

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072419\
 Data File : VU033386.D
 Acq On : 24 Jul 2019 11:01
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 12:13:03 PM

Quant Time: Jul 25 07:52:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 24 03:53:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	5.72	96	31404	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	15770	1.28	ug/l	0.00
Spiked Amount 1.000			Recovery	=	128.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	13287	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	133040	10.243	ug/l	97
3) Chloromethane	1.33	50	127221	8.875	ug/l	99
4) Vinyl Chloride	1.40	62	148312	9.272	ug/l	99
5) Bromomethane	1.62	94	93048	9.240	ug/l	98
6) Chloroethane	1.69	64	94624	8.423	ug/l	97
7) Trichlorofluoromethane	1.88	101	214591	9.770	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	111114	9.807	ug/l	98
9) 1,1-Dichloroethene	2.27	96	106591	9.552	ug/l	97
10) Iodomethane	2.40	142	116107	7.742	ug/l	99
11) Allyl Chloride	2.58	41	167052	9.072	ug/l	99
12) Acrylonitrile	2.92	53	49401	15.859	ug/l	99
13) Acetone	2.31	43	131213	49.373	ug/l	99
14) Carbon Disulfide	2.46	76	385805	9.099	ug/l	100
15) Methylene Chloride	2.68	84	126889	8.431	ug/l	97
16) trans-1,2-Dichloroethene	2.96	96	119578	9.024	ug/l	99
17) 1,1-Dichloroethane	3.42	63	224376	12.616	ug/l	100
18) 2-Butanone	4.25	43	132906	52.395	ug/l	100
19) Cyclohexane	4.97	56	140945m	10.799	ug/l	
20) Methylcyclohexane	6.40	83	149780	11.399	ug/l	99
21) 2,2-Dichloropropane	4.20	77	158166	10.496	ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	100496	10.007	ug/l	97
23) Diethyl Ether	2.09	59	86015	8.942	ug/l	98
24) tert-Butyl Alcohol	2.81	59	92627	77.509	ug/l	100
25) Methyl tert-Butyl Ether	2.98	73	280817	8.740	ug/l	98
26) Bromochloromethane	4.52	128	43450	9.839	ug/l	98
27) Chloroform	4.65	83	185679	9.135	ug/l	100
28) 1,1,1-Trichloroethane	4.89	97	159648	10.145	ug/l	99
29) 1,1-Dichloropropene	5.11	75	136485	10.515	ug/l	99
30) Carbon Tetrachloride	5.11	117	140928	10.175	ug/l	97
31) Isopropyl Ether	3.56	45	228494	10.165	ug/l	100
32) Ethyl-t-butyl ether	4.05	59	220568	10.207	ug/l	99
33) Tert-Amyl methyl ether	5.56	73	202116	10.400	ug/l	99
34) Propionitrile	4.31	54	34901	47.963	ug/l #	98
35) Benzene	5.36	78	391106	10.429	ug/l	100
36) 1,2-Dichloroethane	5.38	62	123241	9.875	ug/l	100
37) Trichloroethene	6.16	130	101048	10.209	ug/l	97
38) 1,2-Dichloropropane	6.41	63	106030	10.248	ug/l	100
39) Methacrylonitrile	4.52	41	27128	9.392	ug/l	97
40) Methyl acrylate	4.40	55	44465	9.895	ug/l	98
41) Tetrahydrofuran	4.62	42	27731	19.146	ug/l	96
42) 1-Chlorobutane	5.04	56	182403	10.481	ug/l	99

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43) Dibromomethane	6.54	93	54499	9.514	ug/l	96
44) Bromodichloromethane	6.74	83	138323	10.015	ug/l	99
45) 4-Methyl-2-Pentanone	7.45	43	294000	50.324	ug/l	99
46) t-1,4-Dichloro-2-butene	10.50	75	45292m	19.210	ug/l	
47) Methyl methacrylate	6.61	69	91527	20.963	ug/l	98
48) Ethyl methacrylate	8.00	69	82560	10.728	ug/l	97
49) Toluene	7.62	92	249230	11.601	ug/l	100
50) t-1,3-Dichloropropene	7.86	75	123295	10.703	ug/l	100
51) cis-1,3-Dichloropropene	7.25	75	140980	10.365	ug/l	99
52) 1,1,2-Trichloroethane	8.05	97	75313	9.838	ug/l	98
53) 1,3-Dichloropropane	8.23	76	131033	10.129	ug/l	99
54) 2-Hexanone	8.35	43	219256	53.315	ug/l	100
55) Dibromochloromethane	8.46	129	92282	10.320	ug/l	97
56) 1,2-Dibromoethane	8.57	107	69739	9.773	ug/l	97
58) Tetrachloroethene	8.21	164	99131	11.044	ug/l	96
59) Chlorobenzene	9.10	112	273024	11.085	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.19	131	98203	10.500	ug/l	99
61) Pentachloroethane	11.09	117	82118	10.698	ug/l	100
62) Hexachloroethane	12.13	117	80919	10.895	ug/l	100
63) Ethyl Benzene	9.23	91	470962	11.908	ug/l	99
64) m/p-Xylenes	9.36	106	392688	24.834	ug/l	97
65) o-Xylene	9.77	106	180519	11.914	ug/l	98
66) Styrene	9.78	104	319981	12.449	ug/l	100
67) Bromoform	9.94	173	51388	10.618	ug/l	99
69) Isopropylbenzene	10.15	105	470511	12.110	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.44	83	99497	9.806	ug/l	100
71) 1,2,3-Trichloropropane	10.48	75	76279m	9.738	ug/l	
72) Bromobenzene	10.44	156	114695	11.175	ug/l	99
73) n-propylbenzene	10.57	120	140119	12.652	ug/l	99
74) 2-Chlorotoluene	10.65	126	123785	12.244	ug/l	100
75) 1,3,5-Trimethylbenzene	10.76	105	445778	12.779	ug/l	100
76) 4-Chlorotoluene	10.76	126	130606	12.398	ug/l	97
77) tert-Butylbenzene	11.09	119	397785	12.033	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	460083	12.904	ug/l	100
79) sec-Butylbenzene	11.31	105	563751	12.390	ug/l	99
80) Nitrobenzene	12.85	77	13695	32.474	ug/l #	94
81) p-Isopropyltoluene	11.46	119	474986	12.839	ug/l	100
82) 1,3-Dichlorobenzene	11.40	146	247360	11.339	ug/l	100
83) 1,4-Dichlorobenzene	11.49	146	250251	11.596	ug/l	99
84) n-Butylbenzene	11.87	91	481624	12.722	ug/l	99
85) 1,2-Dichlorobenzene	11.86	146	228083	11.152	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.64	75	16032	10.045	ug/l	98
87) 1,2,4-Trichlorobenzene	13.49	180	142350	11.697	ug/l	99
88) Hexachlorobutadiene	13.68	225	84988	11.323	ug/l	98
89) Naphthalene	13.73	128	244235	8.915	ug/l	100
90) 1,2,3-Trichlorobenzene	13.97	180	134801	11.413	ug/l	98

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

