

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031822\
 Data File : VU047622.D
 Acq On : 18 Mar 2022 18:40
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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

Quant Time: Mar 19 05:47:12 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	6.118	96	31112	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	11480	0.990	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	14588	1.038	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	107701	9.582	ug/l	100
3) Chloromethane	1.527	50	105400	9.598	ug/l	100
4) Vinyl Chloride	1.607	62	103237	9.687	ug/l	99
5) Bromomethane	1.861	94	58496	9.359	ug/l	97
6) Chloroethane	1.938	64	61468	9.647	ug/l	100
7) Trichlorofluoromethane	2.144	101	144159	9.784	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	82482	9.797	ug/l	89
9) 1,1-Dichloroethene	2.584	96	80669	9.695	ug/l	91
10) Iodomethane	2.729	142	49968	11.199	ug/l	98
11) Allyl Chloride	2.928	41	100403	9.596	ug/l	100
12) Acrylonitrile	3.324	53	37915	20.649	ug/l	92
13) Acetone	2.645	43	57490	46.036	ug/l	98
14) Carbon Disulfide	2.800	76	254345	9.674	ug/l	100
15) Methylene Chloride	3.051	84	97926	10.273	ug/l	92
16) trans-1,2-Dichloroethene	3.356	96	88396	10.104	ug/l	92
17) 1,1-Dichloroethane	3.874	63	146848	9.890	ug/l	99
18) 2-Butanone	4.723	43	100423	51.632	ug/l	98
19) Cyclohexane	5.391	56	116015m	10.415	ug/l	
20) Methylcyclohexane	6.764	83	134660	10.537	ug/l	94
21) 2,2-Dichloropropane	4.671	77	126674	9.705	ug/l	95
22) cis-1,2-Dichloroethene	4.671	96	95161	10.015	ug/l	88
23) Diethyl Ether	2.382	59	58716	9.659	ug/l	96
24) tert-Butyl Alcohol	3.240	59	38967	92.938	ug/l #	88
25) Methyl tert-Butyl Ether	3.372	73	206769	10.208	ug/l	95
26) Bromochloromethane	4.980	128	46703	9.717	ug/l	81
27) Chloroform	5.092	83	161356	10.055	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	139699	10.023	ug/l	96
29) 1,1-Dichloropropene	5.530	75	116056	10.274	ug/l	95
30) Carbon Tetrachloride	5.530	117	126101	10.154	ug/l	100
31) Isopropyl Ether	4.002	45	203613	10.329	ug/l	96
32) Ethyl-t-butyl ether	4.510	59	208659	10.486	ug/l	94
33) Tert-Amyl methyl ether	5.948	73	196770	10.520	ug/l	96
34) Propionitrile	4.800	54	27916	49.322	ug/l #	89
35) Benzene	5.777	78	343883	10.175	ug/l	100
36) 1,2-Dichloroethane	5.800	62	102416	10.017	ug/l	99
37) Trichloroethene	6.546	130	97447	9.980	ug/l	92
38) 1,2-Dichloropropane	6.793	63	87566	10.061	ug/l	99
39) Methacrylonitrile	4.983	41	24993	10.257	ug/l #	91
40) Methyl acrylate	4.854	55	46360	11.258	ug/l #	95
41) Tetrahydrofuran	5.070	42	24394	19.730	ug/l	94
42) 1-Chlorobutane	5.462	56	149790	10.289	ug/l	97
43) Dibromomethane	6.922	93	51243	9.825	ug/l #	85
44) Bromodichloromethane	7.108	83	120703	9.976	ug/l #	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.796	43	266347	51.080	ug/l	97
46) t-1,4-Dichloro-2-butene	10.838	75	51969m	22.945	ug/l	
47) Methyl methacrylate	6.964	69	90511	21.453	ug/l	88
48) Ethyl methacrylate	8.337	69	88362	11.114	ug/l	88
49) Toluene	7.970	92	220631	10.623	ug/l	97
50) t-1,3-Dichloropropene	8.214	75	115830	10.332	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	124601	10.096	ug/l	94
52) 1,1,2-Trichloroethane	8.404	97	74587	10.276	ug/l	98
53) 1,3-Dichloropropane	8.578	76	121127	10.251	ug/l	99
54) 2-Hexanone	8.690	43	205025	53.854	ug/l	98
55) Dibromochloromethane	8.812	129	92549	10.096	ug/l	100
56) 1,2-Dibromoethane	8.925	107	72913	10.091	ug/l	97
58) Tetrachloroethene	8.555	164	88557	9.837	ug/l	95
59) Chlorobenzene	9.449	112	248941	10.283	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	94041	10.007	ug/l	98
61) Pentachloroethane	11.430	117	79585	10.007	ug/l #	82
62) Hexachloroethane	12.478	117	80384	10.181	ug/l #	68
63) Ethyl Benzene	9.571	91	410835	10.833	ug/l	98
64) m/p-Xylenes	9.693	106	330643	21.977	ug/l	95
65) o-Xylene	10.102	106	156633	11.002	ug/l	95
66) Styrene	10.115	104	278721	11.351	ug/l	95
67) Bromoform	10.291	173	63616	10.427	ug/l #	98
69) Isopropylbenzene	10.488	105	414816	11.004	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.783	83	97998	10.138	ug/l	98
71) 1,2,3-Trichloropropane	10.832	75	76730m	10.055	ug/l	
72) Bromobenzene	10.783	156	117715	10.416	ug/l	77
73) n-propylbenzene	10.909	120	122632	11.210	ug/l	82
74) 2-Chlorotoluene	10.986	126	109970	10.946	ug/l	77
75) 1,3,5-Trimethylbenzene	11.089	105	363016	9.698	ug/l	96
76) 4-Chlorotoluene	11.098	126	117892	11.028	ug/l	73
77) tert-Butylbenzene	11.423	119	360014	10.965	ug/l	92
78) 1,2,4-Trimethylbenzene	11.468	105	370922	9.689	ug/l	95
79) sec-Butylbenzene	11.645	105	475111	11.102	ug/l	96
80) Nitrobenzene	13.211	77	20201	51.175	ug/l	91
81) p-Isopropyltoluene	11.796	119	407346	9.496	ug/l	96
82) 1,3-Dichlorobenzene	11.748	146	229752	10.291	ug/l	96
83) 1,4-Dichlorobenzene	11.838	146	236200	10.521	ug/l	96
84) n-Butylbenzene	12.211	91	374982	9.319	ug/l	96
85) 1,2-Dichlorobenzene	12.214	146	225729	10.524	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.999	75	16899	10.366	ug/l #	68
87) 1,2,4-Trichlorobenzene	13.841	180	166358	10.861	ug/l	98
88) Hexachlorobutadiene	14.021	225	93945	10.217	ug/l	98
89) Naphthalene	14.089	128	285099	10.958	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	158997	11.012	ug/l	97

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

