

In Field Instrument Review
Date Range: 2022.07.19 – 2022.09.05
Review Completed on 2022.09.26 by Carlie Glaister

2022-07-19-2022-09-05 was posted to the website incomplete, without the accompanying data. This is now amended, CKG 11/23/2022.

Status Messages and Action Taken

100346 (Kenai PD): 1/20 Pump Error on Subject Tests, followed by a completed test – No action taken.

100354 (Haines PD): 1/4 RFI on Subject Tests – No action taken.

100355 (Homer PD): 2/44 RFI on Subject Tests, 1/44 Pump Error on Subject Tests, 1/44 Blank Error on Subject Tests, 1/44 Ambient Fail on Subject Tests. Status messages were later followed by completed tests – No action taken.

100357 (Wrangell PD): 1/8 Pump Error on Subject Tests, followed by a completed test – No action taken.

100358 (AST/Mat-Su West): 4/26 RFI on Subject Tests, 1/26 Pump Error on Subject Tests. All followed by completed tests – No action taken.

100364 (Anchorage Airport PD): 2/27 Blank Error on Subject Tests (followed by completed tests), 3/27 Diagnostic Failed due to breath tube temperature being too low on Subject Tests (all on same subject after Maximum Attempts Exceeded status message, did not recur during this period) – No action taken.

100365 (Fairbanks PD): 4/24 Internal Standard Errors on Subject Tests. Removed from service due to Internal Standard Errors on 08/27/2022 (100365 2022.09.22 Change In Status).

100367 (Seward PD): 2/19 RFI on Subject Tests (followed by completed tests), 4/19 Standard Out of Range on Subject Tests (all occurred consecutively on 7/28/2022 between 7:21 – 7:34 PM), 2/5 Standard Out of Range on VOC Tests (occurred consecutively on 7/28/2022 at 7:39 PM and 7:50 PM). A tank change occurred on 7/28/2022 at 7:50 PM. Standard Out of Range status message did not recur after 7/28/2022 during this review period (100367 2022.09.26 Change In Status) – Recommend monitoring.

100373 (Anchorage PD): 2/104 Pump Error on Subject Tests, 2/104 Ambient Fail on Subject Tests. All followed by completed tests – No action taken.

100374 (AST/Delta): 1/1 RFI on VOC Tests, followed by a completed VOC on 09/12/2022 – No action taken.

100385 (AST/Fairbanks): 1/46 RFI on Subject Tests – No action taken.

100387 (Palmer PD): 4/50 RFI on Subject Tests, 1/50 Blank Error on Subject Tests (followed by a completed test) – No action taken.

100402 (AST/Tok): 1/4 RFI on Subject Tests – No action taken.

100403 (Wasilla PD): 1/39 Pump Error on Subject Tests (occurred on a TEST sample) – No action taken.

100405 (Fairbanks Airport PD): 1/3 Tank Interference on VOC Tests (occurred on 8/18/2022 at 9:15 AM). Tank change occurred on 8/18/2022 at 9:14 AM – No action taken.

100421 (JBER): 1/8 Pump Error on Subject Tests, 1/8 Standard Out of Range on Subject Tests. All status messages occurred on TEST samples – No action taken.

100422 (JBER): 13/50 RFI on Subject Tests, 4/50 Ambient Fail on Subject Tests (3 followed by completed tests, 1 on TEST sample), 1/50 Detector Overflow on Subject Tests (occurred on TEST sample). Potential cause of RFI identified see Change In Instrument Status Form (100422 2022.09.07 Change In Status) – Continue monitoring.

100669 (AST/Soldotna): 2/30 RFI on Subject Tests – No action taken.

100693 (Juneau PD): 2/4 Blank Error on Subject Tests, both occurred on same individual with an elevated alcohol level followed by a completed test – Discontinue monitoring.

100694 (JAF PD): 1/3 Internal Standard Error on Subject Tests, followed by a completed test. Instrument removed from service on 08/22/2022 due to screen issues (100694 2022.08.22 Change In Instrument Status Form).

100697 (Anchorage Police Department): 3/102 Pump Error on Subject Tests, 1/102 Subject Interference on Subject Tests, 1/102 Ambient Fail on Subject Tests. Status messages were later followed by completed tests – No action taken.

100698 (AST/Glennallen): 1/9 RFI on Subject Tests – No action taken.

100699 (Valdez PD): 1/5 Blank Error on Subject Tests, 1/5 Standard Out of Range on Subject Tests. Both status messages occurred on the same individual followed by a completed test that was negative for alcohol – Recommend monitoring.

