

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 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



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

LAB CHRONICLE

OrderID:	Q1609	OrderDate:	3/20/2025 10:20:00 AM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	I51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1609-01	WC-SCRN-01-G	TCLP	TCLP VOA	8260D	03/19/25		03/21/25	03/20/25



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Hit Summary Sheet
SW-846

SDG No.: Q1609

Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	WC-SCRN-01-G							
Q1609-01	WC-SCRN-01-G	TCLP	Trichloroethene	4.20	J	0.090	5.00	ug/L
			Total Voc :	4.20				
			Total Concentration:	4.20				



QC SUMMARY

Surrogate Summary

SDG No.: Q1609

Client: ENTACT

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1609-01	WC-SCRN-01-G	1,2-Dichloroethane-d4	50	57.5	115	70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102	70 (75)	130 (124)
		Toluene-d8	50	50.8	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.0	86	70 (77)	130 (121)
VN0321WBL01	VN0321WBL01	1,2-Dichloroethane-d4	50	57.7	115	70 (74)	130 (125)
		Dibromofluoromethane	50	56.2	112	70 (75)	130 (124)
		Toluene-d8	50	48.6	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.4	89	70 (77)	130 (121)
VN0321WBS01	VN0321WBS01	1,2-Dichloroethane-d4	50	49.1	98	70 (74)	130 (125)
		Dibromofluoromethane	50	50.1	100	70 (75)	130 (124)
		Toluene-d8	50	50.9	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.4	101	70 (77)	130 (121)
VN0321WBSD0	VN0321WBSD01	1,2-Dichloroethane-d4	50	51.4	103	70 (74)	130 (125)
		Dibromofluoromethane	50	51.4	103	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.6	103	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1609

Client: ENTACT

Analytical Method: SW8260D

Datafile : VN086038.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0321WBS01	Vinyl chloride	20	20.0	ug/L	100			70 (65)	130 (117)	
	1,1-Dichloroethene	20	21.2	ug/L	106			70 (74)	130 (110)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	21.5	ug/L	108			70 (77)	130 (113)	
	Chloroform	20	21.2	ug/L	106			70 (79)	130 (113)	
	Benzene	20	21.8	ug/L	109			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.3	ug/L	106			70 (80)	130 (115)	
	Trichloroethene	20	19.9	ug/L	100			70 (77)	130 (113)	
	Tetrachloroethene	20	20.9	ug/L	104			70 (67)	130 (123)	
	Chlorobenzene	20	20.4	ug/L	102			70 (82)	130 (109)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1609

Client: ENTACT

Analytical Method: SW8260D

Datafile : VN086039.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0321WBSD01	Vinyl chloride	20	21.4	ug/L	107	7		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	20.7	ug/L	104	2		70 (74)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	10		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	21.5	ug/L	108	0		70 (77)	130 (113)	20 (20)
	Chloroform	20	21.4	ug/L	107	1		70 (79)	130 (113)	20 (20)
	Benzene	20	22.0	ug/L	110	1		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	22.4	ug/L	112	6		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	20.1	ug/L	101	1		70 (77)	130 (113)	20 (20)
	Tetrachloroethene	20	20.7	ug/L	104	0		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	20.8	ug/L	104	2		70 (82)	130 (109)	20 (20)

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0321WBL01

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: Q1609

SAS No.: Q1609 SDG NO.: Q1609

Lab File ID: VN086037.D

Lab Sample ID: VN0321WBL01

Date Analyzed: 03/21/2025

Time Analyzed: 13:52

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
VN0321WBS01	VN0321WBS01	VN086038.D	03/21/2025
VN0321WBSD01	VN0321WBSD01	VN086039.D	03/21/2025
WC-SCRN-01-G	Q1609-01	VN086061.D	03/21/2025

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: Q1609 SAS No.: Q1609 SDG NO.: Q1609
Lab File ID: VN085994.D BFB Injection Date: 03/18/2025
Instrument ID: MSVOA_N BFB Injection Time: 08:52
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	15.2
75	30.0 - 60.0% of mass 95	52.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	87.1
175	5.0 - 9.0% of mass 174	6.7 (7.7) 1
176	95.0 - 101.0% of mass 174	83.7 (96.2) 1
177	5.0 - 9.0% of mass 176	5.4 (6.4) 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	VN085996.D	03/18/2025	11:44
VSTDICCC050	VSTDICCC050	VN085997.D	03/18/2025	12:08
VSTDICC020	VSTDICC020	VN085998.D	03/18/2025	12:32
VSTDICC010	VSTDICC010	VN085999.D	03/18/2025	12:57
VSTDICC005	VSTDICC005	VN086000.D	03/18/2025	13:21
VSTDICC001	VSTDICC001	VN086001.D	03/18/2025	14:09



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: Q1609 SAS No.: Q1609 SDG NO.: Q1609
Lab File ID: VN086035.D BFB Injection Date: 03/21/2025
Instrument ID: MSVOA_N BFB Injection Time: 12:44
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	15.6
75	30.0 - 60.0% of mass 95	47.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.5 (1.8) 1
174	50.0 - 100.0% of mass 95	85.2
175	5.0 - 9.0% of mass 174	6.7 (7.9) 1
176	95.0 - 101.0% of mass 174	82.7 (97) 1
177	5.0 - 9.0% of mass 176	6.3 (7.6) 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	VN086036.D	03/21/2025	13:17
VN0321WBL01	VN0321WBL01	VN086037.D	03/21/2025	13:52
VN0321WBS01	VN0321WBS01	VN086038.D	03/21/2025	14:16
VN0321WBSD01	VN0321WBSD01	VN086039.D	03/21/2025	14:52
WC-SCRN-01-G	Q1609-01	VN086061.D	03/21/2025	23:43

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: Q1609 SAS No.: Q1609 SDG NO.: Q1609
 Lab File ID: VN086036.D Date Analyzed: 03/21/2025
 Instrument ID: MSVOA_N Time Analyzed: 13:17
 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	163728	8.22	253523	9.10	241486	11.87
UPPER LIMIT	327456	8.718	507046	9.6	482972	12.365
LOWER LIMIT	81864	7.718	126762	8.6	120743	11.365
EPA SAMPLE NO.						
WC-SCRN-01-G	140609	8.22	262572	9.10	254973	11.87
VN0321WBL01	129724	8.22	224711	9.10	210417	11.87
VN0321WBS01	165667	8.22	258178	9.10	240248	11.87
VN0321WBSD01	154418	8.22	246307	9.10	225945	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: Q1609 SAS No.: Q1609 SDG NO.: Q1609
 Lab File ID: VN086036.D Date Analyzed: 03/21/2025
 Instrument ID: MSVOA_N Time Analyzed: 13:17
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	138904	13.788				
UPPER LIMIT	277808	14.288				
LOWER LIMIT	69452	13.288				
EPA SAMPLE NO.						
WC-SCRN-01-G	98590	13.79				
VN0321WBL01	84947	13.79				
VN0321WBS01	125213	13.79				
VN0321WBSD01	115388	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

Report of Analysis

Client:	ENTACT	Date Collected:	03/19/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	03/20/25
Client Sample ID:	WC-SCRN-01-G	SDG No.:	Q1609
Lab Sample ID:	Q1609-01	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
VN086061.D	1		03/21/25 23:43	VN032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	4.20	J	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.5		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.8		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.0		70 (77) - 130 (121)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	141000	8.224			
540-36-3	1,4-Difluorobenzene	263000	9.1			
3114-55-4	Chlorobenzene-d5	255000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	98600	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\VN032125\
 Data File : VN086061.D
 Acq On : 21 Mar 2025 23:43
 Operator : JC\MD
 Sample : Q1609-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Mar 22 00:00:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

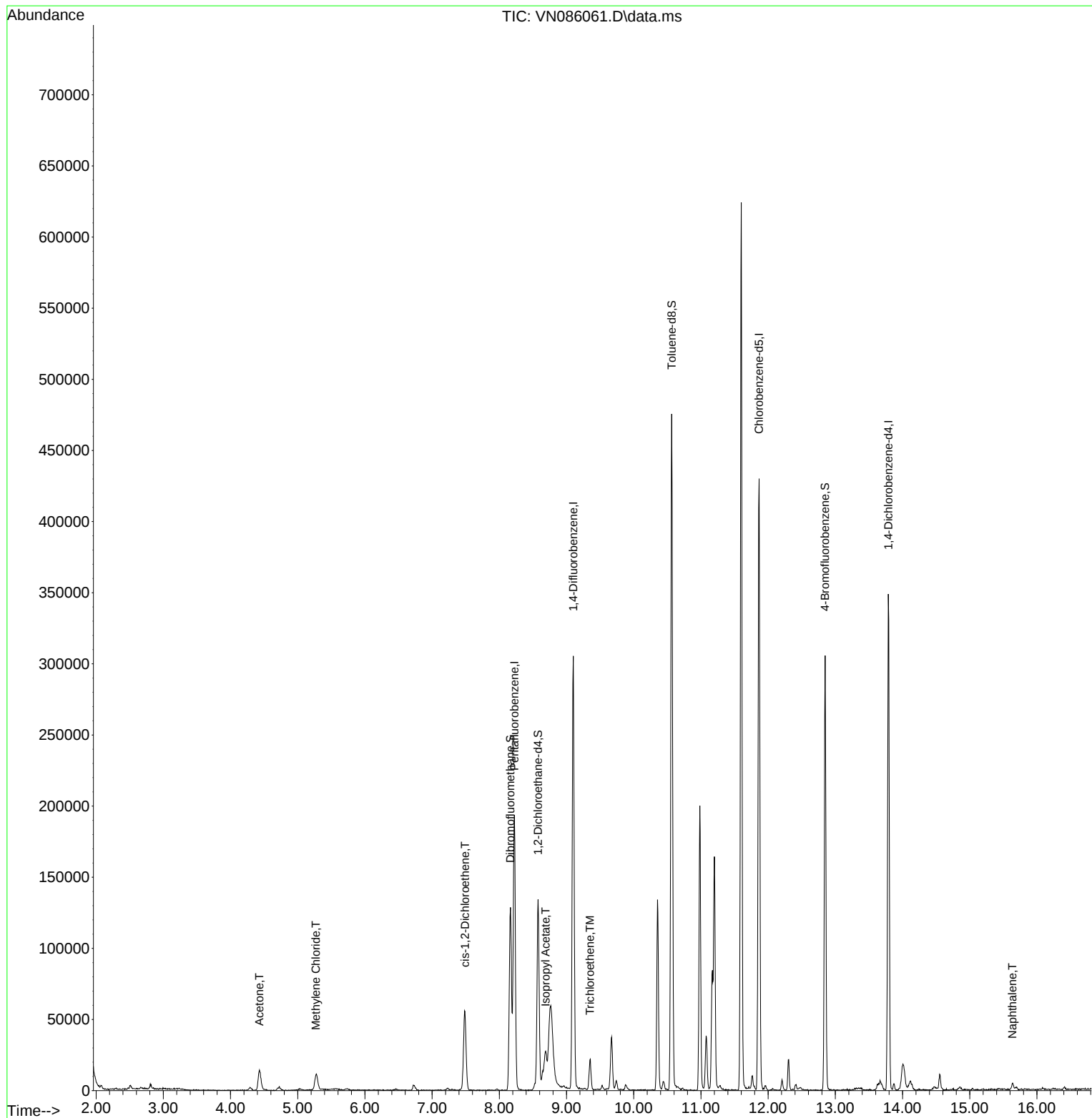
Internal Standards						
1) Pentafluorobenzene	8.224	168	140609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	98590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110762	57.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.060%			
35) Dibromofluoromethane	8.165	113	93335	50.927	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.860%			
50) Toluene-d8	10.565	98	337987	50.814	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.620%			
62) 4-Bromofluorobenzene	12.847	95	101958	42.982	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 85.960%			
Target Compounds						
16) Acetone	4.430	43	27174	46.196	ug/l	98
20) Methylene Chloride	5.271	84	9766	5.675	ug/l #	95
27) cis-1,2-Dichloroethene	7.489	96	33966	18.986	ug/l	91
43) Isopropyl Acetate	8.688	43	35240	7.988	ug/l #	68
44) Trichloroethene	9.347	130	8180	4.166	ug/l	99
95) Naphthalene	15.635	128	5135	1.048	ug/l #	94

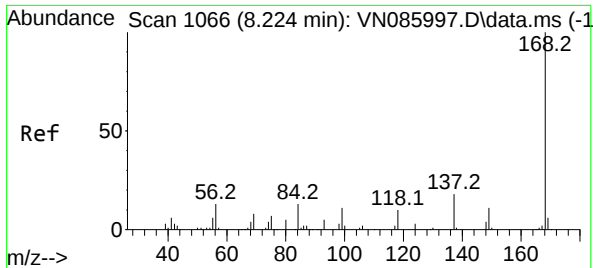
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
Data File : VN086061.D
Acq On : 21 Mar 2025 23:43
Operator : JC\MD
Sample : Q1609-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

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

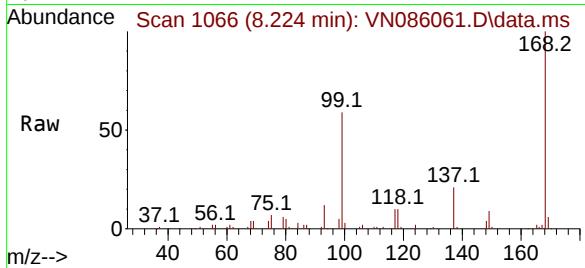
Quant Time: Mar 22 00:00:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



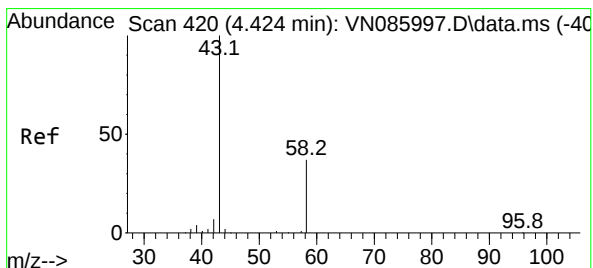
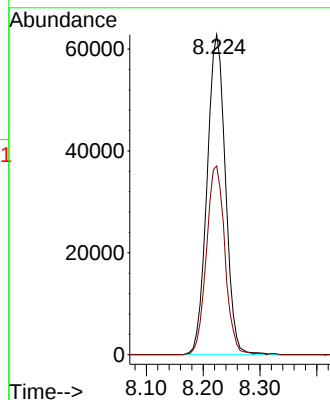
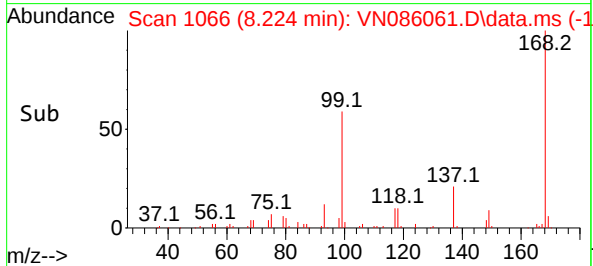


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

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

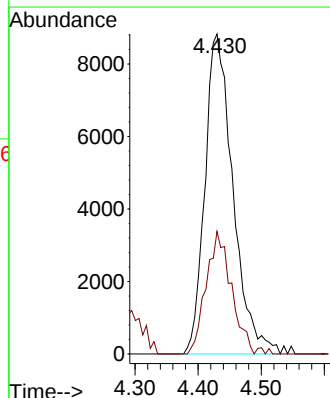
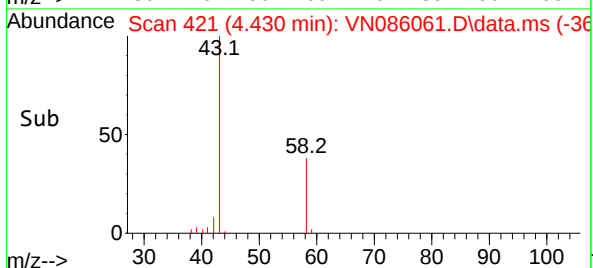
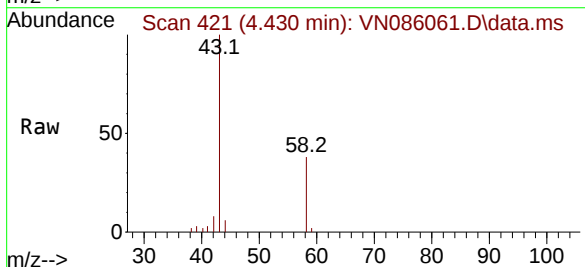


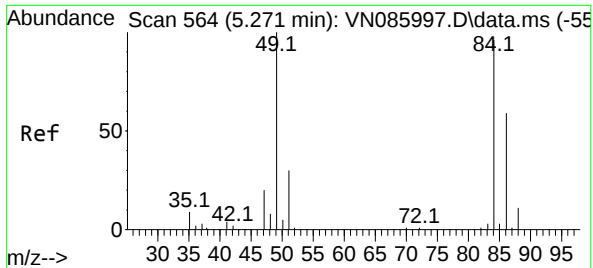
Tgt Ion:168 Resp: 140609
Ion Ratio Lower Upper
168 100
99 59.0 49.4 74.2



#16
Acetone
Concen: 46.196 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

Tgt Ion: 43 Resp: 27174
Ion Ratio Lower Upper
43 100
58 38.3 29.4 44.2





#20

Methylene Chloride

Concen: 5.675 ug/l

RT: 5.271 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN086061.D

Acq: 21 Mar 2025 23:43

Instrument :

MSVOA_N

ClientSampleId :

WC-SCRN-01-G

Tgt Ion: 84 Resp: 9766

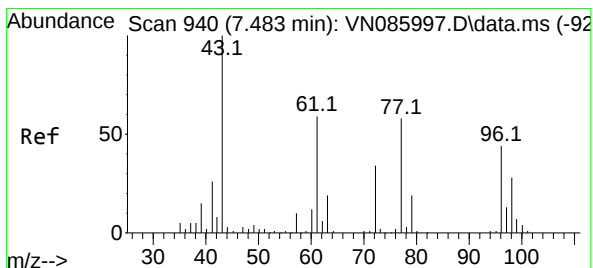
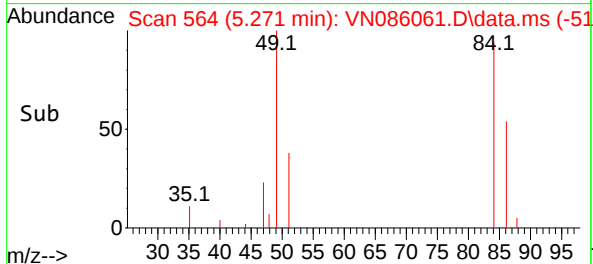
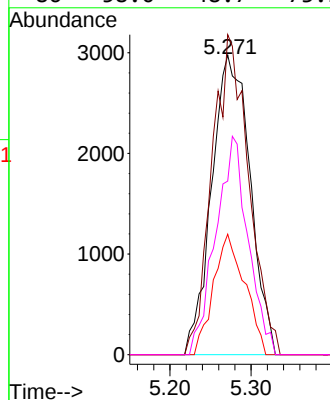
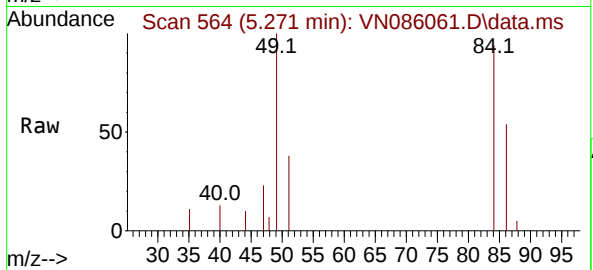
Ion Ratio Lower Upper

84 100

49 106.8 83.3 124.9

51 40.2 24.8 37.2#

86 58.0 48.7 73.1



#27

cis-1,2-Dichloroethene

Concen: 18.986 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN086061.D

Acq: 21 Mar 2025 23:43

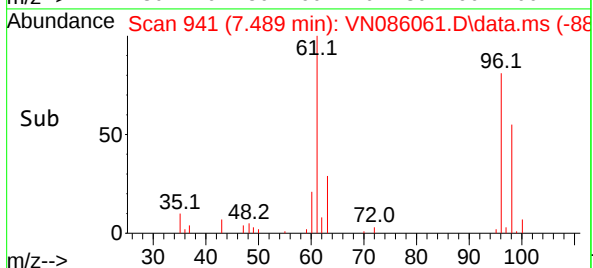
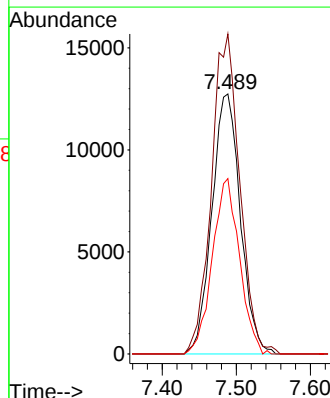
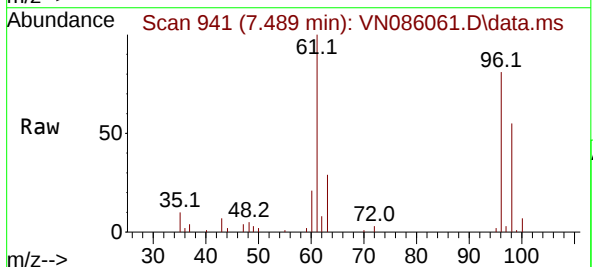
Tgt Ion: 96 Resp: 33966

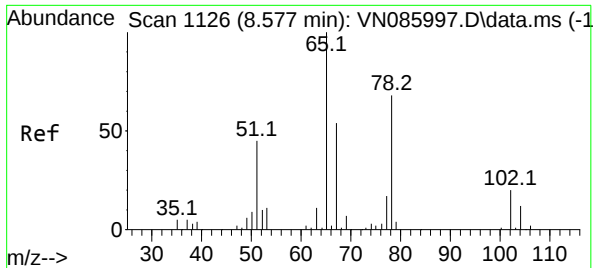
Ion Ratio Lower Upper

96 100

61 122.4 0.0 272.8

98 64.4 0.0 124.8





#33

1,2-Dichloroethane-d4

Concen: 57.526 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086061.D

Acq: 21 Mar 2025 23:43

Instrument :

MSVOA_N

ClientSampleId :

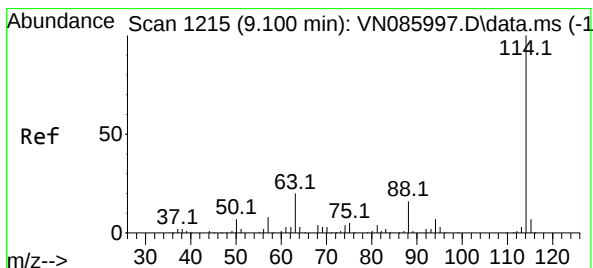
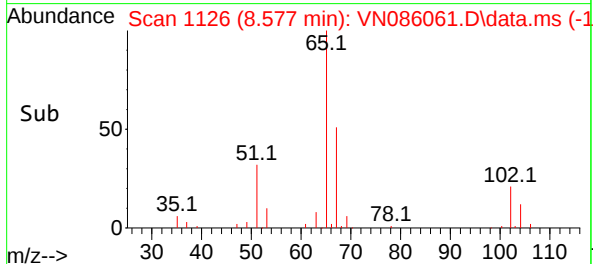
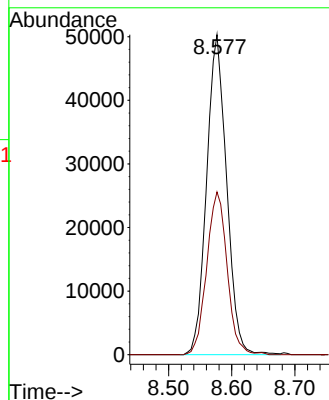
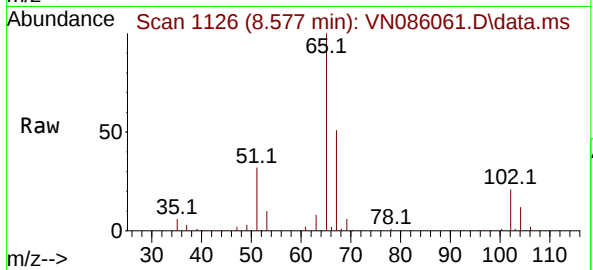
WC-SCRN-01-G

Tgt Ion: 65 Resp: 110762

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086061.D

Acq: 21 Mar 2025 23:43

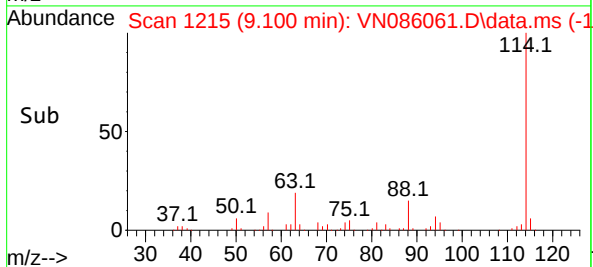
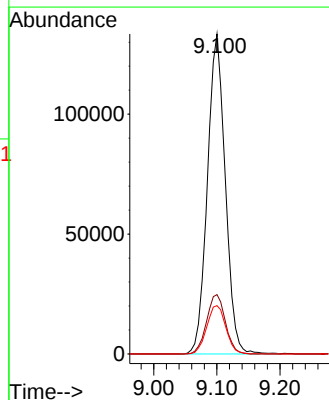
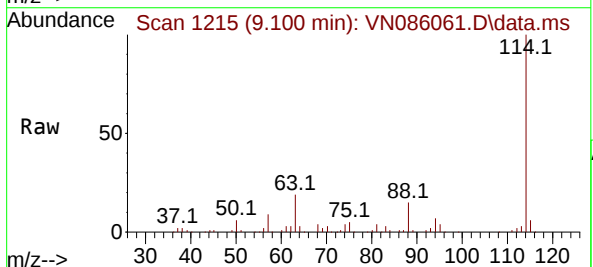
Tgt Ion: 114 Resp: 262572

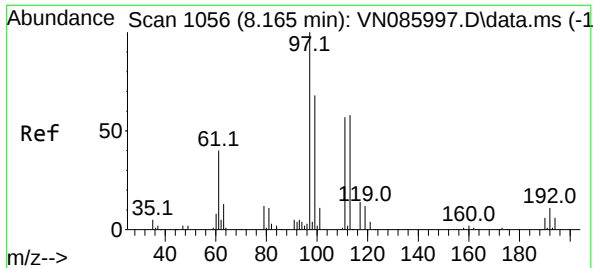
Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 15.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.927 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086061.D

Acq: 21 Mar 2025 23:43

Instrument :

MSVOA_N

ClientSampleId :

WC-SCRN-01-G

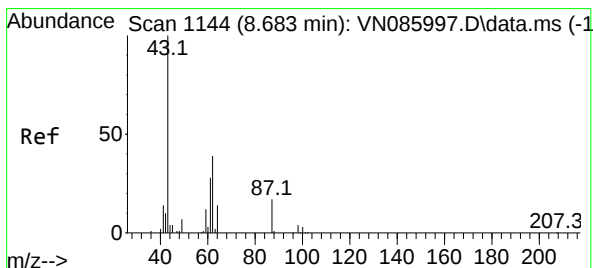
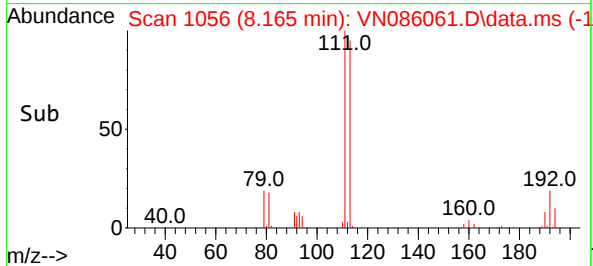
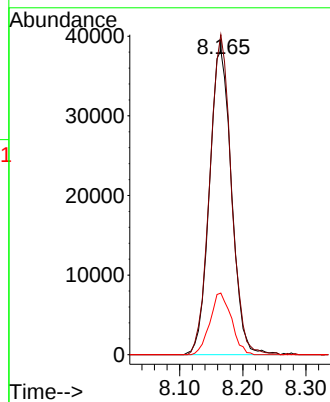
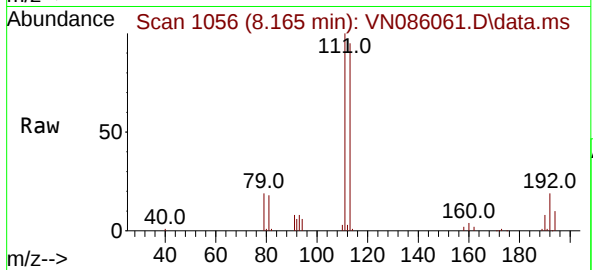
Tgt Ion:113 Resp: 93335

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

192 19.6 15.9 23.9



#43

Isopropyl Acetate

Concen: 7.988 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN086061.D

Acq: 21 Mar 2025 23:43

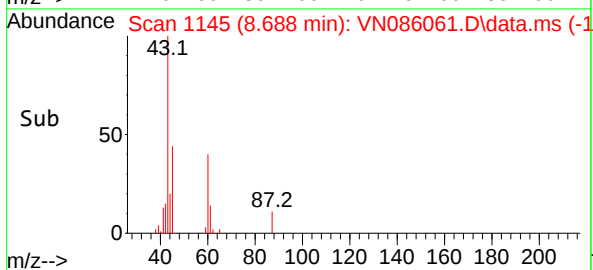
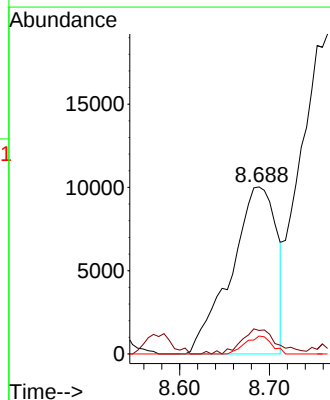
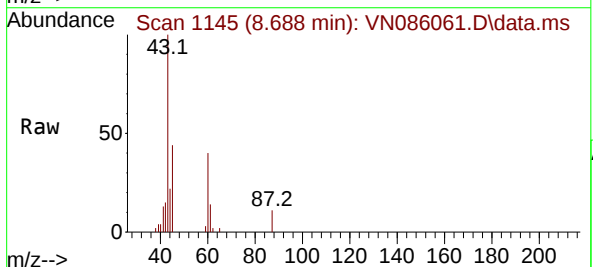
Tgt Ion: 43 Resp: 35240

