

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110525\
 Data File : VU063674.D
 Acq On : 05 Nov 2025 16:01
 Operator : MD/SY
 Sample : Q3530-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2025

Quant Time: Nov 06 04:40:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U103125DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Nov 03 00:51:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025

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

Internal Standards						
1) Fluorobenzene	6.081	96	65297	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	27403	0.928	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	25135	0.949	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.374	85	10435	0.425	ug/l	95
3) Chloromethane	1.509	50	10418	0.451	ug/l	98
4) Vinyl Chloride	1.589	62	10390	0.442	ug/l	92
5) Bromomethane	1.840	94	7929	0.558	ug/l	96
6) Chloroethane	1.914	64	6339	0.439	ug/l	90
7) Trichlorofluoromethane	2.120	101	16140	0.472	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.557	101	8700	0.479	ug/l	97
9) 1,1-Dichloroethene	2.557	96	8087	0.459	ug/l	96
10) Iodomethane	2.698	142	9244	0.354	ug/l	98
11) Allyl Chloride	2.898	41	11494	0.418	ug/l	93
12) Acrylonitrile	3.293	53	4072	0.935	ug/l	# 88
13) Acetone	2.605	43	18492	2.404	ug/l	100
14) Carbon Disulfide	2.766	76	20054	0.404	ug/l	96
15) Methylene Chloride	3.013	84	13454	0.595	ug/l	96
16) trans-1,2-Dichloroethene	3.322	96	9522	0.490	ug/l	91
17) 1,1-Dichloroethane	3.830	63	18175	0.473	ug/l	97
18) 2-Butanone	4.692	43	17923	2.197	ug/l	99
19) Cyclohexane	5.345	56	12382	0.421	ug/l	93
20) Methylcyclohexane	6.724	83	16333	0.446	ug/l	94
21) 2,2-Dichloropropane	4.624	77	14841	0.430	ug/l	92
22) cis-1,2-Dichloroethene	4.631	96	10421	0.471	ug/l	97
23) Diethyl Ether	2.358	59	6220	0.431	ug/l	93
24) tert-Butyl Alcohol	3.165	59	10082	4.055	ug/l	# 87
25) Methyl tert-Butyl Ether	3.341	73	24147	0.468	ug/l	99
26) Bromochloromethane	4.946	128	4718	0.506	ug/l	87
27) Chloroform	5.058	83	19120	0.486	ug/l	97
28) 1,1,1-Trichloroethane	5.280	97	16426	0.473	ug/l	94
29) 1,1-Dichloropropene	5.489	75	13995	0.480	ug/l	99
30) Carbon Tetrachloride	5.489	117	11933	0.434	ug/l	# 90
31) Isopropyl Ether	3.972	45	27713	0.455	ug/l	97
32) Ethyl-t-butyl ether	4.480	59	26993	0.460	ug/l	99
33) Tert-Amyl methyl ether	5.927	73	23800	0.466	ug/l	98
34) Propionitrile	4.759	54	3405	2.136	ug/l	# 68
35) Benzene	5.740	78	36990	0.451	ug/l	94
36) 1,2-Dichloroethane	5.763	62	11705	0.444	ug/l	# 92
37) Trichloroethene	6.512	130	10503	0.449	ug/l	89
38) 1,2-Dichloropropane	6.766	63	11156	0.485	ug/l	94
39) Methacrylonitrile	4.952	41	3230	0.407	ug/l	# 76
40) Methyl acrylate	4.827	55	4751	0.412	ug/l	# 91
41) Tetrahydrofuran	5.042	42	3656	1.024	ug/l	# 84
42) 1-Chlorobutane	5.425	56	17413	0.446	ug/l	93
43) Dibromomethane	6.894	93	5293	0.445	ug/l	95
44) Bromodichloromethane	7.078	83	11777	0.405	ug/l	95

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Quant Time: Nov 06 04:40:01 2025
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Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	31549	2.201	ug/l	100
46) t-1,4-Dichloro-2-butene	10.811	75	3388m	0.681	ug/l	
47) Methyl methacrylate	6.946	69	9836	0.899	ug/l	99
48) Ethyl methacrylate	8.322	69	9416	0.423	ug/l	99
49) Toluene	7.946	92	25343	0.458	ug/l	99
50) t-1,3-Dichloropropene	8.190	75	9603	0.380	ug/l	96
51) cis-1,3-Dichloropropene	7.582	75	12574	0.398	ug/l	100
52) 1,1,2-Trichloroethane	8.377	97	7350	0.455	ug/l	95
53) 1,3-Dichloropropane	8.553	76	12670	0.439	ug/l	96
54) 2-Hexanone	8.679	43	26080	2.155	ug/l	87
55) Dibromochloromethane	8.785	129	7215	0.379	ug/l	97
56) 1,2-Dibromoethane	8.904	107	6303	0.410	ug/l	93
58) Tetrachloroethene	8.528	164	10639	0.465	ug/l	90
59) Chlorobenzene	9.425	112	28039	0.467	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.505	131	8313	0.395	ug/l	99
61) Pentachloroethane	11.402	117	6076	0.417	ug/l	90
62) Hexachloroethane	12.450	117	5136	0.321	ug/l	100
63) Ethyl Benzene	9.547	91	46618	0.429	ug/l	100
64) m/p-Xylenes	9.672	106	34754	0.856	ug/l	98
65) o-Xylene	10.077	106	17009	0.427	ug/l	94
66) Styrene	10.094	104	27267	0.422	ug/l	99
67) Bromoform	10.264	173	3376	0.329	ug/l #	89
69) Isopropylbenzene	10.460	105	44060	0.448	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.759	83	9476	0.467	ug/l	97
71) 1,2,3-Trichloropropane	10.801	75	8147m	0.461	ug/l	
72) Bromobenzene	10.759	156	11002	0.463	ug/l	84
73) n-propylbenzene	10.885	120	11546	0.414	ug/l	90
74) 2-Chlorotoluene	10.962	126	10595	0.438	ug/l	98
75) 1,3,5-Trimethylbenzene	11.065	105	39947	0.440	ug/l	97
76) 4-Chlorotoluene	11.074	126	10289	0.423	ug/l	95
77) tert-Butylbenzene	11.396	119	38660	0.434	ug/l	98
78) 1,2,4-Trimethylbenzene	11.444	105	37405	0.429	ug/l	99
79) sec-Butylbenzene	11.618	105	50509	0.431	ug/l	99
80) Nitrobenzene	13.190	77	1211m	1.696	ug/l	
81) p-Isopropyltoluene	11.769	119	40887	0.426	ug/l	96
82) 1,3-Dichlorobenzene	11.724	146	21284	0.462	ug/l	99
83) 1,4-Dichlorobenzene	11.814	146	21568	0.472	ug/l	98
84) n-Butylbenzene	12.187	91	39143	0.455	ug/l	98
85) 1,2-Dichlorobenzene	12.190	146	20286	0.466	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.971	75	1142	0.340	ug/l	97
87) 1,2,4-Trichlorobenzene	13.817	180	13634	0.508	ug/l	98
88) Hexachlorobutadiene	13.997	225	7229	0.453	ug/l	94
89) Naphthalene	14.068	128	27886	0.540	ug/l	99
90) 1,2,3-Trichlorobenzene	14.306	180	13033	0.532	ug/l	99

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

