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

Cover Page

Order ID : Q2409

Project ID : Millville Sewage Treatment Plant - Field Sampling

Client : Coppola Services

Lab Sample Number	Client Sample Number
Q2409-01	COP-SOIL-PILE
Q2409-02	COP-SOIL-PILE

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

Signature : _____

Date: 7/1/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2409**

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

QA Review Signature: **PRADIP PRAJAPATI** **Date:** **07/01/2025**

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LAB CHRONICLE

OrderID:	Q2409	**OrderDate:**	6/24/2025 2:11:50 PM
Client:	Coppola Services	**Project:**	Millville Sewage Treatment Plant - Field Sampling
Contact:	Jeffrey Simpkins	**Location:**	D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2409-01	**COP-SOIL-PILE**	**TCLP**			**06/24/25**			**06/24/25**
			TCLP VOA	8260D			06/26/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2409

Client: Coppola Services

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:								
				0				

Total Voc :

Total Concentration:

QC SUMMARY

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

SDG No.: Q2409

Client: Coppola Services

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2409-01	COP-SOIL-PILE	1,2-Dichloroethane-d4	50	58.5	117	70 (74)	130 (125)
		Dibromofluoromethane	50	51.1	102	70 (75)	130 (124)
		Toluene-d8	50	51.7	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.4	95	70 (77)	130 (121)
VN0626WBL01	VN0626WBL01	1,2-Dichloroethane-d4	50	56.6	113	70 (74)	130 (125)
		Dibromofluoromethane	50	57.1	114	70 (75)	130 (124)
		Toluene-d8	50	55.7	111	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101	70 (77)	130 (121)
VN0626WBS01	VN0626WBS01	1,2-Dichloroethane-d4	50	57.9	116	70 (74)	130 (125)
		Dibromofluoromethane	50	60.7	121	70 (75)	130 (124)
		Toluene-d8	50	55.5	111	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.4	109	70 (77)	130 (121)
VN0626WBSD0	VN0626WBSD01	1,2-Dichloroethane-d4	50	48.7	97	70 (74)	130 (125)
		Dibromofluoromethane	50	48.4	97	70 (75)	130 (124)
		Toluene-d8	50	44.7	89	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.2	90	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2409

Client: Coppola Services

Analytical Method: SW8260D **Datafile :** VN087184.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0626WBS01	Vinyl chloride	20	16.8	ug/L	84			70 (65)	130 (117)	
	1,1-Dichloroethene	20	19.7	ug/L	99			70 (74)	130 (110)	
	2-Butanone	100	98.3	ug/L	98			40 (65)	160 (122)	
	Carbon Tetrachloride	20	21.5	ug/L	108			70 (77)	130 (113)	
	Chloroform	20	21.2	ug/L	106			70 (79)	130 (113)	
	Benzene	20	21.3	ug/L	106			70 (82)	130 (109)	
	1,2-Dichloroethane	20	23.3	ug/L	117			70 (80)	130 (115)	
	Trichloroethene	20	20.4	ug/L	102			70 (77)	130 (113)	
	Tetrachloroethene	20	18.4	ug/L	92			70 (67)	130 (123)	
	Chlorobenzene	20	20.0	ug/L	100			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2409

Client: Coppola Services

Analytical Method: SW8260D **Datafile :** VN087187.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0626WBSD01	Vinyl chloride	20	14.8	ug/L	74	13		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	15.4	ug/L	77	25	*	70 (74)	130 (110)	20 (20)
	2-Butanone	100	86.9	ug/L	87	12		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	18.0	ug/L	90	18		70 (77)	130 (113)	20 (15)
	Chloroform	20	18.1	ug/L	91	15		70 (79)	130 (113)	20 (20)
	Benzene	20	17.4	ug/L	87	20		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	18.8	ug/L	94	22	*	70 (80)	130 (115)	20 (20)
	Trichloroethene	20	17.0	ug/L	85	18		70 (77)	130 (113)	20 (15)
	Tetrachloroethene	20	15.9	ug/L	79	15		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	17.2	ug/L	86	15		70 (82)	130 (109)	20 (15)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0626WBL01

Lab Name: CHEMTECH Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

Lab File ID: VN087182.D Lab Sample ID: VN0626WBL01

Date Analyzed: 06/26/2025 Time Analyzed: 10:25

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
VN0626WBS01	VN0626WBS01	VN087184.D	06/26/2025
VN0626WBSD01	VN0626WBSD01	VN087187.D	06/26/2025
COP-SOIL-PILE	Q2409-01	VN087195.D	06/26/2025

COMMENTS:

Raw Data: **VN086861.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

Lab File ID: VN086861.D BFB Injection Date: 06/06/2025

Instrument ID: MSVOA_N BFB Injection Time: 07:59

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	17.3
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	65.3 (98.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 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	VN086862.D	06/06/2025	12:44
VSTDICC005	VSTDICC005	VN086863.D	06/06/2025	13:17
VSTDICC020	VSTDICC020	VN086864.D	06/06/2025	13:40
VSTDICCC050	VSTDICCC050	VN086865.D	06/06/2025	14:03
VSTDICC100	VSTDICC100	VN086866.D	06/06/2025	14:26
VSTDICC150	VSTDICC150	VN086867.D	06/06/2025	14:49

Raw Data: **VN087180.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

Lab File ID: VN087180.D BFB Injection Date: 06/26/2025

Instrument ID: MSVOA_N BFB Injection Time: 08:40

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	49.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	70.8
175	5.0 - 9.0% of mass 174	5.2 (7.3) 1
176	95.0 - 101.0% of mass 174	68.8 (97.1) 1
177	5.0 - 9.0% of mass 176	5.4 (7.8) 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	VN087181.D	06/26/2025	09:50
VN0626WBL01	VN0626WBL01	VN087182.D	06/26/2025	10:25
VN0626WBS01	VN0626WBS01	VN087184.D	06/26/2025	11:07
VN0626WBSD01	VN0626WBSD01	VN087187.D	06/26/2025	12:22
COP-SOIL-PILE	Q2409-01	VN087195.D	06/26/2025	15:10

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

Lab File ID: VN087181.D Date Analyzed: 06/26/2025

Instrument ID: MSVOA_N Time Analyzed: 09:50

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	154123	8.23	273928	9.11	249308	11.87
UPPER LIMIT	308246	8.73	547856	9.606	498616	12.365
LOWER LIMIT	77061.5	7.73	136964	8.606	124654	11.365
EPA SAMPLE NO.						
COP-SOIL-PILE	173086	8.23	351922	9.11	331140	11.87
VN0626WBL01	142520	8.23	275793	9.11	261782	11.87
VN0626WBS01	145034	8.23	252150	9.11	239853	11.87
VN0626WBSD01	160582	8.23	293263	9.11	264121	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

Lab File ID: VN087181.D Date Analyzed: 06/26/2025

Instrument ID: MSVOA_N Time Analyzed: 09:50

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

	IS4 AREA #	RT #				
12 HOUR STD	129095	13.788				
UPPER LIMIT	258190	14.288				
LOWER LIMIT	64547.5	13.288				
EPA SAMPLE NO.						
COP-SOIL-PILE	146598	13.79				
VN0626WBL01	117729	13.79				
VN0626WBS01	118483	13.79				
VN0626WBSD01	136333	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: **VN087195.D**

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

Report of Analysis

Client:	Coppola Services	Date Collected:	06/24/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/24/25
Client Sample ID:	COP-SOIL-PILE	SDG No.:	Q2409
Lab Sample ID:	Q2409-01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087195.D	1		06/26/25 15:10	VN062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.6		70 (74) - 130 (125)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.7		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	173000	8.23			
540-36-3	1,4-Difluorobenzene	352000	9.106			
3114-55-4	Chlorobenzene-d5	331000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	147000	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\VN062625\
Data File : VN087195.D
Acq On : 26 Jun 2025 15:10
Operator : JC\MD
Sample : Q2409-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
COP-SOIL-PILE

Quant Time: Jun 27 01:27:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

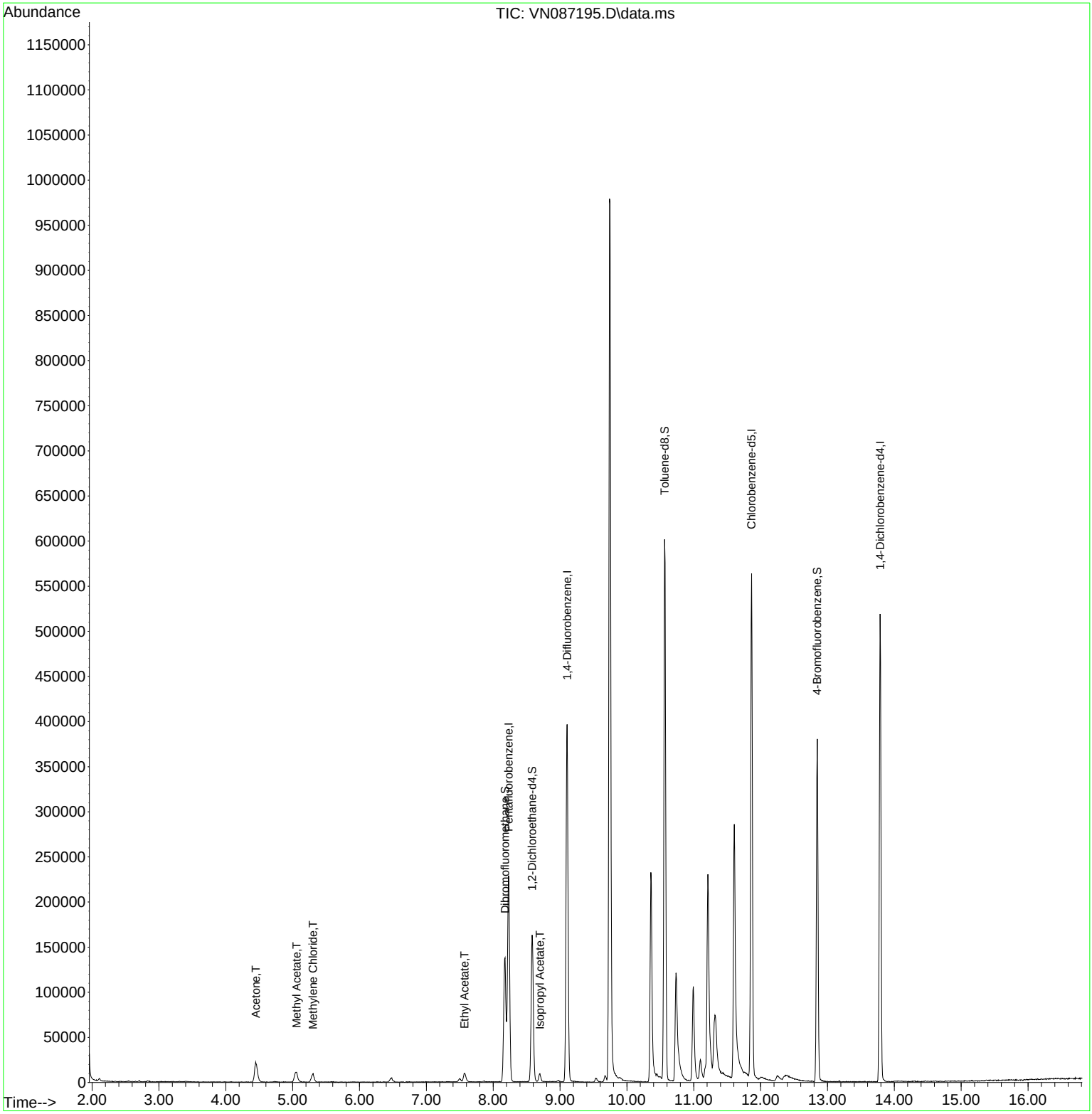
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	173086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	351922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	331140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	146598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	135687	58.551	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.100%			
35) Dibromofluoromethane	8.177	113	106571	51.099	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.200%			
50) Toluene-d8	10.565	98	426607	51.671	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.340%			
62) 4-Bromofluorobenzene	12.847	95	145391	47.398	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.800%			
Target Compounds						Qvalue
16) Acetone	4.447	43	44489	36.201	ug/l	95
18) Methyl Acetate	5.059	43	25685	7.172	ug/l	98
20) Methylene Chloride	5.306	84	7738	3.363	ug/l	91
37) Ethyl Acetate	7.571	43	16231	4.103	ug/l	98
43) Isopropyl Acetate	8.700	43	10475	1.650	ug/l #	92

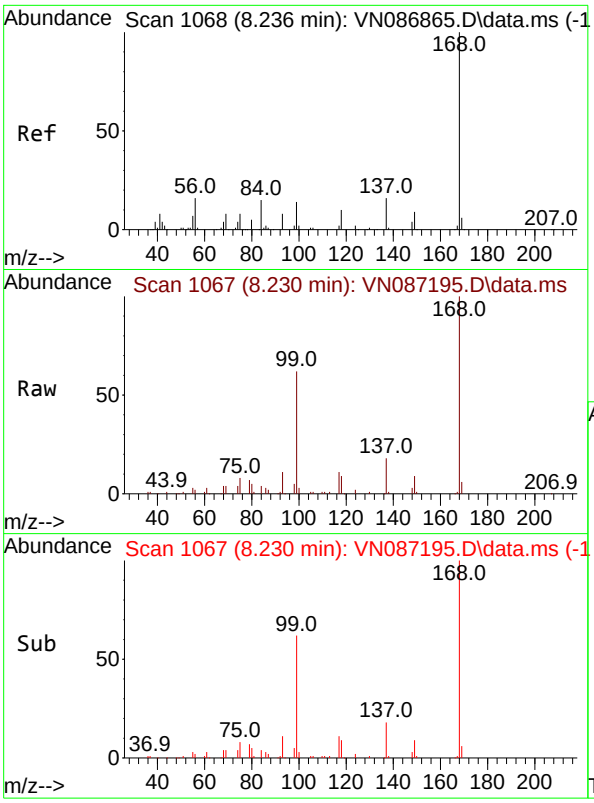
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087195.D
Acq On : 26 Jun 2025 15:10
Operator : JC\MD
Sample : Q2409-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
COP-SOIL-PILE

Quant Time: Jun 27 01:27:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



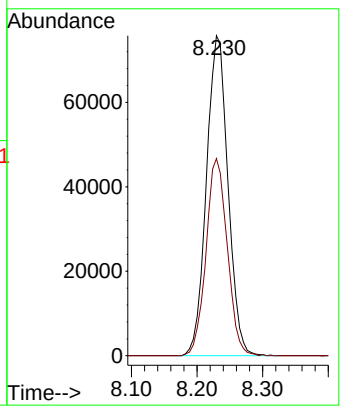


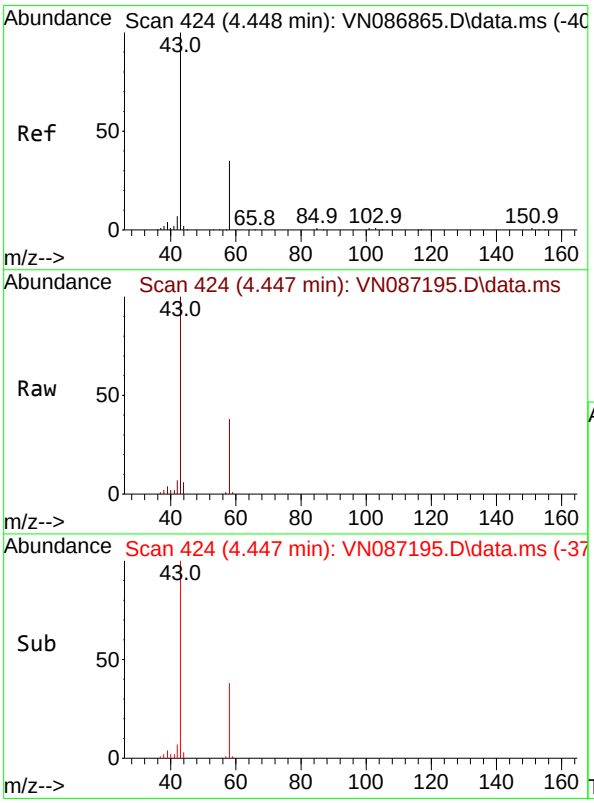
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

Instrument :
MSVOA_N
ClientSampleId :
COP-SOIL-PILE

Tgt Ion:168 Resp: 173086

Ion	Ratio	Lower	Upper
168	100		
99	61.6	49.1	73.7

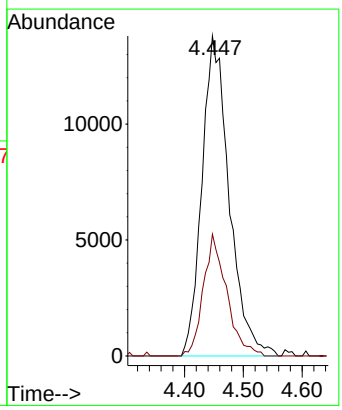


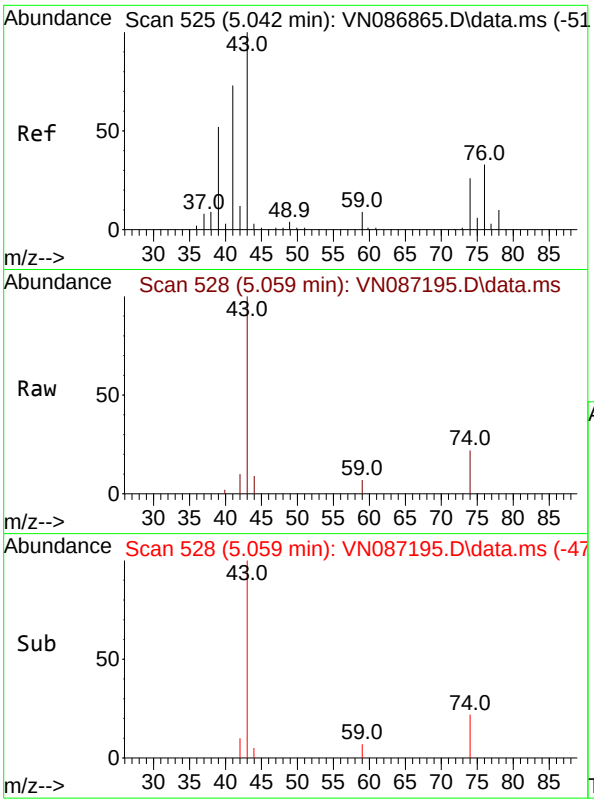


#16
Acetone
Concen: 36.201 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

Tgt Ion: 43 Resp: 44489

Ion	Ratio	Lower	Upper
43	100		
58	38.1	28.0	42.0



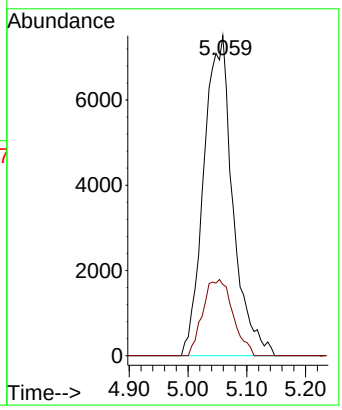


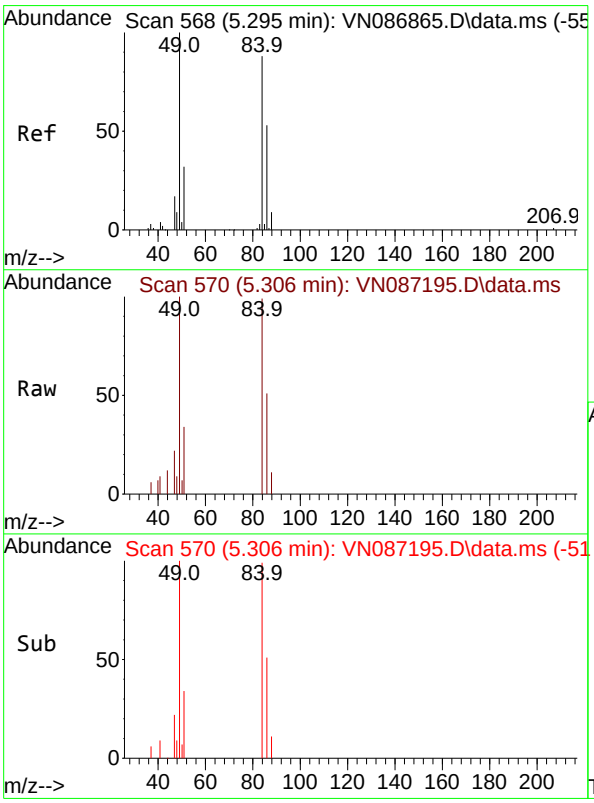
#18
Methyl Acetate
Concen: 7.172 ug/l
RT: 5.059 min Scan# 5
Delta R.T. 0.018 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

Instrument :
MSVOA_N
ClientSampleId :
COP-SOIL-PILE

Tgt Ion: 43 Resp: 25685

Ion	Ratio	Lower	Upper
43	100		
74	24.6	20.7	31.1

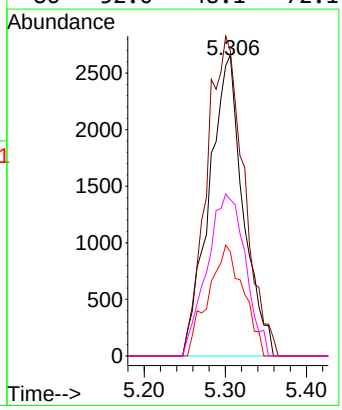


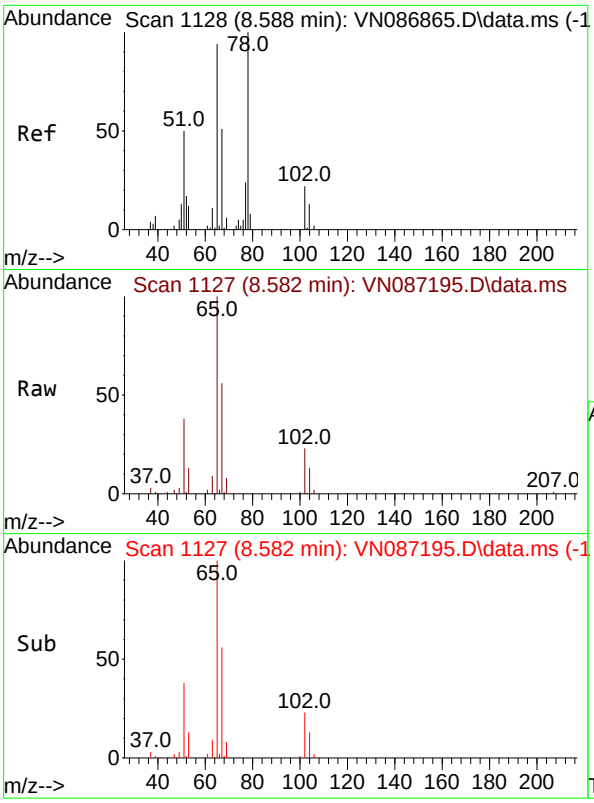


#20
Methylene Chloride
Concen: 3.363 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

Tgt Ion: 84 Resp: 7738

Ion	Ratio	Lower	Upper
84	100		
49	101.4	90.5	135.7
51	34.6	28.5	42.7
86	52.0	48.1	72.1



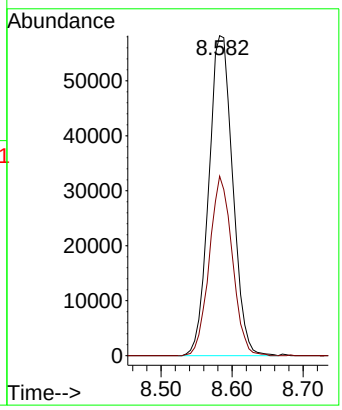


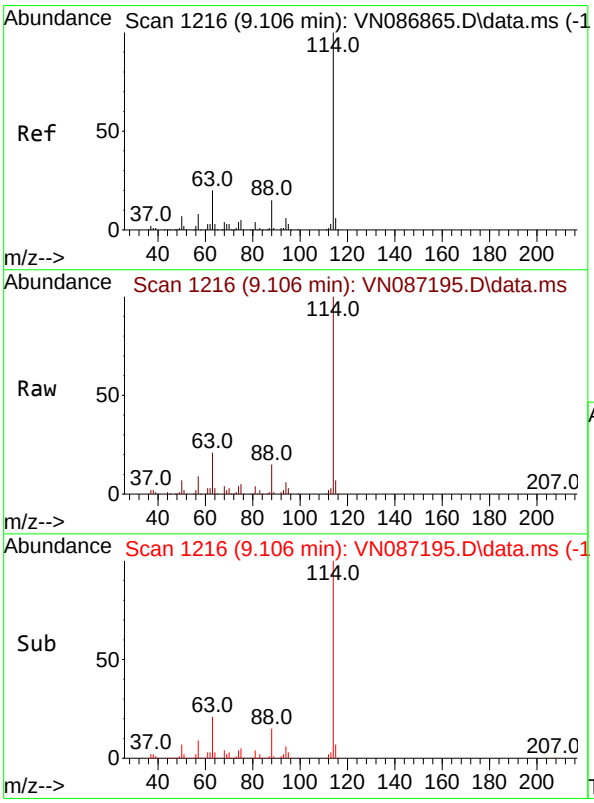
#33
1,2-Dichloroethane-d4
Concen: 58.551 ug/l
RT: 8.582 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

Instrument :
MSVOA_N
ClientSampleId :
COP-SOIL-PILE

Tgt Ion: 65 Resp: 135687

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	105.6

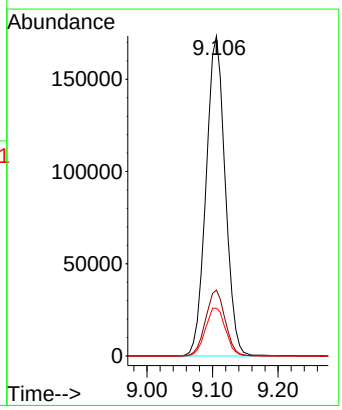


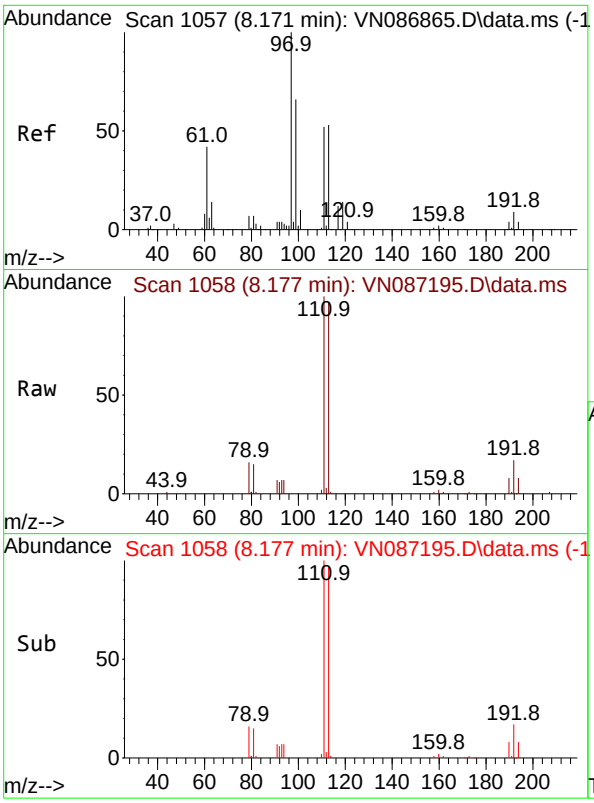


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

Tgt Ion:114 Resp: 351922

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.6
88	14.9	0.0	30.2



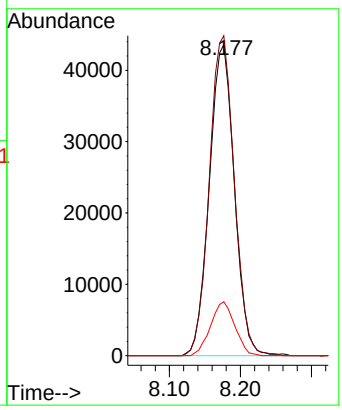


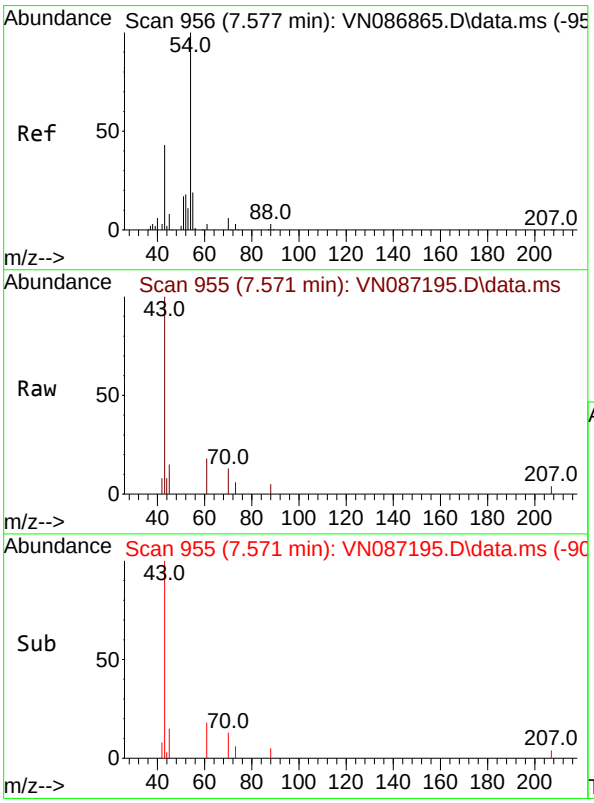
#35
Dibromofluoromethane
Concen: 51.099 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

