

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020923\
 Data File : VU053022.D
 Acq On : 09 Feb 2023 17:21
 Operator : JC/MD
 Sample : VU0209WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0209WBSD01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/10/2023
 Supervised By :Mahesh Dadoda 02/10/2023

Quant Time: Feb 10 01:22:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 05:16:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.109	96	31042	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	11817	1.144	ug/l	0.00
Spiked Amount 1.000			Recovery	=	114.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	9715	0.915	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	16939	1.612	ug/l	99
3) Chloromethane	1.518	50	17164	1.722	ug/l	97
4) Vinyl Chloride	1.604	62	19805	2.057	ug/l	99
5) Bromomethane	1.858	94	11466	2.292	ug/l	97
6) Chloroethane	1.936	64	11958	2.065	ug/l	98
7) Trichlorofluoromethane	2.138	101	30306	2.161	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.575	101	17382	2.267	ug/l	91
9) 1,1-Dichloroethene	2.575	96	16398	2.264	ug/l	92
10) Iodomethane	2.717	142	18931	2.361	ug/l	98
11) Allyl Chloride	2.916	41	21878	2.528	ug/l	97
12) Acrylonitrile	3.328	53	7616	4.959	ug/l	# 87
13) Acetone	2.665	43	29640	13.608	ug/l	92
14) Carbon Disulfide	2.788	76	46735	1.926	ug/l	100
15) Methylene Chloride	3.038	84	19371	2.214	ug/l	94
16) trans-1,2-Dichloroethene	3.344	96	17225	2.137	ug/l	94
17) 1,1-Dichloroethane	3.862	63	34640	2.546	ug/l	98
18) 2-Butanone	4.736	43	35482	14.021	ug/l	99
19) Cyclohexane	5.376	56	26762	2.236	ug/l	98
20) Methylcyclohexane	6.755	83	28544	2.138	ug/l	95
21) 2,2-Dichloropropane	4.659	77	32015	2.533	ug/l	99
22) cis-1,2-Dichloroethene	4.659	96	19298	2.291	ug/l	89
23) Diethyl Ether	2.373	59	13405	2.618	ug/l	99
24) tert-Butyl Alcohol	3.363	59	3785m	6.139	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	44717	2.691	ug/l	99
26) Bromochloromethane	4.968	128	8260	2.100	ug/l	87
27) Chloroform	5.083	83	34863	2.390	ug/l	99
28) 1,1,1-Trichloroethane	5.312	97	30732	2.281	ug/l	98
29) 1,1-Dichloropropene	5.517	75	22888	2.015	ug/l	94
30) Carbon Tetrachloride	5.517	117	21997	1.800	ug/l	97
31) Isopropyl Ether	3.993	45	50280	2.570	ug/l	99
32) Ethyl-t-butyl ether	4.505	59	52663	2.884	ug/l	96
33) Tert-Amyl methyl ether	5.945	73	40223	2.490	ug/l	97
34) Propionitrile	4.826	54	6673m	11.517	ug/l	
35) Benzene	5.768	78	62226	1.888	ug/l	99
36) 1,2-Dichloroethane	5.794	62	18600	1.879	ug/l	100
37) Trichloroethene	6.540	130	15332	1.707	ug/l	92
38) 1,2-Dichloropropane	6.787	63	17088	2.044	ug/l	99
39) Methacrylonitrile	4.980	41	6516	2.816	ug/l	96
40) Methyl acrylate	4.852	55	10792	2.631	ug/l	# 97
41) Tetrahydrofuran	5.083	42	5337	4.636	ug/l	86
42) 1-Chlorobutane	5.450	56	30081	2.072	ug/l	96
43) Dibromomethane	6.919	93	8520	2.013	ug/l	# 85
44) Bromodichloromethane	7.103	83	22966	2.001	ug/l	# 99

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45) 4-Methyl-2-Pentanone	7.800	43	49861	11.212	ug/l	95
46) t-1,4-Dichloro-2-butene	10.832	75	10947m	4.695	ug/l	
47) Methyl methacrylate	6.968	69	17255	4.587	ug/l	94
48) Ethyl methacrylate	8.337	69	17285	2.535	ug/l	96
49) Toluene	7.967	92	38562	1.927	ug/l	93
50) t-1,3-Dichloropropene	8.209	75	22720	2.269	ug/l	97
51) cis-1,3-Dichloropropene	7.607	75	26801	2.275	ug/l	97
52) 1,1,2-Trichloroethane	8.398	97	12324	2.048	ug/l	96
53) 1,3-Dichloropropane	8.572	76	21127	2.031	ug/l	98
54) 2-Hexanone	8.694	43	47715	12.265	ug/l	96
55) Dibromochloromethane	8.807	129	13867	1.762	ug/l	99
56) 1,2-Dibromoethane	8.922	107	10902	1.903	ug/l	99
58) Tetrachloroethene	8.549	164	11916	1.470	ug/l	92
59) Chlorobenzene	9.443	112	42022	1.930	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.530	131	14661	1.740	ug/l	95
61) Pentachloroethane	11.424	117	13007	1.884	ug/l	91
62) Hexachloroethane	12.472	117	13971	2.003	ug/l #	78
63) Ethyl Benzene	9.569	91	77916	2.209	ug/l	98
64) m/p-Xylenes	9.691	106	57485	4.088	ug/l	92
65) o-Xylene	10.096	106	28005	2.064	ug/l	89
66) Styrene	10.112	104	45565	2.089	ug/l	96
67) Bromoform	10.289	173	7364	1.585	ug/l	98
69) Isopropylbenzene	10.479	105	75158	2.177	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.781	83	17086	2.278	ug/l #	97
71) 1,2,3-Trichloropropane	10.826	75	10976m	1.690	ug/l	
72) Bromobenzene	10.778	156	15643	1.784	ug/l	84
73) n-propylbenzene	10.903	120	19447	2.036	ug/l	86
74) 2-Chlorotoluene	10.983	126	17147	1.966	ug/l	89
75) 1,3,5-Trimethylbenzene	11.083	105	62827	2.117	ug/l	94
76) 4-Chlorotoluene	11.096	126	17158	1.917	ug/l	89
77) tert-Butylbenzene	11.418	119	62206	2.072	ug/l	95
78) 1,2,4-Trimethylbenzene	11.463	105	63326	2.120	ug/l	95
79) sec-Butylbenzene	11.639	105	82463	2.124	ug/l	96
80) Nitrobenzene	13.208	77	5451	11.740	ug/l #	92
81) p-Isopropyltoluene	11.790	119	64198	1.996	ug/l #	94
82) 1,3-Dichlorobenzene	11.742	146	31402	1.754	ug/l	96
83) 1,4-Dichlorobenzene	11.832	146	31070	1.728	ug/l #	95
84) n-Butylbenzene	12.205	91	64488	2.269	ug/l	96
85) 1,2-Dichlorobenzene	12.208	146	31004	1.835	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.993	75	2799	2.014	ug/l	85
87) 1,2,4-Trichlorobenzene	13.839	180	19837	1.957	ug/l	98
88) Hexachlorobutadiene	14.015	225	9784	1.377	ug/l	99
89) Naphthalene	14.083	128	41355	2.105	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	18049	1.876	ug/l	96

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

