

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U073120\
 Data File : VU039731.D
 Acq On : 31 Jul 2020 13:06
 Operator : SY/MD
 Sample : L3216-09 0.4PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Quant Time: Aug 01 01:47:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 31 07:12:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.12	96	24197	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.64	95	6928	0.73	ug/l	0.00
Spiked Amount 1.000			Recovery	=	73.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	7214	0.78	ug/l	0.00
Spiked Amount 1.000			Recovery	=	78.00%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.39	85	2833	0.337	ug/l	96
3) Chloromethane	1.53	50	4396	0.421	ug/l	98
4) Vinyl Chloride	1.61	62	3398	0.353	ug/l	95
5) Bromomethane	1.87	94	2459	0.374	ug/l	97
6) Chloroethane	1.94	64	2800	0.419	ug/l	96
7) Trichlorofluoromethane	2.15	101	5055	0.397	ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2538	0.347	ug/l	93
9) 1,1-Dichloroethene	2.59	96	2442	0.363	ug/l	86
10) Iodomethane	2.73	142	3120	0.460	ug/l	97
11) Allyl Chloride	2.94	41	5028	0.347	ug/l	93
12) Acrylonitrile	3.35	53	1867	0.791	ug/l #	92
13) Acetone	2.66	43	5146	2.318	ug/l	93
14) Carbon Disulfide	2.81	76	9072	0.368	ug/l	99
15) Methylene Chloride	3.06	84	5323	0.568	ug/l	95
16) trans-1,2-Dichloroethene	3.36	96	2766	0.362	ug/l	95
17) 1,1-Dichloroethane	3.88	63	6039	0.360	ug/l #	94
18) 2-Butanone	4.75	43	7267	1.946	ug/l	93
19) Cyclohexane	5.40	56	5767m	0.355	ug/l	
20) Methylcyclohexane	6.77	83	4773	0.396	ug/l	93
21) 2,2-Dichloropropane	4.68	77	5476	0.400	ug/l #	89
22) cis-1,2-Dichloroethene	4.68	96	2858	0.347	ug/l	88
23) Diethyl Ether	2.39	59	2521	0.367	ug/l	88
24) tert-Butyl Alcohol	3.20	59	1157m	0.945	ug/l	
25) Methyl tert-Butyl Ether	3.38	73	7636	0.348	ug/l	96
26) Bromochloromethane	5.00	128	1236	0.367	ug/l	92
27) Chloroform	5.11	83	5626	0.358	ug/l	91
28) 1,1,1-Trichloroethane	5.33	97	4373	0.344	ug/l	99
29) 1,1-Dichloropropene	5.53	75	4582	0.374	ug/l	93
30) Carbon Tetrachloride	5.54	117	3638	0.350	ug/l #	86
31) Isopropyl Ether	4.02	45	11349	0.371	ug/l	98
32) Ethyl-t-butyl ether	4.53	59	9110	0.350	ug/l	97
33) Tert-Amyl methyl ether	5.97	73	7743	0.412	ug/l	98
34) Propionitrile	4.84	54	1371	1.488	ug/l #	70
35) Benzene	5.79	78	12870	0.425	ug/l	95
36) 1,2-Dichloroethane	5.81	62	4720	0.416	ug/l	97
37) Trichloroethene	6.56	130	2776	0.401	ug/l	96
38) 1,2-Dichloropropane	6.81	63	3191	0.382	ug/l	94
39) Methacrylonitrile	5.00	41	1963	0.404	ug/l #	57
40) Methyl acrylate	4.87	55	2641	0.422	ug/l #	78
41) Tetrahydrofuran	5.10	42	2120	0.868	ug/l #	64
42) 1-Chlorobutane	5.47	56	7039	0.366	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	1777	0.396	ug/l	92
44) Bromodichloromethane	7.12	83	3713	0.361	ug/l	91
45) 4-Methyl-2-Pentanone	7.82	43	12930	1.901	ug/l	96
46) t-1,4-Dichloro-2-butene	10.83	75	1352m	0.668	ug/l	
47) Methyl methacrylate	6.98	69	3281	0.783	ug/l #	86
48) Ethyl methacrylate	8.35	69	2213	0.287	ug/l	80
49) Toluene	7.98	92	5535	0.307	ug/l	94
50) t-1,3-Dichloropropene	8.22	75	2672	0.288	ug/l #	71
51) cis-1,3-Dichloropropene	7.62	75	3514	0.322	ug/l	96
52) 1,1,2-Trichloroethane	8.41	97	2017	0.346	ug/l	96
53) 1,3-Dichloropropane	8.58	76	3918	0.350	ug/l	99
54) 2-Hexanone	8.70	43	8332	1.711	ug/l	91
55) Dibromochloromethane	8.82	129	1812	0.289	ug/l	92
56) 1,2-Dibromoethane	8.93	107	1850	0.329	ug/l	94
58) Tetrachloroethene	8.56	164	2224	0.367	ug/l	83
59) Chlorobenzene	9.45	112	6092	0.327	ug/l	92
60) 1,1,1,2-Tetrachloroethane	9.54	131	1965	0.313	ug/l	97
61) Pentachloroethane	11.43	117	1570	0.284	ug/l	96
62) Hexachloroethane	12.47	117	1323	0.261	ug/l	93
63) Ethyl Benzene	9.57	91	9586	0.287	ug/l	99
64) m/p-Xylenes	9.70	106	7097	0.544	ug/l	96
65) o-Xylene	10.10	106	3188	0.257	ug/l	88
66) Styrene	10.12	104	5187	0.244	ug/l	94
67) Bromoform	10.29	173	914	0.286	ug/l #	91
69) Isopropylbenzene	10.48	105	8800	0.266	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.78	83	3026	0.360	ug/l #	95
71) 1,2,3-Trichloropropane	10.83	75	2384m	0.377	ug/l	
72) Bromobenzene	10.78	156	2245	0.299	ug/l	93
73) n-propylbenzene	10.91	120	2279	0.245	ug/l	91
74) 2-Chlorotoluene	10.99	126	2248	0.286	ug/l	93
75) 1,3,5-Trimethylbenzene	11.09	105	7477	0.261	ug/l	98
76) 4-Chlorotoluene	11.10	126	2123	0.261	ug/l	93
77) tert-Butylbenzene	11.42	119	7246	0.264	ug/l	95
78) 1,2,4-Trimethylbenzene	11.46	105	7442	0.254	ug/l	100
79) sec-Butylbenzene	11.64	105	10028	0.257	ug/l	100
80) Nitrobenzene	13.20	77	113	0.795	ug/l #	44
81) p-Isopropyltoluene	11.79	119	7749	0.246	ug/l	100
82) 1,3-Dichlorobenzene	11.74	146	4656	0.288	ug/l	96
83) 1,4-Dichlorobenzene	11.83	146	4794	0.295	ug/l	99
84) n-Butylbenzene	12.20	91	8164	0.244	ug/l	99
85) 1,2-Dichlorobenzene	12.21	146	4672	0.300	ug/l	94
86) 1,2-Dibromo-3-Chloropropan	12.99	75	363	0.257	ug/l	87
87) 1,2,4-Trichlorobenzene	13.83	180	2972	0.305	ug/l #	82
88) Hexachlorobutadiene	14.01	225	1257	0.284	ug/l	99
89) Naphthalene	14.08	128	5815	0.279	ug/l #	94
90) 1,2,3-Trichlorobenzene	14.32	180	2661	0.289	ug/l	96

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

