

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU043018\
 Data File : VU023532.D
 Acq On : 30 Apr 2018 17:17
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 5/3/2018 4:49:08 PM

Quant Time: May 01 05:00:37 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	53373	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	17538	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	17415	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	340924	20.19	ug/l	99
3) Chloromethane	1.33	50	368997	17.28	ug/l	100
4) Vinyl Chloride	1.40	62	379059	19.55	ug/l	98
5) Bromomethane	1.64	94	199820	15.78	ug/l	100
6) Chloroethane	1.70	64	201414	18.10	ug/l	99
7) Trichlorofluoromethane	1.89	101	430919	19.63	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	267629	20.47	ug/l	99
9) 1,1-Dichloroethene	2.29	96	249475	19.05	ug/l	99
10) Iodomethane	2.42	142	327490	22.31	ug/l	99
11) Allyl Chloride	2.60	41	460789	22.03	ug/l	99
12) Acrylonitrile	2.95	53	98407	33.11	ug/l	93
13) Acetone	2.34	43	193484	81.80	ug/l	97
14) Carbon Disulfide	2.48	76	826240	20.07	ug/l	100
15) Methylene Chloride	2.71	84	259678	16.37	ug/l	99
16) trans-1,2-Dichloroethene	2.99	96	266285	18.78	ug/l	99
17) 1,1-Dichloroethane	3.45	63	527189	19.91	ug/l	99
18) 2-Butanone	4.30	43	355378	98.26	ug/l	100
19) Cyclohexane	4.99	56	464352	24.31	ug/l	100
20) Methylcyclohexane	6.41	83	525316	23.76	ug/l	99
21) 2,2-Dichloropropane	4.23	77	417808	21.56	ug/l	100
22) cis-1,2-Dichloroethene	4.23	96	290703	18.44	ug/l	100
23) Diethyl Ether	2.11	59	207425	19.40	ug/l	100
24) tert-Butyl Alcohol	2.87	59	162146	155.67	ug/l #	83
25) Methyl tert-Butyl Ether	3.01	73	636715	19.19	ug/l	99
26) Bromochloromethane	4.55	128	112098	16.21	ug/l	98
27) Chloroform	4.68	83	493611	18.70	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	416105	20.50	ug/l	100
29) 1,1-Dichloropropene	5.13	75	406812	20.33	ug/l	100
30) Carbon Tetrachloride	5.13	117	360481	21.19	ug/l	99
31) Isopropyl Ether	3.58	45	904201	22.38	ug/l	100
32) Ethyl-t-butyl ether	4.09	59	781323	21.43	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	684457	21.68	ug/l	99
34) Propionitrile	4.36	54	100960	92.26	ug/l #	95
35) Benzene	5.39	78	1245421	20.57	ug/l	100
36) 1,2-Dichloroethane	5.41	62	340491	21.21	ug/l	100
37) Trichloroethene	6.19	130	323206	20.03	ug/l	98
38) 1,2-Dichloropropane	6.44	63	333606	21.66	ug/l	97
39) Methacrylonitrile	4.56	41	98957	21.81	ug/l	97
40) Methyl acrylate	4.44	55	150830	21.97	ug/l	99
41) Tetrahydrofuran	4.67	42	97600	38.54	ug/l	99
42) 1-Chlorobutane	5.07	56	590620	21.95	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	143197	19.64	ug/l	99
44) Bromodichloromethane	6.76	83	371777	21.80	ug/l	99
45) 4-Methyl-2-Pentanone	7.48	43	921413	109.72	ug/l	98
46) t-1,4-Dichloro-2-butene	10.52	75	125463m	47.91	ug/l	
47) Methyl methacrylate	6.64	69	285899	41.32	ug/l	98
48) Ethyl methacrylate	8.03	69	265761	21.58	ug/l	99
49) Toluene	7.64	92	741836	20.95	ug/l	99
50) t-1,3-Dichloropropene	7.89	75	347885	23.72	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	440885	23.34	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	204107	19.22	ug/l	99
53) 1,3-Dichloropropane	8.25	76	372195	20.37	ug/l	100
54) 2-Hexanone	8.37	43	639185	111.60	ug/l	98
55) Dibromochloromethane	8.48	129	239065	21.88	ug/l	100
56) 1,2-Dibromoethane	8.59	107	181863	19.46	ug/l	99
58) Tetrachloroethene	8.23	164	304459	21.20	ug/l	98
59) Chlorobenzene	9.12	112	772790	19.89	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	261972	20.00	ug/l	99
61) Pentachloroethane	11.10	117	175427	18.50	ug/l	99
62) Hexachloroethane	12.15	117	177547	20.81	ug/l	100
63) Ethyl Benzene	9.25	91	1372703	21.42	ug/l	100
64) m/p-Xylenes	9.38	106	1045904	42.19	ug/l	99
65) o-Xylene	9.78	106	503108	20.58	ug/l	100
66) Styrene	9.80	104	845305	20.94	ug/l	100
67) Bromoform	9.96	173	125322	21.07	ug/l	99
69) Isopropylbenzene	10.17	105	1288516	21.12	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	232280	18.25	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	147000	15.65	ug/l #	96
72) Bromobenzene	10.46	156	305163	18.60	ug/l	97
73) n-propylbenzene	10.59	120	361698	21.11	ug/l	98
74) 2-Chlorotoluene	10.66	126	301899	19.46	ug/l	99
75) 1,3,5-Trimethylbenzene	10.78	105	1087866	20.76	ug/l	100
76) 4-Chlorotoluene	10.78	126	317383	19.78	ug/l	98
77) tert-Butylbenzene	11.10	119	1004656	20.26	ug/l	100
78) 1,2,4-Trimethylbenzene	11.15	105	1104075	20.60	ug/l	99
79) sec-Butylbenzene	11.33	105	1409492	21.01	ug/l	100
80) Nitrobenzene	12.87	77	49130	170.40	ug/l	98
81) p-Isopropyltoluene	11.48	119	1185989	21.16	ug/l	100
82) 1,3-Dichlorobenzene	11.42	146	592202	18.55	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	594250	18.46	ug/l	99
84) n-Butylbenzene	11.89	91	1173472	22.06	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	542235	18.22	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	32876	19.25	ug/l	95
87) 1,2,4-Trichlorobenzene	13.51	180	428085	20.44	ug/l	99
88) Hexachlorobutadiene	13.70	225	243161	21.10	ug/l	99
89) Naphthalene	13.74	128	720986	21.79	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	393499	19.83	ug/l	99

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

