

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101923\
 Data File : VU055810.D
 Acq On : 19 Oct 2023 11:20
 Operator : MD/SY
 Sample : VU1019WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1019WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2023
 Supervised By : Mahesh Dadoda 10/25/2023

Quant Time: Oct 20 01:37:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 03:10:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	71360	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	29208	1.038	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	28173	1.080	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	51744	1.867	ug/l	97
3) Chloromethane	1.515	50	33071	1.396	ug/l	96
4) Vinyl Chloride	1.599	62	34038	1.402	ug/l	100
5) Bromomethane	1.856	94	23980	1.795	ug/l	93
6) Chloroethane	1.930	64	17980	1.529	ug/l	100
7) Trichlorofluoromethane	2.132	101	56463	1.764	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	39904	1.870	ug/l	93
9) 1,1-Dichloroethene	2.576	96	35740	1.796	ug/l	91
10) Iodomethane	2.718	142	52759	1.779	ug/l	97
11) Allyl Chloride	2.920	41	45126	1.744	ug/l	100
12) Acrylonitrile	3.325	53	13727	3.670	ug/l	89
13) Acetone	2.641	43	62659	7.853	ug/l	97
14) Carbon Disulfide	2.788	76	121389	1.868	ug/l	99
15) Methylene Chloride	3.039	84	46069	1.962	ug/l	88
16) trans-1,2-Dichloroethene	3.351	96	41255	1.956	ug/l	91
17) 1,1-Dichloroethane	3.866	63	77547	1.977	ug/l	99
18) 2-Butanone	4.714	43	69421	8.076	ug/l	98
19) Cyclohexane	5.383	56	63587m	1.900	ug/l	
20) Methylcyclohexane	6.759	83	63113	1.815	ug/l	98
21) 2,2-Dichloropropane	4.660	77	62740	1.899	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	43046	1.914	ug/l	97
23) Diethyl Ether	2.370	59	16526	1.389	ug/l	88
24) tert-Butyl Alcohol	3.229	59	23492m	19.250	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	81556	1.904	ug/l	98
26) Bromochloromethane	4.968	128	18554	1.947	ug/l	93
27) Chloroform	5.084	83	79301	1.970	ug/l	95
28) 1,1,1-Trichloroethane	5.312	97	71355	1.978	ug/l	96
29) 1,1-Dichloropropene	5.525	75	55613	1.946	ug/l	99
30) Carbon Tetrachloride	5.521	117	64666	2.053	ug/l	97
31) Isopropyl Ether	3.985	45	92588	1.757	ug/l	98
32) Ethyl-t-butyl ether	4.496	59	93571	1.839	ug/l	96
33) Tert-Amyl methyl ether	5.936	73	81801	1.876	ug/l	97
34) Propionitrile	4.801	54	12567	9.241	ug/l	# 11
35) Benzene	5.769	78	166723	1.926	ug/l	98
36) 1,2-Dichloroethane	5.792	62	43560	1.853	ug/l	# 95
37) Trichloroethene	6.541	130	43896	1.949	ug/l	96
38) 1,2-Dichloropropane	6.788	63	41742	1.846	ug/l	99
39) Methacrylonitrile	4.978	41	9382	1.850	ug/l	# 90
40) Methyl acrylate	4.859	55	14307	1.854	ug/l	# 93
41) Tetrahydrofuran	5.065	42	9344	3.252	ug/l	93
42) 1-Chlorobutane	5.454	56	71918	1.888	ug/l	96
43) Dibromomethane	6.917	93	22595	2.103	ug/l	98
44) Bromodichloromethane	7.103	83	54862	1.932	ug/l	98

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45) 4-Methyl-2-Pentanone	7.788	43	94201	8.477	ug/l	97
46) t-1,4-Dichloro-2-butene	10.830	75	15378m	3.479	ug/l	
47) Methyl methacrylate	6.959	69	32899	3.711	ug/l	95
48) Ethyl methacrylate	8.332	69	34338	2.107	ug/l	89
49) Toluene	7.968	92	105633	2.062	ug/l	95
50) t-1,3-Dichloropropene	8.209	75	45595	1.814	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	60780	1.976	ug/l	97
52) 1,1,2-Trichloroethane	8.399	97	30501	1.987	ug/l	97
53) 1,3-Dichloropropane	8.573	76	49053	1.870	ug/l	99
54) 2-Hexanone	8.685	43	91633	7.360	ug/l	98
55) Dibromochloromethane	8.807	129	35770	1.931	ug/l	100
56) 1,2-Dibromoethane	8.923	107	30761	2.194	ug/l	97
58) Tetrachloroethene	8.550	164	48908	2.088	ug/l	97
59) Chlorobenzene	9.444	112	109059	1.927	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	39509	1.959	ug/l	95
61) Pentachloroethane	11.425	117	26994	1.978	ug/l	93
62) Hexachloroethane	12.473	117	26496	1.972	ug/l	94
63) Ethyl Benzene	9.569	91	181012	1.885	ug/l	98
64) m/p-Xylenes	9.692	106	142183	3.852	ug/l	98
65) o-Xylene	10.100	106	73415	2.027	ug/l	96
66) Styrene	10.113	104	117589	2.076	ug/l	99
67) Bromoform	10.290	173	19131	1.923	ug/l	97
69) Isopropylbenzene	10.483	105	190518	2.043	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.778	83	34431	1.918	ug/l	97
71) 1,2,3-Trichloropropane	10.820	75	28198m	1.896	ug/l	
72) Bromobenzene	10.782	156	43605	1.960	ug/l	100
73) n-propylbenzene	10.904	120	45470	1.926	ug/l	93
74) 2-Chlorotoluene	10.984	126	44629	1.996	ug/l	100
75) 1,3,5-Trimethylbenzene	11.087	105	166030	2.080	ug/l	99
76) 4-Chlorotoluene	11.097	126	48791	2.142	ug/l	94
77) tert-Butylbenzene	11.418	119	140643	1.986	ug/l	97
78) 1,2,4-Trimethylbenzene	11.467	105	149006	1.918	ug/l	100
79) sec-Butylbenzene	11.640	105	162719	1.851	ug/l	99
80) Nitrobenzene	13.216	77	3904m	8.911	ug/l	
81) p-Isopropyltoluene	11.791	119	129976	1.849	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	91040	2.004	ug/l	99
83) 1,4-Dichlorobenzene	11.836	146	86801	1.975	ug/l	97
84) n-Butylbenzene	12.206	91	116233	1.916	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	87796	2.115	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	13.000	75	4662	1.820	ug/l	99
87) 1,2,4-Trichlorobenzene	13.839	180	44475	1.995	ug/l	98
88) Hexachlorobutadiene	14.019	225	31237	1.994	ug/l	98
89) Naphthalene	14.087	128	56606	1.896	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	35434	1.894	ug/l	97

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

