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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	Q3700	**OrderDate:**	11/20/2025 4:11:00 PM
Client:	Ardmore Chemical	**Project:**	PVSC Monthly 2025
Contact:	Michael Sharphouse	**Location:**	E11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3700-01	**EFF-WW**	**Water**			**11/20/25**			**11/20/25**
			VOC-PP	624.1			11/25/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3700

Client: Ardmore Chemical

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**EFF-WW**							
Q3700-01	EFF-WW	Water	Acrolein	51.0	JQ	33.1	130	ug/L
Q3700-01	EFF-WW	Water	Chloroform	17.1	J	2.80	25.0	ug/L
			Total Voc :	68.1				
			Total Concentration:	68.1				

QC SUMMARY

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Surrogate Summary

SDG No.: Q3700

Client: Ardmore Chemical

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3700-01	EFF-WW	1,2-Dichloroethane-d4	30	28.4	95		91	110
		Toluene-d8	30	30.0	100		91	112
		4-Bromofluorobenzene	30	24.7	82		63	112
Q3700-02MS	EFF-WWMS	1,2-Dichloroethane-d4	30	29.0	97		91	110
		Toluene-d8	30	30.4	101		91	112
		4-Bromofluorobenzene	30	28.3	94		63	112
Q3700-03MSD	EFF-WWMSD	1,2-Dichloroethane-d4	30	27.8	93		91	110
		Toluene-d8	30	30.9	103		91	112
		4-Bromofluorobenzene	30	28.7	96		63	112
VN1125WBL01	VN1125WBL01	1,2-Dichloroethane-d4	30	28.3	94		91	110
		Toluene-d8	30	29.8	99		91	112
		4-Bromofluorobenzene	30	25.2	84		63	112
VN1125WBS01	VN1125WBS01	1,2-Dichloroethane-d4	30	28.5	95		91	110
		Toluene-d8	30	31.0	103		91	112
		4-Bromofluorobenzene	30	28.5	95		63	112
VN1126WBL01	VN1126WBL01	1,2-Dichloroethane-d4	30	28.7	96		91	110
		Toluene-d8	30	29.1	97		91	112
		4-Bromofluorobenzene	30	24.7	82		63	112
VN1126WBS01	VN1126WBS01	1,2-Dichloroethane-d4	30	28.0	93		91	110
		Toluene-d8	30	30.0	100		91	112
		4-Bromofluorobenzene	30	27.7	92		63	112

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3700 **Analytical Method:** SW624.1

Client: Ardmore Chemical **Datafile :** VN088360.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q3700-02MS		**Client Sample ID : EFF-WWMS**									
Chloromethane	100	0	100	ug/L	100				1	273	
Vinyl Chloride	100	0	98.1	ug/L	98				1	251	
Bromomethane	100	0	84.2	ug/L	84				1	242	
Chloroethane	100	0	95.5	ug/L	96				14	230	
Trichlorofluoromethane	100	0	99.1	ug/L	99				17	181	
1,1-Dichloroethene	100	0	100	ug/L	100				1	234	
Acrolein	500	51.0	870	ug/L	164	*			40	160	
Acrylonitrile	500	0	540	ug/L	108				40	160	
Methylene Chloride	100	0	100	ug/L	100				1	221	
trans-1,2-Dichloroethene	100	0	99.4	ug/L	99				54	156	
1,1-Dichloroethane	100	0	99.6	ug/L	100				59	155	
Carbon Tetrachloride	100	0	99.9	ug/L	100				70	140	
Chloroform	100	17.1	120	ug/L	103				51	138	
1,1,1-Trichloroethane	100	0	100	ug/L	100				52	162	
Benzene	100	0	110	ug/L	110				37	151	
1,2-Dichloroethane	100	0	100	ug/L	100				49	155	
Trichloroethene	100	0	110	ug/L	110				70	157	
1,2-Dichloropropane	100	0	110	ug/L	110				1	210	
Bromodichloromethane	100	0	110	ug/L	110				35	155	
Toluene	100	0	100	ug/L	100				47	150	
t-1,3-Dichloropropene	100	0	100	ug/L	100				17	183	
cis-1,3-Dichloropropene	100	0	100	ug/L	100				1	227	
1,1,2-Trichloroethane	100	0	110	ug/L	110				52	150	
2-Chloroethyl vinyl ether	500	0	0	ug/L	0	*			1	305	
Dibromochloromethane	100	0	110	ug/L	110				53	149	
Tetrachloroethene	100	0	120	ug/L	120				64	148	
Chlorobenzene	100	0	100	ug/L	100				37	160	
Ethyl Benzene	100	0	98.4	ug/L	98				37	162	
m/p-Xylenes	200	0	200	ug/L	100				77	116	
o-Xylene	100	0	100	ug/L	100				83	113	
Bromoform	100	0	100	ug/L	100				45	169	
1,1,2,2-Tetrachloroethane	100	0	100	ug/L	100				46	157	
1,3-Dichlorobenzene	100	0	100	ug/L	100				59	156	
1,4-Dichlorobenzene	100	0	100	ug/L	100				18	190	
1,2-Dichlorobenzene	100	0	98.9	ug/L	99				18	190	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3700 **Analytical Method:** SW624.1

Client: Ardmore Chemical **Datafile :** VN088367.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q3700-03MSD		**Client Sample ID : EFF-WWMSD**									
Chloromethane	100	0	100	ug/L	100		0		1	273	20
Vinyl Chloride	100	0	100	ug/L	100		2		1	251	20
Bromomethane	100	0	87.3	ug/L	87		4		1	242	20
Chloroethane	100	0	100	ug/L	100		5		14	230	20
Trichlorofluoromethane	100	0	110	ug/L	110		10		17	181	20
1,1-Dichloroethene	100	0	110	ug/L	110		10		1	234	20
Acrolein	500	51.0	730	ug/L	136		19		40	160	20
Acrylonitrile	500	0	520	ug/L	104		4		40	160	20
Methylene Chloride	100	0	98.3	ug/L	98		2		1	221	20
trans-1,2-Dichloroethene	100	0	96.4	ug/L	96		3		54	156	20
1,1-Dichloroethane	100	0	100	ug/L	100		0		59	155	20
Carbon Tetrachloride	100	0	110	ug/L	110		10		70	140	20
Chloroform	100	17.1	120	ug/L	103		0		51	138	20
1,1,1-Trichloroethane	100	0	110	ug/L	110		10		52	162	20
Benzene	100	0	110	ug/L	110		0		37	151	20
1,2-Dichloroethane	100	0	99.8	ug/L	100		0		49	155	20
Trichloroethene	100	0	110	ug/L	110		0		70	157	20
1,2-Dichloropropane	100	0	110	ug/L	110		0		1	210	20
Bromodichloromethane	100	0	110	ug/L	110		0		35	155	20
Toluene	100	0	110	ug/L	110		10		47	150	20
t-1,3-Dichloropropene	100	0	97.7	ug/L	98		2		17	183	20
cis-1,3-Dichloropropene	100	0	99.8	ug/L	100		0		1	227	20
1,1,2-Trichloroethane	100	0	100	ug/L	100		10		52	150	20
2-Chloroethyl vinyl ether	500	0	140	ug/L	28		200	*	1	305	20
Dibromochloromethane	100	0	110	ug/L	110		0		53	149	20
Tetrachloroethene	100	0	130	ug/L	130		8		64	148	20
Chlorobenzene	100	0	100	ug/L	100		0		37	160	20
Ethyl Benzene	100	0	100	ug/L	100		2		37	162	20
m/p-Xylenes	200	0	210	ug/L	105		5		77	116	20
o-Xylene	100	0	100	ug/L	100		0		83	113	20
Bromoform	100	0	99.6	ug/L	100		0		45	169	20
1,1,2,2-Tetrachloroethane	100	0	99.9	ug/L	100		0		46	157	20
1,3-Dichlorobenzene	100	0	110	ug/L	110		10		59	156	20
1,4-Dichlorobenzene	100	0	100	ug/L	100		0		18	190	20
1,2-Dichlorobenzene	100	0	100	ug/L	100		1		18	190	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3700 **Analytical Method:** SW624.1

Client: Ardmore Chemical **Datafile :** VN088354.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1125WBS01	Chloromethane	20	19.5	ug/L	98			1	205	
	Vinyl Chloride	20	18.4	ug/L	92			5	195	
	Bromomethane	20	17.3	ug/L	86			15	185	
	Chloroethane	20	18.8	ug/L	94			40	160	
	Trichlorofluoromethane	20	18.6	ug/L	93			50	150	
	1,1-Dichloroethene	20	18.7	ug/L	94			50	150	
	Acrolein	100	160	ug/L	160		*	60	140	
	Acrylonitrile	100	98.5	ug/L	99			60	140	
	Methylene Chloride	20	19.0	ug/L	95			60	140	
	trans-1,2-Dichloroethene	20	18.4	ug/L	92			70	130	
	1,1-Dichloroethane	20	18.4	ug/L	92			70	130	
	Carbon Tetrachloride	20	20.2	ug/L	101			70	130	
	Chloroform	20	19.2	ug/L	96			70	135	
	1,1,1-Trichloroethane	20	20.6	ug/L	103			70	130	
	Benzene	20	20.3	ug/L	102			65	135	
	1,2-Dichloroethane	20	20.4	ug/L	102			70	130	
	Trichloroethene	20	21.0	ug/L	105			65	135	
	1,2-Dichloropropane	20	21.0	ug/L	105			35	165	
	Bromodichloromethane	20	20.8	ug/L	104			65	135	
	Toluene	20	20.8	ug/L	104			70	130	
	t-1,3-Dichloropropene	20	19.2	ug/L	96			50	150	
	cis-1,3-Dichloropropene	20	20.6	ug/L	103			25	175	
	1,1,2-Trichloroethane	20	20.8	ug/L	104			70	130	
	2-Chloroethyl vinyl ether	100	100	ug/L	100			1	225	
	Dibromochloromethane	20	20.7	ug/L	104			70	135	
	Tetrachloroethene	20	25.9	ug/L	130			70	130	
	Chlorobenzene	20	20.5	ug/L	103			65	135	
	Ethyl Benzene	20	20.1	ug/L	101			60	140	
	m/p-Xylenes	40	40.1	ug/L	100			87	111	
	o-Xylene	20	20.0	ug/L	100			87	111	
	Bromoform	20	20.3	ug/L	102			70	130	
	1,1,2,2-Tetrachloroethane	20	19.8	ug/L	99			60	140	
	1,3-Dichlorobenzene	20	19.4	ug/L	97			70	130	
	1,4-Dichlorobenzene	20	20.0	ug/L	100			65	135	
	1,2-Dichlorobenzene	20	19.9	ug/L	100			65	135	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3700 **Analytical Method:** SW624.1

Client: Ardmore Chemical **Datafile :** VN088363.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1126WBS01	Chloromethane	20	19.1	ug/L	96			1	205	
	Vinyl Chloride	20	19.2	ug/L	96			5	195	
	Bromomethane	20	16.8	ug/L	84			15	185	
	Chloroethane	20	19.1	ug/L	96			40	160	
	Trichlorofluoromethane	20	19.7	ug/L	99			50	150	
	1,1-Dichloroethene	20	19.8	ug/L	99			50	150	
	Acrolein	100	150	ug/L	150		*	60	140	
	Acrylonitrile	100	93.2	ug/L	93			60	140	
	Methylene Chloride	20	18.4	ug/L	92			60	140	
	trans-1,2-Dichloroethene	20	18.7	ug/L	94			70	130	
	1,1-Dichloroethane	20	19.0	ug/L	95			70	130	
	Carbon Tetrachloride	20	18.8	ug/L	94			70	130	
	Chloroform	20	18.8	ug/L	94			70	135	
	1,1,1-Trichloroethane	20	19.9	ug/L	100			70	130	
	Benzene	20	19.7	ug/L	99			65	135	
	1,2-Dichloroethane	20	18.4	ug/L	92			70	130	
	Trichloroethene	20	20.6	ug/L	103			65	135	
	1,2-Dichloropropane	20	19.4	ug/L	97			35	165	
	Bromodichloromethane	20	19.0	ug/L	95			65	135	
	Toluene	20	19.6	ug/L	98			70	130	
	t-1,3-Dichloropropene	20	18.0	ug/L	90			50	150	
	cis-1,3-Dichloropropene	20	19.0	ug/L	95			25	175	
	1,1,2-Trichloroethane	20	19.4	ug/L	97			70	130	
	2-Chloroethyl vinyl ether	100	95.1	ug/L	95			1	225	
	Dibromochloromethane	20	19.1	ug/L	96			70	135	
	Tetrachloroethene	20	23.9	ug/L	119			70	130	
	Chlorobenzene	20	19.1	ug/L	96			65	135	
	Ethyl Benzene	20	18.8	ug/L	94			60	140	
	m/p-Xylenes	40	38.2	ug/L	96			87	111	
	o-Xylene	20	18.8	ug/L	94			87	111	
	Bromoform	20	18.5	ug/L	93			70	130	
	1,1,2,2-Tetrachloroethane	20	17.4	ug/L	87			60	140	
	1,3-Dichlorobenzene	20	18.7	ug/L	94			70	130	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			65	135	
	1,2-Dichlorobenzene	20	18.2	ug/L	91			65	135	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN1125WBL01

Lab Name: Alliance | Contract: ARDM01

Lab Code: ACE | SDG NO.: Q3700

Lab File ID: VN088356.D | Lab Sample ID: VN1125WBL01

Date Analyzed: 11/25/2025 | Time Analyzed: 12:31

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1125WBS01	VN1125WBS01	VN088354.D	11/25/2025
EFF-WW	Q3700-01	VN088359.D	11/25/2025
EFF-WWMS	Q3700-02MS	VN088360.D	11/25/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN1126WBL01

Lab Name: Alliance | Contract: ARDM01

Lab Code: ACE | SDG NO.: Q3700

Lab File ID: VN088365.D | Lab Sample ID: VN1126WBL01

Date Analyzed: 11/26/2025 | Time Analyzed: 10:36

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
VN1126WBS01	VN1126WBS01	VN088363.D	11/26/2025
EFF-WWMSD	Q3700-03MSD	VN088367.D	11/26/2025

COMMENTS:

Raw Data: **VN088273.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ARDM01
Lab Code: ACE
SDG NO.: Q3700
Lab File ID: VN088273.D
BFB Injection Date: 11/13/2025
Instrument ID: MSVOA_N
BFB Injection Time: 08:08
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	24.2
75	30.0 - 60.0% of mass 95	57.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.5 (0.8) 1
174	50.0 - 100.0% of mass 95	68.5
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.3 (96.7) 1
177	5.0 - 9.0% of mass 176	4.3 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VN088274.D	11/13/2025	10:14
VSTDICCC020	VSTDICCC020	VN088275.D	11/13/2025	10:47
VSTDICC050	VSTDICC050	VN088276.D	11/13/2025	11:08
VSTDICC100	VSTDICC100	VN088277.D	11/13/2025	11:29
VSTDICC150	VSTDICC150	VN088278.D	11/13/2025	11:50

Raw Data: **VN088352.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ARDM01

Lab Code: ACE | SDG NO.: Q3700

Lab File ID: VN088352.D | BFB Injection Date: 11/25/2025

Instrument ID: MSVOA_N | BFB Injection Time: 10:29

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	23.3
75	30.0 - 60.0% of mass 95	56.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	72.1
175	5.0 - 9.0% of mass 174	3.9 (5.4) 1
176	95.0 - 101.0% of mass 174	68.5 (95) 1
177	5.0 - 9.0% of mass 176	4.4 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VN088353.D	11/25/2025	11:03
VN1125WBS01	VN1125WBS01	VN088354.D	11/25/2025	11:36
VN1125WBL01	VN1125WBL01	VN088356.D	11/25/2025	12:31
EFF-WW	Q3700-01	VN088359.D	11/25/2025	13:45
EFF-WWMS	Q3700-02MS	VN088360.D	11/25/2025	14:06

Raw Data: **VN088361.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ARDM01
Lab Code: ACE
SDG NO.: Q3700
Lab File ID: VN088361.D
BFB Injection Date: 11/26/2025
Instrument ID: MSVOA_N
BFB Injection Time: 08:25
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	21
75	30.0 - 60.0% of mass 95	54.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	71.9
175	5.0 - 9.0% of mass 174	4 (5.5) 1
176	95.0 - 101.0% of mass 174	69.2 (96.3) 1
177	5.0 - 9.0% of mass 176	5 (7.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VN088362.D	11/26/2025	09:06
VN1126WBS01	VN1126WBS01	VN088363.D	11/26/2025	09:42
VN1126WBL01	VN1126WBL01	VN088365.D	11/26/2025	10:36
EFF-WWMSD	Q3700-03MSD	VN088367.D	11/26/2025	11:43

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG NO.: Q3700

Lab File ID: VN088353.D Date Analyzed: 11/25/2025

Instrument ID: MSVOA_N Time Analyzed: 11:03

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	57986	7.80	299947	9.08	269125	11.85
UPPER LIMIT	115972	8.3	599894	9.582	538250	12.347
LOWER LIMIT	28993	7.3	149974	8.582	134563	11.347
EPA SAMPLE NO.						
EFF-WW	50615	7.79	245873	9.08	214867	11.85
EFF-WWMS	50762	7.81	258609	9.08	233753	11.84
VN1125WBL01	55920	7.80	279977	9.08	244619	11.85
VN1125WBS01	57156	7.79	284593	9.08	251170	11.85

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG NO.: Q3700

Lab File ID: VN088362.D Date Analyzed: 11/26/2025

Instrument ID: MSVOA_N Time Analyzed: 09:06

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	55632	7.80	271784	9.08	250226	11.84
UPPER LIMIT	111264	8.3	543568	9.582	500452	12.341
LOWER LIMIT	27816	7.3	135892	8.582	125113	11.341
EPA SAMPLE NO.						
EFF-WWMSD	54953	7.80	283065	9.08	251234	11.84
VN1126WBL01	48647	7.80	246777	9.08	220989	11.85
VN1126WBS01	57477	7.79	302288	9.08	272302	11.85

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: **VN088359.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Ardmore Chemical			Date Collected:	11/20/25
Project:	PVSC Monthly 2025			Date Received:	11/20/25
Client Sample ID:	EFF-WW			SDG No.:	Q3700
Lab Sample ID:	Q3700-01			Matrix:	Water
Analytical Method:	E624.1	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-PP

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
74-87-3	Chloromethane	3.20	U	5	3.20	25.0	ug/L	11/25/25 13:45	VN112525
75-01-4	Vinyl Chloride	4.20	U	5	4.20	25.0	ug/L	11/25/25 13:45	VN112525
74-83-9	Bromomethane	4.00	U	5	4.00	25.0	ug/L	11/25/25 13:45	VN112525
75-00-3	Chloroethane	11.6	U	5	11.6	25.0	ug/L	11/25/25 13:45	VN112525
75-69-4	Trichlorofluoromethane	4.00	U	5	4.00	25.0	ug/L	11/25/25 13:45	VN112525
75-35-4	1,1-Dichloroethene	3.80	U	5	3.80	25.0	ug/L	11/25/25 13:45	VN112525
107-02-8	Acrolein	51.0	JQ	5	33.1	130	ug/L	11/25/25 13:45	VN112525
107-13-1	Acrylonitrile	14.0	U	5	14.0	130	ug/L	11/25/25 13:45	VN112525
75-09-2	Methylene Chloride	4.30	U	5	4.30	25.0	ug/L	11/25/25 13:45	VN112525
156-60-5	trans-1,2-Dichloroethene	4.10	U	5	4.10	25.0	ug/L	11/25/25 13:45	VN112525
75-34-3	1,1-Dichloroethane	3.40	U	5	3.40	25.0	ug/L	11/25/25 13:45	VN112525
56-23-5	Carbon Tetrachloride	3.70	U	5	3.70	25.0	ug/L	11/25/25 13:45	VN112525
67-66-3	Chloroform	17.1	J	5	2.80	25.0	ug/L	11/25/25 13:45	VN112525
71-55-6	1,1,1-Trichloroethane	3.20	U	5	3.20	25.0	ug/L	11/25/25 13:45	VN112525
71-43-2	Benzene	2.30	U	5	2.30	25.0	ug/L	11/25/25 13:45	VN112525
107-06-2	1,2-Dichloroethane	2.50	U	5	2.50	25.0	ug/L	11/25/25 13:45	VN112525
79-01-6	Trichloroethene	2.50	U	5	2.50	25.0	ug/L	11/25/25 13:45	VN112525
78-87-5	1,2-Dichloropropane	2.30	U	5	2.30	25.0	ug/L	11/25/25 13:45	VN112525
75-27-4	Bromodichloromethane	3.20	U	5	3.20	25.0	ug/L	11/25/25 13:45	VN112525
108-88-3	Toluene	2.30	U	5	2.30	25.0	ug/L	11/25/25 13:45	VN112525
10061-02-6	t-1,3-Dichloropropene	3.60	U	5	3.60	25.0	ug/L	11/25/25 13:45	VN112525
10061-01-5	cis-1,3-Dichloropropene	3.40	U	5	3.40	25.0	ug/L	11/25/25 13:45	VN112525
79-00-5	1,1,2-Trichloroethane	2.30	U	5	2.30	25.0	ug/L	11/25/25 13:45	VN112525
110-75-8	2-Chloroethyl vinyl ether	23.2	U	5	23.2	130	ug/L	11/25/25 13:45	VN112525
124-48-1	Dibromochloromethane	3.30	U	5	3.30	25.0	ug/L	11/25/25 13:45	VN112525
127-18-4	Tetrachloroethene	4.20	U	5	4.20	25.0	ug/L	11/25/25 13:45	VN112525
108-90-7	Chlorobenzene	2.40	U	5	2.40	25.0	ug/L	11/25/25 13:45	VN112525
100-41-4	Ethyl Benzene	2.80	U	5	2.80	25.0	ug/L	11/25/25 13:45	VN112525
179601-23-1	m/p-Xylenes	6.50	U	5	6.50	50.0	ug/L	11/25/25 13:45	VN112525
95-47-6	o-Xylene	3.40	U	5	3.40	25.0	ug/L	11/25/25 13:45	VN112525
75-25-2	Bromoform	4.70	U	5	4.70	25.0	ug/L	11/25/25 13:45	VN112525
79-34-5	1,1,2,2-Tetrachloroethane	2.20	U	5	2.20	25.0	ug/L	11/25/25 13:45	VN112525
541-73-1	1,3-Dichlorobenzene	3.40	U	5	3.40	25.0	ug/L	11/25/25 13:45	VN112525
106-46-7	1,4-Dichlorobenzene	4.10	U	5	4.10	25.0	ug/L	11/25/25 13:45	VN112525
95-50-1	1,2-Dichlorobenzene	3.40	U	5	3.40	25.0	ug/L	11/25/25 13:45	VN112525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	28.4			91 - 110	95%	SPK: 30		
2037-26-5	Toluene-d8	30.0			91 - 112	100%	SPK: 30		
460-00-4	4-Bromofluorobenzene	24.7			63 - 112	82%	SPK: 30		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	50600							
540-36-3	1,4-Difluorobenzene	246000							
3114-55-4	Chlorobenzene-d5	215000							

Raw Data: **VN088359.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Ardmore Chemical			Date Collected:	11/20/25
Project:	PVSC Monthly 2025			Date Received:	11/20/25
Client Sample ID:	EFF-WW			SDG No.:	Q3700
Lab Sample ID:	Q3700-01			Matrix:	Water
Analytical Method:	E624.1	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-PP

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID

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

Sample Results: **VN088359.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088359.D
Acq On : 25 Nov 2025 13:45
Operator : JC\MD
Sample : Q3700-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Quant Time: Nov 26 00:18:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	50615	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	245873	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	214867	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	131352	28.410	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 94.700%			
60) 4-Bromofluorobenzene	12.829	95	89677	24.689	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 82.300%			
63) Toluene-d8	10.547	98	305474	30.029	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.100%			
Target Compounds						Qvalue
13) Acrolein	4.189	56	6737m	10.198	ug/l	
15) Acetone	4.424	58	82197	137.762	ug/l	99
25) Chloroform	7.947	83	22051	3.418	ug/l	97

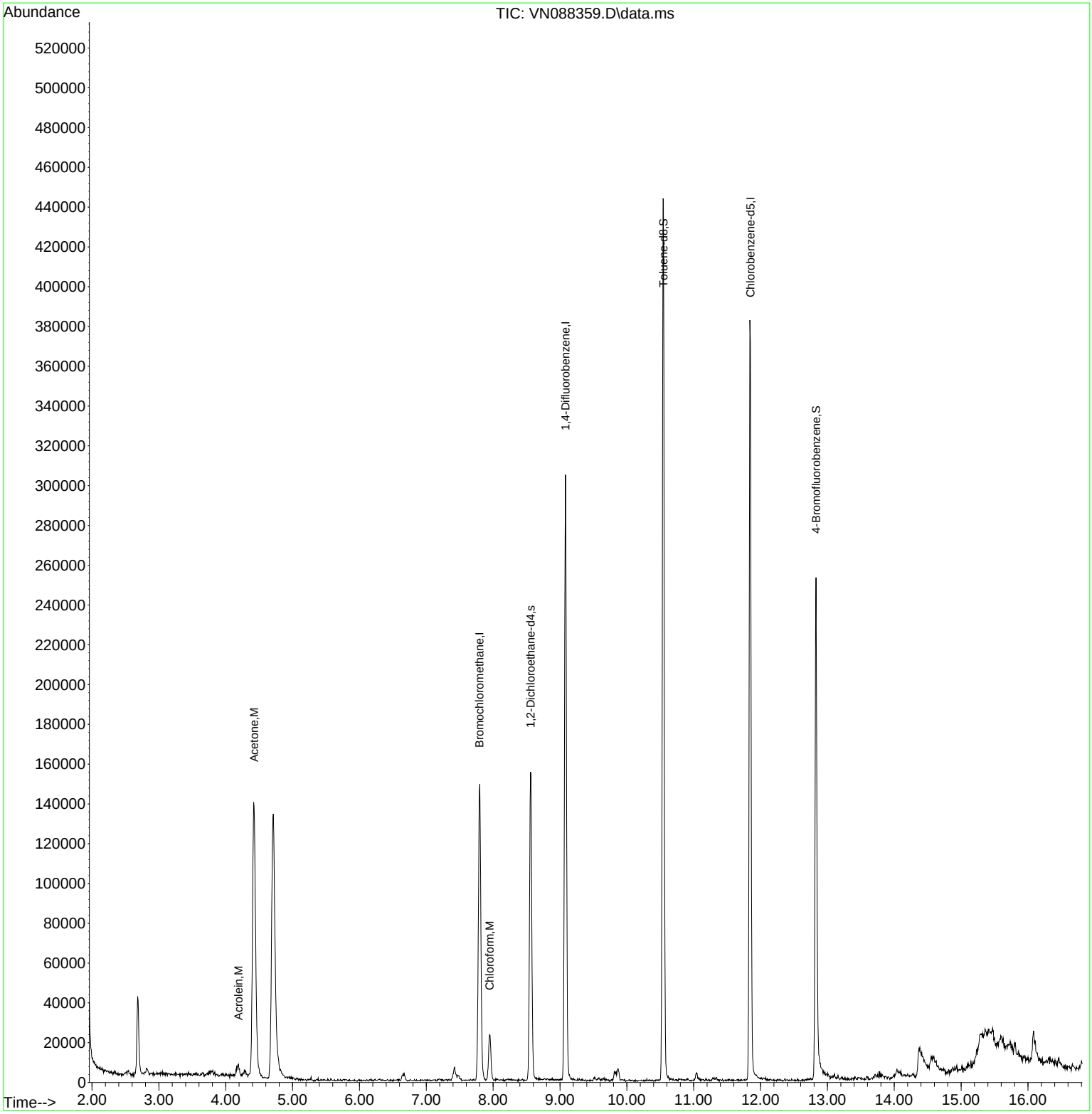
(#) = qualifier out of range (m) = manual integration (+) = signals summed

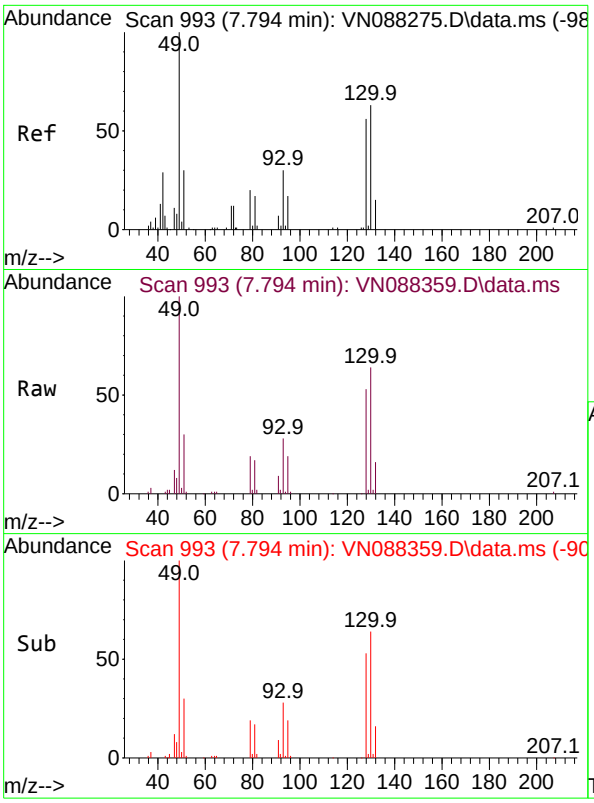
Sample Results: **VN088359.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088359.D
Acq On : 25 Nov 2025 13:45
Operator : JC\MD
Sample : Q3700-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Quant Time: Nov 26 00:18:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration



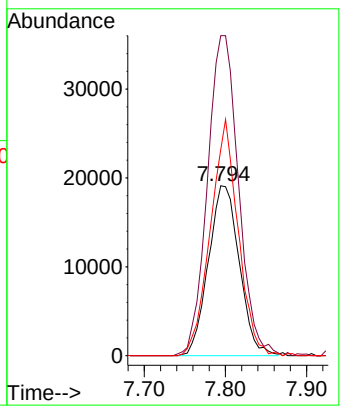


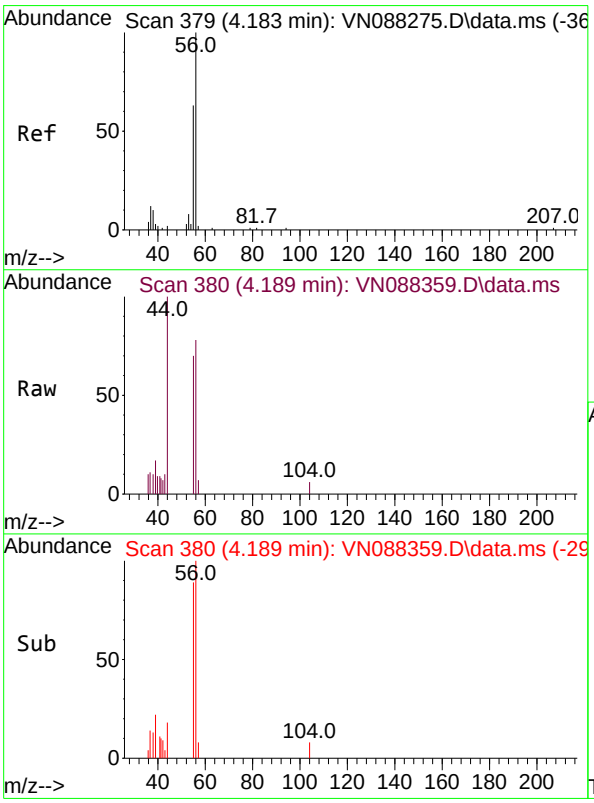
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN088359.D
Acq: 25 Nov 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:128 Resp: 50615

Ion	Ratio	Lower	Upper
128	100		
49	189.4	0.0	501.2
130	124.4	0.0	320.2

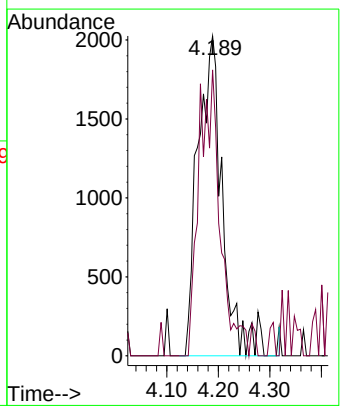


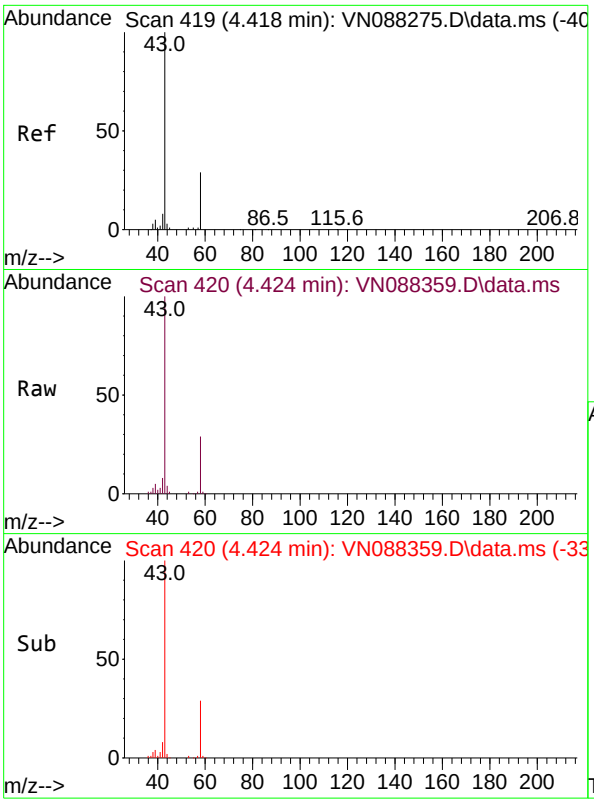


#13
Acrolein
Concen: 10.198 ug/l m
RT: 4.189 min Scan# 380
Delta R.T. 0.006 min
Lab File: VN088359.D
Acq: 25 Nov 2025 13:45

Tgt Ion: 56 Resp: 6737

Ion	Ratio	Lower	Upper
56	100		
55	0.0	57.9	86.9#



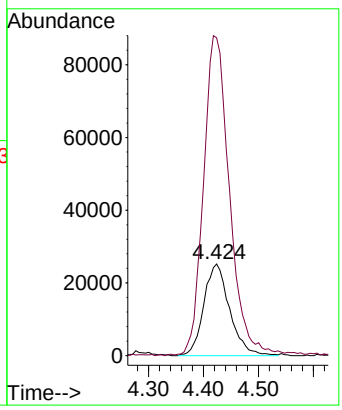


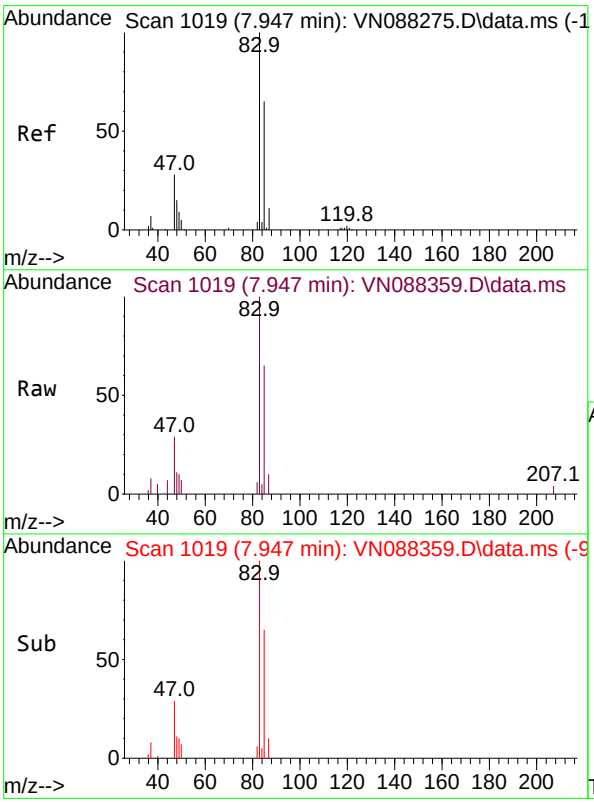
#15
Acetone
Concen: 137.762 ug/l
RT: 4.424 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN088359.D
Acq: 25 Nov 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 58 Resp: 82197

Ion	Ratio	Lower	Upper
58	100		
43	345.6	273.9	410.9

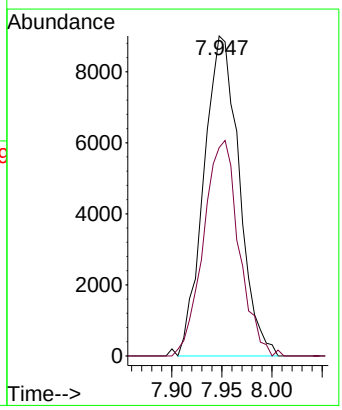


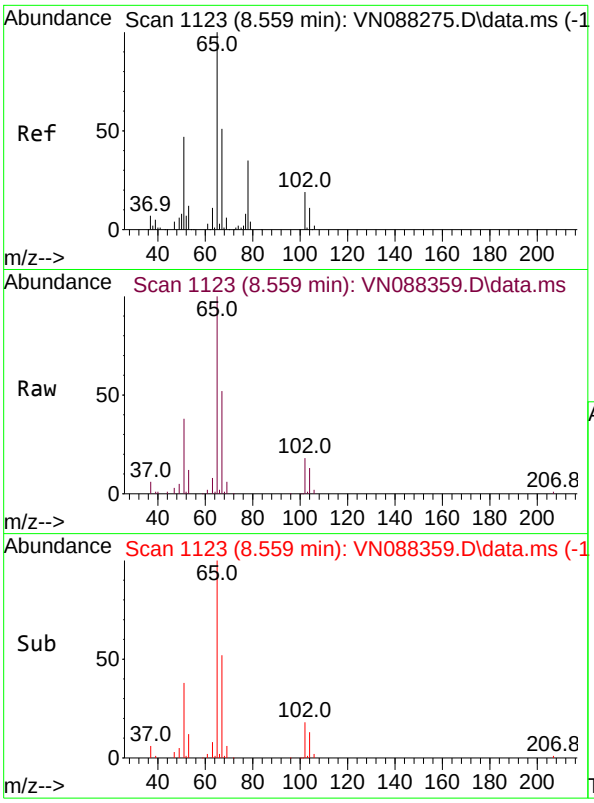


#25
Chloroform
Concen: 3.418 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VN088359.D
Acq: 25 Nov 2025 13:45

Tgt Ion: 83 Resp: 22051

Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.2	78.4



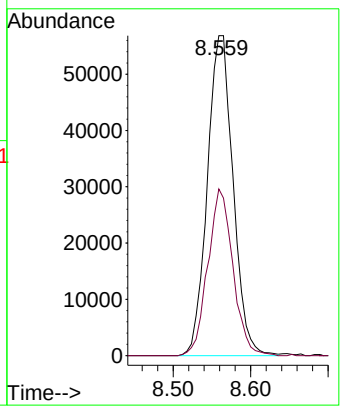


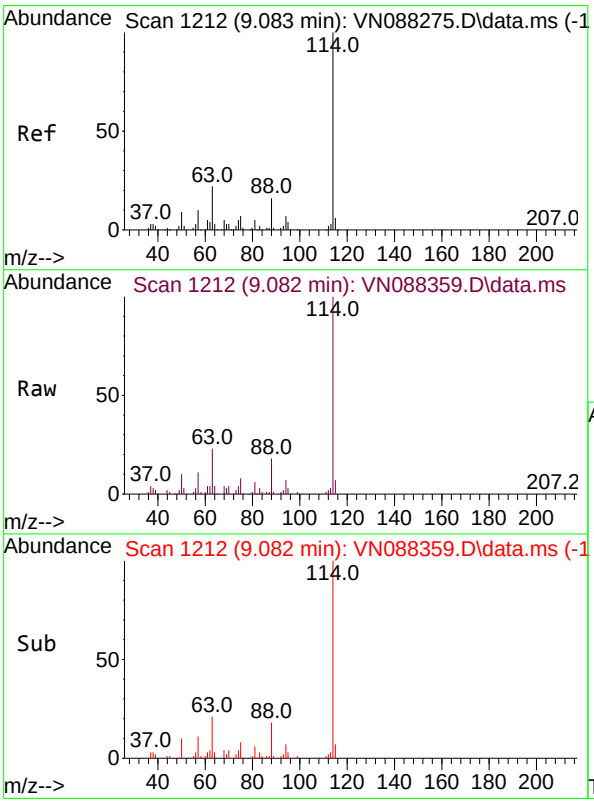
#27
1,2-Dichloroethane-d4
Concen: 28.410 ug/l
RT: 8.559 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088359.D
Acq: 25 Nov 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 65 Resp: 131352

Ion	Ratio	Lower	Upper
65	100		
67	50.8	40.2	60.2

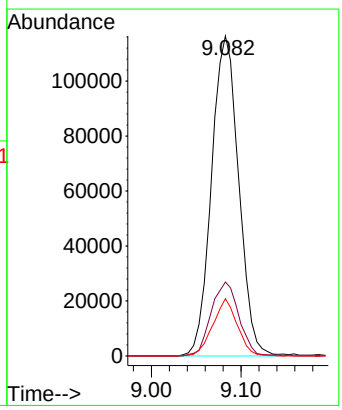


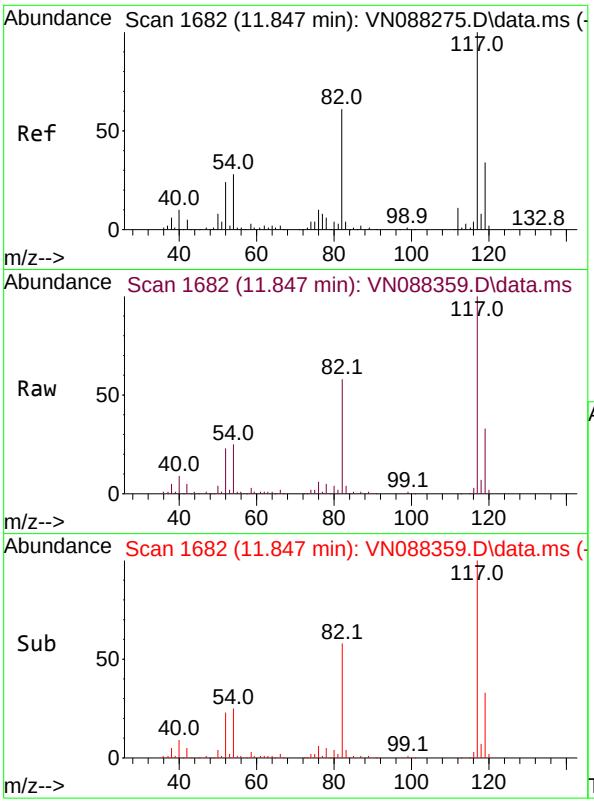


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088359.D
Acq: 25 Nov 2025 13:45

