

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101922\
 Data File : VU051457.D
 Acq On : 19 Oct 2022 14:49
 Operator : JC/MD
 Sample : N3980-09 0.4PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2022

Quant Time: Oct 20 07:42:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 20 07:37:57 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/20/2022
 Supervised By :Mahesh Dadoda 10/25/2022

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

Internal Standards						
1) Fluorobenzene	6.112	96	46742	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	12722	0.776	ug/l	0.00
Spiked Amount 1.000			Recovery	=	78.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	15460	0.844	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	5616	0.344	ug/l	96
3) Chloromethane	1.536	50	9508	0.370	ug/l	97
4) Vinyl Chloride	1.604	62	7286	0.327	ug/l	99
5) Bromomethane	1.855	94	5393	0.434	ug/l	92
6) Chloroethane	1.929	64	6585	0.519	ug/l	# 83
7) Trichlorofluoromethane	2.141	101	8628	0.347	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	5071	0.369	ug/l	98
9) 1,1-Dichloroethene	2.581	96	5339	0.372	ug/l	87
10) Iodomethane	2.720	142	6210	0.334	ug/l	98
11) Allyl Chloride	2.922	41	8257	0.377	ug/l	94
12) Acrylonitrile	3.318	53	3190	0.756	ug/l	# 67
13) Acetone	2.636	43	6314m	2.077	ug/l	
14) Carbon Disulfide	2.790	76	18237	0.357	ug/l	98
15) Methylene Chloride	3.044	84	14126	0.672	ug/l	93
16) trans-1,2-Dichloroethene	3.346	96	5634	0.343	ug/l	95
17) 1,1-Dichloroethane	3.867	63	10562	0.357	ug/l	94
18) 2-Butanone	4.729	43	5623	1.525	ug/l	98
19) Cyclohexane	5.385	56	4652m	0.254	ug/l	
20) Methylcyclohexane	6.761	83	4620	0.254	ug/l	91
21) 2,2-Dichloropropane	4.665	77	7617	0.369	ug/l	96
22) cis-1,2-Dichloroethene	4.665	96	4658	0.299	ug/l	94
23) Diethyl Ether	2.379	59	4536	0.362	ug/l	95
24) tert-Butyl Alcohol	3.205	59	4672m	3.557	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	12022	0.322	ug/l	# 82
26) Bromochloromethane	4.977	128	2500	0.330	ug/l	95
27) Chloroform	5.089	83	10350	0.346	ug/l	97
28) 1,1,1-Trichloroethane	5.314	97	7845	0.328	ug/l	98
29) 1,1-Dichloropropene	5.523	75	5256	0.287	ug/l	96
30) Carbon Tetrachloride	5.520	117	7075	0.351	ug/l	# 92
31) Isopropyl Ether	3.999	45	10170	0.291	ug/l	82
32) Ethyl-t-butyl ether	4.504	59	8581	0.269	ug/l	90
33) Tert-Amyl methyl ether	5.944	73	7054	0.251	ug/l	95
34) Propionitrile	4.797	54	1819	1.467	ug/l	# 79
35) Benzene	5.774	78	18632	0.303	ug/l	96
36) 1,2-Dichloroethane	5.797	62	6175	0.326	ug/l	95
37) Trichloroethene	6.539	130	4707	0.326	ug/l	95
38) 1,2-Dichloropropane	6.790	63	5223	0.310	ug/l	98
39) Methacrylonitrile	4.983	41	1261	0.298	ug/l	# 55
40) Methyl acrylate	4.877	55	1655	0.245	ug/l	# 66
41) Tetrahydrofuran	5.076	42	1245	0.559	ug/l	# 74
42) 1-Chlorobutane	5.456	56	7118m	0.285	ug/l	
43) Dibromomethane	6.919	93	2765	0.316	ug/l	# 78
44) Bromodichloromethane	7.105	83	7057	0.333	ug/l	99

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45) 4-Methyl-2-Pentanone	7.800	43	10356	1.244	ug/l #	93
46) t-1,4-Dichloro-2-butene	10.825	75	2980m	0.641	ug/l	
47) Methyl methacrylate	6.970	69	3155	0.472	ug/l	93
48) Ethyl methacrylate	8.337	69	2381	0.213	ug/l	99
49) Toluene	7.970	92	7380	0.219	ug/l	82
50) t-1,3-Dichloropropene	8.214	75	4435	0.260	ug/l	100
51) cis-1,3-Dichloropropene	7.607	75	5668	0.282	ug/l	93
52) 1,1,2-Trichloroethane	8.401	97	4063	0.325	ug/l	94
53) 1,3-Dichloropropane	8.575	76	5840	0.290	ug/l	94
54) 2-Hexanone	8.687	43	6949	1.213	ug/l	86
55) Dibromochloromethane	8.809	129	4182	0.308	ug/l	95
56) 1,2-Dibromoethane	8.922	107	3183	0.290	ug/l	94
58) Tetrachloroethene	8.549	164	3608	0.287	ug/l	92
59) Chlorobenzene	9.449	112	9657	0.261	ug/l #	88
60) 1,1,1,2-Tetrachloroethane	9.536	131	4887	0.345	ug/l	95
61) Pentachloroethane	11.427	117	3740	0.296	ug/l	98
62) Hexachloroethane	12.475	117	3540	0.295	ug/l	85
63) Ethyl Benzene	9.568	91	12685	0.226	ug/l	93
64) m/p-Xylenes	9.694	106	8434	0.377	ug/l	89
65) o-Xylene	10.099	106	4536	0.209	ug/l	96
67) Bromoform	10.292	173	2375	0.312	ug/l #	95
69) Isopropylbenzene	10.484	105	11254	0.210	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.784	83	4991	0.295	ug/l	93
71) 1,2,3-Trichloropropane	10.825	75	3928m	0.313	ug/l	
72) Bromobenzene	10.784	156	3709	0.252	ug/l	97
74) 2-Chlorotoluene	10.983	126	2968	0.207	ug/l	99
76) 4-Chlorotoluene	11.095	126	2998	0.205	ug/l	82
77) tert-Butylbenzene	11.420	119	10660	0.225	ug/l	92
80) Nitrobenzene	13.217	77	939	1.123	ug/l #	69
82) 1,3-Dichlorobenzene	11.748	146	7663	0.242	ug/l	97
83) 1,4-Dichlorobenzene	11.838	146	6885	0.223	ug/l	95
85) 1,2-Dichlorobenzene	12.211	146	7159	0.230	ug/l	94
86) 1,2-Dibromo-3-Chloropr...	12.999	75	632	0.239	ug/l #	89
87) 1,2,4-Trichlorobenzene	13.841	180	3924	0.233	ug/l	98
88) Hexachlorobutadiene	14.018	225	3002	0.273	ug/l	95

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

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