

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031822\
 Data File : VU047619.D
 Acq On : 18 Mar 2022 17:18
 Operator : SY/MD
 Sample : N1645-08 1.00PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2022

Quant Time: Mar 19 05:56:19 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	30189	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.636	95	9943	0.884	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	12703	0.931	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	11264	1.033	ug/l	95
3) Chloromethane	1.530	50	11269	1.058	ug/l	100
4) Vinyl Chloride	1.607	62	10385	1.004	ug/l	99
5) Bromomethane	1.861	94	5727	0.944	ug/l	95
6) Chloroethane	1.938	64	6415	1.038	ug/l	99
7) Trichlorofluoromethane	2.144	101	14271	0.998	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	8293	1.015	ug/l	92
9) 1,1-Dichloroethene	2.588	96	8018	0.993	ug/l	86
10) Iodomethane	2.729	142	3333	1.010	ug/l	93
11) Allyl Chloride	2.929	41	10620	1.046	ug/l	100
12) Acrylonitrile	3.324	53	3683	2.067	ug/l	98
13) Acetone	2.639	43	5334m	4.402	ug/l	
14) Carbon Disulfide	2.800	76	26222	1.028	ug/l	99
15) Methylene Chloride	3.051	84	15259	1.299	ug/l	95
16) trans-1,2-Dichloroethene	3.356	96	8968	1.056	ug/l	86
17) 1,1-Dichloroethane	3.877	63	14529	1.008	ug/l	99
18) 2-Butanone	4.726	43	7863	4.166	ug/l	96
19) Cyclohexane	5.391	56	10963m	1.014	ug/l	
20) Methylcyclohexane	6.764	83	11338	0.914	ug/l	100
21) 2,2-Dichloropropane	4.671	77	12829	1.013	ug/l	95
22) cis-1,2-Dichloroethene	4.674	96	8991	0.975	ug/l	88
23) Diethyl Ether	2.382	59	6046	1.025	ug/l	94
24) tert-Butyl Alcohol	3.218	59	3895m	9.574	ug/l	
25) Methyl tert-Butyl Ether	3.369	73	20627	1.050	ug/l	95
26) Bromochloromethane	4.980	128	4635	0.994	ug/l	83
27) Chloroform	5.092	83	16363	1.051	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	13746	1.016	ug/l	96
29) 1,1-Dichloropropene	5.530	75	10751	0.981	ug/l	95
30) Carbon Tetrachloride	5.530	117	12879	1.069	ug/l	94
31) Isopropyl Ether	4.006	45	19000	0.993	ug/l	93
32) Ethyl-t-butyl ether	4.514	59	19600	1.015	ug/l	93
33) Tert-Amyl methyl ether	5.948	73	17441	0.961	ug/l	99
34) Propionitrile	4.803	54	2302m	4.512	ug/l	
35) Benzene	5.777	78	33842	1.032	ug/l	100
36) 1,2-Dichloroethane	5.800	62	10253	1.034	ug/l	97
37) Trichloroethene	6.546	130	9590	1.012	ug/l	92
38) 1,2-Dichloropropane	6.793	63	8255	0.977	ug/l	96
39) Methacrylonitrile	4.986	41	2272	0.961	ug/l	97
40) Methyl acrylate	4.861	55	3931	0.984	ug/l	# 92
41) Tetrahydrofuran	5.076	42	2096	1.747	ug/l	# 82
42) 1-Chlorobutane	5.462	56	14193	1.005	ug/l	98
43) Dibromomethane	6.925	93	4966	0.981	ug/l	# 83
44) Bromodichloromethane	7.108	83	12017	1.024	ug/l	99

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45) 4-Methyl-2-Pentanone	7.800	43	22357	4.419	ug/l	97
46) t-1,4-Dichloro-2-butene	10.835	75	5018m	2.283	ug/l	
47) Methyl methacrylate	6.967	69	7561	1.847	ug/l	89
48) Ethyl methacrylate	8.340	69	7159	0.928	ug/l	89
49) Toluene	7.973	92	20318	1.008	ug/l	99
50) t-1,3-Dichloropropene	8.214	75	10450	0.961	ug/l	91
51) cis-1,3-Dichloropropene	7.610	75	10982	0.917	ug/l	93
52) 1,1,2-Trichloroethane	8.404	97	6945	0.986	ug/l	97
53) 1,3-Dichloropropane	8.578	76	11755	1.025	ug/l	100
54) 2-Hexanone	8.694	43	17164	4.646	ug/l	95
55) Dibromochloromethane	8.813	129	9215	1.036	ug/l	97
56) 1,2-Dibromoethane	8.928	107	6961	0.993	ug/l	97
58) Tetrachloroethene	8.555	164	9143	1.047	ug/l	93
59) Chlorobenzene	9.449	112	23607	1.005	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	9367	1.027	ug/l	96
61) Pentachloroethane	11.430	117	7881	1.021	ug/l	87
62) Hexachloroethane	12.478	117	7297	0.952	ug/l #	66
63) Ethyl Benzene	9.571	91	34361	0.934	ug/l	100
64) m/p-Xylenes	9.697	106	25690	1.760	ug/l	96
65) o-Xylene	10.102	106	12574	0.910	ug/l	97
66) Styrene	10.118	104	20176	0.847	ug/l	96
67) Bromoform	10.292	173	5965	1.008	ug/l #	95
69) Isopropylbenzene	10.485	105	33012	0.903	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.784	83	9843	1.049	ug/l	98
71) 1,2,3-Trichloropropane	10.829	75	6310m	0.852	ug/l	
72) Bromobenzene	10.784	156	10797	0.985	ug/l	78
73) n-propylbenzene	10.909	120	9301	0.876	ug/l	90
74) 2-Chlorotoluene	10.986	126	9306	0.955	ug/l	81
75) 1,3,5-Trimethylbenzene	11.089	105	27846	0.894	ug/l	97
76) 4-Chlorotoluene	11.099	126	10051	0.969	ug/l	72
77) tert-Butylbenzene	11.420	119	30049	0.943	ug/l	91
78) 1,2,4-Trimethylbenzene	11.468	105	28819	0.905	ug/l	98
79) sec-Butylbenzene	11.645	105	37679	0.907	ug/l	97
80) Nitrobenzene	13.214	77	1700	4.438	ug/l #	91
81) p-Isopropyltoluene	11.796	119	30927	0.884	ug/l	95
82) 1,3-Dichlorobenzene	11.748	146	21555	0.995	ug/l	95
83) 1,4-Dichlorobenzene	11.838	146	21551	0.989	ug/l	97
84) n-Butylbenzene	12.211	91	28878	0.878	ug/l	94
85) 1,2-Dichlorobenzene	12.214	146	21279	1.022	ug/l	95
86) 1,2-Dibromo-3-Chloropr...	12.999	75	1509	0.954	ug/l #	59
87) 1,2,4-Trichlorobenzene	13.841	180	13973	0.940	ug/l	96
88) Hexachlorobutadiene	14.025	225	8363	0.937	ug/l	96
89) Naphthalene	14.089	128	21262	0.842	ug/l	99
90) 1,2,3-Trichlorobenzene	14.333	180	13384	0.955	ug/l	96

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

