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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	Q1282	**OrderDate:**	2/3/2025 4:26:00 PM
Client:	ENTACT	**Project:**	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	**Location:**	D11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1282-01	**SW-WTS-02**	**Water**			**01/31/25**			**02/03/25**
			VOCMS Group4	8260-Low			02/04/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1282

Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

QC SUMMARY

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Surrogate Summary

SDG No.: Q1282

Client: ENTACT

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1282-01	SW-WTS-02	1,2-Dichloroethane-d4	50	46.2	92	70 (74)	130 (125)
		Dibromofluoromethane	50	48.0	96	70 (75)	130 (124)
		Toluene-d8	50	48.5	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.0	88	70 (77)	130 (121)
VN0204WBL01	VN0204WBL01	1,2-Dichloroethane-d4	50	49.9	100	70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101	70 (75)	130 (124)
		Toluene-d8	50	49.2	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.2	88	70 (77)	130 (121)
VN0204WBS02	VN0204WBS02	1,2-Dichloroethane-d4	50	45.2	90	70 (74)	130 (125)
		Dibromofluoromethane	50	48.7	97	70 (75)	130 (124)
		Toluene-d8	50	49.8	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.8	96	70 (77)	130 (121)
VN0204WBSD0	VN0204WBSD02	1,2-Dichloroethane-d4	50	42.7	85	70 (74)	130 (125)
		Dibromofluoromethane	50	52.2	104	70 (75)	130 (124)
		Toluene-d8	50	48.0	96	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.9	96	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1282

Client: ENTACT

Analytical Method: SW8260-Low **Datafile :** VN085651.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0204WBS02	Methyl tert-butyl Ether	20	20.3	ug/L	102			70 (78)	130 (114)	
	Carbon Tetrachloride	20	19.1	ug/L	96			70 (77)	130 (113)	
	Chloroform	20	20.1	ug/L	101			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			70 (80)	130 (108)	
	Benzene	20	20.6	ug/L	103			70 (82)	130 (109)	
	Toluene	20	21.7	ug/L	109			70 (82)	130 (110)	
	Tetrachloroethene	20	21.2	ug/L	106			70 (67)	130 (123)	
	Ethyl Benzene	20	20.6	ug/L	103			70 (83)	130 (109)	
	m/p-Xylenes	40	43.4	ug/L	109			70 (82)	130 (110)	
	o-Xylene	20	21.1	ug/L	106			70 (83)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1282

Client: ENTACT

Analytical Method: SW8260-Low **Datafile :** VN085655.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0204WBSD02	Methyl tert-butyl Ether	20	21.8	ug/L	109	7		70 (78)	130 (114)	20 (20)
	Carbon Tetrachloride	20	21.3	ug/L	106	10		70 (77)	130 (113)	20 (20)
	Chloroform	20	19.7	ug/L	99	2		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	20.1	ug/L	101	1		70 (80)	130 (108)	20 (20)
	Benzene	20	22.2	ug/L	111	7		70 (82)	130 (109)	20 (20)
	Toluene	20	21.5	ug/L	108	1		70 (82)	130 (110)	20 (20)
	Tetrachloroethene	20	20.5	ug/L	103	3		70 (67)	130 (123)	20 (20)
	Ethyl Benzene	20	21.4	ug/L	107	4		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	45.4	ug/L	114	4		70 (82)	130 (110)	20 (20)
	o-Xylene	20	23.0	ug/L	115	8		70 (83)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0204WBL01

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q1282 SAS No.: Q1282 SDG NO.: Q1282

Lab File ID: VN085647.D Lab Sample ID: VN0204WBL01

Date Analyzed: 02/04/2025 Time Analyzed: 12:31

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
VN0204WBS02	VN0204WBS02	VN085651.D	02/04/2025
VN0204WBSD02	VN0204WBSD02	VN085655.D	02/04/2025
SW-WTS-02	Q1282-01	VN085663.D	02/04/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q1282 SAS No.: Q1282 SDG NO.: Q1282

Lab File ID: VN085437.D BFB Injection Date: 01/14/2025

Instrument ID: MSVOA_N BFB Injection Time: 14:22

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.3
75	30.0 - 60.0% of mass 95	58
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.8
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	76
175	5.0 - 9.0% of mass 174	5.4 (7.1) 1
176	95.0 - 101.0% of mass 174	74.1 (97.4) 1
177	5.0 - 9.0% of mass 176	4.9 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085438.D	01/14/2025	14:56
VSTDICCC050	VSTDICCC050	VN085439.D	01/14/2025	15:19
VSTDICC020	VSTDICC020	VN085440.D	01/14/2025	15:43
VSTDICC010	VSTDICC010	VN085441.D	01/14/2025	16:07
VSTDICC005	VSTDICC005	VN085442.D	01/14/2025	16:31
VSTDICC001	VSTDICC001	VN085443.D	01/14/2025	17:19

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q1282 SAS No.: Q1282 SDG NO.: Q1282

Lab File ID: VN085644.D BFB Injection Date: 02/04/2025

Instrument ID: MSVOA_N BFB Injection Time: 09:55

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	51.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1.2 (1.4) 1
174	50.0 - 100.0% of mass 95	80.1
175	5.0 - 9.0% of mass 174	5.8 (7.2) 1
176	95.0 - 101.0% of mass 174	77.2 (96.3) 1
177	5.0 - 9.0% of mass 176	4.4 (5.7) 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	VN085645.D	02/04/2025	11:05
VN0204WBL01	VN0204WBL01	VN085647.D	02/04/2025	12:31
VN0204WBS02	VN0204WBS02	VN085651.D	02/04/2025	14:51
VN0204WBSD02	VN0204WBSD02	VN085655.D	02/04/2025	16:37
SW-WTS-02	Q1282-01	VN085663.D	02/04/2025	19:51

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q1282 SAS No.: Q1282 SDG NO.: Q1282

Lab File ID: VN085645.D Date Analyzed: 02/04/2025

Instrument ID: MSVOA_N Time Analyzed: 11:05

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	200704	8.22	345148	9.10	309053	11.87
UPPER LIMIT	401408	8.724	690296	9.6	618106	12.365
LOWER LIMIT	100352	7.724	172574	8.6	154527	11.365
EPA SAMPLE NO.						
SW-WTS-02	190893	8.22	365251	9.10	313691	11.87
VN0204WBL01	197983	8.22	379434	9.10	328690	11.87
VN0204WBS02	206401	8.22	367320	9.10	317764	11.87
VN0204WBSD02	250474	8.22	394206	9.10	352019	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q1282 SAS No.: Q1282 SDG NO.: Q1282

Lab File ID: VN085645.D Date Analyzed: 02/04/2025

Instrument ID: MSVOA_N Time Analyzed: 11:05

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

	IS4 AREA #	RT #				
12 HOUR STD	157058	13.788				
UPPER LIMIT	314116	14.288				
LOWER LIMIT	78529	13.288				
EPA SAMPLE NO.						
SW-WTS-02	125407	13.79				
VN0204WBL01	132287	13.79				
VN0204WBS02	150317	13.79				
VN0204WBSD02	163365	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VN085663.D**

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Report of Analysis

Client:	ENTACT	Date Collected:	01/31/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	02/03/25
Client Sample ID:	SW-WTS-02	SDG No.:	Q1282
Lab Sample ID:	Q1282-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085663.D	1		02/04/25 19:51	VN020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
1330-20-7	Total Xylenes	0.45	U	0.45	3.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.2		70 (74) - 130 (125)	92%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	48.5		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.0		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	191000	8.218			
540-36-3	1,4-Difluorobenzene	365000	9.1			
3114-55-4	Chlorobenzene-d5	314000	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\VN020425\
Data File : VN085663.D
Acq On : 04 Feb 2025 19:51
Operator : JC\MD
Sample : Q1282-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SW-WTS-02

Quant Time: Feb 05 01:10:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

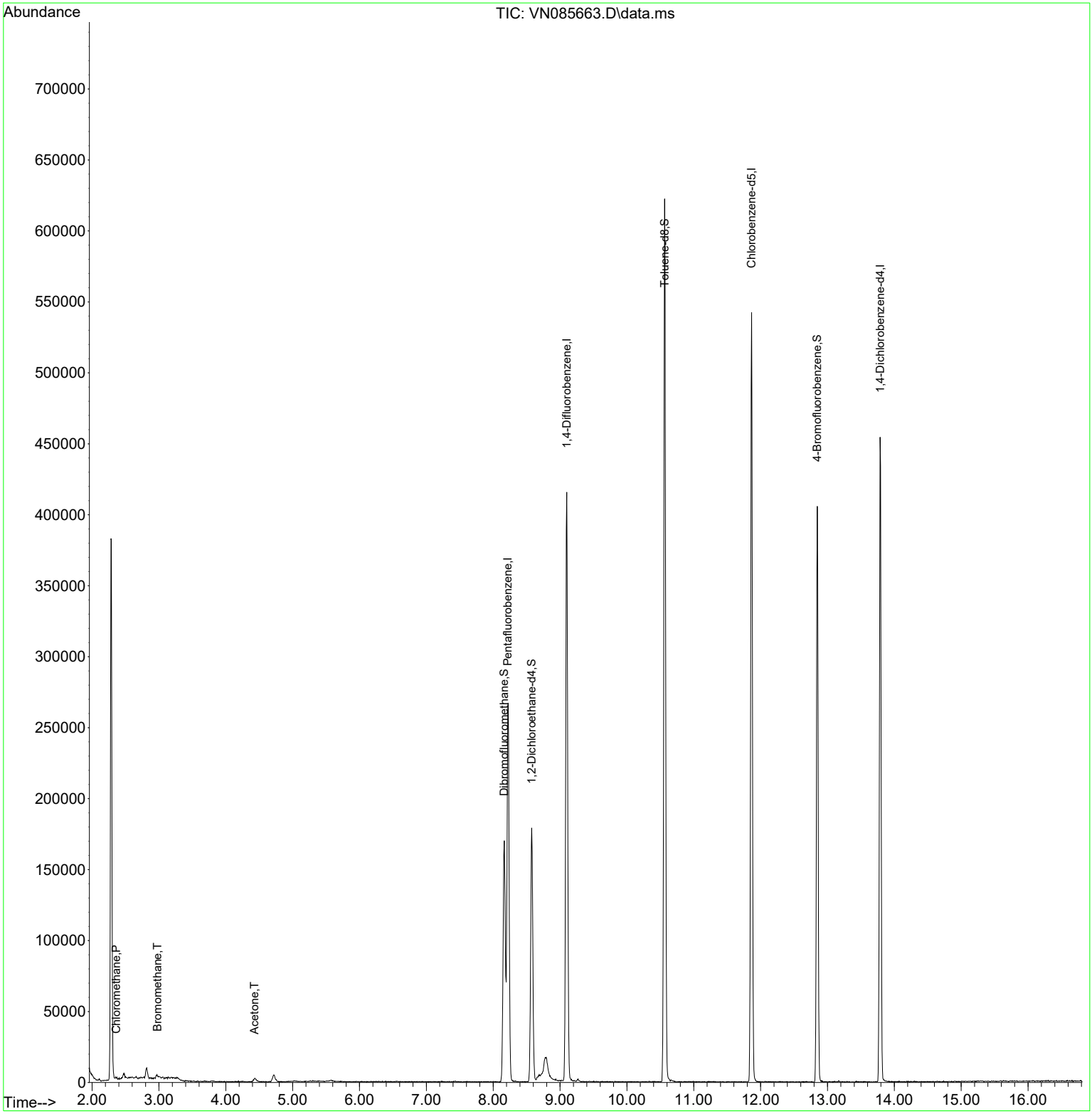
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	190893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	365251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	142302	46.181	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.360%		
35) Dibromofluoromethane	8.165	113	121491	47.945	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.900%		
50) Toluene-d8	10.565	98	436930	48.531	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.060%		
62) 4-Bromofluorobenzene	12.847	95	135360	43.952	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	87.900%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	947	0.338	ug/l #	76
5) Bromomethane	2.977	94	1575	0.927	ug/l	84
16) Acetone	4.430	43	5146	5.169	ug/l #	89

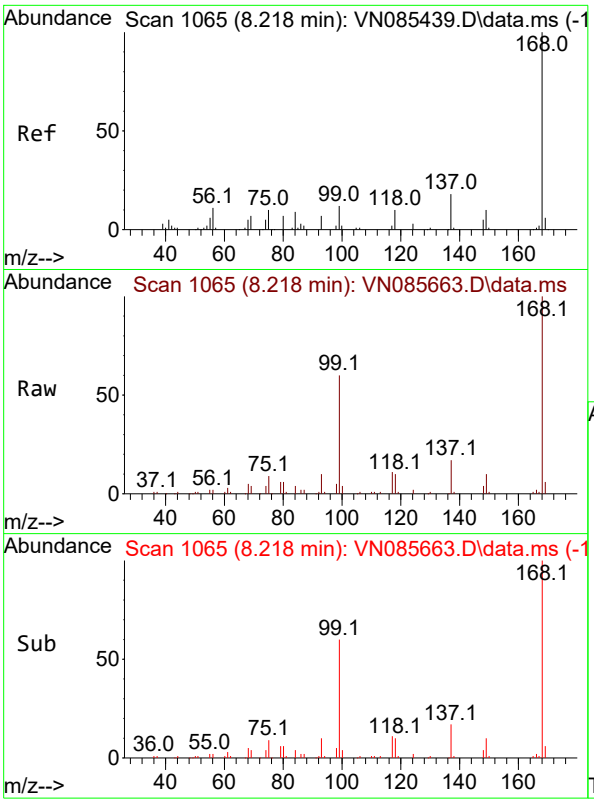
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085663.D
Acq On : 04 Feb 2025 19:51
Operator : JC\MD
Sample : Q1282-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SW-WTS-02

Quant Time: Feb 05 01:10:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



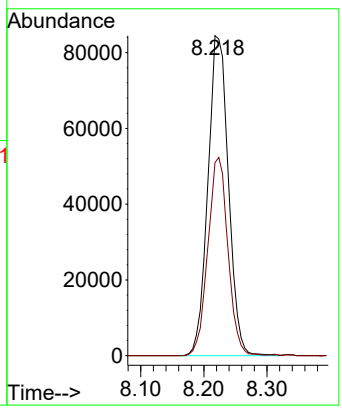


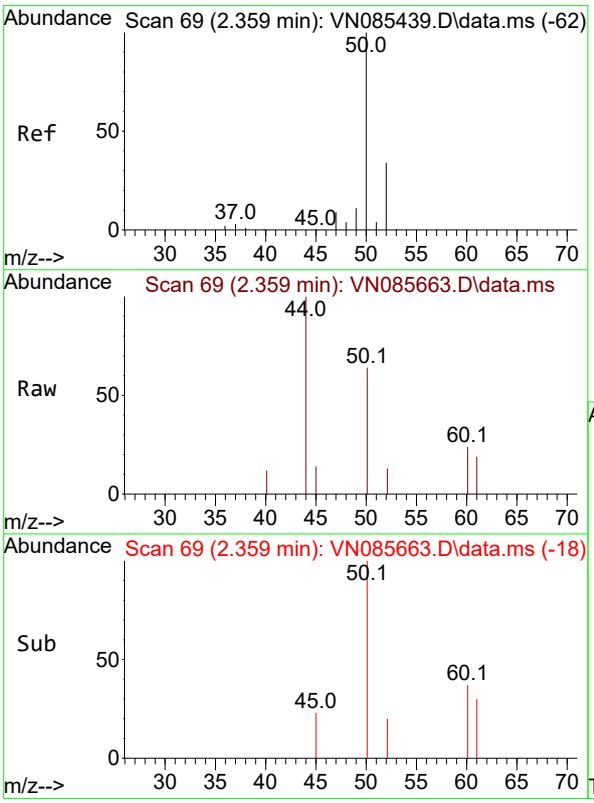
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085663.D
Acq: 04 Feb 2025 19:51

Instrument :
MSVOA_N
ClientSampleId :
SW-WTS-02

Tgt Ion:168 Resp: 190893

Ion	Ratio	Lower	Upper
168	100		
99	60.3	53.6	80.4

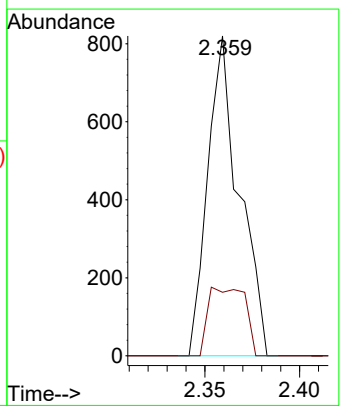


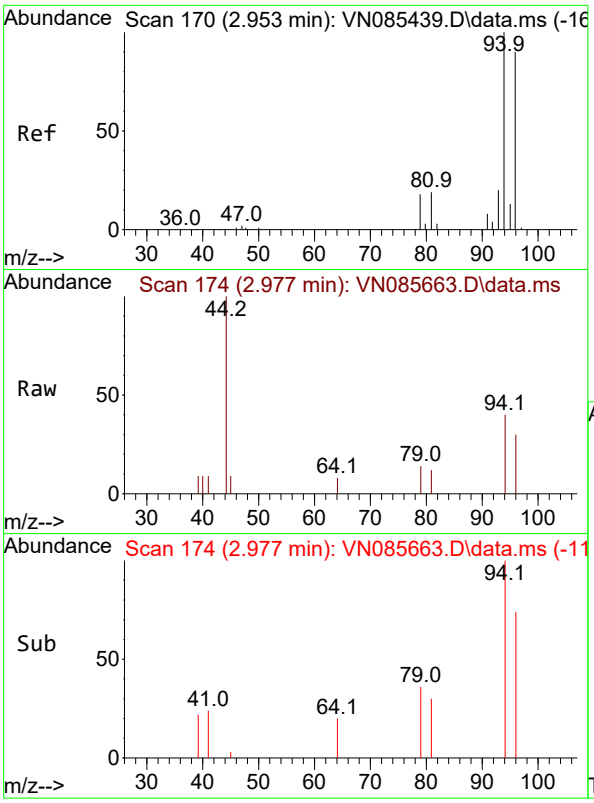


#3
Chloromethane
Concen: 0.338 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085663.D
Acq: 04 Feb 2025 19:51

Tgt Ion: 50 Resp: 947

Ion	Ratio	Lower	Upper
50	100		
52	19.9	27.0	40.6#



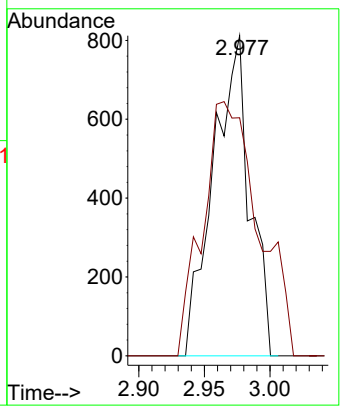


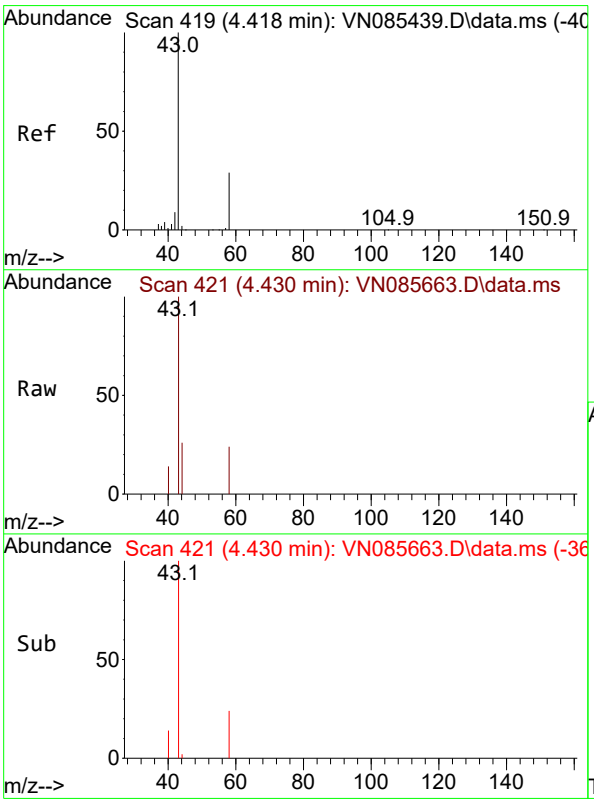
#5
Bromomethane
Concen: 0.927 ug/l
RT: 2.977 min Scan# 1
Delta R.T. 0.023 min
Lab File: VN085663.D
Acq: 04 Feb 2025 19:51

Instrument :
MSVOA_N
ClientSampleId :
SW-WTS-02

Tgt Ion: 94 Resp: 1575

Ion	Ratio	Lower	Upper
94	100		
96	74.4	71.8	107.6

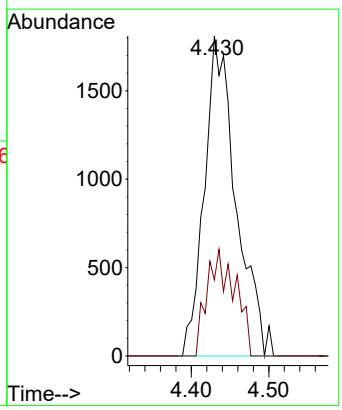


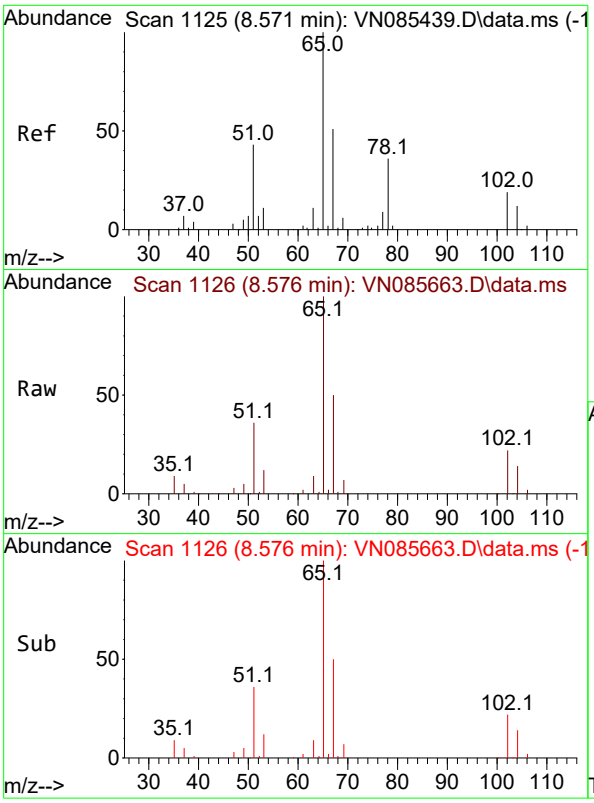


#16
Acetone
Concen: 5.169 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085663.D
Acq: 04 Feb 2025 19:51

Tgt Ion: 43 Resp: 5146

Ion	Ratio	Lower	Upper
43	100		
58	23.8	23.8	35.6#



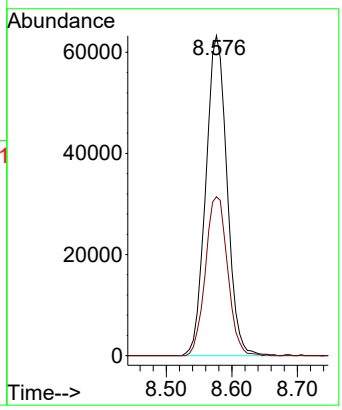


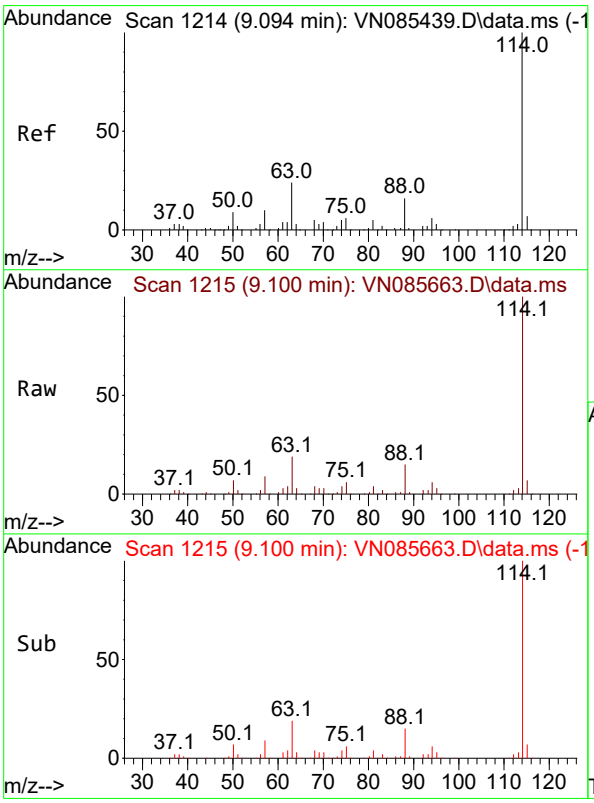
#33
1,2-Dichloroethane-d4
Concen: 46.181 ug/l
RT: 8.576 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085663.D
Acq: 04 Feb 2025 19:51

Instrument :
MSVOA_N
ClientSampleId :
SW-WTS-02

Tgt Ion: 65 Resp: 142302

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	101.6

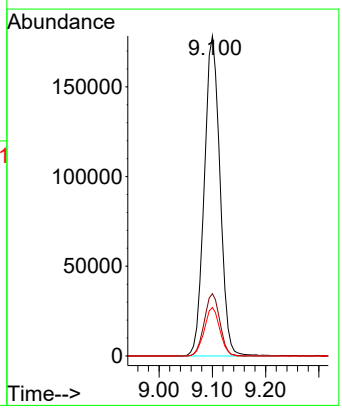


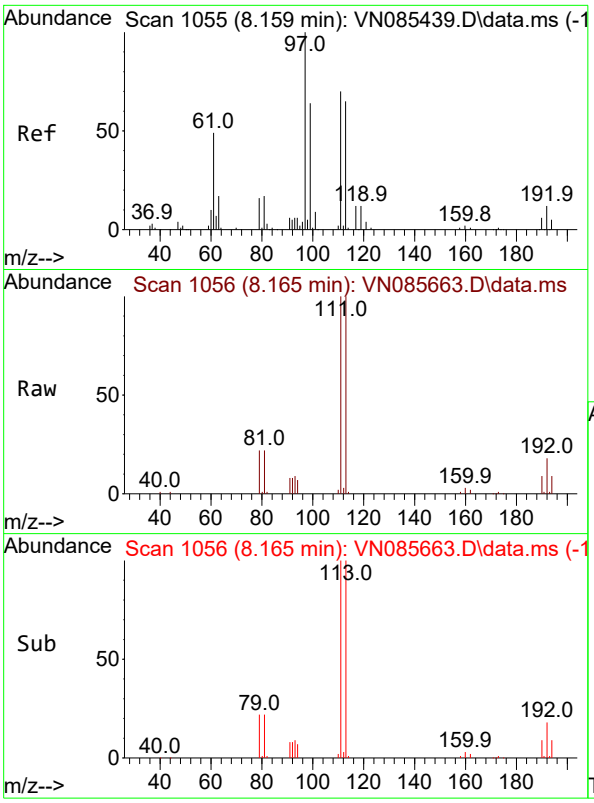


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085663.D
Acq: 04 Feb 2025 19:51

Tgt Ion:114 Resp: 365251

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	47.6
88	15.2	0.0	32.6



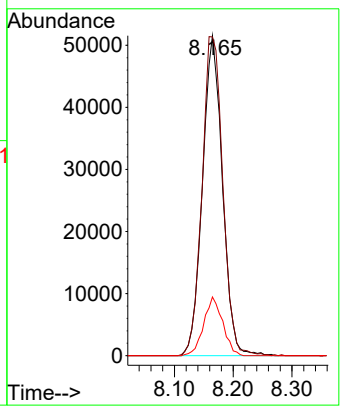


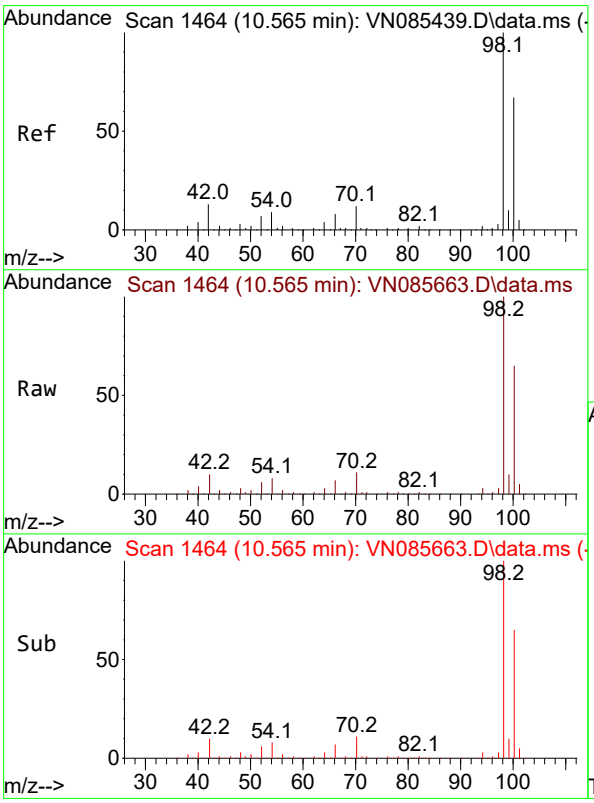
#35
Dibromofluoromethane
Concen: 47.945 ug/l
RT: 8.165 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085663.D
Acq: 04 Feb 2025 19:51

