

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021422\
 Data File : VU047127.D
 Acq On : 14 Feb 2022 11:04
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Feb 14 12:40:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Feb 14 12:38:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	57516	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	21745	1.104	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	22119	0.981	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	34920	1.934	ug/l	99
3) Chloromethane	1.530	50	35101	1.702	ug/l	98
4) Vinyl Chloride	1.610	62	34746	1.759	ug/l	100
5) Bromomethane	1.864	94	24207	2.088	ug/l	98
6) Chloroethane	1.941	64	20020	1.661	ug/l	98
7) Trichlorofluoromethane	2.147	101	41735	1.681	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	24254	1.643	ug/l	95
9) 1,1-Dichloroethene	2.591	96	23842	1.827	ug/l	98
10) Iodomethane	2.732	142	17063	0.854	ug/l	98
11) Allyl Chloride	2.932	41	38347	1.693	ug/l	91
12) Acrylonitrile	3.330	53	15043m	3.406	ug/l	
13) Acetone	2.652	43	22357	6.192	ug/l	99
14) Carbon Disulfide	2.803	76	83370	2.011	ug/l	100
15) Methylene Chloride	3.054	84	27552	1.668	ug/l	97
16) trans-1,2-Dichloroethene	3.359	96	25430	1.733	ug/l	95
17) 1,1-Dichloroethane	3.877	63	47806	1.677	ug/l	98
18) 2-Butanone	4.726	43	37121	6.976	ug/l	91
19) Cyclohexane	5.395	56	44916m	1.914	ug/l	
20) Methylcyclohexane	6.768	83	48091	2.136	ug/l	97
21) 2,2-Dichloropropane	4.674	77	43349	1.988	ug/l	98
22) cis-1,2-Dichloroethene	4.674	96	29762	1.802	ug/l	94
23) Diethyl Ether	2.382	59	19734	1.697	ug/l	98
24) tert-Butyl Alcohol	3.247	59	15241m	14.617	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	68100	1.775	ug/l	100
26) Bromochloromethane	4.983	128	13688	1.730	ug/l	94
27) Chloroform	5.096	83	48218	1.577	ug/l	98
28) 1,1,1-Trichloroethane	5.321	97	42103	1.767	ug/l	96
29) 1,1-Dichloropropene	5.533	75	38038	1.854	ug/l	98
30) Carbon Tetrachloride	5.530	117	36799	1.797	ug/l	98
31) Isopropyl Ether	4.002	45	75740	1.746	ug/l	97
32) Ethyl-t-butyl ether	4.510	59	76441	1.961	ug/l	98
33) Tert-Amyl methyl ether	5.948	73	71490	2.057	ug/l	98
34) Propionitrile	4.803	54	10838	6.848	ug/l	# 94
35) Benzene	5.781	78	108104	1.750	ug/l	100
36) 1,2-Dichloroethane	5.800	62	32907	1.748	ug/l	99
37) Trichloroethene	6.546	130	29998	1.927	ug/l	94
38) 1,2-Dichloropropane	6.797	63	28574	1.746	ug/l	100
39) Methacrylonitrile	4.986	41	9739	1.661	ug/l	96
40) Methyl acrylate	4.858	55	16409	1.835	ug/l	98
41) Tetrahydrofuran	5.070	42	9875	2.987	ug/l	97
42) 1-Chlorobutane	5.462	56	51356	1.750	ug/l	100
43) Dibromomethane	6.922	93	15504	1.730	ug/l	93
44) Bromodichloromethane	7.108	83	36138	1.702	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	105539	9.568	ug/l	100
46) t-1,4-Dichloro-2-butene	10.838	75	17044m	3.882	ug/l	
47) Methyl methacrylate	6.967	69	32040	4.045	ug/l	94
48) Ethyl methacrylate	8.337	69	32647	2.274	ug/l	98
49) Toluene	7.973	92	69463	1.897	ug/l	98
50) t-1,3-Dichloropropene	8.215	75	38567	2.073	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	43588	2.044	ug/l	97
52) 1,1,2-Trichloroethane	8.404	97	22235	1.740	ug/l	99
53) 1,3-Dichloropropane	8.578	76	39226	1.787	ug/l	100
54) 2-Hexanone	8.690	43	76325	9.595	ug/l	99
55) Dibromochloromethane	8.813	129	26266	1.809	ug/l	98
56) 1,2-Dibromoethane	8.928	107	21663	1.819	ug/l	97
58) Tetrachloroethene	8.555	164	27403	1.900	ug/l	99
59) Chlorobenzene	9.449	112	77106	1.963	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.536	131	25736	1.754	ug/l	98
61) Pentachloroethane	11.430	117	19418	1.602	ug/l	85
62) Hexachloroethane	12.478	117	20514	1.748	ug/l #	82
63) Ethyl Benzene	9.575	91	135661	2.087	ug/l	98
64) m/p-Xylenes	9.697	106	103461	4.066	ug/l	96
65) o-Xylene	10.102	106	50118	2.053	ug/l	97
66) Styrene	10.118	104	84232	2.044	ug/l	98
67) Bromoform	10.292	173	15869	1.788	ug/l #	97
69) Isopropylbenzene	10.488	105	134054	2.110	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.784	83	29470	1.736	ug/l	100
71) 1,2,3-Trichloropropane	10.838	75	25131m	1.884	ug/l	
72) Bromobenzene	10.787	156	32551	1.872	ug/l	88
73) n-propylbenzene	10.909	120	36287	2.053	ug/l	91
74) 2-Chlorotoluene	10.989	126	31303	1.945	ug/l	89
75) 1,3,5-Trimethylbenzene	11.089	105	107892	1.953	ug/l	98
76) 4-Chlorotoluene	11.099	126	32744	1.957	ug/l	85
77) tert-Butylbenzene	11.423	119	106845	1.963	ug/l	96
78) 1,2,4-Trimethylbenzene	11.468	105	111148	1.975	ug/l	98
79) sec-Butylbenzene	11.645	105	144657	1.977	ug/l	99
80) Nitrobenzene	13.211	77	6380	8.809	ug/l	99
81) p-Isopropyltoluene	11.793	119	121931	2.014	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	62638	1.804	ug/l	99
83) 1,4-Dichlorobenzene	11.838	146	62369	1.828	ug/l	98
84) n-Butylbenzene	12.211	91	116529	2.012	ug/l	98
85) 1,2-Dichlorobenzene	12.214	146	59330	1.774	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.996	75	5229	1.897	ug/l	87
87) 1,2,4-Trichlorobenzene	13.841	180	46895	2.151	ug/l	98
88) Hexachlorobutadiene	14.021	225	23876	1.751	ug/l	98
89) Naphthalene	14.086	128	94338	2.410	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	42007	1.956	ug/l	95

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