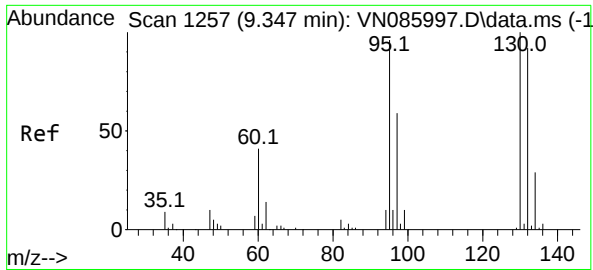
Ion Ratio Lower Upper

43 100

61 11.5 25.0 37.6#

87 6.2 13.0 19.4#

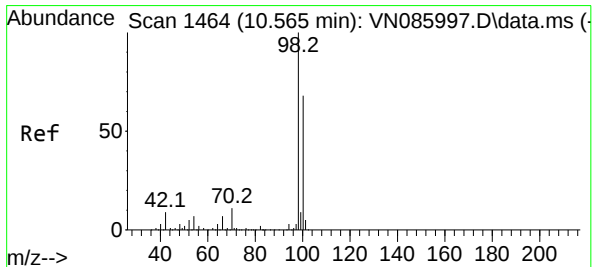
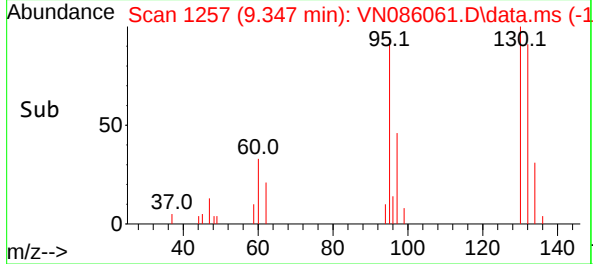
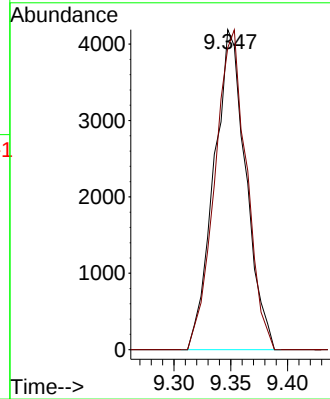
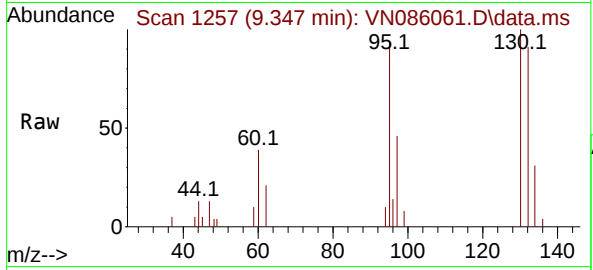




#44
Trichloroethene
Concen: 4.166 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

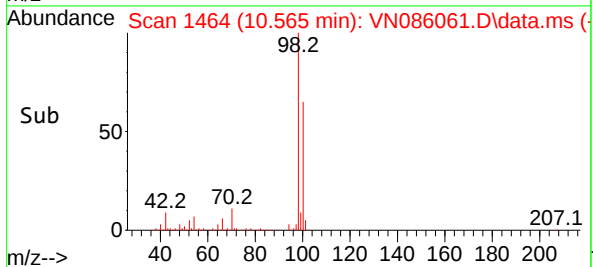
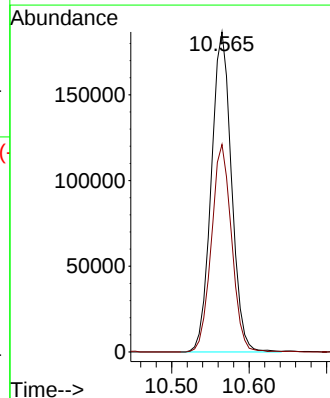
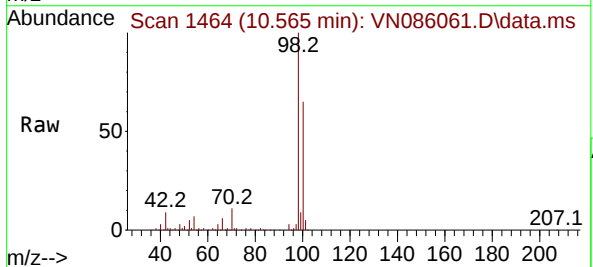
Instrument :
MSVOA_N
ClientSampleId :
WC-SCRN-01-G

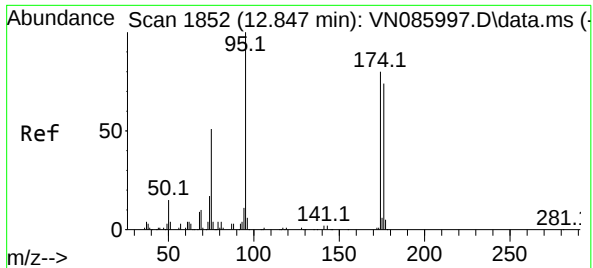
Tgt Ion:130 Resp: 8180
Ion Ratio Lower Upper
130 100
95 94.4 0.0 191.6



#50
Toluene-d8
Concen: 50.814 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

Tgt Ion: 98 Resp: 337987
Ion Ratio Lower Upper
98 100
100 64.7 53.1 79.7

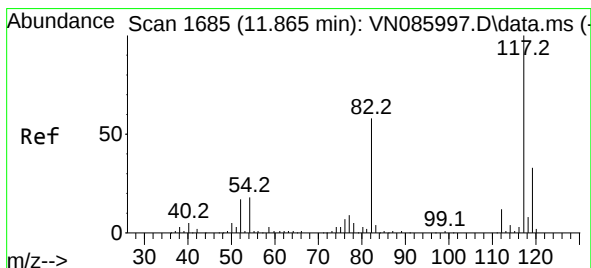
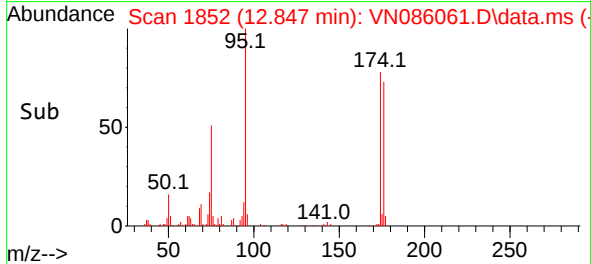
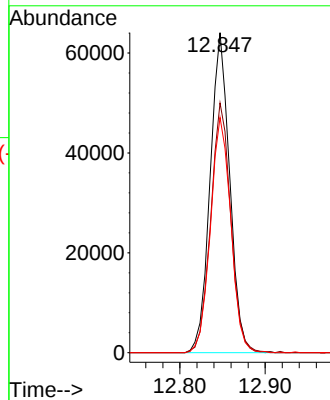
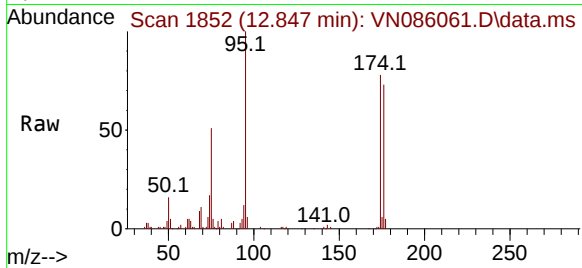




#62
4-Bromofluorobenzene
Concen: 42.982 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

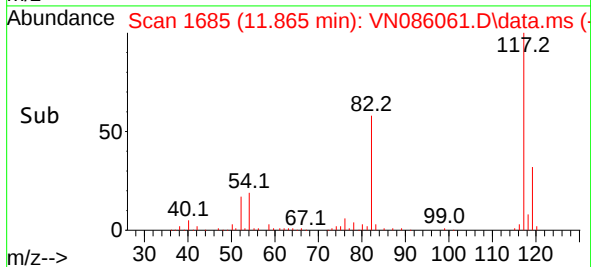
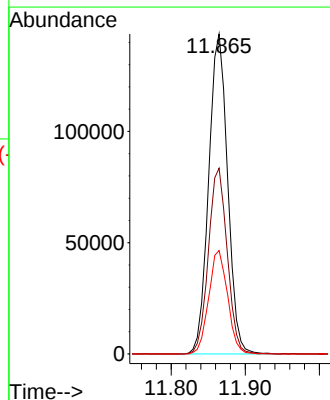
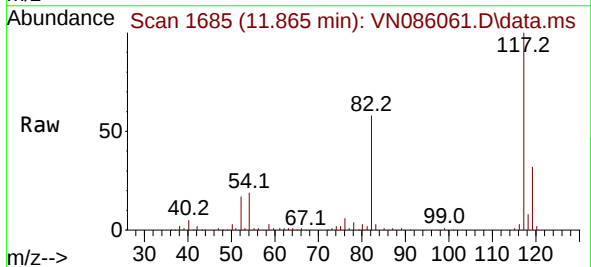
Instrument :
MSVOA_N
ClientSampleId :
WC-SCRN-01-G

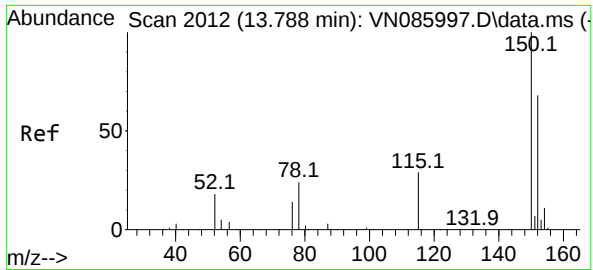
Tgt Ion: 95 Resp: 101958
Ion Ratio Lower Upper
95 100
174 80.4 0.0 156.8
176 76.4 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

Tgt Ion: 117 Resp: 254973
Ion Ratio Lower Upper
117 100
82 58.1 46.7 70.1
119 32.3 26.5 39.7

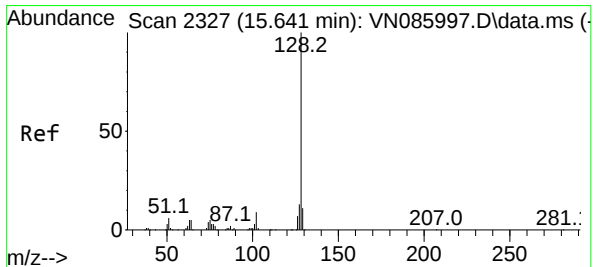
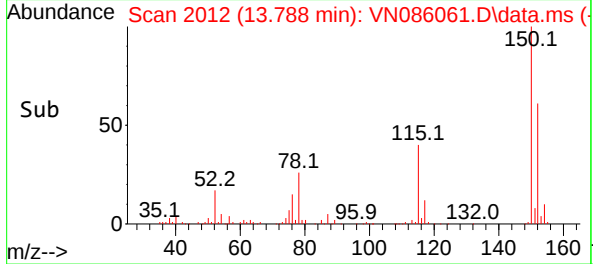
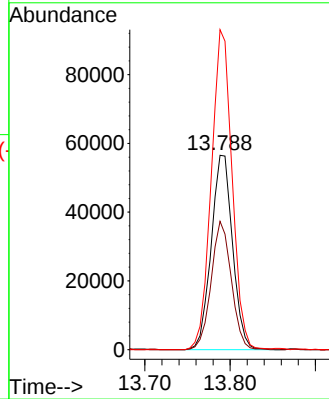
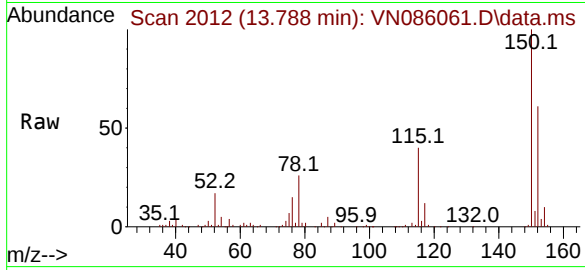




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

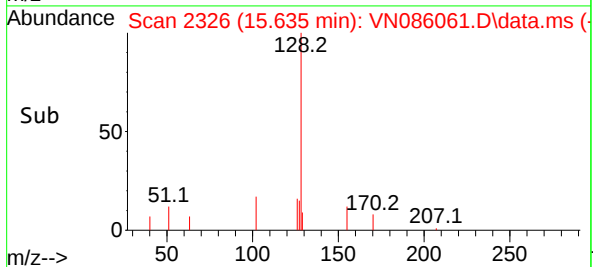
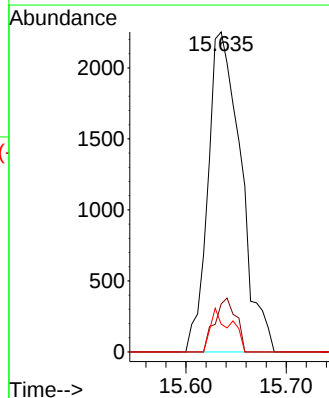
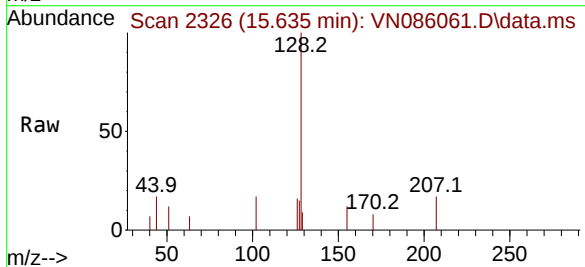
Instrument :
MSVOA_N
ClientSampleId :
WC-SCRN-01-G

Tgt Ion	152	Resp:	98590
Ion Ratio	Lower	Upper	
152	100		
115	62.2	31.1	93.2
150	159.5	0.0	359.6



#95
Naphthalene
Concen: 1.048 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN086061.D
Acq: 21 Mar 2025 23:43

Tgt Ion	128	Resp:	5135
Ion Ratio	Lower	Upper	
128	100		
127	11.0	10.2	15.4
129	8.3	9.0	13.6#





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.: Q1609 SAS No.: Q1609 SDG No.: Q1609
 Instrument ID: MSVOA_N Calibration Date(s): 03/18/2025 03/18/2025
 Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:09
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN085996.D		RRF050 = VN085997.D		RRF020 = VN085998.D			
		RRF010 = VN085999.D		RRF005 = VN086000.D		RRF001 = VN086001.D			
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD	
Vinyl Chloride	0.622	0.592	0.541	0.581	0.634	0.592	0.594	5.5	
1,1-Dichloroethene	0.567	0.516	0.481	0.545	0.550	0.415	0.512	11	
2-Butanone	0.331	0.292	0.277	0.297	0.319	0.296	0.302	6.5	
Carbon Tetrachloride	0.673	0.578	0.557	0.580	0.613	0.624	0.604	6.9	
Chloroform	1.119	1.017	1.011	1.101	1.149	1.245	1.107	7.9	
Benzene	1.610	1.393	1.348	1.386	1.453	1.466	1.443	6.5	
1,2-Dichloroethane	0.538	0.475	0.462	0.491	0.528	0.521	0.503	6.1	
Trichloroethene	0.394	0.346	0.335	0.353	0.380	0.435	0.374	10	
Tetrachloroethene	0.407	0.371	0.370	0.390	0.421	0.433	0.399	6.6	
Chlorobenzene	1.229	1.085	1.070	1.116	1.156	1.208	1.144	5.7	
1,2-Dichloroethane-d4	0.632	0.665	0.669	0.721	0.737		0.685	6.3	
Dibromofluoromethane	0.333	0.334	0.347	0.362	0.368		0.349	4.5	
Toluene-d8	1.309	1.266	1.253	1.289	1.217		1.267	2.8	
4-Bromofluorobenzene	0.514	0.466	0.447	0.440	0.391		0.452	9.8	

* 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.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N031825W.M
 Title : SW846 8260
 Last Update : Wed Mar 19 03:20:56 2025
 Response Via : Initial Calibration

Calibration Files

1 =VN086001.D 5 =VN086000.D 10 =VN085999.D 20 =VN085998.D 50 =VN085997.D 100 =VN085996.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.678	0.697	0.649	0.600	0.643	0.707	0.662	6.01
3) P	Chloromethane	0.683	0.612	0.544	0.514	0.557	0.575	0.581	10.29
4) C	Vinyl Chloride	0.592	0.634	0.581	0.541	0.592	0.622	0.594	5.53#
5) T	Bromomethane		0.466	0.411	0.377	0.381	0.388	0.404	9.16
6) T	Chloroethane	0.446	0.403	0.378	0.334	0.330	0.355	0.375	11.93
7) T	Trichlorofluor...	1.267	1.107	1.035	0.959	0.977	1.059	1.067	10.48
8) T	Diethyl Ether	0.336	0.309	0.322	0.315	0.324	0.354	0.327	4.93
9) T	1,1,2-Trichlor...	0.659	0.590	0.553	0.512	0.515	0.574	0.567	9.66
10) T	Methyl Iodide		0.766	0.710	0.681	0.728	0.811	0.739	6.80
11) T	Tert butyl alc...		0.108	0.097	0.091	0.094	0.094	0.097	6.70
12) CM	1,1-Dichloroet...	0.415	0.550	0.545	0.481	0.516	0.567	0.512	11.02#
13) T	Acrolein		0.115	0.099	0.104	0.100	0.099	0.103	6.75
14) T	Allyl chloride	0.664	0.684	0.615	0.572	0.617	0.683	0.639	7.03
15) T	Acrylonitrile	0.252	0.271	0.255	0.245	0.248	0.266	0.256	4.01
16) T	Acetone	0.223	0.213	0.195	0.179	0.194	0.251	0.209	12.36
17) T	Carbon Disulfide	2.107	1.765	1.610	1.467	1.510	1.649	1.685	13.78
18) T	Methyl Acetate	0.667	0.542	0.504	0.434	0.469	0.488	0.518	15.79
19) T	Methyl tert-bu...	1.673	1.638	1.604	1.578	1.691	1.888	1.679	6.61
20) T	Methylene Chlo...	0.731	0.639	0.572	0.551	0.565	0.613	0.612	10.93
21) T	trans-1,2-Dich...	0.591	0.564	0.546	0.521	0.534	0.603	0.560	5.81
22) T	Diisopropyl ether	1.166	1.387	1.394	1.317	1.378	1.528	1.362	8.68
23) T	Vinyl Acetate	0.866	1.023	1.017	1.024	1.067	1.196	1.032	10.24
24) P	1,1-Dichloroet...	1.130	1.032	0.968	0.908	0.949	1.023	1.001	7.79
25) T	2-Butanone	0.296	0.319	0.297	0.277	0.292	0.331	0.302	6.50
26) T	2,2-Dichloropr...	1.004	1.017	0.925	0.880	0.926	1.032	0.964	6.41
27) T	cis-1,2-Dichlo...	0.632	0.656	0.617	0.591	0.633	0.688	0.636	5.25
28) T	Bromochloromet...	0.521	0.430	0.404	0.398	0.391	0.403	0.424	11.60
29) T	Tetrahydrofuran	0.152	0.197	0.189	0.183	0.194	0.204	0.186	9.74
30) C	Chloroform	1.245	1.149	1.101	1.011	1.017	1.119	1.107	7.90#
31) T	Cyclohexane		0.957	0.854	0.765	0.799	0.890	0.853	8.87
32) T	1,1,1-Trichlor...	1.124	1.097	1.025	0.962	0.986	1.093	1.048	6.32
33) S	1,2-Dichloroet...		0.737	0.721	0.669	0.665	0.632	0.685	6.30
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.368	0.362	0.347	0.334	0.333	0.349	4.54
36) T	1,1-Dichloropr...	0.457	0.454	0.443	0.421	0.454	0.528	0.460	7.89
37) T	Ethyl Acetate	0.388	0.412	0.393	0.366	0.367	0.400	0.388	4.65
38) T	Carbon Tetrach...	0.624	0.613	0.580	0.557	0.578	0.673	0.604	6.90
39) T	Methylcyclohexane	0.438	0.426	0.399	0.419	0.475	0.579	0.456	14.34
40) TM	Benzene	1.466	1.453	1.386	1.348	1.393	1.610	1.443	6.46
41) T	Methacrylonitrile	0.132	0.188	0.191	0.187	0.193	0.220	0.185	15.66
42) TM	1,2-Dichloroet...	0.521	0.528	0.491	0.462	0.475	0.538	0.503	6.12
43) T	Isopropyl Acetate	1.123	0.840	0.886	0.793	0.688	0.711	0.840	18.77
44) TM	Trichloroethene	0.435	0.380	0.353	0.335	0.346	0.394	0.374	9.98
45) C	1,2-Dichloropr...	0.309	0.333	0.321	0.319	0.321	0.366	0.328	6.16#
46) T	Dibromomethane	0.274	0.268	0.251	0.234	0.243	0.279	0.258	7.09
47) T	Bromodichlorom...	0.537	0.561	0.515	0.506	0.516	0.600	0.539	6.58
48) T	Methyl methacr...	0.255	0.257	0.265	0.268	0.289	0.328	0.277	9.99
49) T	1,4-Dioxane	0.005	0.007	0.007	0.006	0.007	0.007	0.007	16.08
50) S	Toluene-d8		1.217	1.289	1.253	1.266	1.309	1.267	2.78
51) T	4-Methyl-2-Pen...	0.287	0.369	0.380	0.368	0.385	0.434	0.371	12.88
52) CM	Toluene	0.727	0.856	0.878	0.862	0.915	1.074	0.885	12.66#
53) T	t-1,3-Dichloro...	0.446	0.501	0.506	0.504	0.539	0.646	0.524	12.80
54) T	cis-1,3-Dichlo...	0.464	0.537	0.555	0.533	0.568	0.659	0.553	11.46
55) T	1,1,2-Trichlor...	0.335	0.338	0.330	0.316	0.327	0.382	0.338	6.72
56) T	Ethyl methacry...	0.298	0.413	0.445	0.463	0.526	0.633	0.463	24.21

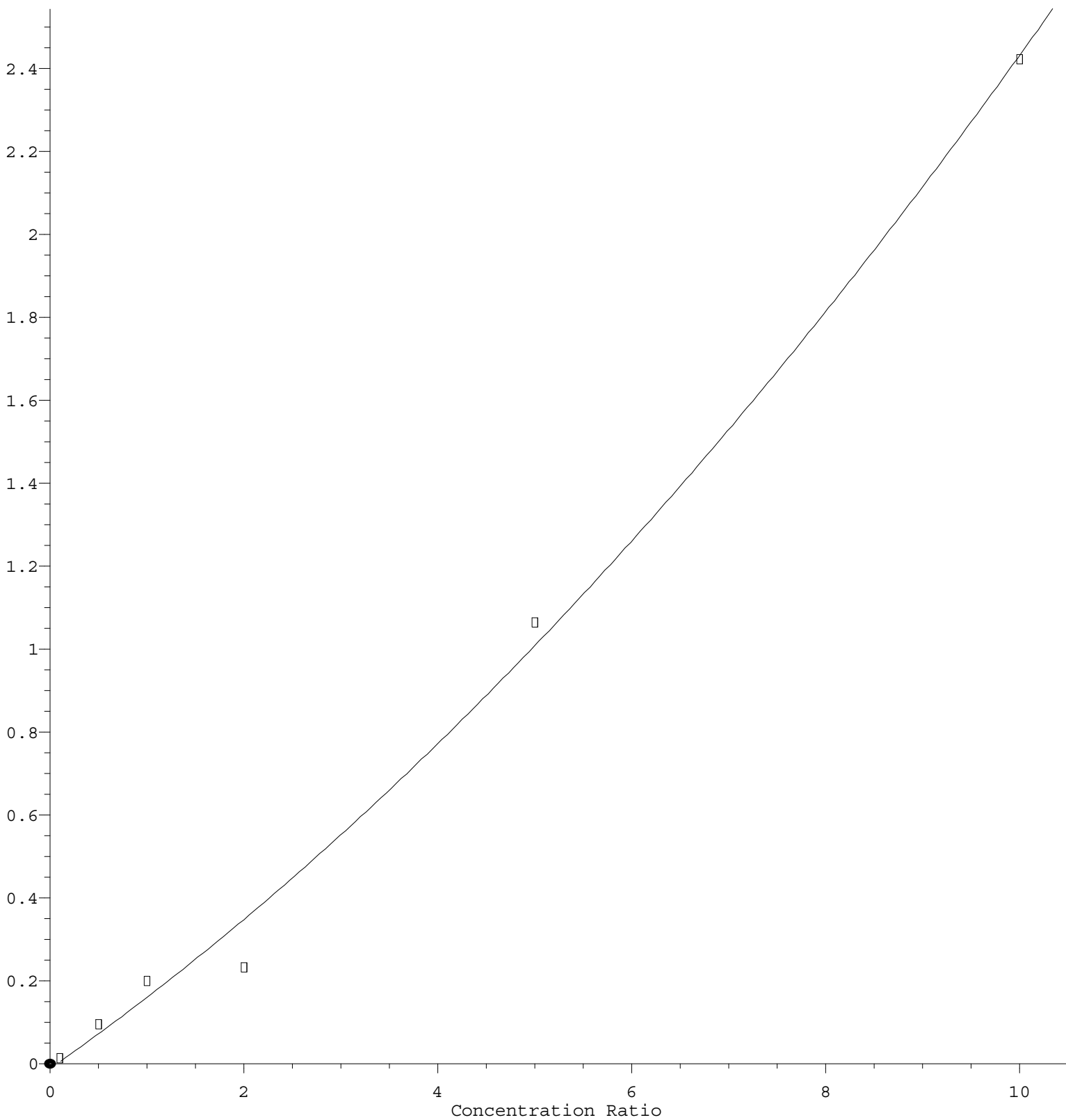
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N031825W.M

57)	T	1,3-Dichloropr...	0.551	0.558	0.571	0.539	0.567	0.657	0.574	7.39
58)	T	2-Chloroethyl ...	0.134	0.190	0.200	0.116	0.213	0.242	0.183	26.31
59)	T	2-Hexanone	0.202	0.261	0.270	0.269	0.284	0.334	0.270	15.74
60)	T	Dibromochlorom...	0.416	0.436	0.422	0.408	0.432	0.503	0.436	7.83
61)	T	1,2-Dibromoethane	0.325	0.337	0.343	0.326	0.351	0.400	0.347	8.01
62)	S	4-Bromofluorob...	0.391	0.440	0.447	0.466	0.514	0.452		9.82
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.433	0.421	0.390	0.370	0.371	0.407	0.399	6.57
65)	PM	Chlorobenzene	1.208	1.156	1.116	1.070	1.085	1.229	1.144	5.69
66)	T	1,1,1,2-Tetrac...	0.445	0.445	0.414	0.388	0.407	0.452	0.425	6.05
67)	C	Ethyl Benzene	1.586	1.755	1.769	1.744	1.918	2.209	1.830	11.67#
68)	T	m/p-Xylenes	0.643	0.660	0.690	0.700	0.756	0.867	0.719	11.40
69)	T	o-Xylene	0.532	0.585	0.645	0.655	0.713	0.831	0.660	15.83
70)	T	Styrene	0.924	1.032	1.044	1.115	1.219	1.431	1.128	15.79
71)	P	Bromoform	0.371	0.355	0.342	0.329	0.345	0.392	0.356	6.39
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.039	3.264	3.470	3.251	3.599	3.863	3.414	8.58
74)	T	N-amyl acetate	0.984	1.098	1.153	1.121	1.220	1.278	1.142	8.93
75)	P	1,1,2,2-Tetrac...	1.311	1.261	1.191	1.041	1.052	1.076	1.155	10.01
76)	T	1,2,3-Trichlor...	0.925	1.264	1.153	1.148	1.157	1.070	1.119	10.14
77)	T	Bromobenzene	1.000	0.994	0.966	0.878	0.910	0.964	0.952	5.10
78)	T	n-propylbenzene	3.148	3.686	3.862	3.774	4.183	4.546	3.866	12.24
79)	T	2-Chlorotoluene	2.335	2.574	2.587	2.473	2.620	2.820	2.568	6.29
80)	T	1,3,5-Trimethy...	2.392	2.639	2.903	2.845	3.118	3.399	2.883	12.25
81)	T	trans-1,4-Dich...	0.397	0.401	0.420	0.414	0.486	0.423		8.50
82)	T	4-Chlorotoluene	2.443	2.567	2.661	2.558	2.696	2.921	2.641	6.19
83)	T	tert-Butylbenzene	2.380	2.278	2.517	2.289	2.547	2.782	2.466	7.76
84)	T	1,2,4-Trimethy...	2.330	2.684	2.944	2.886	3.130	3.472	2.908	13.35
85)	T	sec-Butylbenzene	2.423	3.008	3.247	3.174	3.514	3.932	3.216	15.71
86)	T	p-Isopropyltol...	2.088	2.410	2.688	2.670	3.037	3.443	2.723	17.41
87)	T	1,3-Dichlorobe...	1.688	1.718	1.749	1.614	1.685	1.842	1.716	4.46
88)	T	1,4-Dichlorobe...	2.043	1.907	1.756	1.621	1.667	1.825	1.803	8.71
89)	T	n-Butylbenzene	1.876	1.981	2.079	2.067	2.424	2.876	2.217	16.76
90)	T	Hexachloroethane	0.766	0.648	0.595	0.542	0.582	0.637	0.628	12.37
91)	T	1,2-Dichlorobe...	2.004	1.724	1.673	1.522	1.598	1.716	1.706	9.66
92)	T	1,2-Dibromo-3-...	0.192	0.250	0.266	0.216	0.221	0.240	0.231	11.50
93)	T	1,2,4-Trichlor...	0.899	0.851	0.815	0.779	0.850	0.952	0.858	7.14
94)	T	Hexachlorobuta...	0.579	0.522	0.500	0.454	0.442	0.488	0.498	9.98
95)	T	Naphthalene	2.499	2.211	2.423	2.306	2.606	2.860	2.484	9.30
96)	T	1,2,3-Trichlor...	0.798	0.791	0.794	0.772	0.829	0.900	0.814	5.65