Tgt Ion:114 Resp: 245873

Ion	Ratio	Lower	Upper
114	100		
63	23.4	18.9	28.3
88	16.1	12.8	19.2



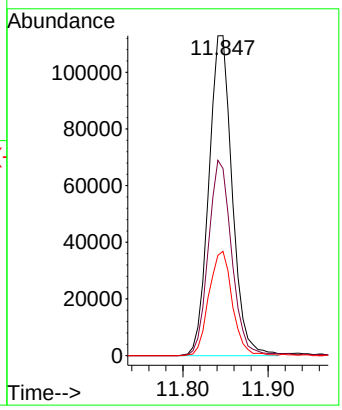


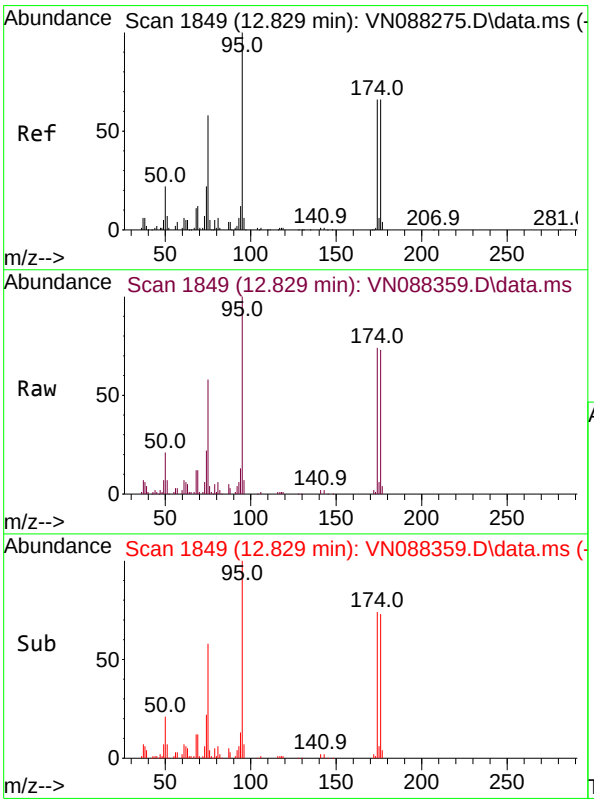
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088359.D
Acq: 25 Nov 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:117 Resp: 214867

Ion	Ratio	Lower	Upper
117	100		
82	61.0	49.3	73.9
119	32.3	26.4	39.6

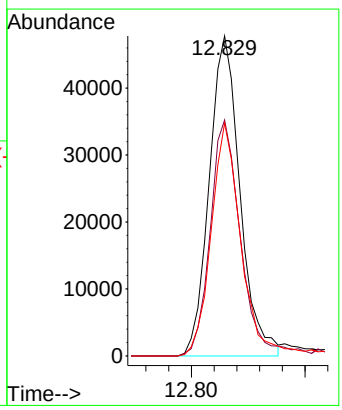


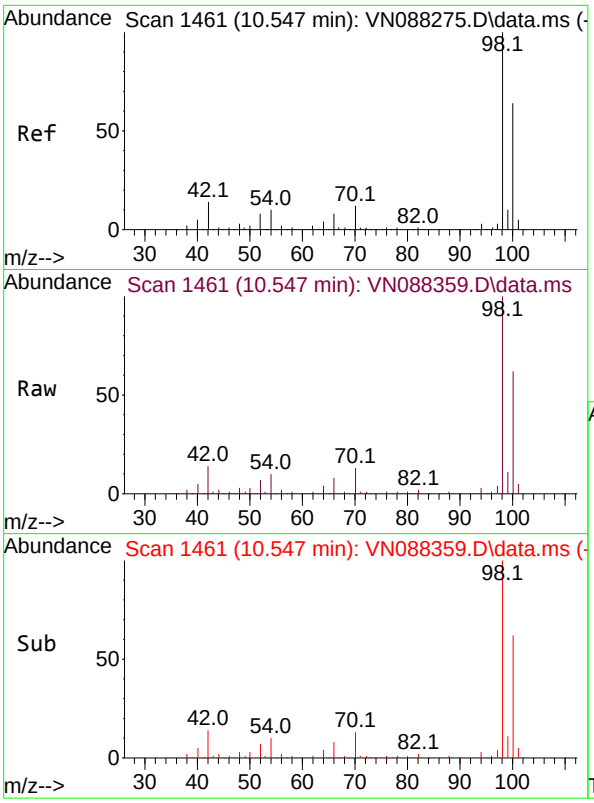


#60
4-Bromofluorobenzene
Concen: 24.689 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088359.D
Acq: 25 Nov 2025 13:45

Tgt Ion: 95 Resp: 89677

Ion	Ratio	Lower	Upper
95	100		
174	73.2	54.5	81.7
176	70.5	53.8	80.6



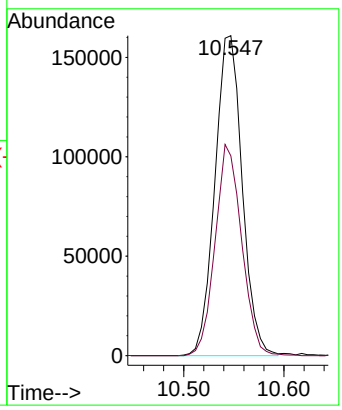


#63
Toluene-d8
Concen: 30.029 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088359.D
Acq: 25 Nov 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 98 Resp: 305474

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4



CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG No.: Q3700

Instrument ID: MSVOA_N Calibration Date(s): 11/13/2025 11/13/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:14 11:50

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

LAB FILE ID: RRF005 = VN088274.D RRF020 = VN088275.D RRF050 = VN088276.D
RRF100 = VN088277.D RRF150 = VN088278.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Chloromethane	2.094	2.291	2.114	2.068	2.305		2.174	5.2
Vinyl Chloride	2.166	2.413	2.246	2.166	2.505		2.299	6.7
Bromomethane	1.249	1.214	1.149	1.224	1.294		1.226	4.3
Chloroethane	1.399	1.495	1.336	1.378	1.498		1.421	5.1
Trichlorofluoromethane	2.922	3.441	3.168	3.005	3.580		3.223	8.7
1,1-Dichloroethene	1.558	1.748	1.601	1.557	1.784		1.650	6.6
Acrolein	0.445	0.354	0.354	0.399	0.406		0.392	9.9
Acrylonitrile	1.212	1.224	1.162	1.213	1.236		1.209	2.3
Methylene Chloride	2.165	2.098	1.983	1.998	2.009		2.050	3.8
trans-1,2-Dichloroethene	1.917	2.036	1.848	1.810	1.993		1.921	4.9
1,1-Dichloroethane	3.827	4.008	3.728	3.748	3.985		3.859	3.4
Carbon Tetrachloride	0.524	0.532	0.499	0.511	0.569		0.527	5
Chloroform	3.861	3.873	3.674	3.755	3.958		3.824	2.9
1,1,1-Trichloroethane	0.623	0.624	0.578	0.609	0.651		0.617	4.3
Benzene	1.560	1.495	1.392	1.499	1.535		1.496	4.3
1,2-Dichloroethane	0.585	0.575	0.546	0.608	0.597		0.582	4.1
Trichloroethene	0.350	0.340	0.321	0.335	0.349		0.339	3.4
1,2-Dichloropropane	0.414	0.378	0.356	0.391	0.391		0.386	5.5
Bromodichloromethane	0.566	0.535	0.518	0.584	0.588		0.558	5.4
Toluene	1.716	1.777	1.619	1.714	1.782		1.722	3.8
t-1,3-Dichloropropene	0.579	0.559	0.550	0.647	0.651		0.597	8.1
cis-1,3-Dichloropropene	0.606	0.610	0.581	0.651	0.660		0.621	5.3
1,1,2-Trichloroethane	0.363	0.334	0.318	0.353	0.347		0.343	5.1
2-Chloroethyl vinyl ether	0.323	0.304	0.282	0.355	0.361		0.325	10.3
Dibromochloromethane	0.382	0.377	0.368	0.423	0.420		0.394	6.5
Tetrachloroethene	0.305	0.329	0.295	0.297	0.321		0.309	4.8
Chlorobenzene	1.098	1.065	0.994	1.074	1.099		1.066	4
Ethyl Benzene	1.763	1.927	1.813	1.933	2.052		1.897	6
m/p-Xylenes	0.660	0.723	0.687	0.718	0.760		0.710	5.4
o-Xylene	0.619	0.665	0.643	0.698	0.721		0.669	6.2

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG No.: Q3700

Instrument ID: MSVOA_N Calibration Date(s): 11/13/2025 11/13/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:14 11:50

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

LAB FILE ID: RRF005 = VN088274.D RRF020 = VN088275.D RRF050 = VN088276.D
RRF100 = VN088277.D RRF150 = VN088278.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Bromoform	0.229	0.233	0.232	0.278	0.276		0.249	10
1,1,2,2-Tetrachloroethane	0.574	0.575	0.541	0.593	0.589		0.575	3.6
1,3-Dichlorobenzene	0.726	0.795	0.753	0.802	0.815		0.778	4.8
1,4-Dichlorobenzene	0.769	0.785	0.745	0.815	0.826		0.788	4.2
1,2-Dichlorobenzene	0.709	0.744	0.697	0.759	0.764		0.734	4.1
1,2-Dichloroethane-d4	2.725	2.740	2.769	2.745	2.723		2.740	0.7
Toluene-d8	1.418	1.455	1.418	1.385	1.426		1.420	1.8
4-Bromofluorobenzene	0.479	0.494	0.513	0.515	0.534		0.507	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.

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N111325W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Nov 14 00:49:21 2025
Response Via : Initial Calibration

Calibration Files
5 =VN088274.D 20 =VN088275.D 50 =VN088276.D 100 =VN088277.D 150 =VN088278.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.540	2.366	2.176	2.015	2.447	2.109	17.06
3)	M	Chloromethane	2.094	2.291	2.114	2.068	2.305	2.174	5.25
4)	M	Vinyl Chloride	2.166	2.413	2.246	2.166	2.505	2.299	6.65
5)	M	Bromomethane	1.249	1.214	1.149	1.224	1.294	1.226	4.32
6)	M	Chloroethane	1.399	1.495	1.336	1.378	1.498	1.421	5.08
7)	M	Trichlorofluorom...	2.922	3.441	3.168	3.005	3.580	3.223	8.72
8)	T	Diethyl Ether	1.285	1.200	1.121	1.191	1.226	1.205	4.94
9)		1,1,2-Trichlorot...	1.587	1.800	1.631	1.547	1.889	1.691	8.68
10)	M	1,1-Dichloroethene	1.558	1.748	1.601	1.557	1.784	1.650	6.58
11)		Methyl Iodide	1.267	1.744	1.806	1.920	2.041	1.756	16.84
12)		Methyl Acetate	2.674	2.716	2.562	2.661	2.694	2.661	2.23
13)	M	Acrolein	0.445	0.354	0.354	0.399	0.406	0.392	9.90
14)	M	Acrylonitrile	1.212	1.224	1.162	1.213	1.236	1.209	2.33
15)	M	Acetone	0.339	0.364	0.340	0.357	0.369	0.354	3.88
16)	M	Carbon Disulfide	5.228	5.928	5.506	5.256	5.901	5.564	6.08
17)		Allyl chloride	3.150	3.298	3.146	3.091	3.344	3.206	3.41
18)	M	Methylene Chloride	2.165	2.098	1.983	1.998	2.009	2.050	3.80
19)	M	trans-1,2-Dichlo...	1.917	2.036	1.848	1.810	1.993	1.921	4.92
20)	T	Diisopropyl ether	6.753	6.994	6.417	6.799	7.288	6.850	4.69
21)	M	1,1-Dichloroethane	3.827	4.008	3.728	3.748	3.985	3.859	3.40
22)	M	cis-1,2-Dichloro...	2.263	2.268	2.137	2.183	2.312	2.233	3.18
23)	M	tert-Butyl Alcohol	0.528	0.435	0.407	0.422	0.431	0.445	10.75
24)	M	Methyl tert-Buty...	6.526	6.635	6.404	6.727	6.964	6.651	3.19
25)	M	Chloroform	3.861	3.873	3.674	3.755	3.958	3.824	2.90
26)		Cyclohexane	2.831	3.534	3.200	3.018	3.716	3.260	11.16
27)	s	1,2-Dichloroetha...	2.725	2.740	2.769	2.745	2.723	2.740	0.67
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.484	0.508	0.471	0.497	0.542	0.501	5.43
30)	M	2-Butanone	0.335	0.314	0.299	0.335	0.336	0.324	5.15
31)		2,2-Dichloropropane	0.605	0.623	0.581	0.619	0.659	0.617	4.60
32)	M	1,1,1-Trichloroe...	0.623	0.624	0.578	0.609	0.651	0.617	4.30
33)	M	Carbon Tetrachlo...	0.524	0.532	0.499	0.511	0.569	0.527	5.04
34)	M	Benzene	1.560	1.495	1.392	1.499	1.535	1.496	4.28
35)		Methacrylonitrile	0.355	0.325	0.307	0.355	0.347	0.338	6.21
36)	M	1,2-Dichloroethane	0.585	0.575	0.546	0.608	0.597	0.582	4.09
37)	M	Trichloroethene	0.350	0.340	0.321	0.335	0.349	0.339	3.43
38)		Methylcyclohexane	0.509	0.593	0.554	0.552	0.661	0.574	9.95
39)	M	1,2-Dichloropropane	0.414	0.378	0.356	0.391	0.391	0.386	5.53
40)		Dibromomethane	0.292	0.277	0.254	0.284	0.281	0.277	5.20
41)	M	Bromodichloromet...	0.566	0.535	0.518	0.584	0.588	0.558	5.45
42)	M	Vinyl Acetate	1.052	1.049	1.034	1.148	1.121	1.081	4.68
43)		Ethyl Acetate	0.675	0.645	0.608	0.680	0.649	0.651	4.40
44)		Isopropyl Acetate	0.981	0.975	0.929	1.071	1.063	1.004	6.08
45)	T	1,4-Dioxane	0.006	0.006	0.006	0.006	0.006	0.006	3.52
46)		Methyl methacrylate	0.433	0.448	0.440	0.513	0.515	0.470	8.69
47)		n-amyl Acetate	0.516	0.456	0.455	0.558	0.559	0.509	10.15
48)	M	t-1,3-Dichloropr...	0.579	0.559	0.550	0.647	0.651	0.597	8.11
49)	T	cis-1,3-Dichloro...	0.606	0.610	0.581	0.651	0.660	0.621	5.33
50)	M	1,1,2-Trichloroe...	0.363	0.334	0.318	0.353	0.347	0.343	5.08
51)		Ethyl methacrylate	0.497	0.522	0.533	0.635	0.633	0.564	11.59
52)		1,3-Dichloropropane	0.642	0.612	0.576	0.647	0.646	0.625	4.98
53)	M	Dibromochloromet...	0.382	0.377	0.368	0.423	0.420	0.394	6.47
54)	M	1,2-Dibromoethane	0.368	0.342	0.325	0.378	0.370	0.356	6.23
55)	M	2-Chloroethyl vi...	0.323	0.304	0.282	0.355	0.361	0.325	10.30
56)	M	Bromoform	0.229	0.233	0.232	0.278	0.276	0.249	10.05

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N111325W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.654	0.685	0.642	0.710	0.701	0.679	4.35
59)	M	2-Hexanone	0.370	0.436	0.440	0.501	0.505	0.451	12.33
60)	S	4-Bromofluoroben...	0.479	0.494	0.513	0.515	0.534	0.507	4.15
61)	M	Tetrachloroethene	0.305	0.329	0.295	0.297	0.321	0.309	4.85
62)	M	Toluene	1.716	1.777	1.619	1.714	1.782	1.722	3.83
63)	S	Toluene-d8	1.418	1.455	1.418	1.385	1.426	1.420	1.76
64)	M	Chlorobenzene	1.098	1.065	0.994	1.074	1.099	1.066	4.04
65)		1,1,1,2-Tetrachl...	0.374	0.369	0.338	0.368	0.375	0.365	4.19
66)	M	Ethyl Benzene	1.763	1.927	1.813	1.933	2.052	1.897	5.97
67)	M	m/p-Xylenes	0.660	0.723	0.687	0.718	0.760	0.710	5.37
68)	M	o-Xylene	0.619	0.665	0.643	0.698	0.721	0.669	6.18
69)	M	Styrene	1.010	1.113	1.104	1.209	1.248	1.137	8.29
70)		Isopropylbenzene	1.587	1.799	1.703	1.815	1.966	1.774	7.95
71)	M	1,1,2,2-Tetrachl...	0.574	0.575	0.541	0.593	0.589	0.575	3.56
72)		1,2,3-Trichlorop...	0.611	0.509	0.524	0.576	0.563	0.557	7.31
73)		Bromobenzene	0.390	0.399	0.386	0.416	0.412	0.400	3.35
74)		n-propylbenzene	1.999	2.235	2.127	2.235	2.380	2.195	6.47
75)		2-Chlorotoluene	1.289	1.337	1.272	1.366	1.410	1.335	4.22
76)		1,3,5-Trimethylb...	1.318	1.500	1.447	1.538	1.642	1.489	8.00
77)		t-1,4-Dichloro-2...	0.144	0.179	0.184	0.220	0.229	0.191	17.90
78)		4-Chlorotoluene	1.240	1.360	1.301	1.407	1.457	1.353	6.33
79)		tert-butylbenzene	1.171	1.273	1.238	1.291	1.402	1.275	6.62
80)		1,2,4-Trimethylb...	1.279	1.474	1.447	1.576	1.627	1.481	9.09
81)		sec-Butylbenzene	1.667	1.917	1.793	1.867	2.053	1.859	7.71
82)		p-Isopropyltoluene	1.325	1.574	1.512	1.559	1.712	1.536	9.09
83)	M	1,3-Dichlorobenzene	0.726	0.795	0.753	0.802	0.815	0.778	4.83
84)	M	1,4-Dichlorobenzene	0.769	0.785	0.745	0.815	0.826	0.788	4.23
85)		n-Butylbenzene	1.210	1.538	1.426	1.492	1.656	1.464	11.28
86)	T	Hexachloroethane	0.283	0.293	0.279	0.298	0.319	0.294	5.42
87)	M	1,2-Dichlorobenzene	0.709	0.744	0.697	0.759	0.764	0.734	4.10
88)		1,2-Dibromo-3-Ch...	0.131	0.129	0.128	0.141	0.147	0.135	6.28
89)		1,2,4-Trichlorob...	0.388	0.404	0.390	0.429	0.451	0.412	6.59
90)		Hexachlorobutadiene	0.155	0.165	0.155	0.150	0.175	0.160	6.34
91)	M	Naphthalene	1.322	1.441	1.415	1.607	1.671	1.491	9.67
92)		1,2,3-Trichlorob...	0.388	0.404	0.390	0.429	0.451	0.412	6.59

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088274.D
Acq On : 13 Nov 2025 10:14
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

Quant Time: Nov 14 00:31:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:31:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	59982	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	315158	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	280094	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	163453	33.778	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 112.600%#			
60) 4-Bromofluorobenzene	12.829	95	134269	29.108	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.033%			
63) Toluene-d8	10.547	98	397107	31.297	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.333%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	15397	4.199	ug/l	99
3) Chloromethane	2.389	50	20933	5.188	ug/l	98
4) Vinyl Chloride	2.536	62	21649	5.144	ug/l	95
5) Bromomethane	2.977	94	12485	5.542	ug/l	87
6) Chloroethane	3.136	64	13983	5.095	ug/l	93
7) Trichlorofluoromethane	3.512	101	29208	5.032	ug/l	91
8) Diethyl Ether	3.959	74	12849	5.169	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.365	101	15868m	5.132	ug/l	
10) 1,1-Dichloroethene	4.330	96	15573	4.823	ug/l	95
11) Methyl Iodide	4.583	142	12669	4.056	ug/l	92
12) Methyl Acetate	5.012	43	26727	5.139	ug/l	96
13) Acrolein	4.171	56	22260m	28.039	ug/l	
14) Acrylonitrile	5.706	53	60558	24.465	ug/l	99
15) Acetone	4.430	58	16946	23.407	ug/l	93
16) Carbon Disulfide	4.712	76	52263m	5.069	ug/l	
17) Allyl chloride	5.018	41	31489	5.167	ug/l	97
18) Methylene Chloride	5.265	84	21639	5.317	ug/l	93
19) trans-1,2-Dichloroethene	5.771	96	19169	5.139	ug/l #	81
20) Diisopropyl ether	6.659	45	67510	4.944	ug/l	97
21) 1,1-Dichloroethane	6.553	63	38262	5.276	ug/l	98
22) cis-1,2-Dichloroethene	7.465	96	22622	4.954	ug/l #	90
23) tert-Butyl Alcohol	5.524	59	26385m	27.232	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	65238	4.803	ug/l #	82
25) Chloroform	7.953	83	38596	5.219	ug/l	93
26) Cyclohexane	8.229	56	28299m	4.661	ug/l	
29) 1,1-Dichloropropene	8.347	75	25434	5.410	ug/l	98
30) 2-Butanone	7.471	43	87884	26.404	ug/l #	98
31) 2,2-Dichloropropane	7.477	77	31772m	5.318	ug/l	
32) 1,1,1-Trichloroethane	8.147	97	32744	5.623	ug/l	98
33) Carbon Tetrachloride	8.341	117	27520	5.603	ug/l	85
34) Benzene	8.588	78	81926	5.397	ug/l #	93
35) Methacrylonitrile	7.759	41	18631	5.343	ug/l	93
36) 1,2-Dichloroethane	8.653	62	30747	5.714	ug/l	97
37) Trichloroethene	9.335	130	18362	5.154	ug/l	84
38) Methylcyclohexane	9.582	83	26740	4.668	ug/l	98
39) 1,2-Dichloropropane	9.600	63	21746	5.698	ug/l	99
40) Dibromomethane	9.688	93	15320	5.523	ug/l	99
41) Bromodichloromethane	9.865	83	29744	5.289	ug/l #	94
42) Vinyl Acetate	6.588	43	276230	24.145	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088274.D
Acq On : 13 Nov 2025 10:14
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 14 00:31:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:31:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.547	43	35436	5.467 ug/l #	81
44) Isopropyl Acetate	8.671	43	51550	4.931 ug/l	96
45) 1,4-Dioxane	9.682	88	6293	92.862 ug/l #	93
46) Methyl methacrylate	9.665	41	22745	4.800 ug/l	93
47) n-amyl Acetate	13.111	43	27105m	5.506 ug/l	
48) t-1,3-Dichloropropene	10.818	75	30392	4.911 ug/l	99
49) cis-1,3-Dichloropropene	10.294	75	31815	4.902 ug/l	99
50) 1,1,2-Trichloroethane	10.994	97	19062	5.278 ug/l	95
51) Ethyl methacrylate	10.859	69	26099m	4.302 ug/l	
52) 1,3-Dichloropropane	11.141	76	33732	5.305 ug/l	97
53) Dibromochloromethane	11.341	129	20062	4.685 ug/l	99
54) 1,2-Dibromoethane	11.447	107	19322	5.037 ug/l	90
55) 2-Chloroethyl vinyl ether	10.135	63	84863	25.902 ug/l	98
56) Bromoform	12.559	173	12003	4.198 ug/l #	99
58) 4-Methyl-2-Pentanone	10.429	43	152747	24.280 ug/l	100
59) 2-Hexanone	11.182	43	86444	20.905 ug/l	91
61) Tetrachloroethene	11.082	164	14222	4.941 ug/l	97
62) Toluene	10.612	91	80108	4.996 ug/l	99
64) Chlorobenzene	11.870	112	51274	5.070 ug/l	91
65) 1,1,1,2-Tetrachloroethane	11.941	131	17465	5.028 ug/l	100
66) Ethyl Benzene	11.941	91	82280	4.718 ug/l	90
67) m/p-Xylenes	12.053	106	61616	9.227 ug/l	96
68) o-Xylene	12.376	106	28878	4.411 ug/l	96
69) Styrene	12.394	104	47137	4.312 ug/l	97
70) Isopropylbenzene	12.670	105	74065	4.517 ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.917	83	26814	4.879 ug/l	99
72) 1,2,3-Trichloropropane	12.976	75	28504m	5.588 ug/l	
73) Bromobenzene	12.959	156	18184	4.642 ug/l	98
74) n-propylbenzene	13.011	91	93306	4.685 ug/l	99
75) 2-Chlorotoluene	13.106	91	60165	4.967 ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	61542	4.437 ug/l	99
77) t-1,4-Dichloro-2-butene	12.717	75	6714m	3.347 ug/l	
78) 4-Chlorotoluene	13.206	91	57871	4.703 ug/l	98
79) tert-butylbenzene	13.417	119	54661	4.578 ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	59703	4.320 ug/l	99
81) sec-Butylbenzene	13.594	105	77820	4.567 ug/l	98
82) p-Isopropyltoluene	13.706	119	61858	4.288 ug/l	98
83) 1,3-Dichlorobenzene	13.717	146	33873	4.543 ug/l	96
84) 1,4-Dichlorobenzene	13.794	146	35917	4.716 ug/l	95
85) n-Butylbenzene	14.035	91	56470	4.165 ug/l	97
86) Hexachloroethane	14.311	117	13194	4.616 ug/l	98
87) 1,2-Dichlorobenzene	14.094	146	33084	4.551 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	6096	4.899 ug/l	99
89) 1,2,4-Trichlorobenzene	15.817	180	18113	4.257 ug/l	98
90) Hexachlorobutadiene	15.470	225	7223	4.707 ug/l	96
91) Naphthalene	15.617	128	61691	3.973 ug/l	98
92) 1,2,3-Trichlorobenzene	15.817	180	18113	4.257 ug/l	98

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

ICAL Form

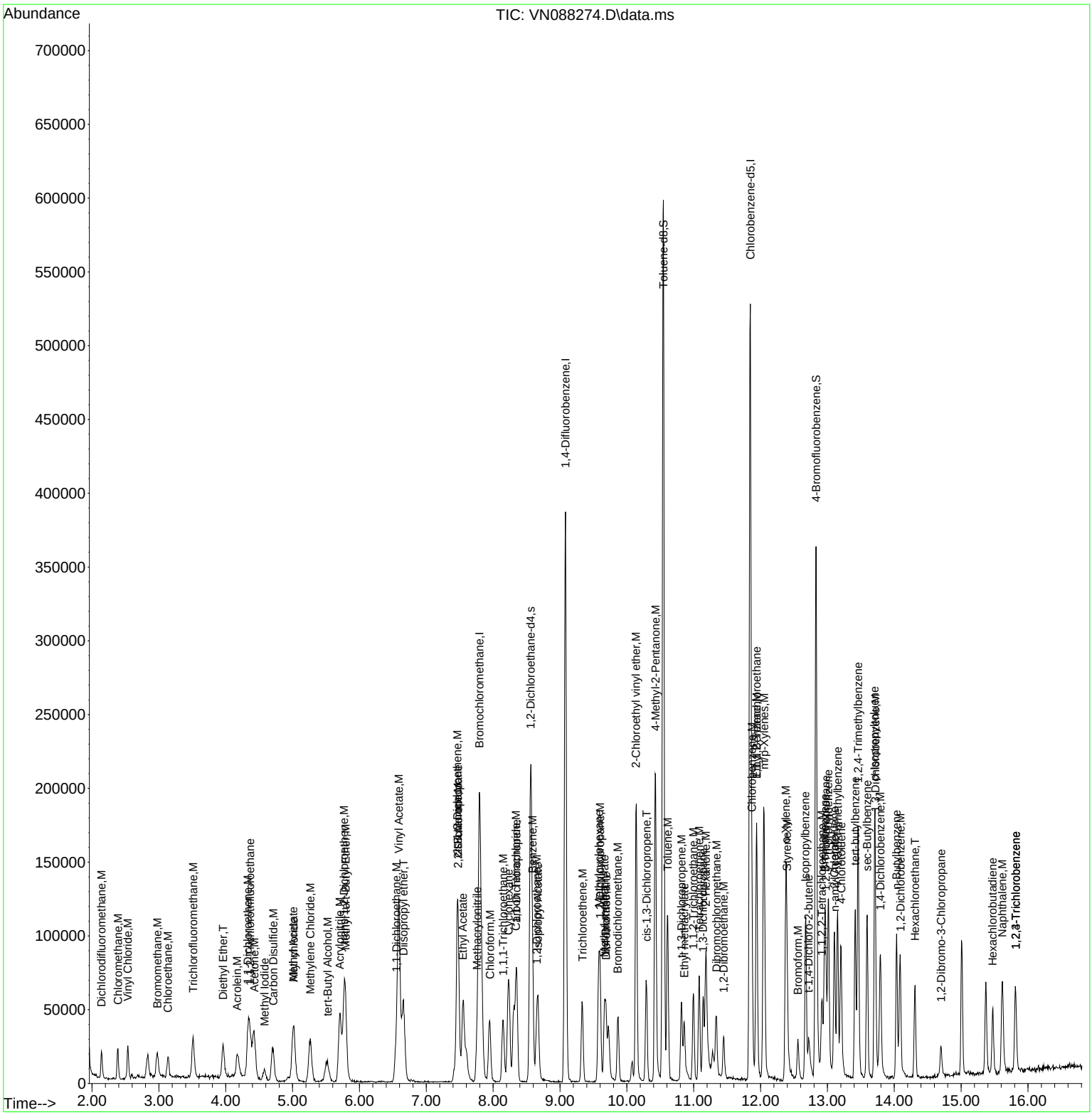
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088274.D
Acq On : 13 Nov 2025 10:14
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 14 00:31:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:31:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088275.D
Acq On : 13 Nov 2025 10:47
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 14 00:32:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:31:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	56809	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	316009	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	274966	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	155667	33.966	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 113.233%#			
60) 4-Bromofluorobenzene	12.829	95	135914	30.014	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.033%			
63) Toluene-d8	10.547	98	400066	32.118	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 107.067%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	89611	25.803	ug/l	100
3) Chloromethane	2.383	50	86783	22.710	ug/l	100
4) Vinyl Chloride	2.536	62	91378	22.923	ug/l	100
5) Bromomethane	2.983	94	45970	21.544	ug/l	100
6) Chloroethane	3.142	64	56603	21.775	ug/l	100
7) Trichlorofluoromethane	3.512	101	130333	23.708	ug/l	100
8) Diethyl Ether	3.965	74	45445	19.304	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	68173	23.278	ug/l	100
10) 1,1-Dichloroethene	4.336	96	66195	21.644	ug/l	100
11) Methyl Iodide	4.583	142	66051	22.325	ug/l	100
12) Methyl Acetate	5.018	43	102860	20.884	ug/l	100
13) Acrolein	4.183	56	67002	89.110	ug/l	100
14) Acrylonitrile	5.706	53	231708	98.836	ug/l	100
15) Acetone	4.418	58	68836	100.391	ug/l	100
16) Carbon Disulfide	4.706	76	224507	22.989	ug/l	100
17) Allyl chloride	5.018	41	124920	21.641	ug/l	100
18) Methylene Chloride	5.259	84	79465	20.618	ug/l	100
19) trans-1,2-Dichloroethene	5.783	96	77097m	21.822	ug/l	
20) Diisopropyl ether	6.653	45	264884	20.483	ug/l	100
21) 1,1-Dichloroethane	6.553	63	151801	22.101	ug/l	100
22) cis-1,2-Dichloroethene	7.471	96	85904	19.863	ug/l	100
23) tert-Butyl Alcohol	5.524	59	82461	89.862	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	251301	19.534	ug/l	100
25) Chloroform	7.947	83	146699	20.947	ug/l	100
26) Cyclohexane	8.241	56	133859	23.277	ug/l	100
29) 1,1-Dichloropropene	8.353	75	107093	22.717	ug/l	100
30) 2-Butanone	7.471	43	330360	98.988	ug/l	100
31) 2,2-Dichloropropane	7.471	77	131341	21.925	ug/l	100
32) 1,1,1-Trichloroethane	8.147	97	131366	22.498	ug/l	100
33) Carbon Tetrachloride	8.341	117	112124	22.765	ug/l	100
34) Benzene	8.588	78	314932	20.690	ug/l	100
35) Methacrylonitrile	7.765	41	68465	19.580	ug/l	100
36) 1,2-Dichloroethane	8.653	62	121133	22.449	ug/l	100
37) Trichloroethene	9.330	130	71676	20.066	ug/l	100
38) Methylcyclohexane	9.577	83	124934	21.749	ug/l	100
39) 1,2-Dichloropropane	9.600	63	79702	20.829	ug/l	100
40) Dibromomethane	9.688	93	58255	20.946	ug/l	100
41) Bromodichloromethane	9.871	83	112790	20.003	ug/l	100
42) Vinyl Acetate	6.589	43	1104913	96.320	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088275.D
Acq On : 13 Nov 2025 10:47
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 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

Quant Time: Nov 14 00:32:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:31:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.541	43	135974	20.923	ug/l	100
44) Isopropyl Acetate	8.671	43	205400	19.593	ug/l	100
45) 1,4-Dioxane	9.682	88	26417	388.772	ug/l	100
46) Methyl methacrylate	9.665	41	94347	19.858	ug/l	100
47) n-amyl Acetate	12.671	43	96079m	19.466	ug/l	
48) t-1,3-Dichloropropene	10.812	75	117823	18.989	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	128462	19.738	ug/l	100
50) 1,1,2-Trichloroethane	10.994	97	70272	19.404	ug/l	100
51) Ethyl methacrylate	10.853	69	110057	18.093	ug/l	100
52) 1,3-Dichloropropane	11.141	76	128846	20.209	ug/l	100
53) Dibromochloromethane	11.335	129	79410	18.494	ug/l	100
54) 1,2-Dibromoethane	11.447	107	71949	18.708	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	320128	97.447	ug/l	100
56) Bromoform	12.565	173	49101	17.127	ug/l	100
58) 4-Methyl-2-Pentanone	10.424	43	627464	101.601	ug/l	100
59) 2-Hexanone	11.177	43	399715	98.468	ug/l	100
61) Tetrachloroethene	11.082	164	60224	21.314	ug/l	100
62) Toluene	10.606	91	325793	20.699	ug/l	100
64) Chlorobenzene	11.871	112	195311	19.673	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.941	131	67699	19.855	ug/l	100
66) Ethyl Benzene	11.941	91	353168	20.628	ug/l	100
67) m/p-Xylenes	12.053	106	265069	40.436	ug/l	100
68) o-Xylene	12.376	106	121940	18.975	ug/l	100
69) Styrene	12.394	104	204002	19.012	ug/l	100
70) Isopropylbenzene	12.676	105	329705	20.485	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	105470	19.550	ug/l	100
72) 1,2,3-Trichloropropane	12.976	75	93353m	18.642	ug/l	
73) Bromobenzene	12.959	156	73152	19.023	ug/l	100
74) n-propylbenzene	13.012	91	409616	20.952	ug/l	100
75) 2-Chlorotoluene	13.106	91	245108	20.611	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	274988	20.196	ug/l	100
77) t-1,4-Dichloro-2-butene	12.718	75	32812	16.660	ug/l	100
78) 4-Chlorotoluene	13.200	91	249260	20.636	ug/l	100
79) tert-butylbenzene	13.412	119	233396	19.912	ug/l	100
80) 1,2,4-Trimethylbenzene	13.459	105	270223	19.918	ug/l	100
81) sec-Butylbenzene	13.594	105	351400	21.009	ug/l	100
82) p-Isopropyltoluene	13.706	119	288563	20.375	ug/l	100
83) 1,3-Dichlorobenzene	13.712	146	145695	19.906	ug/l	100
84) 1,4-Dichlorobenzene	13.788	146	143865	19.240	ug/l	100
85) n-Butylbenzene	14.035	91	281860	21.176	ug/l	100
86) Hexachloroethane	14.312	117	53696	19.135	ug/l	100
87) 1,2-Dichlorobenzene	14.082	146	136306	19.098	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.700	75	23631	19.344	ug/l	100
89) 1,2,4-Trichlorobenzene	15.812	180	73982	17.714	ug/l	100
90) Hexachlorobutadiene	15.476	225	30294	20.112	ug/l	100
91) Naphthalene	15.612	128	264153	17.329	ug/l	100
92) 1,2,3-Trichlorobenzene	15.812	180	73982	17.714	ug/l	100

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

ICAL Form

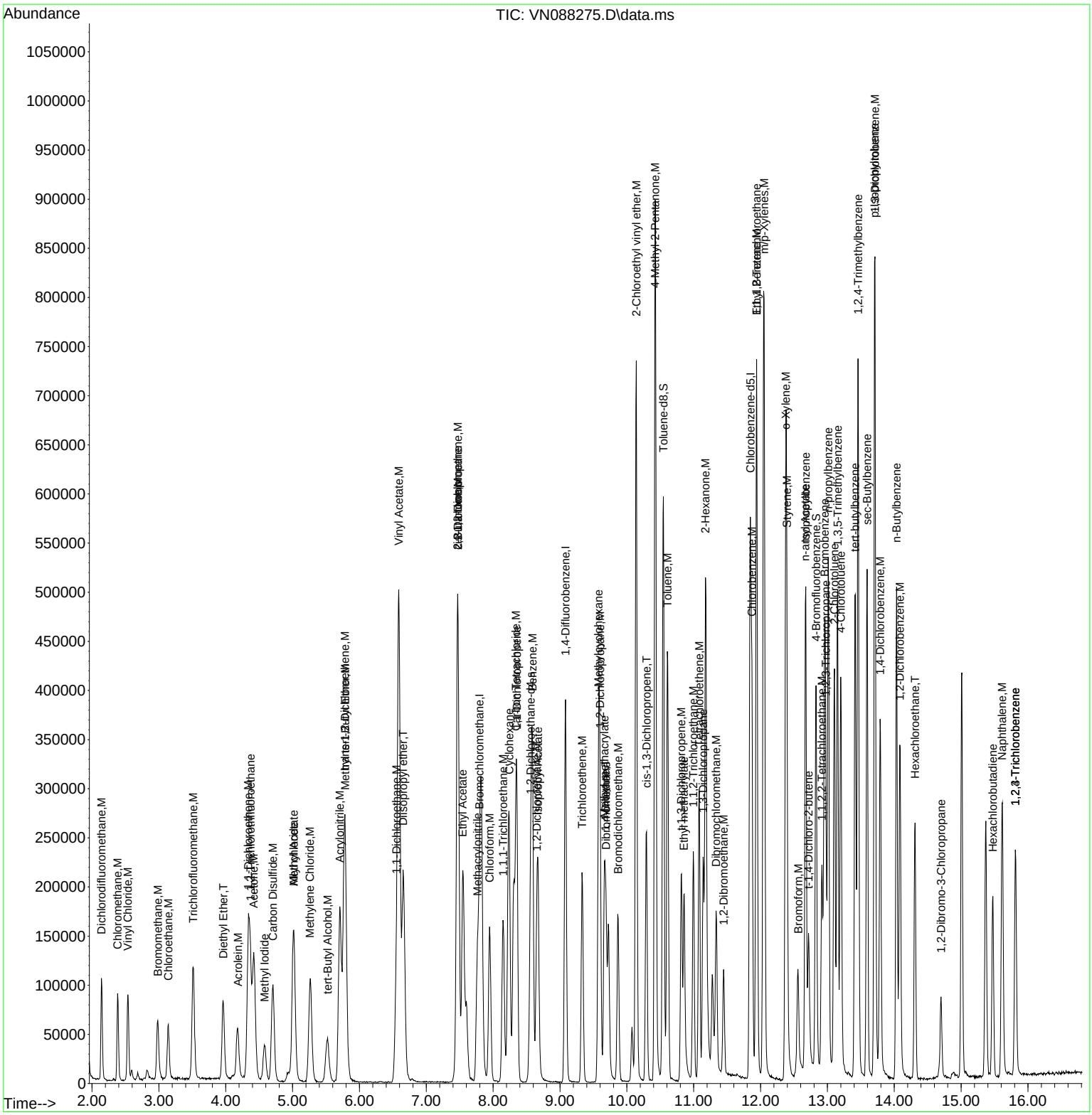
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088275.D
Acq On : 13 Nov 2025 10:47
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 14 00:32:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:31:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088276.D
Acq On : 13 Nov 2025 11:08
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