Instrument :
MSVOA_N
ClientSampleId :
SW-WTS-02

Tgt Ion:113 Resp: 121491

Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.7	124.1
192	17.6	14.3	21.5

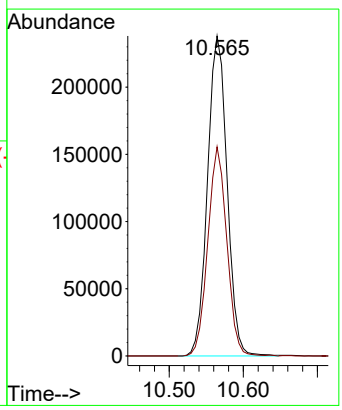


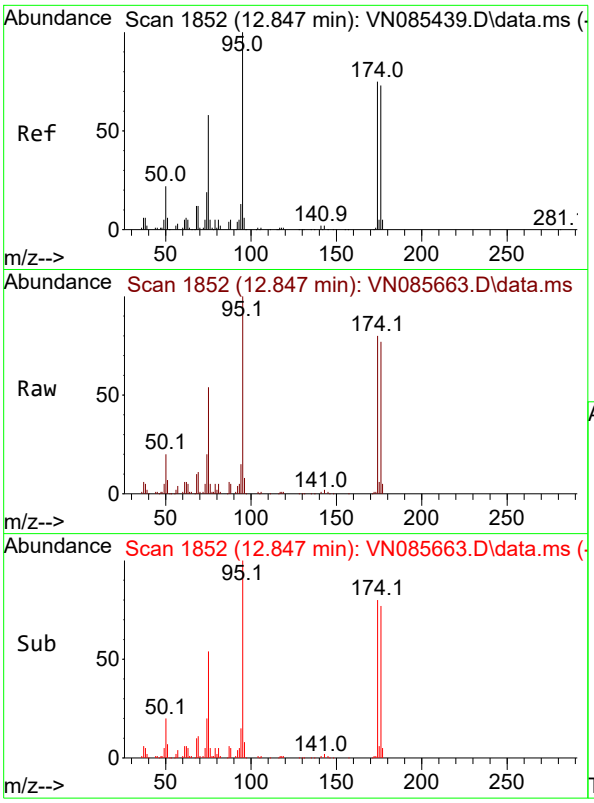


#50
Toluene-d8
Concen: 48.531 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085663.D
Acq: 04 Feb 2025 19:51

Tgt Ion: 98 Resp: 436930

Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.2	78.4



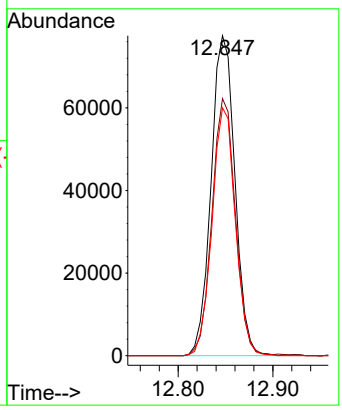


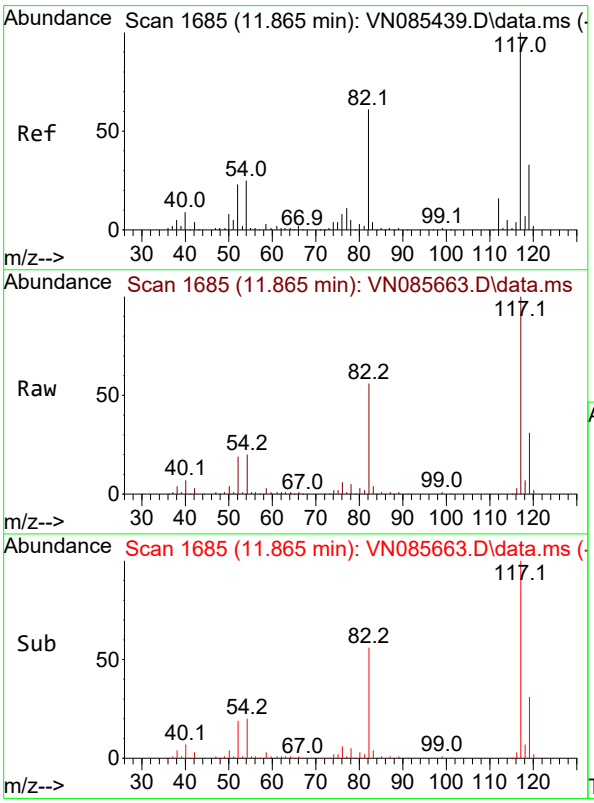
#62
4-Bromofluorobenzene
Concen: 43.952 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085663.D
Acq: 04 Feb 2025 19:51

Instrument :
MSVOA_N
ClientSampleId :
SW-WTS-02

Tgt Ion: 95 Resp: 135360

Ion	Ratio	Lower	Upper
95	100		
174	79.3	0.0	145.0
176	75.8	0.0	142.4

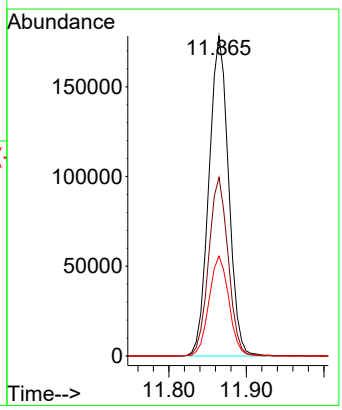


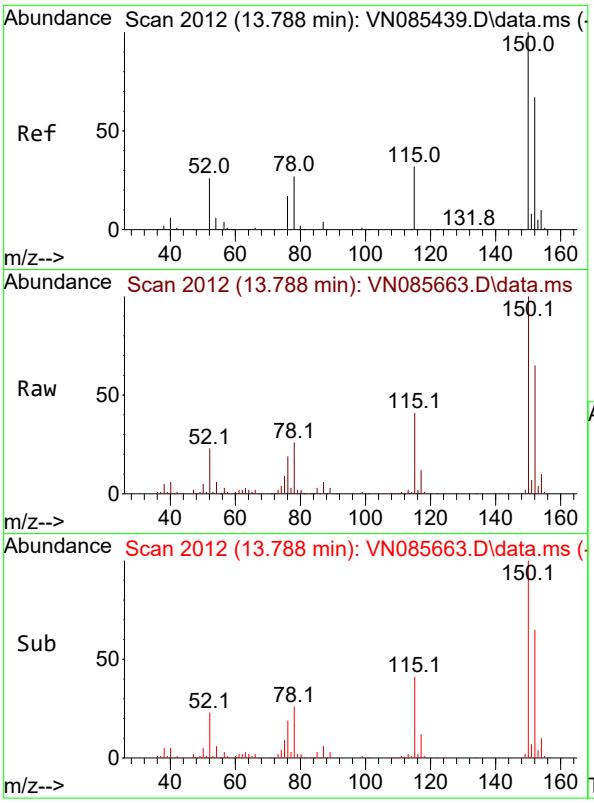


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085663.D
Acq: 04 Feb 2025 19:51

Tgt Ion:117 Resp: 313691

Ion	Ratio	Lower	Upper
117	100		
82	55.8	48.6	72.8
119	31.2	26.6	39.8



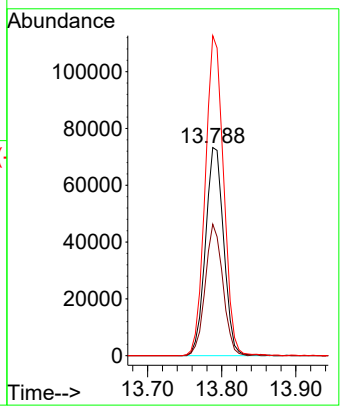


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN085663.D
Acq: 04 Feb 2025 19:51

Instrument :
MSVOA_N
ClientSampleId :
SW-WTS-02

Tgt Ion:152 Resp: 125407

Ion	Ratio	Lower	Upper
152	100		
115	60.9	31.1	93.3
150	154.3	0.0	343.6



CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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.: Q1282 SAS No.: Q1282 SDG No.: Q1282

Instrument ID: MSVOA_N Calibration Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19

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

LAB FILE ID: RRF100 = VN085438.D RRF050 = VN085439.D RRF020 = VN085440.D
RRF010 = VN085441.D RRF005 = VN085442.D RRF001 = VN085443.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Methyl tert-butyl Ether	1.834	1.873	1.853	1.664	1.685	1.545	1.742	7.5
Carbon Tetrachloride	0.574	0.530	0.579	0.529	0.565	0.567	0.557	4
Chloroform	1.197	1.175	1.241	1.169	1.253	1.273	1.218	3.6
1,1,1-Trichloroethane	1.053	1.016	1.091	1.000	1.148	1.102	1.068	5.2
Benzene	1.551	1.449	1.527	1.376	1.474	1.400	1.463	4.7
Toluene	0.964	0.870	0.919	0.808	0.835	0.690	0.848	11.3
Tetrachloroethene	0.351	0.322	0.365	0.338	0.346	0.323	0.341	4.9
Ethyl Benzene	2.072	1.867	1.940	1.685	1.709	1.430	1.784	12.7
m/p-Xylenes	0.775	0.707	0.750	0.615	0.616	0.492	0.659	16
o-Xylene	0.738	0.681	0.713	0.584	0.582	0.482	0.630	15.5
1,2-Dichloroethane-d4	0.774	0.831	0.754	0.762	0.914		0.807	8.3
Dibromofluoromethane	0.359	0.358	0.335	0.310	0.373		0.347	7.1
Toluene-d8	1.339	1.267	1.207	1.076	1.274		1.232	8.1
4-Bromofluorobenzene	0.475	0.449	0.410	0.357	0.417		0.422	10.6

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

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N011425W.M
Title : SW846 8260
Last Update : Wed Jan 15 02:16:08 2025
Response Via : Initial Calibration

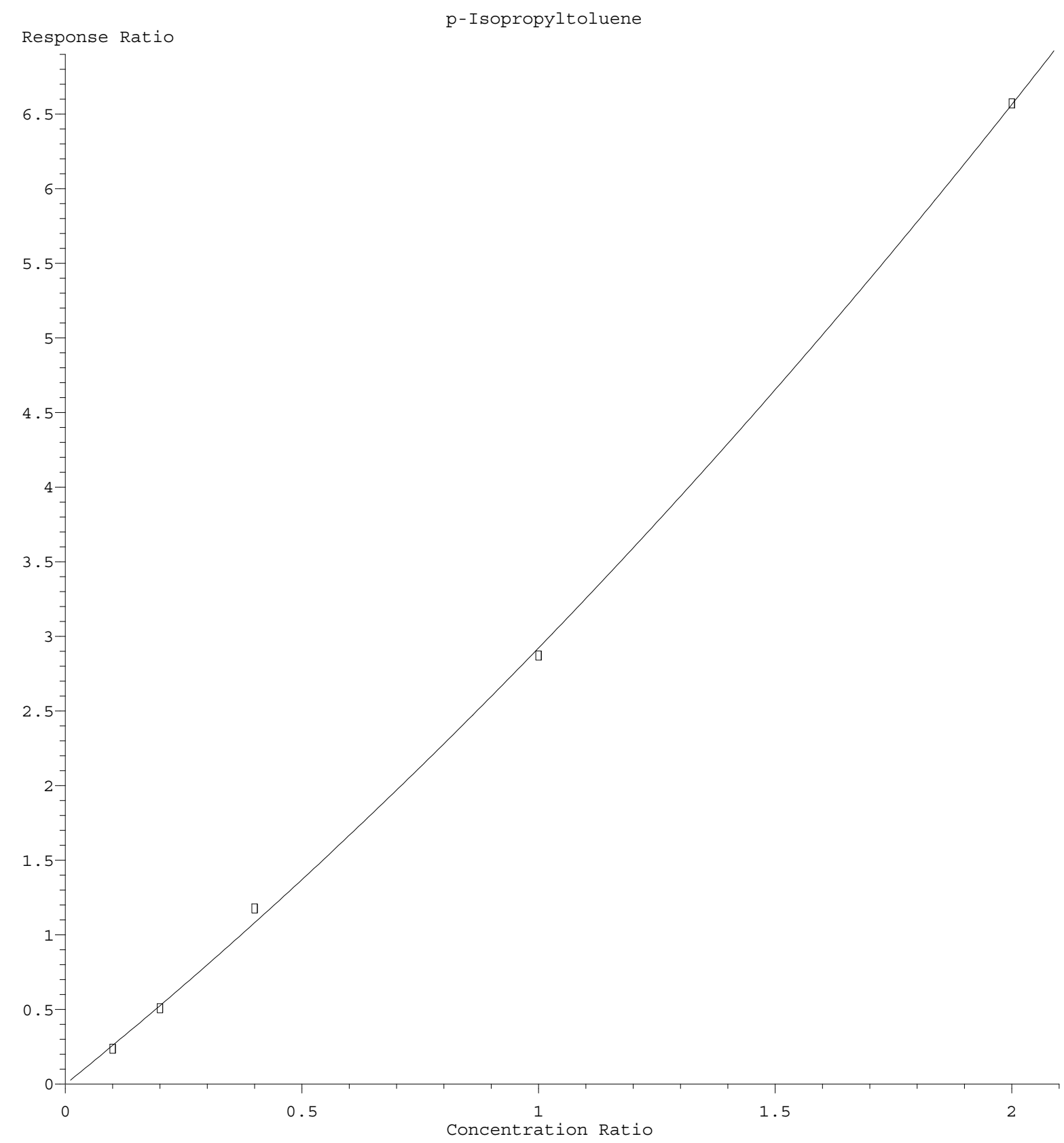
Calibration Files
1 =VN085443.D 5 =VN085442.D 10 =VN085441.D 20 =VN085440.D 50 =VN085439.D 100 =VN085438.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.714	0.708	0.667	0.681	0.629	0.664	0.677	4.59
3)	P	Chloromethane	0.839	0.779	0.693	0.727	0.680	0.680	0.733	8.77
4)	C	Vinyl Chloride	0.819	0.781	0.711	0.727	0.686	0.697	0.737	7.06#
5)	T	Bromomethane		0.525	0.437	0.454	0.417	0.392	0.445	11.26
6)	T	Chloroethane	0.542	0.505	0.429	0.468	0.424	0.435	0.467	10.27
7)	T	Trichlorofluor...	1.157	1.077	1.040	1.097	0.997	1.046	1.069	5.14
8)	T	Diethyl Ether	0.457	0.357	0.317	0.363	0.360	0.362	0.369	12.59
9)	T	1,1,2-Trichlor...	0.646	0.639	0.587	0.609	0.542	0.590	0.602	6.35
10)	T	Methyl Iodide		0.661	0.640	0.704	0.719	0.723	0.690	5.35
11)	T	Tert butyl alc...		0.097	0.092	0.095	0.093	0.085	0.092	4.80
12)	CM	1,1-Dichloroet...	0.497	0.559	0.526	0.556	0.533	0.548	0.537	4.31#
13)	T	Acrolein		0.101	0.131	0.124	0.140	0.136	0.126	12.09
14)	T	Allyl chloride	0.952	0.897	0.823	0.843	0.846	0.863	0.871	5.42
15)	T	Acrylonitrile	0.298	0.299	0.275	0.303	0.298	0.289	0.294	3.39
16)	T	Acetone	0.306	0.269	0.247	0.252	0.252	0.238	0.261	9.28
17)	T	Carbon Disulfide	1.978	1.719	1.537	1.647	1.477	1.555	1.652	10.95
18)	T	Methyl Acetate	0.871	0.810	0.779	0.758	0.790	0.751	0.793	5.54
19)	T	Methyl tert-bu...	1.545	1.685	1.664	1.853	1.873	1.834	1.742	7.53
20)	T	Methylene Chlo...	0.656	0.696	0.606	0.658	0.629	0.629	0.646	4.86
21)	T	trans-1,2-Dich...	0.632	0.569	0.539	0.574	0.555	0.571	0.573	5.50
22)	T	Diisopropyl ether	1.705	1.918	1.834	2.076	2.037	2.026	1.933	7.38
23)	T	Vinyl Acetate	1.110	1.270	1.279	1.466	1.495	1.495	1.353	11.67
24)	P	1,1-Dichloroet...	1.204	1.226	1.100	1.206	1.170	1.164	1.178	3.81
25)	T	2-Butanone	0.386	0.387	0.363	0.398	0.390	0.378	0.384	3.12
26)	T	2,2-Dichloropr...	0.930	0.986	0.922	0.985	0.936	0.958	0.953	2.96
27)	T	cis-1,2-Dichlo...	0.655	0.669	0.639	0.715	0.683	0.691	0.675	4.02
28)	T	Bromochloromet...	0.624	0.595	0.486	0.513	0.542	0.530	0.548	9.44
29)	T	Tetrahydrofuran	0.221	0.236	0.233	0.261	0.260	0.248	0.243	6.58
30)	C	Chloroform	1.273	1.253	1.169	1.241	1.175	1.197	1.218	3.59#
31)	T	Cyclohexane		1.198	1.026	1.033	0.881	0.984	1.024	11.18
32)	T	1,1,1-Trichlor...	1.102	1.148	1.000	1.091	1.016	1.053	1.068	5.24
33)	S	1,2-Dichloroet...		0.914	0.762	0.754	0.831	0.774	0.807	8.28
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.373	0.310	0.335	0.358	0.359	0.347	7.10
36)	T	1,1-Dichloropr...	0.509	0.490	0.441	0.499	0.462	0.521	0.487	6.17
37)	T	Ethyl Acetate	0.504	0.520	0.452	0.488	0.488	0.496	0.491	4.66
38)	T	Carbon Tetrach...	0.567	0.565	0.529	0.579	0.530	0.574	0.557	3.96
39)	T	Methylcyclohexane	0.397	0.437	0.407	0.477	0.463	0.564	0.457	13.29
40)	TM	Benzene	1.400	1.474	1.376	1.527	1.449	1.551	1.463	4.70
41)	T	Methacrylonitrile	0.241	0.227	0.248	0.268	0.270	0.280	0.256	7.89
42)	TM	1,2-Dichloroet...	0.517	0.574	0.522	0.575	0.547	0.569	0.551	4.78
43)	T	Isopropyl Acetate	0.793	0.764	0.719	0.801	0.813	0.835	0.787	5.20
44)	TM	Trichloroethene	0.352	0.343	0.310	0.352	0.324	0.362	0.341	5.79
45)	C	1,2-Dichloropr...	0.371	0.388	0.334	0.388	0.371	0.390	0.374	5.69#
46)	T	Dibromomethane	0.292	0.254	0.254	0.277	0.267	0.275	0.270	5.50
47)	T	Bromodichlorom...	0.484	0.569	0.514	0.579	0.559	0.590	0.549	7.48
48)	T	Methyl methacr...	0.311	0.326	0.321	0.369	0.392	0.406	0.354	11.37
49)	T	1,4-Dioxane	0.006	0.006	0.006	0.006	0.006	0.006	0.006	6.72
50)	S	Toluene-d8		1.274	1.076	1.207	1.267	1.339	1.232	8.07
51)	T	4-Methyl-2-Pen...	0.380	0.443	0.432	0.495	0.492	0.499	0.457	10.33
52)	CM	Toluene	0.690	0.835	0.808	0.919	0.870	0.964	0.848	11.27#
53)	T	t-1,3-Dichloro...	0.416	0.527	0.481	0.544	0.551	0.594	0.519	11.98
54)	T	cis-1,3-Dichlo...	0.450	0.538	0.527	0.601	0.588	0.623	0.554	11.40
55)	T	1,1,2-Trichlor...	0.314	0.349	0.309	0.353	0.340	0.348	0.335	5.67

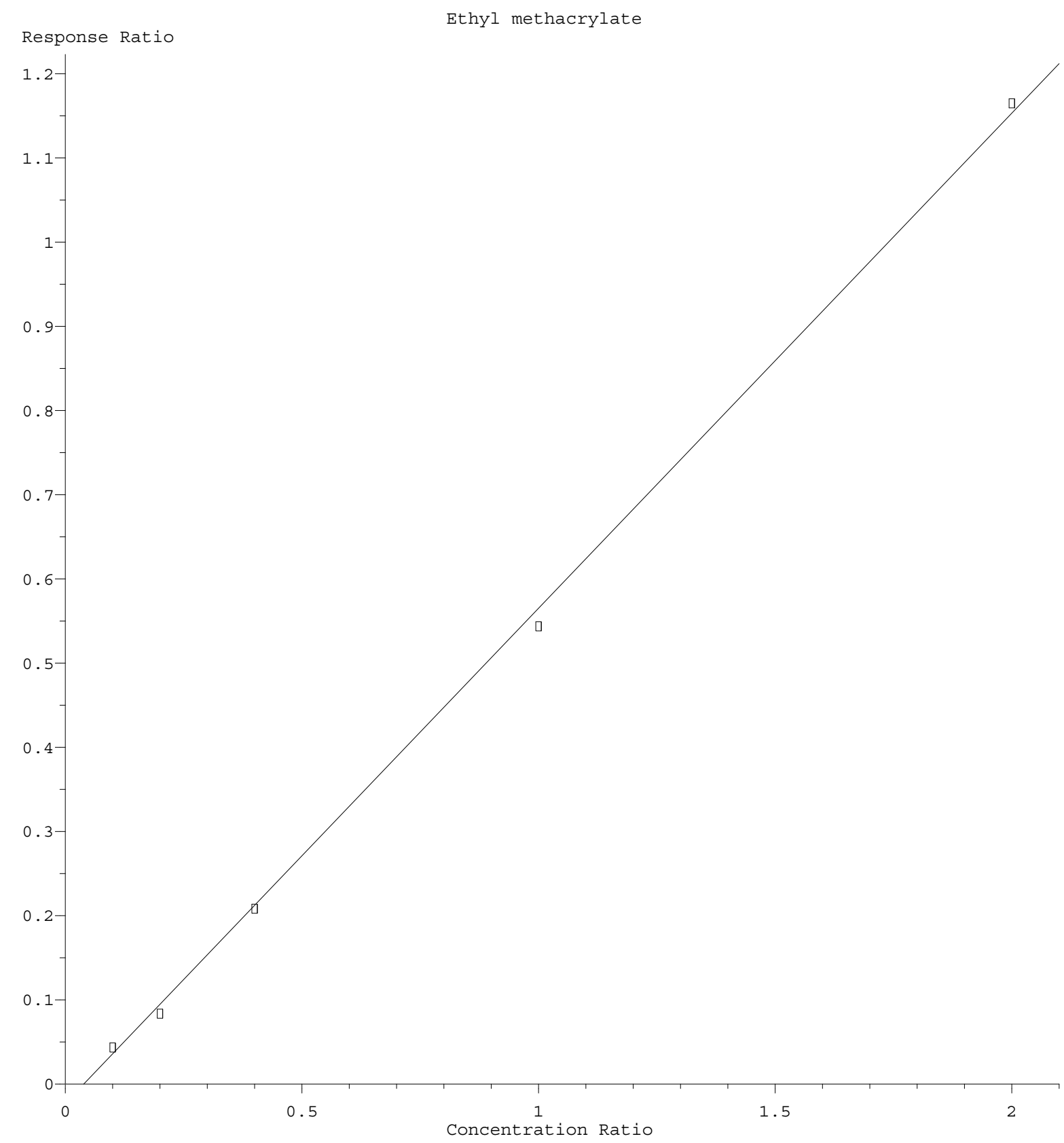
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N011425W.M

56)	T	Ethyl methacry...	0.317	0.434	0.418	0.521	0.544	0.582	0.469	20.85
57)	T	1,3-Dichloropr...	0.514	0.584	0.555	0.618	0.602	0.627	0.583	7.31
58)	T	2-Chloroethyl ...	0.163	0.205	0.185	0.226	0.241	0.258	0.213	16.67
59)	T	2-Hexanone	0.261	0.302	0.298	0.353	0.357	0.358	0.321	12.60
60)	T	Dibromochlorom...	0.386	0.420	0.368	0.412	0.414	0.430	0.405	5.79
61)	T	1,2-Dibromoethane	0.334	0.321	0.309	0.356	0.334	0.349	0.334	5.16
62)	S	4-Bromofluorob...		0.417	0.357	0.410	0.449	0.475	0.422	10.57
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.323	0.346	0.338	0.365	0.322	0.351	0.341	4.87
65)	PM	Chlorobenzene	1.051	1.110	1.047	1.154	1.076	1.133	1.095	4.03
66)	T	1,1,1,2-Tetrac...	0.425	0.412	0.371	0.408	0.392	0.404	0.402	4.65
67)	C	Ethyl Benzene	1.430	1.709	1.685	1.940	1.867	2.072	1.784	12.67#
68)	T	m/p-Xylenes	0.492	0.616	0.615	0.750	0.707	0.775	0.659	16.01
69)	T	o-Xylene	0.482	0.582	0.584	0.713	0.681	0.738	0.630	15.47
70)	T	Styrene	0.742	0.929	0.956	1.186	1.173	1.271	1.043	19.21
71)	P	Bromoform	0.235	0.284	0.273	0.312	0.311	0.311	0.288	10.61
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.766	3.157	3.272	3.681	3.448	3.922	3.375	12.06
74)	T	N-amyl acetate	1.364	1.394	1.405	1.642	1.622	1.673	1.517	9.43
75)	P	1,1,2,2-Tetrac...	1.314	1.228	1.157	1.187	1.145	1.121	1.192	5.89
76)	T	1,2,3-Trichlor...	1.104	0.965	0.957	1.118	0.893	1.061	1.016	8.96
77)	T	Bromobenzene	0.871	0.880	0.857	0.906	0.858	0.919	0.882	2.90
78)	T	n-propylbenzene	3.227	3.605	3.846	4.400	4.154	4.738	3.995	13.74
79)	T	2-Chlorotoluene	2.252	2.533	2.571	2.761	2.585	2.812	2.586	7.67
80)	T	1,3,5-Trimethy...	2.160	2.529	2.695	3.140	2.940	3.260	2.787	14.69
81)	T	trans-1,4-Dich...		0.335	0.347	0.386	0.390	0.419	0.376	9.04
82)	T	4-Chlorotoluene	2.144	2.536	2.512	2.820	2.588	2.847	2.574	9.91
83)	T	tert-Butylbenzene	1.885	2.189	2.236	2.570	2.439	2.726	2.341	12.85
84)	T	1,2,4-Trimethy...	1.888	2.542	2.710	3.190	3.016	3.323	2.778	18.89
85)	T	sec-Butylbenzene	2.318	3.026	3.147	3.643	3.421	3.912	3.244	17.17
86)	T	p-Isopropyltol...	1.777	2.368	2.541	2.942	2.872	3.286	2.631	20.04
87)	T	1,3-Dichlorobe...	1.526	1.656	1.574	1.701	1.565	1.720	1.624	4.91
88)	T	1,4-Dichlorobe...	1.767	1.743	1.607	1.713	1.562	1.706	1.683	4.78
89)	T	n-Butylbenzene	1.772	2.176	2.168	2.485	2.483	2.881	2.327	16.22
90)	T	Hexachloroethane	0.681	0.616	0.574	0.613	0.577	0.645	0.618	6.59
91)	T	1,2-Dichlorobe...	1.766	1.600	1.532	1.654	1.555	1.611	1.620	5.15
92)	T	1,2-Dibromo-3-...	0.202	0.228	0.212	0.224	0.222	0.218	0.218	4.31
93)	T	1,2,4-Trichlor...	0.658	0.717	0.704	0.799	0.781	0.858	0.753	9.69
94)	T	Hexachlorobuta...	0.413	0.441	0.395	0.396	0.367	0.386	0.400	6.31
95)	T	Naphthalene	2.115	1.987	1.958	2.348	2.482	2.588	2.246	11.79
96)	T	1,2,3-Trichlor...	0.750	0.693	0.732	0.792	0.786	0.817	0.762	5.96

(#) = Out of Range



R = 3.594e-001 A*A + 2.563e+000 A - 1.210e-003
Coef of Det (r^2) = 0.999599 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N011425W.M
Calibration Table Last Updated: Wed Jan 15 02:16:08 2025



