

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100360
Start Date: 1/3/23

Analyst(s): C. O. Bryant

Reason for Repair

Gas flow error following adjustment.

Troubleshooting/Repair

Replaced the regulator and completed a
VOC + non-drinking test.

- | | |
|--|--|
| <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 | COB 2023.01.17 |
| <input type="checkbox"/> Further Repair Needed | <input checked="" type="checkbox"/> Ready for Calibration |
| <input type="checkbox"/> Proceed to Close Out | <input type="checkbox"/> Return to Factory |

End Date: 1/3/23

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100360

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/03/2023

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.13: 0.078
LOT #: AG113402
EXPIRATION: 05/14/2023
TANK PRESSURE: 665 psi

BLANK TEST	0.000	13:11
INTERNAL STANDARD	VERIFIED	13:11
Xq = 0.119	(0.67%)	
EXTERNAL STANDARD	0.076	13:11
X[1] = 0.0764	(-0.0004) (0.0000)	
BLANK TEST	0.000	13:12
EXTERNAL STANDARD	0.077	13:12
X[1] = 0.0766	(-0.0024) (0.0005)	
BLANK TEST	0.000	13:13
EXTERNAL STANDARD	0.076	13:13
X[1] = 0.0765	(-0.0012) (0.0006)	
BLANK TEST	0.000	13:14
EXTERNAL STANDARD	0.077	13:15
X[1] = 0.0766	(-0.0005) (0.0007)	
BLANK TEST	0.000	13:15
EXTERNAL STANDARD	0.077	13:16
X[1] = 0.0771	(-0.0016) (0.0008)	
BLANK TEST	0.000	13:17

Average = 0.0766
Std Dev = 0.0005

Diagnostic Check

VERSIONS

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 39.8°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 2.01 V	PASSED
(1.21 V - 2.81 V)	
Cooler Voltage = 1.66 V	PASSED
(0.99 V - 2.31 V)	
Bias Voltage = 80 V	PASSED
(48 V - 112 V)	
Chopper Freq = 521 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.1 in	

PUMP INFO

Flow Rate = 4.675 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

Xq = 0.119	(0.52%)	(0.00% - 4.00%)	PASSED
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SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100360

Date: 01/03/2023
Time: 13:19:15

SUBJECT NAME:
TEST TEST
LICENSE #: NON-DRINKING

OPERATOR NAME:
COLLEEN S O'BRYAN
OPERATOR'S #: 6237

DEPT/AGENCY:
AAA1
CASE/REPORT: 23-1234
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.13: 0.078
LOT #: AG113402
EXPIRATION: 05/14/2023

DIAGNOSTIC CHECK	PASSED	13:20
BLANK TEST	0.000	13:20
INTERNAL STANDARD	VERIFIED	13:20
EXTERNAL STANDARD	0.078	13:20
BLANK TEST	0.000	13:21
SUBJECT SAMPLE (Vol=2.36L)	0.000	13:22
BLANK TEST	0.000	13:23
EXTERNAL STANDARD	0.077	13:23
BLANK TEST	0.000	13:24

