Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040219\
Data File : VU030614.D
Acq On : 02 Apr 2019 22:08
Operator : JC/SP
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
MMDadoda
4/3/2019 11:43:46 AM

Quant Time: Apr 03 02:18:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U040219DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Apr 03 01:47:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.74	96	34562	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	10458	0.82	ug/l		0.00
Spiked Amount 1.000			Recovery = 82.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	11321	0.80	ug/l		0.00
Spiked Amount 1.000			Recovery = 80.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	7604	0.584	ug/l		91
3) Chloromethane	1.33	50	9171	0.621	ug/l		96
4) Vinyl Chloride	1.40	62	8615	0.661	ug/l		94
5) Bromomethane	1.63	94	4516	0.629	ug/l		99
6) Chloroethane	1.70	64	4751	0.636	ug/l		99
7) Trichlorofluoromethane	1.88	101	9417	0.566	ug/l		100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4908	0.551	ug/l		95
9) 1,1-Dichloroethene	2.28	96	4587	0.522	ug/l		77
10) Iodomethane	2.41	142	5913	0.720	ug/l		96
11) Allyl Chloride	2.59	41	9794	0.717	ug/l		93
12) Acrylonitrile	2.94	53	3145	1.518	ug/l	#	90
13) Acetone	2.32	43	8490	4.646	ug/l		99
14) Carbon Disulfide	2.47	76	18492	0.600	ug/l		98
15) Methylene Chloride	2.69	84	7579	0.718	ug/l		94
16) trans-1,2-Dichloroethene	2.98	96	5473	0.542	ug/l		96
17) 1,1-Dichloroethane	3.44	63	11289	0.637	ug/l		96
18) 2-Butanone	4.29	43	9030	3.546	ug/l		97
19) Cyclohexane	4.99	56	8865m	0.584	ug/l		
20) Methylcyclohexane	6.41	83	6777	0.425	ug/l		94
21) 2,2-Dichloropropane	4.22	77	8674	0.588	ug/l		95
22) cis-1,2-Dichloroethene	4.23	96	5585m	0.497	ug/l		
23) Diethyl Ether	2.11	59	4736	0.682	ug/l		95
24) tert-Butyl Alcohol	2.83	59	5476	7.122	ug/l		95
25) Methyl tert-Butyl Ether	3.00	73	14963	0.649	ug/l		99
26) Bromochloromethane	4.55	128	2420	0.495	ug/l		96
27) Chloroform	4.67	83	10194	0.556	ug/l		100
28) 1,1,1-Trichloroethane	4.90	97	8420	0.561	ug/l		94
29) 1,1-Dichloropropene	5.14	75	6968	0.511	ug/l		96
30) Carbon Tetrachloride	5.13	117	7715	0.577	ug/l		97
31) Isopropyl Ether	3.58	45	18599	0.717	ug/l		96
32) Ethyl-t-butyl ether	4.08	59	14617	0.608	ug/l	#	64
33) Tert-Amyl methyl ether	5.58	73	10997	0.510	ug/l		97
34) Propionitrile	4.35	54	1946m	2.797	ug/l		
35) Benzene	5.39	78	20919	0.525	ug/l		95
36) 1,2-Dichloroethane	5.41	62	6654	0.601	ug/l	#	91
37) Trichloroethene	6.19	130	5424	0.487	ug/l		92
38) 1,2-Dichloropropane	6.44	63	6671	0.643	ug/l	#	84
39) Methacrylonitrile	4.57	41	2376	0.764	ug/l	#	75
40) Methyl acrylate	4.46	55	2037m	0.432	ug/l		
41) Tetrahydrofuran	4.66	42	2914	1.698	ug/l	#	71
42) 1-Chlorobutane	5.06	56	11285	0.612	ug/l		99

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.56	93	2716	0.514 ug/l		87
44) Bromodichloromethane	6.76	83	7518	0.591 ug/l	#	97
45) 4-Methyl-2-Pentanone	7.47	43	18519	3.234 ug/l		99
46) t-1,4-Dichloro-2-butene	10.52	75	2052m	0.983 ug/l		
47) Methyl methacrylate	6.64	69	4073	0.896 ug/l	#	89
48) Ethyl methacrylate	8.03	69	4086	0.485 ug/l		92
49) Toluene	7.64	92	10720	0.453 ug/l		87
50) t-1,3-Dichloropropene	7.89	75	6021	0.530 ug/l		96
51) cis-1,3-Dichloropropene	7.27	75	7409	0.524 ug/l		97
52) 1,1,2-Trichloroethane	8.07	97	4267	0.574 ug/l	#	91
53) 1,3-Dichloropropane	8.24	76	7026	0.557 ug/l		98
54) 2-Hexanone	8.38	43	10827	2.665 ug/l		95
55) Dibromochloromethane	8.48	129	4261	0.482 ug/l		93
56) 1,2-Dibromoethane	8.59	107	3411	0.481 ug/l		92
58) Tetrachloroethene	8.22	164	4399	0.438 ug/l	#	85
59) Chlorobenzene	9.12	112	12719	0.476 ug/l		94
60) 1,1,1,2-Tetrachloroethane	9.21	131	4743	0.498 ug/l		96
61) Pentachloroethane	11.10	117	3426	0.466 ug/l		98
62) Hexachloroethane	12.14	117	3326	0.457 ug/l		93
63) Ethyl Benzene	9.25	91	18490	0.416 ug/l		99
64) m/p-Xylenes	9.37	106	12342	0.718 ug/l		92
65) o-Xylene	9.78	106	6494	0.386 ug/l		94
66) Styrene	9.80	104	11099	0.399 ug/l		97
67) Bromoform	9.96	173	2556	0.510 ug/l	#	88
69) Isopropylbenzene	10.16	105	17348	0.393 ug/l		97
70) 1,1,2,2-Tetrachloroethane	10.46	83	5325	0.573 ug/l		87
71) 1,2,3-Trichloropropane	10.49	75	4009m	0.573 ug/l		
72) Bromobenzene	10.45	156	4723	0.414 ug/l		95
73) n-propylbenzene	10.58	120	4610	0.372 ug/l		96
74) 2-Chlorotoluene	10.66	126	4371	0.402 ug/l		99
75) 1,3,5-Trimethylbenzene	10.77	105	13647	0.363 ug/l		96
76) 4-Chlorotoluene	10.77	126	4279	0.386 ug/l		93
77) tert-Butylbenzene	11.10	119	15084	0.412 ug/l		97
78) 1,2,4-Trimethylbenzene	11.15	105	14534	0.380 ug/l		100
79) sec-Butylbenzene	11.32	105	20230	0.412 ug/l		99
81) p-Isopropyltoluene	11.47	119	14553	0.356 ug/l		98
82) 1,3-Dichlorobenzene	11.42	146	9636	0.420 ug/l		97
83) 1,4-Dichlorobenzene	11.51	146	8988	0.389 ug/l		97
84) n-Butylbenzene	11.89	91	14738	0.380 ug/l		96
85) 1,2-Dichlorobenzene	11.88	146	9292	0.434 ug/l		95
86) 1,2-Dibromo-3-Chloropropan	12.66	75	559	0.413 ug/l	#	66
87) 1,2,4-Trichlorobenzene	13.51	180	5175	0.343 ug/l		93
88) Hexachlorobutadiene	13.69	225	3194	0.387 ug/l		93
89) Naphthalene	13.75	128	7716	0.323 ug/l		99
90) 1,2,3-Trichlorobenzene	13.99	180	4797	0.347 ug/l		99

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

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