

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021422\
 Data File : VU047130.D
 Acq On : 14 Feb 2022 12:40
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Mahesh Dadoda 02/16/2022

Quant Time: Feb 14 13:58:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Feb 14 13:25:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	55734	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	21956	1.017	ug/l	0.00
Spiked Amount	1.000		Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	23602	1.050	ug/l	0.00
Spiked Amount	1.000		Recovery	=	105.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	409710	22.048	ug/l	99
3) Chloromethane	1.533	50	411509	21.561	ug/l	99
4) Vinyl Chloride	1.610	62	409255	21.721	ug/l	99
5) Bromomethane	1.864	94	239662	19.471	ug/l	99
6) Chloroethane	1.941	64	233994	21.617	ug/l	99
7) Trichlorofluoromethane	2.147	101	482181	21.712	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	272159	21.262	ug/l	94
9) 1,1-Dichloroethene	2.588	96	274493	20.836	ug/l	98
10) Iodomethane	2.732	142	331842	20.152	ug/l	99
11) Allyl Chloride	2.932	41	435799	21.223	ug/l	92
12) Acrylonitrile	3.334	53	160981	41.633	ug/l	93
13) Acetone	2.658	43	313703	100.228	ug/l	96
14) Carbon Disulfide	2.803	76	944029	21.186	ug/l	100
15) Methylene Chloride	3.054	84	301531	20.380	ug/l	98
16) trans-1,2-Dichloroethene	3.359	96	294581	21.188	ug/l	99
17) 1,1-Dichloroethane	3.877	63	537525	21.101	ug/l	99
18) 2-Butanone	4.729	43	502432	128.981	ug/l	100
19) Cyclohexane	5.395	56	498021m	21.069	ug/l	
20) Methylcyclohexane	6.768	83	560790	21.558	ug/l	97
21) 2,2-Dichloropropane	4.671	77	484994	21.304	ug/l	97
22) cis-1,2-Dichloroethene	4.674	96	333552	20.860	ug/l	97
23) Diethyl Ether	2.382	59	232802	21.866	ug/l	98
24) tert-Butyl Alcohol	3.324	59	120716m	174.334	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	781660	21.158	ug/l	97
26) Bromochloromethane	4.980	128	154598	21.500	ug/l	92
27) Chloroform	5.096	83	537089	20.778	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	476123	21.276	ug/l	97
29) 1,1-Dichloropropene	5.530	75	439561	21.457	ug/l	98
30) Carbon Tetrachloride	5.530	117	422374	21.468	ug/l	99
31) Isopropyl Ether	4.002	45	880896	21.620	ug/l	97
32) Ethyl-t-butyl ether	4.510	59	908992	21.947	ug/l	98
33) Tert-Amyl methyl ether	5.944	73	845317	22.159	ug/l	99
34) Propionitrile	4.809	54	152357	100.299	ug/l	# 1
35) Benzene	5.777	78	1227704	21.386	ug/l	100
36) 1,2-Dichloroethane	5.800	62	373340	21.480	ug/l	100
37) Trichloroethene	6.546	130	336041	21.143	ug/l	95
38) 1,2-Dichloropropane	6.796	63	327960	21.588	ug/l	99
39) Methacrylonitrile	4.983	41	119476	22.819	ug/l	99
40) Methyl acrylate	4.854	55	228527	25.821	ug/l	99
41) Tetrahydrofuran	5.073	42	127105	47.655	ug/l	98
42) 1-Chlorobutane	5.465	56	587591	21.363	ug/l	98
43) Dibromomethane	6.922	93	173820	21.217	ug/l	91
44) Bromodichloromethane	7.108	83	415351	21.436	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	1215943	109.737	ug/l	99
46) t-1,4-Dichloro-2-butene	10.841	75	264204m	58.909	ug/l	
47) Methyl methacrylate	6.964	69	371352	43.220	ug/l	96
48) Ethyl methacrylate	8.337	69	388332	22.296	ug/l	95
49) Toluene	7.973	92	801364	21.641	ug/l	99
50) t-1,3-Dichloropropene	8.214	75	465077	22.175	ug/l	98
51) cis-1,3-Dichloropropene	7.610	75	514084	21.865	ug/l	97
52) 1,1,2-Trichloroethane	8.404	97	246935	21.126	ug/l	98
53) 1,3-Dichloropropane	8.578	76	441768	21.153	ug/l	99
54) 2-Hexanone	8.690	43	887483	107.508	ug/l	99
55) Dibromochloromethane	8.812	129	314104	22.103	ug/l	99
56) 1,2-Dibromoethane	8.928	107	253161	21.430	ug/l	98
58) Tetrachloroethene	8.555	164	307268	20.951	ug/l	98
59) Chlorobenzene	9.449	112	893271	21.635	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.536	131	316194	22.282	ug/l	99
61) Pentachloroethane	11.430	117	249375	23.149	ug/l	83
62) Hexachloroethane	12.478	117	278475	23.943	ug/l #	81
63) Ethyl Benzene	9.574	91	1576185	21.716	ug/l	98
64) m/p-Xylenes	9.697	106	1219924	44.095	ug/l	97
65) o-Xylene	10.102	106	592245	22.099	ug/l	96
66) Styrene	10.118	104	1018008	22.381	ug/l	98
67) Bromoform	10.295	173	204057	22.658	ug/l #	98
69) Isopropylbenzene	10.488	105	1587766	22.030	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.783	83	349952	22.144	ug/l	98
71) 1,2,3-Trichloropropane	10.835	75	255561m	18.521	ug/l	
72) Bromobenzene	10.783	156	387354	22.006	ug/l	88
73) n-propylbenzene	10.909	120	444783	22.416	ug/l	88
74) 2-Chlorotoluene	10.989	126	373900	22.104	ug/l	88
75) 1,3,5-Trimethylbenzene	11.089	105	1326991	22.450	ug/l	99
76) 4-Chlorotoluene	11.099	126	394006	22.171	ug/l	84
77) tert-Butylbenzene	11.423	119	1341594	22.620	ug/l	94
78) 1,2,4-Trimethylbenzene	11.468	105	1356595	22.489	ug/l	98
79) sec-Butylbenzene	11.645	105	1779176	22.590	ug/l	98
80) Nitrobenzene	13.208	77	98851	129.559	ug/l	95
81) p-Isopropyltoluene	11.796	119	1509095	22.645	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	760162	22.183	ug/l	98
83) 1,4-Dichlorobenzene	11.838	146	766653	22.209	ug/l	98
84) n-Butylbenzene	12.211	91	1472034	23.002	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	732771	22.215	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.999	75	63676	21.976	ug/l #	82
87) 1,2,4-Trichlorobenzene	13.841	180	584453	22.566	ug/l	99
88) Hexachlorobutadiene	14.021	225	302246	22.826	ug/l	98
89) Naphthalene	14.086	128	1160265	21.871	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	521447	22.446	ug/l	97

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

