# In Field Instrument Review Date Range: 2025.04.12 to 2025.05.30 Review Completed on 2025.07.01 by Derek Walton

#### **Status Messages and Action Taken**

**100255 (Clear AFB):** 1/5 Diagnostic Failed on VOCs due to filter wheel error while at the lab followed by a passing VOC at the lab. 3/5 Diagnostic Failed in the field due to Detector Overflow on VOCs. 4/5 Diagnostic Failed on VOCs total this cycle. Instrument was returned to the agency after Calibration; however, it was not placed in service due to Detector Overflow messages (100255-2025-05-20-Change-In-Status-1 and -2).

**100343 (Anchorage PD):** 1/135 RFI on Subject Tests, 2/135 Subject Interference on Subject Tests – No action taken.

100346 (Kenai PD): 1/10 Pump Error on Subject Tests – No action taken

100357 (Ketchikan PD): 1/13 RFI on Subject Tests, 1/13 Pump Error on Subject Tests – No action taken

**100365 (Eielson AFB):** 2/7 Tank Interference on VOCs, 4/7 Diagnostic Failed due to Pump Off (1/4) and Internal Standard failure (3/4) on VOCs. Agency attempted to put instrument in service in March 2025 (100365-2025-03-06-Change In Status); however, it never was. Change in Instrument Status form from the agency in May (100365-2025-05-12-Change In Status) noted Interference Detected status messages. Instrument was returned to the lab in June (100365-2025-06-26-Check In).

100366 (Kodiak PD): 1/7 RFI on Subject Tests – No action taken

**100369 (AST Fairbanks):** 8/81 RFI on Subject Tests, nearly all by different officers and all followed by completed tests – No action taken

**100378 (Valdez PD):** 1/9 Standard Out of Range on Subject Tests immediately following a Maximum Attempts Exceeded with detector response on the same subject. External standard values appear normal on VOC and subject tests after this date – No action taken

**100381 (Anchorage PD):** 1/3 Tank Interference on VOC – Instrument removed from service on 06/17/2025 due to detector response on graph with no flow (100381-2025-06-17-Change-In-Status).

**100390 (Juneau PD):** 2/30 Pump Error on Subject Tests, 2/30 Blank Error on Subject Tests – No action taken.

100392 (Homer PD): 1/7 RFI on Subject Tests – No action taken

**100395 (AST Aniak):** 2/2 Diagnostic Failed on VOCs due to Communication Error 1 and Filter Wheel Error. Instrument was removed from service (100395-2025-05-17-Change-In-Status). Agency also did not have a functional modem line at the time of removal.

100403 (Wasilla PD): 1/21 Pump Error on Subject Tests – No action taken

**100404 (Kotzebue PD):** 5/8 Tank Interference on Subject Tests. All tests occurred on the same day with the same subject within 30 minutes. Tank Interference did not occur on a more recent subject test or VOC. <u>Recommend monitoring for Tank Interference.</u>

**100413 (Fairbanks PD):** 3/15 RFI on Subject Tests, 1/15 Subject Interference on Subject Tests. RFI messages were from different officers and all were followed by completed test – No action taken

**100417 (Yakutat PD):** 1/43 Suck Back Error on Subject Tests followed by a completed test. This agency had a large increase in DataMaster usage this cycle due to pretrial monitoring which will not continue via the DataMaster. Usage is expected to return to normal next cycle – No action taken

**100418 (Anchorage PD):** 1/46 Pump Error on Subject Tests, 1/46 Subject Interference on Subject Tests, 1/46 Ambient Fail on Subject Tests – No action taken

**100421 (JBER):** 1/15 Blank Error on Subject Tests, 1/15 Internal Standard Error on Subject Tests. Two additional Blank Errors on 05/31/2025. At least one other internal standard reading above 3%. Recommend monitoring for Blank Errors and Internal Standard Errors.

