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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:	Q2116	**OrderDate:**	5/22/2025 2:34:02 PM
Client:	ATG-GREENVILLE AEC	**Project:**	AEC-2025-0013- 14 Fisher Lane, White Plains Bus
Contact:	Daniel Maalouf	**Location:**	8260-Low,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2116-01	**OUTFALL-2**	**Water**			**05/21/25**			**05/22/25**
			VOC-BTEX	8260-Low			05/23/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2116

Client: ATG-GREENVILLE AEC

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.: Q2116

Client: ATG-GREENVILLE AEC

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2116-01	OUTFALL-2	1,2-Dichloroethane-d4	50	43.9	88	74	125
		Dibromofluoromethane	50	50.7	101	75	124
		Toluene-d8	50	51.8	104	86	113
		4-Bromofluorobenzene	50	52.5	105	77	121
VN0523WBL01	VN0523WBL01	1,2-Dichloroethane-d4	50	42.6	85	74	125
		Dibromofluoromethane	50	50.3	101	75	124
		Toluene-d8	50	50.9	102	86	113
		4-Bromofluorobenzene	50	51.9	104	77	121
VN0523WBS01	VN0523WBS01	1,2-Dichloroethane-d4	50	41.9	84	74	125
		Dibromofluoromethane	50	49.6	99	75	124
		Toluene-d8	50	49.6	99	86	113
		4-Bromofluorobenzene	50	49.9	100	77	121
VN0523WBSD0	VN0523WBSD01	1,2-Dichloroethane-d4	50	44.8	90	74	125
		Dibromofluoromethane	50	50.2	100	75	124
		Toluene-d8	50	48.9	98	86	113
		4-Bromofluorobenzene	50	49.1	98	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2116

Client: ATG-GREENVILLE AEC

Analytical Method: SW8260-Low **Datafile :** VN086769.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0523WBS01	Benzene	20	17.5	ug/L	88			82	109	
	Toluene	20	18.2	ug/L	91			82	110	
	Ethyl Benzene	20	18.3	ug/L	92			83	109	
	m/p-Xylenes	40	39.0	ug/L	98			82	110	
	o-Xylene	20	19.1	ug/L	96			83	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2116

Client: ATG-GREENVILLE AEC

Analytical Method: SW8260-Low **Datafile :** VN086770.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0523WBSD01	Benzene	20	18.8	ug/L	94	7		82	109	20
	Toluene	20	19.2	ug/L	96	5		82	110	20
	Ethyl Benzene	20	19.1	ug/L	96	4		83	109	20
	m/p-Xylenes	40	40.3	ug/L	101	3		82	110	20
	o-Xylene	20	19.7	ug/L	99	3		83	109	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0523WBL01

Lab Name: CHEMTECH Contract: ATGG01

Lab Code: CHEM Case No.: Q2116 SAS No.: Q2116 SDG NO.: Q2116

Lab File ID: VN086768.D Lab Sample ID: VN0523WBL01

Date Analyzed: 05/23/2025 Time Analyzed: 10:52

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0523WBS01	VN0523WBS01	VN086769.D	05/23/2025
VN0523WBSD01	VN0523WBSD01	VN086770.D	05/23/2025
OUTFALL-2	Q2116-01	VN086772.D	05/23/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ATGG01

Lab Code: CHEM Case No.: Q2116 SAS No.: Q2116 SDG NO.: Q2116

Lab File ID: VN086668.D BFB Injection Date: 05/16/2025

Instrument ID: MSVOA_N BFB Injection Time: 15:33

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.9
75	30.0 - 60.0% of mass 95	50
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	74.9
175	5.0 - 9.0% of mass 174	5.7 (7.6) 1
176	95.0 - 101.0% of mass 174	73.6 (98.2) 1
177	5.0 - 9.0% of mass 176	4.5 (6.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN086669.D	05/16/2025	16:31
VSTDICC005	VSTDICC005	VN086670.D	05/16/2025	16:55
VSTDICC010	VSTDICC010	VN086671.D	05/16/2025	17:19
VSTDICC020	VSTDICC020	VN086672.D	05/16/2025	17:43
VSTDICCC050	VSTDICCC050	VN086673.D	05/16/2025	18:08
VSTDICC100	VSTDICC100	VN086674.D	05/16/2025	18:32

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ATGG01

Lab Code: CHEM Case No.: Q2116 SAS No.: Q2116 SDG NO.: Q2116

Lab File ID: VN086765.D BFB Injection Date: 05/23/2025

Instrument ID: MSVOA_N BFB Injection Time: 08:37

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.5
75	30.0 - 60.0% of mass 95	45.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	73.3 (99.3) 1
177	5.0 - 9.0% of mass 176	4.5 (6.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086766.D	05/23/2025	09:53
VN0523WBL01	VN0523WBL01	VN086768.D	05/23/2025	10:52
VN0523WBS01	VN0523WBS01	VN086769.D	05/23/2025	11:16
VN0523WBSD01	VN0523WBSD01	VN086770.D	05/23/2025	11:50
OUTFALL-2	Q2116-01	VN086772.D	05/23/2025	12:40

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ATGG01

Lab Code: CHEM Case No.: Q2116 SAS No.: Q2116 SDG NO.: Q2116

Lab File ID: VN086766.D Date Analyzed: 05/23/2025

Instrument ID: MSVOA_N Time Analyzed: 09:53

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	276686	8.22	466652	9.09	409394	11.87
UPPER LIMIT	553372	8.718	933304	9.594	818788	12.365
LOWER LIMIT	138343	7.718	233326	8.594	204697	11.365
EPA SAMPLE NO.						
OUTFALL-2	246001	8.22	452072	9.10	437261	11.87
VN0523WBL01	261056	8.22	476062	9.10	449746	11.87
VN0523WBS01	283024	8.22	485622	9.10	427228	11.87
VN0523WBSD01	237879	8.22	417988	9.09	365055	11.86

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: ATGG01

Lab Code: CHEM Case No.: Q2116 SAS No.: Q2116 SDG NO.: Q2116

Lab File ID: VN086766.D Date Analyzed: 05/23/2025

Instrument ID: MSVOA_N Time Analyzed: 09:53

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

	IS4 AREA #	RT #				
12 HOUR STD	193032	13.788				
UPPER LIMIT	386064	14.288				
LOWER LIMIT	96516	13.288				
EPA SAMPLE NO.						
OUTFALL-2	192791	13.79				
VN0523WBL01	197068	13.79				
VN0523WBS01	194058	13.79				
VN0523WBSD01	171389	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: **VN086772.D**

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Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	05/21/25
Project:	AEC-2025-0013- 14 Fisher Lane, White Plains Bus Co	Date Received:	05/22/25
Client Sample ID:	OUTFALL-2	SDG No.:	Q2116
Lab Sample ID:	Q2116-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086772.D	1		05/23/25 12:40	VN052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.9		74 - 125	88%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	51.8		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		77 - 121	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	246000	8.224			
540-36-3	1,4-Difluorobenzene	452000	9.1			
3114-55-4	Chlorobenzene-d5	437000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	193000	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\VN052325\
Data File : VN086772.D
Acq On : 23 May 2025 12:40
Operator : JC\MD
Sample : Q2116-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-2

Quant Time: May 24 02:32:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	246001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	452072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	437261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	192791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	149096	43.861	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 87.720%			
35) Dibromofluoromethane	8.165	113	136599	50.737	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.480%			
50) Toluene-d8	10.565	98	577501	51.762	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.520%			
62) 4-Bromofluorobenzene	12.847	95	206691	52.467	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.940%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1289	0.321	ug/l	97
16) Acetone	4.442	43	8986	7.067	ug/l	90
95) Naphthalene	15.635	128	4789	0.530	ug/l #	87

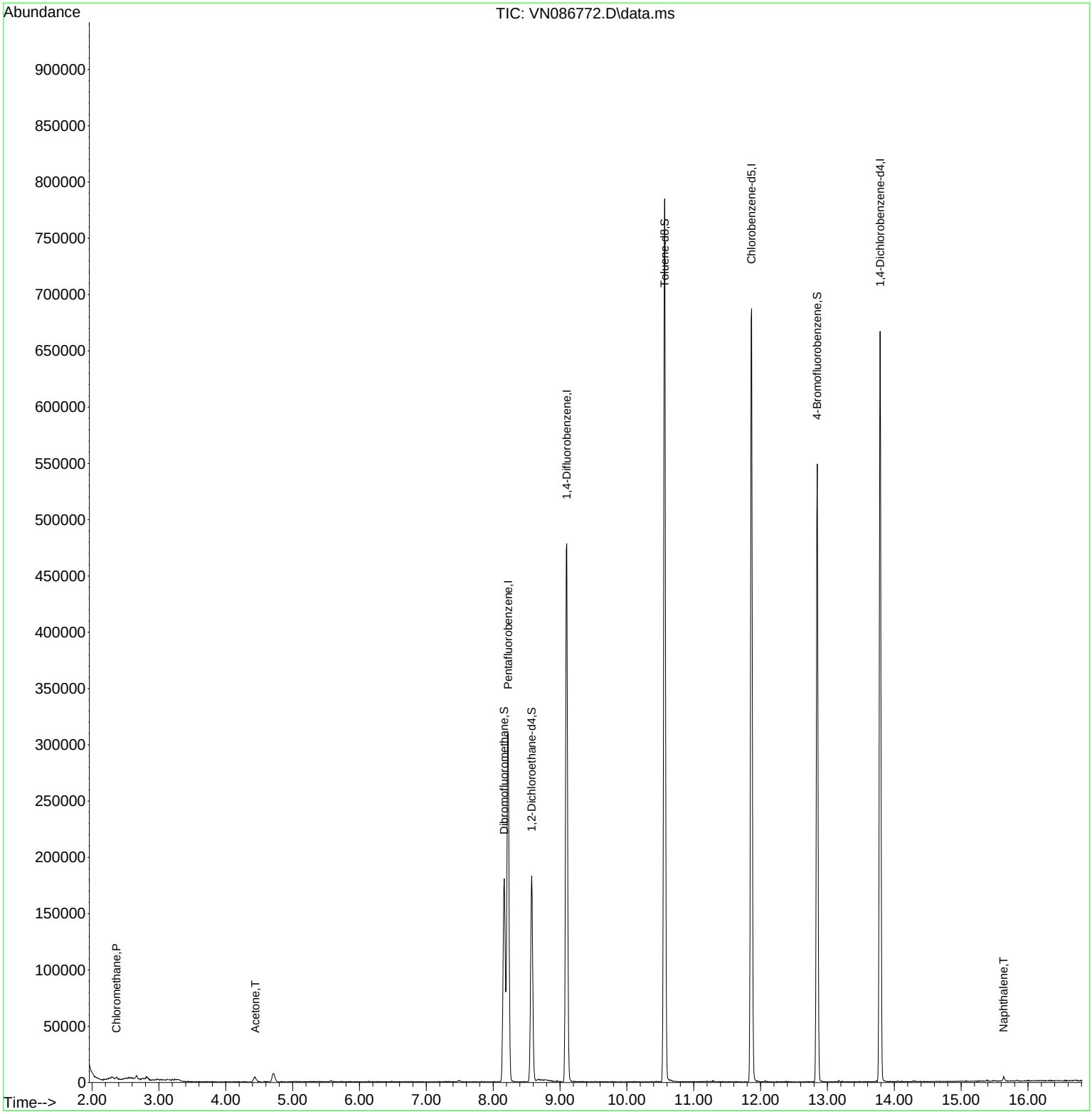
(#) = qualifier out of range (m) = manual integration (+) = signals summed

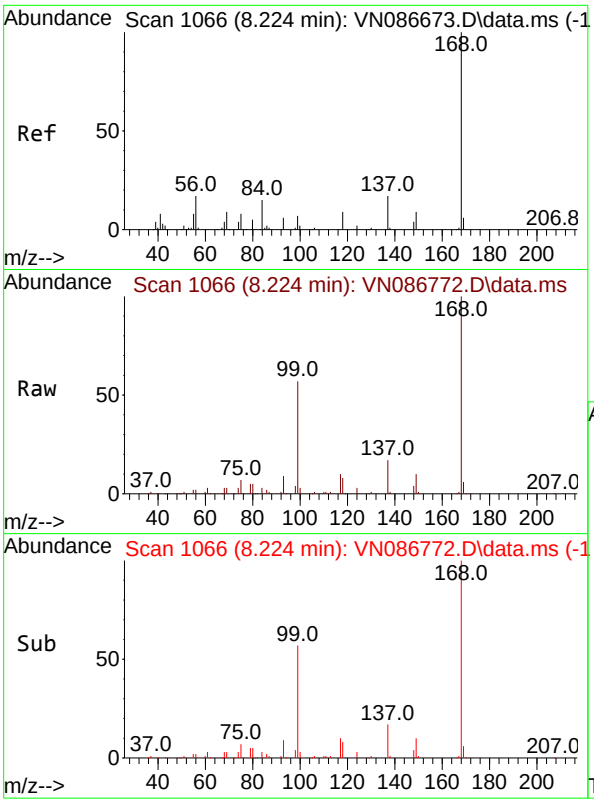
Sample Results: **VN086772.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086772.D
Acq On : 23 May 2025 12:40
Operator : JC\MD
Sample : Q2116-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-2

Quant Time: May 24 02:32:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration



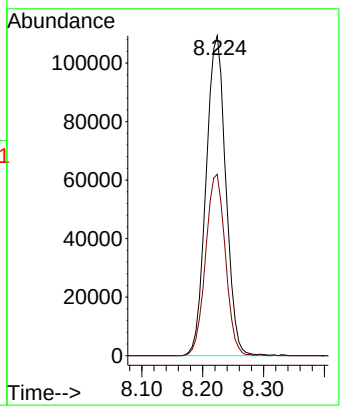


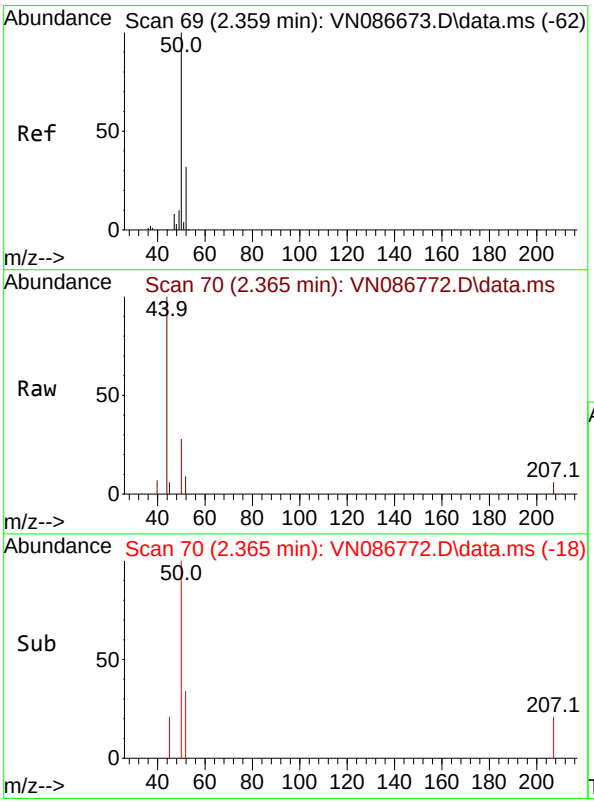
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-2

Tgt Ion:168 Resp: 246001

Ion	Ratio	Lower	Upper
168	100		
99	56.7	47.0	70.4

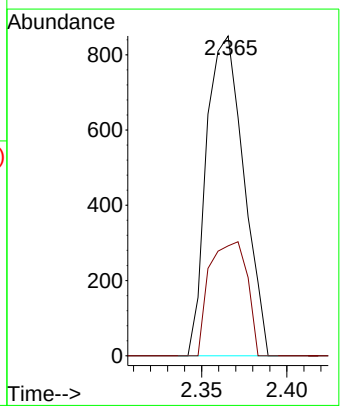


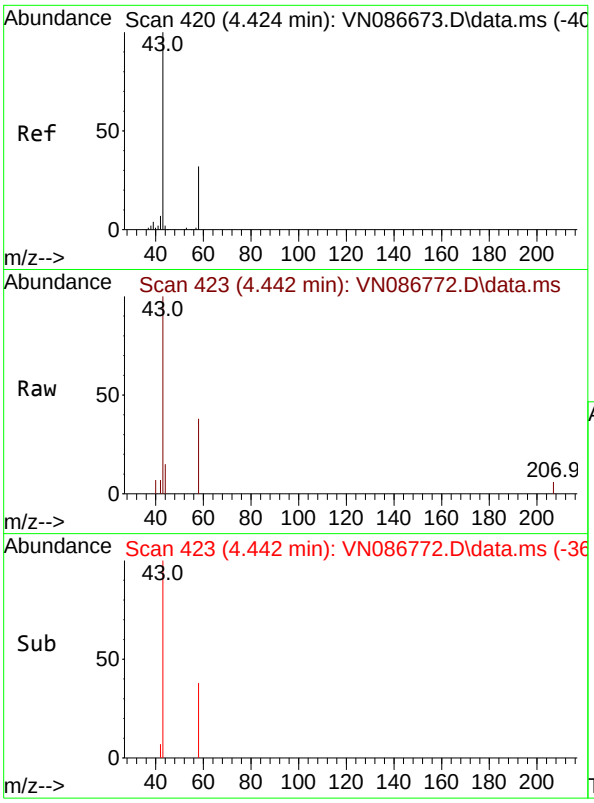


#3
Chloromethane
Concen: 0.321 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Tgt Ion: 50 Resp: 1289

Ion	Ratio	Lower	Upper
50	100		
52	34.4	25.9	38.9



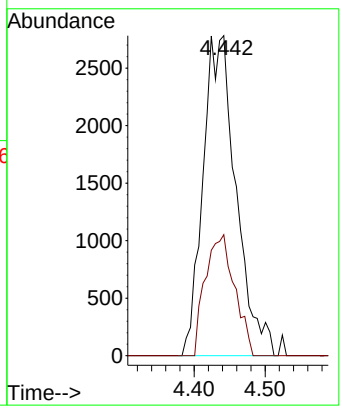


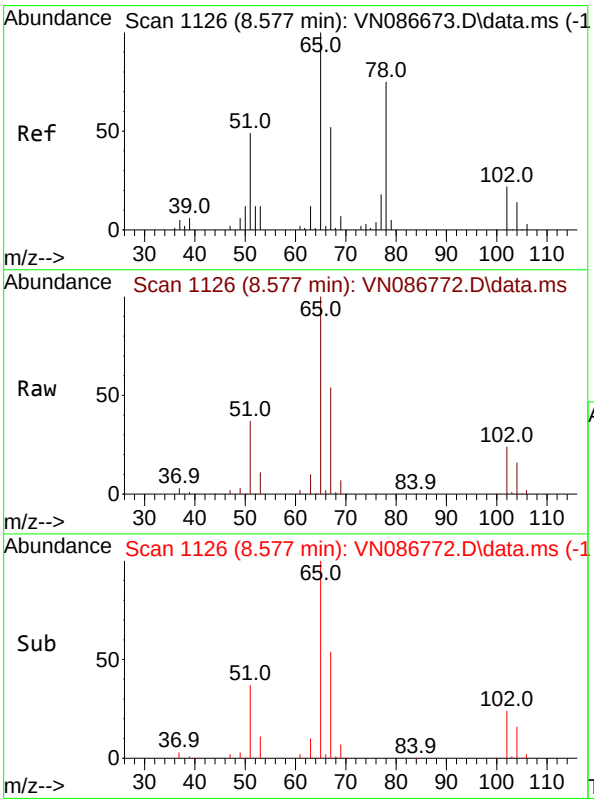
#16
Acetone
Concen: 7.067 ug/l
RT: 4.442 min Scan# 4
Delta R.T. 0.018 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-2

Tgt Ion: 43 Resp: 8986

Ion	Ratio	Lower	Upper
43	100		
58	37.8	25.8	38.6

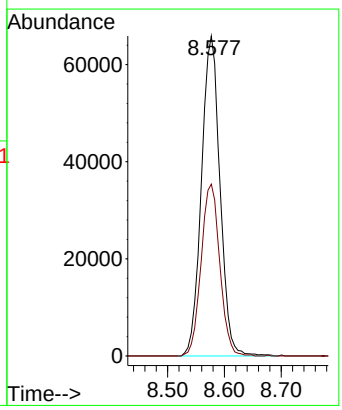


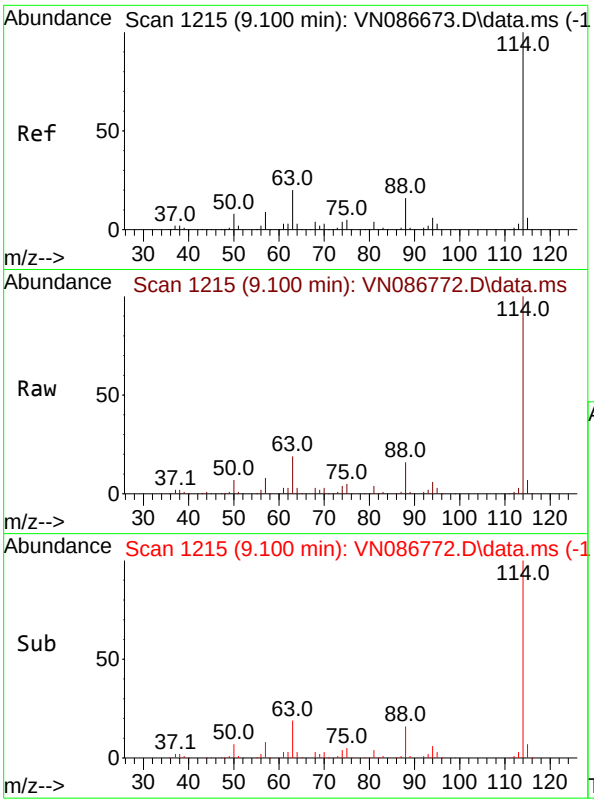


#33
1,2-Dichloroethane-d4
Concen: 43.861 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Tgt Ion: 65 Resp: 149096

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.4



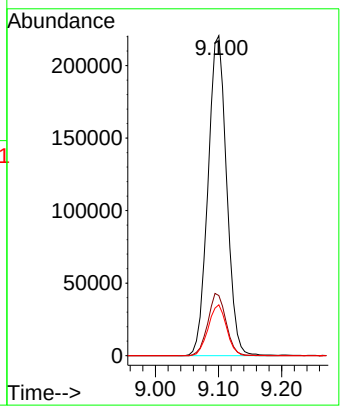


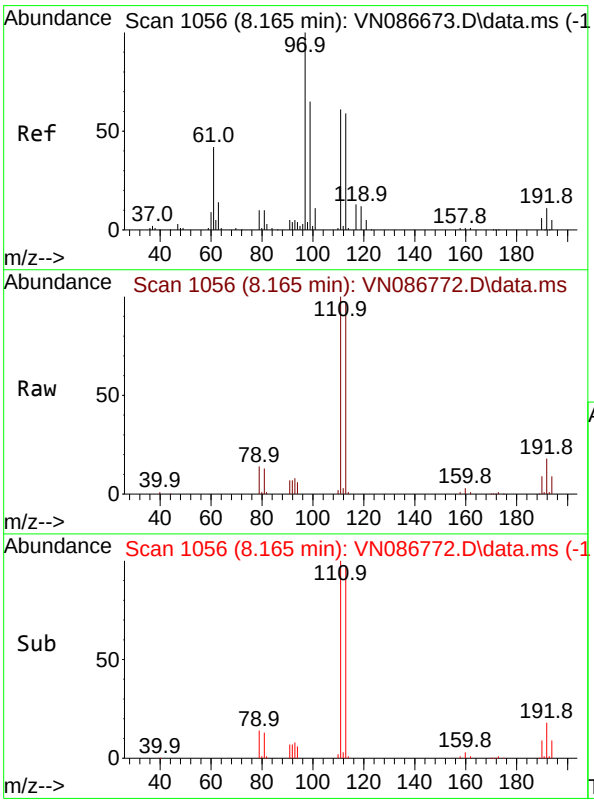
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-2

Tgt Ion:114 Resp: 452072

Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	40.2
88	15.9	0.0	31.2

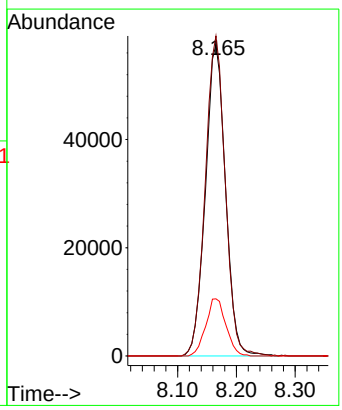


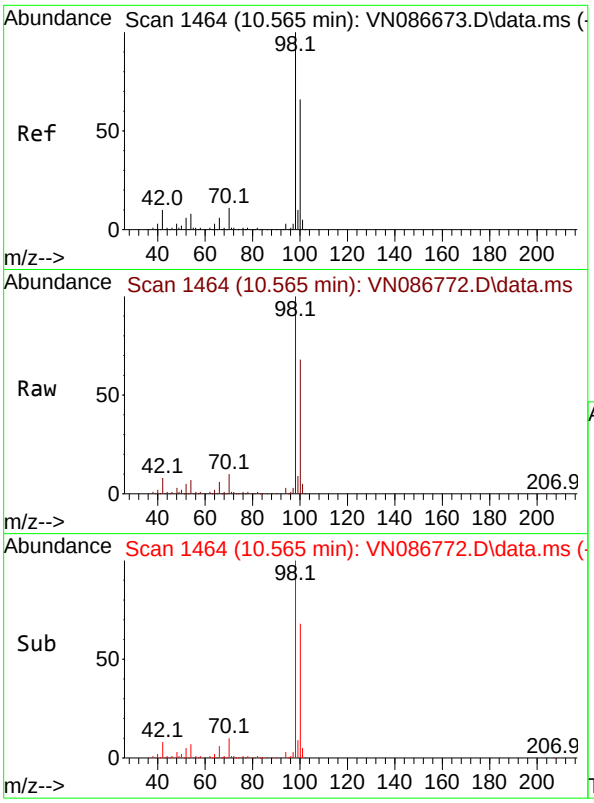


#35
Dibromofluoromethane
Concen: 50.737 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Tgt Ion:113 Resp: 136599

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.2
192	18.4	13.8	20.8



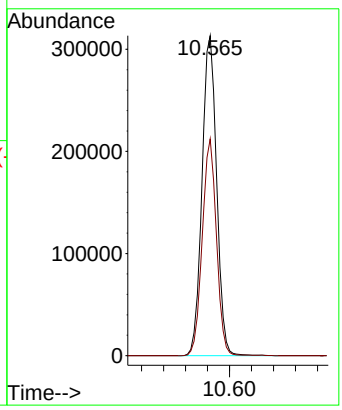


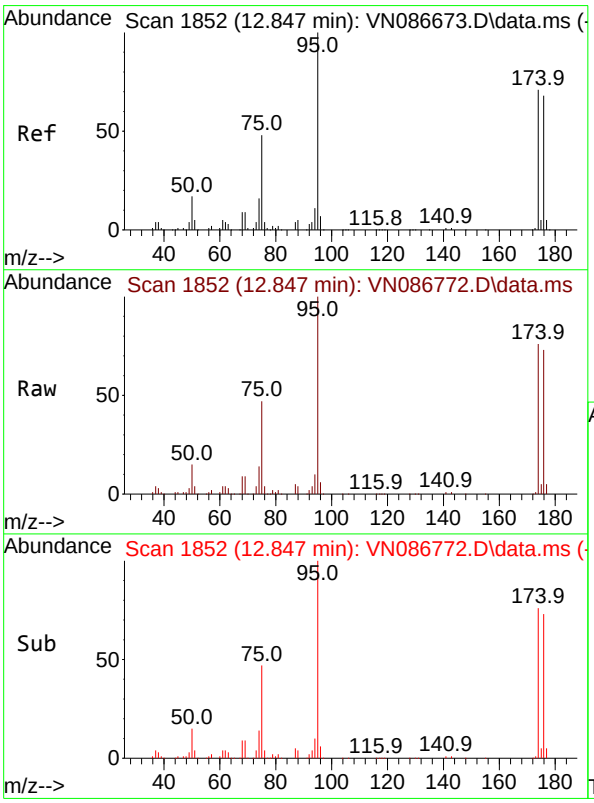
#50
Toluene-d8
Concen: 51.762 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-2

