

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Issued: 6/11/2014  
Effective: 6/11/2014

Version: DMEF2014 R0  
Status: Active

Instrument # 100421

Date: 5/11/15

Analyst: Brandi Barnett

1. Reason for instrument evaluation

Internal Standard errors

2. Troubleshooting/Repair

Initially passed internal standard when returned however subsequent VOC + diagnostic tests have failed internal standard check.

Software updated to 3.01

Instrument was reading within tolerance on internal standard in field. Within a few minute break fell outside and continued to read out of range. Send to factory.

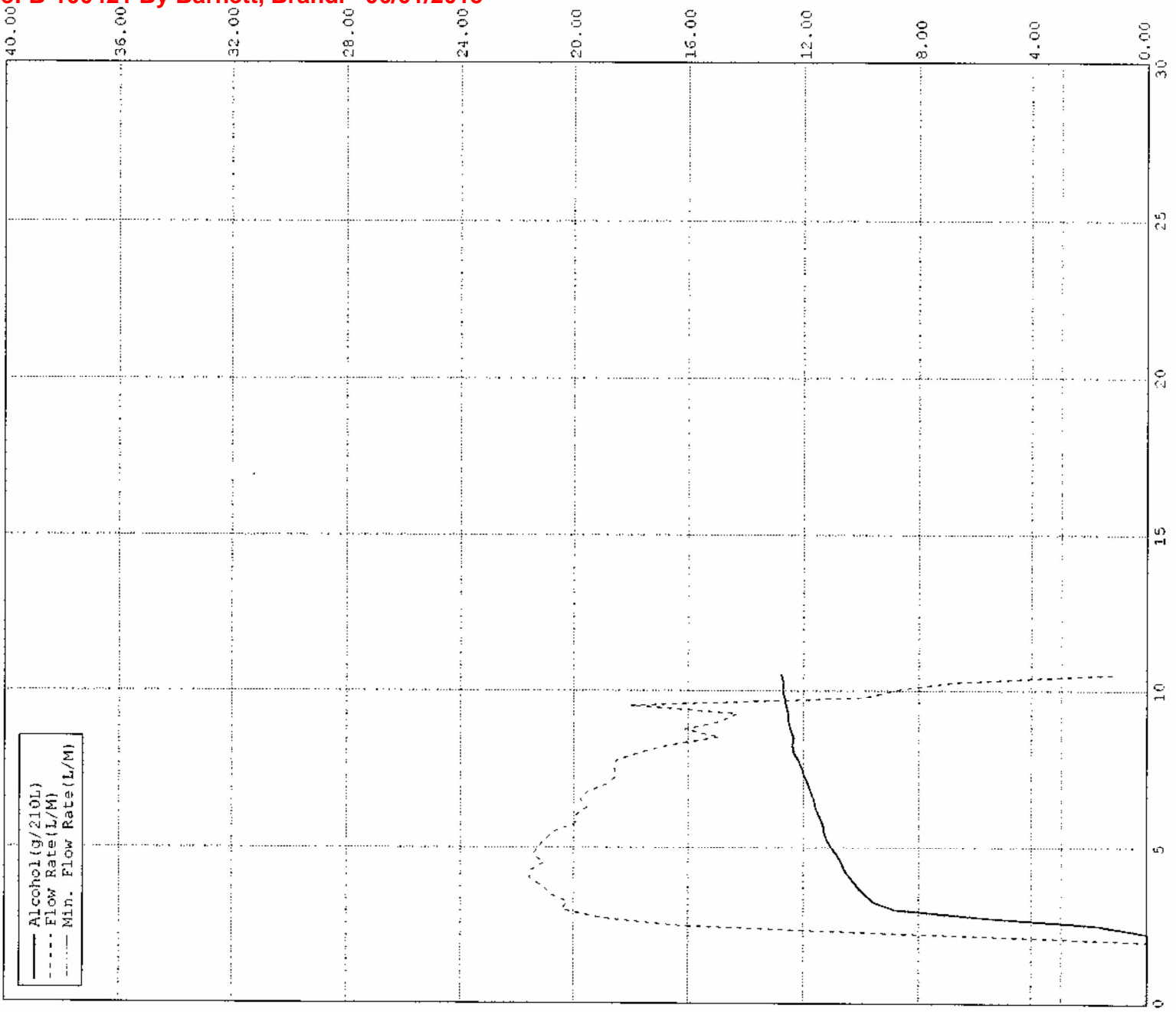
3. VOC (attached) N/A

4. Verify software version  3.01

Return to Factory for Repair

Ready For Calibration

Ready For Certification



SUBJECT TEST

-----  
 Alaska Department of Public Safety  
 DATAMASTER dmt: 100421  
 -----  
 Date: 05/07/2015  
 Time: 11:28:52

SUBJECT NAME:  
 TEST TEST  
 LICENSE #: 1234556677

OPERATOR NAME:  
 SCOTT E GARDNER  
 OPERATOR'S #: 6222

DEPT/AGENCY:  
 JBR4

CASE/REPORT: TEST FOR WETLAB  
 TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.080  
 TARGET AT 29.76: 0.080  
 LOT #: 11313080A1  
 EXPIRATION: 06/01/2015

DIAGNOSTIC CHECK	PASSED	11:29
BLANK TEST	0.000	11:29
INTERNAL STANDARD	VERIFIED	11:30
Xq = 0.101 (0.09%)		
EXTERNAL STANDARD	0.080	11:30
X{1} = 0.0804 (-0.0001) (0.0013)		
BLANK TEST	0.000	11:31
SUBJECT SAMPLE (Vol=2.45L)	0.033	11:31
X[1] = 0.0331 (-0.0037) (0.00007)		
BLANK TEST	0.000	11:32
EXTERNAL STANDARD	0.080	11:32
X[1] = 0.0804 (-0.0012) (0.00004)		