**100669 (Palmer PD):** 6/42 RFI on Subject Tests, 1/42 Tank Interference on Subject Tests, 1/42 Detector Overflow on Subject Tests. Two RFI messages and the Detector Overflow are on TEST/TEST. This agency has historically had higher-than-average RFI status message frequency. Detector Overflow test shows no flow or detector response and yet still triggered a status message. <u>Recommend monitoring for Detector Overflow.</u>

100670 (AST Mat-Su West): 3/20 RFI on Subject Tests – No action taken

**100673 (Seward PD):** 4/22 RFI on Subject Tests, 4/22 Blank Error on Subject Tests, 2/22 Internal Standard Error on Subject Tests, 1/3 Diagnostic Failed on VOC due to RFI. All 4 Blank Errors and both Internal Standard Errors were conducted by the same officer on the same subject within 30 minutes. No trend of Blank Errors or Internal Standard Errors was visible after this date until this report was written. The Breath Test Supervisor was contacted regarding testing a subject more than 2 times (100673-2025-06-27-Change In Status). <u>Continue monitoring for Internal Standard and Blank Errors</u>.

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

**100683 (AST Ketchikan):** 2/2 Internal Standard Error on VOCs. Instrument was removed from service (100683-2025-04-17-Change-In-Status).

100691 (Cordova PD): 1/8 RFI on Subject Tests – No action taken

**100696 (Bethel PD):** 2/11 Pump error on Subject Tests, both followed by completed tests – No action taken

**100697 (Anchorage PD):** 1/32 Ambient Fail on Subject Tests, 3/32 Internal Standard Error on Subject Tests. Instrument removed from service (100697-2025-04-30-Change-In-Status). Instrument returned to the lab on 05/15/2025 (100697-2025-05-15-Check In).

**100698 (AST Glennallen):** 2/4 RFI on Subject Tests, 1/3 Blank Error on VOCs. RFIs occurred on the same subject followed by a completed test. VOC was followed by a passing VOC the same day – No action taken.

### Follow Up from Previous In Field Instrument Review

**100345 (AST Galena):** Instrument removed from service on 05/24/2025 and returned to lab on 06/03/2025 (100345-2025-05-24-Change-In-Status and 100345-2025-06-03-Check-In).

**100365 (Eielson AFB):** 2/7 Tank Interference on VOCs, 4/7 Diagnostic Failed due to Pump Off (1/4) and Internal Standard (3/4) on VOCs. Agency attempted to put instrument in service in March 2025 (100365-2025-03-06-Change In Status); however, it never was. Change in Instrument Status form from May (100365-2025-05-12-Change In Status) noted Interference Detected status messages. Instrument was returned to the lab 06/26/2025 (100365-2025-06-26-Check In).

**100395 (AST Aniak):** 2/2 Diagnostic Failed on VOCs due to Communication Error 1 and Filter Wheel Error. Instrument was removed from service (100395-2025-05-17-Change-In-Status). Agency also did not have a functional modem line at the time of removal.

**100682 (Bristol Bay Borough PD):** No further Internal Standard Errors on Subject Tests during the timeframe evaluated for this report; however, 3 more Diagnostic Failed on VOCs due to Internal Standard occurred on 06/03/2025 and 06/09/2025. <u>Recommend replacement due to Internal Standard Errors. Replacement instrument shipped 07/03/2025.</u>

**100687 (King Cove PD):** Four subject tests (3 TEST/TEST) and one VOC completed successfully since last cycle with no recurrence of Pump Error, Tank Interference, or Blank Error - Discontinue monitoring.

**100695 (Sand Point PD):** Instrument was removed from service on 05/16/2025 due to lack of data files and agency communication (100695-2025-05-16-Change-In-Status). The instrument was returned to the lab on 05/21/2025 (100695-2025-05-21-Check-In).

**100697 (Anchorage PD):** 1/32 Ambient Fail on Subject Tests, 3/32 Internal Standard Error on Subject Tests. Instrument removed from service (100697-2025-04-30-Change-In-Status).

