Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091119\
Data File : VU034466.D
Acq On : 11 Sep 2019 09:46
Operator : JC/SP
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 12 02:24:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U091119DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 12 02:05:08 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : VSTDICC0.5

Manual Integrations APPROVED
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9/12/2019 4:53:12 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	56647	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	20964	0.95	ug/l	0.00
Spiked Amount 1.000			Recovery = 95.00%			
68) 1,2-Dichlorobenzene-d4	11.84	152	23606	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery = 102.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	11512	0.499	ug/l	95
3) Chloromethane	1.32	50	13053	0.514	ug/l	95
4) Vinyl Chloride	1.40	62	11809	0.422	ug/l	96
5) Bromomethane	1.63	94	7805	0.447	ug/l	96
6) Chloroethane	1.69	64	6918	0.365	ug/l	93
7) Trichlorofluoromethane	1.88	101	14603	0.385	ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	8053	0.408	ug/l	97
9) 1,1-Dichloroethene	2.28	96	8271	0.425	ug/l	99
10) Iodomethane	2.40	142	5503	0.216	ug/l	94
11) Allyl Chloride	2.58	41	13621	0.425	ug/l	93
12) Acrylonitrile	2.93	53	3608	0.683	ug/l #	90
13) Acetone	2.32	43	7424	1.641	ug/l	100
14) Carbon Disulfide	2.47	76	28848	0.393	ug/l	97
15) Methylene Chloride	2.69	84	10596	0.408	ug/l	96
16) trans-1,2-Dichloroethene	2.96	96	9224	0.402	ug/l	97
17) 1,1-Dichloroethane	3.42	63	17194	0.530	ug/l	97
18) 2-Butanone	4.27	43	9265	2.064	ug/l	100
19) Cyclohexane	4.97	56	11977m	0.497	ug/l	
20) Methylcyclohexane	6.39	83	12668	0.522	ug/l	94
21) 2,2-Dichloropropane	4.20	77	14911	0.542	ug/l	95
22) cis-1,2-Dichloroethene	4.21	96	9529	0.521	ug/l	95
23) Diethyl Ether	2.10	59	5759	0.350	ug/l	87
24) tert-Butyl Alcohol	2.82	59	12266	4.913	ug/l #	80
25) Methyl tert-Butyl Ether	2.99	73	19077	0.349	ug/l	99
26) Bromochloromethane	4.53	128	4257	0.535	ug/l	96
27) Chloroform	4.66	83	20571	0.564	ug/l	98
28) 1,1,1-Trichloroethane	4.89	97	14028	0.497	ug/l	100
29) 1,1-Dichloropropene	5.12	75	11492	0.491	ug/l	97
30) Carbon Tetrachloride	5.12	117	12216	0.490	ug/l	97
31) Isopropyl Ether	3.56	45	24372	0.582	ug/l	97
32) Ethyl-t-butyl ether	4.05	59	19582	0.497	ug/l	99
33) Tert-Amyl methyl ether	5.57	73	16212	0.467	ug/l	98
34) Propionitrile	4.33	54	2143	1.688	ug/l #	65
35) Benzene	5.37	78	34767	0.511	ug/l	98
36) 1,2-Dichloroethane	5.39	62	9056	0.415	ug/l #	94
37) Trichloroethene	6.17	130	10084	0.555	ug/l	95
38) 1,2-Dichloropropane	6.41	63	9214	0.494	ug/l	97
39) Methacrylonitrile	4.54	41	2143	0.420	ug/l #	66
40) Methyl acrylate	4.42	55	3021m	0.381	ug/l	
41) Tetrahydrofuran	4.64	42	2188	0.859	ug/l #	53
42) 1-Chlorobutane	5.04	56	14463	0.457	ug/l	86

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Sep 12 02:05:08 2019
Response via : Initial Calibration

Instrument : MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
43) Dibromomethane	6.54	93	4710	0.470 ug/l		94
44) Bromodichloromethane	6.74	83	11671	0.475 ug/l		97
45) 4-Methyl-2-Pentanone	7.45	43	20011	1.964 ug/l		99
46) t-1,4-Dichloro-2-butene	10.50	75	3679m	0.912 ug/l		
47) Methyl methacrylate	6.61	69	6108	0.796 ug/l		98
48) Ethyl methacrylate	8.01	69	5408m	0.398 ug/l		
49) Toluene	7.62	92	18705	0.480 ug/l		100
50) t-1,3-Dichloropropene	7.87	75	9240	0.454 ug/l		98
51) cis-1,3-Dichloropropene	7.25	75	11421	0.468 ug/l		96
52) 1,1,2-Trichloroethane	8.05	97	6103	0.453 ug/l		95
53) 1,3-Dichloropropane	8.23	76	9995	0.438 ug/l		99
54) 2-Hexanone	8.36	43	12858	1.799 ug/l		90
55) Dibromochloromethane	8.45	129	7056	0.445 ug/l		100
56) 1,2-Dibromoethane	8.57	107	5722	0.457 ug/l		96
58) Tetrachloroethene	8.21	164	8854	0.535 ug/l		94
59) Chlorobenzene	9.10	112	21363	0.479 ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.19	131	8463	0.501 ug/l		96
61) Pentachloroethane	11.08	117	7110	0.515 ug/l		93
62) Hexachloroethane	12.12	117	6089	0.462 ug/l		98
63) Ethyl Benzene	9.23	91	31367	0.438 ug/l		99
64) m/p-Xylenes	9.36	106	24665	0.859 ug/l		93
65) o-Xylene	9.76	106	11591	0.422 ug/l		93
66) Styrene	9.77	104	18635	0.402 ug/l		97
67) Bromoform	9.94	173	4362	0.503 ug/l	#	95
69) Isopropylbenzene	10.14	105	31000	0.439 ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.44	83	8120	0.456 ug/l		99
71) 1,2,3-Trichloropropane	10.47	75	5335m	0.387 ug/l		
72) Bromobenzene	10.44	156	9636	0.516 ug/l		96
73) n-propylbenzene	10.57	120	8805	0.436 ug/l		97
74) 2-Chlorotoluene	10.64	126	8271	0.452 ug/l		100
75) 1,3,5-Trimethylbenzene	10.75	105	26189	0.415 ug/l		99
76) 4-Chlorotoluene	10.76	126	8145	0.429 ug/l		98
77) tert-Butylbenzene	11.08	119	27173	0.450 ug/l		98
78) 1,2,4-Trimethylbenzene	11.13	105	25739	0.399 ug/l		98
79) sec-Butylbenzene	11.30	105	35747	0.434 ug/l		98
81) p-Isopropyltoluene	11.46	119	28469	0.423 ug/l		98
82) 1,3-Dichlorobenzene	11.40	146	18852	0.476 ug/l		95
83) 1,4-Dichlorobenzene	11.49	146	19449	0.497 ug/l		99
84) n-Butylbenzene	11.87	91	27319	0.402 ug/l		92
85) 1,2-Dichlorobenzene	11.86	146	17959	0.487 ug/l		98
86) 1,2-Dibromo-3-Chloropropan	12.64	75	892	0.323 ug/l		98
87) 1,2,4-Trichlorobenzene	13.49	180	8771m	0.399 ug/l		
88) Hexachlorobutadiene	13.67	225	8111	0.576 ug/l		99
89) Naphthalene	13.73	128	9581m	0.265 ug/l		
90) 1,2,3-Trichlorobenzene	13.97	180	7934m	0.374 ug/l		

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

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