

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071725\
 Data File : VU063521.D
 Acq On : 17 Jul 2025 12:43
 Operator : MD/SY
 Sample : VU0717WBS01
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0717WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/18/2025
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 04:10:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071625DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jul 17 03:49:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.097	96	21864	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.628	95	8236	0.995	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	7166	0.936	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.381	85	12281	1.905	ug/l	98
3) Chloromethane	1.519	50	12925	2.157	ug/l	98
4) Vinyl Chloride	1.599	62	15376	2.015	ug/l	100
5) Bromomethane	1.847	94	13111	2.278	ug/l	94
6) Chloroethane	1.927	64	9342	2.027	ug/l	100
7) Trichlorofluoromethane	2.130	101	22634	2.065	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	11730	2.048	ug/l	99
9) 1,1-Dichloroethene	2.567	96	11724	2.065	ug/l	97
10) Iodomethane	2.708	142	8006	1.773	ug/l	97
11) Allyl Chloride	2.908	41	16576	2.021	ug/l	98
12) Acrylonitrile	3.306	53	5711	4.023	ug/l	98
13) Acetone	2.622	43	14599	12.835	ug/l	98
14) Carbon Disulfide	2.779	76	33865	1.847	ug/l	98
15) Methylene Chloride	3.030	84	15114	2.262	ug/l	97
16) trans-1,2-Dichloroethene	3.335	96	12801	1.986	ug/l	96
17) 1,1-Dichloroethane	3.850	63	24869	2.081	ug/l	99
18) 2-Butanone	4.718	43	19663	11.163	ug/l	95
19) Cyclohexane	5.358	56	20801	2.056	ug/l	99
20) Methylcyclohexane	6.740	83	17274	1.757	ug/l	98
21) 2,2-Dichloropropane	4.641	77	20379	2.003	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	14565	2.082	ug/l	99
23) Diethyl Ether	2.371	59	9050	2.092	ug/l	96
24) tert-Butyl Alcohol	3.197	59	10601	20.303	ug/l	100
25) Methyl tert-Butyl Ether	3.361	73	31377	2.117	ug/l	99
26) Bromochloromethane	4.956	128	6000	2.054	ug/l	93
27) Chloroform	5.072	83	25113	2.060	ug/l	99
28) 1,1,1-Trichloroethane	5.294	97	20838	2.014	ug/l	99
29) 1,1-Dichloropropene	5.506	75	20417	2.130	ug/l	97
30) Carbon Tetrachloride	5.499	117	16009	1.922	ug/l	95
31) Isopropyl Ether	3.995	45	38467	2.133	ug/l	97
32) Ethyl-t-butyl ether	4.506	59	35330	2.117	ug/l	98
33) Tert-Amyl methyl ether	5.943	73	30771	2.124	ug/l	99
34) Propionitrile	4.782	54	5569	10.376	ug/l #	92
35) Benzene	5.753	78	55862	2.169	ug/l	94
36) 1,2-Dichloroethane	5.779	62	17638	2.204	ug/l	100
37) Trichloroethene	6.525	130	11954	1.819	ug/l	99
38) 1,2-Dichloropropane	6.779	63	11421	1.895	ug/l	99
39) Methacrylonitrile	4.972	41	4514	1.892	ug/l	95
40) Methyl acrylate	4.850	55	6649	1.907	ug/l #	97
41) Tetrahydrofuran	5.062	42	5866	4.674	ug/l	90
42) 1-Chlorobutane	5.438	56	26277	2.062	ug/l	96
43) Dibromomethane	6.908	93	5740	1.838	ug/l	96
44) Bromodichloromethane	7.097	83	12690	1.802	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	31264	9.714	ug/l	99
46) t-1,4-Dichloro-2-butene	10.824	75	4116m	3.407	ug/l	
47) Methyl methacrylate	6.969	69	9287	3.541	ug/l	92
48) Ethyl methacrylate	8.338	69	9397	1.877	ug/l	96
49) Toluene	7.962	92	26503	1.885	ug/l	97
50) t-1,3-Dichloropropene	8.207	75	9090	1.645	ug/l	98
51) cis-1,3-Dichloropropene	7.602	75	12550	1.692	ug/l	96
52) 1,1,2-Trichloroethane	8.393	97	8229	1.957	ug/l	95
53) 1,3-Dichloropropane	8.570	76	14200	1.956	ug/l	99
54) 2-Hexanone	8.692	43	21798	10.196	ug/l	99
55) Dibromochloromethane	8.801	129	7818	1.760	ug/l	100
56) 1,2-Dibromoethane	8.917	107	7165	1.904	ug/l	100
58) Tetrachloroethene	8.541	164	11402	1.896	ug/l	98
59) Chlorobenzene	9.441	112	30941	1.916	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.525	131	8917	1.717	ug/l	92
61) Pentachloroethane	11.419	117	6375	1.737	ug/l	88
62) Hexachloroethane	12.467	117	5976	1.644	ug/l	99
63) Ethyl Benzene	9.563	91	53621	1.929	ug/l	99
64) m/p-Xylenes	9.686	106	40731	3.770	ug/l	98
65) o-Xylene	10.094	106	20319	1.957	ug/l	97
66) Styrene	10.110	104	31561	1.908	ug/l	98
67) Bromoform	10.284	173	3644	1.597	ug/l	99
69) Isopropylbenzene	10.477	105	48988	1.952	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.776	83	9968	1.948	ug/l	98
71) 1,2,3-Trichloropropane	10.814	75	7776m	1.871	ug/l	
72) Bromobenzene	10.776	156	12098	1.868	ug/l	92
73) n-propylbenzene	10.898	120	14781	1.956	ug/l	93
74) 2-Chlorotoluene	10.978	126	13064	1.957	ug/l	91
75) 1,3,5-Trimethylbenzene	11.081	105	46460	1.938	ug/l	100
76) 4-Chlorotoluene	11.091	126	13377	1.973	ug/l	97
77) tert-Butylbenzene	11.412	119	43549	1.901	ug/l	96
78) 1,2,4-Trimethylbenzene	11.460	105	46303	1.947	ug/l	96
79) sec-Butylbenzene	11.634	105	61626	1.994	ug/l	98
80) Nitrobenzene	13.219	77	968m	11.740	ug/l	
81) p-Isopropyltoluene	11.785	119	50943	1.975	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	24826	1.916	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	25218	1.944	ug/l	98
84) n-Butylbenzene	12.203	91	48117	2.011	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	23502	1.930	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.988	75	1114	1.706	ug/l	94
87) 1,2,4-Trichlorobenzene	13.837	180	14007	1.850	ug/l	98
88) Hexachlorobutadiene	14.013	225	8260	1.921	ug/l	97
89) Naphthalene	14.087	128	24449	1.802	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	12843	1.836	ug/l	97

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