BLANK TEST	0.000	11:33

SUBJECT TEST

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100421  
-----

Date: 05/07/2015  
Time: 11:35:10

SUBJECT NAME:  
TEST TEST  
LICENSE #: 123456789

OPERATOR NAME:  
SCOTT E GARDNER  
OPERATOR'S #: 6222

DEPT/AGENCY:  
JBR4  
CASE/REPORT: TEST FOR WETLAB  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.080  
TARGET AT 29.76: 0.080  
LOT #: 11313080A1  
EXPIRATION: 06/01/2015

DIAGNOSTIC CHECK PASSED 11:36  
BLANK TEST 0.000 11:36  
INTERNAL STANDARD ERROR 11:36  
Xq = 0.108 (6.34%)

Internal Standard Error

DIAGNOSTIC RECORD

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100421  
-----

Date: 05/07/2015  
Time: 13:20:46

VERSIONS  
DMT: 3.00  
PIC: 3.02  
Modem: 2.6  
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C            PASSED  
(44.0°C - 52.0°C)  
Breath Tube        = 44.6°C        PASSED  
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage     = 1.63 V            PASSED  
(1.02 V - 2.38 V)  
Cooler Voltage   = 1.60 V            PASSED  
(1.01 V - 2.35 V)  
Bias Voltage     = 80 V                PASSED  
(47 V - 111 V)  
Chopper Freq    = 522 Hz            PASSED  
(475 Hz - 575 Hz)  
Barometer        = 29.7 in

PUMP INFO

Flow Rate = 5.141 L/M            PASSED  
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON                            PASSED  
(0.002 V <= 0.010 V)  
PUMP OFF                           PASSED  
(0.003 V <= 0.010 V)

FILTER INFO

Filter 1                           PASSED  
Filter 2                           PASSED  
Filter 3                           PASSED

