

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU043018\
 Data File : VU023530.D
 Acq On : 30 Apr 2018 16:21
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 5/3/2018 4:49:01 PM

Quant Time: May 01 04:56:43 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	52926	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	17310	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	16591	0.89	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	86032	5.14	ug/l	100
3) Chloromethane	1.33	50	94643	4.47	ug/l	100
4) Vinyl Chloride	1.40	62	95003	4.94	ug/l	100
5) Bromomethane	1.63	94	49895	3.97	ug/l	100
6) Chloroethane	1.70	64	51967	4.71	ug/l	99
7) Trichlorofluoromethane	1.89	101	111426	5.12	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	67753	5.22	ug/l	99
9) 1,1-Dichloroethene	2.29	96	62750	4.83	ug/l	99
10) Iodomethane	2.42	142	78220	5.37	ug/l	100
11) Allyl Chloride	2.60	41	114668	5.53	ug/l	99
12) Acrylonitrile	2.95	53	24773	8.41	ug/l	95
13) Acetone	2.35	43	51292	21.87	ug/l	98
14) Carbon Disulfide	2.48	76	201495	4.94	ug/l	100
15) Methylene Chloride	2.71	84	66654	4.24	ug/l	98
16) trans-1,2-Dichloroethene	2.99	96	66033	4.70	ug/l	99
17) 1,1-Dichloroethane	3.45	63	131364	5.00	ug/l	100
18) 2-Butanone	4.30	43	87296	24.34	ug/l	99
19) Cyclohexane	4.99	56	113078	5.97	ug/l	98
20) Methylcyclohexane	6.41	83	116032	5.29	ug/l	98
21) 2,2-Dichloropropane	4.23	77	104043	5.41	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	70857	4.53	ug/l	98
23) Diethyl Ether	2.11	59	51161	4.82	ug/l	99
24) tert-Butyl Alcohol	2.89	59	37294	36.11	ug/l	99
25) Methyl tert-Butyl Ether	3.01	73	155474	4.73	ug/l	99
26) Bromochloromethane	4.55	128	28372	4.14	ug/l	99
27) Chloroform	4.68	83	123612	4.72	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	101342	5.04	ug/l	100
29) 1,1-Dichloropropene	5.13	75	99529	5.02	ug/l	99
30) Carbon Tetrachloride	5.13	117	85670	5.08	ug/l	99
31) Isopropyl Ether	3.58	45	218793	5.46	ug/l	98
32) Ethyl-t-butyl ether	4.08	59	186010	5.15	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	158786	5.07	ug/l	100
34) Propionitrile	4.36	54	24575	22.65	ug/l	96
35) Benzene	5.39	78	308638	5.14	ug/l	99
36) 1,2-Dichloroethane	5.41	62	83390	5.24	ug/l	100
37) Trichloroethene	6.19	130	78286	4.89	ug/l	99
38) 1,2-Dichloropropane	6.44	63	81492	5.34	ug/l	97
39) Methacrylonitrile	4.56	41	24631	5.47	ug/l	98
40) Methyl acrylate	4.44	55	34467	5.06	ug/l #	98
41) Tetrahydrofuran	4.67	42	23877	9.51	ug/l	99
42) 1-Chlorobutane	5.07	56	143978	5.39	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	34633	4.79	ug/l	99
44) Bromodichloromethane	6.76	83	88302	5.22	ug/l	99
45) 4-Methyl-2-Pentanone	7.48	43	209522	25.16	ug/l	98
46) t-1,4-Dichloro-2-butene	10.51	75	27113m	10.44	ug/l	
47) Methyl methacrylate	6.64	69	63481	9.25	ug/l	99
48) Ethyl methacrylate	8.03	69	55302	4.53	ug/l	100
49) Toluene	7.64	92	175360	4.99	ug/l	98
50) t-1,3-Dichloropropene	7.89	75	75786	5.21	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	99118	5.29	ug/l	100
52) 1,1,2-Trichloroethane	8.07	97	49410	4.69	ug/l	98
53) 1,3-Dichloropropane	8.25	76	88548	4.89	ug/l	100
54) 2-Hexanone	8.38	43	144439	25.43	ug/l	99
55) Dibromochloromethane	8.48	129	53111	4.90	ug/l	97
56) 1,2-Dibromoethane	8.59	107	42275	4.56	ug/l	98
58) Tetrachloroethene	8.23	164	74527	5.23	ug/l	98
59) Chlorobenzene	9.12	112	185063	4.80	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	61252	4.72	ug/l	99
61) Pentachloroethane	11.10	117	44041	4.68	ug/l	94
62) Hexachloroethane	12.15	117	42889	5.07	ug/l	96
63) Ethyl Benzene	9.25	91	311157	4.90	ug/l	100
64) m/p-Xylenes	9.38	106	246249	10.02	ug/l	98
65) o-Xylene	9.78	106	117574	4.85	ug/l	99
66) Styrene	9.80	104	198271	4.95	ug/l	99
67) Bromoform	9.96	173	28866	4.89	ug/l	100
69) Isopropylbenzene	10.17	105	302023	4.99	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	55774	4.42	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	41785m	4.49	ug/l	
72) Bromobenzene	10.45	156	73332	4.51	ug/l	97
73) n-propylbenzene	10.59	120	85021	5.00	ug/l	99
74) 2-Chlorotoluene	10.66	126	74418	4.84	ug/l	98
75) 1,3,5-Trimethylbenzene	10.78	105	265657	5.11	ug/l	100
76) 4-Chlorotoluene	10.78	126	77238	4.85	ug/l	99
77) tert-Butylbenzene	11.10	119	238692	4.85	ug/l	100
78) 1,2,4-Trimethylbenzene	11.15	105	266281	5.01	ug/l	99
79) sec-Butylbenzene	11.33	105	342599	5.15	ug/l	99
80) Nitrobenzene	12.87	77	10229	35.78	ug/l	99
81) p-Isopropyltoluene	11.48	119	282610	5.08	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	147400	4.66	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	147897	4.63	ug/l	98
84) n-Butylbenzene	11.89	91	274691	5.21	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	134014	4.54	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	7904	4.67	ug/l	98
87) 1,2,4-Trichlorobenzene	13.51	180	94919	4.57	ug/l	100
88) Hexachlorobutadiene	13.70	225	57869	5.06	ug/l	99
89) Naphthalene	13.75	128	146729	4.47	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	90062	4.58	ug/l	99

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

