

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120525\
 Data File : VN088464.D
 Acq On : 05 Dec 2025 09:33
 Operator : JC\MD
 Sample : VN1205WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Quant Time: Dec 05 23:36:34 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	7.794	128	55054	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	271017	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	253115	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	156464	31.113	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.700%	
60) 4-Bromofluorobenzene	12.824	95	127062	29.696	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 99.000%	
63) Toluene-d8	10.541	98	371651	31.014	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.367%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	64929	16.778	ug/l	98
3) Chloromethane	2.383	50	76902	19.273	ug/l	92
4) Vinyl Chloride	2.536	62	73357	17.387	ug/l	100
5) Bromomethane	2.983	94	38260	17.007	ug/l	99
6) Chloroethane	3.142	64	48633	18.649	ug/l	98
7) Trichlorofluoromethane	3.518	101	104964	17.745	ug/l	97
8) Diethyl Ether	3.965	74	42409	19.182	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	53481	17.234	ug/l	99
10) 1,1-Dichloroethene	4.348	96	56373	18.621	ug/l	87
11) Methyl Iodide	4.589	142	50403	15.645	ug/l	85
12) Methyl Acetate	5.018	43	105375	21.576	ug/l #	87
13) Acrolein	4.171	56	63627	88.546	ug/l	98
14) Acrylonitrile	5.706	53	206542	93.068	ug/l	99
15) Acetone	4.424	58	41381m	63.762	ug/l	
16) Carbon Disulfide	4.706	76	172659	16.911	ug/l	98
17) Allyl chloride	5.006	41	106813m	18.156	ug/l	
18) Methylene Chloride	5.265	84	72054	19.148	ug/l	92
19) trans-1,2-Dichloroethene	5.783	96	63651	18.056	ug/l	96
20) Diisopropyl ether	6.653	45	251802	20.030	ug/l	97
21) 1,1-Dichloroethane	6.547	63	136925	19.333	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	76843	18.755	ug/l	97
23) tert-Butyl Alcohol	5.506	59	58216	71.340	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	234613	19.221	ug/l	97
25) Chloroform	7.947	83	139376	19.860	ug/l	98
26) Cyclohexane	8.236	56	98411	16.450	ug/l #	90
29) 1,1-Dichloropropene	8.353	75	88027	19.466	ug/l	98
30) 2-Butanone	7.465	43	255518	87.352	ug/l	99
31) 2,2-Dichloropropane	7.465	77	120601	21.623	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	115001	20.630	ug/l	98
33) Carbon Tetrachloride	8.341	117	96056	20.178	ug/l	92
34) Benzene	8.583	78	278121	20.576	ug/l	96
35) Methacrylonitrile	7.753	41	59792	19.596	ug/l	95
36) 1,2-Dichloroethane	8.647	62	121335	23.066	ug/l	98
37) Trichloroethene	9.330	130	63899	20.861	ug/l	95
38) Methylcyclohexane	9.577	83	77669	14.981	ug/l	94
39) 1,2-Dichloropropane	9.600	63	73865	21.181	ug/l	100
40) Dibromomethane	9.688	93	52596	20.992	ug/l	98
41) Bromodichloromethane	9.865	83	112926	22.389	ug/l	97
42) Vinyl Acetate	6.589	43	1102746	112.952	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.542	43	127172	21.608	ug/l	99
44) Isopropyl Acetate	8.671	43	189939	20.941	ug/l	99
45) 1,4-Dioxane	9.683	88	17076	312.630	ug/l	87
46) Methyl methacrylate	9.659	41	90511	21.325	ug/l	96
47) n-amyl Acetate	12.682	43	85733m	18.653	ug/l	
48) t-1,3-Dichloropropene	10.812	75	109122	20.227	ug/l	100
49) cis-1,3-Dichloropropene	10.288	75	119146	21.226	ug/l	99
50) 1,1,2-Trichloroethane	10.988	97	67775	21.876	ug/l	95
51) Ethyl methacrylate	10.853	69	101028	19.820	ug/l	95
52) 1,3-Dichloropropane	11.141	76	118365	20.978	ug/l	98
53) Dibromochloromethane	11.335	129	76207	21.414	ug/l	98
54) 1,2-Dibromoethane	11.441	107	66003	20.504	ug/l	100
55) 2-Chloroethyl vinyl ether	10.135	63	254479	86.667	ug/l	98
56) Bromoform	12.553	173	45910	20.382	ug/l	98
58) 4-Methyl-2-Pentanone	10.424	43	601536	105.075	ug/l	98
59) 2-Hexanone	11.177	43	358492	94.304	ug/l	98
61) Tetrachloroethene	11.082	164	52727	20.205	ug/l	93
62) Toluene	10.606	91	289451	19.927	ug/l	98
64) Chlorobenzene	11.865	112	178862	19.882	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.935	131	62928	20.437	ug/l	97
66) Ethyl Benzene	11.941	91	300332	18.760	ug/l	99
67) m/p-Xylenes	12.047	106	228869	38.229	ug/l	98
68) o-Xylene	12.377	106	106979	18.943	ug/l	99
69) Styrene	12.388	104	184828	19.269	ug/l	98
70) Isopropylbenzene	12.671	105	270315	18.061	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.912	83	100768	20.785	ug/l	97
72) 1,2,3-Trichloropropane	12.971	75	95329m	20.297	ug/l	
73) Bromobenzene	12.959	156	66930	19.808	ug/l	99
74) n-propylbenzene	13.012	91	342169	18.474	ug/l	99
75) 2-Chlorotoluene	13.100	91	212321	18.852	ug/l	99
76) 1,3,5-Trimethylbenzene	13.147	105	230610	18.356	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	32517	20.160	ug/l	89
78) 4-Chlorotoluene	13.200	91	221558	19.412	ug/l	99
79) tert-butylbenzene	13.412	119	180923	16.820	ug/l	96
80) 1,2,4-Trimethylbenzene	13.459	105	230759	18.471	ug/l	98
81) sec-Butylbenzene	13.588	105	268064	17.087	ug/l	99
82) p-Isopropyltoluene	13.706	119	217852	16.805	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	128917	19.637	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	131201	19.734	ug/l	99
85) n-Butylbenzene	14.029	91	201551	16.313	ug/l	98
86) Hexachloroethane	14.306	117	41732	16.813	ug/l	95
87) 1,2-Dichlorobenzene	14.082	146	118364	19.102	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.694	75	21551	18.912	ug/l	94
89) 1,2,4-Trichlorobenzene	15.812	180	61919	17.807	ug/l	98
90) Hexachlorobutadiene	15.476	225	22855	16.925	ug/l	93
91) Naphthalene	15.612	128	219560	17.451	ug/l	99
92) 1,2,3-Trichlorobenzene	15.812	180	61919	17.807	ug/l	98

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

