

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020719\
 Data File : VU029364.D
 Acq On : 07 Feb 2019 09:54
 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

sam
 2/8/2019 2:27:55 PM

Quant Time: Feb 08 12:57:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	5.74	96	49186	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21700	1.13	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	21846	1.11	ug/l	0.00
Spiked Amount 1.000			Recovery	=	111.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	175341	9.552	ug/l	100
3) Chloromethane	1.33	50	152120	9.069	ug/l	99
4) Vinyl Chloride	1.40	62	188187	9.570	ug/l	98
5) Bromomethane	1.62	94	106736	9.758	ug/l	94
6) Chloroethane	1.70	64	113079	9.843	ug/l	98
7) Trichlorofluoromethane	1.88	101	290524	10.580	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	157810	10.884	ug/l	89
9) 1,1-Dichloroethene	2.28	96	150277	10.591	ug/l	72
10) Iodomethane	2.41	142	238340	11.187	ug/l #	78
11) Allyl Chloride	2.59	41	232426	9.768	ug/l	91
12) Acrylonitrile	2.93	53	62500	19.653	ug/l	97
13) Acetone	2.32	43	150761	49.189	ug/l #	82
14) Carbon Disulfide	2.47	76	506196	10.104	ug/l	100
15) Methylene Chloride	2.70	84	163439	9.500	ug/l #	79
16) trans-1,2-Dichloroethene	2.98	96	165352	10.421	ug/l #	78
17) 1,1-Dichloroethane	3.44	63	243184	9.671	ug/l	97
18) 2-Butanone	4.27	43	166276	48.540	ug/l	100
19) Cyclohexane	4.99	56	210157m	9.014	ug/l	
20) Methylcyclohexane	6.41	83	248225	10.137	ug/l #	84
21) 2,2-Dichloropropane	4.22	77	228599	9.822	ug/l #	91
22) cis-1,2-Dichloroethene	4.22	96	156705	10.484	ug/l	77
23) Diethyl Ether	2.10	59	112353	9.861	ug/l	88
24) tert-Butyl Alcohol	2.83	59	115011	97.129	ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	408923	10.235	ug/l #	87
26) Bromochloromethane	4.54	128	69975	10.598	ug/l	72
27) Chloroform	4.67	83	250712	10.253	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	234270	10.336	ug/l	94
29) 1,1-Dichloropropene	5.13	75	193033	9.811	ug/l	91
30) Carbon Tetrachloride	5.13	117	218005	10.625	ug/l	99
31) Isopropyl Ether	3.58	45	357510	9.423	ug/l	90
32) Ethyl-t-butyl ether	4.07	59	364197	9.579	ug/l	89
33) Tert-Amyl methyl ether	5.58	73	346910	10.091	ug/l	98
34) Propionitrile	4.33	54	44594	49.526	ug/l #	93
35) Benzene	5.38	78	552695	10.158	ug/l	99
36) 1,2-Dichloroethane	5.40	62	158259	9.616	ug/l #	90
37) Trichloroethene	6.18	130	170715	10.934	ug/l	86
38) 1,2-Dichloropropane	6.43	63	140427	9.921	ug/l	99
39) Methacrylonitrile	4.55	41	41950	9.098	ug/l #	90
40) Methyl acrylate	4.42	55	66789	9.595	ug/l #	90
41) Tetrahydrofuran	4.65	42	41110	17.699	ug/l #	83
42) 1-Chlorobutane	5.06	56	256421	9.727	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	76279	10.113	ug/l	90
44) Bromodichloromethane	6.75	83	195666	10.181	ug/l	97
45) 4-Methyl-2-Pentanone	7.46	43	420702	47.580	ug/l #	91
46) t-1,4-Dichloro-2-butene	10.51	75	86767m	20.142	ug/l	
47) Methyl methacrylate	6.62	69	135711	20.449	ug/l #	74
48) Ethyl methacrylate	8.02	69	143709	10.094	ug/l	77
49) Toluene	7.63	92	362203	10.403	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	186877	9.919	ug/l	95
51) cis-1,3-Dichloropropene	7.27	75	224490	10.031	ug/l #	87
52) 1,1,2-Trichloroethane	8.06	97	103249	10.339	ug/l	98
53) 1,3-Dichloropropane	8.24	76	177769	10.134	ug/l	100
54) 2-Hexanone	8.36	43	297696	48.032	ug/l	87
55) Dibromochloromethane	8.48	129	150732	10.620	ug/l	99
56) 1,2-Dibromoethane	8.58	107	105345	10.282	ug/l	100
58) Tetrachloroethene	8.22	164	162223	11.166	ug/l	91
59) Chlorobenzene	9.12	112	418146	10.661	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	156467	10.796	ug/l	97
61) Pentachloroethane	11.10	117	122825	10.935	ug/l	85
62) Hexachloroethane	12.14	117	134167	10.944	ug/l	95
63) Ethyl Benzene	9.25	91	703839	10.333	ug/l	95
64) m/p-Xylenes	9.37	106	563628	21.292	ug/l	87
65) o-Xylene	9.78	106	277217	10.669	ug/l	86
66) Styrene	9.79	104	460244	10.626	ug/l	94
67) Bromoform	9.95	173	98084	11.108	ug/l	99
69) Isopropylbenzene	10.16	105	736442	10.609	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.46	83	130497	10.196	ug/l	96
71) 1,2,3-Trichloropropane	10.49	75	94236m	10.722	ug/l	
72) Bromobenzene	10.45	156	189392	11.256	ug/l	83
73) n-propylbenzene	10.58	120	213579	11.046	ug/l	76
74) 2-Chlorotoluene	10.66	126	181410	11.018	ug/l	74
75) 1,3,5-Trimethylbenzene	10.77	105	631640	10.554	ug/l	95
76) 4-Chlorotoluene	10.77	126	188316	11.021	ug/l	75
77) tert-Butylbenzene	11.10	119	636737	10.763	ug/l	91
78) 1,2,4-Trimethylbenzene	11.14	105	643817	10.625	ug/l	94
79) sec-Butylbenzene	11.32	105	820154	10.596	ug/l	95
80) Nitrobenzene	12.86	77	28743	50.406	ug/l	92
81) p-Isopropyltoluene	11.47	119	713282	10.871	ug/l	93
82) 1,3-Dichlorobenzene	11.41	146	369847	11.203	ug/l	96
83) 1,4-Dichlorobenzene	11.50	146	365803	11.126	ug/l	97
84) n-Butylbenzene	11.89	91	638452	10.604	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	341061	10.927	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.65	75	23789	9.959	ug/l #	63
87) 1,2,4-Trichlorobenzene	13.50	180	254976	11.630	ug/l	99
88) Hexachlorobutadiene	13.69	225	153548	12.093	ug/l	99
89) Naphthalene	13.74	128	417664	11.233	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	229507	11.455	ug/l	96

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

