

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072319\
 Data File : VU033384.D
 Acq On : 23 Jul 2019 16:25
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 11:16:11 AM

Quant Time: Jul 24 04:50:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 23 03:43:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	31731	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	13325	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	13884	1.08	ug/l	0.00
Spiked Amount 1.000			Recovery	=	108.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	128890	9.821	ug/l	100
3) Chloromethane	1.33	50	132040	9.116	ug/l	99
4) Vinyl Chloride	1.40	62	151242	9.358	ug/l	99
5) Bromomethane	1.62	94	100497	9.877	ug/l	98
6) Chloroethane	1.69	64	95528	8.416	ug/l	99
7) Trichlorofluoromethane	1.87	101	212179	9.561	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	111521	9.741	ug/l	99
9) 1,1-Dichloroethene	2.27	96	109269	9.691	ug/l	97
10) Iodomethane	2.40	142	119285	7.872	ug/l	100
11) Allyl Chloride	2.58	41	176362	9.478	ug/l	99
12) Acrylonitrile	2.92	53	52738	16.756	ug/l	99
13) Acetone	2.31	43	120765	44.973	ug/l	100
14) Carbon Disulfide	2.46	76	402026	9.384	ug/l	99
15) Methylene Chloride	2.68	84	131363	8.639	ug/l	98
16) trans-1,2-Dichloroethene	2.96	96	122929	9.181	ug/l	96
17) 1,1-Dichloroethane	3.42	63	175631	9.774	ug/l	99
18) 2-Butanone	4.25	43	124039	48.395	ug/l	100
19) Cyclohexane	4.97	56	138705m	10.518	ug/l	
20) Methylcyclohexane	6.39	83	145147	10.932	ug/l	99
21) 2,2-Dichloropropane	4.20	77	154520	10.148	ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	102824	10.133	ug/l	99
23) Diethyl Ether	2.09	59	87592	9.012	ug/l	97
24) tert-Butyl Alcohol	2.82	59	97672	81.141	ug/l	99
25) Methyl tert-Butyl Ether	2.98	73	295430	9.100	ug/l	99
26) Bromochloromethane	4.52	128	43602	9.772	ug/l	98
27) Chloroform	4.65	83	185160	9.016	ug/l	99
28) 1,1,1-Trichloroethane	4.89	97	157676	9.916	ug/l	100
29) 1,1-Dichloropropene	5.11	75	135663	10.344	ug/l	99
30) Carbon Tetrachloride	5.11	117	138067	9.866	ug/l	97
31) Isopropyl Ether	3.56	45	226552	9.975	ug/l	99
32) Ethyl-t-butyl ether	4.05	59	219155	10.037	ug/l	100
33) Tert-Amyl methyl ether	5.56	73	205018	10.441	ug/l	99
34) Propionitrile	4.31	54	34291	46.639	ug/l #	97
35) Benzene	5.36	78	390462	10.305	ug/l	99
36) 1,2-Dichloroethane	5.38	62	123224	9.772	ug/l	100
37) Trichloroethene	6.16	130	101610	10.160	ug/l	99
38) 1,2-Dichloropropane	6.41	63	104928	10.037	ug/l	98
39) Methacrylonitrile	4.52	41	27182	9.314	ug/l	98
40) Methyl acrylate	4.40	55	44011	9.693	ug/l #	97
41) Tetrahydrofuran	4.63	42	27294	18.650	ug/l	97
42) 1-Chlorobutane	5.04	56	182332	10.369	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	55045	9.510	ug/l	97
44) Bromodichloromethane	6.74	83	135519	9.711	ug/l	96
45) 4-Methyl-2-Pentanone	7.45	43	292983	49.633	ug/l	99
46) t-1,4-Dichloro-2-butene	10.50	75	51466m	21.603	ug/l	
47) Methyl methacrylate	6.61	69	89844	20.366	ug/l	97
48) Ethyl methacrylate	8.00	69	80165	10.310	ug/l	100
49) Toluene	7.62	92	244632	11.270	ug/l	100
50) t-1,3-Dichloropropene	7.86	75	122536	10.527	ug/l	99
51) cis-1,3-Dichloropropene	7.25	75	140274	10.207	ug/l	99
52) 1,1,2-Trichloroethane	8.05	97	74166	9.588	ug/l	95
53) 1,3-Dichloropropane	8.22	76	128507	9.831	ug/l	98
54) 2-Hexanone	8.35	43	209200	50.345	ug/l	98
55) Dibromochloromethane	8.46	129	92022	10.184	ug/l	100
56) 1,2-Dibromoethane	8.57	107	69719	9.670	ug/l	99
58) Tetrachloroethene	8.21	164	94074	10.373	ug/l	98
59) Chlorobenzene	9.10	112	267619	10.754	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.19	131	97096	10.274	ug/l	98
61) Pentachloroethane	11.09	117	79015	10.188	ug/l	99
62) Hexachloroethane	12.13	117	79216	10.556	ug/l	98
63) Ethyl Benzene	9.23	91	465111	11.639	ug/l	98
64) m/p-Xylenes	9.36	106	381093	23.853	ug/l	99
65) o-Xylene	9.76	106	175243	11.446	ug/l	98
66) Styrene	9.77	104	313410	12.068	ug/l	99
67) Bromoform	9.94	173	51251	10.480	ug/l	98
69) Isopropylbenzene	10.15	105	459500	11.705	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.44	83	98667	9.624	ug/l	99
71) 1,2,3-Trichloropropane	10.48	75	70457m	8.902	ug/l	
72) Bromobenzene	10.44	156	113355	10.931	ug/l	99
73) n-propylbenzene	10.57	120	137604	12.297	ug/l	95
74) 2-Chlorotoluene	10.64	126	119743	11.722	ug/l	99
75) 1,3,5-Trimethylbenzene	10.76	105	430091	12.203	ug/l	100
76) 4-Chlorotoluene	10.76	126	123554	11.608	ug/l	99
77) tert-Butylbenzene	11.09	119	388949	11.644	ug/l	99
78) 1,2,4-Trimethylbenzene	11.13	105	441917	12.266	ug/l	100
79) sec-Butylbenzene	11.31	105	544397	11.841	ug/l	100
80) Nitrobenzene	12.85	77	14907m	34.983	ug/l	
81) p-Isopropyltoluene	11.46	119	458936	12.278	ug/l	100
82) 1,3-Dichlorobenzene	11.40	146	236042	10.709	ug/l	100
83) 1,4-Dichlorobenzene	11.49	146	239403	10.979	ug/l	99
84) n-Butylbenzene	11.87	91	455914	11.919	ug/l	99
85) 1,2-Dichlorobenzene	11.86	146	220412	10.665	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.64	75	15969	9.903	ug/l	95
87) 1,2,4-Trichlorobenzene	13.49	180	136366	11.090	ug/l	99
88) Hexachlorobutadiene	13.68	225	81885	10.797	ug/l	99
89) Naphthalene	13.73	128	246598	8.909	ug/l	99
90) 1,2,3-Trichlorobenzene	13.97	180	136633	11.449	ug/l	97

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

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