

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080318\
 Data File : VU025814.D
 Acq On : 03 Aug 2018 12:50
 Operator : MD/SY
 Sample : VU0803WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VU0803WBS01

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Aug 04 05:39:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 27 15:10:58 2018
 Response via : Initial Calibration

8/6/2018 5:38:52 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	32537	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	12212	1.01	ug/l	0.00
Spiked Amount	1.000		Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	12396	0.93	ug/l	0.00
Spiked Amount	1.000		Recovery	=	93.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	23146	1.99	ug/l	97
3) Chloromethane	1.33	50	21442	1.95	ug/l	100
4) Vinyl Chloride	1.40	62	20552	2.02	ug/l	100
5) Bromomethane	1.63	94	10945	2.21	ug/l	99
6) Chloroethane	1.70	64	12302	2.02	ug/l	99
7) Trichlorofluoromethane	1.89	101	31853	2.15	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	17251	2.12	ug/l	97
9) 1,1-Dichloroethene	2.29	96	14732	2.05	ug/l	97
10) Iodomethane	2.41	142	8063	1.89	ug/l	96
11) Allyl Chloride	2.59	41	25067	2.09	ug/l	84
12) Acrylonitrile	2.94	53	6324	4.00	ug/l	98
13) Acetone	2.33	43	14060	10.22	ug/l	98
14) Carbon Disulfide	2.48	76	50058	2.04	ug/l	99
15) Methylene Chloride	2.70	84	18502	2.16	ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	16951	2.11	ug/l	95
17) 1,1-Dichloroethane	3.45	63	30419	1.91	ug/l	97
18) 2-Butanone	4.29	43	23683	9.92	ug/l	99
19) Cyclohexane	5.00	56	23617	1.92	ug/l	87
20) Methylcyclohexane	6.42	83	28214	1.87	ug/l	94
21) 2,2-Dichloropropane	4.23	77	33141	2.18	ug/l	98
22) cis-1,2-Dichloroethene	4.23	96	20805	2.05	ug/l	95
23) Diethyl Ether	2.10	59	11272	2.07	ug/l	97
24) tert-Butyl Alcohol	2.86	59	14846	23.26	ug/l #	83
25) Methyl tert-Butyl Ether	3.01	73	38419	1.98	ug/l #	88
26) Bromochloromethane	4.55	128	8864	1.99	ug/l	85
27) Chloroform	4.68	83	36857	2.10	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	32790	2.07	ug/l	98
29) 1,1-Dichloropropene	5.13	75	25870	2.00	ug/l	96
30) Carbon Tetrachloride	5.13	117	28657	2.00	ug/l	99
31) Isopropyl Ether	3.58	45	52985	2.07	ug/l	92
32) Ethyl-t-butyl ether	4.08	59	48438	1.99	ug/l	92
33) Tert-Amyl methyl ether	5.59	73	41357	1.93	ug/l	99
34) Propionitrile	4.35	54	6846	10.32	ug/l #	94
35) Benzene	5.39	78	75713	2.09	ug/l	98
36) 1,2-Dichloroethane	5.41	62	22936	2.06	ug/l	98
37) Trichloroethene	6.19	130	21768	2.04	ug/l	100
38) 1,2-Dichloropropane	6.44	63	19057	2.03	ug/l	100
39) Methacrylonitrile	4.56	41	5993	1.96	ug/l	94
40) Methyl acrylate	4.43	55	9389	2.04	ug/l #	97
41) Tetrahydrofuran	4.65	42	6230	3.45	ug/l	90
42) 1-Chlorobutane	5.07	56	35359	2.00	ug/l	98

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43) Dibromomethane	6.56	93	9689	1.97	ug/l	96
44) Bromodichloromethane	6.76	83	25483	2.05	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	50669	9.25	ug/l	97
46) t-1,4-Dichloro-2-butene	10.52	75	6332m	4.01	ug/l	
47) Methyl methacrylate	6.63	69	15011	3.66	ug/l #	94
48) Ethyl methacrylate	8.02	69	14625	1.77	ug/l	95
49) Toluene	7.64	92	44053	1.99	ug/l	98
50) t-1,3-Dichloropropene	7.89	75	21923	1.95	ug/l	92
51) cis-1,3-Dichloropropene	7.27	75	27362	2.03	ug/l	96
52) 1,1,2-Trichloroethane	8.07	97	12693	1.93	ug/l	96
53) 1,3-Dichloropropane	8.25	76	22297	2.01	ug/l	100
54) 2-Hexanone	8.37	43	36078	9.33	ug/l	97
55) Dibromochloromethane	8.48	129	17085	2.04	ug/l	98
56) 1,2-Dibromoethane	8.59	107	12970	2.04	ug/l	99
58) Tetrachloroethene	8.23	164	19765	2.06	ug/l	94
59) Chlorobenzene	9.12	112	50537	1.98	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	19001	2.01	ug/l	97
61) Pentachloroethane	11.10	117	14489	2.01	ug/l	98
62) Hexachloroethane	12.15	117	14176	1.92	ug/l	99
63) Ethyl Benzene	9.25	91	81309	1.92	ug/l	97
64) m/p-Xylenes	9.38	106	63953	3.84	ug/l	99
65) o-Xylene	9.78	106	30357	1.91	ug/l	99
66) Styrene	9.80	104	50074	1.86	ug/l	98
67) Bromoform	9.96	173	9531	1.93	ug/l #	94
69) Isopropylbenzene	10.17	105	82266	1.92	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	16103	1.95	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	10938	1.70	ug/l #	93
72) Bromobenzene	10.45	156	22104	1.99	ug/l	94
73) n-propylbenzene	10.59	120	22744	1.88	ug/l	98
74) 2-Chlorotoluene	10.66	126	20212	1.90	ug/l	96
75) 1,3,5-Trimethylbenzene	10.78	105	72060	1.92	ug/l	97
76) 4-Chlorotoluene	10.78	126	22072	1.97	ug/l	95
77) tert-Butylbenzene	11.10	119	69259	1.88	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	73768	1.93	ug/l	100
79) sec-Butylbenzene	11.33	105	94064	1.94	ug/l	99
80) Nitrobenzene	12.88	77	2231	8.86	ug/l #	89
81) p-Isopropyltoluene	11.48	119	78808	1.92	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	44837	1.96	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	45006	2.02	ug/l	99
84) n-Butylbenzene	11.89	91	69882	1.81	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	41782	2.00	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2755	2.02	ug/l	97
87) 1,2,4-Trichlorobenzene	13.51	180	27655	1.90	ug/l	96
88) Hexachlorobutadiene	13.70	225	16681	1.86	ug/l	100
89) Naphthalene	13.75	128	40143	1.70	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	24686	1.86	ug/l	98

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

