

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
 Data File : VN087459.D
 Acq On : 05 Aug 2025 16:17
 Operator : JC\MD
 Sample : VN0805WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0805WBS02

Quant Time: Aug 06 02:41:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/06/2025
 Supervised By : Mahesh Dadoda 08/06/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	69933	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	387635	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	345816	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	193705	30.030	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.100%			
60) 4-Bromofluorobenzene	12.829	95	183875	30.897	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.000%			
63) Toluene-d8	10.547	98	488074	30.674	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.233%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	90357	19.790	ug/l	96
3) Chloromethane	2.383	50	89767	19.162	ug/l	98
4) Vinyl Chloride	2.542	62	95110	19.142	ug/l	97
5) Bromomethane	2.983	94	54667	20.327	ug/l	89
6) Chloroethane	3.142	64	59839	18.677	ug/l	96
7) Trichlorofluoromethane	3.512	101	135051	18.887	ug/l	99
8) Diethyl Ether	3.965	74	55670	18.687	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	67747	18.579	ug/l	64
10) 1,1-Dichloroethene	4.330	96	74028	19.328	ug/l	90
11) Methyl Iodide	4.583	142	49081	16.274	ug/l	96
12) Methyl Acetate	5.018	43	130786	18.504	ug/l #	91
13) Acrolein	4.177	56	105382	97.618	ug/l	100
14) Acrylonitrile	5.712	53	293326	95.038	ug/l	97
15) Acetone	4.424	58	83888	95.126	ug/l	99
16) Carbon Disulfide	4.700	76	223354	18.799	ug/l	98
17) Allyl chloride	5.018	41	141738	18.156	ug/l	96
18) Methylene Chloride	5.265	84	89525	18.156	ug/l	94
19) trans-1,2-Dichloroethene	5.783	96	80631	17.703	ug/l	97
20) Diisopropyl ether	6.665	45	331415	18.635	ug/l	96
21) 1,1-Dichloroethane	6.559	63	169931	18.485	ug/l	97
22) cis-1,2-Dichloroethene	7.471	96	102932	18.367	ug/l	99
23) tert-Butyl Alcohol	5.518	59	125827	95.942	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	318368	18.242	ug/l	98
25) Chloroform	7.947	83	177551	18.503	ug/l	94
26) Cyclohexane	8.236	56	140655	19.110	ug/l #	98
29) 1,1-Dichloropropene	8.353	75	116842	18.481	ug/l	99
30) 2-Butanone	7.471	43	430868	92.455	ug/l	100
31) 2,2-Dichloropropane	7.477	77	153167	18.784	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	150687	18.688	ug/l	95
33) Carbon Tetrachloride	8.347	117	122140	18.233	ug/l	96
34) Benzene	8.588	78	368280	18.453	ug/l	99
35) Methacrylonitrile	7.765	41	96374	19.163	ug/l	93
36) 1,2-Dichloroethane	8.653	62	150384	18.643	ug/l	100
37) Trichloroethene	9.335	130	81601	18.562	ug/l	93
38) Methylcyclohexane	9.582	83	141390	19.277	ug/l	99
39) 1,2-Dichloropropane	9.600	63	94473	18.463	ug/l	99
40) Dibromomethane	9.694	93	69720	18.160	ug/l	96
41) Bromodichloromethane	9.871	83	143179	17.947	ug/l	97
42) Vinyl Acetate	6.594	43	1416485	92.296	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	171292	19.026	ug/l	96
44) Isopropyl Acetate	8.677	43	283980	18.608	ug/l	98
45) 1,4-Dioxane	9.682	88	39804	409.125	ug/l #	68
46) Methyl methacrylate	9.665	41	125699	17.449	ug/l	91
47) n-amyl Acetate	12.523	43	140251m	16.636	ug/l	
48) t-1,3-Dichloropropene	10.818	75	157664	18.165	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	161680	18.510	ug/l	97
50) 1,1,2-Trichloroethane	11.000	97	88006	18.143	ug/l	97
51) Ethyl methacrylate	10.859	69	151713	17.759	ug/l	98
52) 1,3-Dichloropropane	11.147	76	159776	18.283	ug/l	100
53) Dibromochloromethane	11.341	129	102903	18.369	ug/l	100
54) 1,2-Dibromoethane	11.453	107	95094	18.467	ug/l	97
55) 2-Chloroethyl vinyl ether	10.141	63	445893	99.148	ug/l	99
56) Bromoform	12.565	173	63691	17.189	ug/l #	99
58) 4-Methyl-2-Pentanone	10.429	43	845319	95.022	ug/l	100
59) 2-Hexanone	11.182	43	562782	93.108	ug/l	99
61) Tetrachloroethene	11.082	164	64602	19.175	ug/l	91
62) Toluene	10.612	91	397589	18.628	ug/l	99
64) Chlorobenzene	11.871	112	244781	18.664	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.941	131	86126	18.678	ug/l	96
66) Ethyl Benzene	11.941	91	447834	18.825	ug/l	98
67) m/p-Xylenes	12.053	106	326294	37.367	ug/l	98
68) o-Xylene	12.376	106	159596	18.578	ug/l	100
69) Styrene	12.394	104	272250	18.560	ug/l	99
70) Isopropylbenzene	12.676	105	407629	18.677	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	139898	18.708	ug/l	100
72) 1,2,3-Trichloropropane	12.976	75	123625m	17.746	ug/l	
73) Bromobenzene	12.959	156	91679	18.120	ug/l	98
74) n-propylbenzene	13.018	91	514787	18.886	ug/l	99
75) 2-Chlorotoluene	13.106	91	312510	18.639	ug/l	98
76) 1,3,5-Trimethylbenzene	13.153	105	354138	18.951	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	46125	17.490	ug/l	90
78) 4-Chlorotoluene	13.200	91	317821	18.705	ug/l	100
79) tert-butylbenzene	13.418	119	289670	18.385	ug/l	97
80) 1,2,4-Trimethylbenzene	13.465	105	357197	19.129	ug/l	97
81) sec-Butylbenzene	13.594	105	441251	19.237	ug/l	99
82) p-Isopropyltoluene	13.706	119	363013	19.061	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	181191	18.806	ug/l	99
84) 1,4-Dichlorobenzene	13.794	146	187318	19.177	ug/l	99
85) n-Butylbenzene	14.035	91	367098	19.701	ug/l	98
86) Hexachloroethane	14.306	117	70328	18.910	ug/l	99
87) 1,2-Dichlorobenzene	14.082	146	176099	19.148	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	35483	18.730	ug/l	96
89) 1,2,4-Trichlorobenzene	15.811	180	103561	18.842	ug/l	99
90) Hexachlorobutadiene	15.476	225	40240	18.828	ug/l	97
91) Naphthalene	15.617	128	396205	18.905	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	103561	18.842	ug/l	99

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

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