



ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

Concourse Village E, Bronx, NY

JOB NUMBER

200-75030-1

Eurofins Burlington

Job Notes

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Authorization



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Definitions/Glossary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Concourse Village E, Bronx, NY

Report Number: 200-75030-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

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

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

RECEIPT

The sample was received on 9/7/2024 9:25 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. No asset information recorded on COC.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANICS (AMBIENT AIR)

Sample RX-23 (200-75030-1) was analyzed for Volatile Organics (Ambient Air) in accordance with EPA Method TO15. The samples were analyzed on 09/10/2024.

Carbon disulfide was detected in method blank MB 200-208427/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Client Sample ID: RX-23

Lab Sample ID: 200-75030-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	3.3		2.5	0.54	ug/m3	1		TO-15	Total/NA
1,2-Dichlorotetrafluoroethane	1.3	J	1.4	0.34	ug/m3	1		TO-15	Total/NA
n-Butane	2.5		1.2	0.48	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	6.5		1.1	0.28	ug/m3	1		TO-15	Total/NA
Acetone	24		12	3.8	ug/m3	1		TO-15	Total/NA
Carbon disulfide	8.0	B	1.6	0.40	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	7.7	J	15	3.6	ug/m3	1		TO-15	Total/NA
n-Hexane	0.98	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	3.5		1.5	1.4	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.12	J	0.20	0.083	ug/m3	1		TO-15	Total/NA
Chloroform	3.4		0.98	0.20	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.21	J	0.69	0.20	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	9.9		0.93	0.18	ug/m3	1		TO-15	Total/NA
Benzene	1.7		0.64	0.14	ug/m3	1		TO-15	Total/NA
n-Heptane	2.0		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.54		0.20	0.13	ug/m3	1		TO-15	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.2		2.0	0.53	ug/m3	1		TO-15	Total/NA
Toluene	9.0		0.75	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	3.1		1.4	0.14	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.67	J	2.0	0.61	ug/m3	1		TO-15	Total/NA
Ethylbenzene	3.2		0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	11		2.2	0.41	ug/m3	1		TO-15	Total/NA
o-Xylene	3.2		0.87	0.27	ug/m3	1		TO-15	Total/NA
Styrene	0.56	J	0.85	0.25	ug/m3	1		TO-15	Total/NA
Cumene	0.38	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.82	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.98		0.98	0.24	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.62	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.4		0.98	0.39	ug/m3	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.66		0.50	0.11	ppb v/v	1		TO-15	Total/NA
1,2-Dichlorotetrafluoroethane	0.19	J	0.20	0.048	ppb v/v	1		TO-15	Total/NA
n-Butane	1.1		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	1.2		0.20	0.050	ppb v/v	1		TO-15	Total/NA
Acetone	10		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	2.6	B	0.50	0.13	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	2.5	J	5.0	1.2	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.28	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	1.2		0.50	0.49	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.029	J	0.050	0.021	ppb v/v	1		TO-15	Total/NA
Chloroform	0.70		0.20	0.041	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.060	J	0.20	0.058	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	2.1		0.20	0.038	ppb v/v	1		TO-15	Total/NA
Benzene	0.53		0.20	0.044	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.50		0.20	0.055	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.10		0.037	0.025	ppb v/v	1		TO-15	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.54		0.50	0.13	ppb v/v	1		TO-15	Total/NA
Toluene	2.4		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.46		0.20	0.021	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Client Sample ID: RX-23 (Continued)

Lab Sample ID: 200-75030-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Butyl Ketone (2-Hexanone)	0.16	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.74		0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	2.6		0.50	0.095	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.73		0.20	0.063	ppb v/v	1		TO-15	Total/NA
Styrene	0.13	J	0.20	0.059	ppb v/v	1		TO-15	Total/NA
Cumene	0.076	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.17	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.20		0.20	0.049	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.13	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.48		0.20	0.080	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Burlington

Client Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Client Sample ID: RX-23

Lab Sample ID: 200-75030-1

Date Collected: 09/06/24 11:40

Matrix: Air

Date Received: 09/07/24 09:25

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	3.3		2.5	0.54	ug/m3			09/10/24 05:16	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			09/10/24 05:16	1
1,2-Dichlorotetrafluoroethane	1.3	J	1.4	0.34	ug/m3			09/10/24 05:16	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			09/10/24 05:16	1
n-Butane	2.5		1.2	0.48	ug/m3			09/10/24 05:16	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/10/24 05:16	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/10/24 05:16	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/10/24 05:16	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/10/24 05:16	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/10/24 05:16	1
Trichlorofluoromethane	6.5		1.1	0.28	ug/m3			09/10/24 05:16	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			09/10/24 05:16	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/10/24 05:16	1
Acetone	24		12	3.8	ug/m3			09/10/24 05:16	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/10/24 05:16	1
Carbon disulfide	8.0	B	1.6	0.40	ug/m3			09/10/24 05:16	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/10/24 05:16	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			09/10/24 05:16	1
tert-Butyl alcohol	7.7	J	15	3.6	ug/m3			09/10/24 05:16	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/10/24 05:16	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/10/24 05:16	1
n-Hexane	0.98	J	1.8	0.39	ug/m3			09/10/24 05:16	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/10/24 05:16	1
Methyl Ethyl Ketone (2-Butanone)	3.5		1.5	1.4	ug/m3			09/10/24 05:16	1
cis-1,2-Dichloroethene	0.12	J	0.20	0.083	ug/m3			09/10/24 05:16	1
Chloroform	3.4		0.98	0.20	ug/m3			09/10/24 05:16	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/10/24 05:16	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/10/24 05:16	1
Cyclohexane	0.21	J	0.69	0.20	ug/m3			09/10/24 05:16	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			09/10/24 05:16	1
2,2,4-Trimethylpentane	9.9		0.93	0.18	ug/m3			09/10/24 05:16	1
Benzene	1.7		0.64	0.14	ug/m3			09/10/24 05:16	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/10/24 05:16	1
n-Heptane	2.0		0.82	0.23	ug/m3			09/10/24 05:16	1
Trichloroethene	0.54		0.20	0.13	ug/m3			09/10/24 05:16	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			09/10/24 05:16	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/10/24 05:16	1
1,4-Dioxane	18	U	18	0.30	ug/m3			09/10/24 05:16	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/10/24 05:16	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/10/24 05:16	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.2		2.0	0.53	ug/m3			09/10/24 05:16	1
Toluene	9.0		0.75	0.23	ug/m3			09/10/24 05:16	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/10/24 05:16	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/10/24 05:16	1
Tetrachloroethene	3.1		1.4	0.14	ug/m3			09/10/24 05:16	1
Methyl Butyl Ketone (2-Hexanone)	0.67	J	2.0	0.61	ug/m3			09/10/24 05:16	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/10/24 05:16	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/10/24 05:16	1

Eurofins Burlington

Client Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Client Sample ID: RX-23

Lab Sample ID: 200-75030-1

Date Collected: 09/06/24 11:40

Matrix: Air

Date Received: 09/07/24 09:25

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/10/24 05:16	1
Ethylbenzene	3.2		0.87	0.30	ug/m3			09/10/24 05:16	1
m,p-Xylene	11		2.2	0.41	ug/m3			09/10/24 05:16	1
o-Xylene	3.2		0.87	0.27	ug/m3			09/10/24 05:16	1
Styrene	0.56	J	0.85	0.25	ug/m3			09/10/24 05:16	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/10/24 05:16	1
Cumene	0.38	J	0.98	0.20	ug/m3			09/10/24 05:16	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/10/24 05:16	1
n-Propylbenzene	0.82	J	0.98	0.23	ug/m3			09/10/24 05:16	1
4-Ethyltoluene	0.98		0.98	0.24	ug/m3			09/10/24 05:16	1
1,3,5-Trimethylbenzene	0.62	J	0.98	0.23	ug/m3			09/10/24 05:16	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/10/24 05:16	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/10/24 05:16	1
1,2,4-Trimethylbenzene	2.4		0.98	0.39	ug/m3			09/10/24 05:16	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/10/24 05:16	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/10/24 05:16	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/10/24 05:16	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/10/24 05:16	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/10/24 05:16	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/10/24 05:16	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/10/24 05:16	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/10/24 05:16	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/10/24 05:16	1
Naphthalene	2.0	U	2.0	1.6	ug/m3			09/10/24 05:16	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.66		0.50	0.11	ppb v/v			09/10/24 05:16	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			09/10/24 05:16	1
1,2-Dichlorotetrafluoroethane	0.19	J	0.20	0.048	ppb v/v			09/10/24 05:16	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			09/10/24 05:16	1
n-Butane	1.1		0.50	0.20	ppb v/v			09/10/24 05:16	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/10/24 05:16	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/10/24 05:16	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/10/24 05:16	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/10/24 05:16	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/10/24 05:16	1
Trichlorofluoromethane	1.2		0.20	0.050	ppb v/v			09/10/24 05:16	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			09/10/24 05:16	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/10/24 05:16	1
Acetone	10		5.0	1.6	ppb v/v			09/10/24 05:16	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/10/24 05:16	1
Carbon disulfide	2.6	B	0.50	0.13	ppb v/v			09/10/24 05:16	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/10/24 05:16	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			09/10/24 05:16	1
tert-Butyl alcohol	2.5	J	5.0	1.2	ppb v/v			09/10/24 05:16	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/10/24 05:16	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/10/24 05:16	1
n-Hexane	0.28	J	0.50	0.11	ppb v/v			09/10/24 05:16	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/10/24 05:16	1

Eurofins Burlington

Client Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Client Sample ID: RX-23

Lab Sample ID: 200-75030-1

Date Collected: 09/06/24 11:40

Matrix: Air

Date Received: 09/07/24 09:25

Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	1.2		0.50	0.49	ppb v/v			09/10/24 05:16	1
cis-1,2-Dichloroethene	0.029	J	0.050	0.021	ppb v/v			09/10/24 05:16	1
Chloroform	0.70		0.20	0.041	ppb v/v			09/10/24 05:16	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/10/24 05:16	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/10/24 05:16	1
Cyclohexane	0.060	J	0.20	0.058	ppb v/v			09/10/24 05:16	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			09/10/24 05:16	1
2,2,4-Trimethylpentane	2.1		0.20	0.038	ppb v/v			09/10/24 05:16	1
Benzene	0.53		0.20	0.044	ppb v/v			09/10/24 05:16	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/10/24 05:16	1
n-Heptane	0.50		0.20	0.055	ppb v/v			09/10/24 05:16	1
Trichloroethene	0.10		0.037	0.025	ppb v/v			09/10/24 05:16	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			09/10/24 05:16	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/10/24 05:16	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			09/10/24 05:16	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/10/24 05:16	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/10/24 05:16	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.54		0.50	0.13	ppb v/v			09/10/24 05:16	1
Toluene	2.4		0.20	0.062	ppb v/v			09/10/24 05:16	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/10/24 05:16	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/10/24 05:16	1
Tetrachloroethene	0.46		0.20	0.021	ppb v/v			09/10/24 05:16	1
Methyl Butyl Ketone (2-Hexanone)	0.16	J	0.50	0.15	ppb v/v			09/10/24 05:16	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/10/24 05:16	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/10/24 05:16	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/10/24 05:16	1
Ethylbenzene	0.74		0.20	0.069	ppb v/v			09/10/24 05:16	1
m,p-Xylene	2.6		0.50	0.095	ppb v/v			09/10/24 05:16	1
o-Xylene	0.73		0.20	0.063	ppb v/v			09/10/24 05:16	1
Styrene	0.13	J	0.20	0.059	ppb v/v			09/10/24 05:16	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/10/24 05:16	1
Cumene	0.076	J	0.20	0.041	ppb v/v			09/10/24 05:16	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/10/24 05:16	1
n-Propylbenzene	0.17	J	0.20	0.047	ppb v/v			09/10/24 05:16	1
4-Ethyltoluene	0.20		0.20	0.049	ppb v/v			09/10/24 05:16	1
1,3,5-Trimethylbenzene	0.13	J	0.20	0.047	ppb v/v			09/10/24 05:16	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/10/24 05:16	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/10/24 05:16	1
1,2,4-Trimethylbenzene	0.48		0.20	0.080	ppb v/v			09/10/24 05:16	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/10/24 05:16	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/10/24 05:16	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/10/24 05:16	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/10/24 05:16	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/10/24 05:16	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/10/24 05:16	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/10/24 05:16	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/10/24 05:16	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/10/24 05:16	1

Eurofins Burlington

Client Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Client Sample ID: RX-23

Date Collected: 09/06/24 11:40

Date Received: 09/07/24 09:25

Sample Container: Summa Canister 6L

Lab Sample ID: 200-75030-1

Matrix: Air

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.38	U	0.38	0.30	ppb v/v			09/10/24 05:16	1

Default Detection Limits

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	RL	MDL	Units
1,1,1-Trichloroethane	1.1	0.24	ug/m3
1,1,1-Trichloroethane	0.20	0.044	ppb v/v
1,1,2,2-Tetrachloroethane	1.4	0.30	ug/m3
1,1,2,2-Tetrachloroethane	0.20	0.043	ppb v/v
1,1,2-Trichloroethane	1.1	0.40	ug/m3
1,1,2-Trichloroethane	0.20	0.074	ppb v/v
1,1,2-Trichlorotrifluoroethane	1.5	0.41	ug/m3
1,1,2-Trichlorotrifluoroethane	0.20	0.053	ppb v/v
1,1-Dichloroethane	0.81	0.10	ug/m3
1,1-Dichloroethane	0.20	0.025	ppb v/v
1,1-Dichloroethene	0.20	0.10	ug/m3
1,1-Dichloroethene	0.050	0.026	ppb v/v
1,2,4-Trichlorobenzene	3.7	2.4	ug/m3
1,2,4-Trichlorobenzene	0.50	0.33	ppb v/v
1,2,4-Trimethylbenzene	0.98	0.39	ug/m3
1,2,4-Trimethylbenzene	0.20	0.080	ppb v/v
1,2-Dibromoethane	1.5	0.32	ug/m3
1,2-Dibromoethane	0.20	0.042	ppb v/v
1,2-Dichlorobenzene	1.2	0.40	ug/m3
1,2-Dichlorobenzene	0.20	0.066	ppb v/v
1,2-Dichloroethane	0.81	0.38	ug/m3
1,2-Dichloroethane	0.20	0.093	ppb v/v
1,2-Dichloropropane	0.92	0.43	ug/m3
1,2-Dichloropropane	0.20	0.094	ppb v/v
1,2-Dichlorotetrafluoroethane	1.4	0.34	ug/m3
1,2-Dichlorotetrafluoroethane	0.20	0.048	ppb v/v
1,3,5-Trimethylbenzene	0.98	0.23	ug/m3
1,3,5-Trimethylbenzene	0.20	0.047	ppb v/v
1,3-Butadiene	0.44	0.086	ug/m3
1,3-Butadiene	0.20	0.039	ppb v/v
1,3-Dichlorobenzene	1.2	0.44	ug/m3
1,3-Dichlorobenzene	0.20	0.074	ppb v/v
1,4-Dichlorobenzene	1.2	0.54	ug/m3
1,4-Dichlorobenzene	0.20	0.089	ppb v/v
1,4-Dioxane	18	0.30	ug/m3
1,4-Dioxane	5.0	0.082	ppb v/v
2,2,4-Trimethylpentane	0.93	0.18	ug/m3
2,2,4-Trimethylpentane	0.20	0.038	ppb v/v
2-Chlorotoluene	1.0	0.24	ug/m3
2-Chlorotoluene	0.20	0.046	ppb v/v
3-Chloropropene	1.6	0.38	ug/m3
3-Chloropropene	0.50	0.12	ppb v/v
4-Ethyltoluene	0.98	0.24	ug/m3
4-Ethyltoluene	0.20	0.049	ppb v/v
4-Isopropyltoluene	1.1	0.33	ug/m3
4-Isopropyltoluene	0.20	0.061	ppb v/v
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	0.53	ug/m3
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	0.13	ppb v/v
Acetone	12	3.8	ug/m3
Acetone	5.0	1.6	ppb v/v
Benzene	0.64	0.14	ug/m3
Benzene	0.20	0.044	ppb v/v
Benzyl chloride	1.0	0.46	ug/m3

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Default Detection Limits

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	RL	MDL	Units
Benzyl chloride	0.20	0.088	ppb v/v
Bromodichloromethane	1.3	0.34	ug/m3
Bromodichloromethane	0.20	0.050	ppb v/v
Bromoethene(Vinyl Bromide)	0.87	0.22	ug/m3
Bromoethene(Vinyl Bromide)	0.20	0.050	ppb v/v
Bromoform	2.1	1.2	ug/m3
Bromoform	0.20	0.12	ppb v/v
Bromomethane	0.78	0.28	ug/m3
Bromomethane	0.20	0.071	ppb v/v
Carbon disulfide	1.6	0.40	ug/m3
Carbon disulfide	0.50	0.13	ppb v/v
Carbon tetrachloride	0.22	0.14	ug/m3
Carbon tetrachloride	0.035	0.022	ppb v/v
Chlorobenzene	0.92	0.20	ug/m3
Chlorobenzene	0.20	0.044	ppb v/v
Chlorodifluoromethane	1.8	0.42	ug/m3
Chlorodifluoromethane	0.50	0.12	ppb v/v
Chloroethane	1.3	0.47	ug/m3
Chloroethane	0.50	0.18	ppb v/v
Chloroform	0.98	0.20	ug/m3
Chloroform	0.20	0.041	ppb v/v
Chloromethane	1.0	0.31	ug/m3
Chloromethane	0.50	0.15	ppb v/v
cis-1,2-Dichloroethene	0.20	0.083	ug/m3
cis-1,2-Dichloroethene	0.050	0.021	ppb v/v
cis-1,3-Dichloropropene	0.91	0.20	ug/m3
cis-1,3-Dichloropropene	0.20	0.045	ppb v/v
Cumene	0.98	0.20	ug/m3
Cumene	0.20	0.041	ppb v/v
Cyclohexane	0.69	0.20	ug/m3
Cyclohexane	0.20	0.058	ppb v/v
Dibromochloromethane	1.7	0.54	ug/m3
Dibromochloromethane	0.20	0.063	ppb v/v
Dichlorodifluoromethane	2.5	0.54	ug/m3
Dichlorodifluoromethane	0.50	0.11	ppb v/v
Ethylbenzene	0.87	0.30	ug/m3
Ethylbenzene	0.20	0.069	ppb v/v
Hexachlorobutadiene	2.1	1.2	ug/m3
Hexachlorobutadiene	0.20	0.11	ppb v/v
Isopropyl alcohol	12	3.9	ug/m3
Isopropyl alcohol	5.0	1.6	ppb v/v
m,p-Xylene	2.2	0.41	ug/m3
m,p-Xylene	0.50	0.095	ppb v/v
Methyl Butyl Ketone (2-Hexanone)	2.0	0.61	ug/m3
Methyl Butyl Ketone (2-Hexanone)	0.50	0.15	ppb v/v
Methyl Ethyl Ketone (2-Butanone)	1.5	1.4	ug/m3
Methyl Ethyl Ketone (2-Butanone)	0.50	0.49	ppb v/v
Methyl methacrylate	2.0	0.57	ug/m3
Methyl methacrylate	0.50	0.14	ppb v/v
Methyl tert-butyl ether	0.72	0.13	ug/m3
Methyl tert-butyl ether	0.20	0.036	ppb v/v
Methylene Chloride	1.7	0.63	ug/m3
Methylene Chloride	0.50	0.18	ppb v/v

Eurofins Burlington

Default Detection Limits

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	RL	MDL	Units
Naphthalene	2.0	1.6	ug/m3
Naphthalene	0.38	0.30	ppb v/v
n-Butane	1.2	0.48	ug/m3
n-Butane	0.50	0.20	ppb v/v
n-Butylbenzene	1.1	0.60	ug/m3
n-Butylbenzene	0.20	0.11	ppb v/v
n-Heptane	0.82	0.23	ug/m3
n-Heptane	0.20	0.055	ppb v/v
n-Hexane	1.8	0.39	ug/m3
n-Hexane	0.50	0.11	ppb v/v
n-Propylbenzene	0.98	0.23	ug/m3
n-Propylbenzene	0.20	0.047	ppb v/v
o-Xylene	0.87	0.27	ug/m3
o-Xylene	0.20	0.063	ppb v/v
sec-Butylbenzene	1.1	0.25	ug/m3
sec-Butylbenzene	0.20	0.045	ppb v/v
Styrene	0.85	0.25	ug/m3
Styrene	0.20	0.059	ppb v/v
tert-Butyl alcohol	15	3.6	ug/m3
tert-Butyl alcohol	5.0	1.2	ppb v/v
tert-Butylbenzene	1.1	0.26	ug/m3
tert-Butylbenzene	0.20	0.047	ppb v/v
Tetrachloroethene	1.4	0.14	ug/m3
Tetrachloroethene	0.20	0.021	ppb v/v
Tetrahydrofuran	15	3.8	ug/m3
Tetrahydrofuran	5.0	1.3	ppb v/v
Toluene	0.75	0.23	ug/m3
Toluene	0.20	0.062	ppb v/v
trans-1,2-Dichloroethene	0.79	0.091	ug/m3
trans-1,2-Dichloroethene	0.20	0.023	ppb v/v
trans-1,3-Dichloropropene	0.91	0.25	ug/m3
trans-1,3-Dichloropropene	0.20	0.054	ppb v/v
Trichloroethene	0.20	0.13	ug/m3
Trichloroethene	0.037	0.025	ppb v/v
Trichlorofluoromethane	1.1	0.28	ug/m3
Trichlorofluoromethane	0.20	0.050	ppb v/v
Vinyl chloride	0.20	0.054	ug/m3
Vinyl chloride	0.078	0.021	ppb v/v

QC Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-208427/5

Matrix: Air

Analysis Batch: 208427

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	0.54	ug/m3			09/09/24 13:49	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			09/09/24 13:49	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			09/09/24 13:49	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			09/09/24 13:49	1
n-Butane	1.2	U	1.2	0.48	ug/m3			09/09/24 13:49	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			09/09/24 13:49	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			09/09/24 13:49	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			09/09/24 13:49	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			09/09/24 13:49	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			09/09/24 13:49	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			09/09/24 13:49	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			09/09/24 13:49	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			09/09/24 13:49	1
Acetone	12	U	12	3.8	ug/m3			09/09/24 13:49	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			09/09/24 13:49	1
Carbon disulfide	0.403	J	1.6	0.40	ug/m3			09/09/24 13:49	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			09/09/24 13:49	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			09/09/24 13:49	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			09/09/24 13:49	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			09/09/24 13:49	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			09/09/24 13:49	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			09/09/24 13:49	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			09/09/24 13:49	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			09/09/24 13:49	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			09/09/24 13:49	1
Chloroform	0.98	U	0.98	0.20	ug/m3			09/09/24 13:49	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			09/09/24 13:49	1
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			09/09/24 13:49	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			09/09/24 13:49	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			09/09/24 13:49	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			09/09/24 13:49	1
Benzene	0.64	U	0.64	0.14	ug/m3			09/09/24 13:49	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			09/09/24 13:49	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			09/09/24 13:49	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			09/09/24 13:49	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			09/09/24 13:49	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			09/09/24 13:49	1
1,4-Dioxane	18	U	18	0.30	ug/m3			09/09/24 13:49	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			09/09/24 13:49	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			09/09/24 13:49	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			09/09/24 13:49	1
Toluene	0.75	U	0.75	0.23	ug/m3			09/09/24 13:49	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			09/09/24 13:49	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			09/09/24 13:49	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			09/09/24 13:49	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			09/09/24 13:49	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			09/09/24 13:49	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			09/09/24 13:49	1

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QC Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-208427/5

Matrix: Air

Analysis Batch: 208427

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			09/09/24 13:49	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			09/09/24 13:49	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			09/09/24 13:49	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			09/09/24 13:49	1
Styrene	0.85	U	0.85	0.25	ug/m3			09/09/24 13:49	1
Bromoform	2.1	U	2.1	1.2	ug/m3			09/09/24 13:49	1
Cumene	0.98	U	0.98	0.20	ug/m3			09/09/24 13:49	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			09/09/24 13:49	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			09/09/24 13:49	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			09/09/24 13:49	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			09/09/24 13:49	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			09/09/24 13:49	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			09/09/24 13:49	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			09/09/24 13:49	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			09/09/24 13:49	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			09/09/24 13:49	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			09/09/24 13:49	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			09/09/24 13:49	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			09/09/24 13:49	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			09/09/24 13:49	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			09/09/24 13:49	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			09/09/24 13:49	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			09/09/24 13:49	1
Naphthalene	2.0	U	2.0	1.6	ug/m3			09/09/24 13:49	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			09/09/24 13:49	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			09/09/24 13:49	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			09/09/24 13:49	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			09/09/24 13:49	1
n-Butane	0.50	U	0.50	0.20	ppb v/v			09/09/24 13:49	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			09/09/24 13:49	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			09/09/24 13:49	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			09/09/24 13:49	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			09/09/24 13:49	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			09/09/24 13:49	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			09/09/24 13:49	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			09/09/24 13:49	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			09/09/24 13:49	1
Acetone	5.0	U	5.0	1.6	ppb v/v			09/09/24 13:49	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			09/09/24 13:49	1
Carbon disulfide	0.129	J	0.50	0.13	ppb v/v			09/09/24 13:49	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			09/09/24 13:49	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			09/09/24 13:49	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			09/09/24 13:49	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			09/09/24 13:49	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			09/09/24 13:49	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			09/09/24 13:49	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			09/09/24 13:49	1

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QC Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-208427/5

Matrix: Air

Analysis Batch: 208427

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			09/09/24 13:49	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			09/09/24 13:49	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			09/09/24 13:49	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			09/09/24 13:49	1
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			09/09/24 13:49	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			09/09/24 13:49	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			09/09/24 13:49	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			09/09/24 13:49	1
Benzene	0.20	U	0.20	0.044	ppb v/v			09/09/24 13:49	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			09/09/24 13:49	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			09/09/24 13:49	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			09/09/24 13:49	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			09/09/24 13:49	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			09/09/24 13:49	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			09/09/24 13:49	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			09/09/24 13:49	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			09/09/24 13:49	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			09/09/24 13:49	1
Toluene	0.20	U	0.20	0.062	ppb v/v			09/09/24 13:49	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			09/09/24 13:49	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			09/09/24 13:49	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			09/09/24 13:49	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			09/09/24 13:49	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			09/09/24 13:49	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			09/09/24 13:49	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			09/09/24 13:49	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			09/09/24 13:49	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			09/09/24 13:49	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			09/09/24 13:49	1
Styrene	0.20	U	0.20	0.059	ppb v/v			09/09/24 13:49	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			09/09/24 13:49	1
Cumene	0.20	U	0.20	0.041	ppb v/v			09/09/24 13:49	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			09/09/24 13:49	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			09/09/24 13:49	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			09/09/24 13:49	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			09/09/24 13:49	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			09/09/24 13:49	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			09/09/24 13:49	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			09/09/24 13:49	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			09/09/24 13:49	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			09/09/24 13:49	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			09/09/24 13:49	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			09/09/24 13:49	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			09/09/24 13:49	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			09/09/24 13:49	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			09/09/24 13:49	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			09/09/24 13:49	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			09/09/24 13:49	1

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QC Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-208427/5

Matrix: Air

Analysis Batch: 208427

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.38	U	0.38	0.30	ppb v/v			09/09/24 13:49	1

Lab Sample ID: LCS 200-208427/3

Matrix: Air

Analysis Batch: 208427

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	49.4	49.3		ug/m3		100	61 - 142
Chlorodifluoromethane	35.4	40.6		ug/m3		115	60 - 147
1,2-Dichlorotetrafluoroethane	69.9	68.5		ug/m3		98	71 - 141
Chloromethane	20.6	24.0		ug/m3		116	56 - 141
n-Butane	23.8	27.3		ug/m3		115	53 - 151
Vinyl chloride	25.6	26.4		ug/m3		103	61 - 135
1,3-Butadiene	22.1	22.5		ug/m3		102	58 - 139
Bromomethane	38.8	36.5		ug/m3		94	72 - 124
Chloroethane	26.4	30.3		ug/m3		115	68 - 130
Bromoethene(Vinyl Bromide)	43.7	41.1		ug/m3		94	75 - 125
Trichlorofluoromethane	56.2	54.2		ug/m3		96	70 - 129
1,1,2-Trichlorotrifluoroethane	76.6	71.8		ug/m3		94	70 - 121
1,1-Dichloroethene	39.6	35.2		ug/m3		89	68 - 120
Acetone	23.7	25.7		ug/m3		108	54 - 154
Isopropyl alcohol	24.6	30.6		ug/m3		124	53 - 142
Carbon disulfide	31.1	29.6		ug/m3		95	71 - 138
3-Chloropropene	31.3	33.3		ug/m3		106	50 - 150
Methylene Chloride	34.7	35.5		ug/m3		102	59 - 137
tert-Butyl alcohol	30.3	31.4		ug/m3		103	66 - 132
Methyl tert-butyl ether	36.0	35.7		ug/m3		99	70 - 127
trans-1,2-Dichloroethene	39.6	37.5		ug/m3		95	69 - 137
n-Hexane	35.2	35.7		ug/m3		101	63 - 138
1,1-Dichloroethane	40.5	38.0		ug/m3		94	66 - 130
Methyl Ethyl Ketone (2-Butanone)	29.5	28.4		ug/m3		96	72 - 124
cis-1,2-Dichloroethene	39.6	35.9		ug/m3		91	72 - 121
Chloroform	48.8	46.4		ug/m3		95	73 - 124
Tetrahydrofuran	29.5	30.1		ug/m3		102	60 - 149
1,1,1-Trichloroethane	54.6	50.6		ug/m3		93	72 - 127
Cyclohexane	34.4	33.1		ug/m3		96	76 - 124
Carbon tetrachloride	62.9	56.7		ug/m3		90	71 - 133
2,2,4-Trimethylpentane	46.7	46.3		ug/m3		99	68 - 131
Benzene	31.9	29.8		ug/m3		93	73 - 119
1,2-Dichloroethane	40.5	38.7		ug/m3		96	68 - 135
n-Heptane	41.0	42.2		ug/m3		103	60 - 142
Trichloroethene	53.7	47.5		ug/m3		88	73 - 122
Methyl methacrylate	40.9	40.0		ug/m3		98	73 - 129
1,2-Dichloropropane	46.2	44.1		ug/m3		96	69 - 128
1,4-Dioxane	36.0	30.8		ug/m3		85	66 - 129
Bromodichloromethane	67.0	63.9		ug/m3		95	75 - 127
cis-1,3-Dichloropropene	45.4	45.3		ug/m3		100	74 - 125

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QC Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-208427/3

Matrix: Air

Analysis Batch: 208427

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	39.6		ug/m3		97	58 - 144
Toluene	37.7	35.4		ug/m3		94	75 - 122
trans-1,3-Dichloropropene	45.4	45.7		ug/m3		101	74 - 128
1,1,2-Trichloroethane	54.6	50.8		ug/m3		93	75 - 126
Tetrachloroethene	67.8	57.4		ug/m3		85	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.0	39.2		ug/m3		96	57 - 143
Dibromochloromethane	85.2	80.3		ug/m3		94	73 - 125
1,2-Dibromoethane	76.8	72.4		ug/m3		94	78 - 122
Chlorobenzene	46.0	42.3		ug/m3		92	76 - 119
Ethylbenzene	43.4	41.4		ug/m3		95	74 - 122
m,p-Xylene	86.8	83.4		ug/m3		96	76 - 121
o-Xylene	43.4	41.6		ug/m3		96	73 - 123
Styrene	42.6	42.2		ug/m3		99	74 - 125
Bromoform	103	102		ug/m3		99	53 - 149
Cumene	49.1	47.4		ug/m3		96	73 - 123
1,1,2,2-Tetrachloroethane	68.6	64.9		ug/m3		95	74 - 126
n-Propylbenzene	49.1	47.7		ug/m3		97	73 - 127
4-Ethyltoluene	49.2	47.7		ug/m3		97	75 - 129
1,3,5-Trimethylbenzene	49.2	47.1		ug/m3		96	72 - 126
2-Chlorotoluene	51.8	49.4		ug/m3		95	74 - 126
tert-Butylbenzene	54.9	52.4		ug/m3		96	71 - 125
1,2,4-Trimethylbenzene	49.2	47.6		ug/m3		97	71 - 129
sec-Butylbenzene	54.9	52.9		ug/m3		96	70 - 128
4-Isopropyltoluene	54.9	53.8		ug/m3		98	68 - 130
1,3-Dichlorobenzene	60.1	58.5		ug/m3		97	69 - 131
1,4-Dichlorobenzene	60.1	59.7		ug/m3		99	67 - 132
Benzyl chloride	51.8	56.2		ug/m3		109	60 - 136
n-Butylbenzene	54.9	56.2		ug/m3		102	65 - 137
1,2-Dichlorobenzene	60.1	58.3		ug/m3		97	68 - 129
1,2,4-Trichlorobenzene	74.2	82.8		ug/m3		112	50 - 150
Hexachlorobutadiene	107	107		ug/m3		101	58 - 130
Naphthalene	52.4	66.5		ug/m3		127	50 - 150
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	9.96		ppb v/v		100	61 - 142
Chlorodifluoromethane	10	11.5		ppb v/v		115	60 - 147
1,2-Dichlorotetrafluoroethane	10	9.80		ppb v/v		98	71 - 141
Chloromethane	10	11.6		ppb v/v		116	56 - 141
n-Butane	10	11.5		ppb v/v		115	53 - 151
Vinyl chloride	10	10.3		ppb v/v		103	61 - 135
1,3-Butadiene	10	10.2		ppb v/v		102	58 - 139
Bromomethane	10	9.40		ppb v/v		94	72 - 124
Chloroethane	10	11.5		ppb v/v		115	68 - 130
Bromoethene(Vinyl Bromide)	10	9.40		ppb v/v		94	75 - 125
Trichlorofluoromethane	10	9.64		ppb v/v		96	70 - 129
1,1,2-Trichlorotrifluoroethane	10	9.37		ppb v/v		94	70 - 121
1,1-Dichloroethene	10	8.87		ppb v/v		89	68 - 120

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QC Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-208427/3

Matrix: Air

Analysis Batch: 208427

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	10	10.8		ppb v/v		108	54 - 154
Isopropyl alcohol	10	12.4		ppb v/v		124	53 - 142
Carbon disulfide	10	9.52		ppb v/v		95	71 - 138
3-Chloropropene	10	10.6		ppb v/v		106	50 - 150
Methylene Chloride	10	10.2		ppb v/v		102	59 - 137
tert-Butyl alcohol	10	10.3		ppb v/v		103	66 - 132
Methyl tert-butyl ether	10	9.89		ppb v/v		99	70 - 127
trans-1,2-Dichloroethene	10	9.47		ppb v/v		95	69 - 137
n-Hexane	10	10.1		ppb v/v		101	63 - 138
1,1-Dichloroethane	10	9.39		ppb v/v		94	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	9.62		ppb v/v		96	72 - 124
cis-1,2-Dichloroethene	10	9.07		ppb v/v		91	72 - 121
Chloroform	10	9.51		ppb v/v		95	73 - 124
Tetrahydrofuran	10	10.2		ppb v/v		102	60 - 149
1,1,1-Trichloroethane	10	9.27		ppb v/v		93	72 - 127
Cyclohexane	10	9.61		ppb v/v		96	76 - 124
Carbon tetrachloride	10	9.02		ppb v/v		90	71 - 133
2,2,4-Trimethylpentane	10	9.92		ppb v/v		99	68 - 131
Benzene	10	9.32		ppb v/v		93	73 - 119
1,2-Dichloroethane	10	9.55		ppb v/v		96	68 - 135
n-Heptane	10	10.3		ppb v/v		103	60 - 142
Trichloroethene	10	8.83		ppb v/v		88	73 - 122
Methyl methacrylate	10	9.76		ppb v/v		98	73 - 129
1,2-Dichloropropane	10	9.55		ppb v/v		96	69 - 128
1,4-Dioxane	10	8.54		ppb v/v		85	66 - 129
Bromodichloromethane	10	9.54		ppb v/v		95	75 - 127
cis-1,3-Dichloropropene	10	9.98		ppb v/v		100	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	9.67		ppb v/v		97	58 - 144
Toluene	10	9.38		ppb v/v		94	75 - 122
trans-1,3-Dichloropropene	10	10.1		ppb v/v		101	74 - 128
1,1,2-Trichloroethane	10	9.31		ppb v/v		93	75 - 126
Tetrachloroethene	10	8.47		ppb v/v		85	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	9.56		ppb v/v		96	57 - 143
Dibromochloromethane	10	9.43		ppb v/v		94	73 - 125
1,2-Dibromoethane	10	9.42		ppb v/v		94	78 - 122
Chlorobenzene	10	9.20		ppb v/v		92	76 - 119
Ethylbenzene	10	9.52		ppb v/v		95	74 - 122
m,p-Xylene	20	19.2		ppb v/v		96	76 - 121
o-Xylene	10	9.58		ppb v/v		96	73 - 123
Styrene	10	9.91		ppb v/v		99	74 - 125
Bromoform	10	9.86		ppb v/v		99	53 - 149
Cumene	10	9.65		ppb v/v		96	73 - 123
1,1,2,2-Tetrachloroethane	10	9.46		ppb v/v		95	74 - 126
n-Propylbenzene	10	9.70		ppb v/v		97	73 - 127
4-Ethyltoluene	10	9.70		ppb v/v		97	75 - 129
1,3,5-Trimethylbenzene	10	9.57		ppb v/v		96	72 - 126

Eurofins Burlington

QC Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-208427/3

Matrix: Air

Analysis Batch: 208427

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorotoluene	10	9.54		ppb v/v		95	74 - 126
tert-Butylbenzene	10	9.55		ppb v/v		96	71 - 125
1,2,4-Trimethylbenzene	10	9.68		ppb v/v		97	71 - 129
sec-Butylbenzene	10	9.64		ppb v/v		96	70 - 128
4-Isopropyltoluene	10	9.79		ppb v/v		98	68 - 130
1,3-Dichlorobenzene	10	9.73		ppb v/v		97	69 - 131
1,4-Dichlorobenzene	10	9.92		ppb v/v		99	67 - 132
Benzyl chloride	10	10.9		ppb v/v		109	60 - 136
n-Butylbenzene	10	10.2		ppb v/v		102	65 - 137
1,2-Dichlorobenzene	10	9.70		ppb v/v		97	68 - 129
1,2,4-Trichlorobenzene	10	11.2		ppb v/v		112	50 - 150
Hexachlorobutadiene	10	10.1		ppb v/v		101	58 - 130
Naphthalene	10	12.7		ppb v/v		127	50 - 150

QC Association Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Air - GC/MS VOA

Analysis Batch: 208427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-75030-1	RX-23	Total/NA	Air	TO-15	
MB 200-208427/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-208427/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Client Sample ID: RX-23
Date Collected: 09/06/24 11:40
Date Received: 09/07/24 09:25

Lab Sample ID: 200-75030-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	208427	A1B	EET BUR	09/10/24 05:16

Laboratory References:
EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Laboratory: Eurofins Burlington

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	03-31-25
The following analytes are included in this report, but the laboratory is not certified by New York NELAP 10391. This list may include analytes for which the agency does not offer certification:			
Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	4-Ethyltoluene
TO-15		Air	4-Isopropyltoluene
TO-15		Air	Chlorodifluoromethane
TO-15		Air	Methyl Butyl Ketone (2-Hexanone)
TO-15		Air	n-Butane
TO-15		Air	n-Butylbenzene
TO-15		Air	n-Propylbenzene
TO-15		Air	sec-Butylbenzene
TO-15		Air	tert-Butylbenzene
TO-15		Air	Tetrahydrofuran

Method Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Concourse Village E, Bronx, NY

Job ID: 200-75030-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-75030-1	RX-23	Air	09/06/24 11:40	09/07/24 09:25	Air Canister (6-Liter) #6310

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1
SDG No.: _____
Instrument ID: CHX.i Analysis Batch Number: 207672
Lab Sample ID: IC 200-207672/4 Client Sample ID: _____
Date Analyzed: 08/16/24 17:42 Lab File ID: 61667-04.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	11.00	Baseline	BKZ7	08/17/24 08:17

Lab Sample ID: IC 200-207672/5 Client Sample ID: _____
Date Analyzed: 08/16/24 18:38 Lab File ID: 61667-05.D GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Decane	21.70	Baseline	BKZ7	08/17/24 08:29

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Instrument ID: CHX.i

Analysis Batch Number: 208427

Lab Sample ID: MB 200-208427/5

Client Sample ID:

Date Analyzed: 09/09/24 13:49

Lab File ID: 61959-05.D

GC Column: RTX-624

ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,4-Trimethylbenzene		Assign Peak	F7XK	09/10/24 11:32
Benzyl chloride		Invalid Compound ID	F7XK	09/10/24 11:32
Naphthalene		Invalid Compound ID	F7XK	09/10/24 11:32

Lab Sample ID: 200-75030-1

Client Sample ID: RX-23

Date Analyzed: 09/10/24 05:16

Lab File ID: 61959-21.D

GC Column: RTX-624

ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichlorotrifluoroethane	7.87	Assign Peak	F7XK	09/10/24 17:08
1,1,2,2-Tetrachloroethane		Invalid Compound ID	F7XK	09/10/24 17:12
1,1,2-Trichloroethane		Invalid Compound ID	F7XK	09/10/24 17:11
1,2-Dichloroethane		Invalid Compound ID	F7XK	09/10/24 17:10
1,3-Butadiene		Invalid Compound ID	F7XK	09/10/24 17:08
2-Chlorotoluene		Invalid Compound ID	F7XK	09/10/24 17:12
3-Chloropropene		Invalid Compound ID	F7XK	09/10/24 17:09
Benzyl chloride		Invalid Compound ID	F7XK	09/10/24 17:13
Methyl methacrylate		Invalid Compound ID	F7XK	09/10/24 17:10
Tetrahydrofuran	11.49	Assign Peak	F7XK	09/10/24 17:09
Cyclohexane	12.00	Assign Peak	F7XK	09/10/24 17:10
Styrene	19.98	Assign Peak	F7XK	09/10/24 17:12

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL1w_00271	10/23/24	07/24/24	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00237	155 mL	1,1,1-Trichloroethane	0.20044 ppb v/v
							1,1,2,2-Tetrachloroethane	0.20044 ppb v/v
							1,1,2-Trichloroethane	0.20044 ppb v/v
							1,1,2-Trichlorotrifluoroethane	0.20044 ppb v/v
							1,1-Dichloroethane	0.20044 ppb v/v
							1,1-Dichloroethene	0.20044 ppb v/v
							1,2,3-Trichlorobenzene	0.233512 ppb v/v
							1,2,3-Trichloropropane	0.20044 ppb v/v
							1,2,4-Trichlorobenzene	0.235116 ppb v/v
							1,2,4-Trimethylbenzene	0.20044 ppb v/v
							1,2-Dibromoethane	0.20044 ppb v/v
							1,2-Dichlorobenzene	0.20044 ppb v/v
							1,2-Dichloroethane	0.20044 ppb v/v
							1,2-Dichloropropane	0.20044 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.20044 ppb v/v
							1,3,5-Trimethylbenzene	0.20044 ppb v/v
							1,3-Butadiene	0.20044 ppb v/v
							1,3-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dioxane	0.20044 ppb v/v
							2,2,4-Trimethylpentane	0.20044 ppb v/v
							2-Chlorotoluene	0.20044 ppb v/v
							2-Methylbutane	0.20044 ppb v/v
							3-Chloropropene	0.20044 ppb v/v
							4-Ethyltoluene	0.20044 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Isopropyltoluene	0.20044 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.20044 ppb v/v
							Acetone	0.20044 ppb v/v
							Acetonitrile	0.20044 ppb v/v
							Acrolein	0.234715 ppb v/v
							Acrylonitrile	0.20044 ppb v/v
							Alpha Methyl Styrene	0.20044 ppb v/v
							Benzene	0.20044 ppb v/v
							Benzyl chloride	0.20044 ppb v/v
							Bromodichloromethane	0.20044 ppb v/v
							Bromoethene (Vinyl Bromide)	0.20044 ppb v/v
							Bromoform	0.20044 ppb v/v
							Bromomethane	0.20044 ppb v/v
							Carbon disulfide	0.20044 ppb v/v
							Carbon tetrachloride	0.20044 ppb v/v
							Chlorobenzene	0.20044 ppb v/v
							Chlorodifluoromethane	0.20044 ppb v/v
							Chloroethane	0.20044 ppb v/v
							Chloroform	0.20044 ppb v/v
							Chloromethane	0.20044 ppb v/v
							cis-1,2-Dichloroethene	0.20044 ppb v/v
							cis-1,3-Dichloropropene	0.20044 ppb v/v
							Cumene	0.20044 ppb v/v
							Cyclohexane	0.20044 ppb v/v
							Dibromochloromethane	0.20044 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromomethane	0.20044 ppb v/v
							Dichlorodifluoromethane	0.20044 ppb v/v
							Dodecane	0.20044 ppb v/v
							Ethyl acetate	0.20044 ppb v/v
							Ethyl ether	0.20044 ppb v/v
							Ethylbenzene	0.20044 ppb v/v
							Hexachlorobutadiene	0.225294 ppb v/v
							Isopropyl alcohol	0.23231 ppb v/v
							m,p-Xylene	0.400879 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.20044 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	0.20044 ppb v/v
							Methyl methacrylate	0.20044 ppb v/v
							Methyl tert-butyl ether	0.20044 ppb v/v
							Methylene Chloride	0.20044 ppb v/v
							n-Butane	0.20044 ppb v/v
							n-Butanol	0.20044 ppb v/v
							n-Butylbenzene	0.20044 ppb v/v
							n-Decane	0.20044 ppb v/v
							n-Heptane	0.20044 ppb v/v
							n-Hexane	0.20044 ppb v/v
							n-Nonane	0.20044 ppb v/v
							n-Octane	0.20044 ppb v/v
							n-Propylbenzene	0.20044 ppb v/v
							Naphthalene	0.238323 ppb v/v
							o-Xylene	0.20044 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentane	0.20044 ppb v/v
							Propene	0.20044 ppb v/v
							sec-Butylbenzene	0.20044 ppb v/v
							Styrene	0.20044 ppb v/v
							tert-Butyl alcohol	0.20044 ppb v/v
							tert-Butylbenzene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Tetrahydrofuran	0.20044 ppb v/v
							Toluene	0.20044 ppb v/v
							trans-1,2-Dichloroethene	0.20044 ppb v/v
							trans-1,3-Dichloropropene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Trichlorofluoromethane	0.20044 ppb v/v
							Undecane	0.20044 ppb v/v
							Vinyl acetate	0.228301 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
							Ethanol	0.400944 ppb v/v
.ATTO15CAL6w_00237	10/23/24	07/24/24	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00186	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1,2-Trichlorotrifluoroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	23.2955 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	23.4554 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	23.4155 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene (Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Hexachlorobutadiene	22.4756 ppb v/v
							Isopropyl alcohol	23.1755 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	23.7754 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	22.7756 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00173	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00186	10/23/24	07/23/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene (Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
...ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		Vinyl chloride	200 ppb v/v
							1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene (Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
..ATTO15EthCALw_00173	10/23/24	07/23/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
...1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL2w_00351	10/23/24	07/24/24	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00237	387 mL	1,1,1-Trichloroethane	0.500453 ppb v/v
							1,1,2,2-Tetrachloroethane	0.500453 ppb v/v
							1,1,2-Trichloroethane	0.500453 ppb v/v
							1,1,2-Trichlorotrifluoroethane	0.500453 ppb v/v
							1,1-Dichloroethane	0.500453 ppb v/v
							1,1-Dichloroethene	0.500453 ppb v/v
							1,2,3-Trichlorobenzene	0.583027 ppb v/v
							1,2,3-Trichloropropane	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.587031 ppb v/v
							1,2,4-Trimethylbenzene	0.500453 ppb v/v
							1,2-Dibromoethane	0.500453 ppb v/v
							1,2-Dichlorobenzene	0.500453 ppb v/v
							1,2-Dichloroethane	0.500453 ppb v/v
							1,2-Dichloropropane	0.500453 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.500453 ppb v/v
							1,3,5-Trimethylbenzene	0.500453 ppb v/v
							1,3-Butadiene	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dioxane	0.500453 ppb v/v
							2,2,4-Trimethylpentane	0.500453 ppb v/v
							2-Chlorotoluene	0.500453 ppb v/v
							2-Methylbutane	0.500453 ppb v/v
							3-Chloropropene	0.500453 ppb v/v
							4-Ethyltoluene	0.500453 ppb v/v
							4-Isopropyltoluene	0.500453 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.500453 ppb v/v
							Acetone	0.500453 ppb v/v
							Acetonitrile	0.500453 ppb v/v
							Acrolein	0.58603 ppb v/v
							Acrylonitrile	0.500453 ppb v/v
							Alpha Methyl Styrene	0.500453 ppb v/v
							Benzene	0.500453 ppb v/v
							Benzyl chloride	0.500453 ppb v/v
							Bromodichloromethane	0.500453 ppb v/v
							Bromoethene(Vinyl Bromide)	0.500453 ppb v/v
							Bromoform	0.500453 ppb v/v
							Bromomethane	0.500453 ppb v/v
							Carbon disulfide	0.500453 ppb v/v
							Carbon tetrachloride	0.500453 ppb v/v
							Chlorobenzene	0.500453 ppb v/v
							Chlorodifluoromethane	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	0.500453 ppb v/v
							Chloroform	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v
							cis-1,2-Dichloroethene	0.500453 ppb v/v
							cis-1,3-Dichloropropene	0.500453 ppb v/v
							Cumene	0.500453 ppb v/v
							Cyclohexane	0.500453 ppb v/v
							Dibromochloromethane	0.500453 ppb v/v
							Dibromomethane	0.500453 ppb v/v
							Dichlorodifluoromethane	0.500453 ppb v/v
							Dodecane	0.500453 ppb v/v
							Ethyl acetate	0.500453 ppb v/v
							Ethyl ether	0.500453 ppb v/v
							Ethylbenzene	0.500453 ppb v/v
							Hexachlorobutadiene	0.562509 ppb v/v
							Isopropyl alcohol	0.580025 ppb v/v
							m,p-Xylene	1.00091 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	0.500453 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	0.500453 ppb v/v
							Methyl methacrylate	0.500453 ppb v/v
							Methyl tert-butyl ether	0.500453 ppb v/v
							Methylene Chloride	0.500453 ppb v/v
							n-Butane	0.500453 ppb v/v
							n-Butanol	0.500453 ppb v/v
							n-Butylbenzene	0.500453 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Decane	0.500453 ppb v/v
							n-Heptane	0.500453 ppb v/v
							n-Hexane	0.500453 ppb v/v
							n-Nonane	0.500453 ppb v/v
							n-Octane	0.500453 ppb v/v
							n-Propylbenzene	0.500453 ppb v/v
							Naphthalene	0.595038 ppb v/v
							o-Xylene	0.500453 ppb v/v
							Pentane	0.500453 ppb v/v
							Propene	0.500453 ppb v/v
							sec-Butylbenzene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							tert-Butyl alcohol	0.500453 ppb v/v
							tert-Butylbenzene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Tetrahydrofuran	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,2-Dichloroethene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Undecane	0.500453 ppb v/v
							Vinyl acetate	0.570015 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
							Ethanol	5.01064 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					ATTO15EthCALw_00173	124 mL	Ethanol	5.01064 ppb v/v
.ATTO15CAL6w_00237	10/23/24	07/24/24	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00186	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1,2-Trichlorotrifluoroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	23.2955 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	23.4554 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	23.4155 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene (Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Hexachlorobutadiene	22.4756 ppb v/v
							Isopropyl alcohol	23.1755 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	23.7754 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Xylene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	22.7756 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00173	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00186	10/23/24	07/23/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene (Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
...ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene (Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
..ATTO15EthCALw_00173	10/23/24	07/23/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
...1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
.ATTO15EthCALw_00173	10/23/24	07/23/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL3w_00280	10/23/24	07/24/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00186	386 mL	1,1,1-Trichloroethane	4.99256 ppb v/v
							1,1,2,2-Tetrachloroethane	4.99256 ppb v/v
							1,1,2-Trichloroethane	4.99256 ppb v/v
							1,1,2-Trichlorotrifluoroethane	4.99256 ppb v/v
							1,1-Dichloroethane	4.99256 ppb v/v
							1,1-Dichloroethene	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	5.81634 ppb v/v
							1,2,3-Trichloropropane	4.99256 ppb v/v
							1,2,4-Trichlorobenzene	5.85628 ppb v/v
							1,2,4-Trimethylbenzene	4.99256 ppb v/v
							1,2-Dibromoethane	4.99256 ppb v/v
							1,2-Dichlorobenzene	4.99256 ppb v/v
							1,2-Dichloroethane	4.99256 ppb v/v
							1,2-Dichloropropane	4.99256 ppb v/v
							1,2-Dichlorotetrafluoroethane	4.99256 ppb v/v
							1,3,5-Trimethylbenzene	4.99256 ppb v/v
							1,3-Butadiene	4.99256 ppb v/v
							1,3-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dioxane	4.99256 ppb v/v
							2,2,4-Trimethylpentane	4.99256 ppb v/v
							2-Chlorotoluene	4.99256 ppb v/v
							2-Methylbutane	4.99256 ppb v/v
							3-Chloropropene	4.99256 ppb v/v
							4-Ethyltoluene	4.99256 ppb v/v
							4-Isopropyltoluene	4.99256 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	4.99256 ppb v/v
							Acetone	4.99256 ppb v/v
							Acetonitrile	4.99256 ppb v/v
							Acrolein	5.84629 ppb v/v
							Acrylonitrile	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Alpha Methyl Styrene	4.99256 ppb v/v
							Benzene	4.99256 ppb v/v
							Benzyl chloride	4.99256 ppb v/v
							Bromodichloromethane	4.99256 ppb v/v
							Bromoethene (Vinyl Bromide)	4.99256 ppb v/v
							Bromoform	4.99256 ppb v/v
							Bromomethane	4.99256 ppb v/v
							Carbon disulfide	4.99256 ppb v/v
							Carbon tetrachloride	4.99256 ppb v/v
							Chlorobenzene	4.99256 ppb v/v
							Chlorodifluoromethane	4.99256 ppb v/v
							Chloroethane	4.99256 ppb v/v
							Chloroform	4.99256 ppb v/v
							Chloromethane	4.99256 ppb v/v
							cis-1,2-Dichloroethene	4.99256 ppb v/v
							cis-1,3-Dichloropropene	4.99256 ppb v/v
							Cumene	4.99256 ppb v/v
							Cyclohexane	4.99256 ppb v/v
							Dibromochloromethane	4.99256 ppb v/v
							Dibromomethane	4.99256 ppb v/v
							Dichlorodifluoromethane	4.99256 ppb v/v
							Dodecane	4.99256 ppb v/v
							Ethyl acetate	4.99256 ppb v/v
							Ethyl ether	4.99256 ppb v/v
							Ethylbenzene	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	5.61164 ppb v/v
							Isopropyl alcohol	5.78638 ppb v/v
							m,p-Xylene	9.98513 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	4.99256 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	4.99256 ppb v/v
							Methyl methacrylate	4.99256 ppb v/v
							Methyl tert-butyl ether	4.99256 ppb v/v
							Methylene Chloride	4.99256 ppb v/v
							n-Butane	4.99256 ppb v/v
							n-Butanol	4.99256 ppb v/v
							n-Butylbenzene	4.99256 ppb v/v
							n-Decane	4.99256 ppb v/v
							n-Heptane	4.99256 ppb v/v
							n-Hexane	4.99256 ppb v/v
							n-Nonane	4.99256 ppb v/v
							n-Octane	4.99256 ppb v/v
							n-Propylbenzene	4.99256 ppb v/v
							Naphthalene	5.93616 ppb v/v
							o-Xylene	4.99256 ppb v/v
							Pentane	4.99256 ppb v/v
							Propene	4.99256 ppb v/v
							sec-Butylbenzene	4.99256 ppb v/v
							Styrene	4.99256 ppb v/v
							tert-Butyl alcohol	4.99256 ppb v/v
							tert-Butylbenzene	4.99256 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	4.99256 ppb v/v
							Tetrahydrofuran	4.99256 ppb v/v
							Toluene	4.99256 ppb v/v
							trans-1,2-Dichloroethene	4.99256 ppb v/v
							trans-1,3-Dichloropropene	4.99256 ppb v/v
							Trichloroethene	4.99256 ppb v/v
							Trichlorofluoromethane	4.99256 ppb v/v
							Undecane	4.99256 ppb v/v
							Vinyl acetate	5.68653 ppb v/v
							Vinyl chloride	4.99256 ppb v/v
					ATTO15EthCALw_00173	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00186	10/23/24	07/23/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene (Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
Vinyl chloride	200 ppb v/v							
..ATTO15CALs_00050	03/27/25	Linde, Lot CC-524925			(Purchased Reagent)	1,1,1-Trichloroethane	1 ppm v/v	
						1,1,2,2-Tetrachloroethane	1 ppm v/v	
						1,1,2-Trichloroethane	1 ppm v/v	
						1,1,2-Trichlorotrifluoroethane	1 ppm v/v	
						1,1-Dichloroethane	1 ppm v/v	
						1,1-Dichloroethene	1 ppm v/v	
						1,2,3-Trichlorobenzene	1.165 ppm v/v	
						1,2,3-Trichloropropane	1 ppm v/v	
						1,2,4-Trichlorobenzene	1.173 ppm v/v	
						1,2,4-Trimethylbenzene	1 ppm v/v	
						1,2-Dibromoethane	1 ppm v/v	
						1,2-Dichlorobenzene	1 ppm v/v	
						1,2-Dichloroethane	1 ppm v/v	
						1,2-Dichloropropane	1 ppm v/v	
						1,2-Dichlorotetrafluoroethane	1 ppm v/v	
						1,3,5-Trimethylbenzene	1 ppm v/v	
						1,3-Butadiene	1 ppm v/v	
						1,3-Dichlorobenzene	1 ppm v/v	
						1,4-Dichlorobenzene	1 ppm v/v	
						1,4-Dioxane	1 ppm v/v	
						2,2,4-Trimethylpentane	1 ppm v/v	
						2-Chlorotoluene	1 ppm v/v	
						2-Methylbutane	1 ppm v/v	
						3-Chloropropene	1 ppm v/v	
						4-Ethyltoluene	1 ppm v/v	
						4-Isopropyltoluene	1 ppm v/v	
						4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v	

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene (Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
.ATTO15EthCALw_00173	10/23/24	07/23/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL4w_00829	10/23/24	07/24/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00186	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1,2-Trichlorotrifluoroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,3-Trichlorobenzene	11.6477 ppb v/v
							1,2,3-Trichloropropane	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	11.7277 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							2-Methylbutane	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Acetonitrile	9.99806 ppb v/v
							Acrolein	11.7077 ppb v/v
							Acrylonitrile	9.99806 ppb v/v
							Alpha Methyl Styrene	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene (Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chlorodifluoromethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dibromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Dodecane	9.99806 ppb v/v
							Ethyl acetate	9.99806 ppb v/v
							Ethyl ether	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Hexachlorobutadiene	11.2378 ppb v/v
							Isopropyl alcohol	11.5878 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butane	9.99806 ppb v/v
							n-Butanol	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Decane	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Nonane	9.99806 ppb v/v
							n-Octane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	11.8877 ppb v/v
							o-Xylene	9.99806 ppb v/v
							Pentane	9.99806 ppb v/v
							Propene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Undecane	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	11.3878 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00186	10/23/24	07/23/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene (Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
							1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene (Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	1.139 ppm v/v
.ATTO15EthCALw_00173	10/23/24	07/23/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Vinyl chloride	1 ppm v/v
..1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	500 ppb v/v
							Ethanol	1 mL/mL
ATTO15CAL5w_00148	10/23/24	07/24/24	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00186	1160 mL	1,1,1-Trichloroethane	15.0036 ppb v/v
							1,1,2,2-Tetrachloroethane	15.0036 ppb v/v
							1,1,2-Trichloroethane	15.0036 ppb v/v
							1,1,2-Trichlorotrifluoroethane	15.0036 ppb v/v
							1,1-Dichloroethane	15.0036 ppb v/v
							1,1-Dichloroethene	15.0036 ppb v/v
							1,2,3-Trichlorobenzene	17.4791 ppb v/v
							1,2,3-Trichloropropane	15.0036 ppb v/v
							1,2,4-Trichlorobenzene	17.5992 ppb v/v
							1,2,4-Trimethylbenzene	15.0036 ppb v/v
							1,2-Dibromoethane	15.0036 ppb v/v
							1,2-Dichlorobenzene	15.0036 ppb v/v
							1,2-Dichloroethane	15.0036 ppb v/v
							1,2-Dichloropropane	15.0036 ppb v/v
							1,2-Dichlorotetrafluoroethane	15.0036 ppb v/v
							1,3,5-Trimethylbenzene	15.0036 ppb v/v
							1,3-Butadiene	15.0036 ppb v/v
							1,3-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dioxane	15.0036 ppb v/v
							2,2,4-Trimethylpentane	15.0036 ppb v/v
							2-Chlorotoluene	15.0036 ppb v/v
							2-Methylbutane	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Chloropropene	15.0036 ppb v/v
							4-Ethyltoluene	15.0036 ppb v/v
							4-Isopropyltoluene	15.0036 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	15.0036 ppb v/v
							Acetone	15.0036 ppb v/v
							Acetonitrile	15.0036 ppb v/v
							Acrolein	17.5692 ppb v/v
							Acrylonitrile	15.0036 ppb v/v
							Alpha Methyl Styrene	15.0036 ppb v/v
							Benzene	15.0036 ppb v/v
							Benzyl chloride	15.0036 ppb v/v
							Bromodichloromethane	15.0036 ppb v/v
							Bromoethene (Vinyl Bromide)	15.0036 ppb v/v
							Bromoform	15.0036 ppb v/v
							Bromomethane	15.0036 ppb v/v
							Carbon disulfide	15.0036 ppb v/v
							Carbon tetrachloride	15.0036 ppb v/v
							Chlorobenzene	15.0036 ppb v/v
							Chlorodifluoromethane	15.0036 ppb v/v
							Chloroethane	15.0036 ppb v/v
							Chloroform	15.0036 ppb v/v
							Chloromethane	15.0036 ppb v/v
							cis-1,2-Dichloroethene	15.0036 ppb v/v
							cis-1,3-Dichloropropene	15.0036 ppb v/v
							Cumene	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexane	15.0036 ppb v/v
							Dibromochloromethane	15.0036 ppb v/v
							Dibromomethane	15.0036 ppb v/v
							Dichlorodifluoromethane	15.0036 ppb v/v
							Dodecane	15.0036 ppb v/v
							Ethyl acetate	15.0036 ppb v/v
							Ethyl ether	15.0036 ppb v/v
							Ethylbenzene	15.0036 ppb v/v
							Hexachlorobutadiene	16.864 ppb v/v
							Isopropyl alcohol	17.3891 ppb v/v
							m,p-Xylene	30.0071 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	15.0036 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	15.0036 ppb v/v
							Methyl methacrylate	15.0036 ppb v/v
							Methyl tert-butyl ether	15.0036 ppb v/v
							Methylene Chloride	15.0036 ppb v/v
							n-Butane	15.0036 ppb v/v
							n-Butanol	15.0036 ppb v/v
							n-Butylbenzene	15.0036 ppb v/v
							n-Decane	15.0036 ppb v/v
							n-Heptane	15.0036 ppb v/v
							n-Hexane	15.0036 ppb v/v
							n-Nonane	15.0036 ppb v/v
							n-Octane	15.0036 ppb v/v
							n-Propylbenzene	15.0036 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	17.8392 ppb v/v
							o-Xylene	15.0036 ppb v/v
							Pentane	15.0036 ppb v/v
							Propene	15.0036 ppb v/v
							sec-Butylbenzene	15.0036 ppb v/v
							Styrene	15.0036 ppb v/v
							tert-Butyl alcohol	15.0036 ppb v/v
							tert-Butylbenzene	15.0036 ppb v/v
							Tetrachloroethene	15.0036 ppb v/v
							Tetrahydrofuran	15.0036 ppb v/v
							Toluene	15.0036 ppb v/v
							trans-1,2-Dichloroethene	15.0036 ppb v/v
							trans-1,3-Dichloropropene	15.0036 ppb v/v
							Trichloroethene	15.0036 ppb v/v
							Trichlorofluoromethane	15.0036 ppb v/v
							Undecane	15.0036 ppb v/v
							Vinyl acetate	17.0891 ppb v/v
							Vinyl chloride	15.0036 ppb v/v
					ATTO15EthCALw_00173	620 mL	Ethanol	20.0479 ppb v/v
.ATTO15CALSTKi_00186	10/23/24	07/23/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene (Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	03/27/25	Linde, Lot CC-524925			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene (Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00173	10/23/24	07/23/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL6w_00237	10/23/24	07/24/24	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00186	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1,2-Trichlorotrifluoroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	23.2955 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	23.4554 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	23.4155 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene (Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cumene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Hexachlorobutadiene	22.4756 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl alcohol	23.1755 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	19.9961 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butane	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							n-Propylbenzene	19.9961 ppb v/v
							Naphthalene	23.7754 ppb v/v
							o-Xylene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	22.7756 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
					ATTO15EthCALw_00173	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00186	10/23/24	07/23/24	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00050	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	233 ppb v/v
							1,2,3-Trichloropropene	200 ppb v/v
							1,2,4-Trichlorobenzene	234.6 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropene	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetonitrile	200 ppb v/v
							Acrolein	234.2 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene (Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	224.8 ppb v/v
							Isopropyl alcohol	231.8 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	237.8 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Xylene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	227.8 ppb v/v
							Vinyl chloride	200 ppb v/v
..ATTO15CALs_00050	03/27/25		Linde, Lot CC-524925		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1,2-Trichlorotrifluoroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1.165 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1.173 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1.171 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene (Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1.124 ppm v/v
							Isopropyl alcohol	1.159 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1.189 ppm v/v
							o-Xylene	1 ppm v/v
							Pentane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1.139 ppm v/v
							Vinyl chloride	1 ppm v/v
.ATTO15EthCALw_00173	10/23/24	07/23/24	Nitrogen, Lot 12	37.5 ppb	1gEthanol_00005	18.75 uL	Ethanol	500 ppb v/v
..1gEthanol_00005	08/30/25		ChemService, Lot 12173500		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15LCsw_00879	10/10/24	07/23/24	Nitrogen, Lot 13	15.463 L	ATTO15LCsSTKi_00146	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1,2-Trichlorotrifluoroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene (Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chlorodifluoromethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cumene	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	9.99806 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butane	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							o-Xylene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
.ATTO15LCSSTKi_00146	10/18/24	04/22/24	Nitrogen, Lot 12	37.5 L	ATTO15CALs_00049	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1,2-Trichlorotrifluoroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	200 ppb v/v
							Acetone	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene (Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cumene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Butyl Ketone (2-Hexanone)	200 ppb v/v
							Methyl Ethyl Ketone (2-Butanone)	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butane	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							o-Xylene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
trans-1,2-Dichloroethene	200 ppb v/v							
trans-1,3-Dichloropropene	200 ppb v/v							
Trichloroethene	200 ppb v/v							
Trichlorofluoromethane	200 ppb v/v							
Vinyl chloride	200 ppb v/v							
..ATTO15CALs_00049	10/18/24	Linde, Lot CC-237336			(Purchased Reagent)	1,1,1-Trichloroethane	1 ppm v/v	
						1,1,2,2-Tetrachloroethane	1 ppm v/v	
						1,1,2-Trichloroethane	1 ppm v/v	
						1,1,2-Trichlorotrifluoroethane	1 ppm v/v	
						1,1-Dichloroethane	1 ppm v/v	
						1,1-Dichloroethene	1 ppm v/v	
						1,2,4-Trichlorobenzene	1 ppm v/v	
						1,2,4-Trimethylbenzene	1 ppm v/v	
						1,2-Dibromoethane	1 ppm v/v	

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							4-Methyl-2-pentanone (Methyl isobutyl ketone)	1 ppm v/v
							Acetone	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene (Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cumene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Butyl Ketone (2-Hexanone)	1 ppm v/v
							Methyl Ethyl Ketone (2-Butanone)	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butane	1 ppm v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Burlington

Job No.: 200-75030-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butylbenzene	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							o-Xylene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Vinyl chloride	1 ppm v/v
ATTO15XISs_00003							1,2-Dichloroethene, Total	
							1,4-Difluorobenzene	100 ppb v/v
							BFB	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
							Tentatively Identified Compound	
							Total Alkanes	
							Xylenes, Total	

Reagent

1gEthanol_00005



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CERTIFICATE OF ANALYSIS

Ethyl alcohol

CATALOG NUMBER N-11885-1G
LOT NUMBER 12173500
DATE CERTIFIED 08/21/19
EXPIRATION DATE 08/30/25
CAS NUMBER 64-17-5
MOLECULAR FORMULA C₂H₆O
MOLECULAR WEIGHT 46.07
STORAGE Store at room temperature (20 - 25 °C).
HANDLING See Safety Data Sheet
INTENDED USE For laboratory use only.

Analytical Test	Value
% PURITY (GC/TCD)	99.5
% PURITY (GC/FID)	100.0
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
PHYSICAL APPEARANCE	COLORLESS LIQUID
% PURITY	99.8
ISO 17034:2016	CERTIFIED REFERENCE MATERIAL

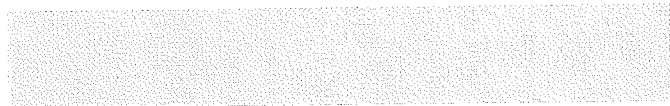
COA Form
Revision 3 (3/2015)

Print Date: 08/19/21

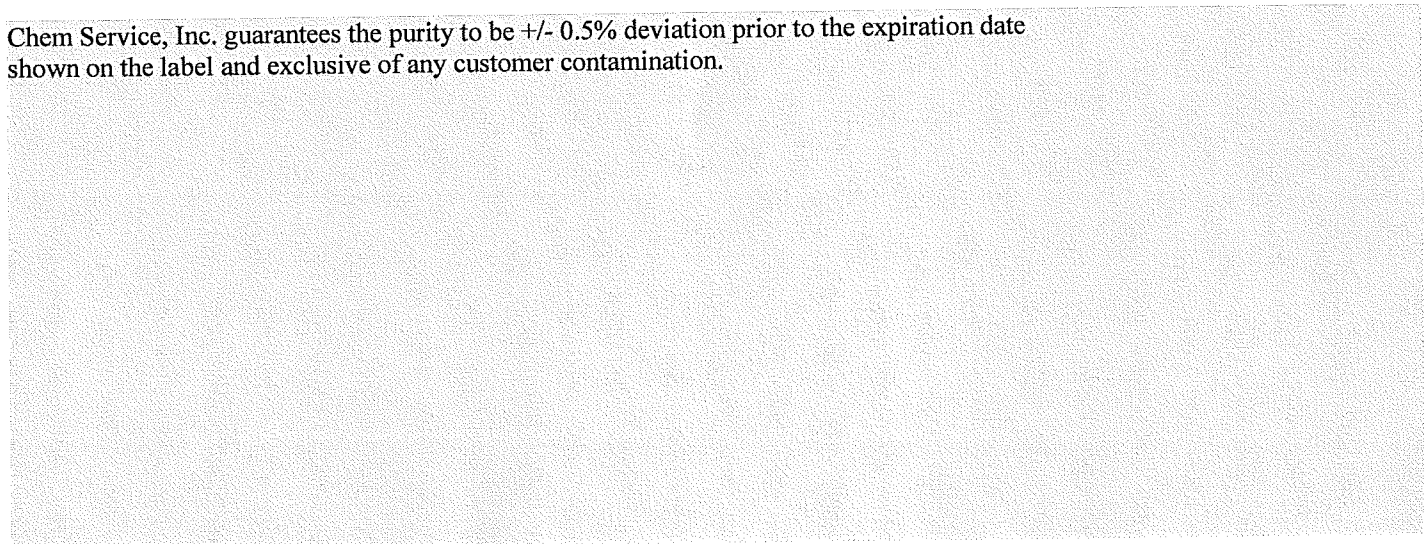




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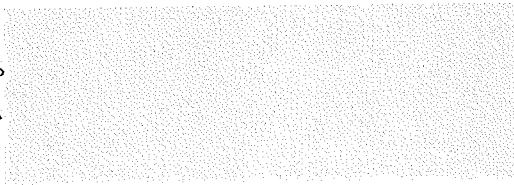
Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.



Certified By:

Mary Beth O'Donnell

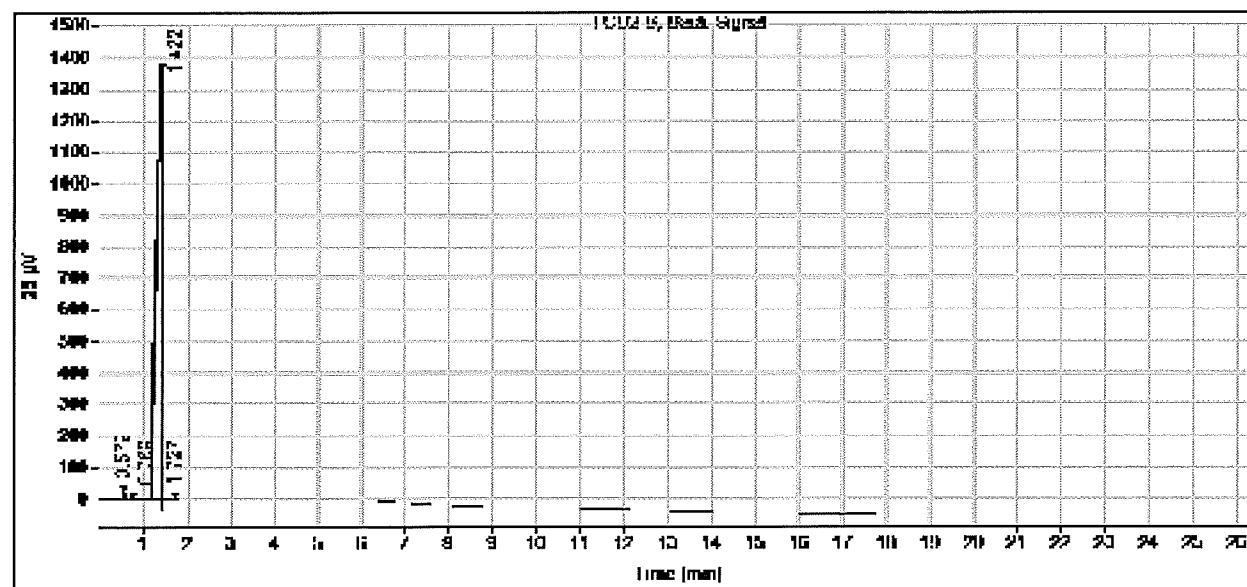
Mary Beth O'Donnell
CSM/TC



CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2019 DATA\0719\SIG2022556.D
Sample name: N-11885 NEAT TCD
Instrument: GC 1 Sample type: Sample
Injection date: 7/31/2019 11:37:41 AM Location: Vial 101
Acq. method: N-11885 TCD.M Injection volume: 1.0uL
Column name: DB-624 (30m x 0.53mm x 3.0um)



Signal: TCD2 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
0.572	BB	0.0212	35.3817	25.4750	0.3008
0.769	BB	0.0375	16.7108	5.8171	0.1420
1.422	BB	0.1103	11708.3486	1361.3082	99.4587
1.727	BB	0.0260	11.6247	7.1305	0.0987
Sum			11772.0858		

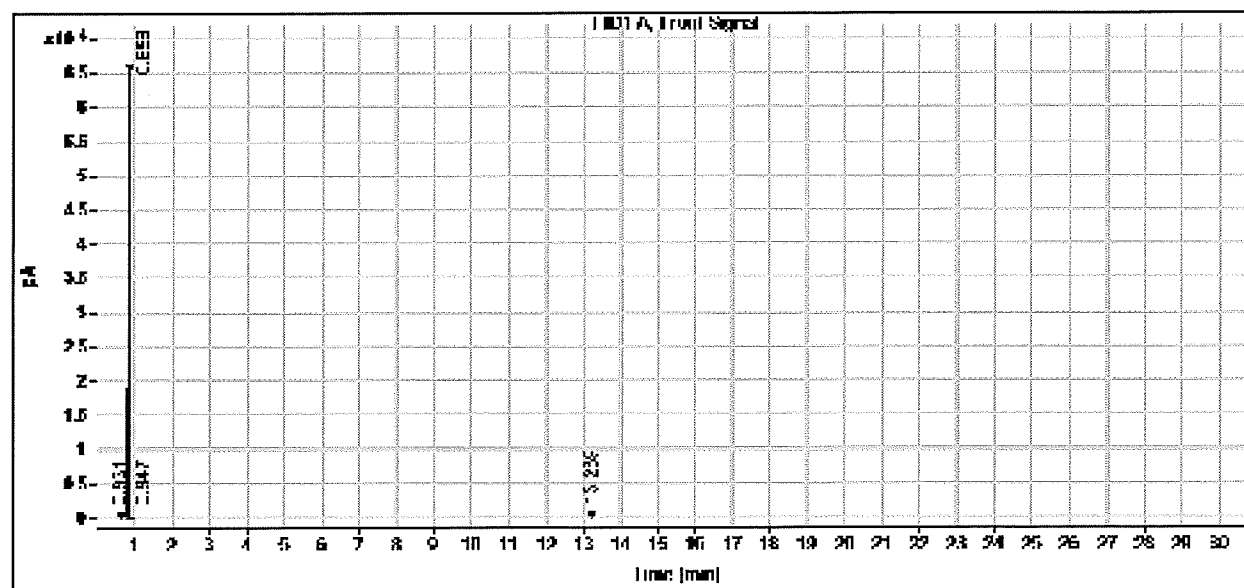
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2019 DATA\073010\073010B 2019-07-30 18-13-42
1101F0403.D

Sample name: N-11885 neat

Instrument: GC 1 Sample type: Sample
Injection date: 7/31/2019 3:38:30 AM Location: Vial 101
Acq. method: N-11885.M Injection volume: 1.0uL
Column name: DB-624 (30m x 0.53mm x 3.0um)



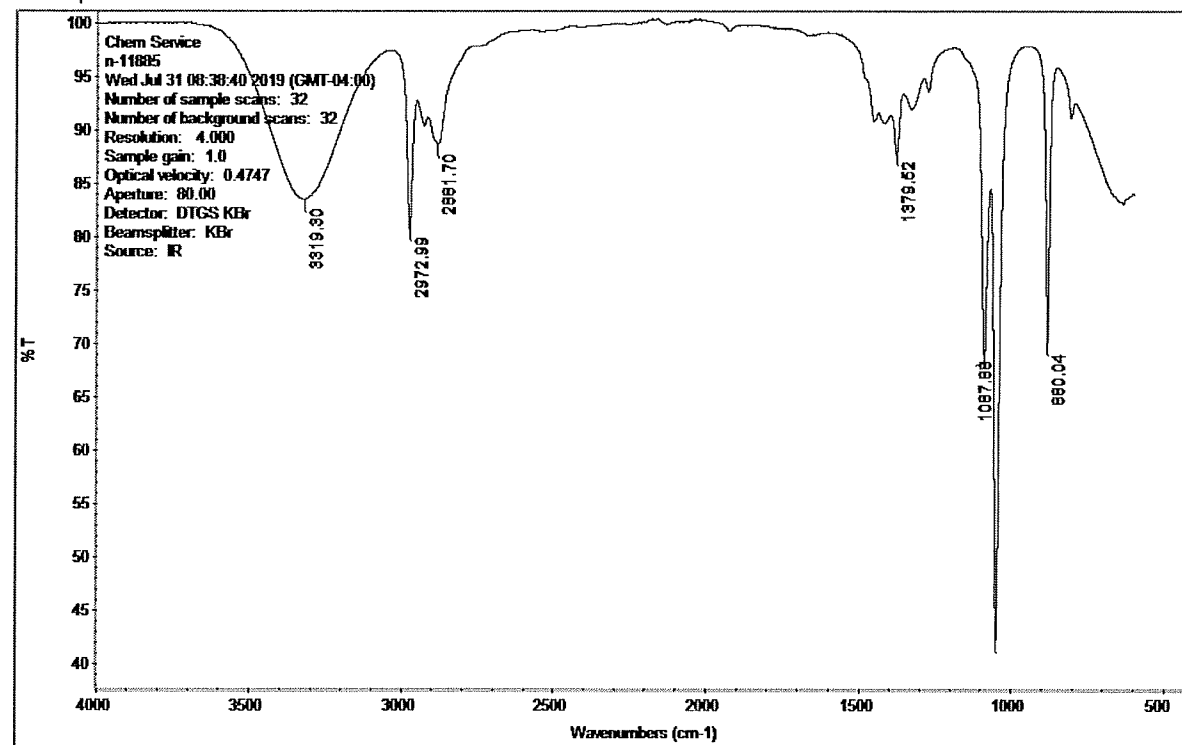
Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
0.631	BV	0.0075	0.2668	0.5372	0.0002
0.647	VB	0.0112	27.4219	37.8672	0.0185
0.868	BB S	0.0287	148490.7656	65443.8719	99.9813
13.239	BB	0.0025	0.0186	0.1089	0.0000
Sum			148518.4729		

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number: N-11885-1G
Description: Ethyl alcohol
Lot Number: 12173500
Expiration Date: 08/30/25



Reagent

ATTO15CALs_00049

THE LINDE GROUP

Linde

SHIPPED TO: Test America Inc.
30 Community Dr Ste 11
South Burlington, VT 05403-6834

PAGE: 1 of 4

ANALYSIS REPORT

Sales#: 117425259

Production#: 1545375

Report Date: Oct-25-2021

P.O.#: 74005680

Blend Type: QUALIFIED

Material#: 24106776

Traceability: NIST by weight

Expiration Date: Oct-25-2022

Do NOT use under: 150 psig



1809445

ID ATTO15CALs_00049

Exp 10/18/24 Prgd: VTP

TO15 Second Source Tank

Cylinder Size: 152 (8" X 47.5")

Cylinder #: CC-237336

Cylinder Pressure: 1700 psig

Cylinder Valve: CGA 350 / Steel

Cylinder Volume: 29.5 Liter

Cylinder Material: Aluminum

Gas Volume: 3400 Liters

Blend Tolerance: 10% Relative

Analytical Accuracy: 5% Relative

* Exp: 10/18/2024

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Propylene	115-07-1	1.00 ppm	1.03 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.05 ppm
Freon-12	75-71-8	1.00 ppm	1.04 ppm
Chloromethane	74-87-3	1.00 ppm	1.07 ppm
Freon-114	76-14-2	1.00 ppm	1.04 ppm
Vinyl Chloride	75-01-4	1.00 ppm	1.03 ppm
1,3-Butadiene	106-99-0	1.00 ppm	1.04 ppm
Methanol (No Stability Guarantee)	67-56-1	1.00 ppm	0.86 ppm
n-Butane	106-97-8	1.00 ppm	1.04 ppm
Bromomethane	74-83-9	1.00 ppm	1.03 ppm
Chloroethane	75-00-3	1.00 ppm	1.03 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.04 ppm
Acetonitrile	75-05-8	1.00 ppm	0.95 ppm
Acrolein	107-02-8	1.00 ppm	1.01 ppm
Isopentane	78-78-4	1.00 ppm	1.05 ppm
Acetone	67-64-1	1.00 ppm	0.99 ppm
Freon-11	75-69-4	1.00 ppm	1.06 ppm
n-Pentane	109-66-0	1.00 ppm	1.05 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	0.98 ppm
Acrylonitrile	107-13-1	1.00 ppm	0.98 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.04 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	1.03 ppm
Carbon Disulfide	75-15-0	1.00 ppm	1.02 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.03 ppm
Tert-Butanol	75-65-0	1.00 ppm	1.02 ppm
Allyl Chloride	107-05-1	1.00 ppm	1.07 ppm
Freon-113	76-13-1	1.00 ppm	1.05 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.03 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.01 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.02 ppm

* Recertify at 11/06/2023 by VTP

THE LINDE GROUP

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SHIPPED TO: Test America Inc.
30 Community Dr Ste 11
South Burlington, VT 05403-6834

PAGE: 2 of 4

ANALYSIS REPORT

Sales#: 117425259
Production#: 1545375
Report Date: Oct-25-2021
P.O.# : 74005680
Blend Type: QUALIFIED
Material#: 24106776
Traceability: NIST by weight
Expiration Date: Oct-25-2022
Do NOT use under: 150 psig

Cylinder Size: 152 (8" X 47.5")
Cylinder # : CC-237336
Cylinder Pressure: 1700 psig
Cylinder Valve: CGA 350 / Steel
Cylinder Volume: 29.5 Liter
Cylinder Material: Aluminum
Gas Volume: 3400 Liters
Blend Tolerance: 10% Relative
Analytical Accuracy: 5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Vinyl Acetate	108-05-4	1.00 ppm	1.05 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.02 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.01 ppm
Hexane	110-54-3	1.00 ppm	1.04 ppm
Chloroform	67-66-3	1.00 ppm	1.01 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.01 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	0.96 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.02 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.03 ppm
Benzene	71-43-2	1.00 ppm	1.03 ppm
1-Butanol	71-36-3	1.00 ppm	0.92 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.03 ppm
Cyclohexane	110-82-7	1.00 ppm	1.05 ppm
Dibromomethane	74-95-3	1.00 ppm	1.03 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.03 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.03 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.03 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.02 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.05 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	0.97 ppm
Heptane	142-82-5	1.00 ppm	1.05 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.03 ppm
Methylcyclohexane	108-87-2	1.00 ppm	1.04 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.03 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	0.97 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.03 ppm
Toluene	108-88-3	1.00 ppm	1.01 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	0.98 ppm
Dibromochloromethane	124-48-1	1.00 ppm	0.97 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.05 ppm

THE LINDE GROUP

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SHIPPED TO: Test America Inc.
30 Community Dr Ste 11
South Burlington, VT 05403-6834

PAGE: 3 of 4

ANALYSIS REPORT

Sales#: 117425259
Production#: 1545375
Report Date: Oct-25-2021
P.O.# : 74005680
Blend Type: QUALIFIED
Material#: 24106776
Traceability: NIST by weight
Expiration Date: Oct-25-2022
Do NOT use under: 150 psig

Cylinder Size: 152 (8" X 47.5")
Cylinder # : CC-237336
Cylinder Pressure: 1700 psig
Cylinder Valve: CGA 350 / Steel
Cylinder Volume: 29.5 Liter
Cylinder Material: Aluminum
Gas Volume: 3400 Liters
Blend Tolerance: 10% Relative
Analytical Accuracy: 5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Octane	111-65-9	1.00 ppm	1.03 ppm
Tetrachloroethylene	127-18-4	1.00 ppm	1.05 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.02 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.01 ppm
p-xylene	106-42-3	1.00 ppm	1.02 ppm
m-xylene	108-38-3	1.00 ppm	1.02 ppm
Bromoform	75-25-2	1.00 ppm	1.02 ppm
Styrene	100-42-5	1.00 ppm	1.00 ppm
o-xylene	95-47-6	1.00 ppm	1.03 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.03 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.05 ppm
Nonane	111-84-2	1.00 ppm	1.05 ppm
Cumene	98-82-8	1.00 ppm	1.04 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.04 ppm
n-Propylbenzene	103-65-1	1.00 ppm	1.04 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.03 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.04 ppm
alpha-Methyl Styrene (No Stability Guarantee)	98-83-9	1.00 ppm	1.02 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.04 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.06 ppm
Benzyl Chloride	100-44-7	1.00 ppm	1.06 ppm
n-Decane	124-18-5	1.00 ppm	1.02 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.02 ppm
Sec-Butyl Benzene	135-98-8	1.00 ppm	1.02 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.01 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.02 ppm
n-Butyl Benzene	104-51-8	1.00 ppm	1.02 ppm

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30 Community Dr Ste 11
South Burlington, VT 05403-6834

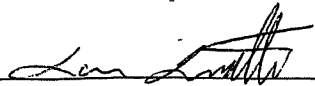
PAGE: 4 of 4

ANALYSIS REPORT

Sales#:	117425259	Cylinder Size:	152 (8" X 47.5")
Production#:	1545375	Cylinder #:	CC-237336
Report Date:	Oct-25-2021	Cylinder Pressure:	1700 psig
P.O.#:	74005680	Cylinder Valve:	CGA 350 / Steel
Blend Type:	QUALIFIED	Cylinder Volume:	29.5 Liter
Material#:	24106776	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3400 Liters
Expiration Date:	Oct-25-2022	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Analytical Accuracy:	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Undecane	1120-21-4	1.00 ppm	1.03 ppm
1,2,4-Trichlorobenzene	120-82-1	1.00 ppm	1.05 ppm
Naphthalene	91-20-3	1.00 ppm	0.95 ppm
n-Dodecane	112-40-3	1.00 ppm	0.93 ppm
1,2,3-Trichlorobenzene	87-61-6	1.00 ppm	0.92 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.00 ppm	1.02 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST:


Lou Lorenzetti

DATE: Oct-25-2021

Preliminary Report

Eurofins Burlington

LCS, Lab Control Sample Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231020-57485.b\57485_004.D

Lims ID: lcs

Inj. Date: 20-Oct-2023 09:44:43

Worklist ID: 200-0057485-004

Instrument: CHAN.i

Method: TO15_TO3_Master_Method_AN

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 Summa_C
1 Propene	10.0	10.5	104.8	50-158
2 Dichlorodifluoromethane	10.0	9.94	99.4	61-142
3 Chlorodifluoromethane	10.0	9.92	99.2	60-147
4 1,2-Dichloro-1,1,2,2-te	10.0	9.66	96.6	71-141
5 Chloromethane	10.0	9.84	98.4	56-141
7 Butane	10.0	8.13	81.3	53-151
6 Vinyl chloride	10.0	8.23	82.3	61-135
8 Butadiene	10.0	7.26	72.6	58-139
9 Bromomethane	10.0	9.69	96.9	72-124
10 Chloroethane	10.0	9.74	97.4	68-130
12 2-Methylbutane	10.0	8.68	86.8	56-150
13 Vinyl bromide	10.0	9.82	98.2	75-125
14 Trichlorofluoromethane	10.0	9.32	93.2	70-129
15 Pentane	10.0	8.71	87.1	59-152
16 Ethanol	15.0	13.4	89.3	50-150
18 Ethyl ether	10.0	9.04	90.4	71-143
19 Acrolein	10.0	8.55	85.5	50-150
20 1,1-Dichloroethene	10.0	9.07	90.7	68-120
21 1,1,2-Trichloro-1,2,2-t	10.0	9.37	93.7	70-121
22 Acetone	10.0	8.94	89.4	54-154
23 Isopropyl alcohol	10.0	9.07	90.7	53-142
24 Carbon disulfide	10.0	9.13	91.3	71-138
25 Acetonitrile	10.0	8.31	83.1	60-154
26 3-Chloro-1-propene	10.0	7.38	73.8	50-150
27 Methylene Chloride	10.0	8.19	82.0	59-137
28 2-Methyl-2-propanol	10.0	9.37	93.7	66-132
29 Acrylonitrile	10.0	8.21	82.1	65-140
31 Methyl tert-butyl ether	10.0	9.01	90.1	70-127
30 trans-1,2-Dichloroethen	10.0	8.23	82.3	69-137
32 Hexane	10.0	8.36	83.6	63-138
S 35 1,2-Dichloroethene, Tot	20.0	17.1	85.3	73-126
33 1,1-Dichloroethane	10.0	8.21	82.1	66-130
34 Vinyl acetate	10.0	8.30	83.0	59-149
36 2-Butanone (MEK)	10.0	8.80	88.0	72-124
37 cis-1,2-Dichloroethene	10.0	8.82	88.2	72-121
38 Ethyl acetate	10.0	9.64	96.5	70-131
40 Tetrahydrofuran	10.0	8.18	81.8	60-149
41 Chloroform	10.0	8.87	88.7	73-124
42 1,1,1-Trichloroethane	10.0	9.12	91.2	72-127
43 Cyclohexane	10.0	9.21	92.1	76-124
44 Carbon tetrachloride	10.0	9.10	91.0	71-133

*Duplicate analysis
Recertification*

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231020-57485.b\57485_004.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_C
45 Benzene	10.0	8.83	88.3	73-119
46 1,2-Dichloroethane	10.0	8.75	87.5	68-135
47 Isooctane	10.0	8.60	86.0	68-131
48 n-Heptane	10.0	8.05	80.6	60-142
50 n-Butanol	10.0	8.76	87.7	50-156
51 Trichloroethene	10.0	9.03	90.3	73-122
53 1,2-Dichloropropane	10.0	8.42	84.2	69-128
54 Methyl methacrylate	10.0	9.11	91.1	73-129
55 1,4-Dioxane	10.0	10.2	101.8	66-129
57 Dibromomethane	10.0	9.44	94.4	68-126
58 Dichlorobromomethane	10.0	9.02	90.2	75-127
59 cis-1,3-Dichloropropene	10.0	9.11	91.1	74-125
61 4-Methyl-2-pentanone (M	10.0	8.36	83.6	58-144
62 Toluene	10.0	9.37	93.7	75-122
64 n-Octane	10.0	8.18	81.8	62-144
66 trans-1,3-Dichloropropene	10.0	9.08	90.8	74-128
67 1,1,2-Trichloroethane	10.0	8.88	88.9	75-126
68 Tetrachloroethene	10.0	9.31	93.1	70-125
69 2-Hexanone	10.0	8.38	83.8	57-143
70 Chlorodibromomethane	10.0	9.44	94.4	73-125
71 Ethylene Dibromide	10.0	9.47	94.8	78-122
74 Chlorobenzene	10.0	9.19	91.9	76-119
75 Ethylbenzene	10.0	9.32	93.2	74-122
76 m-Xylene & p-Xylene	20.0	18.9	94.7	76-121
77 n-Nonane	10.0	8.41	84.1	70-131
S 80 Xylenes, Total	30.0	28.6	95.4	75-122
78 o-Xylene	10.0	9.67	96.8	73-123
79 Styrene	10.0	9.78	97.8	74-125
81 Bromoform	10.0	9.46	94.6	53-149
82 Isopropylbenzene	10.0	9.71	97.1	73-123
83 1,1,2,2-Tetrachloroethane	10.0	8.92	89.2	74-126
84 1,2,3-Trichloropropane	10.0	9.09	90.9	71-125
85 N-Propylbenzene	10.0	9.53	95.3	73-127
86 2-Chlorotoluene	10.0	9.22	92.2	74-126
87 4-Ethyltoluene	10.0	9.68	96.8	75-129
88 1,3,5-Trimethylbenzene	10.0	9.59	95.9	72-126
89 n-Decane	10.0	8.55	85.5	68-134
90 Alpha Methyl Styrene	10.0	10.1	101.2	71-132
91 tert-Butylbenzene	10.0	9.64	96.4	71-125
92 1,2,4-Trimethylbenzene	10.0	9.59	95.9	71-129
93 sec-Butylbenzene	10.0	9.66	96.7	70-128
94 1,3-Dichlorobenzene	10.0	9.51	95.1	69-131
95 4-Isopropyltoluene	10.0	9.86	98.6	68-130
96 1,4-Dichlorobenzene	10.0	9.54	95.4	67-132
97 Benzyl chloride	10.0	9.43	94.3	60-136
98 n-Butylbenzene	10.0	9.63	96.3	65-137

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231020-57485.b\57485_004.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_C
99 1,2-Dichlorobenzene	10.0	9.45	94.5	68-129
100 Undecane	10.0	8.77	87.7	62-136
101 Dodecane	10.0	9.06	90.6	50-150
102 1,2,4-Trichlorobenzene	10.0	9.66	96.6	50-150
103 Hexachlorobutadiene	10.0	9.31	93.1	58-130
104 Naphthalene	10.0	9.72	97.2	50-150
105 1,2,3-Trichlorobenzene	10.0	9.39	93.9	50-150

Samples for Limit Group: 1, Lims Prep Method: Air_Summa_Can

200-70402-A-1

200-70402-A-2

200-70402-A-3

200-70404-A-1

200-70404-A-2

200-70404-A-3

Preliminary Report

Eurofins Burlington

LCS, Lab Control Sample Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231021-57501.b\57501_003.D

Lims ID: lcs

Inj. Date: 21-Oct-2023 14:53:03

Worklist ID: 200-0057501-003

Instrument: CHAN.i

Method: TO15_TO3_Master_Method_AN

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 Summa_C
1 Propene	10.0	10.2	102.1	50-158
2 Dichlorodifluoromethane	10.0	9.86	98.6	61-142
3 Chlorodifluoromethane	10.0	9.67	96.7	60-147
4 1,2-Dichloro-1,1,2,2-te	10.0	9.56	95.6	71-141
5 Chloromethane	10.0	9.55	95.5	56-141
7 Butane	10.0	8.13	81.3	53-151
6 Vinyl chloride	10.0	8.08	80.8	61-135
8 Butadiene	10.0	7.83	78.3	58-139
9 Bromomethane	10.0	9.68	96.8	72-124
10 Chloroethane	10.0	9.84	98.5	68-130
12 2-Methylbutane	10.0	9.10	91.0	56-150
13 Vinyl bromide	10.0	9.81	98.1	75-125
14 Trichlorofluoromethane	10.0	9.40	94.1	70-129
15 Pentane	10.0	9.31	93.2	59-152
16 Ethanol	15.0	14.3	95.1	50-150
18 Ethyl ether	10.0	9.41	94.2	71-143
19 Acrolein	10.0	9.05	90.5	50-150
20 1,1-Dichloroethene	10.0	9.31	93.2	68-120
21 1,1,2-Trichloro-1,2,2-t	10.0	9.46	94.6	70-121
22 Acetone	10.0	9.51	95.1	54-154
23 Isopropyl alcohol	10.0	9.88	98.8	53-142
24 Carbon disulfide	10.0	9.40	94.0	71-138
25 Acetonitrile	10.0	9.07	90.7	60-154
26 3-Chloro-1-propene	10.0	8.15	81.6	50-150
27 Methylene Chloride	10.0	8.76	87.6	59-137
28 2-Methyl-2-propanol	10.0	10.0	100.1	66-132
29 Acrylonitrile	10.0	8.90	89.0	65-140
31 Methyl tert-butyl ether	10.0	9.36	93.6	70-127
30 trans-1,2-Dichloroethen	10.0	8.59	85.9	69-137
32 Hexane	10.0	8.96	89.6	63-138
S 35 1,2-Dichloroethene, Tot	20.0	17.6	88.1	73-126
33 1,1-Dichloroethane	10.0	8.56	85.7	66-130
34 Vinyl acetate	10.0	9.21	92.2	59-149
36 2-Butanone (MEK)	10.0	9.30	93.0	72-124
37 cis-1,2-Dichloroethene	10.0	9.03	90.3	72-121
38 Ethyl acetate	10.0	10.1	101.3	70-131
40 Tetrahydrofuran	10.0	8.91	89.1	60-149
41 Chloroform	10.0	9.02	90.3	73-124
42 1,1,1-Trichloroethane	10.0	9.02	90.2	72-127
43 Cyclohexane	10.0	9.41	94.1	76-124
44 Carbon tetrachloride	10.0	9.01	90.1	71-133

$\bar{x}$	D	RPD
103.45	1.35	1.31
49.00	0.40	0.40
97.95	1.25	1.28
96.05	0.45	0.47
96.95	1.45	1.50
81.30	0.00	0.00
81.55	0.75	0.92
75.45	2.85	3.78
96.85	0.05	0.05
97.95	0.55	0.56
88.90	2.10	2.36
98.15	0.05	0.05
93.65	0.45	0.48
90.15	3.05	3.38
92.30	1.90	2.06
88.00	2.50	2.84
91.95	1.25	1.35
94.15	0.45	0.47
92.25	2.85	3.09
94.75	4.05	4.27
92.65	1.35	1.46
86.90	3.80	4.37
77.70	3.90	5.02
84.80	2.80	3.20
96.90	3.20	3.30
85.55	3.45	4.03
91.85	1.75	1.90
84.10	1.80	2.14
86.60	3.00	3.46
83.90		
83.90	1.80	2.14
87.60	4.60	5.25
90.50	2.50	2.77
89.25	1.05	1.18
98.90	2.40	2.43
85.45	3.65	4.27
89.50	0.80	0.89
90.70	0.50	0.55
93.10	1.00	1.07
90.55	0.45	0.50

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231021-57501.b\57501_003.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_C
45 Benzene	10.0	9.06	90.6	73-119
46 1,2-Dichloroethane	10.0	8.83	88.3	68-135
47 Isooctane	10.0	9.02	90.3	68-131
48 n-Heptane	10.0	8.67	86.7	60-142
50 n-Butanol	10.0	9.38	93.8	50-156
51 Trichloroethene	10.0	9.10	91.0	73-122
53 1,2-Dichloropropane	10.0	8.70	87.0	69-128
54 Methyl methacrylate	10.0	9.40	94.1	73-129
55 1,4-Dioxane	10.0	10.4	103.5	66-129
57 Dibromomethane	10.0	9.37	93.7	68-126
58 Dichlorobromomethane	10.0	9.02	90.2	75-127
59 cis-1,3-Dichloropropene	10.0	9.36	93.6	74-125
61 4-Methyl-2-pentanone (M	10.0	8.95	89.6	58-144
62 Toluene	10.0	9.61	96.1	75-122
64 n-Octane	10.0	8.73	87.4	62-144
66 trans-1,3-Dichloroprope	10.0	9.20	92.0	74-128
67 1,1,2-Trichloroethane	10.0	9.11	91.1	75-126
68 Tetrachloroethene	10.0	9.41	94.1	70-125
69 2-Hexanone	10.0	9.04	90.4	57-143
70 Chlorodibromomethane	10.0	9.49	94.9	73-125
71 Ethylene Dibromide	10.0	9.60	96.0	78-122
74 Chlorobenzene	10.0	9.33	93.3	76-119
75 Ethylbenzene	10.0	9.52	95.3	74-122
76 m-Xylene & p-Xylene	20.0	19.4	97.0	76-121
77 n-Nonane	10.0	9.38	93.9	70-131
S 80 Xylenes, Total	30.0	29.5	98.3	75-122
78 o-Xylene	10.0	10.1	100.9	73-123
79 Styrene	10.0	10.2	102.2	74-125
81 Bromoform	10.0	9.45	94.6	53-149
82 Isopropylbenzene	10.0	9.90	99.0	73-123
83 1,1,2,2-Tetrachloroetha	10.0	9.11	91.1	74-126
84 1,2,3-Trichloropropane	10.0	9.26	92.6	71-125
85 N-Propylbenzene	10.0	9.69	96.9	73-127
86 2-Chlorotoluene	10.0	9.36	93.7	74-126
87 4-Ethyltoluene	10.0	9.75	97.5	75-129
88 1,3,5-Trimethylbenzene	10.0	9.70	97.0	72-126
89 n-Decane	10.0	8.90	89.0	68-134
90 Alpha Methyl Styrene	10.0	10.2	102.5	71-132
91 tert-Butylbenzene	10.0	9.66	96.6	71-125
92 1,2,4-Trimethylbenzene	10.0	9.74	97.4	71-129
93 sec-Butylbenzene	10.0	9.66	96.6	70-128
94 1,3-Dichlorobenzene	10.0	9.51	95.1	69-131
95 4-Isopropyltoluene	10.0	9.89	98.9	68-130
96 1,4-Dichlorobenzene	10.0	9.55	95.5	67-132
97 Benzyl chloride	10.0	9.45	94.6	60-136
98 n-Butylbenzene	10.0	9.68	96.8	65-137

X D RPD

89.45	1.15	1.29
87.90	0.40	0.46
88.15	2.15	2.44
83.65	3.05	3.65
90.75	3.05	3.36
90.65	0.35	0.39
85.60	1.40	1.63
92.60	1.50	1.62
102.65	0.85	0.83
94.05	0.35	0.37
90.2	0.00	0.00
92.35	1.25	1.35
86.60	3.00	3.46
94.90	1.20	1.26
84.60	2.80	3.31
91.40	0.66	0.66
90.00	1.10	1.22
93.60	0.50	0.53
87.10	3.30	3.78
94.65	0.25	0.26
95.40	0.60	0.63
92.60	0.70	0.76
94.25	1.05	1.11
95.85	1.15	1.20
89.00	4.90	5.50
98.85	2.05	2.07
100.00	2.20	2.20
94.60	0.00	0.00
98.05	0.95	0.97
90.15	0.95	1.05
91.75	0.85	0.93
96.10	0.80	0.83
92.95	0.75	0.81
97.15	0.35	3.60
96.45	0.55	0.57
87.25	1.75	2.01
101.85	0.65	0.64
96.50	0.10	0.10
96.65	0.75	0.78
96.65	0.05	0.05
95.10	0.00	0.00
98.75	0.15	0.15
95.45	0.05	0.05
94.40	0.20	0.21
96.55	0.25	0.26

Preliminary Report

Sample Path: \\chromfs\Burlington\ChromData\CHAN.i\20231021-57501.b\57501_003.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 _Summa_C
99 1,2-Dichlorobenzene	10.0	9.45	94.5	68-129
100 Undecane	10.0	8.98	89.8	62-136
101 Dodecane	10.0	9.09	90.9	50-150
102 1,2,4-Trichlorobenzene	10.0	9.64	96.4	50-150
103 Hexachlorobutadiene	10.0	9.29	92.9	58-130
104 Naphthalene	10.0	9.72	97.2	50-150
105 1,2,3-Trichlorobenzene	10.0	9.44	94.4	50-150

X D RPD
94.50 0.00 0.00
88.75 1.05 1.18
90.75 0.15 0.17
96.50 0.10 0.10
93.00 0.10 0.11
97.20 0.00 0.00
94.15 0.25 0.27

Samples for Limit Group: 1, Lims Prep Method: Air_Summa_Can

200-70404-A-2

200-70404-A-3

200-70404-A-6

200-70404-A-7

200-70404-A-8

200-70404-A-9

200-70404-A-10

200-70404-A-11

200-70398-A-1

200-70398-A-2

200-70398-A-3

200-70398-A-4

200-70398-A-5

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PAGE: 1 of 4



1809416

ID: ATTO15CALs_00048

Exp: 10/18/24 Prpd

TO15 Calibration Source 1

ANALYSIS REPORT

Sales#: 117483885
Production#: 1595731
Report Date: Oct-18-2023
P.O.# : 75601236
Blend Type: QUALIFIED
Material#: 24106776
Traceability: NIST by weight
Expiration Date: Oct-18-2024
Do NOT use under: 150 psig

Cylinder Size: 152 (8" X 47.5")
Cylinder # : CC-133603
Cylinder Pressure: 1700 psig
Cylinder Valve: CGA 350 / Steel
Cylinder Volume: 29.5 Liter
Cylinder Material: Aluminum
Gas Volume: 3400 Liters
Blend Tolerance: 10% Relative
Analytical Accuracy: 5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Propylene	115-07-1	1.00 ppm	1.02 ppm
Chlorodifluoromethane	75-45-6	1.00 ppm	1.07 ppm
Freon-12	75-71-8	1.00 ppm	1.04 ppm
Chloromethane	74-87-3	1.00 ppm	1.02 ppm
Freon-114	76-14-2	1.00 ppm	1.09 ppm
Vinyl Chloride	75-01-4	1.00 ppm	1.04 ppm
1,3-Butadiene	106-99-0	1.00 ppm	0.98 ppm
Methanol (No Stability Guarantee)	67-56-1	1.00 ppm	0.58 ppm
n-Butane	106-97-8	1.00 ppm	1.06 ppm
Bromomethane	74-83-9	1.00 ppm	1.04 ppm
Chloroethane	75-00-3	1.00 ppm	1.06 ppm
Vinyl Bromide	593-60-2	1.00 ppm	1.02 ppm
Acetonitrile	75-05-8	1.00 ppm	0.92 ppm
Acrolein	107-02-8	1.00 ppm	0.94 ppm
Isopentane	78-78-4	1.00 ppm	1.05 ppm
Acetone	67-64-1	1.00 ppm	1.04 ppm
Freon-11	75-69-4	1.00 ppm	1.05 ppm
Isopropyl Alcohol	67-63-0	1.00 ppm	0.97 ppm
Acrylonitrile	107-13-1	1.00 ppm	1.03 ppm
n-Pentane	109-66-0	1.00 ppm	1.04 ppm
Ethyl Ether	60-29-7	1.00 ppm	1.04 ppm
1,1-Dichloroethene	75-35-4	1.00 ppm	1.04 ppm
Carbon Disulfide	75-15-0	1.00 ppm	1.03 ppm
Methylene Chloride	75-09-2	1.00 ppm	1.03 ppm
Tert-Butanol	75-65-0	1.00 ppm	1.09 ppm
3-Chloropropene	107-05-1	1.00 ppm	1.05 ppm
Freon-113	76-13-1	1.00 ppm	1.06 ppm
Trans-1,2-Dichloroethene	156-60-5	1.00 ppm	1.05 ppm
1,1-Dichloroethane	75-34-3	1.00 ppm	1.04 ppm
Methyl Tert Butyl Ether	1634-04-4	1.00 ppm	1.04 ppm

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ANALYSIS REPORT

Sales#:	117483885	Cylinder Size:	152 (8" X 47.5")
Production#:	1595731	Cylinder # :	CC-133603
Report Date:	Oct-18-2023	Cylinder Pressure:	1700 psig
P.O.# :	75601236	Cylinder Valve:	CGA 350 / Steel
Blend Type:	QUALIFIED	Cylinder Volume:	29.5 Liter
Material#:	24106776	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3400 Liters
Expiration Date:	Oct-18-2024	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Analytical Accuracy:	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
Vinyl Acetate (No Stability Guarantee)	108-05-4	1.00 ppm	0.79 ppm
Methyl Ethyl Ketone	78-93-3	1.00 ppm	1.03 ppm
Cis-1,2-Dichloroethene	156-59-2	1.00 ppm	1.05 ppm
Hexane	110-54-3	1.00 ppm	1.05 ppm
Chloroform	67-66-3	1.00 ppm	1.05 ppm
Ethyl Acetate	141-78-6	1.00 ppm	1.04 ppm
Tetrahydrofuran	109-99-9	1.00 ppm	0.98 ppm
1,2-Dichloroethane	107-06-2	1.00 ppm	1.05 ppm
1,1,1-Trichloroethane	71-55-6	1.00 ppm	1.04 ppm
Benzene	71-43-2	1.00 ppm	1.04 ppm
1-Butanol (No Stability Guarantee)	71-36-3	1.00 ppm	0.70 ppm
Carbon Tetrachloride	56-23-5	1.00 ppm	1.04 ppm
Cyclohexane	110-82-7	1.00 ppm	1.04 ppm
Dibromomethane	74-95-3	1.00 ppm	1.04 ppm
1,2-Dichloropropane	78-87-5	1.00 ppm	1.04 ppm
Trichloroethylene	79-01-6	1.00 ppm	1.02 ppm
Bromodichloromethane	75-27-4	1.00 ppm	1.02 ppm
1,4-Dioxane	123-91-1	1.00 ppm	1.02 ppm
2,2,4-Trimethylpentane	540-84-1	1.00 ppm	1.03 ppm
Methyl Methacrylate	80-62-6	1.00 ppm	1.03 ppm
Heptane	142-82-5	1.00 ppm	1.04 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.00 ppm	1.02 ppm
Methyl Isobutyl Ketone	108-10-1	1.00 ppm	1.03 ppm
Methylcyclohexane	108-87-2	1.00 ppm	1.05 ppm
Trans-1,3-Dichloropropene	10061-02-6	1.00 ppm	1.00 ppm
1,1,2-Trichloroethane	79-00-5	1.00 ppm	1.05 ppm
Toluene	108-88-3	1.00 ppm	1.03 ppm
Methyl Butyl Ketone	591-78-6	1.00 ppm	1.01 ppm
Dibromochloromethane	124-48-1	1.00 ppm	1.06 ppm
1,2-Dibromoethane	106-93-4	1.00 ppm	1.06 ppm

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PAGE: 3 of 4

ANALYSIS REPORT

Sales#:	117483885	Cylinder Size:	152 (8" X 47.5")
Production#:	1595731	Cylinder # :	CC-133603
Report Date:	Oct-18-2023	Cylinder Pressure:	1700 psig
P.O.# :	75601236	Cylinder Valve:	CGA 350 / Steel
Blend Type:	QUALIFIED	Cylinder Volume:	29.5 Liter
Material#:	24106776	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3400 Liters
Expiration Date:	Oct-18-2024	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Analytical Accuracy:	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Octane	111-65-9	1.00 ppm	1.03 ppm
Tetrachloroethylene	127-18-4	1.00 ppm	1.06 ppm
Chlorobenzene	108-90-7	1.00 ppm	1.05 ppm
Ethylbenzene	100-41-4	1.00 ppm	1.02 ppm
p-xylene	106-42-3	1.00 ppm	1.03 ppm
m-xylene	108-38-3	1.00 ppm	1.03 ppm
Bromoform	75-25-2	1.00 ppm	1.03 ppm
Styrene	100-42-5	1.00 ppm	1.02 ppm
o-xylene	95-47-6	1.00 ppm	1.03 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.00 ppm	1.03 ppm
1,2,3-Trichloropropane	96-18-4	1.00 ppm	1.04 ppm
Nonane	111-84-2	1.00 ppm	1.04 ppm
Cumene	98-82-8	1.00 ppm	1.05 ppm
2-Chlorotoluene	95-49-8	1.00 ppm	1.04 ppm
n-Propylbenzene	103-65-1	1.00 ppm	1.03 ppm
4-Ethyltoluene	622-96-8	1.00 ppm	1.02 ppm
1,3,5-Trimethylbenzene	108-67-8	1.00 ppm	1.04 ppm
alpha-Methyl Styrene (No Stability Guarantee)	98-83-9	1.00 ppm	0.99 ppm
Tert-Butyl Benzene	98-06-6	1.00 ppm	1.03 ppm
1,2,4-Trimethylbenzene	95-63-6	1.00 ppm	1.04 ppm
1,3-Dichlorobenzene	541-73-1	1.00 ppm	1.03 ppm
Benzyl Chloride	100-44-7	1.00 ppm	1.03 ppm
n-Decane	124-18-5	1.00 ppm	1.03 ppm
1,4-Dichlorobenzene	106-46-7	1.00 ppm	1.03 ppm
Sec-Butyl Benzene	135-98-8	1.00 ppm	1.04 ppm
4-Isopropyltoluene	99-87-6	1.00 ppm	1.04 ppm
1,2-Dichlorobenzene	95-50-1	1.00 ppm	1.07 ppm
n-Butyl Benzene	104-51-8	1.00 ppm	1.05 ppm

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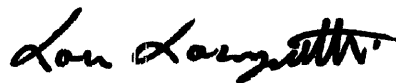
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PAGE: 4 of 4

ANALYSIS REPORT

Sales#:	117483885	Cylinder Size:	152 (8" X 47.5")
Production#:	1595731	Cylinder # :	CC-133603
Report Date:	Oct-18-2023	Cylinder Pressure:	1700 psig
P.O.# :	75601236	Cylinder Valve:	CGA 350 / Steel
Blend Type:	QUALIFIED	Cylinder Volume:	29.5 Liter
Material#:	24106776	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	3400 Liters
Expiration Date:	Oct-18-2024	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Analytical Accuracy:	5% Relative

COMPONENT	CAS NUMBER	REQUESTED CONC	QUALIFIED CONC
n-Undecane	1120-21-4	1.00 ppm	1.06 ppm
1,2,4-Trichlorobenzene	120-82-1	1.00 ppm	1.04 ppm
Naphthalene	91-20-3	1.00 ppm	1.05 ppm
n-Dodecane	112-40-3	1.00 ppm	1.07 ppm
1,2,3-Trichlorobenzene	87-61-6	1.00 ppm	1.09 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.00 ppm	1.05 ppm
Nitrogen	7727-37-9	Balance	Balance

ANALYST:

Lou Lorenzetti

DATE: Oct-18-2023

Reagent

ATTO15CALs_00050



ISO/IEC 17025



Analysis Report



1871092

ID ATTO15CALs_00050
Exp 03/21/25 Prep VTP
TO15 Calibration Source T

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South Burlington, VT 05403

PAGE: 1 of 6
Report ID: 39140
Revision: 0

VTP 3/27/24

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder # :	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Mar-27-2025	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

Primary Reference Material intended for the calibration of gas analyzers or instrumentation. General instructions for proper use of gas mixtures are found in "ISO 16664: Gas analysis – handling of calibration gases and gas mixtures".

Contents under pressure, store in secure area and do not expose to temperatures greater than 150 °F.

Recommended Operating temperature within 32°F (0°C) and 125°F (52°C).

Recommended minimum sample size 10 mL.

Except where noted, results are reported in mole/mole ppm as determined by Gas Chromatography using qualified reference standards under ANA-50-741-ALP and ANA-50-742-ALP and meets ISO/IEC 17025 requirements. Every cylinder is analyzed and represents one unique lot.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor providing a level of confidence of 95% and has been carried out in accordance with ISO/IEC 17025 requirements.

This report is issued in accordance with the laboratory accreditation requirements of ANAB. It provides traceability of measurement to recognized national standards, and to units of measurement realized by the National Institute of Standards and Technology (NIST).

Linde Spectra Environmental Gases

Linde North America, Inc.

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80 Industrial Drive, Alpha, NJ 08865
Phone: +1.908.329-9700 FAX: +1.908.329-9740
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ISO/IEC 17025



Analysis Report

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30 Community Dr Ste 11
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PAGE: 2 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder # :	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Mar-27-2025	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
Propylene	115-07-1	1.000 ppm	2.571	1.066 ppm	± 0.050 ppm
Chlorodifluoromethane	75-45-6	1.000 ppm	2.571	1.065 ppm	± 0.044 ppm
Freon-12	75-71-8	1.000 ppm	2.571	1.048 ppm	± 0.033 ppm
Chloromethane	74-87-3	1.000 ppm	2.571	1.055 ppm	± 0.050 ppm
Freon-114	76-14-2	1.000 ppm	2.571	1.056 ppm	± 0.055 ppm
Vinyl Chloride	75-01-4	1.000 ppm	2.571	1.052 ppm	± 0.035 ppm
1,3-Butadiene	106-99-0	1.000 ppm	2.571	1.059 ppm	± 0.030 ppm
Methanol	67-56-1	1.000 ppm	2.571	1.213 ppm	± 0.034 ppm
n-Butane	106-97-8	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
Bromomethane	74-83-9	1.000 ppm	2.571	1.051 ppm	± 0.033 ppm
Chloroethane	75-00-3	1.000 ppm	2.571	1.046 ppm	± 0.028 ppm
Vinyl Bromide	593-60-2	1.000 ppm	2.571	1.058 ppm	± 0.028 ppm
Acetonitrile	75-05-8	1.000 ppm	2.571	1.101 ppm	± 0.036 ppm
Acrolein	107-02-8	1.000 ppm	2.571	1.171 ppm	± 0.038 ppm
Isopentane	78-78-4	1.000 ppm	2.571	1.060 ppm	± 0.038 ppm
Acetone	67-64-1	1.000 ppm	2.571	1.066 ppm	± 0.036 ppm
Freon-11	75-69-4	1.000 ppm	2.571	1.029 ppm	± 0.026 ppm
Isopropyl Alcohol	67-63-0	1.000 ppm	2.571	1.159 ppm	± 0.029 ppm
n-Pentane	109-66-0	1.000 ppm	2.571	1.057 ppm	± 0.026 ppm
Acrylonitrile	107-13-1	1.000 ppm	2.571	1.070 ppm	± 0.034 ppm
Ethyl Ether	60-29-7	1.000 ppm	2.571	1.059 ppm	± 0.043 ppm
1,1-Dichloroethene	75-35-4	1.000 ppm	2.571	1.087 ppm	± 0.034 ppm
Carbon Disulfide	75-15-0	1.000 ppm	2.571	1.083 ppm	± 0.034 ppm
Methylene Chloride	75-09-2	1.000 ppm	2.571	1.063 ppm	± 0.027 ppm
Tert-Butanol	75-65-0	1.000 ppm	2.571	1.084 ppm	± 0.027 ppm
3-Chloropropene	107-05-1	1.000 ppm	2.571	1.047 ppm	± 0.026 ppm
Freon-113	76-13-1	1.000 ppm	2.571	1.082 ppm	± 0.033 ppm

Linde Spectra Environmental Gases

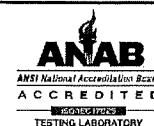
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Analysis Report

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30 Community Dr Ste 11
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PAGE: 3 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder # :	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Mar-27-2025	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
Trans-1,2-Dichloroethene	156-60-5	1.000 ppm	2.571	1.035 ppm	± 0.034 ppm
1,1-Dichloroethane	75-34-3	1.000 ppm	2.571	1.042 ppm	± 0.042 ppm
Methyl Tert Butyl Ether	1634-04-4	1.000 ppm	2.571	1.050 ppm	± 0.031 ppm
Vinyl Acetate	108-05-4	1.000 ppm	2.571	1.139 ppm	± 0.030 ppm
Methyl Ethyl Ketone	78-93-3	1.000 ppm	2.571	1.060 ppm	± 0.023 ppm
Cis-1,2-Dichloroethene	156-59-2	1.000 ppm	2.571	1.081 ppm	± 0.042 ppm
Hexane	110-54-3	1.000 ppm	2.571	1.057 ppm	± 0.041 ppm
Chloroform	67-66-3	1.000 ppm	2.571	1.034 ppm	± 0.026 ppm
Ethyl Acetate	141-78-6	1.000 ppm	2.571	1.028 ppm	± 0.026 ppm
Tetrahydrofuran	109-99-9	1.000 ppm	2.571	1.058 ppm	± 0.025 ppm
1,2-Dichloroethane	107-06-2	1.000 ppm	2.571	1.037 ppm	± 0.032 ppm
1,1,1-Trichloroethane	71-55-6	1.000 ppm	2.571	1.040 ppm	± 0.034 ppm
Benzene	71-43-2	1.000 ppm	2.571	1.042 ppm	± 0.040 ppm
1-Butanol	71-36-3	1.000 ppm	2.571	1.092 ppm	± 0.027 ppm
Carbon Tetrachloride	56-23-5	1.000 ppm	2.571	1.045 ppm	± 0.026 ppm
Cyclohexane	110-82-7	1.000 ppm	2.571	1.058 ppm	± 0.032 ppm
Dibromomethane	74-95-3	1.000 ppm	2.571	1.044 ppm	± 0.026 ppm
1,2-Dichloropropane	78-87-5	1.000 ppm	2.571	1.052 ppm	± 0.026 ppm
Trichloroethylene	79-01-6	1.000 ppm	2.571	1.048 ppm	± 0.025 ppm
Bromodichloromethane	75-27-4	1.000 ppm	2.571	1.043 ppm	± 0.025 ppm
1,4-Dioxane	123-91-1	1.000 ppm	2.571	1.045 ppm	± 0.025 ppm
2,2,4-Trimethylpentane	540-84-1	1.000 ppm	2.571	1.044 ppm	± 0.025 ppm
Methyl Methacrylate	80-62-6	1.000 ppm	2.571	1.049 ppm	± 0.024 ppm
Heptane	142-82-5	1.000 ppm	2.571	1.048 ppm	± 0.024 ppm
Cis-1,3-Dichloropropene	10061-01-5	1.000 ppm	2.571	1.056 ppm	± 0.028 ppm
Methyl Isobutyl Ketone	108-10-1	1.000 ppm	2.571	1.044 ppm	± 0.028 ppm
Methylcyclohexane	108-87-2	1.000 ppm	2.571	1.042 ppm	± 0.028 ppm

Linde Spectra Environmental Gases

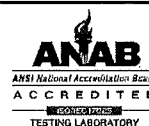
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ISO/IEC 17025



Analysis Report

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE: 4 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder # :	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Mar-27-2025	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
Trans-1,3-Dichloropropene	10061-02-6	1.000 ppm	2.571	1.053 ppm	± 0.026 ppm
1,1,2-Trichloroethane	79-00-5	1.000 ppm	2.571	1.046 ppm	± 0.023 ppm
Toluene	108-88-3	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
Methyl Butyl Ketone	591-78-6	1.000 ppm	2.571	1.057 ppm	± 0.024 ppm
Dibromochloromethane	124-48-1	1.000 ppm	2.571	1.052 ppm	± 0.023 ppm
1,2-Dibromoethane	106-93-4	1.000 ppm	2.571	1.049 ppm	± 0.023 ppm
n-Octane	111-65-9	1.000 ppm	2.571	1.056 ppm	± 0.027 ppm
Tetrachloroethylene	127-18-4	1.000 ppm	2.571	1.039 ppm	± 0.020 ppm
Chlorobenzene	108-90-7	1.000 ppm	2.571	1.051 ppm	± 0.023 ppm
Ethylbenzene	100-41-4	1.000 ppm	2.571	1.053 ppm	± 0.022 ppm
p-xylene	106-42-3	1.000 ppm	2.571	1.051 ppm	± 0.021 ppm
m-xylene	108-38-3	1.000 ppm	2.571	1.048 ppm	± 0.021 ppm
Bromoform	75-25-2	1.000 ppm	2.571	1.051 ppm	± 0.051 ppm
Styrene	100-42-5	1.000 ppm	2.571	1.056 ppm	± 0.023 ppm
o-xylene	95-47-6	1.000 ppm	2.571	1.051 ppm	± 0.022 ppm
1,1,2,2-Tetrachloroethane	79-34-5	1.000 ppm	2.571	1.051 ppm	± 0.022 ppm
1,2,3-Trichloropropane	96-18-4	1.000 ppm	2.571	1.065 ppm	± 0.031 ppm
Nonane	111-84-2	1.000 ppm	2.571	1.052 ppm	± 0.021 ppm
Cumene	98-82-8	1.000 ppm	2.571	1.057 ppm	± 0.024 ppm
2-Chlorotoluene	95-49-8	1.000 ppm	2.571	1.063 ppm	± 0.031 ppm
n-Propylbenzene	103-65-1	1.000 ppm	2.571	1.057 ppm	± 0.031 ppm
4-Ethyltoluene	622-96-8	1.000 ppm	2.571	1.052 ppm	± 0.039 ppm
1,3,5-Trimethylbenzene	108-67-8	1.000 ppm	2.571	1.053 ppm	± 0.045 ppm
alpha-Methyl Styrene	98-83-9	1.000 ppm	2.571	1.081 ppm	± 0.045 ppm
Tert-Butyl Benzene	98-06-6	1.000 ppm	2.571	1.062 ppm	± 0.048 ppm
1,2,4-Trimethylbenzene	95-63-6	1.000 ppm	2.571	1.069 ppm	± 0.048 ppm
1,3-Dichlorobenzene	541-73-1	1.000 ppm	2.571	1.086 ppm	± 0.050 ppm

Linde Spectra Environmental Gases

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ISO/IEC 17025



Analysis Report

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE: 5 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder # :	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Mar-27-2025	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
Benzyl Chloride	100-44-7	1.000 ppm	2.571	1.078 ppm	± 0.049 ppm
n-Decane	124-18-5	1.000 ppm	2.571	1.080 ppm	± 0.049 ppm
1,4-Dichlorobenzene	106-46-7	1.000 ppm	2.571	1.087 ppm	± 0.048 ppm
Sec-Butyl Benzene	135-98-8	1.000 ppm	2.571	1.067 ppm	± 0.051 ppm
4-Isopropyltoluene	99-87-6	1.000 ppm	2.571	1.077 ppm	± 0.056 ppm
1,2-Dichlorobenzene	95-50-1	1.000 ppm	2.571	1.080 ppm	± 0.047 ppm
n-Butyl Benzene	104-51-8	1.000 ppm	2.571	1.092 ppm	± 0.059 ppm
n-Undecane	1120-21-4	1.000 ppm	2.571	1.074 ppm	± 0.058 ppm
1,2,4-Trichlorobenzene	120-82-1	1.000 ppm	2.571	1.173 ppm	± 0.068 ppm
Naphthalene	91-20-3	1.000 ppm	2.571	1.189 ppm	± 0.094 ppm
n-Dodecane	112-40-3	1.000 ppm	2.571	1.084 ppm	± 0.076 ppm

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ISO/IEC 17025



Analysis Report

SHIPPED TO:
Test America Inc
30 Community Dr Ste 11
South Burlington, VT 05403

PAGE: 6 of 6
Report ID: 39140
Revision: 0

Sales#:	117495978	Cylinder Size:	152 (8" X 47.5")
Production#:	1603549	Cylinder # :	CC-524925
Report Date:	Mar-27-2024	Cylinder Pressure:	2000 psig
P.O.#:	75737466	Cylinder Valve:	CGA 350 / Steel
Blend Type:	ISO-17025	Cylinder Volume:	29.5 Liter
Material#:	24104980	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	Mar-27-2025	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Method of Analysis:	GC-FID

<u>COMPONENT</u>	<u>CAS Number</u>	<u>Requested Conc</u>	<u>(k @ 95%)</u>	<u>Reported Conc</u>	<u>Uncertainty</u>
1,2,3-Trichlorobenzene	87-61-6	1.000 ppm	2.571	1.165 ppm	± 0.082 ppm
Hexachloro-1,3-Butadiene	87-68-3	1.000 ppm	2.571	1.124 ppm	± 0.064 ppm
Nitrogen	7727-37-9	Balance		Balance	

20% Blend Tolerance on Acetonitrile, Acrolein, Isopropyl Alcohol, Vinyl Acetate, Tert-Butanol, 1-Butanol, 1,2,4-Trichlorobenzene, Naphthalene, 1,2,3-Trichlorobenzene, alpha-Methylstyrene, Benzyl Chloride, and Hexachloro-1,3-Butadiene.

25% Blend Tolerance on Methanol.

No Stability Guarantee on Methanol.

