

**In Field Instrument Review**  
**Date Range: 2021.09.06 – 2021.10.24**  
**Review Completed on 2021.11.24 by Carlie Glaister**

**100344 (Juneau PD):** 1/11 Standard Out of Range on Subject Tests – No action taken.

**100345 (Valdez PD):** 2/6 RFI on Subject Tests – Discontinue monitoring, no action taken.

**100346 (Kenai PD):** 1/6 Diagnostic Failed on VOCs due to pump error followed by 2 completed VOCs – No action taken.

**100351 (Fairbanks PD):** 5/23 RFI on Subject Tests. 3/5 of the RFI status messages occurred with the same officer. An email was sent to Breath Test Supervisor Lane Bonham on 11/18/2021 to remind the officer not to key their radio within the vicinity of the instrument prior to performing a breath test – No further action taken.

**100355 (Homer PD):** 2/31 RFI on Subject Tests, 1/31 Standard Out of Range on Subject Tests followed by a completed test – No action taken.

**100358 (AST/Mat-Su West):** 1/21 RFI on Subject Tests – No action taken.

**100361 (Anchorage PD):** 2/14 Diagnostic Failed on Subject Tests due to breath tube temperature being too low (100361 2021.11.10 Change In Status). Instrument was removed from service on 11/13/2021 (100361 2021.11.13 Change In Status).

**100365 (Anchorage PD):** 2/73 Pump Errors on Subject Tests, 2/73 Subject Interference on Subject Tests, 4/73 Blank Error on Subject Tests, 2/73 Ambient Fail on Subject Tests, 2/73 Diagnostic Failed on Subject Tests due to breath tube temperature being too low, 1/73 Undefined Error on Subject Tests. Instrument removed from service due to unsaved tests after the Undefined Error occurred (100365 2021.10.09 Change In Status).

**100366 (Anchorage PD):** 3/201 Pump Error on Subject Tests followed by a completed test, 1/201 Blank Error on Subject Tests followed by a completed test, 1/201 Standard Out of Range on Subject Tests followed by a completed test, 1/201 Ambient Fail on Subject Tests followed by a completed test – No action taken.

**100367 (Seward PD):** 1/10 RFI on Subject Tests – No action taken.

**100376 (Wasilla PD):** 2/34 RFI on Subject Tests, 1/3 Internal Standard Error on VOCs – Internal standard is reading consistently high, replacement instrument sent to agency on 11/22/2021.

**100378 (Palmer PD):** 5/41 RFI on Subject Tests, 1/41 Pump Error on Subject Tests, 1/41 Blank Error on Subject Tests. The Pump Error and Blank Error occurred on the same subject followed by a completed test – No action taken.

**100379 (AST/Anchor Point):** 3/4 RFI on Subject Tests, all on the same subject followed by a completed test – No action taken.

**100380 (Breath Test Section):** 1/6 Diagnostic Failed on VOCs due to Undefined Error. Internal laboratory testing for DMHost software validation – No action taken.

**100385 (AST/Fairbanks):** 1/24 Tank Interference on Subject Tests followed by a completed test, 1/3 Diagnostic Failed on VOCs due to RFI – No action taken.

**100400 (Craig PD):** 1/9 Tank Interference on Subject Tests followed by a completed test – No action taken.

**100406 (Denali NP):** 2/6 RFI on Subject Tests, 1/6 Tank Interference on Subject Tests, 2/6 Ambient Fail on Subject Tests. All tests were labeled as TEST. 1/3 Blank Error on VOCs followed by 2 completed VOCs –No action taken.

**100421 (JBER):** 3/28 RFI on Subject Tests, 1/28 Pump Error on Subject Tests, 2/28 Blank Error on Subject Tests followed by completed tests – No action taken.

**100422 (JBER):** 2/16 RFI on Subject Tests, 1/16 Pump Error on Subject Tests, 1/16 Blank Error on Subject Tests, 1/16 Ambient Fail on Subject Tests, 1/16 Detector Overflow on Subject Tests. All tests were labeled TEST - No action taken.

**100667 (AST/Tok):** 1/2 Internal Standard Error on VOCs. Instrument was removed from service on 10/29/2021 due to internal standard errors (100667 2021.10.29 Change in Status).

**100669 (AST/Soldotna):** 4/30 RFI on Subject Tests, 1/30 Blank Error on Subject Tests followed by a completed test – No action taken.

**100675 (Bethel PD):** 7/7 Diagnostic Failed on VOCs due to Detector Overflow. Instrument was removed from service due to Detector Overflow (100675 2021.09.11 Change In Status).

**100690 (Soldotna PD):** 1/5 Tank Interference on Subject Tests followed by a completed test, replacement instrument was sent on 11/18/2021 – *Recommend Replacement.*

**100693 (Juneau PD):** 1/5 Blank Error on Subject Tests followed by a completed test – No action taken.

**100699 (Kenai PD):** 1/10 Ambient Fail on Subject Tests, 3/10 Internal Standard Error on Subject Tests. All followed by completed tests. Instrument was removed from service due to internal standard errors (100699 2021.10.14 Change In Status).

**Agencies not included in this summary:**

**100370 (Ketchikan PD):** Instrument consistently had issues uploading. Agency was unable to pull files from the instrument. A replacement instrument was sent on 10/29/2021 (100370 2021.11.01 Change In Status). Datafiles were uploaded and VOC received after data was compiled for IFIR.

