In Field Instrument Review Date Range: 2021.07.19 – 2021.09.05 Review Completed on 2021.10.13 by Colleen O'Bryant

100342 (Anchorage PD): 10/50 Gas Flow Error on Subject Tests, 5/6 Gas Flow Errors on VOCs – <u>Instrument was Removed from Service for Gas Flow Errors on 2021.08.16 (100342</u> 2021.08.16 Change In Status)

100343 (Sitka PD): 1/3 Tank Interference on VOCs – Followed by multiple successfully completed VOCs – no action taken.

100344 (Juneau PD): 1/25 RFI on Subject Tests, 1/25 Pump Error on Subject Tests – No action taken.

100345 (Valdez PD): 3/8 RFI on Subject Tests, 2/8 Standard Out of Range on Subject Tests, 1/4 Tank Interference on VOC. Most of the status messages (all except 2 RFIs) occurred on the same day or with the same subject with an elevated alcohol level and multiple tests conducted. Tank change and VOCs were successfully conducted on 2021.07.30 and 2021.08.12. – *Recommend monitoring*

100347 (Denali National Park): 1/3 Tank Interference on Subject Tests and 1/3 Internal Standard Error on Subject Test – All status messages occurred during test/test function. Instrument removed from service for screen issues (100347 2021.07.31 Change In Status)

100351 (Fairbanks PD): 1/28 RFI on Subject Tests – No action taken.

100355 (Homer PD): 2/33 Interference Detected on Subject Tests – both status messages occurred on the same subject. - No action taken.

100358 (AST/Mat-Su West): 1/27 RFI on Subject Tests – No action taken.

100362 (AST/Kodiak): 1/2 RFI on Subject Tests – Test was followed by a successfully completed test. - No action taken.

100364 (Anchorage Airport PD): 1/6 Blank Error on Subject Tests – Test was followed by a successfully completed test. - No action taken.

100365 (Anchorage PD): 2/62 Pump Error on Subject Tests, 1/62 Blank Error on Subject Tests – All tests were followed by a successfully completed test. No action taken.

100366 (Anchorage PD): 2/179 Pump Error on Subject Tests, 1/179 Tank Interferences on Subject Tests, 4/179 Blank Error on Subject Tests, 1/179 Standard Out of Range on Subject Tests, 1/179 Ambient Fail on Subject Tests, 2/179 Internal Standard Errors on Subject Tests – All status messages were followed by successfully completed tests, except one Internal Standard Error message. No action taken.

100367 (Seward PD): 1/20 RFI on Subject Test – No action taken.

100376 (Wasilla PD): 1/37 Internal Standard Error on Subject Tests. Followed by a successfully completed test. – *Recommended Monitoring*

100378 (Palmer PD): 1/11 RFI on Subject Tests, 1/11 Pump Error on Subject Tests. Both status messages were followed by a successfully completed test. - No action taken.

100391 (AST/Willow): 1/2 Diagnostic Failure on VOC due to internal standard error. VOC was followed by a successfully completed VOC. – *Recommended Monitoring*

100395 (Fairbanks Airport PD): 1/5 RFI on Subject Tests, 1/5 Tank Interference on Subject Tests. Both status messages occurred on the same subject and were followed by a successfully completed test. – No action taken.

100413 (North Slope Borough PD): 3/7 Internal Standard Errors on Subject Tests, 2/3 Diagnostic Failure on VOC due to internal standard failure. <u>Instrument removed from service for internal standard errors (100413 2021.08.10 Change In Status).</u>

100421 (JBER): 4/25 RFI on Subject Tests – No action taken.

100423 (Ft. Wainwright MP): 2/18 Pump Error on Subject Tests. Both status messages were followed by a successfully completed test. - No action taken.

100668 (Palmer PD): 2/32 RFI on Subject Tests, 2/32 Blank Error on Subject Tests. <u>Instrument</u> removed from service for fatal system error status message (100668 2021.08.31 Change In <u>Status).</u>

100669 (AST/Soldotna): 5/33 RFI on Subject Tests, 1/33 Tank Interference on Subject Tests. All status messages were followed by a successfully completed test. – No action taken.

100670 (Unalaska DPS): 1/3 RFI on Subject Tests. – No action taken.

100675 (Bethel PD): 1/8 Tank Interference on Subject Tests, 1/8 Filter Wheel Error on Subject Tests, 6/8 Diagnostic Failure on VOC due to Detector Overflow (5) and Filter Wheel Error (1). Instrument removed from service for detector overflow status messages (100675 2021.09.11 Change In Status).

