

In Field Instrument Review
Date Range: 2024.02.22 – 2024.04.11
Review Completed on 2024.04.26 by Carlie Glaister

Status Messages and Action Taken

100342 (Bethel PD): 4/21 Pump Error on Subject Tests (all on the same subject), 3/21 Subject Interference on Subject Tests (all on the same subject), 3/21 Internal Standard on Subject Tests – **Recommend replacement**

100346 (Kenai PD): 1/16 RFI on Subject Tests – No action taken.

100348 (Metlakatla PD): 2/4 Standard Out of Range on Subject Tests, 2/4 Diagnostic Failed on Subject Tests due to breath tube temperature being too low, 2/5 Standard Out of Range on VOC Tests. Agency reached out for troubleshooting (100348 2024.04.01 Change In Status and attached emails). Standard Out of Range status message recurred – **Recommend replacement**

100351 (AST/Soldotna): 4/28 RFI on Subject Tests all followed by completed tests, 1/28 Blank Error on Subject Test followed by a completed test – No action taken.

100358 (AST/Mat-Su West): 1/16 RFI on Subject Tests followed by a completed test, 1/16 Blank Error on Subject Tests followed by a completed test – No action taken.

100361 (Anchorage PD): 3/127 RFI on Subject Tests, 1/127 Tank Interference on Subject Tests followed by a completed test, 2/127 Blank Error on Subject Tests, 1/127 Standard Out of Range on Subject Tests followed by a completed test, 2/127 Static Analysis Error on Subject Tests [occurred on two different subjects, one was followed by a completed test and the other was followed by a blank error (followed later by completed tests)] – **Recommend monitoring for Static Analysis error**

100369 (AST/Bethel): 1/6 Pump Error on Subject Tests, 1 Blank Error on Subject Tests, 1 Internal Standard Error on Subject Tests. Pump Error and Internal Standard Error occurred on the same subject (along with an Incomplete and Maximum Attempts Exceeded) – **Recommend monitoring for Internal Standard Error**

100380 (Ketchikan PD): 1/15 Pump Error on Subject Tests – No action taken.

100387 (Ft. Greely): 1/3 Pump Error on Subject Tests - No action taken.

100389 (AST/Fairbanks): 2/25 RFI on Subject Tests – No action taken.

100390 (Juneau PD): 3/16 Subject Interference on Subject Tests, all three occurred on the same subject – No action taken.

100392 (Homer PD): 2/11 Pump Error on Subject Tests, 2/11 Blank Error on Subject Tests, all status messages (in addition to 3 Incompletes) occurred on the same individual followed by a completed test, the breath test supervisor was contacted regarding repeated testing (100392 2024.04.24 Change In Status) – No further action taken.

100402 (AST/Tok): 1/9 RFI on Subject Tests – No action taken.

100403 (Wasilla PD): 1/33 Blank Error on Subject Tests followed by a completed test – No action taken.

100412 (Unalakleet PD): 1/5 Tank Interference on Subject Tests followed by a completed test – No action taken.

100413 (Fairbanks PD): 1/24 RFI on Subject Tests, 1/24 Subject Interference on Subject Tests followed by a completed test – No action taken.

100415 (Anchorage PD): 1/13 RFI on Subject Tests – No action taken.

100420 (Ft. Greely): 2/3 Subject Interference on Subject Tests, both on the same subject followed by a completed test – Instrument removed from service on 03/15/2024 for missing data files (100420 2024.03.15 Change In Status)

100422 (JBER): 4/21 RFI on Subject Tests, 1/21 Subject Interference on Subject Tests followed by a completed test, 1/21 Ambient Fail on Subject Tests – No action taken.

100665 (AST/Healy): 1/5 Pump Error on Subject Tests – No action taken.

100668 (North Pole PD): 1/12 Blank Error on Subject Tests followed by a completed test – No action taken.

100669 (Palmer PD): 10/60 RFI on Subject Tests, 2/60 Tank Interference on Subject Tests both occurring on TEST subject, 1/60 Blank Error on Subject Tests – Emailed Breath Test Supervisor for further on-site troubleshooting (100669 2024.04.25 Change In Status)

100681 (Soldotna PD): 1/9 RFI on Subject Tests – No action taken.

100697 (Anchorage PD): 1/106 RFI on Subject Tests, 2/106 Subject Interference on Subject Tests, 1/106 Blank Error on Subject Tests, 1/106 Ambient Fail on Subject Tests, 1/106 Diagnostic Failed on Subject Tests due to low tank pressure. Tank replaced by agency 4/10/2024 – No action taken.

