

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022823\
 Data File : VU053172.D
 Acq On : 28 Feb 2023 14:55
 Operator : JC/MD
 Sample : 01627-08 1.0PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Mar 01 03:58:01 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	6.109	96	22411	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	9446	0.999	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	7720	1.030	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.386	85	5671	0.997	ug/l	98
3) Chloromethane	1.524	50	5437	0.928	ug/l	92
4) Vinyl Chloride	1.604	62	5943	0.952	ug/l	97
5) Bromomethane	1.858	94	3642	1.025	ug/l	92
6) Chloroethane	1.936	64	3807	1.004	ug/l	96
7) Trichlorofluoromethane	2.141	101	8251	0.918	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.588	101	5384	0.959	ug/l	93
9) 1,1-Dichloroethene	2.585	96	4370	0.896	ug/l	92
10) Iodomethane	2.723	142	4142	0.825	ug/l	93
11) Allyl Chloride	2.923	41	6816	0.895	ug/l	99
12) Acrylonitrile	3.321	53	2811	2.250	ug/l	# 86
13) Acetone	2.646	43	7390	4.138	ug/l	# 88
14) Carbon Disulfide	2.794	76	10293	0.920	ug/l	97
15) Methylene Chloride	3.045	84	8618	1.236	ug/l	92
16) trans-1,2-Dichloroethene	3.354	96	4928	0.919	ug/l	94
17) 1,1-Dichloroethane	3.868	63	11068	0.943	ug/l	98
18) 2-Butanone	4.717	43	9466	4.415	ug/l	94
19) Cyclohexane	5.382	56	8877m	0.947	ug/l	
20) Methylcyclohexane	6.759	83	8532	0.949	ug/l	98
21) 2,2-Dichloropropane	4.662	77	9906	0.964	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	5999	0.906	ug/l	99
23) Diethyl Ether	2.376	59	3638	0.911	ug/l	# 90
24) tert-Butyl Alcohol	3.257	59	5324m	11.354	ug/l	
25) Methyl tert-Butyl Ether	3.366	73	13992	0.986	ug/l	98
26) Bromochloromethane	4.971	128	2395	0.936	ug/l	84
27) Chloroform	5.087	83	11348	0.939	ug/l	100
28) 1,1,1-Trichloroethane	5.312	97	8674	0.854	ug/l	95
29) 1,1-Dichloropropene	5.521	75	6929	0.910	ug/l	99
30) Carbon Tetrachloride	5.524	117	6276	0.898	ug/l	98
31) Isopropyl Ether	3.993	45	17005	0.909	ug/l	95
32) Ethyl-t-butyl ether	4.505	59	16763	0.945	ug/l	99
33) Tert-Amyl methyl ether	5.942	73	13271	0.943	ug/l	98
34) Propionitrile	4.797	54	2830	5.674	ug/l	# 82
35) Benzene	5.771	78	21373	0.952	ug/l	96
36) 1,2-Dichloroethane	5.797	62	5944	0.885	ug/l	100
37) Trichloroethene	6.540	130	5029	0.976	ug/l	100
38) 1,2-Dichloropropane	6.791	63	6091	0.938	ug/l	99
39) Methacrylonitrile	4.977	41	2646m	1.244	ug/l	
40) Methyl acrylate	4.852	55	3741	1.138	ug/l	# 83
41) Tetrahydrofuran	5.064	42	2412	2.312	ug/l	90
42) 1-Chlorobutane	5.453	56	9692	0.915	ug/l	94
43) Dibromomethane	6.919	93	2703	0.939	ug/l	96
44) Bromodichloromethane	7.106	83	7319	0.929	ug/l	96

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45) 4-Methyl-2-Pentanone	7.797	43	17373	4.943	ug/l	97
46) t-1,4-Dichloro-2-butene	10.826	75	3579m	2.021	ug/l	
47) Methyl methacrylate	6.968	69	6043	2.040	ug/l	97
48) Ethyl methacrylate	8.334	69	5854	0.963	ug/l	99
49) Toluene	7.968	92	13866	1.003	ug/l	97
50) t-1,3-Dichloropropene	8.209	75	6958	0.910	ug/l	96
51) cis-1,3-Dichloropropene	7.607	75	8739	0.943	ug/l	94
52) 1,1,2-Trichloroethane	8.398	97	4247	1.004	ug/l #	90
53) 1,3-Dichloropropane	8.575	76	7706	1.017	ug/l	100
54) 2-Hexanone	8.688	43	13096	4.373	ug/l	98
55) Dibromochloromethane	8.810	129	4350	0.902	ug/l	92
56) 1,2-Dibromoethane	8.919	107	3428	0.913	ug/l	96
58) Tetrachloroethene	8.549	164	3826	0.931	ug/l	93
59) Chlorobenzene	9.447	112	15385	0.995	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.533	131	4888	0.957	ug/l	99
61) Pentachloroethane	11.421	117	4227	0.952	ug/l	92
62) Hexachloroethane	12.472	117	3849	0.787	ug/l	98
63) Ethyl Benzene	9.569	91	26831	0.940	ug/l	99
64) m/p-Xylenes	9.694	106	20738	2.003	ug/l	97
65) o-Xylene	10.096	106	9816	0.929	ug/l	99
66) Styrene	10.112	104	15971	0.953	ug/l	96
67) Bromoform	10.286	173	1934	0.824	ug/l #	96
69) Isopropylbenzene	10.482	105	27923	0.986	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	5890	1.034	ug/l #	95
71) 1,2,3-Trichloropropane	10.823	75	4761m	0.971	ug/l	
72) Bromobenzene	10.781	156	5486	0.999	ug/l	98
73) n-propylbenzene	10.903	120	6513	0.867	ug/l	87
74) 2-Chlorotoluene	10.983	126	6412	1.031	ug/l	92
75) 1,3,5-Trimethylbenzene	11.086	105	22007	0.934	ug/l	98
76) 4-Chlorotoluene	11.096	126	6309	0.965	ug/l	88
77) tert-Butylbenzene	11.418	119	21533	0.933	ug/l	98
78) 1,2,4-Trimethylbenzene	11.466	105	23414	0.975	ug/l	99
79) sec-Butylbenzene	11.639	105	29723	0.928	ug/l	98
80) Nitrobenzene	13.225	77	1076	3.613	ug/l #	72
81) p-Isopropyltoluene	11.791	119	23399	0.922	ug/l	99
82) 1,3-Dichlorobenzene	11.746	146	11598	0.962	ug/l	98
83) 1,4-Dichlorobenzene	11.836	146	11670	0.948	ug/l	96
84) n-Butylbenzene	12.205	91	24858	0.945	ug/l	96
85) 1,2-Dichlorobenzene	12.212	146	11227	0.976	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.993	75	743	0.829	ug/l #	85
87) 1,2,4-Trichlorobenzene	13.839	180	6793	0.962	ug/l	93
88) Hexachlorobutadiene	14.019	225	2835	0.822	ug/l	93
89) Naphthalene	14.086	128	14657	0.976	ug/l	97
90) 1,2,3-Trichlorobenzene	14.331	180	5467	0.880	ug/l	98

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

