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Cover Page

Order ID : P4660

Project ID : 540 Degraw St, Brooklyn, NY - E9309

Client : ENTACT

Lab Sample Number	Client Sample Number
P4660-01	WC-TA2-01-G
P4660-02	WC-TA2-01-C
P4660-03	WC-TA2-01-C
P4660-04	WC-TA2-01-C
P4660-05	WC-WOOD-01-G
P4660-06	WC-WOOD-01-C
P4660-07	WC-WOOD-01-C
P4660-08	WC-WOOD-01-C
P4660-09	WC-CONCRETE-01-G
P4660-10	WC-CONCRETE-01-C
P4660-11	WC-CONCRETE-01-C
P4660-12	WC-CONCRETE-01-C

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 11/11/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4660**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **KETAN PATEL** **Date:** **11/11/2024**

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LAB CHRONICLE

OrderID:	P4660	**OrderDate:**	10/31/2024 2:38:00 PM
Client:	ENTACT	**Project:**	540 Degraw St, Brooklyn, NY - E9309
Contact:	Chris Lawrence	**Location:**	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4660-01	**WC-TA2-01-G**	**TCLP**			**10/28/24**			**10/31/24**
			TCLP VOA	8260D			11/04/24	
P4660-05	**WC-WOOD-01-G**	**TCLP**			**10/31/24**			**10/31/24**
			TCLP VOA	8260D			11/04/24	
P4660-09	**WC-CONCRETE-01-G**	**TCLP**			**10/31/24**			**10/31/24**
			TCLP VOA	8260D			11/04/24	

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Hit Summary Sheet
SW-846

SDG No.: P4660

Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: P4660

Client: ENTACT

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4660-01	WC-TA2-01-G	1,2-Dichloroethane-d4	50	50.5	101	70 (74)	130 (125)
		Dibromofluoromethane	50	46.1	92	70 (75)	130 (124)
		Toluene-d8	50	46.1	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.3	91	70 (77)	130 (121)
P4660-05	WC-WOOD-01-G	1,2-Dichloroethane-d4	50	49.3	99	70 (74)	130 (125)
		Dibromofluoromethane	50	48.1	96	70 (75)	130 (124)
		Toluene-d8	50	49.0	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.0	100	70 (77)	130 (121)
P4660-09	WC-CONCRETE-01-G	1,2-Dichloroethane-d4	50	46.5	93	70 (74)	130 (125)
		Dibromofluoromethane	50	46.1	92	70 (75)	130 (124)
		Toluene-d8	50	47.6	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.5	103	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: P4660

Client: ENTACT

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN1104WBL01	VN1104WBL01	1,2-Dichloroethane-d4	50	49.3	98	70 (74)	130 (125)
		Dibromofluoromethane	50	49.8	100	70 (75)	130 (124)
		Toluene-d8	50	46.9	94	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.1	90	70 (77)	130 (121)
VN1104WBS01	VN1104WBS01	1,2-Dichloroethane-d4	50	47.2	94	70 (74)	130 (125)
		Dibromofluoromethane	50	49.6	99	70 (75)	130 (124)
		Toluene-d8	50	49.7	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.4	103	70 (77)	130 (121)
VN1104WBSD0	VN1104WBSD01	1,2-Dichloroethane-d4	50	48.1	96	70 (74)	130 (125)
		Dibromofluoromethane	50	48.0	96	70 (75)	130 (124)
		Toluene-d8	50	49.0	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.9	96	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: SW8260-Low **Datafile :** VN084648.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1104WBS01	Vinyl chloride	20	18.1	ug/L	91			70 (65)	130 (117)	
	1,1-Dichloroethene	20	17.5	ug/L	88			70 (74)	130 (110)	
	2-Butanone	100	93.0	ug/L	93			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.0	ug/L	95			70 (77)	130 (113)	
	Chloroform	20	18.6	ug/L	93			70 (79)	130 (113)	
	Benzene	20	18.3	ug/L	92			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.8	ug/L	94			70 (80)	130 (115)	
	Trichloroethene	20	18.2	ug/L	91			70 (77)	130 (113)	
	Tetrachloroethene	20	17.9	ug/L	90			70 (67)	130 (123)	
	Chlorobenzene	20	17.3	ug/L	86			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4660

Client: ENTACT

Analytical Method: SW8260-Low **Datafile :** VN084649.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1104WBSD01	Vinyl chloride	20	18.6	ug/L	93	2		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	18.0	ug/L	90	2		70 (74)	130 (110)	20 (20)
	2-Butanone	100	99.4	ug/L	99	6		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.2	ug/L	96	1		70 (77)	130 (113)	20 (20)
	Chloroform	20	19.8	ug/L	99	6		70 (79)	130 (113)	20 (20)
	Benzene	20	19.1	ug/L	96	4		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	19.7	ug/L	99	5		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.7	ug/L	94	3		70 (77)	130 (113)	20 (20)
	Tetrachloroethene	20	19.4	ug/L	97	7		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.0	ug/L	95	10		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1104WBL01

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Lab File ID: VN084647.D Lab Sample ID: VN1104WBL01

Date Analyzed: 11/04/2024 Time Analyzed: 10:38

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1104WBS01	VN1104WBS01	VN084648.D	11/04/2024
VN1104WBSD01	VN1104WBSD01	VN084649.D	11/04/2024
WC-TA2-01-G	P4660-01	VN084657.D	11/04/2024
WC-WOOD-01-G	P4660-05	VN084659.D	11/04/2024
WC-CONCRETE-01-G	P4660-09	VN084661.D	11/04/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Lab File ID: VN084569.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:42

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	70.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN084570.D	10/30/2024	11:46
VSTDICCC050	VSTDICCC050	VN084571.D	10/30/2024	12:09
VSTDICC020	VSTDICC020	VN084572.D	10/30/2024	12:33
VSTDICC010	VSTDICC010	VN084573.D	10/30/2024	12:57
VSTDICC005	VSTDICC005	VN084574.D	10/30/2024	13:21
VSTDICC001	VSTDICC001	VN084575.D	10/30/2024	13:45

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Lab File ID: VN084644.D BFB Injection Date: 11/04/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:22

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.5
75	30.0 - 60.0% of mass 95	51.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	73.3
175	5.0 - 9.0% of mass 174	5.1 (7) 1
176	95.0 - 101.0% of mass 174	72 (98.3) 1
177	5.0 - 9.0% of mass 176	5 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084645.D	11/04/2024	09:32
VN1104WBL01	VN1104WBL01	VN084647.D	11/04/2024	10:38
VN1104WBS01	VN1104WBS01	VN084648.D	11/04/2024	11:14
VN1104WBSD01	VN1104WBSD01	VN084649.D	11/04/2024	11:38
WC-TA2-01-G	P4660-01	VN084657.D	11/04/2024	15:05
WC-WOOD-01-G	P4660-05	VN084659.D	11/04/2024	15:53
WC-CONCRETE-01-G	P4660-09	VN084661.D	11/04/2024	16:41

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Lab File ID: VN084645.D Date Analyzed: 11/04/2024

Instrument ID: MSVOA_N Time Analyzed: 09:32

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	188408	8.22	303241	9.10	268457	11.86
UPPER LIMIT	376816	8.718	606482	9.6	536914	12.359
LOWER LIMIT	94204	7.718	151621	8.6	134229	11.359
EPA SAMPLE NO.						
WC-TA2-01-G	171677	8.22	307928	9.10	271085	11.87
WC-WOOD-01-G	170730	8.22	303877	9.10	288279	11.87
WC-CONCRETE-01-G	183096	8.22	318203	9.10	292659	11.87
VN1104WBL01	181983	8.22	315820	9.09	273716	11.86
VN1104WBS01	191080	8.22	315901	9.09	287009	11.87
VN1104WBSD01	179675	8.22	301837	9.10	269118	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG NO.: P4660

Lab File ID: VN084645.D Date Analyzed: 11/04/2024

Instrument ID: MSVOA_N Time Analyzed: 09:32

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	143756	13.788				
UPPER LIMIT	287512	14.288				
LOWER LIMIT	71878	13.288				
EPA SAMPLE NO.						
WC-TA2-01-G	119210	13.79				
WC-WOOD-01-G	139356	13.79				
WC-CONCRETE-01-G	141822	13.79				
VN1104WBL01	126703	13.79				
VN1104WBS01	156261	13.79				
VN1104WBSD01	133565	13.79				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Raw Data: **VN084657.D**

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Report of Analysis

Client:	ENTACT	Date Collected:	10/28/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-TA2-01-G	SDG No.:	P4660
Lab Sample ID:	P4660-01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084657.D	1		11/04/24 15:05	VN110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		70 (74) - 130 (125)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	46.1		70 (75) - 130 (124)	92%	SPK: 50
2037-26-5	Toluene-d8	46.1		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.3		70 (77) - 130 (121)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	172000	8.224			
540-36-3	1,4-Difluorobenzene	308000	9.1			
3114-55-4	Chlorobenzene-d5	271000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.788			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VN084657.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084657.D
Acq On : 04 Nov 2024 15:05
Operator : JC\MD
Sample : P4660-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-TA2-01-G

Quant Time: Nov 05 00:27:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	171677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125124	50.461	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.920%			
35) Dibromofluoromethane	8.159	113	96009	46.063	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.120%			
50) Toluene-d8	10.565	98	354149	46.126	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.260%			
62) 4-Bromofluorobenzene	12.847	95	130070	45.329	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.660%			
Target Compounds						Qvalue
16) Acetone	4.424	43	135767	188.852	ug/l	98
95) Naphthalene	15.641	128	777512	112.684	ug/l	99

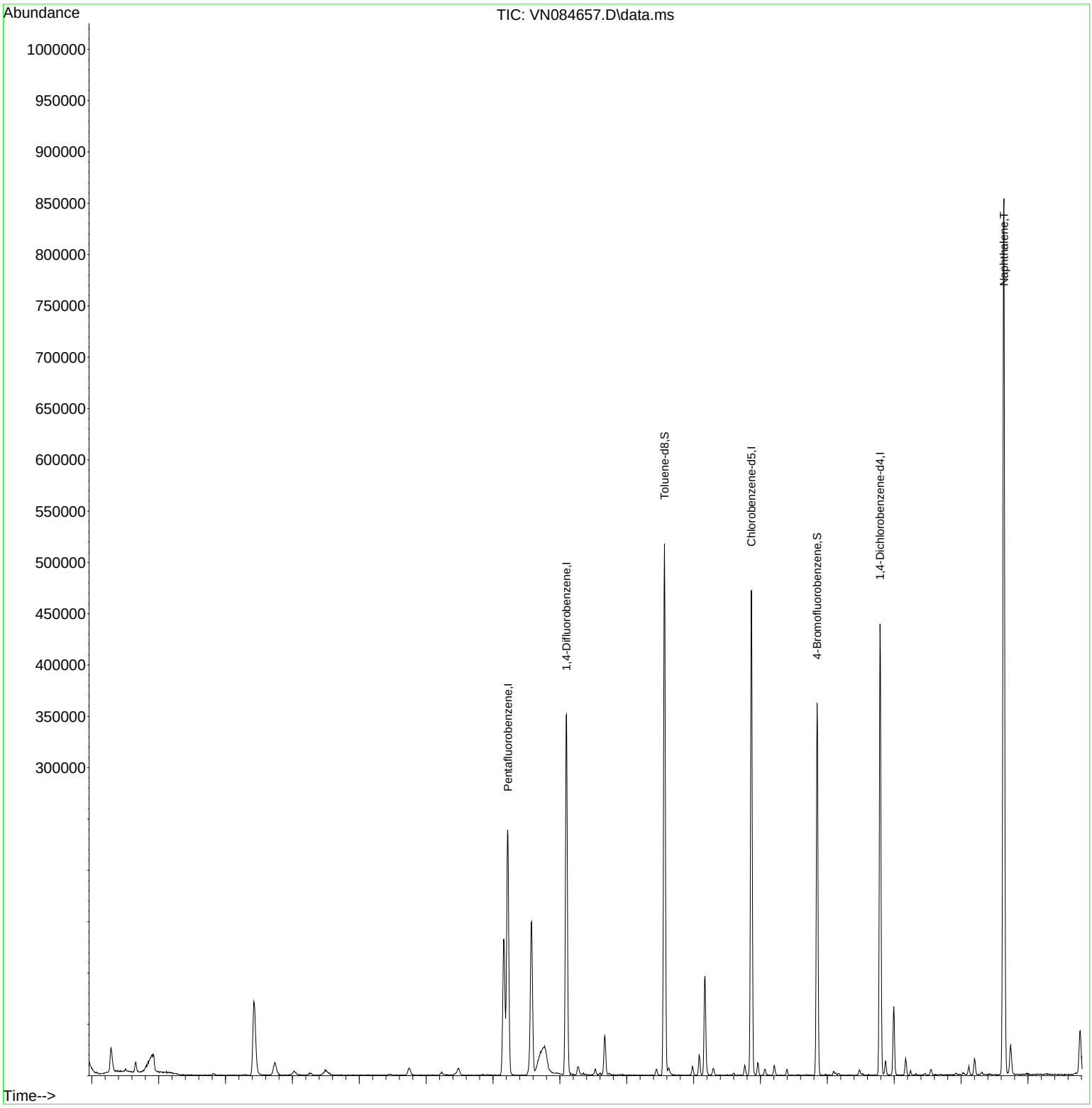
(#) = qualifier out of range (m) = manual integration (+) = signals summed

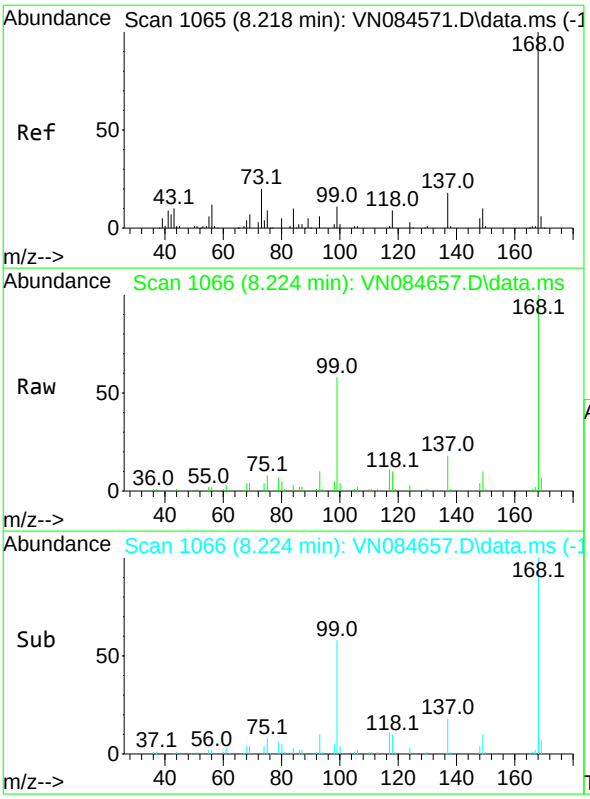
Sample Results: **VN084657.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084657.D
Acq On : 04 Nov 2024 15:05
Operator : JC\MD
Sample : P4660-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-TA2-01-G

Quant Time: Nov 05 00:27:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



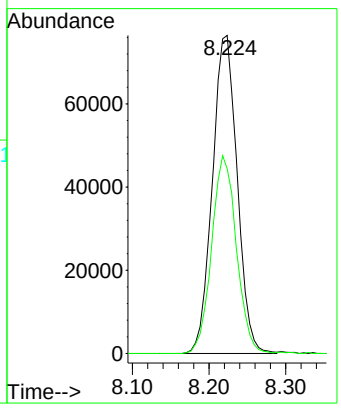


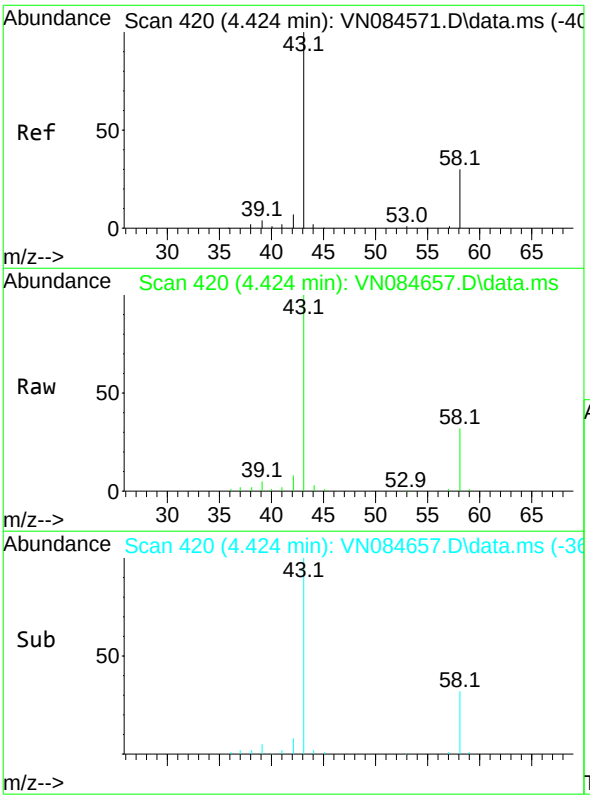
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084657.D
Acq: 04 Nov 2024 15:05

Instrument :
MSVOA_N
ClientSampleId :
WC-TA2-01-G

Tgt Ion:168 Resp: 171677

Ion	Ratio	Lower	Upper
168	100		
99	58.1	54.2	81.2

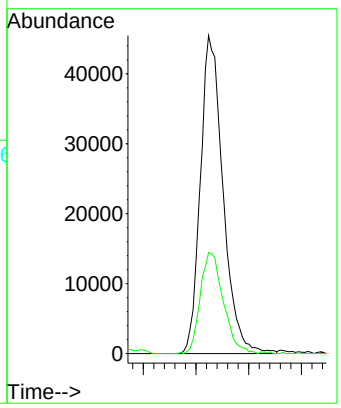


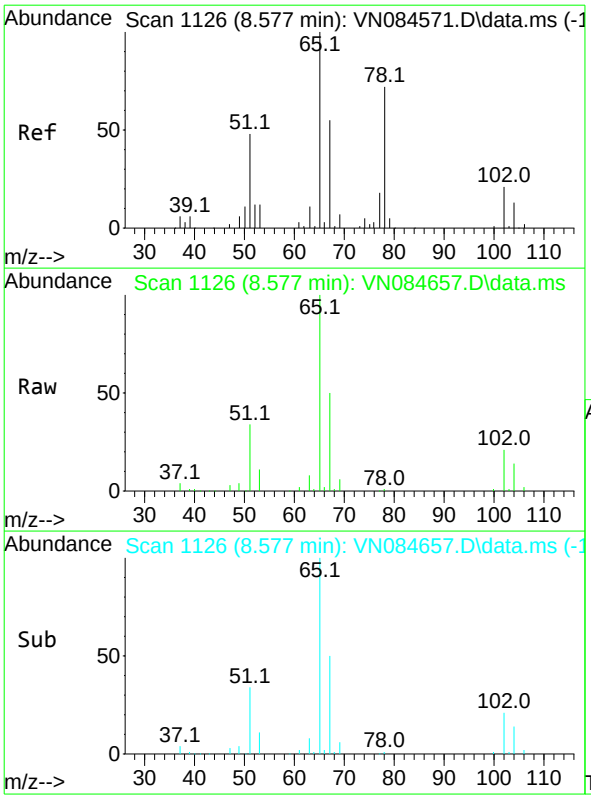


#16
Acetone
Concen: 188.852 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084657.D
Acq: 04 Nov 2024 15:05

Tgt Ion: 43 Resp: 135767

Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.4	36.6



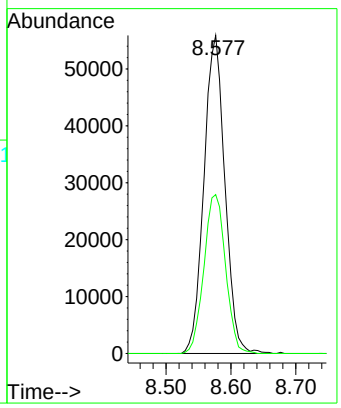


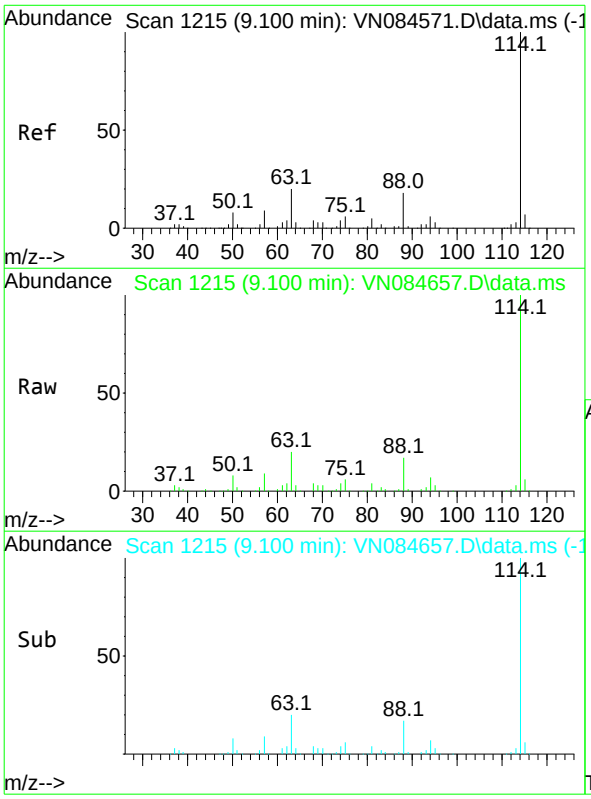
#33
1,2-Dichloroethane-d4
Concen: 50.461 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084657.D
Acq: 04 Nov 2024 15:05

Instrument :
MSVOA_N
ClientSampleId :
WC-TA2-01-G

Tgt Ion: 65 Resp: 125124

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	102.0

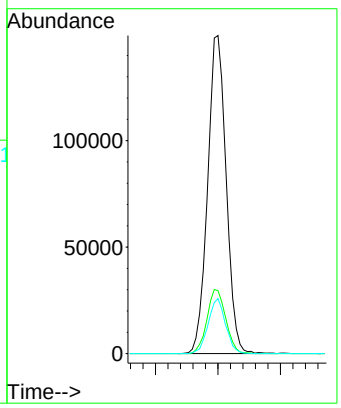


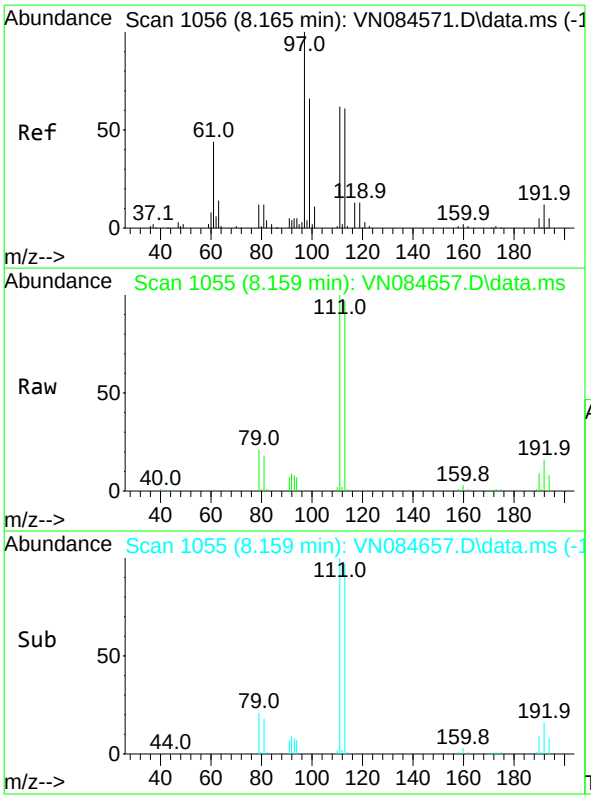


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084657.D
Acq: 04 Nov 2024 15:05

Tgt Ion:114 Resp: 307928

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	43.8
88	17.3	0.0	31.6



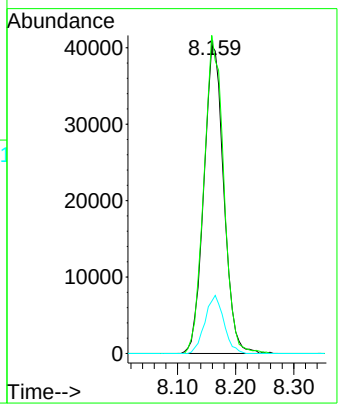


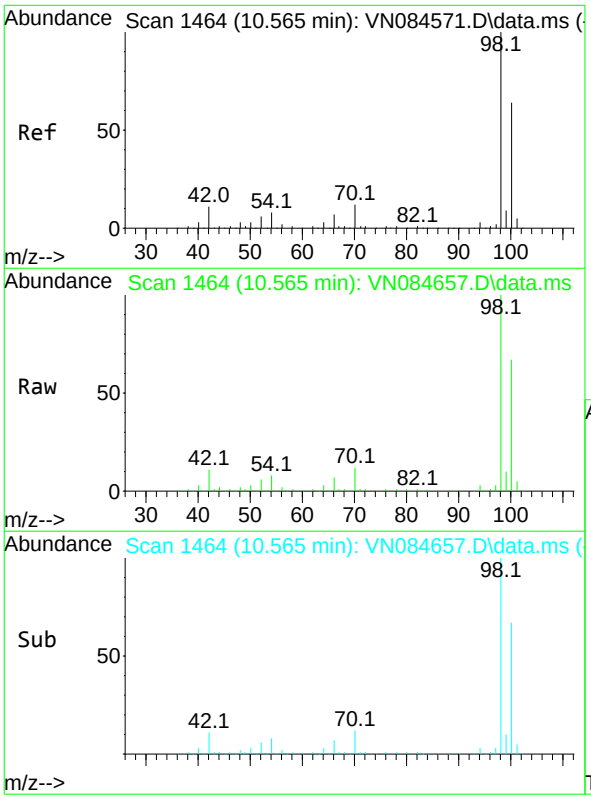
#35
Dibromofluoromethane
Concen: 46.063 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084657.D
Acq: 04 Nov 2024 15:05

Instrument :
MSVOA_N
ClientSampleId :
WC-TA2-01-G

Tgt Ion:113 Resp: 96009

Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.3	124.9
192	17.9	13.5	20.3

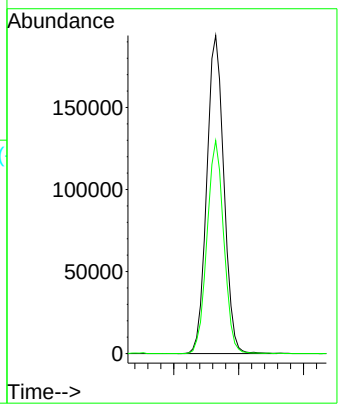


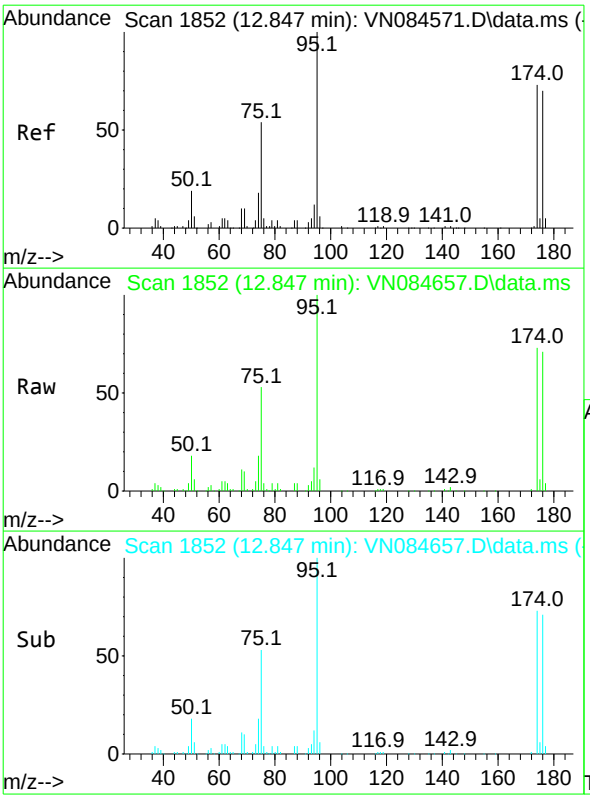


#50
Toluene-d8
Concen: 46.126 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084657.D
Acq: 04 Nov 2024 15:05

Tgt Ion: 98 Resp: 354149

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.7	79.1



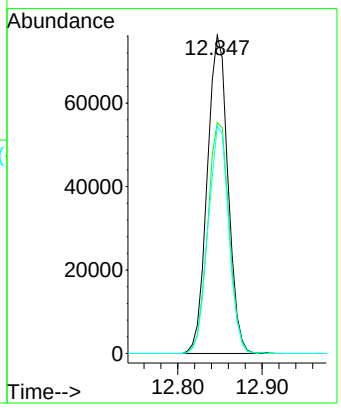


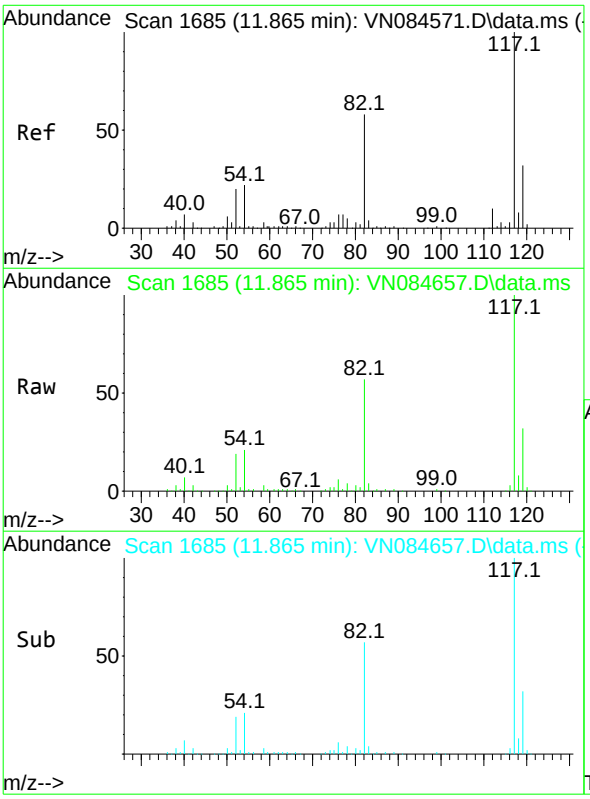
#62
4-Bromofluorobenzene
Concen: 45.329 ug/l
RT: 12.847 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN084657.D
Acq: 04 Nov 2024 15:05

Instrument :
MSVOA_N
ClientSampleId :
WC-TA2-01-G

Tgt Ion: 95 Resp: 130070

Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	145.2
176	71.5	0.0	140.0

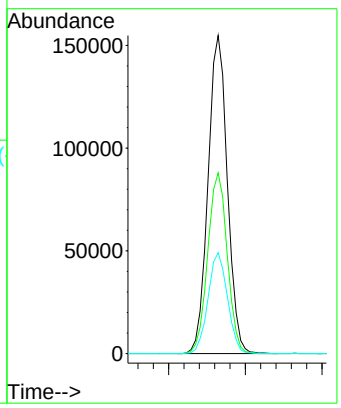


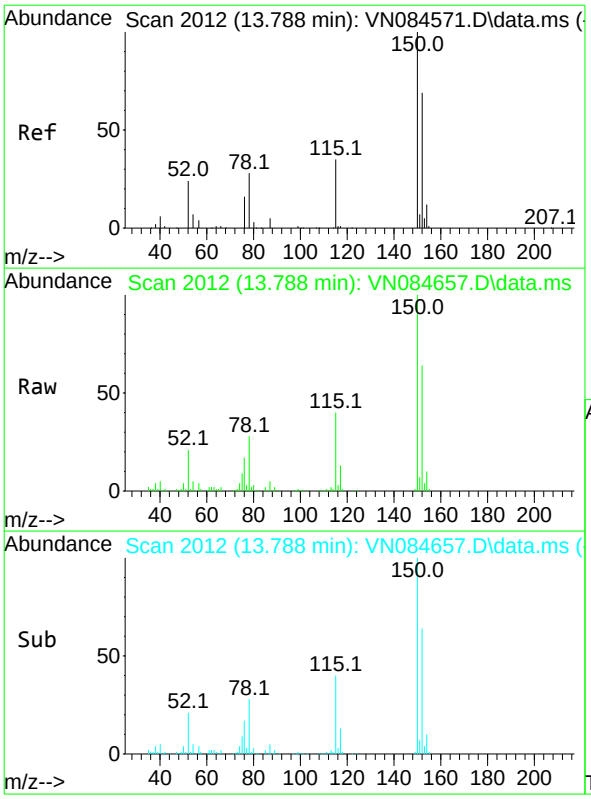


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084657.D
Acq: 04 Nov 2024 15:05

Tgt Ion:117 Resp: 271085

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.2	70.8
119	31.7	25.4	38.0



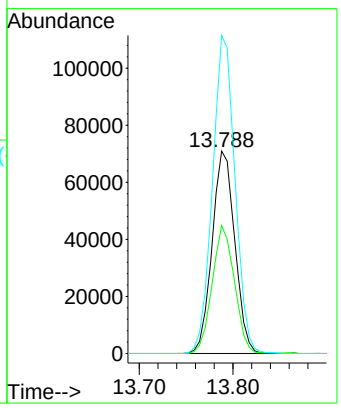


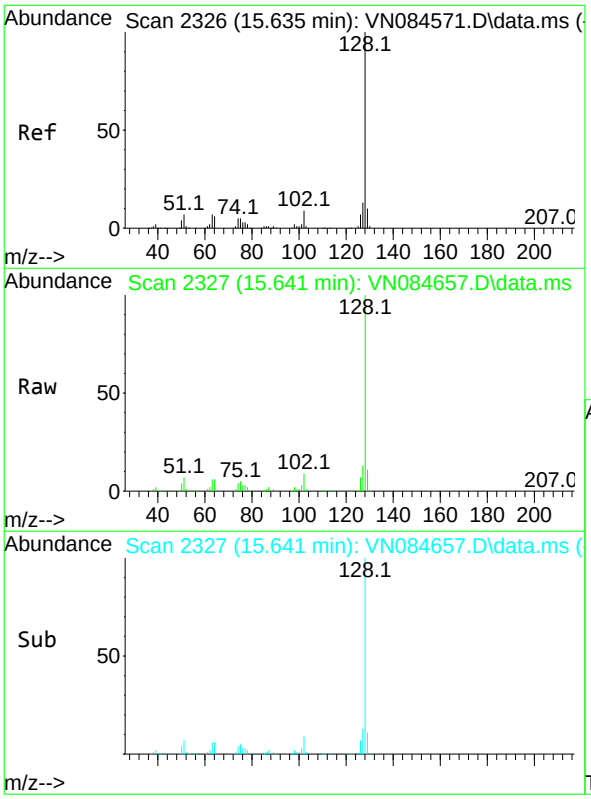
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN084657.D
Acq: 04 Nov 2024 15:05

Instrument :
MSVOA_N
ClientSampleId :
WC-TA2-01-G

Tgt Ion:152 Resp: 119210

Ion	Ratio	Lower	Upper
152	100		
115	62.0	31.3	93.9
150	156.2	0.0	349.8

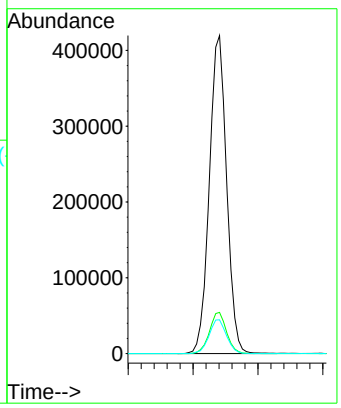




#95
Naphthalene
Concen: 112.684 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084657.D
Acq: 04 Nov 2024 15:05

Tgt Ion:128 Resp: 777512

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.7	8.7	13.1



Raw Data: **VN084659.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	10/31/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-WOOD-01-G	SDG No.:	P4660
Lab Sample ID:	P4660-05	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084659.D	1		11/04/24 15:53	VN110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	171000	8.218			
540-36-3	1,4-Difluorobenzene	304000	9.1			
3114-55-4	Chlorobenzene-d5	288000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	139000	13.788			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VN084659.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084659.D
Acq On : 04 Nov 2024 15:53
Operator : JC\MD
Sample : P4660-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-WOOD-01-G

Quant Time: Nov 05 00:28:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	170730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303877	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	288279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	139356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121507	49.275	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.540%			
35) Dibromofluoromethane	8.165	113	98892	48.079	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.160%			
50) Toluene-d8	10.565	98	370998	48.964	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.920%			
62) 4-Bromofluorobenzene	12.847	95	141640	50.019	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.040%			
Target Compounds						Qvalue
16) Acetone	4.430	43	64681	88.967	ug/l #	87
43) Isopropyl Acetate	8.688	43	134593	27.719	ug/l #	85
80) 1,3,5-Trimethylbenzene	13.170	105	9009	1.113	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	25959	3.107	ug/l	99
95) Naphthalene	15.635	128	20891548	2590.067	ug/l #	94

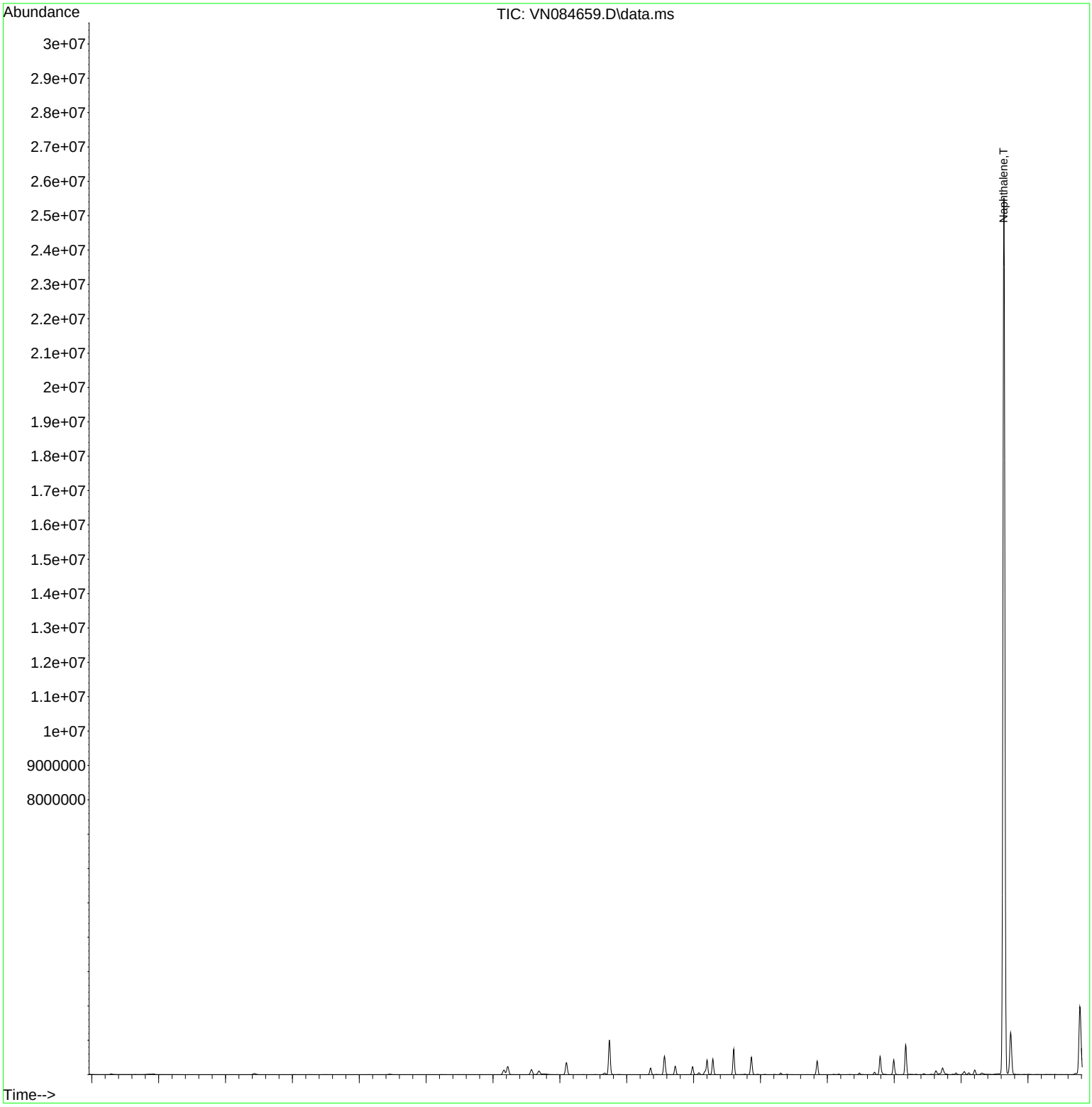
(#) = qualifier out of range (m) = manual integration (+) = signals summed

