

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041519\
 Data File : VU031203.D
 Acq On : 15 Apr 2019 23:40
 Operator : JC/SP
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU041519

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 3:23:38 PM

Quant Time: Apr 16 05:08:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U041519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Apr 16 04:55:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	5.74	96	36294	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	13606	1.03	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	12900	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	96158	6.126	ug/l	100
3) Chloromethane	1.33	50	130744	7.894	ug/l	99
4) Vinyl Chloride	1.40	62	136628	8.444	ug/l	99
5) Bromomethane	1.63	94	85904	9.062	ug/l	99
6) Chloroethane	1.70	64	99141	8.873	ug/l	98
7) Trichlorofluoromethane	1.89	101	209014	8.858	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	119914	10.209	ug/l	99
9) 1,1-Dichloroethene	2.29	96	125324	10.681	ug/l	97
10) Iodomethane	2.41	142	170952	10.788	ug/l	100
11) Allyl Chloride	2.59	41	244131	10.600	ug/l	96
12) Acrylonitrile	2.94	53	190774	55.575	ug/l	96
13) Acetone	2.33	43	141165	50.173	ug/l	99
14) Carbon Disulfide	2.48	76	421304	9.721	ug/l	99
15) Methylene Chloride	2.70	84	138718	9.170	ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	136707	10.556	ug/l	97
17) 1,1-Dichloroethane	3.44	63	199590	9.731	ug/l	98
18) 2-Butanone	4.28	43	174539	54.711	ug/l	100
19) Cyclohexane	4.99	56	163748	11.347	ug/l	99
20) Methylcyclohexane	6.41	83	168245	11.497	ug/l	99
21) 2,2-Dichloropropane	4.22	77	160443	10.092	ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	121398	10.751	ug/l	99
23) Diethyl Ether	2.10	59	106820	9.760	ug/l	98
24) tert-Butyl Alcohol	2.87	59	58761	50.409	ug/l #	88
25) Methyl tert-Butyl Ether	3.00	73	357085	10.437	ug/l	100
26) Bromochloromethane	4.54	128	54283	10.546	ug/l	99
27) Chloroform	4.67	83	209602	10.328	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	182131	10.558	ug/l	99
29) 1,1-Dichloropropene	5.13	75	159709	11.041	ug/l	99
30) Carbon Tetrachloride	5.13	117	160393	10.524	ug/l	99
31) Isopropyl Ether	3.57	45	335829	11.166	ug/l #	1
34) Propionitrile	4.34	54	106037	120.291	ug/l #	94
35) Benzene	5.38	78	466971	10.846	ug/l	99
36) 1,2-Dichloroethane	5.40	62	143869	10.501	ug/l	99
37) Trichloroethene	6.18	130	119802	9.923	ug/l	99
38) 1,2-Dichloropropane	6.43	63	123514	10.773	ug/l	99
39) Methacrylonitrile	4.55	41	44798	11.283	ug/l	97
40) Methyl acrylate	4.42	55	74193	11.887	ug/l #	98
41) Tetrahydrofuran	4.65	42	120908	59.632	ug/l	98
42) 1-Chlorobutane	5.06	56	230524	11.188	ug/l	100
43) Dibromomethane	6.56	93	64680	10.486	ug/l	99
44) Bromodichloromethane	6.75	83	160441	10.794	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.46	43	425061	58.417	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	28175m	10.158	ug/l	
47) Methyl methacrylate	6.62	69	60808	11.681	ug/l	99
48) Ethyl methacrylate	8.02	69	118689	10.474	ug/l	96
49) Toluene	7.63	92	278898	11.803	ug/l	100
50) t-1,3-Dichloropropene	7.87	75	150505	11.874	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	173579	11.583	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	91617	11.007	ug/l	99
53) 1,3-Dichloropropane	8.24	76	153471	10.862	ug/l	96
54) 2-Hexanone	8.36	43	296103	60.297	ug/l	98
55) Dibromochloromethane	8.47	129	105859	10.730	ug/l	99
56) 1,2-Dibromoethane	8.58	107	84199	10.885	ug/l	99
58) Tetrachloroethene	8.22	164	111310	10.844	ug/l	98
59) Chlorobenzene	9.12	112	288567	10.996	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.20	131	105611	10.737	ug/l	98
61) Pentachloroethane	11.10	117	81044	10.589	ug/l	94
62) Hexachloroethane	12.14	117	77766	10.512	ug/l	98
63) Ethyl Benzene	9.24	91	517931	12.370	ug/l	100
64) m/p-Xylenes	9.37	106	392010	24.589	ug/l	97
65) o-Xylene	9.77	106	184866	12.115	ug/l	97
66) Styrene	9.79	104	333706	10.831	ug/l	98
67) Bromoform	9.95	173	62458	10.972	ug/l	98
69) Isopropylbenzene	10.16	105	512959	12.541	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	111471	10.326	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	89941m	11.523	ug/l	
72) Bromobenzene	10.45	156	125021	11.551	ug/l	98
73) n-propylbenzene	10.59	120	135506	12.405	ug/l	97
74) 2-Chlorotoluene	10.66	126	119610	11.874	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	442576	12.783	ug/l	99
76) 4-Chlorotoluene	10.77	126	125750	12.391	ug/l	99
77) tert-Butylbenzene	11.10	119	399185	11.784	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	442405	12.676	ug/l	99
79) sec-Butylbenzene	11.32	105	513724	11.272	ug/l	100
80) Nitrobenzene	12.87	77	3438	12.195	ug/l #	75
81) p-Isopropyltoluene	11.47	119	459324	12.548	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	232056	10.855	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	237479	11.470	ug/l	99
84) n-Butylbenzene	11.89	91	444654	12.570	ug/l	99
85) 1,2-Dichlorobenzene	11.87	146	219134	10.932	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	18264	11.755	ug/l	92
87) 1,2,4-Trichlorobenzene	13.50	180	159536	13.021	ug/l	99
88) Hexachlorobutadiene	13.69	225	88792	10.849	ug/l	99
89) Naphthalene	13.74	128	307141	11.185	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	151934	12.386	ug/l	100

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