ANALYST: Lou Lorenzetti

DATE: Mar-27-2024

Linde Spectra Environmental Gases

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Reagent

ATTO15XISs_00003

THE LINDE GROUP

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SHIPPED TO: Test America Inc
30 Community Drive Suite 11
South Burlington, VT 05403

PAGE: 1 of 1

CERTIFICATE OF ANALYSIS

Sales#:	113956382	Cylinder Size:	152 (8" X 47.5")
Production#:	1375442	Cylinder #:	CC-143437
Certification Date:	May-04-2016	Cylinder Pressure:	2000 psig
P.O.#:	2644671	Cylinder Valve:	CGA 350 / Steel
Blend Type:	CERTIFIED	Cylinder Volume:	29.5 Liter
Material#:	24088974	Cylinder Material:	Aluminum
Traceability:	NIST by weight	Gas Volume:	4000 Liters
Expiration Date:	May-04-2017	Blend Tolerance:	10% Relative
Do NOT use under:	150 psig	Analytical Accuracy:	5% Relative

* Exp: 6/13/25

COMPONENT	CAS NUMBER	REQUESTED CONC	CERTIFIED CONC
Bromochloromethane	74-97-5	100 ppb	108 ppb
1,4-Difluorobenzene	540-36-3	100 ppb	110 ppb
Chlorobenzene-d5	3114-55-4	100 ppb	110 ppb
4-Bromofluorobenzene	460-00-4	100 ppb	108 ppb
Nitrogen	7727-37-9	Balance	Balance



1504807

ID ATTO15XISs_00003

Exp.06/13/25 Pipd 1PB Opn.05/01/16

Internal Standard for Ins

* Recertify at 5/1/2021 by VTP

ANALYST:

Justin Kutz
Justin Kutz

DATE: May-04-2016

Linde Gas North America LLC

(908) 329-9700 Main (908) 329-9740 Fax
www.Lindeus.com

Method T015

Volatile Organic Compounds (GC/MS)
by Method T015

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-75030-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 61959-03.D
 Lab ID: LCS 200-208427/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	49.4	49.3	100	61-142	
Chlorodifluoromethane	35.4	40.6	115	60-147	
1,2-Dichlorotetrafluoroethane	69.9	68.5	98	71-141	
Chloromethane	20.6	24.0	116	56-141	
n-Butane	23.8	27.3	115	53-151	
Vinyl chloride	25.6	26.4	103	61-135	
1,3-Butadiene	22.1	22.5	102	58-139	
Bromomethane	38.8	36.5	94	72-124	
Chloroethane	26.4	30.3	115	68-130	
Bromoethene (Vinyl Bromide)	43.7	41.1	94	75-125	
Trichlorofluoromethane	56.2	54.2	96	70-129	
1,1,2-Trichlorotrifluoroethane	76.6	71.8	94	70-121	
1,1-Dichloroethene	39.6	35.2	89	68-120	
Acetone	23.7	25.7	108	54-154	
Isopropyl alcohol	24.6	30.6	124	53-142	
Carbon disulfide	31.1	29.6	95	71-138	
3-Chloropropene	31.3	33.3	106	50-150	
Methylene Chloride	34.7	35.5	102	59-137	
tert-Butyl alcohol	30.3	31.4	103	66-132	
Methyl tert-butyl ether	36.0	35.7	99	70-127	
trans-1,2-Dichloroethene	39.6	37.5	95	69-137	
n-Hexane	35.2	35.7	101	63-138	
1,1-Dichloroethane	40.5	38.0	94	66-130	
Methyl Ethyl Ketone (2-Butanone)	29.5	28.4	96	72-124	
cis-1,2-Dichloroethene	39.6	35.9	91	72-121	
Chloroform	48.8	46.4	95	73-124	
Tetrahydrofuran	29.5	30.1	102	60-149	
1,1,1-Trichloroethane	54.6	50.6	93	72-127	
Cyclohexane	34.4	33.1	96	76-124	
Carbon tetrachloride	62.9	56.7	90	71-133	
2,2,4-Trimethylpentane	46.7	46.3	99	68-131	
Benzene	31.9	29.8	93	73-119	
1,2-Dichloroethane	40.5	38.7	96	68-135	
n-Heptane	41.0	42.2	103	60-142	
Trichloroethene	53.7	47.5	88	73-122	
Methyl methacrylate	40.9	40.0	98	73-129	
1,2-Dichloropropane	46.2	44.1	96	69-128	
1,4-Dioxane	36.0	30.8	85	66-129	
Bromodichloromethane	67.0	63.9	95	75-127	
cis-1,3-Dichloropropene	45.4	45.3	100	74-125	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-75030-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 61959-03.D
 Lab ID: LCS 200-208427/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	39.6	97	58-144	
Toluene	37.7	35.4	94	75-122	
trans-1,3-Dichloropropene	45.4	45.7	101	74-128	
1,1,2-Trichloroethane	54.6	50.8	93	75-126	
Tetrachloroethene	67.8	57.4	85	70-125	
Methyl Butyl Ketone (2-Hexanone)	41.0	39.2	96	57-143	
Dibromochloromethane	85.2	80.3	94	73-125	
1,2-Dibromoethane	76.8	72.4	94	78-122	
Chlorobenzene	46.0	42.3	92	76-119	
Ethylbenzene	43.4	41.4	95	74-122	
m,p-Xylene	86.8	83.4	96	76-121	
o-Xylene	43.4	41.6	96	73-123	
Styrene	42.6	42.2	99	74-125	
Bromoform	103	102	99	53-149	
Cumene	49.1	47.4	96	73-123	
1,1,2,2-Tetrachloroethane	68.6	64.9	95	74-126	
n-Propylbenzene	49.1	47.7	97	73-127	
4-Ethyltoluene	49.2	47.7	97	75-129	
1,3,5-Trimethylbenzene	49.2	47.1	96	72-126	
2-Chlorotoluene	51.8	49.4	95	74-126	
tert-Butylbenzene	54.9	52.4	96	71-125	
1,2,4-Trimethylbenzene	49.2	47.6	97	71-129	
sec-Butylbenzene	54.9	52.9	96	70-128	
4-Isopropyltoluene	54.9	53.8	98	68-130	
1,3-Dichlorobenzene	60.1	58.5	97	69-131	
1,4-Dichlorobenzene	60.1	59.7	99	67-132	
Benzyl chloride	51.8	56.2	109	60-136	
n-Butylbenzene	54.9	56.2	102	65-137	
1,2-Dichlorobenzene	60.1	58.3	97	68-129	
1,2,4-Trichlorobenzene	74.2	82.8	112	50-150	
Hexachlorobutadiene	107	107	101	58-130	
Naphthalene	52.4	66.5	127	50-150	

Column to be used to flag recovery and RPD values
 FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-75030-1
SDG No.: _____
Lab File ID: 61959-05.D Lab Sample ID: MB 200-208427/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHX.i Date Analyzed: 09/09/2024 13:49
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-208427/3	61959-03.D	09/09/2024 11:55
RX-23	200-75030-1	61959-21.D	09/10/2024 05:16

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

Lab Name: Eurofins Burlington Job No.: 200-75030-1
SDG No.: _____
Lab File ID: 61667-01.D BFB Injection Date: 08/16/2024
Instrument ID: CHX.i BFB Injection Time: 14:49
Analysis Batch No.: 207672

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.5
75	30.0 - 66.0% of mass 95	48.7
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	0.8 (1.0) 1
174	50.0 - 120.0% of mass 95	83.9
175	4.0 - 9.0 % of mass 174	6.2 (7.4) 1
176	93.0 - 101.0% of mass 174	81.3 (96.8) 1
177	5.0 - 9.0% of mass 176	5.3 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-207672/4	61667-04.D	08/16/2024	17:42
	IC 200-207672/5	61667-05.D	08/16/2024	18:38
	IC 200-207672/7	61667-07.D	08/16/2024	20:32
	IC 200-207672/9	61667-09.D	08/16/2024	22:25
	ICIS 200-207672/10	61667-10.D	08/16/2024	23:22
	IC 200-207672/11	61667-11.D	08/17/2024	0:20
	IC 200-207672/14	61667-14.D	08/17/2024	3:13
	IC 200-207672/15	61667-15.D	08/17/2024	4:14
	ICV 200-207672/20	61667-20.D	08/17/2024	9:01

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

Lab Name: Eurofins Burlington Job No.: 200-75030-1
SDG No.: _____
Lab File ID: 61959-01.D BFB Injection Date: 09/09/2024
Instrument ID: CHX.i BFB Injection Time: 10:00
Analysis Batch No.: 208427

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.9
75	30.0 - 66.0% of mass 95	51.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 120.0% of mass 95	79.9
175	4.0 - 9.0 % of mass 174	6.1 (7.6) 1
176	93.0 - 101.0% of mass 174	77.5 (97.0) 1
177	5.0 - 9.0% of mass 176	5.1 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-208427/2	61959-02.D	09/09/2024	10:58
	LCS 200-208427/3	61959-03.D	09/09/2024	11:55
	MB 200-208427/5	61959-05.D	09/09/2024	13:49
RX-23	200-75030-1	61959-21.D	09/10/2024	5:16

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

Lab Name: Eurofins Burlington Job No.: 200-75030-1
 SDG No.: _____
 Sample No.: ICIS 200-207672/10 Date Analyzed: 08/16/2024 23:22
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 61667-10.D Heated Purge: (Y/N) N
 Calibration ID: 53334

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		79640	11.39	405561	13.22	375486	18.67
UPPER LIMIT		111496	11.72	567785	13.55	525680	19.00
LOWER LIMIT		47784	11.06	243337	12.89	225292	18.34
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 200-207672/20		84911	11.39	427465	13.22	394526	18.67

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-75030-1
 SDG No.: _____
 Sample No.: CCVIS 200-208427/2 Date Analyzed: 09/09/2024 10:58
 Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 61959-02.D Heated Purge: (Y/N) N
 Calibration ID: 53334

		BCM		DFBZ		CBNZd5		
		AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD		87842	11.38	447778	13.21	421985	18.66	
UPPER LIMIT		122979	11.71	626889	13.54	590779	18.99	
LOWER LIMIT		52705	11.05	268667	12.88	253191	18.33	
LAB SAMPLE ID		CLIENT SAMPLE ID						
LCS 200-208427/3		94471	11.39	486695	13.22	448807	18.66	
MB 200-208427/5		96993	11.39	493440	13.22	424803	18.66	
200-75030-1		RX-23	98041	11.39	494307	13.22	447957	18.66

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Client Sample ID: RX-23 Lab Sample ID: 200-75030-1

Matrix: Air Lab File ID: 61959-21.D

Analysis Method: TO-15 Date Collected: 09/06/2024 11:40

Sample wt/vol: 200 (mL) Date Analyzed: 09/10/2024 05:16

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 208427 Units: ug/m3

Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	3.3		2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	1.8	U	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.3	J	1.4	0.34
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.31
106-97-8	n-Butane	58.12	2.5		1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	6.5		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	24		12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	8.0	B	1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	7.7	J	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.98	J	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	3.5		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.12	J	0.20	0.083
67-66-3	Chloroform	119.38	3.4		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.21	J	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-75030-1</u>
SDG No.: _____	
Client Sample ID: <u>RX-23</u>	Lab Sample ID: <u>200-75030-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>61959-21.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>09/06/2024 11:40</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>09/10/2024 05:16</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>208427</u>	Units: <u>ug/m3</u>
Preparation Batch No.: _____	Instrument ID: <u>CHX.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	9.9		0.93	0.18
71-43-2	Benzene	78.11	1.7		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	2.0		0.82	0.23
79-01-6	Trichloroethene	131.39	0.54		0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.2		2.0	0.53
108-88-3	Toluene	92.14	9.0		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	3.1		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.67	J	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	3.2		0.87	0.30
179601-23-1	m,p-Xylene	106.17	11		2.2	0.41
95-47-6	o-Xylene	106.17	3.2		0.87	0.27
100-42-5	Styrene	104.15	0.56	J	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.38	J	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.82	J	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.98		0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.62	J	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75030-1
 SDG No.: _____
 Client Sample ID: RX-23 Lab Sample ID: 200-75030-1
 Matrix: Air Lab File ID: 61959-21.D
 Analysis Method: TO-15 Date Collected: 09/06/2024 11:40
 Sample wt/vol: 200 (mL) Date Analyzed: 09/10/2024 05:16
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
 % Moisture: _____ % Solids: _____ Level: (low/med) Low
 Analysis Batch No.: 208427 Units: ug/m3
 Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	2.4		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Client Sample ID: RX-23 Lab Sample ID: 200-75030-1

Matrix: Air Lab File ID: 61959-21.D

Analysis Method: TO-15 Date Collected: 09/06/2024 11:40

Sample wt/vol: 200 (mL) Date Analyzed: 09/10/2024 05:16

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 208427 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.66		0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.50	U	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.19	J	0.20	0.048
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.15
106-97-8	n-Butane	58.12	1.1		0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	1.2		0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	10		5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	2.6	B	0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	2.5	J	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.28	J	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.2		0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.029	J	0.050	0.021
67-66-3	Chloroform	119.38	0.70		0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.060	J	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.022

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-75030-1</u>
SDG No.: _____	
Client Sample ID: <u>RX-23</u>	Lab Sample ID: <u>200-75030-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>61959-21.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>09/06/2024 11:40</u>
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>09/10/2024 05:16</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>208427</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHX.i</u>

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	2.1		0.20	0.038
71-43-2	Benzene	78.11	0.53		0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	0.50		0.20	0.055
79-01-6	Trichloroethene	131.39	0.10		0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.54		0.50	0.13
108-88-3	Toluene	92.14	2.4		0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	0.46		0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.16	J	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.74		0.20	0.069
179601-23-1	m,p-Xylene	106.17	2.6		0.50	0.095
95-47-6	o-Xylene	106.17	0.73		0.20	0.063
100-42-5	Styrene	104.15	0.13	J	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.076	J	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.17	J	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.20		0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.13	J	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75030-1
 SDG No.: _____
 Client Sample ID: RX-23 Lab Sample ID: 200-75030-1
 Matrix: Air Lab File ID: 61959-21.D
 Analysis Method: TO-15 Date Collected: 09/06/2024 11:40
 Sample wt/vol: 200 (mL) Date Analyzed: 09/10/2024 05:16
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
 % Moisture: _____ % Solids: _____ Level: (low/med) Low
 Analysis Batch No.: 208427 Units: ppb v/v
 Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.48		0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.38	U	0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D
 Lims ID: 200-75030-A-1
 Client ID: RX-23
 Sample Type: Client
 Inject. Date: 10-Sep-2024 05:16:30 ALS Bottle#: 20 Worklist Smp#: 21
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0061959-021
 Misc. Info.: 75030-1
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 10-Sep-2024 17:13:25 Calib Date: 17-Aug-2024 04:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: F7XK

Date: 10-Sep-2024 17:13:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
3 Dichlorodifluoromethane	85	4.329	4.333	0.000	99	21322	0.6579	
4 Chlorodifluoromethane	51	4.372	4.376	0.000	94	1982	0.1012	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.692	4.686	0.010	95	6628	0.1856	
6 Chloromethane	50	4.799	4.804	-0.001	1	767	0.0638	
7 Vinyl chloride	62		5.104				ND	
8 Butane	43	5.110	5.109	0.006	89	33760	1.06	
9 Butadiene	54		5.217				ND	MU
10 Bromomethane	94		5.918				ND	
12 Chloroethane	64		6.174				ND	
14 Vinyl bromide	106		6.602				ND	
15 Trichlorofluoromethane	101	6.774	6.769	0.011	98	38114	1.16	
20 1,1-Dichloroethene	96		7.822				ND	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.865	7.865	0.005	33	1208	0.0402	M
22 Acetone	43	7.945	7.931	0.021	99	267008	10.1	
24 Carbon disulfide	76	8.223	8.226	0.005	100	123012	2.56	
23 Isopropyl alcohol	45	8.293	8.258	0.043	99	18398	0.6192	
27 3-Chloro-1-propene	41		8.512				ND	MU
28 Methylene Chloride	49	8.748	8.750	0.006	92	1640	0.0698	
29 2-Methyl-2-propanol	59	9.074	9.040	0.043	97	87121	2.53	
32 trans-1,2-Dichloroethene	61		9.234				ND	
31 Methyl tert-butyl ether	73		9.261				ND	
34 Hexane	57	9.737	9.741	0.005	94	8371	0.2793	
36 1,1-Dichloroethane	63		9.989				ND	
37 2-Butanone (MEK)	72	11.005	10.978	0.037	98	10624	1.17	
38 cis-1,2-Dichloroethene	96	10.984	10.989	0.006	77	518	0.0292	
* 40 Chlorobromomethane	128	11.390	11.380	0.010	93	98041	10.0	
41 Tetrahydrofuran	42	11.492	11.492	0.043	25	2579	0.1020	M
42 Chloroform	83	11.567	11.572	0.005	96	24585	0.7017	
43 1,1,1-Trichloroethane	97		11.861				ND	
44 Cyclohexane	84	12.000	12.000	0.000	94	1326	0.0604	M
45 Carbon tetrachloride	117	12.150	12.144	0.011	80	448	0.0132	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
46 Benzene	78	12.482	12.487	0.000	98	29106	0.5323	
47 1,2-Dichloroethane	62		12.551				ND	MU
48 Isooctane	57	12.696	12.695	0.006	99	209249	2.12	
49 n-Heptane	43	13.006	13.006	0.005	98	19985	0.4967	
* 50 1,4-Difluorobenzene	114	13.215	13.209	0.006	97	494307	10.0	
52 Trichloroethene	95	13.643	13.648	0.000	92	2317	0.1005	
55 1,2-Dichloropropane	63		14.092				ND	
56 Methyl methacrylate	69		14.188				ND	MU
57 1,4-Dioxane	88		14.268				ND	7
59 Dichlorobromomethane	83		14.557				ND	
60 cis-1,3-Dichloropropene	75		15.354				ND	
62 4-Methyl-2-pentanone (MIBK)	43	15.681	15.650	0.038	90	28646	0.5409	
63 Toluene	92	15.996	15.991	0.005	92	85644	2.40	
67 trans-1,3-Dichloropropene	75		16.408				ND	
68 1,1,2-Trichloroethane	83		16.778				ND	MU
69 Tetrachloroethene	166	16.981	16.981	0.000	93	12776	0.4590	
70 2-Hexanone	43	17.243	17.222	0.021	89	7952	0.1637	
71 Chlorodibromomethane	129		17.516				ND	
72 Ethylene Dibromide	107		17.751				ND	
* 73 Chlorobenzene-d5	117	18.661	18.661	0.000	91	447957	10.0	
74 Chlorobenzene	112		18.719				ND	
75 Ethylbenzene	91	18.907	18.907	0.000	99	59517	0.7368	
76 m-Xylene & p-Xylene	106	19.163	19.169	-0.006	0	77320	2.57	
79 o-Xylene	106	19.939	19.939	0.000	98	20836	0.7326	
80 Styrene	104	19.977	19.977	0.000	84	6011	0.1318	M
81 Bromoform	173		20.330				ND	
82 Isopropylbenzene	105	20.651	20.645	0.006	96	6607	0.0763	
83 1,1,2,2-Tetrachloroethane	83		21.175				ND	MU
85 N-Propylbenzene	91	21.373	21.368	0.005	97	18430	0.1666	
86 2-Chlorotoluene	91		21.517				ND	MU
87 4-Ethyltoluene	105	21.571	21.565	0.006	98	17295	0.1998	
88 1,3,5-Trimethylbenzene	105	21.667	21.662	0.005	91	9471	0.1258	
91 tert-Butylbenzene	119		22.149				ND	
92 1,2,4-Trimethylbenzene	105	22.234	22.234	0.000	91	36723	0.4839	
93 sec-Butylbenzene	105	22.475	22.470	0.005	94	2211	0.0194	
94 1,3-Dichlorobenzene	146		22.646				ND	7
95 4-Isopropyltoluene	119	22.689	22.689	0.000	68	5155	0.0558	
96 1,4-Dichlorobenzene	146		22.785				ND	7
97 Benzyl chloride	91		22.935				ND	MU
98 n-Butylbenzene	91	23.235	23.240	-0.005	44	2364	0.0262	
99 1,2-Dichlorobenzene	146		23.272				ND	
102 1,2,4-Trichlorobenzene	180		25.658				ND	
103 Hexachlorobutadiene	225		25.904				ND	
104 Naphthalene	128	26.129	26.123	0.006	95	3886	0.0670	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 10-Sep-2024 17:13:25

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Worklist Smp#: 21

Client ID: RX-23

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

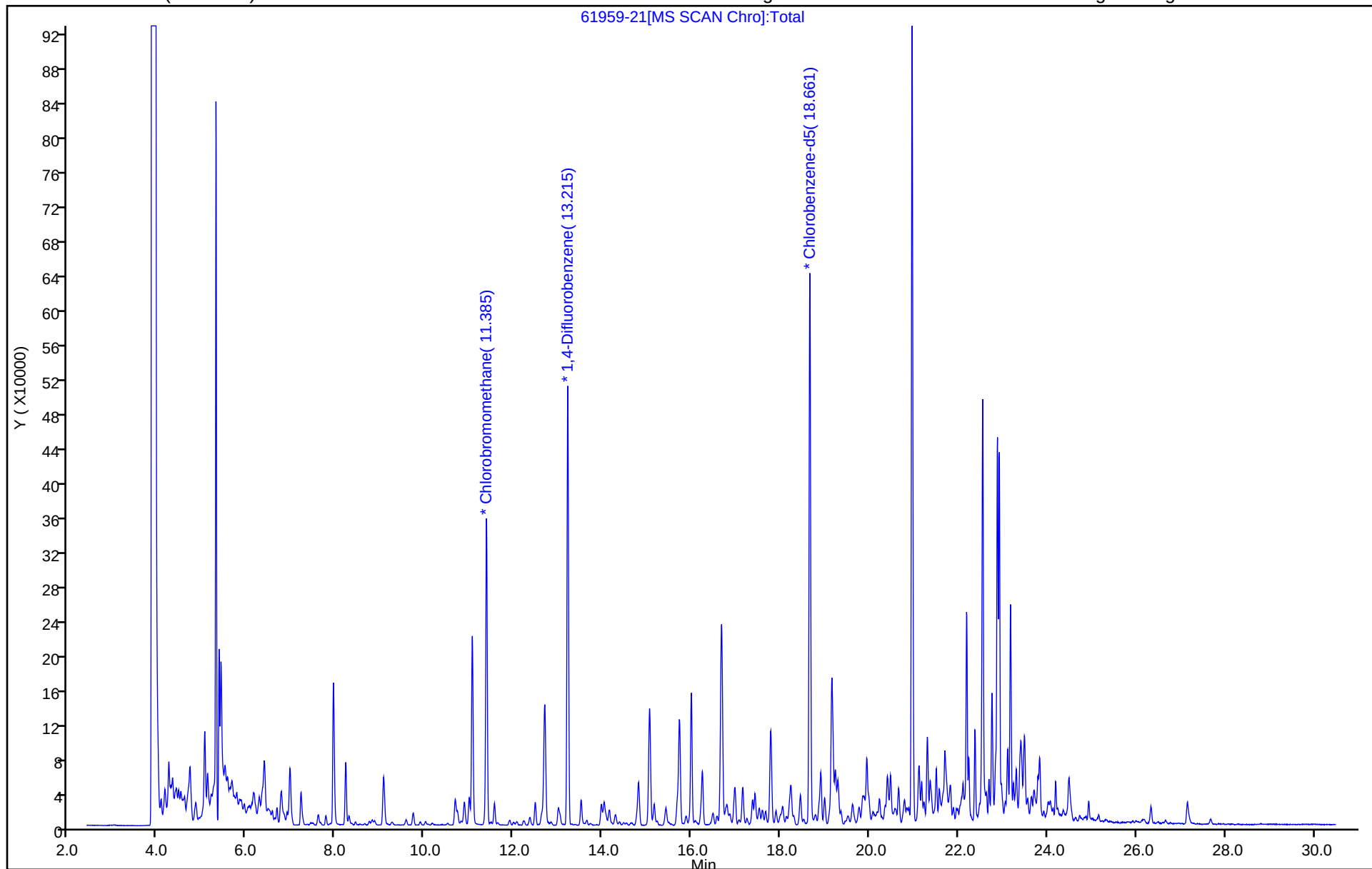
ALS Bottle#: 20

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

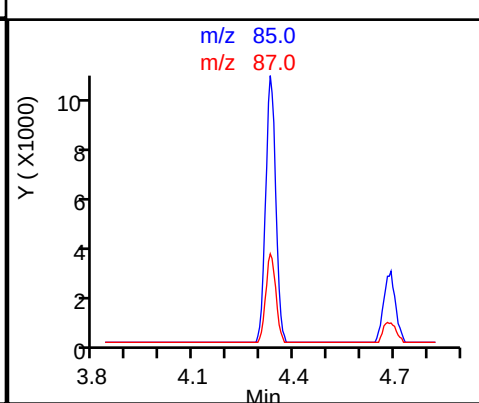
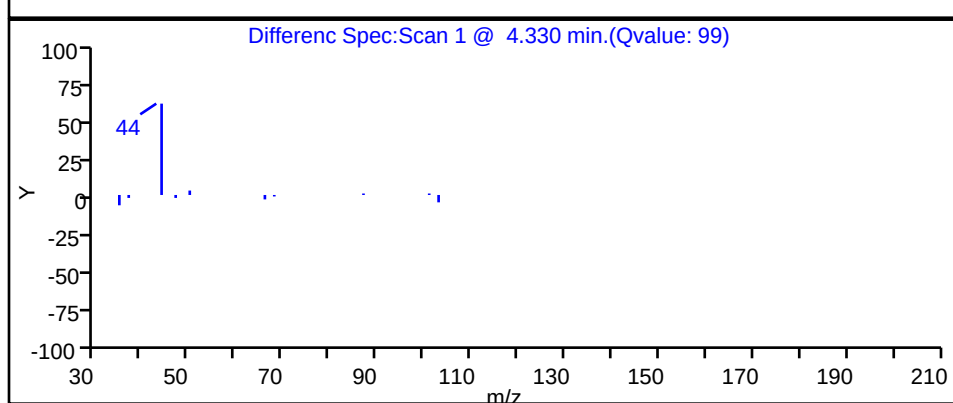
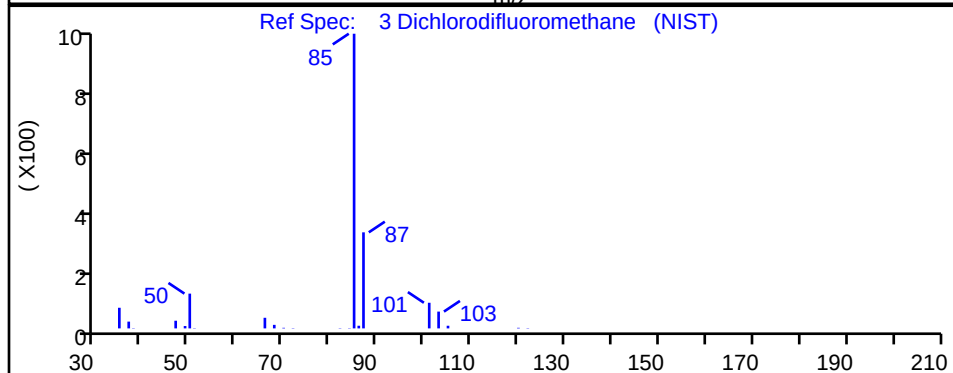
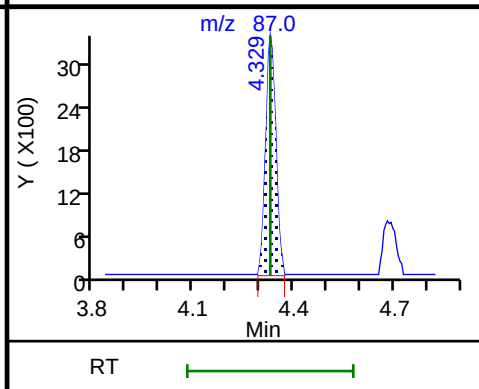
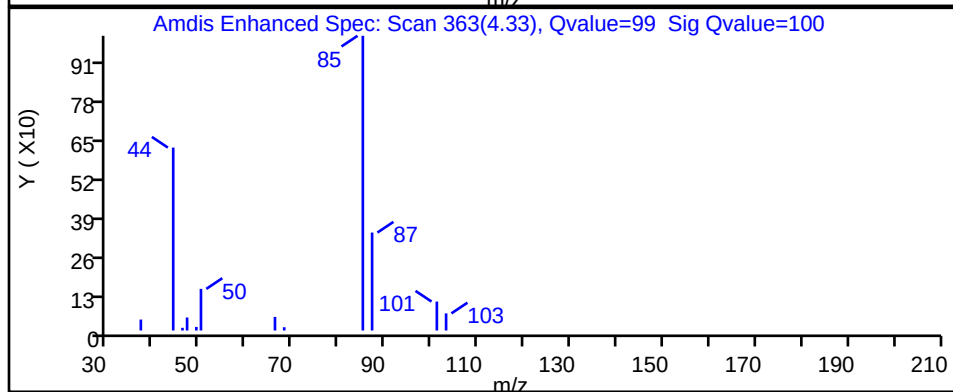
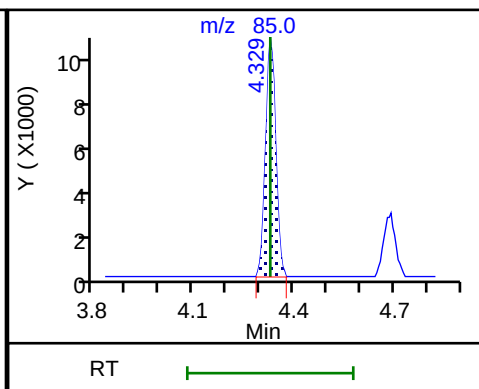
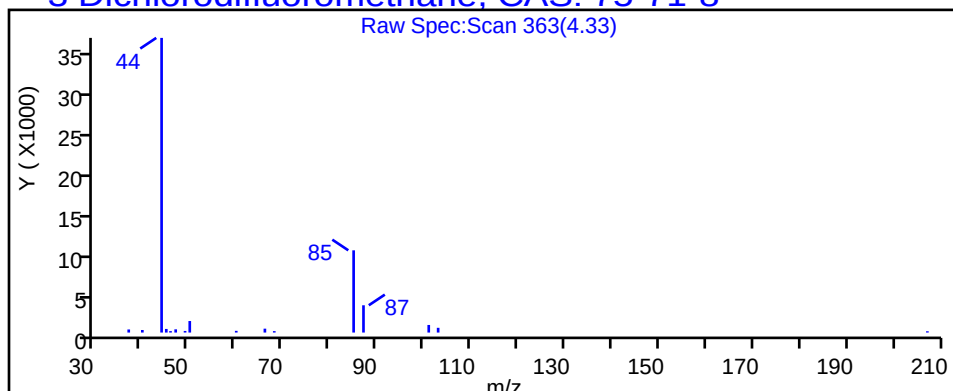
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

3 Dichlorodifluoromethane, CAS: 75-71-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

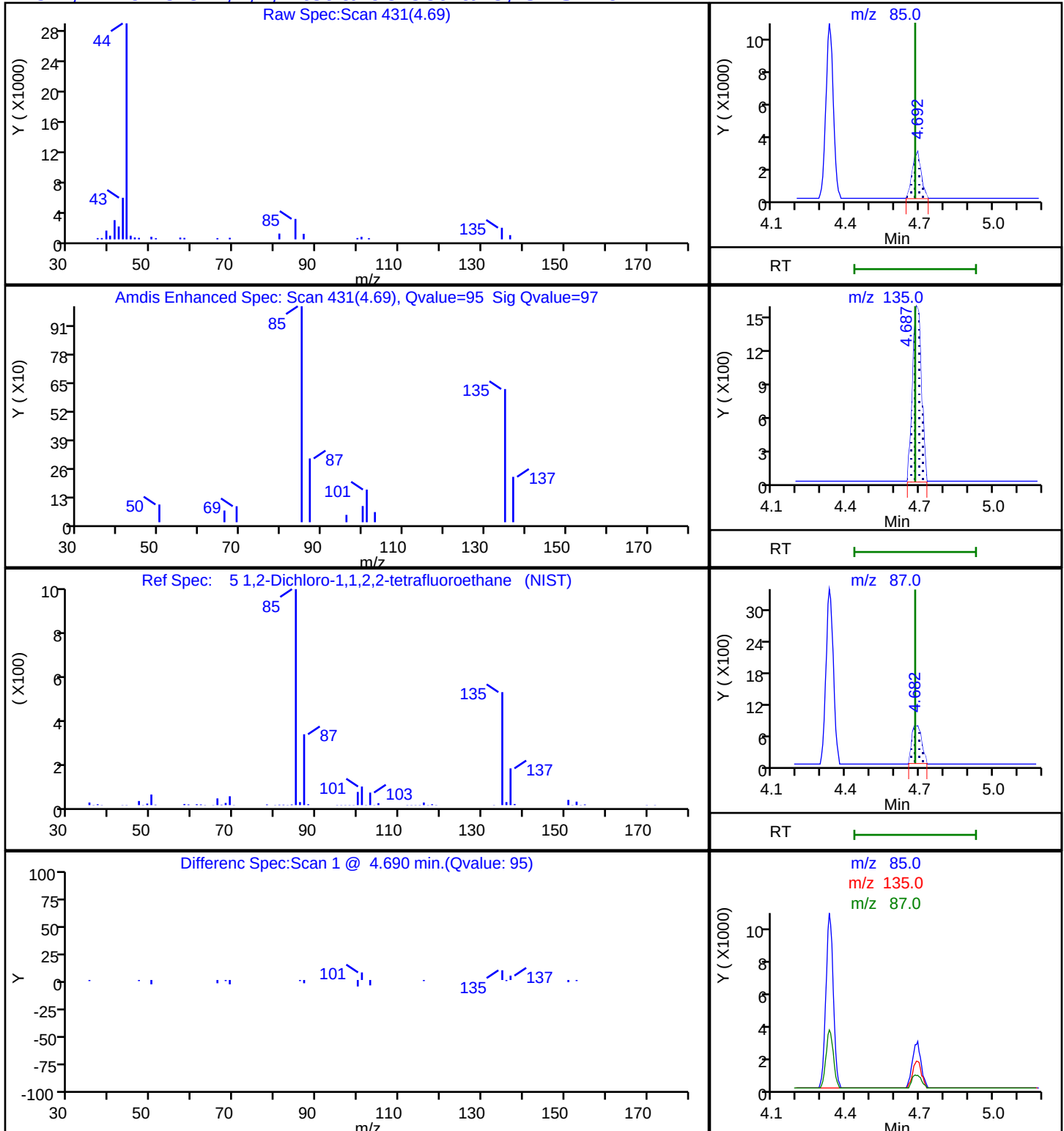
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

5 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

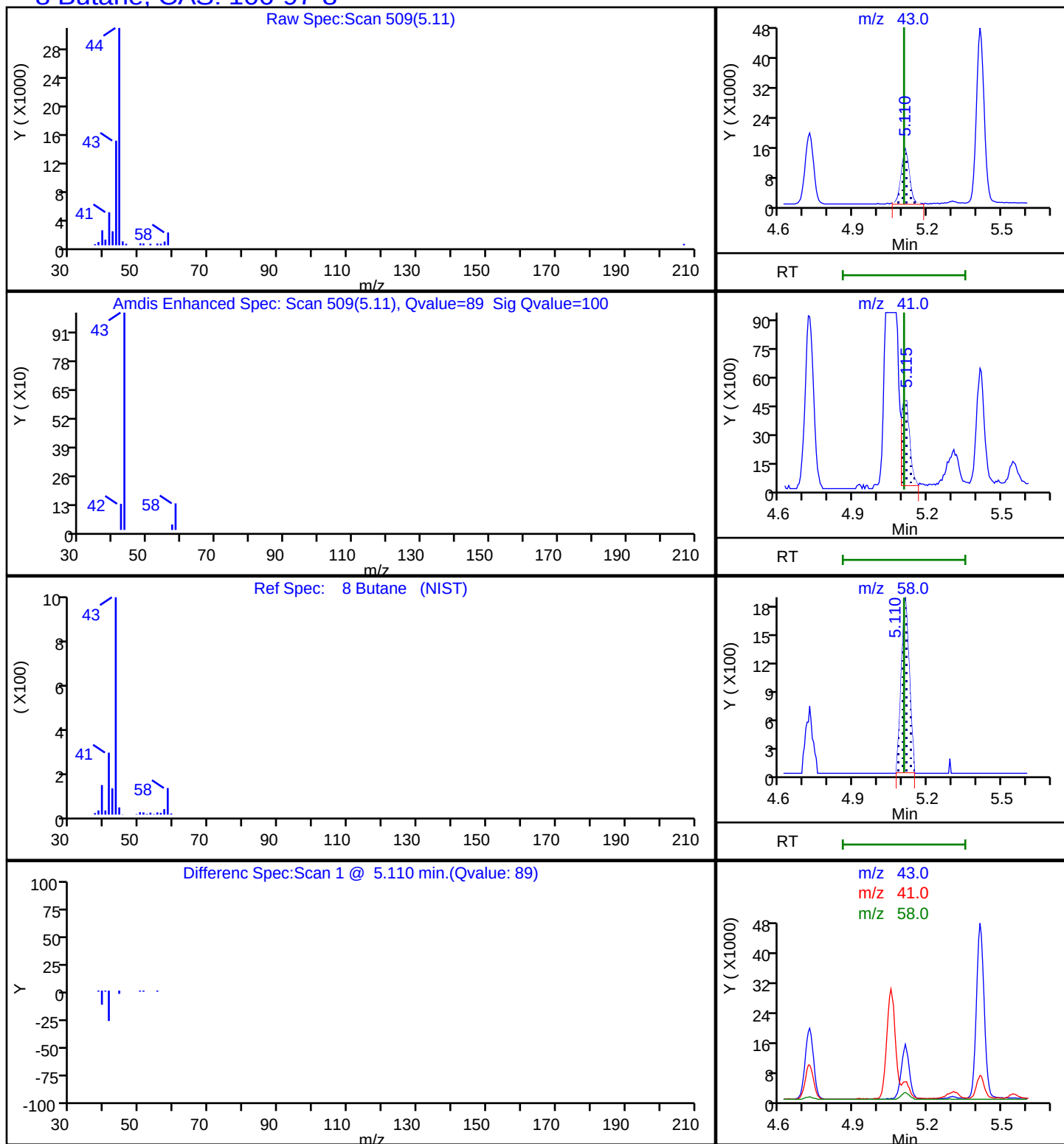
Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

8 Butane, CAS: 106-97-8



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

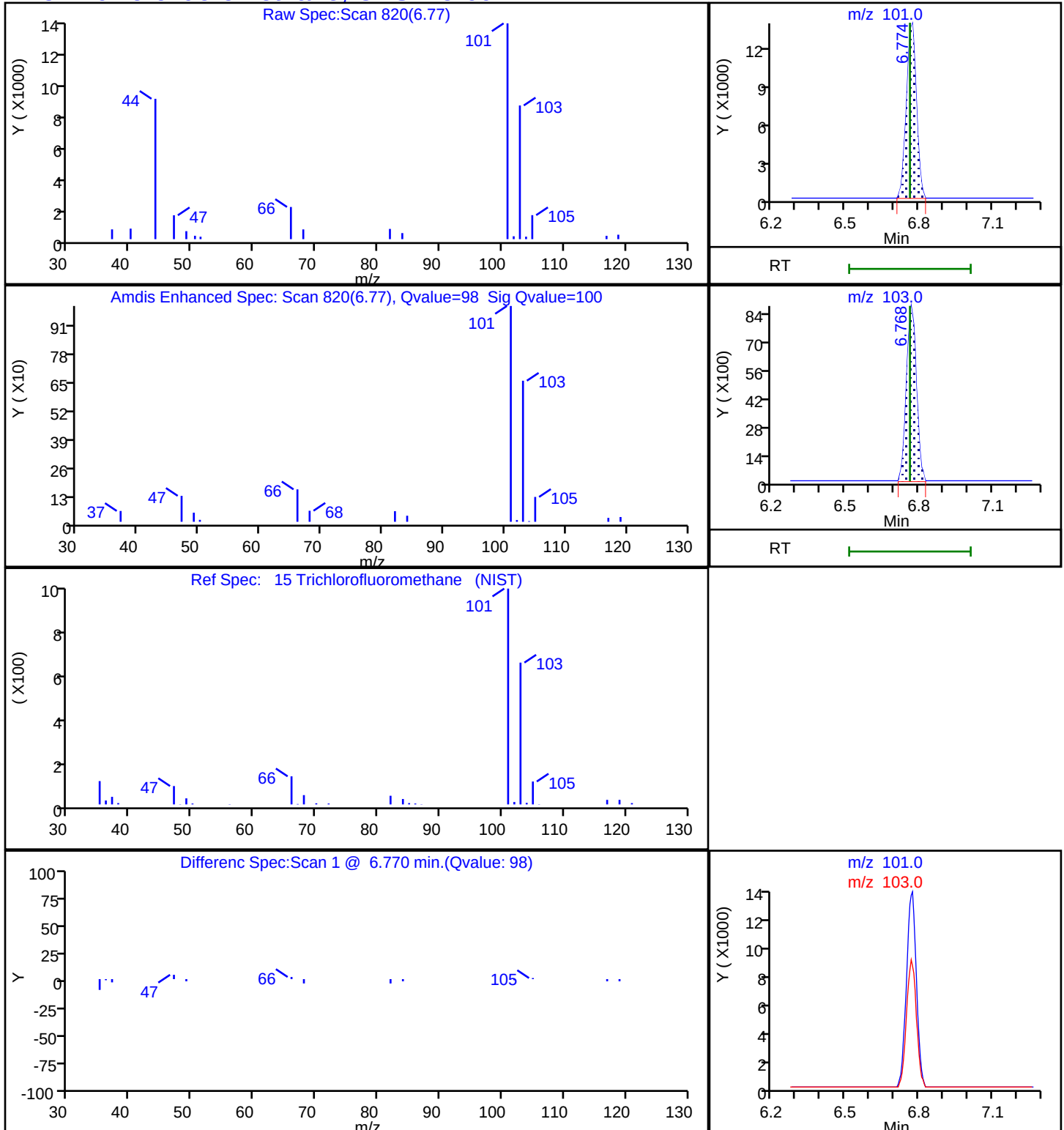
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

15 Trichlorofluoromethane, CAS: 75-69-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

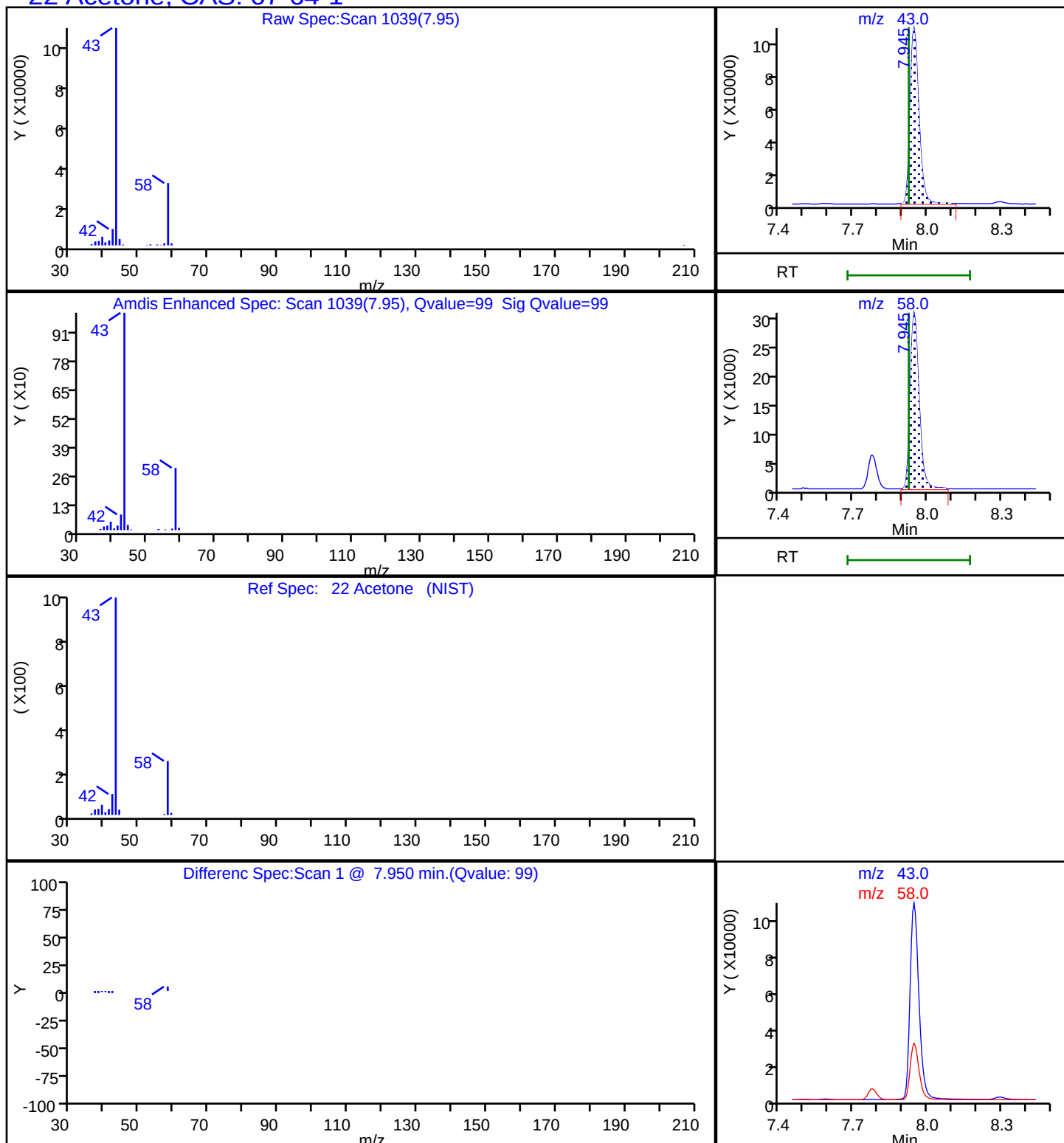
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

22 Acetone, CAS: 67-64-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

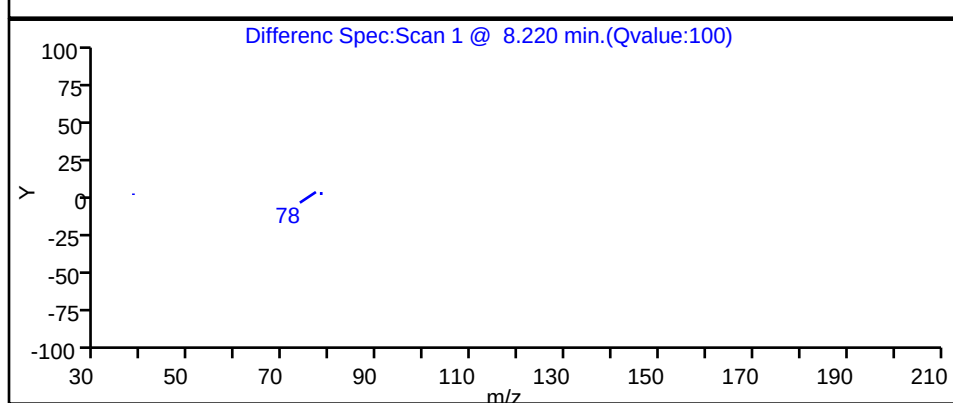
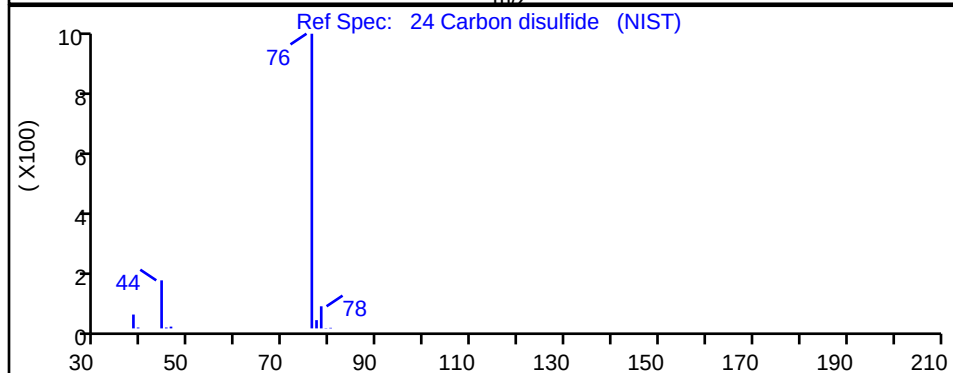
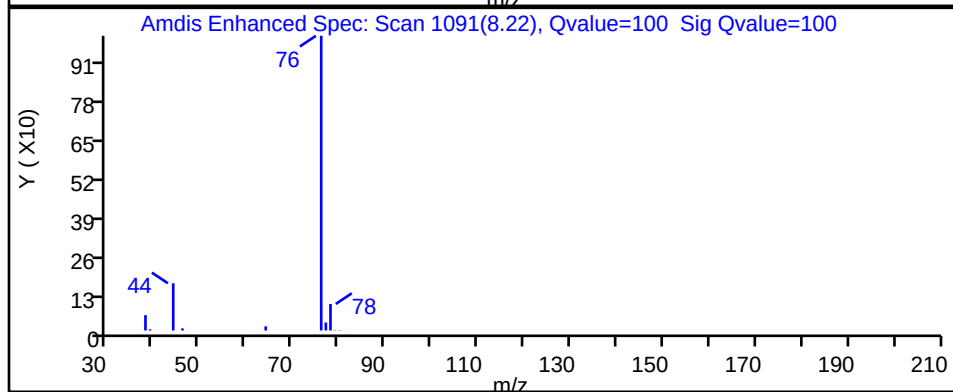
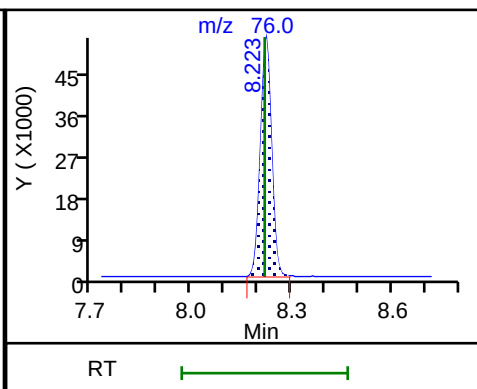
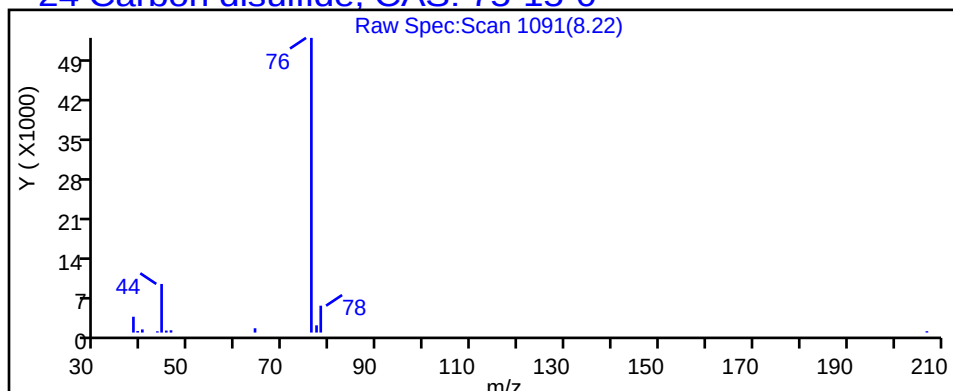
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Carbon disulfide, CAS: 75-15-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

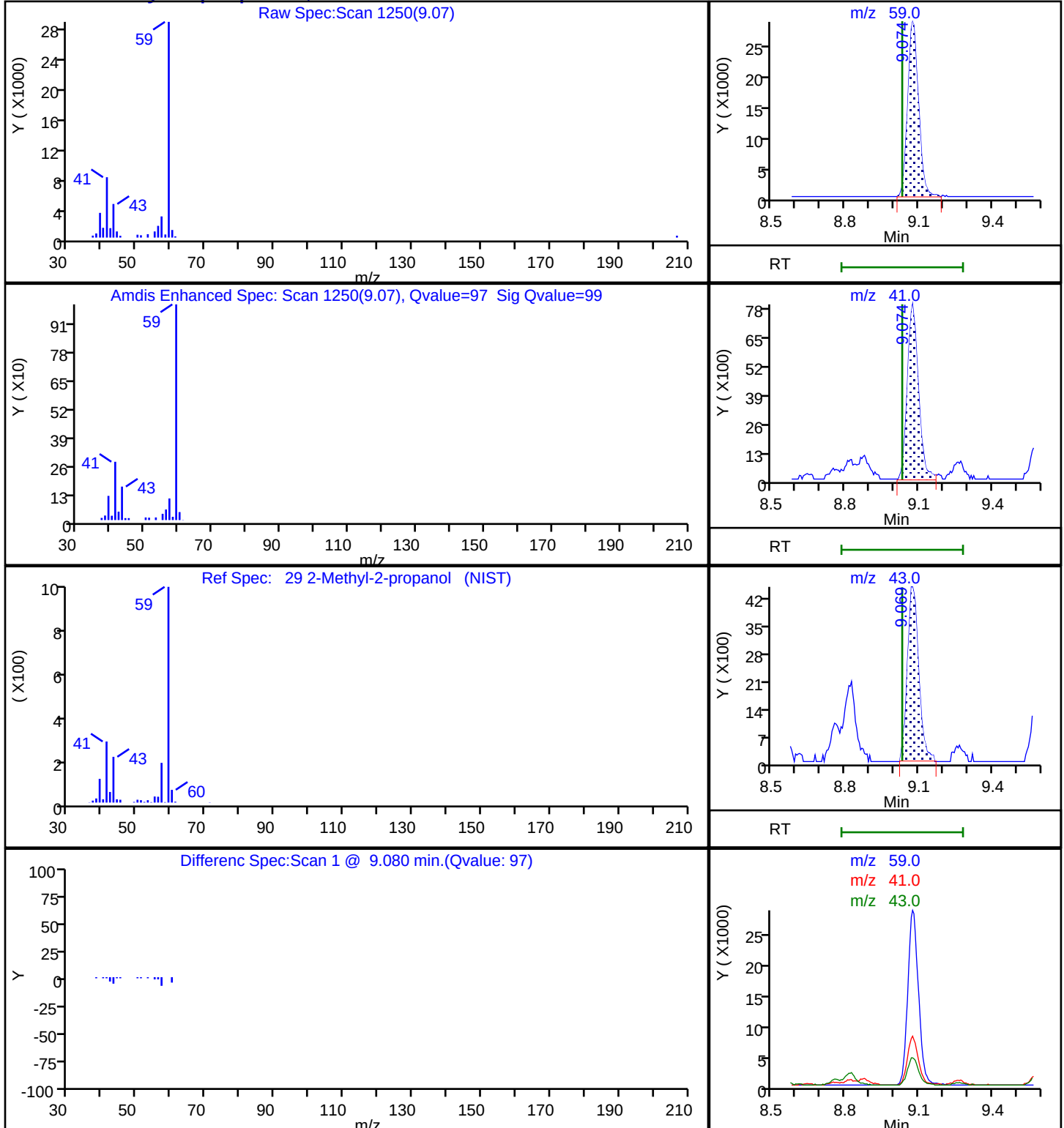
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

29 2-Methyl-2-propanol, CAS: 75-65-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

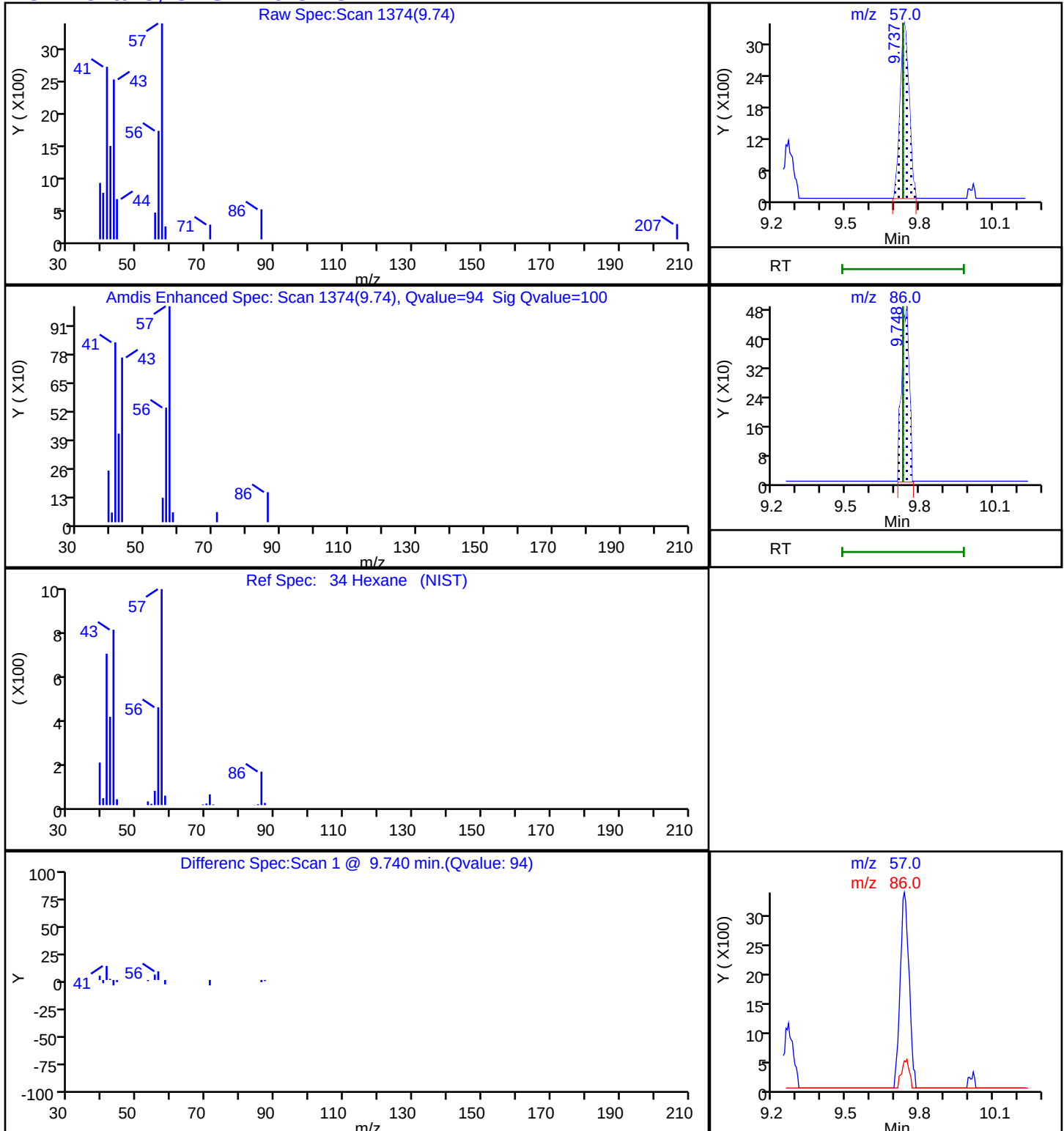
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

34 Hexane, CAS: 110-54-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

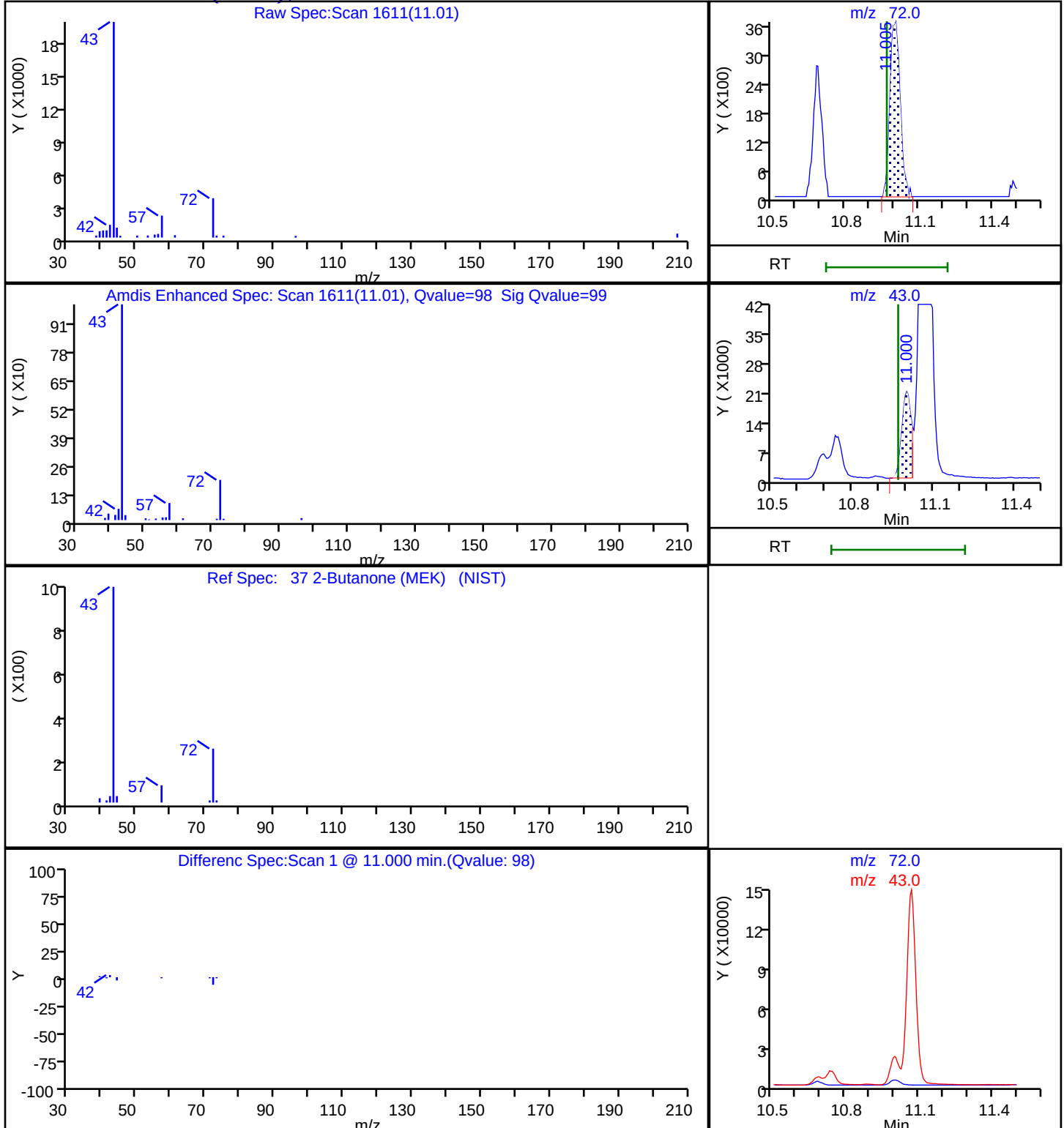
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

37 2-Butanone (MEK), CAS: 78-93-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

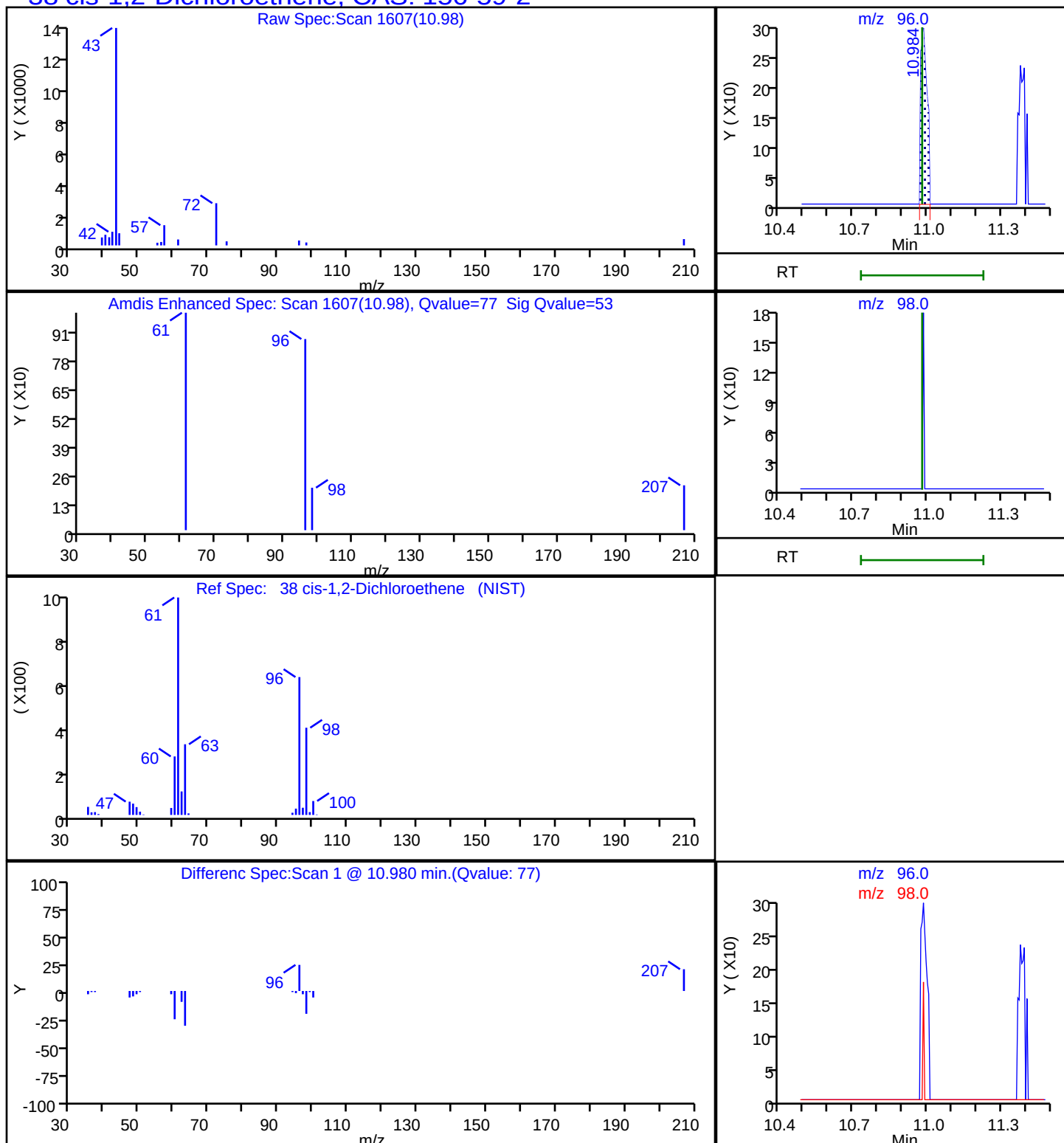
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

38 cis-1,2-Dichloroethene, CAS: 156-59-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

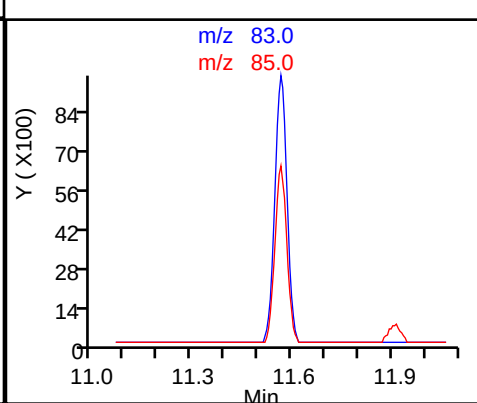
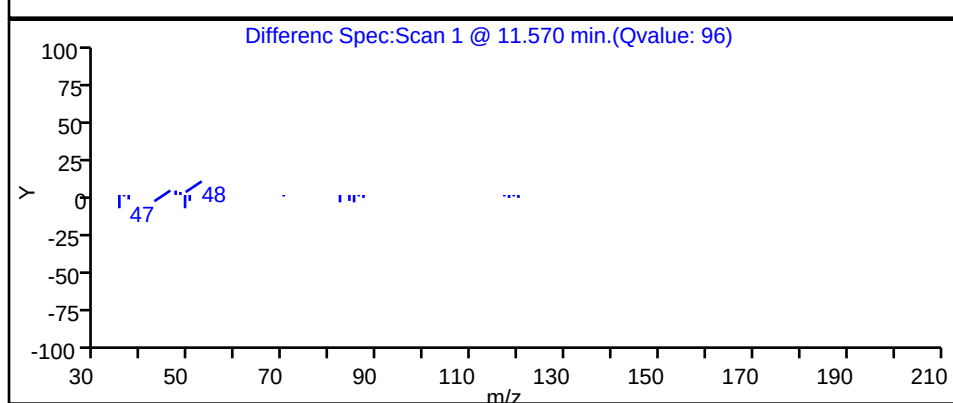
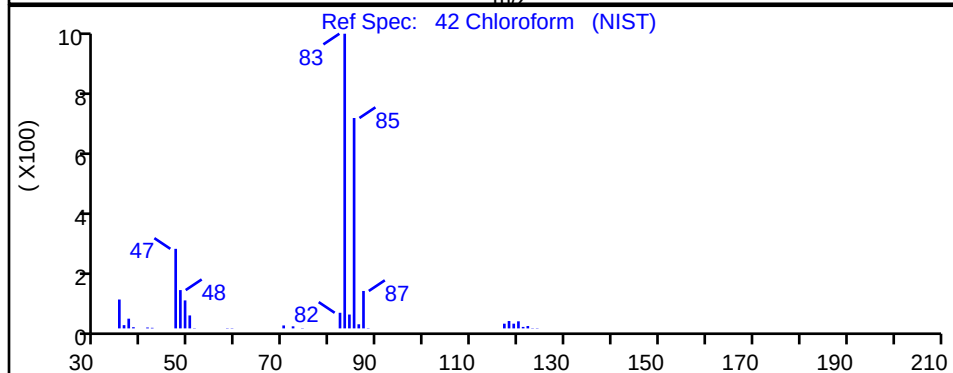
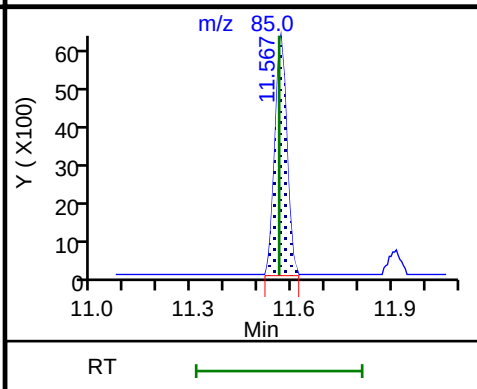
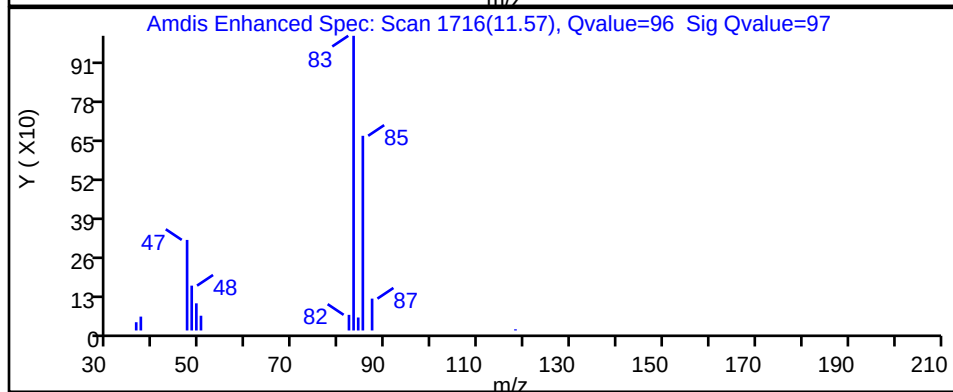
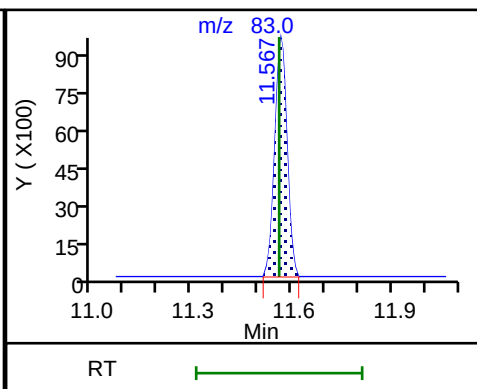
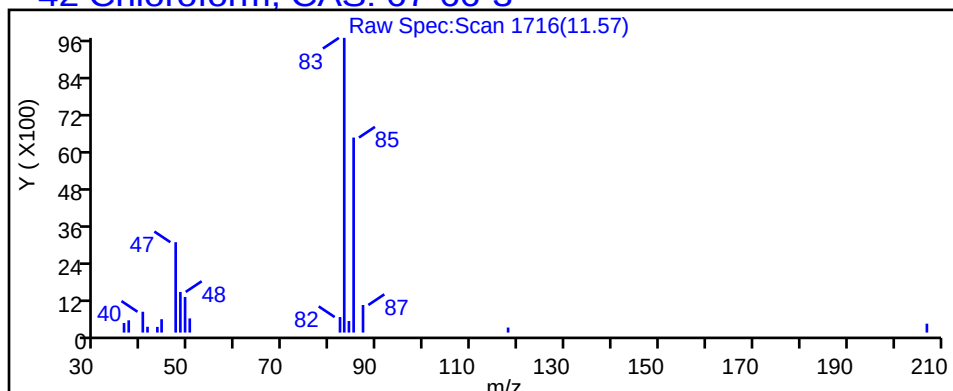
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

42 Chloroform, CAS: 67-66-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

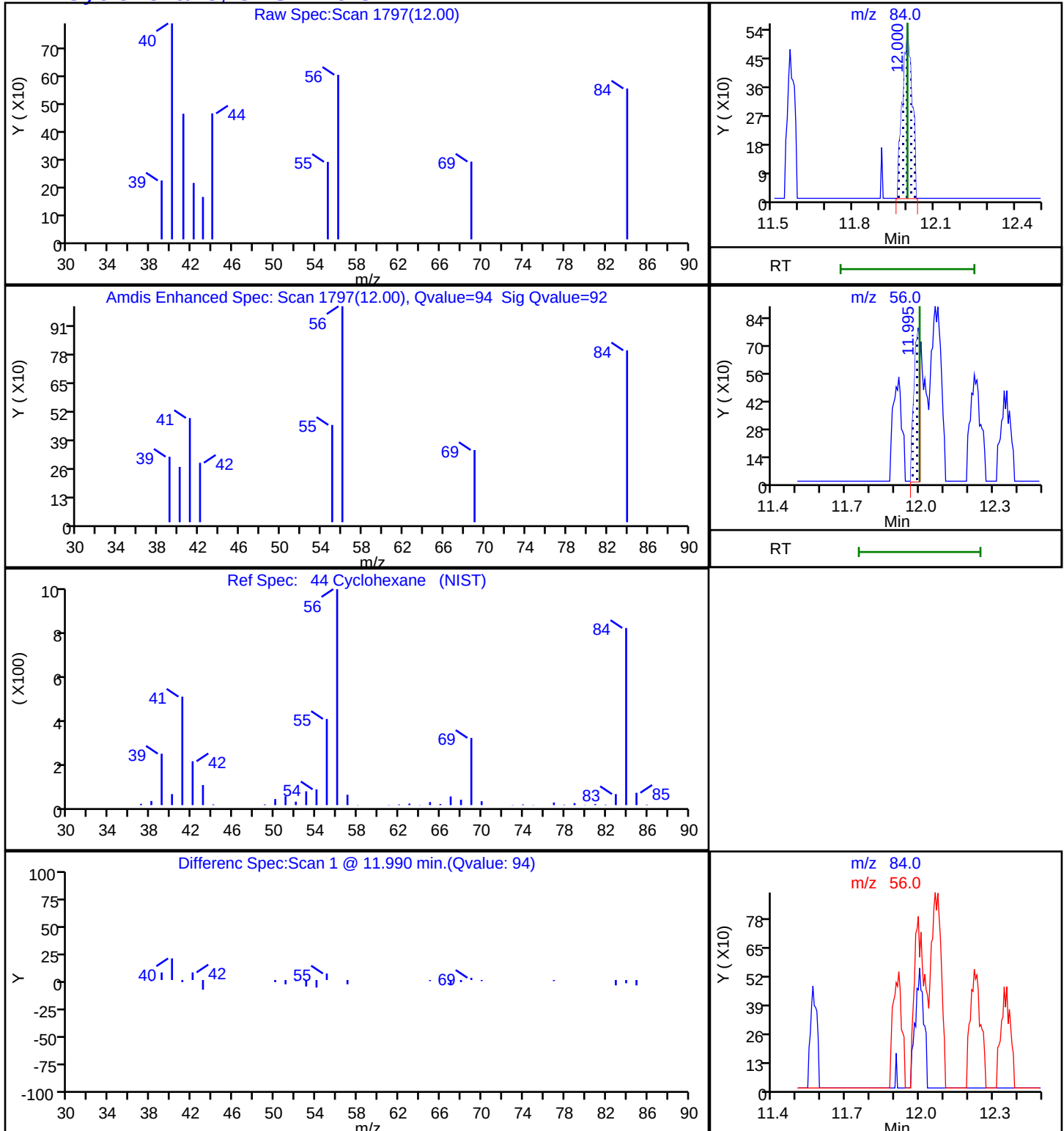
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

44 Cyclohexane, CAS: 110-82-7

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

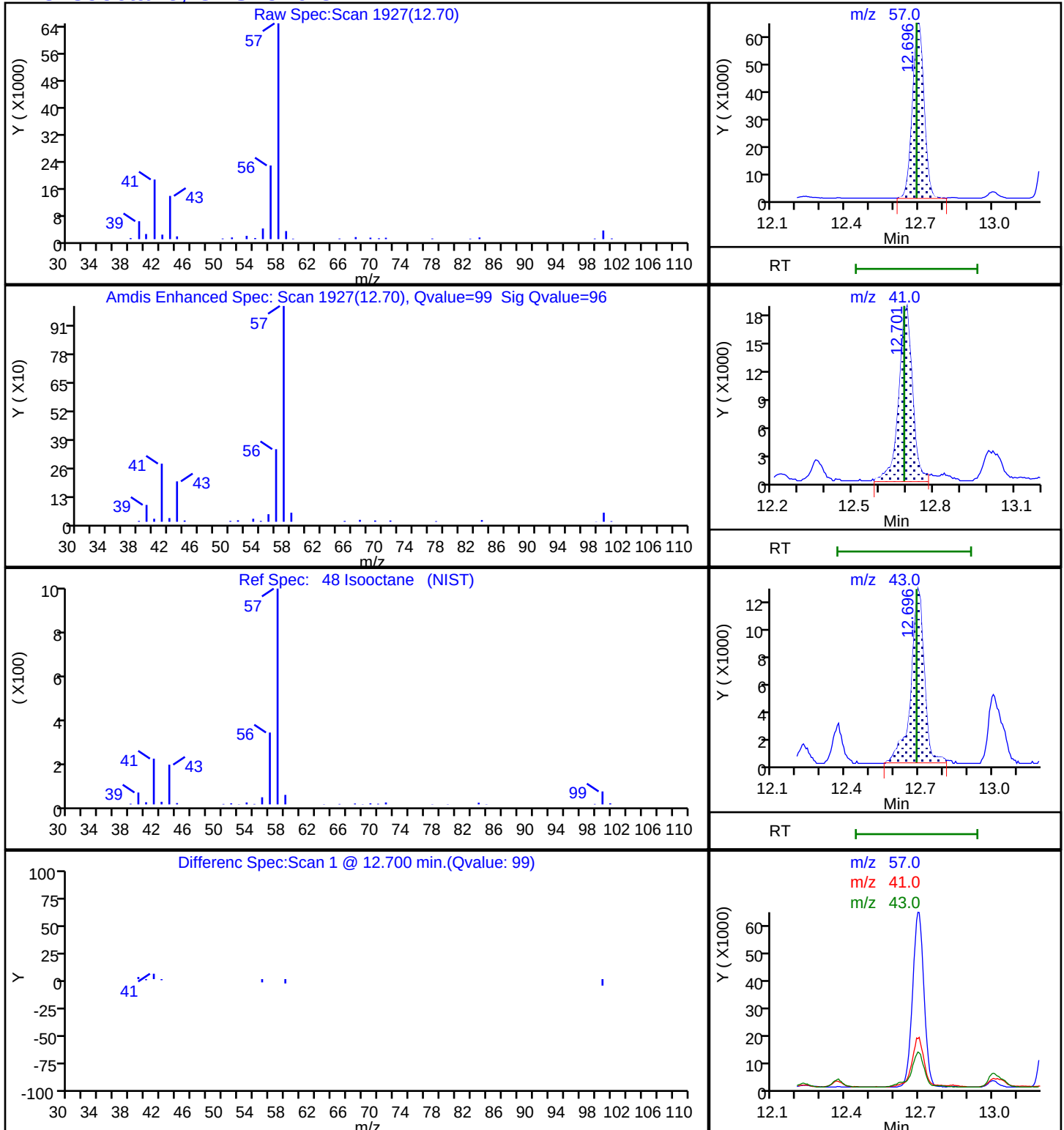
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

48 Isooctane, CAS: 540-84-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

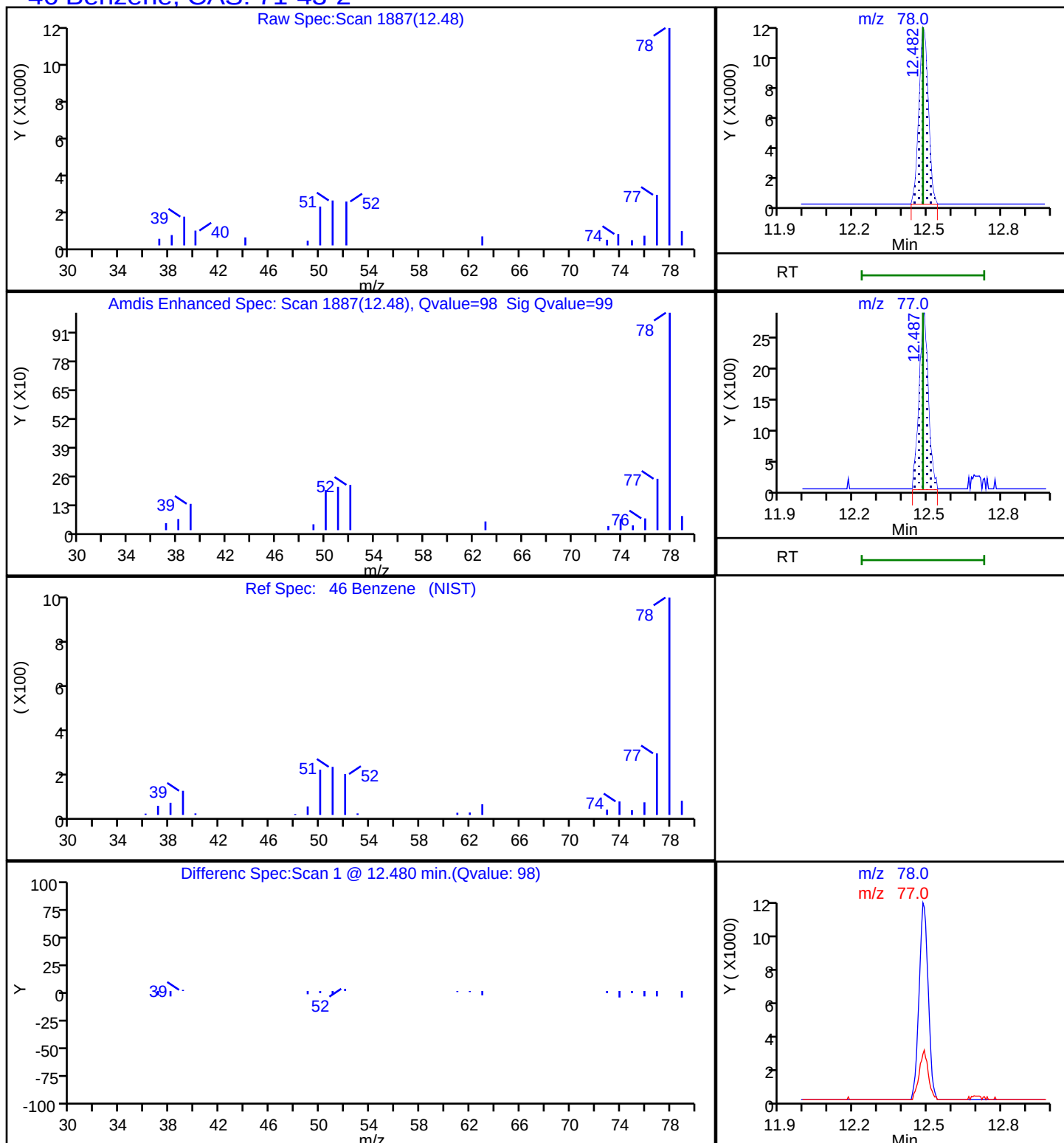
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

46 Benzene, CAS: 71-43-2

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

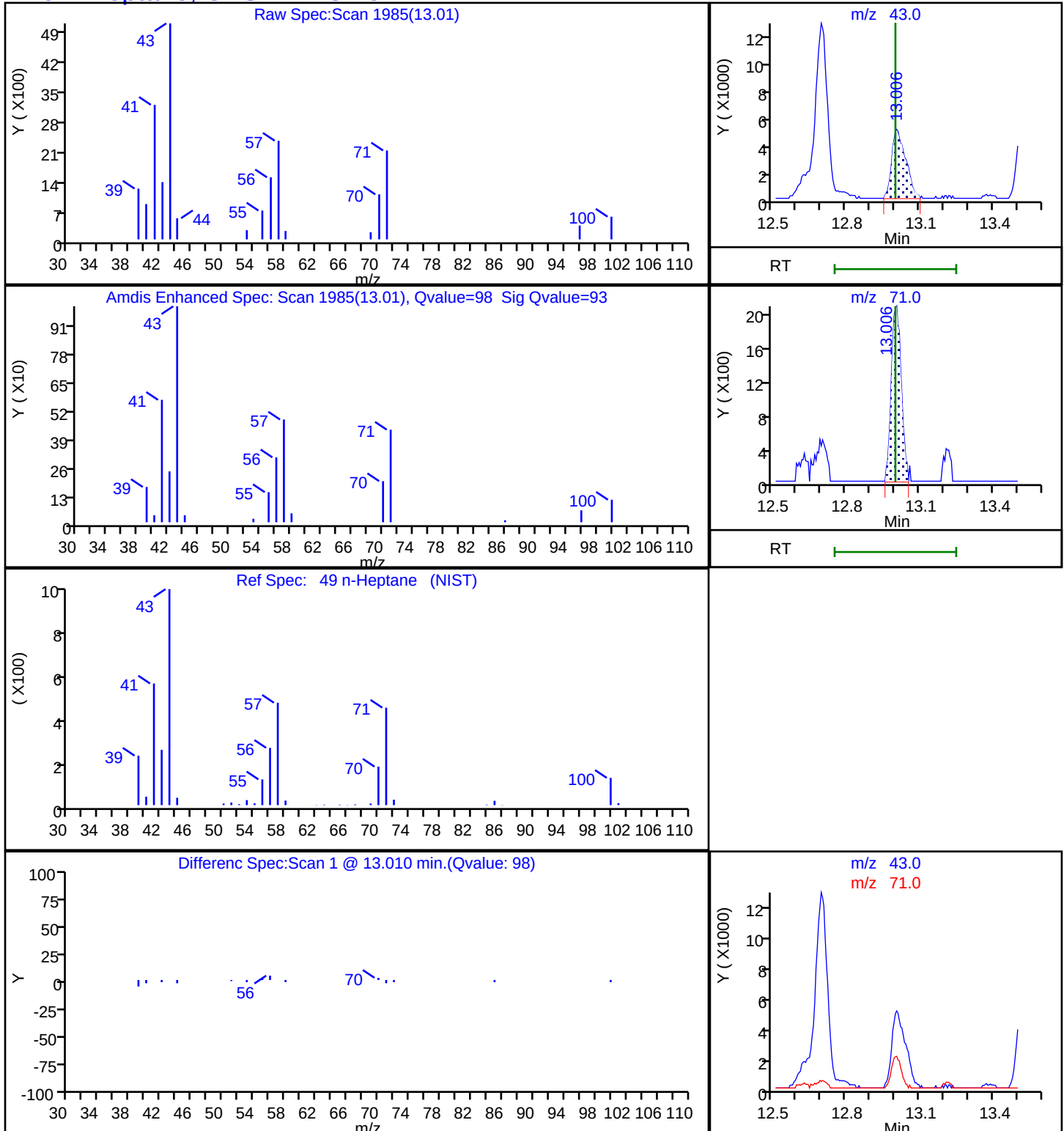
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

49 n-Heptane, CAS: 142-82-5

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

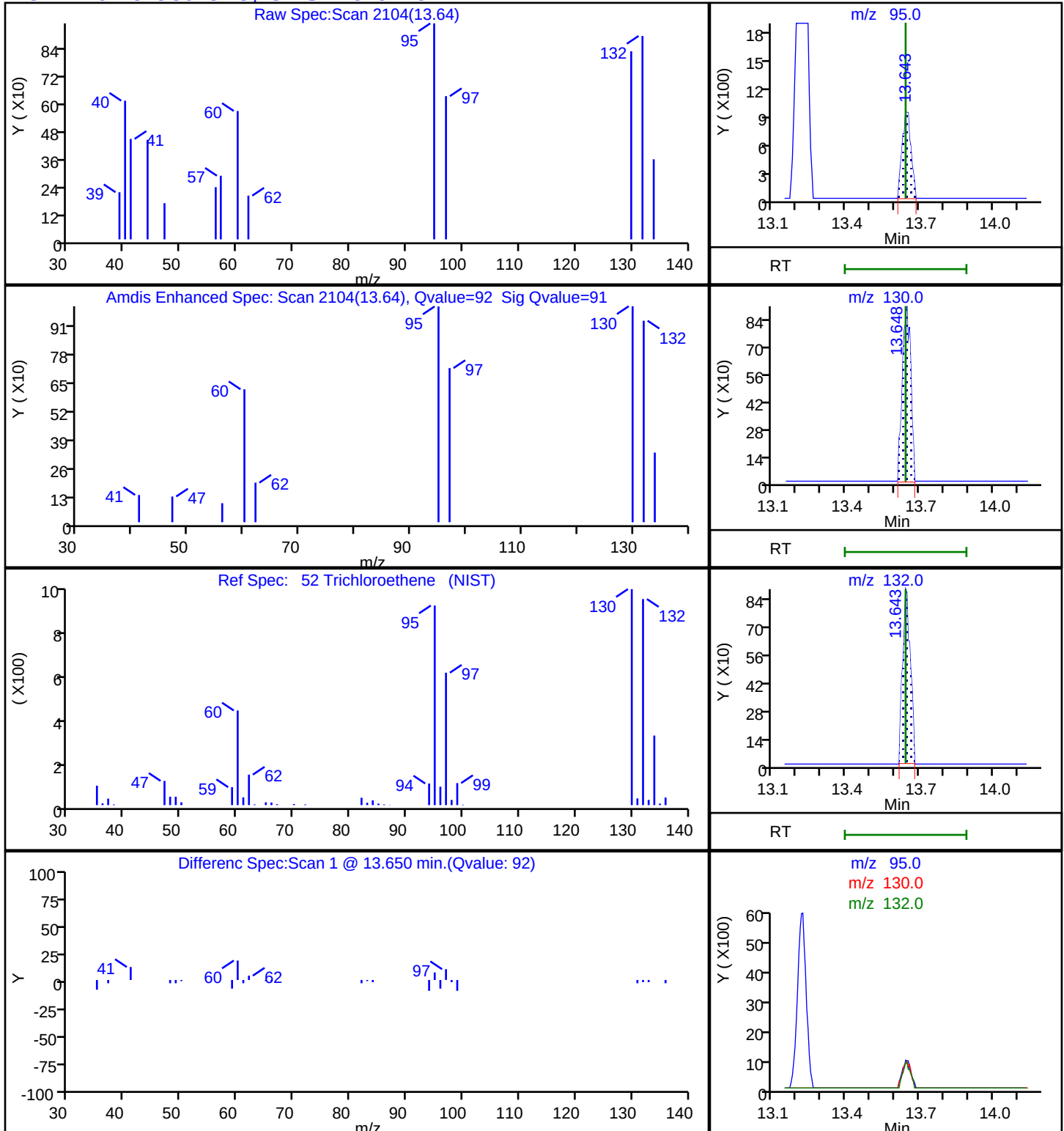
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

52 Trichloroethene, CAS: 79-01-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

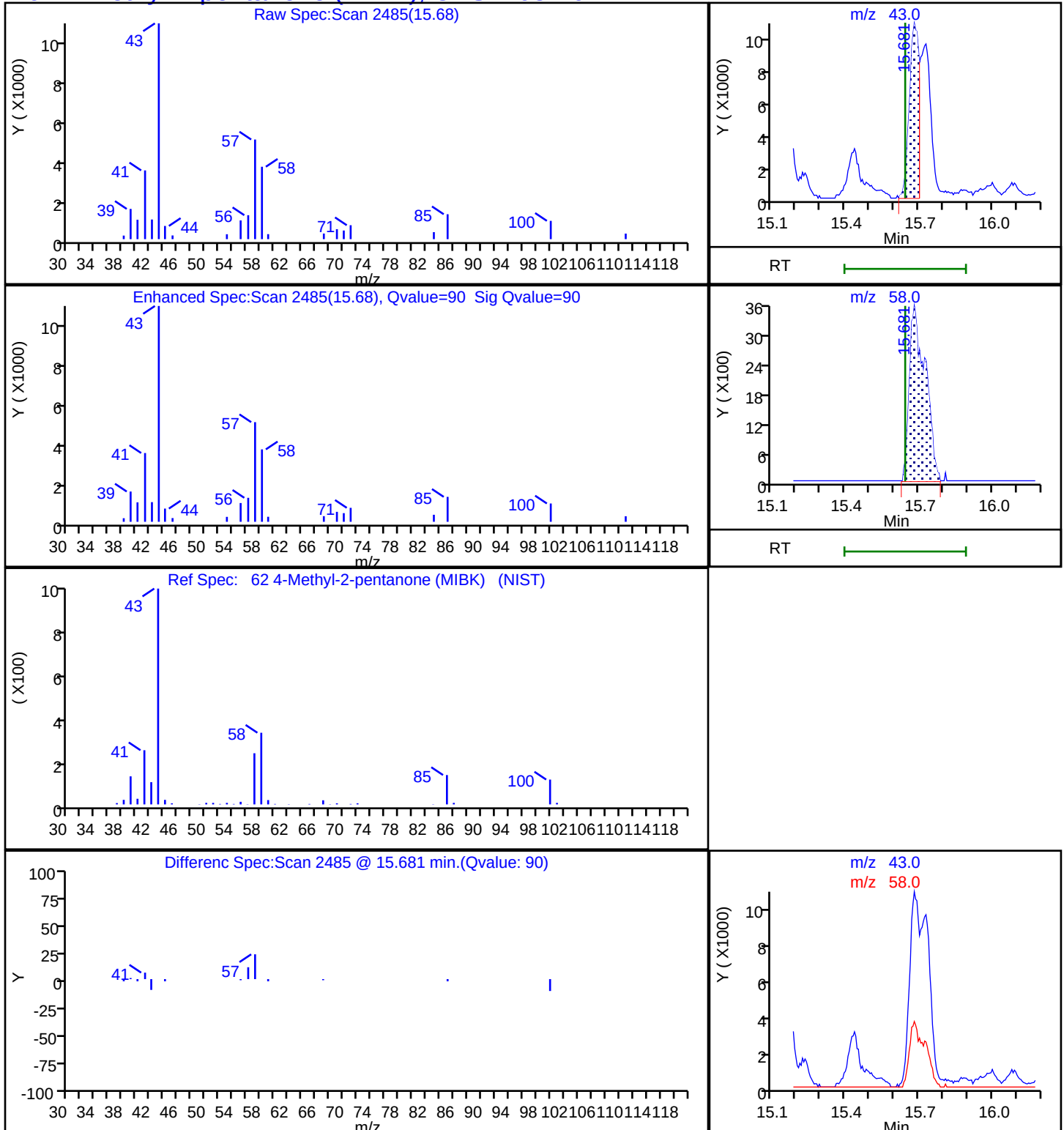
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

62 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

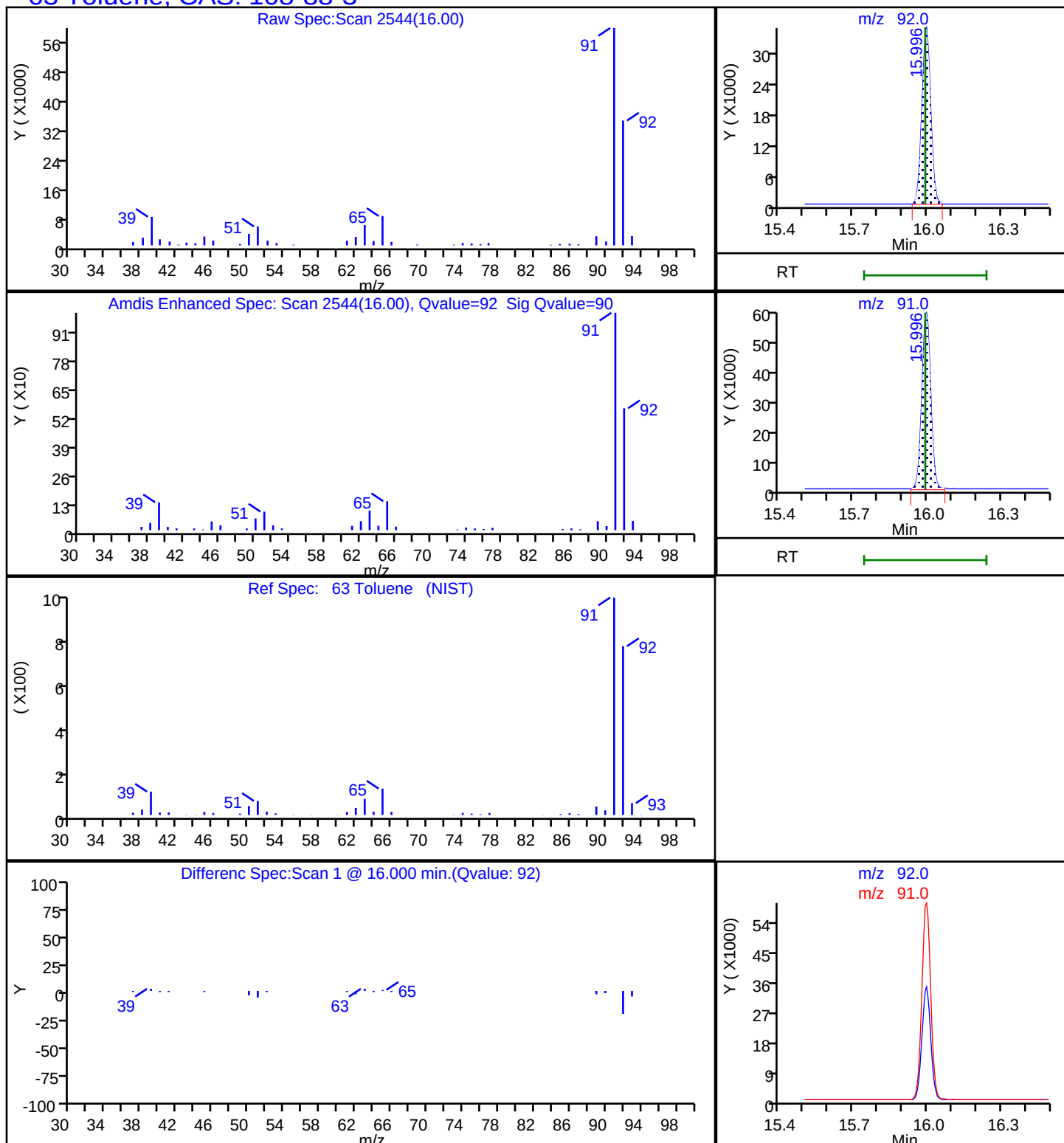
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

63 Toluene, CAS: 108-88-3

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

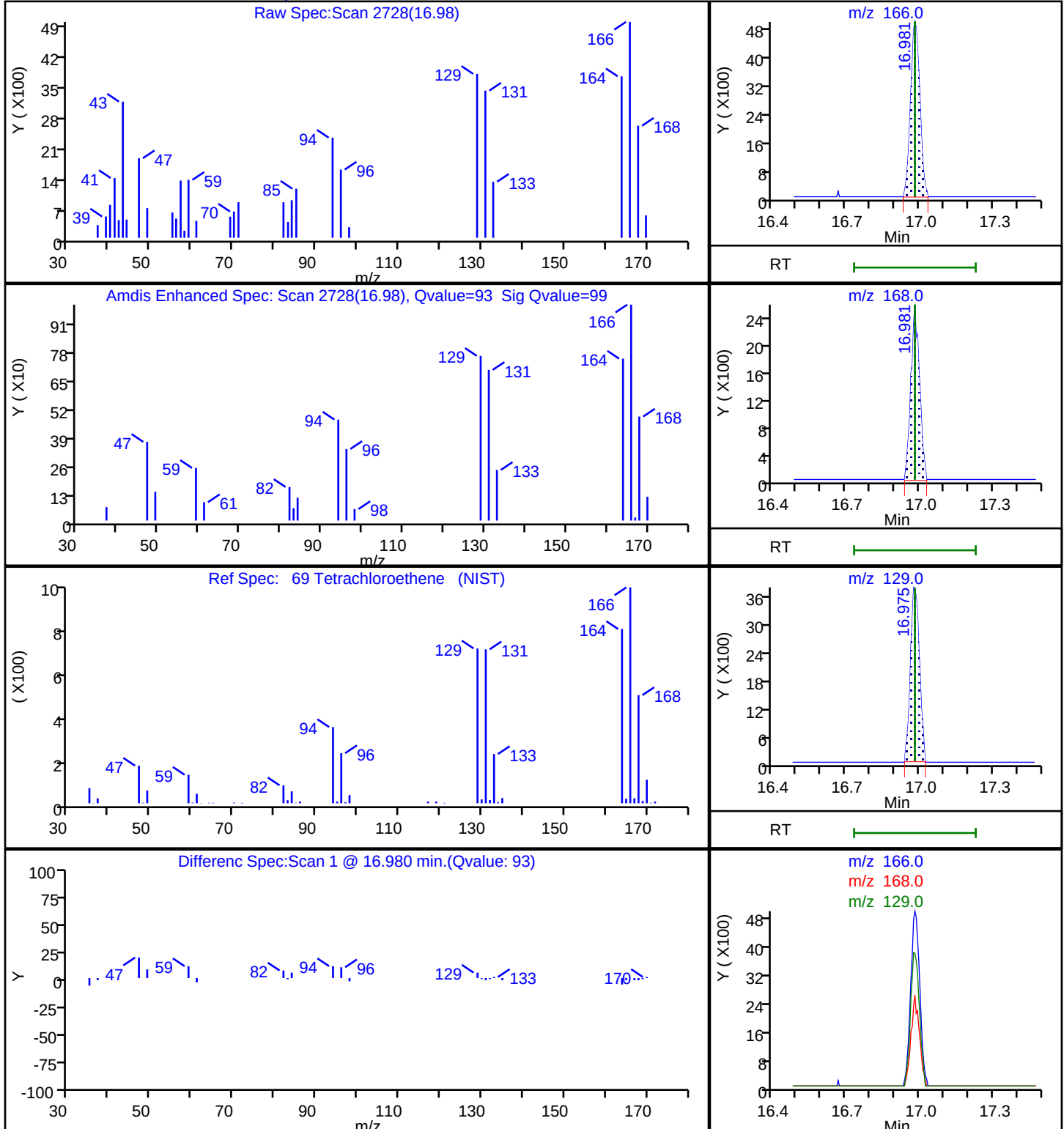
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

69 Tetrachloroethene, CAS: 127-18-4

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

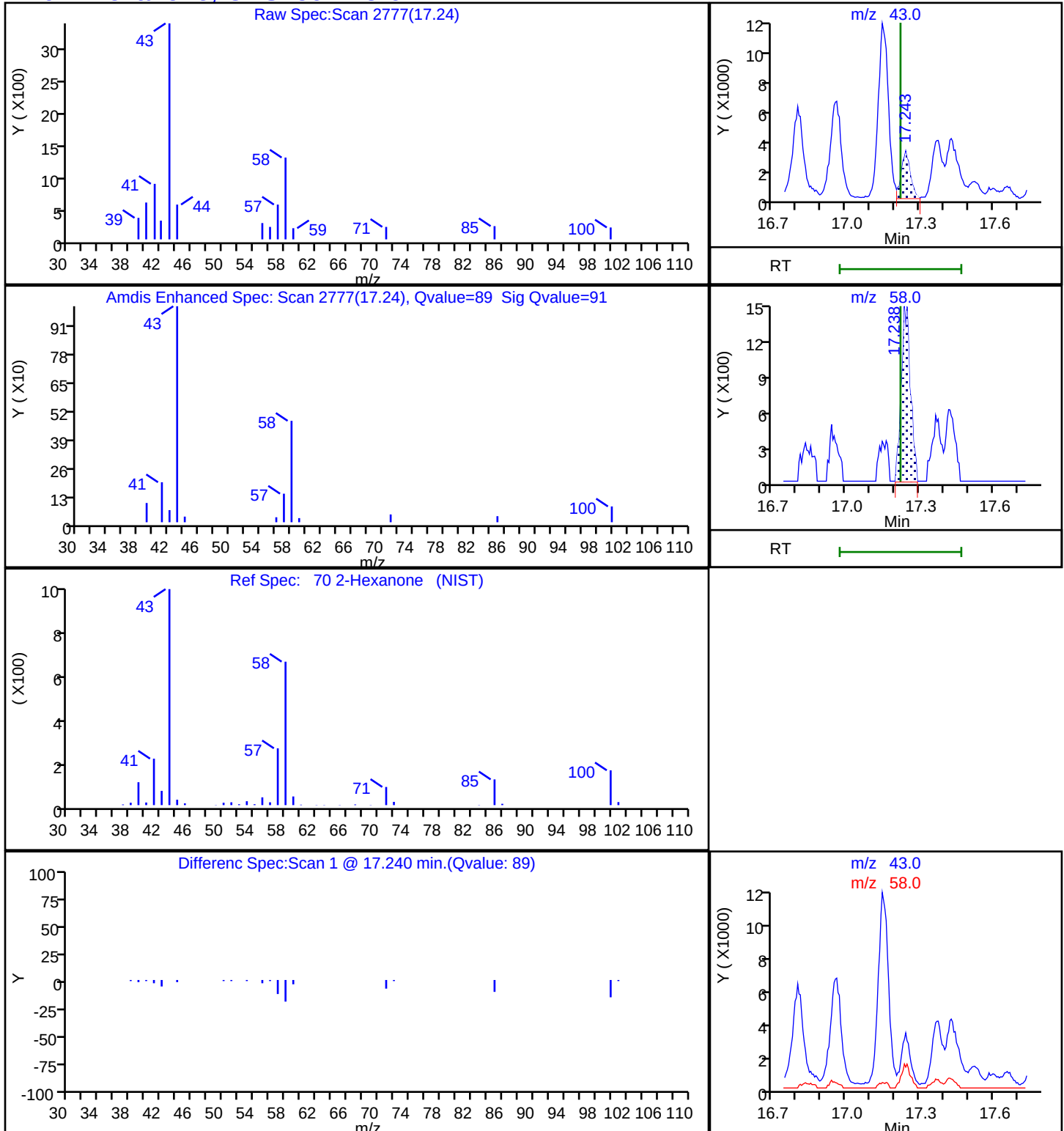
Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

70 2-Hexanone, CAS: 591-78-6



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

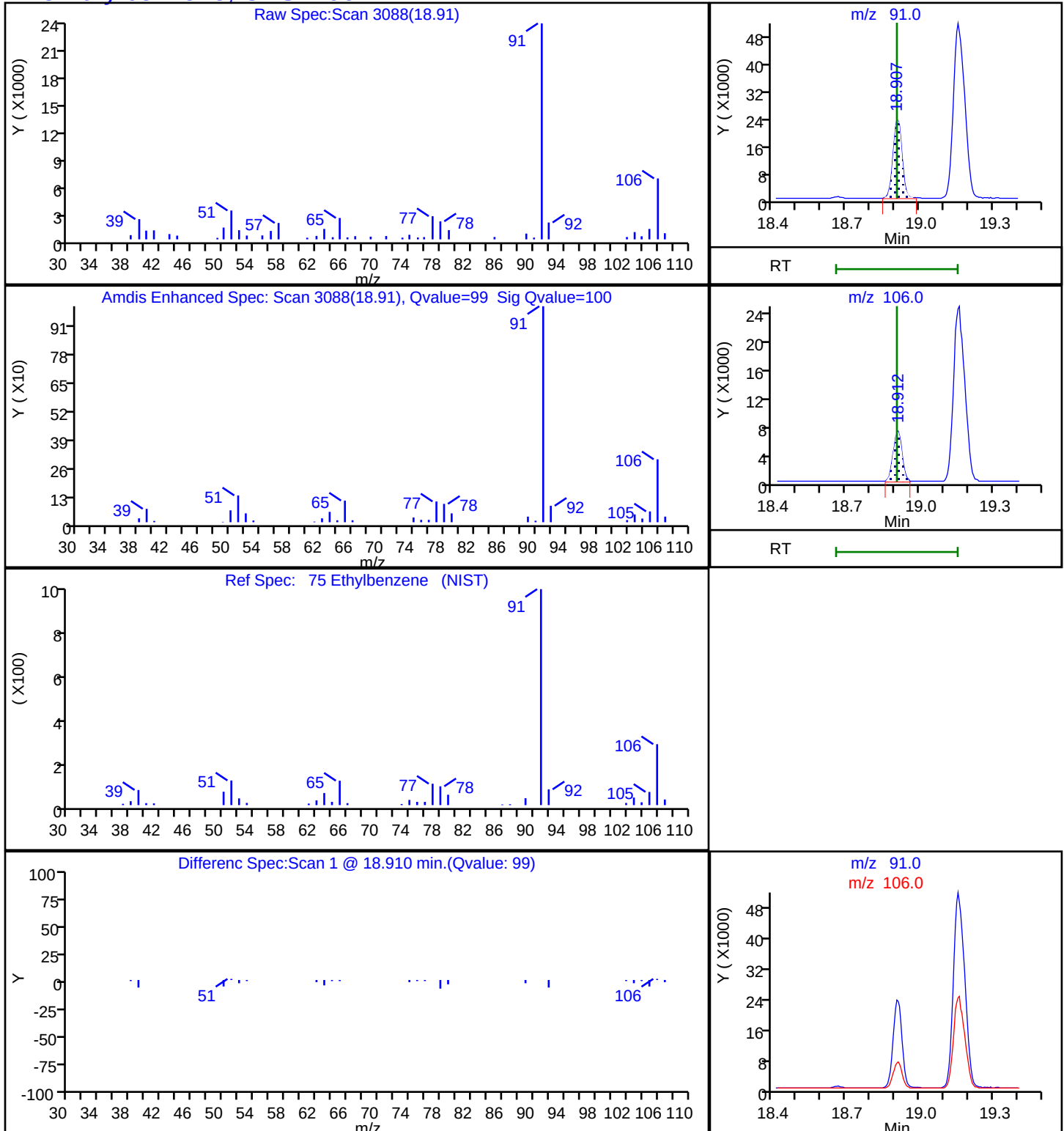
Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

75 Ethylbenzene, CAS: 100-41-4



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

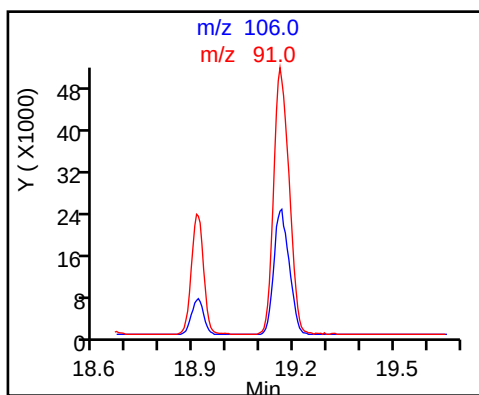
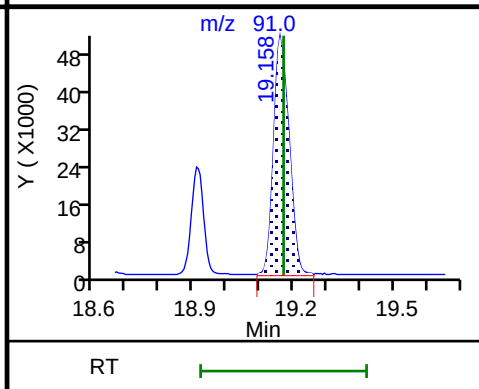
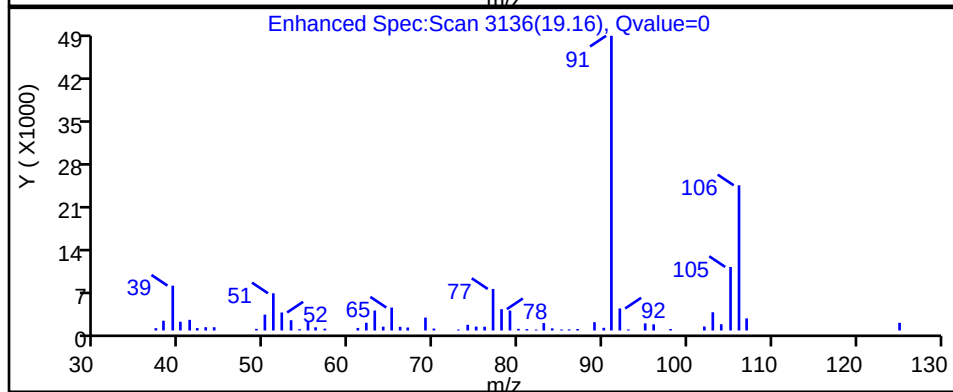
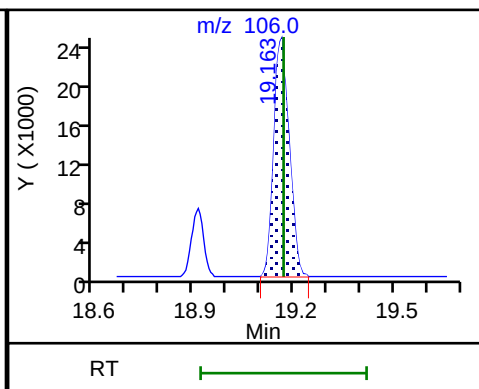
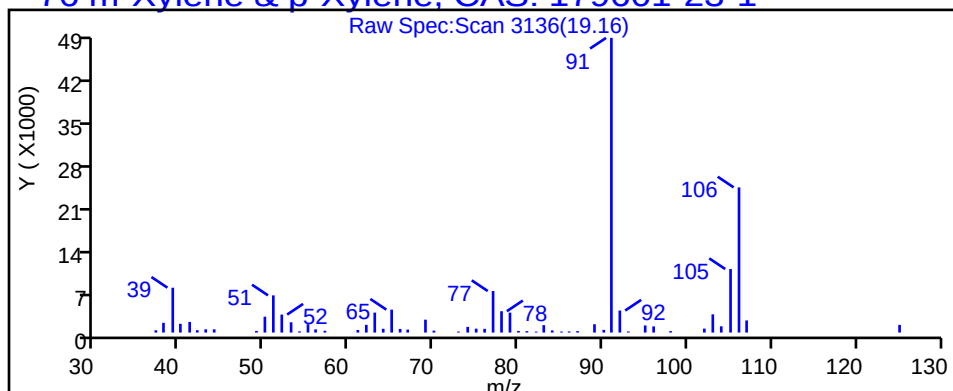
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

76 m-Xylene & p-Xylene, CAS: 179601-23-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

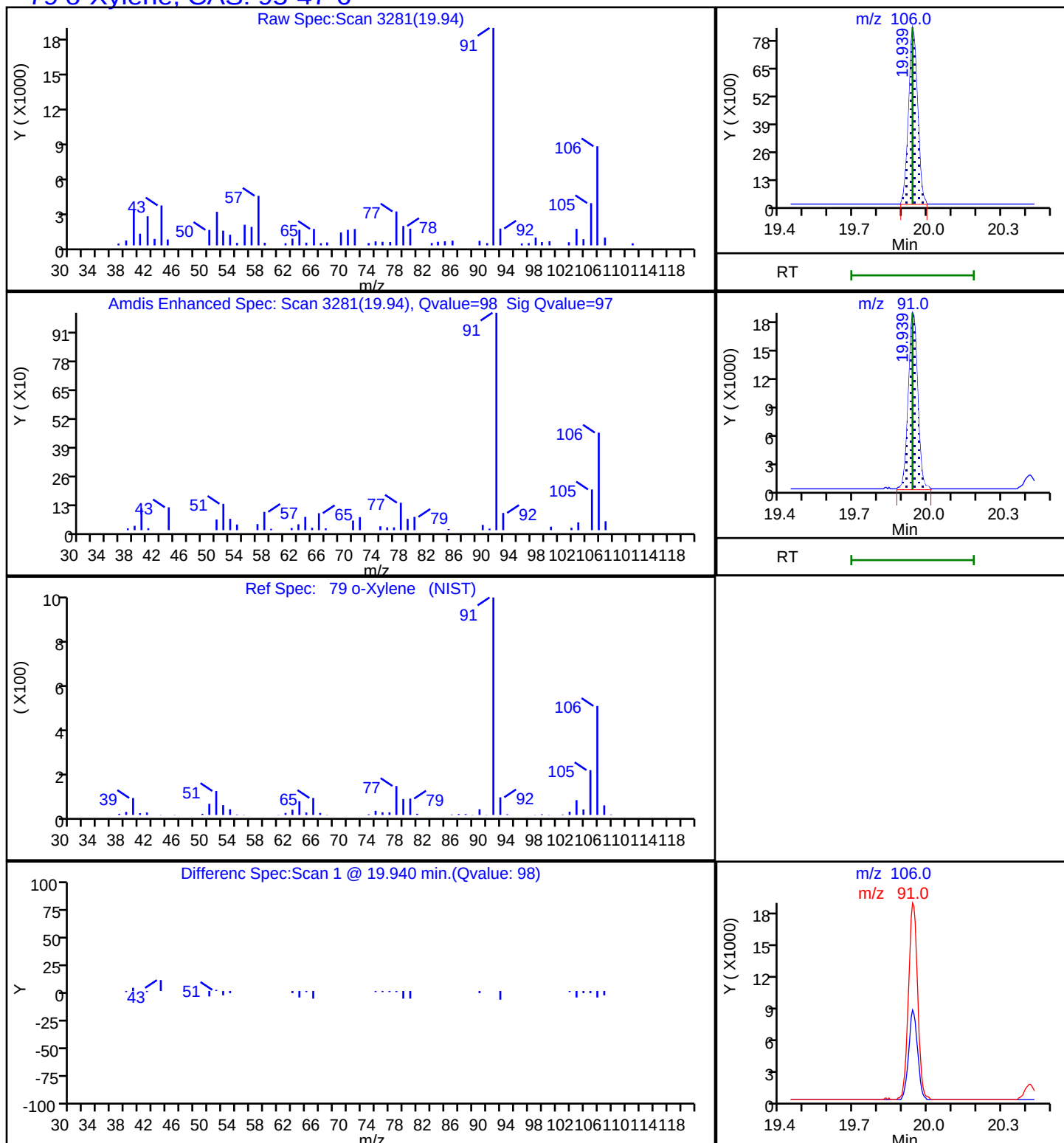
Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

79 o-Xylene, CAS: 95-47-6



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

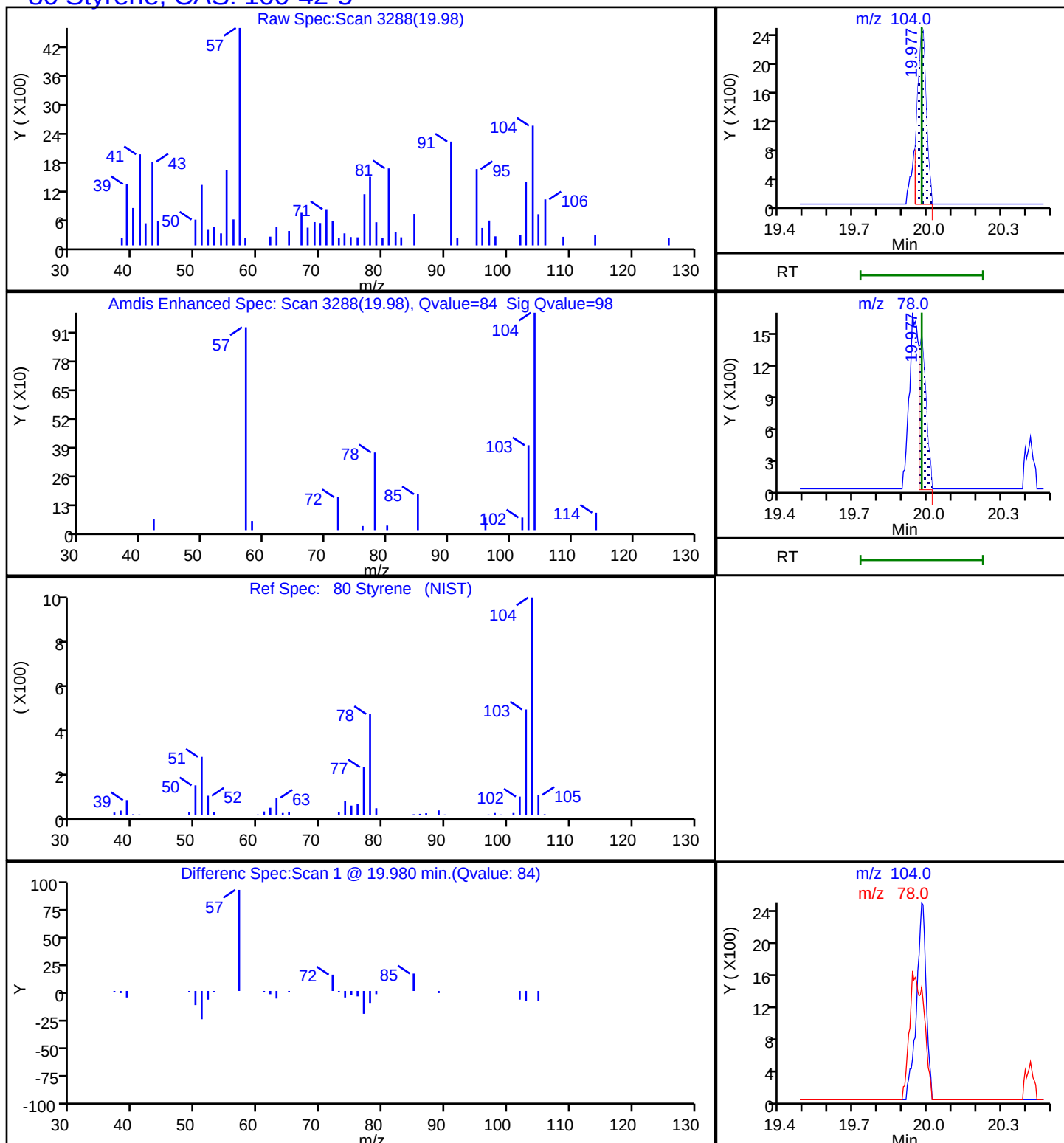
Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

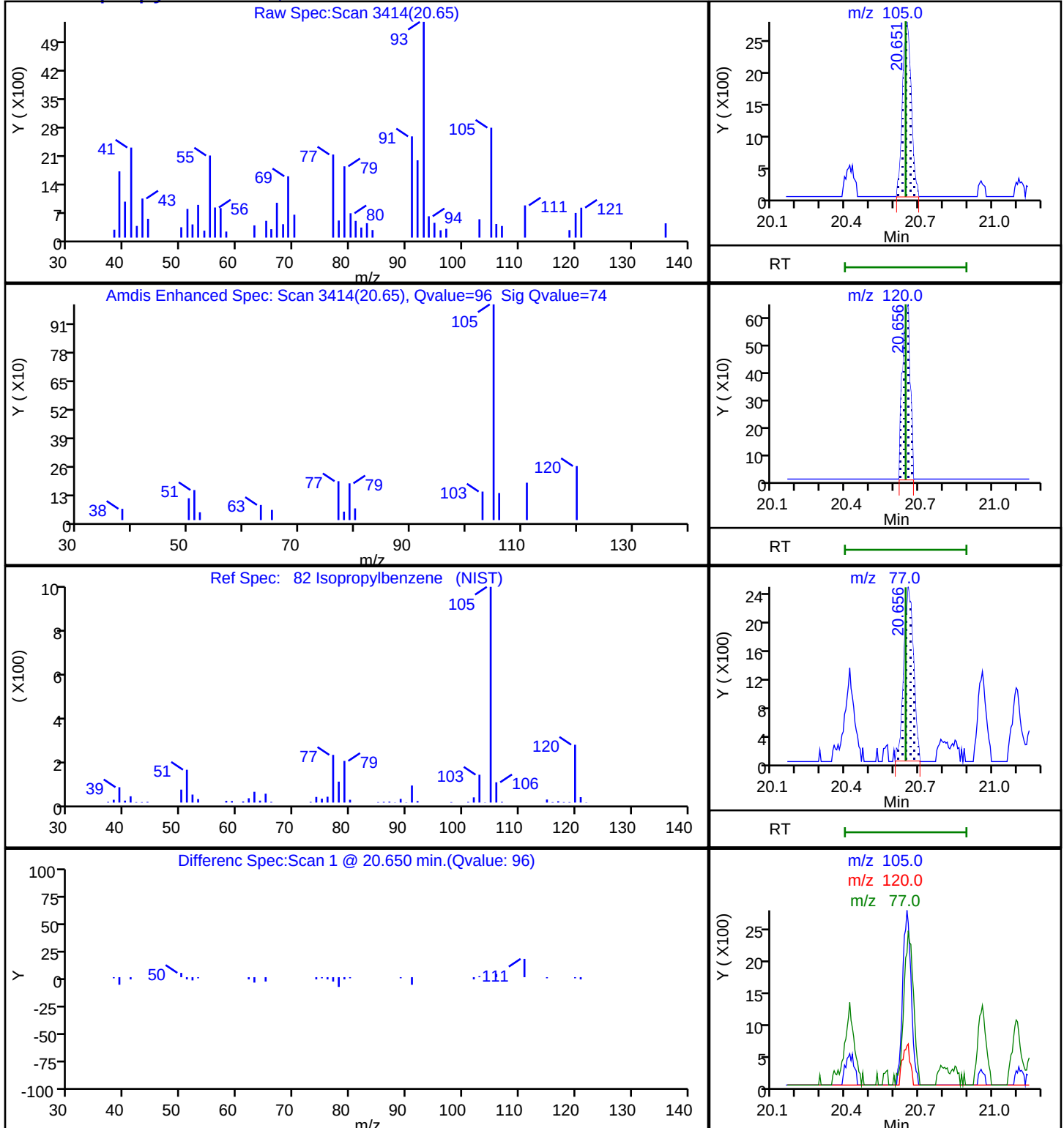
Detector: MS SCAN

80 Styrene, CAS: 100-42-5



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D
Injection Date: 10-Sep-2024 05:16:30 Instrument ID: CHX.i
Lims ID: 200-75030-A-1 Lab Sample ID: 200-75030-1
Client ID: RX-23
Operator ID: wrd ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

82 Isopropylbenzene, CAS: 98-82-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

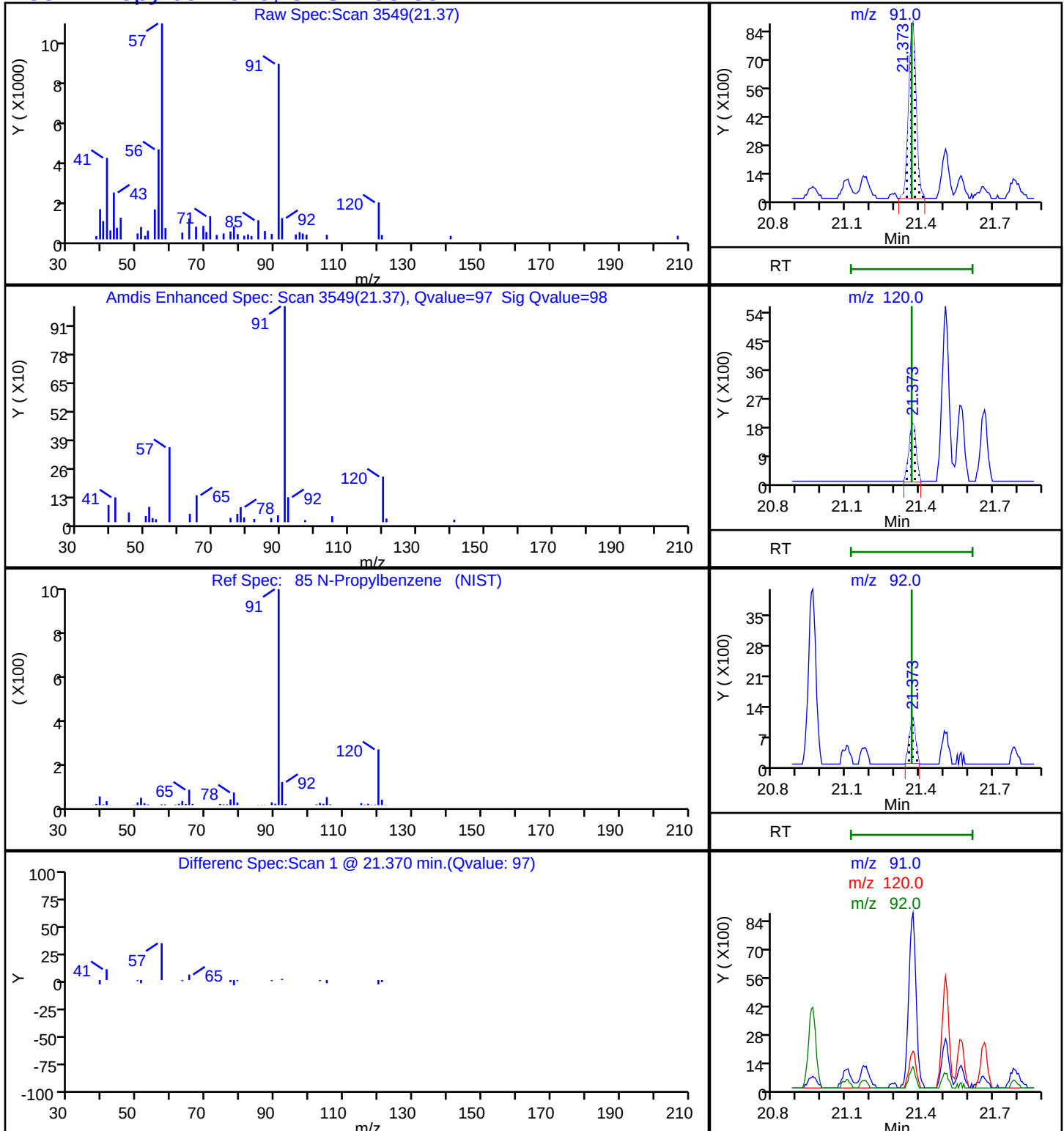
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

85 N-Propylbenzene, CAS: 103-65-1

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

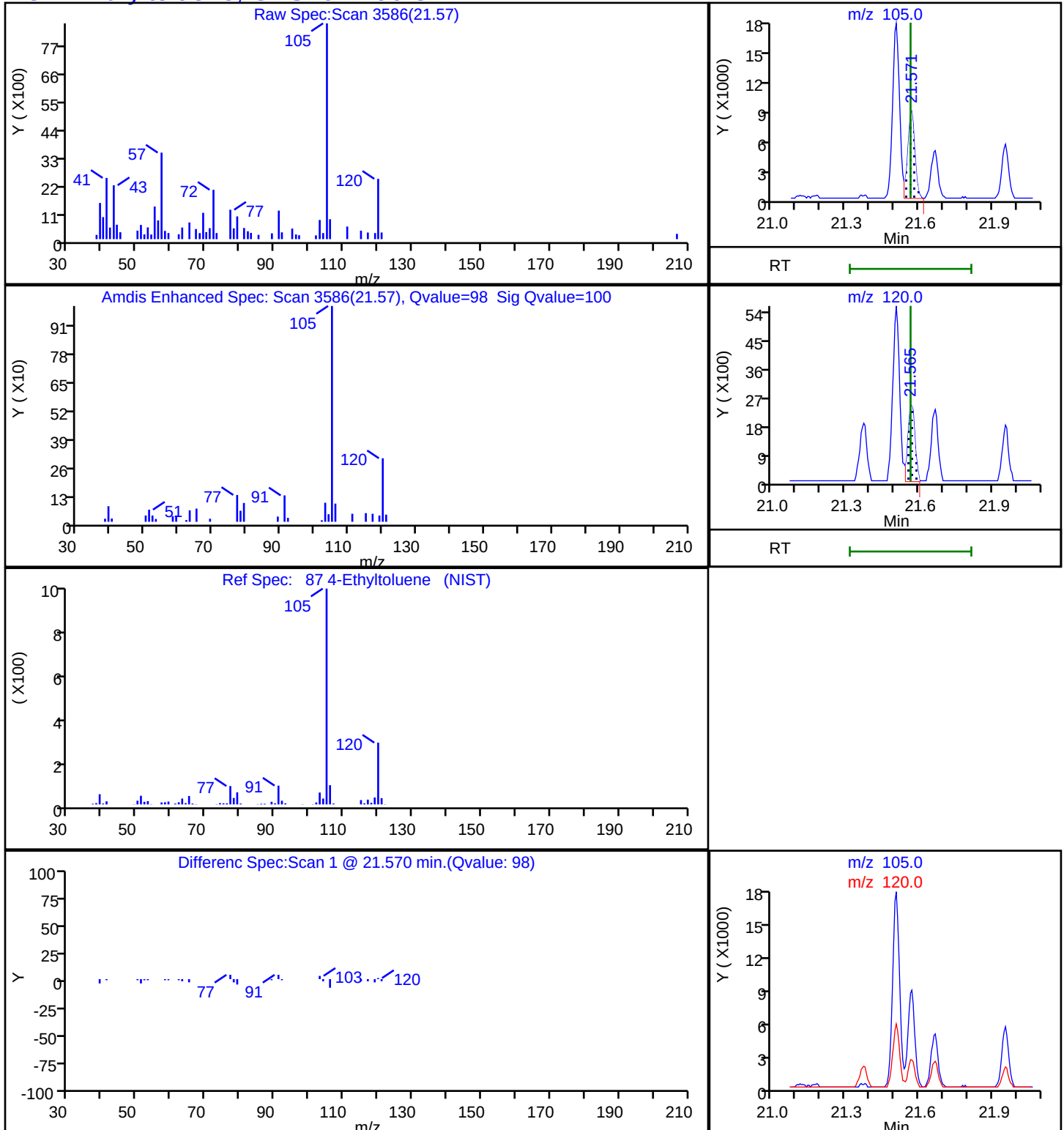
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

87 4-Ethyltoluene, CAS: 622-96-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

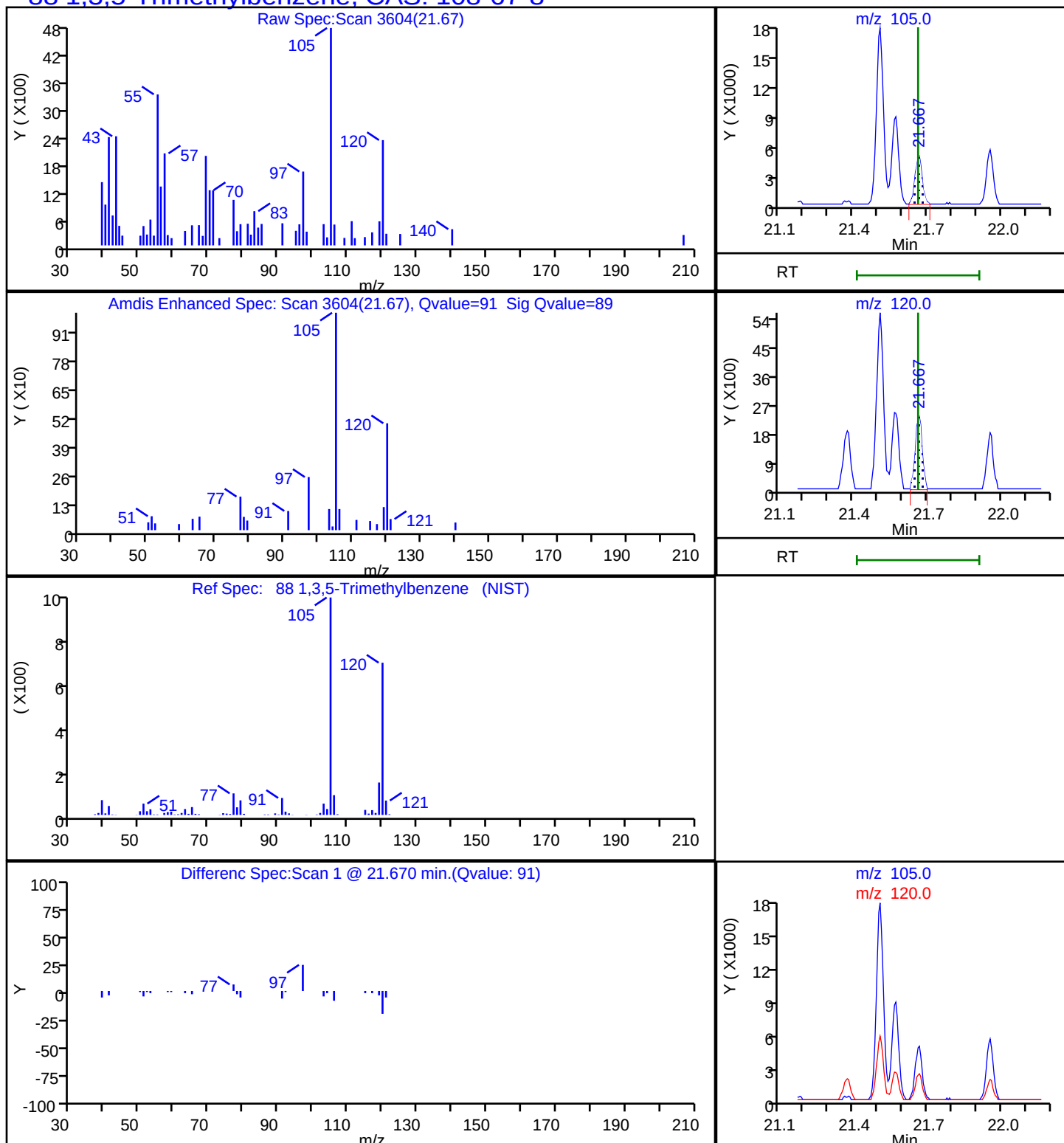
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

88 1,3,5-Trimethylbenzene, CAS: 108-67-8

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20

Worklist Smp#: 21

Purge Vol: 200.000 mL

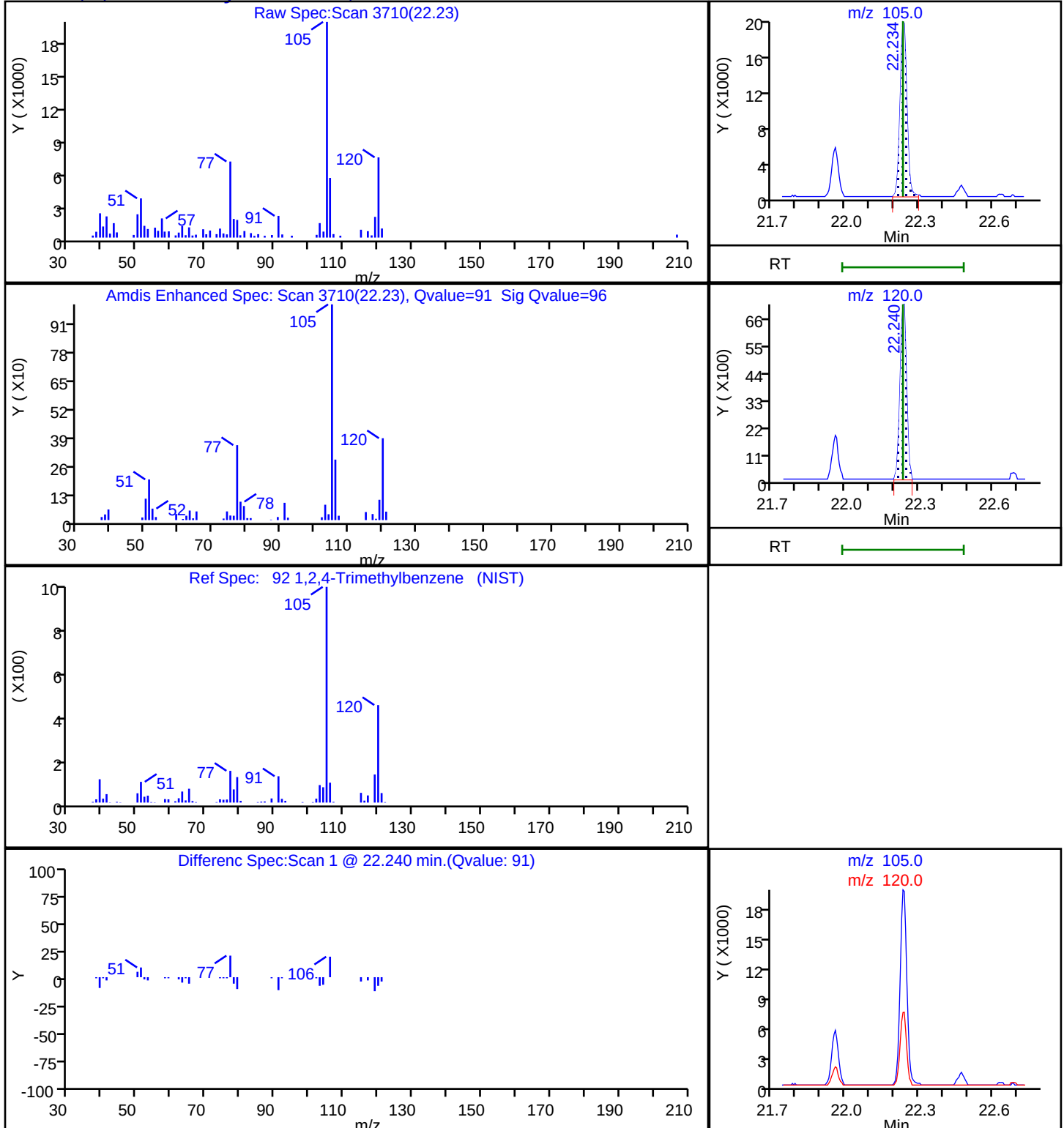
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

92 1,2,4-Trimethylbenzene, CAS: 95-63-6

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20 Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

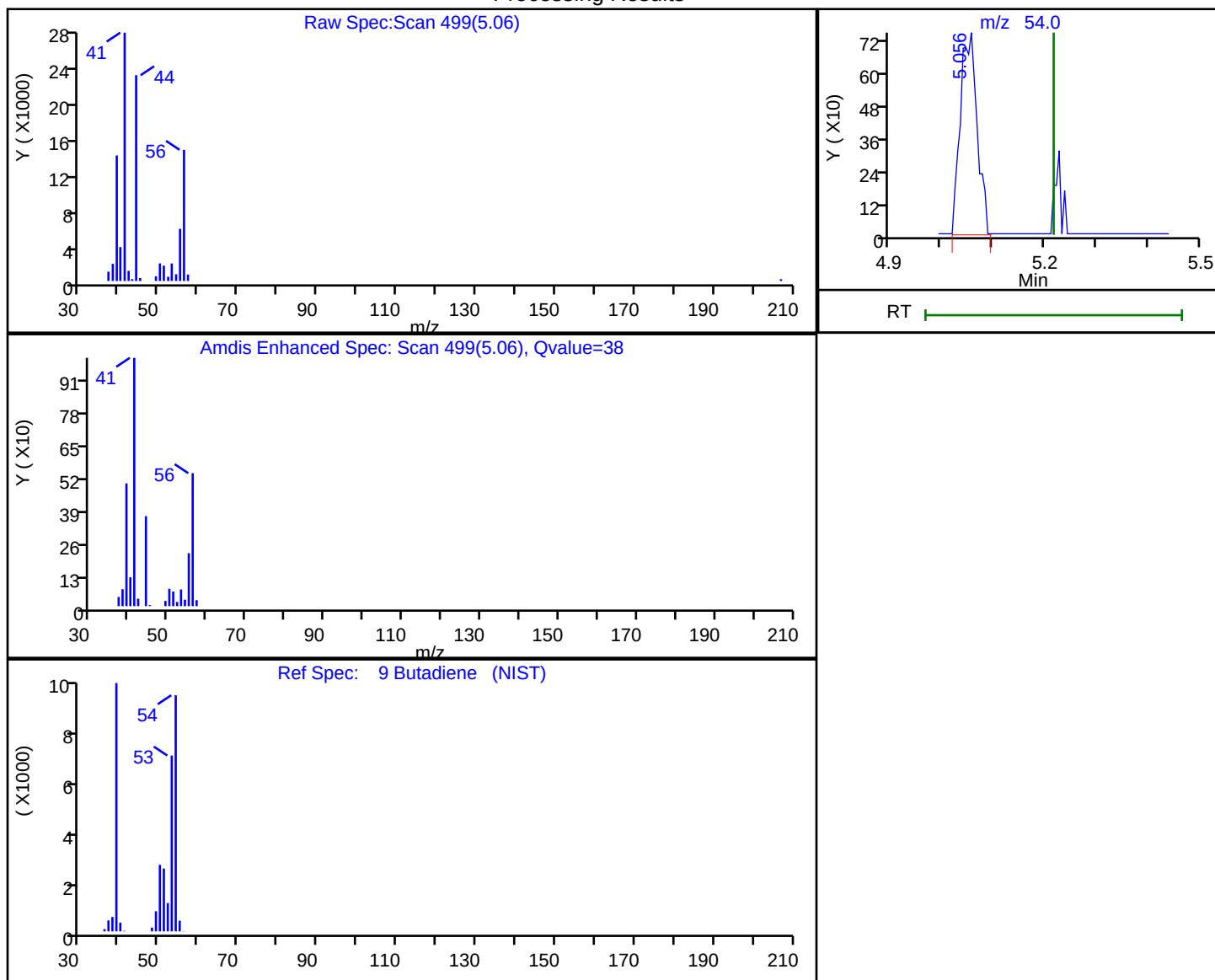
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

9 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
5.06	54.00	1679	0.097147

Reviewer: F7XK, 10-Sep-2024 17:08:24 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

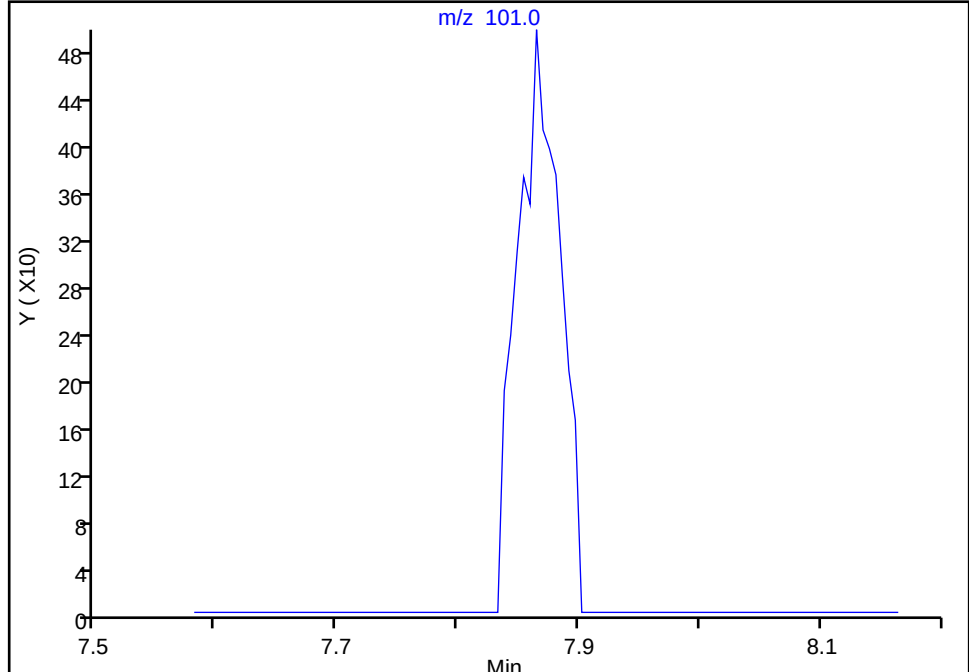
Data File:	\\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D				
Injection Date:	10-Sep-2024 05:16:30	Instrument ID:	CHX.i		
Lims ID:	200-75030-A-1	Lab Sample ID:	200-75030-1		
Client ID:	RX-23				
Operator ID:	wrd	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

21 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

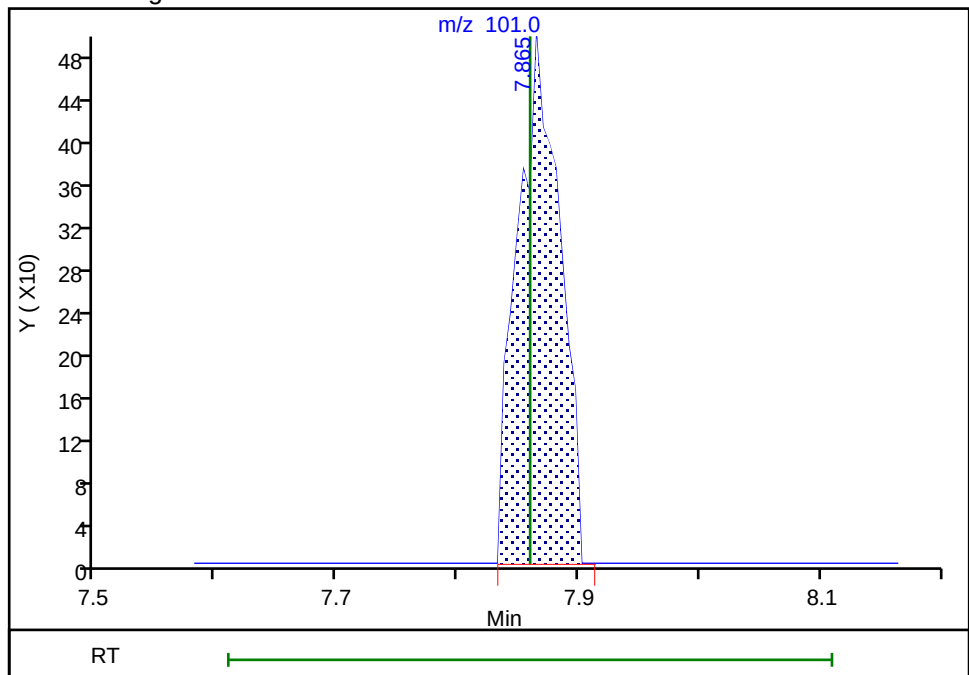
Signal: 1

Not Detected
Expected RT: 7.86

Processing Integration Results

RT: 7.86
Area: 1208
Amount: 0.040183
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 10-Sep-2024 17:08:42 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20 Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

