

In Field Instrument Review
Date Range: 2022.01.04 – 2022.02.21
Review Completed on 2022.03.22 by Carlie Glaister

Status Messages and Action Taken

100344 (Juneau PD): 1/21 RFI on Subject Tests – No action taken.

100345 (Valdez PD): 1/1 Standard Out of Range on VOC tests followed by a successful VOC. External standard trending low on subject tests with high pressure tank - Recommend monitoring instrument.

100351 (Fairbanks PD): 4/32 RFI on Subject Tests – No action taken.

100352 (NSBPD): 1/2 Pump Error on Subject Tests, 1/2 Ambient Fail on Subject Tests, both status messages occurred on the same individual. Not many tests during this timeframe. – No action taken.

100357 (Wrangell PD): 1/4 Pump Error on Subject Tests, followed by a completed test – No action taken.

100358 (AST/Mat-Su West): 3/24 RFI on Subject Tests – No Action Taken.

100364 (Anchorage Airport PD): 1/15 Tank Interference on Subject Tests, 2/15 Blank Error on Subject Tests, 1/15 Internal Standard Error on Subject Tests. One blank error was followed by a completed test. The Tank Interference, Blank Error, and Internal Standard Error occurred on the same individual - Recommend monitoring instrument.

100366 (Anchorage PD): 1/4 Internal Standard Error on VOC Tests, 3/4 Diagnostic Failed on VOC Tests (due to failed internal standard and pump error). This instrument was removed from service 01/06/2022 due to internal standard errors and pump errors (100366 2022.01.07 Change in Status) – Removed from service.

100367 (Seward PD): 1/9 RFI on Subject Tests, 1/9 Subject Interference on Subject Tests, followed by completed tests – No action taken.

100373 (Anchorage PD): 1/72 Subject Interference on Subject Tests, 1/72 Blank Error on Subject Tests – No action taken.

100374 (AST/Delta): 1/2 RFI on Subject Tests – No action taken.

100378 (Palmer PD): 6/42 RFI on Subject Tests, 1/42 Pump Error on Subject Tests, 1/42 Blank Error on Subject Tests – No action taken.

100392 (Kotzebue PD): 1/5 Blank Error on Subject Tests, followed by a completed test – No action taken.

100398 (Anchorage PD): 1/58 RFI on Subject Tests, 1/58 Blank Error on Subject Tests, 1/58 Filter Wheel Error on Subject Tests. This instrument was removed from service on 01/23/2022 due to touch screen not functioning (100398 2022.01.23 Change in Status) – Removed from service.

100402 (AST/Tok): 2/4 Standard Out of Range on Subject Tests. External standard trending low on subject tests with high pressure tank - Recommend monitoring instrument.

100403 (Wasilla PD): 1/20 RFI on Subject Tests – No action taken.

100414 (Glacier Bay National Park): 1/2 Tank Interference on VOC Tests, followed by a completed test. Occurred on first test after instrument was put in service on 01/06/2022 (100414 2022.01.06 Change in Status), no other tests on instrument – No action taken.

100422 (JBER): 10/39 RFI on Subject Tests, 1/39 Blank Error on Subject Tests. The RFI status messages occurred among 7 different operators. An email was sent to Breath Test Supervisor Scott Gardner to remind operators to not key radios near the instruments – No further action taken.

100423 (Ft. Wainwright): 2/22 RFI on Subject Tests, 3/22 Pump Error on Subject Tests, 1/22 Internal Standard Error on Subject Tests - Recommend monitoring instrument.

100669 (AST/Soldotna): 2/14 RFI on Subject Tests – No action taken.

100679 (Skagway PD): 4/7 Pump Error on Subject Tests, all occurred on the same individual, followed by a completed test – No action taken.

100680 (Dillingham PD): 3/6 Standard Out of Range on Subject Tests, all on the same individual followed by normal/completed tests the following day – No action taken.

100689 (Anchorage Police Department): 1/17 Subject Interference on Subject Tests, 3/17 Diagnostic Failed on Subject Tests due to breath tube temperature being too low. Instruments are located near doors that exit the building, if doors were recently opened a low breath tube temperature is not unusual – No action taken.

