

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120525\
 Data File : VN088463.D
 Acq On : 05 Dec 2025 08:56
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Dec 05 23:35:41 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	7.788	128	59227	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.077	114	320011	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	286792	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	176774	32.675	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 108.933%	
60) 4-Bromofluorobenzene	12.823	95	146237	30.164	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 100.533%	
63) Toluene-d8	10.541	98	428479	31.557	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 105.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	94184	22.622	ug/l	99
3) Chloromethane	2.383	50	93114	21.692	ug/l	90
4) Vinyl Chloride	2.536	62	95793	21.105	ug/l	96
5) Bromomethane	2.983	94	44880	18.545	ug/l	82
6) Chloroethane	3.148	64	62876	22.412	ug/l #	84
7) Trichlorofluoromethane	3.518	101	151070	23.740	ug/l	96
8) Diethyl Ether	3.965	74	50599	21.274	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	78344	23.468	ug/l	98
10) 1,1-Dichloroethene	4.347	96	72756	22.340	ug/l	90
11) Methyl Iodide	4.583	142	59928	17.291	ug/l	90
12) Methyl Acetate	5.018	43	117501	22.363	ug/l #	89
13) Acrolein	4.177	56	88903	115.004	ug/l	98
14) Acrylonitrile	5.712	53	242652m	101.635	ug/l	
15) Acetone	4.424	58	44951	64.383	ug/l	78
16) Carbon Disulfide	4.706	76	228023	20.760	ug/l	100
17) Allyl chloride	5.018	41	126570	19.999	ug/l	96
18) Methylene Chloride	5.265	84	86355	21.332	ug/l	90
19) trans-1,2-Dichloroethene	5.771	96	80133	21.130	ug/l	94
20) Diisopropyl ether	6.653	45	297553	22.002	ug/l	98
21) 1,1-Dichloroethane	6.547	63	170394	22.364	ug/l	97
22) cis-1,2-Dichloroethene	7.471	96	93887	21.300	ug/l	99
23) tert-Butyl Alcohol	5.506	59	73408	83.618	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	272854	20.779	ug/l	100
25) Chloroform	7.947	83	173494	22.980	ug/l	97
26) Cyclohexane	8.235	56	138559	21.529	ug/l #	91
29) 1,1-Dichloropropene	8.347	75	118022	22.103	ug/l	97
30) 2-Butanone	7.465	43	299279	86.649	ug/l	98
31) 2,2-Dichloropropane	7.471	77	151175	22.955	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	152208	23.124	ug/l	99
33) Carbon Tetrachloride	8.341	117	128007	22.773	ug/l	98
34) Benzene	8.582	78	346069	21.683	ug/l	96
35) Methacrylonitrile	7.759	41	77135	21.410	ug/l	99
36) 1,2-Dichloroethane	8.647	62	141611	22.799	ug/l	97
37) Trichloroethene	9.329	130	76599	21.178	ug/l	91
38) Methylcyclohexane	9.577	83	121021	19.770	ug/l	97
39) 1,2-Dichloropropane	9.594	63	91062	22.115	ug/l	92
40) Dibromomethane	9.688	93	64817	21.909	ug/l	99
41) Bromodichloromethane	9.865	83	134133	22.522	ug/l	95
42) Vinyl Acetate	6.588	43	1303384	113.063	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.541	43	132211	19.025	ug/l	97
44) Isopropyl Acetate	8.665	43	222294	20.756	ug/l	98
45) 1,4-Dioxane	9.682	88	20867	323.546	ug/l	95
46) Methyl methacrylate	9.659	41	96475	19.250	ug/l	90
47) n-amyl Acetate	12.676	43	126098m	23.235	ug/l	
48) t-1,3-Dichloropropene	10.812	75	130395	20.470	ug/l	98
49) cis-1,3-Dichloropropene	10.288	75	145247	21.914	ug/l	94
50) 1,1,2-Trichloroethane	10.994	97	78702	21.514	ug/l	97
51) Ethyl methacrylate	10.853	69	122189	20.301	ug/l	95
52) 1,3-Dichloropropane	11.135	76	142499	21.389	ug/l	98
53) Dibromochloromethane	11.335	129	89109	21.206	ug/l	96
54) 1,2-Dibromoethane	11.441	107	78256	20.588	ug/l	98
55) 2-Chloroethyl vinyl ether	10.135	63	371373	107.114	ug/l	99
56) Bromoform	12.559	173	53681	20.183	ug/l	98
58) 4-Methyl-2-Pentanone	10.418	43	707806	109.119	ug/l	98
59) 2-Hexanone	11.176	43	426609	99.045	ug/l	98
61) Tetrachloroethene	11.076	164	69724	23.580	ug/l	96
62) Toluene	10.606	91	360586	21.910	ug/l	99
64) Chlorobenzene	11.865	112	216153	21.206	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.935	131	76739	21.996	ug/l	98
66) Ethyl Benzene	11.941	91	387071	21.339	ug/l	99
67) m/p-Xylenes	12.047	106	288470	42.527	ug/l	96
68) o-Xylene	12.376	106	133315	20.834	ug/l	100
69) Styrene	12.388	104	233398	21.476	ug/l	99
70) Isopropylbenzene	12.670	105	358264	21.126	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.912	83	116013	21.119	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	105751m	19.872	ug/l	
73) Bromobenzene	12.953	156	81337	21.245	ug/l	97
74) n-propylbenzene	13.012	91	452151	21.545	ug/l	99
75) 2-Chlorotoluene	13.100	91	265903	20.837	ug/l	98
76) 1,3,5-Trimethylbenzene	13.147	105	294960	20.721	ug/l	99
77) t-1,4-Dichloro-2-butene	12.712	75	38743	21.200	ug/l	86
78) 4-Chlorotoluene	13.194	91	279836	21.639	ug/l	99
79) tert-butylbenzene	13.412	119	245070	20.109	ug/l	97
80) 1,2,4-Trimethylbenzene	13.459	105	297403	21.010	ug/l	97
81) sec-Butylbenzene	13.588	105	367360	20.666	ug/l	99
82) p-Isopropyltoluene	13.700	119	298050	20.292	ug/l	99
83) 1,3-Dichlorobenzene	13.706	146	159510	21.444	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	163238	21.670	ug/l	97
85) n-Butylbenzene	14.029	91	281516	20.110	ug/l	99
86) Hexachloroethane	14.306	117	51931	18.465	ug/l	98
87) 1,2-Dichlorobenzene	14.082	146	145745	20.758	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.694	75	25886	20.048	ug/l	94
89) 1,2,4-Trichlorobenzene	15.811	180	78169	19.840	ug/l	99
90) Hexachlorobutadiene	15.470	225	29984	19.596	ug/l	99
91) Naphthalene	15.611	128	267411	18.758	ug/l	98
92) 1,2,3-Trichlorobenzene	15.811	180	78169	19.840	ug/l	99

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

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