Tgt Ion: 98 Resp: 577501

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.9	79.3

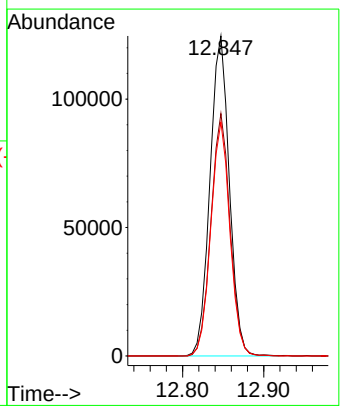


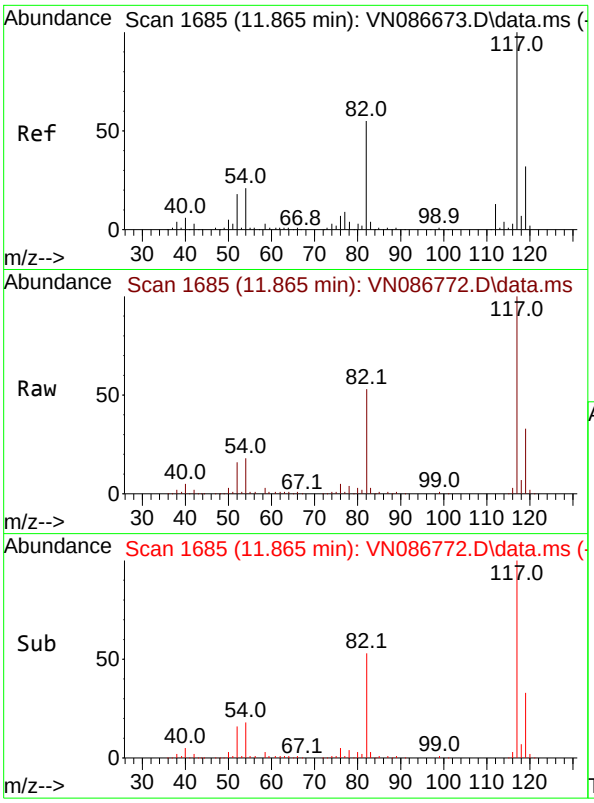


#62
4-Bromofluorobenzene
Concen: 52.467 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Tgt Ion: 95 Resp: 206691

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	145.4
176	71.9	0.0	137.8



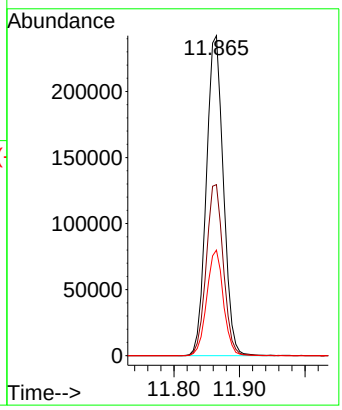


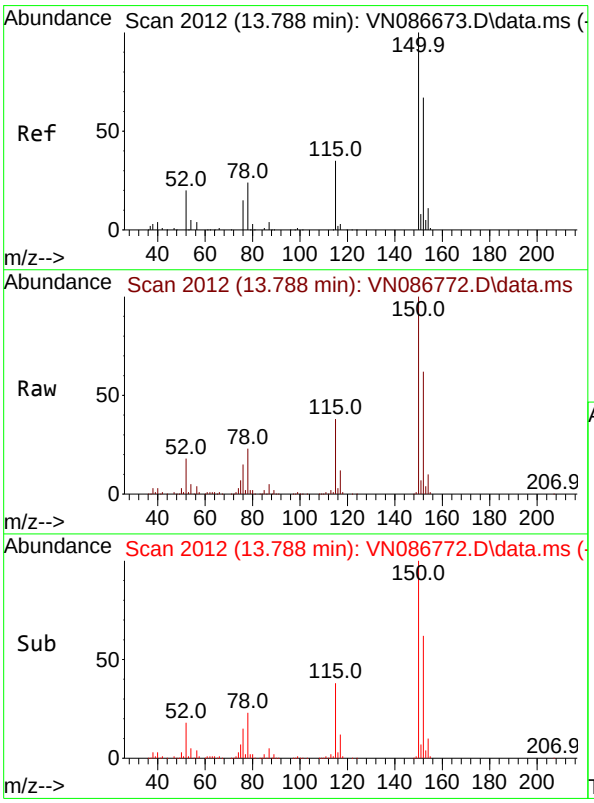
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-2

Tgt Ion:117 Resp: 437261

Ion	Ratio	Lower	Upper
117	100		
82	53.4	44.2	66.2
119	33.0	25.4	38.2

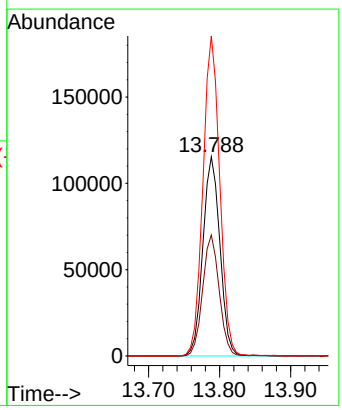


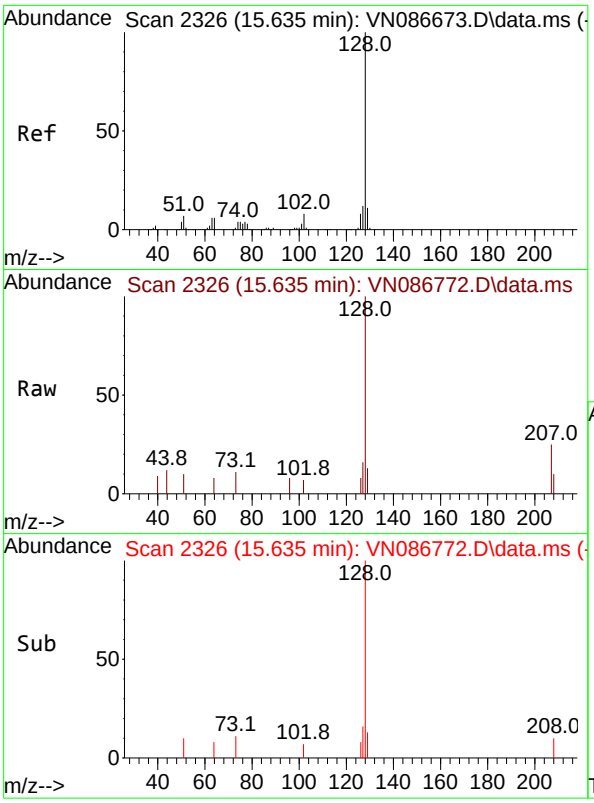


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Tgt Ion:152 Resp: 192791

Ion	Ratio	Lower	Upper
152	100		
115	58.9	30.0	90.1
150	158.5	0.0	347.8



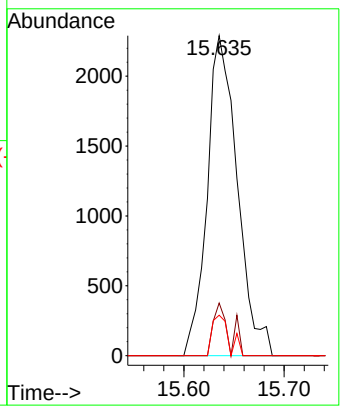


#95
Naphthalene
Concen: 0.530 ug/l
RT: 15.635 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN086772.D
Acq: 23 May 2025 12:40

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-2

Tgt Ion:128 Resp: 4789

Ion	Ratio	Lower	Upper
128	100		
127	6.5	10.1	15.1#
129	7.0	8.6	13.0#



CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ATGG01

Lab Code: CHEM Case No.: Q2116 SAS No.: Q2116 SDG No.: Q2116

Instrument ID: MSVOA_N Calibration Date(s): 05/16/2025 05/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 16:31 18:32

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

LAB FILE ID: RRF001 = VN086669.D RRF005 = VN086670.D RRF010 = VN086671.D
RRF020 = VN086672.D RRF050 = VN086673.D RRF100 = VN086674.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
Benzene	1.348	1.429	1.447	1.484	1.402	1.487	1.433	3.7
Toluene	0.765	0.898	0.891	0.956	0.887	0.947	0.891	7.7
Ethyl Benzene	1.715	1.837	1.869	1.972	1.865	2.009	1.878	5.6
m/p-Xylenes	0.592	0.704	0.718	0.762	0.717	0.774	0.711	9.1
o-Xylene	0.604	0.697	0.703	0.759	0.721	0.759	0.707	8.1
1,2-Dichloroethane-d4		0.718	0.658	0.687	0.693	0.698	0.691	3.2
Dibromofluoromethane		0.300	0.289	0.291	0.298	0.311	0.298	3
Toluene-d8		1.203	1.159	1.233	1.250	1.325	1.234	5
4-Bromofluorobenzene		0.412	0.403	0.433	0.450	0.481	0.436	7.2

* 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 : 82N051625W.M
Title : SW846 8260
Last Update : Sat May 17 00:46:13 2025
Response Via : Initial Calibration

Calibration Files
1 =VN086669.D 5 =VN086670.D 10 =VN086671.D 20 =VN086672.D 50 =VN086673.D 100 =VN086674.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.408	0.476	0.639	0.477	0.599	0.641	0.540	18.37
3)	P	Chloromethane	0.859	0.798	0.850	0.762	0.782	0.850	0.817	5.05
4)	C	Vinyl Chloride	0.655	0.708	0.780	0.713	0.753	0.792	0.733	7.00#
5)	T	Bromomethane		0.442	0.441	0.415	0.403	0.413	0.423	4.14
6)	T	Chloroethane	0.445	0.489	0.509	0.483	0.466	0.491	0.480	4.64
7)	T	Trichlorofluor...	0.777	0.887	0.892	0.899	0.880	0.925	0.877	5.85
8)	T	Diethyl Ether	0.325	0.367	0.364	0.374	0.360	0.382	0.362	5.43
9)	T	1,1,2-Trichlor...	0.449	0.535	0.544	0.544	0.528	0.549	0.525	7.25
10)	T	Methyl Iodide		0.595	0.657	0.656	0.651	0.706	0.653	6.03
11)	T	Tert butyl alc...		0.126	0.130	0.125	0.122	0.126	0.126	2.32
12)	CM	1,1-Dichloroet...	0.531	0.563	0.563	0.557	0.548	0.583	0.558	3.11#
13)	T	Acrolein		0.144	0.133	0.123	0.134	0.139	0.135	5.90
14)	T	Allyl chloride	0.786	0.805	0.910	0.864	0.824	0.875	0.844	5.55
15)	T	Acrylonitrile	0.265	0.310	0.319	0.334	0.311	0.330	0.312	8.00
16)	T	Acetone	0.286	0.252	0.259	0.257	0.243	0.254	0.258	5.71
17)	T	Carbon Disulfide	1.452	1.490	1.544	1.563	1.543	1.673	1.544	4.87
18)	T	Methyl Acetate	0.925	0.709	0.682	0.677	0.663	0.685	0.723	13.78
19)	T	Methyl tert-bu...	1.739	1.876	1.913	1.972	1.913	1.982	1.899	4.64
20)	T	Methylene Chlo...	0.746	0.683	0.670	0.679	0.631	0.684	0.682	5.44
21)	T	trans-1,2-Dich...	0.550	0.601	0.587	0.609	0.577	0.613	0.590	3.99
22)	T	Diisopropyl ether	1.668	1.927	1.927	2.007	1.922	1.976	1.904	6.35
23)	T	Vinyl Acetate	1.169	1.372	1.433	1.658	1.458	1.498	1.431	11.22
24)	P	1,1-Dichloroet...	1.049	1.127	1.126	1.146	1.104	1.156	1.118	3.44
25)	T	2-Butanone	0.361	0.404	0.398	0.414	0.402	0.418	0.399	5.07
26)	T	2,2-Dichloropr...	0.917	0.926	0.931	0.949	0.891	0.922	0.923	2.07
27)	T	cis-1,2-Dichlo...	0.681	0.721	0.721	0.754	0.712	0.754	0.724	3.80
28)	T	Bromochloromet...	0.489	0.526	0.519	0.506	0.508	0.501	0.508	2.58
29)	T	Tetrahydrofuran	0.226	0.257	0.262	0.280	0.265	0.274	0.261	7.16
30)	C	Chloroform	1.061	1.146	1.109	1.173	1.093	1.133	1.119	3.54#
31)	T	Cyclohexane		1.105	1.060	1.023	0.983	1.013	1.037	4.54
32)	T	1,1,1-Trichlor...	0.874	0.936	0.949	0.986	0.945	0.971	0.944	4.09
33)	S	1,2-Dichloroet...		0.718	0.658	0.687	0.693	0.698	0.691	3.16
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.300	0.289	0.291	0.298	0.311	0.298	2.97
36)	T	1,1-Dichloropr...	0.405	0.437	0.442	0.450	0.435	0.465	0.439	4.50
37)	T	Ethyl Acetate	0.425	0.456	0.441	0.456	0.436	0.448	0.444	2.77
38)	T	Carbon Tetrach...	0.384	0.438	0.430	0.460	0.430	0.454	0.433	6.19
39)	T	Methylcyclohexane	0.436	0.460	0.466	0.496	0.482	0.513	0.475	5.78
40)	TM	Benzene	1.348	1.429	1.447	1.484	1.402	1.487	1.433	3.68
41)	T	Methacrylonitrile	0.216	0.242	0.246	0.248	0.240	0.246	0.240	4.96
42)	TM	1,2-Dichloroet...	0.413	0.457	0.451	0.467	0.438	0.452	0.446	4.22
43)	T	Isopropyl Acetate	1.138	0.956	0.840	0.852	0.771	0.780	0.889	15.59
44)	TM	Trichloroethene	0.306	0.341	0.358	0.361	0.343	0.365	0.346	6.33
45)	C	1,2-Dichloropr...	0.311	0.337	0.343	0.363	0.336	0.352	0.340	5.19#
46)	T	Dibromomethane	0.204	0.226	0.238	0.245	0.228	0.238	0.230	6.38
47)	T	Bromodichlorom...	0.437	0.468	0.469	0.496	0.471	0.497	0.473	4.65
48)	T	Methyl methacr...	0.305	0.338	0.338	0.369	0.351	0.366	0.345	6.74
49)	T	1,4-Dioxane	0.007	0.007	0.008	0.007	0.007	0.007	0.007	5.24
50)	S	Toluene-d8		1.203	1.159	1.233	1.250	1.325	1.234	4.98
51)	T	4-Methyl-2-Pen...	0.396	0.448	0.452	0.478	0.451	0.467	0.449	6.25
52)	CM	Toluene	0.765	0.898	0.891	0.956	0.887	0.947	0.891	7.68#
53)	T	t-1,3-Dichloro...	0.433	0.483	0.489	0.533	0.514	0.554	0.501	8.54
54)	T	cis-1,3-Dichlo...	0.485	0.537	0.552	0.576	0.546	0.586	0.547	6.48
55)	T	1,1,2-Trichlor...	0.324	0.338	0.327	0.346	0.321	0.338	0.332	2.90
56)	T	Ethyl methacry...	0.440	0.505	0.526	0.575	0.557	0.597	0.533	10.57

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N051625W.M

57)	T	1,3-Dichloropr...	0.512	0.587	0.571	0.608	0.562	0.594	0.572	5.91
58)	T	2-Chloroethyl ...	0.177	0.229	0.241	0.250	0.259	0.275	0.238	14.17
59)	T	2-Hexanone	0.282	0.317	0.331	0.357	0.333	0.346	0.328	8.06
60)	T	Dibromochlorom...	0.301	0.334	0.347	0.374	0.349	0.384	0.348	8.44
61)	T	1,2-Dibromoethane	0.289	0.332	0.340	0.353	0.334	0.354	0.334	7.15
62)	S	4-Bromofluorob...		0.412	0.403	0.433	0.450	0.481	0.436	7.16
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.357	0.396	0.392	0.392	0.369	0.392	0.383	4.19
65)	PM	Chlorobenzene	1.030	1.112	1.109	1.138	1.060	1.130	1.096	3.86
66)	T	1,1,1,2-Tetrac...	0.338	0.346	0.358	0.366	0.349	0.367	0.354	3.26
67)	C	Ethyl Benzene	1.715	1.837	1.869	1.972	1.865	2.009	1.878	5.56#
68)	T	m/p-Xylenes	0.592	0.704	0.718	0.762	0.717	0.774	0.711	9.12
69)	T	o-Xylene	0.604	0.697	0.703	0.759	0.721	0.759	0.707	8.06
70)	T	Styrene	0.951	1.119	1.128	1.259	1.200	1.288	1.158	10.50
71)	P	Bromoform	0.214	0.243	0.247	0.265	0.261	0.281	0.252	9.18
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.739	3.814	3.903	4.151	3.541	4.022	3.862	5.58
74)	T	N-amyl acetate	1.517	1.613	1.653	1.739	1.510	1.649	1.613	5.44
75)	P	1,1,2,2-Tetrac...	1.142	1.252	1.255	1.260	1.054	1.156	1.186	7.03
76)	T	1,2,3-Trichlor...	1.144	1.045	1.202	1.225	1.037	1.131	1.131	6.88
77)	T	Bromobenzene	1.039	0.954	0.981	1.002	0.872	0.981	0.971	5.81
78)	T	n-propylbenzene	4.177	4.301	4.383	4.780	4.195	4.754	4.432	6.10
79)	T	2-Chlorotoluene	2.764	2.914	2.943	3.056	2.667	2.946	2.882	4.89
80)	T	1,3,5-Trimethy...	2.827	3.050	3.168	3.330	2.932	3.256	3.094	6.25
81)	T	trans-1,4-Dich...		0.390	0.422	0.505	0.449	0.474	0.448	10.01
82)	T	4-Chlorotoluene	2.734	2.787	2.922	3.069	2.656	2.960	2.855	5.43
83)	T	tert-Butylbenzene	2.564	2.639	2.781	2.929	2.499	2.778	2.698	5.93
84)	T	1,2,4-Trimethy...	2.725	3.002	3.143	3.339	2.983	3.295	3.081	7.39
85)	T	sec-Butylbenzene	3.223	3.516	3.750	3.887	3.455	3.876	3.618	7.31
86)	T	p-Isopropyltol...	2.643	2.835	2.954	3.198	2.901	3.262	2.965	7.80
87)	T	1,3-Dichlorobe...	1.619	1.715	1.707	1.734	1.602	1.715	1.682	3.35
88)	T	1,4-Dichlorobe...	1.587	1.673	1.695	1.751	1.583	1.711	1.667	4.10
89)	T	n-Butylbenzene	2.234	2.274	2.398	2.630	2.443	2.771	2.458	8.45
90)	T	Hexachloroethane	0.431	0.473	0.492	0.526	0.475	0.556	0.492	8.92
91)	T	1,2-Dichlorobe...	1.574	1.585	1.636	1.655	1.550	1.600	1.600	2.45
92)	T	1,2-Dibromo-3-...	0.164	0.205	0.194	0.200	0.201	0.215	0.197	8.86
93)	T	1,2,4-Trichlor...	0.577	0.629	0.658	0.720	0.686	0.782	0.675	10.59
94)	T	Hexachlorobuta...	0.312	0.280	0.262	0.282	0.263	0.283	0.280	6.54
95)	T	Naphthalene	2.146	2.123	2.231	2.425	2.418	2.727	2.345	9.71
96)	T	1,2,3-Trichlor...	0.626	0.612	0.664	0.674	0.653	0.739	0.661	6.77

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086669.D
Acq On : 16 May 2025 16:31
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 00:11:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	204431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	373632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	326222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120460	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	1668	0.687	ug/l	92
3) Chloromethane	2.359	50	3511	0.992	ug/l	91
4) Vinyl Chloride	2.518	62	2679	0.803	ug/l	92
6) Chloroethane	3.118	64	1819	0.817	ug/l #	82
7) Trichlorofluoromethane	3.494	101	3176	0.851	ug/l #	82
8) Diethyl Ether	3.959	74	1329	0.823	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	1834	0.814	ug/l	96
12) 1,1-Dichloroethene	4.336	96	2173	0.904	ug/l #	83
14) Allyl chloride	5.024	41	3215	0.764	ug/l	94
15) Acrylonitrile	5.718	53	5412	4.060	ug/l	99
16) Acetone	4.436	43	5855	4.962	ug/l	93
17) Carbon Disulfide	4.724	76	5935	0.825	ug/l #	92
18) Methyl Acetate	5.024	43	3780	1.087	ug/l #	81
19) Methyl tert-butyl Ether	5.800	73	7109	0.810	ug/l	99
20) Methylene Chloride	5.271	84	3050	1.110	ug/l #	96
21) trans-1,2-Dichloroethene	5.794	96	2250	0.894	ug/l #	73
22) Diisopropyl ether	6.671	45	6818	0.743	ug/l #	96
23) Vinyl Acetate	6.600	43	23893	3.683	ug/l	99
24) 1,1-Dichloroethane	6.571	63	4288	0.877	ug/l #	82
25) 2-Butanone	7.482	43	7380	4.035	ug/l	96
26) 2,2-Dichloropropane	7.488	77	3751	0.866	ug/l	91
27) cis-1,2-Dichloroethene	7.488	96	2786	0.893	ug/l	94
28) Bromochloromethane	7.818	49	1999	0.957	ug/l #	86
29) Tetrahydrofuran	7.847	42	4627	3.784	ug/l	99
30) Chloroform	7.965	83	4340	0.901	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	3575	0.867	ug/l #	51
36) 1,1-Dichloropropene	8.371	75	3030	0.877	ug/l	93
37) Ethyl Acetate	7.559	43	3175	0.874	ug/l #	69
38) Carbon Tetrachloride	8.359	117	2873	0.869	ug/l #	85
39) Methylcyclohexane	9.600	83	3255	0.801	ug/l	92
40) Benzene	8.606	78	10071	0.908	ug/l	96
41) Methacrylonitrile	7.782	41	1615	0.775	ug/l #	57
42) 1,2-Dichloroethane	8.665	62	3087	0.874	ug/l	80
43) Isopropyl Acetate	8.682	43	8505m	0.980	ug/l	
44) Trichloroethene	9.353	130	2284	0.866	ug/l	93
45) 1,2-Dichloropropane	9.618	63	2325	0.861	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086669.D
Acq On : 16 May 2025 16:31
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:11:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	9.706	93	1521	0.878	ug/l		95
47) Bromodichloromethane	9.882	83	3268	0.875	ug/l	#	87
48) Methyl methacrylate	9.676	41	2282	0.725	ug/l		97
49) 1,4-Dioxane	9.700	88	978	17.569	ug/l	#	73
51) 4-Methyl-2-Pentanone	10.441	43	14811	4.011	ug/l		97
52) Toluene	10.623	92	5713	0.826	ug/l		91
53) t-1,3-Dichloropropene	10.835	75	3234	0.783	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	3626	0.798	ug/l	#	86
55) 1,1,2-Trichloroethane	11.018	97	2419	0.970	ug/l	#	79
56) Ethyl methacrylate	10.870	69	3289	0.722	ug/l		96
57) 1,3-Dichloropropane	11.159	76	3826	0.866	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	6624	3.099	ug/l		99
59) 2-Hexanone	11.194	43	10521	3.837	ug/l		91
60) Dibromochloromethane	11.359	129	2253	0.825	ug/l		98
61) 1,2-Dibromoethane	11.470	107	2160	0.855	ug/l		99
64) Tetrachloroethene	11.100	164	2329	0.929	ug/l		88
65) Chlorobenzene	11.888	112	6720	0.922	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.953	131	2204	0.917	ug/l	#	60
67) Ethyl Benzene	11.959	91	11189	0.855	ug/l		95
68) m/p-Xylenes	12.065	106	7721	1.572	ug/l		97
69) o-Xylene	12.394	106	3944	0.809	ug/l		95
70) Styrene	12.412	104	6208	0.767	ug/l		99
71) Bromoform	12.576	173	1394	0.771	ug/l	#	99
73) Isopropylbenzene	12.694	105	9008	0.921	ug/l		96
74) N-amyl acetate	12.488	43	3655	0.762	ug/l		92
75) 1,1,2,2-Tetrachloroethane	12.935	83	2752	0.969	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	2756m	0.972	ug/l		
77) Bromobenzene	12.976	156	2503	1.142	ug/l		93
78) n-propylbenzene	13.029	91	10063	0.875	ug/l		95
79) 2-Chlorotoluene	13.123	91	6658	0.921	ug/l		95
80) 1,3,5-Trimethylbenzene	13.170	105	6811	0.851	ug/l		100
82) 4-Chlorotoluene	13.217	91	6587	0.920	ug/l		94
83) tert-Butylbenzene	13.435	119	6176	0.889	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	6564	0.807	ug/l		99
85) sec-Butylbenzene	13.611	105	7764	0.811	ug/l		100
86) p-Isopropyltoluene	13.729	119	6368	0.807	ug/l		94
87) 1,3-Dichlorobenzene	13.729	146	3900	0.951	ug/l		94
88) 1,4-Dichlorobenzene	13.806	146	3823m	0.928	ug/l		
89) n-Butylbenzene	14.053	91	5382	0.777	ug/l		97
90) Hexachloroethane	14.329	117	1038	0.782	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	3792	0.954	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	395	0.702	ug/l	#	65
93) 1,2,4-Trichlorobenzene	15.394	180	1389	0.741	ug/l		88
94) Hexachlorobutadiene	15.500	225	752	1.056	ug/l		82
95) Naphthalene	15.635	128	5170	0.777	ug/l		96
96) 1,2,3-Trichlorobenzene	15.841	180	1509	0.847	ug/l		91

