

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU043018\
 Data File : VU023527.D
 Acq On : 30 Apr 2018 14:58
 Operator : MD/SY
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC0.5

Manual Integrations
 APPROVED

apatel
 5/3/2018 4:38:59 PM

Quant Time: May 02 17:05:02 2018
 Quant Method : W:\HPCHEM1\MSVOA U\METHOD\524U043018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 01 04:31:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	52305	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	15935	0.85	ug/l	0.00
Spiked Amount 1.000			Recovery	=	85.00%	
68) 1,2-Dichlorobenzene-d4	11.87	152	15246	0.83	ug/l	0.00
Spiked Amount 1.000			Recovery	=	83.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	8154	0.49	ug/l	100
3) Chloromethane	1.33	50	10789	0.52	ug/l	97
4) Vinyl Chloride	1.40	62	9235	0.49	ug/l #	74
5) Bromomethane	1.63	94	5070	0.41	ug/l	98
6) Chloroethane	1.70	64	4880	0.45	ug/l #	85
7) Trichlorofluoromethane	1.89	101	10110	0.47	ug/l	91
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	6366	0.50	ug/l	97
9) 1,1-Dichloroethene	2.29	96	6006	0.47	ug/l	94
10) Iodomethane	2.41	142	5995	0.42	ug/l	92
11) Allyl Chloride	2.60	41	10926	0.53	ug/l	95
12) Acrylonitrile	2.96	53	2150	0.74	ug/l	89
13) Acetone	2.35	43	6313	2.72	ug/l	90
14) Carbon Disulfide	2.48	76	20151	0.50	ug/l	98
15) Methylene Chloride	2.70	84	8642	0.56	ug/l	94
16) trans-1,2-Dichloroethene	2.98	96	6582	0.47	ug/l	88
17) 1,1-Dichloroethane	3.45	63	12751	0.49	ug/l	99
18) 2-Butanone	4.31	43	8580	2.42	ug/l	91
19) Cyclohexane	4.99	56	10480	0.56	ug/l	97
20) Methylcyclohexane	6.41	83	10566	0.49	ug/l	97
21) 2,2-Dichloropropane	4.23	77	10035	0.53	ug/l	100
22) cis-1,2-Dichloroethene	4.23	96	6825	0.44	ug/l	96
23) Diethyl Ether	2.11	59	4752	0.45	ug/l	97
25) Methyl tert-Butyl Ether	3.00	73	14603	0.45	ug/l	92
26) Bromochloromethane	4.56	128	2772	0.41	ug/l	97
27) Chloroform	4.68	83	12106	0.47	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	9598	0.48	ug/l	99
29) 1,1-Dichloropropene	5.14	75	9466	0.48	ug/l	96
30) Carbon Tetrachloride	5.13	117	7913	0.47	ug/l	96
31) Isopropyl Ether	3.58	45	21712	0.55	ug/l	95
32) Ethyl-t-butyl ether	4.08	59	18076	0.51	ug/l	98
33) Tert-Amyl methyl ether	5.59	73	15250	0.49	ug/l	99
34) Propionitrile	4.38	54	2443m	2.28	ug/l	
35) Benzene	5.39	78	27320	0.46	ug/l	96
36) 1,2-Dichloroethane	5.41	62	8299	0.53	ug/l #	93
37) Trichloroethene	6.19	130	7976	0.50	ug/l	92
38) 1,2-Dichloropropane	6.44	63	7419	0.49	ug/l	96
39) Methacrylonitrile	4.56	41	2720	0.61	ug/l #	91
40) Methyl acrylate	4.44	55	3620	0.54	ug/l #	82
41) Tetrahydrofuran	4.67	42	2953	1.19	ug/l	92
42) 1-Chlorobutane	5.07	56	13918	0.53	ug/l	96
43) Dibromomethane	6.57	93	3251	0.45	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Bromodichloromethane	6.76	83	8109	0.49	ug/l	95
45) 4-Methyl-2-Pentanone	7.48	43	17707	2.15	ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	1874m	0.73	ug/l	
47) Methyl methacrylate	6.64	69	5564	0.82	ug/l	93
48) Ethyl methacrylate	8.03	69	4511	0.37	ug/l	99
49) Toluene	7.64	92	15065	0.43	ug/l	97
50) t-1,3-Dichloropropene	7.89	75	6278	0.44	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	8464	0.46	ug/l	95
52) 1,1,2-Trichloroethane	8.08	97	4823	0.46	ug/l	96
53) 1,3-Dichloropropane	8.25	76	7758	0.43	ug/l	97
54) 2-Hexanone	8.38	43	11666	2.08	ug/l	93
55) Dibromochloromethane	8.48	129	4787	0.45	ug/l	98
56) 1,2-Dibromoethane	8.59	107	3996	0.44	ug/l	92
58) Tetrachloroethene	8.23	164	6702	0.48	ug/l	98
59) Chlorobenzene	9.13	112	16374	0.43	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.21	131	5949	0.46	ug/l	94
61) Pentachloroethane	11.10	117	4174	0.45	ug/l	91
62) Hexachloroethane	12.15	117	4129	0.49	ug/l	94
63) Ethyl Benzene	9.26	91	25295	0.40	ug/l	99
64) m/p-Xylenes	9.38	106	18977	0.78	ug/l	99
65) o-Xylene	9.79	106	9036	0.38	ug/l	96
66) Styrene	9.80	104	14301	0.36	ug/l	99
67) Bromoform	9.96	173	2480	0.43	ug/l #	95
69) Isopropylbenzene	10.17	105	23784	0.40	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	4987	0.40	ug/l	98
71) 1,2,3-Trichloropropane	10.50	75	3313	0.36	ug/l #	98
72) Bromobenzene	10.46	156	6281	0.39	ug/l	89
73) n-propylbenzene	10.59	120	6299	0.38	ug/l	93
74) 2-Chlorotoluene	10.66	126	5994	0.39	ug/l	96
75) 1,3,5-Trimethylbenzene	10.78	105	18478	0.36	ug/l	100
76) 4-Chlorotoluene	10.78	126	6126	0.39	ug/l	99
77) tert-Butylbenzene	11.10	119	19173	0.39	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	19035	0.36	ug/l	97
79) sec-Butylbenzene	11.33	105	25358	0.39	ug/l	98
80) Nitrobenzene	12.88	77	547	1.94	ug/l #	81
81) p-Isopropyltoluene	11.48	119	20145	0.37	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	13035	0.42	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	12661	0.40	ug/l	98
84) n-Butylbenzene	11.90	91	19630	0.38	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	11642	0.40	ug/l	95
86) 1,2-Dibromo-3-Chloropropan	12.66	75	761	0.45	ug/l	87
87) 1,2,4-Trichlorobenzene	13.51	180	8336	0.41	ug/l	96
88) Hexachlorobutadiene	13.70	225	5108	0.45	ug/l	97
89) Naphthalene	13.75	128	10310	0.32	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	7856	0.40	ug/l	94

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

