

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031822\
 Data File : VU047620.D
 Acq On : 18 Mar 2022 17:45
 Operator : SY/MD
 Sample : N1645-07 0.25PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Mar 19 08:54:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U031822DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sat Mar 19 08:54:43 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	28637	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	9056	0.848	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	12079	0.933	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	1573	0.152	ug/l	93
3) Chloromethane	1.533	50	2062	0.204	ug/l	95
4) Vinyl Chloride	1.607	62	1872	0.191	ug/l	94
5) Bromomethane	1.861	94	963	0.167	ug/l #	80
6) Chloroethane	1.938	64	1168	0.199	ug/l	96
7) Trichlorofluoromethane	2.144	101	2709	0.200	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	1372	0.177	ug/l #	85
9) 1,1-Dichloroethene	2.587	96	1561	0.204	ug/l	80
10) Iodomethane	2.726	142	491	0.157	ug/l	99
11) Allyl Chloride	2.928	41	2182	0.227	ug/l	97
12) Acrylonitrile	3.324	53	712	0.421	ug/l	96
13) Acetone	2.645	43	1607	1.398	ug/l #	85
14) Carbon Disulfide	2.796	76	5015	0.207	ug/l	96
15) Methylene Chloride	3.050	84	3847	0.345	ug/l	90
16) trans-1,2-Dichloroethene	3.356	96	1557	0.193	ug/l	93
17) 1,1-Dichloroethane	3.874	63	2815	0.206	ug/l #	82
18) 2-Butanone	4.755	43	1853	1.035	ug/l	77
19) Cyclohexane	5.388	56	1909	0.186	ug/l #	92
20) Methylcyclohexane	6.764	83	2015	0.171	ug/l	92
21) 2,2-Dichloropropane	4.668	77	2221	0.185	ug/l	94
22) cis-1,2-Dichloroethene	4.668	96	1447m	0.165	ug/l	
23) Diethyl Ether	2.385	59	1112	0.199	ug/l	98
24) tert-Butyl Alcohol	3.237	59	932m	2.415	ug/l	
25) Methyl tert-Butyl Ether	3.375	73	3661	0.196	ug/l #	76
26) Bromochloromethane	4.986	128	691	0.156	ug/l	89
27) Chloroform	5.092	83	3446	0.233	ug/l	100
28) 1,1,1-Trichloroethane	5.320	97	2376	0.185	ug/l	96
29) 1,1-Dichloropropene	5.533	75	1936	0.186	ug/l	97
30) Carbon Tetrachloride	5.526	117	2148	0.188	ug/l #	81
31) Isopropyl Ether	4.002	45	3453	0.190	ug/l	81
32) Ethyl-t-butyl ether	4.513	59	3130	0.171	ug/l	92
33) Tert-Amyl methyl ether	5.951	73	3111	0.181	ug/l #	93
34) Propionitrile	4.838	54	341m	0.705	ug/l	
35) Benzene	5.777	78	6256	0.201	ug/l	100
36) 1,2-Dichloroethane	5.806	62	1766	0.188	ug/l #	90
37) Trichloroethene	6.542	130	1745	0.194	ug/l	87
38) 1,2-Dichloropropane	6.796	63	1364	0.170	ug/l	99
39) Methacrylonitrile	4.989	41	350	0.156	ug/l #	55
40) Methyl acrylate	4.867	55	524	0.138	ug/l #	70
41) Tetrahydrofuran	5.076	42	541m	0.475	ug/l	
42) 1-Chlorobutane	5.459	56	2362	0.176	ug/l	94
43) Dibromomethane	6.922	93	812	0.169	ug/l #	69
44) Bromodichloromethane	7.111	83	2271	0.204	ug/l #	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.803	43	4425	0.922	ug/l	94
46) t-1,4-Dichloro-2-butene	10.838	75	680m	0.326	ug/l	
47) Methyl methacrylate	6.973	69	1260	0.324	ug/l	91
48) Ethyl methacrylate	8.340	69	1205	0.165	ug/l	86
49) Toluene	7.973	92	3604	0.189	ug/l	95
50) t-1,3-Dichloropropene	8.214	75	1653	0.160	ug/l #	64
51) cis-1,3-Dichloropropene	7.616	75	1934	0.170	ug/l	93
52) 1,1,2-Trichloroethane	8.401	97	1284	0.192	ug/l	95
53) 1,3-Dichloropropane	8.578	76	2018	0.186	ug/l	99
54) 2-Hexanone	8.697	43	3258	0.930	ug/l	93
55) Dibromochloromethane	8.812	129	1671	0.198	ug/l	88
56) 1,2-Dibromoethane	8.928	107	1206	0.181	ug/l	97
58) Tetrachloroethene	8.558	164	1715	0.207	ug/l	85
59) Chlorobenzene	9.452	112	4105	0.184	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.539	131	1676	0.194	ug/l	97
61) Pentachloroethane	11.430	117	1247	0.170	ug/l #	73
62) Hexachloroethane	12.478	117	1206	0.166	ug/l #	60
63) Ethyl Benzene	9.574	91	5813	0.167	ug/l	100
64) m/p-Xylenes	9.697	106	4149	0.300	ug/l	98
65) o-Xylene	10.102	106	2090	0.159	ug/l	99
66) Styrene	10.118	104	3280	0.145	ug/l	92
67) Bromoform	10.291	173	971	0.173	ug/l #	91
69) Isopropylbenzene	10.484	105	5554	0.160	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.783	83	1676	0.188	ug/l #	93
71) 1,2,3-Trichloropropane	10.825	75	1224m	0.174	ug/l	
72) Bromobenzene	10.787	156	1854	0.178	ug/l	80
73) n-propylbenzene	10.905	120	1529	0.152	ug/l	92
74) 2-Chlorotoluene	10.986	126	1293	0.140	ug/l	86
75) 1,3,5-Trimethylbenzene	11.092	105	4332	0.147	ug/l	99
76) 4-Chlorotoluene	11.102	126	1675	0.170	ug/l	65
77) tert-Butylbenzene	11.423	119	5001	0.165	ug/l	89
78) 1,2,4-Trimethylbenzene	11.471	105	4178	0.138	ug/l	94
79) sec-Butylbenzene	11.645	105	5962	0.151	ug/l	96
80) Nitrobenzene	13.224	77	271	0.746	ug/l #	42
81) p-Isopropyltoluene	11.793	119	4421	0.133	ug/l	96
82) 1,3-Dichlorobenzene	11.751	146	3823	0.186	ug/l	94
83) 1,4-Dichlorobenzene	11.838	146	3718	0.180	ug/l	93
84) n-Butylbenzene	12.211	91	5107	0.164	ug/l	93
85) 1,2-Dichlorobenzene	12.214	146	3772	0.191	ug/l	95
86) 1,2-Dibromo-3-Chloropr...	13.002	75	233	0.155	ug/l #	82
87) 1,2,4-Trichlorobenzene	13.844	180	3021	0.214	ug/l	95
88) Hexachlorobutadiene	14.021	225	1742	0.206	ug/l	99
89) Naphthalene	14.089	128	4983	0.208	ug/l	95
90) 1,2,3-Trichlorobenzene	14.330	180	2905	0.219	ug/l #	93

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

