

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022723\
 Data File : VU053154.D
 Acq On : 27 Feb 2023 15:46
 Operator : JC/MD
 Sample : VU0227WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0227WBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/28/2023
 Supervised By :Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 03:52:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U022723DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 28 03:35:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	26822	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	11549	1.020	ug/l	0.00
Spiked Amount	1.000		Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	9737	1.085	ug/l	0.00
Spiked Amount	1.000		Recovery	=	108.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.386	85	13573	1.994	ug/l	99
3) Chloromethane	1.521	50	12491	1.781	ug/l	99
4) Vinyl Chloride	1.605	62	14106	1.889	ug/l	93
5) Bromomethane	1.859	94	8523	2.005	ug/l	99
6) Chloroethane	1.936	64	9191	2.026	ug/l	100
7) Trichlorofluoromethane	2.141	101	19949	1.855	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.582	101	13049	1.941	ug/l	98
9) 1,1-Dichloroethene	2.582	96	11410	1.954	ug/l	96
10) Iodomethane	2.723	142	10218	1.701	ug/l	99
11) Allyl Chloride	2.923	41	16514	1.812	ug/l	98
12) Acrylonitrile	3.315	53	6083m	4.069	ug/l	
13) Acetone	2.637	43	18503	8.658	ug/l	# 84
14) Carbon Disulfide	2.794	76	25930	1.936	ug/l	99
15) Methylene Chloride	3.045	84	18749	2.247	ug/l	96
16) trans-1,2-Dichloroethene	3.350	96	12847	2.002	ug/l	95
17) 1,1-Dichloroethane	3.868	63	26587	1.893	ug/l	98
18) 2-Butanone	4.720	43	24183	9.425	ug/l	94
19) Cyclohexane	5.382	56	21106m	1.882	ug/l	
20) Methylcyclohexane	6.759	83	21384	1.987	ug/l	100
21) 2,2-Dichloropropane	4.659	77	23879	1.941	ug/l	100
22) cis-1,2-Dichloroethene	4.662	96	15298	1.931	ug/l	96
23) Diethyl Ether	2.376	59	9186	1.923	ug/l	97
24) tert-Butyl Alcohol	3.228	59	10888m	19.401	ug/l	
25) Methyl tert-Butyl Ether	3.360	73	33041	1.946	ug/l	100
26) Bromochloromethane	4.968	128	5681	1.855	ug/l	92
27) Chloroform	5.087	83	27521	1.902	ug/l	98
28) 1,1,1-Trichloroethane	5.312	97	22565	1.857	ug/l	98
29) 1,1-Dichloropropene	5.521	75	17988	1.975	ug/l	97
30) Carbon Tetrachloride	5.521	117	16609	1.985	ug/l	95
31) Isopropyl Ether	3.993	45	42397	1.893	ug/l	97
32) Ethyl-t-butyl ether	4.505	59	39052	1.839	ug/l	98
33) Tert-Amyl methyl ether	5.942	73	31457	1.867	ug/l	99
34) Propionitrile	4.794	54	5917	9.913	ug/l	# 77
35) Benzene	5.772	78	52386	1.949	ug/l	97
36) 1,2-Dichloroethane	5.794	62	15175	1.889	ug/l	99
37) Trichloroethene	6.540	130	12421	2.014	ug/l	96
38) 1,2-Dichloropropane	6.791	63	15688	2.018	ug/l	92
39) Methacrylonitrile	4.977	41	4640	1.822	ug/l	94
40) Methyl acrylate	4.852	55	8097m	2.057	ug/l	
41) Tetrahydrofuran	5.064	42	5434	4.353	ug/l	95
42) 1-Chlorobutane	5.453	56	24858	1.961	ug/l	98
43) Dibromomethane	6.916	93	6256	1.816	ug/l	93
44) Bromodichloromethane	7.103	83	18246	1.936	ug/l	99

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45) 4-Methyl-2-Pentanone	7.794	43	41271	9.812	ug/l	99
46) t-1,4-Dichloro-2-butene	10.826	75	8904m	4.201	ug/l	
47) Methyl methacrylate	6.964	69	13525	3.814	ug/l	98
48) Ethyl methacrylate	8.334	69	14806	2.035	ug/l	96
49) Toluene	7.968	92	32484	1.963	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	18676	2.040	ug/l	96
51) cis-1,3-Dichloropropene	7.604	75	21303	1.920	ug/l	97
52) 1,1,2-Trichloroethane	8.398	97	9986	1.973	ug/l	94
53) 1,3-Dichloropropane	8.575	76	18721	2.064	ug/l	98
54) 2-Hexanone	8.688	43	33549	9.361	ug/l	99
55) Dibromochloromethane	8.810	129	10953	1.897	ug/l	99
56) 1,2-Dibromoethane	8.923	107	9120	2.029	ug/l	99
58) Tetrachloroethene	8.550	164	10039	2.041	ug/l	94
59) Chlorobenzene	9.443	112	37990	2.053	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.530	131	12175	1.991	ug/l	98
61) Pentachloroethane	11.424	117	10814	2.036	ug/l	97
62) Hexachloroethane	12.472	117	10955	1.870	ug/l	99
63) Ethyl Benzene	9.566	91	69069	2.022	ug/l	98
64) m/p-Xylenes	9.691	106	50176	4.050	ug/l	99
65) o-Xylene	10.096	106	25581	2.022	ug/l	99
66) Styrene	10.112	104	40774	2.033	ug/l	98
67) Bromoform	10.289	173	5469	1.948	ug/l #	98
69) Isopropylbenzene	10.482	105	68668	2.026	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.778	83	13651	2.002	ug/l	97
71) 1,2,3-Trichloropropane	10.823	75	11442m	1.949	ug/l	
72) Bromobenzene	10.781	156	13389	2.036	ug/l	98
73) n-propylbenzene	10.903	120	18366	2.043	ug/l	97
74) 2-Chlorotoluene	10.984	126	15166	2.037	ug/l	97
75) 1,3,5-Trimethylbenzene	11.083	105	55773	1.978	ug/l	99
76) 4-Chlorotoluene	11.093	126	15661	2.001	ug/l	86
77) tert-Butylbenzene	11.418	119	54820	1.984	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	57739	2.009	ug/l	99
79) sec-Butylbenzene	11.639	105	77346	2.017	ug/l	99
80) Nitrobenzene	13.215	77	3029m	8.498	ug/l	
81) p-Isopropyltoluene	11.791	119	60089	1.978	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	29545	2.047	ug/l	99
83) 1,4-Dichlorobenzene	11.832	146	28766	1.952	ug/l	97
84) n-Butylbenzene	12.205	91	64710	2.056	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	27738	2.015	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.993	75	1991	1.874	ug/l	93
87) 1,2,4-Trichlorobenzene	13.839	180	17370	2.056	ug/l	97
88) Hexachlorobutadiene	14.016	225	8345	2.023	ug/l	98
89) Naphthalene	14.086	128	36235	2.016	ug/l	99
90) 1,2,3-Trichlorobenzene	14.327	180	14793	1.990	ug/l	98

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

