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

Cover Page

Order ID : Q2006

Project ID : PVSC Monthly 2025

Client : Ardmore Chemical

Lab Sample Number	Client Sample Number
Q2006-01	EFF-WW
Q2006-02	EFF-WW

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: 5/19/2025

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2006**

	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: **UPENDRA VIRPURA** **Date:** **05/19/2025**

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

LAB CHRONICLE

OrderID:	Q2006	**OrderDate:**	5/9/2025 2:30:00 PM
Client:	Ardmore Chemical	**Project:**	PVSC Monthly 2025
Contact:	Michael Sharphouse	**Location:**	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2006-01	**EFF-WW**	**Water**			**05/09/25**			**05/09/25**
			VOC-PP	624.1			05/16/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2006

Client: Ardmore Chemical

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**EFF-WW**							
Q2006-01	EFF-WW	Water	Chloroform	31.9		2.80	25.0	ug/L
			Total Voc :	31.9				
			Total Concentration:	31.9				

QC SUMMARY

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

Surrogate Summary

SDG No.: Q2006

Client: Ardmore Chemical

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2006-01	EFF-WW	1,2-Dichloroethane-d4	30	29.1	97	91	110
		Toluene-d8	30	29.5	98	91	112
		4-Bromofluorobenzene	30	27.2	91	63	112
VN0516WBL01	VN0516WBL01	1,2-Dichloroethane-d4	30	28.6	95	91	110
		Toluene-d8	30	29.8	99	91	112
		4-Bromofluorobenzene	30	26.5	88	63	112
VN0516WBS01	VN0516WBS01	1,2-Dichloroethane-d4	30	29.1	97	91	110
		Toluene-d8	30	29.3	98	91	112
		4-Bromofluorobenzene	30	29.2	97	63	112
VN0516WBSD0	VN0516WBSD01	1,2-Dichloroethane-d4	30	29.1	97	91	110
		Toluene-d8	30	29.5	98	91	112
		4-Bromofluorobenzene	30	28.9	96	63	112

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2006

Client: Ardmore Chemical

Analytical Method: SW624.1 **Datafile :** VN086662.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0516WBS01	Chloromethane	20	19.6	ug/L	98			1	205	
	Vinyl Chloride	20	19.0	ug/L	95			5	195	
	Bromomethane	20	20.9	ug/L	104			15	185	
	Chloroethane	20	19.0	ug/L	95			40	160	
	Trichlorofluoromethane	20	20.2	ug/L	101			50	150	
	1,1-Dichloroethene	20	19.8	ug/L	99			50	150	
	Acrolein	100	130	ug/L	130			60	140	
	Acrylonitrile	100	110	ug/L	110			60	140	
	Methylene Chloride	20	21.2	ug/L	106			60	140	
	trans-1,2-Dichloroethene	20	19.7	ug/L	99			70	130	
	1,1-Dichloroethane	20	20.0	ug/L	100			70	130	
	Carbon Tetrachloride	20	19.7	ug/L	99			70	130	
	Chloroform	20	20.2	ug/L	101			70	135	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			70	130	
	Benzene	20	19.8	ug/L	99			65	135	
	1,2-Dichloroethane	20	19.4	ug/L	97			70	130	
	Trichloroethene	20	19.5	ug/L	98			65	135	
	1,2-Dichloropropane	20	19.5	ug/L	98			35	165	
	Bromodichloromethane	20	19.6	ug/L	98			65	135	
	Toluene	20	19.4	ug/L	97			70	130	
	t-1,3-Dichloropropene	20	18.7	ug/L	94			50	150	
	cis-1,3-Dichloropropene	20	19.2	ug/L	96			25	175	
	1,1,2-Trichloroethane	20	20.2	ug/L	101			70	130	
	2-Chloroethyl vinyl ether	100	91.8	ug/L	92			1	225	
	Dibromochloromethane	20	19.7	ug/L	99			70	135	
	Tetrachloroethene	20	19.8	ug/L	99			70	130	
	Chlorobenzene	20	20.2	ug/L	101			65	135	
	Ethyl Benzene	20	19.0	ug/L	95			60	140	
	m/p-Xylenes	40	38.9	ug/L	97			87	111	
	o-Xylene	20	19.4	ug/L	97			87	111	
	Bromoform	20	19.7	ug/L	99			70	130	
	1,1,2,2-Tetrachloroethane	20	22.2	ug/L	111			60	140	
	1,3-Dichlorobenzene	20	19.4	ug/L	97			70	130	
	1,4-Dichlorobenzene	20	19.2	ug/L	96			65	135	
	1,2-Dichlorobenzene	20	19.8	ug/L	99			65	135	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2006

Client: Ardmore Chemical

Analytical Method: SW624.1 **Datafile :** VN086663.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0516WBSD01	Chloromethane	20	18.4	ug/L	92	6		1	205	20
	Vinyl Chloride	20	17.7	ug/L	89	7		5	195	20
	Bromomethane	20	20.4	ug/L	102	2		15	185	20
	Chloroethane	20	18.2	ug/L	91	4		40	160	20
	Trichlorofluoromethane	20	19.5	ug/L	98	3		50	150	20
	1,1-Dichloroethene	20	19.6	ug/L	98	1		50	150	20
	Acrolein	100	130	ug/L	130	0		60	140	20
	Acrylonitrile	100	110	ug/L	110	0		60	140	20
	Methylene Chloride	20	20.4	ug/L	102	4		60	140	20
	trans-1,2-Dichloroethene	20	19.1	ug/L	96	3		70	130	20
	1,1-Dichloroethane	20	19.4	ug/L	97	3		70	130	20
	Carbon Tetrachloride	20	19.6	ug/L	98	1		70	130	20
	Chloroform	20	19.8	ug/L	99	2		70	135	20
	1,1,1-Trichloroethane	20	19.8	ug/L	99	2		70	130	20
	Benzene	20	20.1	ug/L	101	2		65	135	20
	1,2-Dichloroethane	20	20.4	ug/L	102	5		70	130	20
	Trichloroethene	20	19.6	ug/L	98	0		65	135	20
	1,2-Dichloropropane	20	19.9	ug/L	100	2		35	165	20
	Bromodichloromethane	20	20.2	ug/L	101	3		65	135	20
	Toluene	20	19.7	ug/L	99	2		70	130	20
	t-1,3-Dichloropropene	20	19.2	ug/L	96	2		50	150	20
	cis-1,3-Dichloropropene	20	19.3	ug/L	97	1		25	175	20
	1,1,2-Trichloroethane	20	21.1	ug/L	106	5		70	130	20
	2-Chloroethyl vinyl ether	100	93.8	ug/L	94	2		1	225	20
	Dibromochloromethane	20	20.1	ug/L	101	2		70	135	20
	Tetrachloroethene	20	19.9	ug/L	100	1		70	130	20
	Chlorobenzene	20	20.1	ug/L	101	0		65	135	20
	Ethyl Benzene	20	19.2	ug/L	96	1		60	140	20
	m/p-Xylenes	40	38.8	ug/L	97	0		87	111	20
	o-Xylene	20	19.5	ug/L	98	1		87	111	20
	Bromoform	20	20.2	ug/L	101	2		70	130	20
	1,1,2,2-Tetrachloroethane	20	22.9	ug/L	115	4		60	140	20
	1,3-Dichlorobenzene	20	19.2	ug/L	96	1		70	130	20
	1,4-Dichlorobenzene	20	19.2	ug/L	96	0		65	135	20
	1,2-Dichlorobenzene	20	20.0	ug/L	100	1		65	135	20

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0516WBL01

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q2006 SAS No.: Q2006 SDG NO.: Q2006

Lab File ID: VN086664.D Lab Sample ID: VN0516WBL01

Date Analyzed: 05/16/2025 Time Analyzed: 13:20

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
VN0516WBS01	VN0516WBS01	VN086662.D	05/16/2025
VN0516WBSD01	VN0516WBSD01	VN086663.D	05/16/2025
EFF-WW	Q2006-01	VN086665.D	05/16/2025

COMMENTS:

Alliance TECHNICAL GROUP

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q2006 SAS No.: Q2006 SDG NO.: Q2006

Lab File ID: VN086371.D BFB Injection Date: 04/23/2025

Instrument ID: MSVOA_N BFB Injection Time: 08:43

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	19.9
75	30.0 - 60.0% of mass 95	52.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	70.5
175	5.0 - 9.0% of mass 174	5.5 (7.7) 1
176	95.0 - 101.0% of mass 174	67.1 (95.1) 1
177	5.0 - 9.0% of mass 176	4.7 (7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VN086372.D	04/23/2025	09:22
VSTDICCC020	VSTDICCC020	VN086373.D	04/23/2025	09:45
VSTDICC150	VSTDICC150	VN086378.D	04/23/2025	11:53
VSTDICC100	VSTDICC100	VN086379.D	04/23/2025	12:37
VSTDICC050	VSTDICC050	VN086380.D	04/23/2025	13:17

Raw Data: **VN086660.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q2006 SAS No.: Q2006 SDG NO.: Q2006

Lab File ID: VN086660.D BFB Injection Date: 05/16/2025

Instrument ID: MSVOA_N BFB Injection Time: 09:17

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	17.8
75	30.0 - 60.0% of mass 95	49.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	72.6
175	5.0 - 9.0% of mass 174	4.9 (6.8) 1
176	95.0 - 101.0% of mass 174	69.4 (95.5) 1
177	5.0 - 9.0% of mass 176	4.5 (6.5) 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
VSTDCCC020	VSTDCCC020	VN086661.D	05/16/2025	11:37
VN0516WBS01	VN0516WBS01	VN086662.D	05/16/2025	12:13
VN0516WBSD01	VN0516WBSD01	VN086663.D	05/16/2025	12:46
VN0516WBL01	VN0516WBL01	VN086664.D	05/16/2025	13:20
EFF-WW	Q2006-01	VN086665.D	05/16/2025	13:54

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q2006 SAS No.: Q2006 SDG NO.: Q2006

Lab File ID: VN086661.D Date Analyzed: 05/16/2025

Instrument ID: MSVOA_N Time Analyzed: 11:37

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	29831	7.81	175700	9.10	163950	11.87
UPPER LIMIT	59662	8.306	351400	9.6	327900	12.365
LOWER LIMIT	14915.5	7.306	87850	8.6	81975	11.365
EPA SAMPLE NO.						
EFF-WW	28982	7.81	166943	9.10	151707	11.87
VN0516WBL01	29934	7.81	171805	9.10	155509	11.87
VN0516WBS01	28843	7.81	173361	9.10	161573	11.87
VN0516WBSD01	28926	7.81	168023	9.10	156348	11.87

IS1 = Bromochloromethane
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.

SAMPLE DATA

Raw Data: **VN086665.D**

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

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	05/09/25
Project:	PVSC Monthly 2025	Date Received:	05/09/25
Client Sample ID:	EFF-WW	SDG No.:	Q2006
Lab Sample ID:	Q2006-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-PP
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086665.D	5		05/16/25 13:54	VN051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	3.20	U	3.20	25.0	ug/L
75-01-4	Vinyl Chloride	4.20	U	4.20	25.0	ug/L
74-83-9	Bromomethane	4.00	U	4.00	25.0	ug/L
75-00-3	Chloroethane	11.6	U	11.6	25.0	ug/L
75-69-4	Trichlorofluoromethane	4.00	U	4.00	25.0	ug/L
75-35-4	1,1-Dichloroethene	3.80	U	3.80	25.0	ug/L
107-02-8	Acrolein	33.1	U	33.1	130	ug/L
107-13-1	Acrylonitrile	14.0	U	14.0	130	ug/L
75-09-2	Methylene Chloride	4.30	U	4.30	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	4.10	U	4.10	25.0	ug/L
75-34-3	1,1-Dichloroethane	3.40	U	3.40	25.0	ug/L
56-23-5	Carbon Tetrachloride	3.70	U	3.70	25.0	ug/L
67-66-3	Chloroform	31.9		2.80	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	3.20	U	3.20	25.0	ug/L
71-43-2	Benzene	2.30	U	2.30	25.0	ug/L
107-06-2	1,2-Dichloroethane	2.50	U	2.50	25.0	ug/L
79-01-6	Trichloroethene	2.50	U	2.50	25.0	ug/L
78-87-5	1,2-Dichloropropane	2.30	U	2.30	25.0	ug/L
75-27-4	Bromodichloromethane	3.20	U	3.20	25.0	ug/L
108-88-3	Toluene	2.30	U	2.30	25.0	ug/L
10061-02-6	t-1,3-Dichloropropene	3.60	U	3.60	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	3.40	U	3.40	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.30	U	2.30	25.0	ug/L
110-75-8	2-Chloroethyl vinyl ether	23.2	U	23.2	130	ug/L
124-48-1	Dibromochloromethane	3.30	U	3.30	25.0	ug/L
127-18-4	Tetrachloroethene	4.20	U	4.20	25.0	ug/L
108-90-7	Chlorobenzene	2.40	U	2.40	25.0	ug/L
100-41-4	Ethyl Benzene	2.80	U	2.80	25.0	ug/L
179601-23-1	m/p-Xylenes	6.50	U	6.50	50.0	ug/L
95-47-6	o-Xylene	3.40	U	3.40	25.0	ug/L

Raw Data: **VN086665.D**

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

Report of Analysis

Client:	Ardmore Chemical		Date Collected:	05/09/25	
Project:	PVSC Monthly 2025		Date Received:	05/09/25	
Client Sample ID:	EFF-WW		SDG No.:	Q2006	
Lab Sample ID:	Q2006-01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	VOC-PP	
GC Column:	RXI-624 ID : 0.25		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086665.D	5		05/16/25 13:54	VN051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	4.70	U	4.70	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.20	U	2.20	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	3.40	U	3.40	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	4.10	U	4.10	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	3.40	U	3.40	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.1		91 - 110	97%	SPK: 30
2037-26-5	Toluene-d8	29.5		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.2		63 - 112	91%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	29000	7.812			
540-36-3	1,4-Difluorobenzene	167000	9.1			
3114-55-4	Chlorobenzene-d5	152000	11.865			

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\VN051625\
Data File : VN086665.D
Acq On : 16 May 2025 13:54
Operator : JC\MD
Sample : Q2006-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Quant Time: May 16 23:03:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

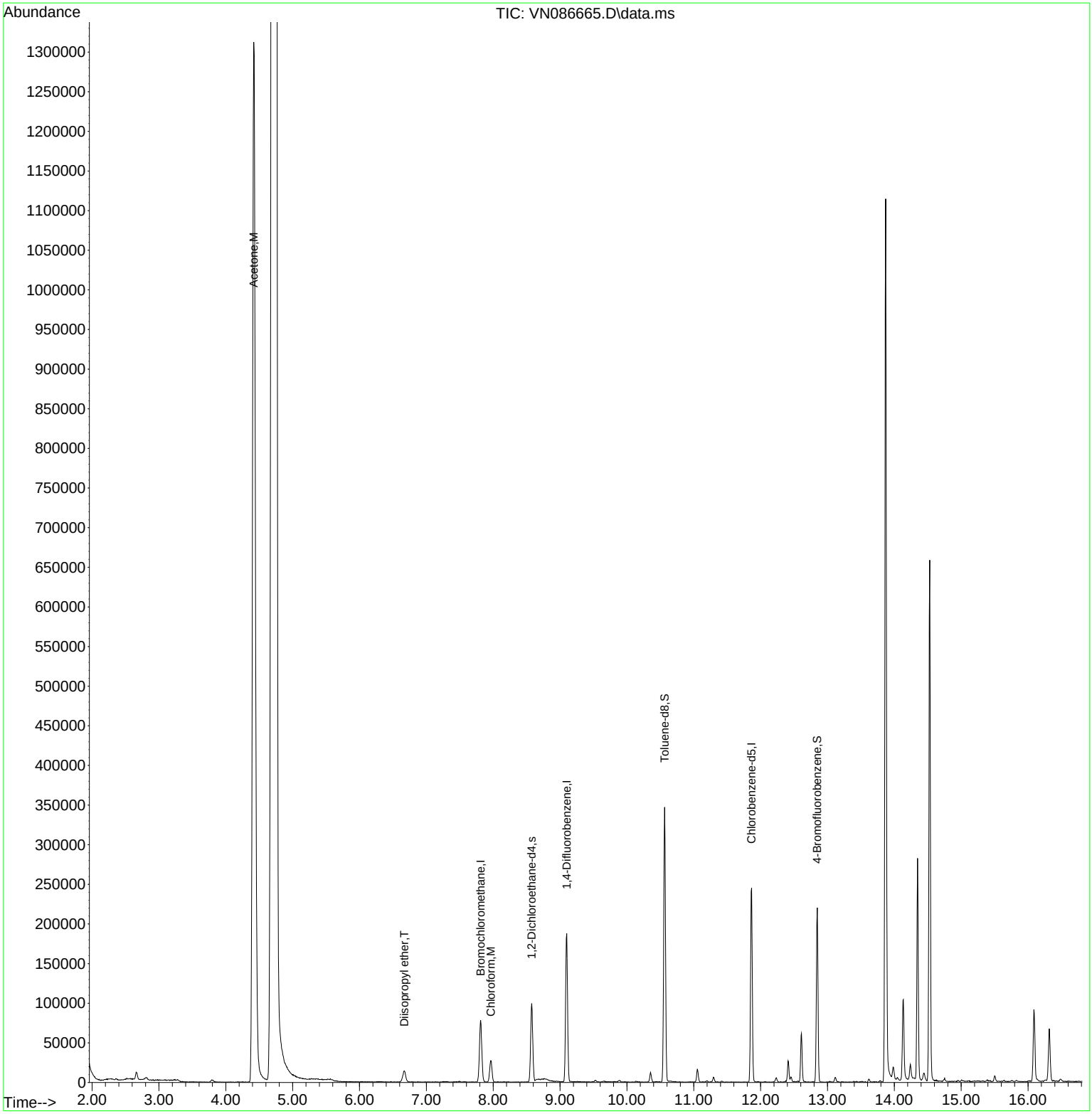
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	28982	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	166943	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	151707	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	81412	29.136	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.133%			
60) 4-Bromofluorobenzene	12.847	95	81007	27.168	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 90.567%			
63) Toluene-d8	10.565	98	246017	29.477	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.267%			
Target Compounds						Qvalue
15) Acetone	4.418	58	824995	2807.028	ug/l	91
20) Diisopropyl ether	6.671	45	18400	2.394	ug/l	94
25) Chloroform	7.965	83	27177	6.382	ug/l	93

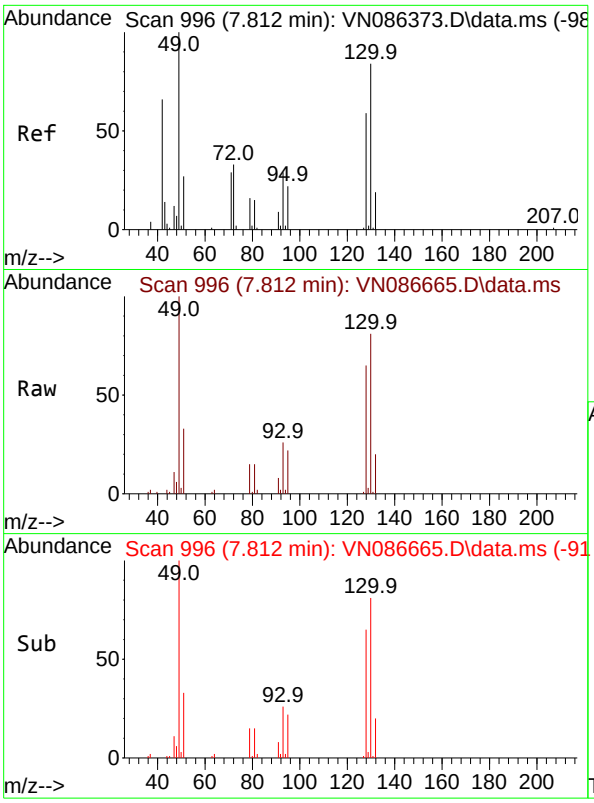
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086665.D
Acq On : 16 May 2025 13:54
Operator : JC\MD
Sample : Q2006-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Quant Time: May 16 23:03:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration



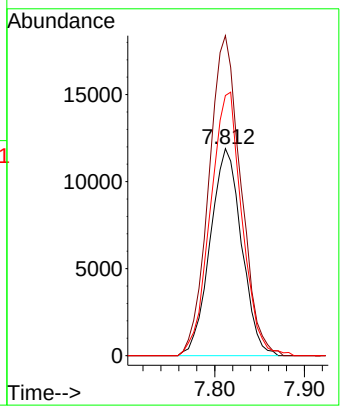


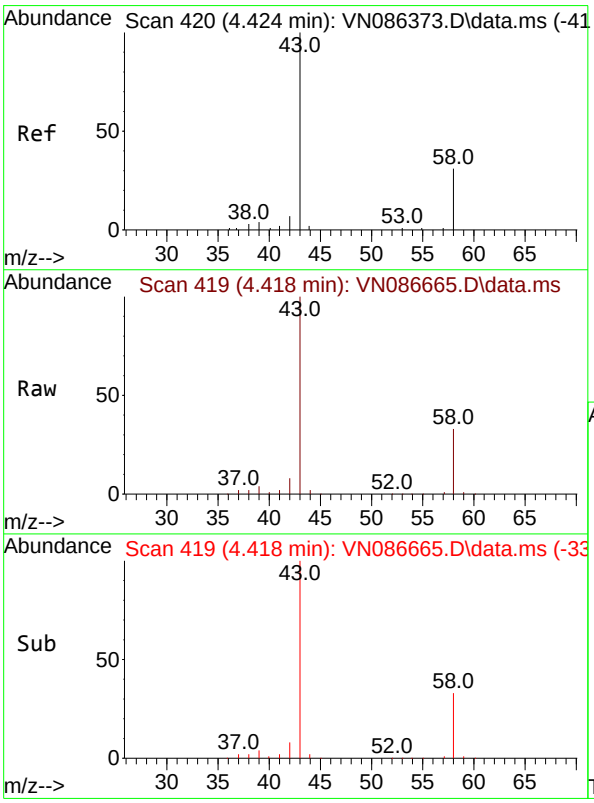
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN086665.D
Acq: 16 May 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:128 Resp: 28982

Ion	Ratio	Lower	Upper
128	100		
49	156.9	0.0	433.8
130	128.2	0.0	325.0

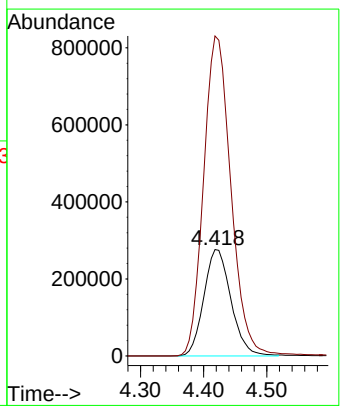


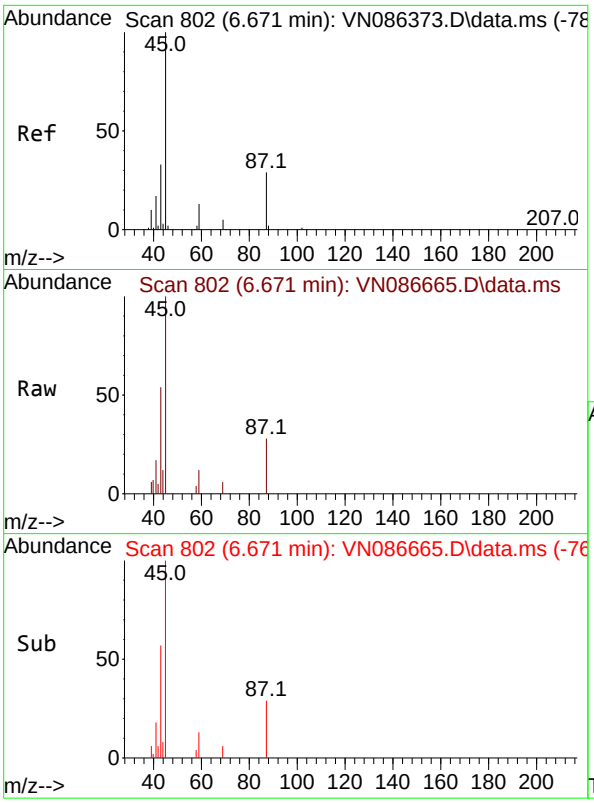


#15
Acetone
Concen: 2807.028 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086665.D
Acq: 16 May 2025 13:54

Tgt Ion: 58 Resp: 824995

Ion	Ratio	Lower	Upper
58	100		
43	300.5	255.1	382.7



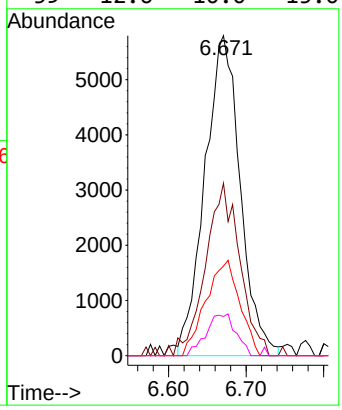


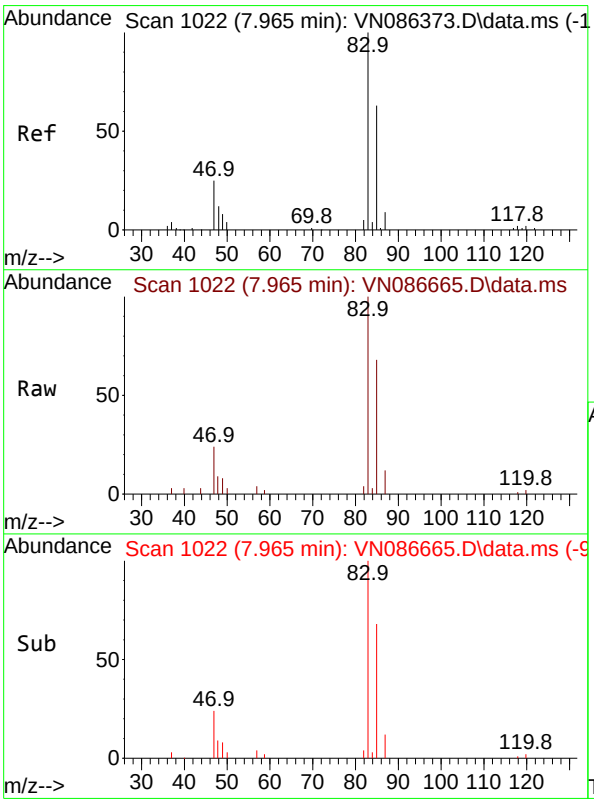
#20
Diisopropyl ether
Concen: 2.394 ug/l
RT: 6.671 min Scan# 8
Delta R.T. -0.000 min
Lab File: VN086665.D
Acq: 16 May 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 45 Resp: 18400

Ion	Ratio	Lower	Upper
45	100		
43	55.4	38.8	58.2
87	28.8	23.5	35.3
59	12.6	10.0	15.0

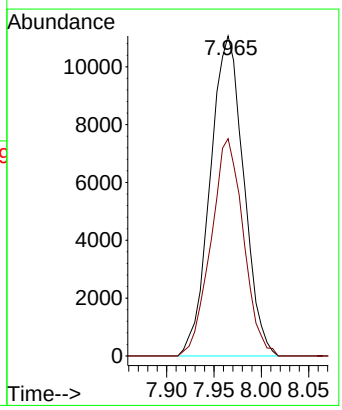


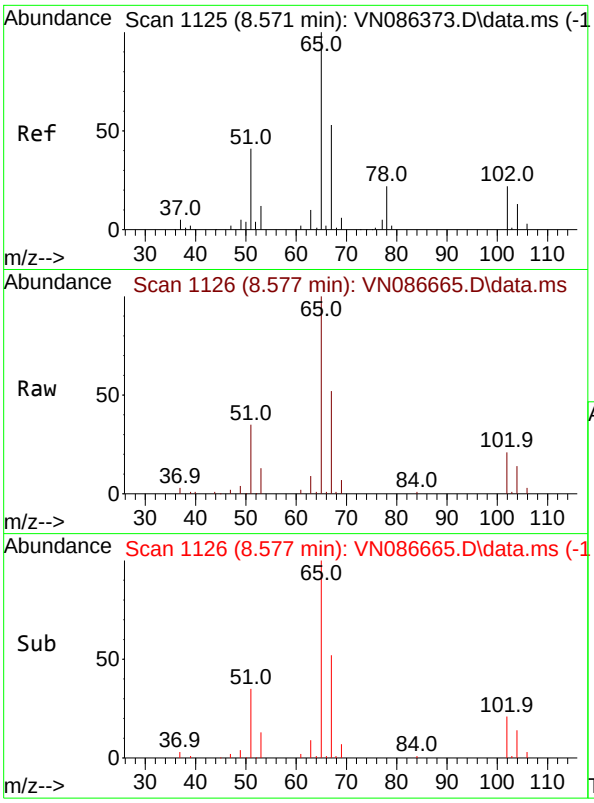


#25
Chloroform
Concen: 6.382 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN086665.D
Acq: 16 May 2025 13:54

