

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072223\
 Data File : VU054843.D
 Acq On : 21 Jul 2023 17:44
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/31/2023
 Supervised By :Mahesh Dadoda 07/31/2023

Quant Time: Jul 24 09:34:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Jul 24 08:47:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	26742	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	7889	0.977	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	8759	0.937	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	10738	2.018	ug/l	98
3) Chloromethane	1.518	50	11651	1.885	ug/l	94
4) Vinyl Chloride	1.602	62	15659	1.974	ug/l	92
5) Bromomethane	1.856	94	11134	1.978	ug/l	95
6) Chloroethane	1.933	64	13900	1.854	ug/l	94
7) Trichlorofluoromethane	2.136	101	36876	1.918	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	10160	1.844	ug/l	98
9) 1,1-Dichloroethene	2.576	96	9193	1.998	ug/l	92
10) Iodomethane	2.718	142	13742	1.854	ug/l	98
11) Allyl Chloride	2.920	41	10829	2.007	ug/l	95
12) Acrylonitrile	3.345	53	4921m	4.465	ug/l	
13) Acetone	2.660	43	9875m	10.171	ug/l	
14) Carbon Disulfide	2.788	76	15262	1.968	ug/l	99
15) Methylene Chloride	3.042	84	18561	2.310	ug/l	96
16) trans-1,2-Dichloroethene	3.351	96	9283	1.816	ug/l	97
17) 1,1-Dichloroethane	3.869	63	20719	1.915	ug/l	99
18) 2-Butanone	4.727	43	13951m	10.138	ug/l	
19) Cyclohexane	5.380	56	12511	1.769	ug/l	94
20) Methylcyclohexane	6.759	83	15736	1.892	ug/l	98
21) 2,2-Dichloropropane	4.656	77	18564	1.967	ug/l	98
22) cis-1,2-Dichloroethene	4.666	96	12841	1.984	ug/l	98
23) Diethyl Ether	2.374	59	13496	1.909	ug/l	92
24) tert-Butyl Alcohol	3.187	59	13480m	20.467	ug/l	
25) Methyl tert-Butyl Ether	3.367	73	27472	1.957	ug/l	97
26) Bromochloromethane	4.968	128	4793	1.942	ug/l	94
27) Chloroform	5.084	83	22718	1.911	ug/l	98
28) 1,1,1-Trichloroethane	5.312	97	19641	1.966	ug/l	99
29) 1,1-Dichloropropene	5.525	75	13056	1.837	ug/l	98
30) Carbon Tetrachloride	5.521	117	15742	1.896	ug/l	96
31) Isopropyl Ether	3.991	45	30778	1.923	ug/l	93
32) Ethyl-t-butyl ether	4.496	59	32489	1.975	ug/l	99
33) Tert-Amyl methyl ether	5.939	73	28999	1.873	ug/l	97
34) Propionitrile	4.814	54	4398m	9.741	ug/l	
35) Benzene	5.772	78	44765	1.939	ug/l	100
36) 1,2-Dichloroethane	5.791	62	12638	1.905	ug/l	96
37) Trichloroethene	6.541	130	11852	1.899	ug/l	97
38) 1,2-Dichloropropane	6.791	63	13261	1.989	ug/l	98
39) Methacrylonitrile	4.978	41	3095m	1.882	ug/l	
40) Methyl acrylate	4.859	55	4110	1.468	ug/l	# 92
41) Tetrahydrofuran	5.068	42	3295	3.440	ug/l	# 68
42) 1-Chlorobutane	5.451	56	18239	1.898	ug/l	94
43) Dibromomethane	6.917	93	5823	1.878	ug/l	92
44) Bromodichloromethane	7.103	83	16001	1.884	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	32983	8.988	ug/l	96
46) t-1,4-Dichloro-2-butene	10.830	75	5661m	3.669	ug/l	
47) Methyl methacrylate	6.962	69	10431	3.581	ug/l	92
48) Ethyl methacrylate	8.335	69	10537	1.781	ug/l	98
49) Toluene	7.968	92	27731	1.882	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	14525	1.929	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	16818	1.837	ug/l	93
52) 1,1,2-Trichloroethane	8.399	97	9468	2.024	ug/l	92
53) 1,3-Dichloropropane	8.573	76	15875	2.013	ug/l	99
54) 2-Hexanone	8.685	43	23129	9.040	ug/l	97
55) Dibromochloromethane	8.807	129	10342	1.850	ug/l	98
56) 1,2-Dibromoethane	8.923	107	7972	1.948	ug/l	100
58) Tetrachloroethene	8.550	164	10198	1.875	ug/l	96
59) Chlorobenzene	9.444	112	32677	1.861	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.531	131	11180	1.803	ug/l	93
61) Pentachloroethane	11.421	117	9023	1.849	ug/l	96
62) Hexachloroethane	12.470	117	8944	1.784	ug/l	93
63) Ethyl Benzene	9.566	91	56640	1.892	ug/l	98
64) m/p-Xylenes	9.688	106	42962	3.795	ug/l	97
65) o-Xylene	10.097	106	20815	1.826	ug/l	98
66) Styrene	10.113	104	33039	1.804	ug/l	96
67) Bromoform	10.290	173	5402	1.793	ug/l #	97
69) Isopropylbenzene	10.479	105	57510	1.859	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	10912	1.871	ug/l	99
71) 1,2,3-Trichloropropane	10.823	75	7732m	1.929	ug/l	
72) Bromobenzene	10.778	156	13559	1.900	ug/l	96
73) n-propylbenzene	10.904	120	15626	1.880	ug/l	94
74) 2-Chlorotoluene	10.981	126	13665	1.888	ug/l	100
75) 1,3,5-Trimethylbenzene	11.084	105	46823	1.858	ug/l	100
76) 4-Chlorotoluene	11.093	126	13458	1.809	ug/l	98
77) tert-Butylbenzene	11.415	119	47476	1.829	ug/l	98
78) 1,2,4-Trimethylbenzene	11.466	105	47786	1.886	ug/l	98
79) sec-Butylbenzene	11.640	105	62965	1.870	ug/l	97
80) Nitrobenzene	13.212	77	1411	9.302	ug/l #	71
81) p-Isopropyltoluene	11.791	119	49873	1.818	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	26713	1.870	ug/l	99
83) 1,4-Dichlorobenzene	11.833	146	26587	1.855	ug/l	99
84) n-Butylbenzene	12.206	91	43948	1.741	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	25273	1.857	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	1419	1.971	ug/l	87
87) 1,2,4-Trichlorobenzene	13.836	180	15782	1.809	ug/l	96
88) Hexachlorobutadiene	14.016	225	8515	1.827	ug/l	99
89) Naphthalene	14.084	128	23164	1.642	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	12841	1.703	ug/l	96

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

