

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100925\
 Data File : VN088050.D
 Acq On : 09 Oct 2025 10:25
 Operator : JC\MD
 Sample : VN1009WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Oct 10 00:48:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 09 02:36:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	65203	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	370341	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	323049	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	156754	30.874	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.900%
60) 4-Bromofluorobenzene	12.829	95	162288	30.473	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.567%
63) Toluene-d8	10.541	98	445415	30.946	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.167%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	84428	22.607	ug/l	91
3) Chloromethane	2.383	50	84974	20.069	ug/l	94
4) Vinyl Chloride	2.536	62	93535	21.186	ug/l	97
5) Bromomethane	2.983	94	51473	21.682	ug/l	85
6) Chloroethane	3.142	64	58614	20.126	ug/l	96
7) Trichlorofluoromethane	3.512	101	130227	21.692	ug/l	97
8) Diethyl Ether	3.965	74	55069	20.301	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	73676	22.925	ug/l	94
10) 1,1-Dichloroethene	4.342	96	73602	21.469	ug/l	91
11) Methyl Iodide	4.577	142	58419	18.489	ug/l	93
12) Methyl Acetate	5.012	43	104302	18.714	ug/l	92
13) Acrolein	4.183	56	82323	95.450	ug/l #	4
14) Acrylonitrile	5.706	53	254351	94.568	ug/l	99
15) Acetone	4.418	58	71464	90.728	ug/l	82
16) Carbon Disulfide	4.700	76	221951	20.652	ug/l	98
17) Allyl chloride	5.012	41	126601	19.570	ug/l	97
18) Methylene Chloride	5.259	84	86353	19.818	ug/l	94
19) trans-1,2-Dichloroethene	5.771	96	80703	20.361	ug/l	91
20) Diisopropyl ether	6.659	45	297834	20.223	ug/l	97
21) 1,1-Dichloroethane	6.553	63	158954	20.732	ug/l	95
22) cis-1,2-Dichloroethene	7.465	96	98327	19.817	ug/l	97
23) tert-Butyl Alcohol	5.518	59	92116	85.395	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	295903	19.996	ug/l	99
25) Chloroform	7.947	83	157545	19.912	ug/l	100
26) Cyclohexane	8.241	56	138359	21.781	ug/l	98
29) 1,1-Dichloropropene	8.353	75	111305	20.968	ug/l	97
30) 2-Butanone	7.465	43	359565	91.839	ug/l #	79
31) 2,2-Dichloropropane	7.471	77	139636	20.415	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	137601	20.744	ug/l	99
33) Carbon Tetrachloride	8.341	117	116726	21.009	ug/l	90
34) Benzene	8.588	78	344907	19.588	ug/l	99
35) Methacrylonitrile	7.759	41	76164	18.499	ug/l	96
36) 1,2-Dichloroethane	8.653	62	122699	20.073	ug/l	99
37) Trichloroethene	9.335	130	80433	19.281	ug/l	96
38) Methylcyclohexane	9.577	83	144946	22.110	ug/l	97
39) 1,2-Dichloropropane	9.600	63	87148	19.739	ug/l	94
40) Dibromomethane	9.688	93	61666	19.188	ug/l	95
41) Bromodichloromethane	9.865	83	130554	19.890	ug/l	98
42) Vinyl Acetate	6.589	43	1380938	103.536	ug/l	97

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 Supervised By :Mahesh
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	147635m	19.617	ug/l	
44) Isopropyl Acetate	8.671	43	237802	19.346	ug/l	
45) 1,4-Dioxane	9.682	88	28031	342.868	ug/l #	
46) Methyl methacrylate	9.665	41	105901	19.563	ug/l	
47) n-amyl Acetate	12.588	43	119802m	20.562	ug/l	
48) t-1,3-Dichloropropene	10.818	75	142074	19.466	ug/l	
49) cis-1,3-Dichloropropene	10.294	75	147026	19.312	ug/l	
50) 1,1,2-Trichloroethane	10.994	97	83376	19.591	ug/l	
51) Ethyl methacrylate	10.853	69	142543	19.790	ug/l	
52) 1,3-Dichloropropane	11.141	76	145334	19.573	ug/l	
53) Dibromochloromethane	11.335	129	94997	18.671	ug/l	
54) 1,2-Dibromoethane	11.447	107	87493	19.229	ug/l	
55) 2-Chloroethyl vinyl ether	10.141	63	354980	91.306	ug/l	
56) Bromoform	12.559	173	61605	17.909	ug/l	
58) 4-Methyl-2-Pentanone	10.424	43	699678	96.830	ug/l	
59) 2-Hexanone	11.177	43	471360	98.802	ug/l	
61) Tetrachloroethene	11.082	164	67120	20.517	ug/l	
62) Toluene	10.606	91	372704	20.339	ug/l	
64) Chlorobenzene	11.871	112	238973	20.417	ug/l	
65) 1,1,1,2-Tetrachloroethane	11.941	131	79789	19.781	ug/l	
66) Ethyl Benzene	11.941	91	409772	20.565	ug/l	
67) m/p-Xylenes	12.047	106	310255	40.390	ug/l	
68) o-Xylene	12.376	106	153519	20.076	ug/l	
69) Styrene	12.388	104	259219	20.493	ug/l	
70) Isopropylbenzene	12.671	105	394277	21.038	ug/l	
71) 1,1,2,2-Tetrachloroethane	12.918	83	126318	19.880	ug/l	
72) 1,2,3-Trichloropropane	12.970	75	117008m	19.828	ug/l	
73) Bromobenzene	12.959	156	91435	19.961	ug/l	
74) n-propylbenzene	13.012	91	480225	21.226	ug/l	
75) 2-Chlorotoluene	13.100	91	284028	20.532	ug/l	
76) 1,3,5-Trimethylbenzene	13.153	105	333666	20.959	ug/l	
77) t-1,4-Dichloro-2-butene	12.718	75	44032	18.724	ug/l	
78) 4-Chlorotoluene	13.200	91	296519	21.098	ug/l	
79) tert-butylbenzene	13.412	119	296371	21.475	ug/l	
80) 1,2,4-Trimethylbenzene	13.459	105	337723	21.191	ug/l	
81) sec-Butylbenzene	13.594	105	425149	21.911	ug/l	
82) p-Isopropyltoluene	13.706	119	360739	21.775	ug/l	
83) 1,3-Dichlorobenzene	13.712	146	173399	20.119	ug/l	
84) 1,4-Dichlorobenzene	13.788	146	179387	20.182	ug/l	
85) n-Butylbenzene	14.035	91	336726	21.848	ug/l	
86) Hexachloroethane	14.312	117	66213	19.952	ug/l	
87) 1,2-Dichlorobenzene	14.082	146	169411	19.984	ug/l	
88) 1,2-Dibromo-3-Chloropr...	14.700	75	26887	18.425	ug/l	
89) 1,2,4-Trichlorobenzene	15.811	180	97420	19.293	ug/l	
90) Hexachlorobutadiene	15.470	225	36383	20.703	ug/l	
91) Naphthalene	15.611	128	356687	19.294	ug/l	
92) 1,2,3-Trichlorobenzene	15.811	180	97420	19.293	ug/l	

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

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