

**In Field Instrument Review**  
**Date Range: 2022.09.06 – 2022.10.24**  
**Review Completed on 2022.12.05 by C. O'Bryant**

**Status Messages and Action Taken**

100342 (Bethel PD) - 1/14 Blank Error on subject tests – No action taken.

100346 (Kenai PD) – 1/11 RFI on subject tests – No action taken.

100355 (Homer PD) – 2/27 RFI, 1/27 Blank Error, 1/27 Ambient Fail on subject tests – No action taken.

100358 (AST/Mat-Su West) – 4/17 RFI on subject tests – No action taken.

100367 (Seward PD) – 2/14 RFI, 2/14 Interference on subject tests – Interference detected status messages are followed by a completed test – Monitoring requested during 2022.07.18 – 2022.09.05 IFIR for Standard Out of Range – Discontinue Monitoring.

100373 (Anchorage PD) – 2/106 RFI, 4/106 Interference, 2/106 Ambient Fail, 3/106 Internal Standard Error on subject tests – Instrument removed from service due to instrument not registering breath flow. (100373 2022.11.05 Change In Status).

100379 (AST/Anchor Point) – 1/7 RFI on subject tests – No action taken.

100385 (AST/Fairbanks) – 1/32 Blank Error on subject test – No action taken.

100387 (Palmer PD) – 5/46 RFI, 3/46 Pump Error on subject tests, 1/4 Tank Interference on VOCs – Instrument removed from service due to undefined errors and unable to load ticket database messages (100387 2022.11.04 Change in Status).

100413 (Fairbanks PD) – 2/23 Interference on subject test – occurred on the same subject with elevated filter 2 readings – No action taken.

100421 (JBER) – 1/14 RFI, 1/14 Tank Interference on subject tests, 1/3 Blank Error on VOC – All tests followed by completed tests – No action taken.

100423 (Ft. Wainwright) – 1/16 RFI, 1/16 Interference, 1/1 Blank Error on subject tests – all status messages followed by completed tests – No action taken.

100667 (North Pole PD) – 1/11 RFI, 1/11 Blank Error on subject test – Instrument removed from service due to preventative maintenance (100667 2022.11.15 Change in Status).

100669 (AST/Soldotna) – 5/25 RFI on subject tests – All tests conducted on the same subject who was subsequently tested on another instrument successfully. No additional RFI status messages occurred during this period. – No action taken.

100697 (Anchorage PD) – 5/140 Interference, 4/140 Blank Errors on subject tests – All interference detected status messages occurred on subjects with elevated filter 2 levels, all blank errors were followed by completed tests – No action taken.

100698 (AST/Glennallen) – 2/4 RFI on subject tests – No action taken.

**Follow Up from Previous In Field Instrument Review**

100422 (JBER) – Monitored from 2022.07.19 – 2022.09.05 IFIR – instrument removed from service due to filter won't zero and diagnostic failures (100422 2022.10.11 Change In Status).

100367 (Seward PD) – 2/14 RFI, 2/14 Interference on subject tests – Interference detected status messages are followed by a completed test – Monitoring requested during 2022.07.18 – 2022.09.05 IFIR for Standard Out of Range – Discontinue Monitoring.

100699 (Valdez PD) – Monitored from 2022.07.19 – 2022.09.05 IFIR for blank error and standard out of range on subject tests of the same individual. Polling was verified and no subject tests were conducted during the 2022.09.06 – 2022.10.24 time period – Recommend Continued Monitoring.

Agencies not included in this summary: 100376 (AST/St. Mary's), 100404 (St. Paul PD), 100424 (Eielson AFB), 100676 (Ft. Yukon), 100680 (Dillingham).

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		
		9/6/2022	10/24/2022	9/6/2022	10/24/2022	9/6/2022	10/24/2022	9/6/2022	10/24/2022	9/6/2022	10/24/2022	9/6/2022	10/24/2022	9/6/2022	10/24/2022	9/6/2022	10/24/2022	9/6/2022	10/24/2022	9/6/2022	10/24/2022			
100342	14	0	0%	0	0%	0	0%	0	0%	1	7%	0	0%	0	0%	0	0%	0	0%	0	0%		0	0%
100346	11	1	9%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100355	27	2	7%	0	0%	0	0%	0	0%	1	4%	0	0%	0	0%	1	4%	0	0%	0	0%	0	0%	4
100358	17	4	24%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4
100367	14	2	14%	0	0%	2	14%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4
100373	106	2	2%	0	0%	4	4%	0	0%	0	0%	0	0%	0	0%	2	2%	3	3%	0	0%	0	0%	11
100379	7	1	14%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100385	32	0	0%	0	0%	0	0%	0	0%	1	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
100387	46	5	11%	3	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	8
100413	23	0	0%	0	0%	2	9%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100421	14	1	7%	0	0%	0	0%	1	7%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100423	16	1	6%	0	0%	1	6%	0	0%	1	6%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3
100667	11	1	9%	0	0%	0	0%	0	0%	1	9%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
100669	25	5	20%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	5
100697	140	0	0%	0	0%	5	4%	0	0%	4	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	9
100698	4	2	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2
Total	702	27	4%	3	0%	14	2%	1	0%	9	1%	0	0%	0	0%	3	0%	3	0%	0	0%	0	0%	60

\*\*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

Serial Number	Total VOC Tests	RHI		Pump Error		Interference		Date Range		Total Tests		Total Messages		Ambient Fail		Internal Standard Error		Diagnostic Failed		Total Codes	
								9/8/2022	10/24/2022	Blank Error	Standard Out of Range	Gas Flow Error	2								2.3%
100387	4	0	0%	0	0%	0	0%	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	1	
100421	3	0	0%	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%	0	0%	0	0%	1	
Total	87	0	0%	0	0%	0	0%	1	1%	1	1%	0	0%	0	0%	0	0%	0	0%	2	

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