Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040219\
Data File : VU030615.D
Acq On : 02 Apr 2019 22:35
Operator : JC/SP
Sample : VSTDICC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
MMDadoda
4/3/2019 11:43:52 AM

Quant Time: Apr 03 02:22:46 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	33248	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	11401	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery = 93.00%			
68) 1,2-Dichlorobenzene-d4	11.86	152	10839	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery = 80.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	13920	1.111	ug/l	94
3) Chloromethane	1.33	50	17903	1.260	ug/l	95
4) Vinyl Chloride	1.40	62	16234	1.294	ug/l	99
5) Bromomethane	1.63	94	8764	1.268	ug/l	96
6) Chloroethane	1.70	64	9357	1.301	ug/l	97
7) Trichlorofluoromethane	1.88	101	18944	1.184	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	9668	1.128	ug/l	97
9) 1,1-Dichloroethene	2.28	96	9826	1.162	ug/l	95
10) Iodomethane	2.41	142	10994	1.391	ug/l	100
11) Allyl Chloride	2.59	41	19975	1.520	ug/l	96
12) Acrylonitrile	2.94	53	6668	3.346	ug/l	97
13) Acetone	2.32	43	14263	8.114	ug/l	90
14) Carbon Disulfide	2.47	76	34129	1.152	ug/l	98
15) Methylene Chloride	2.70	84	14616	1.439	ug/l	89
16) trans-1,2-Dichloroethene	2.98	96	11316	1.166	ug/l	99
17) 1,1-Dichloroethane	3.44	63	22408	1.314	ug/l	97
18) 2-Butanone	4.29	43	17582	7.177	ug/l	94
19) Cyclohexane	4.99	56	16766m	1.148	ug/l	
20) Methylcyclohexane	6.41	83	14854	0.969	ug/l	99
21) 2,2-Dichloropropane	4.23	77	15854	1.117	ug/l	100
22) cis-1,2-Dichloroethene	4.23	96	10374	0.960	ug/l	87
23) Diethyl Ether	2.10	59	9638	1.442	ug/l	99
24) tert-Butyl Alcohol	2.83	59	11691	15.807	ug/l	96
25) Methyl tert-Butyl Ether	3.00	73	29335	1.322	ug/l	95
26) Bromochloromethane	4.54	128	4426	0.941	ug/l	90
27) Chloroform	4.67	83	21366	1.210	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	16814	1.165	ug/l	98
29) 1,1-Dichloropropene	5.13	75	15105	1.152	ug/l	97
30) Carbon Tetrachloride	5.13	117	14102	1.097	ug/l	93
31) Isopropyl Ether	3.57	45	36076	1.445	ug/l	96
32) Ethyl-t-butyl ether	4.07	59	28029	1.213	ug/l	95
33) Tert-Amyl methyl ether	5.58	73	22748	1.097	ug/l	99
34) Propionitrile	4.34	54	3980	5.946	ug/l #	89
35) Benzene	5.39	78	42654	1.113	ug/l	95
36) 1,2-Dichloroethane	5.41	62	13988	1.314	ug/l #	91
37) Trichloroethene	6.18	130	10069	0.939	ug/l	93
38) 1,2-Dichloropropane	6.43	63	12093	1.212	ug/l	97
39) Methacrylonitrile	4.56	41	4344	1.451	ug/l #	64
40) Methyl acrylate	4.44	55	4163	0.917	ug/l #	83
41) Tetrahydrofuran	4.65	42	4220	2.556	ug/l	95
42) 1-Chlorobutane	5.06	56	22551	1.271	ug/l	98

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Apr 03 01:47:43 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Dibromomethane	6.56	93	5799	1.140	ug/l		99
44) Bromodichloromethane	6.76	83	15584	1.273	ug/l		93
45) 4-Methyl-2-Pentanone	7.47	43	38493	6.989	ug/l		98
46) t-1,4-Dichloro-2-butene	10.52	75	5200m	2.589	ug/l		
47) Methyl methacrylate	6.63	69	8896	2.034	ug/l		91
48) Ethyl methacrylate	8.03	69	8287	1.022	ug/l		99
49) Toluene	7.64	92	21057	0.924	ug/l		94
50) t-1,3-Dichloropropene	7.88	75	11164	1.022	ug/l		93
51) cis-1,3-Dichloropropene	7.27	75	14643	1.076	ug/l		97
52) 1,1,2-Trichloroethane	8.07	97	8301	1.162	ug/l		98
53) 1,3-Dichloropropane	8.24	76	13815	1.138	ug/l		97
54) 2-Hexanone	8.37	43	24794	6.344	ug/l		91
55) Dibromochloromethane	8.47	129	9088	1.070	ug/l		97
56) 1,2-Dibromoethane	8.59	107	7249	1.064	ug/l		94
58) Tetrachloroethene	8.22	164	9616	0.995	ug/l		95
59) Chlorobenzene	9.12	112	24680	0.960	ug/l		95
60) 1,1,1,2-Tetrachloroethane	9.21	131	9933	1.084	ug/l		97
61) Pentachloroethane	11.10	117	7792	1.102	ug/l		92
62) Hexachloroethane	12.14	117	6967	0.995	ug/l		100
63) Ethyl Benzene	9.25	91	38795	0.908	ug/l		96
64) m/p-Xylenes	9.37	106	27604	1.670	ug/l		93
65) o-Xylene	9.78	106	13912	0.859	ug/l		96
66) Styrene	9.79	104	22350	0.836	ug/l		99
67) Bromoform	9.95	173	5053	1.048	ug/l		96
69) Isopropylbenzene	10.16	105	35954	0.846	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.45	83	10450	1.170	ug/l	#	99
71) 1,2,3-Trichloropropane	10.49	75	8996m	1.337	ug/l		
72) Bromobenzene	10.45	156	9578	0.872	ug/l		96
73) n-propylbenzene	10.58	120	9702	0.813	ug/l		99
74) 2-Chlorotoluene	10.66	126	8675	0.829	ug/l		97
75) 1,3,5-Trimethylbenzene	10.77	105	30294	0.838	ug/l		99
76) 4-Chlorotoluene	10.77	126	9261	0.868	ug/l		89
77) tert-Butylbenzene	11.10	119	29237	0.831	ug/l		99
78) 1,2,4-Trimethylbenzene	11.15	105	30123	0.819	ug/l		97
79) sec-Butylbenzene	11.32	105	40848	0.864	ug/l		99
81) p-Isopropyltoluene	11.47	119	31574	0.803	ug/l		99
82) 1,3-Dichlorobenzene	11.42	146	19382	0.878	ug/l		98
83) 1,4-Dichlorobenzene	11.51	146	19638	0.884	ug/l		99
84) n-Butylbenzene	11.89	91	31140	0.835	ug/l		99
85) 1,2-Dichlorobenzene	11.88	146	19089	0.928	ug/l		98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1862	1.429	ug/l		91
87) 1,2,4-Trichlorobenzene	13.51	180	9682	0.666	ug/l		97
88) Hexachlorobutadiene	13.69	225	6968	0.877	ug/l		98
89) Naphthalene	13.75	128	15826	0.689	ug/l		100
90) 1,2,3-Trichlorobenzene	13.99	180	11115	0.835	ug/l		87

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

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