

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071825\
 Data File : VU063532.D
 Acq On : 18 Jul 2025 09:11
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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

Quant Time: Jul 18 23:43:58 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	22137	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	9400	1.121	ug/l	0.00
Spiked Amount 1.000			Recovery	=	112.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	8443	1.089	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	63177	9.679	ug/l	99
3) Chloromethane	1.518	50	59882	9.869	ug/l	99
4) Vinyl Chloride	1.596	62	75063	9.713	ug/l	99
5) Bromomethane	1.843	94	56979	9.778	ug/l	99
6) Chloroethane	1.924	64	46809	10.032	ug/l	100
7) Trichlorofluoromethane	2.126	101	112398	10.130	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	59594	10.278	ug/l	99
9) 1,1-Dichloroethene	2.567	96	57624	10.027	ug/l	99
10) Iodomethane	2.708	142	73635	8.700	ug/l	99
11) Allyl Chloride	2.907	41	83570	10.065	ug/l	99
12) Acrylonitrile	3.303	53	29248	20.347	ug/l	98
13) Acetone	2.615	43	99900	86.744	ug/l	99
14) Carbon Disulfide	2.779	76	165060	8.892	ug/l	99
15) Methylene Chloride	3.026	84	67208	9.932	ug/l	99
16) trans-1,2-Dichloroethene	3.335	96	64633	9.902	ug/l	98
17) 1,1-Dichloroethane	3.850	63	122501	10.126	ug/l	99
18) 2-Butanone	4.708	43	119694	67.111	ug/l	100
19) Cyclohexane	5.361	56	102519	10.008	ug/l	99
20) Methylcyclohexane	6.743	83	90134	9.053	ug/l	97
21) 2,2-Dichloropropane	4.644	77	102934	9.992	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	71370	10.076	ug/l	98
23) Diethyl Ether	2.367	59	45906	10.482	ug/l	99
24) tert-Butyl Alcohol	3.184	59	52532	99.368	ug/l	99
25) Methyl tert-Butyl Ether	3.358	73	155262	10.348	ug/l	100
26) Bromochloromethane	4.952	128	30399	10.279	ug/l	93
27) Chloroform	5.071	83	127644	10.340	ug/l	99
28) 1,1,1-Trichloroethane	5.293	97	107685	10.278	ug/l	100
29) 1,1-Dichloropropene	5.502	75	97809	10.077	ug/l	98
30) Carbon Tetrachloride	5.499	117	86562	10.264	ug/l	96
31) Isopropyl Ether	3.988	45	182312	9.983	ug/l	96
32) Ethyl-t-butyl ether	4.499	59	170978	10.117	ug/l	100
33) Tert-Amyl methyl ether	5.939	73	149469	10.191	ug/l	99
34) Propionitrile	4.772	54	26069	47.974	ug/l	97
35) Benzene	5.753	78	275788	10.575	ug/l	100
36) 1,2-Dichloroethane	5.779	62	86224	10.641	ug/l	99
37) Trichloroethene	6.525	130	59552	8.950	ug/l	96
38) 1,2-Dichloropropane	6.779	63	59104	9.683	ug/l	99
39) Methacrylonitrile	4.968	41	22645	9.375	ug/l	98
40) Methyl acrylate	4.843	55	34325	9.721	ug/l	98
41) Tetrahydrofuran	5.055	42	23866	18.783	ug/l	98
42) 1-Chlorobutane	5.438	56	133351	10.334	ug/l	100
43) Dibromomethane	6.904	93	31338	9.911	ug/l	95
44) Bromodichloromethane	7.094	83	69921	9.806	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	170568	52.342	ug/l	100
46) t-1,4-Dichloro-2-butene	10.820	75	24249m	19.823	ug/l	
47) Methyl methacrylate	6.962	69	54529	20.535	ug/l	97
48) Ethyl methacrylate	8.332	69	53751	10.607	ug/l	97
49) Toluene	7.959	92	145734	10.235	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	57571	10.291	ug/l	98
51) cis-1,3-Dichloropropene	7.599	75	75837	10.099	ug/l	98
52) 1,1,2-Trichloroethane	8.393	97	43960	10.327	ug/l	98
53) 1,3-Dichloropropane	8.566	76	75937	10.333	ug/l	99
54) 2-Hexanone	8.685	43	132800	61.353	ug/l	97
55) Dibromochloromethane	8.801	129	46798	10.403	ug/l	99
56) 1,2-Dibromoethane	8.917	107	39027	10.244	ug/l	99
58) Tetrachloroethene	8.541	164	58247	9.565	ug/l	97
59) Chlorobenzene	9.438	112	167611	10.249	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.525	131	52907	10.060	ug/l	98
61) Pentachloroethane	11.418	117	40119	10.796	ug/l	96
62) Hexachloroethane	12.467	117	39030	10.606	ug/l	99
63) Ethyl Benzene	9.560	91	289339	10.281	ug/l	100
64) m/p-Xylenes	9.685	106	228441	20.884	ug/l	98
65) o-Xylene	10.090	106	111689	10.626	ug/l	99
66) Styrene	10.107	104	182214	10.877	ug/l	99
67) Bromoform	10.283	173	22764	9.853	ug/l	99
69) Isopropylbenzene	10.476	105	271215	10.673	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	55200	10.657	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	42901m	10.198	ug/l	
72) Bromobenzene	10.775	156	67162	10.241	ug/l	95
73) n-propylbenzene	10.898	120	83463	10.911	ug/l	99
74) 2-Chlorotoluene	10.978	126	71241	10.538	ug/l	99
75) 1,3,5-Trimethylbenzene	11.078	105	263117	10.839	ug/l	100
76) 4-Chlorotoluene	11.090	126	74500	10.851	ug/l	99
77) tert-Butylbenzene	11.412	119	248774	10.723	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	262116	10.884	ug/l	100
79) sec-Butylbenzene	11.634	105	341350	10.911	ug/l	99
80) Nitrobenzene	13.203	77	4689	42.376	ug/l	97
81) p-Isopropyltoluene	11.785	119	287611	11.013	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	140019	10.671	ug/l	99
83) 1,4-Dichlorobenzene	11.827	146	141444	10.769	ug/l	98
84) n-Butylbenzene	12.200	91	276678	11.423	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	133976	10.868	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	8081	9.368	ug/l	97
87) 1,2,4-Trichlorobenzene	13.833	180	82660	10.783	ug/l	100
88) Hexachlorobutadiene	14.013	225	45081	10.355	ug/l	99
89) Naphthalene	14.081	128	150983	10.991	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	76164	10.751	ug/l	99

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

