Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020619\
Data File : VU029358.D
Acq On : 06 Feb 2019 11:54
Operator : JC/SP
Sample : MDL04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Manual Integrations APPROVED
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2/8/2019 2:27:26 PM

Quant Time: Feb 08 12:30:00 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	49967	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	19056	0.98	ug/l		0.00
Spiked Amount 1.000			Recovery = 98.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	19571	0.98	ug/l		0.00
Spiked Amount 1.000			Recovery = 98.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	4624	0.248	ug/l		93
3) Chloromethane	1.33	50	4057	0.238	ug/l		99
4) Vinyl Chloride	1.40	62	4686	0.235	ug/l		97
5) Bromomethane	1.63	94	3592	0.323	ug/l		85
6) Chloroethane	1.70	64	2604	0.223	ug/l		99
7) Trichlorofluoromethane	1.88	101	6920	0.248	ug/l		96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3805	0.258	ug/l	#	83
9) 1,1-Dichloroethene	2.28	96	3856	0.268	ug/l		59
10) Iodomethane	2.41	142	3067	0.438	ug/l		91
11) Allyl Chloride	2.59	41	5441	0.225	ug/l		95
12) Acrylonitrile	2.94	53	1793	0.555	ug/l	#	59
13) Acetone	2.32	43	5984	1.922	ug/l	#	84
14) Carbon Disulfide	2.48	76	12726	0.250	ug/l	#	94
15) Methylene Chloride	2.70	84	6044	0.346	ug/l	#	80
16) trans-1,2-Dichloroethene	2.98	96	4055	0.252	ug/l	#	71
17) 1,1-Dichloroethane	3.44	63	5845	0.229	ug/l	#	89
18) 2-Butanone	4.30	43	2805	0.806	ug/l		97
19) Cyclohexane	4.99	56	5819m	0.246	ug/l		
20) Methylcyclohexane	6.41	83	6672m	0.268	ug/l		
21) 2,2-Dichloropropane	4.22	77	7025m	0.297	ug/l		
22) cis-1,2-Dichloroethene	4.23	96	4594	0.303	ug/l		69
23) Diethyl Ether	2.10	59	3462	0.299	ug/l		89
24) tert-Butyl Alcohol	2.83	59	4325	3.595	ug/l	#	90
25) Methyl tert-Butyl Ether	3.00	73	9675	0.238	ug/l	#	59
26) Bromochloromethane	4.55	128	1557	0.232	ug/l		78
27) Chloroform	4.67	83	6498	0.262	ug/l		99
28) 1,1,1-Trichloroethane	4.91	97	6044	0.263	ug/l		89
29) 1,1-Dichloropropene	5.13	75	4820	0.241	ug/l	#	82
30) Carbon Tetrachloride	5.13	117	4872	0.234	ug/l		96
31) Isopropyl Ether	3.58	45	8717	0.226	ug/l		92
32) Ethyl-t-butyl ether	4.07	59	9555	0.247	ug/l		93
33) Tert-Amyl methyl ether	5.58	73	8671	0.248	ug/l	#	94
35) Benzene	5.39	78	13140	0.238	ug/l		97
36) 1,2-Dichloroethane	5.41	62	3460	0.207	ug/l		99
37) Trichloroethene	6.18	130	3725	0.235	ug/l	#	75
38) 1,2-Dichloropropane	6.43	63	3463	0.241	ug/l		93
41) Tetrahydrofuran	4.67	42	878	0.372	ug/l	#	52
42) 1-Chlorobutane	5.06	56	5849	0.218	ug/l		96
43) Dibromomethane	6.56	93	1771	0.231	ug/l	#	79
44) Bromodichloromethane	6.76	83	4624	0.237	ug/l		96
45) 4-Methyl-2-Pentanone	7.47	43	9339	1.040	ug/l	#	85

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Quant Time: Feb 08 12:30:00 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	10.53	75	1431m	0.327 ug/l		
47) Methyl methacrylate	6.64	69	2532	0.376 ug/l	#	74
48) Ethyl methacrylate	8.03	69	3155	0.218 ug/l		71
49) Toluene	7.64	92	7798	0.220 ug/l		99
50) t-1,3-Dichloropropene	7.89	75	4191	0.219 ug/l		94
51) cis-1,3-Dichloropropene	7.27	75	4902	0.216 ug/l		89
52) 1,1,2-Trichloroethane	8.07	97	2197	0.217 ug/l		91
53) 1,3-Dichloropropane	8.24	76	4064	0.228 ug/l		94
54) 2-Hexanone	8.37	43	6297	1.000 ug/l		78
55) Dibromochloromethane	8.48	129	3561	0.247 ug/l		91
56) 1,2-Dibromoethane	8.59	107	2139	0.206 ug/l		93
58) Tetrachloroethene	8.22	164	3819	0.259 ug/l	#	83
59) Chlorobenzene	9.12	112	9386	0.236 ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.21	131	3544	0.241 ug/l		93
61) Pentachloroethane	11.10	117	2467	0.216 ug/l		82
62) Hexachloroethane	12.14	117	2796	0.224 ug/l		85
63) Ethyl Benzene	9.25	91	16241	0.235 ug/l		93
64) m/p-Xylenes	9.38	106	12064	0.449 ug/l		90
65) o-Xylene	9.78	106	6277	0.238 ug/l		83
66) Styrene	9.79	104	9821	0.223 ug/l		92
67) Bromoform	9.96	173	2132	0.238 ug/l	#	99
69) Isopropylbenzene	10.16	105	15817	0.224 ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.46	83	3498	0.269 ug/l		96
71) 1,2,3-Trichloropropane	10.49	75	2568m	0.288 ug/l		
72) Bromobenzene	10.45	156	4000	0.234 ug/l		87
73) n-propylbenzene	10.59	120	4311	0.219 ug/l		87
74) 2-Chlorotoluene	10.67	126	3955	0.236 ug/l		80
75) 1,3,5-Trimethylbenzene	10.77	105	13379	0.220 ug/l		94
76) 4-Chlorotoluene	10.77	126	4168	0.240 ug/l		74
77) tert-Butylbenzene	11.10	119	13875	0.231 ug/l		92
78) 1,2,4-Trimethylbenzene	11.15	105	14869	0.242 ug/l		100
79) sec-Butylbenzene	11.32	105	17926	0.228 ug/l		97
81) p-Isopropyltoluene	11.48	119	15396	0.231 ug/l		95
82) 1,3-Dichlorobenzene	11.42	146	7973	0.238 ug/l		97
83) 1,4-Dichlorobenzene	11.51	146	8359	0.250 ug/l		96
84) n-Butylbenzene	11.89	91	13834	0.226 ug/l		95
85) 1,2-Dichlorobenzene	11.88	146	7408	0.234 ug/l		97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	458m	0.189 ug/l		
87) 1,2,4-Trichlorobenzene	13.51	180	5091	0.229 ug/l		88
88) Hexachlorobutadiene	13.69	225	3413	0.265 ug/l		97
89) Naphthalene	13.75	128	8450	0.224 ug/l	#	94
90) 1,2,3-Trichlorobenzene	13.99	180	4411	0.217 ug/l	#	80

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

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