

**FedEx** US Airbill  
Express

FedEx Tracking Number 8693 6389 2592

MUR23  
Form ID No. 0215  
Sender's Copy

**1 From** Please print and press hard.  
Date 1-13-10 Sender's FedEx Account Number 2748-4632-1  
Sender's Name Margy Pearson Phone (701) 328-6141  
Company OFFICE OF ATTY GEN CRIME LAB  
Address 2641 E MAIN AVE  
City BISMARCK State ND ZIP 58501-5044

**2 Your Internal Billing Reference** Serial # 80-004191

**3 To**  
Recipient's Name Becky Taylor Phone (866) 835-0690  
Company CMF, Inc.  
Recipient's Address 316 East Ninth Street  
City Owensboro State KY ZIP 42303  
0401949546

**4a Express Package Service**  
 FedEx Priority Overnight  
 FedEx Standard Overnight  
 FedEx First Overnight  
 FedEx 2Day  
 FedEx Express Saver  
\* To most locations.

**4b Express Freight Service**  
 FedEx 1Day Freight\*  
 FedEx 2Day Freight  
 FedEx 3Day Freight  
\* Call for Confirmation. \*\* To most locations.

**5 Packaging**  
 FedEx Envelope\*  
 FedEx Pak\*  
 FedEx Box  
 Other  
\* Declared Value Limit \$500

**6 Special Handling**  
 SATURDAY Delivery NOT Available for...  
 HOLD Weekday at FedEx Location  
 HOLD Saturday at FedEx Location  
 Does this shipment contain dangerous goods?  
 No  
 Yes  
 Dry Ice  
 Cargo Aircraft Only

**7 Payment Bill to:**  
 Sender  
 Recipient  
 Third Party  
 Credit Card  
 Cash/Check  
FedEx Acct. No. 128079580  
Total Packages 1 Total Weight 32 Total Declared Value \$ 8000.00  
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**8 Residential Delivery Signature Options**  
 No Signature Required  
 Direct Signature  
 Indirect Signature  
519

 Store your addresses at fedex.com  
Simplify your shipping. Manage your account. Access all the tools you need.



# Service Evaluation Form

This form MUST be completed and enclosed with instrument to be serviced.  
Failure to complete and return this form may cause delays in service.

(Note: please ship items in their original shipping container(s) or a similar protective box.)

1. Contact information: Customer Number \_\_\_\_\_ (contact Customer Service)  
 Name Deb Kashur or Margy Pearson Phone: (701) 328-6159  
 Fax: (701) 328-6185 Email: dkashur@nd.gov

2. Bill to Address: \_\_\_\_\_ Ship to Address: \_\_\_\_\_  
under ND Crime Lab  
warranty 2641 East Main ~~St~~ Ave.  
Bismarck, ND 58501

3. Serial Number: 80-004191 Instrument Model: intox 8000

4. Detailed Description of Problem:  
"Unstable Signal" during Optical bench calibration - after the highest wet bath  
but before the gas cylinder. See attached calibration printout w/notes.

\*\*\*Hazardous Material Warning! - DO NOT return gas cylinders with instrument!\*\*\*

I Authorize Repairs Up To:  All  \$250  \$500  \$750  Other \$ UNDER WARRANTY  
 Purchase Order Number (attach a copy of P.O. if applicable) \_\_\_\_\_ Need for Feb. 20th  
class

Authorized By:  
Deb Kashur Forensic Scientist  
 Name (Please Print) Title  
Deb Kashur 13 Jan 2010  
 Signature Date

Ship to:  
 CMI, Inc.  
 Attn: Service Dept.  
 316 East Ninth Street  
 Owensboro, KY 42303

No, please send estimate before repairs are made.  
 Note: An estimate will be faxed before performing any repairs and may cause delays in service.  
 An evaluation fee (\$79.00 or actual costs) will apply to estimates that are not repaired.