INTERNAL STANDARD

Xq = 0.104 2.95% (0.00% - 4.00%)        PASSED

DIAGNOSTIC RECORD

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100421  
-----

Date: 05/11/2015  
Time: 14:07:53

VERSIONS  
DMT: 3.00  
PIC: 3.02  
Modem: 2.6  
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.7°C            PASSED  
(44.0°C - 52.0°C)  
Breath Tube       = 47.3°C           PASSED  
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage     = 1.63 V           PASSED  
(1.02 V - 2.38 V)  
Cooler Voltage   = 1.60 V           PASSED  
(1.01 V - 2.35 V)  
Bias Voltage     = 80 V             PASSED  
(47 V - 111 V)  
Chopper Freq    = 537 Hz            PASSED  
(475 Hz - 575 Hz)  
Barometer        = 29.8 in

PUMP INFO

Flow Rate = 5.083 L/M            PASSED  
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON                           PASSED  
(0.002 V <= 0.010 V)  
PUMP OFF                          PASSED  
(0.001 V <= 0.010 V)

FILTER INFO

Filter 1                          PASSED  
Filter 2                          PASSED  
Filter 3                          PASSED

INTERNAL STANDARD                FAILED

Xq = 0.106 4.77% (0.00% - 4.00%)

DIAGNOSTIC RECORD

-----  
Alaska Department of Public Safety  
DATAMASTER dmt: 100421  
-----

Date: 05/11/2015  
Time: 14:11:24

VERSIONS  
DMT: 3.00  
PIC: 3.02  
Modem: 2.6  
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C                    PASSED  
(44.0°C - 52.0°C)  
Breath Tube        = 47.6°C                PASSED  
(38.0°C - 50.0°C)

SETTINGS

Lamp Voltage     = 1.63 V                   PASSED  
(1.02 V - 2.38 V)  
Cooler Voltage   = 1.60 V                   PASSED  
(1.01 V - 2.35 V)  
Bias Voltage     = 80 V                      PASSED  
(47 V - 111 V)  
Chopper Freq    = 537 Hz                      PASSED  
(475 Hz - 575 Hz)  
Barometer        = 29.8 in

PUMP INFO

Flow Rate = 5.086 L/M                    PASSED  
(3.500 L/M - 6.500 L/M)

DETECTOR INFO

PUMP ON                                    PASSED  
(0.002 V <= 0.010 V)  
PUMP OFF                                  PASSED  
(0.002 V <= 0.010 V)

FILTER INFO

Filter 1                                   PASSED  
Filter 2                                   PASSED  
Filter 3                                   PASSED

INTERNAL STANDARD                        FAILED

Xq = 0.107 5.73% (0.00% - 4.00%)

# VERIFICATION OF CALIBRATION REPORT

*of DataMaster dmt Breath Test Instrument*

*State of Alaska*

Serial #: 100421

*Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program*

Date: 06/01/2015

## External Standard Test Values

## Diagnostic Check

VERSIONS  
DMT: 3.01  
PIC: 3.02  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 48.9°C PASSED  
Breath Tube = 48.1°C PASSED

PUMP INFO  
Flow Rate = 5.086 L/M PASSED

DETECTOR INFO  
PUMP ON PASSED  
PUMP OFF PASSED

FILTER INFO  
Filter 1 PASSED  
Filter 2 PASSED  
Filter 3 PASSED

INTERNAL STANDARD FAILED

Diagnostic Check Failed

I, Nita J. Bolz, after being first duly sworn, depose and state as follows:

- (1) I am a Forensic Scientist IV at the State of Alaska Scientific Crime Detection Laboratory.
- (2) The Alaska Scientific Crime Detection Laboratory is an entity within the Department of Public Safety.
- (3) I am the Scientific Director of the State Breath Alcohol Program.
- (4) In that capacity, I am responsible for overseeing the Breath Alcohol Program, which includes assuring that instruments are calibrated and maintaining program records.
- (5) The above is a true and accurate verification of calibration, which is performed by the instrument's software, as specified by the State Breath Alcohol Program. Verification of calibration is a regularly conducted and regularly recorded activity of the State Breath Alcohol Program.
- (6) The referenced instrument is certified for evidentiary use in the State of Alaska.

\_\_\_\_\_  
Nita J. Bolz  
Scientific Director  
State Breath Alcohol Program

Subscribed and sworn before me this \_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_