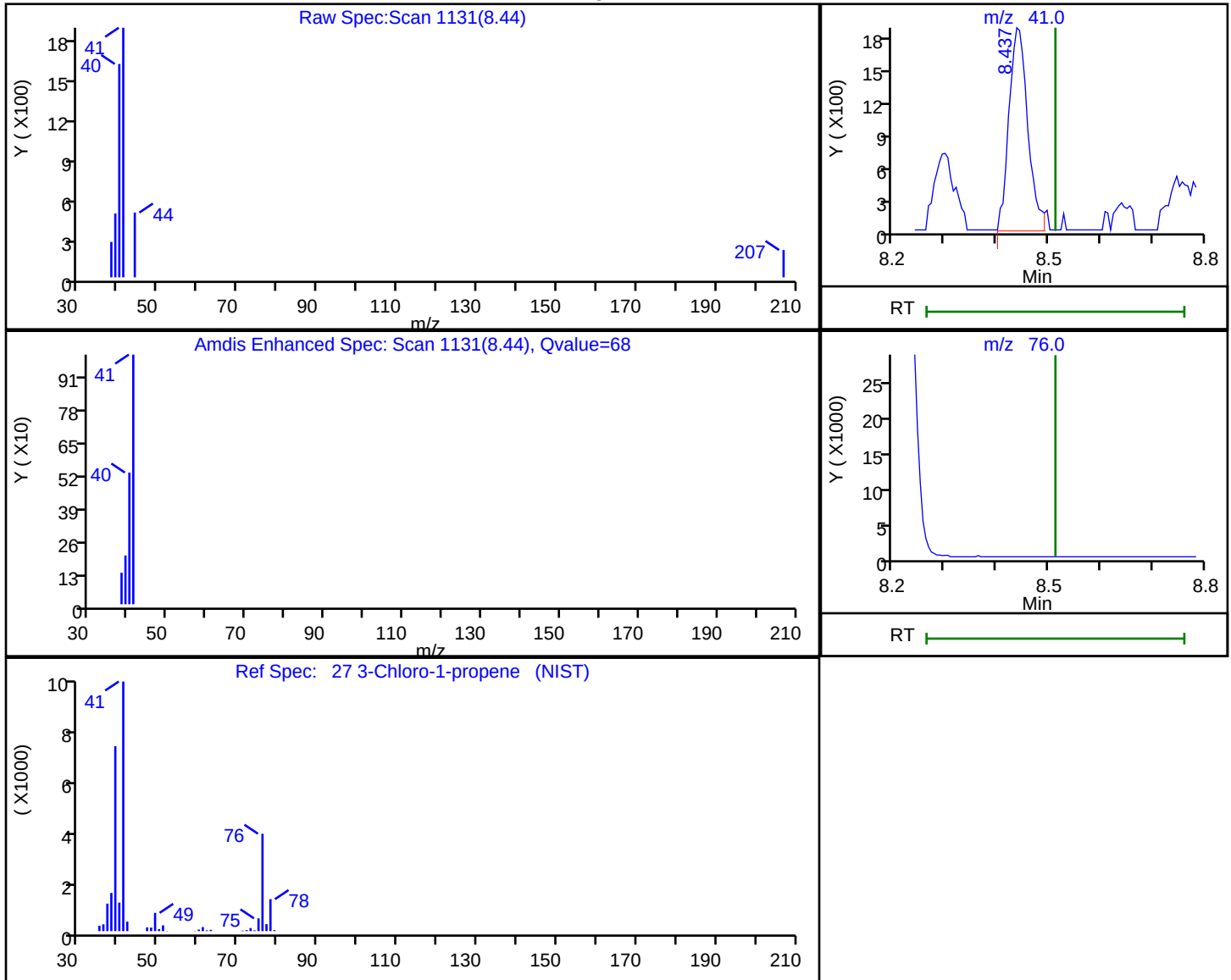
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

27 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
8.44	41.00	4720	0.181622
8.51	76.00	0	

Reviewer: F7XK, 10-Sep-2024 17:09:02 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

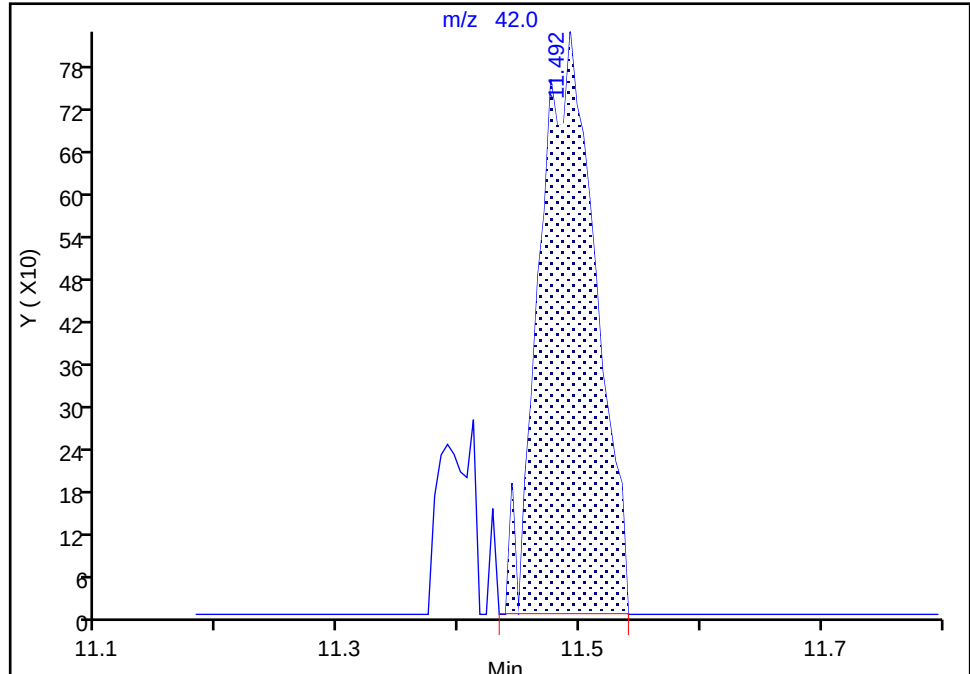
Data File:	\\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D				
Injection Date:	10-Sep-2024 05:16:30	Instrument ID:	CHX.i		
Lims ID:	200-75030-A-1	Lab Sample ID:	200-75030-1		
Client ID:	RX-23				
Operator ID:	wrd	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

41 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

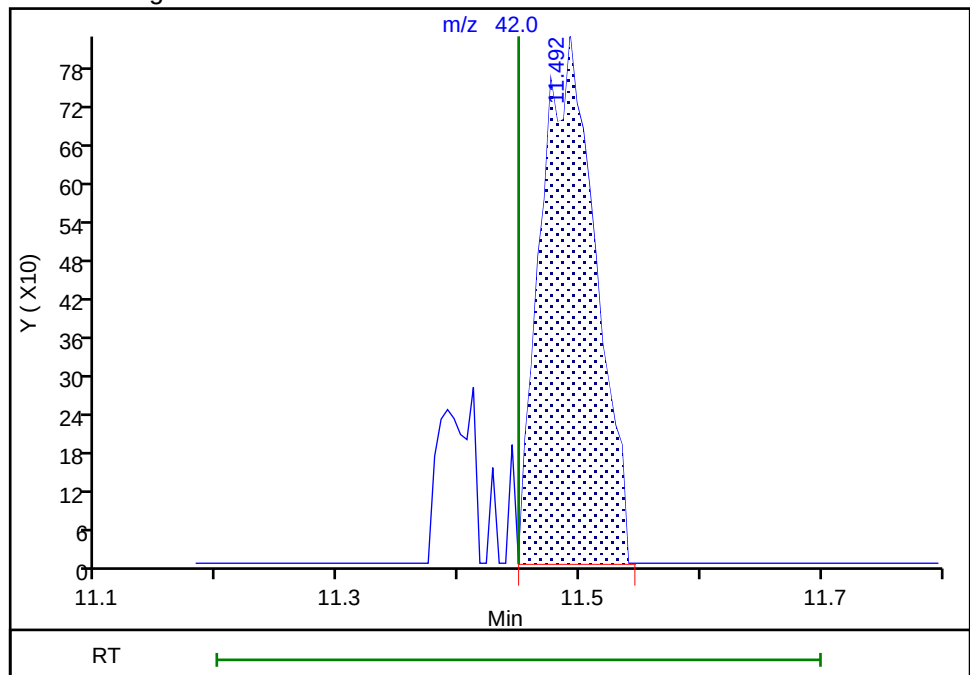
RT: 11.49
Area: 2638
Amount: 0.104379
Amount Units: ppb v/v

Processing Integration Results



RT: 11.49
Area: 2579
Amount: 0.102045
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 10-Sep-2024 17:09:42 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

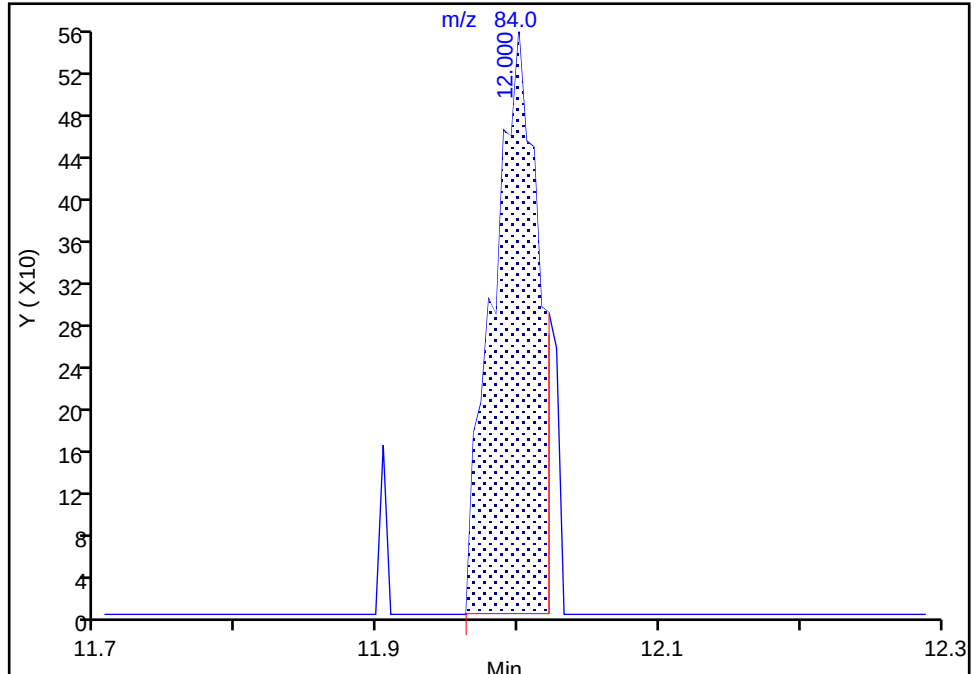
Data File:	\\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D				
Injection Date:	10-Sep-2024 05:16:30	Instrument ID:	CHX.i		
Lims ID:	200-75030-A-1	Lab Sample ID:	200-75030-1		
Client ID:	RX-23				
Operator ID:	wrd	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

44 Cyclohexane, CAS: 110-82-7

Signal: 1

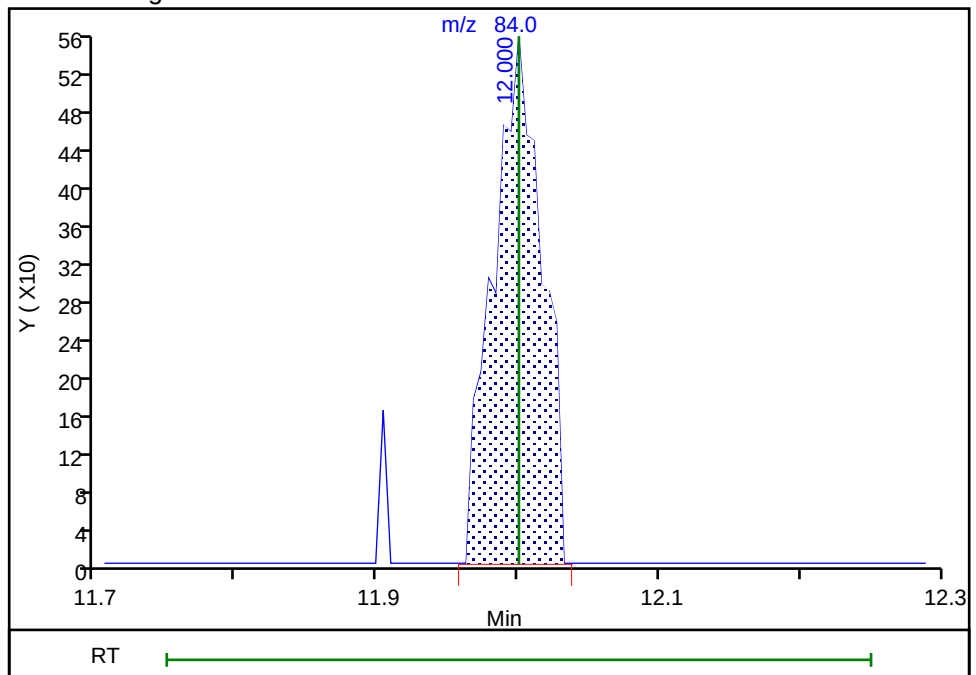
RT: 12.00
Area: 1245
Amount: 0.056722
Amount Units: ppb v/v

Processing Integration Results



RT: 12.00
Area: 1326
Amount: 0.060412
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 10-Sep-2024 17:10:08 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D

Injection Date: 10-Sep-2024 05:16:30

Instrument ID: CHX.i

Lims ID: 200-75030-A-1

Lab Sample ID: 200-75030-1

Client ID: RX-23

Operator ID: wrd

ALS Bottle#: 20 Worklist Smp#: 21

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

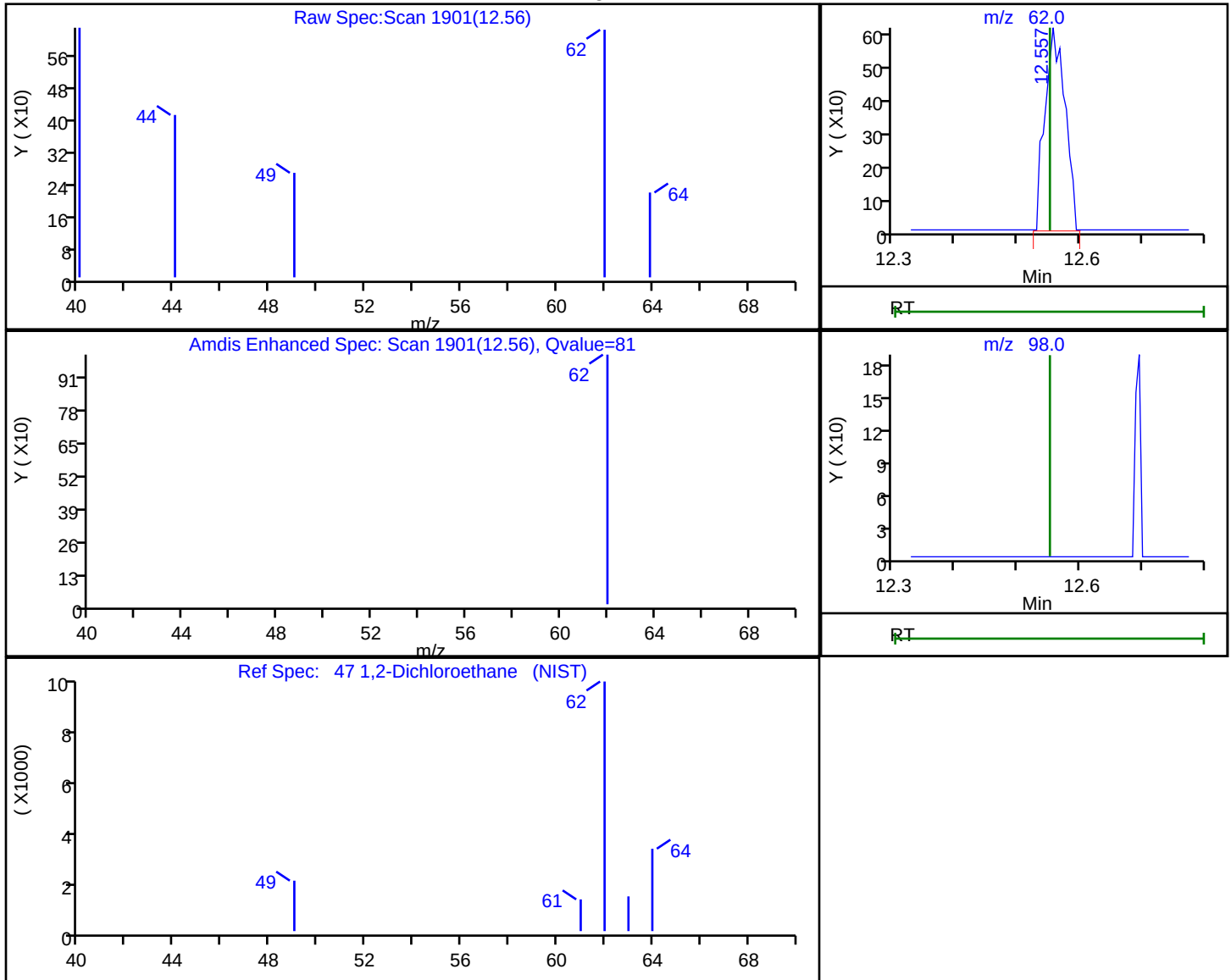
Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

47 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
12.56	62.00	1387	0.056534
12.55	98.00	0	

Reviewer: F7XK, 10-Sep-2024 17:10:23 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

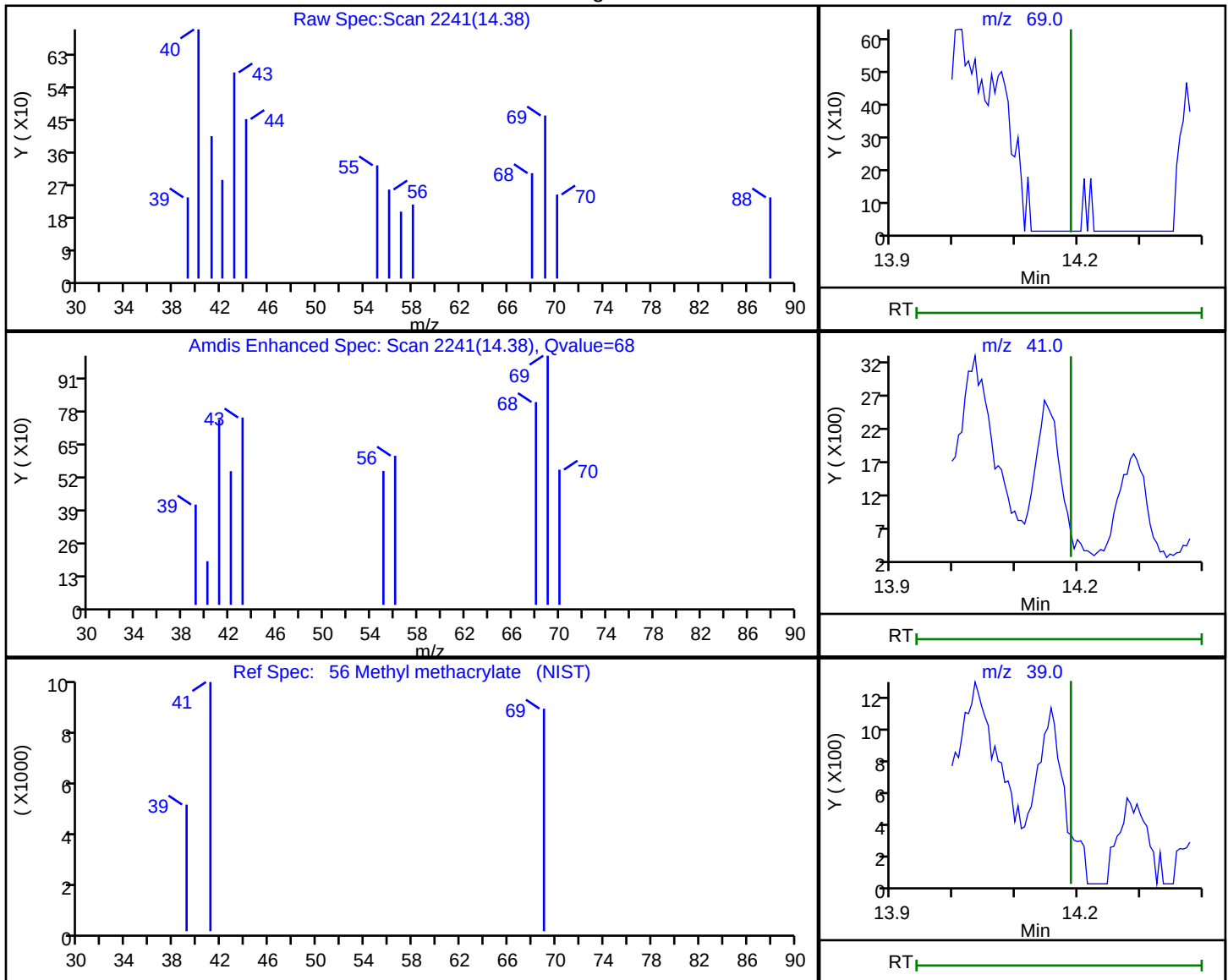
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D
Injection Date: 10-Sep-2024 05:16:30 Instrument ID: CHX.i
Lims ID: 200-75030-A-1 Lab Sample ID: 200-75030-1
Client ID: RX-23
Operator ID: wrd ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

56 Methyl methacrylate, CAS: 80-62-6

Processing Results



RT	Mass	Response	Amount
14.38	69.00	1035	0.051743
14.19	41.00	0	
14.19	39.00	0	

Reviewer: F7XK, 10-Sep-2024 17:10:43 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

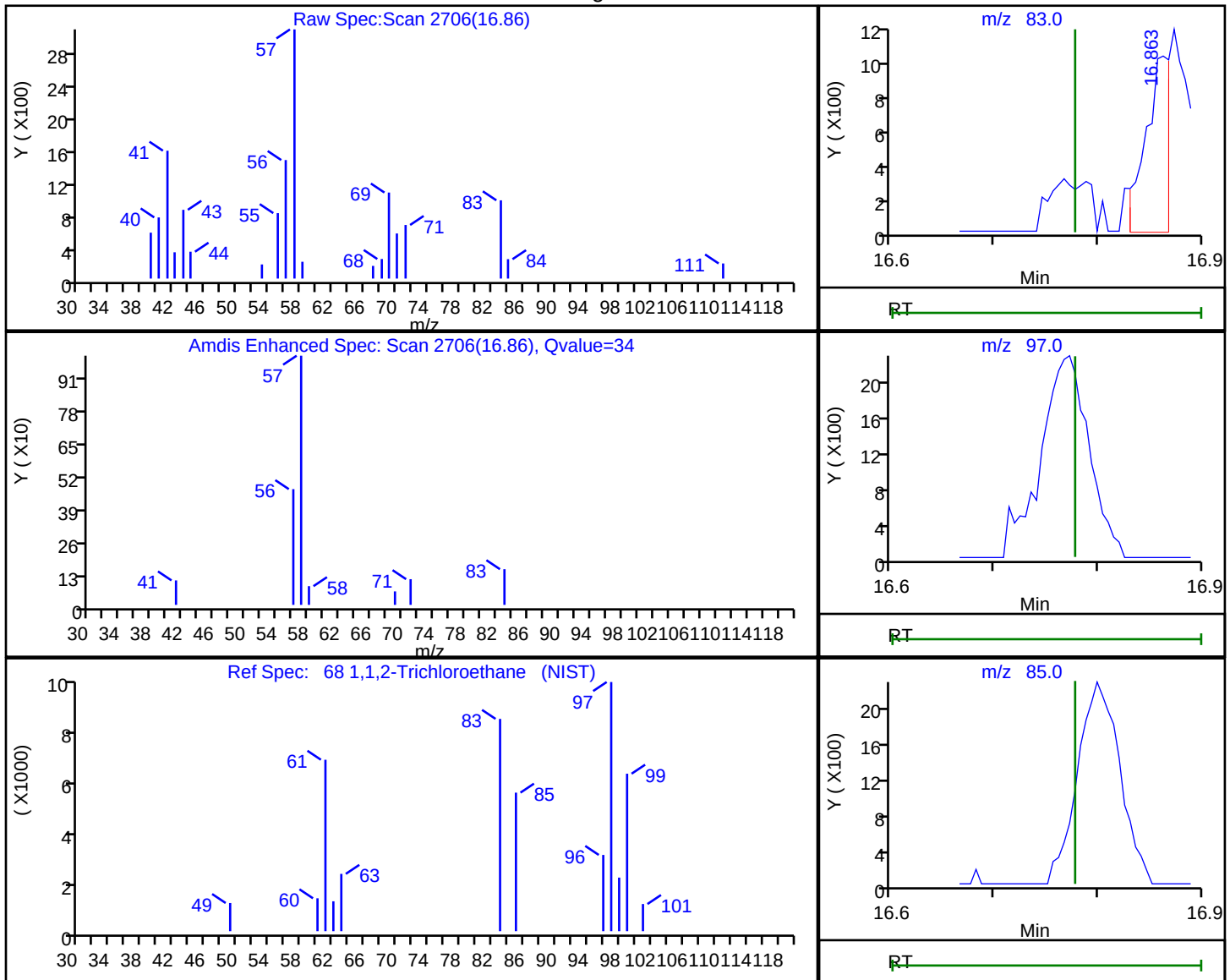
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D
Injection Date: 10-Sep-2024 05:16:30 Instrument ID: CHX.i
Lims ID: 200-75030-A-1 Lab Sample ID: 200-75030-1
Client ID: RX-23
Operator ID: wrd ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

68 1,1,2-Trichloroethane, CAS: 79-00-5

Processing Results



RT	Mass	Response	Amount
16.86	83.00	1578	0.081708
16.78	97.00	0	
16.78	85.00	0	

Reviewer: F7XK, 10-Sep-2024 17:11:27 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

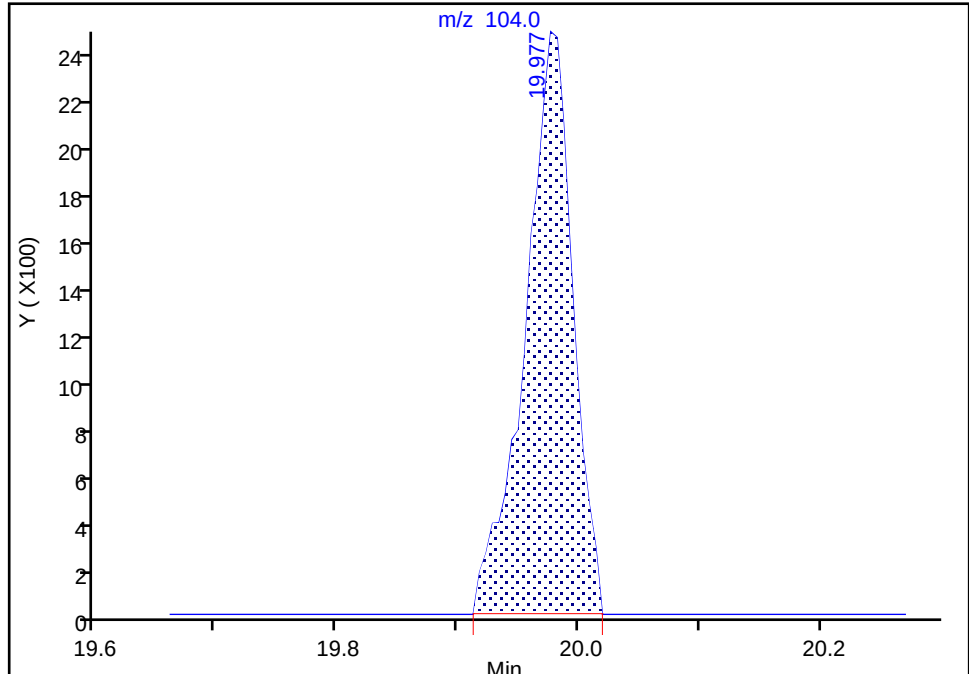
Data File:	\\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D				
Injection Date:	10-Sep-2024 05:16:30	Instrument ID:	CHX.i		
Lims ID:	200-75030-A-1	Lab Sample ID:	200-75030-1		
Client ID:	RX-23				
Operator ID:	wrd	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector:	MS SCAN		

80 Styrene, CAS: 100-42-5

Signal: 1

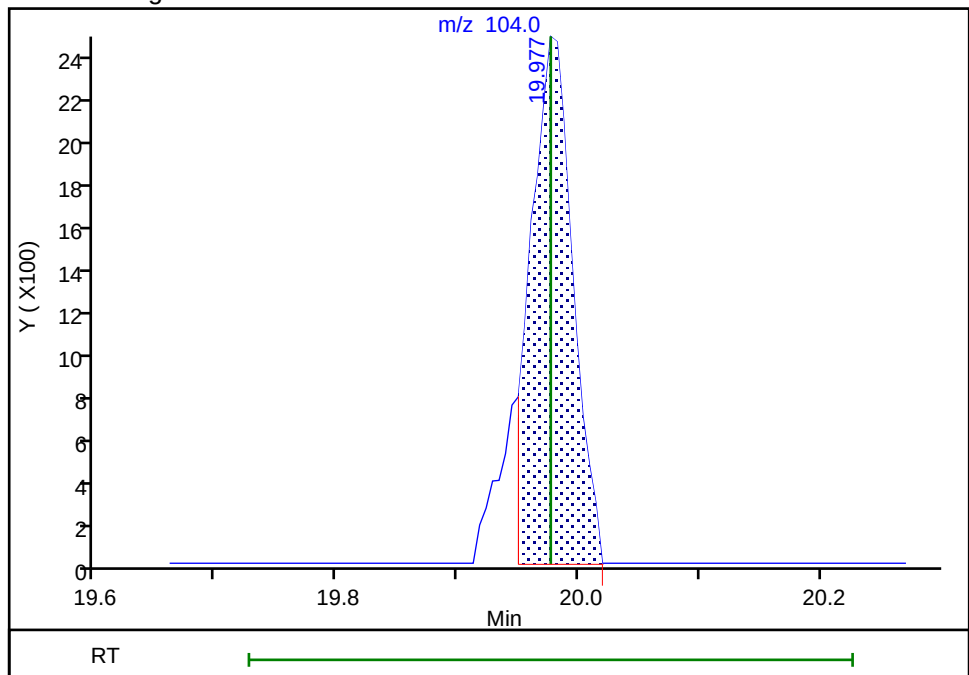
RT: 19.98
Area: 6810
Amount: 0.149370
Amount Units: ppb v/v

Processing Integration Results



RT: 19.98
Area: 6011
Amount: 0.131844
Amount Units: ppb v/v

Manual Integration Results



Reviewer: F7XK, 10-Sep-2024 17:12:03 07:00:00 (UTC)

Audit Action: Manually Integrated

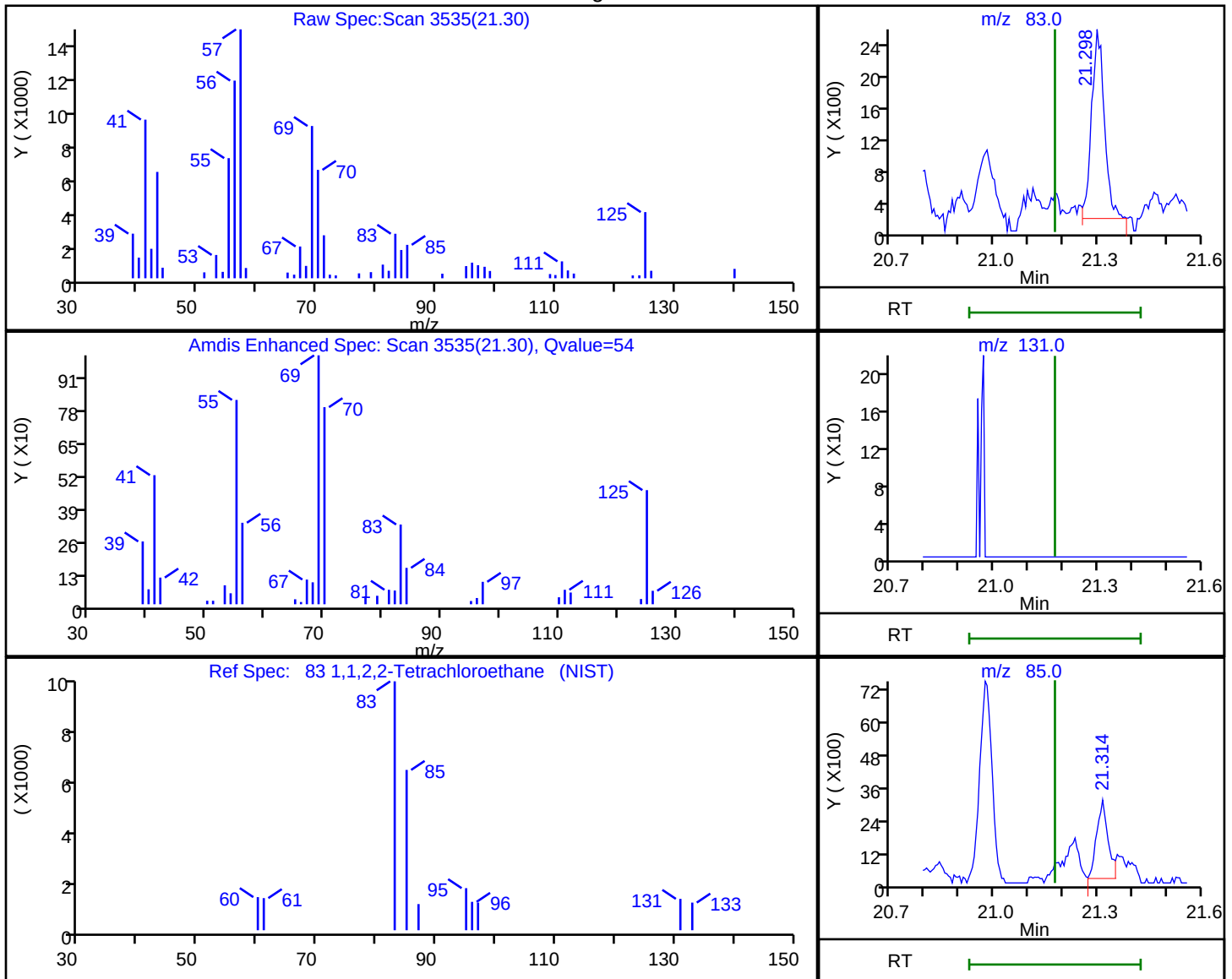
Audit Reason: Assign Peak

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D
Injection Date: 10-Sep-2024 05:16:30 Instrument ID: CHX.i
Lims ID: 200-75030-A-1 Lab Sample ID: 200-75030-1
Client ID: RX-23
Operator ID: wrd ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

83 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
21.30	83.00	6204	0.116777
21.17	131.00	0	
21.31	85.00	6525	

Reviewer: F7XK, 10-Sep-2024 17:12:26 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

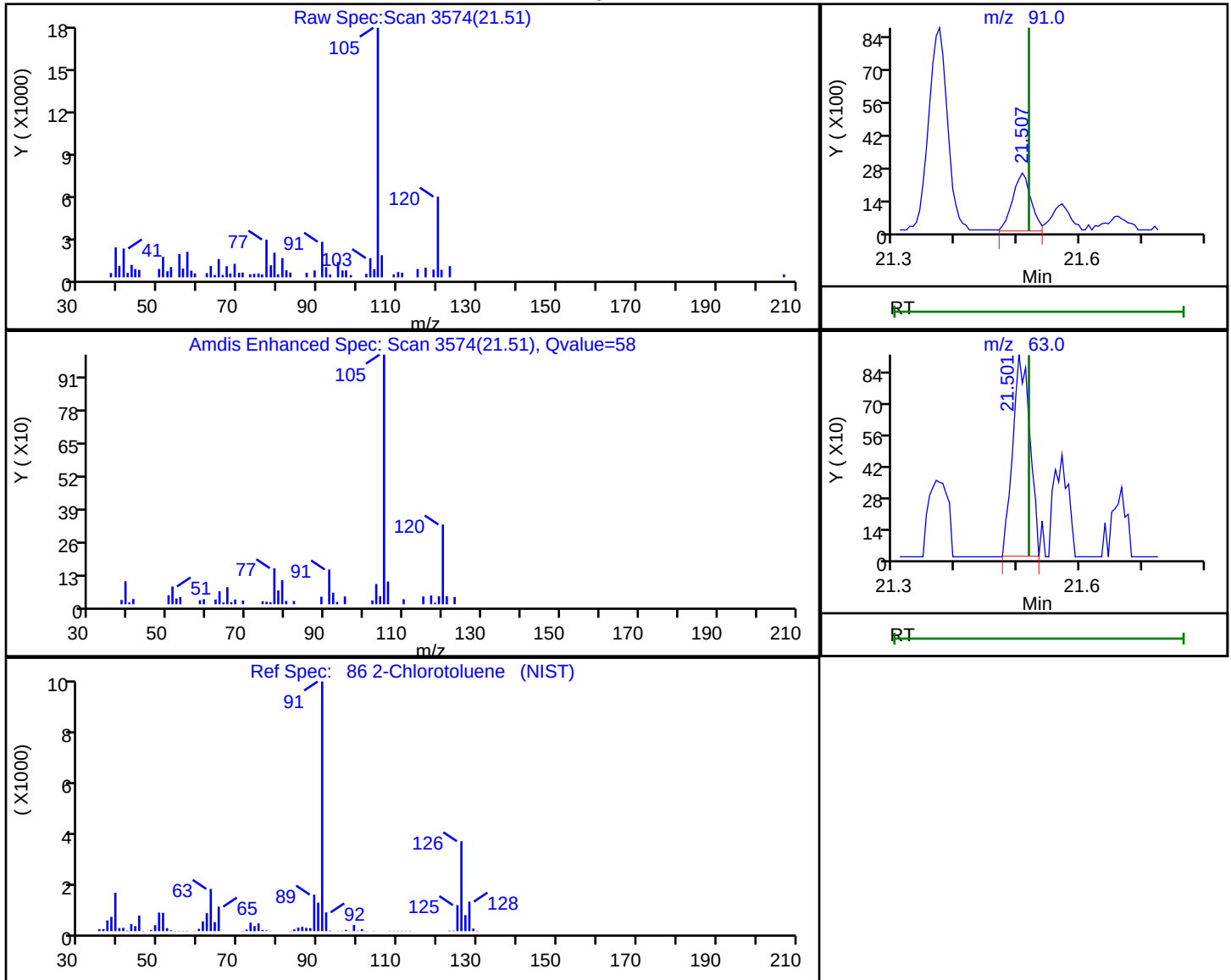
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D
Injection Date: 10-Sep-2024 05:16:30 Instrument ID: CHX.i
Lims ID: 200-75030-A-1 Lab Sample ID: 200-75030-1
Client ID: RX-23
Operator ID: wrd ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

86 2-Chlorotoluene, CAS: 95-49-8

Processing Results



RT	Mass	Response	Amount
21.51	91.00	4970	0.071617
21.50	63.00	1741	

Reviewer: F7XK, 10-Sep-2024 17:12:38 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

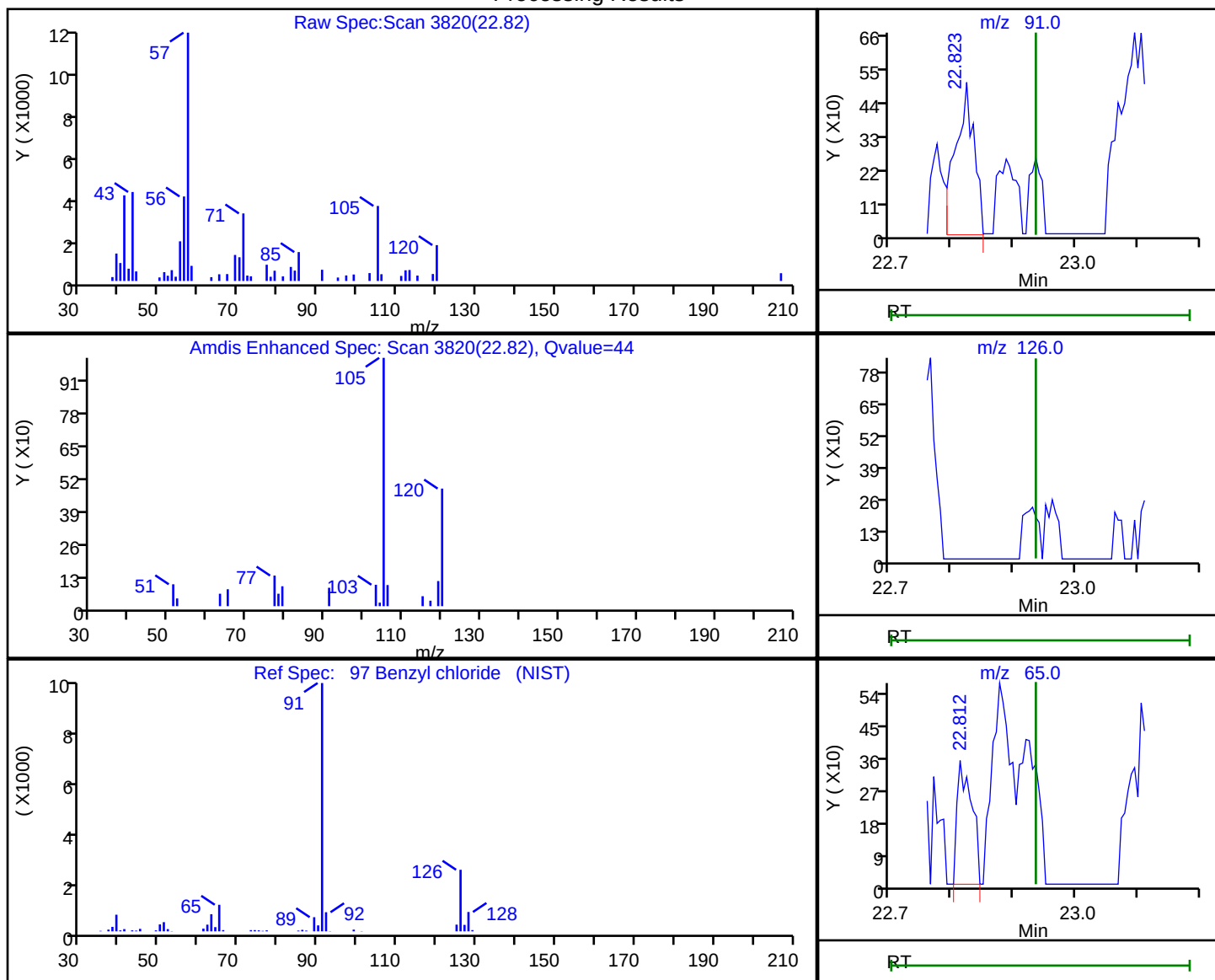
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-21.D
Injection Date: 10-Sep-2024 05:16:30 Instrument ID: CHX.i
Lims ID: 200-75030-A-1 Lab Sample ID: 200-75030-1
Client ID: RX-23
Operator ID: wrd ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

97 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
22.82	91.00	1034	0.017336
22.94	126.00	0	
22.81	65.00	567	

Reviewer: F7XK, 10-Sep-2024 17:13:08 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672
SDG No.: _____
Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-207672/4	61667-04.D
Level 2	IC 200-207672/5	61667-05.D
Level 3	IC 200-207672/7	61667-07.D
Level 4	IC 200-207672/9	61667-09.D
Level 5	ICIS 200-207672/10	61667-10.D
Level 6	IC 200-207672/11	61667-11.D
Level 7	IC 200-207672/14	61667-14.D
Level 8	IC 200-207672/15	61667-15.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Propylene	++++ 0.9067	++++ 1.0224	++++ 0.6929	0.9920	0.8749	Ave		0.897 8				14.4		30.0			
Dichlorodifluoromethane	++++ 3.3709	++++ 3.3451	3.8842 2.7475	3.2955	3.1899	Ave		3.305 5				11.0		30.0			
Chlorodifluoromethane	++++ 1.9890	++++ 2.0276	2.4200 1.6540	2.0076	1.8874	Ave		1.997 6				12.5		30.0			
1,2-Dichlorotetrafluoroethane	++++ 3.5323	4.1095 3.6381	4.2280 3.1387	3.5112	3.3358	Ave		3.642 0				10.9		30.0			
Chloromethane	++++ 1.2274	++++ 1.2245	1.4880 1.0347	1.2220	1.1586	Ave		1.225 9				12.1		30.0			
Vinyl chloride	2.6206 2.0384	2.1962 2.0296	2.4329 1.7867	1.9250	1.8704	Ave		2.112 5				13.6		30.0			
n-Butane	++++ 3.2573	++++ 3.2893	3.9253 2.8557	3.0994	3.0242	Ave		3.241 9				11.4		30.0			
1,3-Butadiene	2.4529 1.6573	1.8471 1.6497	1.9484 1.4597	1.5548	1.5329	Ave		1.762 8				18.3		30.0			
Bromomethane	++++ 1.9269	2.2973 1.8992	2.3904 1.6749	1.8882	1.8154	Ave		1.984 6				13.1		30.0			
Chloroethane	++++ 0.9789	++++ 0.8912	1.2034 0.8640	0.9481	0.9437	Ave		0.971 5				12.4		30.0			
Isopentane	++++ 1.9100	2.1513 1.9005	2.2959 1.7263	1.8539	1.7828	Ave		1.945 8				10.5		30.0			
Bromoethene (Vinyl Bromide)	++++ 1.3013	1.3962 1.2550	1.4587 1.1722	1.2307	1.2038	Ave		1.288 3				8.1		30.0			
Trichlorofluoromethane	++++ 3.3153	3.8410 3.2386	3.8067 3.0138	3.1974	3.1123	Ave		3.360 7				9.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Pentane	++++ 3.1033	++++ 3.0729	3.4166 2.8440	2.9181	2.8923	Ave		3.041 2				6.9		30.0			
Ethanol	++++ 0.7768	++++ 0.7782	0.9873 0.7487	0.7588	0.7629	Ave		0.802 1				11.4		30.0			
Ethyl ether	++++ 1.1528	1.1326 1.1183	1.2095 1.0902	1.0666	1.0264	Ave		1.113 8				5.4		30.0			
Acrolein	++++ 0.6577	++++ 0.6385	++++ 0.6263	0.6013	0.5871	Ave		0.622 2				4.6		30.0			
1,1-Dichloroethene	2.0386 1.4647	1.6327 1.4333	1.6271 1.4164	1.3548	1.3504	Ave		1.539 7				14.9		30.0			
1,1,2-Trichlorotrifluoroethane	++++ 3.0527	3.3929 3.0201	3.3704 2.9244	2.8850	2.8188	Ave		3.066 3				7.5		30.0			
Acetone	++++ 2.8186	++++ 2.6973	++++ 2.7139	2.6865	2.5291	Ave		2.689 1				3.9		30.0			
Carbon disulfide	++++ 4.7756	++++ 4.6732	6.4106 4.6153	4.4917	4.4008	Ave		4.894 5				15.4		30.0			
Isopropyl alcohol	++++ 3.1787	++++ 3.0338	++++ 3.0754	2.9353	2.9290	Ave		3.030 4				3.4		30.0			
Acetonitrile	++++ 1.6989	++++ 1.6527	++++ 1.5812	1.5384	1.5246	Ave		1.599 2				4.7		30.0			
3-Chloropropene	++++ 2.7427	2.7796 2.6714	2.8678 2.5505	2.4368	2.5063	Ave		2.650 7				6.0		30.0			
Methylene Chloride	++++ 2.4435	++++ 2.3847	2.7689 2.2356	2.2824	2.2675	Ave		2.397 1				8.3		30.0			
tert-Butyl alcohol	++++ 3.7754	++++ 3.5632	++++ 3.5697	3.2421	3.4221	Ave		3.514 5				5.6		30.0			
Acrylonitrile	++++ 1.5350	++++ 1.4820	1.6475 1.4148	1.3310	1.3664	Ave		1.462 8				8.0		30.0			
trans-1,2-Dichloroethene	3.6464 2.8606	2.8594 2.7871	2.9042 2.7295	2.5064	2.5807	Ave		2.859 3				12.2		30.0			
Methyl tert-butyl ether	++++ 4.9990	4.7578 4.8113	4.7608 4.8296	4.1963	4.3407	Ave		4.670 8				6.2		30.0			
n-Hexane	++++ 3.2416	3.0916 3.1464	3.0759 2.9976	2.8880	2.9553	Ave		3.056 6				3.9		30.0			
1,1-Dichloroethane	4.6657 3.6438	3.7412 3.5541	3.8750 3.3877	3.2973	3.3170	Ave		3.685 2				12.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Vinyl acetate	+++++ 5.6370	+++++ 5.5133	+++++ 5.2198	4.7897	4.9551	Ave		5.223 0				6.9		30.0			
Methyl Ethyl Ketone (2-Butanone)	+++++ 0.9770	+++++ 0.9310	0.9701 0.9422	0.8621	0.8519	Ave		0.922 4				5.8		30.0			
cis-1,2-Dichloroethene	2.2885 1.8066	1.8243 1.7515	1.8443 1.7165	1.6095	1.6336	Ave		1.809 4				11.7		30.0			
Ethyl acetate	+++++ 0.1469	+++++ 0.1410	+++++ 0.1398	0.1293	0.1305	Ave		0.137 5				5.4		30.0			
Tetrahydrofuran	+++++ 0.5419	+++++ 0.5293	+++++ 0.5040	0.4946	0.4866	Ave		0.511 3				4.6		30.0			
Chloroform	+++++ 3.6325	3.9891 3.5181	3.8988 3.3813	3.3013	3.2952	Ave		3.573 8				7.9		30.0			
1,1,1-Trichloroethane	+++++ 0.6695	0.7187 0.6622	0.7075 0.6436	0.6166	0.6140	Ave		0.661 7				6.2		30.0			
Cyclohexane	+++++ 0.4665	0.4368 0.4607	0.4535 0.4447	0.4210	0.4251	Ave		0.444 0				3.9		30.0			
Carbon tetrachloride	0.8057 0.6786	0.7174 0.6738	0.7181 0.6509	0.6196	0.6208	Ave		0.685 6				9.0		30.0			
Benzene	+++++ 1.1173	1.1936 1.1037	1.2213 1.0633	1.0250	1.0198	Ave		1.106 3				7.1		30.0			
1,2-Dichloroethane	+++++ 0.4990	0.5469 0.4915	0.5483 0.4659	0.4628	0.4598	Ave		0.496 3				7.7		30.0			
2,2,4-Trimethylpentane	+++++ 2.1074	1.9494 2.0846	2.0174 1.9844	1.9028	1.9245	Ave		1.995 8				3.9		30.0			
n-Heptane	+++++ 0.8652	0.7761 0.8616	0.8128 0.8069	0.7820	0.7932	Ave		0.814 0				4.4		30.0			
n-Butanol	+++++ 0.3037	+++++ 0.2970	+++++ 0.2979	0.2716	0.2740	Ave		0.288 8				5.2		30.0			
Trichloroethene	0.5859 0.4572	0.4850 0.4537	0.4766 0.4475	0.4118	0.4149	Ave		0.466 6				11.7		30.0			
1,2-Dichloropropane	+++++ 0.4995	0.5089 0.4961	0.5073 0.4842	0.4456	0.4516	Ave		0.484 7				5.4		30.0			
Methyl methacrylate	+++++ 0.4396	+++++ 0.4347	0.3613 0.4358	0.3712	0.3854	Ave		0.404 7				8.9		30.0			
Dibromomethane	+++++ 0.3970	0.4055 0.3959	0.4046 0.3896	0.3579	0.3567	Ave		0.386 8				5.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	++++ 0.2343	0.2563 0.2311	0.2351 0.2385	0.2382	0.2108	Ave		0.234 9				5.7		30.0			
Bromodichloromethane	++++ 0.8032	0.7731 0.8003	0.8094 0.7817	0.7126	0.7253	Ave		0.772 2				5.0		30.0			
cis-1,3-Dichloropropene	++++ 0.7475	0.6214 0.7410	0.6731 0.7301	0.6308	0.6642	Ave		0.686 9				7.7		30.0			
4-Methyl-2-pentanone (Methyl isobutyl ketone)	++++ 1.1085	++++ 1.1099	1.0331 1.0696	1.0808	1.0260	Ave		1.071 3				3.4		30.0			
Toluene	++++ 0.8326	0.8241 0.8206	0.8163 0.8084	0.7359	0.7441	Ave		0.797 4				5.0		30.0			
n-Octane	++++ 1.2470	1.0285 1.2432	1.0835 1.1606	1.1124	1.1273	Ave		1.143 2				7.1		30.0			
trans-1,3-Dichloropropene	++++ 0.6003	0.4796 0.5994	0.5287 0.5911	0.5064	0.5272	Ave		0.547 5				9.0		30.0			
1,1,2-Trichloroethane	++++ 0.4389	0.4515 0.4324	0.4750 0.4273	0.4004	0.3923	Ave		0.431 1				6.6		30.0			
Tetrachloroethene	0.7721 0.6074	0.6434 0.6036	0.6485 0.5933	0.5545	0.5485	Ave		0.621 4				11.4		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 1.1102	++++ 1.1255	0.9509 1.0783	1.2136	1.0281	Ave		1.084 4				8.3		30.0			
Dibromochloromethane	++++ 0.8233	0.7099 0.8225	0.7837 0.8215	0.7079	0.7303	Ave		0.771 3				7.0		30.0			
1,2-Dibromoethane	++++ 0.7467	0.7097 0.7396	0.7408 0.7308	0.6600	0.6672	Ave		0.713 6				5.1		30.0			
Chlorobenzene	++++ 1.0920	1.1368 1.0790	1.1433 1.0609	0.9845	0.9724	Ave		1.067 0				6.3		30.0			
Ethylbenzene	++++ 1.9238	1.7614 1.9029	1.7832 1.8824	1.6779	1.6907	Ave		1.803 2				5.6		30.0			
m,p-Xylene	++++ 0.7359	0.6107 0.7299	0.6362 0.7245	0.6263	0.6398	Ave		0.671 9				8.2		30.0			
n-Nonane	++++ 1.1794	0.9457 1.1636	1.0587 1.1110	1.0474	1.0566	Ave		1.080 3				7.4		30.0			
o-Xylene	++++ 0.6976	0.5658 0.6927	0.5991 0.6938	0.5891	0.6062	Ave		0.634 9				9.0		30.0			
Styrene	++++ 1.1743	0.7769 1.1790	0.8856 1.1677	0.9353	1.0055	Ave		1.017 8				15.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bromoform	++++ 0.7990	0.5623 0.8132	0.6794 0.8234	0.6172	0.6990	Ave		0.713 4				14.3		30.0			
Cumene	++++ 2.1438	1.7091 2.1269	1.7548 2.0980	1.8085	1.8839	Ave		1.932 1				9.7		30.0			
1,1,2,2-Tetrachloroethane	++++ 1.2484	1.1527 1.2390	1.2107 1.2345	1.0976	1.1191	Ave		1.186 0				5.2		30.0			
1,2,3-Trichloropropane	++++ 0.9730	++++ 0.9625	0.9484 0.9555	0.8600	0.8776	Ave		0.929 5				5.2		30.0			
n-Propylbenzene	++++ 2.7288	2.1132 2.7077	2.3092 2.6783	2.3187	2.4295	Ave		2.469 3				9.7		30.0			
2-Chlorotoluene	++++ 1.6532	1.4889 1.6400	1.5209 1.6652	1.4182	1.4580	Ave		1.549 2				6.6		30.0			
4-Ethyltoluene	++++ 2.1501	1.6305 2.1396	1.7604 2.1237	1.8059	1.9162	Ave		1.932 4				10.9		30.0			
1,3,5-Trimethylbenzene	++++ 1.8469	1.4784 1.8490	1.5583 1.8328	1.5528	1.6450	Ave		1.680 5				9.5		30.0			
n-Decane	++++ 1.5889	++++ 1.5737	1.4005 1.4984	1.3843	1.4500	Ave		1.482 6				5.8		30.0			
Alpha Methyl Styrene	++++ 0.9465	0.5369 0.9479	0.6188 0.9571	0.7316	0.8254	Ave		0.794 9				21.5		30.0			
tert-Butylbenzene	++++ 1.7680	1.4193 1.7657	1.4748 1.7239	1.4875	1.5692	Ave		1.601 2				9.3		30.0			
1,2,4-Trimethylbenzene	++++ 1.9051	1.4624 1.8934	1.4876 1.8523	1.5616	1.6966	Ave		1.694 1				11.4		30.0			
sec-Butylbenzene	++++ 2.8382	2.1871 2.8331	2.2943 2.7275	2.3655	2.5260	Ave		2.538 8				10.5		30.0			
1,3-Dichlorobenzene	++++ 1.1652	0.8283 1.1729	0.9039 1.1875	0.9176	1.0230	Ave		1.028 3				14.5		30.0			
4-Isopropyltoluene	++++ 2.3604	1.6360 2.3537	1.7831 2.2932	1.9320	2.0877	Ave		2.063 7				14.0		30.0			
1,4-Dichlorobenzene	++++ 1.1387	0.7745 1.1442	0.8218 1.1690	0.8740	0.9906	Ave		0.987 5				16.8		30.0			
Benzyl chloride	++++ 1.6652	0.7505 1.6769	0.8669 1.7024	1.2132	1.4453	Ave		1.331 5				29.9		30.0			
n-Butylbenzene	++++ 2.4245	1.3948 2.4377	1.5228 2.3267	1.8674	2.1372	Ave		2.015 9				21.3		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	+++++ 1.1794	0.8259 1.1859	0.9492 1.1700	0.9375	1.0411	Ave		1.041 3				13.7		30.0			
n-Undecane	+++++ 1.7362	+++++ 1.7671	+++++ 1.6650	1.3515	1.6093	Ave		1.625 8				10.2		30.0			
n-Dodecane	+++++ 1.6081	+++++ 1.6588	+++++ 1.6227	1.0258	1.4720	Ave		1.477 5				17.8		30.0			
1,2,4-Trichlorobenzene	+++++ 0.6518	+++++ 0.6732	0.3126 0.7599	0.3753	0.5559	Ave		0.554 8				31.9	*	30.0			
Hexachlorobutadiene	+++++ 0.7960	0.7339 0.8337	0.7618 0.8573	0.6811	0.7351	Ave		0.771 3				8.0		30.0			
Naphthalene	+++++ 1.6656	0.7139 1.6785	0.7874 1.8132	0.9534	1.4532	Ave		1.295 0				35.8	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.6994	+++++ 0.7173	0.4313 0.7684	0.4759	0.6202	Ave		0.618 8				22.2		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-207672/4	61667-04.D
Level 2	IC 200-207672/5	61667-05.D
Level 3	IC 200-207672/7	61667-07.D
Level 4	IC 200-207672/9	61667-09.D
Level 5	ICIS 200-207672/10	61667-10.D
Level 6	IC 200-207672/11	61667-11.D
Level 7	IC 200-207672/14	61667-14.D
Level 8	IC 200-207672/15	61667-15.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Propylene	BCM	Ave	++++ 109147	++++ 160411	++++ 249216	32683	69660	++++ 15.0	++++ 20.0	++++ 40.0	4.24	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 405787	++++ 524851	++++ 988198	108577	253994	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
Chlorodifluoromethane	BCM	Ave	++++ 239439	++++ 318136	++++ 594882	66143	150284	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 425218	++++ 5769 570823	++++ 12434 1128889	115684	265613	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.24	10.00
Chloromethane	BCM	Ave	++++ 147758	++++ 192126	++++ 4376 372140	40261	92253	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
Vinyl chloride	BCM	Ave	797 245383	3083 318447	7155 642623	63422	148928	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Butane	BCM	Ave	++++ 392112	++++ 516091	++++ 11544 1027088	102116	240804	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
1,3-Butadiene	BCM	Ave	746 199500	2593 258843	5730 524992	51225	122056	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromomethane	BCM	Ave	++++ 231958	++++ 3225 297987	++++ 7030 602400	62211	144552	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.24	10.00
Chloroethane	BCM	Ave	++++ 117841	++++ 139827	++++ 3539 310769	31236	75141	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
Isopentane	BCM	Ave	++++ 229925	++++ 3020 298192	++++ 6752 620888	61082	141956	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.24	10.00
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 156647	++++ 1960 196903	++++ 4290 421611	40547	95852	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.24	10.00
Trichlorofluoromethane	BCM	Ave	++++ 399095	++++ 5392 508136	++++ 11195 1083976	105345	247817	++++ 15.0	++++ 0.170 20.0	++++ 0.425 40.0	4.24	10.00
n-Pentane	BCM	Ave	++++ 373572	++++ 482134	++++ 10048 1022893	96143	230300	++++ 15.0	++++ 20.0	++++ 0.425 40.0	4.24	10.00
Ethanol	BCM	Ave	++++ 124945	++++ 244233	++++ 29070 538649	50030	91157	++++ 20.0	++++ 40.0	++++ 4.26 80.0	8.49	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Ethyl ether	BCM	Ave	++++ 138775	1590 175464	3557 392110	35141	81726	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Acrolein	BCM	Ave	++++ 92714	++++ 117313	++++ 263797	23198	54741	++++ 17.6	++++ 23.4	++++ 46.8	4.97	11.7
1,1-Dichloroethene	BCM	Ave	620 176319	2292 224883	4785 509422	44636	107522	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,2-Trichlorotrifluoroethane	BCM	Ave	++++ 367487	4763 473860	9912 1051820	95053	224444	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Acetone	BCM	Ave	++++ 339300	++++ 423201	++++ 976112	88511	201377	++++ 15.0	++++ 20.0	++++ 40.0	4.24	10.00
Carbon disulfide	BCM	Ave	++++ 574888	++++ 733223	18853 1659952	147987	350411	++++ 15.0	++++ 20.0	0.425 40.0	4.24	10.00
Isopropyl alcohol	BCM	Ave	++++ 443485	++++ 551690	++++ 1281983	112088	270301	++++ 17.4	++++ 23.2	++++ 46.4	4.92	11.6
Acetonitrile	BCM	Ave	++++ 204510	++++ 259308	++++ 568721	50687	121392	++++ 15.0	++++ 20.0	++++ 40.0	4.24	10.00
3-Chloropropene	BCM	Ave	++++ 330167	3902 419137	8434 917332	80286	199562	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methylene Chloride	BCM	Ave	++++ 294151	++++ 374161	8143 804086	75197	180547	++++ 15.0	++++ 20.0	0.425 40.0	4.24	10.00
tert-Butyl alcohol	BCM	Ave	++++ 454484	++++ 559059	++++ 1283896	106818	272480	++++ 15.0	++++ 20.0	++++ 40.0	4.24	10.00
Acrylonitrile	BCM	Ave	++++ 184778	++++ 232530	4845 508839	43854	108799	++++ 15.0	++++ 20.0	0.425 40.0	4.24	10.00
trans-1,2-Dichloroethene	BCM	Ave	1109 344359	4014 437300	8541 981718	82578	205484	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 601777	6679 754889	14001 1737041	138256	345626	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Hexane	BCM	Ave	++++ 390219	4340 493665	9046 1078148	95152	235318	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1-Dichloroethane	BCM	Ave	1419 438640	5252 557641	11396 1218449	108637	264117	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Vinyl acetate	BCM	Ave	++++ 772896	++++ 985274	++++ 2138337	179743	449393	++++ 17.1	++++ 22.8	++++ 45.6	4.83	11.4
Methyl Ethyl Ketone (2-Butanone)	BCM	Ave	++++ 117616	++++ 146068	2853 338879	28403	67832	++++ 15.0	++++ 20.0	0.425 40.0	4.24	10.00
cis-1,2-Dichloroethene	BCM	Ave	696 217476	2561 274817	5424 617385	53027	130073	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Ethyl acetate	BCM	Ave	++++ 17683	++++ 22123	++++ 50289	4261	10388	++++ 15.0	++++ 20.0	++++ 40.0	4.24	10.00
Tetrahydrofuran	DFBZ	Ave	++++	++++	++++	82374	197293	++++	++++	++++	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
			333724	417185	910130			15.0	20.0	40.0		
Chloroform	BCM	Ave	++++ 437277	5600 551988	11466 1216145	108767	262376	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 412342	5108 521908	10492 1162269	102693	248986	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Cyclohexane	DFBZ	Ave	++++ 287288	3105 363064	6725 802991	70115	172389	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Carbon tetrachloride	DFBZ	Ave	1228 417903	5099 531081	10650 1175309	103194	251726	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Benzene	DFBZ	Ave	++++ 688075	8484 869851	18112 1920059	170699	413493	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichloroethane	DFBZ	Ave	++++ 307336	3887 387395	8132 841287	77079	186457	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	++++ 1297843	13856 1642962	29919 3583458	316883	780361	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Heptane	DFBZ	Ave	++++ 532864	5516 679079	12055 1457028	130230	321611	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Butanol	DFBZ	Ave	++++ 187010	++++ 234081	++++ 537896	45224	111107	++++ 15.0	++++ 20.0	++++ 40.0	4.24	10.00
Trichloroethene	DFBZ	Ave	893 281557	3447 357549	7069 808077	68573	168224	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dichloropropane	DFBZ	Ave	++++ 307603	3617 390958	7523 874274	74214	183130	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl methacrylate	DFBZ	Ave	++++ 270755	++++ 342616	5358 786871	61817	156258	++++ 15.0	++++ 20.0	0.425 40.0	4.24	10.00
Dibromomethane	DFBZ	Ave	++++ 244489	2882 312058	6001 703526	59604	144643	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,4-Dioxane	DFBZ	Ave	++++ 144281	1822 182163	3486 430598	39661	85495	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromodichloromethane	DFBZ	Ave	++++ 494632	5495 630712	12004 1411589	118675	294082	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	++++ 460339	4417 584000	9982 1318477	105050	269324	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
4-Methyl-2-pentanone (Methyl isobutyl ketone)	DFBZ	Ave	++++ 682694	++++ 874782	15322 1931457	179992	416027	++++ 15.0	++++ 20.0	0.425 40.0	4.24	10.00
Toluene	CBNzd 5	Ave	++++ 478989	5131 607673	10780 1371740	111288	279334	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
n-Octane	DFBZ	Ave	++++ 767983	7310 979812	16069 2095706	185257	457109	++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
trans-1,3-Dichloropropene	DFBZ	Ave	+++++ 369696	3409 472371	7841 1067313	84341	213765	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,2-Trichloroethane	CBNZd 5	Ave	+++++ 252472	2811 320228	6273 725135	60552	147289	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Tetrachloroethene	CBNZd 5	Ave	1024 349446	4006 446947	8564 1006788	83856	205913	0.0351 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZd 5	Ave	+++++ 638649	+++++ 833457	12557 1829814	183533	385959	+++++ 15.0	+++++ 20.0	0.425 40.0	4.24	10.00
Dibromochloromethane	CBNZd 5	Ave	+++++ 473619	4420 609067	10349 1394083	107062	274153	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,2-Dibromoethane	CBNZd 5	Ave	+++++ 429554	4419 547700	9783 1240134	99819	250481	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Chlorobenzene	CBNZd 5	Ave	+++++ 628200	7078 799025	15098 1800305	148881	365061	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Ethylbenzene	CBNZd 5	Ave	+++++ 1106747	10967 1409164	23548 3194328	253751	634716	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
m,p-Xylene	CBNZd 5	Ave	+++++ 846709	7605 1080945	16802 2458812	189442	480380	+++++ 30.0	0.341 40.0	0.851 80.0	8.49	20.0
n-Nonane	CBNZd 5	Ave	+++++ 678477	5888 861668	13980 1885325	158406	396644	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
o-Xylene	CBNZd 5	Ave	+++++ 401316	3523 512993	7911 1177387	89091	227572	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Styrene	CBNZd 5	Ave	+++++ 675565	4837 873080	11695 1981493	141452	377472	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Bromoform	CBNZd 5	Ave	+++++ 459657	3501 602220	8972 1397190	93336	262432	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
Cumene	CBNZd 5	Ave	+++++ 1233313	10641 1574984	23172 3560106	273506	707257	+++++ 15.0	0.170 20.0	0.425 40.0	4.24	10.00
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	+++++ 7177	15987	165989	420116	+++++	0.170	0.425	4.24	10.00	

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
			718177	917470	2094813			15.0	20.0	40.0		
1,2,3-Trichloropropane	CBNZd 5	Ave	++++	++++	12524	130063	329446	++++	++++	0.425	4.24	10.00
			559774	712754	1621473			15.0	20.0	40.0		
n-Propylbenzene	CBNZd 5	Ave	++++	13157	30494	350663	912048	++++	0.170	0.425	4.24	10.00
			1569851	2005111	4544789			15.0	20.0	40.0		
2-Chlorotoluene	CBNZd 5	Ave	++++	9270	20084	214470	547346	++++	0.170	0.425	4.24	10.00
			951059	1214436	2825782			15.0	20.0	40.0		
4-Ethyltoluene	CBNZd 5	Ave	++++	10152	23246	273110	719372	++++	0.170	0.425	4.24	10.00
			1236928	1584439	3603674			15.0	20.0	40.0		
1,3,5-Trimethylbenzene	CBNZd 5	Ave	++++	9205	20578	234833	617545	++++	0.170	0.425	4.24	10.00
			1062490	1369206	3110108			15.0	20.0	40.0		
n-Decane	CBNZd 5	Ave	++++	++++	18494	209343	544338	++++	++++	0.425	4.24	10.00
			914061	1165383	2542693			15.0	20.0	40.0		
Alpha Methyl Styrene	CBNZd 5	Ave	++++	3343	8172	110644	309883	++++	0.170	0.425	4.24	10.00
			544523	701955	1624075			15.0	20.0	40.0		
tert-Butylbenzene	CBNZd 5	Ave	++++	8837	19475	224956	589094	++++	0.170	0.425	4.24	10.00
			1017121	1307500	2925254			15.0	20.0	40.0		
1,2,4-Trimethylbenzene	CBNZd 5	Ave	++++	9105	19644	236159	636938	++++	0.170	0.425	4.24	10.00
			1095939	1402114	3143264			15.0	20.0	40.0		
sec-Butylbenzene	CBNZd 5	Ave	++++	13617	30297	357739	948311	++++	0.170	0.425	4.24	10.00
			1632766	2097961	4628327			15.0	20.0	40.0		
1,3-Dichlorobenzene	CBNZd 5	Ave	++++	5157	11936	138773	384051	++++	0.170	0.425	4.24	10.00
			670321	868521	2015010			15.0	20.0	40.0		
4-Isopropyltoluene	CBNZd 5	Ave	++++	10186	23546	292174	783747	++++	0.170	0.425	4.24	10.00
			1357869	1742942	3891322			15.0	20.0	40.0		
1,4-Dichlorobenzene	CBNZd 5	Ave	++++	4822	10852	132176	371878	++++	0.170	0.425	4.24	10.00
			655098	847324	1983718			15.0	20.0	40.0		
Benzyl chloride	CBNZd 5	Ave	++++	4673	11447	183472	542594	++++	0.170	0.425	4.24	10.00
			957973	1241761	2888751			15.0	20.0	40.0		

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
n-Butylbenzene	CBNZd 5	Ave	+++++	8684	20109	282408	802328	+++++	0.170	0.425	4.24	10.00
			1394756	1805185	3948282			15.0	20.0	40.0		
1,2-Dichlorobenzene	CBNZd 5	Ave	+++++	5142	12534	141779	390846	+++++	0.170	0.425	4.24	10.00
			678511	878163	1985411			15.0	20.0	40.0		
n-Undecane	CBNZd 5	Ave	+++++	+++++	+++++	204388	604143	+++++	+++++	+++++	4.24	10.00
			998818	1308599	2825434			15.0	20.0	40.0		
n-Dodecane	CBNZd 5	Ave	+++++	+++++	+++++	155126	552607	+++++	+++++	+++++	4.24	10.00
			925081	1228391	2753551			15.0	20.0	40.0		
1,2,4-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	4842	66579	244794	+++++	+++++	0.499	4.98	11.7
			439851	584775	1512532			17.6	23.5	46.9		
Hexachlorobutadiene	CBNZd 5	Ave	+++++	5136	11307	115780	310176	+++++	0.192	0.478	4.77	11.2
			514717	693912	1635135			16.9	22.5	45.0		
Naphthalene	CBNZd 5	Ave	+++++	5285	12363	171436	648677	+++++	0.203	0.506	5.05	11.9
			1139277	1477870	3658277			17.8	23.8	47.6		
1,2,3-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	6635	83853	271229	+++++	+++++	0.496	4.94	11.6
			468770	618842	1519083			17.5	23.3	46.6		

Curve Type Legend:

Ave = Average ISTD

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-207672/4	61667-04.D
Level 2	IC 200-207672/5	61667-05.D
Level 3	IC 200-207672/7	61667-07.D
Level 4	IC 200-207672/9	61667-09.D
Level 5	ICIS 200-207672/10	61667-10.D
Level 6	IC 200-207672/11	61667-11.D
Level 7	IC 200-207672/14	61667-14.D
Level 8	IC 200-207672/15	61667-15.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
Propylene	+++++ 13.9	+++++ -22.8	+++++	10.5	-2.6	1.0	30	30		50	30	30
Dichlorodifluoromethane	+++++ 1.2	+++++ -16.9	17.5	-0.3	-3.5	2.0	30	30	50	30	30	30
Chlorodifluoromethane	+++++ 1.5	+++++ -17.2	21.1	0.5	-5.5	-0.4	30	30	50	30	30	30
1,2-Dichlorotetrafluoroethane	+++++ -0.1	12.8 -13.8	16.1	-3.6	-8.4	-3.0	30	50 30	30	30	30	30
Chloromethane	+++++ -0.1	+++++ -15.6	21.4	-0.3	-5.5	0.1	30	30	50	30	30	30
Vinyl chloride	24.1 -3.9	4.0 -15.4	15.2	-8.9	-11.5	-3.5	50 30	30 30	30	30	30	30
n-Butane	+++++ 1.5	+++++ -11.9	21.1	-4.4	-6.7	0.5	30	30	50	30	30	30
1,3-Butadiene	39.1 -6.4	4.8 -17.2	10.5	-11.8	-13.0	-6.0	50 30	30 30	30	30	30	30
Bromomethane	+++++ -4.3	15.8 -15.6	20.4	-4.9	-8.5	-2.9	30	50 30	30	30	30	30
Chloroethane	+++++ -8.3	+++++ -11.1	23.9	-2.4	-2.9	0.8	30	30	50	30	30	30
Isopentane	+++++ -2.3	10.6 -11.3	18.0	-4.7	-8.4	-1.8	30	50 30	30	30	30	30
Bromoethene (Vinyl Bromide)	+++++ -2.6	8.4 -9.0	13.2	-4.5	-6.6	1.0	30	50 30	30	30	30	30
Trichlorofluoromethane	+++++ -3.6	14.3 -10.3	13.3	-4.9	-7.4	-1.4	30	50 30	30	30	30	30
n-Pentane	+++++ 1.0	+++++ -6.5	12.3	-4.0	-4.9	2.0	30	30	50	30	30	30
Ethanol	+++++ -3.0	+++++ -6.7	23.1	-5.4	-4.9	-3.2	30	30	50	30	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

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
Ethyl ether	+++++ 0.4	1.7 -2.1	8.6	-4.2	-7.8	3.5	30	50 30	30	30	30	30
Acrolein	+++++ 2.6	+++++ 0.7	+++++	-3.4	-5.6	5.7	30	30		50	30	30
1,1-Dichloroethene	32.4 -6.9	6.0 -8.0	5.7	-12.0	-12.3	-4.9	50 30	30 30	30	30	30	30
1,1,2-Trichlorotrifluoroethane	+++++ -1.5	10.6 -4.6	9.9	-5.9	-8.1	-0.4	30	50 30	30	30	30	30
Acetone	+++++ 0.3	+++++ 0.9	+++++	-0.1	-5.9	4.8	30	30		50	30	30
Carbon disulfide	+++++ -4.5	+++++ -5.7	31.0	-8.2	-10.1	-2.4	30	30	50	30	30	30
Isopropyl alcohol	+++++ 0.1	+++++ 1.5	+++++	-3.1	-3.3	4.9	30	30		50	30	30
Acetonitrile	+++++ 3.3	+++++ -1.1	+++++	-3.8	-4.7	6.2	30	30		50	30	30
3-Chloropropene	+++++ 0.8	4.9 -3.8	8.2	-8.1	-5.4	3.5	30	50 30	30	30	30	30
Methylene Chloride	+++++ -0.5	+++++ -6.7	15.5	-4.8	-5.4	1.9	30	30	50	30	30	30
tert-Butyl alcohol	+++++ 1.4	+++++ 1.6	+++++	-7.8	-2.6	7.4	30	30		50	30	30
Acrylonitrile	+++++ 1.3	+++++ -3.3	12.6	-9.0	-6.6	4.9	30	30	50	30	30	30
trans-1,2-Dichloroethene	27.5 -2.5	0.0 -4.5	1.6	-12.3	-9.7	0.0	50 30	30 30	30	30	30	30
Methyl tert-butyl ether	+++++ 3.0	1.9 3.4	1.9	-10.2	-7.1	7.0	30	50 30	30	30	30	30
n-Hexane	+++++ 2.9	1.1 -1.9	0.6	-5.5	-3.3	6.1	30	50 30	30	30	30	30
1,1-Dichloroethane	26.6 -3.6	1.5 -8.1	5.1	-10.5	-10.0	-1.1	50 30	30 30	30	30	30	30
Vinyl acetate	+++++ 5.6	+++++ -0.1	+++++	-8.3	-5.1	7.9	30	30		50	30	30
Methyl Ethyl Ketone (2-Butanone)	+++++ 0.9	+++++ 2.1	5.2	-6.5	-7.6	5.9	30	30	50	30	30	30
cis-1,2-Dichloroethene	26.5 -3.2	0.8 -5.1	1.9	-11.0	-9.7	-0.2	50 30	30 30	30	30	30	30
Ethyl acetate	+++++ 2.5	+++++ 1.7	+++++	-5.9	-5.1	6.8	30	30		50	30	30
Tetrahydrofuran	+++++ 3.5	+++++ -1.4	+++++	-3.3	-4.8	6.0	30	30		50	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

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
Chloroform	++++ -1.6	11.6 -5.4	9.1	-7.6	-7.8	1.6	30	50 30	30	30	30	30
1,1,1-Trichloroethane	++++ 0.1	8.6 -2.7	6.9	-6.8	-7.2	1.2	30	50 30	30	30	30	30
Cyclohexane	++++ 3.7	-1.6 0.1	2.1	-5.2	-4.3	5.1	30	50 30	30	30	30	30
Carbon tetrachloride	17.5 -1.7	4.6 -5.1	4.7	-9.6	-9.5	-1.0	50 30	30	30	30	30	30
Benzene	++++ -0.2	7.9 -3.9	10.4	-7.3	-7.8	1.0	30	50 30	30	30	30	30
1,2-Dichloroethane	++++ -1.0	10.2 -6.1	10.5	-6.7	-7.4	0.5	30	50 30	30	30	30	30
2,2,4-Trimethylpentane	++++ 4.5	-2.3 -0.6	1.1	-4.7	-3.6	5.6	30	50 30	30	30	30	30
n-Heptane	++++ 5.9	-4.7 -0.9	-0.1	-3.9	-2.6	6.3	30	50 30	30	30	30	30
n-Butanol	++++ 2.8	++++ 3.1	++++	-6.0	-5.1	5.1	30	30		50	30	30
Trichloroethene	25.6 -2.8	3.9 -4.1	2.2	-11.7	-11.1	-2.0	50 30	30 30	30	30	30	30
1,2-Dichloropropane	++++ 2.3	5.0 -0.1	4.6	-8.1	-6.8	3.0	30	50 30	30	30	30	30
Methyl methacrylate	++++ 7.4	++++ 7.7	-10.7	-8.3	-4.8	8.6	30	30	50	30	30	30
Dibromomethane	++++ 2.4	4.8 0.7	4.6	-7.5	-7.8	2.6	30	50 30	30	30	30	30
1,4-Dioxane	++++ -1.6	9.1 1.5	0.1	1.4	-10.2	-0.3	30	50 30	30	30	30	30
Bromodichloromethane	++++ 3.6	0.1 1.2	4.8	-7.7	-6.1	4.0	30	50 30	30	30	30	30
cis-1,3-Dichloropropene	++++ 7.9	-9.5 6.3	-2.0	-8.2	-3.3	8.8	30	50 30	30	30	30	30
4-Methyl-2-pentanone (Methyl isobutyl ketone)	++++ 3.6	++++ -0.2	-3.6	0.9	-4.2	3.5	30	30	50	30	30	30
Toluene	++++ 2.9	3.3 1.4	2.4	-7.7	-6.7	4.4	30	50 30	30	30	30	30
n-Octane	++++ 8.7	-10.0 1.5	-5.2	-2.7	-1.4	9.1	30	50 30	30	30	30	30
trans-1,3-Dichloropropene	++++ 9.5	-12.4 8.0	-3.4	-7.5	-3.7	9.6	30	50 30	30	30	30	30
1,1,2-Trichloroethane	++++ 0.3	4.7 -0.9	10.2	-7.1	-9.0	1.8	30	50 30	30	30	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

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
Tetrachloroethene	24.2 -2.9	3.5 -4.5	4.4	-10.8	-11.7	-2.2	50 30	30 30	30	30	30	30
Methyl Butyl Ketone (2-Hexanone)	++++ 3.8	++++ -0.6	-12.3	11.9	-5.2	2.4	30	30	50	30	30	30
Dibromochloromethane	++++ 6.6	-8.0 6.5	1.6	-8.2	-5.3	6.7	30	50 30	30	30	30	30
1,2-Dibromoethane	++++ 3.7	-0.5 2.4	3.8	-7.5	-6.5	4.6	30	50 30	30	30	30	30
Chlorobenzene	++++ 1.1	6.5 -0.6	7.2	-7.7	-8.9	2.3	30	50 30	30	30	30	30
Ethylbenzene	++++ 5.5	-2.3 4.4	-1.1	-6.9	-6.2	6.7	30	50 30	30	30	30	30
m,p-Xylene	++++ 8.6	-9.1 7.8	-5.3	-6.8	-4.8	9.5	30	50 30	30	30	30	30
n-Nonane	++++ 7.7	-12.5 2.8	-2.0	-3.0	-2.2	9.2	30	50 30	30	30	30	30
o-Xylene	++++ 9.1	-10.9 9.3	-5.6	-7.2	-4.5	9.9	30	50 30	30	30	30	30
Styrene	++++ 15.8	-23.7 14.7	-13.0	-8.1	-1.2	15.4	30	50 30	30	30	30	30
Bromoform	++++ 14.0	-21.2 15.4	-4.8	-13.5	-2.0	12.0	30	50 30	30	30	30	30
Cumene	++++ 10.1	-11.5 8.6	-9.2	-6.4	-2.5	11.0	30	50 30	30	30	30	30
1,1,2,2-Tetrachloroethane	++++ 4.5	-2.8 4.1	2.1	-7.5	-5.6	5.3	30	50 30	30	30	30	30
1,2,3-Trichloropropane	++++ 3.5	++++ 2.8	2.0	-7.5	-5.6	4.7	30	30	50	30	30	30
n-Propylbenzene	++++ 9.7	-14.4 8.5	-6.5	-6.1	-1.6	10.5	30	50 30	30	30	30	30
2-Chlorotoluene	++++ 5.9	-3.9 7.5	-1.8	-8.5	-5.9	6.7	30	50 30	30	30	30	30
4-Ethyltoluene	++++ 10.7	-15.6 9.9	-8.9	-6.5	-0.8	11.3	30	50 30	30	30	30	30
1,3,5-Trimethylbenzene	++++ 10.0	-12.0 9.1	-7.3	-7.6	-2.1	9.9	30	50 30	30	30	30	30
n-Decane	++++ 6.1	++++ 1.1	-5.5	-6.6	-2.2	7.2	30	30	50	30	30	30
Alpha Methyl Styrene	++++ 19.2	-32.5 20.4	-22.1	-8.0	3.8	19.1	30	50 30	30	30	30	30
tert-Butylbenzene	++++ 10.3	-11.4 7.7	-7.9	-7.1	-2.0	10.4	30	50 30	30	30	30	30

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Burlington Job No.: 200-75030-1 Analy Batch No.: 207672

SDG No.: _____

Instrument ID: CHX.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/16/2024 17:42 Calibration End Date: 08/17/2024 04:14 Calibration ID: 53334

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,2,4-Trimethylbenzene	++++ 11.8	-13.7 9.3	-12.2	-7.8	0.1	12.4	30	50 30	30	30	30	30
sec-Butylbenzene	++++ 11.6	-13.9 7.4	-9.6	-6.8	-0.5	11.8	30	50 30	30	30	30	30
1,3-Dichlorobenzene	++++ 14.1	-19.5 15.5	-12.1	-10.8	-0.5	13.3	30	50 30	30	30	30	30
4-Isopropyltoluene	++++ 14.1	-20.7 11.1	-13.6	-6.4	1.2	14.4	30	50 30	30	30	30	30
1,4-Dichlorobenzene	++++ 15.9	-21.6 18.4	-16.8	-11.5	0.3	15.3	30	50 30	30	30	30	30
Benzyl chloride	++++ 25.9	-43.6 27.9	-34.9 *	-8.9	8.6	25.1	30	50 30	30	30	30	30
n-Butylbenzene	++++ 20.9	-30.8 15.4	-24.5	-7.4	6.0	20.3	30	50 30	30	30	30	30
1,2-Dichlorobenzene	++++ 13.9	-20.7 12.4	-8.8	-10.0	0.0	13.3	30	50 30	30	30	30	30
n-Undecane	++++ 8.7	++++ 2.4	++++	-16.9	-1.0	6.8	30	30		50	30	30
n-Dodecane	++++ 12.3	++++ 9.8	++++	-30.6	-0.4	8.8	30	30		50	30	30
1,2,4-Trichlorobenzene	++++ 21.3	++++ 37.0 *	-43.7	-32.3 *	0.2	17.5	30	30	50	30	30	30
Hexachlorobutadiene	++++ 8.1	-4.8 11.2	-1.2	-11.7	-4.7	3.2	30	50 30	30	30	30	30
Naphthalene	++++ 29.6	-44.9 40.0 *	-39.2 *	-26.4	12.2	28.6	30	50 30	30	30	30	30
1,2,3-Trichlorobenzene	++++ 15.9	++++ 24.2	-30.3	-23.1	0.2	13.0	30	30	50	30	30	30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-04.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 16-Aug-2024 17:42:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0061667-004
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Aug-2024 08:45:02 Calib Date: 17-Aug-2024 04:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: BKZ7

Date: 17-Aug-2024 08:25:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.243				ND	ND	
3 Dichlorodifluoromethane	85	4.334	4.339	-0.005	94	1356	0.0351	0.0473	
4 Chlorodifluoromethane	51	4.382	4.382	0.000	93	873	0.0351	0.0504	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.687	4.698	-0.011	55	1475	0.0351	0.0467	
6 Chloromethane	50	4.805	4.816	-0.011	86	524	0.0351	0.0493	
7 Vinyl chloride	62	5.105	5.120	-0.015	61	797	0.0351	0.0435	
8 Butane	43	5.110	5.120	-0.010	92	1874	0.0351	0.0667	
9 Butadiene	54	5.222	5.233	-0.011	89	746	0.0351	0.0488	
10 Bromomethane	94	5.918	5.934	-0.016	89	882	0.0351	0.0513	
12 Chloroethane	64	6.185	6.190	-0.005	82	289	0.0351	0.0343	
13 2-Methylbutane	43	6.399	6.399	0.000	86	885	0.0351	0.0525	
14 Vinyl bromide	106	6.603	6.613	-0.011	91	268	0.0351	0.0240	
15 Trichlorofluoromethane	101	6.763	6.774	-0.011	94	1313	0.0351	0.0451	
16 Pentane	43	6.966	6.977	-0.011	93	1427	0.0351	0.0541	
17 Ethanol	45	7.244	7.202	0.042	98	3283	0.0702	0.4721	
18 Ethyl ether	59	7.448	7.405	0.043	85	397	0.0351	0.0411	
19 Acrolein	56		7.640				ND	ND	
20 1,1-Dichloroethene	96	7.828	7.827	0.001	93	620	0.0351	0.0464	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.860	7.870	-0.010	91	1115	0.0351	0.0419	
22 Acetone	43	7.983	7.929	0.054	95	3282	0.0351	0.1408	
24 Carbon disulfide	76	8.218	8.229	-0.011	99	5997	0.0351	0.1413	
23 Isopropyl alcohol	45	8.325	8.261	0.064	97	5140	0.0407	0.1956	
25 Acetonitrile	41	8.454	8.421	0.033	95	742	0.0351	0.0535	
27 3-Chloro-1-propene	41	8.518	8.518	0.000	84	1019	0.0351	0.0443	
28 Methylene Chloride	49	8.748	8.753	-0.005	95	1405	0.0351	0.0676	
29 2-Methyl-2-propanol	59	9.122	9.036	0.086	87	1272	0.0351	0.0417	
30 Acrylonitrile	53	9.165	9.154	0.011	93	701	0.0351	0.0553	
32 trans-1,2-Dichloroethene	61	9.235	9.240	-0.005	94	1109	0.0351	0.0447	
31 Methyl tert-butyl ether	73	9.342	9.266	0.076	91	1777	0.0351	0.0439	
S 33 1,2-Dichloroethene, Total	61				0		0.0702	0.0891	
34 Hexane	57	9.732	9.743	-0.011	88	1159	0.0351	0.0437	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 1,1-Dichloroethane	63	10.000	9.999	0.001	94	1419	0.0351	0.0444	
35 Vinyl acetate	43	10.026	10.015	0.011	98	2171	0.0400	0.0479	
37 2-Butanone (MEK)	72		10.973				ND	ND	
38 cis-1,2-Dichloroethene	96	10.995	10.989	0.006	88	696	0.0351	0.0444	M
39 Ethyl acetate	88		11.053				ND	ND	
* 40 Chlorobromomethane	128	11.390	11.390	0.000	96	86705	10.0	10.0	
41 Tetrahydrofuran	42	11.508	11.455	0.053	81	1015	0.0351	0.0457	
42 Chloroform	83	11.567	11.567	0.000	93	1422	0.0351	0.0459	
43 1,1,1-Trichloroethane	97	11.867	11.866	0.001	88	1312	0.0351	0.0456	
44 Cyclohexane	84	12.000	12.006	-0.006	70	490	0.0351	0.0254	
45 Carbon tetrachloride	117	12.145	12.145	0.000	85	1228	0.0351	0.0412	
46 Benzene	78	12.487	12.487	0.000	93	2436	0.0351	0.0507	
47 1,2-Dichloroethane	62	12.567	12.562	0.005	86	965	0.0351	0.0447	
48 Isooctane	57	12.701	12.701	0.000	91	3691	0.0351	0.0426	
49 n-Heptane	43	13.006	13.006	0.000	89	1478	0.0351	0.0418	
* 50 1,4-Difluorobenzene	114	13.220	13.220	0.000	96	434495	10.0	10.0	
51 n-Butanol	56	13.530	13.503	0.027	83	980	0.0351	0.0781	
52 Trichloroethene	95	13.643	13.648	-0.005	87	893	0.0351	0.0441	
55 1,2-Dichloropropane	63		14.097				ND	ND	
56 Methyl methacrylate	69		14.199				ND	ND	
58 Dibromomethane	174	14.247	14.258	-0.011	85	665	0.0351	0.0396	
57 1,4-Dioxane	88	14.376	14.268	0.108	84	486	0.0351	0.0476	
59 Dichlorobromomethane	83	14.574	14.568	0.006	90	714	0.0351	0.0213	
60 cis-1,3-Dichloropropene	75	15.371	15.365	0.006	87	1186	0.0351	0.0397	
62 4-Methyl-2-pentanone (MIBK)	43	15.708	15.649	0.059	94	2808	0.0351	0.0603	
63 Toluene	92	15.991	15.996	-0.005	87	1352	0.0351	0.0448	
A 64 Toluene Range	1	16.010	(15.938-16.082)		0	4302	NC	NC	
66 n-Octane	43	16.243	16.248	-0.005	77	1839	0.0351	0.0370	
A 65 C8 Range	1	16.248	(16.173-16.323)		0	2979	NC	NC	
67 trans-1,3-Dichloropropene	75	16.419	16.414	0.005	84	884	0.0351	0.0372	
68 1,1,2-Trichloroethane	83		16.788				ND	ND	
69 Tetrachloroethene	166	16.981	16.986	-0.005	85	1024	0.0351	0.0436	
70 2-Hexanone	43	17.254	17.232	0.022	83	2178	0.0351	0.0531	
71 Chlorodibromomethane	129	17.516	17.521	-0.005	86	1108	0.0351	0.0380	
72 Ethylene Dibromide	107	17.751	17.756	-0.005	97	975	0.0351	0.0361	
* 73 Chlorobenzene-d5	117	18.666	18.666	0.000	91	378109	10.0	10.0	
74 Chlorobenzene	112	18.720	18.725	-0.005	92	1801	0.0351	0.0446	
75 Ethylbenzene	91	18.918	18.912	0.006	93	3294	0.0351	0.0483	
76 m-Xylene & p-Xylene	106	19.174	19.169	0.005	0	2112	0.0702	0.0831	
77 n-Nonane	57	19.239	19.238	0.000	92	1510	0.0351	0.0370	
S 78 Xylenes, Total	106				0		0.1052	0.1225	
79 o-Xylene	106	19.950	19.945	0.006	87	946	0.0351	0.0394	
80 Styrene	104	19.987	19.982	0.005	91	1362	0.0351	0.0354	
81 Bromoform	173	20.330	20.335	-0.005	89	906	0.0351	0.0336	
82 Isopropylbenzene	105	20.656	20.651	0.005	94	2924	0.0351	0.0400	
83 1,1,2,2-Tetrachloroethane	83	21.186	21.180	0.006	90	2130	0.0351	0.0475	
84 1,2,3-Trichloropropane	75	21.277	21.277	0.000	88	1649	0.0351	0.0469	
85 N-Propylbenzene	91	21.378	21.373	0.005	97	3479	0.0351	0.0373	
86 2-Chlorotoluene	91	21.517	21.523	-0.006	91	2574	0.0351	0.0439	
87 4-Ethyltoluene	105	21.571	21.571	0.000	96	2694	0.0351	0.0369	
88 1,3,5-Trimethylbenzene	105	21.667	21.667	0.000	91	2643	0.0351	0.0416	
89 n-Decane	57	21.705	21.699	0.006	85	2762	0.0351	0.0493	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	21.999	21.999	0.000	83	862	0.0351	0.0287	
91 tert-Butylbenzene	119	22.154	22.149	0.005	88	2467	0.0351	0.0407	
92 1,2,4-Trimethylbenzene	105	22.240	22.240	0.000	93	2453	0.0351	0.0383	
93 sec-Butylbenzene	105	22.475	22.475	0.000	98	3951	0.0351	0.0412	
94 1,3-Dichlorobenzene	146	22.652	22.651	0.001	91	1224	0.0351	0.0315	
95 4-Isopropyltoluene	119	22.694	22.689	0.005	95	2673	0.0351	0.0343	
96 1,4-Dichlorobenzene	146	22.791	22.791	0.000	92	1120	0.0351	0.0300	
97 Benzyl chloride	91	22.941	22.935	0.005	91	1356	0.0351	0.0269	
98 n-Butylbenzene	91	23.240	23.240	0.000	95	2279	0.0351	0.0299	
99 1,2-Dichlorobenzene	146	23.278	23.277	0.001	90	1498	0.0351	0.0380	
100 Undecane	57	23.385	23.390	-0.005	90	1587	0.0351	0.0258	
101 Dodecane	57	24.936	24.936	0.000	83	940	0.0351	0.0168	
102 1,2,4-Trichlorobenzene	180	25.674	25.663	0.011	75	516	0.0411	0.0246	
103 Hexachlorobutadiene	225	25.899	25.904	-0.005	88	1547	0.0394	0.0530	
104 Naphthalene	128	26.134	26.129	0.005	93	1863	0.0417	0.0380	
105 1,2,3-Trichlorobenzene	180	26.541	26.535	0.006	81	655	0.0409	0.0280	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00271

Amount Added: 35.00

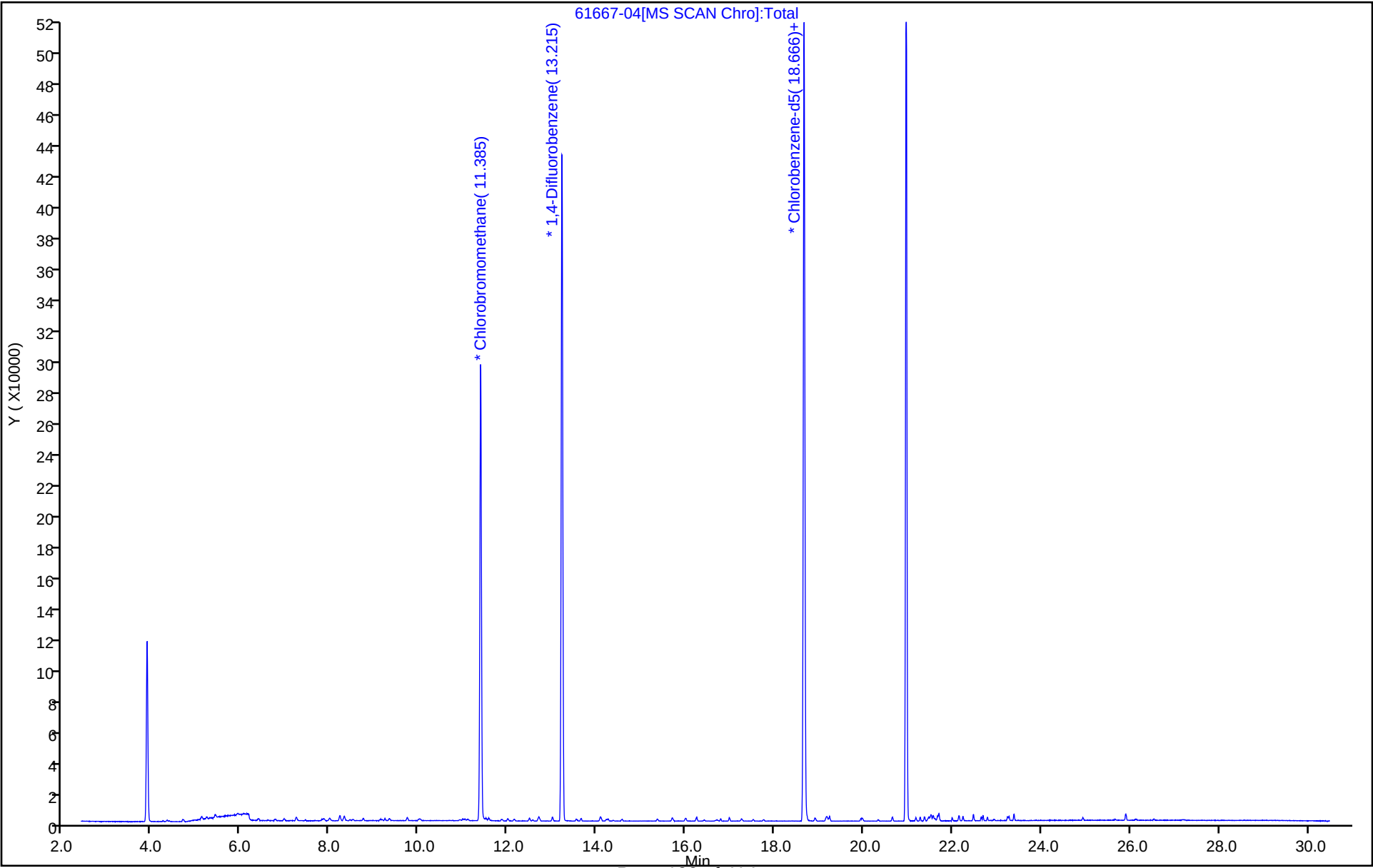
Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent



Eurofins Burlington

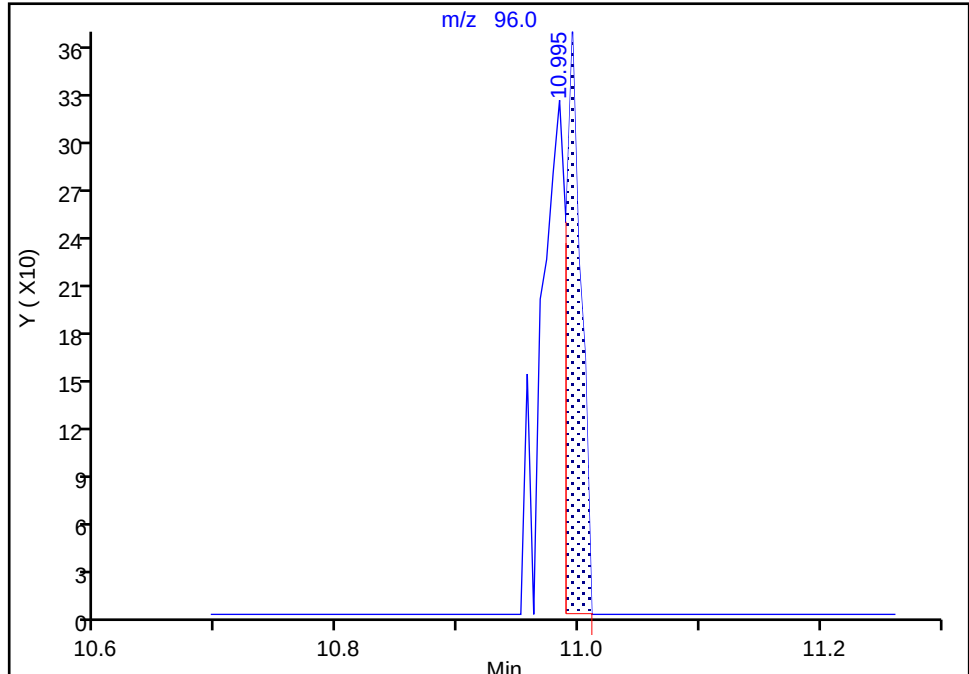
Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-04.D
Injection Date: 16-Aug-2024 17:42:30 Instrument ID: CHX.i
Lims ID: ic
Client ID:
Operator ID: wrd ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

38 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

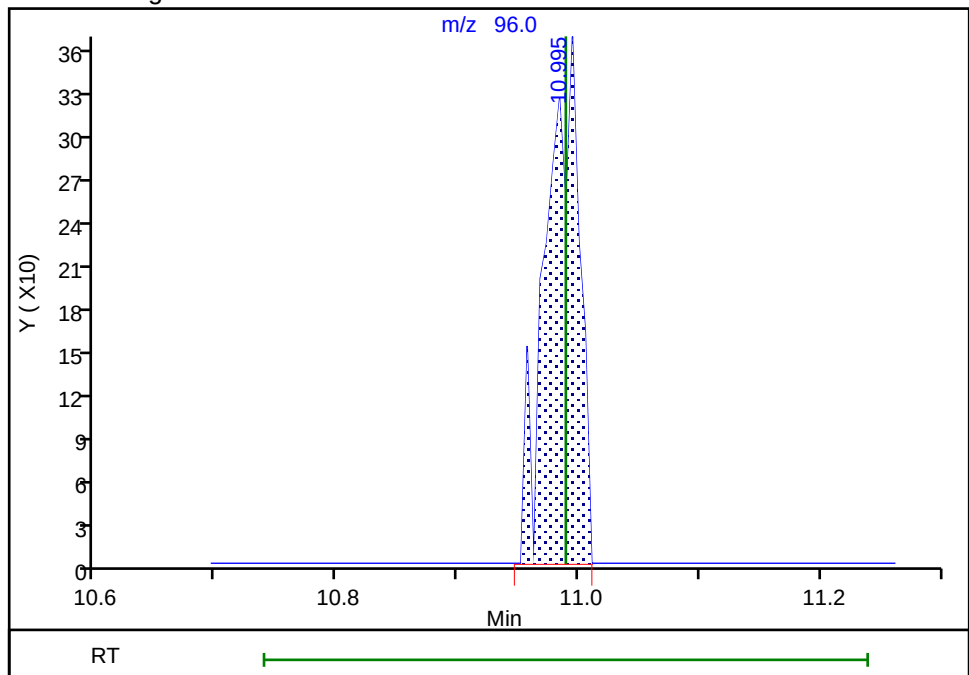
RT: 10.99
Area: 320
Amount: 0.022634
Amount Units: ppb v/v

Processing Integration Results



RT: 10.99
Area: 696
Amount: 0.044365
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 17-Aug-2024 08:17:37 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-05.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 16-Aug-2024 18:38:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0061667-005
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Aug-2024 08:45:05 Calib Date: 17-Aug-2024 04:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: BKZ7

Date: 17-Aug-2024 08:29:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.243	4.243	0.000	96	1834	0.1704	0.2479	
3 Dichlorodifluoromethane	85	4.340	4.339	0.001	98	5279	0.1704	0.1938	
4 Chlorodifluoromethane	51	4.393	4.382	0.011	96	3358	0.1704	0.2040	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.698	4.698	0.000	93	5769	0.1704	0.1922	
6 Chloromethane	50	4.816	4.816	0.000	96	2099	0.1704	0.2078	
7 Vinyl chloride	62	5.115	5.120	-0.005	73	3083	0.1704	0.1771	
8 Butane	43	5.115	5.120	-0.005	98	5459	0.1704	0.2044	
9 Butadiene	54	5.233	5.233	0.000	94	2593	0.1704	0.1785	
10 Bromomethane	94	5.928	5.934	-0.006	96	3225	0.1704	0.1972	
12 Chloroethane	64	6.196	6.190	0.006	90	1356	0.1704	0.1694	
13 2-Methylbutane	43	6.394	6.399	-0.005	90	3020	0.1704	0.1884	
14 Vinyl bromide	106	6.608	6.613	-0.005	96	1960	0.1704	0.1846	
15 Trichlorofluoromethane	101	6.768	6.774	-0.006	98	5392	0.1704	0.1947	
16 Pentane	43	6.972	6.977	-0.005	96	4878	0.1704	0.1947	
17 Ethanol	45	7.239	7.202	0.037	100	5599	0.3408	0.8472	
18 Ethyl ether	59	7.442	7.405	0.037	89	1590	0.1704	0.1733	
19 Acrolein	56	7.662	7.640	0.022	92	1029	0.1995	0.2007	
20 1,1-Dichloroethene	96	7.828	7.827	0.001	94	2292	0.1704	0.1807	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.870	7.870	0.000	95	4763	0.1704	0.1885	
22 Acetone	43	7.988	7.929	0.059	97	8128	0.1704	0.3668	
24 Carbon disulfide	76	8.223	8.229	-0.006	100	10995	0.1704	0.2726	
23 Isopropyl alcohol	45	8.314	8.261	0.053	97	8660	0.1975	0.3468	
25 Acetonitrile	41	8.448	8.421	0.027	95	2791	0.1704	0.2118	
27 3-Chloro-1-propene	41	8.518	8.518	0.000	96	3902	0.1704	0.1787	
28 Methylene Chloride	49	8.753	8.753	0.000	97	4049	0.1704	0.2050	
29 2-Methyl-2-propanol	59	9.133	9.036	0.097	96	5089	0.1704	0.1757	
30 Acrylonitrile	53	9.176	9.154	0.022	93	2222	0.1704	0.1844	
32 trans-1,2-Dichloroethene	61	9.245	9.240	0.005	94	4014	0.1704	0.1704	
31 Methyl tert-butyl ether	73	9.342	9.266	0.076	95	6679	0.1704	0.1735	
S 33 1,2-Dichloroethene, Total	61				0		0.3407	0.3422	
34 Hexane	57	9.737	9.743	-0.006	91	4340	0.1704	0.1723	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 1,1-Dichloroethane	63	9.994	9.999	-0.005	97	5252	0.1704	0.1730	
35 Vinyl acetate	43	10.032	10.015	0.017	99	7331	0.1941	0.1703	
37 2-Butanone (MEK)	72	11.027	10.973	0.054	99	1459	0.1704	0.1920	
38 cis-1,2-Dichloroethene	96	10.989	10.989	0.000	96	2561	0.1704	0.1718	
39 Ethyl acetate	88		11.053				ND	ND	
* 40 Chlorobromomethane	128	11.391	11.390	0.000	96	82396	10.0	10.0	
41 Tetrahydrofuran	42	11.503	11.455	0.048	91	3877	0.1704	0.1818	
42 Chloroform	83	11.567	11.567	0.000	96	5600	0.1704	0.1902	
43 1,1,1-Trichloroethane	97	11.872	11.866	0.006	96	5108	0.1704	0.1850	
44 Cyclohexane	84	12.000	12.006	-0.006	91	3105	0.1704	0.1676	
45 Carbon tetrachloride	117	12.145	12.145	0.000	96	5099	0.1704	0.1783	
46 Benzene	78	12.487	12.487	0.000	98	8484	0.1704	0.1838	
47 1,2-Dichloroethane	62	12.567	12.562	0.005	94	3887	0.1704	0.1877	
48 Isooctane	57	12.701	12.701	0.000	96	13856	0.1704	0.1664	
49 n-Heptane	43	13.006	13.006	0.000	93	5516	0.1704	0.1624	
* 50 1,4-Difluorobenzene	114	13.220	13.220	0.000	96	417186	10.0	10.0	
51 n-Butanol	56	13.541	13.503	0.038	96	3470	0.1704	0.2880	
52 Trichloroethene	95	13.648	13.648	0.000	93	3447	0.1704	0.1771	
55 1,2-Dichloropropane	63	14.097	14.097	0.000	78	3617	0.1704	0.1789	
56 Methyl methacrylate	69	14.215	14.199	0.016	88	2395	0.1704	0.1419	
58 Dibromomethane	174	14.258	14.258	0.000	92	2882	0.1704	0.1786	
57 1,4-Dioxane	88	14.381	14.268	0.113	94	1822	0.1704	0.1859	
59 Dichlorobromomethane	83	14.568	14.568	0.000	97	5495	0.1704	0.1706	
60 cis-1,3-Dichloropropene	75	15.360	15.365	-0.005	96	4417	0.1704	0.1541	
62 4-Methyl-2-pentanone (MIBK)	43	15.702	15.649	0.053	99	7806	0.1704	0.1747	
63 Toluene	92	15.997	15.996	0.001	92	5131	0.1704	0.1761	
A 64 Toluene Range	1	16.010	(15.938-16.082)		0	18860	NC	NC	
66 n-Octane	43	16.248	16.248	0.000	95	7310	0.1704	0.1533	
A 65 C8 Range	1	16.248	(16.173-16.323)		0	24306	NC	NC	
67 trans-1,3-Dichloropropene	75	16.414	16.414	0.000	96	3409	0.1704	0.1492	
68 1,1,2-Trichloroethane	83	16.783	16.788	-0.005	92	2811	0.1704	0.1784	
69 Tetrachloroethene	166	16.986	16.986	0.000	92	4006	0.1704	0.1764	
70 2-Hexanone	43	17.264	17.232	0.032	90	6657	0.1704	0.1680	
71 Chlorodibromomethane	129	17.521	17.521	0.000	94	4420	0.1704	0.1568	
72 Ethylene Dibromide	107	17.762	17.756	0.006	95	4419	0.1704	0.1695	
* 73 Chlorobenzene-d5	117	18.666	18.666	0.000	90	365442	10.0	10.0	
74 Chlorobenzene	112	18.725	18.725	0.000	96	7078	0.1704	0.1815	
75 Ethylbenzene	91	18.912	18.912	0.000	98	10967	0.1704	0.1664	
76 m-Xylene & p-Xylene	106	19.180	19.169	0.011	0	7605	0.3407	0.3097	
77 n-Nonane	57	19.233	19.238	-0.005	93	5888	0.1704	0.1491	
S 78 Xylenes, Total	106				0		0.5111	0.4616	
79 o-Xylene	106	19.945	19.945	0.001	96	3523	0.1704	0.1518	
80 Styrene	104	19.987	19.982	0.005	97	4837	0.1704	0.1300	
81 Bromoform	173	20.335	20.335	0.000	92	3501	0.1704	0.1343	
82 Isopropylbenzene	105	20.651	20.651	0.000	97	10641	0.1704	0.1507	
83 1,1,2,2-Tetrachloroethane	83	21.180	21.180	0.000	97	7177	0.1704	0.1656	
84 1,2,3-Trichloropropane	75	21.277	21.277	0.000	95	5640	0.1704	0.1660	
85 N-Propylbenzene	91	21.373	21.373	0.000	98	13157	0.1704	0.1458	
86 2-Chlorotoluene	91	21.523	21.523	0.000	97	9270	0.1704	0.1637	
87 4-Ethyltoluene	105	21.571	21.571	0.000	98	10152	0.1704	0.1438	
88 1,3,5-Trimethylbenzene	105	21.667	21.667	0.000	93	9205	0.1704	0.1499	
89 n-Decane	57	21.699	21.699	0.000	87	7065	0.1704	0.1304	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	21.999	21.999	0.000	82	3343	0.1704	0.1151	
91 tert-Butylbenzene	119	22.149	22.149	0.000	89	8837	0.1704	0.1510	
92 1,2,4-Trimethylbenzene	105	22.240	22.240	0.000	98	9105	0.1704	0.1471	
93 sec-Butylbenzene	105	22.480	22.475	0.005	98	13617	0.1704	0.1468	
94 1,3-Dichlorobenzene	146	22.652	22.651	0.001	97	5157	0.1704	0.1372	
95 4-Isopropyltoluene	119	22.689	22.689	0.000	96	10186	0.1704	0.1351	
96 1,4-Dichlorobenzene	146	22.791	22.791	0.000	92	4822	0.1704	0.1336	
97 Benzyl chloride	91	22.941	22.935	0.006	97	4673	0.1704	0.0960	
98 n-Butylbenzene	91	23.240	23.240	0.000	98	8684	0.1704	0.1179	
99 1,2-Dichlorobenzene	146	23.278	23.277	0.001	93	5142	0.1704	0.1351	
100 Undecane	57	23.390	23.390	0.000	92	6054	0.1704	0.1019	
101 Dodecane	57	24.936	24.936	0.000	90	3966	0.1704	0.0735	
102 1,2,4-Trichlorobenzene	180	25.669	25.663	0.006	90	1913	0.1998	0.0944	
103 Hexachlorobutadiene	225	25.899	25.904	-0.005	96	5136	0.1915	0.1822	
104 Naphthalene	128	26.129	26.129	0.000	98	5285	0.2026	0.1117	
105 1,2,3-Trichlorobenzene	180	26.536	26.535	0.001	94	2717	0.1985	0.1202	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

ATTO15CAL1w_00271

Amount Added: 170.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 17-Aug-2024 08:45:06

Chrom Revision: 2.3 16-Jul-2024 14:17:34

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-05.D

Injection Date: 16-Aug-2024 18:38:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

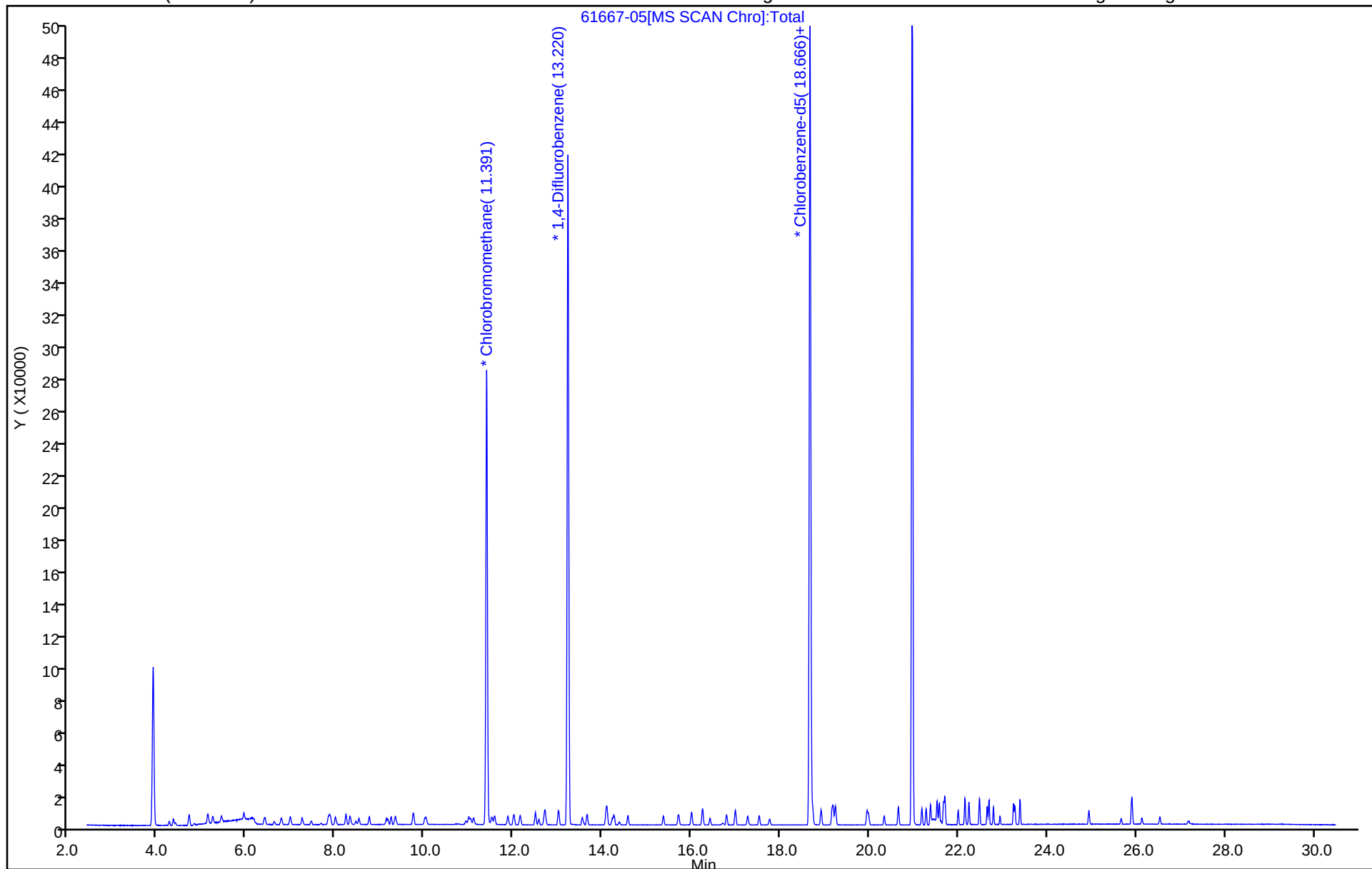
ALS Bottle#: 5

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-05.D

Injection Date: 16-Aug-2024 18:38:30

Instrument ID: CHX.i

Lims ID: ic

Client ID:

Operator ID: wrd

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

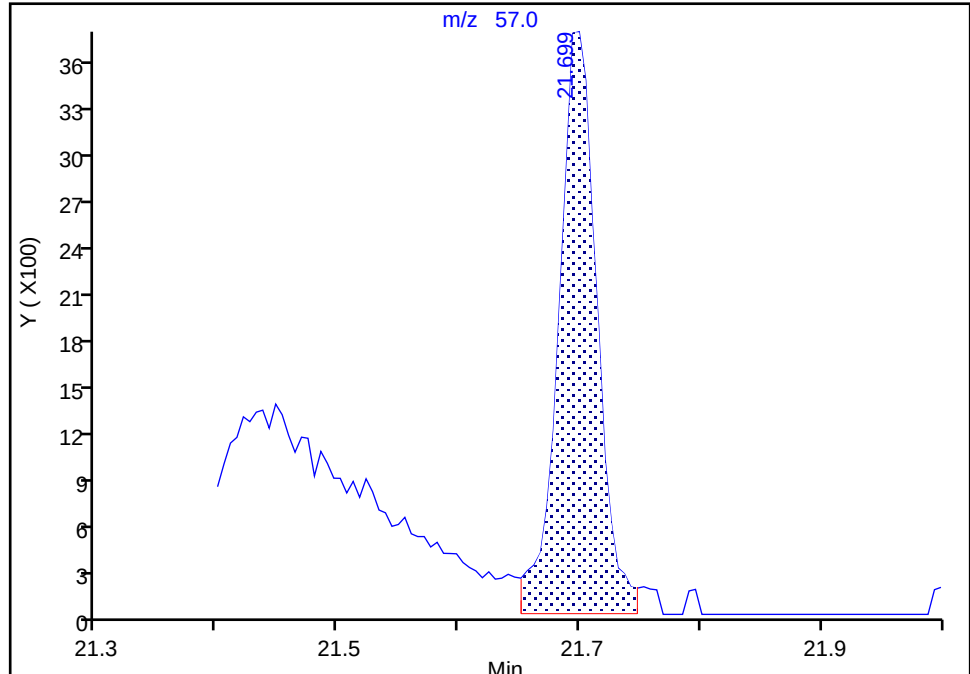
Detector: MS SCAN

89 n-Decane, CAS: 124-18-5

Signal: 1

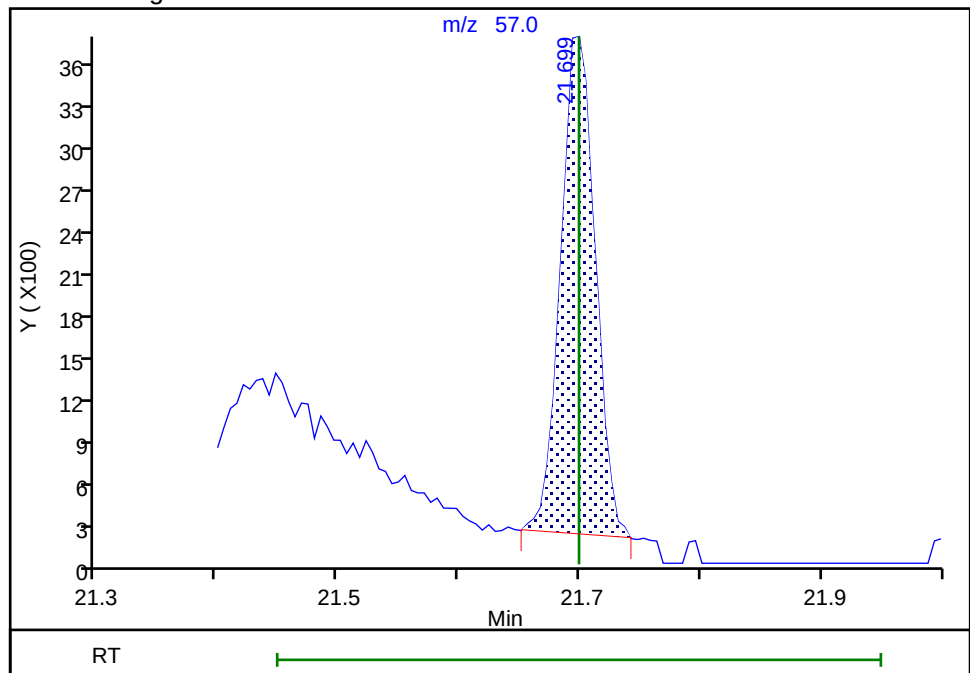
RT: 21.70
Area: 8301
Amount: 0.155444
Amount Units: ppb v/v

Processing Integration Results



RT: 21.70
Area: 7065
Amount: 0.130395
Amount Units: ppb v/v

Manual Integration Results



Reviewer: BKZ7, 17-Aug-2024 08:29:38 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-07.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 16-Aug-2024 20:32:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0061667-007
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Aug-2024 08:45:08 Calib Date: 17-Aug-2024 04:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: BKZ7

Date: 17-Aug-2024 08:30:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.238	4.243	-0.005	97	3589	0.4254	0.5782	
3 Dichlorodifluoromethane	85	4.334	4.339	-0.005	98	11423	0.4254	0.4999	
4 Chlorodifluoromethane	51	4.377	4.382	-0.005	96	7117	0.4254	0.5153	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.687	4.698	-0.011	93	12434	0.4254	0.4938	
6 Chloromethane	50	4.805	4.816	-0.011	96	4376	0.4254	0.5163	
7 Vinyl chloride	62	5.105	5.120	-0.015	75	7155	0.4254	0.4899	
8 Butane	43	5.110	5.120	-0.010	98	11544	0.4254	0.5151	
9 Butadiene	54	5.222	5.233	-0.011	97	5730	0.4254	0.4702	
10 Bromomethane	94	5.923	5.934	-0.011	97	7030	0.4254	0.5124	
12 Chloroethane	64	6.180	6.190	-0.010	98	3539	0.4254	0.5269	
13 2-Methylbutane	43	6.389	6.399	-0.010	94	6752	0.4254	0.5019	
14 Vinyl bromide	106	6.603	6.613	-0.011	96	4290	0.4254	0.4817	
15 Trichlorofluoromethane	101	6.763	6.774	-0.011	98	11195	0.4254	0.4818	
16 Pentane	43	6.966	6.977	-0.011	98	10048	0.4254	0.4779	
17 Ethanol	45	7.228	7.202	0.026	99	29070	4.26	5.24	
18 Ethyl ether	59	7.432	7.405	0.027	90	3557	0.4254	0.4619	
19 Acrolein	56	7.662	7.640	0.022	90	2358	0.4981	0.5482	
20 1,1-Dichloroethene	96	7.822	7.827	-0.005	95	4785	0.4254	0.4495	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.865	7.870	-0.005	95	9912	0.4254	0.4676	
22 Acetone	43	7.972	7.929	0.043	98	11426	0.4254	0.6146	
24 Carbon disulfide	76	8.223	8.229	-0.006	100	18853	0.4254	0.5571	
23 Isopropyl alcohol	45	8.304	8.261	0.043	99	13565	0.4930	0.6475	
25 Acetonitrile	41	8.443	8.421	0.022	99	5915	0.4254	0.5350	
27 3-Chloro-1-propene	41	8.512	8.518	-0.006	96	8434	0.4254	0.4602	
28 Methylene Chloride	49	8.742	8.753	-0.011	98	8143	0.4254	0.4914	
29 2-Methyl-2-propanol	59	9.112	9.036	0.076	96	10264	0.4254	0.4224	
30 Acrylonitrile	53	9.165	9.154	0.011	93	4845	0.4254	0.4791	
32 trans-1,2-Dichloroethene	61	9.235	9.240	-0.005	95	8541	0.4254	0.4321	
31 Methyl tert-butyl ether	73	9.315	9.266	0.049	94	14001	0.4254	0.4336	
S 33 1,2-Dichloroethene, Total	61				0		0.8508	0.8657	
34 Hexane	57	9.743	9.743	0.000	91	9046	0.4254	0.4281	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 1,1-Dichloroethane	63	9.994	9.999	-0.005	99	11396	0.4254	0.4473	
35 Vinyl acetate	43	10.026	10.015	0.011	100	16820	0.4845	0.4658	
37 2-Butanone (MEK)	72	11.016	10.973	0.043	99	2853	0.4254	0.4474	
38 cis-1,2-Dichloroethene	96	10.989	10.989	0.000	98	5424	0.4254	0.4336	
39 Ethyl acetate	88	11.086	11.053	0.033	99	234	0.4254	0.2462	
* 40 Chlorobromomethane	128	11.390	11.390	0.000	97	69135	10.0	10.0	
41 Tetrahydrofuran	42	11.492	11.455	0.037	94	8114	0.4254	0.4552	
42 Chloroform	83	11.567	11.567	0.000	96	11466	0.4254	0.4641	
43 1,1,1-Trichloroethane	97	11.861	11.866	-0.005	96	10492	0.4254	0.4548	
44 Cyclohexane	84	11.995	12.006	-0.011	92	6725	0.4254	0.4344	
45 Carbon tetrachloride	117	12.139	12.145	-0.006	96	10650	0.4254	0.4455	
46 Benzene	78	12.487	12.487	0.000	98	18112	0.4254	0.4696	
47 1,2-Dichloroethane	62	12.562	12.562	0.000	95	8132	0.4254	0.4699	
48 Isooctane	57	12.696	12.701	-0.005	97	29919	0.4254	0.4300	
49 n-Heptane	43	13.006	13.006	0.000	96	12055	0.4254	0.4248	
* 50 1,4-Difluorobenzene	114	13.215	13.220	-0.005	96	348641	10.0	10.0	
51 n-Butanol	56	13.536	13.503	0.033	94	4016	0.4254	0.3988	
52 Trichloroethene	95	13.648	13.648	0.000	95	7069	0.4254	0.4346	
55 1,2-Dichloropropane	63	14.097	14.097	0.000	89	7523	0.4254	0.4452	
56 Methyl methacrylate	69	14.220	14.199	0.021	91	5358	0.4254	0.3798	
58 Dibromomethane	174	14.258	14.258	0.000	93	6001	0.4254	0.4451	
57 1,4-Dioxane	88	14.349	14.268	0.081	95	3486	0.4254	0.4257	
59 Dichlorobromomethane	83	14.568	14.568	0.000	97	12004	0.4254	0.4459	
60 cis-1,3-Dichloropropene	75	15.365	15.365	0.000	97	9982	0.4254	0.4168	
62 4-Methyl-2-pentanone (MIBK)	43	15.697	15.649	0.048	98	15322	0.4254	0.4102	
63 Toluene	92	16.002	15.996	0.006	92	10780	0.4254	0.4355	
A 64 Toluene Range	1	16.012	(15.938-16.082)		0	43111	NC	NC	
66 n-Octane	43	16.248	16.248	0.000	95	16069	0.4254	0.4032	
A 65 C8 Range	1	16.259	(16.173-16.323)		0	55691	NC	NC	
67 trans-1,3-Dichloropropene	75	16.414	16.414	0.000	96	7841	0.4254	0.4108	
68 1,1,2-Trichloroethane	83	16.788	16.788	0.000	96	6273	0.4254	0.4687	
69 Tetrachloroethene	166	16.986	16.986	0.000	93	8564	0.4254	0.4439	
70 2-Hexanone	43	17.254	17.232	0.022	90	12557	0.4254	0.3730	
71 Chlorodibromomethane	129	17.521	17.521	0.000	96	10349	0.4254	0.4322	
72 Ethylene Dibromide	107	17.757	17.756	0.001	95	9783	0.4254	0.4416	
* 73 Chlorobenzene-d5	117	18.666	18.666	0.000	90	310430	10.0	10.0	
74 Chlorobenzene	112	18.720	18.725	-0.005	91	15098	0.4254	0.4558	
75 Ethylbenzene	91	18.912	18.912	0.000	99	23548	0.4254	0.4207	
76 m-Xylene & p-Xylene	106	19.180	19.169	0.011	0	16802	0.8508	0.8055	
77 n-Nonane	57	19.239	19.238	0.000	95	13980	0.4254	0.4169	
S 78 Xylenes, Total	106				0		1.28	1.21	
79 o-Xylene	106	19.945	19.945	0.001	98	7911	0.4254	0.4014	
80 Styrene	104	19.987	19.982	0.005	95	11695	0.4254	0.3702	
81 Bromoform	173	20.330	20.335	-0.005	93	8972	0.4254	0.4051	
82 Isopropylbenzene	105	20.651	20.651	0.000	98	23172	0.4254	0.3863	
83 1,1,2,2-Tetrachloroethane	83	21.180	21.180	0.000	98	15987	0.4254	0.4342	
84 1,2,3-Trichloropropane	75	21.277	21.277	0.000	97	12524	0.4254	0.4340	
85 N-Propylbenzene	91	21.373	21.373	0.000	98	30494	0.4254	0.3978	
86 2-Chlorotoluene	91	21.523	21.523	0.000	97	20084	0.4254	0.4176	
87 4-Ethyltoluene	105	21.571	21.571	0.000	98	23246	0.4254	0.3875	
88 1,3,5-Trimethylbenzene	105	21.667	21.667	0.000	92	20578	0.4254	0.3945	
89 n-Decane	57	21.699	21.699	0.000	87	18494	0.4254	0.4018	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	21.994	21.999	-0.005	84	8172	0.4254	0.3312	
91 tert-Butylbenzene	119	22.149	22.149	0.000	91	19475	0.4254	0.3918	
92 1,2,4-Trimethylbenzene	105	22.240	22.240	0.000	99	19644	0.4254	0.3735	
93 sec-Butylbenzene	105	22.475	22.475	0.000	98	30297	0.4254	0.3844	
94 1,3-Dichlorobenzene	146	22.652	22.651	0.001	98	11936	0.4254	0.3739	
95 4-Isopropyltoluene	119	22.689	22.689	0.000	97	23546	0.4254	0.3675	
96 1,4-Dichlorobenzene	146	22.791	22.791	0.000	92	10852	0.4254	0.3540	
97 Benzyl chloride	91	22.935	22.935	0.000	97	11447	0.4254	0.2769	
98 n-Butylbenzene	91	23.240	23.240	0.000	98	20109	0.4254	0.3213	
99 1,2-Dichlorobenzene	146	23.278	23.277	0.001	94	12534	0.4254	0.3878	
100 Undecane	57	23.390	23.390	0.000	93	15261	0.4254	0.3024	
101 Dodecane	57	24.936	24.936	0.000	91	10840	0.4254	0.2363	
102 1,2,4-Trichlorobenzene	180	25.664	25.663	0.001	91	4842	0.4990	0.2811	
103 Hexachlorobutadiene	225	25.904	25.904	0.000	97	11307	0.4781	0.4723	
104 Naphthalene	128	26.129	26.129	0.000	97	12363	0.5058	0.3075	
105 1,2,3-Trichlorobenzene	180	26.530	26.535	-0.005	95	6635	0.4956	0.3454	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL2w_00351

Amount Added: 170.00

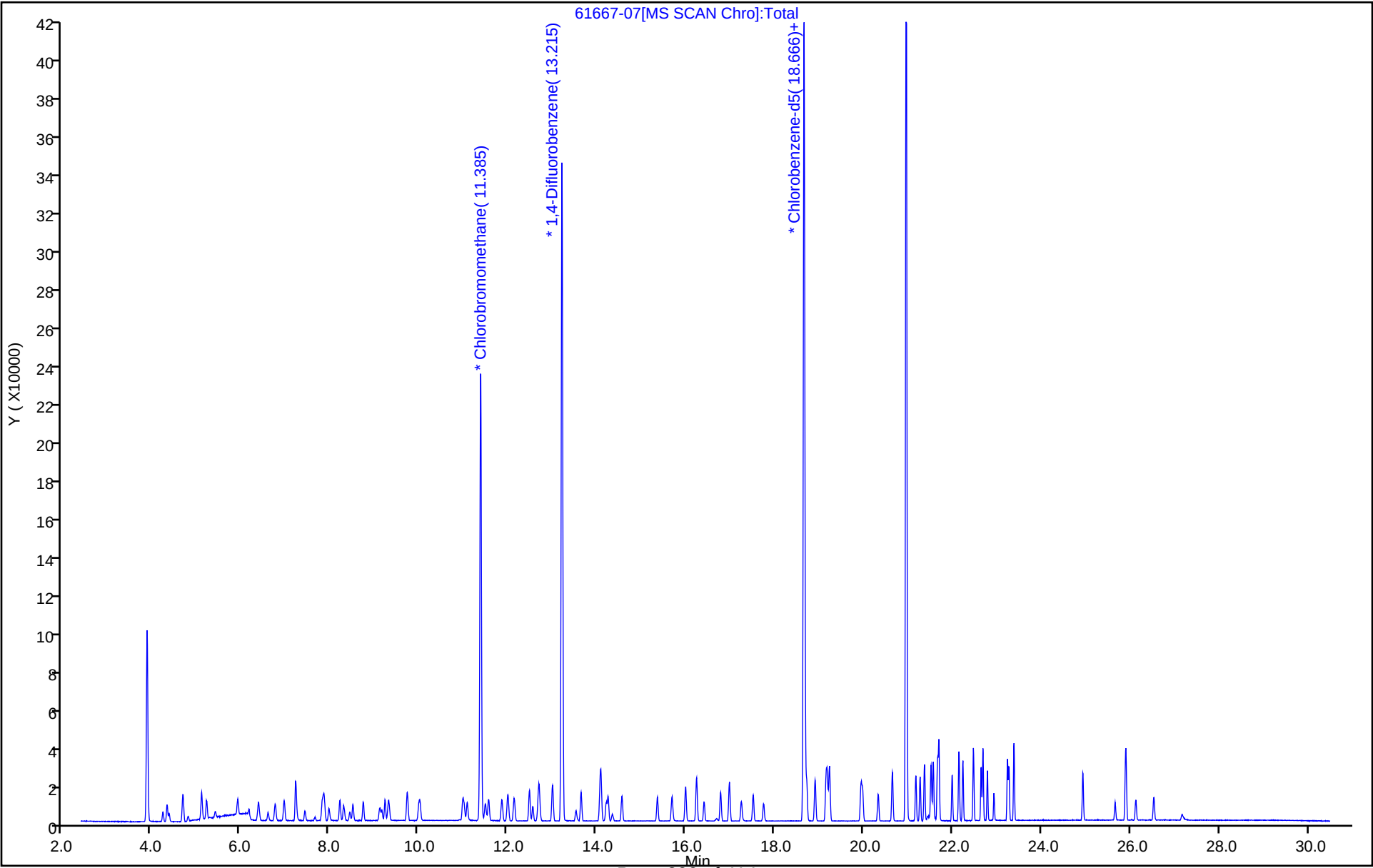
Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-09.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 16-Aug-2024 22:25:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0061667-009
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Aug-2024 08:44:59 Calib Date: 17-Aug-2024 04:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: BKZ7

Date: 17-Aug-2024 08:44:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.243	4.243	0.000	99	32683	4.24	4.69	
3 Dichlorodifluoromethane	85	4.334	4.339	-0.005	99	108577	4.24	4.23	
4 Chlorodifluoromethane	51	4.382	4.382	0.000	97	66143	4.24	4.26	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.693	4.698	-0.005	96	115684	4.24	4.09	
6 Chloromethane	50	4.810	4.816	-0.006	99	40261	4.24	4.23	
7 Vinyl chloride	62	5.115	5.120	-0.005	98	63422	4.24	3.87	
8 Butane	43	5.115	5.120	-0.005	99	102116	4.24	4.06	
9 Butadiene	54	5.227	5.233	-0.006	98	51225	4.24	3.74	
10 Bromomethane	94	5.923	5.934	-0.011	99	62211	4.24	4.04	
12 Chloroethane	64	6.185	6.190	-0.005	100	31236	4.24	4.14	
13 2-Methylbutane	43	6.394	6.399	-0.005	95	61082	4.24	4.04	
14 Vinyl bromide	106	6.608	6.613	-0.005	99	40547	4.24	4.05	
15 Trichlorofluoromethane	101	6.768	6.774	-0.006	98	105345	4.24	4.04	
16 Pentane	43	6.972	6.977	-0.005	98	96143	4.24	4.07	
17 Ethanol	45	7.207	7.202	0.005	99	50030	8.49	8.03	
18 Ethyl ether	59	7.416	7.405	0.011	93	35141	4.24	4.06	
19 Acrolein	56	7.651	7.640	0.011	96	23198	4.97	4.80	
20 1,1-Dichloroethene	96	7.827	7.827	0.000	94	44636	4.24	3.73	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.865	7.870	-0.005	95	95053	4.24	3.99	
22 Acetone	43	7.945	7.929	0.016	99	88511	4.24	4.24	
24 Carbon disulfide	76	8.223	8.229	-0.006	100	147987	4.24	3.89	
23 Isopropyl alcohol	45	8.277	8.261	0.016	100	112088	4.92	4.76	
25 Acetonitrile	41	8.432	8.421	0.011	98	50687	4.24	4.08	
27 3-Chloro-1-propene	41	8.518	8.518	0.000	95	80286	4.24	3.90	
28 Methylene Chloride	49	8.748	8.753	-0.005	97	75197	4.24	4.04	
29 2-Methyl-2-propanol	59	9.079	9.036	0.043	97	106818	4.24	3.91	
30 Acrylonitrile	53	9.160	9.154	0.006	93	43854	4.24	3.86	
32 trans-1,2-Dichloroethene	61	9.240	9.240	0.000	94	82578	4.24	3.72	
31 Methyl tert-butyl ether	73	9.283	9.266	0.017	97	138256	4.24	3.81	
S 33 1,2-Dichloroethene, Total	61				0		8.49	7.49	
34 Hexane	57	9.737	9.743	-0.006	95	95152	4.24	4.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 1,1-Dichloroethane	63	9.994	9.999	-0.005	99	108637	4.24	3.80	
35 Vinyl acetate	43	10.015	10.015	0.000	100	179743	4.83	4.43	
37 2-Butanone (MEK)	72	10.989	10.973	0.016	99	28403	4.24	3.97	
38 cis-1,2-Dichloroethene	96	10.984	10.989	-0.005	77	53027	4.24	3.77	
39 Ethyl acetate	88	11.064	11.053	0.011	99	4261	4.24	3.99	
* 40 Chlorobromomethane	128	11.390	11.390	0.000	95	77638	10.0	10.0	
41 Tetrahydrofuran	42	11.471	11.455	0.016	94	82374	4.24	4.11	
42 Chloroform	83	11.567	11.567	0.000	96	108767	4.24	3.92	
43 1,1,1-Trichloroethane	97	11.866	11.866	0.000	96	102693	4.24	3.95	
44 Cyclohexane	84	12.000	12.006	-0.006	93	70115	4.24	4.02	
45 Carbon tetrachloride	117	12.145	12.145	0.000	97	103194	4.24	3.84	
46 Benzene	78	12.487	12.487	0.000	98	170699	4.24	3.93	
47 1,2-Dichloroethane	62	12.562	12.562	0.000	96	77079	4.24	3.96	
48 Isooctane	57	12.701	12.701	0.000	98	316883	4.24	4.05	
49 n-Heptane	43	13.006	13.006	0.000	98	130230	4.24	4.08	
* 50 1,4-Difluorobenzene	114	13.220	13.220	0.000	96	392435	10.0	10.0	
51 n-Butanol	56	13.514	13.503	0.011	94	45224	4.24	3.99	
52 Trichloroethene	95	13.648	13.648	0.000	94	68573	4.24	3.75	
55 1,2-Dichloropropane	63	14.097	14.097	0.000	90	74214	4.24	3.90	
56 Methyl methacrylate	69	14.199	14.199	0.000	91	61817	4.24	3.89	
58 Dibromomethane	174	14.258	14.258	0.000	94	59604	4.24	3.93	
57 1,4-Dioxane	88	14.311	14.268	0.043	97	39661	4.24	4.30	
59 Dichlorobromomethane	83	14.568	14.568	0.000	97	118675	4.24	3.92	
60 cis-1,3-Dichloropropene	75	15.365	15.365	0.000	97	105050	4.24	3.90	
62 4-Methyl-2-pentanone (MIBK)	43	15.665	15.649	0.016	98	179992	4.24	4.28	
63 Toluene	92	15.996	15.996	0.000	92	111288	4.24	3.92	
A 64 Toluene Range	1	16.012	(15.938-16.082)		0	483378	NC	NC	
66 n-Octane	43	16.248	16.248	0.000	98	185257	4.24	4.13	
A 65 C8 Range	1	16.259	(16.173-16.323)		0	630217	NC	NC	
67 trans-1,3-Dichloropropene	75	16.414	16.414	0.000	98	84341	4.24	3.93	
68 1,1,2-Trichloroethane	83	16.788	16.788	0.000	97	60552	4.24	3.94	
69 Tetrachloroethene	166	16.986	16.986	0.000	95	83856	4.24	3.79	
70 2-Hexanone	43	17.243	17.232	0.011	91	183533	4.24	4.75	
71 Chlorodibromomethane	129	17.521	17.521	0.000	97	107062	4.24	3.90	
72 Ethylene Dibromide	107	17.751	17.756	-0.005	98	99819	4.24	3.93	
* 73 Chlorobenzene-d5	117	18.666	18.666	0.000	90	356368	10.0	10.0	
74 Chlorobenzene	112	18.725	18.725	0.000	92	148881	4.24	3.92	
75 Ethylbenzene	91	18.912	18.912	0.000	99	253751	4.24	3.95	
76 m-Xylene & p-Xylene	106	19.174	19.169	0.005	0	189442	8.49	7.91	
77 n-Nonane	57	19.233	19.238	-0.005	97	158406	4.24	4.11	
S 78 Xylenes, Total	106				0		12.7	11.8	
79 o-Xylene	106	19.945	19.945	0.001	97	89091	4.24	3.94	
80 Styrene	104	19.982	19.982	0.000	99	141452	4.24	3.90	
81 Bromoform	173	20.335	20.335	0.000	94	93336	4.24	3.67	
82 Isopropylbenzene	105	20.651	20.651	0.000	97	273506	4.24	3.97	
83 1,1,2,2-Tetrachloroethane	83	21.180	21.180	0.000	98	165989	4.24	3.93	
84 1,2,3-Trichloropropane	75	21.277	21.277	0.000	97	130063	4.24	3.93	
85 N-Propylbenzene	91	21.373	21.373	0.000	98	350663	4.24	3.98	
86 2-Chlorotoluene	91	21.523	21.523	0.000	97	214470	4.24	3.88	
87 4-Ethyltoluene	105	21.571	21.571	0.000	98	273110	4.24	3.97	
88 1,3,5-Trimethylbenzene	105	21.667	21.667	0.000	92	234833	4.24	3.92	
89 n-Decane	57	21.699	21.699	0.000	88	209343	4.24	3.96	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	21.999	21.999	0.000	86	110644	4.24	3.91	
91 tert-Butylbenzene	119	22.149	22.149	0.000	92	224956	4.24	3.94	
92 1,2,4-Trimethylbenzene	105	22.240	22.240	0.000	99	236159	4.24	3.91	
93 sec-Butylbenzene	105	22.475	22.475	0.000	99	357739	4.24	3.95	
94 1,3-Dichlorobenzene	146	22.651	22.651	0.000	98	138773	4.24	3.79	
95 4-Isopropyltoluene	119	22.689	22.689	0.000	97	292174	4.24	3.97	
96 1,4-Dichlorobenzene	146	22.791	22.791	0.000	93	132176	4.24	3.76	
97 Benzyl chloride	91	22.940	22.935	0.005	98	183472	4.24	3.87	
98 n-Butylbenzene	91	23.240	23.240	0.000	98	282408	4.24	3.93	
99 1,2-Dichlorobenzene	146	23.272	23.277	-0.005	94	141779	4.24	3.82	
100 Undecane	57	23.390	23.390	0.000	96	204388	4.24	3.53	
101 Dodecane	57	24.936	24.936	0.000	93	155126	4.24	2.95	
102 1,2,4-Trichlorobenzene	180	25.663	25.663	0.000	94	66579	4.98	3.37	
103 Hexachlorobutadiene	225	25.904	25.904	0.000	97	115780	4.77	4.21	
104 Naphthalene	128	26.129	26.129	0.000	99	171436	5.05	3.71	
105 1,2,3-Trichlorobenzene	180	26.535	26.535	0.000	94	83853	4.94	3.80	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL3w_00280