Instrument :
MSVOA_N
ClientSampleId :
COP-SOIL-PILE

Tgt Ion:113 Resp: 106571

Ion	Ratio	Lower	Upper
113	100		
111	102.7	84.2	126.2
192	16.8	14.2	21.4

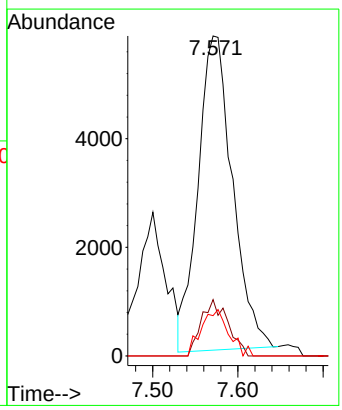


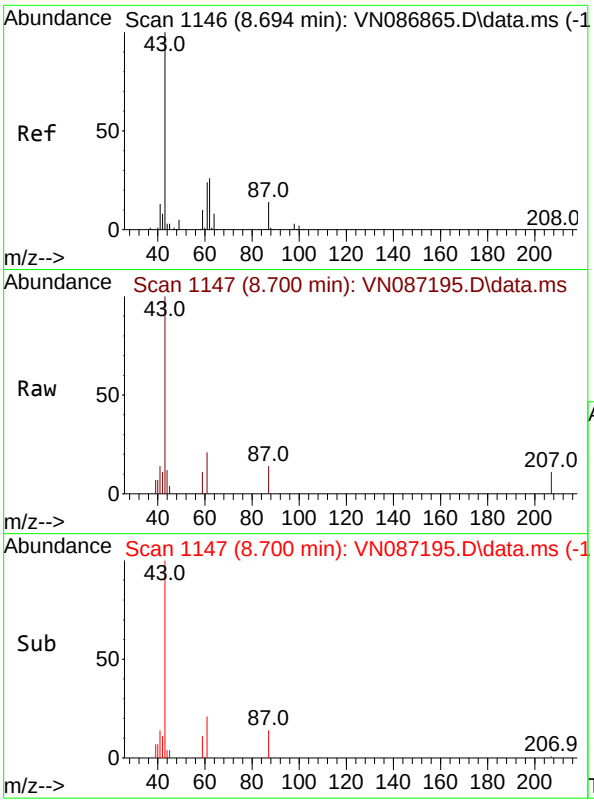


#37
Ethyl Acetate
Concen: 4.103 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.006 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

Tgt Ion: 43 Resp: 16231

Ion	Ratio	Lower	Upper
43	100		
61	13.9	12.1	18.1
70	11.8	9.8	14.6



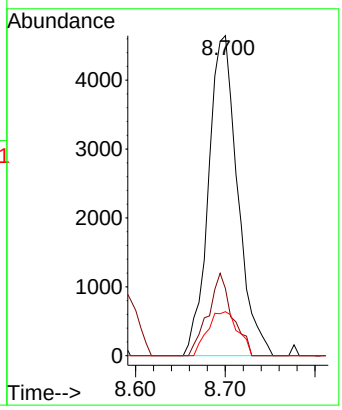


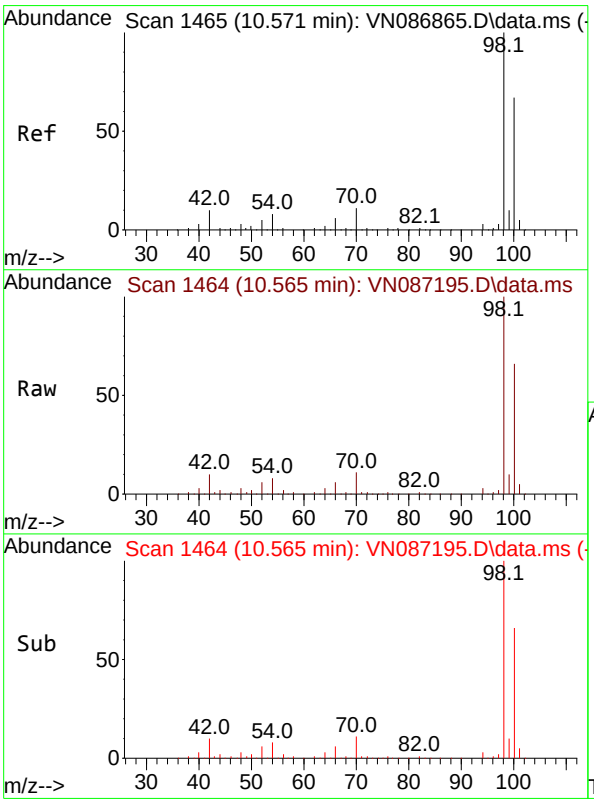
#43
Isopropyl Acetate
Concen: 1.650 ug/l
RT: 8.700 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

Instrument :
MSVOA_N
ClientSampleId :
COP-SOIL-PILE

Tgt Ion: 43 Resp: 10475

Ion	Ratio	Lower	Upper
43	100		
61	21.5	22.1	33.1#
87	14.3	11.8	17.6

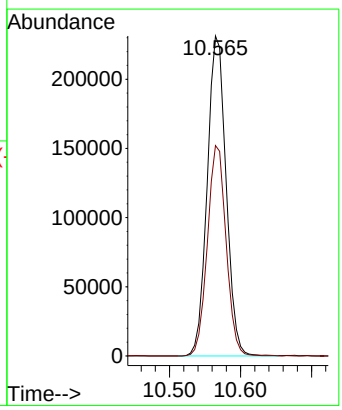


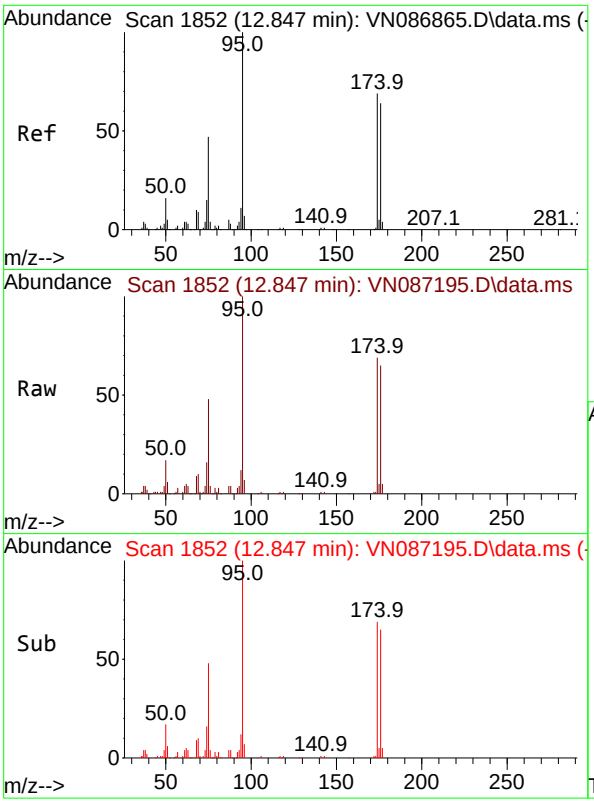


#50
Toluene-d8
Concen: 51.671 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

Tgt Ion: 98 Resp: 426607

Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.4	80.0



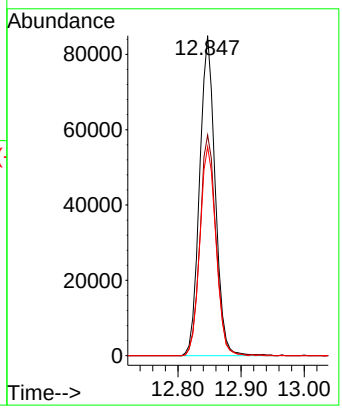


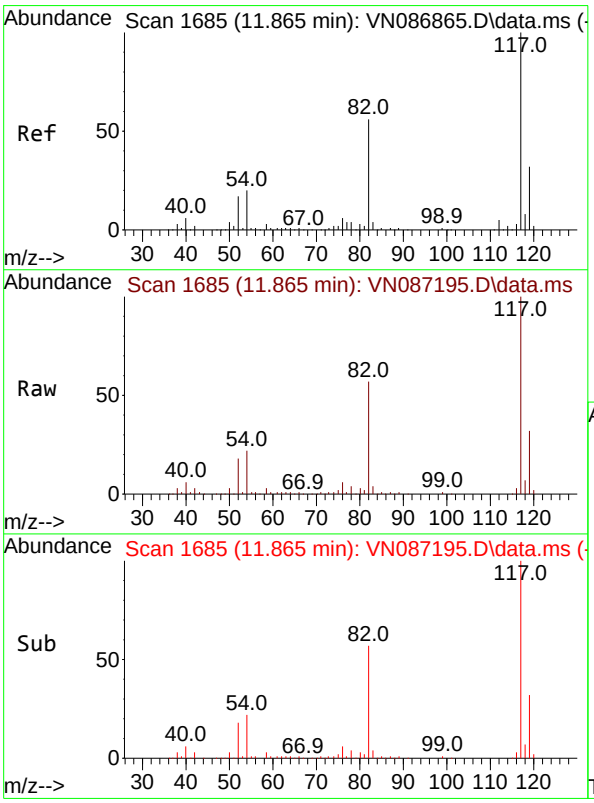
#62
4-Bromofluorobenzene
Concen: 47.398 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

Instrument :
MSVOA_N
ClientSampleId :
COP-SOIL-PILE

Tgt Ion: 95 Resp: 145391

Ion	Ratio	Lower	Upper
95	100		
174	71.1	0.0	141.8
176	67.4	0.0	132.6

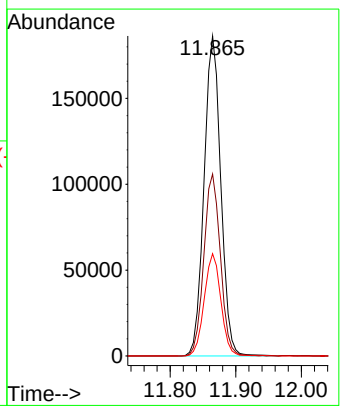


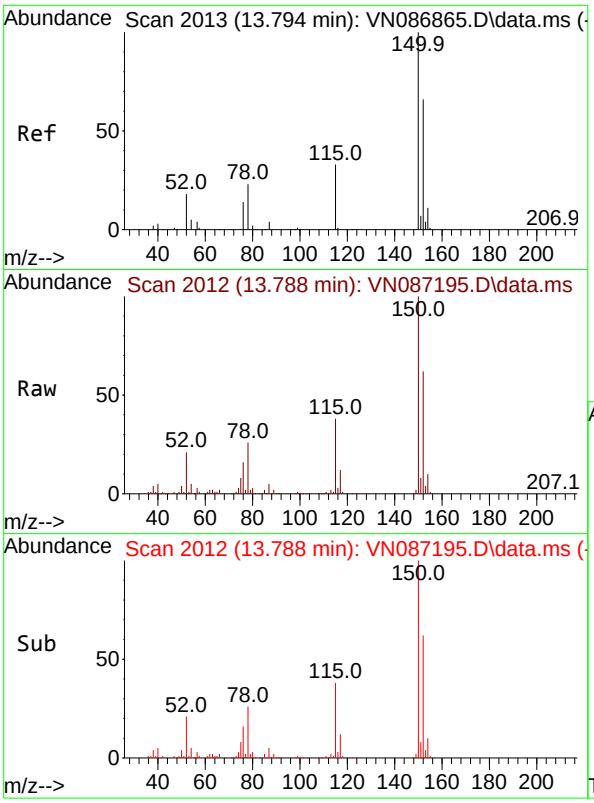


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

Tgt Ion:117 Resp: 331140

Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.6	67.0
119	31.9	25.5	38.3



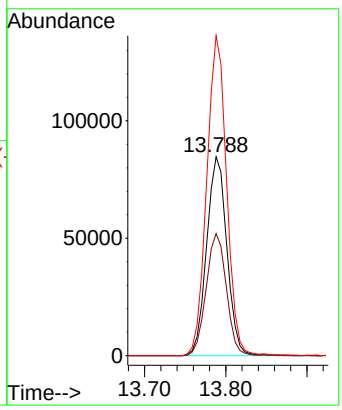


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN087195.D
Acq: 26 Jun 2025 15:10

Instrument :
MSVOA_N
ClientSampleId :
COP-SOIL-PILE

Tgt Ion:152 Resp: 146598

Ion	Ratio	Lower	Upper
152	100		
115	61.4	30.1	90.5
150	158.0	0.0	345.0



CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG No.: Q2409

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

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

LAB FILE ID: RRF001 = VN086862.D RRF005 = VN086863.D RRF020 = VN086864.D
RRF050 = VN086865.D RRF100 = VN086866.D RRF150 = VN086867.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

* 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 : 82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025
Response Via : Initial Calibration

Calibration Files
1 =VN086862.D 5 =VN086863.D 20 =VN086864.D 50 =VN086865.D 100 =VN086866.D 150 =VN086867.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.467	0.444	0.539	0.501	0.535	0.506	0.499	7.51
3)	P	Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.85
4)	C	Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.49#
5)	T	Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.57
6)	T	Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.37
7)	T	Trichlorofluor...	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.93
8)	T	Diethyl Ether	0.372	0.397	0.383	0.363	0.384	0.369	0.378	3.28
9)	T	1,1,2-Trichlor...	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.83
10)	T	Methyl Iodide		0.720	0.729	0.683	0.722	0.679	0.707	3.35
11)	T	Tert butyl alc...		0.192	0.194	0.176	0.180	0.166	0.182	6.37
12)	CM	1,1-Dichloroet...	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.44#
13)	T	Acrolein		0.073	0.051	0.045	0.052	0.066	0.057	20.26
14)	T	Allyl chloride	0.985	0.911	0.925	0.865	0.905	0.947	0.923	4.40
15)	T	Acrylonitrile	0.434	0.434	0.445	0.407	0.423	0.404	0.425	3.82
16)	T	Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.53
17)	T	Carbon Disulfide	1.718	1.621	1.542	1.426	1.496	1.433	1.539	7.38
18)	T	Methyl Acetate	1.035	1.049	1.078	0.986	1.049	1.011	1.035	3.10
19)	T	Methyl tert-bu...	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.69
20)	T	Methylene Chlo...	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.52
21)	T	trans-1,2-Dich...	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.25
22)	T	Diisopropyl ether	2.018	2.020	2.036	1.856	1.915	1.828	1.945	4.70
23)	T	Vinyl Acetate	1.743	1.692	1.715	1.591	1.604	1.517	1.644	5.29
24)	P	1,1-Dichloroet...	1.192	1.152	1.156	1.063	1.110	1.043	1.120	5.17
25)	T	2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.18
26)	T	2,2-Dichloropr...	0.967	0.796	0.778	0.905	0.912	0.868	0.871	8.32
27)	T	cis-1,2-Dichlo...	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.93
28)	T	Bromochloromet...	0.579	0.564	0.616	0.466	0.517	0.560	0.550	9.48
29)	T	Tetrahydrofuran	0.390	0.390	0.399	0.358	0.372	0.346	0.376	5.46
30)	C	Chloroform	1.235	1.151	1.145	1.061	1.085	1.030	1.118	6.66#
31)	T	Cyclohexane		1.303	1.116	1.004	1.030	0.976	1.086	12.21
32)	T	1,1,1-Trichlor...	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.88
33)	S	1,2-Dichloroet...		0.732	0.707	0.500	0.656	0.751	0.669	15.08
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.303	0.310	0.219	0.298	0.351	0.296	16.15
36)	T	1,1-Dichloropr...	0.467	0.458	0.438	0.418	0.442	0.426	0.442	4.23
37)	T	Ethyl Acetate	0.544	0.615	0.577	0.536	0.565	0.535	0.562	5.48
38)	T	Carbon Tetrach...	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.88
39)	T	Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.75
40)	TM	Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.20
41)	T	Methacrylonitrile	0.356	0.319	0.318	0.303	0.299	0.299	0.316	6.84
42)	TM	1,2-Dichloroet...	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.60
43)	T	Isopropyl Acetate	0.975	0.950	0.906	0.852	0.884	0.845	0.902	5.79
44)	TM	Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.327	0.342	4.17
45)	C	1,2-Dichloropr...	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.40#
46)	T	Dibromomethane	0.233	0.242	0.241	0.221	0.237	0.226	0.233	3.54
47)	T	Bromodichlorom...	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.80
48)	T	Methyl methacr...	0.444	0.415	0.421	0.394	0.421	0.397	0.415	4.40
49)	T	1,4-Dioxane	0.006	0.007	0.008	0.008	0.008	0.007	0.008	9.40
50)	S	Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.23
51)	T	4-Methyl-2-Pen...	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.64
52)	CM	Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.61#
53)	T	t-1,3-Dichloro...	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.59
54)	T	cis-1,3-Dichlo...	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.61
55)	T	1,1,2-Trichlor...	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.66
56)	T	Ethyl methacry...	0.433	0.516	0.567	0.556	0.595	0.578	0.541	10.92

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N060625W.M

57)	T	1,3-Dichloropr...	0.643	0.600	0.587	0.561	0.583	0.559	0.589	5.27
58)	T	2-Chloroethyl ...	0.278	0.305	0.334	0.274	0.340	0.405	0.323	15.07
59)	T	2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.36
60)	T	Dibromochlorom...	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.49
61)	T	1,2-Dibromoethane	0.353	0.358	0.354	0.329	0.354	0.341	0.348	3.18
62)	S	4-Bromofluorob...		0.441	0.446	0.325	0.446	0.521	0.436	16.16
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.51
65)	PM	Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7.01
66)	T	1,1,1,2-Tetrac...	0.362	0.374	0.358	0.338	0.356	0.338	0.354	3.99
67)	C	Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.899	4.19#
68)	T	m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.82
69)	T	o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.42
70)	T	Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.51
71)	P	Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.09
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.21
74)	T	N-amyl acetate	1.376	1.110	1.187	1.266	1.372	1.327	1.273	8.42
75)	P	1,1,2,2-Tetrac...	1.292	1.299	1.273	1.178	1.205	1.157	1.234	4.99
76)	T	1,2,3-Trichlor...	1.297	1.189	1.129	1.173	1.201	1.142	1.189	5.03
77)	T	Bromobenzene	0.870	0.855	0.840	0.790	0.838	0.819	0.835	3.36
78)	T	n-propylbenzene	4.530	4.627	4.449	4.211	4.424	4.317	4.427	3.35
79)	T	2-Chlorotoluene	2.852	2.723	2.674	2.507	2.618	2.554	2.655	4.69
80)	T	1,3,5-Trimethy...	3.004	3.091	3.035	2.898	3.064	2.953	3.007	2.39
81)	T	trans-1,4-Dich...		0.510	0.522	0.476	0.546	0.528	0.516	5.06
82)	T	4-Chlorotoluene	2.899	2.757	2.671	2.531	2.664	2.595	2.686	4.81
83)	T	tert-Butylbenzene	2.942	2.810	2.736	2.617	2.745	2.668	2.753	4.14
84)	T	1,2,4-Trimethy...	2.952	3.122	3.063	2.914	3.075	2.968	3.016	2.73
85)	T	sec-Butylbenzene	4.114	4.126	4.037	3.829	4.018	3.861	3.998	3.15
86)	T	p-Isopropyltol...	3.305	3.425	3.321	3.184	3.366	3.227	3.305	2.68
87)	T	1,3-Dichlorobe...	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5.01
88)	T	1,4-Dichlorobe...	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.27
89)	T	n-Butylbenzene	3.473	3.292	3.140	3.059	3.188	3.054	3.201	4.99
90)	T	Hexachloroethane	0.580	0.537	0.569	0.537	0.577	0.562	0.560	3.43
91)	T	1,2-Dichlorobe...	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.77
92)	T	1,2-Dibromo-3-...	0.339	0.317	0.290	0.272	0.283	0.270	0.295	9.29
93)	T	1,2,4-Trichlor...	1.042	1.037	0.991	0.969	1.016	0.994	1.008	2.82
94)	T	Hexachlorobuta...	0.364	0.391	0.385	0.363	0.382	0.369	0.376	3.11
95)	T	Naphthalene	3.820	3.727	3.761	3.600	3.839	3.772	3.753	2.27
96)	T	1,2,3-Trichlor...	1.073	1.009	0.993	0.950	1.000	0.987	1.002	4.05

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.235	168	212682	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.106	114	393457	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	348010	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167399	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	2.153	85	1985	0.936	ug/l		72
3) Chloromethane	2.400	50	3241	1.184	ug/l		98
4) Vinyl Chloride	2.559	62	2848	1.008	ug/l	#	88
6) Chloroethane	3.159	64	1957	1.073	ug/l	#	79
7) Trichlorofluoromethane	3.530	101	3752	1.017	ug/l		97
8) Diethyl Ether	3.994	74	1583	0.984	ug/l		76
9) 1,1,2-Trichlorotrifluo...	4.377	101	2358m	1.017	ug/l		
12) 1,1-Dichloroethene	4.365	96	2436	1.029	ug/l		85
14) Allyl chloride	5.041	41	4189	1.067	ug/l	#	75
15) Acrylonitrile	5.735	53	9222	5.106	ug/l		96
16) Acetone	4.459	43	9069	6.006	ug/l		95
17) Carbon Disulfide	4.730	76	7306	1.116	ug/l		97
18) Methyl Acetate	5.053	43	4402	1.000	ug/l	#	66
19) Methyl tert-butyl Ether	5.824	73	9019	1.052	ug/l		92
20) Methylene Chloride	5.294	84	3496	1.237	ug/l		93
21) trans-1,2-Dichloroethene	5.800	96	2979	1.131	ug/l		87
22) Diisopropyl ether	6.682	45	8584	1.037	ug/l	#	96
23) Vinyl Acetate	6.618	43	37075	5.303	ug/l		95
24) 1,1-Dichloroethane	6.588	63	5071	1.065	ug/l	#	81
25) 2-Butanone	7.500	43	12841	5.231	ug/l		93
26) 2,2-Dichloropropane	7.500	77	4112	1.110	ug/l		94
27) cis-1,2-Dichloroethene	7.494	96	3345	1.062	ug/l		95
28) Bromochloromethane	7.824	49	2464	1.052	ug/l	#	88
29) Tetrahydrofuran	7.853	42	8301	5.191	ug/l		100
30) Chloroform	7.971	83	5255	1.105	ug/l		97
32) 1,1,1-Trichloroethane	8.171	97	4378	1.082	ug/l	#	50
36) 1,1-Dichloropropene	8.376	75	3678	1.059	ug/l		96
37) Ethyl Acetate	7.577	43	4282	0.968	ug/l	#	78
38) Carbon Tetrachloride	8.376	117	3563	1.045	ug/l	#	93
39) Methylcyclohexane	9.606	83	4981	1.046	ug/l	#	90
40) Benzene	8.612	78	12498	1.100	ug/l		100
41) Methacrylonitrile	7.782	41	2799	1.127	ug/l		89
42) 1,2-Dichloroethane	8.682	62	3725	1.081	ug/l		82
43) Isopropyl Acetate	8.694	43	7673	1.081	ug/l	#	96
44) Trichloroethene	9.365	130	2822	1.047	ug/l		71
45) 1,2-Dichloropropane	9.629	63	2883	1.043	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	Dibromomethane	9.712	93	1835	0.999	ug/l		94
47)	Bromodichloromethane	9.888	83	4017	1.063	ug/l	#	96
48)	Methyl methacrylate	9.688	41	3492	1.069	ug/l		88
49)	1,4-Dioxane	9.706	88	1004	16.891	ug/l	#	74
51)	4-Methyl-2-Pentanone	10.453	43	19886	4.653	ug/l		99
52)	Toluene	10.635	92	7227	1.041	ug/l		95
53)	t-1,3-Dichloropropene	10.841	75	4494	1.064	ug/l		97
54)	cis-1,3-Dichloropropene	10.312	75	4792	1.060	ug/l		97
55)	1,1,2-Trichloroethane	11.023	97	2828	1.058	ug/l		89
56)	Ethyl methacrylate	10.882	69	3406	0.800	ug/l	#	85
57)	1,3-Dichloropropane	11.170	76	5062	1.092	ug/l		98
58)	2-Chloroethyl Vinyl ether	10.165	63	10924	4.304	ug/l		97
59)	2-Hexanone	11.235	43	12295m	4.466	ug/l		
60)	Dibromochloromethane	11.359	129	2843	1.021	ug/l		96
61)	1,2-Dibromoethane	11.470	107	2777	1.014	ug/l		96
64)	Tetrachloroethene	11.106	164	2473	1.123	ug/l		94
65)	Chlorobenzene	11.894	112	8581	1.118	ug/l	#	87
66)	1,1,1,2-Tetrachloroethane	11.959	131	2523	1.023	ug/l	#	63
67)	Ethyl Benzene	11.970	91	13845	1.047	ug/l		94
68)	m/p-Xylenes	12.070	106	10163	2.008	ug/l		95
69)	o-Xylene	12.400	106	4970	1.025	ug/l		93
70)	Styrene	12.417	104	8189	0.987	ug/l		98
71)	Bromoform	12.582	173	1508	0.825	ug/l	#	78
73)	Isopropylbenzene	12.694	105	12938	1.061	ug/l		98
74)	N-amyl acetate	12.647	43	4608m	1.138	ug/l		
75)	1,1,2,2-Tetrachloroethane	12.935	83	4326	1.047	ug/l	#	93
76)	1,2,3-Trichloropropane	13.000	75	4343m	1.088	ug/l		
77)	Bromobenzene	12.982	156	2913	1.042	ug/l		96
78)	n-propylbenzene	13.035	91	15168	1.023	ug/l		98
79)	2-Chlorotoluene	13.123	91	9550	1.074	ug/l		97
80)	1,3,5-Trimethylbenzene	13.170	105	10058	0.999	ug/l		96
82)	4-Chlorotoluene	13.223	91	9706	1.079	ug/l		96
83)	tert-Butylbenzene	13.435	119	9849	1.069	ug/l		98
84)	1,2,4-Trimethylbenzene	13.482	105	9882	0.979	ug/l		99
85)	sec-Butylbenzene	13.617	105	13775	1.029	ug/l		100
86)	p-Isopropyltoluene	13.729	119	11065	1.000	ug/l		97
87)	1,3-Dichlorobenzene	13.735	146	5903	1.073	ug/l		94
88)	1,4-Dichlorobenzene	13.811	146	6094m	1.086	ug/l		
89)	n-Butylbenzene	14.058	91	11627	1.085	ug/l		94
90)	Hexachloroethane	14.329	117	1942	1.036	ug/l		93
91)	1,2-Dichlorobenzene	14.106	146	5607	1.061	ug/l		99
92)	1,2-Dibromo-3-Chloropr...	14.717	75	1136	1.150	ug/l		78
93)	1,2,4-Trichlorobenzene	15.388	180	3489	1.034	ug/l		98
94)	Hexachlorobutadiene	15.500	225	1219	0.969	ug/l		88
95)	Naphthalene	15.635	128	12789	1.018	ug/l		98
96)	1,2,3-Trichlorobenzene	15.835	180	3594	1.072	ug/l		96

