

In Field Instrument Review

Date Range: 2024.09.06 – 2024.10.24

Review Completed on 2024.11.26 by Megan Carlock

Status Messages and Action Taken

100342 (Unalaska PD): 1/4 Standard Out of Range on Subject Tests followed by a complete breath test – No action taken.

100346 (Kenai PD): 3/10 Diagnostic Failed due to breath hose temperature on Subject Tests. Instrument was moved to a new location, see [100346 2024.09.23 Change In Status -1 and -2](#).

100348 (AST/Bethel): 1/3 Tank Interference on VOC – No action taken.

100351 (AST/Soldotna): 2/17 RFI on Subject Tests. 1/1 RFI on VOC followed by a passing VOC on 10/26/24 – No action taken.

100354 (Anchorage PD): 2/140 Interference Detected on Subject Tests from the same individual, 1/140 Ambient Fail on Subject tests. No action taken.

100358 (AST/Mat-Su West): 8/34 RFI on Subject Test, 2/34 Interference Detected on Subject tests from the same individual. *Recommend monitoring for RFI.*

100365 (Skagway PD): 1/7 Tank Interference, 2/7 Internal Standard Error on Subject Tests. 1/1 Internal Standard error on VOC. Instrument taken out of service, see [100365 2024.09.27 Change In Status](#).

100366 (Kodiak PD): 2/21 RFI on Subject Tests, 3/21 Pump Error on Subject Tests. *Recommend monitoring for pump error.*

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

100380 (Ketchikan PD): 1/11 Tank Interference on Subject Tests – No action taken.

100384 (AST/Kodiak): 1/2 RFI on Subject Tests – No action taken.

100389 (AST/Fairbanks): 4/41 RFI on Subject Tests – No action taken.

100398 (Metlakatla PD): 1/1 Internal Standard Error on VOC. Passing VOC occurred on 11/4/24 – *Recommend monitoring for internal standard error.*

100400 (Bethel PD): 2/24 Pump Error on Subject Tests, 1/24 Interference Detected on Subject Tests, 2/24 Tank Interference on Subject Tests, 1/24 Blank Error on Subject Tests. 1/3 Diagnostic Failed for Internal Standard on VOC. Monitoring was recommended last cycle for standard out of range and tank interference. *Remove from service, new instrument shipped on 11/19/24.*

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

100413 (Fairbanks PD): 2/26 RFI on Subject Tests, 3/26 Tank Interference on Subject Tests which all occurred on test type “Test”, 7/26 Blank Error on Subject Tests, and 1/26 Ambient Fail on Subject Tests. 6 of the Blank Errors occurred before troubleshooting for a 5-way valve, see [100413](#)

2024.09.21 Change In Status. The other Blank Error and Ambient Fail occurred on the same individual with a following passing test. No additional action taken due to troubleshooting on 9/21/24.

100414 (Glacier Bay National Park): 1/6 Diagnostic Failed on VOC due to User Abort and 2/6 User Abort on VOC. These were lab-initiated VOC's which resulted in user abort - No action taken.

100420 (Ft. Greely): 1/6 RFI on Subject Tests. *Discontinue monitoring for filter wheel errors.*

100668 (North Pole PD): 1/4 RFI on Subject Tests – No action taken.

100669 (Palmer PD): 5/44 RFI on Subject Tests and 1/44 Pump Error on Subject Tests – No action taken.

100684 (Fairbanks Airport PD): 2/4 Interference Detected on Subject Tests on the same individual, 1/4 Tank Interference on Subject Tests, 1/2 Tank Interference on VOC – *Recommend monitoring for tank interference.*

100687 (King Cove PD): 1/2 Blank Error on VOC – No action taken.

100697 (Anchorage PD): 2/98 RFI on Subject Tests, 1/98 Pump Error on Subject Tests, 2/98 Interference Detected on Subject Tests, 1 was followed by a completed test. 1/98 Ambient Fail on Subject Tests. No action taken.

100699 (JBER): 1/14 RFI on Subject Tests, 2/14 Internal Standard Error on Subject Tests. Taken out of service, see 100699 2024.10.03 Change In Status.