Amount Added: 170.00

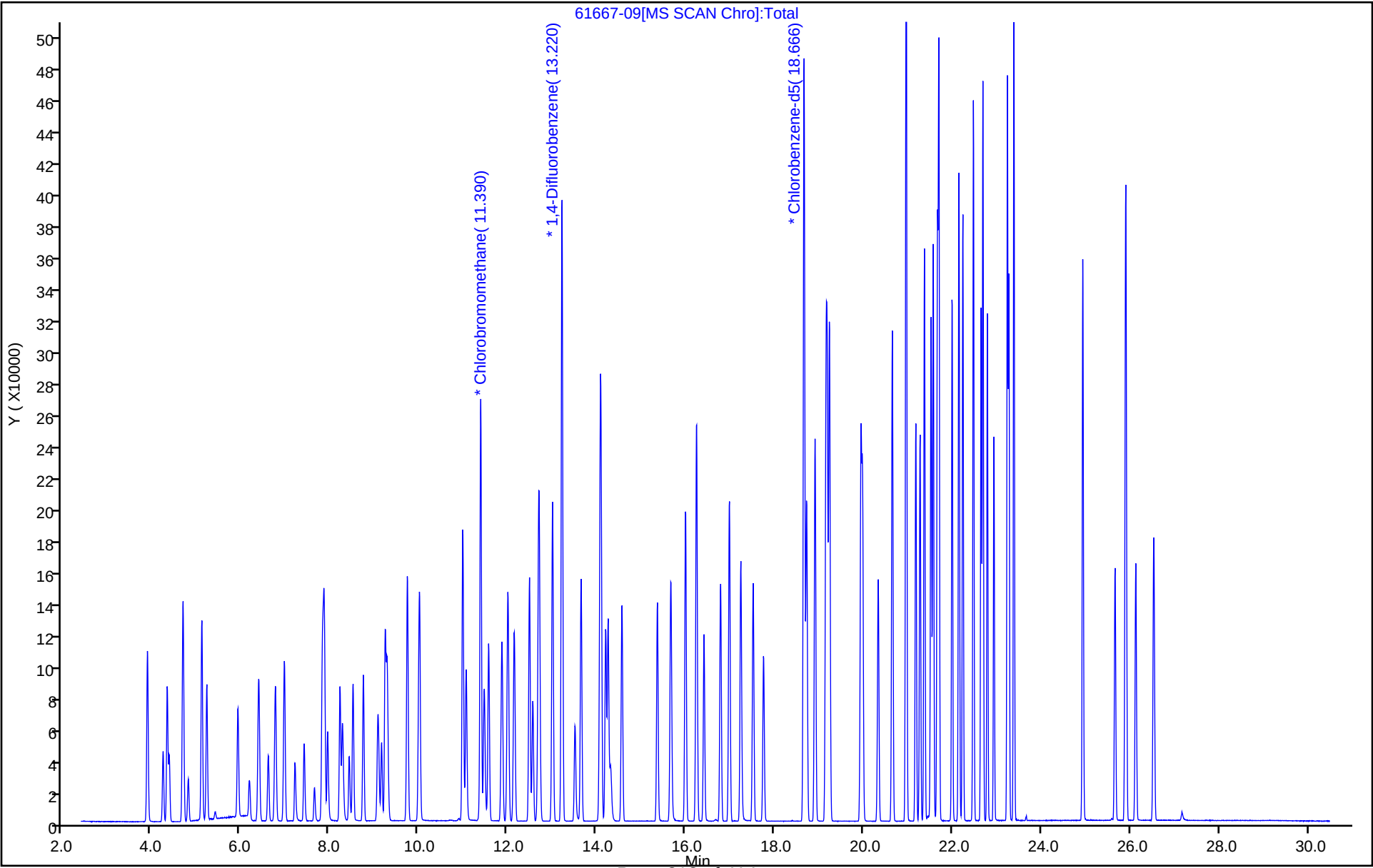
Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-10.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 16-Aug-2024 23:22:30 ALS Bottle#: 10 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0061667-010
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Aug-2024 08:45:12 Calib Date: 17-Aug-2024 04:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: BKZ7

Date: 17-Aug-2024 08:31:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.238	4.238	0.000	98	69660	10.0	9.74	
3 Dichlorodifluoromethane	85	4.334	4.334	0.000	99	253994	10.0	9.65	
4 Chlorodifluoromethane	51	4.377	4.377	0.000	97	150284	10.0	9.45	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.687	4.687	0.000	94	265613	10.0	9.16	
6 Chloromethane	50	4.805	4.805	0.000	99	92253	10.0	9.45	
7 Vinyl chloride	62	5.110	5.110	0.000	97	148928	10.0	8.85	
8 Butane	43	5.115	5.115	0.000	99	240804	10.0	9.33	
9 Butadiene	54	5.228	5.228	0.000	98	122056	10.0	8.69	
10 Bromomethane	94	5.923	5.923	0.000	99	144552	10.0	9.15	
12 Chloroethane	64	6.185	6.185	0.000	100	75141	10.0	9.71	
13 2-Methylbutane	43	6.394	6.394	0.000	94	141956	10.0	9.16	
14 Vinyl bromide	106	6.608	6.608	0.000	99	95852	10.0	9.34	
15 Trichlorofluoromethane	101	6.768	6.768	0.000	98	247817	10.0	9.26	
16 Pentane	43	6.972	6.972	0.000	98	230300	10.0	9.51	
17 Ethanol	45	7.202	7.202	0.000	99	91157	15.0	14.3	
18 Ethyl ether	59	7.405	7.405	0.000	93	81726	10.0	9.21	
19 Acrolein	56	7.640	7.640	0.000	96	54741	11.7	11.0	
20 1,1-Dichloroethene	96	7.827	7.827	0.000	93	107522	10.0	8.77	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.865	7.865	0.000	95	224444	10.0	9.19	
22 Acetone	43	7.929	7.929	0.000	98	201377	10.0	9.40	
24 Carbon disulfide	76	8.223	8.223	0.000	100	350411	10.0	8.99	
23 Isopropyl alcohol	45	8.261	8.261	0.000	100	270301	11.6	11.2	
25 Acetonitrile	41	8.421	8.421	0.000	100	121392	10.0	9.53	
27 3-Chloro-1-propene	41	8.518	8.518	0.000	94	199562	10.0	9.45	
28 Methylene Chloride	49	8.748	8.748	0.000	97	180547	10.0	9.46	
29 2-Methyl-2-propanol	59	9.042	9.042	0.000	96	272480	10.0	9.74	
30 Acrylonitrile	53	9.154	9.154	0.000	95	108799	10.0	9.34	
32 trans-1,2-Dichloroethene	61	9.240	9.240	0.000	93	205484	10.0	9.02	
31 Methyl tert-butyl ether	73	9.267	9.267	0.000	97	345626	10.0	9.29	
S 33 1,2-Dichloroethene, Total	61				0		20.0	18.1	
34 Hexane	57	9.737	9.737	0.000	95	235318	10.0	9.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 1,1-Dichloroethane	63	9.999	9.999	0.000	99	264117	10.0	9.00	
35 Vinyl acetate	43	10.010	10.010	0.000	100	449393	11.4	10.8	
37 2-Butanone (MEK)	72	10.973	10.973	0.000	99	67832	10.0	9.23	
38 cis-1,2-Dichloroethene	96	10.984	10.984	0.000	99	130073	10.0	9.03	
39 Ethyl acetate	88	11.053	11.053	0.000	98	10388	10.0	9.49	
* 40 Chlorobromomethane	128	11.390	11.390	0.000	95	79640	10.0	10.0	
41 Tetrahydrofuran	42	11.455	11.455	0.000	95	197293	10.0	9.51	
42 Chloroform	83	11.567	11.567	0.000	97	262376	10.0	9.22	
43 1,1,1-Trichloroethane	97	11.866	11.866	0.000	96	248986	10.0	9.28	
44 Cyclohexane	84	12.000	12.000	0.000	94	172389	10.0	9.57	
45 Carbon tetrachloride	117	12.145	12.145	0.000	97	251726	10.0	9.05	
46 Benzene	78	12.487	12.487	0.000	98	413493	10.0	9.22	
47 1,2-Dichloroethane	62	12.562	12.562	0.000	96	186457	10.0	9.26	
48 Isooctane	57	12.696	12.696	0.000	99	780361	10.0	9.64	
49 n-Heptane	43	13.006	13.006	0.000	98	321611	10.0	9.74	
* 50 1,4-Difluorobenzene	114	13.220	13.220	0.000	96	405561	10.0	10.0	
51 n-Butanol	56	13.504	13.504	0.000	93	111107	10.0	9.49	
52 Trichloroethene	95	13.648	13.648	0.000	94	168224	10.0	8.89	
55 1,2-Dichloropropane	63	14.097	14.097	0.000	91	183130	10.0	9.32	
56 Methyl methacrylate	69	14.199	14.199	0.000	90	156258	10.0	9.52	
58 Dibromomethane	174	14.258	14.258	0.000	94	144643	10.0	9.22	
57 1,4-Dioxane	88	14.269	14.269	0.000	99	85495	10.0	8.97	
59 Dichlorobromomethane	83	14.568	14.568	0.000	98	294082	10.0	9.39	
60 cis-1,3-Dichloropropene	75	15.365	15.365	0.000	96	269324	10.0	9.67	
62 4-Methyl-2-pentanone (MIBK)	43	15.654	15.654	0.000	98	416027	10.0	9.58	
63 Toluene	92	15.996	15.996	0.000	93	279334	10.0	9.33	
A 64 Toluene Range	1	16.002	(15.932-16.071)	0	1201321	NC	NC		
66 n-Octane	43	16.243	16.243	0.000	97	457109	10.0	9.86	
A 65 C8 Range	1	16.243	(16.168-16.317)	0	1546318	NC	NC		
67 trans-1,3-Dichloropropene	75	16.414	16.414	0.000	98	213765	10.0	9.63	
68 1,1,2-Trichloroethane	83	16.788	16.788	0.000	97	147289	10.0	9.10	
69 Tetrachloroethene	166	16.986	16.986	0.000	95	205913	10.0	8.82	
70 2-Hexanone	43	17.232	17.232	0.000	91	385959	10.0	9.48	
71 Chlorodibromomethane	129	17.521	17.521	0.000	97	274153	10.0	9.47	
72 Ethylene Dibromide	107	17.751	17.751	0.000	98	250481	10.0	9.35	
* 73 Chlorobenzene-d5	117	18.666	18.666	0.000	89	375486	10.0	10.0	
74 Chlorobenzene	112	18.725	18.725	0.000	91	365061	10.0	9.11	
75 Ethylbenzene	91	18.912	18.912	0.000	99	634716	10.0	9.37	
76 m-Xylene & p-Xylene	106	19.174	19.174	0.000	0	480380	20.0	19.0	
77 n-Nonane	57	19.233	19.233	0.000	96	396644	10.0	9.78	
S 78 Xylenes, Total	106				0		30.0	28.6	
79 o-Xylene	106	19.945	19.945	0.000	98	227572	10.0	9.55	
80 Styrene	104	19.982	19.982	0.000	99	377472	10.0	9.88	
81 Bromoform	173	20.335	20.335	0.000	95	262432	10.0	9.80	
82 Isopropylbenzene	105	20.651	20.651	0.000	97	707257	10.0	9.75	
83 1,1,2,2-Tetrachloroethane	83	21.180	21.180	0.000	98	420116	10.0	9.43	
84 1,2,3-Trichloropropane	75	21.277	21.277	0.000	98	329446	10.0	9.44	
85 N-Propylbenzene	91	21.373	21.373	0.000	98	912048	10.0	9.84	
86 2-Chlorotoluene	91	21.523	21.523	0.000	97	547346	10.0	9.41	
87 4-Ethyltoluene	105	21.571	21.571	0.000	98	719372	10.0	9.91	
88 1,3,5-Trimethylbenzene	105	21.667	21.667	0.000	92	617545	10.0	9.79	
89 n-Decane	57	21.699	21.699	0.000	88	544338	10.0	9.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	21.999	21.999	0.000	86	309883	10.0	10.4	
91 tert-Butylbenzene	119	22.149	22.149	0.000	92	589094	10.0	9.80	
92 1,2,4-Trimethylbenzene	105	22.240	22.240	0.000	98	636938	10.0	10.0	
93 sec-Butylbenzene	105	22.475	22.475	0.000	99	948311	10.0	9.95	
94 1,3-Dichlorobenzene	146	22.651	22.651	0.000	99	384051	10.0	9.95	
95 4-Isopropyltoluene	119	22.689	22.689	0.000	97	783747	10.0	10.1	
96 1,4-Dichlorobenzene	146	22.791	22.791	0.000	93	371878	10.0	10.0	
97 Benzyl chloride	91	22.935	22.935	0.000	98	542594	10.0	10.9	
98 n-Butylbenzene	91	23.240	23.240	0.000	98	802328	10.0	10.6	
99 1,2-Dichlorobenzene	146	23.277	23.277	0.000	94	390846	10.0	10.0	
100 Undecane	57	23.390	23.390	0.000	97	604143	10.0	9.90	
101 Dodecane	57	24.936	24.936	0.000	94	552607	10.0	9.96	
102 1,2,4-Trichlorobenzene	180	25.663	25.663	0.000	94	244794	11.7	11.8	
103 Hexachlorobutadiene	225	25.904	25.904	0.000	97	310176	11.2	10.7	
104 Naphthalene	128	26.129	26.129	0.000	99	648677	11.9	13.3	
105 1,2,3-Trichlorobenzene	180	26.535	26.535	0.000	95	271229	11.6	11.7	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00829

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 17-Aug-2024 08:45:12

Chrom Revision: 2.3 16-Jul-2024 14:17:34

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-10.D

Injection Date: 16-Aug-2024 23:22:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: icis

Worklist Smp#: 10

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

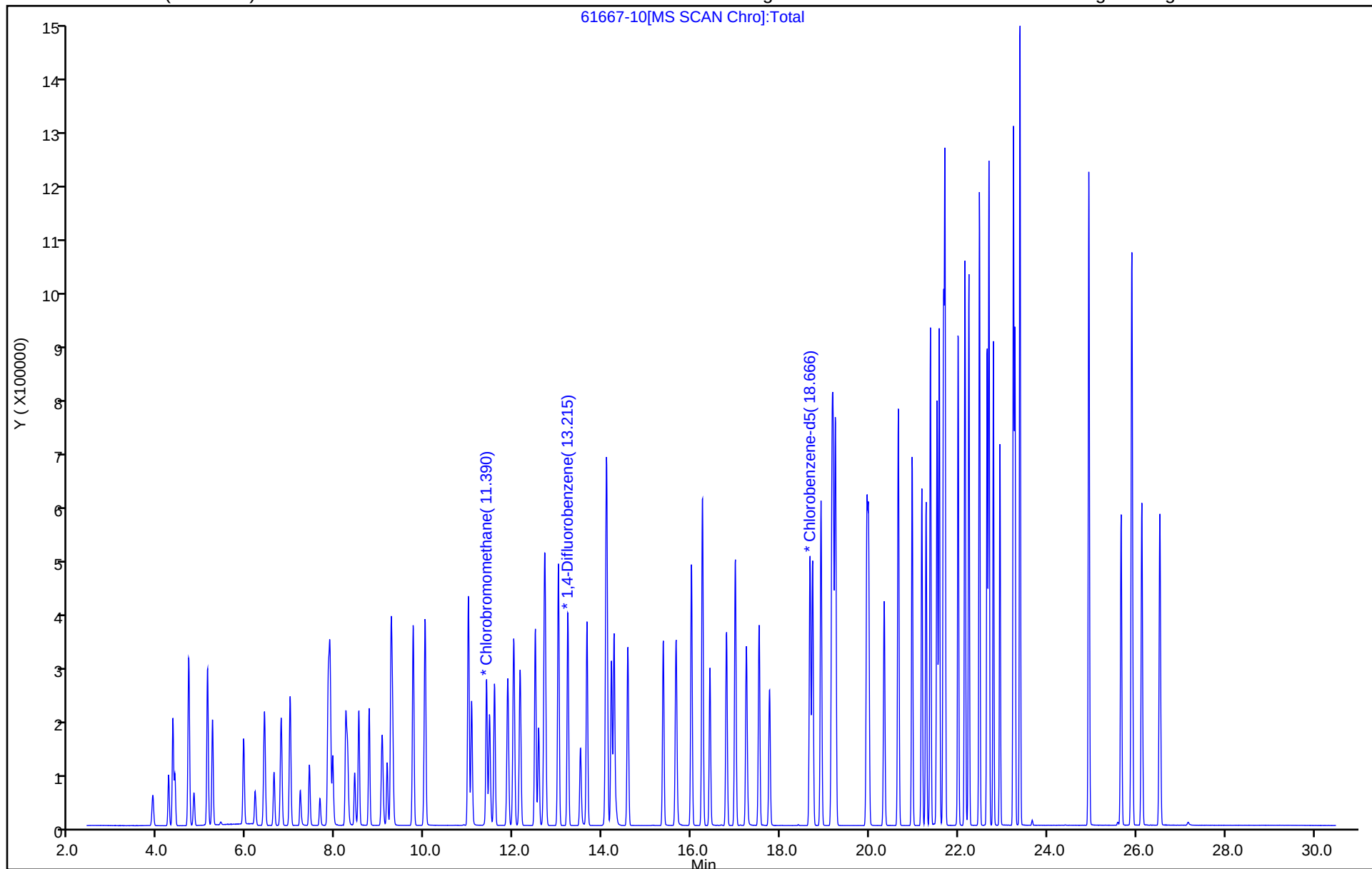
ALS Bottle#: 10

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-11.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 17-Aug-2024 00:20:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0061667-011
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Aug-2024 08:45:15 Calib Date: 17-Aug-2024 04:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: BKZ7

Date: 17-Aug-2024 08:31:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.238	4.238	0.000	98	109147	15.0	15.2	
3 Dichlorodifluoromethane	85	4.334	4.334	0.000	99	405787	15.0	15.3	
4 Chlorodifluoromethane	51	4.377	4.377	0.000	97	239439	15.0	14.9	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.687	4.687	0.000	94	425218	15.0	14.6	
6 Chloromethane	50	4.805	4.805	0.000	99	147758	15.0	15.0	
7 Vinyl chloride	62	5.110	5.110	0.000	98	245383	15.0	14.5	
8 Butane	43	5.110	5.115	-0.005	99	392112	15.0	15.1	
9 Butadiene	54	5.222	5.228	-0.006	98	199500	15.0	14.1	
10 Bromomethane	94	5.923	5.923	0.000	99	231958	15.0	14.6	
12 Chloroethane	64	6.185	6.185	0.000	100	117841	15.0	15.1	
13 2-Methylbutane	43	6.394	6.394	0.000	94	229925	15.0	14.7	
14 Vinyl bromide	106	6.608	6.608	0.000	99	156647	15.0	15.2	
15 Trichlorofluoromethane	101	6.768	6.768	0.000	98	399095	15.0	14.8	
16 Pentane	43	6.971	6.972	-0.001	98	373572	15.0	15.3	
17 Ethanol	45	7.191	7.202	-0.011	99	124945	20.0	19.4	
18 Ethyl ether	59	7.399	7.405	-0.006	93	138775	15.0	15.5	
19 Acrolein	56	7.635	7.640	-0.005	97	92714	17.6	18.6	
20 1,1-Dichloroethene	96	7.822	7.827	-0.005	93	176319	15.0	14.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.865	7.865	0.000	96	367487	15.0	14.9	
22 Acetone	43	7.918	7.929	-0.011	99	339300	15.0	15.7	
24 Carbon disulfide	76	8.223	8.223	0.000	100	574888	15.0	14.6	
23 Isopropyl alcohol	45	8.250	8.261	-0.011	100	443485	17.4	18.2	
25 Acetonitrile	41	8.416	8.421	-0.005	99	204510	15.0	15.9	
27 3-Chloro-1-propene	41	8.512	8.518	-0.006	94	330167	15.0	15.5	
28 Methylene Chloride	49	8.748	8.748	0.000	97	294151	15.0	15.3	
29 2-Methyl-2-propanol	59	9.015	9.042	-0.027	96	454484	15.0	16.1	
30 Acrylonitrile	53	9.149	9.154	-0.005	95	184778	15.0	15.7	
32 trans-1,2-Dichloroethene	61	9.240	9.240	0.000	94	344359	15.0	15.0	
31 Methyl tert-butyl ether	73	9.261	9.267	-0.006	98	601777	15.0	16.1	
S 33 1,2-Dichloroethene, Total	61				0		30.0	30.0	
34 Hexane	57	9.737	9.737	0.000	95	390219	15.0	15.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 1,1-Dichloroethane	63	9.994	9.999	-0.005	99	438640	15.0	14.8	
35 Vinyl acetate	43	10.010	10.010	0.000	100	772896	17.1	18.4	
37 2-Butanone (MEK)	72	10.968	10.973	-0.005	99	117616	15.0	15.9	
38 cis-1,2-Dichloroethene	96	10.984	10.984	0.000	98	217476	15.0	15.0	
39 Ethyl acetate	88	11.048	11.053	-0.005	98	17683	15.0	16.0	
* 40 Chlorobromomethane	128	11.390	11.390	0.000	95	80234	10.0	10.0	
41 Tetrahydrofuran	42	11.449	11.455	-0.006	95	333724	15.0	15.9	
42 Chloroform	83	11.567	11.567	0.000	96	437277	15.0	15.3	
43 1,1,1-Trichloroethane	97	11.866	11.866	0.000	96	412342	15.0	15.2	
44 Cyclohexane	84	12.000	12.000	0.000	95	287288	15.0	15.8	
45 Carbon tetrachloride	117	12.145	12.145	0.000	97	417903	15.0	14.8	
46 Benzene	78	12.487	12.487	0.000	97	688075	15.0	15.2	
47 1,2-Dichloroethane	62	12.562	12.562	0.000	96	307336	15.0	15.1	
48 Isooctane	57	12.696	12.696	0.000	99	1297843	15.0	15.8	
49 n-Heptane	43	13.006	13.006	0.000	98	532864	15.0	15.9	
* 50 1,4-Difluorobenzene	114	13.215	13.220	-0.006	97	410470	10.0	10.0	
51 n-Butanol	56	13.493	13.504	-0.011	92	187010	15.0	15.8	
52 Trichloroethene	95	13.648	13.648	0.000	94	281557	15.0	14.7	
55 1,2-Dichloropropane	63	14.097	14.097	0.000	91	307603	15.0	15.5	
56 Methyl methacrylate	69	14.194	14.199	-0.005	91	270755	15.0	16.3	
58 Dibromomethane	174	14.258	14.258	0.000	94	244489	15.0	15.4	
57 1,4-Dioxane	88	14.258	14.269	-0.010	99	144281	15.0	15.0	
59 Dichlorobromomethane	83	14.568	14.568	0.000	98	494632	15.0	15.6	
60 cis-1,3-Dichloropropene	75	15.365	15.365	0.000	96	460339	15.0	16.3	
62 4-Methyl-2-pentanone (MIBK)	43	15.643	15.654	-0.011	98	682694	15.0	15.5	
63 Toluene	92	15.996	15.996	0.000	93	478989	15.0	15.7	
A 64 Toluene Range	1	16.002	(15.932-16.071)		0	2035577	NC	NC	
A 65 C8 Range	1	16.243	(16.168-16.317)		0	2616587	NC	NC	
66 n-Octane	43	16.248	16.243	0.005	97	767983	15.0	16.4	
67 trans-1,3-Dichloropropene	75	16.414	16.414	0.000	98	369696	15.0	16.4	
68 1,1,2-Trichloroethane	83	16.783	16.788	-0.005	97	252472	15.0	15.3	
69 Tetrachloroethene	166	16.986	16.986	0.000	95	349446	15.0	14.7	
70 2-Hexanone	43	17.227	17.232	-0.005	91	638649	15.0	15.4	
71 Chlorodibromomethane	129	17.521	17.521	0.000	97	473619	15.0	16.0	
72 Ethylene Dibromide	107	17.751	17.751	0.000	98	429554	15.0	15.7	
* 73 Chlorobenzene-d5	117	18.666	18.666	0.000	90	383429	10.0	10.0	
74 Chlorobenzene	112	18.725	18.725	0.000	92	628200	15.0	15.4	
75 Ethylbenzene	91	18.912	18.912	0.000	99	1106747	15.0	16.0	
76 m-Xylene & p-Xylene	106	19.174	19.174	0.000	0	846709	30.0	32.9	
77 n-Nonane	57	19.238	19.233	0.005	95	678477	15.0	16.4	
S 78 Xylenes, Total	106				0		45.0	49.4	
79 o-Xylene	106	19.944	19.945	-0.001	98	401316	15.0	16.5	
80 Styrene	104	19.982	19.982	0.000	99	675565	15.0	17.3	
81 Bromoform	173	20.335	20.335	0.000	95	459657	15.0	16.8	
82 Isopropylbenzene	105	20.651	20.651	0.000	97	1233313	15.0	16.6	
83 1,1,2,2-Tetrachloroethane	83	21.180	21.180	0.000	97	718177	15.0	15.8	
84 1,2,3-Trichloropropane	75	21.277	21.277	-0.001	98	559774	15.0	15.7	
85 N-Propylbenzene	91	21.373	21.373	0.000	98	1569851	15.0	16.6	
86 2-Chlorotoluene	91	21.523	21.523	0.000	97	951059	15.0	16.0	
87 4-Ethyltoluene	105	21.571	21.571	0.000	98	1236928	15.0	16.7	
88 1,3,5-Trimethylbenzene	105	21.667	21.667	0.000	92	1062490	15.0	16.5	
89 n-Decane	57	21.699	21.699	0.000	88	914061	15.0	16.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	21.999	21.999	0.000	86	544523	15.0	17.9	
91 tert-Butylbenzene	119	22.149	22.149	-0.001	92	1017121	15.0	16.6	
92 1,2,4-Trimethylbenzene	105	22.239	22.240	-0.001	98	1095939	15.0	16.9	
93 sec-Butylbenzene	105	22.475	22.475	0.000	99	1632766	15.0	16.8	
94 1,3-Dichlorobenzene	146	22.651	22.651	0.000	99	670321	15.0	17.0	
95 4-Isopropyltoluene	119	22.689	22.689	0.000	97	1357869	15.0	17.2	
96 1,4-Dichlorobenzene	146	22.790	22.791	-0.001	93	655098	15.0	17.3	
97 Benzyl chloride	91	22.935	22.935	0.000	98	957973	15.0	18.8	
98 n-Butylbenzene	91	23.240	23.240	0.000	98	1394756	15.0	18.0	
99 1,2-Dichlorobenzene	146	23.277	23.277	0.000	94	678511	15.0	17.0	
100 Undecane	57	23.390	23.390	0.000	97	998818	15.0	16.0	
101 Dodecane	57	24.936	24.936	0.000	95	925081	15.0	16.3	
102 1,2,4-Trichlorobenzene	180	25.663	25.663	0.000	94	439851	17.6	20.7	
103 Hexachlorobutadiene	225	25.904	25.904	0.000	98	514717	16.9	17.4	
104 Naphthalene	128	26.129	26.129	0.000	99	1139277	17.8	22.9	
105 1,2,3-Trichlorobenzene	180	26.535	26.535	0.000	95	468770	17.5	19.8	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL5w_00148

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 17-Aug-2024 08:45:16

Chrom Revision: 2.3 16-Jul-2024 14:17:34

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-11.D

Injection Date: 17-Aug-2024 00:20:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 11

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

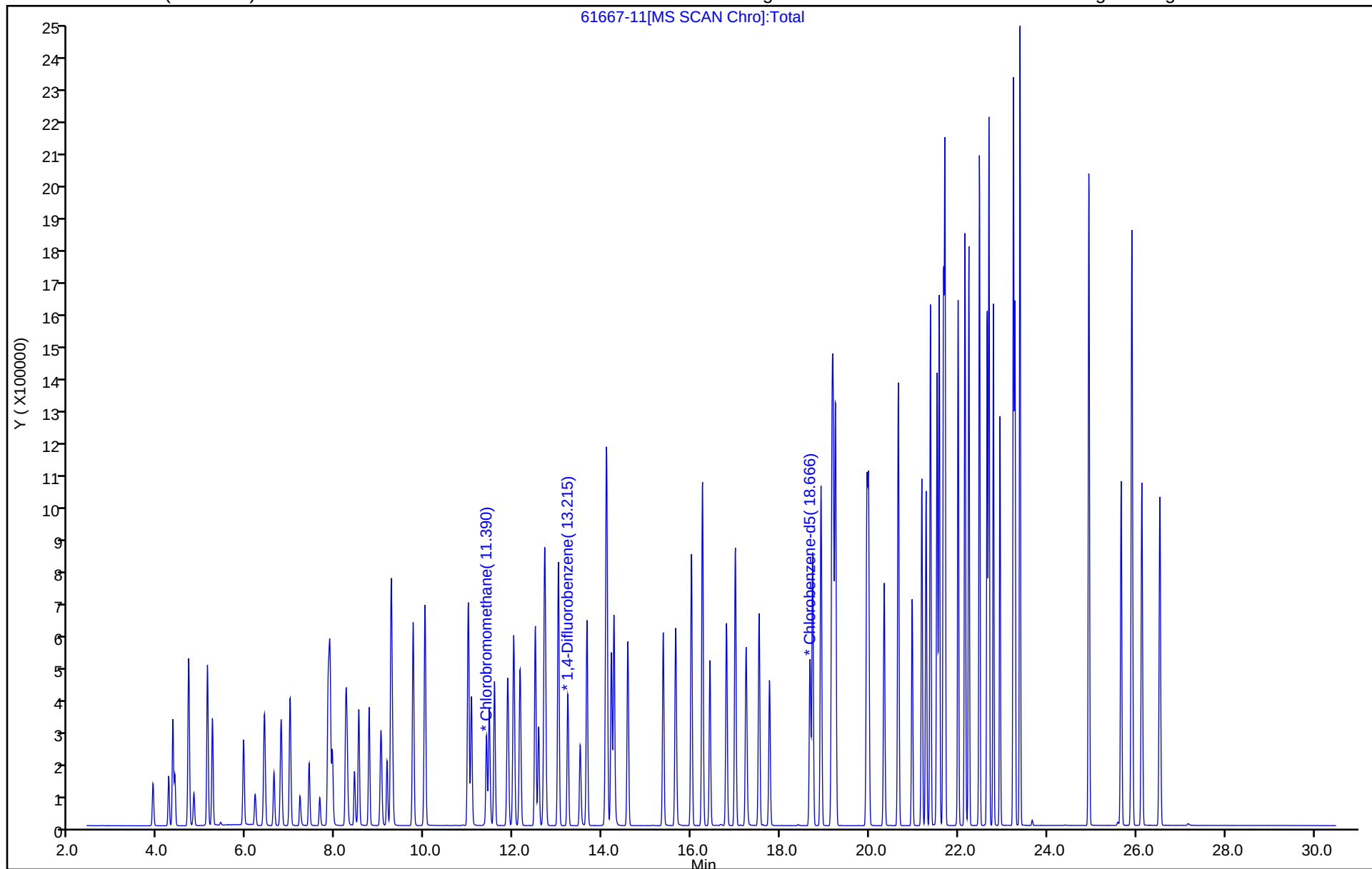
ALS Bottle#: 11

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-14.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 17-Aug-2024 03:13:30 ALS Bottle#: 14 Worklist Smp#: 14
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0061667-014
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Aug-2024 08:45:19 Calib Date: 17-Aug-2024 04:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: BKZ7

Date: 17-Aug-2024 08:32:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.243	4.238	0.005	99	160411	20.0	22.8	
3 Dichlorodifluoromethane	85	4.339	4.334	0.005	99	524851	20.0	20.2	
4 Chlorodifluoromethane	51	4.382	4.377	0.005	97	318136	20.0	20.3	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.692	4.687	0.005	94	570823	20.0	20.0	
6 Chloromethane	50	4.810	4.805	0.005	99	192126	20.0	20.0	
7 Vinyl chloride	62	5.115	5.110	0.005	97	318447	20.0	19.2	
8 Butane	43	5.115	5.115	0.000	99	516091	20.0	20.3	
9 Butadiene	54	5.227	5.228	-0.001	98	258843	20.0	18.7	
10 Bromomethane	94	5.928	5.923	0.005	99	297987	20.0	19.1	
12 Chloroethane	64	6.190	6.185	0.005	100	139827	20.0	18.3	
13 2-Methylbutane	43	6.394	6.394	0.000	95	298192	20.0	19.5	
14 Vinyl bromide	106	6.613	6.608	0.005	99	196903	20.0	19.5	
15 Trichlorofluoromethane	101	6.768	6.768	0.000	98	508136	20.0	19.3	
16 Pentane	43	6.971	6.972	-0.001	98	482134	20.0	20.2	
17 Ethanol	45	7.191	7.202	-0.011	98	244233	40.0	38.8	
18 Ethyl ether	59	7.399	7.405	-0.006	93	175464	20.0	20.1	
19 Acrolein	56	7.635	7.640	-0.005	96	117313	23.4	24.0	
20 1,1-Dichloroethene	96	7.827	7.827	0.000	93	224883	20.0	18.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.865	7.865	0.000	95	473860	20.0	19.7	
22 Acetone	43	7.918	7.929	-0.011	98	423201	20.0	20.1	
24 Carbon disulfide	76	8.223	8.223	0.000	100	733223	20.0	19.1	
23 Isopropyl alcohol	45	8.245	8.261	-0.016	100	551690	23.2	23.2	
25 Acetonitrile	41	8.416	8.421	-0.005	99	259308	20.0	20.7	
27 3-Chloro-1-propene	41	8.518	8.518	0.000	94	419137	20.0	20.2	
28 Methylene Chloride	49	8.748	8.748	0.000	97	374161	20.0	19.9	
29 2-Methyl-2-propanol	59	9.004	9.042	-0.038	96	559059	20.0	20.3	
30 Acrylonitrile	53	9.154	9.154	0.000	95	232530	20.0	20.3	
32 trans-1,2-Dichloroethene	61	9.240	9.240	0.000	94	437300	20.0	19.5	
31 Methyl tert-butyl ether	73	9.256	9.267	-0.011	98	754889	20.0	20.6	
S 33 1,2-Dichloroethene, Total	61				0		40.0	38.8	
34 Hexane	57	9.743	9.737	0.006	95	493665	20.0	20.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 1,1-Dichloroethane	63	9.999	9.999	0.000	99	557641	20.0	19.3	
35 Vinyl acetate	43	10.010	10.010	0.000	100	985274	22.8	24.0	
37 2-Butanone (MEK)	72	10.968	10.973	-0.005	99	146068	20.0	20.2	
38 cis-1,2-Dichloroethene	96	10.989	10.984	0.005	99	274817	20.0	19.4	
39 Ethyl acetate	88	11.053	11.053	0.000	98	22123	20.0	20.5	
* 40 Chlorobromomethane	128	11.390	11.390	0.000	95	78465	10.0	10.0	
41 Tetrahydrofuran	42	11.449	11.455	-0.006	95	417185	20.0	20.7	
42 Chloroform	83	11.567	11.567	0.000	96	551988	20.0	19.7	
43 1,1,1-Trichloroethane	97	11.866	11.866	0.000	96	521908	20.0	20.0	
44 Cyclohexane	84	12.000	12.000	0.000	94	363064	20.0	20.7	
45 Carbon tetrachloride	117	12.145	12.145	0.000	97	531081	20.0	19.7	
46 Benzene	78	12.487	12.487	0.000	98	869851	20.0	19.9	
47 1,2-Dichloroethane	62	12.562	12.562	0.000	96	387395	20.0	19.8	
48 Isooctane	57	12.701	12.696	0.005	98	1642962	20.0	20.9	
49 n-Heptane	43	13.006	13.006	0.000	97	679079	20.0	21.2	
* 50 1,4-Difluorobenzene	114	13.220	13.220	0.000	96	394144	10.0	10.0	
51 n-Butanol	56	13.493	13.504	-0.011	92	234081	20.0	20.6	
52 Trichloroethene	95	13.648	13.648	0.000	94	357549	20.0	19.4	
55 1,2-Dichloropropane	63	14.097	14.097	0.000	92	390958	20.0	20.5	
56 Methyl methacrylate	69	14.194	14.199	-0.005	91	342616	20.0	21.5	
58 Dibromomethane	174	14.258	14.258	0.000	93	312058	20.0	20.5	
57 1,4-Dioxane	88	14.247	14.269	-0.021	97	182163	20.0	19.7	
59 Dichlorobromomethane	83	14.568	14.568	0.000	98	630712	20.0	20.7	
60 cis-1,3-Dichloropropene	75	15.365	15.365	0.000	96	584000	20.0	21.6	
62 4-Methyl-2-pentanone (MIBK)	43	15.638	15.654	-0.016	98	874782	20.0	20.7	
63 Toluene	92	15.996	15.996	0.000	93	607673	20.0	20.6	
A 64 Toluene Range	1	16.002	(15.932-16.071)	0	2581842	NC	NC		
A 65 C8 Range	1	16.243	(16.168-16.317)	0	3323258	NC	NC		
66 n-Octane	43	16.248	16.243	0.005	97	979812	20.0	21.7	
67 trans-1,3-Dichloropropene	75	16.414	16.414	0.000	98	472371	20.0	21.9	
68 1,1,2-Trichloroethane	83	16.788	16.788	0.000	97	320228	20.0	20.1	
69 Tetrachloroethene	166	16.986	16.986	0.000	95	446947	20.0	19.4	
70 2-Hexanone	43	17.221	17.232	-0.011	91	833457	20.0	20.8	
71 Chlorodibromomethane	129	17.521	17.521	0.000	97	609067	20.0	21.3	
72 Ethylene Dibromide	107	17.756	17.751	0.005	99	547700	20.0	20.7	
* 73 Chlorobenzene-d5	117	18.666	18.666	0.000	89	370331	10.0	10.0	
74 Chlorobenzene	112	18.725	18.725	0.000	91	799025	20.0	20.2	
75 Ethylbenzene	91	18.912	18.912	0.000	99	1409164	20.0	21.1	
76 m-Xylene & p-Xylene	106	19.179	19.174	0.005	0	1080945	40.0	43.4	
77 n-Nonane	57	19.238	19.233	0.005	95	861668	20.0	21.5	
S 78 Xylenes, Total	106				0		60.0	65.3	
79 o-Xylene	106	19.944	19.945	-0.001	98	512993	20.0	21.8	
80 Styrene	104	19.982	19.982	0.000	100	873080	20.0	23.2	
81 Bromoform	173	20.335	20.335	0.000	95	602220	20.0	22.8	
82 Isopropylbenzene	105	20.651	20.651	0.000	97	1574984	20.0	22.0	
83 1,1,2,2-Tetrachloroethane	83	21.180	21.180	0.000	97	917470	20.0	20.9	
84 1,2,3-Trichloropropane	75	21.277	21.277	0.000	98	712754	20.0	20.7	
85 N-Propylbenzene	91	21.373	21.373	0.000	98	2005111	20.0	21.9	
86 2-Chlorotoluene	91	21.523	21.523	0.000	97	1214436	20.0	21.2	
87 4-Ethyltoluene	105	21.571	21.571	0.000	98	1584439	20.0	22.1	
88 1,3,5-Trimethylbenzene	105	21.667	21.667	0.000	92	1369206	20.0	22.0	
89 n-Decane	57	21.699	21.699	0.000	88	1165383	20.0	21.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	21.999	21.999	0.000	86	701955	20.0	23.8	
91 tert-Butylbenzene	119	22.154	22.149	0.005	92	1307500	20.0	22.0	
92 1,2,4-Trimethylbenzene	105	22.240	22.240	0.000	98	1402114	20.0	22.3	
93 sec-Butylbenzene	105	22.475	22.475	0.000	99	2097961	20.0	22.3	
94 1,3-Dichlorobenzene	146	22.651	22.651	0.000	99	868521	20.0	22.8	
95 4-Isopropyltoluene	119	22.689	22.689	0.000	97	1742942	20.0	22.8	
96 1,4-Dichlorobenzene	146	22.791	22.791	0.000	93	847324	20.0	23.2	
97 Benzyl chloride	91	22.935	22.935	0.000	98	1241761	20.0	25.2	
98 n-Butylbenzene	91	23.240	23.240	0.000	98	1805185	20.0	24.2	
99 1,2-Dichlorobenzene	146	23.277	23.277	0.000	95	878163	20.0	22.8	
100 Undecane	57	23.390	23.390	0.000	97	1308599	20.0	21.7	
101 Dodecane	57	24.936	24.936	0.000	95	1228391	20.0	22.5	
102 1,2,4-Trichlorobenzene	180	25.663	25.663	0.000	94	584775	23.5	28.5	
103 Hexachlorobutadiene	225	25.904	25.904	0.000	98	693912	22.5	24.3	
104 Naphthalene	128	26.129	26.129	0.000	99	1477870	23.8	30.8	
105 1,2,3-Trichlorobenzene	180	26.535	26.535	0.000	95	618842	23.3	27.0	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL6w_00237

Amount Added: 200.00

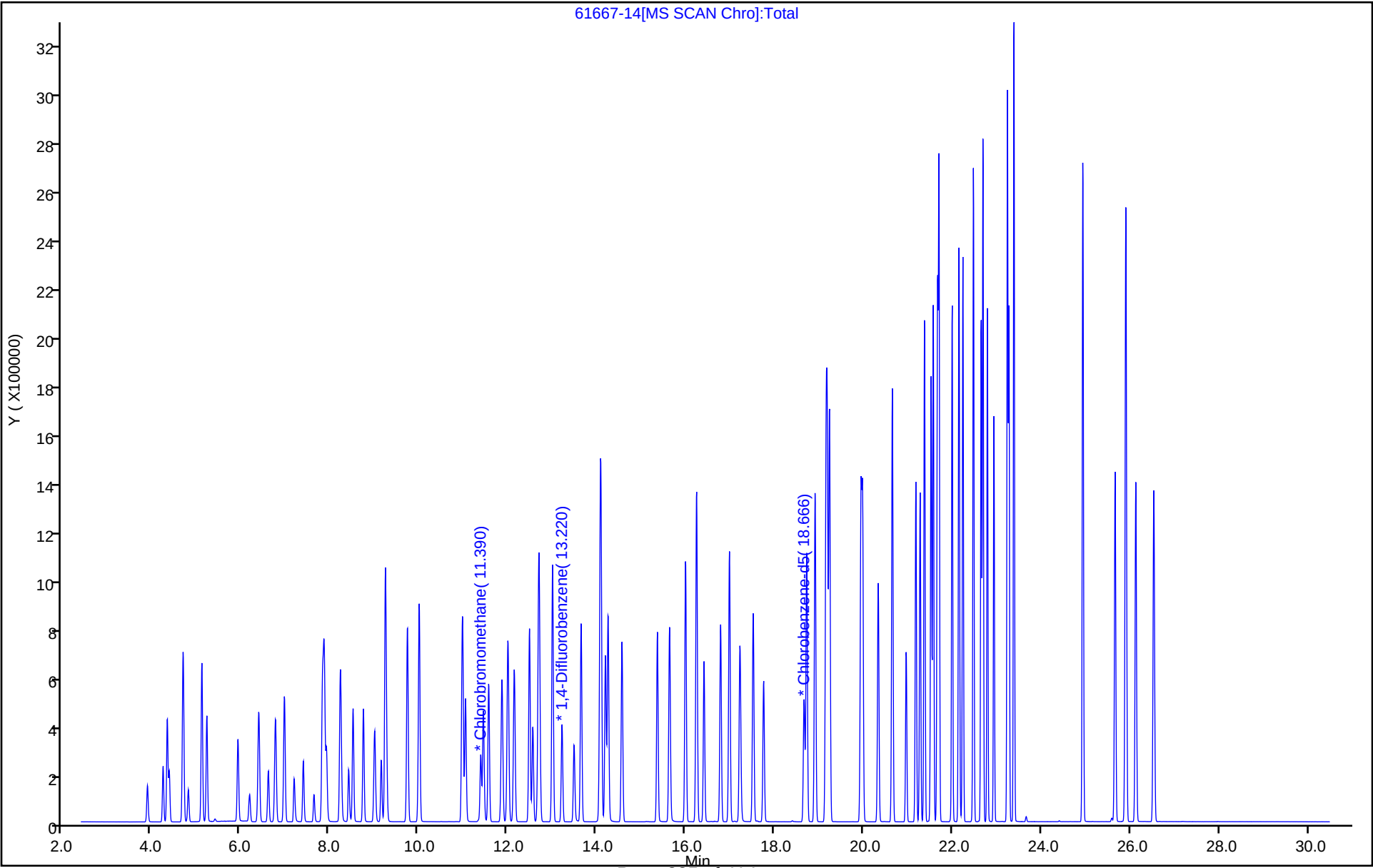
Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 17-Aug-2024 04:14:30 ALS Bottle#: 15 Worklist Smp#: 15
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0061667-015
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Aug-2024 08:45:22 Calib Date: 17-Aug-2024 04:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1627

First Level Reviewer: BKZ7

Date: 17-Aug-2024 08:33:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.243	4.238	0.005	98	249216	40.0	30.9	
3 Dichlorodifluoromethane	85	4.334	4.334	0.000	99	988198	40.0	33.2	
4 Chlorodifluoromethane	51	4.377	4.377	0.000	97	594882	40.0	33.1	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.687	4.687	0.000	96	1128889	40.0	34.5	
6 Chloromethane	50	4.810	4.805	0.005	99	372140	40.0	33.8	
7 Vinyl chloride	62	5.110	5.110	0.000	98	642623	40.0	33.8	
8 Butane	43	5.115	5.115	0.000	99	1027088	40.0	35.2	
9 Butadiene	54	5.227	5.228	-0.001	98	524992	40.0	33.1	
10 Bromomethane	94	5.923	5.923	0.000	99	602400	40.0	33.8	
12 Chloroethane	64	6.185	6.185	0.000	100	310769	40.0	35.6	
13 2-Methylbutane	43	6.394	6.394	0.000	95	620888	40.0	35.5	
14 Vinyl bromide	106	6.608	6.608	0.000	99	421611	40.0	36.4	
15 Trichlorofluoromethane	101	6.768	6.768	0.000	98	1083976	40.0	35.9	
16 Pentane	43	6.971	6.972	-0.001	98	1022893	40.0	37.4	
17 Ethanol	45	7.180	7.202	-0.022	99	538649	80.0	74.7	
18 Ethyl ether	59	7.389	7.405	-0.016	93	392110	40.0	39.1	
19 Acrolein	56	7.629	7.640	-0.011	96	263797	46.8	47.1	
20 1,1-Dichloroethene	96	7.822	7.827	-0.005	95	509422	40.0	36.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.865	7.865	0.000	94	1051820	40.0	38.1	
22 Acetone	43	7.908	7.929	-0.021	98	976112	40.0	40.4	
24 Carbon disulfide	76	8.223	8.223	0.000	100	1659952	40.0	37.7	
23 Isopropyl alcohol	45	8.229	8.261	-0.032	99	1281983	46.4	47.0	
25 Acetonitrile	41	8.410	8.421	-0.011	99	568721	40.0	39.5	
27 3-Chloro-1-propene	41	8.512	8.518	-0.006	94	917332	40.0	38.5	
28 Methylene Chloride	49	8.748	8.748	0.000	98	804086	40.0	37.3	
29 2-Methyl-2-propanol	59	8.983	9.042	-0.059	95	1283896	40.0	40.6	
30 Acrylonitrile	53	9.149	9.154	-0.005	95	508839	40.0	38.7	
32 trans-1,2-Dichloroethene	61	9.240	9.240	0.000	94	981718	40.0	38.2	
31 Methyl tert-butyl ether	73	9.245	9.267	-0.022	98	1737041	40.0	41.4	
S 33 1,2-Dichloroethene, Total	61				0		80.0	76.1	
34 Hexane	57	9.737	9.737	0.000	95	1078148	40.0	39.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 1,1-Dichloroethane	63	9.994	9.999	-0.005	99	1218449	40.0	36.8	
35 Vinyl acetate	43	10.005	10.010	-0.005	100	2138337	45.6	45.5	
37 2-Butanone (MEK)	72	10.962	10.973	-0.011	99	338879	40.0	40.9	
38 cis-1,2-Dichloroethene	96	10.984	10.984	0.000	99	617385	40.0	37.9	
39 Ethyl acetate	88	11.043	11.053	-0.010	99	50289	40.0	40.7	
* 40 Chlorobromomethane	128	11.390	11.390	0.000	96	89934	10.0	10.0	
41 Tetrahydrofuran	42	11.438	11.455	-0.017	96	910130	40.0	39.4	
42 Chloroform	83	11.567	11.567	0.000	97	1216145	40.0	37.8	
43 1,1,1-Trichloroethane	97	11.866	11.866	0.000	96	1162269	40.0	38.9	
44 Cyclohexane	84	12.000	12.000	0.000	95	802991	40.0	40.0	
45 Carbon tetrachloride	117	12.145	12.145	0.000	97	1175309	40.0	38.0	
46 Benzene	78	12.487	12.487	0.000	97	1920059	40.0	38.4	
47 1,2-Dichloroethane	62	12.562	12.562	0.000	96	841287	40.0	37.5	
48 Isooctane	57	12.701	12.696	0.005	99	3583458	40.0	39.8	
49 n-Heptane	43	13.006	13.006	0.000	97	1457028	40.0	39.6	
* 50 1,4-Difluorobenzene	114	13.220	13.220	0.000	96	451531	10.0	10.0	
51 n-Butanol	56	13.477	13.504	-0.027	91	537896	40.0	41.2	
52 Trichloroethene	95	13.648	13.648	0.000	94	808077	40.0	38.4	
55 1,2-Dichloropropane	63	14.097	14.097	0.000	92	874274	40.0	39.9	
56 Methyl methacrylate	69	14.194	14.199	-0.005	92	786871	40.0	43.1	
58 Dibromomethane	174	14.258	14.258	0.000	94	703526	40.0	40.3	
57 1,4-Dioxane	88	14.242	14.269	-0.026	97	430598	40.0	40.6	
59 Dichlorobromomethane	83	14.568	14.568	0.000	98	1411589	40.0	40.5	
60 cis-1,3-Dichloropropene	75	15.365	15.365	0.000	95	1318477	40.0	42.5	
62 4-Methyl-2-pentanone (MIBK)	43	15.633	15.654	-0.021	98	1931457	40.0	39.9	
63 Toluene	92	15.996	15.996	0.000	93	1371740	40.0	40.5	
A 64 Toluene Range	1	16.002	(15.932-16.071)		0	5749363	NC	NC	
A 65 C8 Range	1	16.243	(16.168-16.317)		0	7266463	NC	NC	
66 n-Octane	43	16.248	16.243	0.005	96	2095706	40.0	40.6	
67 trans-1,3-Dichloropropene	75	16.414	16.414	0.000	98	1067313	40.0	43.2	
68 1,1,2-Trichloroethane	83	16.788	16.788	0.000	97	725135	40.0	39.6	
69 Tetrachloroethene	166	16.986	16.986	0.000	97	1006788	40.0	38.2	
70 2-Hexanone	43	17.211	17.232	-0.021	92	1829814	40.0	39.8	
71 Chlorodibromomethane	129	17.521	17.521	0.000	97	1394083	40.0	42.6	
72 Ethylene Dibromide	107	17.756	17.751	0.005	98	1240134	40.0	41.0	
* 73 Chlorobenzene-d5	117	18.666	18.666	0.000	89	424311	10.0	10.0	
74 Chlorobenzene	112	18.725	18.725	0.000	91	1800305	40.0	39.8	
75 Ethylbenzene	91	18.912	18.912	0.000	99	3194328	40.0	41.7	
76 m-Xylene & p-Xylene	106	19.179	19.174	0.005	0	2458812	80.0	86.2	
77 n-Nonane	57	19.238	19.233	0.005	94	1885325	40.0	41.1	
S 78 Xylenes, Total	106				0		120.0	129.9	
79 o-Xylene	106	19.944	19.945	-0.001	98	1177387	40.0	43.7	
80 Styrene	104	19.982	19.982	0.000	99	1981493	40.0	45.9	
81 Bromoform	173	20.335	20.335	0.000	95	1397190	40.0	46.2	
82 Isopropylbenzene	105	20.651	20.651	0.000	97	3560106	40.0	43.4	
83 1,1,2,2-Tetrachloroethane	83	21.180	21.180	0.000	97	2094813	40.0	41.6	
84 1,2,3-Trichloropropane	75	21.277	21.277	0.000	98	1621473	40.0	41.1	
85 N-Propylbenzene	91	21.373	21.373	0.000	98	4544789	40.0	43.4	
86 2-Chlorotoluene	91	21.523	21.523	0.000	96	2825782	40.0	43.0	
87 4-Ethyltoluene	105	21.571	21.571	0.000	98	3603674	40.0	44.0	
88 1,3,5-Trimethylbenzene	105	21.667	21.667	0.000	92	3110108	40.0	43.6	
89 n-Decane	57	21.699	21.699	0.000	89	2542693	40.0	40.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
90 Alpha Methyl Styrene	118	21.999	21.999	0.000	86	1624075	40.0	48.2	
91 tert-Butylbenzene	119	22.154	22.149	0.005	92	2925254	40.0	43.1	
92 1,2,4-Trimethylbenzene	105	22.239	22.240	-0.001	98	3143264	40.0	43.7	
93 sec-Butylbenzene	105	22.480	22.475	0.005	98	4628327	40.0	43.0	
94 1,3-Dichlorobenzene	146	22.651	22.651	0.000	99	2015010	40.0	46.2	
95 4-Isopropyltoluene	119	22.694	22.689	0.005	97	3891322	40.0	44.4	
96 1,4-Dichlorobenzene	146	22.791	22.791	-0.001	93	1983718	40.0	47.3	
97 Benzyl chloride	91	22.940	22.935	0.005	98	2888751	40.0	51.1	
98 n-Butylbenzene	91	23.240	23.240	0.000	99	3948282	40.0	46.2	
99 1,2-Dichlorobenzene	146	23.277	23.277	0.000	95	1985411	40.0	44.9	
100 Undecane	57	23.390	23.390	0.000	96	2825434	40.0	41.0	
101 Dodecane	57	24.941	24.936	0.005	97	2753551	40.0	43.9	
102 1,2,4-Trichlorobenzene	180	25.669	25.663	0.006	94	1512532	46.9	64.3	
103 Hexachlorobutadiene	225	25.909	25.904	0.005	98	1635135	45.0	50.0	
104 Naphthalene	128	26.129	26.129	0.000	99	3658277	47.6	66.6	
105 1,2,3-Trichlorobenzene	180	26.535	26.535	0.000	95	1519083	46.6	57.9	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL6w_00237

Amount Added: 400.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 17-Aug-2024 08:45:22

Chrom Revision: 2.3 16-Jul-2024 14:17:34

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D

Injection Date: 17-Aug-2024 04:14:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: ic

Worklist Smp#: 15

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

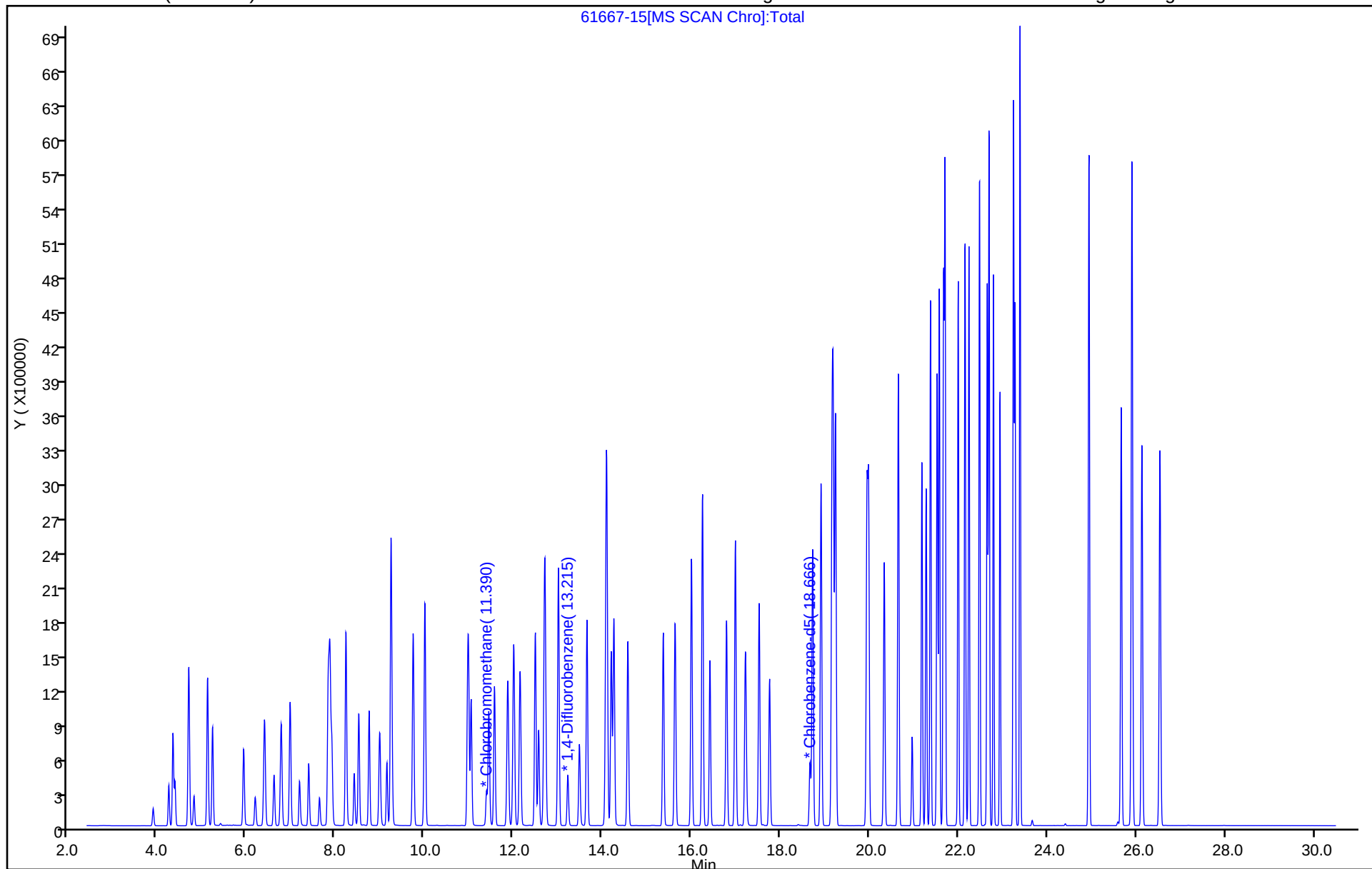
ALS Bottle#: 15

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Calibration

/ Propene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

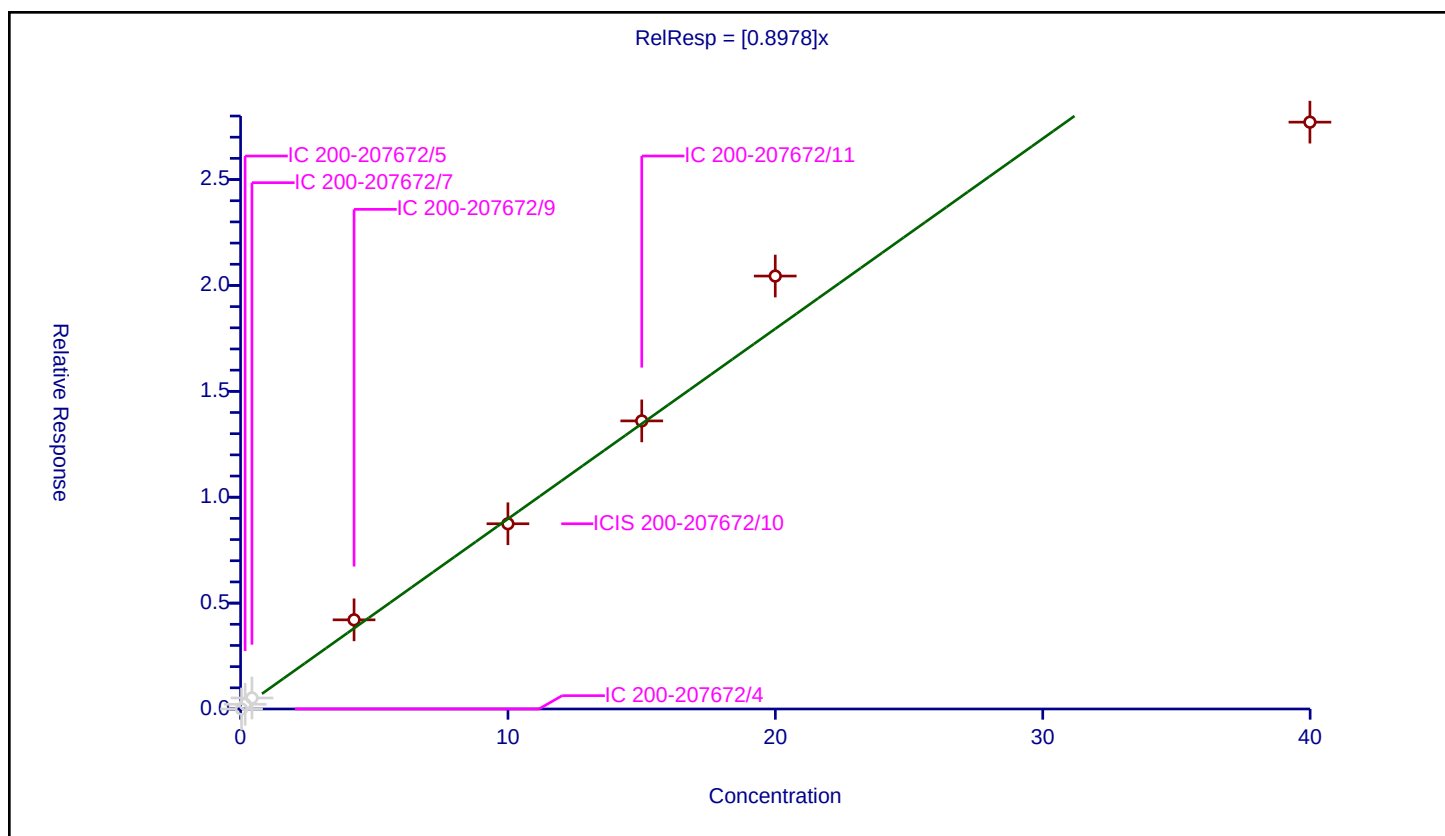
Curve Coefficients

Intercept: 0
 Slope: 0.8978

Error Coefficients

Relative Standard Deviation: 14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.0	10.0	86705.0	0.0	N
2	IC 200-207672/5	0.170374	0.222584	10.0	82396.0	1.306443	N
3	IC 200-207672/7	0.425385	0.519129	10.0	69135.0	1.220376	N
4	IC 200-207672/9	4.243678	4.209665	10.0	77638.0	0.991985	Y
5	ICIS 200-207672/10	9.99806	8.746861	10.0	79640.0	0.874856	Y
6	IC 200-207672/11	15.003557	13.603585	10.0	80234.0	0.906691	Y
7	IC 200-207672/14	19.99612	20.443637	10.0	78465.0	1.02238	Y
8	IC 200-207672/15	39.99224	27.710988	10.0	89934.0	0.692909	Y



Calibration

/ Dichlorodifluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

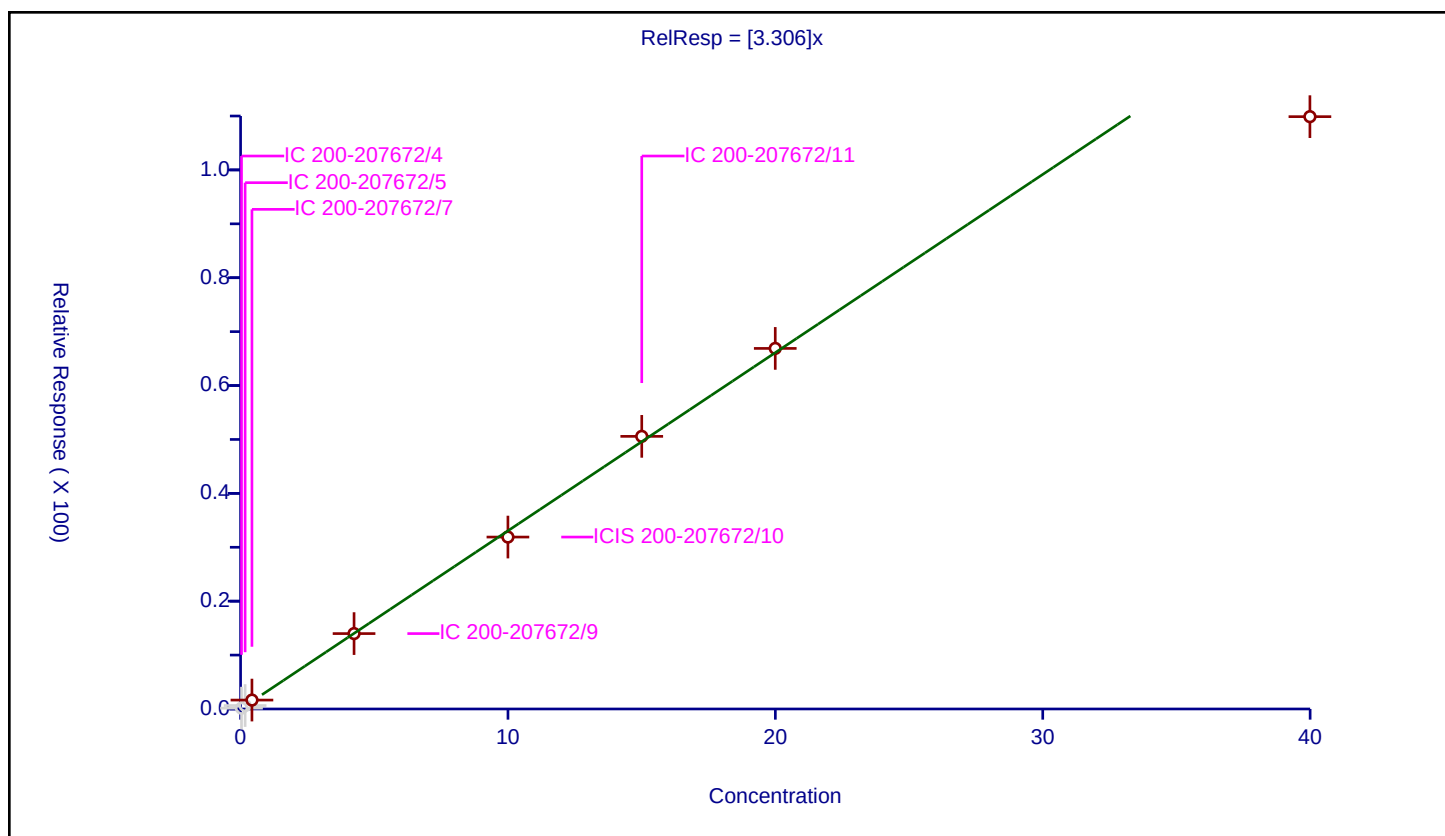
Curve Coefficients

Intercept: 0
Slope: 3.306

Error Coefficients

Relative Standard Deviation: 11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.156392	10.0	86705.0	4.458552	N
2	IC 200-207672/5	0.170374	0.640686	10.0	82396.0	3.760477	N
3	IC 200-207672/7	0.425385	1.652275	10.0	69135.0	3.884189	Y
4	IC 200-207672/9	4.243678	13.985033	10.0	77638.0	3.295498	Y
5	ICIS 200-207672/10	9.99806	31.892767	10.0	79640.0	3.189896	Y
6	IC 200-207672/11	15.003557	50.575442	10.0	80234.0	3.370897	Y
7	IC 200-207672/14	19.99612	66.889823	10.0	78465.0	3.34514	Y
8	IC 200-207672/15	39.99224	109.880357	10.0	89934.0	2.747542	Y



Calibration

/ Chlorodifluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

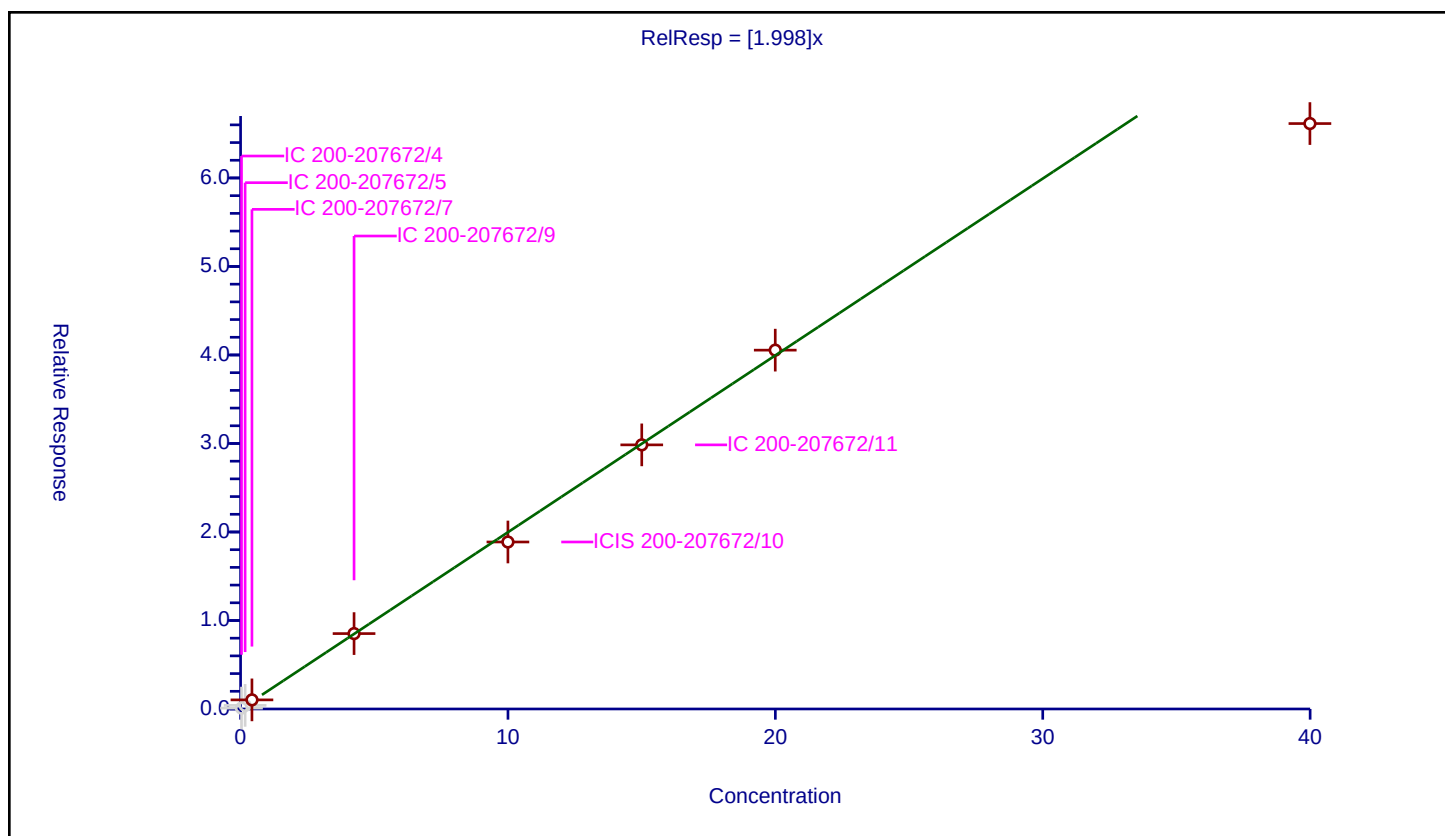
Curve Coefficients

Intercept: 0
 Slope: 1.998

Error Coefficients

Relative Standard Deviation: 12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.100686	10.0	86705.0	2.870439	N
2	IC 200-207672/5	0.170374	0.407544	10.0	82396.0	2.392059	N
3	IC 200-207672/7	0.425385	1.029435	10.0	69135.0	2.42001	Y
4	IC 200-207672/9	4.243678	8.519411	10.0	77638.0	2.007553	Y
5	ICIS 200-207672/10	9.99806	18.870417	10.0	79640.0	1.887408	Y
6	IC 200-207672/11	15.003557	29.842585	10.0	80234.0	1.989034	Y
7	IC 200-207672/14	19.99612	40.544956	10.0	78465.0	2.027641	Y
8	IC 200-207672/15	39.99224	66.146507	10.0	89934.0	1.653984	Y



Calibration

/ 1,2-Dichloro-1,1,2,2-tetrafluoroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

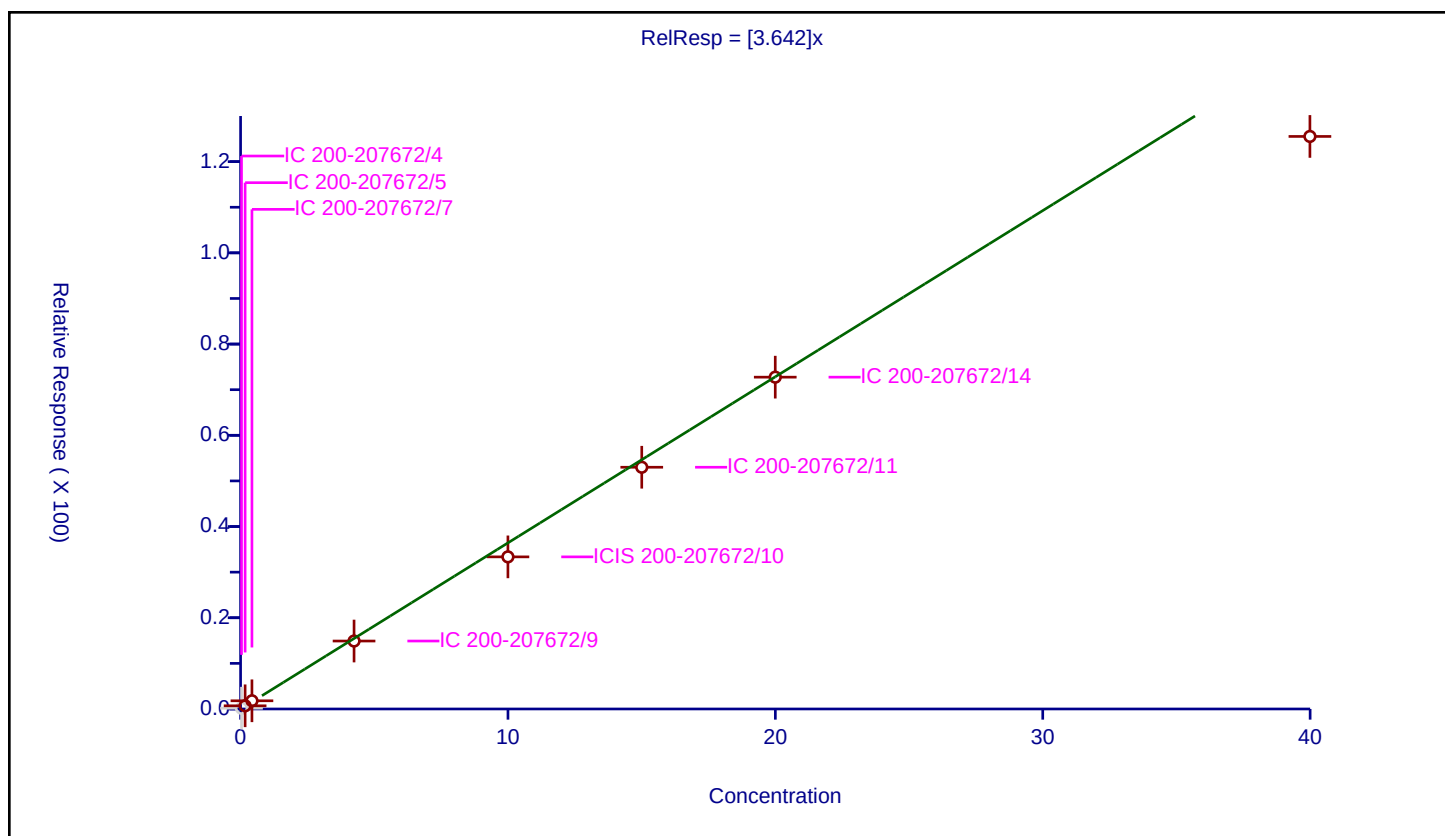
Curve Coefficients

Intercept: 0
Slope: 3.642

Error Coefficients

Relative Standard Deviation: 10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.170117	10.0	86705.0	4.849826	N
2	IC 200-207672/5	0.170374	0.700155	10.0	82396.0	4.109527	Y
3	IC 200-207672/7	0.425385	1.79851	10.0	69135.0	4.227962	Y
4	IC 200-207672/9	4.243678	14.900435	10.0	77638.0	3.511207	Y
5	ICIS 200-207672/10	9.99806	33.351708	10.0	79640.0	3.335818	Y
6	IC 200-207672/11	15.003557	52.997233	10.0	80234.0	3.532311	Y
7	IC 200-207672/14	19.99612	72.748741	10.0	78465.0	3.638143	Y
8	IC 200-207672/15	39.99224	125.524162	10.0	89934.0	3.138713	Y



Calibration

/ Chloromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

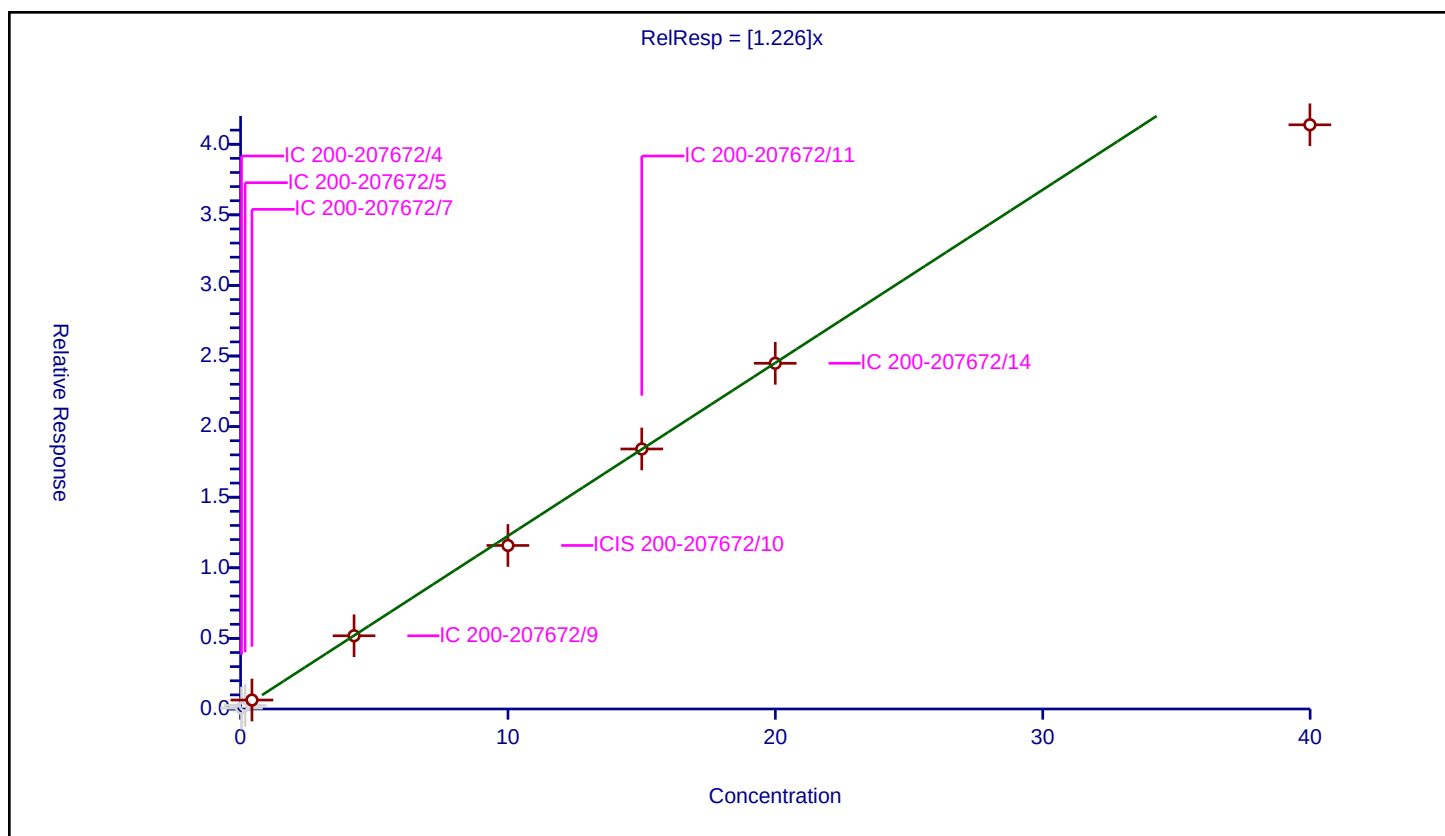
Curve Coefficients

Intercept: 0
Slope: 1.226

Error Coefficients

Relative Standard Deviation: 12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.060435	10.0	86705.0	1.722921	N
2	IC 200-207672/5	0.170374	0.254745	10.0	82396.0	1.495215	N
3	IC 200-207672/7	0.425385	0.632964	10.0	69135.0	1.487981	Y
4	IC 200-207672/9	4.243678	5.185734	10.0	77638.0	1.22199	Y
5	ICIS 200-207672/10	9.99806	11.583752	10.0	79640.0	1.1586	Y
6	IC 200-207672/11	15.003557	18.415884	10.0	80234.0	1.227435	Y
7	IC 200-207672/14	19.99612	24.485567	10.0	78465.0	1.224516	Y
8	IC 200-207672/15	39.99224	41.379234	10.0	89934.0	1.034682	Y



Calibration

/ Vinyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

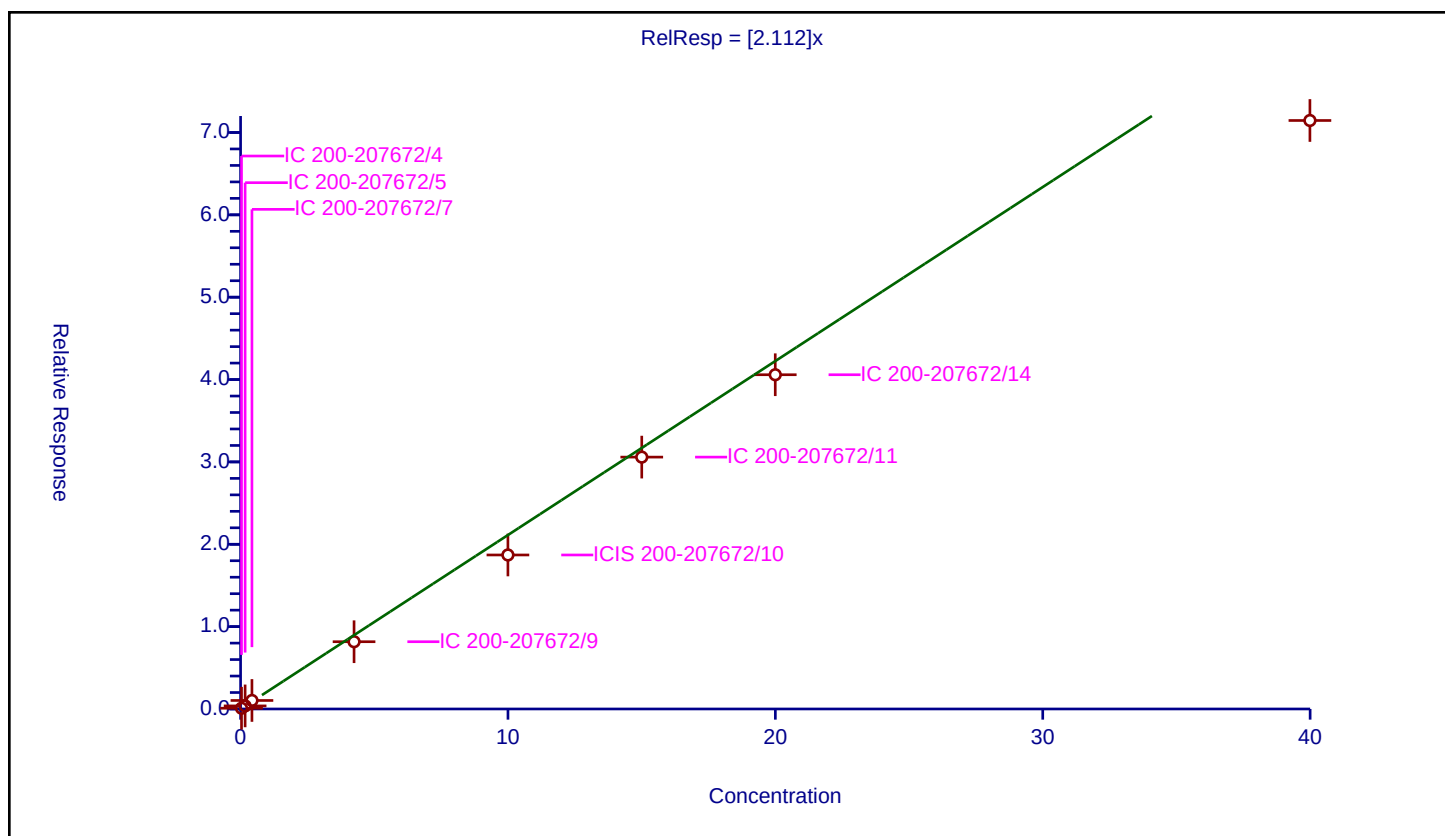
Curve Coefficients

Intercept: 0
Slope: 2.112

Error Coefficients

Relative Standard Deviation: 13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.091921	10.0	86705.0	2.62055	Y
2	IC 200-207672/5	0.170374	0.374169	10.0	82396.0	2.196164	Y
3	IC 200-207672/7	0.425385	1.034932	10.0	69135.0	2.432931	Y
4	IC 200-207672/9	4.243678	8.168938	10.0	77638.0	1.924966	Y
5	ICIS 200-207672/10	9.99806	18.700151	10.0	79640.0	1.870378	Y
6	IC 200-207672/11	15.003557	30.583419	10.0	80234.0	2.038411	Y
7	IC 200-207672/14	19.99612	40.584592	10.0	78465.0	2.029623	Y
8	IC 200-207672/15	39.99224	71.454956	10.0	89934.0	1.786721	Y



Calibration

/ Butane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

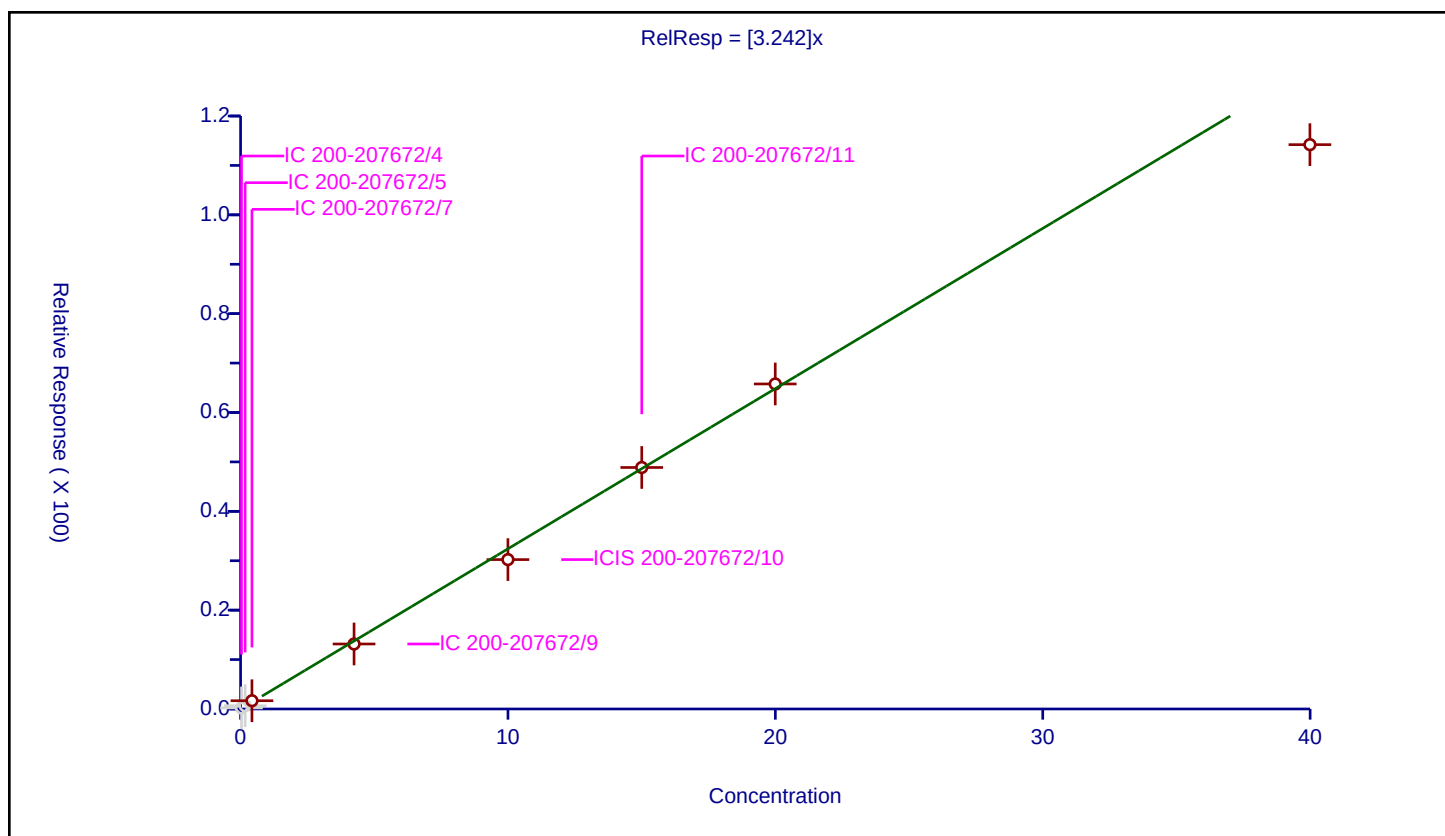
Curve Coefficients

Intercept: 0
Slope: 3.242

Error Coefficients

Relative Standard Deviation: 11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.216135	10.0	86705.0	6.161745	N
2	IC 200-207672/5	0.170374	0.662532	10.0	82396.0	3.888699	N
3	IC 200-207672/7	0.425385	1.669777	10.0	69135.0	3.925333	Y
4	IC 200-207672/9	4.243678	13.152838	10.0	77638.0	3.099395	Y
5	ICIS 200-207672/10	9.99806	30.236565	10.0	79640.0	3.024243	Y
6	IC 200-207672/11	15.003557	48.871052	10.0	80234.0	3.257298	Y
7	IC 200-207672/14	19.99612	65.773402	10.0	78465.0	3.289308	Y
8	IC 200-207672/15	39.99224	114.204639	10.0	89934.0	2.85567	Y



Calibration

/ Butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

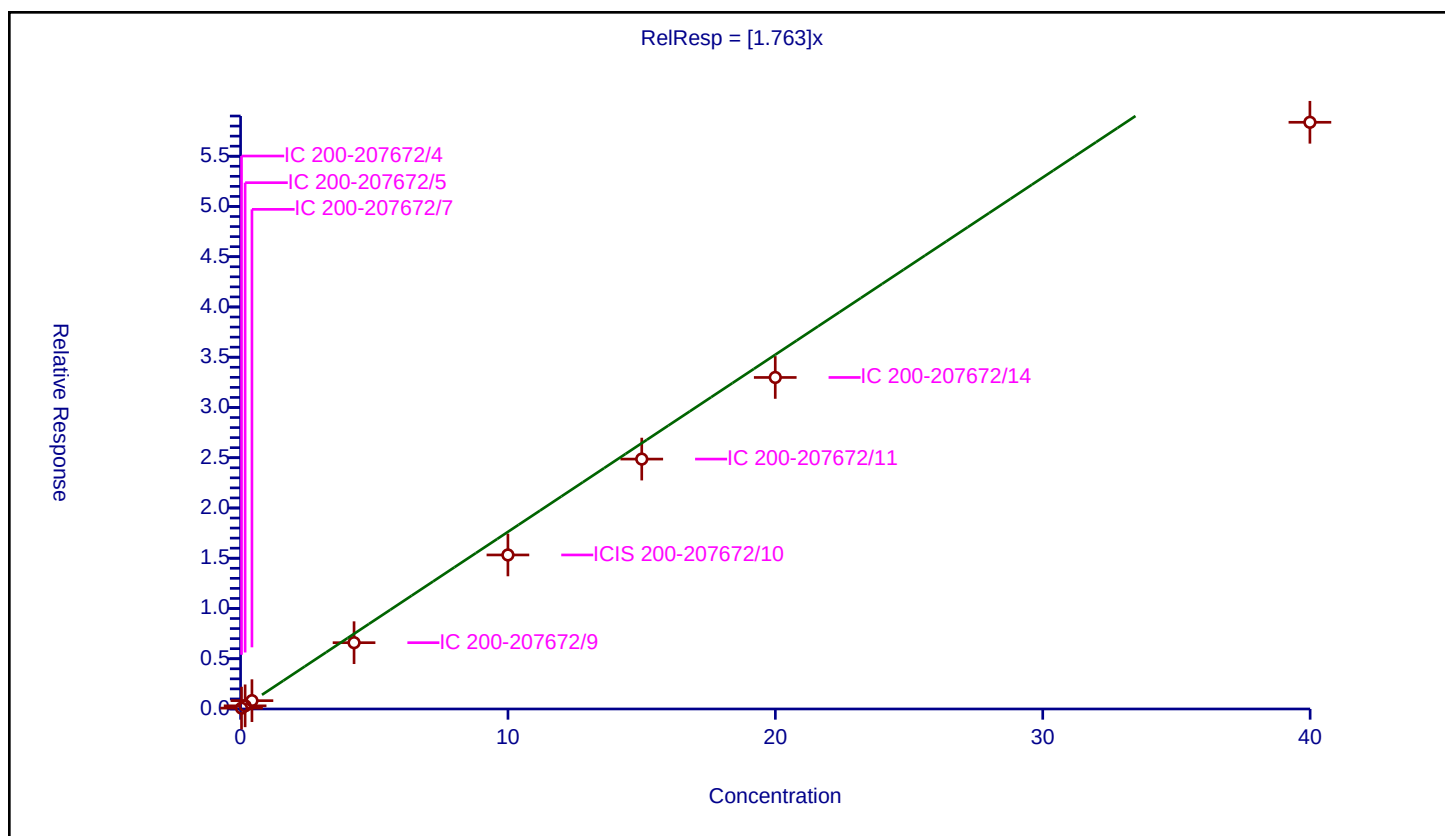
Curve Coefficients

Intercept: 0
Slope: 1.763

Error Coefficients

Relative Standard Deviation: 18.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.086039	10.0	86705.0	2.452861	Y
2	IC 200-207672/5	0.170374	0.3147	10.0	82396.0	1.847114	Y
3	IC 200-207672/7	0.425385	0.828813	10.0	69135.0	1.948385	Y
4	IC 200-207672/9	4.243678	6.597929	10.0	77638.0	1.554766	Y
5	ICIS 200-207672/10	9.99806	15.325967	10.0	79640.0	1.532894	Y
6	IC 200-207672/11	15.003557	24.864771	10.0	80234.0	1.657258	Y
7	IC 200-207672/14	19.99612	32.988339	10.0	78465.0	1.649737	Y
8	IC 200-207672/15	39.99224	58.375253	10.0	89934.0	1.459665	Y



Calibration

/ Bromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

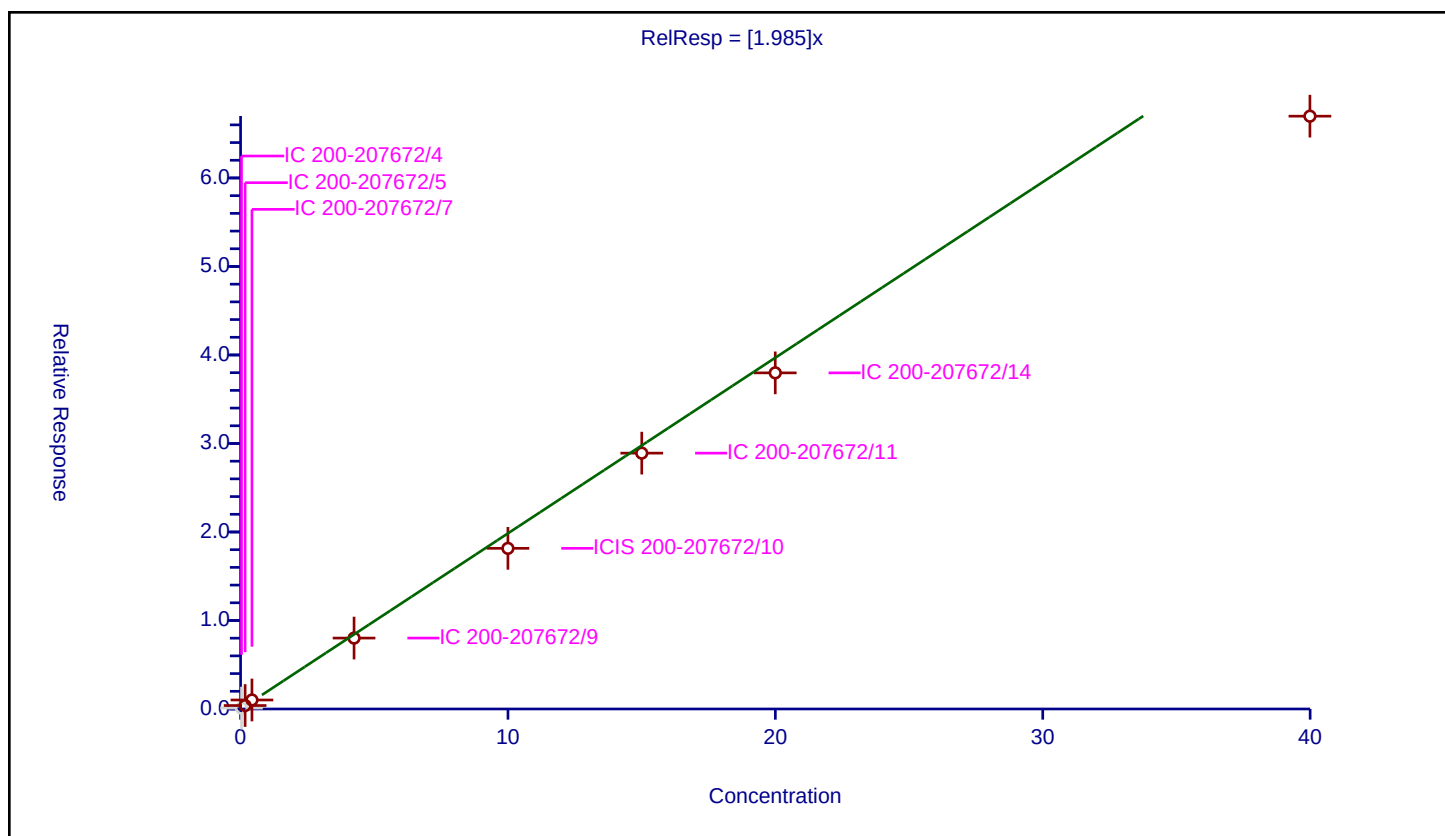
Curve Coefficients

Intercept: 0
Slope: 1.985

Error Coefficients

Relative Standard Deviation: 13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.101724	10.0	86705.0	2.900032	N
2	IC 200-207672/5	0.170374	0.391402	10.0	82396.0	2.297317	Y
3	IC 200-207672/7	0.425385	1.016851	10.0	69135.0	2.390427	Y
4	IC 200-207672/9	4.243678	8.012958	10.0	77638.0	1.88821	Y
5	ICIS 200-207672/10	9.99806	18.150678	10.0	79640.0	1.81542	Y
6	IC 200-207672/11	15.003557	28.910188	10.0	80234.0	1.926889	Y
7	IC 200-207672/14	19.99612	37.97706	10.0	78465.0	1.899221	Y
8	IC 200-207672/15	39.99224	66.982454	10.0	89934.0	1.674886	Y



Calibration

/ Chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

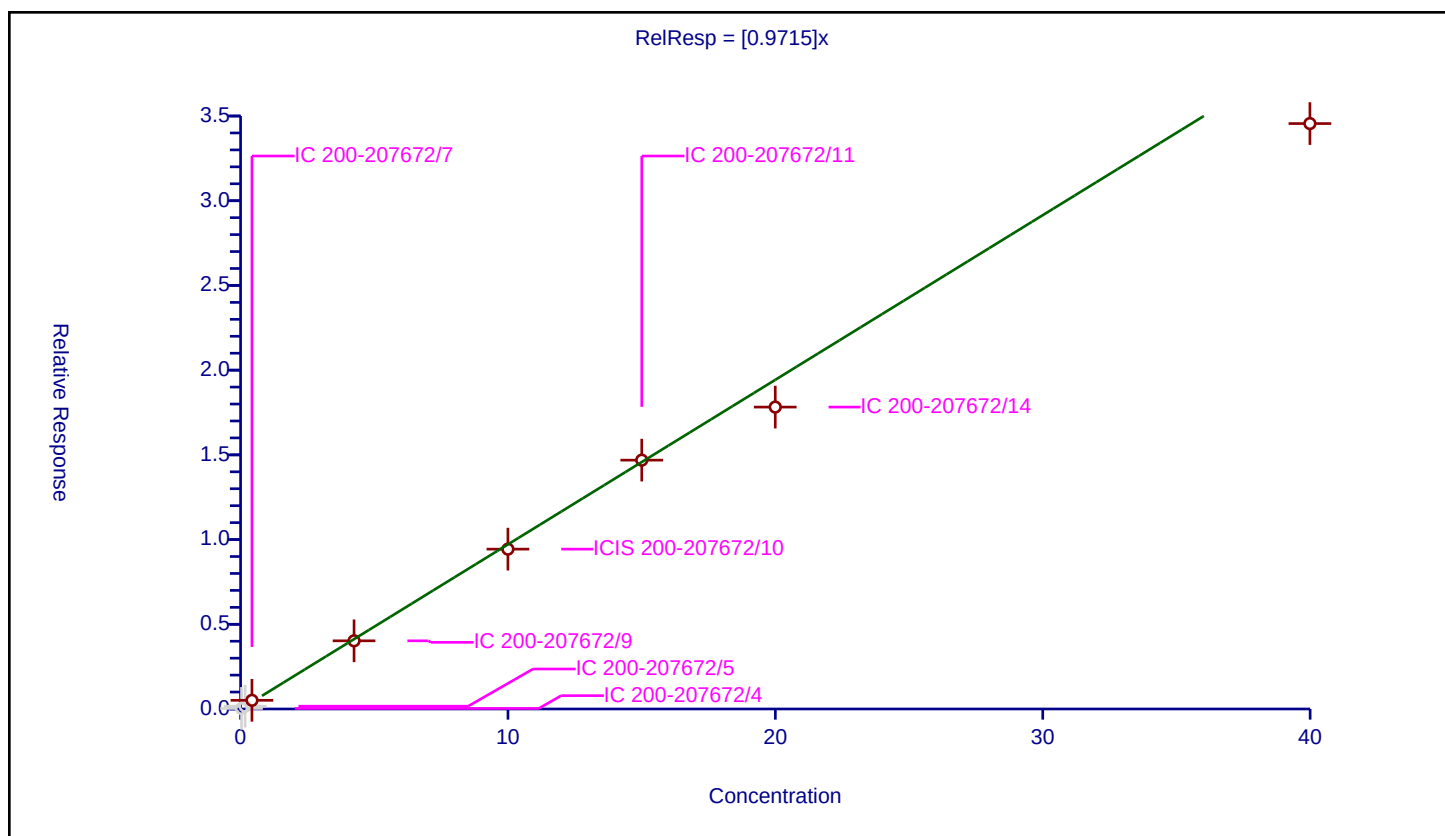
Curve Coefficients

Intercept: 0
Slope: 0.9715

Error Coefficients

Relative Standard Deviation: 12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.033331	10.0	86705.0	0.950237	N
2	IC 200-207672/5	0.170374	0.164571	10.0	82396.0	0.965942	N
3	IC 200-207672/7	0.425385	0.511897	10.0	69135.0	1.203374	Y
4	IC 200-207672/9	4.243678	4.023288	10.0	77638.0	0.948066	Y
5	ICIS 200-207672/10	9.99806	9.435083	10.0	79640.0	0.943691	Y
6	IC 200-207672/11	15.003557	14.687165	10.0	80234.0	0.978912	Y
7	IC 200-207672/14	19.99612	17.820302	10.0	78465.0	0.891188	Y
8	IC 200-207672/15	39.99224	34.555229	10.0	89934.0	0.864048	Y



Calibration

/ 2-Methylbutane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

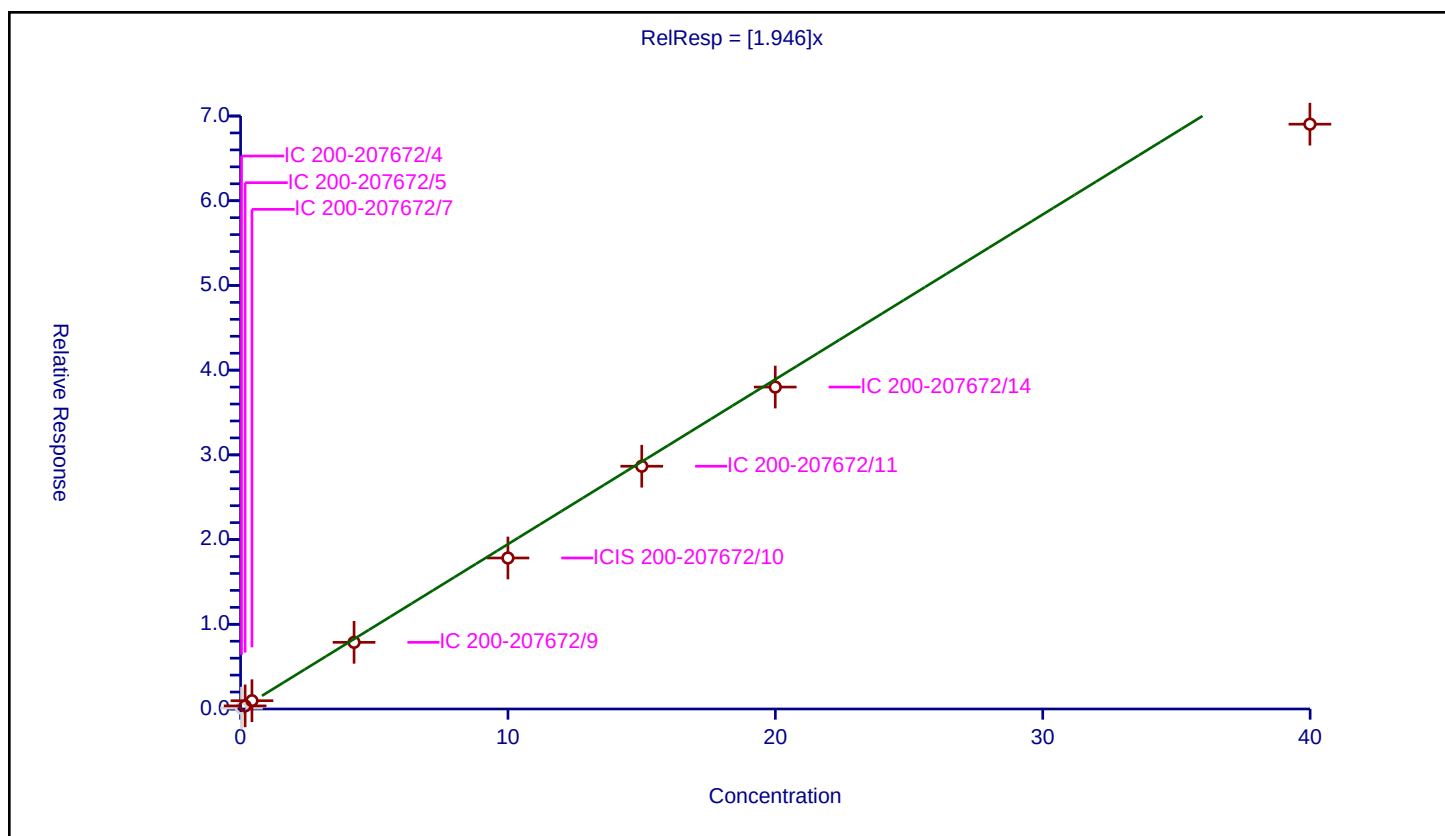
Curve Coefficients

Intercept: 0
Slope: 1.946

Error Coefficients

Relative Standard Deviation: 10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.10207	10.0	86705.0	2.909896	N
2	IC 200-207672/5	0.170374	0.366523	10.0	82396.0	2.151286	Y
3	IC 200-207672/7	0.425385	0.97664	10.0	69135.0	2.295898	Y
4	IC 200-207672/9	4.243678	7.867539	10.0	77638.0	1.853943	Y
5	ICIS 200-207672/10	9.99806	17.824711	10.0	79640.0	1.782817	Y
6	IC 200-207672/11	15.003557	28.656804	10.0	80234.0	1.910001	Y
7	IC 200-207672/14	19.99612	38.003186	10.0	78465.0	1.900528	Y
8	IC 200-207672/15	39.99224	69.038184	10.0	89934.0	1.72629	Y



Calibration

/ Vinyl bromide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

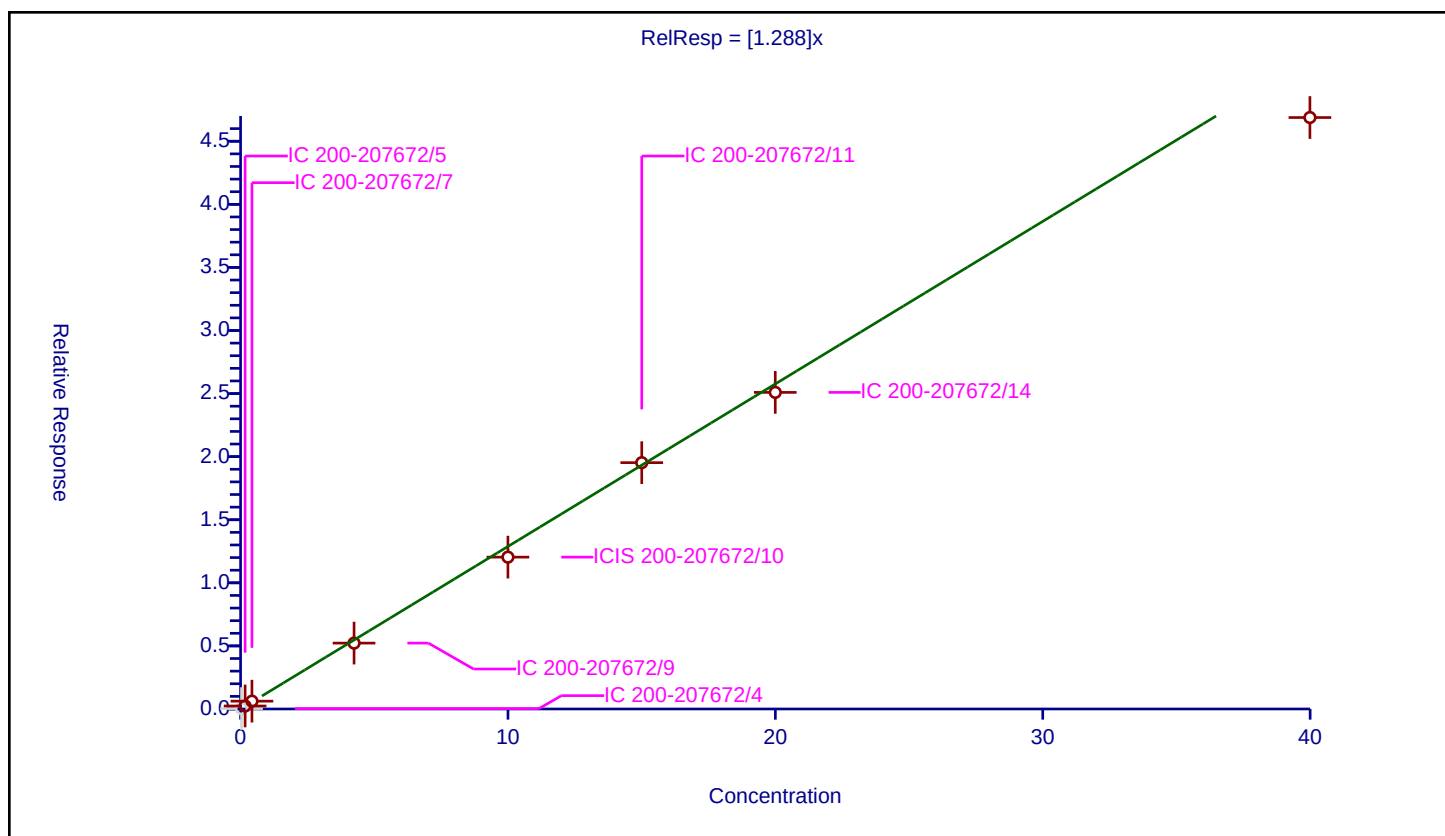
Curve Coefficients

Intercept: 0
 Slope: 1.288

Error Coefficients

Relative Standard Deviation: 8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.030909	10.0	86705.0	0.881189	N
2	IC 200-207672/5	0.170374	0.237876	10.0	82396.0	1.396199	Y
3	IC 200-207672/7	0.425385	0.620525	10.0	69135.0	1.458739	Y
4	IC 200-207672/9	4.243678	5.222571	10.0	77638.0	1.230671	Y
5	ICIS 200-207672/10	9.99806	12.03566	10.0	79640.0	1.2038	Y
6	IC 200-207672/11	15.003557	19.523768	10.0	80234.0	1.301276	Y
7	IC 200-207672/14	19.99612	25.094373	10.0	78465.0	1.254962	Y
8	IC 200-207672/15	39.99224	46.880045	10.0	89934.0	1.172229	Y



Calibration

/ Trichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

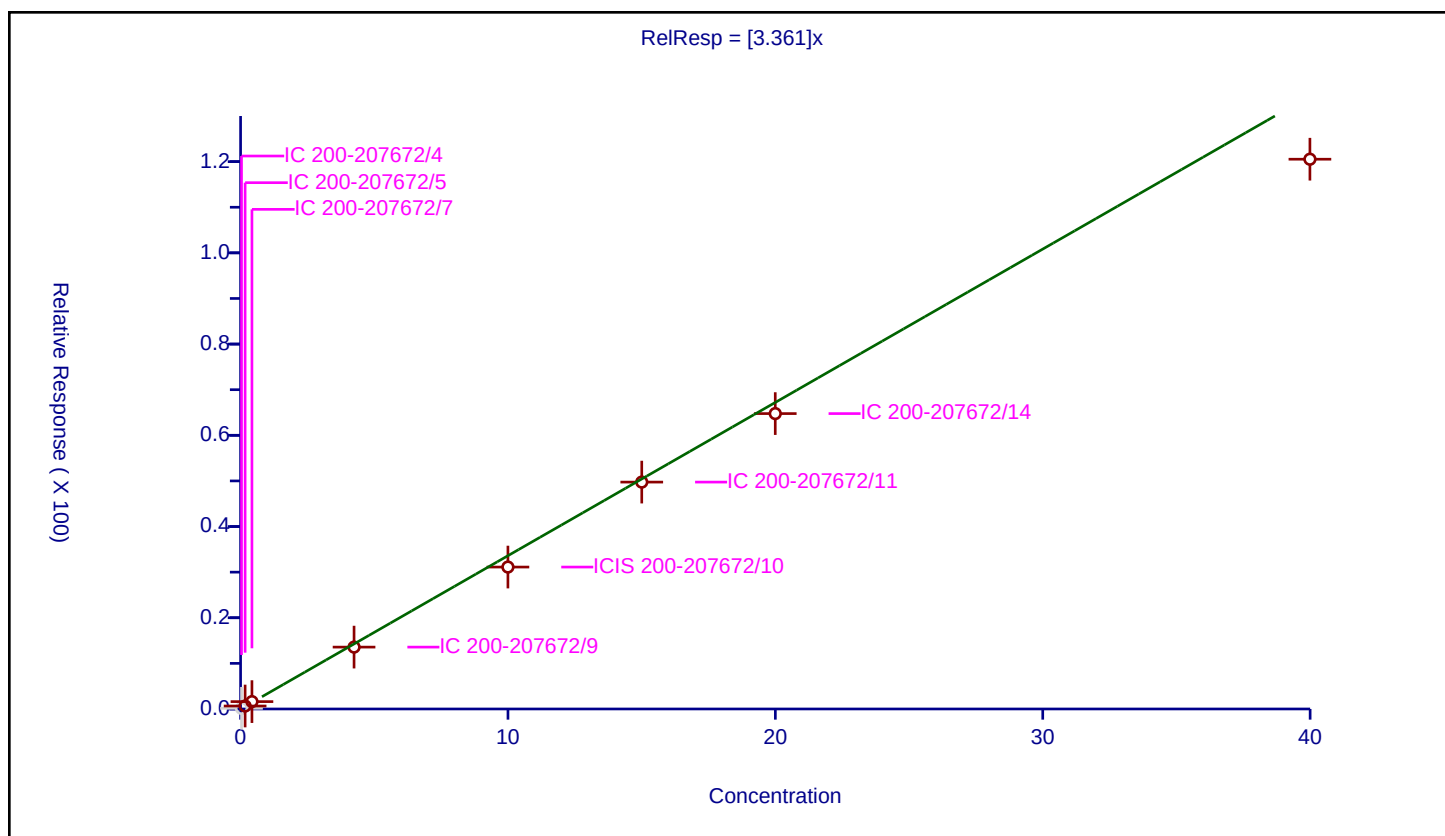
Curve Coefficients

Intercept: 0
Slope: 3.361

Error Coefficients

Relative Standard Deviation: 9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.151433	10.0	86705.0	4.317167	N
2	IC 200-207672/5	0.170374	0.654401	10.0	82396.0	3.840972	Y
3	IC 200-207672/7	0.425385	1.619296	10.0	69135.0	3.806662	Y
4	IC 200-207672/9	4.243678	13.568742	10.0	77638.0	3.197401	Y
5	ICIS 200-207672/10	9.99806	31.117152	10.0	79640.0	3.112319	Y
6	IC 200-207672/11	15.003557	49.741381	10.0	80234.0	3.315306	Y
7	IC 200-207672/14	19.99612	64.759574	10.0	78465.0	3.238607	Y
8	IC 200-207672/15	39.99224	120.530167	10.0	89934.0	3.013839	Y



Calibration

/ Pentane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

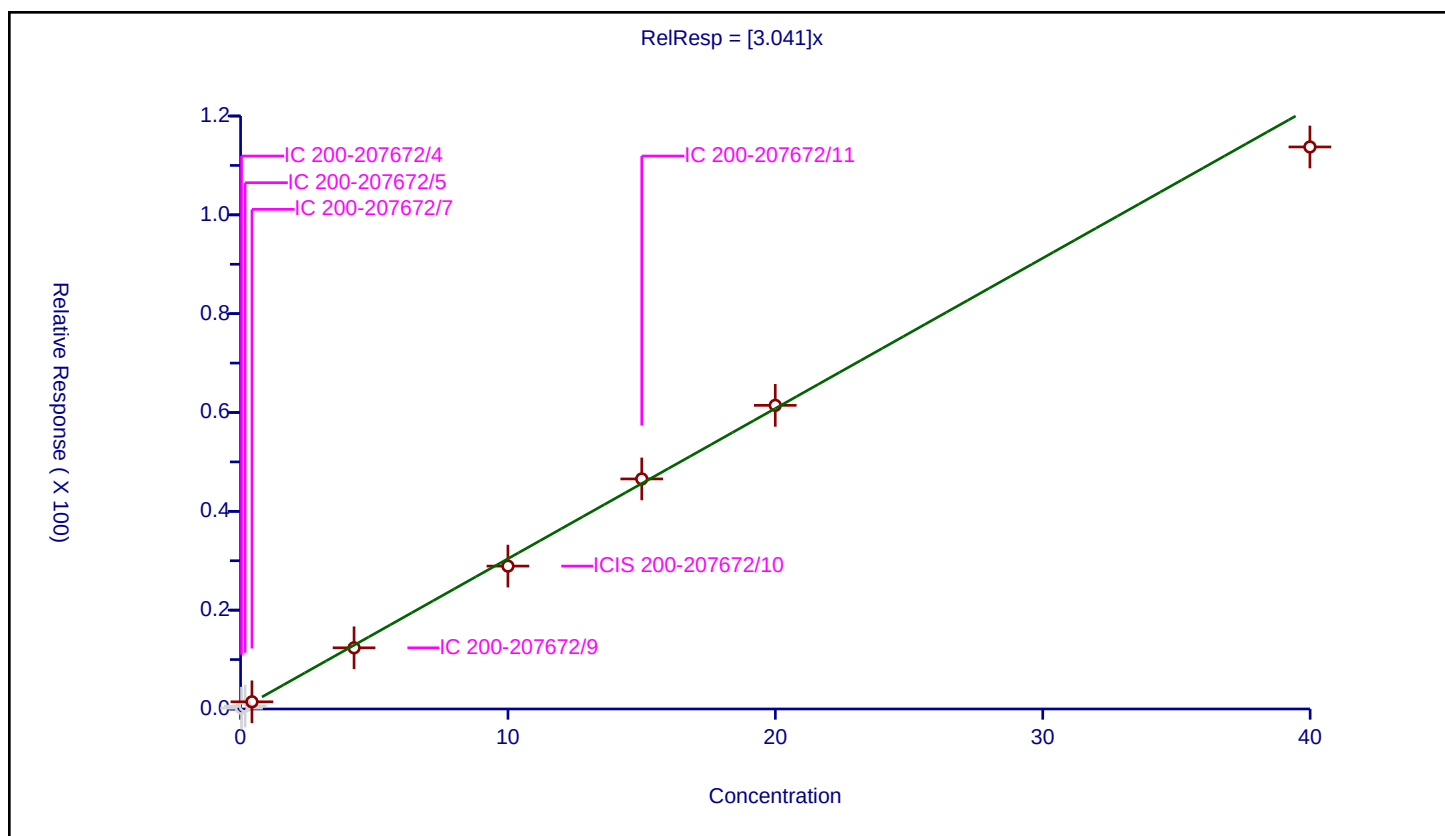
Curve Coefficients

Intercept: 0
Slope: 3.041

Error Coefficients

Relative Standard Deviation: 6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.164581	10.0	86705.0	4.692001	N
2	IC 200-207672/5	0.170374	0.592019	10.0	82396.0	3.474826	N
3	IC 200-207672/7	0.425385	1.453388	10.0	69135.0	3.416645	Y
4	IC 200-207672/9	4.243678	12.383498	10.0	77638.0	2.918105	Y
5	ICIS 200-207672/10	9.99806	28.917629	10.0	79640.0	2.892324	Y
6	IC 200-207672/11	15.003557	46.560311	10.0	80234.0	3.103285	Y
7	IC 200-207672/14	19.99612	61.44574	10.0	78465.0	3.072883	Y
8	IC 200-207672/15	39.99224	113.738186	10.0	89934.0	2.844006	Y



Calibration

/ Ethanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

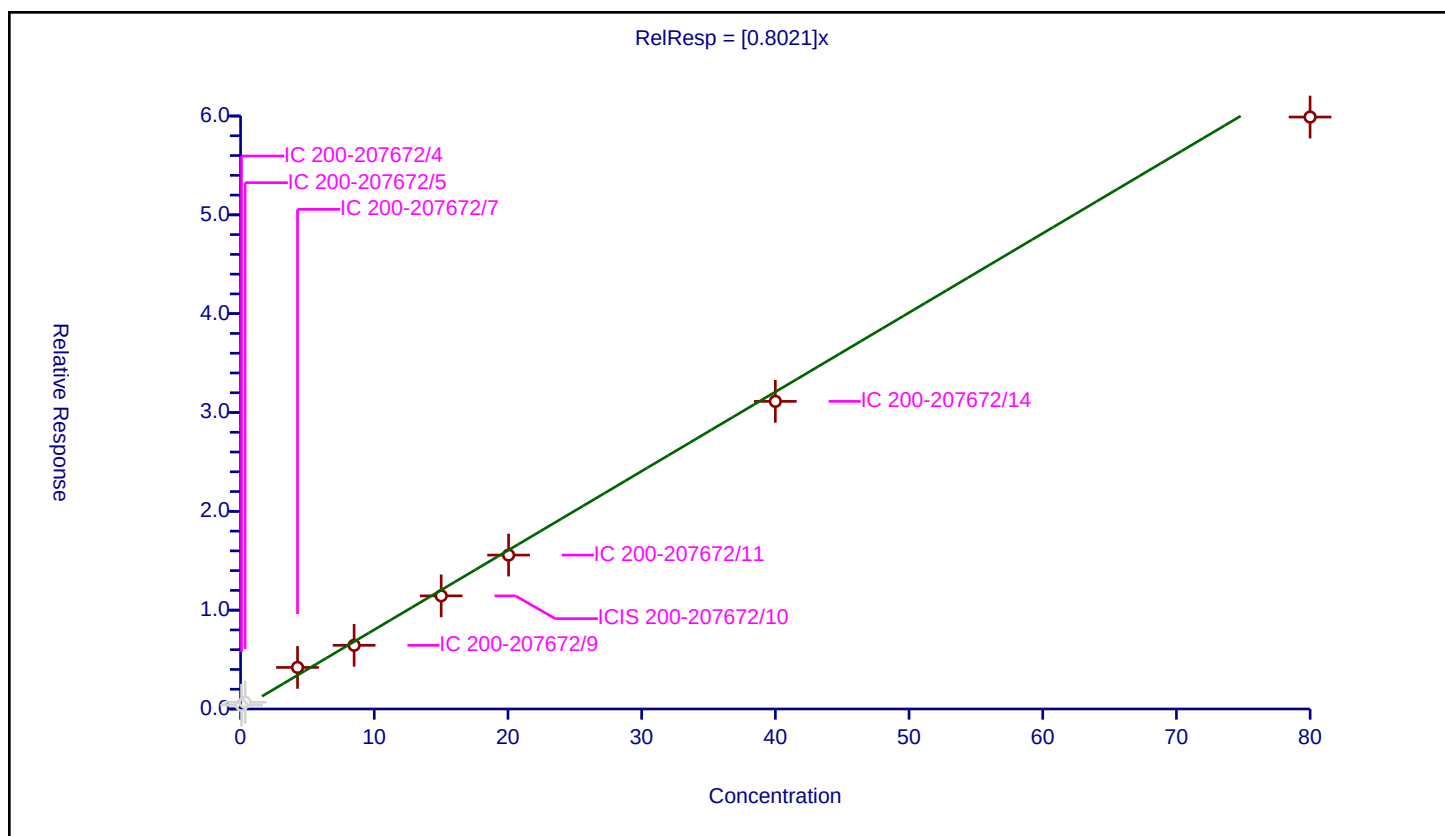
Curve Coefficients

Intercept: 0
 Slope: 0.8021

Error Coefficients

Relative Standard Deviation: 11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.070165	0.37864	10.0	86705.0	5.396408	N
2	IC 200-207672/5	0.340803	0.679523	10.0	82396.0	1.993892	N
3	IC 200-207672/7	4.259043	4.204817	10.0	69135.0	0.987268	Y
4	IC 200-207672/9	8.492854	6.444009	10.0	77638.0	0.758757	Y
5	ICIS 200-207672/10	15.003557	11.446133	10.0	79640.0	0.762895	Y
6	IC 200-207672/11	20.047856	15.572575	10.0	80234.0	0.77677	Y
7	IC 200-207672/14	39.998707	31.126362	10.0	78465.0	0.778184	Y
8	IC 200-207672/15	79.997413	59.893811	10.0	89934.0	0.748697	Y



Calibration

/ Ethyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

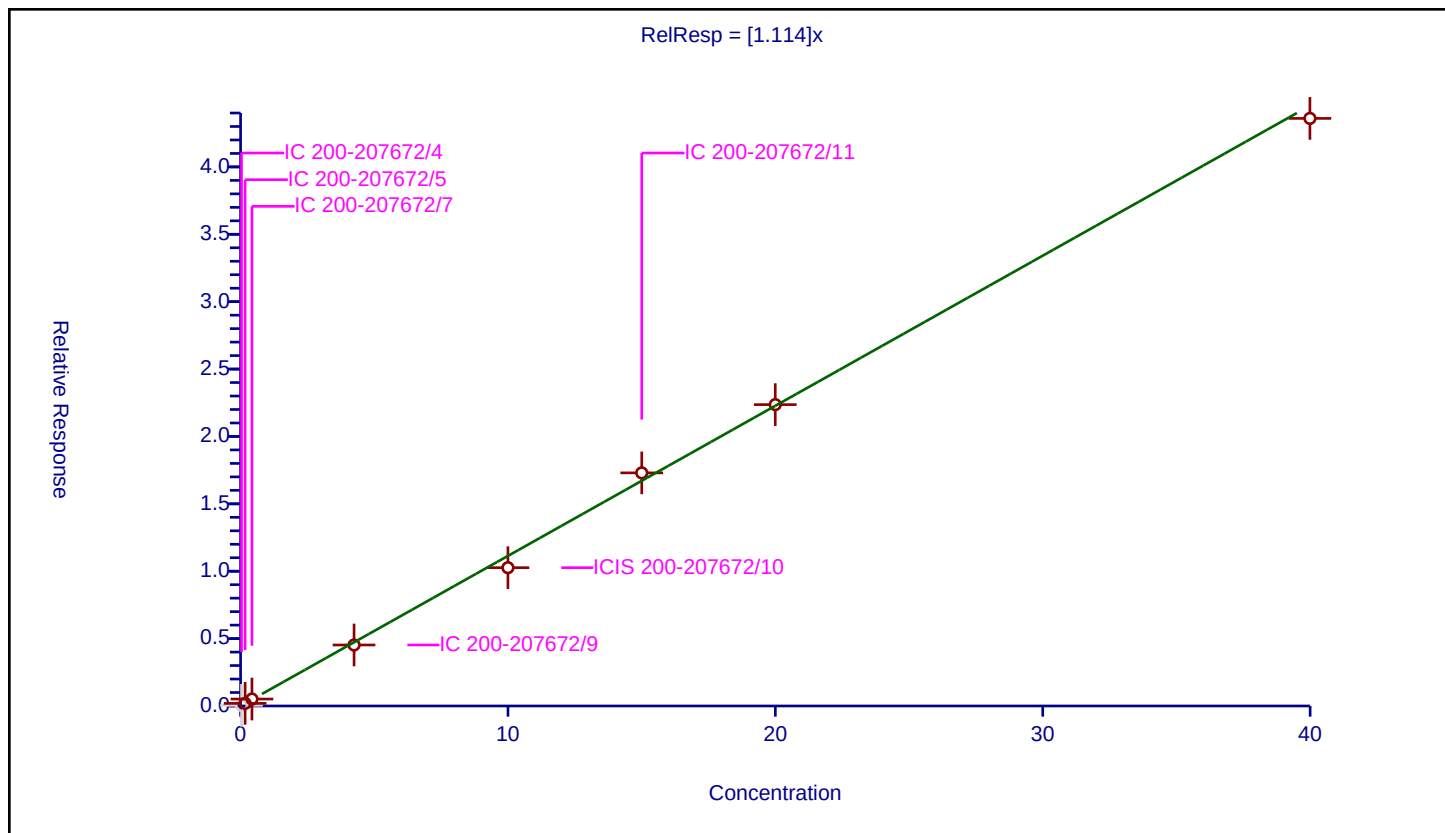
Curve Coefficients

Intercept: 0
 Slope: 1.114

Error Coefficients

Relative Standard Deviation: 5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.045787	10.0	86705.0	1.305343	N
2	IC 200-207672/5	0.170374	0.192971	10.0	82396.0	1.132631	Y
3	IC 200-207672/7	0.425385	0.514501	10.0	69135.0	1.209495	Y
4	IC 200-207672/9	4.243678	4.526263	10.0	77638.0	1.06659	Y
5	ICIS 200-207672/10	9.99806	10.261929	10.0	79640.0	1.026392	Y
6	IC 200-207672/11	15.003557	17.296283	10.0	80234.0	1.152812	Y
7	IC 200-207672/14	19.99612	22.362072	10.0	78465.0	1.118321	Y
8	IC 200-207672/15	39.99224	43.599751	10.0	89934.0	1.090205	Y



Calibration

/ Acrolein

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

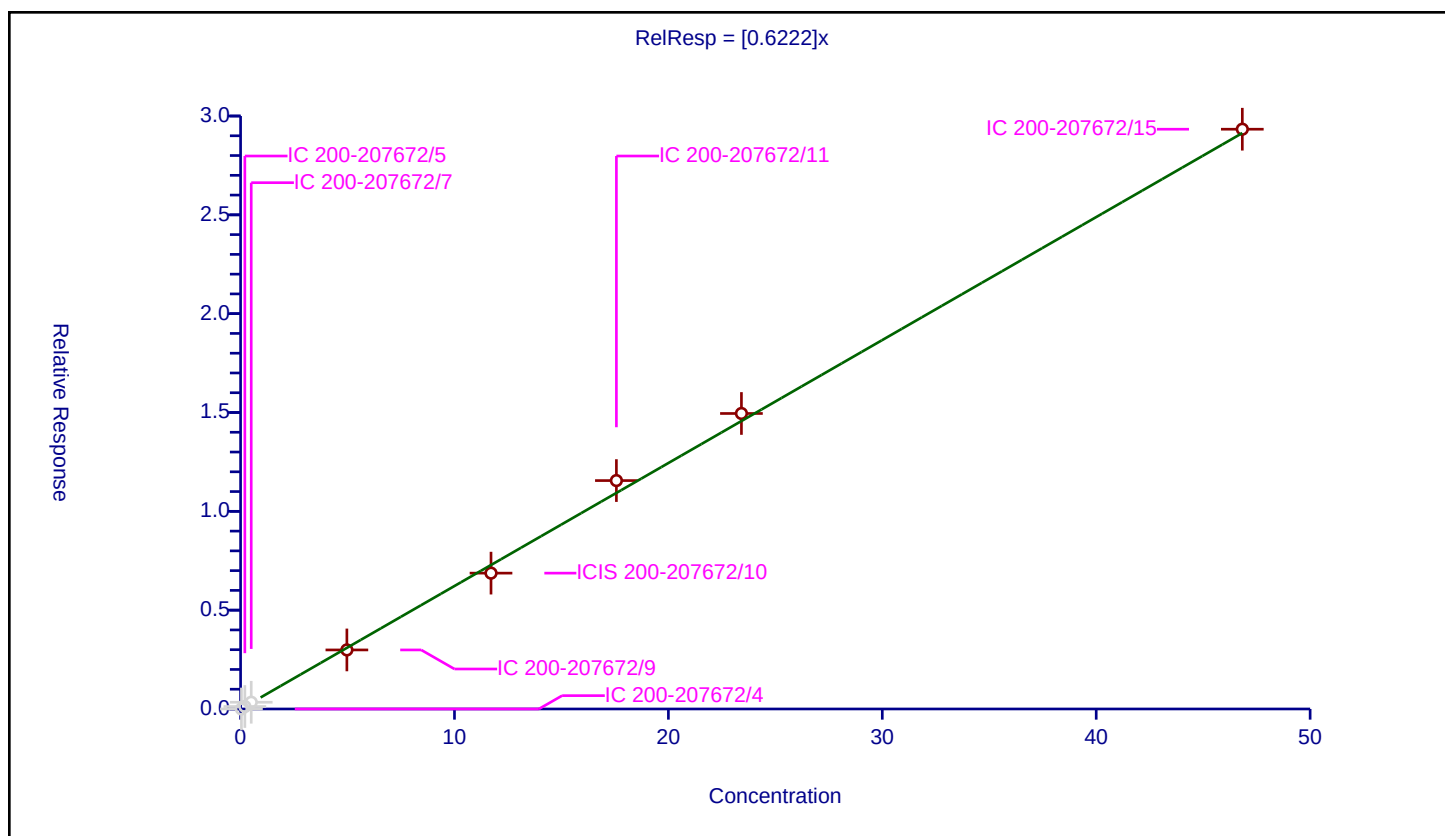
Curve Coefficients

Intercept: 0
Slope: 0.6222

Error Coefficients

Relative Standard Deviation: 4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.041075	0.0	10.0	86705.0	0.0	N
2	IC 200-207672/5	0.199508	0.124885	10.0	82396.0	0.625965	N
3	IC 200-207672/7	0.498125	0.341072	10.0	69135.0	0.684711	N
4	IC 200-207672/9	4.969347	2.98797	10.0	77638.0	0.60128	Y
5	ICIS 200-207672/10	11.707728	6.873556	10.0	79640.0	0.587096	Y
6	IC 200-207672/11	17.569165	11.55545	10.0	80234.0	0.657712	Y
7	IC 200-207672/14	23.415456	14.950997	10.0	78465.0	0.63851	Y
8	IC 200-207672/15	46.830913	29.332288	10.0	89934.0	0.626345	Y



