

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020624\
 Data File : VU057812.D
 Acq On : 06 Feb 2024 09:08
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/14/2024
 Supervised By : Mahesh Dadoda 02/14/2024

Quant Time: Feb 07 02:57:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U020524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 06 02:05:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	44637	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	18151	1.108	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	14593	1.007	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	150933	10.340	ug/l	100
3) Chloromethane	1.518	50	140638	10.037	ug/l	99
4) Vinyl Chloride	1.602	62	150143	10.377	ug/l	99
5) Bromomethane	1.856	94	94712	10.841	ug/l	97
6) Chloroethane	1.930	64	93411	10.030	ug/l	97
7) Trichlorofluoromethane	2.136	101	222135	10.138	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	112872	10.302	ug/l	95
9) 1,1-Dichloroethene	2.576	96	108287	10.079	ug/l	99
10) Iodomethane	2.718	142	173236	10.028	ug/l	93
11) Allyl Chloride	2.917	41	165653	10.104	ug/l	91
12) Acrylonitrile	3.316	53	45843	20.217	ug/l	97
13) Acetone	2.641	43	210564	47.409	ug/l	92
14) Carbon Disulfide	2.788	76	344583	10.032	ug/l	100
15) Methylene Chloride	3.039	84	125232	9.078	ug/l	98
16) trans-1,2-Dichloroethene	3.345	96	120069	10.296	ug/l	93
17) 1,1-Dichloroethane	3.859	63	240492	10.264	ug/l	98
18) 2-Butanone	4.718	43	233533	52.447	ug/l	96
19) Cyclohexane	5.377	56	188145	10.220	ug/l	95
20) Methylcyclohexane	6.753	83	226603	10.634	ug/l	96
21) 2,2-Dichloropropane	4.657	77	214589	10.171	ug/l	96
22) cis-1,2-Dichloroethene	4.657	96	127827	9.956	ug/l	89
23) Diethyl Ether	2.370	59	82029	9.895	ug/l	98
24) tert-Butyl Alcohol	3.258	59	56343	93.673	ug/l	# 1
25) Methyl tert-Butyl Ether	3.358	73	279434	10.213	ug/l	96
26) Bromochloromethane	4.965	128	50994	10.204	ug/l	90
27) Chloroform	5.081	83	238233	10.193	ug/l	97
28) 1,1,1-Trichloroethane	5.306	97	212322	10.031	ug/l	98
29) 1,1-Dichloropropene	5.515	75	178861	10.283	ug/l	98
30) Carbon Tetrachloride	5.515	117	189397	10.441	ug/l	97
31) Isopropyl Ether	3.988	45	373124	10.373	ug/l	94
32) Ethyl-t-butyl ether	4.499	59	356505	10.077	ug/l	98
33) Tert-Amyl methyl ether	5.939	73	302270	10.206	ug/l	97
34) Propionitrile	4.795	54	42800	51.504	ug/l	# 11
35) Benzene	5.766	78	511539	10.269	ug/l	99
36) 1,2-Dichloroethane	5.788	62	150913	10.361	ug/l	97
37) Trichloroethene	6.534	130	132568	10.335	ug/l	100
38) 1,2-Dichloropropane	6.785	63	137405	10.430	ug/l	100
39) Methacrylonitrile	4.975	41	37255	10.288	ug/l	96
40) Methyl acrylate	4.846	55	63501	10.528	ug/l	# 97
41) Tetrahydrofuran	5.065	42	36784	20.386	ug/l	96
42) 1-Chlorobutane	5.451	56	238118	10.311	ug/l	97
43) Dibromomethane	6.914	93	63224	10.452	ug/l	95
44) Bromodichloromethane	7.100	83	172073	10.466	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	353856	52.332	ug/l	98
46) t-1,4-Dichloro-2-butene	10.840	75	30383m	16.753	ug/l	
47) Methyl methacrylate	6.962	69	114704	20.684	ug/l	92
48) Ethyl methacrylate	8.332	69	116275	10.452	ug/l	100
49) Toluene	7.962	92	317228	10.532	ug/l	97
50) t-1,3-Dichloropropene	8.206	75	162598	10.875	ug/l	98
51) cis-1,3-Dichloropropene	7.602	75	198008	10.617	ug/l	95
52) 1,1,2-Trichloroethane	8.396	97	86664	10.409	ug/l	99
53) 1,3-Dichloropropane	8.570	76	156900	10.380	ug/l	100
54) 2-Hexanone	8.685	43	346367	52.902	ug/l	98
55) Dibromochloromethane	8.804	129	107644	10.822	ug/l	99
56) 1,2-Dibromoethane	8.920	107	81249	10.418	ug/l	98
58) Tetrachloroethene	8.547	164	114641	10.303	ug/l	94
59) Chlorobenzene	9.441	112	350195	10.573	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	122055	10.749	ug/l	96
61) Pentachloroethane	11.422	117	88776	10.605	ug/l	88
62) Hexachloroethane	12.470	117	108099	11.142	ug/l	97
63) Ethyl Benzene	9.563	91	632744	10.615	ug/l	99
64) m/p-Xylenes	9.688	106	467236	21.394	ug/l	98
65) o-Xylene	10.094	106	229359	10.572	ug/l	96
66) Styrene	10.110	104	362332	10.814	ug/l	97
67) Bromoform	10.287	173	55769	11.143	ug/l	99
69) Isopropylbenzene	10.479	105	618443	10.744	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	104094	10.383	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	103724m	11.708	ug/l	
72) Bromobenzene	10.775	156	127558	10.344	ug/l	96
73) n-propylbenzene	10.901	120	164078	10.927	ug/l	99
74) 2-Chlorotoluene	10.981	126	141005	10.749	ug/l	98
75) 1,3,5-Trimethylbenzene	11.081	105	527434	10.842	ug/l	99
76) 4-Chlorotoluene	11.090	126	141427	10.707	ug/l	93
77) tert-Butylbenzene	11.415	119	500600	10.679	ug/l	98
78) 1,2,4-Trimethylbenzene	11.460	105	528652	10.743	ug/l	100
79) sec-Butylbenzene	11.637	105	676868	10.933	ug/l	99
80) Nitrobenzene	13.206	77	13088	40.163	ug/l #	95
81) p-Isopropyltoluene	11.788	119	567121	11.141	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	262708	10.658	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	264393	10.827	ug/l	98
84) n-Butylbenzene	12.203	91	551930	11.362	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	236037	10.310	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.991	75	17457	10.428	ug/l	94
87) 1,2,4-Trichlorobenzene	13.833	180	156996	11.232	ug/l	98
88) Hexachlorobutadiene	14.016	225	95427	10.894	ug/l	99
89) Naphthalene	14.081	128	244136	9.975	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	126491	10.547	ug/l	99

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

