Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU103019\
Data File : VU035551.D
Acq On : 30 Oct 2019 10:33
Operator : JC/SP
Sample : K5111-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

Manual Integrations APPROVED
MMDadoda
10/31/2019 4:09:15 PM

Quant Time: Oct 31 01:38:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102919DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 31 01:26:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.16	96	62613	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.67	95	19042	0.85	ug/l		0.01
Spiked Amount 1.000			Recovery = 85.00%				
68) 1,2-Dichlorobenzene-d4	12.23	152	19271	0.80	ug/l		0.00
Spiked Amount 1.000			Recovery = 80.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.40	85	7349	0.300	ug/l		98
3) Chloromethane	1.54	50	10224	0.340	ug/l		97
4) Vinyl Chloride	1.62	62	8188	0.307	ug/l		91
5) Bromomethane	1.88	94	4238	0.313	ug/l		89
6) Chloroethane	1.96	64	4658	0.304	ug/l		94
7) Trichlorofluoromethane	2.16	101	10418	0.317	ug/l		94
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	5934	0.333	ug/l		96
9) 1,1-Dichloroethene	2.61	96	5634	0.327	ug/l		93
10) Iodomethane	2.75	142	1937	0.231	ug/l		87
11) Allyl Chloride	2.96	41	8328	0.288	ug/l		93
12) Acrylonitrile	3.37	53	2638	0.611	ug/l	#	72
13) Acetone	2.67	43	7654	1.826	ug/l		97
14) Carbon Disulfide	2.83	76	18736	0.308	ug/l		97
15) Methylene Chloride	3.08	84	9770	0.442	ug/l		90
16) trans-1,2-Dichloroethene	3.39	96	6341	0.335	ug/l		85
17) 1,1-Dichloroethane	3.93	63	11596	0.327	ug/l		96
18) 2-Butanone	4.79	43	5815	1.070	ug/l		96
19) Cyclohexane	5.43	56	7569m	0.269	ug/l		
20) Methylcyclohexane	6.80	83	7580	0.263	ug/l		94
21) 2,2-Dichloropropane	4.72	77	9813	0.321	ug/l		91
22) cis-1,2-Dichloroethene	4.72	96	5956	0.294	ug/l		99
23) Diethyl Ether	2.41	59	4391	0.309	ug/l		98
24) tert-Butyl Alcohol	3.24	59	19708	12.462	ug/l	#	78
25) Methyl tert-Butyl Ether	3.43	73	14397	0.312	ug/l	#	86
26) Bromochloromethane	5.03	128	2666	0.295	ug/l		92
27) Chloroform	5.14	83	15189	0.401	ug/l		93
28) 1,1,1-Trichloroethane	5.36	97	9541	0.318	ug/l		98
29) 1,1-Dichloropropene	5.57	75	6893	0.274	ug/l	#	92
30) Carbon Tetrachloride	5.57	117	7616	0.285	ug/l		92
31) Isopropyl Ether	4.06	45	14227	0.287	ug/l		87
32) Ethyl-t-butyl ether	4.57	59	12749	0.278	ug/l		96
33) Tert-Amyl methyl ether	6.00	73	10454	0.265	ug/l		99
34) Propionitrile	4.86	54	2180	1.385	ug/l	#	88
35) Benzene	5.82	78	21916	0.285	ug/l		94
36) 1,2-Dichloroethane	5.84	62	6720	0.305	ug/l	#	84
37) Trichloroethene	6.58	130	6045	0.283	ug/l		91
38) 1,2-Dichloropropane	6.84	63	6266	0.298	ug/l		96
39) Methacrylonitrile	5.04	41	1480	0.250	ug/l	#	86
40) Methyl acrylate	4.92	55	2385	0.265	ug/l	#	71
41) Tetrahydrofuran	5.14	42	1765	0.581	ug/l	#	44
42) 1-Chlorobutane	5.51	56	8517	0.246	ug/l		85

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102919DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 31 01:26:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.96	93	3315	0.315 ug/l		93
44) Bromodichloromethane	7.15	83	7934	0.303 ug/l	#	95
45) 4-Methyl-2-Pentanone	7.85	43	15750	1.404 ug/l		93
46) t-1,4-Dichloro-2-butene	10.89	75	2400m	0.589 ug/l		
47) Methyl methacrylate	7.02	69	3384	0.388 ug/l	#	84
48) Ethyl methacrylate	8.39	69	3450m	0.227 ug/l		
49) Toluene	8.01	92	10316	0.234 ug/l		96
50) t-1,3-Dichloropropene	8.25	75	5956m	0.257 ug/l		
51) cis-1,3-Dichloropropene	7.65	75	7097	0.258 ug/l		97
52) 1,1,2-Trichloroethane	8.44	97	4683	0.318 ug/l		93
53) 1,3-Dichloropropane	8.61	76	6272	0.251 ug/l		96
54) 2-Hexanone	8.77	43	7669	0.962 ug/l		96
55) Dibromochloromethane	8.84	129	5579	0.310 ug/l		94
56) 1,2-Dibromoethane	8.96	107	3783	0.281 ug/l		86
58) Tetrachloroethene	8.59	164	5482	0.280 ug/l		93
59) Chlorobenzene	9.48	112	13486	0.265 ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.57	131	5788	0.296 ug/l		96
61) Pentachloroethane	11.46	117	4741	0.297 ug/l		94
62) Hexachloroethane	12.50	117	4494	0.308 ug/l		98
63) Ethyl Benzene	9.60	91	18206	0.230 ug/l		98
64) m/p-Xylenes	9.73	106	13017	0.417 ug/l	#	30
67) Bromoform	10.32	173	3228	0.289 ug/l	#	94
69) Isopropylbenzene	10.52	105	16379	0.208 ug/l		96
70) 1,1,2,2-Tetrachloroethane	10.82	83	6101	0.310 ug/l	#	77
71) 1,2,3-Trichloropropane	10.86	75	3401	0.230 ug/l		91
72) Bromobenzene	10.82	156	5462	0.249 ug/l		88
77) tert-Butylbenzene	11.46	119	14129	0.213 ug/l		95
80) Nitrobenzene	13.24	77	328	0.498 ug/l	#	41
82) 1,3-Dichlorobenzene	11.79	146	8847	0.212 ug/l		98
83) 1,4-Dichlorobenzene	11.87	146	8157	0.204 ug/l		97
85) 1,2-Dichlorobenzene	12.25	146	8552	0.218 ug/l		97
86) 1,2-Dibromo-3-Chloropropan	13.03	75	606	0.242 ug/l	#	87
88) Hexachlorobutadiene	14.04	225	3749	0.256 ug/l		95

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

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