

**BREATH ALCOHOL EQUIPMENT
REPAIR AND MAINTENANCE**

Instrument: 8000 Serial Number: 80-004943 Location: TDXL

1. Instrument repairs/maintenance performed:

Instrument was returned from Minot Air Force Base on 9/28/18. It lost the Operator file upon reboot at their location. Completed flash update of software and installed in classroom. No issues were reported after instrument was used for 6 classes of 8000 Initial Operator training. Instrument is ready for field use.

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.

✓

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 100 PSI display reading 101 psi

Set instrument to Wet Bath and run tests:

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

NA

Sim SN: _____ Lot #: _____ AC: _____

8. Linearity Test. Use ≥ 0.25 AC in ACA mode. Attach test record.

NA

Sim SN: _____ Lot #: _____ AC: _____

Set instrument to Gas and run tests:

9. Print test. Attach test record. NA

10. Interferent Check. Use a 0.10 AC ethanol plus 0.05% acetone in ABA mode. Attach test record. NA

Sim SN: _____ Lot #: _____ AC: _____

11. RFI Check. Run in CMS mode. Key radio during any room air or subject test. Attach test record. NA

12. Calibration Check. Use a valid 0.080 AC Ethanol Gas Standard. Run three calibration sets in ACA mode. Attach test records. NA

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 _____

Roberta Mungu-Numms
Field Inspector's Signature

Charles E. Edr
Reviewed by

31 Jan 19
Date

31 JAN. 2019
Date