

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022823\
 Data File : VU053171.D
 Acq On : 28 Feb 2023 14:22
 Operator : JC/MD
 Sample : 01627-08 0.5PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT1-2023

Quant Time: Mar 01 03:57:15 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	6.112	96	24349	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	10102	0.983	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	8654	1.062	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.386	85	2315	0.375	ug/l	93
3) Chloromethane	1.524	50	2529	0.397	ug/l	95
4) Vinyl Chloride	1.605	62	2626	0.387	ug/l	92
5) Bromomethane	1.859	94	1519	0.394	ug/l	91
6) Chloroethane	1.939	64	1696	0.412	ug/l	90
7) Trichlorofluoromethane	2.142	101	3785	0.388	ug/l	86
8) 1,1,2-Trichloro-1,2,2-...	2.585	101	2313	0.379	ug/l	94
9) 1,1-Dichloroethene	2.582	96	1958	0.369	ug/l	95
10) Iodomethane	2.724	142	1803	0.331	ug/l	95
11) Allyl Chloride	2.923	41	3256	0.393	ug/l	95
12) Acrylonitrile	3.318	53	1310	0.965	ug/l #	53
13) Acetone	2.643	43	4476m	2.307	ug/l	
14) Carbon Disulfide	2.794	76	4630	0.381	ug/l	97
15) Methylene Chloride	3.045	84	5530	0.730	ug/l	92
16) trans-1,2-Dichloroethene	3.351	96	2074	0.356	ug/l	92
17) 1,1-Dichloroethane	3.868	63	4883	0.383	ug/l #	94
18) 2-Butanone	4.723	43	5612m	2.409	ug/l	
19) Cyclohexane	5.386	56	4269m	0.419	ug/l	
20) Methylcyclohexane	6.762	83	3690	0.378	ug/l	93
21) 2,2-Dichloropropane	4.659	77	4682	0.419	ug/l	96
22) cis-1,2-Dichloroethene	4.666	96	2736	0.381	ug/l	91
23) Diethyl Ether	2.379	59	1674	0.386	ug/l #	86
24) tert-Butyl Alcohol	3.251	59	2077m	4.077	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	6055	0.393	ug/l #	90
26) Bromochloromethane	4.981	128	992	0.357	ug/l	92
27) Chloroform	5.087	83	5291	0.403	ug/l	93
28) 1,1,1-Trichloroethane	5.312	97	3954	0.358	ug/l	95
29) 1,1-Dichloropropene	5.527	75	3293	0.398	ug/l	96
30) Carbon Tetrachloride	5.521	117	2692	0.354	ug/l	94
31) Isopropyl Ether	3.994	45	7367	0.362	ug/l	96
32) Ethyl-t-butyl ether	4.505	59	7135	0.370	ug/l	95
33) Tert-Amyl methyl ether	5.945	73	5877	0.384	ug/l #	91
34) Propionitrile	4.794	54	1140m	2.104	ug/l	
35) Benzene	5.772	78	9842	0.403	ug/l	97
36) 1,2-Dichloroethane	5.797	62	2929	0.402	ug/l #	82
37) Trichloroethene	6.543	130	2087	0.373	ug/l	98
38) 1,2-Dichloropropane	6.794	63	2837	0.402	ug/l	94
39) Methacrylonitrile	4.981	41	1059m	0.458	ug/l	
40) Methyl acrylate	4.855	55	1881m	0.526	ug/l	
41) Tetrahydrofuran	5.064	42	1580m	1.394	ug/l	
42) 1-Chlorobutane	5.457	56	4305	0.374	ug/l	80
43) Dibromomethane	6.916	93	1135	0.363	ug/l	92
44) Bromodichloromethane	7.106	83	3264	0.382	ug/l #	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.794	43	8167	2.139	ug/l	97
46) t-1,4-Dichloro-2-butene	10.829	75	1716m	0.892	ug/l	
47) Methyl methacrylate	6.965	69	2651	0.824	ug/l #	95
48) Ethyl methacrylate	8.337	69	2535	0.384	ug/l	97
49) Toluene	7.971	92	5833	0.388	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	3121	0.376	ug/l	94
51) cis-1,3-Dichloropropene	7.608	75	3651	0.362	ug/l #	85
52) 1,1,2-Trichloroethane	8.402	97	1864	0.406	ug/l	95
53) 1,3-Dichloropropane	8.575	76	3421	0.415	ug/l	98
54) 2-Hexanone	8.691	43	6775	2.082	ug/l	95
55) Dibromochloromethane	8.807	129	1980	0.378	ug/l	94
56) 1,2-Dibromoethane	8.923	107	1512	0.370	ug/l	89
58) Tetrachloroethene	8.550	164	1768	0.396	ug/l #	87
59) Chlorobenzene	9.447	112	6861	0.408	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.534	131	2124	0.383	ug/l	98
61) Pentachloroethane	11.424	117	1759	0.365	ug/l	84
62) Hexachloroethane	12.476	117	1640	0.308	ug/l	93
63) Ethyl Benzene	9.569	91	12272	0.396	ug/l	95
64) m/p-Xylenes	9.694	106	8496	0.755	ug/l	95
65) o-Xylene	10.096	106	4398	0.383	ug/l	97
66) Styrene	10.116	104	6636	0.364	ug/l	94
67) Bromoform	10.289	173	880	0.345	ug/l #	96
69) Isopropylbenzene	10.482	105	11893	0.387	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.781	83	2504	0.404	ug/l #	93
71) 1,2,3-Trichloropropane	10.829	75	2118m	0.398	ug/l	
72) Bromobenzene	10.781	156	2485	0.416	ug/l	95
73) n-propylbenzene	10.903	120	2927	0.359	ug/l	97
74) 2-Chlorotoluene	10.984	126	2515	0.372	ug/l	83
75) 1,3,5-Trimethylbenzene	11.087	105	9590	0.375	ug/l	99
76) 4-Chlorotoluene	11.096	126	2739	0.386	ug/l	87
77) tert-Butylbenzene	11.418	119	9522	0.380	ug/l	98
78) 1,2,4-Trimethylbenzene	11.466	105	10215	0.392	ug/l	99
79) sec-Butylbenzene	11.640	105	13886	0.399	ug/l	98
80) Nitrobenzene	13.225	77	391	1.208	ug/l #	70
81) p-Isopropyltoluene	11.791	119	10012	0.363	ug/l	98
82) 1,3-Dichlorobenzene	11.746	146	5023	0.383	ug/l	99
83) 1,4-Dichlorobenzene	11.836	146	5411	0.404	ug/l	99
84) n-Butylbenzene	12.205	91	11420	0.400	ug/l	96
85) 1,2-Dichlorobenzene	12.212	146	4996	0.400	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.993	75	331	0.340	ug/l #	66
87) 1,2,4-Trichlorobenzene	13.842	180	3067	0.400	ug/l #	93
88) Hexachlorobutadiene	14.019	225	1451	0.387	ug/l #	86
89) Naphthalene	14.090	128	7597	0.466	ug/l	98
90) 1,2,3-Trichlorobenzene	14.324	180	2817	0.417	ug/l	98

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