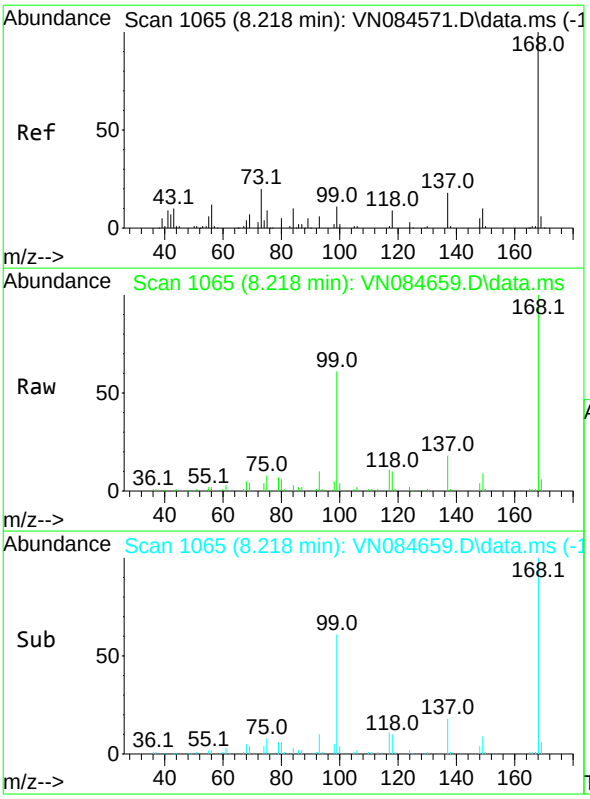
Sample Results: **VN084659.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084659.D
Acq On : 04 Nov 2024 15:53
Operator : JC\MD
Sample : P4660-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-WOOD-01-G

Quant Time: Nov 05 00:28:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



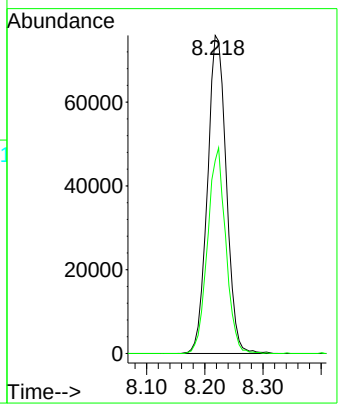


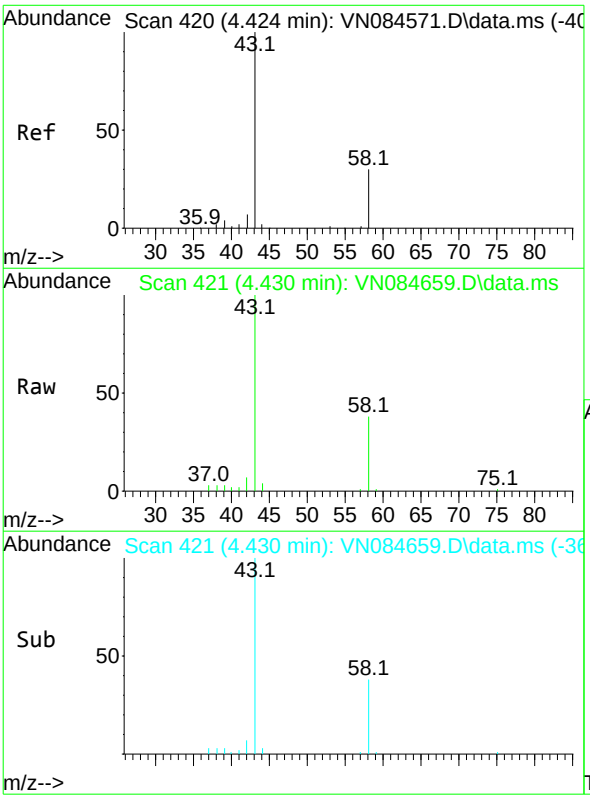
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084659.D
Acq: 04 Nov 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
WC-WOOD-01-G

Tgt Ion:168 Resp: 170730

Ion	Ratio	Lower	Upper
168	100		
99	60.6	54.2	81.2

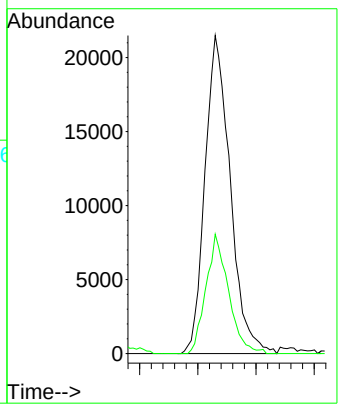


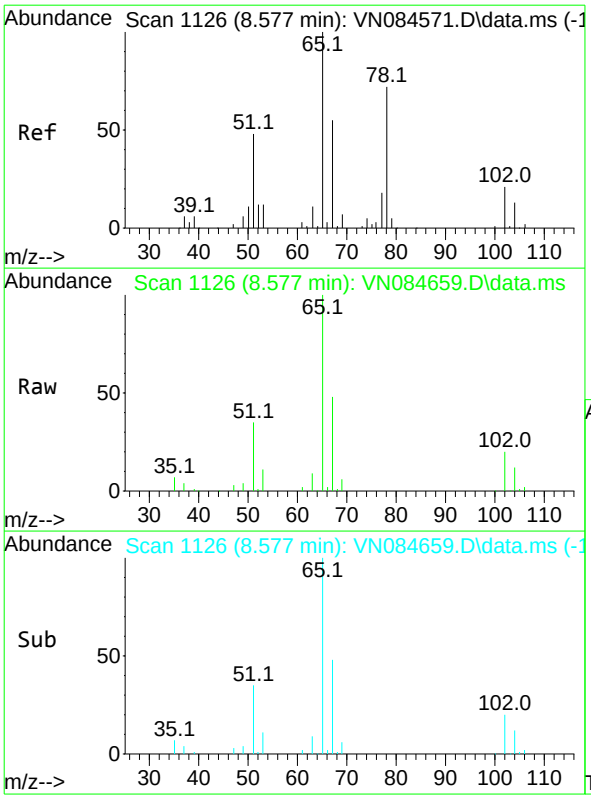


#16
Acetone
Concen: 88.967 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084659.D
Acq: 04 Nov 2024 15:53

Tgt Ion: 43 Resp: 64681

Ion	Ratio	Lower	Upper
43	100		
58	37.5	24.4	36.6#



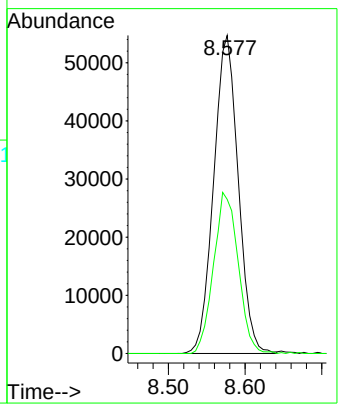


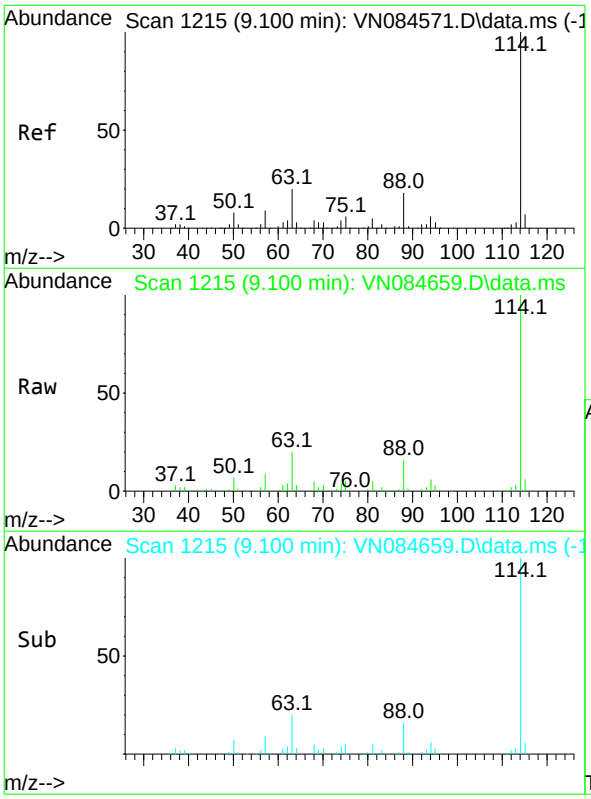
#33
1,2-Dichloroethane-d4
Concen: 49.275 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084659.D
Acq: 04 Nov 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
WC-WOOD-01-G

Tgt Ion: 65 Resp: 121507

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.0

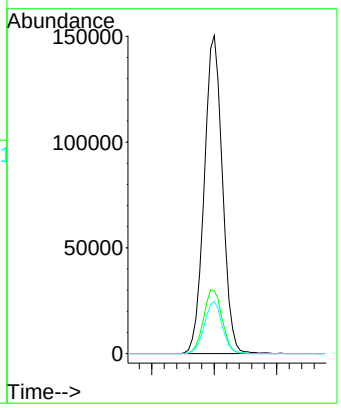


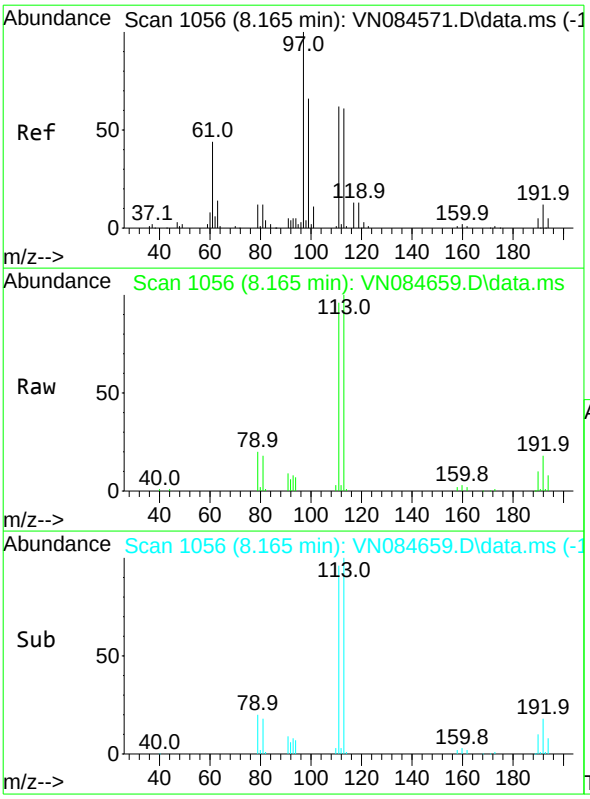


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084659.D
Acq: 04 Nov 2024 15:53

Tgt Ion:114 Resp: 303877

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	43.8
88	16.3	0.0	31.6



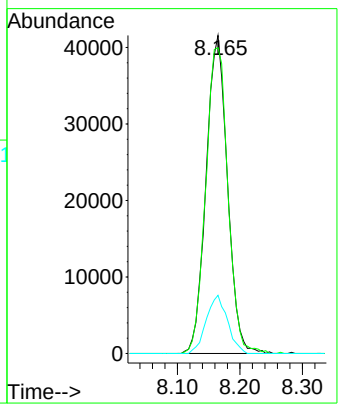


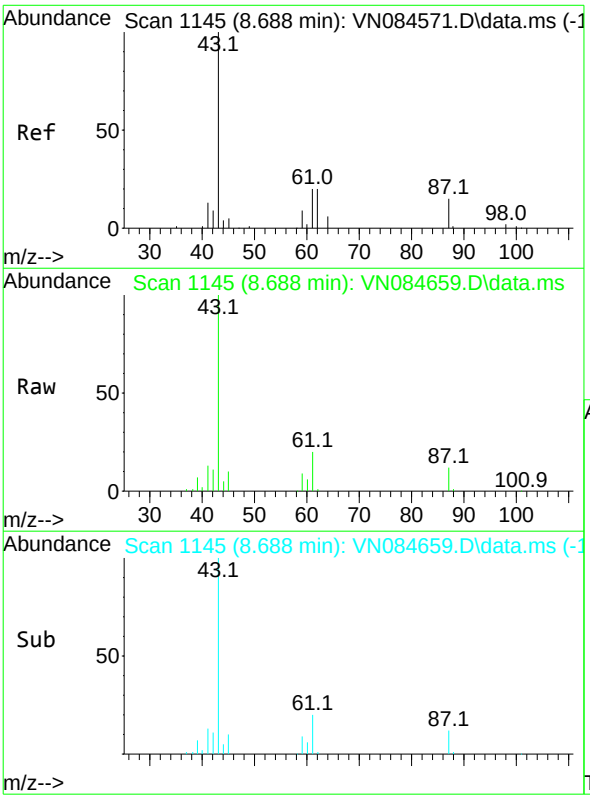
#35
Dibromofluoromethane
Concen: 48.079 ug/l
RT: 8.165 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084659.D
Acq: 04 Nov 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
WC-WOOD-01-G

Tgt Ion:113 Resp: 98892

Ion	Ratio	Lower	Upper
113	100		
111	100.1	83.3	124.9
192	18.2	13.5	20.3

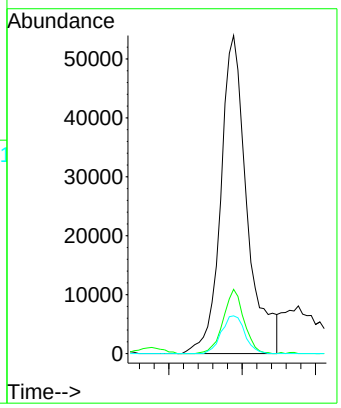


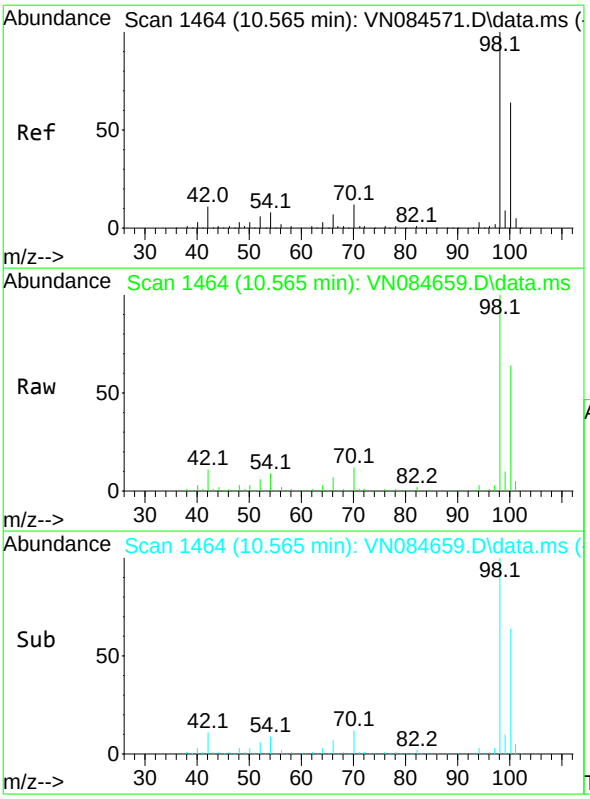


#43
Isopropyl Acetate
Concen: 27.719 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084659.D
Acq: 04 Nov 2024 15:53

Tgt Ion: 43 Resp: 134593

Ion	Ratio	Lower	Upper
43	100		
61	15.9	20.4	30.6#
87	10.5	10.3	15.5



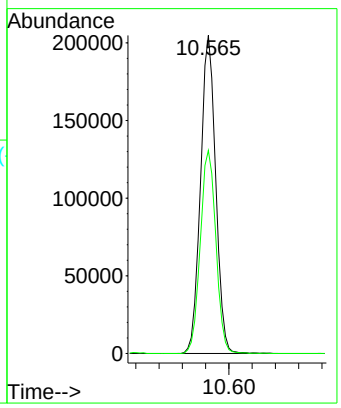


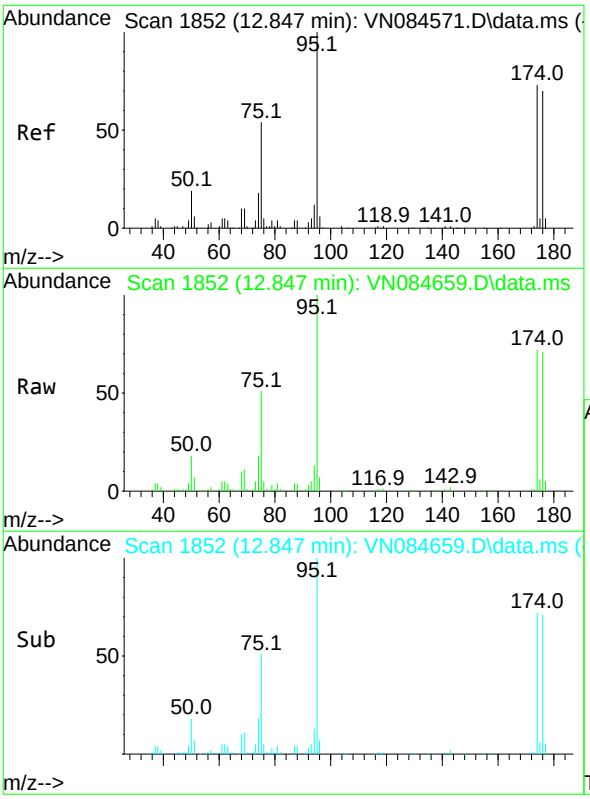
#50
Toluene-d8
Concen: 48.964 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084659.D
Acq: 04 Nov 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
WC-WOOD-01-G

Tgt Ion: 98 Resp: 370998

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1

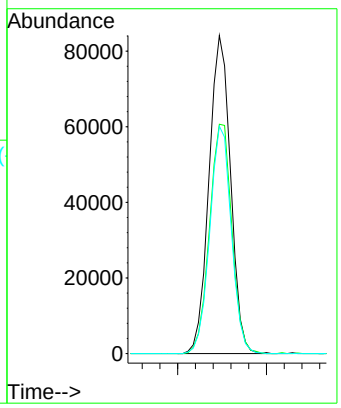


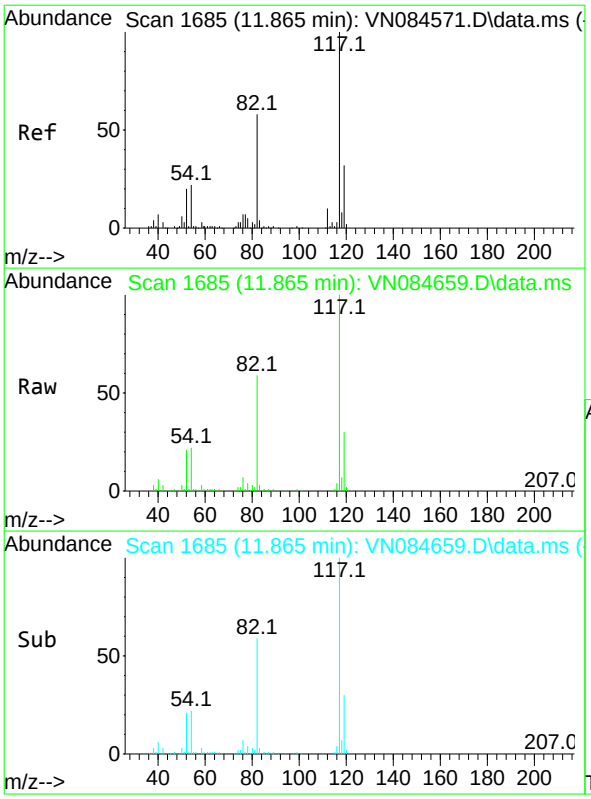


#62
4-Bromofluorobenzene
Concen: 50.019 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084659.D
Acq: 04 Nov 2024 15:53

Tgt Ion: 95 Resp: 141640

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	145.2
176	71.3	0.0	140.0



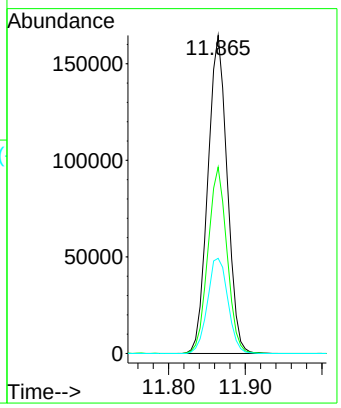


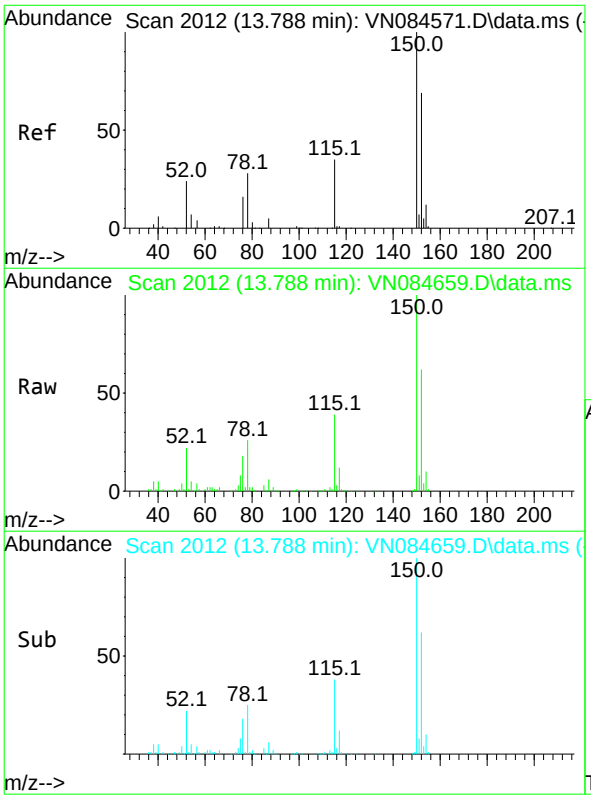
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084659.D
Acq: 04 Nov 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
WC-WOOD-01-G

Tgt Ion:117 Resp: 288279

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.2	70.8
119	29.9	25.4	38.0

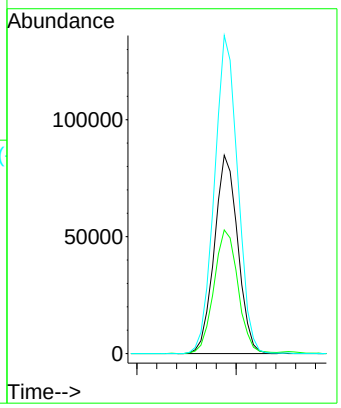


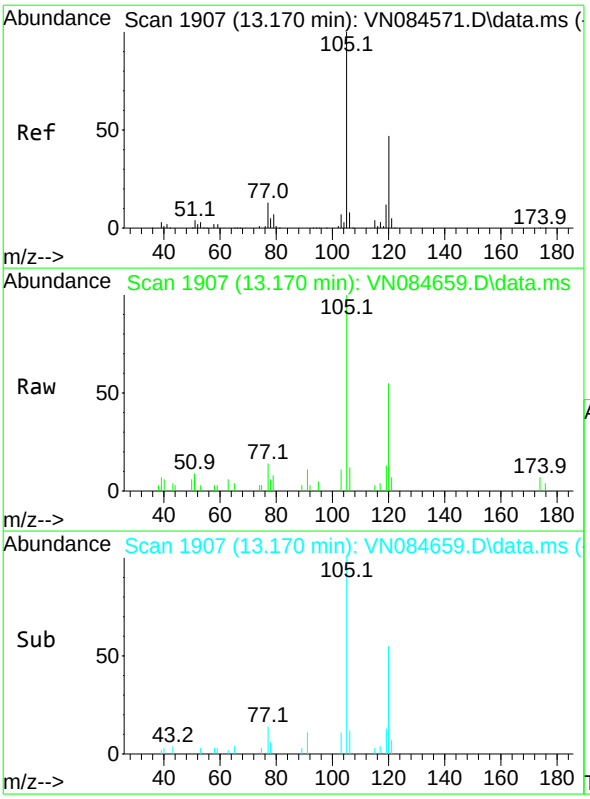


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084659.D
Acq: 04 Nov 2024 15:53

Tgt Ion:152 Resp: 139356

Ion	Ratio	Lower	Upper
152	100		
115	64.3	31.3	93.9
150	159.6	0.0	349.8



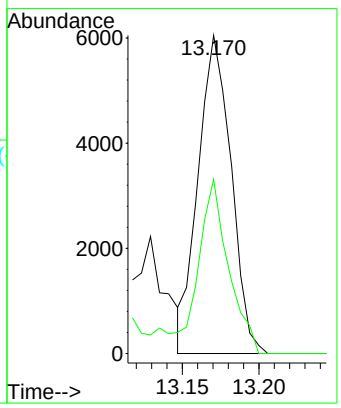


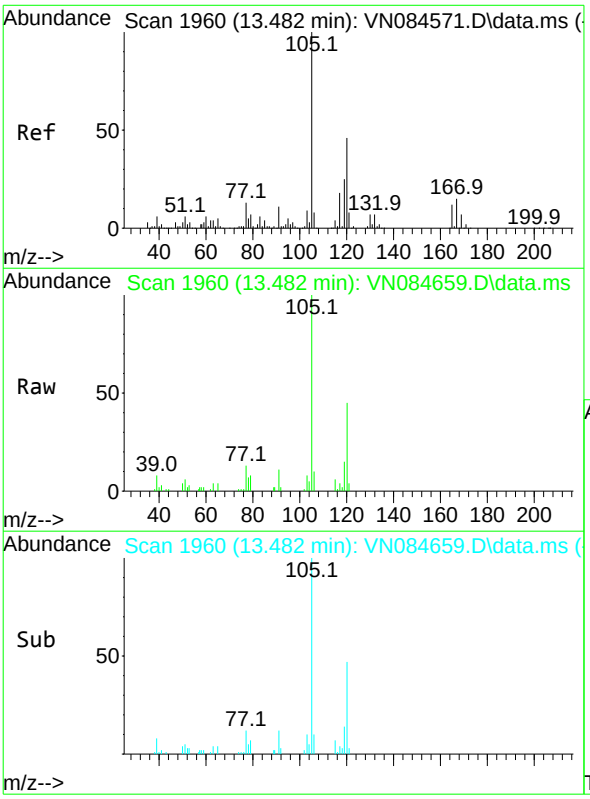
#80
1,3,5-Trimethylbenzene
Concen: 1.113 ug/l
RT: 13.170 min Scan# 19
Delta R.T. -0.000 min
Lab File: VN084659.D
Acq: 04 Nov 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
WC-WOOD-01-G

Tgt Ion:105 Resp: 9009

Ion	Ratio	Lower	Upper
105	100		
120	50.4	23.7	71.1

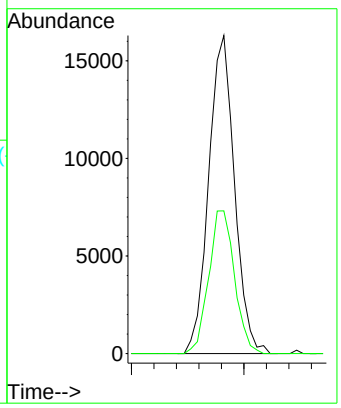


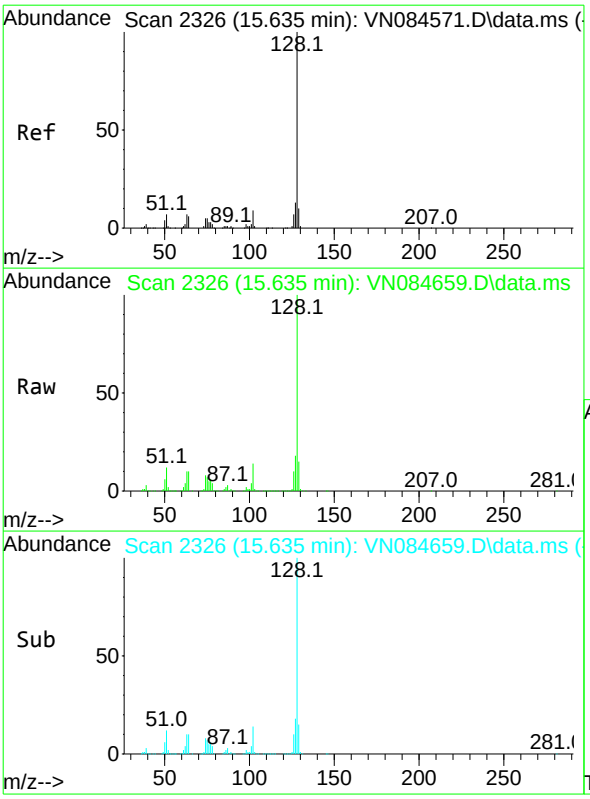


#84
1,2,4-Trimethylbenzene
Concen: 3.107 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084659.D
Acq: 04 Nov 2024 15:53

Tgt Ion:105 Resp: 25959

Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.3	66.8



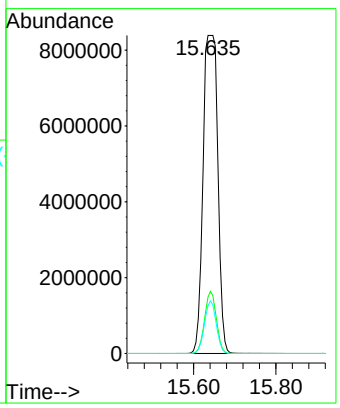


#95
Naphthalene
Concen: 2590.067 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084659.D
Acq: 04 Nov 2024 15:53

Instrument :
MSVOA_N
ClientSampleId :
WC-WOOD-01-G

Tgt Ion:128 Resp:20891548

Ion	Ratio	Lower	Upper
128	100		
127	15.5	10.5	15.7
129	13.2	8.7	13.1#



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	10/31/24
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	10/31/24
Client Sample ID:	WC-CONCRETE-01-G	SDG No.:	P4660
Lab Sample ID:	P4660-09	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084661.D	1		11/04/24 16:41	VN110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	5.00	ug/L
71-43-2	Benzene	0.16	U	0.16	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	5.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	5.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	5.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.5		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	46.1		70 (75) - 130 (124)	92%	SPK: 50
2037-26-5	Toluene-d8	47.6		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	183000	8.218			
540-36-3	1,4-Difluorobenzene	318000	9.1			
3114-55-4	Chlorobenzene-d5	293000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.788			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084661.D
Acq On : 04 Nov 2024 16:41
Operator : JC\MD
Sample : P4660-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-CONCRETE-01-G

Quant Time: Nov 05 00:30:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	183096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	318203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122924	46.482	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.960%			
35) Dibromofluoromethane	8.159	113	99331	46.118	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.240%			
50) Toluene-d8	10.565	98	377748	47.611	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.220%			
62) 4-Bromofluorobenzene	12.847	95	152813	51.535	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.060%			
Target Compounds						Qvalue
16) Acetone	4.436	43	67807	86.903	ug/l	98
43) Isopropyl Acetate	8.688	43	132447	25.989	ug/l #	83
95) Naphthalene	15.635	128	629152	76.644	ug/l	99

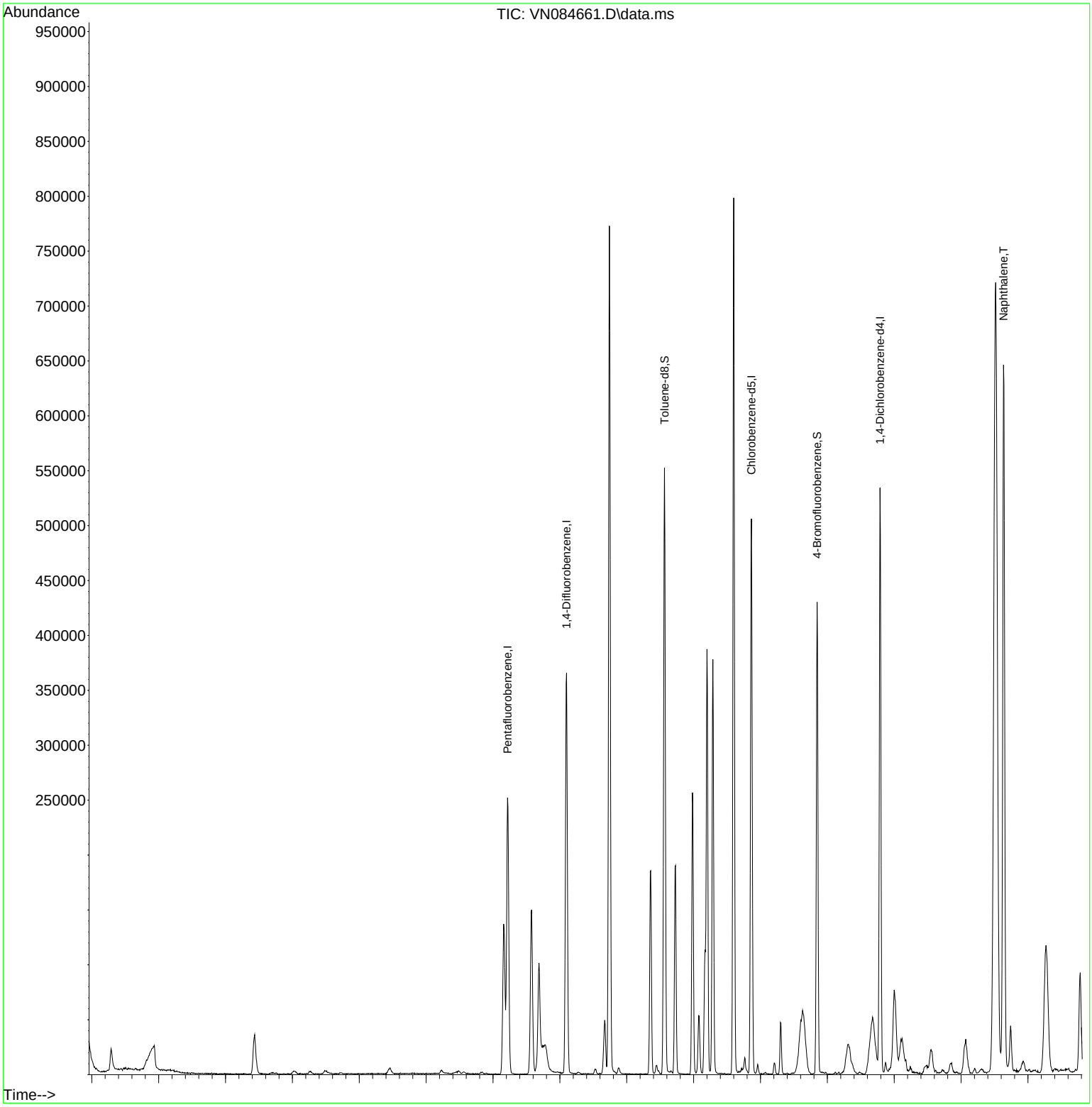
(#) = qualifier out of range (m) = manual integration (+) = signals summed

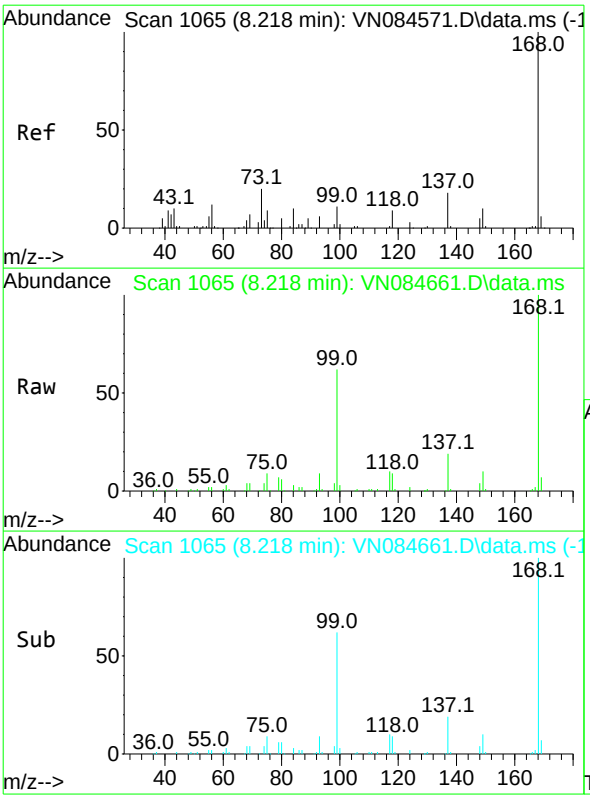
Sample Results: **VN084661.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084661.D
Acq On : 04 Nov 2024 16:41
Operator : JC\MD
Sample : P4660-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-CONCRETE-01-G

Quant Time: Nov 05 00:30:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



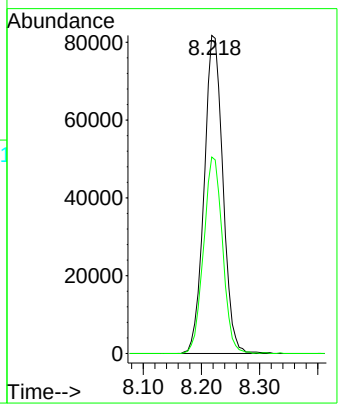


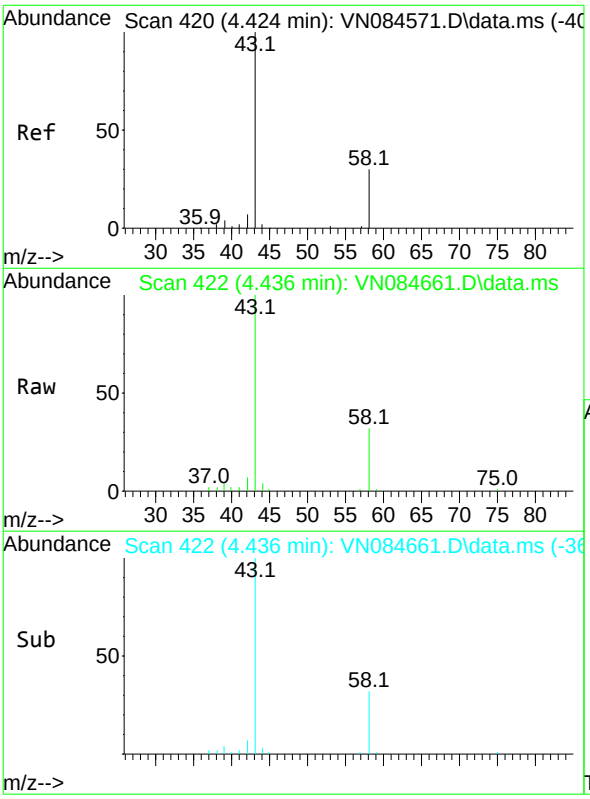
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Instrument :
MSVOA_N
ClientSampleId :
WC-CONCRETE-01-G

Tgt Ion:168 Resp: 183096

Ion	Ratio	Lower	Upper
168	100		
99	61.8	54.2	81.2

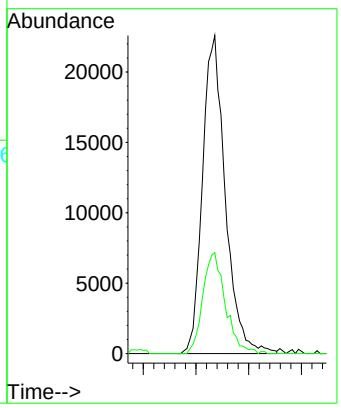


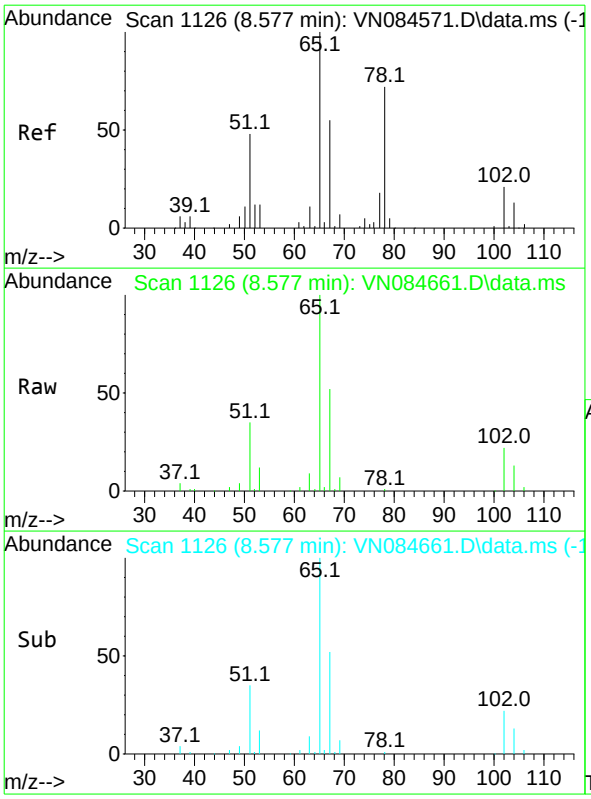


#16
Acetone
Concen: 86.903 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Tgt Ion: 43 Resp: 67807

Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.4	36.6



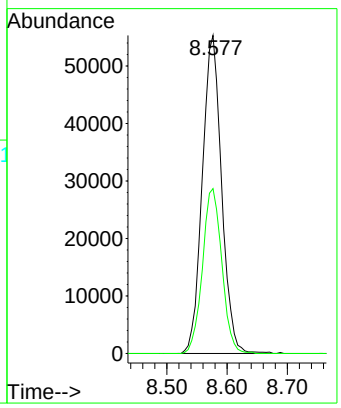


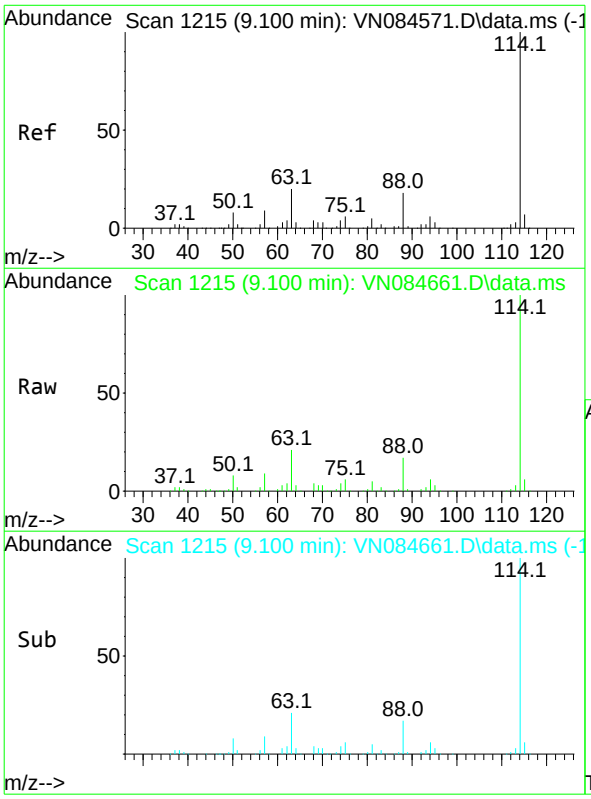
#33
1,2-Dichloroethane-d4
Concen: 46.482 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Instrument :
MSVOA_N
ClientSampleId :
WC-CONCRETE-01-G

Tgt Ion: 65 Resp: 122924

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.0

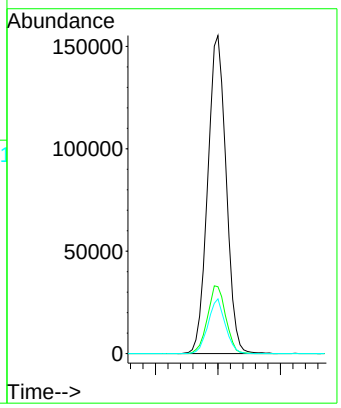


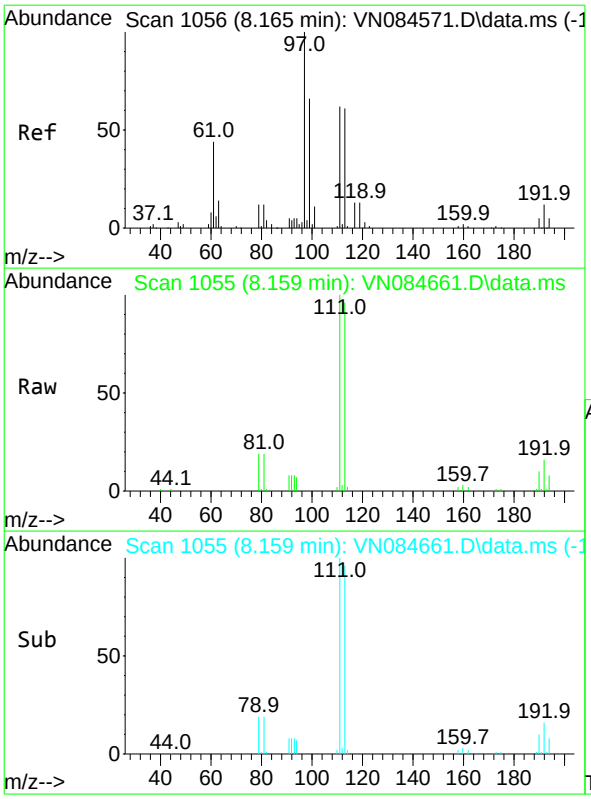


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Tgt Ion:114 Resp: 318203

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.8
88	17.2	0.0	31.6



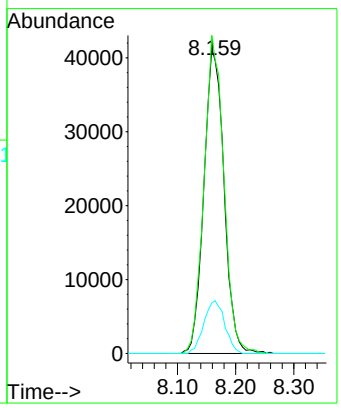


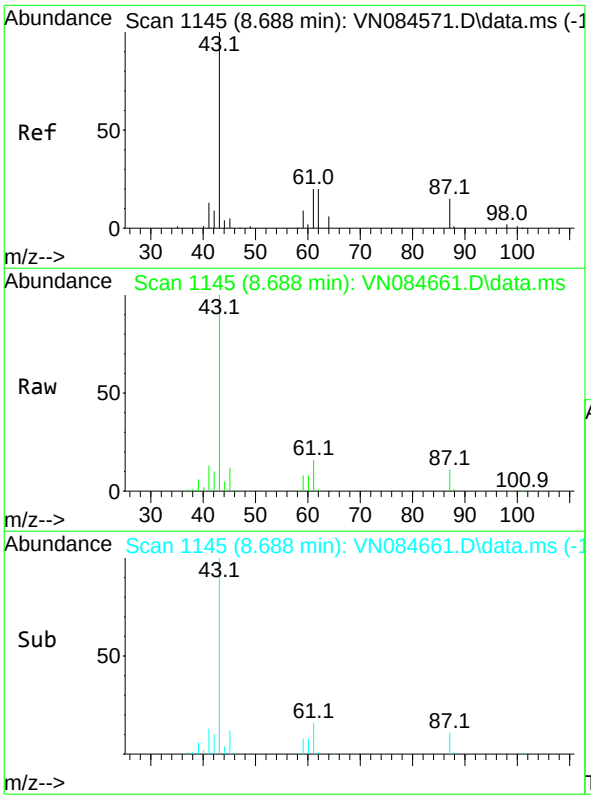
#35
Dibromofluoromethane
Concen: 46.118 ug/l
RT: 8.159 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Instrument :
MSVOA_N
ClientSampleId :
WC-CONCRETE-01-G

Tgt Ion:113 Resp: 99331

Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.3	124.9
192	18.0	13.5	20.3

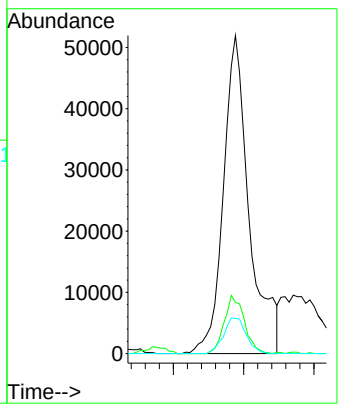


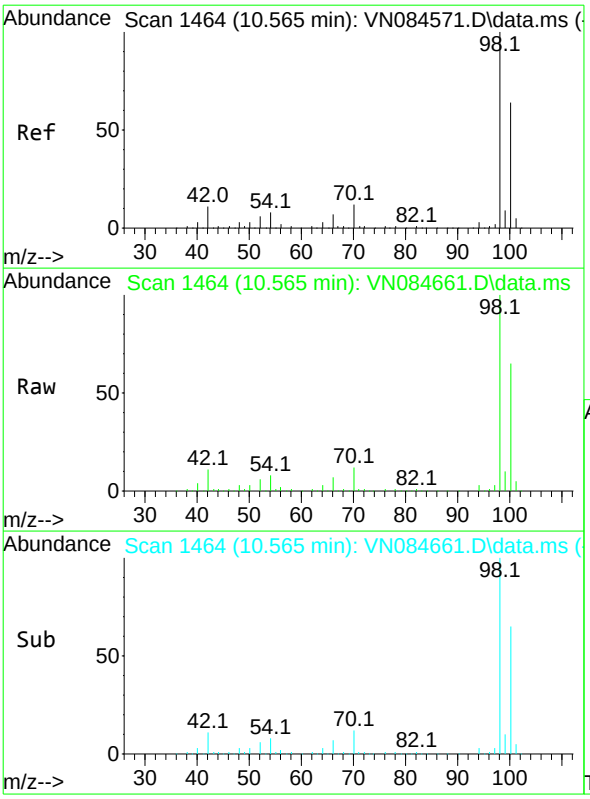


#43
Isopropyl Acetate
Concen: 25.989 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Tgt Ion: 43 Resp: 132447

Ion	Ratio	Lower	Upper
43	100		
61	14.3	20.4	30.6#
87	9.8	10.3	15.5#



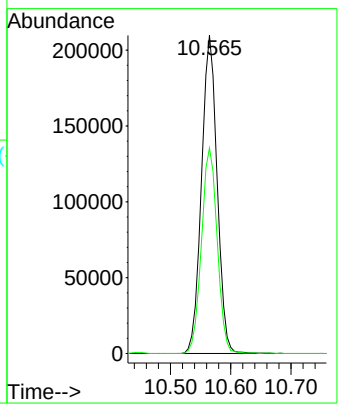


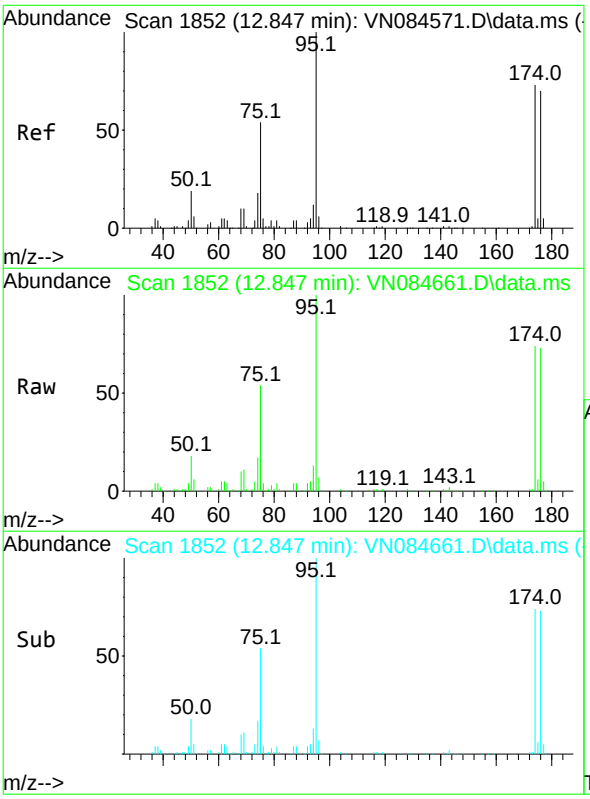
#50
Toluene-d8
Concen: 47.611 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Instrument :
MSVOA_N
ClientSampleId :
WC-CONCRETE-01-G

Tgt Ion: 98 Resp: 377748

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1

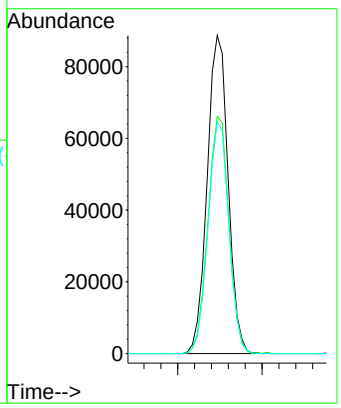


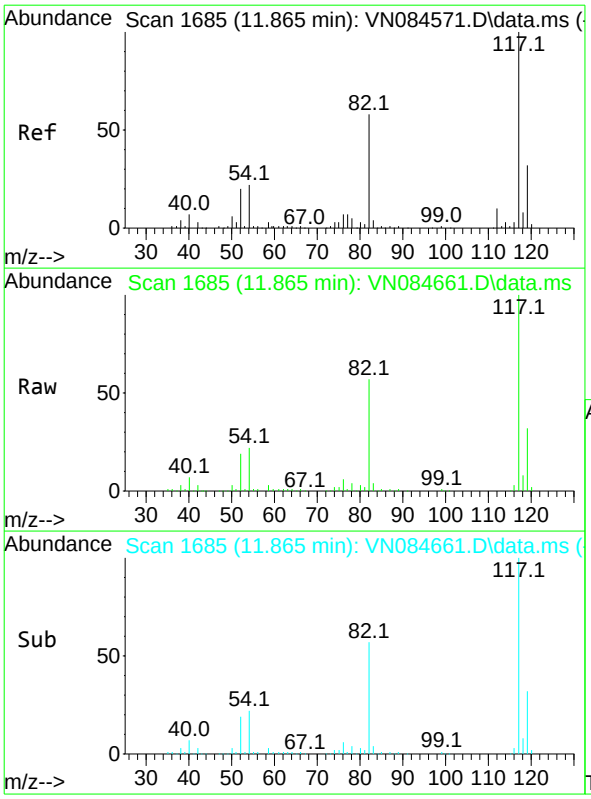


#62
4-Bromofluorobenzene
Concen: 51.535 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Tgt Ion: 95 Resp: 152813

Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	145.2
176	72.2	0.0	140.0



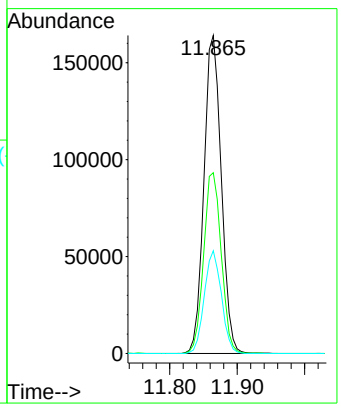


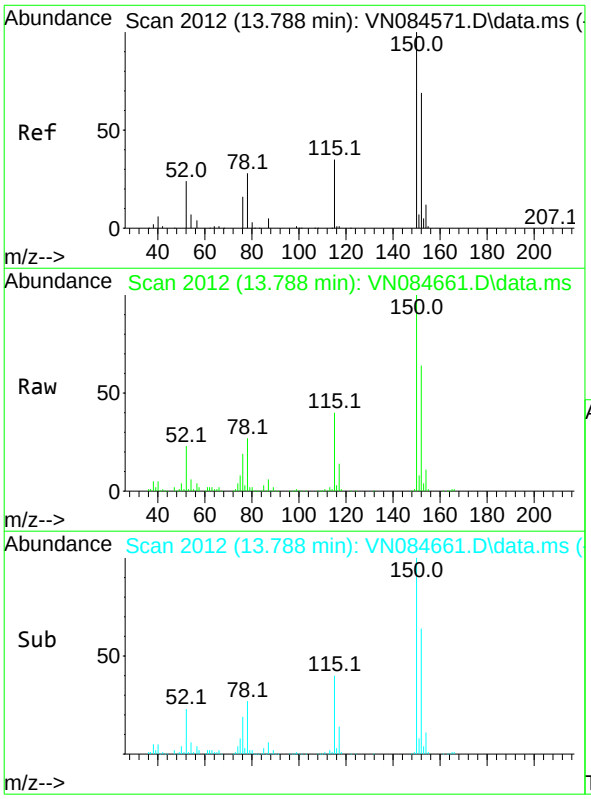
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Instrument :
MSVOA_N
ClientSampleId :
WC-CONCRETE-01-G

Tgt Ion:117 Resp: 292659

Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.2	70.8
119	32.3	25.4	38.0

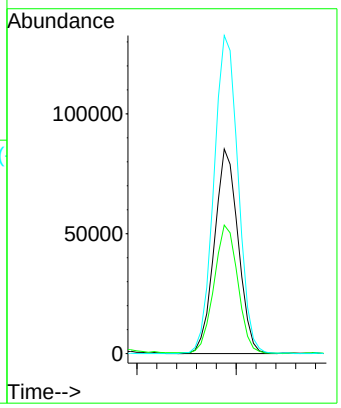


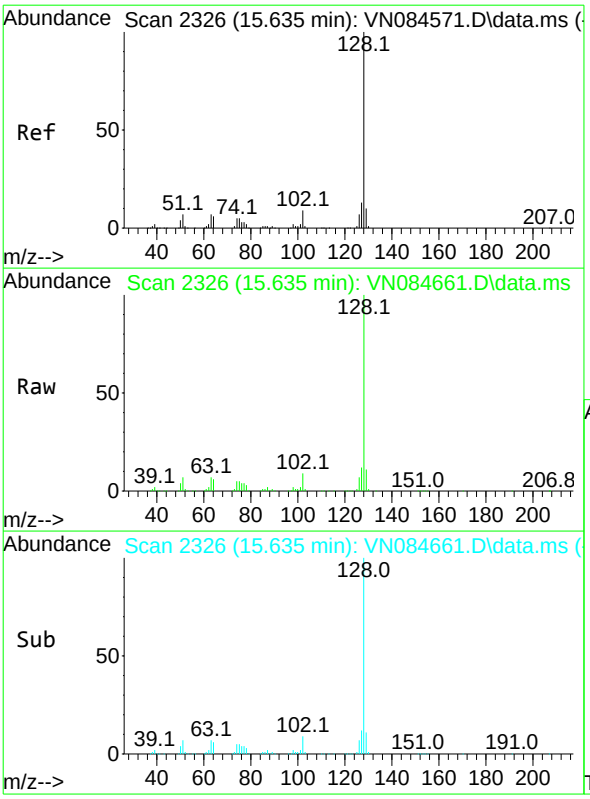


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Tgt Ion:152 Resp: 141822

Ion	Ratio	Lower	Upper
152	100		
115	63.5	31.3	93.9
150	158.8	0.0	349.8



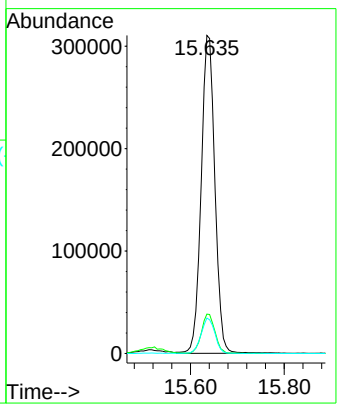


#95
Naphthalene
Concen: 76.644 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084661.D
Acq: 04 Nov 2024 16:41

Instrument :
MSVOA_N
ClientSampleId :
WC-CONCRETE-01-G

Tgt Ion:128 Resp: 629152

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	11.3	8.7	13.1



CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG No.: P4660

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Vinyl Chloride	0.613	0.605	0.623	0.636	0.651	0.581	0.618	4
1,1-Dichloroethene	0.548	0.538	0.560	0.575	0.552	0.644	0.569	6.8
2-Butanone	0.316	0.315	0.348	0.338	0.370	0.334	0.337	6.1
Carbon Tetrachloride	0.530	0.514	0.532	0.548	0.537	0.488	0.525	4
Chloroform	1.099	1.086	1.142	1.154	1.222	1.025	1.121	6
Benzene	1.494	1.448	1.509	1.507	1.546	1.540	1.507	2.4
1,2-Dichloroethane	0.488	0.494	0.493	0.492	0.503	0.459	0.488	3.1
Trichloroethene	0.339	0.335	0.345	0.338	0.341	0.387	0.348	5.7
Tetrachloroethene	0.326	0.313	0.333	0.347	0.351	0.325	0.333	4.3
Chlorobenzene	1.068	1.061	1.149	1.123	1.165	1.146	1.119	3.9
1,2-Dichloroethane-d4	0.689	0.721	0.708	0.722	0.771		0.722	4.2
Dibromofluoromethane	0.334	0.344	0.326	0.336	0.353		0.338	3.1
Toluene-d8	1.267	1.303	1.216	1.231	1.217		1.247	3
4-Bromofluorobenzene	0.481	0.493	0.450	0.451	0.454		0.466	4.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024
Response Via : Initial Calibration

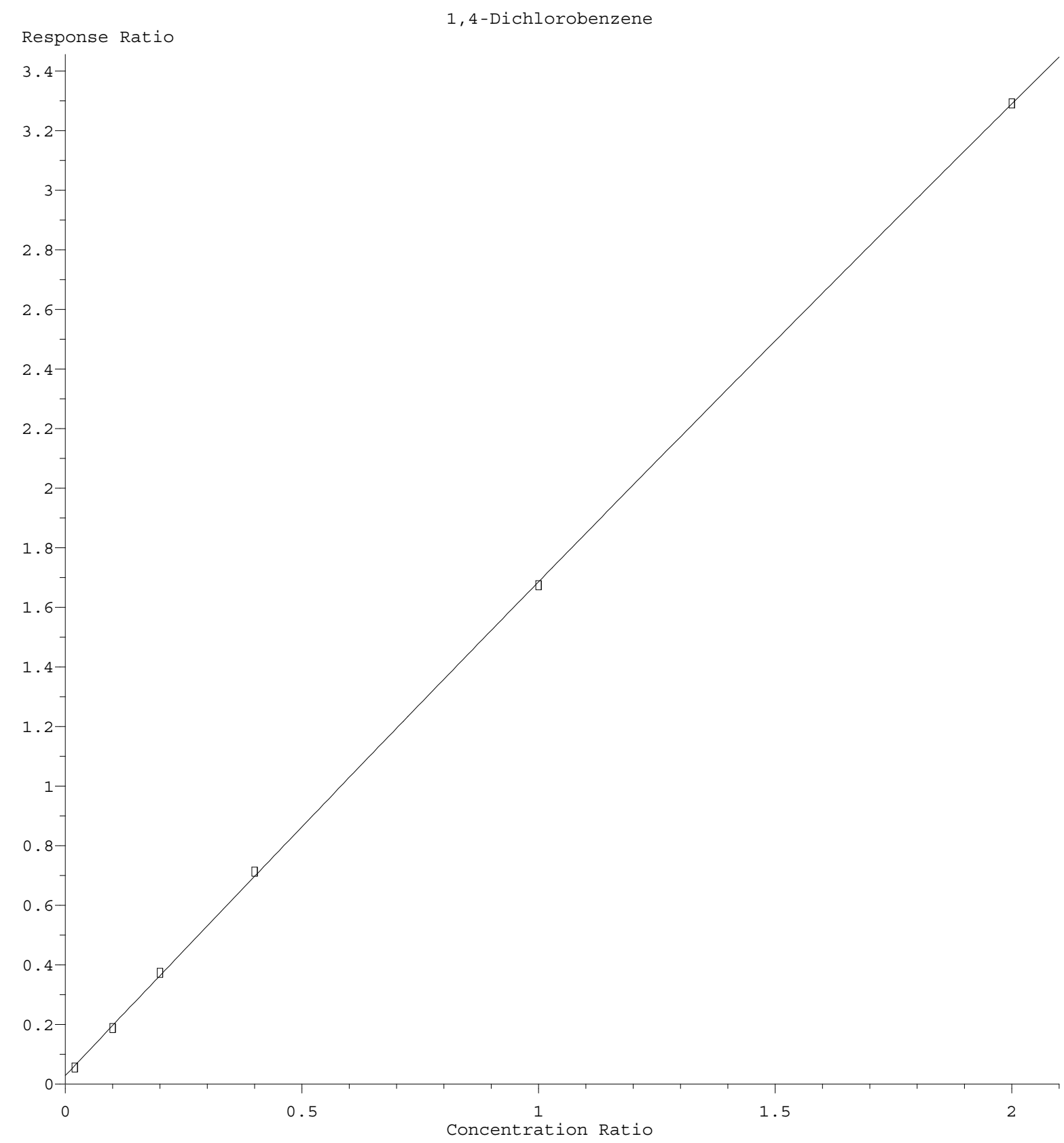
Calibration Files
1 =VN084575.D 5 =VN084574.D 10 =VN084573.D 20 =VN084572.D 50 =VN084571.D 100 =VN084570.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.581	0.594	0.598	0.552	0.552	0.571	0.575	3.43
3)	P	Chloromethane	1.789	0.995	0.871	0.725	0.672	0.658	0.952	45.21
4)	C	Vinyl Chloride	0.581	0.651	0.636	0.623	0.605	0.613	0.618	3.98#
5)	T	Bromomethane		0.405	0.336	0.310	0.296	0.292	0.328	14.16
6)	T	Chloroethane	0.863	0.475	0.426	0.413	0.376	0.378	0.488	38.29
7)	T	Trichlorofluor...	1.071	1.070	1.022	1.017	0.959	0.971	1.018	4.66
8)	T	Diethyl Ether	0.358	0.371	0.364	0.359	0.353	0.351	0.359	2.08
9)	T	1,1,2-Trichlor...	0.586	0.588	0.585	0.571	0.557	0.566	0.575	2.23
10)	T	Methyl Iodide		0.817	0.800	0.764	0.736	0.728	0.769	5.08
11)	T	Tert butyl alc...		0.118	0.100	0.090	0.086	0.082	0.095	15.11
12)	CM	1,1-Dichloroet...	0.644	0.552	0.575	0.560	0.538	0.548	0.569	6.78#
13)	T	Acrolein		0.104	0.096	0.101	0.088	0.086	0.095	8.16
14)	T	Allyl chloride	0.849	0.977	0.925	0.939	0.917	0.934	0.923	4.56
15)	T	Acrylonitrile	0.263	0.294	0.282	0.282	0.271	0.264	0.276	4.42
16)	T	Acetone	0.338	0.241	0.223	0.213	0.204	0.209	0.238	21.31
17)	T	Carbon Disulfide	2.117	1.784	1.714	1.700	1.603	1.604	1.753	10.90
18)	T	Methyl Acetate	2.291	1.266	1.044	0.954	0.749	0.731	1.172	49.71
19)	T	Methyl tert-bu...	1.572	1.786	1.779	1.802	1.758	1.773	1.745	4.92
20)	T	Methylene Chlo...	0.600	0.714	0.658	0.633	0.602	0.604	0.635	7.09
21)	T	trans-1,2-Dich...	0.601	0.584	0.600	0.596	0.563	0.565	0.585	2.94
22)	T	Diisopropyl ether	1.623	1.843	1.909	1.921	1.855	1.858	1.835	5.91
23)	T	Vinyl Acetate	1.090	1.297	1.298	1.306	1.299	1.303	1.265	6.81
24)	P	1,1-Dichloroet...	1.033	1.203	1.127	1.114	1.066	1.067	1.102	5.49
25)	T	2-Butanone	0.334	0.370	0.338	0.348	0.315	0.316	0.337	6.14
26)	T	2,2-Dichloropr...	0.933	0.959	0.978	0.974	0.941	0.968	0.959	1.93
27)	T	cis-1,2-Dichlo...	0.673	0.705	0.685	0.697	0.662	0.675	0.683	2.38
28)	T	Bromochloromet...	0.429	0.408	0.415	0.388	0.511	0.483	0.439	10.79
29)	T	Tetrahydrofuran	0.197	0.236	0.234	0.231	0.222	0.221	0.224	6.52
30)	C	Chloroform	1.025	1.222	1.154	1.142	1.086	1.099	1.121	6.02#
31)	T	Cyclohexane		1.093	1.043	0.956	0.938	0.956	0.997	6.75
32)	T	1,1,1-Trichlor...	0.980	1.032	1.073	1.046	0.991	1.000	1.021	3.53
33)	S	1,2-Dichloroet...		0.771	0.722	0.708	0.721	0.689	0.722	4.20
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.353	0.336	0.326	0.344	0.334	0.338	3.07
36)	T	1,1-Dichloropr...	0.474	0.477	0.468	0.471	0.451	0.476	0.469	2.02
37)	T	Ethyl Acetate	0.410	0.466	0.404	0.429	0.422	0.424	0.426	5.14
38)	T	Carbon Tetrach...	0.488	0.537	0.548	0.532	0.514	0.530	0.525	4.04
39)	T	Methylcyclohexane	0.371	0.458	0.487	0.495	0.509	0.546	0.478	12.46
40)	TM	Benzene	1.540	1.546	1.507	1.509	1.448	1.494	1.507	2.35
41)	T	Methacrylonitrile	0.184	0.238	0.232	0.239	0.246	0.235	0.229	9.89
42)	TM	1,2-Dichloroet...	0.459	0.503	0.492	0.493	0.494	0.488	0.488	3.10
43)	T	Isopropyl Acetate	1.297	1.009	0.895	0.820	0.756	0.786	0.927	21.85
44)	TM	Trichloroethene	0.387	0.341	0.338	0.345	0.335	0.339	0.348	5.66
45)	C	1,2-Dichloropr...	0.330	0.373	0.357	0.358	0.348	0.356	0.354	3.95#
46)	T	Dibromomethane	0.247	0.260	0.244	0.257	0.244	0.245	0.250	2.89
47)	T	Bromodichlorom...	0.530	0.529	0.522	0.526	0.521	0.528	0.526	0.70
48)	T	Methyl methacr...	0.277	0.335	0.336	0.339	0.346	0.355	0.331	8.32
49)	T	1,4-Dioxane	0.005	0.006	0.006	0.006	0.006	0.006	0.006	8.90
50)	S	Toluene-d8		1.217	1.231	1.216	1.303	1.267	1.247	3.02
51)	T	4-Methyl-2-Pen...	0.344	0.412	0.417	0.416	0.423	0.424	0.406	7.59
52)	CM	Toluene	0.757	0.891	0.902	0.919	0.899	0.923	0.882	7.07#
53)	T	t-1,3-Dichloro...	0.555	0.547	0.532	0.538	0.543	0.552	0.544	1.60
54)	T	cis-1,3-Dichlo...	0.548	0.584	0.569	0.582	0.581	0.592	0.576	2.69
55)	T	1,1,2-Trichlor...	0.309	0.342	0.342	0.334	0.329	0.336	0.332	3.72

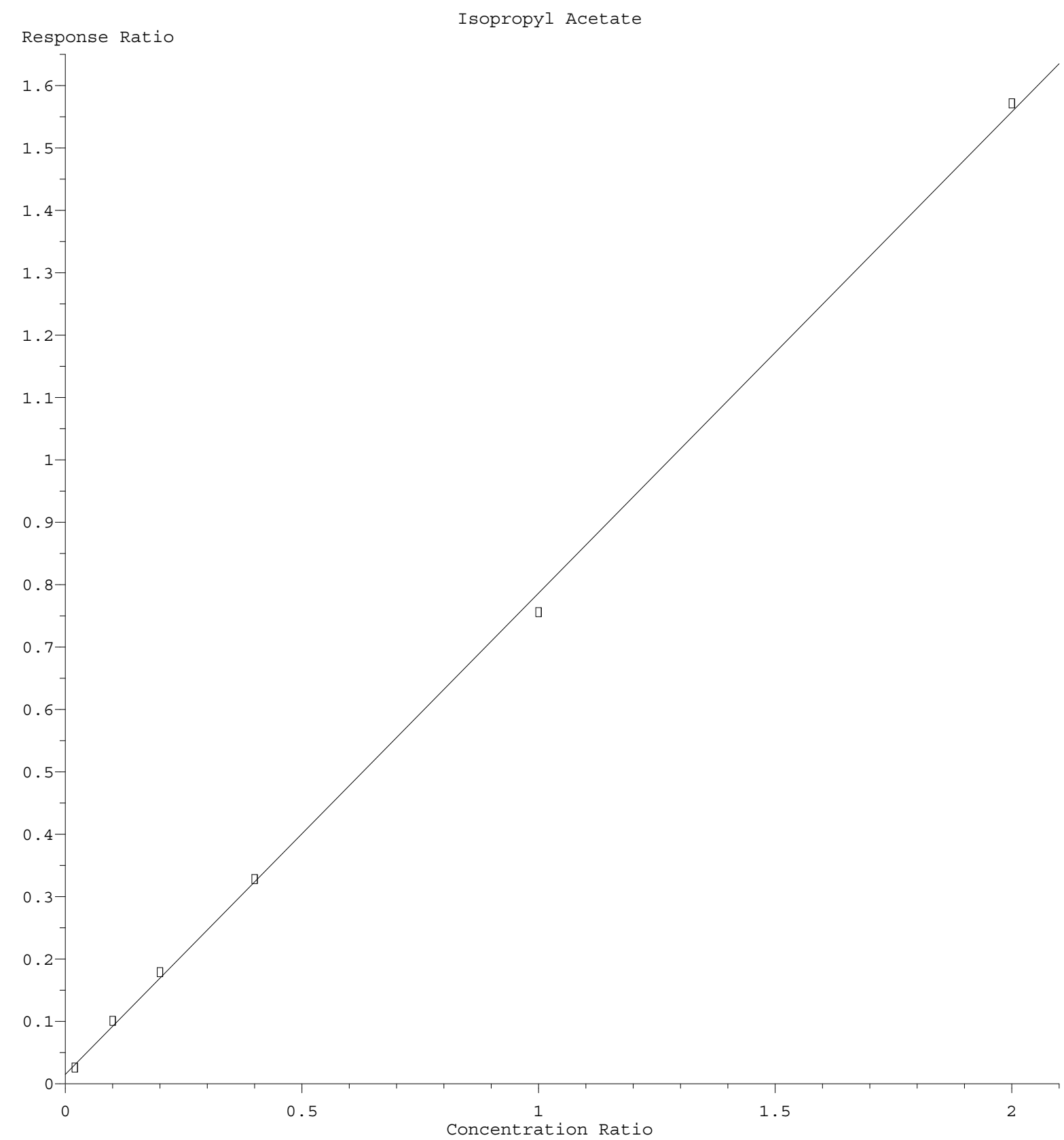
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N103024W.M

56)	T	Ethyl methacry...	0.371	0.449	0.477	0.495	0.539	0.550	0.480	13.66
57)	T	1,3-Dichloropr...	0.527	0.598	0.573	0.579	0.565	0.577	0.570	4.16
58)	T	2-Chloroethyl ...	0.167	0.202	0.214	0.229	0.262	0.275	0.225	17.62
59)	T	2-Hexanone	0.256	0.294	0.297	0.301	0.312	0.314	0.296	7.11
60)	T	Dibromochlorom...	0.312	0.377	0.393	0.391	0.394	0.404	0.378	8.92
61)	T	1,2-Dibromoethane	0.336	0.355	0.335	0.341	0.333	0.340	0.340	2.38
62)	S	4-Bromofluorob...		0.454	0.451	0.450	0.493	0.481	0.466	4.26
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.325	0.351	0.347	0.333	0.313	0.326	0.333	4.29
65)	PM	Chlorobenzene	1.146	1.164	1.123	1.149	1.061	1.068	1.119	3.93
66)	T	1,1,1,2-Tetrac...	0.399	0.404	0.390	0.392	0.375	0.375	0.389	3.01
67)	C	Ethyl Benzene	1.697	1.849	1.880	1.928	1.891	1.957	1.867	4.90#
68)	T	m/p-Xylenes	0.654	0.683	0.701	0.737	0.728	0.737	0.707	4.76
69)	T	o-Xylene	0.550	0.645	0.679	0.701	0.690	0.703	0.661	8.89
70)	T	Styrene	1.050	1.093	1.144	1.206	1.205	1.223	1.154	6.11
71)	P	Bromoform	0.286	0.302	0.289	0.298	0.295	0.287	0.293	2.26
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.188	3.402	3.605	3.701	3.570	3.558	3.504	5.21
74)	T	N-amyl acetate	1.223	1.572	1.527	1.552	1.528	1.546	1.491	8.88
75)	P	1,1,2,2-Tetrac...	1.222	1.317	1.190	1.163	1.073	1.052	1.170	8.39
76)	T	1,2,3-Trichlor...	1.246	1.013	1.020	0.958	0.887	0.873	0.999	13.58
77)	T	Bromobenzene	1.114	0.931	0.943	0.921	0.883	0.860	0.942	9.52
78)	T	n-propylbenzene	3.621	4.041	4.188	4.316	4.236	4.233	4.106	6.19
79)	T	2-Chlorotoluene	2.601	2.746	2.700	2.848	2.621	2.581	2.683	3.82
80)	T	1,3,5-Trimethy...	2.418	2.765	3.038	3.099	3.068	3.037	2.904	9.19
81)	T	trans-1,4-Dich...		0.431	0.446	0.423	0.401	0.406	0.421	4.33
82)	T	4-Chlorotoluene	3.049	2.848	2.822	2.838	2.716	2.667	2.823	4.70
83)	T	tert-Butylbenzene	1.893	2.271	2.461	2.648	2.531	2.617	2.403	11.81
84)	T	1,2,4-Trimethy...	2.579	2.766	3.075	3.265	3.148	3.151	2.997	8.86
85)	T	sec-Butylbenzene	2.962	3.145	3.517	3.608	3.538	3.600	3.395	8.04
86)	T	p-Isopropyltol...	2.218	2.518	2.843	3.003	3.050	3.075	2.784	12.43
87)	T	1,3-Dichlorobe...	2.264	1.884	1.802	1.770	1.668	1.642	1.838	12.33
88)	T	1,4-Dichlorobe...	2.773	1.879	1.867	1.782	1.674	1.646	1.937	21.72
89)	T	n-Butylbenzene	2.747	2.454	2.457	2.623	2.619	2.728	2.605	4.88
90)	T	Hexachloroethane	0.681	0.626	0.633	0.617	0.589	0.578	0.621	5.88
91)	T	1,2-Dichlorobe...	2.021	1.879	1.732	1.748	1.618	1.601	1.766	9.07
92)	T	1,2-Dibromo-3-...	0.272	0.274	0.226	0.229	0.217	0.204	0.237	12.28
93)	T	1,2,4-Trichlor...	1.353	0.956	0.881	0.895	0.865	0.852	0.967	19.90
94)	T	Hexachlorobuta...	0.551	0.438	0.403	0.426	0.369	0.359	0.425	16.33
95)	T	Naphthalene	3.355	2.788	2.710	2.953	2.780	2.778	2.894	8.29
96)	T	1,2,3-Trichlor...	1.189	0.939	0.877	0.953	0.841	0.832	0.939	14.09

