

Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 1004116

Analyst(s): Carlie Glaister

Start Date: 8/22/2022

Reason for instrument evaluation

Inoperable screen

Visual Inspection

- | | |
|---|---|
| <input checked="" type="checkbox"/> Clean | <input checked="" type="checkbox"/> Replace missing screws |
| <input checked="" type="checkbox"/> Cermetex Box (modem) is secure | <input checked="" type="checkbox"/> Ensure modem cable present |
| <input checked="" type="checkbox"/> Double Check Valve secured to wall | <input checked="" type="checkbox"/> All tubing and connections secure |
| <input checked="" type="checkbox"/> O-ring inspection and ensure 2 replacement O-rings in bag | |

Troubleshooting/Repair

Installed screen. Screen appears to operate normally during remainder of evaluation. Reset options due to subject test requiring multiple subject samples.

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

End Date: 8/22/2022

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Approved by: Chemistry Supervisor

VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100416

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 08/22/2022

External Standard Test Values

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080
TARGET AT 29.62: 0.079
LOT #: AG113402
EXPIRATION: 05/14/2023
TANK PRESSURE: 1033 psi

BLANK TEST	0.000	14:15
INTERNAL STANDARD	VERIFIED	14:15
Xq = 0.080 (0.33%)		
EXTERNAL STANDARD	0.077	14:15
X[1] = 0.0771 (-0.0009) (-0.0007)		
BLANK TEST	0.000	14:16
EXTERNAL STANDARD	0.077	14:16
X[1] = 0.0774 (-0.0011) (-0.0003)		
BLANK TEST	0.000	14:17
EXTERNAL STANDARD	0.077	14:17
X[1] = 0.0772 (-0.0005) (-0.0006)		
BLANK TEST	0.000	14:18
EXTERNAL STANDARD	0.077	14:18
X[1] = 0.0773 (-0.0006) (0.0002)		
BLANK TEST	0.000	14:19
EXTERNAL STANDARD	0.077	14:20
X[1] = 0.0772 (-0.0007) (-0.0006)		
BLANK TEST	0.000	14:20

Average = 0.0770
Std Dev = 0.0000

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 = 43.4°C	PASSED
(38.0°C - 50.0°C)	

SETTINGS

Lamp Voltage = 1.60 V	PASSED
(0.95 V - 2.21 V)	
Cooler Voltage = 1.53 V	PASSED
(0.98 V - 2.30 V)	
Bias Voltage = 82 V	PASSED
(49 V - 115 V)	
Chopper Freq = 520 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.6 in	

PUMP INFO

Flow Rate = 4.744 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	PASSED
Xq = 0.080 0.22%	(0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100416

Date: 08/22/2022
Time: 14:33:57

SUBJECT NAME:
TEST TEST
LICENSE #: XXXX

OPERATOR NAME:
CARLIE GLAISTER
OPERATOR'S #: 10436

DEPT/AGENCY:
NON-DRINKING SUBJECT TEST
CASE/REPORT: XXXX
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080	PASSED	14:35	
TARGET AT 29.61: 0.079	0.000	14:35	
LOT #: AG113402	INTERNAL STANDARD	14:35	
EXPIRATION: 05/14/2023	0.078	14:35	
	0.000	14:36	
	SUBJECT SAMPLE (Vol=2.22L)	0.000	14:36
	0.000	14:37	0.000
	EXTERNAL STANDARD	0.078	14:37
	0.000	14:38	0.000

