

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082222\
 Data File : VU050392.D
 Acq On : 22 Aug 2022 09:52
 Operator : SY/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 08/27/2022
 Supervised By :Mahesh Dadoda 09/12/2022

Quant Time: Aug 23 08:12:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 23 08:11:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	40752	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	18240	1.315	ug/l	0.00
Spiked Amount 1.000			Recovery	=	131.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	16142	0.984	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	158391	9.384	ug/l	99
3) Chloromethane	1.520	50	187511	9.134	ug/l	100
4) Vinyl Chloride	1.604	62	168954	9.630	ug/l	99
5) Bromomethane	1.851	94	60285	8.398	ug/l	99
6) Chloroethane	1.932	64	102056	9.618	ug/l	99
7) Trichlorofluoromethane	2.137	101	204006	9.319	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	114968	9.390	ug/l	97
9) 1,1-Dichloroethene	2.578	96	113973	9.496	ug/l	97
10) Iodomethane	2.719	142	82406	8.327	ug/l	96
11) Allyl Chloride	2.922	41	179654	9.711	ug/l	94
12) Acrylonitrile	3.317	53	68529	19.037	ug/l	# 95
13) Acetone	2.626	43	118660	47.133	ug/l	92
14) Carbon Disulfide	2.790	76	354311	9.530	ug/l	100
15) Methylene Chloride	3.044	84	139911	8.616	ug/l	95
16) trans-1,2-Dichloroethene	3.350	96	122525	9.878	ug/l	95
17) 1,1-Dichloroethane	3.864	63	234191	9.065	ug/l	99
18) 2-Butanone	4.719	43	170932	43.168	ug/l	100
19) Cyclohexane	5.385	56	164037m	8.749	ug/l	
20) Methylcyclohexane	6.761	83	173227	11.721	ug/l	99
21) 2,2-Dichloropropane	4.665	77	169289	8.621	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	135760	9.674	ug/l	97
23) Diethyl Ether	2.379	59	98934	9.596	ug/l	97
24) tert-Butyl Alcohol	3.195	59	116117m	106.479	ug/l	
25) Methyl tert-Butyl Ether	3.369	73	297383	9.328	ug/l	95
26) Bromochloromethane	4.973	128	61473	10.917	ug/l	95
27) Chloroform	5.089	83	239855	9.580	ug/l	98
28) 1,1,1-Trichloroethane	5.314	97	194626	9.110	ug/l	98
29) 1,1-Dichloropropene	5.523	75	164659	9.621	ug/l	99
30) Carbon Tetrachloride	5.520	117	167925	9.819	ug/l	97
31) Isopropyl Ether	4.002	45	319778	7.977	ug/l	91
32) Ethyl-t-butyl ether	4.514	59	222344	7.060	ug/l	97
33) Tert-Amyl methyl ether	5.948	73	182734	8.901	ug/l	99
34) Propionitrile	4.787	54	59014	50.455	ug/l	# 98
35) Benzene	5.774	78	508731	10.113	ug/l	99
36) 1,2-Dichloroethane	5.796	62	148136	9.645	ug/l	99
37) Trichloroethene	6.542	130	120863	10.022	ug/l	99
38) 1,2-Dichloropropane	6.793	63	140780	10.426	ug/l	100
39) Methacrylonitrile	4.983	41	39796	8.292	ug/l	# 91
40) Methyl acrylate	4.854	55	66134m	9.046	ug/l	
41) Tetrahydrofuran	5.067	42	42301	17.603	ug/l	94
42) 1-Chlorobutane	5.456	56	228143	9.362	ug/l	96
43) Dibromomethane	6.919	93	73314	10.072	ug/l	98
44) Bromodichloromethane	7.108	83	181525	10.568	ug/l	97

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45) 4-Methyl-2-Pentanone	7.796	43	396735	54.300	ug/l	98
46) t-1,4-Dichloro-2-butene	10.832	75	74036m	17.047	ug/l	
47) Methyl methacrylate	6.967	69	123440	18.188	ug/l	93
48) Ethyl methacrylate	8.337	69	108304	8.842	ug/l	94
49) Toluene	7.970	92	306702	11.347	ug/l	98
50) t-1,3-Dichloropropene	8.211	75	154057	11.519	ug/l	98
51) cis-1,3-Dichloropropene	7.610	75	173132	11.308	ug/l	95
52) 1,1,2-Trichloroethane	8.401	97	106675	9.972	ug/l	99
53) 1,3-Dichloropropane	8.578	76	175488	10.417	ug/l	99
54) 2-Hexanone	8.690	43	274537	53.955	ug/l	98
55) Dibromochloromethane	8.812	129	126671	10.764	ug/l	99
56) 1,2-Dibromoethane	8.925	107	97302	10.127	ug/l	100
58) Tetrachloroethene	8.552	164	109107	9.614	ug/l	95
59) Chlorobenzene	9.449	112	319203	10.944	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	127826	10.427	ug/l	97
61) Pentachloroethane	11.430	117	110508	10.832	ug/l	96
62) Hexachloroethane	12.475	117	107682	12.689	ug/l	97
63) Ethyl Benzene	9.571	91	554172	9.425	ug/l	99
64) m/p-Xylenes	9.693	106	449884	19.247	ug/l	97
65) o-Xylene	10.102	106	207535	9.540	ug/l	97
66) Styrene	10.115	104	369872	9.544	ug/l	97
67) Bromoform	10.291	173	75011	11.224	ug/l	99
69) Isopropylbenzene	10.484	105	543440	9.458	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.783	83	146440	9.947	ug/l	99
71) 1,2,3-Trichloropropane	10.825	75	101412m	9.160	ug/l	
72) Bromobenzene	10.783	156	133794	10.625	ug/l	97
73) n-propylbenzene	10.906	120	148571	9.274	ug/l	98
74) 2-Chlorotoluene	10.986	126	136759	9.405	ug/l	98
75) 1,3,5-Trimethylbenzene	11.089	105	495257	9.626	ug/l	98
76) 4-Chlorotoluene	11.098	126	138485	9.143	ug/l	98
77) tert-Butylbenzene	11.420	119	464253	9.585	ug/l	97
78) 1,2,4-Trimethylbenzene	11.468	105	506453	9.426	ug/l	98
79) sec-Butylbenzene	11.645	105	622249	9.400	ug/l	99
80) Nitrobenzene	13.208	77	43905m	54.971	ug/l	
81) p-Isopropyltoluene	11.793	119	502999	9.311	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	275604	10.630	ug/l	99
83) 1,4-Dichlorobenzene	11.835	146	278646	10.810	ug/l	98
84) n-Butylbenzene	12.211	91	444086	9.003	ug/l	97
85) 1,2-Dichlorobenzene	12.211	146	270010	10.593	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.996	75	24807	10.678	ug/l	92
87) 1,2,4-Trichlorobenzene	13.841	180	150350	10.339	ug/l	99
88) Hexachlorobutadiene	14.021	225	95301	10.069	ug/l	100
89) Naphthalene	14.089	128	308149	8.024	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	156109	8.392	ug/l	99

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

