

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072723\
 Data File : VU054893.D
 Acq On : 27 Jul 2023 12:09
 Operator : MD/SY
 Sample : VU0727WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/28/2023
 Supervised By : Mahesh Dadoda 07/31/2023

Quant Time: Jul 28 05:44:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 26 09:45:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	26896	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	8768	1.075	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	9822	1.066	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	9114	1.780	ug/l	95
3) Chloromethane	1.518	50	10308	1.792	ug/l	97
4) Vinyl Chloride	1.602	62	13440	1.749	ug/l	98
5) Bromomethane	1.853	94	11711	1.921	ug/l	94
6) Chloroethane	1.930	64	11795	1.485	ug/l	99
7) Trichlorofluoromethane	2.136	101	28330	1.569	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	9842	1.682	ug/l	95
9) 1,1-Dichloroethene	2.573	96	8092	1.743	ug/l	94
10) Iodomethane	2.718	142	10897	1.503	ug/l	96
11) Allyl Chloride	2.920	41	9288	1.674	ug/l	98
12) Acrylonitrile	3.332	53	4609m	3.955	ug/l	
13) Acetone	2.647	43	9316	7.648	ug/l	93
14) Carbon Disulfide	2.788	76	13563	1.686	ug/l	# 90
15) Methylene Chloride	3.039	84	12667	2.097	ug/l	99
16) trans-1,2-Dichloroethene	3.351	96	8987	1.778	ug/l	95
17) 1,1-Dichloroethane	3.865	63	20102	1.778	ug/l	# 90
18) 2-Butanone	4.724	43	14170m	9.222	ug/l	
19) Cyclohexane	5.383	56	12301m	1.934	ug/l	
20) Methylcyclohexane	6.759	83	15015	1.765	ug/l	98
21) 2,2-Dichloropropane	4.656	77	16689	1.592	ug/l	94
22) cis-1,2-Dichloroethene	4.663	96	12249	1.823	ug/l	96
23) Diethyl Ether	2.374	59	12726	1.858	ug/l	98
24) tert-Butyl Alcohol	3.216	59	12076m	18.948	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	26810	1.866	ug/l	97
26) Bromochloromethane	4.972	128	4886	1.773	ug/l	96
27) Chloroform	5.084	83	22017	1.813	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	19014	1.813	ug/l	98
29) 1,1-Dichloropropene	5.525	75	12663	1.637	ug/l	98
30) Carbon Tetrachloride	5.518	117	15074	1.722	ug/l	88
31) Isopropyl Ether	3.984	45	29224	1.751	ug/l	95
32) Ethyl-t-butyl ether	4.502	59	32188	1.873	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	30896	1.902	ug/l	99
34) Propionitrile	4.804	54	3946m	9.315	ug/l	
35) Benzene	5.772	78	44013	1.817	ug/l	98
36) 1,2-Dichloroethane	5.795	62	13121	1.904	ug/l	95
37) Trichloroethene	6.541	130	11856	1.820	ug/l	99
38) 1,2-Dichloropropane	6.788	63	12301	1.796	ug/l	92
39) Methacrylonitrile	4.978	41	3674m	2.163	ug/l	
40) Methyl acrylate	4.859	55	5965	2.209	ug/l	# 74
41) Tetrahydrofuran	5.068	42	3461m	3.564	ug/l	
42) 1-Chlorobutane	5.457	56	16741	1.653	ug/l	93
43) Dibromomethane	6.917	93	5734	1.783	ug/l	93
44) Bromodichloromethane	7.103	83	16059	1.792	ug/l	# 96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	37612	10.022	ug/l	99
46) t-1,4-Dichloro-2-butene	10.830	75	5657m	3.746	ug/l	
47) Methyl methacrylate	6.962	69	11243	3.823	ug/l	94
48) Ethyl methacrylate	8.332	69	11676	1.963	ug/l	100
49) Toluene	7.965	92	27040	1.752	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	14062	1.767	ug/l #	87
51) cis-1,3-Dichloropropene	7.605	75	17458	1.785	ug/l	97
52) 1,1,2-Trichloroethane	8.399	97	9580	1.879	ug/l #	81
53) 1,3-Dichloropropane	8.573	76	16133	1.956	ug/l	94
54) 2-Hexanone	8.685	43	26730	10.023	ug/l	99
55) Dibromochloromethane	8.807	129	10814	1.851	ug/l	94
56) 1,2-Dibromoethane	8.923	107	8604	1.991	ug/l	98
58) Tetrachloroethene	8.550	164	10730	1.887	ug/l	93
59) Chlorobenzene	9.444	112	32863	1.755	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.531	131	11824	1.788	ug/l	99
61) Pentachloroethane	11.425	117	8681	1.681	ug/l	96
62) Hexachloroethane	12.470	117	8759	1.649	ug/l	97
63) Ethyl Benzene	9.566	91	56255	1.790	ug/l	97
64) m/p-Xylenes	9.692	106	42228	3.592	ug/l	100
65) o-Xylene	10.097	106	21584	1.787	ug/l	96
66) Styrene	10.113	104	34574	1.791	ug/l	97
67) Bromoform	10.286	173	5956	1.966	ug/l #	97
69) Isopropylbenzene	10.483	105	57223	1.765	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.778	83	12290	1.947	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	9343m	2.078	ug/l	
72) Bromobenzene	10.782	156	14062	1.948	ug/l	98
73) n-propylbenzene	10.904	120	15903	1.833	ug/l	92
74) 2-Chlorotoluene	10.984	126	13888	1.849	ug/l	96
75) 1,3,5-Trimethylbenzene	11.087	105	46816	1.783	ug/l	97
76) 4-Chlorotoluene	11.097	126	13919	1.784	ug/l	89
77) tert-Butylbenzene	11.415	119	48766	1.786	ug/l	98
78) 1,2,4-Trimethylbenzene	11.466	105	46489	1.730	ug/l	98
79) sec-Butylbenzene	11.640	105	62455	1.760	ug/l	99
80) Nitrobenzene	13.219	77	1552	9.359	ug/l #	68
81) p-Isopropyltoluene	11.791	119	50101	1.789	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	29183	1.899	ug/l	97
83) 1,4-Dichlorobenzene	11.836	146	28842	1.883	ug/l	99
84) n-Butylbenzene	12.206	91	44557	1.771	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	26860	1.823	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	1588	1.892	ug/l	86
87) 1,2,4-Trichlorobenzene	13.839	180	18134	1.930	ug/l	95
88) Hexachlorobutadiene	14.016	225	8804	1.757	ug/l	97
89) Naphthalene	14.084	128	30865	2.122	ug/l	97
90) 1,2,3-Trichlorobenzene	14.325	180	15394	1.847	ug/l	92

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

