

# Alaska Scientific Crime Detection Laboratory

## Change in Instrument Status Form

Issued: 12/15/2017  
Effective: 12/15/2017

Version: CIISF 2017 R0  
Status: Active

Date: 04/12/2018 Instrument Serial Number: 100416

Instrument Location: Fairbanks PD

Supervisor Name and Agency: Colleen O'Bryant, SCDL

### Describe the Status Change or Issue with the Instrument:

While attempting to troubleshoot external standard issues with Fairbanks Airport PD I requested that Vance Enderle switch tanks with Fairbanks PD and test their tank on his instrument because they were using a different lot. Fairbanks PD's tank was removed and Vance tested Fairbanks Airport's tank in Fairbanks PD's DMT (100416). Both tanks had passing VOCs on FPD's instrument. When the Airport tank was attempted again it resulted in a series of interference status messages. I had Vance purge the sample chamber and gas lines, then reinstall FPD's original tank and perform a VOC. The VOC passed successfully. The VOC's performed are attached to this document.

Fairbanks Airport PD Tank - AG735001 EXP 12/16/2019

Fairbanks PD Tank - AG634001 EXP 12/05/2018

*COB 4/16/18*

If instrument was placed in service or removed from service, fill out the appropriate sections below.

In Service Date/Time: NA

Out of Service Date/Time: NA

For Use by SCDL

Additional Notes

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Email completed form to [dps.scdl.toxicology@alaska.gov](mailto:dps.scdl.toxicology@alaska.gov)

For questions contact the Breath Alcohol Program at 907-269-5740

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100416

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 04/10/2018

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.11: 0.078  
LOT #: AG735001  
EXPIRATION: 12/16/2019  
TANK PRESSURE: 1057 psi

BLANK TEST	0.000	06:05
INTERNAL STANDARD	VERIFIED	06:05
EXTERNAL STANDARD	0.082	06:06
BLANK TEST	0.000	06:06
EXTERNAL STANDARD	0.081	06:07
BLANK TEST	0.000	06:08
EXTERNAL STANDARD	0.082	06:08
BLANK TEST	0.000	06:09
EXTERNAL STANDARD	0.081	06:09
BLANK TEST	0.000	06:10
EXTERNAL STANDARD	0.082	06:10
BLANK TEST	0.000	06:11

Average = 0.0816  
Std Dev = 0.0005

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.8°C PASSED  
Breath Tube = 48.1°C PASSED

### PUMP INFO

Flow Rate = 4.743 L/M PASSED

### DETECTOR INFO

PUMP ON PASSED  
PUMP OFF PASSED

### FILTER INFO

Filter 1 PASSED  
Filter 2 PASSED  
Filter 3 PASSED

INTERNAL STANDARD PASSED

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100416

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 04/10/2018

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.10: 0.078  
LOT #: AG634001  
EXPIRATION: 12/05/2018  
TANK PRESSURE: 1004 psi

BLANK TEST	0.000	06:52
INTERNAL STANDARD	VERIFIED	06:52
EXTERNAL STANDARD	0.077	06:52
BLANK TEST	0.000	06:53
EXTERNAL STANDARD	0.076	06:53
BLANK TEST	0.000	06:54
EXTERNAL STANDARD	0.076	06:54
BLANK TEST	0.000	06:55
EXTERNAL STANDARD	0.076	06:55
BLANK TEST	0.000	06:56
EXTERNAL STANDARD	0.076	06:57
BLANK TEST	0.000	06:57

Average = 0.0762  
Std Dev = 0.0004

## Diagnostic Check

### VERSIONS

DMT: 3.02  
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 = 4.783 L/M PASSED

### DETECTOR INFO

PUMP ON PASSED  
PUMP OFF PASSED

### FILTER INFO

Filter 1 PASSED  
Filter 2 PASSED  
Filter 3 PASSED

INTERNAL STANDARD PASSED

# VERIFICATION OF CALIBRATION REPORT

*of DataMaster dmt Breath Test Instrument*

*State of Alaska*

Serial #: 100416

*Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program*

Date: 04/11/2018

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 28.90: 0.077  
LOT #: AG735001  
EXPIRATION: 12/16/2019  
TANK PRESSURE: 1025 psi

