

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080825\
 Data File : VN087495.D
 Acq On : 08 Aug 2025 11:18
 Operator : JC\MD
 Sample : VN0808WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/11/2025
 Supervised By :Semsettin Yesilyurt 08/11/2025

Quant Time: Aug 11 01:17:28 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

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

Internal Standards						
1) Bromochloromethane	7.800	128	58186	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	327589	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	296672	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	166330	30.992	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.300%			
60) 4-Bromofluorobenzene	12.829	95	152278	29.826	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.433%			
63) Toluene-d8	10.547	98	408930	29.957	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.867%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	81471	21.446	ug/l	97
3) Chloromethane	2.383	50	84209	21.605	ug/l	100
4) Vinyl Chloride	2.542	62	89472	21.643	ug/l	98
5) Bromomethane	2.977	94	36338	16.240	ug/l	93
6) Chloroethane	3.142	64	59036	22.146	ug/l	96
7) Trichlorofluoromethane	3.512	101	128369	21.577	ug/l	99
8) Diethyl Ether	3.959	74	55670	22.460	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	68008	22.416	ug/l	88
10) 1,1-Dichloroethene	4.336	96	71289	22.370	ug/l	98
11) Methyl Iodide	4.577	142	30991m	12.351	ug/l	
12) Methyl Acetate	5.018	43	129914	22.091	ug/l	93
13) Acrolein	4.171	56	95483	106.304	ug/l	100
14) Acrylonitrile	5.706	53	276295	107.593	ug/l	98
15) Acetone	4.418	58	82456	112.379	ug/l	88
16) Carbon Disulfide	4.700	76	204928	20.731	ug/l	96
17) Allyl chloride	5.012	41	134487	20.705	ug/l	97
18) Methylene Chloride	5.265	84	89764	21.880	ug/l	88
19) trans-1,2-Dichloroethene	5.765	96	77969m	20.574	ug/l	
20) Diisopropyl ether	6.653	45	313564	21.191	ug/l	94
21) 1,1-Dichloroethane	6.547	63	163002	21.311	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	98134	21.046	ug/l	99
23) tert-Butyl Alcohol	5.518	59	113331	103.859	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	306487	21.106	ug/l	100
25) Chloroform	7.947	83	172787	21.642	ug/l	93
26) Cyclohexane	8.236	56	131818	21.525	ug/l #	98
29) 1,1-Dichloropropene	8.353	75	111557	20.879	ug/l	98
30) 2-Butanone	7.471	43	403640	102.488	ug/l	100
31) 2,2-Dichloropropane	7.477	77	149703	21.724	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	143654	21.081	ug/l	98
33) Carbon Tetrachloride	8.341	117	113619m	20.070	ug/l	
34) Benzene	8.588	78	353144	20.938	ug/l	97
35) Methacrylonitrile	7.765	41	85912	20.214	ug/l	92
36) 1,2-Dichloroethane	8.653	62	143755	21.088	ug/l	99
37) Trichloroethene	9.335	130	77531	20.868	ug/l	86
38) Methylcyclohexane	9.582	83	127826	20.622	ug/l	99
39) 1,2-Dichloropropane	9.600	63	93784	21.687	ug/l	98
40) Dibromomethane	9.694	93	67151	20.697	ug/l	97
41) Bromodichloromethane	9.871	83	137687	20.422	ug/l #	91
42) Vinyl Acetate	6.589	43	1348697	103.987	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	143207	18.822	ug/l	94
44) Isopropyl Acetate	8.677	43	268290	20.802	ug/l	99
45) 1,4-Dioxane	9.682	88	34641	421.321	ug/l	95
46) Methyl methacrylate	9.665	41	124549	20.458	ug/l	96
47) n-amyl Acetate	12.523	43	152480m	21.401	ug/l	
48) t-1,3-Dichloropropene	10.812	75	147876	20.161	ug/l	98
49) cis-1,3-Dichloropropene	10.294	75	151398	20.510	ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	87423	21.326	ug/l	97
51) Ethyl methacrylate	10.859	69	146346	20.271	ug/l	92
52) 1,3-Dichloropropane	11.141	76	155366	21.037	ug/l	99
53) Dibromochloromethane	11.341	129	97503	20.595	ug/l	99
54) 1,2-Dibromoethane	11.447	107	89595	20.588	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	368153	96.867	ug/l	99
56) Bromoform	12.559	173	59274	18.929	ug/l #	99
58) 4-Methyl-2-Pentanone	10.424	43	807343	105.787	ug/l	100
59) 2-Hexanone	11.177	43	544395	104.985	ug/l	98
61) Tetrachloroethene	11.082	164	63005	21.799	ug/l	96
62) Toluene	10.606	91	383347	20.936	ug/l	99
64) Chlorobenzene	11.871	112	233971	20.795	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.935	131	79624	20.128	ug/l	98
66) Ethyl Benzene	11.941	91	430696	21.103	ug/l	97
67) m/p-Xylenes	12.053	106	311526	41.585	ug/l	98
68) o-Xylene	12.376	106	155876	21.150	ug/l	94
69) Styrene	12.394	104	259502	20.621	ug/l	99
70) Isopropylbenzene	12.676	105	388808	20.765	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	136654	21.301	ug/l	99
72) 1,2,3-Trichloropropane	12.971	75	114156m	19.101	ug/l	
73) Bromobenzene	12.959	156	88297	20.342	ug/l	99
74) n-propylbenzene	13.012	91	489918	20.951	ug/l	99
75) 2-Chlorotoluene	13.106	91	297664	20.694	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	334888	20.889	ug/l	100
77) t-1,4-Dichloro-2-butene	12.718	75	40493	17.898	ug/l	90
78) 4-Chlorotoluene	13.200	91	306620	21.035	ug/l	100
79) tert-butylbenzene	13.418	119	283274	20.957	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	345694	21.580	ug/l	98
81) sec-Butylbenzene	13.594	105	416904	21.187	ug/l	100
82) p-Isopropyltoluene	13.706	119	345656	21.156	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	174531	21.116	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	182912	21.828	ug/l	98
85) n-Butylbenzene	14.035	91	339855	21.261	ug/l	99
86) Hexachloroethane	14.312	117	58419	18.310	ug/l	97
87) 1,2-Dichlorobenzene	14.082	146	170343	21.590	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.700	75	33152	20.398	ug/l	97
89) 1,2,4-Trichlorobenzene	15.812	180	99319	21.064	ug/l	100
90) Hexachlorobutadiene	15.476	225	39544	21.567	ug/l	96
91) Naphthalene	15.612	128	368516	20.497	ug/l	100
92) 1,2,3-Trichlorobenzene	15.812	180	99319	21.064	ug/l	100

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

