

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102725\
 Data File : VT019185.D
 Acq On : 27 Oct 2025 8:48
 Operator : SY/MD
 Sample : VT1027WBSD01
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT1027WBSD01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/30/2025
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 28 05:51:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\624T102225W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 24 06:05:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.019	128	26517	30.000	ug/l	#-0.06
28) 1,4-Difluorobenzene	8.529	114	170930	30.000	ug/l	-0.05
57) Chlorobenzene-d5	11.707	117	136658	30.000	ug/l	-0.05
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.912	65	70875	30.508	ug/l	-0.06
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.700%			
60) 4-Bromofluorobenzene	12.841	95	63765	29.689	ug/l	-0.05
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.967%			
63) Toluene-d8	10.209	98	201629	30.313	ug/l	-0.05
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.033%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.866	85	15323	21.056	ug/l	98
3) Chloromethane	2.060	50	32019m	19.168	ug/l	
4) Vinyl Chloride	2.177	62	31443	16.842	ug/l	98
5) Bromomethane	2.530	94	26275	16.947	ug/l	94
6) Chloroethane	2.659	64	28593	17.366	ug/l	95
7) Trichlorofluoromethane	2.965	101	59301	19.587	ug/l	94
8) Diethyl Ether	3.317	74	32567	17.471	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.646	101	33939	28.552	ug/l	98
10) 1,1-Dichloroethene	3.623	96	32203	27.044	ug/l	99
11) Methyl Iodide	3.828	142	22240	19.166	ug/l #	10
12) Methyl Acetate	4.175	43	97805	20.771	ug/l	96
13) Acrolein	3.505	56	14218	89.528	ug/l	100
14) Acrylonitrile	4.792	53	132457	91.262	ug/l	99
15) Acetone	3.693	58	54189	104.793	ug/l	92
16) Carbon Disulfide	3.922	76	42934	19.305	ug/l	97
17) Allyl chloride	4.169	41	57555	20.333	ug/l	92
18) Methylene Chloride	4.387	84	32532	18.318	ug/l	98
19) trans-1,2-Dichloroethene	6.637	96	35273	19.253	ug/l	98
20) Diisopropyl ether	5.750	45	137481	19.080	ug/l #	66
21) 1,1-Dichloroethane	5.638	63	63898	18.978	ug/l	99
22) cis-1,2-Dichloroethene	6.637	96	35273	19.253	ug/l	95
23) tert-Butyl Alcohol	4.610	59	57556	90.516	ug/l #	100
24) Methyl tert-Butyl Ether	4.851	73	133977	18.724	ug/l	97
25) Chloroform	7.207	83	60038	19.494	ug/l	99
26) Cyclohexane	7.506	56	41565	21.037	ug/l #	99
29) 1,1-Dichloropropene	7.659	75	35633	19.922	ug/l	96
30) 2-Butanone	6.643	43	195039m	88.468	ug/l	
31) 2,2-Dichloropropane	6.631	77	52667	20.112	ug/l	95
32) 1,1,1-Trichloroethane	7.418	97	45828m	20.337	ug/l	
33) Carbon Tetrachloride	7.636	117	32090m	22.226	ug/l	
34) Benzene	7.929	78	123960	18.707	ug/l #	81
35) Methacrylonitrile	6.995	41	34376	18.319	ug/l	97
36) 1,2-Dichloroethane	8.018	62	45873	18.674	ug/l	100
37) Trichloroethene	8.799	130	24439	20.047	ug/l	100
38) Methylcyclohexane	9.069	83	38257	21.240	ug/l	97
39) 1,2-Dichloropropane	9.110	63	31602m	18.209	ug/l	
40) Dibromomethane	9.216	93	19384	18.114	ug/l #	73
41) Bromodichloromethane	10.744	83	26372m	19.186	ug/l	
42) Vinyl Acetate	5.685	43	488352	90.285	ug/l	99

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43) Ethyl Acetate	6.737	43	61824	17.059	ug/l	97
44) Isopropyl Acetate	8.070	43	104995	18.408	ug/l	97
45) 1,4-Dioxane	9.210	88	17453m	352.713	ug/l	
46) Methyl methacrylate	9.210	41	46864	18.376	ug/l	88
47) n-amyl Acetate	12.454	43	69024	17.983	ug/l	98
48) t-1,3-Dichloropropene	10.538	75	47041	18.861	ug/l	99
49) cis-1,3-Dichloropropene	9.921	75	48745	18.605	ug/l	97
50) 1,1,2-Trichloroethane	10.744	97	29485	18.733	ug/l	91
51) Ethyl methacrylate	10.591	69	54360	18.430	ug/l	93
52) 1,3-Dichloropropane	10.908	76	51074	18.168	ug/l	98
53) Dibromochloromethane	11.132	129	28786	19.606	ug/l #	1
54) 1,2-Dibromoethane	11.249	107	26814	18.317	ug/l	100
55) 2-Chloroethyl vinyl ether	9.763	63	74975	87.152	ug/l	99
56) Bromoform	12.530	173	19728	20.440	ug/l #	24
58) 4-Methyl-2-Pentanone	10.086	43	307230	91.802	ug/l	99
59) 2-Hexanone	10.086	43	307230	91.802	ug/l #	82
61) Tetrachloroethene	10.820	164	18086	20.938	ug/l	96
62) Toluene	10.280	91	119206	19.475	ug/l	100
64) Chlorobenzene	11.731	112	72451	19.378	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.819	131	24885	20.433	ug/l	91
66) Ethyl Benzene	11.825	91	132241	19.879	ug/l	100
67) m/p-Xylenes	11.948	106	97588	39.463	ug/l	98
68) o-Xylene	12.319	106	48252	18.904	ug/l	100
69) Styrene	12.336	104	87338	19.058	ug/l	97
70) Isopropylbenzene	12.665	105	130540	20.850	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.953	83	46894	19.089	ug/l	98
72) 1,2,3-Trichloropropane	13.012	75	38609m	21.292	ug/l	
73) Bromobenzene	12.982	156	28822	19.576	ug/l	67
74) n-propylbenzene	13.053	91	156499m	20.729	ug/l	
75) 2-Chlorotoluene	13.259	91	91896	19.883	ug/l	98
76) 1,3,5-Trimethylbenzene	13.212	105	107381	20.905	ug/l	97
77) t-1,4-Dichloro-2-butene	12.724	75	16547	18.780	ug/l	83
78) 4-Chlorotoluene	13.147	91	90161	19.776	ug/l	92
79) tert-butylbenzene	13.511	119	96641	21.184	ug/l	96
80) 1,2,4-Trimethylbenzene	13.564	105	106986	19.963	ug/l	99
81) sec-Butylbenzene	13.711	105	141059	21.459	ug/l	99
82) p-Isopropyltoluene	13.840	119	117025	21.400	ug/l	97
83) 1,3-Dichlorobenzene	13.840	146	57480m	19.907	ug/l	
84) 1,4-Dichlorobenzene	13.934	146	58702	20.193	ug/l	98
85) n-Butylbenzene	14.216	91	107239	21.427	ug/l	98
86) Hexachloroethane	14.522	117	18446	25.170	ug/l #	1
87) 1,2-Dichlorobenzene	14.269	146	57995	20.106	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.968	75	10808	20.026	ug/l	94
89) 1,2,4-Trichlorobenzene	15.750	180	36187	20.608	ug/l	97
90) Hexachlorobutadiene	15.867	225	13971	23.996	ug/l	82
91) Naphthalene	16.044	128	130929	19.291	ug/l	98
92) 1,2,3-Trichlorobenzene	16.273	180	36931	20.836	ug/l	98

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

