

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032122\
 Data File : VU047627.D
 Acq On : 21 Mar 2022 12:09
 Operator : SY/MD
 Sample : VU0321WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0321WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 04/01/2022

Quant Time: Mar 22 01:47:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 18 13:19:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	30341	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	10962	0.969	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	13446	0.981	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	22388	2.043	ug/l	98
3) Chloromethane	1.527	50	23450	2.190	ug/l	100
4) Vinyl Chloride	1.607	62	21681	2.086	ug/l	99
5) Bromomethane	1.864	94	11932	1.958	ug/l	97
6) Chloroethane	1.938	64	13529	2.177	ug/l	99
7) Trichlorofluoromethane	2.144	101	29622	2.062	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	17075	2.080	ug/l	89
9) 1,1-Dichloroethene	2.588	96	16826	2.074	ug/l	88
10) Iodomethane	2.729	142	8914	2.972	ug/l	98
11) Allyl Chloride	2.928	41	22719	2.227	ug/l	99
12) Acrylonitrile	3.333	53	8161	4.558	ug/l	94
13) Acetone	2.655	43	12338	10.131	ug/l	94
14) Carbon Disulfide	2.800	76	54261	2.116	ug/l	100
15) Methylene Chloride	3.054	84	20747	1.751	ug/l	92
16) trans-1,2-Dichloroethene	3.356	96	18040	2.114	ug/l	94
17) 1,1-Dichloroethane	3.874	63	32156	2.221	ug/l	99
18) 2-Butanone	4.732	43	17845	9.408	ug/l	95
19) Cyclohexane	5.391	56	22685m	2.088	ug/l	
20) Methylcyclohexane	6.767	83	25146	2.018	ug/l	97
21) 2,2-Dichloropropane	4.671	77	27552	2.164	ug/l	97
22) cis-1,2-Dichloroethene	4.674	96	20147	2.174	ug/l	90
23) Diethyl Ether	2.382	59	12575	2.121	ug/l	92
24) tert-Butyl Alcohol	3.276	59	5548m	13.568	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	43745	2.215	ug/l	100
26) Bromochloromethane	4.980	128	10161	2.168	ug/l	83
27) Chloroform	5.092	83	34795	2.223	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	29203	2.149	ug/l	96
29) 1,1-Dichloropropene	5.530	75	23999	2.179	ug/l	97
30) Carbon Tetrachloride	5.526	117	26221	2.165	ug/l	99
31) Isopropyl Ether	4.002	45	44379	2.308	ug/l	95
32) Ethyl-t-butyl ether	4.510	59	42526	2.191	ug/l	94
33) Tert-Amyl methyl ether	5.948	73	39762	2.180	ug/l	98
34) Propionitrile	4.813	54	5219	9.184	ug/l #	93
35) Benzene	5.777	78	72234	2.192	ug/l	100
36) 1,2-Dichloroethane	5.800	62	22193	2.226	ug/l	100
37) Trichloroethene	6.546	130	20522	2.155	ug/l	87
38) 1,2-Dichloropropane	6.793	63	19172	2.259	ug/l	99
39) Methacrylonitrile	4.989	41	5358	2.255	ug/l #	92
40) Methyl acrylate	4.861	55	8666	2.158	ug/l #	95
41) Tetrahydrofuran	5.079	42	4519	3.748	ug/l #	71
42) 1-Chlorobutane	5.462	56	30478	2.147	ug/l	100
43) Dibromomethane	6.922	93	11110	2.184	ug/l #	83
44) Bromodichloromethane	7.108	83	25129	2.130	ug/l #	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	59894	11.778	ug/l	99
46) t-1,4-Dichloro-2-butene	10.838	75	9509m	4.305	ug/l	
47) Methyl methacrylate	6.967	69	19106	4.644	ug/l	91
48) Ethyl methacrylate	8.337	69	16818	2.169	ug/l	92
49) Toluene	7.970	92	44471	2.196	ug/l	98
50) t-1,3-Dichloropropene	8.214	75	23767	2.174	ug/l	97
51) cis-1,3-Dichloropropene	7.610	75	25677	2.133	ug/l	94
52) 1,1,2-Trichloroethane	8.404	97	16500	2.331	ug/l	98
53) 1,3-Dichloropropane	8.578	76	26463	2.296	ug/l	98
54) 2-Hexanone	8.693	43	43301	11.663	ug/l	97
55) Dibromochloromethane	8.812	129	19330	2.162	ug/l	99
56) 1,2-Dibromoethane	8.928	107	16114	2.287	ug/l	97
58) Tetrachloroethene	8.555	164	18274	2.081	ug/l	95
59) Chlorobenzene	9.449	112	51158	2.167	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	19933	2.175	ug/l	100
61) Pentachloroethane	11.430	117	16217	2.091	ug/l	83
62) Hexachloroethane	12.475	117	15489	2.012	ug/l #	68
63) Ethyl Benzene	9.571	91	76430	2.067	ug/l	98
64) m/p-Xylenes	9.697	106	63014	4.295	ug/l	91
65) o-Xylene	10.102	106	29506	2.125	ug/l	97
66) Styrene	10.115	104	50382	2.104	ug/l	95
67) Bromoform	10.291	173	13537	2.275	ug/l #	95
69) Isopropylbenzene	10.484	105	77866	2.118	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.787	83	21228	2.252	ug/l	99
71) 1,2,3-Trichloropropane	10.828	75	14368m	1.931	ug/l	
72) Bromobenzene	10.783	156	24198	2.195	ug/l	78
73) n-propylbenzene	10.909	120	22184	2.079	ug/l	84
74) 2-Chlorotoluene	10.989	126	21418	2.186	ug/l	78
75) 1,3,5-Trimethylbenzene	11.089	105	66689	2.110	ug/l	98
76) 4-Chlorotoluene	11.098	126	22796	2.187	ug/l	72
77) tert-Butylbenzene	11.423	119	66640	2.081	ug/l	91
78) 1,2,4-Trimethylbenzene	11.468	105	66779	2.071	ug/l	96
79) sec-Butylbenzene	11.645	105	87043	2.086	ug/l	97
80) Nitrobenzene	13.211	77	3836	9.965	ug/l #	98
81) p-Isopropyltoluene	11.793	119	71613	2.063	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	47479	2.181	ug/l	97
83) 1,4-Dichlorobenzene	11.838	146	47932	2.189	ug/l	97
84) n-Butylbenzene	12.208	91	68350	2.110	ug/l	94
85) 1,2-Dichlorobenzene	12.214	146	45626	2.181	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.999	75	3432	2.159	ug/l #	75
87) 1,2,4-Trichlorobenzene	13.841	180	31481	2.108	ug/l	96
88) Hexachlorobutadiene	14.021	225	18657	2.081	ug/l	99
89) Naphthalene	14.089	128	50182	1.978	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	30188	2.144	ug/l	97

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

