

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031822\
 Data File : VU047609.D
 Acq On : 18 Mar 2022 10:30
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

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

Quant Time: Mar 18 12:02:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 18 12:00:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	30152	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	10512	0.900	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	13094	1.077	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	10663	1.061	ug/l	97
3) Chloromethane	1.530	50	10042	0.973	ug/l	98
4) Vinyl Chloride	1.607	62	10017	0.983	ug/l	94
5) Bromomethane	1.861	94	5862	0.880	ug/l	99
6) Chloroethane	1.938	64	5621	0.960	ug/l	98
7) Trichlorofluoromethane	2.144	101	13593	1.131	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	7817	1.129	ug/l	90
9) 1,1-Dichloroethene	2.588	96	7755	1.088	ug/l	85
10) Iodomethane	2.726	142	1937	0.288	ug/l	92
11) Allyl Chloride	2.932	41	9906	0.892	ug/l	100
12) Acrylonitrile	3.333	53	3412	1.631	ug/l	90
13) Acetone	2.649	43	6978	5.735	ug/l	94
14) Carbon Disulfide	2.800	76	24557	1.019	ug/l	99
15) Methylene Chloride	3.051	84	12566	1.570	ug/l	97
16) trans-1,2-Dichloroethene	3.356	96	7971	1.060	ug/l	91
17) 1,1-Dichloroethane	3.874	63	13861	1.006	ug/l	99
18) 2-Butanone	4.732	43	10230	4.854	ug/l	96
19) Cyclohexane	5.391	56	9484m	0.743	ug/l	
20) Methylcyclohexane	6.764	83	10739	0.763	ug/l	95
21) 2,2-Dichloropropane	4.668	77	12066	0.980	ug/l	98
22) cis-1,2-Dichloroethene	4.671	96	8668	1.002	ug/l	88
23) Diethyl Ether	2.382	59	5532	0.960	ug/l	97
24) tert-Butyl Alcohol	3.247	59	4660	12.440	ug/l #	86
25) Methyl tert-Butyl Ether	3.375	73	18638	0.933	ug/l	93
26) Bromochloromethane	4.980	128	4444	1.142	ug/l	81
27) Chloroform	5.092	83	14900	1.065	ug/l	98
28) 1,1,1-Trichloroethane	5.321	97	12810	1.058	ug/l	96
29) 1,1-Dichloropropene	5.533	75	9795	0.884	ug/l	96
30) Carbon Tetrachloride	5.526	117	11482	1.079	ug/l	96
31) Isopropyl Ether	4.002	45	17011	0.772	ug/l	94
32) Ethyl-t-butyl ether	4.510	59	17425	0.778	ug/l	92
33) Tert-Amyl methyl ether	5.948	73	15869	0.769	ug/l	99
34) Propionitrile	4.813	54	2333	3.997	ug/l #	96
35) Benzene	5.777	78	30504	0.982	ug/l	98
36) 1,2-Dichloroethane	5.803	62	9118	0.970	ug/l	99
37) Trichloroethene	6.546	130	8793	1.023	ug/l	86
38) 1,2-Dichloropropane	6.793	63	7792	0.948	ug/l	95
39) Methacrylonitrile	4.986	41	2158	0.762	ug/l	93
40) Methyl acrylate	4.861	55	3486	0.728	ug/l #	89
41) Tetrahydrofuran	5.086	42	2474m	1.715	ug/l	
42) 1-Chlorobutane	5.462	56	12627	0.849	ug/l	98
43) Dibromomethane	6.925	93	4709	1.062	ug/l #	85
44) Bromodichloromethane	7.108	83	11154	1.064	ug/l #	96

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45) 4-Methyl-2-Pentanone	7.800	43	22572	3.765	ug/l	97
46) t-1,4-Dichloro-2-butene	10.841	75	3208m	1.229	ug/l	
47) Methyl methacrylate	6.967	69	7005	1.507	ug/l	91
48) Ethyl methacrylate	8.337	69	6291	0.668	ug/l	94
49) Toluene	7.973	92	17612	0.879	ug/l	97
50) t-1,3-Dichloropropene	8.214	75	9530	0.840	ug/l #	87
51) cis-1,3-Dichloropropene	7.613	75	10968	0.862	ug/l #	90
52) 1,1,2-Trichloroethane	8.404	97	6690	1.058	ug/l	95
53) 1,3-Dichloropropane	8.578	76	10950	0.969	ug/l	100
54) 2-Hexanone	8.693	43	15614	3.496	ug/l	97
55) Dibromochloromethane	8.812	129	8233	1.071	ug/l	99
56) 1,2-Dibromoethane	8.928	107	6274	0.982	ug/l	92
58) Tetrachloroethene	8.555	164	7931	1.000	ug/l	95
59) Chlorobenzene	9.449	112	21225	0.950	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.536	131	8301	1.081	ug/l	98
61) Pentachloroethane	11.430	117	7273	1.248	ug/l	90
62) Hexachloroethane	12.475	117	7050	1.120	ug/l #	70
63) Ethyl Benzene	9.571	91	30339	0.773	ug/l	96
64) m/p-Xylenes	9.697	106	23639	1.579	ug/l	93
65) o-Xylene	10.102	106	11298	0.779	ug/l	97
66) Styrene	10.115	104	18744	0.762	ug/l	96
67) Bromoform	10.291	173	5447	1.118	ug/l #	98
69) Isopropylbenzene	10.488	105	29406	0.754	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.783	83	8586	1.004	ug/l	98
71) 1,2,3-Trichloropropane	10.832	75	6670m	0.924	ug/l	
72) Bromobenzene	10.783	156	9942	1.044	ug/l	74
73) n-propylbenzene	10.906	120	8102	0.755	ug/l	95
74) 2-Chlorotoluene	10.989	126	8250	0.902	ug/l	85
75) 1,3,5-Trimethylbenzene	11.089	105	24653	0.771	ug/l	98
76) 4-Chlorotoluene	11.098	126	8818	0.917	ug/l	74
77) tert-Butylbenzene	11.423	119	25770	0.803	ug/l	91
78) 1,2,4-Trimethylbenzene	11.468	105	24774	0.759	ug/l	96
79) sec-Butylbenzene	11.645	105	32744	0.768	ug/l	96
80) Nitrobenzene	13.214	77	1628	3.944	ug/l #	93
81) p-Isopropyltoluene	11.793	119	27039	0.750	ug/l	96
82) 1,3-Dichlorobenzene	11.748	146	19869	1.072	ug/l	94
83) 1,4-Dichlorobenzene	11.838	146	19594	1.049	ug/l	97
84) n-Butylbenzene	12.211	91	26297	0.760	ug/l	95
85) 1,2-Dichlorobenzene	12.214	146	18651	1.045	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.995	75	1474	0.940	ug/l #	83
87) 1,2,4-Trichlorobenzene	13.841	180	12354	0.882	ug/l	98
88) Hexachlorobutadiene	14.021	225	8140	1.136	ug/l	96
89) Naphthalene	14.089	128	17989	0.627	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	11766	0.936	ug/l	96

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