Quant Time: Nov 14 00:33:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:31:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	55911	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	311518	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	279554	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	154791	34.317	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 114.400%#			
60) 4-Bromofluorobenzene	12.829	95	143308	31.127	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.767%			
63) Toluene-d8	10.541	98	396360	31.299	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.333%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	202763	59.321	ug/l	99
3) Chloromethane	2.383	50	196949	52.368	ug/l	95
4) Vinyl Chloride	2.536	62	209252	53.337	ug/l	99
5) Bromomethane	2.977	94	107066	50.983	ug/l	93
6) Chloroethane	3.136	64	124513	48.668	ug/l	95
7) Trichlorofluoromethane	3.512	101	295192	54.558	ug/l	95
8) Diethyl Ether	3.965	74	104470	45.088	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	151998	52.734	ug/l	82
10) 1,1-Dichloroethene	4.336	96	149214	49.573	ug/l	85
11) Methyl Iodide	4.583	142	168273	57.790	ug/l	85
12) Methyl Acetate	5.018	43	238741	49.250	ug/l	93
13) Acrolein	4.177	56	164787	222.681	ug/l	96
14) Acrylonitrile	5.706	53	541419	234.654	ug/l	99
15) Acetone	4.424	58	158252	234.503	ug/l	94
16) Carbon Disulfide	4.706	76	513072	53.381	ug/l	100
17) Allyl chloride	5.012	41	293130	51.598	ug/l	96
18) Methylene Chloride	5.259	84	184772	48.711	ug/l	93
19) trans-1,2-Dichloroethene	5.777	96	172251	49.537	ug/l	98
20) Diisopropyl ether	6.659	45	597968	46.983	ug/l	97
21) 1,1-Dichloroethane	6.553	63	347380	51.389	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	199123	46.782	ug/l	98
23) tert-Butyl Alcohol	5.530	59	189443m	209.762	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	596789	47.134	ug/l	99
25) Chloroform	7.947	83	342347	49.668	ug/l	97
26) Cyclohexane	8.235	56	298210	52.690	ug/l	100
29) 1,1-Dichloropropene	8.353	75	244552	52.624	ug/l	99
30) 2-Butanone	7.471	43	776756	236.100	ug/l	99
31) 2,2-Dichloropropane	7.471	77	301771	51.101	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	300299	52.171	ug/l	99
33) Carbon Tetrachloride	8.341	117	258895	53.323	ug/l	96
34) Benzene	8.588	78	722849	48.174	ug/l	98
35) Methacrylonitrile	7.765	41	159534	46.282	ug/l	97
36) 1,2-Dichloroethane	8.653	62	283447	53.288	ug/l	100
37) Trichloroethene	9.329	130	166803	47.370	ug/l	100
38) Methylcyclohexane	9.577	83	287564	50.783	ug/l	99
39) 1,2-Dichloropropane	9.600	63	184617	48.942	ug/l	97
40) Dibromomethane	9.688	93	131620	48.007	ug/l	98
41) Bromodichloromethane	9.865	83	269136	48.418	ug/l	99
42) Vinyl Acetate	6.588	43	2683358m	237.292	ug/l	

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088276.D
Acq On : 13 Nov 2025 11:08
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 14 00:33:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:31:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43)	Ethyl Acetate	7.547	43	315737m	49.283	ug/l	
44)	Isopropyl Acetate	8.671	43	482542	46.694	ug/l	99
45)	1,4-Dioxane	9.682	88	59672	890.836	ug/l	96
46)	Methyl methacrylate	9.665	41	228386	48.764	ug/l	94
47)	n-amyl Acetate	12.500	43	236169m	48.538	ug/l	
48)	t-1,3-Dichloropropene	10.818	75	285594	46.692	ug/l	96
49)	cis-1,3-Dichloropropene	10.288	75	301442	46.984	ug/l	98
50)	1,1,2-Trichloroethane	10.994	97	165256	46.289	ug/l	95
51)	Ethyl methacrylate	10.853	69	276826	46.165	ug/l	96
52)	1,3-Dichloropropane	11.141	76	298832	47.547	ug/l	100
53)	Dibromochloromethane	11.335	129	191134	45.155	ug/l	99
54)	1,2-Dibromoethane	11.447	107	168709	44.499	ug/l	99
55)	2-Chloroethyl vinyl ether	10.141	63	732371	226.148	ug/l	98
56)	Bromoform	12.553	173	120289	42.562	ug/l	98
58)	4-Methyl-2-Pentanone	10.424	43	1495694	238.212	ug/l	100
59)	2-Hexanone	11.176	43	1024210	248.170	ug/l	100
61)	Tetrachloroethene	11.082	164	137527	47.874	ug/l	98
62)	Toluene	10.606	91	754127	47.127	ug/l	100
64)	Chlorobenzene	11.871	112	463060	45.876	ug/l	98
65)	1,1,1,2-Tetrachloroethane	11.941	131	157503	45.435	ug/l	96
66)	Ethyl Benzene	11.941	91	844642	48.524	ug/l	100
67)	m/p-Xylenes	12.047	106	639721	95.987	ug/l	100
68)	o-Xylene	12.376	106	299638	45.862	ug/l	99
69)	Styrene	12.388	104	514330	47.146	ug/l	99
70)	Isopropylbenzene	12.670	105	793307	48.480	ug/l	99
71)	1,1,2,2-Tetrachloroethane	12.918	83	252114	45.966	ug/l	99
72)	1,2,3-Trichloropropane	12.970	75	244240m	47.973	ug/l	
73)	Bromobenzene	12.959	156	179669	45.956	ug/l	99
74)	n-propylbenzene	13.012	91	991194	49.867	ug/l	100
75)	2-Chlorotoluene	13.100	91	592686	49.020	ug/l	98
76)	1,3,5-Trimethylbenzene	13.153	105	674081	48.695	ug/l	99
77)	t-1,4-Dichloro-2-butene	12.718	75	85815	42.857	ug/l	99
78)	4-Chlorotoluene	13.200	91	605977	49.346	ug/l	99
79)	tert-butylbenzene	13.412	119	576731	48.395	ug/l	99
80)	1,2,4-Trimethylbenzene	13.459	105	674243	48.884	ug/l	98
81)	sec-Butylbenzene	13.594	105	835470	49.130	ug/l	100
82)	p-Isopropyltoluene	13.706	119	704697	48.941	ug/l	98
83)	1,3-Dichlorobenzene	13.712	146	350626	47.120	ug/l	99
84)	1,4-Dichlorobenzene	13.788	146	346883	45.631	ug/l	98
85)	n-Butylbenzene	14.035	91	664503	49.104	ug/l	98
86)	Hexachloroethane	14.306	117	129811	45.501	ug/l	100
87)	1,2-Dichlorobenzene	14.082	146	324709	44.748	ug/l	97
88)	1,2-Dibromo-3-Chloropr...	14.700	75	59546	47.944	ug/l	98
89)	1,2,4-Trichlorobenzene	15.811	180	181481	42.739	ug/l	98
90)	Hexachlorobutadiene	15.476	225	72346	47.241	ug/l	95
91)	Naphthalene	15.611	128	659204	42.535	ug/l	99
92)	1,2,3-Trichlorobenzene	15.811	180	181481	42.739	ug/l	98

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

ICAL Form

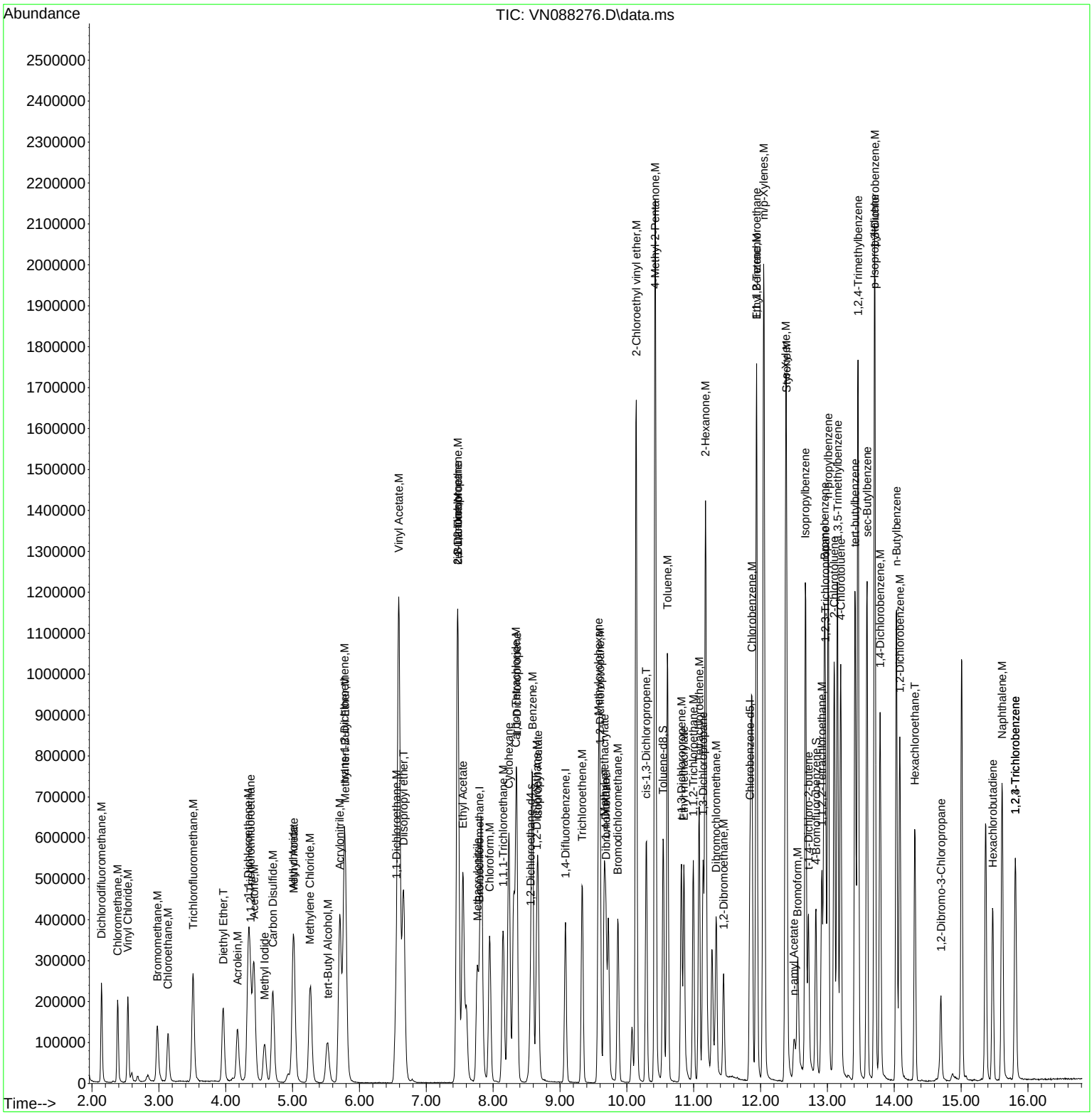
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088276.D
Acq On : 13 Nov 2025 11:08
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 14 00:33:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:31:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088277.D
Acq On : 13 Nov 2025 11:29
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 14 00:34:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:31:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	57576	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	302391	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	280939	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	158023	34.021	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 113.400%#			
60) 4-Bromofluorobenzene	12.829	95	144691	31.273	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 104.233%			
63) Toluene-d8	10.547	98	389074	30.572	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	386633	109.844	ug/l	99
3) Chloromethane	2.383	50	396903	102.483	ug/l	95
4) Vinyl Chloride	2.536	62	415782	102.915	ug/l	100
5) Bromomethane	2.965	94	234848	108.597	ug/l	94
6) Chloroethane	3.130	64	264477	100.386	ug/l	98
7) Trichlorofluoromethane	3.506	101	576793	103.522	ug/l	96
8) Diethyl Ether	3.959	74	228588	95.803	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	296955	100.046	ug/l	99
10) 1,1-Dichloroethene	4.336	96	298818	96.404	ug/l	87
11) Methyl Iodide	4.583	142	368511	122.898	ug/l	84
12) Methyl Acetate	5.018	43	510686	102.304	ug/l	93
13) Acrolein	4.177	56	382851	502.395	ug/l	100
14) Acrylonitrile	5.706	53	1164326	490.032	ug/l	99
15) Acetone	4.424	58	342742	493.199	ug/l	96
16) Carbon Disulfide	4.706	76	1008701	101.913	ug/l	99
17) Allyl chloride	5.012	41	593156	101.390	ug/l	95
18) Methylene Chloride	5.265	84	383510	98.179	ug/l	87
19) trans-1,2-Dichloroethene	5.777	96	347465	97.037	ug/l	97
20) Diisopropyl ether	6.659	45	1304925	99.564	ug/l	94
21) 1,1-Dichloroethane	6.553	63	719300	103.332	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	418959	95.583	ug/l	99
23) tert-Butyl Alcohol	5.524	59	405082	435.560	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	1291019	99.015	ug/l	99
25) Chloroform	7.947	83	720609	101.523	ug/l	98
26) Cyclohexane	8.235	56	579253	99.388	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	500890	111.037	ug/l	98
30) 2-Butanone	7.471	43	1690170	529.244	ug/l	100
31) 2,2-Dichloropropane	7.471	77	623466	108.762	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	613629	109.824	ug/l	99
33) Carbon Tetrachloride	8.347	117	515390	109.356	ug/l	99
34) Benzene	8.588	78	1510830	103.729	ug/l	99
35) Methacrylonitrile	7.759	41	357832	106.943	ug/l	96
36) 1,2-Dichloroethane	8.653	62	612885	118.700	ug/l	98
37) Trichloroethene	9.329	130	337963	98.874	ug/l	98
38) Methylcyclohexane	9.582	83	556698	101.278	ug/l	99
39) 1,2-Dichloropropane	9.600	63	394096	107.628	ug/l	93
40) Dibromomethane	9.688	93	286468	107.639	ug/l	99
41) Bromodichloromethane	9.865	83	588644	109.095	ug/l	100
42) Vinyl Acetate	6.588	43	5787487	527.240	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088277.D
Acq On : 13 Nov 2025 11:29
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 14 00:34:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:31:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.547	43	685746	110.269 ug/l	100
44) Isopropyl Acetate	8.671	43	1079569	107.619 ug/l	99
45) 1,4-Dioxane	9.682	88	125652	1932.462 ug/l #	94
46) Methyl methacrylate	9.665	41	517547	113.839 ug/l	93
47) n-amyl Acetate	12.488	43	562356m	119.065 ug/l	
48) t-1,3-Dichloropropene	10.812	75	652430	109.885 ug/l	96
49) cis-1,3-Dichloropropene	10.294	75	656345	105.389 ug/l	97
50) 1,1,2-Trichloroethane	10.994	97	355954	102.714 ug/l	96
51) Ethyl methacrylate	10.853	69	640389	110.018 ug/l	94
52) 1,3-Dichloropropane	11.141	76	652611	106.971 ug/l	99
53) Dibromochloromethane	11.335	129	425915	103.658 ug/l	99
54) 1,2-Dibromoethane	11.447	107	380679	103.438 ug/l	97
55) 2-Chloroethyl vinyl ether	10.141	63	1790152	569.464 ug/l	99
56) Bromoform	12.559	173	279810	101.994 ug/l	99
58) 4-Methyl-2-Pentanone	10.424	43	3325706	527.058 ug/l	100
59) 2-Hexanone	11.176	43	2346954	565.872 ug/l	100
61) Tetrachloroethene	11.082	164	277837	96.241 ug/l	95
62) Toluene	10.606	91	1605459	99.833 ug/l	100
64) Chlorobenzene	11.870	112	1005878	99.163 ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.941	131	344917	99.007 ug/l	96
66) Ethyl Benzene	11.941	91	1810409	103.494 ug/l	98
67) m/p-Xylenes	12.047	106	1345328	200.864 ug/l	98
68) o-Xylene	12.376	106	654049	99.614 ug/l	100
69) Styrene	12.388	104	1132505	103.300 ug/l	99
70) Isopropylbenzene	12.670	105	1699976	103.375 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	555412	100.764 ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	539279m	105.401 ug/l	
73) Bromobenzene	12.959	156	389367	99.102 ug/l	100
74) n-propylbenzene	13.012	91	2093385	104.799 ug/l	100
75) 2-Chlorotoluene	13.100	91	1279663	105.317 ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	1440376	103.538 ug/l	99
77) t-1,4-Dichloro-2-butene	12.717	75	206317	102.530 ug/l	95
78) 4-Chlorotoluene	13.200	91	1317180	106.732 ug/l	99
79) tert-butylbenzene	13.417	119	1208602	100.916 ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	1476053	106.488 ug/l	98
81) sec-Butylbenzene	13.594	105	1748566	102.318 ug/l	99
82) p-Isopropyltoluene	13.706	119	1459564	100.866 ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	751195	100.454 ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	763171	99.896 ug/l	99
85) n-Butylbenzene	14.035	91	1397544	102.763 ug/l	98
86) Hexachloroethane	14.312	117	278606	97.175 ug/l	100
87) 1,2-Dichlorobenzene	14.082	146	710660	97.453 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	132109	105.844 ug/l	98
89) 1,2,4-Trichlorobenzene	15.811	180	401343	94.051 ug/l	97
90) Hexachlorobutadiene	15.476	225	140304	91.164 ug/l	97
91) Naphthalene	15.611	128	1505179	96.642 ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	401343	94.051 ug/l	97

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

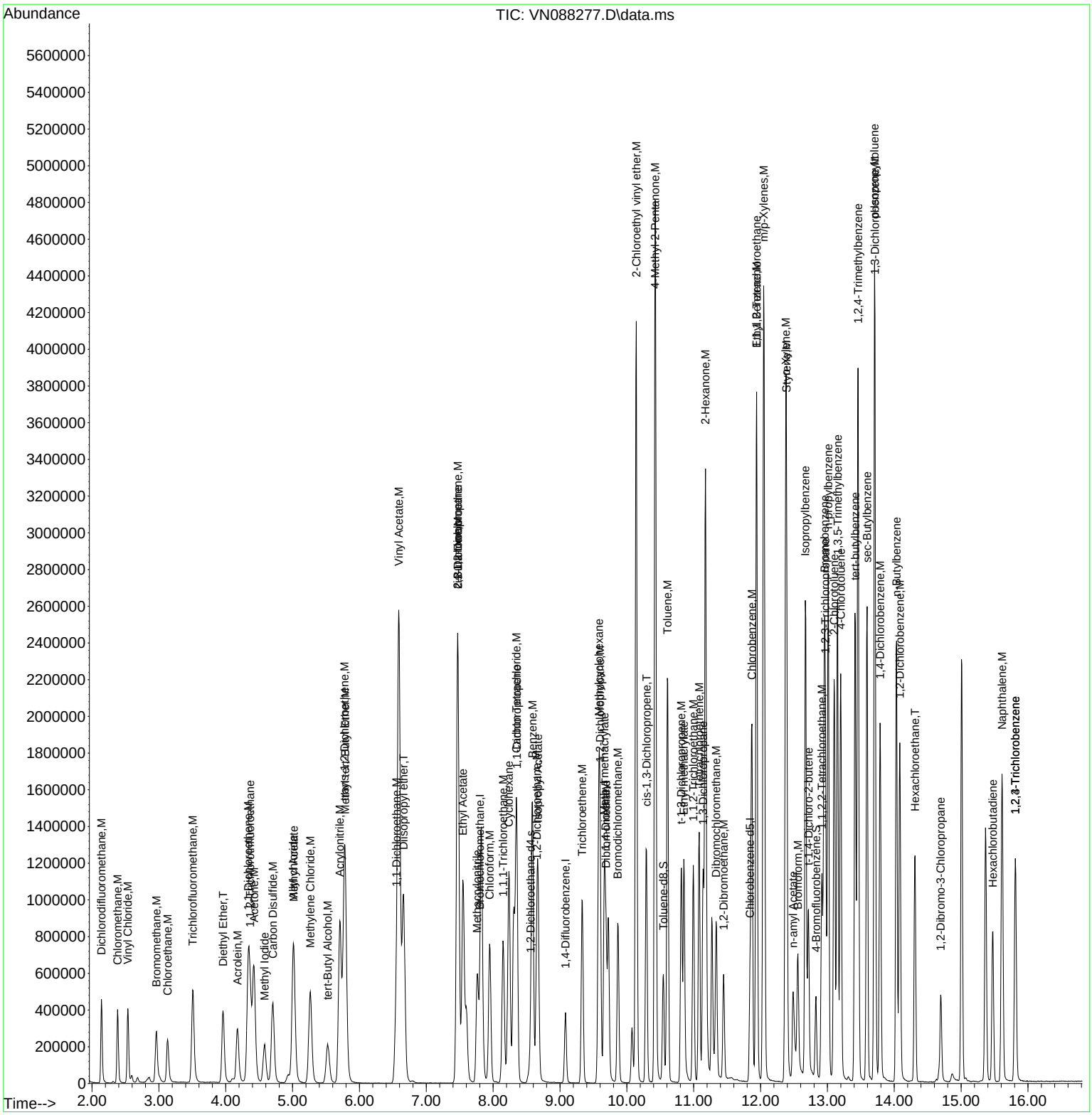
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088277.D
Acq On : 13 Nov 2025 11:29
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 14 00:34:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:31:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088278.D
Acq On : 13 Nov 2025 11:50
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 14 00:35:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:31:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	58005	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	317019	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	293637	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	157963	33.756	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 112.533%#			
60) 4-Bromofluorobenzene	12.829	95	156905	32.446	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 108.167%			
63) Toluene-d8	10.547	98	418750	31.481	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.933%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	709810	200.169	ug/l	100
3) Chloromethane	2.383	50	668367	171.300	ug/l	96
4) Vinyl Chloride	2.536	62	726496	178.493	ug/l	99
5) Bromomethane	2.953	94	375277	172.250	ug/l	91
6) Chloroethane	3.124	64	434399	163.663	ug/l	97
7) Trichlorofluoromethane	3.506	101	1038285	184.971	ug/l	95
8) Diethyl Ether	3.959	74	355635	147.948	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	547868	183.214	ug/l	97
10) 1,1-Dichloroethene	4.336	96	517537	165.732	ug/l	87
11) Methyl Iodide	4.577	142	591847	195.920	ug/l	85
12) Methyl Acetate	5.018	43	781462	155.390	ug/l	94
13) Acrolein	4.177	56	588784	766.915	ug/l	98
14) Acrylonitrile	5.712	53	1792462	748.818	ug/l	99
15) Acetone	4.424	58	534918	764.044	ug/l	91
16) Carbon Disulfide	4.700	76	1711397	171.629	ug/l	99
17) Allyl chloride	5.012	41	969891	164.560	ug/l	96
18) Methylene Chloride	5.265	84	582523	148.024	ug/l	92
19) trans-1,2-Dichloroethene	5.777	96	577960	160.214	ug/l	97
20) Diisopropyl ether	6.659	45	2113687	160.079	ug/l	95
21) 1,1-Dichloroethane	6.553	63	1155893	164.822	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	670659	151.876	ug/l	99
23) tert-Butyl Alcohol	5.530	59	625469	667.554	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	2019738	153.759	ug/l	98
25) Chloroform	7.947	83	1147984	160.537	ug/l	98
26) Cyclohexane	8.235	56	1077697	183.543	ug/l #	98
29) 1,1-Dichloropropene	8.353	75	859630	181.769	ug/l	98
30) 2-Butanone	7.471	43	2664153	795.735	ug/l	100
31) 2,2-Dichloropropane	7.471	77	1044376	173.782	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	1032260	176.224	ug/l	99
33) Carbon Tetrachloride	8.347	117	901323	182.420	ug/l	99
34) Benzene	8.588	78	2433755	159.383	ug/l	99
35) Methacrylonitrile	7.765	41	549670	156.696	ug/l	98
36) 1,2-Dichloroethane	8.653	62	946592	174.871	ug/l	98
37) Trichloroethene	9.335	130	553150	154.362	ug/l	96
38) Methylcyclohexane	9.582	83	1047944	181.852	ug/l	99
39) 1,2-Dichloropropane	9.600	63	620150	161.548	ug/l	98
40) Dibromomethane	9.688	93	445197	159.562	ug/l	100
41) Bromodichloromethane	9.871	83	931442	164.661	ug/l	99
42) Vinyl Acetate	6.588	43	8882940m	771.895	ug/l	

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088278.D
Acq On : 13 Nov 2025 11:50
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 14 00:35:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:31:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	1028651m	157.776	ug/l		
44) Isopropyl Acetate	8.671	43	1685410	160.261	ug/l		100
45) 1,4-Dioxane	9.682	88	189937	2786.344	ug/l		96
46) Methyl methacrylate	9.665	41	816245	171.256	ug/l		94
47) n-amyl Acetate	12.482	43	886019	178.936	ug/l	#	100
48) t-1,3-Dichloropropene	10.818	75	1031386	165.696	ug/l		96
49) cis-1,3-Dichloropropene	10.294	75	1045380	160.111	ug/l		99
50) 1,1,2-Trichloroethane	10.994	97	549793	151.328	ug/l		97
51) Ethyl methacrylate	10.853	69	1004034	164.532	ug/l		95
52) 1,3-Dichloropropane	11.141	76	1024092	160.116	ug/l		100
53) Dibromochloromethane	11.335	129	665870	154.580	ug/l		98
54) 1,2-Dibromoethane	11.447	107	585979	151.875	ug/l		98
55) 2-Chloroethyl vinyl ether	10.141	63	2859403	867.631	ug/l		99
56) Bromoform	12.559	173	437240	152.024	ug/l		98
58) 4-Methyl-2-Pentanone	10.423	43	5148363	780.630	ug/l		100
59) 2-Hexanone	11.176	43	3710506	855.949	ug/l		100
61) Tetrachloroethene	11.082	164	471972	156.418	ug/l		97
62) Toluene	10.606	91	2615873	155.630	ug/l		99
64) Chlorobenzene	11.870	112	1614092	152.242	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.941	131	550423	151.164	ug/l		96
66) Ethyl Benzene	11.941	91	3012482	164.765	ug/l		97
67) m/p-Xylenes	12.047	106	2231809	318.811	ug/l		98
68) o-Xylene	12.376	106	1059250	154.351	ug/l		100
69) Styrene	12.388	104	1832890	159.954	ug/l		98
70) Isopropylbenzene	12.670	105	2887068	167.970	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.917	83	864951	150.136	ug/l		99
72) 1,2,3-Trichloropropane	12.970	75	827243m	154.690	ug/l		
73) Bromobenzene	12.959	156	605473	147.441	ug/l		97
74) n-propylbenzene	13.011	91	3494880	167.395	ug/l		100
75) 2-Chlorotoluene	13.100	91	2070119	163.004	ug/l		99
76) 1,3,5-Trimethylbenzene	13.153	105	2410543	165.784	ug/l		99
77) t-1,4-Dichloro-2-butene	12.717	75	335518	159.527	ug/l		99
78) 4-Chlorotoluene	13.200	91	2139279	165.851	ug/l		100
79) tert-butylbenzene	13.417	119	2057918	164.402	ug/l		99
80) 1,2,4-Trimethylbenzene	13.459	105	2388876	164.890	ug/l		99
81) sec-Butylbenzene	13.594	105	3013988	168.738	ug/l		99
82) p-Isopropyltoluene	13.706	119	2513693	166.202	ug/l		99
83) 1,3-Dichlorobenzene	13.711	146	1197075	153.157	ug/l		98
84) 1,4-Dichlorobenzene	13.788	146	1213140	151.929	ug/l		99
85) n-Butylbenzene	14.035	91	2431132	171.034	ug/l		97
86) Hexachloroethane	14.311	117	468741	156.422	ug/l		99
87) 1,2-Dichlorobenzene	14.082	146	1121846	147.186	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	215743	165.376	ug/l		98
89) 1,2,4-Trichlorobenzene	15.811	180	662170	148.463	ug/l		98
90) Hexachlorobutadiene	15.476	225	257201	159.893	ug/l		96
91) Naphthalene	15.611	128	2454033	150.750	ug/l		100
92) 1,2,3-Trichlorobenzene	15.811	180	662170	148.463	ug/l		98

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

ICAL Form

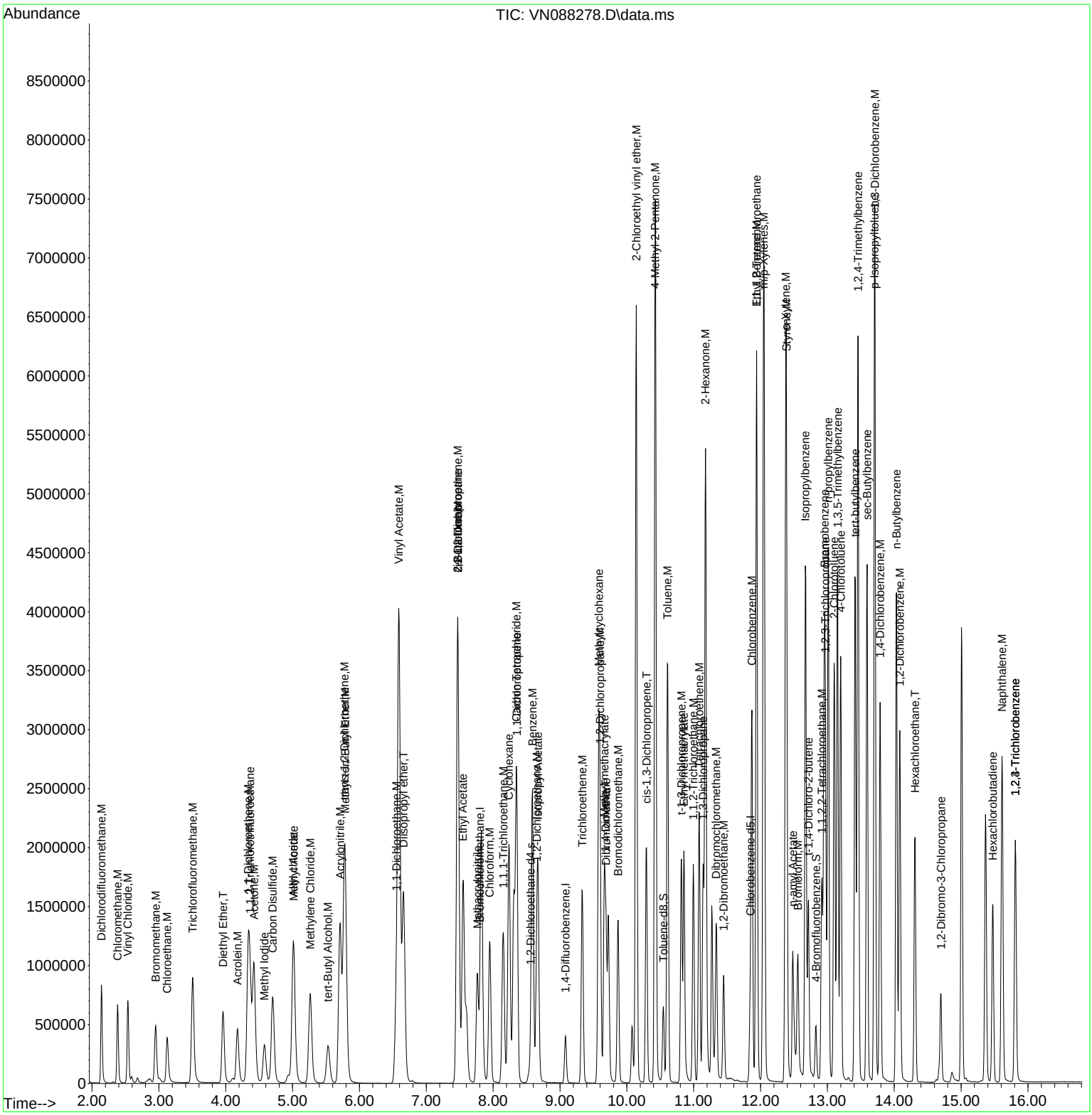
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088278.D
Acq On : 13 Nov 2025 11:50
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 14 00:35:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:31:19 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088280.D
Acq On : 13 Nov 2025 14:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111325

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

Quant Time: Nov 14 00:53:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	59836	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	314478	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	281376	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	164242	30.050	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.167%			
60) 4-Bromofluorobenzene	12.829	95	141628	29.776	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.267%			
63) Toluene-d8	10.541	98	398285	29.898	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.667%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	77036	18.315	ug/l	98
3) Chloromethane	2.383	50	86177	19.872	ug/l	98
4) Vinyl Chloride	2.536	62	84527	18.433	ug/l	98
5) Bromomethane	2.977	94	48863	19.985	ug/l	97
6) Chloroethane	3.136	64	50576	17.844	ug/l	94
7) Trichlorofluoromethane	3.512	101	110113	17.128	ug/l	100
8) Diethyl Ether	3.965	74	46163	19.212	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	57310	16.992	ug/l	79
10) 1,1-Dichloroethene	4.336	96	59274	18.015	ug/l	94
11) Methyl Iodide	4.577	142	58877	16.814	ug/l	90
12) Methyl Acetate	5.018	43	105672	19.907	ug/l	92
13) Acrolein	4.177	56	76696	98.203	ug/l	99
14) Acrylonitrile	5.706	53	236180	97.918	ug/l	98
15) Acetone	4.424	58	63872	90.552	ug/l	96
16) Carbon Disulfide	4.706	76	208629	18.801	ug/l	99
17) Allyl chloride	5.006	41	118554	18.542	ug/l	96
18) Methylene Chloride	5.271	84	79620m	19.468	ug/l	
19) trans-1,2-Dichloroethene	5.771	96	71896	18.765	ug/l	89
20) Diisopropyl ether	6.659	45	256681	18.786	ug/l	96
21) 1,1-Dichloroethane	6.553	63	143051	18.584	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	84864	19.057	ug/l	97
23) tert-Butyl Alcohol	5.524	59	86459	97.482	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	257315	19.396	ug/l	100
25) Chloroform	7.953	83	142847	18.728	ug/l	98
26) Cyclohexane	8.235	56	106714	16.413	ug/l #	98
29) 1,1-Dichloropropene	8.347	75	96367	18.365	ug/l	99
30) 2-Butanone	7.471	43	327303	96.429	ug/l	98
31) 2,2-Dichloropropane	7.471	77	112256	17.345	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	119999	18.551	ug/l	98
33) Carbon Tetrachloride	8.341	117	97677	17.683	ug/l	98
34) Benzene	8.582	78	299669	19.106	ug/l #	93
35) Methacrylonitrile	7.759	41	69495	19.629	ug/l	94
36) 1,2-Dichloroethane	8.653	62	120013	19.661	ug/l	98
37) Trichloroethene	9.329	130	64617	18.180	ug/l	98
38) Methylcyclohexane	9.582	83	99896	16.606	ug/l	99
39) 1,2-Dichloropropane	9.600	63	78870	19.491	ug/l	90
40) Dibromomethane	9.688	93	56759	19.523	ug/l	99
41) Bromodichloromethane	9.865	83	116210	19.856	ug/l	99
42) Vinyl Acetate	6.588	43	1092816	96.465	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088280.D
Acq On : 13 Nov 2025 14:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 14 00:53:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111325

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.547	43	134361	19.674 ug/l	96
44) Isopropyl Acetate	8.671	43	208844	19.843 ug/l	99
45) 1,4-Dioxane	9.676	88	29023	457.924 ug/l	94
46) Methyl methacrylate	9.659	41	90781	18.433 ug/l	96
47) n-amyl Acetate	12.688	43	103680m	19.440 ug/l	
48) t-1,3-Dichloropropene	10.812	75	116148	18.554 ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	122990	18.883 ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	71176	19.799 ug/l	94
51) Ethyl methacrylate	10.853	69	111049	18.775 ug/l	98
52) 1,3-Dichloropropane	11.141	76	127801	19.520 ug/l	99
53) Dibromochloromethane	11.341	129	80293	19.444 ug/l	98
54) 1,2-Dibromoethane	11.447	107	72030	19.284 ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	344568	101.131 ug/l	99
56) Bromoform	12.559	173	48800	18.671 ug/l	99
58) 4-Methyl-2-Pentanone	10.423	43	643377	101.096 ug/l	99
59) 2-Hexanone	11.176	43	393465	93.108 ug/l	100
61) Tetrachloroethene	11.082	164	54040	18.628 ug/l	94
62) Toluene	10.612	91	313035	19.386 ug/l	98
64) Chlorobenzene	11.870	112	191339	19.133 ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.941	131	66791	19.513 ug/l	96
66) Ethyl Benzene	11.941	91	332207	18.667 ug/l	98
67) m/p-Xylenes	12.053	106	248347	37.317 ug/l	99
68) o-Xylene	12.376	106	119521	19.038 ug/l	98
69) Styrene	12.394	104	195500	18.335 ug/l	99
70) Isopropylbenzene	12.676	105	294499	17.700 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	101792	18.887 ug/l	98
72) 1,2,3-Trichloropropane	12.976	75	109453m	20.963 ug/l	
73) Bromobenzene	12.959	156	72384	19.271 ug/l	96
74) n-propylbenzene	13.012	91	372792	18.105 ug/l	100
75) 2-Chlorotoluene	13.106	91	227167	18.144 ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	251921	18.038 ug/l	98
77) t-1,4-Dichloro-2-butene	12.723	75	31173	17.386 ug/l	89
78) 4-Chlorotoluene	13.200	91	235228	18.540 ug/l	98
79) tert-butylbenzene	13.417	119	212022	17.732 ug/l	100
80) 1,2,4-Trimethylbenzene	13.459	105	252748	18.199 ug/l	98
81) sec-Butylbenzene	13.594	105	303762	17.417 ug/l	99
82) p-Isopropyltoluene	13.706	119	250478	17.381 ug/l	98
83) 1,3-Dichlorobenzene	13.711	146	133127	18.242 ug/l	98
84) 1,4-Dichlorobenzene	13.794	146	138360	18.721 ug/l	99
85) n-Butylbenzene	14.035	91	237919	17.323 ug/l	98
86) Hexachloroethane	14.311	117	48251	17.487 ug/l	97
87) 1,2-Dichlorobenzene	14.088	146	132768	19.274 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	24904	19.659 ug/l	95
89) 1,2,4-Trichlorobenzene	15.817	180	71398	18.470 ug/l	97
90) Hexachlorobutadiene	15.476	225	26997	17.984 ug/l	94
91) Naphthalene	15.617	128	257726	18.427 ug/l	99
92) 1,2,3-Trichlorobenzene	15.817	180	71398	18.470 ug/l	97

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

ICAL Form

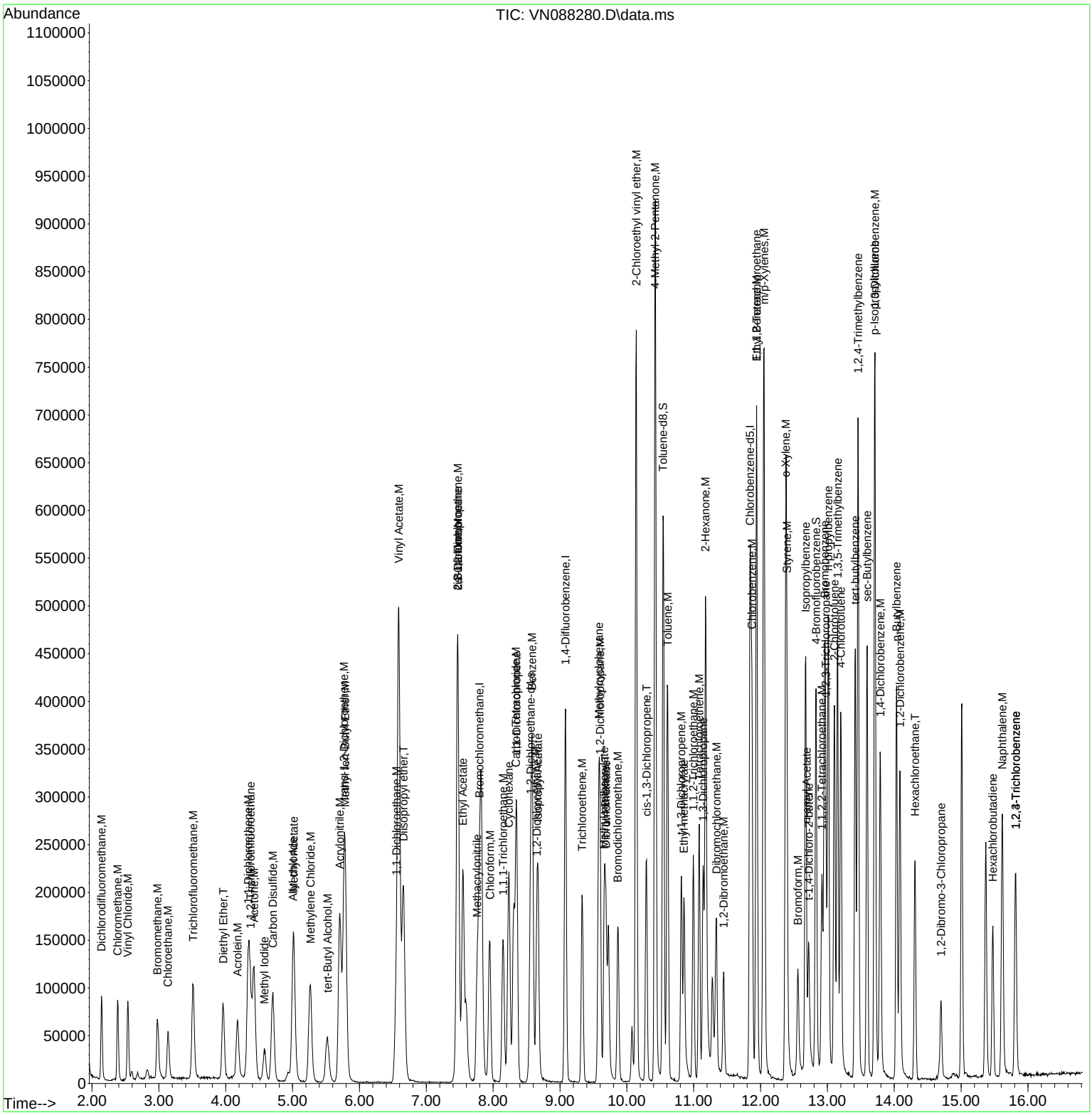
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088280.D
Acq On : 13 Nov 2025 14:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 14 00:53:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111325

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Semsettin Yesilyurt 11/14/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088280.D
Acq On : 13 Nov 2025 14:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111325