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

ICAL Form

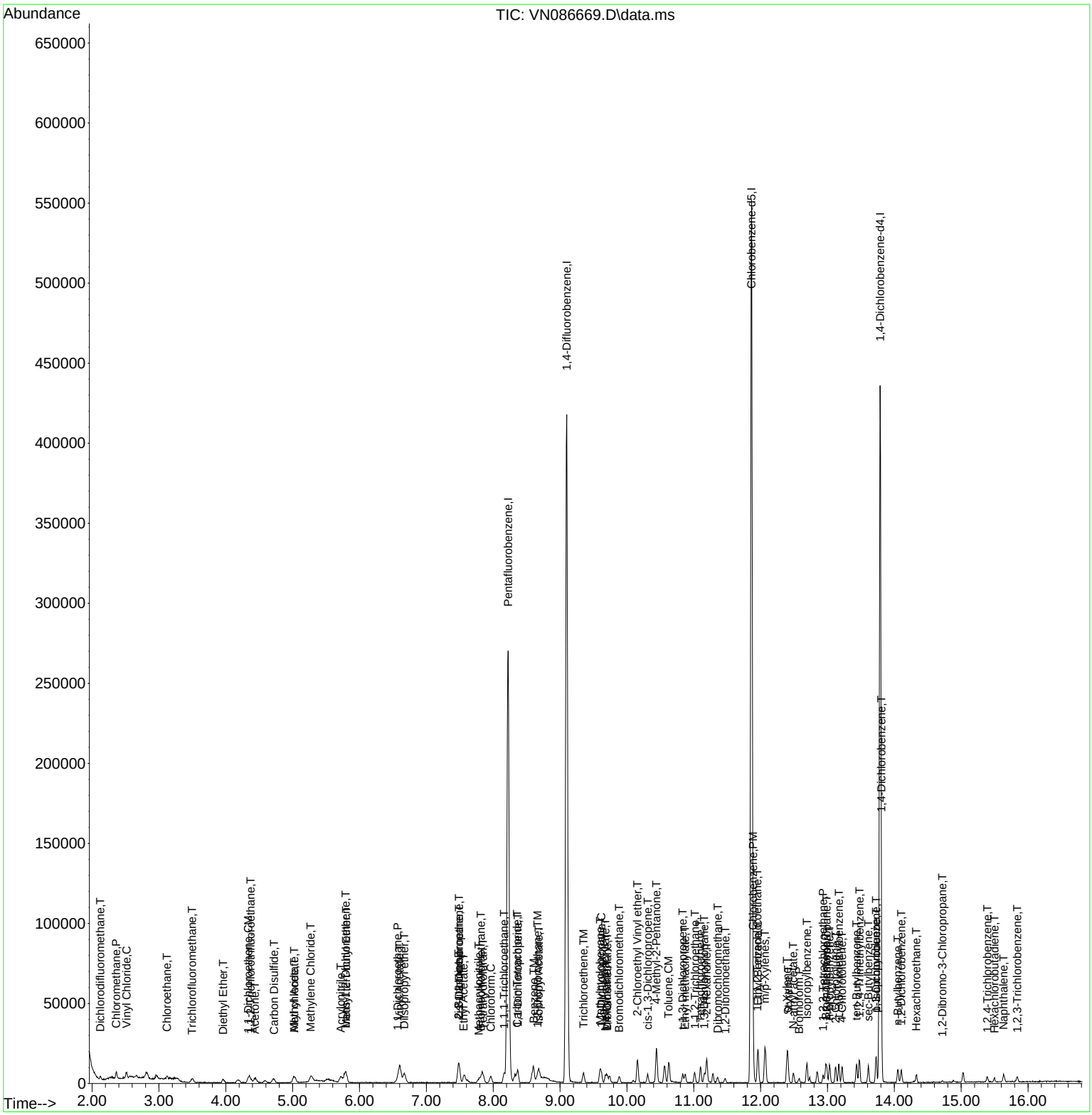
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086669.D
Acq On : 16 May 2025 16:31
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 00:11:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086670.D
Acq On : 16 May 2025 16:55
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:12:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.218	168	199484	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	363475	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	327745	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138972	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.576	65	14329	4.989	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	9.980%#			
35) Dibromofluoromethane	8.159	113	10911	6.032	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	12.060%#			
50) Toluene-d8	10.565	98	43744	4.852	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.700%#			
62) 4-Bromofluorobenzene	12.847	95	14966	4.570	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.140%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	9487	4.002	ug/l		98
3) Chloromethane	2.359	50	15910	4.605	ug/l		93
4) Vinyl Chloride	2.512	62	14120	4.338	ug/l		91
5) Bromomethane	2.942	94	8815	5.827	ug/l		95
6) Chloroethane	3.118	64	9752	4.490	ug/l		94
7) Trichlorofluoromethane	3.494	101	17692	4.855	ug/l		94
8) Diethyl Ether	3.953	74	7321	4.643	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.377	101	10672	4.852	ug/l		98
10) Methyl Iodide	4.583	142	11863	4.827	ug/l		91
11) Tert butyl alcohol	5.524	59	12572	23.903	ug/l	#	86
12) 1,1-Dichloroethene	4.341	96	11235	4.790	ug/l		93
13) Acrolein	4.177	56	14380	40.124	ug/l		97
14) Allyl chloride	5.024	41	16060	3.913	ug/l		98
15) Acrylonitrile	5.718	53	30877	23.738	ug/l		99
16) Acetone	4.424	43	25108	21.808	ug/l		94
17) Carbon Disulfide	4.712	76	29733	4.235	ug/l		99
18) Methyl Acetate	5.024	43	14135	4.165	ug/l		98
19) Methyl tert-butyl Ether	5.794	73	37422	4.369	ug/l		96
20) Methylene Chloride	5.271	84	13630	5.082	ug/l		94
21) trans-1,2-Dichloroethene	5.788	96	11984	4.879	ug/l		90
22) Diisopropyl ether	6.665	45	38431	4.292	ug/l		97
23) Vinyl Acetate	6.600	43	136818m	21.613	ug/l		
24) 1,1-Dichloroethane	6.565	63	22481	4.714	ug/l		97
25) 2-Butanone	7.482	43	40273	22.565	ug/l		99
26) 2,2-Dichloropropane	7.488	77	18472	4.369	ug/l		99
27) cis-1,2-Dichloroethene	7.488	96	14376	4.720	ug/l		97
28) Bromochloromethane	7.812	49	10493	5.145	ug/l	#	100
29) Tetrahydrofuran	7.841	42	25661	21.506	ug/l		100
30) Chloroform	7.959	83	22851	4.863	ug/l		98
31) Cyclohexane	8.253	56	22050	4.771	ug/l		97
32) 1,1,1-Trichloroethane	8.165	97	18669	4.640	ug/l		91
36) 1,1-Dichloropropene	8.365	75	15893	4.729	ug/l		99
37) Ethyl Acetate	7.559	43	16573m	4.689	ug/l		
38) Carbon Tetrachloride	8.359	117	15908	4.944	ug/l		90
39) Methylcyclohexane	9.600	83	16719	4.228	ug/l		91
40) Benzene	8.606	78	51932	4.814	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086670.D
Acq On : 16 May 2025 16:55
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 17 00:12:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	8791	4.338	ug/l		94
42) 1,2-Dichloroethane	8.665	62	16621	4.839	ug/l		99
43) Isopropyl Acetate	8.682	43	34745	4.117	ug/l	#	91
44) Trichloroethene	9.353	130	12394	4.833	ug/l		92
45) 1,2-Dichloropropane	9.618	63	12252	4.665	ug/l		94
46) Dibromomethane	9.706	93	8214	4.876	ug/l		97
47) Bromodichloromethane	9.888	83	17028	4.689	ug/l		100
48) Methyl methacrylate	9.676	41	12296	4.016	ug/l		96
49) 1,4-Dioxane	9.688	88	5357	98.922	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.441	43	81358	22.646	ug/l		99
52) Toluene	10.629	92	32634	4.849	ug/l		97
53) t-1,3-Dichloropropene	10.829	75	17545	4.365	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	19516	4.414	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	12277	5.058	ug/l		94
56) Ethyl methacrylate	10.870	69	18350	4.144	ug/l		97
57) 1,3-Dichloropropane	11.159	76	21342	4.967	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	41611	20.009	ug/l		99
59) 2-Hexanone	11.194	43	57606	21.598	ug/l		98
60) Dibromochloromethane	11.359	129	12131	4.568	ug/l		100
61) 1,2-Dibromoethane	11.465	107	12079	4.917	ug/l		98
64) Tetrachloroethene	11.100	164	12989	5.155	ug/l		97
65) Chlorobenzene	11.888	112	36442	4.975	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	11341	4.696	ug/l		98
67) Ethyl Benzene	11.959	91	60213	4.582	ug/l		99
68) m/p-Xylenes	12.070	106	46152	9.352	ug/l		99
69) o-Xylene	12.394	106	22829	4.659	ug/l		100
70) Styrene	12.406	104	36686	4.513	ug/l		99
71) Bromoform	12.576	173	7950	4.376	ug/l	#	98
73) Isopropylbenzene	12.694	105	53004	4.698	ug/l		99
74) N-amyl acetate	12.488	43	22422	4.051	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	17395	5.308	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	14523m	4.438	ug/l		
77) Bromobenzene	12.976	156	13253	5.241	ug/l		99
78) n-propylbenzene	13.029	91	59767	4.507	ug/l		99
79) 2-Chlorotoluene	13.123	91	40497	4.856	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	42383	4.589	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.729	75	5413	3.983	ug/l		92
82) 4-Chlorotoluene	13.217	91	38730	4.691	ug/l		99
83) tert-Butylbenzene	13.435	119	36669	4.577	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	41716	4.445	ug/l		98
85) sec-Butylbenzene	13.611	105	48868	4.426	ug/l		99
86) p-Isopropyltoluene	13.723	119	39399	4.330	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	23834	5.037	ug/l		98
88) 1,4-Dichlorobenzene	13.806	146	23246	4.889	ug/l		93
89) n-Butylbenzene	14.053	91	31605	3.957	ug/l		98
90) Hexachloroethane	14.329	117	6569	4.292	ug/l		97
91) 1,2-Dichlorobenzene	14.100	146	22033	4.803	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.711	75	2855	4.399	ug/l		90
93) 1,2,4-Trichlorobenzene	15.388	180	8745	4.045	ug/l		98
94) Hexachlorobutadiene	15.494	225	3892	4.737	ug/l		94
95) Naphthalene	15.641	128	29507	3.845	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	8499	4.134	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086670.D
Acq On : 16 May 2025 16:55
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:12:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

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

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

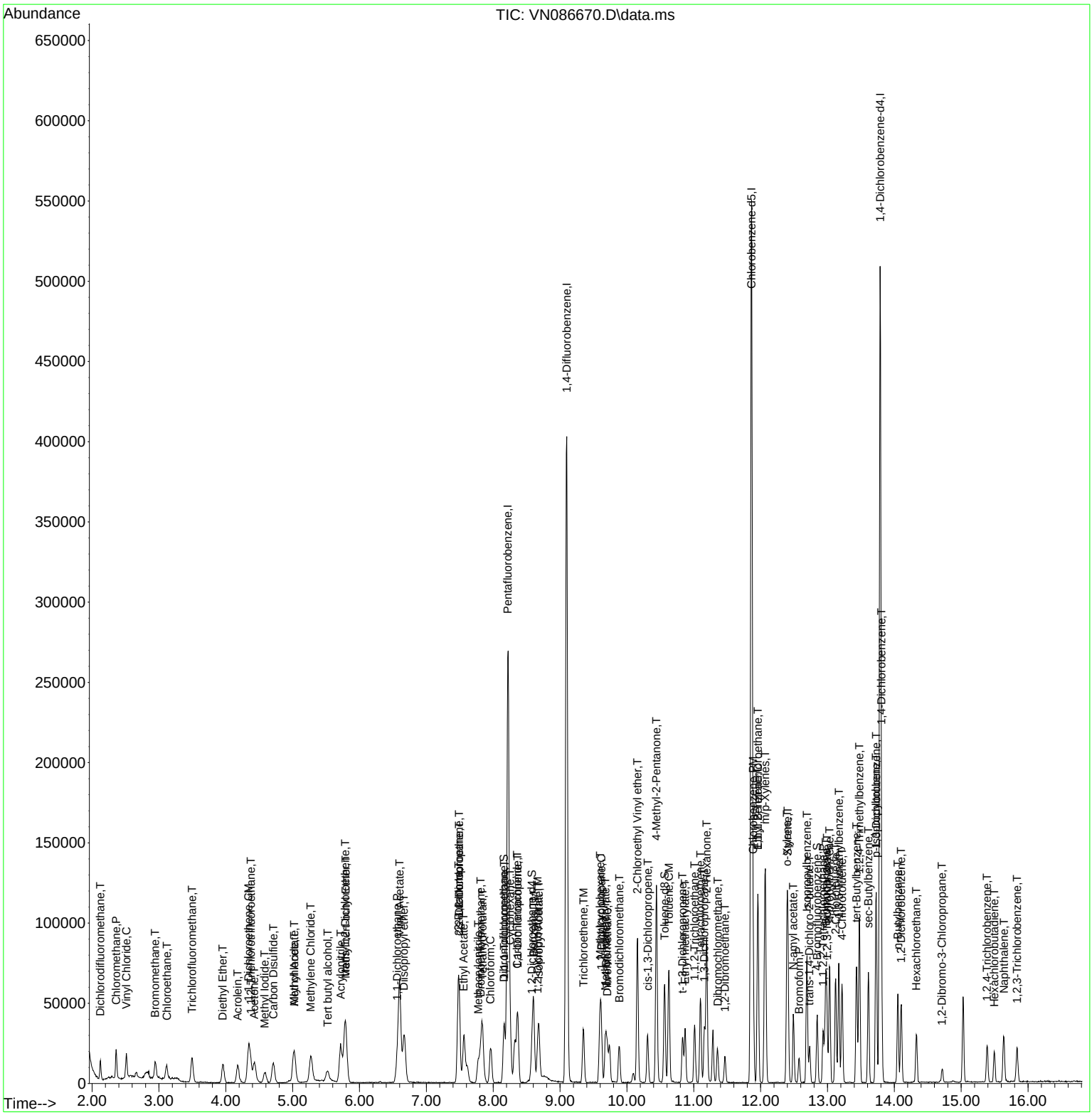
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086670.D
Acq On : 16 May 2025 16:55
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 17 00:12:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086671.D
Acq On : 16 May 2025 17:19
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:13:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	190888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	347826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	310401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	25122	9.141	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	18.280%#		
35) Dibromofluoromethane	8.159	113	20087	11.605	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	23.220%#		
50) Toluene-d8	10.565	98	80603	9.343	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	18.680%#		
62) 4-Bromofluorobenzene	12.847	95	28023	8.941	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	17.880%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	24398	10.757	ug/l	99
3) Chloromethane	2.359	50	32457	9.817	ug/l	97
4) Vinyl Chloride	2.512	62	29779	9.561	ug/l	99
5) Bromomethane	2.965	94	16825	11.623	ug/l	98
6) Chloroethane	3.118	64	19426	9.346	ug/l	92
7) Trichlorofluoromethane	3.500	101	34059	9.768	ug/l	92
8) Diethyl Ether	3.965	74	13912	9.221	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	20760	9.864	ug/l	97
10) Methyl Iodide	4.583	142	25084	10.666	ug/l	98
11) Tert butyl alcohol	5.524	59	24828	49.332	ug/l	96
12) 1,1-Dichloroethene	4.342	96	21501	9.579	ug/l	98
13) Acrolein	4.177	56	25323	73.840	ug/l	98
14) Allyl chloride	5.024	41	34751	8.848	ug/l	94
15) Acrylonitrile	5.724	53	60987	48.997	ug/l	98
16) Acetone	4.430	43	49424	44.862	ug/l	97
17) Carbon Disulfide	4.706	76	58965	8.778	ug/l	99
18) Methyl Acetate	5.018	43	26047	8.021	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	73019	8.908	ug/l	98
20) Methylene Chloride	5.283	84	25575	9.965	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	22422	9.539	ug/l	93
22) Diisopropyl ether	6.671	45	73555	8.584	ug/l	97
23) Vinyl Acetate	6.600	43	273527m	45.155	ug/l	
24) 1,1-Dichloroethane	6.565	63	42997	9.421	ug/l	98
25) 2-Butanone	7.482	43	75976	44.487	ug/l	100
26) 2,2-Dichloropropane	7.488	77	35543	8.785	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	27508	9.439	ug/l	100
28) Bromochloromethane	7.812	49	19798	10.145	ug/l	99
29) Tetrahydrofuran	7.841	42	50074	43.856	ug/l	100
30) Chloroform	7.959	83	42323	9.413	ug/l	96
31) Cyclohexane	8.259	56	40462	9.148	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	36234	9.412	ug/l	94
36) 1,1-Dichloropropene	8.371	75	30748	9.561	ug/l	99
37) Ethyl Acetate	7.559	43	30656	9.064	ug/l	99
38) Carbon Tetrachloride	8.359	117	29903	9.712	ug/l	98
39) Methylcyclohexane	9.600	83	32439	8.573	ug/l	98
40) Benzene	8.606	78	100693	9.755	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086671.D
Acq On : 16 May 2025 17:19
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 17 00:13:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	17107	8.821	ug/l		95
42) 1,2-Dichloroethane	8.665	62	31399	9.553	ug/l		100
43) Isopropyl Acetate	8.688	43	58427	7.234	ug/l		96
44) Trichloroethene	9.353	130	24877	10.137	ug/l		93
45) 1,2-Dichloropropane	9.618	63	23844	9.487	ug/l		94
46) Dibromomethane	9.706	93	16556	10.271	ug/l		98
47) Bromodichloromethane	9.888	83	32635	9.391	ug/l		98
48) Methyl methacrylate	9.676	41	23538	8.034	ug/l		96
49) 1,4-Dioxane	9.694	88	10578	204.120	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	157047	45.680	ug/l		100
52) Toluene	10.629	92	61995	9.627	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	34038	8.850	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	38382	9.072	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	22750	9.795	ug/l		97
56) Ethyl methacrylate	10.871	69	36596	8.636	ug/l		97
57) 1,3-Dichloropropane	11.159	76	39702	9.655	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	83758	42.087	ug/l		99
59) 2-Hexanone	11.194	43	115102	45.097	ug/l		98
60) Dibromochloromethane	11.359	129	24137	9.497	ug/l		98
61) 1,2-Dibromoethane	11.465	107	23669	10.068	ug/l		100
64) Tetrachloroethene	11.100	164	24331	10.197	ug/l		97
65) Chlorobenzene	11.888	112	68845	9.924	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	22204	9.708	ug/l		99
67) Ethyl Benzene	11.959	91	116022	9.322	ug/l		98
68) m/p-Xylenes	12.070	106	89159	19.076	ug/l		98
69) o-Xylene	12.394	106	43625	9.401	ug/l		96
70) Styrene	12.406	104	70053	9.099	ug/l		98
71) Bromoform	12.576	173	15340	8.916	ug/l	#	96
73) Isopropylbenzene	12.694	105	103176	9.616	ug/l		100
74) N-amyl acetate	12.488	43	43684	8.299	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	33161	10.640	ug/l		96
76) 1,2,3-Trichloropropane	12.988	75	31781m	10.213	ug/l		
77) Bromobenzene	12.976	156	25936	10.785	ug/l		99
78) n-propylbenzene	13.035	91	115866	9.188	ug/l		99
79) 2-Chlorotoluene	13.123	91	77792	9.808	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	83733	9.534	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.729	75	11161	8.635	ug/l		96
82) 4-Chlorotoluene	13.217	91	77247	9.839	ug/l		98
83) tert-Butylbenzene	13.435	119	73503	9.647	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	83086	9.310	ug/l		98
85) sec-Butylbenzene	13.611	105	99120	9.441	ug/l		97
86) p-Isopropyltoluene	13.723	119	78078	9.023	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	45121	10.027	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	44799	9.907	ug/l		98
89) n-Butylbenzene	14.053	91	63385	8.345	ug/l		99
90) Hexachloroethane	14.329	117	13004	8.934	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	43237	9.912	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5136	8.321	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	17399	8.463	ug/l		99
94) Hexachlorobutadiene	15.494	225	6916	8.850	ug/l		97
95) Naphthalene	15.641	128	58965	8.080	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	17539	8.970	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086671.D
Acq On : 16 May 2025 17:19
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:13:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 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

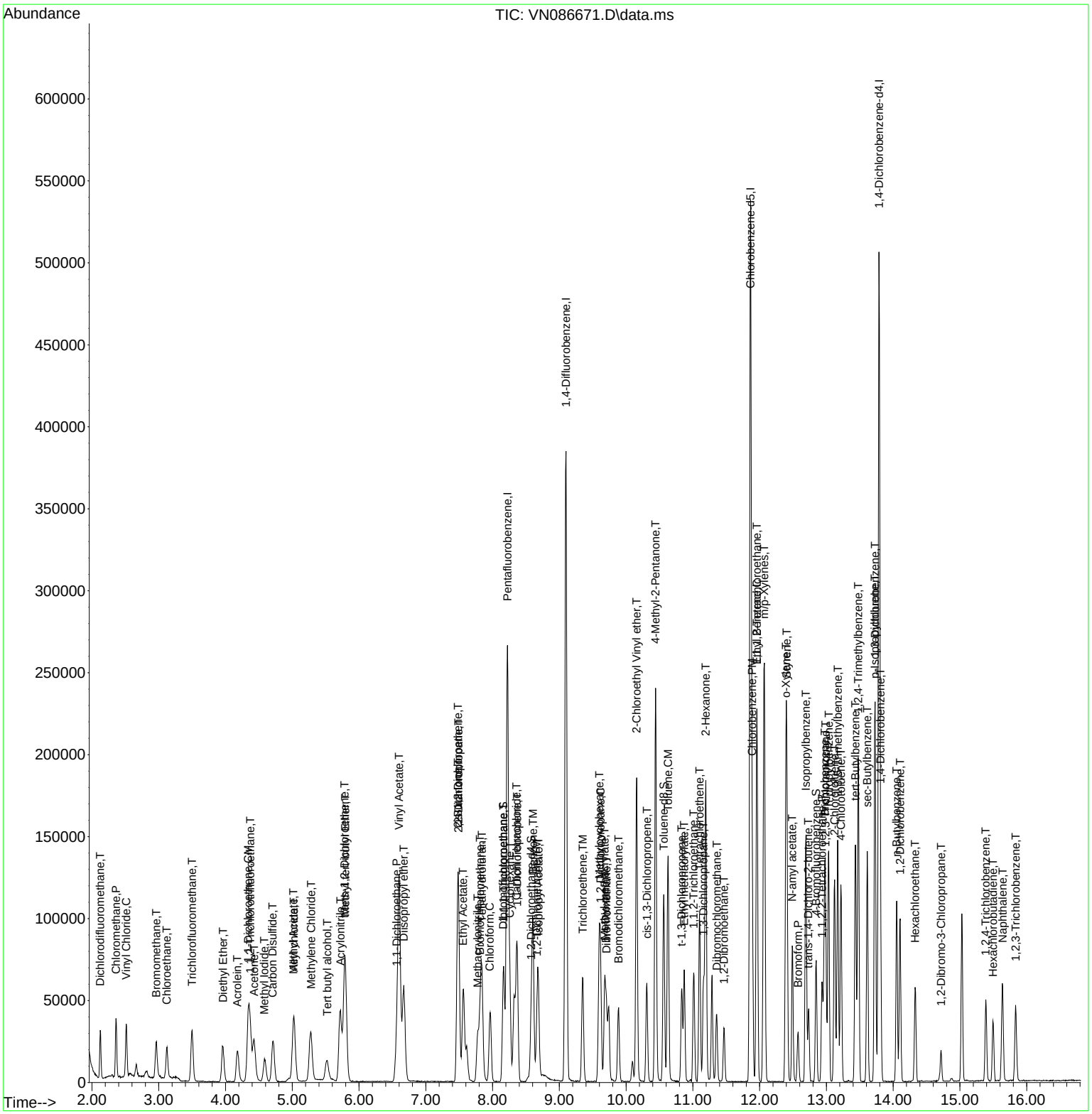
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086671.D
Acq On : 16 May 2025 17:19
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 17 00:13:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086672.D
Acq On : 16 May 2025 17:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 17 00:15:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	197408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	359594	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	330521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	54239	19.085	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.160%#		
35) Dibromofluoromethane	8.165	113	41801	23.360	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	46.720%#		
50) Toluene-d8	10.565	98	177303	19.879	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.760%#		
62) 4-Bromofluorobenzene	12.847	95	62323	19.235	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.460%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	37640	16.047	ug/l	97
3) Chloromethane	2.359	50	60191	17.604	ug/l	97
4) Vinyl Chloride	2.512	62	56269	17.470	ug/l	98
5) Bromomethane	2.947	94	32779	21.896	ug/l	98
6) Chloroethane	3.118	64	38167	17.756	ug/l	95
7) Trichlorofluoromethane	3.495	101	70950	19.676	ug/l	96
8) Diethyl Ether	3.959	74	29534	18.929	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	42920	19.720	ug/l	99
10) Methyl Iodide	4.589	142	51783	21.291	ug/l	98
11) Tert butyl alcohol	5.512	59	49484	95.074	ug/l	100
12) 1,1-Dichloroethene	4.336	96	44017	18.962	ug/l	97
13) Acrolein	4.177	56	48522	136.813	ug/l	99
14) Allyl chloride	5.024	41	68204	16.792	ug/l	99
15) Acrylonitrile	5.718	53	131858	102.437	ug/l	99
16) Acetone	4.424	43	101424	89.021	ug/l	98
17) Carbon Disulfide	4.712	76	123380	17.760	ug/l	99
18) Methyl Acetate	5.024	43	53481	15.926	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	155717	18.369	ug/l	98
20) Methylene Chloride	5.271	84	53580	20.187	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	48109	19.791	ug/l	99
22) Diisopropyl ether	6.671	45	158492	17.885	ug/l	97
23) Vinyl Acetate	6.600	43	654499	104.479	ug/l	99
24) 1,1-Dichloroethane	6.565	63	90501	19.175	ug/l	99
25) 2-Butanone	7.482	43	163572	92.615	ug/l	100
26) 2,2-Dichloropropane	7.488	77	74939	17.911	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	59558	19.761	ug/l	99
28) Bromochloromethane	7.806	49	39958	19.800	ug/l	100
29) Tetrahydrofuran	7.835	42	110374	93.475	ug/l	99
30) Chloroform	7.965	83	92604	19.916	ug/l	97
31) Cyclohexane	8.253	56	80800	17.665	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	77893	19.565	ug/l	98
36) 1,1-Dichloropropene	8.371	75	64751	19.476	ug/l	100
37) Ethyl Acetate	7.559	43	65633	18.770	ug/l	99
38) Carbon Tetrachloride	8.359	117	66190	20.795	ug/l	99
39) Methylcyclohexane	9.600	83	71304	18.227	ug/l	99
40) Benzene	8.606	78	213460	20.002	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086672.D
Acq On : 16 May 2025 17:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 17 00:15:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	35706	17.809	ug/l		100
42) 1,2-Dichloroethane	8.665	62	67134	19.757	ug/l		100
43) Isopropyl Acetate	8.688	43	122489	14.669	ug/l		98
44) Trichloroethene	9.347	130	51930	20.468	ug/l		99
45) 1,2-Dichloropropane	9.618	63	52246	20.108	ug/l		98
46) Dibromomethane	9.706	93	35245	21.150	ug/l		99
47) Bromodichloromethane	9.882	83	71409	19.877	ug/l		98
48) Methyl methacrylate	9.676	41	53023	17.506	ug/l		98
49) 1,4-Dioxane	9.694	88	21528	401.824	ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	343562	96.661	ug/l		99
52) Toluene	10.629	92	137539	20.659	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	76705	19.291	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	82783	18.925	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	49729	20.709	ug/l		98
56) Ethyl methacrylate	10.871	69	82716	18.880	ug/l		97
57) 1,3-Dichloropropane	11.159	76	87454	20.572	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	179575	87.281	ug/l		99
59) 2-Hexanone	11.194	43	257013	97.403	ug/l		99
60) Dibromochloromethane	11.359	129	53776	20.466	ug/l		98
61) 1,2-Dibromoethane	11.465	107	50846	20.921	ug/l		98
64) Tetrachloroethene	11.100	164	51785	20.381	ug/l		96
65) Chlorobenzene	11.888	112	150439	20.366	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	48349	19.851	ug/l		99
67) Ethyl Benzene	11.959	91	260721	19.673	ug/l		100
68) m/p-Xylenes	12.065	106	201601	40.507	ug/l		100
69) o-Xylene	12.394	106	100301	20.298	ug/l		97
70) Styrene	12.406	104	166436	20.301	ug/l		99
71) Bromoform	12.576	173	35068	19.141	ug/l	#	97
73) Isopropylbenzene	12.694	105	238751	20.455	ug/l		99
74) N-amyl acetate	12.494	43	100018	17.465	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	72469	21.374	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	70466m	20.815	ug/l		
77) Bromobenzene	12.976	156	57601	22.016	ug/l		99
78) n-propylbenzene	13.035	91	274906	20.038	ug/l		100
79) 2-Chlorotoluene	13.123	91	175756	20.369	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	191549	20.048	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	29065	20.670	ug/l		95
82) 4-Chlorotoluene	13.217	91	176501	20.664	ug/l		98
83) tert-Butylbenzene	13.435	119	168468	20.324	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	192028	19.778	ug/l		98
85) sec-Butylbenzene	13.612	105	223581	19.574	ug/l		99
86) p-Isopropyltoluene	13.723	119	183908	19.537	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	99754	20.377	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	100717	20.473	ug/l		99
89) n-Butylbenzene	14.053	91	151273	18.306	ug/l		98
90) Hexachloroethane	14.329	117	30231	19.092	ug/l		99
91) 1,2-Dichlorobenzene	14.100	146	95188	20.058	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11492	17.115	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	41411	18.515	ug/l		98
94) Hexachlorobutadiene	15.494	225	16213	19.071	ug/l		99
95) Naphthalene	15.635	128	139495	17.571	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	38790	18.236	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086672.D
Acq On : 16 May 2025 17:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:15:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 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

