Alaska Scientific Crime Detection Laboratory

DataMaster Evaluation Form Issued: 05/15/2020 Version: DMEF 2020 R0 Effective: 05/15/2020 Status: Active Instrument # /00350 Analysts: Derch Watter Start Date: 02/04/21 Reason for instrument evaluation Returbished by manufacturer, repaired for communications errors and maxed cooler voltage Visual Inspection Replace missing screws Clean Cermetex Box is secure Ensure modem cable present Gas Valve upright or secured to wall All tubing and connections are secure O-ring inspection and ensure 2 O-rings in replacement bag Troubleshooting/Repair Controller board meditication present micros blocks taped

Kitter wires courted separately, source block is tight,

Fifter which assembly feels good. Adjusted lamp and cooler voltages. voc failed due to internal standard value. VOC (attached) Internal Standard value $\leq 3.00\%$ NO - 6.35 % Verify software version Ready for Calibration Return to Factory for Repair Proceed to Close Out Ready for Certification End Date: 02/04/21 Page 1 of 1

Approved by Chemistry Supervisor

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DIAGNOSTIC RECORD

Alaska Department of Public Safety

DATAMASTER dmt: 100350

Date: 02/04/2021 Time: 11:24:58

VERSIONS
DMT: 3.02
PIC: 3.02
Modem: 2.6

Questions: 2.2

TEMPERATURES

Sample Chamber = 48.6°C PASSED (44.0°C - 52.0°C) Breath Tube = 41.9°C PASSED (38.0°C - 50.0°C)

SETTINGS

Lamp Voltage = 1.52 V PASSED
(0.93 V - 2.17 V)
Cooler Voltage = 1.52 V PASSED
(0.92 V - 2.16 V)
Bias Voltage = 81 V PASSED
(49 V - 113 V)
Chopper Freq = 528 Hz PASSED
(475 Hz - 575 Hz)
Barometer = 30.0 in

PUMP INFO

Flow Rate = 5.452 L/M PASSED (3.500 L/M - 6.500 L/M)

DETECTOR INFO

FILTER INFO

Filter 1 PASSED Filter 2 PASSED Filter 3 PASSED

INTERNAL STANDARD FAILED Xq = 0.114 6.35% (0.00% - 4.00%)