(#) = Out of Range

2-Chloroethyl Vinyl ether

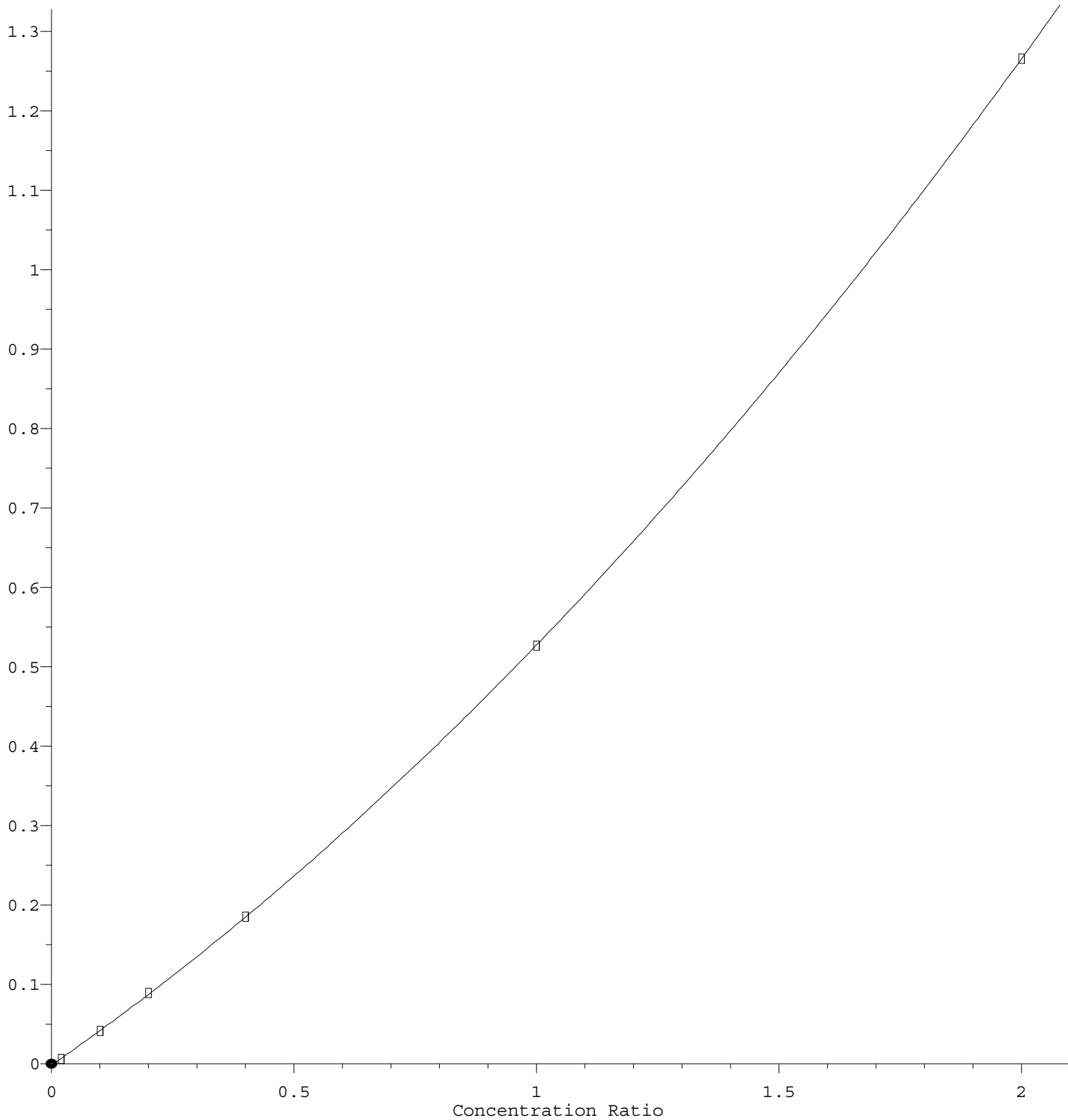
Response Ratio



$R = 8.062e-003 A^2 + 1.637e-001 A - 1.134e-002$
 Coef of Det (r^2) = 0.995747 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N031825W.M
 Calibration Table Last Updated: Wed Mar 19 03:20:56 2025

Ethyl methacrylate

Response Ratio



$R = 1.048e-001 A^2 + 4.239e-001 A - 1.587e-003$
Coef of Det (r^2) = 0.999996 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N031825W.M
Calibration Table Last Updated: Wed Mar 19 03:20:56 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085996.D
 Acq On : 18 Mar 2025 11:44
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:52:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	182974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	280238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	231291	92.312	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 184.620%#			
35) Dibromofluoromethane	8.165	113	186688	95.442	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 190.880%#			
50) Toluene-d8	10.565	98	733621	103.341	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 206.680%#			
62) 4-Bromofluorobenzene	12.847	95	288124	113.805	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 227.620%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	258760	106.744	ug/l	100
3) Chloromethane	2.359	50	210559	99.080	ug/l	99
4) Vinyl Chloride	2.506	62	227757	104.817	ug/l	99
5) Bromomethane	2.930	94	141847	95.836	ug/l	95
6) Chloroethane	3.106	64	130043	94.868	ug/l	90
7) Trichlorofluoromethane	3.489	101	387652	99.243	ug/l	99
8) Diethyl Ether	3.953	74	129491	108.290	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	209946	101.130	ug/l	99
10) Methyl Iodide	4.583	142	296609	109.651	ug/l	95
11) Tert butyl alcohol	5.518	59	172466	486.176	ug/l	99
12) 1,1-Dichloroethene	4.336	96	207400	110.639	ug/l	96
13) Acrolein	4.171	56	180315	476.573	ug/l	98
14) Allyl chloride	5.018	41	249826	106.826	ug/l	98
15) Acrylonitrile	5.712	53	486527	519.314	ug/l	99
16) Acetone	4.418	43	459532	600.330	ug/l	100
17) Carbon Disulfide	4.706	76	603612	97.911	ug/l	99
18) Methyl Acetate	5.018	43	178753	94.384	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	690939	112.481	ug/l	99
20) Methylene Chloride	5.265	84	224327	100.177	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	220657	107.710	ug/l	99
22) Diisopropyl ether	6.665	45	559282	112.225	ug/l	99
23) Vinyl Acetate	6.600	43	2187667	579.034	ug/l	100
24) 1,1-Dichloroethane	6.559	63	374239	102.121	ug/l	99
25) 2-Butanone	7.477	43	605615	548.306	ug/l	99
26) 2,2-Dichloropropane	7.483	77	377635	107.034	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	251929	108.218	ug/l	98
28) Bromochloromethane	7.812	49	147305	94.874	ug/l	98
29) Tetrahydrofuran	7.830	42	372372	546.087	ug/l	99
30) Chloroform	7.965	83	409546	101.106	ug/l	99
31) Cyclohexane	8.253	56	325757	104.345	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	400089	104.344	ug/l	98
36) 1,1-Dichloropropene	8.365	75	296177	114.993	ug/l	100
37) Ethyl Acetate	7.559	43	224022	103.099	ug/l	98
38) Carbon Tetrachloride	8.359	117	377239	111.395	ug/l	98
39) Methylcyclohexane	9.600	83	324420	126.957	ug/l	97
40) Benzene	8.600	78	902443	111.613	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085996.D
 Acq On : 18 Mar 2025 11:44
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:52:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	123440	118.971	ug/l	95
42) 1,2-Dichloroethane	8.665	62	301678	107.080	ug/l	99
43) Isopropyl Acetate	8.683	43	398367	84.427	ug/l	99
44) Trichloroethene	9.347	130	220997	105.460	ug/l	92
45) 1,2-Dichloropropane	9.618	63	205313	111.644	ug/l	97
46) Dibromomethane	9.706	93	156183	107.992	ug/l	100
47) Bromodichloromethane	9.882	83	336242	111.244	ug/l	99
48) Methyl methacrylate	9.677	41	183832	118.314	ug/l	98
49) 1,4-Dioxane	9.688	88	83630	2276.865	ug/l	94
51) 4-Methyl-2-Pentanone	10.441	43	1216534	585.839	ug/l	100
52) Toluene	10.629	92	601872	121.286	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	362129	123.365	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	369494	119.304	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	213909	112.938	ug/l	96
56) Ethyl methacrylate	10.871	69	354676	100.009	ug/l	99
57) 1,3-Dichloropropane	11.159	76	368384	114.512	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	678829	498.510	ug/l	99
59) 2-Hexanone	11.194	43	935328	618.290	ug/l	99
60) Dibromochloromethane	11.359	129	281651	115.239	ug/l	99
61) 1,2-Dibromoethane	11.465	107	224197	115.301	ug/l	98
64) Tetrachloroethene	11.100	164	217951	102.122	ug/l	98
65) Chlorobenzene	11.888	112	657655	107.422	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	241702	106.205	ug/l	98
67) Ethyl Benzene	11.959	91	1182051	120.702	ug/l	99
68) m/p-Xylenes	12.071	106	927553	240.977	ug/l	99
69) o-Xylene	12.394	106	444866	125.926	ug/l	99
70) Styrene	12.412	104	765959	126.938	ug/l	100
71) Bromoform	12.576	173	209637	110.191	ug/l #	99
73) Isopropylbenzene	12.694	105	1139716	113.143	ug/l	100
74) N-amyl acetate	12.494	43	377161	111.912	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	317335	93.117	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	315551m	93.831	ug/l	
77) Bromobenzene	12.976	156	284449	101.270	ug/l	100
78) n-propylbenzene	13.035	91	1341141	117.577	ug/l	100
79) 2-Chlorotoluene	13.123	91	832060	109.823	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	1002727	117.902	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	143254	114.684	ug/l	97
82) 4-Chlorotoluene	13.218	91	861737	110.605	ug/l	99
83) tert-Butylbenzene	13.435	119	820651	112.824	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	1024294	119.410	ug/l	100
85) sec-Butylbenzene	13.612	105	1160166	122.266	ug/l	100
86) p-Isopropyltoluene	13.729	119	1015859	126.470	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	543572	107.364	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	538505	101.234	ug/l	99
89) n-Butylbenzene	14.053	91	848367	129.699	ug/l	100
90) Hexachloroethane	14.329	117	187906	101.383	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	506350	100.605	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	70713	103.948	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	280971	111.025	ug/l	99
94) Hexachlorobutadiene	15.500	225	144077	98.130	ug/l	99
95) Naphthalene	15.641	128	843691	115.132	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	265586	110.600	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085996.D
Acq On : 18 Mar 2025 11:44
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:52:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085996.D
 Acq On : 18 Mar 2025 11:44
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_N

Client Sample Id :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By : John Carlone 03/19/2025

Supervised By : Mahesh Dadoda 03/19/2025

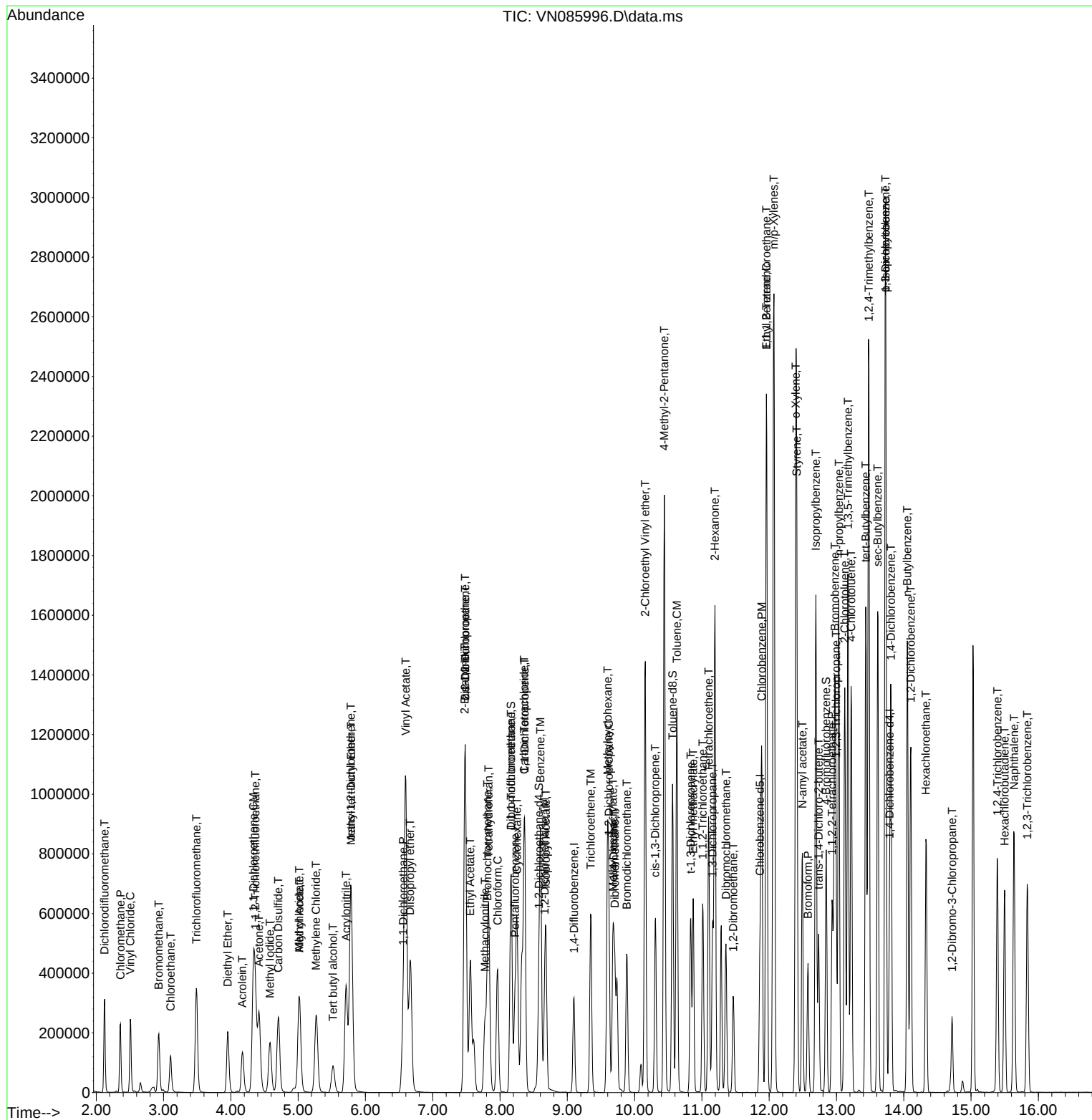
Quant Time: Mar 19 02:52:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 19 02:30:27 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085997.D
 Acq On : 18 Mar 2025 12:08
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:53:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	191040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	137905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127029	48.559	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.120%		
35) Dibromofluoromethane	8.165	113	101590	47.910	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.820%		
50) Toluene-d8	10.565	98	384569	49.972	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.940%		
62) 4-Bromofluorobenzene	12.847	95	141464	51.544	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	122875	48.549	ug/l	100
3) Chloromethane	2.360	50	106345	47.928	ug/l	100
4) Vinyl Chloride	2.507	62	113163	49.880	ug/l	100
5) Bromomethane	2.942	94	72791	47.103	ug/l	100
6) Chloroethane	3.112	64	63077	44.072	ug/l	100
7) Trichlorofluoromethane	3.489	101	186678	45.774	ug/l	100
8) Diethyl Ether	3.959	74	61984	49.647	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	98361	45.380	ug/l	100
10) Methyl Iodide	4.583	142	139044	49.232	ug/l	100
11) Tert butyl alcohol	5.524	59	90032	243.082	ug/l	100
12) 1,1-Dichloroethene	4.336	96	98583	50.369	ug/l	100
13) Acrolein	4.177	56	95299	241.241	ug/l	100
14) Allyl chloride	5.018	41	117849	48.265	ug/l	100
15) Acrylonitrile	5.718	53	236614	241.896	ug/l	100
16) Acetone	4.424	43	185613	232.246	ug/l	100
17) Carbon Disulfide	4.706	76	288424	44.810	ug/l	100
18) Methyl Acetate	5.024	43	89551	45.288	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	323093	50.377	ug/l	100
20) Methylene Chloride	5.271	84	107918	46.158	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	101963	47.670	ug/l	100
22) Diisopropyl ether	6.671	45	263272	50.597	ug/l	100
23) Vinyl Acetate	6.600	43	1019460	258.439	ug/l	100
24) 1,1-Dichloroethane	6.565	63	181215	47.361	ug/l	100
25) 2-Butanone	7.483	43	278702	241.675	ug/l	100
26) 2,2-Dichloropropane	7.489	77	176949	48.036	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	120874	49.730	ug/l	100
28) Bromochloromethane	7.806	49	74679	46.067	ug/l	100
29) Tetrahydrofuran	7.836	42	185207	260.140	ug/l	100
30) Chloroform	7.965	83	194324	45.948	ug/l	100
31) Cyclohexane	8.253	56	152647	46.831	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	188288	47.032	ug/l	100
36) 1,1-Dichloropropene	8.365	75	137990	49.422	ug/l	100
37) Ethyl Acetate	7.559	43	111535	47.350	ug/l	100
38) Carbon Tetrachloride	8.359	117	175652	47.847	ug/l	100
39) Methylcyclohexane	9.600	83	144397	52.126	ug/l	100
40) Benzene	8.606	78	423071	48.268	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085997.D
 Acq On : 18 Mar 2025 12:08
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:53:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	58596	52.096	ug/l	100
42) 1,2-Dichloroethane	8.671	62	144354	47.265	ug/l	100
43) Isopropyl Acetate	8.683	43	208926m	40.845	ug/l	
44) Trichloroethene	9.347	130	105089	46.260	ug/l	100
45) 1,2-Dichloropropane	9.618	63	97398	48.856	ug/l	100
46) Dibromomethane	9.706	93	73743	47.036	ug/l	100
47) Bromodichloromethane	9.883	83	156908	47.887	ug/l	100
48) Methyl methacrylate	9.677	41	87911	52.192	ug/l	100
49) 1,4-Dioxane	9.694	88	41818	1050.235	ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	584167	259.501	ug/l	100
52) Toluene	10.630	92	277914	51.661	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	163659	51.430	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	172456	51.366	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	99259	48.343	ug/l	100
56) Ethyl methacrylate	10.871	69	159926	49.943	ug/l	100
57) 1,3-Dichloropropane	11.159	76	172224	49.385	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	323306	261.262	ug/l	100
59) 2-Hexanone	11.194	43	431923	263.380	ug/l	100
60) Dibromochloromethane	11.359	129	131303	49.558	ug/l	100
61) 1,2-Dibromoethane	11.465	107	106539	50.543	ug/l	100
64) Tetrachloroethene	11.100	164	101407	46.478	ug/l	100
65) Chlorobenzene	11.888	112	296813	47.424	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	111333	47.853	ug/l	100
67) Ethyl Benzene	11.959	91	524655	52.405	ug/l	100
68) m/p-Xylenes	12.071	106	413470	105.075	ug/l	100
69) o-Xylene	12.394	106	195107	54.023	ug/l	100
70) Styrene	12.406	104	333544	54.070	ug/l	100
71) Bromoform	12.577	173	94268	48.469	ug/l #	100
73) Isopropylbenzene	12.694	105	496368	52.708	ug/l	100
74) N-amyl acetate	12.494	43	168199	53.384	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	145034	45.522	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	159517m	50.737	ug/l	
77) Bromobenzene	12.976	156	125436	47.769	ug/l	100
78) n-propylbenzene	13.035	91	576797	54.089	ug/l	100
79) 2-Chlorotoluene	13.124	91	361320	51.012	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	430051	54.088	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	57082	48.881	ug/l	100
82) 4-Chlorotoluene	13.218	91	371739	51.036	ug/l	100
83) tert-Butylbenzene	13.435	119	351295	51.660	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	431645	53.825	ug/l	100
85) sec-Butylbenzene	13.612	105	484551	54.622	ug/l	100
86) p-Isopropyltoluene	13.729	119	418830	55.774	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	232357	49.090	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	229820	46.213	ug/l	100
89) n-Butylbenzene	14.053	91	334309	54.669	ug/l	100
90) Hexachloroethane	14.329	117	80312	46.350	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	220326	46.825	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	30533	48.010	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	117285	49.573	ug/l	100
94) Hexachlorobutadiene	15.500	225	60983	44.428	ug/l	100
95) Naphthalene	15.641	128	359331	52.451	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	114262	50.897	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085997.D
Acq On : 18 Mar 2025 12:08
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:53:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

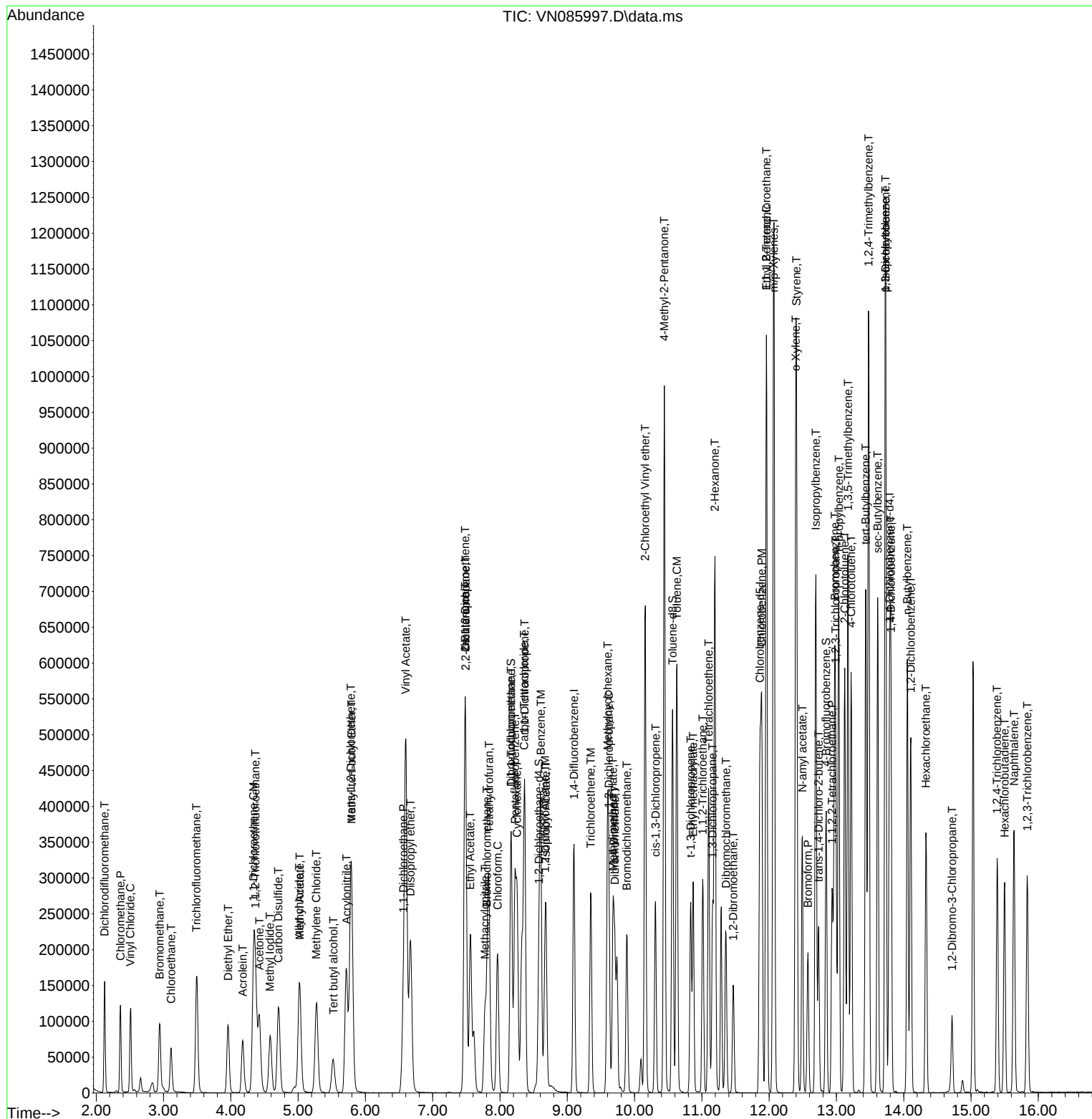
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085997.D
Acq On : 18 Mar 2025 12:08
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:53:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085998.D
 Acq On : 18 Mar 2025 12:32
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:54:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	180263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	48218	19.534	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.060%#		
35) Dibromofluoromethane	8.165	113	39531	19.905	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.800%#		
50) Toluene-d8	10.565	98	142597	19.783	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.560%#		
62) 4-Bromofluorobenzene	12.847	95	50895	19.799	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	39.600%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	43250	18.110	ug/l	96
3) Chloromethane	2.359	50	37051	17.697	ug/l	98
4) Vinyl Chloride	2.506	62	39037	18.236	ug/l	98
5) Bromomethane	2.942	94	27158	18.625	ug/l	97
6) Chloroethane	3.106	64	24077	17.829	ug/l #	86
7) Trichlorofluoromethane	3.495	101	69126	17.963	ug/l	99
8) Diethyl Ether	3.959	74	22721	19.287	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	36929	18.056	ug/l	99
10) Methyl Iodide	4.583	142	49138	18.439	ug/l	91
11) Tert butyl alcohol	5.518	59	32886	94.099	ug/l	99
12) 1,1-Dichloroethene	4.336	96	34693	18.786	ug/l	95
13) Acrolein	4.177	56	37669	101.056	ug/l	99
14) Allyl chloride	5.018	41	41227	17.894	ug/l	99
15) Acrylonitrile	5.718	53	88238	95.601	ug/l	98
16) Acetone	4.424	43	64377	85.367	ug/l	97
17) Carbon Disulfide	4.706	76	105800	17.420	ug/l	100
18) Methyl Acetate	5.024	43	31321	16.787	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	113784	18.802	ug/l	96
20) Methylene Chloride	5.277	84	39757	18.021	ug/l	93
21) trans-1,2-Dichloroethene	5.789	96	37536	18.598	ug/l	98
22) Diisopropyl ether	6.671	45	94961	19.341	ug/l	94
23) Vinyl Acetate	6.600	43	369355m	99.232	ug/l	
24) 1,1-Dichloroethane	6.565	63	65460	18.131	ug/l	100
25) 2-Butanone	7.483	43	99742	91.662	ug/l	96
26) 2,2-Dichloropropane	7.488	77	63430	18.249	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	42598	18.573	ug/l	98
28) Bromochloromethane	7.812	49	28688	18.755	ug/l	99
29) Tetrahydrofuran	7.841	42	65915	98.119	ug/l	99
30) Chloroform	7.965	83	72867	18.259	ug/l	97
31) Cyclohexane	8.253	56	55179	17.940	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	69390	18.369	ug/l	95
36) 1,1-Dichloropropene	8.371	75	47900	18.317	ug/l	100
37) Ethyl Acetate	7.559	43	41696	18.899	ug/l	99
38) Carbon Tetrachloride	8.353	117	63404	18.440	ug/l	92
39) Methylcyclohexane	9.600	83	47633	18.359	ug/l	94
40) Benzene	8.606	78	153432	18.690	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085998.D
 Acq On : 18 Mar 2025 12:32
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/19/2025

Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:54:15 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 19 02:30:27 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	21324	20.242	ug/l	96
42) 1,2-Dichloroethane	8.671	62	52637	18.401	ug/l	100
43) Isopropyl Acetate	8.688	43	90251m	18.838	ug/l	
44) Trichloroethene	9.353	130	38098	17.906	ug/l	94
45) 1,2-Dichloropropane	9.618	63	36309	19.446	ug/l	98
46) Dibromomethane	9.706	93	26612	18.123	ug/l	98
47) Bromodichloromethane	9.888	83	57646	18.784	ug/l	96
48) Methyl methacrylate	9.677	41	30533	19.354	ug/l	99
49) 1,4-Dioxane	9.694	88	14060	377.006	ug/l	90
51) 4-Methyl-2-Pentanone	10.441	43	209460	99.344	ug/l	98
52) Toluene	10.629	92	98133	19.476	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	57384	19.253	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	60620	19.278	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	35992	18.716	ug/l	96
56) Ethyl methacrylate	10.871	69	52684	20.039	ug/l	99
57) 1,3-Dichloropropane	11.159	76	61369	18.788	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	66141	69.674	ug/l	99
59) 2-Hexanone	11.194	43	152912	99.554	ug/l	98
60) Dibromochloromethane	11.359	129	46407	18.701	ug/l	98
61) 1,2-Dibromoethane	11.465	107	37071	18.777	ug/l	97
64) Tetrachloroethene	11.100	164	37287	18.572	ug/l	95
65) Chlorobenzene	11.888	112	107742	18.708	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	39102	18.264	ug/l	98
67) Ethyl Benzene	11.959	91	175592	19.060	ug/l	97
68) m/p-Xylenes	12.071	106	141029	38.948	ug/l	99
69) o-Xylene	12.394	106	65978	19.853	ug/l	99
70) Styrene	12.406	104	112279	19.780	ug/l	99
71) Bromoform	12.576	173	33086	18.487	ug/l #	99
73) Isopropylbenzene	12.694	105	162838	19.041	ug/l	100
74) N-amyl acetate	12.494	43	56163	19.630	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	52144	18.023	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	57493m	20.137	ug/l	
77) Bromobenzene	12.976	156	43969	18.439	ug/l	99
78) n-propylbenzene	13.035	91	189068	19.524	ug/l	99
79) 2-Chlorotoluene	13.123	91	123854	19.256	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	142528	19.740	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	21026	19.827	ug/l	94
82) 4-Chlorotoluene	13.218	91	128159	19.376	ug/l	99
83) tert-Butylbenzene	13.435	119	114669	18.570	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	144557	19.850	ug/l	100
85) sec-Butylbenzene	13.612	105	158970	19.734	ug/l	99
86) p-Isopropyltoluene	13.729	119	133733	19.611	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	80845	18.809	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	81175	17.975	ug/l	99
89) n-Butylbenzene	14.053	91	103559	18.649	ug/l	98
90) Hexachloroethane	14.329	117	27141	17.249	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	76225	17.839	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10795	18.692	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	39028	18.166	ug/l	98
94) Hexachlorobutadiene	15.494	225	22741	18.244	ug/l	98
95) Naphthalene	15.635	128	115493	18.564	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	38684	18.975	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085998.D
Acq On : 18 Mar 2025 12:32
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:54:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

