

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032923\
 Data File : VU053476.D
 Acq On : 29 Mar 2023 20:33
 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 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

Quant Time: Mar 30 14:10:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 30 13:33:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.112	96	45743	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	16051	0.972	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	16910	1.020	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	162972	9.856	ug/l	97
3) Chloromethane	1.520	50	155323	9.220	ug/l	96
4) Vinyl Chloride	1.604	62	171445	9.631	ug/l	97
5) Bromomethane	1.858	94	133431	10.323	ug/l	98
6) Chloroethane	1.932	64	107174	9.419	ug/l	100
7) Trichlorofluoromethane	2.137	101	244165	9.160	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	123160	9.322	ug/l	99
9) 1,1-Dichloroethene	2.578	96	116001	9.597	ug/l	90
10) Iodomethane	2.719	142	142753	9.722	ug/l	98
11) Allyl Chloride	2.919	41	136505	10.007	ug/l	93
12) Acrylonitrile	3.317	53	45450	19.361	ug/l	96
13) Acetone	2.636	43	87776	19.064	ug/l	94
14) Carbon Disulfide	2.790	76	358699	9.682	ug/l	99
15) Methylene Chloride	3.044	84	130876	7.653	ug/l	94
16) trans-1,2-Dichloroethene	3.350	96	124346	9.959	ug/l	95
17) 1,1-Dichloroethane	3.864	63	227684	9.991	ug/l	99
18) 2-Butanone	4.703	43	140520	29.987	ug/l	97
19) Cyclohexane	5.382	56	184271	9.820	ug/l	# 83
20) Methylcyclohexane	6.758	83	234529	10.005	ug/l	94
21) 2,2-Dichloropropane	4.661	77	189748	9.726	ug/l	99
22) cis-1,2-Dichloroethene	4.661	96	136143	10.033	ug/l	99
23) Diethyl Ether	2.375	59	91707	9.561	ug/l	92
24) tert-Butyl Alcohol	3.218	59	84850	97.315	ug/l	# 1
25) Methyl tert-Butyl Ether	3.359	73	273930	10.227	ug/l	97
26) Bromochloromethane	4.970	128	54434	9.957	ug/l	99
27) Chloroform	5.083	83	237735	10.049	ug/l	96
28) 1,1,1-Trichloroethane	5.314	97	203270	9.966	ug/l	98
29) 1,1-Dichloropropene	5.520	75	180908	10.251	ug/l	97
30) Carbon Tetrachloride	5.520	117	169695	10.454	ug/l	97
31) Isopropyl Ether	3.986	45	322726	10.294	ug/l	95
32) Ethyl-t-butyl ether	4.497	59	329526	10.232	ug/l	99
33) Tert-Amyl methyl ether	5.935	73	298172	10.413	ug/l	99
34) Propionitrile	4.780	54	44708	50.114	ug/l	# 16
35) Benzene	5.771	78	516854	10.011	ug/l	99
36) 1,2-Dichloroethane	5.787	62	147423	9.940	ug/l	98
37) Trichloroethene	6.536	130	132798	10.228	ug/l	98
38) 1,2-Dichloropropane	6.787	63	135361	10.232	ug/l	97
39) Methacrylonitrile	4.970	41	33333	10.339	ug/l	95
40) Methyl acrylate	4.841	55	55172	9.438	ug/l	# 95
41) Tetrahydrofuran	5.054	42	35466	21.068	ug/l	93
42) 1-Chlorobutane	5.452	56	233155	9.933	ug/l	95
43) Dibromomethane	6.912	93	65178	10.342	ug/l	94
44) Bromodichloromethane	7.102	83	162541	10.314	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.787	43	325598	49.807	ug/l	94
46) t-1,4-Dichloro-2-butene	10.832	75	78274m	18.696	ug/l	
47) Methyl methacrylate	6.954	69	122185	21.087	ug/l	93
48) Ethyl methacrylate	8.330	69	116559	10.373	ug/l	93
49) Toluene	7.964	92	323659	10.229	ug/l	100
50) t-1,3-Dichloropropene	8.205	75	161955	11.095	ug/l	99
51) cis-1,3-Dichloropropene	7.603	75	194161	10.740	ug/l	96
52) 1,1,2-Trichloroethane	8.394	97	92984	10.175	ug/l	99
53) 1,3-Dichloropropane	8.571	76	160672	10.193	ug/l	99
54) 2-Hexanone	8.681	43	233152	33.994	ug/l	95
55) Dibromochloromethane	8.806	129	100489	10.802	ug/l	99
56) 1,2-Dibromoethane	8.918	107	89160	10.590	ug/l	99
58) Tetrachloroethene	8.549	164	126362	10.407	ug/l	95
59) Chlorobenzene	9.443	112	353495	10.147	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.529	131	114167	10.782	ug/l	98
61) Pentachloroethane	11.423	117	72865	9.794	ug/l	98
62) Hexachloroethane	12.471	117	96228	9.365	ug/l #	81
63) Ethyl Benzene	9.565	91	643961	10.540	ug/l	99
64) m/p-Xylenes	9.690	106	495557	21.215	ug/l	98
65) o-Xylene	10.095	106	241216	10.552	ug/l	100
66) Styrene	10.108	104	385000	10.954	ug/l	99
67) Bromoform	10.285	173	46648	9.098	ug/l #	98
69) Isopropylbenzene	10.481	105	631187	10.545	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.777	83	114557	10.414	ug/l	99
71) 1,2,3-Trichloropropane	10.832	75	94411m	11.366	ug/l	
72) Bromobenzene	10.777	156	132111	10.535	ug/l	98
73) n-propylbenzene	10.902	120	177739	11.240	ug/l	100
74) 2-Chlorotoluene	10.983	126	143729	10.513	ug/l	97
75) 1,3,5-Trimethylbenzene	11.082	105	548269	10.908	ug/l	99
76) 4-Chlorotoluene	11.092	126	150899	10.630	ug/l	98
77) tert-Butylbenzene	11.417	119	493619	10.595	ug/l	97
78) 1,2,4-Trimethylbenzene	11.462	105	553870	10.820	ug/l	99
79) sec-Butylbenzene	11.639	105	717779	10.696	ug/l	99
80) Nitrobenzene	13.204	77	15225	55.086	ug/l #	90
81) p-Isopropyltoluene	11.790	119	576549	10.938	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	275973	10.326	ug/l	98
83) 1,4-Dichlorobenzene	11.832	146	281339	10.403	ug/l	99
84) n-Butylbenzene	12.205	91	565676	10.862	ug/l	98
85) 1,2-Dichlorobenzene	12.208	146	266891	10.539	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	19019	11.384	ug/l	93
87) 1,2,4-Trichlorobenzene	13.835	180	159784	10.817	ug/l	98
88) Hexachlorobutadiene	14.018	225	74475	10.542	ug/l	98
89) Naphthalene	14.082	128	315168	10.605	ug/l	99
90) 1,2,3-Trichlorobenzene	14.327	180	142205	11.174	ug/l	98

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

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