

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031822\
 Data File : VU047610.D
 Acq On : 18 Mar 2022 10:57
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Quant Time: Mar 18 11:56:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 18 11:04:20 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.118	96	31488	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	11799	0.967	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	14661	1.154	ug/l	0.00
Spiked Amount 1.000			Recovery	=	115.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	25400	2.419	ug/l	99
3) Chloromethane	1.527	50	24770	2.297	ug/l	100
4) Vinyl Chloride	1.607	62	23848	2.240	ug/l	98
5) Bromomethane	1.861	94	13579	1.953	ug/l	98
6) Chloroethane	1.938	64	14479	2.368	ug/l	99
7) Trichlorofluoromethane	2.144	101	33452	2.666	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	19246	2.661	ug/l #	89
9) 1,1-Dichloroethene	2.588	96	19046	2.559	ug/l	89
10) Iodomethane	2.726	142	5908	1.507	ug/l	97
11) Allyl Chloride	2.929	41	23418	2.019	ug/l	98
12) Acrylonitrile	3.327	53	8175	3.742	ug/l #	79
13) Acetone	2.649	43	11939	11.379	ug/l	96
14) Carbon Disulfide	2.800	76	59661	2.370	ug/l	99
15) Methylene Chloride	3.051	84	25769	3.083	ug/l	93
16) trans-1,2-Dichloroethene	3.356	96	19327	2.460	ug/l	94
17) 1,1-Dichloroethane	3.874	63	33243	2.310	ug/l	98
18) 2-Butanone	4.732	43	18909	8.592	ug/l	96
19) Cyclohexane	5.391	56	24432m	1.832	ug/l	
20) Methylcyclohexane	6.768	83	28172	1.917	ug/l	95
21) 2,2-Dichloropropane	4.668	77	28282	2.199	ug/l	94
22) cis-1,2-Dichloroethene	4.674	96	20845	2.307	ug/l	89
23) Diethyl Ether	2.382	59	13613	2.263	ug/l	95
24) tert-Butyl Alcohol	3.266	59	7916m	20.235	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	44570	2.135	ug/l	96
26) Bromochloromethane	4.980	128	10091	2.484	ug/l	85
27) Chloroform	5.096	83	35771	2.449	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	30663	2.425	ug/l	97
29) 1,1-Dichloropropene	5.530	75	24984	2.159	ug/l	97
30) Carbon Tetrachloride	5.526	117	27091	2.437	ug/l	98
31) Isopropyl Ether	4.002	45	44702	1.942	ug/l	95
32) Ethyl-t-butyl ether	4.510	59	42520	1.817	ug/l	91
33) Tert-Amyl methyl ether	5.948	73	39212	1.819	ug/l	96
34) Propionitrile	4.816	54	5607	10.451	ug/l #	89
35) Benzene	5.777	78	75320	2.322	ug/l	100
36) 1,2-Dichloroethane	5.800	62	23205	2.363	ug/l	98
37) Trichloroethene	6.546	130	22034	2.454	ug/l	90
38) 1,2-Dichloropropane	6.793	63	19865	2.315	ug/l	100
39) Methacrylonitrile	4.986	41	5250	1.775	ug/l #	89
40) Methyl acrylate	4.858	55	7935	1.587	ug/l #	90
41) Tetrahydrofuran	5.076	42	5252	3.485	ug/l #	78
42) 1-Chlorobutane	5.462	56	32528	2.093	ug/l	99
43) Dibromomethane	6.922	93	11567	2.499	ug/l #	85
44) Bromodichloromethane	7.108	83	27449	2.507	ug/l #	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	58739	9.383	ug/l	98
46) t-1,4-Dichloro-2-butene	10.838	75	9944m	3.649	ug/l	
47) Methyl methacrylate	6.967	69	18240	3.758	ug/l	93
48) Ethyl methacrylate	8.337	69	17080	1.736	ug/l	93
49) Toluene	7.973	92	46091	2.203	ug/l	94
50) t-1,3-Dichloropropene	8.214	75	24853	2.097	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	27634	2.080	ug/l	95
52) 1,1,2-Trichloroethane	8.404	97	16472	2.494	ug/l	97
53) 1,3-Dichloropropane	8.578	76	26660	2.259	ug/l	99
54) 2-Hexanone	8.694	43	42466	9.105	ug/l	97
55) Dibromochloromethane	8.813	129	20988	2.614	ug/l	98
56) 1,2-Dibromoethane	8.925	107	16812	2.519	ug/l	99
58) Tetrachloroethene	8.555	164	20575	2.483	ug/l	95
59) Chlorobenzene	9.449	112	54426	2.333	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	21036	2.624	ug/l	97
61) Pentachloroethane	11.430	117	18145	2.981	ug/l	86
62) Hexachloroethane	12.475	117	17554	2.671	ug/l #	74
63) Ethyl Benzene	9.571	91	83294	2.031	ug/l	97
64) m/p-Xylenes	9.697	106	67055	4.290	ug/l	92
65) o-Xylene	10.102	106	31609	2.088	ug/l	94
66) Styrene	10.115	104	54122	2.106	ug/l	95
67) Bromoform	10.295	173	13607	2.674	ug/l #	98
69) Isopropylbenzene	10.484	105	83109	2.041	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.784	83	21906	2.454	ug/l	98
71) 1,2,3-Trichloropropane	10.829	75	16780m	2.227	ug/l	
72) Bromobenzene	10.784	156	25235	2.537	ug/l	78
73) n-propylbenzene	10.909	120	23964	2.138	ug/l	83
74) 2-Chlorotoluene	10.989	126	22686	2.374	ug/l	79
75) 1,3,5-Trimethylbenzene	11.089	105	70781	2.120	ug/l	97
76) 4-Chlorotoluene	11.099	126	24237	2.414	ug/l	73
77) tert-Butylbenzene	11.423	119	72509	2.164	ug/l	92
78) 1,2,4-Trimethylbenzene	11.468	105	72455	2.126	ug/l	97
79) sec-Butylbenzene	11.645	105	94924	2.133	ug/l	96
80) Nitrobenzene	13.211	77	4379	10.159	ug/l #	97
81) p-Isopropyltoluene	11.793	119	78012	2.072	ug/l	96
82) 1,3-Dichlorobenzene	11.748	146	50574	2.612	ug/l	97
83) 1,4-Dichlorobenzene	11.838	146	50304	2.579	ug/l	97
84) n-Butylbenzene	12.211	91	73248	2.026	ug/l	95
85) 1,2-Dichlorobenzene	12.214	146	48037	2.578	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.999	75	3682	2.249	ug/l #	70
87) 1,2,4-Trichlorobenzene	13.841	180	33368	2.280	ug/l	98
88) Hexachlorobutadiene	14.021	225	19845	2.653	ug/l	98
89) Naphthalene	14.089	128	49680	1.658	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	31578	2.406	ug/l	98

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

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