

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022823\
 Data File : VU053166.D
 Acq On : 28 Feb 2023 11:41
 Operator : JC/MD
 Sample : VU0228WBSD01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0228WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Mar 01 03:38:08 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	23692	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	10526	1.053	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	9059	1.143	ug/l	0.00
Spiked Amount 1.000			Recovery	=	114.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.386	85	12315	2.048	ug/l	98
3) Chloromethane	1.521	50	11719	1.891	ug/l	95
4) Vinyl Chloride	1.605	62	13417	2.034	ug/l	98
5) Bromomethane	1.859	94	8193	2.182	ug/l	91
6) Chloroethane	1.936	64	7990	1.994	ug/l	91
7) Trichlorofluoromethane	2.141	101	18232	1.920	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.585	101	11408	1.921	ug/l	99
9) 1,1-Dichloroethene	2.582	96	10413	2.019	ug/l	90
10) Iodomethane	2.727	142	9278	1.749	ug/l	95
11) Allyl Chloride	2.926	41	14004	1.739	ug/l	99
12) Acrylonitrile	3.318	53	5715	4.328	ug/l	89
13) Acetone	2.637	43	19326	10.238	ug/l	93
14) Carbon Disulfide	2.794	76	22101	1.868	ug/l	98
15) Methylene Chloride	3.045	84	14980	2.032	ug/l	94
16) trans-1,2-Dichloroethene	3.350	96	10775	1.901	ug/l	96
17) 1,1-Dichloroethane	3.865	63	23454	1.891	ug/l	99
18) 2-Butanone	4.717	43	23159	10.218	ug/l	93
19) Cyclohexane	5.386	56	18679m	1.886	ug/l	
20) Methylcyclohexane	6.759	83	19289	2.029	ug/l	97
21) 2,2-Dichloropropane	4.662	77	21588	1.986	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	13111	1.874	ug/l	99
23) Diethyl Ether	2.379	59	7964	1.887	ug/l	93
24) tert-Butyl Alcohol	3.225	59	10534	21.250	ug/l	# 83
25) Methyl tert-Butyl Ether	3.363	73	29054	1.938	ug/l	96
26) Bromochloromethane	4.971	128	5154	1.905	ug/l	88
27) Chloroform	5.087	83	23482	1.837	ug/l	98
28) 1,1,1-Trichloroethane	5.312	97	20041	1.867	ug/l	99
29) 1,1-Dichloropropene	5.524	75	15409	1.915	ug/l	96
30) Carbon Tetrachloride	5.521	117	13253	1.793	ug/l	99
31) Isopropyl Ether	3.997	45	37863	1.914	ug/l	97
32) Ethyl-t-butyl ether	4.501	59	34475	1.838	ug/l	97
33) Tert-Amyl methyl ether	5.942	73	29348	1.972	ug/l	97
34) Propionitrile	4.791	54	5066	9.609	ug/l	# 82
35) Benzene	5.772	78	47306	1.993	ug/l	99
36) 1,2-Dichloroethane	5.791	62	13425	1.892	ug/l	100
37) Trichloroethene	6.540	130	11338	2.081	ug/l	98
38) 1,2-Dichloropropane	6.791	63	13858	2.019	ug/l	99
39) Methacrylonitrile	4.977	41	4707	2.093	ug/l	97
40) Methyl acrylate	4.852	55	6254	1.799	ug/l	# 95
41) Tetrahydrofuran	5.061	42	4797	4.350	ug/l	90
42) 1-Chlorobutane	5.456	56	21629	1.931	ug/l	100
43) Dibromomethane	6.919	93	6264	2.059	ug/l	96
44) Bromodichloromethane	7.106	83	16424	1.973	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.794	43	39406	10.606	ug/l	99
46) t-1,4-Dichloro-2-butene	10.836	75	7425m	3.966	ug/l	
47) Methyl methacrylate	6.964	69	12867	4.108	ug/l	99
48) Ethyl methacrylate	8.334	69	13470	2.096	ug/l	95
49) Toluene	7.968	92	29600	2.025	ug/l	97
50) t-1,3-Dichloropropene	8.209	75	16057	1.986	ug/l	97
51) cis-1,3-Dichloropropene	7.607	75	19666	2.007	ug/l	96
52) 1,1,2-Trichloroethane	8.398	97	9315	2.084	ug/l	95
53) 1,3-Dichloropropane	8.572	76	16940	2.114	ug/l	100
54) 2-Hexanone	8.688	43	34244	10.818	ug/l	99
55) Dibromochloromethane	8.807	129	9698	1.902	ug/l	98
56) 1,2-Dibromoethane	8.923	107	7989	2.012	ug/l	97
58) Tetrachloroethene	8.550	164	9032	2.079	ug/l	96
59) Chlorobenzene	9.443	112	34136	2.088	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.533	131	10999	2.037	ug/l	97
61) Pentachloroethane	11.424	117	9204	1.962	ug/l	96
62) Hexachloroethane	12.472	117	8923	1.725	ug/l	98
63) Ethyl Benzene	9.566	91	62815	2.082	ug/l	99
64) m/p-Xylenes	9.691	106	44666	4.081	ug/l	100
65) o-Xylene	10.096	106	23168	2.073	ug/l	96
66) Styrene	10.112	104	36149	2.040	ug/l	100
67) Bromoform	10.286	173	4628	1.866	ug/l #	98
69) Isopropylbenzene	10.482	105	61271	2.047	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.778	83	12712	2.110	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	8725m	1.683	ug/l	
72) Bromobenzene	10.778	156	12345	2.125	ug/l	99
73) n-propylbenzene	10.903	120	16015	2.017	ug/l	99
74) 2-Chlorotoluene	10.984	126	13753	2.092	ug/l	95
75) 1,3,5-Trimethylbenzene	11.083	105	49228	1.976	ug/l	98
76) 4-Chlorotoluene	11.096	126	14399	2.083	ug/l	84
77) tert-Butylbenzene	11.414	119	48440	1.985	ug/l	99
78) 1,2,4-Trimethylbenzene	11.466	105	52691	2.076	ug/l	99
79) sec-Butylbenzene	11.639	105	67205	1.984	ug/l	99
80) Nitrobenzene	13.212	77	2498	7.934	ug/l #	94
81) p-Isopropyltoluene	11.791	119	53742	2.003	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	26900	2.110	ug/l	98
83) 1,4-Dichlorobenzene	11.832	146	27870	2.141	ug/l	98
84) n-Butylbenzene	12.205	91	58824	2.116	ug/l	97
85) 1,2-Dichlorobenzene	12.209	146	24256	1.995	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.993	75	1787	1.897	ug/l #	83
87) 1,2,4-Trichlorobenzene	13.839	180	15754	2.111	ug/l	96
88) Hexachlorobutadiene	14.019	225	7364	2.021	ug/l	97
89) Naphthalene	14.086	128	34645	2.182	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	13753	2.095	ug/l	98

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