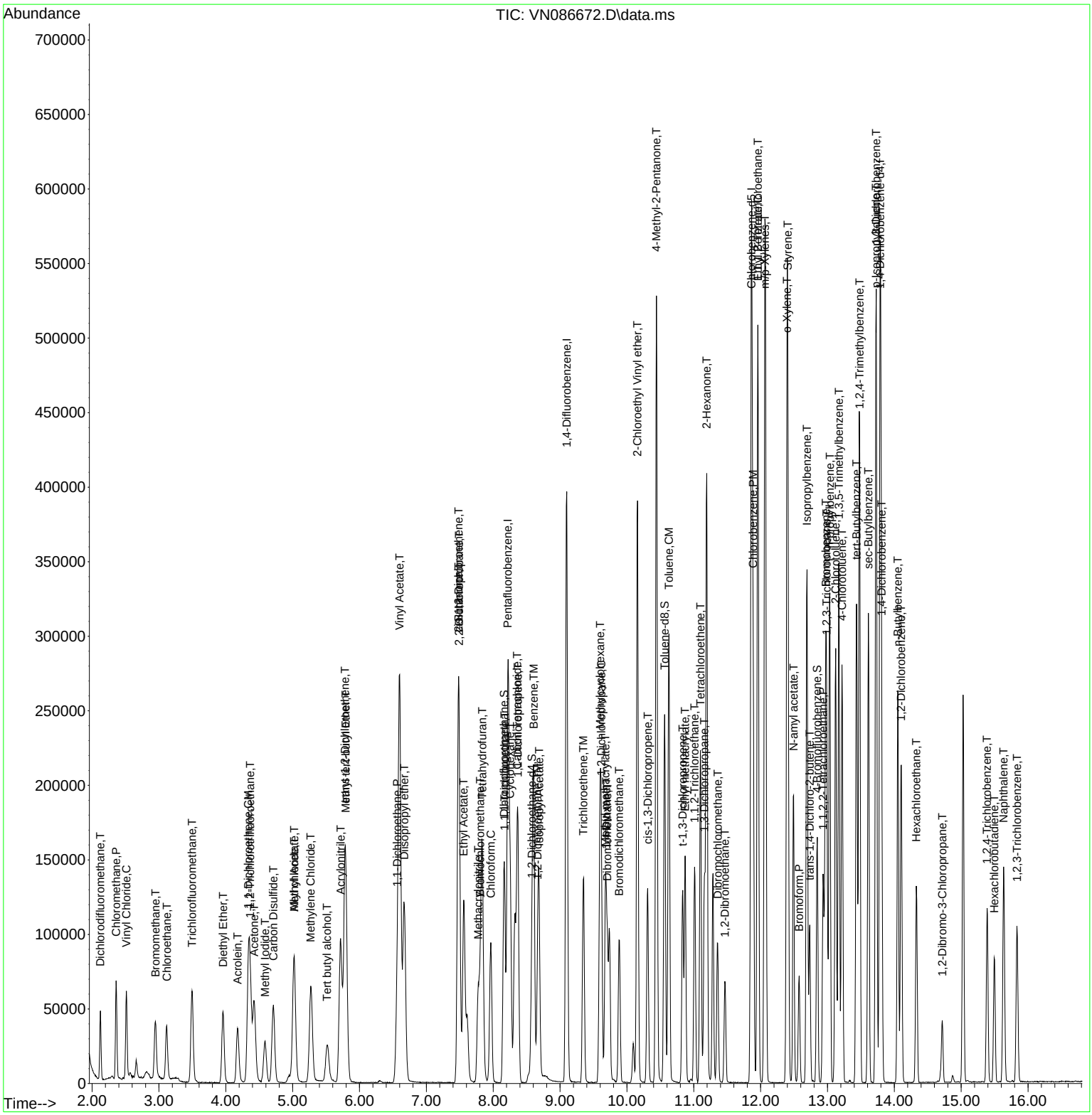
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086672.D
Acq On : 16 May 2025 17:43
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 17 00:15:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086673.D
Acq On : 16 May 2025 18:08
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:16:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	200680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	366335	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	333195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	159539	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139132	48.157	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.320%			
35) Dibromofluoromethane	8.165	113	109307	59.961	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 119.920%			
50) Toluene-d8	10.565	98	458089	50.416	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.840%			
62) 4-Bromofluorobenzene	12.847	95	164814	49.931	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	120236	50.424	ug/l	100
3) Chloromethane	2.359	50	156934	45.149	ug/l	100
4) Vinyl Chloride	2.512	62	151154	46.165	ug/l	100
5) Bromomethane	2.942	94	80874	53.143	ug/l	100
6) Chloroethane	3.112	64	93444	42.763	ug/l	100
7) Trichlorofluoromethane	3.495	101	176535	48.159	ug/l	100
8) Diethyl Ether	3.959	74	72328	45.601	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	106022	47.918	ug/l	100
10) Methyl Iodide	4.583	142	130592	52.819	ug/l	100
11) Tert butyl alcohol	5.518	59	122272	231.093	ug/l	100
12) 1,1-Dichloroethene	4.336	96	109886	46.567	ug/l	100
13) Acrolein	4.177	56	134375	372.708	ug/l	100
14) Allyl chloride	5.018	41	165431	40.065	ug/l	100
15) Acrylonitrile	5.718	53	312458	238.782	ug/l	100
16) Acetone	4.424	43	243902	210.585	ug/l	100
17) Carbon Disulfide	4.712	76	309553	43.833	ug/l	100
18) Methyl Acetate	5.018	43	132976	38.953	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	383825	44.540	ug/l	100
20) Methylene Chloride	5.271	84	126581	46.913	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	115816	46.868	ug/l	100
22) Diisopropyl ether	6.665	45	385688	42.813	ug/l	100
23) Vinyl Acetate	6.600	43	1462943	229.724	ug/l	100
24) 1,1-Dichloroethane	6.571	63	221538	46.174	ug/l	100
25) 2-Butanone	7.477	43	402916	224.413	ug/l	100
26) 2,2-Dichloropropane	7.489	77	178757	42.029	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	142862	46.629	ug/l	100
28) Bromochloromethane	7.812	49	101861	49.651	ug/l	100
29) Tetrahydrofuran	7.836	42	265547	221.224	ug/l	100
30) Chloroform	7.959	83	219404	46.418	ug/l	100
31) Cyclohexane	8.253	56	197288	42.429	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	189597	46.845	ug/l	100
36) 1,1-Dichloropropene	8.365	75	159488	47.088	ug/l	100
37) Ethyl Acetate	7.559	43	159707	44.832	ug/l	100
38) Carbon Tetrachloride	8.359	117	157560	48.589	ug/l	100
39) Methylcyclohexane	9.600	83	176457	44.277	ug/l	100
40) Benzene	8.606	78	513727	47.252	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086673.D
Acq On : 16 May 2025 18:08
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:16:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	87794	42.982	ug/l		100
42) 1,2-Dichloroethane	8.665	62	160313	46.310	ug/l		100
43) Isopropyl Acetate	8.688	43	282433	33.201	ug/l		100
44) Trichloroethene	9.347	130	125647	48.612	ug/l		100
45) 1,2-Dichloropropane	9.618	63	122982	46.461	ug/l		100
46) Dibromomethane	9.706	93	83377	49.113	ug/l		100
47) Bromodichloromethane	9.883	83	172626	47.166	ug/l		100
48) Methyl methacrylate	9.677	41	128661	41.698	ug/l		100
49) 1,4-Dioxane	9.694	88	54709	1002.364	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	825673	228.029	ug/l		100
52) Toluene	10.630	92	324906	47.903	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	188352	46.497	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	200078	44.899	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	117677	48.104	ug/l		100
56) Ethyl methacrylate	10.871	69	204115	45.731	ug/l		100
57) 1,3-Dichloropropane	11.159	76	205784	47.516	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	473490	225.901	ug/l		100
59) 2-Hexanone	11.194	43	609102	226.589	ug/l		100
60) Dibromochloromethane	11.359	129	127861	47.766	ug/l		100
61) 1,2-Dibromoethane	11.465	107	122201	49.356	ug/l		100
64) Tetrachloroethene	11.100	164	122991	48.018	ug/l		100
65) Chlorobenzene	11.888	112	353206	47.433	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	116442	47.425	ug/l		100
67) Ethyl Benzene	11.959	91	621554	46.525	ug/l		100
68) m/p-Xylenes	12.065	106	477853	95.244	ug/l		100
69) o-Xylene	12.394	106	240345	48.249	ug/l		100
70) Styrene	12.406	104	399975	48.396	ug/l		100
71) Bromoform	12.576	173	86917	47.062	ug/l	#	100
73) Isopropylbenzene	12.694	105	564854	43.614	ug/l		100
74) N-amyl acetate	12.488	43	240871	37.908	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	168088	44.680	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	165513m	44.062	ug/l		
77) Bromobenzene	12.976	156	139072	47.906	ug/l		100
78) n-propylbenzene	13.029	91	669285	43.966	ug/l		100
79) 2-Chlorotoluene	13.123	91	425476	44.441	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	467786	44.125	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	71696	45.952	ug/l		100
82) 4-Chlorotoluene	13.218	91	423764	44.713	ug/l		100
83) tert-Butylbenzene	13.435	119	398675	43.347	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	475848	44.171	ug/l		100
85) sec-Butylbenzene	13.612	105	551208	43.492	ug/l		100
86) p-Isopropyltoluene	13.723	119	462804	44.309	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	255624	47.060	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	252548	46.266	ug/l		100
89) n-Butylbenzene	14.053	91	389739	42.505	ug/l		100
90) Hexachloroethane	14.329	117	75794	43.139	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	247292	46.963	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32007	42.959	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	109515	44.128	ug/l		100
94) Hexachlorobutadiene	15.500	225	41916	44.437	ug/l		100
95) Naphthalene	15.635	128	385716	43.787	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	104176	44.139	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086673.D
Acq On : 16 May 2025 18:08
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:16:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

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

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

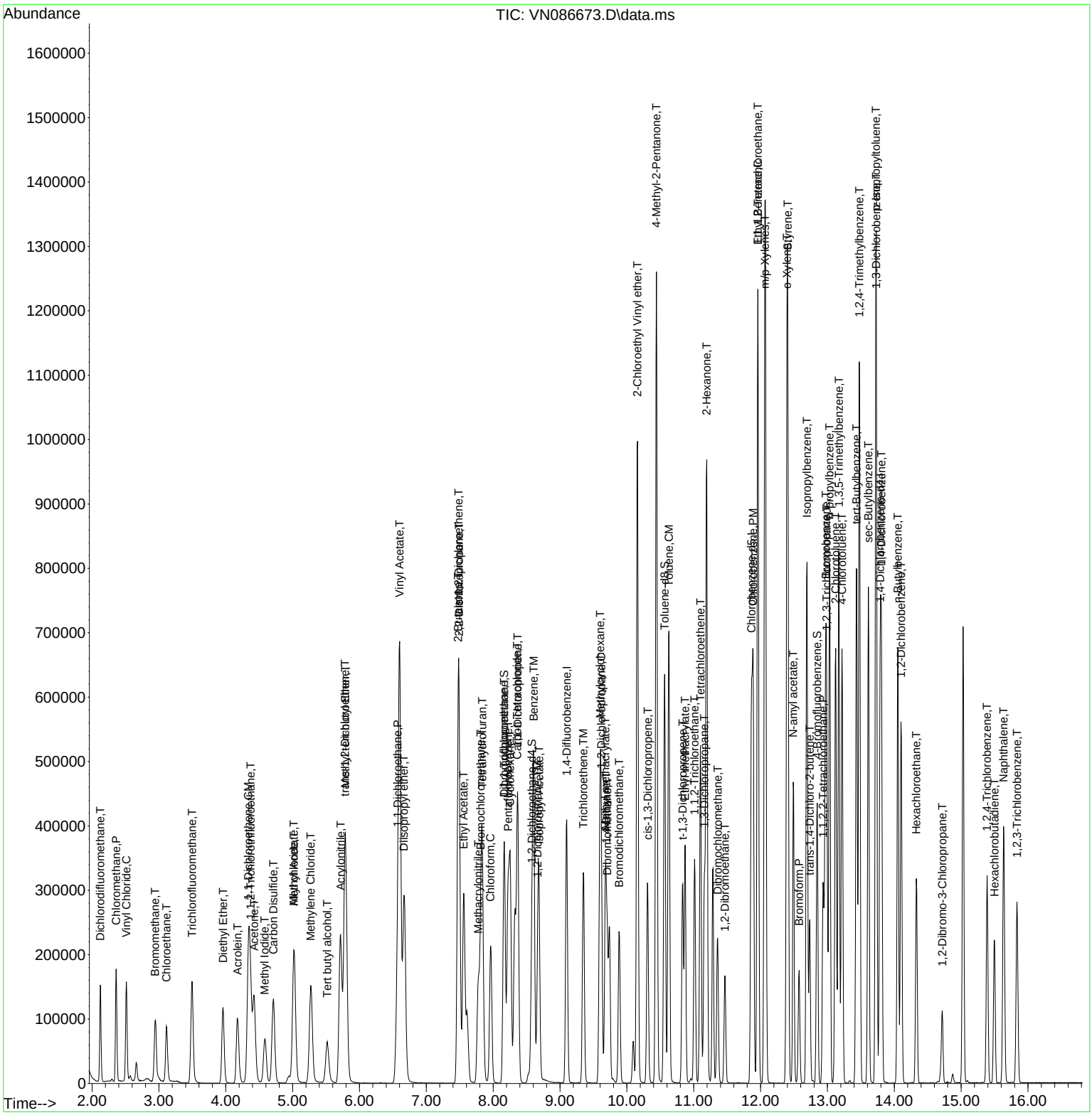
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086673.D
Acq On : 16 May 2025 18:08
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 17 00:16:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086674.D
Acq On : 16 May 2025 18:32
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 00:17:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	212535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	385603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	356581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	159823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	296706	96.970	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 193.940%#			
35) Dibromofluoromethane	8.165	113	239789	124.964	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 249.920%#			
50) Toluene-d8	10.565	98	1021539	106.809	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 213.620%#			
62) 4-Bromofluorobenzene	12.847	95	370788	106.718	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 213.440%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	272626	107.954	ug/l	99
3) Chloromethane	2.359	50	361119	98.097	ug/l	98
4) Vinyl Chloride	2.512	62	336647	97.082	ug/l	99
5) Bromomethane	2.930	94	175755	109.049	ug/l	97
6) Chloroethane	3.106	64	208872	90.254	ug/l	96
7) Trichlorofluoromethane	3.494	101	393305	101.309	ug/l	96
8) Diethyl Ether	3.959	74	162276	96.605	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	233520	99.655	ug/l	99
10) Methyl Iodide	4.583	142	299898	114.531	ug/l	99
11) Tert butyl alcohol	5.518	59	267486	477.347	ug/l	98
12) 1,1-Dichloroethene	4.336	96	247923	99.203	ug/l	98
13) Acrolein	4.177	56	295287	773.336	ug/l	99
14) Allyl chloride	5.018	41	371902	85.045	ug/l	99
15) Acrylonitrile	5.712	53	701724	506.348	ug/l	99
16) Acetone	4.424	43	539112	439.506	ug/l	99
17) Carbon Disulfide	4.712	76	710987	95.061	ug/l	100
18) Methyl Acetate	5.018	43	291114	80.520	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	842311	92.293	ug/l	99
20) Methylene Chloride	5.271	84	290581	101.686	ug/l	97
21) trans-1,2-Dichloroethene	5.788	96	260585	99.571	ug/l	99
22) Diisopropyl ether	6.671	45	840075	88.050	ug/l	98
23) Vinyl Acetate	6.600	43	3184524	472.168	ug/l	99
24) 1,1-Dichloroethane	6.565	63	491576	96.742	ug/l	99
25) 2-Butanone	7.477	43	887511	466.747	ug/l	100
26) 2,2-Dichloropropane	7.488	77	391899	87.002	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	320382	98.737	ug/l	99
28) Bromochloromethane	7.812	49	212881	97.978	ug/l	98
29) Tetrahydrofuran	7.835	42	582167	457.944	ug/l	100
30) Chloroform	7.965	83	481570	96.199	ug/l	98
31) Cyclohexane	8.253	56	430663	87.454	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	412582	96.254	ug/l	98
36) 1,1-Dichloropropene	8.365	75	358680	100.608	ug/l	99
37) Ethyl Acetate	7.559	43	345729	92.202	ug/l	100
38) Carbon Tetrachloride	8.359	117	350376	102.652	ug/l	99
39) Methylcyclohexane	9.600	83	395616	94.309	ug/l	99
40) Benzene	8.606	78	1146502	100.185	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086674.D
Acq On : 16 May 2025 18:32
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 00:17:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	189373	88.081	ug/l		98
42) 1,2-Dichloroethane	8.665	62	348779	95.719	ug/l		99
43) Isopropyl Acetate	8.682	43	601666	67.195	ug/l		98
44) Trichloroethene	9.347	130	281707	103.544	ug/l		99
45) 1,2-Dichloropropane	9.618	63	271732	97.526	ug/l		100
46) Dibromomethane	9.706	93	183465	102.669	ug/l		100
47) Bromodichloromethane	9.888	83	383086	99.439	ug/l		97
48) Methyl methacrylate	9.676	41	282329	86.928	ug/l		99
49) 1,4-Dioxane	9.694	88	112938	1965.825	ug/l		96
51) 4-Methyl-2-Pentanone	10.441	43	1801423	472.646	ug/l		98
52) Toluene	10.629	92	729998	102.251	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	427269	100.206	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	451979	96.359	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	260447	101.145	ug/l		99
56) Ethyl methacrylate	10.870	69	460358	97.988	ug/l		99
57) 1,3-Dichloropropane	11.159	76	458200	100.514	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	1060521	480.691	ug/l		100
59) 2-Hexanone	11.194	43	1333834	471.399	ug/l		98
60) Dibromochloromethane	11.359	129	295955	105.038	ug/l		99
61) 1,2-Dibromoethane	11.465	107	273192	104.827	ug/l		99
64) Tetrachloroethene	11.100	164	279652	102.021	ug/l		98
65) Chlorobenzene	11.888	112	805636	101.096	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	261746	99.614	ug/l		99
67) Ethyl Benzene	11.959	91	1432940	100.224	ug/l		99
68) m/p-Xylenes	12.070	106	1104589	205.723	ug/l		99
69) o-Xylene	12.394	106	541462	101.570	ug/l		98
70) Styrene	12.406	104	918616	103.860	ug/l		100
71) Bromoform	12.576	173	200330	101.356	ug/l	#	97
73) Isopropylbenzene	12.694	105	1285698	99.096	ug/l		100
74) N-amyl acetate	12.488	43	527018	82.794	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	369580	98.064	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	361465m	96.057	ug/l		
77) Bromobenzene	12.976	156	313717	107.874	ug/l		99
78) n-propylbenzene	13.035	91	1519746	99.656	ug/l		100
79) 2-Chlorotoluene	13.123	91	941604	98.175	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	1040889	98.009	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	151480	96.916	ug/l		95
82) 4-Chlorotoluene	13.217	91	946308	99.671	ug/l		99
83) tert-Butylbenzene	13.435	119	887979	96.375	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	1053192	97.589	ug/l		100
85) sec-Butylbenzene	13.611	105	1238888	97.578	ug/l		100
86) p-Isopropyltoluene	13.723	119	1042829	99.663	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	548281	100.759	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	547029	100.036	ug/l		99
89) n-Butylbenzene	14.053	91	885854	96.440	ug/l		100
90) Hexachloroethane	14.329	117	177725	100.975	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	511274	96.922	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	68755	92.118	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	249837	100.491	ug/l		99
94) Hexachlorobutadiene	15.494	225	90372	95.636	ug/l		97
95) Naphthalene	15.635	128	871550	98.763	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	236333	99.955	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086674.D
Acq On : 16 May 2025 18:32
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:17:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 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

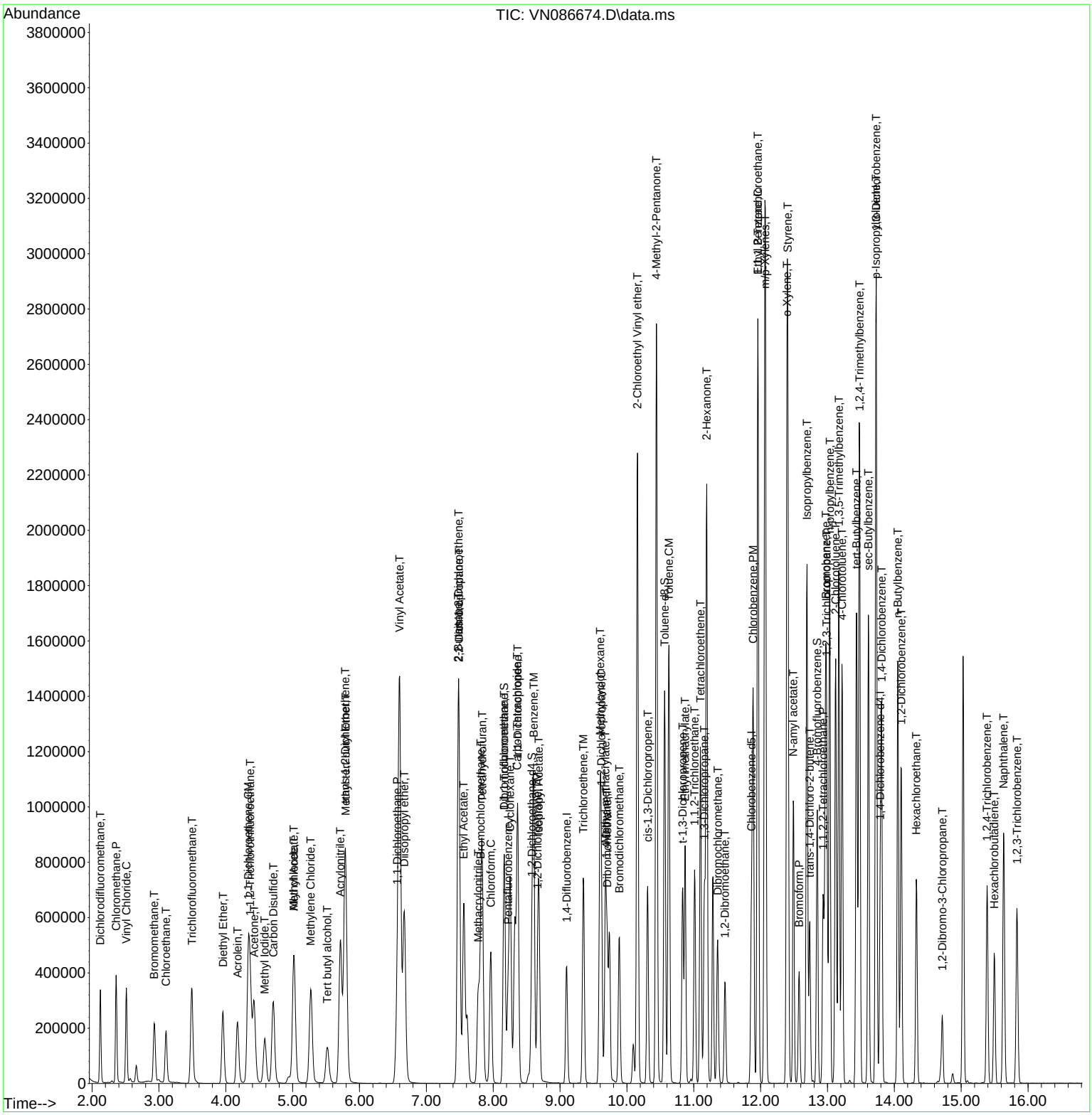
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086674.D
Acq On : 16 May 2025 18:32
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 00:17:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:09:38 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086676.D
Acq On : 16 May 2025 19:20
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	206060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	369474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	337944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	160071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	140264	49.261	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.520%			
35) Dibromofluoromethane	8.165	113	111929	50.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.740%			
50) Toluene-d8	10.565	98	473116	51.886	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.780%			
62) 4-Bromofluorobenzene	12.847	95	172745	53.653	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	125665	56.471	ug/l	100
3) Chloromethane	2.359	50	166521	49.474	ug/l	100
4) Vinyl Chloride	2.512	62	153716	50.852	ug/l	97
5) Bromomethane	2.948	94	85316	48.959	ug/l	94
6) Chloroethane	3.112	64	98096	49.538	ug/l	96
7) Trichlorofluoromethane	3.495	101	184202	50.991	ug/l	97
8) Diethyl Ether	3.959	74	75922	50.875	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	110896	51.278	ug/l	100
10) Methyl Iodide	4.589	142	139386	51.814	ug/l	98
11) Tert butyl alcohol	5.518	59	126055	243.079	ug/l	100
12) 1,1-Dichloroethene	4.342	96	114026	49.612	ug/l	99
13) Acrolein	4.171	56	131334	236.906	ug/l	100
14) Allyl chloride	5.024	41	169877	48.833	ug/l	99
15) Acrylonitrile	5.718	53	322582	251.235	ug/l	99
16) Acetone	4.424	43	253332	237.847	ug/l	96
17) Carbon Disulfide	4.712	76	325644	51.175	ug/l	99
18) Methyl Acetate	5.018	43	136726	45.864	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	392727	50.183	ug/l	98
20) Methylene Chloride	5.271	84	133075	47.346	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	120628	49.641	ug/l	98
22) Diisopropyl ether	6.665	45	398433	50.767	ug/l	98
23) Vinyl Acetate	6.600	43	1501158	254.501	ug/l	100
24) 1,1-Dichloroethane	6.565	63	228436	49.576	ug/l	100
25) 2-Butanone	7.477	43	412876	250.854	ug/l	100
26) 2,2-Dichloropropane	7.488	77	179110	47.102	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	148770	49.878	ug/l	99
28) Bromochloromethane	7.812	49	102816	49.112	ug/l	100
29) Tetrahydrofuran	7.835	42	273939	254.994	ug/l	100
30) Chloroform	7.965	83	223931	48.554	ug/l	97
31) Cyclohexane	8.253	56	202489	47.383	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	193811	49.842	ug/l	100
36) 1,1-Dichloropropene	8.371	75	166757	51.379	ug/l	100
37) Ethyl Acetate	7.559	43	164737	50.247	ug/l	99
38) Carbon Tetrachloride	8.359	117	162681	50.871	ug/l	97
39) Methylcyclohexane	9.594	83	182529	51.961	ug/l	99
40) Benzene	8.600	78	533304	50.369	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086676.D
Acq On : 16 May 2025 19:20
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 17 00:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	90551	51.153	ug/l		98
42) 1,2-Dichloroethane	8.671	62	165024	50.029	ug/l		99
43) Isopropyl Acetate	8.682	43	298004	45.341	ug/l		100
44) Trichloroethene	9.347	130	129339	50.647	ug/l		98
45) 1,2-Dichloropropane	9.618	63	126955	50.475	ug/l		99
46) Dibromomethane	9.706	93	85276	50.246	ug/l		99
47) Bromodichloromethane	9.882	83	177360	50.719	ug/l		100
48) Methyl methacrylate	9.677	41	131470	51.620	ug/l		99
49) 1,4-Dioxane	9.694	88	57410	1064.544	ug/l		96
51) 4-Methyl-2-Pentanone	10.441	43	841754	253.963	ug/l		99
52) Toluene	10.624	92	338248	51.401	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	194124	52.432	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	207544	51.351	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	120996	49.290	ug/l		99
56) Ethyl methacrylate	10.871	69	211241	53.596	ug/l		99
57) 1,3-Dichloropropane	11.159	76	212276	50.196	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	477348	270.990	ug/l		100
59) 2-Hexanone	11.194	43	631633	260.961	ug/l		100
60) Dibromochloromethane	11.359	129	133981	52.080	ug/l		98
61) 1,2-Dibromoethane	11.465	107	124934	50.647	ug/l		100
64) Tetrachloroethene	11.100	164	127416	49.218	ug/l		97
65) Chlorobenzene	11.888	112	366001	49.389	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	118803	49.660	ug/l		100
67) Ethyl Benzene	11.959	91	644463	50.773	ug/l		99
68) m/p-Xylenes	12.065	106	496729	103.321	ug/l		100
69) o-Xylene	12.394	106	244673	51.191	ug/l		99
70) Styrene	12.406	104	414973	53.030	ug/l		100
71) Bromoform	12.576	173	91062	53.523	ug/l	#	97
73) Isopropylbenzene	12.694	105	584704	47.295	ug/l		100
74) N-amyl acetate	12.488	43	247445	47.905	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	174276	45.885	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	166845m	46.088	ug/l		
77) Bromobenzene	12.976	156	143739	46.220	ug/l		100
78) n-propylbenzene	13.029	91	695292	49.006	ug/l		100
79) 2-Chlorotoluene	13.123	91	442834	48.004	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	484744	48.940	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	68425	47.700	ug/l		97
82) 4-Chlorotoluene	13.217	91	439811	48.122	ug/l		99
83) tert-Butylbenzene	13.435	119	410379	47.509	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	493314	50.014	ug/l		99
85) sec-Butylbenzene	13.612	105	568753	49.105	ug/l		99
86) p-Isopropyltoluene	13.723	119	482931	50.868	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	263213	48.877	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	264501	49.573	ug/l		99
89) n-Butylbenzene	14.053	91	408204	51.865	ug/l		99
90) Hexachloroethane	14.329	117	79755	50.631	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	254715	49.729	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33507	53.253	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	113245	52.378	ug/l		100
94) Hexachlorobutadiene	15.494	225	44035	49.090	ug/l		97
95) Naphthalene	15.635	128	393211	52.378	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	106918	50.497	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086676.D
Acq On : 16 May 2025 19:20
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025

Quant Time: May 17 00:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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

