

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112625\
 Data File : VN088363.D
 Acq On : 26 Nov 2025 09:42
 Operator : JC\MD
 Sample : VN1126WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/01/2025
 Supervised By :Semsettin Yesilyurt 12/01/2025

Quant Time: Nov 27 00:08:49 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	57477	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	302288	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	272302	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	147107	28.019	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	93.400%		
60) 4-Bromofluorobenzene	12.829	95	127582	27.716	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	92.400%		
63) Toluene-d8	10.547	98	386682	29.994	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.967%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	81075	20.067	ug/l	96
3) Chloromethane	2.383	50	79761	19.147	ug/l	97
4) Vinyl Chloride	2.536	62	84515	19.187	ug/l	95
5) Bromomethane	2.989	94	39403	16.777	ug/l	94
6) Chloroethane	3.148	64	51891	19.059	ug/l	91
7) Trichlorofluoromethane	3.512	101	121589	19.689	ug/l	97
8) Diethyl Ether	3.965	74	40620	17.599	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	65513	20.222	ug/l	98
10) 1,1-Dichloroethene	4.336	96	62482	19.769	ug/l	96
11) Methyl Iodide	4.589	142	60075	17.861	ug/l #	82
12) Methyl Acetate	5.018	43	99145	19.444	ug/l	97
13) Acrolein	4.177	56	113629	151.465	ug/l	99
14) Acrylonitrile	5.706	53	215838	93.157	ug/l	98
15) Acetone	4.424	58	45393	66.996	ug/l	89
16) Carbon Disulfide	4.706	76	200210	18.782	ug/l	99
17) Allyl chloride	5.018	41	104679	17.043	ug/l	99
18) Methylene Chloride	5.271	84	72125	18.359	ug/l	91
19) trans-1,2-Dichloroethene	5.777	96	68653	18.654	ug/l	97
20) Diisopropyl ether	6.653	45	243039	18.518	ug/l	99
21) 1,1-Dichloroethane	6.553	63	140764	19.037	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	81177	18.977	ug/l	94
23) tert-Butyl Alcohol	5.512	59	68773	80.724	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	228419	17.925	ug/l	97
25) Chloroform	7.947	83	137728	18.798	ug/l	99
26) Cyclohexane	8.236	56	116406	18.638	ug/l #	95
29) 1,1-Dichloropropene	8.353	75	99578	19.743	ug/l	99
30) 2-Butanone	7.471	43	266992	81.833	ug/l	99
31) 2,2-Dichloropropane	7.477	77	121604	19.547	ug/l	100
32) 1,1,1-Trichloroethane	8.147	97	123495	19.862	ug/l	98
33) Carbon Tetrachloride	8.347	117	99665	18.771	ug/l	99
34) Benzene	8.588	78	296637	19.676	ug/l	100
35) Methacrylonitrile	7.765	41	59999	17.630	ug/l	95
36) 1,2-Dichloroethane	8.653	62	108221	18.444	ug/l	99
37) Trichloroethene	9.335	130	70279	20.570	ug/l	96
38) Methylcyclohexane	9.583	83	111054	19.205	ug/l	99
39) 1,2-Dichloropropane	9.606	63	75335	19.368	ug/l	92
40) Dibromomethane	9.688	93	52027	18.617	ug/l	94
41) Bromodichloromethane	9.865	83	106856	18.994	ug/l	99
42) Vinyl Acetate	6.589	43	955530	87.748	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	128419	19.562	ug/l	99
44) Isopropyl Acetate	8.671	43	186701	18.455	ug/l	98
45) 1,4-Dioxane	9.677	88	22875	375.475	ug/l	96
46) Methyl methacrylate	9.665	41	85582	18.078	ug/l	83
47) n-amyl Acetate	12.682	43	88539m	17.271	ug/l	
48) t-1,3-Dichloropropene	10.818	75	108144	17.972	ug/l	91
49) cis-1,3-Dichloropropene	10.294	75	118722	18.963	ug/l	97
50) 1,1,2-Trichloroethane	10.994	97	66888	19.356	ug/l	98
51) Ethyl methacrylate	10.859	69	100728	17.717	ug/l	95
52) 1,3-Dichloropropane	11.141	76	119638	19.010	ug/l	100
53) Dibromochloromethane	11.341	129	75782	19.092	ug/l	98
54) 1,2-Dibromoethane	11.447	107	66352	18.480	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	311576	95.136	ug/l	99
56) Bromoform	12.559	173	46503	18.509	ug/l	100
58) 4-Methyl-2-Pentanone	10.424	43	594736	96.567	ug/l	99
59) 2-Hexanone	11.177	43	363870	88.974	ug/l	99
61) Tetrachloroethene	11.082	164	67205	23.938	ug/l	93
62) Toluene	10.606	91	306313	19.602	ug/l	98
64) Chlorobenzene	11.871	112	184521	19.066	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.941	131	63878	19.284	ug/l	96
66) Ethyl Benzene	11.941	91	324281	18.829	ug/l	99
67) m/p-Xylenes	12.047	106	245747	38.156	ug/l	97
68) o-Xylene	12.376	106	114162	18.790	ug/l	94
69) Styrene	12.394	104	189232	18.338	ug/l	99
70) Isopropylbenzene	12.676	105	303454	18.846	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	91007	17.449	ug/l	99
72) 1,2,3-Trichloropropane	12.976	75	86357m	17.091	ug/l	
73) Bromobenzene	12.959	156	68423	18.823	ug/l	97
74) n-propylbenzene	13.012	91	380417	19.091	ug/l	99
75) 2-Chlorotoluene	13.106	91	221828	18.308	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	250647	18.545	ug/l	98
77) t-1,4-Dichloro-2-butene	12.718	75	29597	17.057	ug/l	94
78) 4-Chlorotoluene	13.200	91	224829	18.311	ug/l	97
79) tert-butylbenzene	13.418	119	212723	18.383	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	243363	18.108	ug/l	98
81) sec-Butylbenzene	13.594	105	311218	18.440	ug/l	99
82) p-Isopropyltoluene	13.706	119	257559	18.468	ug/l	98
83) 1,3-Dichlorobenzene	13.712	146	131927	18.680	ug/l	99
84) 1,4-Dichlorobenzene	13.794	146	134726	18.837	ug/l	98
85) n-Butylbenzene	14.035	91	242689	18.259	ug/l	99
86) Hexachloroethane	14.312	117	44121	16.523	ug/l	97
87) 1,2-Dichlorobenzene	14.082	146	121454	18.219	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	21042	17.164	ug/l	96
89) 1,2,4-Trichlorobenzene	15.812	180	70316	18.797	ug/l	97
90) Hexachlorobutadiene	15.470	225	28055	19.311	ug/l	99
91) Naphthalene	15.617	128	235066	17.367	ug/l	99
92) 1,2,3-Trichlorobenzene	15.812	180	70316	18.797	ug/l	97

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

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