Response = 5.877e-001 * Amt - 2.270e-002
Coef of Det (r^2) = 0.998904 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N011425W.M
Calibration Table Last Updated: Wed Jan 15 02:16:08 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	202613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	329363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	298938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	313645	95.899	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 191.800%#			
35) Dibromofluoromethane	8.159	113	236159	103.353	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 206.700%#			
50) Toluene-d8	10.565	98	881956	108.636	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 217.280%#			
62) 4-Bromofluorobenzene	12.847	95	313161	112.765	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 225.520%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	269023	98.065	ug/l	99
3) Chloromethane	2.359	50	275415	92.724	ug/l	98
4) Vinyl Chloride	2.512	62	282361	94.576	ug/l	99
5) Bromomethane	2.942	94	158888	88.105	ug/l	98
6) Chloroethane	3.112	64	176111	93.043	ug/l	99
7) Trichlorofluoromethane	3.494	101	423967	97.870	ug/l	100
8) Diethyl Ether	3.953	74	146889	98.154	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	239104	97.997	ug/l	99
10) Methyl Iodide	4.589	142	292983	104.856	ug/l	95
11) Tert butyl alcohol	5.512	59	173044	462.061	ug/l	99
12) 1,1-Dichloroethene	4.336	96	222117	102.146	ug/l	99
13) Acrolein	4.171	56	275350	538.600	ug/l	99
14) Allyl chloride	5.018	41	349717	99.111	ug/l	98
15) Acrylonitrile	5.712	53	585370	492.095	ug/l	99
16) Acetone	4.418	43	483221	457.268	ug/l	96
17) Carbon Disulfide	4.712	76	630294	94.140	ug/l	100
18) Methyl Acetate	5.012	43	304226	94.674	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	743008	105.230	ug/l	100
20) Methylene Chloride	5.271	84	254912	97.440	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	231503	99.618	ug/l	97
22) Diisopropyl ether	6.665	45	820871	104.812	ug/l	99
23) Vinyl Acetate	6.594	43	3029568	550.850	ug/l	99
24) 1,1-Dichloroethane	6.565	63	471831	98.803	ug/l	99
25) 2-Butanone	7.477	43	764979	491.912	ug/l	98
26) 2,2-Dichloropropane	7.482	77	388140	100.530	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	280197	102.367	ug/l	99
28) Bromochloromethane	7.806	49	214796	96.679	ug/l	100
29) Tetrahydrofuran	7.830	42	503459	510.635	ug/l	99
30) Chloroform	7.959	83	484941	98.253	ug/l	100
31) Cyclohexane	8.253	56	398641	96.041	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	426782	98.578	ug/l	98
36) 1,1-Dichloropropene	8.365	75	342961	106.945	ug/l	100
37) Ethyl Acetate	7.553	43	326802	100.961	ug/l	97
38) Carbon Tetrachloride	8.359	117	378390	103.065	ug/l	97
39) Methylcyclohexane	9.594	83	371734	123.354	ug/l	99
40) Benzene	8.600	78	1021393	106.001	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	184326	109.454 ug/l		96
42) 1,2-Dichloroethane	8.665	62	374938	103.314 ug/l		100
43) Isopropyl Acetate	8.682	43	549969	106.035 ug/l		100
44) Trichloroethene	9.347	130	238296	106.242 ug/l		96
45) 1,2-Dichloropropane	9.618	63	256964	104.405 ug/l		97
46) Dibromomethane	9.706	93	180990	101.913 ug/l		99
47) Bromodichloromethane	9.882	83	388499	107.377 ug/l		98
48) Methyl methacrylate	9.676	41	267689	114.685 ug/l		99
49) 1,4-Dioxane	9.688	88	83879	2133.992 ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	1643800	546.159 ug/l		100
52) Toluene	10.623	92	634743	113.689 ug/l		99
53) t-1,3-Dichloropropene	10.829	75	391238	114.424 ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	410403	112.369 ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	229522	103.879 ug/l		98
56) Ethyl methacrylate	10.870	69	383663	101.029 ug/l		99
57) 1,3-Dichloropropane	11.159	76	412886	107.469 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	848636	605.243 ug/l		100
59) 2-Hexanone	11.194	43	1178831	556.643 ug/l		99
60) Dibromochloromethane	11.353	129	283361	106.227 ug/l		99
61) 1,2-Dibromoethane	11.465	107	230104	104.623 ug/l		98
64) Tetrachloroethene	11.100	164	209870	102.980 ug/l		98
65) Chlorobenzene	11.888	112	677679	103.482 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	241593	100.517 ug/l		99
67) Ethyl Benzene	11.959	91	1239080	116.169 ug/l		99
68) m/p-Xylenes	12.070	106	927244	235.219 ug/l		99
69) o-Xylene	12.394	106	441279	117.135 ug/l		100
70) Styrene	12.406	104	760136	121.919 ug/l		99
71) Bromoform	12.576	173	186124	108.227 ug/l	#	99
73) Isopropylbenzene	12.694	105	1146752	116.221 ug/l		100
74) N-amyl acetate	12.488	43	489217	110.308 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	327767	94.039 ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	310115m	104.530 ug/l		
77) Bromobenzene	12.976	156	268616	104.200 ug/l		97
78) n-propylbenzene	13.029	91	1385353	118.600 ug/l		100
79) 2-Chlorotoluene	13.123	91	822258	108.767 ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	953066	116.938 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	122508	111.544 ug/l		87
82) 4-Chlorotoluene	13.217	91	832317	110.574 ug/l		99
83) tert-Butylbenzene	13.435	119	797069	116.457 ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	971729	119.625 ug/l		100
85) sec-Butylbenzene	13.611	105	1143885	120.587 ug/l		100
86) p-Isopropyltoluene	13.723	119	960747	100.111 ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	502960	105.943 ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	498709	101.341 ug/l		97
89) n-Butylbenzene	14.053	91	842368	123.781 ug/l		98
90) Hexachloroethane	14.329	117	188541	104.405 ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	470919	99.445 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	63846	100.313 ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	250787	113.946 ug/l		99
94) Hexachlorobutadiene	15.500	225	112899	96.619 ug/l		99
95) Naphthalene	15.635	128	756816	115.234 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	238860	107.256 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
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 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

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

ICAL Form

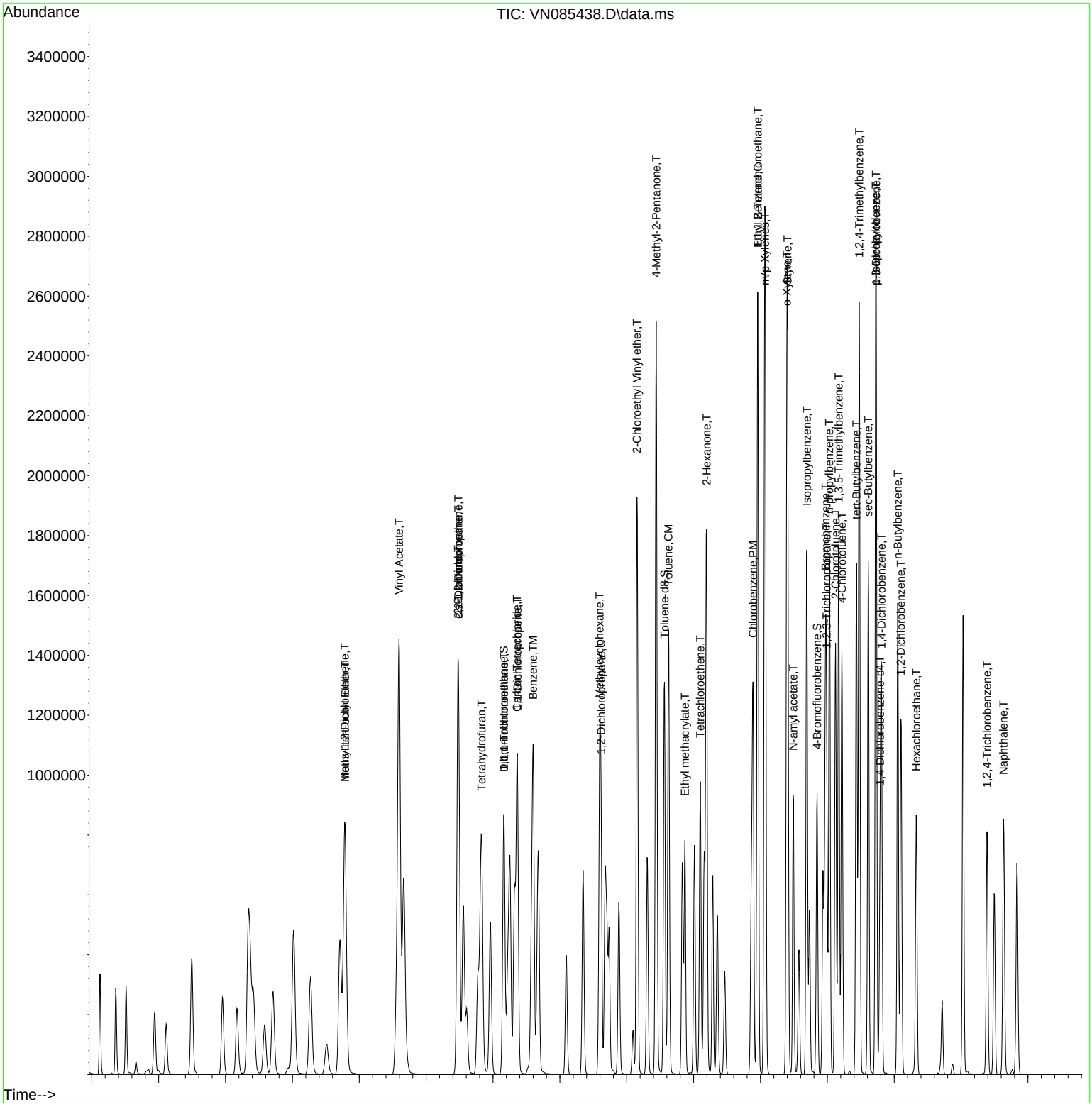
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085438.D
Acq On : 14 Jan 2025 14:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 15 01:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	199403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	339872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	165768	51.500	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.000%			
35) Dibromofluoromethane	8.159	113	121554	51.552	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.100%			
50) Toluene-d8	10.565	98	430698	51.411	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.820%			
62) 4-Bromofluorobenzene	12.847	95	152568	53.239	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	125504	46.486	ug/l	100
3) Chloromethane	2.359	50	135631	46.398	ug/l	100
4) Vinyl Chloride	2.512	62	136831	46.569	ug/l	100
5) Bromomethane	2.953	94	83199	46.877	ug/l	100
6) Chloroethane	3.118	64	84517	45.371	ug/l	100
7) Trichlorofluoromethane	3.501	101	198726	46.613	ug/l	100
8) Diethyl Ether	3.953	74	71764	48.726	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	108081	45.010	ug/l	100
10) Methyl Iodide	4.589	142	143383	52.142	ug/l	100
11) Tert butyl alcohol	5.512	59	92841	251.894	ug/l	100
12) 1,1-Dichloroethene	4.342	96	106247	49.647	ug/l	100
13) Acrolein	4.171	56	139234	276.734	ug/l	100
14) Allyl chloride	5.018	41	168654	48.567	ug/l	100
15) Acrylonitrile	5.712	53	296781	253.507	ug/l	100
16) Acetone	4.418	43	251271	241.603	ug/l	100
17) Carbon Disulfide	4.706	76	294604	44.710	ug/l	100
18) Methyl Acetate	5.018	43	157485	49.798	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	373561	53.758	ug/l	100
20) Methylene Chloride	5.271	84	125508	48.748	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	110684	48.395	ug/l	100
22) Diisopropyl ether	6.665	45	406253	52.707	ug/l	100
23) Vinyl Acetate	6.594	43	1491031	275.471	ug/l	100
24) 1,1-Dichloroethane	6.565	63	233336	49.648	ug/l	100
25) 2-Butanone	7.477	43	388457	253.815	ug/l	100
26) 2,2-Dichloropropane	7.483	77	186591	49.106	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	136229	50.571	ug/l	100
28) Bromochloromethane	7.806	49	108148	49.461	ug/l	100
29) Tetrahydrofuran	7.830	42	259683	267.624	ug/l	100
30) Chloroform	7.959	83	234271	48.229	ug/l	100
31) Cyclohexane	8.253	56	175588	42.984	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	202590	47.547	ug/l	100
36) 1,1-Dichloropropene	8.365	75	157031	47.453	ug/l	100
37) Ethyl Acetate	7.553	43	165866	49.658	ug/l	100
38) Carbon Tetrachloride	8.359	117	180199	47.564	ug/l	100
39) Methylcyclohexane	9.600	83	157234	50.562	ug/l	100
40) Benzene	8.600	78	492606	49.542	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	91711	52.775	ug/l		100
42) 1,2-Dichloroethane	8.665	62	186065	49.685	ug/l		100
43) Isopropyl Acetate	8.683	43	276228	51.611	ug/l		100
44) Trichloroethene	9.347	130	109953	47.506	ug/l		100
45) 1,2-Dichloropropane	9.618	63	126084	49.644	ug/l		100
46) Dibromomethane	9.706	93	90670	49.476	ug/l		100
47) Bromodichloromethane	9.882	83	189915	50.867	ug/l		100
48) Methyl methacrylate	9.677	41	133399	55.385	ug/l		100
49) 1,4-Dioxane	9.688	88	43048	1061.334	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	836707	269.403	ug/l		100
52) Toluene	10.624	92	295792	51.341	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	187439	53.125	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	199771	53.006	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	115462	50.641	ug/l		100
56) Ethyl methacrylate	10.871	69	184775	48.182	ug/l		100
57) 1,3-Dichloropropane	11.159	76	204590	51.606	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	409594	283.088	ug/l		100
59) 2-Hexanone	11.188	43	606740	277.643	ug/l		100
60) Dibromochloromethane	11.353	129	140704	51.116	ug/l		100
61) 1,2-Dibromoethane	11.465	107	113541	50.028	ug/l		100
64) Tetrachloroethene	11.100	164	95879	47.295	ug/l		100
65) Chlorobenzene	11.888	112	319992	49.121	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	116488	48.722	ug/l		100
67) Ethyl Benzene	11.959	91	555322	52.339	ug/l		100
68) m/p-Xylenes	12.065	106	420702	107.286	ug/l		100
69) o-Xylene	12.394	106	202597	54.062	ug/l		100
70) Styrene	12.406	104	348720	56.227	ug/l		100
71) Bromoform	12.576	173	92366	53.993	ug/l	#	100
73) Isopropylbenzene	12.688	105	505619	51.094	ug/l		100
74) N-amyl acetate	12.488	43	237870	53.478	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	167856	48.019	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	130866m	43.982	ug/l		
77) Bromobenzene	12.976	156	125800	48.657	ug/l		100
78) n-propylbenzene	13.029	91	609022	51.986	ug/l		100
79) 2-Chlorotoluene	13.123	91	378981	49.985	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	431021	52.730	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	57184	51.914	ug/l		100
82) 4-Chlorotoluene	13.218	91	379524	50.273	ug/l		100
83) tert-Butylbenzene	13.435	119	357563	52.090	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	442175	54.275	ug/l		100
85) sec-Butylbenzene	13.612	105	501561	52.719	ug/l		100
86) p-Isopropyltoluene	13.723	119	421052	49.240	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	229518	48.204	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	229084	46.416	ug/l		100
89) n-Butylbenzene	14.053	91	364111	53.348	ug/l		100
90) Hexachloroethane	14.329	117	84602	46.712	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	228024	48.012	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32536	50.971	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	114468	51.857	ug/l		100
94) Hexachlorobutadiene	15.500	225	53846	45.947	ug/l		100
95) Naphthalene	15.635	128	363882	55.243	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	115251	51.601	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

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

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

ICAL Form

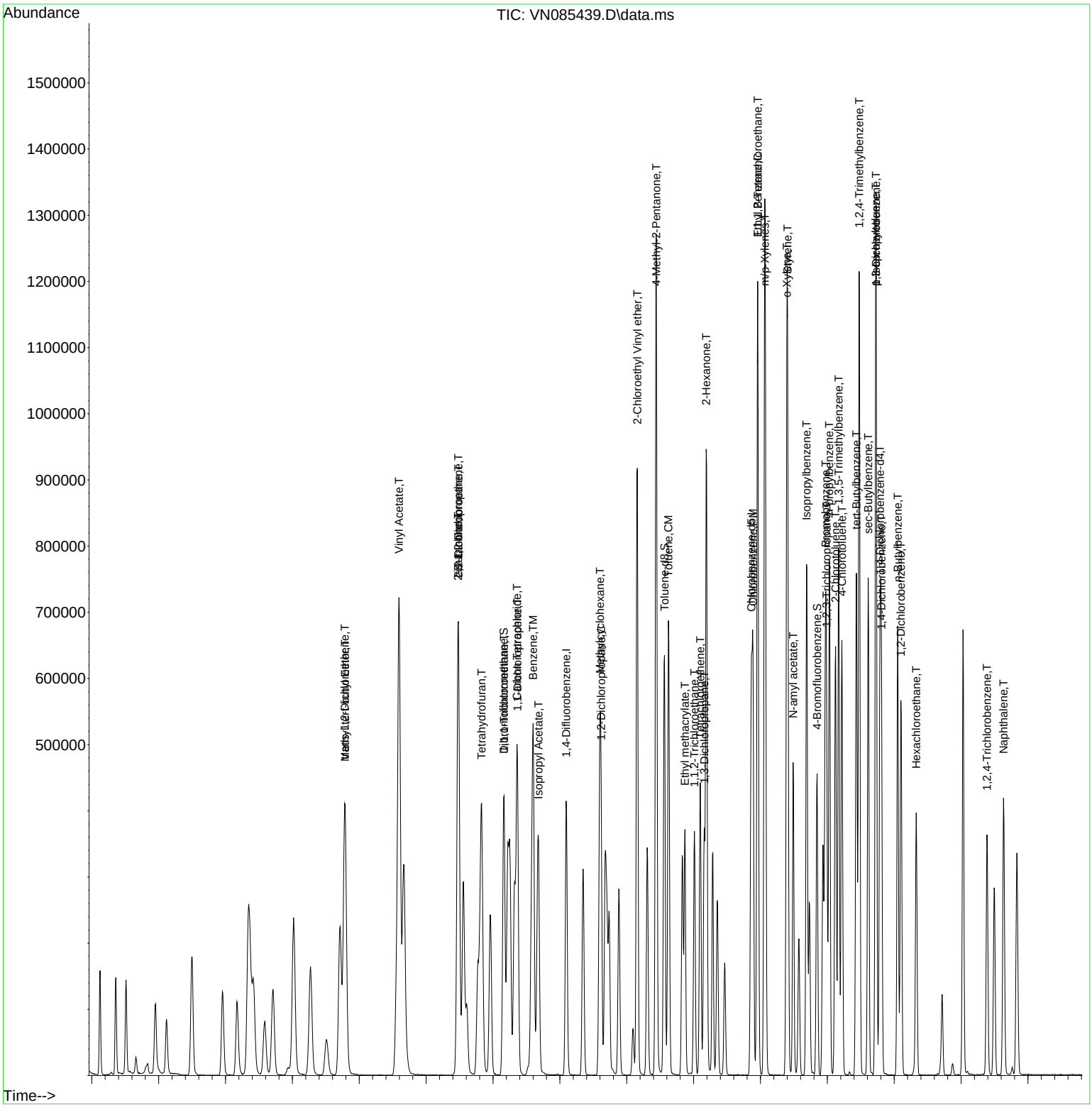
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085439.D
Acq On : 14 Jan 2025 15:19
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 15 01:42:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	200796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	340593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	60593	18.694	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	37.380%#		
35) Dibromofluoromethane	8.165	113	45655	19.322	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.640%#		
50) Toluene-d8	10.559	98	164391	19.581	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.160%#		
62) 4-Bromofluorobenzene	12.847	95	55798	19.430	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.860%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	54666	20.107	ug/l	98
3) Chloromethane	2.359	50	58426	19.848	ug/l	100
4) Vinyl Chloride	2.512	62	58403	19.739	ug/l	99
5) Bromomethane	2.954	94	36440	20.389	ug/l	94
6) Chloroethane	3.118	64	37594	20.041	ug/l	93
7) Trichlorofluoromethane	3.501	101	88121	20.526	ug/l	99
8) Diethyl Ether	3.965	74	29138	19.647	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	48933	20.237	ug/l	99
10) Methyl Iodide	4.589	142	56567	20.428	ug/l	93
11) Tert butyl alcohol	5.506	59	37984	102.342	ug/l	100
12) 1,1-Dichloroethene	4.342	96	44670	20.728	ug/l	95
13) Acrolein	4.171	56	49649	97.995	ug/l	99
14) Allyl chloride	5.024	41	67705	19.362	ug/l	96
15) Acrylonitrile	5.712	53	121626	103.171	ug/l	99
16) Acetone	4.424	43	101065	96.502	ug/l	96
17) Carbon Disulfide	4.712	76	132300	19.939	ug/l	98
18) Methyl Acetate	5.018	43	60873	19.115	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	148847	21.272	ug/l	100
20) Methylene Chloride	5.271	84	52813	20.370	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	46115	20.023	ug/l	98
22) Diisopropyl ether	6.671	45	166719	21.480	ug/l	97
23) Vinyl Acetate	6.594	43	588567m	107.984	ug/l	
24) 1,1-Dichloroethane	6.565	63	96875	20.469	ug/l #	96
25) 2-Butanone	7.477	43	159952	103.786	ug/l	98
26) 2,2-Dichloropropane	7.483	77	79145	20.684	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	57454	21.180	ug/l	98
28) Bromochloromethane	7.812	49	41181	18.703	ug/l	99
29) Tetrahydrofuran	7.836	42	104792	107.247	ug/l	99
30) Chloroform	7.959	83	99655	20.374	ug/l	99
31) Cyclohexane	8.253	56	82980	20.173	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	87659	20.431	ug/l	98
36) 1,1-Dichloropropene	8.371	75	67949	20.490	ug/l	98
37) Ethyl Acetate	7.553	43	66443	19.850	ug/l	96
38) Carbon Tetrachloride	8.359	117	78842	20.767	ug/l	96
39) Methylcyclohexane	9.594	83	65012	20.862	ug/l	96
40) Benzene	8.600	78	207985	20.873	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	36578	21.004	ug/l		99
42) 1,2-Dichloroethane	8.665	62	78402	20.891	ug/l		99
43) Isopropyl Acetate	8.683	43	109131	20.347	ug/l		98
44) Trichloroethene	9.347	130	48009	20.699	ug/l		96
45) 1,2-Dichloropropane	9.618	63	52833	20.758	ug/l		93
46) Dibromomethane	9.700	93	37721	20.540	ug/l		98
47) Bromodichloromethane	9.882	83	78918	21.093	ug/l		96
48) Methyl methacrylate	9.677	41	50224	20.808	ug/l		96
49) 1,4-Dioxane	9.688	88	17140	421.686	ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	336911	108.249	ug/l		100
52) Toluene	10.630	92	125172	21.680	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	74129	20.965	ug/l		96
54) cis-1,3-Dichloropropene	10.306	75	81897	21.684	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	48039	21.025	ug/l		97
56) Ethyl methacrylate	10.871	69	70934	19.649	ug/l		99
57) 1,3-Dichloropropane	11.159	76	84210	21.196	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	153681	105.991	ug/l		100
59) 2-Hexanone	11.194	43	240595	109.863	ug/l		98
60) Dibromochloromethane	11.353	129	56069	20.326	ug/l		96
61) 1,2-Dibromoethane	11.465	107	48465	21.309	ug/l		96
64) Tetrachloroethene	11.100	164	43243	21.408	ug/l		96
65) Chlorobenzene	11.888	112	136809	21.077	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	48370	20.304	ug/l		98
67) Ethyl Benzene	11.959	91	229978	21.753	ug/l		98
68) m/p-Xylenes	12.071	106	177755	45.494	ug/l		100
69) o-Xylene	12.394	106	84548	22.643	ug/l		98
70) Styrene	12.412	104	140581	22.749	ug/l		99
71) Bromoform	12.576	173	36961	21.683	ug/l	#	96
73) Isopropylbenzene	12.694	105	211354	21.819	ug/l		100
74) N-amyl acetate	12.494	43	94292	21.656	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	68151	19.917	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	64180m	22.036	ug/l		
77) Bromobenzene	12.976	156	52022	20.556	ug/l		99
78) n-propylbenzene	13.035	91	252610	22.028	ug/l		100
79) 2-Chlorotoluene	13.123	91	158511	21.358	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	180294	22.533	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	22178m	20.569	ug/l		
82) 4-Chlorotoluene	13.218	91	161880	21.906	ug/l		100
83) tert-Butylbenzene	13.435	119	147541	21.958	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	183144	22.965	ug/l		99
85) sec-Butylbenzene	13.612	105	209133	22.457	ug/l		100
86) p-Isopropyltoluene	13.729	119	168888	21.661	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	97652	20.952	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	98321	20.351	ug/l		99
89) n-Butylbenzene	14.053	91	142673	21.355	ug/l		99
90) Hexachloroethane	14.329	117	35205	19.858	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	94954	20.425	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12859	20.580	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	45878	21.233	ug/l		99
94) Hexachlorobutadiene	15.500	225	22719	19.805	ug/l		95
95) Naphthalene	15.635	128	134793	20.906	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	45468	20.797	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
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 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

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

ICAL Form

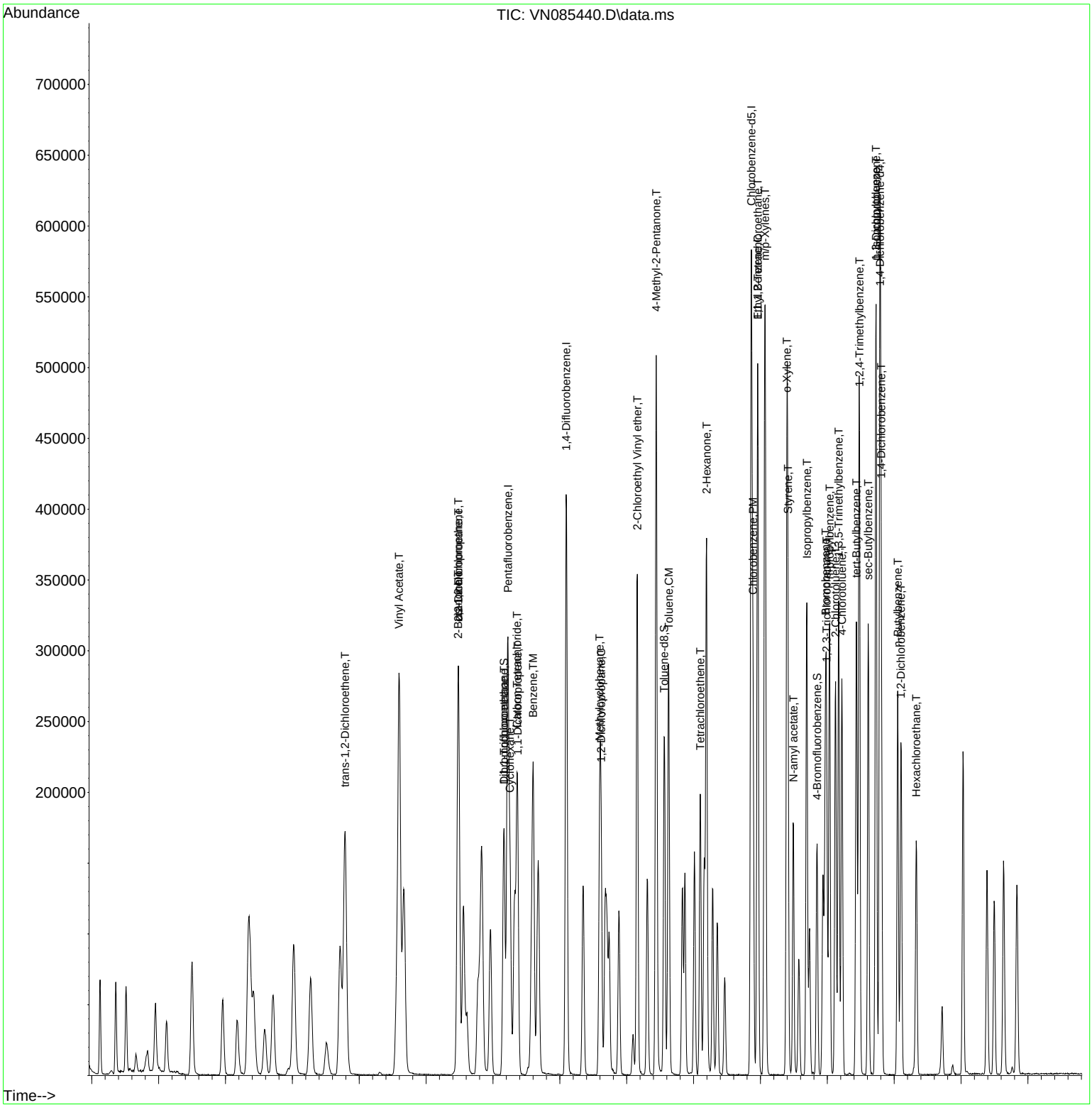
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085440.D
Acq On : 14 Jan 2025 15:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 15 01:43:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	195889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	340403	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	29856	9.442	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 18.880%#			
35) Dibromofluoromethane	8.165	113	21110	8.939	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 17.880%#			
50) Toluene-d8	10.565	98	73223	8.727	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 17.460%#			
62) 4-Bromofluorobenzene	12.847	95	24327	8.476	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 16.960%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	26124	9.850	ug/l	96
3) Chloromethane	2.359	50	27143	9.452	ug/l	99
4) Vinyl Chloride	2.512	62	27862	9.653	ug/l	100
5) Bromomethane	2.965	94	17139	9.830	ug/l	87
6) Chloroethane	3.130	64	16791	9.175	ug/l	96
7) Trichlorofluoromethane	3.501	101	40755	9.731	ug/l	98
8) Diethyl Ether	3.953	74	12415	8.581	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	22982	9.742	ug/l	98
10) Methyl Iodide	4.589	142	25085	9.286	ug/l	99
11) Tert butyl alcohol	5.512	59	17962	49.608	ug/l	97
12) 1,1-Dichloroethene	4.342	96	20615	9.806	ug/l	99
13) Acrolein	4.177	56	25568	51.729	ug/l	99
14) Allyl chloride	5.018	41	32240	9.451	ug/l	97
15) Acrylonitrile	5.712	53	53959	46.918	ug/l	98
16) Acetone	4.424	43	48475	47.446	ug/l	98
17) Carbon Disulfide	4.712	76	60201	9.300	ug/l #	94
18) Methyl Acetate	5.030	43	30500	9.817	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	65207	9.552	ug/l	91
20) Methylene Chloride	5.277	84	23723	9.379	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	21127	9.403	ug/l	97
22) Diisopropyl ether	6.671	45	71857	9.490	ug/l	97
23) Vinyl Acetate	6.600	43	250575	47.125	ug/l	98
24) 1,1-Dichloroethane	6.565	63	43099	9.335	ug/l	95
25) 2-Butanone	7.477	43	71191	47.350	ug/l	99
26) 2,2-Dichloropropane	7.483	77	36105	9.672	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	25049	9.466	ug/l	97
28) Bromochloromethane	7.806	49	19037	8.863	ug/l	97
29) Tetrahydrofuran	7.836	42	45641	47.881	ug/l	98
30) Chloroform	7.965	83	45792	9.596	ug/l	100
31) Cyclohexane	8.253	56	40211	10.020	ug/l #	93
32) 1,1,1-Trichloroethane	8.165	97	39170	9.358	ug/l	99
36) 1,1-Dichloropropene	8.371	75	30015	9.056	ug/l	97
37) Ethyl Acetate	7.559	43	30760	9.195	ug/l	97
38) Carbon Tetrachloride	8.359	117	36015	9.492	ug/l	94
39) Methylcyclohexane	9.594	83	27721	8.900	ug/l	95
40) Benzene	8.600	78	93680	9.407	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	16859	9.686	ug/l		96
42) 1,2-Dichloroethane	8.665	62	35569	9.483	ug/l		99
43) Isopropyl Acetate	8.683	43	48926	9.127	ug/l		99
44) Trichloroethene	9.347	130	21113	9.108	ug/l		95
45) 1,2-Dichloropropane	9.618	63	22747	8.942	ug/l		97
46) Dibromomethane	9.706	93	17260	9.404	ug/l		99
47) Bromodichloromethane	9.883	83	35020	9.365	ug/l		98
48) Methyl methacrylate	9.677	41	21873	9.067	ug/l		97
49) 1,4-Dioxane	9.694	88	7734	190.382	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	146990	47.254	ug/l		98
52) Toluene	10.630	92	54976	9.527	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	32780	9.276	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	35904	9.512	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	21060	9.222	ug/l		98
56) Ethyl methacrylate	10.871	69	28454	9.042	ug/l		95
57) 1,3-Dichloropropane	11.159	76	37768	9.512	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	63110	43.550	ug/l		98
59) 2-Hexanone	11.194	43	101318	46.291	ug/l		98
60) Dibromochloromethane	11.353	129	25029	9.079	ug/l		98
61) 1,2-Dibromoethane	11.465	107	21055	9.263	ug/l		100
64) Tetrachloroethene	11.100	164	19934	9.928	ug/l		97
65) Chlorobenzene	11.888	112	61680	9.560	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.959	131	21853	9.229	ug/l		98
67) Ethyl Benzene	11.959	91	99248	9.445	ug/l		97
68) m/p-Xylenes	12.065	106	72431	18.650	ug/l		99
69) o-Xylene	12.394	106	34382	9.264	ug/l		99
70) Styrene	12.406	104	56285	9.163	ug/l		98
71) Bromoform	12.576	173	16071	9.485	ug/l	#	98
73) Isopropylbenzene	12.694	105	87003	9.697	ug/l		99
74) N-amyl acetate	12.494	43	37343	9.260	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	30770	9.709	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	25443m	9.432	ug/l		
77) Bromobenzene	12.976	156	22784	9.720	ug/l		97
78) n-propylbenzene	13.035	91	102262	9.628	ug/l		98
79) 2-Chlorotoluene	13.123	91	68346	9.943	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	71656	9.669	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	9236	9.248	ug/l		100
82) 4-Chlorotoluene	13.218	91	66773	9.756	ug/l		97
83) tert-Butylbenzene	13.435	119	59455	9.553	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	72046	9.754	ug/l		99
85) sec-Butylbenzene	13.612	105	83662	9.699	ug/l		99
86) p-Isopropyltoluene	13.729	119	67556	9.674	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	41843	9.693	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	42728	9.549	ug/l		99
89) n-Butylbenzene	14.053	91	57632	9.314	ug/l		97
90) Hexachloroethane	14.329	117	15261	9.294	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	40726	9.458	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5639	9.744	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	18720	9.354	ug/l		99
94) Hexachlorobutadiene	15.500	225	10491	9.874	ug/l		98
95) Naphthalene	15.635	128	52054	8.717	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	19450	9.605	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

