Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112618\
Data File : VU028327.D
Acq On : 26 Nov 2018 09:50
Operator : MD/SY
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
11/30/2018 1:29:12 PM

Quant Time: Nov 27 00:56:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Nov 27 00:37:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.74	96	53117	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	16915	0.87	ug/l		0.00
Spiked Amount 1.000			Recovery = 87.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	16502	0.91	ug/l		0.00
Spiked Amount 1.000			Recovery = 91.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	10154	0.531	ug/l		93
3) Chloromethane	1.32	50	21349	0.656	ug/l		99
4) Vinyl Chloride	1.40	62	11872	0.533	ug/l		93
5) Bromomethane	1.63	94	5137	0.586	ug/l		92
6) Chloroethane	1.70	64	7211	0.555	ug/l		97
7) Trichlorofluoromethane	1.89	101	12732	0.524	ug/l		96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	7094	0.507	ug/l		95
9) 1,1-Dichloroethene	2.28	96	6779	0.524	ug/l		87
10) Iodomethane	2.41	142	3984	0.456	ug/l		94
11) Allyl Chloride	2.59	41	16739	0.513	ug/l		94
12) Acrylonitrile	2.96	53	4379	1.063	ug/l		94
13) Acetone	2.35	43	12128	3.177	ug/l		97
14) Carbon Disulfide	2.48	76	26463	0.539	ug/l	#	93
15) Methylene Chloride	2.70	84	9392	0.596	ug/l		93
16) trans-1,2-Dichloroethene	2.98	96	7717	0.533	ug/l		98
17) 1,1-Dichloroethane	3.44	63	17068	0.529	ug/l		99
18) 2-Butanone	4.30	43	14830	2.600	ug/l		97
19) Cyclohexane	4.99	56	14437	0.515	ug/l		99
20) Methylcyclohexane	6.41	83	13658	0.498	ug/l		97
21) 2,2-Dichloropropane	4.22	77	14016	0.541	ug/l		98
22) cis-1,2-Dichloroethene	4.22	96	8470	0.500	ug/l		95
23) Diethyl Ether	2.11	59	6614	0.510	ug/l		96
24) tert-Butyl Alcohol	2.87	59	5963m	4.755	ug/l		
25) Methyl tert-Butyl Ether	3.01	73	19527	0.508	ug/l		99
26) Bromochloromethane	4.55	128	3490	0.541	ug/l		93
27) Chloroform	4.67	83	17618	0.566	ug/l		96
28) 1,1,1-Trichloroethane	4.91	97	12490	0.514	ug/l		98
29) 1,1-Dichloropropene	5.13	75	11743	0.504	ug/l		96
30) Carbon Tetrachloride	5.13	117	10505	0.535	ug/l		95
31) Isopropyl Ether	3.57	45	29007	0.502	ug/l		88
32) Ethyl-t-butyl ether	4.08	59	24486	0.515	ug/l		99
33) Tert-Amyl methyl ether	5.58	73	20188	0.511	ug/l		99
34) Propionitrile	4.37	54	2859	1.995	ug/l	#	86
35) Benzene	5.39	78	35102	0.512	ug/l		99
36) 1,2-Dichloroethane	5.40	62	11028	0.537	ug/l		98
37) Trichloroethene	6.19	130	7817	0.523	ug/l		90
38) 1,2-Dichloropropane	6.43	63	9883	0.505	ug/l		91
39) Methacrylonitrile	4.55	41	4383	0.571	ug/l	#	86
40) Methyl acrylate	4.43	55	6227	0.590	ug/l	#	79
41) Tetrahydrofuran	4.66	42	3807	0.987	ug/l	#	72
42) 1-Chlorobutane	5.06	56	18908	0.510	ug/l		97

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.56	93	3949	0.474 ug/l		95
44) Bromodichloromethane	6.76	83	11148	0.507 ug/l	#	95
45) 4-Methyl-2-Pentanone	7.47	43	33805	2.526 ug/l		97
46) t-1,4-Dichloro-2-butene	10.52	75	5388m	1.123 ug/l		
47) Methyl methacrylate	6.63	69	8276	0.973 ug/l		91
48) Ethyl methacrylate	8.02	69	8290	0.487 ug/l		95
49) Toluene	7.64	92	18920	0.496 ug/l		100
50) t-1,3-Dichloropropene	7.88	75	10540	0.499 ug/l		97
51) cis-1,3-Dichloropropene	7.27	75	13169	0.505 ug/l	#	88
52) 1,1,2-Trichloroethane	8.07	97	6315	0.540 ug/l	#	76
53) 1,3-Dichloropropane	8.24	76	11207	0.513 ug/l		99
54) 2-Hexanone	8.37	43	25991	2.700 ug/l		97
55) Dibromochloromethane	8.48	129	6106	0.491 ug/l		97
56) 1,2-Dibromoethane	8.59	107	5568	0.523 ug/l		98
58) Tetrachloroethene	8.22	164	6989	0.511 ug/l		96
59) Chlorobenzene	9.12	112	20585	0.519 ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.21	131	7031	0.523 ug/l		98
61) Pentachloroethane	11.10	117	5258	0.503 ug/l		94
62) Hexachloroethane	12.14	117	5063	0.517 ug/l		96
63) Ethyl Benzene	9.25	91	34451	0.471 ug/l		94
64) m/p-Xylenes	9.38	106	25487	0.962 ug/l		98
65) o-Xylene	9.78	106	11963	0.468 ug/l		91
66) Styrene	9.79	104	20437	0.466 ug/l		98
67) Bromoform	9.96	173	3581	0.514 ug/l	#	96
69) Isopropylbenzene	10.16	105	32769	0.479 ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.46	83	8102	0.516 ug/l		98
71) 1,2,3-Trichloropropane	10.49	75	5298m	0.490 ug/l		
72) Bromobenzene	10.45	156	7247	0.477 ug/l		97
73) n-propylbenzene	10.58	120	8095	0.456 ug/l		95
74) 2-Chlorotoluene	10.66	126	7690	0.495 ug/l		94
75) 1,3,5-Trimethylbenzene	10.77	105	27287	0.474 ug/l		98
76) 4-Chlorotoluene	10.77	126	7513	0.477 ug/l		99
77) tert-Butylbenzene	11.10	119	26425	0.487 ug/l		98
78) 1,2,4-Trimethylbenzene	11.15	105	27792	0.471 ug/l		95
79) sec-Butylbenzene	11.32	105	34820	0.461 ug/l		99
80) Nitrobenzene	12.87	77	1746	2.470 ug/l	#	85
81) p-Isopropyltoluene	11.48	119	27771	0.462 ug/l		96
82) 1,3-Dichlorobenzene	11.41	146	14370	0.472 ug/l		94
83) 1,4-Dichlorobenzene	11.50	146	15120	0.499 ug/l		97
84) n-Butylbenzene	11.89	91	26450	0.419 ug/l		98
85) 1,2-Dichlorobenzene	11.88	146	14529	0.502 ug/l		97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1131	0.448 ug/l		91
87) 1,2,4-Trichlorobenzene	13.50	180	9784	0.481 ug/l		98
88) Hexachlorobutadiene	13.69	225	5128	0.466 ug/l		97
89) Naphthalene	13.75	128	20692	0.514 ug/l		98
90) 1,2,3-Trichlorobenzene	13.99	180	9816	0.511 ug/l		97

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

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