

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
 Data File : VN087811.D
 Acq On : 12 Sep 2025 10:04
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
 Supervised By :Mahesh Dadoda 09/15/2025

Quant Time: Sep 12 22:49:07 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	7.800	128	60784	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	303424	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	286682	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	151019	29.085	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.933%		
60) 4-Bromofluorobenzene	12.823	95	140888	30.564	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.867%		
63) Toluene-d8	10.547	98	395502	29.665	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.900%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.148	85	65399	17.311	ug/l	93
3) Chloromethane	2.383	50	63571	16.030	ug/l	98
4) Vinyl Chloride	2.536	62	73556	16.408	ug/l	91
5) Bromomethane	2.983	94	34972	13.298	ug/l	87
6) Chloroethane	3.136	64	46438	15.156	ug/l #	86
7) Trichlorofluoromethane	3.512	101	111490	16.967	ug/l #	84
8) Diethyl Ether	3.965	74	43275	15.596	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	60106	16.888	ug/l	60
10) 1,1-Dichloroethene	4.336	96	59702	16.270	ug/l	86
11) Methyl Iodide	4.577	142	30279m	11.657	ug/l	
12) Methyl Acetate	5.018	43	94087	16.633	ug/l	99
13) Acrolein	4.177	56	96064m	95.383	ug/l	
14) Acrylonitrile	5.706	53	195852	80.440	ug/l	98
15) Acetone	4.418	58	64299	84.655	ug/l	89
16) Carbon Disulfide	4.700	76	172763	17.148	ug/l #	93
17) Allyl chloride	5.012	41	98716	16.471	ug/l	96
18) Methylene Chloride	5.259	84	69382	16.692	ug/l	87
19) trans-1,2-Dichloroethene	5.777	96	62759	16.770	ug/l	91
20) Diisopropyl ether	6.659	45	217984	15.816	ug/l	95
21) 1,1-Dichloroethane	6.547	63	123875	16.412	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	73827	16.252	ug/l	96
23) tert-Butyl Alcohol	5.530	59	67900	78.891	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	215930	16.483	ug/l #	81
25) Chloroform	7.947	83	130701	16.544	ug/l	97
26) Cyclohexane	8.230	56	94965	16.522	ug/l #	98
29) 1,1-Dichloropropene	8.359	75	81944	16.617	ug/l	98
30) 2-Butanone	7.465	43	284761	83.828	ug/l	98
31) 2,2-Dichloropropane	7.471	77	108005	18.169	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	105895	16.939	ug/l	99
33) Carbon Tetrachloride	8.347	117	87831	16.849	ug/l	91
34) Benzene	8.588	78	267682	16.796	ug/l #	93
35) Methacrylonitrile	7.765	41	62901	17.703	ug/l	97
36) 1,2-Dichloroethane	8.653	62	101452	16.853	ug/l	99
37) Trichloroethene	9.335	130	63376	17.789	ug/l	94
38) Methylcyclohexane	9.582	83	93927	17.298	ug/l	97
39) 1,2-Dichloropropane	9.600	63	68081	16.679	ug/l	95
40) Dibromomethane	9.688	93	53122	17.488	ug/l	98
41) Bromodichloromethane	9.871	83	107797	17.362	ug/l	98
42) Vinyl Acetate	6.589	43	903232	79.581	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	117417	16.918	ug/l	95
44) Isopropyl Acetate	8.671	43	175405	16.122	ug/l	99
45) 1,4-Dioxane	9.682	88	24502	357.098	ug/l	92
46) Methyl methacrylate	9.665	41	68329	13.625	ug/l	98
47) n-amyl Acetate	12.541	43	95971m	13.053	ug/l	
48) t-1,3-Dichloropropene	10.818	75	106559	16.525	ug/l	98
49) cis-1,3-Dichloropropene	10.288	75	111066	16.816	ug/l	92
50) 1,1,2-Trichloroethane	10.994	97	69186	17.634	ug/l	95
51) Ethyl methacrylate	10.859	69	93517	15.316	ug/l	97
52) 1,3-Dichloropropane	11.141	76	115632	16.972	ug/l	99
53) Dibromochloromethane	11.335	129	76459	17.380	ug/l	88
54) 1,2-Dibromoethane	11.447	107	68179	16.700	ug/l	95
55) 2-Chloroethyl vinyl ether	10.141	63	327174	93.520	ug/l	98
56) Bromoform	12.559	173	47879	16.666	ug/l #	98
58) 4-Methyl-2-Pentanone	10.424	43	561146	82.782	ug/l	99
59) 2-Hexanone	11.176	43	354546	80.044	ug/l	99
61) Tetrachloroethene	11.082	164	51713	18.118	ug/l	96
62) Toluene	10.606	91	290761	16.767	ug/l	99
64) Chlorobenzene	11.871	112	182160	17.115	ug/l	92
65) 1,1,1,2-Tetrachloroethane	11.935	131	66968	17.872	ug/l	93
66) Ethyl Benzene	11.941	91	314142	16.792	ug/l	97
67) m/p-Xylenes	12.047	106	232560	33.488	ug/l	95
68) o-Xylene	12.376	106	113988	16.929	ug/l	100
69) Styrene	12.394	104	190780	16.302	ug/l	99
70) Isopropylbenzene	12.676	105	289180	16.938	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.918	83	104036	16.950	ug/l	98
72) 1,2,3-Trichloropropane	12.970	75	97739m	16.218	ug/l	
73) Bromobenzene	12.959	156	71391	17.091	ug/l	93
74) n-propylbenzene	13.012	91	367468	17.059	ug/l	100
75) 2-Chlorotoluene	13.106	91	216456	16.695	ug/l	95
76) 1,3,5-Trimethylbenzene	13.147	105	244576	16.964	ug/l	96
77) t-1,4-Dichloro-2-butene	12.718	75	29221	14.366	ug/l	96
78) 4-Chlorotoluene	13.200	91	216873	16.592	ug/l	99
79) tert-butylbenzene	13.418	119	209027	17.312	ug/l	95
80) 1,2,4-Trimethylbenzene	13.459	105	251821	17.037	ug/l	97
81) sec-Butylbenzene	13.594	105	311772	17.555	ug/l	98
82) p-Isopropyltoluene	13.706	119	257669	17.609	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	142868	17.741	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	143919	17.830	ug/l	97
85) n-Butylbenzene	14.035	91	252867	17.978	ug/l	98
86) Hexachloroethane	14.312	117	51642	17.375	ug/l	100
87) 1,2-Dichlorobenzene	14.082	146	137930	18.161	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.700	75	21522	15.801	ug/l	85
89) 1,2,4-Trichlorobenzene	15.811	180	76825	17.784	ug/l	97
90) Hexachlorobutadiene	15.476	225	31231	21.566	ug/l	91
91) Naphthalene	15.611	128	257449	16.188	ug/l	98
92) 1,2,3-Trichlorobenzene	15.811	180	76825	17.784	ug/l	97

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

