

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033023\
 Data File : VU053478.D
 Acq On : 30 Mar 2023 09:53
 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 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

Quant Time: Mar 30 11:51:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 30 11:46:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.111	96	41166	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	17244	1.160	ug/l	0.00
Spiked Amount 1.000			Recovery	=	116.000%	
68) 1,2-Dichlorobenzene-d4	12.188	152	15610	1.047	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	150360	10.104	ug/l	98
3) Chloromethane	1.520	50	144262	9.515	ug/l	100
4) Vinyl Chloride	1.604	62	161883	10.105	ug/l	100
5) Bromomethane	1.858	94	114211	9.801	ug/l	100
6) Chloroethane	1.935	64	93779	9.158	ug/l	98
7) Trichlorofluoromethane	2.137	101	239373	9.979	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	117548	9.887	ug/l	98
9) 1,1-Dichloroethene	2.578	96	107985	9.928	ug/l	95
10) Iodomethane	2.723	142	126203	9.539	ug/l	99
11) Allyl Chloride	2.922	41	129949	10.585	ug/l	90
12) Acrylonitrile	3.321	53	42834	20.275	ug/l	91
13) Acetone	2.649	43	221188	53.380	ug/l	98
14) Carbon Disulfide	2.790	76	340677	10.217	ug/l	99
15) Methylene Chloride	3.044	84	122550	8.030	ug/l	93
16) trans-1,2-Dichloroethene	3.350	96	116850	10.399	ug/l	94
17) 1,1-Dichloroethane	3.867	63	214534	10.461	ug/l	98
18) 2-Butanone	4.713	43	244236	57.914	ug/l	97
19) Cyclohexane	5.385	56	178449	10.567	ug/l	87
20) Methylcyclohexane	6.761	83	224825	10.657	ug/l	94
21) 2,2-Dichloropropane	4.661	77	190247	10.836	ug/l	97
22) cis-1,2-Dichloroethene	4.661	96	127108	10.408	ug/l	100
23) Diethyl Ether	2.375	59	81025	9.387	ug/l	91
24) tert-Butyl Alcohol	3.260	59	75090m	91.602	ug/l	
25) Methyl tert-Butyl Ether	3.359	73	252045	10.456	ug/l	99
26) Bromochloromethane	4.970	128	51832	10.535	ug/l	97
27) Chloroform	5.083	83	220731	10.368	ug/l	100
28) 1,1,1-Trichloroethane	5.311	97	192017	10.462	ug/l	99
29) 1,1-Dichloropropene	5.523	75	166618	10.490	ug/l	98
30) Carbon Tetrachloride	5.523	117	161816	11.077	ug/l	96
31) Isopropyl Ether	3.986	45	299463	10.614	ug/l	95
32) Ethyl-t-butyl ether	4.497	59	309395	10.675	ug/l	99
33) Tert-Amyl methyl ether	5.938	73	273796	10.624	ug/l	98
34) Propionitrile	4.790	54	44606	55.477	ug/l #	11
35) Benzene	5.771	78	487223	10.487	ug/l	100
36) 1,2-Dichloroethane	5.787	62	137133	10.275	ug/l	99
37) Trichloroethene	6.539	130	123164	10.541	ug/l	97
38) 1,2-Dichloropropane	6.787	63	126917	10.661	ug/l	98
39) Methacrylonitrile	4.973	41	30097	10.373	ug/l	92
40) Methyl acrylate	4.845	55	57554	10.940	ug/l	99
41) Tetrahydrofuran	5.060	42	32926	21.733	ug/l	94
42) 1-Chlorobutane	5.456	56	224880	10.645	ug/l	93
43) Dibromomethane	6.912	93	60314	10.634	ug/l	91
44) Bromodichloromethane	7.102	83	154561	10.898	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.787	43	330453	56.170	ug/l	96
46) t-1,4-Dichloro-2-butene	10.825	75	73086m	19.295	ug/l	
47) Methyl methacrylate	6.957	69	108785	20.862	ug/l	97
48) Ethyl methacrylate	8.330	69	109935	10.871	ug/l	95
49) Toluene	7.967	92	301682	10.594	ug/l	99
50) t-1,3-Dichloropropene	8.208	75	149884	11.410	ug/l	98
51) cis-1,3-Dichloropropene	7.603	75	180198	11.076	ug/l	98
52) 1,1,2-Trichloroethane	8.394	97	87188	10.602	ug/l	98
53) 1,3-Dichloropropane	8.571	76	151052	10.648	ug/l	99
54) 2-Hexanone	8.681	43	368040	59.627	ug/l	97
55) Dibromochloromethane	8.806	129	92811	11.086	ug/l	98
56) 1,2-Dibromoethane	8.918	107	83127	10.971	ug/l	100
58) Tetrachloroethene	8.552	164	116134	10.628	ug/l	96
59) Chlorobenzene	9.443	112	322782	10.296	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.529	131	105714	11.094	ug/l	98
61) Pentachloroethane	11.423	117	71507	10.680	ug/l	98
62) Hexachloroethane	12.471	117	89872	9.673	ug/l #	82
63) Ethyl Benzene	9.568	91	599666	10.906	ug/l	100
64) m/p-Xylenes	9.690	106	457102	21.744	ug/l	99
65) o-Xylene	10.095	106	220279	10.707	ug/l	100
66) Styrene	10.111	104	348726	11.026	ug/l	98
67) Bromoform	10.288	173	43898	9.474	ug/l #	95
69) Isopropylbenzene	10.481	105	583349	10.829	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.777	83	104349	10.540	ug/l	100
71) 1,2,3-Trichloropropane	10.825	75	83177m	11.127	ug/l	
72) Bromobenzene	10.777	156	117199	10.385	ug/l	95
73) n-propylbenzene	10.902	120	158833	11.161	ug/l	100
74) 2-Chlorotoluene	10.983	126	129020	10.486	ug/l	93
75) 1,3,5-Trimethylbenzene	11.082	105	499604	11.045	ug/l	98
76) 4-Chlorotoluene	11.095	126	138088	10.809	ug/l	95
77) tert-Butylbenzene	11.417	119	456090	10.878	ug/l	97
78) 1,2,4-Trimethylbenzene	11.465	105	509874	11.068	ug/l	100
79) sec-Butylbenzene	11.639	105	663250	10.983	ug/l	100
80) Nitrobenzene	13.204	77	15067	60.576	ug/l #	88
81) p-Isopropyltoluene	11.790	119	534237	11.262	ug/l	99
82) 1,3-Dichlorobenzene	11.741	146	255115	10.607	ug/l	99
83) 1,4-Dichlorobenzene	11.832	146	258056	10.603	ug/l	99
84) n-Butylbenzene	12.204	91	540216	11.526	ug/l	98
85) 1,2-Dichlorobenzene	12.208	146	238216	10.452	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.995	75	18349	12.204	ug/l	85
87) 1,2,4-Trichlorobenzene	13.835	180	141335	10.632	ug/l	96
88) Hexachlorobutadiene	14.018	225	68394	10.758	ug/l	99
89) Naphthalene	14.082	128	278300	10.520	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	126554	11.050	ug/l	99

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

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