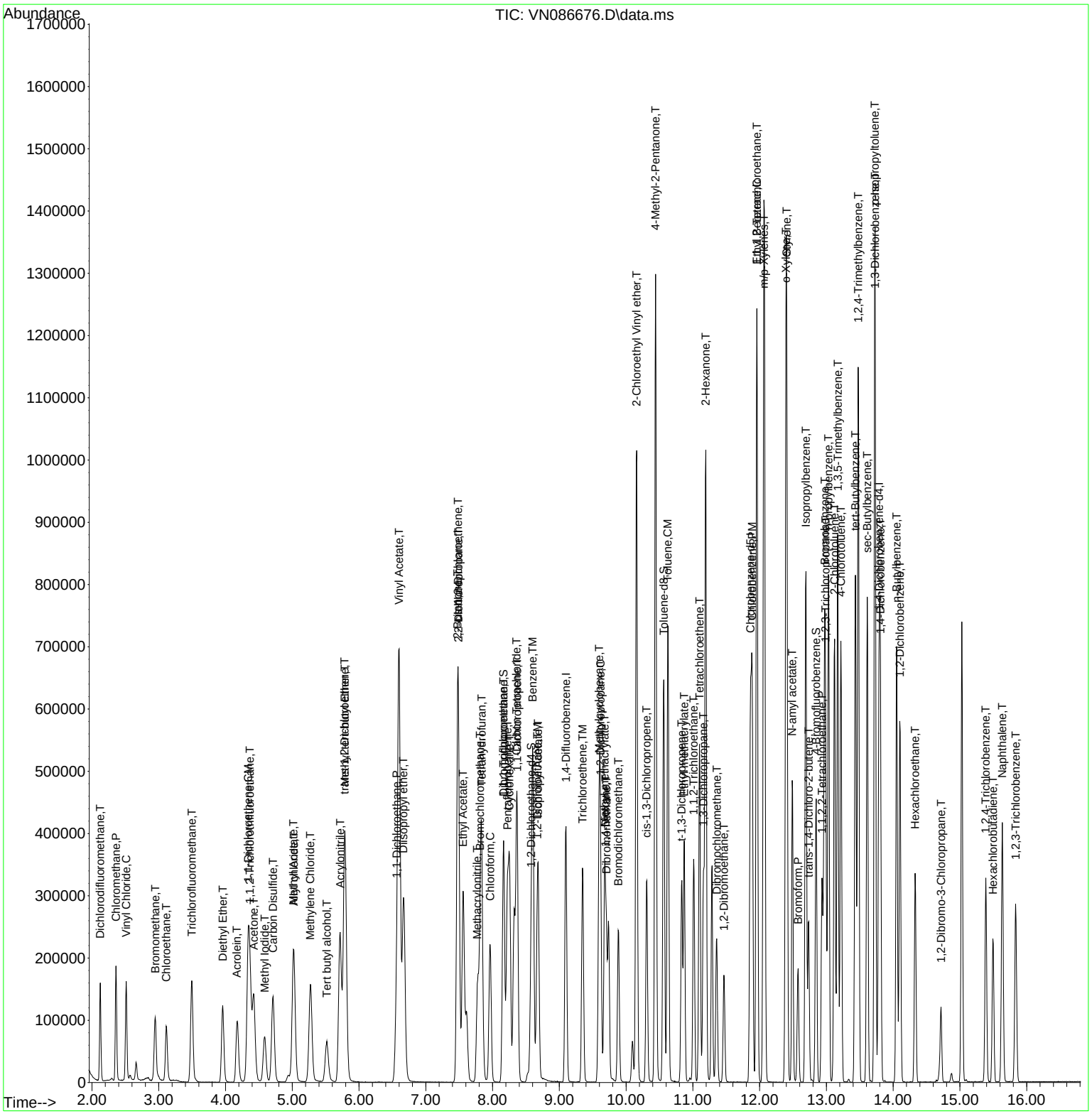
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086676.D
Acq On : 16 May 2025 19:20
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 17 00:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Manual Integrations APPROVED

Reviewed By :John Carlone 05/19/2025
Supervised By :Mahesh Dadoda 05/19/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086676.D
Acq On : 16 May 2025 19:20
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Quant Time: May 17 00:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	103	0.00
2	T	Dichlorodifluoromethane	0.540	0.610	-13.0	105	0.00
3	P	Chloromethane	0.817	0.808	1.1	106	0.00
4	C	Vinyl Chloride	0.733	0.746	-1.8#	102	0.00
5	T	Bromomethane	0.423	0.414	2.1	105	0.00
6	T	Chloroethane	0.480	0.476	0.8	105	0.00
7	T	Trichlorofluoromethane	0.877	0.894	-1.9	104	0.00
8	T	Diethyl Ether	0.362	0.368	-1.7	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.525	0.538	-2.5	105	0.00
10	T	Methyl Iodide	0.653	0.676	-3.5	107	0.00
11	T	Tert butyl alcohol	0.126	0.122	3.2	103	0.00
12	CM	1,1-Dichloroethene	0.558	0.553	0.9#	104	0.00
13	T	Acrolein	0.135	0.127	5.9	98	0.00
14	T	Allyl chloride	0.844	0.824	2.4	103	0.00
15	T	Acrylonitrile	0.312	0.313	-0.3	103	0.00
16	T	Acetone	0.258	0.246	4.7	104	0.00
17	T	Carbon Disulfide	1.544	1.580	-2.3	105	0.00
18	T	Methyl Acetate	0.723	0.664	8.2	103	0.00
19	T	Methyl tert-butyl Ether	1.899	1.906	-0.4	102	0.00
20	T	Methylene Chloride	0.682	0.646	5.3	105	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.585	0.8	104	0.00
22	T	Diisopropyl ether	1.904	1.934	-1.6	103	0.00
23	T	Vinyl Acetate	1.431	1.457	-1.8	103	0.00
24	P	1,1-Dichloroethane	1.118	1.109	0.8	103	0.00
25	T	2-Butanone	0.399	0.401	-0.5	102	0.00
26	T	2,2-Dichloropropane	0.923	0.869	5.9	100	0.00
27	T	cis-1,2-Dichloroethene	0.724	0.722	0.3	104	0.00
28	T	Bromochloromethane	0.508	0.499	1.8	101	0.00
29	T	Tetrahydrofuran	0.261	0.266	-1.9	103	0.00
30	C	Chloroform	1.119	1.087	2.9#	102	0.00
31	T	Cyclohexane	1.037	0.983	5.2	103	0.00
32	T	1,1,1-Trichloroethane	0.944	0.941	0.3	102	0.00
33	S	1,2-Dichloroethane-d4	0.691	0.681	1.4	101	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
35	S	Dibromofluoromethane	0.298	0.303	-1.7	102	0.00
36	T	1,1-Dichloropropene	0.439	0.451	-2.7	105	0.00
37	T	Ethyl Acetate	0.444	0.446	-0.5	103	0.00
38	T	Carbon Tetrachloride	0.433	0.440	-1.6	103	0.00
39	T	Methylcyclohexane	0.475	0.494	-4.0	103	0.00
40	TM	Benzene	1.433	1.443	-0.7	104	0.00
41	T	Methacrylonitrile	0.240	0.245	-2.1	103	0.00
42	TM	1,2-Dichloroethane	0.446	0.447	-0.2	103	0.00
43	T	Isopropyl Acetate	0.889	0.807	9.2	106	0.00
44	TM	Trichloroethene	0.346	0.350	-1.2	103	0.00
45	C	1,2-Dichloropropane	0.340	0.344	-1.2#	103	0.00
46	T	Dibromomethane	0.230	0.231	-0.4	102	0.00
47	T	Bromodichloromethane	0.473	0.480	-1.5	103	0.00
48	T	Methyl methacrylate	0.345	0.356	-3.2	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086676.D
Acq On : 16 May 2025 19:20
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Quant Time: May 17 00:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.008	-14.3	105	0.00
50	S	Toluene-d8	1.234	1.281	-3.8	103	0.00
51	T	4-Methyl-2-Pentanone	0.449	0.456	-1.6	102	0.00
52	CM	Toluene	0.891	0.915	-2.7#	104	0.00
53	T	t-1,3-Dichloropropene	0.501	0.525	-4.8	103	0.00
54	T	cis-1,3-Dichloropropene	0.547	0.562	-2.7	104	0.00
55	T	1,1,2-Trichloroethane	0.332	0.327	1.5	103	0.00
56	T	Ethyl methacrylate	0.533	0.572	-7.3	103	0.00
57	T	1,3-Dichloropropane	0.572	0.575	-0.5	103	0.00
58	T	2-Chloroethyl Vinyl ether	0.238	0.258	-8.4	101	0.00
59	T	2-Hexanone	0.328	0.342	-4.3	104	0.00
60	T	Dibromochloromethane	0.348	0.363	-4.3	105	0.00
61	T	1,2-Dibromoethane	0.334	0.338	-1.2	102	0.00
62	S	4-Bromofluorobenzene	0.436	0.468	-7.3	105	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64	T	Tetrachloroethene	0.383	0.377	1.6	104	0.00
65	PM	Chlorobenzene	1.096	1.083	1.2	104	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.352	0.6	102	0.00
67	C	Ethyl Benzene	1.878	1.907	-1.5#	104	0.00
68	T	m/p-Xylenes	0.711	0.735	-3.4	104	0.00
69	T	o-Xylene	0.707	0.724	-2.4	102	0.00
70	T	Styrene	1.158	1.228	-6.0	104	0.00
71	P	Bromoform	0.252	0.269	-6.7	105	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.862	3.653	5.4	104	0.00
74	T	N-amyl acetate	1.613	1.546	4.2	103	0.00
75	P	1,1,2,2-Tetrachloroethane	1.186	1.089	8.2	104	0.00
76	T	1,2,3-Trichloropropane	1.131	1.042	7.9	101	0.00
77	T	Bromobenzene	0.971	0.898	7.5	103	0.00
78	T	n-propylbenzene	4.432	4.344	2.0	104	0.00
79	T	2-Chlorotoluene	2.882	2.766	4.0	104	0.00
80	T	1,3,5-Trimethylbenzene	3.094	3.028	2.1	104	0.00
81	T	trans-1,4-Dichloro-2-butene	0.448	0.427	4.7	95	0.00
82	T	4-Chlorotoluene	2.855	2.748	3.7	104	0.00
83	T	tert-Butylbenzene	2.698	2.564	5.0	103	0.00
84	T	1,2,4-Trimethylbenzene	3.081	3.082	-0.0	104	0.00
85	T	sec-Butylbenzene	3.618	3.553	1.8	103	0.00
86	T	p-Isopropyltoluene	2.965	3.017	-1.8	104	0.00
87	T	1,3-Dichlorobenzene	1.682	1.644	2.3	103	0.00
88	T	1,4-Dichlorobenzene	1.667	1.652	0.9	105	0.00
89	T	n-Butylbenzene	2.458	2.550	-3.7	105	0.00
90	T	Hexachloroethane	0.492	0.498	-1.2	105	0.00
91	T	1,2-Dichlorobenzene	1.600	1.591	0.6	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.197	0.209	-6.1	105	0.00
93	T	1,2,4-Trichlorobenzene	0.675	0.707	-4.7	103	0.00
94	T	Hexachlorobutadiene	0.280	0.275	1.8	105	0.00
95	T	Naphthalene	2.345	2.456	-4.7	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086676.D
Acq On : 16 May 2025 19:20
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Quant Time: May 17 00:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	0.661	0.668	-1.1	103	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\VN051625\
Data File : VN086676.D
Acq On : 16 May 2025 19:20
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Quant Time: May 17 00:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	103	0.00
2	T	Dichlorodifluoromethane	50.000	56.471	-12.9	105	0.00
3	P	Chloromethane	50.000	49.474	1.1	106	0.00
4	C	Vinyl Chloride	50.000	50.852	-1.7#	102	0.00
5	T	Bromomethane	50.000	48.959	2.1	105	0.00
6	T	Chloroethane	50.000	49.538	0.9	105	0.00
7	T	Trichlorofluoromethane	50.000	50.991	-2.0	104	0.00
8	T	Diethyl Ether	50.000	50.875	-1.8	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.278	-2.6	105	0.00
10	T	Methyl Iodide	50.000	51.814	-3.6	107	0.00
11	T	Tert butyl alcohol	250.000	243.079	2.8	103	0.00
12	CM	1,1-Dichloroethene	50.000	49.612	0.8#	104	0.00
13	T	Acrolein	250.000	236.906	5.2	98	0.00
14	T	Allyl chloride	50.000	48.833	2.3	103	0.00
15	T	Acrylonitrile	250.000	251.235	-0.5	103	0.00
16	T	Acetone	250.000	237.847	4.9	104	0.00
17	T	Carbon Disulfide	50.000	51.175	-2.3	105	0.00
18	T	Methyl Acetate	50.000	45.864	8.3	103	0.00
19	T	Methyl tert-butyl Ether	50.000	50.183	-0.4	102	0.00
20	T	Methylene Chloride	50.000	47.346	5.3	105	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.641	0.7	104	0.00
22	T	Diisopropyl ether	50.000	50.767	-1.5	103	0.00
23	T	Vinyl Acetate	250.000	254.501	-1.8	103	0.00
24	P	1,1-Dichloroethane	50.000	49.576	0.8	103	0.00
25	T	2-Butanone	250.000	250.854	-0.3	102	0.00
26	T	2,2-Dichloropropane	50.000	47.102	5.8	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.878	0.2	104	0.00
28	T	Bromochloromethane	50.000	49.112	1.8	101	0.00
29	T	Tetrahydrofuran	250.000	254.994	-2.0	103	0.00
30	C	Chloroform	50.000	48.554	2.9#	102	0.00
31	T	Cyclohexane	50.000	47.383	5.2	103	0.00
32	T	1,1,1-Trichloroethane	50.000	49.842	0.3	102	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.261	1.5	101	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	101	0.00
35	S	Dibromofluoromethane	50.000	50.868	-1.7	102	0.00
36	T	1,1-Dichloropropene	50.000	51.379	-2.8	105	0.00
37	T	Ethyl Acetate	50.000	50.247	-0.5	103	0.00
38	T	Carbon Tetrachloride	50.000	50.871	-1.7	103	0.00
39	T	Methylcyclohexane	50.000	51.961	-3.9	103	0.00
40	TM	Benzene	50.000	50.369	-0.7	104	0.00
41	T	Methacrylonitrile	50.000	51.153	-2.3	103	0.00
42	TM	1,2-Dichloroethane	50.000	50.029	-0.1	103	0.00
43	T	Isopropyl Acetate	50.000	45.341	9.3	106	0.00
44	TM	Trichloroethene	50.000	50.647	-1.3	103	0.00
45	C	1,2-Dichloropropane	50.000	50.475	-1.0#	103	0.00
46	T	Dibromomethane	50.000	50.246	-0.5	102	0.00
47	T	Bromodichloromethane	50.000	50.719	-1.4	103	0.00
48	T	Methyl methacrylate	50.000	51.620	-3.2	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086676.D
Acq On : 16 May 2025 19:20
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Quant Time: May 17 00:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	1064.544	-6.5	105	0.00
50	S	Toluene-d8	50.000	51.886	-3.8	103	0.00
51	T	4-Methyl-2-Pentanone	250.000	253.963	-1.6	102	0.00
52	CM	Toluene	50.000	51.401	-2.8#	104	0.00
53	T	t-1,3-Dichloropropene	50.000	52.432	-4.9	103	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.351	-2.7	104	0.00
55	T	1,1,2-Trichloroethane	50.000	49.290	1.4	103	0.00
56	T	Ethyl methacrylate	50.000	53.596	-7.2	103	0.00
57	T	1,3-Dichloropropane	50.000	50.196	-0.4	103	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	270.990	-8.4	101	0.00
59	T	2-Hexanone	250.000	260.961	-4.4	104	0.00
60	T	Dibromochloromethane	50.000	52.080	-4.2	105	0.00
61	T	1,2-Dibromoethane	50.000	50.647	-1.3	102	0.00
62	S	4-Bromofluorobenzene	50.000	53.653	-7.3	105	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64	T	Tetrachloroethene	50.000	49.218	1.6	104	0.00
65	PM	Chlorobenzene	50.000	49.389	1.2	104	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.660	0.7	102	0.00
67	C	Ethyl Benzene	50.000	50.773	-1.5#	104	0.00
68	T	m/p-Xylenes	100.000	103.321	-3.3	104	0.00
69	T	o-Xylene	50.000	51.191	-2.4	102	0.00
70	T	Styrene	50.000	53.030	-6.1	104	0.00
71	P	Bromoform	50.000	53.523	-7.0	105	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	47.295	5.4	104	0.00
74	T	N-amyl acetate	50.000	47.905	4.2	103	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.885	8.2	104	0.00
76	T	1,2,3-Trichloropropane	50.000	46.088	7.8	101	0.00
77	T	Bromobenzene	50.000	46.220	7.6	103	0.00
78	T	n-propylbenzene	50.000	49.006	2.0	104	0.00
79	T	2-Chlorotoluene	50.000	48.004	4.0	104	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.940	2.1	104	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.700	4.6	95	0.00
82	T	4-Chlorotoluene	50.000	48.122	3.8	104	0.00
83	T	tert-Butylbenzene	50.000	47.509	5.0	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.014	-0.0	104	0.00
85	T	sec-Butylbenzene	50.000	49.105	1.8	103	0.00
86	T	p-Isopropyltoluene	50.000	50.868	-1.7	104	0.00
87	T	1,3-Dichlorobenzene	50.000	48.877	2.2	103	0.00
88	T	1,4-Dichlorobenzene	50.000	49.573	0.9	105	0.00
89	T	n-Butylbenzene	50.000	51.865	-3.7	105	0.00
90	T	Hexachloroethane	50.000	50.631	-1.3	105	0.00
91	T	1,2-Dichlorobenzene	50.000	49.729	0.5	103	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.253	-6.5	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.378	-4.8	103	0.00
94	T	Hexachlorobutadiene	50.000	49.090	1.8	105	0.00
95	T	Naphthalene	50.000	52.378	-4.8	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086676.D
Acq On : 16 May 2025 19:20
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN051625

Quant Time: May 17 00:49:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	50.497	-1.0	103	0.00

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

Raw Data: **VN086766.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ATGG01

Lab Code: CHEM Case No.: Q2116 SAS No.: Q2116 SDG No.: Q2116

Instrument ID: MSVOA_N Calibration Date/Time: 05/23/2025 09:53

Lab File ID: VN086766.D Init. Calib. Date(s): 05/16/2025 05/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 16:31 18:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.433	1.390		-3	20
Toluene	0.891	0.879		-1.35	20
Ethyl Benzene	1.878	1.879		0.05	20
m/p-Xylenes	0.711	0.744		4.64	20
o-Xylene	0.707	0.732		3.54	20
1,2-Dichloroethane-d4	0.691	0.591		-14.47	20
Dibromofluoromethane	0.298	0.303		1.68	20
Toluene-d8	1.234	1.244		0.81	20
4-Bromofluorobenzene	0.436	0.447		2.52	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\VN052325\
Data File : VN086766.D
Acq On : 23 May 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 02:28:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/27/2025
Supervised By :Mahesh Dadoda 05/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	276686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	466652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	409394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	193032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	163628	42.798	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.600%			
35) Dibromofluoromethane	8.159	113	141342	50.859	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.720%			
50) Toluene-d8	10.565	98	580375	50.394	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	12.847	95	208610	51.300	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	148736	49.777	ug/l	99
3) Chloromethane	2.359	50	183652	40.636	ug/l	99
4) Vinyl Chloride	2.512	62	181207	44.645	ug/l	100
5) Bromomethane	2.948	94	97586	41.706	ug/l	94
6) Chloroethane	3.118	64	113818	42.806	ug/l	96
7) Trichlorofluoromethane	3.501	101	229380	47.289	ug/l	95
8) Diethyl Ether	3.959	74	95451	47.635	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.365	101	142938	49.223	ug/l	96
10) Methyl Iodide	4.583	142	167135	46.270	ug/l	98
11) Tert butyl alcohol	5.512	59	137231	197.081	ug/l	99
12) 1,1-Dichloroethene	4.342	96	146666	47.525	ug/l	93
13) Acrolein	4.177	56	170282	228.757	ug/l	100
14) Allyl chloride	5.018	41	198001	42.389	ug/l	93
15) Acrylonitrile	5.712	53	359440	208.484	ug/l	100
16) Acetone	4.418	43	377475	263.938	ug/l	96
17) Carbon Disulfide	4.712	76	387676	45.373	ug/l	100
18) Methyl Acetate	5.012	43	152601	38.123	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	490165	46.646	ug/l	100
20) Methylene Chloride	5.271	84	161267	42.731	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	152352	46.693	ug/l	97
22) Diisopropyl ether	6.665	45	455920	43.264	ug/l	95
23) Vinyl Acetate	6.594	43	1652856	208.691	ug/l	96
24) 1,1-Dichloroethane	6.565	63	272695	44.075	ug/l	98
25) 2-Butanone	7.477	43	495106	224.030	ug/l	95
26) 2,2-Dichloropropane	7.483	77	244252	47.837	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	185598	46.342	ug/l	99
28) Bromochloromethane	7.812	49	109184	38.841	ug/l	86
29) Tetrahydrofuran	7.830	42	283065	196.232	ug/l	94
30) Chloroform	7.959	83	274684	44.356	ug/l	97
31) Cyclohexane	8.253	56	236609	41.234	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	238328	45.646	ug/l	95
36) 1,1-Dichloropropene	8.365	75	203564	49.658	ug/l	99
37) Ethyl Acetate	7.553	43	169820	41.011	ug/l	96
38) Carbon Tetrachloride	8.359	117	205121	50.785	ug/l	99
39) Methylcyclohexane	9.594	83	233902	52.720	ug/l	97
40) Benzene	8.600	78	648429	48.489	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086766.D
Acq On : 23 May 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 02:28:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/27/2025
Supervised By :Mahesh Dadoda 05/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	97608	43.657	ug/l		93
42) 1,2-Dichloroethane	8.665	62	188061	45.140	ug/l		96
43) Isopropyl Acetate	8.683	43	303488	36.559	ug/l		94
44) Trichloroethene	9.347	130	171938	53.307	ug/l		100
45) 1,2-Dichloropropane	9.618	63	150535	47.387	ug/l		100
46) Dibromomethane	9.706	93	102774	47.946	ug/l		97
47) Bromodichloromethane	9.882	83	214997	48.679	ug/l		94
48) Methyl methacrylate	9.677	41	137977	42.894	ug/l		91
49) 1,4-Dioxane	9.688	88	63045	925.587	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.441	43	869995	207.823	ug/l		95
52) Toluene	10.624	92	410215	49.356	ug/l		99
53) t-1,3-Dichloropropene	10.829	75	237372	50.762	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	258890	50.716	ug/l		94
55) 1,1,2-Trichloroethane	11.012	97	148480	47.890	ug/l		96
56) Ethyl methacrylate	10.871	69	245787	49.375	ug/l		91
57) 1,3-Dichloropropane	11.159	76	251519	47.090	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	590605	265.464	ug/l		97
59) 2-Hexanone	11.188	43	666190	217.921	ug/l		94
60) Dibromochloromethane	11.353	129	169404	52.136	ug/l		97
61) 1,2-Dibromoethane	11.465	107	151277	48.555	ug/l		99
64) Tetrachloroethene	11.100	164	176503	56.280	ug/l		96
65) Chlorobenzene	11.888	112	456090	50.805	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	150316	51.867	ug/l		100
67) Ethyl Benzene	11.959	91	769134	50.020	ug/l		98
68) m/p-Xylenes	12.065	106	608866	104.543	ug/l		97
69) o-Xylene	12.394	106	299785	51.775	ug/l		99
70) Styrene	12.406	104	503499	53.113	ug/l		98
71) Bromoform	12.576	173	111714	54.202	ug/l	#	97
73) Isopropylbenzene	12.694	105	711592	47.730	ug/l		99
74) N-amyl acetate	12.488	43	245737	39.451	ug/l		94
75) 1,1,2,2-Tetrachloroethane	12.935	83	189857	41.451	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	227652m	52.147	ug/l		
77) Bromobenzene	12.976	156	176790	47.141	ug/l		94
78) n-propylbenzene	13.029	91	831067	48.574	ug/l		99
79) 2-Chlorotoluene	13.123	91	518545	46.613	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	596618	49.949	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	86929	50.252	ug/l		89
82) 4-Chlorotoluene	13.218	91	526444	47.766	ug/l		99
83) tert-Butylbenzene	13.435	119	513827	49.328	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	605855	50.935	ug/l		100
85) sec-Butylbenzene	13.612	105	712248	50.994	ug/l		98
86) p-Isopropyltoluene	13.723	119	614769	53.698	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	328669	50.610	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	327009	50.823	ug/l		99
89) n-Butylbenzene	14.053	91	515358	54.299	ug/l		99
90) Hexachloroethane	14.329	117	98643	51.929	ug/l		96
91) 1,2-Dichlorobenzene	14.100	146	311871	50.490	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33717	44.437	ug/l		91
93) 1,2,4-Trichlorobenzene	15.388	180	147442	56.550	ug/l		99
94) Hexachlorobutadiene	15.494	225	59068	54.604	ug/l		98
95) Naphthalene	15.635	128	469719	51.886	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	136623	53.508	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086766.D
Acq On : 23 May 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 02:28:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/27/2025
Supervised By :Mahesh Dadoda 05/27/2025

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

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

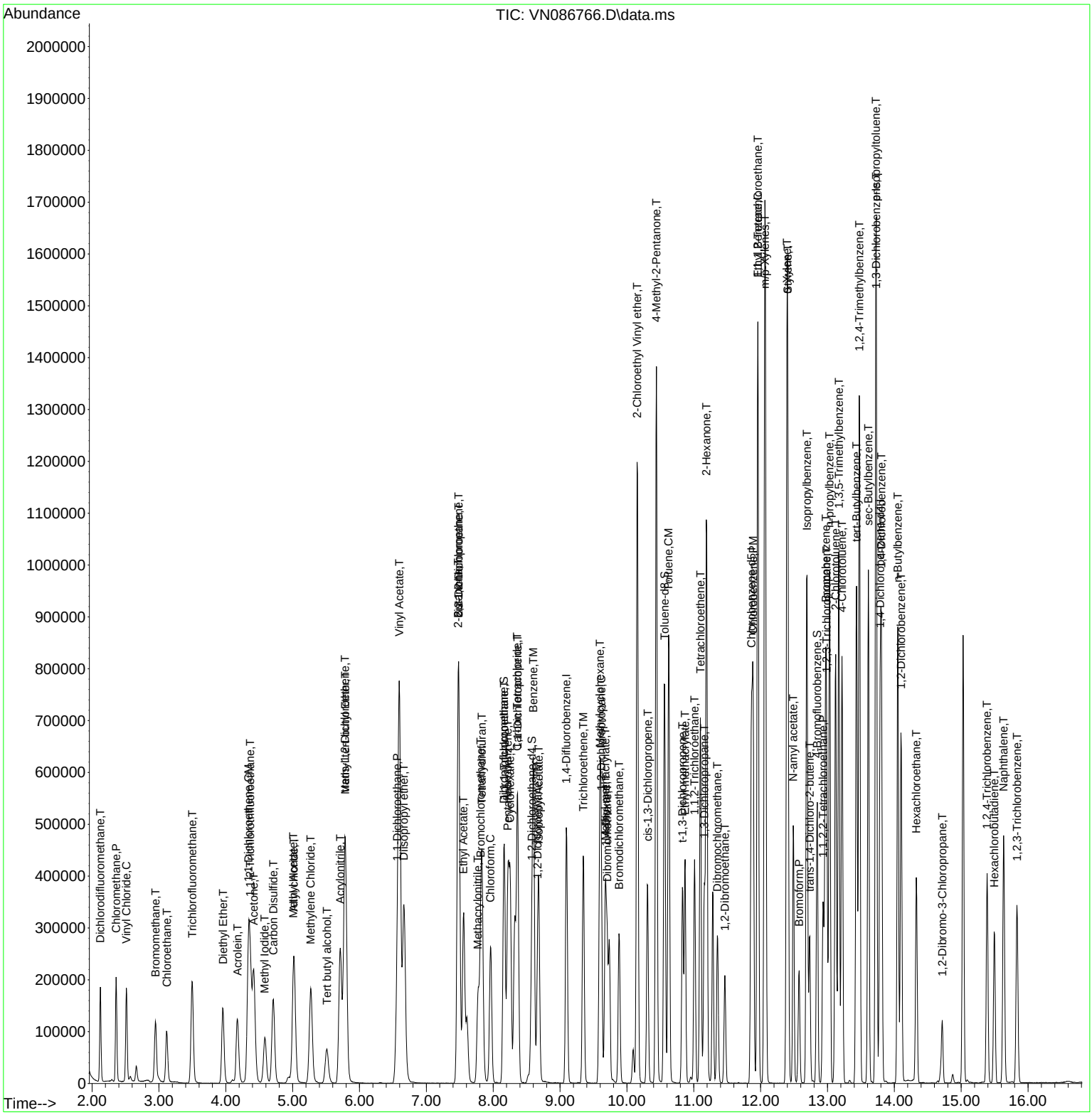
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086766.D
Acq On : 23 May 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 24 02:28:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/27/2025
Supervised By :Mahesh Dadoda 05/27/2025