100697 (Anchorage Police Department): 1/116 Pump Error on Subject Tests, 2/116 Subject Interference on Subject Tests, 1/116 Diagnostic Failed on Subject Tests due to breath tube temperature being too low. Instruments are located near doors that exit the building, if doors were recently opened a low breath tube temperature is not unusual – No action taken.

Follow Up from Previous In Field Instrument Review

100381 (AST/Talkeetna): This instrument was being monitored for Tank Interference Status Messages and Internal Standard Error. No tests occurred during this review period except 1 VOC which passed successfully – Discontinue monitoring.

100398 (Anchorage PD): This instrument was being monitored due to Tank Interference and Blank Errors. This instrument was removed from service on 01/23/2022 due to touch screen not functioning (100398 2022.01.23 Change in Status) – Removed from service.

Agencies not included in this summary:

100414 (Glacier Bay National Park): Data files not received, no VOC received, last upload 2/18/2022.

100682 (Kodiak PD): Data files not received, copy of VOC received via email, last upload 11/3/2021.

Subject Test Data

Serial Number	Total Subject Tests	Date Range		Total Tests		Total Messages		Standard Out of Range		Gas Flow Error		Ambient Fail		Internal Standard Error		Diagnostic Failed			
		666		68		10.2%													
		1/4/2022	2/21/2022	Blank Error	Standard Out of Range	Gas Flow Error	Ambient Fail	Internal Standard Error	Diagnostic Failed										
100344	21	1	5%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%		
100351	32	4	13%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%		
100352	2	0	0%	1	50%	0	0%	0	0%	0	0%	1	50%	0	0%	0	0%		
100357	4	0	0%	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%		
100358	24	3	13%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%		
100364	15	0	0%	0	0%	0	0%	1	7%	2	13%	0	0%	1	7%	0	0%		
100367	9	1	11%	0	0%	1	11%	0	0%	0	0%	0	0%	0	0%	0	0%		
100373	72	0	0%	0	0%	1	1%	0	0%	1	1%	0	0%	0	0%	0	0%		
100374	2	1	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%		
100378	42	6	14%	1	2%	0	0%	0	0%	1	2%	0	0%	0	0%	0	0%		
100392	5	0	0%	0	0%	0	0%	0	0%	1	20%	0	0%	0	0%	0	0%		
100398	58	1	2%	0	0%	0	0%	0	0%	1	2%	0	0%	0	0%	0	0%		
100402	4	0	0%	0	0%	0	0%	0	0%	2	50%	0	0%	0	0%	0	0%		
100403	20	1	5%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%		
100422	39	10	26%	0	0%	0	0%	0	0%	1	3%	0	0%	0	0%	0	0%		
100423	22	2	9%	3	14%	0	0%	0	0%	0	0%	0	0%	1	5%	0	0%		
100669	14	2	14%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%		
100679	7	0	0%	4	57%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%		
100680	6	0	0%	0	0%	0	0%	0	0%	3	50%	0	0%	0	0%	0	0%		
100689	17	0	0%	0	0%	1	6%	0	0%	0	0%	0	0%	0	0%	3	18%		
100697	116	0	0%	1	1%	2	2%	0	0%	0	0%	0	0%	0	0%	1	1%		
Total	666	32	5%	11	2%	5	1%	1	0%	7	1%	5	1%	0	0%	2	0%	4	1%

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	
										1/4/2022	2/21/2022	666	0.2%	1	0.2%						
100398	58	0	0%	0	0%	0	0%	1	2%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Total	666	0	0%	0	0%	0	0%	1	0%	0	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		Diagnostic Failed					
										1/5/2022	2/21/2022	91	6	6.6%		Diagnostic Failed					
										Blank Error		Standard Out of Range	Gas Flow Error	Ambient Fail	Internal Standard Error	Diagnostic Failed					
100345	1	0	0%	0	0%	0	0%	0	0%	0	0%	1	100%	0	0%	0	0%	0	0%		
100366	4	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	25%	3	75%
100414	2	0	0%	0	0%	0	0%	1	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Total	91	0	0%	0	0%	0	0%	1	1%	0	0%	1	1%	0	0%	0	0%	1	1%	3	3%

