



Concentration Analysis Report

Report time 11/29/2018 2:23:42 PM
Method D:\UV-VIS\Method\Cr (VI)- ISO17075.MCN
Batch name D:\UV-VIS\Concentration\20181129-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:

Zero Report

Read	Abs	nm
Zero	(-0.0314)	540.00

Calibration

Collection time

11/29/2018 2:24:27 PM

Standard	Concentration mg/L	F Readings
Std 1	0.003	0.0102
Std 2	0.008	0.0295
Std 3	0.020	0.0781
Std 4	0.040	0.1611
Std 5	0.060	0.2371
Std 6	0.080	0.3179

Calibration eqn $Abs = 3.99884 * Conc - 0.00164$
 Correlation Coefficient 0.99987
 Calibration time 11/29/2018 2:27:20 PM

Analysis

Collection time

11/29/2018 2:27:20 PM

Sample	Concentration mg/L	F Readings
BLK	-0.003	-0.0128
BLK+DPC	0.000	-0.0017
BLK SPIKE	-0.002	-0.0111
BLK SPIKE+DPC	0.044	0.1726
SAMPLE SPIKE	-0.003	-0.0124
SAMPLE SPIKE+DPC	0.017	0.0647
27181/18A	0.017	0.0668
27181/18A+D	0.021	0.0810
27181/18	0.015	0.0565
27181/18+D	0.018	0.0699
27159/20A	0.016	0.0636
27159/20A+D	0.019	0.0746
27159/20	0.017	0.0665
27159/20+D	0.020	0.0772
27195/20	0.018	0.0716
27195/20+D	0.021	0.0819
27198/14	0.001	0.0026
27198/14+D	0.003	0.0104
27211/11	0.003	0.0119
27211/11+D	0.006	0.0231
27224/13	-0.001	-0.0042
27224/13+D	0.003	0.0110
27225/18	0.018	0.0690
27225/18+D	0.021	0.0821
27005/39A	0.010	0.0386
27005/39A+D	0.021	0.0810
27008/21A	0.016	0.0620
27008/21A+D	0.019	0.0735
27008/21	0.017	0.0674
27008/21+D	0.020	0.0803
27029/1A	0.000	-0.0034
27029/1A+D	0.005	0.0196
27058/3A	-0.002	-0.0093
27058/3A+D	0.001	0.0034
27058/4A*	-0.002	-0.0093
27058/4A+D*	0.001	0.0023
27058/28A*	-0.002	-0.0116
27058/28A+D*	0.003	0.0101
27096/2A	-0.001	-0.0073
27096/2A+D	0.014	0.0554
27129/20	0.015	0.0602
27129/20+D	0.018	0.0704
27145/19	0.019	0.0738
27145/19+D	0.022	0.0866
QC	0.040	0.1601

Results Flags Legend

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