Quant Time: Nov 14 00:53:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 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	105	0.00
2	M	Dichlorodifluoromethane	2.109	1.931	8.4	86	0.00
3	M	Chloromethane	2.174	2.160	0.6	99	0.00
4	M	Vinyl Chloride	2.299	2.119	7.8	93	0.00
5	M	Bromomethane	1.226	1.225	0.1	106	0.00
6	M	Chloroethane	1.421	1.268	10.8	89	0.00
7	M	Trichlorofluoromethane	3.223	2.760	14.4	84	0.00
8	T	Diethyl Ether	1.205	1.157	4.0	102	0.00
9		1,1,2-Trichlorotrifluoroeth	1.691	1.437	15.0	84	0.00
10	M	1,1-Dichloroethene	1.650	1.486	9.9	90	0.00
11		Methyl Iodide	1.756	1.476	15.9	89	0.00
12		Methyl Acetate	2.661	2.649	0.5	103	0.00
13	M	Acrolein	0.392	0.385	1.8	114	0.00
14	M	Acrylonitrile	1.209	1.184	2.1	102	0.00
15	M	Acetone	0.354	0.320	9.6	93	0.00
16	M	Carbon Disulfide	5.564	5.230	6.0	93	0.00
17		Allyl chloride	3.206	2.972	7.3	95	-0.01
18	M	Methylene Chloride	2.050	1.996	2.6	100	0.01
19	M	trans-1,2-Dichloroethene	1.921	1.802	6.2	93	-0.01
20	T	Diisopropyl ether	6.850	6.435	6.1	97	0.00
21	M	1,1-Dichloroethane	3.859	3.586	7.1	94	0.00
22	M	cis-1,2-Dichloroethene	2.233	2.127	4.7	99	0.00
23	M	tert-Butyl Alcohol	0.445	0.433	2.7	105	0.00
24	M	Methyl tert-Butyl Ether	6.651	6.451	3.0	102	0.00
25	M	Chloroform	3.824	3.581	6.4	97	0.00
26		Cyclohexane	3.260	2.675	17.9	80	0.00
27	s	1,2-Dichloroethane-d4	2.740	2.745	-0.2	106	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
29		1,1-Dichloropropene	0.501	0.460	8.2	90	0.00
30	M	2-Butanone	0.324	0.312	3.7	99	0.00
31		2,2-Dichloropropane	0.617	0.535	13.3	85	0.00
32	M	1,1,1-Trichloroethane	0.617	0.572	7.3	91	0.00
33	M	Carbon Tetrachloride	0.527	0.466	11.6	87	0.00
34	M	Benzene	1.496	1.429	4.5	95	0.00
35		Methacrylonitrile	0.338	0.331	2.1	102	0.00
36	M	1,2-Dichloroethane	0.582	0.572	1.7	99	0.00
37	M	Trichloroethene	0.339	0.308	9.1	90	0.00
38		Methylcyclohexane	0.574	0.476	17.1	80	0.00
39	M	1,2-Dichloropropane	0.386	0.376	2.6	99	0.00
40		Dibromomethane	0.277	0.271	2.2	97	0.00
41	M	Bromodichloromethane	0.558	0.554	0.7	103	0.00
42	M	Vinyl Acetate	1.081	1.043	3.5	99	0.00
43		Ethyl Acetate	0.651	0.641	1.5	99	0.00
44		Isopropyl Acetate	1.004	0.996	0.8	102	0.00
45	T	1,4-Dioxane	0.006	0.007	-16.7	110	0.00
46		Methyl methacrylate	0.470	0.433	7.9	96	0.00
47		n-amyl Acetate	0.509	0.495	2.8	108	0.02
48	M	t-1,3-Dichloropropene	0.597	0.554	7.2	99	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088280.D
Acq On : 13 Nov 2025 14:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111325

Quant Time: Nov 14 00:53:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 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	0.621	0.587	5.5	96	0.00
50	M	1,1,2-Trichloroethane	0.343	0.339	1.2	101	0.00
51		Ethyl methacrylate	0.564	0.530	6.0	101	0.00
52		1,3-Dichloropropane	0.625	0.610	2.4	99	0.00
53	M	Dibromochloromethane	0.394	0.383	2.8	101	0.00
54	M	1,2-Dibromoethane	0.356	0.344	3.4	100	0.00
55	M	2-Chloroethyl vinyl ether	0.325	0.329	-1.2	108	0.00
56	M	Bromoform	0.249	0.233	6.4	99	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
58	M	4-Methyl-2-Pentanone	0.679	0.686	-1.0	103	0.00
59	M	2-Hexanone	0.451	0.420	6.9	98	0.00
60	S	4-Bromofluorobenzene	0.507	0.503	0.8	104	0.00
61	M	Tetrachloroethene	0.309	0.288	6.8	90	0.00
62	M	Toluene	1.722	1.669	3.1	96	0.00
63	S	Toluene-d8	1.420	1.415	0.4	100	0.00
64	M	Chlorobenzene	1.066	1.020	4.3	98	0.00
65		1,1,1,2-Tetrachloroethane	0.365	0.356	2.5	99	0.00
66	M	Ethyl Benzene	1.897	1.771	6.6	94	0.00
67	M	m/p-Xylenes	0.710	0.662	6.8	94	0.00
68	M	o-Xylene	0.669	0.637	4.8	98	0.00
69	M	Styrene	1.137	1.042	8.4	96	0.00
70		Isopropylbenzene	1.774	1.570	11.5	89	0.00
71	M	1,1,2,2-Tetrachloroethane	0.575	0.543	5.6	97	0.00
72		1,2,3-Trichloropropane	0.557	0.583	-4.7	117	0.00
73		Bromobenzene	0.400	0.386	3.5	99	0.00
74		n-propylbenzene	2.195	1.987	9.5	91	0.00
75		2-Chlorotoluene	1.335	1.211	9.3	93	0.00
76		1,3,5-Trimethylbenzene	1.489	1.343	9.8	92	0.00
77		t-1,4-Dichloro-2-butene	0.191	0.166	13.1	95	0.00
78		4-Chlorotoluene	1.353	1.254	7.3	94	0.00
79		tert-butylbenzene	1.275	1.130	11.4	91	0.00
80		1,2,4-Trimethylbenzene	1.481	1.347	9.0	94	0.00
81		sec-Butylbenzene	1.859	1.619	12.9	86	0.00
82		p-Isopropyltoluene	1.536	1.335	13.1	87	0.00
83	M	1,3-Dichlorobenzene	0.778	0.710	8.7	91	0.00
84	M	1,4-Dichlorobenzene	0.788	0.738	6.3	96	0.00
85		n-Butylbenzene	1.464	1.268	13.4	84	0.00
86	T	Hexachloroethane	0.294	0.257	12.6	90	0.00
87	M	1,2-Dichlorobenzene	0.734	0.708	3.5	97	0.00
88		1,2-Dibromo-3-Chloropropane	0.135	0.133	1.5	105	0.00
89		1,2,4-Trichlorobenzene	0.412	0.381	7.5	97	0.00
90		Hexachlorobutadiene	0.160	0.144	10.0	89	0.00
91	M	Naphthalene	1.491	1.374	7.8	98	0.00
92		1,2,3-Trichlorobenzene	0.412	0.381	7.5	97	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\VN111325\
Data File : VN088280.D
Acq On : 13 Nov 2025 14:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111325

Quant Time: Nov 14 00:53:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 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	105	0.00
2	M	Dichlorodifluoromethane	20.000	18.315	8.4	86	0.00
3	M	Chloromethane	20.000	19.872	0.6	99	0.00
4	M	Vinyl Chloride	20.000	18.433	7.8	93	0.00
5	M	Bromomethane	20.000	19.985	0.1	106	0.00
6	M	Chloroethane	20.000	17.844	10.8	89	0.00
7	M	Trichlorofluoromethane	20.000	17.128	14.4	84	0.00
8	T	Diethyl Ether	20.000	19.212	3.9	102	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	16.992	15.0	84	0.00
10	M	1,1-Dichloroethene	20.000	18.015	9.9	90	0.00
11		Methyl Iodide	20.000	16.814	15.9	89	0.00
12		Methyl Acetate	20.000	19.907	0.5	103	0.00
13	M	Acrolein	100.000	98.203	1.8	114	0.00
14	M	Acrylonitrile	100.000	97.918	2.1	102	0.00
15	M	Acetone	100.000	90.552	9.4	93	0.00
16	M	Carbon Disulfide	20.000	18.801	6.0	93	0.00
17		Allyl chloride	20.000	18.542	7.3	95	-0.01
18	M	Methylene Chloride	20.000	19.468	2.7	100	0.01
19	M	trans-1,2-Dichloroethene	20.000	18.765	6.2	93	-0.01
20	T	Diisopropyl ether	20.000	18.786	6.1	97	0.00
21	M	1,1-Dichloroethane	20.000	18.584	7.1	94	0.00
22	M	cis-1,2-Dichloroethene	20.000	19.057	4.7	99	0.00
23	M	tert-Butyl Alcohol	100.000	97.482	2.5	105	0.00
24	M	Methyl tert-Butyl Ether	20.000	19.396	3.0	102	0.00
25	M	Chloroform	20.000	18.728	6.4	97	0.00
26		Cyclohexane	20.000	16.413	17.9	80	0.00
27	s	1,2-Dichloroethane-d4	30.000	30.050	-0.2	106	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	100	0.00
29		1,1-Dichloropropene	20.000	18.365	8.2	90	0.00
30	M	2-Butanone	100.000	96.429	3.6	99	0.00
31		2,2-Dichloropropane	20.000	17.345	13.3	85	0.00
32	M	1,1,1-Trichloroethane	20.000	18.551	7.2	91	0.00
33	M	Carbon Tetrachloride	20.000	17.683	11.6	87	0.00
34	M	Benzene	20.000	19.106	4.5	95	0.00
35		Methacrylonitrile	20.000	19.629	1.9	102	0.00
36	M	1,2-Dichloroethane	20.000	19.661	1.7	99	0.00
37	M	Trichloroethene	20.000	18.180	9.1	90	0.00
38		Methylcyclohexane	20.000	16.606	17.0	80	0.00
39	M	1,2-Dichloropropane	20.000	19.491	2.5	99	0.00
40		Dibromomethane	20.000	19.523	2.4	97	0.00
41	M	Bromodichloromethane	20.000	19.856	0.7	103	0.00
42	M	Vinyl Acetate	100.000	96.465	3.5	99	0.00
43		Ethyl Acetate	20.000	19.674	1.6	99	0.00
44		Isopropyl Acetate	20.000	19.843	0.8	102	0.00
45	T	1,4-Dioxane	400.000	457.924	-14.5	110	0.00
46		Methyl methacrylate	20.000	18.433	7.8	96	0.00
47		n-amyl Acetate	20.000	19.440	2.8	108	0.02
48	M	t-1,3-Dichloropropene	20.000	18.554	7.2	99	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088280.D
Acq On : 13 Nov 2025 14:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN111325

Quant Time: Nov 14 00:53:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 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	18.883	5.6	96	0.00
50	M	1,1,2-Trichloroethane	20.000	19.799	1.0	101	0.00
51		Ethyl methacrylate	20.000	18.775	6.1	101	0.00
52		1,3-Dichloropropane	20.000	19.520	2.4	99	0.00
53	M	Dibromochloromethane	20.000	19.444	2.8	101	0.00
54	M	1,2-Dibromoethane	20.000	19.284	3.6	100	0.00
55	M	2-Chloroethyl vinyl ether	100.000	101.131	-1.1	108	0.00
56	M	Bromoform	20.000	18.671	6.6	99	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	102	0.00
58	M	4-Methyl-2-Pentanone	100.000	101.096	-1.1	103	0.00
59	M	2-Hexanone	100.000	93.108	6.9	98	0.00
60	S	4-Bromofluorobenzene	30.000	29.776	0.7	104	0.00
61	M	Tetrachloroethene	20.000	18.628	6.9	90	0.00
62	M	Toluene	20.000	19.386	3.1	96	0.00
63	S	Toluene-d8	30.000	29.898	0.3	100	0.00
64	M	Chlorobenzene	20.000	19.133	4.3	98	0.00
65		1,1,1,2-Tetrachloroethane	20.000	19.513	2.4	99	0.00
66	M	Ethyl Benzene	20.000	18.667	6.7	94	0.00
67	M	m/p-Xylenes	40.000	37.317	6.7	94	0.00
68	M	o-Xylene	20.000	19.038	4.8	98	0.00
69	M	Styrene	20.000	18.335	8.3	96	0.00
70		Isopropylbenzene	20.000	17.700	11.5	89	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	18.887	5.6	97	0.00
72		1,2,3-Trichloropropane	20.000	20.963	-4.8	117	0.00
73		Bromobenzene	20.000	19.271	3.6	99	0.00
74		n-propylbenzene	20.000	18.105	9.5	91	0.00
75		2-Chlorotoluene	20.000	18.144	9.3	93	0.00
76		1,3,5-Trimethylbenzene	20.000	18.038	9.8	92	0.00
77		t-1,4-Dichloro-2-butene	20.000	17.386	13.1	95	0.00
78		4-Chlorotoluene	20.000	18.540	7.3	94	0.00
79		tert-butylbenzene	20.000	17.732	11.3	91	0.00
80		1,2,4-Trimethylbenzene	20.000	18.199	9.0	94	0.00
81		sec-Butylbenzene	20.000	17.417	12.9	86	0.00
82		p-Isopropyltoluene	20.000	17.381	13.1	87	0.00
83	M	1,3-Dichlorobenzene	20.000	18.242	8.8	91	0.00
84	M	1,4-Dichlorobenzene	20.000	18.721	6.4	96	0.00
85		n-Butylbenzene	20.000	17.323	13.4	84	0.00
86	T	Hexachloroethane	20.000	17.487	12.6	90	0.00
87	M	1,2-Dichlorobenzene	20.000	19.274	3.6	97	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	19.659	1.7	105	0.00
89		1,2,4-Trichlorobenzene	20.000	18.470	7.7	97	0.00
90		Hexachlorobutadiene	20.000	17.984	10.1	89	0.00
91	M	Naphthalene	20.000	18.427	7.9	98	0.00
92		1,2,3-Trichlorobenzene	20.000	18.470	7.7	97	0.00

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

Raw Data: **VN088353.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	ARDM01
Lab Code:	ACE	SDG No.:	Q3700
Instrument ID:	MSVOA_N	Calibration Date/Time:	11/25/2025 11:03
Lab File ID:	VN088353.D	Init. Calib. Date(s):	11/13/2025 11/13/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	10:14 11:50

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Chloromethane	2.174	2.232		2.67	
Vinyl Chloride	2.299	2.254	0.1	-1.96	
Bromomethane	1.226	1.093	0.1	-10.85	
Chloroethane	1.421	1.384		-2.6	
Trichlorofluoromethane	3.223	3.191		-0.99	
1,1-Dichloroethene	1.650	1.634	0.1	-0.97	
Acrolein	0.392	0.620		58.16	
Acrylonitrile	1.209	1.180		-2.4	
Methylene Chloride	2.050	2.016		-1.66	
trans-1,2-Dichloroethene	1.921	1.870		-2.65	
1,1-Dichloroethane	3.859	3.714	0.2	-3.76	
Carbon Tetrachloride	0.527	0.512	0.1	-2.85	
Chloroform	3.824	3.782	0.2	-1.1	
1,1,1-Trichloroethane	0.617	0.634	0.1	2.76	
Benzene	1.496	1.546	0.5	3.34	
1,2-Dichloroethane	0.582	0.583	0.1	0.17	
Trichloroethene	0.339	0.362	0.3	6.78	
1,2-Dichloropropane	0.386	0.401		3.89	
Bromodichloromethane	0.558	0.561	0.2	0.54	
Toluene	1.722	1.798	0.4	4.41	
t-1,3-Dichloropropene	0.597	0.568	0.1	-4.86	
cis-1,3-Dichloropropene	0.621	0.637	0.2	2.58	
1,1,2-Trichloroethane	0.343	0.359	0.1	4.66	
2-Chloroethyl vinyl ether	0.325	0.315		-3.08	
Dibromochloromethane	0.394	0.402	0.1	2.03	
Tetrachloroethene	0.309	0.382	0.2	23.63	
Chlorobenzene	1.066	1.064	0.5	-0.19	
Ethyl Benzene	1.897	1.868	0.1	-1.53	
m/p-Xylenes	0.710	0.713	0.3	0.42	
o-Xylene	0.669	0.664	0.3	-0.75	
Bromoform	0.249	0.243	0.1	-2.41	
1,1,2,2-Tetrachloroethane	0.575	0.540	0.3	-6.09	
1,3-Dichlorobenzene	0.778	0.775	0.2	-0.39	
1,4-Dichlorobenzene	0.788	0.764	0.2	-3.05	
1,2-Dichlorobenzene	0.734	0.709	0.2	-3.41	
1,2-Dichloroethane-d4	2.740	2.594	0.01	-5.33	
Toluene-d8	1.420	1.450	0.01	2.11	
4-Bromofluorobenzene	0.507	0.480	0.2	-5.32	

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VN088353.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088353.D
Acq On : 25 Nov 2025 11:03
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 26 00:16:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone
11/26/2025
Supervised By :Mahesh Dadoda
11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	57986	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	299947	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	269125	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	150428	28.400	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 94.667%			
60) 4-Bromofluorobenzene	12.829	95	129068	28.370	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.567%			
63) Toluene-d8	10.547	98	390224	30.627	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	81330	19.953	ug/l	98
3) Chloromethane	2.383	50	86295	20.534	ug/l	97
4) Vinyl Chloride	2.536	62	87137	19.609	ug/l	100
5) Bromomethane	2.983	94	42242	17.828	ug/l	88
6) Chloroethane	3.142	64	53516	19.484	ug/l	97
7) Trichlorofluoromethane	3.512	101	123354	19.800	ug/l	91
8) Diethyl Ether	3.965	74	43861	18.836	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	63389	19.395	ug/l	81
10) 1,1-Dichloroethene	4.336	96	63178	19.814	ug/l	87
11) Methyl Iodide	4.583	142	57651	16.990	ug/l	88
12) Methyl Acetate	5.012	43	108311	21.055	ug/l	91
13) Acrolein	4.171	56	119806	158.297	ug/l	96
14) Acrylonitrile	5.706	53	228075	97.574	ug/l	100
15) Acetone	4.424	58	50525	73.915	ug/l	97
16) Carbon Disulfide	4.706	76	207603	19.305	ug/l	98
17) Allyl chloride	5.012	41	109044	17.598	ug/l	96
18) Methylene Chloride	5.277	84	77920m	19.660	ug/l	
19) trans-1,2-Dichloroethene	5.777	96	72280	19.467	ug/l	96
20) Diisopropyl ether	6.653	45	260950	19.708	ug/l	100
21) 1,1-Dichloroethane	6.553	63	143555	19.244	ug/l	97
22) cis-1,2-Dichloroethene	7.465	96	83004	19.234	ug/l	96
23) tert-Butyl Alcohol	5.518	59	78340	91.146	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	239986	18.667	ug/l	100
25) Chloroform	7.953	83	146184	19.777	ug/l	98
26) Cyclohexane	8.235	56	119223	18.921	ug/l #	94
29) 1,1-Dichloropropene	8.353	75	100443	20.069	ug/l	99
30) 2-Butanone	7.471	43	297757	91.975	ug/l	99
31) 2,2-Dichloropropane	7.477	77	119813	19.410	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	126795	20.552	ug/l	98
33) Carbon Tetrachloride	8.341	117	102288	19.415	ug/l	96
34) Benzene	8.588	78	309055	20.659	ug/l	97
35) Methacrylonitrile	7.765	41	66069	19.565	ug/l	96
36) 1,2-Dichloroethane	8.653	62	116495	20.010	ug/l	99
37) Trichloroethene	9.335	130	72307	21.329	ug/l	97
38) Methylcyclohexane	9.582	83	108423	18.896	ug/l	99
39) 1,2-Dichloropropane	9.606	63	80167	20.771	ug/l	90
40) Dibromomethane	9.688	93	56332	20.314	ug/l	97
41) Bromodichloromethane	9.871	83	112188	20.097	ug/l	97
42) Vinyl Acetate	6.588	43	1050214	97.196	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088353.D
Acq On : 25 Nov 2025 11:03
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 26 00:16:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone

11/26/2025
Supervised By :Mahesh Dadoda

11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	137168	21.058	ug/l	97
44) Isopropyl Acetate	8.671	43	201916	20.114	ug/l	98
45) 1,4-Dioxane	9.682	88	22935	379.398	ug/l	93
46) Methyl methacrylate	9.665	41	90614	19.290	ug/l	89
47) n-amyl Acetate	12.682	43	82566m	16.231	ug/l	
48) t-1,3-Dichloropropene	10.818	75	113648	19.034	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	127323	20.495	ug/l	97
50) 1,1,2-Trichloroethane	10.994	97	71796	20.939	ug/l	93
51) Ethyl methacrylate	10.859	69	107871	19.121	ug/l	99
52) 1,3-Dichloropropane	11.141	76	123799	19.825	ug/l	96
53) Dibromochloromethane	11.341	129	80423	20.419	ug/l	99
54) 1,2-Dibromoethane	11.447	107	71741	20.137	ug/l	97
55) 2-Chloroethyl vinyl ether	10.141	63	315309	97.027	ug/l	99
56) Bromoform	12.559	173	48634	19.508	ug/l	98
58) 4-Methyl-2-Pentanone	10.423	43	642730	105.592	ug/l	100
59) 2-Hexanone	11.182	43	391928	96.966	ug/l	99
61) Tetrachloroethene	11.082	164	68500	24.687	ug/l	93
62) Toluene	10.606	91	322655	20.892	ug/l	97
64) Chlorobenzene	11.870	112	190883	19.956	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.935	131	65001	19.855	ug/l	95
66) Ethyl Benzene	11.941	91	335239	19.695	ug/l	99
67) m/p-Xylenes	12.053	106	255824	40.190	ug/l	100
68) o-Xylene	12.376	106	119215	19.853	ug/l	95
69) Styrene	12.394	104	196457	19.263	ug/l	100
70) Isopropylbenzene	12.676	105	307298	19.311	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	96950	18.808	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	92588m	18.540	ug/l	
73) Bromobenzene	12.959	156	71912	20.017	ug/l	96
74) n-propylbenzene	13.011	91	386973	19.650	ug/l	100
75) 2-Chlorotoluene	13.100	91	224405	18.739	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	256084	19.171	ug/l	98
77) t-1,4-Dichloro-2-butene	12.717	75	30678	17.889	ug/l	93
78) 4-Chlorotoluene	13.200	91	235006	19.366	ug/l	99
79) tert-butylbenzene	13.417	119	211425	18.487	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	250925	18.891	ug/l	99
81) sec-Butylbenzene	13.594	105	312419	18.729	ug/l	99
82) p-Isopropyltoluene	13.706	119	255324	18.524	ug/l	98
83) 1,3-Dichlorobenzene	13.711	146	139122	19.931	ug/l	99
84) 1,4-Dichlorobenzene	13.794	146	137140	19.400	ug/l	98
85) n-Butylbenzene	14.035	91	239107	18.202	ug/l	99
86) Hexachloroethane	14.311	117	45082	17.082	ug/l	98
87) 1,2-Dichlorobenzene	14.082	146	127211	19.308	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.706	75	23395	19.309	ug/l	95
89) 1,2,4-Trichlorobenzene	15.811	180	68792	18.606	ug/l	97
90) Hexachlorobutadiene	15.470	225	26607	18.531	ug/l	97
91) Naphthalene	15.617	128	241446	18.049	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	68792	18.606	ug/l	97

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088353.D
Acq On : 25 Nov 2025 11:03
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 26 00:16:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

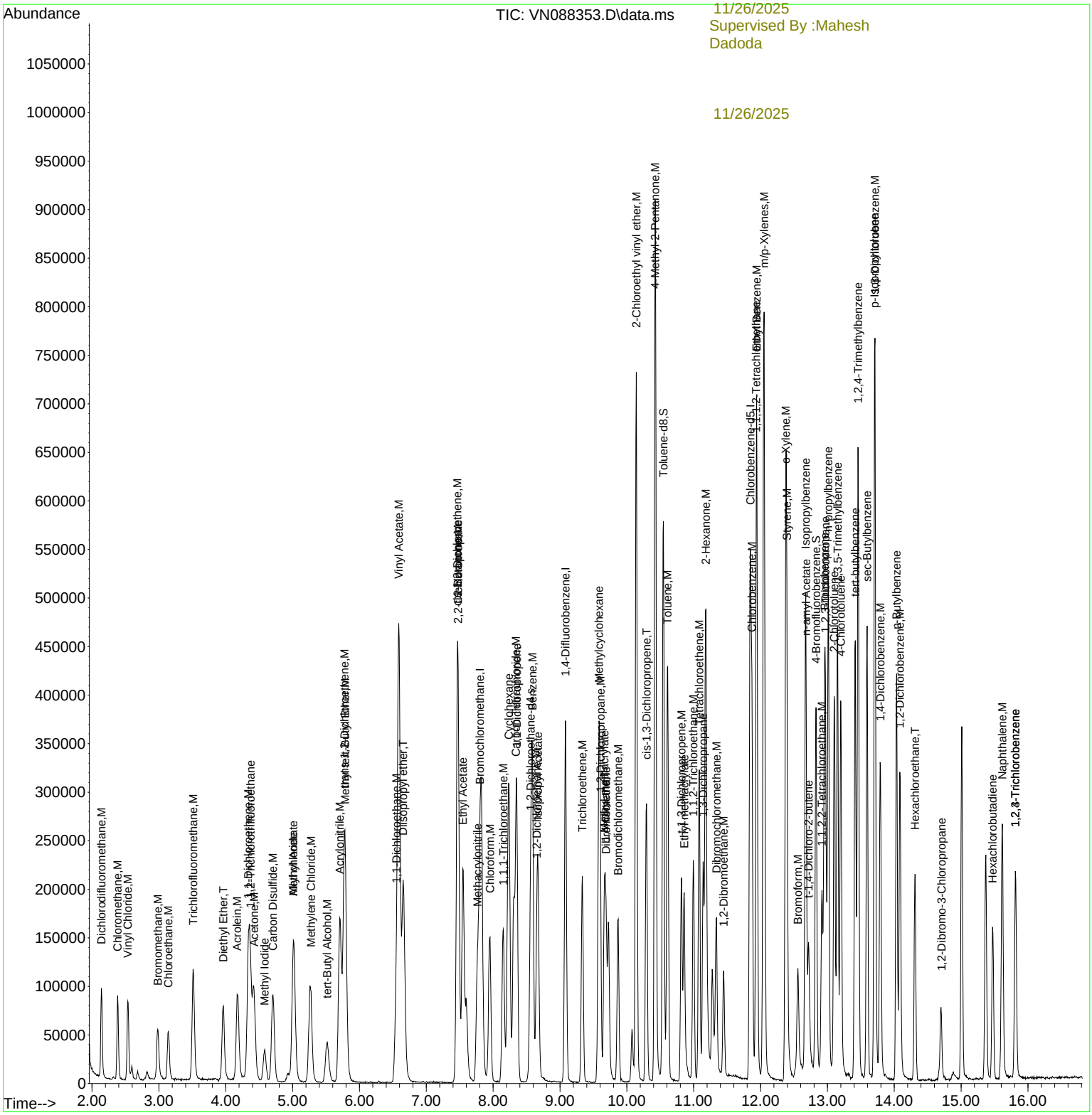
Manual Integrations APPROVED

Reviewed By :John Carlone

11/26/2025

Supervised By :Mahesh Dadoda

11/26/2025



Sample Results: **VN088353.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088353.D
Acq On : 25 Nov 2025 11:03
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Nov 26 00:16:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 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	102	0.00
2	M	Dichlorodifluoromethane	2.109	2.104	0.2	91	0.00
3	M	Chloromethane	2.174	2.232	-2.7	99	0.00
4	M	Vinyl Chloride	2.299	2.254	2.0	95	0.00
5	M	Bromomethane	1.226	1.093	10.8	92	0.00
6	M	Chloroethane	1.421	1.384	2.6	95	0.00
7	M	Trichlorofluoromethane	3.223	3.191	1.0	95	0.00
8	T	Diethyl Ether	1.205	1.135	5.8	97	0.00
9		1,1,2-Trichlorotrifluoroeth	1.691	1.640	3.0	93	0.00
10	M	1,1-Dichloroethene	1.650	1.634	1.0	95	0.00
11		Methyl Iodide	1.756	1.491	15.1	87	0.00
12		Methyl Acetate	2.661	2.802	-5.3	105	0.00
13	M	Acrolein	0.392	0.620	-58.2#	179#	-0.01
14	M	Acrylonitrile	1.209	1.180	2.4	98	0.00
15	M	Acetone	0.354	0.261	26.3#	73	0.00
16	M	Carbon Disulfide	5.564	5.370	3.5	92	0.00
17		Allyl chloride	3.206	2.821	12.0	87	0.00
18	M	Methylene Chloride	2.050	2.016	1.7	98	0.02
19	M	trans-1,2-Dichloroethene	1.921	1.870	2.7	94	0.00
20	T	Diisopropyl ether	6.850	6.750	1.5	99	0.00
21	M	1,1-Dichloroethane	3.859	3.714	3.8	95	0.00
22	M	cis-1,2-Dichloroethene	2.233	2.147	3.9	97	0.00
23	M	tert-Butyl Alcohol	0.445	0.405	9.0	95	0.00
24	M	Methyl tert-Butyl Ether	6.651	6.208	6.7	95	0.00
25	M	Chloroform	3.824	3.782	1.1	100	0.00
26		Cyclohexane	3.260	3.084	5.4	89	0.00
27	s	1,2-Dichloroethane-d4	2.740	2.594	5.3	97	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
29		1,1-Dichloropropene	0.501	0.502	-0.2	94	0.00
30	M	2-Butanone	0.324	0.298	8.0	90	0.00
31		2,2-Dichloropropane	0.617	0.599	2.9	91	0.00
32	M	1,1,1-Trichloroethane	0.617	0.634	-2.8	97	0.00
33	M	Carbon Tetrachloride	0.527	0.512	2.8	91	0.00
34	M	Benzene	1.496	1.546	-3.3	98	0.00
35		Methacrylonitrile	0.338	0.330	2.4	97	0.00
36	M	1,2-Dichloroethane	0.582	0.583	-0.2	96	0.00
37	M	Trichloroethene	0.339	0.362	-6.8	101	0.00
38		Methylcyclohexane	0.574	0.542	5.6	87	0.00
39	M	1,2-Dichloropropane	0.386	0.401	-3.9	101	0.00
40		Dibromomethane	0.277	0.282	-1.8	97	0.00
41	M	Bromodichloromethane	0.558	0.561	-0.5	99	0.00
42	M	Vinyl Acetate	1.081	1.050	2.9	95	0.00
43		Ethyl Acetate	0.651	0.686	-5.4	101	0.00
44		Isopropyl Acetate	1.004	1.010	-0.6	98	0.00
45	T	1,4-Dioxane	0.006	0.006	0.0	87	0.00
46		Methyl methacrylate	0.470	0.453	3.6	96	0.00
47		n-amyl Acetate	0.509	0.413	18.9	86	0.01
48	M	t-1,3-Dichloropropene	0.597	0.568	4.9	96	0.00

Sample Results: **VN088353.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088353.D
Acq On : 25 Nov 2025 11:03
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Nov 26 00:16:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 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	0.621	0.637	-2.6	99	0.00
50	M	1,1,2-Trichloroethane	0.343	0.359	-4.7	102	0.00
51		Ethyl methacrylate	0.564	0.539	4.4	98	0.00
52		1,3-Dichloropropane	0.625	0.619	1.0	96	0.00
53	M	Dibromochloromethane	0.394	0.402	-2.0	101	0.00
54	M	1,2-Dibromoethane	0.356	0.359	-0.8	100	0.00
55	M	2-Chloroethyl vinyl ether	0.325	0.315	3.1	98	0.00
56	M	Bromoform	0.249	0.243	2.4	99	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
58	M	4-Methyl-2-Pentanone	0.679	0.716	-5.4	102	0.00
59	M	2-Hexanone	0.451	0.437	3.1	98	0.00
60	S	4-Bromofluorobenzene	0.507	0.480	5.3	95	0.00
61	M	Tetrachloroethene	0.309	0.382	-23.6	114	0.00
62	M	Toluene	1.722	1.798	-4.4	99	0.00
63	S	Toluene-d8	1.420	1.450	-2.1	98	0.00
64	M	Chlorobenzene	1.066	1.064	0.2	98	0.00
65		1,1,1,2-Tetrachloroethane	0.365	0.362	0.8	96	0.00
66	M	Ethyl Benzene	1.897	1.868	1.5	95	0.00
67	M	m/p-Xylenes	0.710	0.713	-0.4	97	0.00
68	M	o-Xylene	0.669	0.664	0.7	98	0.00
69	M	Styrene	1.137	1.095	3.7	96	0.00
70		Isopropylbenzene	1.774	1.713	3.4	93	0.00
71	M	1,1,2,2-Tetrachloroethane	0.575	0.540	6.1	92	0.00
72		1,2,3-Trichloropropane	0.557	0.516	7.4	99	0.00
73		Bromobenzene	0.400	0.401	-0.3	98	0.00
74		n-propylbenzene	2.195	2.157	1.7	94	0.00
75		2-Chlorotoluene	1.335	1.251	6.3	92	0.00
76		1,3,5-Trimethylbenzene	1.489	1.427	4.2	93	0.00
77		t-1,4-Dichloro-2-butene	0.191	0.171	10.5	93	0.00
78		4-Chlorotoluene	1.353	1.310	3.2	94	0.00
79		tert-butylbenzene	1.275	1.178	7.6	91	0.00
80		1,2,4-Trimethylbenzene	1.481	1.399	5.5	93	0.00
81		sec-Butylbenzene	1.859	1.741	6.3	89	0.00
82		p-Isopropyltoluene	1.536	1.423	7.4	88	0.00
83	M	1,3-Dichlorobenzene	0.778	0.775	0.4	95	0.00
84	M	1,4-Dichlorobenzene	0.788	0.764	3.0	95	0.00
85		n-Butylbenzene	1.464	1.333	8.9	85	0.00
86	T	Hexachloroethane	0.294	0.251	14.6	84	0.00
87	M	1,2-Dichlorobenzene	0.734	0.709	3.4	93	0.00
88		1,2-Dibromo-3-Chloropropane	0.135	0.130	3.7	99	0.00
89		1,2,4-Trichlorobenzene	0.412	0.383	7.0	93	0.00
90		Hexachlorobutadiene	0.160	0.148	7.5	88	0.00
91	M	Naphthalene	1.491	1.346	9.7	91	0.00
92		1,2,3-Trichlorobenzene	0.412	0.383	7.0	93	0.00

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

Sample Results: **VN088353.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088353.D
Acq On : 25 Nov 2025 11:03
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Nov 26 00:16:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 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	102	0.00
2	M	Dichlorodifluoromethane	20.000	19.953	0.2	91	0.00
3	M	Chloromethane	20.000	20.534	-2.7	99	0.00
4	M	Vinyl Chloride	20.000	19.609	2.0	95	0.00
5	M	Bromomethane	20.000	17.828	10.9	92	0.00
6	M	Chloroethane	20.000	19.484	2.6	95	0.00
7	M	Trichlorofluoromethane	20.000	19.800	1.0	95	0.00
8	T	Diethyl Ether	20.000	18.836	5.8	97	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	19.395	3.0	93	0.00
10	M	1,1-Dichloroethene	20.000	19.814	0.9	95	0.00
11		Methyl Iodide	20.000	16.990	15.1	87	0.00
12		Methyl Acetate	20.000	21.055	-5.3	105	0.00
13	M	Acrolein	100.000	158.297	-58.3#	179	-0.01
14	M	Acrylonitrile	100.000	97.574	2.4	98	0.00
15	M	Acetone	100.000	73.915	26.1#	73	0.00
16	M	Carbon Disulfide	20.000	19.305	3.5	92	0.00
17		Allyl chloride	20.000	17.598	12.0	87	0.00
18	M	Methylene Chloride	20.000	19.660	1.7	98	0.02
19	M	trans-1,2-Dichloroethene	20.000	19.467	2.7	94	0.00
20	T	Diisopropyl ether	20.000	19.708	1.5	99	0.00
21	M	1,1-Dichloroethane	20.000	19.244	3.8	95	0.00
22	M	cis-1,2-Dichloroethene	20.000	19.234	3.8	97	0.00
23	M	tert-Butyl Alcohol	100.000	91.146	8.9	95	0.00
24	M	Methyl tert-Butyl Ether	20.000	18.667	6.7	95	0.00
25	M	Chloroform	20.000	19.777	1.1	100	0.00
26		Cyclohexane	20.000	18.921	5.4	89	0.00
27	s	1,2-Dichloroethane-d4	30.000	28.400	5.3	97	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	95	0.00
29		1,1-Dichloropropene	20.000	20.069	-0.3	94	0.00
30	M	2-Butanone	100.000	91.975	8.0	90	0.00
31		2,2-Dichloropropane	20.000	19.410	2.9	91	0.00
32	M	1,1,1-Trichloroethane	20.000	20.552	-2.8	97	0.00
33	M	Carbon Tetrachloride	20.000	19.415	2.9	91	0.00
34	M	Benzene	20.000	20.659	-3.3	98	0.00
35		Methacrylonitrile	20.000	19.565	2.2	97	0.00
36	M	1,2-Dichloroethane	20.000	20.010	-0.1	96	0.00
37	M	Trichloroethene	20.000	21.329	-6.6	101	0.00
38		Methylcyclohexane	20.000	18.896	5.5	87	0.00
39	M	1,2-Dichloropropane	20.000	20.771	-3.9	101	0.00
40		Dibromomethane	20.000	20.314	-1.6	97	0.00
41	M	Bromodichloromethane	20.000	20.097	-0.5	99	0.00
42	M	Vinyl Acetate	100.000	97.196	2.8	95	0.00
43		Ethyl Acetate	20.000	21.058	-5.3	101	0.00
44		Isopropyl Acetate	20.000	20.114	-0.6	98	0.00
45	T	1,4-Dioxane	400.000	379.398	5.2	87	0.00
46		Methyl methacrylate	20.000	19.290	3.6	96	0.00
47		n-amyl Acetate	20.000	16.231	18.8	86	0.01
48	M	t-1,3-Dichloropropene	20.000	19.034	4.8	96	0.00

Sample Results: **VN088353.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088353.D
Acq On : 25 Nov 2025 11:03
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Nov 26 00:16:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 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	20.495	-2.5	99	0.00
50	M	1,1,2-Trichloroethane	20.000	20.939	-4.7	102	0.00
51		Ethyl methacrylate	20.000	19.121	4.4	98	0.00
52		1,3-Dichloropropane	20.000	19.825	0.9	96	0.00
53	M	Dibromochloromethane	20.000	20.419	-2.1	101	0.00
54	M	1,2-Dibromoethane	20.000	20.137	-0.7	100	0.00
55	M	2-Chloroethyl vinyl ether	100.000	97.027	3.0	98	0.00
56	M	Bromoform	20.000	19.508	2.5	99	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	98	0.00
58	M	4-Methyl-2-Pentanone	100.000	105.592	-5.6	102	0.00
59	M	2-Hexanone	100.000	96.966	3.0	98	0.00
60	S	4-Bromofluorobenzene	30.000	28.370	5.4	95	0.00
61	M	Tetrachloroethene	20.000	24.687	-23.4	114	0.00
62	M	Toluene	20.000	20.892	-4.5	99	0.00
63	S	Toluene-d8	30.000	30.627	-2.1	98	0.00
64	M	Chlorobenzene	20.000	19.956	0.2	98	0.00
65		1,1,1,2-Tetrachloroethane	20.000	19.855	0.7	96	0.00
66	M	Ethyl Benzene	20.000	19.695	1.5	95	0.00
67	M	m/p-Xylenes	40.000	40.190	-0.5	97	0.00
68	M	o-Xylene	20.000	19.853	0.7	98	0.00
69	M	Styrene	20.000	19.263	3.7	96	0.00
70		Isopropylbenzene	20.000	19.311	3.4	93	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	18.808	6.0	92	0.00
72		1,2,3-Trichloropropane	20.000	18.540	7.3	99	0.00
73		Bromobenzene	20.000	20.017	-0.1	98	0.00
74		n-propylbenzene	20.000	19.650	1.8	94	0.00
75		2-Chlorotoluene	20.000	18.739	6.3	92	0.00
76		1,3,5-Trimethylbenzene	20.000	19.171	4.1	93	0.00
77		t-1,4-Dichloro-2-butene	20.000	17.889	10.6	93	0.00
78		4-Chlorotoluene	20.000	19.366	3.2	94	0.00
79		tert-butylbenzene	20.000	18.487	7.6	91	0.00
80		1,2,4-Trimethylbenzene	20.000	18.891	5.5	93	0.00
81		sec-Butylbenzene	20.000	18.729	6.4	89	0.00
82		p-Isopropyltoluene	20.000	18.524	7.4	88	0.00
83	M	1,3-Dichlorobenzene	20.000	19.931	0.3	95	0.00
84	M	1,4-Dichlorobenzene	20.000	19.400	3.0	95	0.00
85		n-Butylbenzene	20.000	18.202	9.0	85	0.00
86	T	Hexachloroethane	20.000	17.082	14.6	84	0.00
87	M	1,2-Dichlorobenzene	20.000	19.308	3.5	93	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	19.309	3.5	99	0.00
89		1,2,4-Trichlorobenzene	20.000	18.606	7.0	93	0.00
90		Hexachlorobutadiene	20.000	18.531	7.3	88	0.00
91	M	Naphthalene	20.000	18.049	9.8	91	0.00
92		1,2,3-Trichlorobenzene	20.000	18.606	7.0	93	0.00

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: ARDM01

Lab Code: ACE | SDG No.: Q3700

Instrument ID: MSVOA_N | Calibration Date/Time: 11/26/2025 09:06

Lab File ID: VN088362.D | Init. Calib. Date(s): 11/13/2025 11/13/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 10:14 11:50

