Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071119\
Data File : VU033195.D
Acq On : 11 Jul 2019 16:26
Operator : JC/SP
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
MMDadoda
7/16/2019 4:03:04 PM

Quant Time: Jul 12 04:20:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U071119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 12 04:10:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.72	96	29822	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.29	95	10358	0.88	ug/l		0.00
Spiked Amount 1.000			Recovery = 88.00%				
68) 1,2-Dichlorobenzene-d4	11.85	152	11534	0.95	ug/l		0.00
Spiked Amount 1.000			Recovery = 95.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	6411	0.517	ug/l		98
3) Chloromethane	1.32	50	7618	0.539	ug/l		94
4) Vinyl Chloride	1.40	62	7802	0.520	ug/l		99
5) Bromomethane	1.62	94	5518	0.661	ug/l		100
6) Chloroethane	1.69	64	4780	0.508	ug/l		100
7) Trichlorofluoromethane	1.88	101	10138	0.499	ug/l		97
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	5457	0.532	ug/l		95
9) 1,1-Dichloroethene	2.27	96	5670	0.545	ug/l		98
10) Iodomethane	2.40	142	4287	0.308	ug/l		99
11) Allyl Chloride	2.58	41	8946	0.499	ug/l		90
12) Acrylonitrile	2.92	53	2790	0.962	ug/l	#	82
13) Acetone	2.31	43	7826	3.051	ug/l		96
14) Carbon Disulfide	2.46	76	20074	0.521	ug/l		99
15) Methylene Chloride	2.68	84	8746	0.652	ug/l		99
16) trans-1,2-Dichloroethene	2.96	96	6340	0.530	ug/l		95
17) 1,1-Dichloroethane	3.42	63	8771	0.498	ug/l		100
18) 2-Butanone	4.26	43	6472	2.815	ug/l		93
19) Cyclohexane	4.96	56	6250m	0.470	ug/l		
20) Methylcyclohexane	6.39	83	6286	0.477	ug/l		93
21) 2,2-Dichloropropane	4.20	77	7579	0.493	ug/l		95
22) cis-1,2-Dichloroethene	4.20	96	4801	0.492	ug/l		95
23) Diethyl Ether	2.09	59	4985	0.567	ug/l		93
24) tert-Butyl Alcohol	2.82	59	5958	5.326	ug/l	#	82
25) Methyl tert-Butyl Ether	2.98	73	15455	0.521	ug/l		93
26) Bromochloromethane	4.52	128	2214	0.509	ug/l		98
27) Chloroform	4.65	83	10895	0.554	ug/l		99
28) 1,1,1-Trichloroethane	4.89	97	7717	0.501	ug/l		98
29) 1,1-Dichloropropene	5.11	75	6098	0.478	ug/l		98
30) Carbon Tetrachloride	5.11	117	6833	0.496	ug/l		92
31) Isopropyl Ether	3.56	45	11383	0.489	ug/l		89
32) Ethyl-t-butyl ether	4.05	59	10826	0.488	ug/l		100
33) Tert-Amyl methyl ether	5.56	73	9390	0.470	ug/l		98
34) Propionitrile	4.33	54	1640	2.464	ug/l	#	90
35) Benzene	5.36	78	18306	0.494	ug/l		100
36) 1,2-Dichloroethane	5.39	62	6173	0.516	ug/l		95
37) Trichloroethene	6.17	130	4815	0.503	ug/l		88
38) 1,2-Dichloropropane	6.41	63	4987	0.489	ug/l		96
39) Methacrylonitrile	4.54	41	1516	0.549	ug/l	#	88
40) Methyl acrylate	4.41	55	1914m	0.460	ug/l		
41) Tetrahydrofuran	4.64	42	1509	1.071	ug/l	#	88
42) 1-Chlorobutane	5.04	56	8293	0.479	ug/l		97

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Quant Time: Jul 12 04:20:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U071119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.54	93	2610	0.487 ug/l		95
44) Bromodichloromethane	6.74	83	6796	0.510 ug/l		96
45) 4-Methyl-2-Pentanone	7.45	43	13713	2.414 ug/l		97
46) t-1,4-Dichloro-2-butene	10.50	75	1774m	0.692 ug/l		
47) Methyl methacrylate	6.61	69	3592	0.864 ug/l		98
48) Ethyl methacrylate	8.01	69	3446	0.448 ug/l		99
49) Toluene	7.62	92	9789	0.448 ug/l		100
50) t-1,3-Dichloropropene	7.87	75	5320	0.463 ug/l		99
51) cis-1,3-Dichloropropene	7.25	75	6199	0.458 ug/l		95
52) 1,1,2-Trichloroethane	8.05	97	3515	0.476 ug/l		93
53) 1,3-Dichloropropane	8.22	76	5925	0.478 ug/l		97
54) 2-Hexanone	8.35	43	9125	2.358 ug/l		94
55) Dibromochloromethane	8.46	129	4036	0.468 ug/l		97
56) 1,2-Dibromoethane	8.57	107	3157	0.468 ug/l		96
58) Tetrachloroethene	8.21	164	4300	0.491 ug/l		94
59) Chlorobenzene	9.10	112	11309	0.465 ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.19	131	4461	0.479 ug/l		93
61) Pentachloroethane	11.09	117	3148	0.416 ug/l		96
62) Hexachloroethane	12.13	117	3095	0.426 ug/l		97
63) Ethyl Benzene	9.23	91	17135	0.428 ug/l		96
64) m/p-Xylenes	9.36	106	12731	0.816 ug/l		94
65) o-Xylene	9.76	106	6252	0.417 ug/l		97
66) Styrene	9.77	104	10152	0.402 ug/l		96
67) Bromoform	9.94	173	2311	0.490 ug/l	#	96
69) Isopropylbenzene	10.15	105	15750	0.403 ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.44	83	5062	0.518 ug/l		99
71) 1,2,3-Trichloropropane	10.48	75	4127m	0.587 ug/l		
72) Bromobenzene	10.43	156	4341	0.435 ug/l		92
73) n-propylbenzene	10.57	120	4121	0.379 ug/l		82
74) 2-Chlorotoluene	10.64	126	4285	0.431 ug/l		90
75) 1,3,5-Trimethylbenzene	10.76	105	12588	0.363 ug/l		95
76) 4-Chlorotoluene	10.76	126	4082	0.391 ug/l		92
77) tert-Butylbenzene	11.08	119	13305	0.403 ug/l		92
78) 1,2,4-Trimethylbenzene	11.13	105	12948	0.369 ug/l		99
79) sec-Butylbenzene	11.31	105	18237	0.404 ug/l		97
80) Nitrobenzene	12.86	77	460	1.904 ug/l	#	54
81) p-Isopropyltoluene	11.46	119	13902	0.382 ug/l		95
82) 1,3-Dichlorobenzene	11.40	146	9523	0.454 ug/l		99
83) 1,4-Dichlorobenzene	11.49	146	9412	0.455 ug/l		92
84) n-Butylbenzene	11.87	91	14948	0.421 ug/l		95
85) 1,2-Dichlorobenzene	11.86	146	9220	0.475 ug/l		98
86) 1,2-Dibromo-3-Chloropropan	12.64	75	731	0.485 ug/l	#	87
87) 1,2,4-Trichlorobenzene	13.49	180	5090	0.476 ug/l		95
88) Hexachlorobutadiene	13.68	225	3434	0.495 ug/l		93
89) Naphthalene	13.73	128	8580	0.478 ug/l		99
90) 1,2,3-Trichlorobenzene	13.97	180	5038	0.484 ug/l		97

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

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