

In Field Instrument Review
Date Range: 2024.05.31 – 2024.07.18
Review Completed on 2024.08.08 by Colleen O’Bryant

Status Messages and Action Taken

100342 (SCDL): 2/4 Interference Detected on Subject Tests during calibration, data files were inadvertently uploaded before the memory was cleared. See [100342 2024.06.28 Calibration – Rejected.](#)
– No action taken.

100351 (AST/Soldotna): 5/21 RFI on Subject Tests – No action taken.

100356 (Whittier PD - Girdwood): 1/1 Blank error on VOC. Passing VOC occurred on 7/24/24 – No action taken.

100357 (Wrangell PD): 5/9 Tank Interference on Subject Tests. All 5 status messages occurred on test type “Test”. Instrument was taken out of service due to corrupt database status messages, see [100357 2024.07.16 Change In Status.](#)

100361 (Anchorage PD): 1/70 RFI on Subject Tests, 2/70 Blank Error on Subject Tests, 1/70 Ambient Fail on Subject Tests. Ambient fail and blank errors were all followed by completed tests - No action taken.

100365 (Skagway PD): 2/5 Internal Standard Error on Subject Tests followed by a completed test – [Recommend Monitoring for Internal Standard Error.](#)

100367 (Sitka PD): 1/6 Detector Overflow on Subject Tests – No action taken.

100369 (AST/Bethel): 1/1 Tank Interference on VOC. Failed VOCs on 7/18/24, 7/23/24, 7/23/24 for tank interference and internal standard faults. A passing VOC occurred on 7/24/24 and instrument was taken out of service for preventative maintenance, see [100369 2024.07.31 Change In Status.](#)

100379 (AST/Anchor Point): 2/4 Interference Detected on Subject Tests – occurred on the same individual – No action taken.

100382 (Petersburg PD): 2/7 Static Analysis Error on Subject Tests – [Recommend Monitoring for Static Analysis Error.](#)

100387 (Fort Greely PD): 2/2 Diagnostic Fail on VOC for internal standard errors. Instrument was taken out of service due to failed VOCs, see [100387 2024.06.10 Change In Status Form.](#)

100389 (AST/Fairbanks): 2/45 RFI on Subject Tests – No action taken.

100392 (Homer PD): 1/31 RFI on Subject Tests, 1/31 Blank Error on Subject Tests, 1/31 Ambient Fail on Subject Tests. Blank Error and Ambient Fail were both followed by completed subject tests – No action taken.

100402 (AST/Tok): 1/4 RFI on Subject Tests followed by passing subject test – No action taken.

100403 (Wasilla PD): 1/33 Interference Detected on Subject Test followed by passing subject test, 1/6 User Abort on VOCs – No action taken.

100413 (Fairbanks PD): 5/35 RFI on Subject Tests – No action taken.

100421 (JBER): 2/5 Blank Error on VOCs followed by passing VOC – Recommend monitoring for Blank Errors.

100422 (JBER): 2/16 RFI on Subject Tests followed by passing subject test. Troubleshooting with agency regarding unresponsive screen (100422 2024.07.05 Change In Status) - Instrument removed from service.

100667 (Haines PD): 1/4 RFI on Subject Tests – No action taken.

100668 (North Pole PD): 2/11 RFI on Subject Tests – No action taken.

100669 (Palmer PD): 4/47 RFI on Subject Tests, 1/47 Pump Error followed by passing subject tests, 1/47 Blank Error followed by passing subject tests – Discontinue Monitoring for RFI.

100670 (Unalaska PD): 1/7 Pump error on “test” followed by passing test. Troubleshooting with agency regarding uploading (100670 2024.08.02 Change In Status) – Instrument removed from service for preventative maintenance.

100673 (Seward PD): 2/20 RFI on Subject Tests on same individual followed by passing subject test – No action taken.

100678 (Denali NP): 1/4 Pump Error followed by passing subject test – No action taken.

100680 (AST/Willow): 1/2 Pump Error followed by passing subject test – No action taken.

100689 (Dillingham PD): 1/6 Pump Error followed by passing subject test – No action taken.

