

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022823\
 Data File : VU053170.D
 Acq On : 28 Feb 2023 13:50
 Operator : JC/MD
 Sample : 01627-09 0.8PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Mar 01 03:56:28 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	22889	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	10508	1.088	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	8025	1.048	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.386	85	4513	0.777	ug/l	92
3) Chloromethane	1.521	50	4280	0.715	ug/l	100
4) Vinyl Chloride	1.608	62	4717	0.740	ug/l	99
5) Bromomethane	1.862	94	2720	0.750	ug/l	97
6) Chloroethane	1.939	64	2869	0.741	ug/l	92
7) Trichlorofluoromethane	2.141	101	6565	0.716	ug/l	91
8) 1,1,2-Trichloro-1,2,2-...	2.585	101	4124	0.719	ug/l	99
9) 1,1-Dichloroethene	2.582	96	3738	0.750	ug/l	94
10) Iodomethane	2.723	142	3285	0.641	ug/l	97
11) Allyl Chloride	2.926	41	5890	0.757	ug/l	96
12) Acrylonitrile	3.325	53	1851	1.451	ug/l	# 88
13) Acetone	2.650	43	6734m	3.692	ug/l	
14) Carbon Disulfide	2.794	76	8161	0.714	ug/l	# 94
15) Methylene Chloride	3.045	84	6545	0.919	ug/l	90
16) trans-1,2-Dichloroethene	3.350	96	3877	0.708	ug/l	91
17) 1,1-Dichloroethane	3.868	63	9028	0.753	ug/l	100
18) 2-Butanone	4.720	43	7006	3.200	ug/l	99
19) Cyclohexane	5.389	56	6914m	0.722	ug/l	
20) Methylcyclohexane	6.755	83	7353	0.801	ug/l	98
21) 2,2-Dichloropropane	4.659	77	8162	0.777	ug/l	98
22) cis-1,2-Dichloroethene	4.665	96	4897	0.724	ug/l	99
23) Diethyl Ether	2.379	59	2918	0.716	ug/l	# 82
24) tert-Butyl Alcohol	3.283	59	4347m	9.077	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	10940	0.755	ug/l	# 89
26) Bromochloromethane	4.971	128	1927	0.737	ug/l	94
27) Chloroform	5.090	83	8979	0.727	ug/l	92
28) 1,1,1-Trichloroethane	5.312	97	7235	0.698	ug/l	94
29) 1,1-Dichloropropene	5.524	75	5625	0.724	ug/l	94
30) Carbon Tetrachloride	5.521	117	4804	0.673	ug/l	98
31) Isopropyl Ether	3.994	45	14912	0.780	ug/l	97
32) Ethyl-t-butyl ether	4.505	59	13240	0.731	ug/l	95
33) Tert-Amyl methyl ether	5.948	73	11262	0.783	ug/l	95
34) Propionitrile	4.791	54	2144m	4.209	ug/l	
35) Benzene	5.772	78	17883	0.780	ug/l	96
36) 1,2-Dichloroethane	5.794	62	5310	0.775	ug/l	100
37) Trichloroethene	6.540	130	4080	0.775	ug/l	97
38) 1,2-Dichloropropane	6.788	63	5247	0.791	ug/l	92
39) Methacrylonitrile	4.977	41	1731	0.797	ug/l	# 56
40) Methyl acrylate	4.852	55	2607	0.776	ug/l	# 89
41) Tetrahydrofuran	5.083	42	1717	1.612	ug/l	97
42) 1-Chlorobutane	5.453	56	7911	0.731	ug/l	90
43) Dibromomethane	6.916	93	2281	0.776	ug/l	94
44) Bromodichloromethane	7.106	83	6036	0.751	ug/l	96

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45) 4-Methyl-2-Pentanone	7.797	43	14543	4.052	ug/l	98
46) t-1,4-Dichloro-2-butene	10.823	75	3476m	1.922	ug/l	
47) Methyl methacrylate	6.964	69	4562	1.508	ug/l	98
48) Ethyl methacrylate	8.334	69	4870	0.784	ug/l	95
49) Toluene	7.968	92	11120	0.787	ug/l	100
50) t-1,3-Dichloropropene	8.209	75	5419	0.694	ug/l	95
51) cis-1,3-Dichloropropene	7.607	75	7082	0.748	ug/l	97
52) 1,1,2-Trichloroethane	8.402	97	3630	0.841	ug/l	94
53) 1,3-Dichloropropane	8.575	76	6073	0.784	ug/l	99
54) 2-Hexanone	8.691	43	9819	3.211	ug/l	98
55) Dibromochloromethane	8.810	129	3793	0.770	ug/l	90
56) 1,2-Dibromoethane	8.923	107	3237	0.844	ug/l	91
58) Tetrachloroethene	8.550	164	3646	0.869	ug/l #	84
59) Chlorobenzene	9.447	112	12812	0.811	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.530	131	3600	0.690	ug/l	92
61) Pentachloroethane	11.424	117	3100	0.684	ug/l	90
62) Hexachloroethane	12.475	117	3144	0.629	ug/l	94
63) Ethyl Benzene	9.569	91	23059	0.791	ug/l	98
64) m/p-Xylenes	9.691	106	16746	1.584	ug/l	97
65) o-Xylene	10.099	106	8059	0.746	ug/l	97
66) Styrene	10.112	104	12621	0.737	ug/l	96
67) Bromoform	10.292	173	1601	0.668	ug/l #	97
69) Isopropylbenzene	10.482	105	22357	0.773	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.781	83	4715	0.810	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	4384m	0.875	ug/l	
72) Bromobenzene	10.781	156	4388	0.782	ug/l	98
73) n-propylbenzene	10.903	120	5542	0.722	ug/l	89
74) 2-Chlorotoluene	10.984	126	5054	0.796	ug/l	99
75) 1,3,5-Trimethylbenzene	11.083	105	18179	0.755	ug/l	96
76) 4-Chlorotoluene	11.096	126	5122	0.767	ug/l	92
77) tert-Butylbenzene	11.418	119	17200	0.729	ug/l	95
78) 1,2,4-Trimethylbenzene	11.463	105	18830	0.768	ug/l	98
79) sec-Butylbenzene	11.639	105	24197	0.739	ug/l	99
80) Nitrobenzene	13.215	77	900	2.959	ug/l #	74
81) p-Isopropyltoluene	11.791	119	20060	0.774	ug/l	97
82) 1,3-Dichlorobenzene	11.742	146	9677	0.786	ug/l	96
83) 1,4-Dichlorobenzene	11.836	146	9696	0.771	ug/l	93
84) n-Butylbenzene	12.205	91	20034	0.746	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	9344	0.795	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.996	75	578	0.631	ug/l #	77
87) 1,2,4-Trichlorobenzene	13.839	180	5561	0.771	ug/l	96
88) Hexachlorobutadiene	14.016	225	2437	0.692	ug/l	95
89) Naphthalene	14.086	128	12066	0.787	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	5054	0.797	ug/l	97

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