Tgt Ion: 83 Resp: 27177

Ion	Ratio	Lower	Upper
83	100		
85	67.9	50.2	75.2



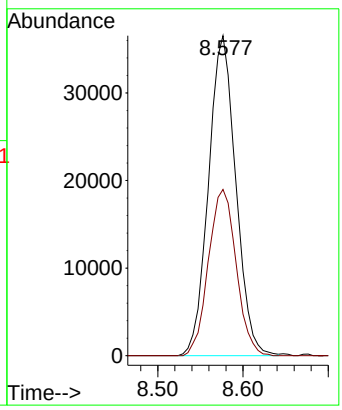


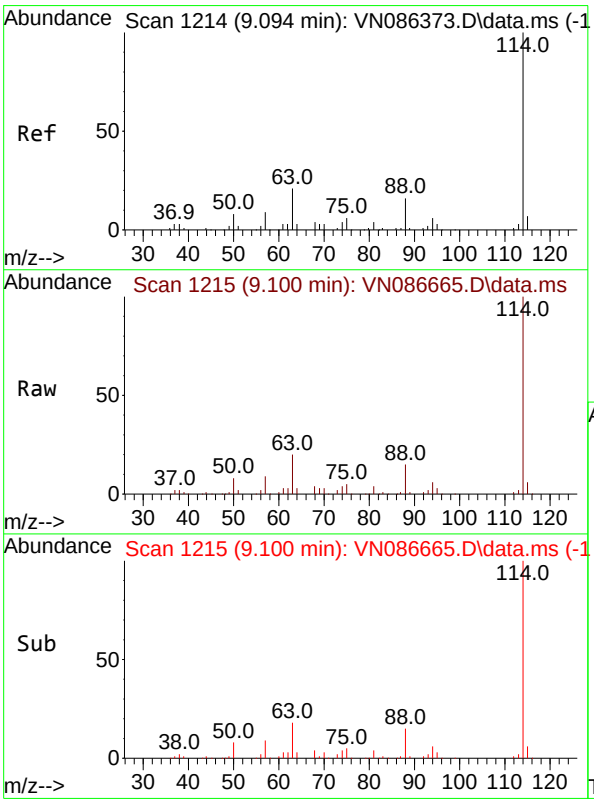
#27
1,2-Dichloroethane-d4
Concen: 29.136 ug/l
RT: 8.577 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086665.D
Acq: 16 May 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 65 Resp: 81412

Ion	Ratio	Lower	Upper
65	100		
67	52.8	42.5	63.7

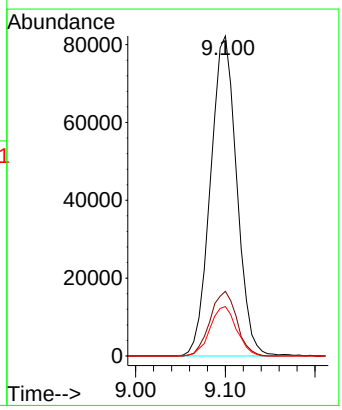


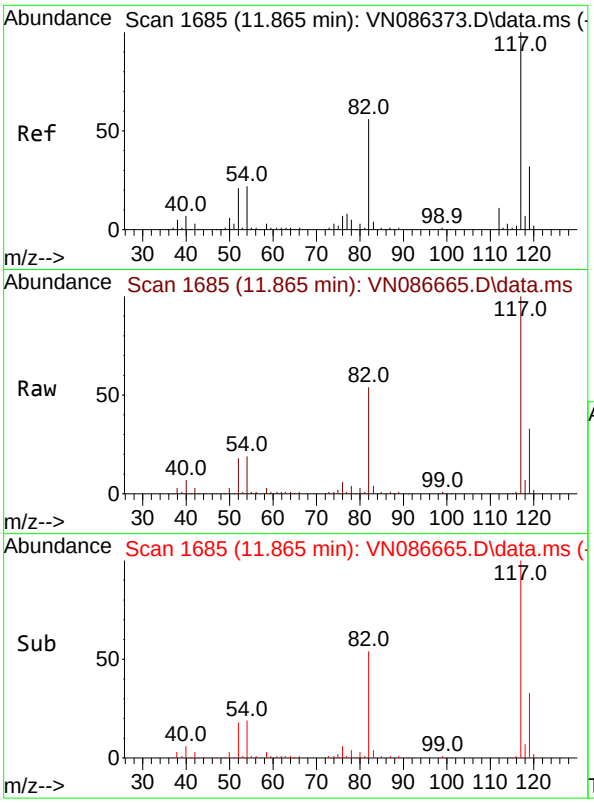


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN086665.D
Acq: 16 May 2025 13:54

Tgt Ion:114 Resp: 166943

Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.7	25.1
88	15.6	12.6	19.0



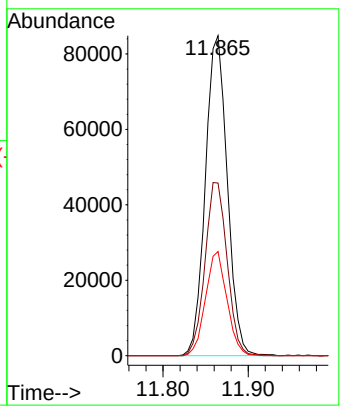


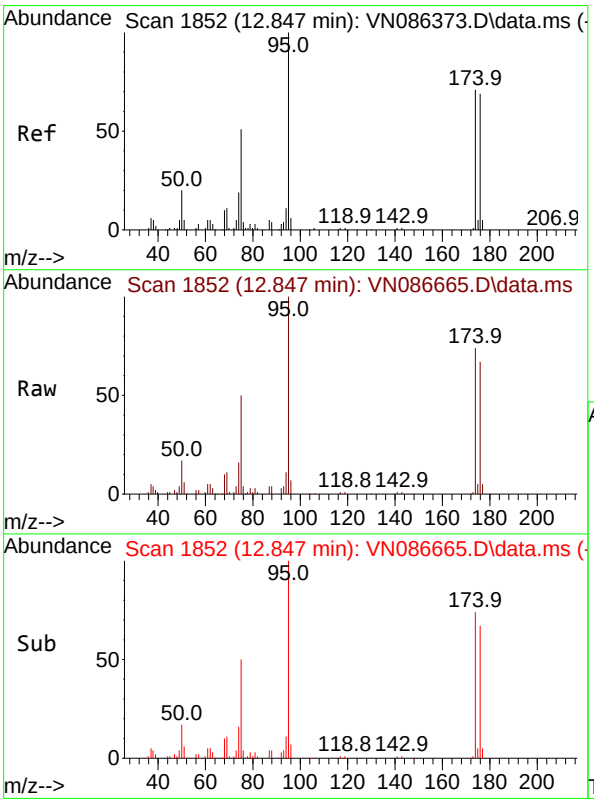
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086665.D
Acq: 16 May 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:117 Resp: 151707

Ion	Ratio	Lower	Upper
117	100		
82	54.6	45.5	68.3
119	31.8	25.9	38.9

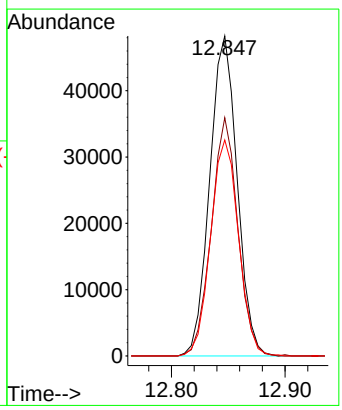


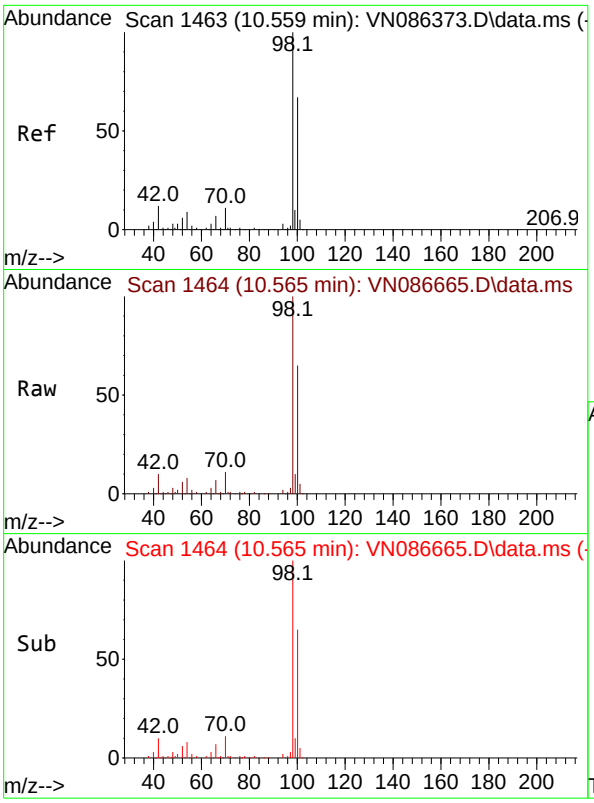


#60
4-Bromofluorobenzene
Concen: 27.168 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086665.D
Acq: 16 May 2025 13:54

Tgt Ion: 95 Resp: 81007

Ion	Ratio	Lower	Upper
95	100		
174	71.9	56.6	84.8
176	68.8	53.3	79.9



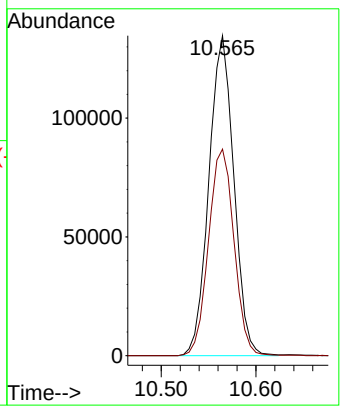


#63
Toluene-d8
Concen: 29.477 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN086665.D
Acq: 16 May 2025 13:54

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 98 Resp: 246017

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.1	79.7



CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q2006 SAS No.: Q2006 SDG No.: Q2006

Instrument ID: MSVOA_N Calibration Date(s): 04/23/2025 04/23/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:22 13:17

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

LAB FILE ID: RRF005 = VN086372.D RRF020 = VN086373.D RRF150 = VN086378.D
RRF100 = VN086379.D RRF050 = VN086380.D RRF =

COMPOUND	RRF005	RRF020	RRF150	RRF100	RRF050	RRF	$\overline{RRF}$	% RSD
Chloromethane	3.216	2.904	2.653	3.019	2.918		2.942	6.9
Vinyl Chloride	2.886	2.817	2.651	2.876	2.859		2.818	3.4
Bromomethane	1.616	1.501	1.345	1.430	1.464		1.471	6.8
Chloroethane	2.003	1.878	1.799	1.857	1.855		1.879	4
Trichlorofluoromethane	3.412	3.403	3.188	3.348	3.279		3.326	2.8
1,1-Dichloroethene	2.187	2.095	2.008	2.096	2.078		2.093	3
Acrolein	0.278	0.128	0.108	0.118	0.120		0.150	47.8
Acrylonitrile	1.077	1.106	1.102	1.110	1.125		1.104	1.6
Methylene Chloride	2.496	2.378	2.310	2.375	2.359		2.383	2.9
trans-1,2-Dichloroethene	2.358	2.200	2.184	2.227	2.184		2.231	3.3
1,1-Dichloroethane	4.480	4.324	4.288	4.368	4.318		4.356	1.7
Carbon Tetrachloride	0.511	0.508	0.530	0.541	0.510		0.520	2.9
Chloroform	4.536	4.461	4.319	4.386	4.338		4.408	2
1,1,1-Trichloroethane	0.641	0.613	0.639	0.651	0.616		0.632	2.6
Benzene	1.686	1.635	1.701	1.748	1.641		1.682	2.8
1,2-Dichloroethane	0.546	0.533	0.555	0.567	0.530		0.546	2.8
Trichloroethene	0.410	0.397	0.441	0.440	0.417		0.421	4.6
1,2-Dichloropropane	0.432	0.402	0.415	0.427	0.402		0.416	3.3
Bromodichloromethane	0.580	0.571	0.599	0.612	0.579		0.588	2.8
Toluene	2.025	1.957	2.024	2.071	1.963		2.008	2.4
t-1,3-Dichloropropene	0.625	0.629	0.691	0.699	0.644		0.657	5.3
cis-1,3-Dichloropropene	0.668	0.664	0.721	0.732	0.682		0.693	4.5
1,1,2-Trichloroethane	0.375	0.383	0.401	0.404	0.378		0.388	3.5
2-Chloroethyl vinyl ether	0.293	0.309	0.344	0.328	0.315		0.318	6.1
Dibromochloromethane	0.415	0.419	0.457	0.458	0.430		0.436	4.7
Tetrachloroethene	0.475	0.432	0.471	0.468	0.441		0.458	4.3
Chlorobenzene	1.261	1.216	1.268	1.291	1.220		1.251	2.6
Ethyl Benzene	2.219	2.187	2.335	2.359	2.202		2.260	3.5
m/p-Xylenes	0.849	0.824	0.889	0.894	0.832		0.858	3.8
o-Xylene	0.825	0.804	0.878	0.876	0.816		0.840	4.1

* 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.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q2006 SAS No.: Q2006 SDG No.: Q2006

Instrument ID: MSVOA_N Calibration Date(s): 04/23/2025 04/23/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:22 13:17

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

LAB FILE ID: RRF005 = VN086372.D RRF020 = VN086373.D RRF150 = VN086378.D
RRF100 = VN086379.D RRF050 = VN086380.D RRF =

COMPOUND	RRF005	RRF020	RRF150	RRF100	RRF050	RRF	$\overline{RRF}$	% RSD
Bromoform	0.253	0.274	0.308	0.302	0.277		0.283	7.9
1,1,2,2-Tetrachloroethane	0.562	0.566	0.541	0.553	0.539		0.552	2.2
1,3-Dichlorobenzene	0.837	0.834	1.011	0.961	0.912		0.911	8.5
1,4-Dichlorobenzene	0.841	0.825	0.991	0.951	0.891		0.900	7.9
1,2-Dichlorobenzene	0.830	0.800	0.938	0.906	0.860		0.867	6.5
1,2-Dichloroethane-d4	2.976	2.979	2.796	2.764	2.947		2.892	3.6
Toluene-d8	1.667	1.660	1.634	1.636	1.655		1.650	0.9
4-Bromofluorobenzene	0.564	0.577	0.621	0.601	0.585		0.590	3.7

* 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 : 624N042325W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Thu Apr 24 04:42:24 2025
Response Via : Initial Calibration

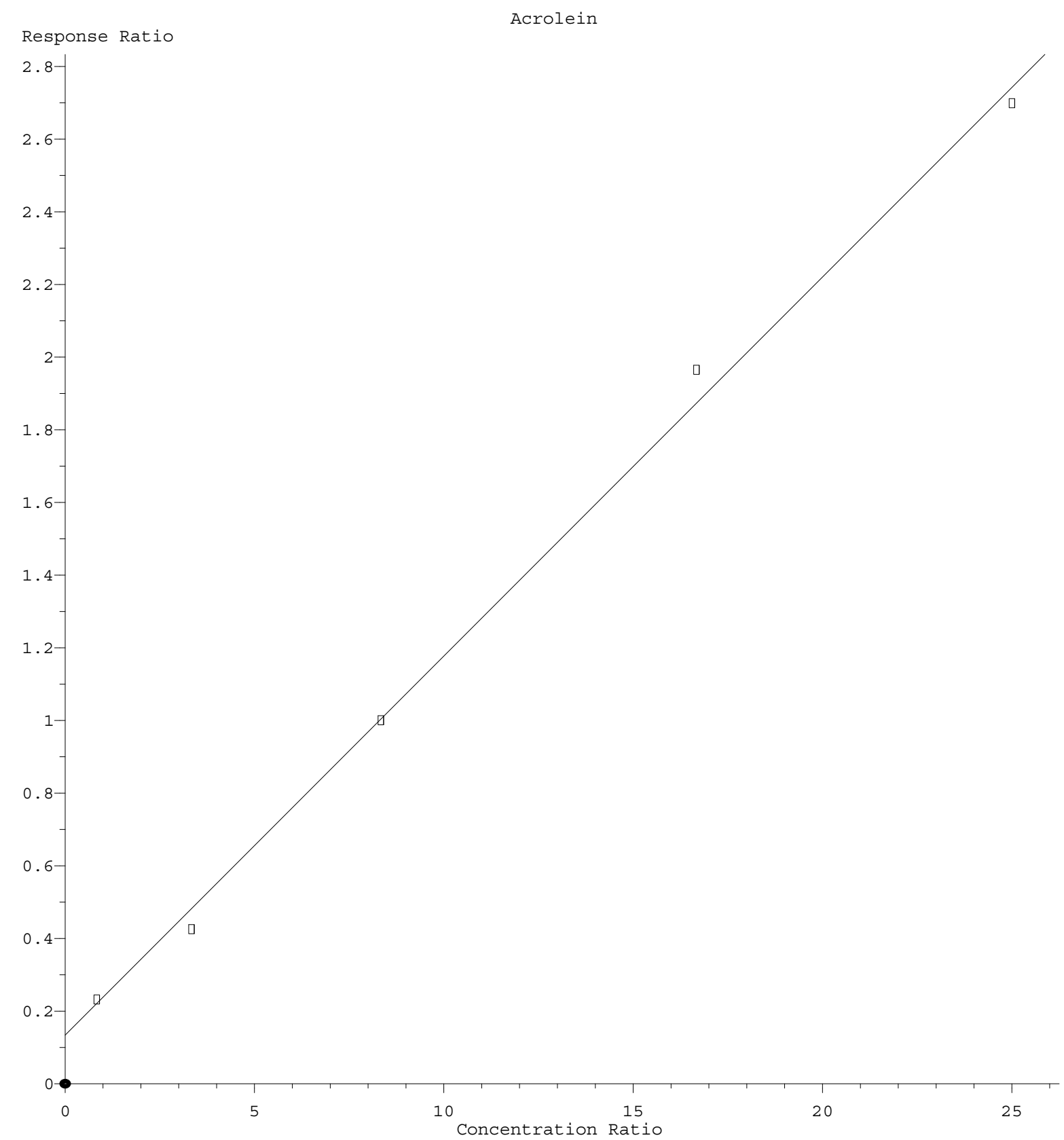
Calibration Files
5 =VN086372.D 20 =VN086373.D 50 =VN086380.D 100 =VN086379.D 150 =VN086378.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.917	2.126	2.171	2.167	1.975	2.071	5.68
3)	M	Chloromethane	3.216	2.904	2.918	3.019	2.653	2.942	6.93
4)	M	Vinyl Chloride	2.886	2.817	2.859	2.876	2.651	2.818	3.44
5)	M	Bromomethane	1.616	1.501	1.464	1.430	1.345	1.471	6.75
6)	M	Chloroethane	2.003	1.878	1.855	1.857	1.799	1.879	4.02
7)	M	Trichlorofluorom...	3.412	3.403	3.279	3.348	3.188	3.326	2.81
8)	T	Diethyl Ether	1.450	1.385	1.431	1.404	1.351	1.404	2.74
9)		1,1,2-Trichlorot...	2.047	2.048	2.067	2.076	1.986	2.045	1.72
10)	M	1,1-Dichloroethene	2.187	2.095	2.078	2.096	2.008	2.093	3.04
11)		Methyl Iodide	2.367	2.424	2.474	2.513	2.465	2.449	2.26
12)		Methyl Acetate	2.724	3.004	3.062	2.996	3.045	2.966	4.65
13)	M	Acrolein	0.278	0.128	0.120	0.118	0.108	0.150	47.78
14)	M	Acrylonitrile	1.077	1.106	1.125	1.110	1.102	1.104	1.61
15)	M	Acetone	0.322	0.279	0.314	0.308	0.299	0.304	5.45
16)	M	Carbon Disulfide	6.254	5.604	5.547	5.281	4.888	5.515	9.08
17)		Allyl chloride	3.566	3.253	3.306	3.383	3.225	3.346	4.09
18)	M	Methylene Chloride	2.496	2.378	2.359	2.375	2.310	2.383	2.87
19)	M	trans-1,2-Dichlo...	2.358	2.200	2.184	2.227	2.184	2.231	3.29
20)	T	Diisopropyl ether	7.877	7.820	7.946	8.163	7.978	7.957	1.64
21)	M	1,1-Dichloroethane	4.480	4.324	4.318	4.368	4.288	4.355	1.73
22)	M	cis-1,2-Dichloro...	2.887	2.738	2.736	2.819	2.766	2.789	2.30
23)	M	tert-Butyl Alcohol	0.458	0.454	0.430	0.400	0.395	0.428	6.87
24)	M	Methyl tert-Buty...	7.806	7.711	7.760	7.761	7.625	7.733	0.89
25)	M	Chloroform	4.536	4.461	4.338	4.386	4.319	4.408	2.05
26)		Cyclohexane	4.076	3.777	3.814	3.828	3.734	3.846	3.48
27)	s	1,2-Dichloroetha...	2.976	2.979	2.947	2.764	2.796	2.892	3.59
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.520	0.506	0.521	0.556	0.541	0.529	3.75
30)	M	2-Butanone	0.249	0.247	0.257	0.267	0.263	0.257	3.31
31)		2,2-Dichloropropane	0.689	0.658	0.662	0.699	0.690	0.680	2.68
32)	M	1,1,1-Trichloroe...	0.641	0.613	0.616	0.651	0.639	0.632	2.59
33)	M	Carbon Tetrachlo...	0.511	0.508	0.510	0.541	0.530	0.520	2.86
34)	M	Benzene	1.686	1.635	1.641	1.748	1.701	1.682	2.76
35)		Methacrylonitrile	0.271	0.299	0.290	0.303	0.301	0.293	4.50
36)	M	1,2-Dichloroethane	0.546	0.533	0.530	0.567	0.555	0.546	2.82
37)	M	Trichloroethene	0.410	0.397	0.417	0.440	0.441	0.421	4.55
38)		Methylcyclohexane	0.602	0.589	0.606	0.643	0.614	0.611	3.34
39)	M	1,2-Dichloropropane	0.432	0.402	0.402	0.427	0.415	0.416	3.32
40)		Dibromomethane	0.279	0.272	0.269	0.285	0.284	0.278	2.47
41)	M	Bromodichloromet...	0.580	0.571	0.579	0.612	0.599	0.588	2.85
42)	M	Vinyl Acetate	0.925	0.879	0.895	0.905	0.843	0.889	3.47
43)		Ethyl Acetate	0.569	0.474	0.482	0.510	0.505	0.508	7.33
44)		Isopropyl Acetate	1.032	0.932	0.939	0.967	0.951	0.964	4.17
45)	T	1,4-Dioxane	0.007	0.008	0.008	0.008	0.007	0.008	2.55
46)		Methyl methacrylate	0.441	0.431	0.439	0.458	0.455	0.445	2.59
47)		n-amyl Acetate	0.751	0.783	0.802	0.867	0.906	0.822	7.70
48)	M	t-1,3-Dichloropr...	0.625	0.629	0.644	0.699	0.691	0.657	5.33
49)	T	cis-1,3-Dichloro...	0.668	0.664	0.682	0.732	0.721	0.693	4.47
50)	M	1,1,2-Trichloroe...	0.375	0.383	0.378	0.404	0.401	0.388	3.49
51)		Ethyl methacrylate	0.630	0.647	0.671	0.718	0.714	0.676	5.81
52)		1,3-Dichloropropane	0.671	0.667	0.674	0.714	0.705	0.686	3.19
53)	M	Dibromochloromet...	0.415	0.419	0.430	0.458	0.457	0.436	4.66
54)	M	1,2-Dibromoethane	0.384	0.384	0.387	0.411	0.407	0.395	3.37
55)	M	2-Chloroethyl vi...	0.293	0.309	0.315	0.328	0.344	0.318	6.09
56)	M	Bromoform	0.253	0.274	0.277	0.302	0.308	0.283	7.85

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N042325W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.578	0.568	0.573	0.587	0.596	0.581	1.94
59)	M	2-Hexanone	0.425	0.419	0.420	0.434	0.441	0.428	2.20
60)	S	4-Bromofluoroben...	0.564	0.577	0.585	0.601	0.621	0.590	3.74
61)	M	Tetrachloroethene	0.475	0.432	0.441	0.468	0.471	0.458	4.26
62)	M	Toluene	2.025	1.957	1.963	2.071	2.024	2.008	2.39
63)	S	Toluene-d8	1.667	1.660	1.655	1.636	1.634	1.650	0.88
64)	M	Chlorobenzene	1.261	1.216	1.220	1.291	1.268	1.251	2.58
65)		1,1,1,2-Tetrachl...	0.417	0.402	0.409	0.432	0.432	0.418	3.19
66)	M	Ethyl Benzene	2.219	2.187	2.202	2.359	2.335	2.260	3.55
67)	M	m/p-Xylenes	0.849	0.824	0.832	0.894	0.889	0.858	3.76
68)	M	o-Xylene	0.825	0.804	0.816	0.876	0.878	0.840	4.13
69)	M	Styrene	1.301	1.351	1.399	1.523	1.542	1.423	7.44
70)		Isopropylbenzene	1.997	2.021	2.049	2.205	2.208	2.096	4.89
71)	M	1,1,2,2-Tetrachl...	0.562	0.566	0.539	0.553	0.541	0.552	2.20
72)		1,2,3-Trichlorop...	0.478	0.464	0.476	0.486	0.502	0.481	2.91
73)		Bromobenzene	0.463	0.465	0.472	0.500	0.509	0.482	4.34
74)		n-propylbenzene	2.307	2.363	2.466	2.648	2.671	2.491	6.60
75)		2-Chlorotoluene	1.510	1.494	1.521	1.610	1.639	1.555	4.20
76)		1,3,5-Trimethylb...	1.597	1.633	1.694	1.809	1.867	1.720	6.70
77)		t-1,4-Dichloro-2...	0.226	0.228	0.238	0.262	0.268	0.244	7.95
78)		4-Chlorotoluene	1.457	1.444	1.527	1.649	1.697	1.555	7.30
79)		tert-butylbenzene	1.418	1.405	1.444	1.533	1.565	1.473	4.86
80)		1,2,4-Trimethylb...	1.644	1.664	1.731	1.829	1.914	1.757	6.50
81)		sec-Butylbenzene	1.995	1.964	2.072	2.213	2.268	2.103	6.34
82)		p-Isopropyltoluene	1.579	1.610	1.749	1.884	1.976	1.759	9.74
83)	M	1,3-Dichlorobenzene	0.837	0.834	0.912	0.961	1.011	0.911	8.47
84)	M	1,4-Dichlorobenzene	0.841	0.825	0.891	0.951	0.991	0.900	7.86
85)		n-Butylbenzene	1.374	1.412	1.574	1.706	1.784	1.570	11.37
86)	T	Hexachloroethane	0.260	0.263	0.281	0.310	0.325	0.288	9.97
87)	M	1,2-Dichlorobenzene	0.830	0.800	0.860	0.906	0.938	0.867	6.46
88)		1,2-Dibromo-3-Ch...	0.110	0.102	0.113	0.116	0.120	0.112	5.99
89)		1,2,4-Trichlorob...	0.347	0.348	0.415	0.430	0.435	0.395	11.16
90)		Hexachlorobutadiene	0.160	0.142	0.165	0.168	0.161	0.159	6.33
91)	M	Naphthalene	1.218	1.247	1.497	1.542	1.569	1.414	11.90
92)		1,2,3-Trichlorob...	0.347	0.348	0.415	0.430	0.435	0.395	11.16

