



DMT Technical Support Inquiry

DMT Serial #: 100158
 Agency/Site: Northfield PD
 Date: 7/9/2021
 DMT Supervisor: Michael Gero

Problem:

The DMT had several failed RPCs due to various errors. VFL staff also noted that the standard deviation on the A&P testing portion of the RPC was on the higher end. See 100158 RPC Northfield PD 07072021 packet for the email chain with the DMT supervisor.

Work Performed:

While performing the APM, VFL staff failed the first test at the RF detection stage due to an increase in voltage without a subsequent RF error. The RF sensitivity was adjusted and the test repeated. During the second test, the first test result for the A&P check was a 0.102, which was higher than the previous average for the A&P test. This test result was promptly followed by a blank error. The area was free of potential contaminants and the voltage was consistent over the course of a minute. An A&P test was run with no errors. No leaks were found in the system. The APM was repeated and completed without error. The Xq value changed significantly over the course of the APM testing. VFL staff will continue to monitor for future issues.

Performed On Site
 Performed In house

Performed By: Sarah Stratton *SSS* Date: 7/13/2021
 Technical Reviewer: *[Signature]* Date: 7/20/21
 Administrative Reviewer: *[Signature]* Date: 7/21/21
 Director Reviewer: *[Signature]* Date: 7/22/2021



ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100158
 Location: NORTHFIELD PD

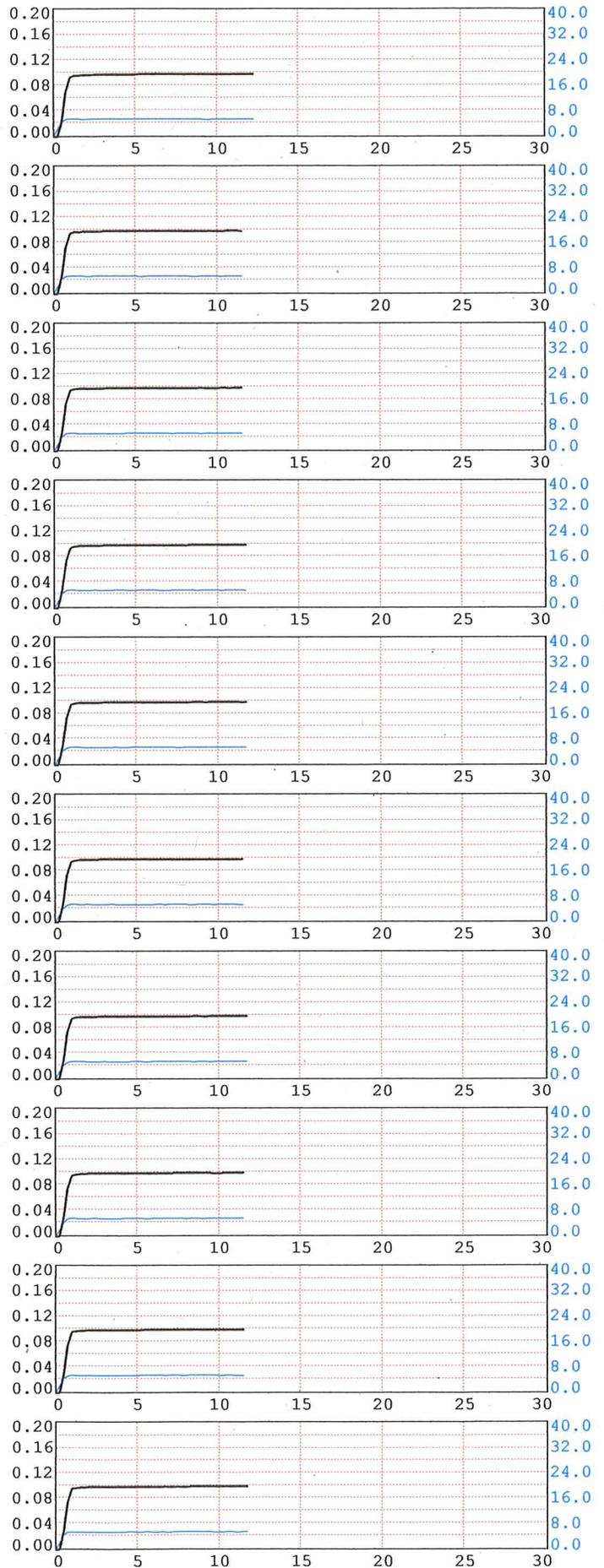
Date: 07/09/2021
 Time: 12:12:13

SUPERVISOR NAME:
 SARAH STRATTON

SOLUTION LOT #: 21-04-100
 SOLUTION CONCENTRATION: 0.100

BLANK TEST	0.000	12:13
CALIBRATION CHECK	PASSED	12:13
SIMULATOR VAPOR 34.0°C	0.098	12:13
SIMULATOR VAPOR 34.0°C	0.099	12:14
SIMULATOR VAPOR 34.0°C	0.099	12:15
SIMULATOR VAPOR 34.0°C	0.099	12:16
SIMULATOR VAPOR 34.0°C	0.099	12:18
SIMULATOR VAPOR 34.0°C	0.099	12:19
SIMULATOR VAPOR 34.0°C	0.099	12:20
SIMULATOR VAPOR 34.0°C	0.099	12:21
SIMULATOR VAPOR 34.0°C	0.099	12:22
SIMULATOR VAPOR 34.0°C	0.099	12:23
BLANK TEST	0.000	12:24

