Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU020519\
Data File : VU029346.D
Acq On : 05 Feb 2019 14:24
Operator : JC/SP
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
sam
2/8/2019 2:26:31 PM

Quant Time: Feb 08 10:49:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U020519DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Feb 08 10:20:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.74	96	53469	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	20354	0.98	ug/l		0.00
Spiked Amount 1.000			Recovery = 98.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	20775	0.97	ug/l		0.00
Spiked Amount 1.000			Recovery = 97.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	10762	0.539	ug/l		92
3) Chloromethane	1.33	50	9457	0.519	ug/l		96
4) Vinyl Chloride	1.40	62	10829	0.507	ug/l		98
5) Bromomethane	1.63	94	7833	0.659	ug/l		91
6) Chloroethane	1.70	64	6710	0.537	ug/l		98
7) Trichlorofluoromethane	1.88	101	14878	0.498	ug/l		98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	8093	0.513	ug/l		91
9) 1,1-Dichloroethene	2.28	96	7914	0.513	ug/l		69
10) Iodomethane	2.41	142	5636m	0.285	ug/l		
11) Allyl Chloride	2.59	41	13307	0.514	ug/l		95
12) Acrylonitrile	2.94	53	3713	1.074	ug/l		91
13) Acetone	2.32	43	9165m	2.764	ug/l		
14) Carbon Disulfide	2.47	76	28542	0.524	ug/l		99
15) Methylene Chloride	2.70	84	11977	0.640	ug/l	#	78
16) trans-1,2-Dichloroethene	2.98	96	8950	0.519	ug/l	#	81
17) 1,1-Dichloroethane	3.44	63	12420	0.454	ug/l	#	93
18) 2-Butanone	4.29	43	7821	2.100	ug/l		89
19) Cyclohexane	4.99	56	14192m	0.589	ug/l		
20) Methylcyclohexane	6.41	83	12758	0.479	ug/l		88
21) 2,2-Dichloropropane	4.22	77	12880	0.509	ug/l	#	91
22) cis-1,2-Dichloroethene	4.22	96	7772	0.478	ug/l		87
23) Diethyl Ether	2.10	59	6531	0.527	ug/l	#	88
24) tert-Butyl Alcohol	2.84	59	7727	6.003	ug/l	#	94
25) Methyl tert-Butyl Ether	3.00	73	21554	0.496	ug/l	#	84
26) Bromochloromethane	4.55	128	3573	0.498	ug/l		73
27) Chloroform	4.67	83	13061	0.491	ug/l		94
28) 1,1,1-Trichloroethane	4.91	97	11852	0.481	ug/l		91
29) 1,1-Dichloropropene	5.13	75	10880	0.509	ug/l		99
30) Carbon Tetrachloride	5.13	117	10650	0.477	ug/l		96
31) Isopropyl Ether	3.58	45	19469	0.472	ug/l		97
32) Ethyl-t-butyl ether	4.07	59	20488	0.496	ug/l		92
33) Tert-Amyl methyl ether	5.58	73	17739	0.475	ug/l		97
35) Benzene	5.39	78	29179	0.493	ug/l		94
36) 1,2-Dichloroethane	5.41	62	8650	0.484	ug/l	#	84
37) Trichloroethene	6.19	130	8257	0.486	ug/l		82
38) 1,2-Dichloropropane	6.43	63	7669	0.498	ug/l		92
41) Tetrahydrofuran	4.66	42	2346	0.895	ug/l	#	70
42) 1-Chlorobutane	5.06	56	14066	0.491	ug/l		89
43) Dibromomethane	6.56	93	4524	0.552	ug/l		92
44) Bromodichloromethane	6.76	83	9994	0.478	ug/l		88
45) 4-Methyl-2-Pentanone	7.47	43	21949	2.284	ug/l	#	92

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
46) t-1,4-Dichloro-2-butene	10.52	75	4433m	0.950 ug/l		
47) Methyl methacrylate	6.63	69	6459	0.895 ug/l	#	82
48) Ethyl methacrylate	8.03	69	7049	0.455 ug/l		77
49) Toluene	7.64	92	18560	0.490 ug/l		94
50) t-1,3-Dichloropropene	7.89	75	9562	0.467 ug/l		97
51) cis-1,3-Dichloropropene	7.27	75	11817	0.486 ug/l	#	87
52) 1,1,2-Trichloroethane	8.07	97	5446	0.502 ug/l		96
53) 1,3-Dichloropropane	8.25	76	9082	0.476 ug/l		93
54) 2-Hexanone	8.37	43	14797	2.196 ug/l		85
55) Dibromochloromethane	8.48	129	7392	0.479 ug/l		98
56) 1,2-Dibromoethane	8.59	107	5749	0.516 ug/l		93
58) Tetrachloroethene	8.22	164	7720	0.489 ug/l		92
59) Chlorobenzene	9.12	112	20882	0.490 ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.21	131	7508	0.477 ug/l		95
61) Pentachloroethane	11.10	117	5791	0.474 ug/l		92
62) Hexachloroethane	12.14	117	6121	0.459 ug/l		97
63) Ethyl Benzene	9.25	91	35859	0.484 ug/l		99
64) m/p-Xylenes	9.38	106	26920	0.936 ug/l		90
65) o-Xylene	9.78	106	13699	0.485 ug/l		87
66) Styrene	9.79	104	22722	0.483 ug/l		95
67) Bromoform	9.96	173	4592	0.478 ug/l		94
69) Isopropylbenzene	10.17	105	34256	0.454 ug/l		94
70) 1,1,2,2-Tetrachloroethane	10.46	83	6646	0.478 ug/l	#	94
71) 1,2,3-Trichloropropane	10.49	75	4376m	0.449 ug/l		
72) Bromobenzene	10.45	156	8770	0.479 ug/l		89
73) n-propylbenzene	10.59	120	9477	0.451 ug/l		94
74) 2-Chlorotoluene	10.66	126	8480	0.474 ug/l		87
75) 1,3,5-Trimethylbenzene	10.77	105	30743	0.473 ug/l		97
76) 4-Chlorotoluene	10.77	126	9349	0.503 ug/l		72
77) tert-Butylbenzene	11.10	119	30139	0.469 ug/l		91
78) 1,2,4-Trimethylbenzene	11.15	105	30912	0.469 ug/l		93
79) sec-Butylbenzene	11.32	105	38573	0.458 ug/l		94
81) p-Isopropyltoluene	11.48	119	33436	0.469 ug/l		94
82) 1,3-Dichlorobenzene	11.42	146	17085	0.476 ug/l		98
83) 1,4-Dichlorobenzene	11.51	146	17505	0.490 ug/l		94
84) n-Butylbenzene	11.89	91	30216	0.462 ug/l		96
85) 1,2-Dichlorobenzene	11.88	146	16575	0.488 ug/l		98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1238	0.477 ug/l		89
87) 1,2,4-Trichlorobenzene	13.50	180	10504	0.441 ug/l		99
88) Hexachlorobutadiene	13.69	225	6740	0.488 ug/l		99
89) Naphthalene	13.75	128	16069	0.398 ug/l	#	96
90) 1,2,3-Trichlorobenzene	13.99	180	10426	0.479 ug/l		94

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

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