

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020923\
 Data File : VU053027.D
 Acq On : 09 Feb 2023 19:54
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/10/2023
 Supervised By :Mahesh Dadoda 02/10/2023

Quant Time: Feb 10 01:24:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 05:16:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.109	96	33500	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	12800	1.149	ug/l	0.00
Spiked Amount 1.000			Recovery	=	115.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	11260	0.982	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	87037	7.677	ug/l	100
3) Chloromethane	1.521	50	86246	8.017	ug/l	98
4) Vinyl Chloride	1.605	62	100257	9.650	ug/l	99
5) Bromomethane	1.859	94	55793	10.335	ug/l	100
6) Chloroethane	1.936	64	59630	9.543	ug/l	98
7) Trichlorofluoromethane	2.135	101	160790	10.625	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	85752	10.364	ug/l	91
9) 1,1-Dichloroethene	2.576	96	79505	10.170	ug/l	91
10) Iodomethane	2.717	142	103044	11.909	ug/l	99
11) Allyl Chloride	2.916	41	107960	11.558	ug/l	97
12) Acrylonitrile	3.328	53	40389	24.369	ug/l	97
13) Acetone	2.659	43	69423	29.534	ug/l	97
14) Carbon Disulfide	2.788	76	231786	8.851	ug/l	100
15) Methylene Chloride	3.042	84	90630	9.599	ug/l	93
16) trans-1,2-Dichloroethene	3.344	96	87003	10.004	ug/l	92
17) 1,1-Dichloroethane	3.862	63	172825	11.768	ug/l	98
18) 2-Butanone	4.733	43	119683	43.824	ug/l	97
19) Cyclohexane	5.379	56	135209	10.469	ug/l	97
20) Methylcyclohexane	6.755	83	139405	9.675	ug/l	97
21) 2,2-Dichloropropane	4.659	77	148176	10.863	ug/l	98
22) cis-1,2-Dichloroethene	4.659	96	99311	10.925	ug/l	93
23) Diethyl Ether	2.373	59	68175	12.338	ug/l	99
24) tert-Butyl Alcohol	3.350	59	74441m	111.874	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	226398	12.625	ug/l	99
26) Bromochloromethane	4.971	128	40362	9.511	ug/l	84
27) Chloroform	5.083	83	175362	11.139	ug/l	99
28) 1,1,1-Trichloroethane	5.309	97	155688	10.710	ug/l	98
29) 1,1-Dichloropropene	5.518	75	113121	9.229	ug/l	98
30) Carbon Tetrachloride	5.518	117	113249	8.585	ug/l	99
31) Isopropyl Ether	3.994	45	261826	12.402	ug/l	99
32) Ethyl-t-butyl ether	4.505	59	265684	13.480	ug/l	96
33) Tert-Amyl methyl ether	5.945	73	210462	12.075	ug/l	97
34) Propionitrile	4.817	54	39110	62.549	ug/l	# 96
35) Benzene	5.768	78	319563	8.986	ug/l	100
36) 1,2-Dichloroethane	5.791	62	96429	9.028	ug/l	98
37) Trichloroethene	6.537	130	78582	8.105	ug/l	88
38) 1,2-Dichloropropane	6.788	63	88517	9.811	ug/l	96
39) Methacrylonitrile	4.981	41	30553	12.233	ug/l	97
40) Methyl acrylate	4.852	55	59778	13.503	ug/l	98
41) Tetrahydrofuran	5.077	42	30721	24.730	ug/l	95
42) 1-Chlorobutane	5.450	56	156273	9.973	ug/l	98
43) Dibromomethane	6.916	93	43109	9.440	ug/l	# 85
44) Bromodichloromethane	7.103	83	115459	9.319	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	254843	53.102	ug/l	97
46) t-1,4-Dichloro-2-butene	10.832	75	59928m	23.817	ug/l	
47) Methyl methacrylate	6.964	69	90633	22.325	ug/l	96
48) Ethyl methacrylate	8.334	69	93186	12.662	ug/l	96
49) Toluene	7.964	92	199522	9.240	ug/l	95
50) t-1,3-Dichloropropene	8.209	75	115067	10.649	ug/l	98
51) cis-1,3-Dichloropropene	7.604	75	135635	10.670	ug/l	98
52) 1,1,2-Trichloroethane	8.398	97	61087	9.406	ug/l	98
53) 1,3-Dichloropropane	8.572	76	107923	9.614	ug/l	98
54) 2-Hexanone	8.694	43	182435	43.453	ug/l	96
55) Dibromochloromethane	8.807	129	73677	8.674	ug/l	100
56) 1,2-Dibromoethane	8.923	107	57504	9.301	ug/l	98
58) Tetrachloroethene	8.550	164	60970	6.969	ug/l	91
59) Chlorobenzene	9.443	112	218615	9.303	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.530	131	75954	8.351	ug/l	96
61) Pentachloroethane	11.424	117	69189	9.286	ug/l	93
62) Hexachloroethane	12.472	117	74751	9.930	ug/l #	80
63) Ethyl Benzene	9.566	91	400089	10.510	ug/l	99
64) m/p-Xylenes	9.691	106	298297	19.655	ug/l	92
65) o-Xylene	10.096	106	148904	10.168	ug/l	92
66) Styrene	10.112	104	245490	8.750	ug/l	96
67) Bromoform	10.289	173	41422	8.264	ug/l	97
69) Isopropylbenzene	10.482	105	395720	10.619	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.781	83	88958	10.989	ug/l	95
71) 1,2,3-Trichloropropane	10.829	75	56669m	8.087	ug/l	
72) Bromobenzene	10.781	156	83140	8.784	ug/l	86
73) n-propylbenzene	10.903	120	106183	8.514	ug/l	91
74) 2-Chlorotoluene	10.984	126	90776	9.643	ug/l	90
75) 1,3,5-Trimethylbenzene	11.083	105	334644	8.797	ug/l	94
76) 4-Chlorotoluene	11.093	126	91491	9.471	ug/l	89
77) tert-Butylbenzene	11.418	119	329040	10.154	ug/l	94
78) 1,2,4-Trimethylbenzene	11.463	105	338883	8.714	ug/l	94
79) sec-Butylbenzene	11.640	105	441182	8.831	ug/l	96
80) Nitrobenzene	13.205	77	26831	53.545	ug/l #	94
81) p-Isopropyltoluene	11.791	119	350493	8.130	ug/l	97
82) 1,3-Dichlorobenzene	11.742	146	170700	8.834	ug/l	96
83) 1,4-Dichlorobenzene	11.832	146	168913	8.707	ug/l	96
84) n-Butylbenzene	12.205	91	344326	9.039	ug/l	97
85) 1,2-Dichlorobenzene	12.209	146	163232	8.951	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.993	75	15516	10.347	ug/l	87
87) 1,2,4-Trichlorobenzene	13.836	180	104634	9.566	ug/l	97
88) Hexachlorobutadiene	14.019	225	52903	6.901	ug/l	99
89) Naphthalene	14.083	128	219520	10.352	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	93210	8.978	ug/l	98

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