Calibration

/ 1,1-Dichloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

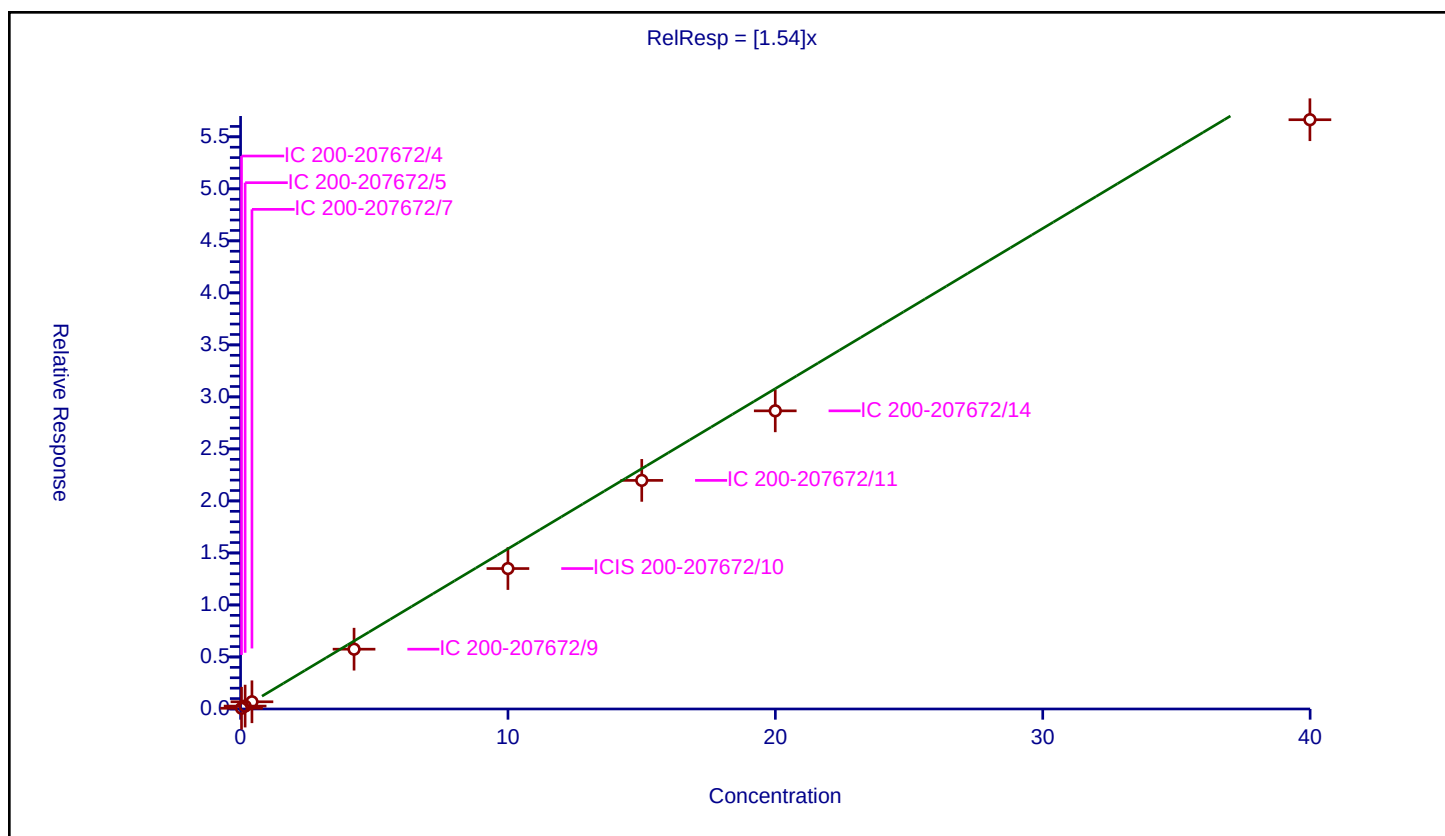
Curve Coefficients

Intercept: 0
 Slope: 1.54

Error Coefficients

Relative Standard Deviation: 14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.071507	10.0	86705.0	2.038571	Y
2	IC 200-207672/5	0.170374	0.278169	10.0	82396.0	1.632698	Y
3	IC 200-207672/7	0.425385	0.692124	10.0	69135.0	1.627055	Y
4	IC 200-207672/9	4.243678	5.749247	10.0	77638.0	1.354779	Y
5	ICIS 200-207672/10	9.99806	13.501005	10.0	79640.0	1.350362	Y
6	IC 200-207672/11	15.003557	21.975596	10.0	80234.0	1.464692	Y
7	IC 200-207672/14	19.99612	28.660294	10.0	78465.0	1.433293	Y
8	IC 200-207672/15	39.99224	56.643983	10.0	89934.0	1.416374	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

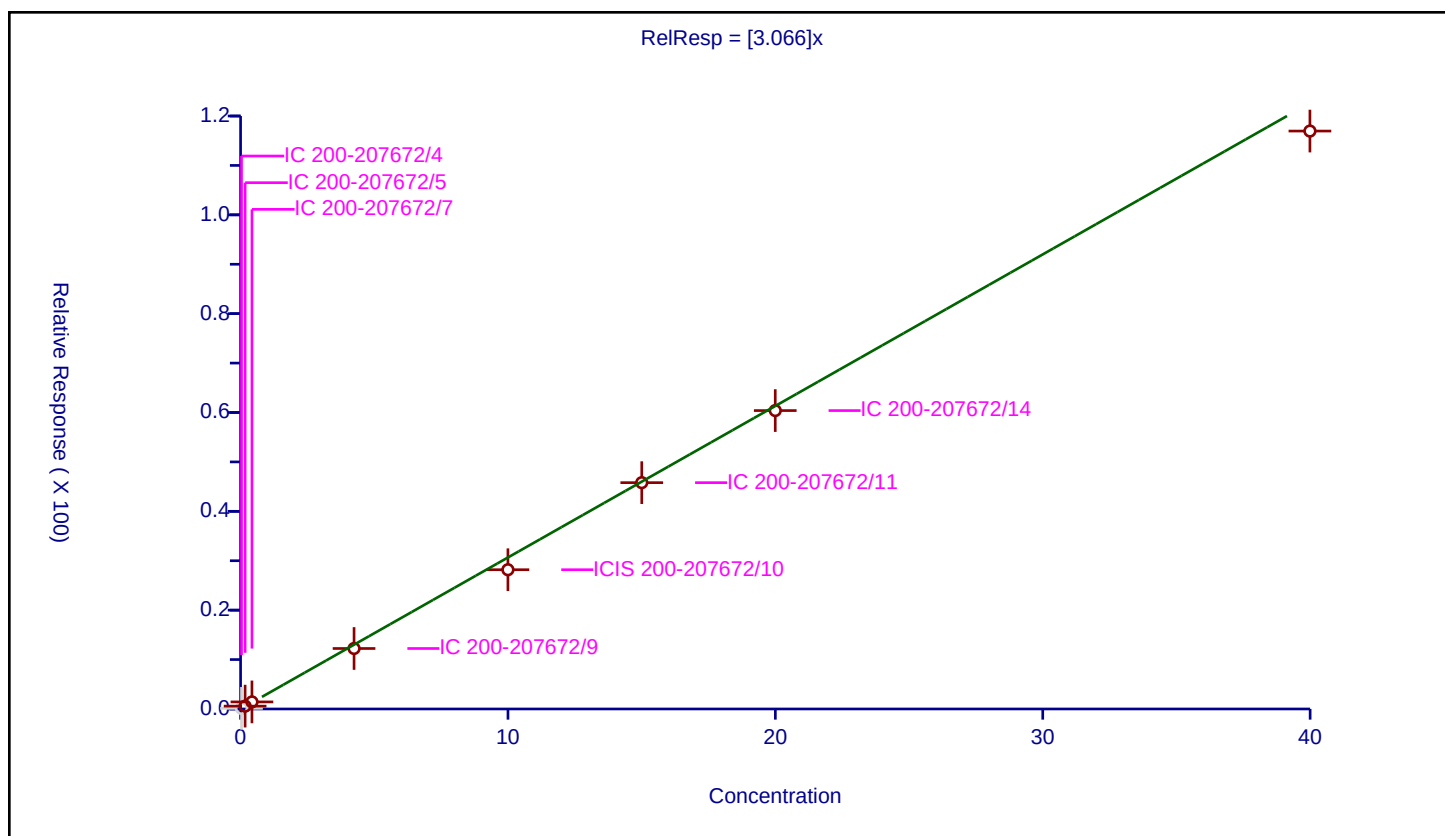
Curve Coefficients

Intercept: 0
 Slope: 3.066

Error Coefficients

Relative Standard Deviation: 7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.128597	10.0	86705.0	3.66614	N
2	IC 200-207672/5	0.170374	0.578062	10.0	82396.0	3.392906	Y
3	IC 200-207672/7	0.425385	1.433717	10.0	69135.0	3.3704	Y
4	IC 200-207672/9	4.243678	12.243103	10.0	77638.0	2.885021	Y
5	ICIS 200-207672/10	9.99806	28.18232	10.0	79640.0	2.818779	Y
6	IC 200-207672/11	15.003557	45.801904	10.0	80234.0	3.052736	Y
7	IC 200-207672/14	19.99612	60.391257	10.0	78465.0	3.020149	Y
8	IC 200-207672/15	39.99224	116.954656	10.0	89934.0	2.924434	Y



Calibration

/ Acetone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

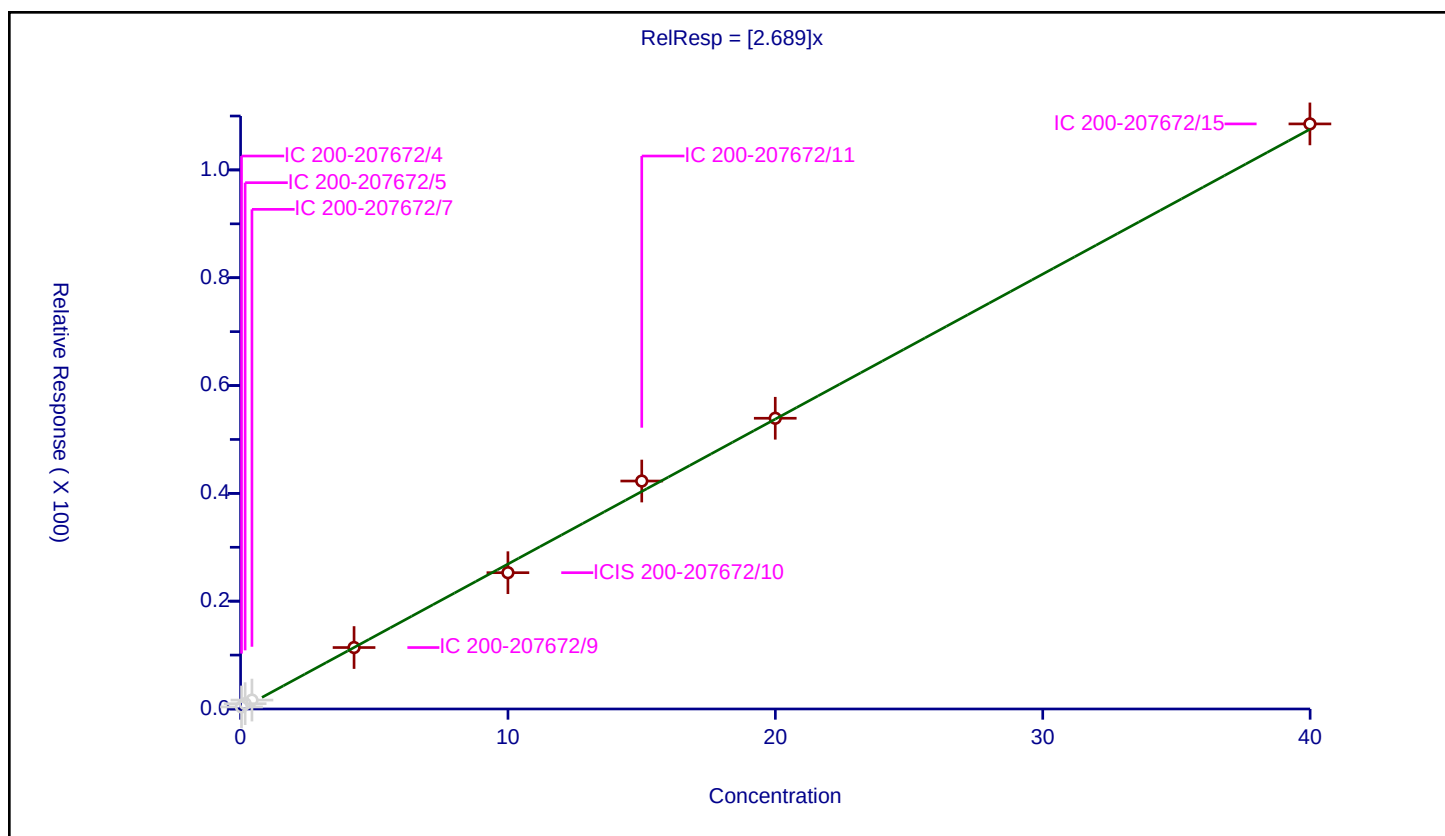
Curve Coefficients

Intercept: 0
 Slope: 2.689

Error Coefficients

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.378525	10.0	86705.0	10.791274	N
2	IC 200-207672/5	0.170374	0.986456	10.0	82396.0	5.789952	N
3	IC 200-207672/7	0.425385	1.652708	10.0	69135.0	3.885209	N
4	IC 200-207672/9	4.243678	11.400474	10.0	77638.0	2.68646	Y
5	ICIS 200-207672/10	9.99806	25.285912	10.0	79640.0	2.529082	Y
6	IC 200-207672/11	15.003557	42.288805	10.0	80234.0	2.818585	Y
7	IC 200-207672/14	19.99612	53.935003	10.0	78465.0	2.697273	Y
8	IC 200-207672/15	39.99224	108.536482	10.0	89934.0	2.713939	Y



Calibration

/ Carbon disulfide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

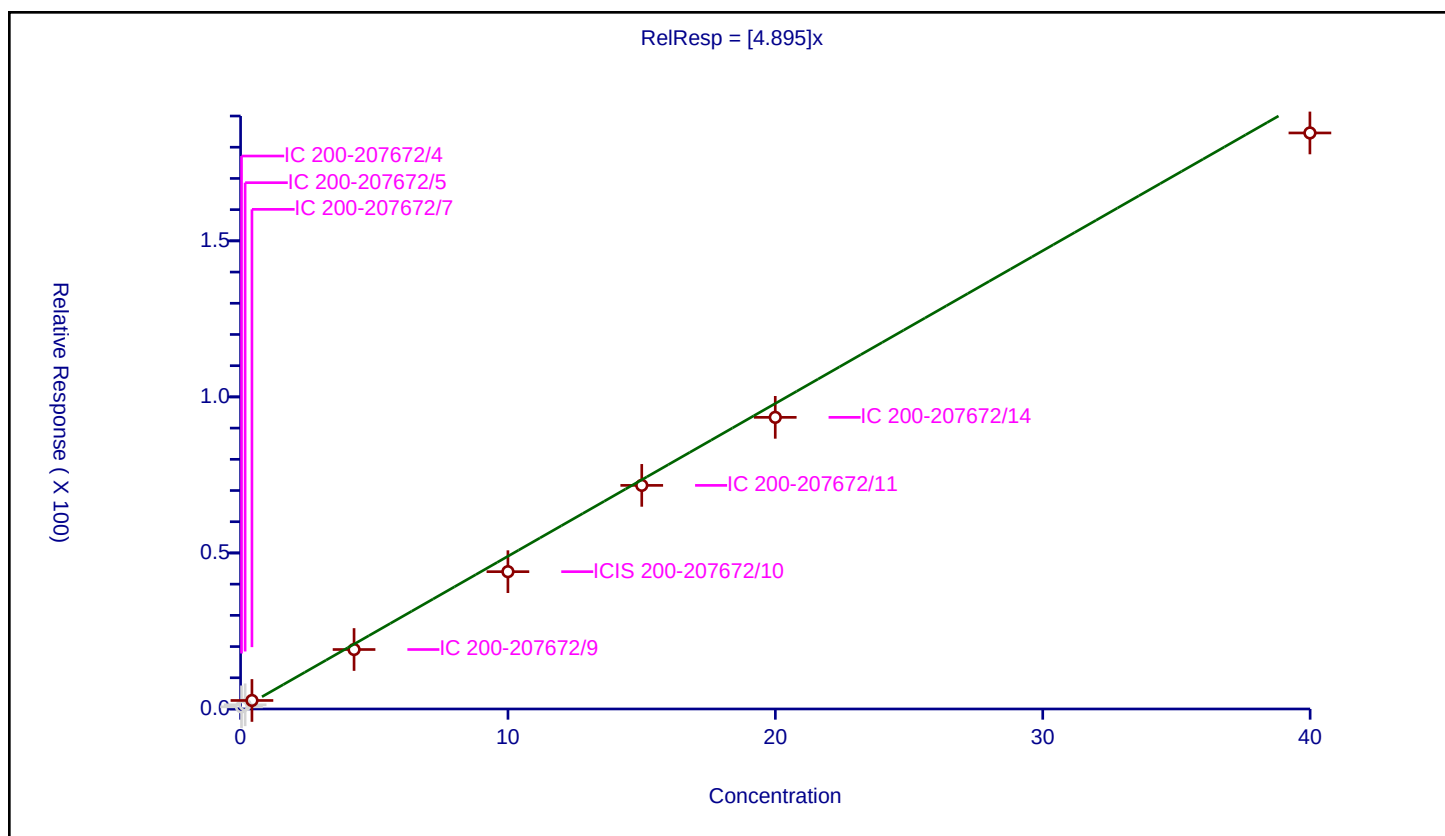
Curve Coefficients

Intercept: 0
 Slope: 4.895

Error Coefficients

Relative Standard Deviation: 15.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.691656	10.0	86705.0	19.718242	N
2	IC 200-207672/5	0.170374	1.334409	10.0	82396.0	7.832249	N
3	IC 200-207672/7	0.425385	2.726983	10.0	69135.0	6.410629	Y
4	IC 200-207672/9	4.243678	19.061156	10.0	77638.0	4.491659	Y
5	ICIS 200-207672/10	9.99806	43.999372	10.0	79640.0	4.400791	Y
6	IC 200-207672/11	15.003557	71.65142	10.0	80234.0	4.775629	Y
7	IC 200-207672/14	19.99612	93.445868	10.0	78465.0	4.6732	Y
8	IC 200-207672/15	39.99224	184.574466	10.0	89934.0	4.615257	Y



Calibration

/ Isopropyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

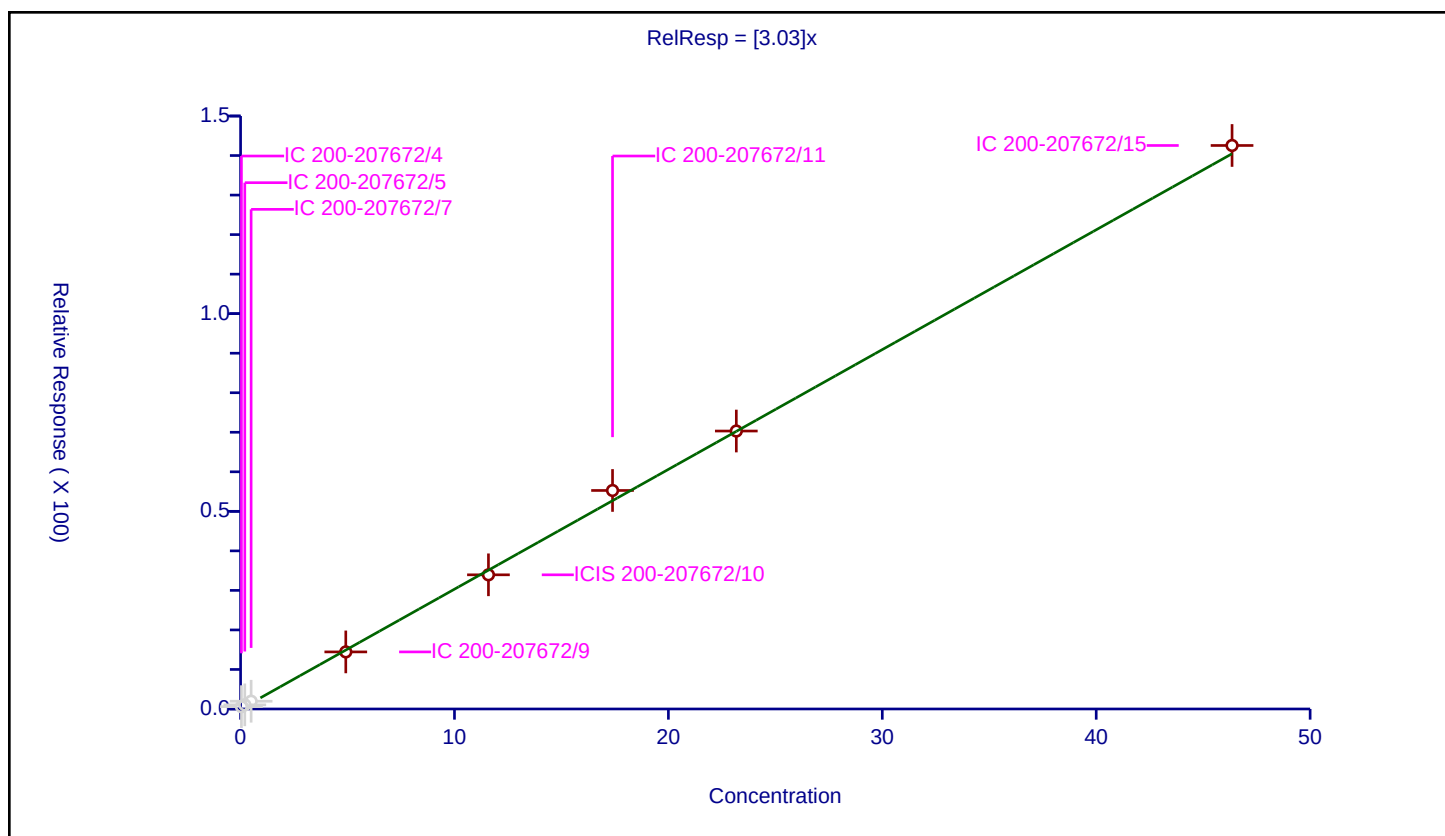
Curve Coefficients

Intercept: 0
 Slope: 3.03

Error Coefficients

Relative Standard Deviation: 3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.040654	0.592815	10.0	86705.0	14.58189	N
2	IC 200-207672/5	0.197463	1.051022	10.0	82396.0	5.322623	N
3	IC 200-207672/7	0.493021	1.962103	10.0	69135.0	3.979757	N
4	IC 200-207672/9	4.918423	14.43726	10.0	77638.0	2.935343	Y
5	ICIS 200-207672/10	11.587751	33.940357	10.0	79640.0	2.928986	Y
6	IC 200-207672/11	17.389122	55.273949	10.0	80234.0	3.178651	Y
7	IC 200-207672/14	23.175503	70.310329	10.0	78465.0	3.033821	Y
8	IC 200-207672/15	46.351006	142.54709	10.0	89934.0	3.075383	Y



Calibration

/ Acetonitrile

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

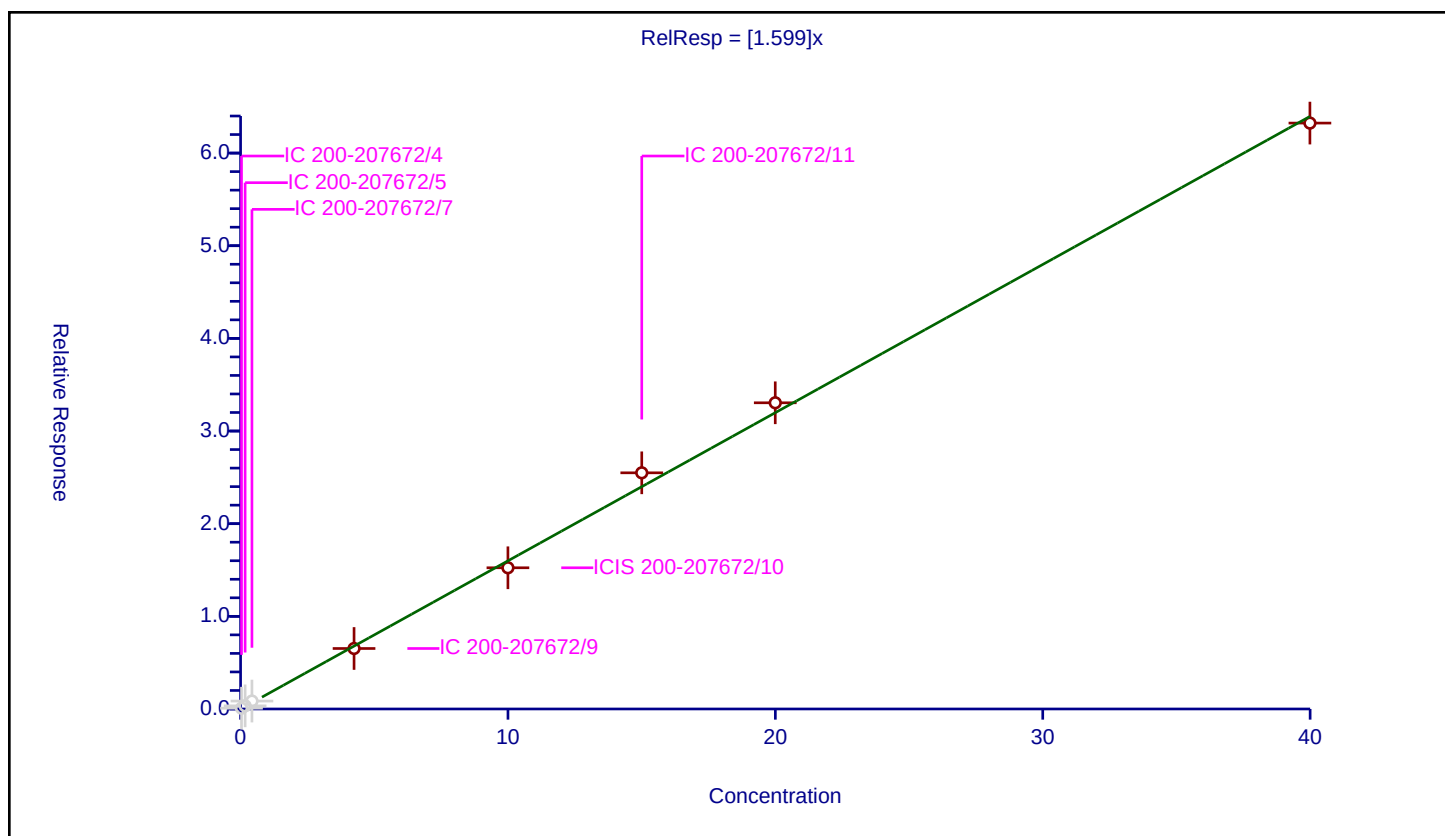
Curve Coefficients

Intercept: 0
 Slope: 1.599

Error Coefficients

Relative Standard Deviation: 4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.085578	10.0	86705.0	2.439709	N
2	IC 200-207672/5	0.170374	0.33873	10.0	82396.0	1.988159	N
3	IC 200-207672/7	0.425385	0.855572	10.0	69135.0	2.011291	N
4	IC 200-207672/9	4.243678	6.528633	10.0	77638.0	1.538437	Y
5	ICIS 200-207672/10	9.99806	15.242592	10.0	79640.0	1.524555	Y
6	IC 200-207672/11	15.003557	25.489194	10.0	80234.0	1.698877	Y
7	IC 200-207672/14	19.99612	33.047601	10.0	78465.0	1.652701	Y
8	IC 200-207672/15	39.99224	63.237596	10.0	89934.0	1.581247	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

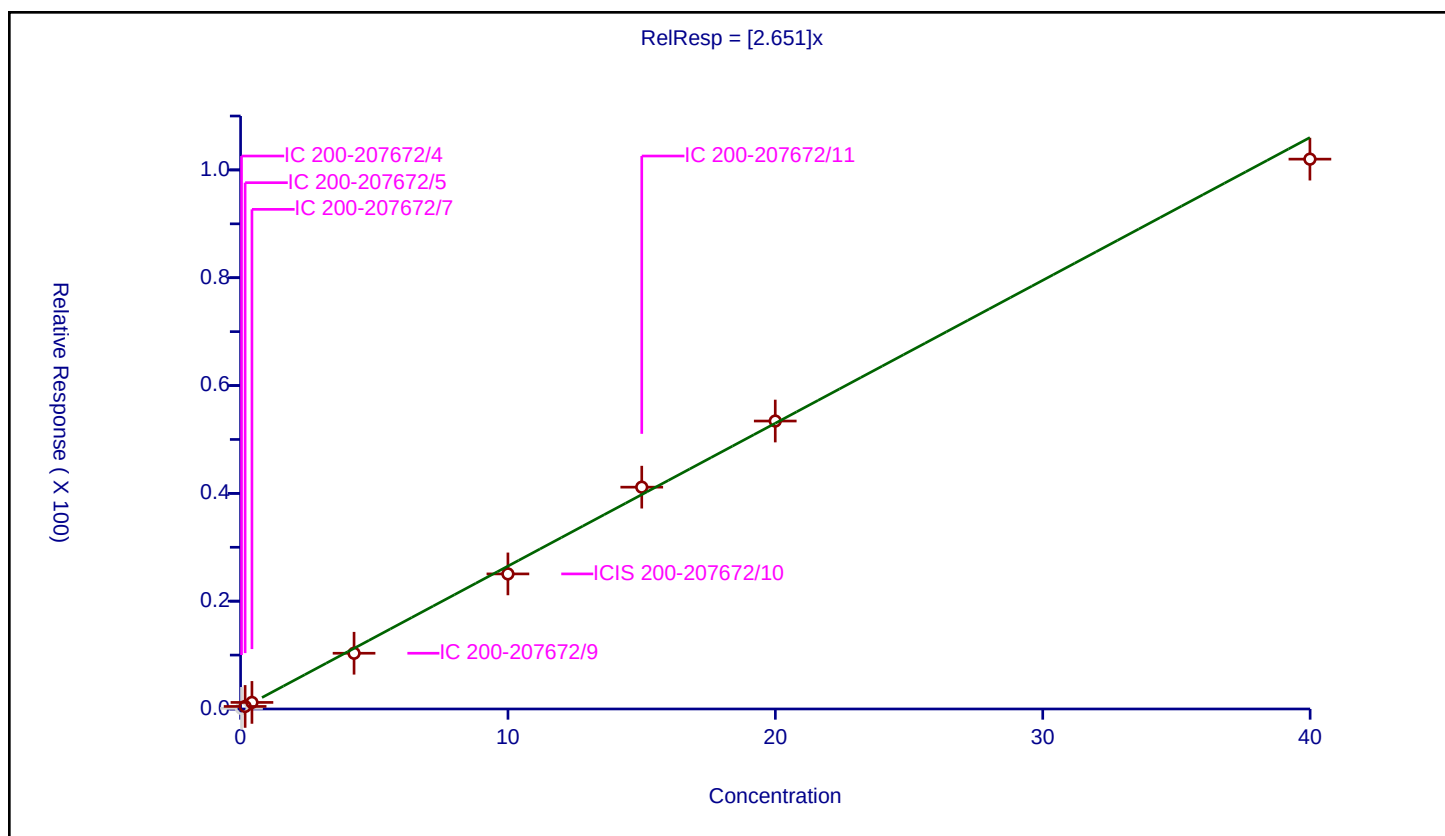
Curve Coefficients

Intercept: 0
Slope: 2.651

Error Coefficients

Relative Standard Deviation: 6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.117525	10.0	86705.0	3.35049	N
2	IC 200-207672/5	0.170374	0.473567	10.0	82396.0	2.779576	Y
3	IC 200-207672/7	0.425385	1.219932	10.0	69135.0	2.867832	Y
4	IC 200-207672/9	4.243678	10.34107	10.0	77638.0	2.436818	Y
5	ICIS 200-207672/10	9.99806	25.058011	10.0	79640.0	2.506287	Y
6	IC 200-207672/11	15.003557	41.15051	10.0	80234.0	2.742717	Y
7	IC 200-207672/14	19.99612	53.417065	10.0	78465.0	2.671372	Y
8	IC 200-207672/15	39.99224	102.000578	10.0	89934.0	2.550509	Y



Calibration

/ Methylene Chloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

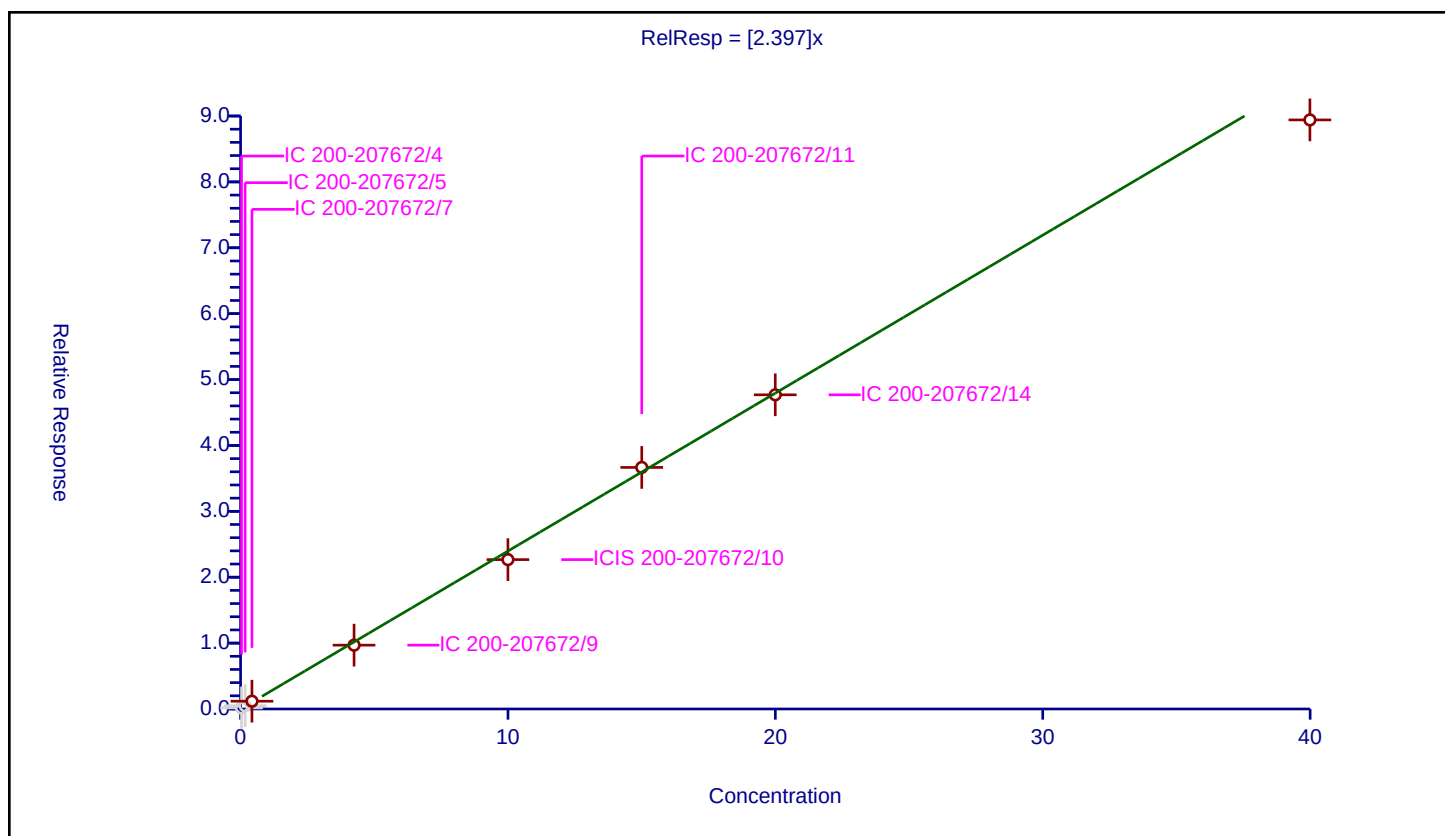
Curve Coefficients

Intercept: 0
 Slope: 2.397

Error Coefficients

Relative Standard Deviation: 8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.162044	10.0	86705.0	4.619665	N
2	IC 200-207672/5	0.170374	0.491407	10.0	82396.0	2.884291	N
3	IC 200-207672/7	0.425385	1.17784	10.0	69135.0	2.768883	Y
4	IC 200-207672/9	4.243678	9.685592	10.0	77638.0	2.282358	Y
5	ICIS 200-207672/10	9.99806	22.670392	10.0	79640.0	2.267479	Y
6	IC 200-207672/11	15.003557	36.66164	10.0	80234.0	2.44353	Y
7	IC 200-207672/14	19.99612	47.685083	10.0	78465.0	2.384717	Y
8	IC 200-207672/15	39.99224	89.408455	10.0	89934.0	2.235645	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

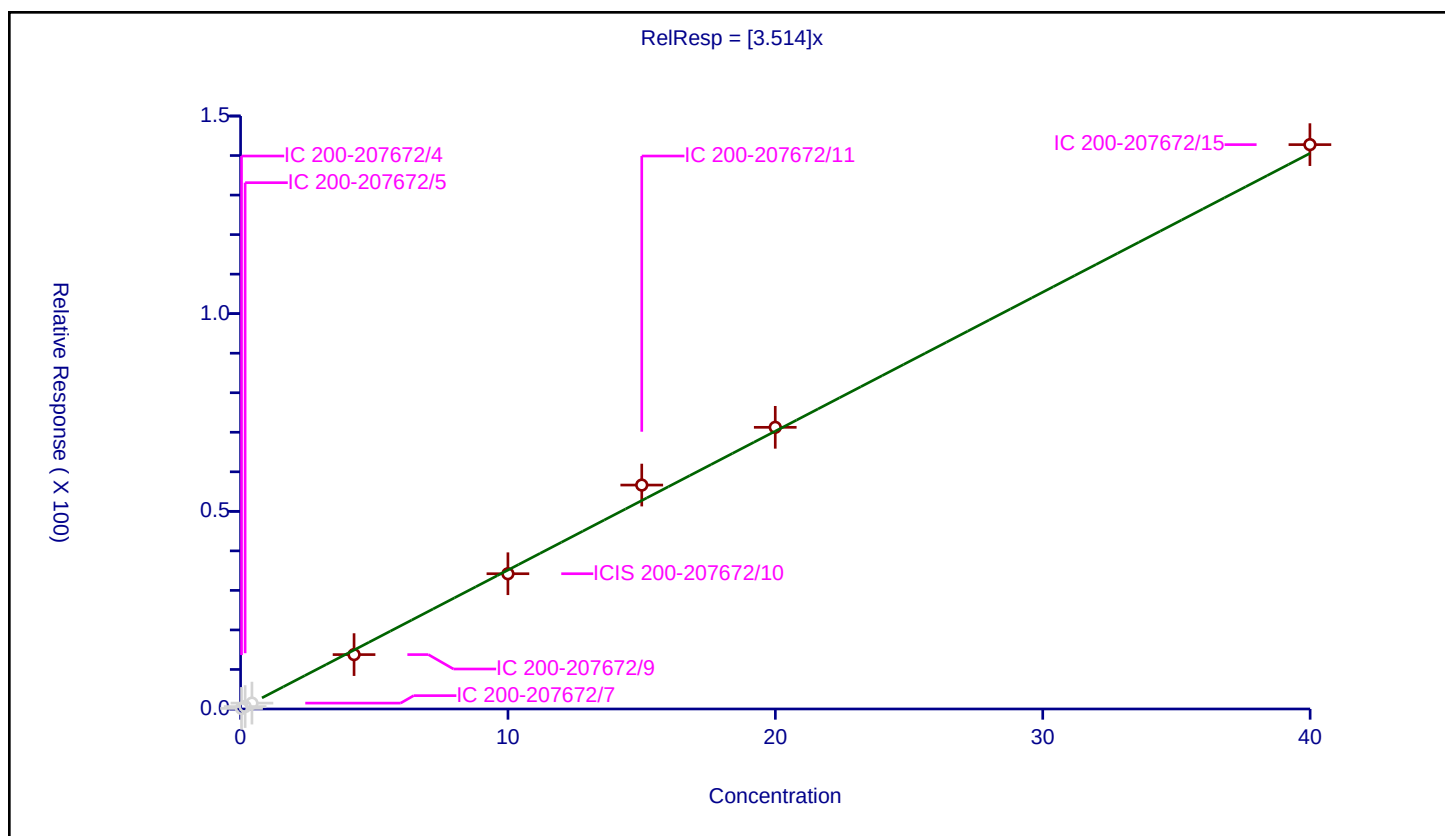
Curve Coefficients

Intercept: 0
 Slope: 3.514

Error Coefficients

Relative Standard Deviation: 5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.146704	10.0	86705.0	4.182358	N
2	IC 200-207672/5	0.170374	0.617627	10.0	82396.0	3.625131	N
3	IC 200-207672/7	0.425385	1.484632	10.0	69135.0	3.490091	N
4	IC 200-207672/9	4.243678	13.758469	10.0	77638.0	3.242109	Y
5	ICIS 200-207672/10	9.99806	34.213963	10.0	79640.0	3.42206	Y
6	IC 200-207672/11	15.003557	56.644814	10.0	80234.0	3.775426	Y
7	IC 200-207672/14	19.99612	71.249474	10.0	78465.0	3.563165	Y
8	IC 200-207672/15	39.99224	142.759802	10.0	89934.0	3.569688	Y



Calibration

/ Acrylonitrile

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

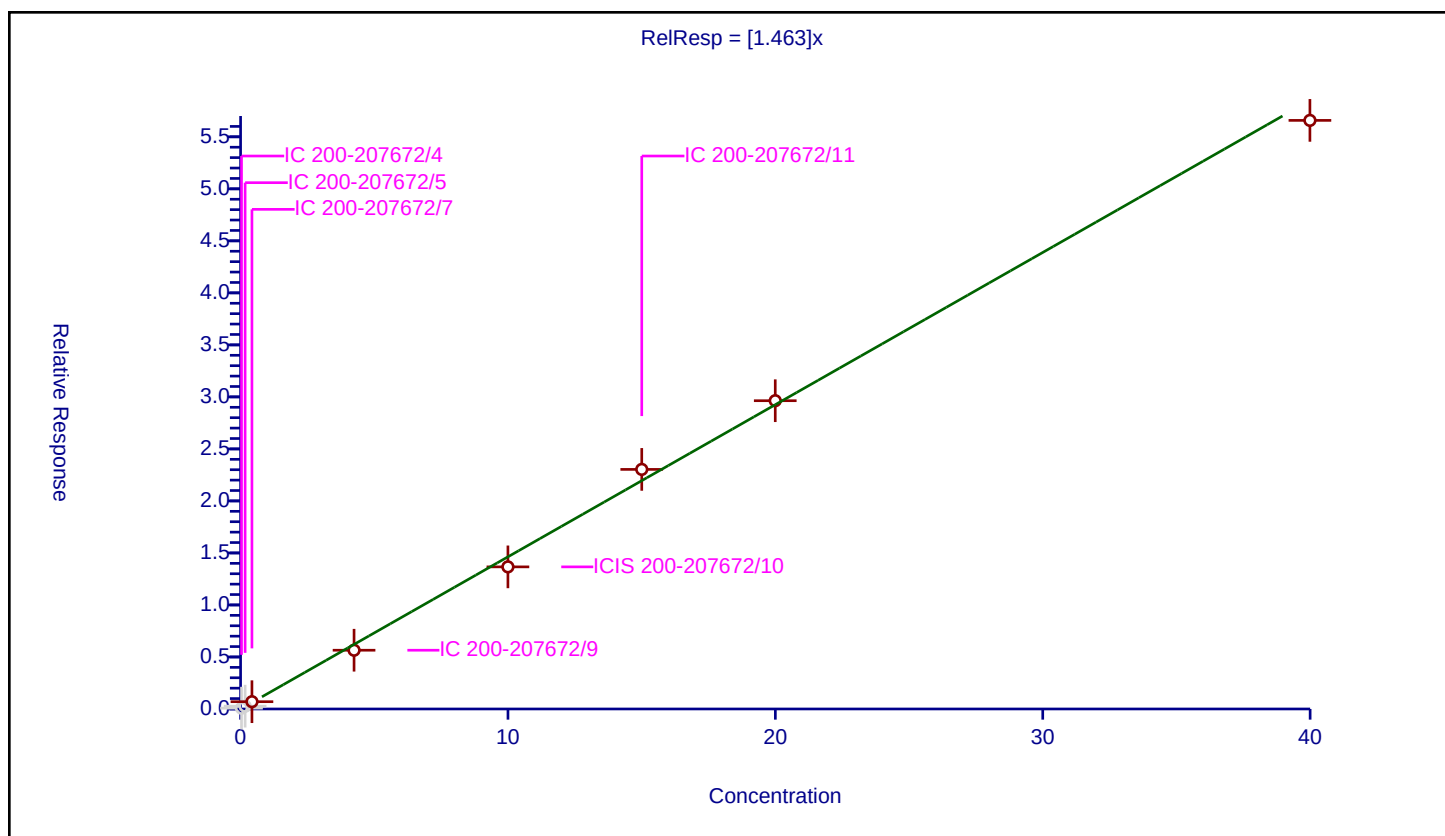
Curve Coefficients

Intercept: 0
 Slope: 1.463

Error Coefficients

Relative Standard Deviation: 8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.080849	10.0	86705.0	2.3049	N
2	IC 200-207672/5	0.170374	0.269673	10.0	82396.0	1.582834	N
3	IC 200-207672/7	0.425385	0.700803	10.0	69135.0	1.647456	Y
4	IC 200-207672/9	4.243678	5.648523	10.0	77638.0	1.331044	Y
5	ICIS 200-207672/10	9.99806	13.661351	10.0	79640.0	1.3664	Y
6	IC 200-207672/11	15.003557	23.029888	10.0	80234.0	1.534962	Y
7	IC 200-207672/14	19.99612	29.634869	10.0	78465.0	1.482031	Y
8	IC 200-207672/15	39.99224	56.579158	10.0	89934.0	1.414753	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

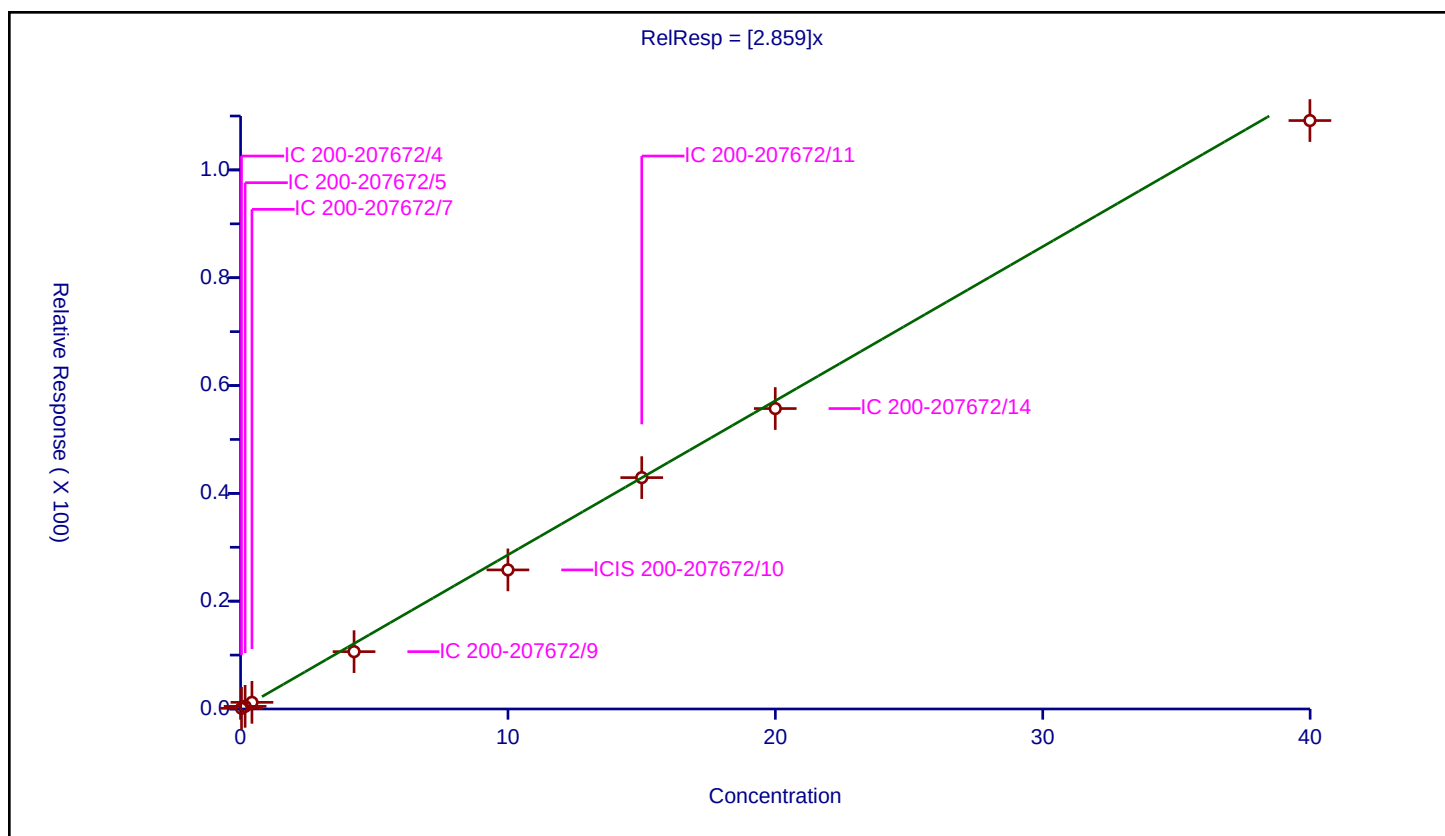
Curve Coefficients

Intercept: 0
Slope: 2.859

Error Coefficients

Relative Standard Deviation: 12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.127905	10.0	86705.0	3.646412	Y
2	IC 200-207672/5	0.170374	0.48716	10.0	82396.0	2.859359	Y
3	IC 200-207672/7	0.425385	1.235409	10.0	69135.0	2.904216	Y
4	IC 200-207672/9	4.243678	10.636286	10.0	77638.0	2.506384	Y
5	ICIS 200-207672/10	9.99806	25.801607	10.0	79640.0	2.580661	Y
6	IC 200-207672/11	15.003557	42.919336	10.0	80234.0	2.860611	Y
7	IC 200-207672/14	19.99612	55.731855	10.0	78465.0	2.787133	Y
8	IC 200-207672/15	39.99224	109.159828	10.0	89934.0	2.729525	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

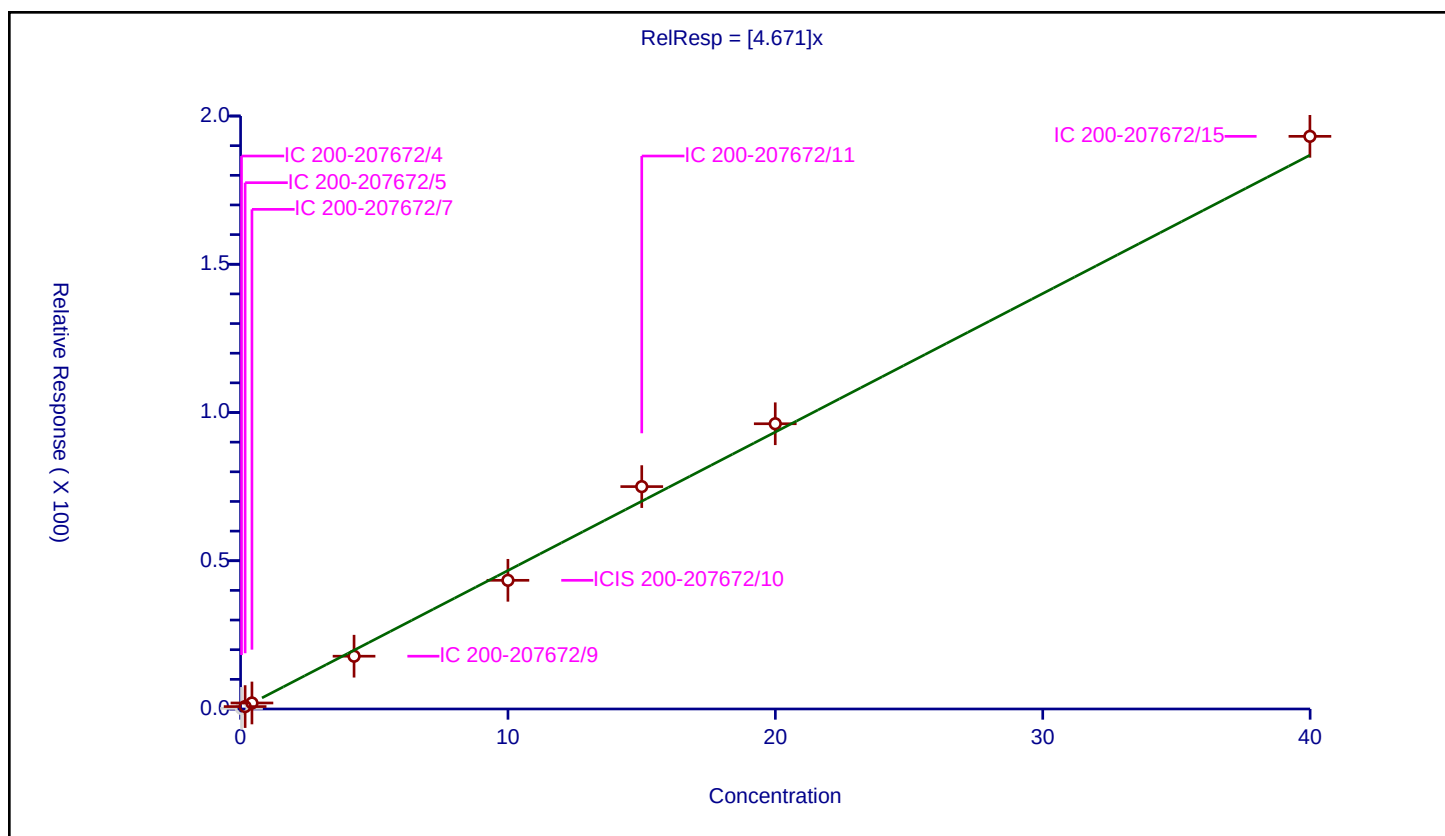
Curve Coefficients

Intercept: 0
Slope: 4.671

Error Coefficients

Relative Standard Deviation: 6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.204948	10.0	86705.0	5.842807	N
2	IC 200-207672/5	0.170374	0.810598	10.0	82396.0	4.757762	Y
3	IC 200-207672/7	0.425385	2.025168	10.0	69135.0	4.760792	Y
4	IC 200-207672/9	4.243678	17.807775	10.0	77638.0	4.196306	Y
5	ICIS 200-207672/10	9.99806	43.398543	10.0	79640.0	4.340696	Y
6	IC 200-207672/11	15.003557	75.002742	10.0	80234.0	4.998997	Y
7	IC 200-207672/14	19.99612	96.207099	10.0	78465.0	4.811288	Y
8	IC 200-207672/15	39.99224	193.146196	10.0	89934.0	4.829592	Y



Calibration

/ Hexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

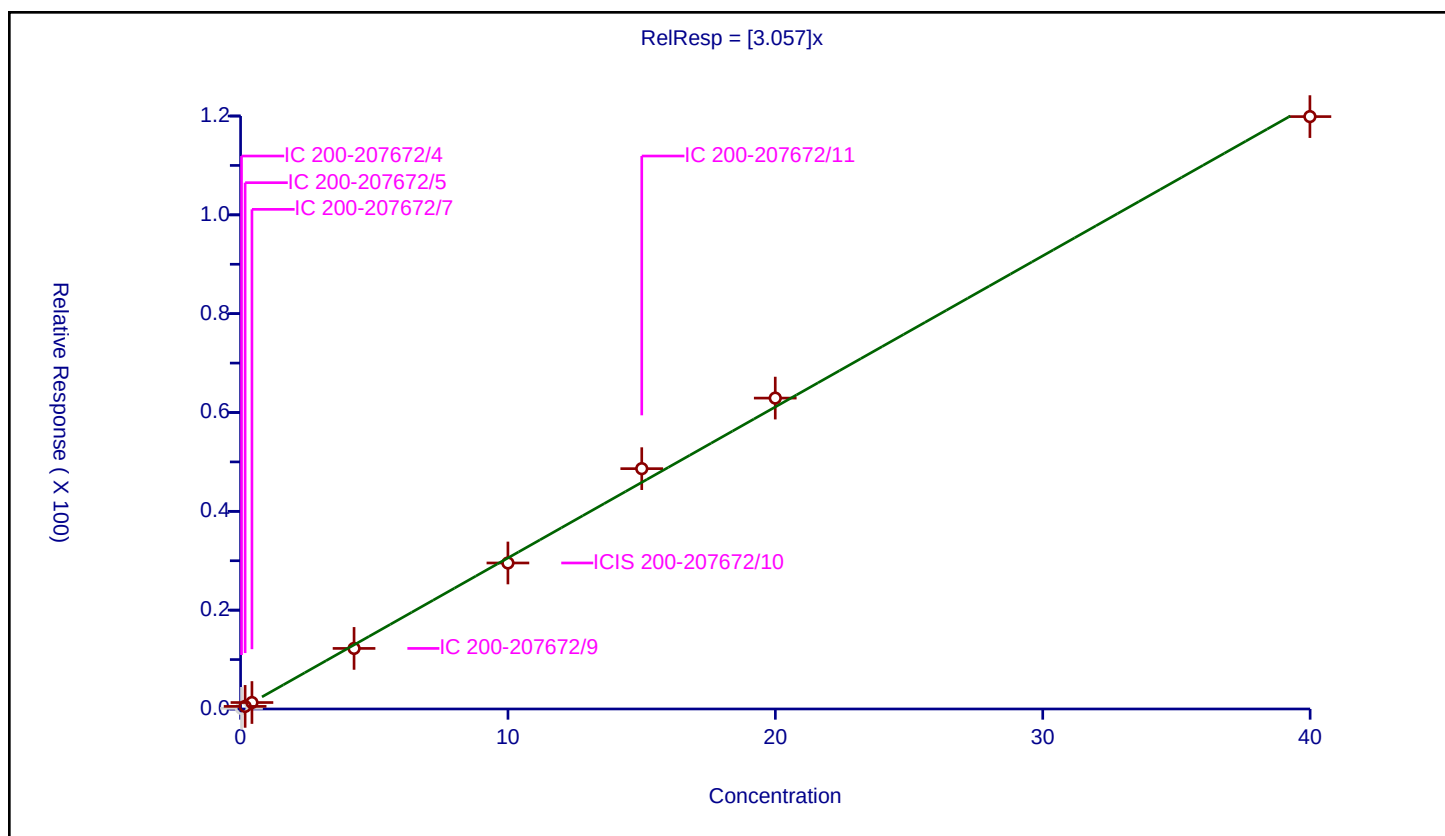
Curve Coefficients

Intercept: 0
Slope: 3.057

Error Coefficients

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.133672	10.0	86705.0	3.810812	N
2	IC 200-207672/5	0.170374	0.526725	10.0	82396.0	3.091584	Y
3	IC 200-207672/7	0.425385	1.308454	10.0	69135.0	3.075932	Y
4	IC 200-207672/9	4.243678	12.255854	10.0	77638.0	2.888026	Y
5	ICIS 200-207672/10	9.99806	29.547715	10.0	79640.0	2.955345	Y
6	IC 200-207672/11	15.003557	48.635117	10.0	80234.0	3.241572	Y
7	IC 200-207672/14	19.99612	62.915313	10.0	78465.0	3.146376	Y
8	IC 200-207672/15	39.99224	119.882136	10.0	89934.0	2.997635	Y



Calibration

/ 1,1-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

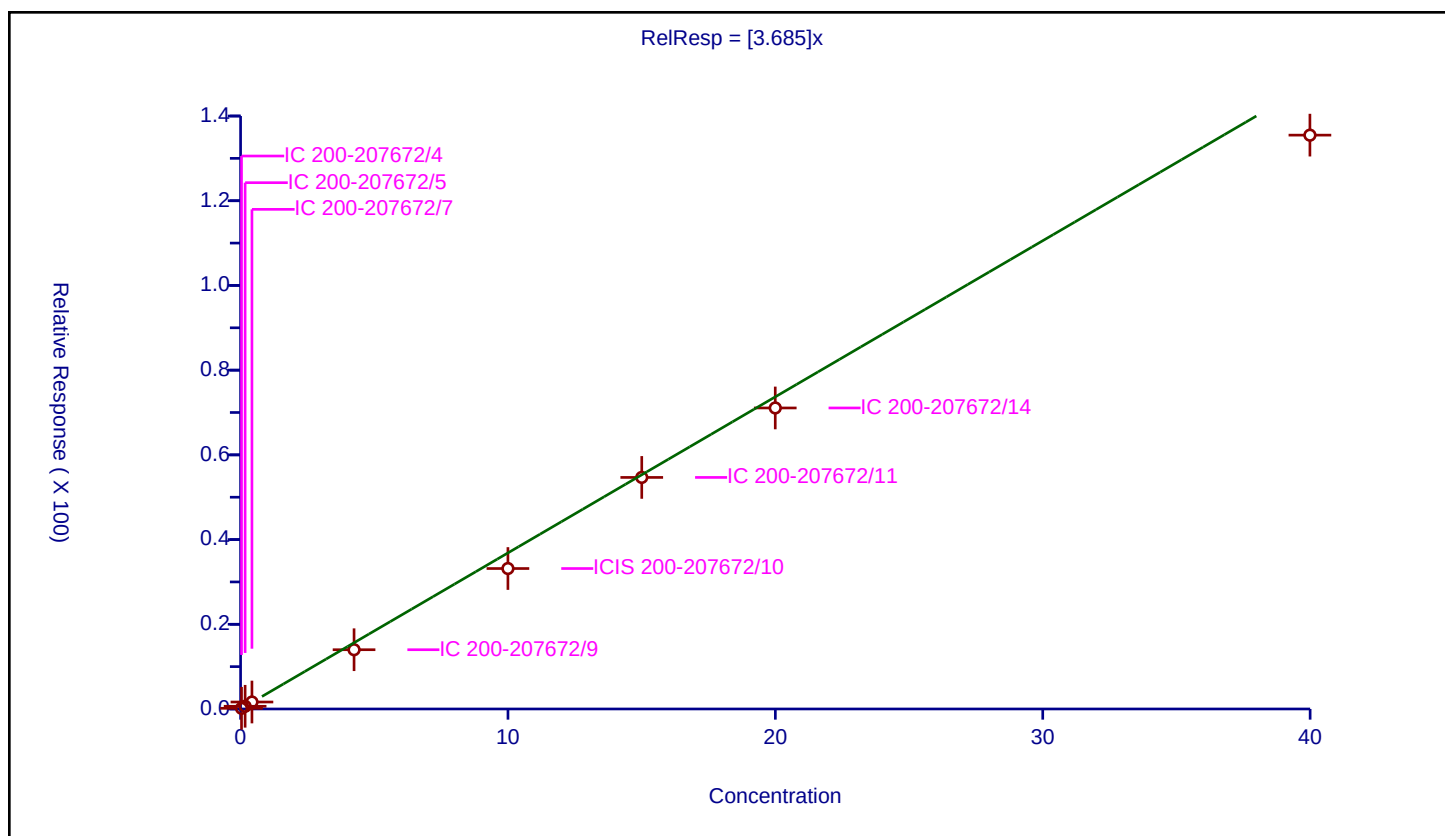
Curve Coefficients

Intercept: 0
Slope: 3.685

Error Coefficients

Relative Standard Deviation: 12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.163658	10.0	86705.0	4.665697	Y
2	IC 200-207672/5	0.170374	0.63741	10.0	82396.0	3.741244	Y
3	IC 200-207672/7	0.425385	1.648369	10.0	69135.0	3.875008	Y
4	IC 200-207672/9	4.243678	13.992761	10.0	77638.0	3.297319	Y
5	ICIS 200-207672/10	9.99806	33.163862	10.0	79640.0	3.31703	Y
6	IC 200-207672/11	15.003557	54.67009	10.0	80234.0	3.643809	Y
7	IC 200-207672/14	19.99612	71.068757	10.0	78465.0	3.554127	Y
8	IC 200-207672/15	39.99224	135.482576	10.0	89934.0	3.387722	Y



Calibration

/ Vinyl acetate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

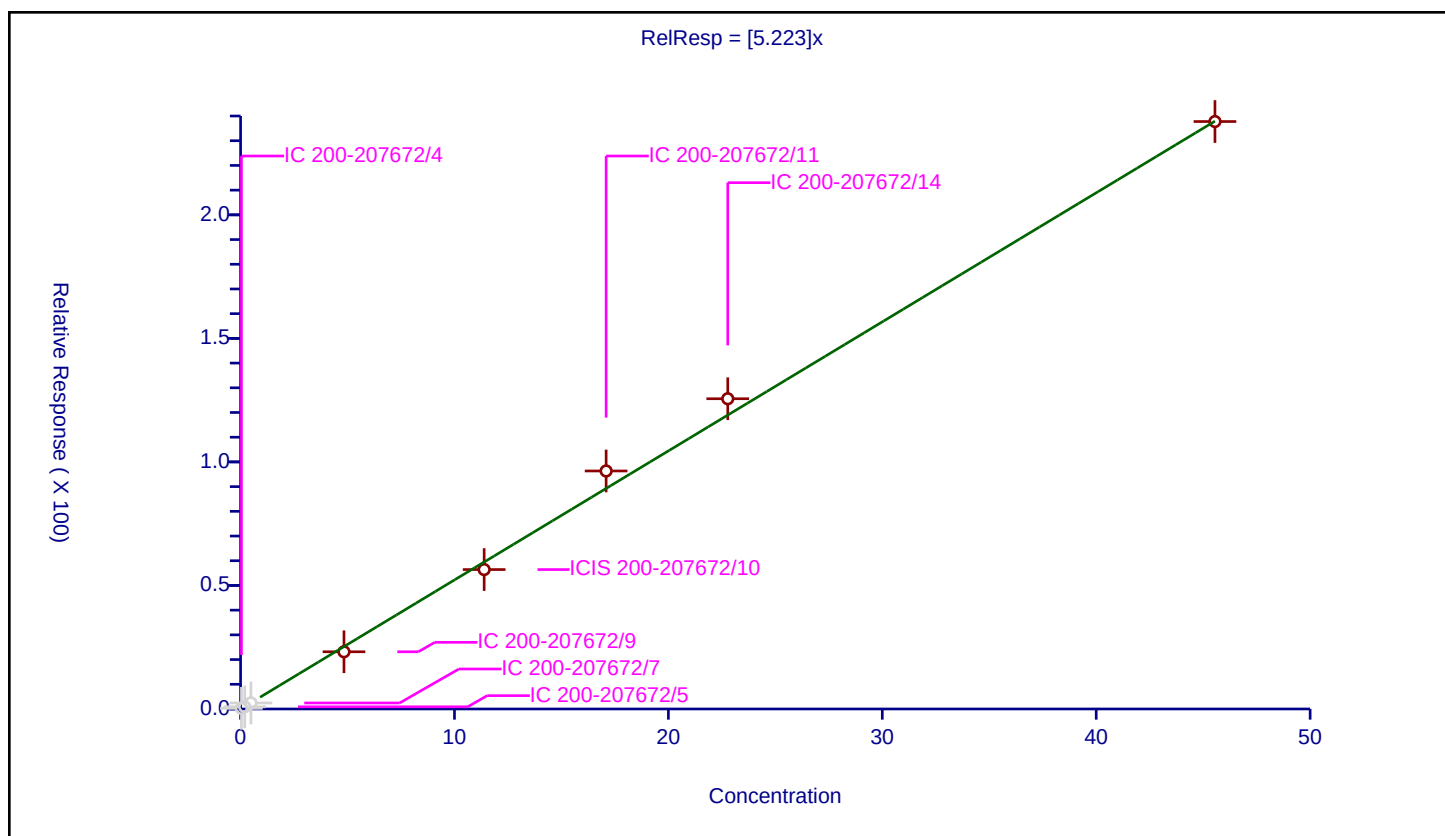
Curve Coefficients

Intercept: 0
 Slope: 5.223

Error Coefficients

Relative Standard Deviation: 6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.039953	0.250389	10.0	86705.0	6.267152	N
2	IC 200-207672/5	0.194056	0.889728	10.0	82396.0	4.58491	N
3	IC 200-207672/7	0.484513	2.432921	10.0	69135.0	5.021372	N
4	IC 200-207672/9	4.83355	23.151421	10.0	77638.0	4.789735	Y
5	ICIS 200-207672/10	11.38779	56.428051	10.0	79640.0	4.955136	Y
6	IC 200-207672/11	17.089051	96.330234	10.0	80234.0	5.636956	Y
7	IC 200-207672/14	22.77558	125.568597	10.0	78465.0	5.5133	Y
8	IC 200-207672/15	45.551161	237.767363	10.0	89934.0	5.219787	Y



Calibration

/ 2-Butanone (MEK)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

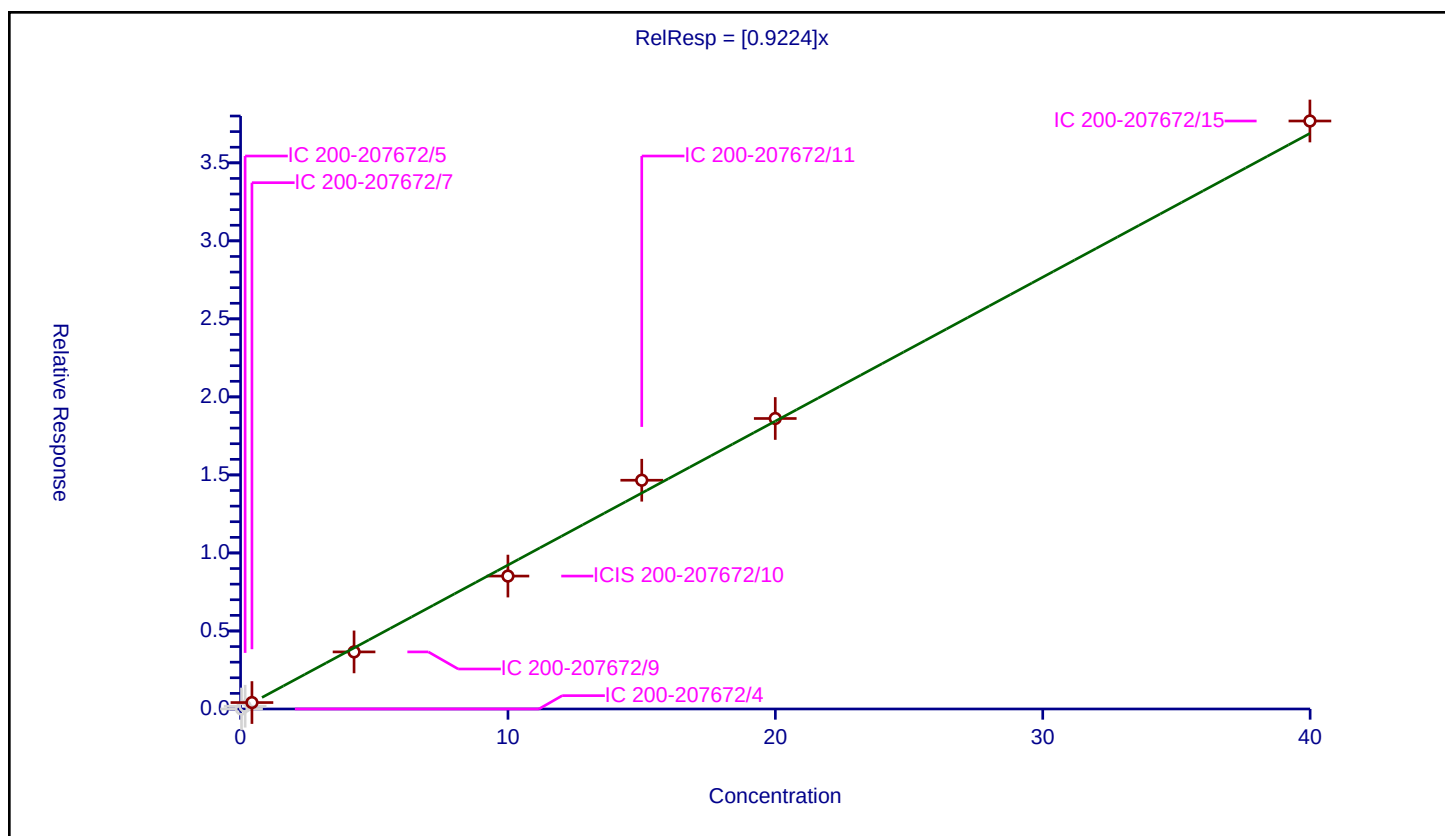
Curve Coefficients

Intercept: 0
 Slope: 0.9224

Error Coefficients

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.0	10.0	86705.0	0.0	N
2	IC 200-207672/5	0.170374	0.177072	10.0	82396.0	1.039313	N
3	IC 200-207672/7	0.425385	0.412671	10.0	69135.0	0.970112	Y
4	IC 200-207672/9	4.243678	3.658389	10.0	77638.0	0.86208	Y
5	ICIS 200-207672/10	9.99806	8.517328	10.0	79640.0	0.851898	Y
6	IC 200-207672/11	15.003557	14.659122	10.0	80234.0	0.977043	Y
7	IC 200-207672/14	19.99612	18.615689	10.0	78465.0	0.930965	Y
8	IC 200-207672/15	39.99224	37.680855	10.0	89934.0	0.942204	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

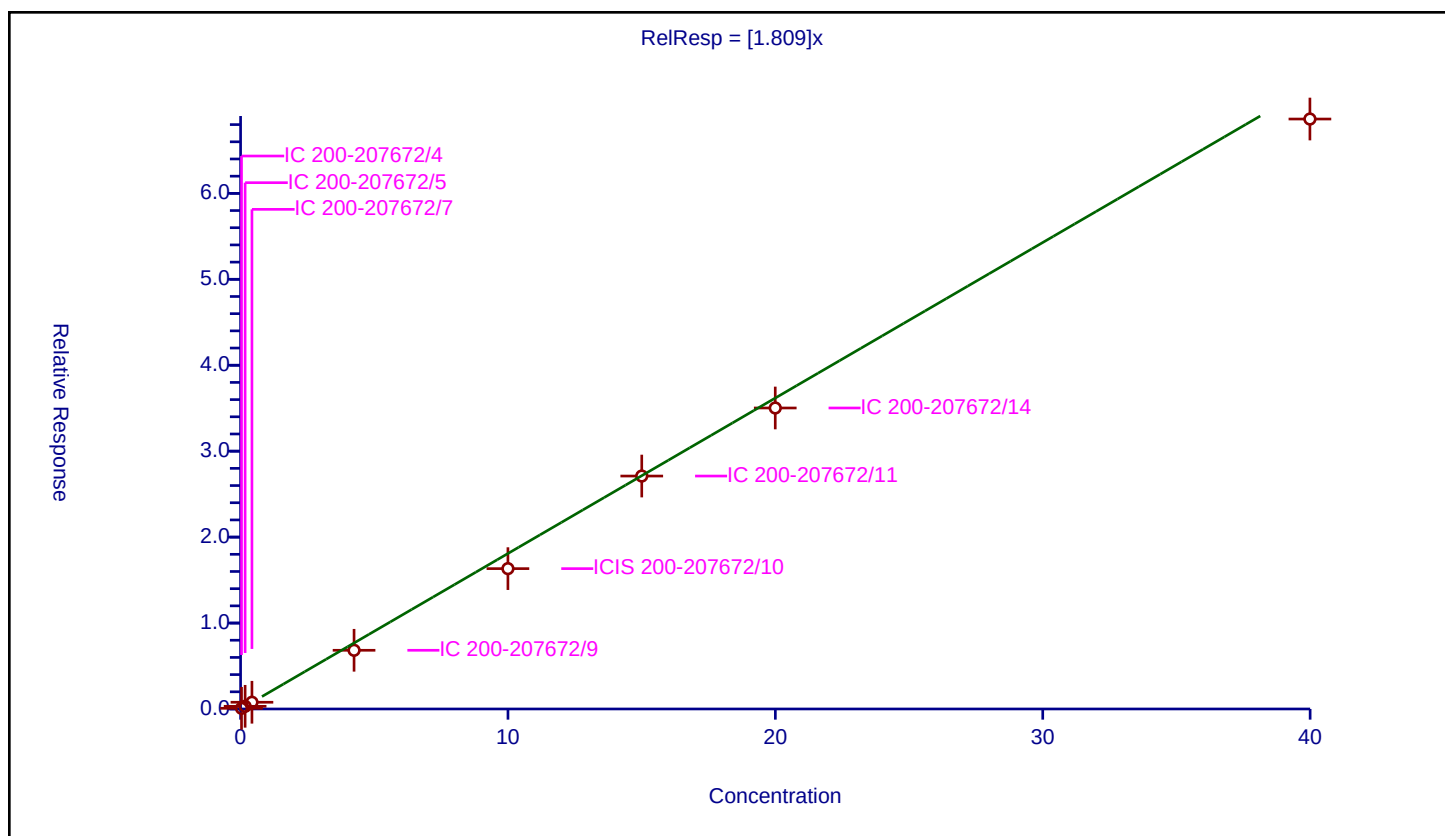
Curve Coefficients

Intercept: 0
Slope: 1.809

Error Coefficients

Relative Standard Deviation: 11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.080272	10.0	86705.0	2.28846	Y
2	IC 200-207672/5	0.170374	0.310816	10.0	82396.0	1.824319	Y
3	IC 200-207672/7	0.425385	0.784552	10.0	69135.0	1.844335	Y
4	IC 200-207672/9	4.243678	6.830032	10.0	77638.0	1.60946	Y
5	ICIS 200-207672/10	9.99806	16.332622	10.0	79640.0	1.633579	Y
6	IC 200-207672/11	15.003557	27.105217	10.0	80234.0	1.806586	Y
7	IC 200-207672/14	19.99612	35.024151	10.0	78465.0	1.751547	Y
8	IC 200-207672/15	39.99224	68.648676	10.0	89934.0	1.71655	Y



Calibration

/ Ethyl acetate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

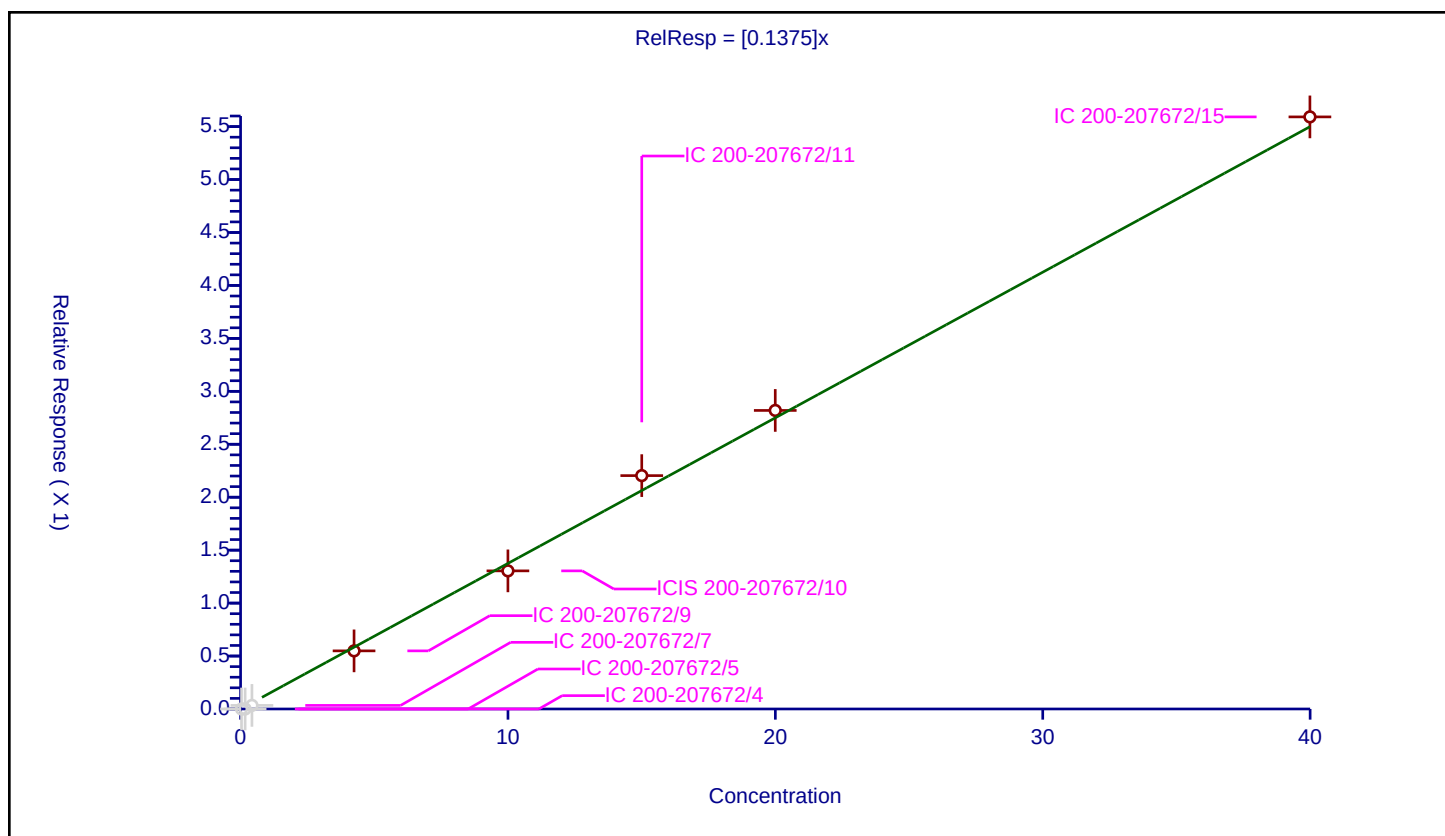
Curve Coefficients

Intercept: 0
 Slope: 0.1375

Error Coefficients

Relative Standard Deviation: 5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.0	10.0	86705.0	0.0	N
2	IC 200-207672/5	0.170374	0.0	10.0	82396.0	0.0	N
3	IC 200-207672/7	0.425385	0.033847	10.0	69135.0	0.079568	N
4	IC 200-207672/9	4.243678	0.548829	10.0	77638.0	0.129329	Y
5	ICIS 200-207672/10	9.99806	1.30437	10.0	79640.0	0.130462	Y
6	IC 200-207672/11	15.003557	2.203929	10.0	80234.0	0.146894	Y
7	IC 200-207672/14	19.99612	2.819474	10.0	78465.0	0.141001	Y
8	IC 200-207672/15	39.99224	5.591767	10.0	89934.0	0.139821	Y



Calibration

/ Tetrahydrofuran

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

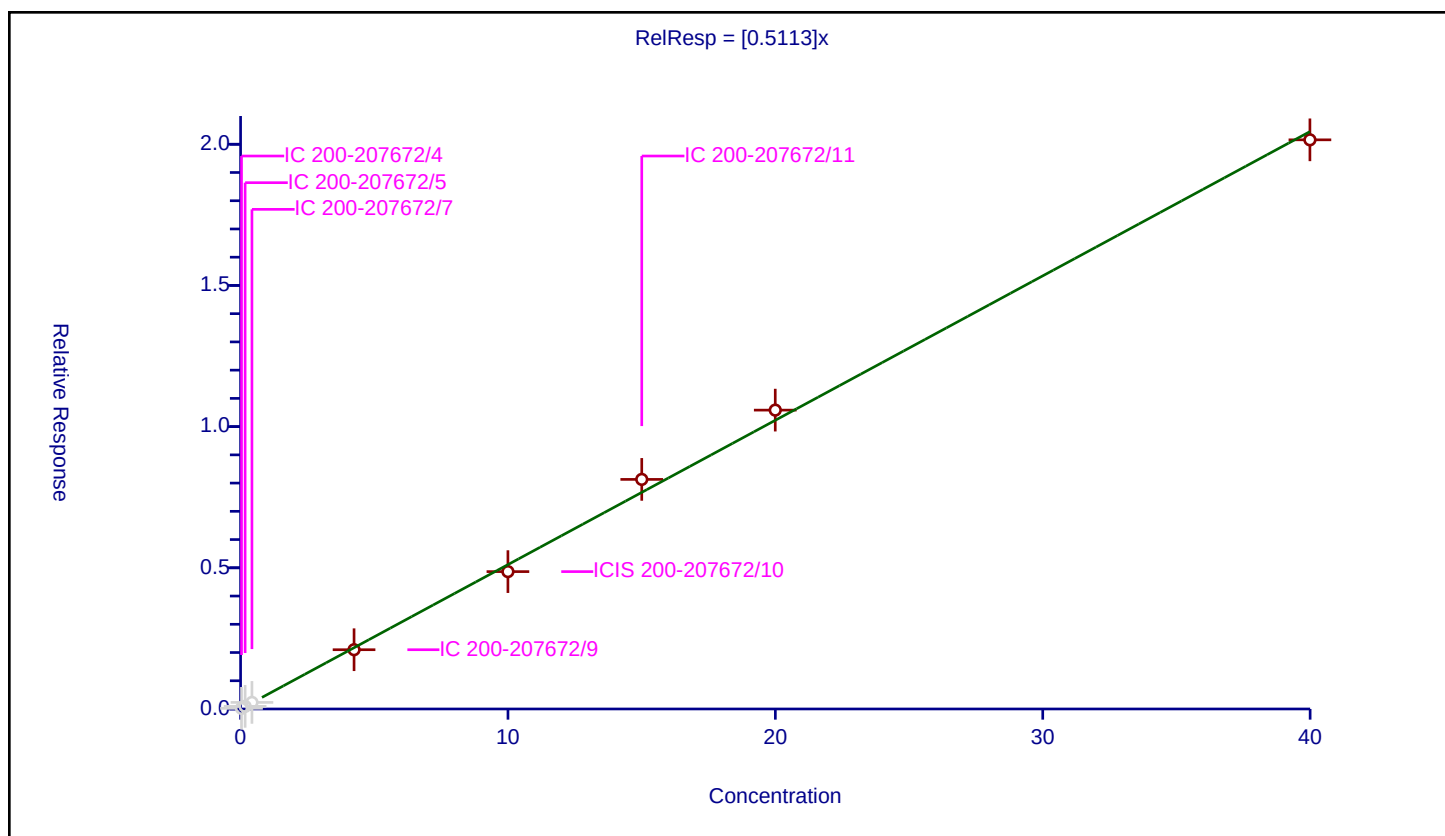
Curve Coefficients

Intercept: 0
Slope: 0.5113

Error Coefficients

Relative Standard Deviation: 4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.02336	10.0	434495.0	0.665977	N
2	IC 200-207672/5	0.170374	0.092932	10.0	417186.0	0.545461	N
3	IC 200-207672/7	0.425385	0.232732	10.0	348641.0	0.54711	N
4	IC 200-207672/9	4.243678	2.099048	10.0	392435.0	0.494629	Y
5	ICIS 200-207672/10	9.99806	4.864694	10.0	405561.0	0.486564	Y
6	IC 200-207672/11	15.003557	8.13029	10.0	410470.0	0.541891	Y
7	IC 200-207672/14	19.99612	10.584583	10.0	394144.0	0.529332	Y
8	IC 200-207672/15	39.99224	20.156534	10.0	451531.0	0.504011	Y



Calibration

/ Chloroform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

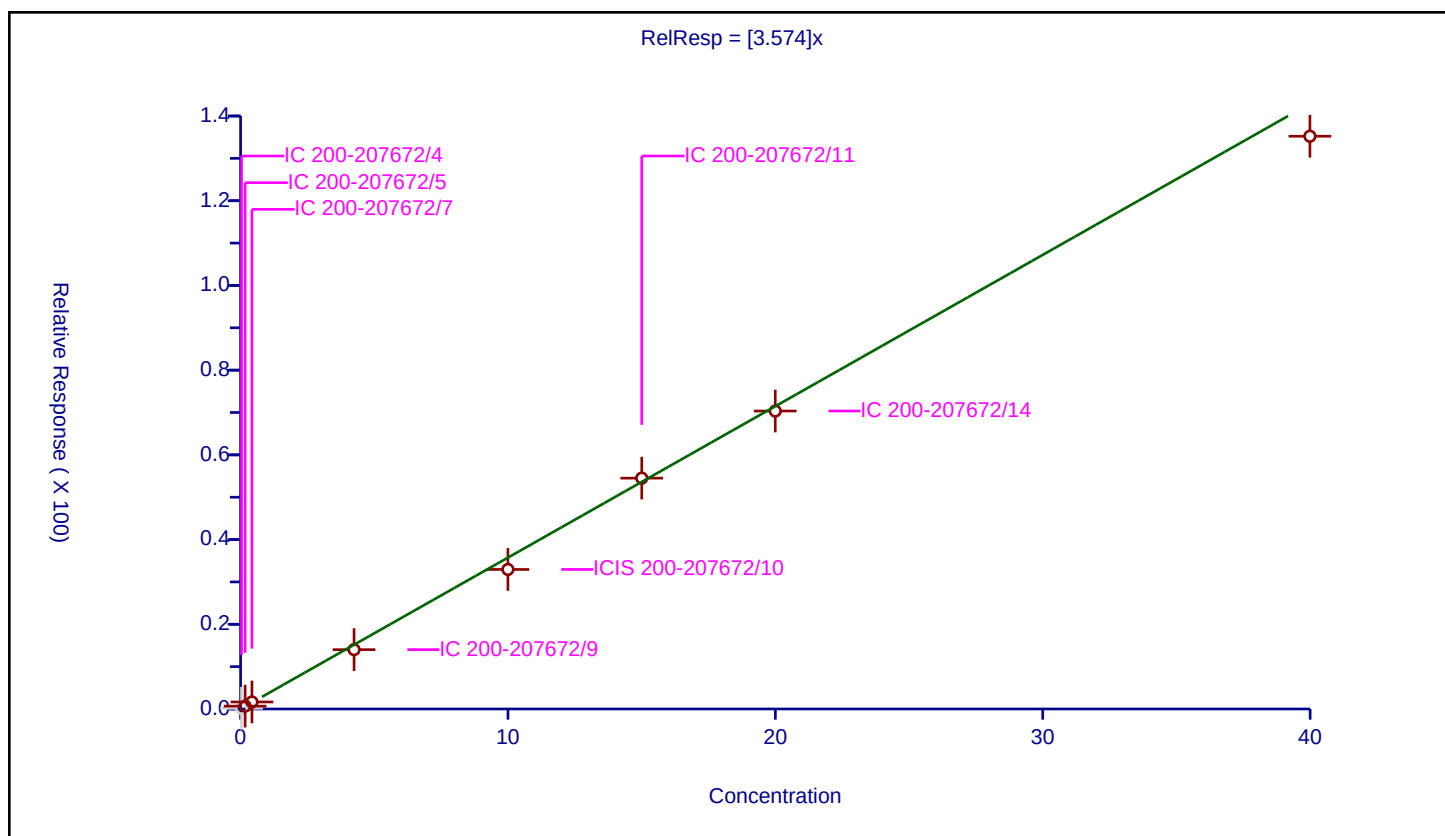
Curve Coefficients

Intercept: 0
Slope: 3.574

Error Coefficients

Relative Standard Deviation: 7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.164004	10.0	86705.0	4.675561	N
2	IC 200-207672/5	0.170374	0.679645	10.0	82396.0	3.98914	Y
3	IC 200-207672/7	0.425385	1.658494	10.0	69135.0	3.89881	Y
4	IC 200-207672/9	4.243678	14.009506	10.0	77638.0	3.301265	Y
5	ICIS 200-207672/10	9.99806	32.945254	10.0	79640.0	3.295165	Y
6	IC 200-207672/11	15.003557	54.500212	10.0	80234.0	3.632486	Y
7	IC 200-207672/14	19.99612	70.348308	10.0	78465.0	3.518098	Y
8	IC 200-207672/15	39.99224	135.226388	10.0	89934.0	3.381316	Y



Calibration

/ 1,1,1-Trichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

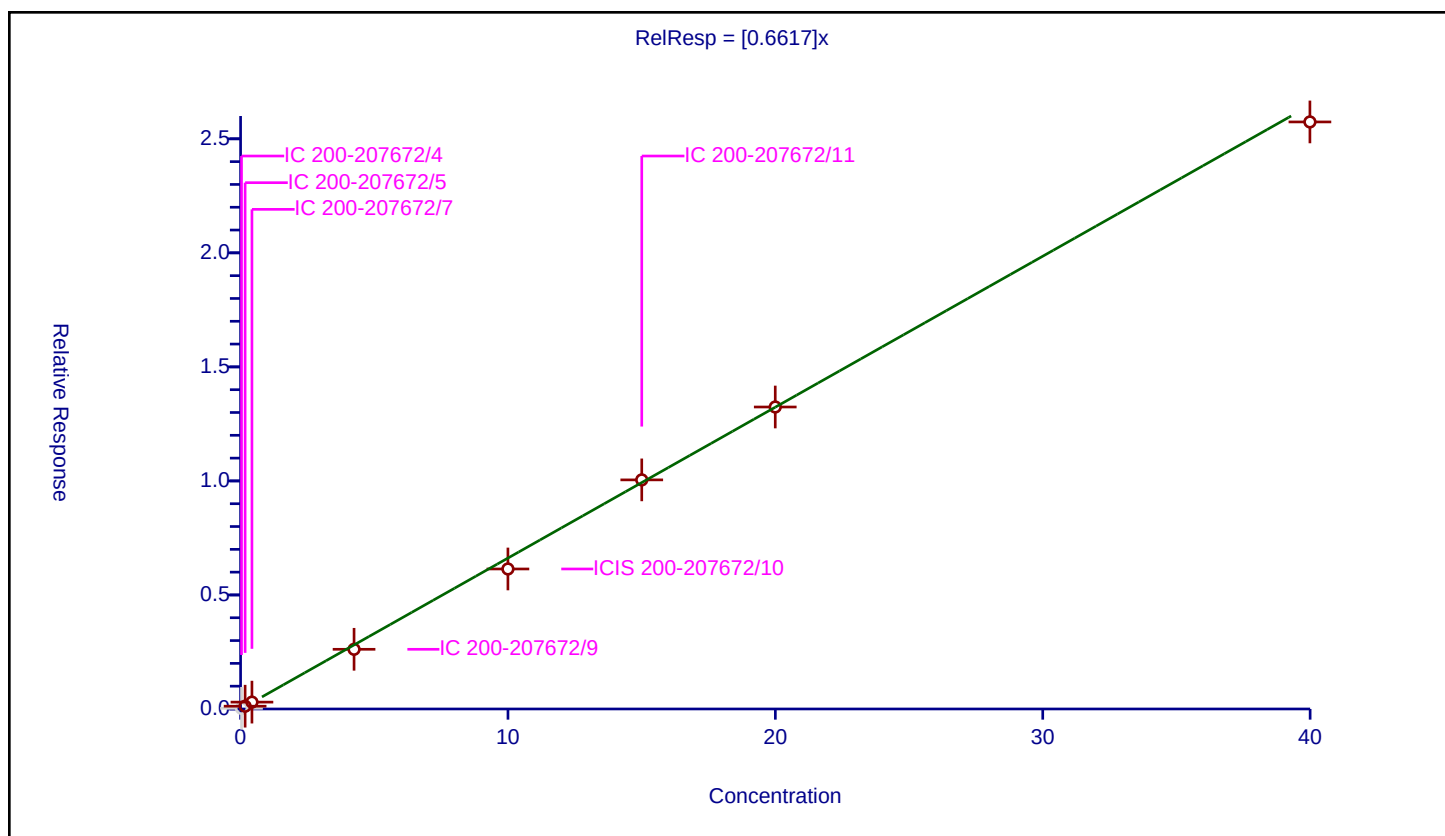
Curve Coefficients

Intercept: 0
 Slope: 0.6617

Error Coefficients

Relative Standard Deviation: 6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.030196	10.0	434495.0	0.86085	N
2	IC 200-207672/5	0.170374	0.122439	10.0	417186.0	0.718652	Y
3	IC 200-207672/7	0.425385	0.30094	10.0	348641.0	0.707454	Y
4	IC 200-207672/9	4.243678	2.616816	10.0	392435.0	0.616639	Y
5	ICIS 200-207672/10	9.99806	6.139298	10.0	405561.0	0.614049	Y
6	IC 200-207672/11	15.003557	10.045606	10.0	410470.0	0.669548	Y
7	IC 200-207672/14	19.99612	13.241556	10.0	394144.0	0.662206	Y
8	IC 200-207672/15	39.99224	25.740625	10.0	451531.0	0.64364	Y



Calibration

/ Cyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

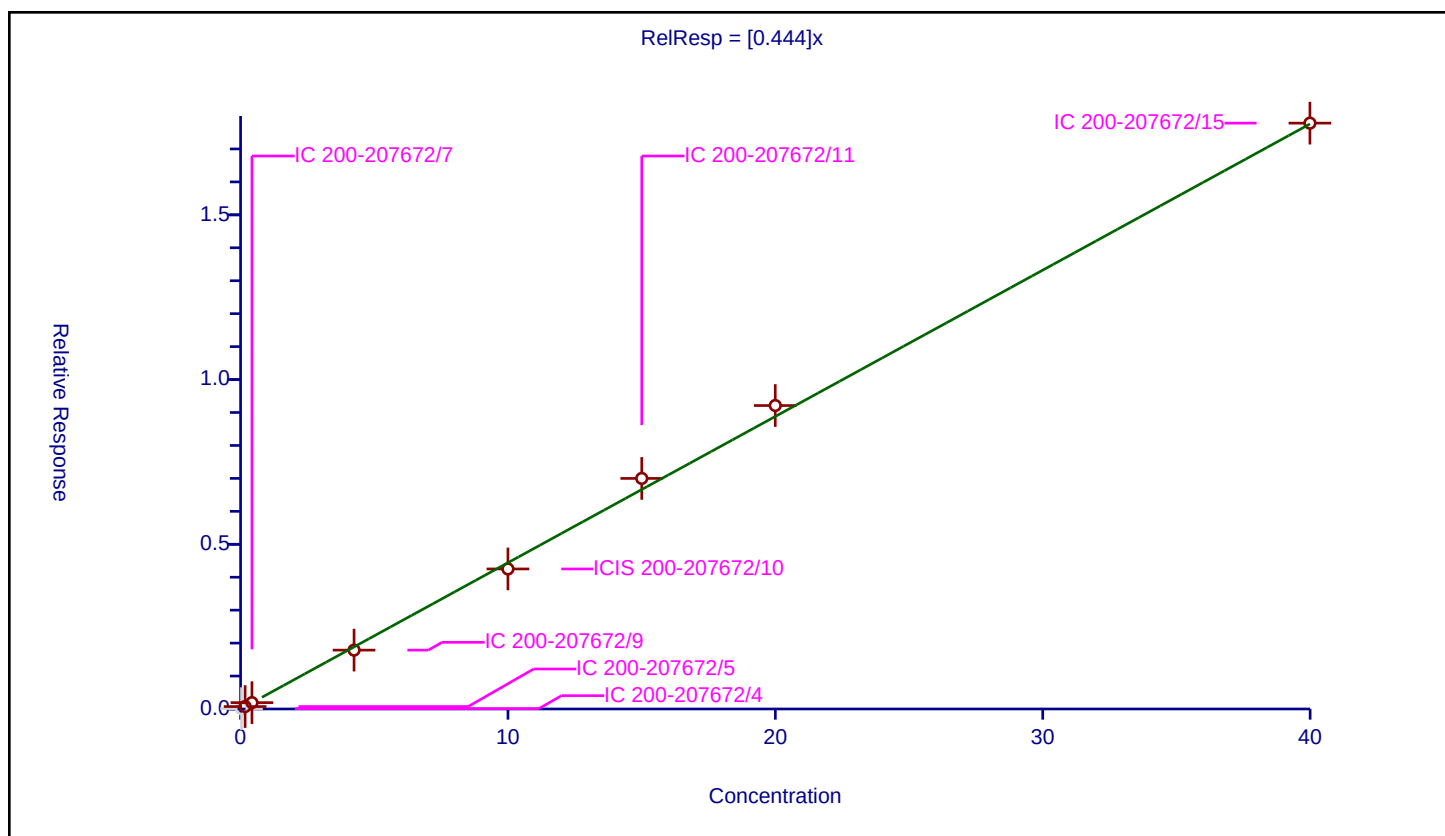
Curve Coefficients

Intercept: 0
Slope: 0.444

Error Coefficients

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.011277	10.0	434495.0	0.321506	N
2	IC 200-207672/5	0.170374	0.074427	10.0	417186.0	0.436847	Y
3	IC 200-207672/7	0.425385	0.192892	10.0	348641.0	0.453453	Y
4	IC 200-207672/9	4.243678	1.786665	10.0	392435.0	0.421018	Y
5	ICIS 200-207672/10	9.99806	4.250631	10.0	405561.0	0.425146	Y
6	IC 200-207672/11	15.003557	6.999001	10.0	410470.0	0.466489	Y
7	IC 200-207672/14	19.99612	9.211456	10.0	394144.0	0.460662	Y
8	IC 200-207672/15	39.99224	17.78374	10.0	451531.0	0.44468	Y



Calibration

/ Carbon tetrachloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

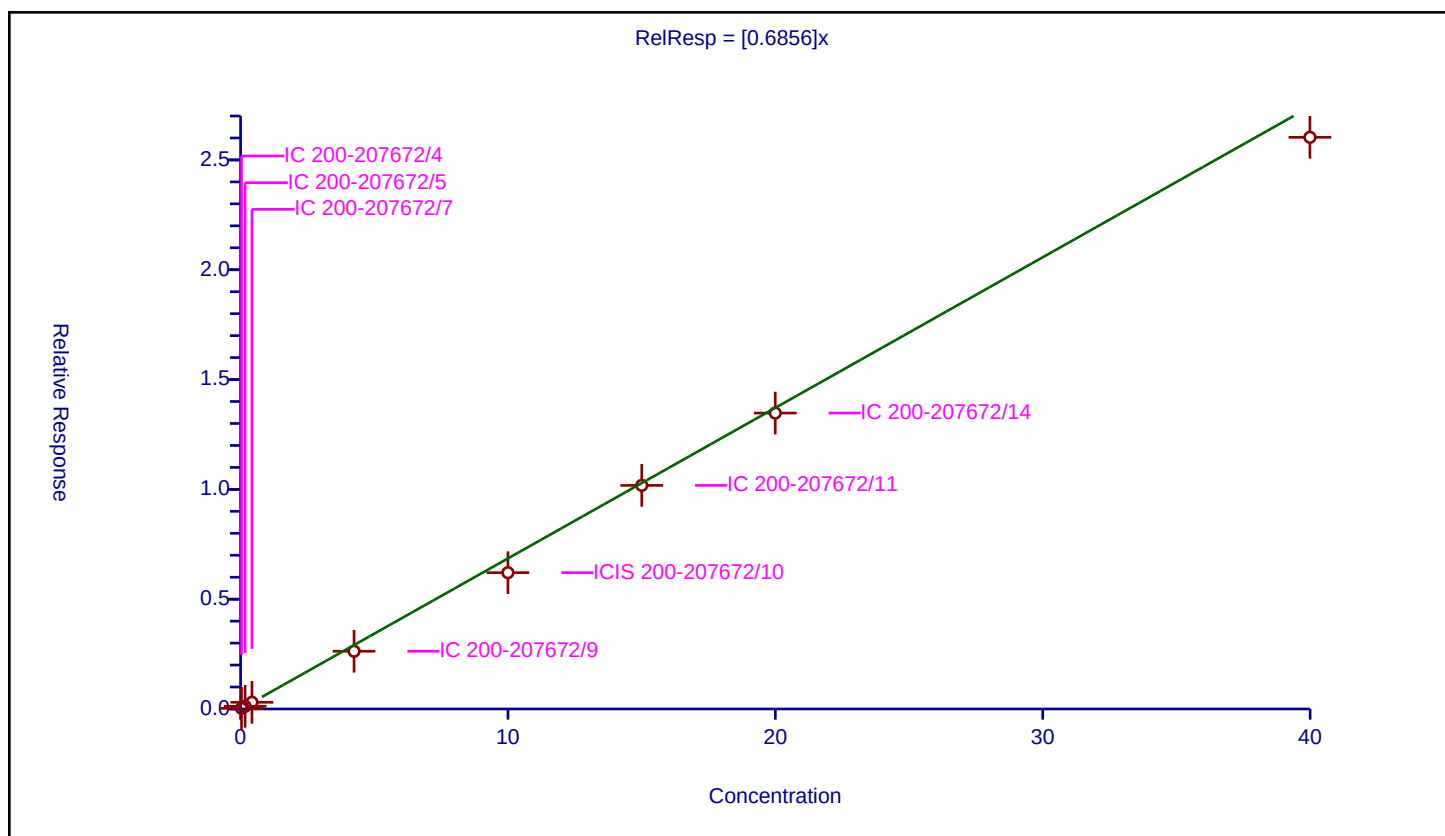
Curve Coefficients

Intercept: 0
Slope: 0.6856

Error Coefficients

Relative Standard Deviation: 9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.028263	10.0	434495.0	0.805734	Y
2	IC 200-207672/5	0.170374	0.122224	10.0	417186.0	0.717386	Y
3	IC 200-207672/7	0.425385	0.305472	10.0	348641.0	0.718107	Y
4	IC 200-207672/9	4.243678	2.629582	10.0	392435.0	0.619647	Y
5	ICIS 200-207672/10	9.99806	6.206859	10.0	405561.0	0.620806	Y
6	IC 200-207672/11	15.003557	10.181085	10.0	410470.0	0.678578	Y
7	IC 200-207672/14	19.99612	13.474289	10.0	394144.0	0.673845	Y
8	IC 200-207672/15	39.99224	26.02942	10.0	451531.0	0.650862	Y



Calibration

/ Benzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

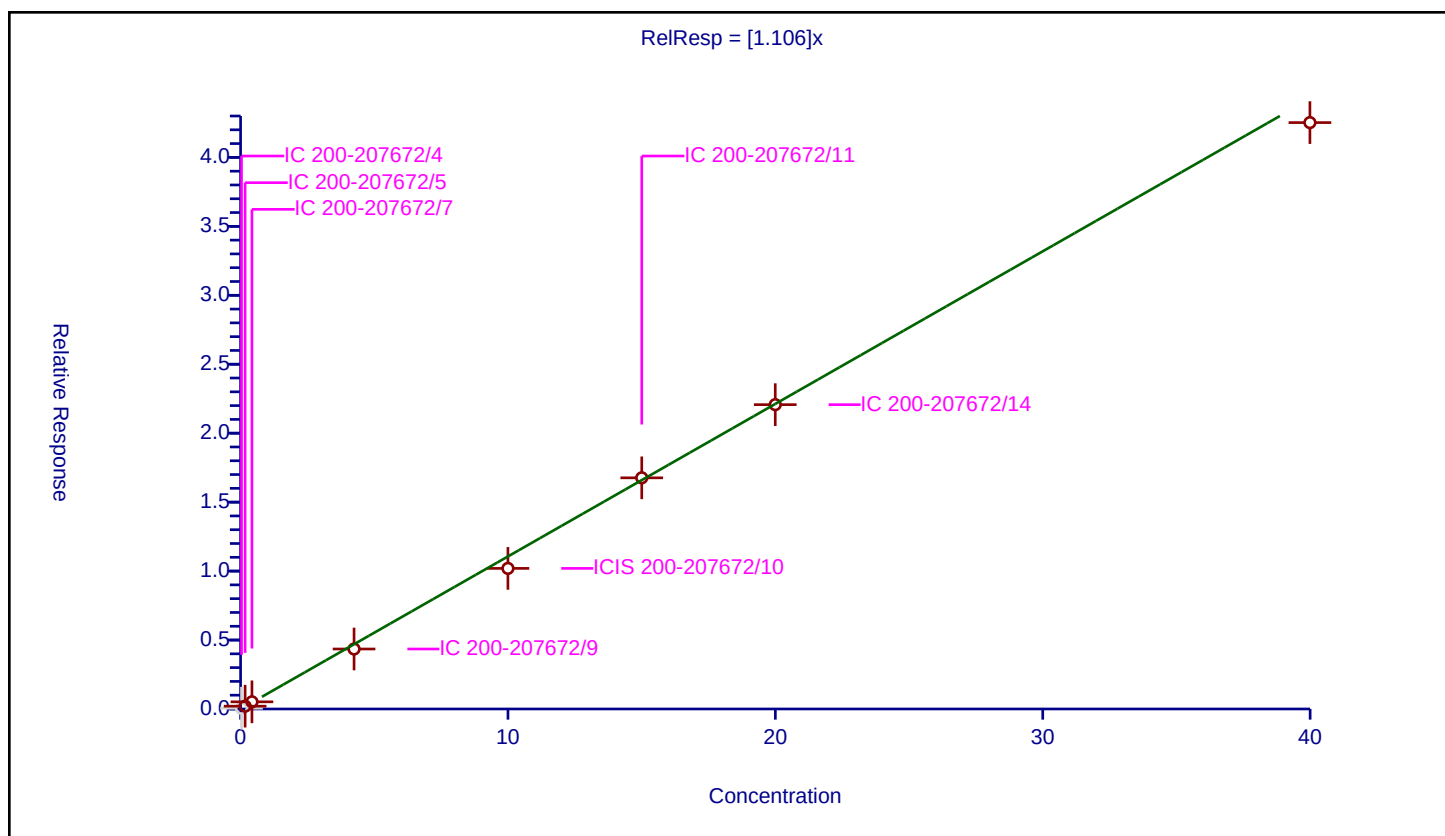
Curve Coefficients

Intercept: 0
Slope: 1.106

Error Coefficients

Relative Standard Deviation: 7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.056065	10.0	434495.0	1.598346	N
2	IC 200-207672/5	0.170374	0.203363	10.0	417186.0	1.193626	Y
3	IC 200-207672/7	0.425385	0.519503	10.0	348641.0	1.221254	Y
4	IC 200-207672/9	4.243678	4.349739	10.0	392435.0	1.024993	Y
5	ICIS 200-207672/10	9.99806	10.195581	10.0	405561.0	1.019756	Y
6	IC 200-207672/11	15.003557	16.763101	10.0	410470.0	1.117275	Y
7	IC 200-207672/14	19.99612	22.069371	10.0	394144.0	1.103683	Y
8	IC 200-207672/15	39.99224	42.523304	10.0	451531.0	1.063289	Y



Calibration

/ 1,2-Dichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

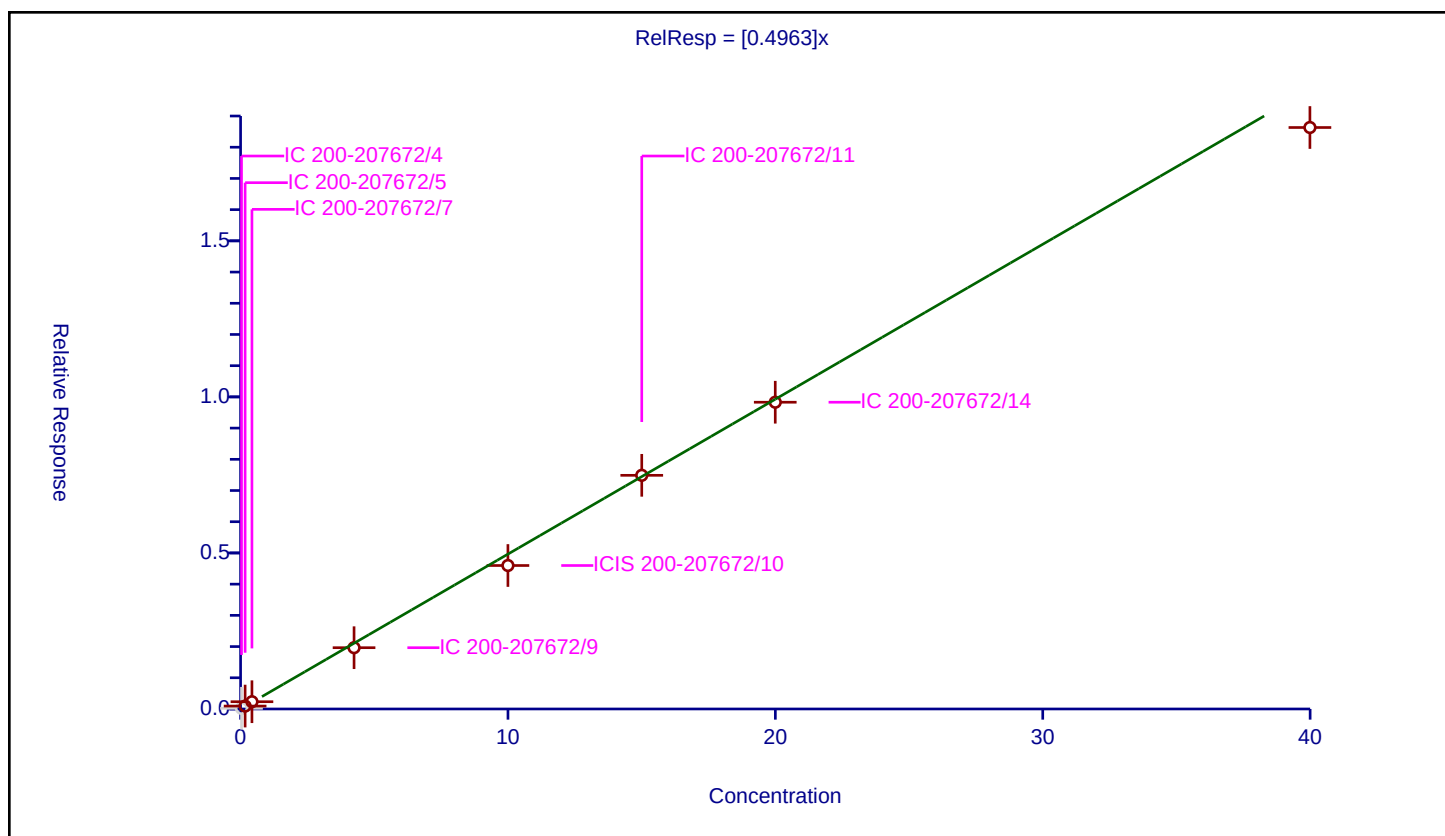
Curve Coefficients

Intercept: 0
 Slope: 0.4963

Error Coefficients

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.02221	10.0	434495.0	0.633171	N
2	IC 200-207672/5	0.170374	0.093172	10.0	417186.0	0.546868	Y
3	IC 200-207672/7	0.425385	0.233249	10.0	348641.0	0.548324	Y
4	IC 200-207672/9	4.243678	1.964121	10.0	392435.0	0.462835	Y
5	ICIS 200-207672/10	9.99806	4.597508	10.0	405561.0	0.45984	Y
6	IC 200-207672/11	15.003557	7.487417	10.0	410470.0	0.499043	Y
7	IC 200-207672/14	19.99612	9.828768	10.0	394144.0	0.491534	Y
8	IC 200-207672/15	39.99224	18.631877	10.0	451531.0	0.465887	Y



Calibration

/ Isooctane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

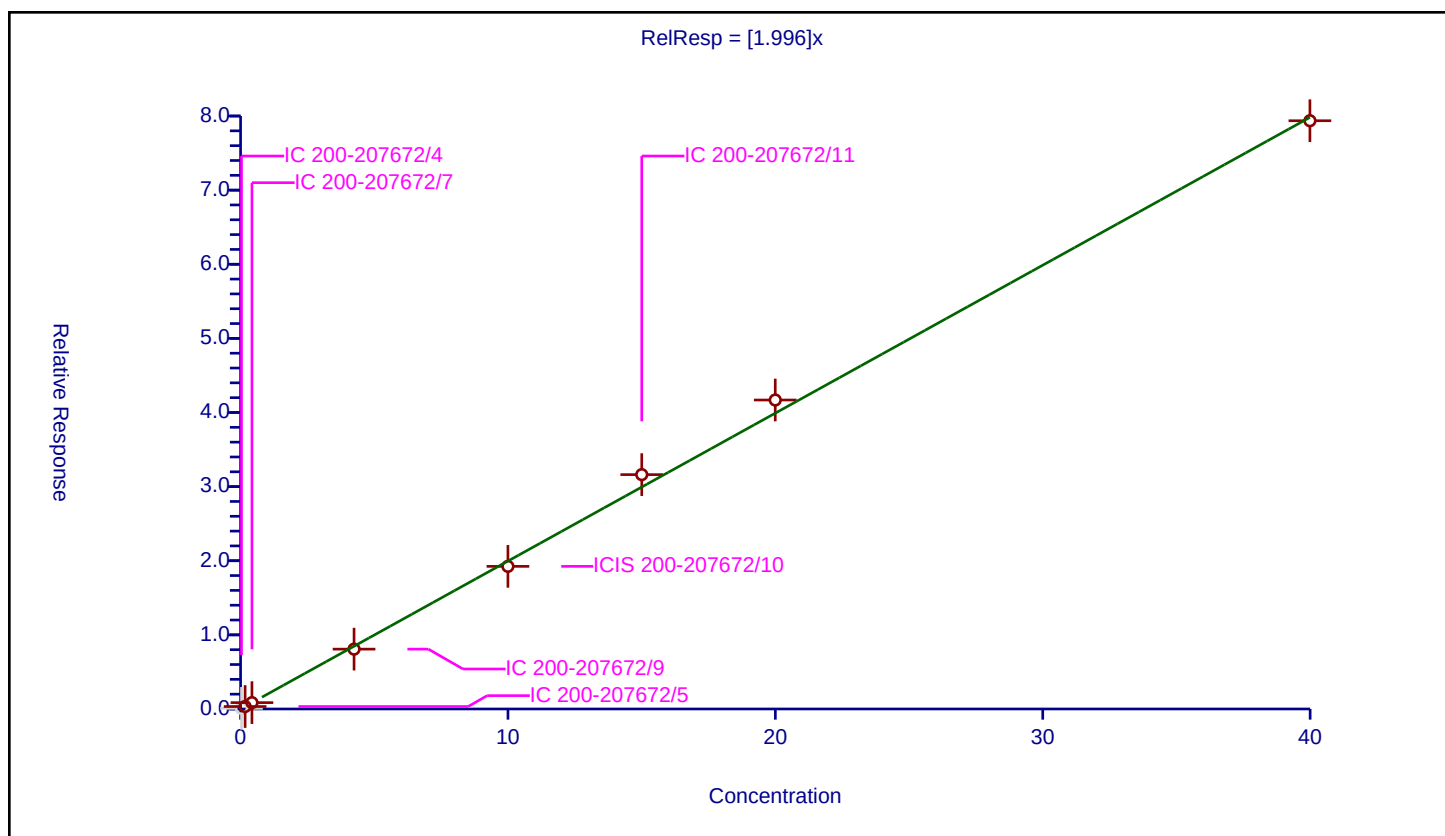
Curve Coefficients

Intercept: 0
Slope: 1.996

Error Coefficients

Relative Standard Deviation: 3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.084949	10.0	434495.0	2.421796	N
2	IC 200-207672/5	0.170374	0.33213	10.0	417186.0	1.949421	Y
3	IC 200-207672/7	0.425385	0.858161	10.0	348641.0	2.017376	Y
4	IC 200-207672/9	4.243678	8.074789	10.0	392435.0	1.902781	Y
5	ICIS 200-207672/10	9.99806	19.24152	10.0	405561.0	1.924525	Y
6	IC 200-207672/11	15.003557	31.618462	10.0	410470.0	2.107398	Y
7	IC 200-207672/14	19.99612	41.684308	10.0	394144.0	2.08462	Y
8	IC 200-207672/15	39.99224	79.362392	10.0	451531.0	1.984445	Y



Calibration

/ n-Heptane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

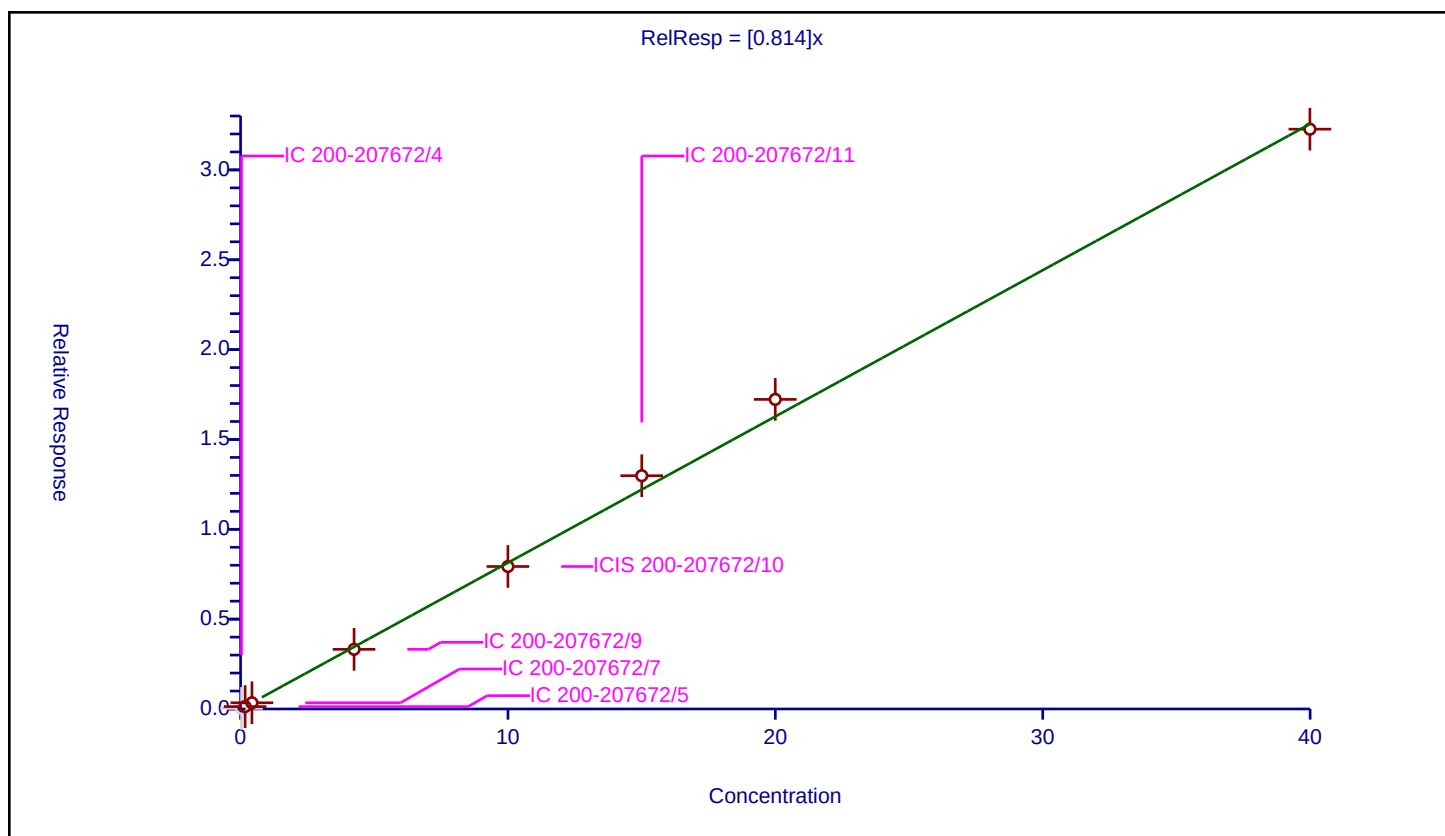
Curve Coefficients

Intercept: 0
Slope: 0.814

Error Coefficients

Relative Standard Deviation: 4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.034017	10.0	434495.0	0.969768	N
2	IC 200-207672/5	0.170374	0.132219	10.0	417186.0	0.776054	Y
3	IC 200-207672/7	0.425385	0.345771	10.0	348641.0	0.812843	Y
4	IC 200-207672/9	4.243678	3.318511	10.0	392435.0	0.781989	Y
5	ICIS 200-207672/10	9.99806	7.930028	10.0	405561.0	0.793157	Y
6	IC 200-207672/11	15.003557	12.981801	10.0	410470.0	0.865248	Y
7	IC 200-207672/14	19.99612	17.229211	10.0	394144.0	0.861628	Y
8	IC 200-207672/15	39.99224	32.268615	10.0	451531.0	0.806872	Y



Calibration

/ n-Butanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

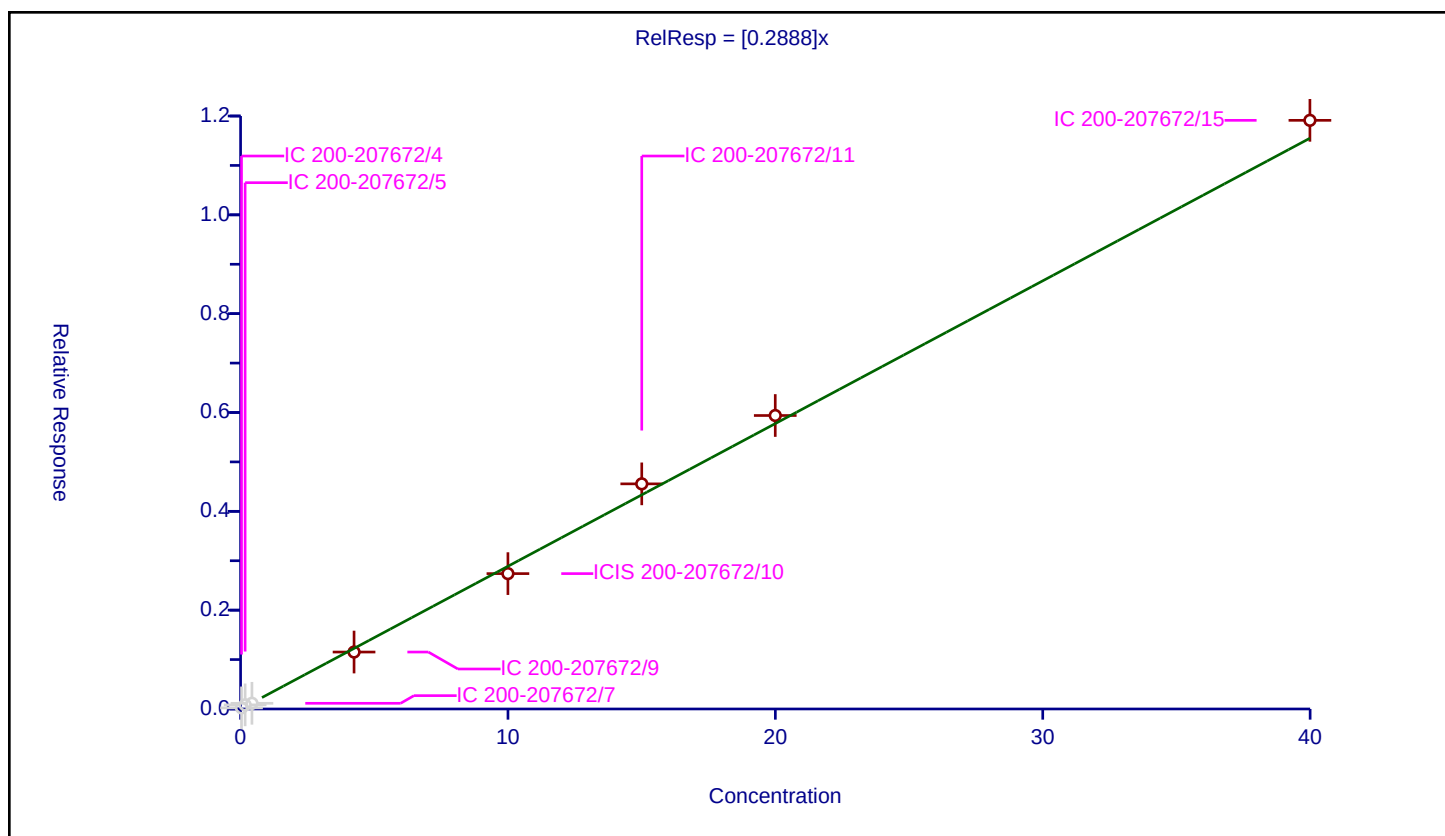
Curve Coefficients

Intercept: 0
 Slope: 0.2888

Error Coefficients

Relative Standard Deviation: 5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.022555	10.0	434495.0	0.643013	N
2	IC 200-207672/5	0.170374	0.083176	10.0	417186.0	0.488199	N
3	IC 200-207672/7	0.425385	0.11519	10.0	348641.0	0.27079	N
4	IC 200-207672/9	4.243678	1.152395	10.0	392435.0	0.271556	Y
5	ICIS 200-207672/10	9.99806	2.739588	10.0	405561.0	0.274012	Y
6	IC 200-207672/11	15.003557	4.555997	10.0	410470.0	0.303661	Y
7	IC 200-207672/14	19.99612	5.938972	10.0	394144.0	0.297006	Y
8	IC 200-207672/15	39.99224	11.912715	10.0	451531.0	0.297876	Y



Calibration

/ Trichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

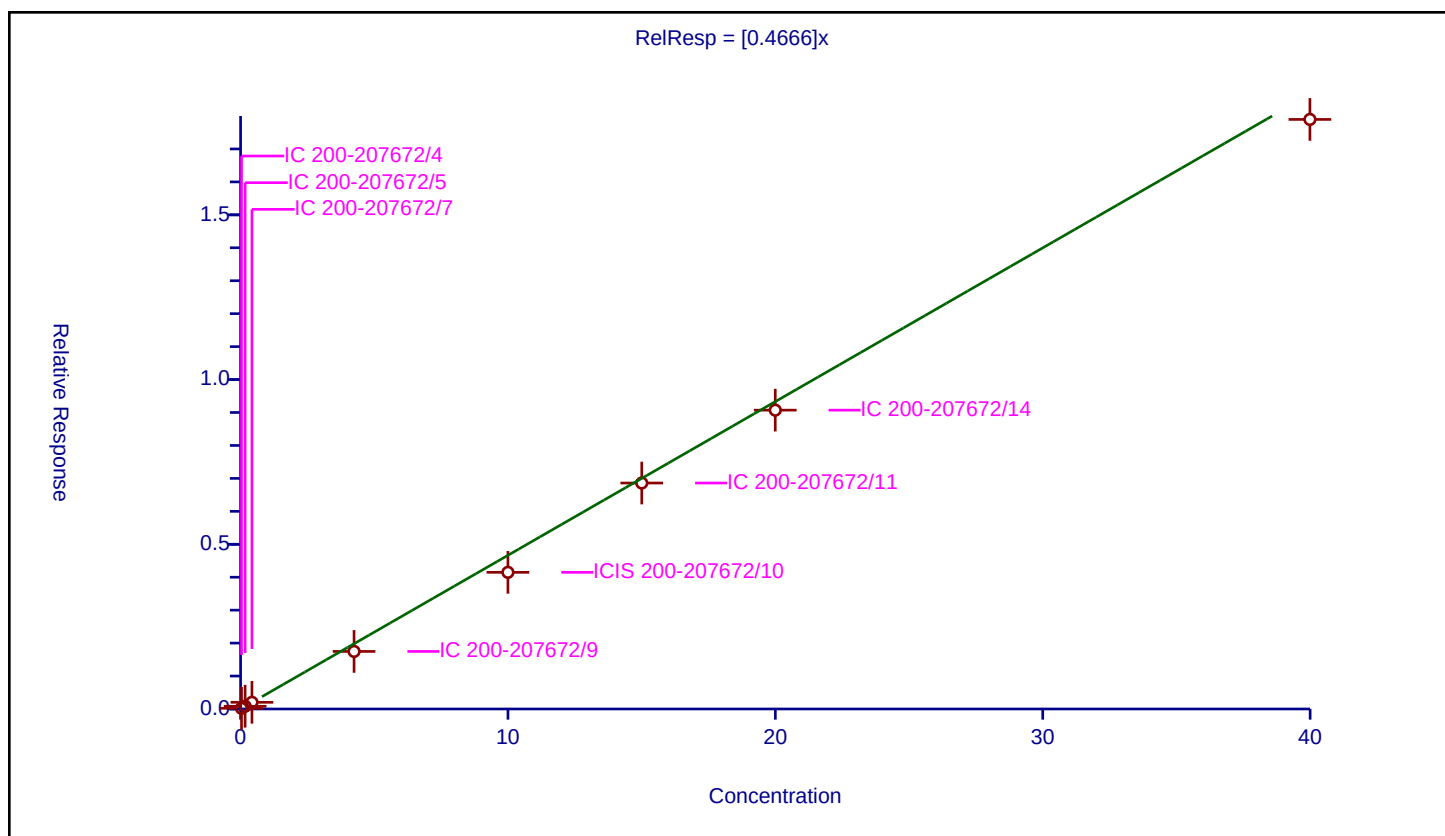
Curve Coefficients

Intercept: 0
Slope: 0.4666

Error Coefficients

Relative Standard Deviation: 11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.020553	10.0	434495.0	0.585929	Y
2	IC 200-207672/5	0.170374	0.082625	10.0	417186.0	0.484963	Y
3	IC 200-207672/7	0.425385	0.202759	10.0	348641.0	0.476648	Y
4	IC 200-207672/9	4.243678	1.747372	10.0	392435.0	0.411759	Y
5	ICIS 200-207672/10	9.99806	4.147933	10.0	405561.0	0.414874	Y
6	IC 200-207672/11	15.003557	6.859381	10.0	410470.0	0.457184	Y
7	IC 200-207672/14	19.99612	9.071532	10.0	394144.0	0.453665	Y
8	IC 200-207672/15	39.99224	17.896379	10.0	451531.0	0.447496	Y



Calibration

/ 1,2-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

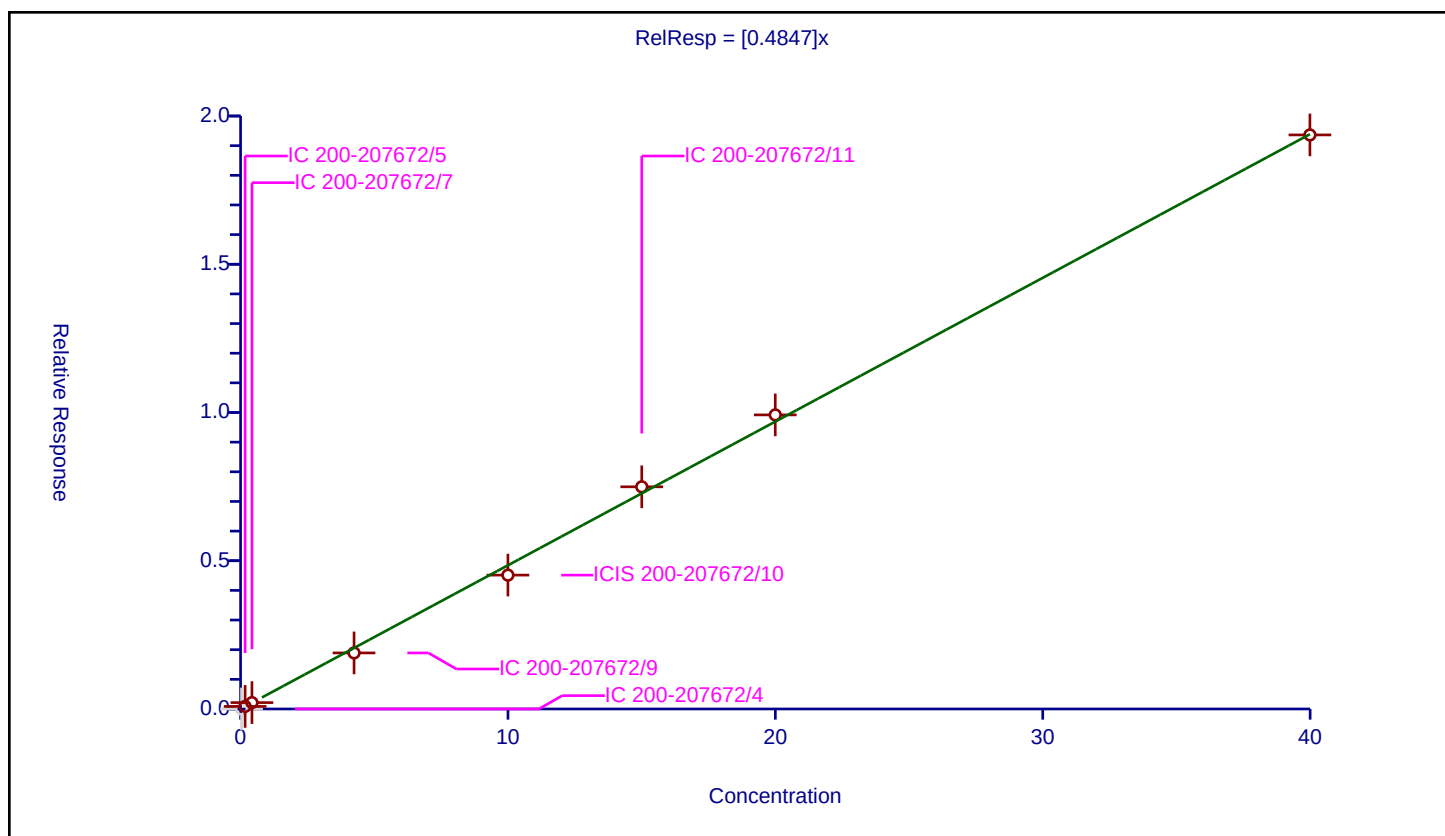
Curve Coefficients

Intercept: 0
Slope: 0.4847

Error Coefficients

Relative Standard Deviation: 5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.0	10.0	434495.0	0.0	N
2	IC 200-207672/5	0.170374	0.0867	10.0	417186.0	0.508881	Y
3	IC 200-207672/7	0.425385	0.215781	10.0	348641.0	0.50726	Y
4	IC 200-207672/9	4.243678	1.891116	10.0	392435.0	0.445631	Y
5	ICIS 200-207672/10	9.99806	4.515474	10.0	405561.0	0.451635	Y
6	IC 200-207672/11	15.003557	7.493922	10.0	410470.0	0.499476	Y
7	IC 200-207672/14	19.99612	9.919167	10.0	394144.0	0.496055	Y
8	IC 200-207672/15	39.99224	19.362436	10.0	451531.0	0.484155	Y



