

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U020619\
 Data File : VU029362.D
 Acq On : 06 Feb 2019 15:13
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01052

Manual Integrations
 APPROVED

sam
 2/8/2019 2:27:42 PM

Quant Time: Feb 08 12:36:01 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	52530	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21334	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	23020	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	182283	9.298	ug/l	99
3) Chloromethane	1.33	50	157165	8.773	ug/l	99
4) Vinyl Chloride	1.40	62	194032	9.239	ug/l	99
5) Bromomethane	1.62	94	112076	9.594	ug/l	96
6) Chloroethane	1.70	64	116806	9.520	ug/l	99
7) Trichlorofluoromethane	1.88	101	298088	10.164	ug/l	95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	162208	10.475	ug/l	89
9) 1,1-Dichloroethene	2.28	96	153862	10.153	ug/l	71
10) Iodomethane	2.41	142	215926	9.535	ug/l #	78
11) Allyl Chloride	2.59	41	233553	9.191	ug/l	91
12) Acrylonitrile	2.94	53	64309	18.934	ug/l	97
13) Acetone	2.32	43	153287	46.829	ug/l #	83
14) Carbon Disulfide	2.48	76	518033	9.682	ug/l	99
15) Methylene Chloride	2.70	84	167940	9.140	ug/l #	79
16) trans-1,2-Dichloroethene	2.98	96	169316	9.992	ug/l #	78
17) 1,1-Dichloroethane	3.44	63	269050	10.019	ug/l	97
18) 2-Butanone	4.27	43	178104	48.683	ug/l	98
19) Cyclohexane	4.99	56	215379m	8.650	ug/l	
20) Methylcyclohexane	6.41	83	255333	9.764	ug/l #	86
21) 2,2-Dichloropropane	4.22	77	237503	9.555	ug/l	93
22) cis-1,2-Dichloroethene	4.22	96	160984	10.085	ug/l	77
23) Diethyl Ether	2.10	59	115795	9.516	ug/l	89
24) tert-Butyl Alcohol	2.83	59	119002	94.102	ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	416961	9.772	ug/l #	86
26) Bromochloromethane	4.54	128	70844	10.047	ug/l	73
27) Chloroform	4.67	83	256708	9.830	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	239523	9.895	ug/l	95
29) 1,1-Dichloropropene	5.13	75	200320	9.533	ug/l	92
30) Carbon Tetrachloride	5.13	117	225424	10.287	ug/l	100
31) Isopropyl Ether	3.58	45	371409	9.166	ug/l	91
32) Ethyl-t-butyl ether	4.07	59	381456	9.394	ug/l	90
33) Tert-Amyl methyl ether	5.58	73	361094	9.835	ug/l	99
34) Propionitrile	4.33	54	47047	48.924	ug/l #	93
35) Benzene	5.38	78	564915	9.722	ug/l	97
36) 1,2-Dichloroethane	5.40	62	165271	9.403	ug/l #	89
37) Trichloroethene	6.18	130	176060	10.558	ug/l	86
38) 1,2-Dichloropropane	6.43	63	143412	9.487	ug/l	99
39) Methacrylonitrile	4.55	41	44304	8.996	ug/l #	89
40) Methyl acrylate	4.42	55	70316	9.459	ug/l #	92
41) Tetrahydrofuran	4.65	42	43315	17.461	ug/l #	81
42) 1-Chlorobutane	5.06	56	261026	9.271	ug/l	87

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43) Dibromomethane	6.56	93	77147	9.577	ug/l	89
44) Bromodichloromethane	6.76	83	198795	9.685	ug/l	96
45) 4-Methyl-2-Pentanone	7.46	43	437744	46.356	ug/l #	90
46) t-1,4-Dichloro-2-butene	10.51	75	88178m	19.166	ug/l	
47) Methyl methacrylate	6.62	69	141837	20.012	ug/l #	76
48) Ethyl methacrylate	8.02	69	151354	9.954	ug/l	80
49) Toluene	7.63	92	371427	9.989	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	195216	9.702	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	230417	9.640	ug/l #	88
52) 1,1,2-Trichloroethane	8.06	97	108405	10.165	ug/l	98
53) 1,3-Dichloropropane	8.24	76	182360	9.734	ug/l	99
54) 2-Hexanone	8.36	43	311398	47.044	ug/l	87
55) Dibromochloromethane	8.47	129	153935	10.155	ug/l	99
56) 1,2-Dibromoethane	8.58	107	106665	9.749	ug/l	100
58) Tetrachloroethene	8.22	164	166328	10.719	ug/l	92
59) Chlorobenzene	9.12	112	431714	10.306	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	160690	10.382	ug/l	98
61) Pentachloroethane	11.10	117	123227	10.272	ug/l	84
62) Hexachloroethane	12.14	117	136754	10.445	ug/l	93
63) Ethyl Benzene	9.25	91	724660	9.962	ug/l	94
64) m/p-Xylenes	9.37	106	579059	20.483	ug/l	87
65) o-Xylene	9.77	106	284880	10.266	ug/l	86
66) Styrene	9.79	104	474646	10.261	ug/l	93
67) Bromoform	9.95	173	99418	10.543	ug/l	98
69) Isopropylbenzene	10.16	105	755370	10.189	ug/l	95
70) 1,1,2,2-Tetrachloroethane	10.46	83	135529	9.915	ug/l	96
71) 1,2,3-Trichloropropane	10.49	75	98287m	10.471	ug/l	
72) Bromobenzene	10.45	156	195551	10.882	ug/l	83
73) n-propylbenzene	10.58	120	218427	10.578	ug/l	76
74) 2-Chlorotoluene	10.66	126	185610	10.556	ug/l	78
75) 1,3,5-Trimethylbenzene	10.77	105	647357	10.128	ug/l	95
76) 4-Chlorotoluene	10.77	126	193053	10.579	ug/l	75
77) tert-Butylbenzene	11.10	119	649735	10.284	ug/l	91
78) 1,2,4-Trimethylbenzene	11.14	105	656224	10.141	ug/l	94
79) sec-Butylbenzene	11.32	105	844840	10.220	ug/l	95
80) Nitrobenzene	12.86	77	30349	49.834	ug/l #	91
81) p-Isopropyltoluene	11.47	119	735082	10.490	ug/l	93
82) 1,3-Dichlorobenzene	11.41	146	381010	10.807	ug/l	96
83) 1,4-Dichlorobenzene	11.50	146	377804	10.760	ug/l	97
84) n-Butylbenzene	11.89	91	659743	10.260	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	356041	10.681	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.65	75	24346	9.544	ug/l #	63
87) 1,2,4-Trichlorobenzene	13.50	180	267766	11.436	ug/l	99
88) Hexachlorobutadiene	13.69	225	161502	11.910	ug/l	99
89) Naphthalene	13.74	128	437832	11.026	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	239974	11.214	ug/l	97

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

