

## In Field Instrument Review

Date Range: 2024.12.13 – 2025.01.03

Review Completed on 2025.01.29 by Megan Carlock

### Status Messages and Action Taken

**100351 (AST/Soldotna):** 2/11 RFI on Subject Tests – No action taken.

**100354 (Anchorage PD):** 1/85 Pump Error on Subject Tests, 1/85 Interference Detected on Subject Tests, and 2/85 Blank Error on Subject Tests. The interference detected message occurred on 12/27/24 on the same subject test as one of the blank errors. All status messages were followed with passing subject tests – No action taken.

**100358 (AST/Mat-Su West):** 2/19 Pump Error on Subject Tests – No action taken.

**100371 (Whittier PD):** 1/3 RFI on Subject Tests – No action taken.

**100389 (AST/Fairbanks):** 2/30 RFI on Subject Tests and 1/30 Pump Error on Subject Tests – No action taken.

**100402 (AST/Tok):** 2/7 RFI on Subject Tests – No action taken.

**100414 (Glacier Bay National Park):** 2/3 Diagnostic Failed on VOC due to internal standard errors. Instrument was taken out of service – See [100414 2025.01.01 Change in Status](#).

**100421 (JBER):** 2/7 Blank Error on Subject Tests – No action taken.

**100669 (Palmer PD):** 2/21 RFI on Subject Tests and 1/21 Pump Error on Subject Tests – No action taken.

**100675 (AST/Angoon):** 2/2 Diagnostic Failed due to pump and filter errors on VOCs. Instrument is still unable to perform passing VOC due to environmental factors within the agency building. Agency will run a VOC once the building's heat is fixed – See [100675 2024.12.12 Change In Status](#).

**100696 (Bethel PD):** 4/5 Gas Flow Error on Subject Tests – *Monitor for gas flow errors*.

**100697 (Anchorage PD):** 1/65 Pump Error on Subject Tests, 1/65 Interference Detected on Subject Tests, 1/65 Blank Error on Subject Tests, 2/65 Ambient Fails followed by completed tests on Subject Tests, and 1/65 Diagnostic Failed on Subject Tests due to low tank pressure. No action taken.

**100698 (AST/Glennallen):** 1/7 RFI on Subject Tests – No action taken.

### Follow Up from Previous In Field Instrument Review

**100398 (Metlakatla PD):** Instrument was taken out of service due to internal standard errors– See [100398 2025.01.08 Change In Status](#).

**100415 (Anchorage PD):** Instrument was taken out of service due to fatal errors on 1/8/2025, see [100415 2025.01.08 Change In Status](#).

**Agencies not included in this summary**

**100424 (Eielson AFB):** Instrument is unable to upload, VOC from 1/3/25 is needed. Agency is unresponsive.

**100695 (Sand Point PD):** Instrument is unable to upload, VOC from 12/12/24 and 1/3/25 are needed. Agency is unresponsive.

Subject Test Data

Serial Number	Total Subject Tests	Date Range										Total Tests		Total Messages								Total Codes		
		RFI		Pump Error		Interference		Tank Interference		Blank Error		Standard Out of Range		Gas Flow Error		Ambient Fail		Internal Standard Error		Diagnostic Failed				
		12/13/2024	1/3/2025																					
100351	11	2	18%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100354	85	0	0%	1	1%	1	1%	0	0%	2	2%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4
100358	19	0	0%	2	11%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100371	3	1	33%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100389	30	2	7%	1	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100402	7	2	29%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100421	7	0	0%	0	0%	0	0%	0	0%	2	29%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100669	21	2	10%	1	5%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100696	5	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4	80%	0	0%	0	0%	0	0%	0	0%	4
100697	65	0	0%	1	2%	1	2%	0	0%	1	2%	0	0%	0	0%	2	3%	0	0%	1	2%	0	0%	6
100698	7	1	14%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
Total	347	10	3%	6	2%	2	1%	0	0%	5	1%	0	0%	4	1%	2	1%	0	0%	1	0%	0	0%	30

\*\*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	RFI		Pump Error		Interference		Tank Interference		Date Range		Total Tests		Total Messages		Ambient Fail	Internal Standard Error	Diagnostic Failed	Total Codes	
										12/13/2024	1/3/2025	82		4	4.9%					
100414	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	67%	2
100675	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	100%	2
Total	82	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4	5%	4

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VOC Data

Table with columns: Serial Number, Total VOC Tests, User Abort, Detector Overflow, Barometer Error, Filter Wheel Error, Suck Back Error, Total Messages, Filter 1 Won't Zero, Samp Chamb Low, Breath Tube High, Static Analysis Error, Total Codes. Rows list serial numbers from 100255 to 100700.

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