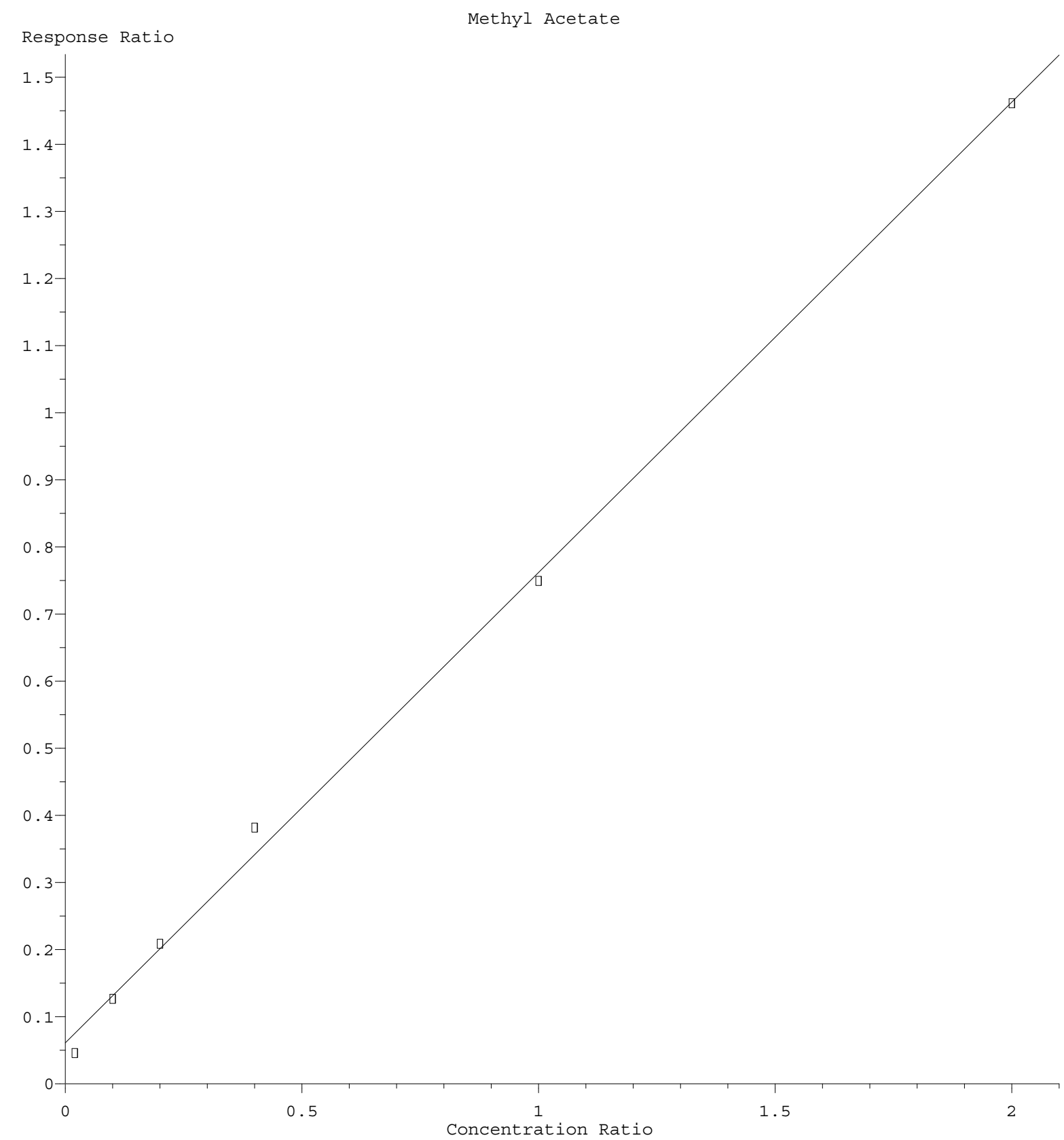
(#) = Out of Range



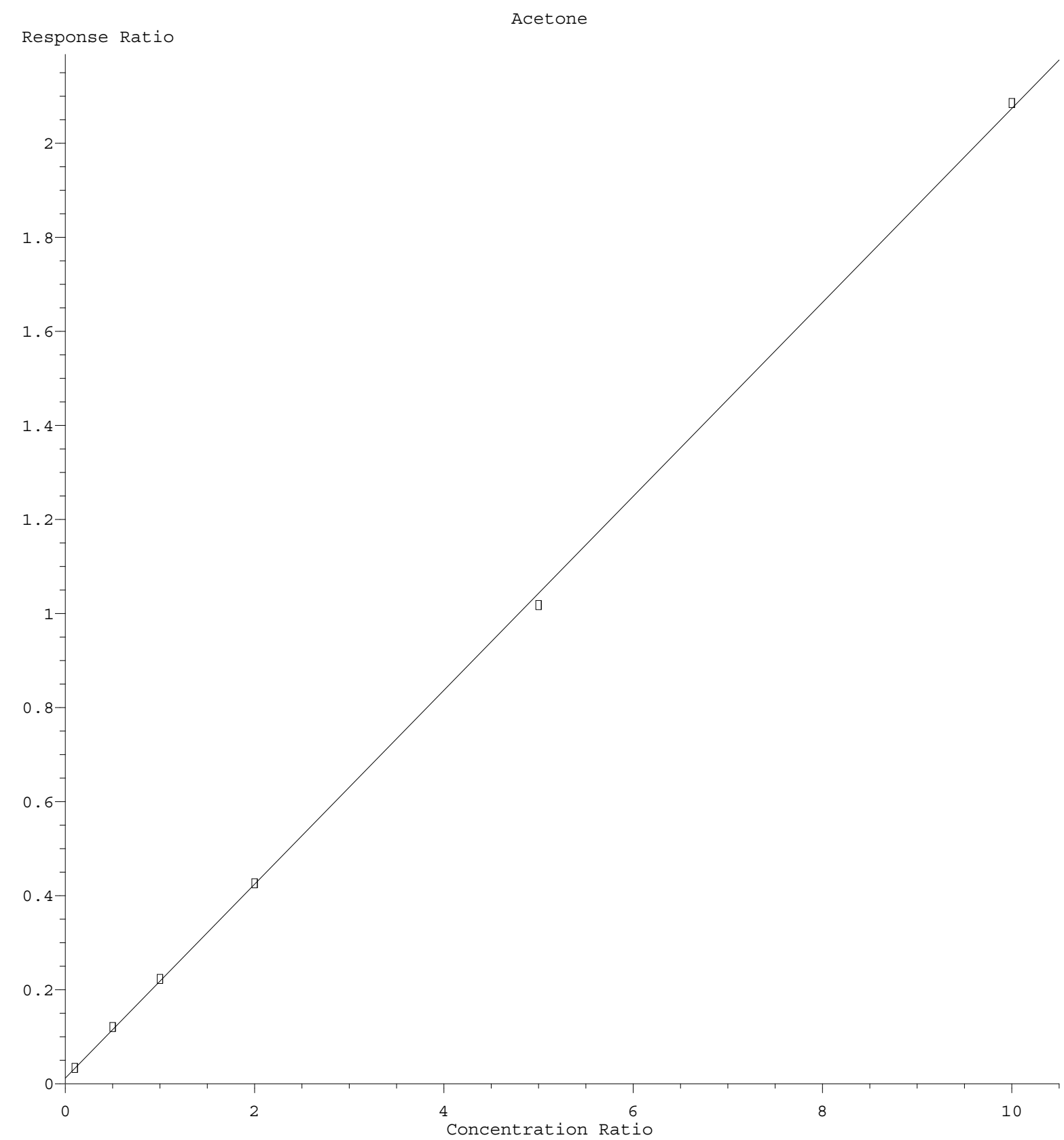
R = -2.647e-002 A*A + 1.683e+000 A + 2.851e-002
Coef of Det (r^2) = 0.999927 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



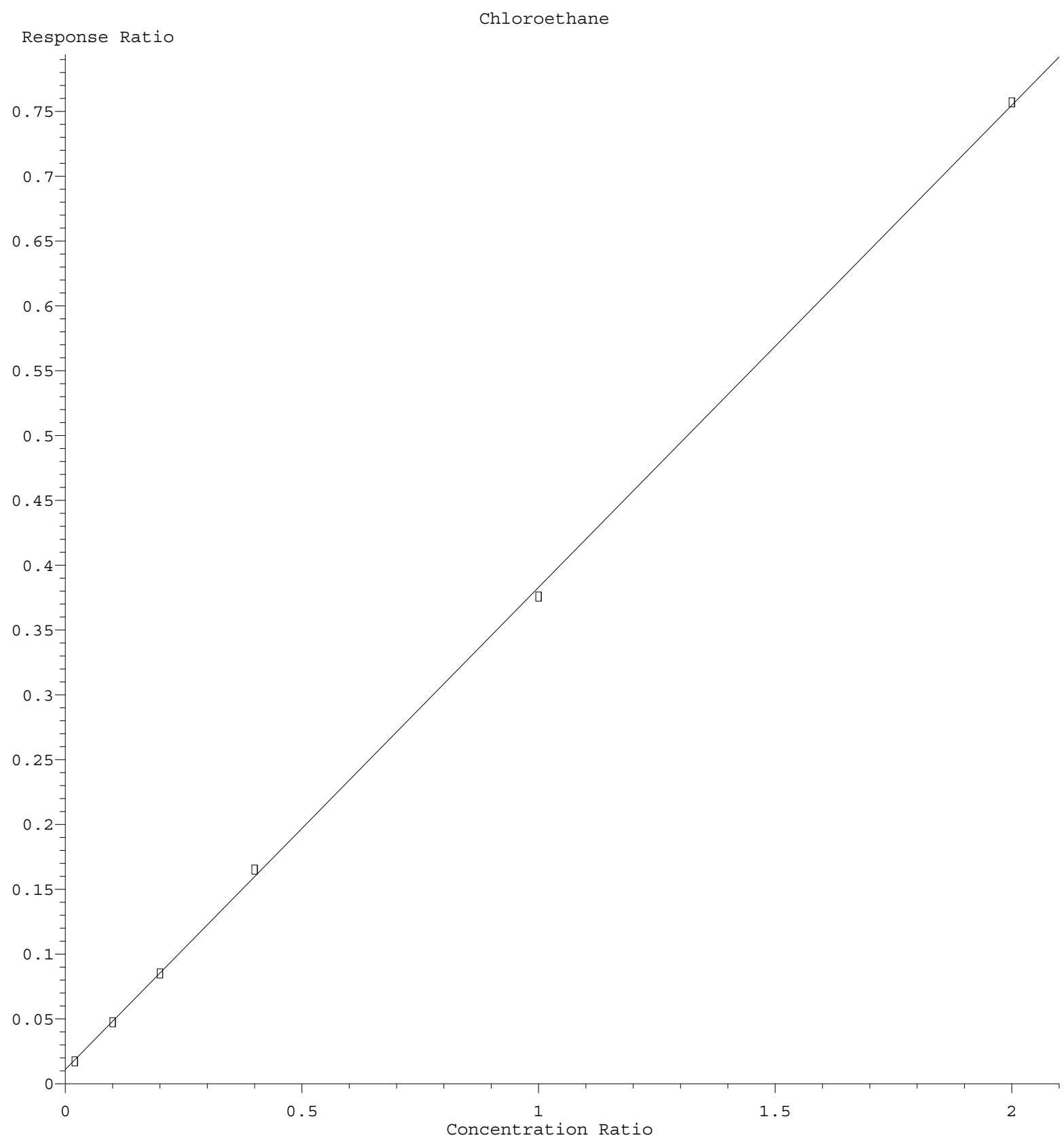
Response = 7.716e-001 * Amt + 1.519e-002
Coef of Det (r^2) = 0.999234 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



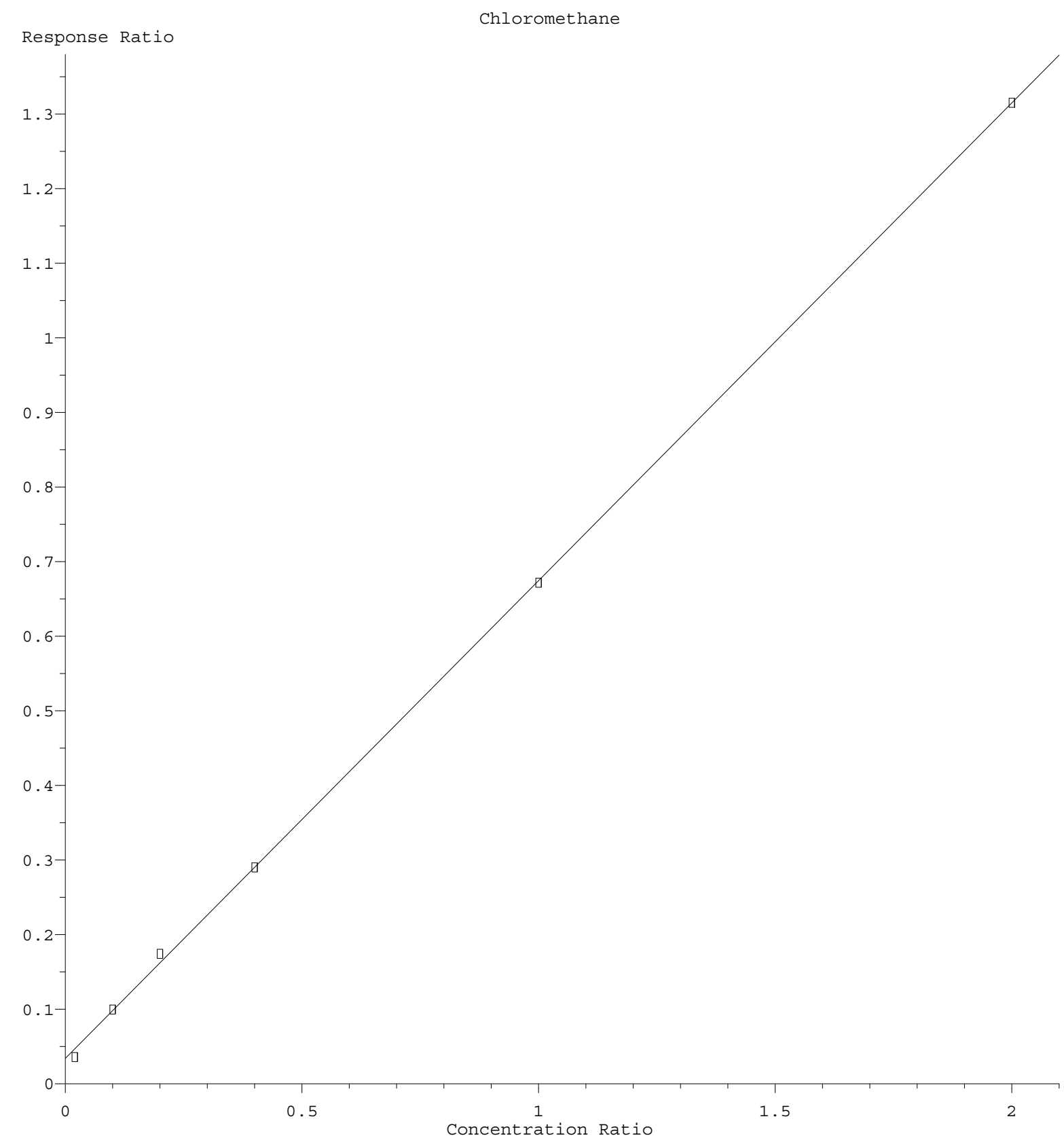
Response = 7.012e-001 * Amt + 6.084e-002
Coef of Det (r^2) = 0.998099 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 2.062e-001 * Amt + 1.190e-002
Coef of Det (r^2) = 0.999735 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 3.720e-001 * Amt + 1.067e-002
Coef of Det (r^2) = 0.999785 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 6.405e-001 * Amt + 3.399e-002
Coef of Det (r^2) = 0.999766 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	187429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	258269	95.404	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 190.800%#			
35) Dibromofluoromethane	8.165	113	206417	98.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.240%#			
50) Toluene-d8	10.565	98	783727	101.646	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 203.300%#			
62) 4-Bromofluorobenzene	12.847	95	297647	103.292	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 206.580%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	214094	99.364	ug/l	93
3) Chloromethane	2.359	50	246492	100.015	ug/l	97
4) Vinyl Chloride	2.512	62	229760	99.144	ug/l	99
5) Bromomethane	2.901	94	109436	89.128	ug/l	97
6) Chloroethane	3.071	64	141883	100.310	ug/l	98
7) Trichlorofluoromethane	3.465	101	363937	95.335	ug/l	100
8) Diethyl Ether	3.953	74	131399	97.575	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.347	101	212244	98.394	ug/l	99
10) Methyl Iodide	4.577	142	272990	94.692	ug/l	96
11) Tert butyl alcohol	5.547	59	153595	429.840	ug/l	100
12) 1,1-Dichloroethene	4.324	96	205332	96.200	ug/l	98
13) Acrolein	4.171	56	161607	453.545	ug/l	100
14) Allyl chloride	5.012	41	350014	101.116	ug/l	92
15) Acrylonitrile	5.712	53	494070	477.613	ug/l	100
16) Acetone	4.424	43	390888	502.753	ug/l	98
17) Carbon Disulfide	4.700	76	601202	91.464	ug/l	99
18) Methyl Acetate	5.018	43	273870	99.857	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	664800	101.618	ug/l	99
20) Methylene Chloride	5.271	84	226231	95.017	ug/l	90
21) trans-1,2-Dichloroethene	5.777	96	211649	96.569	ug/l	93
22) Diisopropyl ether	6.665	45	696527	101.268	ug/l	99
23) Vinyl Acetate	6.600	43	2441301	514.697	ug/l	99
24) 1,1-Dichloroethane	6.559	63	399999	96.866	ug/l	98
25) 2-Butanone	7.483	43	591863	468.634	ug/l	98
26) 2,2-Dichloropropane	7.483	77	362927	100.979	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	252932	98.835	ug/l	96
28) Bromochloromethane	7.812	49	180881	109.944	ug/l	96
29) Tetrahydrofuran	7.835	42	415033	495.347	ug/l	97
30) Chloroform	7.959	83	412084	98.045	ug/l	100
31) Cyclohexane	8.253	56	358350	95.881	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	374940	98.012	ug/l	98
36) 1,1-Dichloropropene	8.365	75	294131	101.323	ug/l	99
37) Ethyl Acetate	7.559	43	262200	99.553	ug/l	98
38) Carbon Tetrachloride	8.359	117	327651	100.981	ug/l	98
39) Methylcyclohexane	9.600	83	337677	114.344	ug/l	97
40) Benzene	8.600	78	924038	99.119	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	145041	102.406 ug/l	95
42) 1,2-Dichloroethane	8.665	62	301932	100.005 ug/l	100
43) Isopropyl Acetate	8.688	43	485962	100.857 ug/l	99
44) Trichloroethene	9.347	130	209438	97.413 ug/l	98
45) 1,2-Dichloropropane	9.618	63	220258	100.718 ug/l	95
46) Dibromomethane	9.706	93	151661	98.281 ug/l	98
47) Bromodichloromethane	9.888	83	326466	100.364 ug/l #	96
48) Methyl methacrylate	9.677	41	219838	107.249 ug/l	98
49) 1,4-Dioxane	9.694	88	76189	2097.505 ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1312148	522.607 ug/l	99
52) Toluene	10.629	92	570832	104.696 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	341196	101.334 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	366358	102.804 ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	207689	101.124 ug/l	97
56) Ethyl methacrylate	10.871	69	340367	114.573 ug/l	97
57) 1,3-Dichloropropane	11.165	76	357131	101.320 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	849817	611.330 ug/l	98
59) 2-Hexanone	11.194	43	971064	531.346 ug/l	97
60) Dibromochloromethane	11.359	129	249733	106.691 ug/l	99
61) 1,2-Dibromoethane	11.471	107	210043	99.870 ug/l	100
64) Tetrachloroethene	11.100	164	184478	98.169 ug/l	96
65) Chlorobenzene	11.888	112	603595	95.500 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	212055	96.458 ug/l	99
67) Ethyl Benzene	11.965	91	1106035	104.837 ug/l	99
68) m/p-Xylenes	12.070	106	832448	208.419 ug/l	99
69) o-Xylene	12.400	106	397449	106.372 ug/l	100
70) Styrene	12.412	104	691175	106.042 ug/l	98
71) Bromoform	12.582	173	162189	98.044 ug/l #	97
73) Isopropylbenzene	12.694	105	1015352	101.533 ug/l	100
74) N-amyl acetate	12.494	43	441232	103.666 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	300162	89.924 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	249062m	88.446 ug/l	
77) Bromobenzene	12.982	156	245558	91.341 ug/l	94
78) n-propylbenzene	13.035	91	1208185	103.100 ug/l	98
79) 2-Chlorotoluene	13.123	91	736738	96.217 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	866736	104.573 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	115847	96.347 ug/l	98
82) 4-Chlorotoluene	13.217	91	761196	94.462 ug/l	99
83) tert-Butylbenzene	13.435	119	746926	108.888 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	899374	105.136 ug/l	99
85) sec-Butylbenzene	13.617	105	1027413	106.032 ug/l	99
86) p-Isopropyltoluene	13.729	119	877717	110.451 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	468620	89.320 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	469714	100.067 ug/l	98
89) n-Butylbenzene	14.053	91	778487	104.727 ug/l	100
90) Hexachloroethane	14.335	117	165030	93.123 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	456925	90.631 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	58247	86.136 ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	243087	88.091 ug/l	99
94) Hexachlorobutadiene	15.500	225	102558	84.631 ug/l	99
95) Naphthalene	15.641	128	792903	95.997 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	237515	88.667 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

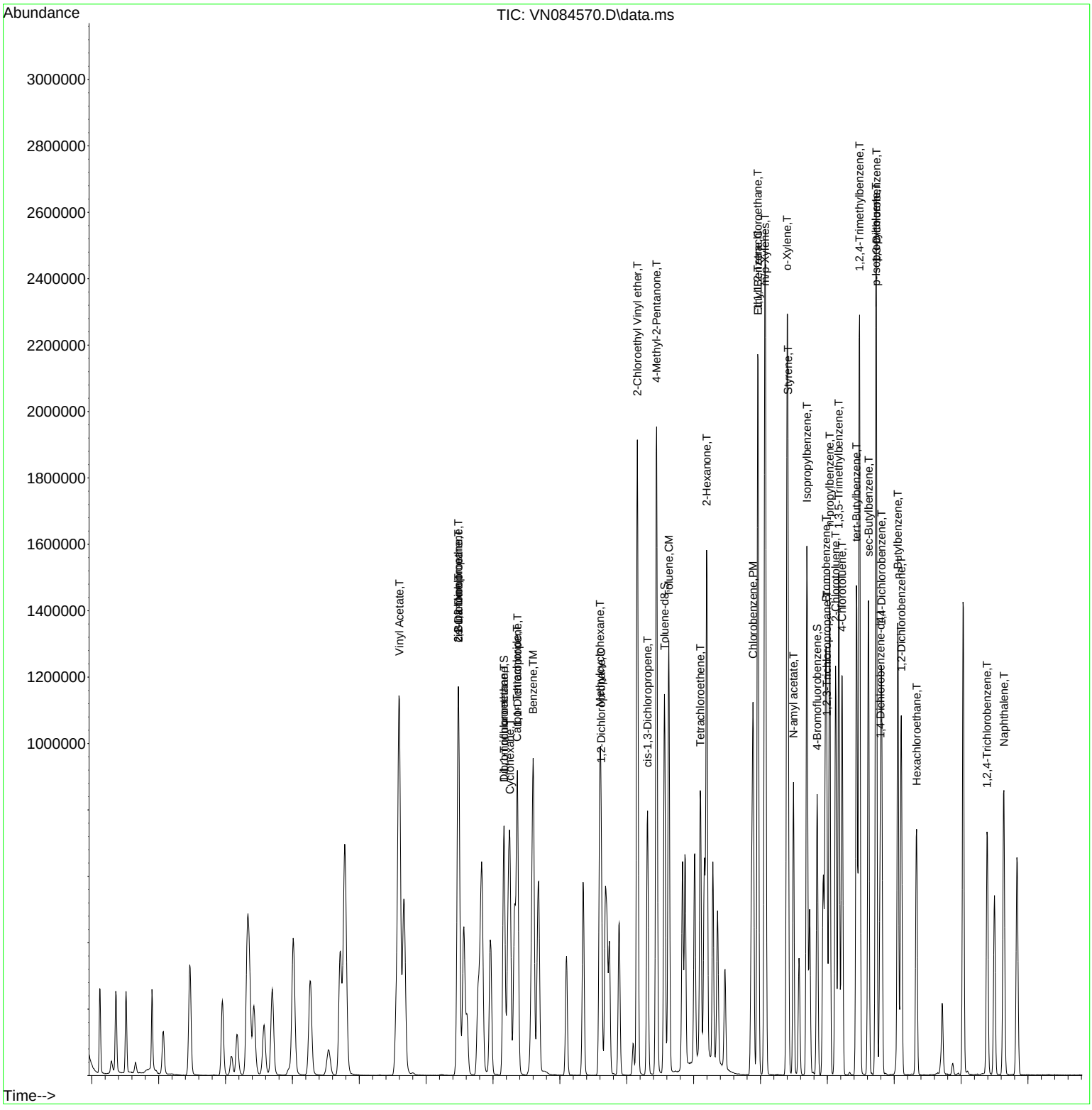
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	186594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134521	49.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.820%			
35) Dibromofluoromethane	8.165	113	107131	50.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	10.565	98	405874	52.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.847	95	153622	52.913	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	103092	48.061	ug/l	97
3) Chloromethane	2.365	50	125344	49.788	ug/l	95
4) Vinyl Chloride	2.512	62	112961	48.962	ug/l	95
5) Bromomethane	2.901	94	55194	45.153	ug/l	100
6) Chloroethane	3.071	64	70126	49.078	ug/l	96
7) Trichlorofluoromethane	3.471	101	178947	47.086	ug/l	97
8) Diethyl Ether	3.953	74	65946	49.190	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	103864	48.366	ug/l	98
10) Methyl Iodide	4.583	142	137274	47.829	ug/l	97
11) Tert butyl alcohol	5.536	59	80598	226.565	ug/l	100
12) 1,1-Dichloroethene	4.324	96	100445	47.270	ug/l	96
13) Acrolein	4.171	56	82129	231.524	ug/l	99
14) Allyl chloride	5.012	41	171045	49.635	ug/l	92
15) Acrylonitrile	5.718	53	252853	245.525	ug/l	98
16) Acetone	4.424	43	189949	243.925	ug/l	99
17) Carbon Disulfide	4.700	76	299041	45.698	ug/l	99
18) Methyl Acetate	5.024	43	139826	49.097	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	328099	50.376	ug/l	97
20) Methylene Chloride	5.271	84	112282	47.370	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	105050	48.146	ug/l	96
22) Diisopropyl ether	6.671	45	346126	50.549	ug/l	98
23) Vinyl Acetate	6.600	43	1212022	256.673	ug/l	99
24) 1,1-Dichloroethane	6.559	63	198817	48.362	ug/l	100
25) 2-Butanone	7.483	43	294207	233.994	ug/l	98
26) 2,2-Dichloropropane	7.483	77	175511	49.052	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	123436	48.450	ug/l	97
28) Bromochloromethane	7.812	49	95269	58.166	ug/l	95
29) Tetrahydrofuran	7.835	42	206980	248.139	ug/l	97
30) Chloroform	7.965	83	202589	48.417	ug/l	98
31) Cyclohexane	8.253	56	175038	47.043	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	184986	48.573	ug/l	98
36) 1,1-Dichloropropene	8.365	75	140593	48.071	ug/l	99
37) Ethyl Acetate	7.553	43	131332	49.493	ug/l	99
38) Carbon Tetrachloride	8.359	117	160134	48.985	ug/l	97
39) Methylcyclohexane	9.600	83	158489	53.267	ug/l	99
40) Benzene	8.600	78	451074	48.024	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	76791	53.814 ug/l	97
42) 1,2-Dichloroethane	8.665	62	153960	50.614 ug/l	100
43) Isopropyl Acetate	8.688	43	235517	48.004 ug/l	99
44) Trichloroethene	9.353	130	104498	48.241 ug/l	98
45) 1,2-Dichloropropane	9.618	63	108302	49.154 ug/l	95
46) Dibromomethane	9.706	93	76019	48.895 ug/l	97
47) Bromodichloromethane	9.888	83	162307	49.525 ug/l	97
48) Methyl methacrylate	9.677	41	107828	52.212 ug/l	98
49) 1,4-Dioxane	9.694	88	37719	1030.669 ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	658351	260.254 ug/l	98
52) Toluene	10.629	92	280034	50.978 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	169085	49.843 ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	180909	50.386 ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	102401	49.487 ug/l	98
56) Ethyl methacrylate	10.871	69	168060	56.150 ug/l	96
57) 1,3-Dichloropropane	11.159	76	175929	49.539 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	407857	291.210 ug/l	97
59) 2-Hexanone	11.194	43	485391	263.615 ug/l	98
60) Dibromochloromethane	11.359	129	122816	52.078 ug/l	98
61) 1,2-Dibromoethane	11.465	107	103901	49.034 ug/l	98
64) Tetrachloroethene	11.100	164	87457	47.088 ug/l	96
65) Chlorobenzene	11.888	112	296199	47.416 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	104844	48.252 ug/l	99
67) Ethyl Benzene	11.965	91	528107	50.646 ug/l	100
68) m/p-Xylenes	12.070	106	406816	103.053 ug/l	98
69) o-Xylene	12.394	106	192710	52.183 ug/l	99
70) Styrene	12.412	104	336570	52.245 ug/l	99
71) Bromoform	12.576	173	82245	50.303 ug/l #	99
73) Isopropylbenzene	12.694	105	493742	50.942 ug/l	99
74) N-amyl acetate	12.494	43	211326	51.228 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	148441	45.884 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	122649m	44.939 ug/l	
77) Bromobenzene	12.982	156	122062	46.847 ug/l	95
78) n-propylbenzene	13.035	91	585903	51.587 ug/l	100
79) 2-Chlorotoluene	13.123	91	362526	48.850 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	424332	52.823 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	55485	47.612 ug/l	92
82) 4-Chlorotoluene	13.217	91	375636	48.097 ug/l	99
83) tert-Butylbenzene	13.435	119	350031	52.649 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	435421	52.518 ug/l	99
85) sec-Butylbenzene	13.612	105	489305	52.102 ug/l	100
86) p-Isopropyltoluene	13.729	119	421834	54.770 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	230686	45.366 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	231568	49.658 ug/l	98
89) n-Butylbenzene	14.053	91	362215	50.276 ug/l	99
90) Hexachloroethane	14.335	117	81515	47.459 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	223772	45.796 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	29987	45.754 ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	119579	44.711 ug/l	99
94) Hexachlorobutadiene	15.500	225	51033	43.451 ug/l	98
95) Naphthalene	15.635	128	384553	48.037 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	116341	44.812 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

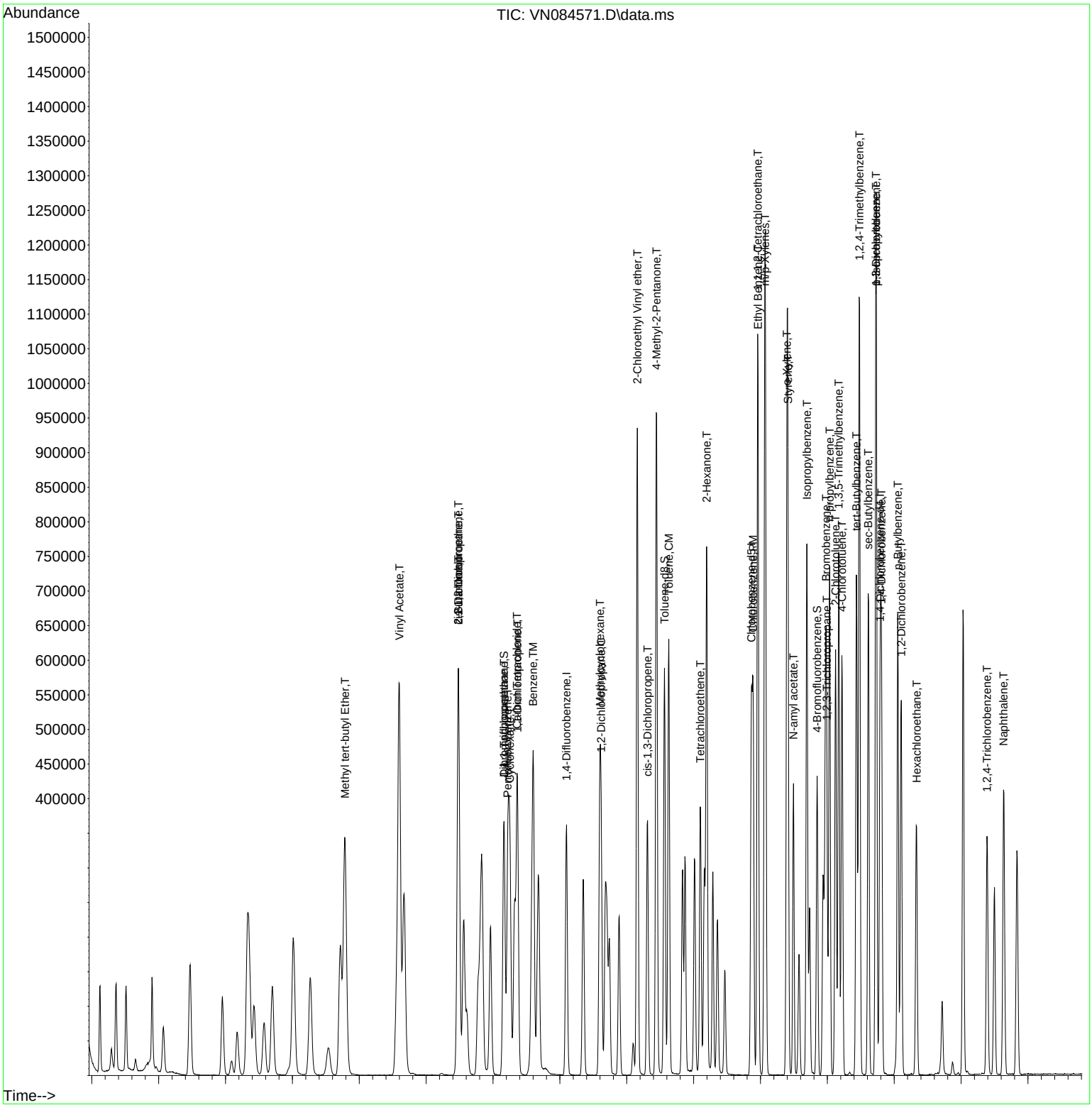
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	187576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	53102	19.600	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.200%#		
35) Dibromofluoromethane	8.165	113	41686	19.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.500%#		
50) Toluene-d8	10.565	98	155563	19.504	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.000%#		
62) 4-Bromofluorobenzene	12.847	95	57622	19.330	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.660%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41443	19.219	ug/l	99
3) Chloromethane	2.359	50	54414	19.993	ug/l	97
4) Vinyl Chloride	2.512	62	46710	20.140	ug/l	93
5) Bromomethane	2.901	94	23244	18.916	ug/l	100
6) Chloroethane	3.042	64	30992	20.772	ug/l	94
7) Trichlorofluoromethane	3.442	101	76339	19.982	ug/l	96
8) Diethyl Ether	3.948	74	26904	19.963	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.342	101	42830	19.840	ug/l	99
10) Methyl Iodide	4.565	142	57315	19.865	ug/l	96
11) Tert butyl alcohol	5.559	59	33927	94.871	ug/l	99
12) 1,1-Dichloroethene	4.318	96	41980	19.653	ug/l	89
13) Acrolein	4.171	56	38007	106.582	ug/l	96
14) Allyl chloride	5.006	41	70420	20.328	ug/l	92
15) Acrylonitrile	5.718	53	105912	102.304	ug/l	97
16) Acetone	4.430	43	79971	100.481	ug/l	99
17) Carbon Disulfide	4.689	76	127521	19.385	ug/l	98
18) Methyl Acetate	5.024	43	71604	22.882	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	135170	20.645	ug/l	100
20) Methylene Chloride	5.271	84	47467	19.921	ug/l	88
21) trans-1,2-Dichloroethene	5.771	96	44697	20.378	ug/l	93
22) Diisopropyl ether	6.671	45	144115	20.937	ug/l	97
23) Vinyl Acetate	6.594	43	490034	103.232	ug/l	100
24) 1,1-Dichloroethane	6.559	63	83555	20.218	ug/l	97
25) 2-Butanone	7.483	43	130541	103.281	ug/l	99
26) 2,2-Dichloropropane	7.483	77	73066	20.313	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	52279	20.412	ug/l	97
28) Bromochloromethane	7.806	49	29146	17.702	ug/l	91
29) Tetrahydrofuran	7.836	42	86837	103.560	ug/l	97
30) Chloroform	7.959	83	85675	20.368	ug/l	100
31) Cyclohexane	8.247	56	71698	19.169	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	78458	20.493	ug/l	97
36) 1,1-Dichloropropene	8.371	75	60208	20.050	ug/l	99
37) Ethyl Acetate	7.559	43	54942	20.165	ug/l	97
38) Carbon Tetrachloride	8.359	117	68076	20.282	ug/l	98
39) Methylcyclohexane	9.600	83	63305	20.722	ug/l	93
40) Benzene	8.600	78	193129	20.026	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	30596	20.882 ug/l		97
42) 1,2-Dichloroethane	8.665	62	63026	20.180 ug/l		99
43) Isopropyl Acetate	8.688	43	104951	20.277 ug/l		98
44) Trichloroethene	9.347	130	44176	19.862 ug/l		99
45) 1,2-Dichloropropane	9.618	63	45764	20.229 ug/l		93
46) Dibromomethane	9.706	93	32857	20.583 ug/l		99
47) Bromodichloromethane	9.888	83	67288	19.997 ug/l	#	98
48) Methyl methacrylate	9.682	41	43398	20.466 ug/l		97
49) 1,4-Dioxane	9.700	88	15417	410.291 ug/l	#	79
51) 4-Methyl-2-Pentanone	10.447	43	266010	102.417 ug/l		100
52) Toluene	10.629	92	117530	20.838 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	68847	19.766 ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	74498	20.208 ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	42791	20.141 ug/l		95
56) Ethyl methacrylate	10.871	69	63347	20.613 ug/l		96
57) 1,3-Dichloropropane	11.159	76	74082	20.317 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	146372	101.786 ug/l		98
59) 2-Hexanone	11.194	43	192335	101.735 ug/l		99
60) Dibromochloromethane	11.359	129	50039	20.665 ug/l		99
61) 1,2-Dibromoethane	11.465	107	43666	20.070 ug/l		100
64) Tetrachloroethene	11.106	164	36798	20.054 ug/l		92
65) Chlorobenzene	11.888	112	126753	20.539 ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	43201	20.125 ug/l		99
67) Ethyl Benzene	11.965	91	212737	20.651 ug/l		99
68) m/p-Xylenes	12.071	106	162754	41.732 ug/l		99
69) o-Xylene	12.400	106	77396	21.214 ug/l		99
70) Styrene	12.412	104	133059	20.907 ug/l		96
71) Bromoform	12.576	173	32901	20.369 ug/l	#	99
73) Isopropylbenzene	12.694	105	193023	21.127 ug/l		100
74) N-amyl acetate	12.494	43	80939	20.815 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	60645	19.886 ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	49947m	19.414 ug/l		
77) Bromobenzene	12.976	156	48017	19.550 ug/l		97
78) n-propylbenzene	13.035	91	225085	21.024 ug/l		99
79) 2-Chlorotoluene	13.123	91	148533	21.233 ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	161619	21.343 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	22047	20.070 ug/l	#	85
82) 4-Chlorotoluene	13.218	91	147989	20.102 ug/l		100
83) tert-Butylbenzene	13.435	119	138079	22.033 ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	170246	21.783 ug/l		99
85) sec-Butylbenzene	13.618	105	188158	21.255 ug/l		100
86) p-Isopropyltoluene	13.729	119	156598	21.569 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	92310	19.258 ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	92940	20.458 ug/l		99
89) n-Butylbenzene	14.053	91	136771	20.139 ug/l		99
90) Hexachloroethane	14.329	117	32199	19.887 ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	91138	19.787 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11962	19.362 ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	46698	18.523 ug/l		96
94) Hexachlorobutadiene	15.500	225	22216	20.066 ug/l		96
95) Naphthalene	15.635	128	153972	20.404 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	49699	20.308 ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

