

In Field Instrument Review
Date Range: 2023.02.22 – 2023.04.11
Review Completed on 2023.05.08 by Carlie Glaister

Status Messages and Action Taken

100345 (North Pole PD): 3/12 RFI on Subject Tests – No action taken.

100346 (Kenai PD): 4/12 Subject Interference on Subject Tests. 2 tests occurred on the same subject with elevated filter 2 readings. The other 2 tests occurred on a different subject with elevated filter 2 readings. Tests completed normally after both subjects – No action taken.

100352 (NSBPD): 1/2 Tank Interference on Subject Tests, followed by a completed test – No action taken.

100354 (Haines PD): 1/5 Pump Error on Subject Tests – No action taken.

100358 (AST/Mat-Su West): 6/23 RFI on Subject Tests. The 6 RFI status messages occurred between 3 different subjects (2 RFI status messages each), and all were followed by completed tests – No action taken.

100360 (Ft. Wainwright MP): 1/2 Ambient Fail on Subject Tests performed on subject “TEST TEST” – No action taken.

100361 (Nome PD): 3/9 Tank Interference on Subject Tests. Instrument removed from service on 03/31/2023 due to multiple fatal error and interference detected status messages (100361 2023.03.31 Change In Status) – Instrument removed from service.

100364 (Nome PD): 1/5 Tank Interference on VOC Tests. Occurred on first VOC after being put in service (100364 2023.03.31 Change In Status), followed by completed VOCs – No action taken.

100366 (Kodiak PD): 1/15 Pump Error on Subject Tests followed by a completed test, 1/15 Subject Interference on Subject Tests later followed by completed tests, 1/15 Blank Error on Subject Tests, 1/15 Standard Out of Range on Subject Tests. The Blank Error and Standard Out of Range both occurred on the same subject, followed by a completed test – No action taken.

100367 (Seward PD): 1/12 RFI on Subject Tests, 1/12 Pump Error on Subject Tests, both followed by completed tests – No action taken.

100382 (Petersburg PD): 1/10 Static Analysis Error on Subject Tests followed by a completed test – Recommend monitoring.

100389 (AST/Fairbanks): 3/46 RFI on Subject Tests, 1/46 Pump Error on Subject Tests followed by a completed test – No action taken.

100398 (AST/Ketchikan): 1/1 Filter Wheel Error on VOC Tests, followed by a completed VOC on 04/16/2023 – Recommend monitoring.

100400 (Craig PD): 1/9 Standard Out of Range on Subject Tests followed by a completed test – No action taken.

100402 (AST/Tok): 1/4 RFI on Subject Tests – No action taken.

100404 (SCDL): 1/2 Tank Interference on VOC Tests. This instrument is not currently in service. Calibration occurred on 03/14/2023 (100404 2023.03.14 Calibration) – No action taken.

100413 (Fairbanks PD): 2/18 RFI on Subject Tests – No action taken.

100421 (JBER): 3/28 RFI on Subject Tests, 1/28 Subject Interference on Subject Tests followed by a completed test – No action taken.

100667 (Anchorage PD): 1/94 RFI on Subject Tests, 1/94 Blank Error on Subject Tests, 4/94 Diagnostic Failed on Subject Tests due to breath tube temperature being too low. 3 of the Diagnostic Failed status messages occurred on the same subject, while the other one occurred on a different subject. Numerous tests completed after these status messages – No action taken.

100681 (Soldotna PD): 1/16 Blank Error on Subject Tests, 4/16 Ambient Fail on Subject Tests. All status messages occurred on the same individual, followed by a completed test – No action taken.

100689 (Anchorage PD): 2/80 RFI on Subject Tests, 3/80 Subject Interference on Subject Tests, 1/80 Blank Error on Subject Tests, 4/80 Diagnostic Failed on Subject Tests due to breath tube temperature being too low. Instrument removed from service on 03/14/2023 due to keyboard not working (100689 2023.03.14 Change In Status) – Instrument removed from service.

100691 (Cordova PD): 1/9 Gas Flow Error on Subject Tests followed by a completed test, tank change occurred on 04/16/2023 – Continue monitoring.

100697 (Anchorage PD): 6/139 RFI on Subject Tests, 2/139 Pump Error on Subject Tests, 5/139 Subject Interference on Subject Tests, 1/139 Blank Error on Subject Tests – No action taken.