Average = 0.098
 Std Dev = 0.0003



100158

8.98

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ACCURACY & PRECISION REPORT

STATE OF VERMONT

DataMaster DMT: 100158
 Location: NORTHFIELD PD

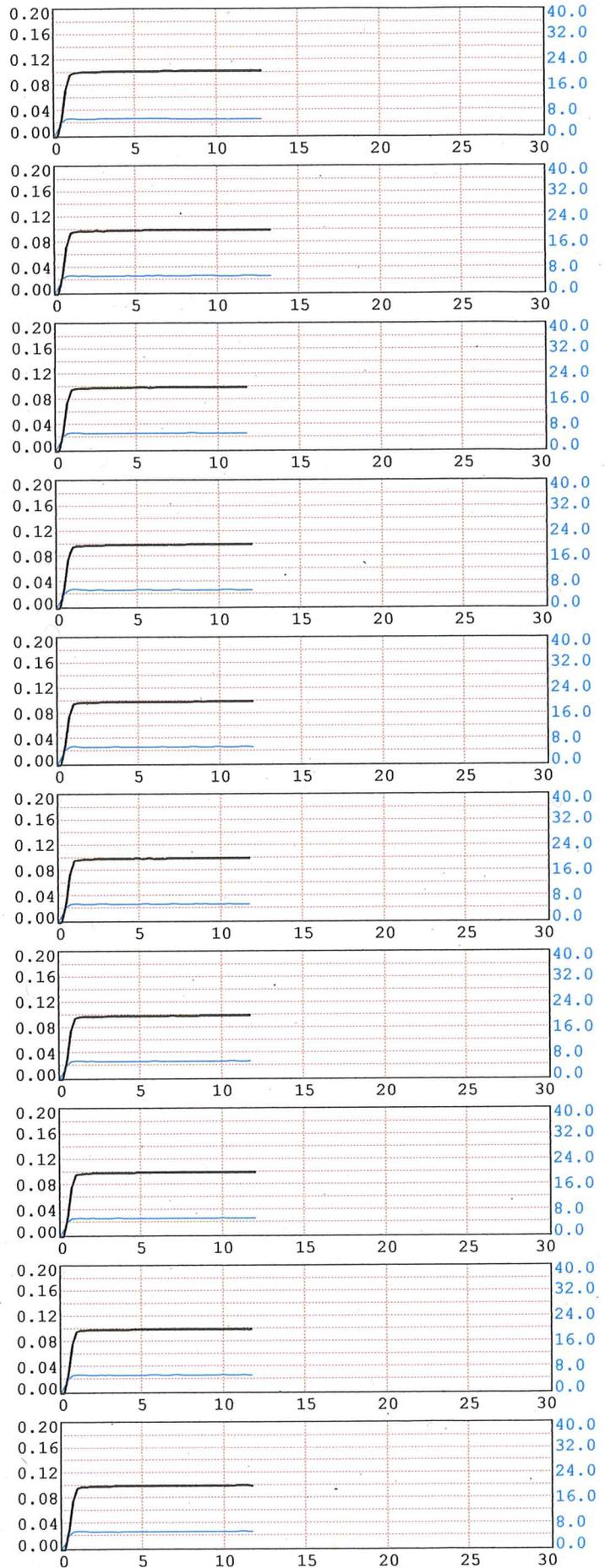
Date: 06/24/2021
 Time: 19:22:55

SUPERVISOR NAME:
 MICHAEL R GERO

SOLUTION LOT #: 21-04-100
 SOLUTION CONCENTRATION: 0.100

BLANK TEST	0.000	19:23
CALIBRATION CHECK	PASSED	19:24
SIMULATOR VAPOR 34.0°C	0.103	19:24
SIMULATOR VAPOR 34.0°C	0.100	19:25
SIMULATOR VAPOR 34.0°C	0.100	19:26
SIMULATOR VAPOR 34.0°C	0.100	19:28
SIMULATOR VAPOR 34.0°C	0.100	19:29
SIMULATOR VAPOR 34.0°C	0.100	19:30
SIMULATOR VAPOR 34.0°C	0.100	19:31
SIMULATOR VAPOR 34.0°C	0.100	19:32
SIMULATOR VAPOR 34.0°C	0.100	19:33
SIMULATOR VAPOR 34.0°C	0.100	19:34
BLANK TEST	0.000	19:35

Average = 0.100
 Std Dev = 0.0009



Re: DMT errors

Gero, Michael <Michael.Gero@vermont.gov>

Thu 2021-06-24 9:03 PM

To: DPS - DMT <DPS.DMT@vermont.gov>

Hello;

Having email issues, so apologies if you already got this information.

I ran the A&C with the average being .100 same as the solution with a standard deviation of .0009.

All connections appear secure and there are no alcohol products near the DMT.

I tried the 244 number but it tones a bust signal.

VR

Gero, Michael

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From: DPS - DMT <DPS.DMT@vermont.gov>

Sent: Thursday, June 24, 2021 1:22:29 PM

To: Gero, Michael <Michael.Gero@vermont.gov>

Subject: Re: DMT errors

Good afternoon,

The diagnostic portion of your RPC looked fine. Did anything change between that and the accuracy and precision section? Are there any bottles of hand sanitizer or other cleaning chemicals located near the instrument? Please double check the connection between the simulator and the DMT to make sure it is securely clicked in place. Then try running an Accuracy and Precision check from the options menu. You can call either myself or Jeff for further troubleshooting. I will be available after 7 PM at [REDACTED]

Thank you,

Sarah Stratton

Forensic Chemist

Vermont Forensic Laboratory

sarah.stratton@vermont.gov

(802) 241-5322

From: Gero, Michael <Michael.Gero@vermont.gov>

Sent: Wednesday, June 23, 2021 10:50 PM

To: DPS - DMT <DPS.DMT@vermont.gov>

Subject: DMT errors

Hello;

When attempting the RPC I first got a Blank Error about 4 checks in, I retried and got a Calibration Error. I ORI 1800-0600 hour shifts.

Respectfully

Corporal Michael R. Gero

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