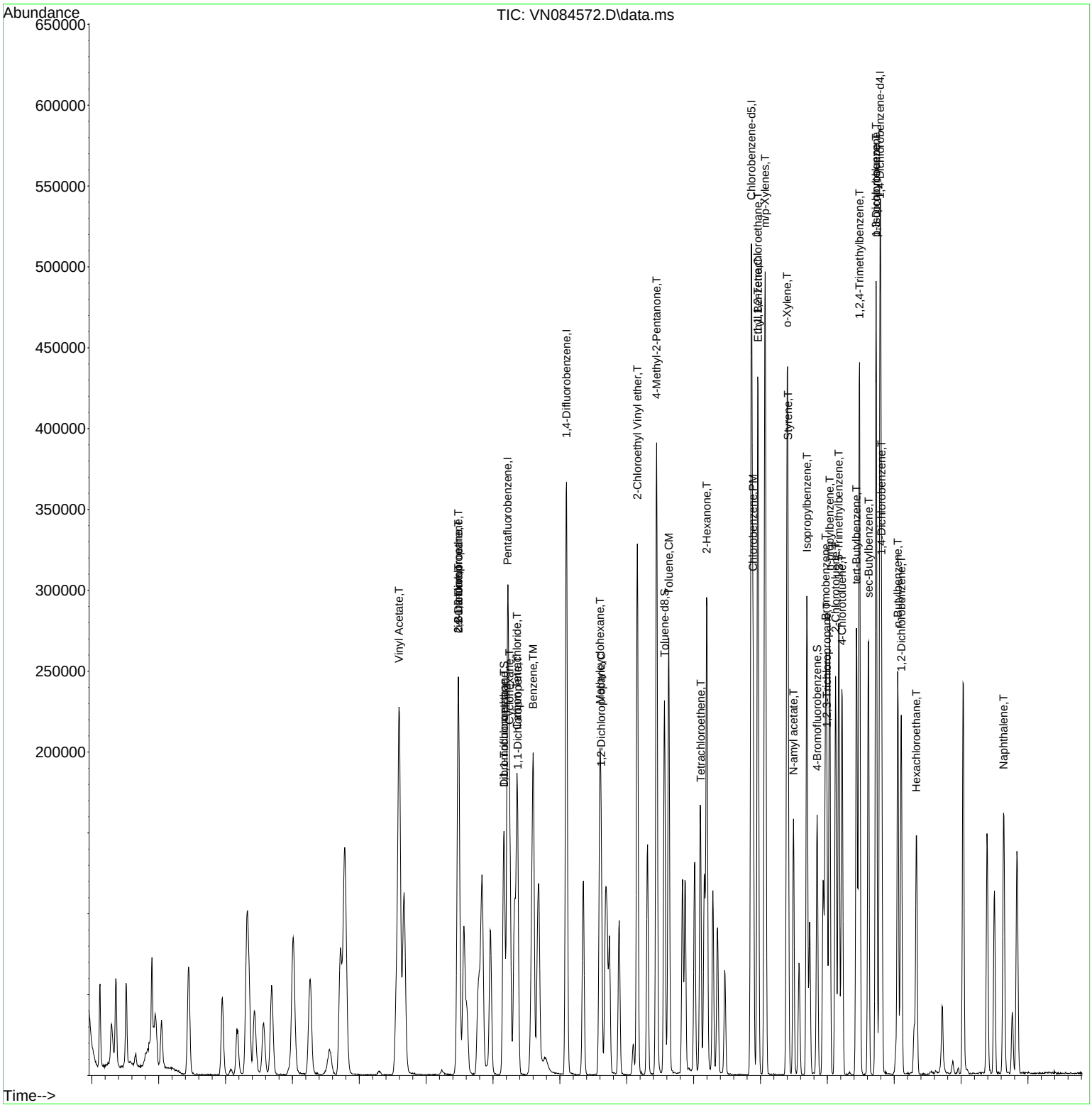
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	179863	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	312244	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	270408	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127178	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.583	65	25986	10.003	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 20.000%#				
35) Dibromofluoromethane	8.159	113	20969	9.921	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.840%#				
50) Toluene-d8	10.565	98	76892	9.876	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 19.760%#				
62) 4-Bromofluorobenzene	12.847	95	28191	9.689	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 19.380%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	21501	10.399	ug/l		96
3) Chloromethane	2.359	50	31342	10.950	ug/l		98
4) Vinyl Chloride	2.512	62	22896	10.295	ug/l		93
5) Bromomethane	2.901	94	12071	10.245	ug/l		95
6) Chloroethane	3.059	64	15315	10.010	ug/l	#	83
7) Trichlorofluoromethane	3.459	101	36747	10.031	ug/l		99
8) Diethyl Ether	3.953	74	13090	10.129	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.353	101	21028	10.158	ug/l		98
10) Methyl Iodide	4.577	142	28795	10.408	ug/l		97
11) Tert butyl alcohol	5.542	59	17899	52.198	ug/l	#	85
12) 1,1-Dichloroethene	4.324	96	20669	10.091	ug/l		87
13) Acrolein	4.177	56	17284	50.547	ug/l		99
14) Allyl chloride	5.012	41	33287	10.021	ug/l		93
15) Acrylonitrile	5.718	53	50731	51.104	ug/l		98
16) Acetone	4.430	43	40100	51.168	ug/l		93
17) Carbon Disulfide	4.695	76	61652	9.774	ug/l		97
18) Methyl Acetate	5.030	43	37538	10.544	ug/l		100
19) Methyl tert-butyl Ether	5.789	73	64007	10.195	ug/l		97
20) Methylene Chloride	5.265	84	23684	10.366	ug/l		94
21) trans-1,2-Dichloroethene	5.771	96	21581	10.261	ug/l		84
22) Diisopropyl ether	6.671	45	68672	10.404	ug/l	#	97
23) Vinyl Acetate	6.600	43	233407	51.279	ug/l		99
24) 1,1-Dichloroethane	6.565	63	40556	10.234	ug/l	#	95
25) 2-Butanone	7.483	43	60876	50.229	ug/l		96
26) 2,2-Dichloropropane	7.483	77	35189	10.203	ug/l		100
27) cis-1,2-Dichloroethene	7.483	96	24626	10.028	ug/l		99
28) Bromochloromethane	7.806	49	14918	9.449	ug/l	#	15
29) Tetrahydrofuran	7.841	42	42072	52.326	ug/l		99
30) Chloroform	7.965	83	41496	10.288	ug/l		97
31) Cyclohexane	8.247	56	37514	10.460	ug/l		96
32) 1,1,1-Trichloroethane	8.165	97	38612	10.518	ug/l		94
36) 1,1-Dichloropropene	8.371	75	29218	9.968	ug/l		99
37) Ethyl Acetate	7.559	43	25249	9.494	ug/l		96
38) Carbon Tetrachloride	8.359	117	34214	10.443	ug/l		95
39) Methylcyclohexane	9.600	83	30390	10.191	ug/l		96
40) Benzene	8.606	78	94121	9.999	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	14485	10.128 ug/l		96
42) 1,2-Dichloroethane	8.671	62	30752	10.087 ug/l		99
43) Isopropyl Acetate	8.688	43	55871	10.611 ug/l		94
44) Trichloroethene	9.353	130	21099	9.719 ug/l		98
45) 1,2-Dichloropropane	9.618	63	22314	10.105 ug/l		96
46) Dibromomethane	9.706	93	15211	9.762 ug/l		99
47) Bromodichloromethane	9.883	83	32612	9.929 ug/l	#	93
48) Methyl methacrylate	9.683	41	20961	10.127 ug/l		98
49) 1,4-Dioxane	9.700	88	7375	201.076 ug/l	#	76
51) 4-Methyl-2-Pentanone	10.447	43	130324	51.405 ug/l		99
52) Toluene	10.630	92	56321	10.230 ug/l		100
53) t-1,3-Dichloropropene	10.835	75	33220	9.771 ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	35562	9.883 ug/l		92
55) 1,1,2-Trichloroethane	11.018	97	21367	10.303 ug/l		94
56) Ethyl methacrylate	10.871	69	29804	9.936 ug/l		98
57) 1,3-Dichloropropane	11.165	76	35790	10.056 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	66790	47.583 ug/l		97
59) 2-Hexanone	11.200	43	92772	50.273 ug/l		100
60) Dibromochloromethane	11.359	129	24541	10.383 ug/l		97
61) 1,2-Dibromoethane	11.471	107	20895	9.839 ug/l		97
64) Tetrachloroethene	11.100	164	18777	10.439 ug/l		94
65) Chlorobenzene	11.888	112	60746	10.041 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	21080	10.018 ug/l		98
67) Ethyl Benzene	11.965	91	101653	10.067 ug/l		99
68) m/p-Xylenes	12.071	106	75857	19.842 ug/l		100
69) o-Xylene	12.394	106	36696	10.261 ug/l		100
70) Styrene	12.412	104	61865	9.916 ug/l		98
71) Bromoform	12.576	173	15630	9.871 ug/l	#	95
73) Isopropylbenzene	12.694	105	91683	10.287 ug/l		98
74) N-amyl acetate	12.494	43	38841	10.240 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	30270	10.175 ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	25940m	10.336 ug/l		
77) Bromobenzene	12.982	156	23987	10.012 ug/l		94
78) n-propylbenzene	13.035	91	106518	10.199 ug/l		99
79) 2-Chlorotoluene	13.123	91	68678	10.064 ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	77273	10.461 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	11334	10.577 ug/l		96
82) 4-Chlorotoluene	13.218	91	71787	9.996 ug/l		99
83) tert-Butylbenzene	13.435	119	62600	10.240 ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	78207	10.258 ug/l		98
85) sec-Butylbenzene	13.612	105	89469	10.361 ug/l		99
86) p-Isopropyltoluene	13.729	119	72307	10.210 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	45832	9.802 ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	47483	10.276 ug/l		97
89) n-Butylbenzene	14.053	91	62495	9.433 ug/l		100
90) Hexachloroethane	14.335	117	16100	10.194 ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	44055	9.805 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5744	9.531 ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	22413	9.114 ug/l		97
94) Hexachlorobutadiene	15.494	225	10263	9.503 ug/l		97
95) Naphthalene	15.641	128	68919	9.363 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	22303	9.342 ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

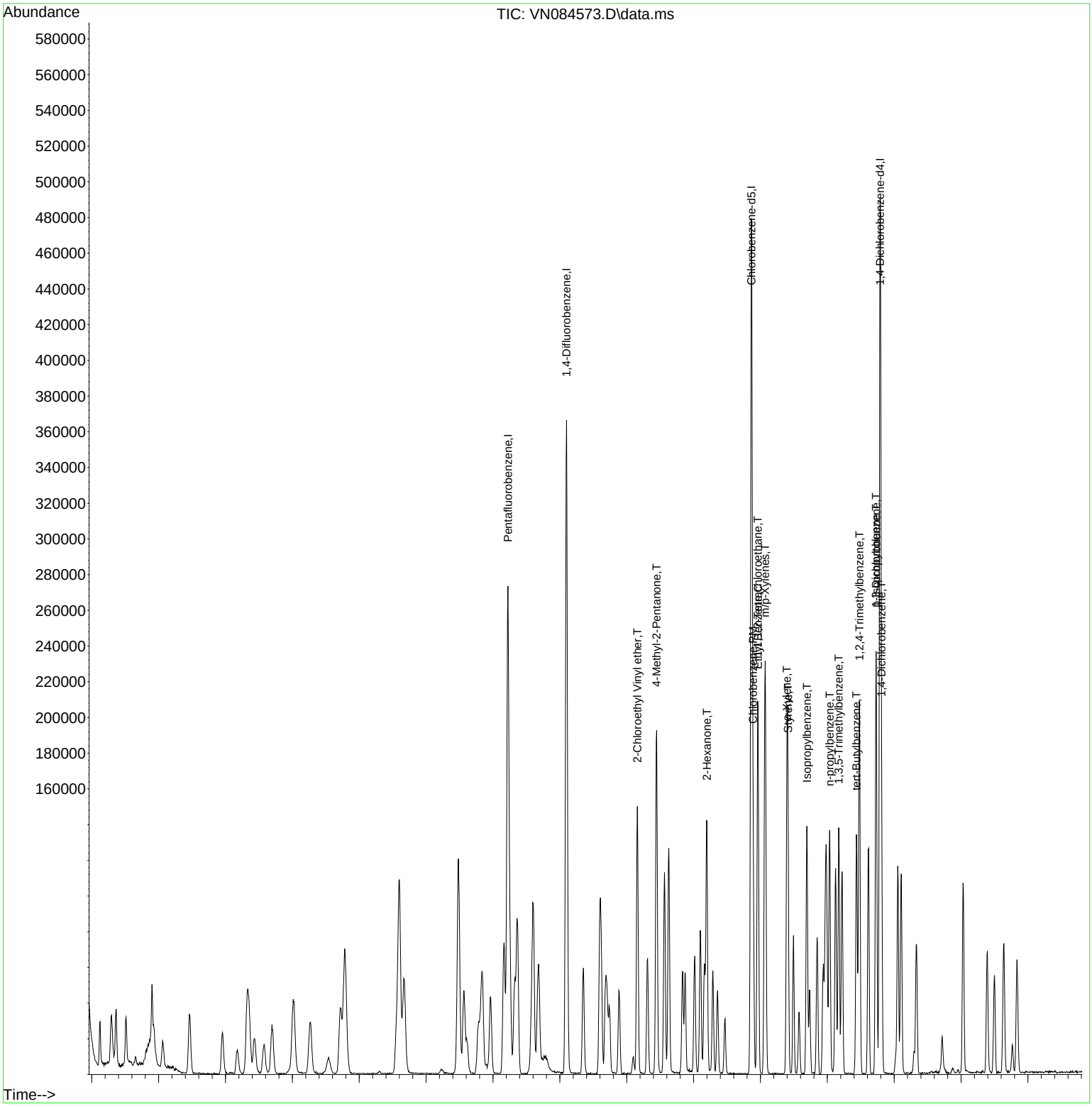
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	171598	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	297777	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	254342	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118229	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	13227	5.337	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.680%#			
35) Dibromofluoromethane	8.165	113	10512	5.215	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.440%#			
50) Toluene-d8	10.565	98	36225	4.879	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.760%#			
62) 4-Bromofluorobenzene	12.847	95	13506	4.867	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.740%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	10192	5.167	ug/l		93
3) Chloromethane	2.360	50	17076	5.115	ug/l		97
4) Vinyl Chloride	2.513	62	11174	5.267	ug/l		96
5) Bromomethane	2.901	94	6944	6.177	ug/l		98
6) Chloroethane	3.060	64	8146	4.946	ug/l		98
7) Trichlorofluoromethane	3.460	101	18362	5.254	ug/l		98
8) Diethyl Ether	3.954	74	6372	5.168	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.348	101	10090	5.109	ug/l		99
10) Methyl Iodide	4.571	142	14021	5.312	ug/l	#	96
11) Tert butyl alcohol	5.536	59	10153	31.035	ug/l	#	87
12) 1,1-Dichloroethene	4.324	96	9474	4.848	ug/l		91
13) Acrolein	4.183	56	8890	27.251	ug/l		97
14) Allyl chloride	5.012	41	16771	5.292	ug/l		94
15) Acrylonitrile	5.724	53	25212	26.621	ug/l		99
16) Acetone	4.430	43	20706	26.370	ug/l		91
17) Carbon Disulfide	4.689	76	30614	5.087	ug/l	#	86
18) Methyl Acetate	5.030	43	21727	4.691	ug/l		99
19) Methyl tert-butyl Ether	5.795	73	30655	5.118	ug/l	#	89
20) Methylene Chloride	5.265	84	12258	5.623	ug/l		91
21) trans-1,2-Dichloroethene	5.771	96	10024	4.996	ug/l		94
22) Diisopropyl ether	6.671	45	31631	5.023	ug/l		93
23) Vinyl Acetate	6.601	43	111267	25.622	ug/l		98
24) 1,1-Dichloroethane	6.559	63	20644	5.460	ug/l		96
25) 2-Butanone	7.489	43	31742	27.452	ug/l		97
26) 2,2-Dichloropropane	7.483	77	16462	5.003	ug/l		94
27) cis-1,2-Dichloroethene	7.483	96	12105	5.167	ug/l		98
28) Bromochloromethane	7.806	49	7002	4.649	ug/l	#	91
29) Tetrahydrofuran	7.842	42	20240	26.385	ug/l		99
30) Chloroform	7.959	83	20974	5.451	ug/l		92
31) Cyclohexane	8.253	56	18750	5.480	ug/l		98
32) 1,1,1-Trichloroethane	8.165	97	17717	5.059	ug/l		97
36) 1,1-Dichloropropene	8.371	75	14193	5.077	ug/l		99
37) Ethyl Acetate	7.559	43	13884	5.474	ug/l	#	94
38) Carbon Tetrachloride	8.353	117	15977	5.113	ug/l		96
39) Methylcyclohexane	9.600	83	13624	4.791	ug/l		95
40) Benzene	8.600	78	46044	5.129	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	7091	5.199	ug/l		97
42) 1,2-Dichloroethane	8.665	62	14972	5.150	ug/l		98
43) Isopropyl Acetate	8.689	43	30044	5.554	ug/l	#	90
44) Trichloroethene	9.347	130	10168	4.911	ug/l		89
45) 1,2-Dichloropropane	9.618	63	11095	5.269	ug/l		97
46) Dibromomethane	9.706	93	7752	5.217	ug/l		97
47) Bromodichloromethane	9.889	83	15749	5.028	ug/l	#	98
48) Methyl methacrylate	9.677	41	9971	5.051	ug/l		97
49) 1,4-Dioxane	9.700	88	3729	106.609	ug/l		95
51) 4-Methyl-2-Pentanone	10.447	43	61332	25.367	ug/l		100
52) Toluene	10.630	92	26518	5.051	ug/l		99
53) t-1,3-Dichloropropene	10.836	75	16279	5.021	ug/l		93
54) cis-1,3-Dichloropropene	10.312	75	17395	5.069	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	10193	5.154	ug/l		93
56) Ethyl methacrylate	10.871	69	13362	4.671	ug/l		94
57) 1,3-Dichloropropane	11.165	76	17816	5.249	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	30088	22.477	ug/l		98
59) 2-Hexanone	11.194	43	43750	24.860	ug/l		97
60) Dibromochloromethane	11.359	129	11226	4.980	ug/l		96
61) 1,2-Dibromoethane	11.471	107	10584	5.226	ug/l		97
64) Tetrachloroethene	11.100	164	8917	5.271	ug/l	#	87
65) Chlorobenzene	11.888	112	29618	5.205	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.959	131	10265	5.186	ug/l		99
67) Ethyl Benzene	11.965	91	47037	4.952	ug/l		98
68) m/p-Xylenes	12.065	106	34753	9.665	ug/l		100
69) o-Xylene	12.394	106	16393	4.873	ug/l		99
70) Styrene	12.412	104	27807	4.739	ug/l		98
71) Bromoform	12.577	173	7686	5.161	ug/l	#	95
73) Isopropylbenzene	12.694	105	40223	4.855	ug/l		99
74) N-amyl acetate	12.494	43	18583	5.270	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	15573	5.631	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	11982m	5.136	ug/l		
77) Bromobenzene	12.983	156	11012	4.944	ug/l		98
78) n-propylbenzene	13.035	91	47776	4.921	ug/l		99
79) 2-Chlorotoluene	13.124	91	32460	5.117	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	32685	4.760	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.730	75	5096	5.116	ug/l		93
82) 4-Chlorotoluene	13.218	91	33672	5.044	ug/l		98
83) tert-Butylbenzene	13.435	119	26850	4.724	ug/l		95
84) 1,2,4-Trimethylbenzene	13.483	105	32703	4.614	ug/l		100
85) sec-Butylbenzene	13.612	105	37187	4.632	ug/l		97
86) p-Isopropyltoluene	13.730	119	29767	4.521	ug/l		97
87) 1,3-Dichlorobenzene	13.730	146	22272	5.124	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	22213	4.741	ug/l		91
89) n-Butylbenzene	14.053	91	29010	4.710	ug/l		99
90) Hexachloroethane	14.335	117	7404	5.043	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	22221	5.320	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	3239	5.781	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	11298	4.942	ug/l		99
94) Hexachlorobutadiene	15.500	225	5184	5.163	ug/l		96
95) Naphthalene	15.641	128	32966	4.817	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	11106	5.004	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

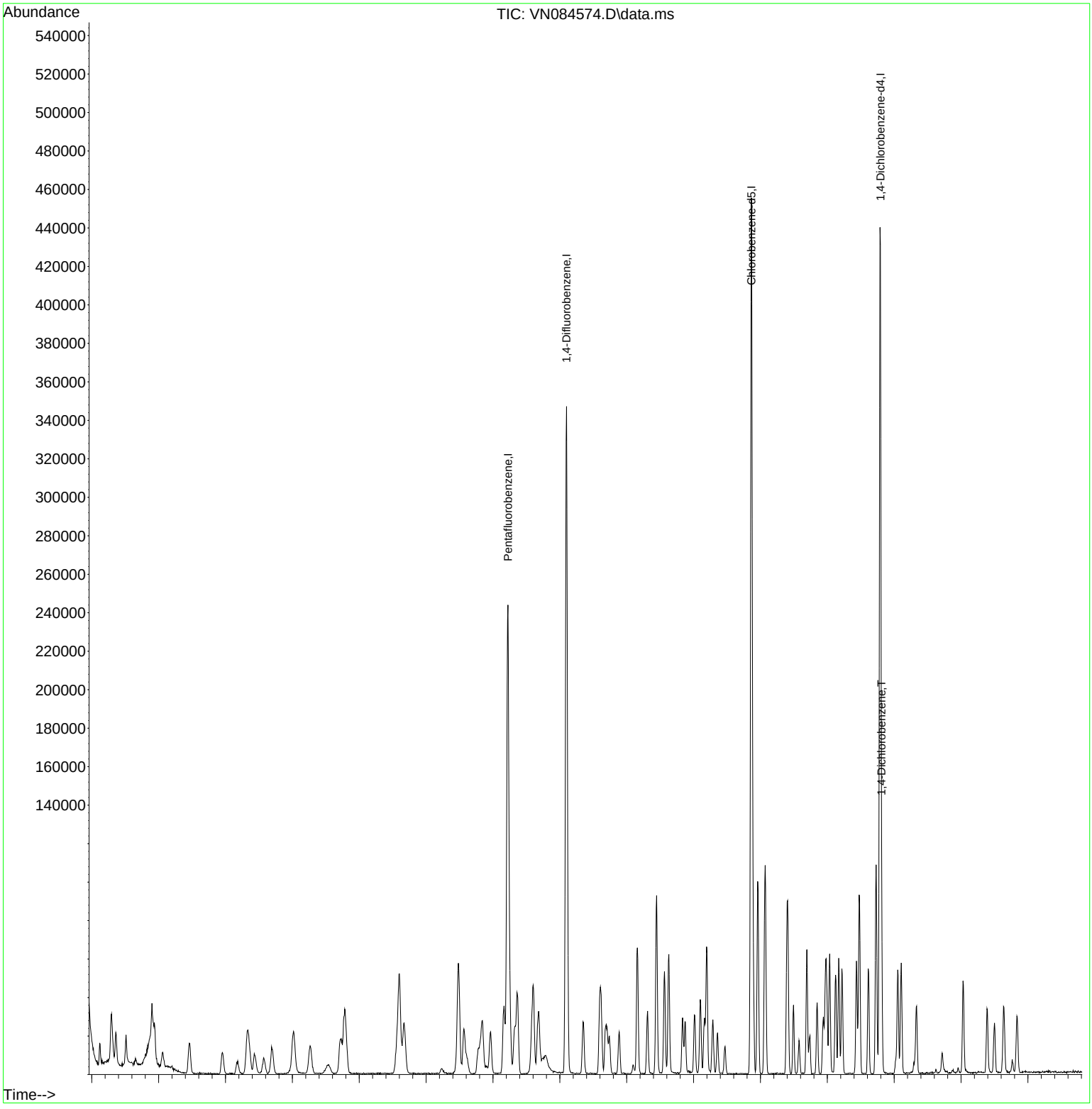
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	168991	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	297772	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	250990	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109560	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	1964	1.011	ug/l		100
3) Chloromethane	2.365	50	6046	1.880	ug/l	#	80
4) Vinyl Chloride	2.512	62	1963	0.939	ug/l		89
6) Chloroethane	3.083	64	2917	0.885	ug/l		98
7) Trichlorofluoromethane	3.471	101	3621	1.052	ug/l	#	74
8) Diethyl Ether	3.971	74	1209m	0.996	ug/l		
9) 1,1,2-Trichlorotrifluo...	4.359	101	1982	1.019	ug/l		90
12) 1,1-Dichloroethene	4.336	96	2177	1.131	ug/l	#	68
14) Allyl chloride	5.006	41	2869	0.919	ug/l	#	29
15) Acrylonitrile	5.730	53	4443	4.764	ug/l	#	55
16) Acetone	4.430	43	5707m	5.302	ug/l		
17) Carbon Disulfide	4.700	76	7155	1.207	ug/l	#	93
18) Methyl Acetate	5.024	43	7743	1.954	ug/l	#	89
19) Methyl tert-butyl Ether	5.806	73	5314	0.901	ug/l		95
20) Methylene Chloride	5.271	84	2029	0.945	ug/l	#	81
21) trans-1,2-Dichloroethene	5.789	96	2030	1.027	ug/l	#	78
22) Diisopropyl ether	6.665	45	5485	0.884	ug/l	#	89
23) Vinyl Acetate	6.600	43	18413	4.306	ug/l		96
24) 1,1-Dichloroethane	6.553	63	3491	0.938	ug/l	#	83
25) 2-Butanone	7.494	43	5644	4.956	ug/l	#	88
26) 2,2-Dichloropropane	7.488	77	3152	0.973	ug/l	#	70
27) cis-1,2-Dichloroethene	7.477	96	2275	0.986	ug/l	#	75
28) Bromochloromethane	7.812	49	1450	0.978	ug/l	#	97
29) Tetrahydrofuran	7.847	42	3321	4.396	ug/l		96
30) Chloroform	7.965	83	3463	0.914	ug/l		87
32) 1,1,1-Trichloroethane	8.171	97	3312	0.960	ug/l	#	34
36) 1,1-Dichloropropene	8.365	75	2825	1.011	ug/l		97
37) Ethyl Acetate	7.559	43	2440	0.962	ug/l	#	88
38) Carbon Tetrachloride	8.353	117	2904	0.929	ug/l	#	73
39) Methylcyclohexane	9.600	83	2212	0.778	ug/l		89
40) Benzene	8.600	78	9169	1.021	ug/l		94
41) Methacrylonitrile	7.777	41	1095	0.803	ug/l	#	84
42) 1,2-Dichloroethane	8.665	62	2733	0.940	ug/l		81
43) Isopropyl Acetate	8.688	43	7724	0.697	ug/l	#	78
44) Trichloroethene	9.353	130	2306	1.114	ug/l		74
45) 1,2-Dichloropropane	9.624	63	1967	0.934	ug/l	#	86

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	9.712	93	1472	0.991 ug/l	93
47) Bromodichloromethane	9.882	83	3156	1.008 ug/l #	96
48) Methyl methacrylate	9.682	41	1652	0.837 ug/l #	84
49) 1,4-Dioxane	9.700	88	576	16.468 ug/l #	73
51) 4-Methyl-2-Pentanone	10.441	43	10237	4.234 ug/l	92
52) Toluene	10.629	92	4507	0.858 ug/l	89
53) t-1,3-Dichloropropene	10.835	75	3308	1.020 ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	3266	0.952 ug/l #	94
55) 1,1,2-Trichloroethane	11.012	97	1841	0.931 ug/l #	86
56) Ethyl methacrylate	10.876	69	2211	0.773 ug/l	94
57) 1,3-Dichloropropane	11.165	76	3139	0.925 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	4979	3.720 ug/l #	87
59) 2-Hexanone	11.194	43	7617	4.328 ug/l	89
60) Dibromochloromethane	11.353	129	1857	0.824 ug/l	88
61) 1,2-Dibromoethane	11.465	107	2001	0.988 ug/l	89
64) Tetrachloroethene	11.100	164	1629	0.976 ug/l #	69
65) Chlorobenzene	11.894	112	5753	1.025 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	2002	1.025 ug/l #	61
67) Ethyl Benzene	11.965	91	8520	0.909 ug/l	98
68) m/p-Xylenes	12.070	106	6568	1.851 ug/l	96
69) o-Xylene	12.400	106	2759	0.831 ug/l	99
70) Styrene	12.406	104	5269	0.910 ug/l	95
71) Bromoform	12.582	173	1434	0.976 ug/l #	95
73) Isopropylbenzene	12.694	105	6985	0.910 ug/l	99
74) N-amyl acetate	12.488	43	2680	0.820 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.929	83	2678	1.045 ug/l #	91
76) 1,2,3-Trichloropropane	12.994	75	2731m	1.263 ug/l	
77) Bromobenzene	12.982	156	2440	1.182 ug/l	95
78) n-propylbenzene	13.035	91	7935	0.882 ug/l	95
79) 2-Chlorotoluene	13.123	91	5699	0.969 ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	5298	0.833 ug/l	98
82) 4-Chlorotoluene	13.223	91	6682	1.080 ug/l	96
83) tert-Butylbenzene	13.435	119	4148	0.788 ug/l	89
84) 1,2,4-Trimethylbenzene	13.482	105	5651	0.860 ug/l	98
85) sec-Butylbenzene	13.617	105	6490	0.872 ug/l	93
86) p-Isopropyltoluene	13.729	119	4859	0.796 ug/l	94
87) 1,3-Dichlorobenzene	13.729	146	4961	1.232 ug/l	95
88) 1,4-Dichlorobenzene	13.817	146	6076m	0.801 ug/l	
89) n-Butylbenzene	14.059	91	6020	1.055 ug/l	95
90) Hexachloroethane	14.329	117	1493	1.097 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	4428	1.144 ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.717	75	595	1.146 ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	2964	1.399 ug/l	98
94) Hexachlorobutadiene	15.506	225	1208	1.298 ug/l	88
95) Naphthalene	15.635	128	7352	1.159 ug/l	96
96) 1,2,3-Trichlorobenzene	15.835	180	2605	1.267 ug/l	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

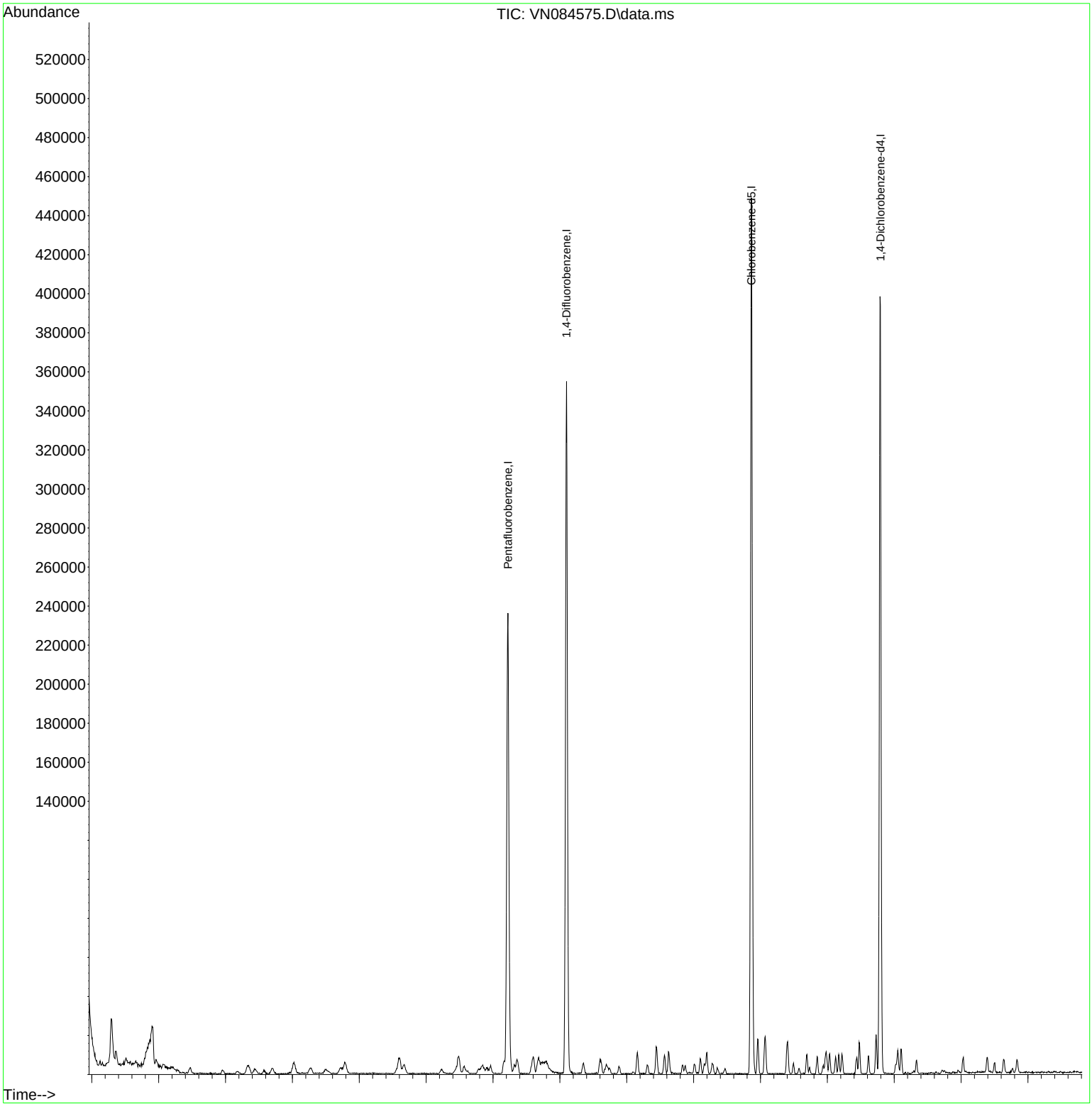
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	192202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132029	47.560	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.120%			
35) Dibromofluoromethane	8.165	113	104306	47.522	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.040%			
50) Toluene-d8	10.565	98	390989	48.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.720%			
62) 4-Bromofluorobenzene	12.847	95	144180	47.715	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	101605	45.985	ug/l	97
3) Chloromethane	2.359	50	118060	45.299	ug/l	99
4) Vinyl Chloride	2.512	62	110340	46.430	ug/l	95
5) Bromomethane	2.900	94	54764	43.494	ug/l	100
6) Chloroethane	3.071	64	68330	46.348	ug/l	93
7) Trichlorofluoromethane	3.471	101	178683	45.644	ug/l	98
8) Diethyl Ether	3.959	74	64407	46.640	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	101094	45.702	ug/l	98
10) Methyl Iodide	4.577	142	137594	46.542	ug/l	97
11) Tert butyl alcohol	5.536	59	80556	219.840	ug/l	99
12) 1,1-Dichloroethene	4.330	96	99235	45.338	ug/l	99
13) Acrolein	4.171	56	79788	218.362	ug/l	98
14) Allyl chloride	5.012	41	170293	47.975	ug/l	92
15) Acrylonitrile	5.718	53	251141	236.747	ug/l	100
16) Acetone	4.430	43	196070	244.445	ug/l	100
17) Carbon Disulfide	4.700	76	287697	42.682	ug/l	99
18) Methyl Acetate	5.024	43	132834	44.944	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	326067	48.603	ug/l	97
20) Methylene Chloride	5.265	84	111618	45.716	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	101181	45.019	ug/l	98
22) Diisopropyl ether	6.671	45	343763	48.739	ug/l	99
23) Vinyl Acetate	6.600	43	1204384	247.614	ug/l	99
24) 1,1-Dichloroethane	6.559	63	196518	46.408	ug/l	97
25) 2-Butanone	7.483	43	307765	237.635	ug/l	97
26) 2,2-Dichloropropane	7.488	77	166234	45.103	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	121280	46.214	ug/l	97
28) Bromochloromethane	7.806	49	92741	54.971	ug/l	97
29) Tetrahydrofuran	7.835	42	211210	245.822	ug/l	98
30) Chloroform	7.965	83	203935	47.316	ug/l	100
31) Cyclohexane	8.253	56	172671	45.053	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	183488	46.774	ug/l	98
36) 1,1-Dichloropropene	8.365	75	141152	46.370	ug/l	100
37) Ethyl Acetate	7.559	43	132993	48.154	ug/l	99
38) Carbon Tetrachloride	8.359	117	157005	46.145	ug/l	97
39) Methylcyclohexane	9.600	83	154743	49.969	ug/l	99
40) Benzene	8.606	78	452351	46.273	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	77176	51.964	ug/l		99
42) 1,2-Dichloroethane	8.671	62	149173	47.118	ug/l		99
43) Isopropyl Acetate	8.688	43	232558	45.492	ug/l		98
44) Trichloroethene	9.347	130	100849	44.732	ug/l		99
45) 1,2-Dichloropropane	9.618	63	108229	47.196	ug/l		96
46) Dibromomethane	9.706	93	74292	45.911	ug/l		96
47) Bromodichloromethane	9.888	83	158814	46.560	ug/l	#	99
48) Methyl methacrylate	9.676	41	109745	51.057	ug/l		97
49) 1,4-Dioxane	9.694	88	40527	1063.992	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	665397	252.729	ug/l		98
52) Toluene	10.629	92	277957	48.616	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	162100	45.911	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	175008	46.832	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	102553	47.618	ug/l		97
56) Ethyl methacrylate	10.871	69	164370	52.764	ug/l		98
57) 1,3-Dichloropropane	11.165	76	176546	47.765	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	408174	280.013	ug/l		98
59) 2-Hexanone	11.194	43	489776	255.570	ug/l		99
60) Dibromochloromethane	11.359	129	120465	49.079	ug/l		99
61) 1,2-Dibromoethane	11.465	107	102316	46.393	ug/l		100
64) Tetrachloroethene	11.100	164	88124	45.436	ug/l		98
65) Chlorobenzene	11.888	112	292713	44.872	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	105108	46.323	ug/l		99
67) Ethyl Benzene	11.965	91	526140	48.319	ug/l		99
68) m/p-Xylenes	12.070	106	408029	98.979	ug/l		99
69) o-Xylene	12.400	106	194895	50.538	ug/l		99
70) Styrene	12.412	104	333668	49.600	ug/l		98
71) Bromoform	12.576	173	78822	46.166	ug/l	#	98
73) Isopropylbenzene	12.694	105	491033	49.063	ug/l		100
74) N-amyl acetate	12.494	43	209049	49.076	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	147181	44.058	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	122725m	42.988	ug/l		
77) Bromobenzene	12.976	156	119728	44.500	ug/l		97
78) n-propylbenzene	13.035	91	576495	49.156	ug/l		98
79) 2-Chlorotoluene	13.123	91	367294	47.930	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	420675	50.714	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	54512	45.300	ug/l		99
82) 4-Chlorotoluene	13.223	91	361596	44.837	ug/l		98
83) tert-Butylbenzene	13.435	119	361800	52.701	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	428517	50.053	ug/l		100
85) sec-Butylbenzene	13.617	105	483212	49.829	ug/l		100
86) p-Isopropyltoluene	13.729	119	410129	51.568	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	219757	41.852	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	221608	45.904	ug/l		99
89) n-Butylbenzene	14.053	91	341775	45.941	ug/l		100
90) Hexachloroethane	14.329	117	77324	43.597	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	220824	43.765	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30895	45.651	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	111270	40.290	ug/l		98
94) Hexachlorobutadiene	15.500	225	47959	39.544	ug/l		97
95) Naphthalene	15.641	128	375360	45.408	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	108830	40.595	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