100700 (UAF PD): 2/15 RFI on Subject Tests, 1/15 Subject Interference on Subject Tests followed by a completed test – No action taken.

Follow Up from Previous In Field Instrument Review

100351 (AST/Soldotna): Fewer RFI status messages this cycle.

100358 (AST/Mat-Su West): Fewer RFI status messages this cycle.

100366 (Kodiak PD): Monitored due to a Detector Overflow (Diagnostic Failed) on VOC test. This status message did not recur this cycle – Discontinue monitoring.

100404 (Kotzebue PD): Monitored due to Tank Interference status messages on VOC tests. This status message did not recur this cycle - Discontinue monitoring.

Agencies not included in this summary:

100364 (Nome PD): Instrument cannot currently upload nor retrieve datafiles onto a USB drive, last upload on 04/10/2024. Nome IT is working to restore modem line communication.

100381 (AST/Talkeetna): Instrument cannot currently upload, datafiles not sent at this time, last upload on 02/22/2024.

100395 (AST/Aniak): Instrument cannot currently upload, datafiles not sent at this time, last upload 03/10/2024.

100687 (King Cove PD): Instrument cannot upload, datafiles not sent at this time. Breath Test Supervisor is not available on-site until early May.

Subject Test Data

Serial Number	Total Subject Tests	Date Range								Total Tests								Total Codes				
		2/22/2024		4/11/2024		Blank Error		Standard Out of Range		Gas Flow Error		Ambient Fail		Internal Standard Error		Diagnostic Failure						
		Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%					
100342	21	0	0%	4	19%	3	14%	0	0%	0	0%	0	0%	0	0%	3	14%	0	0%	10		
100346	16	1	6%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1		
100348	4	0	0%	0	0%	0	0%	0	0%	2	50%	0	0%	0	0%	0	0%	2	50%	4		
100351	28	4	14%	0	0%	0	0%	0	0%	1	4%	0	0%	0	0%	0	0%	0	0%	5		
100358	16	1	6%	0	0%	0	0%	0	0%	1	6%	0	0%	0	0%	0	0%	0	0%	2		
100361	127	3	2%	0	0%	0	0%	1	1%	2	2%	1	1%	0	0%	0	0%	0	0%	7		
100369	6	0	0%	1	17%	0	0%	0	0%	1	17%	0	0%	0	0%	1	17%	0	0%	3		
100380	15	0	0%	1	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1		
100387	3	0	0%	1	33%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1		
100389	25	2	8%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2		
100390	16	0	0%	0	0%	3	19%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3		
100392	11	0	0%	2	18%	0	0%	0	0%	2	18%	0	0%	0	0%	0	0%	0	0%	4		
100402	9	1	11%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1		
100403	33	0	0%	0	0%	0	0%	0	0%	1	3%	0	0%	0	0%	0	0%	0	0%	1		
100412	5	0	0%	0	0%	0	0%	1	20%	0	0%	0	0%	0	0%	0	0%	0	0%	1		
100413	24	1	4%	0	0%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2		
100415	13	1	8%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1		
100420	3	0	0%	0	0%	2	67%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2		
100422	21	4	19%	0	0%	1	5%	0	0%	0	0%	0	0%	1	5%	0	0%	0	0%	6		
100665	5	0	0%	1	20%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1		
100668	12	0	0%	0	0%	0	0%	0	0%	1	8%	0	0%	0	0%	0	0%	0	0%	1		
100669	60	10	17%	0	0%	0	0%	2	3%	1	2%	0	0%	0	0%	0	0%	0	0%	13		
100681	9	1	11%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1		
100697	106	1	1%	0	0%	2	2%	0	0%	1	1%	0	0%	1	1%	0	0%	1	1%	6		
100700	15	2	13%	0	0%	1	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3		
Total	717	32	4%	10	1%	13	2%	4	1%	11	2%	3	0%	0	0%	2	0%	4	1%	3	0%	82

**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	
										2/22/2024	4/11/2024	717	0.3%	2	0.3%					
100361	127	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	2%	2
Total	717	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	0%	2

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VOC Data

Serial Number	Total VOC Tests	RFI		Pump Error		Interference		Tank Interference		Date Range		Total Tests		Total Messages		Blank Error		Standard Out of Range		Gas Flow Error		Ambient Fail		Internal Standard Error		Diagnostic Failed		Total Codes
										2/23/2024	4/11/2024	2	91	2	2.2%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
100348	5	0	0%	0	0%	0	0%	0	0%	0	0%	2	40%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
Total	91	0	0%	0	0%	0	0%	0	0%	0	0%	2	2%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2

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