

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031822\
 Data File : VU047617.D
 Acq On : 18 Mar 2022 15:47
 Operator : SY/MD
 Sample : VU0318WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0318WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Mar 19 05:46:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 18 13:19:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	32428	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	10997	0.910	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	13930	0.951	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	20297	1.733	ug/l	99
3) Chloromethane	1.530	50	19997	1.747	ug/l	96
4) Vinyl Chloride	1.604	62	19541	1.759	ug/l	98
5) Bromomethane	1.858	94	9588	1.472	ug/l	95
6) Chloroethane	1.935	64	11676	1.758	ug/l	98
7) Trichlorofluoromethane	2.141	101	26968	1.756	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	15248	1.738	ug/l #	88
9) 1,1-Dichloroethene	2.581	96	14893	1.717	ug/l	90
10) Iodomethane	2.726	142	6490	2.385	ug/l	99
11) Allyl Chloride	2.925	41	19508	1.789	ug/l	97
12) Acrylonitrile	3.327	53	7435	3.885	ug/l	99
13) Acetone	2.649	43	9573	7.355	ug/l	97
14) Carbon Disulfide	2.797	76	47322	1.727	ug/l	96
15) Methylene Chloride	3.047	84	18185	1.326	ug/l	94
16) trans-1,2-Dichloroethene	3.353	96	15720	1.724	ug/l	92
17) 1,1-Dichloroethane	3.870	63	27298	1.764	ug/l	99
18) 2-Butanone	4.729	43	18985	9.365	ug/l	98
19) Cyclohexane	5.388	56	19623m	1.690	ug/l	
20) Methylcyclohexane	6.764	83	22610	1.697	ug/l	95
21) 2,2-Dichloropropane	4.668	77	23041	1.694	ug/l	95
22) cis-1,2-Dichloroethene	4.671	96	16370	1.653	ug/l	90
23) Diethyl Ether	2.379	59	11378	1.796	ug/l	96
24) tert-Butyl Alcohol	3.240	59	7338m	16.791	ug/l	
25) Methyl tert-Butyl Ether	3.369	73	36568	1.732	ug/l	96
26) Bromochloromethane	4.977	128	8778	1.752	ug/l	82
27) Chloroform	5.092	83	29562	1.767	ug/l	98
28) 1,1,1-Trichloroethane	5.317	97	26159	1.801	ug/l	94
29) 1,1-Dichloropropene	5.530	75	20871	1.773	ug/l	96
30) Carbon Tetrachloride	5.523	117	22797	1.761	ug/l	97
31) Isopropyl Ether	4.002	45	35811	1.743	ug/l	92
32) Ethyl-t-butyl ether	4.507	59	35616	1.717	ug/l	90
33) Tert-Amyl methyl ether	5.948	73	32406	1.662	ug/l	96
34) Propionitrile	4.803	54	4313	7.026	ug/l #	87
35) Benzene	5.777	78	61535	1.747	ug/l	100
36) 1,2-Dichloroethane	5.800	62	18496	1.736	ug/l	100
37) Trichloroethene	6.546	130	17989	1.767	ug/l	89
38) 1,2-Dichloropropane	6.793	63	15588	1.718	ug/l	99
39) Methacrylonitrile	4.983	41	4313	1.698	ug/l #	94
40) Methyl acrylate	4.854	55	7264	1.692	ug/l	97
41) Tetrahydrofuran	5.070	42	4502	3.493	ug/l	98
42) 1-Chlorobutane	5.459	56	26163	1.724	ug/l	100
43) Dibromomethane	6.922	93	9228	1.697	ug/l #	82
44) Bromodichloromethane	7.108	83	22189	1.759	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	45880	8.442	ug/l	99
46) t-1,4-Dichloro-2-butene	10.835	75	9048m	3.833	ug/l	
47) Methyl methacrylate	6.967	69	15492	3.523	ug/l	88
48) Ethyl methacrylate	8.337	69	13622	1.644	ug/l	88
49) Toluene	7.973	92	38131	1.761	ug/l	100
50) t-1,3-Dichloropropene	8.214	75	19053	1.631	ug/l	93
51) cis-1,3-Dichloropropene	7.610	75	21923	1.704	ug/l	94
52) 1,1,2-Trichloroethane	8.404	97	13713	1.813	ug/l	94
53) 1,3-Dichloropropane	8.578	76	21539	1.749	ug/l	99
54) 2-Hexanone	8.693	43	31923	8.045	ug/l	99
55) Dibromochloromethane	8.812	129	16481	1.725	ug/l	96
56) 1,2-Dibromoethane	8.928	107	13268	1.762	ug/l	99
58) Tetrachloroethene	8.555	164	16240	1.731	ug/l	95
59) Chlorobenzene	9.449	112	43807	1.736	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.536	131	17014	1.737	ug/l	99
61) Pentachloroethane	11.430	117	13942	1.682	ug/l	85
62) Hexachloroethane	12.475	117	13773	1.674	ug/l #	69
63) Ethyl Benzene	9.571	91	66231	1.676	ug/l	97
64) m/p-Xylenes	9.697	106	52950	3.377	ug/l	94
65) o-Xylene	10.102	106	25042	1.688	ug/l	96
66) Styrene	10.115	104	41614	1.626	ug/l	96
67) Bromoform	10.291	173	10860	1.708	ug/l #	98
69) Isopropylbenzene	10.484	105	64536	1.643	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.783	83	17711	1.758	ug/l	98
71) 1,2,3-Trichloropropane	10.828	75	11341m	1.426	ug/l	
72) Bromobenzene	10.783	156	20820	1.767	ug/l	77
73) n-propylbenzene	10.906	120	18694	1.640	ug/l	89
74) 2-Chlorotoluene	10.986	126	18067	1.725	ug/l	80
75) 1,3,5-Trimethylbenzene	11.089	105	56598	1.748	ug/l	97
76) 4-Chlorotoluene	11.099	126	19332	1.735	ug/l	75
77) tert-Butylbenzene	11.423	119	56860	1.661	ug/l	92
78) 1,2,4-Trimethylbenzene	11.468	105	56666	1.716	ug/l	96
79) sec-Butylbenzene	11.645	105	75293	1.688	ug/l	98
80) Nitrobenzene	13.214	77	2794	6.791	ug/l #	94
81) p-Isopropyltoluene	11.793	119	62043	1.753	ug/l	97
82) 1,3-Dichlorobenzene	11.748	146	40827	1.754	ug/l	97
83) 1,4-Dichlorobenzene	11.838	146	40496	1.731	ug/l	96
84) n-Butylbenzene	12.211	91	58251	1.775	ug/l	94
85) 1,2-Dichlorobenzene	12.214	146	38649	1.729	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	13.002	75	2808	1.653	ug/l #	77
87) 1,2,4-Trichlorobenzene	13.841	180	26984	1.690	ug/l	96
88) Hexachlorobutadiene	14.021	225	16259	1.696	ug/l	98
89) Naphthalene	14.089	128	41438	1.528	ug/l	100
90) 1,2,3-Trichlorobenzene	14.330	180	25186	1.674	ug/l	96

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

