

**BREATH ALCOHOL EQUIPMENT  
REPAIR AND MAINTENANCE**

Instrument: 8000 Serial Number: 80-005949 Location: TOXL

1. Instrument repairs/maintenance performed:

REPLACED EXTERNAL BATTERY AND TRAINED BATTERY  
INITIAL CHARGE 12/15/16, DISCHARGE 12/16/16, RECHARGE 12/16/16

REPLACED GAS REGULATOR ASSEMBLY. READING FOR  
REGULATOR GAUGE AT 280 PSI VS 392 PSI ON DISPLAY READING.

2. Does the instrument require further testing?  
If Yes, continue.  
If No, sign and date below.

Yes or No

3. If needed, set the time, date, and location.

N/A

4. Does the flow need to be calibrated?  
If Yes, attach paperwork.

Yes or No

5. Does the optical bench need to be calibrated?  
If Yes, attach test records.

Yes or No

6. Does the gas regulator need to be calibrated?

Yes or No

PSI gauge reading 280 PSI display reading 283

Set instrument to Wet Bath and run tests:

7. Low AC. Use  $< 0.03$  AC in ACA mode. Attach test record.

Sim SN: \_\_\_\_\_ Lot #: \_\_\_\_\_ AC: \_\_\_\_\_

8. Linearity Test. Use  $\geq 0.25$  AC in ACA mode. Attach test record.

Sim SN: \_\_\_\_\_ Lot #: \_\_\_\_\_ AC: \_\_\_\_\_

Set instrument to Gas and run tests:

- 9. Print test. Attach test record. \_\_\_\_\_
- 10. Interferent Check. Use a 0.10 AC ethanol plus 0.05% acetone in ABA mode.  
Attach test record. \_\_\_\_\_  
  
Sim SN: \_\_\_\_\_ Lot #: \_\_\_\_\_ AC: \_\_\_\_\_
- 11. RFI Check. Run in CMS mode. Key radio during any room air or subject test.  
Attach test record. \_\_\_\_\_
- 12. Calibration Check. Use a valid 0.080 AC Ethanol Gas Standard. Run three  
calibration sets in ACA mode. Attach test records. \_\_\_\_\_

Lot No. \_\_\_\_\_ Cylinder No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Test 1 _____	Test 1 _____	Test 1 _____
Test 2 _____	Test 2 _____	Test 2 _____
Test 3 _____	Test 3 _____	Test 3 _____

Average \_\_\_\_\_

Charles E. Eden  
Field Inspector's Signature

Deb Shanover  
Reviewed by

16 DEC 16  
Date

20 Dec 16  
Date