

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042123\
 Data File : VU053823.D
 Acq On : 21 Apr 2023 14:05
 Operator : JC/MD
 Sample : VU0421WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0421WBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/28/2023
 Supervised By :Mahesh Dadoda 04/28/2023

Quant Time: Apr 22 03:18:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 21 09:18:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.111	96	33779	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	12551	0.947	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.188	152	14375	0.913	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	20277	1.980	ug/l	99
3) Chloromethane	1.520	50	17193	1.864	ug/l	99
4) Vinyl Chloride	1.604	62	20804	1.951	ug/l	97
5) Bromomethane	1.858	94	14483	1.805	ug/l	98
6) Chloroethane	1.935	64	14002	2.051	ug/l	98
7) Trichlorofluoromethane	2.137	101	35731	1.995	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	21196	1.818	ug/l	91
9) 1,1-Dichloroethene	2.581	96	15327	1.606	ug/l	87
10) Iodomethane	2.723	142	17446	1.678	ug/l	99
11) Allyl Chloride	2.922	41	17709	1.562	ug/l	89
12) Acrylonitrile	3.324	53	6858	2.876	ug/l	# 92
13) Acetone	2.645	43	14670	4.401	ug/l	95
14) Carbon Disulfide	2.793	76	26160	1.669	ug/l	100
15) Methylene Chloride	3.044	84	22429	1.604	ug/l	90
16) trans-1,2-Dichloroethene	3.353	96	17181	1.665	ug/l	95
17) 1,1-Dichloroethane	3.867	63	36798	1.729	ug/l	99
18) 2-Butanone	4.719	43	21007	4.861	ug/l	97
19) Cyclohexane	5.385	56	22563m	1.532	ug/l	
20) Methylcyclohexane	6.761	83	28127	2.129	ug/l	90
21) 2,2-Dichloropropane	4.658	77	31592	1.633	ug/l	100
22) cis-1,2-Dichloroethene	4.665	96	22288	1.726	ug/l	93
23) Diethyl Ether	2.375	59	13740	1.953	ug/l	93
24) tert-Butyl Alcohol	3.240	59	15286m	15.954	ug/l	
25) Methyl tert-Butyl Ether	3.362	73	43187	1.622	ug/l	98
26) Bromochloromethane	4.970	128	9354	1.638	ug/l	88
27) Chloroform	5.083	83	41414	1.802	ug/l	98
28) 1,1,1-Trichloroethane	5.311	97	34120	1.791	ug/l	96
29) 1,1-Dichloropropene	5.526	75	23927	1.973	ug/l	99
30) Carbon Tetrachloride	5.520	117	27642	2.027	ug/l	96
31) Isopropyl Ether	3.986	45	48844	1.587	ug/l	91
32) Ethyl-t-butyl ether	4.497	59	49673	1.595	ug/l	95
33) Tert-Amyl methyl ether	5.935	73	44967	1.976	ug/l	98
34) Propionitrile	4.796	54	7141	7.390	ug/l	# 7
35) Benzene	5.774	78	77666	2.079	ug/l	96
36) 1,2-Dichloroethane	5.790	62	22432	1.912	ug/l	97
37) Trichloroethene	6.542	130	23040	2.173	ug/l	85
38) 1,2-Dichloropropane	6.787	63	22125	2.081	ug/l	97
39) Methacrylonitrile	4.976	41	4330	1.123	ug/l	# 82
40) Methyl acrylate	4.854	55	6969	1.095	ug/l	# 89
41) Tetrahydrofuran	5.063	42	5171m	2.706	ug/l	
42) 1-Chlorobutane	5.452	56	31457	1.901	ug/l	95
43) Dibromomethane	6.915	93	10846	2.011	ug/l	96
44) Bromodichloromethane	7.102	83	27358	2.013	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.790	43	49615	9.047	ug/l #	93
46) t-1,4-Dichloro-2-butene	10.832	75	8270m	3.632	ug/l	
47) Methyl methacrylate	6.960	69	17760	3.750	ug/l	94
48) Ethyl methacrylate	8.330	69	16923	1.823	ug/l	91
49) Toluene	7.967	92	47992	2.039	ug/l	100
50) t-1,3-Dichloropropene	8.208	75	24341	1.993	ug/l	97
51) cis-1,3-Dichloropropene	7.607	75	28435	1.950	ug/l	96
52) 1,1,2-Trichloroethane	8.398	97	16855	1.970	ug/l	97
53) 1,3-Dichloropropane	8.571	76	27048	2.019	ug/l	100
54) 2-Hexanone	8.684	43	36110	7.021	ug/l	97
55) Dibromochloromethane	8.806	129	16760	1.863	ug/l	93
56) 1,2-Dibromoethane	8.918	107	15038	2.038	ug/l	97
58) Tetrachloroethene	8.549	164	20721	2.021	ug/l	97
59) Chlorobenzene	9.443	112	60765	2.075	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.529	131	21282	2.016	ug/l	97
61) Pentachloroethane	11.420	117	15103	1.855	ug/l	94
62) Hexachloroethane	12.471	117	14899	1.874	ug/l	99
63) Ethyl Benzene	9.565	91	94172	2.037	ug/l	99
64) m/p-Xylenes	9.690	106	73810	4.052	ug/l	94
65) o-Xylene	10.098	106	36865	2.007	ug/l	100
66) Styrene	10.111	104	56922	1.949	ug/l	99
67) Bromoform	10.285	173	8552	1.829	ug/l	98
69) Isopropylbenzene	10.478	105	97721	2.036	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.777	83	19150	1.738	ug/l	94
71) 1,2,3-Trichloropropane	10.819	75	9588m	1.206	ug/l	
72) Bromobenzene	10.780	156	24168	1.963	ug/l	89
73) n-propylbenzene	10.899	120	28195	2.117	ug/l	84
74) 2-Chlorotoluene	10.983	126	24908	1.979	ug/l	87
75) 1,3,5-Trimethylbenzene	11.082	105	82263	1.964	ug/l	99
76) 4-Chlorotoluene	11.095	126	26523	2.067	ug/l	85
77) tert-Butylbenzene	11.417	119	80491	1.910	ug/l	99
78) 1,2,4-Trimethylbenzene	11.462	105	85520	2.001	ug/l	98
79) sec-Butylbenzene	11.639	105	111681	1.972	ug/l	95
80) Nitrobenzene	13.208	77	2499	7.161	ug/l #	95
81) p-Isopropyltoluene	11.790	119	91132	1.964	ug/l	97
82) 1,3-Dichlorobenzene	11.741	146	51099	1.941	ug/l	99
83) 1,4-Dichlorobenzene	11.832	146	52404	1.997	ug/l	98
84) n-Butylbenzene	12.204	91	84890	2.112	ug/l	98
85) 1,2-Dichlorobenzene	12.208	146	49281	1.914	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	2646	1.706	ug/l	92
87) 1,2,4-Trichlorobenzene	13.835	180	31350	1.842	ug/l	100
88) Hexachlorobutadiene	14.015	225	16777	1.848	ug/l	98
89) Naphthalene	14.082	128	51819	1.738	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	27274	1.686	ug/l	99

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