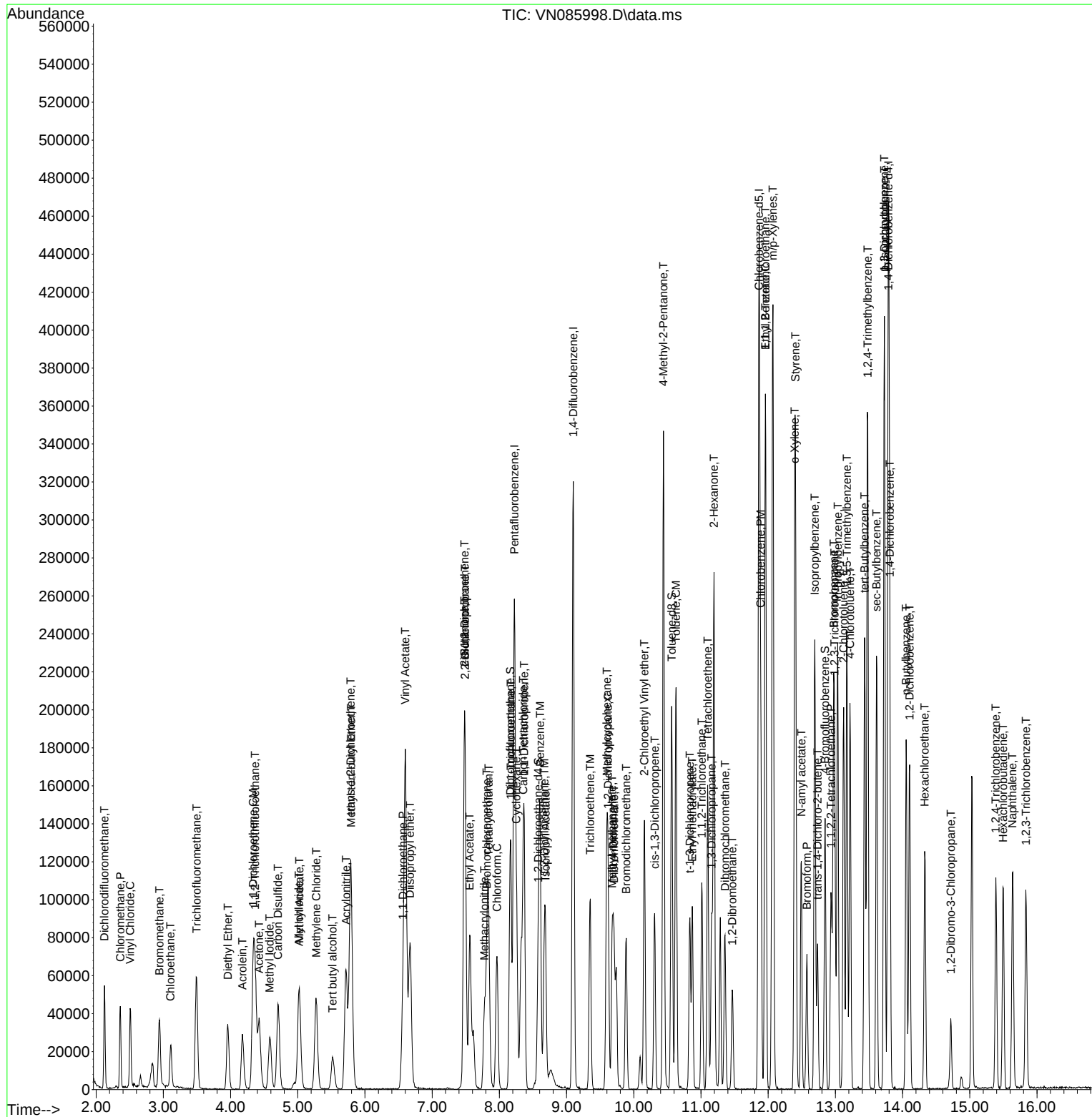
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085999.D
 Acq On : 18 Mar 2025 12:57
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Quant Time: Mar 19 02:55:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	177085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	284484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	25519	10.524	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	21.040%#		
35) Dibromofluoromethane	8.159	113	20600	10.374	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	20.740%#		
50) Toluene-d8	10.565	98	73317	10.174	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	20.340%#		
62) 4-Bromofluorobenzene	12.847	95	25049	9.746	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	19.500%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	22978	9.794	ug/l	100
3) Chloromethane	2.359	50	19259	9.364	ug/l	99
4) Vinyl Chloride	2.512	62	20562	9.778	ug/l	97
5) Bromomethane	2.965	94	14539	10.150	ug/l	95
6) Chloroethane	3.118	64	13400	10.101	ug/l	98
7) Trichlorofluoromethane	3.494	101	36653	9.696	ug/l	96
8) Diethyl Ether	3.959	74	11412	9.861	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	19603	9.757	ug/l	98
10) Methyl Iodide	4.589	142	25149	9.606	ug/l #	94
11) Tert butyl alcohol	5.530	59	17174	50.023	ug/l #	88
12) 1,1-Dichloroethene	4.341	96	19300	10.638	ug/l	99
13) Acrolein	4.177	56	17536	47.889	ug/l	99
14) Allyl chloride	5.030	41	21799	9.631	ug/l	99
15) Acrylonitrile	5.718	53	45069	49.706	ug/l	99
16) Acetone	4.424	43	34466	46.524	ug/l	93
17) Carbon Disulfide	4.712	76	57012	9.555	ug/l	99
18) Methyl Acetate	5.018	43	17854	9.741	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	56795	9.553	ug/l	98
20) Methylene Chloride	5.271	84	20262	9.349	ug/l	98
21) trans-1,2-Dichloroethene	5.788	96	19340	9.754	ug/l	95
22) Diisopropyl ether	6.677	45	49389	10.240	ug/l	95
23) Vinyl Acetate	6.606	43	180182	49.277	ug/l	97
24) 1,1-Dichloroethane	6.571	63	34294	9.669	ug/l	97
25) 2-Butanone	7.488	43	52665	49.267	ug/l	93
26) 2,2-Dichloropropane	7.482	77	32775	9.598	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	21843	9.695	ug/l	97
28) Bromochloromethane	7.812	49	14293	9.512	ug/l	98
29) Tetrahydrofuran	7.841	42	33470	50.716	ug/l	98
30) Chloroform	7.965	83	38998	9.948	ug/l	95
31) Cyclohexane	8.259	56	30234	10.006	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	36307	9.784	ug/l	98
36) 1,1-Dichloropropene	8.371	75	25215	9.644	ug/l	99
37) Ethyl Acetate	7.559	43	22354	10.134	ug/l	99
38) Carbon Tetrachloride	8.359	117	33005	9.601	ug/l	89
39) Methylcyclohexane	9.600	83	22685	8.745	ug/l	89
40) Benzene	8.606	78	78849	9.606	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN085999.D
 Acq On : 18 Mar 2025 12:57
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:55:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	10855	10.306	ug/l	97
42) 1,2-Dichloroethane	8.671	62	27959	9.776	ug/l	98
43) Isopropyl Acetate	8.688	43	50383m	10.518	ug/l	
44) Trichloroethene	9.353	130	20094	9.446	ug/l	92
45) 1,2-Dichloropropane	9.623	63	18278	9.791	ug/l	97
46) Dibromomethane	9.706	93	14254	9.709	ug/l	98
47) Bromodichloromethane	9.888	83	29326	9.558	ug/l #	99
48) Methyl methacrylate	9.676	41	15095	9.570	ug/l	99
49) 1,4-Dioxane	9.694	88	8137	218.227	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	108196	51.326	ug/l	97
52) Toluene	10.629	92	49947	9.915	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	28817	9.670	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	31572	10.042	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	18779	9.767	ug/l	94
56) Ethyl methacrylate	10.870	69	25340	10.180	ug/l	97
57) 1,3-Dichloropropane	11.159	76	32516	9.957	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	56781	60.781	ug/l	99
59) 2-Hexanone	11.194	43	76690	49.939	ug/l	97
60) Dibromochloromethane	11.359	129	24029	9.685	ug/l	98
61) 1,2-Dibromoethane	11.470	107	19500	9.879	ug/l	97
64) Tetrachloroethene	11.100	164	19436	9.781	ug/l	95
65) Chlorobenzene	11.888	112	55590	9.752	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	20639	9.740	ug/l	97
67) Ethyl Benzene	11.959	91	88133	9.666	ug/l	97
68) m/p-Xylenes	12.070	106	68738	19.180	ug/l	99
69) o-Xylene	12.400	106	32135	9.770	ug/l	99
70) Styrene	12.412	104	51989	9.254	ug/l	98
71) Bromoform	12.576	173	17048	9.624	ug/l #	98
73) Isopropylbenzene	12.694	105	78299	10.163	ug/l	98
74) N-amyl acetate	12.488	43	26009	10.090	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	26865	10.307	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	26024m	10.117	ug/l	
77) Bromobenzene	12.976	156	21805	10.150	ug/l	98
78) n-propylbenzene	13.035	91	87149	9.989	ug/l	100
79) 2-Chlorotoluene	13.123	91	58382	10.075	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	65511	10.071	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	9044	9.466	ug/l	95
82) 4-Chlorotoluene	13.217	91	60050	10.077	ug/l	100
83) tert-Butylbenzene	13.435	119	56793	10.208	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	66424	10.124	ug/l	99
85) sec-Butylbenzene	13.611	105	73271	10.096	ug/l	100
86) p-Isopropyltoluene	13.723	119	60661	9.874	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	39474	10.194	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	39616	9.737	ug/l	97
89) n-Butylbenzene	14.053	91	46910	9.376	ug/l	97
90) Hexachloroethane	14.329	117	13417	9.464	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	37747	9.805	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	5994	11.520	ug/l	88
93) 1,2,4-Trichlorobenzene	15.388	180	18382	9.497	ug/l	99
94) Hexachlorobutadiene	15.500	225	11293	10.056	ug/l	98
95) Naphthalene	15.635	128	54670	9.754	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	17914	9.753	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085999.D
Acq On : 18 Mar 2025 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:55:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

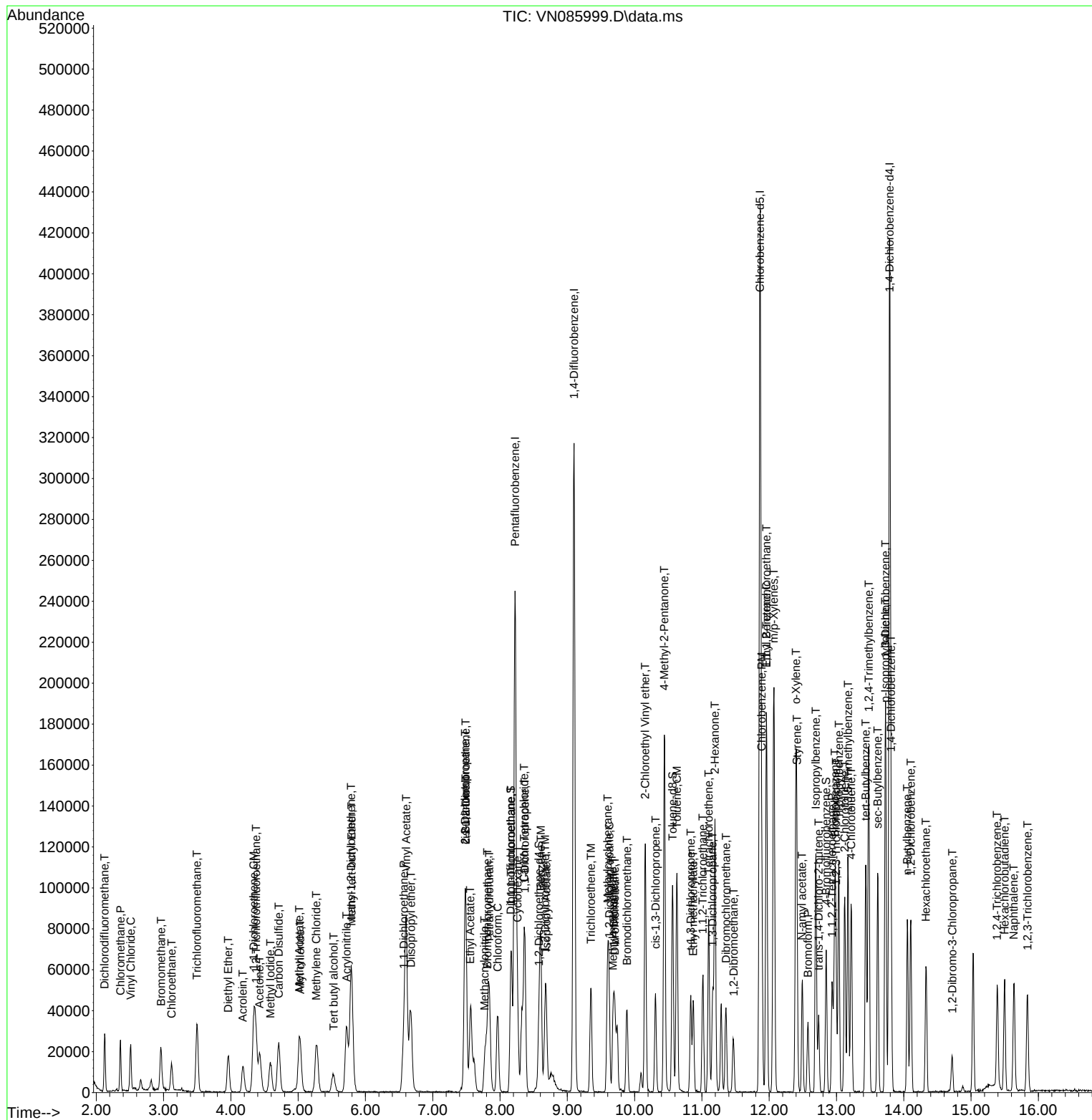
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086000.D
 Acq On : 18 Mar 2025 13:21
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:56:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	163796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	232728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	12074	5.383	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.760%#		
35) Dibromofluoromethane	8.165	113	9983	5.274	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.540%#		
50) Toluene-d8	10.565	98	32999	4.803	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.600%#		
62) 4-Bromofluorobenzene	12.847	95	10615	4.332	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	8.660%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	11420	5.263	ug/l	92
3) Chloromethane	2.359	50	10021	5.268	ug/l	99
4) Vinyl Chloride	2.506	62	10389	5.341	ug/l	100
5) Bromomethane	2.942	94	7641	5.767	ug/l	94
6) Chloroethane	3.106	64	6607	5.384	ug/l	94
7) Trichlorofluoromethane	3.489	101	18136	5.187	ug/l	94
8) Diethyl Ether	3.965	74	5061	4.728	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	9669	5.203	ug/l	97
10) Methyl Iodide	4.589	142	12547	5.181	ug/l	94
11) Tert butyl alcohol	5.518	59	8843	27.847	ug/l #	93
12) 1,1-Dichloroethene	4.336	96	9006	5.367	ug/l	91
13) Acrolein	4.183	56	9429	27.839	ug/l	97
14) Allyl chloride	5.018	41	11201	5.350	ug/l	95
15) Acrylonitrile	5.724	53	22174	26.440	ug/l	98
16) Acetone	4.436	43	17456	25.474	ug/l	96
17) Carbon Disulfide	4.706	76	28904	5.237	ug/l	98
18) Methyl Acetate	5.024	43	8878	5.237	ug/l	96
19) Methyl tert-butyl Ether	5.794	73	26823	4.878	ug/l	94
20) Methylene Chloride	5.277	84	10471	5.223	ug/l	86
21) trans-1,2-Dichloroethene	5.783	96	9241	5.039	ug/l	85
22) Diisopropyl ether	6.671	45	22716	5.092	ug/l	91
23) Vinyl Acetate	6.606	43	83783	24.772	ug/l	98
24) 1,1-Dichloroethane	6.571	63	16897	5.151	ug/l	99
25) 2-Butanone	7.482	43	26095	26.392	ug/l	96
26) 2,2-Dichloropropane	7.488	77	16658	5.274	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	10741	5.154	ug/l	98
28) Bromochloromethane	7.812	49	7039	5.064	ug/l #	99
29) Tetrahydrofuran	7.847	42	16104	26.382	ug/l	97
30) Chloroform	7.965	83	18814	5.188	ug/l	95
31) Cyclohexane	8.247	56	15682	5.611	ug/l	87
32) 1,1,1-Trichloroethane	8.165	97	17962	5.233	ug/l	92
36) 1,1-Dichloropropene	8.365	75	12303	4.936	ug/l	96
37) Ethyl Acetate	7.565	43	11164	5.309	ug/l	98
38) Carbon Tetrachloride	8.359	117	16628	5.074	ug/l	99
39) Methylcyclohexane	9.600	83	11562	4.675	ug/l #	86
40) Benzene	8.606	78	39414	5.037	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086000.D
 Acq On : 18 Mar 2025 13:21
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:56:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	5095	5.074	ug/l	94
42) 1,2-Dichloroethane	8.671	62	14311	5.249	ug/l	97
43) Isopropyl Acetate	8.688	43	22794	4.992	ug/l #	87
44) Trichloroethene	9.353	130	10304	5.081	ug/l	93
45) 1,2-Dichloropropane	9.618	63	9026	5.071	ug/l	100
46) Dibromomethane	9.706	93	7270	5.194	ug/l	95
47) Bromodichloromethane	9.888	83	15203	5.197	ug/l	93
48) Methyl methacrylate	9.682	41	6970	4.635	ug/l	95
49) 1,4-Dioxane	9.700	88	3831	107.772	ug/l #	89
51) 4-Methyl-2-Pentanone	10.441	43	50081	24.920	ug/l	95
52) Toluene	10.629	92	23224	4.836	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	13594	4.785	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	14556	4.856	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	9178	5.007	ug/l	95
56) Ethyl methacrylate	10.870	69	11206	4.940	ug/l	93
57) 1,3-Dichloropropane	11.165	76	15126	4.858	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	25811	31.548	ug/l	100
59) 2-Hexanone	11.194	43	35455	24.217	ug/l	96
60) Dibromochloromethane	11.359	129	11813	4.994	ug/l	99
61) 1,2-Dibromoethane	11.465	107	9143	4.859	ug/l	90
64) Tetrachloroethene	11.106	164	9809	5.284	ug/l	93
65) Chlorobenzene	11.888	112	26908	5.053	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	10358	5.232	ug/l	96
67) Ethyl Benzene	11.965	91	40845	4.795	ug/l	99
68) m/p-Xylenes	12.065	106	30743	9.182	ug/l	98
69) o-Xylene	12.400	106	13604	4.427	ug/l	94
70) Styrene	12.406	104	24028	4.578	ug/l	99
71) Bromoform	12.570	173	8257	4.989	ug/l #	95
73) Isopropylbenzene	12.694	105	35476	4.780	ug/l	99
74) N-amyl acetate	12.494	43	11933	4.806	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	13700	5.457	ug/l	94
76) 1,2,3-Trichloropropane	12.988	75	13734m	5.543	ug/l	
77) Bromobenzene	12.976	156	10805	5.222	ug/l	94
78) n-propylbenzene	13.035	91	40052	4.766	ug/l	98
79) 2-Chlorotoluene	13.123	91	27970	5.011	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	28674	4.576	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	4314	4.688	ug/l	96
82) 4-Chlorotoluene	13.217	91	27891	4.859	ug/l	98
83) tert-Butylbenzene	13.435	119	24760	4.621	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	29165	4.615	ug/l	100
85) sec-Butylbenzene	13.617	105	32694	4.677	ug/l	97
86) p-Isopropyltoluene	13.729	119	26188	4.425	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	18666	5.004	ug/l	97
88) 1,4-Dichlorobenzene	13.806	146	20725	5.288	ug/l	96
89) n-Butylbenzene	14.059	91	21529	4.468	ug/l	96
90) Hexachloroethane	14.335	117	7037	5.154	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	18733	5.052	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	2714	5.415	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	9252	4.962	ug/l	95
94) Hexachlorobutadiene	15.500	225	5668	5.240	ug/l	97
95) Naphthalene	15.641	128	24023	4.450	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	8594	4.858	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086000.D
Acq On : 18 Mar 2025 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

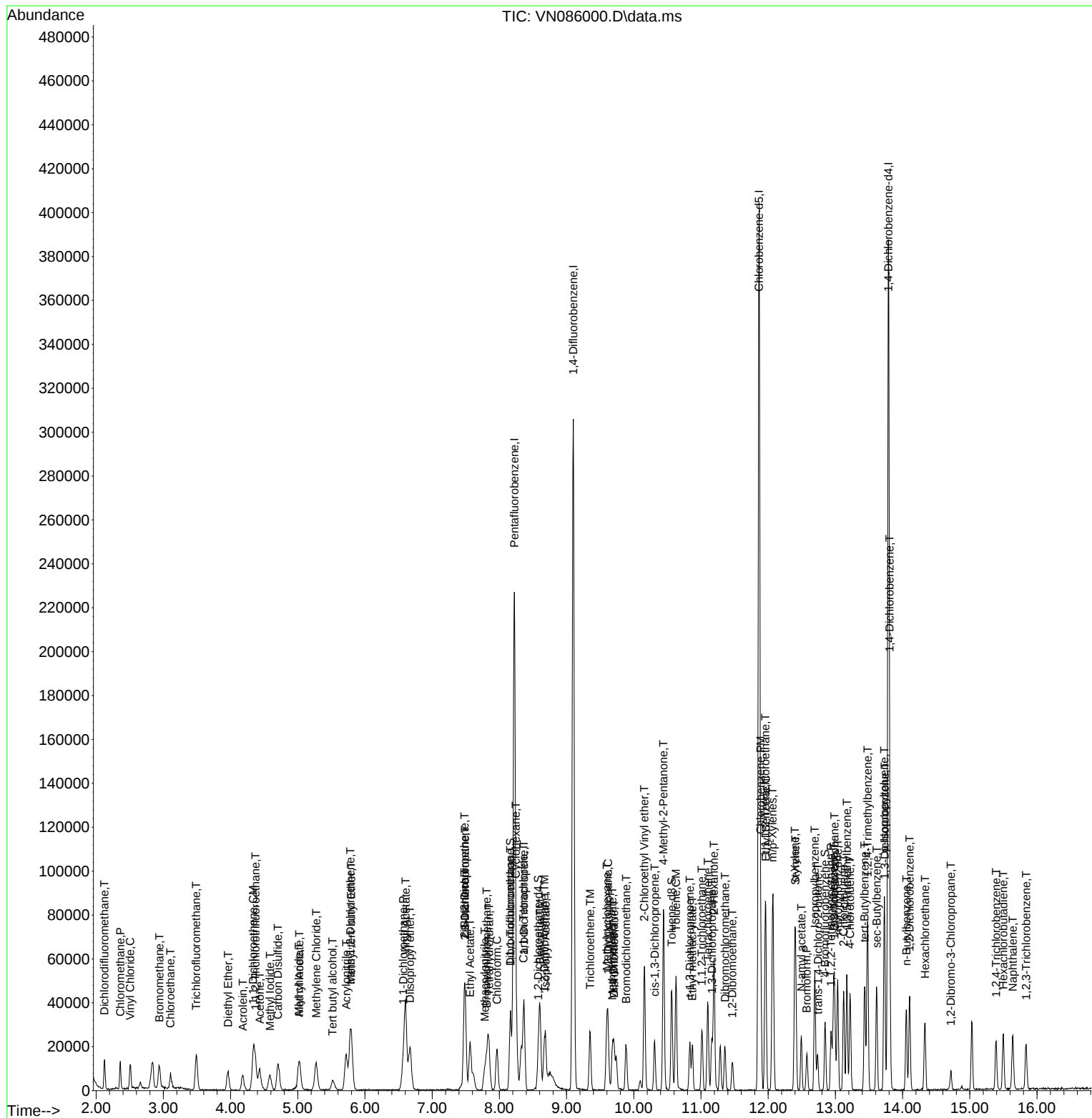
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086000.D
Acq On : 18 Mar 2025 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 02:30:27 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086001.D
 Acq On : 18 Mar 2025 14:09
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Quant Time: Mar 19 02:57:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	145853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	249612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	206893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	83272	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	1979	1.024	ug/l	86
3) Chloromethane	2.359	50	1992	1.176	ug/l	99
4) Vinyl Chloride	2.512	62	1726	0.996	ug/l #	74
6) Chloroethane	3.124	64	1302	1.192	ug/l	90
7) Trichlorofluoromethane	3.500	101	3696	1.187	ug/l	86
8) Diethyl Ether	3.959	74	980	1.028	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.365	101	1923m	1.162	ug/l	
12) 1,1-Dichloroethene	4.347	96	1210	0.810	ug/l #	69
14) Allyl chloride	5.024	41	1936	1.039	ug/l #	85
15) Acrylonitrile	5.724	53	3682	4.930	ug/l #	68
16) Acetone	4.436	43	3256	5.336	ug/l	99
17) Carbon Disulfide	4.706	76	6146	1.251	ug/l #	94
18) Methyl Acetate	5.024	43	1947	1.290	ug/l #	77
19) Methyl tert-butyl Ether	5.794	73	4880	0.997	ug/l #	91
20) Methylene Chloride	5.271	84	2132	1.194	ug/l #	80
21) trans-1,2-Dichloroethene	5.794	96	1725	1.056	ug/l #	76
22) Diisopropyl ether	6.677	45	3402m	0.856	ug/l	
23) Vinyl Acetate	6.606	43	12634	4.195	ug/l	98
24) 1,1-Dichloroethane	6.577	63	3295m	1.128	ug/l	
25) 2-Butanone	7.482	43	4310	4.895	ug/l	95
26) 2,2-Dichloropropane	7.482	77	2930	1.042	ug/l #	68
27) cis-1,2-Dichloroethene	7.488	96	1845	0.994	ug/l	90
28) Bromochloromethane	7.812	49	1520	1.228	ug/l #	98
29) Tetrahydrofuran	7.841	42	2219	4.082	ug/l #	81
30) Chloroform	7.959	83	3631	1.125	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	3278	1.072	ug/l #	42
36) 1,1-Dichloropropene	8.376	75	2281	0.994	ug/l	97
37) Ethyl Acetate	7.559	43	1939m	1.002	ug/l	
38) Carbon Tetrachloride	8.365	117	3114	1.032	ug/l #	95
39) Methylcyclohexane	9.594	83	2186	0.960	ug/l	92
40) Benzene	8.606	78	7317	1.016	ug/l	96
41) Methacrylonitrile	7.777	41	657	0.711	ug/l #	72
42) 1,2-Dichloroethane	8.671	62	2601	1.036	ug/l	80
43) Isopropyl Acetate	8.694	43	5607	1.334	ug/l #	75
44) Trichloroethene	9.347	130	2173	1.164	ug/l	74
45) 1,2-Dichloropropane	9.623	63	1541	0.941	ug/l #	83

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086001.D
 Acq On : 18 Mar 2025 14:09
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 02:57:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 02:30:27 2025
 Response via : Initial Calibration

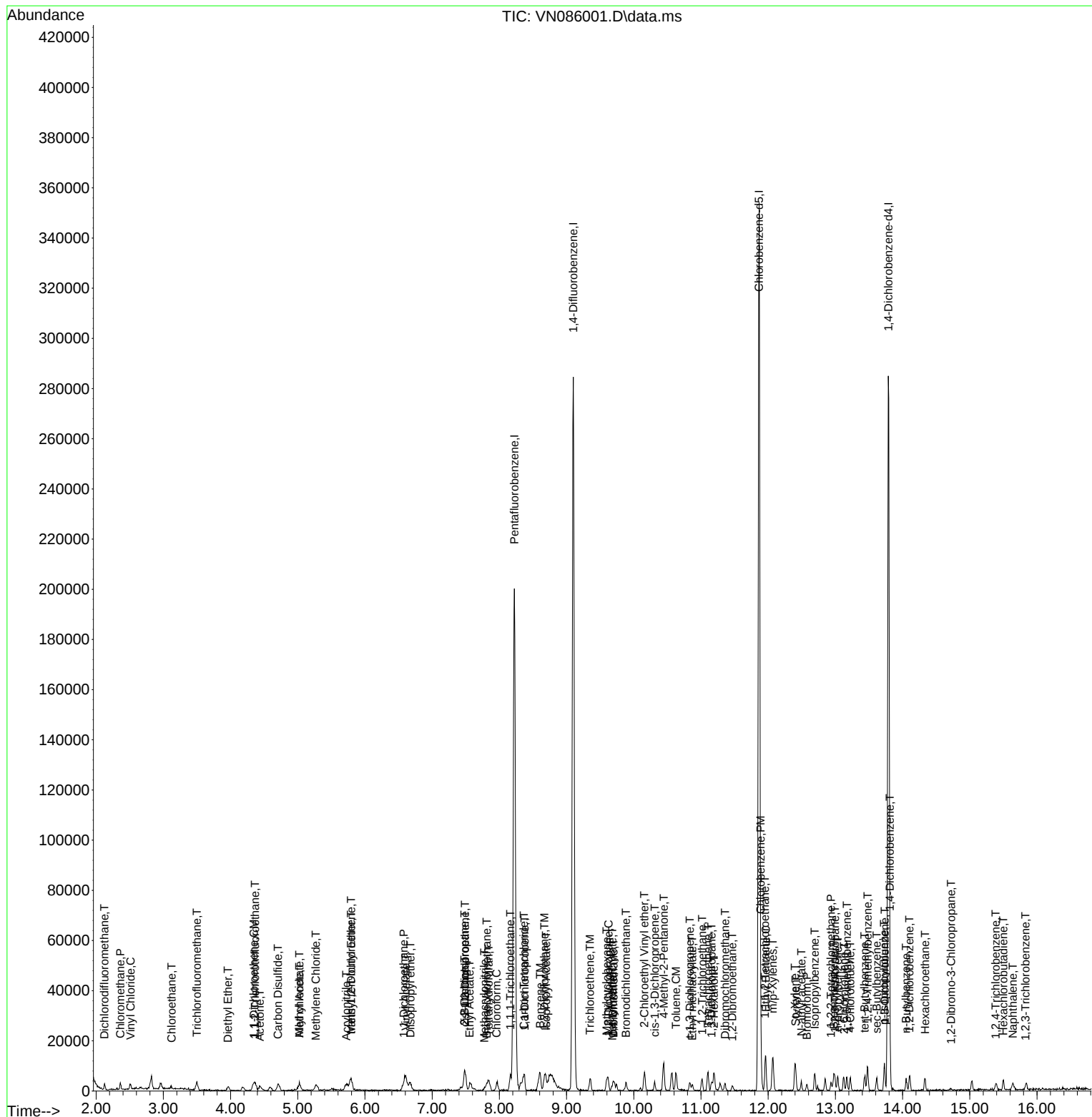
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.700	93	1370	1.064	ug/l	90
47) Bromodichloromethane	9.882	83	2680	0.995	ug/l #	82
48) Methyl methacrylate	9.682	41	1275	0.921	ug/l #	77
49) 1,4-Dioxane	9.688	88	458	13.999	ug/l #	47
51) 4-Methyl-2-Pentanone	10.447	43	7154	3.868	ug/l	94
52) Toluene	10.629	92	3631	0.821	ug/l	95
53) t-1,3-Dichloropropene	10.835	75	2225	0.851	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	2318	0.840	ug/l	89
55) 1,1,2-Trichloroethane	11.018	97	1670	0.990	ug/l #	86
56) Ethyl methacrylate	10.870	69	1488	0.886	ug/l	90
57) 1,3-Dichloropropane	11.159	76	2752	0.960	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	3357	7.514	ug/l	99
59) 2-Hexanone	11.194	43	5032	3.734	ug/l	87
60) Dibromochloromethane	11.359	129	2077	0.954	ug/l	92
61) 1,2-Dibromoethane	11.465	107	1624	0.938	ug/l	94
64) Tetrachloroethene	11.106	164	1792	1.086	ug/l	92
65) Chlorobenzene	11.888	112	5000	1.056	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.953	131	1843	1.047	ug/l #	66
67) Ethyl Benzene	11.964	91	6561	0.866	ug/l	99
68) m/p-Xylenes	12.070	106	5319	1.787	ug/l	82
69) o-Xylene	12.400	106	2200	0.805	ug/l	92
70) Styrene	12.412	104	3823	0.819	ug/l	87
71) Bromoform	12.576	173	1536	1.044	ug/l #	91
73) Isopropylbenzene	12.694	105	5061	0.890	ug/l	97
74) N-amyl acetate	12.494	43	1639	0.861	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	2184	1.135	ug/l #	91
76) 1,2,3-Trichloropropane	12.994	75	1541m	0.812	ug/l	
77) Bromobenzene	12.976	156	1666	1.051	ug/l	98
78) n-propylbenzene	13.035	91	5242	0.814	ug/l	98
79) 2-Chlorotoluene	13.129	91	3888	0.909	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	3984	0.830	ug/l	97
82) 4-Chlorotoluene	13.223	91	4068	0.925	ug/l	100
83) tert-Butylbenzene	13.435	119	3963	0.965	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	3881	0.801	ug/l	97
85) sec-Butylbenzene	13.617	105	4035	0.753	ug/l	99
86) p-Isopropyltoluene	13.723	119	3477	0.767	ug/l	93
87) 1,3-Dichlorobenzene	13.735	146	2812	0.984	ug/l	92
88) 1,4-Dichlorobenzene	13.811	146	3403m	1.133	ug/l	
89) n-Butylbenzene	14.053	91	3124	0.846	ug/l	93
90) Hexachloroethane	14.335	117	1276	1.220	ug/l	76
91) 1,2-Dichlorobenzene	14.100	146	3337	1.174	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	319	0.831	ug/l #	20
93) 1,2,4-Trichlorobenzene	15.388	180	1497	1.048	ug/l	94
94) Hexachlorobutadiene	15.500	225	965	1.164	ug/l	80
95) Naphthalene	15.641	128	4162	1.006	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.829	180	1329	0.980	ug/l #	86

