

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
 Data File : VN088354.D
 Acq On : 25 Nov 2025 11:36
 Operator : JC\MD
 Sample : VN1125WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBS01

Quant Time: Nov 26 00:16:57 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

Manual Integrations APPROVED

Reviewed By :John
 Carlone

11/26/2025
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	7.794	128	57156	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	284593	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	251170	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	148623	28.467	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.900%
60) 4-Bromofluorobenzene	12.829	95	121015	28.502	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.000%
63) Toluene-d8	10.547	98	368703	31.006	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.367%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	75739	18.851	ug/l	96
3) Chloromethane	2.389	50	80767	19.497	ug/l	98
4) Vinyl Chloride	2.536	62	80381	18.351	ug/l	98
5) Bromomethane	2.989	94	40425	17.309	ug/l	89
6) Chloroethane	3.142	64	50868	18.788	ug/l	96
7) Trichlorofluoromethane	3.512	101	114158	18.590	ug/l	92
8) Diethyl Ether	3.965	74	43923	19.137	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	61900	19.214	ug/l	79
10) 1,1-Dichloroethene	4.342	96	58729	18.686	ug/l	96
11) Methyl Iodide	4.589	142	57383	17.156	ug/l	90
12) Methyl Acetate	5.012	43	107579	21.217	ug/l	92
13) Acrolein	4.177	56	121857	163.345	ug/l	99
14) Acrylonitrile	5.706	53	226871	98.469	ug/l	98
15) Acetone	4.418	58	51351	76.215	ug/l	94
16) Carbon Disulfide	4.712	76	191112	18.030	ug/l	100
17) Allyl chloride	5.018	41	109271	17.891	ug/l	96
18) Methylene Chloride	5.265	84	74112	18.971	ug/l	98
19) trans-1,2-Dichloroethene	5.771	96	67199	18.361	ug/l	95
20) Diisopropyl ether	6.659	45	255743	19.595	ug/l	91
21) 1,1-Dichloroethane	6.553	63	135317	18.403	ug/l	97
22) cis-1,2-Dichloroethene	7.471	96	80556	18.938	ug/l	95
23) tert-Butyl Alcohol	5.512	59	75029	88.562	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	242048	19.101	ug/l	99
25) Chloroform	7.947	83	139866	19.197	ug/l	100
26) Cyclohexane	8.241	56	117093	18.853	ug/l #	94
29) 1,1-Dichloropropene	8.353	75	91496	19.268	ug/l	98
30) 2-Butanone	7.465	43	296062	96.385	ug/l	98
31) 2,2-Dichloropropane	7.477	77	113468	19.374	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	120481	20.582	ug/l	97
33) Carbon Tetrachloride	8.341	117	101155	20.236	ug/l	92
34) Benzene	8.588	78	287622	20.264	ug/l	96
35) Methacrylonitrile	7.759	41	65796	20.536	ug/l	95
36) 1,2-Dichloroethane	8.653	62	112754	20.412	ug/l	99
37) Trichloroethene	9.329	130	67526	20.993	ug/l	99
38) Methylcyclohexane	9.582	83	102548	18.837	ug/l	99
39) 1,2-Dichloropropane	9.600	63	76729	20.953	ug/l	97
40) Dibromomethane	9.688	93	55518	21.101	ug/l	98
41) Bromodichloromethane	9.865	83	110311	20.827	ug/l	94
42) Vinyl Acetate	6.588	43	1141709	111.364	ug/l	98

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43) Ethyl Acetate	7.547	43	120574	19.509	ug/l	99
44) Isopropyl Acetate	8.671	43	197751	20.762	ug/l	100
45) 1,4-Dioxane	9.682	88	24781	432.052	ug/l	96
46) Methyl methacrylate	9.665	41	92156	20.677	ug/l	92
47) n-amyl Acetate	12.688	43	87523m	18.134	ug/l	
48) t-1,3-Dichloropropene	10.818	75	108515	19.155	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	121530	20.618	ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	67719	20.815	ug/l	97
51) Ethyl methacrylate	10.853	69	107966	20.171	ug/l	98
52) 1,3-Dichloropropane	11.141	76	124545	21.020	ug/l	99
53) Dibromochloromethane	11.335	129	77198	20.658	ug/l	96
54) 1,2-Dibromoethane	11.447	107	69311	20.504	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	313016	101.518	ug/l	99
56) Bromoform	12.559	173	47920	20.259	ug/l	96
58) 4-Methyl-2-Pentanone	10.424	43	645267	113.586	ug/l	99
59) 2-Hexanone	11.176	43	405741	107.560	ug/l	97
61) Tetrachloroethene	11.082	164	67061	25.896	ug/l	91
62) Toluene	10.612	91	299742	20.796	ug/l	98
64) Chlorobenzene	11.871	112	183421	20.547	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.935	131	63859	20.900	ug/l	96
66) Ethyl Benzene	11.941	91	318781	20.067	ug/l	100
67) m/p-Xylenes	12.047	106	238172	40.091	ug/l	97
68) o-Xylene	12.376	106	112340	20.046	ug/l	97
69) Styrene	12.388	104	185873	19.528	ug/l	99
70) Isopropylbenzene	12.676	105	286728	19.306	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	95283	19.806	ug/l	100
72) 1,2,3-Trichloropropane	12.976	75	102042m	21.894	ug/l	
73) Bromobenzene	12.959	156	68337	20.381	ug/l	93
74) n-propylbenzene	13.012	91	364283	19.820	ug/l	100
75) 2-Chlorotoluene	13.106	91	213493	19.102	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	242400	19.444	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	31021	19.382	ug/l	88
78) 4-Chlorotoluene	13.200	91	220146	19.438	ug/l	99
79) tert-butylbenzene	13.412	119	196566	18.416	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	234777	18.938	ug/l	98
81) sec-Butylbenzene	13.594	105	296159	19.024	ug/l	99
82) p-Isopropyltoluene	13.706	119	236561	18.389	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	126300	19.388	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	131856	19.986	ug/l	99
85) n-Butylbenzene	14.035	91	225791	18.417	ug/l	99
86) Hexachloroethane	14.306	117	42647	17.315	ug/l	99
87) 1,2-Dichlorobenzene	14.082	146	122631	19.943	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	21909	19.375	ug/l	96
89) 1,2,4-Trichlorobenzene	15.817	180	68912	19.971	ug/l	98
90) Hexachlorobutadiene	15.470	225	25670	19.156	ug/l	96
91) Naphthalene	15.617	128	242838	19.450	ug/l	99
92) 1,2,3-Trichlorobenzene	15.817	180	68912	19.971	ug/l	98

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

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