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

ICAL Form

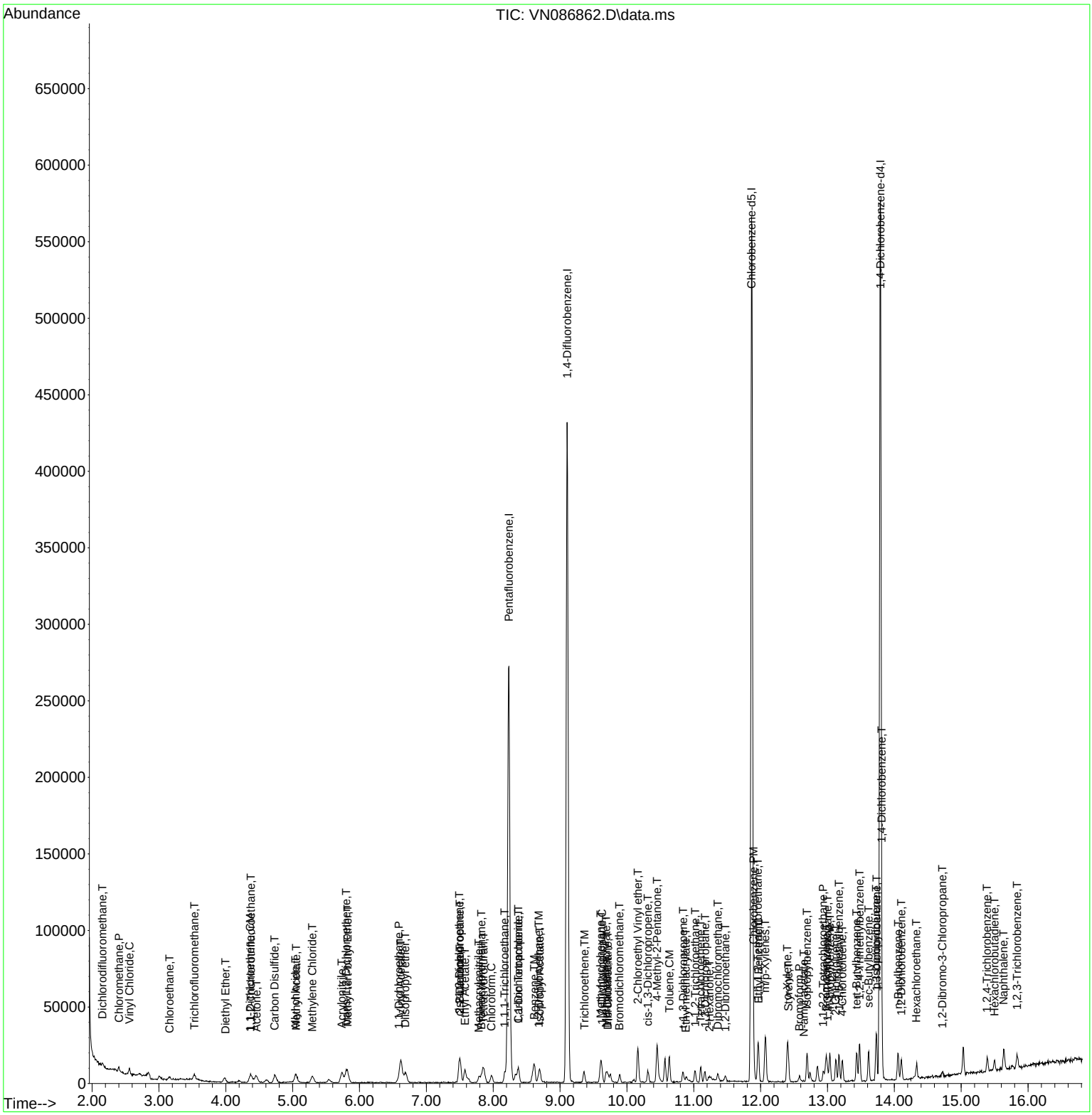
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	229701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	423980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	371851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	16818	5.468	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.940%#		
35) Dibromofluoromethane	8.177	113	12867	5.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.240%#		
50) Toluene-d8	10.571	98	52794	5.308	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.620%#		
62) 4-Bromofluorobenzene	12.847	95	18697	5.059	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.120%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	10196	4.452	ug/l	93
3) Chloromethane	2.395	50	15025	5.080	ug/l	98
4) Vinyl Chloride	2.554	62	15384	5.043	ug/l	97
5) Bromomethane	2.989	94	8606	5.041	ug/l	97
6) Chloroethane	3.154	64	10190	5.171	ug/l	96
7) Trichlorofluoromethane	3.518	101	20740	5.203	ug/l	99
8) Diethyl Ether	3.971	74	9121	5.252	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.401	101	13034	5.205	ug/l	97
10) Methyl Iodide	4.606	142	16530	5.092	ug/l	98
11) Tert butyl alcohol	5.542	59	22000	26.363	ug/l	99
12) 1,1-Dichloroethene	4.359	96	13610	5.323	ug/l	94
13) Acrolein	4.195	56	8401	31.804	ug/l	99
14) Allyl chloride	5.042	41	20925	4.935	ug/l	99
15) Acrylonitrile	5.736	53	49826	25.545	ug/l	99
16) Acetone	4.448	43	41981	25.741	ug/l	99
17) Carbon Disulfide	4.736	76	37246	5.267	ug/l	97
18) Methyl Acetate	5.048	43	24096	5.070	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	46823	5.058	ug/l	95
20) Methylene Chloride	5.300	84	15809	5.178	ug/l	96
21) trans-1,2-Dichloroethene	5.806	96	15480	5.442	ug/l #	81
22) Diisopropyl ether	6.689	45	46396	5.191	ug/l	99
23) Vinyl Acetate	6.618	43	194334	25.735	ug/l	100
24) 1,1-Dichloroethane	6.583	63	26473	5.147	ug/l	99
25) 2-Butanone	7.494	43	68629	25.888	ug/l	99
26) 2,2-Dichloropropane	7.500	77	18288	4.571	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	17594	5.172	ug/l	98
28) Bromochloromethane	7.830	49	12958	5.124	ug/l #	97
29) Tetrahydrofuran	7.853	42	44749	25.912	ug/l	98
30) Chloroform	7.977	83	26450	5.149	ug/l	95
31) Cyclohexane	8.271	56	29938	6.002	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	22857	5.232	ug/l #	50
36) 1,1-Dichloropropene	8.377	75	19410	5.184	ug/l	98
37) Ethyl Acetate	7.571	43	26073	5.470	ug/l	97
38) Carbon Tetrachloride	8.371	117	19056	5.184	ug/l	99
39) Methylcyclohexane	9.606	83	27353	5.333	ug/l	95
40) Benzene	8.612	78	63646	5.199	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	13518	5.050	ug/l		99
42) 1,2-Dichloroethane	8.683	62	19329	5.205	ug/l		98
43) Isopropyl Acetate	8.700	43	40268	5.264	ug/l		98
44) Trichloroethene	9.359	130	15245	5.251	ug/l		96
45) 1,2-Dichloropropane	9.624	63	15632	5.248	ug/l		99
46) Dibromomethane	9.718	93	10241	5.176	ug/l		99
47) Bromodichloromethane	9.888	83	20512	5.039	ug/l		97
48) Methyl methacrylate	9.688	41	17591	4.996	ug/l		94
49) 1,4-Dioxane	9.700	88	6141	95.874	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.447	43	116434	25.283	ug/l		97
52) Toluene	10.630	92	38744	5.178	ug/l		99
53) t-1,3-Dichloropropene	10.841	75	22285	4.896	ug/l		98
54) cis-1,3-Dichloropropene	10.318	75	24477	5.026	ug/l		93
55) 1,1,2-Trichloroethane	11.018	97	15068	5.234	ug/l		97
56) Ethyl methacrylate	10.888	69	21893	4.774	ug/l		95
57) 1,3-Dichloropropane	11.165	76	25452	5.096	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	64722	23.664	ug/l		98
59) 2-Hexanone	11.212	43	59884	20.188	ug/l		99
60) Dibromochloromethane	11.359	129	14884	4.962	ug/l		98
61) 1,2-Dibromoethane	11.471	107	15172	5.141	ug/l		99
64) Tetrachloroethene	11.106	164	12322	5.236	ug/l		92
65) Chlorobenzene	11.894	112	42195	5.145	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.965	131	13897	5.271	ug/l		97
67) Ethyl Benzene	11.965	91	73443	5.199	ug/l		97
68) m/p-Xylenes	12.071	106	55859	10.330	ug/l		100
69) o-Xylene	12.400	106	26004	5.021	ug/l		96
70) Styrene	12.412	104	44380	5.008	ug/l		98
71) Bromoform	12.582	173	9890	5.063	ug/l	#	96
73) Isopropylbenzene	12.694	105	67878	5.146	ug/l		100
74) N-amyl acetate	12.559	43	20096m	4.590	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	23516	5.262	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	21527m	4.986	ug/l		
77) Bromobenzene	12.976	156	15485	5.119	ug/l		92
78) n-propylbenzene	13.035	91	83781	5.226	ug/l		99
79) 2-Chlorotoluene	13.124	91	49297	5.128	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	55961	5.139	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.741	75	9234	4.939	ug/l		94
82) 4-Chlorotoluene	13.223	91	49924	5.132	ug/l		100
83) tert-Butylbenzene	13.435	119	50874	5.103	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	56525	5.176	ug/l		100
85) sec-Butylbenzene	13.618	105	74711	5.161	ug/l		99
86) p-Isopropyltoluene	13.729	119	62016	5.182	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	30949	5.200	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	32342	5.330	ug/l		96
89) n-Butylbenzene	14.053	91	59601	5.142	ug/l		99
90) Hexachloroethane	14.335	117	9725	4.794	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	29897	5.228	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5731	5.363	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	18778	5.143	ug/l		99
94) Hexachlorobutadiene	15.500	225	7072	5.199	ug/l		99
95) Naphthalene	15.641	128	67481	4.965	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	18262	5.034	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

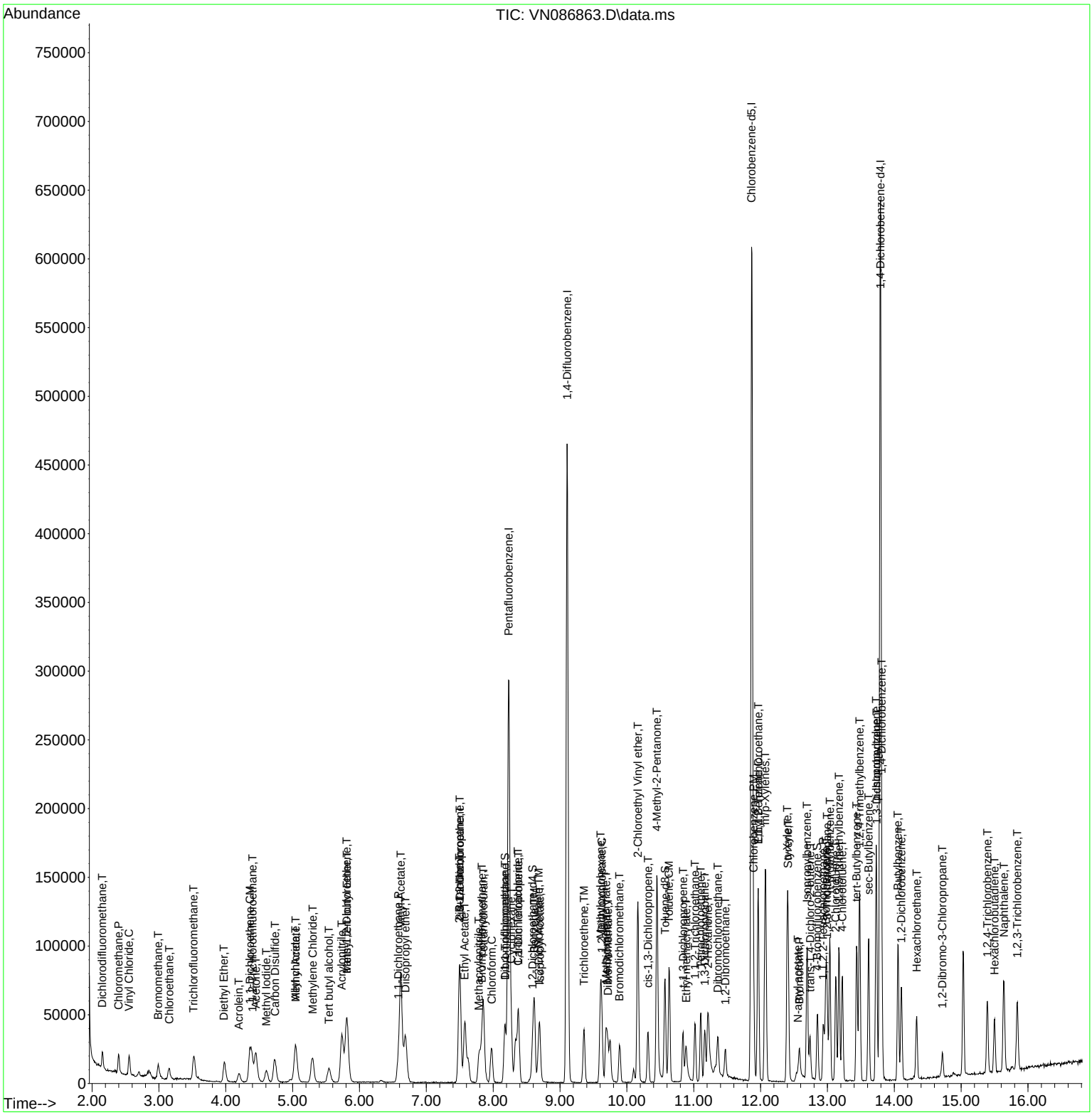
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	224006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	418154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	363172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	181178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	63390	21.136	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.280%#		
35) Dibromofluoromethane	8.177	113	51797	20.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	41.800%#		
50) Toluene-d8	10.571	98	201268	20.516	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.040%#		
62) 4-Bromofluorobenzene	12.853	95	74622	20.474	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.940%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.159	85	48254	21.605	ug/l	92
3) Chloromethane	2.401	50	57778	20.033	ug/l	93
4) Vinyl Chloride	2.559	62	61254	20.589	ug/l	99
5) Bromomethane	3.006	94	34022	20.435	ug/l	95
6) Chloroethane	3.159	64	39625	20.619	ug/l	99
7) Trichlorofluoromethane	3.524	101	80978	20.832	ug/l	94
8) Diethyl Ether	3.983	74	34288	20.245	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.395	101	50458	20.661	ug/l	98
10) Methyl Iodide	4.612	142	65360	20.646	ug/l	98
11) Tert butyl alcohol	5.547	59	87102	107.031	ug/l	99
12) 1,1-Dichloroethene	4.359	96	50485	20.249	ug/l	96
13) Acrolein	4.200	56	22866	88.767	ug/l	97
14) Allyl chloride	5.047	41	82924	20.055	ug/l	98
15) Acrylonitrile	5.742	53	199498	104.881	ug/l	99
16) Acetone	4.447	43	163979	103.099	ug/l	98
17) Carbon Disulfide	4.736	76	138195	20.038	ug/l	97
18) Methyl Acetate	5.047	43	96547	20.830	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	183780	20.358	ug/l	98
20) Methylene Chloride	5.294	84	57611	19.348	ug/l	98
21) trans-1,2-Dichloroethene	5.806	96	55643	20.059	ug/l	94
22) Diisopropyl ether	6.689	45	182472	20.935	ug/l	98
23) Vinyl Acetate	6.624	43	768556	104.365	ug/l	99
24) 1,1-Dichloroethane	6.583	63	103578	20.650	ug/l	99
25) 2-Butanone	7.494	43	270477	104.621	ug/l	100
26) 2,2-Dichloropropane	7.506	77	69692	17.862	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	68292	20.585	ug/l	98
28) Bromochloromethane	7.824	49	55196	22.381	ug/l	99
29) Tetrahydrofuran	7.853	42	178571	106.031	ug/l	99
30) Chloroform	7.977	83	102615	20.485	ug/l	93
31) Cyclohexane	8.271	56	100026	20.563	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	86810	20.376	ug/l	98
36) 1,1-Dichloropropene	8.383	75	73252	19.838	ug/l	100
37) Ethyl Acetate	7.571	43	96467	20.522	ug/l	98
38) Carbon Tetrachloride	8.377	117	72628	20.034	ug/l	97
39) Methylcyclohexane	9.606	83	98425	19.455	ug/l	99
40) Benzene	8.612	78	241444	19.996	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	53244	20.169	ug/l		98
42) 1,2-Dichloroethane	8.677	62	74238	20.270	ug/l		100
43) Isopropyl Acetate	8.694	43	151601	20.094	ug/l		99
44) Trichloroethene	9.359	130	57110	19.946	ug/l		96
45) 1,2-Dichloropropane	9.630	63	59293	20.184	ug/l		97
46) Dibromomethane	9.712	93	40290	20.648	ug/l		98
47) Bromodichloromethane	9.894	83	80353	20.015	ug/l		98
48) Methyl methacrylate	9.682	41	70457	20.290	ug/l		97
49) 1,4-Dioxane	9.706	88	28231	446.886	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.447	43	481741	106.066	ug/l		99
52) Toluene	10.635	92	148000	20.056	ug/l		98
53) t-1,3-Dichloropropene	10.841	75	87683	19.532	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	94315	19.636	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	57195	20.143	ug/l		99
56) Ethyl methacrylate	10.882	69	94829	20.968	ug/l		98
57) 1,3-Dichloropropane	11.165	76	98205	19.938	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	278986	103.426	ug/l		99
59) 2-Hexanone	11.206	43	303686	103.803	ug/l		95
60) Dibromochloromethane	11.359	129	59961	20.268	ug/l		99
61) 1,2-Dibromoethane	11.471	107	59139	20.320	ug/l		97
64) Tetrachloroethene	11.106	164	45374	19.742	ug/l		96
65) Chlorobenzene	11.894	112	160803	20.076	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	52069	20.223	ug/l		99
67) Ethyl Benzene	11.965	91	277087	20.083	ug/l		98
68) m/p-Xylenes	12.071	106	215378	40.780	ug/l		100
69) o-Xylene	12.400	106	102050	20.175	ug/l		98
70) Styrene	12.412	104	178061	20.572	ug/l		99
71) Bromoform	12.576	173	40070	21.004	ug/l	#	99
73) Isopropylbenzene	12.694	105	264442	20.035	ug/l		100
74) N-amyl acetate	12.523	43	86003	19.633	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	92264	20.634	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	81846m	18.945	ug/l		
77) Bromobenzene	12.982	156	60877	20.111	ug/l		98
78) n-propylbenzene	13.035	91	322436	20.102	ug/l		100
79) 2-Chlorotoluene	13.123	91	193774	20.144	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	219937	20.183	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	37808	20.209	ug/l		92
82) 4-Chlorotoluene	13.223	91	193544	19.885	ug/l		99
83) tert-Butylbenzene	13.435	119	198303	19.880	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	221990	20.315	ug/l		100
85) sec-Butylbenzene	13.617	105	292563	20.196	ug/l		100
86) p-Isopropyltoluene	13.729	119	240682	20.099	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	120099	20.166	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	120102	19.780	ug/l		97
89) n-Butylbenzene	14.053	91	227536	19.617	ug/l		100
90) Hexachloroethane	14.335	117	41202	20.299	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	115645	20.212	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	21025	19.661	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	71826	19.659	ug/l		98
94) Hexachlorobutadiene	15.500	225	27887	20.486	ug/l		97
95) Naphthalene	15.641	128	272584	20.043	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	71929	19.815	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 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

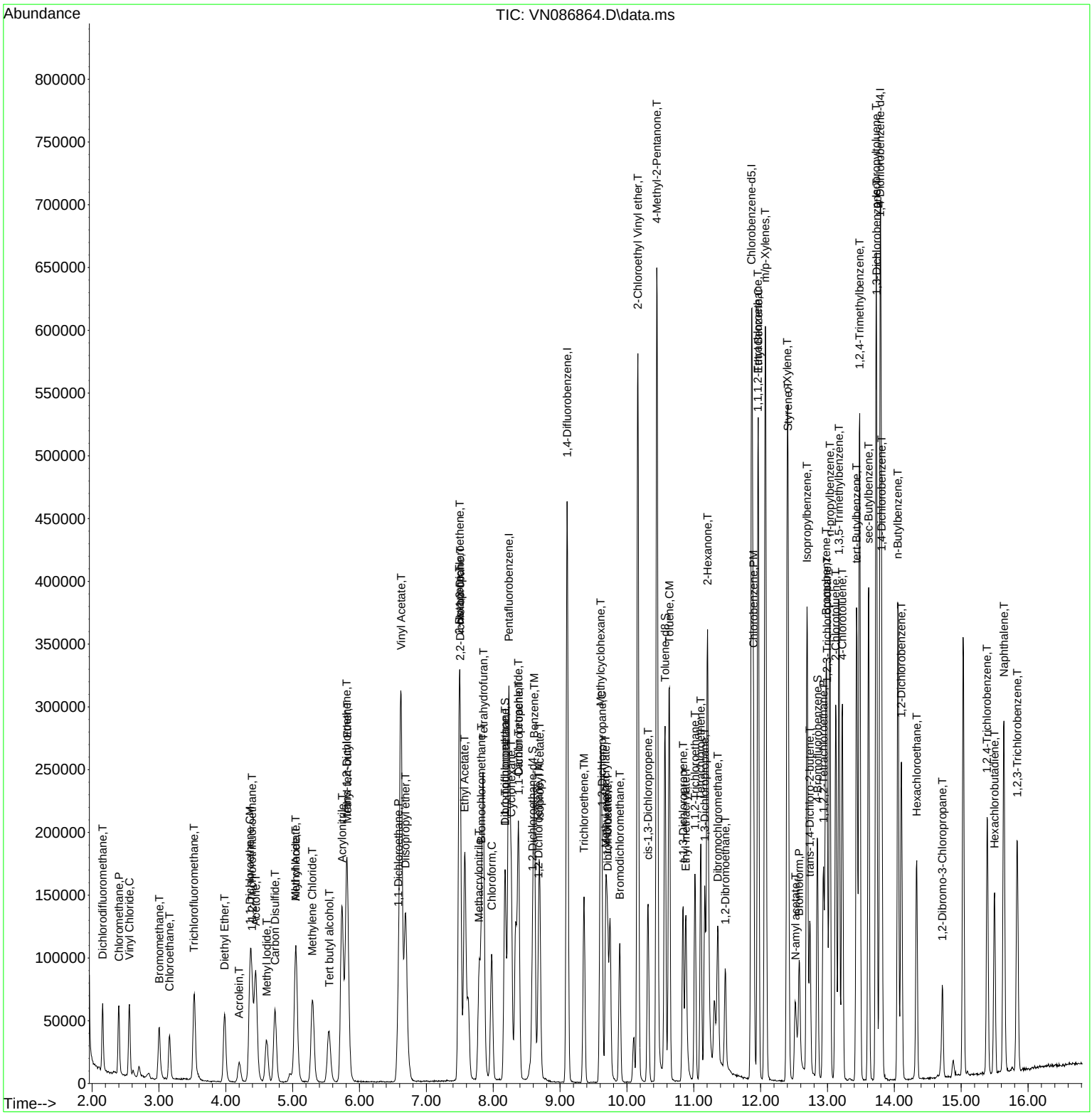
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	207354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	378587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	332766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	103736	37.366	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 74.740%			
35) Dibromofluoromethane	8.171	113	83058	37.020	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 74.040%#			
50) Toluene-d8	10.571	98	326105	36.716	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 73.440%#			
62) 4-Bromofluorobenzene	12.847	95	122965	37.264	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 74.520%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	103958	50.283	ug/l	100
3) Chloromethane	2.395	50	123866	46.397	ug/l	100
4) Vinyl Chloride	2.554	62	132783	48.215	ug/l	100
5) Bromomethane	2.995	94	73974	47.999	ug/l	100
6) Chloroethane	3.154	64	84505	47.504	ug/l	100
7) Trichlorofluoromethane	3.524	101	172860	48.041	ug/l	100
8) Diethyl Ether	3.983	74	75193	47.963	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	107695	47.640	ug/l	100
10) Methyl Iodide	4.606	142	141678	48.346	ug/l	100
11) Tert butyl alcohol	5.548	59	182315	242.020	ug/l	100
12) 1,1-Dichloroethene	4.359	96	110549	47.900	ug/l	100
13) Acrolein	4.201	56	47026	197.217	ug/l	100
14) Allyl chloride	5.042	41	179313	46.848	ug/l	100
15) Acrylonitrile	5.742	53	421941	239.638	ug/l	100
16) Acetone	4.448	43	333857	226.765	ug/l	100
17) Carbon Disulfide	4.730	76	295753	46.328	ug/l	100
18) Methyl Acetate	5.042	43	204538	47.673	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	400775	47.960	ug/l	100
20) Methylene Chloride	5.295	84	125498	45.531	ug/l	100
21) trans-1,2-Dichloroethene	5.806	96	117660	45.822	ug/l	100
22) Diisopropyl ether	6.689	45	384939	47.711	ug/l	100
23) Vinyl Acetate	6.618	43	1649023	241.910	ug/l	100
24) 1,1-Dichloroethane	6.583	63	220477	47.485	ug/l	100
25) 2-Butanone	7.494	43	571221	238.693	ug/l	100
26) 2,2-Dichloropropane	7.500	77	187567	51.933	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	144911	47.189	ug/l	100
28) Bromochloromethane	7.824	49	96707	42.362	ug/l	100
29) Tetrahydrofuran	7.853	42	371357	238.210	ug/l	100
30) Chloroform	7.977	83	220093	47.467	ug/l	100
31) Cyclohexane	8.271	56	208105	46.217	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	185502	47.037	ug/l	100
36) 1,1-Dichloropropene	8.377	75	158341	47.362	ug/l	100
37) Ethyl Acetate	7.577	43	203091	47.720	ug/l	100
38) Carbon Tetrachloride	8.371	117	154677	47.126	ug/l	100
39) Methylcyclohexane	9.606	83	215849	47.126	ug/l	100
40) Benzene	8.612	78	509334	46.590	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	114727	48.000	ug/l		100
42) 1,2-Dichloroethane	8.677	62	155713	46.960	ug/l		100
43) Isopropyl Acetate	8.694	43	322741	47.248	ug/l		100
44) Trichloroethene	9.359	130	123847	47.776	ug/l		100
45) 1,2-Dichloropropane	9.630	63	125673	47.251	ug/l		100
46) Dibromomethane	9.718	93	83811	47.442	ug/l		100
47) Bromodichloromethane	9.894	83	173200	47.651	ug/l		100
48) Methyl methacrylate	9.683	41	149019	47.399	ug/l		100
49) 1,4-Dioxane	9.700	88	59060	1032.607	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.447	43	1017688	247.484	ug/l		100
52) Toluene	10.635	92	316219	47.331	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	197475	48.587	ug/l		100
54) cis-1,3-Dichloropropene	10.318	75	208523	47.950	ug/l		100
55) 1,1,2-Trichloroethane	11.018	97	121969	47.445	ug/l		100
56) Ethyl methacrylate	10.882	69	210467	51.401	ug/l		100
57) 1,3-Dichloropropane	11.165	76	212243	47.593	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.165	63	519139	212.570	ug/l		100
59) 2-Hexanone	11.200	43	696567	262.977	ug/l		100
60) Dibromochloromethane	11.359	129	128715	48.056	ug/l		100
61) 1,2-Dibromoethane	11.471	107	124522	47.258	ug/l		100
64) Tetrachloroethene	11.106	164	97679	46.382	ug/l		100
65) Chlorobenzene	11.894	112	340439	46.386	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.965	131	112333	47.615	ug/l		100
67) Ethyl Benzene	11.965	91	597593	47.271	ug/l		100
68) m/p-Xylenes	12.071	106	466620	96.424	ug/l		100
69) o-Xylene	12.400	106	224299	48.395	ug/l		100
70) Styrene	12.412	104	386596	48.745	ug/l		100
71) Bromoform	12.582	173	88127	50.415	ug/l	#	100
73) Isopropylbenzene	12.694	105	573905	47.023	ug/l		100
74) N-amyl acetate	12.512	43	212064	52.353	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.941	83	197360	47.732	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	196473m	49.183	ug/l		
77) Bromobenzene	12.982	156	132381	47.296	ug/l		100
78) n-propylbenzene	13.035	91	705524	47.567	ug/l		100
79) 2-Chlorotoluene	13.124	91	419986	47.216	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	485499	48.181	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	79732	46.089	ug/l		100
82) 4-Chlorotoluene	13.224	91	424066	47.117	ug/l		100
83) tert-Butylbenzene	13.435	119	438417	47.531	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	488189	48.314	ug/l		100
85) sec-Butylbenzene	13.618	105	641523	47.893	ug/l		100
86) p-Isopropyltoluene	13.729	119	533366	48.169	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	260310	47.269	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	263358	46.907	ug/l		100
89) n-Butylbenzene	14.053	91	512519	47.787	ug/l		100
90) Hexachloroethane	14.335	117	89896	47.896	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	251235	47.486	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	45535	46.049	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	162374	48.061	ug/l		100
94) Hexachlorobutadiene	15.500	225	60866	48.356	ug/l		100
95) Naphthalene	15.641	128	603088	47.958	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	159113	47.402	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

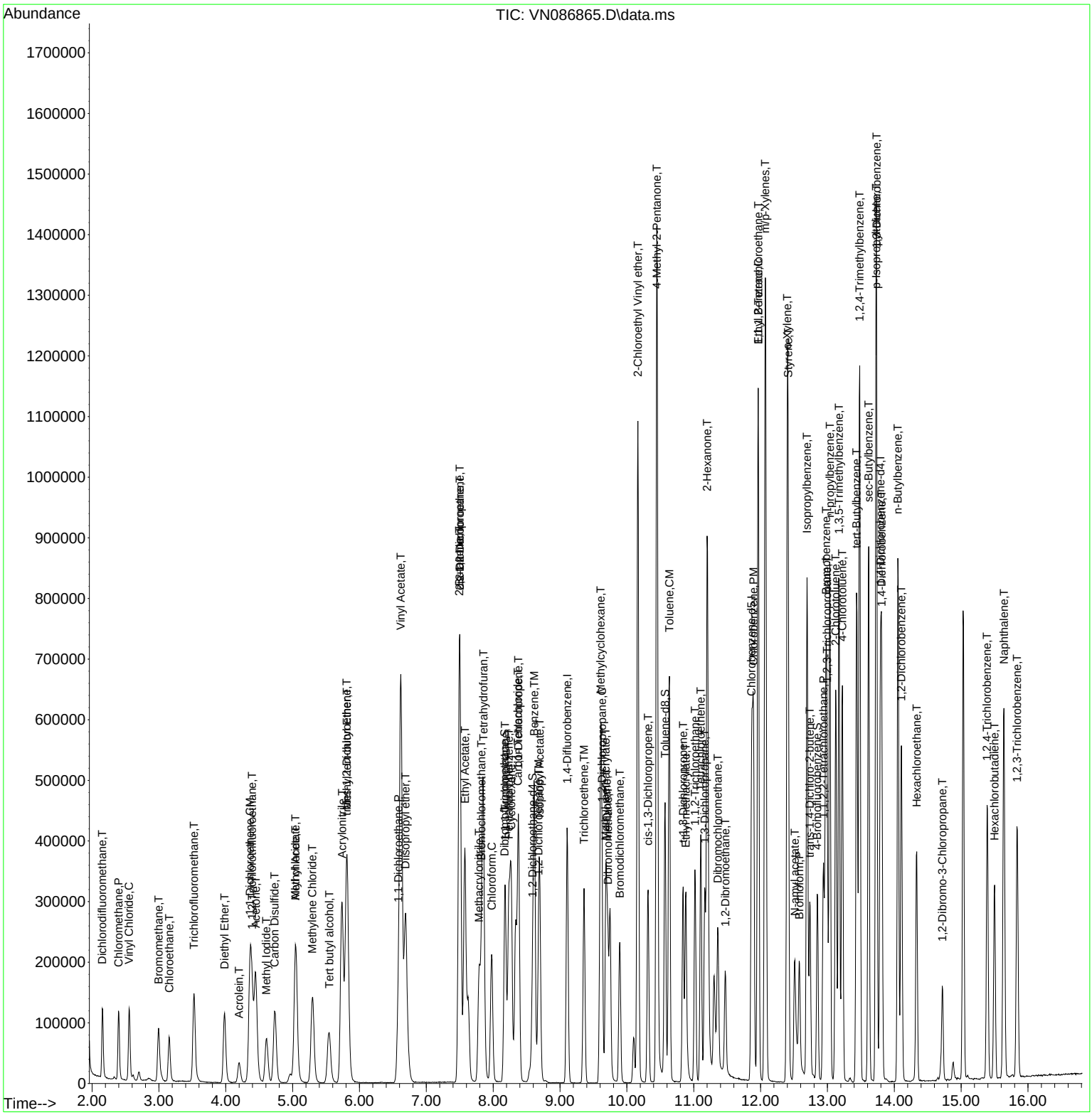
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	181996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	327782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	290313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	238957	98.065	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 196.120%#			
35) Dibromofluoromethane	8.177	113	195212	100.495	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 200.980%#			
50) Toluene-d8	10.570	98	772210	100.419	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.840%#			
62) 4-Bromofluorobenzene	12.847	95	292385	102.339	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 204.680%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	194799	107.350	ug/l	100
3) Chloromethane	2.395	50	224558	95.833	ug/l	98
4) Vinyl Chloride	2.553	62	245135	101.414	ug/l	98
5) Bromomethane	2.977	94	137967	101.996	ug/l	99
6) Chloroethane	3.147	64	152150	97.447	ug/l	97
7) Trichlorofluoromethane	3.524	101	312394	98.917	ug/l	99
8) Diethyl Ether	3.983	74	139844	101.631	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	198739	100.163	ug/l	99
10) Methyl Iodide	4.612	142	262771	102.162	ug/l	99
11) Tert butyl alcohol	5.547	59	327987	496.062	ug/l	99
12) 1,1-Dichloroethene	4.359	96	200212	98.838	ug/l	99
13) Acrolein	4.200	56	94171	449.961	ug/l	98
14) Allyl chloride	5.047	41	329412	98.055	ug/l	99
15) Acrylonitrile	5.735	53	770470	498.552	ug/l	99
16) Acetone	4.447	43	608178	470.648	ug/l	98
17) Carbon Disulfide	4.736	76	544511	97.179	ug/l	100
18) Methyl Acetate	5.047	43	381808	101.390	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	735694	100.306	ug/l	100
20) Methylene Chloride	5.294	84	228800	94.575	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	215177	95.476	ug/l	99
22) Diisopropyl ether	6.688	45	696881	98.409	ug/l	98
23) Vinyl Acetate	6.618	43	2919350	487.936	ug/l	100
24) 1,1-Dichloroethane	6.588	63	404207	99.186	ug/l	99
25) 2-Butanone	7.494	43	1043385	496.743	ug/l	100
26) 2,2-Dichloropropane	7.500	77	331995	104.729	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	265248	98.410	ug/l	99
28) Bromochloromethane	7.824	49	188050	93.851	ug/l	99
29) Tetrahydrofuran	7.847	42	677636	495.240	ug/l	99
30) Chloroform	7.977	83	394927	97.040	ug/l	99
31) Cyclohexane	8.265	56	374933	94.869	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	336819	97.306	ug/l	99
36) 1,1-Dichloropropene	8.382	75	289907	100.156	ug/l	99
37) Ethyl Acetate	7.571	43	370652	100.591	ug/l	99
38) Carbon Tetrachloride	8.371	117	285325	100.404	ug/l	98
39) Methylcyclohexane	9.606	83	395603	99.758	ug/l	99
40) Benzene	8.612	78	927083	97.946	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.794	41	195946	94.688	ug/l		95
42) 1,2-Dichloroethane	8.676	62	282015	98.232	ug/l		100
43) Isopropyl Acetate	8.694	43	579464	97.981	ug/l		99
44) Trichloroethene	9.359	130	222822	99.280	ug/l		97
45) 1,2-Dichloropropane	9.629	63	230454	100.077	ug/l		98
46) Dibromomethane	9.712	93	155530	101.685	ug/l		99
47) Bromodichloromethane	9.894	83	316375	100.533	ug/l		100
48) Methyl methacrylate	9.682	41	275710	101.288	ug/l		99
49) 1,4-Dioxane	9.706	88	104771	2115.744	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	1843274	517.729	ug/l		99
52) Toluene	10.635	92	578978	100.092	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	359200	102.077	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	383030	101.730	ug/l		99
55) 1,1,2-Trichloroethane	11.017	97	219922	98.808	ug/l		98
56) Ethyl methacrylate	10.882	69	389802	109.955	ug/l		99
57) 1,3-Dichloropropane	11.165	76	382510	99.069	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	1113523	526.621	ug/l		100
59) 2-Hexanone	11.200	43	1301539	567.535	ug/l		99
60) Dibromochloromethane	11.359	129	237965	102.616	ug/l		100
61) 1,2-Dibromoethane	11.470	107	232214	101.787	ug/l		98
64) Tetrachloroethene	11.106	164	181568	98.824	ug/l		94
65) Chlorobenzene	11.894	112	632563	98.793	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	206895	100.521	ug/l		100
67) Ethyl Benzene	11.964	91	1110803	100.717	ug/l		99
68) m/p-Xylenes	12.070	106	854557	202.411	ug/l		99
69) o-Xylene	12.400	106	412719	102.070	ug/l		100
70) Styrene	12.412	104	713548	103.127	ug/l		100
71) Bromoform	12.576	173	165781	108.707	ug/l	#	99
73) Isopropylbenzene	12.694	105	1065297	99.410	ug/l		100
74) N-amyl acetate	12.506	43	403587	113.475	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	354386	97.616	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	353334m	100.738	ug/l		
77) Bromobenzene	12.982	156	246413	100.266	ug/l		99
78) n-propylbenzene	13.035	91	1301631	99.948	ug/l		100
79) 2-Chlorotoluene	13.123	91	770308	98.630	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	901317	101.873	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	160736	105.820	ug/l		92
82) 4-Chlorotoluene	13.223	91	783657	99.166	ug/l		100
83) tert-Butylbenzene	13.435	119	807528	99.710	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	904794	101.983	ug/l		100
85) sec-Butylbenzene	13.617	105	1182155	100.513	ug/l		99
86) p-Isopropyltoluene	13.729	119	990273	101.857	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	474162	98.063	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	483003	97.978	ug/l		99
89) n-Butylbenzene	14.053	91	937913	99.598	ug/l		100
90) Hexachloroethane	14.335	117	169772	103.019	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	458049	98.602	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	83243	95.877	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	298870	100.751	ug/l		99
94) Hexachlorobutadiene	15.500	225	112496	101.789	ug/l		98
95) Naphthalene	15.641	128	1129434	102.290	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	294127	99.796	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 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