Calibration

/ Methyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

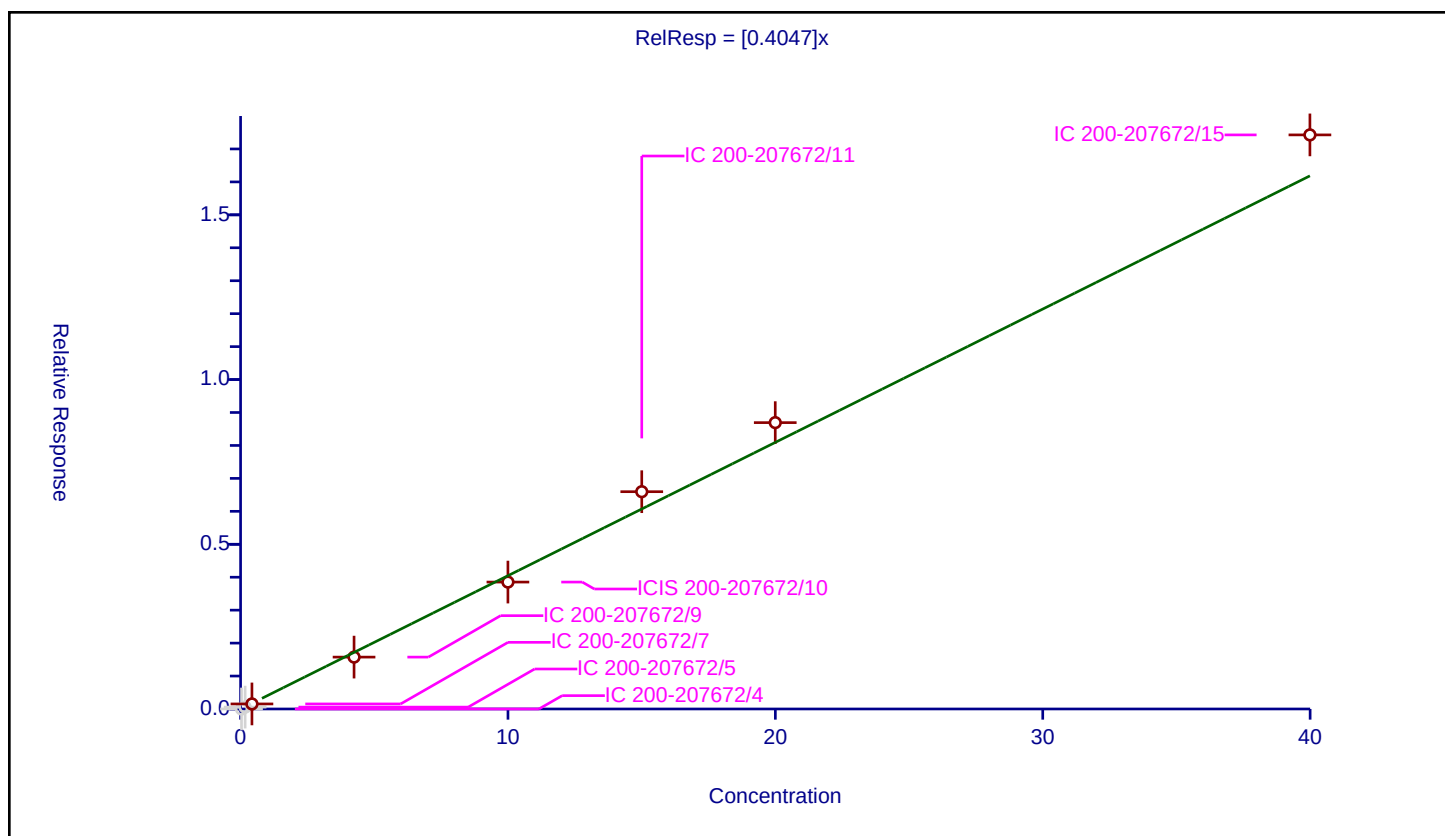
Curve Coefficients

Intercept: 0
Slope: 0.4047

Error Coefficients

Relative Standard Deviation: 8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.0	10.0	434495.0	0.0	N
2	IC 200-207672/5	0.170374	0.057408	10.0	417186.0	0.336956	N
3	IC 200-207672/7	0.425385	0.153682	10.0	348641.0	0.361279	Y
4	IC 200-207672/9	4.243678	1.575216	10.0	392435.0	0.371191	Y
5	ICIS 200-207672/10	9.99806	3.852885	10.0	405561.0	0.385363	Y
6	IC 200-207672/11	15.003557	6.596219	10.0	410470.0	0.439644	Y
7	IC 200-207672/14	19.99612	8.692661	10.0	394144.0	0.434717	Y
8	IC 200-207672/15	39.99224	17.426733	10.0	451531.0	0.435753	Y



Calibration

/ 1,4-Dioxane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

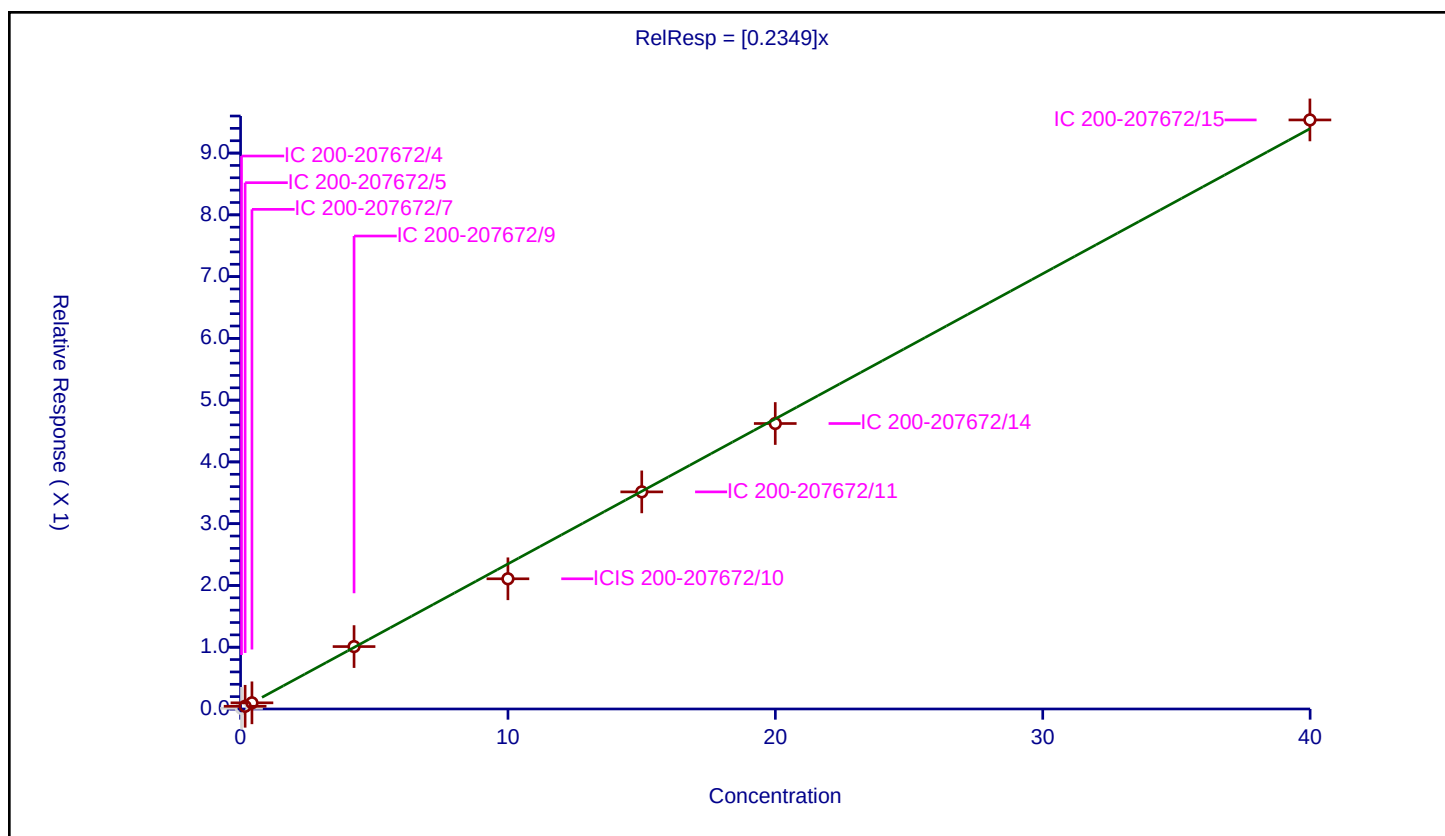
Curve Coefficients

Intercept: 0
Slope: 0.2349

Error Coefficients

Relative Standard Deviation: 5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.011185	10.0	434495.0	0.318882	N
2	IC 200-207672/5	0.170374	0.043674	10.0	417186.0	0.25634	Y
3	IC 200-207672/7	0.425385	0.099988	10.0	348641.0	0.235054	Y
4	IC 200-207672/9	4.243678	1.010639	10.0	392435.0	0.238152	Y
5	ICIS 200-207672/10	9.99806	2.108068	10.0	405561.0	0.210848	Y
6	IC 200-207672/11	15.003557	3.515019	10.0	410470.0	0.234279	Y
7	IC 200-207672/14	19.99612	4.621737	10.0	394144.0	0.231132	Y
8	IC 200-207672/15	39.99224	9.536399	10.0	451531.0	0.238456	Y



Calibration

/ Dibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

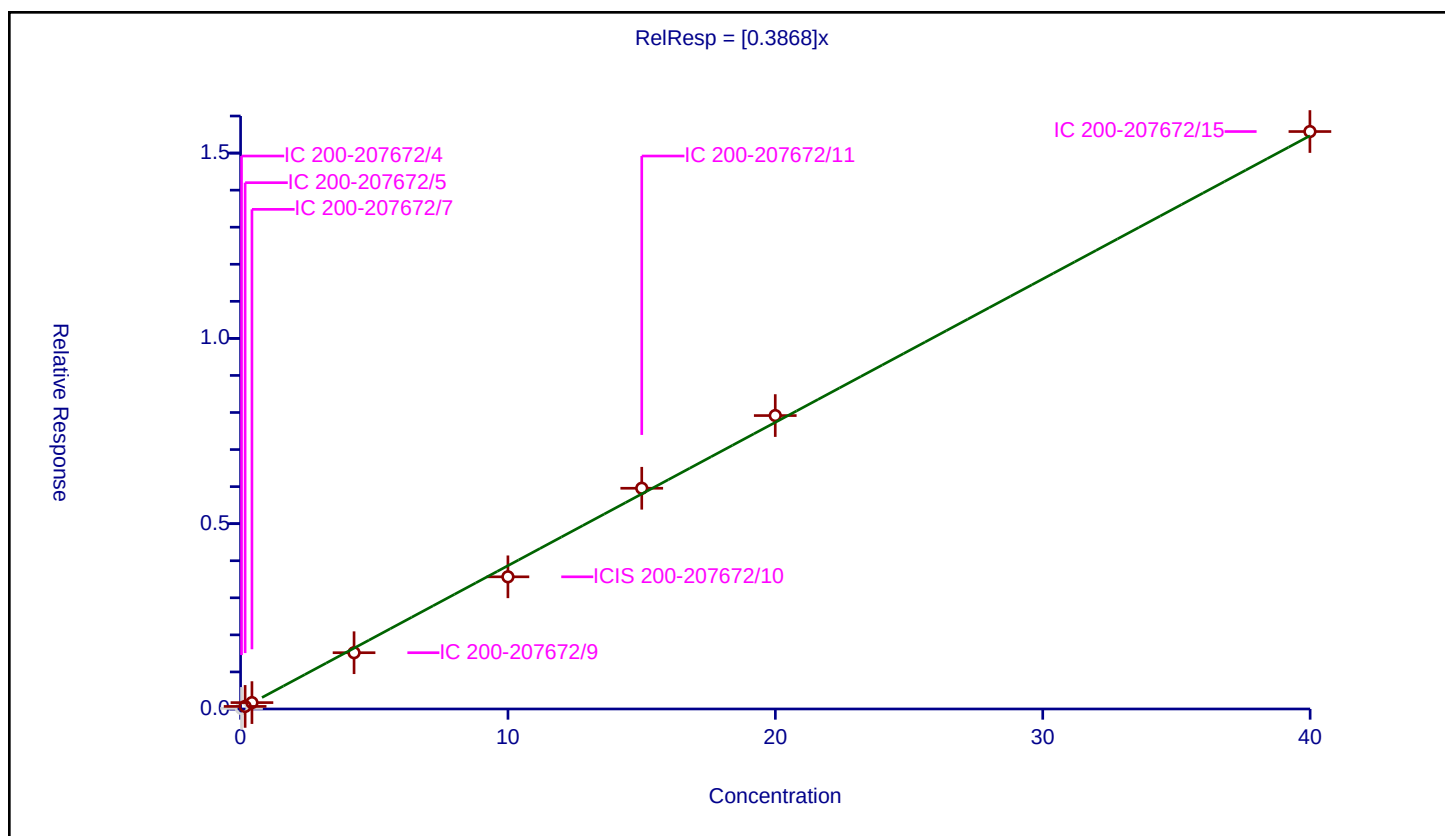
Curve Coefficients

Intercept: 0
Slope: 0.3868

Error Coefficients

Relative Standard Deviation: 5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.015305	10.0	434495.0	0.43633	N
2	IC 200-207672/5	0.170374	0.069082	10.0	417186.0	0.405473	Y
3	IC 200-207672/7	0.425385	0.172125	10.0	348641.0	0.404635	Y
4	IC 200-207672/9	4.243678	1.518825	10.0	392435.0	0.357903	Y
5	ICIS 200-207672/10	9.99806	3.566492	10.0	405561.0	0.356718	Y
6	IC 200-207672/11	15.003557	5.956318	10.0	410470.0	0.396994	Y
7	IC 200-207672/14	19.99612	7.91736	10.0	394144.0	0.395945	Y
8	IC 200-207672/15	39.99224	15.580901	10.0	451531.0	0.389598	Y



Calibration

/ Dichlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

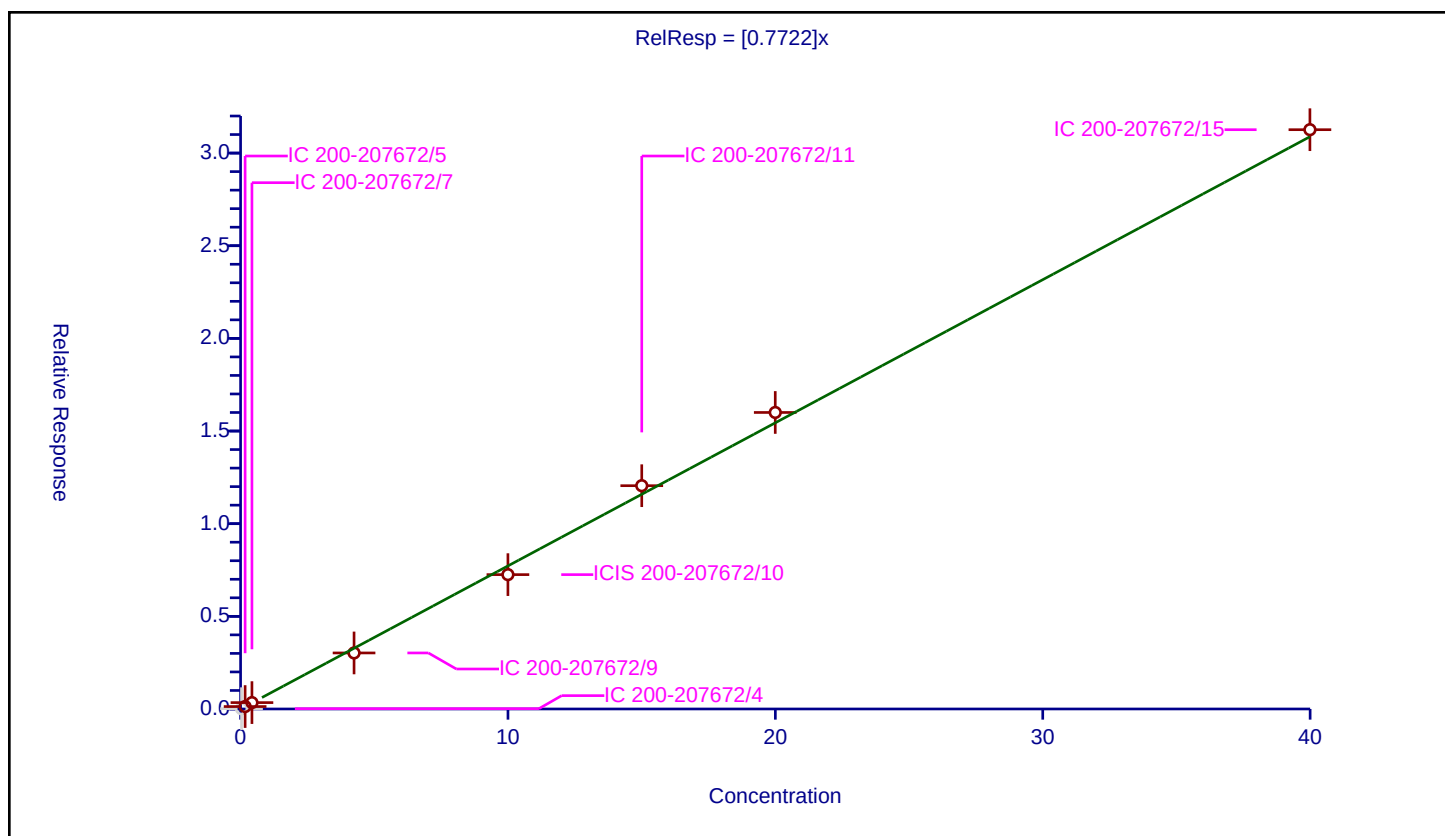
Curve Coefficients

Intercept: 0
Slope: 0.7722

Error Coefficients

Relative Standard Deviation: 5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.016433	10.0	434495.0	0.468481	N
2	IC 200-207672/5	0.170374	0.131716	10.0	417186.0	0.773099	Y
3	IC 200-207672/7	0.425385	0.344308	10.0	348641.0	0.809405	Y
4	IC 200-207672/9	4.243678	3.024068	10.0	392435.0	0.712605	Y
5	ICIS 200-207672/10	9.99806	7.25124	10.0	405561.0	0.725265	Y
6	IC 200-207672/11	15.003557	12.050381	10.0	410470.0	0.803168	Y
7	IC 200-207672/14	19.99612	16.00207	10.0	394144.0	0.800259	Y
8	IC 200-207672/15	39.99224	31.262283	10.0	451531.0	0.781709	Y



Calibration

/ cis-1,3-Dichloropropene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

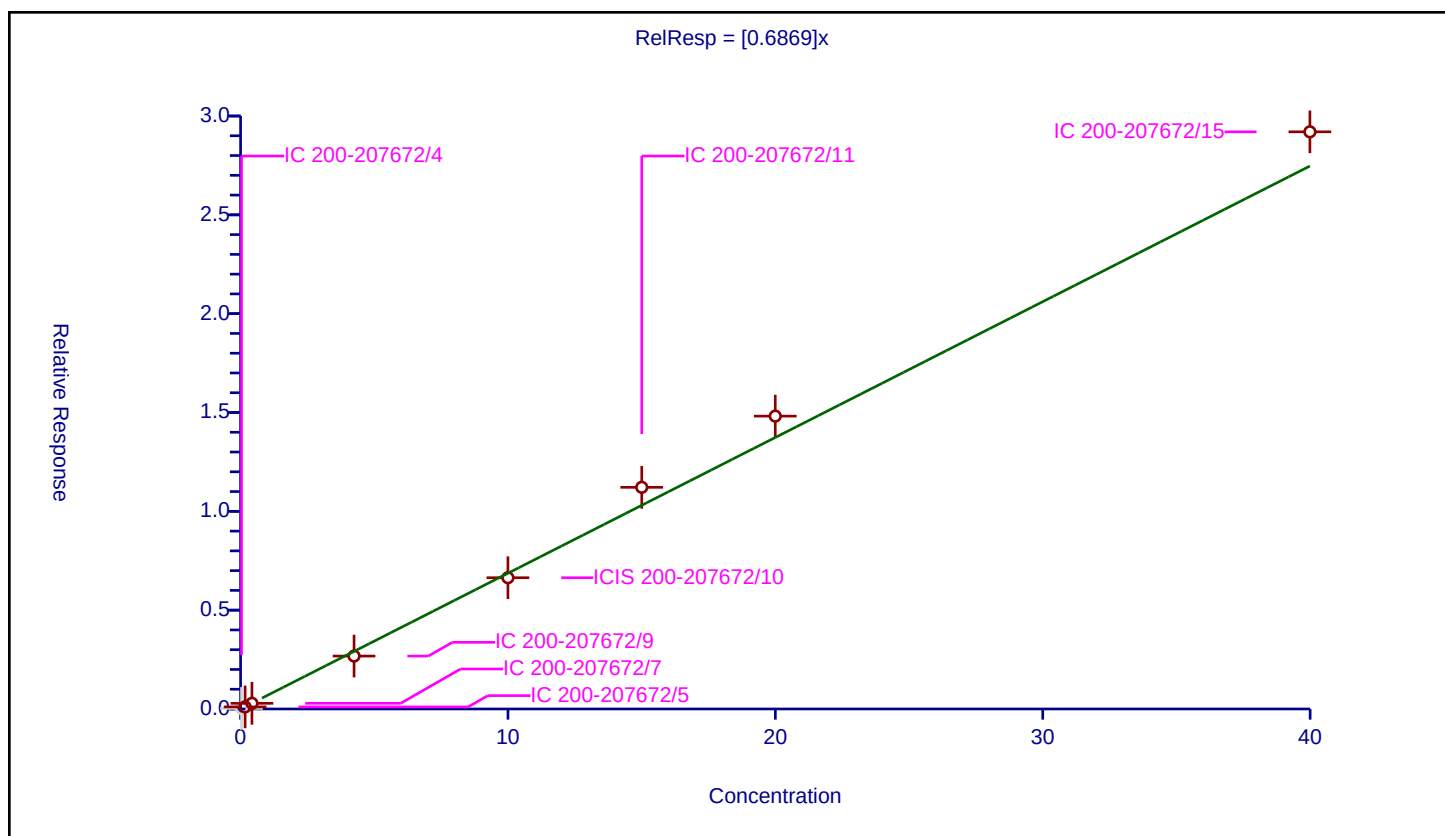
Curve Coefficients

Intercept: 0
Slope: 0.6869

Error Coefficients

Relative Standard Deviation: 7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.027296	10.0	434495.0	0.778177	N
2	IC 200-207672/5	0.170374	0.105876	10.0	417186.0	0.621434	Y
3	IC 200-207672/7	0.425385	0.286312	10.0	348641.0	0.673065	Y
4	IC 200-207672/9	4.243678	2.676876	10.0	392435.0	0.630792	Y
5	ICIS 200-207672/10	9.99806	6.640777	10.0	405561.0	0.664207	Y
6	IC 200-207672/11	15.003557	11.214924	10.0	410470.0	0.747484	Y
7	IC 200-207672/14	19.99612	14.81692	10.0	394144.0	0.74099	Y
8	IC 200-207672/15	39.99224	29.200144	10.0	451531.0	0.730145	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

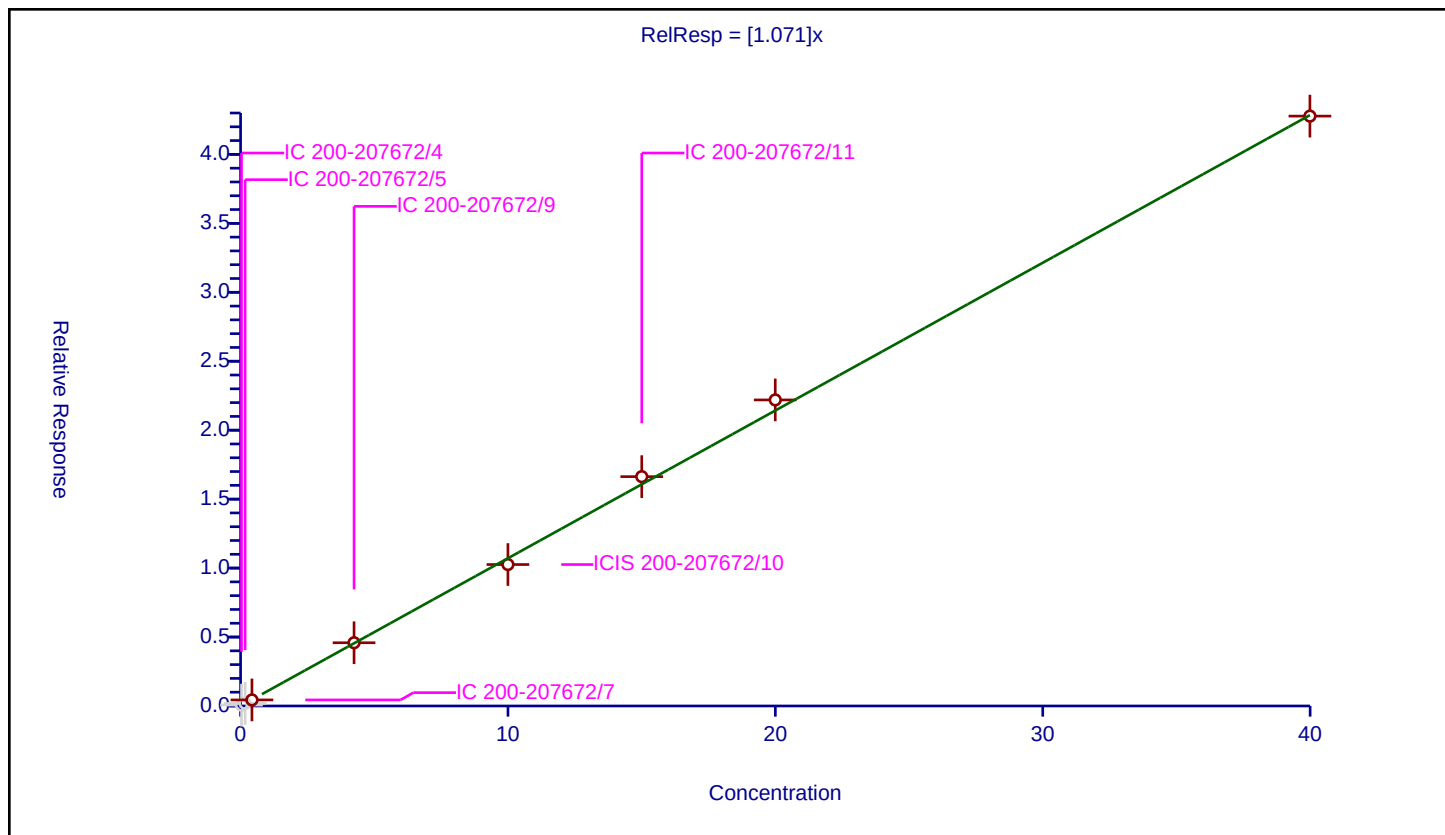
Curve Coefficients

Intercept: 0
 Slope: 1.071

Error Coefficients

Relative Standard Deviation: 3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.064627	10.0	434495.0	1.842428	N
2	IC 200-207672/5	0.170374	0.187111	10.0	417186.0	1.098237	N
3	IC 200-207672/7	0.425385	0.439478	10.0	348641.0	1.03313	Y
4	IC 200-207672/9	4.243678	4.586543	10.0	392435.0	1.080794	Y
5	ICIS 200-207672/10	9.99806	10.258062	10.0	405561.0	1.026005	Y
6	IC 200-207672/11	15.003557	16.632007	10.0	410470.0	1.108538	Y
7	IC 200-207672/14	19.99612	22.194477	10.0	394144.0	1.109939	Y
8	IC 200-207672/15	39.99224	42.775734	10.0	451531.0	1.069601	Y



Calibration

/ Toluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

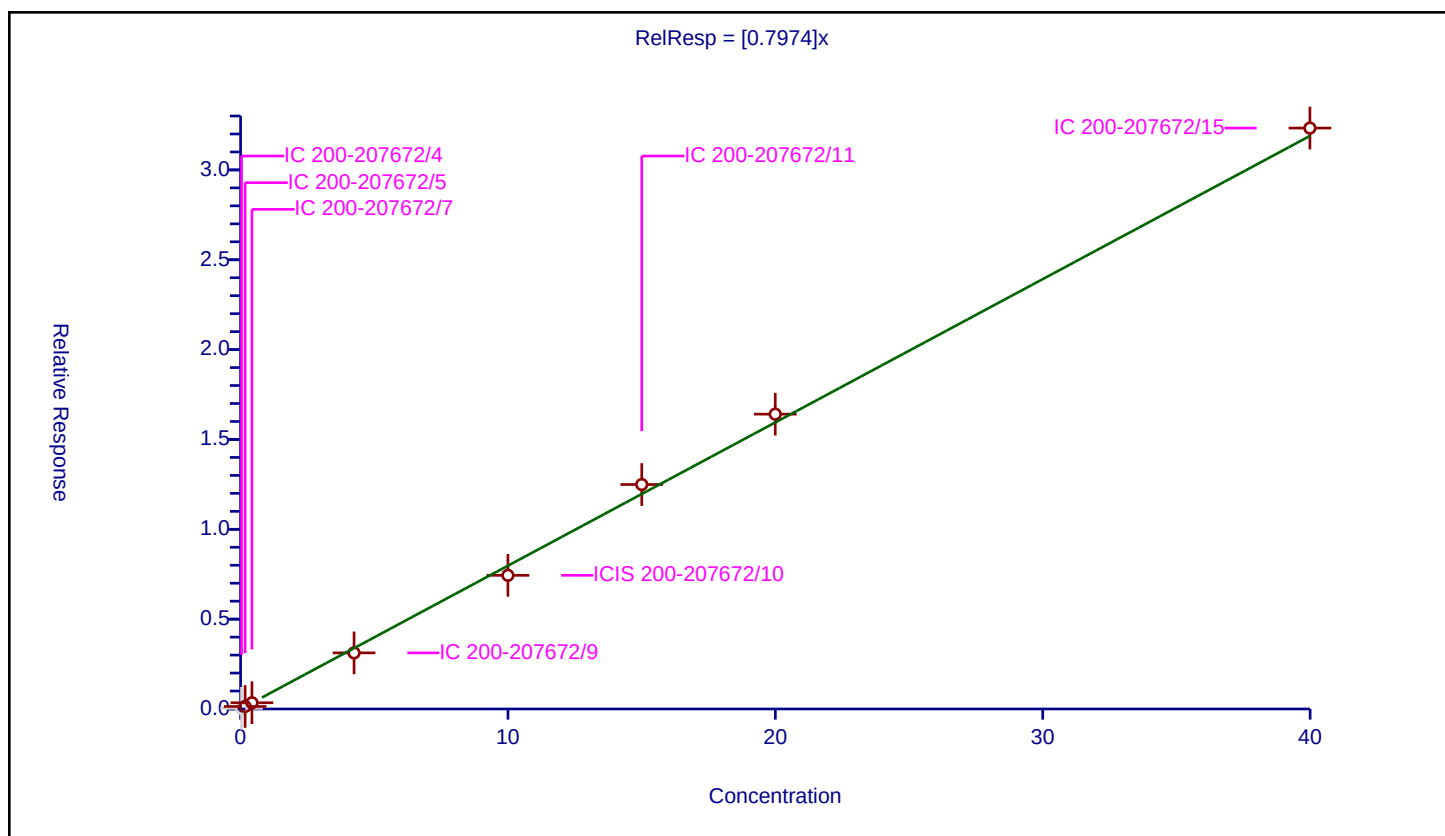
Curve Coefficients

Intercept: 0
Slope: 0.7974

Error Coefficients

Relative Standard Deviation: 5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.035757	10.0	378109.0	1.019384	N
2	IC 200-207672/5	0.170374	0.140405	10.0	365442.0	0.824102	Y
3	IC 200-207672/7	0.425385	0.34726	10.0	310430.0	0.816344	Y
4	IC 200-207672/9	4.243678	3.122839	10.0	356368.0	0.73588	Y
5	ICIS 200-207672/10	9.99806	7.439265	10.0	375486.0	0.744071	Y
6	IC 200-207672/11	15.003557	12.492248	10.0	383429.0	0.832619	Y
7	IC 200-207672/14	19.99612	16.408915	10.0	370331.0	0.820605	Y
8	IC 200-207672/15	39.99224	32.328646	10.0	424311.0	0.808373	Y



Calibration

/ n-Octane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

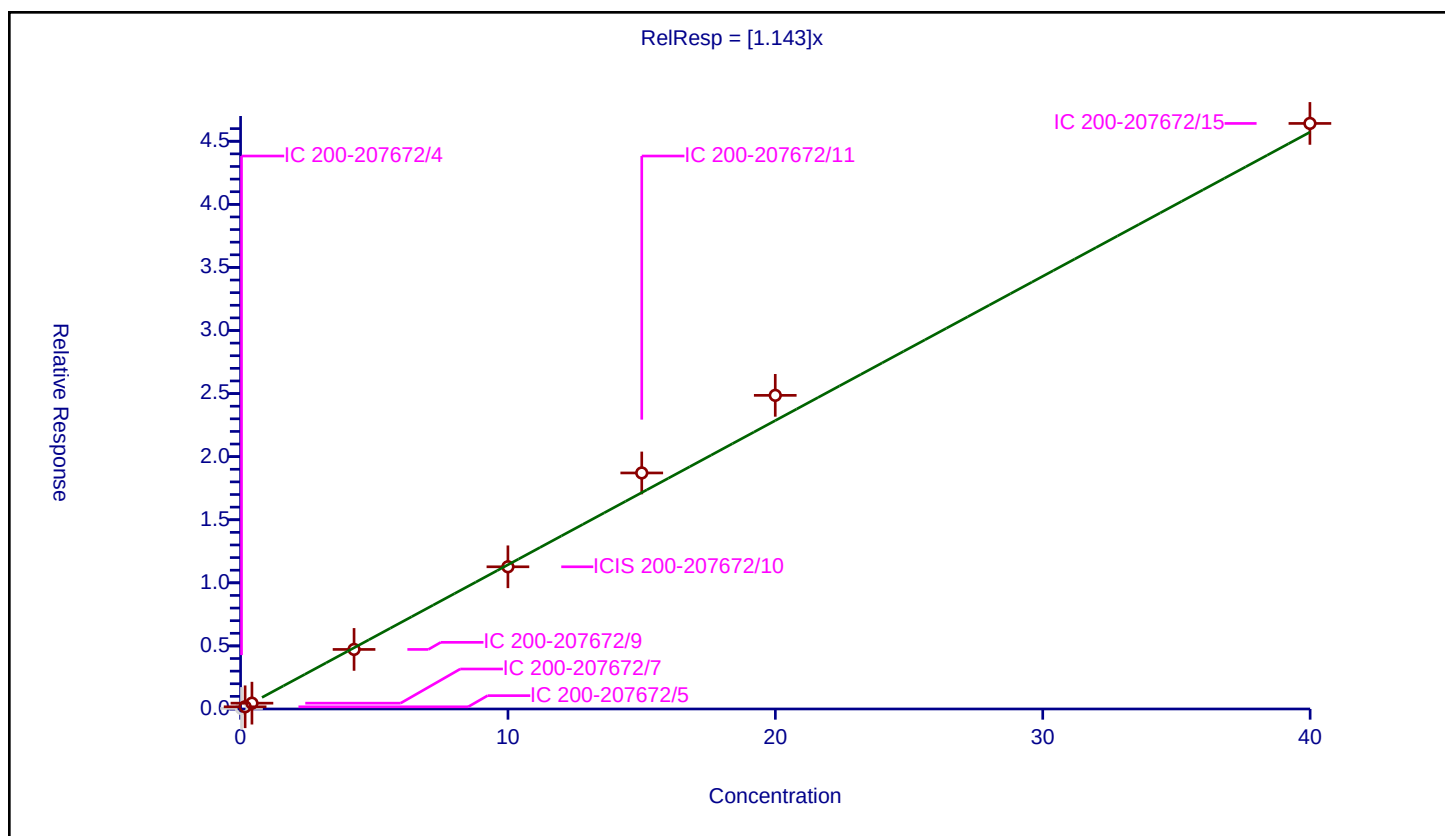
Curve Coefficients

Intercept: 0
Slope: 1.143

Error Coefficients

Relative Standard Deviation: 7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.042325	10.0	434495.0	1.206633	N
2	IC 200-207672/5	0.170374	0.175222	10.0	417186.0	1.028454	Y
3	IC 200-207672/7	0.425385	0.460904	10.0	348641.0	1.083499	Y
4	IC 200-207672/9	4.243678	4.720705	10.0	392435.0	1.112409	Y
5	ICIS 200-207672/10	9.99806	11.27103	10.0	405561.0	1.127322	Y
6	IC 200-207672/11	15.003557	18.709845	10.0	410470.0	1.247027	Y
7	IC 200-207672/14	19.99612	24.859239	10.0	394144.0	1.243203	Y
8	IC 200-207672/15	39.99224	46.413336	10.0	451531.0	1.160559	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

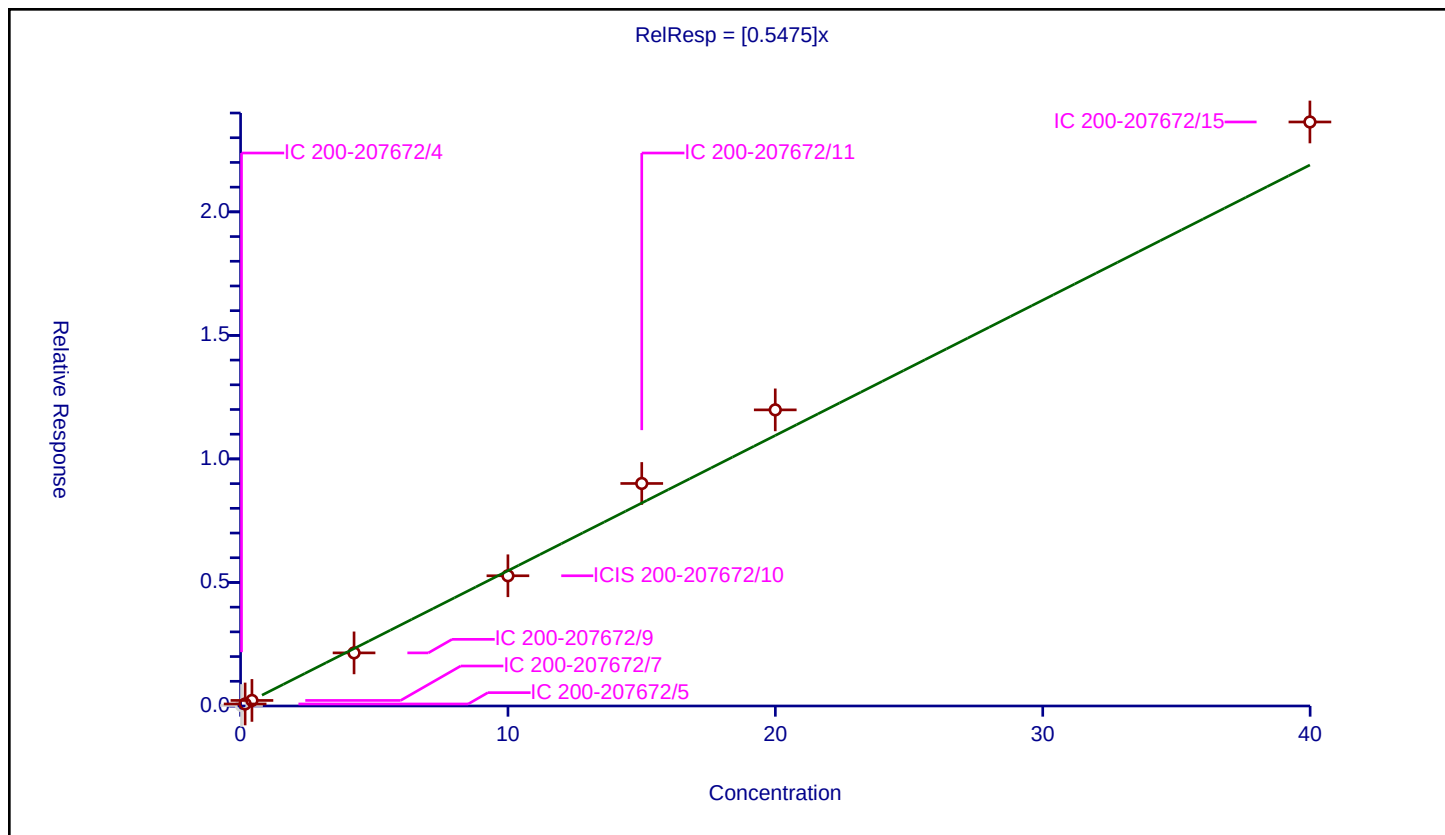
Curve Coefficients

Intercept: 0
Slope: 0.5475

Error Coefficients

Relative Standard Deviation: 9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.020345	10.0	434495.0	0.580024	N
2	IC 200-207672/5	0.170374	0.081714	10.0	417186.0	0.479617	Y
3	IC 200-207672/7	0.425385	0.224902	10.0	348641.0	0.528702	Y
4	IC 200-207672/9	4.243678	2.149171	10.0	392435.0	0.506441	Y
5	ICIS 200-207672/10	9.99806	5.270847	10.0	405561.0	0.527187	Y
6	IC 200-207672/11	15.003557	9.006651	10.0	410470.0	0.600301	Y
7	IC 200-207672/14	19.99612	11.984731	10.0	394144.0	0.599353	Y
8	IC 200-207672/15	39.99224	23.637646	10.0	451531.0	0.591056	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

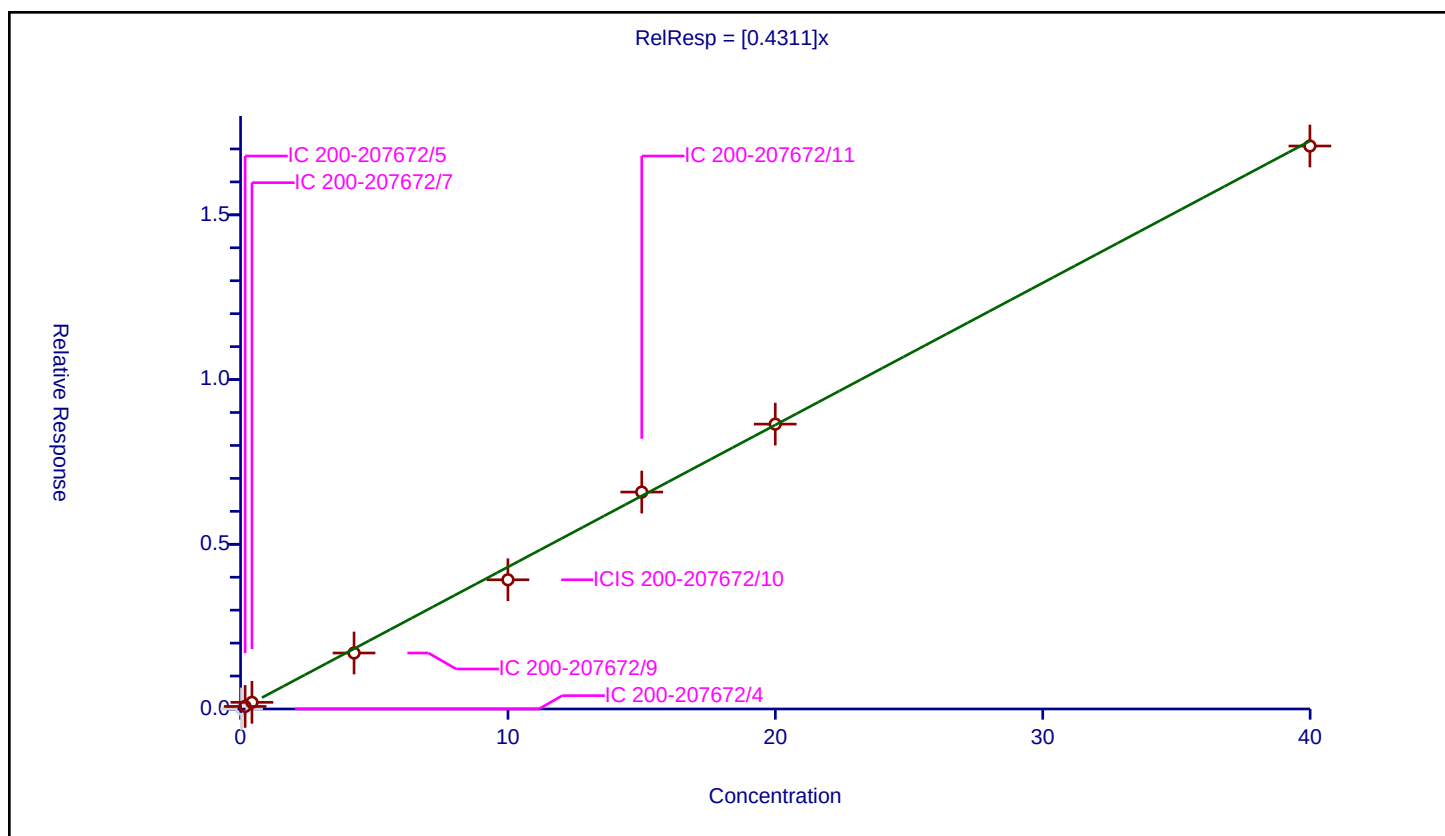
Curve Coefficients

Intercept: 0
 Slope: 0.4311

Error Coefficients

Relative Standard Deviation: 6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.0	10.0	378109.0	0.0	N
2	IC 200-207672/5	0.170374	0.076921	10.0	365442.0	0.451481	Y
3	IC 200-207672/7	0.425385	0.202075	10.0	310430.0	0.47504	Y
4	IC 200-207672/9	4.243678	1.699142	10.0	356368.0	0.400394	Y
5	ICIS 200-207672/10	9.99806	3.922623	10.0	375486.0	0.392338	Y
6	IC 200-207672/11	15.003557	6.584583	10.0	383429.0	0.438868	Y
7	IC 200-207672/14	19.99612	8.647075	10.0	370331.0	0.432438	Y
8	IC 200-207672/15	39.99224	17.089705	10.0	424311.0	0.427326	Y



Calibration

/ Tetrachloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

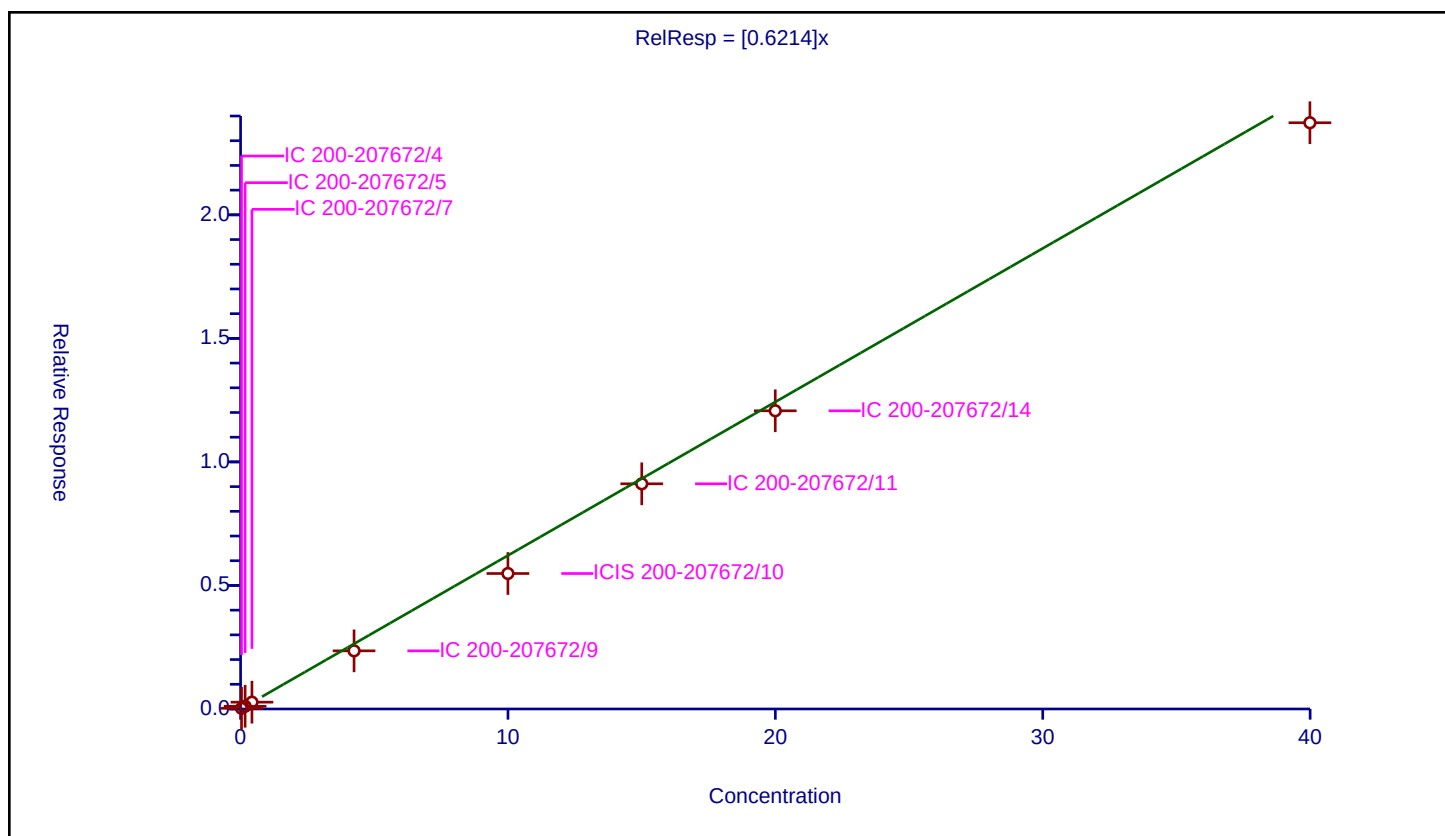
Curve Coefficients

Intercept: 0
Slope: 0.6214

Error Coefficients

Relative Standard Deviation: 11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.027082	10.0	378109.0	0.772078	Y
2	IC 200-207672/5	0.170374	0.109621	10.0	365442.0	0.643413	Y
3	IC 200-207672/7	0.425385	0.275875	10.0	310430.0	0.648532	Y
4	IC 200-207672/9	4.243678	2.353073	10.0	356368.0	0.554489	Y
5	ICIS 200-207672/10	9.99806	5.483906	10.0	375486.0	0.548497	Y
6	IC 200-207672/11	15.003557	9.113708	10.0	383429.0	0.607437	Y
7	IC 200-207672/14	19.99612	12.068852	10.0	370331.0	0.60356	Y
8	IC 200-207672/15	39.99224	23.727596	10.0	424311.0	0.593305	Y



Calibration

/ 2-Hexanone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

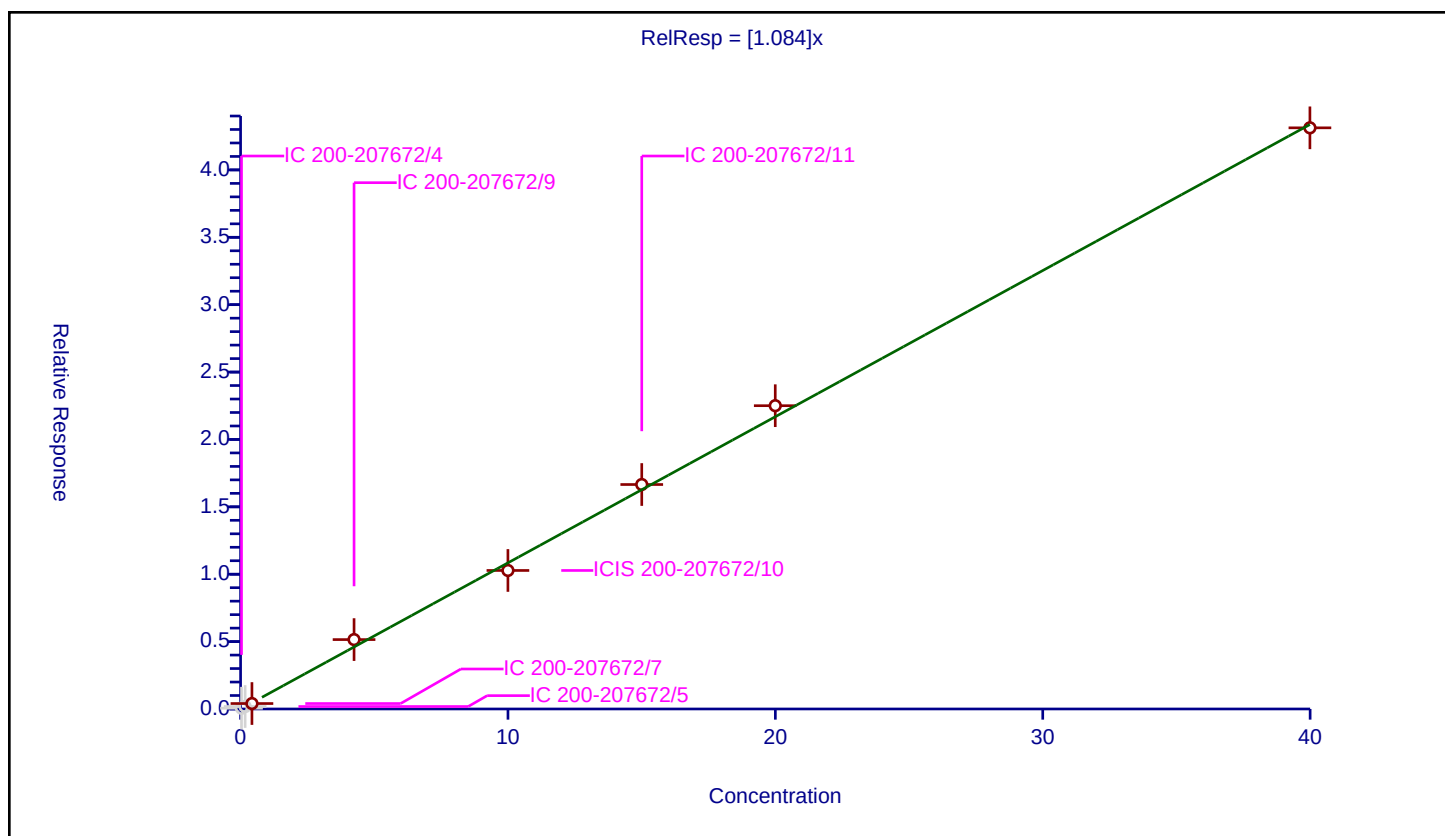
Curve Coefficients

Intercept: 0
Slope: 1.084

Error Coefficients

Relative Standard Deviation: 8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.057602	10.0	378109.0	1.642174	N
2	IC 200-207672/5	0.170374	0.182163	10.0	365442.0	1.069196	N
3	IC 200-207672/7	0.425385	0.404503	10.0	310430.0	0.950912	Y
4	IC 200-207672/9	4.243678	5.150098	10.0	356368.0	1.213593	Y
5	ICIS 200-207672/10	9.99806	10.278919	10.0	375486.0	1.028091	Y
6	IC 200-207672/11	15.003557	16.656252	10.0	383429.0	1.110154	Y
7	IC 200-207672/14	19.99612	22.505731	10.0	370331.0	1.125505	Y
8	IC 200-207672/15	39.99224	43.124359	10.0	424311.0	1.078318	Y



Calibration

/ Chlorodibromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

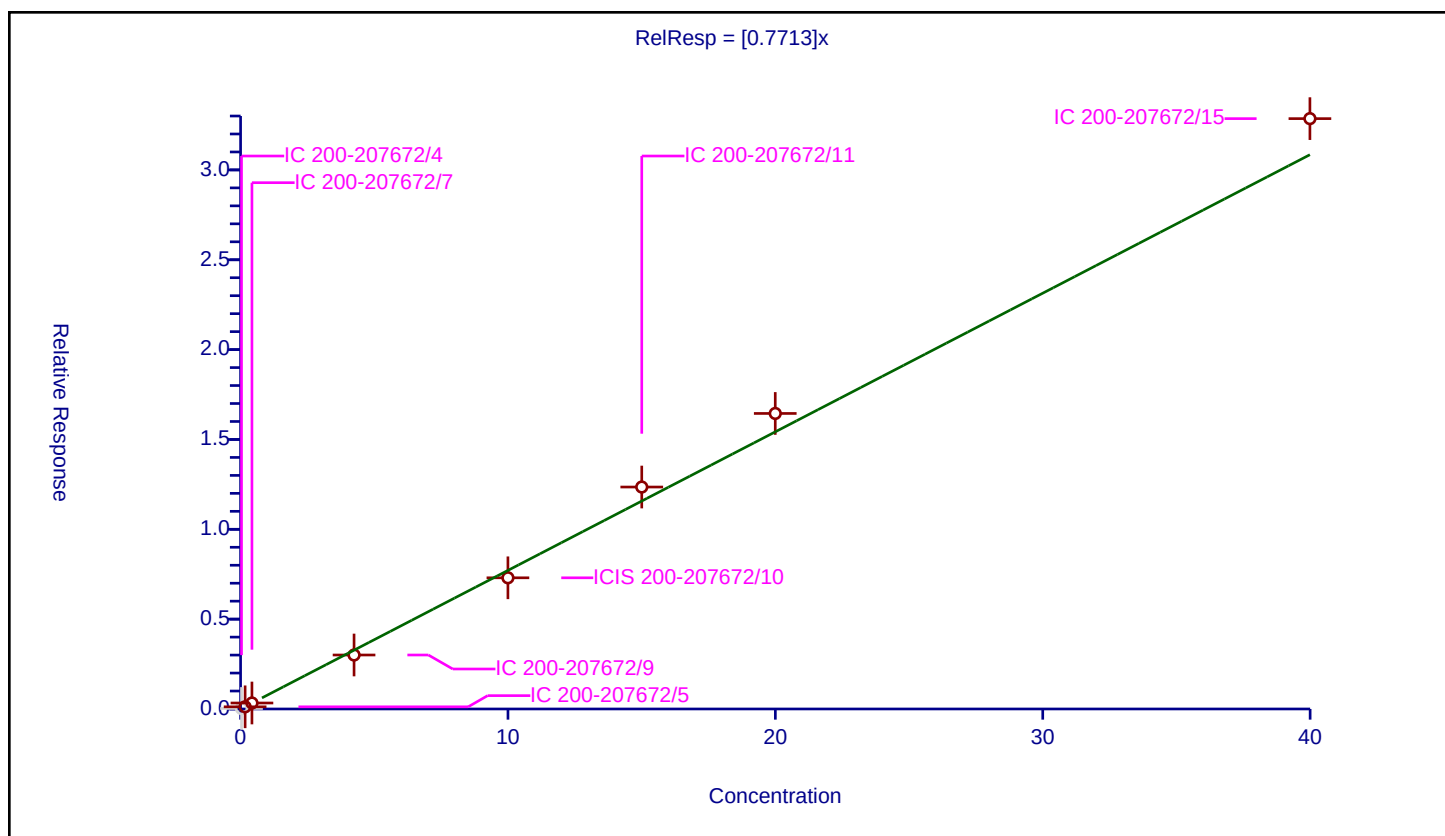
Curve Coefficients

Intercept: 0
 Slope: 0.7713

Error Coefficients

Relative Standard Deviation: 7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.029304	10.0	378109.0	0.835413	N
2	IC 200-207672/5	0.170374	0.120949	10.0	365442.0	0.709907	Y
3	IC 200-207672/7	0.425385	0.333376	10.0	310430.0	0.783705	Y
4	IC 200-207672/9	4.243678	3.004254	10.0	356368.0	0.707936	Y
5	ICIS 200-207672/10	9.99806	7.301284	10.0	375486.0	0.73027	Y
6	IC 200-207672/11	15.003557	12.352196	10.0	383429.0	0.823284	Y
7	IC 200-207672/14	19.99612	16.446557	10.0	370331.0	0.822487	Y
8	IC 200-207672/15	39.99224	32.855217	10.0	424311.0	0.82154	Y



Calibration

/ Ethylene Dibromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

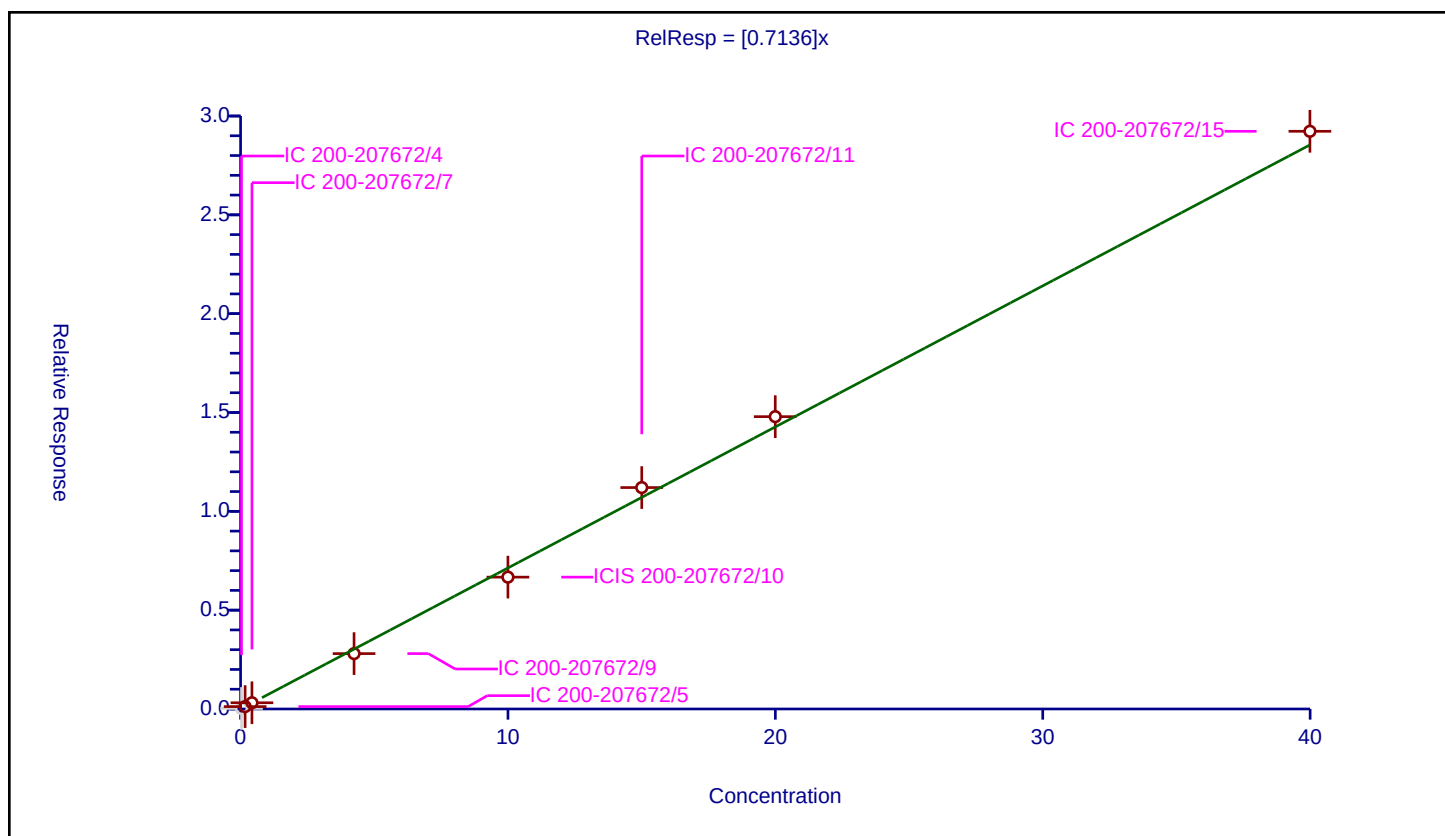
Curve Coefficients

Intercept: 0
Slope: 0.7136

Error Coefficients

Relative Standard Deviation: 5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.025786	10.0	378109.0	0.735133	N
2	IC 200-207672/5	0.170374	0.120922	10.0	365442.0	0.709746	Y
3	IC 200-207672/7	0.425385	0.315144	10.0	310430.0	0.740844	Y
4	IC 200-207672/9	4.243678	2.801009	10.0	356368.0	0.660043	Y
5	ICIS 200-207672/10	9.99806	6.670848	10.0	375486.0	0.667214	Y
6	IC 200-207672/11	15.003557	11.202961	10.0	383429.0	0.746687	Y
7	IC 200-207672/14	19.99612	14.789472	10.0	370331.0	0.739617	Y
8	IC 200-207672/15	39.99224	29.227006	10.0	424311.0	0.730817	Y



Calibration

/ Chlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

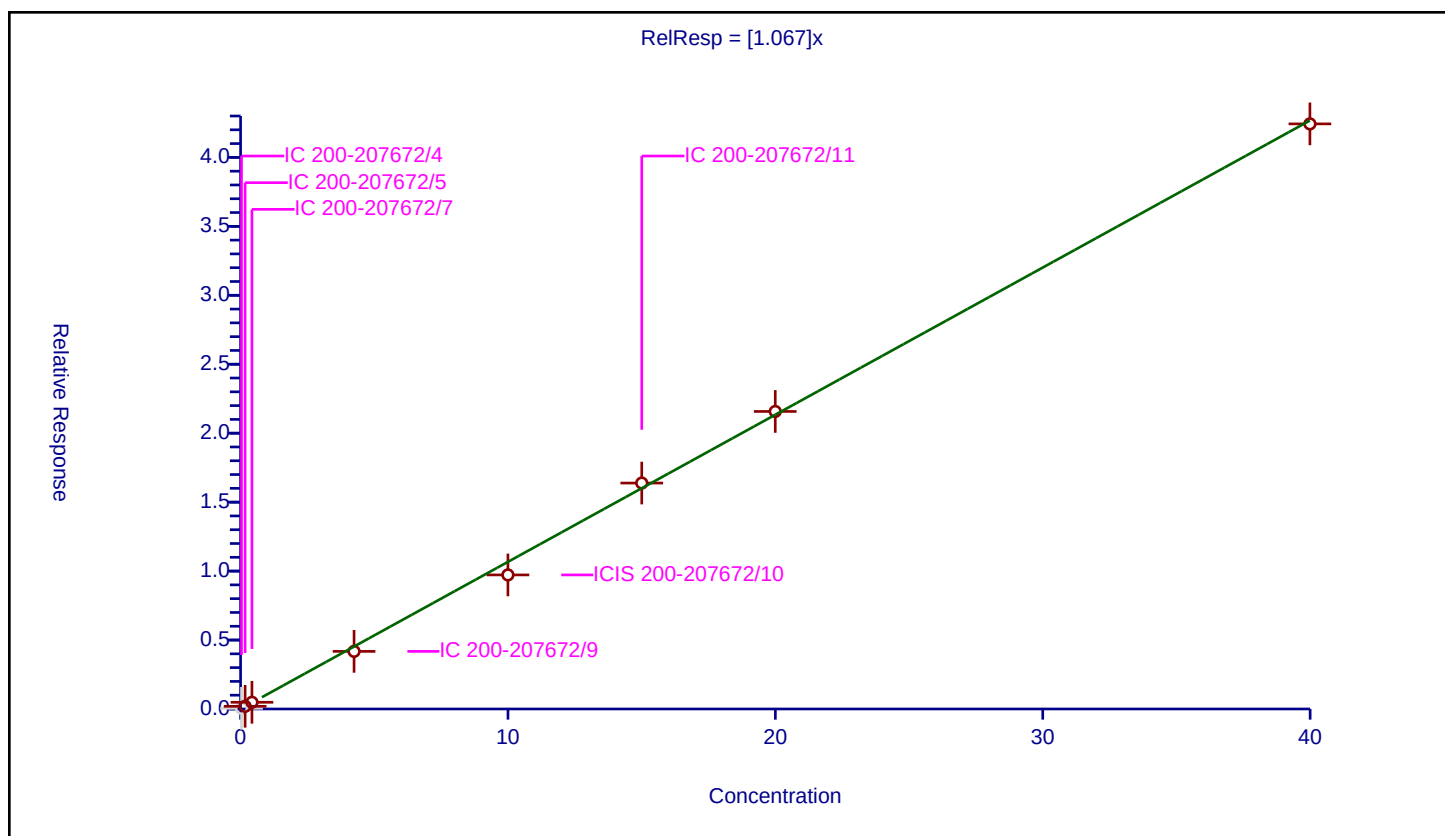
Curve Coefficients

Intercept: 0
 Slope: 1.067

Error Coefficients

Relative Standard Deviation: 6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.047632	10.0	378109.0	1.357922	N
2	IC 200-207672/5	0.170374	0.193683	10.0	365442.0	1.136814	Y
3	IC 200-207672/7	0.425385	0.486358	10.0	310430.0	1.143336	Y
4	IC 200-207672/9	4.243678	4.177732	10.0	356368.0	0.98446	Y
5	ICIS 200-207672/10	9.99806	9.72236	10.0	375486.0	0.972425	Y
6	IC 200-207672/11	15.003557	16.383737	10.0	383429.0	1.09199	Y
7	IC 200-207672/14	19.99612	21.575969	10.0	370331.0	1.079008	Y
8	IC 200-207672/15	39.99224	42.428902	10.0	424311.0	1.060928	Y



Calibration

/ Ethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

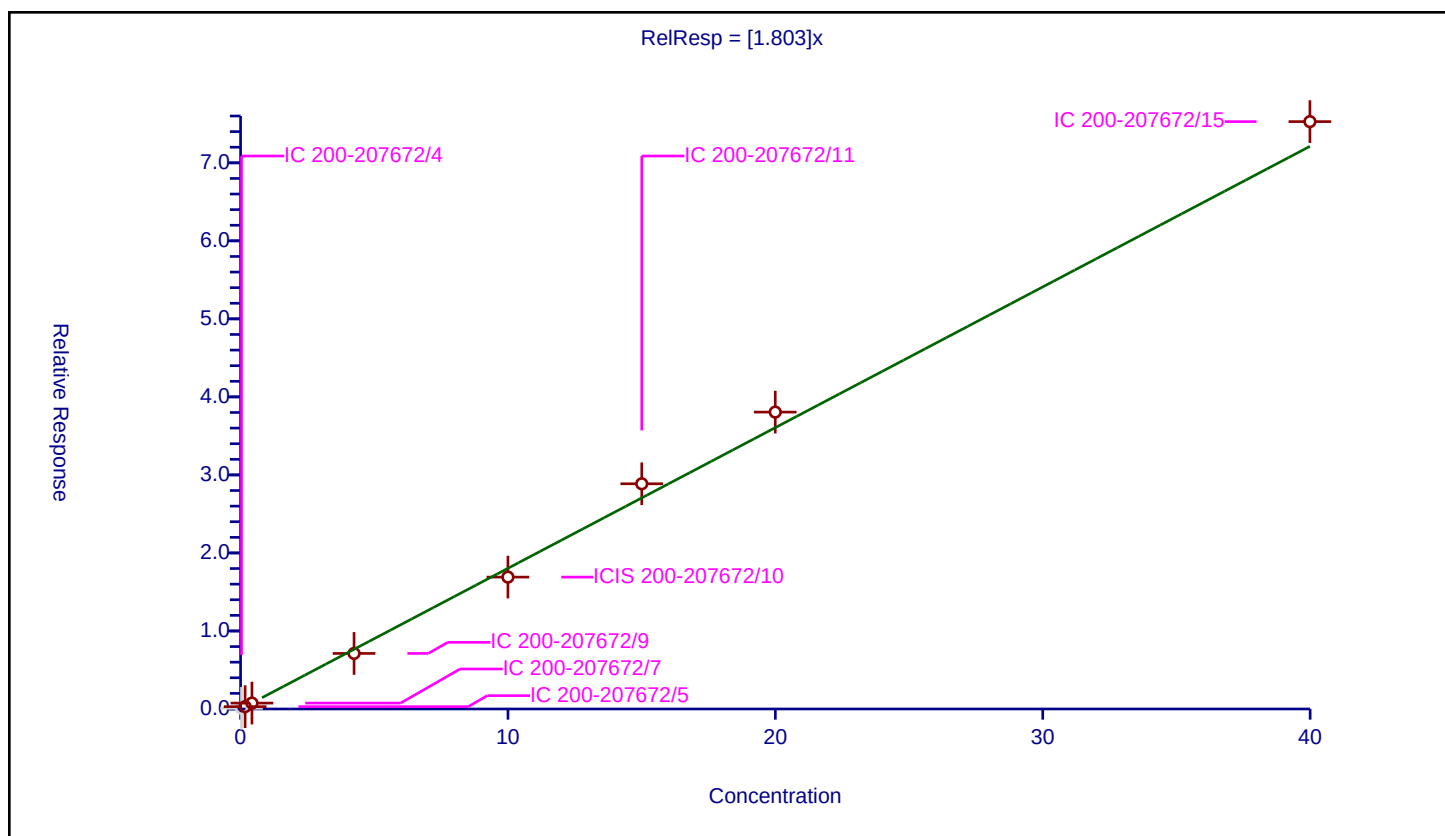
Curve Coefficients

Intercept: 0
Slope: 1.803

Error Coefficients

Relative Standard Deviation: 5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.087118	10.0	378109.0	2.483618	N
2	IC 200-207672/5	0.170374	0.300102	10.0	365442.0	1.761436	Y
3	IC 200-207672/7	0.425385	0.758561	10.0	310430.0	1.783235	Y
4	IC 200-207672/9	4.243678	7.120477	10.0	356368.0	1.677902	Y
5	ICIS 200-207672/10	9.99806	16.903853	10.0	375486.0	1.690713	Y
6	IC 200-207672/11	15.003557	28.864457	10.0	383429.0	1.923841	Y
7	IC 200-207672/14	19.99612	38.051473	10.0	370331.0	1.902943	Y
8	IC 200-207672/15	39.99224	75.282705	10.0	424311.0	1.882433	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

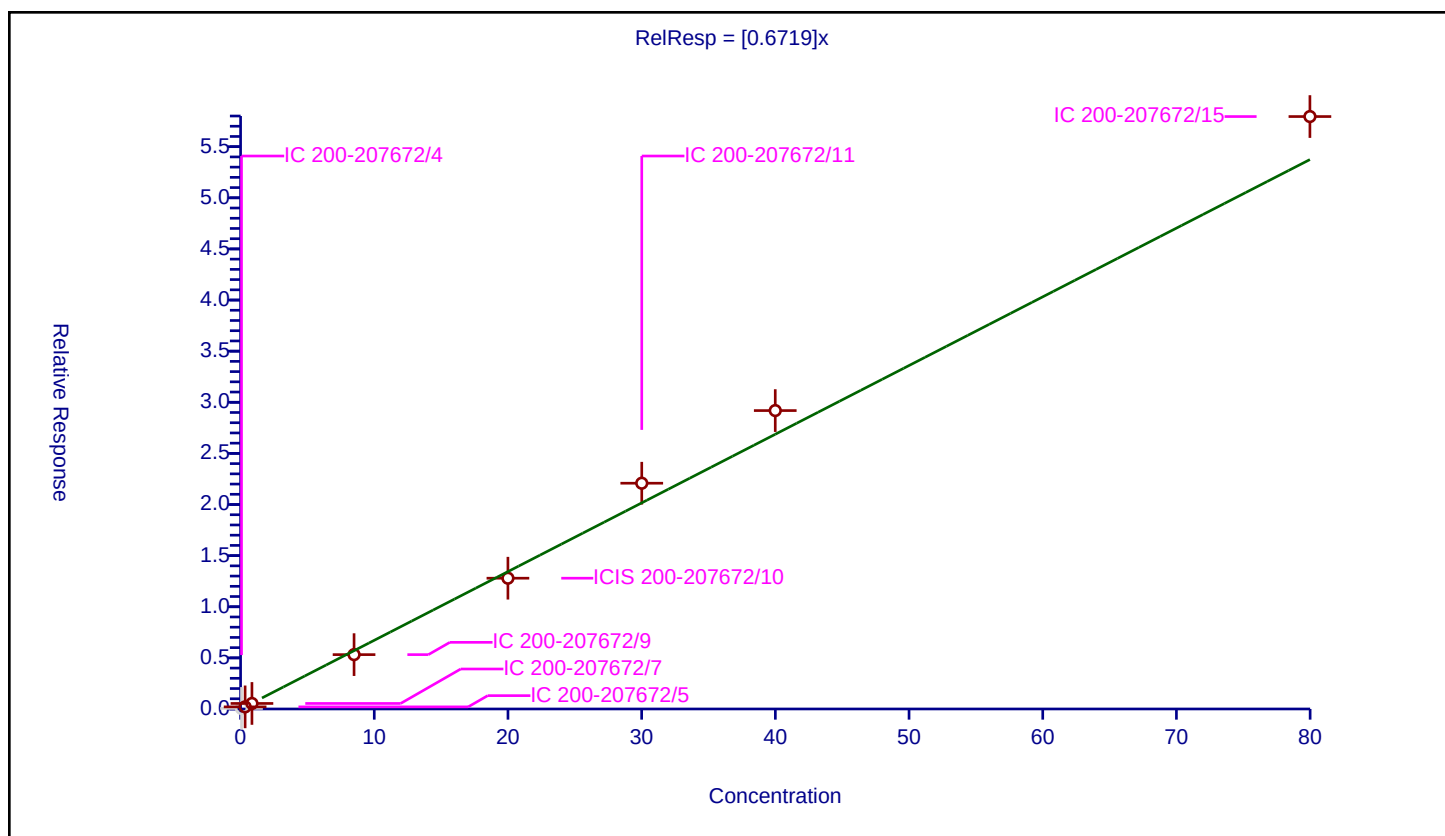
Curve Coefficients

Intercept: 0
 Slope: 0.6719

Error Coefficients

Relative Standard Deviation: 8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.070154	0.055857	10.0	378109.0	0.796206	N
2	IC 200-207672/5	0.340747	0.208104	10.0	365442.0	0.610728	Y
3	IC 200-207672/7	0.850769	0.541249	10.0	310430.0	0.636188	Y
4	IC 200-207672/9	8.487357	5.315909	10.0	356368.0	0.626333	Y
5	ICIS 200-207672/10	19.99612	12.793553	10.0	375486.0	0.639802	Y
6	IC 200-207672/11	30.007114	22.08255	10.0	383429.0	0.73591	Y
7	IC 200-207672/14	39.99224	29.188618	10.0	370331.0	0.729857	Y
8	IC 200-207672/15	79.984479	57.948344	10.0	424311.0	0.724495	Y



Calibration

/ n-Nonane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

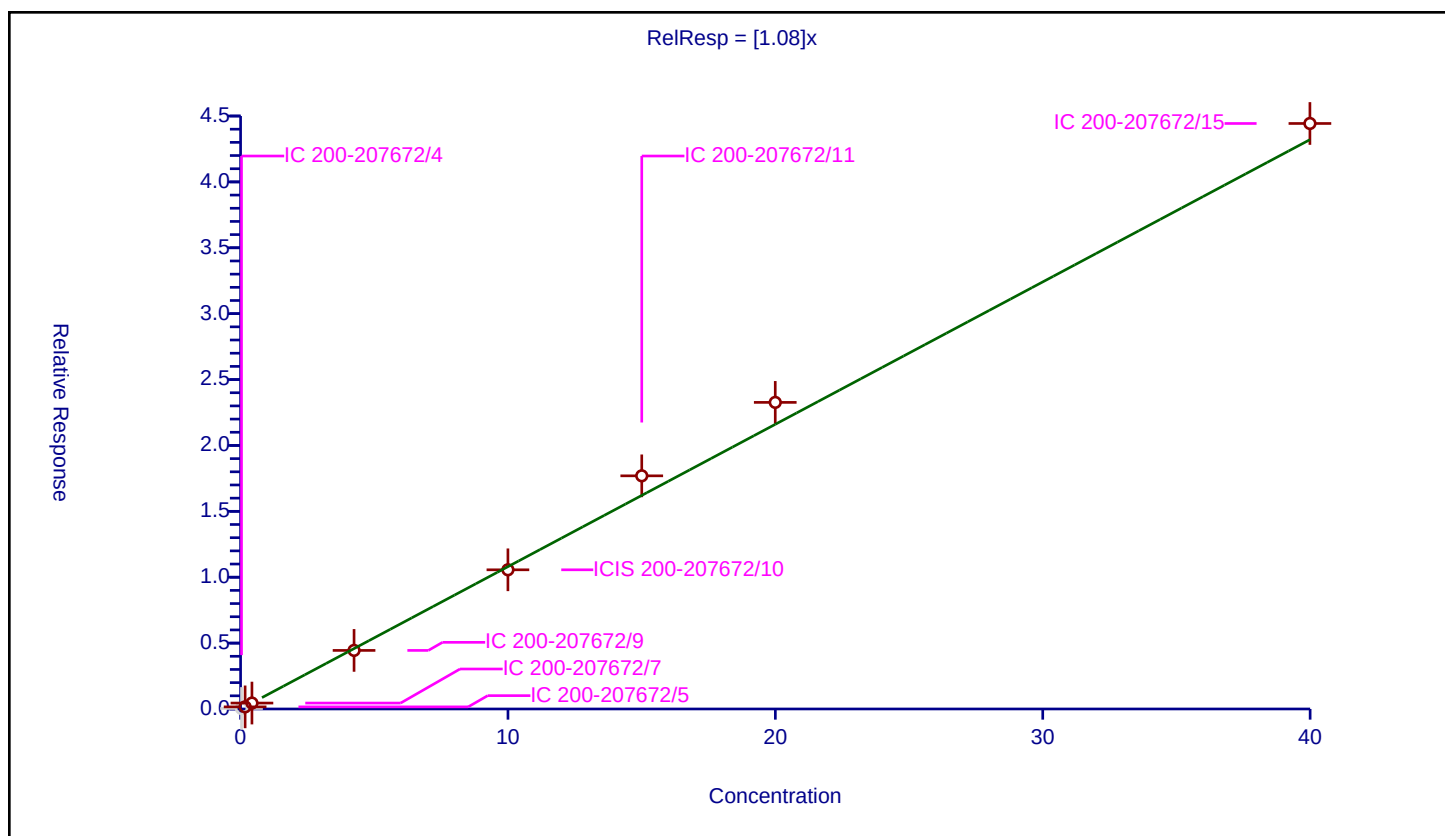
Curve Coefficients

Intercept: 0
 Slope: 1.08

Error Coefficients

Relative Standard Deviation: 7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.039936	10.0	378109.0	1.138514	N
2	IC 200-207672/5	0.170374	0.16112	10.0	365442.0	0.945686	Y
3	IC 200-207672/7	0.425385	0.450343	10.0	310430.0	1.058672	Y
4	IC 200-207672/9	4.243678	4.445012	10.0	356368.0	1.047443	Y
5	ICIS 200-207672/10	9.99806	10.563483	10.0	375486.0	1.056553	Y
6	IC 200-207672/11	15.003557	17.694984	10.0	383429.0	1.179386	Y
7	IC 200-207672/14	19.99612	23.267509	10.0	370331.0	1.163601	Y
8	IC 200-207672/15	39.99224	44.432621	10.0	424311.0	1.111031	Y



Calibration

/ o-Xylene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

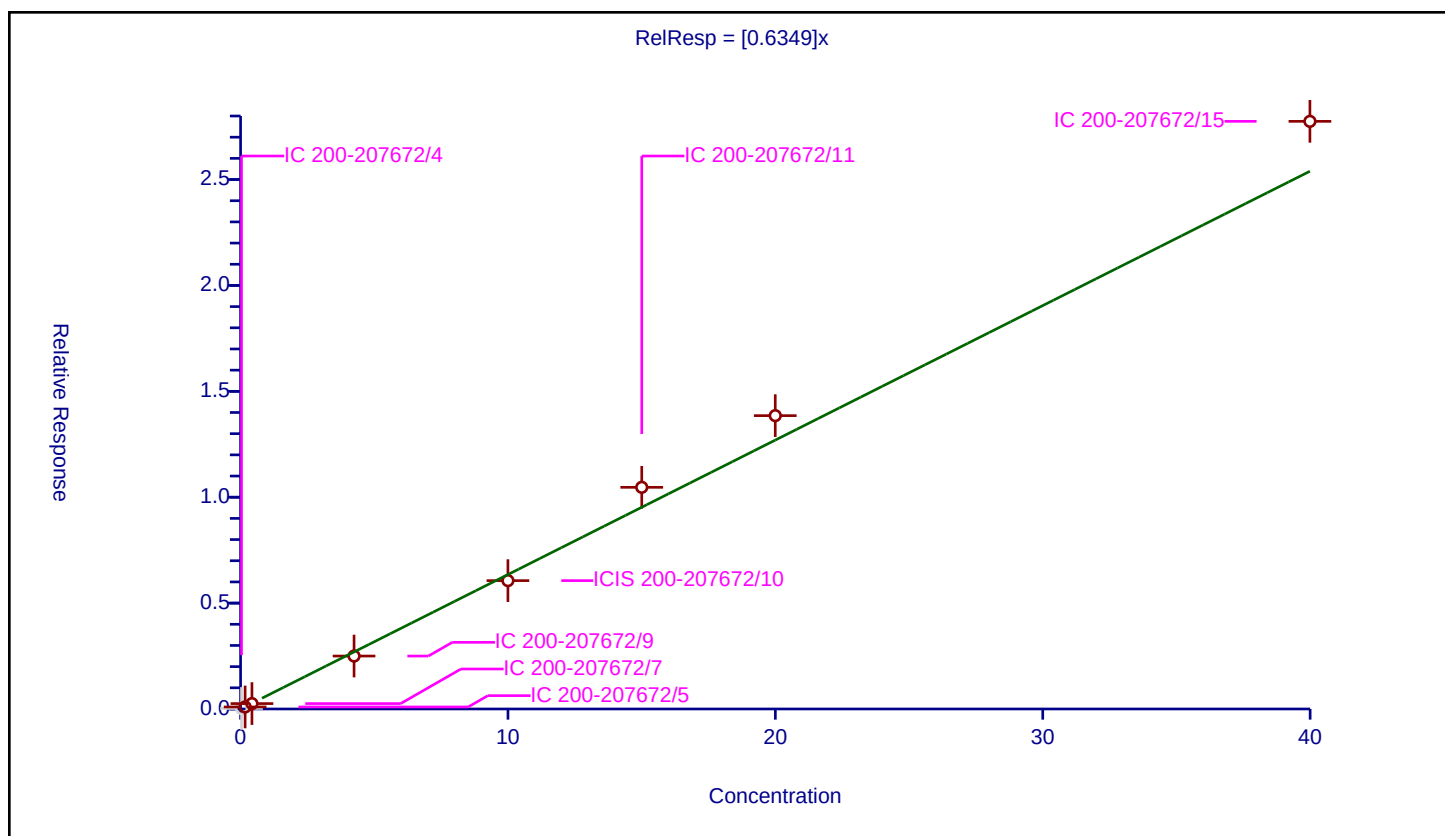
Curve Coefficients

Intercept: 0
Slope: 0.6349

Error Coefficients

Relative Standard Deviation: 9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.025019	10.0	378109.0	0.713267	N
2	IC 200-207672/5	0.170374	0.096404	10.0	365442.0	0.565837	Y
3	IC 200-207672/7	0.425385	0.25484	10.0	310430.0	0.599081	Y
4	IC 200-207672/9	4.243678	2.499972	10.0	356368.0	0.589105	Y
5	ICIS 200-207672/10	9.99806	6.060732	10.0	375486.0	0.606191	Y
6	IC 200-207672/11	15.003557	10.466501	10.0	383429.0	0.697601	Y
7	IC 200-207672/14	19.99612	13.852283	10.0	370331.0	0.692749	Y
8	IC 200-207672/15	39.99224	27.748208	10.0	424311.0	0.69384	Y



Calibration

/ Styrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

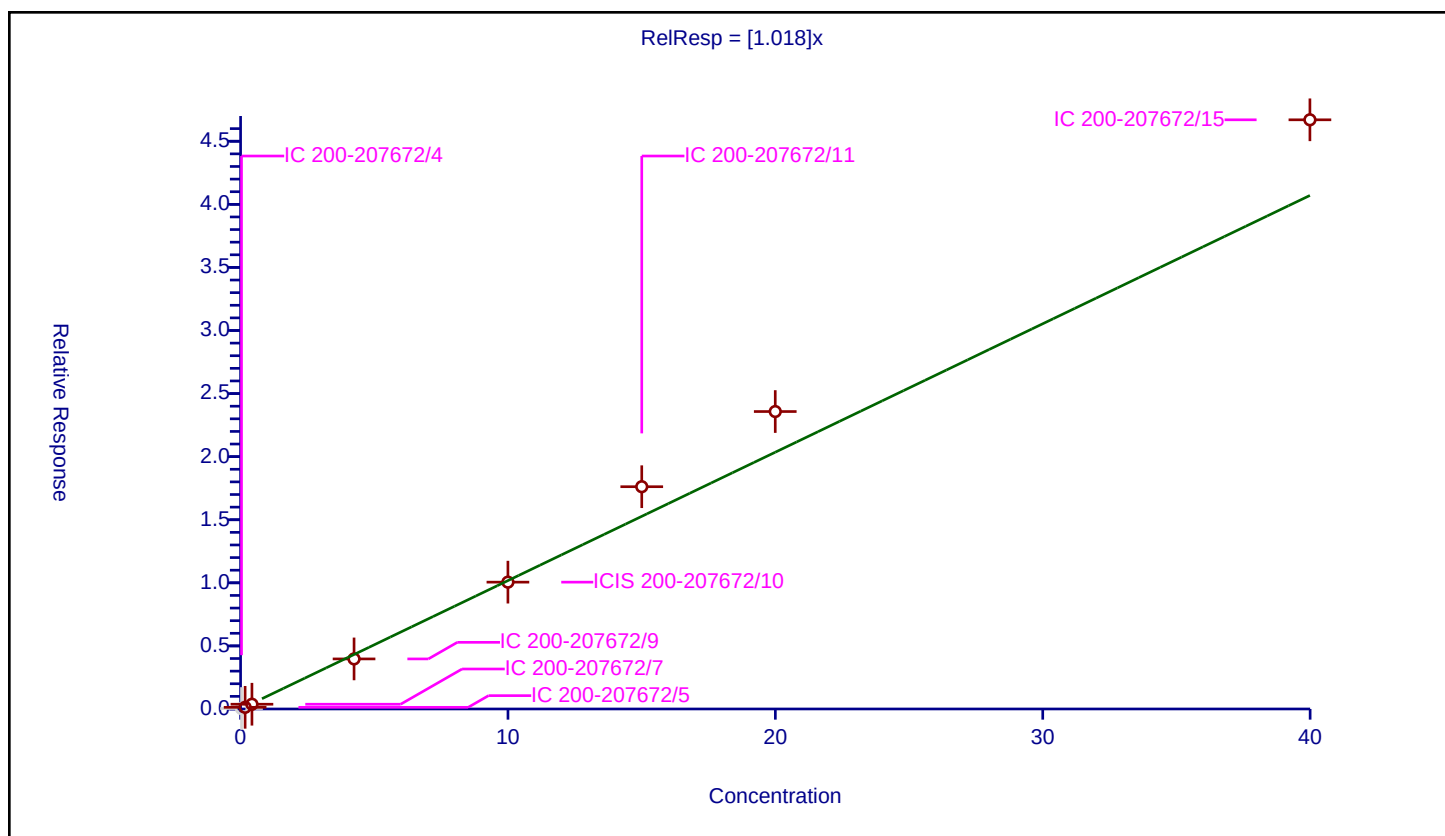
Curve Coefficients

Intercept: 0
 Slope: 1.018

Error Coefficients

Relative Standard Deviation: 15.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.036021	10.0	378109.0	1.026924	N
2	IC 200-207672/5	0.170374	0.13236	10.0	365442.0	0.776882	Y
3	IC 200-207672/7	0.425385	0.376735	10.0	310430.0	0.885635	Y
4	IC 200-207672/9	4.243678	3.969268	10.0	356368.0	0.935337	Y
5	ICIS 200-207672/10	9.99806	10.052891	10.0	375486.0	1.005484	Y
6	IC 200-207672/11	15.003557	17.619038	10.0	383429.0	1.174324	Y
7	IC 200-207672/14	19.99612	23.575666	10.0	370331.0	1.179012	Y
8	IC 200-207672/15	39.99224	46.699072	10.0	424311.0	1.167703	Y



Calibration

/ Bromoform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

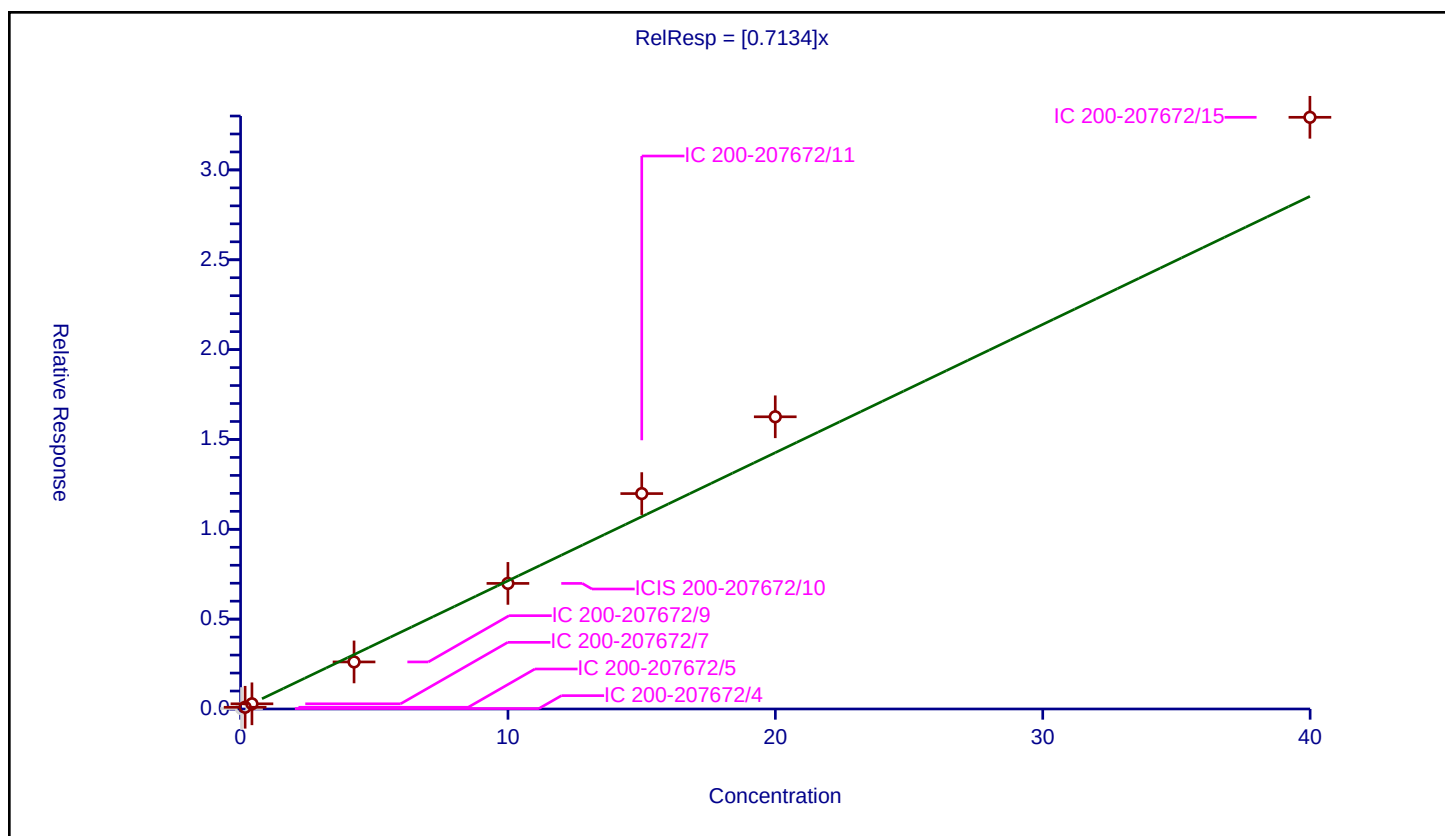
Curve Coefficients

Intercept: 0
Slope: 0.7134

Error Coefficients

Relative Standard Deviation: 14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.023961	10.0	378109.0	0.683108	N
2	IC 200-207672/5	0.170374	0.095802	10.0	365442.0	0.562304	Y
3	IC 200-207672/7	0.425385	0.289018	10.0	310430.0	0.679428	Y
4	IC 200-207672/9	4.243678	2.61909	10.0	356368.0	0.617175	Y
5	ICIS 200-207672/10	9.99806	6.989129	10.0	375486.0	0.699048	Y
6	IC 200-207672/11	15.003557	11.98806	10.0	383429.0	0.799015	Y
7	IC 200-207672/14	19.99612	16.261669	10.0	370331.0	0.813241	Y
8	IC 200-207672/15	39.99224	32.928442	10.0	424311.0	0.823371	Y



Calibration

/ Isopropylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

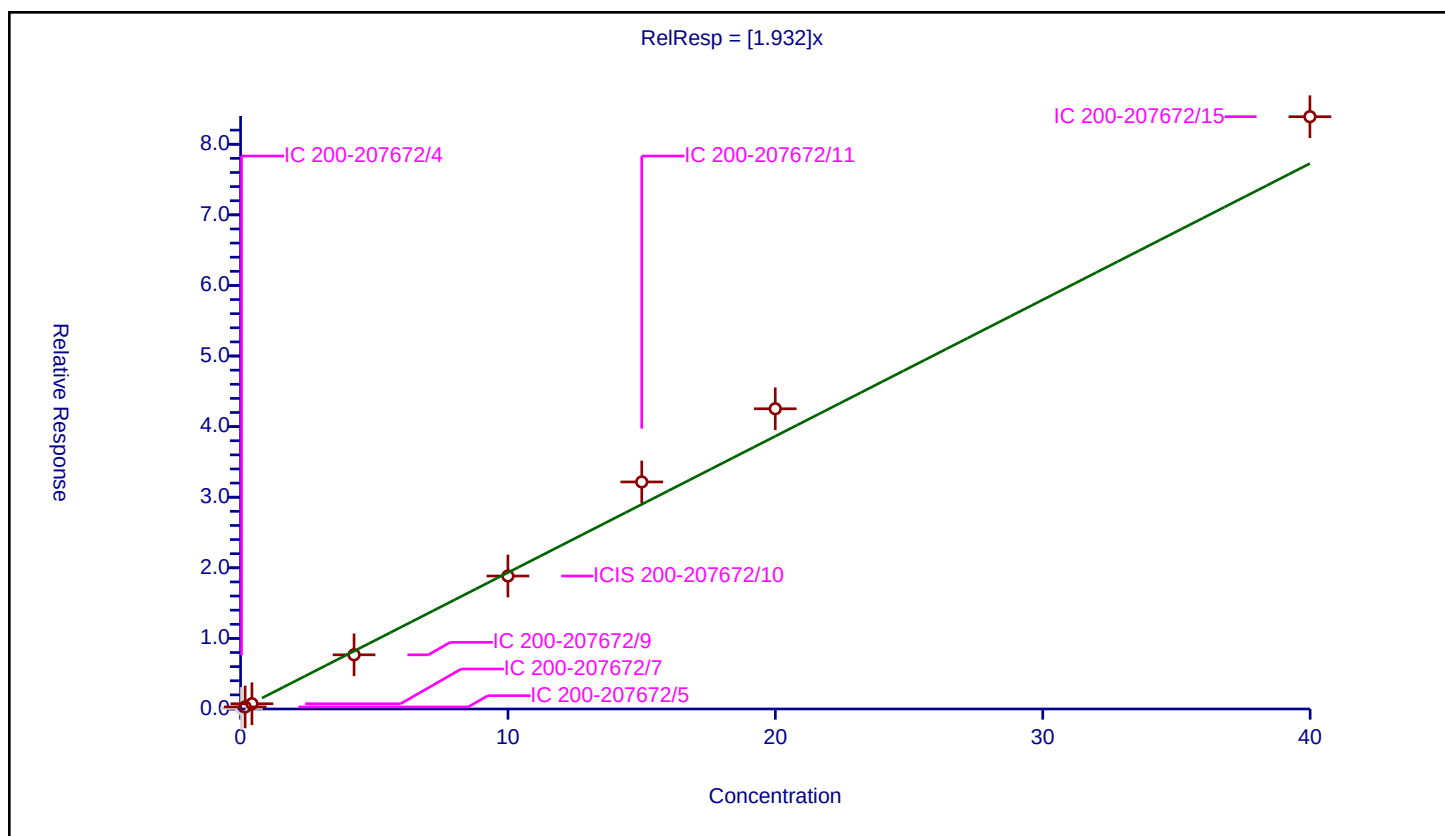
Curve Coefficients

Intercept: 0
Slope: 1.932

Error Coefficients

Relative Standard Deviation: 9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.077332	10.0	378109.0	2.204645	N
2	IC 200-207672/5	0.170374	0.291182	10.0	365442.0	1.709076	Y
3	IC 200-207672/7	0.425385	0.746448	10.0	310430.0	1.754761	Y
4	IC 200-207672/9	4.243678	7.674819	10.0	356368.0	1.80853	Y
5	ICIS 200-207672/10	9.99806	18.835776	10.0	375486.0	1.883943	Y
6	IC 200-207672/11	15.003557	32.165355	10.0	383429.0	2.143849	Y
7	IC 200-207672/14	19.99612	42.529089	10.0	370331.0	2.126867	Y
8	IC 200-207672/15	39.99224	83.903222	10.0	424311.0	2.097988	Y



Calibration

/ 1,1,2,2-Tetrachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

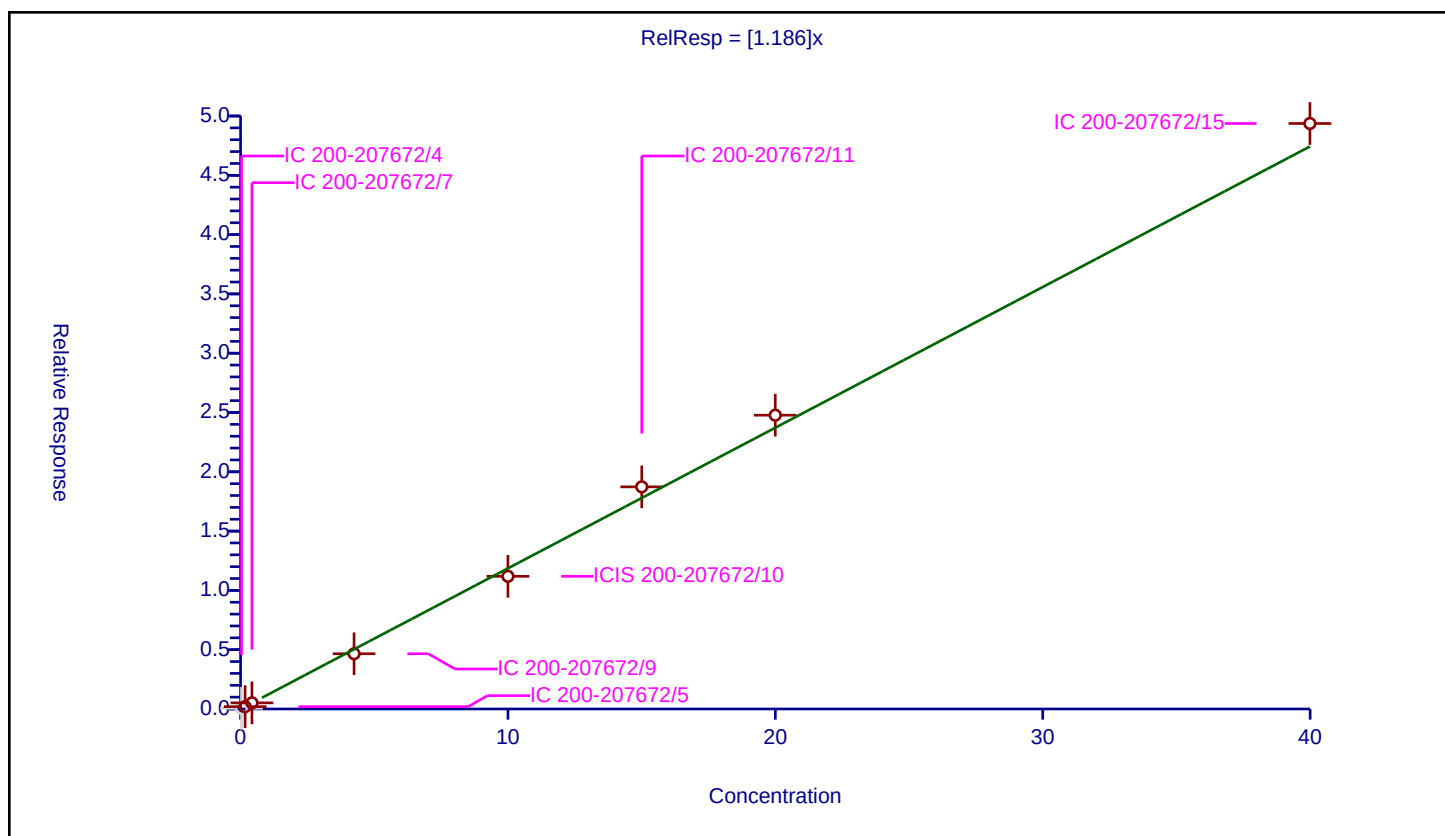
Curve Coefficients

Intercept: 0
Slope: 1.186

Error Coefficients

Relative Standard Deviation: 5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.056333	10.0	378109.0	1.605983	N
2	IC 200-207672/5	0.170374	0.196392	10.0	365442.0	1.152715	Y
3	IC 200-207672/7	0.425385	0.514995	10.0	310430.0	1.210658	Y
4	IC 200-207672/9	4.243678	4.657798	10.0	356368.0	1.097585	Y
5	ICIS 200-207672/10	9.99806	11.188593	10.0	375486.0	1.119076	Y
6	IC 200-207672/11	15.003557	18.730378	10.0	383429.0	1.248396	Y
7	IC 200-207672/14	19.99612	24.774324	10.0	370331.0	1.238957	Y
8	IC 200-207672/15	39.99224	49.369755	10.0	424311.0	1.234483	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

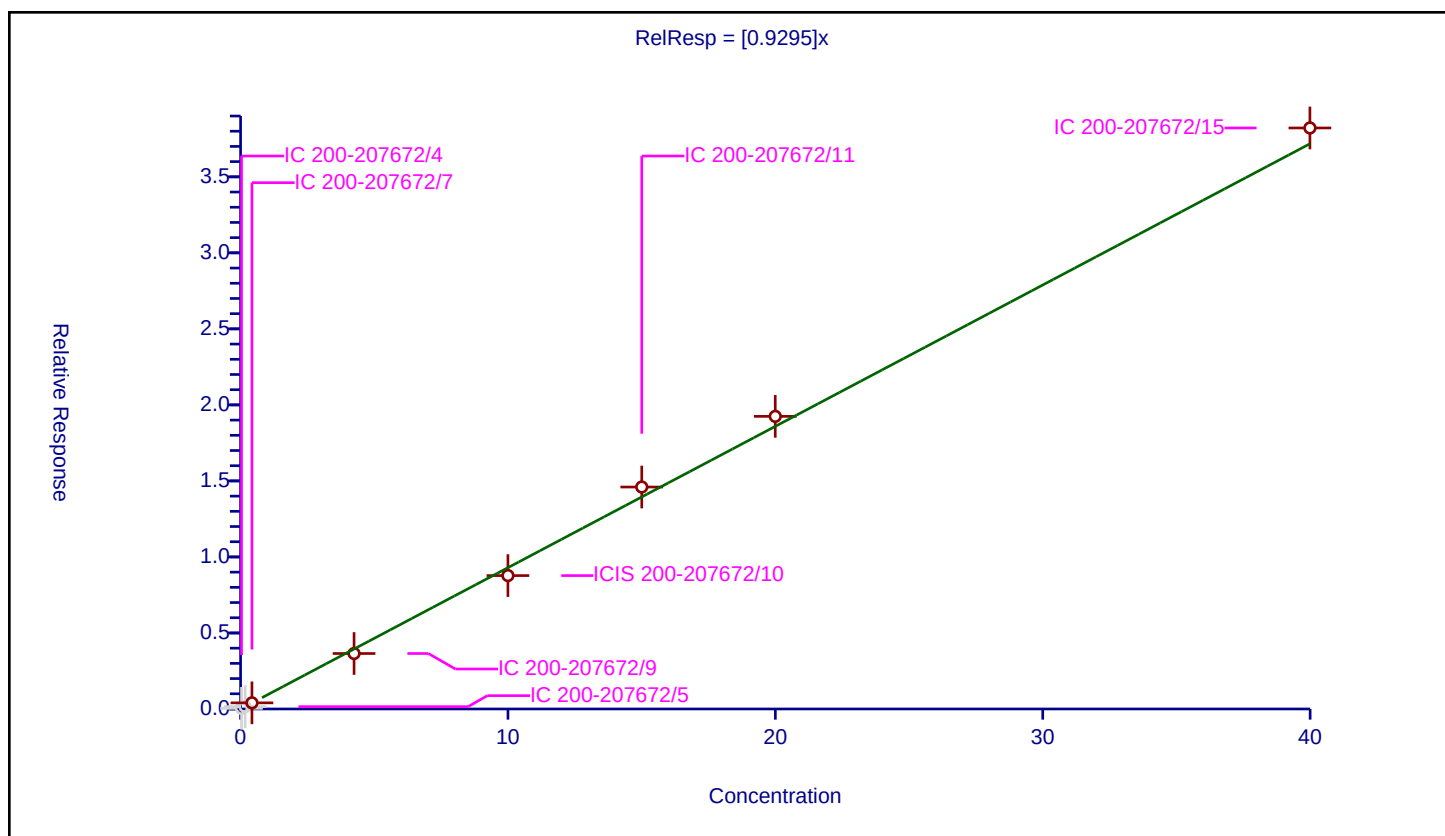
Curve Coefficients

Intercept: 0
 Slope: 0.9295

Error Coefficients

Relative Standard Deviation: 5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.043612	10.0	378109.0	1.243317	N
2	IC 200-207672/5	0.170374	0.154334	10.0	365442.0	0.905854	N
3	IC 200-207672/7	0.425385	0.40344	10.0	310430.0	0.948413	Y
4	IC 200-207672/9	4.243678	3.649682	10.0	356368.0	0.860028	Y
5	ICIS 200-207672/10	9.99806	8.773856	10.0	375486.0	0.877556	Y
6	IC 200-207672/11	15.003557	14.599157	10.0	383429.0	0.973046	Y
7	IC 200-207672/14	19.99612	19.246404	10.0	370331.0	0.962507	Y
8	IC 200-207672/15	39.99224	38.214258	10.0	424311.0	0.955542	Y



Calibration

/ N-Propylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

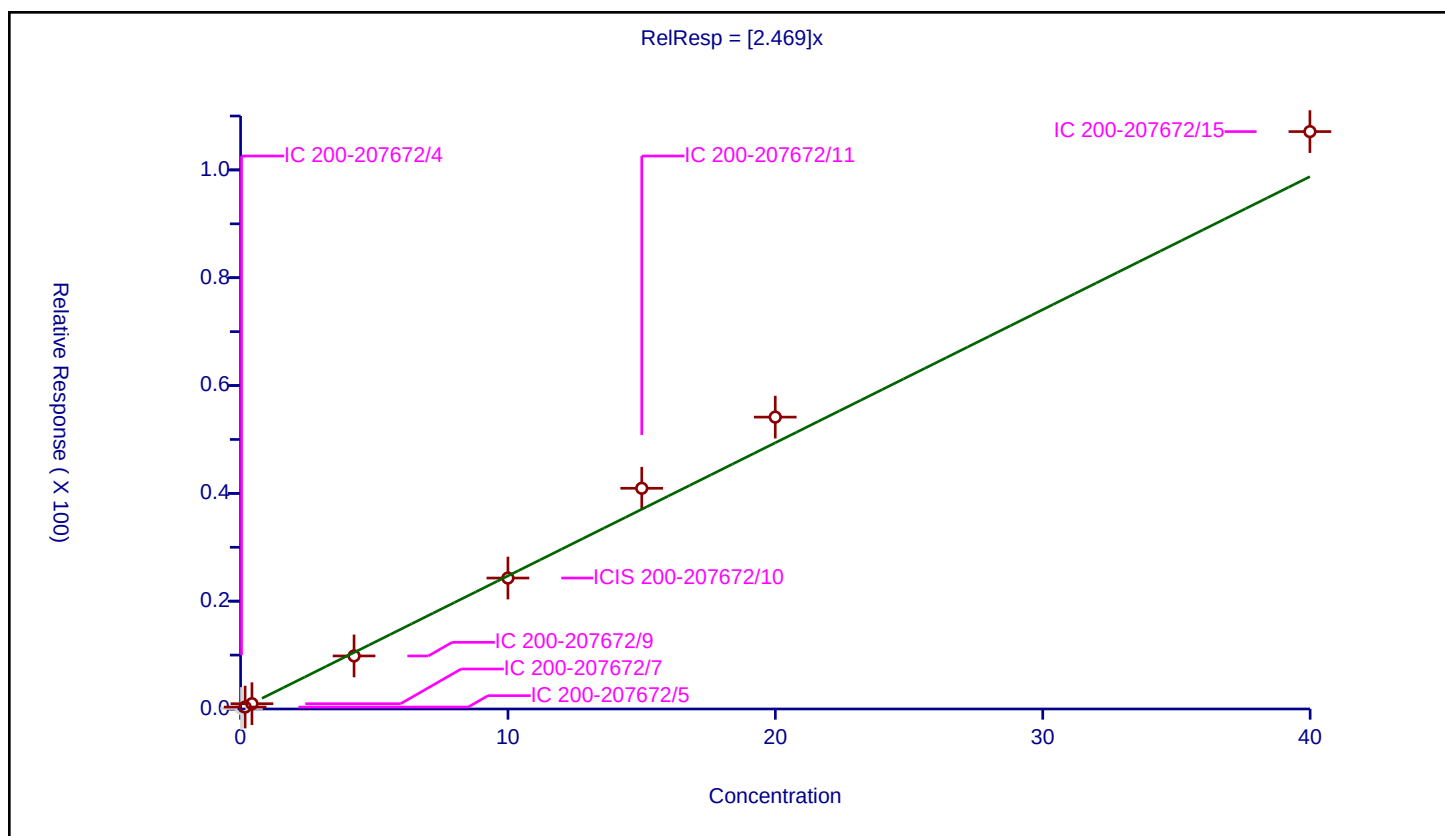
Curve Coefficients

Intercept: 0
Slope: 2.469

Error Coefficients

Relative Standard Deviation: 9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.092011	10.0	378109.0	2.623105	N
2	IC 200-207672/5	0.170374	0.36003	10.0	365442.0	2.113177	Y
3	IC 200-207672/7	0.425385	0.982315	10.0	310430.0	2.309239	Y
4	IC 200-207672/9	4.243678	9.839913	10.0	356368.0	2.318722	Y
5	ICIS 200-207672/10	9.99806	24.2898	10.0	375486.0	2.429451	Y
6	IC 200-207672/11	15.003557	40.942417	10.0	383429.0	2.728847	Y
7	IC 200-207672/14	19.99612	54.143752	10.0	370331.0	2.707713	Y
8	IC 200-207672/15	39.99224	107.109856	10.0	424311.0	2.678266	Y



Calibration

/ 2-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

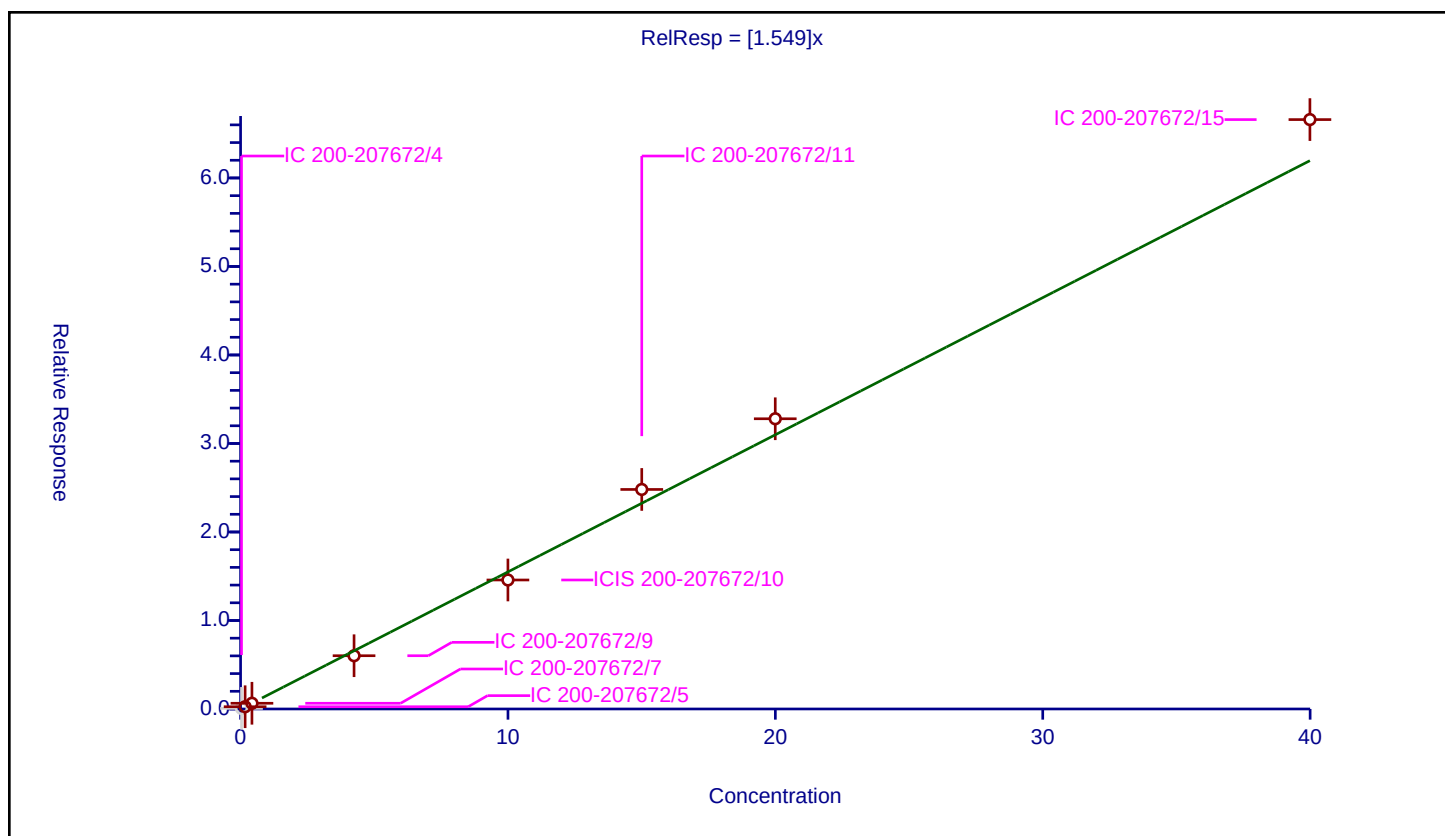
Curve Coefficients

Intercept: 0
Slope: 1.549

Error Coefficients

Relative Standard Deviation: 6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.068076	10.0	378109.0	1.940751	N
2	IC 200-207672/5	0.170374	0.253665	10.0	365442.0	1.488877	Y
3	IC 200-207672/7	0.425385	0.646974	10.0	310430.0	1.520914	Y
4	IC 200-207672/9	4.243678	6.018217	10.0	356368.0	1.41816	Y
5	ICIS 200-207672/10	9.99806	14.577002	10.0	375486.0	1.457983	Y
6	IC 200-207672/11	15.003557	24.804045	10.0	383429.0	1.653211	Y
7	IC 200-207672/14	19.99612	32.793258	10.0	370331.0	1.639981	Y
8	IC 200-207672/15	39.99224	66.596954	10.0	424311.0	1.665247	Y



Calibration

/ 4-Ethyltoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

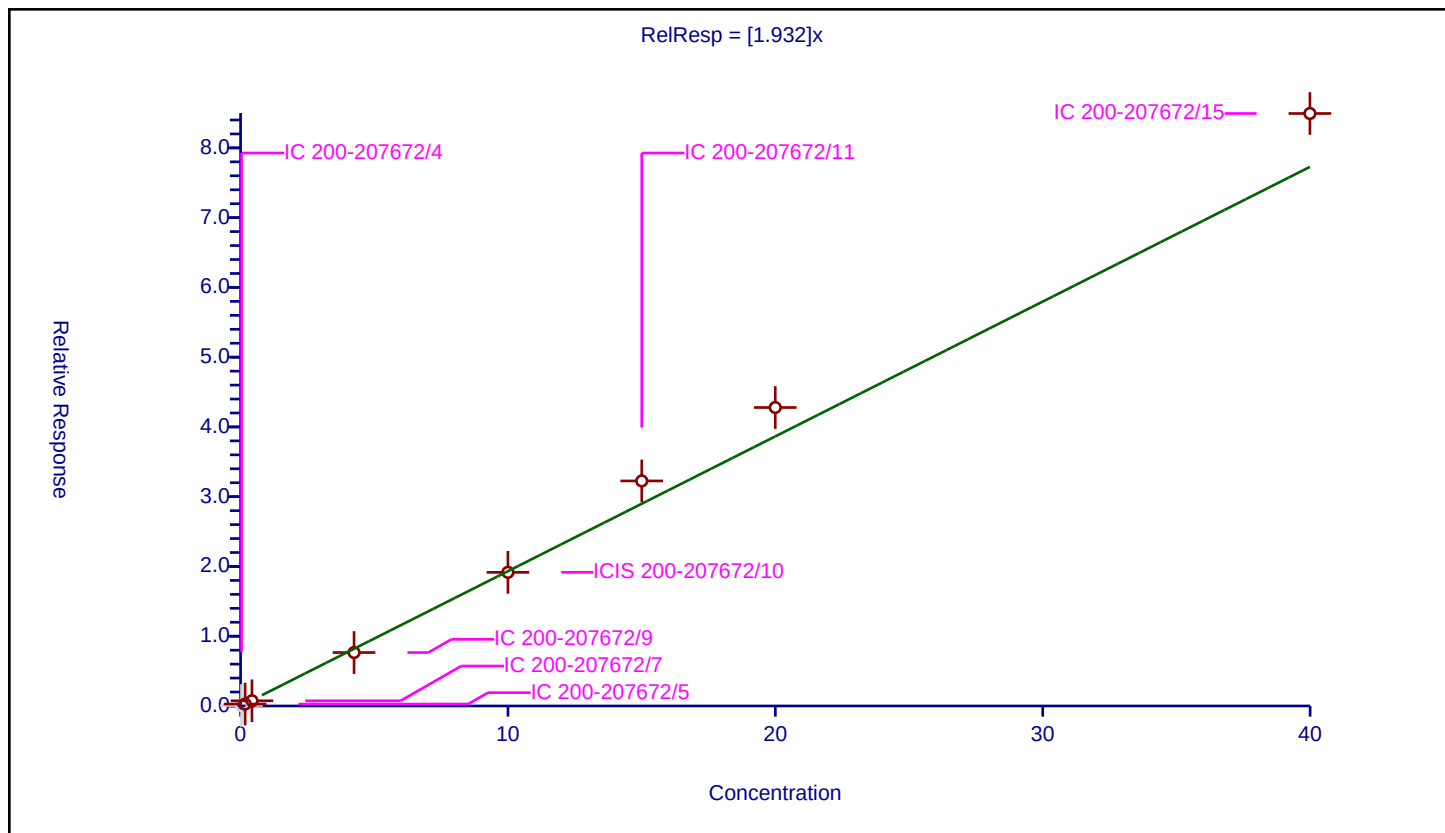
Curve Coefficients

Intercept: 0
Slope: 1.932

Error Coefficients

Relative Standard Deviation: 10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.071249	10.0	378109.0	2.031229	N
2	IC 200-207672/5	0.170374	0.277801	10.0	365442.0	1.630537	Y
3	IC 200-207672/7	0.425385	0.748832	10.0	310430.0	1.760365	Y
4	IC 200-207672/9	4.243678	7.663707	10.0	356368.0	1.805911	Y
5	ICIS 200-207672/10	9.99806	19.158424	10.0	375486.0	1.916214	Y
6	IC 200-207672/11	15.003557	32.259636	10.0	383429.0	2.150133	Y
7	IC 200-207672/14	19.99612	42.784401	10.0	370331.0	2.139635	Y
8	IC 200-207672/15	39.99224	84.930016	10.0	424311.0	2.123662	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

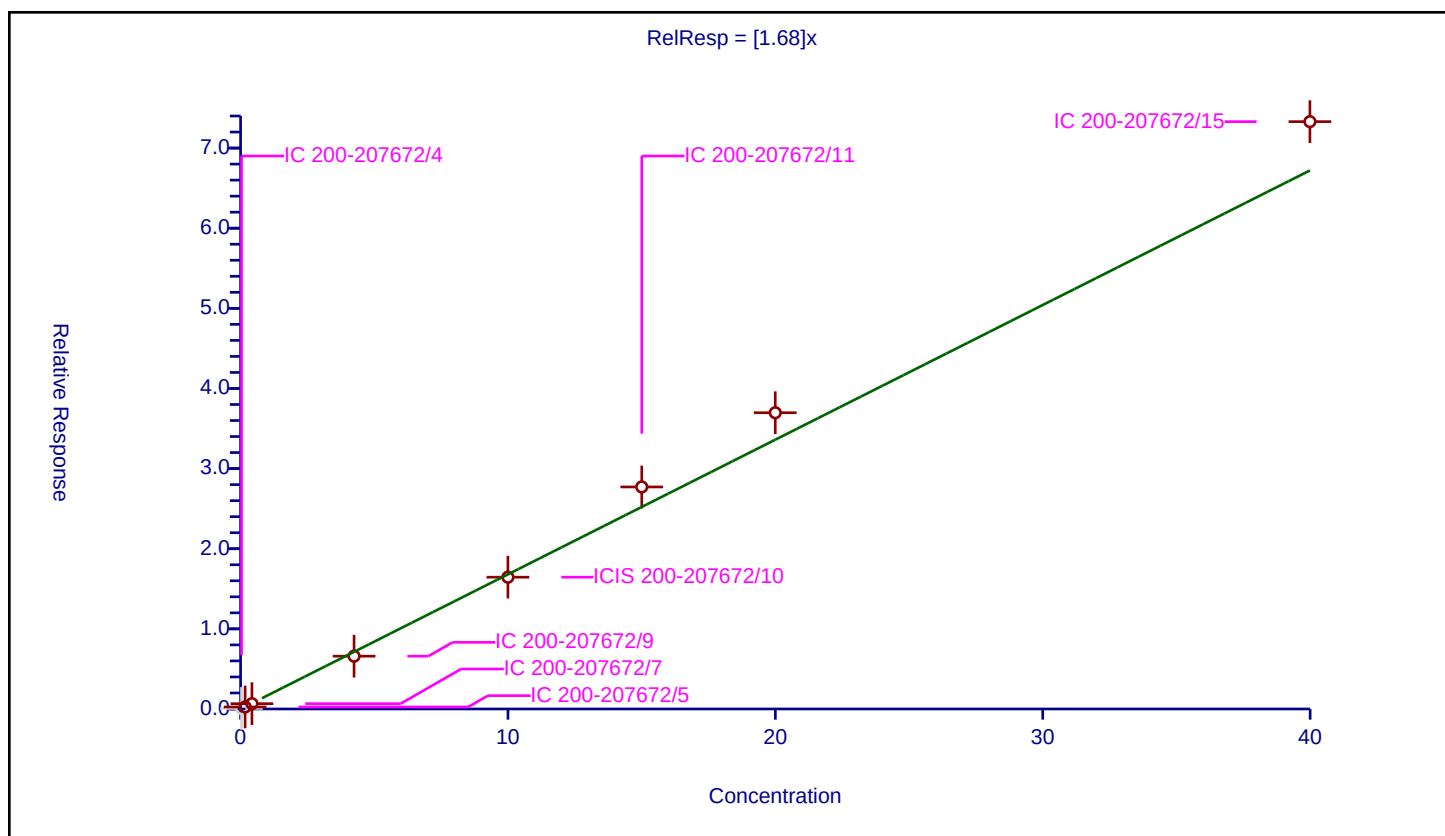
Curve Coefficients

Intercept: 0
Slope: 1.68

Error Coefficients

Relative Standard Deviation: 9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.0699	10.0	378109.0	1.992776	N
2	IC 200-207672/5	0.170374	0.251887	10.0	365442.0	1.478437	Y
3	IC 200-207672/7	0.425385	0.662887	10.0	310430.0	1.558323	Y
4	IC 200-207672/9	4.243678	6.589621	10.0	356368.0	1.552809	Y
5	ICIS 200-207672/10	9.99806	16.446552	10.0	375486.0	1.644974	Y
6	IC 200-207672/11	15.003557	27.710215	10.0	383429.0	1.84691	Y
7	IC 200-207672/14	19.99612	36.972492	10.0	370331.0	1.848983	Y
8	IC 200-207672/15	39.99224	73.29784	10.0	424311.0	1.832802	Y



Calibration

/ n-Decane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

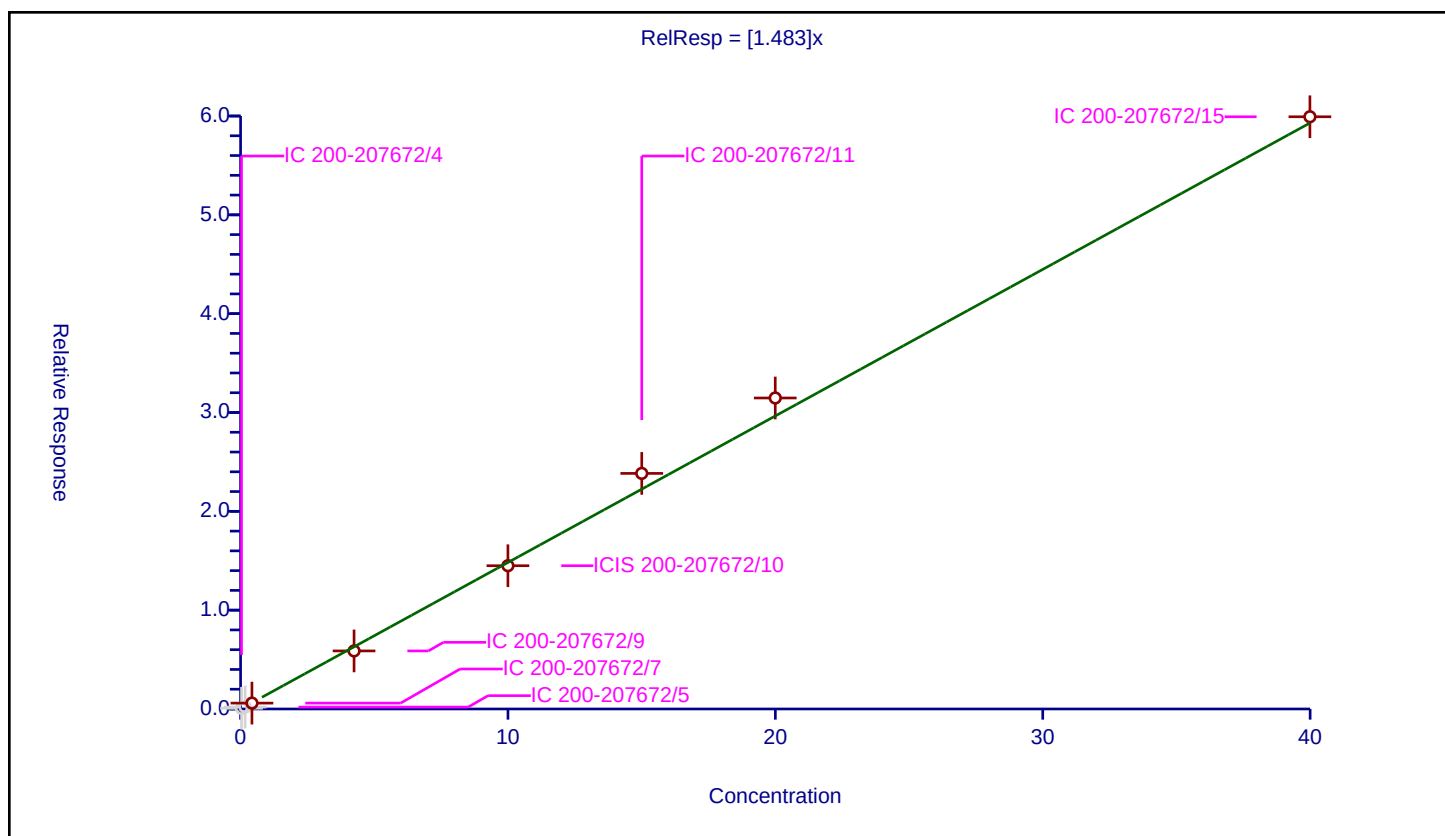
Curve Coefficients

Intercept: 0
Slope: 1.483

Error Coefficients

Relative Standard Deviation: 5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.073048	10.0	378109.0	2.0825	N
2	IC 200-207672/5	0.170374	0.193328	10.0	365442.0	1.134726	N
3	IC 200-207672/7	0.425385	0.595754	10.0	310430.0	1.400507	Y
4	IC 200-207672/9	4.243678	5.874349	10.0	356368.0	1.384259	Y
5	ICIS 200-207672/10	9.99806	14.496892	10.0	375486.0	1.449971	Y
6	IC 200-207672/11	15.003557	23.83912	10.0	383429.0	1.588898	Y
7	IC 200-207672/14	19.99612	31.468686	10.0	370331.0	1.57374	Y
8	IC 200-207672/15	39.99224	59.92522	10.0	424311.0	1.498421	Y



Calibration

/ Alpha Methyl Styrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

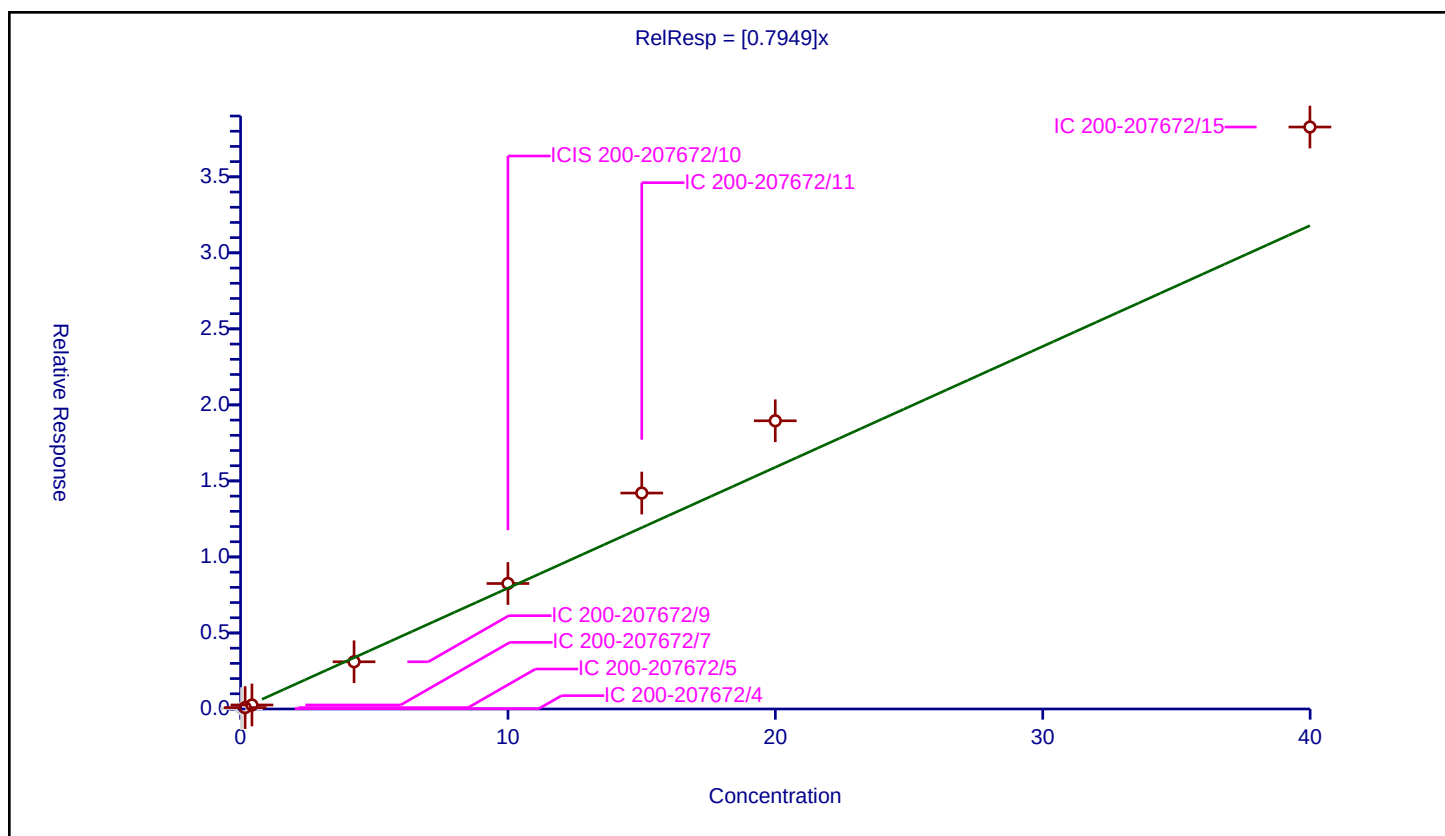
Curve Coefficients

Intercept: 0
 Slope: 0.7949

Error Coefficients

Relative Standard Deviation: 21.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.022798	10.0	378109.0	0.649933	N
2	IC 200-207672/5	0.170374	0.091478	10.0	365442.0	0.536927	Y
3	IC 200-207672/7	0.425385	0.263248	10.0	310430.0	0.618846	Y
4	IC 200-207672/9	4.243678	3.104768	10.0	356368.0	0.731622	Y
5	ICIS 200-207672/10	9.99806	8.252851	10.0	375486.0	0.825445	Y
6	IC 200-207672/11	15.003557	14.201404	10.0	383429.0	0.946536	Y
7	IC 200-207672/14	19.99612	18.9548	10.0	370331.0	0.947924	Y
8	IC 200-207672/15	39.99224	38.275581	10.0	424311.0	0.957075	Y



Calibration

/ tert-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

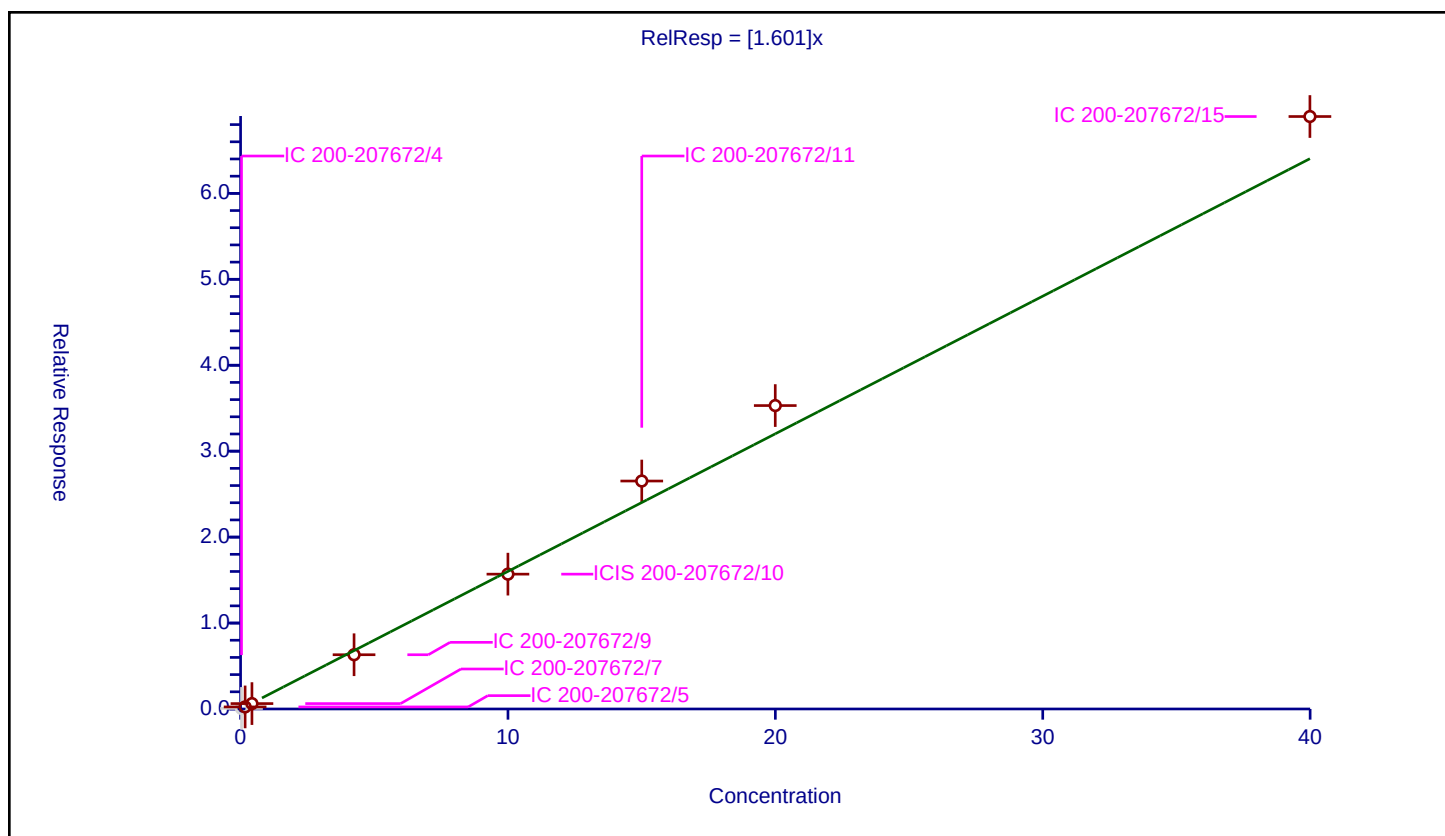
Curve Coefficients

Intercept: 0
Slope: 1.601

Error Coefficients

Relative Standard Deviation: 9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.065246	10.0	378109.0	1.860075	N
2	IC 200-207672/5	0.170374	0.241817	10.0	365442.0	1.419331	Y
3	IC 200-207672/7	0.425385	0.627356	10.0	310430.0	1.474796	Y
4	IC 200-207672/9	4.243678	6.312464	10.0	356368.0	1.487498	Y
5	ICIS 200-207672/10	9.99806	15.688841	10.0	375486.0	1.569189	Y
6	IC 200-207672/11	15.003557	26.526971	10.0	383429.0	1.768045	Y
7	IC 200-207672/14	19.99612	35.306253	10.0	370331.0	1.765655	Y
8	IC 200-207672/15	39.99224	68.941272	10.0	424311.0	1.723866	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

