

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021422\
 Data File : VU047126.D
 Acq On : 14 Feb 2022 10:36
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

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

Quant Time: Feb 14 12:40:10 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	56394	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	21938	1.136	ug/l	0.00
Spiked Amount 1.000			Recovery	=	114.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	22903	1.036	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	17963	1.015	ug/l	97
3) Chloromethane	1.533	50	18222	0.901	ug/l	97
4) Vinyl Chloride	1.610	62	18217	0.940	ug/l	98
5) Bromomethane	1.864	94	13180	1.159	ug/l	96
6) Chloroethane	1.941	64	10611	0.898	ug/l	99
7) Trichlorofluoromethane	2.147	101	21260	0.873	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	12650	0.874	ug/l	95
9) 1,1-Dichloroethene	2.588	96	13239	1.035	ug/l	95
10) Iodomethane	2.732	142	8494	0.434	ug/l	98
11) Allyl Chloride	2.932	41	19919	0.897	ug/l	93
12) Acrylonitrile	3.324	53	7576m	1.749	ug/l	
13) Acetone	2.636	43	8892	2.512	ug/l	98
14) Carbon Disulfide	2.803	76	43868	1.079	ug/l	98
15) Methylene Chloride	3.054	84	14686	0.907	ug/l	96
16) trans-1,2-Dichloroethene	3.363	96	14520	1.009	ug/l	98
17) 1,1-Dichloroethane	3.880	63	24905	0.891	ug/l	98
18) 2-Butanone	4.719	43	15356	2.943	ug/l	97
19) Cyclohexane	5.391	56	22929m	0.997	ug/l	
20) Methylcyclohexane	6.768	83	25020	1.133	ug/l	97
21) 2,2-Dichloropropane	4.668	77	22105	1.034	ug/l	98
22) cis-1,2-Dichloroethene	4.674	96	15693	0.969	ug/l	92
23) Diethyl Ether	2.382	59	10286	0.902	ug/l	98
24) tert-Butyl Alcohol	3.202	59	6708	6.561	ug/l #	86
25) Methyl tert-Butyl Ether	3.372	73	36126	0.961	ug/l	97
26) Bromochloromethane	4.983	128	6875	0.886	ug/l	96
27) Chloroform	5.096	83	26092	0.870	ug/l	99
28) 1,1,1-Trichloroethane	5.324	97	21994	0.942	ug/l	96
29) 1,1-Dichloropropene	5.533	75	19814	0.985	ug/l	99
30) Carbon Tetrachloride	5.530	117	19444	0.969	ug/l	96
31) Isopropyl Ether	4.002	45	38889	0.914	ug/l	96
32) Ethyl-t-butyl ether	4.510	59	39454	1.032	ug/l	96
33) Tert-Amyl methyl ether	5.948	73	35859	1.052	ug/l	98
34) Propionitrile	4.797	54	3779	2.435	ug/l #	91
35) Benzene	5.781	78	55865	0.922	ug/l	99
36) 1,2-Dichloroethane	5.800	62	17140	0.929	ug/l	100
37) Trichloroethene	6.546	130	15462	1.013	ug/l	95
38) 1,2-Dichloropropane	6.797	63	14751	0.919	ug/l	96
39) Methacrylonitrile	4.983	41	4763	0.829	ug/l	95
40) Methyl acrylate	4.858	55	7061	0.805	ug/l #	95
41) Tetrahydrofuran	5.067	42	4629	1.428	ug/l	91
42) 1-Chlorobutane	5.465	56	25737	0.894	ug/l	97
43) Dibromomethane	6.922	93	7969	0.907	ug/l	95
44) Bromodichloromethane	7.108	83	18641	0.895	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.797	43	49000	4.531	ug/l	98
46) t-1,4-Dichloro-2-butene	10.838	75	8874m	2.061	ug/l	
47) Methyl methacrylate	6.967	69	16124	2.076	ug/l	94
48) Ethyl methacrylate	8.337	69	15598	1.108	ug/l	100
49) Toluene	7.973	92	35823	0.998	ug/l	99
50) t-1,3-Dichloropropene	8.215	75	19323	1.060	ug/l	96
51) cis-1,3-Dichloropropene	7.610	75	22203	1.062	ug/l	97
52) 1,1,2-Trichloroethane	8.404	97	11317	0.903	ug/l	96
53) 1,3-Dichloropropane	8.578	76	19892	0.924	ug/l	99
54) 2-Hexanone	8.690	43	39016	5.003	ug/l	98
55) Dibromochloromethane	8.813	129	13506	0.949	ug/l	99
56) 1,2-Dibromoethane	8.928	107	11438	0.980	ug/l	97
58) Tetrachloroethene	8.555	164	14400	1.018	ug/l	95
59) Chlorobenzene	9.449	112	39916	1.036	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	13281	0.923	ug/l	96
61) Pentachloroethane	11.430	117	9632	0.810	ug/l	84
62) Hexachloroethane	12.475	117	10316	0.896	ug/l #	82
63) Ethyl Benzene	9.575	91	70078	1.100	ug/l	100
64) m/p-Xylenes	9.697	106	52806	2.116	ug/l	97
65) o-Xylene	10.102	106	25417	1.062	ug/l	99
66) Styrene	10.118	104	42989	1.064	ug/l	97
67) Bromoform	10.295	173	8303	0.954	ug/l #	98
69) Isopropylbenzene	10.488	105	68955	1.107	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.784	83	15007	0.902	ug/l	100
71) 1,2,3-Trichloropropane	10.835	75	13113m	1.002	ug/l	
72) Bromobenzene	10.784	156	16618	0.975	ug/l	89
73) n-propylbenzene	10.909	120	18277	1.055	ug/l	90
74) 2-Chlorotoluene	10.989	126	15686	0.994	ug/l	90
75) 1,3,5-Trimethylbenzene	11.089	105	55728	1.029	ug/l	99
76) 4-Chlorotoluene	11.099	126	16649	1.015	ug/l	83
77) tert-Butylbenzene	11.423	119	55017	1.031	ug/l	96
78) 1,2,4-Trimethylbenzene	11.468	105	57040	1.034	ug/l	99
79) sec-Butylbenzene	11.645	105	72411	1.010	ug/l	98
80) Nitrobenzene	13.214	77	3064	4.315	ug/l #	94
81) p-Isopropyltoluene	11.793	119	61644	1.039	ug/l	98
82) 1,3-Dichlorobenzene	11.748	146	32890	0.966	ug/l	98
83) 1,4-Dichlorobenzene	11.838	146	33442	1.000	ug/l	97
84) n-Butylbenzene	12.211	91	58945	1.038	ug/l	97
85) 1,2-Dichlorobenzene	12.214	146	31685	0.966	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.999	75	2789	1.032	ug/l	84
87) 1,2,4-Trichlorobenzene	13.841	180	24448	1.144	ug/l	98
88) Hexachlorobutadiene	14.021	225	12792	0.957	ug/l	95
89) Naphthalene	14.089	128	49105	1.279	ug/l	98
90) 1,2,3-Trichlorobenzene	14.330	180	22222	1.055	ug/l	97

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

