

**In Field Instrument Review**  
**Date Range: 2024.04.12 – 2024.05.30**  
**Review Completed on 2024.06.17 by Colleen O’Bryant**

**Status Messages and Action Taken**

**100342 (Bethel PD):** 3/6 Internal Standard Error on Subject Tests (all on the same subject), Replacement instrument shipped 4/30/2024, (100342 2024.05.20 Change In Status) – Instrument removed from service.

**100348 (Metlakatla PD):** 3/6 Diagnostic Failed on Subject Tests due to breath tube temperature being too low. Agency reached out for replacement instrument (100348 2024.06.07 Change In Status) – Instrument removed from service.

**100351 (AST/Soldotna):** 2/47 RFI on Subject Tests all followed by completed tests, 1/47 Interference on subject tests, 5/47 Blank Error on Subject Test often followed by 6/47 tank interference, 1/4 Blank error on VOC Tests. Agency reached out for troubleshooting regarding tank interference status messages. No additional tank interference status messages since tank change occurred on 2024.05.24. (100351 2024.06.20 Change In Status) – No action taken.

**100357 (Wrangell PD)** – 1/4 Undefined error on VOC – Successfully completed VOC 1 hour after on 2024.05.30. – No action taken.

**100358 (AST/Mat-Su West):** 1/9 RFI on Subject Tests followed by a completed test – No action taken.

**100361 (Anchorage PD):** 2/151 RFI on Subject Tests, 6/151 Blank Error on Subject Tests, 1/151 Ambient Fail on Subject Tests followed by a completed test – No action taken.

**100366 (Kodiak PD):** 1/16 RFI on Subject Tests followed by a completed test – No action taken.

**100369 (AST/Bethel):** 1/3 Blank error on subject tests followed by a completed test – No action taken.

**100371 (Whittier PD):** 1/2 Standard out of Range on “test/test” followed by a completed test, 1/1 RFI on VOC, next successful VOC occurred on 2024.06.14. – Recommend Monitoring for RFI Status Messages.

**100377 (SCDL)** – 1/6 Filter Wheel Error on Subject Tests, 3/4 Diagnostic Failures on VOCs – Instrument at Intoximeters and accidentally uploaded files at SCDL. – No action taken.

**100378 (Valdez PD):** 1/2 Blank error on subject tests followed by a completed test – No action taken.

**100387 (Ft. Greely):** 1/1 Diagnostic Failed on VOC test. Agency reached out for replacement instrument (100387 2024.06.10 Change in Status) – Instrument removed from service.

**100389 (AST/ Fairbanks):** 2/32 RFI on Subject Tests followed by a completed test – No action taken.

**100392 (Homer PD):** 1/18 Pump Error on Subject Tests followed by a completed test, 2/18 Interference detected on subject tests, 1/18 Blank Error on Subject Tests followed by a completed test – No action taken.

**100400 (Bethel PD):** 1/15 RFI on Subject Tests, 1/15 Pump Error on Subject Tests, 1/3 Tank Interference on VOC – The RFI and Pump Error occurred during “test/test”. Tank Interference was followed by two passing VOCs - No action taken.

**100406 (Denali National Park):** 1/15 Gas Flow Error on Subject Tests – Instrument removed from service for double check valve issues on 5/12/24 (100406 2024.05.12 Change In Status).

**100413 (Fairbanks PD):** 2/17 RFI on Subject Tests – No action taken.

**100417 (Bristol Bay Borough PD):** 2/3 Interference Detected on Subject Tests, both occurred on the same subject – No action taken.

**100422 (JBER):** 1/20 RFI on Subject Tests, 2/20 Pump Error on Subject Tests – No action taken.

**100669 (Palmer PD):** 13/67 RFI on Subject Tests, 2/67 Tank Interference on Subject Tests (test/test) – Troubleshooting for RFI’s occurred on 5/2/2024, 9 of the 13 RFI’s occurred before troubleshooting occurred (100669 2024.05.02 Change In Status-Amended) – Recommend Monitoring for RFI.

**100671 (Seldovia PD):** 1/3 RFI on Subject Tests – No action taken.

**100673 (Seward PD):** 2/15 RFI on Subject Tests – No action taken.

**100681 (Soldotna PD):** 2/28 RFI on Subject Tests – No action taken.

**100691 (Cordova PD):** 1/6 Tank Interference on Subject Tests – Status message followed by completed test – No action taken.

**100693 (Juneau PD):** 2/2 Blank Error on Subject Tests – Occurred on the same subject with an elevated detector reading. The instrument performed a passing VOC on 2024.05.30 – No action taken.

**100694 (Ft Wainwright):** 1/6 Pump Error on Subject Tests – Followed by a passing subject test - No action taken.

**100697 (Anchorage PD):** 1/111 RFI on Subject Tests, 3/111 Pump Error in Subject Tests, 2/111 Tank Interference on Subject Tests – No action taken.

