

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055800.D
 Acq On : 18 Oct 2023 15:55
 Operator : MD/SY
 Sample : VU1018WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1018WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Mahesh Dadoda 10/24/2023

Quant Time: Oct 19 03:41:43 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	100581	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	38369	0.967	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	37277	1.014	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	77680	1.989	ug/l	100
3) Chloromethane	1.518	50	71400	2.139	ug/l	97
4) Vinyl Chloride	1.602	62	72729	2.126	ug/l	98
5) Bromomethane	1.856	94	43576	2.314	ug/l	98
6) Chloroethane	1.930	64	35192	2.124	ug/l	99
7) Trichlorofluoromethane	2.136	101	93610	2.075	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	61790	2.054	ug/l	95
9) 1,1-Dichloroethene	2.579	96	59660	2.127	ug/l	88
10) Iodomethane	2.718	142	81352	1.946	ug/l	97
11) Allyl Chloride	2.920	41	77499	2.125	ug/l	96
12) Acrylonitrile	3.325	53	22064	4.186	ug/l	98
13) Acetone	2.634	43	103476	9.201	ug/l	98
14) Carbon Disulfide	2.792	76	190296	2.078	ug/l	99
15) Methylene Chloride	3.042	84	80306	2.427	ug/l	91
16) trans-1,2-Dichloroethene	3.351	96	63249	2.127	ug/l	96
17) 1,1-Dichloroethane	3.866	63	119852	2.167	ug/l	99
18) 2-Butanone	4.711	43	109226	9.015	ug/l	96
19) Cyclohexane	5.386	56	96243m	2.040	ug/l	
20) Methylcyclohexane	6.759	83	98444	2.009	ug/l	98
21) 2,2-Dichloropropane	4.660	77	96943	2.082	ug/l	99
22) cis-1,2-Dichloroethene	4.666	96	67940	2.144	ug/l	97
23) Diethyl Ether	2.374	59	35304	2.105	ug/l	96
24) tert-Butyl Alcohol	3.213	59	36671m	21.319	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	130978	2.170	ug/l	98
26) Bromochloromethane	4.972	128	29621	2.205	ug/l	96
27) Chloroform	5.084	83	121303	2.138	ug/l	98
28) 1,1,1-Trichloroethane	5.312	97	111148	2.186	ug/l	95
29) 1,1-Dichloropropene	5.525	75	85352	2.119	ug/l	97
30) Carbon Tetrachloride	5.521	117	93232	2.100	ug/l	99
31) Isopropyl Ether	3.988	45	162339	2.185	ug/l	94
32) Ethyl-t-butyl ether	4.496	59	153760	2.144	ug/l	97
33) Tert-Amyl methyl ether	5.936	73	129179	2.102	ug/l	97
34) Propionitrile	4.788	54	20994	10.952	ug/l #	7
35) Benzene	5.772	78	264470	2.167	ug/l	98
36) 1,2-Dichloroethane	5.792	62	71625	2.162	ug/l	100
37) Trichloroethene	6.541	130	68481	2.157	ug/l	95
38) 1,2-Dichloropropane	6.788	63	70446	2.211	ug/l	98
39) Methacrylonitrile	4.978	41	15493	2.168	ug/l	92
40) Methyl acrylate	4.853	55	22686	2.011	ug/l #	96
41) Tetrahydrofuran	5.065	42	17021	4.203	ug/l	92
42) 1-Chlorobutane	5.454	56	112236	2.090	ug/l	97
43) Dibromomethane	6.917	93	32737	2.162	ug/l	99
44) Bromodichloromethane	7.103	83	86051	2.150	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	159562	10.187	ug/l	98
46) t-1,4-Dichloro-2-butene	10.830	75	25167m	4.039	ug/l	
47) Methyl methacrylate	6.959	69	53112	4.251	ug/l	95
48) Ethyl methacrylate	8.335	69	49022	2.127	ug/l	98
49) Toluene	7.968	92	153900	2.131	ug/l	98
50) t-1,3-Dichloropropene	8.209	75	75049	2.119	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	92752	2.140	ug/l	97
52) 1,1,2-Trichloroethane	8.399	97	47441	2.193	ug/l	97
53) 1,3-Dichloropropane	8.573	76	80242	2.170	ug/l	100
54) 2-Hexanone	8.685	43	154215	8.788	ug/l	99
55) Dibromochloromethane	8.807	129	54862	2.101	ug/l	97
56) 1,2-Dibromoethane	8.923	107	43161	2.184	ug/l	97
58) Tetrachloroethene	8.550	164	69380	2.102	ug/l	94
59) Chlorobenzene	9.444	112	170152	2.133	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.531	131	59471	2.092	ug/l	98
61) Pentachloroethane	11.425	117	41674	2.166	ug/l	96
62) Hexachloroethane	12.473	117	40367	2.105	ug/l	97
63) Ethyl Benzene	9.570	91	283446	2.094	ug/l	100
64) m/p-Xylenes	9.692	106	218836	4.206	ug/l	97
65) o-Xylene	10.097	106	109031	2.136	ug/l	96
66) Styrene	10.113	104	172217	2.157	ug/l	97
67) Bromoform	10.287	173	30116	2.147	ug/l	98
69) Isopropylbenzene	10.483	105	277374	2.110	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	54792	2.166	ug/l	97
71) 1,2,3-Trichloropropane	10.820	75	41067m	1.959	ug/l	
72) Bromobenzene	10.778	156	65769	2.097	ug/l	96
73) n-propylbenzene	10.904	120	71336	2.092	ug/l	92
74) 2-Chlorotoluene	10.984	126	67177	2.132	ug/l	92
75) 1,3,5-Trimethylbenzene	11.084	105	240170	2.123	ug/l	97
76) 4-Chlorotoluene	11.097	126	69750	2.172	ug/l	97
77) tert-Butylbenzene	11.418	119	213594	2.103	ug/l	98
78) 1,2,4-Trimethylbenzene	11.467	105	232062	2.073	ug/l	99
79) sec-Butylbenzene	11.640	105	253179	1.988	ug/l	98
80) Nitrobenzene	13.219	77	5707	9.130	ug/l	95
81) p-Isopropyltoluene	11.791	119	200074	1.968	ug/l	99
82) 1,3-Dichlorobenzene	11.743	146	136464	2.132	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	134761	2.175	ug/l	99
84) n-Butylbenzene	12.206	91	164932	1.925	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	125953	2.153	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.997	75	7470	2.069	ug/l	96
87) 1,2,4-Trichlorobenzene	13.839	180	62526	1.991	ug/l	99
88) Hexachlorobutadiene	14.020	225	40977	1.856	ug/l	99
89) Naphthalene	14.087	128	89792	2.049	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	55026	2.037	ug/l	98

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