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031825

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	185181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	294426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	272136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	140427	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125581	49.524	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.040%		
35) Dibromofluoromethane	8.165	113	100012	48.666	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.340%		
50) Toluene-d8	10.565	98	385868	51.736	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.480%		
62) 4-Bromofluorobenzene	12.847	95	141589	53.231	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	106.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	137956	56.232	ug/l	99
3) Chloromethane	2.359	50	112934	52.508	ug/l	99
4) Vinyl Chloride	2.512	62	123086	55.971	ug/l	98
5) Bromomethane	2.948	94	77255	51.574	ug/l	97
6) Chloroethane	3.112	64	70967	51.154	ug/l	90
7) Trichlorofluoromethane	3.495	101	209962	53.112	ug/l	97
8) Diethyl Ether	3.953	74	68372	56.496	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	111303	52.975	ug/l	100
10) Methyl Iodide	4.583	142	155175	56.682	ug/l	94
11) Tert butyl alcohol	5.512	59	85582	238.378	ug/l	99
12) 1,1-Dichloroethene	4.336	96	108747	57.321	ug/l	97
13) Acrolein	4.177	56	104529	272.978	ug/l	100
14) Allyl chloride	5.012	41	133855	56.555	ug/l	98
15) Acrylonitrile	5.712	53	246595	260.076	ug/l	98
16) Acetone	4.418	43	183647	237.056	ug/l	98
17) Carbon Disulfide	4.712	76	317235	50.845	ug/l	98
18) Methyl Acetate	5.012	43	95164	49.649	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	363920	58.538	ug/l	97
20) Methylene Chloride	5.271	84	121113	53.440	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	115247	55.586	ug/l	97
22) Diisopropyl ether	6.665	45	300680	59.615	ug/l	97
23) Vinyl Acetate	6.600	43	1129550	295.428	ug/l	100
24) 1,1-Dichloroethane	6.565	63	203556	54.884	ug/l	99
25) 2-Butanone	7.477	43	283608	253.710	ug/l	99
26) 2,2-Dichloropropane	7.483	77	198771	55.667	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	134668	57.158	ug/l	98
28) Bromochloromethane	7.812	49	68612	43.664	ug/l	98
29) Tetrahydrofuran	7.836	42	185823	269.263	ug/l	99
30) Chloroform	7.959	83	222991	54.394	ug/l	99
31) Cyclohexane	8.253	56	172895	54.721	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	215524	55.539	ug/l	98
36) 1,1-Dichloropropene	8.371	75	155704	57.540	ug/l	100
37) Ethyl Acetate	7.559	43	115871	50.756	ug/l	97
38) Carbon Tetrachloride	8.359	117	201085	56.517	ug/l	95
39) Methylcyclohexane	9.600	83	163279	60.818	ug/l	98
40) Benzene	8.600	78	483089	56.869	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031825

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/19/2025
 Supervised By : Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	63723	58.457	ug/l	94
42) 1,2-Dichloroethane	8.665	62	162271	54.822	ug/l	100
43) Isopropyl Acetate	8.683	43	203943	41.226	ug/l	99
44) Trichloroethene	9.347	130	117248	53.255	ug/l	96
45) 1,2-Dichloropropane	9.618	63	111560	57.740	ug/l	97
46) Dibromomethane	9.706	93	85108	56.012	ug/l	98
47) Bromodichloromethane	9.882	83	177051	55.753	ug/l	95
48) Methyl methacrylate	9.677	41	94275	57.751	ug/l	98
49) 1,4-Dioxane	9.688	88	40821	1057.815	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	607531	278.467	ug/l	99
52) Toluene	10.629	92	314632	60.348	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	184084	59.689	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	194976	59.921	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	111563	56.064	ug/l	97
56) Ethyl methacrylate	10.871	69	174971	55.208	ug/l	99
57) 1,3-Dichloropropane	11.159	76	194964	57.684	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	382073	306.978	ug/l	99
59) 2-Hexanone	11.194	43	448560	282.228	ug/l	98
60) Dibromochloromethane	11.353	129	147588	57.477	ug/l	98
61) 1,2-Dibromoethane	11.465	107	117559	57.545	ug/l	99
64) Tetrachloroethene	11.100	164	114717	52.844	ug/l	97
65) Chlorobenzene	11.888	112	334921	53.783	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	126196	54.515	ug/l	98
67) Ethyl Benzene	11.959	91	593609	59.592	ug/l	99
68) m/p-Xylenes	12.065	106	472258	120.622	ug/l	99
69) o-Xylene	12.394	106	223040	62.069	ug/l	100
70) Styrene	12.406	104	378434	61.658	ug/l	99
71) Bromoform	12.576	173	103943	53.714	ug/l #	99
73) Isopropylbenzene	12.694	105	562565	58.664	ug/l	100
74) N-amyl acetate	12.488	43	182359	56.839	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	160871	49.586	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	153873m	48.944	ug/l	
77) Bromobenzene	12.976	156	142234	53.193	ug/l	98
78) n-propylbenzene	13.035	91	660295	60.807	ug/l	100
79) 2-Chlorotoluene	13.123	91	414442	57.461	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	491547	60.712	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	68481	57.589	ug/l	93
82) 4-Chlorotoluene	13.218	91	422016	56.898	ug/l	99
83) tert-Butylbenzene	13.435	119	405831	58.608	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	503636	61.674	ug/l	99
85) sec-Butylbenzene	13.612	105	567954	62.874	ug/l	99
86) p-Isopropyltoluene	13.723	119	488020	63.821	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	267129	55.423	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	262223	51.782	ug/l	99
89) n-Butylbenzene	14.053	91	393994	63.272	ug/l	99
90) Hexachloroethane	14.329	117	93033	52.727	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	254035	53.019	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33218	51.293	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	131782	54.700	ug/l	98
94) Hexachlorobutadiene	15.494	225	70418	50.380	ug/l	99
95) Naphthalene	15.635	128	378782	54.297	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	127760	55.887	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Manual Integrations

Reviewed By :John Carlone 03/19/2025
Supervised By :Mahesh Dadoda 03/19/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN031825

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 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	97	0.00
2 T	Dichlorodifluoromethane	0.662	0.745	-12.5	112	0.00
3 P	Chloromethane	0.581	0.610	-5.0	106	0.00
4 C	Vinyl Chloride	0.594	0.665	-12.0#	109	0.00
5 T	Bromomethane	0.404	0.417	-3.2	106	0.00
6 T	Chloroethane	0.375	0.383	-2.1	113	0.00
7 T	Trichlorofluoromethane	1.067	1.134	-6.3	112	0.00
8 T	Diethyl Ether	0.327	0.369	-12.8	110	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.567	0.601	-6.0	113	0.00
10 T	Methyl Iodide	0.739	0.838	-13.4	112	0.00
11 T	Tert butyl alcohol	0.097	0.092	5.2	95	-0.01
12 CM	1,1-Dichloroethene	0.512	0.587	-14.6#	110	0.00
13 T	Acrolein	0.103	0.113	-9.7	110	0.00
14 T	Allyl chloride	0.639	0.723	-13.1	114	0.00
15 T	Acrylonitrile	0.256	0.266	-3.9	104	0.00
16 T	Acetone	0.209	0.198	5.3	99	0.00
17 T	Carbon Disulfide	1.685	1.713	-1.7	110	0.00
18 T	Methyl Acetate	0.518	0.514	0.8	106	-0.01
19 T	Methyl tert-butyl Ether	1.679	1.965	-17.0	113	0.00
20 T	Methylene Chloride	0.612	0.654	-6.9	112	0.00
21 T	trans-1,2-Dichloroethene	0.560	0.622	-11.1	113	0.00
22 T	Diisopropyl ether	1.362	1.624	-19.2	114	0.00
23 T	Vinyl Acetate	1.032	1.220	-18.2	111	0.00
24 P	1,1-Dichloroethane	1.001	1.099	-9.8	112	0.00
25 T	2-Butanone	0.302	0.306	-1.3	102	0.00
26 T	2,2-Dichloropropane	0.964	1.073	-11.3	112	0.00
27 T	cis-1,2-Dichloroethene	0.636	0.727	-14.3	111	0.00
28 T	Bromochloromethane	0.424	0.371	12.5	92	0.00
29 T	Tetrahydrofuran	0.186	0.201	-8.1	100	0.00
30 C	Chloroform	1.107	1.204	-8.8#	115	0.00
31 T	Cyclohexane	0.853	0.934	-9.5	113	0.00
32 T	1,1,1-Trichloroethane	1.048	1.164	-11.1	114	0.00
33 S	1,2-Dichloroethane-d4	0.685	0.678	1.0	99	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35 S	Dibromofluoromethane	0.349	0.340	2.6	98	0.00
36 T	1,1-Dichloropropene	0.460	0.529	-15.0	113	0.00
37 T	Ethyl Acetate	0.388	0.394	-1.5	104	0.00
38 T	Carbon Tetrachloride	0.604	0.683	-13.1	114	0.00
39 T	Methylcyclohexane	0.456	0.555	-21.7	113	0.00
40 TM	Benzene	1.443	1.641	-13.7	114	0.00
41 T	Methacrylonitrile	0.185	0.216	-16.8	109	0.00
42 TM	1,2-Dichloroethane	0.503	0.551	-9.5	112	0.00
43 T	Isopropyl Acetate	0.840	0.693	17.5	98	0.00
44 TM	Trichloroethene	0.374	0.398	-6.4	112	0.00
45 C	1,2-Dichloropropane	0.328	0.379	-15.5#	115	0.00
46 T	Dibromomethane	0.258	0.289	-12.0	115	0.00
47 T	Bromodichloromethane	0.539	0.601	-11.5	113	0.00
48 T	Methyl methacrylate	0.277	0.320	-15.5	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN031825

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 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	0.007	0.007	0.0	98	0.00
50 S	Toluene-d8	1.267	1.311	-3.5	100	0.00
51 T	4-Methyl-2-Pentanone	0.371	0.413	-11.3	104	0.00
52 CM	Toluene	0.885	1.069	-20.8#	113	0.00
53 T	t-1,3-Dichloropropene	0.524	0.625	-19.3	112	0.00
54 T	cis-1,3-Dichloropropene	0.553	0.662	-19.7	113	0.00
55 T	1,1,2-Trichloroethane	0.338	0.379	-12.1	112	0.00
56 T	Ethyl methacrylate	0.463	0.594	-28.3#	109	0.00
57 T	1,3-Dichloropropane	0.574	0.662	-15.3	113	0.00
58 T	2-Chloroethyl Vinyl ether	0.183	0.260	-42.1#	118	0.00
59 T	2-Hexanone	0.270	0.305	-13.0	104	0.00
60 T	Dibromochloromethane	0.436	0.501	-14.9	112	0.00
61 T	1,2-Dibromoethane	0.347	0.399	-15.0	110	0.00
62 S	4-Bromofluorobenzene	0.452	0.481	-6.4	100	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64 T	Tetrachloroethene	0.399	0.422	-5.8	113	0.00
65 PM	Chlorobenzene	1.144	1.231	-7.6	113	0.00
66 T	1,1,1,2-Tetrachloroethane	0.425	0.464	-9.2	113	0.00
67 C	Ethyl Benzene	1.830	2.181	-19.2#	113	0.00
68 T	m/p-Xylenes	0.719	0.868	-20.7	114	0.00
69 T	o-Xylene	0.660	0.820	-24.2	114	0.00
70 T	Styrene	1.128	1.391	-23.3	113	0.00
71 P	Bromoform	0.356	0.382	-7.3	110	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73 T	Isopropylbenzene	3.414	4.006	-17.3	113	0.00
74 T	N-amyl acetate	1.142	1.299	-13.7	108	0.00
75 P	1,1,2,2-Tetrachloroethane	1.155	1.146	0.8	111	0.00
76 T	1,2,3-Trichloropropane	1.119	1.096	2.1	96	0.00
77 T	Bromobenzene	0.952	1.013	-6.4	113	0.00
78 T	n-propylbenzene	3.866	4.702	-21.6	114	0.00
79 T	2-Chlorotoluene	2.568	2.951	-14.9	115	0.00
80 T	1,3,5-Trimethylbenzene	2.883	3.500	-21.4	114	0.00
81 T	trans-1,4-Dichloro-2-butene	0.423	0.488	-15.4	120	0.00
82 T	4-Chlorotoluene	2.641	3.005	-13.8	114	0.00
83 T	tert-Butylbenzene	2.466	2.890	-17.2	116	0.00
84 T	1,2,4-Trimethylbenzene	2.908	3.586	-23.3	117	0.00
85 T	sec-Butylbenzene	3.216	4.044	-25.7#	117	0.00
86 T	p-Isopropyltoluene	2.723	3.475	-27.6#	117	0.00
87 T	1,3-Dichlorobenzene	1.716	1.902	-10.8	115	0.00
88 T	1,4-Dichlorobenzene	1.803	1.867	-3.5	114	0.00
89 T	n-Butylbenzene	2.217	2.806	-26.6#	118	0.00
90 T	Hexachloroethane	0.628	0.663	-5.6	116	0.00
91 T	1,2-Dichlorobenzene	1.706	1.809	-6.0	115	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.231	0.237	-2.6	109	0.00
93 T	1,2,4-Trichlorobenzene	0.858	0.938	-9.3	112	0.00
94 T	Hexachlorobutadiene	0.498	0.501	-0.6	115	0.00
95 T	Naphthalene	2.484	2.697	-8.6	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
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	0.814	0.910	-11.8	112	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031825

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 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	97	0.00
2 T	Dichlorodifluoromethane	50.000	56.232	-12.5	112	0.00
3 P	Chloromethane	50.000	52.508	-5.0	106	0.00
4 C	Vinyl Chloride	50.000	55.971	-11.9#	109	0.00
5 T	Bromomethane	50.000	51.574	-3.1	106	0.00
6 T	Chloroethane	50.000	51.154	-2.3	113	0.00
7 T	Trichlorofluoromethane	50.000	53.112	-6.2	112	0.00
8 T	Diethyl Ether	50.000	56.496	-13.0	110	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	52.975	-6.0	113	0.00
10 T	Methyl Iodide	50.000	56.682	-13.4	112	0.00
11 T	Tert butyl alcohol	250.000	238.378	4.6	95	-0.01
12 CM	1,1-Dichloroethene	50.000	57.321	-14.6#	110	0.00
13 T	Acrolein	250.000	272.978	-9.2	110	0.00
14 T	Allyl chloride	50.000	56.555	-13.1	114	0.00
15 T	Acrylonitrile	250.000	260.076	-4.0	104	0.00
16 T	Acetone	250.000	237.056	5.2	99	0.00
17 T	Carbon Disulfide	50.000	50.845	-1.7	110	0.00
18 T	Methyl Acetate	50.000	49.649	0.7	106	-0.01
19 T	Methyl tert-butyl Ether	50.000	58.538	-17.1	113	0.00
20 T	Methylene Chloride	50.000	53.440	-6.9	112	0.00
21 T	trans-1,2-Dichloroethene	50.000	55.586	-11.2	113	0.00
22 T	Diisopropyl ether	50.000	59.615	-19.2	114	0.00
23 T	Vinyl Acetate	250.000	295.428	-18.2	111	0.00
24 P	1,1-Dichloroethane	50.000	54.884	-9.8	112	0.00
25 T	2-Butanone	250.000	253.710	-1.5	102	0.00
26 T	2,2-Dichloropropane	50.000	55.667	-11.3	112	0.00
27 T	cis-1,2-Dichloroethene	50.000	57.158	-14.3	111	0.00
28 T	Bromochloromethane	50.000	43.664	12.7	92	0.00
29 T	Tetrahydrofuran	250.000	269.263	-7.7	100	0.00
30 C	Chloroform	50.000	54.394	-8.8#	115	0.00
31 T	Cyclohexane	50.000	54.721	-9.4	113	0.00
32 T	1,1,1-Trichloroethane	50.000	55.539	-11.1	114	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.524	1.0	99	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35 S	Dibromofluoromethane	50.000	48.666	2.7	98	0.00
36 T	1,1-Dichloropropene	50.000	57.540	-15.1	113	0.00
37 T	Ethyl Acetate	50.000	50.756	-1.5	104	0.00
38 T	Carbon Tetrachloride	50.000	56.517	-13.0	114	0.00
39 T	Methylcyclohexane	50.000	60.818	-21.6	113	0.00
40 TM	Benzene	50.000	56.869	-13.7	114	0.00
41 T	Methacrylonitrile	50.000	58.457	-16.9	109	0.00
42 TM	1,2-Dichloroethane	50.000	54.822	-9.6	112	0.00
43 T	Isopropyl Acetate	50.000	41.226	17.5	98	0.00
44 TM	Trichloroethene	50.000	53.255	-6.5	112	0.00
45 C	1,2-Dichloropropane	50.000	57.740	-15.5#	115	0.00
46 T	Dibromomethane	50.000	56.012	-12.0	115	0.00
47 T	Bromodichloromethane	50.000	55.753	-11.5	113	0.00
48 T	Methyl methacrylate	50.000	57.751	-15.5	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
 Data File : VN086003.D
 Acq On : 18 Mar 2025 16:49
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN031825

Quant Time: Mar 19 03:39:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 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	1057.815	-5.8	98	0.00
50 S	Toluene-d8	50.000	51.736	-3.5	100	0.00
51 T	4-Methyl-2-Pentanone	250.000	278.467	-11.4	104	0.00
52 CM	Toluene	50.000	60.348	-20.7#	113	0.00
53 T	t-1,3-Dichloropropene	50.000	59.689	-19.4	112	0.00
54 T	cis-1,3-Dichloropropene	50.000	59.921	-19.8	113	0.00
55 T	1,1,2-Trichloroethane	50.000	56.064	-12.1	112	0.00
56 T	Ethyl methacrylate	50.000	55.208	-10.4	109	0.00
57 T	1,3-Dichloropropane	50.000	57.684	-15.4	113	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	306.978	-22.8	118	0.00
59 T	2-Hexanone	250.000	282.228	-12.9	104	0.00
60 T	Dibromochloromethane	50.000	57.477	-15.0	112	0.00
61 T	1,2-Dibromoethane	50.000	57.545	-15.1	110	0.00
62 S	4-Bromofluorobenzene	50.000	53.231	-6.5	100	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64 T	Tetrachloroethene	50.000	52.844	-5.7	113	0.00
65 PM	Chlorobenzene	50.000	53.783	-7.6	113	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	54.515	-9.0	113	0.00
67 C	Ethyl Benzene	50.000	59.592	-19.2#	113	0.00
68 T	m/p-Xylenes	100.000	120.622	-20.6	114	0.00
69 T	o-Xylene	50.000	62.069	-24.1	114	0.00
70 T	Styrene	50.000	61.658	-23.3	113	0.00
71 P	Bromoform	50.000	53.714	-7.4	110	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73 T	Isopropylbenzene	50.000	58.664	-17.3	113	0.00
74 T	N-amyl acetate	50.000	56.839	-13.7	108	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.586	0.8	111	0.00
76 T	1,2,3-Trichloropropane	50.000	48.944	2.1	96	0.00
77 T	Bromobenzene	50.000	53.193	-6.4	113	0.00
78 T	n-propylbenzene	50.000	60.807	-21.6	114	0.00
79 T	2-Chlorotoluene	50.000	57.461	-14.9	115	0.00
80 T	1,3,5-Trimethylbenzene	50.000	60.712	-21.4	114	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	57.589	-15.2	120	0.00
82 T	4-Chlorotoluene	50.000	56.898	-13.8	114	0.00
83 T	tert-Butylbenzene	50.000	58.608	-17.2	116	0.00
84 T	1,2,4-Trimethylbenzene	50.000	61.674	-23.3	117	0.00
85 T	sec-Butylbenzene	50.000	62.874	-25.7#	117	0.00
86 T	p-Isopropyltoluene	50.000	63.821	-27.6#	117	0.00
87 T	1,3-Dichlorobenzene	50.000	55.423	-10.8	115	0.00
88 T	1,4-Dichlorobenzene	50.000	51.782	-3.6	114	0.00
89 T	n-Butylbenzene	50.000	63.272	-26.5#	118	0.00
90 T	Hexachloroethane	50.000	52.727	-5.5	116	0.00
91 T	1,2-Dichlorobenzene	50.000	53.019	-6.0	115	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.293	-2.6	109	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.700	-9.4	112	0.00
94 T	Hexachlorobutadiene	50.000	50.380	-0.8	115	0.00
95 T	Naphthalene	50.000	54.297	-8.6	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN086003.D
Acq On : 18 Mar 2025 16:49
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031825

Quant Time: Mar 19 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
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	55.887	-11.8	112	0.00

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



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.: Q1609 SAS No.: Q1609 SDG No.: Q1609
 Instrument ID: MSVOA_N Calibration Date/Time: 03/21/2025 13:17
 Lab File ID: VN086036.D Init. Calib. Date(s): 03/18/2025 03/18/2025
 Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:09
 GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.594	0.588		-1.01	20
1,1-Dichloroethene	0.512	0.527		2.93	20
2-Butanone	0.302	0.313		3.64	20
Carbon Tetrachloride	0.604	0.657		8.77	20
Chloroform	1.107	1.162		4.97	20
Benzene	1.443	1.587		9.98	20
1,2-Dichloroethane	0.503	0.542		7.75	20
Trichloroethene	0.374	0.366		-2.14	20
Tetrachloroethene	0.399	0.397		-0.5	20
Chlorobenzene	1.144	1.174	0.3	2.62	20
1,2-Dichloroethane-d4	0.685	0.703		2.63	20
Dibromofluoromethane	0.349	0.369		5.73	20
Toluene-d8	1.267	1.419		12	20
4-Bromofluorobenzene	0.452	0.521		15.27	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\VN032125\
 Data File : VN086036.D
 Acq On : 21 Mar 2025 13:17
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/24/2025
 Supervised By :Semsettin Yesilyurt 03/24/2025

Quant Time: Mar 21 22:54:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	163728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	253523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	241486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115057	51.319	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.640%			
35) Dibromofluoromethane	8.165	113	93499	52.837	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.680%			
50) Toluene-d8	10.565	98	359851	56.032	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.060%			
62) 4-Bromofluorobenzene	12.847	95	132042	57.651	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	108055	49.815	ug/l	95
3) Chloromethane	2.359	50	88438	46.507	ug/l	99
4) Vinyl Chloride	2.507	62	96215	49.484	ug/l	98
5) Bromomethane	2.942	94	60662	45.803	ug/l	100
6) Chloroethane	3.112	64	57957	47.250	ug/l	96
7) Trichlorofluoromethane	3.495	101	171872	49.173	ug/l	97
8) Diethyl Ether	3.959	74	52398	48.970	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	93720	50.451	ug/l	98
10) Methyl Iodide	4.583	142	124435	51.409	ug/l	92
11) Tert butyl alcohol	5.518	59	70018	220.580	ug/l	97
12) 1,1-Dichloroethene	4.336	96	86308	51.454	ug/l	95
13) Acrolein	4.177	56	101114	298.659	ug/l	97
14) Allyl chloride	5.024	41	94494	45.156	ug/l	97
15) Acrylonitrile	5.718	53	224851	268.216	ug/l	97
16) Acetone	4.424	43	166176	242.610	ug/l	98
17) Carbon Disulfide	4.712	76	256633	46.522	ug/l	99
18) Methyl Acetate	5.024	43	86528	51.059	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	286440	52.112	ug/l	98
20) Methylene Chloride	5.277	84	103078	51.442	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	97315	53.087	ug/l	99
22) Diisopropyl ether	6.671	45	245779	55.115	ug/l	96
23) Vinyl Acetate	6.600	43	910646	269.383	ug/l	100
24) 1,1-Dichloroethane	6.565	63	170839	52.098	ug/l	97
25) 2-Butanone	7.483	43	255996	259.016	ug/l	95
26) 2,2-Dichloropropane	7.489	77	141339	44.769	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	110714	53.148	ug/l	99
28) Bromochloromethane	7.812	49	72328	52.060	ug/l	99
29) Tetrahydrofuran	7.836	42	175553	287.713	ug/l	99
30) Chloroform	7.965	83	190234	52.484	ug/l	98
31) Cyclohexane	8.259	56	135044	48.341	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	178584	52.050	ug/l	98
36) 1,1-Dichloropropene	8.371	75	129290	55.488	ug/l	99
37) Ethyl Acetate	7.559	43	105111	53.471	ug/l	100
38) Carbon Tetrachloride	8.359	117	166470	54.337	ug/l	99
39) Methylcyclohexane	9.600	83	119192	51.559	ug/l	98
40) Benzene	8.606	78	402242	54.991	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086036.D
 Acq On : 21 Mar 2025 13:17
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/24/2025
 Supervised By :Semsettin Yesilyurt 03/24/2025

Quant Time: Mar 21 22:54:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	52611	56.050	ug/l	99
42) 1,2-Dichloroethane	8.671	62	137424	53.919	ug/l	100
43) Isopropyl Acetate	8.683	43	168193	39.485	ug/l	99
44) Trichloroethene	9.347	130	92913	49.010	ug/l	99
45) 1,2-Dichloropropane	9.618	63	94435	56.763	ug/l	98
46) Dibromomethane	9.706	93	72553	55.453	ug/l	98
47) Bromodichloromethane	9.883	83	151208	55.298	ug/l	99
48) Methyl methacrylate	9.677	41	79191	56.338	ug/l	98
49) 1,4-Dioxane	9.694	88	38370	1154.720	ug/l	93
51) 4-Methyl-2-Pentanone	10.441	43	565757	301.158	ug/l	98
52) Toluene	10.630	92	265190	59.071	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	142912	53.816	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	153379	54.743	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	98942	57.743	ug/l	95
56) Ethyl methacrylate	10.871	69	141326	52.373	ug/l	99
57) 1,3-Dichloropropane	11.159	76	162635	55.882	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	319939	300.152	ug/l	99
59) 2-Hexanone	11.194	43	421427	307.936	ug/l	98
60) Dibromochloromethane	11.359	129	125903	56.942	ug/l	98
61) 1,2-Dibromoethane	11.471	107	98586	56.044	ug/l	95
64) Tetrachloroethene	11.100	164	95978	49.824	ug/l	98
65) Chlorobenzene	11.888	112	283581	51.319	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	109310	53.214	ug/l	99
67) Ethyl Benzene	11.965	91	488752	55.293	ug/l	97
68) m/p-Xylenes	12.071	106	401924	115.687	ug/l	99
69) o-Xylene	12.400	106	185580	58.200	ug/l	99
70) Styrene	12.412	104	325424	59.750	ug/l	99
71) Bromoform	12.576	173	90578	52.748	ug/l #	97
73) Isopropylbenzene	12.694	105	467711	49.308	ug/l	99
74) N-amyl acetate	12.494	43	158416	49.918	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	149745	46.663	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	148586m	47.780	ug/l	
77) Bromobenzene	12.976	156	126401	47.790	ug/l	99
78) n-propylbenzene	13.035	91	568424	52.921	ug/l	99
79) 2-Chlorotoluene	13.123	91	353043	49.485	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	427177	53.340	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	52263	44.432	ug/l	89
82) 4-Chlorotoluene	13.218	91	370842	50.547	ug/l	98
83) tert-Butylbenzene	13.435	119	349102	50.968	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	437972	54.221	ug/l	99
85) sec-Butylbenzene	13.612	105	474302	53.082	ug/l	100
86) p-Isopropyltoluene	13.729	119	409715	54.168	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	241434	50.641	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	238063	47.527	ug/l	99
89) n-Butylbenzene	14.053	91	318015	51.631	ug/l	98
90) Hexachloroethane	14.335	117	80986	46.403	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	231463	48.838	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30890	48.222	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	106133	44.537	ug/l	97
94) Hexachlorobutadiene	15.500	225	58150	42.060	ug/l	100
95) Naphthalene	15.641	128	310651	45.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	107925	47.728	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
Data File : VN086036.D
Acq On : 21 Mar 2025 13:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/24/2025
Supervised By :Semsettin Yesilyurt 03/24/2025

