

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
 Data File : VN088355.D
 Acq On : 25 Nov 2025 12:11
 Operator : JC\MD
 Sample : VN1125WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Nov 26 00:17:40 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	56469	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	292399	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	260491	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	146994	28.498	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.000%
60) 4-Bromofluorobenzene	12.829	95	125088	28.407	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.700%
63) Toluene-d8	10.547	98	377510	30.611	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.033%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	71212	17.940	ug/l	94
3) Chloromethane	2.383	50	81588	19.935	ug/l	92
4) Vinyl Chloride	2.536	62	82037	18.957	ug/l	99
5) Bromomethane	2.989	94	40402	17.510	ug/l	91
6) Chloroethane	3.142	64	51588	19.286	ug/l	100
7) Trichlorofluoromethane	3.512	101	110579	18.226	ug/l	100
8) Diethyl Ether	3.959	74	45232	19.947	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	56929	17.886	ug/l	97
10) 1,1-Dichloroethene	4.342	96	57618	18.556	ug/l	92
11) Methyl Iodide	4.589	142	60878	18.423	ug/l	92
12) Methyl Acetate	5.012	43	106300	21.220	ug/l	93
13) Acrolein	4.177	56	103711	140.712	ug/l	97
14) Acrylonitrile	5.712	53	230440	101.235	ug/l	98
15) Acetone	4.418	58	48448	72.781	ug/l	93
16) Carbon Disulfide	4.706	76	191807	18.315	ug/l	98
17) Allyl chloride	5.012	41	114287	18.940	ug/l	96
18) Methylene Chloride	5.265	84	77374	20.047	ug/l	93
19) trans-1,2-Dichloroethene	5.777	96	66805	18.476	ug/l	94
20) Diisopropyl ether	6.653	45	263972	20.472	ug/l	94
21) 1,1-Dichloroethane	6.547	63	142063	19.556	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	83684	19.913	ug/l	97
23) tert-Butyl Alcohol	5.512	59	76723	91.663	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	246998	19.729	ug/l #	80
25) Chloroform	7.947	83	142640	19.816	ug/l	98
26) Cyclohexane	8.241	56	109956	17.920	ug/l #	91
29) 1,1-Dichloropropene	8.353	75	92642	18.989	ug/l	100
30) 2-Butanone	7.471	43	297434	94.246	ug/l	100
31) 2,2-Dichloropropane	7.471	77	119936	19.931	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	118735	19.742	ug/l	98
33) Carbon Tetrachloride	8.341	117	95426	18.580	ug/l	95
34) Benzene	8.588	78	298009	20.435	ug/l	97
35) Methacrylonitrile	7.759	41	68093	20.685	ug/l	95
36) 1,2-Dichloroethane	8.653	62	116777	20.576	ug/l	100
37) Trichloroethene	9.335	130	70084	21.207	ug/l	100
38) Methylcyclohexane	9.582	83	94996	16.984	ug/l	98
39) 1,2-Dichloropropane	9.600	63	79802	21.210	ug/l	95
40) Dibromomethane	9.688	93	57397	21.233	ug/l	98
41) Bromodichloromethane	9.865	83	112737	20.717	ug/l	100
42) Vinyl Acetate	6.588	43	1091036	103.580	ug/l	100

11/26/2025
 Supervised By :Mahesh
 adoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.547	43	123894	19.511	ug/l	#	93
44) Isopropyl Acetate	8.671	43	203775	20.823	ug/l		98
45) 1,4-Dioxane	9.677	88	24246	411.439	ug/l	#	93
46) Methyl methacrylate	9.665	41	93723	20.467	ug/l		89
47) n-amyl Acetate	12.682	43	97962m	19.755	ug/l		
48) t-1,3-Dichloropropene	10.818	75	117305	20.154	ug/l		97
49) cis-1,3-Dichloropropene	10.294	75	127125	20.992	ug/l		98
50) 1,1,2-Trichloroethane	11.000	97	71108	21.273	ug/l		95
51) Ethyl methacrylate	10.853	69	111658	20.303	ug/l		98
52) 1,3-Dichloropropane	11.141	76	126451	20.772	ug/l		99
53) Dibromochloromethane	11.335	129	79516	20.710	ug/l		96
54) 1,2-Dibromoethane	11.447	107	72979	21.013	ug/l		95
55) 2-Chloroethyl vinyl ether	10.141	63	312899	98.771	ug/l		99
56) Bromoform	12.559	173	48796	20.079	ug/l		99
58) 4-Methyl-2-Pentanone	10.424	43	648424	110.058	ug/l		100
59) 2-Hexanone	11.176	43	386409	98.770	ug/l		100
61) Tetrachloroethene	11.082	164	64009	23.833	ug/l		95
62) Toluene	10.606	91	312238	20.887	ug/l		100
64) Chlorobenzene	11.871	112	193737	20.926	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.941	131	67011	21.147	ug/l		98
66) Ethyl Benzene	11.941	91	324486	19.695	ug/l		98
67) m/p-Xylenes	12.053	106	248992	40.413	ug/l		98
68) o-Xylene	12.376	106	115892	19.940	ug/l		95
69) Styrene	12.394	104	194675	19.721	ug/l		98
70) Isopropylbenzene	12.676	105	289858	18.818	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.918	83	98401	19.722	ug/l		98
72) 1,2,3-Trichloropropane	12.970	75	90333m	18.688	ug/l		
73) Bromobenzene	12.959	156	71110	20.449	ug/l		97
74) n-propylbenzene	13.012	91	362943	19.040	ug/l		99
75) 2-Chlorotoluene	13.106	91	221999	19.153	ug/l		99
76) 1,3,5-Trimethylbenzene	13.153	105	242880	18.785	ug/l		100
77) t-1,4-Dichloro-2-butene	12.718	75	32362	19.496	ug/l		88
78) 4-Chlorotoluene	13.200	91	225781	19.222	ug/l		97
79) tert-butylbenzene	13.417	119	199759	18.046	ug/l		99
80) 1,2,4-Trimethylbenzene	13.459	105	247624	19.260	ug/l		99
81) sec-Butylbenzene	13.594	105	291457	18.052	ug/l		98
82) p-Isopropyltoluene	13.706	119	240722	18.043	ug/l		99
83) 1,3-Dichlorobenzene	13.712	146	130768	19.355	ug/l		99
84) 1,4-Dichlorobenzene	13.794	146	134645	19.679	ug/l		98
85) n-Butylbenzene	14.035	91	225064	17.701	ug/l		99
86) Hexachloroethane	14.306	117	44242	17.320	ug/l		98
87) 1,2-Dichlorobenzene	14.088	146	125213	19.635	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	22551	19.229	ug/l		95
89) 1,2,4-Trichlorobenzene	15.811	180	69848	19.518	ug/l		96
90) Hexachlorobutadiene	15.470	225	24460	17.600	ug/l		96
91) Naphthalene	15.617	128	248034	19.156	ug/l		99
92) 1,2,3-Trichlorobenzene	15.811	180	69848	19.518	ug/l		96

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

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