Follow Up from Previous In Field Instrument Review

100371 (Whittier PD): No breath tests ran during VOC cycle. *Discontinue monitoring for RFI Status Messages.*

100400 (Bethel PD): 2/24 Pump Error on Subject Tests, 1/24 Interference Detected on Subject Tests, 2/24 Tank Interference on Subject Tests, 1/24 Blank Error on Subject Tests. 1/2 Diagnostic failed on VOC. Monitor for standard out of range and tank interference. *Remove from service, new instrument shipped on 11/19/24.*

100420 (Ft. Greely): 1/6 RFI on Subject Tests. Monitoring for filter wheel errors. No further filter wheel errors during the review period – *Discontinue monitoring.*

Agencies not included in this summary

100342 (Unalaska PD): Does not currently upload. VOC from 9/26/2024 is present, VOC from 10/24/2024 is needed.

100370 (Sand Point PD): Intermittently uploading and data files were inadvertently lost, VOC from 10/24/24 is needed.

100376 (AST/St. Mary's): Instrument cannot currently upload, data files not sent at this time, last upload was on 05/20/2024. Agency does not currently have a breath test operator or supervisor, see 100376 2024.11.21 Change In Status. Administratively removed from service as of 11/21/2024.

Subject Test Data										Date Range		Total Tests				665									
										9/6/2024		10/24/2024		Total Messages				74				11.1%			
										Blank Error		Standard Out of Range		Gas Flow Error		Ambient Fail		Internal Standard Error		Diagnostic Failed		Total Codes			
100342	4	0	0%	0	0%	0	0%	0	0%	0	0%	1	25%	0	0%	0	0%	0	0%	0	0%	1			
100346	10	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3	30%	3			
100351	17	2	12%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2			
100354	140	0	0%	0	0%	2	1%	0	0%	0	0%	0	0%	0	0%	1	1%	0	0%	0	0%	3			
100358	34	8	24%	0	0%	2	6%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	10			
100365	7	0	0%	0	0%	0	0%	1	14%	0	0%	0	0%	0	0%	0	0%	2	29%	0	0%	3			
100366	21	2	10%	3	14%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	5			
100374	2	1	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1			
100380	11	0	0%	0	0%	0	0%	1	9%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1			
100384	2	1	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1			
100389	41	4	10%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4			
100400	24	0	0%	2	8%	1	4%	2	8%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	6			
100403	20	0	0%	1	5%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1			
100413	26	2	8%	0	0%	0	0%	3	12%	7	27%	0	0%	0	0%	1	4%	0	0%	0	0%	13			
100420	6	1	17%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1			
100668	4	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1			
100669	44	5	11%	1	2%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	6			
100684	4	0	0%	0	0%	2	50%	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3			
100697	98	2	2%	1	1%	2	2%	0	0%	0	0%	0	0%	0	0%	1	1%	0	0%	0	0%	6			
100699	14	1	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	14%	0	0%	3			
Total	665	30	5%	8	1%	9	1%	8	1%	8	1%	1	0%	0	0%	3	0%	4	1%	3	0%	74			

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.

Date Range		Total Tests	665	
9/6/2024	10/24/2024	Total Messages	0	0.0%

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.

VOC Data

VOC Data													Date Range		Total Tests							
													9/6/2024 - 10/24/2024		95							
													Total Messages		8		8.4%					
Serial Number	Total VOC 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							
100348	3	0 0%	0 0%	0 0%	0 0%	1 33%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	1							
100351	1	1 100%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	1							
100365	1	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	1 100%	0 0%	1							
100398	1	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	1 100%	0 0%	0 0%	1							
100400	3	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	1 33%	1							
100414	6	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	1 17%	1							
100684	2	0 0%	0 0%	0 0%	0 0%	1 50%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	1							
100687	2	0 0%	0 0%	0 0%	0 0%	0 0%	1 50%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	1							
Total	95	1 1%	0 0%	0 0%	0 0%	2 2%	1 1%	0 0%	0 0%	0 0%	0 0%	2 2%	2 2%	2 2%	8							

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VOC Data

VOC Data												Date Range		Total Tests		95					
												9/6/2024		10/24/2024		Total Messages		2		2.1%	
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									
100414	6	2	33%	0	0%	0	0%	0	0%	0	0%	2									
Total	95	2	2%	0	0%	0	0%	0	0%	0	0%	2									

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