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

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

ICAL Form

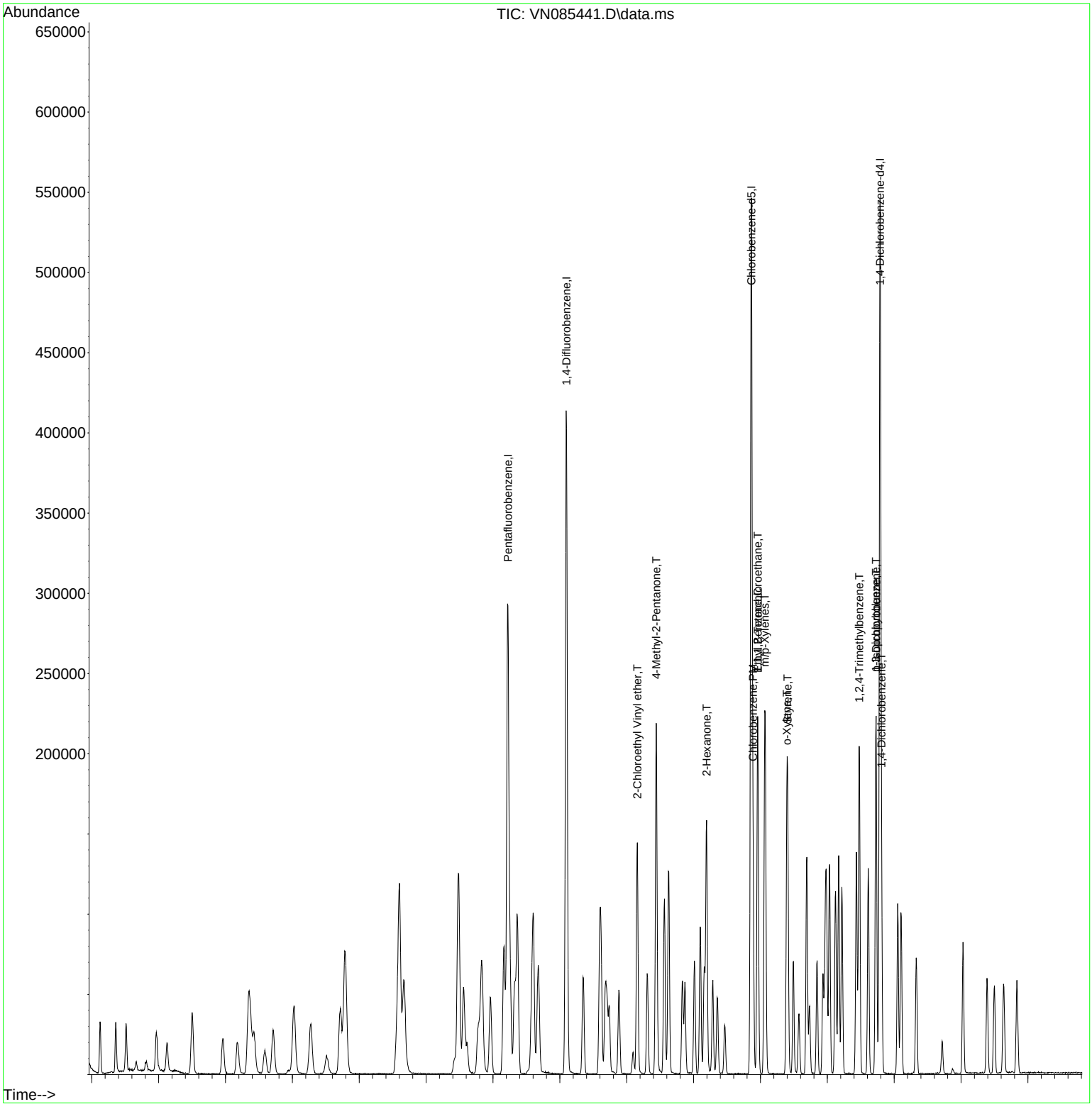
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085441.D
Acq On : 14 Jan 2025 16:07
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 15 01:44:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
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 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	186556	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	324413	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	282203	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126086	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	17046	5.660	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 11.320%#				
35) Dibromofluoromethane	8.165	113	12102	5.377	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.760%#				
50) Toluene-d8	10.565	98	41328	5.168	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 10.340%#				
62) 4-Bromofluorobenzene	12.847	95	13520	4.943	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.880%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	13199	5.225	ug/l		97
3) Chloromethane	2.359	50	14526	5.311	ug/l		96
4) Vinyl Chloride	2.512	62	14564	5.298	ug/l		98
5) Bromomethane	2.953	94	9788	5.895	ug/l		98
6) Chloroethane	3.124	64	9430	5.411	ug/l		99
7) Trichlorofluoromethane	3.501	101	20098	5.039	ug/l		92
8) Diethyl Ether	3.959	74	6652	4.828	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.365	101	11917	5.305	ug/l		97
10) Methyl Iodide	4.583	142	12331	4.793	ug/l		99
11) Tert butyl alcohol	5.518	59	9075	26.318	ug/l	#	94
12) 1,1-Dichloroethene	4.342	96	10429	5.209	ug/l		96
13) Acrolein	4.171	56	9430	20.033	ug/l		97
14) Allyl chloride	5.030	41	16741	5.153	ug/l		97
15) Acrylonitrile	5.718	53	27869	25.445	ug/l		97
16) Acetone	4.430	43	25122	25.819	ug/l		97
17) Carbon Disulfide	4.706	76	32068	5.202	ug/l		96
18) Methyl Acetate	5.024	43	15106	5.106	ug/l		97
19) Methyl tert-butyl Ether	5.800	73	31439	4.836	ug/l		94
20) Methylene Chloride	5.271	84	12981	5.389	ug/l	#	83
21) trans-1,2-Dichloroethene	5.783	96	10614	4.960	ug/l	#	78
22) Diisopropyl ether	6.665	45	35785	4.962	ug/l	#	96
23) Vinyl Acetate	6.600	43	118439m	23.389	ug/l		
24) 1,1-Dichloroethane	6.565	63	22865	5.200	ug/l		99
25) 2-Butanone	7.483	43	36127	25.231	ug/l		99
26) 2,2-Dichloropropane	7.488	77	18398	5.175	ug/l		100
27) cis-1,2-Dichloroethene	7.488	96	12477	4.951	ug/l		99
28) Bromochloromethane	7.806	49	11096	5.424	ug/l		99
29) Tetrahydrofuran	7.841	42	21983	24.215	ug/l		99
30) Chloroform	7.959	83	23384	5.146	ug/l		98
31) Cyclohexane	8.247	56	22343	5.846	ug/l	#	92
32) 1,1,1-Trichloroethane	8.159	97	21416	5.372	ug/l		91
36) 1,1-Dichloropropene	8.371	75	15886	5.029	ug/l		96
37) Ethyl Acetate	7.553	43	16879m	5.294	ug/l		
38) Carbon Tetrachloride	8.359	117	18317	5.065	ug/l		96
39) Methylcyclohexane	9.600	83	14175	4.776	ug/l		98
40) Benzene	8.600	78	47833	5.040	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
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 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	7380	4.449 ug/l	96
42) 1,2-Dichloroethane	8.671	62	18628	5.211 ug/l	98
43) Isopropyl Acetate	8.688	43	24792	4.853 ug/l	98
44) Trichloroethene	9.347	130	11133	5.039 ug/l	86
45) 1,2-Dichloropropane	9.618	63	12591	5.194 ug/l	92
46) Dibromomethane	9.700	93	8230	4.705 ug/l	91
47) Bromodichloromethane	9.888	83	18456	5.179 ug/l #	96
48) Methyl methacrylate	9.677	41	10574	4.599 ug/l	95
49) 1,4-Dioxane	9.694	88	3619	93.477 ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	71889	24.250 ug/l	98
52) Toluene	10.629	92	27098	4.928 ug/l	98
53) t-1,3-Dichloropropene	10.829	75	17099	5.077 ug/l	95
54) cis-1,3-Dichloropropene	10.306	75	17440	4.848 ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	11311	5.197 ug/l	96
56) Ethyl methacrylate	10.871	69	14094	5.627 ug/l	94
57) 1,3-Dichloropropane	11.159	76	18945	5.006 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	33210	24.047 ug/l	97
59) 2-Hexanone	11.194	43	49021	23.501 ug/l	94
60) Dibromochloromethane	11.353	129	13635	5.190 ug/l	96
61) 1,2-Dibromoethane	11.471	107	10419	4.810 ug/l	98
64) Tetrachloroethene	11.100	164	9756	5.071 ug/l	91
65) Chlorobenzene	11.888	112	31312	5.065 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	11620	5.121 ug/l	98
67) Ethyl Benzene	11.965	91	48216	4.789 ug/l	98
68) m/p-Xylenes	12.065	106	34771	9.344 ug/l	99
69) o-Xylene	12.394	106	16419	4.617 ug/l	98
70) Styrene	12.412	104	26218	4.454 ug/l	99
71) Bromoform	12.576	173	8017	4.938 ug/l #	99
73) Isopropylbenzene	12.694	105	39811	4.678 ug/l	99
74) N-amyl acetate	12.488	43	17577	4.595 ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.935	83	15483	5.151 ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	12173m	4.758 ug/l	
77) Bromobenzene	12.982	156	11091	4.989 ug/l	99
78) n-propylbenzene	13.035	91	45450	4.512 ug/l	99
79) 2-Chlorotoluene	13.123	91	31932	4.898 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	31891	4.537 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	4229	4.465 ug/l	90
82) 4-Chlorotoluene	13.218	91	31976	4.926 ug/l	100
83) tert-Butylbenzene	13.435	119	27597	4.675 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	32054	4.575 ug/l	98
85) sec-Butylbenzene	13.612	105	38148	4.663 ug/l	98
86) p-Isopropyltoluene	13.723	119	29856	4.584 ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	20876	5.099 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	21982	5.179 ug/l	97
89) n-Butylbenzene	14.053	91	27437	4.675 ug/l	96
90) Hexachloroethane	14.329	117	7767	4.987 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	20177	4.940 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.729	75	2872	5.232 ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	9037	4.761 ug/l	94
94) Hexachlorobutadiene	15.500	225	5563	5.520 ug/l	98
95) Naphthalene	15.641	128	25047	4.422 ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	8737	4.549 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
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 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

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

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

ICAL Form

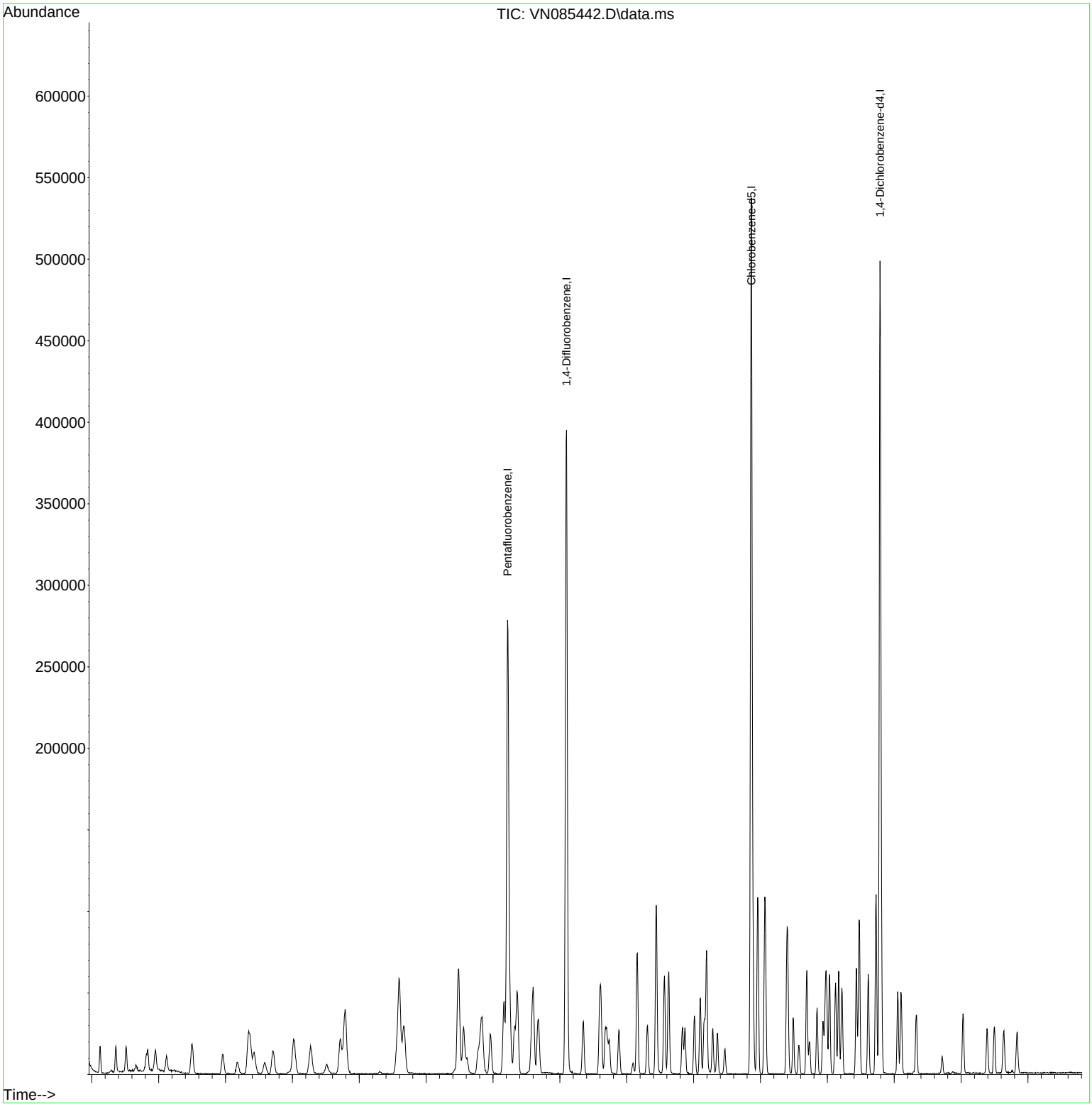
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085442.D
Acq On : 14 Jan 2025 16:31
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 15 01:45:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
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 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	166880	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	302938	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	256851	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99539	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	2382	1.054	ug/l		91
3) Chloromethane	2.359	50	2801	1.145	ug/l		93
4) Vinyl Chloride	2.512	62	2732	1.111	ug/l	#	81
6) Chloroethane	3.124	64	1809	1.160	ug/l		94
7) Trichlorofluoromethane	3.512	101	3860	1.082	ug/l		88
8) Diethyl Ether	3.953	74	1526	1.238	ug/l		81
9) 1,1,2-Trichlorotrifluo...	4.359	101	2156m	1.073	ug/l		
12) 1,1-Dichloroethene	4.330	96	1660	0.927	ug/l	#	67
14) Allyl chloride	5.024	41	3179	1.094	ug/l	#	85
15) Acrylonitrile	5.718	53	4967	5.070	ug/l	#	70
16) Acetone	4.436	43	5102	5.862	ug/l		92
17) Carbon Disulfide	4.706	76	6601	1.197	ug/l	#	87
18) Methyl Acetate	5.030	43	2908	1.099	ug/l	#	80
19) Methyl tert-butyl Ether	5.789	73	5156	0.887	ug/l	#	87
20) Methylene Chloride	5.265	84	2190	1.016	ug/l	#	87
21) trans-1,2-Dichloroethene	5.794	96	2110	1.102	ug/l	#	66
22) Diisopropyl ether	6.677	45	5691	0.882	ug/l	#	88
23) Vinyl Acetate	6.606	43	18526m	4.090	ug/l		
24) 1,1-Dichloroethane	6.583	63	4020m	1.022	ug/l		
25) 2-Butanone	7.483	43	6448m	5.034	ug/l		
26) 2,2-Dichloropropane	7.488	77	3104	0.976	ug/l		92
27) cis-1,2-Dichloroethene	7.477	96	2185	0.969	ug/l		92
28) Bromochloromethane	7.812	49	2082	1.138	ug/l	#	89
29) Tetrahydrofuran	7.835	42	3693	4.548	ug/l		98
30) Chloroform	7.965	83	4250	1.045	ug/l	#	80
32) 1,1,1-Trichloroethane	8.165	97	3678	1.031	ug/l	#	56
36) 1,1-Dichloropropene	8.371	75	3084	1.046	ug/l	#	84
37) Ethyl Acetate	7.577	43	3056m	1.026	ug/l		
38) Carbon Tetrachloride	8.359	117	3436	1.018	ug/l		90
39) Methylcyclohexane	9.600	83	2403	0.867	ug/l	#	87
40) Benzene	8.606	78	8480	0.957	ug/l		91
41) Methacrylonitrile	7.771	41	1458	0.941	ug/l	#	76
42) 1,2-Dichloroethane	8.665	62	3131	0.938	ug/l		91
43) Isopropyl Acetate	8.682	43	4803	1.007	ug/l	#	87
44) Trichloroethene	9.347	130	2133	1.034	ug/l		71
45) 1,2-Dichloropropane	9.618	63	2246	0.992	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
46) Dibromomethane	9.706	93	1769	1.083 ug/l		92
47) Bromodichloromethane	9.882	83	2935	0.882 ug/l		90
48) Methyl methacrylate	9.677	41	1886	0.878 ug/l		96
49) 1,4-Dioxane	9.688	88	673	18.616 ug/l	#	47
51) 4-Methyl-2-Pentanone	10.441	43	11523	4.163 ug/l		93
52) Toluene	10.618	92	4180	0.814 ug/l		93
53) t-1,3-Dichloropropene	10.835	75	2522	0.802 ug/l		92
54) cis-1,3-Dichloropropene	10.312	75	2725	0.811 ug/l	#	83
55) 1,1,2-Trichloroethane	11.018	97	1901	0.935 ug/l		91
56) Ethyl methacrylate	10.871	69	1923	2.471 ug/l	#	88
57) 1,3-Dichloropropane	11.165	76	3113	0.881 ug/l		95
58) 2-Chloroethyl Vinyl ether	10.153	63	4929	3.822 ug/l		91
59) 2-Hexanone	11.194	43	7905	4.058 ug/l		87
60) Dibromochloromethane	11.359	129	2339	0.953 ug/l		98
61) 1,2-Dibromoethane	11.465	107	2022	1.000 ug/l		90
64) Tetrachloroethene	11.106	164	1658	0.947 ug/l	#	83
65) Chlorobenzene	11.888	112	5401	0.960 ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.959	131	2185	1.058 ug/l	#	64
67) Ethyl Benzene	11.959	91	7347	0.802 ug/l		94
68) m/p-Xylenes	12.070	106	5059	1.494 ug/l		100
69) o-Xylene	12.394	106	2478	0.766 ug/l		97
70) Styrene	12.406	104	3812	0.712 ug/l		99
71) Bromoform	12.582	173	1208	0.818 ug/l	#	88
73) Isopropylbenzene	12.688	105	5506	0.820 ug/l		98
74) N-amyl acetate	12.494	43	2716	0.899 ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.935	83	2616	1.102 ug/l	#	96
76) 1,2,3-Trichloropropane	12.982	75	2198m	1.088 ug/l		
77) Bromobenzene	12.976	156	1733	0.987 ug/l		97
78) n-propylbenzene	13.029	91	6424	0.808 ug/l		93
79) 2-Chlorotoluene	13.117	91	4483	0.871 ug/l		97
80) 1,3,5-Trimethylbenzene	13.165	105	4301	0.775 ug/l		90
82) 4-Chlorotoluene	13.223	91	4268	0.833 ug/l		99
83) tert-Butylbenzene	13.435	119	3753	0.805 ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	3758	0.679 ug/l		93
85) sec-Butylbenzene	13.612	105	4614	0.714 ug/l		99
86) p-Isopropyltoluene	13.723	119	3538	0.716 ug/l		98
87) 1,3-Dichlorobenzene	13.723	146	3038	0.940 ug/l		95
88) 1,4-Dichlorobenzene	13.806	146	3517m	1.050 ug/l		
89) n-Butylbenzene	14.053	91	3527	0.761 ug/l		93
90) Hexachloroethane	14.341	117	1355	1.102 ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	3515	1.090 ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	402	0.928 ug/l		74
93) 1,2,4-Trichlorobenzene	15.394	180	1310	0.874 ug/l	#	80
94) Hexachlorobutadiene	15.500	225	822	1.033 ug/l		89
95) Naphthalene	15.641	128	4210	0.941 ug/l	#	90
96) 1,2,3-Trichlorobenzene	15.835	180	1494	0.985 ug/l	#	86

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

ICAL Form

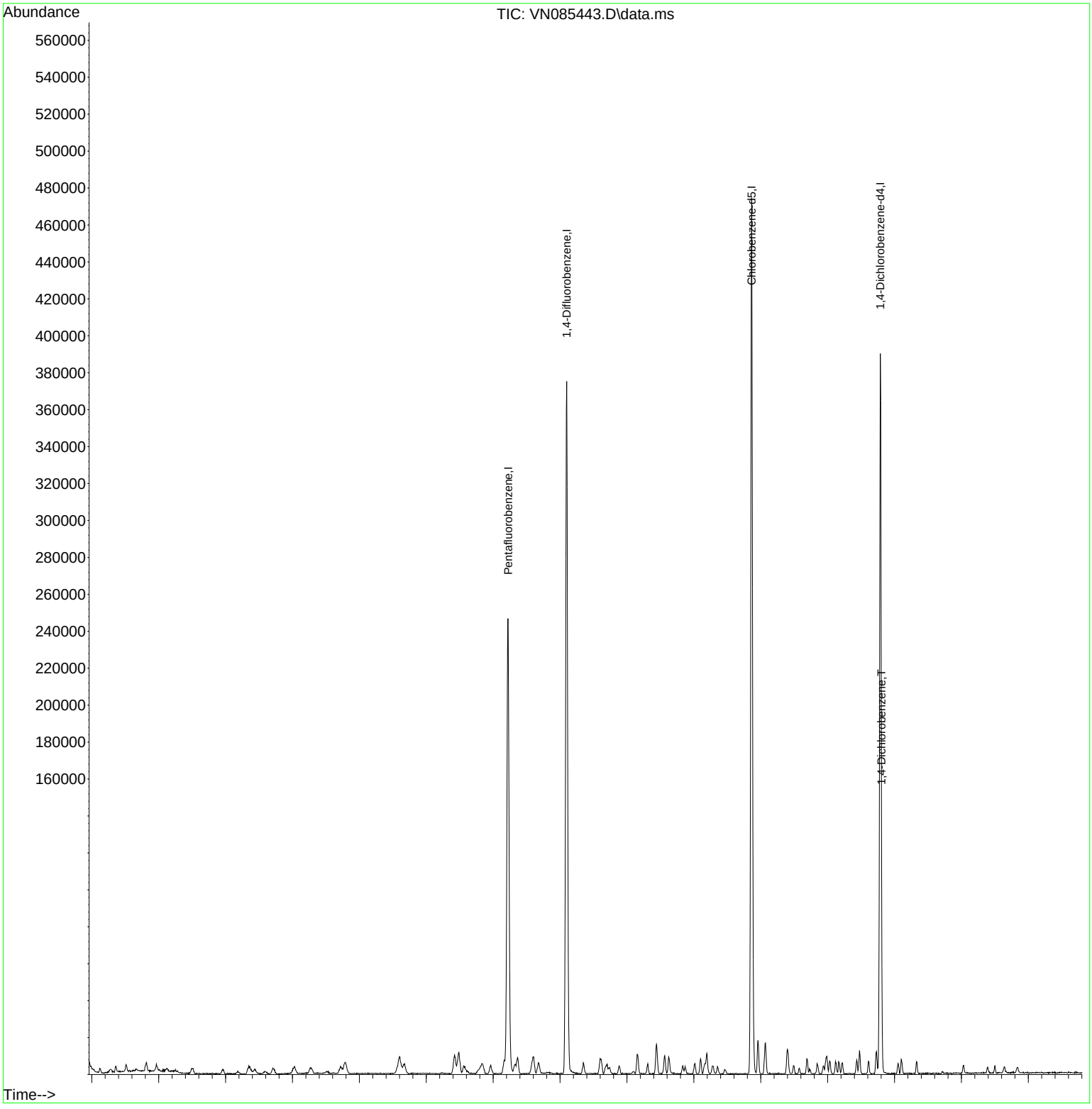
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085443.D
Acq On : 14 Jan 2025 17:19
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 15 01:46:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 01:28:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	219757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	370487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	320948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	176594	49.782	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.560%			
35) Dibromofluoromethane	8.165	113	130487	50.768	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.540%			
50) Toluene-d8	10.565	98	477630	52.302	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.600%			
62) 4-Bromofluorobenzene	12.847	95	165249	52.899	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	130242	43.772	ug/l	100
3) Chloromethane	2.360	50	138152	42.883	ug/l	99
4) Vinyl Chloride	2.513	62	138316	42.715	ug/l	99
5) Bromomethane	2.954	94	80019	40.910	ug/l	91
6) Chloroethane	3.124	64	86837	42.299	ug/l	99
7) Trichlorofluoromethane	3.501	101	206526	43.956	ug/l	99
8) Diethyl Ether	3.959	74	69545	42.846	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	118310	44.706	ug/l	98
10) Methyl Iodide	4.595	142	140190	46.259	ug/l	98
11) Tert butyl alcohol	5.518	59	83933	206.633	ug/l	99
12) 1,1-Dichloroethene	4.342	96	106880	45.317	ug/l	98
13) Acrolein	4.177	56	135720	244.765	ug/l	99
14) Allyl chloride	5.024	41	170308	44.501	ug/l	99
15) Acrylonitrile	5.712	53	294062	227.920	ug/l	99
16) Acetone	4.418	43	245248	213.971	ug/l	98
17) Carbon Disulfide	4.712	76	300215	41.342	ug/l	100
18) Methyl Acetate	5.018	43	156938	45.028	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	365819	47.768	ug/l	100
20) Methylene Chloride	5.271	84	122059	43.017	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	112597	44.672	ug/l	93
22) Diisopropyl ether	6.665	45	399206	46.996	ug/l	99
23) Vinyl Acetate	6.601	43	1471068	247.459	ug/l	100
24) 1,1-Dichloroethane	6.571	63	228489	44.114	ug/l	98
25) 2-Butanone	7.477	43	386125	228.924	ug/l	100
26) 2,2-Dichloropropane	7.489	77	199303	47.593	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	134920	45.446	ug/l	98
28) Bromochloromethane	7.812	49	106323	44.122	ug/l	100
29) Tetrahydrofuran	7.836	42	255650	239.065	ug/l	99
30) Chloroform	7.965	83	235923	44.071	ug/l	98
31) Cyclohexane	8.253	56	193034	42.878	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	208172	44.332	ug/l	99
36) 1,1-Dichloropropene	8.365	75	161834	44.863	ug/l	98
37) Ethyl Acetate	7.559	43	160656	44.123	ug/l	97
38) Carbon Tetrachloride	8.359	117	183592	44.456	ug/l	99
39) Methylcyclohexane	9.600	83	168431	49.687	ug/l	98
40) Benzene	8.600	78	494871	45.657	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	89326	47.155 ug/l		99
42) 1,2-Dichloroethane	8.665	62	185663	45.481 ug/l		100
43) Isopropyl Acetate	8.683	43	265107	45.440 ug/l		99
44) Trichloroethene	9.347	130	110058	43.622 ug/l		96
45) 1,2-Dichloropropane	9.618	63	123876	44.744 ug/l		97
46) Dibromomethane	9.700	93	88325	44.214 ug/l		98
47) Bromodichloromethane	9.889	83	185808	45.655 ug/l		99
48) Methyl methacrylate	9.677	41	131142	49.948 ug/l		97
49) 1,4-Dioxane	9.689	88	35051	792.760 ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	832426	245.877 ug/l		99
52) Toluene	10.630	92	301911	48.073 ug/l		99
53) t-1,3-Dichloropropene	10.830	75	183680	47.757 ug/l		94
54) cis-1,3-Dichloropropene	10.312	75	196307	47.783 ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	114757	46.173 ug/l		97
56) Ethyl methacrylate	10.871	69	182170	43.762 ug/l		98
57) 1,3-Dichloropropane	11.159	76	202583	46.877 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	403949	256.116 ug/l		99
59) 2-Hexanone	11.194	43	598433	251.213 ug/l		100
60) Dibromochloromethane	11.353	129	137831	45.935 ug/l		99
61) 1,2-Dibromoethane	11.465	107	110926	44.837 ug/l		100
64) Tetrachloroethene	11.100	164	98211	44.886 ug/l		96
65) Chlorobenzene	11.888	112	322723	45.901 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	115379	44.712 ug/l		99
67) Ethyl Benzene	11.959	91	577059	50.391 ug/l		97
68) m/p-Xylenes	12.071	106	437367	103.341 ug/l		100
69) o-Xylene	12.394	106	210698	52.093 ug/l		99
70) Styrene	12.406	104	355459	53.103 ug/l		100
71) Bromoform	12.577	173	90693	49.119 ug/l	#	100
73) Isopropylbenzene	12.694	105	534428	49.951 ug/l		99
74) N-amyl acetate	12.488	43	234342	48.730 ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	164882	43.627 ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	134976m	41.891 ug/l		
77) Bromobenzene	12.977	156	128968	46.138 ug/l		97
78) n-propylbenzene	13.029	91	645977	51.001 ug/l		100
79) 2-Chlorotoluene	13.124	91	392404	47.870 ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	456048	51.604 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	58623m	49.226 ug/l		
82) 4-Chlorotoluene	13.218	91	398110	48.776 ug/l		100
83) tert-Butylbenzene	13.435	119	378478	50.997 ug/l		98
84) 1,2,4-Trimethylbenzene	13.477	105	457340	51.922 ug/l		100
85) sec-Butylbenzene	13.612	105	532578	51.777 ug/l		100
86) p-Isopropyltoluene	13.729	119	440284	47.795 ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	236387	45.920 ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	235319	44.102 ug/l		99
89) n-Butylbenzene	14.053	91	373227	50.578 ug/l		99
90) Hexachloroethane	14.329	117	88538	45.215 ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	231646	45.113 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	31899	46.221 ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	109157	45.739 ug/l		98
94) Hexachlorobutadiene	15.500	225	53358	42.112 ug/l		99
95) Naphthalene	15.641	128	335535	47.116 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	107583	44.551 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

