

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033023\
 Data File : VU053485.D
 Acq On : 30 Mar 2023 15:02
 Operator : JC/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 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 16:13:53 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	44910	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	16719	1.031	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.188	152	15865	0.975	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	158028	9.734	ug/l	100
3) Chloromethane	1.520	50	150000	9.069	ug/l	98
4) Vinyl Chloride	1.604	62	165956	9.496	ug/l	98
5) Bromomethane	1.858	94	124980	9.832	ug/l	99
6) Chloroethane	1.932	64	100351	8.983	ug/l	98
7) Trichlorofluoromethane	2.137	101	232598	8.888	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	119419	9.207	ug/l	98
9) 1,1-Dichloroethene	2.578	96	108059	9.106	ug/l	95
10) Iodomethane	2.719	142	135121	9.394	ug/l	99
11) Allyl Chloride	2.922	41	133772	9.988	ug/l	91
12) Acrylonitrile	3.317	53	42382	18.389	ug/l	97
13) Acetone	2.639	43	218991	48.443	ug/l	100
14) Carbon Disulfide	2.790	76	349840	9.618	ug/l	98
15) Methylene Chloride	3.041	84	150596	9.254	ug/l	92
16) trans-1,2-Dichloroethene	3.350	96	119157	9.720	ug/l	96
17) 1,1-Dichloroethane	3.864	63	218804	9.780	ug/l	99
18) 2-Butanone	4.706	43	245317	53.321	ug/l	100
19) Cyclohexane	5.385	56	179455	9.741	ug/l	# 85
20) Methylcyclohexane	6.758	83	231180	10.045	ug/l	95
21) 2,2-Dichloropropane	4.661	77	192013	10.025	ug/l	100
22) cis-1,2-Dichloroethene	4.665	96	133762	10.040	ug/l	97
23) Diethyl Ether	2.375	59	84283	8.950	ug/l	91
24) tert-Butyl Alcohol	3.240	59	75237m	87.890	ug/l	
25) Methyl tert-Butyl Ether	3.359	73	260427	9.903	ug/l	99
26) Bromochloromethane	4.970	128	52052	9.698	ug/l	99
27) Chloroform	5.086	83	230558	9.927	ug/l	99
28) 1,1,1-Trichloroethane	5.311	97	202630	10.119	ug/l	99
29) 1,1-Dichloropropene	5.523	75	174074	10.046	ug/l	99
30) Carbon Tetrachloride	5.520	117	165293	10.372	ug/l	98
31) Isopropyl Ether	3.986	45	310121	10.075	ug/l	94
32) Ethyl-t-butyl ether	4.497	59	316530	10.011	ug/l	99
33) Tert-Amyl methyl ether	5.935	73	278734	9.914	ug/l	98
34) Propionitrile	4.784	54	40548	46.351	ug/l	# 14
35) Benzene	5.771	78	502457	9.913	ug/l	99
36) 1,2-Dichloroethane	5.790	62	139102	9.553	ug/l	98
37) Trichloroethene	6.539	130	127299	9.986	ug/l	99
38) 1,2-Dichloropropane	6.787	63	129379	9.962	ug/l	99
39) Methacrylonitrile	4.970	41	31646	9.997	ug/l	95
40) Methyl acrylate	4.842	55	51129	8.908	ug/l	# 95
41) Tetrahydrofuran	5.057	42	32045	19.389	ug/l	92
42) 1-Chlorobutane	5.452	56	229000	9.936	ug/l	96
43) Dibromomethane	6.915	93	62190	10.051	ug/l	92
44) Bromodichloromethane	7.102	83	156846	10.137	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.787	43	332192	51.758	ug/l	95
46) t-1,4-Dichloro-2-butene	10.828	75	65509m	16.294	ug/l	
47) Methyl methacrylate	6.957	69	112192	19.721	ug/l	95
48) Ethyl methacrylate	8.330	69	109831	9.955	ug/l	97
49) Toluene	7.967	92	315982	10.171	ug/l	98
50) t-1,3-Dichloropropene	8.205	75	152347	10.630	ug/l	100
51) cis-1,3-Dichloropropene	7.603	75	180751	10.184	ug/l	97
52) 1,1,2-Trichloroethane	8.394	97	88246	9.836	ug/l	96
53) 1,3-Dichloropropane	8.571	76	153951	9.947	ug/l	100
54) 2-Hexanone	8.681	43	373415	55.454	ug/l	96
55) Dibromochloromethane	8.806	129	95692	10.477	ug/l	99
56) 1,2-Dibromoethane	8.919	107	82771	10.013	ug/l	100
58) Tetrachloroethene	8.549	164	122052	10.238	ug/l	94
59) Chlorobenzene	9.443	112	332771	9.729	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.529	131	106965	10.289	ug/l	98
61) Pentachloroethane	11.423	117	68935	9.438	ug/l	99
62) Hexachloroethane	12.471	117	92400	9.185	ug/l #	81
63) Ethyl Benzene	9.568	91	619238	10.323	ug/l	100
64) m/p-Xylenes	9.690	106	471871	20.576	ug/l	99
65) o-Xylene	10.099	106	228001	10.159	ug/l	98
66) Styrene	10.111	104	358835	10.399	ug/l	97
67) Bromoform	10.288	173	43546	8.691	ug/l #	97
69) Isopropylbenzene	10.481	105	609001	10.363	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.780	83	105892	9.804	ug/l	98
71) 1,2,3-Trichloropropane	10.825	75	86552m	10.613	ug/l	
72) Bromobenzene	10.780	156	123984	10.071	ug/l	97
73) n-propylbenzene	10.902	120	166566	10.729	ug/l	98
74) 2-Chlorotoluene	10.983	126	135615	10.104	ug/l	94
75) 1,3,5-Trimethylbenzene	11.086	105	524383	10.626	ug/l	98
76) 4-Chlorotoluene	11.095	126	144728	10.384	ug/l	96
77) tert-Butylbenzene	11.417	119	476537	10.418	ug/l	98
78) 1,2,4-Trimethylbenzene	11.465	105	536238	10.670	ug/l	98
79) sec-Butylbenzene	11.639	105	702295	10.660	ug/l	98
80) Nitrobenzene	13.201	77	13233	48.767	ug/l #	94
81) p-Isopropyltoluene	11.790	119	557575	10.774	ug/l	99
82) 1,3-Dichlorobenzene	11.742	146	271464	10.346	ug/l	98
83) 1,4-Dichlorobenzene	11.832	146	264289	9.954	ug/l	97
84) n-Butylbenzene	12.205	91	574338	11.233	ug/l	99
85) 1,2-Dichlorobenzene	12.208	146	251634	10.121	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	16683	10.171	ug/l	96
87) 1,2,4-Trichlorobenzene	13.838	180	157119	10.834	ug/l	97
88) Hexachlorobutadiene	14.018	225	75039	10.819	ug/l	99
89) Naphthalene	14.082	128	305294	10.463	ug/l	99
90) 1,2,3-Trichlorobenzene	14.327	180	135763	10.866	ug/l	96

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

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