

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090925\
 Data File : VN087772.D
 Acq On : 09 Sep 2025 14:43
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/10/2025
 Supervised By : Mahesh Dadoda 09/10/2025

Quant Time: Sep 10 02:31:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.789	128	46387	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	235607	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	224127	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	121820	30.743	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.467%			
60) 4-Bromofluorobenzene	12.829	95	108927	30.226	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.767%			
63) Toluene-d8	10.547	98	312762	30.007	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.033%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	55001	19.078	ug/l	96
3) Chloromethane	2.383	50	61832	20.430	ug/l	96
4) Vinyl Chloride	2.536	62	68680	20.075	ug/l	98
5) Bromomethane	2.977	94	35488	17.682	ug/l	99
6) Chloroethane	3.142	64	48769	20.857	ug/l #	83
7) Trichlorofluoromethane	3.512	101	100480	20.037	ug/l	98
8) Diethyl Ether	3.954	74	40104	18.939	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	49751	18.317	ug/l	76
10) 1,1-Dichloroethene	4.330	96	54763	19.556	ug/l #	92
11) Methyl Iodide	4.577	142	31976	16.131	ug/l	93
12) Methyl Acetate	5.018	43	84698	19.621	ug/l	92
13) Acrolein	4.177	56	71041m	92.430	ug/l	
14) Acrylonitrile	5.712	53	178309	95.965	ug/l	97
15) Acetone	4.424	58	54508	94.038	ug/l	99
16) Carbon Disulfide	4.706	76	150852	19.620	ug/l #	90
17) Allyl chloride	5.012	41	83805	18.322	ug/l	90
18) Methylene Chloride	5.259	84	62121	19.583	ug/l	97
19) trans-1,2-Dichloroethene	5.777	96	55611	19.472	ug/l	96
20) Diisopropyl ether	6.659	45	201689	19.175	ug/l	96
21) 1,1-Dichloroethane	6.547	63	108989	18.922	ug/l	97
22) cis-1,2-Dichloroethene	7.465	96	66808	19.272	ug/l	96
23) tert-Butyl Alcohol	5.506	59	64723	98.540	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	189972	19.002	ug/l	98
25) Chloroform	7.947	83	120711	20.021	ug/l	100
26) Cyclohexane	8.236	56	81663	18.617	ug/l #	100
29) 1,1-Dichloropropene	8.353	75	75089	19.610	ug/l	100
30) 2-Butanone	7.465	43	263606	99.937	ug/l	96
31) 2,2-Dichloropropane	7.471	77	86986	18.846	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	99010	20.396	ug/l	99
33) Carbon Tetrachloride	8.347	117	79372	19.609	ug/l	87
34) Benzene	8.583	78	242680	19.610	ug/l	99
35) Methacrylonitrile	7.765	41	55160	19.993	ug/l	90
36) 1,2-Dichloroethane	8.653	62	94295	20.173	ug/l #	93
37) Trichloroethene	9.330	130	51485	18.611	ug/l	94
38) Methylcyclohexane	9.583	83	77723	18.434	ug/l	96
39) 1,2-Dichloropropane	9.600	63	66230	20.896	ug/l	93
40) Dibromomethane	9.688	93	47705	20.225	ug/l	98
41) Bromodichloromethane	9.865	83	96141	19.942	ug/l #	91
42) Vinyl Acetate	6.589	43	846751	96.079	ug/l	100

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

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 Supervised By :Mahesh Dadoda 09/10/2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	105335	19.546	ug/l	98
44) Isopropyl Acetate	8.671	43	168300	19.921	ug/l	100
45) 1,4-Dioxane	9.677	88	22338	419.268	ug/l	94
46) Methyl methacrylate	9.665	41	76130	19.550	ug/l	97
47) n-amyl Acetate	12.576	43	111880m	19.596	ug/l	
48) t-1,3-Dichloropropene	10.818	75	96357	19.244	ug/l	96
49) cis-1,3-Dichloropropene	10.288	75	96633	18.842	ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	61430	20.164	ug/l	97
51) Ethyl methacrylate	10.853	69	92075	19.420	ug/l	93
52) 1,3-Dichloropropane	11.141	76	104483	19.750	ug/l	98
53) Dibromochloromethane	11.335	129	68522	20.060	ug/l	93
54) 1,2-Dibromoethane	11.447	107	62812	19.814	ug/l	100
55) 2-Chloroethyl vinyl ether	10.135	63	267279	98.390	ug/l	99
56) Bromoform	12.559	173	43320	19.419	ug/l	98
58) 4-Methyl-2-Pentanone	10.424	43	521358	98.379	ug/l	98
59) 2-Hexanone	11.177	43	328431	94.843	ug/l	98
61) Tetrachloroethene	11.082	164	44423	19.907	ug/l	98
62) Toluene	10.606	91	259500	19.141	ug/l	97
64) Chlorobenzene	11.871	112	165436	19.882	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.935	131	58006	19.801	ug/l	95
66) Ethyl Benzene	11.941	91	275621	18.845	ug/l	95
67) m/p-Xylenes	12.053	106	206431	38.023	ug/l	100
68) o-Xylene	12.376	106	99093	18.825	ug/l	94
69) Styrene	12.388	104	174296	19.051	ug/l	99
70) Isopropylbenzene	12.676	105	250397	18.760	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.918	83	92975	19.376	ug/l	99
72) 1,2,3-Trichloropropane	12.971	75	91915m	19.509	ug/l	
73) Bromobenzene	12.959	156	63295	19.382	ug/l	96
74) n-propylbenzene	13.012	91	328517	19.507	ug/l	98
75) 2-Chlorotoluene	13.106	91	193153	19.056	ug/l	97
76) 1,3,5-Trimethylbenzene	13.147	105	221129	19.619	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	27950	17.576	ug/l	93
78) 4-Chlorotoluene	13.200	91	195571	19.139	ug/l	98
79) tert-butylbenzene	13.418	119	182042	19.285	ug/l	96
80) 1,2,4-Trimethylbenzene	13.459	105	224078	19.391	ug/l	97
81) sec-Butylbenzene	13.594	105	274946	19.803	ug/l	98
82) p-Isopropyltoluene	13.706	119	220465	19.272	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	121462	19.293	ug/l	97
84) 1,4-Dichlorobenzene	13.788	146	122637	19.434	ug/l	99
85) n-Butylbenzene	14.029	91	214443	19.502	ug/l	100
86) Hexachloroethane	14.306	117	46396	19.967	ug/l	97
87) 1,2-Dichlorobenzene	14.082	146	118463	19.951	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.694	75	21192	19.901	ug/l	94
89) 1,2,4-Trichlorobenzene	15.812	180	62923	18.632	ug/l	98
90) Hexachlorobutadiene	15.470	225	23990	21.190	ug/l	94
91) Naphthalene	15.612	128	222544	17.899	ug/l	98
92) 1,2,3-Trichlorobenzene	15.812	180	62923	18.632	ug/l	98

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

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