BLANK TEST	0.000	08:14
INTERNAL STANDARD	VERIFIED	08:14
EXTERNAL STANDARD	INTERFERENCE	08:14

Interference Detected

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.7°C	PASSED
Breath Tube = 48.1°C	PASSED

### PUMP INFO

Flow Rate = 4.838 L/M	PASSED
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### DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

### INTERNAL STANDARD

PASSED

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# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100416

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 04/11/2018

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 28.89: 0.077  
LOT #: AG735001  
EXPIRATION: 12/16/2019  
TANK PRESSURE: 1022 psi

BLANK TEST	0.000	08:18
INTERNAL STANDARD	VERIFIED	08:18
EXTERNAL STANDARD	0.082	08:19
BLANK TEST	0.000	08:20
EXTERNAL STANDARD	INTERFERENCE	08:20

Interference Detected

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.8°C	PASSED
Breath Tube = 48.0°C	PASSED

### PUMP INFO

Flow Rate = 4.862 L/M	PASSED
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### DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD	PASSED
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# VERIFICATION OF CALIBRATION REPORT

*of DataMaster dmt Breath Test Instrument*

*State of Alaska*

Serial #: 100416

*Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program*

Date: 04/11/2018

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 28.90: 0.077  
LOT #: AG735001  
EXPIRATION: 12/16/2019  
TANK PRESSURE: 1015 psi

BLANK TEST	0.000	08:23
INTERNAL STANDARD	VERIFIED	08:24
EXTERNAL STANDARD	INTERFERENCE	08:24

Interference Detected

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.8°C	PASSED
Breath Tube = 47.5°C	PASSED

### PUMP INFO

Flow Rate = 4.899 L/M	PASSED
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### DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

### INTERNAL STANDARD

PASSED

# VERIFICATION OF CALIBRATION REPORT

*of DataMaster dmt Breath Test Instrument*

*State of Alaska*

Serial #: 100416

*Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program*

Date: 04/11/2018

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 28.90: 0.077  
LOT #: AG634001  
EXPIRATION: 12/05/2018  
TANK PRESSURE: 955 psi

BLANK TEST	0.000	08:32
INTERNAL STANDARD	VERIFIED	08:32
EXTERNAL STANDARD	INTERFERENCE	08:32

Interference Detected

## Diagnostic Check

### VERSIONS

DMT: 3.02  
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 = 4.867 L/M	PASSED
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### DETECTOR INFO

PUMP ON	PASSED
PUMP OFF	PASSED

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

### INTERNAL STANDARD

PASSED

# VERIFICATION OF CALIBRATION REPORT

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Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 04/11/2018

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 28.90: 0.077  
LOT #: AG634001  
EXPIRATION: 12/05/2018  
TANK PRESSURE: 918 psi

BLANK TEST	0.000	08:49
INTERNAL STANDARD	VERIFIED	08:49
EXTERNAL STANDARD	0.076	08:49
BLANK TEST	0.000	08:50
EXTERNAL STANDARD	0.076	08:50
BLANK TEST	0.000	08:51
EXTERNAL STANDARD	0.076	08:51
BLANK TEST	0.000	08:52
EXTERNAL STANDARD	0.075	08:52
BLANK TEST	0.000	08:53
EXTERNAL STANDARD	0.076	08:53
BLANK TEST	0.000	08:54

Average = 0.0758  
Std Dev = 0.0004

## Diagnostic Check

### VERSIONS

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

### TEMPERATURES

Sample Chamber = 48.8°C PASSED  
Breath Tube = 48.1°C PASSED

### PUMP INFO

Flow Rate = 4.845 L/M PASSED

### DETECTOR INFO

PUMP ON PASSED  
PUMP OFF PASSED

### FILTER INFO

Filter 1 PASSED  
Filter 2 PASSED  
Filter 3 PASSED

INTERNAL STANDARD PASSED