

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120525\
 Data File : VN088465.D
 Acq On : 05 Dec 2025 10:06
 Operator : JC\MD
 Sample : VN1205WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBSD01

Quant Time: Dec 05 23:37:22 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	58378	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	295792	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	269874	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	168406	31.581	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 105.267%	
60) 4-Bromofluorobenzene	12.823	95	138483	30.355	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 101.200%	
63) Toluene-d8	10.541	98	402691	31.517	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 105.067%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	83332	20.307	ug/l	99
3) Chloromethane	2.383	50	85749	20.267	ug/l	100
4) Vinyl Chloride	2.536	62	89115	19.919	ug/l	95
5) Bromomethane	2.989	94	43377	18.184	ug/l	91
6) Chloroethane	3.148	64	55373	20.024	ug/l	98
7) Trichlorofluoromethane	3.518	101	133204	21.237	ug/l	96
8) Diethyl Ether	3.959	74	48025	20.486	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	66969	20.352	ug/l	84
10) 1,1-Dichloroethene	4.342	96	65728	20.475	ug/l	87
11) Methyl Iodide	4.595	142	58499	17.124	ug/l	91
12) Methyl Acetate	5.012	43	118109m	22.806	ug/l	
13) Acrolein	4.183	56	79402	104.207	ug/l	100
14) Acrylonitrile	5.706	53	232103	98.631	ug/l	99
15) Acetone	4.424	58	47427	68.917	ug/l	94
16) Carbon Disulfide	4.712	76	204979	18.933	ug/l	99
17) Allyl chloride	5.006	41	122299m	19.605	ug/l	
18) Methylene Chloride	5.265	84	80569	20.192	ug/l	92
19) trans-1,2-Dichloroethene	5.771	96	72424m	19.375	ug/l	
20) Diisopropyl ether	6.653	45	283088	21.237	ug/l	98
21) 1,1-Dichloroethane	6.553	63	156749	20.872	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	86700	19.956	ug/l	98
23) tert-Butyl Alcohol	5.512	59	70639	81.635	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	267703	20.683	ug/l	96
25) Chloroform	7.947	83	158104	21.246	ug/l	99
26) Cyclohexane	8.235	56	123338	19.443	ug/l #	92
29) 1,1-Dichloropropene	8.353	75	103655	21.002	ug/l	99
30) 2-Butanone	7.465	43	298792	93.591	ug/l	100
31) 2,2-Dichloropropane	7.471	77	136120	22.361	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	137921	22.669	ug/l	99
33) Carbon Tetrachloride	8.341	117	111235	21.410	ug/l	98
34) Benzene	8.582	78	317818	21.543	ug/l	97
35) Methacrylonitrile	7.759	41	74244	22.295	ug/l	92
36) 1,2-Dichloroethane	8.647	62	132365	23.055	ug/l	98
37) Trichloroethene	9.329	130	71992	21.534	ug/l	93
38) Methylcyclohexane	9.577	83	105316	18.613	ug/l	96
39) 1,2-Dichloropropane	9.594	63	86522	22.732	ug/l	97
40) Dibromomethane	9.688	93	62642	22.907	ug/l	98
41) Bromodichloromethane	9.865	83	125111	22.727	ug/l	98
42) Vinyl Acetate	6.588	43	1149316	107.862	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.541	43	131258	20.434	ug/l	96
44) Isopropyl Acetate	8.671	43	214097	21.627	ug/l	99
45) 1,4-Dioxane	9.682	88	21186	355.389	ug/l	100
46) Methyl methacrylate	9.659	41	92284	19.921	ug/l	92
47) n-amyl Acetate	12.682	43	103711m	20.675	ug/l	
48) t-1,3-Dichloropropene	10.812	75	124941	21.220	ug/l	97
49) cis-1,3-Dichloropropene	10.288	75	134047	21.881	ug/l	91
50) 1,1,2-Trichloroethane	10.994	97	74451	22.018	ug/l	97
51) Ethyl methacrylate	10.853	69	117713	21.159	ug/l	94
52) 1,3-Dichloropropane	11.135	76	137190	22.278	ug/l	100
53) Dibromochloromethane	11.335	129	88103	22.683	ug/l	99
54) 1,2-Dibromoethane	11.441	107	76424	21.752	ug/l	96
55) 2-Chloroethyl vinyl ether	10.135	63	339470	105.929	ug/l	99
56) Bromoform	12.553	173	51407	20.910	ug/l	97
58) 4-Methyl-2-Pentanone	10.424	43	677277	110.958	ug/l	100
59) 2-Hexanone	11.176	43	411741	101.586	ug/l	99
61) Tetrachloroethene	11.076	164	62982	22.636	ug/l	99
62) Toluene	10.606	91	336006	21.696	ug/l	98
64) Chlorobenzene	11.865	112	202712	21.134	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.935	131	72114	21.966	ug/l	96
66) Ethyl Benzene	11.941	91	352085	20.627	ug/l	99
67) m/p-Xylenes	12.047	106	264552	41.446	ug/l	97
68) o-Xylene	12.376	106	125237	20.798	ug/l	97
69) Styrene	12.388	104	212533	20.782	ug/l	99
70) Isopropylbenzene	12.670	105	320863	20.107	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.912	83	109034	21.093	ug/l	98
72) 1,2,3-Trichloropropane	12.970	75	106633m	21.294	ug/l	
73) Bromobenzene	12.959	156	75276	20.895	ug/l	99
74) n-propylbenzene	13.012	91	408412	20.681	ug/l	98
75) 2-Chlorotoluene	13.100	91	241136	20.081	ug/l	99
76) 1,3,5-Trimethylbenzene	13.147	105	274722	20.509	ug/l	99
77) t-1,4-Dichloro-2-butene	12.717	75	35995	20.931	ug/l	83
78) 4-Chlorotoluene	13.200	91	252859	20.779	ug/l	98
79) tert-butylbenzene	13.412	119	215112	18.757	ug/l	95
80) 1,2,4-Trimethylbenzene	13.459	105	273465	20.530	ug/l	98
81) sec-Butylbenzene	13.588	105	325506	19.460	ug/l	99
82) p-Isopropyltoluene	13.706	119	265003	19.173	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	147487	21.071	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	148538	20.954	ug/l	99
85) n-Butylbenzene	14.029	91	251816	19.116	ug/l	99
86) Hexachloroethane	14.306	117	46748	17.664	ug/l	100
87) 1,2-Dichlorobenzene	14.082	146	137717	20.845	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	22702	18.685	ug/l	96
89) 1,2,4-Trichlorobenzene	15.811	180	73635	19.861	ug/l	98
90) Hexachlorobutadiene	15.464	225	26440	18.364	ug/l	99
91) Naphthalene	15.611	128	256999	19.158	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	73635	19.861	ug/l	98

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

