

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081022\
 Data File : VU050214.D
 Acq On : 10 Aug 2022 12:23
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU081022

Quant Time: Aug 10 12:42:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081022DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Aug 10 12:01:51 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.115	96	33371	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	11591	1.013	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	11940	1.032	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	66179	5.505	ug/l	99
3) Chloromethane	1.517	50	104792	6.951	ug/l	99
4) Vinyl Chloride	1.601	62	102929	7.691	ug/l	98
5) Bromomethane	1.855	94	41787	10.370	ug/l	99
6) Chloroethane	1.932	64	65977	8.154	ug/l	99
7) Trichlorofluoromethane	2.134	101	120385	8.199	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	69247	8.878	ug/l	99
9) 1,1-Dichloroethene	2.578	96	76942	8.696	ug/l	92
10) Iodomethane	2.720	142	71750	9.723	ug/l	92
11) Allyl Chloride	2.922	41	120017	9.784	ug/l	95
12) Acrylonitrile	3.327	53	122701	52.286	ug/l	97
13) Acetone	2.658	43	81126	46.262	ug/l	92
14) Carbon Disulfide	2.790	76	261730	7.808	ug/l	100
15) Methylene Chloride	3.044	84	104185	7.861	ug/l	91
16) trans-1,2-Dichloroethene	3.353	96	91552	9.347	ug/l	92
17) 1,1-Dichloroethane	3.867	63	177378	9.592	ug/l	99
18) 2-Butanone	4.726	43	132760	46.763	ug/l	99
19) Cyclohexane	5.388	56	112493	9.099	ug/l	85
20) Methylcyclohexane	6.764	83	129558	10.669	ug/l	98
21) 2,2-Dichloropropane	4.665	77	126332	9.073	ug/l	98
22) cis-1,2-Dichloroethene	4.668	96	108345	9.810	ug/l	96
23) Diethyl Ether	2.376	59	71121	9.010	ug/l	99
24) tert-Butyl Alcohol	3.260	59	31603m	52.971	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	234441	10.322	ug/l	93
26) Bromochloromethane	4.977	128	206	0.040	ug/l	# 1
27) Chloroform	5.089	83	179528	9.421	ug/l	99
28) 1,1,1-Trichloroethane	5.317	97	138049	9.205	ug/l	99
29) 1,1-Dichloropropene	5.527	75	119477	9.599	ug/l	98
30) Carbon Tetrachloride	5.527	117	115319	9.358	ug/l	98
31) Isopropyl Ether	3.993	45	292732	11.688	ug/l	# 1
32) Ethyl-t-butyl ether	4.507	59	193m	0.008	ug/l	
34) Propionitrile	4.800	54	99638	117.130	ug/l	# 42
35) Benzene	5.774	78	400589	9.711	ug/l	99
36) 1,2-Dichloroethane	5.797	62	114204	9.586	ug/l	98
37) Trichloroethene	6.543	130	94282	9.630	ug/l	100
38) 1,2-Dichloropropane	6.793	63	105880	9.374	ug/l	96
39) Methacrylonitrile	4.980	41	33108	11.256	ug/l	89
40) Methyl acrylate	4.848	55	76775	12.587	ug/l	# 94
41) Tetrahydrofuran	5.067	42	96135	52.570	ug/l	95
42) 1-Chlorobutane	5.459	56	170606	9.824	ug/l	95
43) Dibromomethane	6.919	93	57587	9.845	ug/l	98
44) Bromodichloromethane	7.108	83	137322	9.999	ug/l	97
45) 4-Methyl-2-Pentanone	7.793	43	345092	53.170	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) t-1,4-Dichloro-2-butene	10.829	75	43457m	7.105	ug/l	
47) Methyl methacrylate	6.964	69	53375	10.508	ug/l	93
48) Ethyl methacrylate	8.337	69	106433	11.426	ug/l	91
49) Toluene	7.970	92	243309	10.435	ug/l	100
50) t-1,3-Dichloropropene	8.211	75	132265	10.999	ug/l	98
51) cis-1,3-Dichloropropene	7.610	75	154791	10.883	ug/l	93
52) 1,1,2-Trichloroethane	8.401	97	81966	9.823	ug/l	99
53) 1,3-Dichloropropane	8.578	76	138560	9.846	ug/l	99
54) 2-Hexanone	8.687	43	244675	53.433	ug/l	95
55) Dibromochloromethane	8.813	129	92027	9.924	ug/l	99
56) 1,2-Dibromoethane	8.925	107	79446	10.372	ug/l	99
58) Tetrachloroethene	8.555	164	79998	9.644	ug/l	98
59) Chlorobenzene	9.449	112	251118	10.145	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.536	131	94990	9.795	ug/l	97
61) Pentachloroethane	11.430	117	79595	10.114	ug/l	95
62) Hexachloroethane	12.478	117	64098	10.318	ug/l	98
63) Ethyl Benzene	9.571	91	448993	11.173	ug/l	100
64) m/p-Xylenes	9.694	106	349118	22.868	ug/l	100
65) o-Xylene	10.102	106	169367	11.358	ug/l	99
66) Styrene	10.115	104	285387	11.988	ug/l	98
67) Bromoform	10.292	173	55327	10.321	ug/l	99
69) Isopropylbenzene	10.485	105	428093	11.495	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.784	83	107964	9.618	ug/l	100
71) 1,2,3-Trichloropropane	10.825	75	71825m	8.715	ug/l	
72) Bromobenzene	10.784	156	106217	10.462	ug/l	99
73) n-propylbenzene	10.909	120	111255	12.030	ug/l	100
74) 2-Chlorotoluene	10.986	126	106623	11.231	ug/l	98
75) 1,3,5-Trimethylbenzene	11.089	105	377930	11.901	ug/l	99
76) 4-Chlorotoluene	11.099	126	107351	11.426	ug/l	91
77) tert-Butylbenzene	11.420	119	349725	11.103	ug/l	97
78) 1,2,4-Trimethylbenzene	11.468	105	378454	11.689	ug/l	99
79) sec-Butylbenzene	11.645	105	439217	11.479	ug/l	99
80) Nitrobenzene	13.211	77	5657	12.862	ug/l #	98
81) p-Isopropyltoluene	11.793	119	356064	11.740	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	206490	10.726	ug/l	100
83) 1,4-Dichlorobenzene	11.838	146	205225	10.974	ug/l	99
84) n-Butylbenzene	12.211	91	308467	11.697	ug/l	98
85) 1,2-Dichlorobenzene	12.214	146	201102	10.771	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	17279	10.030	ug/l	97
87) 1,2,4-Trichlorobenzene	13.841	180	128053	12.265	ug/l	99
88) Hexachlorobutadiene	14.021	225	64873	10.625	ug/l	99
89) Naphthalene	14.089	128	284605	13.209	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	125047	11.634	ug/l	99

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

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