Sample Results: **VN086766.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086766.D
Acq On : 23 May 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 24 02:28:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	138	0.00
2	T	Dichlorodifluoromethane	0.540	0.538	0.4	124	0.00
3	P	Chloromethane	0.817	0.664	18.7	117	0.00
4	C	Vinyl Chloride	0.733	0.655	10.6#	120	0.00
5	T	Bromomethane	0.423	0.353	16.5	121	0.00
6	T	Chloroethane	0.480	0.411	14.4	122	0.00
7	T	Trichlorofluoromethane	0.877	0.829	5.5	130	0.00
8	T	Diethyl Ether	0.362	0.345	4.7	132	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.525	0.517	1.5	135	0.00
10	T	Methyl Iodide	0.653	0.604	7.5	128	0.00
11	T	Tert butyl alcohol	0.126	0.099	21.4	112	0.00
12	CM	1,1-Dichloroethene	0.558	0.530	5.0#	133	0.00
13	T	Acrolein	0.135	0.123	8.9	127	0.00
14	T	Allyl chloride	0.844	0.716	15.2	120	0.00
15	T	Acrylonitrile	0.312	0.260	16.7	115	0.00
16	T	Acetone	0.258	0.273	-5.8	155#	0.00
17	T	Carbon Disulfide	1.544	1.401	9.3	125	0.00
18	T	Methyl Acetate	0.723	0.552	23.7	115	0.00
19	T	Methyl tert-butyl Ether	1.899	1.772	6.7	128	0.00
20	T	Methylene Chloride	0.682	0.583	14.5	127	0.00
21	T	trans-1,2-Dichloroethene	0.590	0.551	6.6	132	0.00
22	T	Diisopropyl ether	1.904	1.648	13.4	118	0.00
23	T	Vinyl Acetate	1.431	1.195	16.5	113	0.00
24	P	1,1-Dichloroethane	1.118	0.986	11.8	123	0.00
25	T	2-Butanone	0.399	0.358	10.3	123	0.00
26	T	2,2-Dichloropropane	0.923	0.883	4.3	137	0.00
27	T	cis-1,2-Dichloroethene	0.724	0.671	7.3	130	0.00
28	T	Bromochloromethane	0.508	0.395	22.2	107	0.00
29	T	Tetrahydrofuran	0.261	0.205	21.5	107	0.00
30	C	Chloroform	1.119	0.993	11.3#	125	0.00
31	T	Cyclohexane	1.037	0.855	17.6	120	0.00
32	T	1,1,1-Trichloroethane	0.944	0.861	8.8	126	0.00
33	S	1,2-Dichloroethane-d4	0.691	0.591	14.5	118	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	127	0.00
35	S	Dibromofluoromethane	0.298	0.303	-1.7	129	0.00
36	T	1,1-Dichloropropene	0.439	0.436	0.7	128	0.00
37	T	Ethyl Acetate	0.444	0.364	18.0	106	0.00
38	T	Carbon Tetrachloride	0.433	0.440	-1.6	130	0.00
39	T	Methylcyclohexane	0.475	0.501	-5.5	133	0.00
40	TM	Benzene	1.433	1.390	3.0	126	0.00
41	T	Methacrylonitrile	0.240	0.209	12.9	111	0.00
42	TM	1,2-Dichloroethane	0.446	0.403	9.6	117	0.00
43	T	Isopropyl Acetate	0.889	0.650	26.9#	107	0.00
44	TM	Trichloroethene	0.346	0.368	-6.4	137	0.00
45	C	1,2-Dichloropropane	0.340	0.323	5.0#	122	0.00
46	T	Dibromomethane	0.230	0.220	4.3	123	0.00
47	T	Bromodichloromethane	0.473	0.461	2.5	125	0.00
48	T	Methyl methacrylate	0.345	0.296	14.2	107	0.00

Sample Results: **VN086766.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086766.D
Acq On : 23 May 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 24 02:28:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.007	0.0	115	0.00
50	S	Toluene-d8	1.234	1.244	-0.8	127	0.00
51	T	4-Methyl-2-Pentanone	0.449	0.373	16.9	105	0.00
52	CM	Toluene	0.891	0.879	1.3#	126	0.00
53	T	t-1,3-Dichloropropene	0.501	0.509	-1.6	126	0.00
54	T	cis-1,3-Dichloropropene	0.547	0.555	-1.5	129	0.00
55	T	1,1,2-Trichloroethane	0.332	0.318	4.2	126	0.00
56	T	Ethyl methacrylate	0.533	0.527	1.1	120	0.00
57	T	1,3-Dichloropropane	0.572	0.539	5.8	122	0.00
58	T	2-Chloroethyl Vinyl ether	0.238	0.253	-6.3	125	0.00
59	T	2-Hexanone	0.328	0.286	12.8	109	0.00
60	T	Dibromochloromethane	0.348	0.363	-4.3	132	0.00
61	T	1,2-Dibromoethane	0.334	0.324	3.0	124	0.00
62	S	4-Bromofluorobenzene	0.436	0.447	-2.5	127	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	123	0.00
64	T	Tetrachloroethene	0.383	0.431	-12.5	144	0.00
65	PM	Chlorobenzene	1.096	1.114	-1.6	129	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.367	-3.7	129	0.00
67	C	Ethyl Benzene	1.878	1.879	-0.1#	124	0.00
68	T	m/p-Xylenes	0.711	0.744	-4.6	127	0.00
69	T	o-Xylene	0.707	0.732	-3.5	125	0.00
70	T	Styrene	1.158	1.230	-6.2	126	0.00
71	P	Bromoform	0.252	0.273	-8.3	129	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	121	0.00
73	T	Isopropylbenzene	3.862	3.686	4.6	126	0.00
74	T	N-amyl acetate	1.613	1.273	21.1	102	0.00
75	P	1,1,2,2-Tetrachloroethane	1.186	0.984	17.0	113	0.00
76	T	1,2,3-Trichloropropane	1.131	1.179	-4.2	138	0.00
77	T	Bromobenzene	0.971	0.916	5.7	127	0.00
78	T	n-propylbenzene	4.432	4.305	2.9	124	0.00
79	T	2-Chlorotoluene	2.882	2.686	6.8	122	0.00
80	T	1,3,5-Trimethylbenzene	3.094	3.091	0.1	128	0.00
81	T	trans-1,4-Dichloro-2-butene	0.448	0.450	-0.4	121	0.00
82	T	4-Chlorotoluene	2.855	2.727	4.5	124	0.00
83	T	tert-Butylbenzene	2.698	2.662	1.3	129	0.00
84	T	1,2,4-Trimethylbenzene	3.081	3.139	-1.9	127	0.00
85	T	sec-Butylbenzene	3.618	3.690	-2.0	129	0.00
86	T	p-Isopropyltoluene	2.965	3.185	-7.4	133	0.00
87	T	1,3-Dichlorobenzene	1.682	1.703	-1.2	129	0.00
88	T	1,4-Dichlorobenzene	1.667	1.694	-1.6	129	0.00
89	T	n-Butylbenzene	2.458	2.670	-8.6	132	0.00
90	T	Hexachloroethane	0.492	0.511	-3.9	130	0.00
91	T	1,2-Dichlorobenzene	1.600	1.616	-1.0	126	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.197	0.175	11.2	105	0.00
93	T	1,2,4-Trichlorobenzene	0.675	0.764	-13.2	135	0.00
94	T	Hexachlorobutadiene	0.280	0.306	-9.3	141	0.00
95	T	Naphthalene	2.345	2.433	-3.8	122	0.00

Sample Results: **VN086766.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086766.D
Acq On : 23 May 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 24 02:28:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	0.661	0.708	-7.1	131	0.00

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

Sample Results: **VN086766.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086766.D
Acq On : 23 May 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 24 02:28:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	138	0.00
2	T	Dichlorodifluoromethane	50.000	49.777	0.4	124	0.00
3	P	Chloromethane	50.000	40.636	18.7	117	0.00
4	C	Vinyl Chloride	50.000	44.645	10.7#	120	0.00
5	T	Bromomethane	50.000	41.706	16.6	121	0.00
6	T	Chloroethane	50.000	42.806	14.4	122	0.00
7	T	Trichlorofluoromethane	50.000	47.289	5.4	130	0.00
8	T	Diethyl Ether	50.000	47.635	4.7	132	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.223	1.6	135	0.00
10	T	Methyl Iodide	50.000	46.270	7.5	128	0.00
11	T	Tert butyl alcohol	250.000	197.081	21.2	112	0.00
12	CM	1,1-Dichloroethene	50.000	47.525	5.0#	133	0.00
13	T	Acrolein	250.000	228.757	8.5	127	0.00
14	T	Allyl chloride	50.000	42.389	15.2	120	0.00
15	T	Acrylonitrile	250.000	208.484	16.6	115	0.00
16	T	Acetone	250.000	263.938	-5.6	155	0.00
17	T	Carbon Disulfide	50.000	45.373	9.3	125	0.00
18	T	Methyl Acetate	50.000	38.123	23.8	115	0.00
19	T	Methyl tert-butyl Ether	50.000	46.646	6.7	128	0.00
20	T	Methylene Chloride	50.000	42.731	14.5	127	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.693	6.6	132	0.00
22	T	Diisopropyl ether	50.000	43.264	13.5	118	0.00
23	T	Vinyl Acetate	250.000	208.691	16.5	113	0.00
24	P	1,1-Dichloroethane	50.000	44.075	11.8	123	0.00
25	T	2-Butanone	250.000	224.030	10.4	123	0.00
26	T	2,2-Dichloropropane	50.000	47.837	4.3	137	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.342	7.3	130	0.00
28	T	Bromochloromethane	50.000	38.841	22.3	107	0.00
29	T	Tetrahydrofuran	250.000	196.232	21.5	107	0.00
30	C	Chloroform	50.000	44.356	11.3#	125	0.00
31	T	Cyclohexane	50.000	41.234	17.5	120	0.00
32	T	1,1,1-Trichloroethane	50.000	45.646	8.7	126	0.00
33	S	1,2-Dichloroethane-d4	50.000	42.798	14.4	118	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	127	0.00
35	S	Dibromofluoromethane	50.000	50.859	-1.7	129	0.00
36	T	1,1-Dichloropropene	50.000	49.658	0.7	128	0.00
37	T	Ethyl Acetate	50.000	41.011	18.0	106	0.00
38	T	Carbon Tetrachloride	50.000	50.785	-1.6	130	0.00
39	T	Methylcyclohexane	50.000	52.720	-5.4	133	0.00
40	TM	Benzene	50.000	48.489	3.0	126	0.00
41	T	Methacrylonitrile	50.000	43.657	12.7	111	0.00
42	TM	1,2-Dichloroethane	50.000	45.140	9.7	117	0.00
43	T	Isopropyl Acetate	50.000	36.559	26.9#	107	0.00
44	TM	Trichloroethene	50.000	53.307	-6.6	137	0.00
45	C	1,2-Dichloropropane	50.000	47.387	5.2#	122	0.00
46	T	Dibromomethane	50.000	47.946	4.1	123	0.00
47	T	Bromodichloromethane	50.000	48.679	2.6	125	0.00
48	T	Methyl methacrylate	50.000	42.894	14.2	107	0.00

Sample Results: **VN086766.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086766.D
Acq On : 23 May 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 24 02:28:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	925.587	7.4	115	0.00
50	S	Toluene-d8	50.000	50.394	-0.8	127	0.00
51	T	4-Methyl-2-Pentanone	250.000	207.823	16.9	105	0.00
52	CM	Toluene	50.000	49.356	1.3#	126	0.00
53	T	t-1,3-Dichloropropene	50.000	50.762	-1.5	126	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.716	-1.4	129	0.00
55	T	1,1,2-Trichloroethane	50.000	47.890	4.2	126	0.00
56	T	Ethyl methacrylate	50.000	49.375	1.3	120	0.00
57	T	1,3-Dichloropropane	50.000	47.090	5.8	122	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	265.464	-6.2	125	0.00
59	T	2-Hexanone	250.000	217.921	12.8	109	0.00
60	T	Dibromochloromethane	50.000	52.136	-4.3	132	0.00
61	T	1,2-Dibromoethane	50.000	48.555	2.9	124	0.00
62	S	4-Bromofluorobenzene	50.000	51.300	-2.6	127	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	123	0.00
64	T	Tetrachloroethene	50.000	56.280	-12.6	144	0.00
65	PM	Chlorobenzene	50.000	50.805	-1.6	129	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.867	-3.7	129	0.00
67	C	Ethyl Benzene	50.000	50.020	-0.0#	124	0.00
68	T	m/p-Xylenes	100.000	104.543	-4.5	127	0.00
69	T	o-Xylene	50.000	51.775	-3.5	125	0.00
70	T	Styrene	50.000	53.113	-6.2	126	0.00
71	P	Bromoform	50.000	54.202	-8.4	129	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	121	0.00
73	T	Isopropylbenzene	50.000	47.730	4.5	126	0.00
74	T	N-amyl acetate	50.000	39.451	21.1	102	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	41.451	17.1	113	0.00
76	T	1,2,3-Trichloropropane	50.000	52.147	-4.3	138	0.00
77	T	Bromobenzene	50.000	47.141	5.7	127	0.00
78	T	n-propylbenzene	50.000	48.574	2.9	124	0.00
79	T	2-Chlorotoluene	50.000	46.613	6.8	122	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.949	0.1	128	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.252	-0.5	121	0.00
82	T	4-Chlorotoluene	50.000	47.766	4.5	124	0.00
83	T	tert-Butylbenzene	50.000	49.328	1.3	129	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.935	-1.9	127	0.00
85	T	sec-Butylbenzene	50.000	50.994	-2.0	129	0.00
86	T	p-Isopropyltoluene	50.000	53.698	-7.4	133	0.00
87	T	1,3-Dichlorobenzene	50.000	50.610	-1.2	129	0.00
88	T	1,4-Dichlorobenzene	50.000	50.823	-1.6	129	0.00
89	T	n-Butylbenzene	50.000	54.299	-8.6	132	0.00
90	T	Hexachloroethane	50.000	51.929	-3.9	130	0.00
91	T	1,2-Dichlorobenzene	50.000	50.490	-1.0	126	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.437	11.1	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	56.550	-13.1	135	0.00
94	T	Hexachlorobutadiene	50.000	54.604	-9.2	141	0.00
95	T	Naphthalene	50.000	51.886	-3.8	122	0.00

Sample Results: **VN086766.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086766.D
Acq On : 23 May 2025 09:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 24 02:28:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 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	53.508	-7.0	131	0.00

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

QC SAMPLE DATA

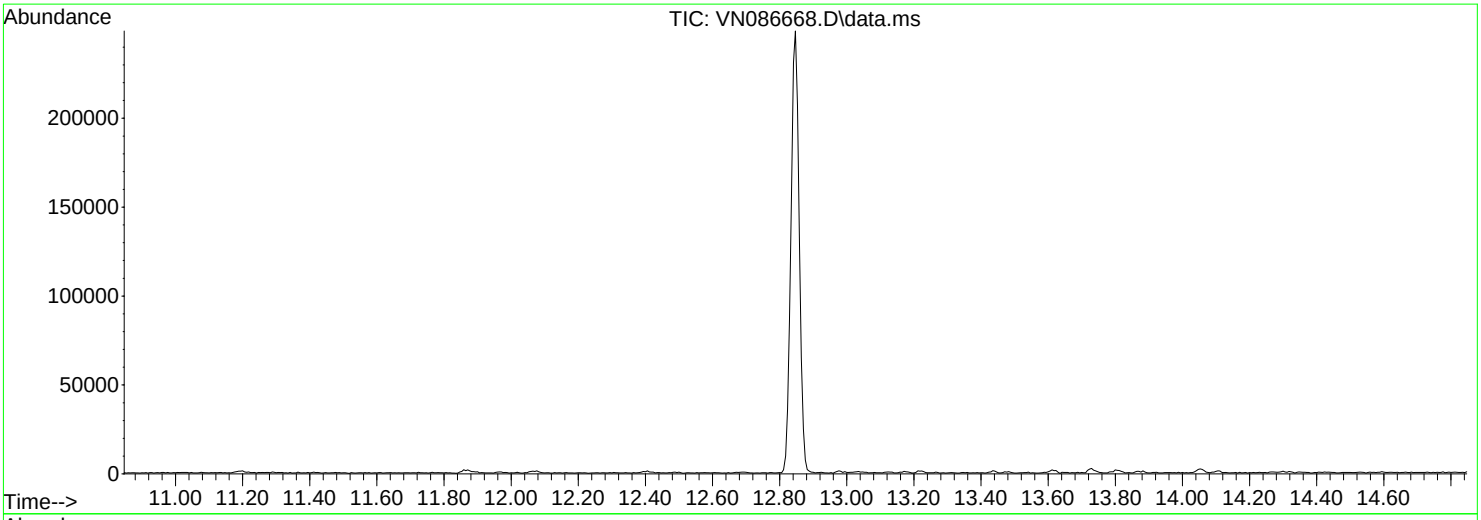
Sample Results: **VN086668.D**

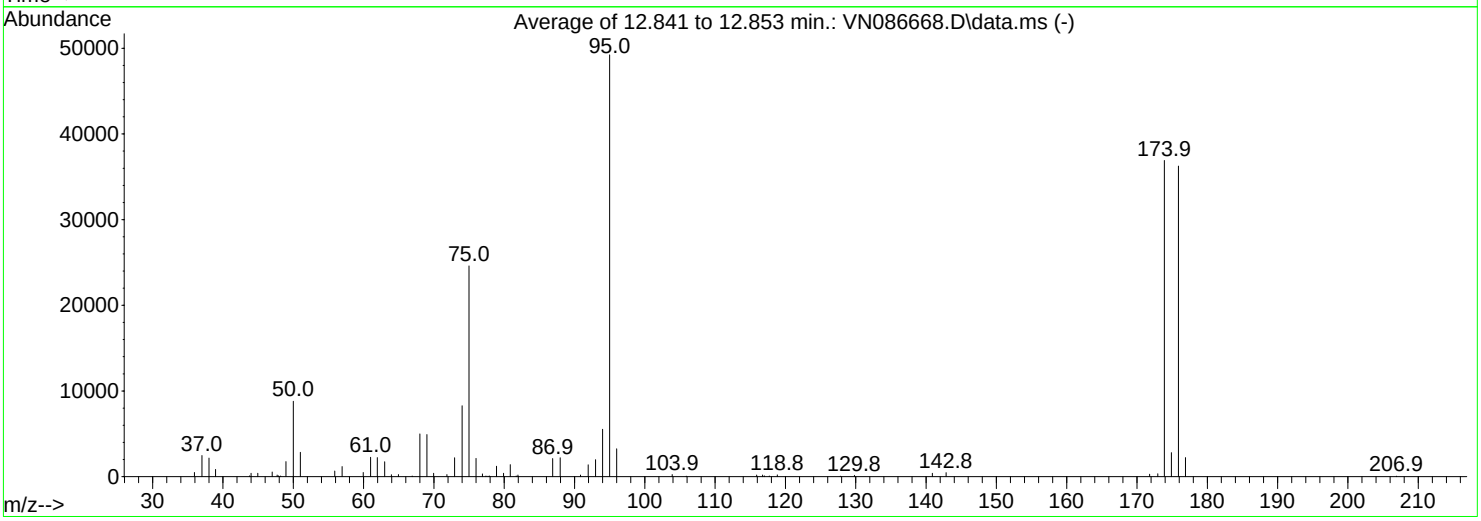
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086668.D
Acq On : 16 May 2025 15:33
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Title : SW846 8260
Last Update : Sat May 17 00:46:13 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	17.9	8802	PASS
75	95	30	60	50.0	24603	PASS
95	95	100	100	100.0	49237	PASS
96	95	5	9	6.6	3255	PASS
173	174	0.00	2	0.9	345	PASS
174	95	50	100	74.9	36899	PASS
175	174	5	9	7.6	2805	PASS
176	174	95	101	98.2	36248	PASS
177	176	5	9	6.1	2226	PASS

Average of 12.841 to 12.853 min.: VN086668.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	491	48.95	1758	66.90	77	77.70	6
37.00	2471	50.00	8802	68.00	4985	77.90	8
38.00	2170	51.00	2842	69.00	4914	78.90	122
38.95	848	55.90	650	69.95	392	79.90	39
43.80	90	56.95	1184	71.85	240	80.85	1395
44.00	384	59.95	482	72.95	2211	81.70	66
44.95	402	61.00	2266	74.00	8274	81.95	184
47.00	538	61.95	2229	75.00	24603	86.90	2121
47.70	193	63.00	1738	76.00	2136	87.95	2202
47.90	98	63.95	231	76.90	315	90.85	195
48.20	75	64.95	248	77.40	73	91.95	1382

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086668.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	1974	127.80	58				
94.00	5539	129.80	148				
95.00	49237	140.90	397				
96.00	3255	142.85	470				
103.90	249	171.80	278				
105.90	60	172.95	345				
115.90	181	173.90	36899				
116.75	181	174.90	2805				
117.00	86	175.90	36248				
117.70	68	176.90	2226				
118.85	214	206.90	58				

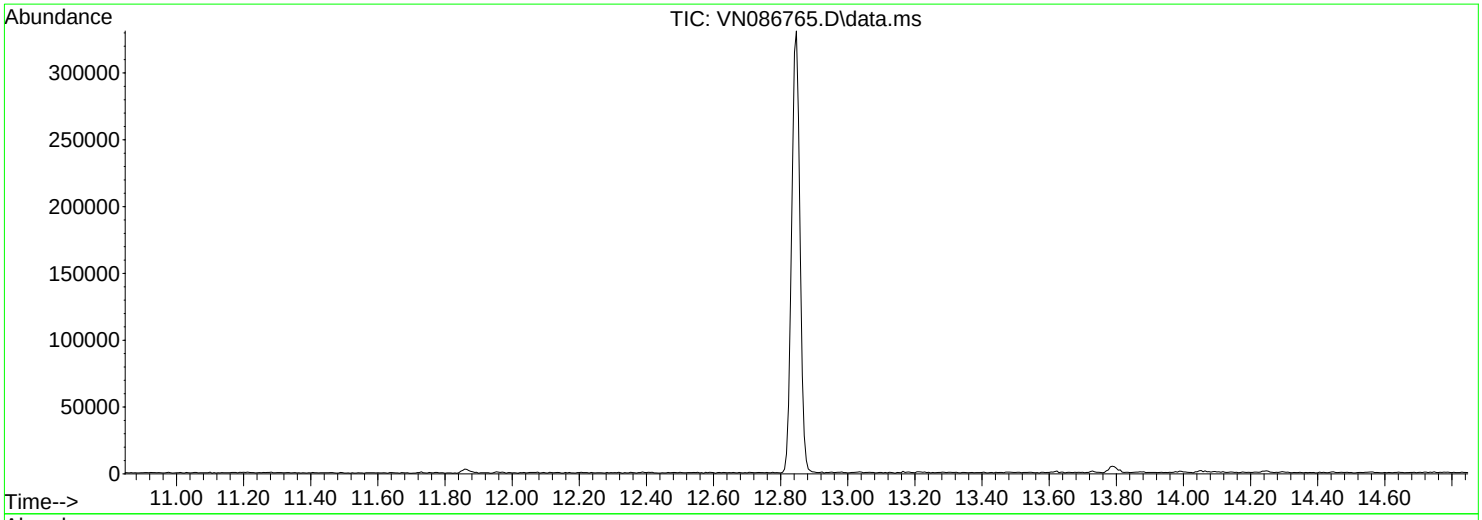
Sample Results: **VN086765.D**

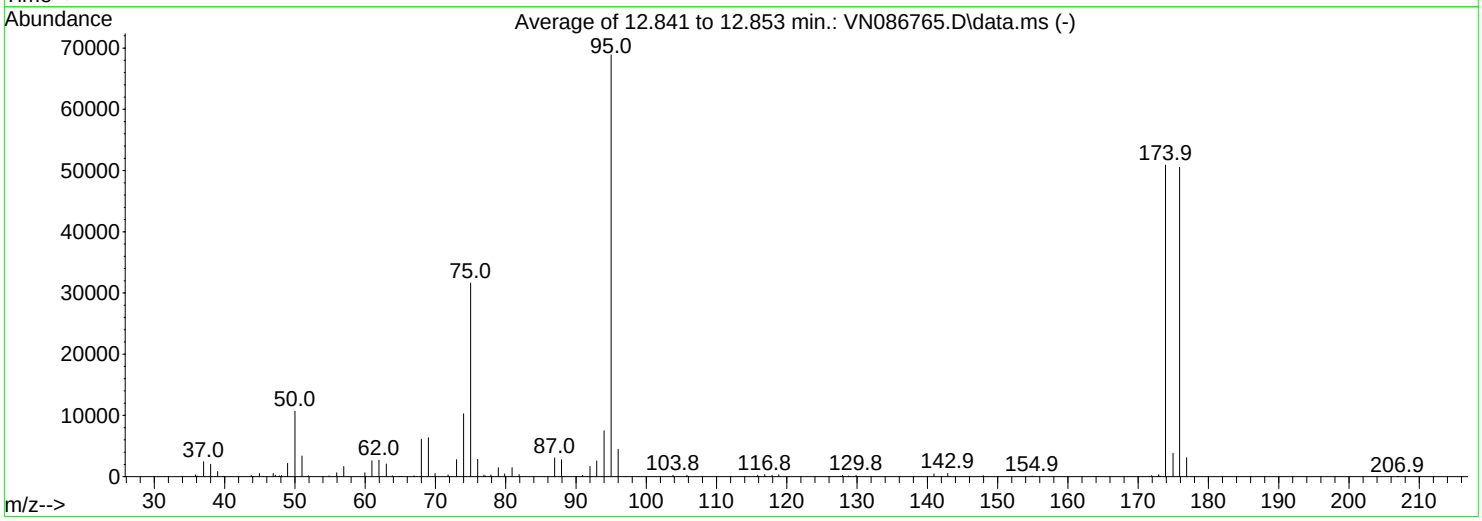
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086765.D
Acq On : 23 May 2025 08:37
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Title : SW846 8260
Last Update : Sat May 17 00:46:13 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1842

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.5	10690	PASS
75	95	30	60	45.9	31621	PASS
95	95	100	100	100.0	68904	PASS
96	95	5	9	6.5	4467	PASS
173	174	0.00	2	0.6	311	PASS
174	95	50	100	73.8	50883	PASS
175	174	5	9	7.5	3816	PASS
176	174	95	101	99.3	50515	PASS
177	176	5	9	6.1	3097	PASS

Average of 12.841 to 12.853 min.: VN086765.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.85	297	47.80	126	61.95	2695	74.00	1028
36.10	118	48.10	191	63.00	2074	75.00	3162
37.00	2436	48.95	2164	63.90	123	76.00	281
38.00	2020	50.00	10690	64.90	58	76.90	26
39.00	848	51.00	3361	65.10	58	77.10	111
39.85	5	51.95	133	66.95	132	77.90	280
43.80	196	54.85	144	68.00	6104	78.95	1465
43.90	11	55.95	643	69.00	6359	79.85	445
44.95	497	56.95	1663	69.95	518	80.90	1470
46.90	522	59.95	637	71.80	283	81.90	338
47.20	228	60.95	2594	73.00	2776	86.95	3053

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086765.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.95	2773	116.85	355	171.90	168		
90.95	208	117.90	241	172.90	311		
92.00	1664	118.85	322	173.10	113		
92.95	2562	127.70	84	173.90	50883		
94.00	7515	127.95	215	174.95	3816		
95.00	68904	128.80	107	175.90	50515		
96.00	4467	129.85	222	176.90	3097		
97.10	57	140.95	456	206.90	10		
103.80	236	142.90	524				
105.80	225	147.95	155				
115.85	245	154.90	105				

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

Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	
Project:	AEC-2025-0013- 14 Fisher Lane, White Plains Bus Co	Date Received:	
Client Sample ID:	VN0523WBL01	SDG No.:	Q2116
Lab Sample ID:	VN0523WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086768.D	1		05/23/25 10:52	VN052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.6		74 - 125	85%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	50.9		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	261000	8.218			
540-36-3	1,4-Difluorobenzene	476000	9.1			
3114-55-4	Chlorobenzene-d5	450000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	197000	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\VN052325\
Data File : VN086768.D
Acq On : 23 May 2025 10:52
Operator : JC\MD
Sample : VN0523WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01

