

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031822\
 Data File : VU047621.D
 Acq On : 18 Mar 2022 18:13
 Operator : SY/MD
 Sample : N1645-07 0.4PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2022

Quant Time: Mar 19 05:57:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Mar 19 05:55:19 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.118	96	28353	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	9280	0.878	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	12028	0.939	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	3368	0.329	ug/l	97
3) Chloromethane	1.530	50	3736	0.373	ug/l	91
4) Vinyl Chloride	1.607	62	3638	0.375	ug/l	98
5) Bromomethane	1.861	94	1904	0.334	ug/l	97
6) Chloroethane	1.938	64	2103	0.362	ug/l	98
7) Trichlorofluoromethane	2.144	101	4940	0.368	ug/l	93
8) 1,1,2-Trichloro-1,2,2-...	2.585	101	2703	0.352	ug/l	93
9) 1,1-Dichloroethene	2.585	96	2830	0.373	ug/l	87
10) Iodomethane	2.726	142	991	0.320	ug/l	88
11) Allyl Chloride	2.929	41	3914	0.410	ug/l	96
12) Acrylonitrile	3.334	53	1346	0.804	ug/l	# 86
13) Acetone	2.642	43	2586	2.272	ug/l	91
14) Carbon Disulfide	2.800	76	9003	0.376	ug/l	99
15) Methylene Chloride	3.051	84	4948	0.448	ug/l	88
16) trans-1,2-Dichloroethene	3.359	96	3233	0.406	ug/l	85
17) 1,1-Dichloroethane	3.877	63	5146	0.380	ug/l	# 95
18) 2-Butanone	4.736	43	2872	1.620	ug/l	77
19) Cyclohexane	5.388	56	3500m	0.345	ug/l	
20) Methylcyclohexane	6.764	83	3931	0.338	ug/l	90
21) 2,2-Dichloropropane	4.668	77	4278	0.360	ug/l	99
22) cis-1,2-Dichloroethene	4.674	96	3153	0.364	ug/l	85
23) Diethyl Ether	2.382	59	2009	0.363	ug/l	87
24) tert-Butyl Alcohol	3.240	59	1087m	2.845	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	6841	0.371	ug/l	# 85
26) Bromochloromethane	4.980	128	1573	0.359	ug/l	83
27) Chloroform	5.092	83	6052	0.414	ug/l	98
28) 1,1,1-Trichloroethane	5.321	97	4585	0.361	ug/l	97
29) 1,1-Dichloropropene	5.533	75	3525	0.342	ug/l	94
30) Carbon Tetrachloride	5.527	117	4163	0.368	ug/l	96
31) Isopropyl Ether	4.002	45	6406	0.357	ug/l	92
32) Ethyl-t-butyl ether	4.511	59	6341	0.350	ug/l	95
33) Tert-Amyl methyl ether	5.948	73	5680	0.333	ug/l	# 94
34) Propionitrile	4.822	54	605	1.263	ug/l	# 66
35) Benzene	5.781	78	10849	0.352	ug/l	99
36) 1,2-Dichloroethane	5.800	62	3621	0.389	ug/l	# 91
37) Trichloroethene	6.546	130	3017	0.339	ug/l	94
38) 1,2-Dichloropropane	6.793	63	2746	0.346	ug/l	# 87
39) Methacrylonitrile	4.993	41	769	0.346	ug/l	# 72
40) Methyl acrylate	4.867	55	1149	0.306	ug/l	# 70
41) Tetrahydrofuran	5.086	42	795	0.706	ug/l	# 86
42) 1-Chlorobutane	5.465	56	4727	0.356	ug/l	96
43) Dibromomethane	6.928	93	1754	0.369	ug/l	# 88
44) Bromodichloromethane	7.108	83	4124	0.374	ug/l	94

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45) 4-Methyl-2-Pentanone	7.803	43	7394	1.556	ug/l	98
46) t-1,4-Dichloro-2-butene	10.835	75	1511m	0.732	ug/l	
47) Methyl methacrylate	6.970	69	2257	0.587	ug/l	91
48) Ethyl methacrylate	8.340	69	2252	0.311	ug/l	87
49) Toluene	7.970	92	6088	0.322	ug/l	94
50) t-1,3-Dichloropropene	8.215	75	3348	0.328	ug/l	95
51) cis-1,3-Dichloropropene	7.613	75	3722	0.331	ug/l	97
52) 1,1,2-Trichloroethane	8.404	97	2469	0.373	ug/l	95
53) 1,3-Dichloropropane	8.578	76	3649	0.339	ug/l	98
54) 2-Hexanone	8.697	43	5473	1.577	ug/l	88
55) Dibromochloromethane	8.813	129	3221	0.386	ug/l	91
56) 1,2-Dibromoethane	8.928	107	2237	0.340	ug/l	95
58) Tetrachloroethene	8.555	164	2858	0.348	ug/l	95
59) Chlorobenzene	9.449	112	7979	0.362	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.536	131	3085	0.360	ug/l	93
61) Pentachloroethane	11.427	117	2703	0.373	ug/l	98
62) Hexachloroethane	12.475	117	2478	0.344	ug/l #	79
63) Ethyl Benzene	9.571	91	10706	0.310	ug/l	98
64) m/p-Xylenes	9.694	106	7700	0.562	ug/l	96
65) o-Xylene	10.102	106	4105	0.316	ug/l	91
66) Styrene	10.118	104	6608	0.295	ug/l	93
67) Bromoform	10.298	173	1896	0.341	ug/l #	96
69) Isopropylbenzene	10.485	105	10156	0.296	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.784	83	3257	0.370	ug/l	98
71) 1,2,3-Trichloropropane	10.829	75	2345m	0.337	ug/l	
72) Bromobenzene	10.784	156	3463	0.336	ug/l	79
73) n-propylbenzene	10.909	120	2733	0.274	ug/l	92
74) 2-Chlorotoluene	10.989	126	2762	0.302	ug/l	73
75) 1,3,5-Trimethylbenzene	11.089	105	8156	0.279	ug/l	99
76) 4-Chlorotoluene	11.099	126	2684	0.275	ug/l	87
77) tert-Butylbenzene	11.423	119	9096	0.304	ug/l	88
78) 1,2,4-Trimethylbenzene	11.468	105	7949	0.266	ug/l	92
79) sec-Butylbenzene	11.645	105	11128	0.285	ug/l	100
80) Nitrobenzene	13.227	77	501	1.393	ug/l #	81
81) p-Isopropyltoluene	11.793	119	8445	0.257	ug/l	99
82) 1,3-Dichlorobenzene	11.748	146	7002	0.344	ug/l	97
83) 1,4-Dichlorobenzene	11.838	146	6956	0.340	ug/l	93
84) n-Butylbenzene	12.211	91	8935	0.289	ug/l	93
85) 1,2-Dichlorobenzene	12.214	146	6781	0.347	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.999	75	455	0.306	ug/l #	80
87) 1,2,4-Trichlorobenzene	13.841	180	4630	0.332	ug/l	97
88) Hexachlorobutadiene	14.021	225	2843	0.339	ug/l	96
89) Naphthalene	14.089	128	6429	0.271	ug/l	97
90) 1,2,3-Trichlorobenzene	14.330	180	4259	0.324	ug/l	93

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

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