

Alaska Scientific Crime Detection Laboratory

DataMaster Repair Form

Effective: 10/10/2022

Version: 1.0

Instrument #: 100665
Start Date: 1/3/23

Analyst(s): C. O'Bryant

Reason for Repair

Regulator is making a loud clicking noise with variable flow rate. Originally returned for PM.

Troubleshooting/Repair

Replaced regulator and completed a VOC and a non-drinking Subject test.

New regulator is not making loud clicking noises.

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|---|--|
| <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: 1/3/23

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100665

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 01/03/2023

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.14: 0.078
LOT #: AG135004
EXPIRATION: 12/16/2023
TANK PRESSURE: 830 psi

BLANK TEST	0.000	11:32
INTERNAL STANDARD	VERIFIED	11:32
Xq = 0.128	(0.62%)	
EXTERNAL STANDARD	0.075	11:32
X[1] = 0.0750 (-0.0004)	(0.0021)	
BLANK TEST	0.000	11:33
EXTERNAL STANDARD	0.075	11:34
X[1] = 0.0753 (-0.0001)	(0.0017)	
BLANK TEST	0.000	11:34
EXTERNAL STANDARD	0.076	11:35
X[1] = 0.0756 (-0.0006)	(0.0018)	
BLANK TEST	0.000	11:36
EXTERNAL STANDARD	0.076	11:36
X[1] = 0.0756 (-0.0004)	(0.0016)	
BLANK TEST	0.000	11:37
EXTERNAL STANDARD	0.076	11:37
X[1] = 0.0758 (-0.0007)	(0.0010)	
BLANK TEST	0.000	11:38

Average = 0.0756
Std Dev = 0.0005

Diagnostic Check

VERSIONS

DMT: 3.02
PIC: 3.03
Modem: 2.6
Questions: 2.2

TEMPERATURES

Sample Chamber = 48.8°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 39.9°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.70 V	PASSED
(0.98 V - 2.30 V)	
Cooler Voltage = 1.67 V	PASSED
(1.03 V - 2.41 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 529 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.1 in	

PUMP INFO

Flow Rate = 5.094 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 = 0.128	(0.76%)	(0.00% - 4.00%)
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SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100665

Date: 01/03/2023
Time: 11:39:35

SUBJECT NAME:
TEST TEST
LICENSE #: NON-DRINKING

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

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.080
TARGET AT 29.14: 0.078
LOT #: AG135004
EXPIRATION: 12/16/2023

DIAGNOSTIC CHECK	PASSED	11:40
BLANK TEST	0.000	11:40
INTERNAL STANDARD	VERIFIED	11:40
EXTERNAL STANDARD	0.076	11:41
BLANK TEST	0.000	11:42
SUBJECT SAMPLE (Vol=2.01L)	0.000	11:42
BLANK TEST	0.000	11:43
EXTERNAL STANDARD	0.077	11:43
BLANK TEST	0.000	11:44

