

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031822\
 Data File : VU047612.D
 Acq On : 18 Mar 2022 11:51
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/31/2022
 Supervised By : Mahesh Dadoda 03/31/2022

Quant Time: Mar 18 12:30:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 18 12:19:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	32637	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	11914	0.942	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	15122	1.149	ug/l	0.00
Spiked Amount 1.000			Recovery	=	115.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	114350	10.508	ug/l	100
3) Chloromethane	1.527	50	111130	9.943	ug/l	99
4) Vinyl Chloride	1.607	62	108487	9.833	ug/l	99
5) Bromomethane	1.861	94	63181	8.766	ug/l	99
6) Chloroethane	1.938	64	64811	10.225	ug/l	98
7) Trichlorofluoromethane	2.144	101	149971	11.532	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	86013	11.475	ug/l	91
9) 1,1-Dichloroethene	2.584	96	84200	10.915	ug/l	91
10) Iodomethane	2.726	142	43128	5.931	ug/l	99
11) Allyl Chloride	2.929	41	105547	8.777	ug/l	98
12) Acrylonitrile	3.327	53	39387	17.395	ug/l	93
13) Acetone	2.646	43	60764	46.137	ug/l	99
14) Carbon Disulfide	2.797	76	267636	10.257	ug/l	100
15) Methylene Chloride	3.051	84	98344	11.351	ug/l	93
16) trans-1,2-Dichloroethene	3.356	96	90395	11.103	ug/l	93
17) 1,1-Dichloroethane	3.874	63	152354	10.213	ug/l	99
18) 2-Butanone	4.723	43	105897	46.424	ug/l	98
19) Cyclohexane	5.391	56	124336m	8.997	ug/l	
20) Methylcyclohexane	6.768	83	143108	9.395	ug/l	94
21) 2,2-Dichloropropane	4.668	77	134026	10.053	ug/l	96
22) cis-1,2-Dichloroethene	4.671	96	98835	10.555	ug/l	89
23) Diethyl Ether	2.382	59	61993	9.943	ug/l	94
24) tert-Butyl Alcohol	3.253	59	39210m	96.699	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	211441	9.774	ug/l	96
26) Bromochloromethane	4.980	128	47822	11.357	ug/l	82
27) Chloroform	5.092	83	164265	10.852	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	143211	10.929	ug/l	96
29) 1,1-Dichloropropene	5.530	75	122806	10.237	ug/l	96
30) Carbon Tetrachloride	5.526	117	131226	11.390	ug/l	99
31) Isopropyl Ether	4.002	45	211383	8.860	ug/l	96
32) Ethyl-t-butyl ether	4.510	59	214130	8.829	ug/l	94
33) Tert-Amyl methyl ether	5.948	73	208201	9.320	ug/l	97
34) Propionitrile	4.800	54	28197	44.633	ug/l	# 87
35) Benzene	5.777	78	353734	10.523	ug/l	99
36) 1,2-Dichloroethane	5.800	62	106329	10.447	ug/l	99
37) Trichloroethene	6.546	130	102903	11.056	ug/l	88
38) 1,2-Dichloropropane	6.793	63	91412	10.276	ug/l	100
39) Methacrylonitrile	4.983	41	26261	8.565	ug/l	93
40) Methyl acrylate	4.854	55	46366	8.946	ug/l	# 94
41) Tetrahydrofuran	5.073	42	26386	16.894	ug/l	96
42) 1-Chlorobutane	5.462	56	155104	9.630	ug/l	98
43) Dibromomethane	6.922	93	53473	11.146	ug/l	# 85
44) Bromodichloromethane	7.108	83	123705	10.902	ug/l	# 98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	286841	44.207	ug/l	97
46) t-1,4-Dichloro-2-butene	10.838	75	49544m	17.540	ug/l	
47) Methyl methacrylate	6.967	69	97927	19.463	ug/l	88
48) Ethyl methacrylate	8.337	69	90753	8.898	ug/l	89
49) Toluene	7.970	92	228637	10.544	ug/l	97
50) t-1,3-Dichloropropene	8.211	75	119459	9.727	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	132906	9.653	ug/l	94
52) 1,1,2-Trichloroethane	8.401	97	75235	10.991	ug/l	99
53) 1,3-Dichloropropane	8.578	76	122278	9.998	ug/l	98
54) 2-Hexanone	8.690	43	206646	42.748	ug/l	98
55) Dibromochloromethane	8.813	129	95351	11.458	ug/l	99
56) 1,2-Dibromoethane	8.925	107	74407	10.756	ug/l	97
58) Tetrachloroethene	8.555	164	94125	10.960	ug/l	94
59) Chlorobenzene	9.449	112	259431	10.730	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	97919	11.784	ug/l	99
61) Pentachloroethane	11.430	117	81684	12.949	ug/l	82
62) Hexachloroethane	12.478	117	82250	12.076	ug/l #	70
63) Ethyl Benzene	9.571	91	431180	10.145	ug/l	98
64) m/p-Xylenes	9.694	106	345145	21.305	ug/l	95
65) o-Xylene	10.102	106	163499	10.418	ug/l	93
66) Styrene	10.115	104	287042	10.777	ug/l	95
67) Bromoform	10.292	173	64155	12.165	ug/l #	97
69) Isopropylbenzene	10.484	105	432561	10.249	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.784	83	99946	10.800	ug/l	99
71) 1,2,3-Trichloropropane	10.835	75	81871m	10.483	ug/l	
72) Bromobenzene	10.784	156	123265	11.958	ug/l	76
73) n-propylbenzene	10.906	120	128300	11.042	ug/l	81
74) 2-Chlorotoluene	10.986	126	112455	11.353	ug/l	77
75) 1,3,5-Trimethylbenzene	11.089	105	378628	10.939	ug/l	97
76) 4-Chlorotoluene	11.099	126	122419	11.763	ug/l	73
77) tert-Butylbenzene	11.423	119	376819	10.850	ug/l	92
78) 1,2,4-Trimethylbenzene	11.468	105	386062	10.929	ug/l	96
79) sec-Butylbenzene	11.645	105	497942	10.797	ug/l	96
80) Nitrobenzene	13.211	77	21598	48.340	ug/l	96
81) p-Isopropyltoluene	11.793	119	429555	11.007	ug/l	95
82) 1,3-Dichlorobenzene	11.745	146	238787	11.900	ug/l	96
83) 1,4-Dichlorobenzene	11.838	146	240533	11.899	ug/l	97
84) n-Butylbenzene	12.208	91	396458	10.579	ug/l	95
85) 1,2-Dichlorobenzene	12.214	146	228654	11.838	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.996	75	17203	10.139	ug/l #	67
87) 1,2,4-Trichlorobenzene	13.841	180	173849	11.463	ug/l	97
88) Hexachlorobutadiene	14.021	225	98519	12.705	ug/l	98
89) Naphthalene	14.086	128	301742	9.713	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	165220	12.145	ug/l	97

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