## Agencies not included in this summary:

None

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	Total Subject Tests	lbjeci	ties	t Dat	a				4/12/2025	5/30/2025	Tot	al Messages	66	9.0%								
Serial Number	Blar	nk Error	Standard 0	Out of Range	Gas Fl	ow Error	Ambie	nt Fail	Internal S	Standard Error	Diagno	stic Failed	Total Codes									
100343	135	1	1%	0	0%	2	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100346	10	0	0%	1	10%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100357	13	1	8%	1	8%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100366	7	1	14%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100369	81	8	10%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	8
100378	9	0	0%	0	0%	0	0%	0	0%	0	0%	1	11%	0	0%	0	0%	0	0%	0	0%	1
100390	30	0	0%	2	7%	0	0%	0	0%	2	7%	0	0%	0	0%	0	0%	0	0%	0	0%	4
100392	14	1	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100403	21	0	0%	1	5%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100404	8	0	0%	0	0%	0	0%	5	63%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	5
100413	15	3	20%	0	0%	1	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4
100418	46	0	0%	1	2%	1	2%	0	0%	0	0%	0	0%	0	0%	1	2%	0	0%	0	0%	3
100421	15	0	0%	0	0%	0	0%	0	0%	1	7%	0	0%	0	0%	0	0%	1	7%	0	0%	2
100669	42	6	14%	0	0%	0	0%	1	2%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	7
100670	20	3	15%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100673	22	4	18%	0	0%	0	0%	0	0%	4	18%	0	0%	0	0%	0	0%	2	9%	0	0%	10
100681	9	1	11%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100691	8	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100696	11	0	0%	2	18%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100697	32	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	3%	3	9%	0	0%	4
100698	4	2	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
Total	735	32	4%	8	1%	4	1%	6	1%	7	1%	1	0%	0	0%	2	0%	6	1%	0	0%	66
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2025.04.12 - 2025.05.30 Page 4 of 7

				Range		Total Tests	735															
			Subject	LIESL	Jata					4/12/2025	5/30/2025	Tota	I Messages	2	0.3%							
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100417	43	0	0%	0	0%	0	0%	0	0%	1	2%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100669	42	0	0%	1	2%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
Total	735	0	0%	1	0%	0	0%	0	0%	1	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
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				~ ~						Date	Range		Total Tests	113								
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Serial Number	Total VOC Tests	OC Tests RFI Pump Erro					erence	Tank Interference		Blank Error		Standard Out of Range		Gas Fl	Gas Flow Error		nt Fail	Internal St	tandard Error	Diagno	stic Failed	Total Codes
100255	5	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4	80%	4
100365	7	0	0%	0	0%	0	0%	2	29%	0	0%	0	0%	0	0%	0	0%	0	0%	4	57%	6
100381	3	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100395	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	100%	2
100673	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	33%	1
100683	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	100%	0	0%	2
100698	3	0	0%	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%	0	0%	0	0%	0	0%	1
Total	113	0	0%	0	0%	0	0%	3	3%	1	1%	0	0%	0	0%	0	0%	2	2%	11	10%	17

\*\*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.\*\*

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100681  1  0  0%				0%		0%	0	0%	0	0%	0	0%	0	0%	0	0%	0		0	0%		0%	
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100886  0  0  0%	100684	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
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100695  0  0%  0	100693	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100697  1  0  0%	100695	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
100698  3  0  0%				0%		0%	0	0%		0%	0				0	0%	0	0%		0%		0%	
100699  0  0%  0	100698					0%		0%	0	0%		0%		0%	0	0%		0%		0%		0%	0
Total 113 0 0% 0 0% 0 0% 0 0% 0 0% 0 0% 0 0%		0		0%		0%		0%		0%	0	0%		0%	0	0%		0%		0%		0%	
				0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	ŏ	0%	