

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022122\
 Data File : VU047229.D
 Acq On : 21 Feb 2022 18:38
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/22/2022
 Supervised By : Mahesh Dadoda 02/22/2022

Quant Time: Feb 22 12:44:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 15 03:17:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.118	96	52572	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	19715	0.968	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	21359	1.007	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	168638	9.621	ug/l	100
3) Chloromethane	1.523	50	252374	14.018	ug/l	99
4) Vinyl Chloride	1.610	62	166648	9.377	ug/l	99
5) Bromomethane	1.864	94	46980	4.046	ug/l	99
6) Chloroethane	1.941	64	97944	9.593	ug/l	99
7) Trichlorofluoromethane	2.147	101	224114	10.699	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.591	101	122142	10.116	ug/l	93
9) 1,1-Dichloroethene	2.588	96	125172	10.073	ug/l	93
10) Iodomethane	2.729	142	53118	4.168	ug/l	99
11) Allyl Chloride	2.932	41	168608	8.705	ug/l	97
12) Acrylonitrile	3.333	53	67131	18.406	ug/l	92
13) Acetone	2.668	43	129234	57.931	ug/l	99
14) Carbon Disulfide	2.800	76	387695	9.224	ug/l	100
15) Methylene Chloride	3.054	84	147109	10.541	ug/l	96
16) trans-1,2-Dichloroethene	3.359	96	132702	10.119	ug/l	97
17) 1,1-Dichloroethane	3.877	63	230785	9.605	ug/l	99
18) 2-Butanone	4.729	43	211150	57.465	ug/l	98
19) Cyclohexane	5.391	56	207582m	9.324	ug/l	
20) Methylcyclohexane	6.767	83	236269	9.629	ug/l	96
21) 2,2-Dichloropropane	4.671	77	209002	9.733	ug/l	97
22) cis-1,2-Dichloroethene	4.674	96	147255	9.763	ug/l	92
23) Diethyl Ether	2.382	59	101181	10.075	ug/l	98
24) tert-Butyl Alcohol	3.311	59	44201m	67.673	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	336101	9.645	ug/l	97
26) Bromochloromethane	4.983	128	61570	9.077	ug/l	88
27) Chloroform	5.095	83	240845	9.878	ug/l	99
28) 1,1,1-Trichloroethane	5.321	97	211791	10.034	ug/l	97
29) 1,1-Dichloropropene	5.530	75	189043	9.783	ug/l	97
30) Carbon Tetrachloride	5.530	117	181164	9.762	ug/l	99
31) Isopropyl Ether	4.002	45	365080	9.499	ug/l	99
32) Ethyl-t-butyl ether	4.510	59	355679	9.104	ug/l	97
33) Tert-Amyl methyl ether	5.944	73	328994	9.143	ug/l	99
34) Propionitrile	4.813	54	66161	58.865	ug/l	# 1
35) Benzene	5.777	78	534284	9.867	ug/l	100
36) 1,2-Dichloroethane	5.800	62	162992	9.942	ug/l	99
37) Trichloroethene	6.546	130	153383	10.231	ug/l	93
38) 1,2-Dichloropropane	6.796	63	138108	9.638	ug/l	100
39) Methacrylonitrile	4.986	41	49061	9.934	ug/l	96
40) Methyl acrylate	4.854	55	96496	11.559	ug/l	98
41) Tetrahydrofuran	5.076	42	53715	21.351	ug/l	99
42) 1-Chlorobutane	5.462	56	249018	9.598	ug/l	99
43) Dibromomethane	6.922	93	79022	10.226	ug/l	91
44) Bromodichloromethane	7.108	83	180019	9.849	ug/l	99

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45) 4-Methyl-2-Pentanone	7.796	43	491686	47.043	ug/l	98
46) t-1,4-Dichloro-2-butene	10.841	75	62429m	13.721	ug/l	
47) Methyl methacrylate	6.964	69	158341	19.537	ug/l	94
48) Ethyl methacrylate	8.337	69	159989	9.738	ug/l	94
49) Toluene	7.973	92	343794	9.843	ug/l	98
50) t-1,3-Dichloropropene	8.214	75	191693	9.690	ug/l	99
51) cis-1,3-Dichloropropene	7.610	75	214572	9.675	ug/l	97
52) 1,1,2-Trichloroethane	8.404	97	109633	9.943	ug/l	98
53) 1,3-Dichloropropane	8.578	76	189289	9.609	ug/l	99
54) 2-Hexanone	8.690	43	359772	46.204	ug/l	99
55) Dibromochloromethane	8.812	129	131754	9.829	ug/l	99
56) 1,2-Dibromoethane	8.925	107	111820	10.035	ug/l	98
58) Tetrachloroethene	8.555	164	138861	10.038	ug/l	98
59) Chlorobenzene	9.449	112	381407	9.793	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.536	131	137339	10.260	ug/l	99
61) Pentachloroethane	11.430	117	108119	10.640	ug/l	83
62) Hexachloroethane	12.478	117	99047	9.028	ug/l #	78
63) Ethyl Benzene	9.571	91	668869	9.770	ug/l	99
64) m/p-Xylenes	9.693	106	507673	19.454	ug/l	98
65) o-Xylene	10.102	106	247690	9.798	ug/l	97
66) Styrene	10.115	104	423424	9.869	ug/l	97
67) Bromoform	10.291	173	80358	9.460	ug/l #	98
69) Isopropylbenzene	10.484	105	663831	9.764	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.783	83	150979	10.128	ug/l	99
71) 1,2,3-Trichloropropane	10.838	75	128187m	10.189	ug/l	
72) Bromobenzene	10.783	156	167907	10.113	ug/l	84
73) n-propylbenzene	10.906	120	184852	9.876	ug/l	88
74) 2-Chlorotoluene	10.986	126	158914	9.960	ug/l	83
75) 1,3,5-Trimethylbenzene	11.089	105	551726	9.895	ug/l	98
76) 4-Chlorotoluene	11.098	126	167725	10.005	ug/l	82
77) tert-Butylbenzene	11.420	119	555363	9.927	ug/l	94
78) 1,2,4-Trimethylbenzene	11.468	105	557247	9.793	ug/l	97
79) sec-Butylbenzene	11.645	105	729913	9.825	ug/l	97
80) Nitrobenzene	13.208	77	17967	24.965	ug/l	99
81) p-Isopropyltoluene	11.793	119	618615	9.841	ug/l	96
82) 1,3-Dichlorobenzene	11.748	146	319993	9.900	ug/l	98
83) 1,4-Dichlorobenzene	11.838	146	323680	9.941	ug/l	98
84) n-Butylbenzene	12.211	91	599313	9.928	ug/l	96
85) 1,2-Dichlorobenzene	12.214	146	310524	9.980	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.995	75	26687	9.764	ug/l #	77
87) 1,2,4-Trichlorobenzene	13.841	180	250292	10.245	ug/l	98
88) Hexachlorobutadiene	14.021	225	127694	10.223	ug/l	98
89) Naphthalene	14.085	128	488044	9.753	ug/l	99
90) 1,2,3-Trichlorobenzene	14.330	180	225317	10.282	ug/l	98

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