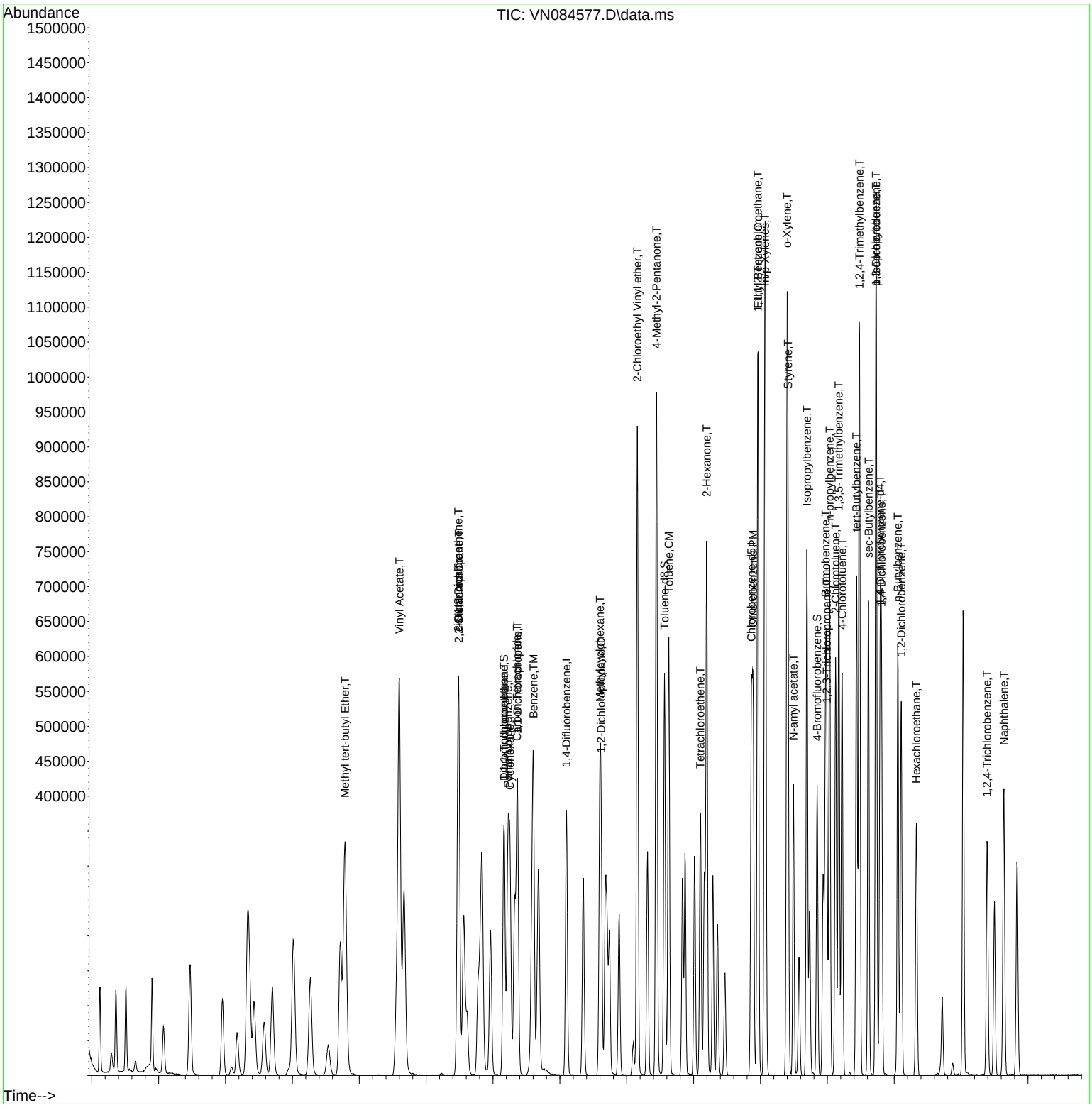
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	103	0.00
2	T	Dichlorodifluoromethane	0.575	0.529	8.0	99	0.00
3	P	Chloromethane	0.952	0.614	35.5#	94	0.00
4	C	Vinyl Chloride	0.618	0.574	7.1#	98	0.00
5	T	Bromomethane	0.328	0.285	13.1	99	-0.05
6	T	Chloroethane	0.488	0.356	27.0#	97	-0.05
7	T	Trichlorofluoromethane	1.018	0.930	8.6	100	-0.02
8	T	Diethyl Ether	0.359	0.335	6.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.526	8.5	97	-0.01
10	T	Methyl Iodide	0.769	0.716	6.9	100	-0.02
11	T	Tert butyl alcohol	0.095	0.084	11.6	100	0.01
12	CM	1,1-Dichloroethene	0.569	0.516	9.3#	99	-0.01
13	T	Acrolein	0.095	0.083	12.6	97	0.00
14	T	Allyl chloride	0.923	0.886	4.0	100	-0.01
15	T	Acrylonitrile	0.276	0.261	5.4	99	0.00
16	T	Acetone	0.238	0.204	14.3	103	0.00
17	T	Carbon Disulfide	1.753	1.497	14.6	96	-0.01
18	T	Methyl Acetate	1.172	0.691	41.0#	95	0.00
19	T	Methyl tert-butyl Ether	1.745	1.696	2.8	99	0.00
20	T	Methylene Chloride	0.635	0.581	8.5	99	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.526	10.1	96	-0.01
22	T	Diisopropyl ether	1.835	1.789	2.5	99	0.00
23	T	Vinyl Acetate	1.265	1.253	0.9	99	0.00
24	P	1,1-Dichloroethane	1.102	1.022	7.3	99	-0.01
25	T	2-Butanone	0.337	0.320	5.0	105	0.00
26	T	2,2-Dichloropropane	0.959	0.865	9.8	95	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.631	7.6	98	0.00
28	T	Bromochloromethane	0.439	0.483	-10.0	97	0.00
29	T	Tetrahydrofuran	0.224	0.220	1.8	102	0.00
30	C	Chloroform	1.121	1.061	5.4#	101	0.00
31	T	Cyclohexane	0.997	0.898	9.9	99	0.00
32	T	1,1,1-Trichloroethane	1.021	0.955	6.5	99	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.687	4.8	98	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.338	0.322	4.7	97	0.00
36	T	1,1-Dichloropropene	0.469	0.435	7.2	100	0.00
37	T	Ethyl Acetate	0.426	0.410	3.8	101	0.00
38	T	Carbon Tetrachloride	0.525	0.484	7.8	98	0.00
39	T	Methylcyclohexane	0.478	0.477	0.2	98	0.00
40	TM	Benzene	1.507	1.395	7.4	100	0.00
41	T	Methacrylonitrile	0.229	0.238	-3.9	101	0.00
42	TM	1,2-Dichloroethane	0.488	0.460	5.7	97	0.00
43	T	Isopropyl Acetate	0.927	0.717	22.7	99	0.00
44	TM	Trichloroethene	0.348	0.311	10.6	97	0.00
45	C	1,2-Dichloropropane	0.354	0.334	5.6#	100	0.00
46	T	Dibromomethane	0.250	0.229	8.4	98	0.00
47	T	Bromodichloromethane	0.526	0.490	6.8	98	0.00
48	T	Methyl methacrylate	0.331	0.338	-2.1	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	107	0.00
50	S	Toluene-d8	1.247	1.206	3.3	96	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.410	-1.0	101	0.00
52	CM	Toluene	0.882	0.857	2.8#	99	0.00
53	T	t-1,3-Dichloropropene	0.544	0.500	8.1	96	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.540	6.2	97	0.00
55	T	1,1,2-Trichloroethane	0.332	0.316	4.8	100	0.00
56	T	Ethyl methacrylate	0.480	0.507	-5.6	98	0.00
57	T	1,3-Dichloropropane	0.570	0.544	4.6	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.252	-12.0	100	0.00
59	T	2-Hexanone	0.296	0.302	-2.0	101	0.00
60	T	Dibromochloromethane	0.378	0.372	1.6	98	0.00
61	T	1,2-Dibromoethane	0.340	0.316	7.1	98	0.00
62	S	4-Bromofluorobenzene	0.466	0.445	4.5	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.333	0.302	9.3	101	0.00
65	PM	Chlorobenzene	1.119	1.004	10.3	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.360	7.5	100	0.00
67	C	Ethyl Benzene	1.867	1.804	3.4#	100	0.00
68	T	m/p-Xylenes	0.707	0.700	1.0	100	0.00
69	T	o-Xylene	0.661	0.668	-1.1	101	0.00
70	T	Styrene	1.154	1.144	0.9	99	0.00
71	P	Bromoform	0.293	0.270	7.8	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.504	3.438	1.9	99	0.00
74	T	N-amyl acetate	1.491	1.464	1.8	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.031	11.9	99	0.00
76	T	1,2,3-Trichloropropane	0.999	0.859	14.0	100	0.00
77	T	Bromobenzene	0.942	0.838	11.0	98	0.00
78	T	n-propylbenzene	4.106	4.037	1.7	98	0.00
79	T	2-Chlorotoluene	2.683	2.572	4.1	101	0.00
80	T	1,3,5-Trimethylbenzene	2.904	2.946	-1.4	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.382	9.3	98	0.00
82	T	4-Chlorotoluene	2.823	2.532	10.3	96	0.00
83	T	tert-Butylbenzene	2.403	2.533	-5.4	103	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.000	-0.1	98	0.00
85	T	sec-Butylbenzene	3.395	3.383	0.4	99	0.00
86	T	p-Isopropyltoluene	2.784	2.872	-3.2	97	0.00
87	T	1,3-Dichlorobenzene	1.838	1.539	16.3	95	0.00
88	T	1,4-Dichlorobenzene	1.937	1.552	19.9	96	0.00
89	T	n-Butylbenzene	2.605	2.393	8.1	94	0.00
90	T	Hexachloroethane	0.621	0.541	12.9	95	0.00
91	T	1,2-Dichlorobenzene	1.766	1.546	12.5	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.216	8.9	103	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.779	19.4	93	0.00
94	T	Hexachlorobutadiene	0.425	0.336	20.9	94	0.00
95	T	Naphthalene	2.894	2.628	9.2	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.762	18.8	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	103	0.00
2	T	Dichlorodifluoromethane	50.000	45.985	8.0	99	0.00
3	P	Chloromethane	50.000	45.299	9.4	94	0.00
4	C	Vinyl Chloride	50.000	46.430	7.1#	98	0.00
5	T	Bromomethane	50.000	43.494	13.0	99	-0.05
6	T	Chloroethane	50.000	46.348	7.3	97	-0.05
7	T	Trichlorofluoromethane	50.000	45.644	8.7	100	-0.02
8	T	Diethyl Ether	50.000	46.640	6.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.702	8.6	97	-0.01
10	T	Methyl Iodide	50.000	46.542	6.9	100	-0.02
11	T	Tert butyl alcohol	250.000	219.840	12.1	100	0.01
12	CM	1,1-Dichloroethene	50.000	45.338	9.3#	99	-0.01
13	T	Acrolein	250.000	218.362	12.7	97	0.00
14	T	Allyl chloride	50.000	47.975	4.0	100	-0.01
15	T	Acrylonitrile	250.000	236.747	5.3	99	0.00
16	T	Acetone	250.000	244.445	2.2	103	0.00
17	T	Carbon Disulfide	50.000	42.682	14.6	96	-0.01
18	T	Methyl Acetate	50.000	44.944	10.1	95	0.00
19	T	Methyl tert-butyl Ether	50.000	48.603	2.8	99	0.00
20	T	Methylene Chloride	50.000	45.716	8.6	99	-0.01
21	T	trans-1,2-Dichloroethene	50.000	45.019	10.0	96	-0.01
22	T	Diisopropyl ether	50.000	48.739	2.5	99	0.00
23	T	Vinyl Acetate	250.000	247.614	1.0	99	0.00
24	P	1,1-Dichloroethane	50.000	46.408	7.2	99	-0.01
25	T	2-Butanone	250.000	237.635	4.9	105	0.00
26	T	2,2-Dichloropropane	50.000	45.103	9.8	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.214	7.6	98	0.00
28	T	Bromochloromethane	50.000	54.971	-9.9	97	0.00
29	T	Tetrahydrofuran	250.000	245.822	1.7	102	0.00
30	C	Chloroform	50.000	47.316	5.4#	101	0.00
31	T	Cyclohexane	50.000	45.053	9.9	99	0.00
32	T	1,1,1-Trichloroethane	50.000	46.774	6.5	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.560	4.9	98	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	47.522	5.0	97	0.00
36	T	1,1-Dichloropropene	50.000	46.370	7.3	100	0.00
37	T	Ethyl Acetate	50.000	48.154	3.7	101	0.00
38	T	Carbon Tetrachloride	50.000	46.145	7.7	98	0.00
39	T	Methylcyclohexane	50.000	49.969	0.1	98	0.00
40	TM	Benzene	50.000	46.273	7.5	100	0.00
41	T	Methacrylonitrile	50.000	51.964	-3.9	101	0.00
42	TM	1,2-Dichloroethane	50.000	47.118	5.8	97	0.00
43	T	Isopropyl Acetate	50.000	45.492	9.0	99	0.00
44	TM	Trichloroethene	50.000	44.732	10.5	97	0.00
45	C	1,2-Dichloropropane	50.000	47.196	5.6#	100	0.00
46	T	Dibromomethane	50.000	45.911	8.2	98	0.00
47	T	Bromodichloromethane	50.000	46.560	6.9	98	0.00
48	T	Methyl methacrylate	50.000	51.057	-2.1	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1063.992	-6.4	107	0.00
50	S	Toluene-d8	50.000	48.359	3.3	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	252.729	-1.1	101	0.00
52	CM	Toluene	50.000	48.616	2.8#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	45.911	8.2	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.832	6.3	97	0.00
55	T	1,1,2-Trichloroethane	50.000	47.618	4.8	100	0.00
56	T	Ethyl methacrylate	50.000	52.764	-5.5	98	0.00
57	T	1,3-Dichloropropane	50.000	47.765	4.5	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	280.013	-12.0	100	0.00
59	T	2-Hexanone	250.000	255.570	-2.2	101	0.00
60	T	Dibromochloromethane	50.000	49.079	1.8	98	0.00
61	T	1,2-Dibromoethane	50.000	46.393	7.2	98	0.00
62	S	4-Bromofluorobenzene	50.000	47.715	4.6	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	45.436	9.1	101	0.00
65	PM	Chlorobenzene	50.000	44.872	10.3	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	46.323	7.4	100	0.00
67	C	Ethyl Benzene	50.000	48.319	3.4#	100	0.00
68	T	m/p-Xylenes	100.000	98.979	1.0	100	0.00
69	T	o-Xylene	50.000	50.538	-1.1	101	0.00
70	T	Styrene	50.000	49.600	0.8	99	0.00
71	P	Bromoform	50.000	46.166	7.7	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	49.063	1.9	99	0.00
74	T	N-amyl acetate	50.000	49.076	1.8	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.058	11.9	99	0.00
76	T	1,2,3-Trichloropropane	50.000	42.988	14.0	100	0.00
77	T	Bromobenzene	50.000	44.500	11.0	98	0.00
78	T	n-propylbenzene	50.000	49.156	1.7	98	0.00
79	T	2-Chlorotoluene	50.000	47.930	4.1	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.714	-1.4	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.300	9.4	98	0.00
82	T	4-Chlorotoluene	50.000	44.837	10.3	96	0.00
83	T	tert-Butylbenzene	50.000	52.701	-5.4	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.053	-0.1	98	0.00
85	T	sec-Butylbenzene	50.000	49.829	0.3	99	0.00
86	T	p-Isopropyltoluene	50.000	51.568	-3.1	97	0.00
87	T	1,3-Dichlorobenzene	50.000	41.852	16.3	95	0.00
88	T	1,4-Dichlorobenzene	50.000	45.904	8.2	96	0.00
89	T	n-Butylbenzene	50.000	45.941	8.1	94	0.00
90	T	Hexachloroethane	50.000	43.597	12.8	95	0.00
91	T	1,2-Dichlorobenzene	50.000	43.765	12.5	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.651	8.7	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	40.290	19.4	93	0.00
94	T	Hexachlorobutadiene	50.000	39.544	20.9	94	0.00
95	T	Naphthalene	50.000	45.408	9.2	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	40.595	18.8	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VN084645.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: P4660 SAS No.: P4660 SDG No.: P4660

Instrument ID: MSVOA_N Calibration Date/Time: 11/04/2024 09:32

Lab File ID: VN084645.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.618	0.560		-9.39	20
1,1-Dichloroethene	0.569	0.504		-11.42	20
2-Butanone	0.337	0.308		-8.6	20
Carbon Tetrachloride	0.525	0.519		-1.14	20
Chloroform	1.121	1.059		-5.53	20
Benzene	1.507	1.441		-4.38	20
1,2-Dichloroethane	0.488	0.470		-3.69	20
Trichloroethene	0.348	0.332		-4.6	20
Tetrachloroethene	0.333	0.334		0.3	20
Chlorobenzene	1.119	1.037	0.3	-7.33	20
1,2-Dichloroethane-d4	0.722	0.646		-10.53	20
Dibromofluoromethane	0.338	0.328		-2.96	20
Toluene-d8	1.247	1.211		-2.89	20
4-Bromofluorobenzene	0.466	0.475		1.93	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084645.D
Acq On : 04 Nov 2024 09:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 00:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	188408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	268457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	121756	44.743	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 89.480%			
35) Dibromofluoromethane	8.159	113	99405	48.429	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.860%			
50) Toluene-d8	10.565	98	367326	48.581	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.160%			
62) 4-Bromofluorobenzene	12.847	95	144082	50.988	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	98813	45.622	ug/l	94
3) Chloromethane	2.359	50	107439	41.864	ug/l	97
4) Vinyl Chloride	2.512	62	105443	45.263	ug/l	97
5) Bromomethane	2.901	94	52040	42.163	ug/l	95
6) Chloroethane	3.077	64	66998	46.360	ug/l	95
7) Trichlorofluoromethane	3.477	101	179954	46.895	ug/l	100
8) Diethyl Ether	3.953	74	61092	45.130	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	104062	47.991	ug/l	99
10) Methyl Iodide	4.577	142	130643	45.080	ug/l	99
11) Tert butyl alcohol	5.542	59	68847	191.669	ug/l #	90
12) 1,1-Dichloroethene	4.330	96	94897	44.229	ug/l	96
13) Acrolein	4.171	56	72859	203.414	ug/l	98
14) Allyl chloride	5.012	41	155565	44.708	ug/l	94
15) Acrylonitrile	5.718	53	232899	223.972	ug/l	98
16) Acetone	4.418	43	173952	220.963	ug/l	99
17) Carbon Disulfide	4.700	76	271971	41.161	ug/l	99
18) Methyl Acetate	5.018	43	117604	40.172	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	316739	48.164	ug/l	98
20) Methylene Chloride	5.265	84	108851	45.480	ug/l	87
21) trans-1,2-Dichloroethene	5.777	96	100106	45.438	ug/l	99
22) Diisopropyl ether	6.665	45	330400	47.787	ug/l	99
23) Vinyl Acetate	6.594	43	1160172	243.327	ug/l	100
24) 1,1-Dichloroethane	6.559	63	191224	46.067	ug/l	98
25) 2-Butanone	7.477	43	290349	228.702	ug/l	100
26) 2,2-Dichloropropane	7.483	77	173930	48.142	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	120143	46.703	ug/l	96
28) Bromochloromethane	7.806	49	96787	58.524	ug/l	95
29) Tetrahydrofuran	7.836	42	190946	226.712	ug/l	97
30) Chloroform	7.959	83	199585	47.240	ug/l	98
31) Cyclohexane	8.253	56	163287	43.463	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	179012	46.552	ug/l	99
36) 1,1-Dichloropropene	8.365	75	134579	47.276	ug/l	98
37) Ethyl Acetate	7.553	43	117800	45.610	ug/l	100
38) Carbon Tetrachloride	8.359	117	157491	49.497	ug/l	98
39) Methylcyclohexane	9.594	83	152885	52.792	ug/l	97
40) Benzene	8.600	78	436903	47.791	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084645.D
Acq On : 04 Nov 2024 09:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 00:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	68360	49.219 ug/l		97
42) 1,2-Dichloroethane	8.665	62	142665	48.186 ug/l		99
43) Isopropyl Acetate	8.683	43	221551	46.362 ug/l		98
44) Trichloroethene	9.347	130	100605	47.717 ug/l		94
45) 1,2-Dichloropropane	9.618	63	106550	49.685 ug/l		96
46) Dibromomethane	9.706	93	71578	47.301 ug/l		95
47) Bromodichloromethane	9.883	83	155818	48.848 ug/l		98
48) Methyl methacrylate	9.677	41	95812	47.665 ug/l		96
49) 1,4-Dioxane	9.694	88	31954	897.077 ug/l	#	80
51) 4-Methyl-2-Pentanone	10.441	43	595450	241.842 ug/l		99
52) Toluene	10.630	92	268083	50.140 ug/l		99
53) t-1,3-Dichloropropene	10.829	75	155465	47.084 ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	169874	48.610 ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	99220	49.265 ug/l		93
56) Ethyl methacrylate	10.871	69	149857	51.440 ug/l		95
57) 1,3-Dichloropropane	11.159	76	166845	48.269 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	377379	276.836 ug/l		96
59) 2-Hexanone	11.194	43	456088	254.491 ug/l		97
60) Dibromochloromethane	11.353	129	115878	50.483 ug/l		99
61) 1,2-Dibromoethane	11.465	107	97877	47.457 ug/l		99
64) Tetrachloroethene	11.100	164	89732	50.251 ug/l		97
65) Chlorobenzene	11.888	112	278517	46.374 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	101761	48.712 ug/l		98
67) Ethyl Benzene	11.959	91	495271	49.403 ug/l		99
68) m/p-Xylenes	12.065	106	380665	100.297 ug/l		99
69) o-Xylene	12.394	106	181122	51.013 ug/l		99
70) Styrene	12.406	104	313983	50.695 ug/l		98
71) Bromoform	12.576	173	79194	50.380 ug/l	#	100
73) Isopropylbenzene	12.694	105	464356	46.094 ug/l		100
74) N-amyl acetate	12.494	43	185524	43.269 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	137063	40.761 ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	125328m	43.613 ug/l		
77) Bromobenzene	12.976	156	114518	42.285 ug/l		94
78) n-propylbenzene	13.035	91	547760	46.400 ug/l		98
79) 2-Chlorotoluene	13.123	91	346847	44.966 ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	401479	48.084 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	49863	41.166 ug/l		98
82) 4-Chlorotoluene	13.218	91	348763	42.963 ug/l		98
83) tert-Butylbenzene	13.435	119	334665	48.430 ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	413628	47.998 ug/l		99
85) sec-Butylbenzene	13.612	105	472030	48.358 ug/l		100
86) p-Isopropyltoluene	13.729	119	401075	50.101 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	218058	41.257 ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	215325	44.258 ug/l		99
89) n-Butylbenzene	14.053	91	339287	45.308 ug/l		99
90) Hexachloroethane	14.329	117	76751	42.991 ug/l		97
91) 1,2-Dichlorobenzene	14.100	146	215481	42.427 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25427	37.326 ug/l		92
93) 1,2,4-Trichlorobenzene	15.388	180	109093	39.244 ug/l		100
94) Hexachlorobutadiene	15.494	225	49072	40.198 ug/l		98
95) Naphthalene	15.635	128	335352	40.303 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	107383	39.793 ug/l		98

Sample Results: **VN084645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084645.D
Acq On : 04 Nov 2024 09:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 00:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VN084645.D**

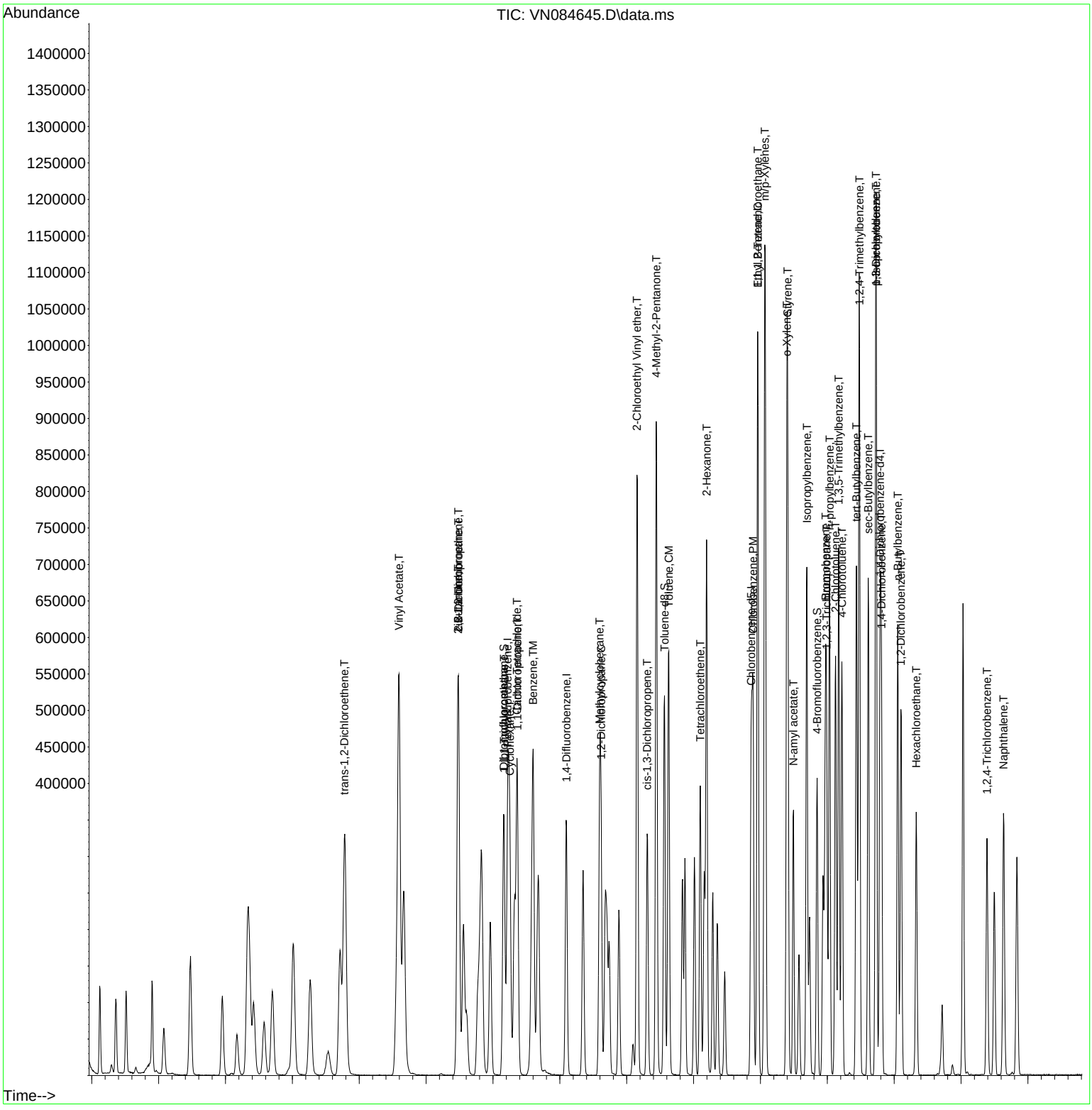
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084645.D
Acq On : 04 Nov 2024 09:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 00:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024



Sample Results: **VN084645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084645.D
Acq On : 04 Nov 2024 09:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
2	T	Dichlorodifluoromethane	0.575	0.524	8.9	96	0.00
3	P	Chloromethane	0.952	0.570	40.1#	86	0.00
4	C	Vinyl Chloride	0.618	0.560	9.4#	93	0.00
5	T	Bromomethane	0.328	0.276	15.9	94	-0.05
6	T	Chloroethane	0.488	0.356	27.0#	96	-0.04
7	T	Trichlorofluoromethane	1.018	0.955	6.2	101	-0.02
8	T	Diethyl Ether	0.359	0.324	9.7	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.552	4.0	100	-0.01
10	T	Methyl Iodide	0.769	0.693	9.9	95	-0.02
11	T	Tert butyl alcohol	0.095	0.073	23.2	85	0.02
12	CM	1,1-Dichloroethene	0.569	0.504	11.4#	94	-0.01
13	T	Acrolein	0.095	0.077	18.9	89	0.00
14	T	Allyl chloride	0.923	0.826	10.5	91	-0.01
15	T	Acrylonitrile	0.276	0.247	10.5	92	0.00
16	T	Acetone	0.238	0.185	22.3	92	0.00
17	T	Carbon Disulfide	1.753	1.444	17.6	91	-0.01
18	T	Methyl Acetate	1.172	0.624	46.8#	84	0.00
19	T	Methyl tert-butyl Ether	1.745	1.681	3.7	97	0.00
20	T	Methylene Chloride	0.635	0.578	9.0	97	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.531	9.2	95	-0.01
22	T	Diisopropyl ether	1.835	1.754	4.4	95	0.00
23	T	Vinyl Acetate	1.265	1.232	2.6	96	0.00
24	P	1,1-Dichloroethane	1.102	1.015	7.9	96	-0.01
25	T	2-Butanone	0.337	0.308	8.6	99	0.00
26	T	2,2-Dichloropropane	0.959	0.923	3.8	99	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.638	6.6	97	0.00
28	T	Bromochloromethane	0.439	0.514	-17.1	102	0.00
29	T	Tetrahydrofuran	0.224	0.203	9.4	92	0.00
30	C	Chloroform	1.121	1.059	5.5#	99	0.00
31	T	Cyclohexane	0.997	0.867	13.0	93	0.00
32	T	1,1,1-Trichloroethane	1.021	0.950	7.0	97	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.646	10.5	91	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.338	0.328	3.0	93	0.00
36	T	1,1-Dichloropropene	0.469	0.444	5.3	96	0.00
37	T	Ethyl Acetate	0.426	0.388	8.9	90	0.00
38	T	Carbon Tetrachloride	0.525	0.519	1.1	98	0.00
39	T	Methylcyclohexane	0.478	0.504	-5.4	96	0.00
40	TM	Benzene	1.507	1.441	4.4	97	0.00
41	T	Methacrylonitrile	0.229	0.225	1.7	89	0.00
42	TM	1,2-Dichloroethane	0.488	0.470	3.7	93	0.00
43	T	Isopropyl Acetate	0.927	0.731	21.1	94	0.00
44	TM	Trichloroethene	0.348	0.332	4.6	96	0.00
45	C	1,2-Dichloropropane	0.354	0.351	0.8#	98	0.00
46	T	Dibromomethane	0.250	0.236	5.6	94	0.00
47	T	Bromodichloromethane	0.526	0.514	2.3	96	0.00
48	T	Methyl methacrylate	0.331	0.316	4.5	89	0.00

Sample Results: **VN084645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084645.D
Acq On : 04 Nov 2024 09:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.005	16.7	85	0.00
50	S	Toluene-d8	1.247	1.211	2.9	91	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.393	3.2	90	0.00
52	CM	Toluene	0.882	0.884	-0.2#	96	0.00
53	T	t-1,3-Dichloropropene	0.544	0.513	5.7	92	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.560	2.8	94	0.00
55	T	1,1,2-Trichloroethane	0.332	0.327	1.5	97	0.00
56	T	Ethyl methacrylate	0.480	0.494	-2.9	89	0.00
57	T	1,3-Dichloropropane	0.570	0.550	3.5	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.249	-10.7	93	0.00
59	T	2-Hexanone	0.296	0.301	-1.7	94	0.00
60	T	Dibromochloromethane	0.378	0.382	-1.1	94	0.00
61	T	1,2-Dibromoethane	0.340	0.323	5.0	94	0.00
62	S	4-Bromofluorobenzene	0.466	0.475	-1.9	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	T	Tetrachloroethene	0.333	0.334	-0.3	103	0.00
65	PM	Chlorobenzene	1.119	1.037	7.3	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.379	2.6	97	0.00
67	C	Ethyl Benzene	1.867	1.845	1.2#	94	0.00
68	T	m/p-Xylenes	0.707	0.709	-0.3	94	0.00
69	T	o-Xylene	0.661	0.675	-2.1	94	0.00
70	T	Styrene	1.154	1.170	-1.4	93	0.00
71	P	Bromoform	0.293	0.295	-0.7	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
73	T	Isopropylbenzene	3.504	3.230	7.8	94	0.00
74	T	N-amyl acetate	1.491	1.291	13.4	88	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	0.953	18.5	92	0.00
76	T	1,2,3-Trichloropropane	0.999	0.872	12.7	102	0.00
77	T	Bromobenzene	0.942	0.797	15.4	94	0.00
78	T	n-propylbenzene	4.106	3.810	7.2	93	0.00
79	T	2-Chlorotoluene	2.683	2.413	10.1	96	0.00
80	T	1,3,5-Trimethylbenzene	2.904	2.793	3.8	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.347	17.6	90	0.00
82	T	4-Chlorotoluene	2.823	2.426	14.1	93	0.00
83	T	tert-Butylbenzene	2.403	2.328	3.1	96	0.00
84	T	1,2,4-Trimethylbenzene	2.997	2.877	4.0	95	0.00
85	T	sec-Butylbenzene	3.395	3.284	3.3	96	0.00
86	T	p-Isopropyltoluene	2.784	2.790	-0.2	95	0.00
87	T	1,3-Dichlorobenzene	1.838	1.517	17.5	95	0.00
88	T	1,4-Dichlorobenzene	1.937	1.498	22.7	93	0.00
89	T	n-Butylbenzene	2.605	2.360	9.4	94	0.00
90	T	Hexachloroethane	0.621	0.534	14.0	94	0.00
91	T	1,2-Dichlorobenzene	1.766	1.499	15.1	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.177	25.3#	85	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.759	21.5	91	0.00
94	T	Hexachlorobutadiene	0.425	0.341	19.8	96	0.00
95	T	Naphthalene	2.894	2.333	19.4	87	0.00

Sample Results: **VN084645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084645.D
Acq On : 04 Nov 2024 09:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.747	20.4	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VN084645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084645.D
Acq On : 04 Nov 2024 09:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	101	0.00
2	T	Dichlorodifluoromethane	50.000	45.622	8.8	96	0.00
3	P	Chloromethane	50.000	41.864	16.3	86	0.00
4	C	Vinyl Chloride	50.000	45.263	9.5#	93	0.00
5	T	Bromomethane	50.000	42.163	15.7	94	-0.05
6	T	Chloroethane	50.000	46.360	7.3	96	-0.04
7	T	Trichlorofluoromethane	50.000	46.895	6.2	101	-0.02
8	T	Diethyl Ether	50.000	45.130	9.7	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.991	4.0	100	-0.01
10	T	Methyl Iodide	50.000	45.080	9.8	95	-0.02
11	T	Tert butyl alcohol	250.000	191.669	23.3	85	0.02
12	CM	1,1-Dichloroethene	50.000	44.229	11.5#	94	-0.01
13	T	Acrolein	250.000	203.414	18.6	89	0.00
14	T	Allyl chloride	50.000	44.708	10.6	91	-0.01
15	T	Acrylonitrile	250.000	223.972	10.4	92	0.00
16	T	Acetone	250.000	220.963	11.6	92	0.00
17	T	Carbon Disulfide	50.000	41.161	17.7	91	-0.01
18	T	Methyl Acetate	50.000	40.172	19.7	84	0.00
19	T	Methyl tert-butyl Ether	50.000	48.164	3.7	97	0.00
20	T	Methylene Chloride	50.000	45.480	9.0	97	-0.01
21	T	trans-1,2-Dichloroethene	50.000	45.438	9.1	95	-0.01
22	T	Diisopropyl ether	50.000	47.787	4.4	95	0.00
23	T	Vinyl Acetate	250.000	243.327	2.7	96	0.00
24	P	1,1-Dichloroethane	50.000	46.067	7.9	96	-0.01
25	T	2-Butanone	250.000	228.702	8.5	99	0.00
26	T	2,2-Dichloropropane	50.000	48.142	3.7	99	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.703	6.6	97	0.00
28	T	Bromochloromethane	50.000	58.524	-17.0	102	0.00
29	T	Tetrahydrofuran	250.000	226.712	9.3	92	0.00
30	C	Chloroform	50.000	47.240	5.5#	99	0.00
31	T	Cyclohexane	50.000	43.463	13.1	93	0.00
32	T	1,1,1-Trichloroethane	50.000	46.552	6.9	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	44.743	10.5	91	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	48.429	3.1	93	0.00
36	T	1,1-Dichloropropene	50.000	47.276	5.4	96	0.00
37	T	Ethyl Acetate	50.000	45.610	8.8	90	0.00
38	T	Carbon Tetrachloride	50.000	49.497	1.0	98	0.00
39	T	Methylcyclohexane	50.000	52.792	-5.6	96	0.00
40	TM	Benzene	50.000	47.791	4.4	97	0.00
41	T	Methacrylonitrile	50.000	49.219	1.6	89	0.00
42	TM	1,2-Dichloroethane	50.000	48.186	3.6	93	0.00
43	T	Isopropyl Acetate	50.000	46.362	7.3	94	0.00
44	TM	Trichloroethene	50.000	47.717	4.6	96	0.00
45	C	1,2-Dichloropropane	50.000	49.685	0.6#	98	0.00
46	T	Dibromomethane	50.000	47.301	5.4	94	0.00
47	T	Bromodichloromethane	50.000	48.848	2.3	96	0.00
48	T	Methyl methacrylate	50.000	47.665	4.7	89	0.00

Sample Results: **VN084645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084645.D
Acq On : 04 Nov 2024 09:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	897.077	10.3	85	0.00
50	S	Toluene-d8	50.000	48.581	2.8	91	0.00
51	T	4-Methyl-2-Pentanone	250.000	241.842	3.3	90	0.00
52	CM	Toluene	50.000	50.140	-0.3#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	47.084	5.8	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.610	2.8	94	0.00
55	T	1,1,2-Trichloroethane	50.000	49.265	1.5	97	0.00
56	T	Ethyl methacrylate	50.000	51.440	-2.9	89	0.00
57	T	1,3-Dichloropropane	50.000	48.269	3.5	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	276.836	-10.7	93	0.00
59	T	2-Hexanone	250.000	254.491	-1.8	94	0.00
60	T	Dibromochloromethane	50.000	50.483	-1.0	94	0.00
61	T	1,2-Dibromoethane	50.000	47.457	5.1	94	0.00
62	S	4-Bromofluorobenzene	50.000	50.988	-2.0	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64	T	Tetrachloroethene	50.000	50.251	-0.5	103	0.00
65	PM	Chlorobenzene	50.000	46.374	7.3	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.712	2.6	97	0.00
67	C	Ethyl Benzene	50.000	49.403	1.2#	94	0.00
68	T	m/p-Xylenes	100.000	100.297	-0.3	94	0.00
69	T	o-Xylene	50.000	51.013	-2.0	94	0.00
70	T	Styrene	50.000	50.695	-1.4	93	0.00
71	P	Bromoform	50.000	50.380	-0.8	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	104	0.00
73	T	Isopropylbenzene	50.000	46.094	7.8	94	0.00
74	T	N-amyl acetate	50.000	43.269	13.5	88	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	40.761	18.5	92	0.00
76	T	1,2,3-Trichloropropane	50.000	43.613	12.8	102	0.00
77	T	Bromobenzene	50.000	42.285	15.4	94	0.00
78	T	n-propylbenzene	50.000	46.400	7.2	93	0.00
79	T	2-Chlorotoluene	50.000	44.966	10.1	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.084	3.8	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	41.166	17.7	90	0.00
82	T	4-Chlorotoluene	50.000	42.963	14.1	93	0.00
83	T	tert-Butylbenzene	50.000	48.430	3.1	96	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.998	4.0	95	0.00
85	T	sec-Butylbenzene	50.000	48.358	3.3	96	0.00
86	T	p-Isopropyltoluene	50.000	50.101	-0.2	95	0.00
87	T	1,3-Dichlorobenzene	50.000	41.257	17.5	95	0.00
88	T	1,4-Dichlorobenzene	50.000	44.258	11.5	93	0.00
89	T	n-Butylbenzene	50.000	45.308	9.4	94	0.00
90	T	Hexachloroethane	50.000	42.991	14.0	94	0.00
91	T	1,2-Dichlorobenzene	50.000	42.427	15.1	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	37.326	25.3#	85	0.00
93	T	1,2,4-Trichlorobenzene	50.000	39.244	21.5	91	0.00
94	T	Hexachlorobutadiene	50.000	40.198	19.6	96	0.00
95	T	Naphthalene	50.000	40.303	19.4	87	0.00

Sample Results: **VN084645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084645.D
Acq On : 04 Nov 2024 09:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	39.793	20.4	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

