Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020519\
Data File : VU029349.D
Acq On : 05 Feb 2019 16:27
Operator : JC/SP
Sample : MDL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

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2/8/2019 2:26:39 PM

Quant Time: Feb 08 11:21:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U020519DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Feb 08 10:52:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.74	96	59588	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	22431	0.96	ug/l		0.00
Spiked Amount 1.000			Recovery = 96.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	23393	0.98	ug/l		0.00
Spiked Amount 1.000			Recovery = 98.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	5865	0.264	ug/l		97
3) Chloromethane	1.33	50	5788	0.285	ug/l		94
4) Vinyl Chloride	1.40	62	6679	0.280	ug/l		99
5) Bromomethane	1.63	94	4747	0.358	ug/l		90
6) Chloroethane	1.70	64	4184	0.301	ug/l		96
7) Trichlorofluoromethane	1.88	101	9591	0.288	ug/l		95
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	5341	0.304	ug/l	#	84
9) 1,1-Dichloroethene	2.28	96	4391	0.255	ug/l		86
10) Iodomethane	2.41	142	4067m	0.453	ug/l		
11) Allyl Chloride	2.59	41	7863	0.273	ug/l		97
12) Acrylonitrile	2.94	53	2329	0.604	ug/l		97
13) Acetone	2.32	43	6256	1.685	ug/l		94
14) Carbon Disulfide	2.48	76	17423	0.287	ug/l		97
15) Methylene Chloride	2.69	84	8569	0.411	ug/l	#	81
16) trans-1,2-Dichloroethene	2.98	96	4817	0.251	ug/l	#	74
17) 1,1-Dichloroethane	3.44	63	8019	0.263	ug/l	#	94
18) 2-Butanone	4.29	43	4286	1.033	ug/l		78
19) Cyclohexane	4.99	56	8708m	0.308	ug/l		
20) Methylcyclohexane	6.41	83	8533	0.288	ug/l	#	84
21) 2,2-Dichloropropane	4.22	77	9519	0.338	ug/l	#	83
22) cis-1,2-Dichloroethene	4.23	96	5005	0.276	ug/l		81
23) Diethyl Ether	2.10	59	3831	0.278	ug/l		90
24) tert-Butyl Alcohol	2.83	59	4578	3.191	ug/l	#	92
25) Methyl tert-Butyl Ether	3.00	73	13362	0.276	ug/l	#	81
26) Bromochloromethane	4.56	128	2128	0.266	ug/l		74
27) Chloroform	4.67	83	7692	0.260	ug/l		94
28) 1,1,1-Trichloroethane	4.91	97	7472	0.272	ug/l		95
29) 1,1-Dichloropropene	5.13	75	6685	0.280	ug/l	#	82
30) Carbon Tetrachloride	5.13	117	6494	0.261	ug/l		97
31) Isopropyl Ether	3.57	45	12354	0.269	ug/l		93
32) Ethyl-t-butyl ether	4.07	59	12050	0.262	ug/l		91
33) Tert-Amyl methyl ether	5.59	73	11393	0.274	ug/l		95
35) Benzene	5.39	78	17495	0.265	ug/l		100
36) 1,2-Dichloroethane	5.41	62	5032	0.252	ug/l	#	78
37) Trichloroethene	6.18	130	5094	0.269	ug/l		99
38) 1,2-Dichloropropane	6.43	63	4343	0.253	ug/l		95
41) Tetrahydrofuran	4.66	42	1711	0.608	ug/l	#	86
42) 1-Chlorobutane	5.06	56	8328	0.261	ug/l		96
43) Dibromomethane	6.56	93	2549	0.279	ug/l		94
44) Bromodichloromethane	6.76	83	6160	0.265	ug/l		95
45) 4-Methyl-2-Pentanone	7.47	43	14483	1.352	ug/l	#	87

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Quant Time: Feb 08 11:21:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U020519DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Feb 08 10:52:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
46) t-1,4-Dichloro-2-butene	10.52	75	2463m	0.472 ug/l		
47) Methyl methacrylate	6.64	69	3630m	0.451 ug/l		
48) Ethyl methacrylate	8.03	69	3967	0.230 ug/l		99
49) Toluene	7.64	92	10268	0.243 ug/l		97
50) t-1,3-Dichloropropene	7.89	75	5968	0.261 ug/l		96
51) cis-1,3-Dichloropropene	7.27	75	7251	0.267 ug/l		92
52) 1,1,2-Trichloroethane	8.07	97	3424	0.283 ug/l		94
53) 1,3-Dichloropropane	8.25	76	5537	0.261 ug/l		95
54) 2-Hexanone	8.37	43	8427	1.122 ug/l		90
55) Dibromochloromethane	8.48	129	4535	0.264 ug/l		96
56) 1,2-Dibromoethane	8.59	107	3209	0.259 ug/l		86
58) Tetrachloroethene	8.22	164	4887	0.278 ug/l		93
59) Chlorobenzene	9.12	112	12831	0.270 ug/l		93
60) 1,1,1,2-Tetrachloroethane	9.21	131	4701	0.268 ug/l		94
61) Pentachloroethane	11.10	117	3940	0.290 ug/l		91
62) Hexachloroethane	12.14	117	3702	0.249 ug/l		100
63) Ethyl Benzene	9.25	91	22103	0.268 ug/l		95
64) m/p-Xylenes	9.37	106	16942	0.528 ug/l		88
65) o-Xylene	9.78	106	8519	0.271 ug/l		85
66) Styrene	9.80	104	13923	0.265 ug/l		93
67) Bromoform	9.96	173	2955	0.276 ug/l	#	98
69) Isopropylbenzene	10.17	105	23009	0.274 ug/l		96
70) 1,1,2,2-Tetrachloroethane	10.46	83	4480	0.289 ug/l		93
71) 1,2,3-Trichloropropane	10.50	75	3423m	0.321 ug/l		
72) Bromobenzene	10.45	156	5619	0.276 ug/l		95
73) n-propylbenzene	10.59	120	6077	0.259 ug/l		79
74) 2-Chlorotoluene	10.66	126	5532	0.277 ug/l		79
75) 1,3,5-Trimethylbenzene	10.77	105	18796	0.259 ug/l		97
76) 4-Chlorotoluene	10.77	126	5403	0.261 ug/l		85
77) tert-Butylbenzene	11.10	119	18919	0.264 ug/l		94
78) 1,2,4-Trimethylbenzene	11.15	105	19945	0.272 ug/l		98
79) sec-Butylbenzene	11.32	105	24293	0.259 ug/l		97
81) p-Isopropyltoluene	11.48	119	20450	0.257 ug/l		95
82) 1,3-Dichlorobenzene	11.42	146	10436	0.261 ug/l		98
83) 1,4-Dichlorobenzene	11.51	146	10661	0.268 ug/l		98
84) n-Butylbenzene	11.89	91	17257	0.237 ug/l		93
85) 1,2-Dichlorobenzene	11.88	146	10105	0.267 ug/l		94
86) 1,2-Dibromo-3-Chloropropan	12.66	75	726	0.251 ug/l	#	84
87) 1,2,4-Trichlorobenzene	13.51	180	6233	0.235 ug/l		98
88) Hexachlorobutadiene	13.69	225	4275	0.278 ug/l		96
89) Naphthalene	13.75	128	10532	0.234 ug/l		99
90) 1,2,3-Trichlorobenzene	13.99	180	6254	0.258 ug/l		91

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

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