

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072225\
 Data File : VN087390.D
 Acq On : 22 Jul 2025 15:14
 Operator : JC\MD
 Sample : VN0722WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/23/2025
 Supervised By :Semsettin Yesilyurt 07/23/2025

Quant Time: Jul 23 07:21:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	27991	30.000	ug/l	-0.03
28) 1,4-Difluorobenzene	9.082	114	135487	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	126406	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	70001	33.192	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 110		Recovery = 110.633%#			
60) 4-Bromofluorobenzene	12.829	95	59701	30.607	ug/l	-0.02
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.033%			
63) Toluene-d8	10.547	98	172491	30.392	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	24648	14.628	ug/l	92
3) Chloromethane	2.389	50	24767	14.391	ug/l	93
4) Vinyl Chloride	2.542	62	28764	15.378	ug/l	95
5) Bromomethane	2.983	94	18617	18.755	ug/l	96
6) Chloroethane	3.136	64	24019	23.939	ug/l	92
7) Trichlorofluoromethane	3.512	101	56035	24.424	ug/l	97
8) Diethyl Ether	3.953	74	22021	19.536	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.365	101	30241	17.779	ug/l #	83
10) 1,1-Dichloroethene	4.342	96	28865	17.024	ug/l	88
11) Methyl Iodide	4.589	142	18821m	12.390	ug/l	
12) Methyl Acetate	5.012	43	47152	17.729	ug/l	94
13) Acrolein	4.177	56	41080	100.519	ug/l	94
14) Acrylonitrile	5.706	53	94964	76.549	ug/l #	66
15) Acetone	4.424	58	39702	109.712	ug/l	83
16) Carbon Disulfide	4.700	76	62197	12.546	ug/l	99
17) Allyl chloride	5.012	41	39367	14.076	ug/l	88
18) Methylene Chloride	5.265	84	31460	16.016	ug/l	97
19) trans-1,2-Dichloroethene	5.777	96	27959m	15.078	ug/l	
20) Diisopropyl ether	6.659	45	103075	17.372	ug/l	96
21) 1,1-Dichloroethane	6.559	63	58512m	16.500	ug/l	
22) cis-1,2-Dichloroethene	7.471	96	34291	15.890	ug/l	95
23) tert-Butyl Alcohol	5.518	59	33273	71.317	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	100294	16.865	ug/l	97
25) Chloroform	7.953	83	64226	18.904	ug/l	98
26) Cyclohexane	8.241	56	36932	12.529	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	37380	17.701	ug/l	98
30) 2-Butanone	7.477	43	141971	99.664	ug/l	97
31) 2,2-Dichloropropane	7.471	77	53817m	21.112	ug/l	
32) 1,1,1-Trichloroethane	8.147	97	52553	21.302	ug/l	97
33) Carbon Tetrachloride	8.347	117	45305	21.821	ug/l	96
34) Benzene	8.588	78	120718	18.044	ug/l	95
35) Methacrylonitrile	7.771	41	28542	19.882	ug/l	89
36) 1,2-Dichloroethane	8.653	62	51297	23.732	ug/l	97
37) Trichloroethene	9.335	130	27813	18.024	ug/l	84
38) Methylcyclohexane	9.582	83	35584	14.686	ug/l	95
39) 1,2-Dichloropropane	9.606	63	31979	19.045	ug/l	98
40) Dibromomethane	9.694	93	24593	21.539	ug/l	97
41) Bromodichloromethane	9.871	83	50707	22.002	ug/l	95
42) Vinyl Acetate	6.588	43	420856	90.835	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	50754	19.737	ug/l	96
44) Isopropyl Acetate	8.677	43	86358	20.612	ug/l	97
45) 1,4-Dioxane	9.676	88	10995	387.941	ug/l #	90
46) Methyl methacrylate	9.665	41	38010	19.515	ug/l	87
47) n-amyl Acetate	12.523	43	51634m	20.157	ug/l	
48) t-1,3-Dichloropropene	10.818	75	51109	19.893	ug/l	98
49) cis-1,3-Dichloropropene	10.294	75	51104	18.710	ug/l #	82
50) 1,1,2-Trichloroethane	11.000	97	33315	20.540	ug/l	97
51) Ethyl methacrylate	10.859	69	45738	18.528	ug/l	85
52) 1,3-Dichloropropane	11.141	76	54665	19.632	ug/l	98
53) Dibromochloromethane	11.341	129	37641	22.109	ug/l	98
54) 1,2-Dibromoethane	11.453	107	33175	19.825	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	128071	90.508	ug/l	99
56) Bromoform	12.559	173	25331	21.643	ug/l #	96
58) 4-Methyl-2-Pentanone	10.429	43	285069	112.178	ug/l	94
59) 2-Hexanone	11.176	43	189787	115.658	ug/l	89
61) Tetrachloroethene	11.082	164	23546	18.810	ug/l	95
62) Toluene	10.612	91	132260	18.526	ug/l	99
64) Chlorobenzene	11.870	112	85524	18.780	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.941	131	32293	21.462	ug/l	97
66) Ethyl Benzene	11.947	91	137146	17.551	ug/l	95
67) m/p-Xylenes	12.053	106	109592	36.599	ug/l	100
68) o-Xylene	12.376	106	52447	18.358	ug/l	98
69) Styrene	12.394	104	91266	18.609	ug/l	98
70) Isopropylbenzene	12.676	105	130872	18.394	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.917	83	50914	19.881	ug/l	100
72) 1,2,3-Trichloropropane	12.976	75	45108m	20.425	ug/l	
73) Bromobenzene	12.959	156	35942	20.825	ug/l	91
74) n-propylbenzene	13.017	91	166235	19.125	ug/l	100
75) 2-Chlorotoluene	13.106	91	101393	19.308	ug/l	97
76) 1,3,5-Trimethylbenzene	13.153	105	114199	19.716	ug/l	100
77) t-1,4-Dichloro-2-butene	12.717	75	16369m	16.710	ug/l	
78) 4-Chlorotoluene	13.200	91	111320	20.698	ug/l	99
79) tert-butylbenzene	13.417	119	94598	19.429	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	118790	20.424	ug/l	98
81) sec-Butylbenzene	13.594	105	143140	20.224	ug/l	99
82) p-Isopropyltoluene	13.706	119	116996	19.863	ug/l	96
83) 1,3-Dichlorobenzene	13.712	146	70815	21.307	ug/l	99
84) 1,4-Dichlorobenzene	13.794	146	69652	20.823	ug/l	98
85) n-Butylbenzene	14.035	91	108513	20.192	ug/l	97
86) Hexachloroethane	14.311	117	23499	21.077	ug/l	89
87) 1,2-Dichlorobenzene	14.082	146	65604	20.935	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	11694	20.279	ug/l	99
89) 1,2,4-Trichlorobenzene	15.811	180	39379	22.211	ug/l	97
90) Hexachlorobutadiene	15.476	225	16300	30.982	ug/l	95
91) Naphthalene	15.617	128	124218	17.802	ug/l	98
92) 1,2,3-Trichlorobenzene	15.811	180	39379	22.211	ug/l	97

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