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Chloromethane	2.174	2.090		-3.86	
Vinyl Chloride	2.299	2.055	0.1	-10.61	
Bromomethane	1.226	1.113	0.1	-9.22	
Chloroethane	1.421	1.363		-4.08	
Trichlorofluoromethane	3.223	2.864		-11.14	
1,1-Dichloroethene	1.650	1.559	0.1	-5.51	
Acrolein	0.392	0.562		43.37	
Acrylonitrile	1.209	1.183		-2.15	
Methylene Chloride	2.050	2.010		-1.95	
trans-1,2-Dichloroethene	1.921	1.859		-3.23	
1,1-Dichloroethane	3.859	3.736	0.2	-3.19	
Carbon Tetrachloride	0.527	0.511	0.1	-3.04	
Chloroform	3.824	3.853	0.2	0.76	
1,1,1-Trichloroethane	0.617	0.633	0.1	2.59	
Benzene	1.496	1.604	0.5	7.22	
1,2-Dichloroethane	0.582	0.631	0.1	8.42	
Trichloroethene	0.339	0.380	0.3	12.09	
1,2-Dichloropropane	0.386	0.423		9.59	
Bromodichloromethane	0.558	0.609	0.2	9.14	
Toluene	1.722	1.799	0.4	4.47	
t-1,3-Dichloropropene	0.597	0.619	0.1	3.68	
cis-1,3-Dichloropropene	0.621	0.667	0.2	7.41	
1,1,2-Trichloroethane	0.343	0.378	0.1	10.2	
2-Chloroethyl vinyl ether	0.325	0.321		-1.23	
Dibromochloromethane	0.394	0.448	0.1	13.71	
Tetrachloroethene	0.309	0.384	0.2	24.27	
Chlorobenzene	1.066	1.118	0.5	4.88	
Ethyl Benzene	1.897	1.881	0.1	-0.84	
m/p-Xylenes	0.710	0.720	0.3	1.41	
o-Xylene	0.669	0.681	0.3	1.79	
Bromoform	0.249	0.263	0.1	5.62	
1,1,2,2-Tetrachloroethane	0.575	0.590	0.3	2.61	
1,3-Dichlorobenzene	0.778	0.801	0.2	2.96	
1,4-Dichlorobenzene	0.788	0.822	0.2	4.32	
1,2-Dichlorobenzene	0.734	0.761	0.2	3.68	
1,2-Dichloroethane-d4	2.740	2.499	0.01	-8.8	
Toluene-d8	1.420	1.403	0.01	-1.2	
4-Bromofluorobenzene	0.507	0.482	0.2	-4.93	

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\VN112625\
Data File : VN088362.D
Acq On : 26 Nov 2025 09:06
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 27 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone

12/01/2025

Supervised By :Semsettin Yesilyurt

12/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	55632	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	271784	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	250226	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	139010	27.355	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 91.200%			
60) 4-Bromofluorobenzene	12.829	95	120703	28.535	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.133%			
63) Toluene-d8	10.547	98	351022	29.631	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.767%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	68749	17.580	ug/l	98
3) Chloromethane	2.383	50	77515	19.225	ug/l	98
4) Vinyl Chloride	2.536	62	76223	17.879	ug/l	98
5) Bromomethane	2.989	94	41266	18.153	ug/l	82
6) Chloroethane	3.142	64	50538	19.178	ug/l	100
7) Trichlorofluoromethane	3.518	101	106214	17.770	ug/l	92
8) Diethyl Ether	3.965	74	42236	18.906	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	56933	18.156	ug/l	58
10) 1,1-Dichloroethene	4.342	96	57820	18.901	ug/l	95
11) Methyl Iodide	4.583	142	58343	17.921	ug/l #	85
12) Methyl Acetate	5.024	43	99940	20.250	ug/l	95
13) Acrolein	4.183	56	104221	143.531	ug/l	99
14) Acrylonitrile	5.712	53	219426	97.846	ug/l	100
15) Acetone	4.430	58	43428	66.221	ug/l	74
16) Carbon Disulfide	4.712	76	180943	17.538	ug/l	99
17) Allyl chloride	5.018	41	107618	18.103	ug/l	95
18) Methylene Chloride	5.265	84	74539	19.603	ug/l	87
19) trans-1,2-Dichloroethene	5.783	96	68943	19.354	ug/l	95
20) Diisopropyl ether	6.653	45	244915	19.280	ug/l	95
21) 1,1-Dichloroethane	6.553	63	138551	19.359	ug/l	97
22) cis-1,2-Dichloroethene	7.465	96	80195	19.370	ug/l	96
23) tert-Butyl Alcohol	5.512	59	73998	89.737	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	234535	19.015	ug/l	98
25) Chloroform	7.947	83	142895	20.150	ug/l	94
26) Cyclohexane	8.235	56	103957	17.197	ug/l #	87
29) 1,1-Dichloropropene	8.353	75	89303	19.693	ug/l	100
30) 2-Butanone	7.471	43	266651	90.901	ug/l	98
31) 2,2-Dichloropropane	7.471	77	114866	20.537	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	114753	20.527	ug/l	98
33) Carbon Tetrachloride	8.341	117	92638	19.405	ug/l	98
34) Benzene	8.588	78	290714	21.447	ug/l	97
35) Methacrylonitrile	7.765	41	67611	22.097	ug/l	97
36) 1,2-Dichloroethane	8.647	62	114295	21.666	ug/l #	87
37) Trichloroethene	9.335	130	68935	22.442	ug/l	96
38) Methylcyclohexane	9.576	83	90896	17.483	ug/l	99
39) 1,2-Dichloropropane	9.600	63	76553	21.890	ug/l	96
40) Dibromomethane	9.688	93	54761	21.794	ug/l	96
41) Bromodichloromethane	9.871	83	110325	21.811	ug/l	99
42) Vinyl Acetate	6.588	43	983030	100.405	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112625\
Data File : VN088362.D
Acq On : 26 Nov 2025 09:06
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 27 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone

12/01/2025

Supervised By :Semsettin Yesilyurt

12/01/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.547	43	124467	21.088 ug/l	98
44) Isopropyl Acetate	8.671	43	199813	21.967 ug/l	100
45) 1,4-Dioxane	9.682	88	23714	432.934 ug/l #	84
46) Methyl methacrylate	9.659	41	89006	20.911 ug/l	97
47) n-amyl Acetate	12.682	43	111270m	24.141 ug/l	
48) t-1,3-Dichloropropene	10.818	75	112123	20.725 ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	120773	21.455 ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	68438	22.027 ug/l	94
51) Ethyl methacrylate	10.859	69	105437	20.626 ug/l	95
52) 1,3-Dichloropropane	11.141	76	125563	22.191 ug/l	100
53) Dibromochloromethane	11.335	129	81241	22.764 ug/l	100
54) 1,2-Dibromoethane	11.447	107	69695	21.590 ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	290870	98.782 ug/l	97
56) Bromoform	12.559	173	47619	21.081 ug/l	98
58) 4-Methyl-2-Pentanone	10.424	43	619105	109.392 ug/l	99
59) 2-Hexanone	11.176	43	362155	96.368 ug/l	99
61) Tetrachloroethene	11.082	164	64048	24.826 ug/l	96
62) Toluene	10.612	91	300039	20.895 ug/l	99
64) Chlorobenzene	11.870	112	186564	20.978 ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.935	131	65293	21.450 ug/l	96
66) Ethyl Benzene	11.941	91	313805	19.828 ug/l	97
67) m/p-Xylenes	12.053	106	240221	40.589 ug/l	99
68) o-Xylene	12.376	106	113606	20.348 ug/l	92
69) Styrene	12.388	104	193603	20.417 ug/l	98
70) Isopropylbenzene	12.676	105	285015	19.263 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	98385	20.528 ug/l	100
72) 1,2,3-Trichloropropane	12.976	75	88921m	19.151 ug/l	
73) Bromobenzene	12.959	156	71015	21.260 ug/l	94
74) n-propylbenzene	13.012	91	348765	19.047 ug/l	98
75) 2-Chlorotoluene	13.106	91	209465	18.813 ug/l	98
76) 1,3,5-Trimethylbenzene	13.153	105	237475	19.121 ug/l	98
77) t-1,4-Dichloro-2-butene	12.717	75	31153	19.538 ug/l	79
78) 4-Chlorotoluene	13.200	91	211618	18.755 ug/l	92
79) tert-butylbenzene	13.412	119	197074	18.534 ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	244467	19.795 ug/l	99
81) sec-Butylbenzene	13.594	105	285537	18.411 ug/l	100
82) p-Isopropyltoluene	13.706	119	235745	18.395 ug/l	98
83) 1,3-Dichlorobenzene	13.712	146	133601	20.586 ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	137161	20.869 ug/l	95
85) n-Butylbenzene	14.035	91	219592	17.979 ug/l	100
86) Hexachloroethane	14.311	117	42543	17.338 ug/l	96
87) 1,2-Dichlorobenzene	14.082	146	126912	20.718 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	21368	18.968 ug/l	95
89) 1,2,4-Trichlorobenzene	15.811	180	69463	20.207 ug/l	98
90) Hexachlorobutadiene	15.470	225	25121	18.817 ug/l	96
91) Naphthalene	15.611	128	248008	19.939 ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	69463	20.207 ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112625\
Data File : VN088362.D
Acq On : 26 Nov 2025 09:06
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 27 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

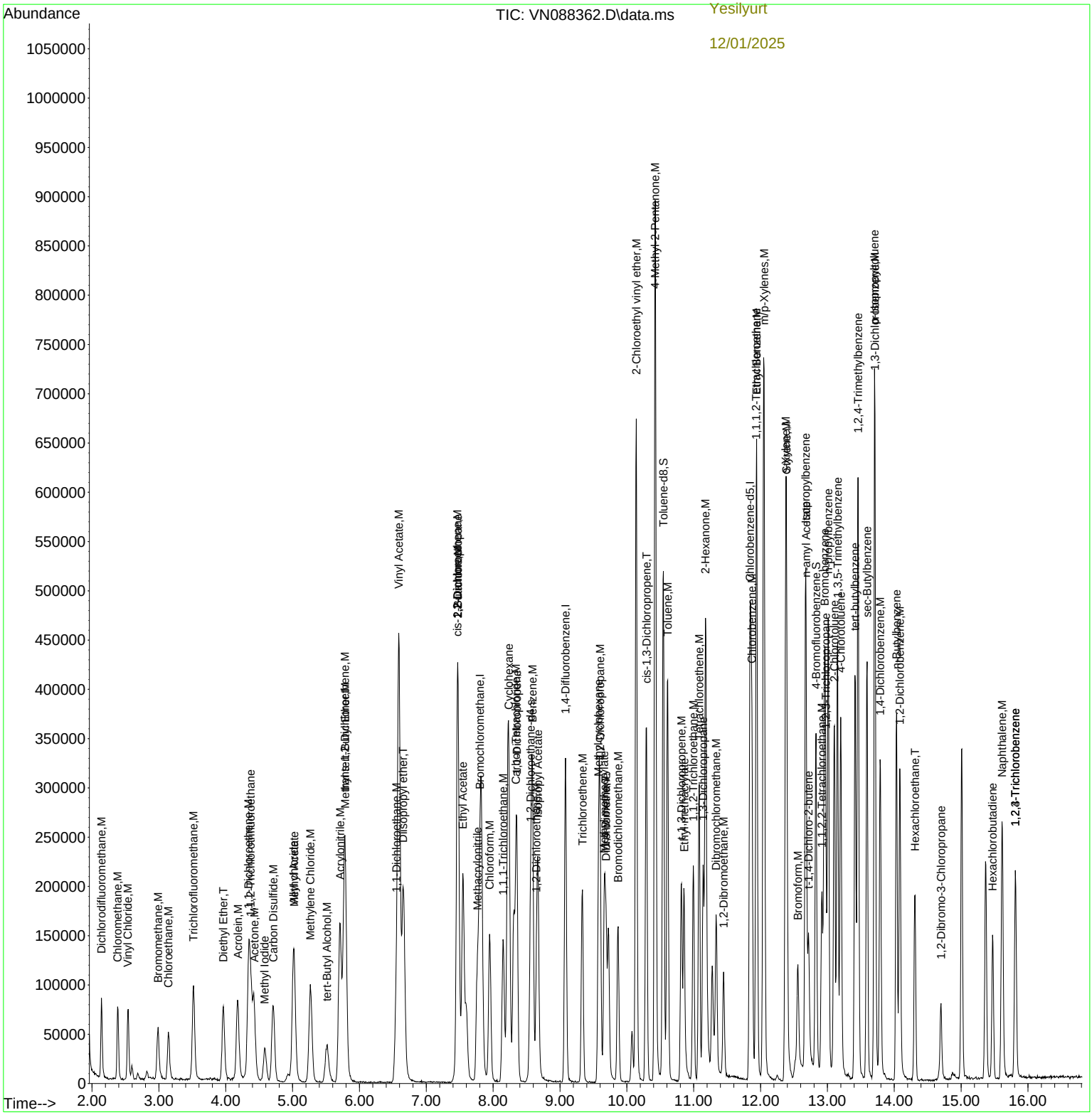
Manual Integrations APPROVED

Reviewed By :John Carlone

12/01/2025

Supervised By :Semsettin Yesilyurt

12/01/2025



Sample Results: **VN088362.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112625\
Data File : VN088362.D
Acq On : 26 Nov 2025 09:06
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Nov 27 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 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	98	0.00
2	M	Dichlorodifluoromethane	2.109	1.854	12.1	77	0.00
3	M	Chloromethane	2.174	2.090	3.9	89	0.00
4	M	Vinyl Chloride	2.299	2.055	10.6	83	0.00
5	M	Bromomethane	1.226	1.113	9.2	90	0.00
6	M	Chloroethane	1.421	1.363	4.1	89	0.00
7	M	Trichlorofluoromethane	3.223	2.864	11.1	81	0.00
8	T	Diethyl Ether	1.205	1.139	5.5	93	0.00
9		1,1,2-Trichlorotrifluoroeth	1.691	1.535	9.2	84	0.00
10	M	1,1-Dichloroethene	1.650	1.559	5.5	87	0.00
11		Methyl Iodide	1.756	1.573	10.4	88	0.00
12		Methyl Acetate	2.661	2.695	-1.3	97	0.00
13	M	Acrolein	0.392	0.562	-43.4#	156#	0.00
14	M	Acrylonitrile	1.209	1.183	2.2	95	0.00
15	M	Acetone	0.354	0.234	33.9#	63	0.01
16	M	Carbon Disulfide	5.564	4.879	12.3	81	0.00
17		Allyl chloride	3.206	2.902	9.5	86	0.00
18	M	Methylene Chloride	2.050	2.010	2.0	94	0.00
19	M	trans-1,2-Dichloroethene	1.921	1.859	3.2	89	0.00
20	T	Diisopropyl ether	6.850	6.604	3.6	92	0.00
21	M	1,1-Dichloroethane	3.859	3.736	3.2	91	0.00
22	M	cis-1,2-Dichloroethene	2.233	2.162	3.2	93	0.00
23	M	tert-Butyl Alcohol	0.445	0.399	10.3	90	-0.01
24	M	Methyl tert-Butyl Ether	6.651	6.324	4.9	93	0.00
25	M	Chloroform	3.824	3.853	-0.8	97	0.00
26		Cyclohexane	3.260	2.803	14.0	78	0.00
27	s	1,2-Dichloroethane-d4	2.740	2.499	8.8	89	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	86	0.00
29		1,1-Dichloropropene	0.501	0.493	1.6	83	0.00
30	M	2-Butanone	0.324	0.294	9.3	81	0.00
31		2,2-Dichloropropane	0.617	0.634	-2.8	87	0.00
32	M	1,1,1-Trichloroethane	0.617	0.633	-2.6	87	0.00
33	M	Carbon Tetrachloride	0.527	0.511	3.0	83	0.00
34	M	Benzene	1.496	1.604	-7.2	92	0.00
35		Methacrylonitrile	0.338	0.373	-10.4	99	0.00
36	M	1,2-Dichloroethane	0.582	0.631	-8.4	94	0.00
37	M	Trichloroethene	0.339	0.380	-12.1	96	0.00
38		Methylcyclohexane	0.574	0.502	12.5	73	0.00
39	M	1,2-Dichloropropane	0.386	0.423	-9.6	96	0.00
40		Dibromomethane	0.277	0.302	-9.0	94	0.00
41	M	Bromodichloromethane	0.558	0.609	-9.1	98	0.00
42	M	Vinyl Acetate	1.081	1.085	-0.4	89	0.00
43		Ethyl Acetate	0.651	0.687	-5.5	92	0.00
44		Isopropyl Acetate	1.004	1.103	-9.9	97	0.00
45	T	1,4-Dioxane	0.006	0.007	-16.7	90	0.00
46		Methyl methacrylate	0.470	0.491	-4.5	94	0.00
47		n-amyl Acetate	0.509	0.614	-20.6	116	0.01
48	M	t-1,3-Dichloropropene	0.597	0.619	-3.7	95	0.00

Sample Results: **VN088362.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112625\
Data File : VN088362.D
Acq On : 26 Nov 2025 09:06
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Nov 27 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 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	0.621	0.667	-7.4	94	0.00
50	M	1,1,2-Trichloroethane	0.343	0.378	-10.2	97	0.00
51		Ethyl methacrylate	0.564	0.582	-3.2	96	0.00
52		1,3-Dichloropropane	0.625	0.693	-10.9	97	0.00
53	M	Dibromochloromethane	0.394	0.448	-13.7	102	0.00
54	M	1,2-Dibromoethane	0.356	0.385	-8.1	97	0.00
55	M	2-Chloroethyl vinyl ether	0.325	0.321	1.2	91	0.00
56	M	Bromoform	0.249	0.263	-5.6	97	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
58	M	4-Methyl-2-Pentanone	0.679	0.742	-9.3	99	0.00
59	M	2-Hexanone	0.451	0.434	3.8	91	0.00
60	S	4-Bromofluorobenzene	0.507	0.482	4.9	89	0.00
61	M	Tetrachloroethene	0.309	0.384	-24.3	106	0.00
62	M	Toluene	1.722	1.799	-4.5	92	0.00
63	S	Toluene-d8	1.420	1.403	1.2	88	0.00
64	M	Chlorobenzene	1.066	1.118	-4.9	96	0.00
65		1,1,1,2-Tetrachloroethane	0.365	0.391	-7.1	96	0.00
66	M	Ethyl Benzene	1.897	1.881	0.8	89	0.00
67	M	m/p-Xylenes	0.710	0.720	-1.4	91	0.00
68	M	o-Xylene	0.669	0.681	-1.8	93	0.00
69	M	Styrene	1.137	1.161	-2.1	95	0.00
70		Isopropylbenzene	1.774	1.709	3.7	86	0.00
71	M	1,1,2,2-Tetrachloroethane	0.575	0.590	-2.6	93	0.00
72		1,2,3-Trichloropropane	0.557	0.533	4.3	95	0.00
73		Bromobenzene	0.400	0.426	-6.5	97	0.00
74		n-propylbenzene	2.195	2.091	4.7	85	0.00
75		2-Chlorotoluene	1.335	1.256	5.9	85	0.00
76		1,3,5-Trimethylbenzene	1.489	1.424	4.4	86	0.00
77		t-1,4-Dichloro-2-butene	0.191	0.187	2.1	95	0.00
78		4-Chlorotoluene	1.353	1.269	6.2	85	0.00
79		tert-butylbenzene	1.275	1.181	7.4	84	0.00
80		1,2,4-Trimethylbenzene	1.481	1.465	1.1	90	0.00
81		sec-Butylbenzene	1.859	1.712	7.9	81	0.00
82		p-Isopropyltoluene	1.536	1.413	8.0	82	0.00
83	M	1,3-Dichlorobenzene	0.778	0.801	-3.0	92	0.00
84	M	1,4-Dichlorobenzene	0.788	0.822	-4.3	95	0.00
85		n-Butylbenzene	1.464	1.316	10.1	78	0.00
86	T	Hexachloroethane	0.294	0.255	13.3	79	0.00
87	M	1,2-Dichlorobenzene	0.734	0.761	-3.7	93	0.00
88		1,2-Dibromo-3-Chloropropane	0.135	0.128	5.2	90	0.00
89		1,2,4-Trichlorobenzene	0.412	0.416	-1.0	94	0.00
90		Hexachlorobutadiene	0.160	0.151	5.6	83	0.00
91	M	Naphthalene	1.491	1.487	0.3	94	0.00
92		1,2,3-Trichlorobenzene	0.412	0.416	-1.0	94	0.00

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

Sample Results: **VN088362.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112625\
Data File : VN088362.D
Acq On : 26 Nov 2025 09:06
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Nov 27 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 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	98	0.00
2	M	Dichlorodifluoromethane	20.000	17.580	12.1	77	0.00
3	M	Chloromethane	20.000	19.225	3.9	89	0.00
4	M	Vinyl Chloride	20.000	17.879	10.6	83	0.00
5	M	Bromomethane	20.000	18.153	9.2	90	0.00
6	M	Chloroethane	20.000	19.178	4.1	89	0.00
7	M	Trichlorofluoromethane	20.000	17.770	11.2	81	0.00
8	T	Diethyl Ether	20.000	18.906	5.5	93	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	18.156	9.2	84	0.00
10	M	1,1-Dichloroethene	20.000	18.901	5.5	87	0.00
11		Methyl Iodide	20.000	17.921	10.4	88	0.00
12		Methyl Acetate	20.000	20.250	-1.3	97	0.00
13	M	Acrolein	100.000	143.531	-43.5#	156	0.00
14	M	Acrylonitrile	100.000	97.846	2.2	95	0.00
15	M	Acetone	100.000	66.221	33.8#	63	0.01
16	M	Carbon Disulfide	20.000	17.538	12.3	81	0.00
17		Allyl chloride	20.000	18.103	9.5	86	0.00
18	M	Methylene Chloride	20.000	19.603	2.0	94	0.00
19	M	trans-1,2-Dichloroethene	20.000	19.354	3.2	89	0.00
20	T	Diisopropyl ether	20.000	19.280	3.6	92	0.00
21	M	1,1-Dichloroethane	20.000	19.359	3.2	91	0.00
22	M	cis-1,2-Dichloroethene	20.000	19.370	3.1	93	0.00
23	M	tert-Butyl Alcohol	100.000	89.737	10.3	90	-0.01
24	M	Methyl tert-Butyl Ether	20.000	19.015	4.9	93	0.00
25	M	Chloroform	20.000	20.150	-0.7	97	0.00
26		Cyclohexane	20.000	17.197	14.0	78	0.00
27	s	1,2-Dichloroethane-d4	30.000	27.355	8.8	89	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	86	0.00
29		1,1-Dichloropropene	20.000	19.693	1.5	83	0.00
30	M	2-Butanone	100.000	90.901	9.1	81	0.00
31		2,2-Dichloropropane	20.000	20.537	-2.7	87	0.00
32	M	1,1,1-Trichloroethane	20.000	20.527	-2.6	87	0.00
33	M	Carbon Tetrachloride	20.000	19.405	3.0	83	0.00
34	M	Benzene	20.000	21.447	-7.2	92	0.00
35		Methacrylonitrile	20.000	22.097	-10.5	99	0.00
36	M	1,2-Dichloroethane	20.000	21.666	-8.3	94	0.00
37	M	Trichloroethene	20.000	22.442	-12.2	96	0.00
38		Methylcyclohexane	20.000	17.483	12.6	73	0.00
39	M	1,2-Dichloropropane	20.000	21.890	-9.5	96	0.00
40		Dibromomethane	20.000	21.794	-9.0	94	0.00
41	M	Bromodichloromethane	20.000	21.811	-9.1	98	0.00
42	M	Vinyl Acetate	100.000	100.405	-0.4	89	0.00
43		Ethyl Acetate	20.000	21.088	-5.4	92	0.00
44		Isopropyl Acetate	20.000	21.967	-9.8	97	0.00
45	T	1,4-Dioxane	400.000	432.934	-8.2	90	0.00
46		Methyl methacrylate	20.000	20.911	-4.6	94	0.00
47		n-amyl Acetate	20.000	24.141	-20.7	116	0.01
48	M	t-1,3-Dichloropropene	20.000	20.725	-3.6	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112625\
Data File : VN088362.D
Acq On : 26 Nov 2025 09:06
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Nov 27 00:07:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 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	21.455	-7.3	94	0.00
50	M	1,1,2-Trichloroethane	20.000	22.027	-10.1	97	0.00
51		Ethyl methacrylate	20.000	20.626	-3.1	96	0.00
52		1,3-Dichloropropane	20.000	22.191	-11.0	97	0.00
53	M	Dibromochloromethane	20.000	22.764	-13.8	102	0.00
54	M	1,2-Dibromoethane	20.000	21.590	-7.9	97	0.00
55	M	2-Chloroethyl vinyl ether	100.000	98.782	1.2	91	0.00
56	M	Bromoform	20.000	21.081	-5.4	97	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	91	0.00
58	M	4-Methyl-2-Pentanone	100.000	109.392	-9.4	99	0.00
59	M	2-Hexanone	100.000	96.368	3.6	91	0.00
60	S	4-Bromofluorobenzene	30.000	28.535	4.9	89	0.00
61	M	Tetrachloroethene	20.000	24.826	-24.1	106	0.00
62	M	Toluene	20.000	20.895	-4.5	92	0.00
63	S	Toluene-d8	30.000	29.631	1.2	88	0.00
64	M	Chlorobenzene	20.000	20.978	-4.9	96	0.00
65		1,1,1,2-Tetrachloroethane	20.000	21.450	-7.2	96	0.00
66	M	Ethyl Benzene	20.000	19.828	0.9	89	0.00
67	M	m/p-Xylenes	40.000	40.589	-1.5	91	0.00
68	M	o-Xylene	20.000	20.348	-1.7	93	0.00
69	M	Styrene	20.000	20.417	-2.1	95	0.00
70		Isopropylbenzene	20.000	19.263	3.7	86	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	20.528	-2.6	93	0.00
72		1,2,3-Trichloropropane	20.000	19.151	4.2	95	0.00
73		Bromobenzene	20.000	21.260	-6.3	97	0.00
74		n-propylbenzene	20.000	19.047	4.8	85	0.00
75		2-Chlorotoluene	20.000	18.813	5.9	85	0.00
76		1,3,5-Trimethylbenzene	20.000	19.121	4.4	86	0.00
77		t-1,4-Dichloro-2-butene	20.000	19.538	2.3	95	0.00
78		4-Chlorotoluene	20.000	18.755	6.2	85	0.00
79		tert-butylbenzene	20.000	18.534	7.3	84	0.00
80		1,2,4-Trimethylbenzene	20.000	19.795	1.0	90	0.00
81		sec-Butylbenzene	20.000	18.411	7.9	81	0.00
82		p-Isopropyltoluene	20.000	18.395	8.0	82	0.00
83	M	1,3-Dichlorobenzene	20.000	20.586	-2.9	92	0.00
84	M	1,4-Dichlorobenzene	20.000	20.869	-4.3	95	0.00
85		n-Butylbenzene	20.000	17.979	10.1	78	0.00
86	T	Hexachloroethane	20.000	17.338	13.3	79	0.00
87	M	1,2-Dichlorobenzene	20.000	20.718	-3.6	93	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	18.968	5.2	90	0.00
89		1,2,4-Trichlorobenzene	20.000	20.207	-1.0	94	0.00
90		Hexachlorobutadiene	20.000	18.817	5.9	83	0.00
91	M	Naphthalene	20.000	19.939	0.3	94	0.00
92		1,2,3-Trichlorobenzene	20.000	20.207	-1.0	94	0.00

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

QC SAMPLE DATA

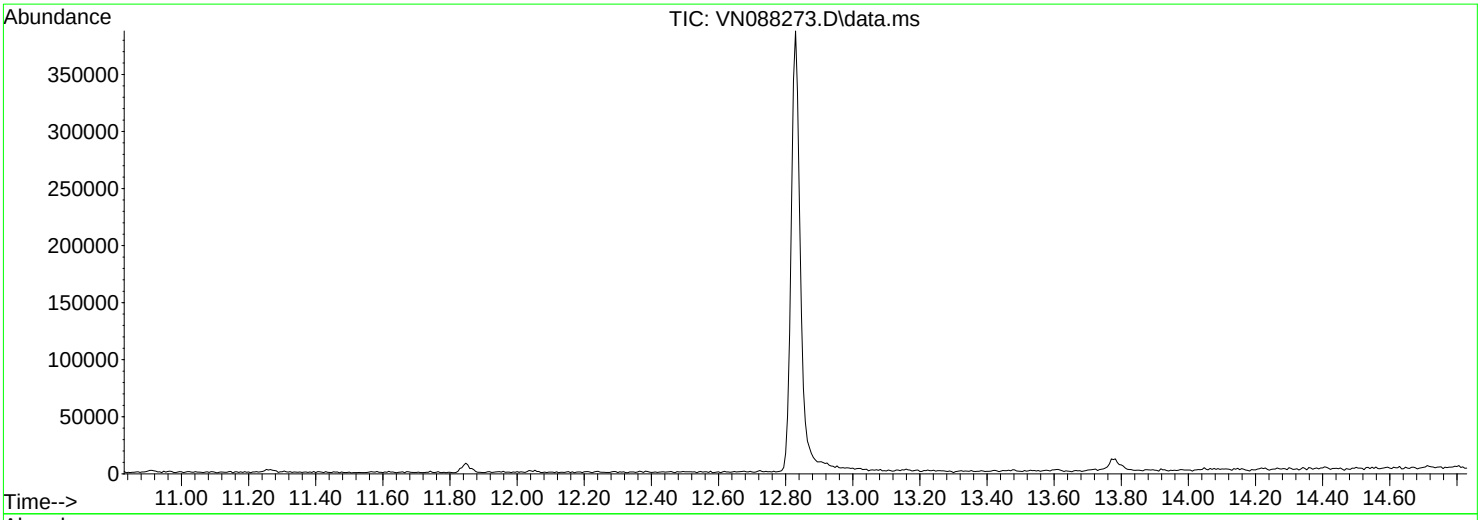
Sample Results: **VN088273.D**

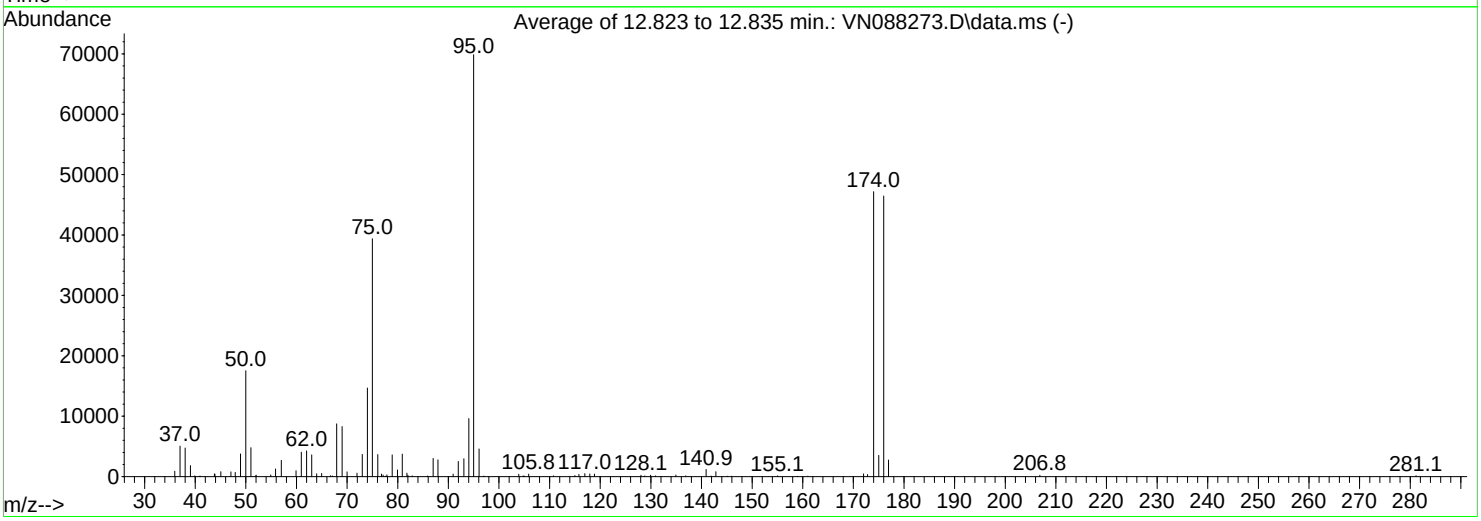
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111325\
Data File : VN088273.D
Acq On : 13 Nov 2025 08:08
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Nov 14 00:49:21 2025





AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1841

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.1	17526	PASS
75	95	30	60	56.4	39381	PASS
95	95	100	100	100.0	69848	PASS
96	95	5	9	6.5	4575	PASS
173	174	0.00	2	0.7	340	PASS
174	95	50	100	67.5	47176	PASS
175	174	5	9	7.5	3521	PASS
176	174	95	101	98.5	46469	PASS
177	176	5	9	5.9	2756	PASS

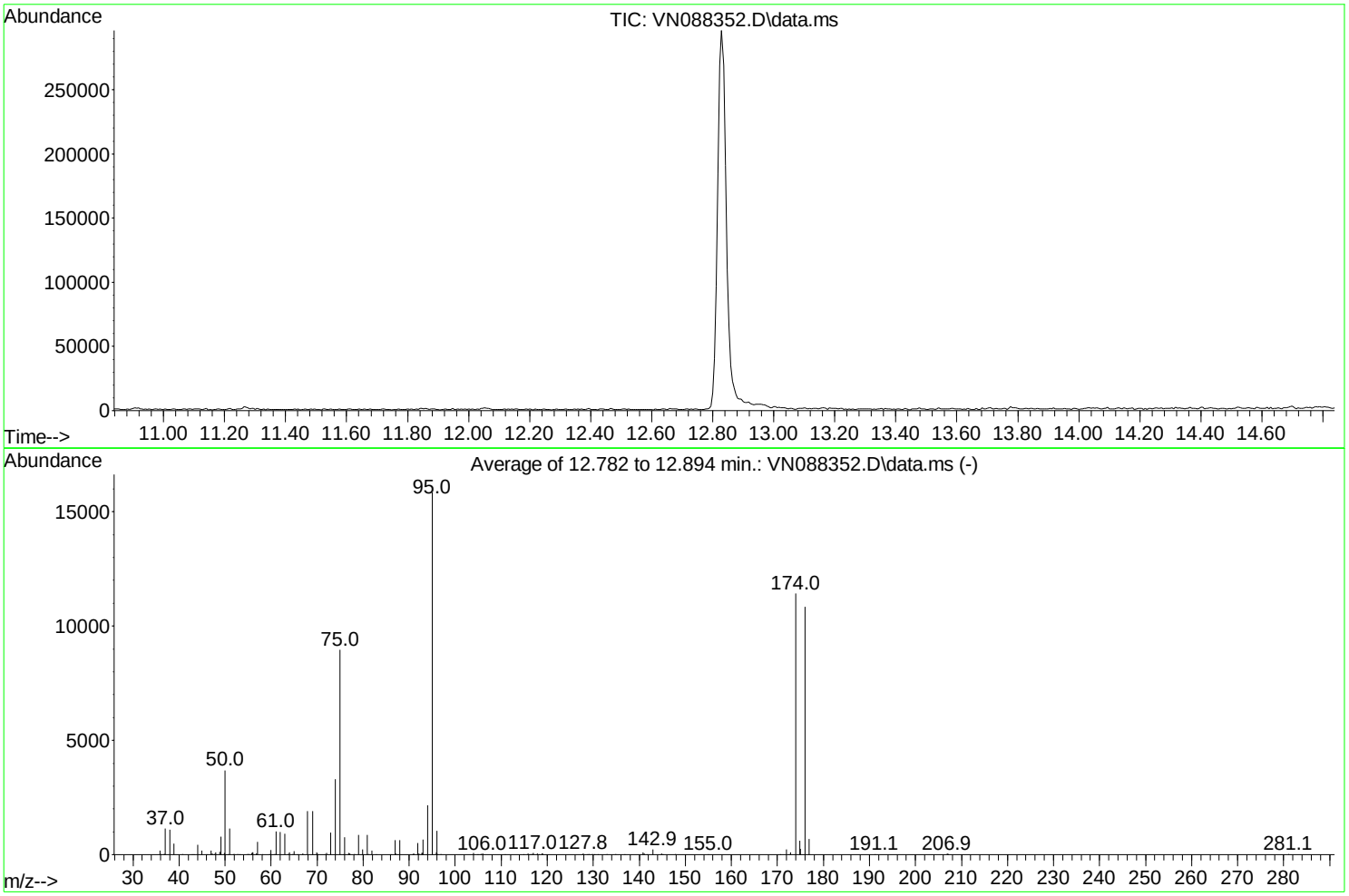
Sample Results: **VN088352.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088352.D
Acq On : 25 Nov 2025 10:29
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Nov 14 00:49:21 2025



AutoFind: Averaged scan 1841 to 1860; Bkg corrected with scan 1840

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.3	3688	PASS
75	95	30	60	56.5	8958	PASS
95	95	100	100	100.0	15841	PASS
96	95	5	9	6.6	1049	PASS
173	174	0.00	2	1.0	114	PASS
174	95	50	100	72.1	11424	PASS
175	174	5	9	5.4	616	PASS
176	174	95	101	95.0	10852	FAIL*
177	176	5	9	6.4	697	PASS

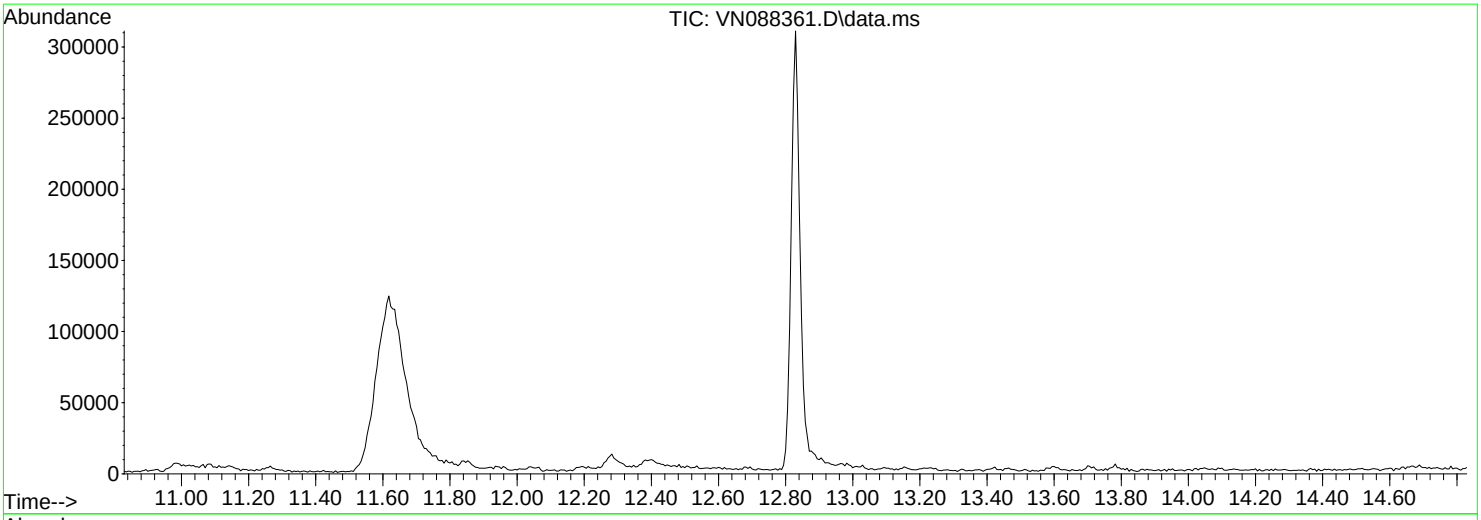
Sample Results: **VN088361.D**

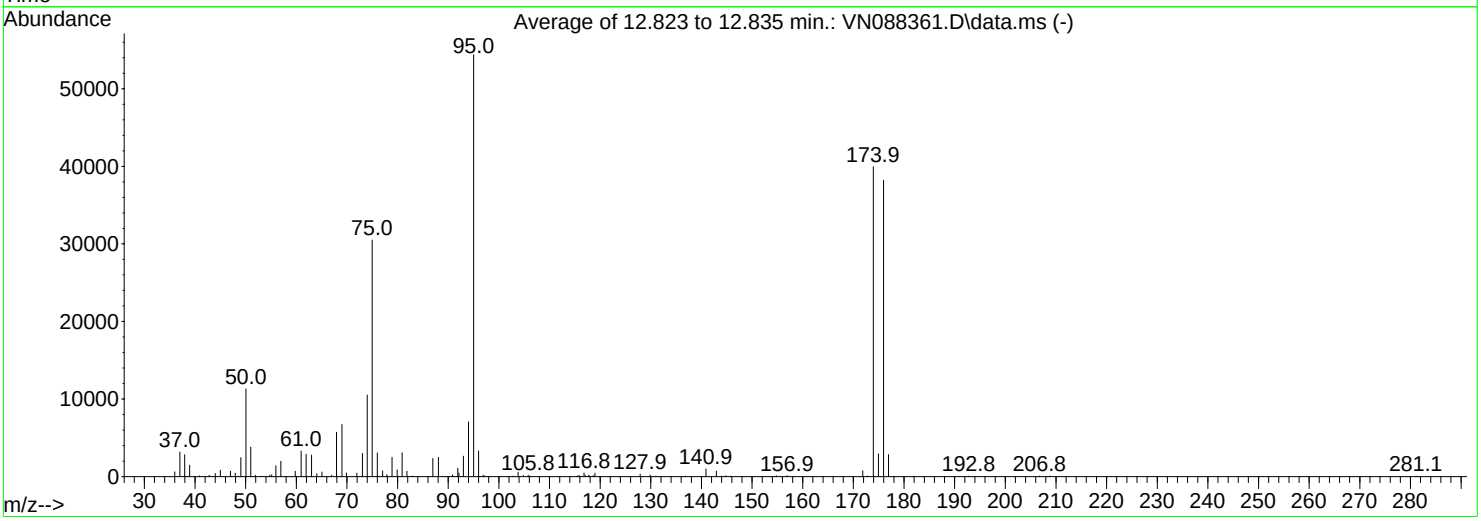
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112625\
Data File : VN088361.D
Acq On : 26 Nov 2025 08:25
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Nov 14 00:49:21 2025





AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1841

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	11327	PASS
75	95	30	60	56.1	30512	PASS
95	95	100	100	100.0	54389	PASS
96	95	5	9	6.1	3294	PASS
173	174	0.00	2	0.2	72	PASS
174	95	50	100	73.5	39960	PASS
175	174	5	9	7.3	2926	PASS
176	174	95	101	95.6	38216	PASS
177	176	5	9	7.4	2843	PASS

Raw Data: **VN088356.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:	VN1125WBL01			SDG No.:	Q3700
Lab Sample ID:	VN1125WBL01			Matrix:	Water
Analytical Method:	E624.1	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-PP