**100418 (Yakutat PD):** A copy of the 10/24/2021 VOC was received, data files were not sent by agency at this time.

**100424 (Eielson AFB):** A copy of the 10/24/2021 VOC was received, data files were not sent by agency at this time.

**100665 (AST/Emmonak):** Instrument was removed from service due to agency not replacing an expired tank and not having any current breath test operators or supervisors at this time (100665 2021.08.22 Change in Status).

**100670 (Unalaska PD):** Unable to poll instrument, data files received after data was compiled for IFIR.

**100692 (Whittier PD-Girdwood):** Unable to poll instrument, data files received from Whittier PD after data was compiled for IFIR.

**100696 (Kake PD):** A copy of the 10/24/2021 VOC was received, data files were not sent by agency at this time.

**Follow ups from previous In Field Instrument Review:**

**100345 (Valdez PD):** Instrument was being monitored for Standard Out of Range and Tank Interference status messages. These status messages did not reoccur during this cycle of IFIR - Discontinue monitoring, no action taken.

**100376 (Wasilla PD):** Instrument was being monitored for Internal Standard Errors, which reoccurred, and the internal standard seems to be reading consistently high, replacement instrument was sent on 11/22/2021.

**100391 (AST Willow):** Instrument was being monitored due to an internal standard error. No status messages occurred and there were very few tests during this time period – *Continue Monitoring*.

**100690 (Soldotna PD):** Instrument was being monitored for Tank Interference, which reoccurred. Instrument replacement was sent on 11/18/2021 – *Recommend Replacement*.

# Subject Test Data

Serial Number	Total Subject Tests	Date Range								Total Tests		Total Messages		Ambient Fail		Internal Standard Error		Diagnostic Failed	
		RFI		Pump Error		Interference		Tank Interference		Blank Error		Standard Out of Range		Gas Flow Error		Internal Standard Error		Diagnostic Failed	
		9/6/2021	10/24/2021	9/6/2021	10/24/2021	9/6/2021	10/24/2021	9/6/2021	10/24/2021	9/6/2021	10/24/2021	9/6/2021	10/24/2021	9/6/2021	10/24/2021	9/6/2021	10/24/2021	9/6/2021	10/24/2021
100344	11	0	0%	0	0%	0	0%	0	0%	0	0%	1	9%	0	0%	0	0%	0	0%
100345	6	2	33%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100351	23	5	22%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100355	31	2	6%	0	0%	0	0%	0	0%	0	0%	1	3%	0	0%	0	0%	0	0%
100358	21	1	5%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100361	14	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	14%
100365	73	0	0%	2	3%	2	3%	0	0%	4	5%	0	0%	2	3%	0	0%	2	3%
100366	201	0	0%	3	1%	0	0%	0	0%	1	0%	1	0%	0	0%	0	0%	0	0%
100367	10	1	10%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100376	34	2	6%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100378	41	5	12%	1	2%	0	0%	0	0%	1	2%	0	0%	0	0%	0	0%	0	0%
100379	4	3	75%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100385	24	0	0%	0	0%	0	0%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%
100400	9	0	0%	0	0%	0	0%	1	11%	0	0%	0	0%	0	0%	0	0%	0	0%
100406	6	2	33%	0	0%	0	0%	1	17%	0	0%	0	0%	2	33%	0	0%	0	0%
100421	28	3	11%	1	4%	0	0%	0	0%	2	7%	0	0%	0	0%	0	0%	0	0%
100422	16	2	13%	1	6%	0	0%	0	0%	1	6%	0	0%	1	6%	0	0%	0	0%
100669	30	4	13%	0	0%	0	0%	0	0%	1	3%	0	0%	0	0%	0	0%	0	0%
100690	5	0	0%	0	0%	0	0%	1	20%	0	0%	0	0%	0	0%	0	0%	0	0%
100693	5	0	0%	0	0%	0	0%	0	0%	1	20%	0	0%	0	0%	0	0%	0	0%
100699	10	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	10%	3	30%	0	0%
Total	758	32	4%	8	1%	2	0%	4	1%	11	1%	3	0%	7	1%	3	0%	4	1%

### Subject Test Data

		Date Range		Total Tests		Total Messages		Filter 1 Won't Zero		Samp Chamb Low		Breath Tube High		Static Analysis Error	
Serial Number	Total Subject Tests	User Abort	Detector Overflow	Barometer Error	Filter Wheel Error	Suck Back Error	Undefined Error	Filter 1 Won't Zero	Samp Chamb Low	Breath Tube High	Static Analysis Error				
100365	73	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100422	16	0	0%	1	6%	0	0%	0	0%	0	0%	0	0%	0	0%
Total	758	0	0%	1	0%	0	0%	0	0%	0	0%	0	0%	0	0%

# 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			
										9/6/2021		10/24/2021		13		10.0%							
100346	5	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	20%		
100376	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	33%	0	0%		
100380	6	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	17%		
100385	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	33%		
100406	3	0	0%	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%	0	0%	0	0%	0	0%		
100667	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	50%	0	0%		
100675	7	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	7	100%		
Total	130	0	0%	0	0%	0	0%	0	0%	1	1%	0	0%	0	0%	0	0%	2	2%	10	8%		