(#) = Out of Range



Response = 1.044e-001 * Amt + 1.337e-001
Coef of Det (r^2) = 0.996125 Curve Fit: wlr(1/a)
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\624N042325W.M
Calibration Table Last Updated: Thu Apr 24 04:42:24 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086372.D
Acq On : 23 Apr 2025 09:22
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 24 04:20:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone
04/24/2025
Supervised By :Mahesh Dadoda
04/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.806	128	29756	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.094	114	182016	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.859	117	162942	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	88562	30.870	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.900%				
60) 4-Bromofluorobenzene	12.847	95	91848	28.680	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.600%				
63) Toluene-d8	10.565	98	271554	30.293	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.967%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	9505	4.627	ug/l		94
3) Chloromethane	2.365	50	15950	5.466	ug/l		97
4) Vinyl Chloride	2.518	62	14315	5.122	ug/l		99
5) Bromomethane	2.959	94	8013	5.491	ug/l		98
6) Chloroethane	3.124	64	9935	5.332	ug/l	#	84
7) Trichlorofluoromethane	3.500	101	16921	5.129	ug/l		94
8) Diethyl Ether	3.953	74	7189	5.162	ug/l		97
9) 1,1,2-Trichlorotrifluo...	4.371	101	10150	5.005	ug/l		77
10) 1,1-Dichloroethene	4.341	96	10844	5.224	ug/l		96
11) Methyl Iodide	4.589	142	11741	4.834	ug/l		99
12) Methyl Acetate	5.018	43	13511	4.592	ug/l		93
13) Acrolein	4.183	56	6900	28.215	ug/l		86
14) Acrylonitrile	5.712	53	26695	24.377	ug/l		98
15) Acetone	4.430	58	7975	26.429	ug/l		79
16) Carbon Disulfide	4.712	76	31017	5.670	ug/l		97
17) Allyl chloride	5.018	41	17686m	5.328	ug/l		
18) Methylene Chloride	5.283	84	12377m	5.236	ug/l		
19) trans-1,2-Dichloroethene	5.788	96	11694m	5.285	ug/l		
20) Diisopropyl ether	6.671	45	39066	4.950	ug/l		94
21) 1,1-Dichloroethane	6.559	63	22218	5.143	ug/l		96
22) cis-1,2-Dichloroethene	7.482	96	14319	5.176	ug/l		96
23) tert-Butyl Alcohol	5.518	59	11367m	26.795	ug/l		
24) Methyl tert-Butyl Ether	5.794	73	38714	5.048	ug/l		96
25) Chloroform	7.959	83	22497	5.145	ug/l		99
26) Cyclohexane	8.253	56	20215	5.300	ug/l	#	95
29) 1,1-Dichloropropene	8.365	75	15773	4.916	ug/l		87
30) 2-Butanone	7.477	43	37820	24.283	ug/l	#	95
31) 2,2-Dichloropropane	7.488	77	20892	5.065	ug/l		97
32) 1,1,1-Trichloroethane	8.165	97	19441	5.070	ug/l		99
33) Carbon Tetrachloride	8.359	117	15492	4.908	ug/l		92
34) Benzene	8.600	78	51159	5.013	ug/l	#	88
35) Methacrylonitrile	7.777	41	8219	4.626	ug/l		91
36) 1,2-Dichloroethane	8.665	62	16569	5.000	ug/l		100
37) Trichloroethene	9.353	130	12434	4.867	ug/l		87
38) Methylcyclohexane	9.594	83	18253	4.925	ug/l		97
39) 1,2-Dichloropropane	9.618	63	13105	5.198	ug/l		96
40) Dibromomethane	9.706	93	8472	5.025	ug/l		94
41) Bromodichloromethane	9.882	83	17604	4.934	ug/l		97
42) Vinyl Acetate	6.600	43	140295	26.004	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086372.D
Acq On : 23 Apr 2025 09:22
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 24 04:20:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone
04/24/2025
Supervised By :Mahesh Dadoda
04/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.553	43	17261	5.600	ug/l		97
44) Isopropyl Acetate	8.682	43	31305	5.352	ug/l		95
45) 1,4-Dioxane	9.694	88	4393	96.252	ug/l	#	91
46) Methyl methacrylate	9.676	41	13386	4.961	ug/l		93
47) n-amyl Acetate	12.488	43	22791	4.571	ug/l		98
48) t-1,3-Dichloropropene	10.829	75	18958	4.752	ug/l		90
49) cis-1,3-Dichloropropene	10.312	75	20273	4.819	ug/l		95
50) 1,1,2-Trichloroethane	11.012	97	11391	4.837	ug/l		91
51) Ethyl methacrylate	10.871	69	19126	4.663	ug/l		99
52) 1,3-Dichloropropane	11.159	76	20341	4.887	ug/l		98
53) Dibromochloromethane	11.359	129	12596	4.763	ug/l		99
54) 1,2-Dibromoethane	11.465	107	11656	4.868	ug/l		100
55) 2-Chloroethyl vinyl ether	10.153	63	44387	23.017	ug/l		99
56) Bromoform	12.576	173	7673	4.471	ug/l		98
58) 4-Methyl-2-Pentanone	10.441	43	78517	24.901	ug/l		99
59) 2-Hexanone	11.188	43	57648	24.809	ug/l		98
61) Tetrachloroethene	11.100	164	12905	5.193	ug/l		95
62) Toluene	10.623	91	54989	5.042	ug/l		97
64) Chlorobenzene	11.888	112	34249	5.040	ug/l		93
65) 1,1,1,2-Tetrachloroethane	11.959	131	11318	4.981	ug/l		98
66) Ethyl Benzene	11.959	91	60268	4.909	ug/l		100
67) m/p-Xylenes	12.065	106	46132	9.904	ug/l		100
68) o-Xylene	12.394	106	22418	4.915	ug/l		96
69) Styrene	12.406	104	35329	4.570	ug/l		98
70) Isopropylbenzene	12.694	105	54240	4.764	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.935	83	15250	5.087	ug/l		100
72) 1,2,3-Trichloropropane	12.988	75	12969m	4.993	ug/l		
73) Bromobenzene	12.976	156	12582	4.807	ug/l		97
74) n-propylbenzene	13.029	91	62642	4.630	ug/l		99
75) 2-Chlorotoluene	13.117	91	41015	4.856	ug/l		100
76) 1,3,5-Trimethylbenzene	13.170	105	43366	4.642	ug/l		98
77) t-1,4-Dichloro-2-butene	12.735	75	6133	4.624	ug/l		95
78) 4-Chlorotoluene	13.217	91	39565	4.685	ug/l		100
79) tert-butylbenzene	13.435	119	38515	4.814	ug/l		97
80) 1,2,4-Trimethylbenzene	13.476	105	44636	4.679	ug/l		100
81) sec-Butylbenzene	13.611	105	54186	4.745	ug/l		100
82) p-Isopropyltoluene	13.723	119	42872	4.486	ug/l		99
83) 1,3-Dichlorobenzene	13.729	146	22737	4.595	ug/l		98
84) 1,4-Dichlorobenzene	13.811	146	22845	4.673	ug/l		98
85) n-Butylbenzene	14.053	91	37323	4.377	ug/l		99
86) Hexachloroethane	14.323	117	7050	4.512	ug/l		95
87) 1,2-Dichlorobenzene	14.106	146	22541	4.788	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.711	75	2991	4.909	ug/l	#	89
89) 1,2,4-Trichlorobenzene	15.829	180	9424	4.392	ug/l		98
90) Hexachlorobutadiene	15.500	225	4341	5.023	ug/l		96
91) Naphthalene	15.635	128	33080	4.306	ug/l		97
92) 1,2,3-Trichlorobenzene	15.829	180	9424	4.392	ug/l		98

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086372.D
Acq On : 23 Apr 2025 09:22
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 24 04:20:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

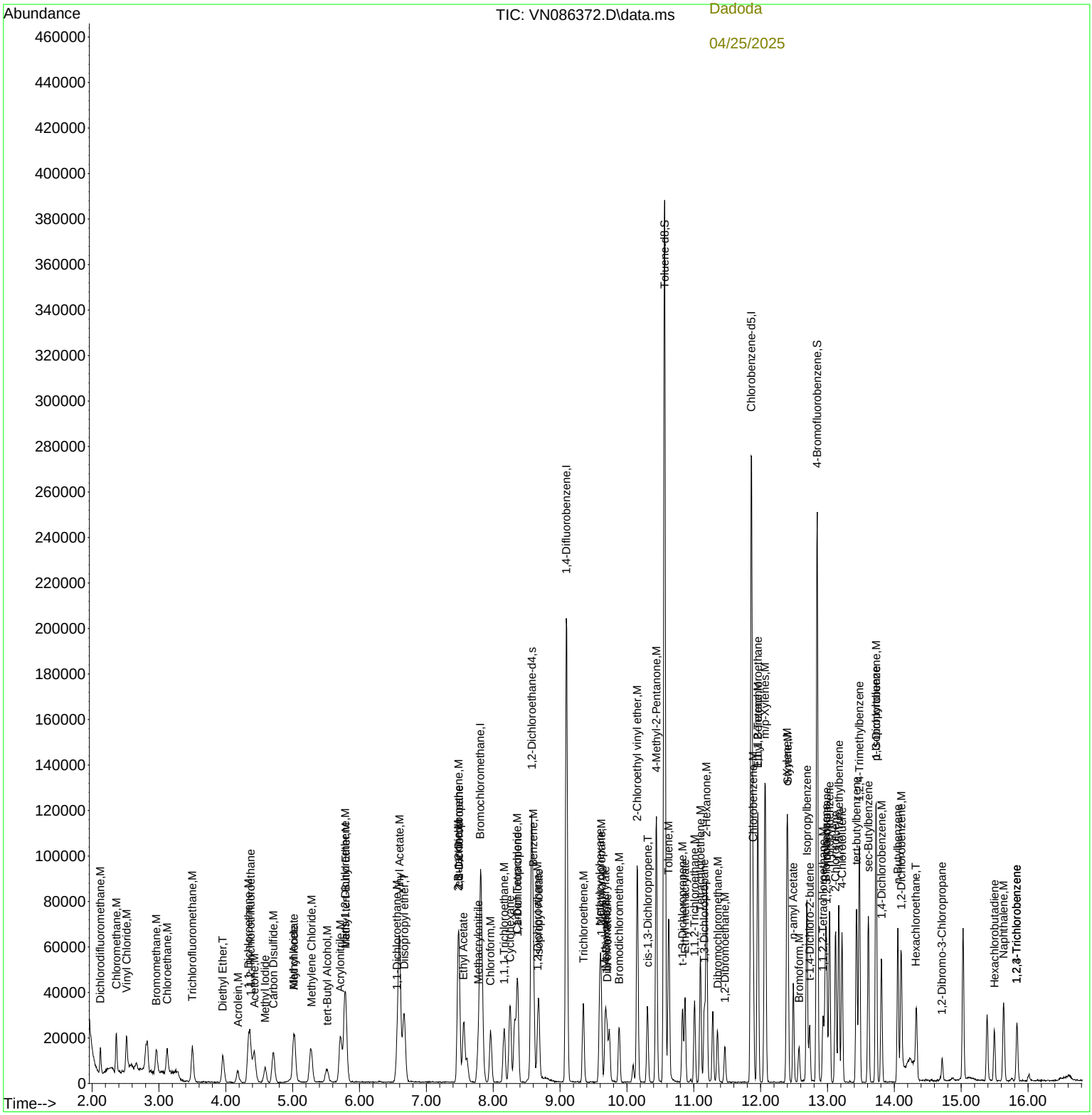
Manual Integrations APPROVED

Reviewed By :John Carlone

04/24/2025

Supervised By :Mahesh Dadoda

04/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086373.D
Acq On : 23 Apr 2025 09:45
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:21:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	28897	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	176907	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	163017	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	86075	30.895	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.000%			
60) 4-Bromofluorobenzene	12.847	95	94119	29.376	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.933%			
63) Toluene-d8	10.559	98	270583	30.171	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.567%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	40965	20.534	ug/l	100
3) Chloromethane	2.365	50	55943	19.741	ug/l	100
4) Vinyl Chloride	2.518	62	54265	19.993	ug/l	100
5) Bromomethane	2.965	94	28909	20.401	ug/l	100
6) Chloroethane	3.124	64	36185	19.998	ug/l	100
7) Trichlorofluoromethane	3.500	101	65562	20.464	ug/l	100
8) Diethyl Ether	3.959	74	26673	19.723	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	39448	20.028	ug/l	100
10) 1,1-Dichloroethene	4.342	96	40368	20.024	ug/l	100
11) Methyl Iodide	4.595	142	46703	19.800	ug/l	100
12) Methyl Acetate	5.018	43	57880	20.256	ug/l	100
13) Acrolein	4.177	56	12298m	83.896	ug/l	
14) Acrylonitrile	5.712	53	106580	100.220	ug/l	100
15) Acetone	4.424	58	26827	91.547	ug/l	100
16) Carbon Disulfide	4.712	76	107956	20.323	ug/l	100
17) Allyl chloride	5.024	41	62671	19.442	ug/l	100
18) Methylene Chloride	5.277	84	45816	19.957	ug/l	100
19) trans-1,2-Dichloroethene	5.783	96	42390	19.728	ug/l	100
20) Diisopropyl ether	6.671	45	150643	19.655	ug/l	100
21) 1,1-Dichloroethane	6.565	63	83307	19.857	ug/l	100
22) cis-1,2-Dichloroethene	7.483	96	52755	19.635	ug/l	100
23) tert-Butyl Alcohol	5.512	59	43778	106.266	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	148542	19.943	ug/l	100
25) Chloroform	7.965	83	85942	20.241	ug/l	100
26) Cyclohexane	8.253	56	72755	19.641	ug/l #	100
29) 1,1-Dichloropropene	8.365	75	59648	19.126	ug/l	100
30) 2-Butanone	7.477	43	145888	96.376	ug/l	100
31) 2,2-Dichloropropane	7.488	77	77657	19.370	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	72334	19.409	ug/l	100
33) Carbon Tetrachloride	8.359	117	59965	19.546	ug/l	100
34) Benzene	8.600	78	192789	19.435	ug/l	100
35) Methacrylonitrile	7.777	41	35245	20.411	ug/l	100
36) 1,2-Dichloroethane	8.665	62	62808	19.502	ug/l	100
37) Trichloroethene	9.347	130	46850	18.866	ug/l	100
38) Methylcyclohexane	9.600	83	69428	19.275	ug/l	100
39) 1,2-Dichloropropane	9.618	63	47394	19.340	ug/l	100
40) Dibromomethane	9.706	93	32116	19.597	ug/l	100
41) Bromodichloromethane	9.882	83	67347	19.419	ug/l	100
42) Vinyl Acetate	6.600	43	518356	98.852	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086373.D
Acq On : 23 Apr 2025 09:45
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:21:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	55894	18.658	ug/l	100
44) Isopropyl Acetate	8.682	43	109922	19.334	ug/l	100
45) 1,4-Dioxane	9.694	88	17979	405.300	ug/l	100
46) Methyl methacrylate	9.677	41	50790	19.367	ug/l	100
47) n-amyl Acetate	12.488	43	92290	19.045	ug/l	100
48) t-1,3-Dichloropropene	10.829	75	74180	19.132	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	78337	19.159	ug/l	100
50) 1,1,2-Trichloroethane	11.012	97	45121	19.712	ug/l	100
51) Ethyl methacrylate	10.871	69	76257	19.128	ug/l	100
52) 1,3-Dichloropropane	11.159	76	78642	19.439	ug/l	100
53) Dibromochloromethane	11.353	129	49462	19.243	ug/l	100
54) 1,2-Dibromoethane	11.465	107	45261	19.447	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	182398	97.314	ug/l	100
56) Bromoform	12.576	173	32369	19.406	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	308775	97.881	ug/l	100
59) 2-Hexanone	11.194	43	227878	98.024	ug/l	100
61) Tetrachloroethene	11.100	164	46962	18.888	ug/l	100
62) Toluene	10.629	91	212695	19.492	ug/l	100
64) Chlorobenzene	11.888	112	132119	19.432	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	43742	19.241	ug/l	100
66) Ethyl Benzene	11.959	91	237663	19.350	ug/l	100
67) m/p-Xylenes	12.065	106	179085	38.428	ug/l	100
68) o-Xylene	12.394	106	87377	19.149	ug/l	100
69) Styrene	12.406	104	146815	18.983	ug/l	100
70) Isopropylbenzene	12.694	105	219637	19.283	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	61516	20.511	ug/l	100
72) 1,2,3-Trichloropropane	12.988	75	50447m	19.411	ug/l	
73) Bromobenzene	12.976	156	50559	19.307	ug/l	100
74) n-propylbenzene	13.029	91	256755	18.969	ug/l	100
75) 2-Chlorotoluene	13.123	91	162370	19.217	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	177449	18.987	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	24753	18.653	ug/l	100
78) 4-Chlorotoluene	13.217	91	156935	18.576	ug/l	100
79) tert-butylbenzene	13.435	119	152667	19.073	ug/l	100
80) 1,2,4-Trimethylbenzene	13.476	105	180860	18.949	ug/l	100
81) sec-Butylbenzene	13.612	105	213493	18.686	ug/l	100
82) p-Isopropyltoluene	13.723	119	175002	18.304	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	90643	18.311	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	89707	18.342	ug/l	100
85) n-Butylbenzene	14.053	91	153480	17.991	ug/l	100
86) Hexachloroethane	14.329	117	28629	18.313	ug/l	100
87) 1,2-Dichlorobenzene	14.100	146	86899	18.450	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11084	18.182	ug/l	100
89) 1,2,4-Trichlorobenzene	15.835	180	37802	17.609	ug/l	100
90) Hexachlorobutadiene	15.494	225	15432	17.847	ug/l	100
91) Naphthalene	15.635	128	135497	17.630	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	37802	17.609	ug/l	100

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

ICAL Form

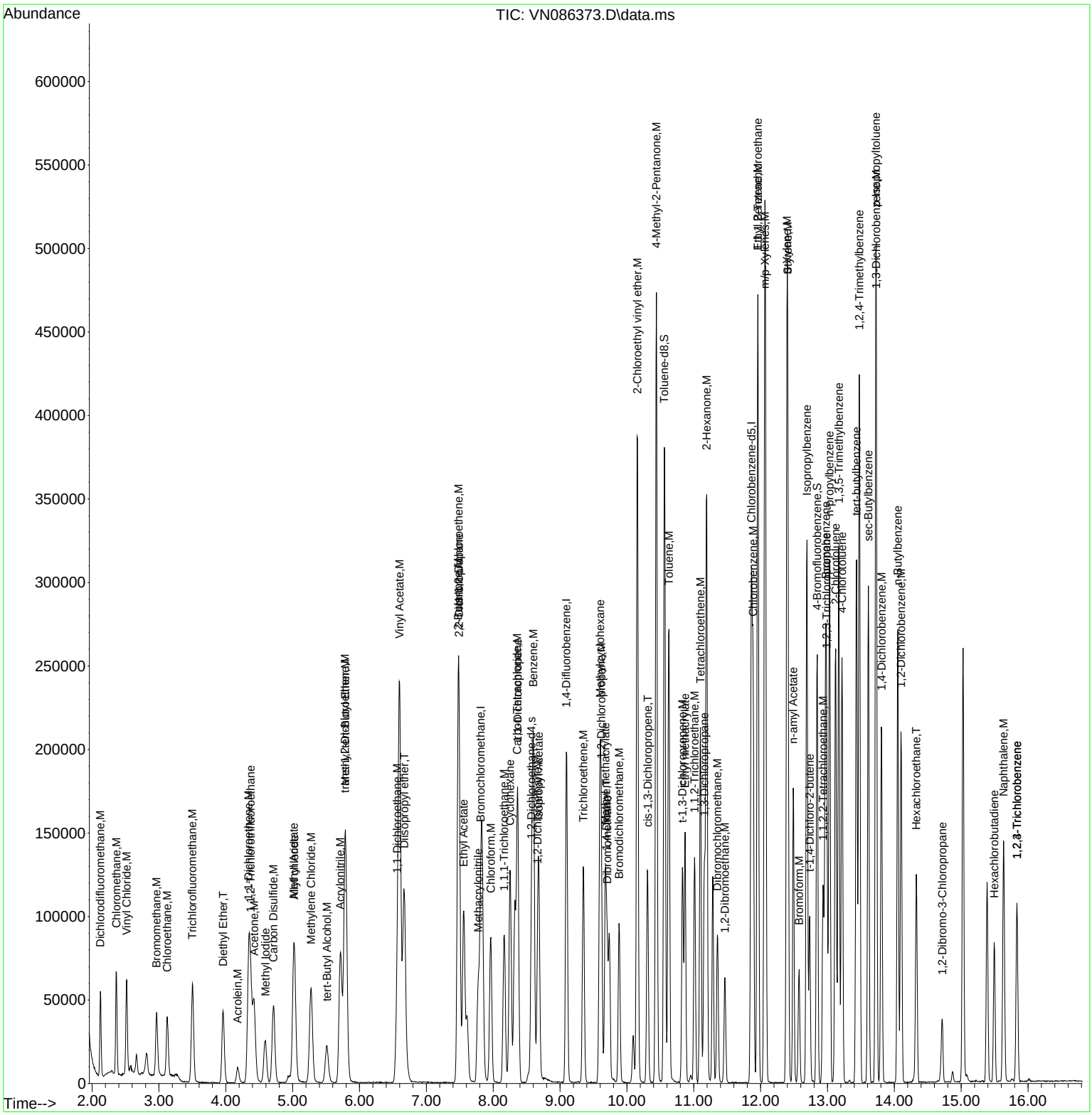
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086373.D
Acq On : 23 Apr 2025 09:45
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 24 04:21:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086378.D
Acq On : 23 Apr 2025 11:53
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	30321	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.094	114	175444	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	164865	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	84791	29.005	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 96.667%				
60) 4-Bromofluorobenzene	12.847	95	102335	31.582	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 105.267%				
63) Toluene-d8	10.565	98	269389	29.701	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	299421	143.036	ug/l		98
3) Chloromethane	2.359	50	402250	135.277	ug/l		98
4) Vinyl Chloride	2.512	62	401875	141.109	ug/l		99
5) Bromomethane	2.936	94	203863	137.107	ug/l		99
6) Chloroethane	3.112	64	272792	143.678	ug/l		96
7) Trichlorofluoromethane	3.495	101	483366	143.788	ug/l		99
8) Diethyl Ether	3.959	74	204867	144.374	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.371	101	301117	145.702	ug/l		98
10) 1,1-Dichloroethene	4.336	96	304401	143.905	ug/l		96
11) Methyl Iodide	4.583	142	373705	150.992	ug/l		97
12) Methyl Acetate	5.018	43	461659	153.979	ug/l		99
13) Acrolein	4.177	56	81825	737.319	ug/l		98
14) Acrylonitrile	5.712	53	835092	748.379	ug/l		99
15) Acetone	4.418	58	226833	737.712	ug/l		97
16) Carbon Disulfide	4.712	76	741034	132.947	ug/l		99
17) Allyl chloride	5.018	41	488863	144.536	ug/l		97
18) Methylene Chloride	5.271	84	350170	145.364	ug/l		97
19) trans-1,2-Dichloroethene	5.789	96	331115	146.862	ug/l		97
20) Diisopropyl ether	6.665	45	1209486	150.395	ug/l		96
21) 1,1-Dichloroethane	6.565	63	650070	147.673	ug/l		98
22) cis-1,2-Dichloroethene	7.483	96	419371	148.755	ug/l		98
23) tert-Butyl Alcohol	5.512	59	299669	693.246	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	1155950	147.908	ug/l		100
25) Chloroform	7.965	83	654724	146.957	ug/l		98
26) Cyclohexane	8.253	56	566144	145.656	ug/l	#	99
29) 1,1-Dichloropropene	8.371	75	474701	153.479	ug/l		99
30) 2-Butanone	7.477	43	1154112	768.782	ug/l		100
31) 2,2-Dichloropropane	7.488	77	605480	152.287	ug/l		98
32) 1,1,1-Trichloroethane	8.165	97	560564	151.669	ug/l		99
33) Carbon Tetrachloride	8.359	117	465350	152.946	ug/l		97
34) Benzene	8.600	78	1491870	151.652	ug/l		97
35) Methacrylonitrile	7.771	41	264432	154.415	ug/l		97
36) 1,2-Dichloroethane	8.665	62	487034	152.489	ug/l		100
37) Trichloroethene	9.347	130	387155	157.207	ug/l		95
38) Methylcyclohexane	9.594	83	538821	150.840	ug/l		99
39) 1,2-Dichloropropane	9.618	63	364271	149.889	ug/l		98
40) Dibromomethane	9.706	93	248997	153.205	ug/l		98
41) Bromodichloromethane	9.882	83	525304	152.734	ug/l		99
42) Vinyl Acetate	6.600	43	3696622	710.838	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086378.D
Acq On : 23 Apr 2025 11:53
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 24 04:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	443217	149.188	ug/l	99
44) Isopropyl Acetate	8.683	43	834366	147.977	ug/l	98
45) 1,4-Dioxane	9.694	88	129985	2954.683	ug/l	96
46) Methyl methacrylate	9.677	41	398936	153.385	ug/l	99
47) n-amyl Acetate	12.488	43	794729	165.368	ug/l	100
48) t-1,3-Dichloropropene	10.829	75	606406	157.708	ug/l	99
49) cis-1,3-Dichloropropene	10.306	75	632116	155.890	ug/l	99
50) 1,1,2-Trichloroethane	11.012	97	351630	154.894	ug/l	98
51) Ethyl methacrylate	10.871	69	626046	158.346	ug/l	99
52) 1,3-Dichloropropane	11.159	76	618867	154.247	ug/l	99
53) Dibromochloromethane	11.353	129	400588	157.150	ug/l	99
54) 1,2-Dibromoethane	11.465	107	357033	154.682	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	1507826	811.169	ug/l	100
56) Bromoform	12.576	173	269808	163.108	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	2458272	770.528	ug/l	100
59) 2-Hexanone	11.194	43	1818182	773.342	ug/l	99
61) Tetrachloroethene	11.100	164	388387	154.457	ug/l	96
62) Toluene	10.624	91	1668443	151.191	ug/l	99
64) Chlorobenzene	11.888	112	1045317	152.021	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	355984	154.833	ug/l	99
66) Ethyl Benzene	11.959	91	1924632	154.943	ug/l	99
67) m/p-Xylenes	12.071	106	1465950	311.039	ug/l	98
68) o-Xylene	12.394	106	723738	156.834	ug/l	98
69) Styrene	12.406	104	1271246	162.527	ug/l	100
70) Isopropylbenzene	12.694	105	1820093	158.002	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	445651	146.927	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	413811m	157.445	ug/l	
73) Bromobenzene	12.976	156	419234	158.301	ug/l	98
74) n-propylbenzene	13.035	91	2201757	160.846	ug/l	100
75) 2-Chlorotoluene	13.123	91	1351179	158.123	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	1539420	162.869	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	220662	164.423	ug/l	97
78) 4-Chlorotoluene	13.218	91	1398536	163.684	ug/l	100
79) tert-butylbenzene	13.435	119	1289675	159.319	ug/l	100
80) 1,2,4-Trimethylbenzene	13.476	105	1578141	163.487	ug/l	97
81) sec-Butylbenzene	13.612	105	1869347	161.777	ug/l	99
82) p-Isopropyltoluene	13.723	119	1628968	168.473	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	833116	166.415	ug/l	98
84) 1,4-Dichlorobenzene	13.806	146	817212	165.219	ug/l	99
85) n-Butylbenzene	14.053	91	1470566	170.449	ug/l	99
86) Hexachloroethane	14.329	117	267570	169.237	ug/l	98
87) 1,2-Dichlorobenzene	14.100	146	773464	162.374	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	98763	160.195	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	358682	165.211	ug/l	99
90) Hexachlorobutadiene	15.494	225	132753	151.803	ug/l	98
91) Naphthalene	15.635	128	1293022	166.356	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	358682	165.211	ug/l	99

