

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021125\
 Data File : VU063247.D
 Acq On : 11 Feb 2025 19:54
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 02/12/2025
 Supervised By :Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 04:35:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 11 08:42:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.104	96	52981	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.624	95	18943	1.084	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
68) 1,2-Dichlorobenzene-d4	12.180	152	19039	1.048	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	157568	9.154	ug/l	98
3) Chloromethane	1.515	50	191540	9.662	ug/l	99
4) Vinyl Chloride	1.599	62	189434	9.658	ug/l	100
5) Bromomethane	1.843	94	106294	11.091	ug/l	98
6) Chloroethane	1.920	64	116905	9.463	ug/l	98
7) Trichlorofluoromethane	2.129	101	219910	9.462	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	120389	9.125	ug/l	99
9) 1,1-Dichloroethene	2.567	96	129987	9.671	ug/l	99
10) Iodomethane	2.708	142	225304	10.662	ug/l	99
11) Allyl Chloride	2.911	41	180594	9.353	ug/l	100
12) Acrylonitrile	3.300	53	66081	21.315	ug/l	99
13) Acetone	2.612	43	117048	49.099	ug/l	99
14) Carbon Disulfide	2.782	76	437552	9.310	ug/l	100
15) Methylene Chloride	3.030	84	164860	9.928	ug/l	99
16) trans-1,2-Dichloroethene	3.338	96	152348	9.931	ug/l	99
17) 1,1-Dichloroethane	3.853	63	291468	10.080	ug/l	99
18) 2-Butanone	4.686	43	198718	52.377	ug/l	99
19) Cyclohexane	5.374	56	225829m	9.719	ug/l	
20) Methylcyclohexane	6.750	83	224956	9.763	ug/l	99
21) 2,2-Dichloropropane	4.647	77	153004	6.782	ug/l	98
22) cis-1,2-Dichloroethene	4.650	96	168940	10.192	ug/l	97
23) Diethyl Ether	2.364	59	113762	9.863	ug/l	98
24) tert-Butyl Alcohol	3.162	59	111504	94.304	ug/l	100
25) Methyl tert-Butyl Ether	3.348	73	353979	10.544	ug/l	99
26) Bromochloromethane	4.959	128	74581	10.294	ug/l	97
27) Chloroform	5.071	83	291149	9.977	ug/l	99
28) 1,1,1-Trichloroethane	5.300	97	234571	9.923	ug/l	99
29) 1,1-Dichloropropene	5.512	75	210401	9.938	ug/l	99
30) Carbon Tetrachloride	5.509	117	198010	9.768	ug/l	98
31) Isopropyl Ether	3.975	45	436711	10.579	ug/l	100
32) Ethyl-t-butyl ether	4.483	59	404211	10.767	ug/l	99
33) Tert-Amyl methyl ether	5.923	73	362861	11.062	ug/l	100
34) Propionitrile	4.753	54	65074	56.867	ug/l	98
35) Benzene	5.759	78	656632	10.087	ug/l	98
36) 1,2-Dichloroethane	5.779	62	188765	10.047	ug/l	100
37) Trichloroethene	6.531	130	153763	9.932	ug/l	97
38) 1,2-Dichloropropane	6.776	63	173793	10.200	ug/l	99
39) Methacrylonitrile	4.956	41	50004	11.725	ug/l	97
40) Methyl acrylate	4.833	55	83797	10.662	ug/l	98
41) Tetrahydrofuran	5.039	42	50510	20.365	ug/l	98
42) 1-Chlorobutane	5.444	56	295087	10.187	ug/l	99
43) Dibromomethane	6.904	93	87736	10.169	ug/l	99
44) Bromodichloromethane	7.091	83	209848	10.450	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.775	43	492605	54.459	ug/l	99
46) t-1,4-Dichloro-2-butene	10.820	75	81157m	19.086	ug/l	
47) Methyl methacrylate	6.946	69	165487	22.772	ug/l	99
48) Ethyl methacrylate	8.322	69	158531	11.618	ug/l	100
49) Toluene	7.956	92	393757	10.518	ug/l	100
50) t-1,3-Dichloropropene	8.200	75	185356	10.082	ug/l	99
51) cis-1,3-Dichloropropene	7.595	75	221665	9.760	ug/l	98
52) 1,1,2-Trichloroethane	8.386	97	122554	10.535	ug/l	99
53) 1,3-Dichloropropane	8.563	76	215165	10.418	ug/l	98
54) 2-Hexanone	8.669	43	337564	54.686	ug/l	99
55) Dibromochloromethane	8.798	129	140827	10.523	ug/l	97
56) 1,2-Dibromoethane	8.910	107	114732	10.516	ug/l	98
58) Tetrachloroethene	8.541	164	126418	9.909	ug/l	99
59) Chlorobenzene	9.435	112	410668	10.395	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.521	131	148661	10.469	ug/l	99
61) Pentachloroethane	11.415	117	127814	10.076	ug/l	99
62) Hexachloroethane	12.463	117	113342	10.099	ug/l	99
63) Ethyl Benzene	9.560	91	732149	10.746	ug/l	99
64) m/p-Xylenes	9.682	106	563239	22.131	ug/l	100
65) o-Xylene	10.087	106	270592	10.861	ug/l	100
66) Styrene	10.103	104	453847	11.446	ug/l	100
67) Bromoform	10.277	173	81875	10.779	ug/l	98
69) Isopropylbenzene	10.473	105	631281	10.778	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.769	83	161046	10.272	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	122754m	10.421	ug/l	
72) Bromobenzene	10.772	156	167229	10.596	ug/l	99
73) n-propylbenzene	10.894	120	187327	11.170	ug/l	98
74) 2-Chlorotoluene	10.975	126	168006	10.870	ug/l	99
75) 1,3,5-Trimethylbenzene	11.078	105	605690	11.160	ug/l	99
76) 4-Chlorotoluene	11.087	126	174397	11.003	ug/l	97
77) tert-Butylbenzene	11.409	119	581571	10.595	ug/l	100
78) 1,2,4-Trimethylbenzene	11.457	105	612510	11.374	ug/l	100
79) sec-Butylbenzene	11.631	105	750172	10.734	ug/l	100
80) Nitrobenzene	13.203	77	19044	41.694	ug/l	94
81) p-Isopropyltoluene	11.782	119	605994	10.987	ug/l	99
82) 1,3-Dichlorobenzene	11.734	146	321261	10.495	ug/l	100
83) 1,4-Dichlorobenzene	11.824	146	321627	10.742	ug/l	98
84) n-Butylbenzene	12.200	91	532040	10.758	ug/l	99
85) 1,2-Dichlorobenzene	12.200	146	311274	10.581	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.984	75	24252	11.020	ug/l	98
87) 1,2,4-Trichlorobenzene	13.830	180	162209	11.306	ug/l	99
88) Hexachlorobutadiene	14.010	225	94252	9.192	ug/l	100
89) Naphthalene	14.077	128	263866	8.885	ug/l	99
90) 1,2,3-Trichlorobenzene	14.319	180	158862	11.316	ug/l	98

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

