Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU033119\
Data File : VU030566.D
Acq On : 30 Mar 2019 09:54
Operator : JC/SP
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
MMDadoda
4/5/2019 2:37:51 PM

Quant Time: Mar 31 00:51:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U033119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sun Mar 31 00:38:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	51535	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	26782	1.41	ug/l	0.00
Spiked Amount 1.000			Recovery = 141.00%			
68) 1,2-Dichlorobenzene-d4	11.86	152	16712	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery = 80.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	11857	0.605	ug/l	98
3) Chloromethane	1.32	50	17563	0.782	ug/l	100
4) Vinyl Chloride	1.40	62	12850	0.659	ug/l	92
5) Bromomethane	1.63	94	7050	0.663	ug/l	85
6) Chloroethane	1.70	64	9984	0.894	ug/l	89
7) Trichlorofluoromethane	1.88	101	15026	0.611	ug/l	94
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	7901	0.600	ug/l	98
9) 1,1-Dichloroethene	2.28	96	7256	0.555	ug/l	89
10) Iodomethane	2.41	142	5414	0.482	ug/l	91
11) Allyl Chloride	2.59	41	16443	0.812	ug/l	95
12) Acrylonitrile	2.94	53	4839	1.628	ug/l	91
13) Acetone	2.33	43	11733	4.463	ug/l	96
14) Carbon Disulfide	2.47	76	29550	0.643	ug/l	98
15) Methylene Chloride	2.69	84	11177	0.713	ug/l	88
16) trans-1,2-Dichloroethene	2.97	96	9072	0.604	ug/l	94
17) 1,1-Dichloroethane	3.44	63	18265	0.694	ug/l	97
18) 2-Butanone	4.30	43	12797	3.509	ug/l	94
19) Cyclohexane	4.98	56	14000m	0.618	ug/l	
20) Methylcyclohexane	6.41	83	11886	0.497	ug/l	95
21) 2,2-Dichloropropane	4.22	77	13321	0.610	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	8340	0.501	ug/l	93
23) Diethyl Ether	2.10	59	6981	0.683	ug/l #	84
24) tert-Butyl Alcohol	2.86	59	7237	6.634	ug/l	97
25) Methyl tert-Butyl Ether	3.00	73	20173	0.594	ug/l	99
26) Bromochloromethane	4.55	128	3550	0.496	ug/l	95
27) Chloroform	4.67	83	15711	0.575	ug/l	98
28) 1,1,1-Trichloroethane	4.90	97	13544	0.607	ug/l	96
29) 1,1-Dichloropropene	5.13	75	11649	0.575	ug/l	95
30) Carbon Tetrachloride	5.13	117	11044	0.559	ug/l	97
31) Isopropyl Ether	3.58	45	26641	0.692	ug/l	94
32) Ethyl-t-butyl ether	4.07	59	20539	0.576	ug/l	97
33) Tert-Amyl methyl ether	5.58	73	15147	0.473	ug/l	98
34) Propionitrile	4.36	54	2864	2.833	ug/l #	74
35) Benzene	5.39	78	33254	0.559	ug/l	96
36) 1,2-Dichloroethane	5.41	62	11125	0.680	ug/l	99
37) Trichloroethene	6.18	130	8043	0.485	ug/l	97
38) 1,2-Dichloropropane	6.43	63	9892	0.643	ug/l	89
39) Methacrylonitrile	4.56	41	2794	0.621	ug/l #	91
40) Methyl acrylate	4.45	55	3366	0.492	ug/l #	76
41) Tetrahydrofuran	4.67	42	3112	1.274	ug/l #	65
42) 1-Chlorobutane	5.06	56	16984	0.619	ug/l	93

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U033119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Sun Mar 31 00:38:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.56	93	4264	0.547 ug/l		96
44) Bromodichloromethane	6.76	83	11344	0.602 ug/l		94
45) 4-Methyl-2-Pentanone	7.47	43	26833	3.265 ug/l		93
46) t-1,4-Dichloro-2-butene	10.51	75	3198m	1.062 ug/l		
47) Methyl methacrylate	6.64	69	6045	0.915 ug/l		92
48) Ethyl methacrylate	8.04	69	5178	0.418 ug/l		95
49) Toluene	7.64	92	17340	0.490 ug/l		98
50) t-1,3-Dichloropropene	7.89	75	8479	0.505 ug/l	#	87
51) cis-1,3-Dichloropropene	7.27	75	11240	0.537 ug/l		99
52) 1,1,2-Trichloroethane	8.07	97	5806	0.532 ug/l		95
53) 1,3-Dichloropropane	8.24	76	10762	0.580 ug/l		100
54) 2-Hexanone	8.38	43	22010	3.756 ug/l		88
55) Dibromochloromethane	8.48	129	6250	0.481 ug/l		93
56) 1,2-Dibromoethane	8.59	107	5406	0.520 ug/l		98
58) Tetrachloroethene	8.22	164	7501	0.499 ug/l		98
59) Chlorobenzene	9.12	112	20507	0.512 ug/l		95
60) 1,1,1,2-Tetrachloroethane	9.21	131	6840	0.487 ug/l		99
61) Pentachloroethane	11.10	117	5613	0.513 ug/l		97
62) Hexachloroethane	12.14	117	4661	0.435 ug/l		92
63) Ethyl Benzene	9.25	91	30625	0.459 ug/l		97
64) m/p-Xylenes	9.37	106	21709	0.842 ug/l		89
65) o-Xylene	9.78	106	10727	0.424 ug/l		94
66) Styrene	9.79	104	16177	0.387 ug/l		97
67) Bromoform	9.95	173	3612	0.491 ug/l	#	96
69) Isopropylbenzene	10.16	105	29153	0.438 ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.45	83	7561	0.553 ug/l		98
71) 1,2,3-Trichloropropane	10.49	75	6167m	0.622 ug/l		
72) Bromobenzene	10.45	156	7374	0.432 ug/l		77
73) n-propylbenzene	10.59	120	7129	0.382 ug/l		98
74) 2-Chlorotoluene	10.66	126	6367	0.388 ug/l		85
75) 1,3,5-Trimethylbenzene	10.77	105	21334	0.378 ug/l		100
76) 4-Chlorotoluene	10.77	126	6799	0.408 ug/l		94
77) tert-Butylbenzene	11.10	119	21728	0.395 ug/l		97
78) 1,2,4-Trimethylbenzene	11.15	105	22557	0.394 ug/l		91
79) sec-Butylbenzene	11.32	105	29640	0.402 ug/l		97
81) p-Isopropyltoluene	11.47	119	21059	0.345 ug/l		96
82) 1,3-Dichlorobenzene	11.42	146	15513	0.451 ug/l		98
83) 1,4-Dichlorobenzene	11.51	146	14166	0.409 ug/l		93
84) n-Butylbenzene	11.89	91	20911	0.364 ug/l		94
85) 1,2-Dichlorobenzene	11.88	146	15532	0.484 ug/l		99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1003	0.510 ug/l	#	80
87) 1,2,4-Trichlorobenzene	13.50	180	6515	0.290 ug/l		99
88) Hexachlorobutadiene	13.69	225	5498	0.442 ug/l		96
89) Naphthalene	13.75	128	8129	0.230 ug/l		94
90) 1,2,3-Trichlorobenzene	13.99	180	6589	0.322 ug/l		97

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

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