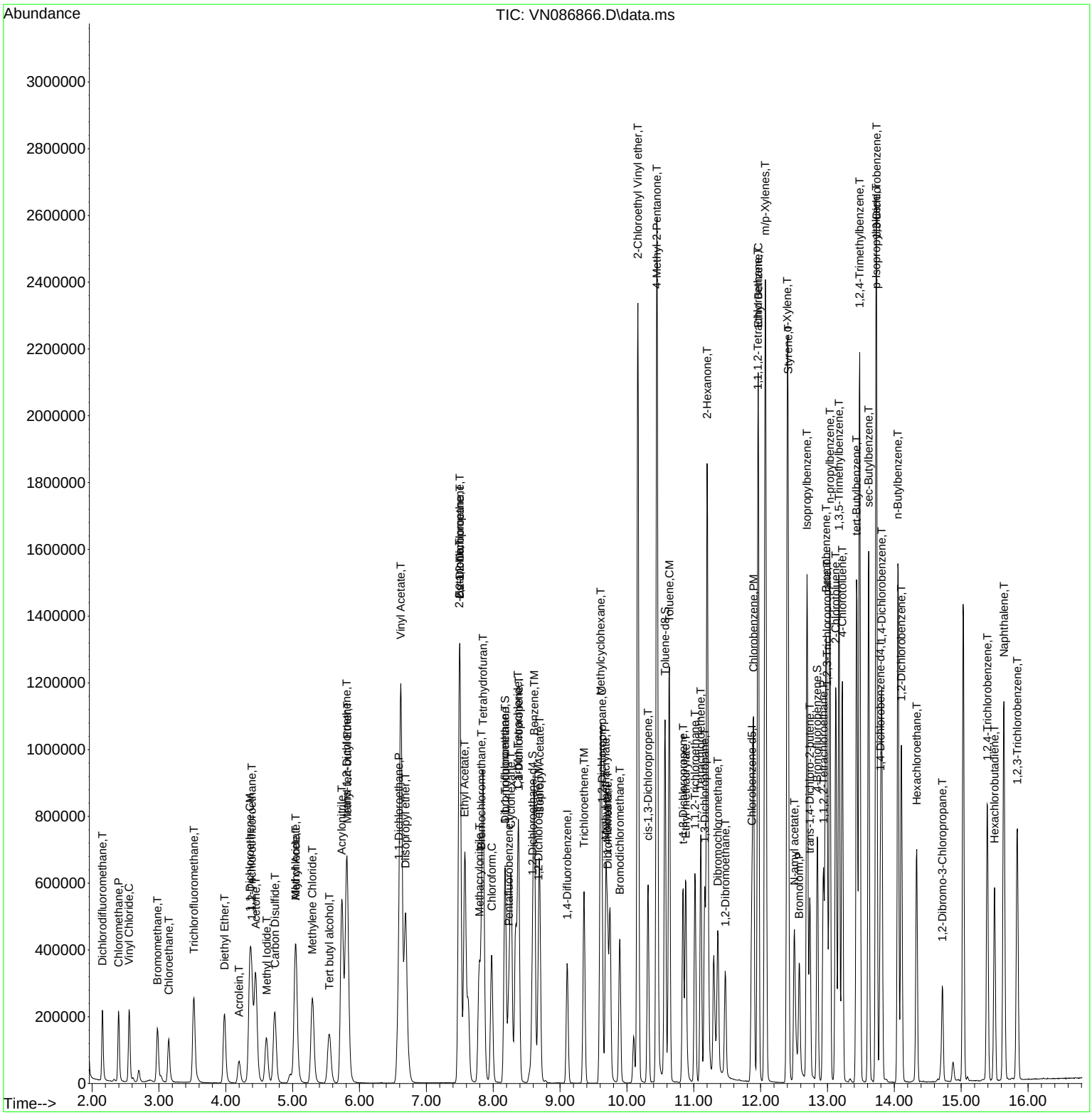
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	172832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	278552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	389297	168.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 336.460%#			
35) Dibromofluoromethane	8.176	113	324474	177.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 355.600%#			
50) Toluene-d8	10.570	98	1272348	176.120	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 352.240%#			
62) 4-Bromofluorobenzene	12.847	95	481421	179.364	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 358.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	262143	152.122	ug/l	100
3) Chloromethane	2.394	50	304558	136.865	ug/l	100
4) Vinyl Chloride	2.553	62	335834	146.303	ug/l	100
5) Bromomethane	2.965	94	190786	148.522	ug/l	98
6) Chloroethane	3.136	64	208568	140.664	ug/l	96
7) Trichlorofluoromethane	3.518	101	427871	142.666	ug/l	100
8) Diethyl Ether	3.983	74	191555	146.593	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.388	101	269810	143.192	ug/l	100
10) Methyl Iodide	4.606	142	352020	144.118	ug/l	99
11) Tert butyl alcohol	5.553	59	430866	686.213	ug/l	100
12) 1,1-Dichloroethene	4.353	96	273388	142.118	ug/l	98
13) Acrolein	4.194	56	171625	863.526	ug/l	99
14) Allyl chloride	5.035	41	490852	153.858	ug/l	92
15) Acrylonitrile	5.735	53	1048372	714.344	ug/l	99
16) Acetone	4.447	43	819041	667.435	ug/l	100
17) Carbon Disulfide	4.730	76	742788	139.594	ug/l	100
18) Methyl Acetate	5.041	43	523996	146.527	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	998781	143.396	ug/l	99
20) Methylene Chloride	5.300	84	311597	135.628	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	290960	135.947	ug/l	97
22) Diisopropyl ether	6.688	45	947638	140.915	ug/l	98
23) Vinyl Acetate	6.618	43	3932872	692.189	ug/l	99
24) 1,1-Dichloroethane	6.582	63	540881	139.761	ug/l	99
25) 2-Butanone	7.494	43	1381940	692.809	ug/l	99
26) 2,2-Dichloropropane	7.500	77	450112	149.519	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	363398	141.974	ug/l	99
28) Bromochloromethane	7.824	49	290594	152.718	ug/l	98
29) Tetrahydrofuran	7.847	42	898159	691.211	ug/l	98
30) Chloroform	7.976	83	534038	138.179	ug/l	97
31) Cyclohexane	8.265	56	505795	134.766	ug/l	96
32) 1,1,1-Trichloroethane	8.176	97	462854	140.807	ug/l	99
36) 1,1-Dichloropropene	8.376	75	393166	144.584	ug/l	100
37) Ethyl Acetate	7.571	43	494000	142.706	ug/l	99
38) Carbon Tetrachloride	8.371	117	388595	145.557	ug/l	98
39) Methylcyclohexane	9.606	83	544437	146.136	ug/l	97
40) Benzene	8.612	78	1266139	142.388	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.788	41	276400	142.174 ug/l	98
42) 1,2-Dichloroethane	8.676	62	381516	141.455 ug/l	100
43) Isopropyl Acetate	8.694	43	780791	140.531 ug/l	99
44) Trichloroethene	9.359	130	302548	143.490 ug/l	96
45) 1,2-Dichloropropane	9.623	63	309047	142.856 ug/l	100
46) Dibromomethane	9.712	93	208461	145.074 ug/l	100
47) Bromodichloromethane	9.894	83	430011	145.449 ug/l	100
48) Methyl methacrylate	9.688	41	366967	143.502 ug/l	99
49) 1,4-Dioxane	9.712	88	138035	2967.116 ug/l #	100
51) 4-Methyl-2-Pentanone	10.447	43	2438311	728.995 ug/l	98
52) Toluene	10.635	92	793270	145.976 ug/l	100
53) t-1,3-Dichloropropene	10.841	75	489809	148.163 ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	518092	146.469 ug/l	99
55) 1,1,2-Trichloroethane	11.017	97	298151	142.588 ug/l	99
56) Ethyl methacrylate	10.876	69	533912	160.311 ug/l	98
57) 1,3-Dichloropropane	11.165	76	516391	142.363 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	1869543	941.147 ug/l	99
59) 2-Hexanone	11.200	43	1735777	805.662 ug/l	99
60) Dibromochloromethane	11.365	129	322064	147.832 ug/l	98
61) 1,2-Dibromoethane	11.470	107	314606	146.790 ug/l	99
64) Tetrachloroethene	11.106	164	245122	139.048 ug/l	97
65) Chlorobenzene	11.894	112	860345	140.041 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	282739	143.171 ug/l	99
67) Ethyl Benzene	11.964	91	1517883	143.438 ug/l	98
68) m/p-Xylenes	12.070	106	1175378	290.155 ug/l	99
69) o-Xylene	12.400	106	566301	145.966 ug/l	100
70) Styrene	12.411	104	972318	146.459 ug/l	100
71) Bromoform	12.582	173	223200	152.538 ug/l #	99
73) Isopropylbenzene	12.694	105	1453651	146.042 ug/l	100
74) N-amyl acetate	12.500	43	543747	164.596 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	474426	140.693 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	468041m	143.665 ug/l	
77) Bromobenzene	12.982	156	335734	147.077 ug/l	98
78) n-propylbenzene	13.035	91	1769694	146.301 ug/l	99
79) 2-Chlorotoluene	13.123	91	1046916	144.317 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	1210325	147.279 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	216253	153.277 ug/l	95
82) 4-Chlorotoluene	13.223	91	1063581	144.900 ug/l	100
83) tert-Butylbenzene	13.435	119	1093406	145.352 ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	1216529	147.626 ug/l	100
85) sec-Butylbenzene	13.617	105	1582762	144.885 ug/l	99
86) p-Isopropyltoluene	13.729	119	1322780	146.482 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	641966	142.939 ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	646188	141.124 ug/l	99
89) n-Butylbenzene	14.053	91	1251819	143.117 ug/l	100
90) Hexachloroethane	14.335	117	230195	150.387 ug/l	98
91) 1,2-Dichlorobenzene	14.105	146	613177	142.108 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	110677	137.242 ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	407621	147.940 ug/l	99
94) Hexachlorobutadiene	15.500	225	151172	147.264 ug/l	98
95) Naphthalene	15.641	128	1545981	150.743 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	404450	147.743 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 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

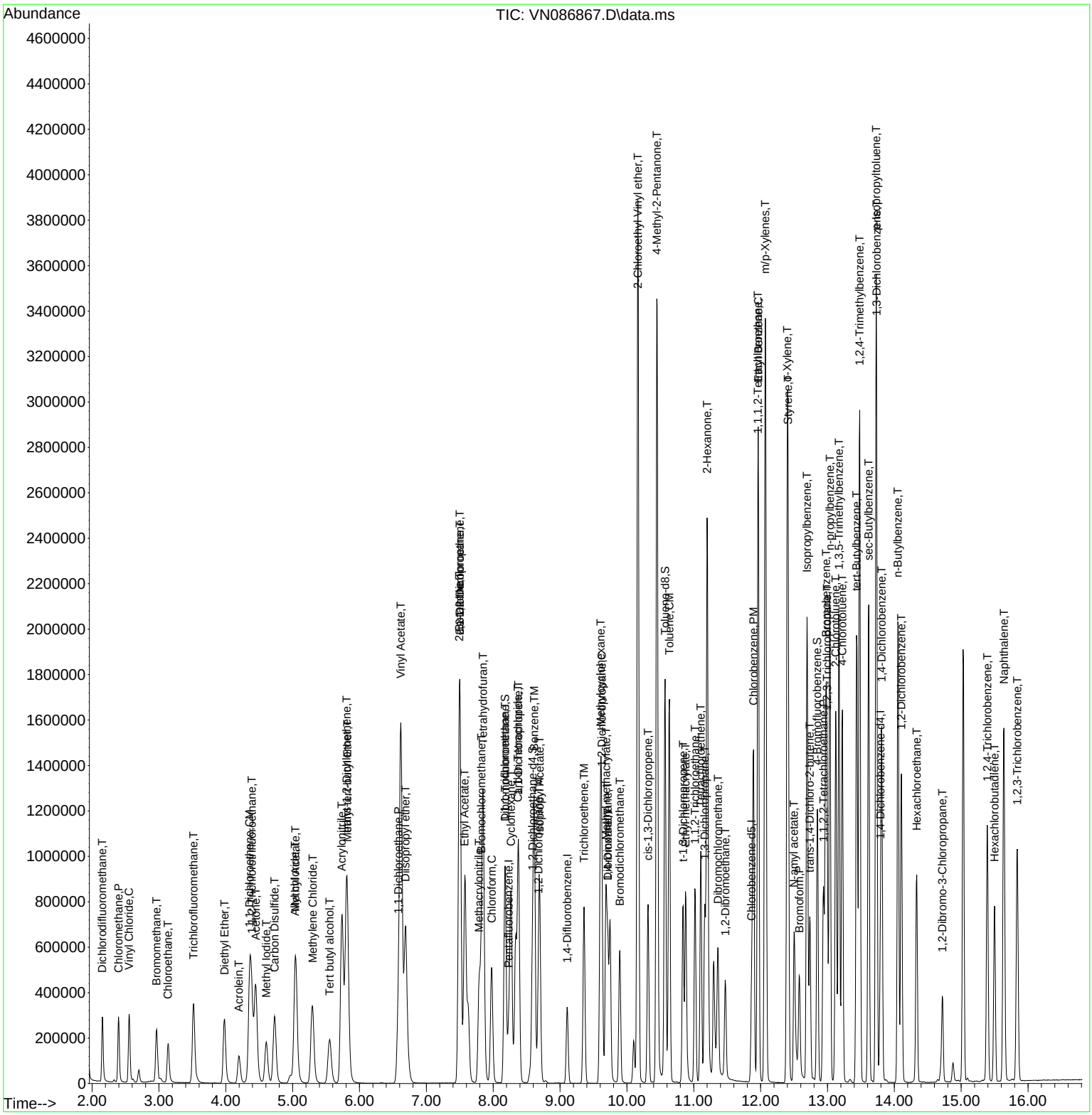
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	218122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	394140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	172710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	152255	52.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.260%			
35) Dibromofluoromethane	8.177	113	127102	54.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.840%			
50) Toluene-d8	10.571	98	491265	53.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.260%			
62) 4-Bromofluorobenzene	12.847	95	185792	54.081	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	120237	55.286	ug/l	99
3) Chloromethane	2.401	50	139027	49.505	ug/l	99
4) Vinyl Chloride	2.554	62	151951	52.451	ug/l	99
5) Bromomethane	2.989	94	89638	55.292	ug/l	95
6) Chloroethane	3.154	64	95654	51.117	ug/l	96
7) Trichlorofluoromethane	3.524	101	196138	51.819	ug/l	97
8) Diethyl Ether	3.983	74	87405	53.001	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	127498	53.615	ug/l	99
10) Methyl Iodide	4.612	142	164080	53.227	ug/l	97
11) Tert butyl alcohol	5.542	59	207768	262.193	ug/l	99
12) 1,1-Dichloroethene	4.359	96	125461	51.678	ug/l	99
13) Acrolein	4.195	56	60336	240.545	ug/l	98
14) Allyl chloride	5.042	41	203344	50.504	ug/l	98
15) Acrylonitrile	5.736	53	479502	258.885	ug/l	100
16) Acetone	4.448	43	382146	246.750	ug/l	98
17) Carbon Disulfide	4.736	76	339466	50.550	ug/l	100
18) Methyl Acetate	5.042	43	234290	51.912	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	454641	51.720	ug/l	100
20) Methylene Chloride	5.295	84	143862	49.617	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	133535	49.437	ug/l	99
22) Diisopropyl ether	6.689	45	440080	51.853	ug/l	99
23) Vinyl Acetate	6.618	43	1828919	255.055	ug/l	99
24) 1,1-Dichloroethane	6.589	63	251473	51.487	ug/l	98
25) 2-Butanone	7.494	43	644194	255.897	ug/l	99
26) 2,2-Dichloropropane	7.500	77	216678	57.031	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	164985	51.073	ug/l	99
28) Bromochloromethane	7.824	49	108810	45.310	ug/l	99
29) Tetrahydrofuran	7.847	42	420891	256.656	ug/l	100
30) Chloroform	7.977	83	248429	50.933	ug/l	97
31) Cyclohexane	8.265	56	237836	50.212	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	209927	50.603	ug/l	97
36) 1,1-Dichloropropene	8.377	75	181414	52.123	ug/l	99
37) Ethyl Acetate	7.571	43	222090	50.125	ug/l	99
38) Carbon Tetrachloride	8.371	117	179281	52.466	ug/l	98
39) Methylcyclohexane	9.606	83	251231	52.686	ug/l	98
40) Benzene	8.612	78	579667	50.931	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	130903	52.607	ug/l		100
42) 1,2-Dichloroethane	8.677	62	177746	51.489	ug/l		100
43) Isopropyl Acetate	8.694	43	359378	50.536	ug/l		100
44) Trichloroethene	9.359	130	139763	51.788	ug/l		100
45) 1,2-Dichloropropane	9.624	63	142463	51.450	ug/l		99
46) Dibromomethane	9.712	93	97199	52.849	ug/l		98
47) Bromodichloromethane	9.894	83	196104	51.824	ug/l		100
48) Methyl methacrylate	9.688	41	168001	51.328	ug/l		98
49) 1,4-Dioxane	9.706	88	66102	1110.123	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	1146622	267.835	ug/l		99
52) Toluene	10.635	92	361963	52.040	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	224839	53.137	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	237774	52.519	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	137998	51.562	ug/l		99
56) Ethyl methacrylate	10.882	69	241649	56.688	ug/l		98
57) 1,3-Dichloropropane	11.165	76	238572	51.386	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	625479	246.006	ug/l		100
59) 2-Hexanone	11.200	43	781717	283.478	ug/l		100
60) Dibromochloromethane	11.359	129	146749	52.627	ug/l		99
61) 1,2-Dibromoethane	11.471	107	142338	51.887	ug/l		99
64) Tetrachloroethene	11.106	164	111409	50.450	ug/l		98
65) Chlorobenzene	11.894	112	391661	50.892	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	129045	52.164	ug/l		99
67) Ethyl Benzene	11.965	91	683879	51.590	ug/l		98
68) m/p-Xylenes	12.071	106	527293	103.912	ug/l		98
69) o-Xylene	12.400	106	254600	52.387	ug/l		100
70) Styrene	12.412	104	438751	52.758	ug/l		99
71) Bromoform	12.582	173	100357	54.751	ug/l	#	99
73) Isopropylbenzene	12.694	105	652045	51.823	ug/l		100
74) N-amyl acetate	12.506	43	238355	54.212	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.941	83	220643	51.763	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	220957m	53.821	ug/l		
77) Bromobenzene	12.982	156	150950	52.313	ug/l		100
78) n-propylbenzene	13.035	91	801180	52.397	ug/l		100
79) 2-Chlorotoluene	13.123	91	473629	51.650	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	548347	52.787	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	99341	55.702	ug/l		97
82) 4-Chlorotoluene	13.223	91	481403	51.884	ug/l		99
83) tert-Butylbenzene	13.441	119	499519	52.532	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	552333	53.024	ug/l		100
85) sec-Butylbenzene	13.618	105	723986	52.428	ug/l		100
86) p-Isopropyltoluene	13.729	119	606979	53.174	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	290810	51.224	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	298412	51.557	ug/l		100
89) n-Butylbenzene	14.059	91	579636	52.424	ug/l		100
90) Hexachloroethane	14.335	117	102254	52.847	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	280025	51.340	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	50115	49.161	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	181064	51.986	ug/l		99
94) Hexachlorobutadiene	15.500	225	68570	52.843	ug/l		99
95) Naphthalene	15.641	128	674187	52.005	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	174888	50.539	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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