100699 (Valdez PD): 1/10 RFI on Subject Tests, 1/10 Subject Interference on Subject Tests later followed by completed tests – No action taken.

100700 (Palmer PD): 1/43 RFI on Subject Tests, 1/43 Pump Error on Subject Tests – No action taken.

Follow Up from Previous In Field Instrument Review

100412 (AST/Unalakleet): Instrument was being monitored for tank interference on VOCs. No status messages occurred this cycle – Discontinue monitoring.

100691 (Cordova PD): Instrument was being monitored for gas flow errors. 1 gas flow error occurred; however, the tank was later changed – Continue monitoring.

100697 (Anchorage PD): Recommended monitoring for Tank Interference on Subject Tests and VOCs, no Tank Interference status messages occurred during this cycle – Discontinue monitoring.

Agencies not included in this summary:

100420 (Ft. Greely): Last date of files 02/21/2023. Last date of upload 03/11/2023. Data not received as of this report.

100424 (Eielson AFB): Last date of files 01/03/2023. USB mailed to agency, not returned as of this report.

Subject Test Data

Serial Number	Total Subject Tests	Date Range								Total Tests												
		RFI		Pump Error		Interference		Tank Interference		Blank Error		Standard Out of Range		Gas Flow Error		Ambient Fail		Internal Standard Error		Diagnostic Failed		Total Codes
		2/22/2023	4/11/2023	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
100345	12	3	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
100346	12	0	0%	0	0%	4	33%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4
100352	2	0	0%	0	0%	0	0%	1	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100354	5	0	0%	1	20%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100358	23	6	26%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	6
100360	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	50%	0	0%	0	0%	1
100361	9	0	0%	0	0%	0	0%	3	33%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100366	15	0	0%	1	7%	1	7%	0	0%	1	7%	1	7%	0	0%	0	0%	0	0%	0	0%	4
100367	12	1	8%	1	8%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100389	46	3	7%	1	2%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4
100400	9	0	0%	0	0%	0	0%	0	0%	0	0%	1	11%	0	0%	0	0%	0	0%	0	0%	1
100402	4	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100413	18	2	11%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100421	28	3	11%	0	0%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4
100667	94	1	1%	0	0%	0	0%	0	0%	1	1%	0	0%	0	0%	0	0%	0	0%	4	4%	6
100681	16	0	0%	0	0%	0	0%	0	0%	1	6%	0	0%	0	0%	4	25%	0	0%	0	0%	5
100689	80	2	3%	0	0%	3	4%	0	0%	1	1%	0	0%	0	0%	0	0%	0	0%	4	5%	10
100691	9	0	0%	0	0%	0	0%	0	0%	0	0%	1	11%	0	0%	0	0%	0	0%	0	0%	1
100697	139	6	4%	2	1%	5	4%	0	0%	1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	14
100699	10	1	10%	0	0%	0	0%	1	10%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100700	43	1	2%	1	2%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
Total	749	30	4%	7	1%	14	2%	5	1%	5	1%	2	0%	1	0%	5	1%	0	0%	8	1%	77

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

		Date Range		Total Tests		Total Messages		749		0.1%											
								2/22/2023		4/11/2023											
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									
100352	10	0	0%	0	0%	0	0%	0	0%	0	0%	1	10%	1							
Total	749	0	0%	0	0%	0	0%	0	0%	0	0%	1	0%	1							

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VOC Data

Serial Number	Total VOC Tests	RFI		Pump Error		Interference		Date Range		Total Tests				Total Messages		Diagnostic Failed	Total Codes	
								2/22/2023	4/11/2023	Blank Error	Standard Out of Range	Gas Flow Error	Ambient Fail	Internal Standard Error	2			1.8%
100364	5	0	0%	0	0%	0	0%	1	20%	0	0%	0	0%	0	0%	0	0%	1
100404	2	0	0%	0	0%	0	0%	1	50%	0	0%	0	0%	0	0%	0	0%	1
Total	109	0	0%	0	0%	0	0%	2	2%	0	0%	0	0%	0	0%	0	0%	2

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VOC Data

Serial Number	Total VOC 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%	1	100%	0	0%	0	0%	0	0%	0	0%	0	0%		0
100398	1	0	0%	0	0%	0	0%	1	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
Total	109	0	0%	0	0%	0	0%	1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1

Date Range	Total Tests	109
2/22/2023 4/11/2023	Total Messages	1 0.9%

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