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

ICAL Form

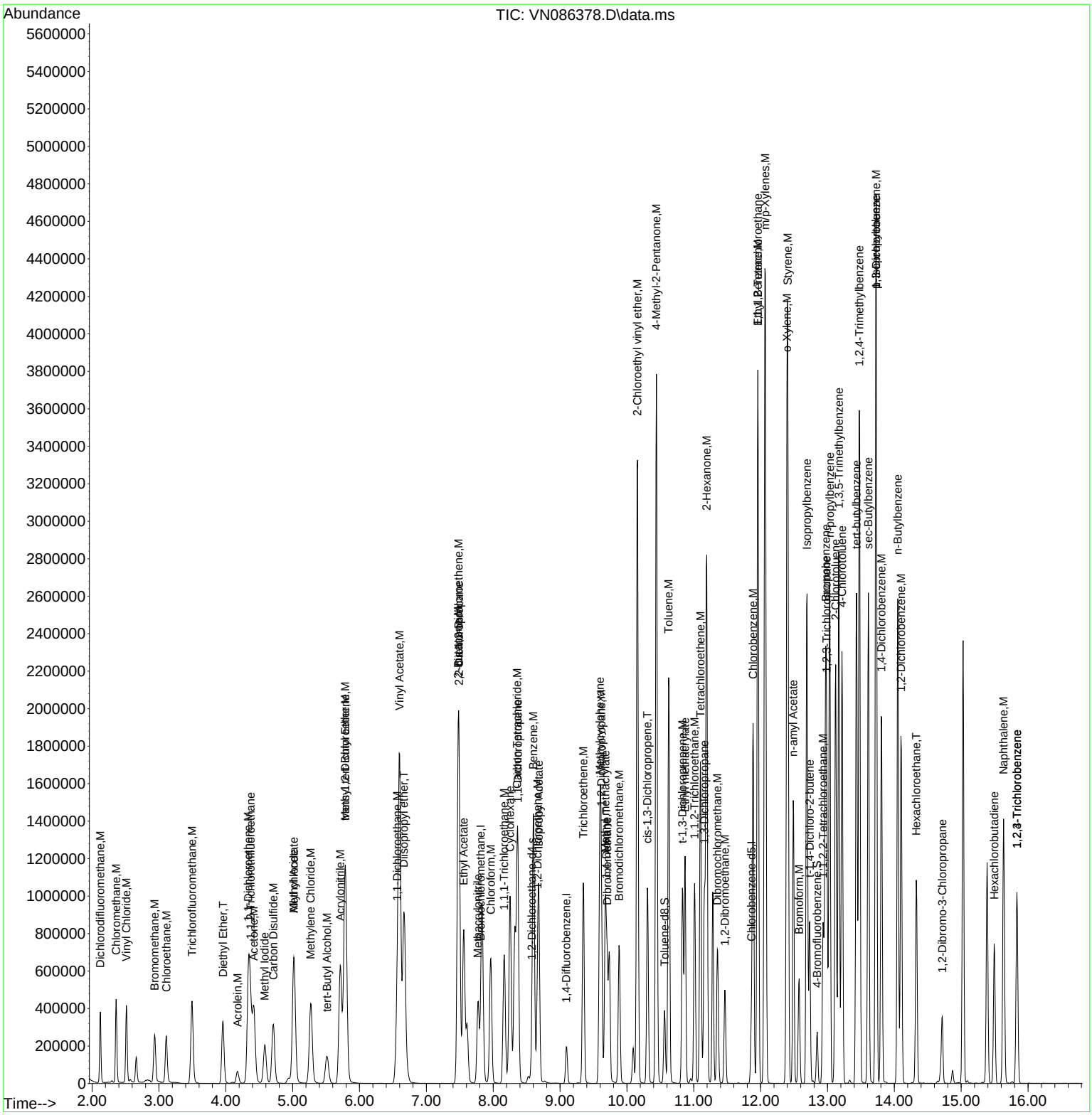
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086378.D
Acq On : 23 Apr 2025 11:53
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 24 04:24:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086379.D
Acq On : 23 Apr 2025 12:37
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 04:25:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	30419	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	174699	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	164127	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	84076	28.668	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 95.567%			
60) 4-Bromofluorobenzene	12.847	95	98684	30.592	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.967%			
63) Toluene-d8	10.565	98	268576	29.745	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.133%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	219730	104.629	ug/l	98
3) Chloromethane	2.360	50	306073	102.601	ug/l	97
4) Vinyl Chloride	2.512	62	291612	102.063	ug/l	98
5) Bromomethane	2.948	94	145025	97.222	ug/l	96
6) Chloroethane	3.112	64	188295	98.855	ug/l	96
7) Trichlorofluoromethane	3.501	101	339483	100.661	ug/l	99
8) Diethyl Ether	3.959	74	142350	99.994	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	210493	101.523	ug/l	97
10) 1,1-Dichloroethene	4.342	96	212572	100.169	ug/l	96
11) Methyl Iodide	4.589	142	254830	102.630	ug/l	97
12) Methyl Acetate	5.018	43	303813	101.006	ug/l	99
13) Acrolein	4.177	56	59777	526.461	ug/l	100
14) Acrylonitrile	5.712	53	562850	502.781	ug/l	99
15) Acetone	4.418	58	155944	505.531	ug/l	97
16) Carbon Disulfide	4.706	76	535511	95.765	ug/l	99
17) Allyl chloride	5.018	41	343007	101.086	ug/l	97
18) Methylene Chloride	5.271	84	240773	99.629	ug/l	97
19) trans-1,2-Dichloroethene	5.783	96	225835	99.843	ug/l	95
20) Diisopropyl ether	6.665	45	827730	102.594	ug/l	97
21) 1,1-Dichloroethane	6.565	63	442858	100.277	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	285798	101.049	ug/l	98
23) tert-Butyl Alcohol	5.512	59	203036	468.185	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	786920	100.365	ug/l	99
25) Chloroform	7.959	83	444712	99.497	ug/l	98
26) Cyclohexane	8.253	56	388134	99.536	ug/l #	100
29) 1,1-Dichloropropene	8.371	75	323903	105.170	ug/l	99
30) 2-Butanone	7.477	43	777621	520.201	ug/l	100
31) 2,2-Dichloropropane	7.489	77	407332	102.887	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	378868	102.945	ug/l	99
33) Carbon Tetrachloride	8.359	117	315313	104.076	ug/l	98
34) Benzene	8.600	78	1017889	103.912	ug/l	98
35) Methacrylonitrile	7.777	41	176285	103.381	ug/l	97
36) 1,2-Dichloroethane	8.665	62	330021	103.769	ug/l	99
37) Trichloroethene	9.347	130	256115	104.441	ug/l	94
38) Methylcyclohexane	9.594	83	374627	105.322	ug/l	99
39) 1,2-Dichloropropane	9.618	63	248413	102.652	ug/l	97
40) Dibromomethane	9.706	93	165831	102.469	ug/l	98
41) Bromodichloromethane	9.883	83	356275	104.030	ug/l	100
42) Vinyl Acetate	6.600	43	2634471	508.753	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086379.D
Acq On : 23 Apr 2025 12:37
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 04:25:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	296729	100.306	ug/l	98
44) Isopropyl Acetate	8.683	43	563189	100.309	ug/l	99
45) 1,4-Dioxane	9.688	88	89081	2033.531	ug/l	97
46) Methyl methacrylate	9.677	41	266838	103.033	ug/l	99
47) n-amyl Acetate	12.488	43	504826	105.493	ug/l	99
48) t-1,3-Dichloropropene	10.830	75	406922	106.279	ug/l	100
49) cis-1,3-Dichloropropene	10.306	75	426255	105.570	ug/l	100
50) 1,1,2-Trichloroethane	11.012	97	235538	104.198	ug/l	97
51) Ethyl methacrylate	10.871	69	418356	106.266	ug/l	98
52) 1,3-Dichloropropane	11.159	76	415656	104.040	ug/l	100
53) Dibromochloromethane	11.359	129	266681	105.065	ug/l	99
54) 1,2-Dibromoethane	11.465	107	239438	104.177	ug/l	99
55) 2-Chloroethyl vinyl ether	10.153	63	956039	516.516	ug/l	100
56) Bromoform	12.576	173	175855	106.763	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	1605575	505.519	ug/l	100
59) 2-Hexanone	11.194	43	1186815	507.067	ug/l	99
61) Tetrachloroethene	11.100	164	256056	102.288	ug/l	96
62) Toluene	10.624	91	1133294	103.158	ug/l	99
64) Chlorobenzene	11.888	112	706237	103.170	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	236307	103.242	ug/l	99
66) Ethyl Benzene	11.959	91	1290476	104.357	ug/l	100
67) m/p-Xylenes	12.065	106	977944	208.429	ug/l	97
68) o-Xylene	12.394	106	479032	104.273	ug/l	98
69) Styrene	12.406	104	833303	107.015	ug/l	99
70) Isopropylbenzene	12.694	105	1206389	105.197	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	302296	100.113	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	265966m	101.648	ug/l	
73) Bromobenzene	12.976	156	273523	103.746	ug/l	98
74) n-propylbenzene	13.029	91	1448668	106.306	ug/l	100
75) 2-Chlorotoluene	13.124	91	881066	103.571	ug/l	100
76) 1,3,5-Trimethylbenzene	13.171	105	989559	105.165	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	143204	107.186	ug/l	95
78) 4-Chlorotoluene	13.218	91	902138	106.061	ug/l	100
79) tert-butylbenzene	13.435	119	838738	104.079	ug/l	100
80) 1,2,4-Trimethylbenzene	13.476	105	1000736	104.137	ug/l	97
81) sec-Butylbenzene	13.612	105	1210897	105.264	ug/l	99
82) p-Isopropyltoluene	13.723	119	1030447	107.051	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	525798	105.501	ug/l	98
84) 1,4-Dichlorobenzene	13.806	146	520155	105.635	ug/l	99
85) n-Butylbenzene	14.053	91	933101	108.639	ug/l	99
86) Hexachloroethane	14.329	117	169652	107.787	ug/l	98
87) 1,2-Dichlorobenzene	14.100	146	495563	104.502	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.718	75	63382	103.269	ug/l	99
89) 1,2,4-Trichlorobenzene	15.835	180	235238	108.839	ug/l	98
90) Hexachlorobutadiene	15.500	225	91753	105.391	ug/l	99
91) Naphthalene	15.635	128	843461	109.005	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	235238	108.839	ug/l	98

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

ICAL Form

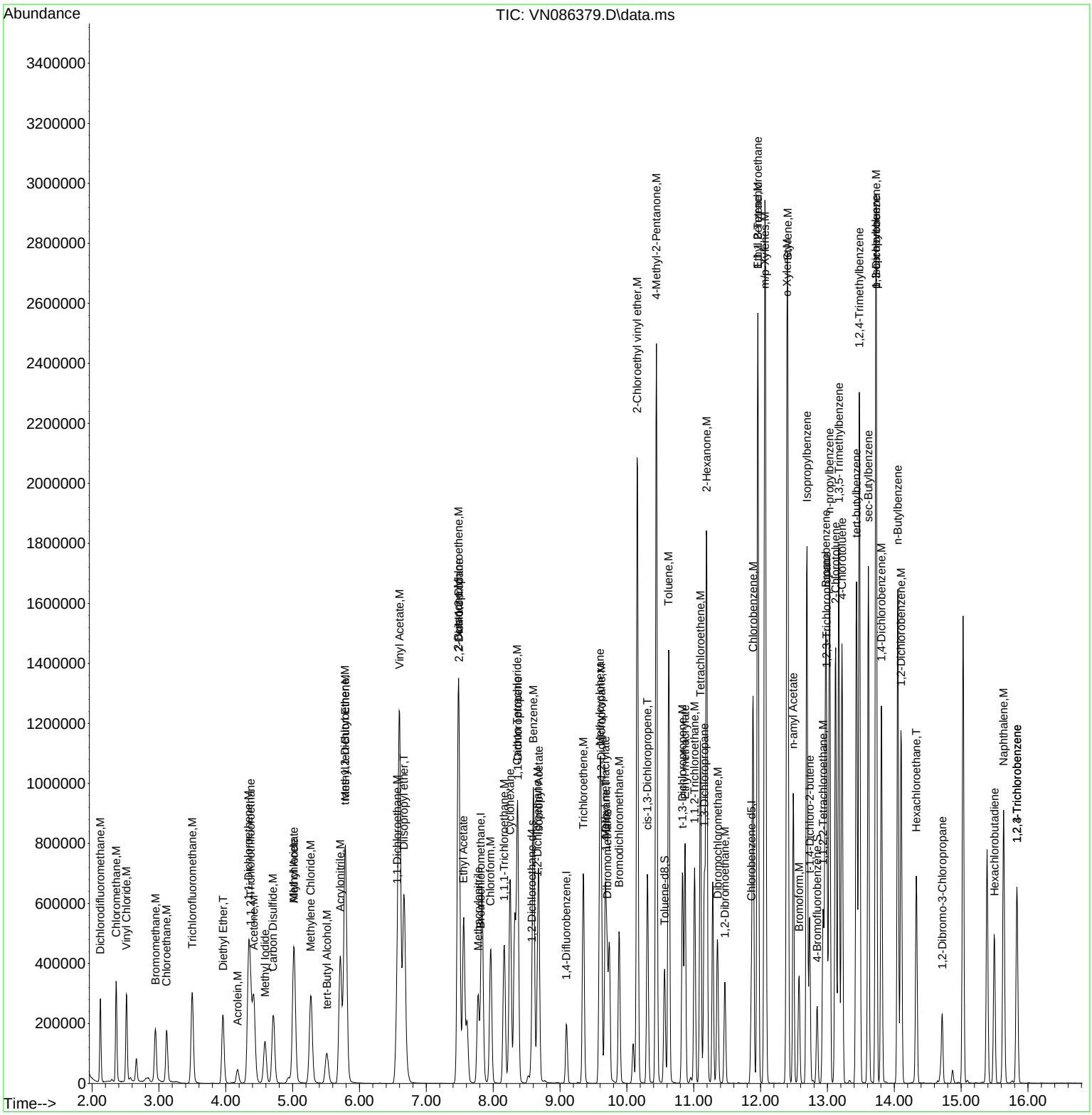
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086379.D
Acq On : 23 Apr 2025 12:37
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 24 04:25:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086380.D
Acq On : 23 Apr 2025 13:17
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	29674	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	179504	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	166876	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	87437	30.562	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.867%			
60) 4-Bromofluorobenzene	12.847	95	97641	29.770	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.233%			
63) Toluene-d8	10.565	98	276249	30.090	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	107358	52.404	ug/l	97
3) Chloromethane	2.359	50	144331	49.597	ug/l	97
4) Vinyl Chloride	2.518	62	141400	50.732	ug/l	98
5) Bromomethane	2.959	94	72424	49.770	ug/l	98
6) Chloroethane	3.124	64	91726	49.365	ug/l	99
7) Trichlorofluoromethane	3.501	101	162157	49.289	ug/l	100
8) Diethyl Ether	3.959	74	70750	50.946	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	102250	50.555	ug/l	98
10) 1,1-Dichloroethene	4.342	96	102780	49.648	ug/l	98
11) Methyl Iodide	4.589	142	122357	50.515	ug/l	98
12) Methyl Acetate	5.018	43	151436	51.610	ug/l	99
13) Acrolein	4.183	56	29683	249.109	ug/l	99
14) Acrylonitrile	5.712	53	278286	254.827	ug/l	99
15) Acetone	4.424	58	77690	258.174	ug/l	92
16) Carbon Disulfide	4.712	76	274340	50.292	ug/l	99
17) Allyl chloride	5.018	41	163484	49.389	ug/l	98
18) Methylene Chloride	5.277	84	116658	49.484	ug/l	98
19) trans-1,2-Dichloroethene	5.783	96	108013	48.952	ug/l	98
20) Diisopropyl ether	6.665	45	393007	49.935	ug/l	97
21) 1,1-Dichloroethane	6.565	63	213535	49.565	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	135327	49.048	ug/l	98
23) tert-Butyl Alcohol	5.506	59	106272m	251.207	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	383808	50.180	ug/l	99
25) Chloroform	7.965	83	214558	49.209	ug/l	98
26) Cyclohexane	8.253	56	188609	49.583	ug/l #	98
29) 1,1-Dichloropropene	8.371	75	155965	49.286	ug/l	99
30) 2-Butanone	7.477	43	383786	249.867	ug/l	99
31) 2,2-Dichloropropane	7.488	77	198189	48.720	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	184336	48.747	ug/l	98
33) Carbon Tetrachloride	8.359	117	152652	49.037	ug/l	96
34) Benzene	8.600	78	490952	48.778	ug/l	97
35) Methacrylonitrile	7.777	41	86813	49.548	ug/l	98
36) 1,2-Dichloroethane	8.665	62	158575	48.526	ug/l	100
37) Trichloroethene	9.347	130	124838	49.545	ug/l	94
38) Methylcyclohexane	9.594	83	181341	49.617	ug/l	100
39) 1,2-Dichloropropane	9.618	63	120306	48.383	ug/l	92
40) Dibromomethane	9.706	93	80581	48.459	ug/l	98
41) Bromodichloromethane	9.882	83	173091	49.189	ug/l	99
42) Vinyl Acetate	6.600	43	1338201	251.508	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086380.D
Acq On : 23 Apr 2025 13:17
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	144287	47.469	ug/l	98
44) Isopropyl Acetate	8.683	43	280778	48.670	ug/l	100
45) 1,4-Dioxane	9.688	88	46027	1022.574	ug/l	96
46) Methyl methacrylate	9.677	41	131270	49.330	ug/l	98
47) n-amyl Acetate	12.488	43	239987	48.807	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	192520	48.936	ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	203961	49.162	ug/l	99
50) 1,1,2-Trichloroethane	11.012	97	112938	48.624	ug/l	97
51) Ethyl methacrylate	10.871	69	200784	49.636	ug/l	99
52) 1,3-Dichloropropane	11.159	76	201557	49.100	ug/l	99
53) Dibromochloromethane	11.353	129	128697	49.346	ug/l	98
54) 1,2-Dibromoethane	11.465	107	115855	49.058	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	471469	247.901	ug/l	99
56) Bromoform	12.576	173	82968	49.022	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	796619	246.686	ug/l	99
59) 2-Hexanone	11.194	43	584307	245.533	ug/l	99
61) Tetrachloroethene	11.100	164	122738	48.223	ug/l	95
62) Toluene	10.624	91	545929	48.875	ug/l	100
64) Chlorobenzene	11.888	112	339409	48.765	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	113702	48.858	ug/l	99
66) Ethyl Benzene	11.959	91	612399	48.707	ug/l	100
67) m/p-Xylenes	12.065	106	462741	96.999	ug/l	99
68) o-Xylene	12.394	106	226822	48.560	ug/l	98
69) Styrene	12.406	104	389200	49.159	ug/l	100
70) Isopropylbenzene	12.694	105	570012	48.886	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	149879	48.818	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	132411m	49.772	ug/l	
73) Bromobenzene	12.976	156	131410	49.022	ug/l	99
74) n-propylbenzene	13.029	91	685930	49.506	ug/l	100
75) 2-Chlorotoluene	13.123	91	422956	48.900	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	471082	49.239	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	66192	48.728	ug/l	99
78) 4-Chlorotoluene	13.218	91	424764	49.115	ug/l	100
79) tert-butylbenzene	13.435	119	401738	49.030	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	481487	49.278	ug/l	98
81) sec-Butylbenzene	13.612	105	576401	49.282	ug/l	99
82) p-Isopropyltoluene	13.723	119	486348	49.693	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	253600	50.046	ug/l	98
84) 1,4-Dichlorobenzene	13.806	146	247938	49.523	ug/l	99
85) n-Butylbenzene	14.053	91	437654	50.116	ug/l	99
86) Hexachloroethane	14.329	117	78086	48.794	ug/l	99
87) 1,2-Dichlorobenzene	14.100	146	239253	49.621	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	31467	50.425	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	115517	52.567	ug/l	99
90) Hexachlorobutadiene	15.494	225	45907	51.862	ug/l	98
91) Naphthalene	15.635	128	416250	52.908	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	115517	52.567	ug/l	99

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

ICAL Form

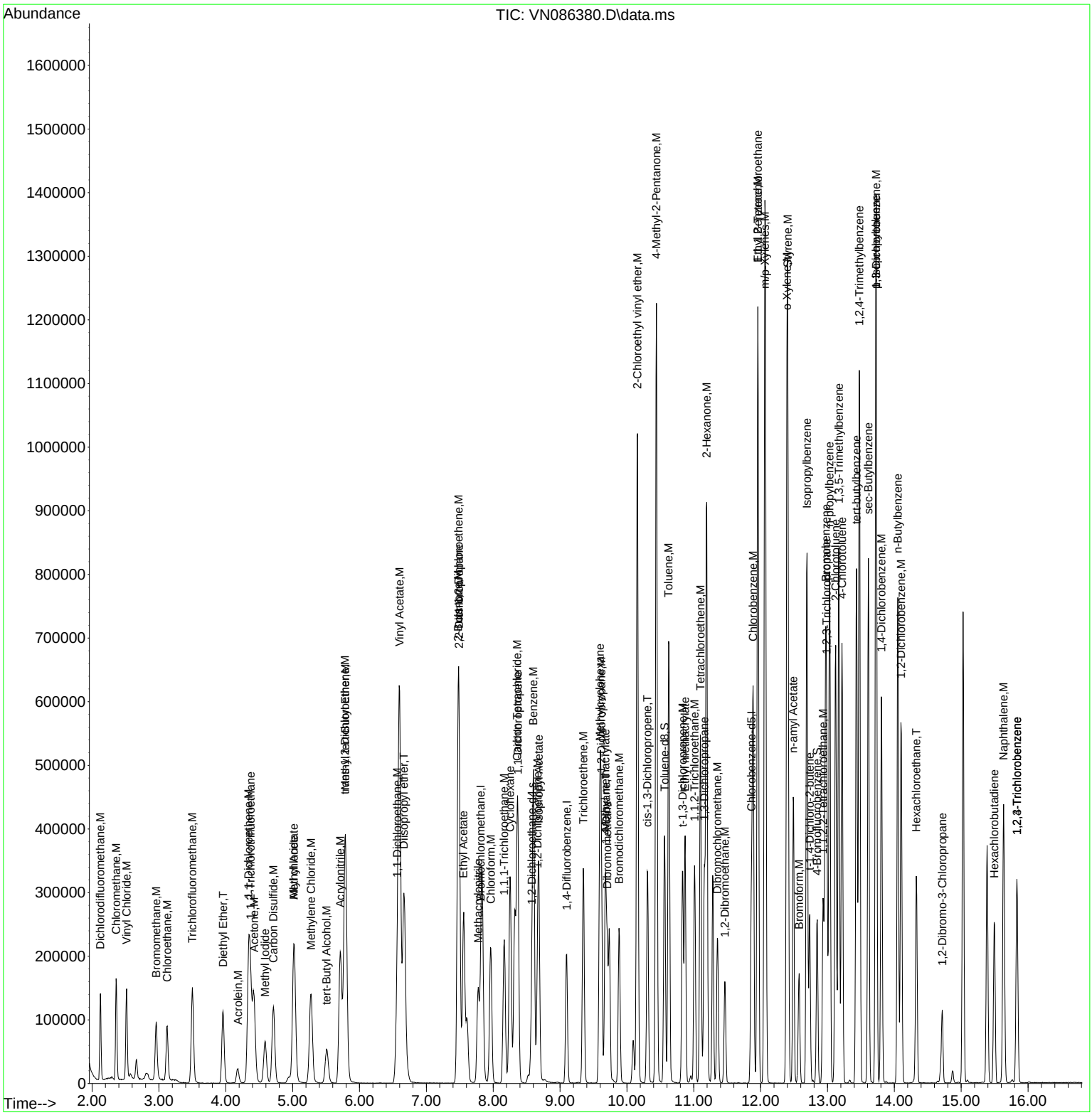
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086380.D
Acq On : 23 Apr 2025 13:17
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 24 04:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 03:57:58 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086381.D
Acq On : 23 Apr 2025 13:53
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

Quant Time: Apr 24 04:50:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	28814	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	176766	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	160412	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	84449	30.399	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.333%			
60) 4-Bromofluorobenzene	12.847	95	90439	28.685	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.633%			
63) Toluene-d8	10.565	98	265630	30.100	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.333%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41142	20.682	ug/l	95
3) Chloromethane	2.365	50	57712	20.424	ug/l	95
4) Vinyl Chloride	2.518	62	55345	20.449	ug/l	100
5) Bromomethane	2.965	94	29651	20.985	ug/l	98
6) Chloroethane	3.124	64	35793	19.838	ug/l	94
7) Trichlorofluoromethane	3.500	101	63367	19.836	ug/l	98
8) Diethyl Ether	3.965	74	27119	20.111	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	39724	20.227	ug/l	97
10) 1,1-Dichloroethene	4.336	96	39637	19.718	ug/l	98
11) Methyl Iodide	4.588	142	47322	20.120	ug/l	99
12) Methyl Acetate	5.024	43	58243	20.442	ug/l	99
13) Acrolein	4.183	56	12072	81.993	ug/l	100
14) Acrylonitrile	5.718	53	107549	101.422	ug/l	99
15) Acetone	4.430	58	31433	107.574	ug/l	88
16) Carbon Disulfide	4.712	76	109280	20.631	ug/l	99
17) Allyl chloride	5.018	41	65341	20.329	ug/l	98
18) Methylene Chloride	5.283	84	45390	19.828	ug/l	96
19) trans-1,2-Dichloroethene	5.788	96	43000	20.070	ug/l	99
20) Diisopropyl ether	6.671	45	151075	19.768	ug/l	98
21) 1,1-Dichloroethane	6.565	63	83455	19.950	ug/l	98
22) cis-1,2-Dichloroethene	7.482	96	53300	19.895	ug/l	98
23) tert-Butyl Alcohol	5.512	59	43113	104.953	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	149632	20.147	ug/l	100
25) Chloroform	7.965	83	83891	19.815	ug/l	95
26) Cyclohexane	8.253	56	72784	19.705	ug/l #	98
29) 1,1-Dichloropropene	8.365	75	59993	19.252	ug/l	99
30) 2-Butanone	7.477	43	149457	98.812	ug/l	99
31) 2,2-Dichloropropane	7.482	77	75995	18.971	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	71545	19.213	ug/l	100
33) Carbon Tetrachloride	8.359	117	58859	19.200	ug/l	97
34) Benzene	8.606	78	192366	19.408	ug/l	94
35) Methacrylonitrile	7.777	41	32722	18.965	ug/l	98
36) 1,2-Dichloroethane	8.665	62	62633	19.464	ug/l	99
37) Trichloroethene	9.347	130	47260	19.047	ug/l	92
38) Methylcyclohexane	9.600	83	69133	19.209	ug/l	99
39) 1,2-Dichloropropane	9.618	63	46678	19.063	ug/l	97
40) Dibromomethane	9.706	93	31560	19.273	ug/l	98
41) Bromodichloromethane	9.882	83	67356	19.438	ug/l	99
42) Vinyl Acetate	6.600	43	514738	98.241	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086381.D
Acq On : 23 Apr 2025 13:53
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 24 04:50:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	56564	18.897	ug/l	99
44) Isopropyl Acetate	8.688	43	112514	19.805	ug/l	98
45) 1,4-Dioxane	9.688	88	18241	411.534	ug/l	97
46) Methyl methacrylate	9.676	41	50286	19.190	ug/l	92
47) n-amyl Acetate	12.488	43	90266	18.642	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	74255	19.167	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	78577	19.233	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	44981	19.666	ug/l	98
51) Ethyl methacrylate	10.870	69	74966	18.819	ug/l	100
52) 1,3-Dichloropropane	11.159	76	79190	19.590	ug/l	99
53) Dibromochloromethane	11.353	129	48611	18.927	ug/l	99
54) 1,2-Dibromoethane	11.465	107	44285	19.043	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	184980	98.770	ug/l	99
56) Bromoform	12.576	173	30722	18.434	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	306519	98.743	ug/l	99
59) 2-Hexanone	11.194	43	224318	98.060	ug/l	99
61) Tetrachloroethene	11.100	164	46736	19.102	ug/l	95
62) Toluene	10.629	91	207649	19.339	ug/l	97
64) Chlorobenzene	11.888	112	129646	19.378	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	43109	19.270	ug/l	99
66) Ethyl Benzene	11.959	91	233802	19.345	ug/l	99
67) m/p-Xylenes	12.070	106	177124	38.625	ug/l	99
68) o-Xylene	12.394	106	86250	19.209	ug/l	99
69) Styrene	12.406	104	144708	19.014	ug/l	100
70) Isopropylbenzene	12.694	105	215598	19.236	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	60151	20.382	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	50492m	19.624	ug/l	
73) Bromobenzene	12.976	156	49645	19.266	ug/l	98
74) n-propylbenzene	13.029	91	253908	19.064	ug/l	100
75) 2-Chlorotoluene	13.123	91	159080	19.133	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	177597	19.311	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	24658	18.884	ug/l	95
78) 4-Chlorotoluene	13.217	91	158316	19.044	ug/l	99
79) tert-butylbenzene	13.435	119	151069	19.180	ug/l	100
80) 1,2,4-Trimethylbenzene	13.476	105	179423	19.103	ug/l	99
81) sec-Butylbenzene	13.611	105	214645	19.091	ug/l	100
82) p-Isopropyltoluene	13.723	119	177486	18.866	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	92009	18.889	ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	92122	19.142	ug/l	98
85) n-Butylbenzene	14.053	91	157496	18.762	ug/l	99
86) Hexachloroethane	14.329	117	28240	18.358	ug/l	99
87) 1,2-Dichlorobenzene	14.100	146	88423	19.078	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11808	19.684	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	42238	19.995	ug/l	98
90) Hexachlorobutadiene	15.494	225	18323	21.534	ug/l	98
91) Naphthalene	15.635	128	154380	20.413	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	42238	19.995	ug/l	98

