



Concentration Analysis Report

Report time	11/30/2018 2:24:04 PM
Method	D:\UV-VIS\Method\Cr (VI)- ISO17075.MCN
Batch name	D:\UV-VIS\Concentration\20181130-Cr.BCN
Application	Concentration 4.20(468)
Operator	

Instrument Settings

Instrument	Cary 300
Instrument version no.	12.00
Wavelength (nm)	540.00
Ordinate Mode	Abs
SBW (nm)	1.5
Ave Time (sec)	0.100
Beam mode	Double auto select
Beam interchange	Normal
Replicates	1
Standard/Sample averaging	OFF
Weight and volume corrections	OFF
Fit type	Linear
Min R2	0.95000
Concentration units	mg/L

Comments:

Calibration

Collection time	11/30/2018 2:03:13 PM
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Standard	Concentration	F	Readings
	mg/L		

Std 1	0.003	0.0111
Std 2	0.008	0.0325
Std 3	0.020	0.0824
Std 4	0.040	0.1612
Std 5	0.060	0.2452
Std 6	0.080	0.3196

Calibration eqn Abs = 4.02036*Conc +0.00061
Correlation Coefficient 0.99969
Calibration time 11/30/2018 2:24:04 PM

Analysis

Collection time 11/30/2018 2:22:47 PM
Recalculation Time 11/30/2018 2:24:04 PM

Sample	Concentration mg/L	F	Readings
BLK	-0.003		-0.0123
BLK+DPC	0.000		0.0014
BLK SPIKE	-0.003		-0.0130
BLK SPIKE+DPC	0.037		0.1502
SS 27211/11A	-0.001		-0.0016
SAMPLE SPIKE+DPC	0.022		0.0872
27195/20A	0.017		0.0702
27195/20A+D	0.021		0.0844
27198/14A	-0.002		-0.0063
27198/14A+D	0.005		0.0208
27211/11A	0.000		-0.0009
27211/11A+D	0.006		0.0235
27224/13A	-0.001		-0.0031
27224/13A+D	0.006		0.0248
27225/18A	0.017		0.0701
27225/18A+D	0.020		0.0804
27129/20A	0.020		0.0811
27129/20A+D	0.023		0.0946
27145/19A	0.018		0.0719
27145/19A+D	0.023		0.0930
27296/3B	-0.002		-0.0060
27296/3B+D	0.001		0.0061
27296/4B	0.013		0.0526
27296/4B+D	0.026		0.1049
27296/27B	-0.003		-0.0111
27296/27B+D	0.001		0.0026
27296/28B*	-0.002		-0.0085
27296/28B+D*	0.004		0.0167
27296/29B*	-0.003		-0.0113
27296/29B+D*	0.017		0.0677
27297/39B	0.013		0.0520
27297/39B+D	0.047		0.1906
27155/3A	-0.003		-0.0101
27155/3A+D	0.005		0.0217
QC	0.041	R	0.1656
27327/2	-0.001		-0.0047
27327/2+D	0.003		0.0120
27327/3	0.017		0.0694
27327/3+D	0.022		0.0888
27347/3*8	-0.002		-0.0089
27347/3+D*8	0.019		0.0789
27352/2	0.001		0.0041
27352/2+D	0.004		0.0159
26894/1B	0.020		0.0826
26894/1B+D	0.042		0.1678
QC	0.042		0.1679

Results Flags Legend

U = Uncalibrated O = Overrange
N = Not used in calibration R = Repeat reading