

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110725\
 Data File : VU063686.D
 Acq On : 07 Nov 2025 14:58
 Operator : MD/SY
 Sample : Q3530-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Nov 08 02:35:45 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

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

Internal Standards						
1) Fluorobenzene	6.081	96	54276	1.000	ug/l	# 0.00
11/12/2025 Supervised By :Mahesh Badoda						
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.611	95	23018	0.937	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
68) 1,2-Dichlorobenzene-d4	12.171	152	21659	0.984	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
11/12/2025						
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.374	85	18178	0.890	ug/l	97
3) Chloromethane	1.509	50	18090	0.942	ug/l	99
4) Vinyl Chloride	1.589	62	18691	0.957	ug/l	94
5) Bromomethane	1.840	94	13213	1.119	ug/l	99
6) Chloroethane	1.917	64	12636	1.054	ug/l	99
7) Trichlorofluoromethane	2.120	101	27890	0.982	ug/l	94
8) 1,1,2-Trichloro-1,2,2-...	2.557	101	15035	0.995	ug/l	98
9) 1,1-Dichloroethene	2.557	96	14610	0.998	ug/l	96
10) Iodomethane	2.695	142	15263	0.702	ug/l	98
11) Allyl Chloride	2.898	41	21677	0.949	ug/l	93
12) Acrylonitrile	3.290	53	6438	1.778	ug/l	89
13) Acetone	2.605	43	25561	3.998	ug/l	92
14) Carbon Disulfide	2.766	76	33258	0.807	ug/l	96
15) Methylene Chloride	3.017	84	19971	1.062	ug/l	98
16) trans-1,2-Dichloroethene	3.319	96	16701	1.035	ug/l	98
17) 1,1-Dichloroethane	3.830	63	31704	0.992	ug/l	99
18) 2-Butanone	4.695	43	27531	4.059	ug/l	92
19) Cyclohexane	5.341	56	24152	0.989	ug/l	98
20) Methylcyclohexane	6.724	83	28036	0.922	ug/l	98
21) 2,2-Dichloropropane	4.624	77	24974	0.871	ug/l	92
22) cis-1,2-Dichloroethene	4.631	96	19403	1.056	ug/l	98
23) Diethyl Ether	2.361	59	12573	1.049	ug/l	95
24) tert-Butyl Alcohol	3.177	59	18274	8.841	ug/l	98
25) Methyl tert-Butyl Ether	3.345	73	42424	0.989	ug/l	95
26) Bromochloromethane	4.939	128	8042	1.038	ug/l	93
27) Chloroform	5.052	83	33527	1.025	ug/l	96
28) 1,1,1-Trichloroethane	5.277	97	28197	0.978	ug/l	99
29) 1,1-Dichloropropene	5.486	75	23747	0.981	ug/l	96
30) Carbon Tetrachloride	5.480	117	20894	0.915	ug/l	97
31) Isopropyl Ether	3.972	45	51414	1.015	ug/l	99
32) Ethyl-t-butyl ether	4.483	59	48445	0.993	ug/l	98
33) Tert-Amyl methyl ether	5.926	73	42464	1.000	ug/l	96
34) Propionitrile	4.759	54	6490	4.897	ug/l	# 85
35) Benzene	5.737	78	72416	1.061	ug/l	99
36) 1,2-Dichloroethane	5.766	62	22427	1.023	ug/l	98
37) Trichloroethene	6.512	130	20315	1.044	ug/l	89
38) 1,2-Dichloropropane	6.766	63	18359	0.961	ug/l	95
39) Methacrylonitrile	4.949	41	6726	1.020	ug/l	# 84
40) Methyl acrylate	4.827	55	9138	0.954	ug/l	# 68
41) Tetrahydrofuran	5.042	42	6214	2.093	ug/l	96
42) 1-Chlorobutane	5.422	56	31690	0.977	ug/l	95
43) Dibromomethane	6.894	93	9550	0.967	ug/l	98
44) Bromodichloromethane	7.081	83	19898	0.824	ug/l	96

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Nov 03 00:51:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	51147	4.293	ug/l	99
46) t-1,4-Dichloro-2-butene	10.804	75	7387m	1.787	ug/l	99
47) Methyl methacrylate	6.949	69	16941	1.863	ug/l	96
48) Ethyl methacrylate	8.322	69	15576	0.842	ug/l	94
49) Toluene	7.942	92	43390	0.943	ug/l	100
50) t-1,3-Dichloropropene	8.190	75	15027	0.716	ug/l	91
51) cis-1,3-Dichloropropene	7.586	75	21016	0.800	ug/l	95
52) 1,1,2-Trichloroethane	8.377	97	13096	0.975	ug/l	94
53) 1,3-Dichloropropane	8.553	76	22675	0.945	ug/l	94
54) 2-Hexanone	8.679	43	37532	3.731	ug/l	99
55) Dibromochloromethane	8.785	129	12018	0.760	ug/l	98
56) 1,2-Dibromoethane	8.901	107	11886	0.930	ug/l	100
58) Tetrachloroethene	8.524	164	19376	1.018	ug/l	94
59) Chlorobenzene	9.425	112	48057	0.963	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.508	131	14675	0.840	ug/l	98
61) Pentachloroethane	11.399	117	9607	0.792	ug/l	94
62) Hexachloroethane	12.447	117	8583	0.646	ug/l	100
63) Ethyl Benzene	9.547	91	84289	0.932	ug/l	99
64) m/p-Xylenes	9.669	106	61707	1.828	ug/l	98
65) o-Xylene	10.077	106	31558	0.954	ug/l	97
66) Styrene	10.094	104	49777	0.928	ug/l	99
67) Bromoform	10.267	173	5813	0.681	ug/l	94
69) Isopropylbenzene	10.460	105	76591	0.938	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.759	83	15785	0.936	ug/l	98
71) 1,2,3-Trichloropropane	10.801	75	12493m	0.851	ug/l	94
72) Bromobenzene	10.762	156	18890	0.956	ug/l	84
73) n-propylbenzene	10.884	120	21207	0.914	ug/l	100
74) 2-Chlorotoluene	10.962	126	19070	0.948	ug/l	94
75) 1,3,5-Trimethylbenzene	11.065	105	69250	0.917	ug/l	99
76) 4-Chlorotoluene	11.074	126	19976	0.989	ug/l	87
77) tert-Butylbenzene	11.393	119	67486	0.912	ug/l	96
78) 1,2,4-Trimethylbenzene	11.444	105	65550	0.904	ug/l	98
79) sec-Butylbenzene	11.618	105	90206	0.927	ug/l	100
80) Nitrobenzene	13.196	77	1442m	2.430	ug/l	98
81) p-Isopropyltoluene	11.769	119	72097	0.905	ug/l	98
82) 1,3-Dichlorobenzene	11.724	146	37306	0.975	ug/l	98
83) 1,4-Dichlorobenzene	11.814	146	40016	1.053	ug/l	98
84) n-Butylbenzene	12.187	91	64753	0.906	ug/l	99
85) 1,2-Dichlorobenzene	12.190	146	35888	0.992	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.971	75	2045	0.731	ug/l	92
87) 1,2,4-Trichlorobenzene	13.817	180	21291	0.955	ug/l	96
88) Hexachlorobutadiene	13.994	225	13201	0.995	ug/l	96
89) Naphthalene	14.068	128	39583	0.923	ug/l	99
90) 1,2,3-Trichlorobenzene	14.306	180	19679	0.966	ug/l	99

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