Quant Time: Mar 21 22:54:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

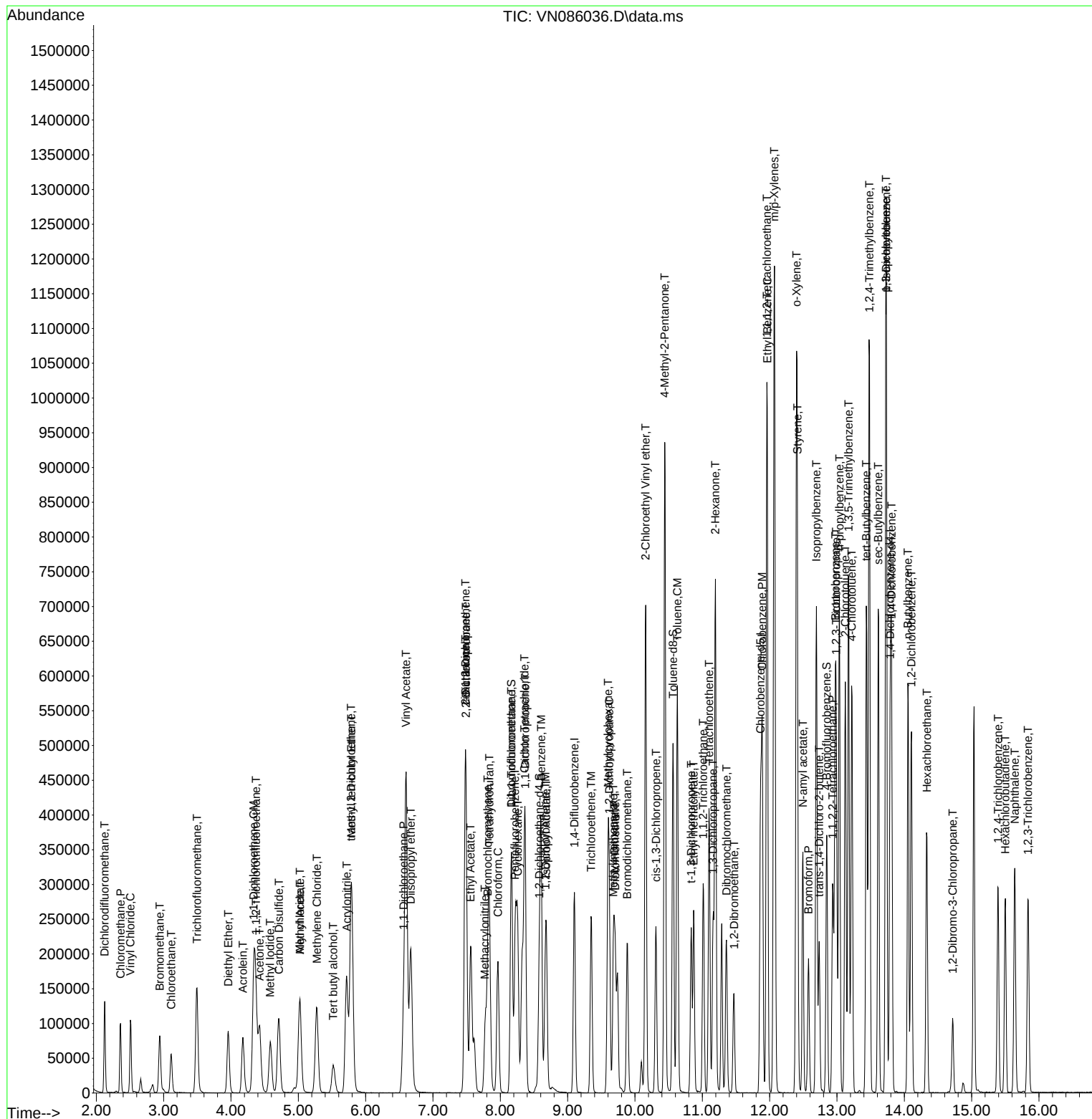
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
Data File : VN086036.D
Acq On : 21 Mar 2025 13:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :John Carlone 03/24/2025
Supervised By :Semsettin Yesilyurt 03/24/2025

Quant Time: Mar 21 22:54:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086036.D
 Acq On : 21 Mar 2025 13:17
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 21 22:54:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 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	86	0.00
2 T	Dichlorodifluoromethane	0.662	0.660	0.3	88	0.00
3 P	Chloromethane	0.581	0.540	7.1	83	0.00
4 C	Vinyl Chloride	0.594	0.588	1.0#	85	0.00
5 T	Bromomethane	0.404	0.371	8.2	83	0.00
6 T	Chloroethane	0.375	0.354	5.6	92	0.00
7 T	Trichlorofluoromethane	1.067	1.050	1.6	92	0.00
8 T	Diethyl Ether	0.327	0.320	2.1	85	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.567	0.572	-0.9	95	0.00
10 T	Methyl Iodide	0.739	0.760	-2.8	89	0.00
11 T	Tert butyl alcohol	0.097	0.086	11.3	78	0.00
12 CM	1,1-Dichloroethene	0.512	0.527	-2.9#	88	0.00
13 T	Acrolein	0.103	0.124	-20.4	106	0.00
14 T	Allyl chloride	0.639	0.577	9.7	80	0.00
15 T	Acrylonitrile	0.256	0.275	-7.4	95	0.00
16 T	Acetone	0.209	0.203	2.9	90	0.00
17 T	Carbon Disulfide	1.685	1.567	7.0	89	0.00
18 T	Methyl Acetate	0.518	0.528	-1.9	97	0.00
19 T	Methyl tert-butyl Ether	1.679	1.749	-4.2	89	0.00
20 T	Methylene Chloride	0.612	0.630	-2.9	96	0.00
21 T	trans-1,2-Dichloroethene	0.560	0.594	-6.1	95	0.00
22 T	Diisopropyl ether	1.362	1.501	-10.2	93	0.00
23 T	Vinyl Acetate	1.032	1.112	-7.8	89	0.00
24 P	1,1-Dichloroethane	1.001	1.043	-4.2	94	0.00
25 T	2-Butanone	0.302	0.313	-3.6	92	0.00
26 T	2,2-Dichloropropane	0.964	0.863	10.5	80	0.00
27 T	cis-1,2-Dichloroethene	0.636	0.676	-6.3	92	0.00
28 T	Bromochloromethane	0.424	0.442	-4.2	97	0.00
29 T	Tetrahydrofuran	0.186	0.214	-15.1	95	0.00
30 C	Chloroform	1.107	1.162	-5.0#	98	0.00
31 T	Cyclohexane	0.853	0.825	3.3	88	0.00
32 T	1,1,1-Trichloroethane	1.048	1.091	-4.1	95	0.00
33 S	1,2-Dichloroethane-d4	0.685	0.703	-2.6	91	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	83	0.00
35 S	Dibromofluoromethane	0.349	0.369	-5.7	92	0.00
36 T	1,1-Dichloropropene	0.460	0.510	-10.9	94	0.00
37 T	Ethyl Acetate	0.388	0.415	-7.0	94	0.00
38 T	Carbon Tetrachloride	0.604	0.657	-8.8	95	0.00
39 T	Methylcyclohexane	0.456	0.470	-3.1	83	0.00
40 TM	Benzene	1.443	1.587	-10.0	95	0.00
41 T	Methacrylonitrile	0.185	0.208	-12.4	90	0.00
42 TM	1,2-Dichloroethane	0.503	0.542	-7.8	95	0.00
43 T	Isopropyl Acetate	0.840	0.663	21.1	81	0.00
44 TM	Trichloroethene	0.374	0.366	2.1	88	0.00
45 C	1,2-Dichloropropane	0.328	0.372	-13.4#	97	0.00
46 T	Dibromomethane	0.258	0.286	-10.9	98	0.00
47 T	Bromodichloromethane	0.539	0.596	-10.6	96	0.00
48 T	Methyl methacrylate	0.277	0.312	-12.6	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086036.D
 Acq On : 21 Mar 2025 13:17
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 21 22:54:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 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	0.007	0.008	-14.3	92	0.00
50 S	Toluene-d8	1.267	1.419	-12.0	94	0.00
51 T	4-Methyl-2-Pentanone	0.371	0.446	-20.2	97	0.00
52 CM	Toluene	0.885	1.046	-18.2#	95	0.00
53 T	t-1,3-Dichloropropene	0.524	0.564	-7.6	87	0.00
54 T	cis-1,3-Dichloropropene	0.553	0.605	-9.4	89	0.00
55 T	1,1,2-Trichloroethane	0.338	0.390	-15.4	100	0.00
56 T	Ethyl methacrylate	0.463	0.557	-20.3	88	0.00
57 T	1,3-Dichloropropane	0.574	0.641	-11.7	94	0.00
58 T	2-Chloroethyl Vinyl ether	0.183	0.252	-37.7#	99	0.00
59 T	2-Hexanone	0.270	0.332	-23.0	98	0.00
60 T	Dibromochloromethane	0.436	0.497	-14.0	96	0.00
61 T	1,2-Dibromoethane	0.347	0.389	-12.1	93	0.00
62 S	4-Bromofluorobenzene	0.452	0.521	-15.3	93	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
64 T	Tetrachloroethene	0.399	0.397	0.5	95	0.00
65 PM	Chlorobenzene	1.144	1.174	-2.6	96	0.00
66 T	1,1,1,2-Tetrachloroethane	0.425	0.453	-6.6	98	0.00
67 C	Ethyl Benzene	1.830	2.024	-10.6#	93	0.00
68 T	m/p-Xylenes	0.719	0.832	-15.7	97	0.00
69 T	o-Xylene	0.660	0.768	-16.4	95	0.00
70 T	Styrene	1.128	1.348	-19.5	98	0.00
71 P	Bromoform	0.356	0.375	-5.3	96	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
73 T	Isopropylbenzene	3.414	3.367	1.4	94	0.00
74 T	N-amyl acetate	1.142	1.140	0.2	94	0.00
75 P	1,1,2,2-Tetrachloroethane	1.155	1.078	6.7	103	0.00
76 T	1,2,3-Trichloropropane	1.119	1.070	4.4	93	0.00
77 T	Bromobenzene	0.952	0.910	4.4	101	0.00
78 T	n-propylbenzene	3.866	4.092	-5.8	99	0.00
79 T	2-Chlorotoluene	2.568	2.542	1.0	98	0.00
80 T	1,3,5-Trimethylbenzene	2.883	3.075	-6.7	99	0.00
81 T	trans-1,4-Dichloro-2-butene	0.423	0.376	11.1	92	0.00
82 T	4-Chlorotoluene	2.641	2.670	-1.1	100	0.00
83 T	tert-Butylbenzene	2.466	2.513	-1.9	99	0.00
84 T	1,2,4-Trimethylbenzene	2.908	3.153	-8.4	101	0.00
85 T	sec-Butylbenzene	3.216	3.415	-6.2	98	0.00
86 T	p-Isopropyltoluene	2.723	2.950	-8.3	98	0.00
87 T	1,3-Dichlorobenzene	1.716	1.738	-1.3	104	0.00
88 T	1,4-Dichlorobenzene	1.803	1.714	4.9	104	0.00
89 T	n-Butylbenzene	2.217	2.289	-3.2	95	0.00
90 T	Hexachloroethane	0.628	0.583	7.2	101	0.00
91 T	1,2-Dichlorobenzene	1.706	1.666	2.3	105	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.231	0.222	3.9	101	0.00
93 T	1,2,4-Trichlorobenzene	0.858	0.764	11.0	90	0.00
94 T	Hexachlorobutadiene	0.498	0.419	15.9	95	0.00
95 T	Naphthalene	2.484	2.236	10.0	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
Data File : VN086036.D
Acq On : 21 Mar 2025 13:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 22:54:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
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	0.814	0.777	4.5	94	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086036.D
 Acq On : 21 Mar 2025 13:17
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 21 22:54:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 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	86	0.00
2 T	Dichlorodifluoromethane	50.000	49.815	0.4	88	0.00
3 P	Chloromethane	50.000	46.507	7.0	83	0.00
4 C	Vinyl Chloride	50.000	49.484	1.0#	85	0.00
5 T	Bromomethane	50.000	45.803	8.4	83	0.00
6 T	Chloroethane	50.000	47.250	5.5	92	0.00
7 T	Trichlorofluoromethane	50.000	49.173	1.7	92	0.00
8 T	Diethyl Ether	50.000	48.970	2.1	85	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.451	-0.9	95	0.00
10 T	Methyl Iodide	50.000	51.409	-2.8	89	0.00
11 T	Tert butyl alcohol	250.000	220.580	11.8	78	0.00
12 CM	1,1-Dichloroethene	50.000	51.454	-2.9#	88	0.00
13 T	Acrolein	250.000	298.659	-19.5	106	0.00
14 T	Allyl chloride	50.000	45.156	9.7	80	0.00
15 T	Acrylonitrile	250.000	268.216	-7.3	95	0.00
16 T	Acetone	250.000	242.610	3.0	90	0.00
17 T	Carbon Disulfide	50.000	46.522	7.0	89	0.00
18 T	Methyl Acetate	50.000	51.059	-2.1	97	0.00
19 T	Methyl tert-butyl Ether	50.000	52.112	-4.2	89	0.00
20 T	Methylene Chloride	50.000	51.442	-2.9	96	0.00
21 T	trans-1,2-Dichloroethene	50.000	53.087	-6.2	95	0.00
22 T	Diisopropyl ether	50.000	55.115	-10.2	93	0.00
23 T	Vinyl Acetate	250.000	269.383	-7.8	89	0.00
24 P	1,1-Dichloroethane	50.000	52.098	-4.2	94	0.00
25 T	2-Butanone	250.000	259.016	-3.6	92	0.00
26 T	2,2-Dichloropropane	50.000	44.769	10.5	80	0.00
27 T	cis-1,2-Dichloroethene	50.000	53.148	-6.3	92	0.00
28 T	Bromochloromethane	50.000	52.060	-4.1	97	0.00
29 T	Tetrahydrofuran	250.000	287.713	-15.1	95	0.00
30 C	Chloroform	50.000	52.484	-5.0#	98	0.00
31 T	Cyclohexane	50.000	48.341	3.3	88	0.00
32 T	1,1,1-Trichloroethane	50.000	52.050	-4.1	95	0.00
33 S	1,2-Dichloroethane-d4	50.000	51.319	-2.6	91	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	83	0.00
35 S	Dibromofluoromethane	50.000	52.837	-5.7	92	0.00
36 T	1,1-Dichloropropene	50.000	55.488	-11.0	94	0.00
37 T	Ethyl Acetate	50.000	53.471	-6.9	94	0.00
38 T	Carbon Tetrachloride	50.000	54.337	-8.7	95	0.00
39 T	Methylcyclohexane	50.000	51.559	-3.1	83	0.00
40 TM	Benzene	50.000	54.991	-10.0	95	0.00
41 T	Methacrylonitrile	50.000	56.050	-12.1	90	0.00
42 TM	1,2-Dichloroethane	50.000	53.919	-7.8	95	0.00
43 T	Isopropyl Acetate	50.000	39.485	21.0	81	0.00
44 TM	Trichloroethene	50.000	49.010	2.0	88	0.00
45 C	1,2-Dichloropropane	50.000	56.763	-13.5#	97	0.00
46 T	Dibromomethane	50.000	55.453	-10.9	98	0.00
47 T	Bromodichloromethane	50.000	55.298	-10.6	96	0.00
48 T	Methyl methacrylate	50.000	56.338	-12.7	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086036.D
 Acq On : 21 Mar 2025 13:17
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Mar 21 22:54:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 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	1154.720	-15.5	92	0.00
50 S	Toluene-d8	50.000	56.032	-12.1	94	0.00
51 T	4-Methyl-2-Pentanone	250.000	301.158	-20.5	97	0.00
52 CM	Toluene	50.000	59.071	-18.1#	95	0.00
53 T	t-1,3-Dichloropropene	50.000	53.816	-7.6	87	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.743	-9.5	89	0.00
55 T	1,1,2-Trichloroethane	50.000	57.743	-15.5	100	0.00
56 T	Ethyl methacrylate	50.000	52.373	-4.7	88	0.00
57 T	1,3-Dichloropropane	50.000	55.882	-11.8	94	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	300.152	-20.1	99	0.00
59 T	2-Hexanone	250.000	307.936	-23.2	98	0.00
60 T	Dibromochloromethane	50.000	56.942	-13.9	96	0.00
61 T	1,2-Dibromoethane	50.000	56.044	-12.1	93	0.00
62 S	4-Bromofluorobenzene	50.000	57.651	-15.3	93	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	88	0.00
64 T	Tetrachloroethene	50.000	49.824	0.4	95	0.00
65 PM	Chlorobenzene	50.000	51.319	-2.6	96	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.214	-6.4	98	0.00
67 C	Ethyl Benzene	50.000	55.293	-10.6#	93	0.00
68 T	m/p-Xylenes	100.000	115.687	-15.7	97	0.00
69 T	o-Xylene	50.000	58.200	-16.4	95	0.00
70 T	Styrene	50.000	59.750	-19.5	98	0.00
71 P	Bromoform	50.000	52.748	-5.5	96	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	101	0.00
73 T	Isopropylbenzene	50.000	49.308	1.4	94	0.00
74 T	N-amyl acetate	50.000	49.918	0.2	94	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	46.663	6.7	103	0.00
76 T	1,2,3-Trichloropropane	50.000	47.780	4.4	93	0.00
77 T	Bromobenzene	50.000	47.790	4.4	101	0.00
78 T	n-propylbenzene	50.000	52.921	-5.8	99	0.00
79 T	2-Chlorotoluene	50.000	49.485	1.0	98	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.340	-6.7	99	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	44.432	11.1	92	0.00
82 T	4-Chlorotoluene	50.000	50.547	-1.1	100	0.00
83 T	tert-Butylbenzene	50.000	50.968	-1.9	99	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.221	-8.4	101	0.00
85 T	sec-Butylbenzene	50.000	53.082	-6.2	98	0.00
86 T	p-Isopropyltoluene	50.000	54.168	-8.3	98	0.00
87 T	1,3-Dichlorobenzene	50.000	50.641	-1.3	104	0.00
88 T	1,4-Dichlorobenzene	50.000	47.527	4.9	104	0.00
89 T	n-Butylbenzene	50.000	51.631	-3.3	95	0.00
90 T	Hexachloroethane	50.000	46.403	7.2	101	0.00
91 T	1,2-Dichlorobenzene	50.000	48.838	2.3	105	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.222	3.6	101	0.00
93 T	1,2,4-Trichlorobenzene	50.000	44.537	10.9	90	0.00
94 T	Hexachlorobutadiene	50.000	42.060	15.9	95	0.00
95 T	Naphthalene	50.000	45.019	10.0	86	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
Data File : VN086036.D
Acq On : 21 Mar 2025 13:17
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Mar 21 22:54:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
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	47.728	4.5	94	0.00

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



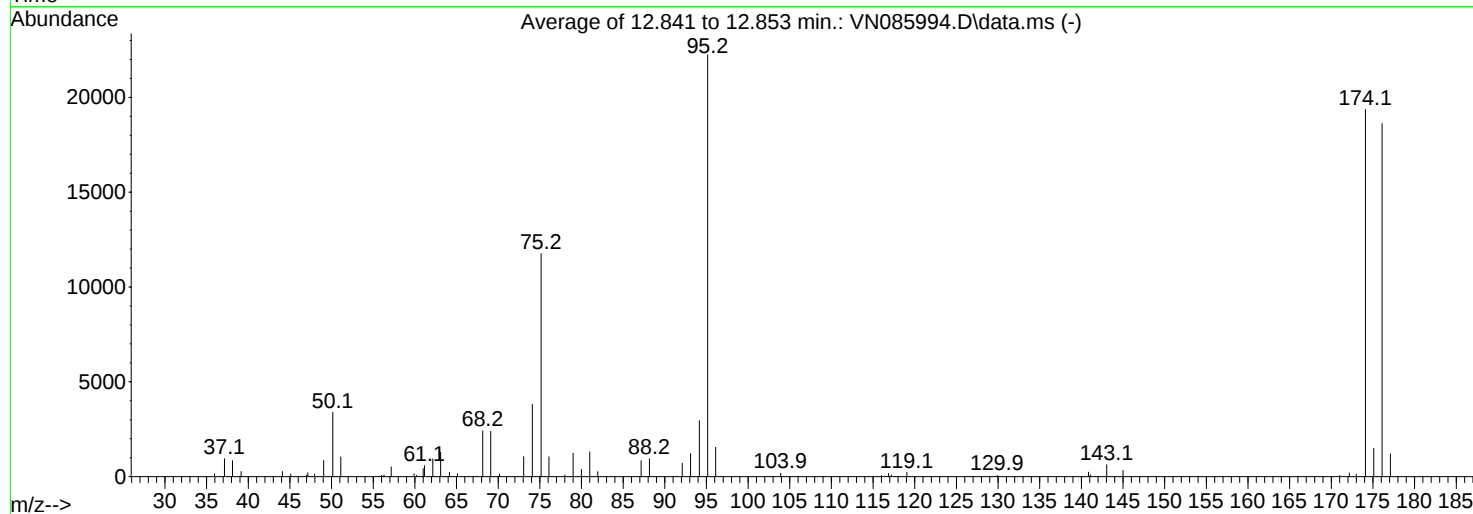
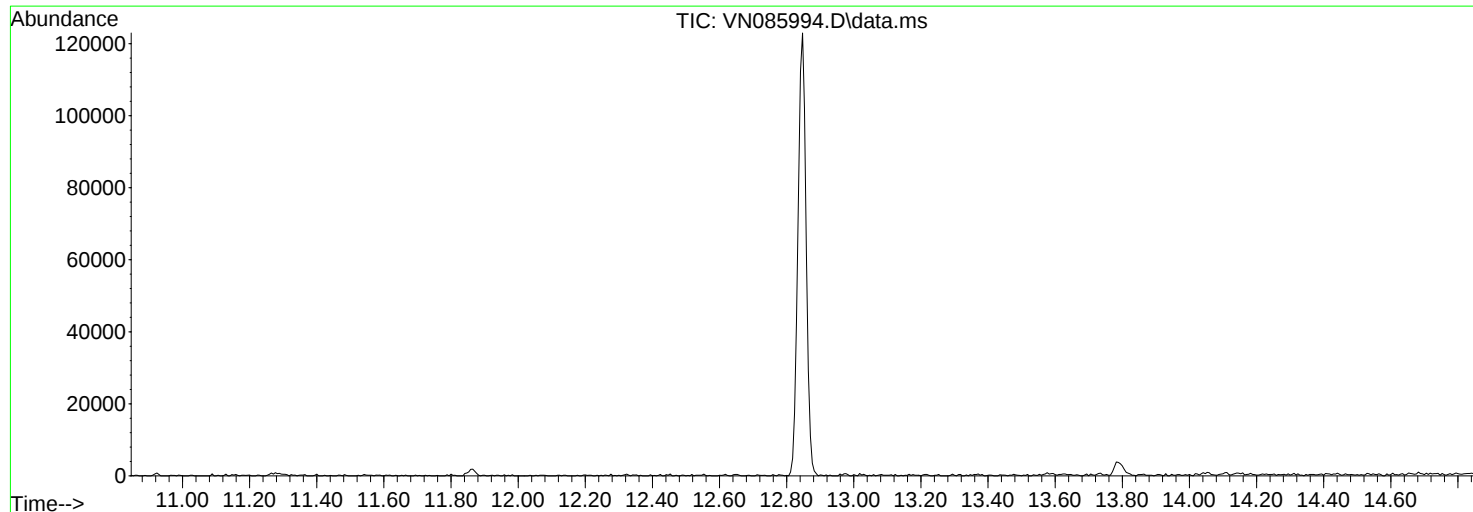
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031825\
Data File : VN085994.D
Acq On : 18 Mar 2025 08:52
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\82N031825W.M
Title : SW846 8260
Last Update : Wed Mar 19 03:20:56 2025



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	15.2	3392	PASS
75	95	30	60	52.9	11766	PASS
95	95	100	100	100.0	22245	PASS
96	95	5	9	6.9	1542	PASS
173	174	0.00	2	0.7	126	PASS
174	95	50	100	87.1	19365	PASS
175	174	5	9	7.7	1497	PASS
176	174	95	101	96.2	18624	PASS
177	176	5	9	6.4	1198	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	156	51.10	1035	65.10	157	81.00	131
37.15	946	56.00	73	68.15	2419	81.95	26
38.10	841	56.30	84	69.10	2389	87.15	84
39.15	274	57.15	518	70.15	126	88.15	94
44.10	272	59.90	150	73.05	1053	92.10	711
45.10	136	60.20	68	74.10	3825	93.10	1217
47.00	83	61.00	426	75.15	11766	94.15	2957
47.15	204	61.15	582	76.10	1047	95.15	22245
47.95	123	62.15	935	78.00	81	96.10	1542
49.05	855	63.10	1288	79.00	1234	103.90	175
50.15	3392	64.15	232	80.00	379	116.00	62

Average of 12.841 to 12.853 min.: VN085994.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
116.85	173	174.10	19365				
117.20	93	175.10	1497				
119.05	226	176.10	18624				
129.90	71	177.10	1198				
140.85	239						
141.10	92						
143.05	623						
145.00	335						
171.00	57						
172.15	198						
173.00	126						

Instrument :

MSVOA_N

ClientSampleId :

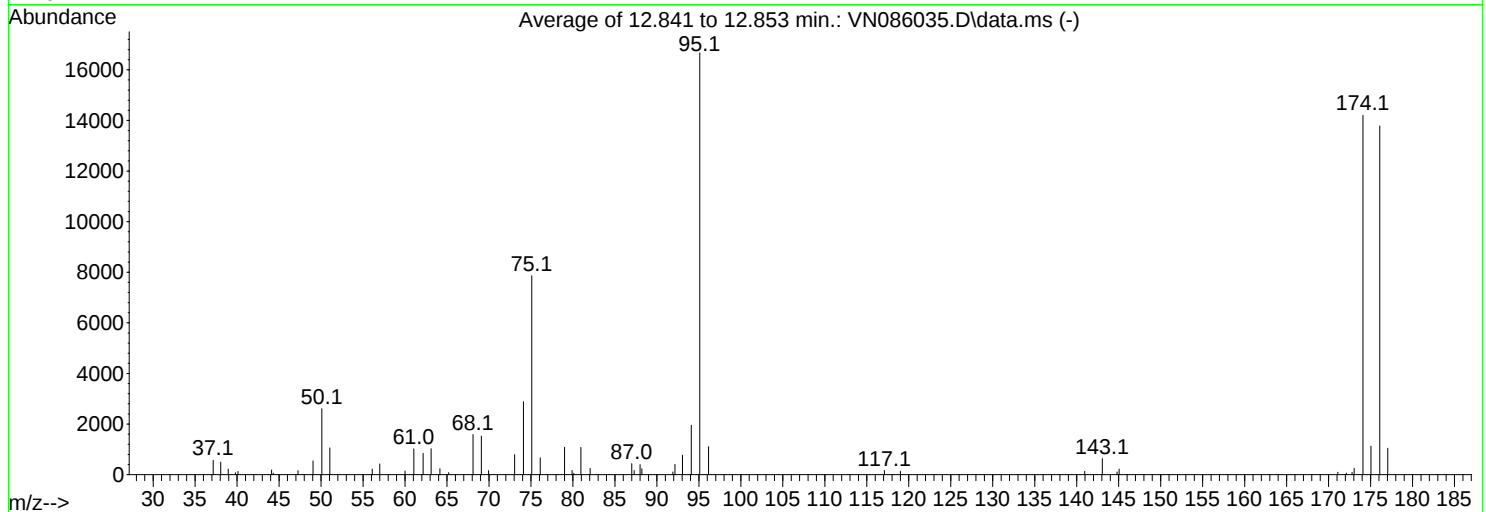
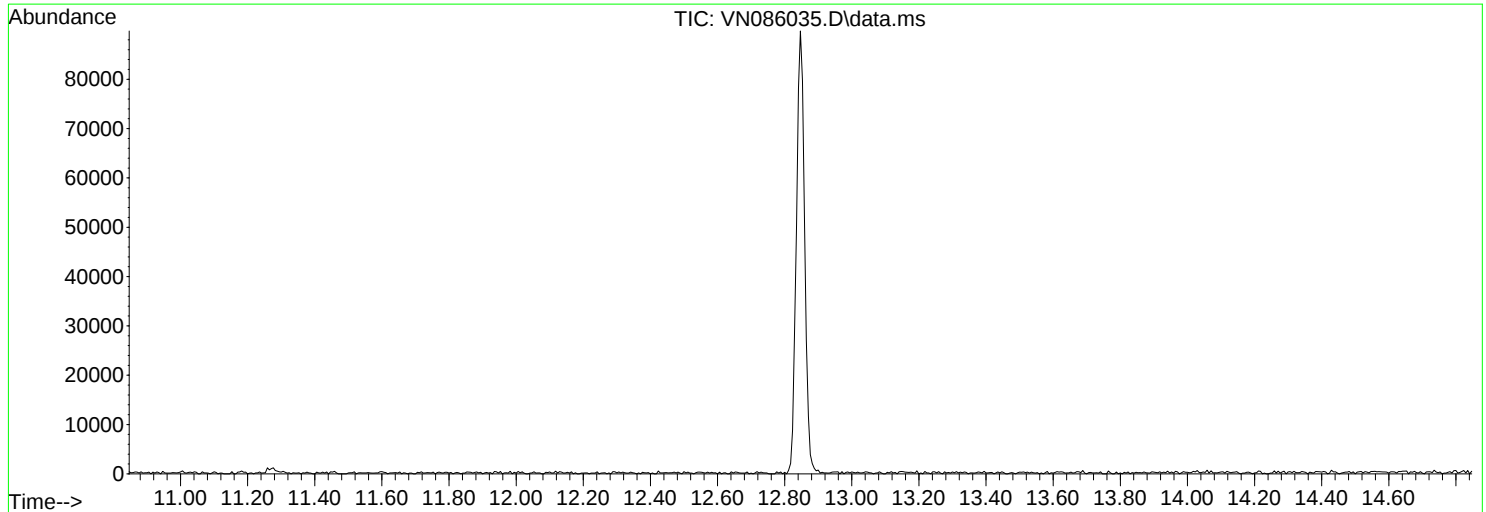
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
Data File : VN086035.D
Acq On : 21 Mar 2025 12:44
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Title : SW846 8260
Last Update : Wed Mar 19 03:20:56 2025



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	15.6	2609	PASS
75	95	30	60	47.2	7862	PASS
95	95	100	100	100.0	16672	PASS
96	95	5	9	6.6	1105	PASS
173	174	0.00	2	1.8	253	PASS
174	95	50	100	85.2	14208	PASS
175	174	5	9	7.9	1123	PASS
176	174	95	101	97.0	13780	PASS
177	176	5	9	7.6	1044	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.15	569	56.10	223	73.05	791	88.00	391
38.05	496	57.00	426	74.10	2885	88.20	234
38.95	221	60.00	144	75.10	7862	91.90	111
39.80	79	61.05	1017	76.10	663	92.15	401
40.10	127	62.15	844	79.00	1082	93.05	773
44.10	181	63.10	1027	79.90	162	94.10	1954
44.30	58	64.15	236	80.10	58	95.10	16672
47.25	160	65.20	83	80.95	1075	96.15	1105
49.05	543	68.10	1589	82.05	248	117.10	164
50.10	2609	69.10	1524	87.00	434	119.00	135
51.05	1057	69.95	161	87.30	164	140.95	136

Average of 12.841 to 12.853 min.: VN086035.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
143.05	632						
144.80	108						
145.05	224						
171.10	98						
172.10	63						
172.80	91						
173.05	253						
174.10	14208						
175.05	1123						
176.10	13780						
177.05	1044						

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0321WBL01	SDG No.:	Q1609
Lab Sample ID:	VN0321WBL01	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
VN086037.D	1		03/21/25 13:52	VN032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.7		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	56.2		70 (75) - 130 (124)	112%	SPK: 50
2037-26-5	Toluene-d8	48.6		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		70 (77) - 130 (121)	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	130000	8.218			
540-36-3	1,4-Difluorobenzene	225000	9.1			
3114-55-4	Chlorobenzene-d5	210000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	84900	13.794			