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

ICAL Form

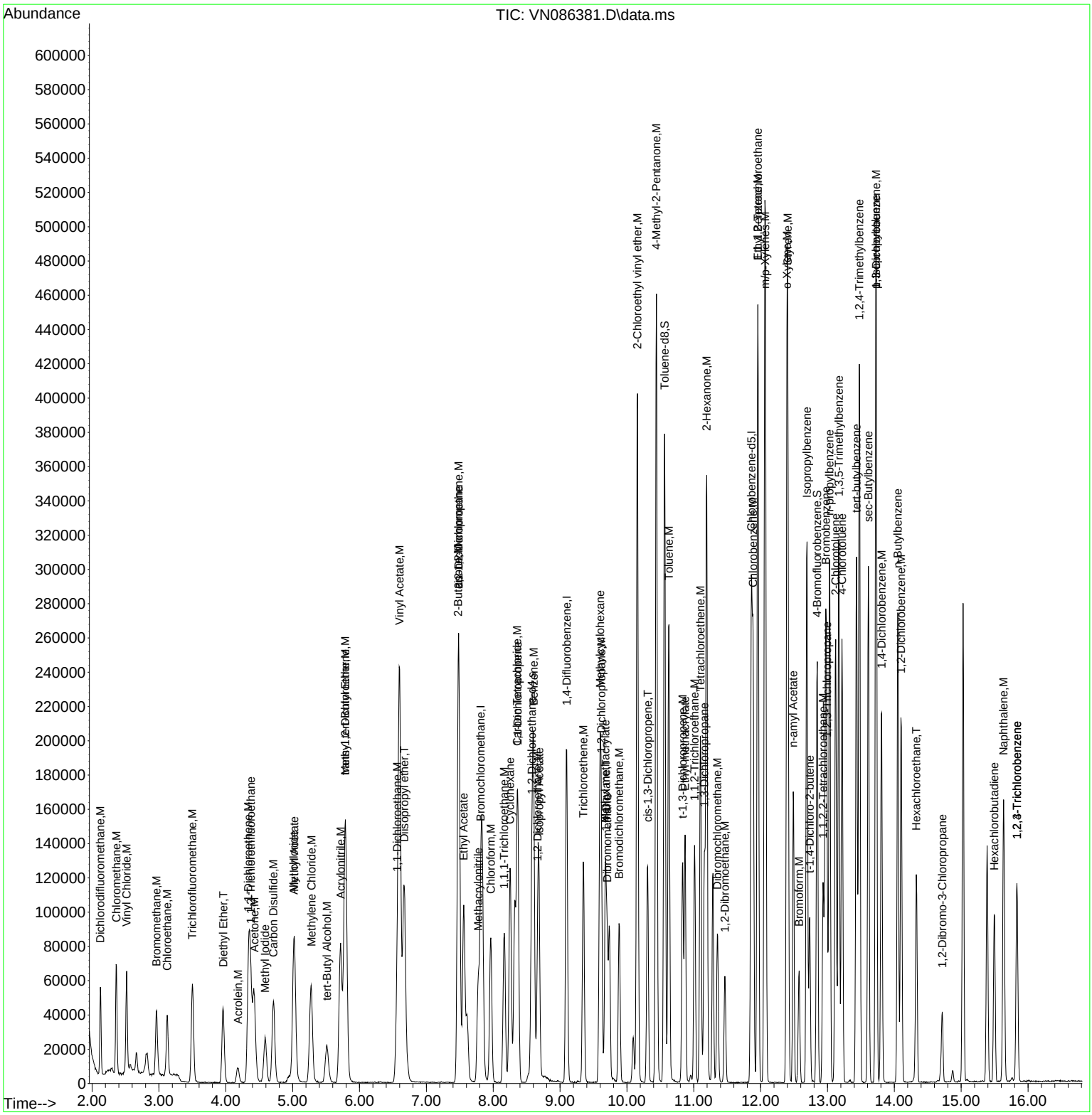
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086381.D
Acq On : 23 Apr 2025 13:53
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 24 04:50:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325

Manual Integrations APPROVED

Reviewed By :John Carlone 04/24/2025
Supervised By :Mahesh Dadoda 04/25/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086381.D
Acq On : 23 Apr 2025 13:53
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325

Quant Time: Apr 24 04:50:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 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	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	M	Dichlorodifluoromethane	2.071	2.142	-3.4	100	0.00
3	M	Chloromethane	2.942	3.004	-2.1	103	0.00
4	M	Vinyl Chloride	2.818	2.881	-2.2	102	0.00
5	M	Bromomethane	1.471	1.544	-5.0	103	0.00
6	M	Chloroethane	1.879	1.863	0.9	99	0.00
7	M	Trichlorofluoromethane	3.326	3.299	0.8	97	0.00
8	T	Diethyl Ether	1.404	1.412	-0.6	102	0.00
9		1,1,2-Trichlorotrifluoroeth	2.045	2.068	-1.1	101	0.00
10	M	1,1-Dichloroethene	2.093	2.063	1.4	98	0.00
11		Methyl Iodide	2.449	2.463	-0.6	101	0.00
12		Methyl Acetate	2.966	3.032	-2.2	101	0.00
13	M	Acrolein	0.150	0.126	16.0	98	0.00
14	M	Acrylonitrile	1.104	1.120	-1.4	101	0.00
15	M	Acetone	0.304	0.327	-7.6	117	0.00
16	M	Carbon Disulfide	5.515	5.689	-3.2	101	0.00
17		Allyl chloride	3.346	3.402	-1.7	104	0.00
18	M	Methylene Chloride	2.383	2.363	0.8	99	0.00
19	M	trans-1,2-Dichloroethene	2.231	2.238	-0.3	101	0.00
20	T	Diisopropyl ether	7.957	7.865	1.2	100	0.00
21	M	1,1-Dichloroethane	4.355	4.345	0.2	100	0.00
22	M	cis-1,2-Dichloroethene	2.789	2.775	0.5	101	0.00
23	M	tert-Butyl Alcohol	0.428	0.449	-4.9	98	0.00
24	M	Methyl tert-Butyl Ether	7.733	7.790	-0.7	101	0.00
25	M	Chloroform	4.408	4.367	0.9	98	0.00
26		Cyclohexane	3.846	3.789	1.5	100	0.00
27	s	1,2-Dichloroethane-d4	2.892	2.931	-1.3	98	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
29		1,1-Dichloropropene	0.529	0.509	3.8	101	0.00
30	M	2-Butanone	0.257	0.254	1.2	102	0.00
31		2,2-Dichloropropane	0.680	0.645	5.1	98	0.00
32	M	1,1,1-Trichloroethane	0.632	0.607	4.0	99	0.00
33	M	Carbon Tetrachloride	0.520	0.499	4.0	98	0.00
34	M	Benzene	1.682	1.632	3.0	100	0.00
35		Methacrylonitrile	0.293	0.278	5.1	93	0.00
36	M	1,2-Dichloroethane	0.546	0.531	2.7	100	0.00
37	M	Trichloroethene	0.421	0.401	4.8	101	0.00
38		Methylcyclohexane	0.611	0.587	3.9	100	0.00
39	M	1,2-Dichloropropane	0.416	0.396	4.8	98	0.00
40		Dibromomethane	0.278	0.268	3.6	98	0.00
41	M	Bromodichloromethane	0.588	0.572	2.7	100	0.00
42	M	Vinyl Acetate	0.889	0.874	1.7	99	0.00
43		Ethyl Acetate	0.508	0.480	5.5	101	0.00
44		Isopropyl Acetate	0.964	0.955	0.9	102	0.00
45	T	1,4-Dioxane	0.008	0.008	0.0	101	0.00
46		Methyl methacrylate	0.445	0.427	4.0	99	0.00
47		n-amyl Acetate	0.822	0.766	6.8	98	0.00
48	M	t-1,3-Dichloropropene	0.657	0.630	4.1	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086381.D
Acq On : 23 Apr 2025 13:53
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325

Quant Time: Apr 24 04:50:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 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	cis-1,3-Dichloropropene	0.693	0.667	3.8	100	0.00
50	M	1,1,2-Trichloroethane	0.388	0.382	1.5	100	0.00
51		Ethyl methacrylate	0.676	0.636	5.9	98	0.00
52		1,3-Dichloropropane	0.686	0.672	2.0	101	0.00
53	M	Dibromochloromethane	0.436	0.413	5.3	98	0.00
54	M	1,2-Dibromoethane	0.395	0.376	4.8	98	0.00
55	M	2-Chloroethyl vinyl ether	0.318	0.314	1.3	101	0.00
56	M	Bromoform	0.283	0.261	7.8	95	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
58	M	4-Methyl-2-Pentanone	0.581	0.573	1.4	99	0.00
59	M	2-Hexanone	0.428	0.420	1.9	98	0.00
60	S	4-Bromofluorobenzene	0.590	0.564	4.4	96	0.00
61	M	Tetrachloroethene	0.458	0.437	4.6	100	0.00
62	M	Toluene	2.008	1.942	3.3	98	0.00
63	S	Toluene-d8	1.650	1.656	-0.4	98	0.00
64	M	Chlorobenzene	1.251	1.212	3.1	98	0.00
65		1,1,1,2-Tetrachloroethane	0.418	0.403	3.6	99	0.00
66	M	Ethyl Benzene	2.260	2.186	3.3	98	0.00
67	M	m/p-Xylenes	0.858	0.828	3.5	99	0.00
68	M	o-Xylene	0.840	0.807	3.9	99	0.00
69	M	Styrene	1.423	1.353	4.9	99	0.00
70		Isopropylbenzene	2.096	2.016	3.8	98	0.00
71	M	1,1,2,2-Tetrachloroethane	0.552	0.562	-1.8	98	0.00
72		1,2,3-Trichloropropane	0.481	0.472	1.9	100	0.00
73		Bromobenzene	0.482	0.464	3.7	98	0.00
74		n-propylbenzene	2.491	2.374	4.7	99	0.00
75		2-Chlorotoluene	1.555	1.488	4.3	98	0.00
76		1,3,5-Trimethylbenzene	1.720	1.661	3.4	100	0.00
77		t-1,4-Dichloro-2-butene	0.244	0.231	5.3	100	0.00
78		4-Chlorotoluene	1.555	1.480	4.8	101	0.00
79		tert-butylbenzene	1.473	1.413	4.1	99	0.00
80		1,2,4-Trimethylbenzene	1.757	1.678	4.5	99	0.00
81		sec-Butylbenzene	2.103	2.007	4.6	101	0.00
82		p-Isopropyltoluene	1.759	1.660	5.6	101	0.00
83	M	1,3-Dichlorobenzene	0.911	0.860	5.6	102	0.00
84	M	1,4-Dichlorobenzene	0.900	0.861	4.3	103	0.00
85		n-Butylbenzene	1.570	1.473	6.2	103	0.00
86	T	Hexachloroethane	0.288	0.264	8.3	99	0.00
87	M	1,2-Dichlorobenzene	0.867	0.827	4.6	102	0.00
88		1,2-Dibromo-3-Chloropropane	0.112	0.110	1.8	107	0.00
89		1,2,4-Trichlorobenzene	0.395	0.395	0.0	112	0.00
90		Hexachlorobutadiene	0.159	0.171	-7.5	119	0.00
91	M	Naphthalene	1.414	1.444	-2.1	114	0.00
92		1,2,3-Trichlorobenzene	0.395	0.395	0.0	112	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086381.D
Acq On : 23 Apr 2025 13:53
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325

Quant Time: Apr 24 04:50:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 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	Bromochloromethane	30.000	30.000	0.0	100	0.00
2	M	Dichlorodifluoromethane	20.000	20.682	-3.4	100	0.00
3	M	Chloromethane	20.000	20.424	-2.1	103	0.00
4	M	Vinyl Chloride	20.000	20.449	-2.2	102	0.00
5	M	Bromomethane	20.000	20.985	-4.9	103	0.00
6	M	Chloroethane	20.000	19.838	0.8	99	0.00
7	M	Trichlorofluoromethane	20.000	19.836	0.8	97	0.00
8	T	Diethyl Ether	20.000	20.111	-0.6	102	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	20.227	-1.1	101	0.00
10	M	1,1-Dichloroethene	20.000	19.718	1.4	98	0.00
11		Methyl Iodide	20.000	20.120	-0.6	101	0.00
12		Methyl Acetate	20.000	20.442	-2.2	101	0.00
13	M	Acrolein	100.000	81.993	18.0	98	0.00
14	M	Acrylonitrile	100.000	101.422	-1.4	101	0.00
15	M	Acetone	100.000	107.574	-7.6	117	0.00
16	M	Carbon Disulfide	20.000	20.631	-3.2	101	0.00
17		Allyl chloride	20.000	20.329	-1.6	104	0.00
18	M	Methylene Chloride	20.000	19.828	0.9	99	0.00
19	M	trans-1,2-Dichloroethene	20.000	20.070	-0.4	101	0.00
20	T	Diisopropyl ether	20.000	19.768	1.2	100	0.00
21	M	1,1-Dichloroethane	20.000	19.950	0.3	100	0.00
22	M	cis-1,2-Dichloroethene	20.000	19.895	0.5	101	0.00
23	M	tert-Butyl Alcohol	100.000	104.953	-5.0	98	0.00
24	M	Methyl tert-Butyl Ether	20.000	20.147	-0.7	101	0.00
25	M	Chloroform	20.000	19.815	0.9	98	0.00
26		Cyclohexane	20.000	19.705	1.5	100	0.00
27	s	1,2-Dichloroethane-d4	30.000	30.399	-1.3	98	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	100	0.00
29		1,1-Dichloropropene	20.000	19.252	3.7	101	0.00
30	M	2-Butanone	100.000	98.812	1.2	102	0.00
31		2,2-Dichloropropane	20.000	18.971	5.1	98	0.00
32	M	1,1,1-Trichloroethane	20.000	19.213	3.9	99	0.00
33	M	Carbon Tetrachloride	20.000	19.200	4.0	98	0.00
34	M	Benzene	20.000	19.408	3.0	100	0.00
35		Methacrylonitrile	20.000	18.965	5.2	93	0.00
36	M	1,2-Dichloroethane	20.000	19.464	2.7	100	0.00
37	M	Trichloroethene	20.000	19.047	4.8	101	0.00
38		Methylcyclohexane	20.000	19.209	4.0	100	0.00
39	M	1,2-Dichloropropane	20.000	19.063	4.7	98	0.00
40		Dibromomethane	20.000	19.273	3.6	98	0.00
41	M	Bromodichloromethane	20.000	19.438	2.8	100	0.00
42	M	Vinyl Acetate	100.000	98.241	1.8	99	0.00
43		Ethyl Acetate	20.000	18.897	5.5	101	0.00
44		Isopropyl Acetate	20.000	19.805	1.0	102	0.00
45	T	1,4-Dioxane	400.000	411.534	-2.9	101	0.00
46		Methyl methacrylate	20.000	19.190	4.0	99	0.00
47		n-amyl Acetate	20.000	18.642	6.8	98	0.00
48	M	t-1,3-Dichloropropene	20.000	19.167	4.2	100	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086381.D
Acq On : 23 Apr 2025 13:53
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042325

Quant Time: Apr 24 04:50:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 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	cis-1,3-Dichloropropene	20.000	19.233	3.8	100	0.00
50	M	1,1,2-Trichloroethane	20.000	19.666	1.7	100	0.00
51		Ethyl methacrylate	20.000	18.819	5.9	98	0.00
52		1,3-Dichloropropane	20.000	19.590	2.1	101	0.00
53	M	Dibromochloromethane	20.000	18.927	5.4	98	0.00
54	M	1,2-Dibromoethane	20.000	19.043	4.8	98	0.00
55	M	2-Chloroethyl vinyl ether	100.000	98.770	1.2	101	0.00
56	M	Bromoform	20.000	18.434	7.8	95	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	98	0.00
58	M	4-Methyl-2-Pentanone	100.000	98.743	1.3	99	0.00
59	M	2-Hexanone	100.000	98.060	1.9	98	0.00
60	S	4-Bromofluorobenzene	30.000	28.685	4.4	96	0.00
61	M	Tetrachloroethene	20.000	19.102	4.5	100	0.00
62	M	Toluene	20.000	19.339	3.3	98	0.00
63	S	Toluene-d8	30.000	30.100	-0.3	98	0.00
64	M	Chlorobenzene	20.000	19.378	3.1	98	0.00
65		1,1,1,2-Tetrachloroethane	20.000	19.270	3.7	99	0.00
66	M	Ethyl Benzene	20.000	19.345	3.3	98	0.00
67	M	m/p-Xylenes	40.000	38.625	3.4	99	0.00
68	M	o-Xylene	20.000	19.209	4.0	99	0.00
69	M	Styrene	20.000	19.014	4.9	99	0.00
70		Isopropylbenzene	20.000	19.236	3.8	98	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	20.382	-1.9	98	0.00
72		1,2,3-Trichloropropane	20.000	19.624	1.9	100	0.00
73		Bromobenzene	20.000	19.266	3.7	98	0.00
74		n-propylbenzene	20.000	19.064	4.7	99	0.00
75		2-Chlorotoluene	20.000	19.133	4.3	98	0.00
76		1,3,5-Trimethylbenzene	20.000	19.311	3.4	100	0.00
77		t-1,4-Dichloro-2-butene	20.000	18.884	5.6	100	0.00
78		4-Chlorotoluene	20.000	19.044	4.8	101	0.00
79		tert-butylbenzene	20.000	19.180	4.1	99	0.00
80		1,2,4-Trimethylbenzene	20.000	19.103	4.5	99	0.00
81		sec-Butylbenzene	20.000	19.091	4.5	101	0.00
82		p-Isopropyltoluene	20.000	18.866	5.7	101	0.00
83	M	1,3-Dichlorobenzene	20.000	18.889	5.6	102	0.00
84	M	1,4-Dichlorobenzene	20.000	19.142	4.3	103	0.00
85		n-Butylbenzene	20.000	18.762	6.2	103	0.00
86	T	Hexachloroethane	20.000	18.358	8.2	99	0.00
87	M	1,2-Dichlorobenzene	20.000	19.078	4.6	102	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	19.684	1.6	107	0.00
89		1,2,4-Trichlorobenzene	20.000	19.995	0.0	112	0.00
90		Hexachlorobutadiene	20.000	21.534	-7.7	119	0.00
91	M	Naphthalene	20.000	20.413	-2.1	114	0.00
92		1,2,3-Trichlorobenzene	20.000	19.995	0.0	112	0.00

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

Raw Data: **VN086661.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: ARDM01

Lab Code: CHEM Case No.: Q2006 SAS No.: Q2006 SDG No.: Q2006

Instrument ID: MSVOA_N Calibration Date/Time: 05/16/2025 11:37

Lab File ID: VN086661.D Init. Calib. Date(s): 04/23/2025 04/23/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:22 13:17

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Chloromethane	2.942	2.908		-1.16	
Vinyl Chloride	2.818	2.716	0.1	-3.62	
Bromomethane	1.471	1.576	0.1	7.14	
Chloroethane	1.879	1.856		-1.22	
Trichlorofluoromethane	3.326	3.391		1.95	
1,1-Dichloroethene	2.093	2.081	0.1	-0.57	
Acrolein	0.150	0.126		-16	
Acrylonitrile	1.104	1.207		9.33	
Methylene Chloride	2.383	2.549		6.97	
trans-1,2-Dichloroethene	2.231	2.229		-0.09	
1,1-Dichloroethane	4.356	4.447	0.2	2.09	
Carbon Tetrachloride	0.520	0.534	0.1	2.69	
Chloroform	4.408	4.488	0.2	1.82	
1,1,1-Trichloroethane	0.632	0.643	0.1	1.74	
Benzene	1.682	1.733	0.5	3.03	
1,2-Dichloroethane	0.546	0.548	0.1	0.37	
Trichloroethene	0.421	0.418	0.3	-0.71	
1,2-Dichloropropane	0.416	0.415		-0.24	
Bromodichloromethane	0.588	0.594	0.2	1.02	
Toluene	2.008	2.018	0.4	0.5	
t-1,3-Dichloropropene	0.657	0.642	0.1	-2.28	
cis-1,3-Dichloropropene	0.693	0.684	0.2	-1.3	
1,1,2-Trichloroethane	0.388	0.408	0.1	5.16	
2-Chloroethyl vinyl ether	0.318	0.285		-10.38	
Dibromochloromethane	0.436	0.441	0.1	1.15	
Tetrachloroethene	0.458	0.463	0.2	1.09	
Chlorobenzene	1.251	1.280	0.5	2.32	
Ethyl Benzene	2.260	2.221	0.1	-1.73	
m/p-Xylenes	0.858	0.864	0.3	0.58	
o-Xylene	0.840	0.861	0.3	2.5	
Bromoform	0.283	0.295	0.1	4.24	
1,1,2,2-Tetrachloroethane	0.552	0.629	0.3	13.95	
1,3-Dichlorobenzene	0.911	0.921	0.2	1.1	
1,4-Dichlorobenzene	0.900	0.896	0.2	-0.44	
1,2-Dichlorobenzene	0.867	0.879	0.2	1.38	
1,2-Dichloroethane-d4	2.892	2.758	0.01	-4.63	
Toluene-d8	1.650	1.628	0.01	-1.33	
4-Bromofluorobenzene	0.590	0.567	0.2	-3.9	

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\VN051625\
Data File : VN086661.D
Acq On : 16 May 2025 11:37
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 23:00:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.806	128	29831	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	175700	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	163950	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	82264	28.603	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 95.333%			
60) 4-Bromofluorobenzene	12.847	95	92966	28.851	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.167%			
63) Toluene-d8	10.565	98	266858	29.586	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.633%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41358	20.082	ug/l	94
3) Chloromethane	2.359	50	57830	19.768	ug/l	97
4) Vinyl Chloride	2.512	62	54013	19.277	ug/l	99
5) Bromomethane	2.965	94	31351	21.431	ug/l	98
6) Chloroethane	3.124	64	36907	19.758	ug/l	98
7) Trichlorofluoromethane	3.500	101	67438	20.390	ug/l	99
8) Diethyl Ether	3.959	74	29202	20.917	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	43404	21.347	ug/l	98
10) 1,1-Dichloroethene	4.342	96	41381	19.884	ug/l	98
11) Methyl Iodide	4.583	142	46393	19.053	ug/l	97
12) Methyl Acetate	5.024	43	64573	21.891	ug/l	95
13) Acrolein	4.183	56	12516	82.166	ug/l	96
14) Acrylonitrile	5.712	53	120018	109.322	ug/l	100
15) Acetone	4.424	58	35292	116.663	ug/l	82
16) Carbon Disulfide	4.712	76	104088	18.981	ug/l	99
17) Allyl chloride	5.024	41	64209	19.296	ug/l	94
18) Methylene Chloride	5.277	84	50701	21.393	ug/l	93
19) trans-1,2-Dichloroethene	5.777	96	44331	19.985	ug/l	93
20) Diisopropyl ether	6.671	45	154005	19.465	ug/l	98
21) 1,1-Dichloroethane	6.565	63	88439	20.420	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	55722	20.090	ug/l	95
23) tert-Butyl Alcohol	5.518	59	46935	110.362	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	152245	19.800	ug/l	97
25) Chloroform	7.965	83	89245	20.361	ug/l	96
26) Cyclohexane	8.253	56	69656	18.215	ug/l #	99
29) 1,1-Dichloropropene	8.365	75	62412	20.149	ug/l	99
30) 2-Butanone	7.477	43	162156	107.859	ug/l	99
31) 2,2-Dichloropropane	7.483	77	77810	19.542	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	75356	20.359	ug/l	99
33) Carbon Tetrachloride	8.359	117	62551	20.529	ug/l	96
34) Benzene	8.600	78	203047	20.610	ug/l	97
35) Methacrylonitrile	7.771	41	33857	19.742	ug/l	93
36) 1,2-Dichloroethane	8.671	62	64212	20.075	ug/l	100
37) Trichloroethene	9.347	130	49007	19.871	ug/l	90
38) Methylcyclohexane	9.600	83	66866	18.692	ug/l	99
39) 1,2-Dichloropropane	9.612	63	48649	19.989	ug/l	94
40) Dibromomethane	9.706	93	33013	20.283	ug/l	94
41) Bromodichloromethane	9.888	83	69542	20.190	ug/l	98
42) Vinyl Acetate	6.600	43	534061	102.547	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086661.D
Acq On : 16 May 2025 11:37
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 23:00:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	62606	21.043	ug/l	96
44) Isopropyl Acetate	8.682	43	116785	20.682	ug/l	100
45) 1,4-Dioxane	9.694	88	20440	463.944	ug/l	95
46) Methyl methacrylate	9.677	41	50176	19.264	ug/l	99
47) n-amyl Acetate	12.488	43	94321	19.598	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	75178	19.523	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	80143	19.736	ug/l	93
50) 1,1,2-Trichloroethane	11.012	97	47746	21.002	ug/l	96
51) Ethyl methacrylate	10.871	69	78180	19.745	ug/l	93
52) 1,3-Dichloropropane	11.159	76	82559	20.547	ug/l	99
53) Dibromochloromethane	11.353	129	51617	20.220	ug/l	100
54) 1,2-Dibromoethane	11.465	107	47987	20.760	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	166983	89.701	ug/l	98
56) Bromoform	12.576	173	34499	20.825	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	322848	101.759	ug/l	98
59) 2-Hexanone	11.194	43	239597	102.478	ug/l	98
61) Tetrachloroethene	11.100	164	50559	20.219	ug/l	94
62) Toluene	10.629	91	220605	20.102	ug/l	99
64) Chlorobenzene	11.888	112	139913	20.461	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	47376	20.721	ug/l	100
66) Ethyl Benzene	11.959	91	242809	19.656	ug/l	100
67) m/p-Xylenes	12.071	106	188761	40.274	ug/l	99
68) o-Xylene	12.394	106	94158	20.518	ug/l	95
69) Styrene	12.406	104	155311	19.967	ug/l	99
70) Isopropylbenzene	12.694	105	226286	19.753	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	68752	22.793	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	57084m	21.707	ug/l	
73) Bromobenzene	12.976	156	54742	20.786	ug/l	99
74) n-propylbenzene	13.035	91	265200	19.482	ug/l	99
75) 2-Chlorotoluene	13.123	91	168942	19.881	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	184307	19.608	ug/l	98
77) t-1,4-Dichloro-2-butene	12.729	75	25543	19.139	ug/l	91
78) 4-Chlorotoluene	13.217	91	168526	19.834	ug/l	98
79) tert-butylbenzene	13.435	119	159066	19.760	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	185703	19.345	ug/l	97
81) sec-Butylbenzene	13.612	105	223670	19.465	ug/l	98
82) p-Isopropyltoluene	13.723	119	183201	19.053	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	100661	20.219	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	97903	19.904	ug/l	99
85) n-Butylbenzene	14.053	91	157538	18.362	ug/l	99
86) Hexachloroethane	14.329	117	29188	18.564	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	96035	20.273	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11431	18.645	ug/l	95
89) 1,2,4-Trichlorobenzene	15.835	180	41402	19.176	ug/l	99
90) Hexachlorobutadiene	15.494	225	17065	19.623	ug/l	97
91) Naphthalene	15.635	128	141682	18.330	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	41402	19.176	ug/l	99