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

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

ICAL Form

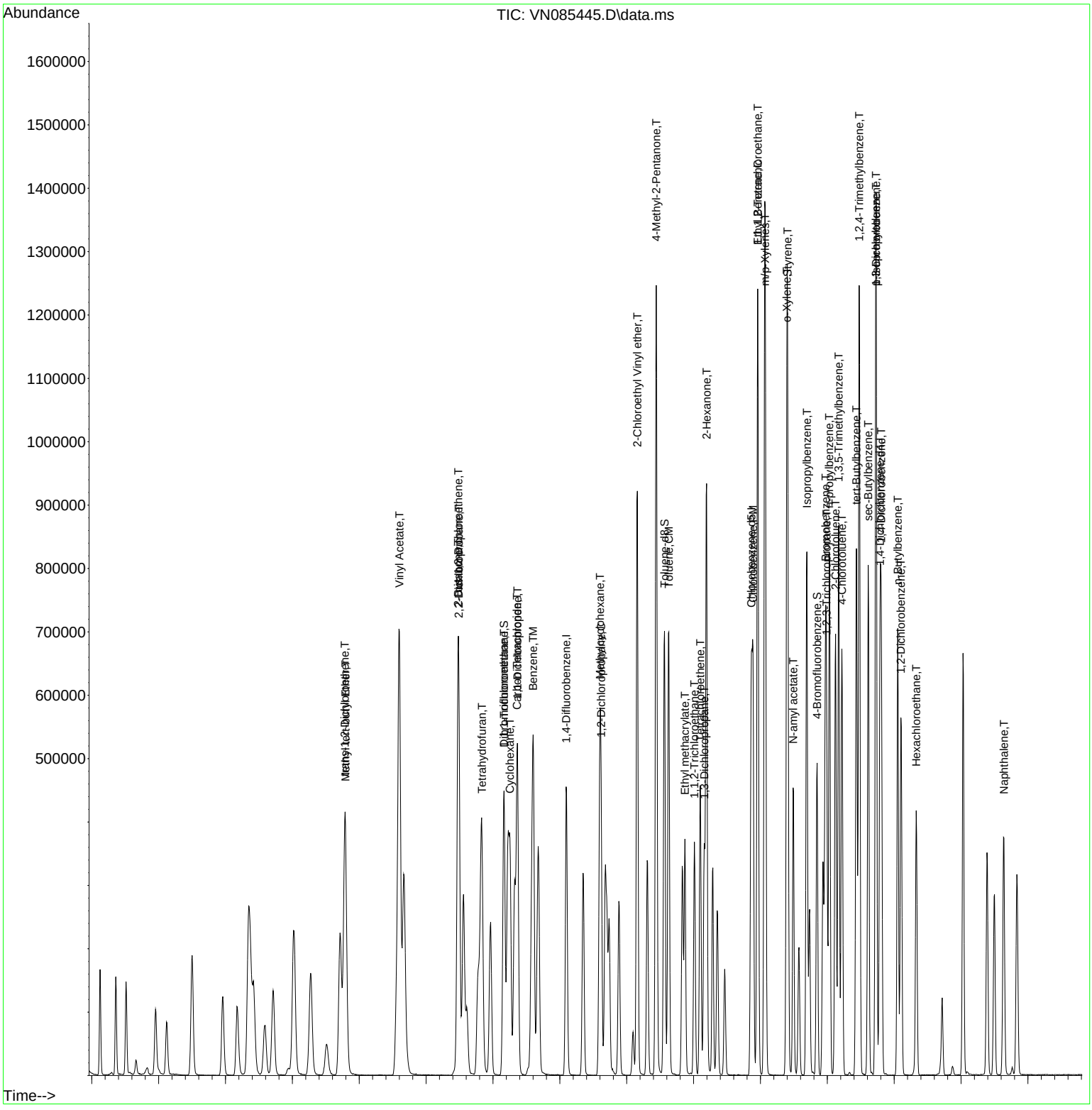
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Manual Integrations APPROVED

Reviewed By :John Carlone 01/15/2025
Supervised By :Mahesh Dadoda 01/15/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 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	110	0.00
2	T	Dichlorodifluoromethane	0.677	0.593	12.4	104	0.00
3	P	Chloromethane	0.733	0.629	14.2	102	0.00
4	C	Vinyl Chloride	0.737	0.629	14.7#	101	0.00
5	T	Bromomethane	0.445	0.364	18.2	96	0.00
6	T	Chloroethane	0.467	0.395	15.4	103	0.00
7	T	Trichlorofluoromethane	1.069	0.940	12.1	104	0.00
8	T	Diethyl Ether	0.369	0.316	14.4	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.602	0.538	10.6	109	0.00
10	T	Methyl Iodide	0.690	0.638	7.5	98	0.00
11	T	Tert butyl alcohol	0.092	0.076	17.4	90	0.00
12	CM	1,1-Dichloroethene	0.537	0.486	9.5#	101	0.00
13	T	Acrolein	0.126	0.124	1.6	97	0.00
14	T	Allyl chloride	0.871	0.775	11.0	101	0.00
15	T	Acrylonitrile	0.294	0.268	8.8	99	0.00
16	T	Acetone	0.261	0.223	14.6	98	0.00
17	T	Carbon Disulfide	1.652	1.366	17.3	102	0.00
18	T	Methyl Acetate	0.793	0.714	10.0	100	0.00
19	T	Methyl tert-butyl Ether	1.742	1.665	4.4	98	0.00
20	T	Methylene Chloride	0.646	0.555	14.1	97	0.00
21	T	trans-1,2-Dichloroethene	0.573	0.512	10.6	102	0.00
22	T	Diisopropyl ether	1.933	1.817	6.0	98	0.00
23	T	Vinyl Acetate	1.353	1.339	1.0	99	0.00
24	P	1,1-Dichloroethane	1.178	1.040	11.7	98	0.00
25	T	2-Butanone	0.384	0.351	8.6	99	0.00
26	T	2,2-Dichloropropane	0.953	0.907	4.8	107	0.00
27	T	cis-1,2-Dichloroethene	0.675	0.614	9.0	99	0.00
28	T	Bromochloromethane	0.548	0.484	11.7	98	0.00
29	T	Tetrahydrofuran	0.243	0.233	4.1	98	0.00
30	C	Chloroform	1.218	1.074	11.8#	101	0.00
31	T	Cyclohexane	1.024	0.878	14.3	110	0.00
32	T	1,1,1-Trichloroethane	1.068	0.947	11.3	103	0.00
33	S	1,2-Dichloroethane-d4	0.807	0.804	0.4	107	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00
35	S	Dibromofluoromethane	0.347	0.352	-1.4	107	0.00
36	T	1,1-Dichloropropene	0.487	0.437	10.3	103	0.00
37	T	Ethyl Acetate	0.491	0.434	11.6	97	0.00
38	T	Carbon Tetrachloride	0.557	0.496	11.0	102	0.00
39	T	Methylcyclohexane	0.457	0.455	0.4	107	0.00
40	TM	Benzene	1.463	1.336	8.7	100	0.00
41	T	Methacrylonitrile	0.256	0.241	5.9	97	0.00
42	TM	1,2-Dichloroethane	0.551	0.501	9.1	100	0.00
43	T	Isopropyl Acetate	0.787	0.716	9.0	96	0.00
44	TM	Trichloroethene	0.341	0.297	12.9	100	0.00
45	C	1,2-Dichloropropane	0.374	0.334	10.7#	98	0.00
46	T	Dibromomethane	0.270	0.238	11.9	97	0.00
47	T	Bromodichloromethane	0.549	0.502	8.6	98	0.00
48	T	Methyl methacrylate	0.354	0.354	0.0	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 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	0.006	0.005	16.7	81	0.00
50	S	Toluene-d8	1.232	1.289	-4.6	111	0.00
51	T	4-Methyl-2-Pentanone	0.457	0.449	1.8	99	0.00
52	CM	Toluene	0.848	0.815	3.9#	102	0.00
53	T	t-1,3-Dichloropropene	0.519	0.496	4.4	98	0.00
54	T	cis-1,3-Dichloropropene	0.554	0.530	4.3	98	0.00
55	T	1,1,2-Trichloroethane	0.335	0.310	7.5	99	0.00
56	T	Ethyl methacrylate	0.469	0.492	-4.9	99	0.00
57	T	1,3-Dichloropropane	0.583	0.547	6.2	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.213	0.218	-2.3	99	0.00
59	T	2-Hexanone	0.321	0.323	-0.6	99	0.00
60	T	Dibromochloromethane	0.405	0.372	8.1	98	0.00
61	T	1,2-Dibromoethane	0.334	0.299	10.5	98	0.00
62	S	4-Bromofluorobenzene	0.422	0.446	-5.7	108	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00
64	T	Tetrachloroethene	0.341	0.306	10.3	102	0.00
65	PM	Chlorobenzene	1.095	1.006	8.1	101	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.359	10.7	99	0.00
67	C	Ethyl Benzene	1.784	1.798	-0.8#	104	0.00
68	T	m/p-Xylenes	0.659	0.681	-3.3	104	0.00
69	T	o-Xylene	0.630	0.656	-4.1	104	0.00
70	T	Styrene	1.043	1.108	-6.2	102	0.00
71	P	Bromoform	0.288	0.283	1.7	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
73	T	Isopropylbenzene	3.375	3.371	0.1	106	0.00
74	T	N-amyl acetate	1.517	1.478	2.6	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.192	1.040	12.8	98	0.00
76	T	1,2,3-Trichloropropane	1.016	0.851	16.2	103	0.00
77	T	Bromobenzene	0.882	0.814	7.7	103	0.00
78	T	n-propylbenzene	3.995	4.075	-2.0	106	0.00
79	T	2-Chlorotoluene	2.586	2.475	4.3	104	0.00
80	T	1,3,5-Trimethylbenzene	2.787	2.877	-3.2	106	0.00
81	T	trans-1,4-Dichloro-2-butene	0.376	0.370	1.6	103	0.00
82	T	4-Chlorotoluene	2.574	2.511	2.4	105	0.00
83	T	tert-Butylbenzene	2.341	2.387	-2.0	106	0.00
84	T	1,2,4-Trimethylbenzene	2.778	2.885	-3.9	103	0.00
85	T	sec-Butylbenzene	3.244	3.360	-3.6	106	0.00
86	T	p-Isopropyltoluene	2.631	2.777	-5.5	105	0.00
87	T	1,3-Dichlorobenzene	1.624	1.491	8.2	103	0.00
88	T	1,4-Dichlorobenzene	1.683	1.484	11.8	103	0.00
89	T	n-Butylbenzene	2.327	2.354	-1.2	103	0.00
90	T	Hexachloroethane	0.618	0.559	9.5	105	0.00
91	T	1,2-Dichlorobenzene	1.620	1.461	9.8	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.218	0.201	7.8	98	0.00
93	T	1,2,4-Trichlorobenzene	0.753	0.689	8.5	95	0.00
94	T	Hexachlorobutadiene	0.400	0.337	15.8	99	0.00
95	T	Naphthalene	2.246	2.117	5.7	92	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 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	0.762	0.679	10.9	93	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 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	110	0.00
2	T	Dichlorodifluoromethane	50.000	43.772	12.5	104	0.00
3	P	Chloromethane	50.000	42.883	14.2	102	0.00
4	C	Vinyl Chloride	50.000	42.715	14.6#	101	0.00
5	T	Bromomethane	50.000	40.910	18.2	96	0.00
6	T	Chloroethane	50.000	42.299	15.4	103	0.00
7	T	Trichlorofluoromethane	50.000	43.956	12.1	104	0.00
8	T	Diethyl Ether	50.000	42.846	14.3	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	44.706	10.6	109	0.00
10	T	Methyl Iodide	50.000	46.259	7.5	98	0.00
11	T	Tert butyl alcohol	250.000	206.633	17.3	90	0.00
12	CM	1,1-Dichloroethene	50.000	45.317	9.4#	101	0.00
13	T	Acrolein	250.000	244.765	2.1	97	0.00
14	T	Allyl chloride	50.000	44.501	11.0	101	0.00
15	T	Acrylonitrile	250.000	227.920	8.8	99	0.00
16	T	Acetone	250.000	213.971	14.4	98	0.00
17	T	Carbon Disulfide	50.000	41.342	17.3	102	0.00
18	T	Methyl Acetate	50.000	45.028	9.9	100	0.00
19	T	Methyl tert-butyl Ether	50.000	47.768	4.5	98	0.00
20	T	Methylene Chloride	50.000	43.017	14.0	97	0.00
21	T	trans-1,2-Dichloroethene	50.000	44.672	10.7	102	0.00
22	T	Diisopropyl ether	50.000	46.996	6.0	98	0.00
23	T	Vinyl Acetate	250.000	247.459	1.0	99	0.00
24	P	1,1-Dichloroethane	50.000	44.114	11.8	98	0.00
25	T	2-Butanone	250.000	228.924	8.4	99	0.00
26	T	2,2-Dichloropropane	50.000	47.593	4.8	107	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.446	9.1	99	0.00
28	T	Bromochloromethane	50.000	44.122	11.8	98	0.00
29	T	Tetrahydrofuran	250.000	239.065	4.4	98	0.00
30	C	Chloroform	50.000	44.071	11.9#	101	0.00
31	T	Cyclohexane	50.000	42.878	14.2	110	0.00
32	T	1,1,1-Trichloroethane	50.000	44.332	11.3	103	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.782	0.4	107	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	109	0.00
35	S	Dibromofluoromethane	50.000	50.768	-1.5	107	0.00
36	T	1,1-Dichloropropene	50.000	44.863	10.3	103	0.00
37	T	Ethyl Acetate	50.000	44.123	11.8	97	0.00
38	T	Carbon Tetrachloride	50.000	44.456	11.1	102	0.00
39	T	Methylcyclohexane	50.000	49.687	0.6	107	0.00
40	TM	Benzene	50.000	45.657	8.7	100	0.00
41	T	Methacrylonitrile	50.000	47.155	5.7	97	0.00
42	TM	1,2-Dichloroethane	50.000	45.481	9.0	100	0.00
43	T	Isopropyl Acetate	50.000	45.440	9.1	96	0.00
44	TM	Trichloroethene	50.000	43.622	12.8	100	0.00
45	C	1,2-Dichloropropane	50.000	44.744	10.5#	98	0.00
46	T	Dibromomethane	50.000	44.214	11.6	97	0.00
47	T	Bromodichloromethane	50.000	45.655	8.7	98	0.00
48	T	Methyl methacrylate	50.000	49.948	0.1	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 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	792.760	20.7	81	0.00
50	S	Toluene-d8	50.000	52.302	-4.6	111	0.00
51	T	4-Methyl-2-Pentanone	250.000	245.877	1.6	99	0.00
52	CM	Toluene	50.000	48.073	3.9#	102	0.00
53	T	t-1,3-Dichloropropene	50.000	47.757	4.5	98	0.00
54	T	cis-1,3-Dichloropropene	50.000	47.783	4.4	98	0.00
55	T	1,1,2-Trichloroethane	50.000	46.173	7.7	99	0.00
56	T	Ethyl methacrylate	50.000	43.762	12.5	99	0.00
57	T	1,3-Dichloropropane	50.000	46.877	6.2	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	256.116	-2.4	99	0.00
59	T	2-Hexanone	250.000	251.213	-0.5	99	0.00
60	T	Dibromochloromethane	50.000	45.935	8.1	98	0.00
61	T	1,2-Dibromoethane	50.000	44.837	10.3	98	0.00
62	S	4-Bromofluorobenzene	50.000	52.899	-5.8	108	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	108	0.00
64	T	Tetrachloroethene	50.000	44.886	10.2	102	0.00
65	PM	Chlorobenzene	50.000	45.901	8.2	101	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	44.712	10.6	99	0.00
67	C	Ethyl Benzene	50.000	50.391	-0.8#	104	0.00
68	T	m/p-Xylenes	100.000	103.341	-3.3	104	0.00
69	T	o-Xylene	50.000	52.093	-4.2	104	0.00
70	T	Styrene	50.000	53.103	-6.2	102	0.00
71	P	Bromoform	50.000	49.119	1.8	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	108	0.00
73	T	Isopropylbenzene	50.000	49.951	0.1	106	0.00
74	T	N-amyl acetate	50.000	48.730	2.5	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	43.627	12.7	98	0.00
76	T	1,2,3-Trichloropropane	50.000	41.891	16.2	103	0.00
77	T	Bromobenzene	50.000	46.138	7.7	103	0.00
78	T	n-propylbenzene	50.000	51.001	-2.0	106	0.00
79	T	2-Chlorotoluene	50.000	47.870	4.3	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.604	-3.2	106	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.226	1.5	103	0.00
82	T	4-Chlorotoluene	50.000	48.776	2.4	105	0.00
83	T	tert-Butylbenzene	50.000	50.997	-2.0	106	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.922	-3.8	103	0.00
85	T	sec-Butylbenzene	50.000	51.777	-3.6	106	0.00
86	T	p-Isopropyltoluene	50.000	47.795	4.4	105	0.00
87	T	1,3-Dichlorobenzene	50.000	45.920	8.2	103	0.00
88	T	1,4-Dichlorobenzene	50.000	44.102	11.8	103	0.00
89	T	n-Butylbenzene	50.000	50.578	-1.2	103	0.00
90	T	Hexachloroethane	50.000	45.215	9.6	105	0.00
91	T	1,2-Dichlorobenzene	50.000	45.113	9.8	102	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.221	7.6	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.739	8.5	95	0.00
94	T	Hexachlorobutadiene	50.000	42.112	15.8	99	0.00
95	T	Naphthalene	50.000	47.116	5.8	92	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085445.D
Acq On : 14 Jan 2025 18:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011425

Quant Time: Jan 15 02:20:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 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	44.551	10.9	93	0.00

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

Alliance TECHNICAL GROUP
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.: Q1282 SAS No.: Q1282 SDG No.: Q1282

Instrument ID: MSVOA_N Calibration Date/Time: 02/04/2025 11:05

Lab File ID: VN085645.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Methyl tert-butyl Ether	1.742	1.918		10.1	20
Carbon Tetrachloride	0.557	0.585		5.03	20
Chloroform	1.218	1.257		3.2	20
1,1,1-Trichloroethane	1.068	1.122		5.06	20
Benzene	1.463	1.643		12.3	20
Toluene	0.848	1.020		20.28	20
Tetrachloroethene	0.341	0.397		16.42	20
Ethyl Benzene	1.784	2.118		18.72	20
m/p-Xylenes	0.659	0.839		27.31	20
o-Xylene	0.630	0.781		23.97	20
1,2-Dichloroethane-d4	0.807	0.771		-4.46	20
Dibromofluoromethane	0.347	0.369		6.34	20
Toluene-d8	1.232	1.373		11.44	20
4-Bromofluorobenzene	0.422	0.472		11.85	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\VN020425\
Data File : VN085645.D
Acq On : 04 Feb 2025 11:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 05 01:01:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	200704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	345148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	157058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154798	47.780	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.560%			
35) Dibromofluoromethane	8.165	113	127274	53.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.300%			
50) Toluene-d8	10.565	98	473979	55.713	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.420%			
62) 4-Bromofluorobenzene	12.847	95	163009	56.013	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	168819	62.124	ug/l	98
3) Chloromethane	2.359	50	151639	51.538	ug/l	99
4) Vinyl Chloride	2.512	62	185363	62.678	ug/l	98
5) Bromomethane	2.942	94	115992	64.931	ug/l	95
6) Chloroethane	3.118	64	116980	62.391	ug/l	98
7) Trichlorofluoromethane	3.495	101	227801	53.087	ug/l	99
8) Diethyl Ether	3.959	74	75659	51.037	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.371	101	136051	56.291	ug/l	97
10) Methyl Iodide	4.589	142	171090	61.814	ug/l	96
11) Tert butyl alcohol	5.518	59	90596	244.210	ug/l	100
12) 1,1-Dichloroethene	4.336	96	124529	57.812	ug/l	91
13) Acrolein	4.177	56	85431	168.697	ug/l	99
14) Allyl chloride	5.024	41	157091	44.944	ug/l #	94
15) Acrylonitrile	5.718	53	303850	257.863	ug/l	99
16) Acetone	4.424	43	236574	225.997	ug/l	94
17) Carbon Disulfide	4.712	76	378039	57.001	ug/l	98
18) Methyl Acetate	5.018	43	143957	45.225	ug/l	92
19) Methyl tert-butyl Ether	5.795	73	384956	55.039	ug/l	98
20) Methylene Chloride	5.277	84	141744	54.697	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	132371	57.502	ug/l	94
22) Diisopropyl ether	6.671	45	381754	49.208	ug/l	97
23) Vinyl Acetate	6.600	43	1409531	259.616	ug/l	95
24) 1,1-Dichloroethane	6.565	63	245805	51.962	ug/l	98
25) 2-Butanone	7.477	43	372307	241.685	ug/l	91
26) 2,2-Dichloropropane	7.489	77	220150	57.562	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	155112	57.208	ug/l	93
28) Bromochloromethane	7.806	49	95572	43.426	ug/l	87
29) Tetrahydrofuran	7.836	42	249949	255.923	ug/l	89
30) Chloroform	7.965	83	252335	51.611	ug/l	100
31) Cyclohexane	8.253	56	204306	49.690	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	225191	52.509	ug/l	96
36) 1,1-Dichloropropene	8.371	75	183927	54.731	ug/l	98
37) Ethyl Acetate	7.559	43	159199	46.933	ug/l	98
38) Carbon Tetrachloride	8.359	117	202078	52.524	ug/l	99
39) Methylcyclohexane	9.600	83	195859	62.021	ug/l	93
40) Benzene	8.606	78	567137	56.166	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085645.D
Acq On : 04 Feb 2025 11:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 05 01:01:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	81539	46.204	ug/l		91
42) 1,2-Dichloroethane	8.671	62	185776	48.850	ug/l		97
43) Isopropyl Acetate	8.688	43	271553	49.962	ug/l		95
44) Trichloroethene	9.347	130	131785	56.068	ug/l		100
45) 1,2-Dichloropropane	9.618	63	137051	53.137	ug/l		99
46) Dibromomethane	9.706	93	97554	52.419	ug/l		96
47) Bromodichloromethane	9.882	83	202509	53.411	ug/l		98
48) Methyl methacrylate	9.677	41	122409	50.045	ug/l		89
49) 1,4-Dioxane	9.694	88	47051	1142.294	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.441	43	800853	253.917	ug/l		94
52) Toluene	10.629	92	351922	60.150	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	204407	57.048	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	221256	57.810	ug/l	#	90
55) 1,1,2-Trichloroethane	11.012	97	129296	55.842	ug/l		99
56) Ethyl methacrylate	10.871	69	199066	50.997	ug/l		90
57) 1,3-Dichloropropane	11.159	76	225579	56.030	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	335470	228.313	ug/l		97
59) 2-Hexanone	11.194	43	580109	261.399	ug/l		91
60) Dibromochloromethane	11.359	129	152370	54.508	ug/l		98
61) 1,2-Dibromoethane	11.465	107	129588	56.226	ug/l		99
64) Tetrachloroethene	11.100	164	122776	58.273	ug/l		96
65) Chlorobenzene	11.888	112	380252	56.165	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	133801	53.847	ug/l		100
67) Ethyl Benzene	11.959	91	654450	59.349	ug/l		97
68) m/p-Xylenes	12.071	106	518534	127.234	ug/l		95
69) o-Xylene	12.394	106	241242	61.940	ug/l		96
70) Styrene	12.412	104	419116	65.022	ug/l		97
71) Bromoform	12.576	173	99802	56.133	ug/l	#	98
73) Isopropylbenzene	12.694	105	606175	57.186	ug/l		99
74) N-amyl acetate	12.494	43	234045	49.123	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.935	83	188424	50.322	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	153753m	48.165	ug/l		
77) Bromobenzene	12.976	156	148155	53.497	ug/l		95
78) n-propylbenzene	13.035	91	731968	58.330	ug/l		99
79) 2-Chlorotoluene	13.123	91	439835	54.157	ug/l		96
80) 1,3,5-Trimethylbenzene	13.171	105	514612	58.774	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	68031	57.659	ug/l	#	81
82) 4-Chlorotoluene	13.218	91	445323	55.070	ug/l		97
83) tert-Butylbenzene	13.435	119	411462	55.960	ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	519388	59.518	ug/l		98
85) sec-Butylbenzene	13.612	105	605413	59.408	ug/l		99
86) p-Isopropyltoluene	13.729	119	506039	54.534	ug/l		97
87) 1,3-Dichlorobenzene	13.729	146	277733	54.455	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	278955	52.768	ug/l		97
89) n-Butylbenzene	14.053	91	429742	58.781	ug/l		99
90) Hexachloroethane	14.329	117	98723	50.887	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	266234	52.333	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33244	48.620	ug/l		93
93) 1,2,4-Trichlorobenzene	15.388	180	124629	52.709	ug/l		98
94) Hexachlorobutadiene	15.500	225	60840	48.466	ug/l		99
95) Naphthalene	15.641	128	394392	55.897	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	125197	52.330	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085645.D
Acq On : 04 Feb 2025 11:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 05 01:01:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

