

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U030819\
 Data File : VU029846.D
 Acq On : 07 Mar 2019 10:49
 Operator : JC/SP
 Sample : MDL03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 6:48:14 PM

Quant Time: Mar 08 22:24:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030719DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Mar 08 00:30:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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1) Fluorobenzene	5.74	96	56895	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	18113	0.89	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	21908	0.92	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.00%	
Target Compounds					Ovalue	
3) Chloromethane	1.33	50	4630	0.273	ug/l	92
4) Vinyl Chloride	1.40	62	4499	0.236	ug/l	93
5) Bromomethane	1.63	94	4154	0.319	ug/l	94
6) Chloroethane	1.70	64	2773	0.242	ug/l	92
7) Trichlorofluoromethane	1.88	101	5500	0.212	ug/l	96
9) 1,1-Dichloroethene	2.28	96	3666	0.248	ug/l	87
10) Iodomethane	2.41	142	3357	0.773	ug/l	97
11) Allyl Chloride	2.59	41	4891	0.235	ug/l	91
12) Acrylonitrile	2.94	53	1815	0.562	ug/l #	88
13) Acetone	2.32	43	3859	1.444	ug/l	94
14) Carbon Disulfide	2.47	76	12219	0.255	ug/l	98
15) Methylene Chloride	2.69	84	8075	0.455	ug/l	94
16) trans-1,2-Dichloroethene	2.98	96	4185	0.250	ug/l	92
17) 1,1-Dichloroethane	3.44	63	6793	0.243	ug/l	94
18) 2-Butanone	4.29	43	2919	0.804	ug/l	100
19) Cyclohexane	4.99	56	4670m	0.215	ug/l	
21) 2,2-Dichloropropane	4.22	77	5439	0.238	ug/l #	68
22) cis-1,2-Dichloroethene	4.22	96	4038m	0.228	ug/l	
23) Diethyl Ether	2.10	59	2777	0.250	ug/l #	89
24) tert-Butyl Alcohol	2.83	59	3653	3.192	ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	8922	0.239	ug/l #	88
26) Bromochloromethane	4.54	128	1944	0.247	ug/l	98
27) Chloroform	4.67	83	6971	0.246	ug/l	85
28) 1,1,1-Trichloroethane	4.91	97	5385	0.224	ug/l	99
29) 1,1-Dichloropropene	5.13	75	4733	0.222	ug/l	98
30) Carbon Tetrachloride	5.13	117	4409	0.210	ug/l #	91
31) Isopropyl Ether	3.57	45	9286	0.241	ug/l	97
32) Ethyl-t-butyl ether	4.06	59	8928	0.238	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	7652	0.221	ug/l #	87
34) Propionitrile	4.34	54	863m	0.799	ug/l	
35) Benzene	5.39	78	14300	0.227	ug/l	96
36) 1,2-Dichloroethane	5.41	62	3988	0.232	ug/l #	85
37) Trichloroethene	6.18	130	4343	0.237	ug/l	89
38) 1,2-Dichloropropane	6.43	63	3353	0.211	ug/l	100
39) Methacrylonitrile	4.56	41	1070m	0.235	ug/l	
41) Tetrahydrofuran	4.66	42	1201	0.505	ug/l #	66
42) 1-Chlorobutane	5.06	56	5993	0.220	ug/l	76
43) Dibromomethane	6.56	93	1983	0.240	ug/l	98
44) Bromodichloromethane	6.76	83	4153	0.205	ug/l	93
45) 4-Methyl-2-Pentanone	7.47	43	9509	1.105	ug/l	93
46) t-1,4-Dichloro-2-butene	10.51	75	1074m	0.299	ug/l	

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

47) Methyl methacrylate	6.63	69	2603	0.368	ug/l	87
49) Toluene	7.64	92	8189	0.212	ug/l	97
50) t-1,3-Dichloropropene	7.89	75	3677	0.207	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	4402	0.200	ug/l #	89
52) 1,1,2-Trichloroethane	8.07	97	2806	0.230	ug/l	95
54) 2-Hexanone	8.38	43	6028	1.009	ug/l	94
55) Dibromochloromethane	8.48	129	2912	0.201	ug/l	91
56) 1,2-Dibromoethane	8.59	107	2554	0.221	ug/l	95
58) Tetrachloroethene	8.22	164	3885	0.207	ug/l	99
59) Chlorobenzene	9.12	112	9967	0.225	ug/l	90
62) Hexachloroethane	12.14	117	2348	0.201	ug/l	92
63) Ethyl Benzene	9.25	91	14808	0.204	ug/l	96
64) m/p-Xylenes	9.38	106	10632	0.370	ug/l	97
67) Bromoform	9.96	173	1775	0.209	ug/l #	90
70) 1,1,2,2-Tetrachloroethane	10.46	83	3091	0.208	ug/l #	96
71) 1,2,3-Trichloropropane	10.49	75	2385m	0.216	ug/l	
74) 2-Chlorotoluene	10.66	126	3659	0.201	ug/l	90
85) 1,2-Dichlorobenzene	11.88	146	7300	0.202	ug/l	90
89) Naphthalene	13.75	128	5594m	0.577	ug/l	

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

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