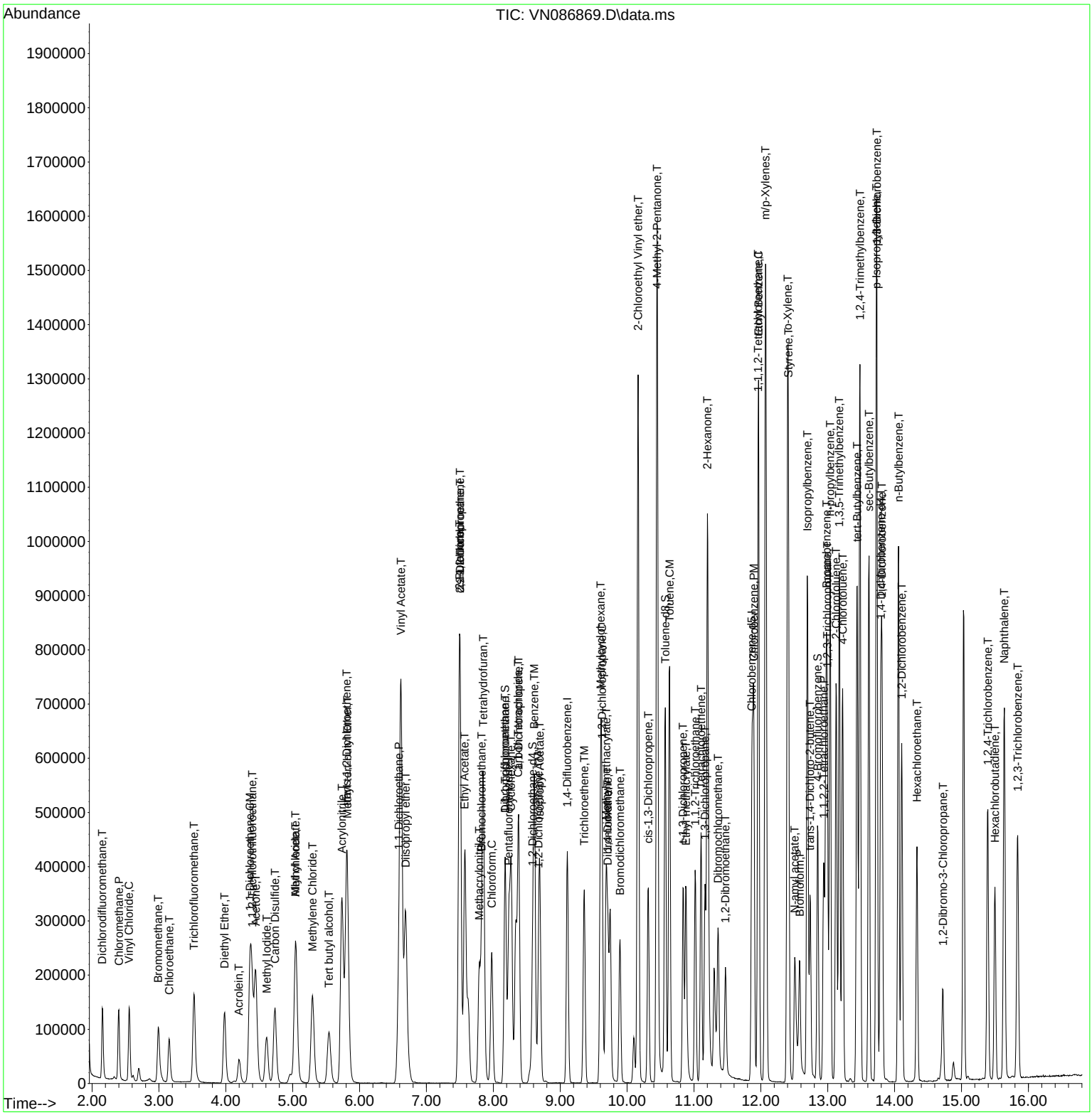
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	105	0.00
2	T	Dichlorodifluoromethane	0.499	0.551	-10.4	116	0.00
3	P	Chloromethane	0.644	0.637	1.1	112	0.00
4	C	Vinyl Chloride	0.664	0.697	-5.0#	114	0.00
5	T	Bromomethane	0.372	0.411	-10.5	121	0.00
6	T	Chloroethane	0.429	0.439	-2.3	113	0.00
7	T	Trichlorofluoromethane	0.868	0.899	-3.6	113	0.00
8	T	Diethyl Ether	0.378	0.401	-6.1	116	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.545	0.585	-7.3	118	0.00
10	T	Methyl Iodide	0.707	0.752	-6.4	116	0.00
11	T	Tert butyl alcohol	0.182	0.191	-4.9	114	0.00
12	CM	1,1-Dichloroethene	0.557	0.575	-3.2#	113	0.00
13	T	Acrolein	0.057	0.055	3.5	128	0.00
14	T	Allyl chloride	0.923	0.932	-1.0	113	0.00
15	T	Acrylonitrile	0.425	0.440	-3.5	114	0.00
16	T	Acetone	0.355	0.350	1.4	114	0.00
17	T	Carbon Disulfide	1.539	1.556	-1.1	115	0.00
18	T	Methyl Acetate	1.035	1.074	-3.8	115	0.00
19	T	Methyl tert-butyl Ether	2.015	2.084	-3.4	113	0.00
20	T	Methylene Chloride	0.665	0.660	0.8	115	0.00
21	T	trans-1,2-Dichloroethene	0.619	0.612	1.1	113	0.00
22	T	Diisopropyl ether	1.945	2.018	-3.8	114	0.00
23	T	Vinyl Acetate	1.644	1.677	-2.0	111	0.00
24	P	1,1-Dichloroethane	1.120	1.153	-2.9	114	0.00
25	T	2-Butanone	0.577	0.591	-2.4	113	0.00
26	T	2,2-Dichloropropane	0.871	0.993	-14.0	116	0.00
27	T	cis-1,2-Dichloroethene	0.740	0.756	-2.2	114	0.00
28	T	Bromochloromethane	0.550	0.499	9.3	113	0.00
29	T	Tetrahydrofuran	0.376	0.386	-2.7	113	0.00
30	C	Chloroform	1.118	1.139	-1.9#	113	0.00
31	T	Cyclohexane	1.086	1.090	-0.4	114	0.00
32	T	1,1,1-Trichloroethane	0.951	0.962	-1.2	113	0.00
33	S	1,2-Dichloroethane-d4	0.669	0.698	-4.3	147	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.296	0.322	-8.8	153#	0.00
36	T	1,1-Dichloropropene	0.442	0.460	-4.1	115	0.00
37	T	Ethyl Acetate	0.562	0.563	-0.2	109	0.00
38	T	Carbon Tetrachloride	0.433	0.455	-5.1	116	0.00
39	T	Methylcyclohexane	0.605	0.637	-5.3	116	0.00
40	TM	Benzene	1.444	1.471	-1.9	114	0.00
41	T	Methacrylonitrile	0.316	0.332	-5.1	114	0.00
42	TM	1,2-Dichloroethane	0.438	0.451	-3.0	114	0.00
43	T	Isopropyl Acetate	0.902	0.912	-1.1	111	0.00
44	TM	Trichloroethene	0.342	0.355	-3.8	113	0.00
45	C	1,2-Dichloropropane	0.351	0.361	-2.8#	113	0.00
46	T	Dibromomethane	0.233	0.247	-6.0	116	0.00
47	T	Bromodichloromethane	0.480	0.498	-3.8	113	0.00
48	T	Methyl methacrylate	0.415	0.426	-2.7	113	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	0.008	0.008	0.0	112	0.00
50	S	Toluene-d8	1.173	1.246	-6.2	151#	0.00
51	T	4-Methyl-2-Pentanone	0.543	0.582	-7.2	113	0.00
52	CM	Toluene	0.882	0.918	-4.1#	114	0.00
53	T	t-1,3-Dichloropropene	0.537	0.570	-6.1	114	0.00
54	T	cis-1,3-Dichloropropene	0.574	0.603	-5.1	114	0.00
55	T	1,1,2-Trichloroethane	0.340	0.350	-2.9	113	0.00
56	T	Ethyl methacrylate	0.541	0.613	-13.3	115	0.00
57	T	1,3-Dichloropropane	0.589	0.605	-2.7	112	0.00
58	T	2-Chloroethyl Vinyl ether	0.323	0.317	1.9	120	0.00
59	T	2-Hexanone	0.350	0.397	-13.4	112	0.00
60	T	Dibromochloromethane	0.354	0.372	-5.1	114	0.00
61	T	1,2-Dibromoethane	0.348	0.361	-3.7	114	0.00
62	S	4-Bromofluorobenzene	0.436	0.471	-8.0	151#	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.316	0.319	-0.9	114	0.00
65	PM	Chlorobenzene	1.103	1.122	-1.7	115	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.370	-4.5	115	0.00
67	C	Ethyl Benzene	1.899	1.960	-3.2#	114	0.00
68	T	m/p-Xylenes	0.727	0.756	-4.0	113	0.00
69	T	o-Xylene	0.696	0.730	-4.9	114	0.00
70	T	Styrene	1.192	1.257	-5.5	113	0.00
71	P	Bromoform	0.263	0.288	-9.5	114	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.643	3.775	-3.6	114	0.00
74	T	N-amyl acetate	1.273	1.380	-8.4	112	0.00
75	P	1,1,2,2-Tetrachloroethane	1.234	1.278	-3.6	112	0.00
76	T	1,2,3-Trichloropropane	1.189	1.279	-7.6	112	0.00
77	T	Bromobenzene	0.835	0.874	-4.7	114	0.00
78	T	n-propylbenzene	4.427	4.639	-4.8	114	0.00
79	T	2-Chlorotoluene	2.655	2.742	-3.3	113	0.00
80	T	1,3,5-Trimethylbenzene	3.007	3.175	-5.6	113	0.00
81	T	trans-1,4-Dichloro-2-butene	0.516	0.575	-11.4	125	0.00
82	T	4-Chlorotoluene	2.686	2.787	-3.8	114	0.00
83	T	tert-Butylbenzene	2.753	2.892	-5.0	114	0.00
84	T	1,2,4-Trimethylbenzene	3.016	3.198	-6.0	113	0.00
85	T	sec-Butylbenzene	3.998	4.192	-4.9	113	0.00
86	T	p-Isopropyltoluene	3.305	3.514	-6.3	114	0.00
87	T	1,3-Dichlorobenzene	1.644	1.684	-2.4	112	0.00
88	T	1,4-Dichlorobenzene	1.676	1.728	-3.1	113	0.00
89	T	n-Butylbenzene	3.201	3.356	-4.8	113	0.00
90	T	Hexachloroethane	0.560	0.592	-5.7	114	0.00
91	T	1,2-Dichlorobenzene	1.579	1.621	-2.7	111	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.295	0.290	1.7	110	0.00
93	T	1,2,4-Trichlorobenzene	1.008	1.048	-4.0	112	0.00
94	T	Hexachlorobutadiene	0.376	0.397	-5.6	113	0.00
95	T	Naphthalene	3.753	3.904	-4.0	112	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	1.002	1.013	-1.1	110	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\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	105	0.00
2	T	Dichlorodifluoromethane	50.000	55.286	-10.6	116	0.00
3	P	Chloromethane	50.000	49.505	1.0	112	0.00
4	C	Vinyl Chloride	50.000	52.451	-4.9#	114	0.00
5	T	Bromomethane	50.000	55.292	-10.6	121	0.00
6	T	Chloroethane	50.000	51.117	-2.2	113	0.00
7	T	Trichlorofluoromethane	50.000	51.819	-3.6	113	0.00
8	T	Diethyl Ether	50.000	53.001	-6.0	116	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.615	-7.2	118	0.00
10	T	Methyl Iodide	50.000	53.227	-6.5	116	0.00
11	T	Tert butyl alcohol	250.000	262.193	-4.9	114	0.00
12	CM	1,1-Dichloroethene	50.000	51.678	-3.4#	113	0.00
13	T	Acrolein	250.000	240.545	3.8	128	0.00
14	T	Allyl chloride	50.000	50.504	-1.0	113	0.00
15	T	Acrylonitrile	250.000	258.885	-3.6	114	0.00
16	T	Acetone	250.000	246.750	1.3	114	0.00
17	T	Carbon Disulfide	50.000	50.550	-1.1	115	0.00
18	T	Methyl Acetate	50.000	51.912	-3.8	115	0.00
19	T	Methyl tert-butyl Ether	50.000	51.720	-3.4	113	0.00
20	T	Methylene Chloride	50.000	49.617	0.8	115	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.437	1.1	113	0.00
22	T	Diisopropyl ether	50.000	51.853	-3.7	114	0.00
23	T	Vinyl Acetate	250.000	255.055	-2.0	111	0.00
24	P	1,1-Dichloroethane	50.000	51.487	-3.0	114	0.00
25	T	2-Butanone	250.000	255.897	-2.4	113	0.00
26	T	2,2-Dichloropropane	50.000	57.031	-14.1	116	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.073	-2.1	114	0.00
28	T	Bromochloromethane	50.000	45.310	9.4	113	0.00
29	T	Tetrahydrofuran	250.000	256.656	-2.7	113	0.00
30	C	Chloroform	50.000	50.933	-1.9#	113	0.00
31	T	Cyclohexane	50.000	50.212	-0.4	114	0.00
32	T	1,1,1-Trichloroethane	50.000	50.603	-1.2	113	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.135	-4.3	147	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	54.416	-8.8	153	0.00
36	T	1,1-Dichloropropene	50.000	52.123	-4.2	115	0.00
37	T	Ethyl Acetate	50.000	50.125	-0.3	109	0.00
38	T	Carbon Tetrachloride	50.000	52.466	-4.9	116	0.00
39	T	Methylcyclohexane	50.000	52.686	-5.4	116	0.00
40	TM	Benzene	50.000	50.931	-1.9	114	0.00
41	T	Methacrylonitrile	50.000	52.607	-5.2	114	0.00
42	TM	1,2-Dichloroethane	50.000	51.489	-3.0	114	0.00
43	T	Isopropyl Acetate	50.000	50.536	-1.1	111	0.00
44	TM	Trichloroethene	50.000	51.788	-3.6	113	0.00
45	C	1,2-Dichloropropane	50.000	51.450	-2.9#	113	0.00
46	T	Dibromomethane	50.000	52.849	-5.7	116	0.00
47	T	Bromodichloromethane	50.000	51.824	-3.6	113	0.00
48	T	Methyl methacrylate	50.000	51.328	-2.7	113	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	1110.123	-11.0	112	0.00
50	S	Toluene-d8	50.000	53.129	-6.3	151	0.00
51	T	4-Methyl-2-Pentanone	250.000	267.835	-7.1	113	0.00
52	CM	Toluene	50.000	52.040	-4.1#	114	0.00
53	T	t-1,3-Dichloropropene	50.000	53.137	-6.3	114	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.519	-5.0	114	0.00
55	T	1,1,2-Trichloroethane	50.000	51.562	-3.1	113	0.00
56	T	Ethyl methacrylate	50.000	56.688	-13.4	115	0.00
57	T	1,3-Dichloropropane	50.000	51.386	-2.8	112	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	246.006	1.6	120	0.00
59	T	2-Hexanone	250.000	283.478	-13.4	112	0.00
60	T	Dibromochloromethane	50.000	52.627	-5.3	114	0.00
61	T	1,2-Dibromoethane	50.000	51.887	-3.8	114	0.00
62	S	4-Bromofluorobenzene	50.000	54.081	-8.2	151	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	50.450	-0.9	114	0.00
65	PM	Chlorobenzene	50.000	50.892	-1.8	115	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.164	-4.3	115	0.00
67	C	Ethyl Benzene	50.000	51.590	-3.2#	114	0.00
68	T	m/p-Xylenes	100.000	103.912	-3.9	113	0.00
69	T	o-Xylene	50.000	52.387	-4.8	114	0.00
70	T	Styrene	50.000	52.758	-5.5	113	0.00
71	P	Bromoform	50.000	54.751	-9.5	114	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	51.823	-3.6	114	0.00
74	T	N-amyl acetate	50.000	54.212	-8.4	112	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.763	-3.5	112	0.00
76	T	1,2,3-Trichloropropane	50.000	53.821	-7.6	112	0.00
77	T	Bromobenzene	50.000	52.313	-4.6	114	0.00
78	T	n-propylbenzene	50.000	52.397	-4.8	114	0.00
79	T	2-Chlorotoluene	50.000	51.650	-3.3	113	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.787	-5.6	113	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.702	-11.4	125	0.00
82	T	4-Chlorotoluene	50.000	51.884	-3.8	114	0.00
83	T	tert-Butylbenzene	50.000	52.532	-5.1	114	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.024	-6.0	113	0.00
85	T	sec-Butylbenzene	50.000	52.428	-4.9	113	0.00
86	T	p-Isopropyltoluene	50.000	53.174	-6.3	114	0.00
87	T	1,3-Dichlorobenzene	50.000	51.224	-2.4	112	0.00
88	T	1,4-Dichlorobenzene	50.000	51.557	-3.1	113	0.00
89	T	n-Butylbenzene	50.000	52.424	-4.8	113	0.00
90	T	Hexachloroethane	50.000	52.847	-5.7	114	0.00
91	T	1,2-Dichlorobenzene	50.000	51.340	-2.7	111	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.161	1.7	110	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.986	-4.0	112	0.00
94	T	Hexachlorobutadiene	50.000	52.843	-5.7	113	0.00
95	T	Naphthalene	50.000	52.005	-4.0	112	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	50.539	-1.1	110	0.00

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

Raw Data: **VN087181.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG No.: Q2409

Instrument ID: MSVOA_N Calibration Date/Time: 06/26/2025 09:50

Lab File ID: VN087181.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.664	0.690		3.92	20
1,1-Dichloroethene	0.557	0.472		-15.26	20
2-Butanone	0.577	0.656		13.69	20
Carbon Tetrachloride	0.433	0.532		22.86	20
Chloroform	1.118	1.334		19.32	20
Benzene	1.444	1.725		19.46	20
1,2-Dichloroethane	0.438	0.565		29	20
Trichloroethene	0.342	0.400		16.96	20
Tetrachloroethene	0.316	0.341		7.91	20
Chlorobenzene	1.103	1.276	0.3	15.68	20
1,2-Dichloroethane-d4	0.669	0.704		5.23	20
Dibromofluoromethane	0.296	0.323		9.12	20
Toluene-d8	1.173	1.166		-0.6	20
4-Bromofluorobenzene	0.436	0.448		2.75	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\VN062625\
Data File : VN087181.D
Acq On : 26 Jun 2025 09:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 01:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/27/2025
Supervised By :Mahesh Dadoda 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	154123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	273928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	108564	52.611	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.220%			
35) Dibromofluoromethane	8.177	113	88562	54.555	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.100%			
50) Toluene-d8	10.565	98	319406	49.702	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.400%			
62) 4-Bromofluorobenzene	12.847	95	122784	51.425	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	95412	62.089	ug/l	99
3) Chloromethane	2.395	50	95873	48.314	ug/l	100
4) Vinyl Chloride	2.553	62	106288	51.924	ug/l	99
5) Bromomethane	2.989	94	49630	43.326	ug/l	96
6) Chloroethane	3.153	64	49419	37.375	ug/l	98
7) Trichlorofluoromethane	3.530	101	110462	41.302	ug/l	97
8) Diethyl Ether	3.983	74	44083	37.831	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.400	101	79406	47.258	ug/l	100
10) Methyl Iodide	4.612	142	65244	29.953	ug/l	97
11) Tert butyl alcohol	5.536	59	134359	239.961	ug/l	100
12) 1,1-Dichloroethene	4.371	96	72729	42.397	ug/l	98
13) Acrolein	4.200	56	16867	95.168	ug/l	97
14) Allyl chloride	5.047	41	158498	55.712	ug/l	95
15) Acrylonitrile	5.736	53	377541	288.478	ug/l	99
16) Acetone	4.442	43	260172	237.750	ug/l	97
17) Carbon Disulfide	4.736	76	224089	47.226	ug/l	99
18) Methyl Acetate	5.042	43	172812	54.190	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	363052	58.451	ug/l	98
20) Methylene Chloride	5.300	84	116069	56.654	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	109895	57.580	ug/l	99
22) Diisopropyl ether	6.683	45	368016	61.367	ug/l	97
23) Vinyl Acetate	6.618	43	1623414	320.406	ug/l	98
24) 1,1-Dichloroethane	6.583	63	211146	61.182	ug/l	98
25) 2-Butanone	7.488	43	505469	284.168	ug/l	98
26) 2,2-Dichloropropane	7.500	77	187872	69.983	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	133173	58.344	ug/l	95
28) Bromochloromethane	7.824	49	85875	50.609	ug/l	96
29) Tetrahydrofuran	7.847	42	331490	286.078	ug/l	97
30) Chloroform	7.977	83	205566	59.645	ug/l	100
31) Cyclohexane	8.265	56	176500	52.736	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	173980	59.352	ug/l	98
36) 1,1-Dichloropropene	8.377	75	149017	61.603	ug/l	98
37) Ethyl Acetate	7.571	43	192772	62.602	ug/l	97
38) Carbon Tetrachloride	8.371	117	145730	61.364	ug/l	99
39) Methylcyclohexane	9.606	83	169260	51.073	ug/l	100
40) Benzene	8.612	78	472508	59.735	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087181.D
Acq On : 26 Jun 2025 09:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 01:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/27/2025
Supervised By :Mahesh Dadoda 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	103693	59.959	ug/l		98
42) 1,2-Dichloroethane	8.677	62	154680	64.471	ug/l		97
43) Isopropyl Acetate	8.694	43	295454	59.780	ug/l		99
44) Trichloroethene	9.353	130	109561	58.413	ug/l		97
45) 1,2-Dichloropropane	9.624	63	119863	62.285	ug/l		99
46) Dibromomethane	9.712	93	79171	61.938	ug/l		98
47) Bromodichloromethane	9.888	83	164179	62.427	ug/l		100
48) Methyl methacrylate	9.682	41	138091	60.705	ug/l		96
49) 1,4-Dioxane	9.700	88	39257	948.610	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	933927	313.887	ug/l		97
52) Toluene	10.629	92	290716	60.139	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	183061	62.249	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	195614	62.168	ug/l		94
55) 1,1,2-Trichloroethane	11.018	97	111460	59.923	ug/l		98
56) Ethyl methacrylate	10.876	69	187639	63.335	ug/l		98
57) 1,3-Dichloropropane	11.165	76	195875	60.705	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	503254	284.796	ug/l		98
59) 2-Hexanone	11.200	43	612004	319.329	ug/l		100
60) Dibromochloromethane	11.359	129	120564	62.211	ug/l		99
61) 1,2-Dibromoethane	11.470	107	114137	59.866	ug/l		98
64) Tetrachloroethene	11.100	164	84998	53.872	ug/l		98
65) Chlorobenzene	11.888	112	318064	57.845	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	106697	60.366	ug/l		98
67) Ethyl Benzene	11.965	91	552649	58.350	ug/l		99
68) m/p-Xylenes	12.070	106	423286	116.750	ug/l		98
69) o-Xylene	12.394	106	203535	58.616	ug/l		98
70) Styrene	12.412	104	355472	59.825	ug/l		99
71) Bromoform	12.576	173	81387	62.145	ug/l	#	99
73) Isopropylbenzene	12.694	105	518199	55.100	ug/l		100
74) N-amyl acetate	12.517	43	162979m	49.592	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	183281	57.525	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	150657m	49.096	ug/l		
77) Bromobenzene	12.976	156	121969	56.551	ug/l		97
78) n-propylbenzene	13.035	91	636602	55.700	ug/l		100
79) 2-Chlorotoluene	13.123	91	379482	55.365	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	427521	55.060	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	69955	52.477	ug/l		96
82) 4-Chlorotoluene	13.217	91	397718	57.347	ug/l		99
83) tert-Butylbenzene	13.435	119	367939	51.767	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	441855	56.749	ug/l		99
85) sec-Butylbenzene	13.612	105	533037	51.642	ug/l		100
86) p-Isopropyltoluene	13.729	119	433993	50.865	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	236401	55.709	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	247915	57.303	ug/l		99
89) n-Butylbenzene	14.053	91	410039	49.615	ug/l		98
90) Hexachloroethane	14.329	117	82433	56.997	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	231532	56.791	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	39178	51.417	ug/l		93
93) 1,2,4-Trichlorobenzene	15.388	180	131272	50.424	ug/l		98
94) Hexachlorobutadiene	15.500	225	36257	37.381	ug/l		96
95) Naphthalene	15.635	128	492717	50.847	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	128140	49.541	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087181.D
Acq On : 26 Jun 2025 09:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 01:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/27/2025
Supervised By :Mahesh Dadoda 06/27/2025

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

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

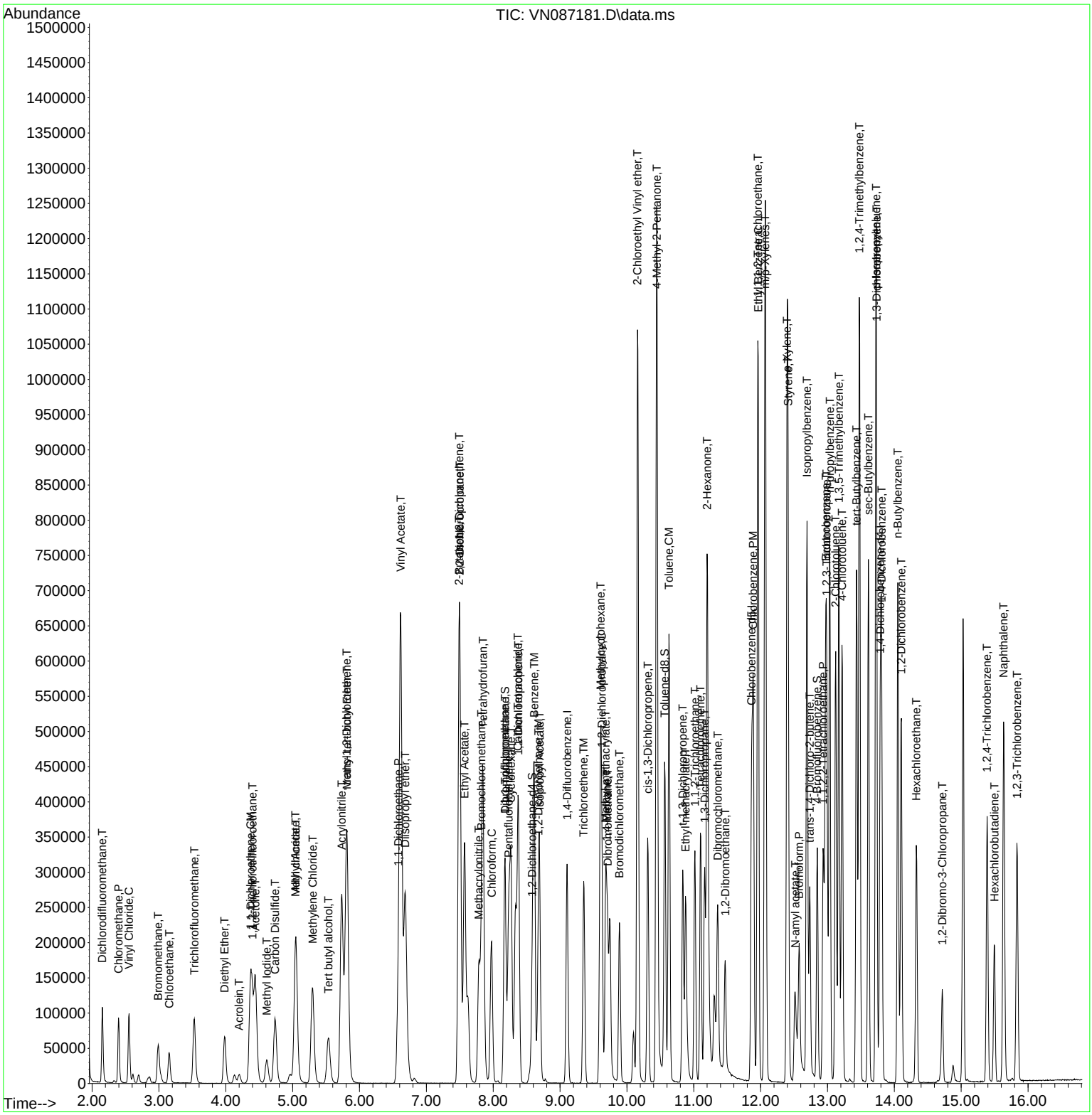
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087181.D
Acq On : 26 Jun 2025 09:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 27 01:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/27/2025
Supervised By :Mahesh Dadoda 06/27/2025



Sample Results: **VN087181.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087181.D
Acq On : 26 Jun 2025 09:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 27 01:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	74	0.00
2	T	Dichlorodifluoromethane	0.499	0.619	-24.0	92	0.00
3	P	Chloromethane	0.644	0.622	3.4	77	0.00
4	C	Vinyl Chloride	0.664	0.690	-3.9#	80	0.00
5	T	Bromomethane	0.372	0.322	13.4	67	0.00
6	T	Chloroethane	0.429	0.321	25.2#	58	0.00
7	T	Trichlorofluoromethane	0.868	0.717	17.4	64	0.00
8	T	Diethyl Ether	0.378	0.286	24.3	59	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.545	0.515	5.5	74	0.00
10	T	Methyl Iodide	0.707	0.423	40.2#	46#	0.00
11	T	Tert butyl alcohol	0.182	0.174	4.4	74	-0.01
12	CM	1,1-Dichloroethene	0.557	0.472	15.3#	66	0.01
13	T	Acrolein	0.057	0.022	61.4#	36#	0.00
14	T	Allyl chloride	0.923	1.028	-11.4	88	0.00
15	T	Acrylonitrile	0.425	0.490	-15.3	89	0.00
16	T	Acetone	0.355	0.338	4.8	78	0.00
17	T	Carbon Disulfide	1.539	1.454	5.5	76	0.00
18	T	Methyl Acetate	1.035	1.121	-8.3	84	0.00
19	T	Methyl tert-butyl Ether	2.015	2.356	-16.9	91	0.00
20	T	Methylene Chloride	0.665	0.753	-13.2	92	0.00
21	T	trans-1,2-Dichloroethene	0.619	0.713	-15.2	93	0.00
22	T	Diisopropyl ether	1.945	2.388	-22.8	96	0.00
23	T	Vinyl Acetate	1.644	2.107	-28.2#	98	0.00
24	P	1,1-Dichloroethane	1.120	1.370	-22.3	96	0.00
25	T	2-Butanone	0.577	0.656	-13.7	88	0.00
26	T	2,2-Dichloropropane	0.871	1.219	-40.0#	100	0.00
27	T	cis-1,2-Dichloroethene	0.740	0.864	-16.8	92	0.00
28	T	Bromochloromethane	0.550	0.557	-1.3	89	0.00
29	T	Tetrahydrofuran	0.376	0.430	-14.4	89	0.00
30	C	Chloroform	1.118	1.334	-19.3#	93	0.00
31	T	Cyclohexane	1.086	1.145	-5.4	85	0.00
32	T	1,1,1-Trichloroethane	0.951	1.129	-18.7	94	0.00
33	S	1,2-Dichloroethane-d4	0.669	0.704	-5.2	105	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	72	0.00
35	S	Dibromofluoromethane	0.296	0.323	-9.1	107	0.00
36	T	1,1-Dichloropropene	0.442	0.544	-23.1	94	0.00
37	T	Ethyl Acetate	0.562	0.704	-25.3#	95	0.00
38	T	Carbon Tetrachloride	0.433	0.532	-22.9	94	0.00
39	T	Methylcyclohexane	0.605	0.618	-2.1	78	0.00
40	TM	Benzene	1.444	1.725	-19.5	93	0.00
41	T	Methacrylonitrile	0.316	0.379	-19.9	90	0.00
42	TM	1,2-Dichloroethane	0.438	0.565	-29.0#	99	0.00
43	T	Isopropyl Acetate	0.902	1.079	-19.6	92	0.00
44	TM	Trichloroethene	0.342	0.400	-17.0	88	0.00
45	C	1,2-Dichloropropane	0.351	0.438	-24.8#	95	0.00
46	T	Dibromomethane	0.233	0.289	-24.0	94	0.00
47	T	Bromodichloromethane	0.480	0.599	-24.8	95	0.00
48	T	Methyl methacrylate	0.415	0.504	-21.4	93	0.00

Sample Results: **VN087181.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087181.D
Acq On : 26 Jun 2025 09:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 27 01:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	0.008	0.007	12.5	66	0.00
50	S	Toluene-d8	1.173	1.166	0.6	98	0.00
51	T	4-Methyl-2-Pentanone	0.543	0.682	-25.6#	92	0.00
52	CM	Toluene	0.882	1.061	-20.3#	92	0.00
53	T	t-1,3-Dichloropropene	0.537	0.668	-24.4	93	0.00
54	T	cis-1,3-Dichloropropene	0.574	0.714	-24.4	94	0.00
55	T	1,1,2-Trichloroethane	0.340	0.407	-19.7	91	0.00
56	T	Ethyl methacrylate	0.541	0.685	-26.6#	89	0.00
57	T	1,3-Dichloropropane	0.589	0.715	-21.4	92	0.00
58	T	2-Chloroethyl Vinyl ether	0.323	0.367	-13.6	97	0.00
59	T	2-Hexanone	0.350	0.447	-27.7#	88	0.00
60	T	Dibromochloromethane	0.354	0.440	-24.3	94	0.00
61	T	1,2-Dibromoethane	0.348	0.417	-19.8	92	0.00
62	S	4-Bromofluorobenzene	0.436	0.448	-2.8	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	75	0.00
64	T	Tetrachloroethene	0.316	0.341	-7.9	87	0.00
65	PM	Chlorobenzene	1.103	1.276	-15.7	93	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.428	-20.9	95	0.00
67	C	Ethyl Benzene	1.899	2.217	-16.7#	92	0.00
68	T	m/p-Xylenes	0.727	0.849	-16.8	91	0.00
69	T	o-Xylene	0.696	0.816	-17.2	91	0.00
70	T	Styrene	1.192	1.426	-19.6	92	0.00
71	P	Bromoform	0.263	0.326	-24.0	92	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00
73	T	Isopropylbenzene	3.643	4.014	-10.2	90	0.00
74	T	N-amyl acetate	1.273	1.262	0.9	77	0.00
75	P	1,1,2,2-Tetrachloroethane	1.234	1.420	-15.1	93	0.00
76	T	1,2,3-Trichloropropane	1.189	1.167	1.9	77	0.00
77	T	Bromobenzene	0.835	0.945	-13.2	92	0.00
78	T	n-propylbenzene	4.427	4.931	-11.4	90	0.00
79	T	2-Chlorotoluene	2.655	2.940	-10.7	90	0.00
80	T	1,3,5-Trimethylbenzene	3.007	3.312	-10.1	88	0.00
81	T	trans-1,4-Dichloro-2-butene	0.516	0.542	-5.0	88	0.00
82	T	4-Chlorotoluene	2.686	3.081	-14.7	94	0.00
83	T	tert-Butylbenzene	2.753	2.850	-3.5	84	0.00
84	T	1,2,4-Trimethylbenzene	3.016	3.423	-13.5	91	0.00
85	T	sec-Butylbenzene	3.998	4.129	-3.3	83	0.00
86	T	p-Isopropyltoluene	3.305	3.362	-1.7	81	0.00
87	T	1,3-Dichlorobenzene	1.644	1.831	-11.4	91	0.00
88	T	1,4-Dichlorobenzene	1.676	1.920	-14.6	94	0.00
89	T	n-Butylbenzene	3.201	3.176	0.8	80	0.00
90	T	Hexachloroethane	0.560	0.639	-14.1	92	0.00
91	T	1,2-Dichlorobenzene	1.579	1.794	-13.6	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.295	0.303	-2.7	86	0.00
93	T	1,2,4-Trichlorobenzene	1.008	1.017	-0.9	81	0.00
94	T	Hexachlorobutadiene	0.376	0.281	25.3#	60	0.00
95	T	Naphthalene	3.753	3.817	-1.7	82	0.00

Sample Results: **VN087181.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087181.D
Acq On : 26 Jun 2025 09:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 27 01:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	1.002	0.993	0.9	81	0.00

