

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032122\
 Data File : VU047628.D
 Acq On : 21 Mar 2022 13:12
 Operator : SY/MD
 Sample : N1645-09 0.25PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2022

Quant Time: Mar 22 01:48:30 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

Manual Integrations APPROVED

Reviewed By : John Carlone 03/22/2022
 Supervised By : Mahesh Dadoda 04/01/2022

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

Internal Standards						
1) Fluorobenzene	6.118	96	28962	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	9445	0.875	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	11753	0.898	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	2270	0.217	ug/l	98
3) Chloromethane	1.527	50	2722	0.266	ug/l	95
4) Vinyl Chloride	1.607	62	2365	0.238	ug/l	96
5) Bromomethane	1.864	94	1227	0.211	ug/l	95
6) Chloroethane	1.938	64	1581	0.267	ug/l	97
7) Trichlorofluoromethane	2.144	101	3024	0.220	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	1699	0.217	ug/l	89
9) 1,1-Dichloroethene	2.584	96	1832	0.237	ug/l	96
10) Iodomethane	2.729	142	762	1.295	ug/l	# 74
11) Allyl Chloride	2.928	41	2591	0.266	ug/l	94
12) Acrylonitrile	3.337	53	806	0.472	ug/l	96
13) Acetone	2.652	43	2265	1.948	ug/l	95
14) Carbon Disulfide	2.800	76	5910	0.241	ug/l	99
15) Methylene Chloride	3.051	84	5450	0.037	ug/l	98
16) trans-1,2-Dichloroethene	3.356	96	1958	0.240	ug/l	98
17) 1,1-Dichloroethane	3.877	63	3255	0.235	ug/l	# 92
18) 2-Butanone	4.735	43	1882	1.039	ug/l	77
19) Cyclohexane	5.398	56	2232m	0.215	ug/l	
20) Methylcyclohexane	6.767	83	2462	0.207	ug/l	92
21) 2,2-Dichloropropane	4.671	77	2802	0.231	ug/l	98
22) cis-1,2-Dichloroethene	4.674	96	1909	0.216	ug/l	95
23) Diethyl Ether	2.385	59	1265	0.224	ug/l	# 78
24) tert-Butyl Alcohol	3.243	59	902m	2.311	ug/l	
25) Methyl tert-Butyl Ether	3.369	73	4425	0.235	ug/l	# 80
26) Bromochloromethane	4.980	128	996	0.223	ug/l	78
27) Chloroform	5.096	83	3731	0.250	ug/l	91
28) 1,1,1-Trichloroethane	5.321	97	3050	0.235	ug/l	94
29) 1,1-Dichloropropene	5.530	75	2316	0.220	ug/l	99
30) Carbon Tetrachloride	5.530	117	2555	0.221	ug/l	95
31) Isopropyl Ether	4.005	45	4013	0.219	ug/l	86
32) Ethyl-t-butyl ether	4.514	59	3886	0.210	ug/l	# 70
33) Tert-Amyl methyl ether	5.951	73	3667	0.211	ug/l	98
34) Propionitrile	4.822	54	388m	0.406	ug/l	
35) Benzene	5.777	78	7336	0.233	ug/l	100
36) 1,2-Dichloroethane	5.803	62	2045	0.215	ug/l	# 75
37) Trichloroethene	6.546	130	2257	0.248	ug/l	90
38) 1,2-Dichloropropane	6.800	63	1697	0.209	ug/l	99
39) Methacrylonitrile	4.993	41	430	0.190	ug/l	# 73
40) Methyl acrylate	4.867	55	654	0.171	ug/l	# 73
41) Tetrahydrofuran	5.083	42	554	0.481	ug/l	# 71
42) 1-Chlorobutane	5.465	56	2846	0.210	ug/l	100
43) Dibromomethane	6.925	93	1025	0.211	ug/l	# 82
44) Bromodichloromethane	7.111	83	2632	0.234	ug/l	# 93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.803	43	5396	1.112	ug/l	96
46) t-1,4-Dichloro-2-butene	10.835	75	1143m	0.542	ug/l	
47) Methyl methacrylate	6.973	69	1451	0.369	ug/l	92
48) Ethyl methacrylate	8.340	69	1449	0.196	ug/l	92
49) Toluene	7.973	92	4113	0.213	ug/l	92
50) t-1,3-Dichloropropene	8.214	75	2304	0.221	ug/l #	55
51) cis-1,3-Dichloropropene	7.613	75	2474	0.215	ug/l	90
52) 1,1,2-Trichloroethane	8.407	97	1496	0.221	ug/l	96
53) 1,3-Dichloropropane	8.578	76	2442	0.222	ug/l	90
54) 2-Hexanone	8.697	43	3945	1.113	ug/l	94
55) Dibromochloromethane	8.812	129	1812	0.212	ug/l	96
56) 1,2-Dibromoethane	8.928	107	1317	0.196	ug/l	88
58) Tetrachloroethene	8.555	164	1841	0.220	ug/l	90
59) Chlorobenzene	9.449	112	4942	0.219	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	1856	0.212	ug/l	95
61) Pentachloroethane	11.430	117	1648	0.223	ug/l	87
62) Hexachloroethane	12.478	117	1435	0.195	ug/l #	69
63) Ethyl Benzene	9.574	91	6943	0.197	ug/l	98
64) m/p-Xylenes	9.697	106	5063	0.362	ug/l	95
65) o-Xylene	10.105	106	2538	0.192	ug/l	98
66) Styrene	10.118	104	3975	0.174	ug/l	95
67) Bromoform	10.291	173	1136	0.200	ug/l #	89
69) Isopropylbenzene	10.484	105	6223	0.177	ug/l	92
70) 1,1,2,2-Tetrachloroethane	10.783	83	1826	0.203	ug/l	87
71) 1,2,3-Trichloropropane	10.828	75	1352m	0.190	ug/l	
72) Bromobenzene	10.787	156	2276	0.216	ug/l	84
73) n-propylbenzene	10.909	120	1823	0.179	ug/l	94
74) 2-Chlorotoluene	10.989	126	1786	0.191	ug/l	84
75) 1,3,5-Trimethylbenzene	11.089	105	5231	0.494	ug/l	100
76) 4-Chlorotoluene	11.098	126	1907	0.192	ug/l	76
77) tert-Butylbenzene	11.426	119	5893	0.193	ug/l	90
78) 1,2,4-Trimethylbenzene	11.468	105	5446	0.494	ug/l	95
79) sec-Butylbenzene	11.645	105	7248	0.182	ug/l	96
80) Nitrobenzene	13.217	77	376	1.023	ug/l #	49
81) p-Isopropyltoluene	11.796	119	5649	0.563	ug/l	96
82) 1,3-Dichlorobenzene	11.748	146	4704m	0.226	ug/l	
83) 1,4-Dichlorobenzene	11.838	146	4605	0.220	ug/l	95
84) n-Butylbenzene	12.211	91	6418	0.616	ug/l	93
85) 1,2-Dichlorobenzene	12.214	146	4285	0.215	ug/l	95
86) 1,2-Dibromo-3-Chloropr...	13.002	75	285	0.188	ug/l #	79
87) 1,2,4-Trichlorobenzene	13.844	180	3520	0.247	ug/l #	95
88) Hexachlorobutadiene	14.021	225	2106	0.246	ug/l	96
89) Naphthalene	14.092	128	6885	0.284	ug/l	96
90) 1,2,3-Trichlorobenzene	14.333	180	3547	0.264	ug/l	96

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

