

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU101918\
 Data File : VU027709.D
 Acq On : 19 Oct 2018 08:56
 Operator : MD/SY
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 19 09:19:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U092718DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Sep 27 12:25:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	19391	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	7890	1.18	ug/l	0.00
Spiked Amount	1.000		Recovery	=	118.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	7308	1.20	ug/l	0.00
Spiked Amount	1.000		Recovery	=	120.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	3729	0.53	ug/l	99
3) Chloromethane	1.33	50	3834	0.46	ug/l	95
4) Vinyl Chloride	1.40	62	3798	0.44	ug/l	96
5) Bromomethane	1.63	94	1742	0.81	ug/l	91
6) Chloroethane	1.70	64	2354	0.42	ug/l	97
7) Trichlorofluoromethane	1.89	101	4326	0.47	ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	2364	0.45	ug/l	97
9) 1,1-Dichloroethene	2.29	96	2104	0.46	ug/l	74
11) Allyl Chloride	2.59	41	5176	0.46	ug/l	98
12) Acrylonitrile	2.97	53	1688	1.19	ug/l #	72
13) Acetone	2.39	43	2604	2.34	ug/l #	85
14) Carbon Disulfide	2.48	76	8426	0.47	ug/l	95
15) Methylene Chloride	2.70	84	2942	0.49	ug/l	92
16) trans-1,2-Dichloroethene	2.98	96	2445	0.45	ug/l	87
17) 1,1-Dichloroethane	3.45	63	5555	0.47	ug/l	97
18) 2-Butanone	4.32	43	5429	2.69	ug/l	80
19) Cyclohexane	4.99	56	4908	0.48	ug/l #	95
20) Methylcyclohexane	6.41	83	4901	0.51	ug/l	92
21) 2,2-Dichloropropane	4.23	77	4827	0.49	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	3039	0.46	ug/l	100
23) Diethyl Ether	2.11	59	2100	0.45	ug/l #	79
24) tert-Butyl Alcohol	2.90	59	93	0.23	ug/l #	1
25) Methyl tert-Butyl Ether	3.01	73	7319	0.52	ug/l	98
26) Bromochloromethane	4.55	128	1222	0.57	ug/l	98
27) Chloroform	4.68	83	5180	0.50	ug/l	90
28) 1,1,1-Trichloroethane	4.91	97	4499	0.52	ug/l	95
29) 1,1-Dichloropropene	5.13	75	4019	0.47	ug/l #	87
30) Carbon Tetrachloride	5.13	117	3927	0.53	ug/l #	95
31) Isopropyl Ether	3.59	45	9803	0.45	ug/l	93
32) Ethyl-t-butyl ether	4.09	59	8401	0.47	ug/l	100
33) Tert-Amyl methyl ether	5.59	73	7568	0.52	ug/l #	96
34) Propionitrile	4.39	54	645	1.20	ug/l #	66
35) Benzene	5.39	78	11345	0.47	ug/l	97
36) 1,2-Dichloroethane	5.41	62	3410	0.45	ug/l #	94
37) Trichloroethene	6.18	130	2641	0.46	ug/l	96
38) 1,2-Dichloropropane	6.44	63	3212	0.47	ug/l	93
39) Methacrylonitrile	4.56	41	1418	0.55	ug/l #	72
40) Methyl acrylate	4.45	55	1310	0.34	ug/l #	84
41) Tetrahydrofuran	4.68	42	1470	1.01	ug/l #	66
42) 1-Chlorobutane	5.07	56	5918	0.43	ug/l	90
43) Dibromomethane	6.56	93	1496	0.52	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) Bromodichloromethane	6.76	83	3560	0.47	ug/l	98
45) 4-Methyl-2-Pentanone	7.48	43	12144	2.74	ug/l	97
46) t-1,4-Dichloro-2-butene	10.49	75	1879	1.41	ug/l #	68
47) Methyl methacrylate	6.64	69	3397	1.19	ug/l #	93
48) Ethyl methacrylate	8.03	69	3152	0.60	ug/l	77
49) Toluene	7.64	92	6449	0.50	ug/l	91
50) t-1,3-Dichloropropene	7.88	75	3860	0.55	ug/l	92
51) cis-1,3-Dichloropropene	7.27	75	4817	0.55	ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	1982	0.50	ug/l	92
53) 1,3-Dichloropropane	8.25	76	3566	0.47	ug/l	94
54) 2-Hexanone	8.38	43	9605	3.14	ug/l	96
55) Dibromochloromethane	8.48	129	2368	0.53	ug/l	96
56) 1,2-Dibromoethane	8.59	107	1965	0.54	ug/l	94
58) Tetrachloroethene	8.22	164	2844	0.61	ug/l	92
59) Chlorobenzene	9.12	112	7139	0.52	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.21	131	2646	0.54	ug/l	100
61) Pentachloroethane	11.11	117	1705	0.42	ug/l	98
62) Hexachloroethane	12.14	117	2074	0.50	ug/l	88
63) Ethyl Benzene	9.25	91	12776	0.54	ug/l	98
64) m/p-Xylenes	9.38	106	9413	1.05	ug/l	95
65) o-Xylene	9.78	106	4349	0.52	ug/l	81
66) Styrene	9.79	104	7567	0.53	ug/l	93
67) Bromoform	9.96	173	1318	0.55	ug/l #	90
69) Isopropylbenzene	10.17	105	12470	0.57	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	2457	0.46	ug/l #	97
71) 1,2,3-Trichloropropane	10.49	75	1879	0.47	ug/l #	92
72) Bromobenzene	10.46	156	2714	0.52	ug/l	82
73) n-propylbenzene	10.59	120	3369	0.57	ug/l	96
74) 2-Chlorotoluene	10.66	126	2705	0.51	ug/l	84
75) 1,3,5-Trimethylbenzene	10.77	105	10692	0.56	ug/l	98
76) 4-Chlorotoluene	10.78	126	2903	0.53	ug/l	92
77) tert-Butylbenzene	11.10	119	10230	0.57	ug/l	96
78) 1,2,4-Trimethylbenzene	11.15	105	10798	0.56	ug/l	98
79) sec-Butylbenzene	11.32	105	13547	0.54	ug/l	97
80) Nitrobenzene	12.88	77	478	2.19	ug/l #	40
81) p-Isopropyltoluene	11.48	119	11045	0.56	ug/l	95
82) 1,3-Dichlorobenzene	11.42	146	5538	0.51	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	5337	0.49	ug/l	97
84) n-Butylbenzene	11.89	91	9783	0.48	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	5431	0.54	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	356	0.42	ug/l	93
87) 1,2,4-Trichlorobenzene	13.50	180	3916	0.61	ug/l	95
88) Hexachlorobutadiene	13.69	225	2192	0.53	ug/l	95
89) Naphthalene	13.75	128	6908	0.59	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	3455	0.56	ug/l	98

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

