

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062325\
 Data File : VU063421.D
 Acq On : 23 Jun 2025 10:34
 Operator : MD/SY
 Sample : VSTDICC001
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
 Supervised By :Semsettin Yesilyurt 06/25/2025

Quant Time: Jun 24 04:39:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jun 24 03:53:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.107	96	50621	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	17242	0.928	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	18573	0.995	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	19305	0.993	ug/l	100
3) Chloromethane	1.518	50	25882	1.010	ug/l	98
4) Vinyl Chloride	1.599	62	21340	0.973	ug/l	96
5) Bromomethane	1.850	94	10698	1.018	ug/l	95
6) Chloroethane	1.927	64	13329	1.026	ug/l	96
7) Trichlorofluoromethane	2.129	101	23621	0.944	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	12977	0.974	ug/l	99
9) 1,1-Dichloroethene	2.570	96	13771	1.036	ug/l	96
10) Iodomethane	2.711	142	8204	0.765	ug/l	97
11) Allyl Chloride	2.911	41	23179	0.979	ug/l	99
12) Acrylonitrile	3.309	53	6950m	1.810	ug/l	
13) Acetone	2.621	43	14352	3.388	ug/l	97
14) Carbon Disulfide	2.779	76	46154	0.996	ug/l	98
15) Methylene Chloride	3.030	84	16433	0.975	ug/l	98
16) trans-1,2-Dichloroethene	3.338	96	15049	1.006	ug/l	95
17) 1,1-Dichloroethane	3.850	63	30350	0.966	ug/l	98
18) 2-Butanone	4.721	43	20847	3.890	ug/l	97
19) Cyclohexane	5.364	56	21333	0.898	ug/l	95
20) Methylcyclohexane	6.747	83	18882m	0.860	ug/l	
21) 2,2-Dichloropropane	4.647	77	21970	0.984	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	16188	0.992	ug/l	96
23) Diethyl Ether	2.371	59	10925	0.911	ug/l	91
24) tert-Butyl Alcohol	3.197	59	11089	8.777	ug/l	96
25) Methyl tert-Butyl Ether	3.364	73	34747	0.961	ug/l	100
26) Bromochloromethane	4.962	128	6202	0.976	ug/l	96
27) Chloroform	5.071	83	29297	0.995	ug/l	97
28) 1,1,1-Trichloroethane	5.300	97	23844	0.999	ug/l	99
29) 1,1-Dichloropropene	5.512	75	20379	0.935	ug/l	98
30) Carbon Tetrachloride	5.502	117	18574	0.974	ug/l	98
31) Isopropyl Ether	3.991	45	46937	0.951	ug/l	92
32) Ethyl-t-butyl ether	4.505	59	39664m	0.954	ug/l	
33) Tert-Amyl methyl ether	5.943	73	26233m	0.883	ug/l	
34) Propionitrile	4.776	54	7198	4.643	ug/l	# 92
35) Benzene	5.763	78	62845	0.953	ug/l	97
36) 1,2-Dichloroethane	5.788	62	18585	0.964	ug/l	99
37) Trichloroethene	6.531	130	15019	0.964	ug/l	94
38) 1,2-Dichloropropane	6.785	63	17241	0.946	ug/l	100
39) Methacrylonitrile	4.975	41	5952	0.923	ug/l	95
40) Methyl acrylate	4.850	55	7532	0.830	ug/l	100
41) Tetrahydrofuran	5.065	42	6490	1.870	ug/l	93
42) 1-Chlorobutane	5.441	56	29010m	0.938	ug/l	
43) Dibromomethane	6.911	93	7800	0.917	ug/l	98
44) Bromodichloromethane	7.100	83	19937	0.962	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	37282	4.081	ug/l	92
46) t-1,4-Dichloro-2-butene	10.827	75	5819m	1.995	ug/l	
47) Methyl methacrylate	6.972	69	10083	2.101	ug/l	95
48) Ethyl methacrylate	8.338	69	8728	0.973	ug/l	98
49) Toluene	7.962	92	30905	0.853	ug/l	96
50) t-1,3-Dichloropropene	8.210	75	12646	0.846	ug/l	96
51) cis-1,3-Dichloropropene	7.605	75	17373	0.865	ug/l	93
52) 1,1,2-Trichloroethane	8.396	97	11731	0.943	ug/l	94
53) 1,3-Dichloropropane	8.573	76	19322	0.903	ug/l	97
54) 2-Hexanone	8.698	43	21141	4.397	ug/l	89
55) Dibromochloromethane	8.804	129	11242	0.876	ug/l	96
56) 1,2-Dibromoethane	8.920	107	9751	0.967	ug/l	95
58) Tetrachloroethene	8.544	164	14681	0.960	ug/l	95
59) Chlorobenzene	9.441	112	34842	0.899	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.525	131	13320	0.954	ug/l	99
61) Pentachloroethane	11.415	117	10985	0.966	ug/l	100
62) Hexachloroethane	12.467	117	9374	0.917	ug/l	99
63) Ethyl Benzene	9.563	91	50087	0.806	ug/l	96
64) m/p-Xylenes	9.689	106	38930	2.060	ug/l	92
65) o-Xylene	10.094	106	19731	0.836	ug/l	97
66) Styrene	10.110	104	29573	1.013	ug/l	97
67) Bromoform	10.283	173	6361	0.907	ug/l	98
69) Isopropylbenzene	10.476	105	44144	0.807	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	14262	0.896	ug/l	96
71) 1,2,3-Trichloropropane	10.817	75	11475m	0.867	ug/l	
72) Bromobenzene	10.779	156	13533	0.881	ug/l	94
73) n-propylbenzene	10.898	120	13461	1.019	ug/l	89
74) 2-Chlorotoluene	10.978	126	12836	0.846	ug/l	82
75) 1,3,5-Trimethylbenzene	11.081	105	39748	0.964	ug/l	99
76) 4-Chlorotoluene	11.094	126	12996	0.817	ug/l	92
77) tert-Butylbenzene	11.412	119	42753	0.851	ug/l	97
78) 1,2,4-Trimethylbenzene	11.460	105	40697	1.007	ug/l	96
79) sec-Butylbenzene	11.634	105	57690	0.810	ug/l	100
80) Nitrobenzene	13.225	77	2196m	4.225	ug/l	
81) p-Isopropyltoluene	11.785	119	42416	1.007	ug/l	97
82) 1,3-Dichlorobenzene	11.743	146	29075	0.914	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	29356m	0.890	ug/l	
84) n-Butylbenzene	12.203	91	46235	0.793	ug/l	94
85) 1,2-Dichlorobenzene	12.206	146	27280	0.896	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.987	75	1728	0.790	ug/l	99
87) 1,2,4-Trichlorobenzene	13.840	180	13837	0.815	ug/l	98
88) Hexachlorobutadiene	14.010	225	11315	0.940	ug/l	97
89) Naphthalene	14.090	128	19413	1.384	ug/l #	92
90) 1,2,3-Trichlorobenzene	14.325	180	13071	0.774	ug/l	98

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