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\VN032125\
 Data File : VN086037.D
 Acq On : 21 Mar 2025 13:52
 Operator : JC\MD
 Sample : VN0321WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBL01

Quant Time: Mar 21 22:55:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	129724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	224711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	210417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	84947	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	102474	57.688	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.380%
35) Dibromofluoromethane	8.165	113	88103	56.172	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	112.340%
50) Toluene-d8	10.565	98	276675	48.604	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.200%
62) 4-Bromofluorobenzene	12.847	95	90119	44.392	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.780%

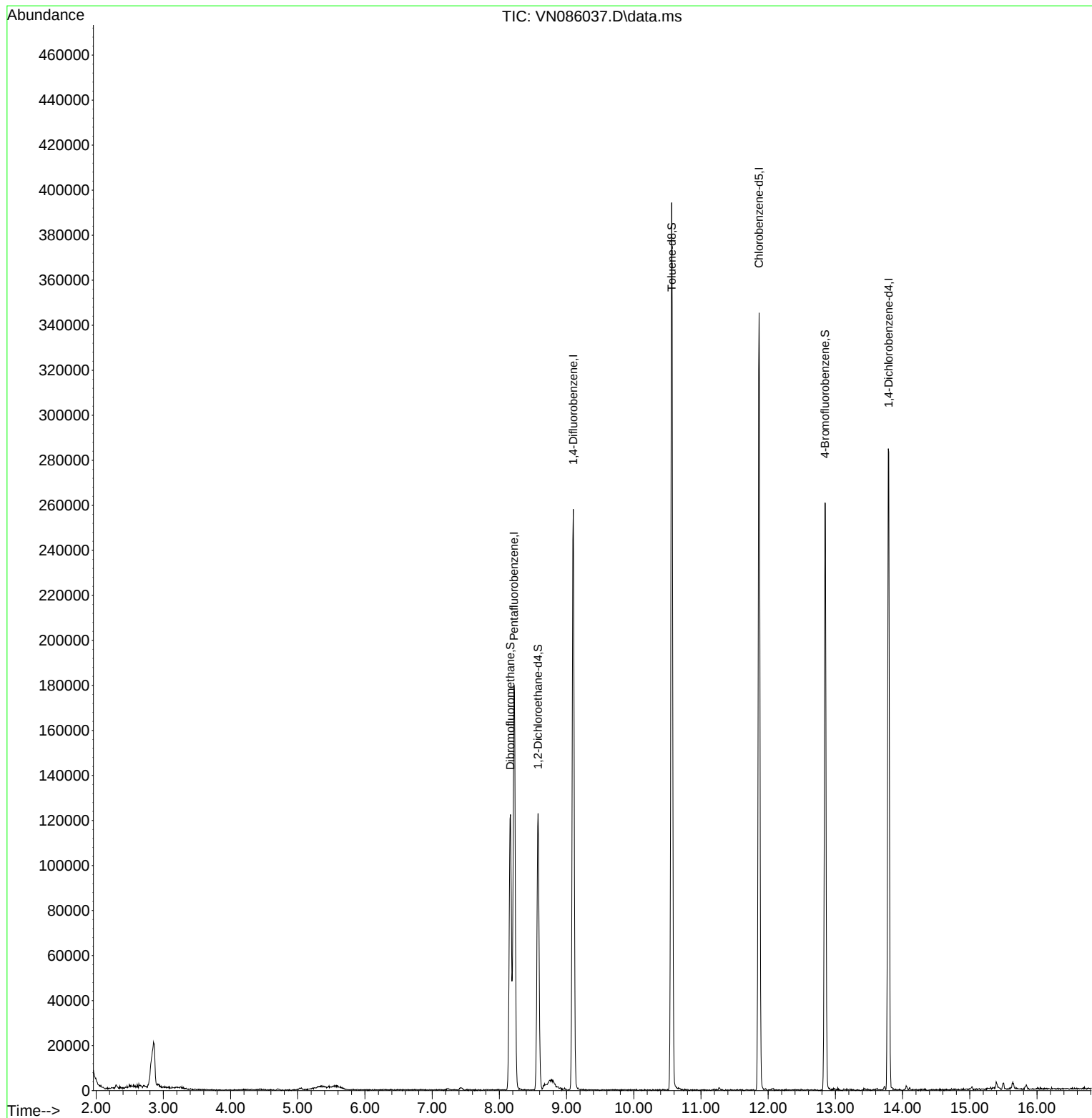
Target Compounds	Qvalue

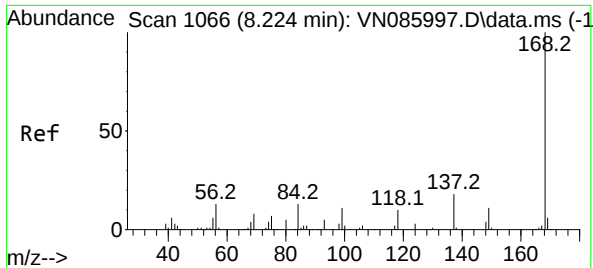
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
Data File : VN086037.D
Acq On : 21 Mar 2025 13:52
Operator : JC\MD
Sample : VN0321WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

Quant Time: Mar 21 22:55:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

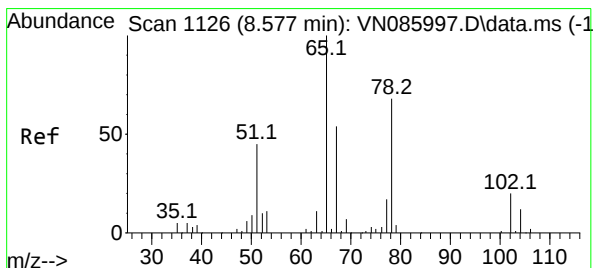
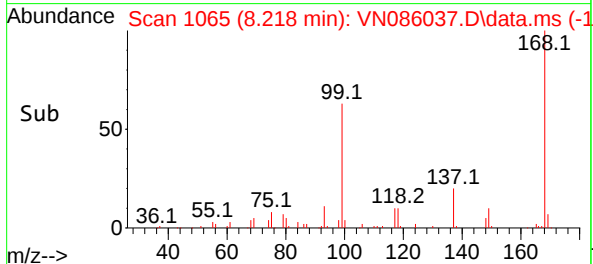
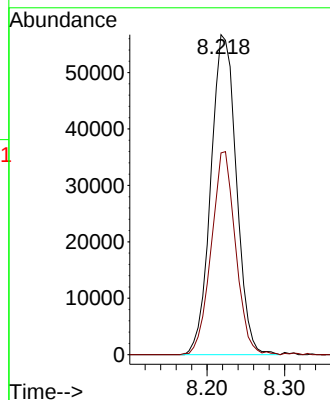
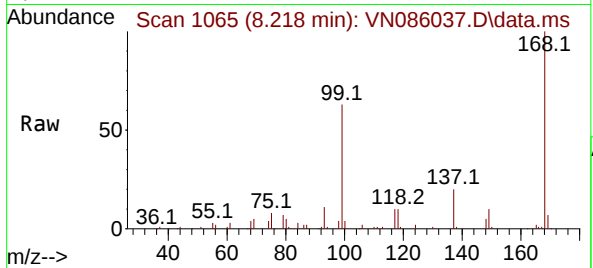




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

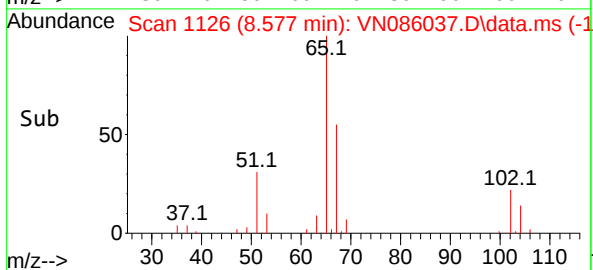
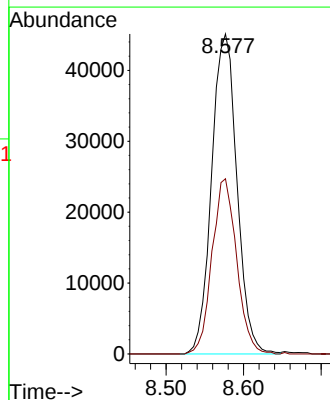
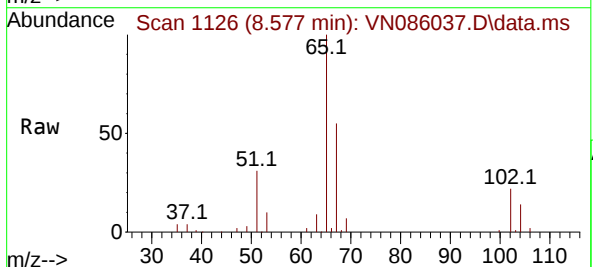
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

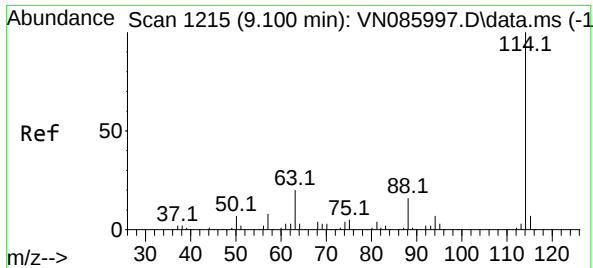
Tgt Ion:168 Resp: 129724
Ion Ratio Lower Upper
168 100
99 63.1 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 57.688 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 65 Resp: 102474
Ion Ratio Lower Upper
65 100
67 53.2 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086037.D

Acq: 21 Mar 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBL01

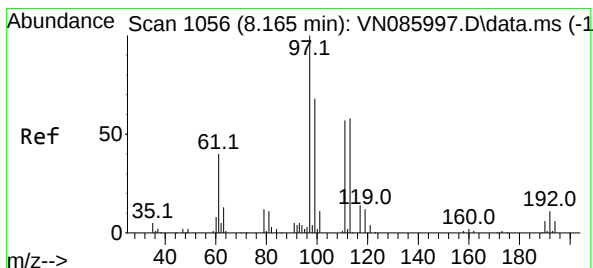
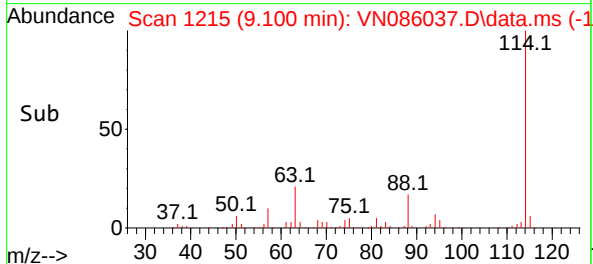
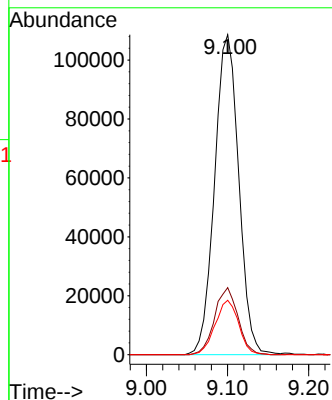
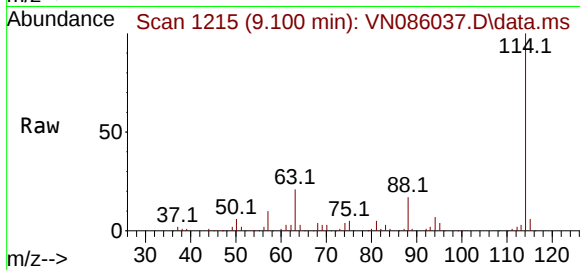
Tgt Ion:114 Resp: 224711

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.6

88 17.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 56.172 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086037.D

Acq: 21 Mar 2025 13:52

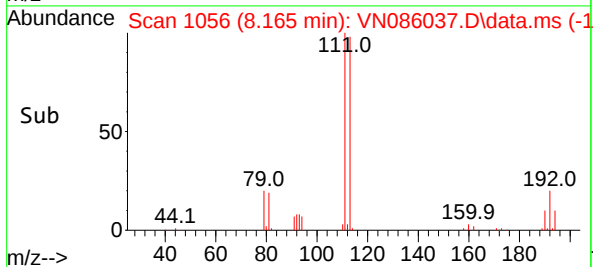
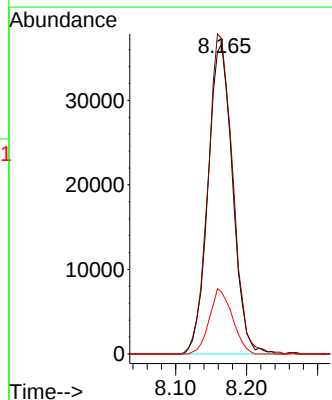
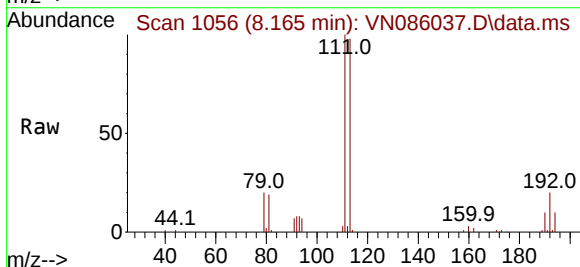
Tgt Ion:113 Resp: 88103

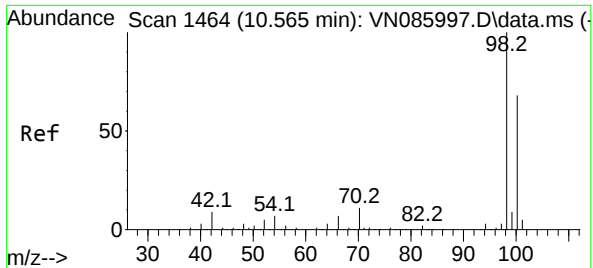
Ion Ratio Lower Upper

113 100

111 103.8 81.8 122.8

192 19.6 15.9 23.9

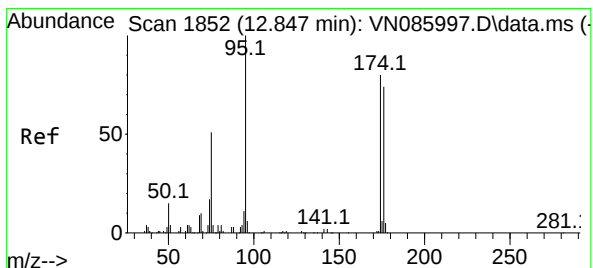
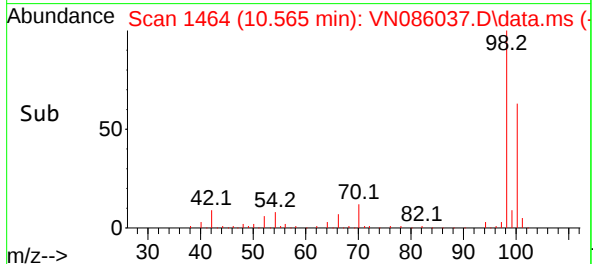
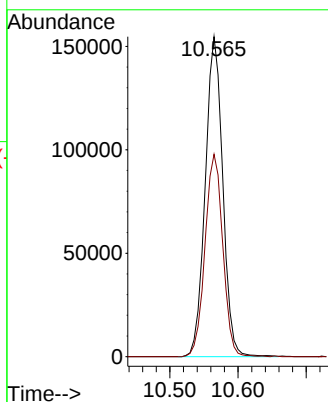
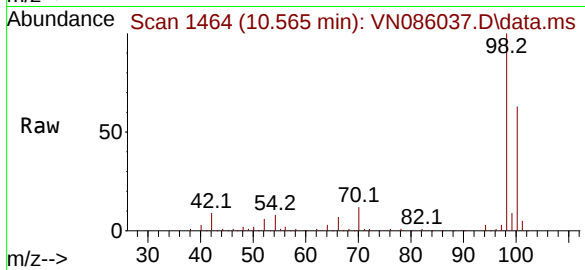




#50
Toluene-d8
Concen: 48.604 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

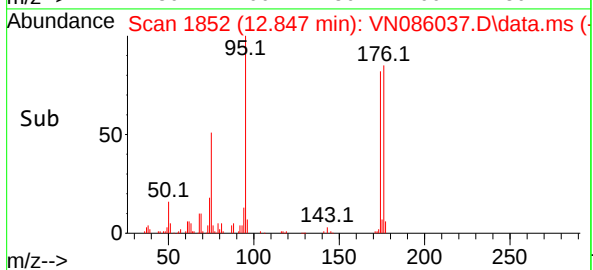
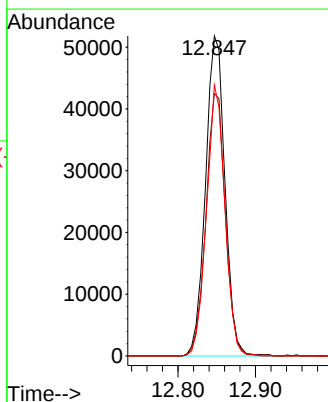
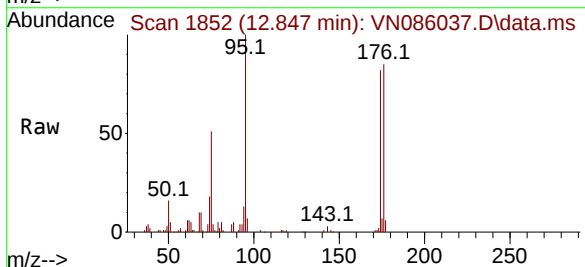
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

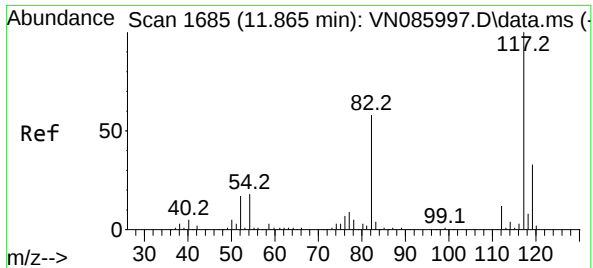
Tgt Ion: 98 Resp: 276675
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 44.392 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

Tgt Ion: 95 Resp: 90119
Ion Ratio Lower Upper
95 100
174 82.1 0.0 156.8
176 80.1 0.0 152.2

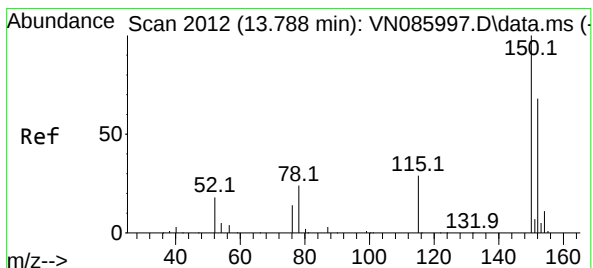
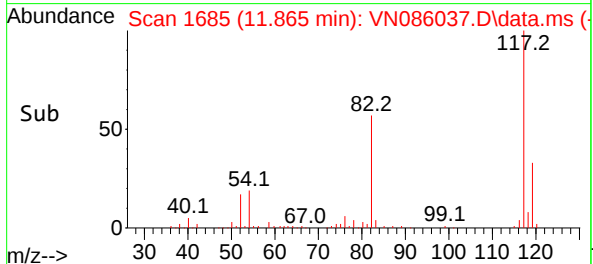
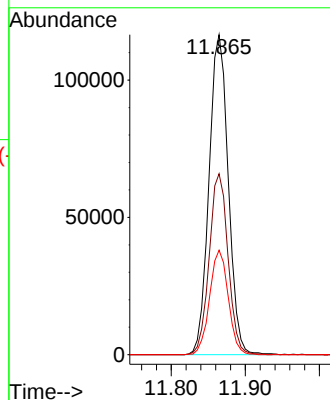
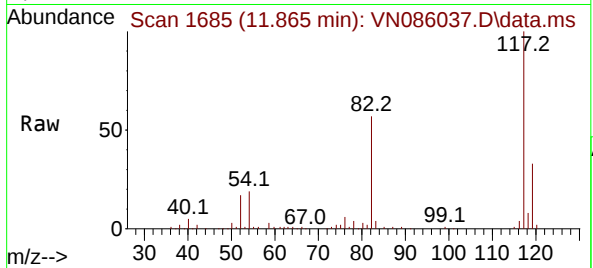




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

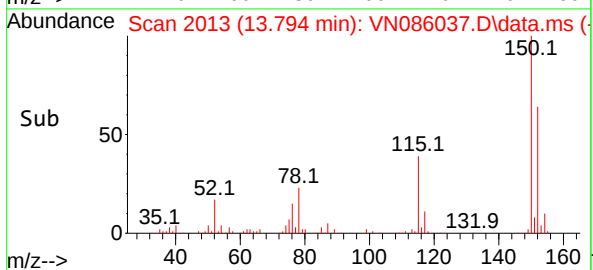
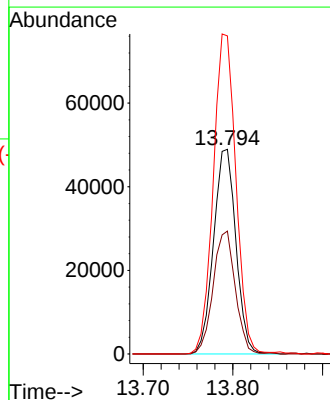
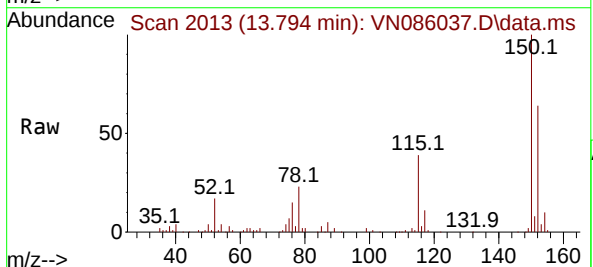
Instrument :
MSVOA_N
ClientSampleId :
VN0321WBL01

Tgt Ion:117 Resp: 210417
Ion Ratio Lower Upper
117 100
82 56.6 46.7 70.1
119 32.7 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN086037.D
Acq: 21 Mar 2025 13:52

Tgt Ion:152 Resp: 84947
Ion Ratio Lower Upper
152 100
115 59.4 31.1 93.2
150 158.4 0.0 359.6



Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0321WBS01	SDG No.:	Q1609
Lab Sample ID:	VN0321WBS01	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
VN086038.D	1		03/21/25 14:16	VN032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	20.0		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	21.2		0.23	5.00	ug/L
78-93-3	2-Butanone	100		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	21.5		0.25	5.00	ug/L
67-66-3	Chloroform	21.2		0.25	5.00	ug/L
71-43-2	Benzene	21.8		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	21.3		0.22	5.00	ug/L
79-01-6	Trichloroethene	19.9		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	20.9		0.23	5.00	ug/L
108-90-7	Chlorobenzene	20.4		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.1		70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	50.9		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	166000	8.224			
540-36-3	1,4-Difluorobenzene	258000	9.1			
3114-55-4	Chlorobenzene-d5	240000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	125000	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\VN032125\
 Data File : VN086038.D
 Acq On : 21 Mar 2025 14:16
 Operator : JC\MD
 Sample : VN0321WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/24/2025
 Supervised By : Semsettin Yesilyurt 03/24/2025

Quant Time: Mar 21 22:56:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	165667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	258178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111472	49.138	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.280%		
35) Dibromofluoromethane	8.165	113	90254	50.084	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.160%		
50) Toluene-d8	10.565	98	333039	50.922	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.840%		
62) 4-Bromofluorobenzene	12.847	95	117587	50.414	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	44718	20.374	ug/l	97
3) Chloromethane	2.359	50	38404	19.959	ug/l	100
4) Vinyl Chloride	2.506	62	39425	20.039	ug/l	96
5) Bromomethane	2.953	94	26424	19.718	ug/l	96
6) Chloroethane	3.112	64	25212	20.314	ug/l	89
7) Trichlorofluoromethane	3.495	101	71822	20.308	ug/l	96
8) Diethyl Ether	3.959	74	21442	19.805	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	40581	21.590	ug/l	98
10) Methyl Iodide	4.589	142	49061	20.032	ug/l #	93
11) Tert butyl alcohol	5.518	59	30054	93.572	ug/l	98
12) 1,1-Dichloroethene	4.342	96	35990	21.205	ug/l	96
13) Acrolein	4.183	56	25468	74.344	ug/l	96
14) Allyl chloride	5.018	41	40320	19.042	ug/l	98
15) Acrylonitrile	5.718	53	88471	104.298	ug/l	98
16) Acetone	4.430	43	70665	101.961	ug/l	97
17) Carbon Disulfide	4.712	76	102923	18.439	ug/l	99
18) Methyl Acetate	5.024	43	37012	21.584	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	107914	19.403	ug/l	95
20) Methylene Chloride	5.277	84	42329	20.877	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	38700	20.864	ug/l	94
22) Diisopropyl ether	6.671	45	98876	21.913	ug/l	95
23) Vinyl Acetate	6.600	43	351310	102.706	ug/l	98
24) 1,1-Dichloroethane	6.565	63	69842	21.049	ug/l	98
25) 2-Butanone	7.482	43	102967	102.962	ug/l	99
26) 2,2-Dichloropropane	7.488	77	67968	21.277	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	43376	20.579	ug/l	100
28) Bromochloromethane	7.812	49	25026	17.802	ug/l	93
29) Tetrahydrofuran	7.841	42	69419	112.439	ug/l	99
30) Chloroform	7.965	83	77736	21.196	ug/l	97
31) Cyclohexane	8.253	56	55635	19.682	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	73753	21.244	ug/l	96
36) 1,1-Dichloropropene	8.371	75	50057	21.096	ug/l	99
37) Ethyl Acetate	7.559	43	45227	22.593	ug/l	97
38) Carbon Tetrachloride	8.359	117	67014	21.479	ug/l	96
39) Methylcyclohexane	9.600	83	46214	19.630	ug/l	95
40) Benzene	8.606	78	162359	21.796	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086038.D
 Acq On : 21 Mar 2025 14:16
 Operator : JC\MD
 Sample : VN0321WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/24/2025
 Supervised By :Semsettin Yesilyurt 03/24/2025

Quant Time: Mar 21 22:56:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	22922	23.980	ug/l	94
42) 1,2-Dichloroethane	8.665	62	55289	21.302	ug/l	97
43) Isopropyl Acetate	8.682	43	71672	16.522	ug/l	99
44) Trichloroethene	9.347	130	38484	19.934	ug/l	96
45) 1,2-Dichloropropane	9.618	63	38092	22.483	ug/l	96
46) Dibromomethane	9.712	93	29567	22.191	ug/l	100
47) Bromodichloromethane	9.888	83	61741	22.172	ug/l	97
48) Methyl methacrylate	9.682	41	30257	21.137	ug/l	99
49) 1,4-Dioxane	9.688	88	15845	468.247	ug/l	92
51) 4-Methyl-2-Pentanone	10.441	43	221392	115.724	ug/l	97
52) Toluene	10.629	92	103671	22.676	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	56928	21.051	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	60660	21.260	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	40994	23.493	ug/l	92
56) Ethyl methacrylate	10.871	69	51183	21.321	ug/l	95
57) 1,3-Dichloropropane	11.159	76	63941	21.574	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	93430	103.446	ug/l	98
59) 2-Hexanone	11.194	43	164077	117.729	ug/l	96
60) Dibromochloromethane	11.359	129	50174	22.283	ug/l	99
61) 1,2-Dibromoethane	11.470	107	39752	22.191	ug/l	97
64) Tetrachloroethene	11.100	164	40102	20.925	ug/l	99
65) Chlorobenzene	11.888	112	112159	20.402	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	42909	20.997	ug/l	99
67) Ethyl Benzene	11.959	91	174963	19.896	ug/l	99
68) m/p-Xylenes	12.070	106	145460	42.084	ug/l	99
69) o-Xylene	12.400	106	66608	20.996	ug/l	98
70) Styrene	12.412	104	114658	21.161	ug/l	99
71) Bromoform	12.576	173	36665	21.462	ug/l #	98
73) Isopropylbenzene	12.694	105	163559	19.128	ug/l	100
74) N-amyl acetate	12.494	43	56434	19.727	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	58157	20.104	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	57942m	20.669	ug/l	
77) Bromobenzene	12.982	156	46938	19.687	ug/l	99
78) n-propylbenzene	13.035	91	198861	20.539	ug/l	99
79) 2-Chlorotoluene	13.123	91	129802	20.183	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	145703	20.183	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	20219	19.069	ug/l	91
82) 4-Chlorotoluene	13.217	91	133793	20.230	ug/l	98
83) tert-Butylbenzene	13.435	119	113852	18.440	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	149453	20.525	ug/l	99
85) sec-Butylbenzene	13.612	105	164004	20.362	ug/l	99
86) p-Isopropyltoluene	13.729	119	134977	19.796	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	85795	19.963	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	83605	18.516	ug/l	97
89) n-Butylbenzene	14.053	91	103000	18.551	ug/l	98
90) Hexachloroethane	14.329	117	30365	19.301	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	81203	19.007	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11288	19.548	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	35239	16.404	ug/l	96
94) Hexachlorobutadiene	15.500	225	22023	17.671	ug/l	98
95) Naphthalene	15.641	128	96781	15.559	ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	36298	17.807	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
Data File : VN086038.D
Acq On : 21 Mar 2025 14:16
Operator : JC\MD
Sample : VN0321WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/24/2025
Supervised By :Semsettin Yesilyurt 03/24/2025

