

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072623\
 Data File : VU054876.D
 Acq On : 26 Jul 2023 14:24
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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

Quant Time: Jul 28 03:10:18 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	28729	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	8970	1.030	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	10672	1.084	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	54119	9.893	ug/l	100
3) Chloromethane	1.518	50	59457	9.675	ug/l	94
4) Vinyl Chloride	1.602	62	78816	9.603	ug/l	99
5) Bromomethane	1.856	94	62755	9.638	ug/l	97
6) Chloroethane	1.930	64	82382	9.711	ug/l	100
7) Trichlorofluoromethane	2.132	101	172593	8.951	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	59166	9.469	ug/l	98
9) 1,1-Dichloroethene	2.576	96	48303	9.738	ug/l	97
10) Iodomethane	2.718	142	77632	10.026	ug/l	98
11) Allyl Chloride	2.917	41	57059	9.626	ug/l	100
12) Acrylonitrile	3.319	53	25459	20.453	ug/l	91
13) Acetone	2.640	43	92634	71.200	ug/l	96
14) Carbon Disulfide	2.788	76	76835	8.942	ug/l	100
15) Methylene Chloride	3.039	84	75128	11.879	ug/l	98
16) trans-1,2-Dichloroethene	3.348	96	53492	9.907	ug/l	92
17) 1,1-Dichloroethane	3.862	63	115985	9.604	ug/l	97
18) 2-Butanone	4.708	43	107001	65.195	ug/l	98
19) Cyclohexane	5.383	56	75020m	11.040	ug/l	
20) Methylcyclohexane	6.759	83	92566	10.187	ug/l	97
21) 2,2-Dichloropropane	4.660	77	107363	9.591	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	71916	10.022	ug/l	98
23) Diethyl Ether	2.374	59	67855	9.273	ug/l	100
24) tert-Butyl Alcohol	3.232	59	63789m	93.702	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	152615	9.943	ug/l	95
26) Bromochloromethane	4.968	128	28293	9.614	ug/l	97
27) Chloroform	5.081	83	128356	9.897	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	111468	9.951	ug/l	100
29) 1,1-Dichloropropene	5.521	75	79475	9.618	ug/l	98
30) Carbon Tetrachloride	5.518	117	91796	9.818	ug/l	96
31) Isopropyl Ether	3.988	45	175589	9.850	ug/l	100
32) Ethyl-t-butyl ether	4.496	59	178857	9.745	ug/l	100
33) Tert-Amyl methyl ether	5.936	73	170381	9.818	ug/l	99
34) Propionitrile	4.788	54	24722m	54.636	ug/l	
35) Benzene	5.769	78	250664	9.687	ug/l	99
36) 1,2-Dichloroethane	5.791	62	73095	9.930	ug/l	97
37) Trichloroethene	6.537	130	69763	10.025	ug/l	96
38) 1,2-Dichloropropane	6.785	63	70677	9.662	ug/l	99
39) Methacrylonitrile	4.975	41	17687	9.750	ug/l	97
40) Methyl acrylate	4.849	55	27068	9.384	ug/l	96
41) Tetrahydrofuran	5.058	42	17984	17.338	ug/l	94
42) 1-Chlorobutane	5.454	56	102901	9.511	ug/l	99
43) Dibromomethane	6.917	93	35020	10.193	ug/l	99
44) Bromodichloromethane	7.100	83	97612	10.197	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	207062	51.651	ug/l	99
46) t-1,4-Dichloro-2-butene	10.833	75	30654m	19.004	ug/l	
47) Methyl methacrylate	6.959	69	64769	20.620	ug/l	98
48) Ethyl methacrylate	8.331	69	66883	10.528	ug/l	99
49) Toluene	7.965	92	166611	10.108	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	87051	10.243	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	104403	9.994	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	53098	9.749	ug/l	98
53) 1,3-Dichloropropane	8.573	76	89969	10.211	ug/l	97
54) 2-Hexanone	8.682	43	181525	63.724	ug/l	98
55) Dibromochloromethane	8.807	129	64814	10.386	ug/l	99
56) 1,2-Dibromoethane	8.920	107	47856	10.368	ug/l	98
58) Tetrachloroethene	8.550	164	59781	9.841	ug/l	96
59) Chlorobenzene	9.444	112	198636	9.930	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.531	131	71415	10.112	ug/l	98
61) Pentachloroethane	11.421	117	56272	10.199	ug/l	99
62) Hexachloroethane	12.473	117	60489	10.661	ug/l	97
63) Ethyl Benzene	9.566	91	340034	10.130	ug/l	100
64) m/p-Xylenes	9.692	106	255833	20.372	ug/l	99
65) o-Xylene	10.097	106	129398	10.032	ug/l	97
66) Styrene	10.110	104	215093	10.429	ug/l	99
67) Bromoform	10.286	173	35555	10.987	ug/l	99
69) Isopropylbenzene	10.479	105	350313	10.116	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.778	83	68558	10.169	ug/l	95
71) 1,2,3-Trichloropropane	10.823	75	46163m	9.613	ug/l	
72) Bromobenzene	10.778	156	80277	10.412	ug/l	100
73) n-propylbenzene	10.904	120	95035	10.255	ug/l	99
74) 2-Chlorotoluene	10.984	126	82484	10.281	ug/l	100
75) 1,3,5-Trimethylbenzene	11.084	105	291926	10.410	ug/l	100
76) 4-Chlorotoluene	11.093	126	87819	10.536	ug/l	100
77) tert-Butylbenzene	11.418	119	301855	10.350	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	301505	10.502	ug/l	98
79) sec-Butylbenzene	11.640	105	403920	10.654	ug/l	99
80) Nitrobenzene	13.206	77	9231	52.114	ug/l #	94
81) p-Isopropyltoluene	11.791	119	328946	10.994	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	168962	10.294	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	167363	10.229	ug/l	98
84) n-Butylbenzene	12.206	91	300594	11.185	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	158390	10.067	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.990	75	10054	11.217	ug/l	89
87) 1,2,4-Trichlorobenzene	13.836	180	101660	10.130	ug/l	98
88) Hexachlorobutadiene	14.016	225	57240	10.695	ug/l	98
89) Naphthalene	14.084	128	165680	10.661	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	90121	10.122	ug/l	100

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

