

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022823\
 Data File : VU053163.D
 Acq On : 28 Feb 2023 09:37
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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

Quant Time: Mar 01 03:31:49 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	6.109	96	25849	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13652	1.252	ug/l	0.00
Spiked Amount 1.000			Recovery	=	125.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	9274	1.072	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.386	85	67840	10.340	ug/l	98
3) Chloromethane	1.524	50	61794	9.140	ug/l	98
4) Vinyl Chloride	1.608	62	71313	9.907	ug/l	99
5) Bromomethane	1.858	94	46106	11.252	ug/l	97
6) Chloroethane	1.936	64	45202	10.337	ug/l	99
7) Trichlorofluoromethane	2.141	101	100522	9.701	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.585	101	65320	10.083	ug/l	98
9) 1,1-Dichloroethene	2.585	96	56147	9.978	ug/l	98
10) Iodomethane	2.727	142	59358	10.255	ug/l	99
11) Allyl Chloride	2.923	41	78343	8.918	ug/l	98
12) Acrylonitrile	3.315	53	31252	21.691	ug/l	# 91
13) Acetone	2.630	43	129361	62.808	ug/l	94
14) Carbon Disulfide	2.794	76	126105	9.768	ug/l	100
15) Methylene Chloride	3.045	84	68822	8.557	ug/l	95
16) trans-1,2-Dichloroethene	3.350	96	60065	9.711	ug/l	98
17) 1,1-Dichloroethane	3.868	63	132459	9.788	ug/l	99
18) 2-Butanone	4.710	43	144781	58.550	ug/l	98
19) Cyclohexane	5.382	56	103143m	9.543	ug/l	
20) Methylcyclohexane	6.759	83	109302	10.537	ug/l	98
21) 2,2-Dichloropropane	4.662	77	116508	9.826	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	73936	9.686	ug/l	98
23) Diethyl Ether	2.376	59	44804	9.731	ug/l	# 90
24) tert-Butyl Alcohol	3.209	59	58030	107.295	ug/l	99
25) Methyl tert-Butyl Ether	3.363	73	167683	10.250	ug/l	97
26) Bromochloromethane	4.974	128	28411	9.625	ug/l	94
27) Chloroform	5.087	83	133561	9.579	ug/l	99
28) 1,1,1-Trichloroethane	5.315	97	111794	9.545	ug/l	98
29) 1,1-Dichloropropene	5.521	75	86669	9.873	ug/l	99
30) Carbon Tetrachloride	5.521	117	82449	10.224	ug/l	98
31) Isopropyl Ether	3.993	45	204465	9.471	ug/l	100
32) Ethyl-t-butyl ether	4.505	59	199245	9.738	ug/l	97
33) Tert-Amyl methyl ether	5.942	73	164105	10.107	ug/l	100
34) Propionitrile	4.781	54	31242	54.312	ug/l	98
35) Benzene	5.771	78	258453	9.978	ug/l	99
36) 1,2-Dichloroethane	5.794	62	77994	10.074	ug/l	99
37) Trichloroethene	6.540	130	62911	10.585	ug/l	99
38) 1,2-Dichloropropane	6.791	63	77010	10.281	ug/l	98
39) Methacrylonitrile	4.974	41	22479	9.161	ug/l	94
40) Methyl acrylate	4.849	55	39558	10.430	ug/l	98
41) Tetrahydrofuran	5.058	42	23241	19.317	ug/l	97
42) 1-Chlorobutane	5.456	56	119600	9.788	ug/l	98
43) Dibromomethane	6.916	93	34523	10.399	ug/l	99
44) Bromodichloromethane	7.103	83	96145	10.586	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.794	43	219923	54.254	ug/l	98
46) t-1,4-Dichloro-2-butene	10.829	75	43329m	21.212	ug/l	
47) Methyl methacrylate	6.961	69	73983	21.649	ug/l	97
48) Ethyl methacrylate	8.334	69	74985	10.693	ug/l	100
49) Toluene	7.968	92	166801	10.457	ug/l	98
50) t-1,3-Dichloropropene	8.209	75	93719	10.622	ug/l	100
51) cis-1,3-Dichloropropene	7.604	75	112901	10.559	ug/l	98
52) 1,1,2-Trichloroethane	8.398	97	52384	10.742	ug/l	99
53) 1,3-Dichloropropane	8.572	76	92502	10.580	ug/l	99
54) 2-Hexanone	8.685	43	213402	61.788	ug/l	99
55) Dibromochloromethane	8.807	129	59311	10.660	ug/l	99
56) 1,2-Dibromoethane	8.919	107	47897	11.055	ug/l	100
58) Tetrachloroethene	8.550	164	49404	10.425	ug/l	96
59) Chlorobenzene	9.443	112	186566	10.459	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.530	131	63300	10.743	ug/l	99
61) Pentachloroethane	11.424	117	54806	10.705	ug/l	98
62) Hexachloroethane	12.472	117	60246	10.674	ug/l	97
63) Ethyl Benzene	9.566	91	346086	10.513	ug/l	98
64) m/p-Xylenes	9.691	106	256892	21.515	ug/l	98
65) o-Xylene	10.096	106	129725	10.639	ug/l	98
66) Styrene	10.112	104	211253	10.929	ug/l	98
67) Bromoform	10.289	173	29572	10.929	ug/l	99
69) Isopropylbenzene	10.482	105	348343	10.667	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	71645	10.902	ug/l	98
71) 1,2,3-Trichloropropane	10.826	75	55706m	9.848	ug/l	
72) Bromobenzene	10.781	156	68679	10.838	ug/l	99
73) n-propylbenzene	10.903	120	90736	10.472	ug/l	95
74) 2-Chlorotoluene	10.984	126	76740	10.697	ug/l	98
75) 1,3,5-Trimethylbenzene	11.083	105	291942	10.743	ug/l	100
76) 4-Chlorotoluene	11.093	126	77911	10.331	ug/l	98
77) tert-Butylbenzene	11.418	119	284728	10.692	ug/l	100
78) 1,2,4-Trimethylbenzene	11.463	105	294146	10.621	ug/l	97
79) sec-Butylbenzene	11.639	105	399857	10.821	ug/l	99
80) Nitrobenzene	13.205	77	16916	49.246	ug/l	99
81) p-Isopropyltoluene	11.791	119	308631	10.543	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	151044	10.857	ug/l	100
83) 1,4-Dichlorobenzene	11.832	146	150147	10.571	ug/l	99
84) n-Butylbenzene	12.205	91	331042	10.915	ug/l	100
85) 1,2-Dichlorobenzene	12.209	146	143736	10.835	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.993	75	11966	9.594	ug/l	90
87) 1,2,4-Trichlorobenzene	13.835	180	91082	11.188	ug/l	96
88) Hexachlorobutadiene	14.019	225	42550	10.701	ug/l	98
89) Naphthalene	14.083	128	185417	10.705	ug/l	99
90) 1,2,3-Trichlorobenzene	14.327	180	77425	10.808	ug/l	99

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

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