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

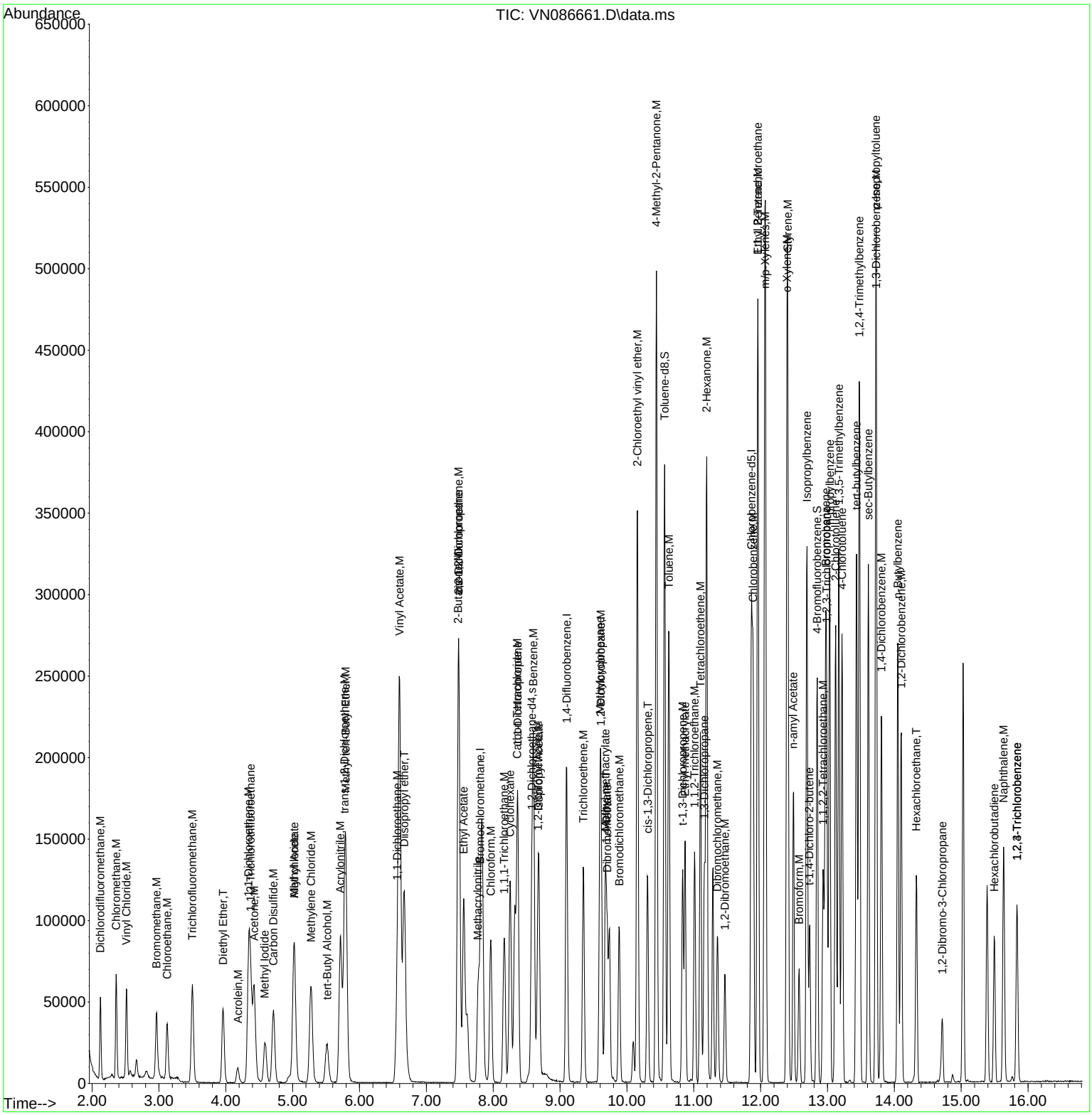
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086661.D
Acq On : 16 May 2025 11:37
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 16 23:00:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

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



Sample Results: **VN086661.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086661.D
Acq On : 16 May 2025 11:37
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: May 16 23:00:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 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	Bromochloromethane	1.000	1.000	0.0	103	0.00
2	M	Dichlorodifluoromethane	2.071	2.080	-0.4	101	0.00
3	M	Chloromethane	2.942	2.908	1.2	103	0.00
4	M	Vinyl Chloride	2.818	2.716	3.6	100	0.00
5	M	Bromomethane	1.471	1.576	-7.1	108	0.00
6	M	Chloroethane	1.879	1.856	1.2	102	0.00
7	M	Trichlorofluoromethane	3.326	3.391	-2.0	103	0.00
8	T	Diethyl Ether	1.404	1.468	-4.6	109	0.00
9		1,1,2-Trichlorotrifluoroeth	2.045	2.182	-6.7	110	0.00
10	M	1,1-Dichloroethene	2.093	2.081	0.6	103	0.00
11		Methyl Iodide	2.449	2.333	4.7	99	-0.01
12		Methyl Acetate	2.966	3.247	-9.5	112	0.00
13	M	Acrolein	0.150	0.126	16.0	102	0.00
14	M	Acrylonitrile	1.104	1.207	-9.3	113	0.00
15	M	Acetone	0.304	0.355	-16.8	132	0.00
16	M	Carbon Disulfide	5.515	5.234	5.1	96	0.00
17		Allyl chloride	3.346	3.229	3.5	102	0.00
18	M	Methylene Chloride	2.383	2.549	-7.0	111	0.00
19	M	trans-1,2-Dichloroethene	2.231	2.229	0.1	105	0.00
20	T	Diisopropyl ether	7.957	7.744	2.7	102	0.00
21	M	1,1-Dichloroethane	4.355	4.447	-2.1	106	0.00
22	M	cis-1,2-Dichloroethene	2.789	2.802	-0.5	106	0.00
23	M	tert-Butyl Alcohol	0.428	0.472	-10.3	107	0.00
24	M	Methyl tert-Butyl Ether	7.733	7.655	1.0	102	0.00
25	M	Chloroform	4.408	4.488	-1.8	104	0.00
26		Cyclohexane	3.846	3.503	8.9	96	0.00
27	s	1,2-Dichloroethane-d4	2.892	2.758	4.6	96	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
29		1,1-Dichloropropene	0.529	0.533	-0.8	105	0.00
30	M	2-Butanone	0.257	0.277	-7.8	111	0.00
31		2,2-Dichloropropane	0.680	0.664	2.4	100	0.00
32	M	1,1,1-Trichloroethane	0.632	0.643	-1.7	104	0.00
33	M	Carbon Tetrachloride	0.520	0.534	-2.7	104	0.00
34	M	Benzene	1.682	1.733	-3.0	105	0.00
35		Methacrylonitrile	0.293	0.289	1.4	96	0.00
36	M	1,2-Dichloroethane	0.546	0.548	-0.4	102	0.00
37	M	Trichloroethene	0.421	0.418	0.7	105	0.00
38		Methylcyclohexane	0.611	0.571	6.5	96	0.00
39	M	1,2-Dichloropropane	0.416	0.415	0.2	103	0.00
40		Dibromomethane	0.278	0.282	-1.4	103	0.00
41	M	Bromodichloromethane	0.588	0.594	-1.0	103	0.00
42	M	Vinyl Acetate	0.889	0.912	-2.6	103	0.00
43		Ethyl Acetate	0.508	0.534	-5.1	112	0.00
44		Isopropyl Acetate	0.964	0.997	-3.4	106	0.00
45	T	1,4-Dioxane	0.008	0.009	-12.5	114	0.00
46		Methyl methacrylate	0.445	0.428	3.8	99	0.00
47		n-amyl Acetate	0.822	0.805	2.1	102	0.00
48	M	t-1,3-Dichloropropene	0.657	0.642	2.3	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086661.D
Acq On : 16 May 2025 11:37
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: May 16 23:00:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 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	cis-1,3-Dichloropropene	0.693	0.684	1.3	102	0.00
50	M	1,1,2-Trichloroethane	0.388	0.408	-5.2	106	0.00
51		Ethyl methacrylate	0.676	0.667	1.3	103	0.00
52		1,3-Dichloropropane	0.686	0.705	-2.8	105	0.00
53	M	Dibromochloromethane	0.436	0.441	-1.1	104	0.00
54	M	1,2-Dibromoethane	0.395	0.410	-3.8	106	0.00
55	M	2-Chloroethyl vinyl ether	0.318	0.285	10.4	92	0.00
56	M	Bromoform	0.283	0.295	-4.2	107	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
58	M	4-Methyl-2-Pentanone	0.581	0.591	-1.7	105	0.00
59	M	2-Hexanone	0.428	0.438	-2.3	105	0.00
60	S	4-Bromofluorobenzene	0.590	0.567	3.9	99	0.00
61	M	Tetrachloroethene	0.458	0.463	-1.1	108	0.00
62	M	Toluene	2.008	2.018	-0.5	104	0.00
63	S	Toluene-d8	1.650	1.628	1.3	99	0.00
64	M	Chlorobenzene	1.251	1.280	-2.3	106	0.00
65		1,1,1,2-Tetrachloroethane	0.418	0.433	-3.6	108	0.00
66	M	Ethyl Benzene	2.260	2.221	1.7	102	0.00
67	M	m/p-Xylenes	0.858	0.863	-0.6	105	0.00
68	M	o-Xylene	0.840	0.861	-2.5	108	0.00
69	M	Styrene	1.423	1.421	0.1	106	0.00
70		Isopropylbenzene	2.096	2.070	1.2	103	0.00
71	M	1,1,2,2-Tetrachloroethane	0.552	0.629	-13.9	112	0.00
72		1,2,3-Trichloropropane	0.481	0.522	-8.5	113	0.00
73		Bromobenzene	0.482	0.501	-3.9	108	0.00
74		n-propylbenzene	2.491	2.426	2.6	103	0.00
75		2-Chlorotoluene	1.555	1.546	0.6	104	0.00
76		1,3,5-Trimethylbenzene	1.720	1.686	2.0	104	0.00
77		t-1,4-Dichloro-2-butene	0.244	0.234	4.1	103	0.00
78		4-Chlorotoluene	1.555	1.542	0.8	107	0.00
79		tert-butylbenzene	1.473	1.455	1.2	104	0.00
80		1,2,4-Trimethylbenzene	1.757	1.699	3.3	103	0.00
81		sec-Butylbenzene	2.103	2.046	2.7	105	0.00
82		p-Isopropyltoluene	1.759	1.676	4.7	105	0.00
83	M	1,3-Dichlorobenzene	0.911	0.921	-1.1	111	0.00
84	M	1,4-Dichlorobenzene	0.900	0.896	0.4	109	0.00
85		n-Butylbenzene	1.570	1.441	8.2	103	0.00
86	T	Hexachloroethane	0.288	0.267	7.3	102	0.00
87	M	1,2-Dichlorobenzene	0.867	0.879	-1.4	111	0.00
88		1,2-Dibromo-3-Chloropropane	0.112	0.105	6.3	103	0.00
89		1,2,4-Trichlorobenzene	0.395	0.379	4.1	110	0.00
90		Hexachlorobutadiene	0.159	0.156	1.9	111	0.00
91	M	Naphthalene	1.414	1.296	8.3	105	0.00
92		1,2,3-Trichlorobenzene	0.395	0.379	4.1	110	0.00

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

Sample Results: **VN086661.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086661.D
Acq On : 16 May 2025 11:37
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: May 16 23:00:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 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	Bromochloromethane	30.000	30.000	0.0	103	0.00
2	M	Dichlorodifluoromethane	20.000	20.082	-0.4	101	0.00
3	M	Chloromethane	20.000	19.768	1.2	103	0.00
4	M	Vinyl Chloride	20.000	19.277	3.6	100	0.00
5	M	Bromomethane	20.000	21.431	-7.2	108	0.00
6	M	Chloroethane	20.000	19.758	1.2	102	0.00
7	M	Trichlorofluoromethane	20.000	20.390	-2.0	103	0.00
8	T	Diethyl Ether	20.000	20.917	-4.6	109	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	21.347	-6.7	110	0.00
10	M	1,1-Dichloroethene	20.000	19.884	0.6	103	0.00
11		Methyl Iodide	20.000	19.053	4.7	99	-0.01
12		Methyl Acetate	20.000	21.891	-9.5	112	0.00
13	M	Acrolein	100.000	82.166	17.8	102	0.00
14	M	Acrylonitrile	100.000	109.322	-9.3	113	0.00
15	M	Acetone	100.000	116.663	-16.7	132	0.00
16	M	Carbon Disulfide	20.000	18.981	5.1	96	0.00
17		Allyl chloride	20.000	19.296	3.5	102	0.00
18	M	Methylene Chloride	20.000	21.393	-7.0	111	0.00
19	M	trans-1,2-Dichloroethene	20.000	19.985	0.1	105	0.00
20	T	Diisopropyl ether	20.000	19.465	2.7	102	0.00
21	M	1,1-Dichloroethane	20.000	20.420	-2.1	106	0.00
22	M	cis-1,2-Dichloroethene	20.000	20.090	-0.4	106	0.00
23	M	tert-Butyl Alcohol	100.000	110.362	-10.4	107	0.00
24	M	Methyl tert-Butyl Ether	20.000	19.800	1.0	102	0.00
25	M	Chloroform	20.000	20.361	-1.8	104	0.00
26		Cyclohexane	20.000	18.215	8.9	96	0.00
27	s	1,2-Dichloroethane-d4	30.000	28.603	4.7	96	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	99	0.00
29		1,1-Dichloropropene	20.000	20.149	-0.7	105	0.00
30	M	2-Butanone	100.000	107.859	-7.9	111	0.00
31		2,2-Dichloropropane	20.000	19.542	2.3	100	0.00
32	M	1,1,1-Trichloroethane	20.000	20.359	-1.8	104	0.00
33	M	Carbon Tetrachloride	20.000	20.529	-2.6	104	0.00
34	M	Benzene	20.000	20.610	-3.0	105	0.00
35		Methacrylonitrile	20.000	19.742	1.3	96	0.00
36	M	1,2-Dichloroethane	20.000	20.075	-0.4	102	0.00
37	M	Trichloroethene	20.000	19.871	0.6	105	0.00
38		Methylcyclohexane	20.000	18.692	6.5	96	0.00
39	M	1,2-Dichloropropane	20.000	19.989	0.1	103	0.00
40		Dibromomethane	20.000	20.283	-1.4	103	0.00
41	M	Bromodichloromethane	20.000	20.190	-1.0	103	0.00
42	M	Vinyl Acetate	100.000	102.547	-2.5	103	0.00
43		Ethyl Acetate	20.000	21.043	-5.2	112	0.00
44		Isopropyl Acetate	20.000	20.682	-3.4	106	0.00
45	T	1,4-Dioxane	400.000	463.944	-16.0	114	0.00
46		Methyl methacrylate	20.000	19.264	3.7	99	0.00
47		n-amyl Acetate	20.000	19.598	2.0	102	0.00
48	M	t-1,3-Dichloropropene	20.000	19.523	2.4	101	0.00

Sample Results: **VN086661.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086661.D
Acq On : 16 May 2025 11:37
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: May 16 23:00:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 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	cis-1,3-Dichloropropene	20.000	19.736	1.3	102	0.00
50	M	1,1,2-Trichloroethane	20.000	21.002	-5.0	106	0.00
51		Ethyl methacrylate	20.000	19.745	1.3	103	0.00
52		1,3-Dichloropropane	20.000	20.547	-2.7	105	0.00
53	M	Dibromochloromethane	20.000	20.220	-1.1	104	0.00
54	M	1,2-Dibromoethane	20.000	20.760	-3.8	106	0.00
55	M	2-Chloroethyl vinyl ether	100.000	89.701	10.3	92	0.00
56	M	Bromoform	20.000	20.825	-4.1	107	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	101	0.00
58	M	4-Methyl-2-Pentanone	100.000	101.759	-1.8	105	0.00
59	M	2-Hexanone	100.000	102.478	-2.5	105	0.00
60	S	4-Bromofluorobenzene	30.000	28.851	3.8	99	0.00
61	M	Tetrachloroethene	20.000	20.219	-1.1	108	0.00
62	M	Toluene	20.000	20.102	-0.5	104	0.00
63	S	Toluene-d8	30.000	29.586	1.4	99	0.00
64	M	Chlorobenzene	20.000	20.461	-2.3	106	0.00
65		1,1,1,2-Tetrachloroethane	20.000	20.721	-3.6	108	0.00
66	M	Ethyl Benzene	20.000	19.656	1.7	102	0.00
67	M	m/p-Xylenes	40.000	40.274	-0.7	105	0.00
68	M	o-Xylene	20.000	20.518	-2.6	108	0.00
69	M	Styrene	20.000	19.967	0.2	106	0.00
70		Isopropylbenzene	20.000	19.753	1.2	103	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	22.793	-14.0	112	0.00
72		1,2,3-Trichloropropane	20.000	21.707	-8.5	113	0.00
73		Bromobenzene	20.000	20.786	-3.9	108	0.00
74		n-propylbenzene	20.000	19.482	2.6	103	0.00
75		2-Chlorotoluene	20.000	19.881	0.6	104	0.00
76		1,3,5-Trimethylbenzene	20.000	19.608	2.0	104	0.00
77		t-1,4-Dichloro-2-butene	20.000	19.139	4.3	103	0.00
78		4-Chlorotoluene	20.000	19.834	0.8	107	0.00
79		tert-butylbenzene	20.000	19.760	1.2	104	0.00
80		1,2,4-Trimethylbenzene	20.000	19.345	3.3	103	0.00
81		sec-Butylbenzene	20.000	19.465	2.7	105	0.00
82		p-Isopropyltoluene	20.000	19.053	4.7	105	0.00
83	M	1,3-Dichlorobenzene	20.000	20.219	-1.1	111	0.00
84	M	1,4-Dichlorobenzene	20.000	19.904	0.5	109	0.00
85		n-Butylbenzene	20.000	18.362	8.2	103	0.00
86	T	Hexachloroethane	20.000	18.564	7.2	102	0.00
87	M	1,2-Dichlorobenzene	20.000	20.273	-1.4	111	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	18.645	6.8	103	0.00
89		1,2,4-Trichlorobenzene	20.000	19.176	4.1	110	0.00
90		Hexachlorobutadiene	20.000	19.623	1.9	111	0.00
91	M	Naphthalene	20.000	18.330	8.4	105	0.00
92		1,2,3-Trichlorobenzene	20.000	19.176	4.1	110	0.00

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

QC SAMPLE DATA

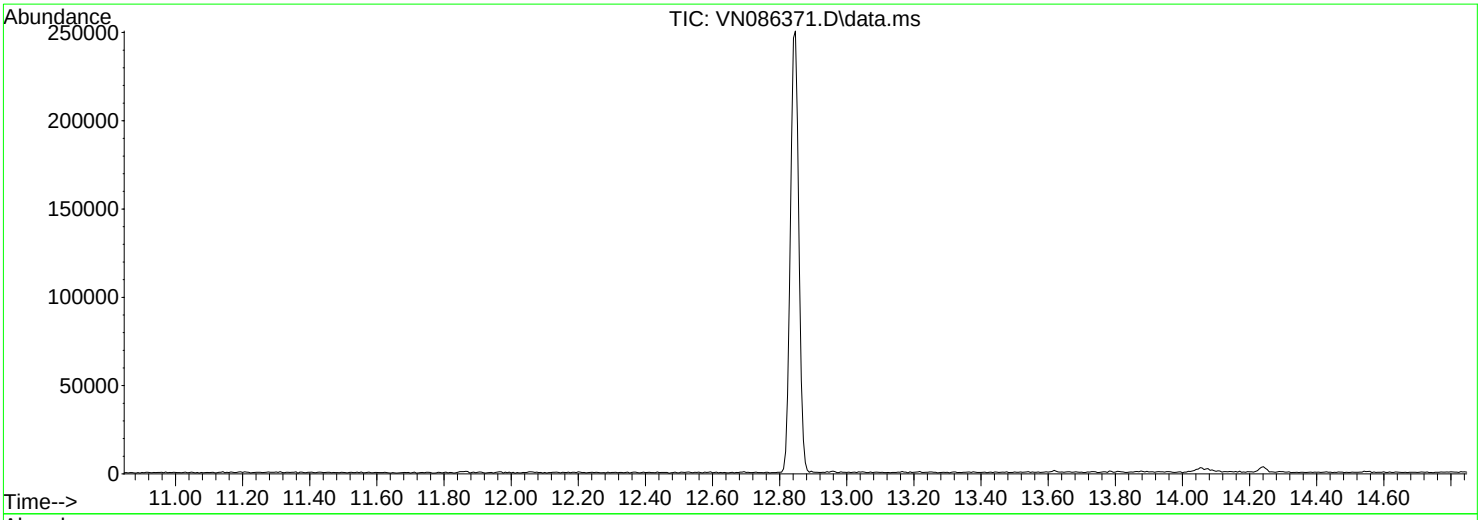
Sample Results: **VN086371.D**

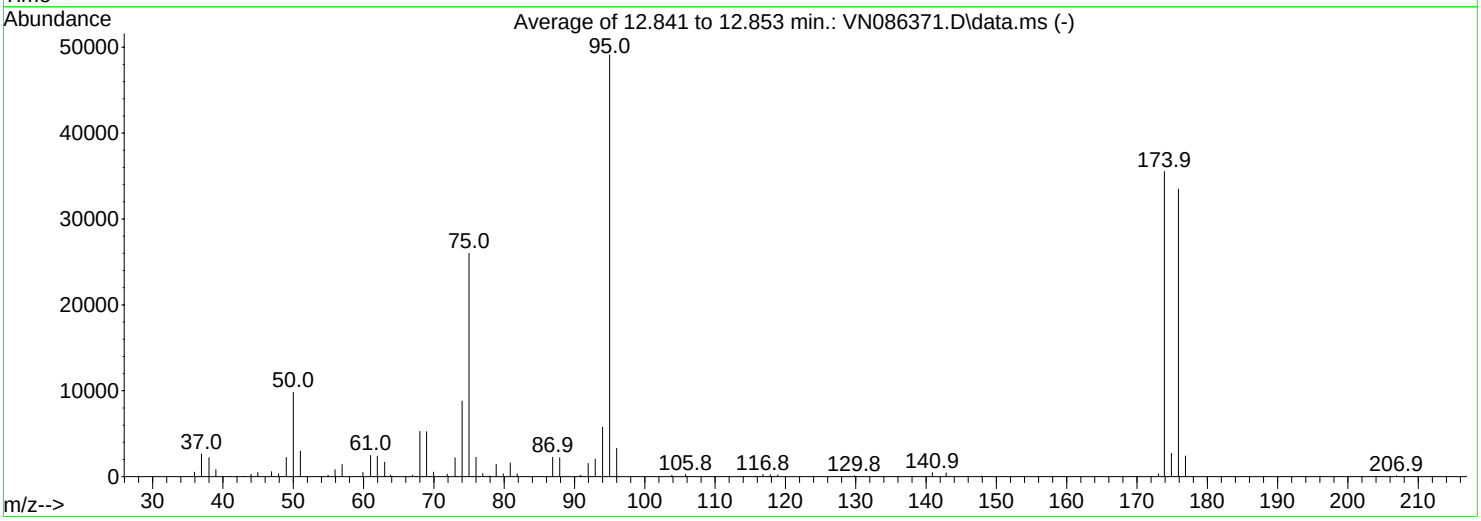
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042325\
Data File : VN086371.D
Acq On : 23 Apr 2025 08:43
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Thu Apr 24 04:42:24 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	20.0	9823	PASS
75	95	30	60	53.0	26013	PASS
95	95	100	100	100.0	49115	PASS
96	95	5	9	6.7	3299	PASS
173	174	0.00	2	0.9	324	PASS
174	95	50	100	72.3	35525	PASS
175	174	5	9	7.6	2695	PASS
176	174	95	101	94.3	33483	FAIL*
177	176	5	9	7.2	2405	PASS

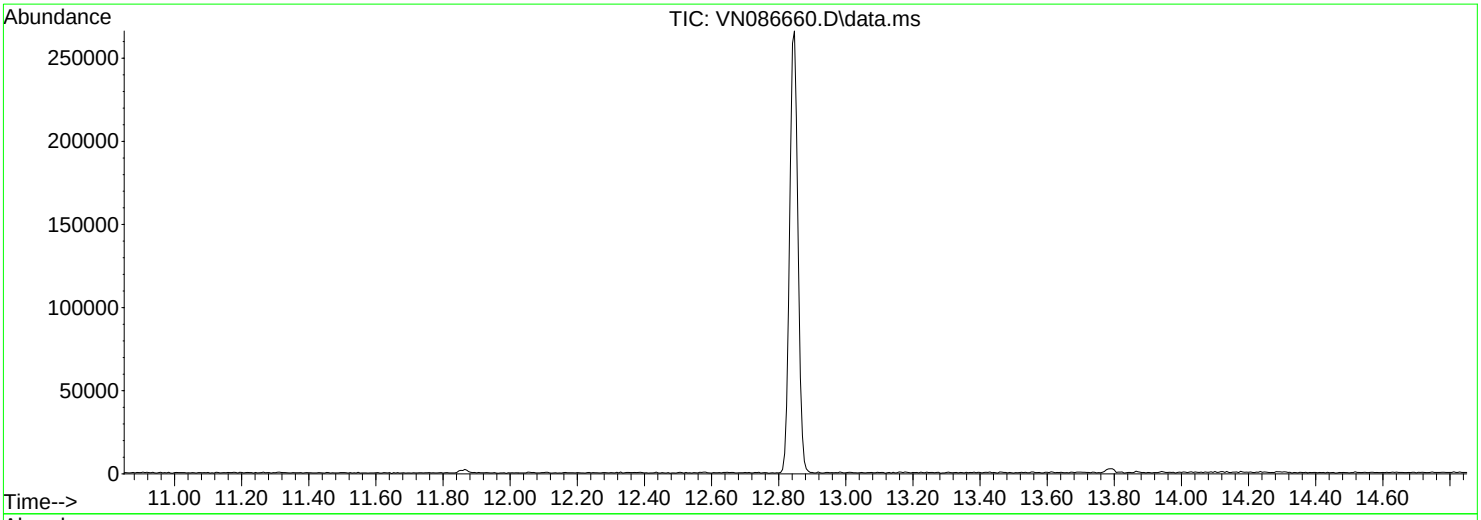
Sample Results: **VN086660.D**

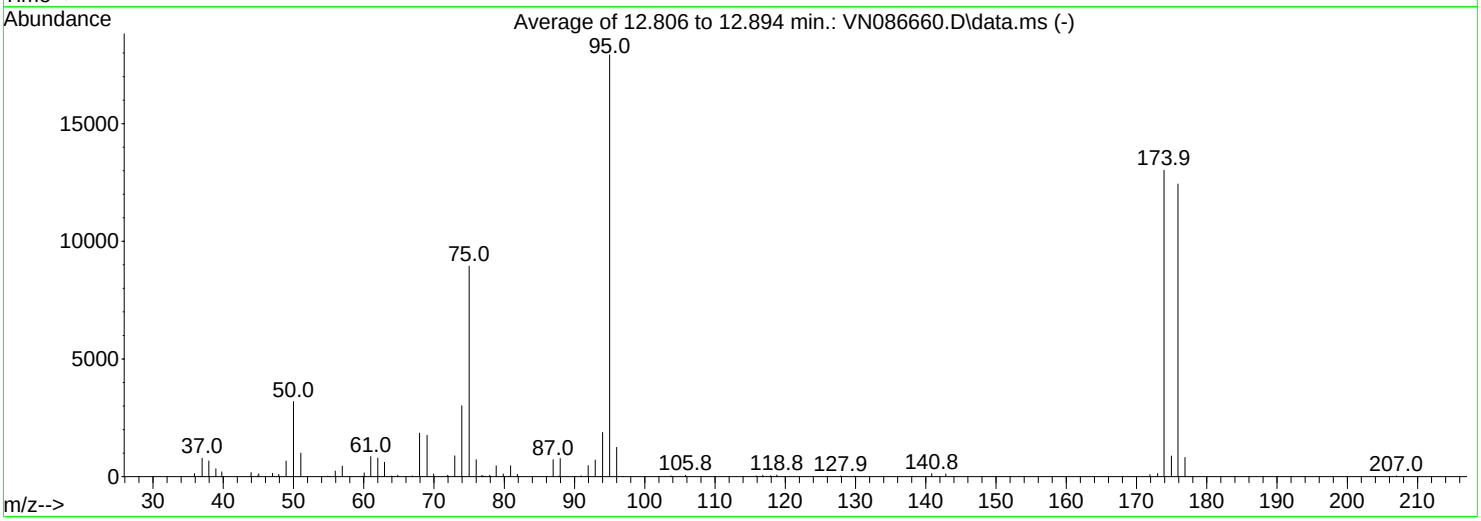
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086660.D
Acq On : 16 May 2025 09:17
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Thu Apr 24 04:42:24 2025





AutoFind: Averaged scan 1845 to 1860; Bkg corrected with scan 1844

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.8	3188	PASS
75	95	30	60	49.9	8949	PASS
95	95	100	100	100.0	17923	PASS
96	95	5	9	7.0	1246	PASS
173	174	0.00	2	1.0	129	PASS
174	95	50	100	72.6	13020	PASS
175	174	5	9	6.8	879	PASS
176	174	95	101	95.5	12438	PASS
177	176	5	9	6.5	813	PASS

