

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100925\
 Data File : VN088049.D
 Acq On : 09 Oct 2025 09:50
 Operator : JC\MD
 Sample : VN1009WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/10/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 10 00:46:58 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	56335	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	309061	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	277391	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	134154	30.582	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.933%			
60) 4-Bromofluorobenzene	12.829	95	135651	29.664	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.867%			
63) Toluene-d8	10.541	98	375241	30.362	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	61165	18.956	ug/l	93
3) Chloromethane	2.383	50	64855	17.729	ug/l	98
4) Vinyl Chloride	2.536	62	68737	18.020	ug/l	100
5) Bromomethane	2.989	94	38859	18.945	ug/l	100
6) Chloroethane	3.142	64	43045	17.107	ug/l	99
7) Trichlorofluoromethane	3.512	101	96639	18.631	ug/l	100
8) Diethyl Ether	3.959	74	41563	17.734	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	50757	18.280	ug/l	97
10) 1,1-Dichloroethene	4.336	96	52558	17.744	ug/l	94
11) Methyl Iodide	4.583	142	41390	15.162	ug/l	91
12) Methyl Acetate	5.012	43	81046	16.831	ug/l	96
13) Acrolein	4.183	56	59422	79.742	ug/l #	4
14) Acrylonitrile	5.706	53	196269	84.460	ug/l	99
15) Acetone	4.418	58	57278	84.165	ug/l	89
16) Carbon Disulfide	4.700	76	167579	18.048	ug/l	100
17) Allyl chloride	5.012	41	97427	17.431	ug/l	99
18) Methylene Chloride	5.271	84	68114	18.093	ug/l	97
19) trans-1,2-Dichloroethene	5.771	96	61237	17.881	ug/l	89
20) Diisopropyl ether	6.653	45	223007	17.525	ug/l	99
21) 1,1-Dichloroethane	6.559	63	120986	18.264	ug/l	95
22) cis-1,2-Dichloroethene	7.471	96	74935	17.480	ug/l	97
23) tert-Butyl Alcohol	5.524	59	71446	76.659	ug/l #	100
24) Methyl tert-Butyl Ether	5.777	73	224196	17.535	ug/l	99
25) Chloroform	7.947	83	120445	17.620	ug/l	100
26) Cyclohexane	8.235	56	99231	18.080	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	81928	18.494	ug/l	97
30) 2-Butanone	7.471	43	274166	83.911	ug/l	99
31) 2,2-Dichloropropane	7.471	77	105914	18.555	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	100060	18.076	ug/l	98
33) Carbon Tetrachloride	8.347	117	84532	18.231	ug/l	92
34) Benzene	8.588	78	261626	17.805	ug/l	99
35) Methacrylonitrile	7.759	41	59827	17.413	ug/l	99
36) 1,2-Dichloroethane	8.653	62	94948	18.613	ug/l	100
37) Trichloroethene	9.329	130	62498	17.952	ug/l	93
38) Methylcyclohexane	9.582	83	99830	18.248	ug/l	97
39) 1,2-Dichloropropane	9.606	63	66180	17.962	ug/l	94
40) Dibromomethane	9.688	93	48002	17.898	ug/l	93
41) Bromodichloromethane	9.871	83	95961	17.519	ug/l	97
42) Vinyl Acetate	6.588	43	1049719	94.308	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	110028	17.518	ug/l	99
44) Isopropyl Acetate	8.671	43	178558	17.406	ug/l	95
45) 1,4-Dioxane	9.676	88	21675	317.691	ug/l #	94
46) Methyl methacrylate	9.659	41	73257	16.216	ug/l	91
47) n-amyl Acetate	12.676	43	85929m	17.673	ug/l	
48) t-1,3-Dichloropropene	10.812	75	109470	17.973	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	113490	17.862	ug/l	96
50) 1,1,2-Trichloroethane	10.994	97	61531	17.324	ug/l	95
51) Ethyl methacrylate	10.859	69	106336	17.691	ug/l	95
52) 1,3-Dichloropropane	11.141	76	113583	18.330	ug/l	99
53) Dibromochloromethane	11.335	129	72808	17.147	ug/l	99
54) 1,2-Dibromoethane	11.447	107	66241	17.445	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	253553	78.149	ug/l	99
56) Bromoform	12.559	173	45399	15.815	ug/l	99
58) 4-Methyl-2-Pentanone	10.424	43	535667	86.334	ug/l	100
59) 2-Hexanone	11.176	43	352854	86.136	ug/l	98
61) Tetrachloroethene	11.082	164	50715	18.054	ug/l	92
62) Toluene	10.606	91	281208	17.872	ug/l	99
64) Chlorobenzene	11.870	112	180584	17.968	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.941	131	61044	17.625	ug/l	98
66) Ethyl Benzene	11.941	91	314166	18.362	ug/l	99
67) m/p-Xylenes	12.047	106	236486	35.854	ug/l	96
68) o-Xylene	12.376	106	118924	18.112	ug/l	100
69) Styrene	12.388	104	190528	17.541	ug/l	98
70) Isopropylbenzene	12.670	105	291885	18.138	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.917	83	93851	17.202	ug/l	100
72) 1,2,3-Trichloropropane	12.970	75	83281m	16.436	ug/l	
73) Bromobenzene	12.959	156	69693	17.719	ug/l	99
74) n-propylbenzene	13.012	91	355095	18.279	ug/l	99
75) 2-Chlorotoluene	13.106	91	213187	17.947	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	249136	18.225	ug/l	97
77) t-1,4-Dichloro-2-butene	12.717	75	31716	15.706	ug/l	88
78) 4-Chlorotoluene	13.200	91	223780	18.543	ug/l	96
79) tert-butylbenzene	13.417	119	216762	18.292	ug/l	100
80) 1,2,4-Trimethylbenzene	13.459	105	254506	18.598	ug/l	98
81) sec-Butylbenzene	13.594	105	310550	18.639	ug/l	98
82) p-Isopropyltoluene	13.706	119	261605	18.391	ug/l	100
83) 1,3-Dichlorobenzene	13.712	146	131926	17.827	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	138453	18.141	ug/l	98
85) n-Butylbenzene	14.035	91	242561	18.328	ug/l	97
86) Hexachloroethane	14.306	117	49559	17.391	ug/l	92
87) 1,2-Dichlorobenzene	14.082	146	126369	17.361	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	20446	16.317	ug/l	99
89) 1,2,4-Trichlorobenzene	15.811	180	72120	16.634	ug/l	97
90) Hexachlorobutadiene	15.470	225	27104	17.961	ug/l	94
91) Naphthalene	15.611	128	267534	16.854	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	72120	16.634	ug/l	97

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

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