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

Sample Results: **VN087181.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087181.D
Acq On : 26 Jun 2025 09:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 27 01:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	74	0.00
2	T	Dichlorodifluoromethane	50.000	62.089	-24.2	92	0.00
3	P	Chloromethane	50.000	48.314	3.4	77	0.00
4	C	Vinyl Chloride	50.000	51.924	-3.8#	80	0.00
5	T	Bromomethane	50.000	43.326	13.3	67	0.00
6	T	Chloroethane	50.000	37.375	25.3#	58	0.00
7	T	Trichlorofluoromethane	50.000	41.302	17.4	64	0.00
8	T	Diethyl Ether	50.000	37.831	24.3	59	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.258	5.5	74	0.00
10	T	Methyl Iodide	50.000	29.953	40.1#	46	0.00
11	T	Tert butyl alcohol	250.000	239.961	4.0	74	-0.01
12	CM	1,1-Dichloroethene	50.000	42.397	15.2#	66	0.01
13	T	Acrolein	250.000	95.168	61.9#	36	0.00
14	T	Allyl chloride	50.000	55.712	-11.4	88	0.00
15	T	Acrylonitrile	250.000	288.478	-15.4	89	0.00
16	T	Acetone	250.000	237.750	4.9	78	0.00
17	T	Carbon Disulfide	50.000	47.226	5.5	76	0.00
18	T	Methyl Acetate	50.000	54.190	-8.4	84	0.00
19	T	Methyl tert-butyl Ether	50.000	58.451	-16.9	91	0.00
20	T	Methylene Chloride	50.000	56.654	-13.3	92	0.00
21	T	trans-1,2-Dichloroethene	50.000	57.580	-15.2	93	0.00
22	T	Diisopropyl ether	50.000	61.367	-22.7	96	0.00
23	T	Vinyl Acetate	250.000	320.406	-28.2#	98	0.00
24	P	1,1-Dichloroethane	50.000	61.182	-22.4	96	0.00
25	T	2-Butanone	250.000	284.168	-13.7	88	0.00
26	T	2,2-Dichloropropane	50.000	69.983	-40.0#	100	0.00
27	T	cis-1,2-Dichloroethene	50.000	58.344	-16.7	92	0.00
28	T	Bromochloromethane	50.000	50.609	-1.2	89	0.00
29	T	Tetrahydrofuran	250.000	286.078	-14.4	89	0.00
30	C	Chloroform	50.000	59.645	-19.3#	93	0.00
31	T	Cyclohexane	50.000	52.736	-5.5	85	0.00
32	T	1,1,1-Trichloroethane	50.000	59.352	-18.7	94	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.611	-5.2	105	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	72	0.00
35	S	Dibromofluoromethane	50.000	54.555	-9.1	107	0.00
36	T	1,1-Dichloropropene	50.000	61.603	-23.2	94	0.00
37	T	Ethyl Acetate	50.000	62.602	-25.2#	95	0.00
38	T	Carbon Tetrachloride	50.000	61.364	-22.7	94	0.00
39	T	Methylcyclohexane	50.000	51.073	-2.1	78	0.00
40	TM	Benzene	50.000	59.735	-19.5	93	0.00
41	T	Methacrylonitrile	50.000	59.959	-19.9	90	0.00
42	TM	1,2-Dichloroethane	50.000	64.471	-28.9#	99	0.00
43	T	Isopropyl Acetate	50.000	59.780	-19.6	92	0.00
44	TM	Trichloroethene	50.000	58.413	-16.8	88	0.00
45	C	1,2-Dichloropropane	50.000	62.285	-24.6#	95	0.00
46	T	Dibromomethane	50.000	61.938	-23.9	94	0.00
47	T	Bromodichloromethane	50.000	62.427	-24.9	95	0.00
48	T	Methyl methacrylate	50.000	60.705	-21.4	93	0.00

Sample Results: **VN087181.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087181.D
Acq On : 26 Jun 2025 09:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 27 01:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	948.610	5.1	66	0.00
50	S	Toluene-d8	50.000	49.702	0.6	98	0.00
51	T	4-Methyl-2-Pentanone	250.000	313.887	-25.6#	92	0.00
52	CM	Toluene	50.000	60.139	-20.3#	92	0.00
53	T	t-1,3-Dichloropropene	50.000	62.249	-24.5	93	0.00
54	T	cis-1,3-Dichloropropene	50.000	62.168	-24.3	94	0.00
55	T	1,1,2-Trichloroethane	50.000	59.923	-19.8	91	0.00
56	T	Ethyl methacrylate	50.000	63.335	-26.7#	89	0.00
57	T	1,3-Dichloropropane	50.000	60.705	-21.4	92	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	284.796	-13.9	97	0.00
59	T	2-Hexanone	250.000	319.329	-27.7#	88	0.00
60	T	Dibromochloromethane	50.000	62.211	-24.4	94	0.00
61	T	1,2-Dibromoethane	50.000	59.866	-19.7	92	0.00
62	S	4-Bromofluorobenzene	50.000	51.425	-2.8	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	75	0.00
64	T	Tetrachloroethene	50.000	53.872	-7.7	87	0.00
65	PM	Chlorobenzene	50.000	57.845	-15.7	93	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	60.366	-20.7	95	0.00
67	C	Ethyl Benzene	50.000	58.350	-16.7#	92	0.00
68	T	m/p-Xylenes	100.000	116.750	-16.8	91	0.00
69	T	o-Xylene	50.000	58.616	-17.2	91	0.00
70	T	Styrene	50.000	59.825	-19.7	92	0.00
71	P	Bromoform	50.000	62.145	-24.3	92	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	77	0.00
73	T	Isopropylbenzene	50.000	55.100	-10.2	90	0.00
74	T	N-amyl acetate	50.000	49.592	0.8	77	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	57.525	-15.0	93	0.00
76	T	1,2,3-Trichloropropane	50.000	49.096	1.8	77	0.00
77	T	Bromobenzene	50.000	56.551	-13.1	92	0.00
78	T	n-propylbenzene	50.000	55.700	-11.4	90	0.00
79	T	2-Chlorotoluene	50.000	55.365	-10.7	90	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.060	-10.1	88	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.477	-5.0	88	0.00
82	T	4-Chlorotoluene	50.000	57.347	-14.7	94	0.00
83	T	tert-Butylbenzene	50.000	51.767	-3.5	84	0.00
84	T	1,2,4-Trimethylbenzene	50.000	56.749	-13.5	91	0.00
85	T	sec-Butylbenzene	50.000	51.642	-3.3	83	0.00
86	T	p-Isopropyltoluene	50.000	50.865	-1.7	81	0.00
87	T	1,3-Dichlorobenzene	50.000	55.709	-11.4	91	0.00
88	T	1,4-Dichlorobenzene	50.000	57.303	-14.6	94	0.00
89	T	n-Butylbenzene	50.000	49.615	0.8	80	0.00
90	T	Hexachloroethane	50.000	56.997	-14.0	92	0.00
91	T	1,2-Dichlorobenzene	50.000	56.791	-13.6	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.417	-2.8	86	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.424	-0.8	81	0.00
94	T	Hexachlorobutadiene	50.000	37.381	25.2#	60	0.00
95	T	Naphthalene	50.000	50.847	-1.7	82	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087181.D
Acq On : 26 Jun 2025 09:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 27 01:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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	49.541	0.9	81	0.00

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

QC SAMPLE DATA

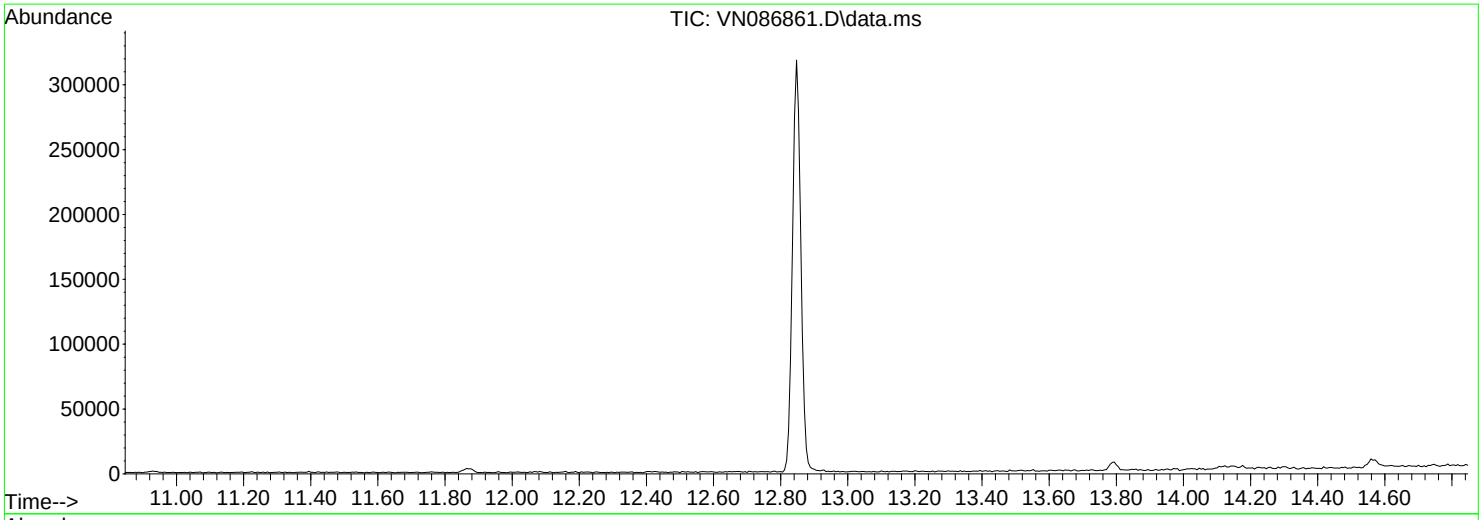
Sample Results: **VN086861.D**

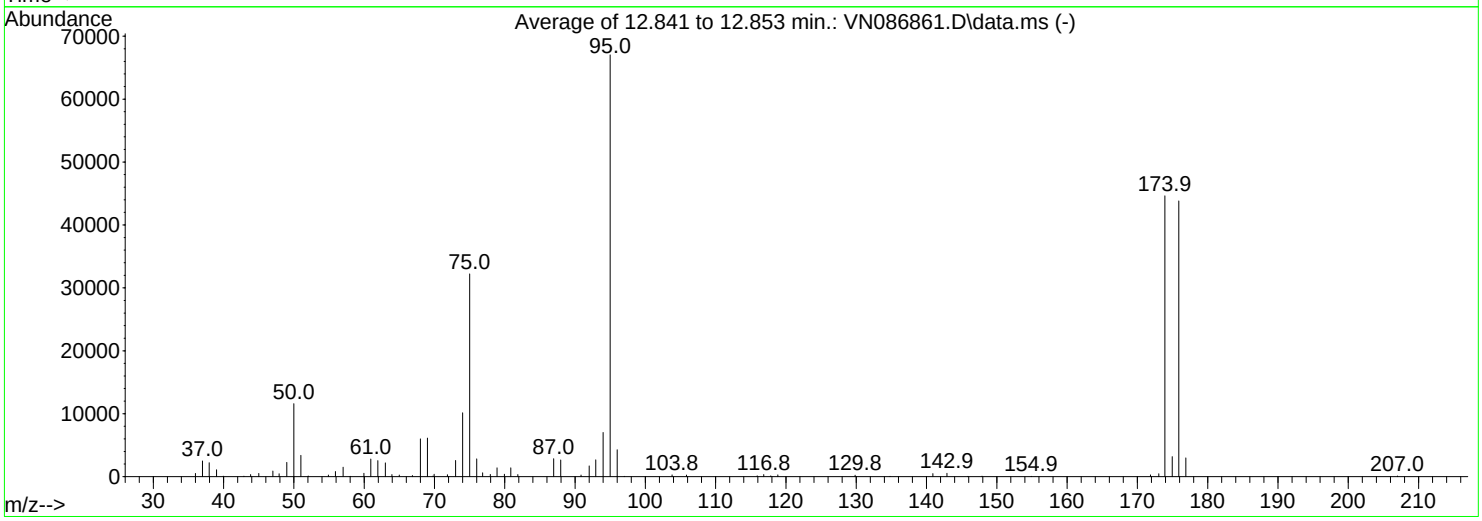
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086861.D
Acq On : 06 Jun 2025 07:59
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 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	17.3	11610	PASS
75	95	30	60	48.1	32235	PASS
95	95	100	100	100.0	67037	PASS
96	95	5	9	6.4	4284	PASS
173	174	0.00	2	1.0	453	PASS
174	95	50	100	66.6	44632	PASS
175	174	5	9	7.1	3184	PASS
176	174	95	101	98.1	43805	PASS
177	176	5	9	6.8	2979	PASS

Average of 12.841 to 12.853 min.: VN086861.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	508	50.00	11610	63.95	331	76.00	281
37.00	2495	51.00	3387	65.00	260	76.85	60
37.95	2209	52.05	112	66.85	177	77.95	34
39.00	1096	54.90	253	68.00	6008	78.90	141
39.95	84	55.90	806	69.00	6141	79.95	395
42.90	88	57.00	1501	69.80	100	80.85	1397
43.85	329	58.00	50	69.95	383	81.85	328
45.00	512	59.95	526	71.85	297	86.95	2851
47.00	882	60.95	2806	73.00	2562	87.95	2646
47.90	460	61.95	2535	74.00	10138	90.85	264
49.00	2276	63.00	2195	75.00	32235	92.00	1704

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086861.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.95	2660	129.85	228	175.90	43805		
94.00	7029	134.80	66	176.90	2979		
95.00	67037	140.90	488	207.00	111		
96.00	4284	142.90	542				
97.00	57	145.90	54				
103.80	279	147.90	82				
105.85	267	154.90	64				
115.90	128	171.85	288				
116.85	345	173.05	453				
117.85	116	173.90	44632				
118.85	274	174.95	3184				

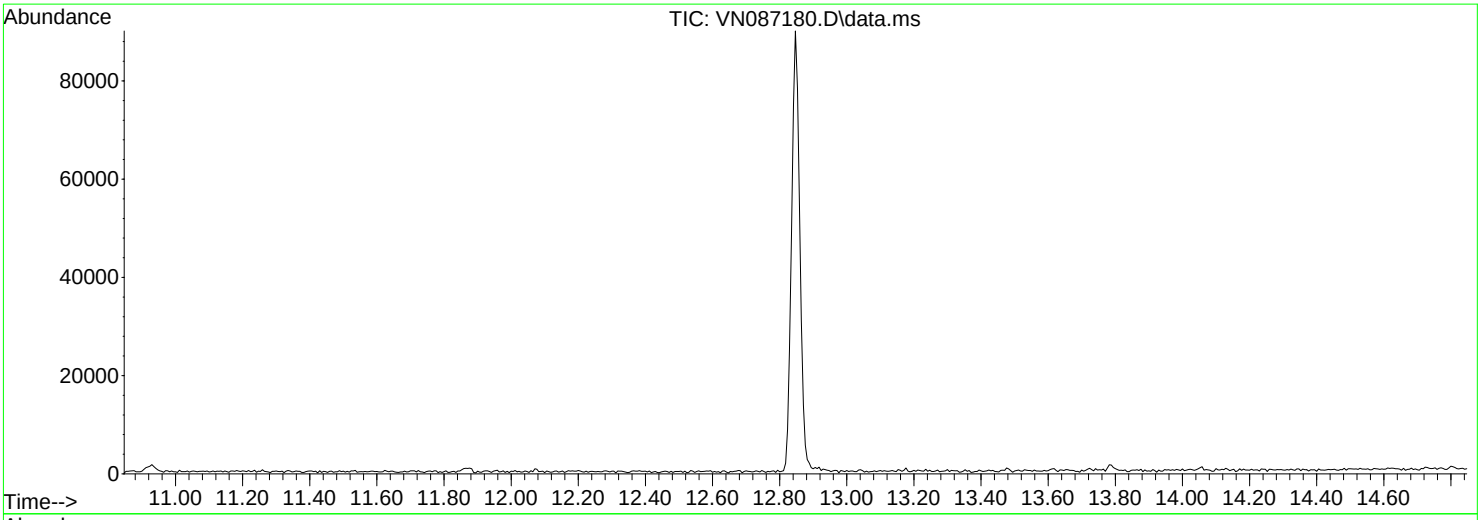
Sample Results: **VN087180.D**

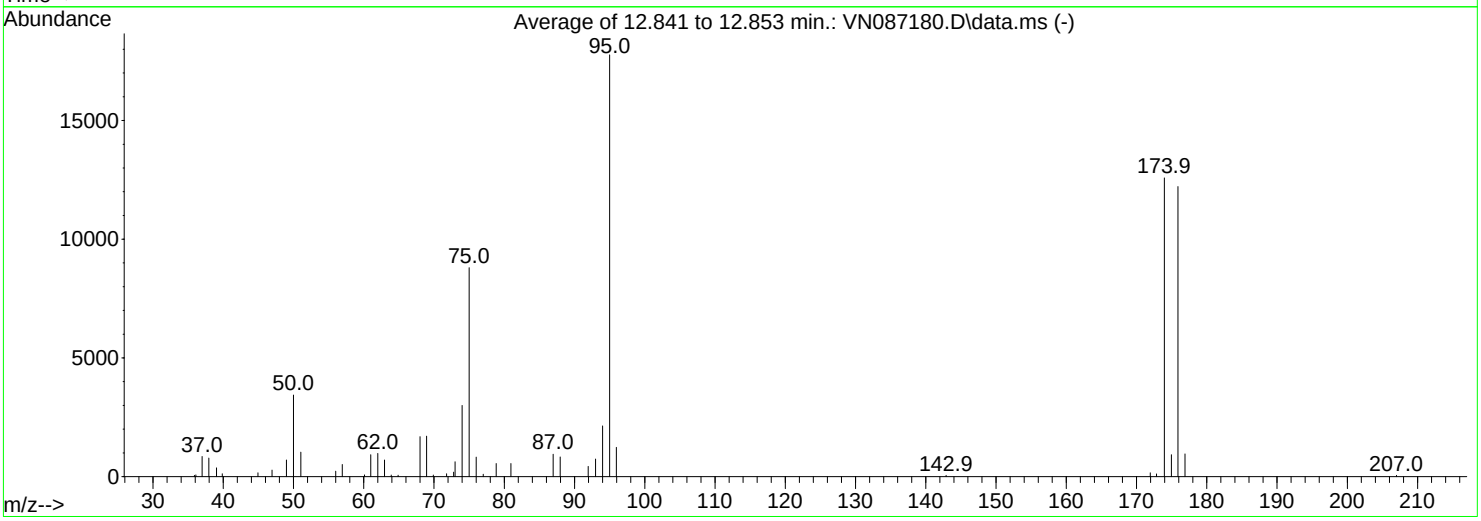
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087180.D
Acq On : 26 Jun 2025 08:40
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
Title : SW846 8260
Last Update : Fri Jun 27 05:55:21 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1844

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	3438	PASS
75	95	30	60	49.5	8798	PASS
95	95	100	100	100.0	17765	PASS
96	95	5	9	7.0	1235	PASS
173	174	0.00	2	0.9	115	PASS
174	95	50	100	70.8	12584	PASS
175	174	5	9	7.3	922	PASS
176	174	95	101	97.1	12215	PASS
177	176	5	9	7.8	956	PASS

Average of 12.841 to 12.853 min.: VN087180.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	57	56.00	231	71.80	119	91.95	43
36.10	73	56.95	514	72.80	188	93.00	74
37.00	849	60.10	73	73.00	627	94.00	213
37.95	781	61.00	922	74.00	2999	95.00	1776
39.05	371	62.00	975	75.00	8798	95.95	1235
39.85	123	62.95	698	76.00	819	142.90	53
44.95	165	63.90	68	77.00	102	171.95	161
46.95	278	64.90	59	78.85	556	172.85	115
49.00	699	68.00	1682	80.95	553	173.95	12584
50.00	3438	68.95	1706	86.95	943	174.95	922
51.05	1031	69.90	69	87.95	826	175.90	12215

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN087180.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
176.90	956						
207.00	52						

Raw Data: **VN087182.D**

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

Report of Analysis

Client:	Coppola Services	Date Collected:	
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	
Client Sample ID:	VN0626WBL01	SDG No.:	Q2409
Lab Sample ID:	VN0626WBL01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087182.D	1		06/26/25 10:25	VN062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.6		70 (74) - 130 (125)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	57.1		70 (75) - 130 (124)	114%	SPK: 50
2037-26-5	Toluene-d8	55.7		70 (86) - 130 (113)	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	143000	8.23			
540-36-3	1,4-Difluorobenzene	276000	9.106			
3114-55-4	Chlorobenzene-d5	262000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	118000	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\VN062625\
Data File : VN087182.D
Acq On : 26 Jun 2025 10:25
Operator : JC\MD
Sample : VN0626WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBL01

Quant Time: Jun 27 01:21:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	142520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	275793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	108060	56.630	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.260%			
35) Dibromofluoromethane	8.171	113	93357	57.120	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.240%			
50) Toluene-d8	10.565	98	360201	55.671	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.340%			
62) 4-Bromofluorobenzene	12.847	95	121369	50.489	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.980%			

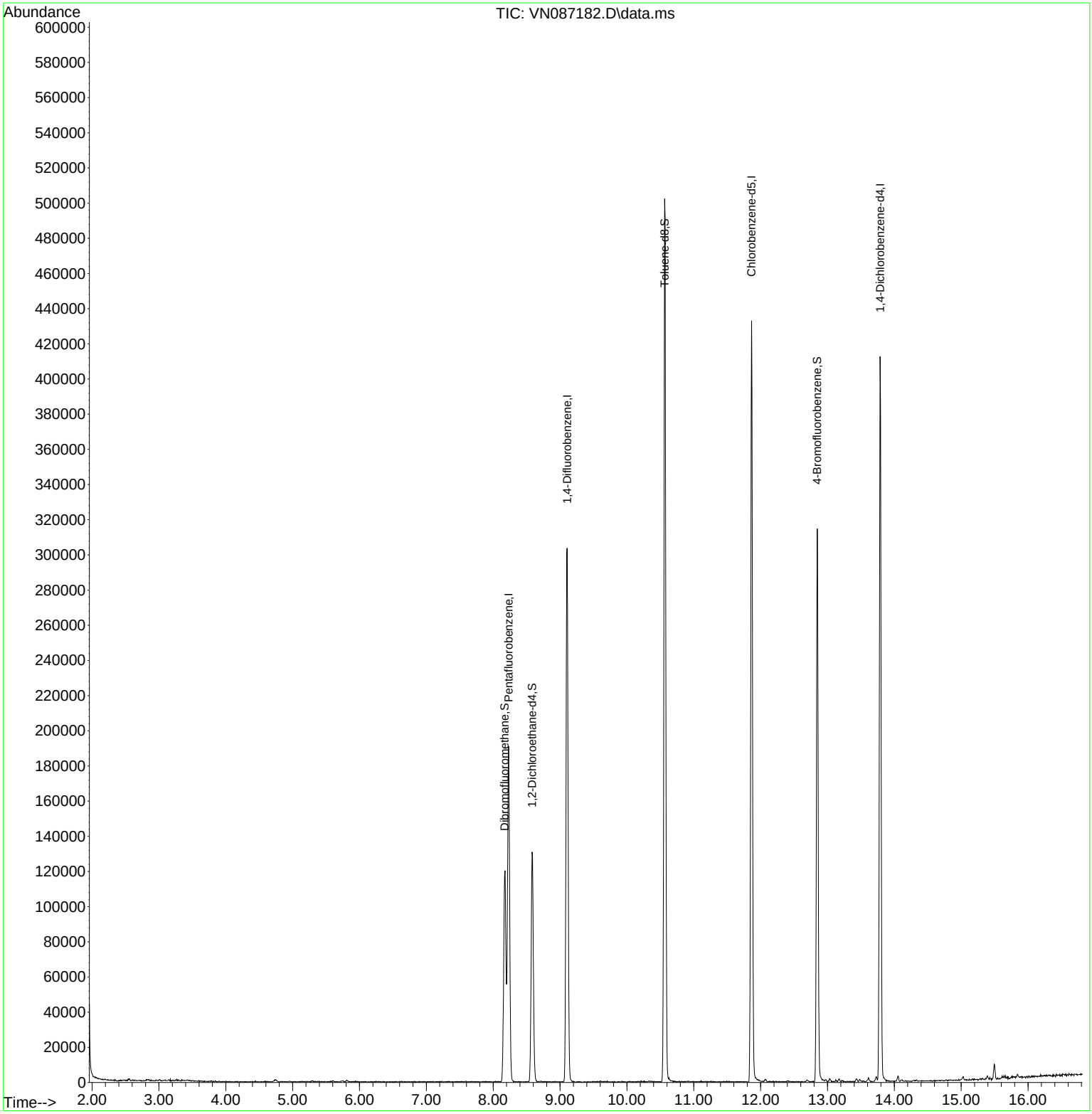
Target Compounds Qvalue

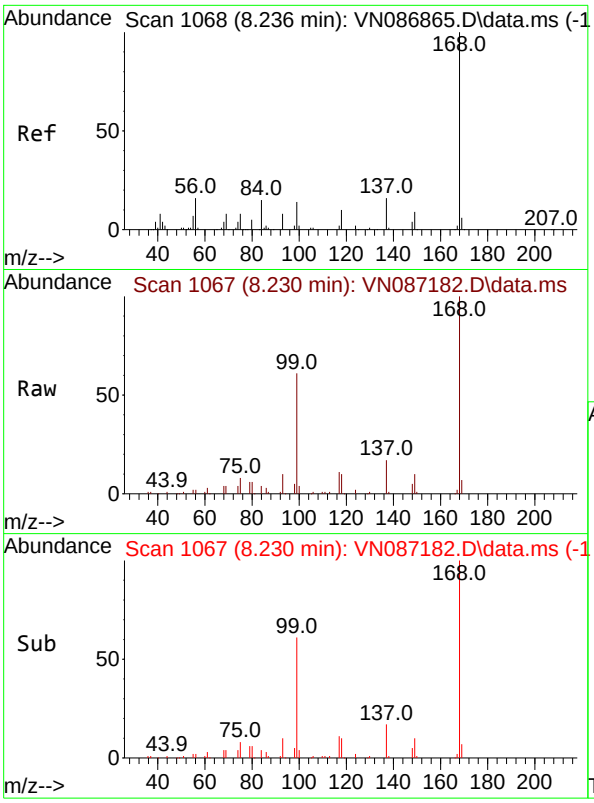
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087182.D
Acq On : 26 Jun 2025 10:25
Operator : JC\MD
Sample : VN0626WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBL01

Quant Time: Jun 27 01:21:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



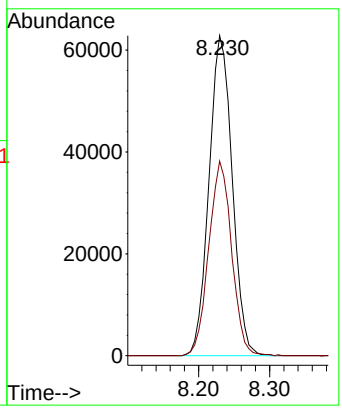


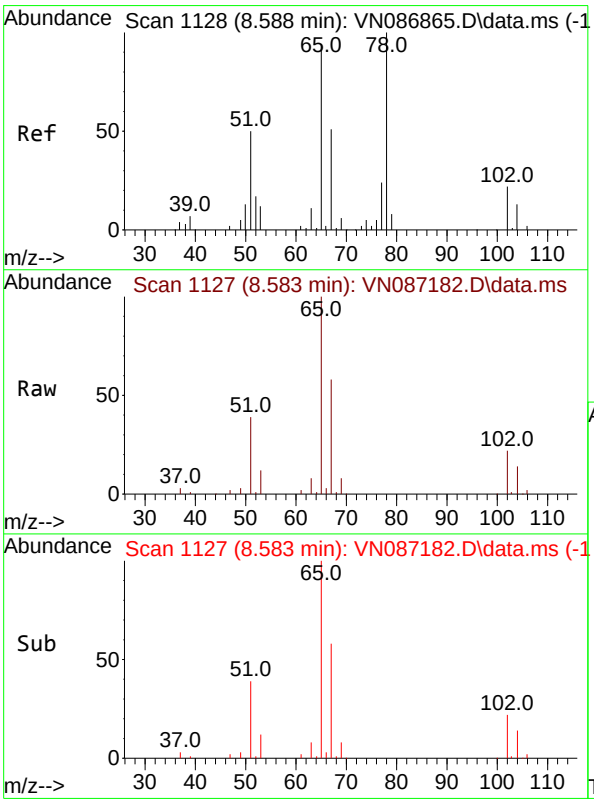
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBL01

Tgt Ion:168 Resp: 142520

Ion	Ratio	Lower	Upper
168	100		
99	60.8	49.1	73.7

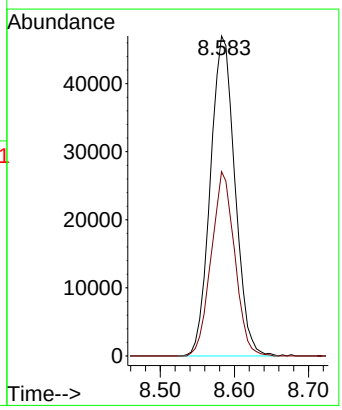


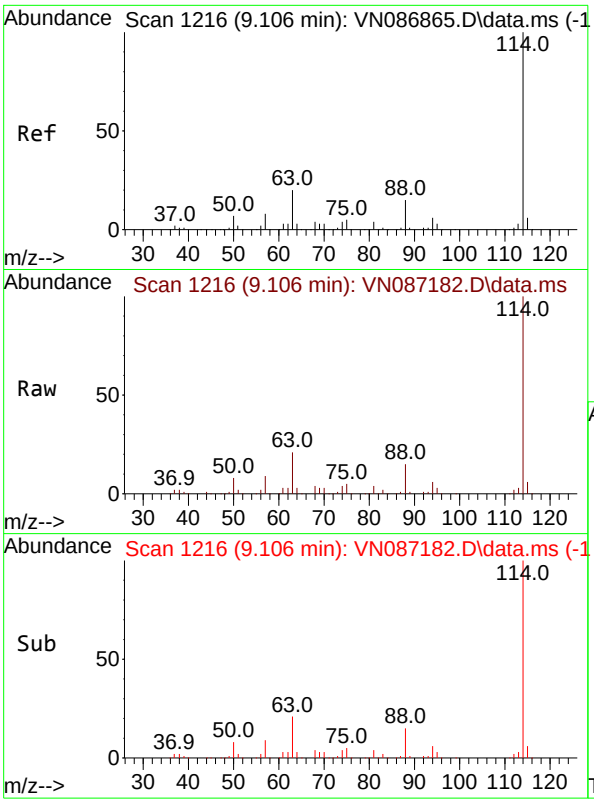


#33
1,2-Dichloroethane-d4
Concen: 56.630 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Tgt Ion: 65 Resp: 108060

Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	105.6



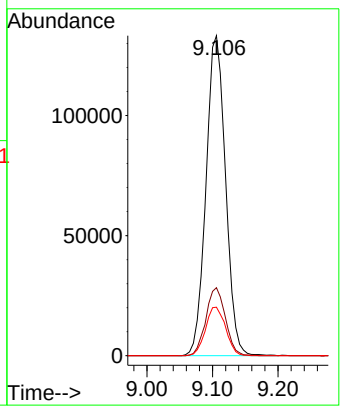


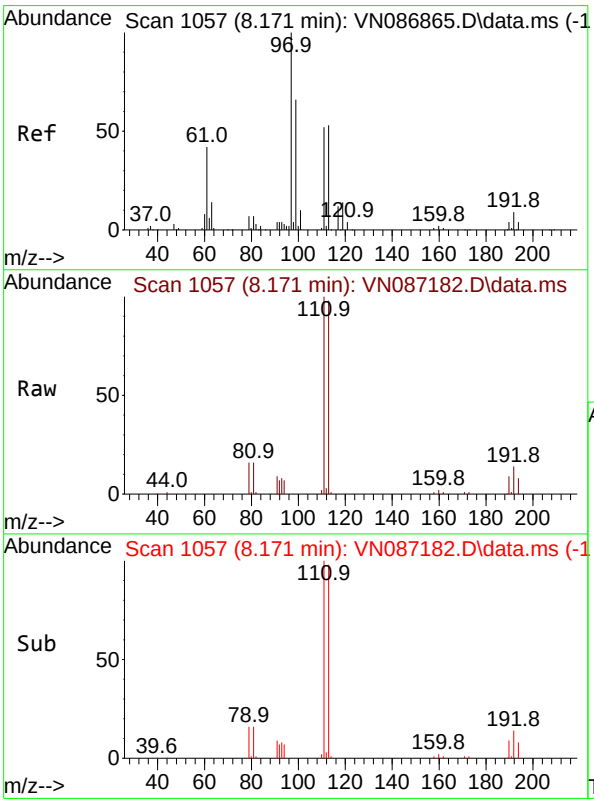
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBL01

Tgt Ion:114 Resp: 275793

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	39.6
88	15.2	0.0	30.2

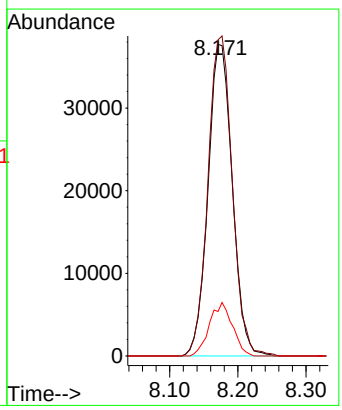


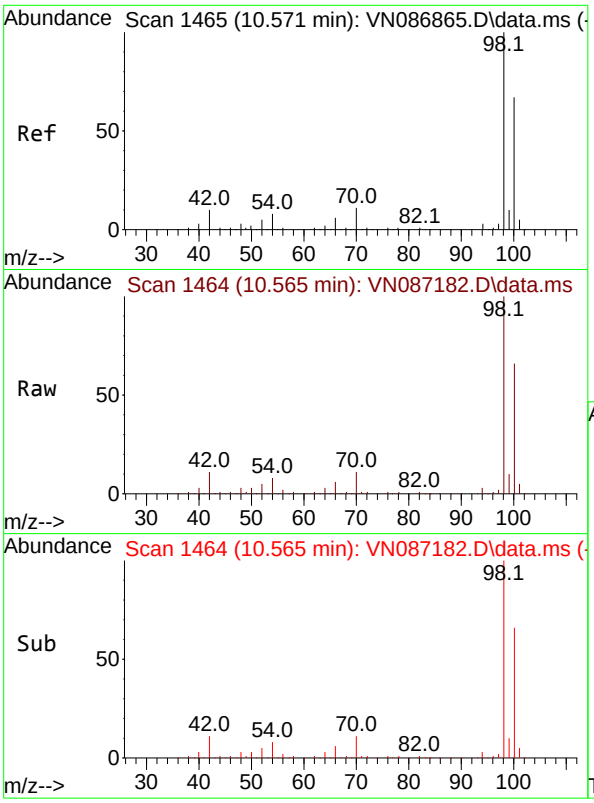


#35
Dibromofluoromethane
Concen: 57.120 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Tgt Ion:113 Resp: 93357

Ion	Ratio	Lower	Upper
113	100		
111	103.1	84.2	126.2
192	16.3	14.2	21.4



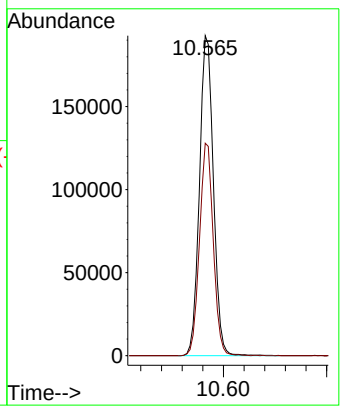


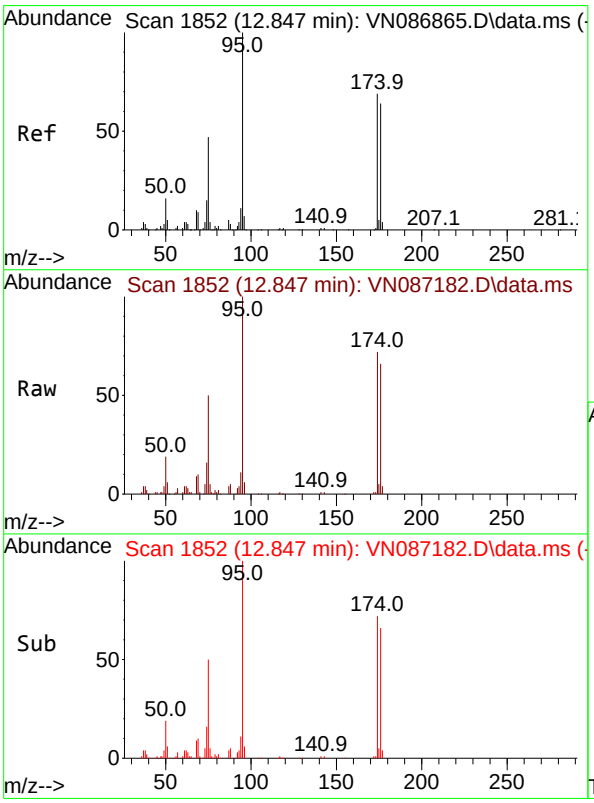
#50
Toluene-d8
Concen: 55.671 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBL01

Tgt Ion: 98 Resp: 360201

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.4	80.0

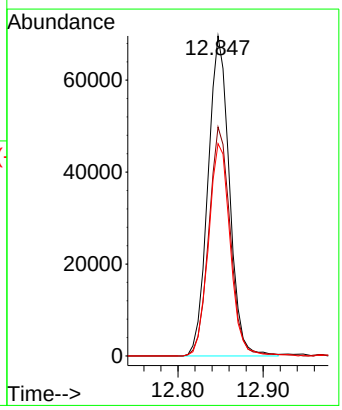


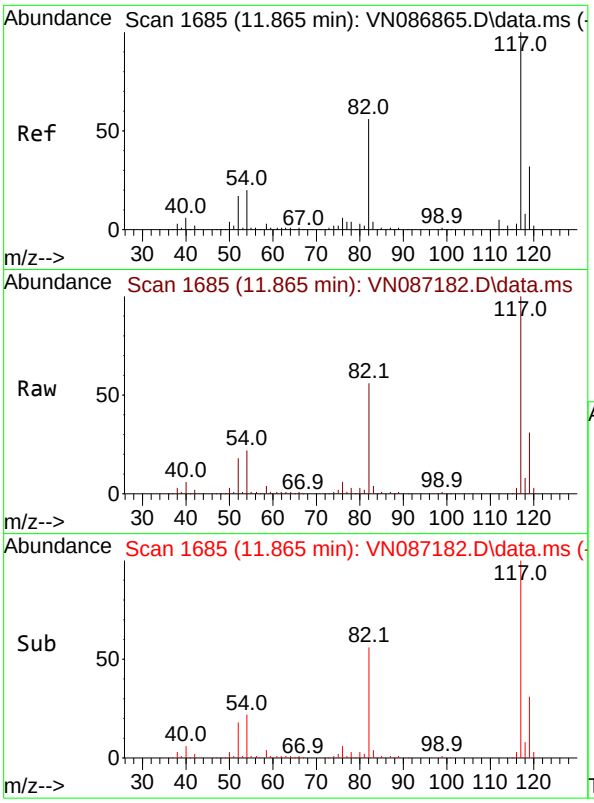


#62
4-Bromofluorobenzene
Concen: 50.489 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Tgt Ion: 95 Resp: 121369

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	141.8
176	67.5	0.0	132.6



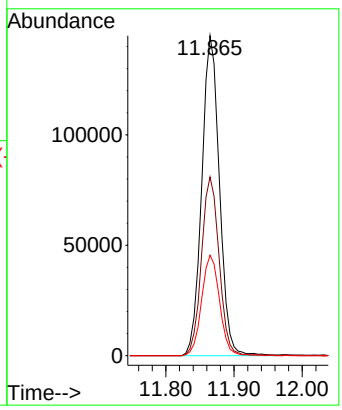


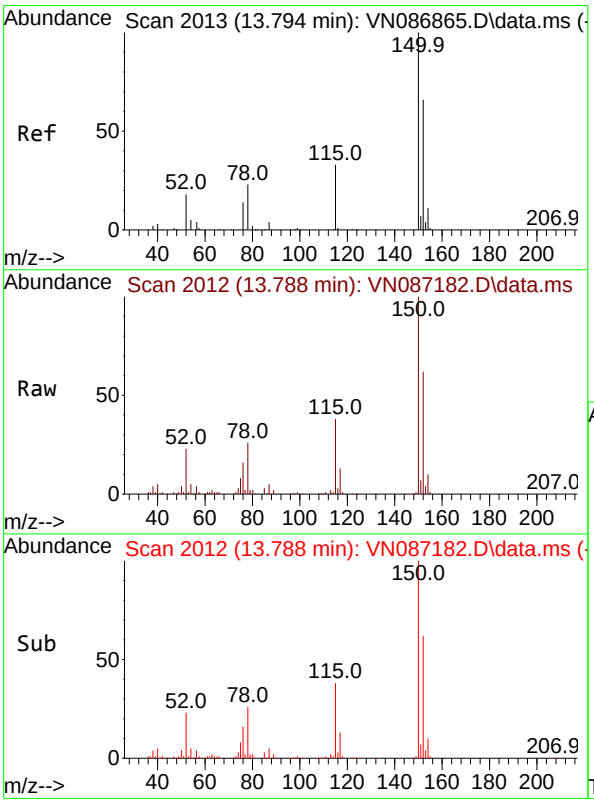
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBL01

Tgt Ion:117 Resp: 261782

Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.6	67.0
119	31.4	25.5	38.3

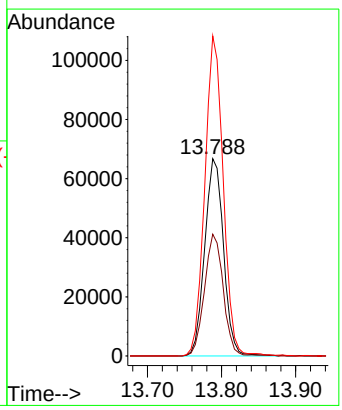




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087182.D
Acq: 26 Jun 2025 10:25

Tgt Ion:152 Resp: 117729

Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.1	90.5
150	158.7	0.0	345.0



Raw Data: **VN087184.D**

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

Report of Analysis

Client:	Coppola Services	Date Collected:	
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	
Client Sample ID:	VN0626WBS01	SDG No.:	Q2409
Lab Sample ID:	VN0626WBS01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087184.D	1		06/26/25 11:07	VN062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.8		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	19.7		0.23	5.00	ug/L
78-93-3	2-Butanone	98.3		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	21.5		0.25	5.00	ug/L
67-66-3	Chloroform	21.2		0.25	5.00	ug/L
71-43-2	Benzene	21.3		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	23.3		0.22	5.00	ug/L
79-01-6	Trichloroethene	20.4		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.23	5.00	ug/L
108-90-7	Chlorobenzene	20.0		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.9		70 (74) - 130 (125)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	60.7		70 (75) - 130 (124)	121%	SPK: 50
2037-26-5	Toluene-d8	55.5		70 (86) - 130 (113)	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.4		70 (77) - 130 (121)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	145000	8.23			
540-36-3	1,4-Difluorobenzene	252000	9.106			
3114-55-4	Chlorobenzene-d5	240000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	118000	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\VN062625\
Data File : VN087184.D
Acq On : 26 Jun 2025 11:07
Operator : JC\MD
Sample : VN0626WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 01:22:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/27/2025
Supervised By :Mahesh Dadoda 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	145034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	252150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	239853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	112444	57.906	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.820%			
35) Dibromofluoromethane	8.177	113	90676	60.681	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 121.360%			
50) Toluene-d8	10.565	98	328581	55.545	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.100%			
62) 4-Bromofluorobenzene	12.847	95	119535	54.389	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	29292	20.256	ug/l	100
3) Chloromethane	2.395	50	30339	16.247	ug/l	100
4) Vinyl Chloride	2.554	62	32437	16.839	ug/l	98
5) Bromomethane	3.001	94	16889	15.668	ug/l	99
6) Chloroethane	3.153	64	18689	15.020	ug/l	97
7) Trichlorofluoromethane	3.530	101	37979	15.091	ug/l	90
8) Diethyl Ether	3.983	74	18834	17.176	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.395	101	33656	21.285	ug/l	97
10) Methyl Iodide	4.612	142	21147	10.317	ug/l	99
11) Tert butyl alcohol	5.542	59	45275	85.927	ug/l	99
12) 1,1-Dichloroethene	4.365	96	31846	19.728	ug/l	94
13) Acrolein	4.200	56	11873	71.188	ug/l	98
14) Allyl chloride	5.047	41	53023	19.806	ug/l	95
15) Acrylonitrile	5.742	53	123749	100.482	ug/l	99
16) Acetone	4.453	43	109014	105.862	ug/l	91
17) Carbon Disulfide	4.736	76	90280	20.218	ug/l	98
18) Methyl Acetate	5.047	43	61012	20.331	ug/l	95
19) Methyl tert-butyl Ether	5.806	73	116291	19.896	ug/l	99
20) Methylene Chloride	5.295	84	39261	20.364	ug/l	97
21) trans-1,2-Dichloroethene	5.812	96	35773	19.918	ug/l	95
22) Diisopropyl ether	6.683	45	119830	21.234	ug/l	96
23) Vinyl Acetate	6.618	43	514783	107.968	ug/l	97
24) 1,1-Dichloroethane	6.583	63	69926	21.532	ug/l	96
25) 2-Butanone	7.494	43	164593	98.331	ug/l	98
26) 2,2-Dichloropropane	7.494	77	60050	23.771	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	42493	19.783	ug/l	93
28) Bromochloromethane	7.824	49	38363	24.025	ug/l	94
29) Tetrahydrofuran	7.847	42	109397	100.327	ug/l	98
30) Chloroform	7.977	83	68721	21.189	ug/l	97
31) Cyclohexane	8.265	56	61691	19.588	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	57986	21.021	ug/l	90
36) 1,1-Dichloropropene	8.377	75	49203	22.097	ug/l	97
37) Ethyl Acetate	7.571	43	66835	23.579	ug/l	95
38) Carbon Tetrachloride	8.365	117	47041	21.519	ug/l	97
39) Methylcyclohexane	9.606	83	51612	16.919	ug/l	96
40) Benzene	8.612	78	155049	21.294	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087184.D
Acq On : 26 Jun 2025 11:07
Operator : JC\MD
Sample : VN0626WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 01:22:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/27/2025
Supervised By :Mahesh Dadoda 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	33458	21.018	ug/l		96
42) 1,2-Dichloroethane	8.677	62	51408	23.278	ug/l		99
43) Isopropyl Acetate	8.694	43	97841	21.506	ug/l		99
44) Trichloroethene	9.353	130	35241	20.412	ug/l		99
45) 1,2-Dichloropropane	9.624	63	38518	21.744	ug/l		96
46) Dibromomethane	9.712	93	25515	21.685	ug/l		97
47) Bromodichloromethane	9.888	83	53945	22.284	ug/l		95
48) Methyl methacrylate	9.682	41	44252	21.133	ug/l		95
49) 1,4-Dioxane	9.700	88	12856	337.485	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	296704	108.333	ug/l		96
52) Toluene	10.629	92	94925	21.333	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	58235	21.513	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	62641	21.627	ug/l		93
55) 1,1,2-Trichloroethane	11.018	97	38129	22.269	ug/l		98
56) Ethyl methacrylate	10.882	69	55203	20.242	ug/l		95
57) 1,3-Dichloropropane	11.165	76	65014	21.889	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	164482	101.121	ug/l		97
59) 2-Hexanone	11.206	43	168173	95.327	ug/l		99
60) Dibromochloromethane	11.359	129	39105	21.921	ug/l		99
61) 1,2-Dibromoethane	11.471	107	37515	21.376	ug/l		100
64) Tetrachloroethene	11.100	164	27994	18.442	ug/l		96
65) Chlorobenzene	11.888	112	105624	19.967	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	35391	20.812	ug/l		98
67) Ethyl Benzene	11.965	91	175198	19.227	ug/l		100
68) m/p-Xylenes	12.071	106	134637	38.599	ug/l		99
69) o-Xylene	12.394	106	63692	19.066	ug/l		99
70) Styrene	12.412	104	109283	19.117	ug/l		98
71) Bromoform	12.576	173	25990	20.628	ug/l	#	100
73) Isopropylbenzene	12.694	105	152923	17.717	ug/l		99
74) N-amyl acetate	12.547	43	56210m	18.636	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	59473	20.338	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	57205m	20.312	ug/l		
77) Bromobenzene	12.976	156	38310	19.353	ug/l		98
78) n-propylbenzene	13.035	91	192212	18.324	ug/l		98
79) 2-Chlorotoluene	13.123	91	117027	18.603	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	127954	17.955	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	20609	16.845	ug/l		92
82) 4-Chlorotoluene	13.218	91	120904	18.995	ug/l		100
83) tert-Butylbenzene	13.435	119	108246	16.594	ug/l		96
84) 1,2,4-Trimethylbenzene	13.476	105	132930	18.602	ug/l		97
85) sec-Butylbenzene	13.612	105	163316	17.240	ug/l		99
86) p-Isopropyltoluene	13.723	119	133748	17.079	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	74719	19.185	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	75271	18.957	ug/l		96
89) n-Butylbenzene	14.053	91	125312	16.521	ug/l		98
90) Hexachloroethane	14.329	117	25420	19.150	ug/l		96
91) 1,2-Dichlorobenzene	14.106	146	72518	19.381	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13353	19.094	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	42249	17.682	ug/l		98
94) Hexachlorobutadiene	15.494	225	13076	14.689	ug/l		99
95) Naphthalene	15.635	128	151025	16.981	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	40470	17.048	ug/l		98

Sample Results: **VN087184.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087184.D
Acq On : 26 Jun 2025 11:07
Operator : JC\MD
Sample : VN0626WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 01:22:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/27/2025
Supervised By :Mahesh Dadoda 06/27/2025

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

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

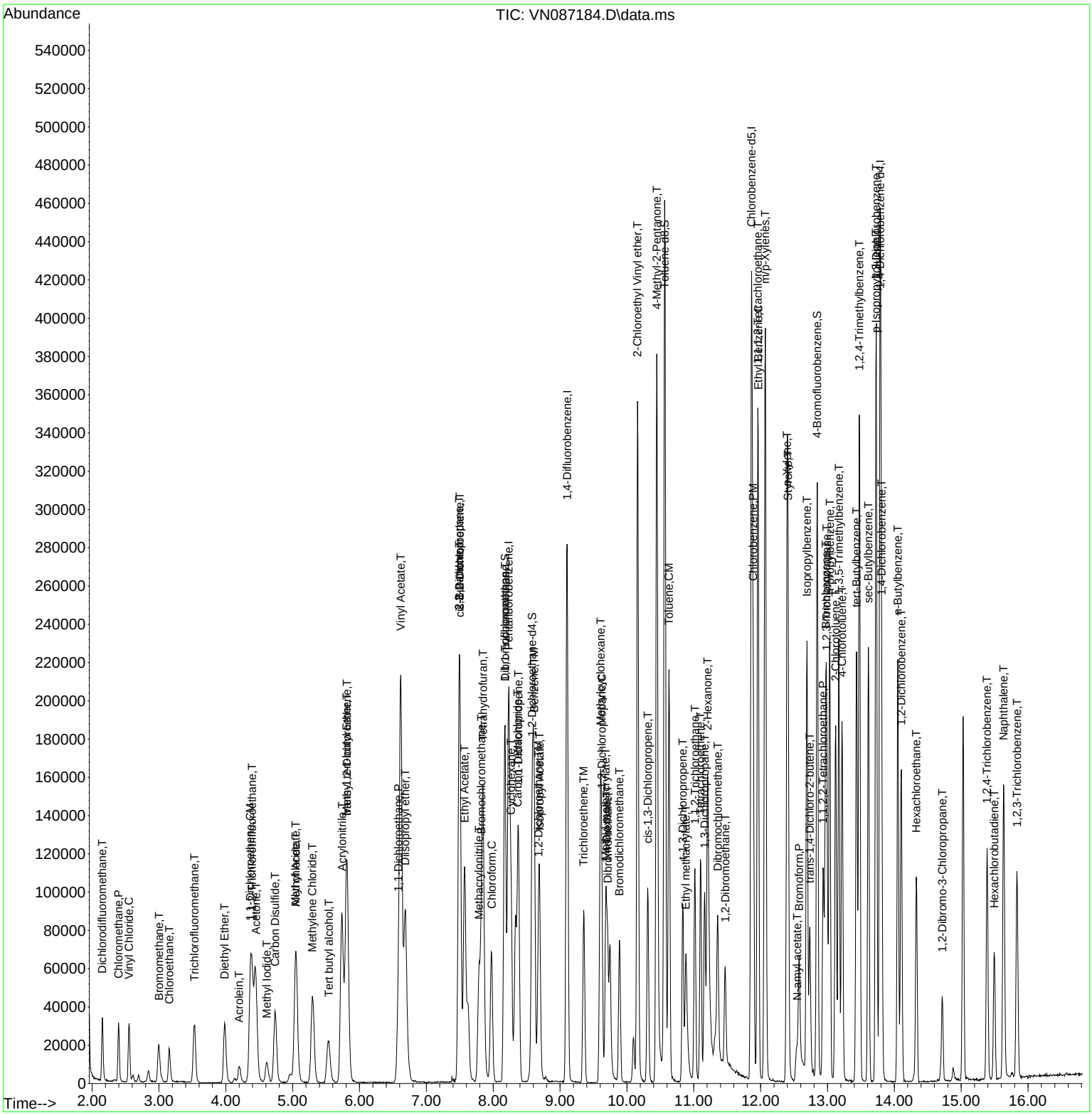
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087184.D
Acq On : 26 Jun 2025 11:07
Operator : JC\MD
Sample : VN0626WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 01:22:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/27/2025
Supervised By :Mahesh Dadoda 06/27/2025



Raw Data: **VN087187.D**

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

Report of Analysis

Client:	Coppola Services	Date Collected:	
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	
Client Sample ID:	VN0626WBSD01	SDG No.:	Q2409
Lab Sample ID:	VN0626WBSD01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087187.D	1		06/26/25 12:22	VN062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	14.8		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	15.4		0.23	5.00	ug/L
78-93-3	2-Butanone	86.9		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	18.0		0.25	5.00	ug/L
67-66-3	Chloroform	18.1		0.25	5.00	ug/L
71-43-2	Benzene	17.4		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.22	5.00	ug/L
79-01-6	Trichloroethene	17.0		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	15.9		0.23	5.00	ug/L
108-90-7	Chlorobenzene	17.2		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	44.7		70 (86) - 130 (113)	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		70 (77) - 130 (121)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	8.23			
540-36-3	1,4-Difluorobenzene	293000	9.106			
3114-55-4	Chlorobenzene-d5	264000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	136000	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\VN062625\
Data File : VN087187.D
Acq On : 26 Jun 2025 12:22
Operator : JC\MD
Sample : VN0626WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 01:23:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/27/2025
Supervised By :Mahesh Dadoda 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	160582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	293263	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	264121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	136333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	104679	48.688	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.380%			
35) Dibromofluoromethane	8.177	113	84133	48.409	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.820%			
50) Toluene-d8	10.565	98	307366	44.675	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.340%			
62) 4-Bromofluorobenzene	12.847	95	115539	45.200	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	28138	17.574	ug/l	100
3) Chloromethane	2.401	50	28720	13.891	ug/l	100
4) Vinyl Chloride	2.554	62	31645	14.838	ug/l	96
5) Bromomethane	3.001	94	15815	13.251	ug/l	99
6) Chloroethane	3.159	64	17361	12.602	ug/l	98
7) Trichlorofluoromethane	3.530	101	34614	12.422	ug/l	96
8) Diethyl Ether	3.977	74	17435	14.361	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.400	101	29065	16.602	ug/l	97
10) Methyl Iodide	4.612	142	17196	7.577	ug/l	98
11) Tert butyl alcohol	5.530	59	43145	73.956	ug/l	98
12) 1,1-Dichloroethene	4.371	96	27447	15.356	ug/l	93
13) Acrolein	4.200	56	14767	79.968	ug/l	96
14) Allyl chloride	5.053	41	51090	17.236	ug/l	98
15) Acrylonitrile	5.742	53	117415	86.108	ug/l	99
16) Acetone	4.448	43	101035	88.614	ug/l	92
17) Carbon Disulfide	4.736	76	81032	16.390	ug/l	99
18) Methyl Acetate	5.048	43	56995	17.154	ug/l	96
19) Methyl tert-butyl Ether	5.812	73	110599	17.090	ug/l	93
20) Methylene Chloride	5.295	84	36425	17.064	ug/l	92
21) trans-1,2-Dichloroethene	5.812	96	33753	16.974	ug/l	99
22) Diisopropyl ether	6.683	45	114613	18.343	ug/l	97
23) Vinyl Acetate	6.618	43	498176	94.368	ug/l	98
24) 1,1-Dichloroethane	6.583	63	65713	18.275	ug/l	97
25) 2-Butanone	7.494	43	161137	86.945	ug/l	99
26) 2,2-Dichloropropane	7.506	77	56979	20.371	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	40925	17.208	ug/l	96
28) Bromochloromethane	7.824	49	35082	19.843	ug/l	93
29) Tetrahydrofuran	7.847	42	103748	85.934	ug/l	97
30) Chloroform	7.971	83	64866	18.064	ug/l	95
31) Cyclohexane	8.265	56	59220	16.983	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	54179	17.739	ug/l	95
36) 1,1-Dichloropropene	8.377	75	45794	17.683	ug/l	98
37) Ethyl Acetate	7.571	43	61150	18.549	ug/l	97
38) Carbon Tetrachloride	8.371	117	45685	17.969	ug/l	98
39) Methylcyclohexane	9.606	83	51023	14.381	ug/l	95
40) Benzene	8.612	78	146941	17.352	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087187.D
Acq On : 26 Jun 2025 12:22
Operator : JC\MD
Sample : VN0626WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 01:23:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/27/2025
Supervised By :Mahesh Dadoda 06/27/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.789	41	34070	18.402 ug/l	95
42) 1,2-Dichloroethane	8.677	62	48406	18.846 ug/l	97
43) Isopropyl Acetate	8.694	43	93514	17.673 ug/l	98
44) Trichloroethene	9.359	130	34108	16.986 ug/l	96
45) 1,2-Dichloropropane	9.624	63	36916	17.918 ug/l	97
46) Dibromomethane	9.712	93	24877	18.179 ug/l	98
47) Bromodichloromethane	9.888	83	49358	17.530 ug/l	97
48) Methyl methacrylate	9.682	41	42131	17.300 ug/l	95
49) 1,4-Dioxane	9.706	88	11706	264.216 ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	292165	91.721 ug/l	94
52) Toluene	10.630	92	90266	17.442 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	55782	17.718 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	58980	17.508 ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	35545	17.850 ug/l	97
56) Ethyl methacrylate	10.882	69	51655	16.286 ug/l	94
57) 1,3-Dichloropropane	11.165	76	60753	17.587 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	162607	85.954 ug/l	97
59) 2-Hexanone	11.212	43	157527	76.775 ug/l	99
60) Dibromochloromethane	11.359	129	37063	17.864 ug/l	99
61) 1,2-Dibromoethane	11.471	107	35324	17.306 ug/l	100
64) Tetrachloroethene	11.100	164	26510	15.860 ug/l	98
65) Chlorobenzene	11.888	112	100334	17.224 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	32711	17.469 ug/l	99
67) Ethyl Benzene	11.959	91	165981	16.542 ug/l	98
68) m/p-Xylenes	12.071	106	127008	33.066 ug/l	98
69) o-Xylene	12.400	106	59633	16.210 ug/l	94
70) Styrene	12.412	104	105905	16.824 ug/l	99
71) Bromoform	12.576	173	25312	18.244 ug/l #	96
73) Isopropylbenzene	12.694	105	153326	15.438 ug/l	100
74) N-amyl acetate	12.547	43	60000m	17.288 ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	57845	17.192 ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	62582m	19.311 ug/l	
77) Bromobenzene	12.976	156	37459	16.446 ug/l	97
78) n-propylbenzene	13.029	91	193446	16.027 ug/l	98
79) 2-Chlorotoluene	13.123	91	114785	15.858 ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	125581	15.315 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	23133	16.432 ug/l	94
82) 4-Chlorotoluene	13.218	91	119357	16.296 ug/l	99
83) tert-Butylbenzene	13.435	119	108390	14.440 ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	128097	15.578 ug/l	99
85) sec-Butylbenzene	13.612	105	160425	14.717 ug/l	100
86) p-Isopropyltoluene	13.729	119	140670	15.611 ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	75945	16.947 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	76819	16.813 ug/l	98
89) n-Butylbenzene	14.053	91	123188	14.114 ug/l	99
90) Hexachloroethane	14.329	117	24311	15.917 ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	71416	16.587 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13738	17.073 ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	40099	14.585 ug/l	98
94) Hexachlorobutadiene	15.500	225	13119	12.808 ug/l	96
95) Naphthalene	15.635	128	152078	14.861 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	36828	13.482 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
Data File : VN087187.D
Acq On : 26 Jun 2025 12:22
Operator : JC\MD
Sample : VN0626WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 27 01:23:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/27/2025
Supervised By :Mahesh Dadoda 06/27/2025