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

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

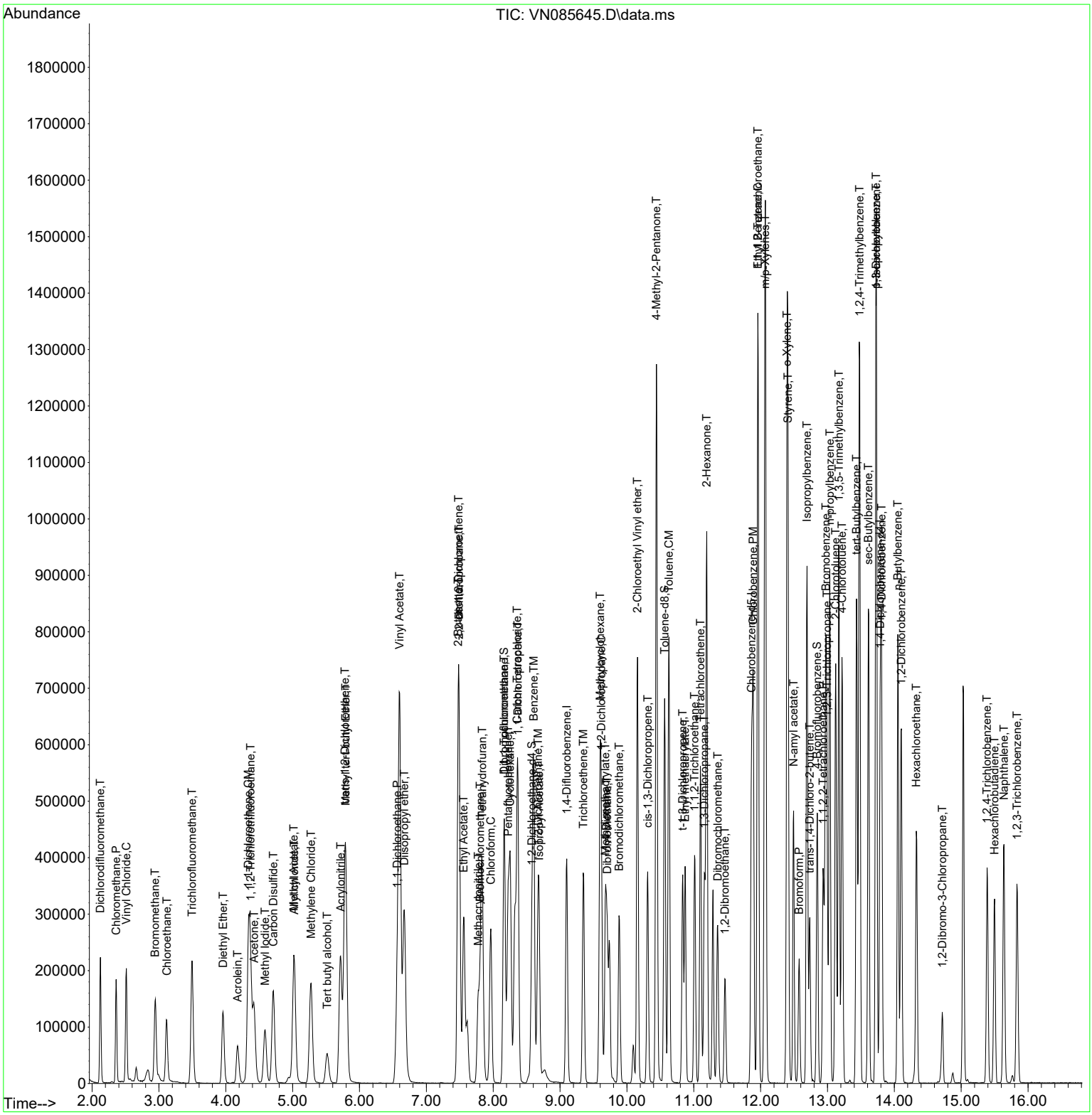
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085645.D
Acq On : 04 Feb 2025 11:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 05 01:01:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025



Sample Results: **VN085645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085645.D
Acq On : 04 Feb 2025 11:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 05 01:01:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 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	101	0.00
2	T	Dichlorodifluoromethane	0.677	0.841	-24.2	135	0.00
3	P	Chloromethane	0.733	0.756	-3.1	112	0.00
4	C	Vinyl Chloride	0.737	0.924	-25.4#	135	0.00
5	T	Bromomethane	0.445	0.578	-29.9#	139	-0.01
6	T	Chloroethane	0.467	0.583	-24.8	138	0.00
7	T	Trichlorofluoromethane	1.069	1.135	-6.2	115	0.00
8	T	Diethyl Ether	0.369	0.377	-2.2	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.602	0.678	-12.6	126	0.00
10	T	Methyl Iodide	0.690	0.852	-23.5	119	0.00
11	T	Tert butyl alcohol	0.092	0.090	2.2	98	0.00
12	CM	1,1-Dichloroethene	0.537	0.620	-15.5#	117	0.00
13	T	Acrolein	0.126	0.085	32.5#	61	0.00
14	T	Allyl chloride	0.871	0.783	10.1	93	0.00
15	T	Acrylonitrile	0.294	0.303	-3.1	102	0.00
16	T	Acetone	0.261	0.236	9.6	94	0.00
17	T	Carbon Disulfide	1.652	1.884	-14.0	128	0.00
18	T	Methyl Acetate	0.793	0.717	9.6	91	0.00
19	T	Methyl tert-butyl Ether	1.742	1.918	-10.1	103	0.00
20	T	Methylene Chloride	0.646	0.706	-9.3	113	0.00
21	T	trans-1,2-Dichloroethene	0.573	0.660	-15.2	120	0.00
22	T	Diisopropyl ether	1.933	1.902	1.6	94	0.00
23	T	Vinyl Acetate	1.353	1.405	-3.8	95	0.00
24	P	1,1-Dichloroethane	1.178	1.225	-4.0	105	0.00
25	T	2-Butanone	0.384	0.371	3.4	96	0.00
26	T	2,2-Dichloropropane	0.953	1.097	-15.1	118	0.00
27	T	cis-1,2-Dichloroethene	0.675	0.773	-14.5	114	0.00
28	T	Bromochloromethane	0.548	0.476	13.1	88	0.00
29	T	Tetrahydrofuran	0.243	0.249	-2.5	96	0.00
30	C	Chloroform	1.218	1.257	-3.2#	108	0.00
31	T	Cyclohexane	1.024	1.018	0.6	116	0.00
32	T	1,1,1-Trichloroethane	1.068	1.122	-5.1	111	0.00
33	S	1,2-Dichloroethane-d4	0.807	0.771	4.5	93	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35	S	Dibromofluoromethane	0.347	0.369	-6.3	105	0.00
36	T	1,1-Dichloropropene	0.487	0.533	-9.4	117	0.00
37	T	Ethyl Acetate	0.491	0.461	6.1	96	0.00
38	T	Carbon Tetrachloride	0.557	0.585	-5.0	112	0.00
39	T	Methylcyclohexane	0.457	0.567	-24.1	125	0.00
40	TM	Benzene	1.463	1.643	-12.3	115	0.00
41	T	Methacrylonitrile	0.256	0.236	7.8	89	0.00
42	TM	1,2-Dichloroethane	0.551	0.538	2.4	100	0.00
43	T	Isopropyl Acetate	0.787	0.787	0.0	98	0.00
44	TM	Trichloroethene	0.341	0.382	-12.0	120	0.00
45	C	1,2-Dichloropropane	0.374	0.397	-6.1#	109	0.00
46	T	Dibromomethane	0.270	0.283	-4.8	108	0.00
47	T	Bromodichloromethane	0.549	0.587	-6.9	107	0.00
48	T	Methyl methacrylate	0.354	0.355	-0.3	92	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085645.D
Acq On : 04 Feb 2025 11:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 05 01:01:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 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	0.006	0.007	-16.7	109	0.00
50	S	Toluene-d8	1.232	1.373	-11.4	110	0.00
51	T	4-Methyl-2-Pentanone	0.457	0.464	-1.5	96	0.00
52	CM	Toluene	0.848	1.020	-20.3#	119	0.00
53	T	t-1,3-Dichloropropene	0.519	0.592	-14.1	109	0.00
54	T	cis-1,3-Dichloropropene	0.554	0.641	-15.7	111	0.00
55	T	1,1,2-Trichloroethane	0.335	0.375	-11.9	112	0.00
56	T	Ethyl methacrylate	0.469	0.577	-23.0	108	0.00
57	T	1,3-Dichloropropane	0.583	0.654	-12.2	110	0.00
58	T	2-Chloroethyl Vinyl ether	0.213	0.194	8.9	82	0.00
59	T	2-Hexanone	0.321	0.336	-4.7	96	0.00
60	T	Dibromochloromethane	0.405	0.441	-8.9	108	0.00
61	T	1,2-Dibromoethane	0.334	0.375	-12.3	114	0.00
62	S	4-Bromofluorobenzene	0.422	0.472	-11.8	107	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.341	0.397	-16.4	128	0.00
65	PM	Chlorobenzene	1.095	1.230	-12.3	119	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.433	-7.7	115	0.00
67	C	Ethyl Benzene	1.784	2.118	-18.7#	118	0.00
68	T	m/p-Xylenes	0.659	0.839	-27.3#	123	0.00
69	T	o-Xylene	0.630	0.781	-24.0	119	0.00
70	T	Styrene	1.043	1.356	-30.0#	120	0.00
71	P	Bromoform	0.288	0.323	-12.2	108	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73	T	Isopropylbenzene	3.375	3.860	-14.4	120	0.00
74	T	N-amyl acetate	1.517	1.490	1.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	1.192	1.200	-0.7	112	0.00
76	T	1,2,3-Trichloropropane	1.016	0.979	3.6	117	0.00
77	T	Bromobenzene	0.882	0.943	-6.9	118	0.00
78	T	n-propylbenzene	3.995	4.660	-16.6	120	0.00
79	T	2-Chlorotoluene	2.586	2.800	-8.3	116	0.00
80	T	1,3,5-Trimethylbenzene	2.787	3.277	-17.6	119	0.00
81	T	trans-1,4-Dichloro-2-butene	0.376	0.433	-15.2	119	0.00
82	T	4-Chlorotoluene	2.574	2.835	-10.1	117	0.00
83	T	tert-Butylbenzene	2.341	2.620	-11.9	115	0.00
84	T	1,2,4-Trimethylbenzene	2.778	3.307	-19.0	117	0.00
85	T	sec-Butylbenzene	3.244	3.855	-18.8	121	0.00
86	T	p-Isopropyltoluene	2.631	3.222	-22.5	120	0.00
87	T	1,3-Dichlorobenzene	1.624	1.768	-8.9	121	0.00
88	T	1,4-Dichlorobenzene	1.683	1.776	-5.5	122	0.00
89	T	n-Butylbenzene	2.327	2.736	-17.6	118	0.00
90	T	Hexachloroethane	0.618	0.629	-1.8	117	0.00
91	T	1,2-Dichlorobenzene	1.620	1.695	-4.6	117	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.218	0.212	2.8	102	0.00
93	T	1,2,4-Trichlorobenzene	0.753	0.794	-5.4	109	0.00
94	T	Hexachlorobutadiene	0.400	0.387	3.3	113	0.00
95	T	Naphthalene	2.246	2.511	-11.8	108	0.00

Sample Results: **VN085645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085645.D
Acq On : 04 Feb 2025 11:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 05 01:01:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 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	0.762	0.797	-4.6	109	0.00

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

Sample Results: **VN085645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085645.D
Acq On : 04 Feb 2025 11:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 05 01:01:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 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	101	0.00
2	T	Dichlorodifluoromethane	50.000	62.124	-24.2	135	0.00
3	P	Chloromethane	50.000	51.538	-3.1	112	0.00
4	C	Vinyl Chloride	50.000	62.678	-25.4#	135	0.00
5	T	Bromomethane	50.000	64.931	-29.9#	139	-0.01
6	T	Chloroethane	50.000	62.391	-24.8	138	0.00
7	T	Trichlorofluoromethane	50.000	53.087	-6.2	115	0.00
8	T	Diethyl Ether	50.000	51.037	-2.1	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	56.291	-12.6	126	0.00
10	T	Methyl Iodide	50.000	61.814	-23.6	119	0.00
11	T	Tert butyl alcohol	250.000	244.210	2.3	98	0.00
12	CM	1,1-Dichloroethene	50.000	57.812	-15.6#	117	0.00
13	T	Acrolein	250.000	168.697	32.5#	61	0.00
14	T	Allyl chloride	50.000	44.944	10.1	93	0.00
15	T	Acrylonitrile	250.000	257.863	-3.1	102	0.00
16	T	Acetone	250.000	225.997	9.6	94	0.00
17	T	Carbon Disulfide	50.000	57.001	-14.0	128	0.00
18	T	Methyl Acetate	50.000	45.225	9.5	91	0.00
19	T	Methyl tert-butyl Ether	50.000	55.039	-10.1	103	0.00
20	T	Methylene Chloride	50.000	54.697	-9.4	113	0.00
21	T	trans-1,2-Dichloroethene	50.000	57.502	-15.0	120	0.00
22	T	Diisopropyl ether	50.000	49.208	1.6	94	0.00
23	T	Vinyl Acetate	250.000	259.616	-3.8	95	0.00
24	P	1,1-Dichloroethane	50.000	51.962	-3.9	105	0.00
25	T	2-Butanone	250.000	241.685	3.3	96	0.00
26	T	2,2-Dichloropropane	50.000	57.562	-15.1	118	0.00
27	T	cis-1,2-Dichloroethene	50.000	57.208	-14.4	114	0.00
28	T	Bromochloromethane	50.000	43.426	13.1	88	0.00
29	T	Tetrahydrofuran	250.000	255.923	-2.4	96	0.00
30	C	Chloroform	50.000	51.611	-3.2#	108	0.00
31	T	Cyclohexane	50.000	49.690	0.6	116	0.00
32	T	1,1,1-Trichloroethane	50.000	52.509	-5.0	111	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.780	4.4	93	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35	S	Dibromofluoromethane	50.000	53.153	-6.3	105	0.00
36	T	1,1-Dichloropropene	50.000	54.731	-9.5	117	0.00
37	T	Ethyl Acetate	50.000	46.933	6.1	96	0.00
38	T	Carbon Tetrachloride	50.000	52.524	-5.0	112	0.00
39	T	Methylcyclohexane	50.000	62.021	-24.0	125	0.00
40	TM	Benzene	50.000	56.166	-12.3	115	0.00
41	T	Methacrylonitrile	50.000	46.204	7.6	89	0.00
42	TM	1,2-Dichloroethane	50.000	48.850	2.3	100	0.00
43	T	Isopropyl Acetate	50.000	49.962	0.1	98	0.00
44	TM	Trichloroethene	50.000	56.068	-12.1	120	0.00
45	C	1,2-Dichloropropane	50.000	53.137	-6.3#	109	0.00
46	T	Dibromomethane	50.000	52.419	-4.8	108	0.00
47	T	Bromodichloromethane	50.000	53.411	-6.8	107	0.00
48	T	Methyl methacrylate	50.000	50.045	-0.1	92	0.00

Sample Results: **VN085645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085645.D
Acq On : 04 Feb 2025 11:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 05 01:01:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 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	1142.294	-14.2	109	0.00
50	S	Toluene-d8	50.000	55.713	-11.4	110	0.00
51	T	4-Methyl-2-Pentanone	250.000	253.917	-1.6	96	0.00
52	CM	Toluene	50.000	60.150	-20.3#	119	0.00
53	T	t-1,3-Dichloropropene	50.000	57.048	-14.1	109	0.00
54	T	cis-1,3-Dichloropropene	50.000	57.810	-15.6	111	0.00
55	T	1,1,2-Trichloroethane	50.000	55.842	-11.7	112	0.00
56	T	Ethyl methacrylate	50.000	50.997	-2.0	108	0.00
57	T	1,3-Dichloropropane	50.000	56.030	-12.1	110	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	228.313	8.7	82	0.00
59	T	2-Hexanone	250.000	261.399	-4.6	96	0.00
60	T	Dibromochloromethane	50.000	54.508	-9.0	108	0.00
61	T	1,2-Dibromoethane	50.000	56.226	-12.5	114	0.00
62	S	4-Bromofluorobenzene	50.000	56.013	-12.0	107	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	58.273	-16.5	128	0.00
65	PM	Chlorobenzene	50.000	56.165	-12.3	119	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.847	-7.7	115	0.00
67	C	Ethyl Benzene	50.000	59.349	-18.7#	118	0.00
68	T	m/p-Xylenes	100.000	127.234	-27.2#	123	0.00
69	T	o-Xylene	50.000	61.940	-23.9	119	0.00
70	T	Styrene	50.000	65.022	-30.0#	120	0.00
71	P	Bromoform	50.000	56.133	-12.3	108	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73	T	Isopropylbenzene	50.000	57.186	-14.4	120	0.00
74	T	N-amyl acetate	50.000	49.123	1.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.322	-0.6	112	0.00
76	T	1,2,3-Trichloropropane	50.000	48.165	3.7	117	0.00
77	T	Bromobenzene	50.000	53.497	-7.0	118	0.00
78	T	n-propylbenzene	50.000	58.330	-16.7	120	0.00
79	T	2-Chlorotoluene	50.000	54.157	-8.3	116	0.00
80	T	1,3,5-Trimethylbenzene	50.000	58.774	-17.5	119	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	57.659	-15.3	119	0.00
82	T	4-Chlorotoluene	50.000	55.070	-10.1	117	0.00
83	T	tert-Butylbenzene	50.000	55.960	-11.9	115	0.00
84	T	1,2,4-Trimethylbenzene	50.000	59.518	-19.0	117	0.00
85	T	sec-Butylbenzene	50.000	59.408	-18.8	121	0.00
86	T	p-Isopropyltoluene	50.000	54.534	-9.1	120	0.00
87	T	1,3-Dichlorobenzene	50.000	54.455	-8.9	121	0.00
88	T	1,4-Dichlorobenzene	50.000	52.768	-5.5	122	0.00
89	T	n-Butylbenzene	50.000	58.781	-17.6	118	0.00
90	T	Hexachloroethane	50.000	50.887	-1.8	117	0.00
91	T	1,2-Dichlorobenzene	50.000	52.333	-4.7	117	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.620	2.8	102	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.709	-5.4	109	0.00
94	T	Hexachlorobutadiene	50.000	48.466	3.1	113	0.00
95	T	Naphthalene	50.000	55.897	-11.8	108	0.00

Sample Results: **VN085645.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085645.D
Acq On : 04 Feb 2025 11:05
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Feb 05 01:01:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 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	52.330	-4.7	109	0.00

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

QC SAMPLE DATA

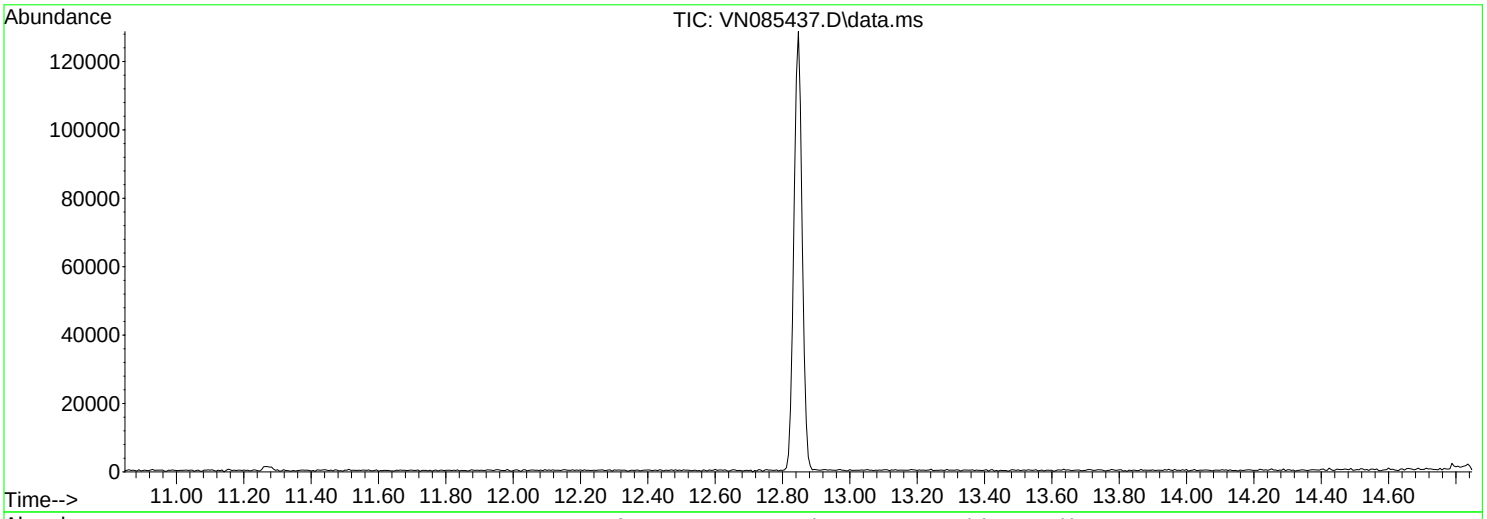
Sample Results: **VN085437.D**

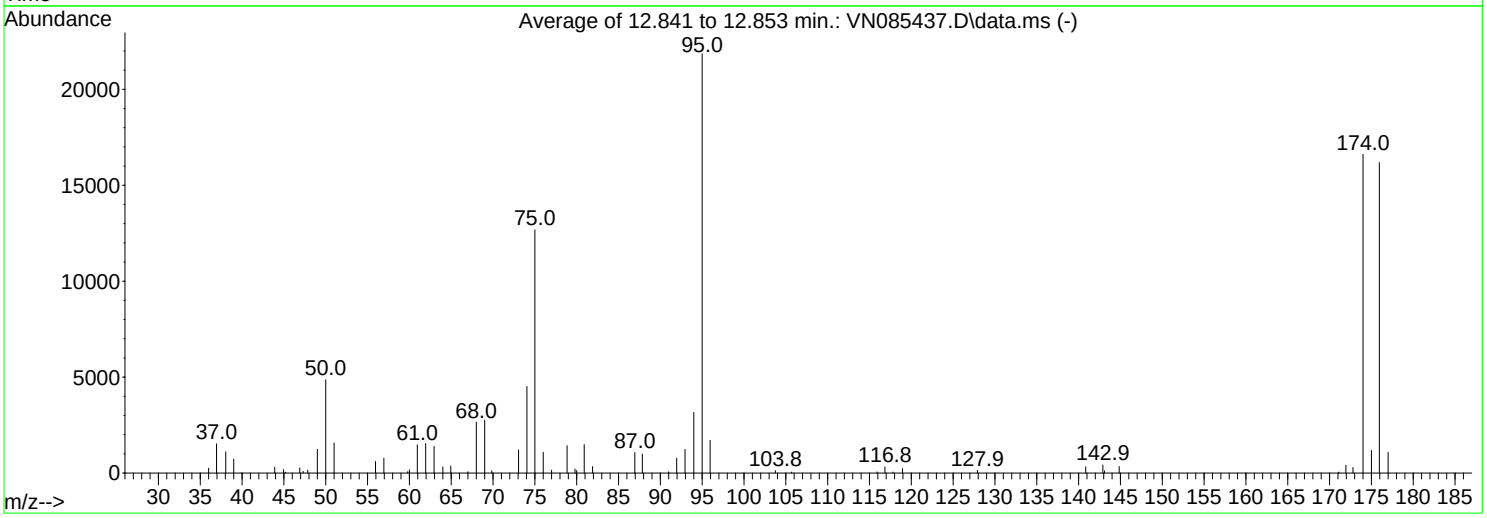
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011425\
Data File : VN085437.D
Acq On : 14 Jan 2025 14:22
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260
Last Update : Wed Jan 15 02:16:08 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	22.3	4864	PASS
75	95	30	60	58.0	12679	PASS
95	95	100	100	100.0	21856	PASS
96	95	5	9	7.8	1703	PASS
173	174	0.00	2	1.8	296	PASS
174	95	50	100	76.0	16613	PASS
175	174	5	9	7.1	1179	PASS
176	174	95	101	97.4	16185	PASS
177	176	5	9	6.7	1079	PASS

Average of 12.841 to 12.853 min.: VN085437.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	254	49.00	1237	64.95	364	79.80	211
36.95	1525	50.00	4864	67.00	71	80.00	136
38.05	1107	51.00	1571	68.00	2658	80.90	1487
39.00	730	55.95	608	69.00	2763	81.90	338
39.90	5	56.95	779	69.85	123	86.95	1072
43.90	302	59.80	76	73.05	1212	87.85	997
44.95	180	60.00	170	74.05	4514	91.00	68
45.20	50	60.95	1471	75.00	12679	91.95	773
46.90	269	61.95	1539	76.00	1086	92.95	1234
47.30	94	62.95	1390	77.00	153	94.00	3163
47.85	154	64.00	325	78.85	1426	95.00	21856

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN085437.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.95	1703	144.85	346				
103.75	127	171.10	56				
105.70	51	171.95	407				
115.90	59	172.80	296				
116.85	327	174.00	16613				
117.80	58	175.00	1179				
118.95	233	175.95	16185				
127.90	145	177.00	1079				
140.85	328						
142.90	422						
143.10	115						

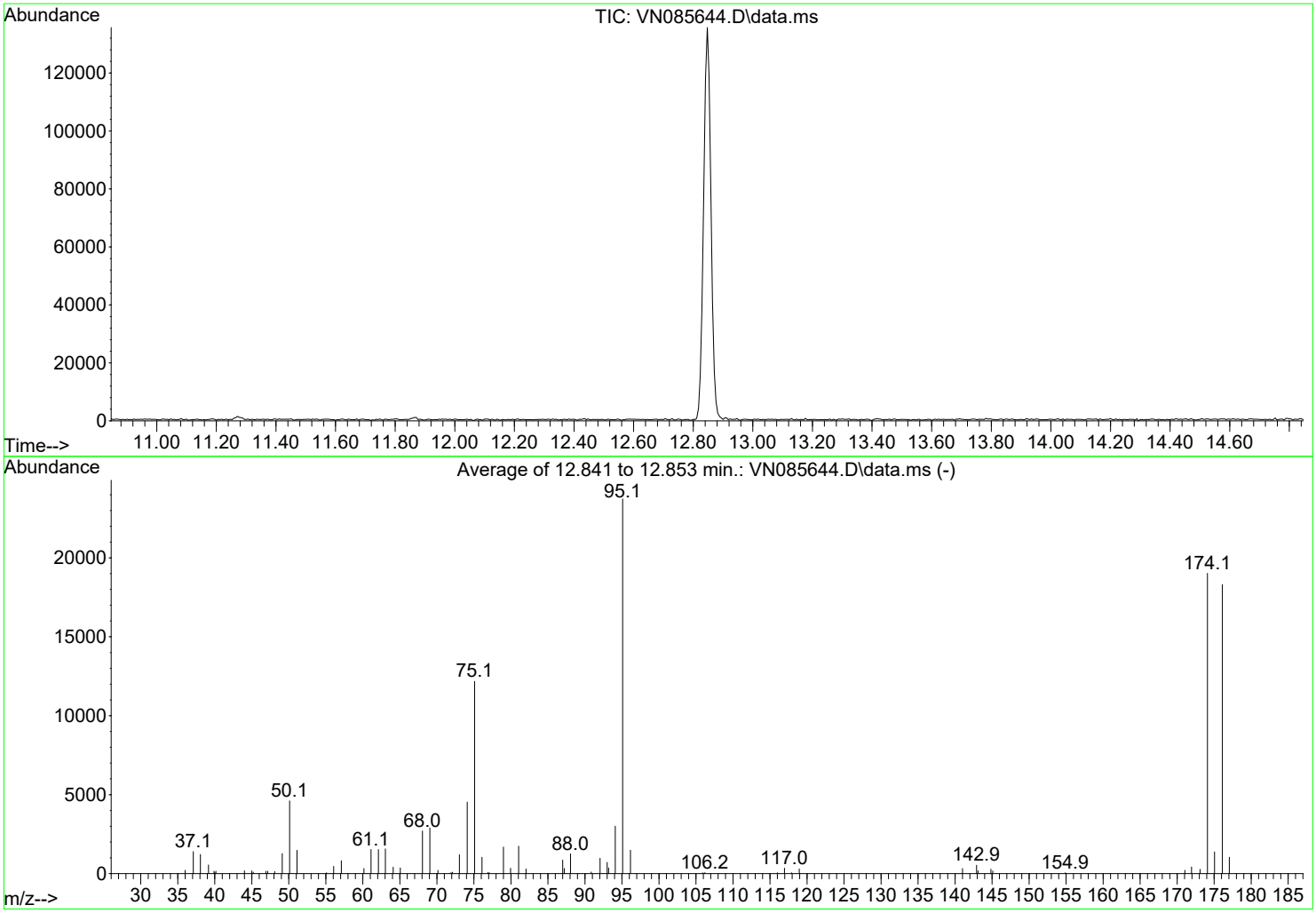
Sample Results: **VN085644.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085644.D
Acq On : 04 Feb 2025 09:55
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\82N011425W.M
Title : SW846 8260
Last Update : Wed Jan 15 02:16:08 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	19.4	4605	PASS
75	95	30	60	51.3	12174	PASS
95	95	100	100	100.0	23728	PASS
96	95	5	9	6.3	1483	PASS
173	174	0.00	2	1.4	274	PASS
174	95	50	100	80.1	19016	PASS
175	174	5	9	7.2	1374	PASS
176	174	95	101	96.3	18307	PASS
177	176	5	9	5.7	1035	PASS

Average of 12.841 to 12.853 min.: VN085644.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	203	47.15	152	63.05	1569	76.10	103
37.10	1397	48.10	133	64.10	406	76.90	7
38.05	1215	49.10	1273	65.05	361	77.10	5
39.15	549	50.10	4605	68.05	2699	79.00	168
39.90	155	51.10	1478	69.05	2899	79.95	343
40.00	71	55.10	51	70.15	210	81.05	1741
40.15	151	56.05	461	71.90	59	82.05	293
44.00	181	57.10	816	72.10	91	87.00	867
45.00	171	60.15	321	73.05	1198	87.20	320
45.20	92	61.10	1529	74.10	4528	88.05	1251
46.90	157	62.10	1522	75.10	12174	90.85	102

