

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU101918\
 Data File : VU027711.D
 Acq On : 19 Oct 2018 12:59
 Operator : MD/SY
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 19 13:19:40 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	15186	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	5591	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	5350	1.13	ug/l	0.00
Spiked Amount 1.000			Recovery	=	113.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	12108	2.20	ug/l	100
3) Chloromethane	1.33	50	12693	1.92	ug/l	100
4) Vinyl Chloride	1.40	62	12257	1.83	ug/l	100
5) Bromomethane	1.63	94	5970	3.56	ug/l	94
6) Chloroethane	1.70	64	10260	2.34	ug/l	99
7) Trichlorofluoromethane	1.89	101	14083	1.96	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	8010	1.95	ug/l	96
9) 1,1-Dichloroethene	2.29	96	7166	1.99	ug/l	92
10) Iodomethane	2.41	142	9407	7.48	ug/l	94
11) Allyl Chloride	2.59	41	16160	1.82	ug/l	99
12) Acrylonitrile	2.95	53	4424	3.98	ug/l	100
13) Acetone	2.36	43	8950	10.29	ug/l	90
14) Carbon Disulfide	2.48	76	25510	1.82	ug/l	100
15) Methylene Chloride	2.70	84	8290	1.77	ug/l	93
16) trans-1,2-Dichloroethene	2.98	96	7607	1.80	ug/l	84
17) 1,1-Dichloroethane	3.45	63	16357	1.77	ug/l	100
18) 2-Butanone	4.31	43	15014	9.50	ug/l	98
19) Cyclohexane	4.99	56	14936	1.85	ug/l	99
20) Methylcyclohexane	6.41	83	14633	1.93	ug/l	92
21) 2,2-Dichloropropane	4.23	77	13568	1.74	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	9042	1.75	ug/l	94
23) Diethyl Ether	2.11	59	6559	1.80	ug/l	96
24) tert-Butyl Alcohol	2.88	59	1473	4.71	ug/l #	67
25) Methyl tert-Butyl Ether	3.01	73	22117	2.01	ug/l	91
26) Bromochloromethane	4.55	128	3656	2.18	ug/l	92
27) Chloroform	4.68	83	16101	1.98	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	14047	2.07	ug/l	98
29) 1,1-Dichloropropene	5.13	75	12381	1.85	ug/l	95
30) Carbon Tetrachloride	5.13	117	12515	2.14	ug/l	98
31) Isopropyl Ether	3.59	45	31793	1.85	ug/l	96
32) Ethyl-t-butyl ether	4.08	59	28018	2.01	ug/l	97
33) Tert-Amyl methyl ether	5.59	73	22558	1.98	ug/l	99
34) Propionitrile	4.38	54	4404	10.45	ug/l #	80
35) Benzene	5.39	78	34450	1.83	ug/l	98
36) 1,2-Dichloroethane	5.41	62	11091	1.87	ug/l	96
37) Trichloroethene	6.18	130	8480	1.90	ug/l	94
38) 1,2-Dichloropropane	6.44	63	9636	1.81	ug/l	97
39) Methacrylonitrile	4.56	41	4362	2.16	ug/l	98
40) Methyl acrylate	4.44	55	5405	1.79	ug/l #	80
41) Tetrahydrofuran	4.67	42	3962	3.49	ug/l	99
42) 1-Chlorobutane	5.06	56	18908	1.76	ug/l	98

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

43) Dibromomethane	6.56	93	4496	1.98	ug/l	96
44) Bromodichloromethane	6.76	83	11540	1.94	ug/l	98
45) 4-Methyl-2-Pentanone	7.48	43	37684	10.86	ug/l	96
46) t-1,4-Dichloro-2-butene	10.50	75	5335	5.13	ug/l #	79
47) Methyl methacrylate	6.64	69	9644	4.30	ug/l	85
48) Ethyl methacrylate	8.03	69	10177	2.47	ug/l	85
49) Toluene	7.64	92	21049	2.07	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	11656	2.10	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	13805	2.02	ug/l #	90
52) 1,1,2-Trichloroethane	8.07	97	5985	1.94	ug/l	97
53) 1,3-Dichloropropane	8.25	76	11677	1.95	ug/l	98
54) 2-Hexanone	8.38	43	26508	11.08	ug/l	95
55) Dibromochloromethane	8.48	129	7339	2.11	ug/l	96
56) 1,2-Dibromoethane	8.59	107	5936	2.10	ug/l	98
58) Tetrachloroethene	8.22	164	7559	2.07	ug/l	95
59) Chlorobenzene	9.12	112	21484	2.01	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	7869	2.05	ug/l	96
61) Pentachloroethane	11.10	117	6343	1.99	ug/l	99
62) Hexachloroethane	12.15	117	6582	2.03	ug/l	94
63) Ethyl Benzene	9.25	91	40636	2.18	ug/l	100
64) m/p-Xylenes	9.38	106	29697	4.24	ug/l	94
65) o-Xylene	9.78	106	15215	2.33	ug/l	98
66) Styrene	9.79	104	24663	2.20	ug/l	97
67) Bromoform	9.96	173	4257	2.25	ug/l #	98
69) Isopropylbenzene	10.17	105	39614	2.30	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	8221	1.97	ug/l	98
71) 1,2,3-Trichloropropane	10.50	75	5335	1.71	ug/l #	98
72) Bromobenzene	10.45	156	8595	2.11	ug/l	87
73) n-propylbenzene	10.59	120	9815	2.12	ug/l	91
74) 2-Chlorotoluene	10.66	126	9040	2.18	ug/l	96
75) 1,3,5-Trimethylbenzene	10.77	105	32922	2.21	ug/l	95
76) 4-Chlorotoluene	10.77	126	9133	2.14	ug/l	94
77) tert-Butylbenzene	11.10	119	33112	2.34	ug/l	96
78) 1,2,4-Trimethylbenzene	11.15	105	33534	2.21	ug/l	95
79) sec-Butylbenzene	11.32	105	41636	2.14	ug/l	100
80) Nitrobenzene	12.86	77	1670	9.78	ug/l #	89
81) p-Isopropyltoluene	11.48	119	32847	2.11	ug/l	96
82) 1,3-Dichlorobenzene	11.42	146	16930	1.99	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	17114	2.02	ug/l	99
84) n-Butylbenzene	11.89	91	30590	1.92	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	15984	2.03	ug/l	96
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1381	2.10	ug/l	96
87) 1,2,4-Trichlorobenzene	13.50	180	11246	2.23	ug/l	98
88) Hexachlorobutadiene	13.69	225	6830	2.12	ug/l	99
89) Naphthalene	13.75	128	23892	2.62	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	10502	2.17	ug/l	98

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

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