Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU012919\
Data File : VU029303.D
Acq On : 29 Jan 2019 16:11
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
1/30/2019 12:49:20 PM

Quant Time: Jan 30 09:14:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U012919DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jan 30 03:57:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.74	96	7455	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.30	95	2775	0.96	ug/l		0.00
Spiked Amount 1.000			Recovery = 96.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	2888	1.00	ug/l		0.00
Spiked Amount 1.000			Recovery = 100.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	1553	0.450	ug/l		99
3) Chloromethane	1.32	50	1557	0.559	ug/l		98
4) Vinyl Chloride	1.39	62	1502	0.523	ug/l		96
5) Bromomethane	1.62	94	1187	0.659	ug/l		97
6) Chloroethane	1.69	64	1043m	0.507	ug/l		
7) Trichlorofluoromethane	1.88	101	2745	0.516	ug/l		95
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	1168	0.525	ug/l		92
9) 1,1-Dichloroethene	2.27	96	1116	0.542	ug/l		99
10) Iodomethane	2.40	142	562	0.743	ug/l		87
11) Allyl Chloride	2.58	41	2355	0.484	ug/l		88
12) Acrylonitrile	2.92	53	630	1.016	ug/l		95
13) Acetone	2.31	43	2493	3.248	ug/l		98
14) Carbon Disulfide	2.47	76	4027	0.543	ug/l		96
15) Methylene Chloride	2.69	84	1832	0.673	ug/l		99
16) trans-1,2-Dichloroethene	2.97	96	1243	0.537	ug/l		98
17) 1,1-Dichloroethane	3.43	63	2882	0.575	ug/l	#	85
18) 2-Butanone	4.28	43	1873	2.377	ug/l		78
19) Cyclohexane	4.98	56	1742	0.549	ug/l	#	78
20) Methylcyclohexane	6.41	83	1513	0.446	ug/l		90
21) 2,2-Dichloropropane	4.22	77	2359	0.520	ug/l	#	79
22) cis-1,2-Dichloroethene	4.22	96	1144	0.469	ug/l		91
23) Diethyl Ether	2.09	59	1131	0.546	ug/l		96
24) tert-Butyl Alcohol	2.82	59	1263	4.869	ug/l	#	80
25) Methyl tert-Butyl Ether	2.99	73	3437	0.492	ug/l		90
26) Bromochloromethane	4.54	128	407	0.408	ug/l		82
27) Chloroform	4.67	83	2450	0.488	ug/l		92
28) 1,1,1-Trichloroethane	4.91	97	2253	0.480	ug/l		96
29) 1,1-Dichloropropene	5.12	75	1605	0.464	ug/l	#	93
30) Carbon Tetrachloride	5.13	117	2082	0.508	ug/l	#	82
31) Isopropyl Ether	3.57	45	3779	0.515	ug/l		97
32) Ethyl-t-butyl ether	4.06	59	3465	0.514	ug/l		94
33) Tert-Amyl methyl ether	5.58	73	2791	0.488	ug/l	#	93
35) Benzene	5.38	78	4760	0.501	ug/l		97
36) 1,2-Dichloroethane	5.40	62	1881	0.478	ug/l	#	82
37) Trichloroethene	6.18	130	1146	0.479	ug/l		92
38) 1,2-Dichloropropane	6.43	63	1305	0.502	ug/l	#	87
42) 1-Chlorobutane	5.05	56	2644	0.499	ug/l		95
43) Dibromomethane	6.55	93	617	0.475	ug/l	#	80
44) Bromodichloromethane	6.75	83	1896	0.502	ug/l	#	97
45) 4-Methyl-2-Pentanone	7.46	43	3920	2.184	ug/l	#	92
46) t-1,4-Dichloro-2-butene	10.52	75	447m	0.739	ug/l		

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U012919DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) Methyl methacrylate	6.63	69	862	0.786	ug/l		94
48) Ethyl methacrylate	8.02	69	838	0.401	ug/l		93
49) Toluene	7.63	92	2556	0.463	ug/l		94
50) t-1,3-Dichloropropene	7.88	75	1430	0.443	ug/l		100
51) cis-1,3-Dichloropropene	7.27	75	1631	0.458	ug/l		97
52) 1,1,2-Trichloroethane	8.07	97	815	0.479	ug/l		94
53) 1,3-Dichloropropane	8.24	76	1534	0.481	ug/l		97
54) 2-Hexanone	8.37	43	2867	2.257	ug/l		85
55) Dibromochloromethane	8.48	129	1048	0.457	ug/l		94
56) 1,2-Dibromoethane	8.58	107	713	0.456	ug/l		99
58) Tetrachloroethene	8.22	164	1061	0.467	ug/l		92
59) Chlorobenzene	9.12	112	2882	0.481	ug/l		91
60) 1,1,1,2-Tetrachloroethane	9.21	131	1278	0.516	ug/l		93
61) Pentachloroethane	11.10	117	971	0.509	ug/l		93
62) Hexachloroethane	12.14	117	912	0.498	ug/l		84
63) Ethyl Benzene	9.25	91	4759	0.454	ug/l		96
64) m/p-Xylenes	9.37	106	3375	0.857	ug/l		99
65) o-Xylene	9.78	106	1697	0.449	ug/l		94
66) Styrene	9.79	104	2685	0.413	ug/l		99
67) Bromoform	9.96	173	574	0.433	ug/l	#	89
69) Isopropylbenzene	10.16	105	4549	0.435	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.46	83	1101	0.484	ug/l	#	94
71) 1,2,3-Trichloropropane	10.49	75	1026m	0.533	ug/l		
72) Bromobenzene	10.45	156	1167	0.453	ug/l		95
73) n-propylbenzene	10.59	120	1229	0.437	ug/l		100
74) 2-Chlorotoluene	10.66	126	1057	0.431	ug/l		83
75) 1,3,5-Trimethylbenzene	10.77	105	3768	0.407	ug/l		98
76) 4-Chlorotoluene	10.77	126	1092	0.420	ug/l		96
77) tert-Butylbenzene	11.10	119	3959	0.445	ug/l		100
78) 1,2,4-Trimethylbenzene	11.14	105	4085	0.433	ug/l		98
79) sec-Butylbenzene	11.32	105	4853	0.417	ug/l		96
81) p-Isopropyltoluene	11.48	119	3912	0.397	ug/l		99
82) 1,3-Dichlorobenzene	11.42	146	2566	0.480	ug/l		92
83) 1,4-Dichlorobenzene	11.51	146	2542	0.472	ug/l		91
84) n-Butylbenzene	11.89	91	3828	0.400	ug/l		91
85) 1,2-Dichlorobenzene	11.88	146	2158	0.446	ug/l		96
86) 1,2-Dibromo-3-Chloropropan	12.66	75	138	0.310	ug/l	#	60
87) 1,2,4-Trichlorobenzene	13.50	180	1344	0.411	ug/l	#	93
88) Hexachlorobutadiene	13.69	225	914	0.438	ug/l		97
89) Naphthalene	13.75	128	2012	0.383	ug/l	#	85
90) 1,2,3-Trichlorobenzene	13.99	180	1300	0.427	ug/l	#	95

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

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