Quant Time: May 24 02:29:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

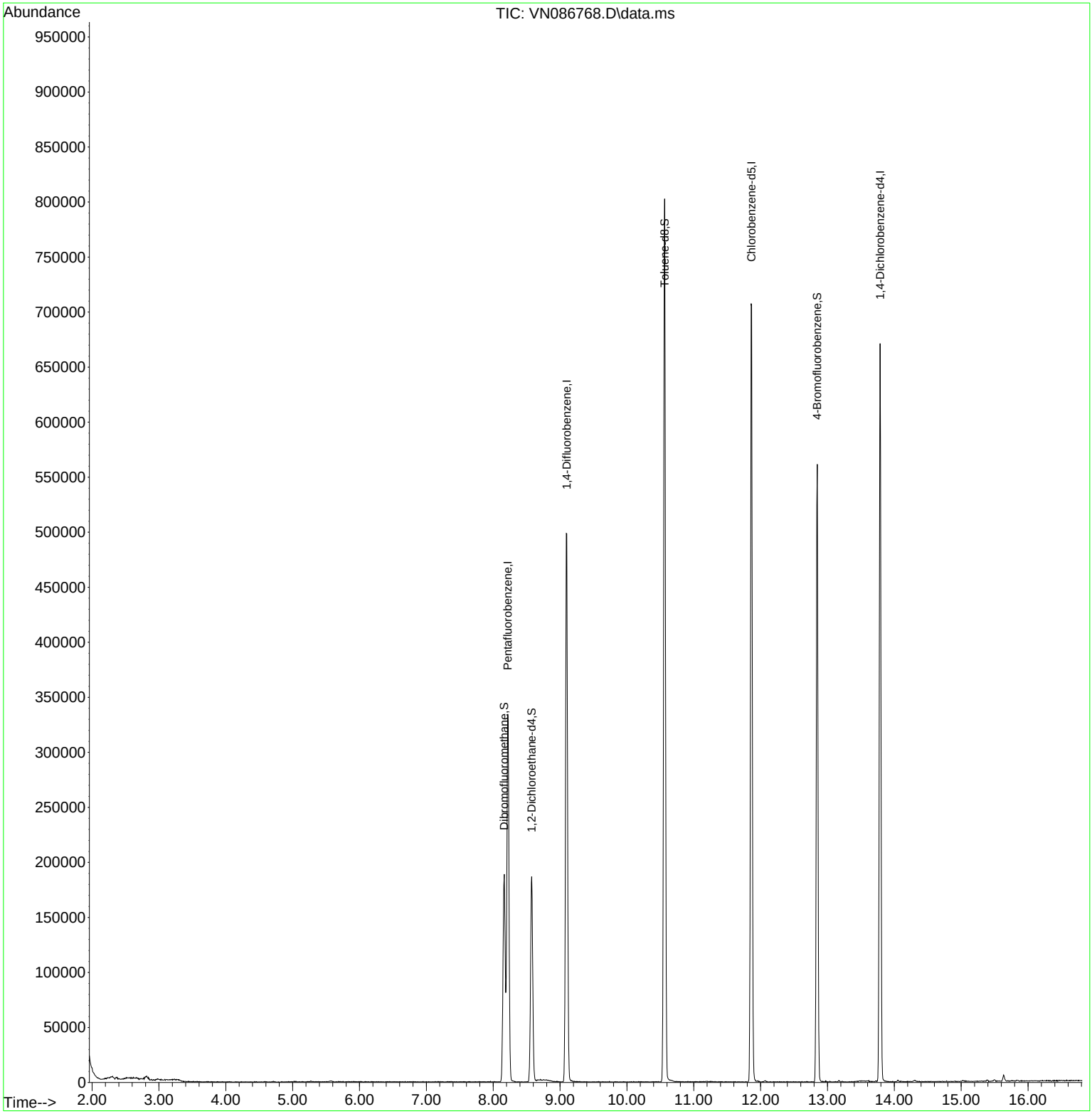
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	261056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	476062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	449746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	197068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	153688	42.605	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.200%			
35) Dibromofluoromethane	8.165	113	142583	50.291	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.580%			
50) Toluene-d8	10.565	98	597701	50.873	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.740%			
62) 4-Bromofluorobenzene	12.847	95	215148	51.862	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.720%			
Target Compounds						Qvalue

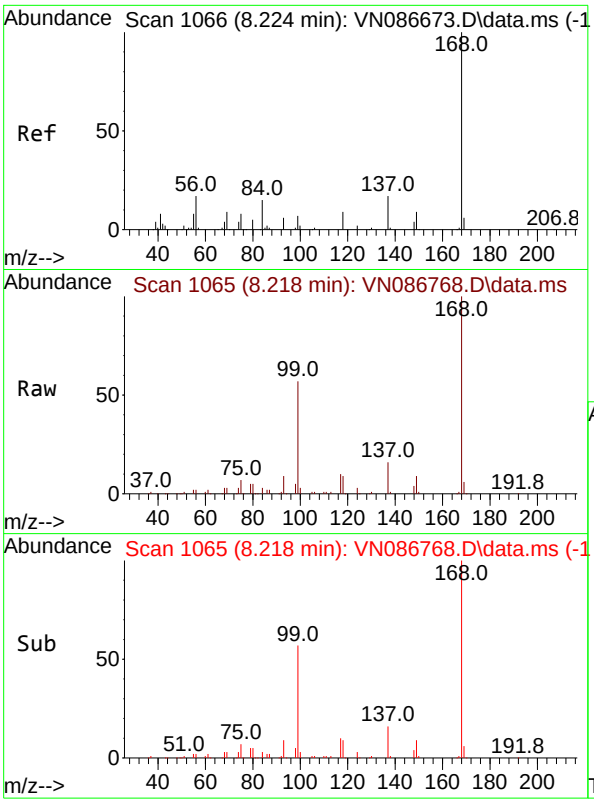
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086768.D
Acq On : 23 May 2025 10:52
Operator : JC\MD
Sample : VN0523WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01

Quant Time: May 24 02:29:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration



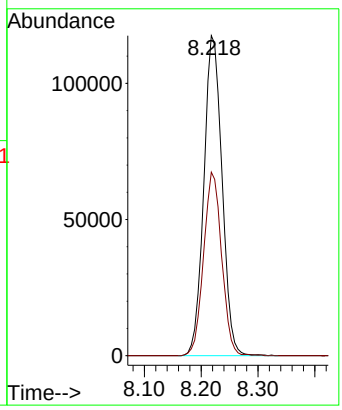


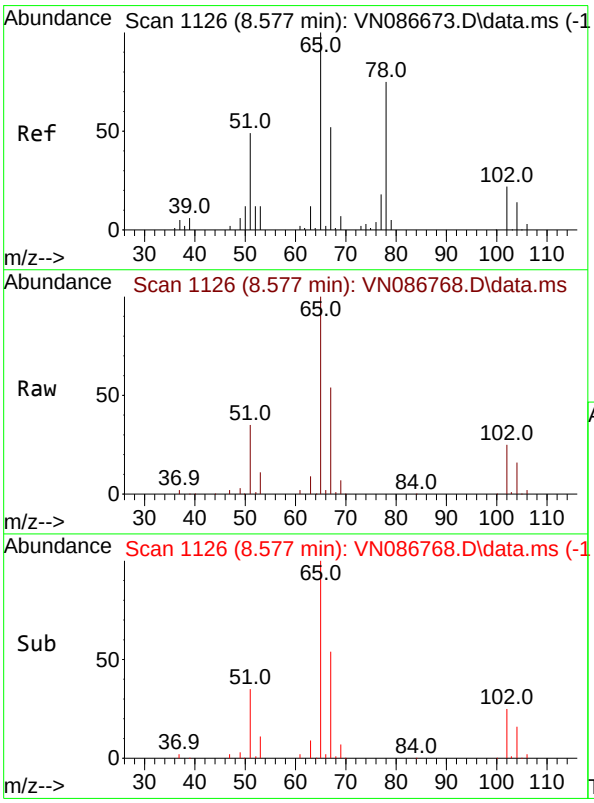
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01

Tgt Ion:168 Resp: 261056

Ion	Ratio	Lower	Upper
168	100		
99	57.3	47.0	70.4

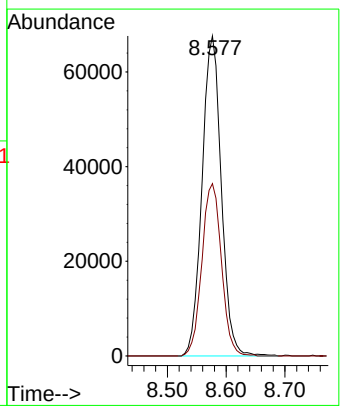


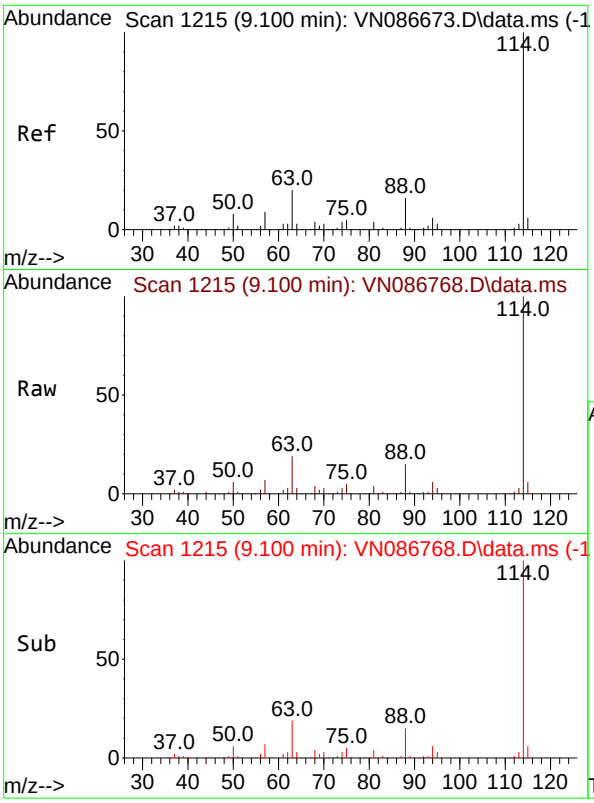


#33
1,2-Dichloroethane-d4
Concen: 42.605 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

Tgt Ion: 65 Resp: 153688

Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	106.4



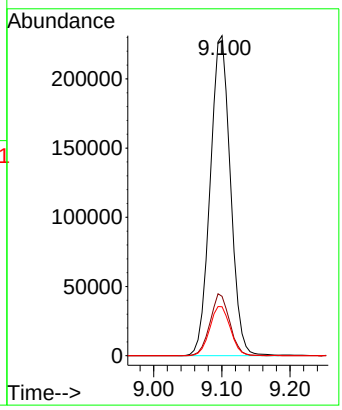


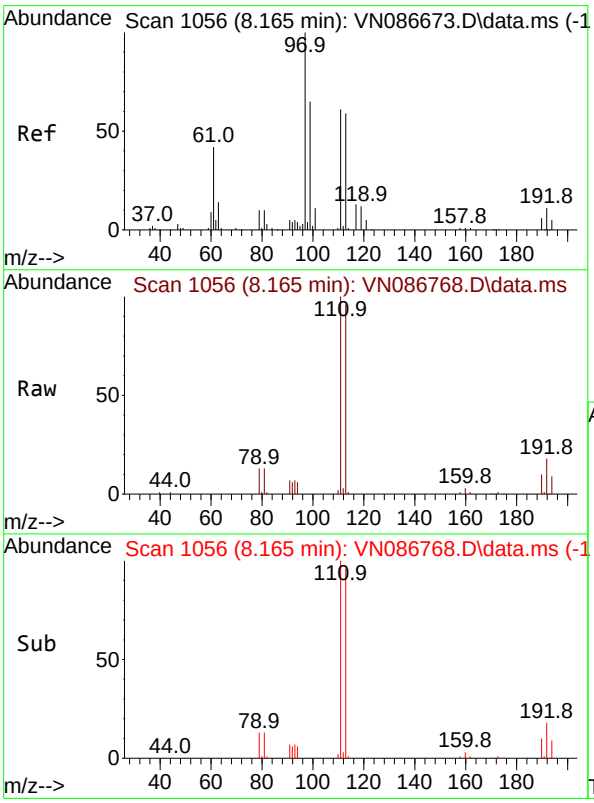
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01

Tgt Ion:114 Resp: 476062

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	40.2
88	15.3	0.0	31.2

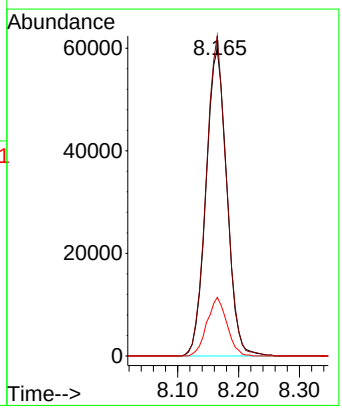


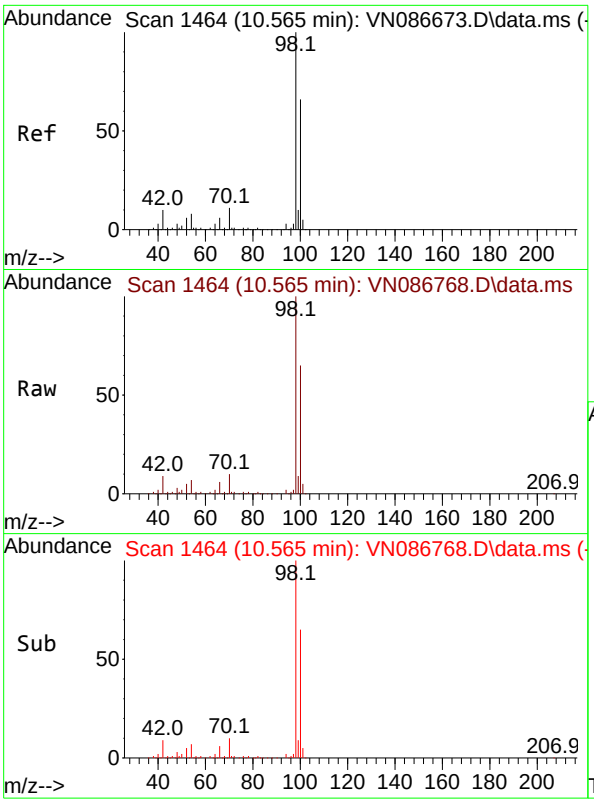


#35
Dibromofluoromethane
Concen: 50.291 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

Tgt Ion:113 Resp: 142583

Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.2
192	18.2	13.8	20.8



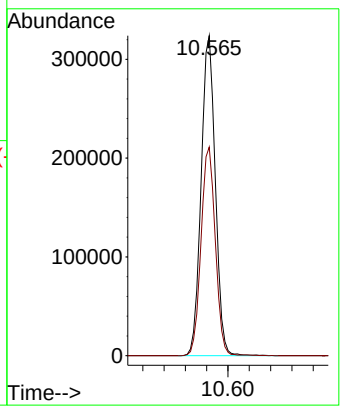


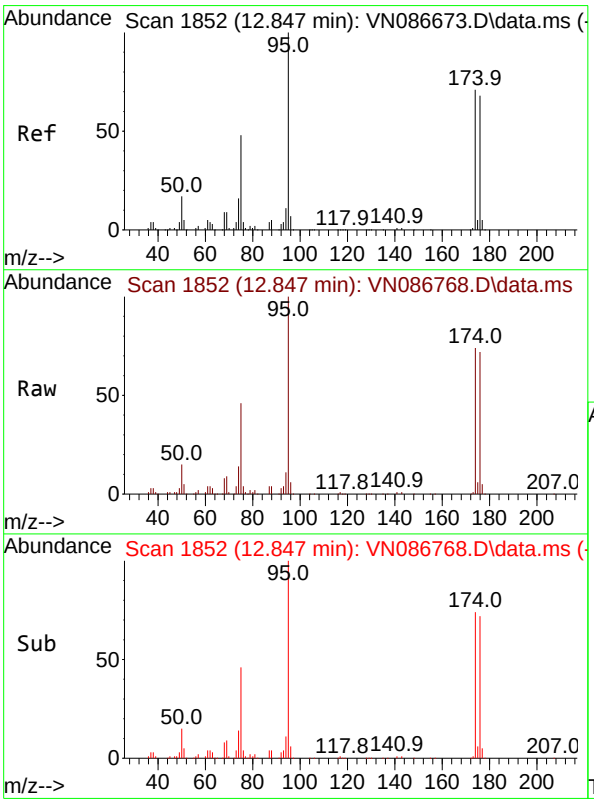
#50
Toluene-d8
Concen: 50.873 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01

Tgt Ion: 98 Resp: 597701

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.9	79.3

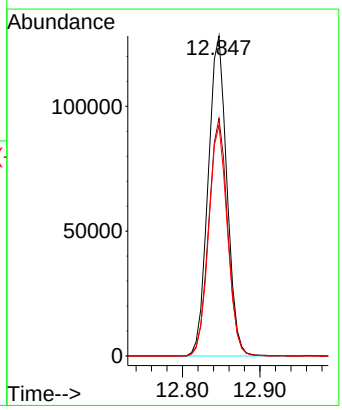


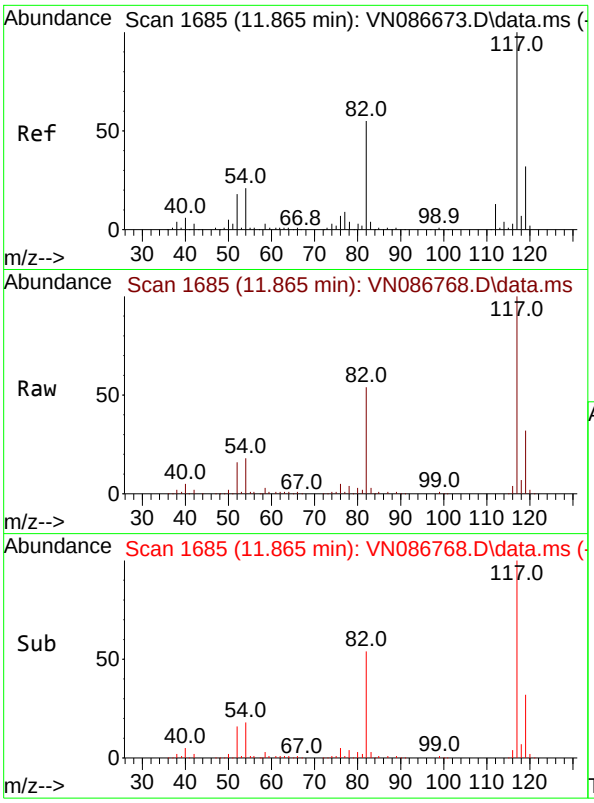


#62
4-Bromofluorobenzene
Concen: 51.862 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

Tgt Ion: 95 Resp: 215148

Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	145.4
176	72.0	0.0	137.8



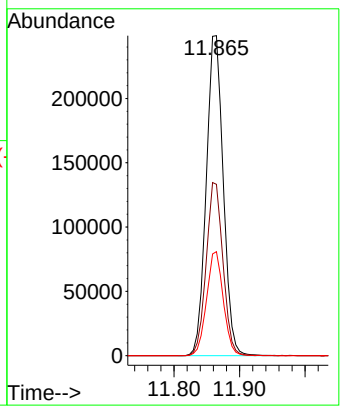


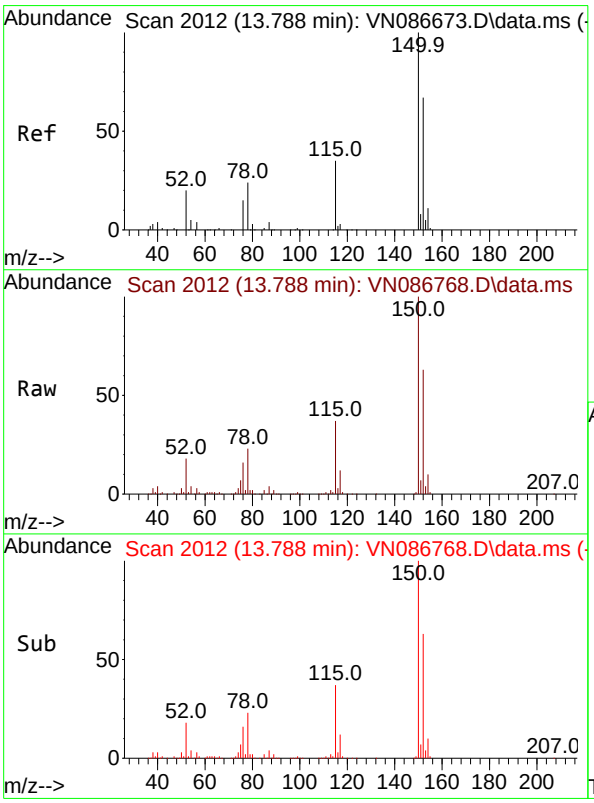
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBL01

Tgt Ion:117 Resp: 449746

Ion	Ratio	Lower	Upper
117	100		
82	53.5	44.2	66.2
119	32.5	25.4	38.2

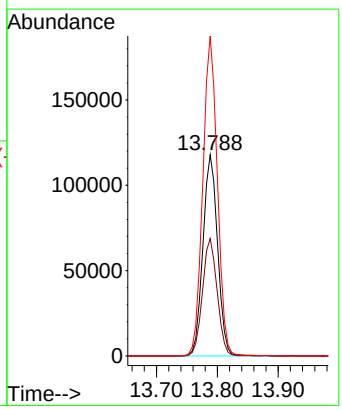




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086768.D
Acq: 23 May 2025 10:52

Tgt Ion:152 Resp: 197068

Ion	Ratio	Lower	Upper
152	100		
115	58.3	30.0	90.1
150	157.9	0.0	347.8



Raw Data: **VN086769.D**

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

Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	
Project:	AEC-2025-0013- 14 Fisher Lane, White Plains Bus Co	Date Received:	
Client Sample ID:	VN0523WBS01	SDG No.:	Q2116
Lab Sample ID:	VN0523WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086769.D	1		05/23/25 11:16	VN052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	17.5		0.15	1.00	ug/L
108-88-3	Toluene	18.2		0.14	1.00	ug/L
100-41-4	Ethyl Benzene	18.3		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.0		0.24	2.00	ug/L
95-47-6	o-Xylene	19.1		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.9		74 - 125	84%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	49.6		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	283000	8.224			
540-36-3	1,4-Difluorobenzene	486000	9.1			
3114-55-4	Chlorobenzene-d5	427000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	194000	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\VN052325\
Data File : VN086769.D
Acq On : 23 May 2025 11:16
Operator : JC\MD
Sample : VN0523WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 24 02:30:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/27/2025
Supervised By :Mahesh Dadoda 05/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	283024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	485622	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	427228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	194058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	163735	41.867	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 83.740%			
35) Dibromofluoromethane	8.165	113	143418	49.590	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.180%			
50) Toluene-d8	10.565	98	594026	49.564	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.120%			
62) 4-Bromofluorobenzene	12.847	95	211187	49.905	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	55450	18.142	ug/l	99
3) Chloromethane	2.359	50	72670	15.719	ug/l	99
4) Vinyl Chloride	2.512	62	67423	16.239	ug/l	96
5) Bromomethane	2.953	94	38086	15.913	ug/l	95
6) Chloroethane	3.118	64	41967	15.430	ug/l	96
7) Trichlorofluoromethane	3.500	101	85677	17.268	ug/l	98
8) Diethyl Ether	3.959	74	35493	17.316	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.377	101	52775	17.767	ug/l	98
10) Methyl Iodide	4.589	142	62766	16.987	ug/l	98
11) Tert butyl alcohol	5.512	59	53214	74.711	ug/l #	89
12) 1,1-Dichloroethene	4.342	96	53905	17.076	ug/l	88
13) Acrolein	4.177	56	75824	99.581	ug/l	99
14) Allyl chloride	5.018	41	73106	15.300	ug/l	93
15) Acrylonitrile	5.718	53	140444	79.637	ug/l	97
16) Acetone	4.424	43	101257	69.215	ug/l	92
17) Carbon Disulfide	4.712	76	141467	16.186	ug/l	98
18) Methyl Acetate	5.018	43	58100	14.190	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	182151	16.946	ug/l	99
20) Methylene Chloride	5.277	84	62093	16.084	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	56131	16.818	ug/l	97
22) Diisopropyl ether	6.671	45	169435	15.718	ug/l	96
23) Vinyl Acetate	6.600	43	613252	75.696	ug/l	95
24) 1,1-Dichloroethane	6.565	63	101482	16.035	ug/l	98
25) 2-Butanone	7.477	43	165465	73.194	ug/l	97
26) 2,2-Dichloropropane	7.488	77	90937	17.411	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	68857	16.808	ug/l	97
28) Bromochloromethane	7.806	49	51232	17.817	ug/l	86
29) Tetrahydrofuran	7.835	42	110529	74.907	ug/l	96
30) Chloroform	7.959	83	103737	16.376	ug/l	97
31) Cyclohexane	8.253	56	91542	15.596	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	89808	16.815	ug/l	97
36) 1,1-Dichloropropene	8.365	75	74361	17.431	ug/l	99
37) Ethyl Acetate	7.559	43	67896	15.756	ug/l	98
38) Carbon Tetrachloride	8.359	117	77251	18.379	ug/l	97
39) Methylcyclohexane	9.594	83	83807	18.152	ug/l	93
40) Benzene	8.606	78	244180	17.546	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086769.D
Acq On : 23 May 2025 11:16
Operator : JC\MD
Sample : VN0523WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 24 02:30:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/27/2025
Supervised By :Mahesh Dadoda 05/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	35959	15.455	ug/l		92
42) 1,2-Dichloroethane	8.665	62	70744	16.317	ug/l		95
43) Isopropyl Acetate	8.682	43	118884	13.762	ug/l		96
44) Trichloroethene	9.347	130	63461	18.907	ug/l		97
45) 1,2-Dichloropropane	9.618	63	55934	16.920	ug/l		97
46) Dibromomethane	9.706	93	39549	17.729	ug/l		97
47) Bromodichloromethane	9.882	83	80381	17.489	ug/l		97
48) Methyl methacrylate	9.676	41	53844	16.085	ug/l		95
49) 1,4-Dioxane	9.694	88	24829	350.284	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.441	43	344618	79.106	ug/l		97
52) Toluene	10.629	92	157119	18.166	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	87821	18.047	ug/l		99
54) cis-1,3-Dichloropropene	10.306	75	95950	18.062	ug/l		94
55) 1,1,2-Trichloroethane	11.012	97	56225	17.426	ug/l		96
56) Ethyl methacrylate	10.871	69	91124	17.590	ug/l		95
57) 1,3-Dichloropropane	11.159	76	96891	17.432	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	210145	90.766	ug/l		97
59) 2-Hexanone	11.194	43	251990	79.210	ug/l		96
60) Dibromochloromethane	11.353	129	64122	18.964	ug/l		98
61) 1,2-Dibromoethane	11.465	107	58416	18.017	ug/l		98
64) Tetrachloroethene	11.100	164	65190	19.919	ug/l		96
65) Chlorobenzene	11.888	112	175590	18.743	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	57313	18.951	ug/l		99
67) Ethyl Benzene	11.959	91	294415	18.348	ug/l		100
68) m/p-Xylenes	12.070	106	236847	38.969	ug/l		96
69) o-Xylene	12.394	106	115291	19.080	ug/l		99
70) Styrene	12.406	104	189599	19.166	ug/l		99
71) Bromoform	12.576	173	42434	19.729	ug/l	#	99
73) Isopropylbenzene	12.688	105	277084	18.487	ug/l		100
74) N-amyl acetate	12.488	43	96845	15.465	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	77012	16.725	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	80650m	18.376	ug/l		
77) Bromobenzene	12.976	156	69659	18.476	ug/l		93
78) n-propylbenzene	13.029	91	313772	18.242	ug/l		98
79) 2-Chlorotoluene	13.123	91	203252	18.174	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	224023	18.656	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.729	75	29947	17.220	ug/l		93
82) 4-Chlorotoluene	13.217	91	199015	17.962	ug/l		99
83) tert-Butylbenzene	13.435	119	197457	18.856	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	224607	18.783	ug/l		100
85) sec-Butylbenzene	13.612	105	265095	18.879	ug/l		99
86) p-Isopropyltoluene	13.723	119	223275	19.399	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	120894	18.518	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	120134	18.572	ug/l		100
89) n-Butylbenzene	14.053	91	176871	18.537	ug/l		100
90) Hexachloroethane	14.329	117	35201	18.433	ug/l		92
91) 1,2-Dichlorobenzene	14.100	146	113308	18.247	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12409	16.268	ug/l		93
93) 1,2,4-Trichlorobenzene	15.388	180	49299	18.808	ug/l		99
94) Hexachlorobutadiene	15.494	225	21012	19.321	ug/l		99
95) Naphthalene	15.635	128	163698	17.987	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	46920	18.279	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086769.D
Acq On : 23 May 2025 11:16
Operator : JC\MD
Sample : VN0523WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 24 02:30:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/27/2025
Supervised By :Mahesh Dadoda 05/27/2025

