

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081022\
 Data File : VU050213.D
 Acq On : 10 Aug 2022 11:26
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/11/2022
 Supervised By : Mahesh Dadoda 08/11/2022

Quant Time: Aug 10 11:44:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081022DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Aug 10 09:58:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	31892	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	12025	1.029	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	11815	1.099	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	218426	17.884	ug/l	100
3) Chloromethane	1.517	50	257582	20.619	ug/l	100
4) Vinyl Chloride	1.601	62	243169	21.349	ug/l	99
5) Bromomethane	1.855	94	79388	13.365	ug/l	98
6) Chloroethane	1.932	64	141534	22.188	ug/l	100
7) Trichlorofluoromethane	2.134	101	262553	19.233	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.575	101	141327	19.702	ug/l	98
9) 1,1-Dichloroethene	2.575	96	156938	21.703	ug/l	93
10) Iodomethane	2.720	142	163897	17.868	ug/l	94
11) Allyl Chloride	2.922	41	235369	19.087	ug/l	96
12) Acrylonitrile	3.327	53	90962	47.050	ug/l	99
13) Acetone	2.655	43	159830	104.773	ug/l	93
14) Carbon Disulfide	2.787	76	561209	23.572	ug/l	99
15) Methylene Chloride	3.044	84	200130	22.100	ug/l	91
16) trans-1,2-Dichloroethene	3.350	96	183161	24.120	ug/l	92
17) 1,1-Dichloroethane	3.867	63	338639	21.566	ug/l	100
18) 2-Butanone	4.719	43	278182	106.985	ug/l	99
19) Cyclohexane	5.388	56	257684m	17.171	ug/l	
20) Methylcyclohexane	6.764	83	267750	18.099	ug/l	98
21) 2,2-Dichloropropane	4.665	77	232302	18.078	ug/l	98
22) cis-1,2-Dichloroethene	4.665	96	208638	22.278	ug/l	95
23) Diethyl Ether	2.376	59	142686	23.163	ug/l	98
24) tert-Butyl Alcohol	3.250	59	125096	177.994	ug/l	# 88
25) Methyl tert-Butyl Ether	3.366	73	451553	22.332	ug/l	95
26) Bromochloromethane	4.973	128	92173	23.378	ug/l	96
27) Chloroform	5.089	83	343192	22.210	ug/l	97
28) 1,1,1-Trichloroethane	5.318	97	276975	20.325	ug/l	99
29) 1,1-Dichloropropene	5.527	75	244384	20.081	ug/l	99
30) Carbon Tetrachloride	5.523	117	228816	19.941	ug/l	98
31) Isopropyl Ether	3.993	45	526017	19.533	ug/l	98
32) Ethyl-t-butyl ether	4.504	59	500912	19.652	ug/l	98
33) Tert-Amyl methyl ether	5.941	73	450319	20.320	ug/l	99
34) Propionitrile	4.797	54	94129	126.248	ug/l	# 92
35) Benzene	5.774	78	780416	22.505	ug/l	98
36) 1,2-Dichloroethane	5.793	62	216205	21.927	ug/l	99
37) Trichloroethene	6.543	130	181557	20.716	ug/l	100
38) 1,2-Dichloropropane	6.790	63	207524	22.604	ug/l	100
39) Methacrylonitrile	4.977	41	65137	20.391	ug/l	92
40) Methyl acrylate	4.848	55	124052	24.797	ug/l	98
41) Tetrahydrofuran	5.064	42	72615	38.453	ug/l	95
42) 1-Chlorobutane	5.459	56	343214	20.111	ug/l	95
43) Dibromomethane	6.919	93	108061	23.622	ug/l	98
44) Bromodichloromethane	7.105	83	255687	23.320	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.793	43	664708	107.064	ug/l	96
46) t-1,4-Dichloro-2-butene	10.835	75	99323m	49.160	ug/l	
47) Methyl methacrylate	6.961	69	218700	47.414	ug/l	91
48) Ethyl methacrylate	8.333	69	210876	22.788	ug/l	92
49) Toluene	7.970	92	478284	22.586	ug/l	99
50) t-1,3-Dichloropropene	8.211	75	245326	23.165	ug/l	98
51) cis-1,3-Dichloropropene	7.607	75	285629	22.758	ug/l	94
52) 1,1,2-Trichloroethane	8.401	97	153478	24.311	ug/l	99
53) 1,3-Dichloropropane	8.575	76	265352	23.418	ug/l	100
54) 2-Hexanone	8.687	43	465769	108.021	ug/l	95
55) Dibromochloromethane	8.809	129	174670	24.221	ug/l	99
56) 1,2-Dibromoethane	8.925	107	145930	23.870	ug/l	99
58) Tetrachloroethene	8.552	164	150669	20.675	ug/l	99
59) Chlorobenzene	9.446	112	496723	22.421	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.533	131	181870	23.080	ug/l	98
61) Pentachloroethane	11.430	117	150678	24.905	ug/l	96
62) Hexachloroethane	12.475	117	130702	21.568	ug/l	99
63) Ethyl Benzene	9.571	91	894360	22.430	ug/l	100
64) m/p-Xylenes	9.694	106	681679	46.215	ug/l	98
65) o-Xylene	10.102	106	332473	22.934	ug/l	98
66) Styrene	10.115	104	560704	24.074	ug/l	98
67) Bromoform	10.292	173	103700	25.201	ug/l	100
69) Isopropylbenzene	10.485	105	840091	21.697	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.784	83	206018	25.119	ug/l	99
71) 1,2,3-Trichloropropane	10.825	75	149285m	21.985	ug/l	
72) Bromobenzene	10.784	156	204252	23.409	ug/l	99
73) n-propylbenzene	10.906	120	222056	22.725	ug/l	100
74) 2-Chlorotoluene	10.986	126	203821	23.395	ug/l	97
75) 1,3,5-Trimethylbenzene	11.089	105	729979	22.552	ug/l	99
76) 4-Chlorotoluene	11.099	126	210192	24.056	ug/l	89
77) tert-Butylbenzene	11.420	119	700054	21.964	ug/l	97
78) 1,2,4-Trimethylbenzene	11.468	105	748828	23.044	ug/l	99
79) sec-Butylbenzene	11.645	105	888949	21.264	ug/l	99
80) Nitrobenzene	13.205	77	48028	143.143	ug/l	99
81) p-Isopropyltoluene	11.793	119	723911	21.346	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	388320	23.006	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	383741	22.530	ug/l	99
84) n-Butylbenzene	12.208	91	624073	19.760	ug/l	99
85) 1,2-Dichlorobenzene	12.214	146	380070	23.243	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.996	75	34288	23.972	ug/l	100
87) 1,2,4-Trichlorobenzene	13.841	180	240630	21.814	ug/l	99
88) Hexachlorobutadiene	14.021	225	123082	21.893	ug/l	99
89) Naphthalene	14.086	128	541340	23.405	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	240151	22.798	ug/l	99

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

