

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031822\
 Data File : VU047613.D
 Acq On : 18 Mar 2022 12:29
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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

Quant Time: Mar 18 12:49:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 18 12:42:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	32772	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	12695	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	15792	1.195	ug/l	0.00
Spiked Amount 1.000			Recovery	=	119.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	231538	21.190	ug/l	100
3) Chloromethane	1.527	50	226589	20.190	ug/l	100
4) Vinyl Chloride	1.607	62	218318	19.706	ug/l	100
5) Bromomethane	1.861	94	126767	17.515	ug/l	100
6) Chloroethane	1.938	64	135079	21.222	ug/l	100
7) Trichlorofluoromethane	2.144	101	310041	23.743	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	176533	23.455	ug/l	91
9) 1,1-Dichloroethene	2.584	96	174013	22.464	ug/l	90
10) Iodomethane	2.726	142	100724	13.795	ug/l	100
11) Allyl Chloride	2.928	41	213319	17.667	ug/l	98
12) Acrylonitrile	3.327	53	77746	34.194	ug/l #	88
13) Acetone	2.649	43	125630	94.995	ug/l	96
14) Carbon Disulfide	2.797	76	540332	20.622	ug/l	99
15) Methylene Chloride	3.051	84	195532	22.475	ug/l	93
16) trans-1,2-Dichloroethene	3.356	96	173630	21.238	ug/l	94
17) 1,1-Dichloroethane	3.874	63	300719	20.076	ug/l	100
18) 2-Butanone	4.726	43	222535	97.155	ug/l	99
19) Cyclohexane	5.391	56	255494m	18.411	ug/l	
20) Methylcyclohexane	6.767	83	305305	19.960	ug/l	93
21) 2,2-Dichloropropane	4.671	77	277866	20.757	ug/l	95
22) cis-1,2-Dichloroethene	4.671	96	203946	21.691	ug/l	88
23) Diethyl Ether	2.382	59	125783	20.092	ug/l	96
24) tert-Butyl Alcohol	3.263	59	70669m	173.565	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	409448	18.849	ug/l	96
26) Bromochloromethane	4.980	128	96665	22.862	ug/l	80
27) Chloroform	5.092	83	329253	21.662	ug/l	100
28) 1,1,1-Trichloroethane	5.321	97	292122	22.200	ug/l	96
29) 1,1-Dichloropropene	5.530	75	248705	20.647	ug/l	95
30) Carbon Tetrachloride	5.526	117	264215	22.839	ug/l	99
31) Isopropyl Ether	4.002	45	433433	18.092	ug/l	97
32) Ethyl-t-butyl ether	4.510	59	449566	18.460	ug/l	94
33) Tert-Amyl methyl ether	5.948	73	439976	19.615	ug/l	99
34) Propionitrile	4.803	54	59444m	93.706	ug/l	
35) Benzene	5.777	78	718957	21.299	ug/l	100
36) 1,2-Dichloroethane	5.800	62	214184	20.957	ug/l	99
37) Trichloroethene	6.546	130	209017	22.365	ug/l	89
38) 1,2-Dichloropropane	6.796	63	182965	20.483	ug/l	98
39) Methacrylonitrile	4.983	41	53861	17.495	ug/l	93
40) Methyl acrylate	4.854	55	103358	19.861	ug/l	97
41) Tetrahydrofuran	5.073	42	54989	35.063	ug/l	97
42) 1-Chlorobutane	5.462	56	316963	19.598	ug/l	96
43) Dibromomethane	6.922	93	108756	22.576	ug/l #	85
44) Bromodichloromethane	7.108	83	252735	22.183	ug/l #	99

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45) 4-Methyl-2-Pentanone	7.800	43	606006	93.011	ug/l	96
46) t-1,4-Dichloro-2-butene	10.841	75	121986m	43.009	ug/l	
47) Methyl methacrylate	6.967	69	203260	40.232	ug/l	88
48) Ethyl methacrylate	8.337	69	200248	19.553	ug/l	88
49) Toluene	7.973	92	474215	21.779	ug/l	98
50) t-1,3-Dichloropropene	8.214	75	254804	20.662	ug/l	100
51) cis-1,3-Dichloropropene	7.610	75	280246	20.271	ug/l	94
52) 1,1,2-Trichloroethane	8.404	97	153921	22.394	ug/l	99
53) 1,3-Dichloropropane	8.578	76	254748	20.744	ug/l	99
54) 2-Hexanone	8.690	43	445832	91.848	ug/l	96
55) Dibromochloromethane	8.812	129	201116	24.068	ug/l	98
56) 1,2-Dibromoethane	8.928	107	155739	22.421	ug/l	98
58) Tetrachloroethene	8.555	164	193149	22.397	ug/l	95
59) Chlorobenzene	9.449	112	541221	22.293	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.536	131	203977	24.445	ug/l	99
61) Pentachloroethane	11.430	117	173660	27.416	ug/l #	80
62) Hexachloroethane	12.478	117	180741	26.428	ug/l #	69
63) Ethyl Benzene	9.571	91	922625	21.618	ug/l	99
64) m/p-Xylenes	9.697	106	729991	44.874	ug/l	94
65) o-Xylene	10.102	106	349858	22.201	ug/l	93
66) Styrene	10.115	104	615445	23.011	ug/l	96
67) Bromoform	10.295	173	138138	26.086	ug/l #	98
69) Isopropylbenzene	10.488	105	939125	22.159	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.787	83	212186	22.834	ug/l	97
71) 1,2,3-Trichloropropane	10.838	75	167528m	21.362	ug/l	
72) Bromobenzene	10.783	156	255486	24.684	ug/l	78
73) n-propylbenzene	10.909	120	275317	23.597	ug/l	82
74) 2-Chlorotoluene	10.989	126	237969	23.925	ug/l	79
75) 1,3,5-Trimethylbenzene	11.089	105	811534	23.349	ug/l	97
76) 4-Chlorotoluene	11.098	126	257505	24.642	ug/l	73
77) tert-Butylbenzene	11.423	119	819295	23.492	ug/l	92
78) 1,2,4-Trimethylbenzene	11.468	105	830161	23.404	ug/l	96
79) sec-Butylbenzene	11.645	105	1074290	23.197	ug/l	96
80) Nitrobenzene	13.208	77	51092	113.882	ug/l #	93
81) p-Isopropyltoluene	11.793	119	938287	23.944	ug/l	95
82) 1,3-Dichlorobenzene	11.748	146	508623	25.242	ug/l	96
83) 1,4-Dichlorobenzene	11.838	146	516939	25.468	ug/l	96
84) n-Butylbenzene	12.211	91	885596	23.534	ug/l	96
85) 1,2-Dichlorobenzene	12.214	146	490297	25.279	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.999	75	37607	22.072	ug/l #	69
87) 1,2,4-Trichlorobenzene	13.841	180	386040	25.349	ug/l	97
88) Hexachlorobutadiene	14.021	225	215099	27.626	ug/l	98
89) Naphthalene	14.085	128	675913	21.668	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	353329	25.866	ug/l	96

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

