

TOXL
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-004940
 06/22/2010 07:55:19

Auto Calibration

	<<<<< 3um >>>>>		<<<<< 9um >>>>>	
	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)

Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.0470	(0.0000)	0.1140	(0.0150)
Sample #2	0.0480	(0.0150)	0.1170	(0.0150)
Sample #3	0.0780	(0.0170)	0.1000	(0.0160)
Sample #4	0.0470	(0.0320)	0.1220	(0.0050)
Avg % Abs	0.0577	(0.0213)	0.1130	(0.0120)
STD DEV	0.0176	(0.0093)	0.0115	(0.0061)
REL STD DEV	30.548	(43.554)	10.206	(50.690)

Solution = 0.021 g/210L or 0.1000 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.3850	(0.0030)	0.7950	(0.0000)
Sample #2	0.4200	(0.0000)	0.8010	(0.0140)
Sample #3	0.3840	(0.0220)	0.7890	(0.0220)
Sample #4	0.4280	(0.0150)	0.8070	(0.0040)
Avg % Abs	0.4107	(0.0123)	0.7990	(0.0133)
STD DEV	0.0234	(0.0112)	0.0092	(0.0090)
REL STD DEV	5.707	(91.134)	1.147	(67.639)

Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	0.7700	(-0.0250)	1.4720	(-0.0130)
Sample #2	0.7550	(-0.0180)	1.4820	(0.0030)
Sample #3	0.7460	(-0.0090)	1.4720	(0.0050)
Sample #4	0.7570	(0.0040)	1.4960	(0.0040)
Avg % Abs	0.7527	(-0.0077)	1.4833	(0.0040)
STD DEV	0.0059	(0.0111)	0.0121	(0.0010)
REL STD DEV	0.778	(144.267)	0.813	(25.000)

Solution = 0.120 g/210L or 0.5714 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	2.1760	(0.0060)	4.2030	(0.0040)
Sample #2	2.1880	(0.0000)	4.1970	(0.0270)
Sample #3	2.1960	(0.0000)	4.1830	(0.0340)
Sample #4	2.2010	(-0.0030)	4.2300	(0.0250)
Avg % Abs	2.1950	(-0.0010)	4.2033	(0.0287)
STD DEV	0.0066	(0.0017)	0.0241	(0.0047)
REL STD DEV	0.299	(173.205)	0.574	(16.485)

Solution = 0.298 g/210L or 1.4190 mg/l, Samples = 4, Discarded = 1				
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)
Sample #1	5.2030	(-0.0230)	9.6550	(-0.0040)
Sample #2	5.2100	(0.0000)	9.6920	(0.0000)
Sample #3	5.1810	(0.0130)	9.6690	(0.0070)
Sample #4	5.2060	(-0.0040)	9.6480	(0.0380)
Avg % Abs	5.1990	(0.0030)	9.6697	(0.0150)
STD DEV	0.0157	(0.0089)	0.0220	(0.0202)
REL STD DEV	0.302	(296.273)	0.228	(134.825)

*Calibration
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Auto Calibration

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<<<<<      3um      >>>>>
-----
Zero Order Coef   -104.17
First Order Coef  2599.47
Second Order Coef 28.72
-----
  Act      Fit      Residual
(g/210L)  (g/210L)  (g/210L)
0.000     0.001     -0.0010
0.021     0.020     0.0007
0.040     0.039     0.0008
0.120     0.121     -0.0005
0.298     0.298     0.0001
-----
  
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<<<<<      9um      >>>>>
-----
Zero Order Coef   -108.00
First Order Coef  1321.73
Second Order Coef 16.19
-----
  Act      Fit      Residual
(g/210L)  (g/210L)  (g/210L)
0.000     0.001     -0.0009
0.021     0.020     0.0009
0.040     0.040     0.0003
0.120     0.120     -0.0004
0.298     0.298     0.0001
-----
  
```

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<<<<<      3um      >>>>>
-----
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1
Sample
Sample #1          3248.00
Sample #2          3146.00
Sample #3          3269.00
Sample #4          3200.00
Avg                3205.0000
STD DEV            61.6523
REL STD DEV        1.924
H2O adjust (mg/l*10k) 604
  
```

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<<<<<      9um      >>>>>
-----
Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1
Sample
Sample #1          3312.00
Sample #2          3290.00
Sample #3          3330.00
Sample #4          3289.00
Avg                3303.0000
STD DEV            23.3880
REL STD DEV        0.708
H2O adjust (mg/l*10k) 506
  
```

Atmospheric Pressure = 1012

*****CALIBRATION SUCCESSFUL*****

*Calibration
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