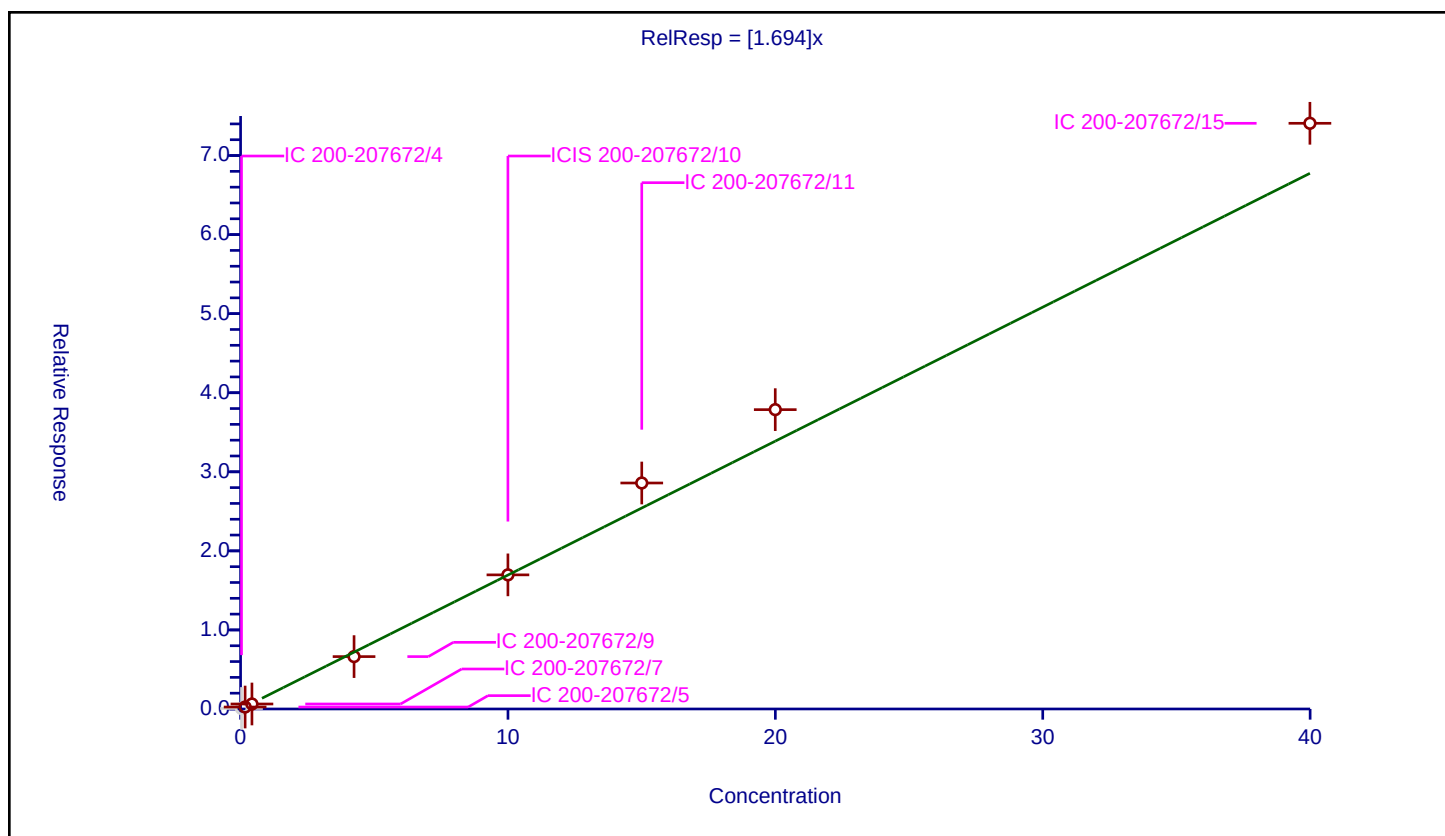
Curve Coefficients

Intercept: 0
 Slope: 1.694

Error Coefficients

Relative Standard Deviation: 11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.064875	10.0	378109.0	1.849519	N
2	IC 200-207672/5	0.170374	0.24915	10.0	365442.0	1.462375	Y
3	IC 200-207672/7	0.425385	0.6328	10.0	310430.0	1.487594	Y
4	IC 200-207672/9	4.243678	6.62683	10.0	356368.0	1.561577	Y
5	ICIS 200-207672/10	9.99806	16.963029	10.0	375486.0	1.696632	Y
6	IC 200-207672/11	15.003557	28.58258	10.0	383429.0	1.905054	Y
7	IC 200-207672/14	19.99612	37.861103	10.0	370331.0	1.893422	Y
8	IC 200-207672/15	39.99224	74.079248	10.0	424311.0	1.852341	Y



Calibration

/ sec-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

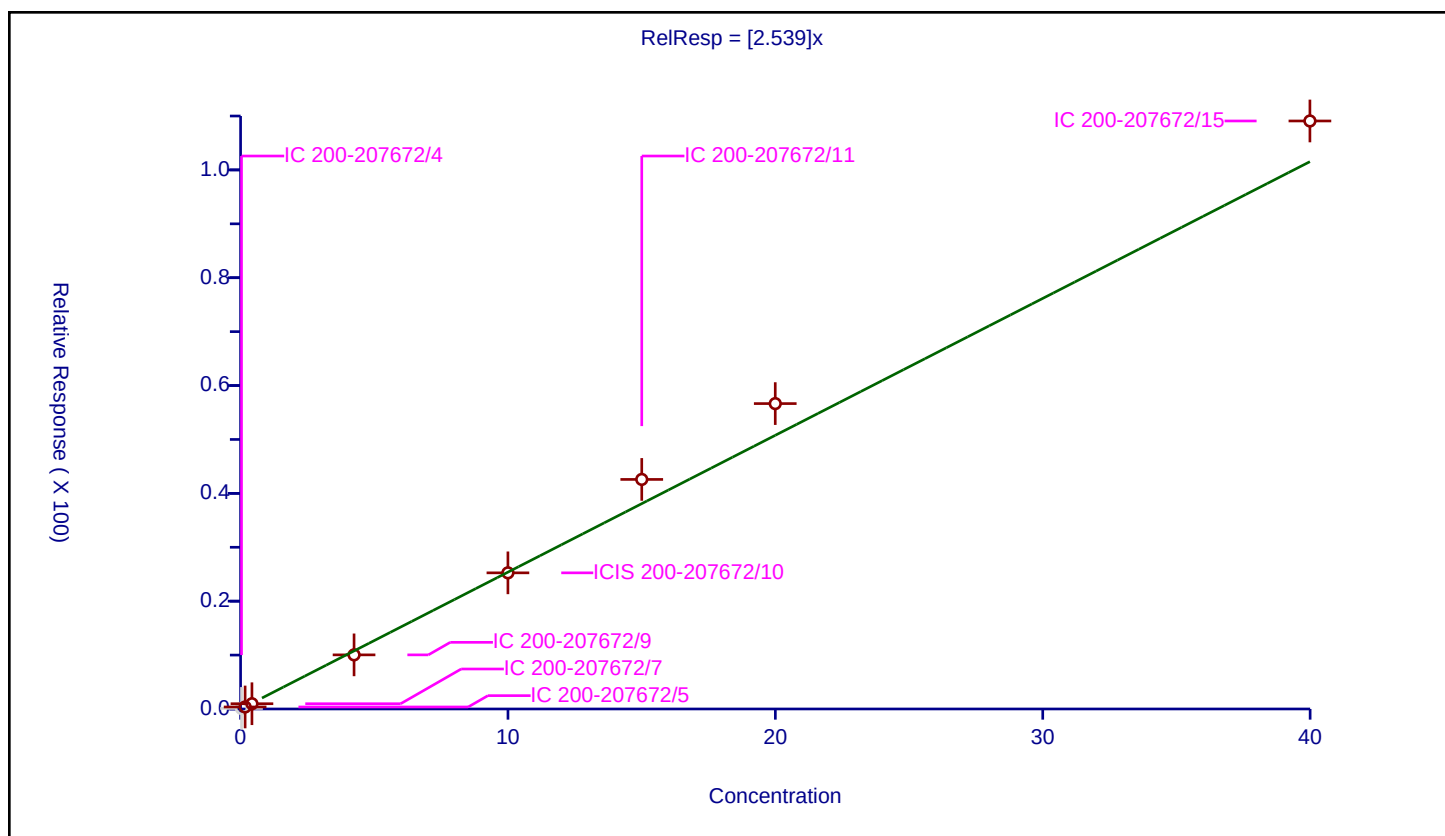
Curve Coefficients

Intercept: 0
Slope: 2.539

Error Coefficients

Relative Standard Deviation: 10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.104494	10.0	378109.0	2.978985	N
2	IC 200-207672/5	0.170374	0.372617	10.0	365442.0	2.187058	Y
3	IC 200-207672/7	0.425385	0.975969	10.0	310430.0	2.29432	Y
4	IC 200-207672/9	4.243678	10.038471	10.0	356368.0	2.365512	Y
5	ICIS 200-207672/10	9.99806	25.255562	10.0	375486.0	2.526046	Y
6	IC 200-207672/11	15.003557	42.583268	10.0	383429.0	2.838212	Y
7	IC 200-207672/14	19.99612	56.650969	10.0	370331.0	2.833098	Y
8	IC 200-207672/15	39.99224	109.078648	10.0	424311.0	2.727495	Y



Calibration

/ 1,3-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

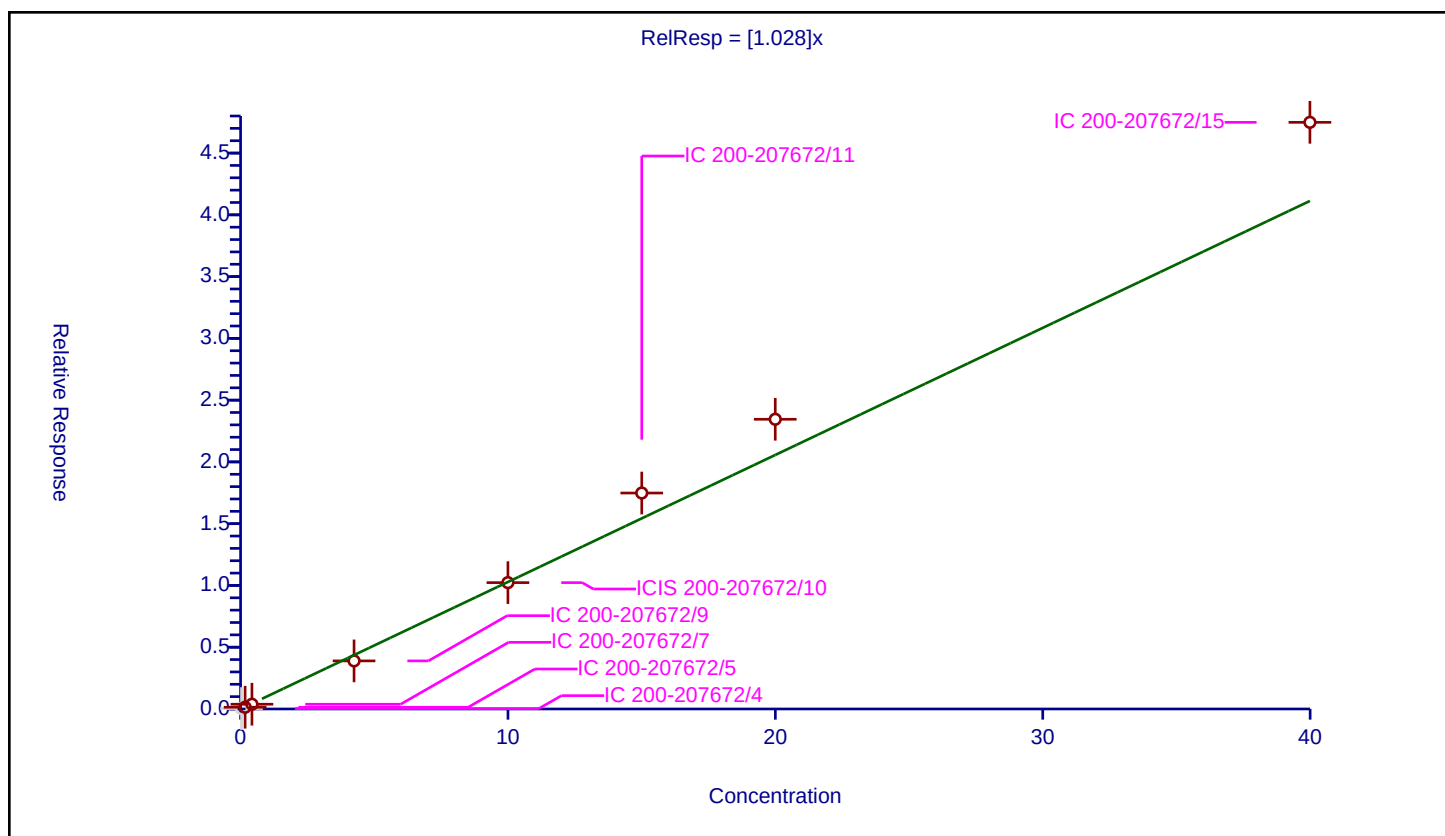
Curve Coefficients

Intercept: 0
Slope: 1.028

Error Coefficients

Relative Standard Deviation: 14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.032372	10.0	378109.0	0.922875	N
2	IC 200-207672/5	0.170374	0.141117	10.0	365442.0	0.828278	Y
3	IC 200-207672/7	0.425385	0.384499	10.0	310430.0	0.903885	Y
4	IC 200-207672/9	4.243678	3.894093	10.0	356368.0	0.917622	Y
5	ICIS 200-207672/10	9.99806	10.228104	10.0	375486.0	1.023009	Y
6	IC 200-207672/11	15.003557	17.482272	10.0	383429.0	1.165208	Y
7	IC 200-207672/14	19.99612	23.45256	10.0	370331.0	1.172856	Y
8	IC 200-207672/15	39.99224	47.488988	10.0	424311.0	1.187455	Y



Calibration

/ 4-Isopropyltoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

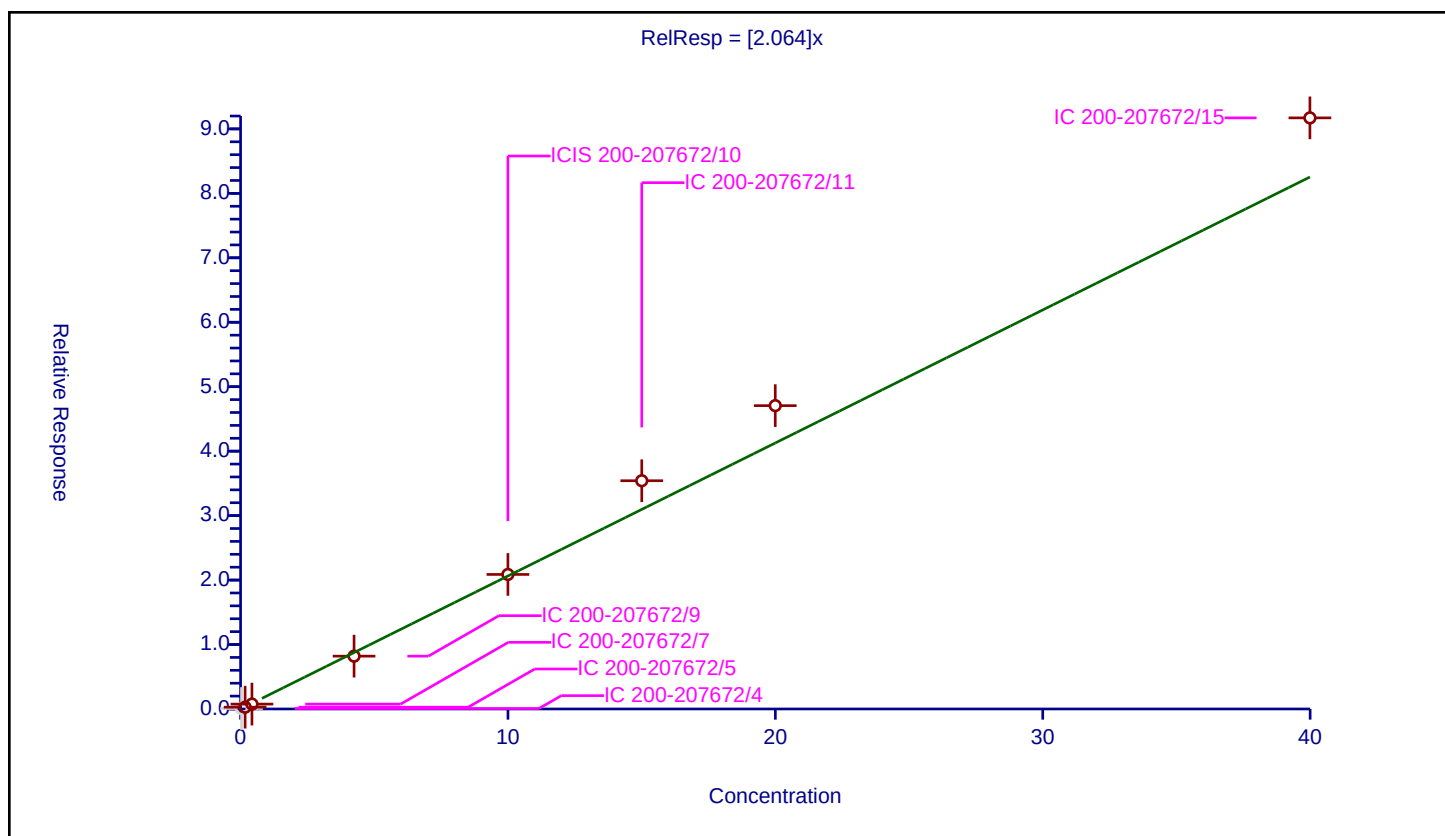
Curve Coefficients

Intercept: 0
 Slope: 2.064

Error Coefficients

Relative Standard Deviation: 14.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.070694	10.0	378109.0	2.015395	N
2	IC 200-207672/5	0.170374	0.278731	10.0	365442.0	1.635997	Y
3	IC 200-207672/7	0.425385	0.758496	10.0	310430.0	1.783083	Y
4	IC 200-207672/9	4.243678	8.19866	10.0	356368.0	1.93197	Y
5	ICIS 200-207672/10	9.99806	20.872869	10.0	375486.0	2.087692	Y
6	IC 200-207672/11	15.003557	35.413832	10.0	383429.0	2.360362	Y
7	IC 200-207672/14	19.99612	47.064437	10.0	370331.0	2.353678	Y
8	IC 200-207672/15	39.99224	91.709194	10.0	424311.0	2.293175	Y



Calibration

/ 1,4-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

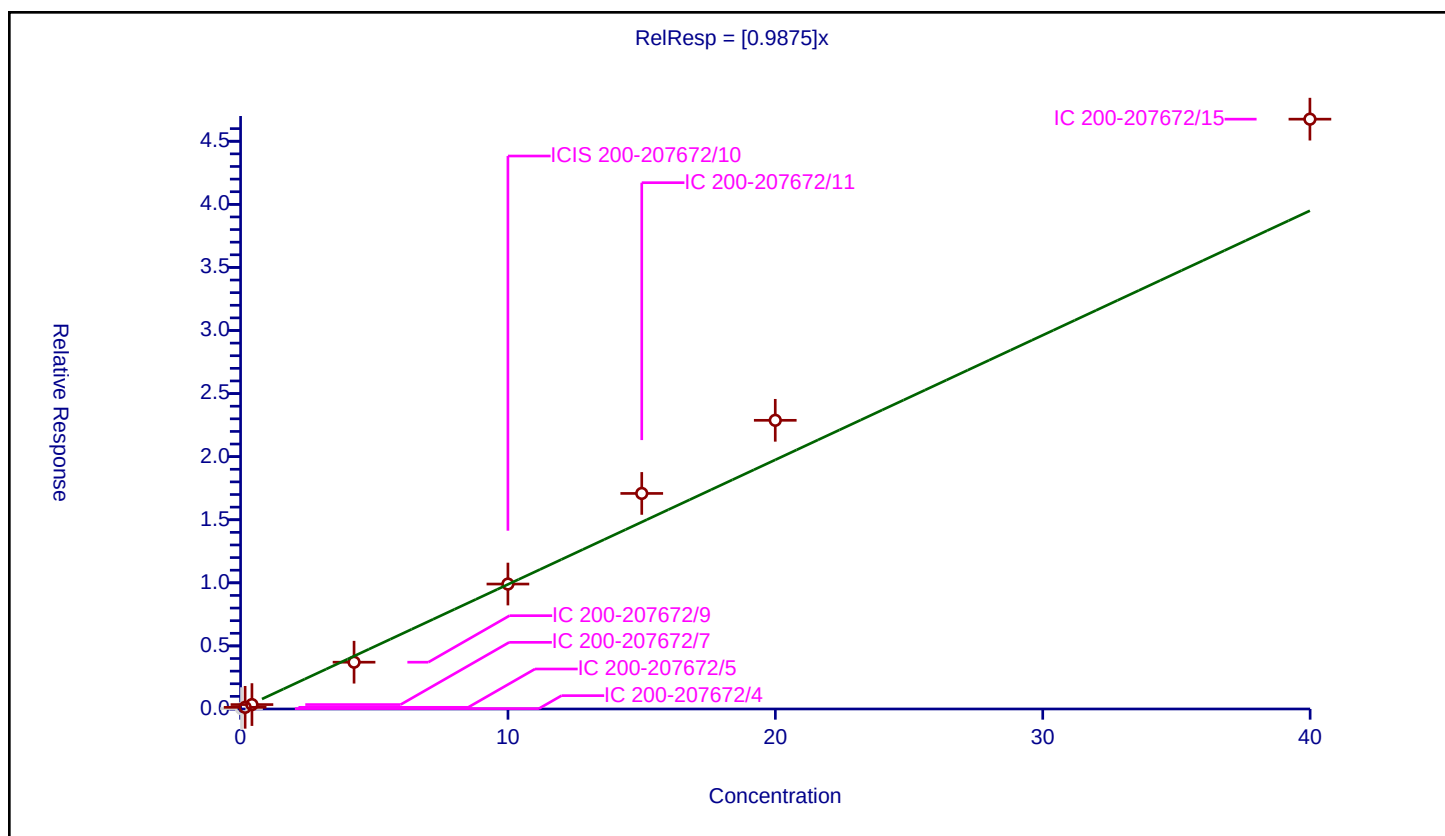
Curve Coefficients

Intercept: 0
 Slope: 0.9875

Error Coefficients

Relative Standard Deviation: 16.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.029621	10.0	378109.0	0.84446	N
2	IC 200-207672/5	0.170374	0.13195	10.0	365442.0	0.774473	Y
3	IC 200-207672/7	0.425385	0.34958	10.0	310430.0	0.821796	Y
4	IC 200-207672/9	4.243678	3.708975	10.0	356368.0	0.874	Y
5	ICIS 200-207672/10	9.99806	9.903911	10.0	375486.0	0.990583	Y
6	IC 200-207672/11	15.003557	17.085249	10.0	383429.0	1.138747	Y
7	IC 200-207672/14	19.99612	22.88018	10.0	370331.0	1.144231	Y
8	IC 200-207672/15	39.99224	46.75151	10.0	424311.0	1.169015	Y



Calibration

/ Benzyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

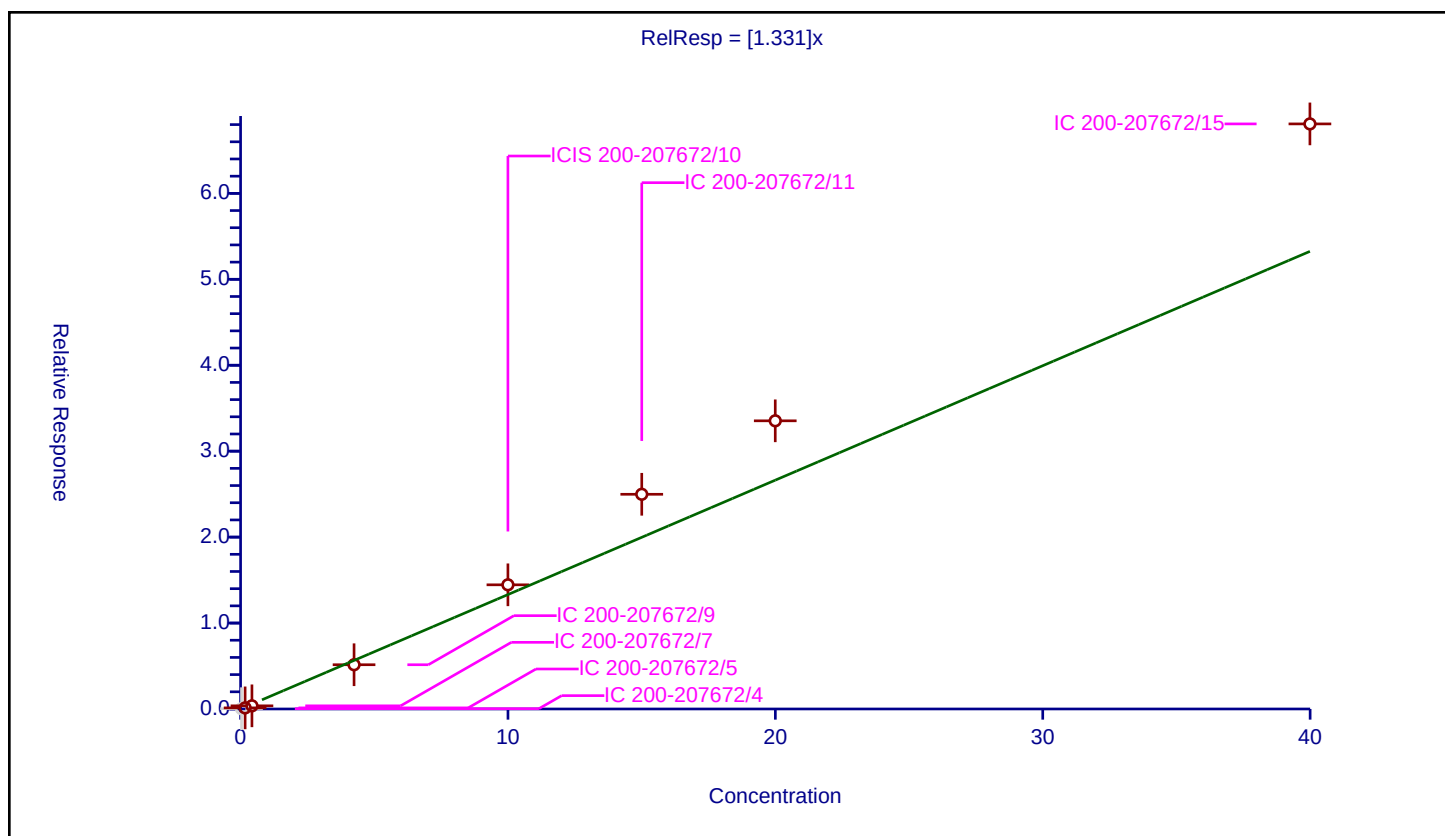
Curve Coefficients

Intercept: 0
Slope: 1.331

Error Coefficients

Relative Standard Deviation: 29.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.035863	10.0	378109.0	1.0224	N
2	IC 200-207672/5	0.170374	0.127873	10.0	365442.0	0.750542	Y
3	IC 200-207672/7	0.425385	0.368747	10.0	310430.0	0.866854	Y
4	IC 200-207672/9	4.243678	5.148386	10.0	356368.0	1.213189	Y
5	ICIS 200-207672/10	9.99806	14.450446	10.0	375486.0	1.445325	Y
6	IC 200-207672/11	15.003557	24.984365	10.0	383429.0	1.665229	Y
7	IC 200-207672/14	19.99612	33.531111	10.0	370331.0	1.676881	Y
8	IC 200-207672/15	39.99224	68.080983	10.0	424311.0	1.702355	Y



Calibration

/ n-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

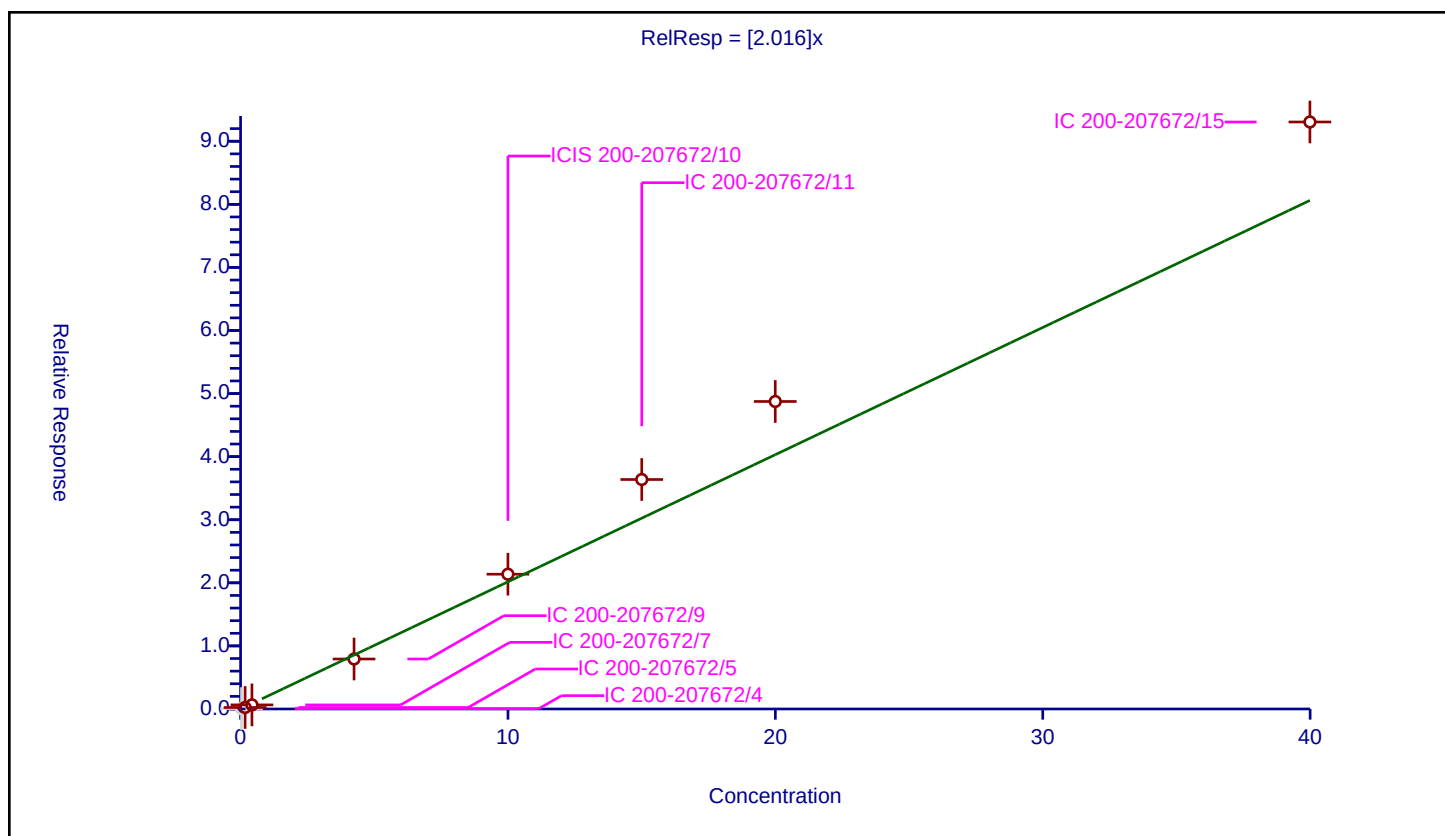
Curve Coefficients

Intercept: 0
 Slope: 2.016

Error Coefficients

Relative Standard Deviation: 21.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.060274	10.0	378109.0	1.718326	N
2	IC 200-207672/5	0.170374	0.23763	10.0	365442.0	1.394758	Y
3	IC 200-207672/7	0.425385	0.647779	10.0	310430.0	1.522807	Y
4	IC 200-207672/9	4.243678	7.924617	10.0	356368.0	1.867393	Y
5	ICIS 200-207672/10	9.99806	21.367721	10.0	375486.0	2.137187	Y
6	IC 200-207672/11	15.003557	36.375861	10.0	383429.0	2.424482	Y
7	IC 200-207672/14	19.99612	48.745177	10.0	370331.0	2.437732	Y
8	IC 200-207672/15	39.99224	93.051606	10.0	424311.0	2.326742	Y



Calibration

/ 1,2-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

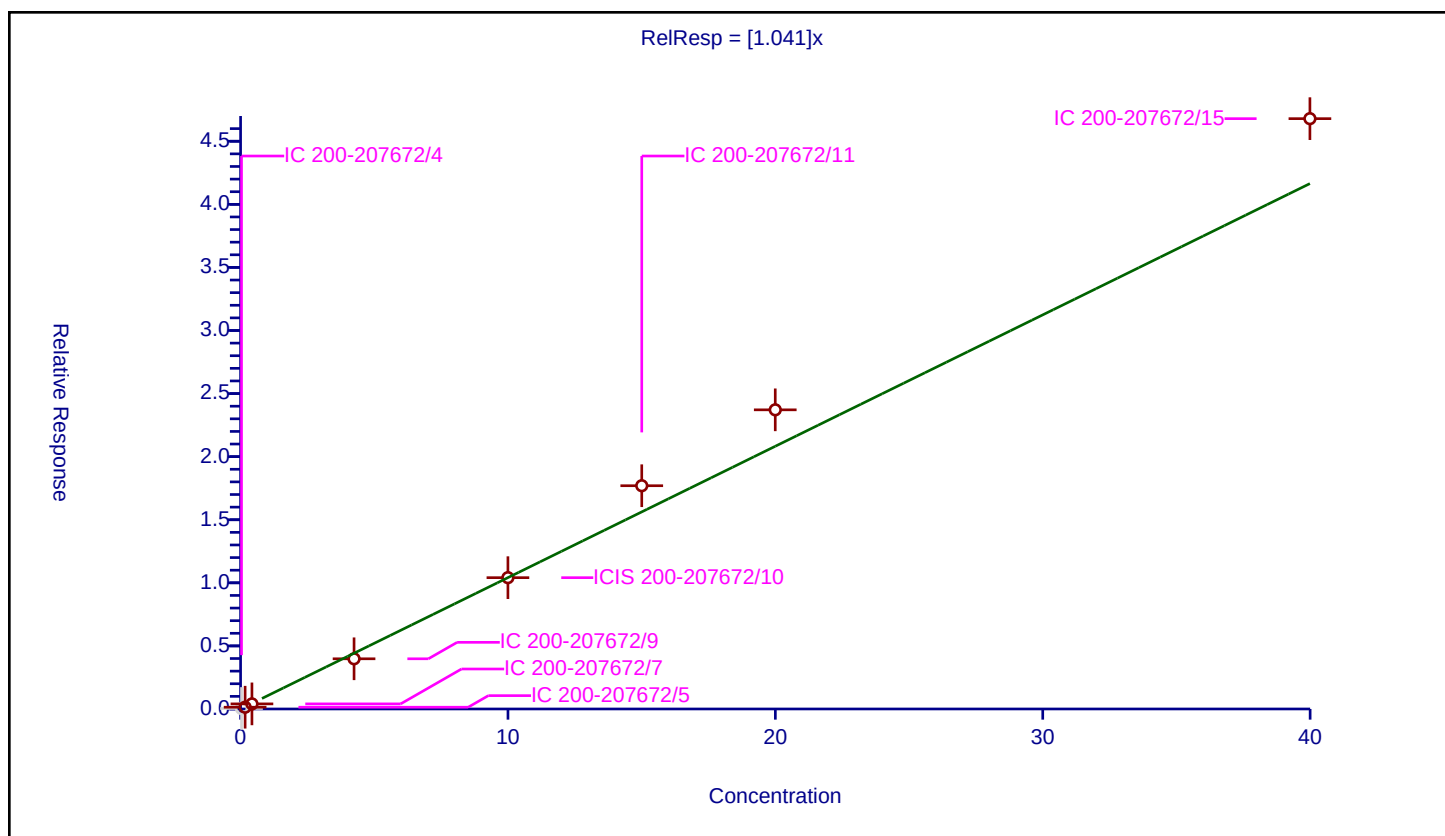
Curve Coefficients

Intercept: 0
Slope: 1.041

Error Coefficients

Relative Standard Deviation: 13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.039618	10.0	378109.0	1.129466	N
2	IC 200-207672/5	0.170374	0.140706	10.0	365442.0	0.825869	Y
3	IC 200-207672/7	0.425385	0.403763	10.0	310430.0	0.94917	Y
4	IC 200-207672/9	4.243678	3.978444	10.0	356368.0	0.937499	Y
5	ICIS 200-207672/10	9.99806	10.40907	10.0	375486.0	1.041109	Y
6	IC 200-207672/11	15.003557	17.695871	10.0	383429.0	1.179445	Y
7	IC 200-207672/14	19.99612	23.712922	10.0	370331.0	1.185876	Y
8	IC 200-207672/15	39.99224	46.79141	10.0	424311.0	1.170012	Y



Calibration

/ Undecane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

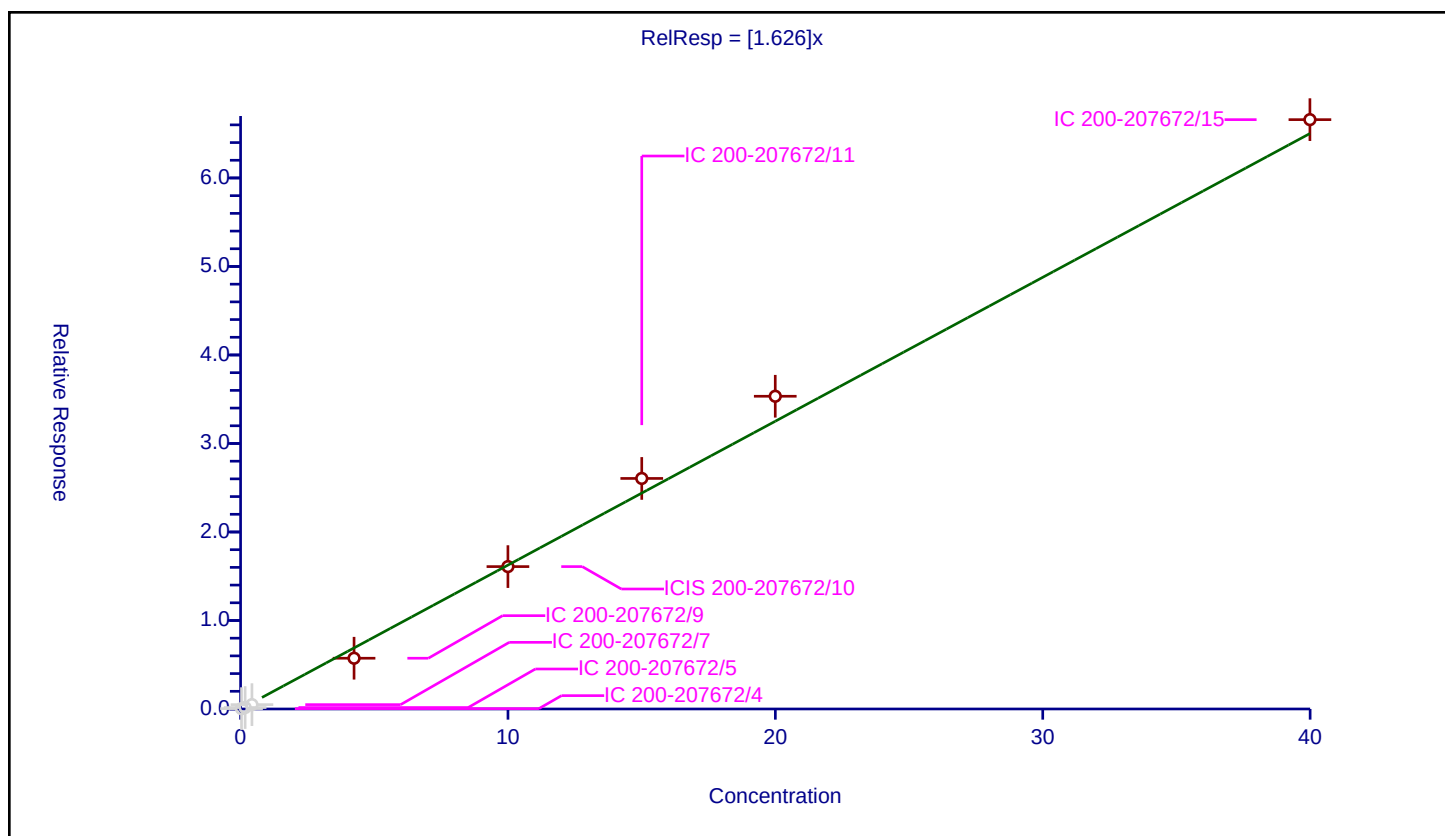
Curve Coefficients

Intercept: 0
Slope: 1.626

Error Coefficients

Relative Standard Deviation: 10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.041972	10.0	378109.0	1.19657	N
2	IC 200-207672/5	0.170374	0.165662	10.0	365442.0	0.972347	N
3	IC 200-207672/7	0.425385	0.491608	10.0	310430.0	1.15568	N
4	IC 200-207672/9	4.243678	5.735307	10.0	356368.0	1.351494	Y
5	ICIS 200-207672/10	9.99806	16.089628	10.0	375486.0	1.609275	Y
6	IC 200-207672/11	15.003557	26.049621	10.0	383429.0	1.73623	Y
7	IC 200-207672/14	19.99612	35.335929	10.0	370331.0	1.767139	Y
8	IC 200-207672/15	39.99224	66.588752	10.0	424311.0	1.665042	Y



Calibration

/ Dodecane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

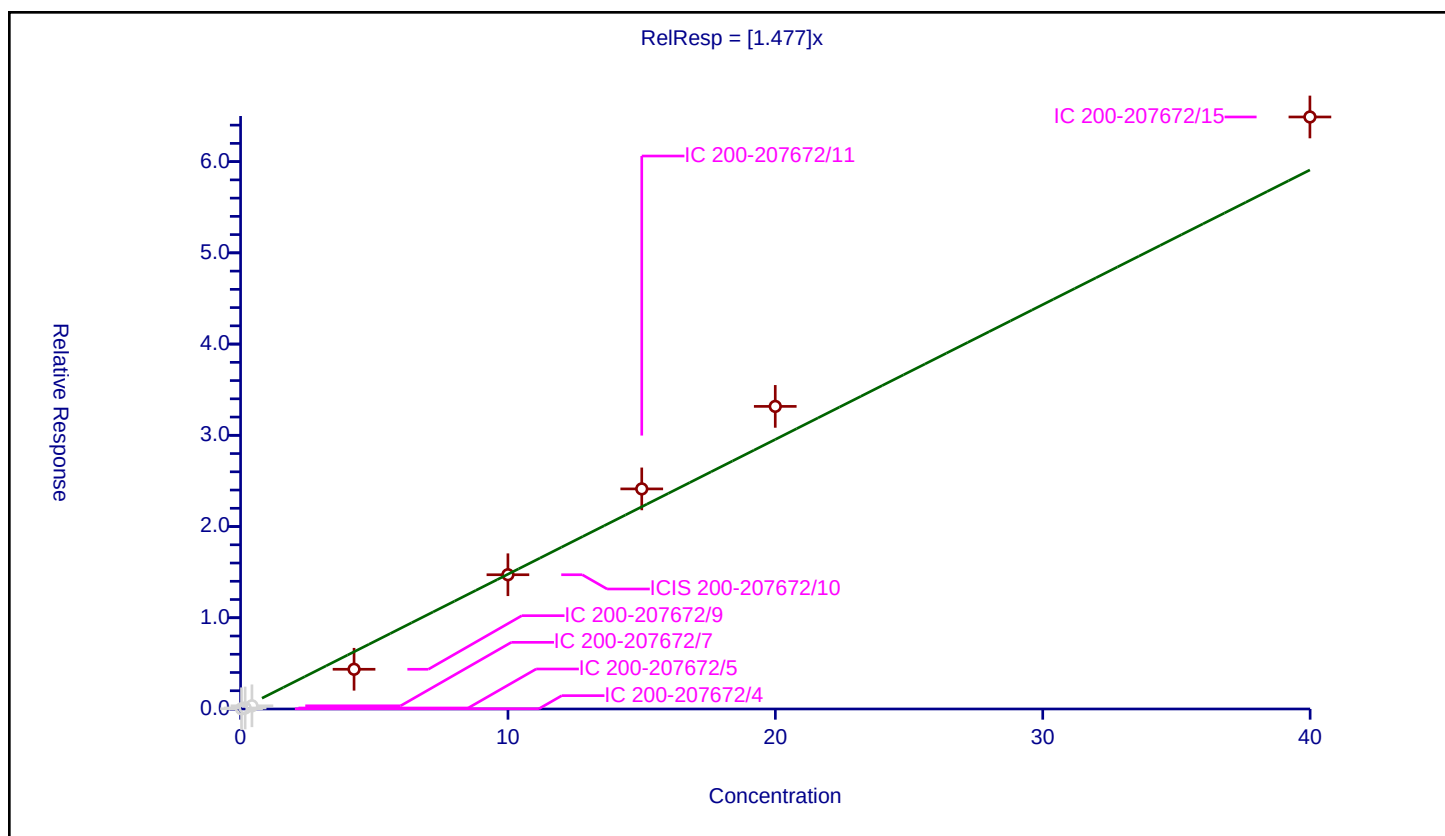
Curve Coefficients

Intercept: 0
Slope: 1.477

Error Coefficients

Relative Standard Deviation: 17.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.035077	0.024861	10.0	378109.0	0.708744	N
2	IC 200-207672/5	0.170374	0.108526	10.0	365442.0	0.636989	N
3	IC 200-207672/7	0.425385	0.349193	10.0	310430.0	0.820888	N
4	IC 200-207672/9	4.243678	4.352972	10.0	356368.0	1.025754	Y
5	ICIS 200-207672/10	9.99806	14.717113	10.0	375486.0	1.471997	Y
6	IC 200-207672/11	15.003557	24.126527	10.0	383429.0	1.608054	Y
7	IC 200-207672/14	19.99612	33.170083	10.0	370331.0	1.658826	Y
8	IC 200-207672/15	39.99224	64.894641	10.0	424311.0	1.622681	Y



Calibration

/ 1,2,4-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

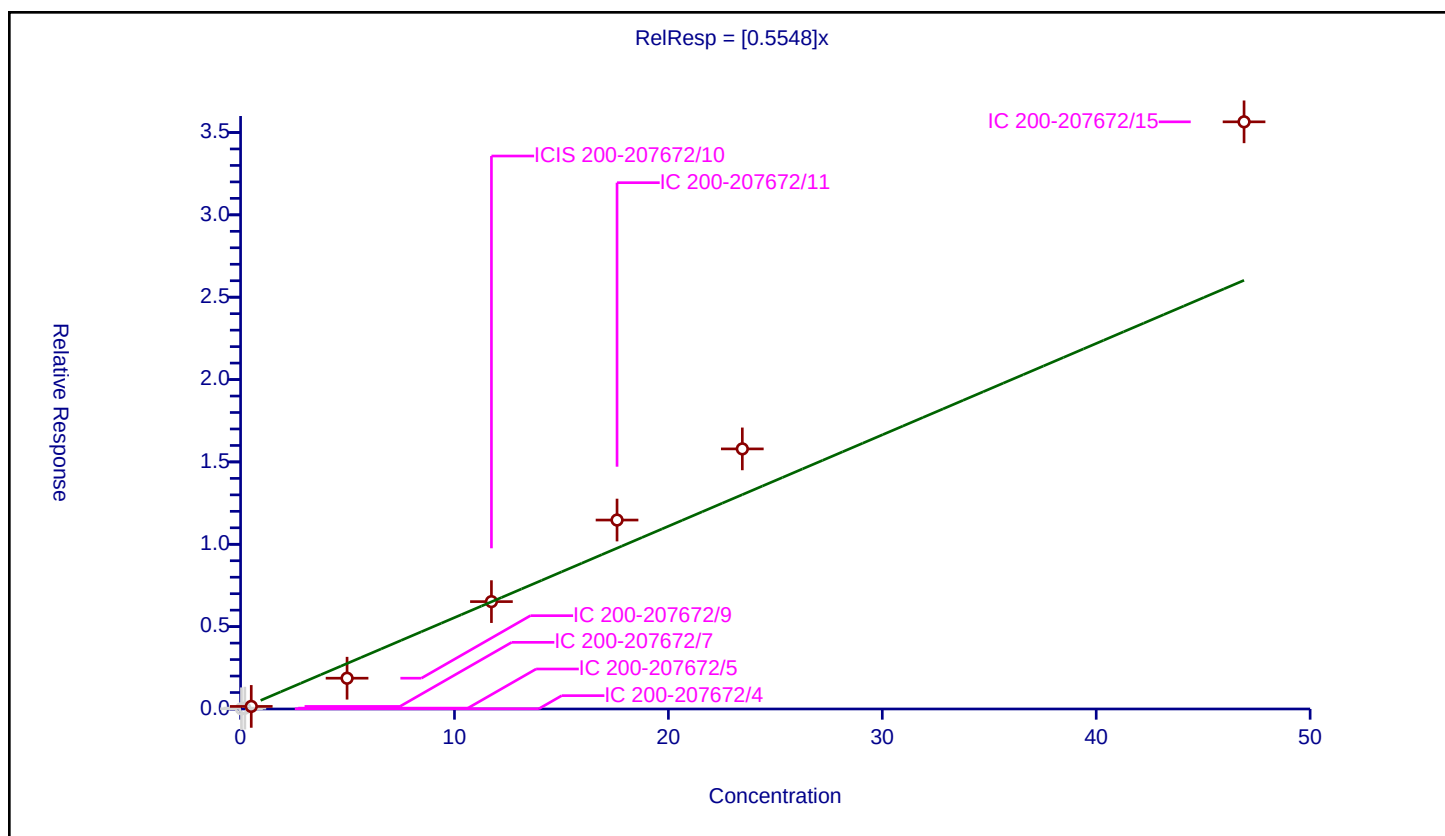
Curve Coefficients

Intercept: 0
 Slope: 0.5548

Error Coefficients

Relative Standard Deviation: 31.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.041145	0.013647	10.0	378109.0	0.331675	N
2	IC 200-207672/5	0.199848	0.052348	10.0	365442.0	0.261936	N
3	IC 200-207672/7	0.498976	0.155977	10.0	310430.0	0.312594	Y
4	IC 200-207672/9	4.977835	1.868265	10.0	356368.0	0.375317	Y
5	ICIS 200-207672/10	11.727724	6.519391	10.0	375486.0	0.555896	Y
6	IC 200-207672/11	17.599172	11.471511	10.0	383429.0	0.651821	Y
7	IC 200-207672/14	23.455448	15.790604	10.0	370331.0	0.673217	Y
8	IC 200-207672/15	46.910897	35.646778	10.0	424311.0	0.759883	Y



Calibration

/ Hexachlorobutadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

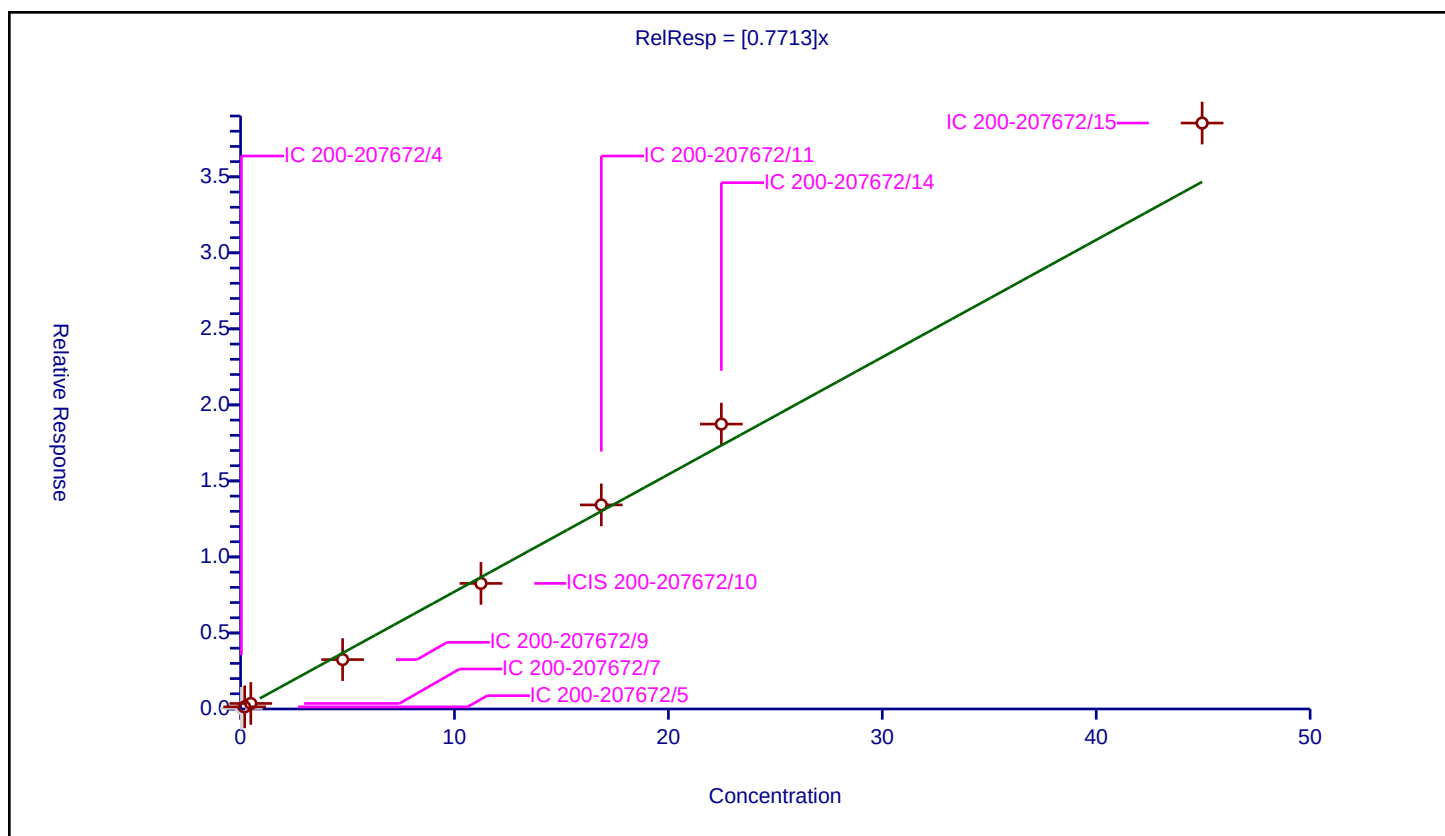
Curve Coefficients

Intercept: 0
Slope: 0.7713

Error Coefficients

Relative Standard Deviation: 8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.039426	0.040914	10.0	378109.0	1.037732	N
2	IC 200-207672/5	0.1915	0.140542	10.0	365442.0	0.733901	Y
3	IC 200-207672/7	0.478132	0.364237	10.0	310430.0	0.76179	Y
4	IC 200-207672/9	4.769895	3.248889	10.0	356368.0	0.681124	Y
5	ICIS 200-207672/10	11.237819	8.260654	10.0	375486.0	0.735076	Y
6	IC 200-207672/11	16.863998	13.42405	10.0	383429.0	0.796018	Y
7	IC 200-207672/14	22.475639	18.737616	10.0	370331.0	0.833686	Y
8	IC 200-207672/15	44.951277	38.536239	10.0	424311.0	0.857289	Y



Calibration

/ Naphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

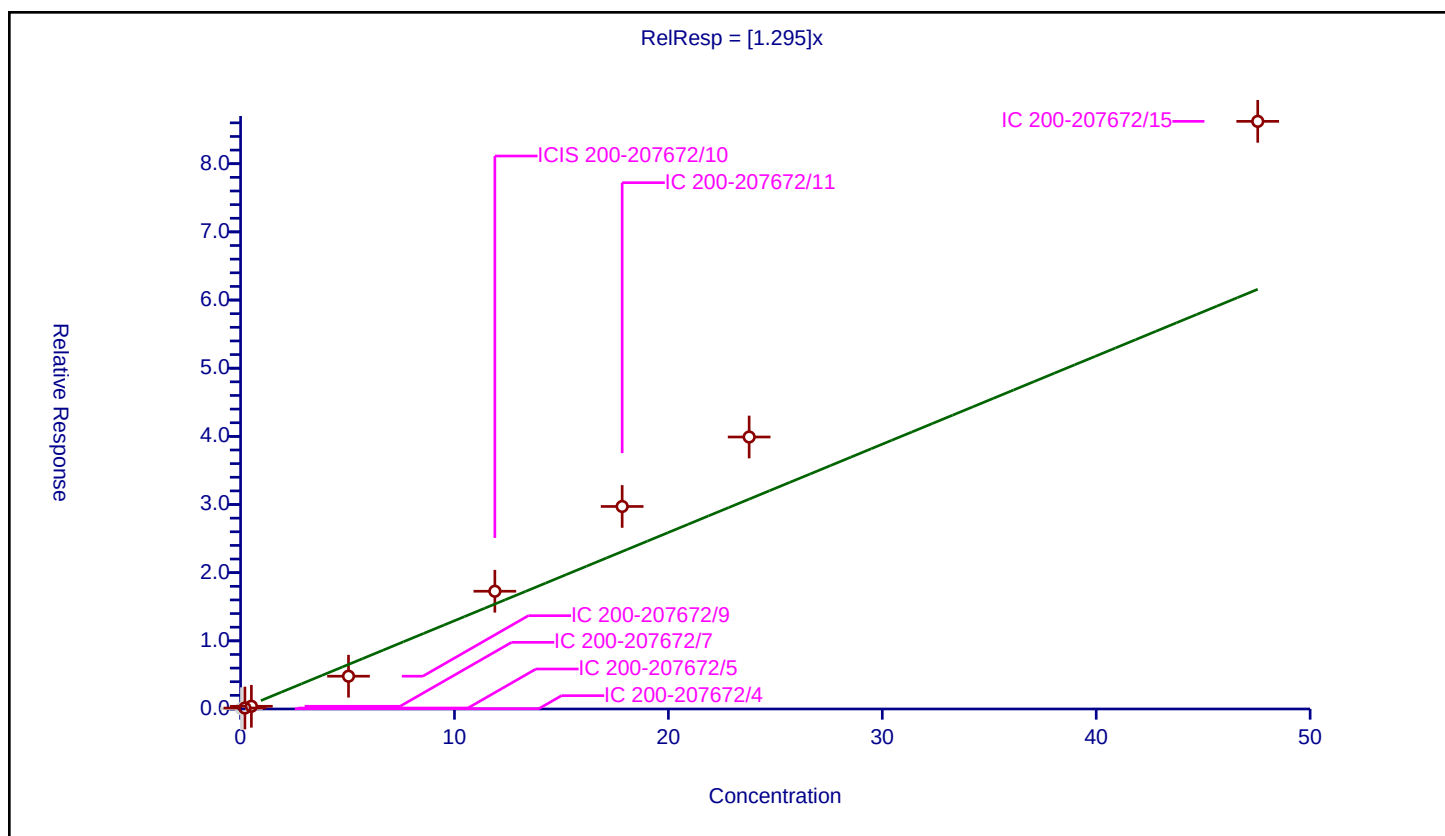
Curve Coefficients

Intercept: 0
Slope: 1.295

Error Coefficients

Relative Standard Deviation: 35.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.041706	0.049272	10.0	378109.0	1.181387	N
2	IC 200-207672/5	0.202574	0.144619	10.0	365442.0	0.713908	Y
3	IC 200-207672/7	0.505782	0.398254	10.0	310430.0	0.787402	Y
4	IC 200-207672/9	5.045734	4.810645	10.0	356368.0	0.953408	Y
5	ICIS 200-207672/10	11.887693	17.275664	10.0	375486.0	1.453239	Y
6	IC 200-207672/11	17.839229	29.712854	10.0	383429.0	1.665591	Y
7	IC 200-207672/14	23.775386	39.906732	10.0	370331.0	1.678489	Y
8	IC 200-207672/15	47.550773	86.216879	10.0	424311.0	1.813154	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

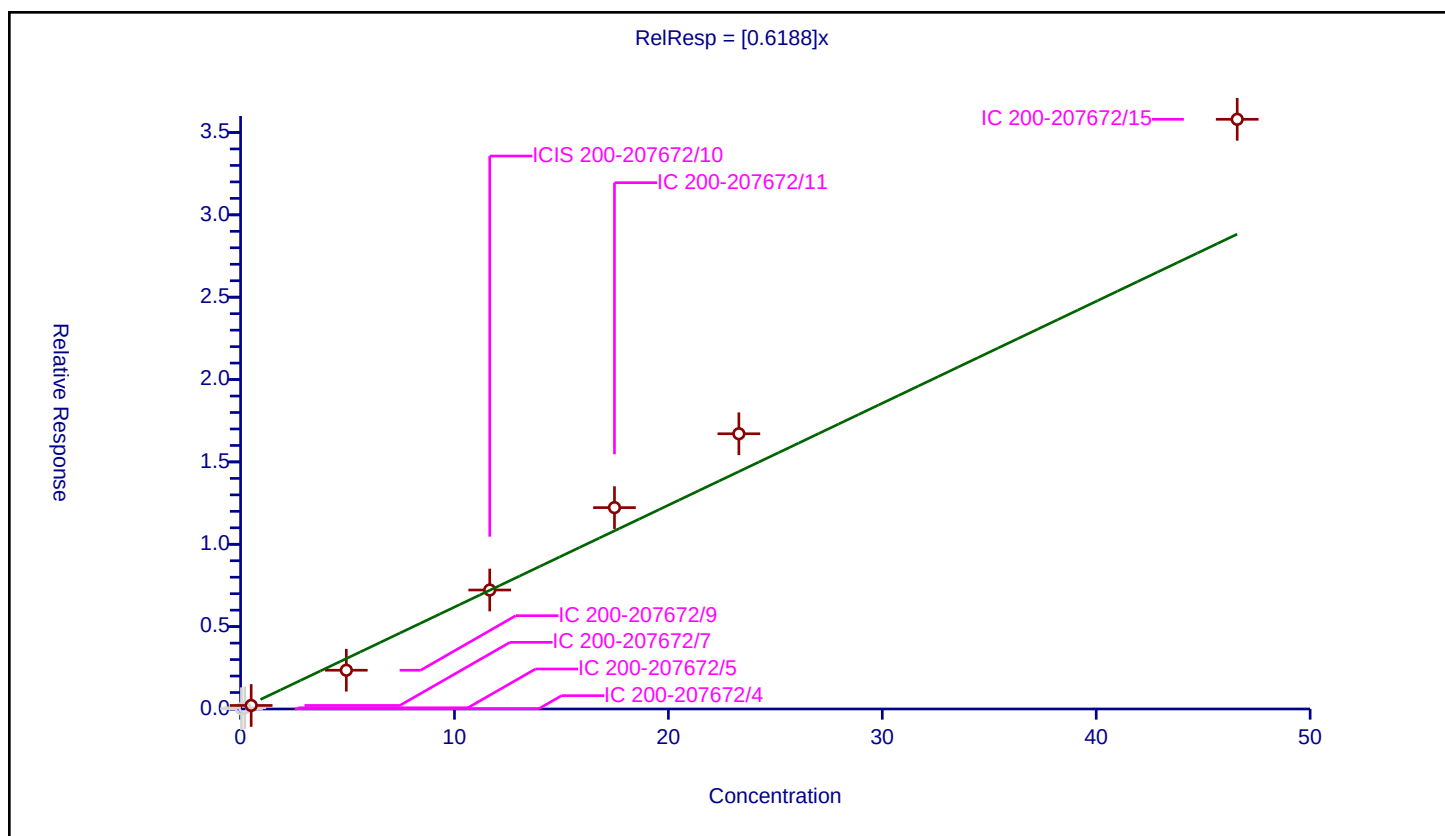
Curve Coefficients

Intercept: 0
Slope: 0.6188

Error Coefficients

Relative Standard Deviation: 22.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-207672/4	0.040865	0.017323	10.0	378109.0	0.423913	N
2	IC 200-207672/5	0.198485	0.074348	10.0	365442.0	0.374578	N
3	IC 200-207672/7	0.495573	0.213736	10.0	310430.0	0.43129	Y
4	IC 200-207672/9	4.943885	2.352989	10.0	356368.0	0.475939	Y
5	ICIS 200-207672/10	11.64774	7.223412	10.0	375486.0	0.620156	Y
6	IC 200-207672/11	17.479144	12.225731	10.0	383429.0	0.699447	Y
7	IC 200-207672/14	23.29548	16.71051	10.0	370331.0	0.717328	Y
8	IC 200-207672/15	46.590959	35.801169	10.0	424311.0	0.768415	Y



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Lab Sample ID: ICV 200-207672/20 Calibration Date: 08/17/2024 09:01

Instrument ID: CHX.i Calib Start Date: 08/16/2024 17:42

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 08/17/2024 04:14

Lab File ID: 61667-20.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.8978	0.9937		11.1	10.0	10.7	30.0
Dichlorodifluoromethane	Ave	3.306	3.387		10.2	10.0	2.5	30.0
Chlorodifluoromethane	Ave	1.998	2.064		10.3	10.0	3.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.642	3.647		10.0	10.0	0.1	30.0
Chloromethane	Ave	1.226	1.268		10.3	10.0	3.4	30.0
n-Butane	Ave	3.242	3.425		10.6	10.0	5.7	30.0
Vinyl chloride	Ave	2.112	2.139		10.1	10.0	1.3	30.0
1,3-Butadiene	Ave	1.763	1.733		9.83	10.0	-1.7	30.0
Bromomethane	Ave	1.985	1.976		9.95	10.0	-0.4	30.0
Chloroethane	Ave	0.9715	0.9552		9.83	10.0	-1.7	30.0
Isopentane	Ave	1.946	1.997		10.3	10.0	2.7	30.0
Bromoethene (Vinyl Bromide)	Ave	1.288	1.347		10.5	10.0	4.6	30.0
Trichlorofluoromethane	Ave	3.361	3.386		10.1	10.0	0.8	30.0
n-Pentane	Ave	3.041	3.142		10.3	10.0	3.3	30.0
Ethanol	Ave	0.8021	0.7778		14.5	15.0	-3.0	30.0
Ethyl ether	Ave	1.114	1.173		10.5	10.0	5.3	30.0
Acrolein	Ave	0.6222	0.7112		11.4	10.0	14.3	30.0
1,1-Dichloroethene	Ave	1.540	1.472		9.56	10.0	-4.4	30.0
1,1,2-Trichlorotrifluoroethane	Ave	3.066	3.033		9.89	10.0	-1.1	30.0
Acetone	Ave	2.689	2.924		10.9	10.0	8.7	30.0
Carbon disulfide	Ave	4.895	4.818		9.84	10.0	-1.6	30.0
Isopropyl alcohol	Ave	3.030	3.587		11.8	10.0	18.4	30.0
Acetonitrile	Ave	1.599	1.580		9.88	10.0	-1.2	30.0
3-Chloropropene	Ave	2.651	2.386		9.00	10.0	-10.0	30.0
Methylene Chloride	Ave	2.397	2.434		10.1	10.0	1.5	30.0
tert-Butyl alcohol	Ave	3.514	3.778		10.7	10.0	7.5	30.0
Acrylonitrile	Ave	1.463	1.484		10.1	10.0	1.5	30.0
trans-1,2-Dichloroethene	Ave	2.859	2.895		10.1	10.0	1.3	30.0
Methyl tert-butyl ether	Ave	4.671	5.081		10.9	10.0	8.8	30.0
n-Hexane	Ave	3.057	3.229		10.6	10.0	5.6	30.0
1,1-Dichloroethane	Ave	3.685	3.555		9.64	10.0	-3.5	30.0
Vinyl acetate	Ave	5.223	6.127		11.7	10.0	17.3	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.9224	0.9627		10.4	10.0	4.4	30.0
cis-1,2-Dichloroethene	Ave	1.809	1.747		9.65	10.0	-3.5	30.0
Ethyl acetate	Ave	0.1375	0.1564		11.4	10.0	13.7	30.0
Tetrahydrofuran	Ave	0.5113	0.5301		10.4	10.0	3.7	30.0
Chloroform	Ave	3.574	3.622		10.1	10.0	1.3	30.0
1,1,1-Trichloroethane	Ave	0.6617	0.6838		10.3	10.0	3.3	30.0
Cyclohexane	Ave	0.4440	0.4764		10.7	10.0	7.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Lab Sample ID: ICV 200-207672/20 Calibration Date: 08/17/2024 09:01

Instrument ID: CHX.i Calib Start Date: 08/16/2024 17:42

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 08/17/2024 04:14

Lab File ID: 61667-20.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.6856	0.6884		10.0	10.0	0.4	30.0
Benzene	Ave	1.106	1.149		10.4	10.0	3.9	30.0
1,2-Dichloroethane	Ave	0.4963	0.5086		10.2	10.0	2.5	30.0
2,2,4-Trimethylpentane	Ave	1.996	2.143		10.7	10.0	7.4	30.0
n-Heptane	Ave	0.8140	0.8767		10.8	10.0	7.7	30.0
n-Butanol	Ave	0.2888	0.2688		9.31	10.0	-6.9	30.0
Trichloroethene	Ave	0.4666	0.4709		10.1	10.0	0.9	30.0
1,2-Dichloropropane	Ave	0.4847	0.5022		10.4	10.0	3.6	30.0
Methyl methacrylate	Ave	0.4047	0.4326		10.7	10.0	6.9	30.0
Dibromomethane	Ave	0.3868	0.4092		10.6	10.0	5.8	30.0
1,4-Dioxane	Ave	0.2349	0.2277		9.69	10.0	-3.1	30.0
Bromodichloromethane	Ave	0.7722	0.8057		10.4	10.0	4.3	30.0
cis-1,3-Dichloropropene	Ave	0.6869	0.7404		10.8	10.0	7.8	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	1.071	1.120		10.5	10.0	4.6	30.0
Toluene	Ave	0.7974	0.8458		10.6	10.0	6.1	30.0
n-Octane	Ave	1.143	1.232		10.8	10.0	7.7	30.0
trans-1,3-Dichloropropene	Ave	0.5475	0.6460		11.8	10.0	18.0	30.0
1,1,2-Trichloroethane	Ave	0.4311	0.4520		10.5	10.0	4.8	30.0
Tetrachloroethene	Ave	0.6214	0.6212		9.99	10.0	-0.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	1.084	1.103		10.2	10.0	1.7	30.0
Dibromochloromethane	Ave	0.7713	0.7995		10.4	10.0	3.7	30.0
1,2-Dibromoethane	Ave	0.7136	0.7542		10.6	10.0	5.7	30.0
Chlorobenzene	Ave	1.067	1.112		10.4	10.0	4.2	30.0
Ethylbenzene	Ave	1.803	1.934		10.7	10.0	7.3	30.0
m,p-Xylene	Ave	0.6719	0.7393		22.0	20.0	10.0	30.0
n-Nonane	Ave	1.080	1.185		11.0	10.0	9.7	30.0
o-Xylene	Ave	0.6349	0.7037		11.1	10.0	10.8	30.0
Styrene	Ave	1.018	1.153		11.3	10.0	13.3	30.0
Bromoform	Ave	0.7134	0.7209		10.1	10.0	1.1	30.0
Cumene	Ave	1.932	2.143		11.1	10.0	10.9	30.0
1,1,2,2-Tetrachloroethane	Ave	1.186	1.229		10.4	10.0	3.6	30.0
1,2,3-Trichloropropane	Ave	0.9295	0.9706		10.4	10.0	4.4	30.0
n-Propylbenzene	Ave	2.469	2.699		10.9	10.0	9.3	30.0
2-Chlorotoluene	Ave	1.549	1.655		10.7	10.0	6.8	30.0
4-Ethyltoluene	Ave	1.932	2.146		11.1	10.0	11.1	30.0
1,3,5-Trimethylbenzene	Ave	1.680	1.836		10.9	10.0	9.2	30.0
n-Decane	Ave	1.483	1.587		10.7	10.0	7.1	30.0
Alpha Methyl Styrene	Ave	0.7949	0.8859		11.1	10.0	11.4	30.0
tert-Butylbenzene	Ave	1.601	1.770		11.1	10.0	10.5	30.0
1,2,4-Trimethylbenzene	Ave	1.694	1.866		11.0	10.0	10.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75030-1
 SDG No.: _____
 Lab Sample ID: ICV 200-207672/20 Calibration Date: 08/17/2024 09:01
 Instrument ID: CHX.i Calib Start Date: 08/16/2024 17:42
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 08/17/2024 04:14
 Lab File ID: 61667-20.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
sec-Butylbenzene	Ave	2.539	2.832		11.2	10.0	11.5	30.0
1,3-Dichlorobenzene	Ave	1.028	1.120		10.9	10.0	9.0	30.0
4-Isopropyltoluene	Ave	2.064	2.294		11.1	10.0	11.1	30.0
1,4-Dichlorobenzene	Ave	0.9875	1.101		11.1	10.0	11.5	30.0
Benzyl chloride	Ave	1.331	1.406		10.6	10.0	5.6	30.0
n-Butylbenzene	Ave	2.016	2.293		11.4	10.0	13.8	30.0
1,2-Dichlorobenzene	Ave	1.041	1.111		10.7	10.0	6.7	30.0
n-Undecane	Ave	1.626	1.701		10.5	10.0	4.6	30.0
n-Dodecane	Ave	1.477	1.414		9.57	10.0	-4.3	30.0
1,2,4-Trichlorobenzene	Ave	0.5548	0.6475		11.7	10.0	16.7	30.0
Hexachlorobutadiene	Ave	0.7713	0.9142		11.9	10.0	18.5	30.0
Naphthalene	Ave	1.295	1.497		11.6	10.0	15.6	30.0
1,2,3-Trichlorobenzene	Ave	0.6188	0.5989		9.68	10.0	-3.2	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-20.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 17-Aug-2024 09:01:30 ALS Bottle#: 20 Worklist Smp#: 20
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0061667-020
 Operator ID: wrd Instrument ID: CHX.i
 Sublist:
 Method: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Aug-2024 08:46:54 Calib Date: 17-Aug-2024 04:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1678

First Level Reviewer: BKZ7

Date: 17-Aug-2024 14:52:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.243	4.240	0.005	98	84359	10.0	11.1	
3 Dichlorodifluoromethane	85	4.339	4.336	0.005	99	287570	10.0	10.2	
4 Chlorodifluoromethane	51	4.382	4.379	0.005	97	175206	10.0	10.3	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.693	4.689	0.006	97	309572	10.0	10.0	
6 Chloromethane	50	4.810	4.807	0.005	99	107652	10.0	10.3	
7 Vinyl chloride	62	5.115	5.112	0.005	97	181595	10.0	10.1	
8 Butane	43	5.115	5.112	0.005	99	290777	10.0	10.6	
9 Butadiene	54	5.228	5.225	0.006	98	147129	10.0	9.83	
11 BFB									
10 Bromomethane	94	5.928	5.926	0.005	99	167751	10.0	9.95	
12 Chloroethane	64	6.185	6.183	0.005	100	81089	10.0	9.83	
13 2-Methylbutane	43	6.394	6.391	0.006	95	169572	10.0	10.3	
14 Vinyl bromide	106	6.608	6.611	0.000	98	114370	10.0	10.5	
15 Trichlorofluoromethane	101	6.768	6.766	0.005	98	287475	10.0	10.1	
16 Pentane	43	6.972	6.969	0.006	98	266738	10.0	10.3	
17 Ethanol	45	7.202	7.200	0.006	98	99092	15.0	14.5	
18 Ethyl ether	59	7.405	7.403	0.006	93	99590	10.0	10.5	
19 Acrolein	56	7.640	7.644	0.000	96	60375	10.0	11.4	
20 1,1-Dichloroethene	96	7.827	7.831	0.000	93	124962	10.0	9.56	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.865	7.863	0.005	95	257461	10.0	9.89	
22 Acetone	43	7.929	7.927	0.005	98	248248	10.0	10.9	
24 Carbon disulfide	76	8.223	8.227	0.000	100	408980	10.0	9.84	
23 Isopropyl alcohol	45	8.255	8.259	0.000	100	304498	10.0	11.8	
25 Acetonitrile	41	8.421	8.425	0.000	100	134150	10.0	9.88	
27 3-Chloro-1-propene	41	8.518	8.516	0.006	94	202536	10.0	9.00	
28 Methylene Chloride	49	8.748	8.752	0.000	97	206593	10.0	10.1	
29 2-Methyl-2-propanol	59	9.036	9.035	0.005	96	320741	10.0	10.7	
30 Acrylonitrile	53	9.154	9.158	0.000	95	126008	10.0	10.1	
32 trans-1,2-Dichloroethene	61	9.240	9.239	0.006	94	245804	10.0	10.1	
31 Methyl tert-butyl ether	73	9.267	9.271	0.001	98	431341	10.0	10.9	
S 33 1,2-Dichloroethene, Total	61				0		20.0	19.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Hexane	57	9.743	9.742	0.006	95	274095	10.0	10.6	
36 1,1-Dichloroethane	63	9.994	9.999	0.000	99	301773	10.0	9.64	
35 Vinyl acetate	43	10.015	10.015	0.005	100	520132	10.0	11.7	
37 2-Butanone (MEK)	72	10.973	10.978	0.000	99	81726	10.0	10.4	
38 cis-1,2-Dichloroethene	96	10.984	10.989	0.000	99	148282	10.0	9.65	
39 Ethyl acetate	88	11.059	11.064	0.000	99	13278	10.0	11.4	
* 40 Chlorobromomethane	128	11.390	11.390	0.000	96	84911	10.0	10.0	
41 Tetrahydrofuran	42	11.455	11.455	0.001	95	226535	10.0	10.4	
42 Chloroform	83	11.567	11.572	0.000	97	307473	10.0	10.1	
43 1,1,1-Trichloroethane	97	11.866	11.866	0.000	96	292240	10.0	10.3	
44 Cyclohexane	84	12.000	12.000	0.000	94	203587	10.0	10.7	
45 Carbon tetrachloride	117	12.145	12.145	0.000	97	294225	10.0	10.0	
46 Benzene	78	12.487	12.487	0.000	97	491214	10.0	10.4	
47 1,2-Dichloroethane	62	12.562	12.562	0.000	96	217349	10.0	10.2	
48 Isooctane	57	12.701	12.701	0.000	99	916081	10.0	10.7	
49 n-Heptane	43	13.006	13.006	0.000	97	374692	10.0	10.8	
* 50 1,4-Difluorobenzene	114	13.220	13.220	0.000	96	427465	10.0	10.0	
51 n-Butanol	56	13.498	13.498	0.000	92	114882	10.0	9.31	
52 Trichloroethene	95	13.648	13.648	0.000	94	201249	10.0	10.1	
A 53 GRO	1	14.044	(6.378-21.709)		0	71198495	649.9	0	
55 1,2-Dichloropropane	63	14.097	14.097	0.000	92	214625	10.0	10.4	
56 Methyl methacrylate	69	14.194	14.194	0.000	91	184906	10.0	10.7	
58 Dibromomethane	174	14.258	14.258	0.000	95	174872	10.0	10.6	
57 1,4-Dioxane	88	14.263	14.263	0.000	99	97304	10.0	9.69	
59 Dichlorobromomethane	83	14.568	14.568	0.000	98	344321	10.0	10.4	
60 cis-1,3-Dichloropropene	75	15.365	15.365	0.000	96	316432	10.0	10.8	
A 61 TVOC as Toluene	92	15.387	(4.228-26.545)		0	111274605	899.8	0	
62 4-Methyl-2-pentanone (MIBK)	43	15.649	15.649	0.000	98	478836	10.0	10.5	
63 Toluene	92	15.996	15.996	0.000	93	333642	10.0	10.6	
A 64 Toluene Range	1	16.004	(15.932-16.077)		0	1409197	NC	NC	
66 n-Octane	43	16.243	16.248	-0.005	97	526349	10.0	10.8	
A 65 C8 Range	1	16.248	(16.173-16.323)		0	1794142	NC	NC	
67 trans-1,3-Dichloropropene	75	16.414	16.414	0.000	98	276069	10.0	11.8	
68 1,1,2-Trichloroethane	83	16.783	16.788	-0.005	97	178276	10.0	10.5	
69 Tetrachloroethene	166	16.986	16.986	0.000	95	245038	10.0	10.0	
70 2-Hexanone	43	17.232	17.232	0.000	91	435094	10.0	10.2	
71 Chlorodibromomethane	129	17.521	17.521	0.000	98	315360	10.0	10.4	
72 Ethylene Dibromide	107	17.757	17.751	0.005	99	297494	10.0	10.6	
* 73 Chlorobenzene-d5	117	18.666	18.666	0.000	90	394526	10.0	10.0	
74 Chlorobenzene	112	18.719	18.725	-0.006	92	438694	10.0	10.4	
75 Ethylbenzene	91	18.912	18.912	0.000	99	762924	10.0	10.7	
76 m-Xylene & p-Xylene	106	19.174	19.174	0.000	0	583251	20.0	22.0	
77 n-Nonane	57	19.233	19.233	0.000	95	467269	10.0	11.0	
S 78 Xylenes, Total	106				0		30.0	33.1	
79 o-Xylene	106	19.945	19.945	0.001	98	277568	10.0	11.1	
80 Styrene	104	19.982	19.982	0.000	99	454789	10.0	11.3	
81 Bromoform	173	20.335	20.335	0.000	95	284376	10.0	10.1	
82 Isopropylbenzene	105	20.651	20.651	0.000	97	845268	10.0	11.1	
83 1,1,2,2-Tetrachloroethane	83	21.180	21.180	0.000	98	484864	10.0	10.4	
84 1,2,3-Trichloropropane	75	21.277	21.277	0.000	99	382858	10.0	10.4	
85 N-Propylbenzene	91	21.373	21.373	0.000	98	1064734	10.0	10.9	
86 2-Chlorotoluene	91	21.523	21.523	0.000	96	652831	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 4-Ethyltoluene	105	21.571	21.571	0.000	98	846501	10.0	11.1	
88 1,3,5-Trimethylbenzene	105	21.667	21.667	0.000	92	724157	10.0	10.9	
89 n-Decane	57	21.699	21.699	0.000	89	626101	10.0	10.7	
90 Alpha Methyl Styrene	118	21.999	21.999	0.000	86	349443	10.0	11.1	
91 tert-Butylbenzene	119	22.149	22.149	0.000	92	698156	10.0	11.1	
92 1,2,4-Trimethylbenzene	105	22.240	22.240	0.000	98	735855	10.0	11.0	
93 sec-Butylbenzene	105	22.475	22.475	0.000	99	1117043	10.0	11.2	
94 1,3-Dichlorobenzene	146	22.651	22.651	0.000	99	441977	10.0	10.9	
95 4-Isopropyltoluene	119	22.689	22.689	0.000	97	904746	10.0	11.1	
96 1,4-Dichlorobenzene	146	22.791	22.791	0.000	94	434270	10.0	11.1	
97 Benzyl chloride	91	22.935	22.935	0.000	98	554498	10.0	10.6	
98 n-Butylbenzene	91	23.240	23.240	0.000	98	904610	10.0	11.4	
99 1,2-Dichlorobenzene	146	23.272	23.277	-0.005	95	438338	10.0	10.7	
100 Undecane	57	23.384	23.390	-0.006	97	670835	10.0	10.5	
101 Dodecane	57	24.936	24.936	0.000	95	557890	10.0	9.57	
102 1,2,4-Trichlorobenzene	180	25.663	25.663	0.000	94	255392	10.0	11.7	
103 Hexachlorobutadiene	225	25.904	25.904	0.000	98	360606	10.0	11.9	
104 Naphthalene	128	26.129	26.129	0.000	99	590443	10.0	11.6	
105 1,2,3-Trichlorobenzene	180	26.535	26.535	0.000	95	236229	10.0	9.68	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00879

Amount Added: 200.00

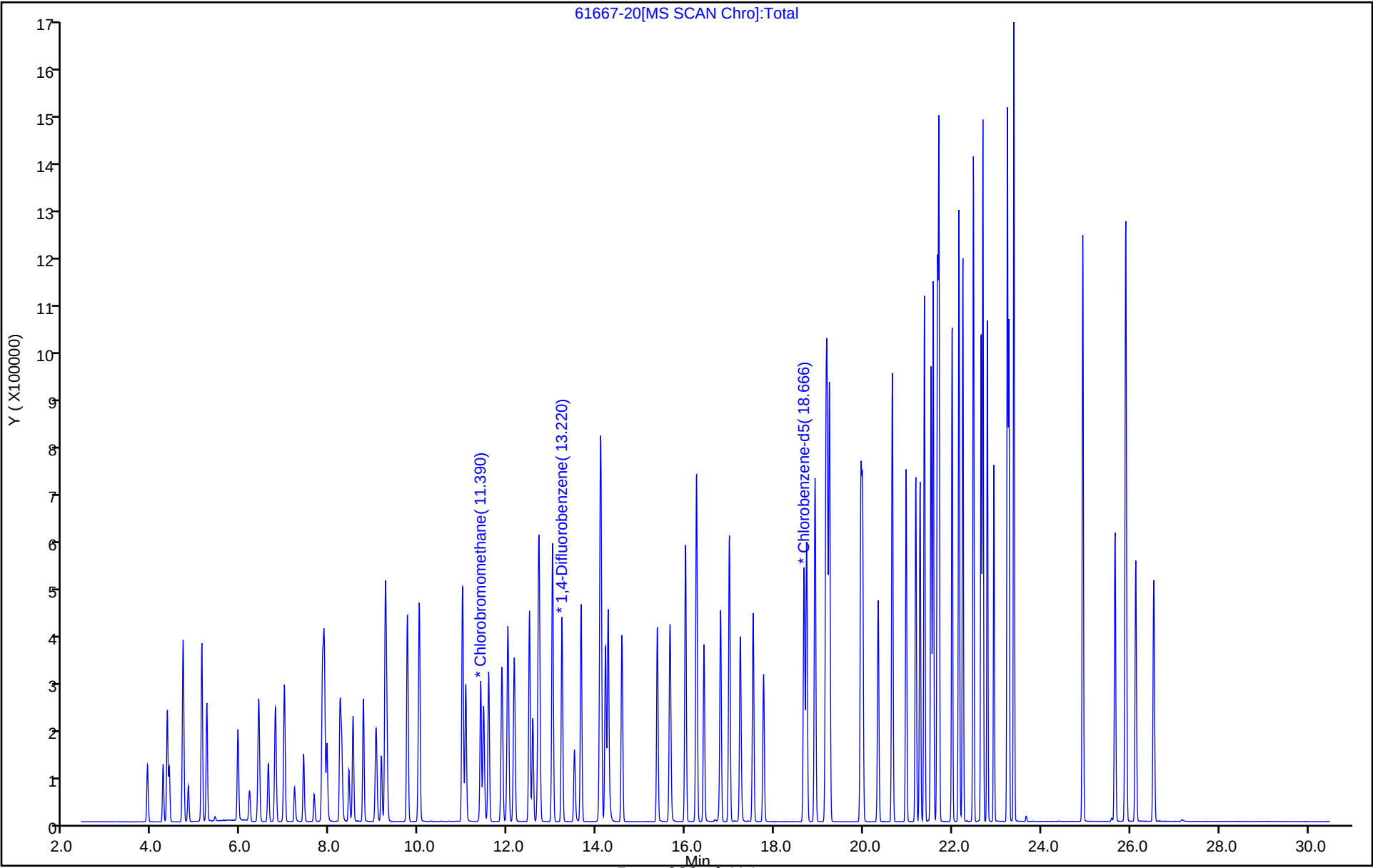
Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Lab Sample ID: CCVIS 200-208427/2 Calibration Date: 09/09/2024 10:58

Instrument ID: CHX.i Calib Start Date: 08/16/2024 17:42

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 08/17/2024 04:14

Lab File ID: 61959-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.8978	0.9620		10.7	10.0	7.2	30.0
Dichlorodifluoromethane	Ave	3.306	3.033		9.17	10.0	-8.2	30.0
Chlorodifluoromethane	Ave	1.998	2.090		10.5	10.0	4.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	3.642	3.329		9.14	10.0	-8.6	30.0
Chloromethane	Ave	1.226	1.294		10.6	10.0	5.6	30.0
n-Butane	Ave	3.242	3.321		10.2	10.0	2.5	30.0
Vinyl chloride	Ave	2.112	1.966		9.30	10.0	-6.9	30.0
1,3-Butadiene	Ave	1.763	1.601		9.08	10.0	-9.2	30.0
Bromomethane	Ave	1.985	1.807		9.10	10.0	-9.0	30.0
Chloroethane	Ave	0.9715	1.007		10.4	10.0	3.6	30.0
Isopentane	Ave	1.946	2.166		11.1	10.0	11.3	30.0
Bromoethene (Vinyl Bromide)	Ave	1.288	1.202		9.33	10.0	-6.7	30.0
Trichlorofluoromethane	Ave	3.361	3.216		9.57	10.0	-4.3	30.0
n-Pentane	Ave	3.041	3.416		11.2	10.0	12.3	30.0
Ethanol	Ave	0.8021	0.9266		17.3	15.0	15.5	30.0
Ethyl ether	Ave	1.114	1.178		10.6	10.0	5.8	30.0
Acrolein	Ave	0.6222	0.6754		12.7	11.7	8.6	30.0
1,1-Dichloroethene	Ave	1.540	1.352		8.78	10.0	-12.2	30.0
1,1,2-Trichlorotrifluoroethane	Ave	3.066	2.845		9.28	10.0	-7.2	30.0
Acetone	Ave	2.689	2.963		11.0	10.0	10.2	30.0
Carbon disulfide	Ave	4.895	4.658		9.52	10.0	-4.8	30.0
Isopropyl alcohol	Ave	3.030	3.383		12.9	11.6	11.6	30.0
Acetonitrile	Ave	1.599	1.794		11.2	10.0	12.2	30.0
3-Chloropropene	Ave	2.651	2.820		10.6	10.0	6.4	30.0
Methylene Chloride	Ave	2.397	2.480		10.3	10.0	3.4	30.0
tert-Butyl alcohol	Ave	3.514	3.767		10.7	10.0	7.2	30.0
Acrylonitrile	Ave	1.463	1.515		10.4	10.0	3.6	30.0
trans-1,2-Dichloroethene	Ave	2.859	2.725		9.53	10.0	-4.7	30.0
Methyl tert-butyl ether	Ave	4.671	4.737		10.1	10.0	1.4	30.0
n-Hexane	Ave	3.057	3.134		10.2	10.0	2.5	30.0
1,1-Dichloroethane	Ave	3.685	3.503		9.50	10.0	-4.9	30.0
Vinyl acetate	Ave	5.223	5.604		12.2	11.4	7.3	30.0
Methyl Ethyl Ketone (2-Butanone)	Ave	0.9224	0.9141		9.91	10.0	-0.9	30.0
cis-1,2-Dichloroethene	Ave	1.809	1.660		9.17	10.0	-8.3	30.0
Ethyl acetate	Ave	0.1375	0.1381		10.0	10.0	0.4	30.0
Tetrahydrofuran	Ave	0.5113	0.5523		10.8	10.0	8.0	30.0
Chloroform	Ave	3.574	3.445		9.64	10.0	-3.6	30.0
1,1,1-Trichloroethane	Ave	0.6617	0.6326		9.56	10.0	-4.4	30.0
Cyclohexane	Ave	0.4440	0.4334		9.76	10.0	-2.4	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Lab Sample ID: CCVIS 200-208427/2 Calibration Date: 09/09/2024 10:58

Instrument ID: CHX.i Calib Start Date: 08/16/2024 17:42

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 08/17/2024 04:14

Lab File ID: 61959-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.6856	0.6358		9.27	10.0	-7.3	30.0
Benzene	Ave	1.106	1.060		9.58	10.0	-4.2	30.0
1,2-Dichloroethane	Ave	0.4963	0.4938		9.95	10.0	-0.5	30.0
2,2,4-Trimethylpentane	Ave	1.996	2.055		10.3	10.0	2.9	30.0
n-Heptane	Ave	0.8140	0.8628		10.6	10.0	6.0	30.0
n-Butanol	Ave	0.2888	0.3005		10.4	10.0	4.1	30.0
Trichloroethene	Ave	0.4666	0.4241		9.09	10.0	-9.1	30.0
1,2-Dichloropropane	Ave	0.4847	0.4795		9.89	10.0	-1.1	30.0
Methyl methacrylate	Ave	0.4047	0.4167		10.3	10.0	3.0	30.0
Dibromomethane	Ave	0.3868	0.3540		9.15	10.0	-8.5	30.0
1,4-Dioxane	Ave	0.2349	0.2089		8.89	10.0	-11.1	30.0
Bromodichloromethane	Ave	0.7722	0.7643		9.90	10.0	-1.0	30.0
cis-1,3-Dichloropropene	Ave	0.6869	0.7120		10.4	10.0	3.7	30.0
4-Methyl-2-pentanone (Methyl isobutyl ketone)	Ave	1.071	1.102		10.3	10.0	2.9	30.0
Toluene	Ave	0.7974	0.7611		9.54	10.0	-4.6	30.0
n-Octane	Ave	1.143	1.240		10.8	10.0	8.4	30.0
trans-1,3-Dichloropropene	Ave	0.5475	0.5749		10.5	10.0	5.0	30.0
1,1,2-Trichloroethane	Ave	0.4311	0.4103		9.52	10.0	-4.8	30.0
Tetrachloroethene	Ave	0.6214	0.5314		8.55	10.0	-14.5	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	1.084	1.060		9.77	10.0	-2.3	30.0
Dibromochloromethane	Ave	0.7713	0.7378		9.56	10.0	-4.3	30.0
1,2-Dibromoethane	Ave	0.7136	0.6791		9.52	10.0	-4.8	30.0
Chlorobenzene	Ave	1.067	1.003		9.40	10.0	-6.0	30.0
Ethylbenzene	Ave	1.803	1.767		9.79	10.0	-2.0	30.0
m,p-Xylene	Ave	0.6719	0.6623		19.7	20.0	-1.4	30.0
n-Nonane	Ave	1.080	1.101		10.2	10.0	1.9	30.0
o-Xylene	Ave	0.6349	0.6247		9.84	10.0	-1.6	30.0
Styrene	Ave	1.018	1.035		10.2	10.0	1.7	30.0
Bromoform	Ave	0.7134	0.7155		10.0	10.0	0.3	30.0
Cumene	Ave	1.932	1.942		10.0	10.0	0.5	30.0
1,1,2,2-Tetrachloroethane	Ave	1.186	1.165		9.82	10.0	-1.8	30.0
1,2,3-Trichloropropane	Ave	0.9295	0.9248		9.95	10.0	-0.5	30.0
n-Propylbenzene	Ave	2.469	2.501		10.1	10.0	1.3	30.0
2-Chlorotoluene	Ave	1.549	1.540		9.94	10.0	-0.6	30.0
4-Ethyltoluene	Ave	1.932	1.941		10.0	10.0	0.5	30.0
1,3,5-Trimethylbenzene	Ave	1.680	1.671		9.94	10.0	-0.6	30.0
n-Decane	Ave	1.483	1.474		9.94	10.0	-0.6	30.0
Alpha Methyl Styrene	Ave	0.7949	0.8292		10.4	10.0	4.3	30.0
tert-Butylbenzene	Ave	1.601	1.593		9.95	10.0	-0.5	30.0
1,2,4-Trimethylbenzene	Ave	1.694	1.711		10.1	10.0	1.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-75030-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-208427/2 Calibration Date: 09/09/2024 10:58
 Instrument ID: CHX.i Calib Start Date: 08/16/2024 17:42
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 08/17/2024 04:14
 Lab File ID: 61959-02.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
sec-Butylbenzene	Ave	2.539	2.550		10.0	10.0	0.4	30.0
1,3-Dichlorobenzene	Ave	1.028	1.035		10.1	10.0	0.6	30.0
4-Isopropyltoluene	Ave	2.064	2.116		10.3	10.0	2.5	30.0
1,4-Dichlorobenzene	Ave	0.9875	1.014		10.3	10.0	2.6	30.0
Benzyl chloride	Ave	1.331	1.502		11.3	10.0	12.8	30.0
n-Butylbenzene	Ave	2.016	2.165		10.7	10.0	7.4	30.0
1,2-Dichlorobenzene	Ave	1.041	1.048		10.1	10.0	0.7	30.0
n-Undecane	Ave	1.626	1.622		9.97	10.0	-0.2	30.0
n-Dodecane	Ave	1.477	1.528		10.3	10.0	3.4	30.0
1,2,4-Trichlorobenzene	Ave	0.5548	0.5652		11.9	11.7	1.9	30.0
Hexachlorobutadiene	Ave	0.7713	0.7209		10.5	11.2	-6.5	30.0
Naphthalene	Ave	1.295	1.467		13.5	11.9	13.3	30.0
1,2,3-Trichlorobenzene	Ave	0.6188	0.6026		11.3	11.6	-2.6	30.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-02.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 09-Sep-2024 10:58:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0061959-002
 Operator ID: wrd Instrument ID: CHX.i
 Sublist: chrom-TO15_MasterMethod_X.m*sub5
 Method: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 10-Sep-2024 11:28:15 Calib Date: 17-Aug-2024 04:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: F7XK

Date: 10-Sep-2024 11:28:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.232	4.232	0.000	98	84484	10.0	10.7	
3 Dichlorodifluoromethane	85	4.329	4.329	0.000	99	266392	10.0	9.17	
4 Chlorodifluoromethane	51	4.372	4.372	0.000	98	183591	10.0	10.5	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.682	4.682	0.000	95	292373	10.0	9.14	
6 Chloromethane	50	4.800	4.800	0.000	99	113641	10.0	10.6	
7 Vinyl chloride	62	5.104	5.104	0.000	71	172648	10.0	9.30	
8 Butane	43	5.104	5.104	0.000	99	291703	10.0	10.2	
9 Butadiene	54	5.217	5.217	0.000	98	140585	10.0	9.08	
11 BFB									
10 Bromomethane	94	5.918	5.918	0.000	99	158671	10.0	9.10	
12 Chloroethane	64	6.174	6.174	0.000	99	88398	10.0	10.4	
13 2-Methylbutane	43	6.388	6.388	0.000	96	190236	10.0	11.1	
14 Vinyl bromide	106	6.602	6.602	0.000	99	105531	10.0	9.33	
15 Trichlorofluoromethane	101	6.763	6.763	0.000	98	282420	10.0	9.57	
16 Pentane	43	6.966	6.966	0.000	98	299975	10.0	11.2	
17 Ethanol	45	7.191	7.191	0.000	98	122119	15.0	17.3	
18 Ethyl ether	59	7.399	7.399	0.000	92	103470	10.0	10.6	
19 Acrolein	56	7.635	7.635	0.000	97	69460	11.7	12.7	
20 1,1-Dichloroethene	96	7.822	7.822	0.000	91	118703	10.0	8.78	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	7.860	7.860	0.000	94	249843	10.0	9.28	
22 Acetone	43	7.924	7.924	0.000	99	260232	10.0	11.0	
24 Carbon disulfide	76	8.218	8.218	0.000	100	409103	10.0	9.52	
23 Isopropyl alcohol	45	8.250	8.250	0.000	100	344367	11.6	12.9	
25 Acetonitrile	41	8.416	8.416	0.000	100	157531	10.0	11.2	
27 3-Chloro-1-propene	41	8.512	8.512	0.000	93	247658	10.0	10.6	
28 Methylene Chloride	49	8.742	8.742	0.000	95	217781	10.0	10.3	
29 2-Methyl-2-propanol	59	9.031	9.031	0.000	96	330817	10.0	10.7	
30 Acrylonitrile	53	9.143	9.143	0.000	94	133090	10.0	10.4	
32 trans-1,2-Dichloroethene	61	9.234	9.234	0.000	93	239282	10.0	9.53	
31 Methyl tert-butyl ether	73	9.261	9.261	0.000	97	415989	10.0	10.1	
S 33 1,2-Dichloroethene, Total	61				0		20.0	18.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Hexane	57	9.732	9.732	0.000	95	275203	10.0	10.2	
36 1,1-Dichloroethane	63	9.989	9.989	0.000	99	307644	10.0	9.50	
35 Vinyl acetate	43	10.005	10.005	0.000	100	560620	11.4	12.2	
37 2-Butanone (MEK)	72	10.968	10.968	0.000	99	80279	10.0	9.91	
38 cis-1,2-Dichloroethene	96	10.978	10.978	0.000	98	145791	10.0	9.17	
39 Ethyl acetate	88	11.048	11.048	0.000	98	12125	10.0	10.0	
* 40 Chlorobromomethane	128	11.380	11.380	0.000	93	87842	10.0	10.0	
41 Tetrahydrofuran	42	11.449	11.449	0.000	94	247280	10.0	10.8	
42 Chloroform	83	11.562	11.562	0.000	96	302600	10.0	9.64	
43 1,1,1-Trichloroethane	97	11.861	11.861	0.000	95	283195	10.0	9.56	
44 Cyclohexane	84	12.000	12.000	0.000	93	194051	10.0	9.76	
45 Carbon tetrachloride	117	12.139	12.139	0.000	97	284621	10.0	9.27	
46 Benzene	78	12.482	12.482	0.000	98	474501	10.0	9.58	
47 1,2-Dichloroethane	62	12.551	12.551	0.000	96	221070	10.0	9.95	
48 Isooctane	57	12.690	12.690	0.000	98	919845	10.0	10.3	
49 n-Heptane	43	13.001	13.001	0.000	98	386262	10.0	10.6	
* 50 1,4-Difluorobenzene	114	13.209	13.209	0.000	97	447778	10.0	10.0	
51 n-Butanol	56	13.493	13.493	0.000	94	134552	10.0	10.4	
52 Trichloroethene	95	13.643	13.643	0.000	93	189880	10.0	9.09	
A 53 GRO	1	14.041	(6.378-21.704)		0	71755503	649.9	0	
55 1,2-Dichloropropane	63	14.092	14.092	0.000	91	214674	10.0	9.89	
56 Methyl methacrylate	69	14.188	14.188	0.000	89	186535	10.0	10.3	
58 Dibromomethane	174	14.252	14.252	0.000	93	158488	10.0	9.15	
57 1,4-Dioxane	88	14.268	14.268	0.000	97	93527	10.0	8.89	
59 Dichlorobromomethane	83	14.557	14.557	0.000	97	342169	10.0	9.90	
60 cis-1,3-Dichloropropene	75	15.354	15.354	0.000	97	318765	10.0	10.4	
A 61 TVOC as Toluene	92	15.381	(4.222-26.540)		0	113208555	899.8	0	
62 4-Methyl-2-pentanone (MIBK)	43	15.643	15.643	0.000	98	493454	10.0	10.3	
63 Toluene	92	15.991	15.991	0.000	93	321119	10.0	9.54	
A 64 Toluene Range	1	16.002	(15.927-16.077)		0	1394244	NC	NC	
A 65 C8 Range	1	16.248	(16.162-16.333)		0	1846694	NC	NC	
66 n-Octane	43	16.237	16.237	0.000	98	555049	10.0	10.8	
67 trans-1,3-Dichloropropene	75	16.408	16.408	0.000	98	257358	10.0	10.5	
68 1,1,2-Trichloroethane	83	16.778	16.778	0.000	96	173125	10.0	9.52	
69 Tetrachloroethene	166	16.981	16.981	0.000	94	224184	10.0	8.55	
70 2-Hexanone	43	17.222	17.222	0.000	90	447110	10.0	9.77	
71 Chlorodibromomethane	129	17.516	17.516	0.000	97	311286	10.0	9.56	
72 Ethylene Dibromide	107	17.751	17.751	0.000	98	286515	10.0	9.52	
* 73 Chlorobenzene-d5	117	18.661	18.661	0.000	90	421985	10.0	10.0	
74 Chlorobenzene	112	18.719	18.719	0.000	91	423293	10.0	9.40	
75 Ethylbenzene	91	18.907	18.907	0.000	99	745292	10.0	9.79	
76 m-Xylene & p-Xylene	106	19.169	19.169	0.000	0	558823	20.0	19.7	
77 n-Nonane	57	19.233	19.233	0.000	96	464645	10.0	10.2	
S 78 Xylenes, Total	106				0		30.0	29.5	
79 o-Xylene	106	19.939	19.939	0.000	98	263576	10.0	9.84	
80 Styrene	104	19.977	19.977	0.000	99	436671	10.0	10.2	
81 Bromoform	173	20.330	20.330	0.000	95	301888	10.0	10.0	
82 Isopropylbenzene	105	20.645	20.645	0.000	97	819383	10.0	10.0	
83 1,1,2,2-Tetrachloroethane	83	21.175	21.175	0.000	97	491420	10.0	9.82	
84 1,2,3-Trichloropropane	75	21.271	21.271	0.000	97	390186	10.0	9.95	
85 N-Propylbenzene	91	21.368	21.368	0.000	98	1055231	10.0	10.1	
86 2-Chlorotoluene	91	21.517	21.517	0.000	97	649931	10.0	9.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 4-Ethyltoluene	105	21.565	21.565	0.000	98	819117	10.0	10.0	
88 1,3,5-Trimethylbenzene	105	21.662	21.662	0.000	92	704905	10.0	9.94	
89 n-Decane	57	21.694	21.694	0.000	88	621890	10.0	9.94	
90 Alpha Methyl Styrene	118	21.993	21.993	0.000	86	349826	10.0	10.4	
91 tert-Butylbenzene	119	22.149	22.149	0.000	92	672219	10.0	9.95	
92 1,2,4-Trimethylbenzene	105	22.234	22.234	0.000	98	721889	10.0	10.1	
93 sec-Butylbenzene	105	22.470	22.470	0.000	98	1075858	10.0	10.0	
94 1,3-Dichlorobenzene	146	22.646	22.646	0.000	98	436534	10.0	10.1	
95 4-Isopropyltoluene	119	22.689	22.689	0.000	97	892686	10.0	10.3	
96 1,4-Dichlorobenzene	146	22.785	22.785	0.000	93	427625	10.0	10.3	
97 Benzyl chloride	91	22.935	22.935	0.000	98	633615	10.0	11.3	
98 n-Butylbenzene	91	23.240	23.240	0.000	98	913392	10.0	10.7	
99 1,2-Dichlorobenzene	146	23.272	23.272	0.000	94	442217	10.0	10.1	
100 Undecane	57	23.384	23.384	0.000	97	684245	10.0	9.97	
101 Dodecane	57	24.936	24.936	0.000	94	644541	10.0	10.3	
102 1,2,4-Trichlorobenzene	180	25.658	25.658	0.000	93	279702	11.7	11.9	
103 Hexachlorobutadiene	225	25.904	25.904	0.000	97	341872	11.2	10.5	
104 Naphthalene	128	26.123	26.123	0.000	98	736106	11.9	13.5	
105 1,2,3-Trichlorobenzene	180	26.530	26.530	0.000	95	296206	11.6	11.3	
114 Methylcyclohexane	83		0.000				ND	ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Reagents:

ATTO15CAL4w_00829

Amount Added: 200.00

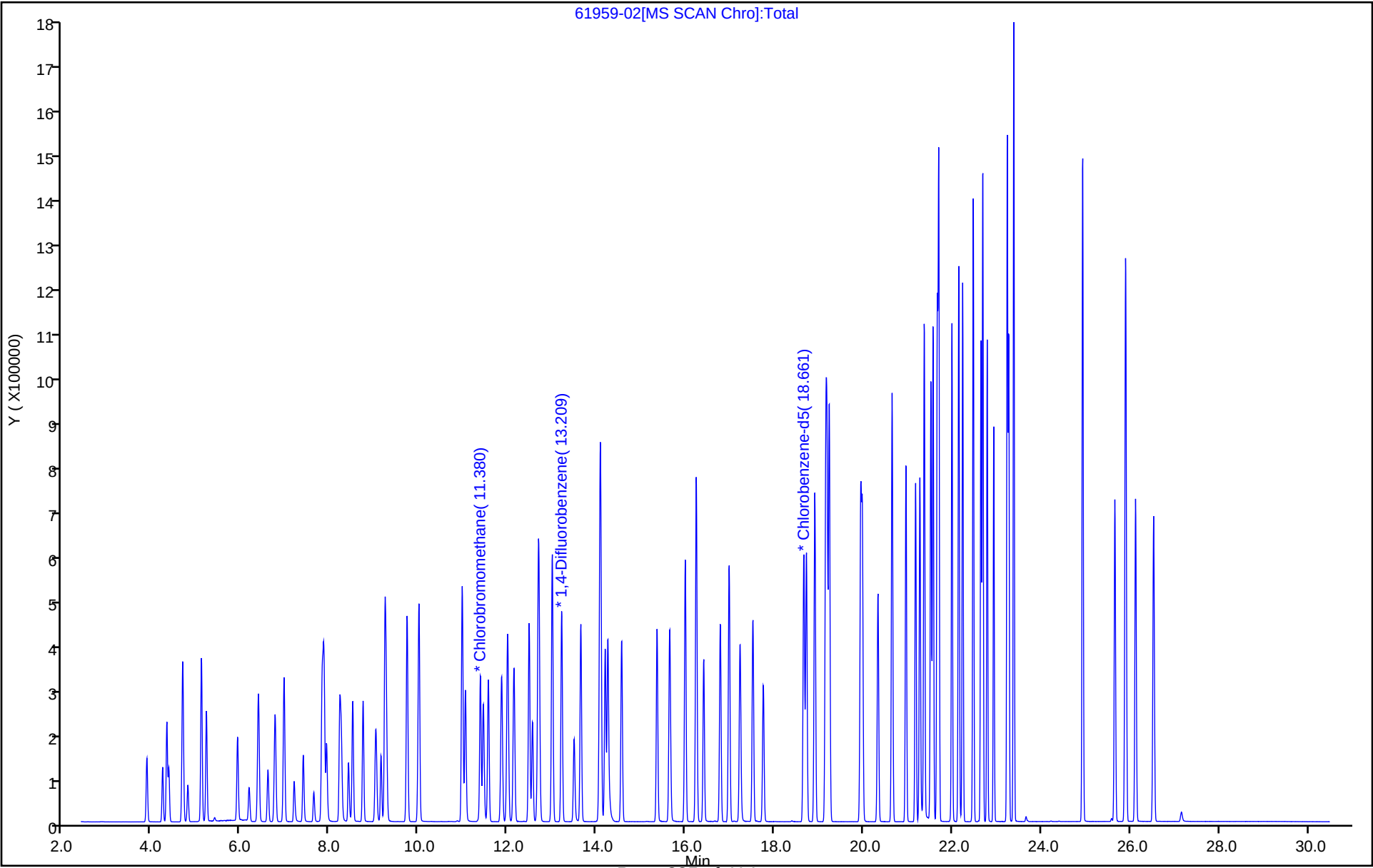
Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent



Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-01.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 16-Aug-2024 14:49:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: 200-0061667-001
Misc. Info.: bfb
Operator ID: wrd Instrument ID: CHX.i
Method: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 17-Aug-2024 08:46:12 Calib Date: 17-Aug-2024 04:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D
Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1627

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

11 BFB

* 40 Chlorobromomethane	128	11.390				10.0	ND
* 50 1,4-Difluorobenzene	114	13.220				10.0	ND
* 73 Chlorobenzene-d5	117	18.666				10.0	ND

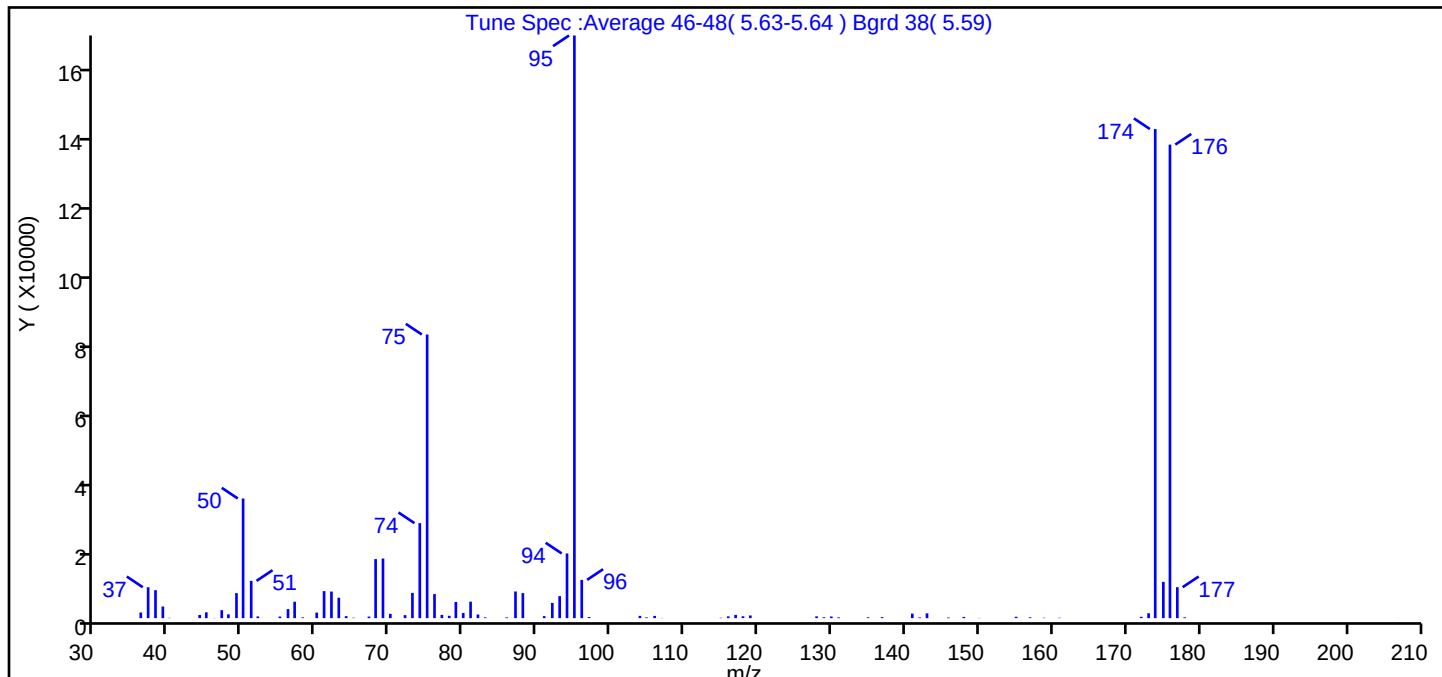
Reagents:

ATTO15XISs_00003 Amount Added: 20.00 Units: mL Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-01.D
Injection Date: 16-Aug-2024 14:49:30 Instrument ID: CHX.i
Lims ID: bfb
Client ID:
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

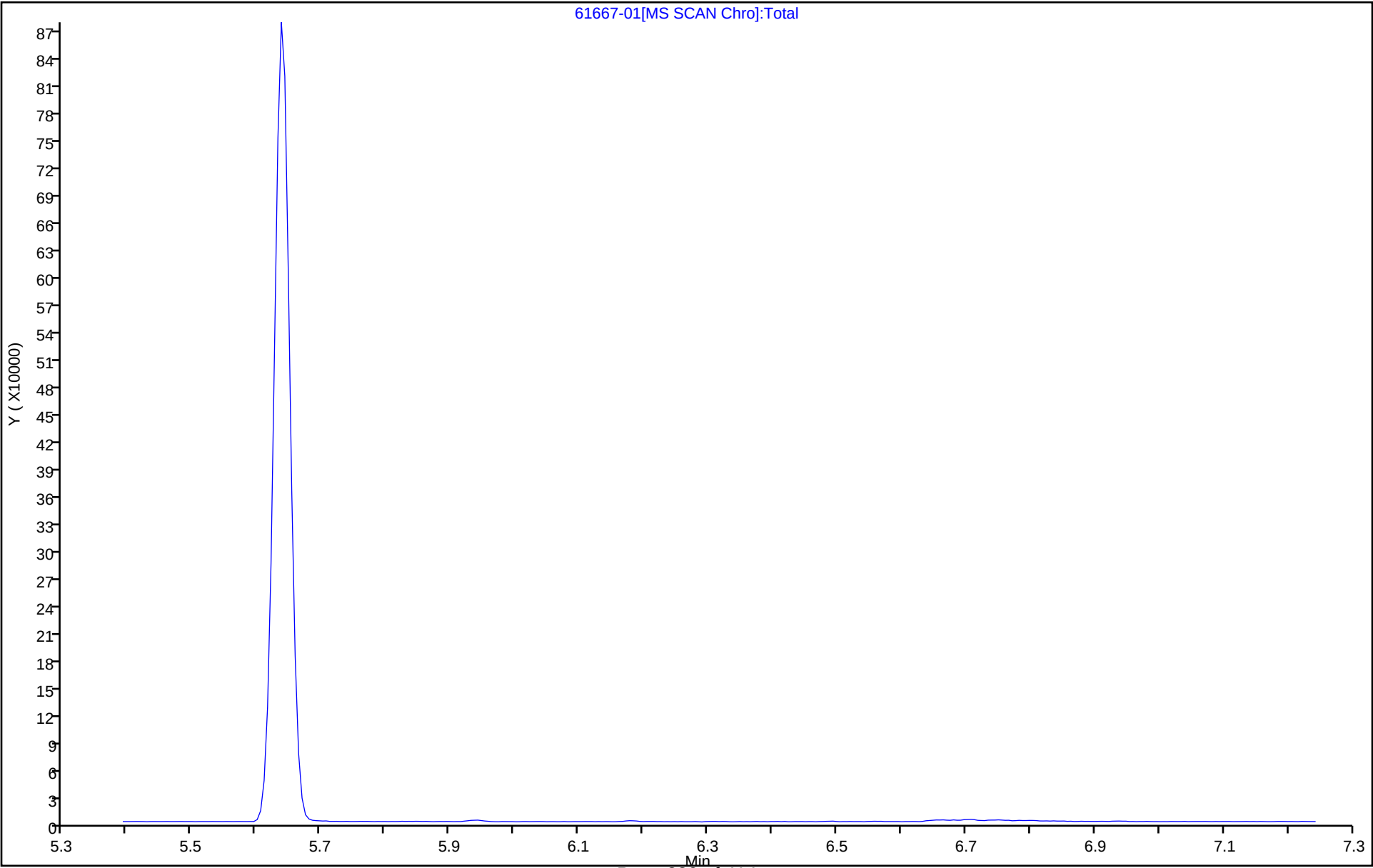
11 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	20.5
75	30.0 to 66.0 Percent of m/e 95	48.7
96	5.0 to 9.0 Percent of m/e 95	6.6
173	Less than 2.0 Percent of m/e 174	0.8 (1.0)
174	50.0 to 120.0 Percent of m/e 95	83.9
175	4.0 to 9.0 Percent of m/e 174	6.2 (7.4)
176	93.0 to 101.0 Percent of m/e 174	81.3 (96.8)
177	5.0 to 9.0 Percent of m/e 176	5.3 (6.5)

Data File: \\chromfs\Burlington\ChromData\CHX.\\20240816-61667.b\61667-01.D\TO15_MasterMethod_X.m.rsl\tspe
Injection Date: 16-Aug-2024 14:49:30
Spectrum: Tune Spec :Average 46-48(5.63-5.64) Bgrd 38(5.59)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 83

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1604	63.00	5789	88.00	7111	135.00	234
37.00	8773	64.00	578	91.00	576	137.00	289
38.00	7942	65.00	122	92.00	4327	141.00	1294
39.00	3295	67.00	443	93.00	6246	142.00	199
40.00	84	68.00	16760	94.00	18360	143.00	1363
44.00	906	69.00	16920	95.00	165376	146.00	180
45.00	1657	70.00	1226	96.00	10861	148.00	351
46.00	53	72.00	854	97.00	299	150.00	59
47.00	2267	73.00	7161	104.00	641	155.00	399
48.00	1071	74.00	26968	105.00	212	157.00	237
49.00	7105	75.00	80504	106.00	635	159.00	119
50.00	33960	76.00	6842	107.00	52	161.00	113
51.00	10581	77.00	915	115.00	118	172.00	374
52.00	487	78.00	671	116.00	509	173.00	1384
55.00	456	79.00	4592	117.00	916	174.00	138816
56.00	2568	80.00	1474	118.00	536	175.00	10292
57.00	4659	81.00	4678	119.00	756	176.00	134400
58.00	211	82.00	1032	128.00	511	177.00	8785
60.00	1575	83.00	220	129.00	247	178.00	231
61.00	7674	86.00	215	130.00	469	207.00	10
62.00	7549	87.00	7569	131.00	226		



Eurofins Burlington

Target Compound Quantitation Report

Data File:

\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-01.D

Lims ID:

bfb

Client ID:

Sample Type:

BFB

Inject. Date:

09-Sep-2024 10:00:30

ALS Bottle#:

1

Worklist Smp#:

1

Injection Vol:

200.0 mL

Dil. Factor:

1.0000

Sample Info:

200-0061959-001

Misc. Info.:

bfb

Operator ID:

wrd

Instrument ID:

CHX.i

Method:

\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\TO15_MasterMethod_X.m.m

Limit Group:

AI_TO15_ICAL

Last Update:

10-Sep-2024 11:26:55

Calib Date:

17-Aug-2024 04:14:30

Integrator:

RTE

ID Type:

Deconvolution ID

Quant Method:

Internal Standard

Quant By:

Initial Calibration

Last ICal File:

\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D

Column 1 :

RTX-624 (0.32 mm)

Det:

MS SCAN

Process Host:

CTX1630

First Level Reviewer: F7XK

Date: 10-Sep-2024 11:26:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags

11 BFB									
* 40 Chlorobromomethane	128		11.385				10.0	ND	
* 50 1,4-Difluorobenzene	114		13.215				10.0	ND	
* 73 Chlorobenzene-d5	117		18.661				10.0	ND	

QC Flag Legend

Processing Flags

Reagents:

ATTO15XISs_00003

Amount Added: 20.00

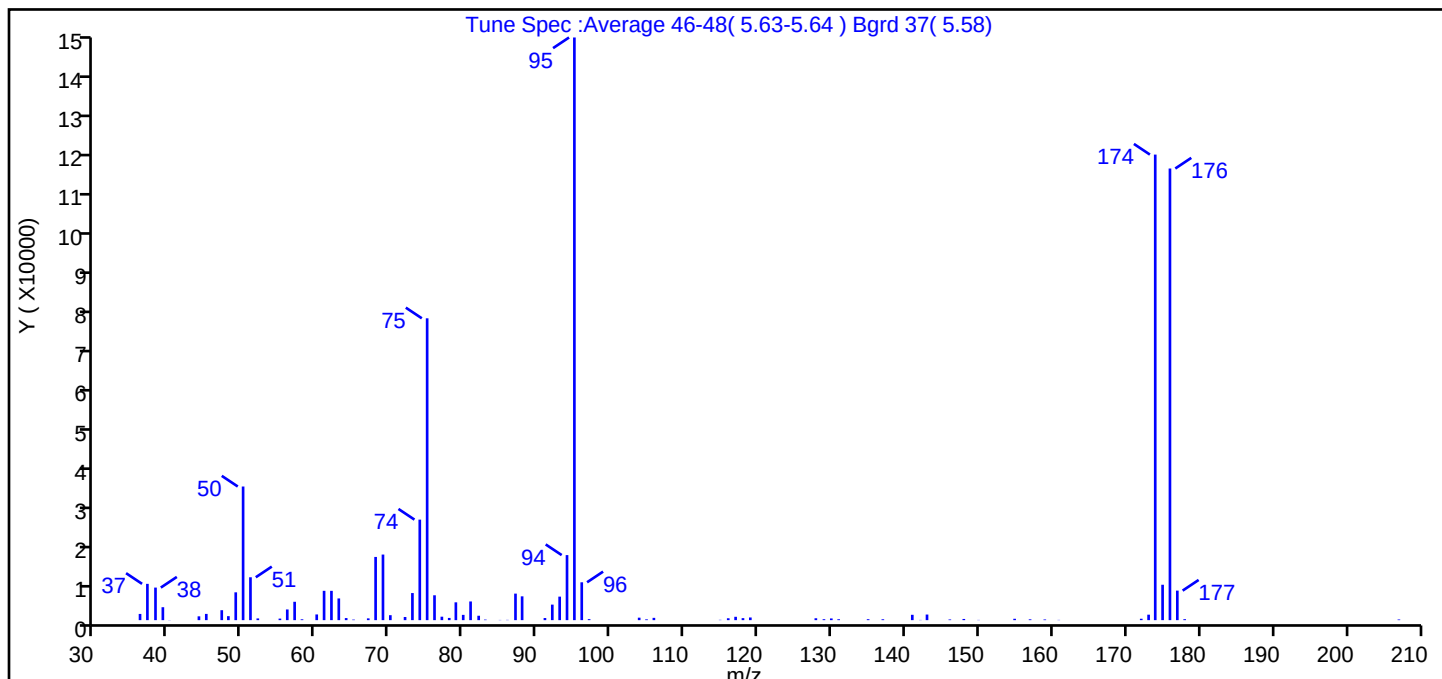
Units: mL

Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-01.D
Injection Date: 09-Sep-2024 10:00:30 Instrument ID: CHX.i
Lims ID: bfb
Client ID:
Operator ID: wrd ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Tune Method: BFB Method TO-15

11 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100 Percent Relative Abundance	100.0
50	8.0 to 40.0 Percent of m/e 95	22.9
75	30.0 to 66.0 Percent of m/e 95	51.8
96	5.0 to 9.0 Percent of m/e 95	6.5
173	Less than 2.0 Percent of m/e 174	0.9 (1.2)
174	50.0 to 120.0 Percent of m/e 95	79.9
175	4.0 to 9.0 Percent of m/e 174	6.1 (7.6)
176	93.0 to 101.0 Percent of m/e 174	77.5 (97.0)
177	5.0 to 9.0 Percent of m/e 176	5.1 (6.5)

Data File: \\chromfs\Burlington\ChromData\CHX.\\20240909-61959.b\61959-01.D\TO15_MasterMethod_X.m.rsl\tspe
Injection Date: 09-Sep-2024 10:00:30
Spectrum: Tune Spec :Average 46-48(5.63-5.64) Bgrd 37(5.58)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 82

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1494	64.00	499	88.00	5730	137.00	207
37.00	8734	65.00	130	91.00	509	141.00	1286
38.00	7835	67.00	427	92.00	3737	142.00	52
39.00	3112	68.00	15211	93.00	5659	143.00	1347
40.00	34	69.00	15784	94.00	15656	146.00	166
44.00	918	70.00	1194	95.00	140224	148.00	286
45.00	1502	72.00	759	96.00	9110	150.00	56
47.00	2394	73.00	6518	97.00	240	155.00	330
48.00	962	74.00	24192	104.00	593	157.00	197
49.00	6694	75.00	72640	105.00	190	159.00	162
50.00	32160	76.00	5983	106.00	553	161.00	60
51.00	10318	77.00	830	115.00	75	172.00	335
52.00	412	78.00	532	116.00	451	173.00	1317
55.00	373	79.00	4288	117.00	806	174.00	112040
56.00	2573	80.00	1271	118.00	484	175.00	8518
57.00	4420	81.00	4496	119.00	642	176.00	108688
58.00	201	82.00	1058	128.00	456	177.00	7106
60.00	1371	83.00	132	129.00	225	178.00	232
61.00	7058	85.00	50	130.00	406	207.00	160
62.00	7053	86.00	65	131.00	216		
63.00	5225	87.00	6385	135.00	223		

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-01.D

Injection Date: 09-Sep-2024 10:00:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 200.0 mL

Dil. Factor: 1.0000

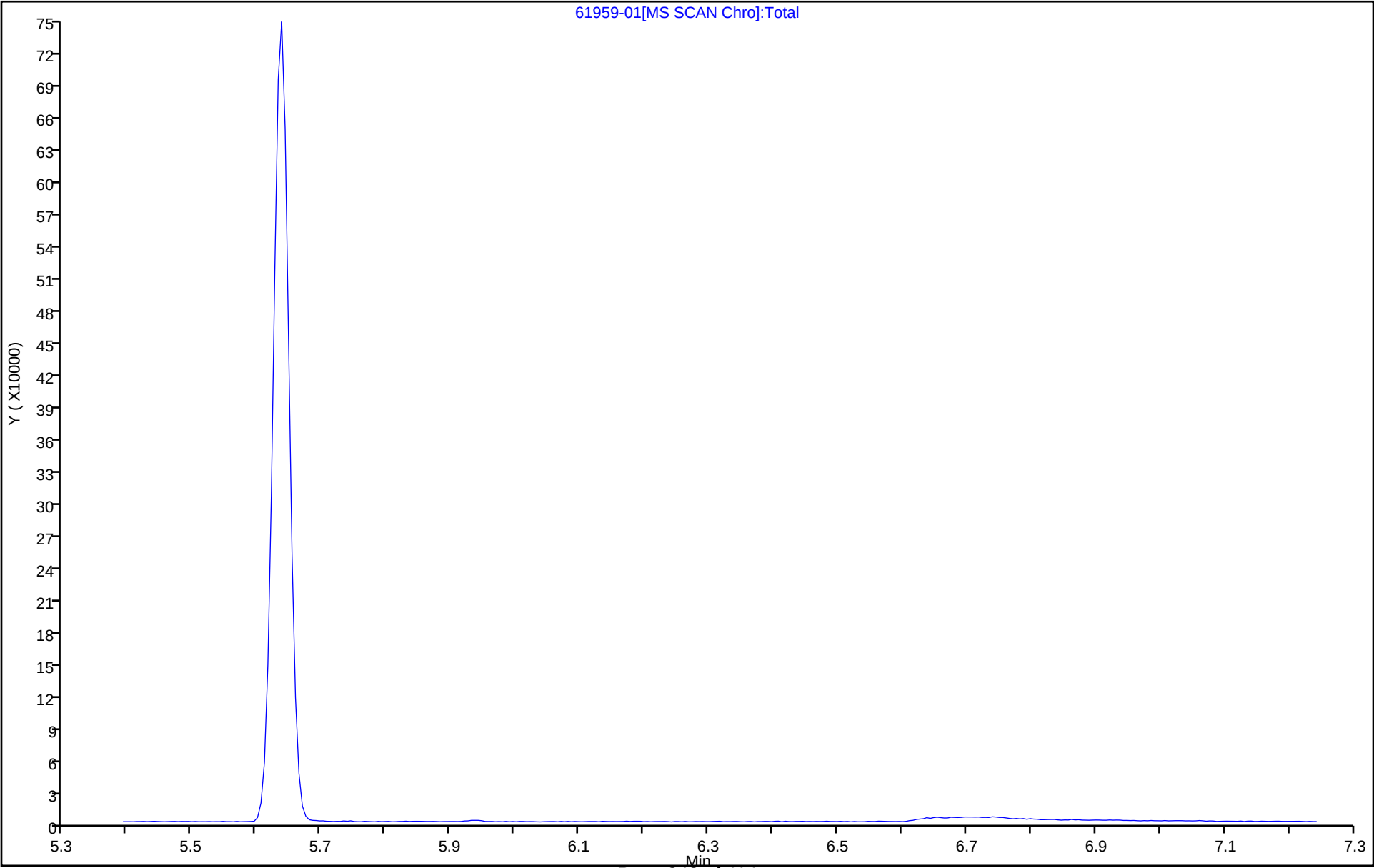
ALS Bottle#: 1

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-208427/5

Matrix: Air Lab File ID: 61959-05.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 09/09/2024 13:49

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 208427 Units: ug/m3

Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	1.8	U	1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.34
74-87-3	Chloromethane	50.49	1.0	U	1.0	0.31
106-97-8	n-Butane	58.12	1.2	U	1.2	0.48
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.054
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.086
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.28
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.47
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.87	U	0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	1.5	U	1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.10
67-64-1	Acetone	58.08	12	U	12	3.8
67-63-0	Isopropyl alcohol	60.10	12	U	12	3.9
75-15-0	Carbon disulfide	76.14	0.403	J	1.6	0.40
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.38
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	15	U	15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.8	U	1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	1.5	U	1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.083
67-66-3	Chloroform	119.38	0.98	U	0.98	0.20
109-99-9	Tetrahydrofuran	72.11	15	U	15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.24
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.20
56-23-5	Carbon tetrachloride	153.81	0.22	U	0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-208427/5

Matrix: Air Lab File ID: 61959-05.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 09/09/2024 13:49

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 208427 Units: ug/m3

Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.18
71-43-2	Benzene	78.11	0.64	U	0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.38
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.23
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.13
80-62-6	Methyl methacrylate	100.12	2.0	U	2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.43
123-91-1	1,4-Dioxane	88.11	18	U	18	0.30
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	2.0	U	2.0	0.53
108-88-3	Toluene	92.14	0.75	U	0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.40
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	2.0	U	2.0	0.61
124-48-1	Dibromochloromethane	208.28	1.7	U	1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.32
108-90-7	Chlorobenzene	112.56	0.92	U	0.92	0.20
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.30
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.41
95-47-6	o-Xylene	106.17	0.87	U	0.87	0.27
100-42-5	Styrene	104.15	0.85	U	0.85	0.25
75-25-2	Bromoform	252.75	2.1	U	2.1	1.2
98-82-8	Cumene	120.19	0.98	U	0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.30
103-65-1	n-Propylbenzene	120.19	0.98	U	0.98	0.23
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.23
95-49-8	2-Chlorotoluene	126.59	1.0	U	1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75030-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-208427/5
 Matrix: Air Lab File ID: 61959-05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 09/09/2024 13:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
 % Moisture: _____ % Solids: _____ Level: (low/med) Low
 Analysis Batch No.: 208427 Units: ug/m3
 Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	1.1	U	1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	0.98	U	0.98	0.39
135-98-8	sec-Butylbenzene	134.22	1.1	U	1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	1.1	U	1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	1.2	U	1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	1.2	U	1.2	0.54
100-44-7	Benzyl chloride	126.58	1.0	U	1.0	0.46
104-51-8	n-Butylbenzene	134.22	1.1	U	1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	1.2	U	1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	3.7	U	3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	2.1	U	2.1	1.2
91-20-3	Naphthalene	128.17	2.0	U	2.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-208427/5

Matrix: Air Lab File ID: 61959-05.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 09/09/2024 13:49

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 208427 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.11
75-45-6	Chlorodifluoromethane	86.47	0.50	U	0.50	0.12
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.048
74-87-3	Chloromethane	50.49	0.50	U	0.50	0.15
106-97-8	n-Butane	58.12	0.50	U	0.50	0.20
75-01-4	Vinyl chloride	62.50	0.078	U	0.078	0.021
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.039
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.071
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.18
593-60-2	Bromoethene (Vinyl Bromide)	106.96	0.20	U	0.20	0.050
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20	0.050
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	0.20	U	0.20	0.053
75-35-4	1,1-Dichloroethene	96.94	0.050	U	0.050	0.026
67-64-1	Acetone	58.08	5.0	U	5.0	1.6
67-63-0	Isopropyl alcohol	60.10	5.0	U	5.0	1.6
75-15-0	Carbon disulfide	76.14	0.129	J	0.50	0.13
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.12
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.18
75-65-0	tert-Butyl alcohol	74.12	5.0	U	5.0	1.2
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.036
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.50	U	0.50	0.11
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.025
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	0.50	U	0.50	0.49
156-59-2	cis-1,2-Dichloroethene	96.94	0.050	U	0.050	0.021
67-66-3	Chloroform	119.38	0.20	U	0.20	0.041
109-99-9	Tetrahydrofuran	72.11	5.0	U	5.0	1.3
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.044
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.058
56-23-5	Carbon tetrachloride	153.81	0.035	U	0.035	0.022

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-208427/5

Matrix: Air Lab File ID: 61959-05.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 09/09/2024 13:49

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 208427 Units: ppb v/v

Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.038
71-43-2	Benzene	78.11	0.20	U	0.20	0.044
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.093
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.055
79-01-6	Trichloroethene	131.39	0.037	U	0.037	0.025
80-62-6	Methyl methacrylate	100.12	0.50	U	0.50	0.14
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.094
123-91-1	1,4-Dioxane	88.11	5.0	U	5.0	0.082
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.050
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.045
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	0.50	U	0.50	0.13
108-88-3	Toluene	92.14	0.20	U	0.20	0.062
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.054
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.074
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.021
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	0.50	U	0.50	0.15
124-48-1	Dibromochloromethane	208.28	0.20	U	0.20	0.063
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.042
108-90-7	Chlorobenzene	112.56	0.20	U	0.20	0.044
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.069
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.095
95-47-6	o-Xylene	106.17	0.20	U	0.20	0.063
100-42-5	Styrene	104.15	0.20	U	0.20	0.059
75-25-2	Bromoform	252.75	0.20	U	0.20	0.12
98-82-8	Cumene	120.19	0.20	U	0.20	0.041
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.043
103-65-1	n-Propylbenzene	120.19	0.20	U	0.20	0.047
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.049
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.047
95-49-8	2-Chlorotoluene	126.59	0.20	U	0.20	0.046

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75030-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-208427/5
 Matrix: Air Lab File ID: 61959-05.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 09/09/2024 13:49
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
 % Moisture: _____ % Solids: _____ Level: (low/med) Low
 Analysis Batch No.: 208427 Units: ppb v/v
 Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	0.20	U	0.20	0.047
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	U	0.20	0.080
135-98-8	sec-Butylbenzene	134.22	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	134.22	0.20	U	0.20	0.061
541-73-1	1,3-Dichlorobenzene	147.00	0.20	U	0.20	0.074
106-46-7	1,4-Dichlorobenzene	147.00	0.20	U	0.20	0.089
100-44-7	Benzyl chloride	126.58	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	134.22	0.20	U	0.20	0.11
95-50-1	1,2-Dichlorobenzene	147.00	0.20	U	0.20	0.066
120-82-1	1,2,4-Trichlorobenzene	181.45	0.50	U	0.50	0.33
87-68-3	Hexachlorobutadiene	260.76	0.20	U	0.20	0.11
91-20-3	Naphthalene	128.17	0.38	U	0.38	0.30

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-05.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 09-Sep-2024 13:49:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0061959-005
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 10-Sep-2024 11:32:42 Calib Date: 17-Aug-2024 04:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: F7XK

Date: 10-Sep-2024 11:32:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.232					ND	
3 Dichlorodifluoromethane	85		4.329					ND	
4 Chlorodifluoromethane	51		4.372					ND	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.682					ND	
6 Chloromethane	50		4.800					ND	
7 Vinyl chloride	62		5.104					ND	
8 Butane	43		5.104					ND	7
9 Butadiene	54		5.217					ND	
10 Bromomethane	94		5.918					ND	
12 Chloroethane	64		6.174					ND	
13 2-Methylbutane	43		6.388					ND	
14 Vinyl bromide	106		6.602					ND	
15 Trichlorofluoromethane	101		6.763					ND	
16 Pentane	43		6.966					ND	
17 Ethanol	45	7.244	7.191	0.053	99	2498		0.3211	
18 Ethyl ether	59		7.399					ND	
19 Acrolein	56		7.635					ND	
20 1,1-Dichloroethene	96		7.822					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		7.860					ND	
22 Acetone	43		7.924					ND	7
24 Carbon disulfide	76	8.229	8.218	0.011	99	6147		0.1295	
23 Isopropyl alcohol	45	8.325	8.250	0.075	97	4374		0.1488	
25 Acetonitrile	41		8.416					ND	
27 3-Chloro-1-propene	41		8.512					ND	7
28 Methylene Chloride	49		8.742					ND	7
29 2-Methyl-2-propanol	59		9.031					ND	
30 Acrylonitrile	53		9.143					ND	
32 trans-1,2-Dichloroethene	61		9.234					ND	
31 Methyl tert-butyl ether	73		9.261					ND	
S 33 1,2-Dichloroethene, Total	61		9.665					ND	7
34 Hexane	57		9.732					ND	
36 1,1-Dichloroethane	63		9.989					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 Vinyl acetate	43		10.005					ND	
37 2-Butanone (MEK)	72		10.968					ND	
38 cis-1,2-Dichloroethene	96		10.978					ND	
39 Ethyl acetate	88		11.048					ND	
* 40 Chlorobromomethane	128	11.390	11.380	0.010	93	96993	10.0	10.0	
41 Tetrahydrofuran	42		11.449					ND	
42 Chloroform	83		11.562					ND	
43 1,1,1-Trichloroethane	97		11.861					ND	
44 Cyclohexane	84		12.000					ND	
45 Carbon tetrachloride	117		12.139					ND	
46 Benzene	78		12.482					ND	
47 1,2-Dichloroethane	62		12.551					ND	
48 Isooctane	57		12.690					ND	
49 n-Heptane	43		13.001					ND	
* 50 1,4-Difluorobenzene	114	13.220	13.209	0.011	97	493440	10.0	10.0	
51 n-Butanol	56		13.493					ND	
52 Trichloroethene	95		13.643					ND	
A 53 GRO	1	14.041	(6.378-21.704)		0	1596207		0	
55 1,2-Dichloropropane	63		14.092					ND	
56 Methyl methacrylate	69		14.188					ND	
58 Dibromomethane	174		14.252					ND	
57 1,4-Dioxane	88		14.268					ND	
59 Dichlorobromomethane	83		14.557					ND	
60 cis-1,3-Dichloropropene	75		15.354					ND	
A 61 TVOC as Toluene	92	15.381	(4.222-26.540)		0	1713467		0	
62 4-Methyl-2-pentanone (MIBK)	43		15.643					ND	
63 Toluene	92		15.991					ND	
A 64 Toluene Range	1	16.002	(15.927-16.077)		0	11008		NC	
66 n-Octane	43		16.237					ND	
A 65 C8 Range	1	16.248	(16.162-16.333)		0	4720		NC	
67 trans-1,3-Dichloropropene	75		16.408					ND	
68 1,1,2-Trichloroethane	83		16.778					ND	
69 Tetrachloroethene	166		16.981					ND	
70 2-Hexanone	43		17.222					ND	
71 Chlorodibromomethane	129		17.516					ND	
72 Ethylene Dibromide	107		17.751					ND	
* 73 Chlorobenzene-d5	117	18.661	18.661	0.000	91	424803	10.0	10.0	
74 Chlorobenzene	112		18.719					ND	7
75 Ethylbenzene	91		18.907					ND	7
76 m-Xylene & p-Xylene	106		19.169					ND	
77 n-Nonane	57		19.233					ND	
S 78 Xylenes, Total	106		19.600					ND	7
79 o-Xylene	106		19.939					ND	
80 Styrene	104		19.977					ND	7
81 Bromoform	173		20.330					ND	
82 Isopropylbenzene	105		20.645					ND	
83 1,1,2,2-Tetrachloroethane	83		21.175					ND	7
84 1,2,3-Trichloropropane	75		21.271					ND	
85 N-Propylbenzene	91		21.368					ND	7
86 2-Chlorotoluene	91		21.517					ND	7
87 4-Ethyltoluene	105		21.565					ND	7
88 1,3,5-Trimethylbenzene	105		21.662					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57		21.694					ND	7
90 Alpha Methyl Styrene	118		21.993					ND	
91 tert-Butylbenzene	119		22.149					ND	7
92 1,2,4-Trimethylbenzene	105		22.234					ND	MU
93 sec-Butylbenzene	105		22.470					ND	7
94 1,3-Dichlorobenzene	146	22.646	22.646	0.000	92	1065		0.0244	
95 4-Isopropyltoluene	119		22.689					ND	7
96 1,4-Dichlorobenzene	146	22.791	22.785	0.006	89	1146		0.0273	
97 Benzyl chloride	91		22.935					ND	MU
98 n-Butylbenzene	91		23.240					ND	7
99 1,2-Dichlorobenzene	146	23.267	23.272	-0.005	90	934		0.0211	
100 Undecane	57		23.384					ND	7
101 Dodecane	57		24.936					ND	7
102 1,2,4-Trichlorobenzene	180	25.669	25.658	0.011	86	985		0.0418	
103 Hexachlorobutadiene	225	25.910	25.904	0.006	76	811		0.0248	
104 Naphthalene	128		26.123					ND	MU
105 1,2,3-Trichlorobenzene	180	26.535	26.530	0.005	83	755		0.0287	
113 Total Alkanes TIC	1		0.000					ND	
114 Methylcyclohexane	83		0.000					ND	
115 1,2,3-Trimethylbenzene TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 10-Sep-2024 11:32:43