Raw Data: **VN086664.D**

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

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VN0516WBL01		SDG No.:	Q2006	
Lab Sample ID:	VN0516WBL01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-PP	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086664.D	1		05/16/25 13:20	VN051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.64	U	0.64	5.00	ug/L
75-01-4	Vinyl Chloride	0.83	U	0.83	5.00	ug/L
74-83-9	Bromomethane	0.80	U	0.80	5.00	ug/L
75-00-3	Chloroethane	2.30	U	2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.80	U	0.80	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	U	0.76	5.00	ug/L
107-02-8	Acrolein	6.60	U	6.60	25.0	ug/L
107-13-1	Acrylonitrile	2.80	U	2.80	25.0	ug/L
75-09-2	Methylene Chloride	0.86	U	0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.74	U	0.74	5.00	ug/L
67-66-3	Chloroform	0.55	U	0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	5.00	ug/L
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.50	5.00	ug/L
79-01-6	Trichloroethene	0.49	U	0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	0.46	5.00	ug/L
75-27-4	Bromodichloromethane	0.64	U	0.64	5.00	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	5.00	ug/L
110-75-8	2-Chloroethyl vinyl ether	4.60	U	4.60	25.0	ug/L
124-48-1	Dibromochloromethane	0.66	U	0.66	5.00	ug/L
127-18-4	Tetrachloroethene	0.84	U	0.84	5.00	ug/L
108-90-7	Chlorobenzene	0.47	U	0.47	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L

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

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VN0516WBL01		SDG No.:	Q2006	
Lab Sample ID:	VN0516WBL01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-PP	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086664.D	1		05/16/25 13:20	VN051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	0.94	U	0.94	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.44	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.6		91 - 110	95%	SPK: 30
2037-26-5	Toluene-d8	29.8		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	26.5		63 - 112	88%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	29900	7.812			
540-36-3	1,4-Difluorobenzene	172000	9.1			
3114-55-4	Chlorobenzene-d5	156000	11.865			

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\VN051625\
Data File : VN086664.D
Acq On : 16 May 2025 13:20
Operator : JC\MD
Sample : VN0516WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

Quant Time: May 16 23:03:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

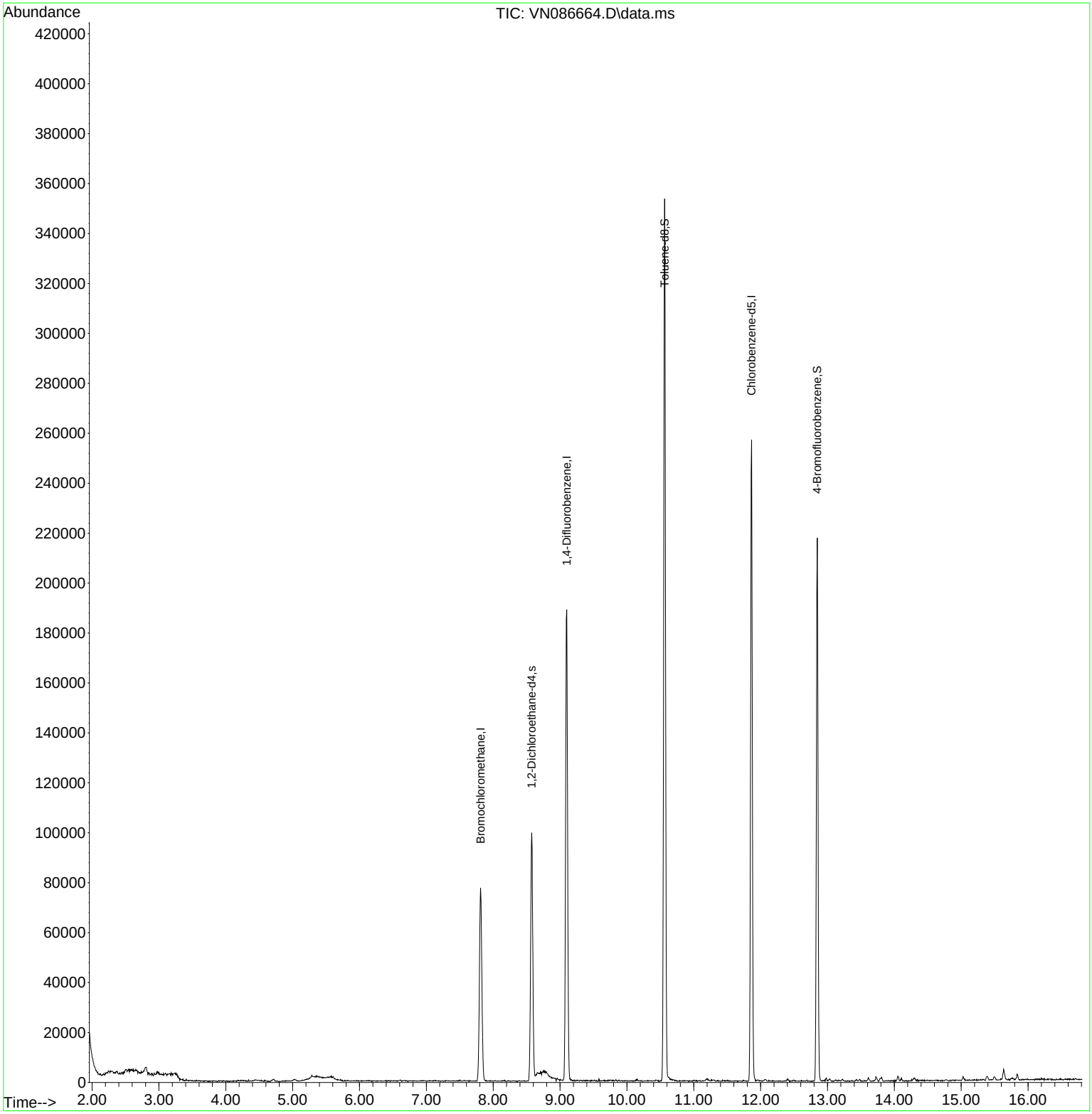
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	29934	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	171805	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	155509	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	82632	28.632	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 95.433%			
60) 4-Bromofluorobenzene	12.847	95	81087	26.530	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 88.433%			
63) Toluene-d8	10.565	98	254603	29.760	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.200%			
Target Compounds						Qvalue

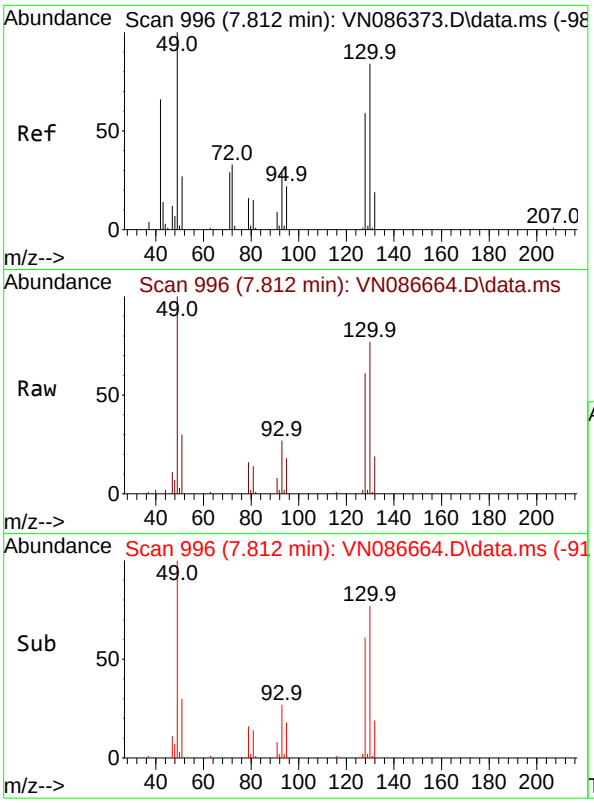
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086664.D
Acq On : 16 May 2025 13:20
Operator : JC\MD
Sample : VN0516WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

Quant Time: May 16 23:03:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration



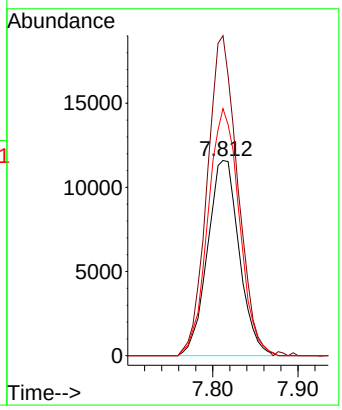


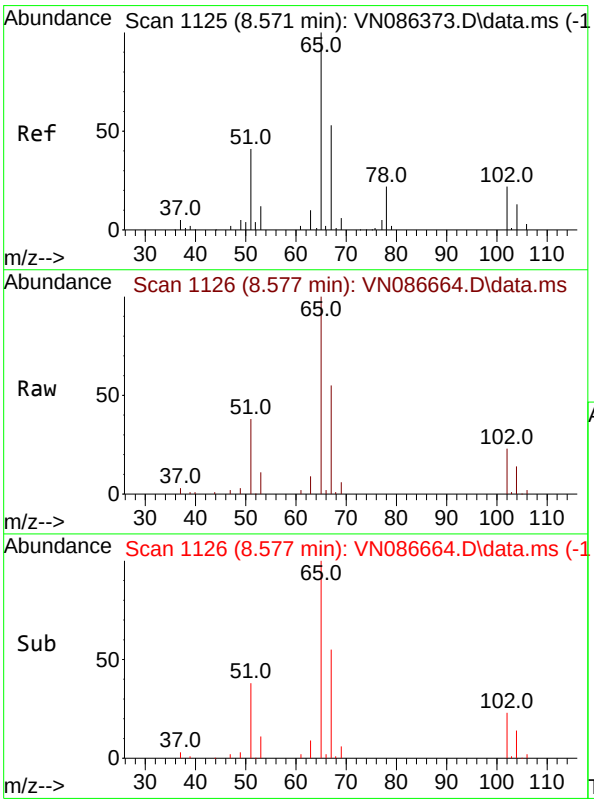
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

Tgt Ion:128 Resp: 29934

Ion	Ratio	Lower	Upper
128	100		
49	157.6	0.0	433.8
130	125.7	0.0	325.0

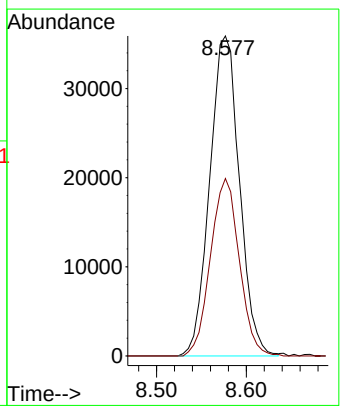


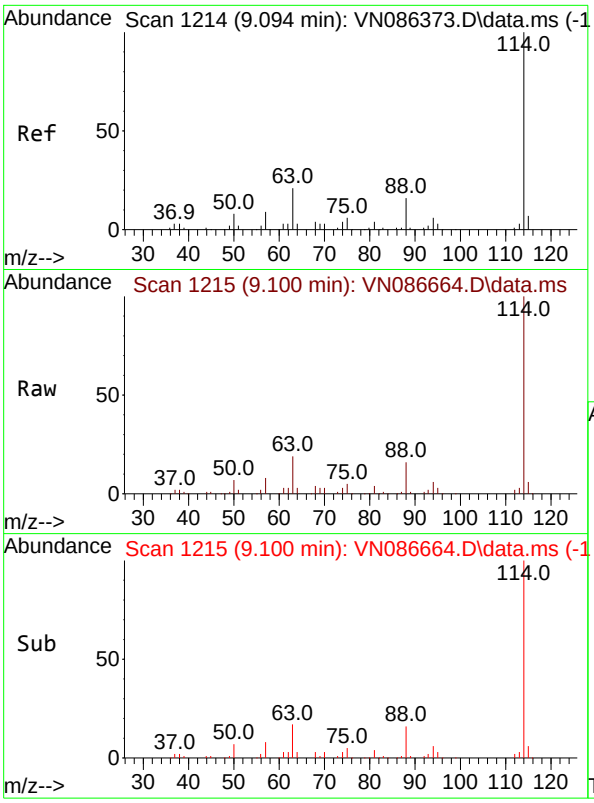


#27
1,2-Dichloroethane-d4
Concen: 28.632 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

Tgt Ion: 65 Resp: 82632

Ion	Ratio	Lower	Upper
65	100		
67	53.7	42.5	63.7



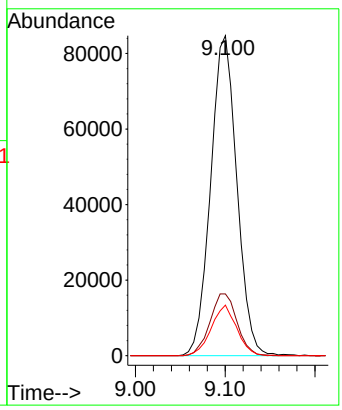


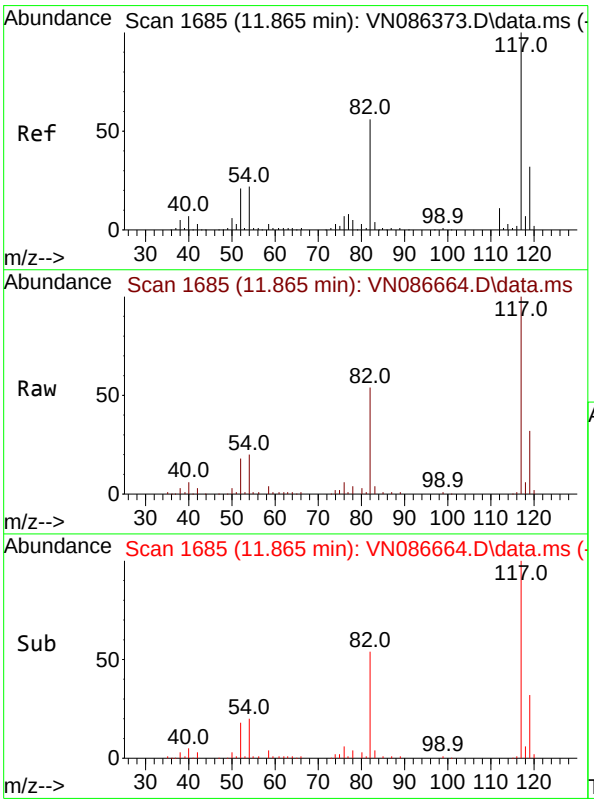
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

Tgt Ion:114 Resp: 171805

Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.7	25.1
88	15.3	12.6	19.0

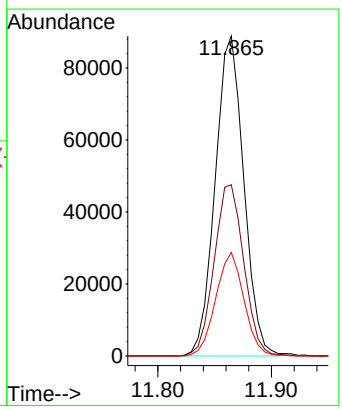


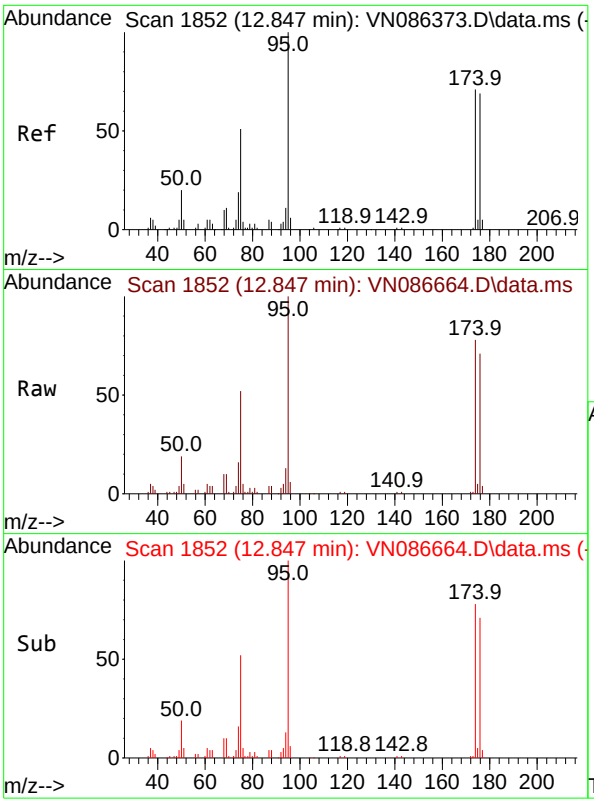


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

Tgt Ion:117 Resp: 155509

Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.5	68.3
119	31.9	25.9	38.9



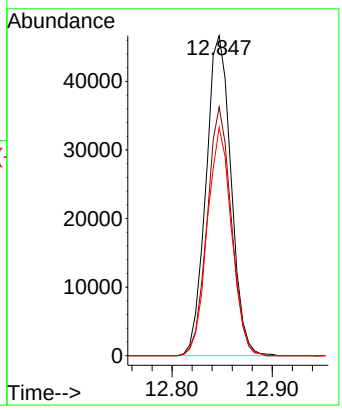


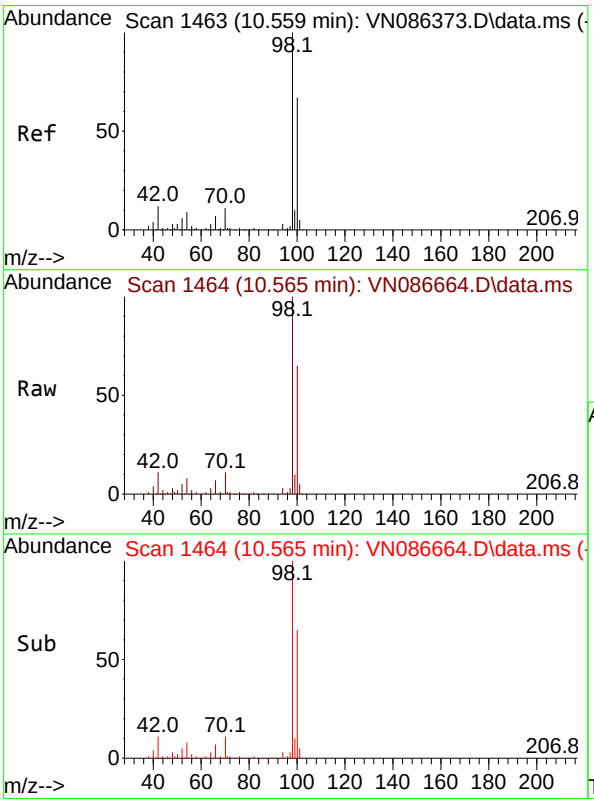
#60
4-Bromofluorobenzene
Concen: 26.530 ug/l
RT: 12.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN0516WBL01

Tgt Ion: 95 Resp: 81087

Ion	Ratio	Lower	Upper
95	100		
174	74.8	56.6	84.8
176	69.5	53.3	79.9

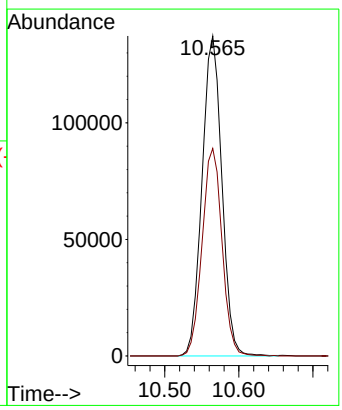




#63
Toluene-d8
Concen: 29.760 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN086664.D
Acq: 16 May 2025 13:20

Tgt Ion: 98 Resp: 254603

Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.1	79.7



Raw Data: **VN086662.D**

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

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	
Project:	PVSC Monthly 2025	Date Received:	
Client Sample ID:	VN0516WBS01	SDG No.:	Q2006
Lab Sample ID:	VN0516WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-PP
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086662.D	1		05/16/25 12:13	VN051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	19.6		0.64	5.00	ug/L
75-01-4	Vinyl Chloride	19.0		0.83	5.00	ug/L
74-83-9	Bromomethane	20.9		0.80	5.00	ug/L
75-00-3	Chloroethane	19.0		2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	20.2		0.80	5.00	ug/L
75-35-4	1,1-Dichloroethene	19.8		0.76	5.00	ug/L
107-02-8	Acrolein	130		6.60	25.0	ug/L
107-13-1	Acrylonitrile	110		2.80	25.0	ug/L
75-09-2	Methylene Chloride	21.2		0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.7		0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.68	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.74	5.00	ug/L
67-66-3	Chloroform	20.2		0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.63	5.00	ug/L
71-43-2	Benzene	19.8		0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	19.4		0.50	5.00	ug/L
79-01-6	Trichloroethene	19.5		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.5		0.46	5.00	ug/L
75-27-4	Bromodichloromethane	19.6		0.64	5.00	ug/L
108-88-3	Toluene	19.4		0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.7		0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.2		0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.2		0.45	5.00	ug/L
110-75-8	2-Chloroethyl vinyl ether	91.8		4.60	25.0	ug/L
124-48-1	Dibromochloromethane	19.7		0.66	5.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.84	5.00	ug/L
108-90-7	Chlorobenzene	20.2		0.47	5.00	ug/L
100-41-4	Ethyl Benzene	19.0		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	38.9		1.30	10.0	ug/L
95-47-6	o-Xylene	19.4		0.67	5.00	ug/L

Raw Data: **VN086662.D**

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

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VN0516WBS01		SDG No.:	Q2006	
Lab Sample ID:	VN0516WBS01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-PP	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086662.D	1		05/16/25 12:13	VN051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	19.7		0.94	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	22.2		0.44	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.4		0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.2		0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.1		91 - 110	97%	SPK: 30
2037-26-5	Toluene-d8	29.3		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.2		63 - 112	97%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	28800	7.812			
540-36-3	1,4-Difluorobenzene	173000	9.1			
3114-55-4	Chlorobenzene-d5	162000	11.865			

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\VN051625\
Data File : VN086662.D
Acq On : 16 May 2025 12:13
Operator : JC\MD
Sample : VN0516WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 23:01:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0516WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone
05/19/2025

Supervised By :Mahesh Dadoda
05/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.812	128	28843	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	173361	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	161573	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	80840	29.070	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 96.900%			
60) 4-Bromofluorobenzene	12.847	95	92594	29.158	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.200%			
63) Toluene-d8	10.565	98	260836	29.344	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	39294	19.733	ug/l	99
3) Chloromethane	2.359	50	55396	19.584	ug/l	95
4) Vinyl Chloride	2.512	62	51371	18.962	ug/l	97
5) Bromomethane	2.959	94	29610	20.935	ug/l	100
6) Chloroethane	3.124	64	34282	18.981	ug/l	98
7) Trichlorofluoromethane	3.495	101	64570	20.192	ug/l	95
8) Diethyl Ether	3.959	74	27158	20.120	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	41828	21.276	ug/l	97
10) 1,1-Dichloroethene	4.336	96	39916	19.837	ug/l	94
11) Methyl Iodide	4.589	142	43977	18.679	ug/l	95
12) Methyl Acetate	5.018	43	61425	21.537	ug/l	98
13) Acrolein	4.183	56	16736	128.356	ug/l	98
14) Acrylonitrile	5.718	53	114051	107.446	ug/l	99
15) Acetone	4.424	58	33011	112.861	ug/l	90
16) Carbon Disulfide	4.712	76	99695	18.803	ug/l	99
17) Allyl chloride	5.018	41	61644	19.159	ug/l	94
18) Methylene Chloride	5.271	84	48480	21.157	ug/l	92
19) trans-1,2-Dichloroethene	5.783	96	42271	19.709	ug/l	96
20) Diisopropyl ether	6.665	45	146820	19.192	ug/l	97
21) 1,1-Dichloroethane	6.559	63	83825	20.018	ug/l	96
22) cis-1,2-Dichloroethene	7.483	96	54014	20.141	ug/l	94
23) tert-Butyl Alcohol	5.512	59	45044	109.543	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	145424	19.561	ug/l	97
25) Chloroform	7.959	83	85427	20.157	ug/l	100
26) Cyclohexane	8.253	56	66905	18.095	ug/l #	99
29) 1,1-Dichloropropene	8.371	75	58978	19.298	ug/l	99
30) 2-Butanone	7.483	43	153279	103.330	ug/l	98
31) 2,2-Dichloropropane	7.483	77	74507	18.965	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	70793	19.384	ug/l	99
33) Carbon Tetrachloride	8.359	117	59126	19.666	ug/l	99
34) Benzene	8.606	78	192237	19.776	ug/l	97
35) Methacrylonitrile	7.777	41	33809	19.980	ug/l	95
36) 1,2-Dichloroethane	8.671	62	61281	19.417	ug/l	98
37) Trichloroethene	9.347	130	47348	19.457	ug/l	89
38) Methylcyclohexane	9.600	83	63786	18.071	ug/l	98
39) 1,2-Dichloropropane	9.618	63	46861	19.514	ug/l	95
40) Dibromomethane	9.706	93	32015	19.935	ug/l	96
41) Bromodichloromethane	9.888	83	66468	19.558	ug/l	98
42) Vinyl Acetate	6.600	43	510422	99.330	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086662.D
Acq On : 16 May 2025 12:13
Operator : JC\MD
Sample : VN0516WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 16 23:01:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0516WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone
05/19/2025

Supervised By :Mahesh Dadoda
05/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	59059	20.118	ug/l	98
44) Isopropyl Acetate	8.683	43	111631	20.036	ug/l	99
45) 1,4-Dioxane	9.694	88	19278	443.473	ug/l	98
46) Methyl methacrylate	9.677	41	47887	18.633	ug/l	96
47) n-amyl Acetate	12.488	43	89086	18.760	ug/l	96
48) t-1,3-Dichloropropene	10.835	75	71065	18.704	ug/l	100
49) cis-1,3-Dichloropropene	10.306	75	76890	19.190	ug/l	93
50) 1,1,2-Trichloroethane	11.012	97	45343	20.214	ug/l	96
51) Ethyl methacrylate	10.871	69	75294	19.273	ug/l	96
52) 1,3-Dichloropropane	11.159	76	78396	19.774	ug/l	100
53) Dibromochloromethane	11.353	129	49653	19.713	ug/l	99
54) 1,2-Dibromoethane	11.465	107	45530	19.963	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	168644	91.816	ug/l	98
56) Bromoform	12.576	173	32175	19.685	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	308400	98.635	ug/l	99
59) 2-Hexanone	11.194	43	228594	99.211	ug/l	97
61) Tetrachloroethene	11.100	164	48744	19.780	ug/l	95
62) Toluene	10.629	91	209642	19.384	ug/l	98
64) Chlorobenzene	11.888	112	136239	20.217	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	44749	19.860	ug/l	98
66) Ethyl Benzene	11.959	91	230693	18.950	ug/l	100
67) m/p-Xylenes	12.065	106	179510	38.864	ug/l	99
68) o-Xylene	12.394	106	87840	19.423	ug/l	98
69) Styrene	12.406	104	148251	19.340	ug/l	99
70) Isopropylbenzene	12.694	105	215439	19.083	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	66109	22.240	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	52916m	20.418	ug/l	
73) Bromobenzene	12.976	156	52329	20.162	ug/l	97
74) n-propylbenzene	13.029	91	252145	18.795	ug/l	98
75) 2-Chlorotoluene	13.123	91	160479	19.163	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	175405	18.936	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	23586	17.933	ug/l	93
78) 4-Chlorotoluene	13.218	91	161917	19.337	ug/l	99
79) tert-butylbenzene	13.435	119	152013	19.161	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	176072	18.612	ug/l	97
81) sec-Butylbenzene	13.612	105	214213	18.916	ug/l	98
82) p-Isopropyltoluene	13.729	119	173538	18.313	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	95368	19.438	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	92905	19.166	ug/l	100
85) n-Butylbenzene	14.053	91	150093	17.751	ug/l	98
86) Hexachloroethane	14.329	117	28348	18.295	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	92219	19.754	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.712	75	11166	18.480	ug/l	94
89) 1,2,4-Trichlorobenzene	15.835	180	39465	18.548	ug/l	99
90) Hexachlorobutadiene	15.500	225	16886	19.703	ug/l	96
91) Naphthalene	15.635	128	134393	17.643	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	39465	18.548	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086662.D
Acq On : 16 May 2025 12:13
Operator : JC\MD
Sample : VN0516WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