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN085644.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.05	972	118.95	300	175.05	1374		
93.00	714	141.00	324	176.10	18307		
93.20	356	142.90	533	177.05	1035		
94.10	3005	143.10	179				
95.10	23728	144.85	279				
96.15	1483	145.10	170				
105.90	53	154.90	57				
106.20	61	171.05	211				
116.00	54	171.95	423				
116.95	344	173.10	274				
117.90	53	174.10	19016				

Raw Data: **VN085647.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0204WBL01	SDG No.:	Q1282
Lab Sample ID:	VN0204WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085647.D	1		02/04/25 12:31	VN020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
1330-20-7	Total Xylenes	0.45	U	0.45	3.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	198000	8.224			
540-36-3	1,4-Difluorobenzene	379000	9.1			
3114-55-4	Chlorobenzene-d5	329000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	132000	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\VN020425\
Data File : VN085647.D
Acq On : 04 Feb 2025 12:31
Operator : JC\MD
Sample : VN0204WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBL01

Quant Time: Feb 05 01:02:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	197983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	379434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	328690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	159588	49.936	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.880%			
35) Dibromofluoromethane	8.165	113	132313	50.264	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.520%			
50) Toluene-d8	10.565	98	460162	49.201	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.400%			
62) 4-Bromofluorobenzene	12.847	95	141527	44.237	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.480%			

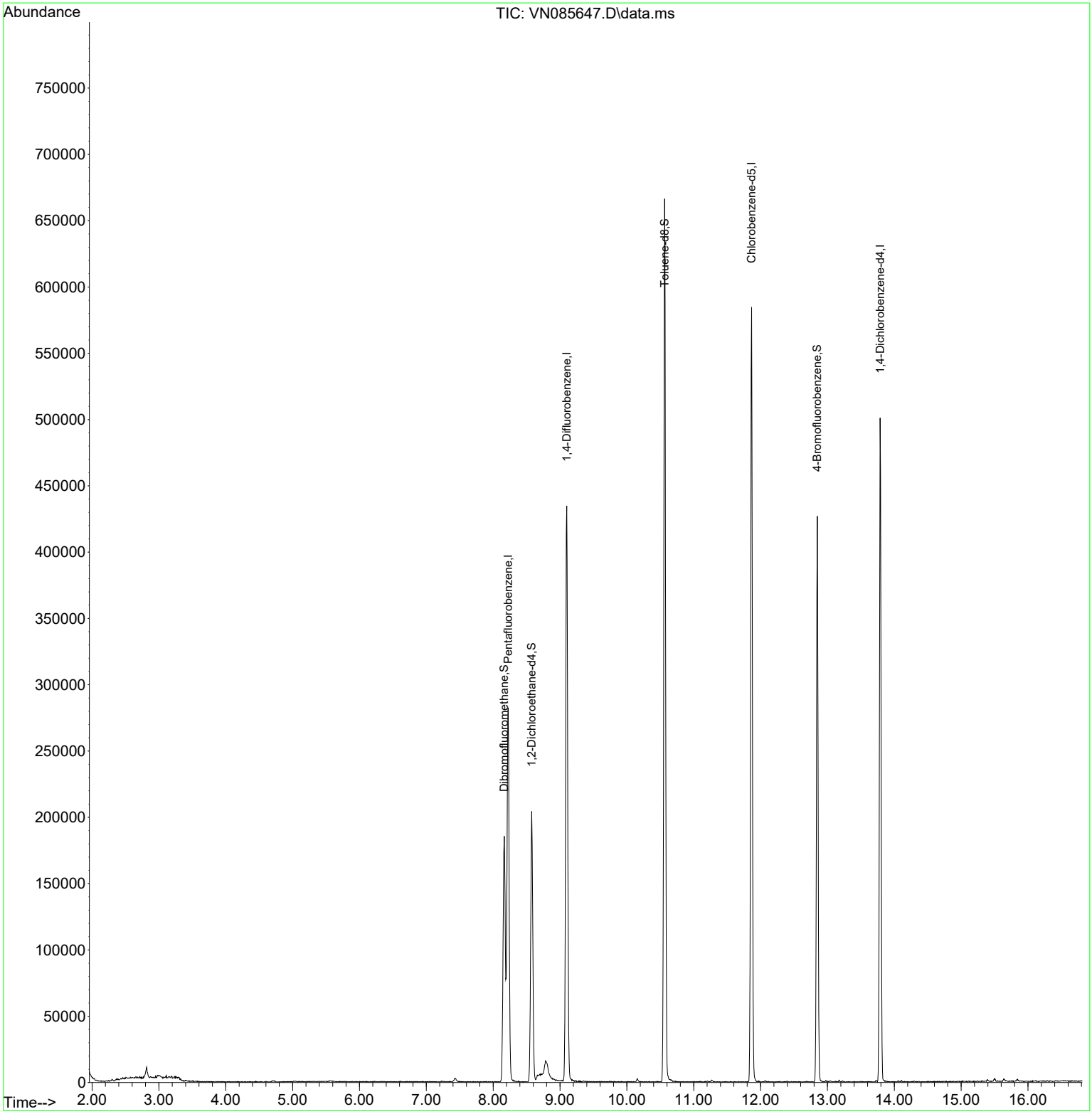
Target Compounds Qvalue

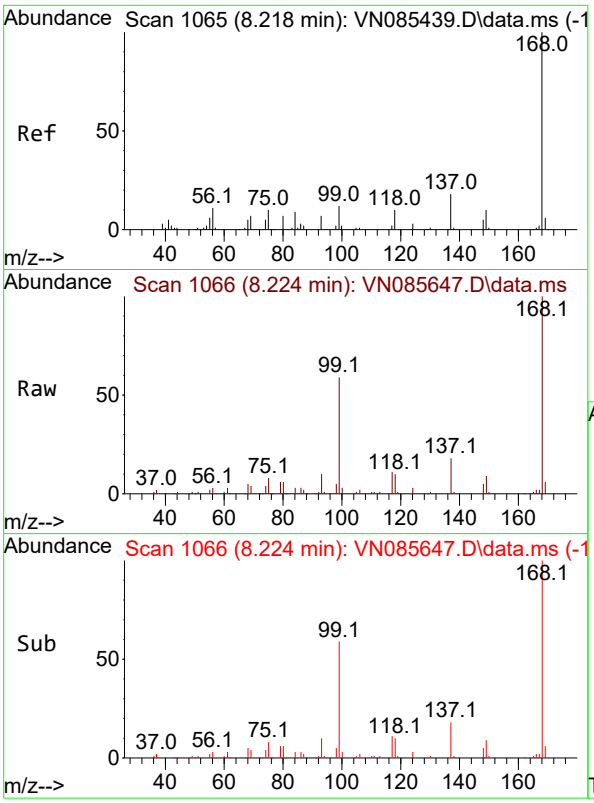
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085647.D
Acq On : 04 Feb 2025 12:31
Operator : JC\MD
Sample : VN0204WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBL01

Quant Time: Feb 05 01:02:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



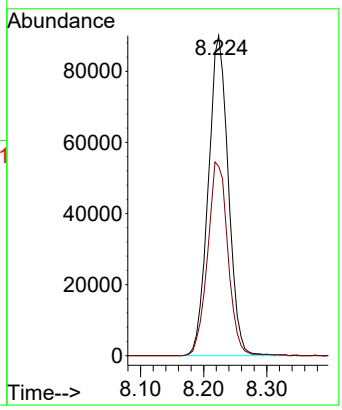


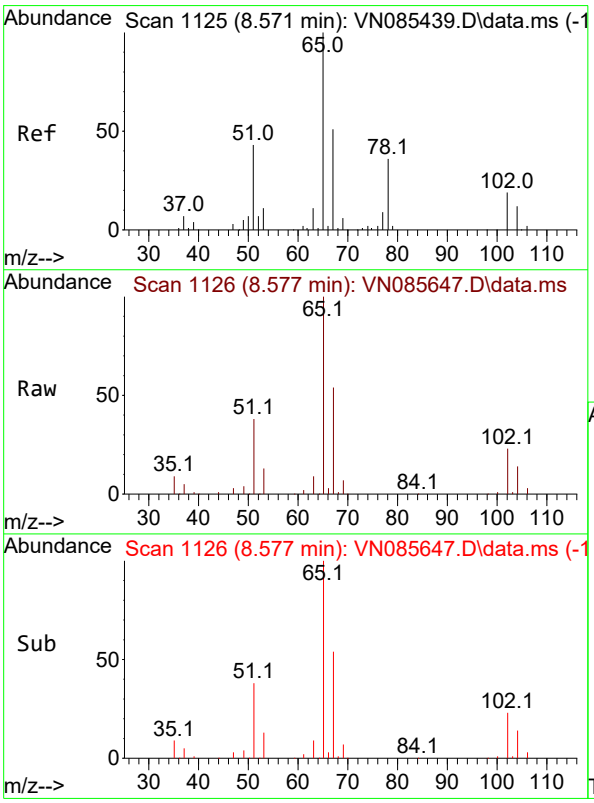
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085647.D
Acq: 04 Feb 2025 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBL01

Tgt Ion:168 Resp: 197983

Ion	Ratio	Lower	Upper
168	100		
99	59.2	53.6	80.4

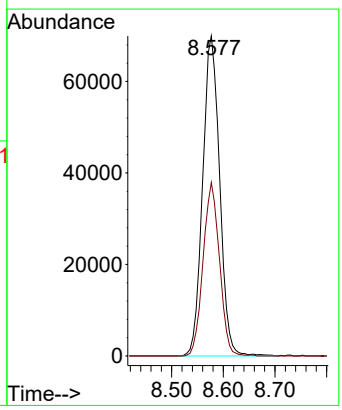


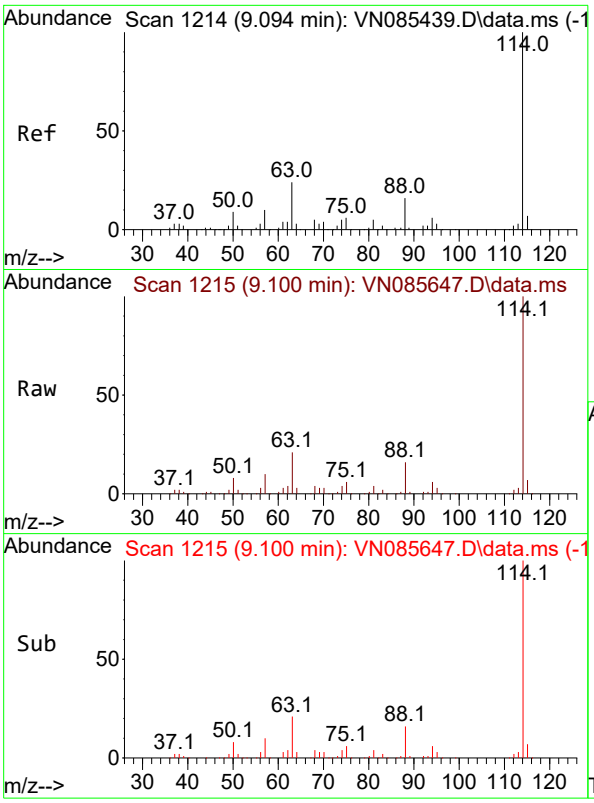


#33
1,2-Dichloroethane-d4
Concen: 49.936 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085647.D
Acq: 04 Feb 2025 12:31

Tgt Ion: 65 Resp: 159588

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	101.6



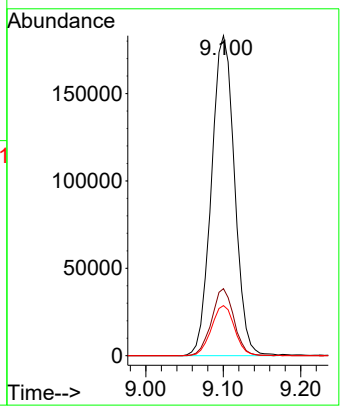


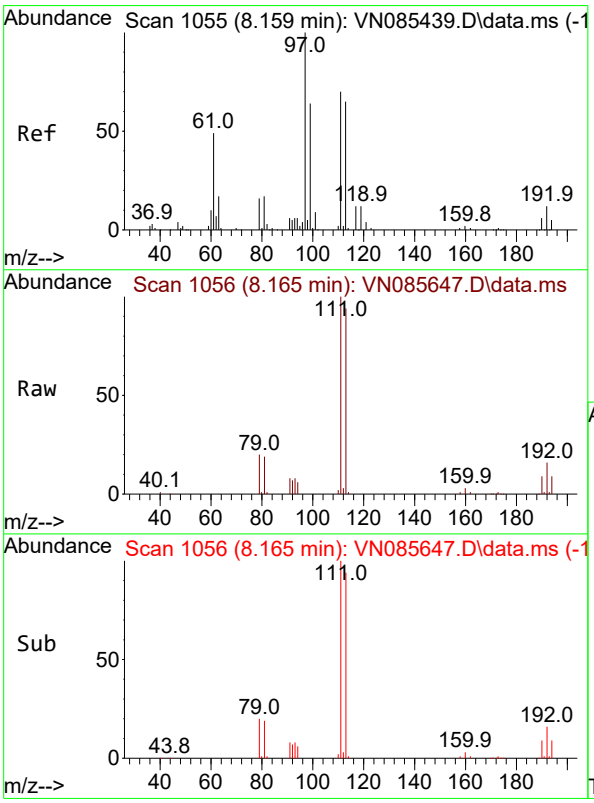
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085647.D
Acq: 04 Feb 2025 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBL01

Tgt Ion:114 Resp: 379434

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	47.6
88	15.7	0.0	32.6

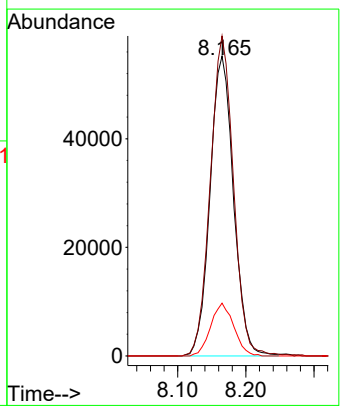


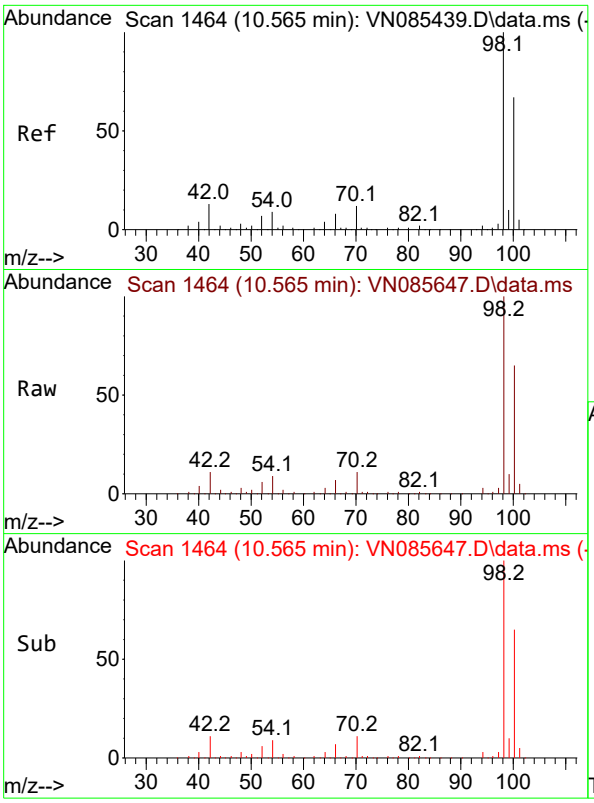


#35
Dibromofluoromethane
Concen: 50.264 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085647.D
Acq: 04 Feb 2025 12:31

Tgt Ion:113 Resp: 132313

Ion	Ratio	Lower	Upper
113	100		
111	105.6	82.7	124.1
192	17.4	14.3	21.5



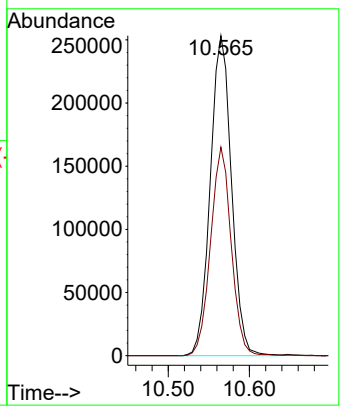


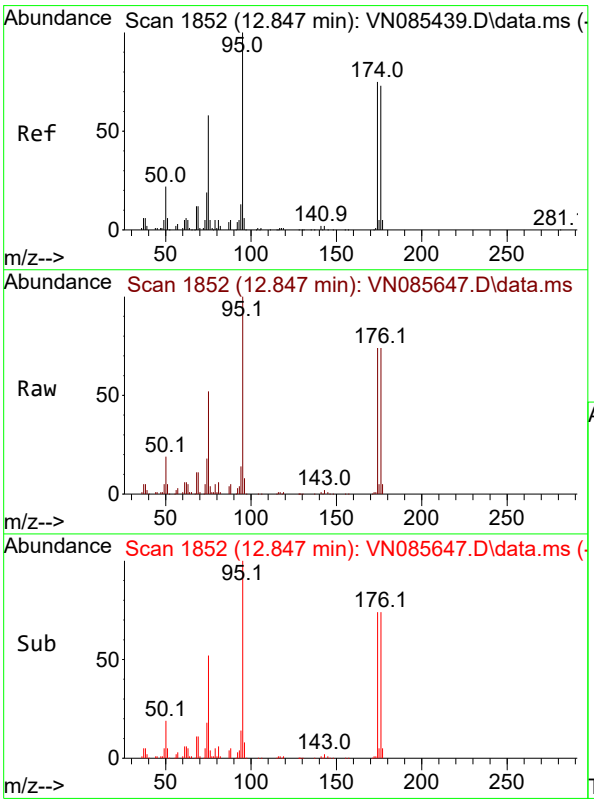
#50
Toluene-d8
Concen: 49.201 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085647.D
Acq: 04 Feb 2025 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBL01

Tgt Ion: 98 Resp: 460162

Ion	Ratio	Lower	Upper
98	100		
100	63.4	52.2	78.4

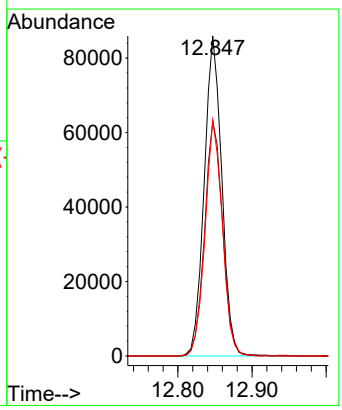


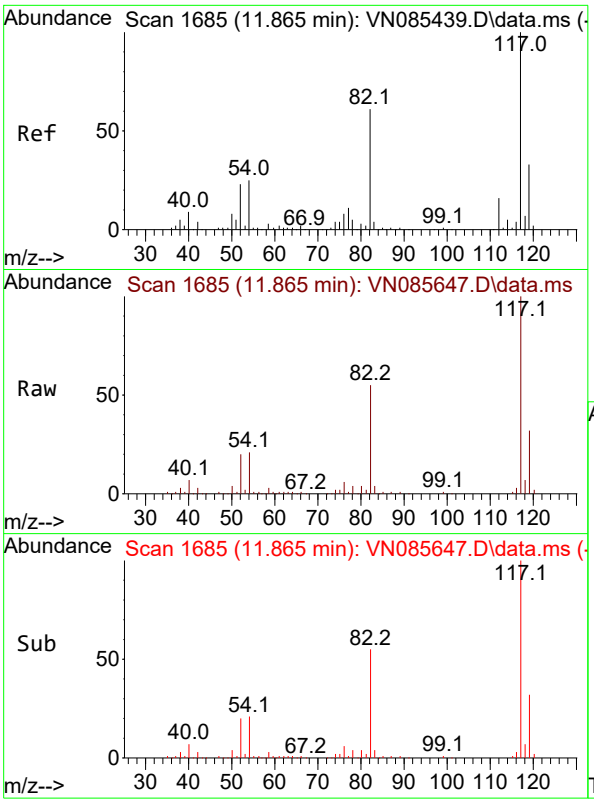


#62
4-Bromofluorobenzene
Concen: 44.237 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085647.D
Acq: 04 Feb 2025 12:31

Tgt Ion: 95 Resp: 141527

Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	145.0
176	72.4	0.0	142.4



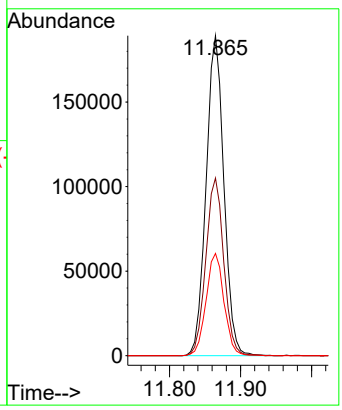


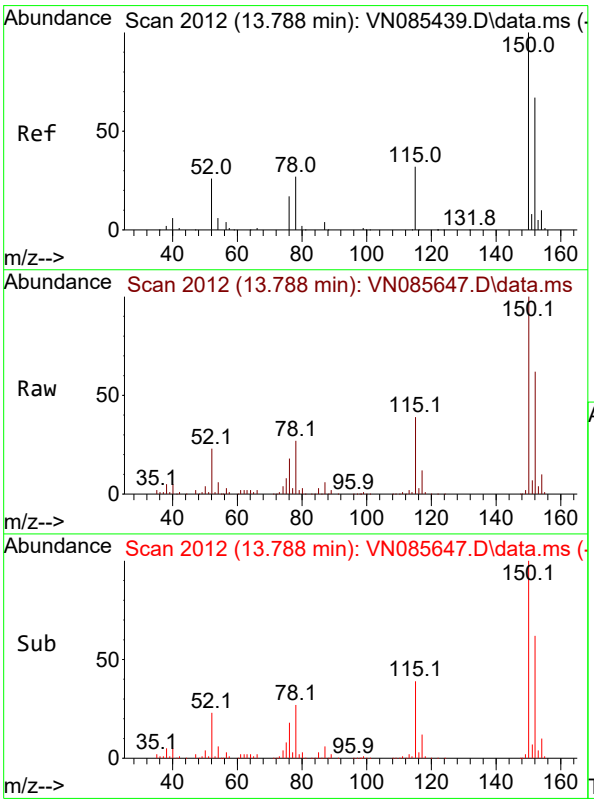
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085647.D
Acq: 04 Feb 2025 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBL01

Tgt Ion:117 Resp: 328690

Ion	Ratio	Lower	Upper
117	100		
82	55.5	48.6	72.8
119	31.9	26.6	39.8

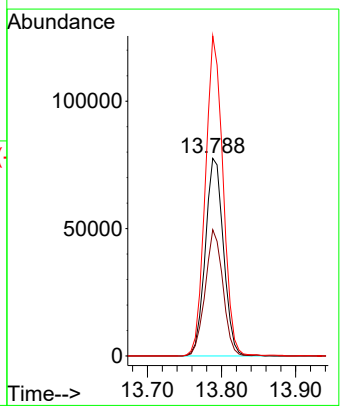




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085647.D
Acq: 04 Feb 2025 12:31

Tgt Ion:152 Resp: 132287

Ion	Ratio	Lower	Upper
152	100		
115	61.9	31.1	93.3
150	156.8	0.0	343.6



Raw Data: **VN085651.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0204WBS02	SDG No.:	Q1282
Lab Sample ID:	VN0204WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085651.D	1		02/04/25 14:51	VN020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	20.3		0.16	1.00	ug/L
56-23-5	Carbon Tetrachloride	19.1		0.25	1.00	ug/L
67-66-3	Chloroform	20.1		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.19	1.00	ug/L
71-43-2	Benzene	20.6		0.16	1.00	ug/L
108-88-3	Toluene	21.7		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	21.2		0.25	1.00	ug/L
100-41-4	Ethyl Benzene	20.6		0.16	1.00	ug/L
1330-20-7	Total Xylenes	64.5		0.45	3.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.2		70 (74) - 130 (125)	90%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.8		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	206000	8.224			
540-36-3	1,4-Difluorobenzene	367000	9.1			
3114-55-4	Chlorobenzene-d5	318000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	150000	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\VN020425\
Data File : VN085651.D
Acq On : 04 Feb 2025 14:51
Operator : JC\MD
Sample : VN0204WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 05 01:04:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	206401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	367320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	317764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	150317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150502	45.172	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.340%			
35) Dibromofluoromethane	8.165	113	124212	48.743	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.480%			
50) Toluene-d8	10.565	98	450633	49.771	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.540%			
62) 4-Bromofluorobenzene	12.847	95	148181	47.844	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	65996	23.616	ug/l	99
3) Chloromethane	2.359	50	62270	20.580	ug/l	97
4) Vinyl Chloride	2.512	62	76709	25.222	ug/l	98
5) Bromomethane	2.954	94	45534	24.786	ug/l	97
6) Chloroethane	3.118	64	47623	24.698	ug/l	92
7) Trichlorofluoromethane	3.495	101	90803	20.577	ug/l	99
8) Diethyl Ether	3.965	74	28815	18.901	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	53527	21.535	ug/l	98
10) Methyl Iodide	4.589	142	63259	22.224	ug/l	97
11) Tert butyl alcohol	5.524	59	41188	107.962	ug/l	98
12) 1,1-Dichloroethene	4.342	96	47753	21.557	ug/l	93
13) Acrolein	4.183	56	31533	60.548	ug/l	99
14) Allyl chloride	5.024	41	59657m	16.597	ug/l	
15) Acrylonitrile	5.718	53	123860	102.213	ug/l	99
16) Acetone	4.424	43	100115	92.999	ug/l	97
17) Carbon Disulfide	4.712	76	147410	21.613	ug/l	96
18) Methyl Acetate	5.030	43	62179	18.995	ug/l	94
19) Methyl tert-butyl Ether	5.795	73	145880	20.281	ug/l	96
20) Methylene Chloride	5.277	84	56823	21.322	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	51109	21.589	ug/l	89
22) Diisopropyl ether	6.671	45	148162	18.571	ug/l	95
23) Vinyl Acetate	6.606	43	533384	95.530	ug/l	96
24) 1,1-Dichloroethane	6.565	63	96240	19.783	ug/l	95
25) 2-Butanone	7.483	43	157483	99.409	ug/l #	87
26) 2,2-Dichloropropane	7.489	77	85009	21.614	ug/l	96
27) cis-1,2-Dichloroethene	7.483	96	58653	21.035	ug/l	93
28) Bromochloromethane	7.812	49	33036	14.596	ug/l	86
29) Tetrahydrofuran	7.836	42	102635	102.187	ug/l	90
30) Chloroform	7.965	83	101271	20.142	ug/l	99
31) Cyclohexane	8.259	56	78673	18.606	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	88190	19.996	ug/l	96
36) 1,1-Dichloropropene	8.371	75	70286	19.652	ug/l	99
37) Ethyl Acetate	7.559	43	65973	18.275	ug/l	98
38) Carbon Tetrachloride	8.365	117	78107	19.076	ug/l	96
39) Methylcyclohexane	9.600	83	67494	20.082	ug/l	94
40) Benzene	8.606	78	221792	20.639	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085651.D
Acq On : 04 Feb 2025 14:51
Operator : JC\MD
Sample : VN0204WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 05 01:04:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	34320	18.274	ug/l		92
42) 1,2-Dichloroethane	8.671	62	73577	18.179	ug/l		97
43) Isopropyl Acetate	8.688	43	115982m	20.051	ug/l		
44) Trichloroethene	9.353	130	49633	19.842	ug/l		97
45) 1,2-Dichloropropane	9.618	63	53997	19.672	ug/l		97
46) Dibromomethane	9.706	93	39110	19.747	ug/l		98
47) Bromodichloromethane	9.888	83	77727	19.263	ug/l		96
48) Methyl methacrylate	9.677	41	47105	18.096	ug/l		89
49) 1,4-Dioxane	9.694	88	19272	439.639	ug/l		94
51) 4-Methyl-2-Pentanone	10.441	43	328830	97.965	ug/l		94
52) Toluene	10.630	92	135369	21.741	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	74675	19.583	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	83030	20.385	ug/l	#	87
55) 1,1,2-Trichloroethane	11.018	97	51534	20.914	ug/l		99
56) Ethyl methacrylate	10.871	69	70589	18.280	ug/l		94
57) 1,3-Dichloropropane	11.159	76	86420	20.170	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	106039	67.812	ug/l		97
59) 2-Hexanone	11.194	43	238617	101.031	ug/l		93
60) Dibromochloromethane	11.359	129	59256	19.918	ug/l		99
61) 1,2-Dibromoethane	11.465	107	50776	20.701	ug/l		99
64) Tetrachloroethene	11.100	164	45898	21.187	ug/l		97
65) Chlorobenzene	11.888	112	143836	20.663	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	51716	20.242	ug/l		100
67) Ethyl Benzene	11.965	91	233116	20.561	ug/l		98
68) m/p-Xylenes	12.071	106	181911	43.412	ug/l		98
69) o-Xylene	12.400	106	84365	21.067	ug/l		97
70) Styrene	12.412	104	145039	21.885	ug/l		97
71) Bromoform	12.576	173	38717	21.179	ug/l	#	99
73) Isopropylbenzene	12.694	105	210944	20.793	ug/l		98
74) N-amyl acetate	12.494	43	84808	18.598	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.935	83	75120	20.962	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	62358m	20.410	ug/l		
77) Bromobenzene	12.976	156	54340	20.501	ug/l		95
78) n-propylbenzene	13.035	91	250899	20.891	ug/l		99
79) 2-Chlorotoluene	13.124	91	158204	20.353	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	178682	21.323	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	24629	21.810	ug/l		90
82) 4-Chlorotoluene	13.218	91	157925	20.405	ug/l		98
83) tert-Butylbenzene	13.435	119	140205	19.923	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	178481	21.370	ug/l		97
85) sec-Butylbenzene	13.612	105	202909	20.804	ug/l		100
86) p-Isopropyltoluene	13.729	119	167070	20.523	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	97119	19.896	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	98065	19.382	ug/l		99
89) n-Butylbenzene	14.053	91	130043	18.585	ug/l		98
90) Hexachloroethane	14.329	117	35354	19.041	ug/l		96
91) 1,2-Dichlorobenzene	14.106	146	95513	19.617	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13567	20.732	ug/l		94
93) 1,2,4-Trichlorobenzene	15.388	180	39645	17.519	ug/l		96
94) Hexachlorobutadiene	15.500	225	20609	17.154	ug/l		98
95) Naphthalene	15.641	128	123413	18.276	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	41163	17.977	ug/l		99

