

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100418
Start Date: 8/27/24

Analyst(s): Kaya Swisher

Reason for Repair

Double check valve not secured to wall.

Troubleshooting/Repair

Used epoxy to adhere double check valve to wall.

- | | |
|--|--|
| <input checked="" type="checkbox"/> VOC (attached) | <input checked="" type="checkbox"/> Verify software version |
| <input checked="" type="checkbox"/> VOC Internal Standard value \leq 3.00% | <input checked="" type="checkbox"/> Non-Drinking Subject Test (attached) |
| <input type="checkbox"/> Ready for Adjustment | <input checked="" type="checkbox"/> Ready for Calibration |
| <input type="checkbox"/> Further Repair Needed | <input type="checkbox"/> Return to Factory |
| <input type="checkbox"/> Proceed to Close Out | |

End Date: 8/28/24

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100418

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/28/2024

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.46: 0.079
LOT #: AG335202
EXPIRATION: 12/18/2025
TANK PRESSURE: 750 psi

| | | |
|-----------------------------------|----------|-------|
| BLANK TEST | 0.000 | 08:37 |
| INTERNAL STANDARD | VERIFIED | 08:37 |
| Xq = 0.065 (1.83%) | | |
| EXTERNAL STANDARD | 0.078 | 08:37 |
| X[1] = 0.0775 (-0.0015) (-0.0006) | | |
| BLANK TEST | 0.000 | 08:38 |
| EXTERNAL STANDARD | 0.077 | 08:39 |
| X[1] = 0.0774 (-0.0014) (-0.0010) | | |
| BLANK TEST | 0.000 | 08:39 |
| EXTERNAL STANDARD | 0.078 | 08:40 |
| X[1] = 0.0780 (-0.0004) (-0.0001) | | |
| BLANK TEST | 0.000 | 08:41 |
| EXTERNAL STANDARD | 0.078 | 08:41 |
| X[1] = 0.0781 (-0.0006) (-0.0008) | | |
| BLANK TEST | 0.000 | 08:42 |
| EXTERNAL STANDARD | 0.078 | 08:42 |
| X[1] = 0.0777 (-0.0014) (-0.0009) | | |
| BLANK TEST | 0.000 | 08:43 |

Average = 0.0778
Std Dev = 0.0004

Diagnostic Check

VERSIONS

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

TEMPERATURES

| | |
|-------------------------|--------|
| Sample Chamber = 49.0°C | PASSED |
| (44.0°C - 52.0°C) | |
| Breath Tube = 47.7°C | PASSED |
| (38.0°C - 50.0°C) | |

SETTINGS

| | |
|-------------------------|--------|
| Lamp Voltage = 1.85 V | PASSED |
| (1.12 V - 2.60 V) | |
| Cooler Voltage = 1.73 V | PASSED |
| (1.12 V - 2.60 V) | |
| Bias Voltage = 80 V | PASSED |
| (48 V - 112 V) | |
| Chopper Freq = 513 Hz | PASSED |
| (475 Hz - 575 Hz) | |
| Barometer = 29.5 in | |

PUMP INFO

| | |
|-------------------------|--------|
| Flow Rate = 4.874 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 = 0.065 | 1.44% | (0.00% - 4.00%) | PASSED |
|------------|-------|-----------------|--------|

SUBJECT TEST

Alaska Department of Public Safety

DATAMASTER dmt: 100418

Date: 08/28/2024

Time: 11:19:53

SUBJECT NAME:

TEST TEST

LICENSE #: XXX

OPERATOR NAME:

KAIJA SWISHER

OPERATOR'S #: 10746

DEPT/AGENCY:

TEST

CASE/REPORT: XXX

TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080

TARGET AT 29.50: 0.079

LOT #: AG335202

EXPIRATION: 12/18/2025

| DIAGNOSTIC CHECK | PASSED | 11:21 |
|----------------------------|----------|-------|
| BLANK TEST | 0.000 | 11:21 |
| INTERNAL STANDARD | VERIFIED | 11:21 |
| EXTERNAL STANDARD | 0.078 | 11:21 |
| BLANK TEST | 0.000 | 11:22 |
| SUBJECT SAMPLE (Vol=1.78L) | 0.000 | 11:23 |
| BLANK TEST | 0.000 | 11:24 |
| EXTERNAL STANDARD | 0.078 | 11:24 |
| BLANK TEST | 0.000 | 11:25 |

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