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

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

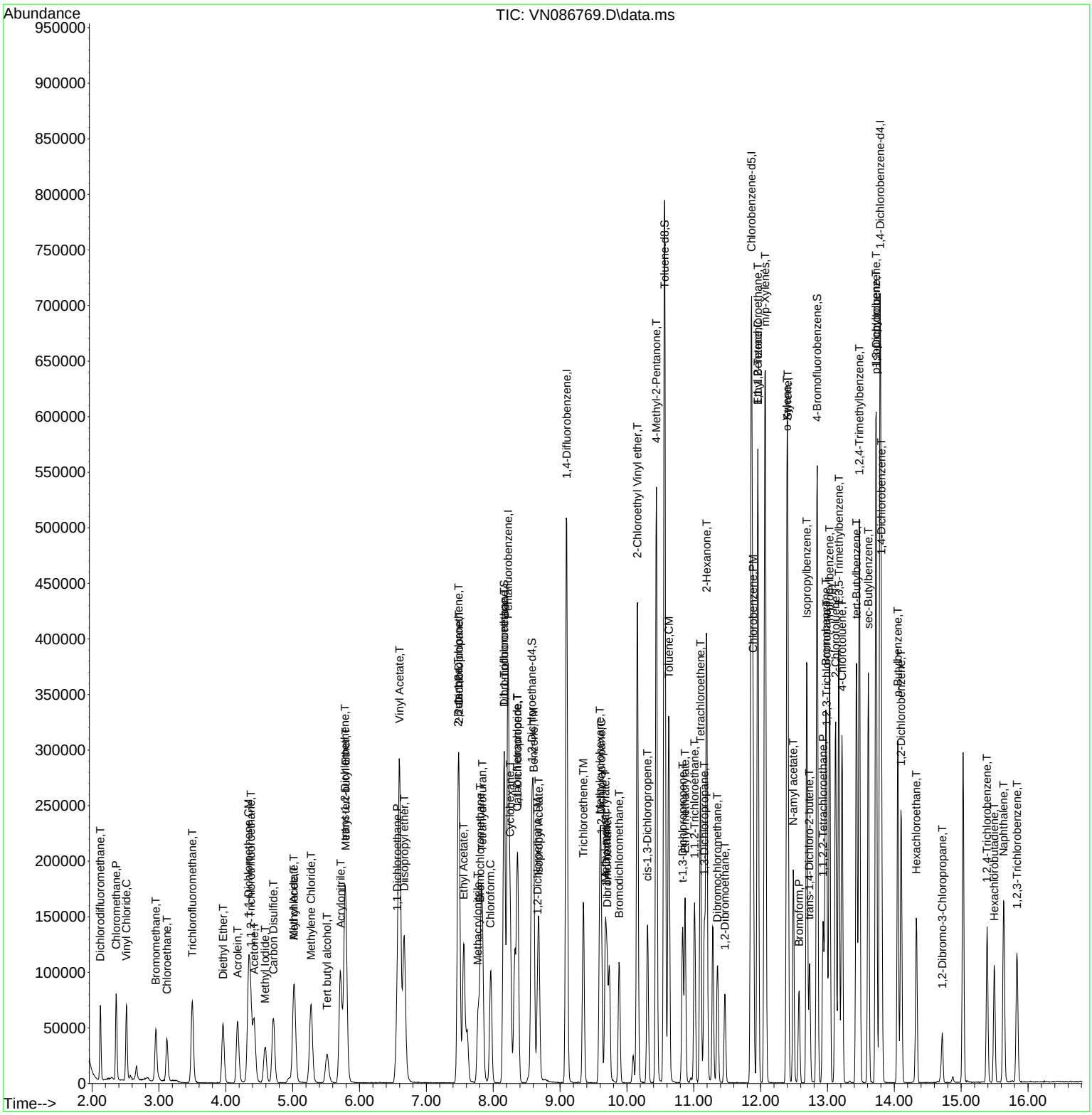
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086769.D
Acq On : 23 May 2025 11:16
Operator : JC\MD
Sample : VN0523WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 24 02:30:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/27/2025
Supervised By :Mahesh Dadoda 05/27/2025



Raw Data: **VN086770.D**

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

Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	
Project:	AEC-2025-0013- 14 Fisher Lane, White Plains Bus Co	Date Received:	
Client Sample ID:	VN0523WBSD01	SDG No.:	Q2116
Lab Sample ID:	VN0523WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086770.D	1		05/23/25 11:50	VN052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	18.8		0.15	1.00	ug/L
108-88-3	Toluene	19.2		0.14	1.00	ug/L
100-41-4	Ethyl Benzene	19.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.3		0.24	2.00	ug/L
95-47-6	o-Xylene	19.7		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.8		74 - 125	90%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	48.9		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	238000	8.224			
540-36-3	1,4-Difluorobenzene	418000	9.094			
3114-55-4	Chlorobenzene-d5	365000	11.859			
3855-82-1	1,4-Dichlorobenzene-d4	171000	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\VN052325\
Data File : VN086770.D
Acq On : 23 May 2025 11:50
Operator : JC\MD
Sample : VN0523WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 02:31:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/27/2025
Supervised By :Mahesh Dadoda 05/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	237879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	417988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	365055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	171389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	147158	44.769	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 89.540%			
35) Dibromofluoromethane	8.159	113	124938	50.190	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.380%			
50) Toluene-d8	10.565	98	504608	48.916	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.840%			
62) 4-Bromofluorobenzene	12.847	95	178744	49.073	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	48023	18.694	ug/l	98
3) Chloromethane	2.360	50	62996	16.213	ug/l	97
4) Vinyl Chloride	2.518	62	57662	16.524	ug/l	99
5) Bromomethane	2.960	94	34864	17.331	ug/l	98
6) Chloroethane	3.118	64	37992	16.620	ug/l	97
7) Trichlorofluoromethane	3.501	101	76004	18.225	ug/l	98
8) Diethyl Ether	3.959	74	33853	19.650	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	47727	19.117	ug/l	95
10) Methyl Iodide	4.589	142	55614	17.908	ug/l	97
11) Tert butyl alcohol	5.518	59	49011	81.869	ug/l	100
12) 1,1-Dichloroethene	4.342	96	47974	18.081	ug/l	95
13) Acrolein	4.177	56	71861	112.287	ug/l	98
14) Allyl chloride	5.018	41	65780	16.380	ug/l	93
15) Acrylonitrile	5.712	53	130184	87.828	ug/l	99
16) Acetone	4.424	43	93182	75.784	ug/l	95
17) Carbon Disulfide	4.712	76	126318	17.196	ug/l	98
18) Methyl Acetate	5.018	43	55664	16.175	ug/l	95
19) Methyl tert-butyl Ether	5.795	73	172926	19.141	ug/l	97
20) Methylene Chloride	5.271	84	57012	17.571	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	52669	18.775	ug/l	97
22) Diisopropyl ether	6.665	45	161153	17.787	ug/l	97
23) Vinyl Acetate	6.600	43	577773	84.851	ug/l	97
24) 1,1-Dichloroethane	6.565	63	93443	17.567	ug/l	97
25) 2-Butanone	7.477	43	155855	82.027	ug/l	96
26) 2,2-Dichloropropane	7.483	77	80609	18.363	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	64974	18.870	ug/l	95
28) Bromochloromethane	7.806	49	48128	19.914	ug/l	85
29) Tetrahydrofuran	7.836	42	105108	84.752	ug/l	96
30) Chloroform	7.965	83	96074	18.045	ug/l	97
31) Cyclohexane	8.253	56	81967	16.615	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	80886	18.019	ug/l	99
36) 1,1-Dichloropropene	8.371	75	68829	18.745	ug/l	98
37) Ethyl Acetate	7.553	43	62901	16.959	ug/l	99
38) Carbon Tetrachloride	8.359	117	68718	18.994	ug/l	100
39) Methylcyclohexane	9.600	83	76222	19.180	ug/l	96
40) Benzene	8.600	78	224807	18.768	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086770.D
Acq On : 23 May 2025 11:50
Operator : JC\MD
Sample : VN0523WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 02:31:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/27/2025
Supervised By :Mahesh Dadoda 05/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	34371	17.163	ug/l		96
42) 1,2-Dichloroethane	8.665	62	67530	18.096	ug/l		97
43) Isopropyl Acetate	8.683	43	115914	15.589	ug/l		96
44) Trichloroethene	9.347	130	58616	20.289	ug/l		92
45) 1,2-Dichloropropane	9.618	63	54242	19.063	ug/l		98
46) Dibromomethane	9.706	93	36663	19.095	ug/l		96
47) Bromodichloromethane	9.883	83	76183	19.257	ug/l		100
48) Methyl methacrylate	9.677	41	49817	17.290	ug/l		94
49) 1,4-Dioxane	9.689	88	22134	362.791	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.441	43	318153	84.848	ug/l		95
52) Toluene	10.624	92	142562	19.150	ug/l		99
53) t-1,3-Dichloropropene	10.830	75	82366	19.665	ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	90002	19.684	ug/l		94
55) 1,1,2-Trichloroethane	11.012	97	53332	19.204	ug/l		96
56) Ethyl methacrylate	10.871	69	85095	19.084	ug/l		94
57) 1,3-Dichloropropane	11.159	76	91120	19.046	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	192985	96.841	ug/l		97
59) 2-Hexanone	11.194	43	232005	84.728	ug/l		96
60) Dibromochloromethane	11.353	129	59240	20.355	ug/l		97
61) 1,2-Dibromoethane	11.465	107	54124	19.395	ug/l		99
64) Tetrachloroethene	11.100	164	60036	21.468	ug/l		98
65) Chlorobenzene	11.888	112	156701	19.575	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	53053	20.530	ug/l		98
67) Ethyl Benzene	11.959	91	261725	19.088	ug/l		96
68) m/p-Xylenes	12.071	106	209295	40.301	ug/l		96
69) o-Xylene	12.394	106	101857	19.728	ug/l		100
70) Styrene	12.406	104	170464	20.166	ug/l		98
71) Bromoform	12.577	173	37839	20.589	ug/l	#	96
73) Isopropylbenzene	12.694	105	238982	18.054	ug/l		99
74) N-amyl acetate	12.488	43	87953	15.903	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	69445	17.077	ug/l		98
76) 1,2,3-Trichloropropane	12.988	75	73771m	19.032	ug/l		
77) Bromobenzene	12.977	156	62722	18.837	ug/l		91
78) n-propylbenzene	13.029	91	271639	17.882	ug/l		99
79) 2-Chlorotoluene	13.124	91	176093	17.828	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	197345	18.608	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	28356	18.462	ug/l		90
82) 4-Chlorotoluene	13.218	91	177589	18.148	ug/l		99
83) tert-Butylbenzene	13.435	119	169350	18.311	ug/l		99
84) 1,2,4-Trimethylbenzene	13.477	105	201301	19.061	ug/l		99
85) sec-Butylbenzene	13.612	105	233970	18.867	ug/l		99
86) p-Isopropyltoluene	13.724	119	198072	19.486	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	111537	19.344	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	112252	19.649	ug/l		100
89) n-Butylbenzene	14.053	91	162006	19.225	ug/l		99
90) Hexachloroethane	14.329	117	30205	17.909	ug/l		92
91) 1,2-Dichlorobenzene	14.100	146	107977	19.688	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	12085	17.939	ug/l		92
93) 1,2,4-Trichlorobenzene	15.388	180	50938	22.004	ug/l		99
94) Hexachlorobutadiene	15.494	225	21422	22.304	ug/l		96
95) Naphthalene	15.635	128	169184	21.048	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	47835	21.100	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086770.D
Acq On : 23 May 2025 11:50
Operator : JC\MD
Sample : VN0523WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 02:31:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/27/2025
Supervised By :Mahesh Dadoda 05/27/2025

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

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

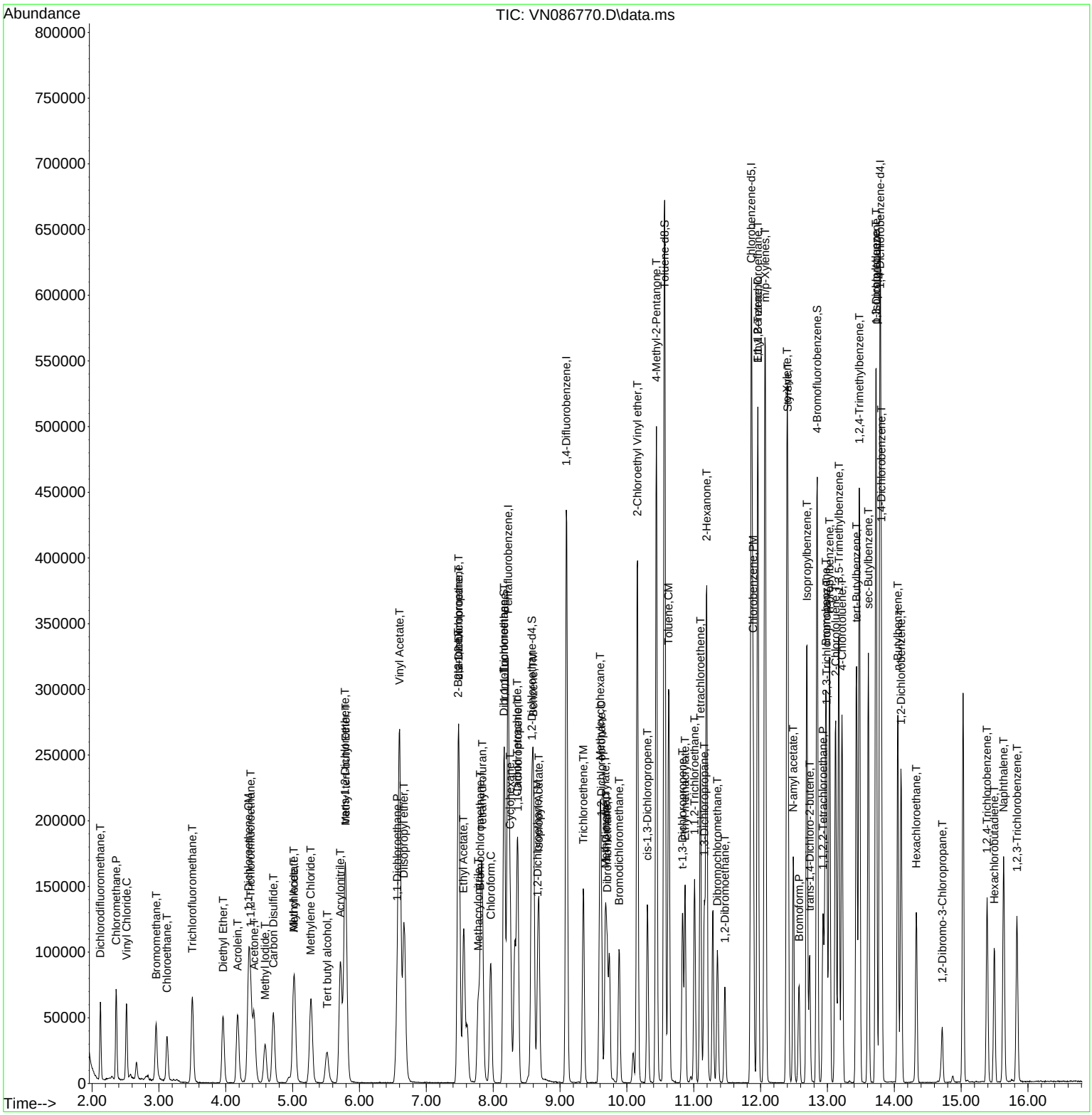
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052325\
Data File : VN086770.D
Acq On : 23 May 2025 11:50
Operator : JC\MD
Sample : VN0523WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 24 02:31:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0523WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/27/2025
Supervised By :Mahesh Dadoda 05/27/2025



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

Manual Integration Report

Sequence:	vn051625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN086661.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:32:47 AM	MMDadoda	5/19/2025 2:39:59 PM	Peak Integrated by Software
VSTDCCC020	VN086667.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:01 AM	MMDadoda	5/19/2025 2:40:37 PM	Peak Integrated by Software
VSTDICC001	VN086669.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:07 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICC001	VN086669.D	1,4-Dichlorobenzene	JOHN	5/19/2025 9:33:07 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICC001	VN086669.D	Isopropyl Acetate	JOHN	5/19/2025 9:33:07 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICC005	VN086670.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:13 AM	MMDadoda	5/19/2025 2:40:36 PM	Peak Integrated by Software
VSTDICC005	VN086670.D	Ethyl Acetate	JOHN	5/19/2025 9:33:13 AM	MMDadoda	5/19/2025 2:40:36 PM	Peak Integrated by Software
VSTDICC005	VN086670.D	Vinyl Acetate	JOHN	5/19/2025 9:33:13 AM	MMDadoda	5/19/2025 2:40:36 PM	Peak Integrated by Software
VSTDICC010	VN086671.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:17 AM	MMDadoda	5/19/2025 2:40:45 PM	Peak Integrated by Software
VSTDICC010	VN086671.D	Vinyl Acetate	JOHN	5/19/2025 9:33:17 AM	MMDadoda	5/19/2025 2:40:45 PM	Peak Integrated by Software
VSTDICC020	VN086672.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:24 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICCC050	VN086673.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:44 AM	MMDadoda	5/19/2025 2:40:38 PM	Peak Integrated by Software
VSTDICC100	VN086674.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:48 AM	MMDadoda	5/19/2025 2:40:42 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn051625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VN086676.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:53 AM	MMDadoda	5/19/2025 2:40:47 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn052325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086766.D	1,2,3-Trichloropropane	JOHN	5/27/2025 9:35:05 AM	MMDadoda	5/27/2025 10:39:57 AM	Peak Integrated by Software
VN0523WBS01	VN086769.D	1,2,3-Trichloropropane	JOHN	5/27/2025 9:35:10 AM	MMDadoda	5/27/2025 10:40:00 AM	Peak Integrated by Software
VN0523WBSD01	VN086770.D	1,2,3-Trichloropropane	JOHN	5/27/2025 9:35:14 AM	MMDadoda	5/27/2025 10:40:04 AM	Peak Integrated by Software
VSTDCCC050	VN086774.D	1,2,3-Trichloropropane	JOHN	5/27/2025 9:35:18 AM	MMDadoda	5/27/2025 10:40:08 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 # VN051625

Review By	John Carlone	Review On	5/19/2025 9:34:08 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:40:58 PM		
SubDirectory	VN051625	HP Acquire Method		HP Processing Method	624N042325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133946,VP133952
Initial Calibration Stds	
CCC	VP133947,VP133948
Internal Standard/PEM	
ICV/I.BLK	VP133981
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086660.D	16 May 2025 09:17	JC\MD	Ok
2	VSTDCCC020	VN086661.D	16 May 2025 11:37	JC\MD	Ok,M
3	VN0516WBS01	VN086662.D	16 May 2025 12:13	JC\MD	Ok,M
4	VN0516WBSD01	VN086663.D	16 May 2025 12:46	JC\MD	Ok,M
5	VN0516WBL01	VN086664.D	16 May 2025 13:20	JC\MD	Ok
6	Q2006-01	VN086665.D	16 May 2025 13:54	JC\MD	Ok
7	IBLK	VN086666.D	16 May 2025 14:46	JC\MD	Ok
8	VSTDCCC020	VN086667.D	16 May 2025 15:09	JC\MD	Ok,M
9	BFB	VN086668.D	16 May 2025 15:33	JC\MD	Ok
10	VSTDICC001	VN086669.D	16 May 2025 16:31	JC\MD	Ok,M
11	VSTDICC005	VN086670.D	16 May 2025 16:55	JC\MD	Ok,M
12	VSTDICC010	VN086671.D	16 May 2025 17:19	JC\MD	Ok,M
13	VSTDICC020	VN086672.D	16 May 2025 17:43	JC\MD	Ok,M
14	VSTDICCC050	VN086673.D	16 May 2025 18:08	JC\MD	Ok,M
15	VSTDICC100	VN086674.D	16 May 2025 18:32	JC\MD	Ok,M
16	IBLK	VN086675.D	16 May 2025 18:56	JC\MD	Ok
17	VSTDICV050	VN086676.D	16 May 2025 19:20	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 # VN052325

Review By	John Carlone	Review On	5/27/2025 9:36:05 AM		
Supervise By		Supervise On			
SubDirectory	VN052325	HP Acquire Method		HP Processing Method	82N051625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134011
Initial Calibration Stds	
CCC	VP134012,VP134013
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086765.D	23 May 2025 08:37	JC\MD	Ok
2	VSTDCCC050	VN086766.D	23 May 2025 09:53	JC\MD	Ok,M
3	VN0523MBL01	VN086767.D	23 May 2025 10:28	JC\MD	Ok
4	VN0523WBL01	VN086768.D	23 May 2025 10:52	JC\MD	Ok
5	VN0523WBS01	VN086769.D	23 May 2025 11:16	JC\MD	Ok,M
6	VN0523WBSD01	VN086770.D	23 May 2025 11:50	JC\MD	Ok,M
7	Q2115-01	VN086771.D	23 May 2025 12:16	JC\MD	Ok
8	Q2116-01	VN086772.D	23 May 2025 12:40	JC\MD	Ok
9	IBLK	VN086773.D	23 May 2025 13:05	JC\MD	Ok
10	VSTDCCC050	VN086774.D	23 May 2025 15:45	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 # VN051625

Review By	John Carlone	Review On	5/19/2025 9:34:08 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:40:58 PM		
SubDirectory	VN051625	HP Acquire Method		HP Processing Method	624N042325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133946,VP133952
Initial Calibration Stds	
CCC	VP133947,VP133948
Internal Standard/PEM	
ICV/I.BLK	VP133981
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086660.D	16 May 2025 09:17		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN086661.D	16 May 2025 11:37	pH#Lot#V12668	JC\MD	Ok,M
3	VN0516WBS01	VN0516WBS01	VN086662.D	16 May 2025 12:13		JC\MD	Ok,M
4	VN0516WBSD01	VN0516WBSD01	VN086663.D	16 May 2025 12:46		JC\MD	Ok,M
5	VN0516WBL01	VN0516WBL01	VN086664.D	16 May 2025 13:20		JC\MD	Ok
6	Q2006-01	EFF-WW	VN086665.D	16 May 2025 13:54	vial A pH<2	JC\MD	Ok
7	IBLK	IBLK	VN086666.D	16 May 2025 14:46		JC\MD	Ok
8	VSTDCCC020	VSTDCCC020EC	VN086667.D	16 May 2025 15:09		JC\MD	Ok,M
9	BFB	BFB	VN086668.D	16 May 2025 15:33		JC\MD	Ok
10	VSTDICC001	VSTDICC001	VN086669.D	16 May 2025 16:31		JC\MD	Ok,M
11	VSTDICC005	VSTDICC005	VN086670.D	16 May 2025 16:55		JC\MD	Ok,M
12	VSTDICC010	VSTDICC010	VN086671.D	16 May 2025 17:19		JC\MD	Ok,M
13	VSTDICC020	VSTDICC020	VN086672.D	16 May 2025 17:43		JC\MD	Ok,M
14	VSTDICCC050	VSTDICCC050	VN086673.D	16 May 2025 18:08		JC\MD	Ok,M
15	VSTDICC100	VSTDICC100	VN086674.D	16 May 2025 18:32		JC\MD	Ok,M
16	IBLK	IBLK	VN086675.D	16 May 2025 18:56		JC\MD	Ok
17	VSTDICV050	ICVVN051625	VN086676.D	16 May 2025 19:20		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 # VN052325

Review By	John Carlone	Review On	5/27/2025 9:36:05 AM		
Supervise By		Supervise On			
SubDirectory	VN052325	HP Acquire Method		HP Processing Method	82N051625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134011
Initial Calibration Stds	
CCC	VP134012,VP134013
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	VN086765.D	23 May 2025 08:37		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086766.D	23 May 2025 09:53	pH#Lot#V12668	JC\MD	Ok,M
3	VN0523MBL01	VN0523MBL01	VN086767.D	23 May 2025 10:28		JC\MD	Ok
4	VN0523WBL01	VN0523WBL01	VN086768.D	23 May 2025 10:52		JC\MD	Ok
5	VN0523WBS01	VN0523WBS01	VN086769.D	23 May 2025 11:16		JC\MD	Ok,M
6	VN0523WBSD01	VN0523WBSD01	VN086770.D	23 May 2025 11:50		JC\MD	Ok,M
7	Q2115-01	OUTFALL-1	VN086771.D	23 May 2025 12:16	vial A pH<2	JC\MD	Ok
8	Q2116-01	OUTFALL-2	VN086772.D	23 May 2025 12:40	vial A pH<2	JC\MD	Ok
9	IBLK	IBLK	VN086773.D	23 May 2025 13:05		JC\MD	Ok
10	VSTDCCC050	VSTDCCC050EC	VN086774.D	23 May 2025 15:45		JC\MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

Rogers & Callcott

ENGINEERING | ENVIRONMENTAL | LABORATORY

CHAIN OF CUSTODY RECORD

WORK ORDER Q2116

Mailing Address: PO Box 5655, Greenville, SC 29606, Phone (864) 232-1556

Shipping Address: 426 Fairforest Way, Greenville, SC 29607, Fax (864) 233-9058

215 Stoneridge Drive, Columbia, SC 29210, Phone (803) 509-8999

Client Name: White Plains Bus Co

Address: CSC 7037, 14 Fisher Lane, White Plains, NY

Report To: daniel.maalouf@alliancetg.com

Email Address:

Telephone #: 864-704-7984

PO #: Project # AEC-2025-0013

R&C WORK ORDER	YR25 DATE	TIME	SAMPLE DESCRIPTION	Total Number of Containers	Parameter(s) →				Filtered (Yes/No)	Cooled (Yes/No)	Container Type (Plastic/Glass)	Container Volume (mL)	Sample Type (Grab/Composite)	Sample Source (WW, GW, DW, SFW, STW, S, Other)
					O&G	COD	BTEX *		N	Y	G	100	G	SW
									N	Y	P	250	G	SW
									N	Y	G	40	G	SW
	5/21	1310	Outfall 2	5	1	1	3		N	Y	G	100	G	SW
									N	Y	G	40	C	E

Preservation Code(s)

A – None, B – HNO_3, C – H_2SO_4, D – NaOH, E – HCl, F – $Na_2S_2O_3$, G – Boric Acid, H – Ascorbic Acid, I – Zn Acetate, J – H_3PO_4, K - MCAA, L – NaH2PO4, M –, N –

COMMENTS

Shipping samples via FedEx

* 1 unpreserved vial

SAMPLER – RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	5/21/25 1541	2.	
RELINQUISHED BY: 3. FedEx	DATE/TIME: 5/22/25	RECEIVED BY: 4.	DATE/TIME: 5/22/25 1410
RELINQUISHED BY: 5.	DATE/TIME:	RECEIVED BY: 6.	DATE/TIME:
RELINQUISHED BY: 7.	DATE/TIME:	RECEIVED BY: 8.	DATE/TIME:

Composite Start Date/Time:

Flow reading at Start:

Composite End Date/Time:

Flow reading at End:

Time or Flow (Circle one) Initials:

Temperature of blank or representative sample

At time of collection °C

At time of lab receipt 3.7° °C

Possible Hazards associated with samples: ○ Non-Hazard ○ Flammable ○ Skin Irritant ○ Poison ○ Unknown ○ Other

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2116 ATGG01
Client Name : ATG GREENVILLE ~~LAB~~ AEC
Client Contact : Daniel Maalouf
Invoice Name : ATG GREENVILLE ~~LAB~~ AEC
Invoice Contact : Daniel Maalouf

Order Date : 5/22/2025 2:34:02 PM
Project Name : AEC-2025-0013- 14 Fisher
Receive DateTime : 5/22/2025 2:10:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2116-01	OUTFALL-2	Water	05/21/2025	13:10					
					VOC-BTEX		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 5/22/25 14:45

Received By :
Date / Time : 05/22/25 14:45

Storage Area : **VOA Refridgerator Room**