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-05.D

Injection Date: 09-Sep-2024 13:49:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: mb

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

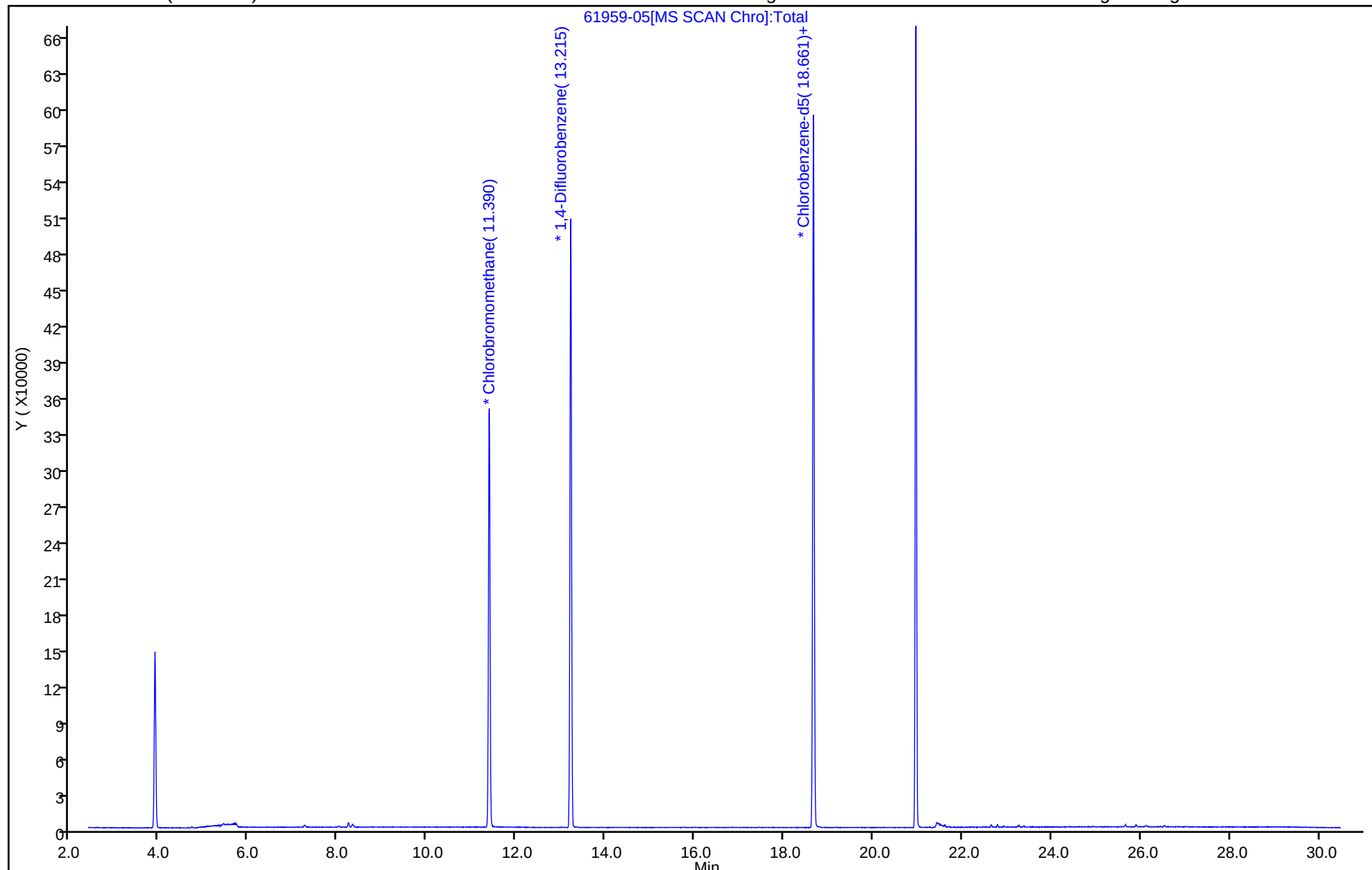
ALS Bottle#: 4

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-05.D

Injection Date: 09-Sep-2024 13:49:30

Instrument ID: CHX.i

Lims ID: mb

Client ID:

Operator ID: wrd

ALS Bottle#: 4

Worklist Smp#: 5

Purge Vol: 200.000 mL

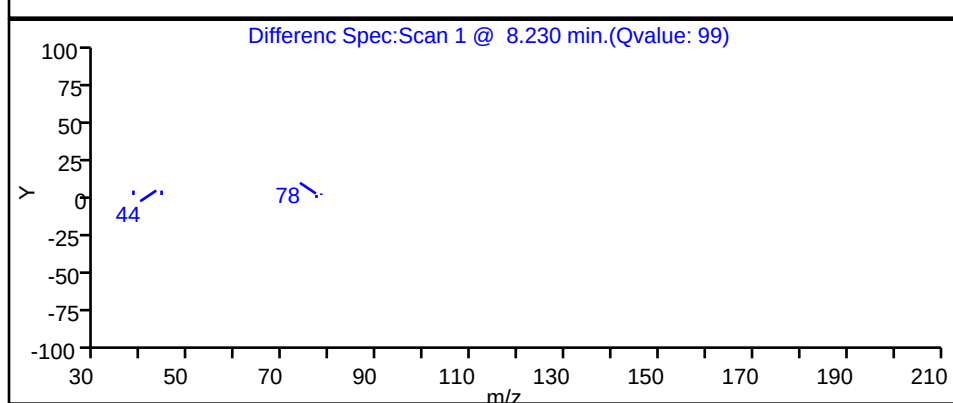
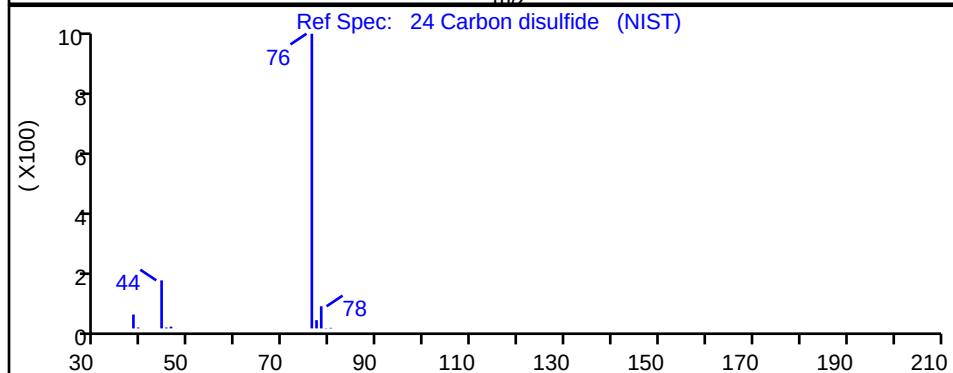
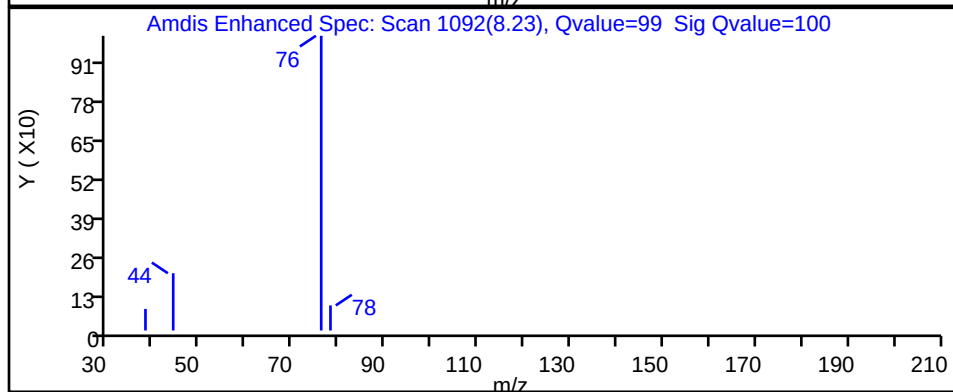
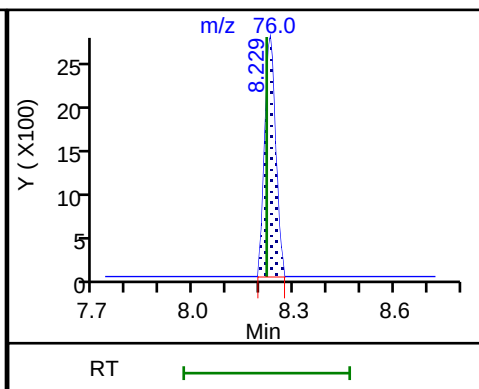
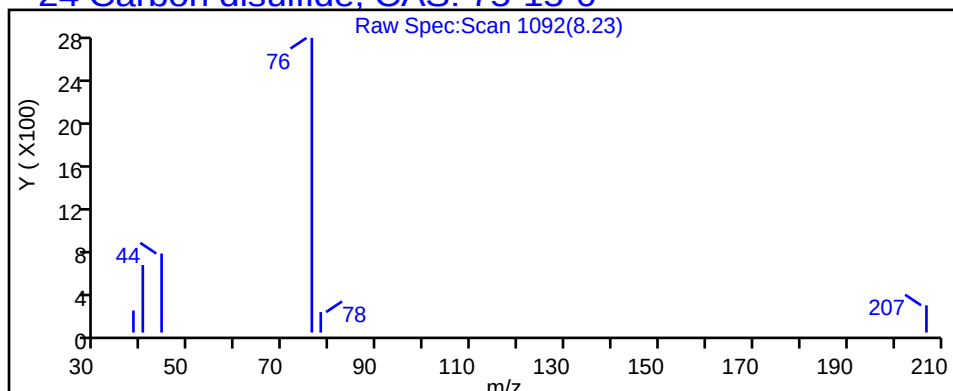
Dil. Factor: 1.0000

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Detector: MS SCAN

24 Carbon disulfide, CAS: 75-15-0

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-05.D

Injection Date: 09-Sep-2024 13:49:30

Instrument ID: CHX.i

Lims ID: mb

Client ID:

Operator ID: wrd

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_X.m

Limit Group:

AI_TO15_ICAL

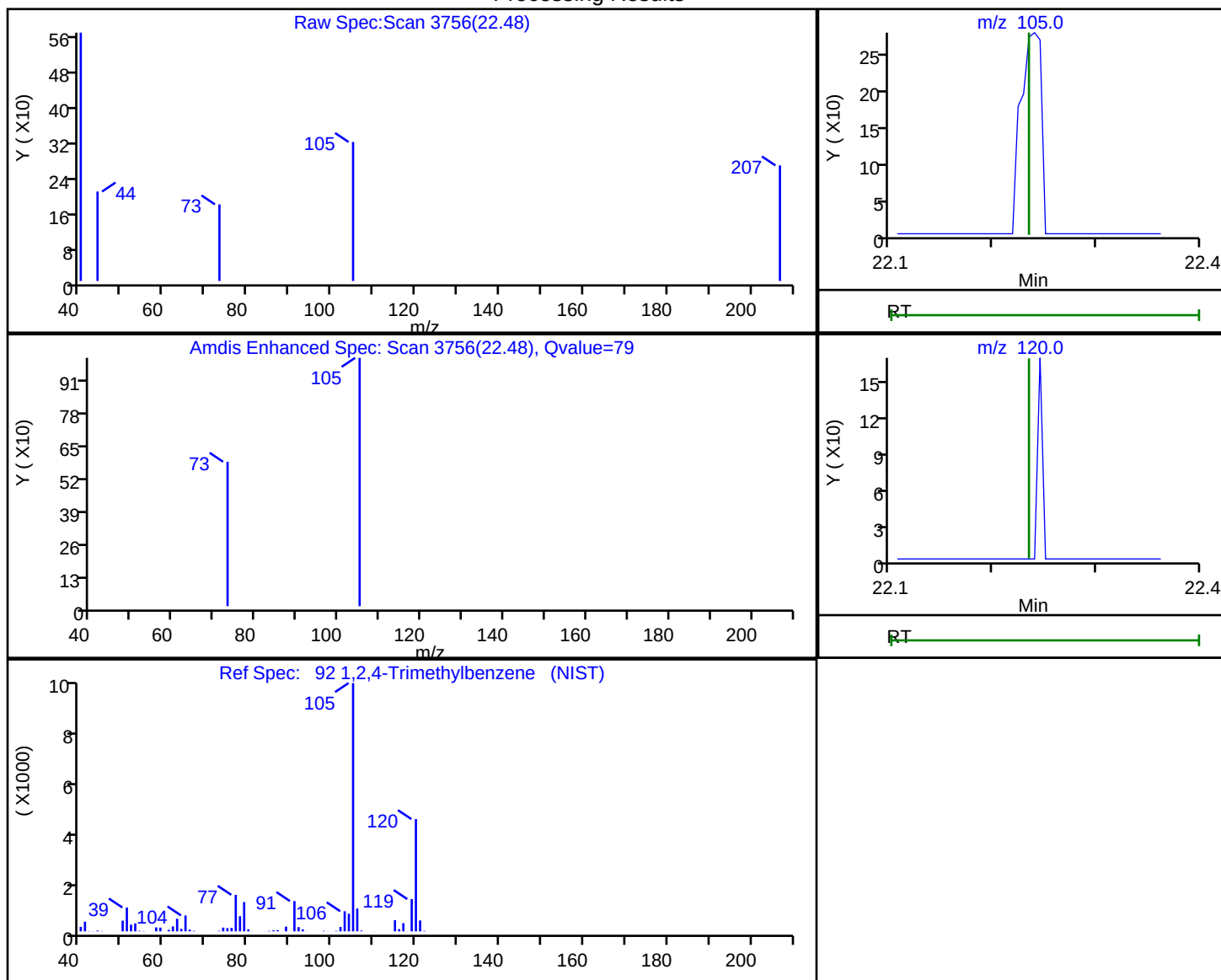
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

92 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
22.48	105.00	517	0.007184
22.23	120.00	0	

Reviewer: F7XK, 10-Sep-2024 11:32:05 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-05.D

Injection Date: 09-Sep-2024 13:49:30

Instrument ID: CHX.i

Lims ID: mb

Client ID:

Operator ID: wrd

ALS Bottle#:

4

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_X.m

Limit Group:

AI_TO15_ICAL

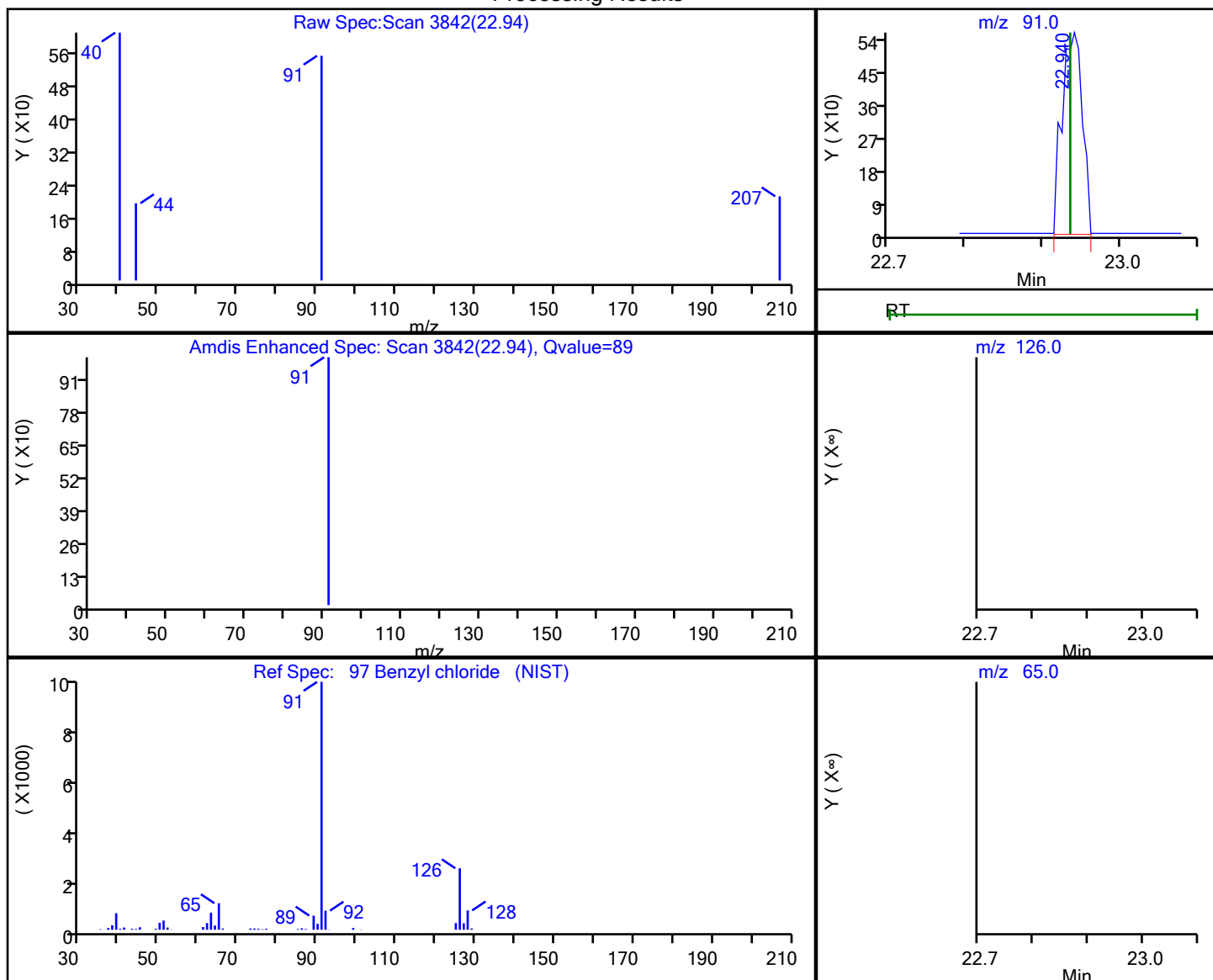
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

97 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
22.94	91.00	1016	0.017963
22.94	126.00	0	
22.94	65.00	0	

Reviewer: F7XK, 10-Sep-2024 11:32:16 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-05.D

Injection Date: 09-Sep-2024 13:49:30

Instrument ID: CHX.i

Lims ID: mb

Client ID:

Operator ID: wrd

ALS Bottle#:

4

Worklist Smp#:

5

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_MasterMethod_X.m

Limit Group:

AI_TO15_ICAL

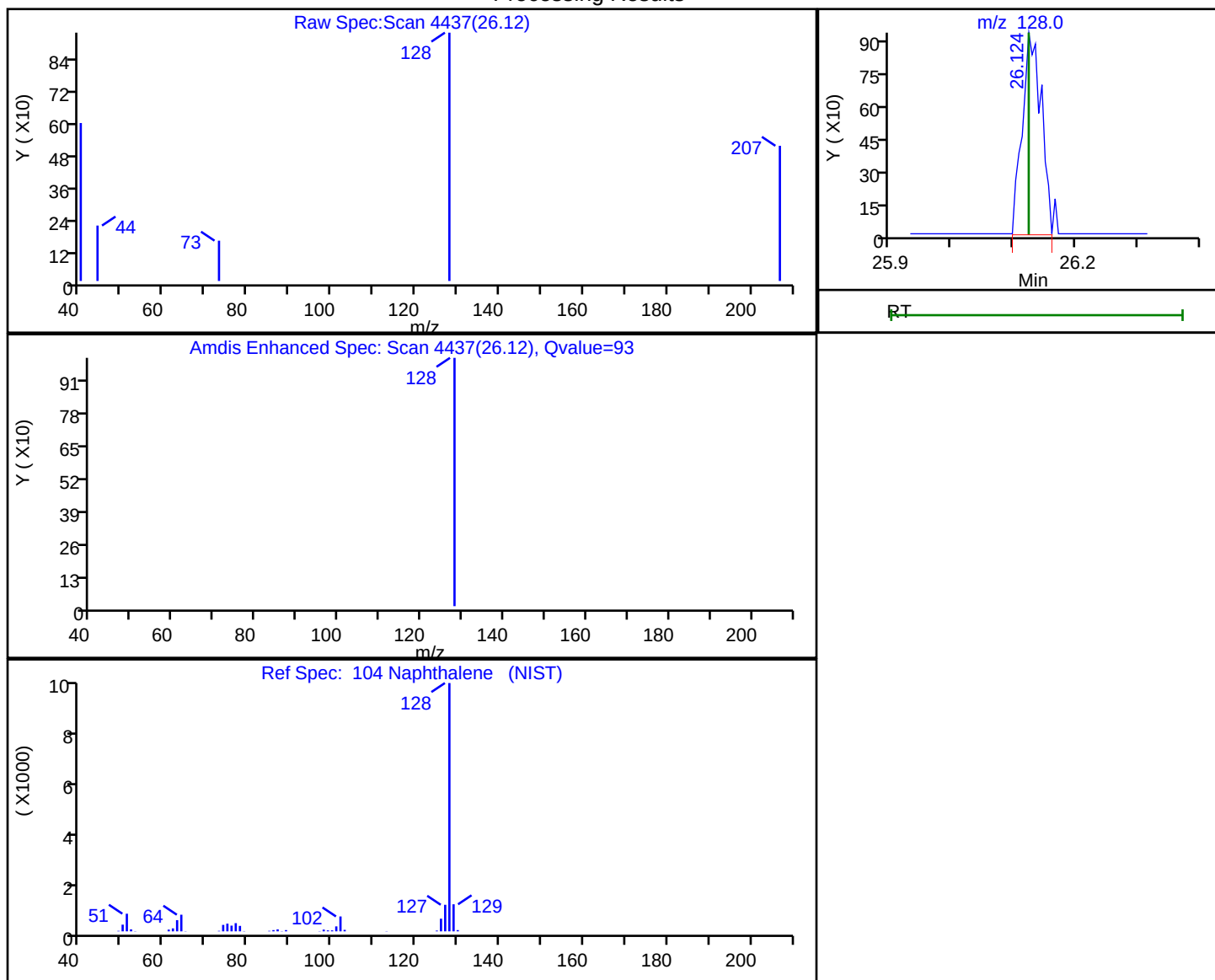
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

104 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
26.12	128.00	2004	0.036428

Reviewer: F7XK, 10-Sep-2024 11:32:33 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-208427/3

Matrix: Air Lab File ID: 61959-03.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 09/09/2024 11:55

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 208427 Units: ug/m3

Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	49.3		2.5	0.54
75-45-6	Chlorodifluoromethane	86.47	40.6		1.8	0.42
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	68.5		1.4	0.34
74-87-3	Chloromethane	50.49	24.0		1.0	0.31
106-97-8	n-Butane	58.12	27.3		1.2	0.48
75-01-4	Vinyl chloride	62.50	26.4		0.20	0.054
106-99-0	1,3-Butadiene	54.09	22.5		0.44	0.086
74-83-9	Bromomethane	94.94	36.5		0.78	0.28
75-00-3	Chloroethane	64.52	30.3		1.3	0.47
593-60-2	Bromoethene (Vinyl Bromide)	106.96	41.1		0.87	0.22
75-69-4	Trichlorofluoromethane	137.37	54.2		1.1	0.28
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	71.8		1.5	0.41
75-35-4	1,1-Dichloroethene	96.94	35.2		0.20	0.10
67-64-1	Acetone	58.08	25.7		12	3.8
67-63-0	Isopropyl alcohol	60.10	30.6		12	3.9
75-15-0	Carbon disulfide	76.14	29.6		1.6	0.40
107-05-1	3-Chloropropene	76.53	33.3		1.6	0.38
75-09-2	Methylene Chloride	84.93	35.5		1.7	0.63
75-65-0	tert-Butyl alcohol	74.12	31.4		15	3.6
1634-04-4	Methyl tert-butyl ether	88.15	35.7		0.72	0.13
156-60-5	trans-1,2-Dichloroethene	96.94	37.5		0.79	0.091
110-54-3	n-Hexane	86.17	35.7		1.8	0.39
75-34-3	1,1-Dichloroethane	98.96	38.0		0.81	0.10
78-93-3	Methyl Ethyl Ketone (2-Butanone)	72.11	28.4		1.5	1.4
156-59-2	cis-1,2-Dichloroethene	96.94	35.9		0.20	0.083
67-66-3	Chloroform	119.38	46.4		0.98	0.20
109-99-9	Tetrahydrofuran	72.11	30.1		15	3.8
71-55-6	1,1,1-Trichloroethane	133.41	50.6		1.1	0.24
110-82-7	Cyclohexane	84.16	33.1		0.69	0.20
56-23-5	Carbon tetrachloride	153.81	56.7		0.22	0.14

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-208427/3

Matrix: Air Lab File ID: 61959-03.D

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 09/09/2024 11:55

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____

% Moisture: _____ % Solids: _____ Level: (low/med) Low

Analysis Batch No.: 208427 Units: ug/m3

Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
540-84-1	2,2,4-Trimethylpentane	114.23	46.3		0.93	0.18
71-43-2	Benzene	78.11	29.8		0.64	0.14
107-06-2	1,2-Dichloroethane	98.96	38.7		0.81	0.38
142-82-5	n-Heptane	100.21	42.2		0.82	0.23
79-01-6	Trichloroethene	131.39	47.5		0.20	0.13
80-62-6	Methyl methacrylate	100.12	40.0		2.0	0.57
78-87-5	1,2-Dichloropropane	112.99	44.1		0.92	0.43
123-91-1	1,4-Dioxane	88.11	30.8		18	0.30
75-27-4	Bromodichloromethane	163.83	63.9		1.3	0.34
10061-01-5	cis-1,3-Dichloropropene	110.97	45.3		0.91	0.20
108-10-1	4-Methyl-2-pentanone (Methyl isobutyl ketone)	100.16	39.6		2.0	0.53
108-88-3	Toluene	92.14	35.4		0.75	0.23
10061-02-6	trans-1,3-Dichloropropene	110.97	45.7		0.91	0.25
79-00-5	1,1,2-Trichloroethane	133.41	50.8		1.1	0.40
127-18-4	Tetrachloroethene	165.83	57.4		1.4	0.14
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	39.2		2.0	0.61
124-48-1	Dibromochloromethane	208.28	80.3		1.7	0.54
106-93-4	1,2-Dibromoethane	187.87	72.4		1.5	0.32
108-90-7	Chlorobenzene	112.56	42.3		0.92	0.20
100-41-4	Ethylbenzene	106.17	41.4		0.87	0.30
179601-23-1	m,p-Xylene	106.17	83.4		2.2	0.41
95-47-6	o-Xylene	106.17	41.6		0.87	0.27
100-42-5	Styrene	104.15	42.2		0.85	0.25
75-25-2	Bromoform	252.75	102		2.1	1.2
98-82-8	Cumene	120.19	47.4		0.98	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	64.9		1.4	0.30
103-65-1	n-Propylbenzene	120.19	47.7		0.98	0.23
622-96-8	4-Ethyltoluene	120.20	47.7		0.98	0.24
108-67-8	1,3,5-Trimethylbenzene	120.20	47.1		0.98	0.23
95-49-8	2-Chlorotoluene	126.59	49.4		1.0	0.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-75030-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-208427/3
 Matrix: Air Lab File ID: 61959-03.D
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 09/09/2024 11:55
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 Purge Volume: _____ Heated Purge: (Y/N) _____ pH: _____
 % Moisture: _____ % Solids: _____ Level: (low/med) Low
 Analysis Batch No.: 208427 Units: ug/m3
 Preparation Batch No.: _____ Instrument ID: CHX.i

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
98-06-6	tert-Butylbenzene	134.22	52.4		1.1	0.26
95-63-6	1,2,4-Trimethylbenzene	120.20	47.6		0.98	0.39
135-98-8	sec-Butylbenzene	134.22	52.9		1.1	0.25
99-87-6	4-Isopropyltoluene	134.22	53.8		1.1	0.33
541-73-1	1,3-Dichlorobenzene	147.00	58.5		1.2	0.44
106-46-7	1,4-Dichlorobenzene	147.00	59.7		1.2	0.54
100-44-7	Benzyl chloride	126.58	56.2		1.0	0.46
104-51-8	n-Butylbenzene	134.22	56.2		1.1	0.60
95-50-1	1,2-Dichlorobenzene	147.00	58.3		1.2	0.40
120-82-1	1,2,4-Trichlorobenzene	181.45	82.8		3.7	2.4
87-68-3	Hexachlorobutadiene	260.76	107		2.1	1.2
91-20-3	Naphthalene	128.17	66.5		2.0	1.6

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-03.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 09-Sep-2024 11:55:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0061959-003
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 10-Sep-2024 11:28:15 Calib Date: 17-Aug-2024 04:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHX.i\20240816-61667.b\61667-15.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: F7XK

Date: 10-Sep-2024 11:29:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41	4.227	4.232	-0.005	98	118871	10.0	14.0	
3 Dichlorodifluoromethane	85	4.323	4.329	-0.006	99	311183	10.0	9.96	
4 Chlorodifluoromethane	51	4.366	4.372	-0.006	97	216823	10.0	11.5	
5 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.682	4.682	0.000	96	337253	10.0	9.80	
6 Chloromethane	50	4.799	4.800	-0.001	99	134531	10.0	11.6	
7 Vinyl chloride	62	5.099	5.104	-0.005	98	206410	10.0	10.3	
8 Butane	43	5.104	5.104	0.000	99	352149	10.0	11.5	
9 Butadiene	54	5.217	5.217	0.000	98	169625	10.0	10.2	
11 BFB									
10 Bromomethane	94	5.918	5.918	0.000	99	176236	10.0	9.40	
12 Chloroethane	64	6.180	6.174	0.006	100	105384	10.0	11.5	
13 2-Methylbutane	43	6.383	6.388	-0.005	95	207953	10.0	11.3	
14 Vinyl bromide	106	6.602	6.602	0.000	99	114393	10.0	9.40	
15 Trichlorofluoromethane	101	6.763	6.763	0.000	98	306102	10.0	9.64	
16 Pentane	43	6.966	6.966	0.000	98	328567	10.0	11.4	
17 Ethanol	45	7.201	7.191	0.010	98	128960	15.0	17.0	
18 Ethyl ether	59	7.405	7.399	0.006	92	110554	10.0	10.5	
19 Acrolein	56	7.640	7.635	0.005	96	74903	10.0	12.7	
20 1,1-Dichloroethene	96	7.817	7.822	-0.005	92	129048	10.0	8.87	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	7.859	7.860	-0.001	94	271296	10.0	9.37	
22 Acetone	43	7.929	7.924	0.005	98	275240	10.0	10.8	
24 Carbon disulfide	76	8.218	8.218	0.000	100	440044	10.0	9.52	
23 Isopropyl alcohol	45	8.255	8.250	0.005	100	356019	10.0	12.4	
25 Acetonitrile	41	8.421	8.416	0.005	100	167819	10.0	11.1	
27 3-Chloro-1-propene	41	8.512	8.512	0.000	93	266629	10.0	10.6	
28 Methylene Chloride	49	8.742	8.742	0.000	95	231636	10.0	10.2	
29 2-Methyl-2-propanol	59	9.031	9.031	0.000	96	343512	10.0	10.3	
30 Acrylonitrile	53	9.149	9.143	0.006	94	141088	10.0	10.2	
32 trans-1,2-Dichloroethene	61	9.234	9.234	0.000	92	255688	10.0	9.47	
31 Methyl tert-butyl ether	73	9.266	9.261	0.005	98	436394	10.0	9.89	
S 33 1,2-Dichloroethene, Total	61				0		20.0	18.5	
34 Hexane	57	9.737	9.732	0.005	95	292901	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 1,1-Dichloroethane	63	9.994	9.989	0.005	99	327078	10.0	9.39	
35 Vinyl acetate	43	10.010	10.005	0.005	100	585140	10.0	11.9	
37 2-Butanone (MEK)	72	10.968	10.968	0.000	99	83824	10.0	9.62	
38 cis-1,2-Dichloroethene	96	10.984	10.978	0.006	98	154950	10.0	9.07	
39 Ethyl acetate	88	11.048	11.048	0.000	98	12557	10.0	9.67	
* 40 Chlorobromomethane	128	11.385	11.380	0.005	93	94471	10.0	10.0	
41 Tetrahydrofuran	42	11.449	11.449	0.000	94	253937	10.0	10.2	
42 Chloroform	83	11.567	11.562	0.005	96	320990	10.0	9.51	
43 1,1,1-Trichloroethane	97	11.861	11.861	0.000	96	298604	10.0	9.27	
44 Cyclohexane	84	12.000	12.000	0.000	93	207790	10.0	9.61	
45 Carbon tetrachloride	117	12.139	12.139	0.000	97	300872	10.0	9.02	
46 Benzene	78	12.482	12.482	0.000	98	502036	10.0	9.32	
47 1,2-Dichloroethane	62	12.557	12.551	0.006	96	230809	10.0	9.55	
48 Isooctane	57	12.696	12.690	0.006	98	963108	10.0	9.92	
49 n-Heptane	43	13.001	13.001	0.000	98	408002	10.0	10.3	
* 50 1,4-Difluorobenzene	114	13.215	13.209	0.006	97	486695	10.0	10.0	
51 n-Butanol	56	13.493	13.493	0.000	93	138071	10.0	9.82	
52 Trichloroethene	95	13.643	13.643	-0.001	93	200616	10.0	8.83	
A 53 GRO	1	14.038	(6.378-21.704)		0	74917389	649.9	0	
55 1,2-Dichloropropane	63	14.097	14.092	0.005	91	225350	10.0	9.55	
56 Methyl methacrylate	69	14.194	14.188	0.006	90	192312	10.0	9.76	
58 Dibromomethane	174	14.252	14.252	0.000	94	169419	10.0	9.00	
57 1,4-Dioxane	88	14.263	14.268	-0.005	98	97622	10.0	8.54	
59 Dichlorobromomethane	83	14.563	14.557	0.006	97	358465	10.0	9.54	
60 cis-1,3-Dichloropropene	75	15.360	15.354	0.006	97	333543	10.0	9.98	
A 61 TVOC as Toluene	92	15.378	(4.222-26.540)		0	117347594	899.8	0	
62 4-Methyl-2-pentanone (MIBK)	43	15.643	15.643	0.000	98	504214	10.0	9.67	
63 Toluene	92	15.996	15.991	0.005	93	335845	10.0	9.38	
A 64 Toluene Range	1	15.999	(15.927-16.077)		0	1459341	NC	NC	
66 n-Octane	43	16.242	16.237	0.005	98	576329	10.0	10.4	
A 65 C8 Range	1	16.248	(16.162-16.333)		0	1918125	NC	NC	
67 trans-1,3-Dichloropropene	75	16.408	16.408	0.000	98	268190	10.0	10.1	
68 1,1,2-Trichloroethane	83	16.783	16.778	0.005	96	180150	10.0	9.31	
69 Tetrachloroethene	166	16.981	16.981	0.000	94	236111	10.0	8.47	
70 2-Hexanone	43	17.221	17.222	-0.001	91	465100	10.0	9.56	
71 Chlorodibromomethane	129	17.516	17.516	0.000	97	326500	10.0	9.43	
72 Ethylene Dibromide	107	17.751	17.751	0.000	98	301712	10.0	9.42	
* 73 Chlorobenzene-d5	117	18.661	18.661	0.000	90	448807	10.0	10.0	
74 Chlorobenzene	112	18.719	18.719	0.000	91	440531	10.0	9.20	
75 Ethylbenzene	91	18.907	18.907	0.000	99	770688	10.0	9.52	
76 m-Xylene & p-Xylene	106	19.169	19.169	0.000	0	579184	20.0	19.2	
77 n-Nonane	57	19.233	19.233	0.000	96	476394	10.0	9.83	
S 78 Xylenes, Total	106				0		30.0	28.8	
79 o-Xylene	106	19.939	19.939	0.000	98	272916	10.0	9.58	
80 Styrene	104	19.977	19.977	0.000	99	452824	10.0	9.91	
81 Bromoform	173	20.330	20.330	0.000	95	315682	10.0	9.86	
82 Isopropylbenzene	105	20.645	20.645	0.000	97	836434	10.0	9.65	
83 1,1,2,2-Tetrachloroethane	83	21.175	21.175	0.000	97	503355	10.0	9.46	
84 1,2,3-Trichloropropane	75	21.271	21.271	0.000	98	393950	10.0	9.44	
85 N-Propylbenzene	91	21.373	21.368	0.005	98	1075341	10.0	9.70	
86 2-Chlorotoluene	91	21.517	21.517	0.000	97	663460	10.0	9.54	
87 4-Ethyltoluene	105	21.571	21.565	0.006	98	841535	10.0	9.70	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 1,3,5-Trimethylbenzene	105	21.662	21.662	0.000	92	721955	10.0	9.57	
89 n-Decane	57	21.694	21.694	0.000	88	630379	10.0	9.47	
90 Alpha Methyl Styrene	118	21.993	21.993	0.000	86	361179	10.0	10.1	
91 tert-Butylbenzene	119	22.149	22.149	0.000	92	686578	10.0	9.55	
92 1,2,4-Trimethylbenzene	105	22.234	22.234	0.000	98	735799	10.0	9.68	
93 sec-Butylbenzene	105	22.475	22.470	0.005	99	1098976	10.0	9.64	
94 1,3-Dichlorobenzene	146	22.646	22.646	0.000	99	448963	10.0	9.73	
95 4-Isopropyltoluene	119	22.689	22.689	0.000	97	907068	10.0	9.79	
96 1,4-Dichlorobenzene	146	22.785	22.785	0.000	93	439830	10.0	9.92	
97 Benzyl chloride	91	22.935	22.935	0.000	98	648934	10.0	10.9	
98 n-Butylbenzene	91	23.235	23.240	-0.005	98	925950	10.0	10.2	
99 1,2-Dichlorobenzene	146	23.272	23.272	0.000	94	453519	10.0	9.70	
100 Undecane	57	23.384	23.384	0.000	97	692319	10.0	9.49	
101 Dodecane	57	24.930	24.936	-0.006	93	643048	10.0	9.70	
102 1,2,4-Trichlorobenzene	180	25.658	25.658	0.000	94	277818	10.0	11.2	
103 Hexachlorobutadiene	225	25.899	25.904	-0.005	97	348399	10.0	10.1	
104 Naphthalene	128	26.123	26.123	0.000	99	737763	10.0	12.7	
105 1,2,3-Trichlorobenzene	180	26.530	26.530	0.000	95	296887	10.0	10.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ATTO15LCSW_00879

Amount Added: 200.00

Units: mL

ATTO15XISs_00003

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 10-Sep-2024 11:29:34

Chrom Revision: 2.3 26-Aug-2024 17:14:48

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHX.i\20240909-61959.b\61959-03.D

Injection Date: 09-Sep-2024 11:55:30

Instrument ID: CHX.i

Operator ID: wrd

Lims ID: lcs

Worklist Smp#: 3

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

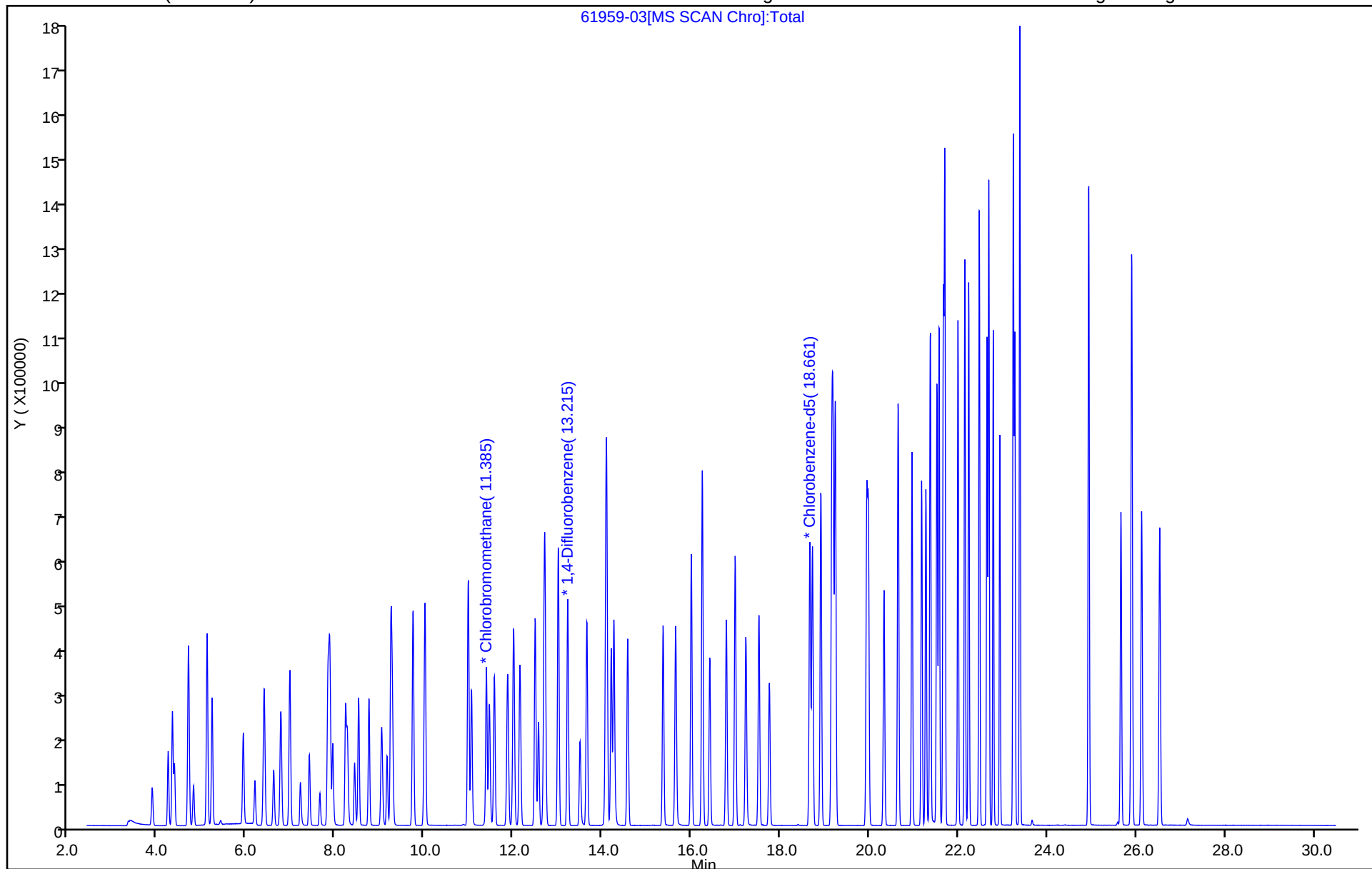
ALS Bottle#: 2

Method: TO15_MasterMethod_X.m

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-75030-1

SDG No.: _____

Instrument ID: CHX.iStart Date: 08/16/2024 14:49Analysis Batch Number: 207672End Date: 08/17/2024 09:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-207672/1		08/16/2024 14:49	1	61667-01.D	RTX-624 0.32 (mm)
IC 200-207672/4		08/16/2024 17:42	1	61667-04.D	RTX-624 0.32 (mm)
IC 200-207672/5		08/16/2024 18:38	1	61667-05.D	RTX-624 0.32 (mm)
ZZZZZ		08/16/2024 18:38	1		RTX-624 0.32 (mm)
IC 200-207672/7		08/16/2024 20:32	1	61667-07.D	RTX-624 0.32 (mm)
ZZZZZ		08/16/2024 20:32	1		RTX-624 0.32 (mm)
IC 200-207672/9		08/16/2024 22:25	1	61667-09.D	RTX-624 0.32 (mm)
ZZZZZ		08/16/2024 22:25	1		RTX-624 0.32 (mm)
ICIS 200-207672/10		08/16/2024 23:22	1	61667-10.D	RTX-624 0.32 (mm)
IC 200-207672/11		08/17/2024 00:20	1	61667-11.D	RTX-624 0.32 (mm)
IC 200-207672/14		08/17/2024 03:13	1	61667-14.D	RTX-624 0.32 (mm)
IC 200-207672/15		08/17/2024 04:14	1	61667-15.D	RTX-624 0.32 (mm)
ZZZZZ		08/17/2024 06:09	1		RTX-624 0.32 (mm)
ZZZZZ		08/17/2024 07:06	1		RTX-624 0.32 (mm)
ICV 200-207672/20		08/17/2024 09:01	1	61667-20.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-75030-1

SDG No.: _____

Instrument ID: CHX.iStart Date: 09/09/2024 10:00Analysis Batch Number: 208427End Date: 09/10/2024 05:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-208427/1		09/09/2024 10:00	1	61959-01.D	RTX-624 0.32 (mm)
CCVIS 200-208427/2		09/09/2024 10:58	1	61959-02.D	RTX-624 0.32 (mm)
LCS 200-208427/3		09/09/2024 11:55	1	61959-03.D	RTX-624 0.32 (mm)
ZZZZZ		09/09/2024 12:52	1		RTX-624 0.32 (mm)
MB 200-208427/5		09/09/2024 13:49	1	61959-05.D	RTX-624 0.32 (mm)
ZZZZZ		09/09/2024 15:00	0.2		RTX-624 0.32 (mm)
ZZZZZ		09/09/2024 15:57	10		RTX-624 0.32 (mm)
ZZZZZ		09/09/2024 16:54	10		RTX-624 0.32 (mm)
ZZZZZ		09/09/2024 17:51	25		RTX-624 0.32 (mm)
ZZZZZ		09/09/2024 18:49	1		RTX-624 0.32 (mm)
ZZZZZ		09/09/2024 19:47	1		RTX-624 0.32 (mm)
ZZZZZ		09/09/2024 20:43	10		RTX-624 0.32 (mm)
ZZZZZ		09/09/2024 21:39	50		RTX-624 0.32 (mm)
ZZZZZ		09/09/2024 22:38	2.61		RTX-624 0.32 (mm)
ZZZZZ		09/09/2024 23:35	1		RTX-624 0.32 (mm)
ZZZZZ		09/10/2024 00:33	1		RTX-624 0.32 (mm)
ZZZZZ		09/10/2024 01:29	100		RTX-624 0.32 (mm)
ZZZZZ		09/10/2024 02:25	500		RTX-624 0.32 (mm)
ZZZZZ		09/10/2024 03:21	200		RTX-624 0.32 (mm)
ZZZZZ		09/10/2024 04:18	1000		RTX-624 0.32 (mm)
200-75030-1	RX-23	09/10/2024 05:16	1	61959-21.D	RTX-624 0.32 (mm)

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Batch Number: 207672 Batch Start Date: 08/16/24 14:49 Batch Analyst: Bourdeau, Timothy PBatch Method: TO-15 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ATTO15CAL1w 00271	ATTO15CAL2w 00351	ATTO15CAL3w 00280	ATTO15CAL4w 00829
BFB 200-207672/1		TO-15			200 mL	200 mL				
IC 200-207672/4		TO-15			200 mL	200 mL	35 mL			
IC 200-207672/5		TO-15			200 mL	200 mL	170 mL			
IC 200-207672/7		TO-15			200 mL	200 mL		170 mL		
IC 200-207672/9		TO-15			200 mL	200 mL			170 mL	
ICIS 200-207672/10		TO-15			200 mL	200 mL				200 mL
IC 200-207672/11		TO-15			200 mL	200 mL				
IC 200-207672/14		TO-15			200 mL	200 mL				
IC 200-207672/15		TO-15			200 mL	200 mL				
ICV 200-207672/20		TO-15			200 mL	200 mL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	ATTO15CAL5w 00148	ATTO15CAL6w 00237	ATTO15LCSW 00879	ATTO15XISS 00003		
BFB 200-207672/1		TO-15						20 mL		
IC 200-207672/4		TO-15						20 mL		
IC 200-207672/5		TO-15						20 mL		
IC 200-207672/7		TO-15						20 mL		
IC 200-207672/9		TO-15						20 mL		
ICIS 200-207672/10		TO-15						20 mL		
IC 200-207672/11		TO-15			200 mL			20 mL		
IC 200-207672/14		TO-15				200 mL		20 mL		
IC 200-207672/15		TO-15				400 mL		20 mL		
ICV 200-207672/20		TO-15					200 mL	20 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.

TO-15

Page 1 of 2

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Batch Number: 207672 Batch Start Date: 08/16/24 14:49 Batch Analyst: Bourdeau, Timothy PBatch Method: TO-15 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.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 200-75030-1

SDG No.: _____

Batch Number: 208427 Batch Start Date: 09/09/24 10:00 Batch Analyst: Bunma, Arthit 1Batch Method: TO-15 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ATTO15CAL4w 00829	ATTO15LCSW 00879	ATTO15XIIS 00003	
BFB 200-208427/1		TO-15			200 mL	200 mL			20 mL	
CCVIS 200-208427/2		TO-15			200 mL	200 mL	200 mL		20 mL	
LCS 200-208427/3		TO-15			200 mL	200 mL		200 mL	20 mL	
MB 200-208427/5		TO-15			200 mL	200 mL			20 mL	
200-75030-A-1	RX-23	TO-15	Air	T	200 mL	200 mL			20 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.

[illegible]

Canister Cleaning & Pre-Shipment Leak Test

¹ Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

Results of the present study indicate that the DM may be a risk factor for the development of endometriosis. The DM may be a risk factor for the development of endometriosis.

Clean Canister Certification Analysis & Authorization

Test Method: ☐ 1013 Routine ☐ 1013 LL		Inventory Level	
Can ID	Date	Amount	
1		Sequence	2

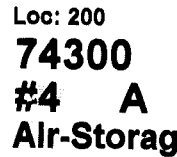
Inventory Level 1: Individual Canister Certification (T0151, 001)

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	

Inventory Level Limited: Canisters may only be used for certain projects.

Revision Date: 12/18/2018

TestAmerica Burlington



FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-74300-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 61180_003.D
 Lab ID: LCS 200-206395/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Ethylbenzene	10.0	10.0	100	74-122	
Styrene	10.0	10.5	105	74-125	
1,3-Dichloropropene, cis-	10.0	10.1	101	74-125	
1,3-Dichloropropene, trans-	10.0	11.7	117	74-128	
1,4-Dichlorobenzene	10.0	11.3	113	67-132	
1,2-Dibromoethane	10.0	9.97	100	78-122	
1,3-Butadiene	10.0	9.39	94	58-139	
Allyl chloride	10.0	8.70	87	50-150	
1,2-Dichloroethane	10.0	12.4	124	68-135	
Methyl isobutyl ketone (MIBK)	10.0	10.4	104	58-144	
1,3,5-Trimethylbenzene	10.0	11.0	110	72-126	
Toluene	10.0	9.64	96	75-122	
Chlorobenzene	10.0	9.67	97	76-119	
Tetrahydrofuran	10.0	8.65	87	60-149	
Hexane	10.0	8.70	87	63-138	
Cyclohexane	10.0	8.98	90	76-124	
1,2,4-Trichlorobenzene	10.0	13.3	133	50-150	
1,4-Dioxane	10.0	10.8	108	66-129	
Dibromochloromethane	10.0	11.6	116	73-125	
Tetrachloroethene	10.0	10.1	102	70-125	
n-Heptane	10.0	9.21	92	60-142	
1,2-Dichloroethene, cis-	10.0	8.93	89	72-121	
1,2-Dichloroethene, trans-	10.0	10.0	100	69-137	
Methyl tert-butyl ether	10.0	10.7	107	70-127	
m,p-Xylene	20.0	19.6	98	76-121	
2,2,4-Trimethylpentane	10.0	8.90	89	68-131	
1,3-Dichlorobenzene	10.0	11.0	110	69-131	
Carbon tetrachloride	10.0	12.5	125	71-133	
Vinyl bromide	10.0	10.3	104	75-125	
4-Ethyltoluene	10.0	10.8	108	75-129	
Ethanol	15.0	12.6	84	50-150	
Isopropanol	10.0	10.0	100	53-142	
Acetone	10.0	11.0	110	54-154	
Chloroform	10.0	10.7	107	73-124	
Benzene	10.0	9.08	91	73-119	
1,1,1-Trichloroethane	10.0	11.8	118	72-127	
Bromomethane	10.0	10.0	100	72-124	
Chloromethane	10.0	10.1	101	56-141	
Chloroethane	10.0	9.66	97	68-130	
Vinyl chloride	10.0	9.84	98	61-135	
Methylene Chloride	10.0	9.46	95	59-137	
Carbon disulfide	10.0	9.09	91	71-138	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 200-74300-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: 61180_003.D
 Lab ID: LCS 200-206395/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromoform	10.0	14.2	142	53-149	
Bromodichloromethane	10.0	11.5	115	75-127	
1,1-Dichloroethane	10.0	9.14	91	66-130	
1,1-Dichloroethene	10.0	8.77	88	68-120	
tert-Butyl alcohol	10.0	11.2	112	66-132	
Trichlorofluoromethane	10.0	12.6	126	70-129	
Dichlorodifluoromethane	10.0	12.3	123	61-142	
1,1,2-Trichloro-1,2,2-trifluor oethane	10.0	9.66	97	70-121	
1,2-Dichlorotetrafluoroethane	10.0	10.8	108	71-141	
1,2-Dichloropropane	10.0	9.10	91	69-128	
Methyl ethyl ketone (MEK)	10.0	9.02	90	72-124	
1,1,2-Trichloroethane	10.0	9.21	92	75-126	
Trichloroethene	10.0	9.88	99	73-122	
1,1,2,2-Tetrachloroethane	10.0	9.49	95	74-126	
Methyl methacrylate	10.0	9.72	97	73-129	
Hexachlorobutadiene	10.0	13.7	137	58-130	*+
Naphthalene	10.0	15.2	152	50-150	*+
Xylene, o-	10.0	9.93	99	73-123	
2-Chlorotoluene	10.0	10.5	105	74-126	
1,2-Dichlorobenzene	10.0	11.2	112	68-129	
1,2,4-Trimethylbenzene	10.0	10.8	108	71-129	
2-Hexanone	10.0	10.2	102	57-143	
Propene	10.0	9.66	97	50-158	
Chlorodifluoromethane	10.0	10.8	108	60-147	
Butane	10.0	11.2	112	53-151	
Vinyl acetate	10.0	9.60	96	59-149	
Ethyl acetate	10.0	9.50	95	70-131	
Isopropylbenzene	10.0	10.7	107	73-123	
N-Propylbenzene	10.0	10.6	106	73-127	
tert-Butylbenzene	10.0	11.0	110	71-125	
sec-Butylbenzene	10.0	11.0	110	70-128	
4-Isopropyltoluene	10.0	11.2	112	68-130	
Benzyl chloride	10.0	11.1	111	60-136	
n-Butylbenzene	10.0	11.4	114	65-137	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 200-74300-1
SDG No.: _____
Lab File ID: 61180_005.D Lab Sample ID: MB 200-206395/5
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: CHAN.i Date Analyzed: 07/16/2024 10:42
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-206395/3	61180_003.D	07/16/2024 08:57
34001487	200-74300-4	61180_007.D	07/16/2024 12:37

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-74300-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-206395/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>61180_005.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>07/16/2024 10:42</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>206395</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.20	U	0.20	0.069
100-42-5	Styrene	0.20	U	0.20	0.059
10061-01-5	1,3-Dichloropropene, cis-	0.20	U	0.20	0.045
10061-02-6	1,3-Dichloropropene, trans-	0.20	U	0.20	0.054
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.089
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.042
106-99-0	1,3-Butadiene	0.20	U	0.20	0.039
107-05-1	Allyl chloride	0.50	U	0.50	0.12
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.093
108-10-1	Methyl isobutyl ketone (MIBK)	0.50	U	0.50	0.13
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.047
108-88-3	Toluene	0.20	U	0.20	0.062
108-90-7	Chlorobenzene	0.20	U	0.20	0.044
109-99-9	Tetrahydrofuran	5.0	U	5.0	1.3
110-54-3	Hexane	0.50	U	0.50	0.11
110-82-7	Cyclohexane	0.20	U	0.20	0.058
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.33
123-91-1	1,4-Dioxane	0.20	U	0.20	0.082
124-48-1	Dibromochloromethane	0.20	U	0.20	0.063
127-18-4	Tetrachloroethene	0.20	U	0.20	0.021
142-82-5	n-Heptane	0.20	U	0.20	0.055
156-59-2	1,2-Dichloroethene, cis-	0.14	U	0.14	0.021
156-60-5	1,2-Dichloroethene, trans-	0.20	U	0.20	0.023
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.036
179601-23-1	m,p-Xylene	0.50	U	0.50	0.095
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.038
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.074
56-23-5	Carbon tetrachloride	0.14	U	0.14	0.022
593-60-2	Vinyl bromide	0.20	U	0.20	0.050
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.049
64-17-5	Ethanol	5.0	U	5.0	2.6
67-63-0	Isopropanol	5.0	U	5.0	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-74300-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-206395/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>61180_005.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>07/16/2024 10:42</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>206395</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	5.0	U	5.0	1.6
67-66-3	Chloroform	0.20	U	0.20	0.041
71-43-2	Benzene	0.20	U	0.20	0.044
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.044
74-83-9	Bromomethane	0.20	U	0.20	0.071
74-87-3	Chloromethane	0.50	U	0.50	0.15
75-00-3	Chloroethane	0.50	U	0.50	0.18
75-01-4	Vinyl chloride	0.14	U	0.14	0.021
75-09-2	Methylene Chloride	0.50	U	0.50	0.18
75-15-0	Carbon disulfide	0.50	U	0.50	0.13
75-25-2	Bromoform	0.20	U	0.20	0.12
75-27-4	Bromodichloromethane	0.20	U	0.20	0.050
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.025
75-35-4	1,1-Dichloroethene	0.14	U	0.14	0.026
75-65-0	tert-Butyl alcohol	5.0	U	5.0	1.2
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.050
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.20	U	0.20	0.053
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.094
78-93-3	Methyl ethyl ketone (MEK)	0.50	U	0.50	0.49
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.074
79-01-6	Trichloroethene	0.14	U	0.14	0.025
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043
80-62-6	Methyl methacrylate	0.50	U	0.50	0.14
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.11
91-20-3	Naphthalene	0.50	U	0.50	0.30
95-47-6	Xylene, o-	0.20	U	0.20	0.063
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.046
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.066
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.080
591-78-6	2-Hexanone	0.50	U	0.50	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-74300-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 200-206395/5</u>
Matrix: <u>Air</u>	Lab File ID: <u>61180_005.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: _____
Sample wt/vol: <u>200 (mL)</u>	Date Analyzed: <u>07/16/2024 10:42</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>206395</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
115-07-1	Propene	5.0	U	5.0	1.2
75-45-6	Chlorodifluoromethane	0.50	U	0.50	0.12
106-97-8	Butane	0.50	U	0.50	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	1.2
141-78-6	Ethyl acetate	5.0	U	5.0	1.6
98-82-8	Isopropylbenzene	0.20	U	0.20	0.041
103-65-1	N-Propylbenzene	0.20	U	0.20	0.047
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.047
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.045
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.061
100-44-7	Benzyl chloride	0.20	U	0.20	0.088
104-51-8	n-Butylbenzene	0.20	U	0.20	0.11

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20240716-61180.b\61180_005.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 16-Jul-2024 10:42:17 ALS Bottle#: 0 Worklist Smp#: 5
 Purge Vol: 200.000 mL Dil. Factor: 1.0000
 Sample Info: 200-0061180-005
 Operator ID: wrd Instrument ID: CHAN.i
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20240716-61180.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Jul-2024 08:03:22 Calib Date: 13-Jun-2024 04:37:07
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20240612-60747.b\60747_017.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1637

First Level Reviewer: YWL8

Date: 17-Jul-2024 08:03:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
1 Propene	41		4.380					ND	
2 Dichlorodifluoromethane	85		4.482					ND	
3 Chlorodifluoromethane	51		4.524					ND	7
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.845					ND	
5 Chloromethane	50		4.963					ND	7
6 Vinyl chloride	62		5.263					ND	
7 Butane	43		5.263					ND	7
8 Butadiene	54		5.375					ND	
9 Bromomethane	94		6.108					ND	
10 Chloroethane	64		6.381					ND	
12 2-Methylbutane	43		6.589					ND	
13 Vinyl bromide	106		6.803					ND	
14 Trichlorofluoromethane	101		6.959					ND	
15 Pentane	43		7.167					ND	
16 Ethanol	45		7.333					ND	
18 Ethyl ether	59		7.579					ND	
19 Acrolein	56		7.820					ND	
20 1,1-Dichloroethene	96		8.023					ND	7
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.061					ND	
22 Acetone	43		8.098					ND	7
23 Isopropyl alcohol	45		8.387					ND	
24 Carbon disulfide	76		8.424					ND	7
25 Acetonitrile	41		8.601					ND	
26 3-Chloro-1-propene	41		8.719					ND	
27 Methylene Chloride	49		8.949					ND	7
28 2-Methyl-2-propanol	59		9.157					ND	
29 Acrylonitrile	53		9.350					ND	
30 trans-1,2-Dichloroethene	61		9.446					ND	
31 Methyl tert-butyl ether	73		9.451					ND	
32 Hexane	57		9.960					ND	
S 35 1,2-Dichloroethene, Total	61		10.200					ND	7
33 1,1-Dichloroethane	63		10.211					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 Vinyl acetate	43		10.222					ND	
36 2-Butanone (MEK)	72		11.179					ND	
37 cis-1,2-Dichloroethene	96		11.212					ND	7
38 Ethyl acetate	88		11.265					ND	
* 39 Chlorobromomethane	128	11.623	11.618	0.005	95	136210	10.0	10.0	
40 Tetrahydrofuran	42		11.661					ND	
41 Chloroform	83		11.795					ND	
42 1,1,1-Trichloroethane	97		12.105					ND	
43 Cyclohexane	84		12.249					ND	
44 Carbon tetrachloride	117		12.383					ND	
45 Benzene	78		12.731					ND	7
46 1,2-Dichloroethane	62		12.800					ND	
47 Isooctane	57		12.945					ND	
48 n-Heptane	43		13.250					ND	7
* 49 1,4-Difluorobenzene	114	13.463	13.458	0.005	96	675251	10.0	10.0	
50 n-Butanol	56		13.683					ND	7
51 Trichloroethene	95		13.892					ND	
A 52 GRO	1	14.253	(6.579-21.926)		0	2459227		0	
53 1,2-Dichloropropane	63		14.347					ND	
54 Methyl methacrylate	69		14.437					ND	
55 1,4-Dioxane	88		14.475					ND	
57 Dibromomethane	174		14.507					ND	7
58 Dichlorobromomethane	83		14.812					ND	
59 cis-1,3-Dichloropropene	75		15.620					ND	
A 60 TVOC as Toluene	1	15.620	(4.370-26.870)		0	2567632		0	
61 4-Methyl-2-pentanone (MIBK)	43		15.882					ND	
62 Toluene	92		16.256					ND	
A 63 Toluene Range	1	16.259	(16.192-16.326)		0	5273		NC	
A 65 C8 Range	1	16.502	(16.433-16.572)		0	5434		NC	
64 n-Octane	43		16.503					ND	
66 trans-1,3-Dichloropropene	75		16.668					ND	7
67 1,1,2-Trichloroethane	83		17.043					ND	
68 Tetrachloroethene	166		17.246					ND	
69 2-Hexanone	43		17.455					ND	
70 Chlorodibromomethane	129		17.781					ND	
71 Ethylene Dibromide	107		18.022					ND	
* 73 Chlorobenzene-d5	117	18.936	18.931	0.005	93	577632	10.0	10.0	
74 Chlorobenzene	112		18.990					ND	
75 Ethylbenzene	91		19.183					ND	
76 m-Xylene & p-Xylene	106		19.445					ND	
77 n-Nonane	57		19.504					ND	
S 80 Xylenes, Total	106		20.100					ND	7
78 o-Xylene	106		20.215					ND	
79 Styrene	104		20.247					ND	
81 Bromoform	173		20.584					ND	
82 Isopropylbenzene	105		20.895					ND	7
83 1,1,2,2-Tetrachloroethane	83		21.403					ND	7
84 1,2,3-Trichloropropane	75		21.505					ND	
85 N-Propylbenzene	91		21.601					ND	7
86 2-Chlorotoluene	91		21.745					ND	7
87 4-Ethyltoluene	105		21.793					ND	7
88 1,3,5-Trimethylbenzene	105		21.890					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 n-Decane	57		21.916					ND	
90 Alpha Methyl Styrene	118		22.211					ND	
91 tert-Butylbenzene	119		22.366					ND	7
92 1,2,4-Trimethylbenzene	105		22.451					ND	MU
93 sec-Butylbenzene	105		22.687					ND	7
94 1,3-Dichlorobenzene	146	22.858	22.858	0.000	79	785		0.0123	
95 4-Isopropyltoluene	119		22.901					ND	7
96 1,4-Dichlorobenzene	146	23.002	22.997	0.005	86	888		0.0141	
97 Benzyl chloride	91	23.152	23.147	0.005	91	2034		0.0198	
98 n-Butylbenzene	91		23.457					ND	7
99 1,2-Dichlorobenzene	146		23.495					ND	MU
100 Undecane	57		23.607					ND	7
101 Dodecane	57		25.201					ND	7
102 1,2,4-Trichlorobenzene	180	25.955	25.956	-0.001	90	1432		0.0344	
103 Hexachlorobutadiene	225		26.202					ND	
104 Naphthalene	128	26.442	26.437	0.005	97	3359		0.0373	
105 1,2,3-Trichlorobenzene	180		26.860					ND	MU
109 Chlorotrifluoroethene TIC	1		0.000					ND	
110 Difluoroethane TIC	1		0.000					ND	
111 Total Alkanes TIC	1		0.000					ND	
112 Freon 115 TIC	1		0.000					ND	
113 1,1,1-Trifluoro-2,2-dichloroetha	1		0.000					ND	
114 Methylcyclohexane	83		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

Run Reagent

Report Date: 17-Jul-2024 08:03:23

Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20240716-61180.b\61180_005.D

Injection Date: 16-Jul-2024 10:42:17

Instrument ID: CHAN.i

Operator ID: wrd

Lims ID: mb

Worklist Smp#: 5

Client ID:

Purge Vol: 200.000 mL

Dil. Factor: 1.0000

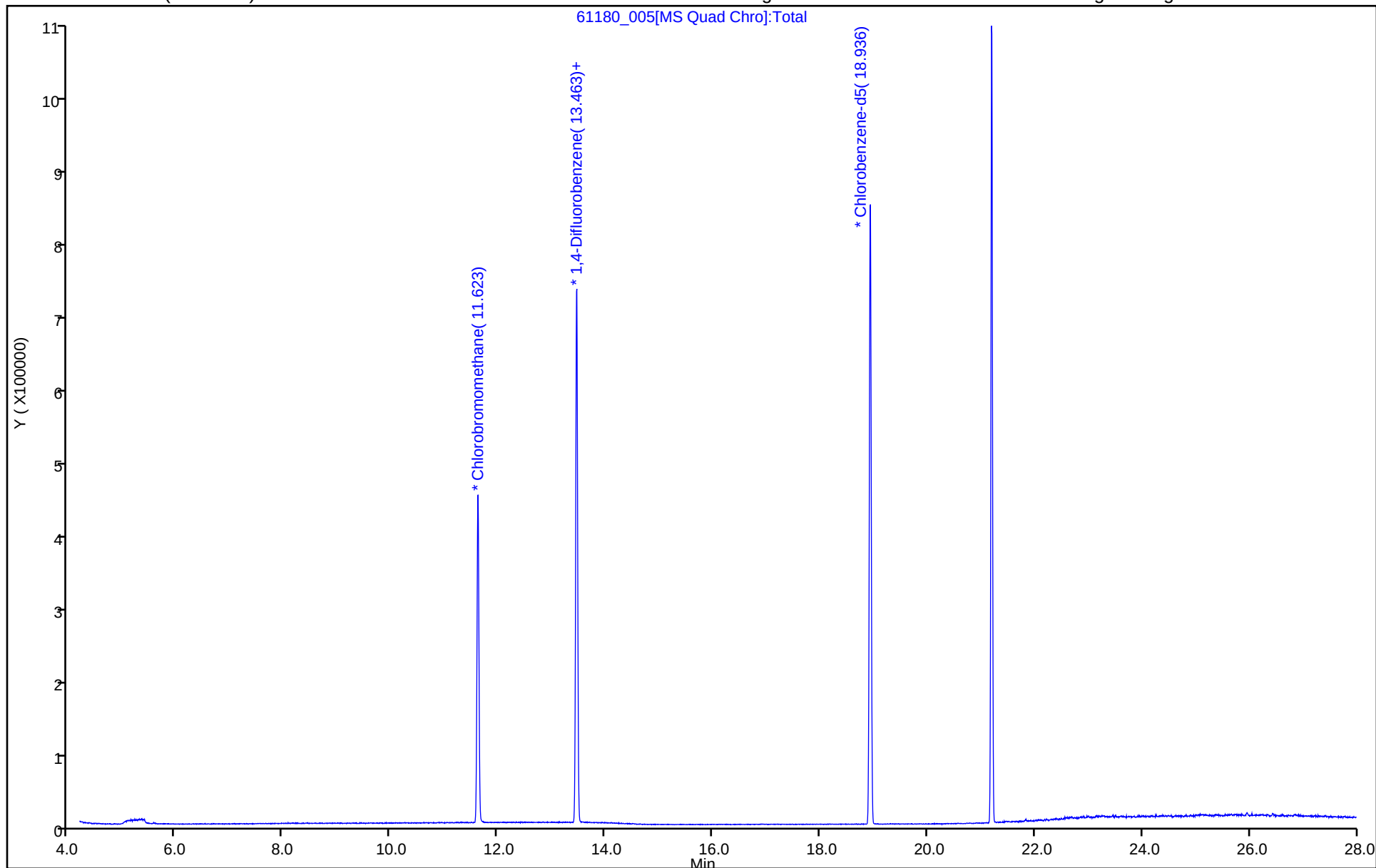
ALS Bottle#: 0

Method: TO15_TO3_Master_Method_AN

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20240716-61180.b\61180_005.D

Injection Date: 16-Jul-2024 10:42:17

Instrument ID: CHAN.i

Lims ID: mb

Client ID:

Operator ID: wrd

ALS Bottle#:

0

Worklist Smp#: 5

Purge Vol: 200.000 mL

Dil. Factor:

1.0000

Method: TO15_TO3_Master_Method_AN

Limit Group:

AI_TO15_ICAL

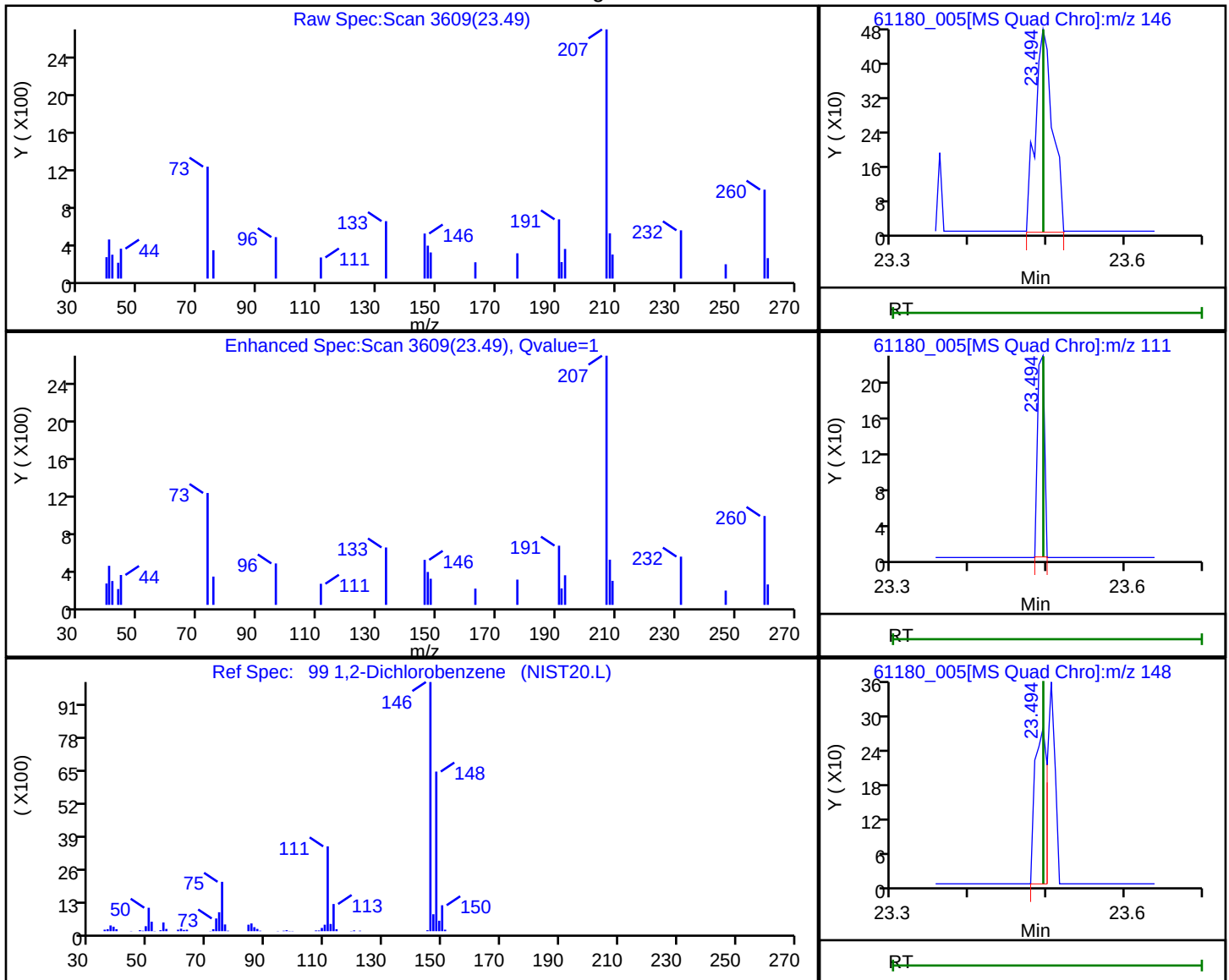
Column: RTX-624 (0.32 mm)

Detector

MS SCAN

99 1,2-Dichlorobenzene, CAS: 95-50-1

Processing Results



RT	Mass	Response	Amount
23.49	146.00	744	0.012143
23.49	111.00	140	
23.49	148.00	305	

Reviewer: YWL8, 17-Jul-2024 08:03:12 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

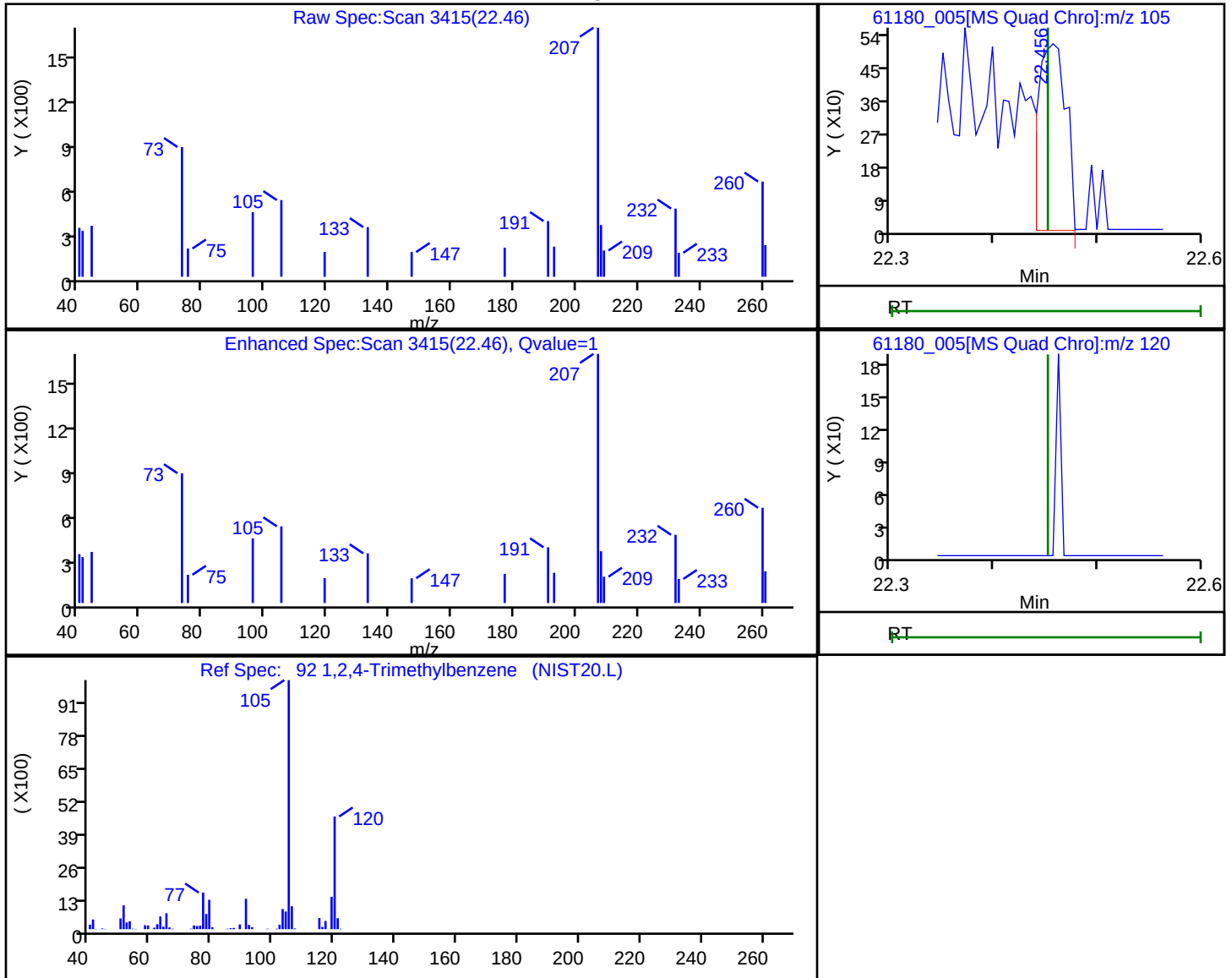
Audit Reason: Invalid Compound ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20240716-61180.b\61180_005.D
Injection Date: 16-Jul-2024 10:42:17 Instrument ID: CHAN.i
Lims ID: mb
Client ID:
Operator ID: wrd ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm) Detector: MS SCAN

92 1,2,4-Trimethylbenzene, CAS: 95-63-6

Processing Results



RT	Mass	Response	Amount
22.46	105.00	941	0.008589
22.45	120.00	0	

Reviewer: YWL8, 17-Jul-2024 08:02:59 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

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

Lab Name: Eurofins Burlington Job No.: 200-74300-1
SDG No.: _____
Lab File ID: 60747_001.D BFB Injection Date: 06/12/2024
Instrument ID: CHAN.i BFB Injection Time: 14:54
Analysis Batch No.: 205193

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	22.7
75	30.0 - 66.0% of mass 95	52.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	57.8
175	4.0 - 9.0 % of mass 174	4.7 (8.1) 1
176	93.0 - 101.0% of mass 174	55.2 (95.4) 1
177	5.0 - 9.0% of mass 176	3.7 (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 200-205193/4	60747_004.D	06/12/2024	17:26
	IC 200-205193/5	60747_005.D	06/12/2024	18:17
	IC 200-205193/6	60747_006.D	06/12/2024	19:09
	IC 200-205193/7	60747_007.D	06/12/2024	20:00
	IC 200-205193/9	60747_009.D	06/12/2024	21:44
	IC 200-205193/12	60747_012.D	06/13/2024	0:19
	IC 200-205193/13	60747_013.D	06/13/2024	1:10
	ICIS 200-205193/17	60747_017.D	06/13/2024	4:37
	ICV 200-205193/18	60747_018.D	06/13/2024	5:28

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

Lab Name: Eurofins Burlington Job No.: 200-74300-1
SDG No.: _____
Lab File ID: 61180_001.D BFB Injection Date: 07/16/2024
Instrument ID: CHAN.i BFB Injection Time: 07:16
Analysis Batch No.: 206395

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	27.8
75	30.0 - 66.0% of mass 95	61.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 120.0% of mass 95	61.2
175	4.0 - 9.0 % of mass 174	5.3 (8.6) 1
176	93.0 - 101.0% of mass 174	59.2 (96.8) 1
177	5.0 - 9.0% of mass 176	3.8 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-206395/2	61180_002.D	07/16/2024	8:05
	LCS 200-206395/3	61180_003.D	07/16/2024	8:57
	MB 200-206395/5	61180_005.D	07/16/2024	10:42
34001487	200-74300-4	61180_007.D	07/16/2024	12:37

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

Lab Name: Eurofins Burlington Job No.: 200-74300-1
 SDG No.: _____
 Sample No.: ICIS 200-205193/17 Date Analyzed: 06/13/2024 04:37
 Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): 60747_017.D Heated Purge: (Y/N) N
 Calibration ID: 52813

	BCM		DFBZ		CBNZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	333445	11.63	1712978	13.47	1520744	18.94	
UPPER LIMIT	466823	11.96	2398169	13.80	2129042	19.27	
LOWER LIMIT	200067	11.30	1027787	13.14	912446	18.61	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-205193/18		343604	11.63	1752226	13.47	1557205	18.94

BCM = Bromochloromethane
 DFBZ = 1,4-Difluorobenzene
 CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Burlington Job No.: 200-74300-1
SDG No.: _____
Sample No.: CCVIS 200-206395/2 Date Analyzed: 07/16/2024 08:05
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): 61180_002.D Heated Purge: (Y/N) N
Calibration ID: 52813

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		99968	11.62	511990	13.46	463860	18.93
UPPER LIMIT		139955	11.95	716786	13.79	649404	19.26
LOWER LIMIT		59981	11.29	307194	13.13	278316	18.60
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-206395/3		113830	11.62	568832	13.46	518860	18.93
MB 200-206395/5		136210	11.62	675251	13.46	577632	18.94
200-74300-4	34001487	113685	11.62	567434	13.46	501614	18.93

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-74300-1</u>
SDG No.: _____	
Client Sample ID: <u>34001487</u>	Lab Sample ID: <u>200-74300-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>61180_007.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>07/11/2024 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>07/16/2024 12:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>206395</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.040	U	0.040	0.014
100-42-5	Styrene	0.040	U	0.040	0.012
10061-01-5	1,3-Dichloropropene, cis-	0.040	U	0.040	0.0090
10061-02-6	1,3-Dichloropropene, trans-	0.040	U	0.040	0.011
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.018
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.0084
106-99-0	1,3-Butadiene	0.040	U	0.040	0.0078
107-05-1	Allyl chloride	0.10	U	0.10	0.024
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.019
108-10-1	Methyl isobutyl ketone (MIBK)	0.10	U	0.10	0.026
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.0094
108-88-3	Toluene	0.040	U	0.040	0.012
108-90-7	Chlorobenzene	0.040	U	0.040	0.0088
109-99-9	Tetrahydrofuran	1.0	U	1.0	0.26
110-54-3	Hexane	0.10	U	0.10	0.022
110-82-7	Cyclohexane	0.040	U	0.040	0.012
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.066
123-91-1	1,4-Dioxane	0.040	U	0.040	0.016
124-48-1	Dibromochloromethane	0.040	U	0.040	0.013
127-18-4	Tetrachloroethene	0.040	U	0.040	0.0042
142-82-5	n-Heptane	0.040	U	0.040	0.011
156-59-2	1,2-Dichloroethene, cis-	0.028	U	0.028	0.0042
156-60-5	1,2-Dichloroethene, trans-	0.040	U	0.040	0.0046
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.0072
179601-23-1	m,p-Xylene	0.10	U	0.10	0.019
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.0076
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.015
56-23-5	Carbon tetrachloride	0.028	U	0.028	0.0044
593-60-2	Vinyl bromide	0.040	U	0.040	0.010
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.0098
64-17-5	Ethanol	1.0	U	1.0	0.52
67-63-0	Isopropanol	1.0	U	1.0	0.32

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-74300-1</u>
SDG No.: _____	
Client Sample ID: <u>34001487</u>	Lab Sample ID: <u>200-74300-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>61180_007.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>07/11/2024 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>07/16/2024 12:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>206395</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	1.0	U	1.0	0.32
67-66-3	Chloroform	0.040	U	0.040	0.0082
71-43-2	Benzene	0.040	U	0.040	0.0088
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.0088
74-83-9	Bromomethane	0.040	U	0.040	0.014
74-87-3	Chloromethane	0.10	U	0.10	0.030
75-00-3	Chloroethane	0.10	U	0.10	0.036
75-01-4	Vinyl chloride	0.028	U	0.028	0.0042
75-09-2	Methylene Chloride	0.10	U	0.10	0.036
75-15-0	Carbon disulfide	0.10	U	0.10	0.026
75-25-2	Bromoform	0.040	U	0.040	0.024
75-27-4	Bromodichloromethane	0.040	U	0.040	0.010
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.0050
75-35-4	1,1-Dichloroethene	0.028	U	0.028	0.0052
75-65-0	tert-Butyl alcohol	1.0	U	1.0	0.24
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.010
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.022
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.040	U	0.040	0.011
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.0096
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.019
78-93-3	Methyl ethyl ketone (MEK)	0.10	U	0.10	0.098
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.015
79-01-6	Trichloroethene	0.028	U	0.028	0.0050
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.0086
80-62-6	Methyl methacrylate	0.10	U	0.10	0.028
87-68-3	Hexachlorobutadiene	0.040	U **	0.040	0.022
91-20-3	Naphthalene	0.10	U **	0.10	0.060
95-47-6	Xylene, o-	0.040	U	0.040	0.013
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.0092
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.013
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.016
591-78-6	2-Hexanone	0.10	U	0.10	0.030

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>200-74300-1</u>
SDG No.: _____	
Client Sample ID: <u>34001487</u>	Lab Sample ID: <u>200-74300-4</u>
Matrix: <u>Air</u>	Lab File ID: <u>61180_007.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>07/11/2024 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>07/16/2024 12:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
Purge Volume: _____	Heated Purge: (Y/N) _____ pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>206395</u>	Units: <u>ppb v/v</u>
Preparation Batch No.: _____	Instrument ID: <u>CHAN.i</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
115-07-1	Propene	1.0	U	1.0	0.24
75-45-6	Chlorodifluoromethane	0.10	U	0.10	0.024
106-97-8	Butane	0.10	U	0.10	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	0.24
141-78-6	Ethyl acetate	1.0	U	1.0	0.32
98-82-8	Isopropylbenzene	0.040	U	0.040	0.0082
103-65-1	N-Propylbenzene	0.040	U	0.040	0.0094
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.0094
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.0090
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.012
100-44-7	Benzyl chloride	0.040	U	0.040	0.018
104-51-8	n-Butylbenzene	0.040	U	0.040	0.022

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20240716-61180.b\61180_007.D
 Lims ID: 200-74300-A-4
 Client ID: 34001487
 Sample Type: Client
 Inject. Date: 16-Jul-2024 12:37:00 ALS Bottle#: 0 Worklist Smp#: 7
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0061180-007
 Operator ID: wrd Instrument ID: CHAN.i
 Method: \\chromfs\Burlington\ChromData\CHAN.i\20240716-61180.b\TO15_TO3_Master_Method_AN.m
 Limit Group: AI_TO15_ICAL
 Last Update: 17-Jul-2024 08:04:07 Calib Date: 13-Jun-2024 04:37:07
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20240612-60747.b\60747_017.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: CTX1637

First Level Reviewer: YWL8

Date: 17-Jul-2024 08:04:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.380				ND	
2 Dichlorodifluoromethane	85		4.482				ND	
3 Chlorodifluoromethane	51		4.524				ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.845				ND	
5 Chloromethane	50		4.963				ND	7
6 Vinyl chloride	62		5.263				ND	
7 Butane	43		5.263				ND	7
8 Butadiene	54		5.375				ND	
9 Bromomethane	94		6.108				ND	
10 Chloroethane	64		6.381				ND	
13 Vinyl bromide	106		6.803				ND	
14 Trichlorofluoromethane	101		6.959				ND	
16 Ethanol	45		7.333				ND	
20 1,1-Dichloroethene	96		8.023				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.061				ND	
22 Acetone	43		8.098				ND	7
23 Isopropyl alcohol	45		8.387				ND	
24 Carbon disulfide	76		8.424				ND	7
26 3-Chloro-1-propene	41		8.719				ND	
27 Methylene Chloride	49		8.949				ND	7
28 2-Methyl-2-propanol	59		9.157				ND	
30 trans-1,2-Dichloroethene	61		9.446				ND	
31 Methyl tert-butyl ether	73		9.451				ND	
32 Hexane	57		9.960				ND	
33 1,1-Dichloroethane	63		10.211				ND	
34 Vinyl acetate	43		10.222				ND	
36 2-Butanone (MEK)	72		11.179				ND	
37 cis-1,2-Dichloroethene	96		11.212				ND	7
38 Ethyl acetate	88		11.265				ND	
* 39 Chlorobromomethane	128	11.623	11.618	0.005	96	113685	10.0	
40 Tetrahydrofuran	42		11.661				ND	
41 Chloroform	83		11.795				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 1,1,1-Trichloroethane	97		12.105				ND	
43 Cyclohexane	84		12.249				ND	
44 Carbon tetrachloride	117		12.383				ND	
45 Benzene	78		12.731				ND	7
46 1,2-Dichloroethane	62		12.800				ND	
47 Isooctane	57		12.945				ND	
48 n-Heptane	43		13.250				ND	
* 49 1,4-Difluorobenzene	114	13.458	13.458	0.000	97	567434	10.0	
51 Trichloroethene	95		13.892				ND	
53 1,2-Dichloropropane	63		14.347				ND	
54 Methyl methacrylate	69		14.437				ND	
55 1,4-Dioxane	88		14.475				ND	
58 Dichlorobromomethane	83		14.812				ND	
59 cis-1,3-Dichloropropene	75		15.620				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.882				ND	
62 Toluene	92		16.256				ND	
66 trans-1,3-Dichloropropene	75		16.668				ND	
67 1,1,2-Trichloroethane	83		17.043				ND	
68 Tetrachloroethene	166		17.246				ND	
69 2-Hexanone	43		17.455				ND	
70 Chlorodibromomethane	129		17.781				ND	
71 Ethylene Dibromide	107		18.022				ND	
* 73 Chlorobenzene-d5	117	18.931	18.931	0.000	94	501614	10.0	
74 Chlorobenzene	112		18.990				ND	
75 Ethylbenzene	91		19.183				ND	
76 m-Xylene & p-Xylene	106		19.445				ND	
78 o-Xylene	106		20.215				ND	
79 Styrene	104		20.247				ND	
81 Bromoform	173		20.584				ND	
82 Isopropylbenzene	105		20.895				ND	
83 1,1,2,2-Tetrachloroethane	83		21.403				ND	7
85 N-Propylbenzene	91		21.601				ND	
86 2-Chlorotoluene	91		21.745				ND	
87 4-Ethyltoluene	105		21.793				ND	
88 1,3,5-Trimethylbenzene	105		21.890				ND	
91 tert-Butylbenzene	119		22.366				ND	
92 1,2,4-Trimethylbenzene	105		22.451				ND	
93 sec-Butylbenzene	105		22.687				ND	
94 1,3-Dichlorobenzene	146		22.858				ND	
95 4-Isopropyltoluene	119		22.901				ND	7
96 1,4-Dichlorobenzene	146		22.997				ND	
97 Benzyl chloride	91		23.147				ND	
98 n-Butylbenzene	91		23.457				ND	
99 1,2-Dichlorobenzene	146		23.495				ND	
102 1,2,4-Trichlorobenzene	180		25.956				ND	
103 Hexachlorobutadiene	225		26.202				ND	
104 Naphthalene	128		26.437				ND	7

[QC Flag Legend](#)

Processing Flags

7 - Failed Limit of Detection

[Reagents:](#)

ATTO15CISs_00012

Amount Added: 20.00

Units: mL

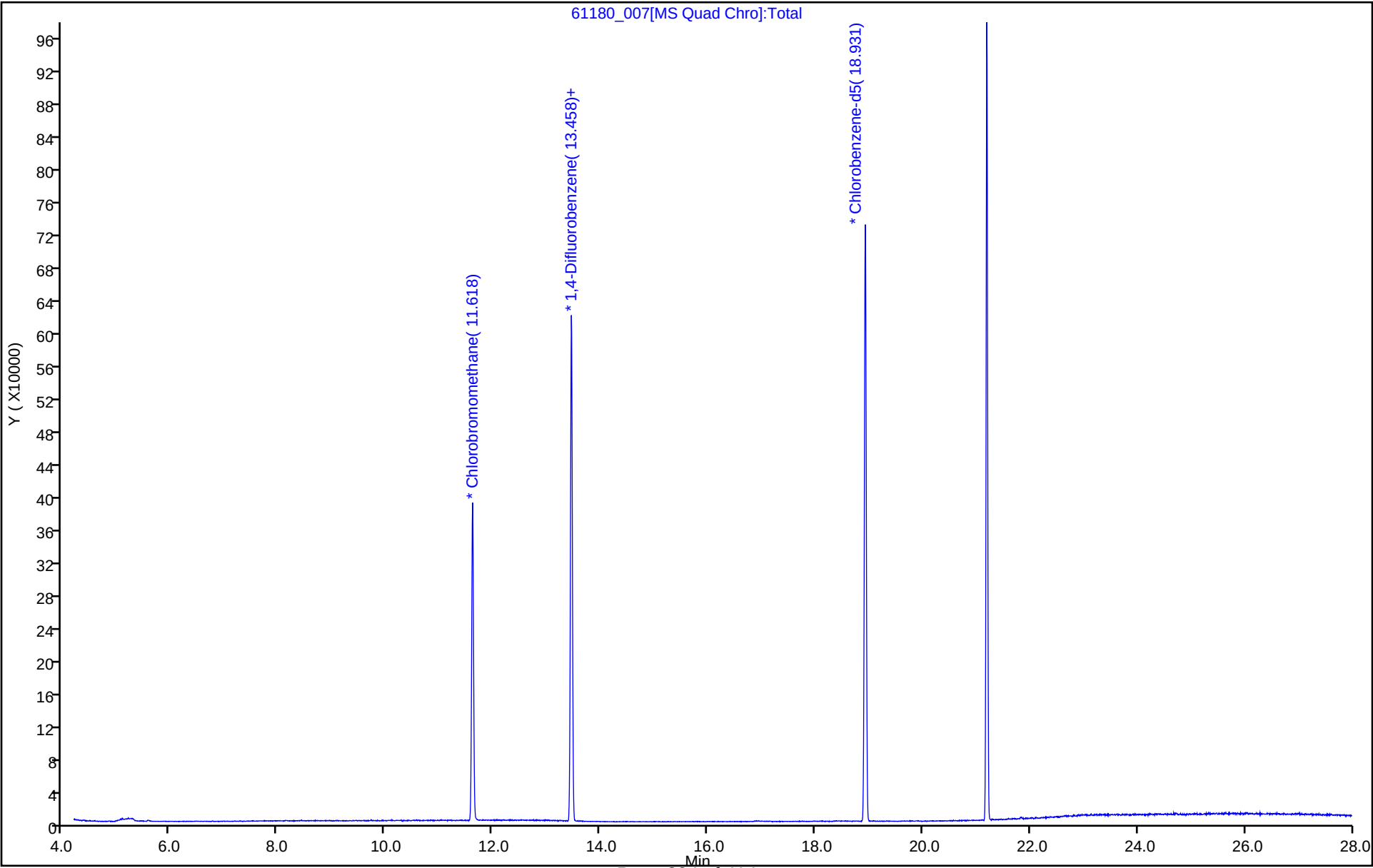
Run Reagent

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20240716-61180.b\61180_007.D
Injection Date: 16-Jul-2024 12:37:00 Instrument ID: CHAN.i
Lims ID: 200-74300-A-4 Lab Sample ID: 200-74300-4
Client ID: 34001487
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm)

Operator ID: wrd
Worklist Smp#: 7
ALS Bottle#: 0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74300-1 Analy Batch No.: 205193
SDG No.: _____
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/12/2024 17:26 Calibration End Date: 06/13/2024 04:37 Calibration ID: 52813

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-205193/4	60747_004.D
Level 2	IC 200-205193/5	60747_005.D
Level 3	IC 200-205193/6	60747_006.D
Level 4	IC 200-205193/7	60747_007.D
Level 5	ICIS 200-205193/17	60747_017.D
Level 6	IC 200-205193/9	60747_009.D
Level 7	IC 200-205193/12	60747_012.D
Level 8	IC 200-205193/13	60747_013.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Propene	++++ 2.5450	++++ 2.4880	++++ 2.3199	2.2865	2.5449	Ave		2.436 9				5.1		30.0			
Dichlorodifluoromethane	++++ 5.7219	++++ 5.6210	6.3660 5.2322	5.2653	5.8425	Ave		5.674 8				7.4		30.0			
Chlorodifluoromethane	++++ 4.2403	++++ 4.1406	4.4672 3.8386	3.7204	4.2834	Ave		4.115 1				6.9		30.0			
1,2-Dichlorotetrafluoroethane	++++ 6.1174	7.7118 6.0159	6.7011 5.2820	5.4493	6.3052	Ave		6.226 1				13.1		30.0			
Chloromethane	++++ 2.5079	++++ 2.3318	2.7256 2.1394	2.1894	2.3842	Ave		2.379 7				9.1		30.0			
Butane	++++ 2.8697	++++ 2.8750	3.7266 2.6355	2.8956	2.7565	Ave		2.959 8				13.1		30.0			
Vinyl chloride	2.5879 1.8192	2.5904 1.8303	2.2786 1.7042	1.8090	1.7754	Ave		2.049 4				18.3		30.0			
1,3-Butadiene	2.5579 1.4630	1.9767 1.3521	1.8349 1.3368	1.4039	1.4197	Ave		1.668 1				25.8		30.0			
Bromomethane	++++ 2.0265	2.4596 1.7107	2.1937 1.9114	1.8855	1.8254	Ave		2.001 8				12.6		30.0			
Chloroethane	++++ 1.3709	++++ 1.1052	1.4466 1.2752	1.2704	1.1612	Ave		1.271 6				10.0		30.0			
Vinyl bromide	++++ 1.7887	2.1238 1.5365	1.9072 1.7130	1.6394	1.6494	Ave		1.765 4				11.2		30.0			
Trichlorofluoromethane	++++ 4.5686	5.7873 4.0595	5.0601 4.2544	4.2609	4.1661	Ave		4.593 8				13.6		30.0			
Ethanol	++++ 1.1237	++++ 1.1325	1.2122 1.0417	0.9209	0.8506	Ave		1.046 9				13.2		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74300-1 Analy Batch No.: 205193

SDG No.: _____

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/12/2024 17:26 Calibration End Date: 06/13/2024 04:37 Calibration ID: 52813

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloroethene	2.9029 1.9369	2.4185 1.8943	2.0896 1.8204	1.7775	1.9997	Ave		2.105 0				18.0		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	++++ 3.9323	4.9250 3.8333	4.3839 3.6692	3.7138	4.0611	Ave		4.074 1				10.9		30.0			
Acetone	++++ 3.4723	++++ 3.3583	++++ 3.1467	3.1975	3.4035	Ave		3.315 7				4.2		30.0			
Isopropanol	++++ 3.9999	++++ 3.8817	++++ 3.6179	3.4594	3.9834	Ave		3.788 5				6.3		30.0			
Carbon disulfide	++++ 6.2387	++++ 6.1232	6.6025 5.6654	5.7869	6.3056	Ave		6.120 4				5.7		30.0			
Allyl chloride	++++ 2.7657	3.1992 2.7022	2.9492 2.5602	2.4736	2.9248	Ave		2.796 4				8.9		30.0			
Methylene Chloride	++++ 2.6067	++++ 2.5466	2.8263 2.3911	2.3640	2.5856	Ave		2.553 4				6.6		30.0			
tert-Butyl alcohol	++++ 4.2368	++++ 4.1006	++++ 3.9537	3.6619	4.3132	Ave		4.053 2				6.4		30.0			
1,2-Dichloroethene, trans-	3.1317 3.1221	3.5962 3.0573	3.2766 2.8484	2.9925	3.1648	Ave		3.148 7				7.0		30.0			
Methyl tert-butyl ether	++++ 5.6059	6.1424 5.4853	5.6108 5.1862	5.4124	5.7182	Ave		5.594 4				5.3		30.0			
Hexane	++++ 3.4137	4.2094 3.3353	3.3179 3.1099	3.3584	3.4320	Ave		3.453 8				10.1		30.0			
1,1-Dichloroethane	4.4944 3.9316	4.6315 3.8393	4.2281 3.5774	3.9373	3.9791	Ave		4.077 3				8.6		30.0			
Vinyl acetate	++++ 5.7568	++++ 5.6366	++++ 5.2490	5.3956	5.7425	Ave		5.556 1				4.0		30.0			
Methyl ethyl ketone (MEK)	++++ 1.0807	++++ 1.0539	1.1438 1.0120	1.0411	1.0667	Ave		1.066 4				4.2		30.0			
1,2-Dichloroethene, cis-	2.1857 2.0545	2.4880 2.0061	2.2504 1.9155	1.9972	2.1010	Ave		2.124 8				8.6		30.0			
Ethyl acetate	++++ 0.1757	++++ 0.1712	++++ 0.1676	0.1695	0.1794	Ave		0.172 7				2.8		30.0			
Tetrahydrofuran	++++ 0.5148	++++ 0.5042	++++ 0.5297	0.5260	0.4963	Ave		0.514 2				2.8		30.0			
Chloroform	++++ 4.1543	4.9859 4.0604	4.4965 3.8566	4.1024	4.2215	Ave		4.268 2				8.7		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74300-1 Analy Batch No.: 205193
SDG No.: _____
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/12/2024 17:26 Calibration End Date: 06/13/2024 04:37 Calibration ID: 52813

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	++++ 0.7668	0.9389 0.7507	0.8410 0.8059	0.7295	0.7582	Ave		0.798 7				9.0		30.0			
Cyclohexane	++++ 0.5336	0.5922 0.5213	0.5305 0.5578	0.4968	0.5299	Ave		0.537 5				5.6		30.0			
Carbon tetrachloride	0.7352 0.7247	0.8356 0.7112	0.7633 0.7692	0.6810	0.7186	Ave		0.742 3				6.3		30.0			
Benzene	++++ 1.2882	1.5089 1.2501	1.3472 1.3201	1.2197	1.2786	Ave		1.316 1				7.2		30.0			
1,2-Dichloroethane	++++ 0.5669	0.6562 0.5535	0.6132 0.5688	0.5302	0.5532	Ave		0.577 4				7.4		30.0			
2,2,4-Trimethylpentane	++++ 2.2201	2.6193 2.1580	2.1261 2.0440	2.0577	2.1739	Ave		2.199 9				8.9		30.0			
n-Heptane	++++ 0.8495	0.9649 0.8264	0.7894 0.7651	0.7813	0.8189	Ave		0.827 9				8.1		30.0			
Trichloroethene	0.6219 0.5373	0.6217 0.5261	0.5570 0.5419	0.5076	0.5260	Ave		0.554 9				7.9		30.0			
1,2-Dichloropropane	++++ 0.5315	0.5746 0.5150	0.5422 0.4510	0.5004	0.5193	Ave		0.519 2				7.4		30.0			
Methyl methacrylate	++++ 0.4887	++++ 0.4789	0.3867 0.4424	0.4353	0.4786	Ave		0.451 8				8.5		30.0			
1,4-Dioxane	++++ 0.2416	0.2348 0.2307	0.1778 0.2079	0.1386	0.2393	Ave		0.210 1				18.5		30.0			
Bromodichloromethane	++++ 0.9029	0.9709 0.8815	0.8800 0.8288	0.8482	0.8961	Ave		0.886 9				5.1		30.0			
1,3-Dichloropropene, cis-	++++ 0.8509	0.8559 0.8346	0.7886 0.7701	0.7130	0.8316	Ave		0.806 4				6.4		30.0			
Methyl isobutyl ketone (MIBK)	++++ 1.1051	++++ 1.0690	0.9030 0.9397	0.9008	1.0610	Ave		0.996 4				9.2		30.0			
Toluene	++++ 0.9632	1.0256 0.9420	0.9688 0.9100	0.8677	0.9667	Ave		0.949 1				5.3		30.0			
1,3-Dichloropropene, trans-	++++ 0.6771	0.6662 0.6614	0.6279 0.6197	0.6731	0.6615	Ave		0.655 3				3.4		30.0			
1,1,2-Trichloroethane	++++ 0.5281	0.5830 0.5168	0.5413 0.4956	0.5167	0.5223	Ave		0.529 1				5.2		30.0			
Tetrachloroethene	0.6395 0.5699	0.6986 0.5604	0.6291 0.5778	0.5526	0.5757	Ave		0.600 4				8.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74300-1 Analy Batch No.: 205193

SDG No.: _____

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/12/2024 17:26 Calibration End Date: 06/13/2024 04:37 Calibration ID: 52813

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	++++ 1.1826	++++ 1.1334	0.8061 1.0625	1.0806	1.1447	Ave		1.068 3				12.7		30.0			
Dibromochloromethane	++++ 0.7921	0.8685 0.8099	0.6773 0.8320	0.7709	0.8677	Ave		0.802 6				8.3		30.0			
1,2-Dibromoethane	++++ 0.7990	0.9152 0.8309	0.8256 0.8225	0.8158	0.8460	Ave		0.836 4				4.5		30.0			
Chlorobenzene	++++ 1.1858	1.4281 1.1584	1.2690 1.1461	1.1635	1.1933	Ave		1.220 6				8.2		30.0			
Ethylbenzene	++++ 2.1420	2.4179 2.0940	2.1228 1.9900	2.0967	2.1650	Ave		2.146 9				6.1		30.0			
m,p-Xylene	++++ 0.7577	0.9522 0.7429	0.7615 0.7216	0.7395	0.7627	Ave		0.776 9				10.1		30.0			
Xylene, o-	++++ 0.7335	0.8805 0.7240	0.6966 0.7061	0.7090	0.7424	Ave		0.741 7				8.5		30.0			
Styrene	++++ 1.2376	1.0268 1.2113	1.0661 1.1906	1.1502	1.2282	Ave		1.158 7				7.1		30.0			
Bromoform	++++ 0.6068	0.5674 0.5781	0.3269 0.6366	0.5488	0.7384	Ave		0.571 9				21.9		30.0			
Isopropylbenzene	++++ 2.2123	2.2757 2.1663	2.1542 2.0681	2.1729	2.2373	Ave		2.183 8				3.1		30.0			
1,1,2,2-Tetrachloroethane	++++ 1.4045	1.5560 1.3728	1.4083 1.2840	1.3808	1.4023	Ave		1.401 2				5.8		30.0			
N-Propylbenzene	++++ 2.9045	3.2025 2.8268	2.8899 2.5469	2.8847	2.9442	Ave		2.885 6				6.7		30.0			
2-Chlorotoluene	++++ 1.8180	2.0867 1.7823	1.8468 1.7136	1.7795	1.8285	Ave		1.836 5				6.5		30.0			
4-Ethyltoluene	++++ 2.1852	2.3607 2.1399	2.1852 2.0051	2.1486	2.2198	Ave		2.177 8				4.9		30.0			
1,3,5-Trimethylbenzene	++++ 1.8305	1.9788 1.7941	1.8375 1.6988	1.8008	1.8488	Ave		1.827 0				4.6		30.0			
tert-Butylbenzene	++++ 1.6623	1.8180 1.6427	1.6945 1.5794	1.6469	1.6812	Ave		1.675 0				4.4		30.0			
1,2,4-Trimethylbenzene	++++ 1.8634	2.2516 1.8370	1.8612 1.7420	1.8321	1.8898	Ave		1.896 7				8.6		30.0			
sec-Butylbenzene	++++ 2.7300	2.9752 2.5866	2.7486 2.4175	2.7584	2.7733	Ave		2.712 8				6.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 200-74300-1 Analy Batch No.: 205193
SDG No.: _____
Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/12/2024 17:26 Calibration End Date: 06/13/2024 04:37 Calibration ID: 52813

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,3-Dichlorobenzene	+++++ 1.1080	1.1969 1.0476	1.1310 1.0844	1.0421	1.1042	Ave		1.102 0				4.8		30.0			
4-Isopropyltoluene	+++++ 2.1536	2.2228 2.0283	2.1098 1.9881	2.1457	2.1823	Ave		2.118 7				4.0		30.0			
1,4-Dichlorobenzene	+++++ 1.1071	1.1234 1.0449	1.1218 1.0898	1.0323	1.1116	Ave		1.090 1				3.4		30.0			
Benzyl chloride	+++++ 1.9336	1.6205 1.7675	1.5474 1.7915	1.8061	1.9667	Ave		1.776 2				8.6		30.0			
n-Butylbenzene	+++++ 2.4445	2.3692 2.2653	2.2015 2.1848	2.3750	2.4728	Ave		2.330 5				4.9		30.0			
1,2-Dichlorobenzene	+++++ 1.0590	1.1511 1.0112	1.0796 1.0434	1.0176	1.0630	Ave		1.060 7				4.4		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7971	+++++ 0.7218	0.5713 0.8774	0.5619	0.7911	Ave		0.720 1				17.9		30.0			
Hexachlorobutadiene	+++++ 0.5633	0.6884 0.5390	0.5812 0.6215	0.5314	0.5799	Ave		0.586 4				9.2		30.0			
Naphthalene	+++++ 1.9064	1.1810 1.6224	1.1978 1.9381	1.1636	1.9146	Ave		1.560 6				23.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74300-1 Analy Batch No.: 205193

SDG No.: _____

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/12/2024 17:26 Calibration End Date: 06/13/2024 04:37 Calibration ID: 52813

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-205193/4	60747_004.D
Level 2	IC 200-205193/5	60747_005.D
Level 3	IC 200-205193/6	60747_006.D
Level 4	IC 200-205193/7	60747_007.D
Level 5	ICIS 200-205193/17	60747_017.D
Level 6	IC 200-205193/9	60747_009.D
Level 7	IC 200-205193/12	60747_012.D
Level 8	IC 200-205193/13	60747_013.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
Propene	BCM	Ave	++++ 1266199	++++ 1598716	++++ 3246882	361593	848432	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	++++ 2846715	++++ 3611875	++++ 7322933	832661	1947779	++++ 15.0	++++ 20.0	++++ 0.500 40.0	4.99	10.00
Chlorodifluoromethane	BCM	Ave	++++ 2109623	++++ 2660639	++++ 5372520	588346	1427993	++++ 15.0	++++ 20.0	++++ 0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 3043508	++++ 3865642	++++ 94362 7392690	861751	2102030	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	++++ 1247701	++++ 1498322	++++ 38381 2994212	346226	794840	++++ 15.0	++++ 20.0	++++ 0.500 40.0	4.99	10.00
Butane	BCM	Ave	++++ 1427730	++++ 1847395	++++ 52476 3688606	457905	918960	++++ 15.0	++++ 20.0	++++ 0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	2670 905082	14194 1176099	32087 2385111	286075	591900	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	2639 727855	10831 868818	25839 1871016	222013	473298	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	++++ 1008237	++++ 13477 1099260	++++ 30891 2675197	298175	608557	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	++++ 682052	++++ 710151	++++ 20371 1784699	200894	387121	++++ 15.0	++++ 20.0	++++ 0.500 40.0	4.99	10.00
Vinyl bromide	BCM	Ave	++++ 889889	++++ 11637 987301	++++ 26856 2397438	259260	549892	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	++++ 2272973	++++ 31711 2608545	++++ 71254 5954409	673814	1388893	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	++++ 747024	++++ 1455677	++++ 170912 3645031	291442	425547	++++ 20.0	++++ 40.0	++++ 5.01 100.0	9.99	15.0
1,1-Dichloroethene	BCM	Ave	2995 963642	13252 1217209	29425 2547867	281100	666647	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloro-1,2,2-trifluoroethane	BCM	Ave	++++	26986	61733	587309	1353899	++++	0.200	0.500	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74300-1 Analy Batch No.: 205193

SDG No.: _____

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/12/2024 17:26 Calibration End Date: 06/13/2024 04:37 Calibration ID: 52813

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
			1956395	2463176	5135376			15.0	20.0	40.0		
Acetone	BCM	Ave	++++ 1727510	++++ 2157967	++++ 4404081	505647	1134669	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Isopropanol	BCM	Ave	++++ 1990027	++++ 2494301	++++ 5063539	547066	1327978	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	++++ 3103859	++++ 3934597	92974 7929250	915140	2102176	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
Allyl chloride	BCM	Ave	++++ 1375994	++++ 17530 1736359	41529 3583235	391174	975068	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	++++ 1296885	++++ 1636346	39799 3346583	373849	862002	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	++++ 2107900	++++ 2634910	++++ 5533534	579093	1437941	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
1,2-Dichloroethene, trans-	BCM	Ave	3231 1553278	19705 1964552	46140 3986594	473228	1055098	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	++++ 2789006	33657 3524694	79009 7258516	855924	1906321	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Hexane	BCM	Ave	++++ 1698394	23065 2143163	46722 4352571	531097	1144173	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	4637 1956056	25378 2467017	59539 5006825	622646	1326547	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	++++ 2864084	++++ 3621909	++++ 7346412	853256	1914448	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Methyl ethyl ketone (MEK)	BCM	Ave	++++ 537669	++++ 677180	16107 1416417	164645	355627	++++ 15.0	++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethene, cis-	BCM	Ave	2255 1022131	13633 1289037	31689 2680879	315836	700437	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	++++ 87397	++++ 110028	++++ 234630	26804	59793	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	++++ 1270446	++++ 1609682	++++ 3301489	398720	849921	++++ 15.0	++++ 20.0	++++ 40.0	4.99	10.00
Chloroform	BCM	Ave	++++ 2066842	27320 2609101	63318 5397592	648751	1407350	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	++++ 1892074	26044 2396844	59616 5022306	552966	1298519	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	++++ 1316662	16427 1664557	37607 3476616	376545	907595	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	3792 1788244	23178 2270590	54112 4794102	516207	1230675	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	++++ 3178726	41854 3991486	95498 8226882	924566	2189862	++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74300-1 Analy Batch No.: 205193

SDG No.: _____

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/12/2024 17:26 Calibration End Date: 06/13/2024 04:37 Calibration ID: 52813

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2-Dichloroethane	DFBZ	Ave	+++++ 1398907	18202 1767150	43467 3544948	401874	947453	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 5478527	72655 6890196	150720 12738565	1559716	3723065	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	+++++ 2096340	26765 2638620	55962 4768442	592198	1402404	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	3208 1325876	17244 1679733	39483 3376994	384764	900844	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 1311433	15939 1644341	38439 2810889	379279	889427	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 1205947	+++++ 1528950	27416 2757190	329966	819600	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 596130	6513 736450	12601 1295493	105082	409921	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 2228118	26930 2814362	62379 5164944	642923	1534780	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichloropropene, cis-	DFBZ	Ave	+++++ 2099623	23742 2664786	55906 4799406	540491	1424206	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl isobutyl ketone (MIBK)	DFBZ	Ave	+++++ 2726978	+++++ 3413162	64012 5856401	682799	1817195	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZd 5	Ave	+++++ 2120979	24955 2681204	60422 4864145	608489	1469784	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichloropropene, trans-	DFBZ	Ave	+++++ 1670895	18478 2111728	44510 3861794	510238	1132959	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBNZd 5	Ave	+++++ 1162817	14184 1471056	33759 2648937	362350	794105	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Tetrachloroethene	CBNZd 5	Ave	2879 1254945	16998 1595084	39238 3088390	387497	875280	0.0351 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Hexanone	CBNZd 5	Ave	+++++ 2604290	+++++ 3226203	50279 5679477	757752	1740487	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBNZd 5	Ave	+++++ 1744382	21131 2305218	42242 4447144	540595	1319291	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBNZd 5	Ave	+++++ 1759363	22267 2365231	51491 4396649	572110	1286325	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBNZd 5	Ave	+++++ 34748	79146	815883	1814282	+++++	0.200	0.500	4.99	10.00	

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74300-1 Analy Batch No.: 205193

SDG No.: _____

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/12/2024 17:26 Calibration End Date: 06/13/2024 04:37 Calibration ID: 52813

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			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
			2611337	3297249	6126124			15.0	20.0	40.0		
Ethylbenzene	CBNZd 5	Ave	++++	58831	132399	1470349	3291716	++++	0.200	0.500	4.99	10.00
			4716889	5960401	10637254			15.0	20.0	40.0		
m,p-Xylene	CBNZd 5	Ave	++++	46338	94990	1037096	2319241	++++	0.401	1.00	9.99	20.0
			3337097	4229402	7713987			30.0	40.0	80.0		
Xylene, o-	CBNZd 5	Ave	++++	21423	43449	497214	1128728	++++	0.200	0.500	4.99	10.00
			1615257	2060681	3774289			15.0	20.0	40.0		
Styrene	CBNZd 5	Ave	++++	24983	66493	806593	1867419	++++	0.200	0.500	4.99	10.00
			2725251	3447914	6364355			15.0	20.0	40.0		
Bromoform	CBNZd 5	Ave	++++	13805	20390	384833	1122768	++++	0.200	0.500	4.99	10.00
			1336170	1645515	3403089			15.0	20.0	40.0		
Isopropylbenzene	CBNZd 5	Ave	++++	55370	134360	1523739	3401637	++++	0.200	0.500	4.99	10.00
			4871673	6166208	11054905			15.0	20.0	40.0		
1,1,2,2-Tetrachloroethane	CBNZd 5	Ave	++++	37859	87840	968295	2132061	++++	0.200	0.500	4.99	10.00
			3092942	3907537	6863439			15.0	20.0	40.0		
N-Propylbenzene	CBNZd 5	Ave	++++	77921	180243	2022899	4476575	++++	0.200	0.500	4.99	10.00
			6395912	8046349	13613979			15.0	20.0	40.0		
2-Chlorotoluene	CBNZd 5	Ave	++++	50772	115189	1247874	2780077	++++	0.200	0.500	4.99	10.00
			4003404	5073080	9159620			15.0	20.0	40.0		
4-Ethyltoluene	CBNZd 5	Ave	++++	57440	136291	1506728	3375111	++++	0.200	0.500	4.99	10.00
			4812070	6091193	10718090			15.0	20.0	40.0		
1,3,5-Trimethylbenzene	CBNZd 5	Ave	++++	48146	114604	1262810	2811063	++++	0.200	0.500	4.99	10.00
			4030972	5106684	9080716			15.0	20.0	40.0		
tert-Butylbenzene	CBNZd 5	Ave	++++	44235	105687	1154903	2556211	++++	0.200	0.500	4.99	10.00
			3660428	4675844	8442474			15.0	20.0	40.0		
1,2,4-Trimethylbenzene	CBNZd 5	Ave	++++	54784	116085	1284780	2873348	++++	0.200	0.500	4.99	10.00
			4103464	5229018	9311599			15.0	20.0	40.0		
sec-Butylbenzene	CBNZd 5	Ave	++++	72391	171432	1934350	4216679	++++	0.200	0.500	4.99	10.00
			6011636	7362656	12922590			15.0	20.0	40.0		

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 200-74300-1 Analy Batch No.: 205193

SDG No.: _____

Instrument ID: CHAN.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/12/2024 17:26 Calibration End Date: 06/13/2024 04:37 Calibration ID: 52813

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,3-Dichlorobenzene	CBNZd 5	Ave	+++++	29121	70542	730754	1678878	+++++	0.200	0.500	4.99	10.00
			2439948	2981940	5796465			15.0	20.0	40.0		
4-Isopropyltoluene	CBNZd 5	Ave	+++++	54083	131592	1504716	3318069	+++++	0.200	0.500	4.99	10.00
			4742525	5773508	10627007			15.0	20.0	40.0		
1,4-Dichlorobenzene	CBNZd 5	Ave	+++++	27334	69968	723889	1690201	+++++	0.200	0.500	4.99	10.00
			2438031	2974140	5825243			15.0	20.0	40.0		
Benzyl chloride	CBNZd 5	Ave	+++++	39430	96514	1266525	2990235	+++++	0.200	0.500	4.99	10.00
			4258022	5031204	9576529			15.0	20.0	40.0		
n-Butylbenzene	CBNZd 5	Ave	+++++	57647	137309	1665512	3759752	+++++	0.200	0.500	4.99	10.00
			5382956	6448000	11678846			15.0	20.0	40.0		
1,2-Dichlorobenzene	CBNZd 5	Ave	+++++	28008	67333	713572	1616304	+++++	0.200	0.500	4.99	10.00
			2332080	2878239	5577359			15.0	20.0	40.0		
1,2,4-Trichlorobenzene	CBNZd 5	Ave	+++++	+++++	35632	394039	1202792	+++++	+++++	0.500	4.99	10.00
			1755219	2054566	4689902			15.0	20.0	40.0		
Hexachlorobutadiene	CBNZd 5	Ave	+++++	16749	36249	372652	881726	+++++	0.200	0.500	4.99	10.00
			1240424	1534158	3322179			15.0	20.0	40.0		
Naphthalene	CBNZd 5	Ave	+++++	34167	88826	970221	3461180	+++++	0.238	0.595	5.94	11.9
			4991440	5490890	12318156			17.8	23.8	47.6		

Curve Type Legend:

Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74300-1

SDG No.: _____

Lab Sample ID: ICV 200-205193/18 Calibration Date: 06/13/2024 05:28

Instrument ID: CHAN.i Calib Start Date: 06/12/2024 17:26

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 06/13/2024 04:37

Lab File ID: 60747_018.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	5.675	5.432		9.57	10.0	-4.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	6.226	5.810		9.33	10.0	-6.7	30.0
Chloromethane	Ave	2.380	2.268		9.53	10.0	-4.7	30.0
Vinyl chloride	Ave	2.049	1.696		8.27	10.0	-17.2	30.0
1,3-Butadiene	Ave	1.668	1.314		7.88	10.0	-21.2	30.0
Bromomethane	Ave	2.002	1.923		9.60	10.0	-3.9	30.0
Chloroethane	Ave	1.272	1.282		10.1	10.0	0.8	30.0
Vinyl bromide	Ave	1.765	1.750		9.91	10.0	-0.9	30.0
Trichlorofluoromethane	Ave	4.594	4.322		9.41	10.0	-5.9	30.0
Ethanol	Ave	1.047	1.063		15.2	15.0	1.5	30.0
1,1-Dichloroethene	Ave	2.105	1.799		8.54	10.0	-14.5	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	4.074	3.614		8.87	10.0	-11.3	30.0
Acetone	Ave	3.316	3.154		9.51	10.0	-4.9	30.0
Carbon disulfide	Ave	6.120	5.650		9.23	10.0	-7.7	30.0
Isopropanol	Ave	3.788	3.538		9.34	10.0	-6.6	30.0
Allyl chloride	Ave	2.796	2.786		9.96	10.0	-0.4	30.0
Methylene Chloride	Ave	2.553	2.346		9.19	10.0	-8.1	30.0
tert-Butyl alcohol	Ave	4.053	3.924		9.68	10.0	-3.2	30.0
1,2-Dichloroethene, trans-	Ave	3.149	2.941		9.34	10.0	-6.6	30.0
Methyl tert-butyl ether	Ave	5.594	5.233		9.35	10.0	-6.5	30.0
Hexane	Ave	3.454	3.159		9.14	10.0	-8.5	30.0
1,1-Dichloroethane	Ave	4.077	3.542		8.69	10.0	-13.1	30.0
Methyl ethyl ketone (MEK)	Ave	1.066	0.9783		9.17	10.0	-8.3	30.0
1,2-Dichloroethene, cis-	Ave	2.125	1.858		8.74	10.0	-12.6	30.0
Tetrahydrofuran	Ave	0.5142	0.4477		8.70	10.0	-12.9	30.0
Chloroform	Ave	4.268	3.851		9.02	10.0	-9.8	30.0
1,1,1-Trichloroethane	Ave	0.7987	0.6984		8.74	10.0	-12.6	30.0
Cyclohexane	Ave	0.5375	0.4867		9.05	10.0	-9.5	30.0
Carbon tetrachloride	Ave	0.7423	0.6519		8.78	10.0	-12.2	30.0
Benzene	Ave	1.316	1.186		9.01	10.0	-9.9	30.0
1,2-Dichloroethane	Ave	0.5774	0.5107		8.84	10.0	-11.6	30.0
2,2,4-Trimethylpentane	Ave	2.200	2.018		9.17	10.0	-8.3	30.0
n-Heptane	Ave	0.8279	0.7688		9.28	10.0	-7.1	30.0
Trichloroethene	Ave	0.5549	0.4934		8.89	10.0	-11.1	30.0
1,2-Dichloropropane	Ave	0.5192	0.4827		9.30	10.0	-7.0	30.0
Methyl methacrylate	Ave	0.4518	0.4346		9.62	10.0	-3.8	30.0
1,4-Dioxane	Ave	0.2101	0.1839		8.75	10.0	-12.4	30.0
Bromodichloromethane	Ave	0.8869	0.8208		9.25	10.0	-7.5	30.0
1,3-Dichloropropene, cis-	Ave	0.8064	0.7685		9.53	10.0	-4.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74300-1

SDG No.: _____

Lab Sample ID: ICV 200-205193/18 Calibration Date: 06/13/2024 05:28

Instrument ID: CHAN.i Calib Start Date: 06/12/2024 17:26

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 06/13/2024 04:37

Lab File ID: 60747_018.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone (MIBK)	Ave	0.996	1.005		10.1	10.0	0.9	30.0
Toluene	Ave	0.9491	0.8964		9.44	10.0	-5.6	30.0
1,3-Dichloropropene, trans-	Ave	0.6553	0.6649		10.1	10.0	1.5	30.0
1,1,2-Trichloroethane	Ave	0.5291	0.4929		9.31	10.0	-6.8	30.0
Tetrachloroethene	Ave	0.6004	0.5382		8.96	10.0	-10.4	30.0
2-Hexanone	Ave	1.068	1.077		10.1	10.0	0.9	30.0
Dibromochloromethane	Ave	0.8026	0.7554		9.41	10.0	-5.9	30.0
1,2-Dibromoethane	Ave	0.8364	0.7794		9.32	10.0	-6.8	30.0
Chlorobenzene	Ave	1.221	1.111		9.10	10.0	-9.0	30.0
Ethylbenzene	Ave	2.147	1.979		9.22	10.0	-7.8	30.0
m,p-Xylene	Ave	0.7769	0.7082		18.2	20.0	-8.8	30.0
Xylene, o-	Ave	0.7417	0.6879		9.27	10.0	-7.3	30.0
Styrene	Ave	1.159	1.128		9.73	10.0	-2.6	30.0
Bromoform	Ave	0.5719	0.5406		9.45	10.0	-5.5	30.0
1,1,2,2-Tetrachloroethane	Ave	1.401	1.161		8.28	10.0	-17.1	30.0
2-Chlorotoluene	Ave	1.836	1.581		8.61	10.0	-13.9	30.0
4-Ethyltoluene	Ave	2.178	1.842		8.46	10.0	-15.4	30.0
1,3,5-Trimethylbenzene	Ave	1.827	1.531		8.38	10.0	-16.2	30.0
1,2,4-Trimethylbenzene	Ave	1.897	1.554		8.19	10.0	-18.1	30.0
1,3-Dichlorobenzene	Ave	1.102	0.9335		8.47	10.0	-15.3	30.0
1,4-Dichlorobenzene	Ave	1.090	0.9372		8.60	10.0	-14.0	30.0
1,2-Dichlorobenzene	Ave	1.061	0.8947		8.43	10.0	-15.6	30.0
1,2,4-Trichlorobenzene	Ave	0.7201	0.6991		9.71	10.0	-2.9	30.0
Hexachlorobutadiene	Ave	0.5864	0.5399		9.21	10.0	-7.9	30.0
Naphthalene	Ave	1.561	1.813		11.6	10.0	16.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74300-1

SDG No.: _____

Lab Sample ID: CCVIS 200-206395/2 Calibration Date: 07/16/2024 08:05

Instrument ID: CHAN.i Calib Start Date: 06/12/2024 17:26

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 06/13/2024 04:37

Lab File ID: 61180_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	5.675	7.249		12.8	10.0	27.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	6.226	6.550		10.5	10.0	5.2	30.0
Chloromethane	Ave	2.380	2.369		9.95	10.0	-0.4	30.0
Vinyl chloride	Ave	2.049	1.947		9.50	10.0	-5.0	30.0
1,3-Butadiene	Ave	1.668	1.547		9.27	10.0	-7.3	30.0
Bromomethane	Ave	2.002	1.928		9.63	10.0	-3.7	30.0
Chloroethane	Ave	1.272	1.215		9.56	10.0	-4.4	30.0
Vinyl bromide	Ave	1.765	1.728		9.79	10.0	-2.1	30.0
Trichlorofluoromethane	Ave	4.594	5.847		12.7	10.0	27.3	30.0
Ethanol	Ave	1.047	0.9733		13.9	15.0	-7.0	30.0
1,1-Dichloroethene	Ave	2.105	1.867		8.87	10.0	-11.3	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	4.074	4.075		10.0	10.0	0.0	30.0
Acetone	Ave	3.316	3.919		11.8	10.0	18.2	30.0
Isopropanol	Ave	3.788	3.488		10.7	11.6	-7.9	30.0
Carbon disulfide	Ave	6.120	5.854		9.56	10.0	-4.3	30.0
Allyl chloride	Ave	2.796	2.864		10.2	10.0	2.4	30.0
Methylene Chloride	Ave	2.553	2.651		10.4	10.0	3.8	30.0
tert-Butyl alcohol	Ave	4.053	4.650		11.5	10.0	14.7	30.0
1,2-Dichloroethene, trans-	Ave	3.149	3.246		10.3	10.0	3.1	30.0
Methyl tert-butyl ether	Ave	5.594	6.154		11.0	10.0	10.0	30.0
Hexane	Ave	3.454	3.151		9.12	10.0	-8.8	30.0
1,1-Dichloroethane	Ave	4.077	4.002		9.81	10.0	-1.8	30.0
Methyl ethyl ketone (MEK)	Ave	1.066	0.9878		9.26	10.0	-7.4	30.0
1,2-Dichloroethene, cis-	Ave	2.125	1.990		9.36	10.0	-6.4	30.0
Tetrahydrofuran	Ave	0.5142	0.4764		9.26	10.0	-7.4	30.0
Chloroform	Ave	4.268	4.741		11.1	10.0	11.1	30.0
1,1,1-Trichloroethane	Ave	0.7987	0.9538		11.9	10.0	19.4	30.0
Cyclohexane	Ave	0.5375	0.4845		9.01	10.0	-9.8	30.0
Carbon tetrachloride	Ave	0.7423	0.9394		12.7	10.0	26.5	30.0
Benzene	Ave	1.316	1.188		9.02	10.0	-9.7	30.0
1,2-Dichloroethane	Ave	0.5774	0.7325		12.7	10.0	26.9	30.0
2,2,4-Trimethylpentane	Ave	2.200	1.994		9.06	10.0	-9.4	30.0
n-Heptane	Ave	0.8279	0.7835		9.46	10.0	-5.4	30.0
Trichloroethene	Ave	0.5549	0.5380		9.69	10.0	-3.1	30.0
1,2-Dichloropropane	Ave	0.5192	0.4798		9.24	10.0	-7.6	30.0
Methyl methacrylate	Ave	0.4518	0.4485		9.93	10.0	-0.7	30.0
1,4-Dioxane	Ave	0.2101	0.2345		11.2	10.0	11.6	30.0
Bromodichloromethane	Ave	0.8869	1.030		11.6	10.0	16.1	30.0
1,3-Dichloropropene, cis-	Ave	0.8064	0.8273		10.3	10.0	2.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 200-74300-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-206395/2 Calibration Date: 07/16/2024 08:05
 Instrument ID: CHAN.i Calib Start Date: 06/12/2024 17:26
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 06/13/2024 04:37
 Lab File ID: 61180_002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methyl isobutyl ketone (MIBK)	Ave	0.996	1.102		11.1	10.0	10.5	30.0
Toluene	Ave	0.9491	0.9064		9.55	10.0	-4.5	30.0
1,3-Dichloropropene, trans-	Ave	0.6553	0.7222		11.0	10.0	10.2	30.0
1,1,2-Trichloroethane	Ave	0.5291	0.4882		9.23	10.0	-7.7	30.0
Tetrachloroethene	Ave	0.6004	0.6003		10.0	10.0	-0.0	30.0
2-Hexanone	Ave	1.068	1.161		10.9	10.0	8.7	30.0
Dibromochloromethane	Ave	0.8026	0.9563		11.9	10.0	19.1	30.0
1,2-Dibromoethane	Ave	0.8364	0.8296		9.92	10.0	-0.8	30.0
Chlorobenzene	Ave	1.221	1.161		9.51	10.0	-4.9	30.0
Ethylbenzene	Ave	2.147	2.152		10.0	10.0	0.2	30.0
m,p-Xylene	Ave	0.7769	0.7552		19.4	20.0	-2.8	30.0
Xylene, o-	Ave	0.7417	0.7294		9.83	10.0	-1.7	30.0
Styrene	Ave	1.159	1.227		10.6	10.0	5.9	30.0
Bromoform	Ave	0.5719	0.8350		14.6	10.0	46.0*	30.0
1,1,2,2-Tetrachloroethane	Ave	1.401	1.337		9.54	10.0	-4.6	30.0
2-Chlorotoluene	Ave	1.836	1.937		10.5	10.0	5.5	30.0
4-Ethyltoluene	Ave	2.178	2.363		10.8	10.0	8.5	30.0
1,3,5-Trimethylbenzene	Ave	1.827	2.011		11.0	10.0	10.0	30.0
1,2,4-Trimethylbenzene	Ave	1.897	2.083		11.0	10.0	9.8	30.0
1,3-Dichlorobenzene	Ave	1.102	1.224		11.1	10.0	11.1	30.0
1,4-Dichlorobenzene	Ave	1.090	1.230		11.3	10.0	12.9	30.0
1,2-Dichlorobenzene	Ave	1.061	1.199		11.3	10.0	13.1	30.0
1,2,4-Trichlorobenzene	Ave	0.7201	0.7960		13.0	11.7	10.5	30.0
Hexachlorobutadiene	Ave	0.5864	0.6930		13.3	11.2	18.2	30.0
Naphthalene	Ave	1.561	2.123		16.2	11.9	36.0*	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-74300-1

SDG No.: _____

Instrument ID: CHAN.iStart Date: 06/12/2024 14:54Analysis Batch Number: 205193End Date: 06/13/2024 06:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-205193/1		06/12/2024 14:54	1	60747_001.D	RTX-624 0.32 (mm)
IC 200-205193/4		06/12/2024 17:26	1	60747_004.D	RTX-624 0.32 (mm)
IC 200-205193/5		06/12/2024 18:17	1	60747_005.D	RTX-624 0.32 (mm)
IC 200-205193/6		06/12/2024 19:09	1	60747_006.D	RTX-624 0.32 (mm)
IC 200-205193/7		06/12/2024 20:00	1	60747_007.D	RTX-624 0.32 (mm)
IC 200-205193/9		06/12/2024 21:44	1	60747_009.D	RTX-624 0.32 (mm)
IC 200-205193/12		06/13/2024 00:19	1	60747_012.D	RTX-624 0.32 (mm)
IC 200-205193/13		06/13/2024 01:10	1	60747_013.D	RTX-624 0.32 (mm)
ICIS 200-205193/17		06/13/2024 04:37	1	60747_017.D	RTX-624 0.32 (mm)
ICV 200-205193/18		06/13/2024 05:28	1	60747_018.D	RTX-624 0.32 (mm)
ZZZZZ		06/13/2024 06:20	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins BurlingtonJob No.: 200-74300-1

SDG No.: _____

Instrument ID: CHAN.iStart Date: 07/16/2024 07:16Analysis Batch Number: 206395End Date: 07/17/2024 05:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-206395/1		07/16/2024 07:16	1	61180_001.D	RTX-624 0.32 (mm)
CCVIS 200-206395/2		07/16/2024 08:05	1	61180_002.D	RTX-624 0.32 (mm)
LCS 200-206395/3		07/16/2024 08:57	1	61180_003.D	RTX-624 0.32 (mm)
ZZZZZ		07/16/2024 09:49	1		RTX-624 0.32 (mm)
MB 200-206395/5		07/16/2024 10:42	1	61180_005.D	RTX-624 0.32 (mm)
ZZZZZ		07/16/2024 11:34	1		RTX-624 0.32 (mm)
200-74300-4	34001487	07/16/2024 12:37	0.2	61180_007.D	RTX-624 0.32 (mm)
ZZZZZ		07/16/2024 13:29	2		RTX-624 0.32 (mm)
ZZZZZ		07/16/2024 14:22	2		RTX-624 0.32 (mm)
ZZZZZ		07/16/2024 15:14	2		RTX-624 0.32 (mm)
ZZZZZ		07/16/2024 16:07	2		RTX-624 0.32 (mm)
ZZZZZ		07/16/2024 17:01	1		RTX-624 0.32 (mm)
ZZZZZ		07/16/2024 17:53	2		RTX-624 0.32 (mm)
ZZZZZ		07/16/2024 18:46	10		RTX-624 0.32 (mm)
ZZZZZ		07/16/2024 19:39	1		RTX-624 0.32 (mm)
ZZZZZ		07/16/2024 20:32	1		RTX-624 0.32 (mm)
ZZZZZ		07/16/2024 21:25	1		RTX-624 0.32 (mm)
ZZZZZ		07/16/2024 22:17	1		RTX-624 0.32 (mm)
ZZZZZ		07/16/2024 23:10	4		RTX-624 0.32 (mm)
ZZZZZ		07/17/2024 00:03	1		RTX-624 0.32 (mm)
ZZZZZ		07/17/2024 00:55	1		RTX-624 0.32 (mm)
ZZZZZ		07/17/2024 01:48	1		RTX-624 0.32 (mm)
ZZZZZ		07/17/2024 02:40	1		RTX-624 0.32 (mm)
ZZZZZ		07/17/2024 03:32	10		RTX-624 0.32 (mm)
ZZZZZ		07/17/2024 04:25	10		RTX-624 0.32 (mm)
ZZZZZ		07/17/2024 05:17	10		RTX-624 0.32 (mm)

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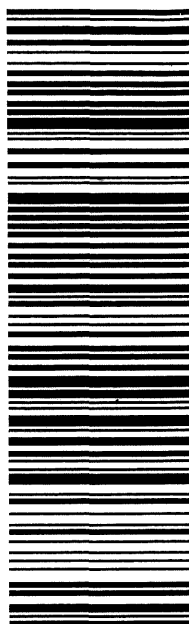
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Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 200-75030-1

Login Number: 75030

List Source: Eurofins Burlington

List Number: 1

Creator: Reynolds, Jamie K

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	No asset information recorded on COC.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received 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.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	