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
74-87-3	Chloromethane	0.64	U	1	0.64	5.00	ug/L	11/25/25 12:31	VN112525
75-01-4	Vinyl Chloride	0.83	U	1	0.83	5.00	ug/L	11/25/25 12:31	VN112525
74-83-9	Bromomethane	0.80	U	1	0.80	5.00	ug/L	11/25/25 12:31	VN112525
75-00-3	Chloroethane	2.30	U	1	2.30	5.00	ug/L	11/25/25 12:31	VN112525
75-69-4	Trichlorofluoromethane	0.80	U	1	0.80	5.00	ug/L	11/25/25 12:31	VN112525
75-35-4	1,1-Dichloroethene	0.76	U	1	0.76	5.00	ug/L	11/25/25 12:31	VN112525
107-02-8	Acrolein	6.60	U	1	6.60	25.0	ug/L	11/25/25 12:31	VN112525
107-13-1	Acrylonitrile	2.80	U	1	2.80	25.0	ug/L	11/25/25 12:31	VN112525
75-09-2	Methylene Chloride	0.86	U	1	0.86	5.00	ug/L	11/25/25 12:31	VN112525
156-60-5	trans-1,2-Dichloroethene	0.82	U	1	0.82	5.00	ug/L	11/25/25 12:31	VN112525
75-34-3	1,1-Dichloroethane	0.68	U	1	0.68	5.00	ug/L	11/25/25 12:31	VN112525
56-23-5	Carbon Tetrachloride	0.74	U	1	0.74	5.00	ug/L	11/25/25 12:31	VN112525
67-66-3	Chloroform	0.55	U	1	0.55	5.00	ug/L	11/25/25 12:31	VN112525
71-55-6	1,1,1-Trichloroethane	0.63	U	1	0.63	5.00	ug/L	11/25/25 12:31	VN112525
71-43-2	Benzene	0.45	U	1	0.45	5.00	ug/L	11/25/25 12:31	VN112525
107-06-2	1,2-Dichloroethane	0.50	U	1	0.50	5.00	ug/L	11/25/25 12:31	VN112525
79-01-6	Trichloroethene	0.49	U	1	0.49	5.00	ug/L	11/25/25 12:31	VN112525
78-87-5	1,2-Dichloropropane	0.46	U	1	0.46	5.00	ug/L	11/25/25 12:31	VN112525
75-27-4	Bromodichloromethane	0.64	U	1	0.64	5.00	ug/L	11/25/25 12:31	VN112525
108-88-3	Toluene	0.46	U	1	0.46	5.00	ug/L	11/25/25 12:31	VN112525
10061-02-6	t-1,3-Dichloropropene	0.72	U	1	0.72	5.00	ug/L	11/25/25 12:31	VN112525
10061-01-5	cis-1,3-Dichloropropene	0.67	U	1	0.67	5.00	ug/L	11/25/25 12:31	VN112525
79-00-5	1,1,2-Trichloroethane	0.45	U	1	0.45	5.00	ug/L	11/25/25 12:31	VN112525
110-75-8	2-Chloroethyl vinyl ether	4.60	U	1	4.60	25.0	ug/L	11/25/25 12:31	VN112525
124-48-1	Dibromochloromethane	0.66	U	1	0.66	5.00	ug/L	11/25/25 12:31	VN112525
127-18-4	Tetrachloroethene	0.84	U	1	0.84	5.00	ug/L	11/25/25 12:31	VN112525
108-90-7	Chlorobenzene	0.47	U	1	0.47	5.00	ug/L	11/25/25 12:31	VN112525
100-41-4	Ethyl Benzene	0.56	U	1	0.56	5.00	ug/L	11/25/25 12:31	VN112525
179601-23-1	m/p-Xylenes	1.30	U	1	1.30	10.0	ug/L	11/25/25 12:31	VN112525
95-47-6	o-Xylene	0.67	U	1	0.67	5.00	ug/L	11/25/25 12:31	VN112525
75-25-2	Bromoform	0.94	U	1	0.94	5.00	ug/L	11/25/25 12:31	VN112525
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	1	0.44	5.00	ug/L	11/25/25 12:31	VN112525
541-73-1	1,3-Dichlorobenzene	0.67	U	1	0.67	5.00	ug/L	11/25/25 12:31	VN112525
106-46-7	1,4-Dichlorobenzene	0.81	U	1	0.81	5.00	ug/L	11/25/25 12:31	VN112525
95-50-1	1,2-Dichlorobenzene	0.67	U	1	0.67	5.00	ug/L	11/25/25 12:31	VN112525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	28.3			91 - 110	94%	SPK: 30		
2037-26-5	Toluene-d8	29.8			91 - 112	99%	SPK: 30		
460-00-4	4-Bromofluorobenzene	25.2			63 - 112	84%	SPK: 30		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	55900							
540-36-3	1,4-Difluorobenzene	280000							
3114-55-4	Chlorobenzene-d5	245000							

Raw Data: **VN088356.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:	VN1125WBL01			SDG No.:	Q3700
Lab Sample ID:	VN1125WBL01			Matrix:	Water
Analytical Method:	E624.1	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-PP

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID

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\VN112525\
Data File : VN088356.D
Acq On : 25 Nov 2025 12:31
Operator : JC\MD
Sample : VN1125WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

Quant Time: Nov 26 00:18:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

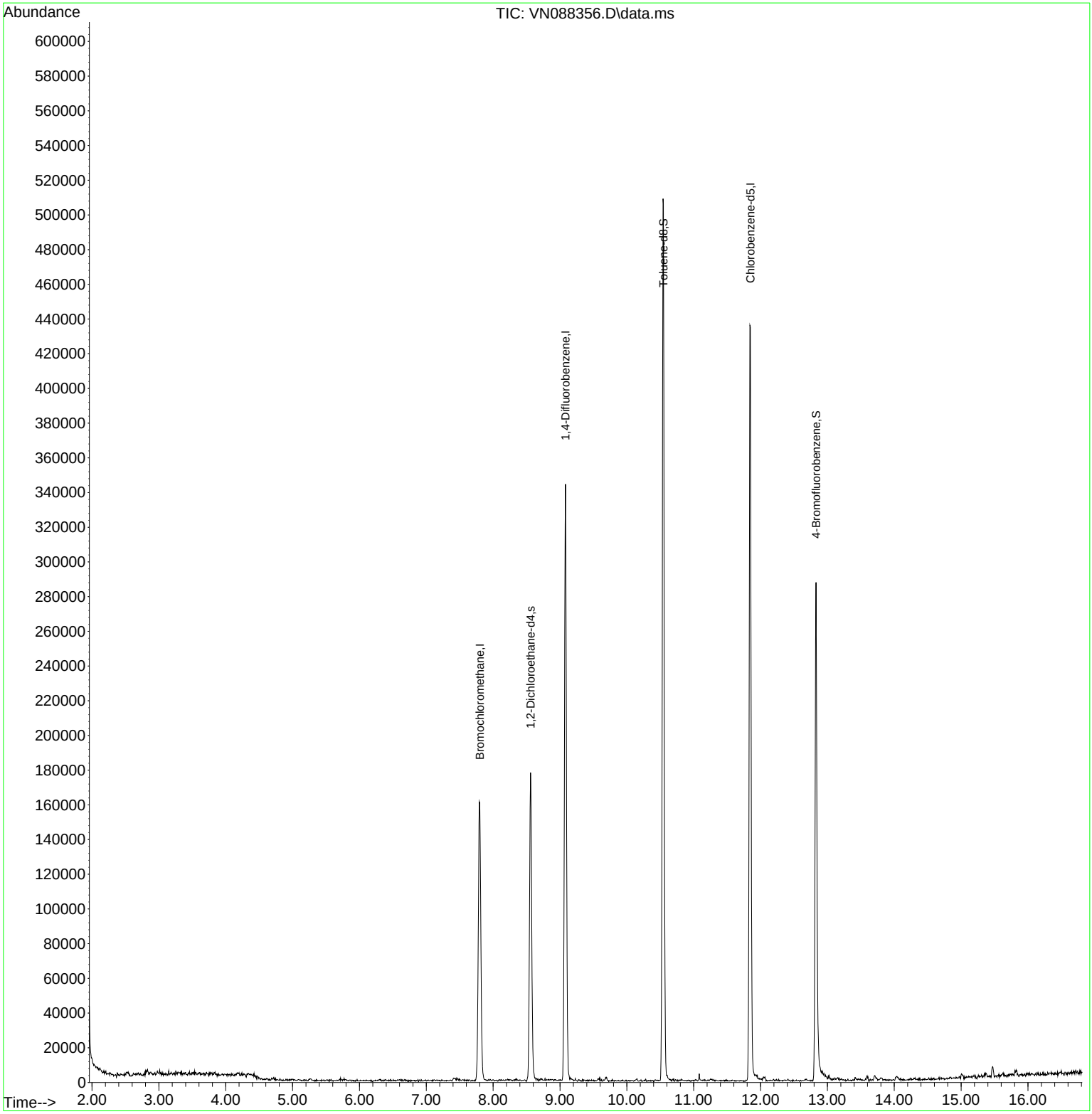
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	55920	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	279977	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	244619	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	144661	28.321	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 94.400%			
60) 4-Bromofluorobenzene	12.829	95	104152	25.187	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 83.967%			
63) Toluene-d8	10.547	98	345623	29.844	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.467%			
Target Compounds						Qvalue

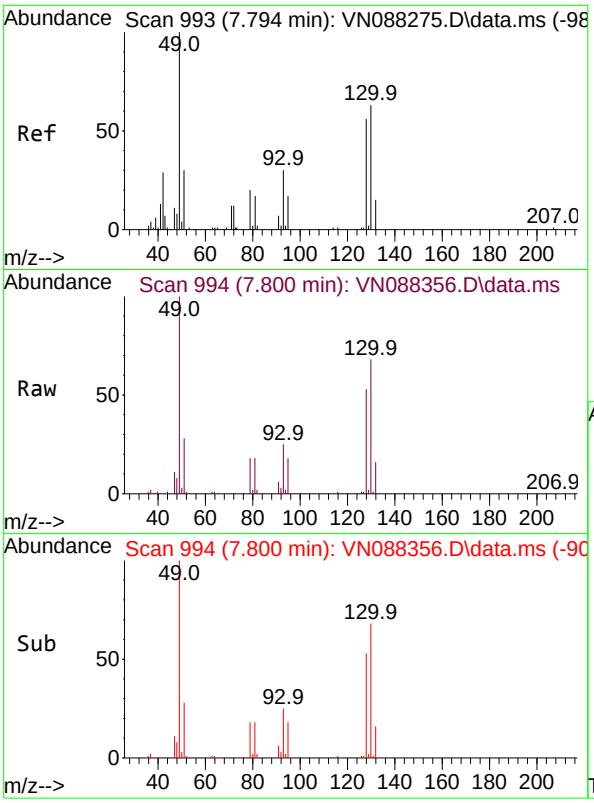
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088356.D
Acq On : 25 Nov 2025 12:31
Operator : JC\MD
Sample : VN1125WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

Quant Time: Nov 26 00:18:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration



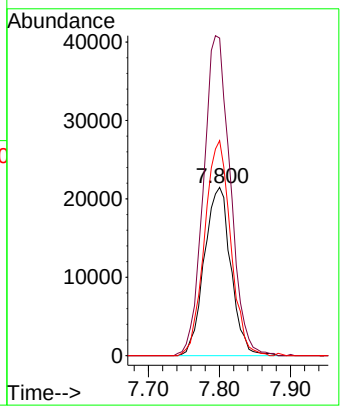


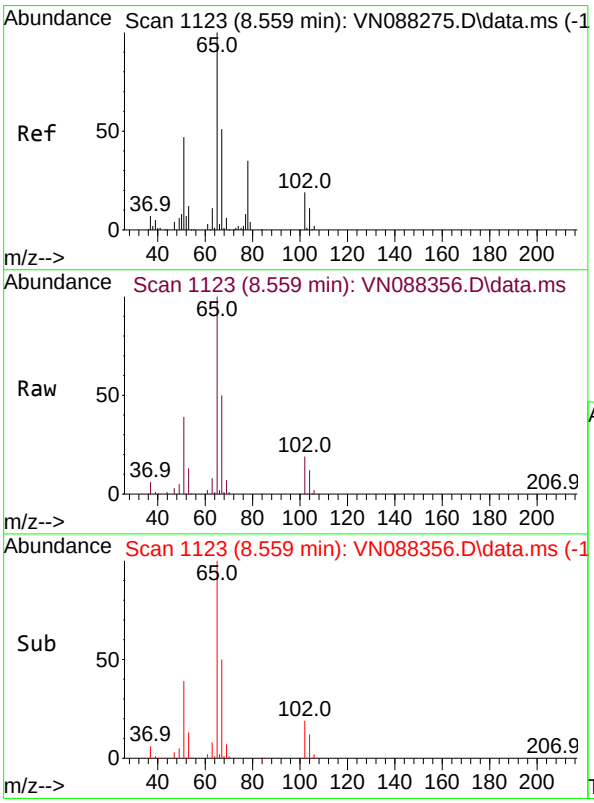
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN088356.D
Acq: 25 Nov 2025 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

Tgt Ion:128 Resp: 55920

Ion	Ratio	Lower	Upper
128	100		
49	191.3	0.0	501.2
130	125.1	0.0	320.2

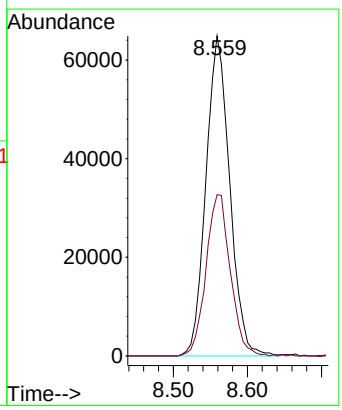


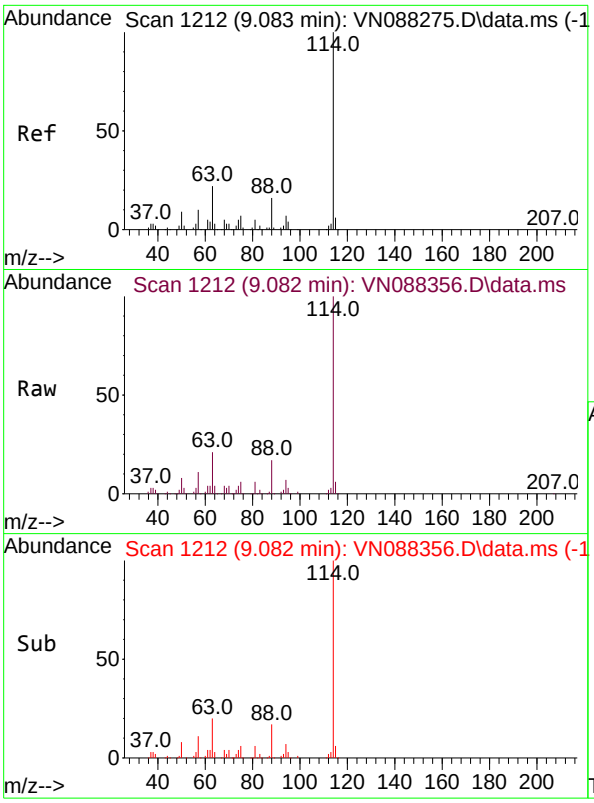


#27
1,2-Dichloroethane-d4
Concen: 28.321 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088356.D
Acq: 25 Nov 2025 12:31

Tgt Ion: 65 Resp: 144661

Ion	Ratio	Lower	Upper
65	100		
67	51.4	40.2	60.2



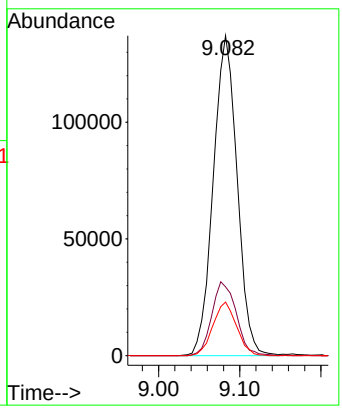


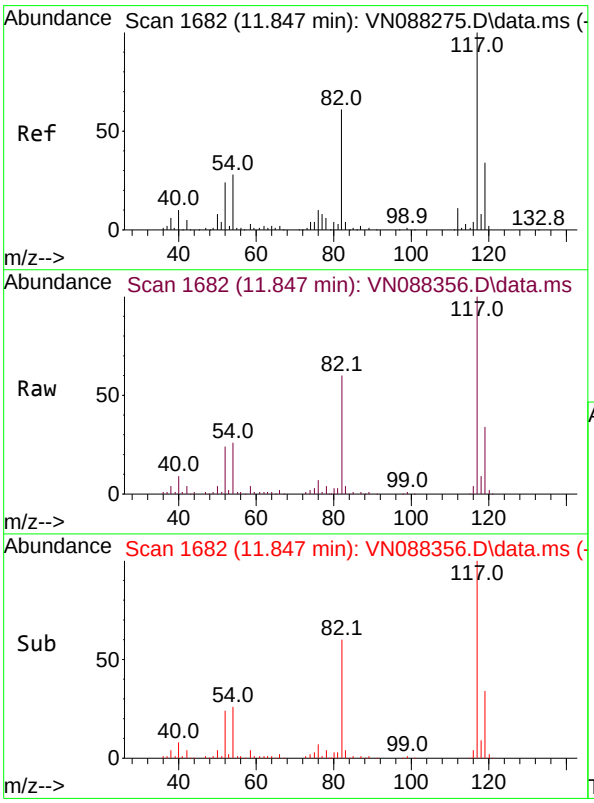
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088356.D
Acq: 25 Nov 2025 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

Tgt Ion:114 Resp: 279977

Ion	Ratio	Lower	Upper
114	100		
63	23.6	18.9	28.3
88	16.5	12.8	19.2

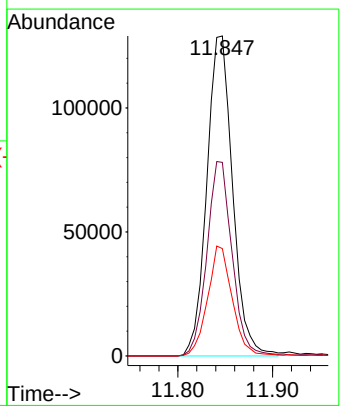


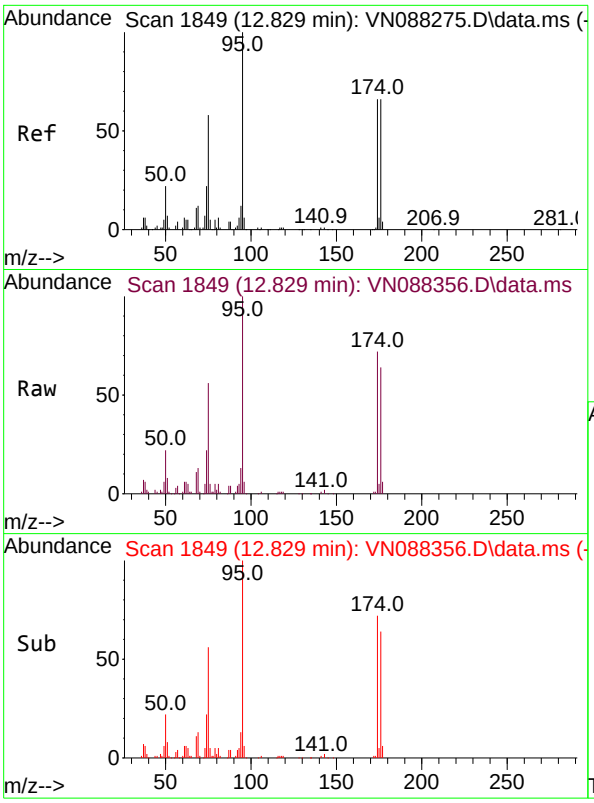


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN088356.D
Acq: 25 Nov 2025 12:31

Tgt Ion:117 Resp: 244619

Ion	Ratio	Lower	Upper
117	100		
82	59.3	49.3	73.9
119	32.7	26.4	39.6



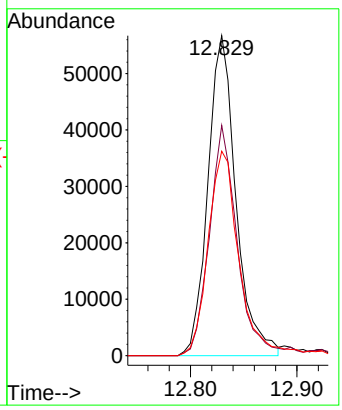


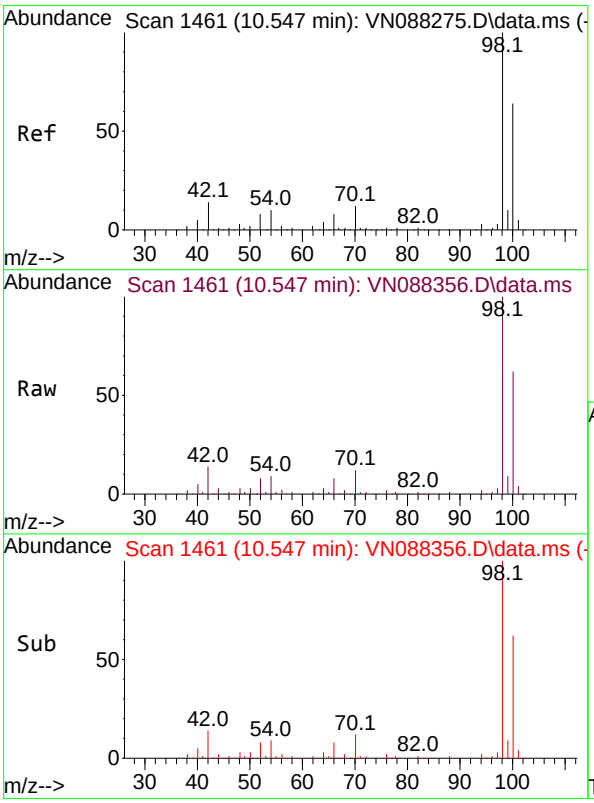
#60
4-Bromofluorobenzene
Concen: 25.187 ug/l
RT: 12.829 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN088356.D
Acq: 25 Nov 2025 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

Tgt Ion: 95 Resp: 104152

Ion	Ratio	Lower	Upper
95	100		
174	70.7	54.5	81.7
176	69.9	53.8	80.6

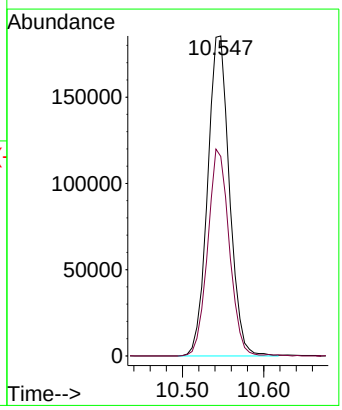




#63
Toluene-d8
Concen: 29.844 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088356.D
Acq: 25 Nov 2025 12:31

Tgt Ion: 98 Resp: 345623

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.6	77.4



Raw Data: **VN088365.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:	VN1126WBL01			SDG No.:	Q3700
Lab Sample ID:	VN1126WBL01			Matrix:	Water
Analytical Method:	E624.1	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-PP

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
74-87-3	Chloromethane	0.64	U	1	0.64	5.00	ug/L	11/26/25 10:36	VN112625
75-01-4	Vinyl Chloride	0.83	U	1	0.83	5.00	ug/L	11/26/25 10:36	VN112625
74-83-9	Bromomethane	0.80	U	1	0.80	5.00	ug/L	11/26/25 10:36	VN112625
75-00-3	Chloroethane	2.30	U	1	2.30	5.00	ug/L	11/26/25 10:36	VN112625
75-69-4	Trichlorofluoromethane	0.80	U	1	0.80	5.00	ug/L	11/26/25 10:36	VN112625
75-35-4	1,1-Dichloroethene	0.76	U	1	0.76	5.00	ug/L	11/26/25 10:36	VN112625
107-02-8	Acrolein	6.60	U	1	6.60	25.0	ug/L	11/26/25 10:36	VN112625
107-13-1	Acrylonitrile	2.80	U	1	2.80	25.0	ug/L	11/26/25 10:36	VN112625
75-09-2	Methylene Chloride	0.86	U	1	0.86	5.00	ug/L	11/26/25 10:36	VN112625
156-60-5	trans-1,2-Dichloroethene	0.82	U	1	0.82	5.00	ug/L	11/26/25 10:36	VN112625
75-34-3	1,1-Dichloroethane	0.68	U	1	0.68	5.00	ug/L	11/26/25 10:36	VN112625
56-23-5	Carbon Tetrachloride	0.74	U	1	0.74	5.00	ug/L	11/26/25 10:36	VN112625
67-66-3	Chloroform	0.55	U	1	0.55	5.00	ug/L	11/26/25 10:36	VN112625
71-55-6	1,1,1-Trichloroethane	0.63	U	1	0.63	5.00	ug/L	11/26/25 10:36	VN112625
71-43-2	Benzene	0.45	U	1	0.45	5.00	ug/L	11/26/25 10:36	VN112625
107-06-2	1,2-Dichloroethane	0.50	U	1	0.50	5.00	ug/L	11/26/25 10:36	VN112625
79-01-6	Trichloroethene	0.49	U	1	0.49	5.00	ug/L	11/26/25 10:36	VN112625
78-87-5	1,2-Dichloropropane	0.46	U	1	0.46	5.00	ug/L	11/26/25 10:36	VN112625
75-27-4	Bromodichloromethane	0.64	U	1	0.64	5.00	ug/L	11/26/25 10:36	VN112625
108-88-3	Toluene	0.46	U	1	0.46	5.00	ug/L	11/26/25 10:36	VN112625
10061-02-6	t-1,3-Dichloropropene	0.72	U	1	0.72	5.00	ug/L	11/26/25 10:36	VN112625
10061-01-5	cis-1,3-Dichloropropene	0.67	U	1	0.67	5.00	ug/L	11/26/25 10:36	VN112625
79-00-5	1,1,2-Trichloroethane	0.45	U	1	0.45	5.00	ug/L	11/26/25 10:36	VN112625
110-75-8	2-Chloroethyl vinyl ether	4.60	U	1	4.60	25.0	ug/L	11/26/25 10:36	VN112625
124-48-1	Dibromochloromethane	0.66	U	1	0.66	5.00	ug/L	11/26/25 10:36	VN112625
127-18-4	Tetrachloroethene	0.84	U	1	0.84	5.00	ug/L	11/26/25 10:36	VN112625
108-90-7	Chlorobenzene	0.47	U	1	0.47	5.00	ug/L	11/26/25 10:36	VN112625
100-41-4	Ethyl Benzene	0.56	U	1	0.56	5.00	ug/L	11/26/25 10:36	VN112625
179601-23-1	m/p-Xylenes	1.30	U	1	1.30	10.0	ug/L	11/26/25 10:36	VN112625
95-47-6	o-Xylene	0.67	U	1	0.67	5.00	ug/L	11/26/25 10:36	VN112625
75-25-2	Bromoform	0.94	U	1	0.94	5.00	ug/L	11/26/25 10:36	VN112625
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	1	0.44	5.00	ug/L	11/26/25 10:36	VN112625
541-73-1	1,3-Dichlorobenzene	0.67	U	1	0.67	5.00	ug/L	11/26/25 10:36	VN112625
106-46-7	1,4-Dichlorobenzene	0.81	U	1	0.81	5.00	ug/L	11/26/25 10:36	VN112625
95-50-1	1,2-Dichlorobenzene	0.67	U	1	0.67	5.00	ug/L	11/26/25 10:36	VN112625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	28.7			91 - 110	96%	SPK: 30		
2037-26-5	Toluene-d8	29.1			91 - 112	97%	SPK: 30		
460-00-4	4-Bromofluorobenzene	24.7			63 - 112	82%	SPK: 30		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	48600							
540-36-3	1,4-Difluorobenzene	247000							
3114-55-4	Chlorobenzene-d5	221000							

Raw Data: **VN088365.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:	VN1126WBL01			SDG No.:	Q3700
Lab Sample ID:	VN1126WBL01			Matrix:	Water
Analytical Method:	E624.1	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-PP

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID

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\VN112625\
Data File : VN088365.D
Acq On : 26 Nov 2025 10:36
Operator : JC\MD
Sample : VN1126WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBL01

Quant Time: Nov 27 00:10:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

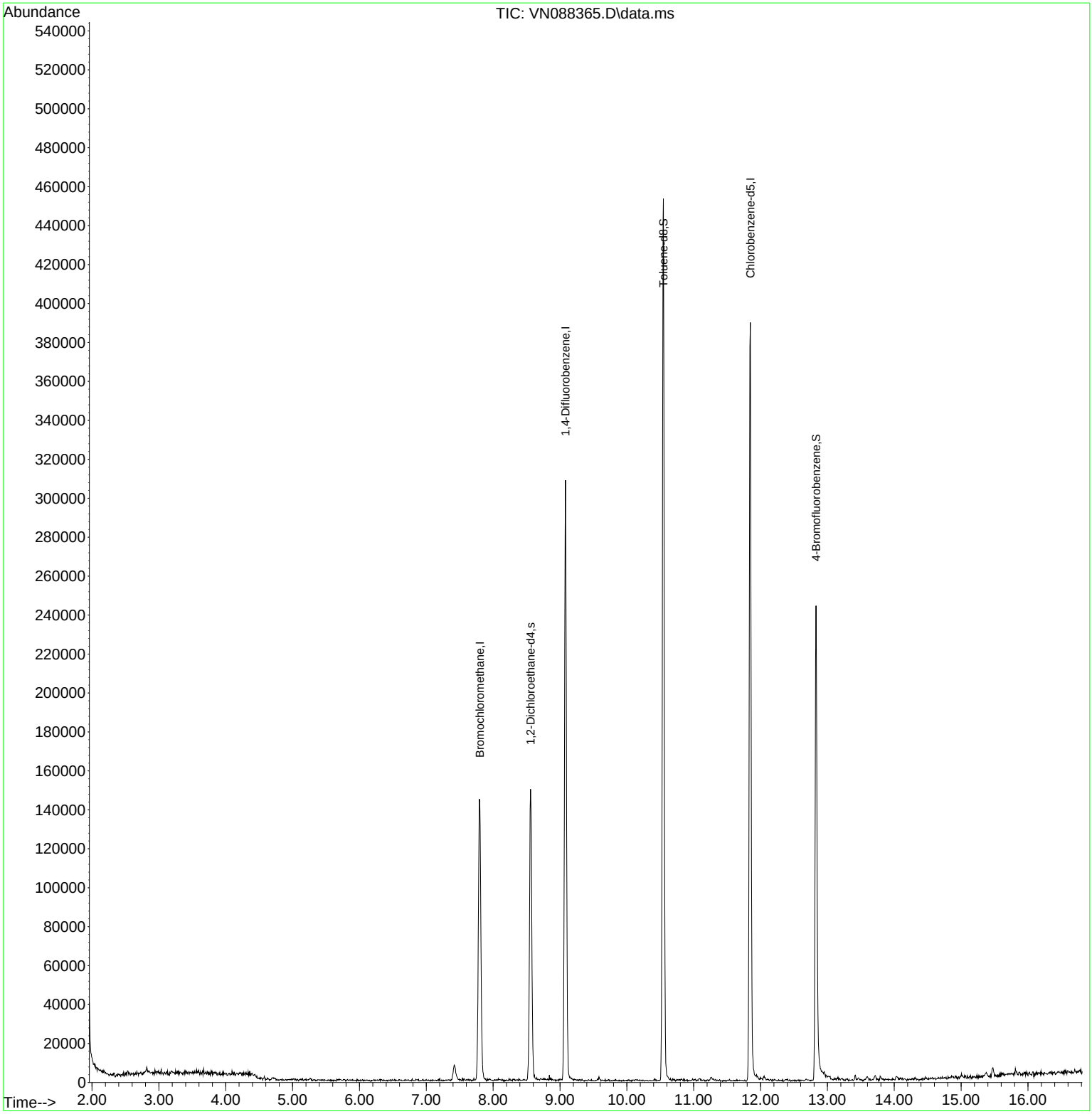
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	48647	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	246777	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	220989	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	127683	28.734	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 95.767%			
60) 4-Bromofluorobenzene	12.829	95	92288	24.704	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 82.333%			
63) Toluene-d8	10.547	98	304303	29.085	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.967%			
Target Compounds						Qvalue

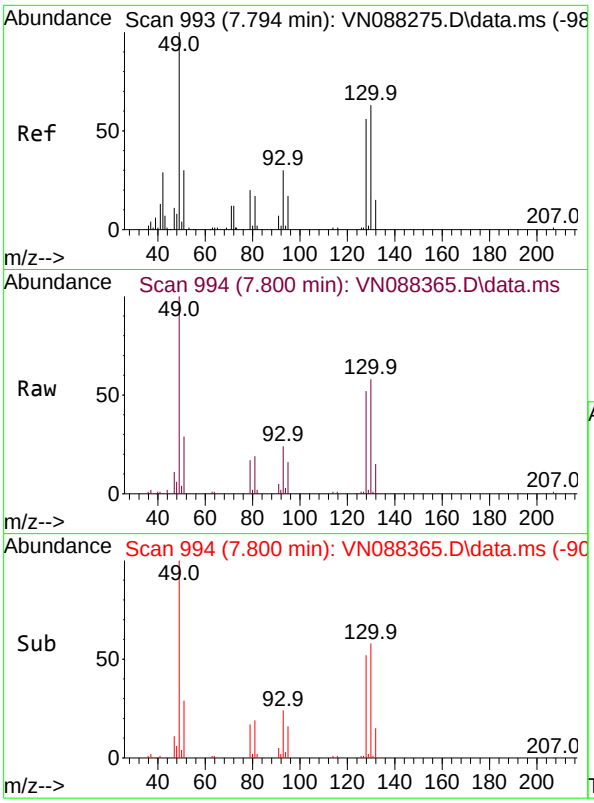
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112625\
Data File : VN088365.D
Acq On : 26 Nov 2025 10:36
Operator : JC\MD
Sample : VN1126WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBL01

Quant Time: Nov 27 00:10:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration



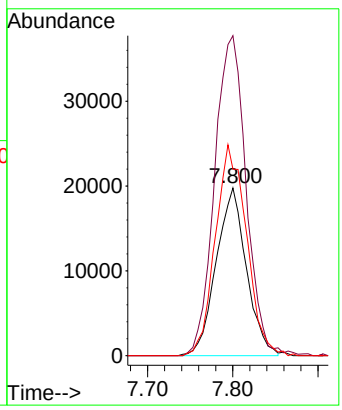


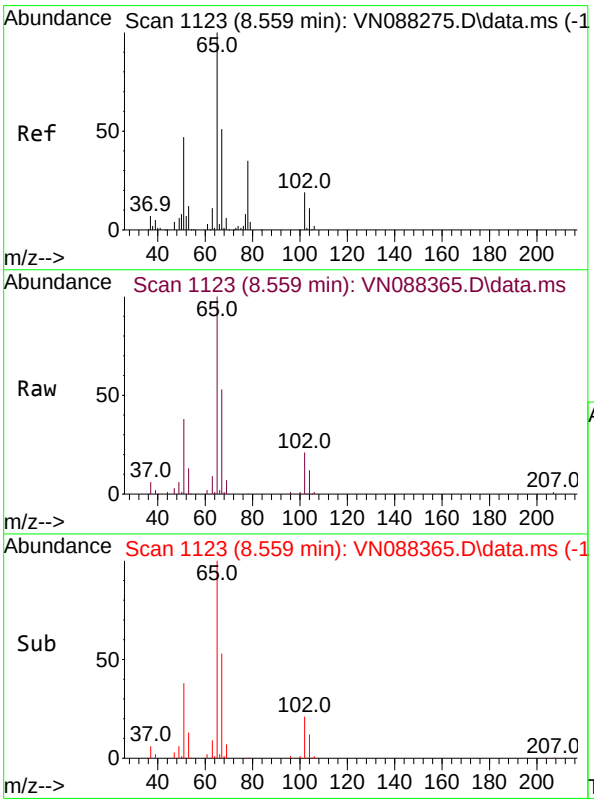
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 99
Delta R.T. 0.006 min
Lab File: VN088365.D
Acq: 26 Nov 2025 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBL01

Tgt Ion:128 Resp: 48647

Ion	Ratio	Lower	Upper
128	100		
49	197.5	0.0	501.2
130	130.0	0.0	320.2

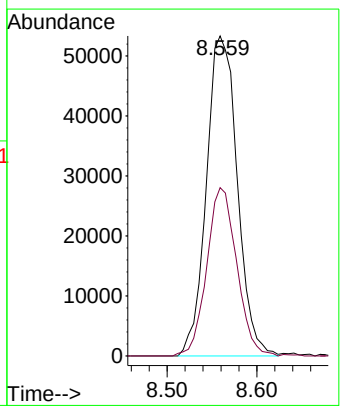


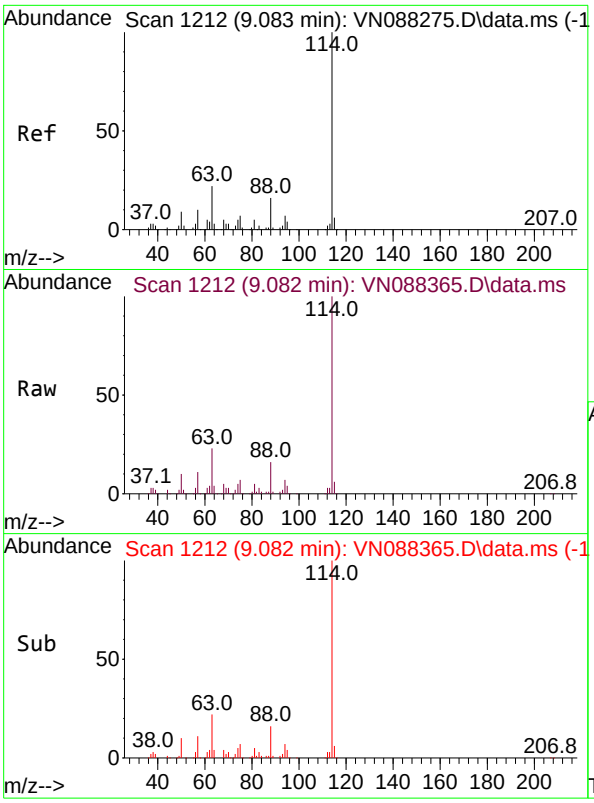


#27
1,2-Dichloroethane-d4
Concen: 28.734 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088365.D
Acq: 26 Nov 2025 10:36

Tgt Ion: 65 Resp: 127683

Ion	Ratio	Lower	Upper
65	100		
67	50.9	40.2	60.2



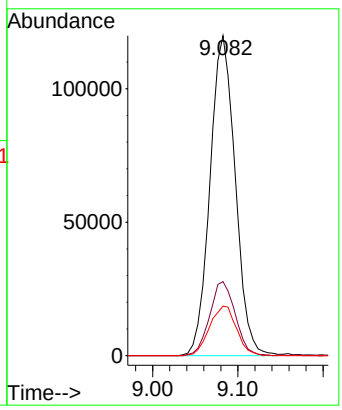


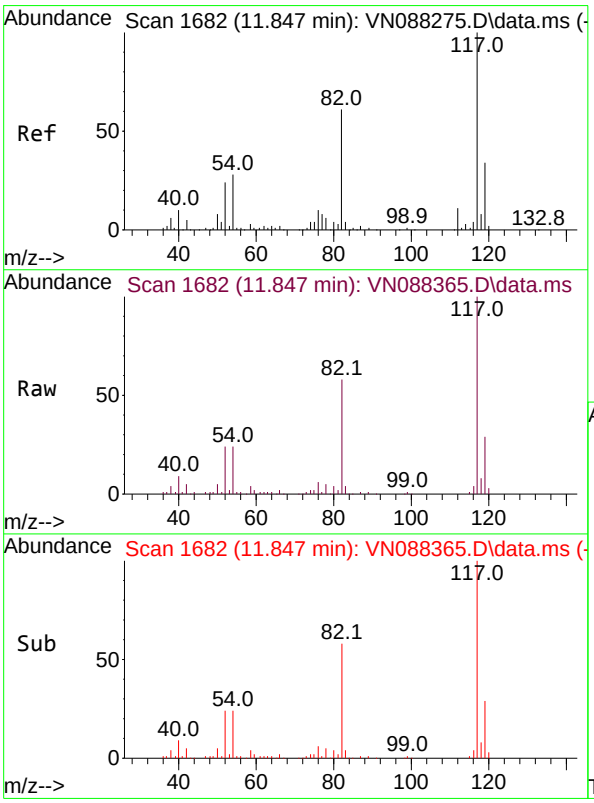
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088365.D
Acq: 26 Nov 2025 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBL01

Tgt Ion:114 Resp: 246777

Ion	Ratio	Lower	Upper
114	100		
63	23.4	18.9	28.3
88	16.4	12.8	19.2

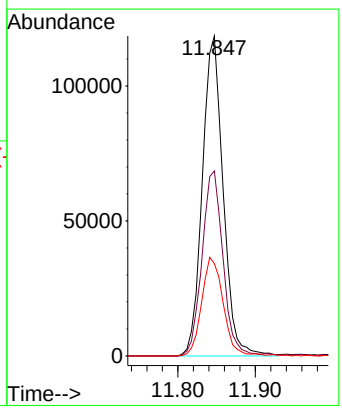


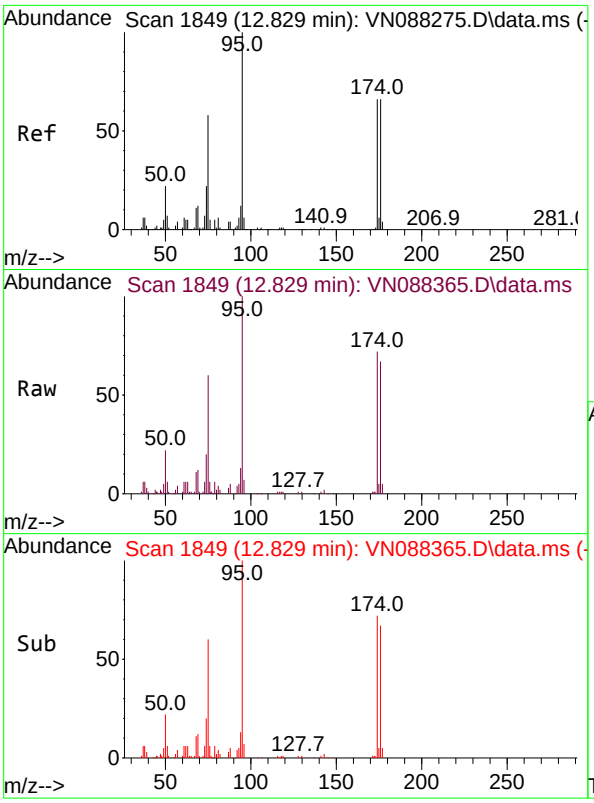


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN088365.D
Acq: 26 Nov 2025 10:36

