

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022322\
 Data File : VU047243.D
 Acq On : 23 Feb 2022 11:25
 Operator : SY/MD
 Sample : VU0223WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0223WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/24/2022
 Supervised By : Mahesh Dadoda 02/24/2022

Quant Time: Feb 24 05:57:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 15 03:17:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	50339	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	18458	0.947	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	19678	0.969	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	29805	1.776	ug/l	99
3) Chloromethane	1.533	50	37445	2.172	ug/l	99
4) Vinyl Chloride	1.607	62	29453	1.731	ug/l	99
5) Bromomethane	1.861	94	14431	1.298	ug/l	96
6) Chloroethane	1.938	64	17138	1.753	ug/l	100
7) Trichlorofluoromethane	2.144	101	37887	1.889	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	22377	1.936	ug/l	94
9) 1,1-Dichloroethene	2.588	96	22375	1.880	ug/l	94
10) Iodomethane	2.726	142	15651	1.906	ug/l	99
11) Allyl Chloride	2.928	41	31467	1.697	ug/l	96
12) Acrylonitrile	3.317	53	12132	3.474	ug/l	91
13) Acetone	2.626	43	22740	13.829	ug/l	98
14) Carbon Disulfide	2.800	76	71071	1.766	ug/l	97
15) Methylene Chloride	3.051	84	25841	1.934	ug/l	94
16) trans-1,2-Dichloroethene	3.356	96	24419	1.945	ug/l	92
17) 1,1-Dichloroethane	3.877	63	40402	1.756	ug/l	99
18) 2-Butanone	4.713	43	33979	9.658	ug/l	98
19) Cyclohexane	5.391	56	35462m	1.664	ug/l	
20) Methylcyclohexane	6.764	83	39679	1.689	ug/l	98
21) 2,2-Dichloropropane	4.671	77	36448	1.773	ug/l	96
22) cis-1,2-Dichloroethene	4.674	96	25876	1.792	ug/l	93
23) Diethyl Ether	2.382	59	17300	1.799	ug/l	98
24) tert-Butyl Alcohol	3.182	59	21998	35.173	ug/l #	92
25) Methyl tert-Butyl Ether	3.372	73	59911	1.796	ug/l	99
26) Bromochloromethane	4.980	128	12179	1.875	ug/l	87
27) Chloroform	5.092	83	42723	1.830	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	36848	1.823	ug/l	97
29) 1,1-Dichloropropene	5.530	75	32604	1.762	ug/l	96
30) Carbon Tetrachloride	5.530	117	31674	1.782	ug/l	97
31) Isopropyl Ether	3.999	45	62219	1.691	ug/l	97
32) Ethyl-t-butyl ether	4.510	59	64665	1.729	ug/l	96
33) Tert-Amyl methyl ether	5.944	73	58944	1.711	ug/l	98
34) Propionitrile	4.780	54	10079	11.892	ug/l #	85
35) Benzene	5.777	78	93646	1.806	ug/l	99
36) 1,2-Dichloroethane	5.800	62	28308	1.803	ug/l	99
37) Trichloroethene	6.546	130	26601	1.853	ug/l	97
38) 1,2-Dichloropropane	6.796	63	24530	1.788	ug/l	99
39) Methacrylonitrile	4.983	41	8327	1.761	ug/l	99
40) Methyl acrylate	4.854	55	13675	1.711	ug/l	97
41) Tetrahydrofuran	5.067	42	8892	3.691	ug/l	97
42) 1-Chlorobutane	5.462	56	43526	1.752	ug/l	98
43) Dibromomethane	6.922	93	13112	1.772	ug/l	92
44) Bromodichloromethane	7.108	83	30903	1.766	ug/l #	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	77104	7.704	ug/l	98
46) t-1,4-Dichloro-2-butene	10.835	75	13819m	3.172	ug/l	
47) Methyl methacrylate	6.964	69	25739	3.317	ug/l	93
48) Ethyl methacrylate	8.337	69	24808	1.577	ug/l	95
49) Toluene	7.973	92	59525	1.780	ug/l	99
50) t-1,3-Dichloropropene	8.214	75	31468	1.661	ug/l	92
51) cis-1,3-Dichloropropene	7.610	75	35194	1.657	ug/l	99
52) 1,1,2-Trichloroethane	8.404	97	18251	1.729	ug/l	99
53) 1,3-Dichloropropane	8.578	76	31712	1.681	ug/l	97
54) 2-Hexanone	8.687	43	55201	7.404	ug/l	100
55) Dibromochloromethane	8.812	129	20705	1.613	ug/l	99
56) 1,2-Dibromoethane	8.925	107	17782	1.667	ug/l	95
58) Tetrachloroethene	8.555	164	22931	1.731	ug/l	96
59) Chlorobenzene	9.449	112	65424	1.754	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.536	131	22822	1.781	ug/l	99
61) Pentachloroethane	11.430	117	18098	1.860	ug/l	86
62) Hexachloroethane	12.478	117	17406	1.657	ug/l #	76
63) Ethyl Benzene	9.571	91	114009	1.739	ug/l	100
64) m/p-Xylenes	9.697	106	87213	3.490	ug/l	95
65) o-Xylene	10.102	106	42084	1.739	ug/l	97
66) Styrene	10.115	104	69926	1.702	ug/l	97
67) Bromoform	10.291	173	12463	1.532	ug/l #	98
69) Isopropylbenzene	10.484	105	112195	1.723	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.783	83	23638	1.656	ug/l	97
71) 1,2,3-Trichloropropane	10.828	75	17131m	1.422	ug/l	
72) Bromobenzene	10.783	156	28502	1.793	ug/l	83
73) n-propylbenzene	10.909	120	31214	1.742	ug/l	88
74) 2-Chlorotoluene	10.989	126	27338	1.789	ug/l	80
75) 1,3,5-Trimethylbenzene	11.089	105	93452	1.750	ug/l	99
76) 4-Chlorotoluene	11.098	126	28975	1.805	ug/l	77
77) tert-Butylbenzene	11.420	119	95080	1.775	ug/l	94
78) 1,2,4-Trimethylbenzene	11.468	105	94695	1.738	ug/l	97
79) sec-Butylbenzene	11.645	105	125380	1.763	ug/l	99
80) Nitrobenzene	13.208	77	2583	3.748	ug/l #	93
81) p-Isopropyltoluene	11.793	119	103954	1.727	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	54834	1.772	ug/l	96
83) 1,4-Dichlorobenzene	11.838	146	55906	1.793	ug/l	97
84) n-Butylbenzene	12.211	91	101685	1.759	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	52583	1.765	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.999	75	4146	1.584	ug/l #	76
87) 1,2,4-Trichlorobenzene	13.841	180	43071	1.841	ug/l	98
88) Hexachlorobutadiene	14.024	225	22178	1.854	ug/l	98
89) Naphthalene	14.089	128	78871	1.646	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	38401	1.830	ug/l	98

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