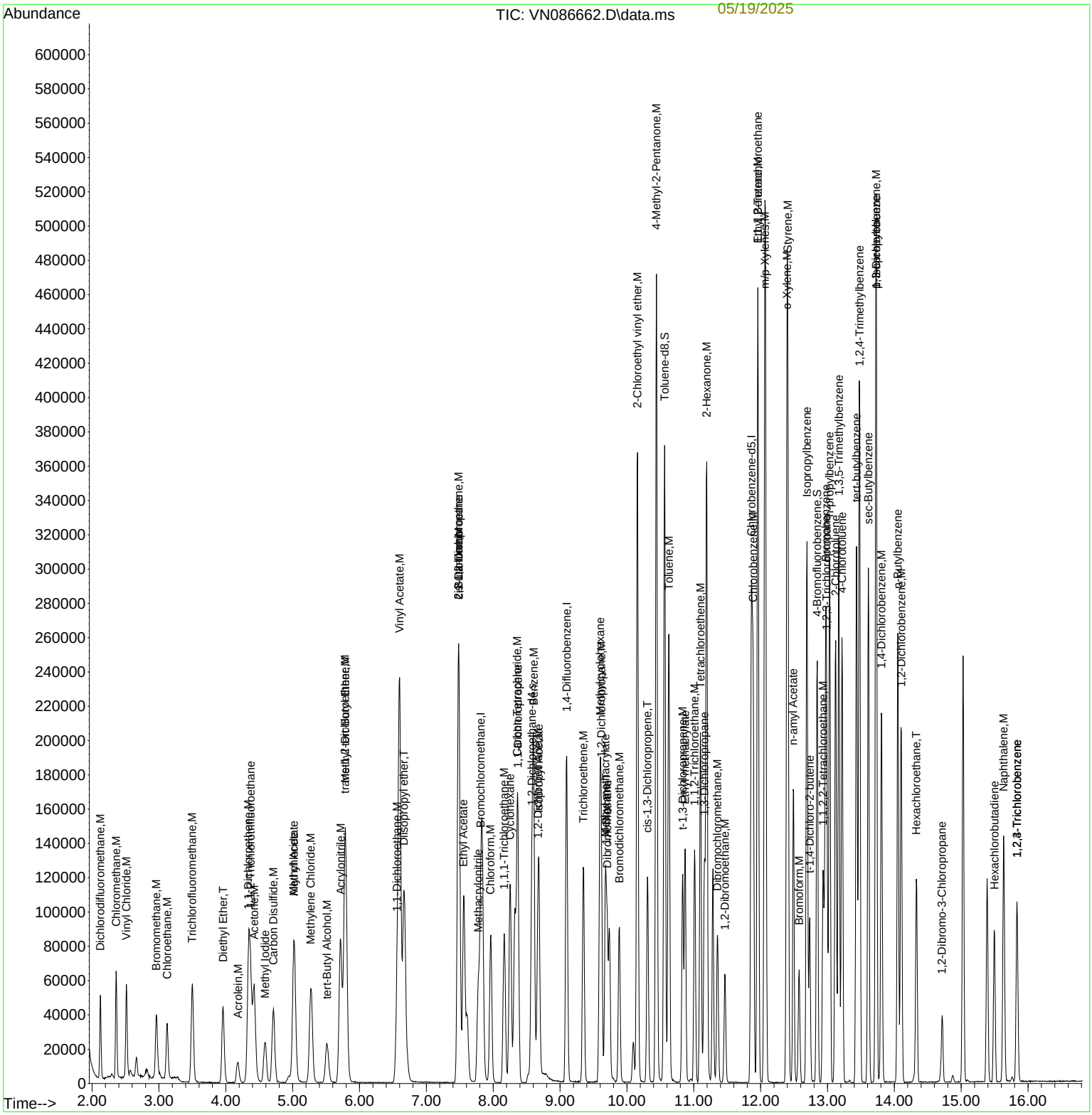
Quant Time: May 16 23:01:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0516WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone
05/19/2025

Supervised By :Mahesh Dadoda
05/19/2025



Raw Data: **VN086663.D**

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

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	
Project:	PVSC Monthly 2025	Date Received:	
Client Sample ID:	VN0516WBSD01	SDG No.:	Q2006
Lab Sample ID:	VN0516WBSD01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-PP
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086663.D	1		05/16/25 12:46	VN051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	18.4		0.64	5.00	ug/L
75-01-4	Vinyl Chloride	17.7		0.83	5.00	ug/L
74-83-9	Bromomethane	20.4		0.80	5.00	ug/L
75-00-3	Chloroethane	18.2		2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.80	5.00	ug/L
75-35-4	1,1-Dichloroethene	19.6		0.76	5.00	ug/L
107-02-8	Acrolein	130		6.60	25.0	ug/L
107-13-1	Acrylonitrile	110		2.80	25.0	ug/L
75-09-2	Methylene Chloride	20.4		0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.1		0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.4		0.68	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.74	5.00	ug/L
67-66-3	Chloroform	19.8		0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.8		0.63	5.00	ug/L
71-43-2	Benzene	20.1		0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.4		0.50	5.00	ug/L
79-01-6	Trichloroethene	19.6		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.9		0.46	5.00	ug/L
75-27-4	Bromodichloromethane	20.2		0.64	5.00	ug/L
108-88-3	Toluene	19.7		0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.2		0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.3		0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.1		0.45	5.00	ug/L
110-75-8	2-Chloroethyl vinyl ether	93.8		4.60	25.0	ug/L
124-48-1	Dibromochloromethane	20.1		0.66	5.00	ug/L
127-18-4	Tetrachloroethene	19.9		0.84	5.00	ug/L
108-90-7	Chlorobenzene	20.1		0.47	5.00	ug/L
100-41-4	Ethyl Benzene	19.2		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	38.8		1.30	10.0	ug/L
95-47-6	o-Xylene	19.5		0.67	5.00	ug/L

Raw Data: **VN086663.D**

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

Report of Analysis

Client:	Ardmore Chemical		Date Collected:		
Project:	PVSC Monthly 2025		Date Received:		
Client Sample ID:	VN0516WBSD01		SDG No.:	Q2006	
Lab Sample ID:	VN0516WBSD01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	VOC-PP	
GC Column:	RXI-624 ID : 0.25		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086663.D	1		05/16/25 12:46	VN051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	20.2		0.94	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	22.9		0.44	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.2		0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.2		91 - 110	97%	SPK: 30
2037-26-5	Toluene-d8	29.5		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.9		63 - 112	96%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	28900	7.806			
540-36-3	1,4-Difluorobenzene	168000	9.1			
3114-55-4	Chlorobenzene-d5	156000	11.865			

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\VN051625\
Data File : VN086663.D
Acq On : 16 May 2025 12:46
Operator : JC\MD
Sample : VN0516WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 16 23:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0516WBSD01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.806	128	28926	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	168023	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	156348	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	81302	29.153	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.167%			
60) 4-Bromofluorobenzene	12.847	95	88889	28.927	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.433%			
63) Toluene-d8	10.565	98	254023	29.533	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.433%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	38036	19.046	ug/l	94
3) Chloromethane	2.360	50	52153	18.385	ug/l	100
4) Vinyl Chloride	2.512	62	48184	17.735	ug/l	95
5) Bromomethane	2.959	94	28936	20.399	ug/l	95
6) Chloroethane	3.124	64	32947	18.190	ug/l	93
7) Trichlorofluoromethane	3.495	101	62450	19.473	ug/l	97
8) Diethyl Ether	3.959	74	27019	19.959	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	38445	19.500	ug/l	97
10) 1,1-Dichloroethene	4.336	96	39596	19.622	ug/l	93
11) Methyl Iodide	4.589	142	43465	18.409	ug/l	98
12) Methyl Acetate	5.024	43	63075	22.052	ug/l	96
13) Acrolein	4.177	56	16854	129.050	ug/l	100
14) Acrylonitrile	5.712	53	115846	108.824	ug/l	99
15) Acetone	4.424	58	30442	103.779	ug/l	77
16) Carbon Disulfide	4.712	76	95385	17.938	ug/l	98
17) Allyl chloride	5.024	41	60932	18.884	ug/l	94
18) Methylene Chloride	5.277	84	46968	20.438	ug/l	96
19) trans-1,2-Dichloroethene	5.789	96	41117	19.116	ug/l	96
20) Diisopropyl ether	6.671	45	145988	19.029	ug/l	96
21) 1,1-Dichloroethane	6.565	63	81445	19.394	ug/l	96
22) cis-1,2-Dichloroethene	7.483	96	52993	19.704	ug/l	94
23) tert-Butyl Alcohol	5.512	59	46769	113.412	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	147932	19.841	ug/l	97
25) Chloroform	7.965	83	84035	19.772	ug/l	94
26) Cyclohexane	8.253	56	64146	17.299	ug/l #	98
29) 1,1-Dichloropropene	8.371	75	56468	19.063	ug/l	100
30) 2-Butanone	7.483	43	152288	105.923	ug/l	98
31) 2,2-Dichloropropane	7.489	77	71297	18.724	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	69934	19.757	ug/l	98
33) Carbon Tetrachloride	8.359	117	57211	19.634	ug/l	97
34) Benzene	8.600	78	189486	20.112	ug/l	96
35) Methacrylonitrile	7.771	41	35450	21.615	ug/l	99
36) 1,2-Dichloroethane	8.665	62	62391	20.397	ug/l	98
37) Trichloroethene	9.347	130	46337	19.646	ug/l	92
38) Methylcyclohexane	9.600	83	61208	17.892	ug/l	99
39) 1,2-Dichloropropane	9.618	63	46373	19.924	ug/l	93
40) Dibromomethane	9.706	93	32378	20.802	ug/l	97
41) Bromodichloromethane	9.888	83	66477	20.182	ug/l	96
42) Vinyl Acetate	6.600	43	501487	100.692	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086663.D
Acq On : 16 May 2025 12:46
Operator : JC\MD
Sample : VN0516WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 16 23:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0516WBSD01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Ethyl Acetate	7.559	43	57430	20.185 ug/l		96
44) Isopropyl Acetate	8.689	43	110043	20.378 ug/l		100
45) 1,4-Dioxane	9.694	88	20269	481.083 ug/l		97
46) Methyl methacrylate	9.677	41	48285	19.385 ug/l		94
47) n-amyl Acetate	12.494	43	89706	19.491 ug/l		97
48) t-1,3-Dichloropropene	10.835	75	70769	19.218 ug/l		97
49) cis-1,3-Dichloropropene	10.312	75	74796	19.261 ug/l		91
50) 1,1,2-Trichloroethane	11.018	97	45950	21.135 ug/l		97
51) Ethyl methacrylate	10.871	69	74477	19.669 ug/l		95
52) 1,3-Dichloropropane	11.159	76	78765	20.499 ug/l		99
53) Dibromochloromethane	11.353	129	49021	20.080 ug/l		99
54) 1,2-Dibromoethane	11.465	107	45566	20.613 ug/l		100
55) 2-Chloroethyl vinyl ether	10.159	63	167035	93.829 ug/l		99
56) Bromoform	12.577	173	31950	20.168 ug/l	#	99
58) 4-Methyl-2-Pentanone	10.441	43	315116	104.151 ug/l		99
59) 2-Hexanone	11.194	43	232893	104.454 ug/l		98
61) Tetrachloroethene	11.100	164	47402	19.878 ug/l		94
62) Toluene	10.630	91	206502	19.732 ug/l		99
64) Chlorobenzene	11.888	112	131310	20.137 ug/l		97
65) 1,1,1,2-Tetrachloroethane	11.959	131	44211	20.277 ug/l		100
66) Ethyl Benzene	11.959	91	226147	19.198 ug/l		99
67) m/p-Xylenes	12.065	106	173274	38.767 ug/l		99
68) o-Xylene	12.394	106	85228	19.475 ug/l		96
69) Styrene	12.406	104	143664	19.368 ug/l		100
70) Isopropylbenzene	12.694	105	207805	19.022 ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.935	83	65762	22.862 ug/l		99
72) 1,2,3-Trichloropropane	12.988	75	53982m	21.526 ug/l		
73) Bromobenzene	12.976	156	51411	20.470 ug/l		97
74) n-propylbenzene	13.029	91	241796	18.626 ug/l		99
75) 2-Chlorotoluene	13.124	91	156263	19.283 ug/l		99
76) 1,3,5-Trimethylbenzene	13.171	105	166994	18.630 ug/l		99
77) t-1,4-Dichloro-2-butene	12.735	75	23291	18.300 ug/l		98
78) 4-Chlorotoluene	13.218	91	155443	19.184 ug/l		100
79) tert-butylbenzene	13.435	119	143723	18.722 ug/l		98
80) 1,2,4-Trimethylbenzene	13.476	105	172040	18.793 ug/l		98
81) sec-Butylbenzene	13.612	105	200667	18.312 ug/l		98
82) p-Isopropyltoluene	13.724	119	167166	18.231 ug/l		100
83) 1,3-Dichlorobenzene	13.729	146	91169	19.203 ug/l		99
84) 1,4-Dichlorobenzene	13.806	146	90263	19.243 ug/l		100
85) n-Butylbenzene	14.053	91	140656	17.191 ug/l		99
86) Hexachloroethane	14.329	117	27359	18.247 ug/l		99
87) 1,2-Dichlorobenzene	14.100	146	90456	20.024 ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.718	75	11214	19.180 ug/l		96
89) 1,2,4-Trichlorobenzene	15.835	180	38535	18.716 ug/l		97
90) Hexachlorobutadiene	15.500	225	16749	20.196 ug/l		98
91) Naphthalene	15.635	128	136046	18.457 ug/l		99
92) 1,2,3-Trichlorobenzene	15.835	180	38535	18.716 ug/l		97

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051625\
Data File : VN086663.D
Acq On : 16 May 2025 12:46
Operator : JC\MD
Sample : VN0516WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 16 23:02:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0516WBSD01

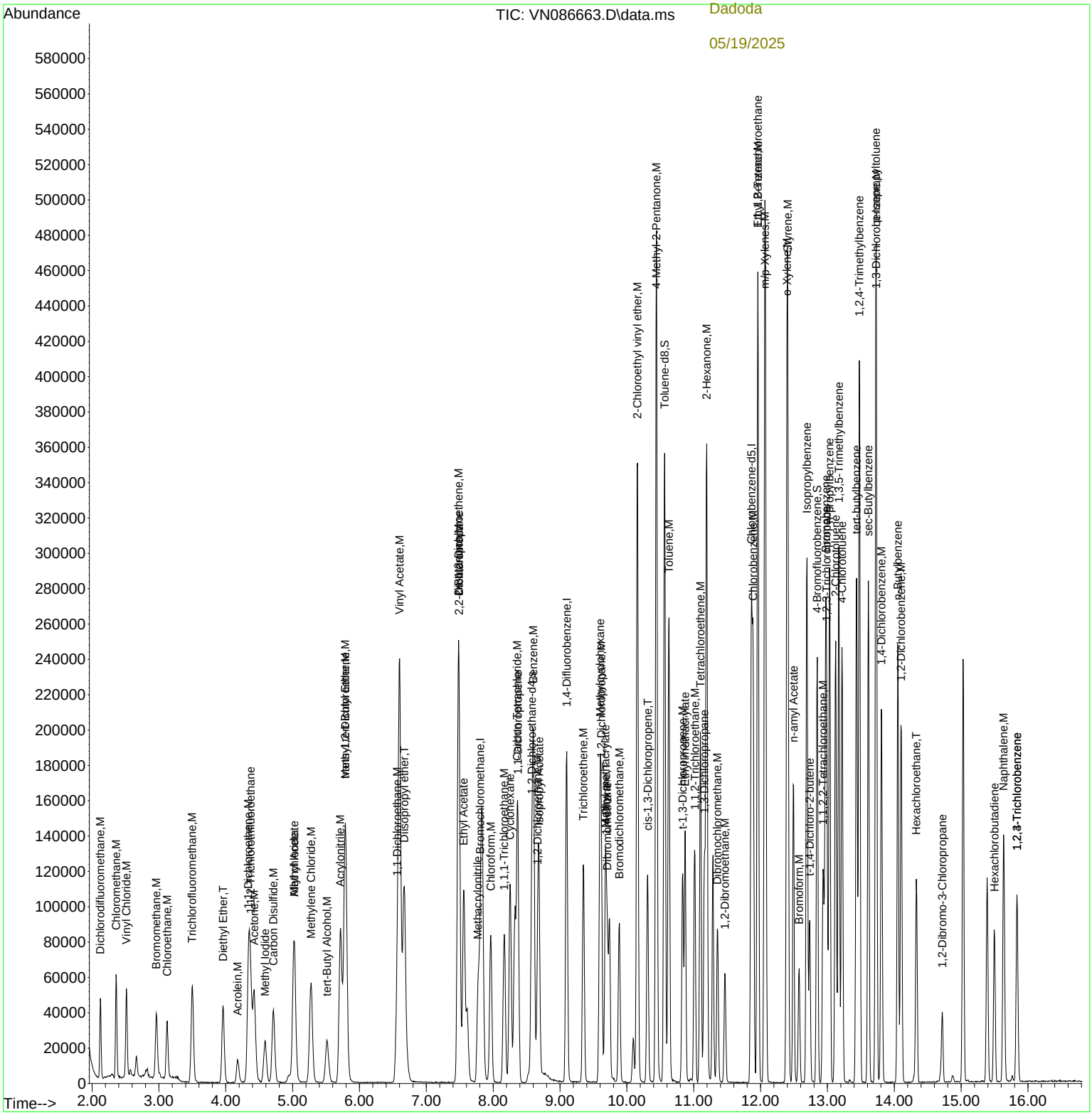
Manual Integrations APPROVED

Reviewed By :John Carlone

05/19/2025

Supervised By :Mahesh Dadoda

05/19/2025



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

Manual Integration Report

Sequence:	VN042325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN086372.D	1,2,3-Trichloropropane	JOHN	4/24/2025 9:34:57 AM	MMDadoda	4/25/2025 12:52:55 AM	Peak Integrated by Software
VSTDICC005	VN086372.D	Allyl chloride	JOHN	4/24/2025 9:34:57 AM	MMDadoda	4/25/2025 12:52:55 AM	Peak Integrated by Software
VSTDICC005	VN086372.D	Methylene Chloride	JOHN	4/24/2025 9:34:57 AM	MMDadoda	4/25/2025 12:52:55 AM	Peak Integrated by Software
VSTDICC005	VN086372.D	tert-Butyl Alcohol	JOHN	4/24/2025 9:34:57 AM	MMDadoda	4/25/2025 12:52:55 AM	Peak Integrated by Software
VSTDICC005	VN086372.D	trans-1,2-Dichloroethene	JOHN	4/24/2025 9:34:57 AM	MMDadoda	4/25/2025 12:52:55 AM	Peak Integrated by Software
VSTDICCC020	VN086373.D	1,2,3-Trichloropropane	JOHN	4/24/2025 9:35:01 AM	MMDadoda	4/25/2025 12:52:56 AM	Peak Integrated by Software
VSTDICCC020	VN086373.D	Acrolein	JOHN	4/24/2025 9:35:01 AM	MMDadoda	4/25/2025 12:52:56 AM	Peak Integrated by Software
VSTDICC150	VN086378.D	1,2,3-Trichloropropane	JOHN	4/24/2025 9:35:19 AM	MMDadoda	4/25/2025 12:53:04 AM	Peak Integrated by Software
VSTDICC100	VN086379.D	1,2,3-Trichloropropane	JOHN	4/24/2025 9:35:23 AM	MMDadoda	4/25/2025 12:53:06 AM	Peak Integrated by Software
VSTDICC050	VN086380.D	1,2,3-Trichloropropane	JOHN	4/24/2025 9:35:27 AM	MMDadoda	4/25/2025 12:53:08 AM	Peak Integrated by Software
VSTDICC050	VN086380.D	tert-Butyl Alcohol	JOHN	4/24/2025 9:35:27 AM	MMDadoda	4/25/2025 12:53:08 AM	Peak Integrated by Software
VSTDICV020	VN086381.D	1,2,3-Trichloropropane	JOHN	4/24/2025 9:35:32 AM	MMDadoda	4/25/2025 12:53:10 AM	Peak Integrated by Software
VSTDCCC020	VN086390.D	1,2,3-Trichloropropane	JOHN	4/24/2025 9:36:05 AM	MMDadoda	4/25/2025 12:53:19 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN042325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN086390.D	Acrolein	JOHN	4/24/2025 9:36:05 AM	MMDadoda	4/25/2025 12:53:19 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn051625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN086661.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:32:47 AM	MMDadoda	5/19/2025 2:39:59 PM	Peak Integrated by Software
VN0516WBS01	VN086662.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:32:51 AM	MMDadoda	5/19/2025 2:40:02 PM	Peak Integrated by Software
VN0516WBSD01	VN086663.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:32:56 AM	MMDadoda	5/19/2025 2:40:04 PM	Peak Integrated by Software
VSTDCCC020	VN086667.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:01 AM	MMDadoda	5/19/2025 2:40:37 PM	Peak Integrated by Software
VSTDICC001	VN086669.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:07 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICC001	VN086669.D	1,4-Dichlorobenzene	JOHN	5/19/2025 9:33:07 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICC001	VN086669.D	Isopropyl Acetate	JOHN	5/19/2025 9:33:07 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICC005	VN086670.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:13 AM	MMDadoda	5/19/2025 2:40:36 PM	Peak Integrated by Software
VSTDICC005	VN086670.D	Ethyl Acetate	JOHN	5/19/2025 9:33:13 AM	MMDadoda	5/19/2025 2:40:36 PM	Peak Integrated by Software
VSTDICC005	VN086670.D	Vinyl Acetate	JOHN	5/19/2025 9:33:13 AM	MMDadoda	5/19/2025 2:40:36 PM	Peak Integrated by Software
VSTDICC010	VN086671.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:17 AM	MMDadoda	5/19/2025 2:40:45 PM	Peak Integrated by Software
VSTDICC010	VN086671.D	Vinyl Acetate	JOHN	5/19/2025 9:33:17 AM	MMDadoda	5/19/2025 2:40:45 PM	Peak Integrated by Software
VSTDICC020	VN086672.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:24 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn051625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC050	VN086673.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:44 AM	MMDadoda	5/19/2025 2:40:38 PM	Peak Integrated by Software
VSTDICC100	VN086674.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:48 AM	MMDadoda	5/19/2025 2:40:42 PM	Peak Integrated by Software
VSTDICV050	VN086676.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:53 AM	MMDadoda	5/19/2025 2:40:47 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN042325

Review By	John Carlone	Review On	4/24/2025 9:37:02 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/25/2025 12:53:28 AM		
SubDirectory	VN042325	HP Acquire Method		HP Processing Method	624N042325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133732
Initial Calibration Stds	VP133733,VP133734,VP133735,VP133736,VP133737
CCC	VP133739,VP133740,VP133741
Internal Standard/PEM	
ICV/I.BLK	VP133738
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086371.D	23 Apr 2025 08:43	JC\MD	Ok
2	VSTDICC005	VN086372.D	23 Apr 2025 09:22	JC\MD	Ok,M
3	VSTDICCC020	VN086373.D	23 Apr 2025 09:45	JC\MD	Ok,M
4	VSTDICC020	VN086374.D	23 Apr 2025 10:09	JC\MD	Not Ok
5	VSTDICC050	VN086375.D	23 Apr 2025 10:33	JC\MD	Not Ok
6	VSTDICC100	VN086376.D	23 Apr 2025 10:57	JC\MD	Not Ok
7	IBLK	VN086377.D	23 Apr 2025 11:21	JC\MD	Ok
8	VSTDICC150	VN086378.D	23 Apr 2025 11:53	JC\MD	Ok,M
9	VSTDICC100	VN086379.D	23 Apr 2025 12:37	JC\MD	Ok,M
10	VSTDICC050	VN086380.D	23 Apr 2025 13:17	JC\MD	Ok,M
11	VSTDICV020	VN086381.D	23 Apr 2025 13:53	JC\MD	Ok,M
12	VN0423WBS01	VN086382.D	23 Apr 2025 15:02	JC\MD	Ok,M
13	VN0423WBSD01	VN086383.D	23 Apr 2025 15:36	JC\MD	Ok,M
14	VN0423WBL01	VN086384.D	23 Apr 2025 16:00	JC\MD	Ok
15	Q1833-01	VN086385.D	23 Apr 2025 16:24	JC\MD	Ok
16	IBLK	VN086386.D	23 Apr 2025 16:48	JC\MD	Ok
17	IBLK	VN086387.D	23 Apr 2025 17:12	JC\MD	Ok
18	Q1168-07 2.5PPB	VN086388.D	23 Apr 2025 17:37	JC\MD	Ok,M
19	Q1168-08 5.0PPB	VN086389.D	23 Apr 2025 18:01	JC\MD	Ok,M
20	VSTDCCC020	VN086390.D	23 Apr 2025 18:25	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN051625

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

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

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

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN042325

Review By	John Carlone	Review On	4/24/2025 9:37:02 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/25/2025 12:53:28 AM		
SubDirectory	VN042325	HP Acquire Method		HP Processing Method	624N042325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133732
Initial Calibration Stds	VP133733,VP133734,VP133735,VP133736,VP133737
CCC	VP133739,VP133740,VP133741
Internal Standard/PEM	
ICV/I.BLK	VP133738
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086371.D	23 Apr 2025 08:43		JC\MD	Ok
2	VSTDICC005	VSTDICC005	VN086372.D	23 Apr 2025 09:22		JC\MD	Ok,M
3	VSTDICCC020	VSTDICCC020	VN086373.D	23 Apr 2025 09:45		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN086374.D	23 Apr 2025 10:09	Not used	JC\MD	Not Ok
5	VSTDICC050	VSTDICC050	VN086375.D	23 Apr 2025 10:33	Not used	JC\MD	Not Ok
6	VSTDICC100	VSTDICC100	VN086376.D	23 Apr 2025 10:57	Not used	JC\MD	Not Ok
7	IBLK	IBLK	VN086377.D	23 Apr 2025 11:21		JC\MD	Ok
8	VSTDICC150	VSTDICC150	VN086378.D	23 Apr 2025 11:53		JC\MD	Ok,M
9	VSTDICC100	VSTDICC100	VN086379.D	23 Apr 2025 12:37	Comp.#13 is on Linear Regression	JC\MD	Ok,M
10	VSTDICC050	VSTDICC050	VN086380.D	23 Apr 2025 13:17		JC\MD	Ok,M
11	VSTDICV020	ICVVN042325	VN086381.D	23 Apr 2025 13:53		JC\MD	Ok,M
12	VN0423WBS01	VN0423WBS01	VN086382.D	23 Apr 2025 15:02		JC\MD	Ok,M
13	VN0423WBSD01	VN0423WBSD01	VN086383.D	23 Apr 2025 15:36		JC\MD	Ok,M
14	VN0423WBL01	VN0423WBL01	VN086384.D	23 Apr 2025 16:00		JC\MD	Ok
15	Q1833-01	EFF-WASTE-WATER	VN086385.D	23 Apr 2025 16:24	vial B pH<2	JC\MD	Ok
16	IBLK	IBLK	VN086386.D	23 Apr 2025 16:48		JC\MD	Ok
17	IBLK	IBLK	VN086387.D	23 Apr 2025 17:12		JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN042325

Review By	John Carlone	Review On	4/24/2025 9:37:02 AM		
Supervise By	Mahesh Dadoda	Supervise On	4/25/2025 12:53:28 AM		
SubDirectory	VN042325	HP Acquire Method		HP Processing Method	624N042325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133732
Initial Calibration Stds	VP133733,VP133734,VP133735,VP133736,VP133737
CCC	VP133739,VP133740,VP133741
Internal Standard/PEM	
ICV/I.BLK	VP133738
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1168-07 2.5PPB	LOD-MDL-WATER-01-(	VN086388.D	23 Apr 2025 17:37		JC\MD	Ok,M
19	Q1168-08 5.0PPB	LOQ-WATER-02-QT1-2	VN086389.D	23 Apr 2025 18:01		JC\MD	Ok,M
20	VSTDCCC020	VSTDCCC020EC	VN086390.D	23 Apr 2025 18:25		JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN051625

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

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

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

M : Manual Integration

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO.
QUOTE NO. Q20060
COC Number 2041889

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: ARDMORE INC
ADDRESS: 29 RIVERSIDE AVE Bldg # 14
CITY Newark STATE: NJ ZIP: 07405
ATTENTION: MICHAEL SHARPHOOSE
PHONE: 973 481 2406 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:
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): STANDARD DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 VOA/ 2 CN 3 SVOA 4 BOD/TSS 5 METALS 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	EFF WW	WW		X	5/9/25	9:00		X	X								pH 10
2.	EFF WW	WW	X		5/9/25	9:00				X	X	X					pH 1.3
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Albert Sharphoose	5/9/25 1416	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.3 °C
Comments: METALS LEAD ZINC
IR Gun #1

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2006 ARDM01
Client Name : Ardmore Chemical
Client Contact : Michael Sharphouse
Invoice Name : Ardmore Chemical
Invoice Contact : Michael Sharphouse

Order Date : 5/9/2025 2:30:00 PM
Project Name : PVSC Monthly 2025
Receive DateTime : 5/9/2025 2:16:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : NONE
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2006-01	EFF-WW	Water	05/09/2025	09:00					
					VOC-PP		624.1		10 Bus. Days

Relinguished By : [signature]
Date / Time : 5/9/25 1440

Received By : Sam
Date / Time : 05/09/25 14:40 Rg#5

Storage Area : **VOA Refridgerator Room**