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\VN062625\
Data File : VN087187.D
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Quant Time: Jun 27 01:23:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/27/2025
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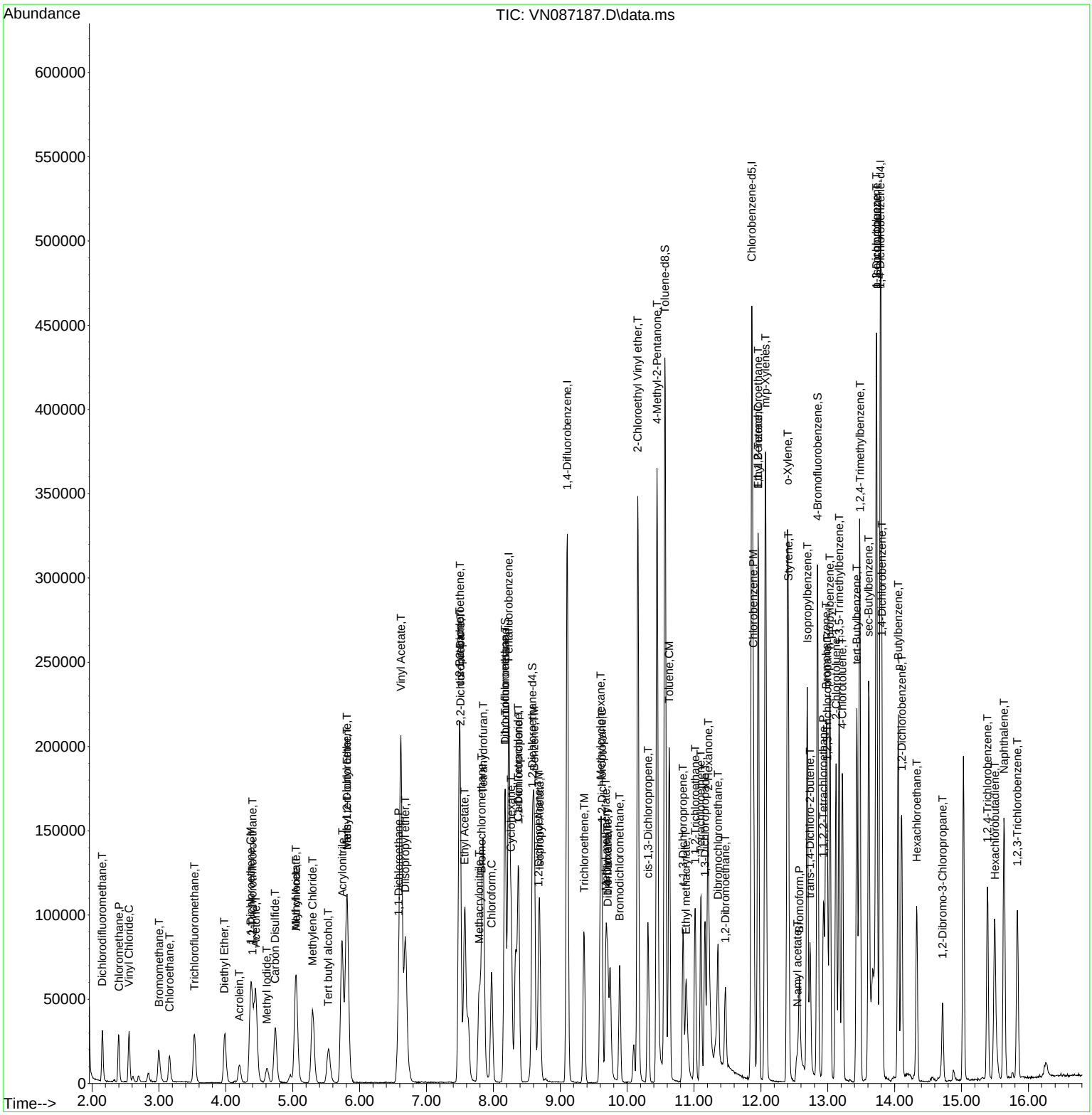

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086862.D	1,1,2-Trichlorotrifluoroethane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,4-Dichlorobenzene	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	2-Hexanone	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	N-amyl acetate	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	N-amyl acetate	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC020	VN086864.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:19 AM	MMDadoda	6/9/2025 1:13:21 PM	Peak Integrated by Software
VSTDICCC050	VN086865.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:25 AM	MMDadoda	6/9/2025 1:13:23 PM	Peak Integrated by Software
VSTDICC100	VN086866.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:29 AM	MMDadoda	6/9/2025 1:13:28 PM	Peak Integrated by Software
VSTDICC150	VN086867.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:34 AM	MMDadoda	6/9/2025 1:13:30 PM	Peak Integrated by Software
VSTDICV050	VN086869.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:38 AM	MMDadoda	6/9/2025 1:13:34 PM	Peak Integrated by Software
VSTDCCC050	VN086886.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:55 AM	MMDadoda	6/9/2025 1:13:44 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

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

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

Manual Integration Report

Sequence:	vn062625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087181.D	1,2,3-Trichloropropane	JOHN	6/27/2025 8:42:56 AM	MMDadoda	6/27/2025 10:43:05 AM	Peak Integrated by Software
VSTDCCC050	VN087181.D	N-amyl acetate	JOHN	6/27/2025 8:42:56 AM	MMDadoda	6/27/2025 10:43:05 AM	Peak Integrated by Software
VN0626WBS01	VN087184.D	1,2,3-Trichloropropane	JOHN	6/27/2025 8:43:05 AM	MMDadoda	6/27/2025 10:43:14 AM	Peak Integrated by Software
VN0626WBS01	VN087184.D	N-amyl acetate	JOHN	6/27/2025 8:43:05 AM	MMDadoda	6/27/2025 10:43:14 AM	Peak Integrated by Software
VN0626WBSD01	VN087187.D	1,2,3-Trichloropropane	JOHN	6/27/2025 8:43:11 AM	MMDadoda	6/27/2025 10:43:21 AM	Peak Integrated by Software
VN0626WBSD01	VN087187.D	N-amyl acetate	JOHN	6/27/2025 8:43:11 AM	MMDadoda	6/27/2025 10:43:21 AM	Peak Integrated by Software
VSTDICC001	VN087198.D	1,2,3-Trichloropropane	JOHN	6/27/2025 8:44:24 AM	MMDadoda	6/27/2025 10:43:38 AM	Peak Integrated by Software
VSTDICC001	VN087198.D	1,4-Dichlorobenzene	JOHN	6/27/2025 8:44:24 AM	MMDadoda	6/27/2025 10:43:38 AM	Peak Integrated by Software
VSTDICC001	VN087198.D	2-Hexanone	JOHN	6/27/2025 8:44:24 AM	MMDadoda	6/27/2025 10:43:38 AM	Peak Integrated by Software
VSTDICC001	VN087198.D	Ethyl methacrylate	JOHN	6/27/2025 8:44:24 AM	MMDadoda	6/27/2025 10:43:38 AM	Peak Integrated by Software
VSTDICC001	VN087198.D	N-amyl acetate	JOHN	6/27/2025 8:44:24 AM	MMDadoda	6/27/2025 10:43:38 AM	Peak Integrated by Software
VSTDICC005	VN087199.D	1,2,3-Trichloropropane	JOHN	6/27/2025 8:44:29 AM	MMDadoda	6/27/2025 10:43:46 AM	Peak Integrated by Software
VSTDICC005	VN087199.D	2-Hexanone	JOHN	6/27/2025 8:44:29 AM	MMDadoda	6/27/2025 10:43:46 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn062625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN087199.D	N-amyl acetate	JOHN	6/27/2025 8:44:29 AM	MMDadoda	6/27/2025 10:43:46 AM	Peak Integrated by Software
VSTDICC020	VN087200.D	1,2,3-Trichloropropane	JOHN	6/27/2025 8:44:37 AM	MMDadoda	6/27/2025 10:43:52 AM	Peak Integrated by Software
VSTDICC020	VN087200.D	N-amyl acetate	JOHN	6/27/2025 8:44:37 AM	MMDadoda	6/27/2025 10:43:52 AM	Peak Integrated by Software
VSTDICCC050	VN087201.D	1,2,3-Trichloropropane	JOHN	6/27/2025 8:44:41 AM	MMDadoda	6/27/2025 10:44:01 AM	Peak Integrated by Software
VSTDICC100	VN087202.D	1,2,3-Trichloropropane	JOHN	6/27/2025 8:44:47 AM	MMDadoda	6/27/2025 10:44:10 AM	Peak Integrated by Software
VSTDICC150	VN087203.D	1,2,3-Trichloropropane	JOHN	6/27/2025 8:44:51 AM	MMDadoda	6/27/2025 10:44:19 AM	Peak Integrated by Software
VSTDICV050	VN087205.D	1,2,3-Trichloropropane	JOHN	6/27/2025 8:44:56 AM	MMDadoda	6/27/2025 10:44:26 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 # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086861.D	06 Jun 2025 07:59	JC\MD	Ok
2	VSTDICC001	VN086862.D	06 Jun 2025 12:44	JC\MD	Ok,M
3	VSTDICC005	VN086863.D	06 Jun 2025 13:17	JC\MD	Ok,M
4	VSTDICC020	VN086864.D	06 Jun 2025 13:40	JC\MD	Ok,M
5	VSTDICCC050	VN086865.D	06 Jun 2025 14:03	JC\MD	Ok,M
6	VSTDICC100	VN086866.D	06 Jun 2025 14:26	JC\MD	Ok,M
7	VSTDICC150	VN086867.D	06 Jun 2025 14:49	JC\MD	Ok,M
8	IBLK	VN086868.D	06 Jun 2025 15:12	JC\MD	Ok
9	VSTDICV050	VN086869.D	06 Jun 2025 15:54	JC\MD	Ok,M
10	VN0606WBL01	VN086870.D	06 Jun 2025 16:47	JC\MD	Ok
11	VN0606WBL02	VN086871.D	06 Jun 2025 17:10	JC\MD	Ok
12	VN0606WBS01	VN086872.D	06 Jun 2025 17:33	JC\MD	Ok,M
13	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56	JC\MD	Ok,M
14	Q2254-01	VN086874.D	06 Jun 2025 18:19	JC\MD	Not Ok
15	Q2237-02	VN086875.D	06 Jun 2025 18:42	JC\MD	Ok
16	Q2216-02	VN086876.D	06 Jun 2025 19:05	JC\MD	Ok
17	Q2216-03	VN086877.D	06 Jun 2025 19:28	JC\MD	Ok
18	Q2216-04	VN086878.D	06 Jun 2025 19:51	JC\MD	Ok
19	Q2216-05	VN086879.D	06 Jun 2025 20:13	JC\MD	Not Ok
20	Q2216-06	VN086880.D	06 Jun 2025 20:36	JC\MD	Not Ok
21	Q2206-04	VN086881.D	06 Jun 2025 20:59	JC\MD	Not Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2242-04	VN086882.D	06 Jun 2025 21:21	JC\MD	Not Ok
23	Q2192-01	VN086883.D	06 Jun 2025 21:44	JC\MD	Not Ok
24	Q2198-02	VN086884.D	06 Jun 2025 22:07	JC\MD	Not Ok
25	Q2198-04	VN086885.D	06 Jun 2025 22:29	JC\MD	Not Ok
26	VSTDCCC050	VN086886.D	06 Jun 2025 22:52	JC\MD	Not Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN062625

Review By	John Carlone	Review On	6/27/2025 8:47:12 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/27/2025 10:44:46 AM		
SubDirectory	VN062625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134526,VP134529
Initial Calibration Stds	
CCC	VP134527,VP134528
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087180.D	26 Jun 2025 08:40	JC\MD	Ok
2	VSTDCCC050	VN087181.D	26 Jun 2025 09:50	JC\MD	Ok,M
3	VN0626WBL01	VN087182.D	26 Jun 2025 10:25	JC\MD	Ok
4	VN0626MBL01	VN087183.D	26 Jun 2025 10:46	JC\MD	Ok
5	VN0626WBS01	VN087184.D	26 Jun 2025 11:07	JC\MD	Ok,M
6	Q2386-02	VN087185.D	26 Jun 2025 11:40	JC\MD	Ok
7	PB168572TB	VN087186.D	26 Jun 2025 12:01	JC\MD	Ok
8	VN0626WBSD01	VN087187.D	26 Jun 2025 12:22	JC\MD	Ok,M
9	Q2388-04	VN087188.D	26 Jun 2025 12:44	JC\MD	Ok
10	Q2389-04	VN087189.D	26 Jun 2025 13:05	JC\MD	Ok
11	Q2391-01	VN087190.D	26 Jun 2025 13:26	JC\MD	Ok
12	Q2394-04	VN087191.D	26 Jun 2025 13:47	JC\MD	Ok
13	Q2399-04	VN087192.D	26 Jun 2025 14:08	JC\MD	Ok
14	Q2399-08	VN087193.D	26 Jun 2025 14:29	JC\MD	ReRun
15	Q2405-04	VN087194.D	26 Jun 2025 14:49	JC\MD	Ok
16	Q2409-01	VN087195.D	26 Jun 2025 15:10	JC\MD	Ok
17	VN0626WBS02	VN087196.D	26 Jun 2025 15:31	JC\MD	Not Ok
18	BFB	VN087197.D	26 Jun 2025 16:13	JC\MD	Ok
19	VSTDICC001	VN087198.D	26 Jun 2025 16:34	JC\MD	Ok,M
20	VSTDICC005	VN087199.D	26 Jun 2025 17:15	JC\MD	Ok,M
21	VSTDICC020	VN087200.D	26 Jun 2025 17:36	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN062625

Review By	John Carlone	Review On	6/27/2025 8:47:12 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/27/2025 10:44:46 AM		
SubDirectory	VN062625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134526,VP134529
Initial Calibration Stds	
CCC	VP134527,VP134528
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDICCC050	VN087201.D	26 Jun 2025 17:57	JC\MD	Ok,M
23	VSTDICC100	VN087202.D	26 Jun 2025 18:18	JC\MD	Ok,M
24	VSTDICC150	VN087203.D	26 Jun 2025 18:39	JC\MD	Ok,M
25	IBLK	VN087204.D	26 Jun 2025 18:59	JC\MD	Ok
26	VSTDICV050	VN087205.D	26 Jun 2025 19:20	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086861.D	06 Jun 2025 07:59		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086862.D	06 Jun 2025 12:44	Method failed for com.#13	JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086863.D	06 Jun 2025 13:17		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN086864.D	06 Jun 2025 13:40		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN086865.D	06 Jun 2025 14:03		JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN086866.D	06 Jun 2025 14:26		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN086867.D	06 Jun 2025 14:49		JC\MD	Ok,M
8	IBLK	IBLK	VN086868.D	06 Jun 2025 15:12		JC\MD	Ok
9	VSTDICV050	ICVVN060625	VN086869.D	06 Jun 2025 15:54		JC\MD	Ok,M
10	VN0606WBL01	VN0606WBL01	VN086870.D	06 Jun 2025 16:47		JC\MD	Ok
11	VN0606WBL02	VN0606WBL02	VN086871.D	06 Jun 2025 17:10		JC\MD	Ok
12	VN0606WBS01	VN0606WBS01	VN086872.D	06 Jun 2025 17:33		JC\MD	Ok,M
13	VN0606WBSD01	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56		JC\MD	Ok,M
14	Q2254-01	BP-VPB-182-GW-810-8	VN086874.D	06 Jun 2025 18:19	vial A pH<2 endccc out of tune	JC\MD	Not Ok
15	Q2237-02	TW-WTS-10	VN086875.D	06 Jun 2025 18:42	vial A pH<2	JC\MD	Ok
16	Q2216-02	3887	VN086876.D	06 Jun 2025 19:05	vial A pH<2	JC\MD	Ok
17	Q2216-03	3888	VN086877.D	06 Jun 2025 19:28	vial A pH<2	JC\MD	Ok
18	Q2216-04	3864	VN086878.D	06 Jun 2025 19:51	vial A pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2216-05	3865	VN086879.D	06 Jun 2025 20:13	vial A pH<2 Out of Tune	JC\MD	Not Ok
20	Q2216-06	3851	VN086880.D	06 Jun 2025 20:36	vial A pH<2 Out of Tune	JC\MD	Not Ok
21	Q2206-04	TP-1	VN086881.D	06 Jun 2025 20:59	vial A pH<2 Out of Tune	JC\MD	Not Ok
22	Q2242-04	TP09-MHJ	VN086882.D	06 Jun 2025 21:21	vial A pH<2 Out of Tune	JC\MD	Not Ok
23	Q2192-01	SB-1	VN086883.D	06 Jun 2025 21:44	vial A pH<2 Out of Tune	JC\MD	Not Ok
24	Q2198-02	B-202-SB02	VN086884.D	06 Jun 2025 22:07	vial A pH<2 Out of Tune	JC\MD	Not Ok
25	Q2198-04	B-207-SB02	VN086885.D	06 Jun 2025 22:29	vial A pH<2 Out of Tune	JC\MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VN086886.D	06 Jun 2025 22:52	Out of Tune	JC\MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN062625

Review By	John Carlone	Review On	6/27/2025 8:47:12 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/27/2025 10:44:46 AM		
SubDirectory	VN062625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134526,VP134529
Initial Calibration Stds	
CCC	VP134527,VP134528
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	VN087180.D	26 Jun 2025 08:40		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087181.D	26 Jun 2025 09:50	pH#Lot#V12668	JC\MD	Ok,M
3	VN0626WBL01	VN0626WBL01	VN087182.D	26 Jun 2025 10:25		JC\MD	Ok
4	VN0626MBL01	VN0626MBL01	VN087183.D	26 Jun 2025 10:46		JC\MD	Ok
5	VN0626WBS01	VN0626WBS01	VN087184.D	26 Jun 2025 11:07		JC\MD	Ok,M
6	Q2386-02	SU-1-062025	VN087185.D	26 Jun 2025 11:40	vial A pH#5.0	JC\MD	Ok
7	PB168572TB	PB168572TB	VN087186.D	26 Jun 2025 12:01		JC\MD	Ok
8	VN0626WBSD01	VN0626WBSD01	VN087187.D	26 Jun 2025 12:22		JC\MD	Ok,M
9	Q2388-04	TP-12	VN087188.D	26 Jun 2025 12:44	vial A pH#5.0	JC\MD	Ok
10	Q2389-04	MH-J-I	VN087189.D	26 Jun 2025 13:05	vial A pH#5.0	JC\MD	Ok
11	Q2391-01	AUD-1623	VN087190.D	26 Jun 2025 13:26	vial A pH#5.0	JC\MD	Ok
12	Q2394-04	MH-K/L	VN087191.D	26 Jun 2025 13:47	vial A pH#5.0	JC\MD	Ok
13	Q2399-04	TP-13	VN087192.D	26 Jun 2025 14:08	vial A pH#5.0	JC\MD	Ok
14	Q2399-08	EP-7	VN087193.D	26 Jun 2025 14:29	vial A pH#5.0;Surrogate Fail	JC\MD	ReRun
15	Q2405-04	MH-M/N	VN087194.D	26 Jun 2025 14:49	vial A pH#5.0	JC\MD	Ok
16	Q2409-01	COP-SOIL-PILE	VN087195.D	26 Jun 2025 15:10	vial A pH#5.0	JC\MD	Ok
17	VN0626WBS02	VN0626WBS02	VN087196.D	26 Jun 2025 15:31	Not Required	JC\MD	Not Ok
18	BFB	BFB	VN087197.D	26 Jun 2025 16:13		JC\MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN062625

Review By	John Carlone	Review On	6/27/2025 8:47:12 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/27/2025 10:44:46 AM		
SubDirectory	VN062625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134526,VP134529
Initial Calibration Stds	
CCC	VP134527,VP134528
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDICC001	VSTDICC001	VN087198.D	26 Jun 2025 16:34	Method failed for com.#08	JC\MD	Ok,M
20	VSTDICC005	VSTDICC005	VN087199.D	26 Jun 2025 17:15	LR-9,14,15,16,17,18,20,37,56,58	JC\MD	Ok,M
21	VSTDICC020	VSTDICC020	VN087200.D	26 Jun 2025 17:36	QR- 49,51	JC\MD	Ok,M
22	VSTDICCC050	VSTDICCC050	VN087201.D	26 Jun 2025 17:57		JC\MD	Ok,M
23	VSTDICC100	VSTDICC100	VN087202.D	26 Jun 2025 18:18		JC\MD	Ok,M
24	VSTDICC150	VSTDICC150	VN087203.D	26 Jun 2025 18:39		JC\MD	Ok,M
25	IBLK	IBLK	VN087204.D	26 Jun 2025 18:59		JC\MD	Ok
26	VSTDICV050	ICVVN062625	VN087205.D	26 Jun 2025 19:20		JC\MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168572

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1

TCLP Filter ID : 50223706

Start Prep Date : 06/24/2025 **Time :** 15:30

End Prep Date : 06/25/2025 **Time :** 08:38

Combination Ratio : 20

ZHE Cleaning Batch : JP ~~N/A~~

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : IR

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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112795
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	430992	N/A

Extraction Conformance/Non-Conformance Comments:

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/25/25 10:30	JP / ICP Room	S.Y / VOC Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168572

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168572TB	LEB572	10	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-1
Q2386-02	SU-1-062025	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2388-04	TP-12	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2389-04	MH-J-I	03	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2391-01	AUD-1623	04	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2394-04	MH-K/L	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2399-04	TP-13	06	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2399-08	EP-13	07	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2405-04	MH-M/N	08	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2409-01	COP-SOIL-PILE	09	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1

Alliance TECHNICAL GROUP

TCLP Solid Determination

PB168572

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168572TB	LEB572	N/A	N/A	N/A	N/A	N/A	N/A
Q2386-02	SU-1-062025	N/A	N/A	N/A	N/A	100	N/A
Q2388-04	TP-12	N/A	N/A	N/A	N/A	100	N/A
Q2389-04	MH-J-I	N/A	N/A	N/A	N/A	100	N/A
Q2391-01	AUD-1623	N/A	N/A	N/A	N/A	100	N/A
Q2394-04	MH-K/L	N/A	N/A	N/A	N/A	100	N/A
Q2399-04	TP-13	N/A	N/A	N/A	N/A	100	N/A
Q2399-08	EP-13	N/A	N/A	N/A	N/A	100	N/A
Q2405-04	MH-M/N	N/A	N/A	N/A	N/A	100	N/A
Q2409-01	COP-SOIL-PILE	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe q2401 **WorkList ID :** 190355 **Department :** TCLP Extraction **Date :** 06-24-2025 12:50:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2386-02	SU-1-062025	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D51	06/20/2025	1311 ZHE
Q2388-04	TP-12	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D51	06/20/2025	1311 ZHE
Q2389-04	MH-J-I	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D51	06/20/2025	1311 ZHE
Q2391-01	AUD-1623	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D51	06/20/2025	1311 ZHE
Q2394-04	MH-K/L	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D41	06/20/2025	1311 ZHE
Q2399-04	TP-13	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03		06/23/2025	1311 ZHE
Q2399-08	EP-13	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	A41	06/23/2025	1311 ZHE
Q2405-04	MH-M/N	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	A41	06/23/2025	1311 ZHE
Q2409-01	COP-SOIL-PILE	Solid	TCLP ZHE Extraction	Cool 4 deg C	COPP02	D51	06/24/2025	1311 ZHE

Date/Time 06/24/25 14:45

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 06/24/25 18:00

Raw Sample Received by:

Raw Sample Relinquished by:

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2909
COC Number 2046578

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CoppolA Services
ADDRESS: 355 Fowser Rd
CITY: Millville STATE: NJ ZIP:
ATTENTION: JeFFrey SimpKins
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: CoppA Services
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

❑ Level 1 (Results Only) ❑ Level 4 (QC + Full Raw Data)
❑ Level 2 (Results + QC) ❑ NJ Reduced ❑ US EPA CLP
❑ Level 3 (Results + QC + Raw Data) ❑ NYS ASP A ❑ NYS ASP B
❑ Other _____
❑ EDD FORMAT _____

ANALYSIS

1 TCLP VOA
2 COSTOSivity
3 Ignitability
4 ReActive CN
5 ReActive SulFide
6 TCLP MetalsHgCuNiZn
7 TCLP BNA/TVS
8 TCLP Pesticides (GC)
9 T/PH GC

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								E 1	E 2	E 3	E 4	E 5	E 6	E 7	E 8	E 9	← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	Cop-SoilPile	Soil		X	6.24.25	858	2	X									1.2 ppm
2.	Cop-SoilPile	"	X		"	904	6		X	X	X	X	X	X	X	X	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. JT	925 6.24.25	1.
2.		2.
3. JT	1430 6-24-25	3.

Conditions of bottles or coolers at receipt: ✓ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 3.8 °C
Comments:

Page _____ of

CLIENT: ❑ Hand Delivered ❑ Other _____

Shipment Complete ❑ YES ❑ NO

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

CHEMTECH
Environmental Laboratory
www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Coppola Services
Service Order #:
Work Order #:
Labor WBS #:
Facility/Site: Sewage Utility of Millville
Site Address: 355 Fowser Rd Millville NJ

Chemtech Order ID:
Sampler Name: IT
Client Project Coordinator & Phone: Jeffrey Simpkins
Page #: 1 of 1
Date: 6.24.25.
Arrive Time: 845
Depart Time: 925

Waste Stream (circle one): drum / roll-off / (soil pile) / in-situ / linear construction / frac-tank

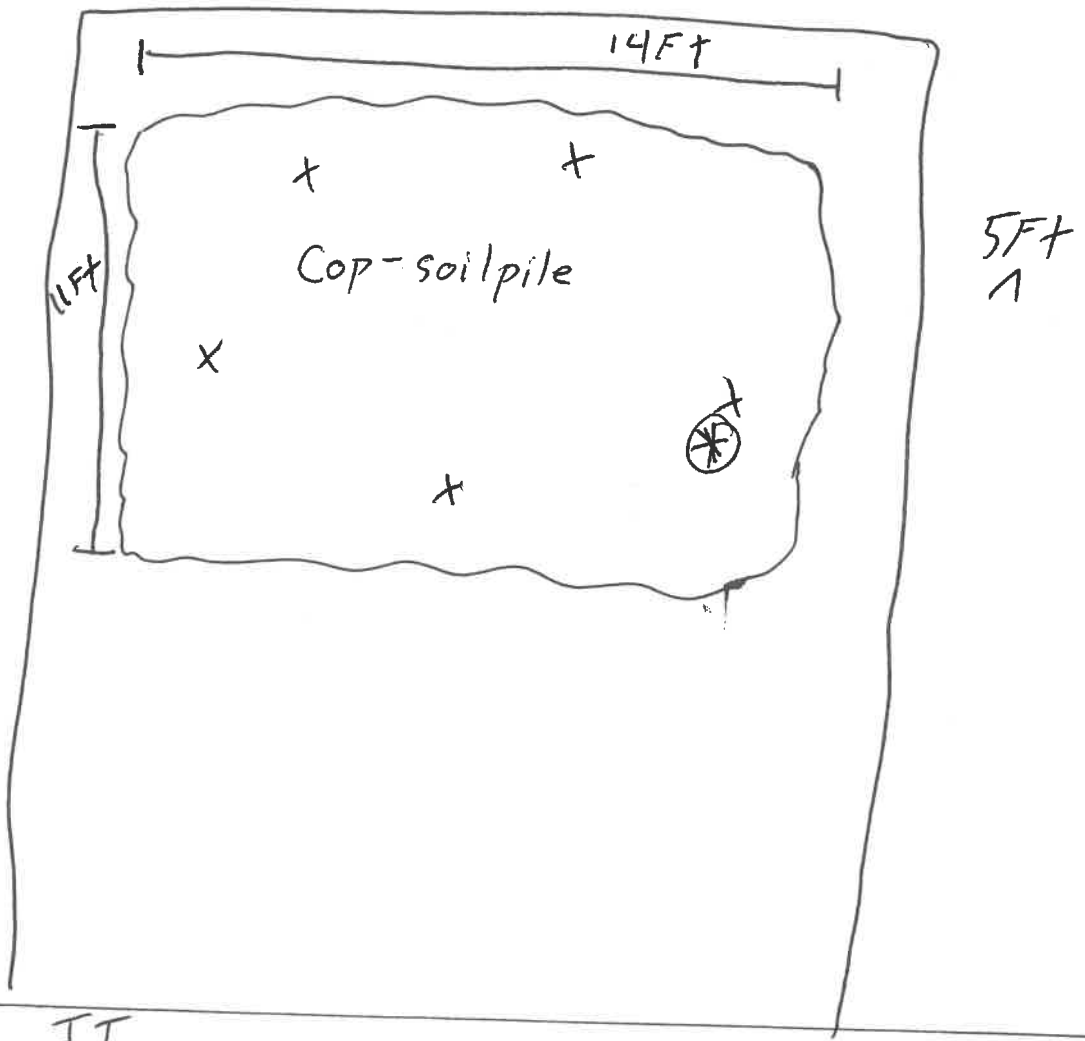
Sample Matrices (circle all that apply): Water / (Solid) / NAPL / Concrete / Wipe

Collection Depths: NA
Dimensions/CY: 14 x 11 x 5
Temp (range): 3.8 °C **PID Readings (range)**: 1.2 PPM **Odor**: Y / (N) **Color**: Y / (N)

Sample Description: Dry grayish soil - some Rocks
Field Observations: 1 small soil pile

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: IT
Client Signature:

Supervisor Review/Date:
Date/Time Arrived at Lab:

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