

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022823\
 Data File : VU053169.D
 Acq On : 28 Feb 2023 13:19
 Operator : JC/MD
 Sample : 01627-09 0.4PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Quant Time: Mar 01 03:55:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U022723DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Mar 01 03:54:45 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 03/01/2023
 Supervised By :Mahesh Dadoda 03/01/2023

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

Internal Standards						
1) Fluorobenzene	6.113	96	24076	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.633	95	9410	0.926	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	8039	0.998	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.386	85	1544	0.253	ug/l	96
3) Chloromethane	1.521	50	1842	0.293	ug/l	97
4) Vinyl Chloride	1.605	62	1915	0.286	ug/l	92
5) Bromomethane	1.862	94	1171	0.307	ug/l	99
6) Chloroethane	1.939	64	1153	0.283	ug/l	93
7) Trichlorofluoromethane	2.142	101	2668	0.276	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.589	101	1653	0.274	ug/l	89
9) 1,1-Dichloroethene	2.582	96	1437	0.274	ug/l	88
10) Iodomethane	2.727	142	1312	0.243	ug/l	92
11) Allyl Chloride	2.930	41	2690	0.329	ug/l	93
12) Acrylonitrile	3.315	53	924	0.689	ug/l	# 70
13) Acetone	2.653	43	3001m	1.564	ug/l	
14) Carbon Disulfide	2.794	76	3338	0.278	ug/l	# 93
15) Methylene Chloride	3.045	84	3566	0.476	ug/l	88
16) trans-1,2-Dichloroethene	3.351	96	1609	0.279	ug/l	89
17) 1,1-Dichloroethane	3.865	63	3718	0.295	ug/l	# 95
18) 2-Butanone	4.724	43	3541m	1.537	ug/l	
19) Cyclohexane	5.383	56	2751m	0.273	ug/l	
20) Methylcyclohexane	6.759	83	2491	0.258	ug/l	97
21) 2,2-Dichloropropane	4.663	77	3501	0.317	ug/l	100
22) cis-1,2-Dichloroethene	4.663	96	2002	0.282	ug/l	100
23) Diethyl Ether	2.380	59	1172	0.273	ug/l	# 76
24) tert-Butyl Alcohol	3.261	59	1179m	2.340	ug/l	
25) Methyl tert-Butyl Ether	3.364	73	4276	0.281	ug/l	# 76
26) Bromochloromethane	4.968	128	801	0.291	ug/l	98
27) Chloroform	5.087	83	3857	0.297	ug/l	98
28) 1,1,1-Trichloroethane	5.315	97	3001	0.275	ug/l	98
29) 1,1-Dichloropropene	5.521	75	2241	0.274	ug/l	94
30) Carbon Tetrachloride	5.524	117	2017	0.269	ug/l	86
31) Isopropyl Ether	4.000	45	5987	0.298	ug/l	99
32) Ethyl-t-butyl ether	4.505	59	5297	0.278	ug/l	98
33) Tert-Amyl methyl ether	5.942	73	4652	0.308	ug/l	# 79
34) Propionitrile	4.814	54	923	1.723	ug/l	# 1
35) Benzene	5.772	78	6891	0.286	ug/l	91
36) 1,2-Dichloroethane	5.798	62	2104	0.292	ug/l	# 82
37) Trichloroethene	6.543	130	1527	0.276	ug/l	86
38) 1,2-Dichloropropane	6.794	63	1903	0.273	ug/l	89
39) Methacrylonitrile	4.978	41	856m	0.375	ug/l	
40) Methyl acrylate	4.859	55	1649m	0.467	ug/l	
41) Tetrahydrofuran	5.074	42	1177	1.050	ug/l	# 57
42) 1-Chlorobutane	5.454	56	3359	0.295	ug/l	90
43) Dibromomethane	6.916	93	758	0.245	ug/l	# 86
44) Bromodichloromethane	7.109	83	2151	0.254	ug/l	# 81

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45) 4-Methyl-2-Pentanone	7.794	43	5838	1.546	ug/l	96
46) t-1,4-Dichloro-2-butene	10.823	75	1448m	0.761	ug/l	
47) Methyl methacrylate	6.968	69	2010	0.631	ug/l #	93
48) Ethyl methacrylate	8.334	69	1918	0.294	ug/l	87
49) Toluene	7.971	92	4512	0.304	ug/l	97
50) t-1,3-Dichloropropene	8.209	75	2470	0.301	ug/l	97
51) cis-1,3-Dichloropropene	7.608	75	2860	0.287	ug/l	91
52) 1,1,2-Trichloroethane	8.402	97	1519	0.334	ug/l	94
53) 1,3-Dichloropropane	8.576	76	2498	0.307	ug/l	98
54) 2-Hexanone	8.695	43	4755	1.478	ug/l	89
55) Dibromochloromethane	8.807	129	1265	0.244	ug/l	94
56) 1,2-Dibromoethane	8.923	107	1244	0.308	ug/l	88
58) Tetrachloroethene	8.550	164	1144	0.259	ug/l #	81
59) Chlorobenzene	9.444	112	5109	0.308	ug/l	91
60) 1,1,1,2-Tetrachloroethane	9.527	131	1617	0.295	ug/l	92
61) Pentachloroethane	11.424	117	1259	0.264	ug/l	84
62) Hexachloroethane	12.469	117	1267	0.241	ug/l #	83
63) Ethyl Benzene	9.569	91	8509	0.278	ug/l	96
64) m/p-Xylenes	9.694	106	5869	0.528	ug/l	89
65) o-Xylene	10.096	106	3239	0.285	ug/l	97
66) Styrene	10.112	104	4785	0.266	ug/l	96
67) Bromoform	10.289	173	515	0.204	ug/l #	83
69) Isopropylbenzene	10.479	105	8577	0.282	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.778	83	1946	0.318	ug/l #	93
71) 1,2,3-Trichloropropane	10.823	75	1577m	0.299	ug/l	
72) Bromobenzene	10.784	156	1817	0.308	ug/l	91
73) n-propylbenzene	10.903	120	2080	0.258	ug/l	91
74) 2-Chlorotoluene	10.984	126	1970	0.295	ug/l	95
75) 1,3,5-Trimethylbenzene	11.087	105	6881	0.272	ug/l	98
76) 4-Chlorotoluene	11.096	126	1917	0.273	ug/l	86
77) tert-Butylbenzene	11.418	119	6503	0.262	ug/l	97
78) 1,2,4-Trimethylbenzene	11.466	105	6874	0.266	ug/l	97
79) sec-Butylbenzene	11.643	105	8894	0.258	ug/l	100
80) Nitrobenzene	13.212	77	454m	1.419	ug/l	
81) p-Isopropyltoluene	11.791	119	6849	0.251	ug/l	96
82) 1,3-Dichlorobenzene	11.749	146	3691	0.285	ug/l	96
83) 1,4-Dichlorobenzene	11.839	146	3618	0.273	ug/l	98
84) n-Butylbenzene	12.206	91	6725	0.238	ug/l	95
85) 1,2-Dichlorobenzene	12.209	146	3290	0.266	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.993	75	314	0.326	ug/l #	42
87) 1,2,4-Trichlorobenzene	13.842	180	2160	0.285	ug/l	92
88) Hexachlorobutadiene	14.019	225	951	0.257	ug/l #	88
89) Naphthalene	14.093	128	5083	0.315	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	1938	0.290	ug/l	93

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

