Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031019\
Data File : VU029877.D
Acq On : 08 Mar 2019 10:10
Operator : JC/SP
Sample : MDL06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Manual Integrations APPROVED
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3/11/2019 6:55:33 PM

Quant Time: Mar 08 22:55:19 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)
1) Fluorobenzene	5.74	96	59818	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	19158	0.89	ug/l		0.00
Spiked Amount 1.000			Recovery = 89.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	22356	0.90	ug/l		0.00
Spiked Amount 1.000			Recovery = 90.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	4726	0.236	ug/l		98
3) Chloromethane	1.33	50	5000	0.281	ug/l		93
4) Vinyl Chloride	1.40	62	5167	0.258	ug/l		90
5) Bromomethane	1.63	94	4376	0.320	ug/l		93
6) Chloroethane	1.70	64	3417	0.284	ug/l		96
7) Trichlorofluoromethane	1.88	101	6876	0.252	ug/l		98
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3589	0.226	ug/l		89
9) 1,1-Dichloroethene	2.28	96	4102	0.264	ug/l		98
10) Iodomethane	2.41	142	2406	0.713	ug/l		95
11) Allyl Chloride	2.59	41	5282	0.241	ug/l		96
12) Acrylonitrile	2.93	53	2065	0.609	ug/l		93
13) Acetone	2.32	43	3950	1.406	ug/l		89
14) Carbon Disulfide	2.47	76	12597	0.250	ug/l		95
15) Methylene Chloride	2.69	84	6328	0.339	ug/l		93
16) trans-1,2-Dichloroethene	2.98	96	4147	0.236	ug/l		90
17) 1,1-Dichloroethane	3.44	63	8263	0.281	ug/l		98
18) 2-Butanone	4.29	43	4444	1.164	ug/l		97
19) Cyclohexane	4.99	56	5569m	0.244	ug/l		
20) Methylcyclohexane	6.41	83	6204	0.233	ug/l		95
21) 2,2-Dichloropropane	4.22	77	7445	0.310	ug/l	#	70
22) cis-1,2-Dichloroethene	4.22	96	4816	0.259	ug/l		83
23) Diethyl Ether	2.10	59	2762	0.237	ug/l	#	87
24) tert-Butyl Alcohol	2.83	59	4344	3.610	ug/l		98
25) Methyl tert-Butyl Ether	3.00	73	10159	0.259	ug/l		94
26) Bromochloromethane	4.55	128	1942	0.235	ug/l		91
27) Chloroform	4.67	83	7719	0.259	ug/l		97
28) 1,1,1-Trichloroethane	4.91	97	6559	0.260	ug/l		95
29) 1,1-Dichloropropene	5.13	75	5147	0.229	ug/l		98
30) Carbon Tetrachloride	5.12	117	5237	0.238	ug/l		90
31) Isopropyl Ether	3.58	45	10668	0.263	ug/l		89
32) Ethyl-t-butyl ether	4.07	59	9984	0.253	ug/l		99
33) Tert-Amyl methyl ether	5.59	73	8774	0.241	ug/l		100
34) Propionitrile	4.34	54	968m	0.852	ug/l		
35) Benzene	5.38	78	17702	0.268	ug/l		96
36) 1,2-Dichloroethane	5.41	62	4487	0.249	ug/l		98
37) Trichloroethene	6.19	130	4774	0.247	ug/l		86
38) 1,2-Dichloropropane	6.43	63	3769	0.225	ug/l		89
39) Methacrylonitrile	4.55	41	1184m	0.248	ug/l		
41) Tetrahydrofuran	4.66	42	1368	0.547	ug/l	#	57
42) 1-Chlorobutane	5.06	56	7293	0.254	ug/l		96
43) Dibromomethane	6.56	93	2022	0.233	ug/l		91

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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
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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) Bromodichloromethane	6.76	83	4650	0.218 ug/l		96
45) 4-Methyl-2-Pentanone	7.47	43	9911	1.096 ug/l		96
46) t-1,4-Dichloro-2-butene	10.51	75	1496m	0.396 ug/l		
47) Methyl methacrylate	6.64	69	2987	0.401 ug/l	#	94
49) Toluene	7.64	92	9019	0.222 ug/l		90
50) t-1,3-Dichloropropene	7.89	75	3952	0.212 ug/l	#	87
51) cis-1,3-Dichloropropene	7.28	75	4962	0.215 ug/l	#	89
52) 1,1,2-Trichloroethane	8.07	97	3060	0.238 ug/l		94
53) 1,3-Dichloropropane	8.25	76	5103	0.242 ug/l		99
54) 2-Hexanone	8.37	43	6818	1.086 ug/l		96
55) Dibromochloromethane	8.48	129	3467	0.228 ug/l		98
56) 1,2-Dibromoethane	8.59	107	2903	0.239 ug/l		90
58) Tetrachloroethene	8.22	164	6085	0.309 ug/l		88
59) Chlorobenzene	9.12	112	10826	0.232 ug/l		93
60) 1,1,1,2-Tetrachloroethane	9.21	131	3812	0.228 ug/l		99
61) Pentachloroethane	11.10	117	2570	0.221 ug/l		91
62) Hexachloroethane	12.14	117	2548	0.208 ug/l		97
63) Ethyl Benzene	9.25	91	16665	0.218 ug/l		99
64) m/p-Xylenes	9.37	106	13461	0.446 ug/l		93
65) o-Xylene	9.78	106	6079	0.210 ug/l		89
67) Bromoform	9.96	173	1967	0.220 ug/l	#	95
69) Isopropylbenzene	10.16	105	16666	0.217 ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.46	83	3834	0.245 ug/l	#	94
71) 1,2,3-Trichloropropane	10.49	75	3038m	0.261 ug/l		
72) Bromobenzene	10.45	156	4521	0.222 ug/l		84
73) n-propylbenzene	10.59	120	4378	0.202 ug/l		93
74) 2-Chlorotoluene	10.66	126	4171	0.217 ug/l		93
75) 1,3,5-Trimethylbenzene	10.77	105	13020	0.201 ug/l		99
76) 4-Chlorotoluene	10.77	126	4181	0.214 ug/l		88
77) tert-Butylbenzene	11.10	119	13380	0.209 ug/l		96
79) sec-Butylbenzene	11.32	105	17903	0.211 ug/l		97
82) 1,3-Dichlorobenzene	11.42	146	9347	0.232 ug/l		99
83) 1,4-Dichlorobenzene	11.51	146	8481	0.215 ug/l		92
85) 1,2-Dichlorobenzene	11.88	146	9204	0.242 ug/l		97
88) Hexachlorobutadiene	13.69	225	3647	0.238 ug/l		94
89) Naphthalene	13.75	128	4743	0.554 ug/l		98
90) 1,2,3-Trichlorobenzene	13.99	180	5003m	0.219 ug/l		

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

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