

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112625\
 Data File : VN088364.D
 Acq On : 26 Nov 2025 10:15
 Operator : JC\MD
 Sample : VN1126WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBSD01

Quant Time: Nov 27 00:09:36 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

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 12/01/2025

Supervised By :Semsetun
 Yesilyurt
 12/01/2025

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

Internal Standards						
1) Bromochloromethane	7.800	128	55071	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	276184	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	247299	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	140916	28.013	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.367%		
60) 4-Bromofluorobenzene	12.829	95	120337	28.786	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.967%		
63) Toluene-d8	10.547	98	351510	30.023	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.067%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	67759	17.503	ug/l	99
3) Chloromethane	2.383	50	72193	18.087	ug/l #	88
4) Vinyl Chloride	2.536	62	74045	17.545	ug/l	98
5) Bromomethane	2.983	94	37382	16.612	ug/l	84
6) Chloroethane	3.142	64	45387	17.399	ug/l	93
7) Trichlorofluoromethane	3.512	101	106268	17.960	ug/l	99
8) Diethyl Ether	3.965	74	39602	17.907	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	56825	18.306	ug/l	99
10) 1,1-Dichloroethene	4.342	96	54895	18.127	ug/l	95
11) Methyl Iodide	4.583	142	53973	16.748	ug/l	80
12) Methyl Acetate	5.012	43	95640m	19.576	ug/l	
13) Acrolein	4.177	56	112954	157.143	ug/l	98
14) Acrylonitrile	5.712	53	202961	91.426	ug/l	99
15) Acetone	4.418	58	44557	68.635	ug/l	96
16) Carbon Disulfide	4.706	76	174134	17.050	ug/l	98
17) Allyl chloride	5.012	41	100349	17.052	ug/l	97
18) Methylene Chloride	5.271	84	67024m	17.806	ug/l	
19) trans-1,2-Dichloroethene	5.777	96	60355	17.115	ug/l	95
20) Diisopropyl ether	6.665	45	226663	18.025	ug/l	96
21) 1,1-Dichloroethane	6.559	63	126134	17.804	ug/l	96
22) cis-1,2-Dichloroethene	7.471	96	73193	17.858	ug/l	96
23) tert-Butyl Alcohol	5.518	59	68813	84.300	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	213483	17.485	ug/l	98
25) Chloroform	7.947	83	127373	18.144	ug/l	97
26) Cyclohexane	8.241	56	100145	16.735	ug/l #	93
29) 1,1-Dichloropropene	8.353	75	84965	18.438	ug/l	98
30) 2-Butanone	7.471	43	267438	89.717	ug/l	99
31) 2,2-Dichloropropane	7.471	77	107777	18.962	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	108557	19.109	ug/l	99
33) Carbon Tetrachloride	8.347	117	90065	18.566	ug/l	93
34) Benzene	8.588	78	266068	19.316	ug/l	97
35) Methacrylonitrile	7.759	41	60253	19.378	ug/l	96
36) 1,2-Dichloroethane	8.653	62	100191	18.690	ug/l	100
37) Trichloroethene	9.335	130	62886	20.146	ug/l	99
38) Methylcyclohexane	9.582	83	94733	17.931	ug/l	99
39) 1,2-Dichloropropane	9.600	63	69596	19.584	ug/l	90
40) Dibromomethane	9.694	93	50222	19.669	ug/l	95
41) Bromodichloromethane	9.871	83	100079	19.471	ug/l	97
42) Vinyl Acetate	6.588	43	1010500	101.567	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.541	43	108169	18.035	ug/l	96
44) Isopropyl Acetate	8.671	43	178816	19.346	ug/l	97
45) 1,4-Dioxane	9.682	88	21128	379.578	ug/l #	94
46) Methyl methacrylate	9.665	41	71881	16.619	ug/l	93
47) n-amyl Acetate	12.688	43	82130m	17.535	ug/l	
48) t-1,3-Dichloropropene	10.818	75	98735	17.959	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	111075	19.418	ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	62485	19.791	ug/l	95
51) Ethyl methacrylate	10.853	69	94697	18.230	ug/l	94
52) 1,3-Dichloropropane	11.141	76	110632	19.241	ug/l	98
53) Dibromochloromethane	11.341	129	69690	19.217	ug/l	96
54) 1,2-Dibromoethane	11.447	107	63520	19.363	ug/l	97
55) 2-Chloroethyl vinyl ether	10.141	63	284961	95.233	ug/l	98
56) Bromoform	12.559	173	42855	18.669	ug/l	97
58) 4-Methyl-2-Pentanone	10.424	43	562936	100.645	ug/l	100
59) 2-Hexanone	11.176	43	337578	90.891	ug/l	99
61) Tetrachloroethene	11.082	164	58743	23.039	ug/l	95
62) Toluene	10.612	91	271648	19.141	ug/l	97
64) Chlorobenzene	11.870	112	165887	18.874	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.941	131	58029	19.290	ug/l	96
66) Ethyl Benzene	11.947	91	289266	18.494	ug/l	95
67) m/p-Xylenes	12.047	106	214823	36.727	ug/l	99
68) o-Xylene	12.376	106	102806	18.632	ug/l	95
69) Styrene	12.394	104	170031	18.144	ug/l	98
70) Isopropylbenzene	12.676	105	264079	18.059	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	85672	18.087	ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	93741m	20.428	ug/l	
73) Bromobenzene	12.959	156	62864	19.042	ug/l	98
74) n-propylbenzene	13.012	91	331419	18.314	ug/l	100
75) 2-Chlorotoluene	13.106	91	197251	17.925	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	222124	18.096	ug/l	100
77) t-1,4-Dichloro-2-butene	12.717	75	27890	17.698	ug/l	95
78) 4-Chlorotoluene	13.200	91	203340	18.235	ug/l	98
79) tert-butylbenzene	13.417	119	182240	17.341	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	218304	17.885	ug/l	96
81) sec-Butylbenzene	13.594	105	275417	17.968	ug/l	99
82) p-Isopropyltoluene	13.706	119	221045	17.452	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	116946	18.233	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	118865	18.299	ug/l	97
85) n-Butylbenzene	14.035	91	213313	17.671	ug/l	99
86) Hexachloroethane	14.306	117	40217	16.584	ug/l	99
87) 1,2-Dichlorobenzene	14.082	146	113913	18.816	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.694	75	20444	18.362	ug/l	96
89) 1,2,4-Trichlorobenzene	15.811	180	62537	18.407	ug/l	99
90) Hexachlorobutadiene	15.470	225	25343	19.208	ug/l	95
91) Naphthalene	15.617	128	219721	17.874	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	62537	18.407	ug/l	99

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

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