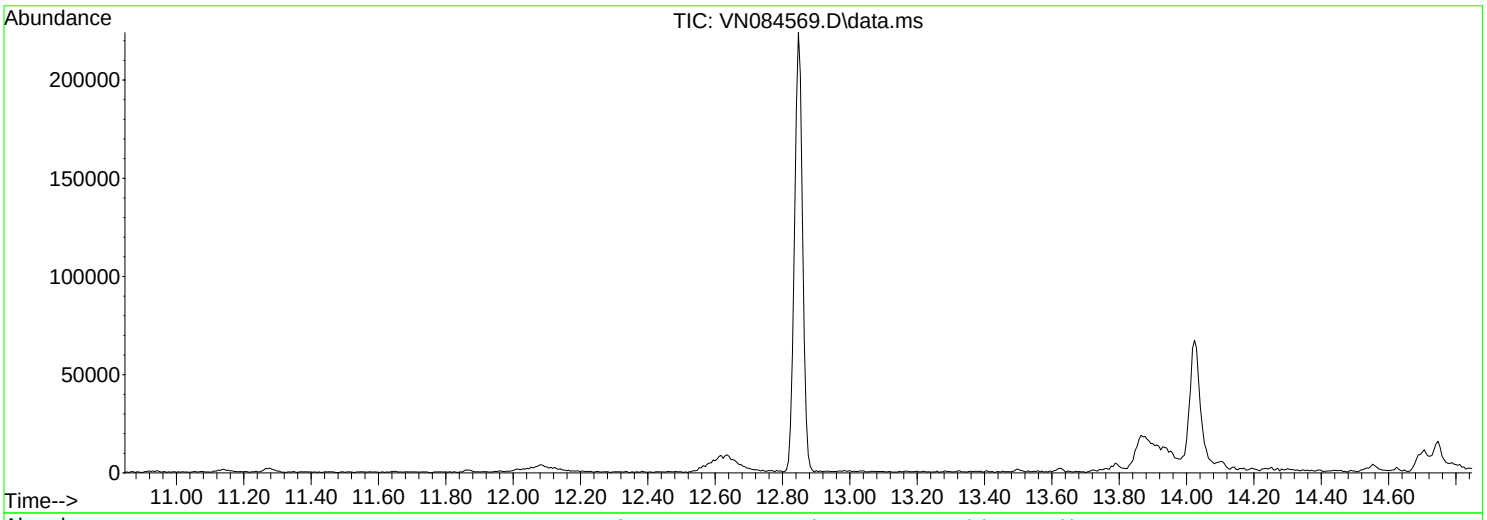
Sample Results: **VN084569.D**

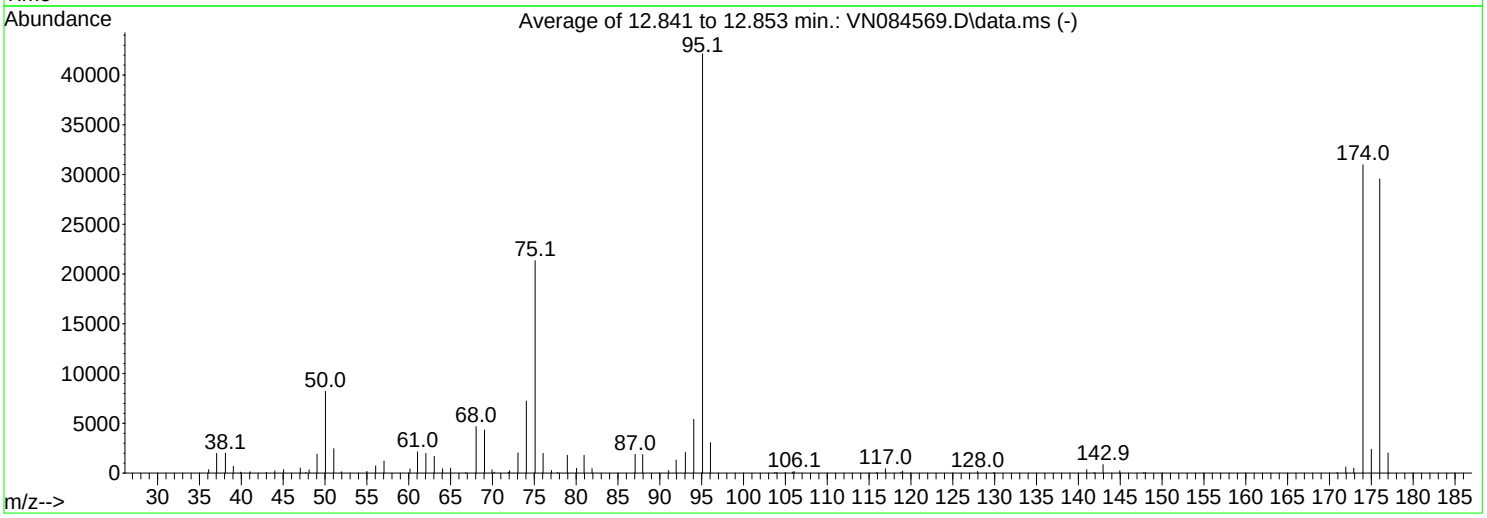
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084569.D
Acq On : 30 Oct 2024 10:42
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.5	8210	PASS
75	95	30	60	50.7	21357	PASS
95	95	100	100	100.0	42141	PASS
96	95	5	9	7.2	3053	PASS
173	174	0.00	2	1.6	502	PASS
174	95	50	100	73.5	30984	PASS
175	174	5	9	7.7	2392	PASS
176	174	95	101	95.4	29560	PASS
177	176	5	9	6.9	2026	PASS

Average of 12.841 to 12.853 min.: VN084569.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	359	48.10	321	63.05	1677	74.05	7235
37.05	1972	49.05	1905	64.05	441	75.10	21357
38.10	2004	50.05	8210	65.00	496	76.05	1981
39.05	674	51.05	2454	66.80	70	77.05	266
39.90	98	51.95	137	68.05	4674	77.80	63
41.05	129	55.00	174	69.05	4327	78.95	1789
43.00	58	56.05	724	69.95	329	80.05	481
44.00	211	57.05	1205	70.20	94	80.95	1784
45.05	351	60.15	415	71.90	82	81.90	450
47.05	515	61.05	2127	72.05	237	87.05	1893
47.70	66	62.05	1973	73.05	2035	87.95	1870

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN084569.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.05	256	115.90	54	148.00	75		
91.95	1316	116.95	438	170.90	52		
93.05	2070	118.80	90	171.95	607		
94.05	5401	119.00	202	172.90	502		
95.10	42141	127.95	162	174.00	30984		
96.05	3053	129.90	69	175.00	2392		
103.70	65	141.00	358	176.00	29560		
103.90	65	141.90	66	177.00	2026		
105.00	53	142.95	857				
105.85	107	144.95	228				
106.05	162	147.80	53				

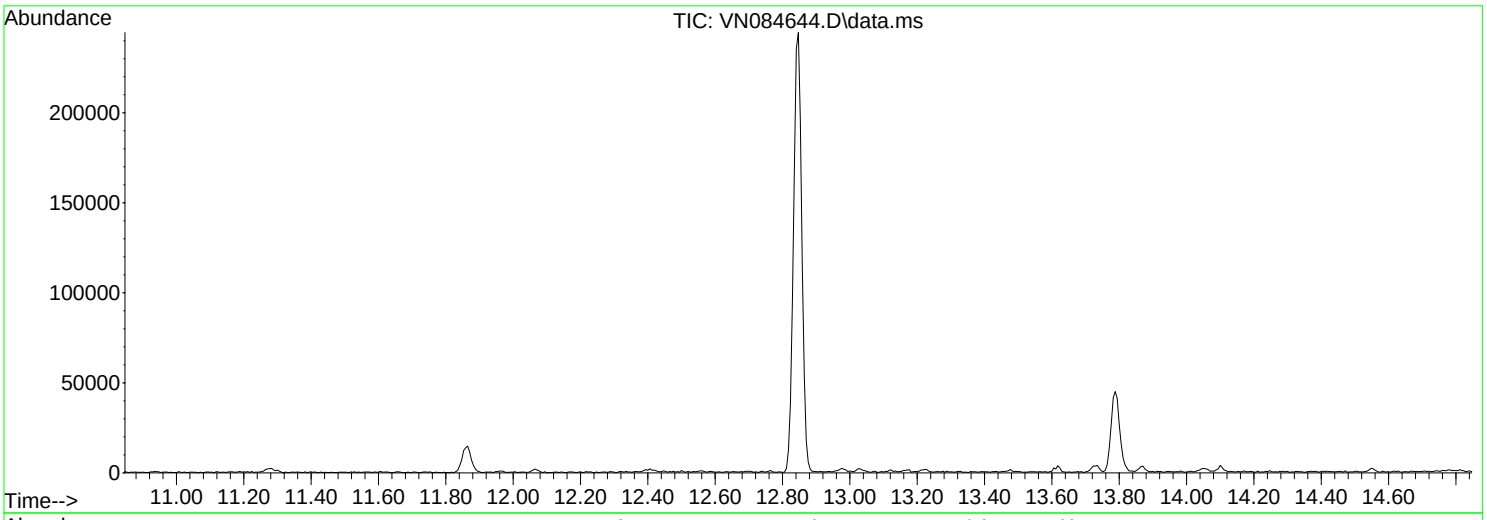
Sample Results: **VN084644.D**

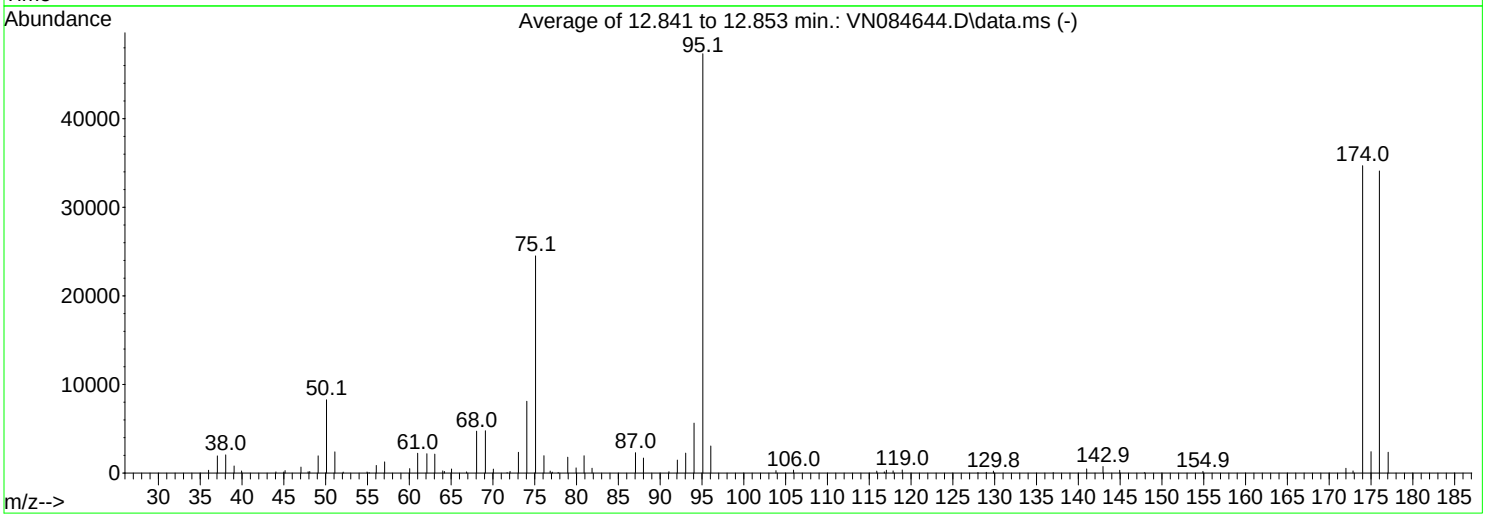
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084644.D
Acq On : 04 Nov 2024 08:22
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.5	8272	PASS
75	95	30	60	51.8	24517	PASS
95	95	100	100	100.0	47333	PASS
96	95	5	9	6.5	3055	PASS
173	174	0.00	2	0.7	242	PASS
174	95	50	100	73.3	34701	PASS
175	174	5	9	7.0	2415	PASS
176	174	95	101	98.3	34101	PASS
177	176	5	9	6.9	2355	PASS

Average of 12.841 to 12.853 min.: VN084644.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	323	49.10	1944	63.05	2138	74.05	8105
37.05	1940	50.10	8272	64.00	248	75.10	24517
38.05	2052	51.10	2396	64.20	178	76.10	1963
39.05	804	52.10	117	65.05	463	76.85	231
39.95	239	54.95	125	66.85	137	77.10	106
44.05	137	55.20	57	68.05	4730	77.80	79
45.00	124	56.05	860	69.10	4780	78.95	1793
45.15	281	57.05	1262	70.05	452	79.95	584
47.05	678	60.05	505	71.70	57	80.90	1956
47.90	144	61.00	2241	72.05	192	81.85	549
48.10	172	62.10	2185	73.05	2344	87.05	2305

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN084644.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
88.00	1699	117.05	324	154.90	195		
91.05	159	117.85	251	172.00	543		
92.05	1471	118.95	351	172.85	242		
93.05	2257	128.00	59	174.00	34701		
94.05	5638	129.00	88	175.00	2415		
95.10	47333	129.85	222	176.00	34101		
96.05	3055	137.00	51	177.05	2355		
103.85	276	141.00	467				
105.95	337	142.95	743				
115.90	220	144.95	322				
116.80	138	147.90	57				

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN1104WBL01	SDG No.:	P4660
Lab Sample ID:	VN1104WBL01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084647.D	1		11/04/24 10:38	VN110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	46.9		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		70 (77) - 130 (121)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	182000	8.218			
540-36-3	1,4-Difluorobenzene	316000	9.094			
3114-55-4	Chlorobenzene-d5	274000	11.859			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.788			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084647.D
Acq On : 04 Nov 2024 10:38
Operator : JC\MD
Sample : VN1104WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBL01

Quant Time: Nov 05 00:20:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	181983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	315820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	273716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129442	49.247	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.500%		
35) Dibromofluoromethane	8.159	113	106509	49.824	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.640%		
50) Toluene-d8	10.565	98	369131	46.876	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.760%		
62) 4-Bromofluorobenzene	12.847	95	132801	45.124	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.240%		
Target Compounds						Qvalue

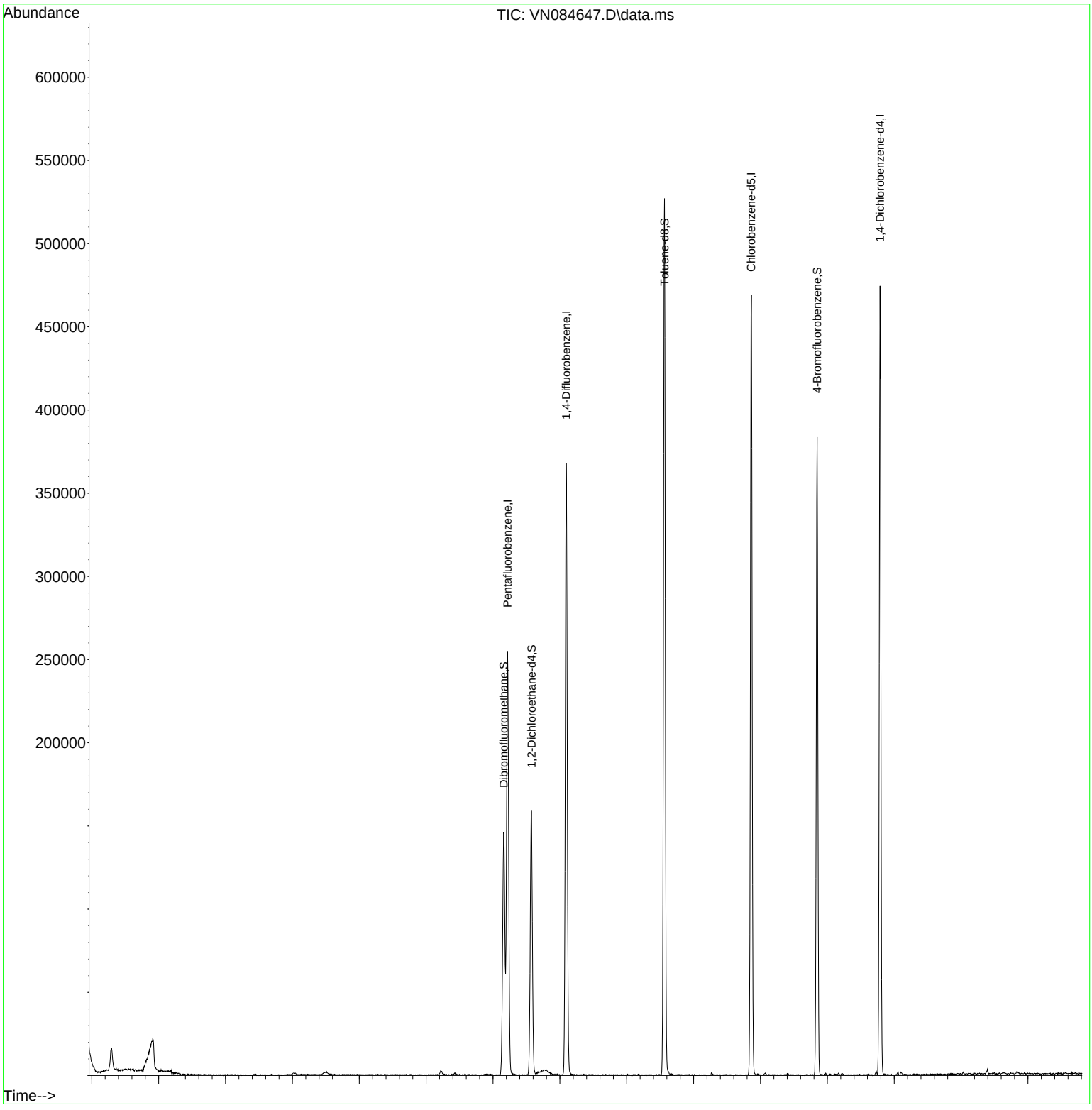
(#) = qualifier out of range (m) = manual integration (+) = signals summed

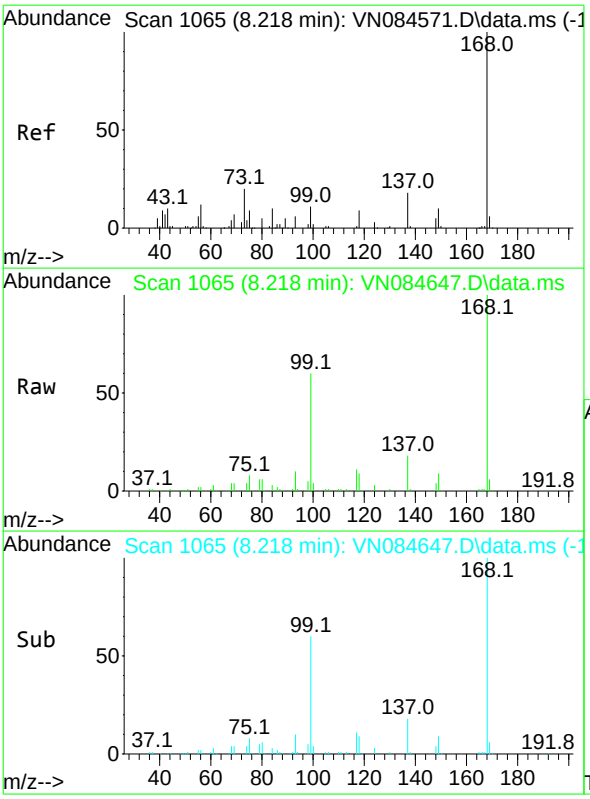
Sample Results: **VN084647.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084647.D
Acq On : 04 Nov 2024 10:38
Operator : JC\MD
Sample : VN1104WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBL01

Quant Time: Nov 05 00:20:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



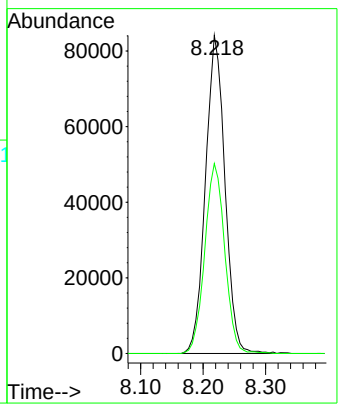


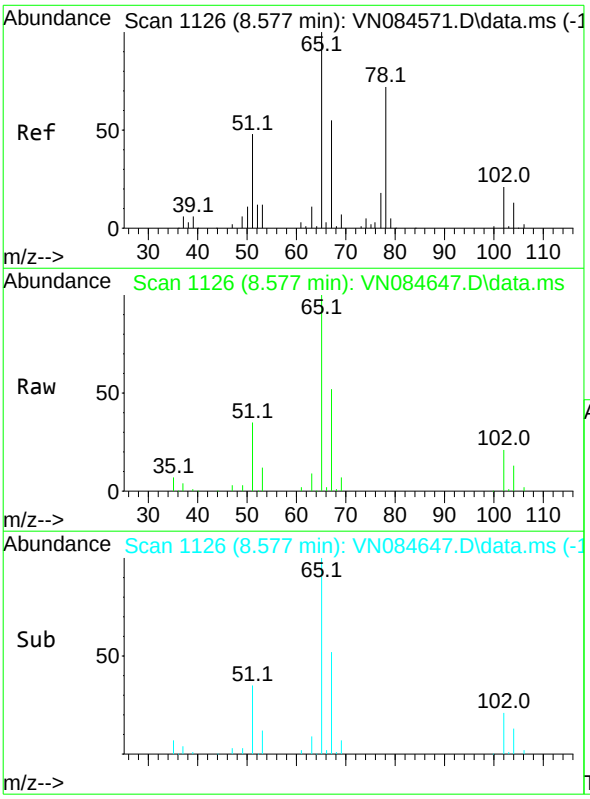
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084647.D
Acq: 04 Nov 2024 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBL01

Tgt Ion:168 Resp: 181983

Ion	Ratio	Lower	Upper
168	100		
99	59.7	54.2	81.2

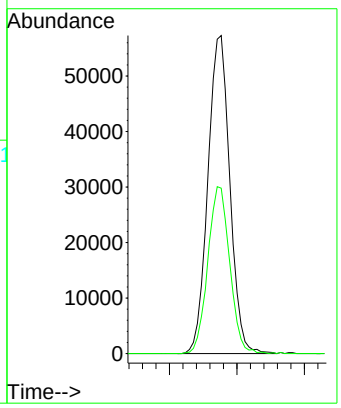


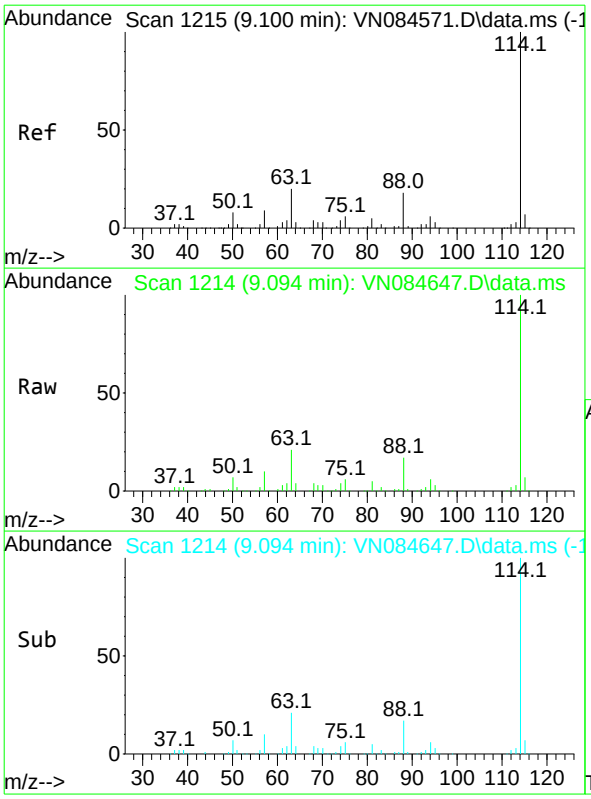


#33
1,2-Dichloroethane-d4
Concen: 49.247 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084647.D
Acq: 04 Nov 2024 10:38

Tgt Ion: 65 Resp: 129442

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	102.0



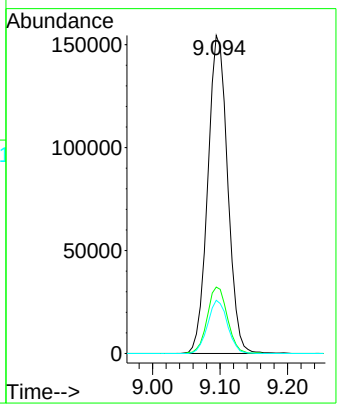


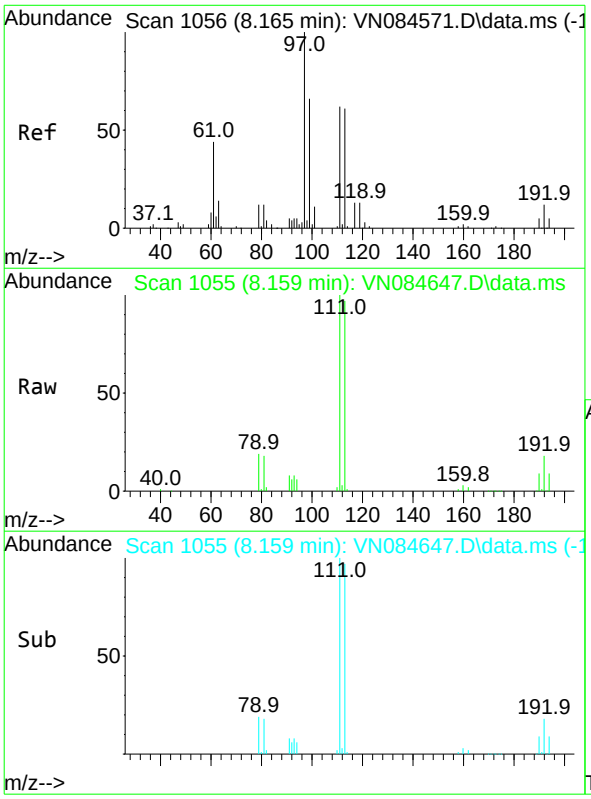
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084647.D
Acq: 04 Nov 2024 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBL01

Tgt Ion:114 Resp: 315820

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.8
88	16.7	0.0	31.6

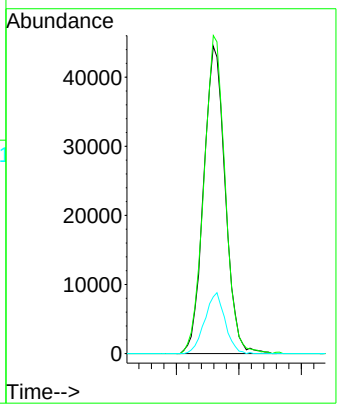


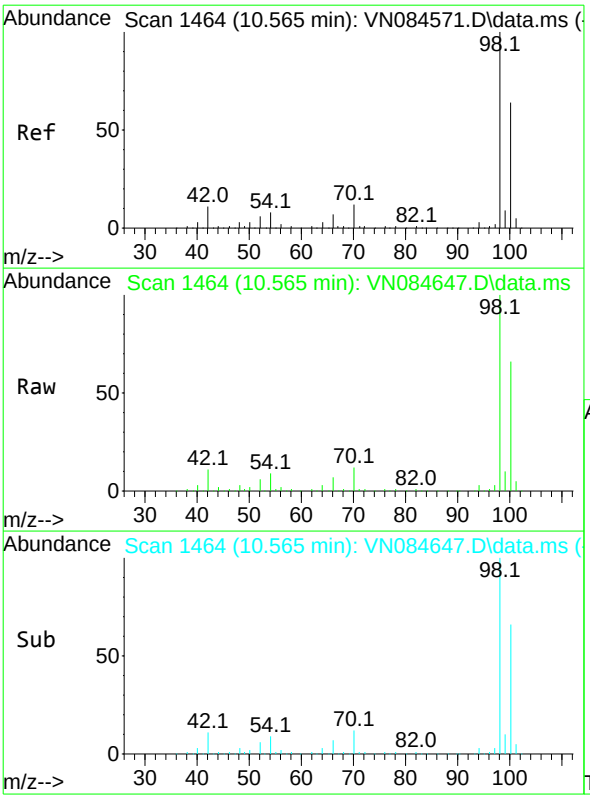


#35
Dibromofluoromethane
Concen: 49.824 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084647.D
Acq: 04 Nov 2024 10:38

Tgt Ion:113 Resp: 106509

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.3	124.9
192	18.7	13.5	20.3



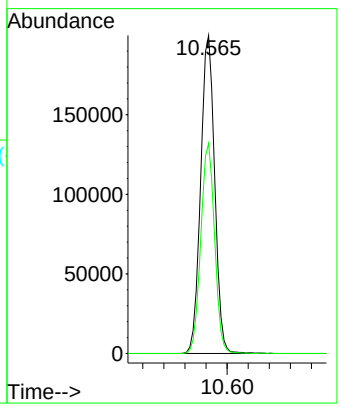


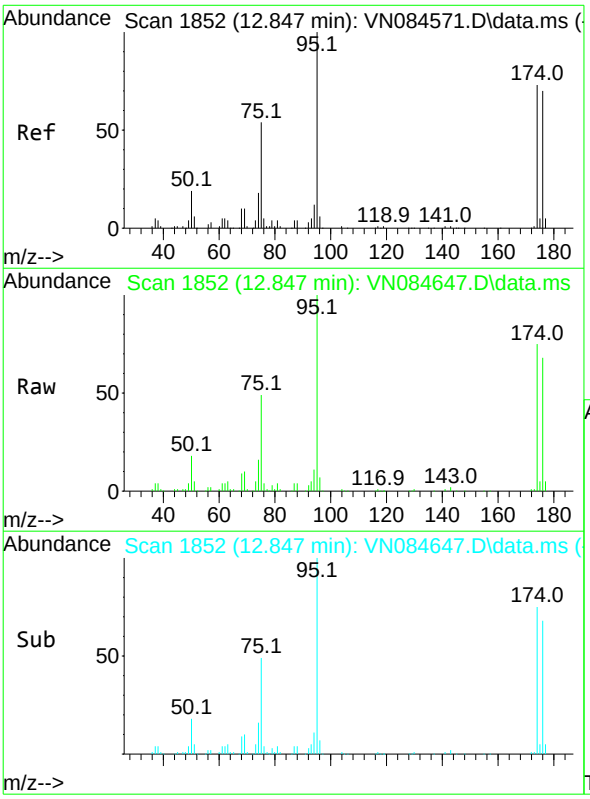
#50
Toluene-d8
Concen: 46.876 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084647.D
Acq: 04 Nov 2024 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBL01

Tgt Ion: 98 Resp: 369131

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1

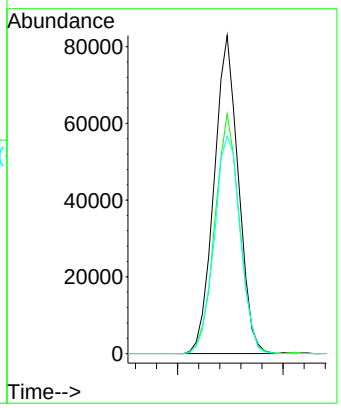


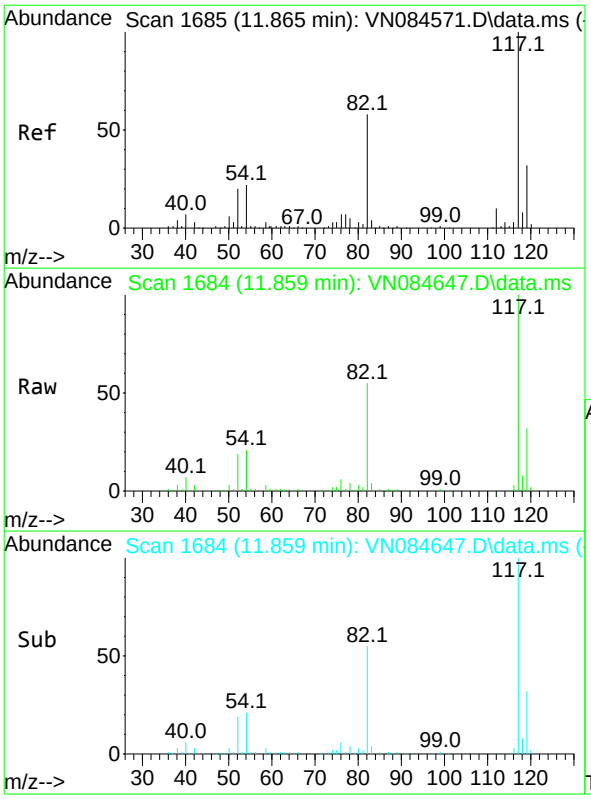


#62
4-Bromofluorobenzene
Concen: 45.124 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084647.D
Acq: 04 Nov 2024 10:38

Tgt Ion: 95 Resp: 132801

Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	145.2
176	73.2	0.0	140.0



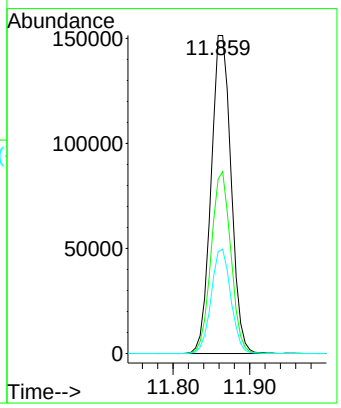


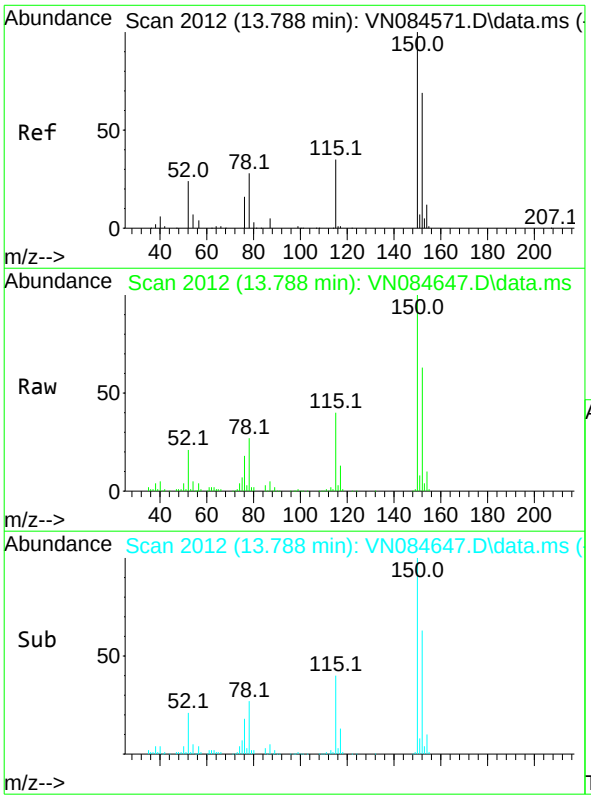
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 16
Delta R.T. -0.006 min
Lab File: VN084647.D
Acq: 04 Nov 2024 10:38

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBL01

Tgt Ion:117 Resp: 273716

Ion	Ratio	Lower	Upper
117	100		
82	54.9	47.2	70.8
119	32.0	25.4	38.0

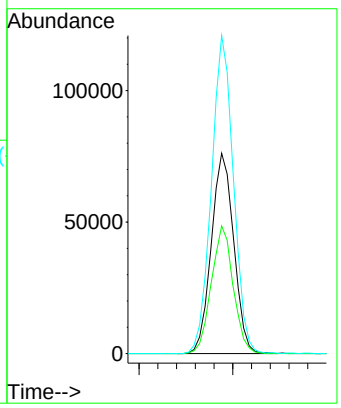




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084647.D
Acq: 04 Nov 2024 10:38

Tgt Ion:152 Resp: 126703

Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.3	93.9
150	155.8	0.0	349.8



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN1104WBS01	SDG No.:	P4660
Lab Sample ID:	VN1104WBS01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084648.D	1		11/04/24 11:14	VN110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.1		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.26	1.00	ug/L
78-93-3	2-Butanone	93.0		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	1.00	ug/L
67-66-3	Chloroform	18.6		0.26	1.00	ug/L
71-43-2	Benzene	18.3		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.2		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	17.9		0.25	1.00	ug/L
108-90-7	Chlorobenzene	17.3		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	191000	8.218			
540-36-3	1,4-Difluorobenzene	316000	9.094			
3114-55-4	Chlorobenzene-d5	287000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.788			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084648.D
Acq On : 04 Nov 2024 11:14
Operator : JC\MD
Sample : VN1104WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 00:21:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	191080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	315901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	156261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	130175	47.168	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.340%			
35) Dibromofluoromethane	8.159	113	106103	49.621	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.240%			
50) Toluene-d8	10.565	98	391390	49.690	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.380%			
62) 4-Bromofluorobenzene	12.847	95	151409	51.434	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	39789	18.114	ug/l	95
3) Chloromethane	2.359	50	44221	15.413	ug/l	96
4) Vinyl Chloride	2.512	62	42798	18.115	ug/l	100
5) Bromomethane	2.901	94	20869	16.672	ug/l	94
6) Chloroethane	3.077	64	27477	17.893	ug/l	97
7) Trichlorofluoromethane	3.477	101	70723	18.172	ug/l	100
8) Diethyl Ether	3.953	74	24717	18.004	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	40466	18.401	ug/l	96
10) Methyl Iodide	4.571	142	52886	17.994	ug/l	96
11) Tert butyl alcohol	5.536	59	30305	83.189	ug/l	100
12) 1,1-Dichloroethene	4.330	96	38098	17.508	ug/l	97
13) Acrolein	4.165	56	29875	82.241	ug/l	100
14) Allyl chloride	5.012	41	63295	17.936	ug/l	91
15) Acrylonitrile	5.712	53	97091	92.064	ug/l	97
16) Acetone	4.424	43	71493	87.828	ug/l	95
17) Carbon Disulfide	4.700	76	106260	15.857	ug/l	100
18) Methyl Acetate	5.018	43	51318	14.813	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	123248	18.479	ug/l	99
20) Methylene Chloride	5.271	84	43538	17.937	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	39019	17.463	ug/l	95
22) Diisopropyl ether	6.665	45	133028	18.971	ug/l	98
23) Vinyl Acetate	6.595	43	449285	92.912	ug/l	99
24) 1,1-Dichloroethane	6.559	63	77131	18.322	ug/l	99
25) 2-Butanone	7.483	43	119790	93.037	ug/l	95
26) 2,2-Dichloropropane	7.483	77	70539	19.251	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	47397	18.167	ug/l	96
28) Bromochloromethane	7.812	49	37553	22.390	ug/l	93
29) Tetrahydrofuran	7.841	42	77948	91.254	ug/l	94
30) Chloroform	7.959	83	79629	18.584	ug/l	98
31) Cyclohexane	8.247	56	64423	16.908	ug/l	99
32) 1,1,1-Trichloroethane	8.159	97	73122	18.749	ug/l	94
36) 1,1-Dichloropropene	8.365	75	53540	18.054	ug/l	98
37) Ethyl Acetate	7.559	43	51349	19.085	ug/l	99
38) Carbon Tetrachloride	8.359	117	62978	19.000	ug/l	99
39) Methylcyclohexane	9.594	83	56698	18.794	ug/l	97
40) Benzene	8.600	78	174353	18.307	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084648.D
Acq On : 04 Nov 2024 11:14
Operator : JC\MD
Sample : VN1104WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 00:21:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	27332	18.890 ug/l		95
42) 1,2-Dichloroethane	8.665	62	58090	18.834 ug/l		97
43) Isopropyl Acetate	8.688	43	86870	16.836 ug/l		98
44) Trichloroethene	9.347	130	39929	18.179 ug/l		96
45) 1,2-Dichloropropane	9.612	63	41438	18.548 ug/l		100
46) Dibromomethane	9.706	93	29800	18.903 ug/l		97
47) Bromodichloromethane	9.883	83	62570	18.829 ug/l	#	98
48) Methyl methacrylate	9.677	41	38196	18.241 ug/l		95
49) 1,4-Dioxane	9.700	88	14014	377.662 ug/l	#	80
51) 4-Methyl-2-Pentanone	10.441	43	248687	96.956 ug/l		99
52) Toluene	10.630	92	107703	19.337 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	61222	17.799 ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	68248	18.747 ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	40213	19.166 ug/l		95
56) Ethyl methacrylate	10.871	69	59437	19.585 ug/l		94
57) 1,3-Dichloropropane	11.159	76	68410	18.998 ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	148432	104.522 ug/l		96
59) 2-Hexanone	11.194	43	184212	98.668 ug/l		99
60) Dibromochloromethane	11.353	129	45876	19.185 ug/l		98
61) 1,2-Dibromoethane	11.471	107	39882	18.562 ug/l		98
64) Tetrachloroethene	11.100	164	34250	17.941 ug/l		92
65) Chlorobenzene	11.888	112	110901	17.272 ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	40532	18.148 ug/l		99
67) Ethyl Benzene	11.959	91	191656	17.882 ug/l		99
68) m/p-Xylenes	12.071	106	144627	35.643 ug/l		99
69) o-Xylene	12.400	106	69963	18.431 ug/l		99
70) Styrene	12.406	104	120335	18.173 ug/l		98
71) Bromoform	12.571	173	30982	18.436 ug/l	#	99
73) Isopropylbenzene	12.694	105	176771	16.143 ug/l		100
74) N-amyl acetate	12.488	43	73645	15.801 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	57318	15.682 ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	52444m	16.790 ug/l		
77) Bromobenzene	12.976	156	45344	15.403 ug/l		94
78) n-propylbenzene	13.035	91	203498	15.859 ug/l		98
79) 2-Chlorotoluene	13.123	91	135260	16.132 ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	152887	16.845 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	20032	15.215 ug/l		94
82) 4-Chlorotoluene	13.218	91	134669	15.262 ug/l		99
83) tert-Butylbenzene	13.435	119	124820	16.617 ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	153633	16.401 ug/l		100
85) sec-Butylbenzene	13.612	105	173097	16.314 ug/l		100
86) p-Isopropyltoluene	13.723	119	144135	16.564 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	86180	15.001 ug/l		96
88) 1,4-Dichlorobenzene	13.806	146	85087	15.401 ug/l		98
89) n-Butylbenzene	14.053	91	120611	14.817 ug/l		99
90) Hexachloroethane	14.329	117	29915	15.416 ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	83509	15.127 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10795	14.579 ug/l		93
93) 1,2,4-Trichlorobenzene	15.388	180	40632	13.447 ug/l		99
94) Hexachlorobutadiene	15.494	225	18603	14.019 ug/l		98
95) Naphthalene	15.635	128	123550	13.660 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	39717	13.540 ug/l		98

Sample Results: **VN084648.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084648.D
Acq On : 04 Nov 2024 11:14
Operator : JC\MD
Sample : VN1104WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 00:21:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VN084648.D**

