

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU030819\
 Data File : VU029844.D
 Acq On : 07 Mar 2019 09:47
 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
 3/8/2019 11:47:15 AM

Quant Time: Mar 08 02:15:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	77972	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	30886	1.10	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	31354	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	225546	8.645	ug/l	99
3) Chloromethane	1.33	50	196640	8.464	ug/l	99
4) Vinyl Chloride	1.40	62	230682	8.826	ug/l	100
5) Bromomethane	1.62	94	128298	7.188	ug/l	99
6) Chloroethane	1.69	64	138345	8.828	ug/l	97
7) Trichlorofluoromethane	1.88	101	317416	8.912	ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	181545	8.762	ug/l	98
9) 1,1-Dichloroethene	2.28	96	178491	8.801	ug/l	99
10) Iodomethane	2.41	142	199197	8.859	ug/l	100
11) Allyl Chloride	2.59	41	247904	8.695	ug/l	99
12) Acrylonitrile	2.93	53	75431	17.057	ug/l	99
13) Acetone	2.32	43	169158	46.185	ug/l	100
14) Carbon Disulfide	2.47	76	566471	8.625	ug/l	99
15) Methylene Chloride	2.69	84	201035	8.261	ug/l	97
16) trans-1,2-Dichloroethene	2.97	96	198627	8.670	ug/l	99
17) 1,1-Dichloroethane	3.44	63	348679	9.096	ug/l	99
18) 2-Butanone	4.27	43	237073	47.629	ug/l	99
19) Cyclohexane	4.98	56	276439m	9.288	ug/l	
20) Methylcyclohexane	6.41	83	332119	9.581	ug/l	100
21) 2,2-Dichloropropane	4.22	77	284238	9.072	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	220911	9.098	ug/l	99
23) Diethyl Ether	2.10	59	134143	8.822	ug/l	99
24) tert-Butyl Alcohol	2.83	59	139286	88.803	ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	454368	8.896	ug/l	100
26) Bromochloromethane	4.54	128	96927	8.992	ug/l	99
27) Chloroform	4.67	83	350165	9.021	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	299187	9.091	ug/l	98
29) 1,1-Dichloropropene	5.13	75	263366	9.005	ug/l	98
30) Carbon Tetrachloride	5.13	117	268841	9.363	ug/l	97
31) Isopropyl Ether	3.57	45	479385	9.067	ug/l	99
32) Ethyl-t-butyl ether	4.07	59	474529	9.234	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	448434	9.436	ug/l	99
34) Propionitrile	4.33	54	67185	45.376	ug/l	97
35) Benzene	5.38	78	785972	9.123	ug/l	100
36) 1,2-Dichloroethane	5.40	62	209358	8.897	ug/l	99
37) Trichloroethene	6.18	130	222537	8.847	ug/l	99
38) 1,2-Dichloropropane	6.43	63	199214	9.135	ug/l	99
39) Methacrylonitrile	4.55	41	58450	9.385	ug/l	97
40) Methyl acrylate	4.42	55	93332	9.481	ug/l	99
41) Tetrahydrofuran	4.65	42	57717	17.718	ug/l	99
42) 1-Chlorobutane	5.06	56	350516	9.381	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU030819\
 Data File : VU029844.D
 Acq On : 07 Mar 2019 09:47
 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
 3/8/2019 11:47:15 AM

Quant Time: Mar 08 02:15:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	103014	9.114	ug/l	99
44) Bromodichloromethane	6.75	83	254190	9.157	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	557785	47.317	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	100620m	20.416	ug/l	
47) Methyl methacrylate	6.62	69	188063	19.389	ug/l	99
48) Ethyl methacrylate	8.02	69	187538	10.091	ug/l	98
49) Toluene	7.63	92	494461	9.345	ug/l	97
50) t-1,3-Dichloropropene	7.88	75	233153	9.584	ug/l	99
51) cis-1,3-Dichloropropene	7.26	75	289143	9.601	ug/l	100
52) 1,1,2-Trichloroethane	8.06	97	150059	8.969	ug/l	98
53) 1,3-Dichloropropane	8.24	76	247584	9.022	ug/l	98
54) 2-Hexanone	8.36	43	399447	48.790	ug/l	100
55) Dibromochloromethane	8.47	129	188889	9.513	ug/l	100
56) 1,2-Dibromoethane	8.58	107	144203	9.090	ug/l	100
58) Tetrachloroethene	8.22	164	228788	8.904	ug/l	98
59) Chlorobenzene	9.12	112	565222	9.295	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	200357	9.185	ug/l	99
61) Pentachloroethane	11.10	117	140855	9.275	ug/l	98
62) Hexachloroethane	12.14	117	160653	10.056	ug/l	97
63) Ethyl Benzene	9.24	91	960749	9.645	ug/l	99
64) m/p-Xylenes	9.37	106	771525	19.593	ug/l	99
65) o-Xylene	9.77	106	368788	9.751	ug/l	98
66) Styrene	9.79	104	630673	10.038	ug/l	99
67) Bromoform	9.95	173	114531	9.820	ug/l	99
69) Isopropylbenzene	10.16	105	978381	9.756	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	187766	9.202	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	133337m	8.793	ug/l	
72) Bromobenzene	10.45	156	249266	9.390	ug/l	99
73) n-propylbenzene	10.58	120	283347	10.050	ug/l	99
74) 2-Chlorotoluene	10.66	126	243796	9.748	ug/l	95
75) 1,3,5-Trimethylbenzene	10.77	105	836939	9.906	ug/l	100
76) 4-Chlorotoluene	10.77	126	249207	9.772	ug/l	100
77) tert-Butylbenzene	11.10	119	811120	9.703	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	859385	10.066	ug/l	100
79) sec-Butylbenzene	11.32	105	1110598	10.025	ug/l	100
80) Nitrobenzene	12.86	77	22429	60.552	ug/l	99
81) p-Isopropyltoluene	11.47	119	945306	10.193	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	491679	9.352	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	491223	9.562	ug/l	99
84) n-Butylbenzene	11.89	91	863400	10.217	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	461943	9.318	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	28276	9.706	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	322446	10.157	ug/l	99
88) Hexachlorobutadiene	13.69	225	190174	9.510	ug/l	99
89) Naphthalene	13.74	128	536737	8.791	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	291329	9.768	ug/l	98

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