100692 (Anchorage Airport PD): 2 /10 Interference Detected on Subject Tests – No action taken.

100697 (Anchorage PD): 3/88 Interference Detected on Subject Tests – No action taken.

Follow Up from Previous In Field Instrument Review

100371 (Whittier PD): Monitor for RFI Status Messages. No breath tests ran during VOC cycle, no RFIs on VOC tests. *Recommend continued monitoring due to lack of breath tests.*

Agencies not included in this summary:

100381 (AST/Talkeetna): Instrument is going to be removed from location when personnel are available due to lack of use. Last VOC on file is from 06/04/2024.

100376 (AST/St. Mary’s): Does not upload and no response on request for files. VOC from 07/18/2024 is needed, VOC from 05/30/2024 is on file.

100675 (AST/Angoon): Instrument cannot currently upload, datafiles not sent at this time. Last VOC upload 05/30/2024. No breath test records since agency received instrument. Agency breath supervisor is out until 08/23/2024. “Instrument busy” message in interactive mode. Instrument was not able to upload as of 08/01/2024.

Subject Test Data

Serial Number	Total Subject 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
		0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	
		Date Range		Total Tests		Total Messages		748		54		7.2%										
		5/31/2024		7/18/2024																		
100342	4	0	0%	0	0%	2	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100351	20	5	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	5
100357	9	0	0%	0	0%	0	0%	5	56%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	5
100361	70	1	1%	0	0%	0	0%	0	0%	2	3%	0	0%	0	0%	1	1%	0	0%	0	0%	4
100365	5	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	40%	0	0%	2
100379	4	0	0%	0	0%	2	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100389	45	2	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100392	31	1	3%	0	0%	0	0%	0	0%	1	3%	0	0%	0	0%	1	3%	0	0%	0	0%	3
100402	4	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100403	33	0	0%	0	0%	1	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100413	35	5	14%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	5
100422	16	2	13%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100667	4	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100668	11	2	18%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100669	47	4	8%	1	2%	0	0%	0	0%	1	2%	0	0%	0	0%	0	0%	0	0%	0	0%	6
100670	7	0	0%	1	14%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100673	20	2	10%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100678	4	0	0%	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100680	2	0	0%	1	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100689	6	0	0%	1	17%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100692	10	0	0%	0	0%	2	20%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100697	88	0	0%	0	0%	3	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3
Total	748	25	3%	5	1%	10	1%	5	1%	4	1%	0	0%	0	0%	2	0%	2	0%	0	0%	54

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		Date Range		Total Tests		Samp Chamb Low		Breath Tube High		Static Analysis Error		Total Codes				
										5/31/2024		7/18/2024									748		0.4%	
										Total Messages		3									0		0	
100367	6	0	0%	1	17%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	1			
100382	7	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	29%	2	2			
Total	748	0	0%	1	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	0%	2	3			

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VOC Data

Serial Number	Total VOC Tests	RFI		Pump Error		Interference		Tank Interference		Date Range		Total Tests		Total Messages		Total Codes						
										6/1/2024	7/18/2024	101	6	5.9%								
										Blank Error		Standard Out of Range		Gas Flow Error		Ambient Fail		Internal Standard Error		Diagnostic Failed		
100356	1	0	0%	0	0%	0	0%	0	0%	1	100%	0	0%	0	0%	0	0%	0	0%	1		
100369	1	0	0%	0	0%	0	0%	1	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100387	2	0	0%	0	0%	0	0%	0	0%	2	40%	0	0%	0	0%	0	0%	0	0%	2	100%	2
100421	5	0	0%	0	0%	0	0%	0	0%	2	40%	0	0%	0	0%	0	0%	0	0%	0	0%	2
Total	101	0	0%	0	0%	0	0%	1	1%	3	3%	0	0%	0	0%	0	0%	0	0%	2	2%	6

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VOC Data

Serial Number	Total VOC 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	Total Codes	
										6/1/2024	7/18/2024	101	1.0%	1	1.0%					
100403	6	1	17%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
Total	101	1	1%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1

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