

In Field Instrument Review
Date Range: 2023.10.25 – 2023.12.12
Review Completed on 2023.12.27 by C. O'Bryant

Status Messages and Action Taken

100344 (Juneau PD) – 2/16 Pump Error, 2/16 Blank Error, 1/16 Ambient Fail and 1/16 Static Analysis Error on Subject Tests. Instrument removed from service for a variety of status messages: internal standard error, interference detected (100344 2023.11.22 Change In Status).

100351 (AST/Soldotna) – 3/21 RFI and 2/21 Interference Detected on Subject Tests. Both interference status messages were on the same subject with elevated filter 2 readings. No action taken.

100352 (North Slope Borough PD) – 1/5 Pump Error on Subject Tests. Followed by completed test. No action taken.

100356 (AST/Girdwood) – 2/7 RFI, 2/7 Tank Interference, and 1/7 Blank Error on Subject Tests. 7 tests total, three on one subject, three on a second and one “test/test”. Two RFIs on one subject. Two tank interference and one blank error on the second subject with elevated filter 3 readings. Monitor Instrument for additional status messages.

100358 (AST/Mat-Su West) – 5/19 RFI on Subject Tests - Emailed Breath Test Supervisors at MSW to remind the operators to take precautions regarding radios in the vicinity of the instrument while in use (100358 2023.12.27 Change In Status). Recommend continued monitoring.

100361 (Anchorage PD) – 1/61 Pump Error on Subject Tests. No action taken.

100364 (Nome PD) – 1/4 RFI on Subject Tests. No action taken.

100366 (Kodiak PD) – 1/15 Detector Overflow on Subject Tests. Followed by completed test. No action taken.

100367 (Seward PD) – 1/14 RFI and 2/14 Internal Standard Error on Subject Tests. Instrument removed from service due to internal standard errors (100367 2023.12.01 Change In Status).

100371 (Whittier PD) – 1/2 RFI Status Messages on Subject Test. No action taken.

100389 (AST/Fairbanks) – 1/32 Blank Error on Subject Tests followed by completed test. No action taken.

100392 (Homer PD) – 2/20 RFI and 1/20 Pump Error on Subject Tests followed by completed tests. No action taken.

100421 (JBER) – 1/6 RFI, 1/6 Ambient Fail and 2/6 Detector Overflow on Subject Tests. This instrument is in service, but often used to train new military officers. All status messages occurred on “test/test”. No action taken.

100422 (JBER) – 7/39 RFI and 1/39 Pump Error on Subject Tests. All status messages were followed by completed tests. No action taken.

100667 (Anchorage PD) – 1/16 Blank Error on Subject Tests. Status message occurred on “test/test”. No action taken.

100668 (North Pole PD) – 1/21 RFI on Subject Tests. No action taken.

100669 (Palmer PD) – 6/58 RFI, 7/58 Pump Error and 1/58 Interference Detected on Subject Tests. Most status messages were followed by completed tests. Recommend monitoring.

100680 (AST/Willow) – 1/3 Diagnostic Failed on VOC due to pump failure. No other status messages. One subject test during time period. Recommend monitoring.

100684 (Fairbanks Airport PD) – 2/7 RFI and 1/7 Ambient Fail on Subject Tests. All status messages occurred on “test/test”. No action taken.

100687 (Anchorage PD) – 3/87 Tank Interference, 6/87 Blank Error, 1/87 Standard out of Range, 7/87 Internal Standard Errors on Subject Tests. Instrument removed from service for internal standard errors (100687 2023.11.22 Change In Status).

100689 (Dillingham PD) – 1/7 RFI and 1/7 Pump Error on Subject Test. Both status messages were followed by completed test. No action taken.

100691 (Cordova PD) – 1/5 Tank Interference on Subject Tests. Followed by a completed test. No action taken.

100692 (Anchorage Airport PD) – 1/15 Blank Error on Subject Test. Followed by a completed test. No action taken.

100693 (Juneau PD) – 1/4 RFI and 1/4 Blank Error on Subject Tests. Both status messages occurred on the same subject and were followed by a completed test. No action taken.

100697 (Anchorage PD) – 3/130 RFI, 1/130 Pump Error, 4/130 Interference and 1/130 Blank Error on Subject Tests. No action taken.

100698 (AST/Glennallen) – 1/2 Pump Error on Subject Test. Followed by a completed test. No action taken.