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TOXL  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-004191  
 01/12/2010 14:02:20

Auto Calibration

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-----					
Solution = 0.000 g/210L or 0.0000 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	0.0840	(0.0000)	0.2420	(-0.0090)	
Sample #2	0.0770	(0.0590)	0.2210	(0.0290)	
Sample #3	0.0500	(0.0760)	0.2070	(0.0390)	
Sample #4	0.0960	(0.0700)	0.2120	(0.0360)	
Avg % Abs	0.0743	(0.0683)	0.2133	(0.0347)	
STD DEV	0.0231	(0.0086)	0.0071	(0.0051)	
REL STD DEV	31.097	(12.617)	3.326	(14.803)	

-----					
Solution = 0.040 g/210L or 0.1905 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	0.7640	(0.0040)	1.6290	(0.0100)	
Sample #2	0.6900	(0.0940)	1.4780	(0.1680)	
Sample #3	0.7160	(0.1000)	1.4900	(0.1670)	
Sample #4	0.7190	(0.0970)	1.5210	(0.1440)	
Avg % Abs	0.7083	(0.0970)	1.4963	(0.1597)	
STD DEV	0.0159	(0.0030)	0.0222	(0.0136)	
REL STD DEV	2.251	(3.093)	1.483	(8.503)	

-----					
Solution = 0.107 g/210L or 0.5095 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	2.0150	(-0.0100)	4.0490	(-0.0050)	
Sample #2	1.8260	(0.1790)	3.7190	(0.3350)	
Sample #3	1.8000	(0.2050)	3.6960	(0.3740)	
Sample #4	1.8100	(0.2110)	3.7150	(0.3780)	
Avg % Abs	1.8120	(0.1983)	3.7100	(0.3623)	
STD DEV	0.0131	(0.0170)	0.0123	(0.0238)	
REL STD DEV	0.724	(8.576)	0.331	(6.556)	

-----					
Solution = 0.147 g/210L or 0.7000 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	2.6900	(-0.0180)	5.4190	(-0.0170)	
Sample #2	2.4290	(0.2270)	4.9250	(0.4840)	
Sample #3	2.4450	(0.2350)	4.9240	(0.5030)	
Sample #4	2.4370	(0.2510)	4.9190	(0.4950)	
Avg % Abs	2.4370	(0.2377)	4.9227	(0.4940)	
STD DEV	0.0080	(0.0122)	0.0032	(0.0095)	
REL STD DEV	0.328	(5.142)	0.065	(1.931)	

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Solution = 0.285 g/210L or 1.3571 mg/l, Samples = 4, Discarded = 1					
Sample	% Abs	(% Abs Ref)	% Abs	(% Abs Ref)	
Sample #1	5.1190	(-0.0120)	10.0850	(-0.0250)	
Sample #2	4.6530	(0.4780)	9.1660	(0.9350)	
Sample #3	4.6160	(0.4990)	9.1230	(0.9680)	
Sample #4	4.6050	(0.5070)	9.1230	(0.9730)	
Avg % Abs	4.6247	(0.4947)	9.1373	(0.9587)	
STD DEV	0.0251	(0.0150)	0.0248	(0.0206)	
REL STD DEV	0.544	(3.028)	0.272	(2.154)	

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TOXL  
 Intoxilyzer - Alcohol Analyzer  
 Model 8000 SN 80-004191  
 01/12/2010 14:02:20

Auto Calibration

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<<<<< 3um >>>>>

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Zero Order Coef	-190.48	
First Order Coef	2734.61	
Second Order Coef	11.39	

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Act	Fit	Residual
(g/210L)	(g/210L)	(g/210L)
0.000	0.000	-0.0003
0.040	0.037	0.0032
0.107	0.101	0.0062
0.147	0.137	0.0096
0.285	0.267	0.0183

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	-295.53	
	1343.79	
	8.18	

-----

Act	Fit	Residual
(g/210L)	(g/210L)	(g/210L)
0.000	0.000	-0.0003
0.040	0.039	0.0008
0.107	0.108	-0.0010
0.147	0.146	0.0005
0.285	0.285	-0.0000

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Solution = 0.080 g/210L or 0.3810 mg/l, Samples = 4, Discarded = 1

Sample		
Sample #1	0.00	0.00
Sample #2	0.00	0.00
Sample #3	0.00	0.00
Sample #4	0.00	0.00
Avg	0.0000	0.0000
STD DEV	0.0000	0.0000
REL STD DEV	0.000	0.000
H2O adjust (mg/l*10k)	536	639

Atmospheric Pressure = 0

\*\*\*\*\*CALIBRATION FAILED\*\*\*\*\*

"Unstable Signal" after the last wet bath, 0.285, but before the gas standard, 0.080. This is what it displays:

"Reference □□□□" then "Unstable Signal" then "Reference □□□□□"  
 then "Unstable Signal" ~~etc~~ etc...

- \* I tried a different regulator but it still gave an unstable signal
- \* My wet bath ~~solutions~~ solns are fresh.

Deb Keshu 12 Jan 2010

761-328-6159

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