Sample Results: **VN085651.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085651.D
Acq On : 04 Feb 2025 14:51
Operator : JC\MD
Sample : VN0204WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 05 01:04:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025

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

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

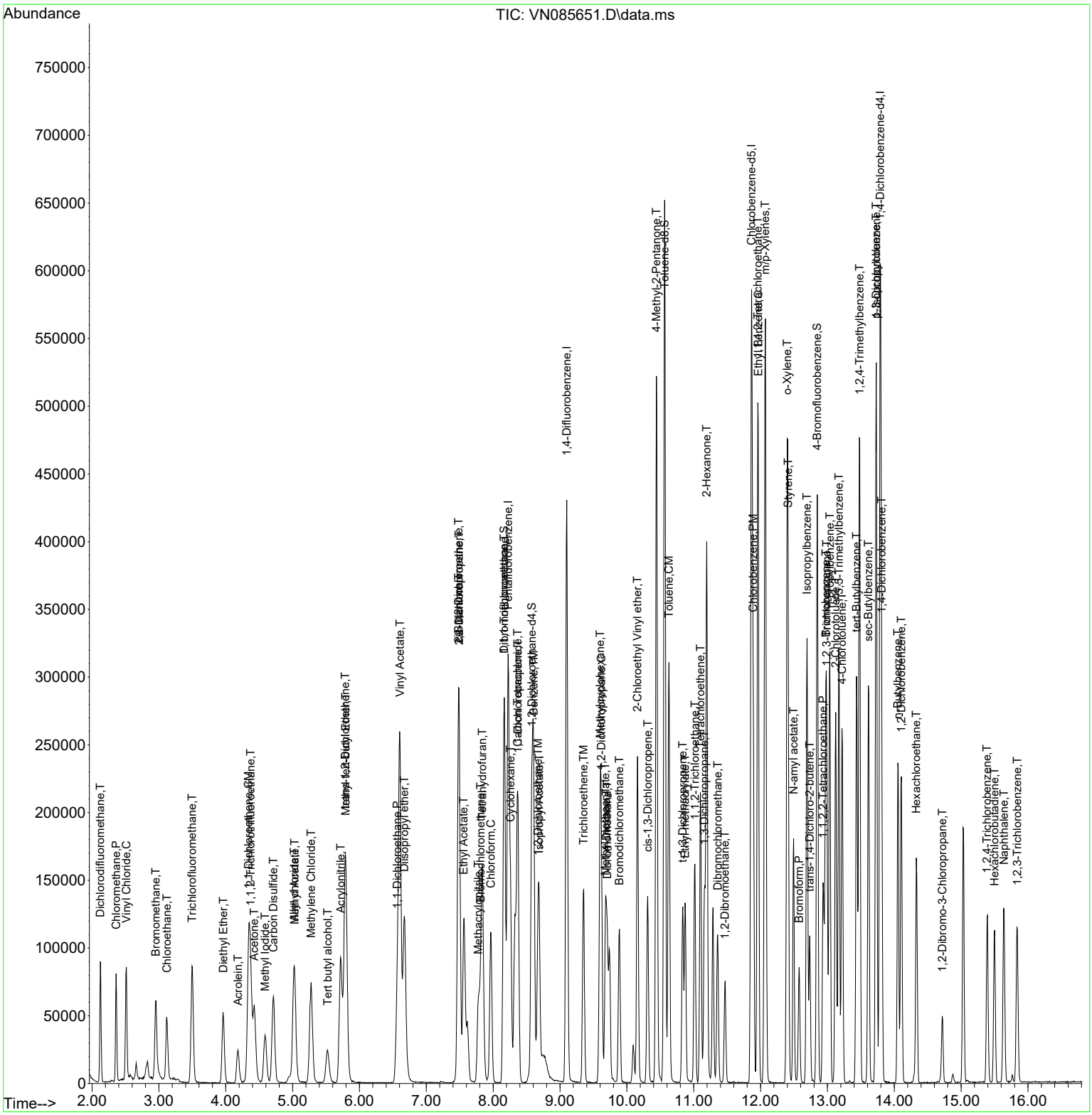
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085651.D
Acq On : 04 Feb 2025 14:51
Operator : JC\MD
Sample : VN0204WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 05 01:04:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 02/05/2025
Supervised By :Mahesh Dadoda 02/06/2025



Raw Data: **VN085655.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0204WBSD02	SDG No.:	Q1282
Lab Sample ID:	VN0204WBSD02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085655.D	1		02/04/25 16:37	VN020425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	21.8		0.16	1.00	ug/L
56-23-5	Carbon Tetrachloride	21.3		0.25	1.00	ug/L
67-66-3	Chloroform	19.7		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.1		0.19	1.00	ug/L
71-43-2	Benzene	22.2		0.16	1.00	ug/L
108-88-3	Toluene	21.5		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	20.5		0.25	1.00	ug/L
100-41-4	Ethyl Benzene	21.4		0.16	1.00	ug/L
1330-20-7	Total Xylenes	68.4		0.45	3.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.7		70 (74) - 130 (125)	85%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	48.0		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	250000	8.224			
540-36-3	1,4-Difluorobenzene	394000	9.1			
3114-55-4	Chlorobenzene-d5	352000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	163000	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\VN020425\
Data File : VN085655.D
Acq On : 04 Feb 2025 16:37
Operator : JC\MD
Sample : VN0204WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 05 01:07:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD02

Manual Integrations APPROVED

Reviewed By :John Carlone

02/05/2025
Supervised By :Mahesh Dadoda

02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	250474	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	394206	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	352019	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	163365	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	172816	42.743	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.480%				
35) Dibromofluoromethane	8.165	113	142777	52.207	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.420%				
50) Toluene-d8	10.565	98	466570	48.017	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.040%				
62) 4-Bromofluorobenzene	12.847	95	159331	47.936	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.880%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	67634	19.943	ug/l		98
3) Chloromethane	2.359	50	63076	17.178	ug/l		100
4) Vinyl Chloride	2.506	62	76128	20.627	ug/l		97
5) Bromomethane	2.953	94	49884	22.376	ug/l		98
6) Chloroethane	3.118	64	50094	21.408	ug/l	#	87
7) Trichlorofluoromethane	3.495	101	112309	20.972	ug/l		100
8) Diethyl Ether	3.965	74	38321	20.714	ug/l		85
9) 1,1,2-Trichlorotrifluo...	4.377	101	63013	20.891	ug/l		98
10) Methyl Iodide	4.589	142	81140	23.491	ug/l	#	97
11) Tert butyl alcohol	5.518	59	52265	112.891	ug/l		99
12) 1,1-Dichloroethene	4.336	96	58315	21.693	ug/l		88
13) Acrolein	4.177	56	40152	63.532	ug/l		99
14) Allyl chloride	5.024	41	74722	17.130	ug/l		95
15) Acrylonitrile	5.718	53	148522	100.998	ug/l		99
16) Acetone	4.424	43	121256	92.818	ug/l		94
17) Carbon Disulfide	4.706	76	168991	20.417	ug/l		99
18) Methyl Acetate	5.024	43	73954	18.617	ug/l		92
19) Methyl tert-butyl Ether	5.794	73	190486	21.823	ug/l		96
20) Methylene Chloride	5.277	84	66374	20.523	ug/l		96
21) trans-1,2-Dichloroethene	5.783	96	59956	20.870	ug/l		96
22) Diisopropyl ether	6.671	45	179895	18.581	ug/l		97
23) Vinyl Acetate	6.606	43	648302	95.681	ug/l		96
24) 1,1-Dichloroethane	6.559	63	113758	19.269	ug/l		97
25) 2-Butanone	7.483	43	189350	98.494	ug/l		94
26) 2,2-Dichloropropane	7.488	77	100142	20.981	ug/l		98
27) cis-1,2-Dichloroethene	7.483	96	70286	20.772	ug/l		94
28) Bromochloromethane	7.812	49	42897	15.618	ug/l	#	82
29) Tetrahydrofuran	7.841	42	123148	101.037	ug/l		89
30) Chloroform	7.965	83	120068	19.678	ug/l		95
31) Cyclohexane	8.253	56	92756	18.077	ug/l	#	87
32) 1,1,1-Trichloroethane	8.171	97	107522	20.090	ug/l		94
36) 1,1-Dichloropropene	8.371	75	80237	20.905	ug/l		97
37) Ethyl Acetate	7.559	43	75695	19.538	ug/l	#	95
38) Carbon Tetrachloride	8.359	117	93378	21.250	ug/l		99
39) Methylcyclohexane	9.600	83	74735	20.720	ug/l		94
40) Benzene	8.606	78	256293	22.223	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085655.D
Acq On : 04 Feb 2025 16:37
Operator : JC\MD
Sample : VN0204WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 05 01:07:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD02

Manual Integrations APPROVED

Reviewed By :John Carlone
02/05/2025
Supervised By :Mahesh Dadoda
02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	42732	21.201	ug/l		94
42) 1,2-Dichloroethane	8.665	62	80112	18.444	ug/l		98
43) Isopropyl Acetate	8.688	43	129867	20.920	ug/l		100
44) Trichloroethene	9.353	130	54471	20.291	ug/l		96
45) 1,2-Dichloropropane	9.618	63	54518	18.507	ug/l		92
46) Dibromomethane	9.706	93	42107	19.810	ug/l		97
47) Bromodichloromethane	9.888	83	82292	19.003	ug/l		99
48) Methyl methacrylate	9.682	41	50846	18.201	ug/l	#	86
49) 1,4-Dioxane	9.694	88	19845	421.835	ug/l		92
51) 4-Methyl-2-Pentanone	10.441	43	349156	96.926	ug/l		93
52) Toluene	10.629	92	143888	21.533	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	82951	20.270	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	88864	20.329	ug/l	#	89
55) 1,1,2-Trichloroethane	11.018	97	55559	21.009	ug/l		95
56) Ethyl methacrylate	10.871	69	83221	19.891	ug/l		88
57) 1,3-Dichloropropane	11.165	76	93182	20.265	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	114733	68.367	ug/l		95
59) 2-Hexanone	11.194	43	256296	101.116	ug/l		92
60) Dibromochloromethane	11.359	129	63273	19.818	ug/l		98
61) 1,2-Dibromoethane	11.465	107	54817	20.824	ug/l		100
64) Tetrachloroethene	11.100	164	49290	20.539	ug/l		98
65) Chlorobenzene	11.888	112	159321	20.660	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	54350	19.203	ug/l		98
67) Ethyl Benzene	11.965	91	268719	21.395	ug/l		100
68) m/p-Xylenes	12.070	106	210638	45.376	ug/l		93
69) o-Xylene	12.400	106	102151	23.027	ug/l		98
70) Styrene	12.412	104	169955	23.149	ug/l		95
71) Bromoform	12.576	173	42989	21.228	ug/l	#	100
73) Isopropylbenzene	12.694	105	257943	23.395	ug/l		100
74) N-amyl acetate	12.494	43	100117	20.202	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.935	83	78295	20.103	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	64365m	19.385	ug/l		
77) Bromobenzene	12.982	156	62751	21.784	ug/l		90
78) n-propylbenzene	13.035	91	286507	21.950	ug/l		94
79) 2-Chlorotoluene	13.123	91	179331	21.229	ug/l		95
80) 1,3,5-Trimethylbenzene	13.170	105	202037	22.184	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	27819m	22.668	ug/l		
82) 4-Chlorotoluene	13.217	91	173140	20.584	ug/l		95
83) tert-Butylbenzene	13.435	119	180098	23.548	ug/l		93
84) 1,2,4-Trimethylbenzene	13.482	105	208039	22.919	ug/l		96
85) sec-Butylbenzene	13.612	105	242783	22.904	ug/l		98
86) p-Isopropyltoluene	13.729	119	204722	22.987	ug/l		97
87) 1,3-Dichlorobenzene	13.729	146	106100	20.000	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	107417	19.535	ug/l		99
89) n-Butylbenzene	14.053	91	175860	23.126	ug/l		98
90) Hexachloroethane	14.329	117	37770	18.717	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	107206	20.260	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15213	21.390	ug/l		85
93) 1,2,4-Trichlorobenzene	15.388	180	51534	20.954	ug/l		95
94) Hexachlorobutadiene	15.500	225	21348	16.350	ug/l		96
95) Naphthalene	15.635	128	208295	28.382	ug/l	#	96
96) 1,2,3-Trichlorobenzene	15.841	180	49703	19.973	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085655.D
Acq On : 04 Feb 2025 16:37
Operator : JC\MD
Sample : VN0204WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 05 01:07:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD02

Manual Integrations APPROVED

Reviewed By :John Carlone

02/05/2025

Supervised By :Mahesh Dadoda

02/06/2025

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

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

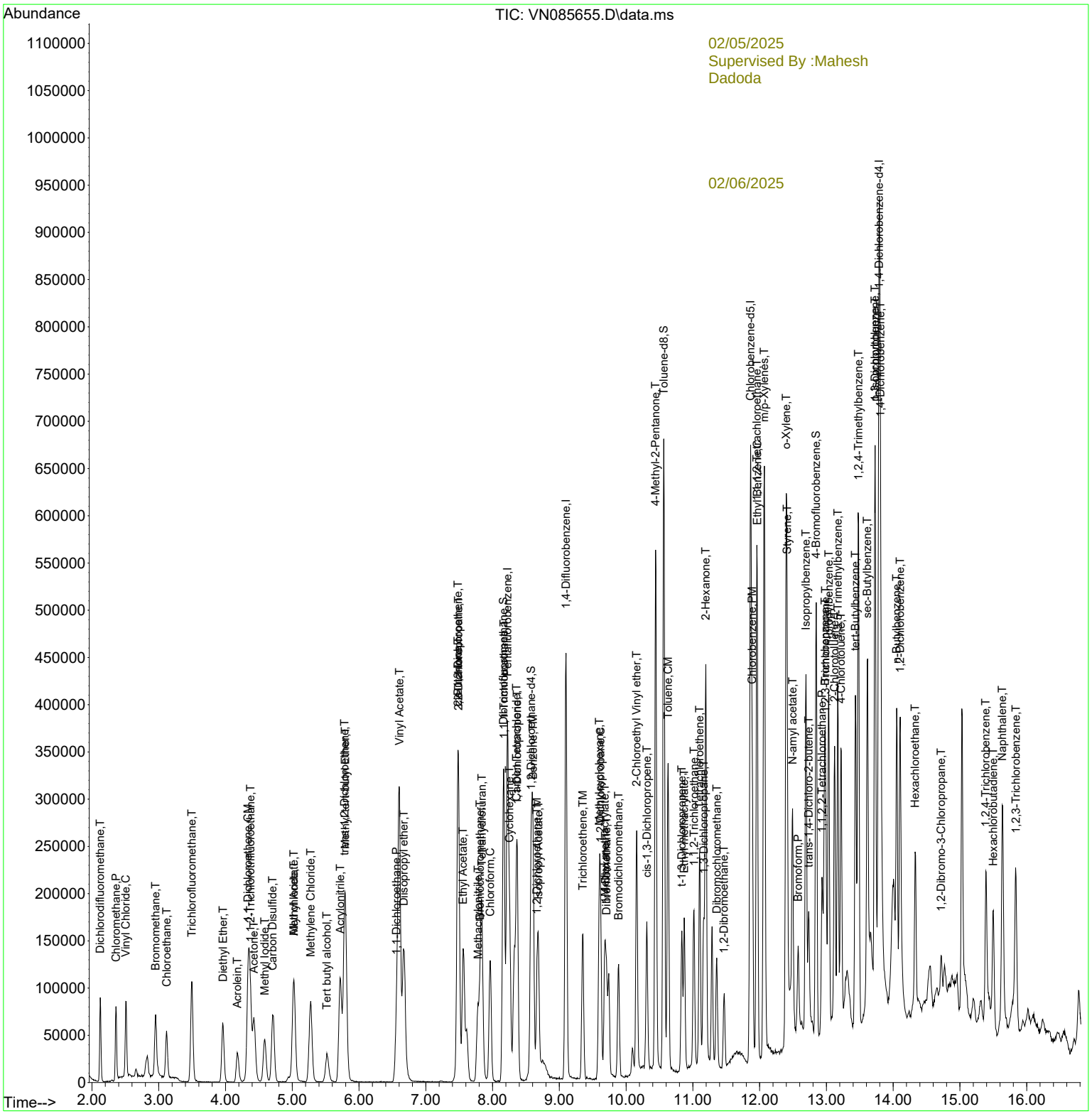
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
Data File : VN085655.D
Acq On : 04 Feb 2025 16:37
Operator : JC\MD
Sample : VN0204WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 05 01:07:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0204WBSD02

Manual Integrations APPROVED

Reviewed By :John Carlone



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

Manual Integration Report

Sequence:	VN011425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085438.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:09 AM	MMDadoda	1/15/2025 12:55:19 PM	Peak Integrated by Software
VSTDICCC050	VN085439.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:14 AM	MMDadoda	1/15/2025 12:55:22 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	trans-1,4-Dichloro-2-but ene	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC020	VN085440.D	Vinyl Acetate	JOHN	1/15/2025 9:31:19 AM	MMDadoda	1/15/2025 12:55:25 PM	Peak Integrated by Software
VSTDICC010	VN085441.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:23 AM	MMDadoda	1/15/2025 12:55:29 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	Ethyl Acetate	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC005	VN085442.D	Vinyl Acetate	JOHN	1/15/2025 9:31:28 AM	MMDadoda	1/15/2025 12:55:34 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,1,2-Trichlorotrifluoroet hane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,1-Dichloroethane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	1,4-Dichlorobenzene	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN011425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN085443.D	2-Butanone	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	Ethyl Acetate	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICC001	VN085443.D	Vinyl Acetate	JOHN	1/15/2025 9:31:32 AM	MMDadoda	1/15/2025 12:55:39 PM	Peak Integrated by Software
VSTDICV050	VN085445.D	1,2,3-Trichloropropane	JOHN	1/15/2025 9:31:37 AM	MMDadoda	1/15/2025 12:55:43 PM	Peak Integrated by Software
VSTDICV050	VN085445.D	trans-1,4-Dichloro-2-but ene	JOHN	1/15/2025 9:31:37 AM	MMDadoda	1/15/2025 12:55:43 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN020425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085645.D	1,2,3-Trichloropropane	JOHN	2/5/2025 9:38:29 AM	MMDadoda	2/6/2025 11:04:41 AM	Peak Integrated by Software
VN0204WBS02	VN085651.D	1,2,3-Trichloropropane	JOHN	2/5/2025 9:38:42 AM	MMDadoda	2/6/2025 11:04:44 AM	Peak Integrated by Software
VN0204WBS02	VN085651.D	Allyl chloride	JOHN	2/5/2025 9:38:42 AM	MMDadoda	2/6/2025 11:04:44 AM	Peak Integrated by Software
VN0204WBS02	VN085651.D	Isopropyl Acetate	JOHN	2/5/2025 9:38:42 AM	MMDadoda	2/6/2025 11:04:44 AM	Peak Integrated by Software
VN0204WBSD02	VN085655.D	1,2,3-Trichloropropane	JOHN	2/5/2025 9:39:14 AM	MMDadoda	2/6/2025 11:04:50 AM	Peak Integrated by Software
VN0204WBSD02	VN085655.D	trans-1,4-Dichloro-2-butene	JOHN	2/5/2025 9:39:14 AM	MMDadoda	2/6/2025 11:04:50 AM	Peak Integrated by Software
VSTDCCC050	VN085664.D	1,2,3-Trichloropropane	JOHN	2/5/2025 9:39:19 AM	MMDadoda	2/6/2025 11:04:52 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN011425

Review By	John Carlone	Review On	1/15/2025 9:31:51 AM				
Supervise By	Mahesh Dadoda	Supervise On	1/15/2025 12:55:51 PM				
SubDirectory	VN011425	HP Acquire Method	MSVOA_N		HP Processing Method	82N011425W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP132529
Initial Calibration Stds	VP132530,VP132531,VP132532,VP132533,VP132534,VP132535
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP132544
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085437.D	14 Jan 2025 14:22	JC\MD	Ok
2	VSTDICC100	VN085438.D	14 Jan 2025 14:56	JC\MD	Ok,M
3	VSTDICCC050	VN085439.D	14 Jan 2025 15:19	JC\MD	Ok,M
4	VSTDICC020	VN085440.D	14 Jan 2025 15:43	JC\MD	Ok,M
5	VSTDICC010	VN085441.D	14 Jan 2025 16:07	JC\MD	Ok,M
6	VSTDICC005	VN085442.D	14 Jan 2025 16:31	JC\MD	Ok,M
7	VSTDICC001	VN085443.D	14 Jan 2025 17:19	JC\MD	Ok,M
8	IBLK	VN085444.D	14 Jan 2025 17:42	JC\MD	Ok
9	VSTDICV050	VN085445.D	14 Jan 2025 18:06	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN020425

Review By	John Carlone	Review On	2/5/2025 9:55:08 AM				
Supervise By	Mahesh Dadoda	Supervise On	2/6/2025 11:05:00 AM				
SubDirectory	VN020425	HP Acquire Method	MSVOA_N		HP Processing Method	82N011425W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP132858
Initial Calibration Stds	
CCC	VP132859,VP132860
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085644.D	04 Feb 2025 09:55	JC\MD	Ok
2	VSTDCCC050	VN085645.D	04 Feb 2025 11:05	JC\MD	Ok,M
3	VN0204MBL01	VN085646.D	04 Feb 2025 12:07	JC\MD	Ok
4	VN0204WBL01	VN085647.D	04 Feb 2025 12:31	JC\MD	Ok
5	VN0204WBS01	VN085648.D	04 Feb 2025 13:38	JC\MD	Not Ok
6	Q1234-06	VN085649.D	04 Feb 2025 14:02	JC\MD	Ok
7	Q1241-02	VN085650.D	04 Feb 2025 14:27	JC\MD	Ok
8	VN0204WBS02	VN085651.D	04 Feb 2025 14:51	JC\MD	Ok,M
9	VN0204MBS01	VN085652.D	04 Feb 2025 15:24	JC\MD	Ok,M
10	Q1218-01ME	VN085653.D	04 Feb 2025 15:49	JC\MD	Not Ok
11	Q1219-01	VN085654.D	04 Feb 2025 16:13	JC\MD	Ok,M
12	VN0204WBSD02	VN085655.D	04 Feb 2025 16:37	JC\MD	Ok,M
13	IBLK	VN085656.D	04 Feb 2025 17:01	JC\MD	Ok
14	Q1268-01	VN085657.D	04 Feb 2025 17:25	JC\MD	ReRun
15	Q1268-02	VN085658.D	04 Feb 2025 17:50	JC\MD	ReRun
16	Q1268-03	VN085659.D	04 Feb 2025 18:14	JC\MD	ReRun
17	Q1268-04	VN085660.D	04 Feb 2025 18:38	JC\MD	ReRun
18	Q1249-01	VN085661.D	04 Feb 2025 19:02	JC\MD	Ok
19	IBLK	VN085662.D	04 Feb 2025 19:27	JC\MD	Ok
20	Q1282-01	VN085663.D	04 Feb 2025 19:51	JC\MD	Ok
21	VSTDCCC050	VN085664.D	04 Feb 2025 20:15	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN011425

Review By	John Carlone	Review On	1/15/2025 9:31:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	1/15/2025 12:55:51 PM		
SubDirectory	VN011425	HP Acquire Method	MSVOA_N	HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132529
Initial Calibration Stds	VP132530,VP132531,VP132532,VP132533,VP132534,VP132535
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP132544
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085437.D	14 Jan 2025 14:22		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN085438.D	14 Jan 2025 14:56		JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN085439.D	14 Jan 2025 15:19	Comp.#56 is on Linear Regression	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN085440.D	14 Jan 2025 15:43	Comp.#86 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN085441.D	14 Jan 2025 16:07		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN085442.D	14 Jan 2025 16:31		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN085443.D	14 Jan 2025 17:19		JC\MD	Ok,M
8	IBLK	IBLK	VN085444.D	14 Jan 2025 17:42		JC\MD	Ok
9	VSTDICV050	ICVVN011425	VN085445.D	14 Jan 2025 18:06		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN020425

Review By	John Carlone	Review On	2/5/2025 9:55:08 AM			
Supervise By	Mahesh Dadoda	Supervise On	2/6/2025 11:05:00 AM			
SubDirectory	VN020425	HP Acquire Method	MSVOA_N	HP Processing Method	82N011425W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP132858
Initial Calibration Stds	
CCC	VP132859,VP132860
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085644.D	04 Feb 2025 09:55		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085645.D	04 Feb 2025 11:05	CCAL failed high for comp. #68,69 and low for comp.#13	JC\MD	Ok,M
3	VN0204MBL01	VN0204MBL01	VN085646.D	04 Feb 2025 12:07		JC\MD	Ok
4	VN0204WBL01	VN0204WBL01	VN085647.D	04 Feb 2025 12:31		JC\MD	Ok
5	VN0204WBS01	VN0204WBS01	VN085648.D	04 Feb 2025 13:38	Surrogate Fail	JC\MD	Not Ok
6	Q1234-06	50605	VN085649.D	04 Feb 2025 14:02	vial A pH<2	JC\MD	Ok
7	Q1241-02	JPP-3.5-013025	VN085650.D	04 Feb 2025 14:27	vial A pH#5.0	JC\MD	Ok
8	VN0204WBS02	VN0204WBS02	VN085651.D	04 Feb 2025 14:51	BS failed low for comp. #58	JC\MD	Ok,M
9	VN0204MBS01	VN0204MBS01	VN085652.D	04 Feb 2025 15:24	BS failed low for comp. #28	JC\MD	Ok,M
10	Q1218-01ME	BELL-25-002ME	VN085653.D	04 Feb 2025 15:49	Already analyzed	JC\MD	Not Ok
11	Q1219-01	LAW-25-0015	VN085654.D	04 Feb 2025 16:13		JC\MD	Ok,M
12	VN0204WBSD02	VN0204WBSD02	VN085655.D	04 Feb 2025 16:37	BSD failed low for comp. #58	JC\MD	Ok,M
13	IBLK	IBLK	VN085656.D	04 Feb 2025 17:01		JC\MD	Ok
14	Q1268-01	Storage-Blank-SOIL-RE	VN085657.D	04 Feb 2025 17:25	vial A pH<2	JC\MD	ReRun
15	Q1268-02	Storage-Blank-WATER-	VN085658.D	04 Feb 2025 17:50	vial A pH<2	JC\MD	ReRun
16	Q1268-03	Storage-Blank-WATER-	VN085659.D	04 Feb 2025 18:14	vial A pH<2	JC\MD	ReRun
17	Q1268-04	Storage-Blank-SAMPLE	VN085660.D	04 Feb 2025 18:38	vial A pH<2	JC\MD	ReRun

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN020425

Review By	John Carlone	Review On	2/5/2025 9:55:08 AM		
Supervise By	Mahesh Dadoda	Supervise On	2/6/2025 11:05:00 AM		
SubDirectory	VN020425	HP Acquire Method	MSVOA_N	HP Processing Method	82N011425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132858
Initial Calibration Stds	
CCC	VP132859,VP132860
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1249-01	BP-VPB-192-GW-460-4	VN085661.D	04 Feb 2025 19:02	vial A pH<2	JC\MD	Ok
19	IBLK	IBLK	VN085662.D	04 Feb 2025 19:27		JC\MD	Ok
20	Q1282-01	SW-WTS-02	VN085663.D	04 Feb 2025 19:51	vial A pH<2	JC\MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VN085664.D	04 Feb 2025 20:15		JC\MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q1282

COC Number: 2042108

CLIENT INFORMATION

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

PROJECT INFORMATION

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

BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

	Metals	Flashpoint + PCB	VOC	SVOC + Chloride (Anions)	BOD+TSS				
	1	2	3	4	5	6	7	8	9
PRESERVATIVES	B	E	E	E	E				

1 2 3 4 5 6 7 8 9

COMMENTS

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

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	1	2	3	4	5	6	7	8	9
1.	SW-WTS-02	Surface Water		X	1/31	16:00	4	X	X	X	X	X				
2.																
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. Jarod Stanfield	01/31/25 14:30	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.	2-3-25 16:10	2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.		3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.2 °C ☐ Ice in Cooler?: Yes

Comments:

IR Gun #1

Page ____ of ____

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

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1282 ENTA05
Client Name : ENTACT
Client Contact : Jarod Stanfield
Invoice Name : ENTACT
Invoice Contact : Jarod Stanfield

Order Date : 2/3/2025 4:26:00 PM
Project Name : 540 Degraw St, Brooklyn, N
Receive DateTime : 2/3/2025 4:10:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : NYSDEC EDD V-3
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1282-01	SW-WTS-02	Water	01/31/2025	16:00					
					VOCMS Group4		8260-Low		5 Bus. Days

Relinguished By : [signature]
Date / Time : 2-4-25 1005

Received By : [signature]
Date / Time : 2/4/25 10:05 Agt # 4

Storage Area : VOA Refridgerator Room