

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082222\
 Data File : VU050407.D
 Acq On : 22 Aug 2022 19:52
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/27/2022
 Supervised By :Mahesh Dadoda 09/12/2022

Quant Time: Aug 23 08:28:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 23 08:18:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.111	96	37208	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	14314	1.130	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	16495	1.101	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	145881	9.466	ug/l	99
3) Chloromethane	1.520	50	183902	9.811	ug/l	99
4) Vinyl Chloride	1.604	62	161850	10.104	ug/l	99
5) Bromomethane	1.854	94	45798	6.987	ug/l	99
6) Chloroethane	1.932	64	99474	10.268	ug/l	99
7) Trichlorofluoromethane	2.137	101	196421	9.827	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	109104	9.760	ug/l	95
9) 1,1-Dichloroethene	2.578	96	110030	10.041	ug/l	99
10) Iodomethane	2.719	142	66186	7.325	ug/l	98
11) Allyl Chloride	2.922	41	173036	10.245	ug/l	92
12) Acrylonitrile	3.321	53	73306m	22.304	ug/l	
13) Acetone	2.629	43	124631m	54.219	ug/l	
14) Carbon Disulfide	2.790	76	327138	9.637	ug/l	99
15) Methylene Chloride	3.044	84	148323	10.004	ug/l	96
16) trans-1,2-Dichloroethene	3.346	96	118802	10.490	ug/l	96
17) 1,1-Dichloroethane	3.864	63	241618	10.243	ug/l	98
18) 2-Butanone	4.729	43	163082m	45.108	ug/l	
19) Cyclohexane	5.375	56	148378m	8.668	ug/l	
20) Methylcyclohexane	6.758	83	148668	11.018	ug/l	99
21) 2,2-Dichloropropane	4.658	77	151494	8.450	ug/l	100
22) cis-1,2-Dichloroethene	4.661	96	136487	10.652	ug/l	99
23) Diethyl Ether	2.378	59	95397	10.134	ug/l	99
24) tert-Butyl Alcohol	3.202	59	99877m	100.311	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	288733	9.919	ug/l	93
26) Bromochloromethane	4.970	128	55840	10.861	ug/l	91
27) Chloroform	5.086	83	241278	10.555	ug/l	97
28) 1,1,1-Trichloroethane	5.308	97	177667	9.108	ug/l	97
29) 1,1-Dichloropropene	5.517	75	151145	9.673	ug/l	99
30) Carbon Tetrachloride	5.513	117	149131	9.551	ug/l	99
31) Isopropyl Ether	4.005	45	384499	10.505	ug/l	97
32) Ethyl-t-butyl ether	4.517	59	290035	10.087	ug/l	98
33) Tert-Amyl methyl ether	5.957	73	187050	9.979	ug/l	99
34) Propionitrile	4.793	54	48213m	45.147	ug/l	
35) Benzene	5.767	78	473277	10.304	ug/l	100
36) 1,2-Dichloroethane	5.796	62	144630	10.313	ug/l	100
37) Trichloroethene	6.539	130	111069	10.087	ug/l	96
38) 1,2-Dichloropropane	6.793	63	132606	10.756	ug/l	99
39) Methacrylonitrile	4.986	41	44072	10.058	ug/l #	87
40) Methyl acrylate	4.857	55	84501	12.660	ug/l #	95
41) Tetrahydrofuran	5.079	42	40439	18.431	ug/l	93
42) 1-Chlorobutane	5.452	56	207303	9.317	ug/l	99
43) Dibromomethane	6.922	93	70214	10.565	ug/l	96
44) Bromodichloromethane	7.108	83	168424	10.740	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.806	43	391423	58.675	ug/l	99
46) t-1,4-Dichloro-2-butene	10.828	75	79428m	19.939	ug/l	
47) Methyl methacrylate	6.973	69	117082	18.855	ug/l	94
48) Ethyl methacrylate	8.340	69	102689	9.161	ug/l	92
49) Toluene	7.970	92	292700	11.861	ug/l	98
50) t-1,3-Dichloropropene	8.214	75	132437	10.846	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	150646	10.776	ug/l	94
52) 1,1,2-Trichloroethane	8.404	97	103640	10.611	ug/l	98
53) 1,3-Dichloropropane	8.578	76	170543	11.087	ug/l	100
54) 2-Hexanone	8.697	43	273747	58.924	ug/l	100
55) Dibromochloromethane	8.812	129	113453	10.559	ug/l	99
56) 1,2-Dibromoethane	8.925	107	91060	10.380	ug/l	100
58) Tetrachloroethene	8.552	164	103955	10.033	ug/l	99
59) Chlorobenzene	9.446	112	298958	11.226	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.536	131	114172	10.200	ug/l	97
61) Pentachloroethane	11.430	117	99791	10.713	ug/l	92
62) Hexachloroethane	12.475	117	87791	11.330	ug/l	99
63) Ethyl Benzene	9.571	91	523120	9.725	ug/l	100
64) m/p-Xylenes	9.693	106	432464	20.207	ug/l	98
65) o-Xylene	10.102	106	197864	9.939	ug/l	96
66) Styrene	10.115	104	357155	10.059	ug/l	98
67) Bromoform	10.291	173	64209	10.523	ug/l	98
69) Isopropylbenzene	10.484	105	517765	9.845	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.783	83	142635	10.611	ug/l	97
71) 1,2,3-Trichloropropane	10.825	75	103401m	10.229	ug/l	
72) Bromobenzene	10.783	156	129427	11.258	ug/l	97
73) n-propylbenzene	10.905	120	145083	9.877	ug/l	97
74) 2-Chlorotoluene	10.986	126	134308	10.087	ug/l	98
75) 1,3,5-Trimethylbenzene	11.089	105	472787	10.041	ug/l	99
76) 4-Chlorotoluene	11.098	126	143157	10.299	ug/l	81
77) tert-Butylbenzene	11.420	119	434233	9.807	ug/l	98
78) 1,2,4-Trimethylbenzene	11.468	105	490832	9.970	ug/l	97
79) sec-Butylbenzene	11.645	105	600118	9.898	ug/l	99
80) Nitrobenzene	13.211	77	39548	54.232	ug/l	97
81) p-Isopropyltoluene	11.793	119	484728	9.794	ug/l	99
82) 1,3-Dichlorobenzene	11.745	146	274151	11.581	ug/l	100
83) 1,4-Dichlorobenzene	11.835	146	275999	11.727	ug/l	99
84) n-Butylbenzene	12.211	91	422104	9.349	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	268664	11.545	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.999	75	21828	10.291	ug/l	95
87) 1,2,4-Trichlorobenzene	13.841	180	150730	11.352	ug/l	99
88) Hexachlorobutadiene	14.021	225	90021	10.417	ug/l	99
89) Naphthalene	14.089	128	307237	8.674	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	160123	9.367	ug/l	99

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