Quant Time: Mar 21 22:56:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

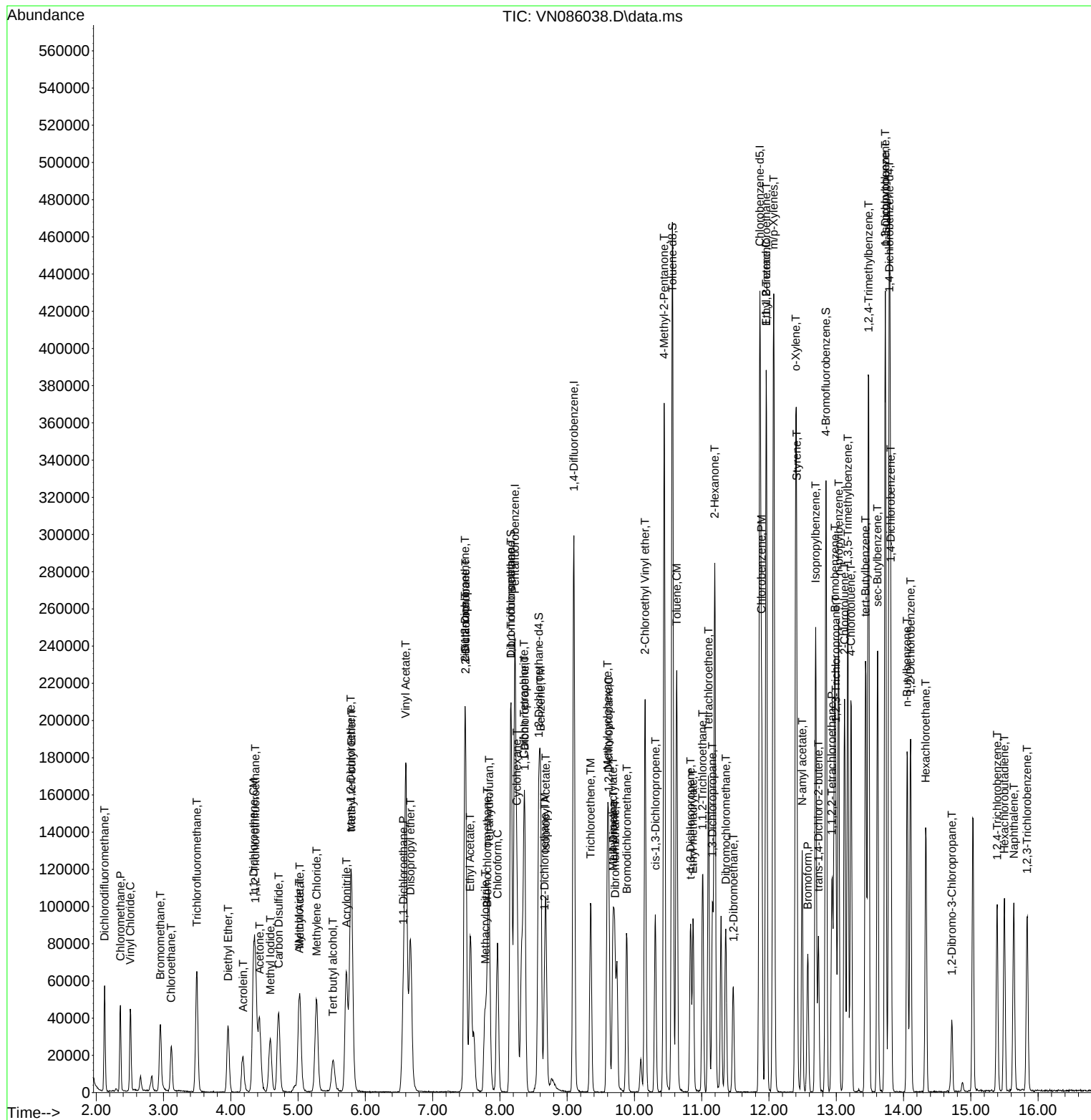
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
Data File : VN086038.D
Acq On : 21 Mar 2025 14:16
Operator : JC\MD
Sample : VN0321WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/24/2025
Supervised By :Semsettin Yesilyurt 03/24/2025

Quant Time: Mar 21 22:56:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0321WBSD01	SDG No.:	Q1609
Lab Sample ID:	VN0321WBSD01	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
VN086039.D	1		03/21/25 14:52	VN032125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	21.4		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	20.7		0.23	5.00	ug/L
78-93-3	2-Butanone	110		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	21.5		0.25	5.00	ug/L
67-66-3	Chloroform	21.4		0.25	5.00	ug/L
71-43-2	Benzene	22.0		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	22.4		0.22	5.00	ug/L
79-01-6	Trichloroethene	20.1		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	20.7		0.23	5.00	ug/L
108-90-7	Chlorobenzene	20.8		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.4		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	154000	8.224			
540-36-3	1,4-Difluorobenzene	246000	9.1			
3114-55-4	Chlorobenzene-d5	226000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	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\VN032125\
 Data File : VN086039.D
 Acq On : 21 Mar 2025 14:52
 Operator : JC\MD
 Sample : VN0321WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/24/2025
 Supervised By : Semsettin Yesilyurt 03/24/2025

Quant Time: Mar 21 22:57:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	154418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	246307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	225945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108740	51.426	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.860%			
35) Dibromofluoromethane	8.165	113	88282	51.351	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.700%			
50) Toluene-d8	10.565	98	318545	51.053	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.100%			
62) 4-Bromofluorobenzene	12.847	95	114757	51.572	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	43279	21.155	ug/l	97
3) Chloromethane	2.360	50	38572	21.507	ug/l	99
4) Vinyl Chloride	2.512	62	39200	21.377	ug/l	98
5) Bromomethane	2.954	94	25419	20.350	ug/l	94
6) Chloroethane	3.112	64	24433	21.120	ug/l	89
7) Trichlorofluoromethane	3.495	101	67541	20.489	ug/l	99
8) Diethyl Ether	3.959	74	20931	20.741	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.365	101	38292	21.856	ug/l	98
10) Methyl Iodide	4.583	142	48482	21.237	ug/l	95
11) Tert butyl alcohol	5.512	59	31433	104.995	ug/l	100
12) 1,1-Dichloroethene	4.336	96	32777	20.719	ug/l	89
13) Acrolein	4.177	56	26363	82.563	ug/l	98
14) Allyl chloride	5.024	41	38565	19.540	ug/l	100
15) Acrylonitrile	5.712	53	91036	115.140	ug/l	98
16) Acetone	4.430	43	69387	107.410	ug/l	97
17) Carbon Disulfide	4.712	76	98338	18.901	ug/l	98
18) Methyl Acetate	5.024	43	38172	23.883	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	110994	21.411	ug/l	97
20) Methylene Chloride	5.271	84	42059	22.255	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	35697	20.647	ug/l	99
22) Diisopropyl ether	6.671	45	97481	23.178	ug/l	96
23) Vinyl Acetate	6.600	43	395328	123.995	ug/l	99
24) 1,1-Dichloroethane	6.565	63	67872	21.946	ug/l	99
25) 2-Butanone	7.483	43	104216	111.803	ug/l	97
26) 2,2-Dichloropropane	7.483	77	60697	20.385	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	42415	21.589	ug/l	98
28) Bromochloromethane	7.812	49	23634	18.037	ug/l	100
29) Tetrahydrofuran	7.841	42	68628	119.255	ug/l	97
30) Chloroform	7.965	83	73037	21.365	ug/l	96
31) Cyclohexane	8.253	56	52681	19.995	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	68195	21.074	ug/l	97
36) 1,1-Dichloropropene	8.371	75	47163	20.834	ug/l	99
37) Ethyl Acetate	7.559	43	43477	22.765	ug/l	98
38) Carbon Tetrachloride	8.359	117	64048	21.518	ug/l	95
39) Methylcyclohexane	9.600	83	44368	19.755	ug/l #	88
40) Benzene	8.606	78	156416	22.010	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
 Data File : VN086039.D
 Acq On : 21 Mar 2025 14:52
 Operator : JC\MD
 Sample : VN0321WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/24/2025
 Supervised By :Semsettin Yesilyurt 03/24/2025

Quant Time: Mar 21 22:57:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	23110	25.342	ug/l	90
42) 1,2-Dichloroethane	8.665	62	55369	22.361	ug/l	99
43) Isopropyl Acetate	8.688	43	70924	17.138	ug/l	98
44) Trichloroethene	9.347	130	36948	20.061	ug/l	97
45) 1,2-Dichloropropane	9.618	63	36791	22.762	ug/l	95
46) Dibromomethane	9.706	93	28759	22.625	ug/l	99
47) Bromodichloromethane	9.883	83	60334	22.711	ug/l	99
48) Methyl methacrylate	9.677	41	30431	22.283	ug/l	97
49) 1,4-Dioxane	9.688	88	15123	468.450	ug/l	89
51) 4-Methyl-2-Pentanone	10.441	43	221159	121.174	ug/l	98
52) Toluene	10.630	92	99552	22.825	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	56523	21.908	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	59391	21.818	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	39047	23.456	ug/l	94
56) Ethyl methacrylate	10.871	69	51792	22.487	ug/l	98
57) 1,3-Dichloropropane	11.159	76	63178	22.344	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	93811	108.244	ug/l	98
59) 2-Hexanone	11.194	43	160793	120.933	ug/l	97
60) Dibromochloromethane	11.359	129	48376	22.520	ug/l	98
61) 1,2-Dibromoethane	11.465	107	38768	22.684	ug/l	99
64) Tetrachloroethene	11.100	164	37289	20.689	ug/l	97
65) Chlorobenzene	11.888	112	107511	20.794	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	40838	21.248	ug/l	97
67) Ethyl Benzene	11.965	91	168114	20.327	ug/l	97
68) m/p-Xylenes	12.071	106	140277	43.153	ug/l	98
69) o-Xylene	12.394	106	63591	21.314	ug/l	98
70) Styrene	12.412	104	111101	21.802	ug/l	98
71) Bromoform	12.576	173	35201	21.909	ug/l #	100
73) Isopropylbenzene	12.694	105	157043	19.930	ug/l	99
74) N-amyl acetate	12.494	43	55862	21.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	56119	21.051	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	50345m	19.489	ug/l	
77) Bromobenzene	12.982	156	44946	20.456	ug/l	99
78) n-propylbenzene	13.035	91	190318	21.330	ug/l	99
79) 2-Chlorotoluene	13.124	91	123495	20.838	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	139940	21.035	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	19240	19.691	ug/l	90
82) 4-Chlorotoluene	13.218	91	127817	20.972	ug/l	98
83) tert-Butylbenzene	13.435	119	108678	19.101	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	141791	21.131	ug/l	98
85) sec-Butylbenzene	13.618	105	155610	20.964	ug/l	99
86) p-Isopropyltoluene	13.729	119	131559	20.938	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	84231	21.268	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	82001	19.707	ug/l	98
89) n-Butylbenzene	14.053	91	101627	19.862	ug/l	98
90) Hexachloroethane	14.329	117	28798	19.863	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	80852	20.536	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	11663	21.917	ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	34745	17.551	ug/l	96
94) Hexachlorobutadiene	15.500	225	21485	18.707	ug/l	98
95) Naphthalene	15.641	128	99673	17.388	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	34861	18.559	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
Data File : VN086039.D
Acq On : 21 Mar 2025 14:52
Operator : JC\MD
Sample : VN0321WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/24/2025
Supervised By :Semsettin Yesilyurt 03/24/2025

Quant Time: Mar 21 22:57:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

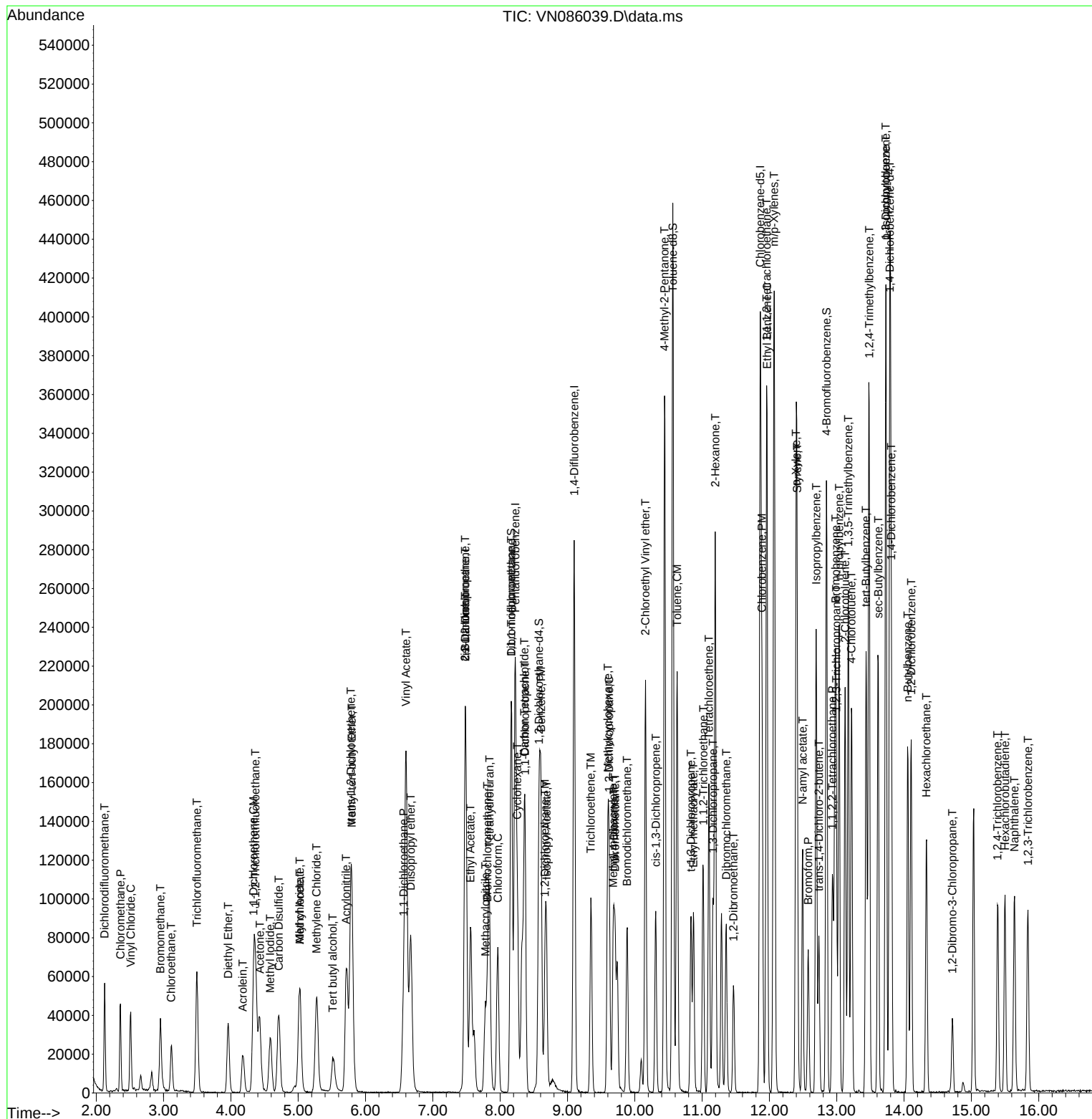
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032125\
Data File : VN086039.D
Acq On : 21 Mar 2025 14:52
Operator : JC\MD
Sample : VN0321WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/24/2025
Supervised By :Semsettin Yesilyurt 03/24/2025

Quant Time: Mar 21 22:57:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VN031825	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085996.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:30 AM	MMDadoda	3/19/2025 2:21:56 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Vinyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC005	VN086000.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:51 AM	MMDadoda	3/19/2025 2:22:03 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1,2-Trichlorotrifluoroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1-Dichloroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,4-Dichlorobenzene	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN031825

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086001.D	Diisopropyl ether	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	Ethyl Acetate	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICV050	VN086003.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:43:04 AM	MMDadoda	3/19/2025 2:22:08 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

vn032125

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086036.D	1,2,3-Trichloropropane	JOHN	3/24/2025 9:59:29 AM	SAM	3/24/2025 2:41:58 PM	Peak Integrated by Software
VN0321WBS01	VN086038.D	1,2,3-Trichloropropane	JOHN	3/24/2025 9:59:33 AM	SAM	3/24/2025 2:41:59 PM	Peak Integrated by Software
VN0321WBSD01	VN086039.D	1,2,3-Trichloropropane	JOHN	3/24/2025 9:59:37 AM	SAM	3/24/2025 2:42:01 PM	Peak Integrated by Software
VSTDCCC050	VN086063.D	1,2,3-Trichloropropane	JOHN	3/24/2025 9:59:53 AM	SAM	3/24/2025 2:42:04 PM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM
Supervise By	Maresh Dadoda	Supervise On	3/19/2025 2:22:13 PM
SubDirectory	VN031825	HP Acquire Method	HP Processing Method 82N031825W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133352		
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399		
CCC	VP133353		
Internal Standard/PEM			
ICV/I.BLK	VP133401		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085994.D	18 Mar 2025 08:52	JC\MD	Ok
2	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	JC\MD	Not Ok
3	VSTDICC100	VN085996.D	18 Mar 2025 11:44	JC\MD	Ok,M
4	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	JC\MD	Ok,M
5	VSTDICC020	VN085998.D	18 Mar 2025 12:32	JC\MD	Ok,M
6	VSTDICC010	VN085999.D	18 Mar 2025 12:57	JC\MD	Ok,M
7	VSTDICC005	VN086000.D	18 Mar 2025 13:21	JC\MD	Ok,M
8	VSTDICC001	VN086001.D	18 Mar 2025 14:09	JC\MD	Ok,M
9	IBLK	VN086002.D	18 Mar 2025 14:34	JC\MD	Ok
10	VSTDICV050	VN086003.D	18 Mar 2025 16:49	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN032125

Review By	John Carlone	Review On	3/24/2025 10:02:05 AM
Supervise By	Semsettin Yesilyurt	Supervise On	3/24/2025 2:42:26 PM
SubDirectory	VN032125	HP Acquire Method	HP Processing Method 82N031825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133435		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133436,VP133437		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086035.D	21 Mar 2025 12:44	JC\MD	Ok
2	VSTDCCC050	VN086036.D	21 Mar 2025 13:17	JC\MD	Ok,M
3	VN0321WBL01	VN086037.D	21 Mar 2025 13:52	JC\MD	Ok
4	VN0321WBS01	VN086038.D	21 Mar 2025 14:16	JC\MD	Ok,M
5	VN0321WBSD01	VN086039.D	21 Mar 2025 14:52	JC\MD	Ok,M
6	PB167234TB	VN086040.D	21 Mar 2025 15:17	JC\MD	Ok
7	PB167234ZHE#01	VN086041.D	21 Mar 2025 15:41	JC\MD	Ok
8	PB167234ZHE#02	VN086042.D	21 Mar 2025 16:05	JC\MD	Ok
9	PB167234ZHE#03	VN086043.D	21 Mar 2025 16:29	JC\MD	Ok
10	PB167234ZHE#04	VN086044.D	21 Mar 2025 16:54	JC\MD	Ok
11	PB167234ZHE#05	VN086045.D	21 Mar 2025 17:18	JC\MD	Ok
12	PB167234ZHE#06	VN086046.D	21 Mar 2025 17:42	JC\MD	Ok
13	PB167234ZHE#07	VN086047.D	21 Mar 2025 18:06	JC\MD	Ok
14	PB167234ZHE#08	VN086048.D	21 Mar 2025 18:30	JC\MD	Ok
15	PB167234ZHE#09	VN086049.D	21 Mar 2025 18:54	JC\MD	Ok
16	PB167234ZHE#10	VN086050.D	21 Mar 2025 19:18	JC\MD	Ok
17	PB167234ZHE#11	VN086051.D	21 Mar 2025 19:42	JC\MD	Ok
18	PB167234ZHE#12	VN086052.D	21 Mar 2025 20:06	JC\MD	Ok
19	PB167234ZHE#13	VN086053.D	21 Mar 2025 20:30	JC\MD	Ok
20	Q1605-02	VN086054.D	21 Mar 2025 20:54	JC\MD	Ok
21	Q1610-03	VN086055.D	21 Mar 2025 21:18	JC\MD	Ok,M

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN032125

Review By	John Carlone	Review On	3/24/2025 10:02:05 AM
Supervise By	Semsettin Yesilyurt	Supervise On	3/24/2025 2:42:26 PM
SubDirectory	VN032125	HP Acquire Method	HP Processing Method 82N031825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133435		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133436,VP133437		

22	Q1606-02	VN086056.D	21 Mar 2025 21:42	JC\MD	Ok
23	Q1606-04	VN086057.D	21 Mar 2025 22:07	JC\MD	Ok
24	Q1606-06	VN086058.D	21 Mar 2025 22:31	JC\MD	Ok
25	Q1606-08	VN086059.D	21 Mar 2025 22:55	JC\MD	Ok
26	Q1606-10	VN086060.D	21 Mar 2025 23:19	JC\MD	Ok
27	Q1609-01	VN086061.D	21 Mar 2025 23:43	JC\MD	Ok
28	Q1619-06	VN086062.D	22 Mar 2025 00:07	JC\MD	Ok
29	VSTDCCC050	VN086063.D	22 Mar 2025 00:31	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM
Supervise By	Maresh Dadoda	Supervise On	3/19/2025 2:22:13 PM
SubDirectory	VN031825	HP Acquire Method	HP Processing Method 82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133352 VP133393,VP133394,VP133395,VP133396,VP133397,VP133399
CCC Internal Standard/PEM	VP133353
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133401

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085994.D	18 Mar 2025 08:52		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN085996.D	18 Mar 2025 11:44		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	Comp.#56 and 58 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN085998.D	18 Mar 2025 12:32		JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN085999.D	18 Mar 2025 12:57	%D failed for Comp. #58 in 01PPB and 20PPB	JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN086000.D	18 Mar 2025 13:21		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN086001.D	18 Mar 2025 14:09		JC\MD	Ok,M
9	IBLK	IBLK	VN086002.D	18 Mar 2025 14:34		JC\MD	Ok
10	VSTDICV050	ICVVN031825	VN086003.D	18 Mar 2025 16:49	ICV Failed for comp. #39,52,58,68,69,70,78,80,84,85, 86,89 For DOD	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN032125

Review By	John Carlone	Review On	3/24/2025 10:02:05 AM
Supervise By	Semsettin Yesilyurt	Supervise On	3/24/2025 2:42:26 PM
SubDirectory	VN032125	HP Acquire Method	HP Processing Method 82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133435
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133436,VP133437

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086035.D	21 Mar 2025 12:44		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086036.D	21 Mar 2025 13:17	pH#Lot#V12668	JC\MD	Ok,M
3	VN0321WBL01	VN0321WBL01	VN086037.D	21 Mar 2025 13:52		JC\MD	Ok
4	VN0321WBS01	VN0321WBS01	VN086038.D	21 Mar 2025 14:16		JC\MD	Ok,M
5	VN0321WBSD01	VN0321WBSD01	VN086039.D	21 Mar 2025 14:52		JC\MD	Ok,M
6	PB167234TB	PB167234TB	VN086040.D	21 Mar 2025 15:17		JC\MD	Ok
7	PB167234ZHE#01	PB167234ZHE#01	VN086041.D	21 Mar 2025 15:41		JC\MD	Ok
8	PB167234ZHE#02	PB167234ZHE#02	VN086042.D	21 Mar 2025 16:05		JC\MD	Ok
9	PB167234ZHE#03	PB167234ZHE#03	VN086043.D	21 Mar 2025 16:29		JC\MD	Ok
10	PB167234ZHE#04	PB167234ZHE#04	VN086044.D	21 Mar 2025 16:54		JC\MD	Ok
11	PB167234ZHE#05	PB167234ZHE#05	VN086045.D	21 Mar 2025 17:18		JC\MD	Ok
12	PB167234ZHE#06	PB167234ZHE#06	VN086046.D	21 Mar 2025 17:42		JC\MD	Ok
13	PB167234ZHE#07	PB167234ZHE#07	VN086047.D	21 Mar 2025 18:06		JC\MD	Ok
14	PB167234ZHE#08	PB167234ZHE#08	VN086048.D	21 Mar 2025 18:30		JC\MD	Ok
15	PB167234ZHE#09	PB167234ZHE#09	VN086049.D	21 Mar 2025 18:54		JC\MD	Ok
16	PB167234ZHE#10	PB167234ZHE#10	VN086050.D	21 Mar 2025 19:18		JC\MD	Ok
17	PB167234ZHE#11	PB167234ZHE#11	VN086051.D	21 Mar 2025 19:42		JC\MD	Ok
18	PB167234ZHE#12	PB167234ZHE#12	VN086052.D	21 Mar 2025 20:06		JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN032125

Review By	John Carlone	Review On	3/24/2025 10:02:05 AM
Supervise By	Semsettin Yesilyurt	Supervise On	3/24/2025 2:42:26 PM
SubDirectory	VN032125	HP Acquire Method	HP Processing Method 82N031825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133435		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133436,VP133437		

19	PB167234ZHE#13	PB167234ZHE#13	VN086053.D	21 Mar 2025 20:30		JC\MD	Ok
20	Q1605-02	DRUM-SOIL-CUTTING	VN086054.D	21 Mar 2025 20:54	vial A pH#5.0	JC\MD	Ok
21	Q1610-03	SOIL-PILE	VN086055.D	21 Mar 2025 21:18	vial A pH#5.0	JC\MD	Ok,M
22	Q1606-02	CHRT24743	VN086056.D	21 Mar 2025 21:42	vial A pH#5.0	JC\MD	Ok
23	Q1606-04	RBR251346	VN086057.D	21 Mar 2025 22:07	vial A pH#5.0	JC\MD	Ok
24	Q1606-06	RT4534	VN086058.D	21 Mar 2025 22:31	vial A pH#5.0	JC\MD	Ok
25	Q1606-08	RT3025	VN086059.D	21 Mar 2025 22:55	vial A pH#5.0	JC\MD	Ok
26	Q1606-10	CHRT28607	VN086060.D	21 Mar 2025 23:19	vial A pH#5.0	JC\MD	Ok
27	Q1609-01	WC-SCRN-01-G	VN086061.D	21 Mar 2025 23:43	vial A pH#5.0	JC\MD	Ok
28	Q1619-06	TP-1	VN086062.D	22 Mar 2025 00:07	vial A pH#5.0	JC\MD	Ok
29	VSTDCCC050	VSTDCCC050EC	VN086063.D	22 Mar 2025 00:31		JC\MD	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-15
SDG No : N/A
Weigh By : JP
Balance ID : WC SC-7
pH Meter ID : WC PH METER-1
Extraction By : JP
Filter By : JP
Pipette ID : WC
Tumbler ID : ZHE-1 / ZHE-2
TCLP Filter ID : 50223706

Start Prep Date : 03/20/2025 Time : 16:35

End Prep Date : 03/21/2025 Time : 10:30

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ V N032125

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : *JP*

Supervisor By : *12*

Standardized 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
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110802
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	23237	N/A

Extraction Conformance/Non-Conformance Comments:

TUMBLER ZHE-1 checked, 30 rpm. ALL ZHE are extracted and given as vial A & B. Leak checked after 10 minutes of tumbling.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/21/25 11:30	<i>JP</i> / TCLP Room	<i>S-Y</i> / VDC Lab
	Preparation Group	Analysis Group

03/21/25

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
PB167234TB	LEB234	14	N/A	500	N/A	N/A	N/A	4.94	N/A	ZHE-2
Q1605-02	DRUM-SOIL-CUTTING	01	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1606-02	CHRT24743	02	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1606-04	RBR251346	03	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1606-06	RT4534	04	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1606-08	RT3025	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1606-10	CHRT28607	06	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1609-01	WC-SCRN-01-G	07	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1610-03	SOIL-PILE	08	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1619-06	TP-1	09	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1619-08	TP-2	10	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1619-10	TP-3	11	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q1619-12	TP-4	12	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q1619-14	TP-5	13	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167234TB	LEB234	N/A	N/A	N/A	N/A	N/A	N/A
Q1605-02	DRUM-SOIL-CUTTING	N/A	N/A	N/A	N/A	100	N/A
Q1606-02	CHRT24743	N/A	N/A	N/A	N/A	100	N/A
Q1606-04	RBR251346	N/A	N/A	N/A	N/A	100	N/A
Q1606-06	RT4534	N/A	N/A	N/A	N/A	100	N/A
Q1606-08	RT3025	N/A	N/A	N/A	N/A	100	N/A
Q1606-10	CHRT28607	N/A	N/A	N/A	N/A	100	N/A
Q1609-01	WC-SCRN-01-G	N/A	N/A	N/A	N/A	100	N/A
Q1610-03	SOIL-PILE	N/A	N/A	N/A	N/A	100	N/A
Q1619-06	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q1619-08	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q1619-10	TP-3	N/A	N/A	N/A	N/A	100	N/A
Q1619-12	TP-4	N/A	N/A	N/A	N/A	100	N/A
Q1619-14	TP-5	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP ZHE Q1609

WorkList ID : 188404

Department : TCLP Extraction

Date : 03-20-2025 11:15:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1605-02	DRUM-SOIL-CUTTING	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I31	03/19/2025	1311 ZHE
Q1606-02	CHRT24743	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/19/2025	1311 ZHE
Q1606-04	RBR251346	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/19/2025	1311 ZHE
Q1606-06	RT4534	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/19/2025	1311 ZHE
Q1606-08	RT3025	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/19/2025	1311 ZHE
Q1606-10	CHRT28607	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/19/2025	1311 ZHE
Q1609-01	WC-SCRN-01-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/19/2025	1311 ZHE
Q1610-03	SOIL-PILE	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	I51	03/19/2025	1311 ZHE
Q1619-06	TP-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/20/2025	1311 ZHE
Q1619-08	TP-2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/20/2025	1311 ZHE
Q1619-10	TP-3	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/20/2025	1311 ZHE
Q1619-12	TP-4	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/20/2025	1311 ZHE
Q1619-14	TP-5	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	I41	03/20/2025	1311 ZHE

Date/Time 03/20/25 16:10

Raw Sample Received by: SO WCC

Raw Sample Relinquished by: SO WCC

Date/Time 03/20/25

Raw Sample Received by: SO WCC

Raw Sample Relinquished by: SO WCC



SHIPPING DOCUMENTS



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

CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q1609

COC Number: 2042111

Page 1 of 2

CLIENT INFORMATION

PROJECT INFORMATION

BILLING 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 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:

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

DATA DELIVERABLE INFORMATION

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

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

ANALYSIS

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

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										
			COMP	GRAB	DATE	TIME		E	E	E	E	E	E	E	E	E	
1.	WC-SCRN-01-G	Soil		X	3/19	13:30	1	X									
2.	WC-SCRN-01-C	Soil	X		3/19	13:30	11		X	X	X	X	X	X	X	X	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER 1. Jarod Stanfield	DATE/TIME 3/19 15:30	RECEIVED BY 1. 3-20-25 0830	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.0 ☐ Ice in Cooler?: _____
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	Comments:
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.	SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight Page _____ of _____
			Shipment Complete ☐ YES ☐ NO



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CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q1609

COC Number: 2042111

Page 2 of 2

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

ANALYSIS

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

PRESERVATIVES

COMMENTS

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

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: 5 DAYS*
EDD 5 DAYS*

* TO BE APPROVED BY ALLIANCE

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

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

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	PRESERVATIVES									
			COMP	GRAB	DATE	TIME		E	E	E	E	E	E	E	E	E	
1.	WC-SCRN-01-G	Soil		X	3/19	13:30	1										
2.	WC-SCRN-01-C	Soil	X		3/19	13:30	11	X	X	X	X	X	X	X			
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER 1. Jarod Stanfield	DATE/TIME 3/19 15:30	RECEIVED BY 1.  3-20-25 0830	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.0 ☐ Ice in Cooler?:
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	Comments:
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.	Page ____ of ____
SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight			Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY

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