Tgt Ion:117 Resp: 220989

Ion	Ratio	Lower	Upper
117	100		
82	58.3	49.3	73.9
119	31.4	26.4	39.6



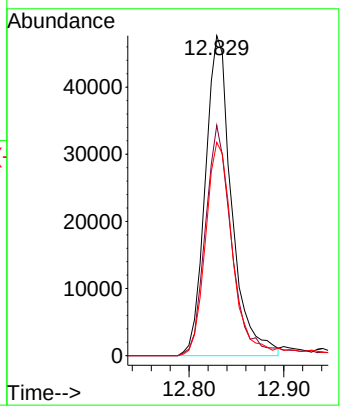


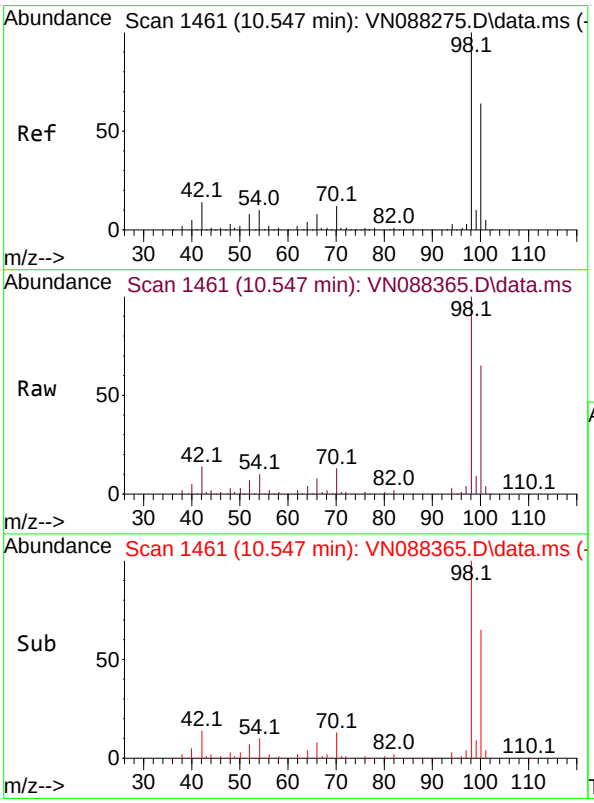
#60
4-Bromofluorobenzene
Concen: 24.704 ug/l
RT: 12.829 min Scan# 18
Delta R.T. -0.000 min
Lab File: VN088365.D
Acq: 26 Nov 2025 10:36

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBL01

Tgt Ion: 95 Resp: 92288

Ion	Ratio	Lower	Upper
95	100		
174	70.7	54.5	81.7
176	67.6	53.8	80.6

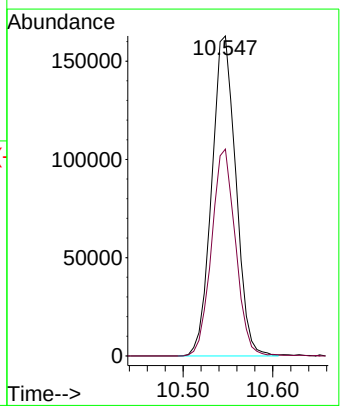




#63
Toluene-d8
Concen: 29.085 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088365.D
Acq: 26 Nov 2025 10:36

Tgt Ion: 98 Resp: 304303

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4



Raw Data: **VN088354.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:	VN1125WBS01			SDG No.:	Q3700
Lab Sample ID:	VN1125WBS01			Matrix:	Water
Analytical Method:	E624.1	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-PP

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
74-87-3	Chloromethane	19.5		1	0.64	5.00	ug/L	11/25/25 11:36	VN112525
75-01-4	Vinyl Chloride	18.4		1	0.83	5.00	ug/L	11/25/25 11:36	VN112525
74-83-9	Bromomethane	17.3		1	0.80	5.00	ug/L	11/25/25 11:36	VN112525
75-00-3	Chloroethane	18.8		1	2.30	5.00	ug/L	11/25/25 11:36	VN112525
75-69-4	Trichlorofluoromethane	18.6		1	0.80	5.00	ug/L	11/25/25 11:36	VN112525
75-35-4	1,1-Dichloroethene	18.7		1	0.76	5.00	ug/L	11/25/25 11:36	VN112525
107-02-8	Acrolein	160		1	6.60	25.0	ug/L	11/25/25 11:36	VN112525
107-13-1	Acrylonitrile	98.5		1	2.80	25.0	ug/L	11/25/25 11:36	VN112525
75-09-2	Methylene Chloride	19.0		1	0.86	5.00	ug/L	11/25/25 11:36	VN112525
156-60-5	trans-1,2-Dichloroethene	18.4		1	0.82	5.00	ug/L	11/25/25 11:36	VN112525
75-34-3	1,1-Dichloroethane	18.4		1	0.68	5.00	ug/L	11/25/25 11:36	VN112525
56-23-5	Carbon Tetrachloride	20.2		1	0.74	5.00	ug/L	11/25/25 11:36	VN112525
67-66-3	Chloroform	19.2		1	0.55	5.00	ug/L	11/25/25 11:36	VN112525
71-55-6	1,1,1-Trichloroethane	20.6		1	0.63	5.00	ug/L	11/25/25 11:36	VN112525
71-43-2	Benzene	20.3		1	0.45	5.00	ug/L	11/25/25 11:36	VN112525
107-06-2	1,2-Dichloroethane	20.4		1	0.50	5.00	ug/L	11/25/25 11:36	VN112525
79-01-6	Trichloroethene	21.0		1	0.49	5.00	ug/L	11/25/25 11:36	VN112525
78-87-5	1,2-Dichloropropane	21.0		1	0.46	5.00	ug/L	11/25/25 11:36	VN112525
75-27-4	Bromodichloromethane	20.8		1	0.64	5.00	ug/L	11/25/25 11:36	VN112525
108-88-3	Toluene	20.8		1	0.46	5.00	ug/L	11/25/25 11:36	VN112525
10061-02-6	t-1,3-Dichloropropene	19.2		1	0.72	5.00	ug/L	11/25/25 11:36	VN112525
10061-01-5	cis-1,3-Dichloropropene	20.6		1	0.67	5.00	ug/L	11/25/25 11:36	VN112525
79-00-5	1,1,2-Trichloroethane	20.8		1	0.45	5.00	ug/L	11/25/25 11:36	VN112525
110-75-8	2-Chloroethyl vinyl ether	100		1	4.60	25.0	ug/L	11/25/25 11:36	VN112525
124-48-1	Dibromochloromethane	20.7		1	0.66	5.00	ug/L	11/25/25 11:36	VN112525
127-18-4	Tetrachloroethene	25.9		1	0.84	5.00	ug/L	11/25/25 11:36	VN112525
108-90-7	Chlorobenzene	20.5		1	0.47	5.00	ug/L	11/25/25 11:36	VN112525
100-41-4	Ethyl Benzene	20.1		1	0.56	5.00	ug/L	11/25/25 11:36	VN112525
179601-23-1	m/p-Xylenes	40.1		1	1.30	10.0	ug/L	11/25/25 11:36	VN112525
95-47-6	o-Xylene	20.0		1	0.67	5.00	ug/L	11/25/25 11:36	VN112525
75-25-2	Bromoform	20.3		1	0.94	5.00	ug/L	11/25/25 11:36	VN112525
79-34-5	1,1,2,2-Tetrachloroethane	19.8		1	0.44	5.00	ug/L	11/25/25 11:36	VN112525
541-73-1	1,3-Dichlorobenzene	19.4		1	0.67	5.00	ug/L	11/25/25 11:36	VN112525
106-46-7	1,4-Dichlorobenzene	20.0		1	0.81	5.00	ug/L	11/25/25 11:36	VN112525
95-50-1	1,2-Dichlorobenzene	19.9		1	0.67	5.00	ug/L	11/25/25 11:36	VN112525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	28.5			91 - 110	95%	SPK: 30		
2037-26-5	Toluene-d8	31.0			91 - 112	103%	SPK: 30		
460-00-4	4-Bromofluorobenzene	28.5			63 - 112	95%	SPK: 30		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	57200							
540-36-3	1,4-Difluorobenzene	285000							
3114-55-4	Chlorobenzene-d5	251000							

Raw Data: **VN088354.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:	VN1125WBS01			SDG No.:	Q3700
Lab Sample ID:	VN1125WBS01			Matrix:	Water
Analytical Method:	E624.1	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-PP

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID

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

Sample Results: **VN088354.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088354.D
Acq On : 25 Nov 2025 11:36
Operator : JC\MD
Sample : VN1125WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 26 00:16:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone
11/26/2025
Supervised By :Mahesh Dadoda
11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	57156	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	284593	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	251170	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	148623	28.467	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 94.900%			
60) 4-Bromofluorobenzene	12.829	95	121015	28.502	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.000%			
63) Toluene-d8	10.547	98	368703	31.006	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.367%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	75739	18.851	ug/l	96
3) Chloromethane	2.389	50	80767	19.497	ug/l	98
4) Vinyl Chloride	2.536	62	80381	18.351	ug/l	98
5) Bromomethane	2.989	94	40425	17.309	ug/l	89
6) Chloroethane	3.142	64	50868	18.788	ug/l	96
7) Trichlorofluoromethane	3.512	101	114158	18.590	ug/l	92
8) Diethyl Ether	3.965	74	43923	19.137	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	61900	19.214	ug/l	79
10) 1,1-Dichloroethene	4.342	96	58729	18.686	ug/l	96
11) Methyl Iodide	4.589	142	57383	17.156	ug/l	90
12) Methyl Acetate	5.012	43	107579	21.217	ug/l	92
13) Acrolein	4.177	56	121857	163.345	ug/l	99
14) Acrylonitrile	5.706	53	226871	98.469	ug/l	98
15) Acetone	4.418	58	51351	76.215	ug/l	94
16) Carbon Disulfide	4.712	76	191112	18.030	ug/l	100
17) Allyl chloride	5.018	41	109271	17.891	ug/l	96
18) Methylene Chloride	5.265	84	74112	18.971	ug/l	98
19) trans-1,2-Dichloroethene	5.771	96	67199	18.361	ug/l	95
20) Diisopropyl ether	6.659	45	255743	19.595	ug/l	91
21) 1,1-Dichloroethane	6.553	63	135317	18.403	ug/l	97
22) cis-1,2-Dichloroethene	7.471	96	80556	18.938	ug/l	95
23) tert-Butyl Alcohol	5.512	59	75029	88.562	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	242048	19.101	ug/l	99
25) Chloroform	7.947	83	139866	19.197	ug/l	100
26) Cyclohexane	8.241	56	117093	18.853	ug/l #	94
29) 1,1-Dichloropropene	8.353	75	91496	19.268	ug/l	98
30) 2-Butanone	7.465	43	296062	96.385	ug/l	98
31) 2,2-Dichloropropane	7.477	77	113468	19.374	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	120481	20.582	ug/l	97
33) Carbon Tetrachloride	8.341	117	101155	20.236	ug/l	92
34) Benzene	8.588	78	287622	20.264	ug/l	96
35) Methacrylonitrile	7.759	41	65796	20.536	ug/l	95
36) 1,2-Dichloroethane	8.653	62	112754	20.412	ug/l	99
37) Trichloroethene	9.329	130	67526	20.993	ug/l	99
38) Methylcyclohexane	9.582	83	102548	18.837	ug/l	99
39) 1,2-Dichloropropane	9.600	63	76729	20.953	ug/l	97
40) Dibromomethane	9.688	93	55518	21.101	ug/l	98
41) Bromodichloromethane	9.865	83	110311	20.827	ug/l	94
42) Vinyl Acetate	6.588	43	1141709	111.364	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088354.D
Acq On : 25 Nov 2025 11:36
Operator : JC\MD
Sample : VN1125WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 26 00:16:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone
11/26/2025
Supervised By :Mahesh Dadoda
11/26/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.547	43	120574	19.509 ug/l	99
44) Isopropyl Acetate	8.671	43	197751	20.762 ug/l	100
45) 1,4-Dioxane	9.682	88	24781	432.052 ug/l	96
46) Methyl methacrylate	9.665	41	92156	20.677 ug/l	92
47) n-amyl Acetate	12.688	43	87523m	18.134 ug/l	
48) t-1,3-Dichloropropene	10.818	75	108515	19.155 ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	121530	20.618 ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	67719	20.815 ug/l	97
51) Ethyl methacrylate	10.853	69	107966	20.171 ug/l	98
52) 1,3-Dichloropropane	11.141	76	124545	21.020 ug/l	99
53) Dibromochloromethane	11.335	129	77198	20.658 ug/l	96
54) 1,2-Dibromoethane	11.447	107	69311	20.504 ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	313016	101.518 ug/l	99
56) Bromoform	12.559	173	47920	20.259 ug/l	96
58) 4-Methyl-2-Pentanone	10.424	43	645267	113.586 ug/l	99
59) 2-Hexanone	11.176	43	405741	107.560 ug/l	97
61) Tetrachloroethene	11.082	164	67061	25.896 ug/l	91
62) Toluene	10.612	91	299742	20.796 ug/l	98
64) Chlorobenzene	11.871	112	183421	20.547 ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.935	131	63859	20.900 ug/l	96
66) Ethyl Benzene	11.941	91	318781	20.067 ug/l	100
67) m/p-Xylenes	12.047	106	238172	40.091 ug/l	97
68) o-Xylene	12.376	106	112340	20.046 ug/l	97
69) Styrene	12.388	104	185873	19.528 ug/l	99
70) Isopropylbenzene	12.676	105	286728	19.306 ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	95283	19.806 ug/l	100
72) 1,2,3-Trichloropropane	12.976	75	102042m	21.894 ug/l	
73) Bromobenzene	12.959	156	68337	20.381 ug/l	93
74) n-propylbenzene	13.012	91	364283	19.820 ug/l	100
75) 2-Chlorotoluene	13.106	91	213493	19.102 ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	242400	19.444 ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	31021	19.382 ug/l	88
78) 4-Chlorotoluene	13.200	91	220146	19.438 ug/l	99
79) tert-butylbenzene	13.412	119	196566	18.416 ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	234777	18.938 ug/l	98
81) sec-Butylbenzene	13.594	105	296159	19.024 ug/l	99
82) p-Isopropyltoluene	13.706	119	236561	18.389 ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	126300	19.388 ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	131856	19.986 ug/l	99
85) n-Butylbenzene	14.035	91	225791	18.417 ug/l	99
86) Hexachloroethane	14.306	117	42647	17.315 ug/l	99
87) 1,2-Dichlorobenzene	14.082	146	122631	19.943 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	21909	19.375 ug/l	96
89) 1,2,4-Trichlorobenzene	15.817	180	68912	19.971 ug/l	98
90) Hexachlorobutadiene	15.470	225	25670	19.156 ug/l	96
91) Naphthalene	15.617	128	242838	19.450 ug/l	99
92) 1,2,3-Trichlorobenzene	15.817	180	68912	19.971 ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088354.D
Acq On : 25 Nov 2025 11:36
Operator : JC\MD
Sample : VN1125WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 26 00:16:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBS01

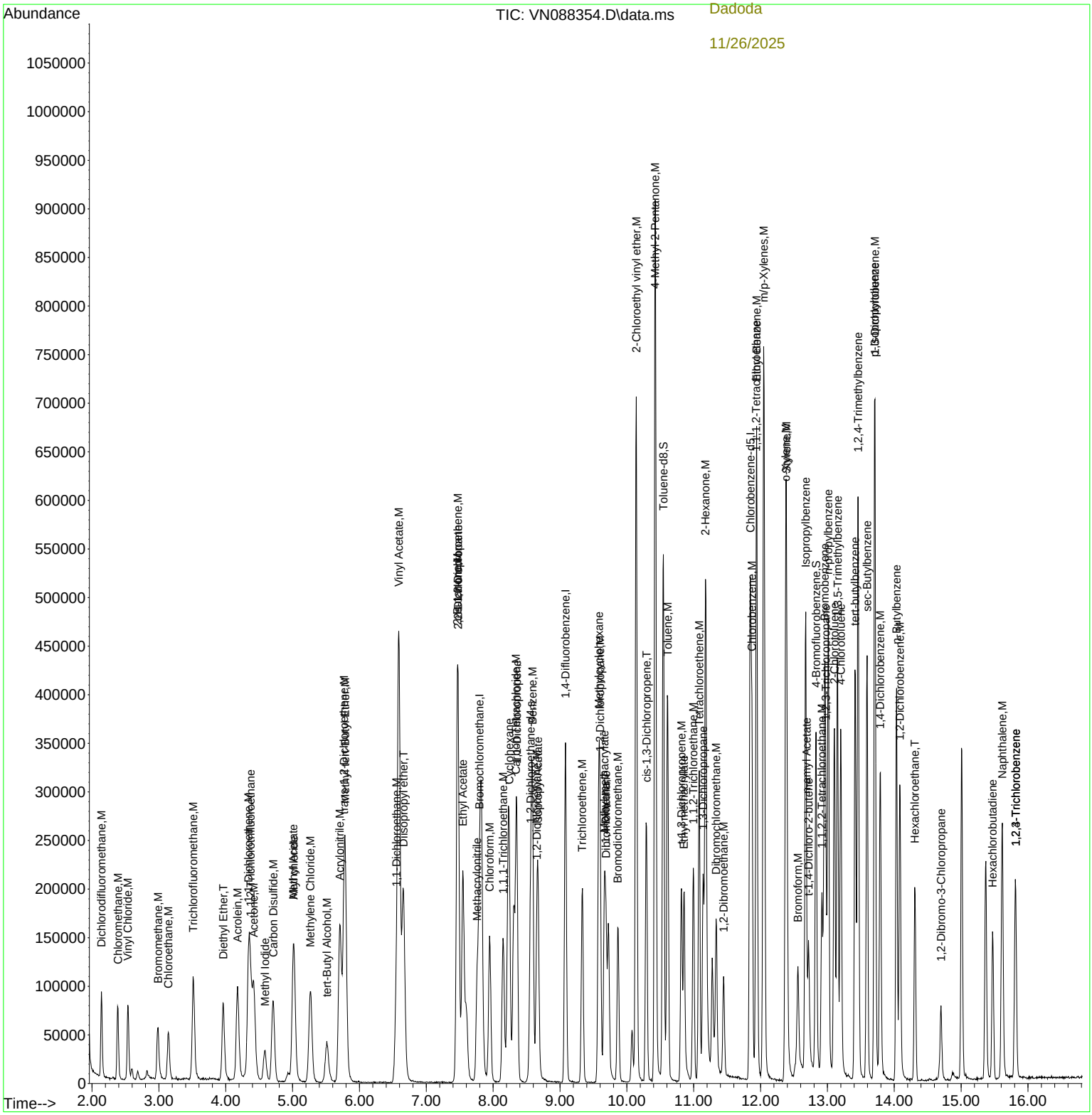
Manual Integrations APPROVED

Reviewed By :John Carlone

11/26/2025

Supervised By :Mahesh Dadoda

11/26/2025



Raw Data: **VN088363.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:	VN1126WBS01			SDG No.:	Q3700
Lab Sample ID:	VN1126WBS01			Matrix:	Water
Analytical Method:	E624.1	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-PP

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
74-87-3	Chloromethane	19.1		1	0.64	5.00	ug/L	11/26/25 09:42	VN112625
75-01-4	Vinyl Chloride	19.2		1	0.83	5.00	ug/L	11/26/25 09:42	VN112625
74-83-9	Bromomethane	16.8		1	0.80	5.00	ug/L	11/26/25 09:42	VN112625
75-00-3	Chloroethane	19.1		1	2.30	5.00	ug/L	11/26/25 09:42	VN112625
75-69-4	Trichlorofluoromethane	19.7		1	0.80	5.00	ug/L	11/26/25 09:42	VN112625
75-35-4	1,1-Dichloroethene	19.8		1	0.76	5.00	ug/L	11/26/25 09:42	VN112625
107-02-8	Acrolein	150		1	6.60	25.0	ug/L	11/26/25 09:42	VN112625
107-13-1	Acrylonitrile	93.2		1	2.80	25.0	ug/L	11/26/25 09:42	VN112625
75-09-2	Methylene Chloride	18.4		1	0.86	5.00	ug/L	11/26/25 09:42	VN112625
156-60-5	trans-1,2-Dichloroethene	18.7		1	0.82	5.00	ug/L	11/26/25 09:42	VN112625
75-34-3	1,1-Dichloroethane	19.0		1	0.68	5.00	ug/L	11/26/25 09:42	VN112625
56-23-5	Carbon Tetrachloride	18.8		1	0.74	5.00	ug/L	11/26/25 09:42	VN112625
67-66-3	Chloroform	18.8		1	0.55	5.00	ug/L	11/26/25 09:42	VN112625
71-55-6	1,1,1-Trichloroethane	19.9		1	0.63	5.00	ug/L	11/26/25 09:42	VN112625
71-43-2	Benzene	19.7		1	0.45	5.00	ug/L	11/26/25 09:42	VN112625
107-06-2	1,2-Dichloroethane	18.4		1	0.50	5.00	ug/L	11/26/25 09:42	VN112625
79-01-6	Trichloroethene	20.6		1	0.49	5.00	ug/L	11/26/25 09:42	VN112625
78-87-5	1,2-Dichloropropane	19.4		1	0.46	5.00	ug/L	11/26/25 09:42	VN112625
75-27-4	Bromodichloromethane	19.0		1	0.64	5.00	ug/L	11/26/25 09:42	VN112625
108-88-3	Toluene	19.6		1	0.46	5.00	ug/L	11/26/25 09:42	VN112625
10061-02-6	t-1,3-Dichloropropene	18.0		1	0.72	5.00	ug/L	11/26/25 09:42	VN112625
10061-01-5	cis-1,3-Dichloropropene	19.0		1	0.67	5.00	ug/L	11/26/25 09:42	VN112625
79-00-5	1,1,2-Trichloroethane	19.4		1	0.45	5.00	ug/L	11/26/25 09:42	VN112625
110-75-8	2-Chloroethyl vinyl ether	95.1		1	4.60	25.0	ug/L	11/26/25 09:42	VN112625
124-48-1	Dibromochloromethane	19.1		1	0.66	5.00	ug/L	11/26/25 09:42	VN112625
127-18-4	Tetrachloroethene	23.9		1	0.84	5.00	ug/L	11/26/25 09:42	VN112625
108-90-7	Chlorobenzene	19.1		1	0.47	5.00	ug/L	11/26/25 09:42	VN112625
100-41-4	Ethyl Benzene	18.8		1	0.56	5.00	ug/L	11/26/25 09:42	VN112625
179601-23-1	m/p-Xylenes	38.2		1	1.30	10.0	ug/L	11/26/25 09:42	VN112625
95-47-6	o-Xylene	18.8		1	0.67	5.00	ug/L	11/26/25 09:42	VN112625
75-25-2	Bromoform	18.5		1	0.94	5.00	ug/L	11/26/25 09:42	VN112625
79-34-5	1,1,2,2-Tetrachloroethane	17.4		1	0.44	5.00	ug/L	11/26/25 09:42	VN112625
541-73-1	1,3-Dichlorobenzene	18.7		1	0.67	5.00	ug/L	11/26/25 09:42	VN112625
106-46-7	1,4-Dichlorobenzene	18.8		1	0.81	5.00	ug/L	11/26/25 09:42	VN112625
95-50-1	1,2-Dichlorobenzene	18.2		1	0.67	5.00	ug/L	11/26/25 09:42	VN112625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	28.0			91 - 110	93%	SPK: 30		
2037-26-5	Toluene-d8	30.0			91 - 112	100%	SPK: 30		
460-00-4	4-Bromofluorobenzene	27.7			63 - 112	92%	SPK: 30		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	57500							
540-36-3	1,4-Difluorobenzene	302000							
3114-55-4	Chlorobenzene-d5	272000							

Raw Data: **VN088363.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:	VN1126WBS01			SDG No.:	Q3700
Lab Sample ID:	VN1126WBS01			Matrix:	Water
Analytical Method:	E624.1	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-PP

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID

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\VN112625\
Data File : VN088363.D
Acq On : 26 Nov 2025 09:42
Operator : JC\MD
Sample : VN1126WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 27 00:08:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.794	128	57477	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.083	114	302288	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	272302	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	147107	28.019	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 93.400%				
60) 4-Bromofluorobenzene	12.829	95	127582	27.716	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.400%				
63) Toluene-d8	10.547	98	386682	29.994	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.967%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	81075	20.067	ug/l		96
3) Chloromethane	2.383	50	79761	19.147	ug/l		97
4) Vinyl Chloride	2.536	62	84515	19.187	ug/l		95
5) Bromomethane	2.989	94	39403	16.777	ug/l		94
6) Chloroethane	3.148	64	51891	19.059	ug/l		91
7) Trichlorofluoromethane	3.512	101	121589	19.689	ug/l		97
8) Diethyl Ether	3.965	74	40620	17.599	ug/l		93
9) 1,1,2-Trichlorotrifluo...	4.371	101	65513	20.222	ug/l		98
10) 1,1-Dichloroethene	4.336	96	62482	19.769	ug/l		96
11) Methyl Iodide	4.589	142	60075	17.861	ug/l	#	82
12) Methyl Acetate	5.018	43	99145	19.444	ug/l		97
13) Acrolein	4.177	56	113629	151.465	ug/l		99
14) Acrylonitrile	5.706	53	215838	93.157	ug/l		98
15) Acetone	4.424	58	45393	66.996	ug/l		89
16) Carbon Disulfide	4.706	76	200210	18.782	ug/l		99
17) Allyl chloride	5.018	41	104679	17.043	ug/l		99
18) Methylene Chloride	5.271	84	72125	18.359	ug/l		91
19) trans-1,2-Dichloroethene	5.777	96	68653	18.654	ug/l		97
20) Diisopropyl ether	6.653	45	243039	18.518	ug/l		99
21) 1,1-Dichloroethane	6.553	63	140764	19.037	ug/l		98
22) cis-1,2-Dichloroethene	7.471	96	81177	18.977	ug/l		94
23) tert-Butyl Alcohol	5.512	59	68773	80.724	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	228419	17.925	ug/l		97
25) Chloroform	7.947	83	137728	18.798	ug/l		99
26) Cyclohexane	8.236	56	116406	18.638	ug/l	#	95
29) 1,1-Dichloropropene	8.353	75	99578	19.743	ug/l		99
30) 2-Butanone	7.471	43	266992	81.833	ug/l		99
31) 2,2-Dichloropropane	7.477	77	121604	19.547	ug/l		100
32) 1,1,1-Trichloroethane	8.147	97	123495	19.862	ug/l		98
33) Carbon Tetrachloride	8.347	117	99665	18.771	ug/l		99
34) Benzene	8.588	78	296637	19.676	ug/l		100
35) Methacrylonitrile	7.765	41	59999	17.630	ug/l		95
36) 1,2-Dichloroethane	8.653	62	108221	18.444	ug/l		99
37) Trichloroethene	9.335	130	70279	20.570	ug/l		96
38) Methylcyclohexane	9.583	83	111054	19.205	ug/l		99
39) 1,2-Dichloropropane	9.606	63	75335	19.368	ug/l		92
40) Dibromomethane	9.688	93	52027	18.617	ug/l		94
41) Bromodichloromethane	9.865	83	106856	18.994	ug/l		99
42) Vinyl Acetate	6.589	43	955530	87.748	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112625\
Data File : VN088363.D
Acq On : 26 Nov 2025 09:42
Operator : JC\MD
Sample : VN1126WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 27 00:08:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.547	43	128419	19.562 ug/l	99
44) Isopropyl Acetate	8.671	43	186701	18.455 ug/l	98
45) 1,4-Dioxane	9.677	88	22875	375.475 ug/l	96
46) Methyl methacrylate	9.665	41	85582	18.078 ug/l	83
47) n-amyl Acetate	12.682	43	88539m	17.271 ug/l	
48) t-1,3-Dichloropropene	10.818	75	108144	17.972 ug/l	91
49) cis-1,3-Dichloropropene	10.294	75	118722	18.963 ug/l	97
50) 1,1,2-Trichloroethane	10.994	97	66888	19.356 ug/l	98
51) Ethyl methacrylate	10.859	69	100728	17.717 ug/l	95
52) 1,3-Dichloropropane	11.141	76	119638	19.010 ug/l	100
53) Dibromochloromethane	11.341	129	75782	19.092 ug/l	98
54) 1,2-Dibromoethane	11.447	107	66352	18.480 ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	311576	95.136 ug/l	99
56) Bromoform	12.559	173	46503	18.509 ug/l	100
58) 4-Methyl-2-Pentanone	10.424	43	594736	96.567 ug/l	99
59) 2-Hexanone	11.177	43	363870	88.974 ug/l	99
61) Tetrachloroethene	11.082	164	67205	23.938 ug/l	93
62) Toluene	10.606	91	306313	19.602 ug/l	98
64) Chlorobenzene	11.871	112	184521	19.066 ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.941	131	63878	19.284 ug/l	96
66) Ethyl Benzene	11.941	91	324281	18.829 ug/l	99
67) m/p-Xylenes	12.047	106	245747	38.156 ug/l	97
68) o-Xylene	12.376	106	114162	18.790 ug/l	94
69) Styrene	12.394	104	189232	18.338 ug/l	99
70) Isopropylbenzene	12.676	105	303454	18.846 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	91007	17.449 ug/l	99
72) 1,2,3-Trichloropropane	12.976	75	86357m	17.091 ug/l	
73) Bromobenzene	12.959	156	68423	18.823 ug/l	97
74) n-propylbenzene	13.012	91	380417	19.091 ug/l	99
75) 2-Chlorotoluene	13.106	91	221828	18.308 ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	250647	18.545 ug/l	98
77) t-1,4-Dichloro-2-butene	12.718	75	29597	17.057 ug/l	94
78) 4-Chlorotoluene	13.200	91	224829	18.311 ug/l	97
79) tert-butylbenzene	13.418	119	212723	18.383 ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	243363	18.108 ug/l	98
81) sec-Butylbenzene	13.594	105	311218	18.440 ug/l	99
82) p-Isopropyltoluene	13.706	119	257559	18.468 ug/l	98
83) 1,3-Dichlorobenzene	13.712	146	131927	18.680 ug/l	99
84) 1,4-Dichlorobenzene	13.794	146	134726	18.837 ug/l	98
85) n-Butylbenzene	14.035	91	242689	18.259 ug/l	99
86) Hexachloroethane	14.312	117	44121	16.523 ug/l	97
87) 1,2-Dichlorobenzene	14.082	146	121454	18.219 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	21042	17.164 ug/l	96
89) 1,2,4-Trichlorobenzene	15.812	180	70316	18.797 ug/l	97
90) Hexachlorobutadiene	15.470	225	28055	19.311 ug/l	99
91) Naphthalene	15.617	128	235066	17.367 ug/l	99
92) 1,2,3-Trichlorobenzene	15.812	180	70316	18.797 ug/l	97

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

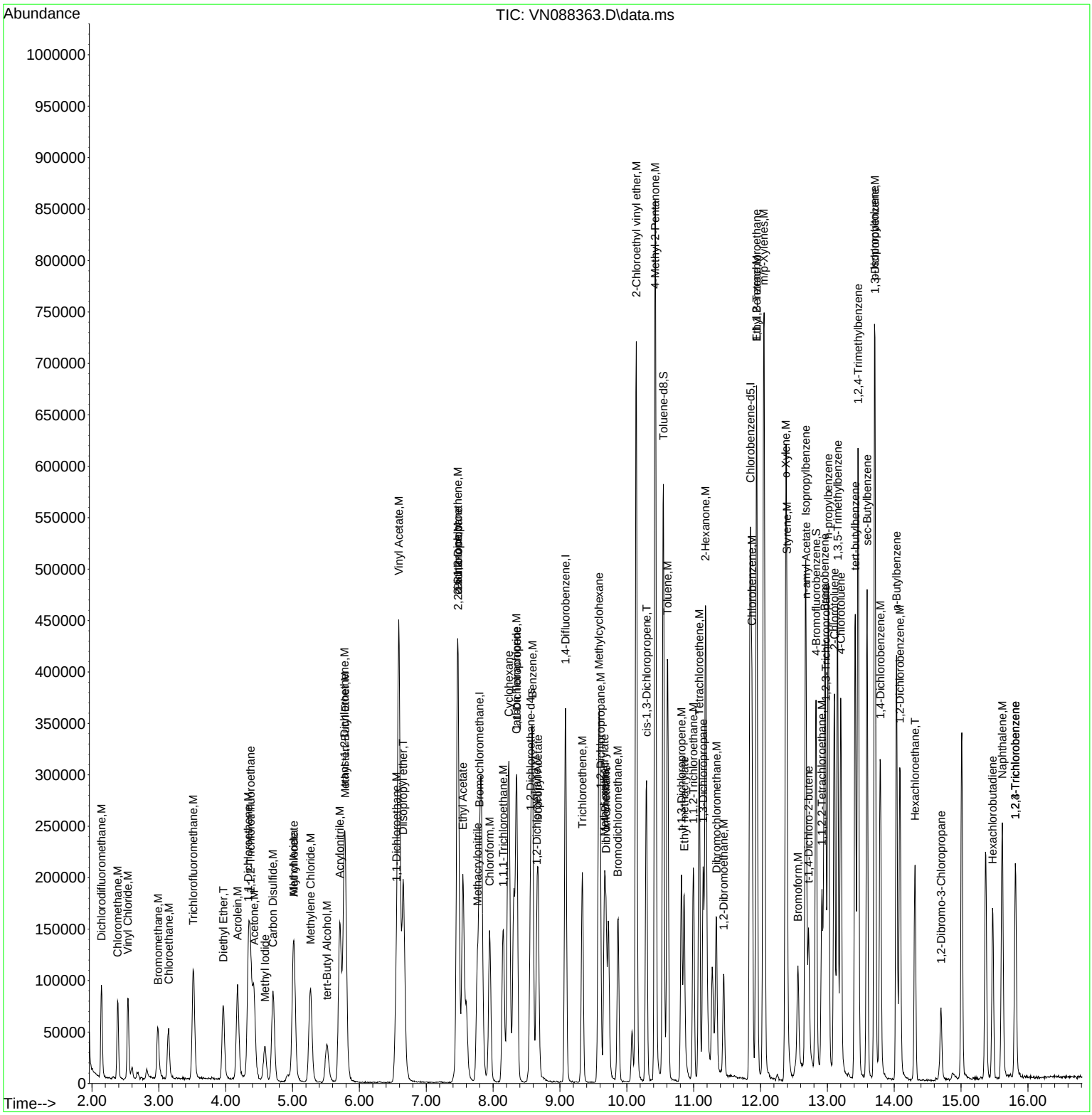
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112625\
Data File : VN088363.D
Acq On : 26 Nov 2025 09:42
Operator : JC\MD
Sample : VN1126WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 27 00:08:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1126WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



Raw Data: **VN088360.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:	11/20/25
Project:	PVSC Monthly 2025			Date Received:	11/20/25
Client Sample ID:	EFF-WWMS			SDG No.:	Q3700
Lab Sample ID:	Q3700-02MS			Matrix:	Water
Analytical Method:	E624.1	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-PP

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
74-87-3	Chloromethane	100		5	3.20	25.0	ug/L	11/25/25 14:06	VN112525
75-01-4	Vinyl Chloride	98.1		5	4.20	25.0	ug/L	11/25/25 14:06	VN112525
74-83-9	Bromomethane	84.2		5	4.00	25.0	ug/L	11/25/25 14:06	VN112525
75-00-3	Chloroethane	95.5		5	11.6	25.0	ug/L	11/25/25 14:06	VN112525
75-69-4	Trichlorofluoromethane	99.1		5	4.00	25.0	ug/L	11/25/25 14:06	VN112525
75-35-4	1,1-Dichloroethene	100		5	3.80	25.0	ug/L	11/25/25 14:06	VN112525
107-02-8	Acrolein	870		5	33.1	130	ug/L	11/25/25 14:06	VN112525
107-13-1	Acrylonitrile	540		5	14.0	130	ug/L	11/25/25 14:06	VN112525
75-09-2	Methylene Chloride	100		5	4.30	25.0	ug/L	11/25/25 14:06	VN112525
156-60-5	trans-1,2-Dichloroethene	99.4		5	4.10	25.0	ug/L	11/25/25 14:06	VN112525
75-34-3	1,1-Dichloroethane	99.6		5	3.40	25.0	ug/L	11/25/25 14:06	VN112525
56-23-5	Carbon Tetrachloride	99.9		5	3.70	25.0	ug/L	11/25/25 14:06	VN112525
67-66-3	Chloroform	120		5	2.80	25.0	ug/L	11/25/25 14:06	VN112525
71-55-6	1,1,1-Trichloroethane	100		5	3.20	25.0	ug/L	11/25/25 14:06	VN112525
71-43-2	Benzene	110		5	2.30	25.0	ug/L	11/25/25 14:06	VN112525
107-06-2	1,2-Dichloroethane	100		5	2.50	25.0	ug/L	11/25/25 14:06	VN112525
79-01-6	Trichloroethene	110		5	2.50	25.0	ug/L	11/25/25 14:06	VN112525
78-87-5	1,2-Dichloropropane	110		5	2.30	25.0	ug/L	11/25/25 14:06	VN112525
75-27-4	Bromodichloromethane	110		5	3.20	25.0	ug/L	11/25/25 14:06	VN112525
108-88-3	Toluene	100		5	2.30	25.0	ug/L	11/25/25 14:06	VN112525
10061-02-6	t-1,3-Dichloropropene	100		5	3.60	25.0	ug/L	11/25/25 14:06	VN112525
10061-01-5	cis-1,3-Dichloropropene	100		5	3.40	25.0	ug/L	11/25/25 14:06	VN112525
79-00-5	1,1,2-Trichloroethane	110		5	2.30	25.0	ug/L	11/25/25 14:06	VN112525
110-75-8	2-Chloroethyl vinyl ether	23.2	U	5	23.2	130	ug/L	11/25/25 14:06	VN112525
124-48-1	Dibromochloromethane	110		5	3.30	25.0	ug/L	11/25/25 14:06	VN112525
127-18-4	Tetrachloroethene	120		5	4.20	25.0	ug/L	11/25/25 14:06	VN112525
108-90-7	Chlorobenzene	100		5	2.40	25.0	ug/L	11/25/25 14:06	VN112525
100-41-4	Ethyl Benzene	98.4		5	2.80	25.0	ug/L	11/25/25 14:06	VN112525
179601-23-1	m/p-Xylenes	200		5	6.50	50.0	ug/L	11/25/25 14:06	VN112525
95-47-6	o-Xylene	100		5	3.40	25.0	ug/L	11/25/25 14:06	VN112525
75-25-2	Bromoform	100		5	4.70	25.0	ug/L	11/25/25 14:06	VN112525
79-34-5	1,1,2,2-Tetrachloroethane	100		5	2.20	25.0	ug/L	11/25/25 14:06	VN112525
541-73-1	1,3-Dichlorobenzene	100		5	3.40	25.0	ug/L	11/25/25 14:06	VN112525
106-46-7	1,4-Dichlorobenzene	100		5	4.10	25.0	ug/L	11/25/25 14:06	VN112525
95-50-1	1,2-Dichlorobenzene	98.9		5	3.40	25.0	ug/L	11/25/25 14:06	VN112525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	29.0			91 - 110	97%	SPK: 30		
2037-26-5	Toluene-d8	30.4			91 - 112	101%	SPK: 30		
460-00-4	4-Bromofluorobenzene	28.3			63 - 112	94%	SPK: 30		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	50800							
540-36-3	1,4-Difluorobenzene	259000							
3114-55-4	Chlorobenzene-d5	234000							

Raw Data: **VN088360.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:	11/20/25
Project:	PVSC Monthly 2025			Date Received:	11/20/25
Client Sample ID:	EFF-WWMS			SDG No.:	Q3700
Lab Sample ID:	Q3700-02MS			Matrix:	Water
Analytical Method:	E624.1	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-PP

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID

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\VN112525\
Data File : VN088360.D
Acq On : 25 Nov 2025 14:06
Operator : JC\MD
Sample : Q3700-02MS 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 26 00:19:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Manual Integrations APPROVED

Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.806	128	50762m	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	9.082	114	258609	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	233753	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	134612	29.031	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 96.767%			
60) 4-Bromofluorobenzene	12.829	95	111794	28.292	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.300%			
63) Toluene-d8	10.547	98	336421	30.399	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.333%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	69954	19.604	ug/l	98
3) Chloromethane	2.383	50	74716	20.308	ug/l	99
4) Vinyl Chloride	2.536	62	76320	19.619	ug/l	99
5) Bromomethane	2.977	94	34934	16.842	ug/l	96
6) Chloroethane	3.142	64	45938	19.105	ug/l	96
7) Trichlorofluoromethane	3.518	101	108100	19.821	ug/l	96
8) Diethyl Ether	3.959	74	40604	19.919	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	56717	19.823	ug/l	97
10) 1,1-Dichloroethene	4.336	96	55886	20.021	ug/l	94
11) Methyl Iodide	4.583	142	53601	18.044	ug/l	95
12) Methyl Acetate	5.018	43	101181	22.469	ug/l	92
13) Acrolein	4.171	56	115422	174.207	ug/l	98
14) Acrylonitrile	5.712	53	221452	108.224	ug/l	98
15) Acetone	4.418	58	150287	251.151	ug/l	92
16) Carbon Disulfide	4.706	76	177840	18.891	ug/l	99
17) Allyl chloride	5.018	41	101631	18.736	ug/l	98
18) Methylene Chloride	5.265	84	70431	20.300	ug/l	93
19) trans-1,2-Dichloroethene	5.777	96	64621	19.881	ug/l	97
20) Diisopropyl ether	6.659	45	242680	20.937	ug/l	93
21) 1,1-Dichloroethane	6.559	63	130129	19.927	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	75377	19.952	ug/l	98
23) tert-Butyl Alcohol	5.512	59	87740	116.610	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	222827	19.799	ug/l #	74
25) Chloroform	7.947	83	152785	23.611	ug/l	95
26) Cyclohexane	8.235	56	98103	17.785	ug/l #	95
29) 1,1-Dichloropropene	8.353	75	87488	20.275	ug/l	99
30) 2-Butanone	7.471	43	334427	119.814	ug/l	99
31) 2,2-Dichloropropane	7.471	77	107052	20.115	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	110515	20.776	ug/l	98
33) Carbon Tetrachloride	8.347	117	90748	19.978	ug/l	90
34) Benzene	8.588	78	274298	21.267	ug/l	99
35) Methacrylonitrile	7.759	41	63362	21.763	ug/l	91
36) 1,2-Dichloroethane	8.653	62	104772	20.873	ug/l	97
37) Trichloroethene	9.329	130	63845	21.843	ug/l	96
38) Methylcyclohexane	9.577	83	93346	18.869	ug/l	99
39) 1,2-Dichloropropane	9.600	63	69909	21.009	ug/l	94
40) Dibromomethane	9.688	93	51823	21.676	ug/l	99
41) Bromodichloromethane	9.871	83	107177	22.268	ug/l	98
42) Vinyl Acetate	6.588	43	1092298	117.250	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088360.D
Acq On : 25 Nov 2025 14:06
Operator : JC\MD
Sample : Q3700-02MS 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 26 00:19:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Manual Integrations APPROVED

Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.547	43	122432	21.800 ug/l	99
44) Isopropyl Acetate	8.677	43	192868	22.284 ug/l	100
45) 1,4-Dioxane	9.677	88	29180	559.864 ug/l #	89
46) Methyl methacrylate	9.665	41	86691	21.405 ug/l	95
47) n-amyl Acetate	12.665	43	100705m	22.962 ug/l	
48) t-1,3-Dichloropropene	10.818	75	104159	20.233 ug/l	95
49) cis-1,3-Dichloropropene	10.288	75	107404	20.052 ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	65293	22.086 ug/l	94
51) Ethyl methacrylate	10.853	69	95271	19.587 ug/l	95
52) 1,3-Dichloropropane	11.141	76	115419	21.437 ug/l	99
53) Dibromochloromethane	11.335	129	72019	21.208 ug/l	97
54) 1,2-Dibromoethane	11.447	107	66715	21.719 ug/l	98
55) 2-Chloroethyl vinyl ether	10.147	63	4636m	1.655 ug/l	
56) Bromoform	12.559	173	44780	20.834 ug/l	97
58) 4-Methyl-2-Pentanone	10.424	43	627398	118.670 ug/l	99
59) 2-Hexanone	11.176	43	407703	116.133 ug/l	98
61) Tetrachloroethene	11.082	164	55543	23.047 ug/l	88
62) Toluene	10.606	91	281612	20.994 ug/l	99
64) Chlorobenzene	11.871	112	173548	20.890 ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.935	131	60366	21.229 ug/l	96
66) Ethyl Benzene	11.941	91	290884	19.675 ug/l	99
67) m/p-Xylenes	12.047	106	221392	40.044 ug/l	100
68) o-Xylene	12.376	106	104910	20.115 ug/l	96
69) Styrene	12.388	104	178508	20.152 ug/l	96
70) Isopropylbenzene	12.676	105	266241	19.262 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	93412	20.864 ug/l	100
72) 1,2,3-Trichloropropane	12.976	75	96143m	22.166 ug/l	
73) Bromobenzene	12.959	156	65258	20.913 ug/l	97
74) n-propylbenzene	13.012	91	338382	19.782 ug/l	100
75) 2-Chlorotoluene	13.100	91	201658	19.388 ug/l	100
76) 1,3,5-Trimethylbenzene	13.147	105	226409	19.514 ug/l	98
77) t-1,4-Dichloro-2-butene	12.717	75	29632	19.893 ug/l	93
78) 4-Chlorotoluene	13.200	91	208650	19.796 ug/l	100
79) tert-butylbenzene	13.417	119	186804	18.806 ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	228610	19.815 ug/l	97
81) sec-Butylbenzene	13.594	105	269015	18.568 ug/l	98
82) p-Isopropyltoluene	13.706	119	221934	18.538 ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	122376	20.185 ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	126160	20.548 ug/l	97
85) n-Butylbenzene	14.035	91	210401	18.440 ug/l	99
86) Hexachloroethane	14.312	117	39601	17.276 ug/l	99
87) 1,2-Dichlorobenzene	14.082	146	113216	19.784 ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.700	75	24131	22.930 ug/l	93
89) 1,2,4-Trichlorobenzene	15.811	180	65336	20.346 ug/l	97
90) Hexachlorobutadiene	15.470	225	25750	20.648 ug/l	99
91) Naphthalene	15.611	128	245996	21.171 ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	65336	20.346 ug/l	97

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

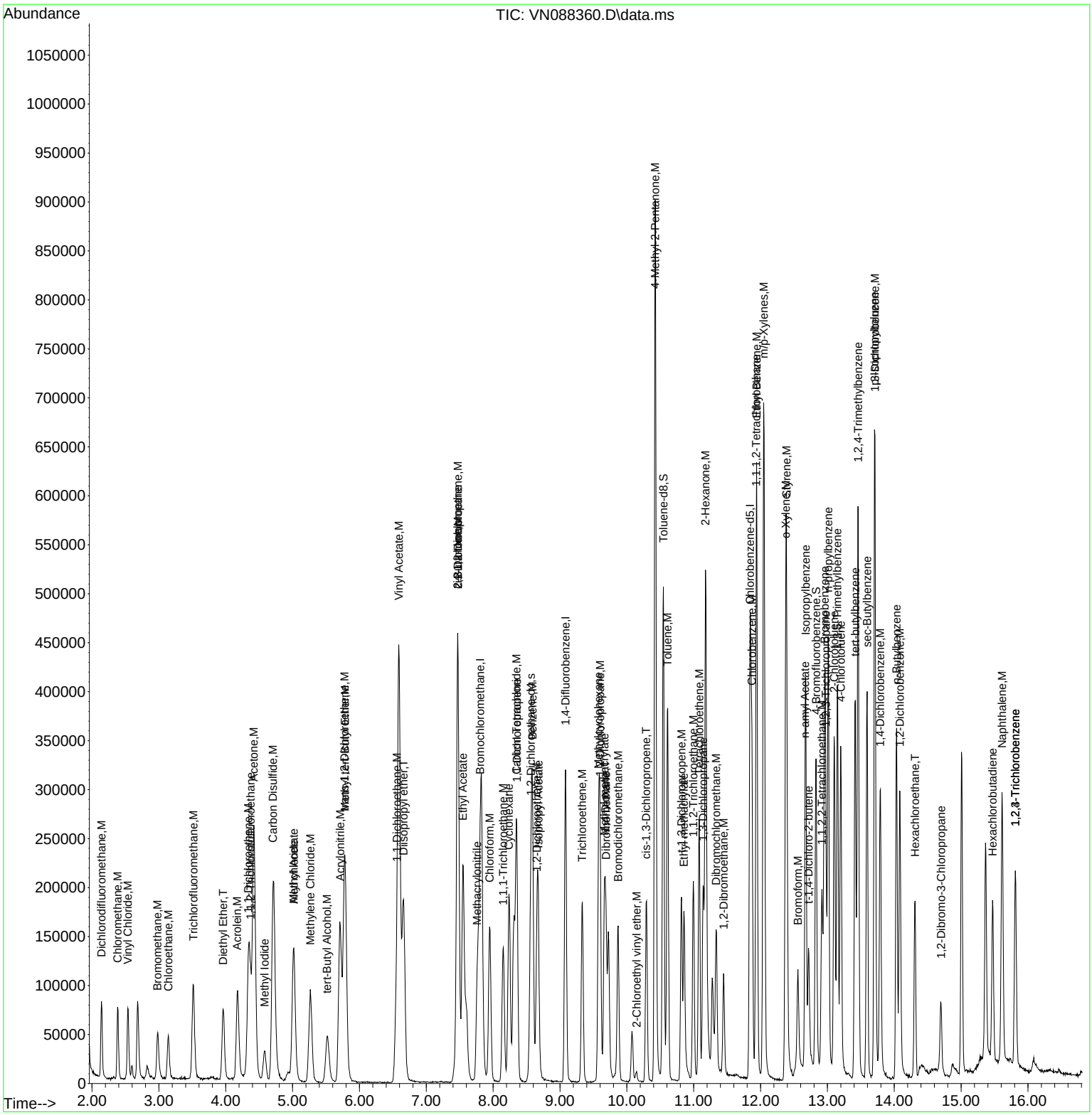
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
Data File : VN088360.D
Acq On : 25 Nov 2025 14:06
Operator : JC\MD
Sample : Q3700-02MS 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 26 00:19:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMS

Manual Integrations APPROVED

Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025



Raw Data: **VN088367.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:	11/20/25
Project:	PVSC Monthly 2025			Date Received:	11/20/25
Client Sample ID:	EFF-WWMSD			SDG No.:	Q3700
Lab Sample ID:	Q3700-03MSD			Matrix:	Water
Analytical Method:	E624.1	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-PP

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
74-87-3	Chloromethane	100		5	3.20	25.0	ug/L	11/26/25 11:43	VN112625
75-01-4	Vinyl Chloride	100		5	4.20	25.0	ug/L	11/26/25 11:43	VN112625
74-83-9	Bromomethane	87.3		5	4.00	25.0	ug/L	11/26/25 11:43	VN112625
75-00-3	Chloroethane	100		5	11.6	25.0	ug/L	11/26/25 11:43	VN112625
75-69-4	Trichlorofluoromethane	110		5	4.00	25.0	ug/L	11/26/25 11:43	VN112625
75-35-4	1,1-Dichloroethene	110		5	3.80	25.0	ug/L	11/26/25 11:43	VN112625
107-02-8	Acrolein	730		5	33.1	130	ug/L	11/26/25 11:43	VN112625
107-13-1	Acrylonitrile	520		5	14.0	130	ug/L	11/26/25 11:43	VN112625
75-09-2	Methylene Chloride	98.3		5	4.30	25.0	ug/L	11/26/25 11:43	VN112625
156-60-5	trans-1,2-Dichloroethene	96.4		5	4.10	25.0	ug/L	11/26/25 11:43	VN112625
75-34-3	1,1-Dichloroethane	100		5	3.40	25.0	ug/L	11/26/25 11:43	VN112625
56-23-5	Carbon Tetrachloride	110		5	3.70	25.0	ug/L	11/26/25 11:43	VN112625
67-66-3	Chloroform	120		5	2.80	25.0	ug/L	11/26/25 11:43	VN112625
71-55-6	1,1,1-Trichloroethane	110		5	3.20	25.0	ug/L	11/26/25 11:43	VN112625
71-43-2	Benzene	110		5	2.30	25.0	ug/L	11/26/25 11:43	VN112625
107-06-2	1,2-Dichloroethane	99.8		5	2.50	25.0	ug/L	11/26/25 11:43	VN112625
79-01-6	Trichloroethene	110		5	2.50	25.0	ug/L	11/26/25 11:43	VN112625
78-87-5	1,2-Dichloropropane	110		5	2.30	25.0	ug/L	11/26/25 11:43	VN112625
75-27-4	Bromodichloromethane	110		5	3.20	25.0	ug/L	11/26/25 11:43	VN112625
108-88-3	Toluene	110		5	2.30	25.0	ug/L	11/26/25 11:43	VN112625
10061-02-6	t-1,3-Dichloropropene	97.7		5	3.60	25.0	ug/L	11/26/25 11:43	VN112625
10061-01-5	cis-1,3-Dichloropropene	99.8		5	3.40	25.0	ug/L	11/26/25 11:43	VN112625
79-00-5	1,1,2-Trichloroethane	100		5	2.30	25.0	ug/L	11/26/25 11:43	VN112625
110-75-8	2-Chloroethyl vinyl ether	140		5	23.2	130	ug/L	11/26/25 11:43	VN112625
124-48-1	Dibromochloromethane	110		5	3.30	25.0	ug/L	11/26/25 11:43	VN112625
127-18-4	Tetrachloroethene	130		5	4.20	25.0	ug/L	11/26/25 11:43	VN112625
108-90-7	Chlorobenzene	100		5	2.40	25.0	ug/L	11/26/25 11:43	VN112625
100-41-4	Ethyl Benzene	100		5	2.80	25.0	ug/L	11/26/25 11:43	VN112625
179601-23-1	m/p-Xylenes	210		5	6.50	50.0	ug/L	11/26/25 11:43	VN112625
95-47-6	o-Xylene	100		5	3.40	25.0	ug/L	11/26/25 11:43	VN112625
75-25-2	Bromoform	99.6		5	4.70	25.0	ug/L	11/26/25 11:43	VN112625
79-34-5	1,1,2,2-Tetrachloroethane	99.9		5	2.20	25.0	ug/L	11/26/25 11:43	VN112625
541-73-1	1,3-Dichlorobenzene	110		5	3.40	25.0	ug/L	11/26/25 11:43	VN112625
106-46-7	1,4-Dichlorobenzene	100		5	4.10	25.0	ug/L	11/26/25 11:43	VN112625
95-50-1	1,2-Dichlorobenzene	100		5	3.40	25.0	ug/L	11/26/25 11:43	VN112625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	27.8			91 - 110	93%	SPK: 30		
2037-26-5	Toluene-d8	30.9			91 - 112	103%	SPK: 30		
460-00-4	4-Bromofluorobenzene	28.7			63 - 112	96%	SPK: 30		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	55000							
540-36-3	1,4-Difluorobenzene	283000							
3114-55-4	Chlorobenzene-d5	251000							

Raw Data: **VN088367.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:	11/20/25
Project:	PVSC Monthly 2025			Date Received:	11/20/25
Client Sample ID:	EFF-WWMSD			SDG No.:	Q3700
Lab Sample ID:	Q3700-03MSD			Matrix:	Water
Analytical Method:	E624.1	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-PP

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID

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\VN112625\
Data File : VN088367.D
Acq On : 26 Nov 2025 11:43
Operator : JC\MD
Sample : Q3700-03MSD 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 27 00:11:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Manual Integrations APPROVED

Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.800	128	54953	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.082	114	283065	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.841	117	251234	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	139654	27.822	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 92.733%				
60) 4-Bromofluorobenzene	12.829	95	121868	28.695	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.667%				
63) Toluene-d8	10.547	98	367205	30.872	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	80335	20.797	ug/l		95
3) Chloromethane	2.389	50	80369	20.179	ug/l		98
4) Vinyl Chloride	2.536	62	85998	20.421	ug/l		98
5) Bromomethane	2.989	94	39198	17.456	ug/l		94
6) Chloroethane	3.147	64	52842	20.300	ug/l		95
7) Trichlorofluoromethane	3.518	101	125379	21.235	ug/l		99
8) Diethyl Ether	3.959	74	43180	19.567	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.371	101	67827	21.898	ug/l		96
10) 1,1-Dichloroethene	4.341	96	63661	21.067	ug/l	#	80
11) Methyl Iodide	4.588	142	58860	18.303	ug/l	#	89
12) Methyl Acetate	5.018	43	106671	21.881	ug/l		92
13) Acrolein	4.177	56	104717	145.996	ug/l		97
14) Acrylonitrile	5.712	53	229448	103.579	ug/l		99
15) Acetone	4.424	58	149498	230.778	ug/l		99
16) Carbon Disulfide	4.706	76	200177	19.642	ug/l		99
17) Allyl chloride	5.018	41	111496	18.987	ug/l		99
18) Methylene Chloride	5.271	84	73875	19.668	ug/l		97
19) trans-1,2-Dichloroethene	5.777	96	67856	19.284	ug/l		95
20) Diisopropyl ether	6.653	45	252115	20.092	ug/l		100
21) 1,1-Dichloroethane	6.559	63	142150	20.108	ug/l		97
22) cis-1,2-Dichloroethene	7.471	96	80755	19.746	ug/l		96
23) tert-Butyl Alcohol	5.518	59	92347	113.373	ug/l	#	100
24) Methyl tert-Butyl Ether	5.788	73	230676	18.933	ug/l		100
25) Chloroform	7.947	83	163941	23.403	ug/l		95
26) Cyclohexane	8.241	56	114157	19.117	ug/l	#	95
29) 1,1-Dichloropropene	8.353	75	99088	20.980	ug/l		99
30) 2-Butanone	7.471	43	334469	109.476	ug/l		99
31) 2,2-Dichloropropane	7.471	77	118992	20.426	ug/l	#	85
32) 1,1,1-Trichloroethane	8.153	97	122849	21.100	ug/l		98
33) Carbon Tetrachloride	8.347	117	105485	21.216	ug/l		92
34) Benzene	8.588	78	299578	21.220	ug/l		97
35) Methacrylonitrile	7.759	41	66890	20.990	ug/l		95
36) 1,2-Dichloroethane	8.653	62	109681	19.963	ug/l		100
37) Trichloroethene	9.335	130	70385	22.000	ug/l		99
38) Methylcyclohexane	9.582	83	113952	21.044	ug/l		99
39) 1,2-Dichloropropane	9.600	63	77179	21.189	ug/l		91
40) Dibromomethane	9.688	93	56395	21.550	ug/l		97
41) Bromodichloromethane	9.865	83	110812	21.035	ug/l		99
42) Vinyl Acetate	6.588	43	1121454	109.979	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112625\
Data File : VN088367.D
Acq On : 26 Nov 2025 11:43
Operator : JC\MD
Sample : Q3700-03MSD 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 27 00:11:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Manual Integrations APPROVED

Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	132478	21.551	ug/l	99
44) Isopropyl Acetate	8.671	43	198782	20.983	ug/l	98
45) 1,4-Dioxane	9.676	88	30871	541.135	ug/l	96
46) Methyl methacrylate	9.665	41	89714	20.237	ug/l	88
47) n-amyl Acetate	12.529	43	108310m	22.562	ug/l	
48) t-1,3-Dichloropropene	10.818	75	110120	19.543	ug/l	98
49) cis-1,3-Dichloropropene	10.288	75	117001	19.957	ug/l	97
50) 1,1,2-Trichloroethane	10.994	97	66605	20.583	ug/l	93
51) Ethyl methacrylate	10.859	69	108042	20.294	ug/l	93
52) 1,3-Dichloropropane	11.141	76	118150	20.049	ug/l	99
53) Dibromochloromethane	11.341	129	78843	21.212	ug/l	99
54) 1,2-Dibromoethane	11.447	107	69342	20.624	ug/l	97
55) 2-Chloroethyl vinyl ether	10.141	63	85647	27.927	ug/l	99
56) Bromoform	12.559	173	46882	19.927	ug/l	98
58) 4-Methyl-2-Pentanone	10.423	43	639681	112.574	ug/l	99
59) 2-Hexanone	11.176	43	432660	114.667	ug/l	98
61) Tetrachloroethene	11.082	164	65709	25.368	ug/l	91
62) Toluene	10.612	91	303588	21.057	ug/l	99
64) Chlorobenzene	11.870	112	185602	20.786	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.935	131	66253	21.678	ug/l	97
66) Ethyl Benzene	11.941	91	330306	20.787	ug/l	98
67) m/p-Xylenes	12.047	106	249467	41.982	ug/l	98
68) o-Xylene	12.376	106	115299	20.569	ug/l	96
69) Styrene	12.388	104	193149	20.288	ug/l	98
70) Isopropylbenzene	12.676	105	310322	20.889	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.917	83	96181	19.987	ug/l	100
72) 1,2,3-Trichloropropane	12.970	75	100516m	21.561	ug/l	
73) Bromobenzene	12.959	156	70666	21.071	ug/l	96
74) n-propylbenzene	13.011	91	386486	21.022	ug/l	100
75) 2-Chlorotoluene	13.106	91	225403	20.163	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	253748	20.349	ug/l	100
77) t-1,4-Dichloro-2-butene	12.717	75	31265	19.529	ug/l	97
78) 4-Chlorotoluene	13.200	91	230174	20.318	ug/l	98
79) tert-butylbenzene	13.417	119	218839	20.498	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	253776	20.466	ug/l	98
81) sec-Butylbenzene	13.594	105	323752	20.791	ug/l	99
82) p-Isopropyltoluene	13.706	119	260451	20.241	ug/l	99
83) 1,3-Dichlorobenzene	13.711	146	136881	21.007	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	137053	20.769	ug/l	99
85) n-Butylbenzene	14.035	91	254994	20.794	ug/l	99
86) Hexachloroethane	14.311	117	46696	18.954	ug/l	99
87) 1,2-Dichlorobenzene	14.082	146	126699	20.600	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.694	75	23979	21.200	ug/l	96
89) 1,2,4-Trichlorobenzene	15.811	180	72109	20.892	ug/l	98
90) Hexachlorobutadiene	15.476	225	32536	24.274	ug/l	96
91) Naphthalene	15.617	128	266214	21.317	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	72109	20.892	ug/l	98

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

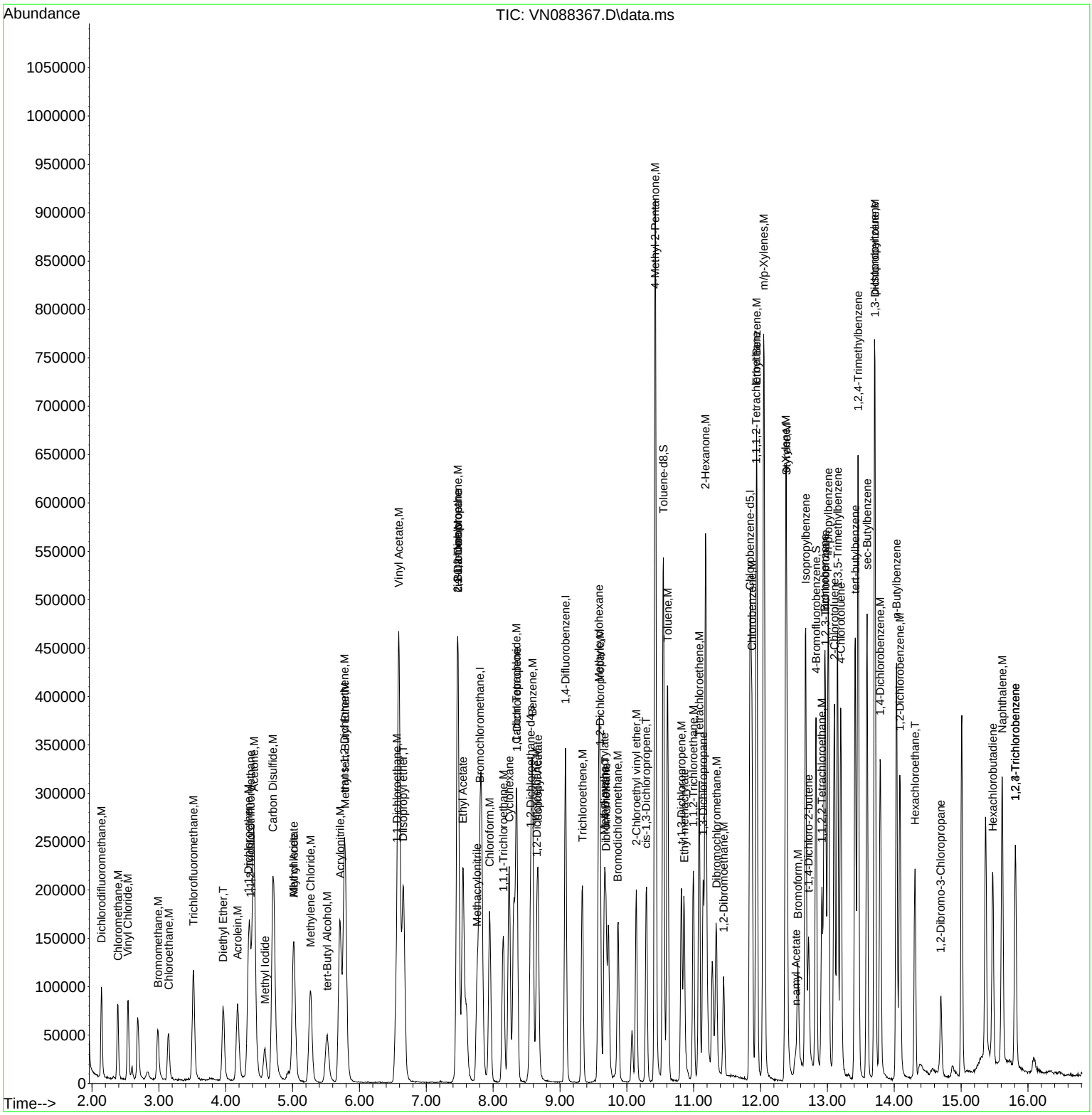
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112625\
Data File : VN088367.D
Acq On : 26 Nov 2025 11:43
Operator : JC\MD
Sample : Q3700-03MSD 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 27 00:11:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
EFF-WWMSD

Manual Integrations APPROVED

Reviewed By :John Carlone 12/01/2025
Supervised By :Semsettin Yesilyurt 12/01/2025



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

Manual Integration Report

Sequence:	VN111325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN088274.D	1,1,2-Trichlorotrifluoroethane	JOHN	11/14/2025 8:03:15 AM	sam	11/14/2025 12:24:41 PM	Peak Integrated by Software
VSTDICC005	VN088274.D	1,2,3-Trichloropropane	JOHN	11/14/2025 8:03:15 AM	sam	11/14/2025 12:24:41 PM	Peak Integrated by Software
VSTDICC005	VN088274.D	2,2-Dichloropropane	JOHN	11/14/2025 8:03:15 AM	sam	11/14/2025 12:24:41 PM	Peak Integrated by Software
VSTDICC005	VN088274.D	Acrolein	JOHN	11/14/2025 8:03:15 AM	sam	11/14/2025 12:24:41 PM	Peak Integrated by Software
VSTDICC005	VN088274.D	Carbon Disulfide	JOHN	11/14/2025 8:03:15 AM	sam	11/14/2025 12:24:41 PM	Peak Integrated by Software
VSTDICC005	VN088274.D	Cyclohexane	JOHN	11/14/2025 8:03:15 AM	sam	11/14/2025 12:24:41 PM	Peak Integrated by Software
VSTDICC005	VN088274.D	Ethyl methacrylate	JOHN	11/14/2025 8:03:15 AM	sam	11/14/2025 12:24:41 PM	Peak Integrated by Software
VSTDICC005	VN088274.D	n-amyl Acetate	JOHN	11/14/2025 8:03:15 AM	sam	11/14/2025 12:24:41 PM	Peak Integrated by Software
VSTDICC005	VN088274.D	t-1,4-Dichloro-2-butene	JOHN	11/14/2025 8:03:15 AM	sam	11/14/2025 12:24:41 PM	Peak Integrated by Software
VSTDICC005	VN088274.D	tert-Butyl Alcohol	JOHN	11/14/2025 8:03:15 AM	sam	11/14/2025 12:24:41 PM	Peak Integrated by Software
VSTDICCC020	VN088275.D	1,2,3-Trichloropropane	JOHN	11/14/2025 8:03:20 AM	sam	11/14/2025 12:24:45 PM	Peak Integrated by Software
VSTDICCC020	VN088275.D	n-amyl Acetate	JOHN	11/14/2025 8:03:20 AM	sam	11/14/2025 12:24:45 PM	Peak Integrated by Software
VSTDICCC020	VN088275.D	trans-1,2-Dichloroethene	JOHN	11/14/2025 8:03:20 AM	sam	11/14/2025 12:24:45 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN111325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC050	VN088276.D	1,2,3-Trichloropropane	JOHN	11/14/2025 8:03:24 AM	sam	11/14/2025 12:25:04 PM	Peak Integrated by Software
VSTDICC050	VN088276.D	Ethyl Acetate	JOHN	11/14/2025 8:03:24 AM	sam	11/14/2025 12:25:04 PM	Peak Integrated by Software
VSTDICC050	VN088276.D	n-amyl Acetate	JOHN	11/14/2025 8:03:24 AM	sam	11/14/2025 12:25:04 PM	Peak Integrated by Software
VSTDICC050	VN088276.D	tert-Butyl Alcohol	JOHN	11/14/2025 8:03:24 AM	sam	11/14/2025 12:25:04 PM	Peak Integrated by Software
VSTDICC050	VN088276.D	Vinyl Acetate	JOHN	11/14/2025 8:03:24 AM	sam	11/14/2025 12:25:04 PM	Peak Integrated by Software
VSTDICC100	VN088277.D	1,2,3-Trichloropropane	JOHN	11/14/2025 8:03:29 AM	sam	11/14/2025 12:24:49 PM	Peak Integrated by Software
VSTDICC100	VN088277.D	n-amyl Acetate	JOHN	11/14/2025 8:03:29 AM	sam	11/14/2025 12:24:49 PM	Peak Integrated by Software
VSTDICC150	VN088278.D	1,2,3-Trichloropropane	JOHN	11/14/2025 8:03:34 AM	sam	11/14/2025 12:25:08 PM	Peak Integrated by Software
VSTDICC150	VN088278.D	Ethyl Acetate	JOHN	11/14/2025 8:03:34 AM	sam	11/14/2025 12:25:08 PM	Peak Integrated by Software
VSTDICC150	VN088278.D	Vinyl Acetate	JOHN	11/14/2025 8:03:34 AM	sam	11/14/2025 12:25:08 PM	Peak Integrated by Software
VSTDICV020	VN088280.D	1,2,3-Trichloropropane	JOHN	11/14/2025 8:03:38 AM	sam	11/14/2025 12:24:55 PM	Peak Integrated by Software
VSTDICV020	VN088280.D	Methylene Chloride	JOHN	11/14/2025 8:03:38 AM	sam	11/14/2025 12:24:55 PM	Peak Integrated by Software
VSTDICV020	VN088280.D	n-amyl Acetate	JOHN	11/14/2025 8:03:38 AM	sam	11/14/2025 12:24:55 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN111325	Instrument	MSVOA_n

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

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

Manual Integration Report

Sequence:	VN112525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN088353.D	1,2,3-Trichloropropane	JOHN	11/26/2025 8:08:14 AM	MMDadoda	11/26/2025 8:33:40 AM	Peak Integrated by Software
VSTDCCC020	VN088353.D	Methylene Chloride	JOHN	11/26/2025 8:08:14 AM	MMDadoda	11/26/2025 8:33:40 AM	Peak Integrated by Software
VSTDCCC020	VN088353.D	n-amyl Acetate	JOHN	11/26/2025 8:08:14 AM	MMDadoda	11/26/2025 8:33:40 AM	Peak Integrated by Software
VN1125WBS01	VN088354.D	1,2,3-Trichloropropane	JOHN	11/26/2025 8:08:18 AM	MMDadoda	11/26/2025 8:33:43 AM	Peak Integrated by Software
VN1125WBS01	VN088354.D	n-amyl Acetate	JOHN	11/26/2025 8:08:18 AM	MMDadoda	11/26/2025 8:33:43 AM	Peak Integrated by Software
Q3700-02MS	VN088360.D	1,2,3-Trichloropropane	JOHN	11/26/2025 8:08:43 AM	MMDadoda	11/26/2025 8:33:57 AM	Peak Integrated by Software
Q3700-02MS	VN088360.D	2-Chloroethyl vinyl ether	JOHN	11/26/2025 8:08:43 AM	MMDadoda	11/26/2025 8:33:57 AM	Peak Integrated by Software
Q3700-02MS	VN088360.D	Bromochloromethane	JOHN	11/26/2025 8:08:43 AM	MMDadoda	11/26/2025 8:33:57 AM	Peak Integrated by Software
Q3700-02MS	VN088360.D	n-amyl Acetate	JOHN	11/26/2025 8:08:43 AM	MMDadoda	11/26/2025 8:33:57 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN112625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN088362.D	1,2,3-Trichloropropane	JOHN	12/1/2025 8:38:59 AM	sam	12/1/2025 2:16:13 PM	Peak Integrated by Software
VSTDCCC020	VN088362.D	n-amyl Acetate	JOHN	12/1/2025 8:38:59 AM	sam	12/1/2025 2:16:13 PM	Peak Integrated by Software
VN1126WBS01	VN088363.D	1,2,3-Trichloropropane	JOHN	12/1/2025 8:39:04 AM	sam	12/1/2025 2:16:18 PM	Peak Integrated by Software
VN1126WBS01	VN088363.D	n-amyl Acetate	JOHN	12/1/2025 8:39:04 AM	sam	12/1/2025 2:16:18 PM	Peak Integrated by Software
Q3700-03MSD	VN088367.D	1,2,3-Trichloropropane	JOHN	12/1/2025 8:39:20 AM	sam	12/1/2025 2:18:15 PM	Peak Integrated by Software
Q3700-03MSD	VN088367.D	n-amyl Acetate	JOHN	12/1/2025 8:39:20 AM	sam	12/1/2025 2:18:15 PM	Peak Integrated by Software
VSTDCCC020	VN088368.D	1,2,3-Trichloropropane	JOHN	12/1/2025 8:39:24 AM	sam	12/1/2025 2:16:35 PM	Peak Integrated by Software
VSTDCCC020	VN088368.D	n-amyl Acetate	JOHN	12/1/2025 8:39:24 AM	sam	12/1/2025 2:16:35 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 # VN111325

Review By	John Carlone	Review On	11/14/2025 8:03:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/14/2025 12:39:20 PM		
SubDirectory	VN111325	HP Acquire Method		HP Processing Method	624N111325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136189
Initial Calibration Stds	VP136197,VP136198,VP136199,VP136200,VP136201
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136212
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088273.D	13 Nov 2025 08:08	JC\MD	Ok
2	VSTDICC005	VN088274.D	13 Nov 2025 10:14	JC\MD	Ok,M
3	VSTDICCC020	VN088275.D	13 Nov 2025 10:47	JC\MD	Ok,M
4	VSTDICC050	VN088276.D	13 Nov 2025 11:08	JC\MD	Ok,M
5	VSTDICC100	VN088277.D	13 Nov 2025 11:29	JC\MD	Ok,M
6	VSTDICC150	VN088278.D	13 Nov 2025 11:50	JC\MD	Ok,M
7	IBLK	VN088279.D	13 Nov 2025 12:11	JC\MD	Ok
8	VSTDICV020	VN088280.D	13 Nov 2025 14:52	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 # VN112525

Review By	John Carlone	Review On	11/26/2025 8:09:54 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/1/2025 2:14:38 PM		
SubDirectory	VN112525	HP Acquire Method		HP Processing Method	624N111325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136385
Initial Calibration Stds	
CCC	VP136386,VP137387,VP136409,VP136410
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088352.D	25 Nov 2025 10:29	JC\MD	Ok
2	VSTDCCC020	VN088353.D	25 Nov 2025 11:03	JC\MD	Ok,M
3	VN1125WBS01	VN088354.D	25 Nov 2025 11:36	JC\MD	Ok,M
4	VN1125WBSD01	VN088355.D	25 Nov 2025 12:11	JC\MD	Ok,M
5	VN1125WBL01	VN088356.D	25 Nov 2025 12:31	JC\MD	Ok
6	Q3530-07 2.5PPB	VN088357.D	25 Nov 2025 13:04	JC\MD	Ok,M
7	Q3530-08 5.0PPB	VN088358.D	25 Nov 2025 13:25	JC\MD	Ok,M
8	Q3700-01	VN088359.D	25 Nov 2025 13:45	JC\MD	Ok
9	Q3700-02MS	VN088360.D	25 Nov 2025 14:06	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112625

Review By	John Carlone	Review On	12/1/2025 8:39:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/1/2025 2:18:53 PM		
SubDirectory	VN112625	HP Acquire Method		HP Processing Method	624N111325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136414
Initial Calibration Stds	
CCC	VP136415,VP136416,VP136417
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088361.D	26 Nov 2025 08:25	JC\MD	Ok
2	VSTDCCC020	VN088362.D	26 Nov 2025 09:06	JC\MD	Ok,M
3	VN1126WBS01	VN088363.D	26 Nov 2025 09:42	JC\MD	Ok,M
4	VN1126WBSD01	VN088364.D	26 Nov 2025 10:15	JC\MD	Ok,M
5	VN1126WBL01	VN088365.D	26 Nov 2025 10:36	JC\MD	Ok
6	Q3530-09 2.5PPB	VN088366.D	26 Nov 2025 11:09	JC\MD	Ok,M
7	Q3700-03MSD	VN088367.D	26 Nov 2025 11:43	JC\MD	Ok,M
8	VSTDCCC020	VN088368.D	26 Nov 2025 13:12	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 # VN111325

Review By	John Carlone	Review On	11/14/2025 8:03:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/14/2025 12:39:20 PM		
SubDirectory	VN111325	HP Acquire Method		HP Processing Method	624N111325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136189
Initial Calibration Stds	VP136197,VP136198,VP136199,VP136200,VP136201
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136212
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088273.D	13 Nov 2025 08:08		JC\MD	Ok
2	VSTDICC005	VSTDICC005	VN088274.D	13 Nov 2025 10:14		JC\MD	Ok,M
3	VSTDICCC020	VSTDICCC020	VN088275.D	13 Nov 2025 10:47		JC\MD	Ok,M
4	VSTDICC050	VSTDICC050	VN088276.D	13 Nov 2025 11:08		JC\MD	Ok,M
5	VSTDICC100	VSTDICC100	VN088277.D	13 Nov 2025 11:29		JC\MD	Ok,M
6	VSTDICC150	VSTDICC150	VN088278.D	13 Nov 2025 11:50		JC\MD	Ok,M
7	IBLK	IBLK	VN088279.D	13 Nov 2025 12:11		JC\MD	Ok
8	VSTDICV020	ICVVN111325	VN088280.D	13 Nov 2025 14:52		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 # VN112525

Review By	John Carlone	Review On	11/26/2025 8:09:54 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/1/2025 2:14:38 PM		
SubDirectory	VN112525	HP Acquire Method		HP Processing Method	624N111325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136385
Initial Calibration Stds	
CCC	VP136386,VP137387,VP136409,VP136410
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	VN088352.D	25 Nov 2025 10:29		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN088353.D	25 Nov 2025 11:03	pH#Lot#V12668	JC\MD	Ok,M
3	VN1125WBS01	VN1125WBS01	VN088354.D	25 Nov 2025 11:36		JC\MD	Ok,M
4	VN1125WBSD01	VN1125WBSD01	VN088355.D	25 Nov 2025 12:11		JC\MD	Ok,M
5	VN1125WBL01	VN1125WBL01	VN088356.D	25 Nov 2025 12:31		JC\MD	Ok
6	Q3530-07 2.5PPB	LOD-MDL-WATER-01-(	VN088357.D	25 Nov 2025 13:04		JC\MD	Ok,M
7	Q3530-08 5.0PPB	LOQ-WATER-02-QT4-2	VN088358.D	25 Nov 2025 13:25		JC\MD	Ok,M
8	Q3700-01	EFF-WW	VN088359.D	25 Nov 2025 13:45	vial A pH<2	JC\MD	Ok
9	Q3700-02MS	EFF-WWMS	VN088360.D	25 Nov 2025 14:06	vial A pH<2	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 # VN112625

Review By	John Carlone	Review On	12/1/2025 8:39:50 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	12/1/2025 2:18:53 PM		
SubDirectory	VN112625	HP Acquire Method		HP Processing Method	624N111325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136414
Initial Calibration Stds	
CCC	VP136415,VP136416,VP136417
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	VN088361.D	26 Nov 2025 08:25		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN088362.D	26 Nov 2025 09:06	pH#Lot#V12668	JC\MD	Ok,M
3	VN1126WBS01	VN1126WBS01	VN088363.D	26 Nov 2025 09:42		JC\MD	Ok,M
4	VN1126WBSD01	VN1126WBSD01	VN088364.D	26 Nov 2025 10:15		JC\MD	Ok,M
5	VN1126WBL01	VN1126WBL01	VN088365.D	26 Nov 2025 10:36		JC\MD	Ok
6	Q3530-09 2.5PPB	MDL-WATER-03-QT4-2	VN088366.D	26 Nov 2025 11:09		JC\MD	Ok,M
7	Q3700-03MSD	EFF-WWMSD	VN088367.D	26 Nov 2025 11:43	vial A pH<2	JC\MD	Ok,M
8	VSTDCCC020	VSTDCCC020EC	VN088368.D	26 Nov 2025 13:12		JC\MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q 3700
COC Number 2044572

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY ARDMORE INC
ADDRESS: 29 RIVERSIDE AVE, Bldg #14
CITY Newark, NJ STATE: NJ ZIP 07104
ATTENTION: M Sharphouse
PHONE: 973 481 2406 FAX: 973 481-2637

CLIENT PROJECT INFORMATION

PROJECT NAME: PVSC MONTHLY
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: VOC 2: CN 3: BOD/TSS 4: SVOC 5: METALS 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	EFF WASTE WATER	WW		X	11/20/25	1:00PM		X	X								
2.	EFF WASTE WATER	WW	X		11/20/25	1:00PM				X	X	X					
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 Sharphouse	11/20/25	1.
2.	11/20/25 16:00	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP _____ °C
Comments: METALS - LEAD, ZINC ONLY METALS NEED 2.3 °C

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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 : Q3700 ARDM01
Client Name : Ardmore Chemical
Client Contact : Michael Sharphouse
Invoice Name : Ardmore Chemical
Invoice Contact : Michael Sharphouse

Order Date : 11/20/2025 4:11:00 PM
Project Name : PVSC Monthly 2025
Receive DateTime : 11/20/2025 4:00:00 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
Q3700-01	EFF-WW	Water	11/20/2025	13:00					
					VOC-PP		624.1		10 Bus. Days
Q3700-02	Q3700-01MS	Water	11/20/2025	13:00					
					VOC-PP		624.1		10 Bus. Days
Q3700-03	Q3700-01MSD	Water	11/20/2025	13:00					
					VOC-PP		624.1		10 Bus. Days

Relinguished By :
Date / Time : 11/21/25 9:55

Received By : Sam
Date / Time : 11/21/25 9:55 RGH

Storage Area : VOA Refridgerator Room