Follow Up from Previous In Field Instrument Review

100391 (AST/Willow): Instrument being monitored for Standard Out of Range status messages. No status messages occurred during this review period. External standard readings on tests appear normal – Discontinue monitoring.

100395 (Fairbanks Airport PD): Instrument removed from service on 8/18/2022 due to Internal Standard Errors (100395 2022.08.18 Change In Status).

100422 (JBER): Instrument being monitored due to elevated frequency of RFI status messages. Potential cause of RFI identified see Change In Instrument Status Form (100422 2022.09.07 Change In Status) - Continue monitoring.

100687 (Galena PD): Instrument being monitored due to Tank Interference and Internal Standard Error status messages. No status messages occurred during this review period. However, aside from the VOC no additional tests occurred during this review period. An email was sent to the point of contact to request them to run some TEST subject tests to gather more data (100687 2022.09.22 Change In Status). Status messages including Interference Detected, Internal Standard Error, Blank Error during testing. Instrument removed from service on 09/23/2022 (100687 2022.09.23 Change In Status. Replacement DataMaster sent on 09/23/2022.

100693 (Juneau PD): Instrument being monitored due to Blank Errors. Blank Error status messages did recur, however the individual did have an elevated alcohol reading. It has been previously noted that

the room Juneau PD's DataMaster is in is small, and the Breath Test Supervisor is familiar with Blank Errors being common at this location (100693 2022.06.28 Change In Status). – Discontinue monitoring.

Agencies not included in this summary: NA

Subject Test Data

Serial Number	Total Subject Tests	Date Range								Total Tests		Total Messages		Ambient Fail		Internal Standard Error		Diagnostic Failed		Total Codes		
		RFI		Pump Error		Interference		Tank Interference		Blank Error		Standard Out of Range		Gas Flow Error		Ambient Fail		Internal Standard Error				
		7/19/2022	9/5/2022																			
100346	20	0	0%	1	5%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100354	4	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100355	44	2	5%	1	2%	0	0%	0	0%	1	2%	0	0%	0	0%	1	2%	0	0%	0	0%	5
100357	8	0	0%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100358	26	4	15%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	5
100364	27	0	0%	0	0%	0	0%	0	0%	2	7%	0	0%	0	0%	0	0%	0	0%	3	11%	5
100365	24	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4	17%	0	0%	0	0%	4
100367	19	2	11%	0	0%	0	0%	0	0%	0	0%	4	21%	0	0%	0	0%	0	0%	0	0%	6
100373	104	0	0%	2	2%	0	0%	0	0%	0	0%	0	0%	0	0%	2	2%	0	0%	0	0%	4
100385	46	1	2%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100387	50	4	8%	0	0%	0	0%	0	0%	1	2%	0	0%	0	0%	0	0%	0	0%	0	0%	5
100402	4	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100403	39	0	0%	1	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100421	8	0	0%	1	13%	0	0%	0	0%	0	0%	1	13%	0	0%	0	0%	0	0%	0	0%	2
100422	50	13	26%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4	8%	0	0%	0	0%	17
100669	30	2	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100693	4	0	0%	0	0%	0	0%	0	0%	2	50%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100694	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%	1
100697	102	0	0%	3	3%	1	1%	0	0%	0	0%	0	0%	0	0%	1	1%	0	0%	0	0%	5
100698	9	1	11%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100699	5	0	0%	0	0%	0	0%	0	0%	1	20%	1	20%	0	0%	0	0%	0	0%	0	0%	2
Total	815	31	4%	11	1%	1	0%	0	0%	7	1%	6	1%	0	0%	8	1%	5	1%	3	0%	72

The date range listed above represents the first and last dates of data generated from the DMHost report. The search range could be larger than the date range listed.

Subject Test Data

Serial Number	Total Subject Tests	User Abort		Detector Overflow		Barometer Error		Filter Wheel Error		Date Range		Total Tests		Total Messages		Samp Chamb Low	Breath Tube High	Static Analysis Error	Total Codes	
										7/19/2022	9/5/2022	815	0.1%	1	0.1%					
100422	50	0	0%	1	2%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
Total	815	0	0%	1	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1

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VOC Data

Serial Number	Total VOC Tests	Date Range								Total Tests		Total Messages								Total Codes				
		7/19/2022		9/5/2022		Blank Error				Standard Out of Range		Gas Flow Error		Ambient Fail		Internal Standard Error		Diagnostic Failed						
		0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%		0	0%	0	0%
100367	5	0	0%	0	0%	0	0%	0	0%	0	0%	2	40%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100374	1	1	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100405	3	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
Total	100	1	1%	0	0%	0	0%	1	1%	0	0%	2	2%	0	0%	0	0%	0	0%	0	0%	0	0%	4

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