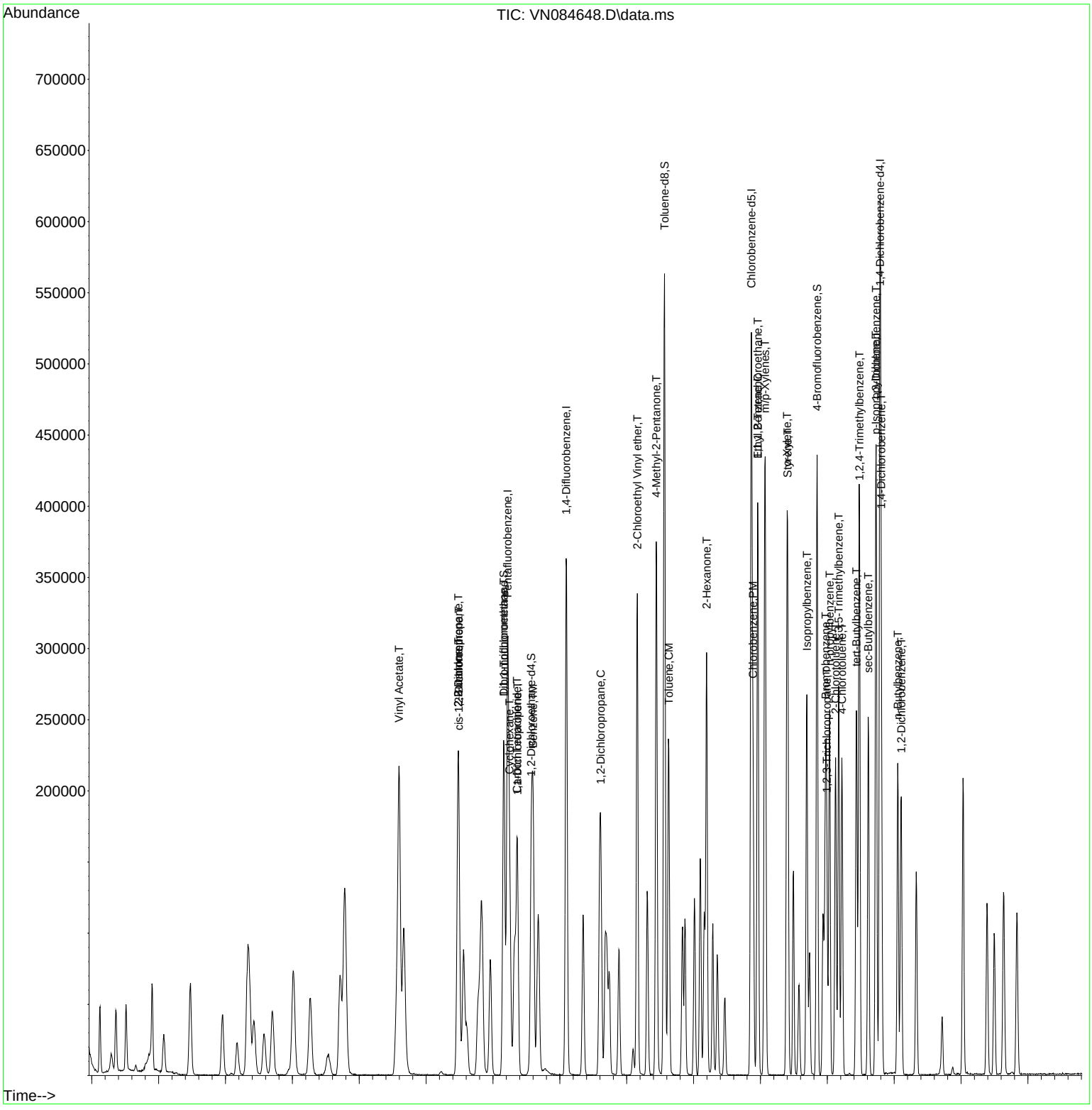
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084648.D
Acq On : 04 Nov 2024 11:14
Operator : JC\MD
Sample : VN1104WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 00:21:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024



Raw Data: **VN084649.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN1104WBSD01	SDG No.:	P4660
Lab Sample ID:	VN1104WBSD01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084649.D	1		11/04/24 11:38	VN110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.6		0.34	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.0		0.26	1.00	ug/L
78-93-3	2-Butanone	99.4		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	1.00	ug/L
67-66-3	Chloroform	19.8		0.26	1.00	ug/L
71-43-2	Benzene	19.1		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.7		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.32	1.00	ug/L
127-18-4	Tetrachloroethene	19.4		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.13	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.1		70 (74) - 130 (125)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180000	8.218			
540-36-3	1,4-Difluorobenzene	302000	9.1			
3114-55-4	Chlorobenzene-d5	269000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	134000	13.788			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VN084649.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084649.D
Acq On : 04 Nov 2024 11:38
Operator : JC\MD
Sample : VN1104WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 00:22:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	179675	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	301837	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	269118	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	133565	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	124745	48.069	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.140%				
35) Dibromofluoromethane	8.165	113	98169	48.050	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.100%				
50) Toluene-d8	10.565	98	368818	49.006	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.020%				
62) 4-Bromofluorobenzene	12.847	95	134644	47.870	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.740%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.118	85	37258	18.038	ug/l		96
3) Chloromethane	2.359	50	43435	16.218	ug/l		97
4) Vinyl Chloride	2.512	62	41327	18.603	ug/l		99
5) Bromomethane	2.900	94	21391	18.173	ug/l		95
6) Chloroethane	3.077	64	27236	18.939	ug/l		91
7) Trichlorofluoromethane	3.471	101	67928	18.562	ug/l		94
8) Diethyl Ether	3.953	74	24235	18.773	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.353	101	40891	19.775	ug/l		98
10) Methyl Iodide	4.583	142	52720	19.076	ug/l	#	97
11) Tert butyl alcohol	5.530	59	31680	92.483	ug/l	#	92
12) 1,1-Dichloroethene	4.324	96	36851	18.010	ug/l		96
13) Acrolein	4.171	56	30978	90.691	ug/l		100
14) Allyl chloride	5.012	41	61350	18.488	ug/l		92
15) Acrylonitrile	5.718	53	97563	98.383	ug/l		98
16) Acetone	4.424	43	74720	97.941	ug/l		91
17) Carbon Disulfide	4.700	76	104247	16.544	ug/l		99
18) Methyl Acetate	5.018	43	52700	16.577	ug/l		99
19) Methyl tert-butyl Ether	5.789	73	124721	19.887	ug/l		100
20) Methylene Chloride	5.271	84	43048	18.860	ug/l		89
21) trans-1,2-Dichloroethene	5.783	96	38799	18.467	ug/l		93
22) Diisopropyl ether	6.665	45	130692	19.821	ug/l		97
23) Vinyl Acetate	6.594	43	448480	98.633	ug/l		98
24) 1,1-Dichloroethane	6.559	63	75985	19.195	ug/l		96
25) 2-Butanone	7.483	43	120370	99.421	ug/l		97
26) 2,2-Dichloropropane	7.483	77	66184	19.209	ug/l		97
27) cis-1,2-Dichloroethene	7.483	96	46525	18.965	ug/l		97
28) Bromochloromethane	7.812	49	36439	23.104	ug/l		91
29) Tetrahydrofuran	7.835	42	76447	95.178	ug/l		93
30) Chloroform	7.959	83	79867	19.822	ug/l		94
31) Cyclohexane	8.253	56	66769	18.636	ug/l		95
32) 1,1,1-Trichloroethane	8.165	97	70252	19.157	ug/l		96
36) 1,1-Dichloropropene	8.365	75	52081	18.381	ug/l		100
37) Ethyl Acetate	7.553	43	52105	20.268	ug/l		99
38) Carbon Tetrachloride	8.359	117	60684	19.161	ug/l		93
39) Methylcyclohexane	9.594	83	54540	18.921	ug/l		99
40) Benzene	8.600	78	173565	19.074	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084649.D
Acq On : 04 Nov 2024 11:38
Operator : JC\MD
Sample : VN1104WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 00:22:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	27214	19.685 ug/l	95
42) 1,2-Dichloroethane	8.665	62	57910	19.650 ug/l	99
43) Isopropyl Acetate	8.688	43	89019	18.128 ug/l	98
44) Trichloroethene	9.347	130	39303	18.728 ug/l	94
45) 1,2-Dichloropropane	9.618	63	42639	19.975 ug/l	100
46) Dibromomethane	9.706	93	29954	19.887 ug/l	97
47) Bromodichloromethane	9.882	83	62344	19.636 ug/l #	98
48) Methyl methacrylate	9.676	41	39444	19.714 ug/l	96
49) 1,4-Dioxane	9.694	88	14657	413.395 ug/l #	82
51) 4-Methyl-2-Pentanone	10.441	43	250510	102.218 ug/l	99
52) Toluene	10.629	92	106132	19.942 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	61366	18.672 ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	67066	19.280 ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	40758	20.331 ug/l	93
56) Ethyl methacrylate	10.871	69	60650	20.916 ug/l	95
57) 1,3-Dichloropropane	11.159	76	68306	19.853 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	151880	111.934 ug/l	98
59) 2-Hexanone	11.194	43	183335	102.774 ug/l	97
60) Dibromochloromethane	11.359	129	45901	20.090 ug/l	98
61) 1,2-Dibromoethane	11.465	107	41018	19.981 ug/l	98
64) Tetrachloroethene	11.100	164	34644	19.353 ug/l	98
65) Chlorobenzene	11.888	112	114445	19.009 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	42079	20.093 ug/l	98
67) Ethyl Benzene	11.959	91	189853	18.891 ug/l	99
68) m/p-Xylenes	12.070	106	146092	38.398 ug/l	99
69) o-Xylene	12.394	106	71521	20.095 ug/l	99
70) Styrene	12.406	104	122247	19.689 ug/l	98
71) Bromoform	12.576	173	31711	20.124 ug/l #	100
73) Isopropylbenzene	12.694	105	177270	18.939 ug/l	99
74) N-amyl acetate	12.494	43	73844	18.536 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	57427	18.381 ug/l	96
76) 1,2,3-Trichloropropane	12.988	75	47309m	17.719 ug/l	
77) Bromobenzene	12.976	156	46627	18.531 ug/l	91
78) n-propylbenzene	13.035	91	205965	18.778 ug/l	99
79) 2-Chlorotoluene	13.123	91	134821	18.812 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	156768	20.208 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	20987m	18.648 ug/l	
82) 4-Chlorotoluene	13.217	91	134655	17.853 ug/l	98
83) tert-Butylbenzene	13.435	119	127633	19.879 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	157397	19.658 ug/l	98
85) sec-Butylbenzene	13.612	105	174353	19.225 ug/l	100
86) p-Isopropyltoluene	13.729	119	144995	19.494 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	85264	17.363 ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	85299	18.226 ug/l	99
89) n-Butylbenzene	14.053	91	121690	17.490 ug/l	99
90) Hexachloroethane	14.329	117	30030	18.104 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	83166	17.624 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10979	17.347 ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	40969	15.862 ug/l	97
94) Hexachlorobutadiene	15.494	225	18798	16.573 ug/l	99
95) Naphthalene	15.635	128	125207	16.196 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	40529	16.165 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084649.D
Acq On : 04 Nov 2024 11:38
Operator : JC\MD
Sample : VN1104WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 00:22:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

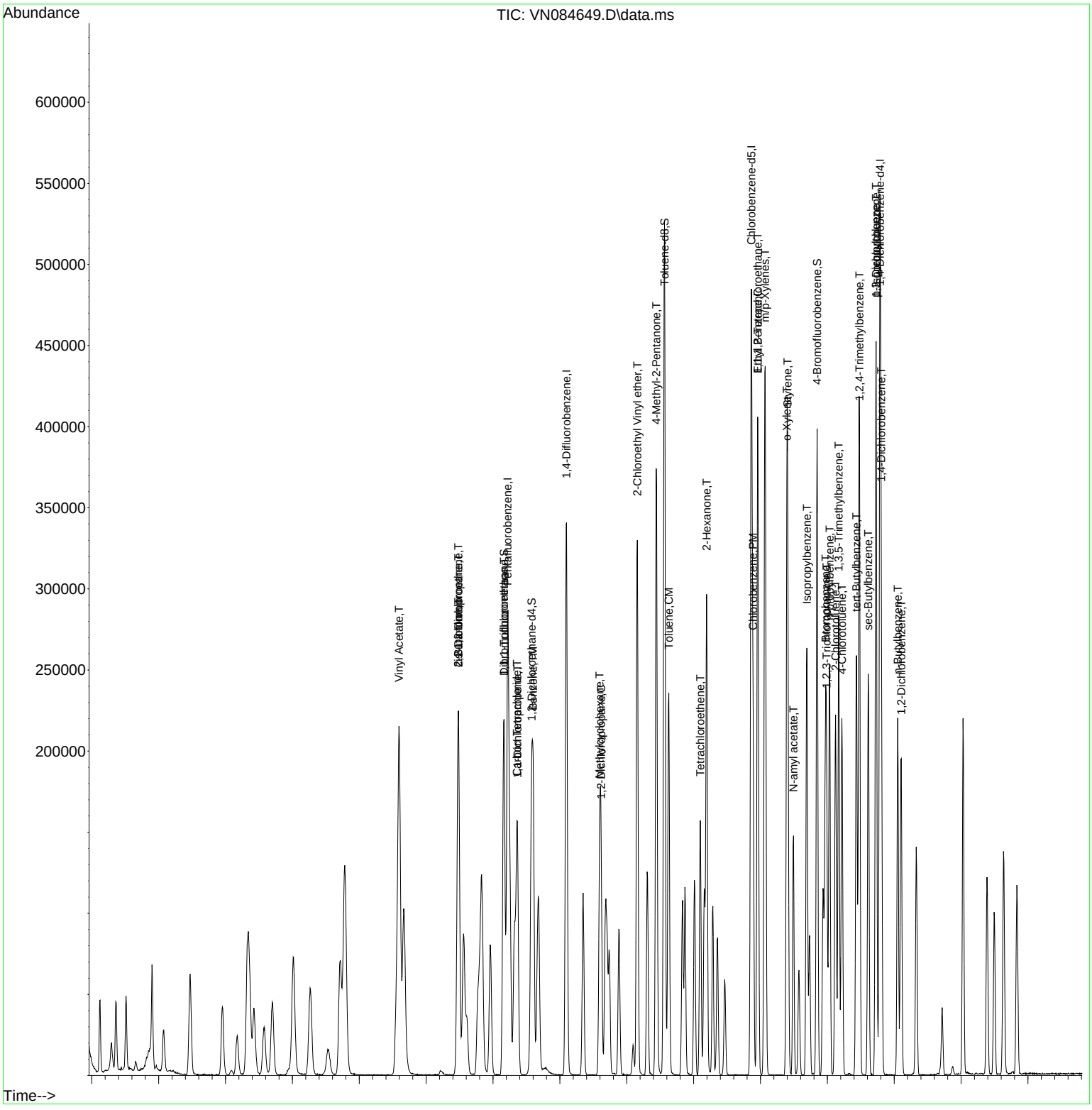
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
Data File : VN084649.D
Acq On : 04 Nov 2024 11:38
Operator : JC\MD
Sample : VN1104WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 05 00:22:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1104WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2024
Supervised By :Mahesh Dadoda 11/05/2024



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084570.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:14 AM	MMDadoda	11/4/2024 1:18:00 AM	Peak Integrated by Software
VSTDICCC050	VN084571.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:15 AM	MMDadoda	11/4/2024 1:18:01 AM	Peak Integrated by Software
VSTDICC020	VN084572.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:16 AM	MMDadoda	11/4/2024 1:18:03 AM	Peak Integrated by Software
VSTDICC010	VN084573.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:17 AM	MMDadoda	11/4/2024 1:18:04 AM	Peak Integrated by Software
VSTDICC005	VN084574.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:20 AM	MMDadoda	11/4/2024 1:18:05 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,4-Dichlorobenzene	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Acetone	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Diethyl Ether	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICV050	VN084577.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:23 AM	MMDadoda	11/4/2024 1:18:09 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	trans-1,4-Dichloro-2-but ene	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VN110424	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084645.D	1,2,3-Trichloropropane	SAM	11/5/2024 11:27:52 AM	MMDadoda	11/5/2024 12:49:35 PM	Peak Integrated by Software
VN1104WBS01	VN084648.D	1,2,3-Trichloropropane	SAM	11/5/2024 11:27:52 AM	MMDadoda	11/5/2024 12:49:36 PM	Peak Integrated by Software
VN1104WBSD01	VN084649.D	1,2,3-Trichloropropane	SAM	11/5/2024 11:27:53 AM	MMDadoda	11/5/2024 12:49:37 PM	Peak Integrated by Software
VN1104WBSD01	VN084649.D	trans-1,4-Dichloro-2-butene	SAM	11/5/2024 11:27:53 AM	MMDadoda	11/5/2024 12:49:37 PM	Peak Integrated by Software
VSTDCCC050	VN084671.D	1,2,3-Trichloropropane	SAM	11/5/2024 11:27:55 AM	MMDadoda	11/5/2024 12:49:39 PM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N		HP Processing Method	82n103024w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084569.D	30 Oct 2024 10:42	JC\MD	Ok
2	VSTDICC100	VN084570.D	30 Oct 2024 11:46	JC\MD	Ok,M
3	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	JC\MD	Ok,M
4	VSTDICC020	VN084572.D	30 Oct 2024 12:33	JC\MD	Ok,M
5	VSTDICC010	VN084573.D	30 Oct 2024 12:57	JC\MD	Ok,M
6	VSTDICC005	VN084574.D	30 Oct 2024 13:21	JC\MD	Ok,M
7	VSTDICC001	VN084575.D	30 Oct 2024 13:45	JC\MD	Ok,M
8	VIBLK	VN084576.D	30 Oct 2024 14:42	JC\MD	Ok
9	VSTDICV050	VN084577.D	30 Oct 2024 15:06	JC\MD	Ok,M
10	BFB	VN084578.D	30 Oct 2024 19:24	JC\MD	Ok
11	VSTDCCC050	VN084579.D	30 Oct 2024 20:12	JC\MD	Ok,M
12	VN1030MBL01	VN084580.D	30 Oct 2024 20:48	JC\MD	Ok
13	VN1030WBL01	VN084581.D	30 Oct 2024 21:12	JC\MD	Ok
14	VN1030WBS01	VN084582.D	30 Oct 2024 21:46	JC\MD	Ok,M
15	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10	JC\MD	Ok,M
16	P4594-04	VN084584.D	30 Oct 2024 22:34	JC\MD	Ok,M
17	P4594-08	VN084585.D	30 Oct 2024 22:58	JC\MD	Ok
18	P4594-12	VN084586.D	30 Oct 2024 23:22	JC\MD	Ok
19	P4594-16	VN084587.D	30 Oct 2024 23:46	JC\MD	Ok
20	P4594-20	VN084588.D	31 Oct 2024 00:09	JC\MD	Ok
21	P4597-03	VN084589.D	31 Oct 2024 00:34	JC\MD	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4597-06	VN084590.D	31 Oct 2024 00:57	JC\MD	Ok,M
23	P4597-09	VN084591.D	31 Oct 2024 01:21	JC\MD	Ok
24	P4597-12	VN084592.D	31 Oct 2024 01:45	JC\MD	Ok,M
25	P4598-04	VN084593.D	31 Oct 2024 02:09	JC\MD	Ok
26	P4598-08	VN084594.D	31 Oct 2024 02:33	JC\MD	Ok
27	P4598-12	VN084595.D	31 Oct 2024 02:57	JC\MD	Ok
28	P4611-03	VN084596.D	31 Oct 2024 03:21	JC\MD	Ok
29	P4611-06	VN084597.D	31 Oct 2024 03:45	JC\MD	Ok
30	P4611-09	VN084598.D	31 Oct 2024 04:09	JC\MD	Ok
31	P4611-12	VN084599.D	31 Oct 2024 04:33	JC\MD	Ok
32	P4611-15	VN084600.D	31 Oct 2024 04:57	JC\MD	Ok
33	P4611-18	VN084601.D	31 Oct 2024 05:21	JC\MD	Ok
34	P4612-04	VN084602.D	31 Oct 2024 05:45	JC\MD	Ok
35	P4613-02	VN084603.D	31 Oct 2024 06:09	JC\MD	Ok
36	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	JC\MD	Ok,M
37	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	JC\MD	Ok,M
38	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	JC\MD	Ok,M
39	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	JC\MD	Ok
40	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	JC\MD	Ok,M
41	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	JC\MD	Ok,M
42	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	JC\MD	Ok,M
43	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	JC\MD	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN110424

Review By	Semsettin Yesilyurt	Review On	11/5/2024 11:27:56 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/5/2024 12:49:44 PM				
SubDirectory	VN110424	HP Acquire Method	MSVOA_N		HP Processing Method	82n103024w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP131254
Initial Calibration Stds	
CCC	VP131256,VP131258
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084644.D	04 Nov 2024 08:22	JC\MD	Ok
2	VSTDCCC050	VN084645.D	04 Nov 2024 09:32	JC\MD	Ok,M
3	VN1104MBL01	VN084646.D	04 Nov 2024 10:14	JC\MD	Ok
4	VN1104WBL01	VN084647.D	04 Nov 2024 10:38	JC\MD	Ok
5	VN1104WBS01	VN084648.D	04 Nov 2024 11:14	JC\MD	Ok,M
6	VN1104WBSD01	VN084649.D	04 Nov 2024 11:38	JC\MD	Ok,M
7	VIBLK	VN084650.D	04 Nov 2024 12:14	JC\MD	Ok
8	PB164619TB	VN084651.D	04 Nov 2024 12:40	JC\MD	Ok
9	P4643-04	VN084652.D	04 Nov 2024 13:05	JC\MD	Ok
10	P4643-08	VN084653.D	04 Nov 2024 13:29	JC\MD	Ok
11	P4643-12	VN084654.D	04 Nov 2024 13:53	JC\MD	Ok
12	P4645-04	VN084655.D	04 Nov 2024 14:17	JC\MD	Ok
13	P4659-04	VN084656.D	04 Nov 2024 14:41	JC\MD	Ok
14	P4660-01	VN084657.D	04 Nov 2024 15:05	JC\MD	Ok
15	P4660-03	VN084658.D	04 Nov 2024 15:29	JC\MD	Ok
16	P4660-05	VN084659.D	04 Nov 2024 15:53	JC\MD	Ok
17	P4660-07	VN084660.D	04 Nov 2024 16:17	JC\MD	Ok
18	P4660-09	VN084661.D	04 Nov 2024 16:41	JC\MD	Ok
19	P4660-11	VN084662.D	04 Nov 2024 17:05	JC\MD	Ok
20	P4667-04	VN084663.D	04 Nov 2024 17:29	JC\MD	Ok
21	P4667-08	VN084664.D	04 Nov 2024 17:53	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN110424

Review By	Semsettin Yesilyurt	Review On	11/5/2024 11:27:56 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/5/2024 12:49:44 PM				
SubDirectory	VN110424	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131254
Initial Calibration Stds	
CCC	VP131256,VP131258
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4667-12	VN084665.D	04 Nov 2024 18:18	JC\MD	Ok
23	P4667-16	VN084666.D	04 Nov 2024 18:42	JC\MD	Ok
24	P4679-04	VN084667.D	04 Nov 2024 19:06	JC\MD	Ok
25	P4680-04	VN084668.D	04 Nov 2024 19:30	JC\MD	Ok
26	P4680-08	VN084669.D	04 Nov 2024 19:54	JC\MD	Ok
27	P4682-02	VN084670.D	04 Nov 2024 20:18	JC\MD	Ok
28	VSTDCCC050	VN084671.D	04 Nov 2024 20:42	JC\MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084569.D	30 Oct 2024 10:42		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN084570.D	30 Oct 2024 11:46	Comp #03 fail for %D	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	LR-03,06,16,18,43	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN084572.D	30 Oct 2024 12:33	QR-88	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN084573.D	30 Oct 2024 12:57		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN084574.D	30 Oct 2024 13:21		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN084575.D	30 Oct 2024 13:45		JC\MD	Ok,M
8	VIBLK	VIBLK	VN084576.D	30 Oct 2024 14:42		JC\MD	Ok
9	VSTDICV050	ICVVN103024	VN084577.D	30 Oct 2024 15:06		JC\MD	Ok,M
10	BFB	BFB	VN084578.D	30 Oct 2024 19:24		JC\MD	Ok
11	VSTDCCC050	VSTDCCC050	VN084579.D	30 Oct 2024 20:12		JC\MD	Ok,M
12	VN1030MBL01	VN1030MBL01	VN084580.D	30 Oct 2024 20:48		JC\MD	Ok
13	VN1030WBL01	VN1030WBL01	VN084581.D	30 Oct 2024 21:12		JC\MD	Ok
14	VN1030WBS01	VN1030WBS01	VN084582.D	30 Oct 2024 21:46		JC\MD	Ok,M
15	VN1030WBSD01	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10		JC\MD	Ok,M
16	P4594-04	TP-4	VN084584.D	30 Oct 2024 22:34	pH#5.0 A	JC\MD	Ok,M
17	P4594-08	BP-F17	VN084585.D	30 Oct 2024 22:58	pH#5.0 A	JC\MD	Ok
18	P4594-12	BP-F16	VN084586.D	30 Oct 2024 23:22	pH#5.0 A	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4594-16	TP-5	VN084587.D	30 Oct 2024 23:46	pH#7.0 A	JC\MD	Ok
20	P4594-20	BP-F15	VN084588.D	31 Oct 2024 00:09	pH#6.0 A	JC\MD	Ok
21	P4597-03	RED-1-1	VN084589.D	31 Oct 2024 00:34	pH#6.0 A	JC\MD	Ok
22	P4597-06	RED-1-2	VN084590.D	31 Oct 2024 00:57	pH#5.0 A	JC\MD	Ok,M
23	P4597-09	BLUE-2-1	VN084591.D	31 Oct 2024 01:21	pH#5.0 A	JC\MD	Ok
24	P4597-12	BLUE-2-2	VN084592.D	31 Oct 2024 01:45	pH#5.0 A	JC\MD	Ok,M
25	P4598-04	BP-F12	VN084593.D	31 Oct 2024 02:09	pH#7.0 A	JC\MD	Ok
26	P4598-08	BP-F11	VN084594.D	31 Oct 2024 02:33	pH#7.0 A	JC\MD	Ok
27	P4598-12	TP-8	VN084595.D	31 Oct 2024 02:57	pH#6.0 A	JC\MD	Ok
28	P4611-03	TP-1	VN084596.D	31 Oct 2024 03:21	pH#5.0 A	JC\MD	Ok
29	P4611-06	TP-2	VN084597.D	31 Oct 2024 03:45	pH#5.0 A	JC\MD	Ok
30	P4611-09	TP-3	VN084598.D	31 Oct 2024 04:09	pH#5.0 A	JC\MD	Ok
31	P4611-12	TP-4	VN084599.D	31 Oct 2024 04:33	pH#5.0 A	JC\MD	Ok
32	P4611-15	TP-5	VN084600.D	31 Oct 2024 04:57	pH#5.0 A	JC\MD	Ok
33	P4611-18	TP-6	VN084601.D	31 Oct 2024 05:21	pH#5.0 A	JC\MD	Ok
34	P4612-04	MOO-24-00335	VN084602.D	31 Oct 2024 05:45	pH#5.0 A	JC\MD	Ok
35	P4613-02	ARS20-0001	VN084603.D	31 Oct 2024 06:09	pH#5.0 A	JC\MD	Ok
36	PB164501ZHE#13	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	pH#5.0 A	JC\MD	Ok,M
37	PB164501ZHE#14	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	pH#5.0 A	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB164501ZHE#15	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	pH#5.0 A	JC\MD	Ok,M
39	PB164501ZHE#16	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	pH#5.0 A	JC\MD	Ok
40	PB164501ZHE#17	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	pH#5.0 A	JC\MD	Ok,M
41	PB164501ZHE#18	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	pH#5.0 A	JC\MD	Ok,M
42	PB164501ZHE#19	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	pH#5.0 A	JC\MD	Ok,M
43	PB164501ZHE#20	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	pH#5.0 A	JC\MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN110424

Review By	Semsettin Yesilyurt	Review On	11/5/2024 11:27:56 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/5/2024 12:49:44 PM		
SubDirectory	VN110424	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131254
Initial Calibration Stds	
CCC	VP131256,VP131258
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084644.D	04 Nov 2024 08:22		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084645.D	04 Nov 2024 09:32		JC\MD	Ok,M
3	VN1104MBL01	VN1104MBL01	VN084646.D	04 Nov 2024 10:14		JC\MD	Ok
4	VN1104WBL01	VN1104WBL01	VN084647.D	04 Nov 2024 10:38		JC\MD	Ok
5	VN1104WBS01	VN1104WBS01	VN084648.D	04 Nov 2024 11:14		JC\MD	Ok,M
6	VN1104WBSD01	VN1104WBSD01	VN084649.D	04 Nov 2024 11:38		JC\MD	Ok,M
7	VIBLK	VIBLK	VN084650.D	04 Nov 2024 12:14	Surrogate fail; Internal standard fail	JC\MD	Ok
8	PB164619TB	PB164619TB	VN084651.D	04 Nov 2024 12:40	pH#5.0 A	JC\MD	Ok
9	P4643-04	BP-F9-ADDITIONAL	VN084652.D	04 Nov 2024 13:05	pH#6.0 A	JC\MD	Ok
10	P4643-08	BP-F8	VN084653.D	04 Nov 2024 13:29	pH#5.0 A	JC\MD	Ok
11	P4643-12	TP-9	VN084654.D	04 Nov 2024 13:53	pH#6.0 A	JC\MD	Ok
12	P4645-04	Z-02-WC	VN084655.D	04 Nov 2024 14:17	pH#6.0 A	JC\MD	Ok
13	P4659-04	MH-2	VN084656.D	04 Nov 2024 14:41	pH#5.0 A	JC\MD	Ok
14	P4660-01	WC-TA2-01-G	VN084657.D	04 Nov 2024 15:05	pH#10 A	JC\MD	Ok
15	P4660-03	WC-TA2-01-C	VN084658.D	04 Nov 2024 15:29	pH#6.0 A	JC\MD	Ok
16	P4660-05	WC-WOOD-01-G	VN084659.D	04 Nov 2024 15:53	pH#6.0 A	JC\MD	Ok
17	P4660-07	WC-WOOD-01-C	VN084660.D	04 Nov 2024 16:17	pH#6.0 A	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN110424

Review By	Semsettin Yesilyurt	Review On	11/5/2024 11:27:56 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/5/2024 12:49:44 PM		
SubDirectory	VN110424	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131254
Initial Calibration Stds	
CCC	VP131256,VP131258
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4660-09	WC-CONCRETE-01-G	VN084661.D	04 Nov 2024 16:41	pH#6.0 A	JC\MD	Ok
19	P4660-11	WC-CONCRETE-01-C	VN084662.D	04 Nov 2024 17:05	pH#6.0 A	JC\MD	Ok
20	P4667-04	BP-F-6	VN084663.D	04 Nov 2024 17:29	pH#6.0 A	JC\MD	Ok
21	P4667-08	BP-F-5	VN084664.D	04 Nov 2024 17:53	pH#5.0 A	JC\MD	Ok
22	P4667-12	BP-F-10	VN084665.D	04 Nov 2024 18:18	pH#5.0 A	JC\MD	Ok
23	P4667-16	BP-F-7	VN084666.D	04 Nov 2024 18:42	pH#6.0 A	JC\MD	Ok
24	P4679-04	MH-1	VN084667.D	04 Nov 2024 19:06	pH#5.0 A	JC\MD	Ok
25	P4680-04	BP-F26	VN084668.D	04 Nov 2024 19:30	pH#6.0 A	JC\MD	Ok
26	P4680-08	BP-F25	VN084669.D	04 Nov 2024 19:54	pH#6.0 A	JC\MD	Ok
27	P4682-02	BELL-SHOP-RAGS	VN084670.D	04 Nov 2024 20:18	pH#5.0 A	JC\MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VN084671.D	04 Nov 2024 20:42	out off tune	JC\MD	Not Ok

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164619

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1 / ZHE-2

TCLP Filter ID : 50223706

Start Prep Date : 11/03/2024 **Time :** 14:00

End Prep Date : 11/04/2024 **Time :** 07:15

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	22437	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE samples are extracted and given as vial A & B. Leak checked after 10 mintues of tumbling. Tumbler ZHE-1 /ZHE-2 checked,30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/04/24 09:00	JP ICP ROOM	S-Y ICP 24h
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164619

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4643-04	BP-F9-ADDITIONAL	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4643-08	BP-F8	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4643-12	TP-9	03	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4645-04	Z-02-WC	04	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4659-04	MH-2	05	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4660-01	WC-TA2-01-G	06	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4660-03	WC-TA2-01-C	07	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4660-05	WC-WOOD-01-G	08	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4660-07	WC-WOOD-01-C	09	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4660-09	WC-CONCRETE-01-G	10	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
P4660-11	WC-CONCRETE-01-C	11	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
P4667-04	BP-F-6	11	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
P4667-08	BP-F-5	13	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
P4667-12	BP-F-10	14	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
P4667-16	BP-F-7	15	25.05	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
P4679-04	MH-1	16	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
P4680-04	BP-F26	17	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
P4680-08	BP-F25	18	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
P4682-02	BELL-SHOP-RAGS	19	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
PB164619TB	LEB619	20	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4643-04	BP-F9-ADDITIONAL	N/A	N/A	N/A	N/A	100	N/A
P4643-08	BP-F8	N/A	N/A	N/A	N/A	100	N/A
P4643-12	TP-9	N/A	N/A	N/A	N/A	100	N/A
P4645-04	Z-02-WC	N/A	N/A	N/A	N/A	100	N/A
P4659-04	MH-2	N/A	N/A	N/A	N/A	100	N/A
P4660-01	WC-TA2-01-G	N/A	N/A	N/A	N/A	100	N/A
P4660-03	WC-TA2-01-C	N/A	N/A	N/A	N/A	100	N/A
P4660-05	WC-WOOD-01-G	N/A	N/A	N/A	N/A	100	N/A
P4660-07	WC-WOOD-01-C	N/A	N/A	N/A	N/A	100	N/A
P4660-09	WC-CONCRETE-01-G	N/A	N/A	N/A	N/A	100	N/A
P4660-11	WC-CONCRETE-01-C	N/A	N/A	N/A	N/A	100	N/A
P4667-04	BP-F-6	N/A	N/A	N/A	N/A	100	N/A
P4667-08	BP-F-5	N/A	N/A	N/A	N/A	100	N/A
P4667-12	BP-F-10	N/A	N/A	N/A	N/A	100	N/A
P4667-16	BP-F-7	N/A	N/A	N/A	N/A	100	N/A
P4679-04	MH-1	N/A	N/A	N/A	N/A	100	N/A
P4680-04	BP-F26	N/A	N/A	N/A	N/A	100	N/A
P4680-08	BP-F25	N/A	N/A	N/A	N/A	100	N/A
P4682-02	BELL-SHOP-RAGS	N/A	N/A	N/A	N/A	100	N/A
PB164619TB	LEB619	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe p1640 **WorkList ID :** 185048 **Department :** TCLP Extraction **Date :** 11-03-2024 09:08:40

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4643-04	BP-F9-ADDITIONAL	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K51	10/30/2024	1311 ZHE
P4643-08	BP-F8	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K51	10/30/2024	1311 ZHE
P4643-12	TP-9	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K51	10/30/2024	1311 ZHE
P4645-04	Z-02-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K63	10/31/2024	1311 ZHE
P4659-04	MH-2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K61	10/31/2024	1311 ZHE
P4667-04	BP-F-6	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K51	10/31/2024	1311 ZHE
P4682-02	BELL-SHOP-RAGS	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L13	11/01/2024	1311 ZHE
P4667-08	BP-F-5	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K51	10/31/2024	1311 ZHE
P4667-12	BP-F-10	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K51	10/31/2024	1311 ZHE
P4667-16	BP-F-7	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	K51	10/31/2024	1311 ZHE
P4679-04	MH-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L11	11/01/2024	1311 ZHE
P4680-04	BP-F26	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L12	11/01/2024	1311 ZHE
P4680-08	BP-F25	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L12	11/01/2024	1311 ZHE
P4660-01	WC-TA2-01-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	K41	10/28/2024	1311 ZHE
P4660-03	WC-TA2-01-C	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	K41	10/30/2024	1311 ZHE
P4660-05	WC-WOOD-01-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	K41	10/31/2024	1311 ZHE
P4660-07	WC-WOOD-01-C	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	K41	10/31/2024	1311 ZHE
P4660-09	WC-CONCRETE-01-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	K41	10/31/2024	1311 ZHE
P4660-11	WC-CONCRETE-01-C	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	K41	10/31/2024	1311 ZHE

Date/Time 11/03/24 10:00

Raw Sample Received by:

Raw Sample Relinquished by: SM

Date/Time 11/03/24 15:00

Raw Sample Received by: SM

Raw Sample Relinquished by:

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: P46460

COC Number: 2042101

CLIENT INFORMATION

COMPANY: ENTACT, LLC
ADDRESS: 150 Bay Street, Suite 806
CITY: Jersey City STATE: NJ ZIP: 07302
ATTENTION: Jarod Stanfield
PHONE: 570-886-0442 FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY
PROJECT #: E9309 LOCATION: Brooklyn, NY
PROJECT MANAGER: Jarod Stanfield
E-MAIL: jstanfield@entact.com
PHONE: 570-886-0442 FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC PO# E9309
ADDRESS: 999 Oakmont Plaza Drive, Suite 300
CITY: Westmont STATE: IL ZIP: 60559
ATTENTION: Wendy Murray PHONE: 800-936-8228

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: _____ DAYS*
EDD 5 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☑ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD Format _____
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other _____

ANALYSIS

1	2	3	4	5	6	7	8	9
TCLP VOCs	TCLP ICP Metals	TCLP Herb	TCLP Pest	TCLP SVOCs	TCLP pH	I/C/R	PCBs	Oil & Grease

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	WC-TA2-01-G	Soil		X	10/28	15:15	1	X									<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
2.	WC-TA2-01-C	Soil	X		10/30	13:30	11		X	X	X	X	X	X	X	X	
3.	WC-Wood-01-G	Solid		X	10/31	12:30	1	X									
4.	WC-Wood-01-C	Solid	X		10/31	13:30	11		X	X	X	X	X	X	X	X	
5.	WC-Concrete-01-G	Solid		X	10/31	14:30	1	X									
6.	WC-Concrete-01-C	Solid	X		10/31	15:30	12		X	X	X	X	X	X	X	X	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY	
1. Jarod Stanfield	10/31 13:21	1.	1325 10-31-24
RELINQUISHED BY	DATE/TIME	RECEIVED BY	
2.		2.	
RELINQUISHED BY	DATE/TIME 1850	RECEIVED FOR LAB BY	
3.	10-31-24	3.	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.1 C ☐ Ice in Cooler?: _____

Comments:

Page _____ of _____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☑ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT **YELLOW** - ALLIANCE COPY **PINK** - SAMPLER COPY

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: P46660

COC Number: 2042101

CLIENT INFORMATION

COMPANY: ENTACT, LLC
ADDRESS: 150 Bay Street, Suite 806
CITY Jersey City STATE: NJ ZIP: 07302
ATTENTION: Jarod Stanfield
PHONE: 570-886-0442 FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY
PROJECT #: E9309 LOCATION: Brooklyn, NY
PROJECT MANAGER: Jarod Stanfield
E-MAIL: jstanfield@entact.com
PHONE: 570-886-0442 FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC PO# E9309
ADDRESS: 999 Oakmont Plaza Drive, Suite 300
CITY: Westmont STATE: IL ZIP: 60559
ATTENTION: Wendy Murray PHONE: 800-936-8228

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: DAYS*
EDD 5 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESELTS ONLY
- ☑ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

ASTM COD	ASTM Ammonia-Nitrogen	ASTM O&G	ASTM TS	TS, TVS	pH	Paint Filter		
10	11	12	13	14	15	16		

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9
								E	E	E	E	E	E	E		
1.	WC-TA2-01-G	Soil		X	10/28	15:15	1									
2.	WC-TA2-01-C	Soil	X		10/30	13:30	11	X	X	X	X	X	X	X		
3.	WC-Wood-01-G	Solid		X	10/31	12:30	1									
4.	WC-Wood-01-C	Solid	X		10/31	13:30	11	X	X	X	X	X	X	X		
5.	WC-Concrete-01-G	Solid		X	10/31	14:30	1									
6.	WC-Concrete-01-C	Solid	X		10/31	15:30	12	X	X	X	X	X	X	X		
7.																
8.																
9.																
10.																

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. Jarod Stanfield	10/31 1320	1. 10-31-24 1325
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	10-31-24 1850	3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.1 C
☐ Ice in Cooler?:
Comments:

Page of

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☑ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488