Follow Up from Previous In Field Instrument Review

100358 (AST/Mat-Su West) – Instrument being monitored for RFI status messages. Similar number of RFI status messages this round (7 last round, 5 this round). Emailed Breath Test Supervisors at MSW to remind the operators to take precautions regarding radios in the vicinity of the instrument while in use. Recommend continued monitoring.

100690 (Clear AFB) – Instrument was being monitored due to Internal Standard status messages on an individual tested 5 times. No breath tests occurred this or last cycle. 2023.10.24 and 2023.12.12 VOCs had internal standard values of 2% or less. Discontinue Monitoring.

Agencies not included in this summary:

100352 (North Slope Borough PD) – Instrument last uploaded 2023.12.27. Agency has expired external dry gas standard. New tank enroute.

100356 (AST/Girdwood) – Status message on instrument. Breath Test Supervisor notified.

100376 (AST/St. Mary's) – Doesn't upload, no response on request for files.

100378 (AST/Galena) – Instrument last uploaded 2023.12.27. Agency has expired external dry gas standard. New tank enroute.

100420 (Ft. Greely) - Doesn't upload, no response on request for files. 2023.10.24 and 2023.12.12 VOCs needed.

100424 (Eielson MP) – Doesn't upload. 2023.10.24 and 2023.12.12 VOCs needed. USB drive enroute per Breath Test Supervisor.

100666 (King Cove PD) - Instrument last uploaded 2023.11.17. Agency has expired external dry gas standard. New tank enroute.

100678 (Sand Point PD) – Doesn't upload. 2023.07.18, 2023.10.24 and 2023.12.12 VOCs needed.

100694 (Ft. Wainwright MP) - Doesn't upload. 2023.12.12 VOCs needed. USB drive enroute per Breath Test Supervisor.

Subject Test Data

Serial Number	Total Subject Tests	Date Range								Total Tests								Total Codes						
		RFI		Pump Error		Interference		Tank Interference		Blank Error		Standard Out of Range		Gas Flow Error		Ambient Fail			Internal Standard Error		Diagnostic Failed			
		10/25/2023	12/12/2023	10/25/2023	12/12/2023	10/25/2023	12/12/2023	10/25/2023	12/12/2023	10/25/2023	12/12/2023	10/25/2023	12/12/2023	10/25/2023	12/12/2023	10/25/2023	12/12/2023		10/25/2023	12/12/2023	10/25/2023	12/12/2023		
100344	16	0	0%	2	13%	0	0%	0	0%	2	13%	0	0%	0	0%	0	0%	1	6%	0	0%	0	0%	5
100351	21	3	14%	0	0%	2	10%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	5
100352	5	0	0%	1	20%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100356	7	2	29%	0	0%	0	0%	2	29%	1	14%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	5
100358	19	5	26%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	5
100361	61	0	0%	1	2%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100364	4	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100367	14	1	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	14%	0	0%	0	0%	3
100371	2	1	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100389	32	0	0%	0	0%	0	0%	0	0%	1	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100392	20	2	10%	1	5%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100421	6	1	17%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	17%	0	0%	0	0%	0	0%	2
100422	39	7	18%	1	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	8
100667	16	0	0%	0	0%	0	0%	0	0%	1	6%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100668	21	1	5%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100669	58	6	10%	7	12%	1	2%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	14
100684	7	2	29%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	14%	0	0%	0	0%	0	0%	3
100687	87	0	0%	0	0%	0	0%	3	3%	6	7%	1	1%	0	0%	0	0%	7	8%	0	0%	0	0%	17
100689	7	1	14%	1	14%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100691	5	0	0%	0	0%	0	0%	1	20%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100692	15	0	0%	0	0%	0	0%	0	0%	1	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100693	4	1	25%	0	0%	0	0%	0	0%	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100697	130	3	2%	1	1%	4	3%	0	0%	1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	9
100698	2	0	0%	1	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
Total	785	37	5%	16	2%	7	1%	6	1%	14	2%	1	0%	0	0%	3	0%	9	1%	0	0%	0	0%	93

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		Suck Back Error		Undefined Error		Filter 1 Won't Zero		Samp Chamb Low		Breath Tube High		Static Analysis Error		Total Codes	
			0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%		0
100344	16	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	6%	1
100368	15	0	0%	1	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100421	6	0	0%	2	33%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
Total	785	0	0%	3	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	0%	4

Date Range		Total Tests	Total Messages
10/25/2023	12/12/2023	785	4
			0.5%

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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	
		0	0%	0	0%	0	0%	0	0%	0	0%	10/27/2023	12/12/2023	104	1					1.0%
100680	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	33%	1
Total	104	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	1%	1

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