**100699 (Valdez PD):** 1/17 Interference Detected on Subject Tests, 1/17 Blank error on Subject Tests, 5/17 Standard Out of Range on Subject Tests, 1/17 Internal Standard Error on Subject Tests, 1/5 Tank Interference on VOCs – Instrument removed from service due to standard out of range messages (100699 2024.05.06 Change In Status).

**100700 (UAF PD):** 1/6 RFI on Subject Tests – No action taken.

#### **Follow Up from Previous In Field Instrument Review**

**100342 (Bethel PD):** 3/6 Internal Standard Error on Subject Tests (all on the same subject), Replacement instrument shipped 4/30/2024, (100342 2024.05.20 Change In Status) – Instrument removed from service.

**100348 (Metlakatla PD):** 3/6 Diagnostic Failed on Subject Tests due to breath tube temperature being too low. Agency reached out for replacement instrument (100348 2024.06.07 Change In Status) – Instrument removed from service.

**100351 (AST/Soldotna):** Fewer RFI status messages this cycle, refer to 2024-01-04 – 2024-02-21.

**100358 (AST/Mat-Su West):** Fewer RFI status messages this cycle as well as last. Refer to 2024-01-04 – 2024-02-21.

**100361 (Anchorage PD):** Instrument being monitored for Static Analysis Errors – No additional status messages this cycle – Discontinue monitoring.

**100369 (AST/Bethel):** Being monitored for internal standard error – No additional internal standard error status messages this cycle – Discontinue monitoring

**Agencies not included in this summary:**

**100395 (AST/Aniak):** Instrument cannot currently upload, datafiles not sent at this time, last upload 03/10/2024. Agency does not currently have a breath test operator or supervisor (100395 2024.04.21 Change In Status Amended) – Administratively removed from service as of 04/21/2024.

**100388 (Hoonah PD):** Doesn't upload, no response on request for files. 05/30/2024 VOC needed.

**Subject Test Data**

Serial Number	Total Subject Tests	Date Range		Total Tests		Total Messages		769		89		11.6%								
		4/12/2024	5/30/2024	Blank Error	Standard Out of Range	Gas Flow Error	Ambient Fail	Internal Standard Error	Diagnostic Failed	Total Codes										
100342	6	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100348	6	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100351	47	2	4%	0	0%	1	2%	6	13%	5	11%	0	0%	0	0%	0	0%	0	0%	14
100358	9	1	11%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100361	151	2	1%	0	0%	0	0%	0	0%	0	0%	0	0%	1	1%	0	0%	0	0%	9
100366	16	1	6%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100369	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100371	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100378	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100389	32	2	6%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100392	18	0	0%	1	6%	2	11%	0	0%	1	6%	0	0%	0	0%	0	0%	0	0%	4
100400	15	1	7%	1	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100406	15	0	0%	0	0%	0	0%	0	0%	0	0%	1	7%	0	0%	0	0%	0	0%	1
100413	17	2	12%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100417	3	0	0%	0	0%	2	67%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100422	20	1	5%	2	10%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100669	67	13	19%	0	0%	0	0%	2	3%	0	0%	0	0%	0	0%	0	0%	0	0%	15
100671	3	1	33%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100673	15	2	13%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100681	28	2	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100691	6	0	0%	0	0%	0	0%	1	17%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100693	2	0	0%	0	0%	0	0%	0	0%	2	100%	0	0%	0	0%	0	0%	0	0%	2
100694	6	0	0%	1	17%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100697	111	1	1%	3	3%	0	0%	2	2%	0	0%	0	0%	0	0%	0	0%	0	0%	6
100699	17	0	0%	0	0%	1	6%	0	0%	1	6%	5	29%	0	0%	1	6%	0	0%	8
100700	6	1	17%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
Total	769	32	4%	8	1%	6	1%	11	1%	17	2%	6	1%	1	0%	4	1%	3	0%	89

\*\*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	
										4/12/2024	5/30/2024	769	0.1%	1	0.1%					
100377	6	0	0%	0	0%	0	0%	1	17%	0	0%	0	0%	0	0%	0	0%	0	0%	1
Total	769	0	0%	0	0%	0	0%	1	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1

\*\*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.\*\*

VOC Data

Serial Number	Total VOC Tests	Date Range								Total Tests														
		RFI		Pump Error		Interference		Tank Interference		Blank Error		Standard Out of Range		Gas Flow Error		Ambient Fail		Internal Standard Error		Diagnostic Failed		Total Codes		
		4/12/2024	5/30/2024	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%			
100351	4	0	0%	0	0%	0	0%	0	0%	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%		0	0%
100371	1	1	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100377	4	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100387	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	100%	1
100400	3	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100699	5	0	0%	0	0%	0	0%	1	20%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
Total	105	1	1%	0	0%	0	0%	2	2%	1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	4	4%	8

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VOC Data

Serial Number	Total VOC 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	
										4/12/2024	5/30/2024	105	1	1.0%						
100357	4	0	0%	0	0%	0	0%	0	0%	0	0%	1	25%	0	0%	0	0%	0	0%	1
Total	105	0	0%	0	0%	0	0%	0	0%	0	0%	1	1%	0	0%	0	0%	0	0%	1

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