100680 (Dillingham PD): 1/13 Interference on Subject Tests. Status message was followed by a successfully completed test. – No action taken.

100682 (Kodiak PD): 1/13 Pump Error on Subject Tests. Status message was followed by a successfully completed test. – No action taken.

100690 (Soldotna PD): 1/6 Standard out of Range on Subject Tests, 2/5 Tank Interference on VOCs. Standard out of range status message was followed by a successfully completed test.

Three successful VOCs since tank change on 2021.08.10. – *Recommended Continued Monitoring*

100699 (Kenai PD): 2/22 Internal Standard Error on Subject Tests. Both status messages were followed by a successfully completed test. <u>Replacement instrument sent 2021.10.11</u>. *Recommended Replacement*

Agencies not included in this summary: 100352 (North Slope Borough PD), 100424 (Eielson AFB), 100665 (AST/Emmonak) and 100686 (Whittier PD).

Subject Test Data											Range		Total Tests	825							
					7/19/2021	9/5/2021		al Messages	71	8.6%											
Serial Number	Total Subject Tests		RFI Pump Er		Error	Error Interference		Tank Interference		Blank Error		Standard Out of Range		Gas Flow Error		Ambient Fail		Internal Standard Error		Diagnos	stic Failed
100342	50	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	10	20%	0	0%	0	0%	0	0%
100344	25	1	4%	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100345	8	3	38%	0	0%	0	0%	0	0%	0	0%	2	25%	0	0%	0	0%	0	0%	0	0%
100347	3	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%	0	0%	0	0%	1	33%	0	0%
100351	28	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100355	33	0	0%	0	0%	2	6%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100358	27	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100362	2	1	50%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100364	6	0	0%	0	0%	0	0%	0	0%	1	17%	0	0%	0	0%	0	0%	0	0%	0	0%
100365	62	0	0%	2	3%	0	0%	0	0%	1	2%	0	0%	0	0%	0	0%	0	0%	0	0%
100366	179	0	0%	2	1%	0	0%	1	1%	4	2%	1	1%	0	0%	1	1%	2	1%	0	0%
100367	20	1	5%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100376	37	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	3%	0	0%
100378	11	1	9%	1	9%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100395	5	1	20%	0	0%	0	0%	1	20%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100413	7	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3	43%	0	0%
100421	25	4	16%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100423	18	0	0%	2	11%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100668	32	2	6%	0	0%	0	0%	0	0%	2	6%	0	0%	0	0%	0	0%	0	0%	0	0%
100669	33	5	15%	0	0%	0	0%	1	3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100670	3	1	33%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100675	8	0	0%	0	0%	0	0%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100680	13	0	0%	0	0%	1	8%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100682	13	0	0%	1	8%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100690	6	0	0%	0	0%	0	0%	0	0%	0	0%	1	17%	Ó	0%	0	0%	0	0%	0	0%
100699	22	0	0%	Ó	0%	Ö	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	9%	0	0%
Total	825	22	3%	9	1%	3	0%	5	1%	8	1%	4	0%	10	1%	1	0%	9	1%	0	0%

Subject Test Data													Total Tests	825							
	7/19/2021	9/5/2021	Tota	I Messages	1	0.1%															
Serial Number	Total Subject Tests	User	Abort	Detector	Detector Overflow		Barometer Error		Filter Wheel Error		Suck Back Error		Undefined Error		Filter 1 Won't Zero		Samp Chamb Low		Breath Tube High		lysis Erroi
100675	8	0	0%	0	0%	0	0%	1	13%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Total	825	0	0%	0	0%	0	0%	1	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%

		4					Date Range			Total Tests											
		ita					7/20/2021 9/5/2021 To			al Messages	18	12.1%									
Serial Number	Total VOC Tests	F	RFI	Pump	Pump Error		erence	Tank Interference		Blank Error		Standard Out of Range		Gas Flow Error		Ambient Fail		Internal Standard Error		Diagnostic Failed	
100342	6	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	5	83%	0	0%	0	0%	0	0%
100343	3	0	0%	0	0%	0	0%	1	33%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100345	4	0	0%	0	0%	0	0%	1	25%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100391	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	50%
100413	3	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	2	67%
100675	8	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	6	75%
100690	5	0	0%	0	0%	0	0%	2	40%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Total	149	0	0%	0	0%	0	0%	4	3%	0	0%	0	0%	5	3%	0	0%	0	0%	9	6%

		7/20/2021		Total Tests 149 Total Messages 0 0.0%			Samp Chamb Low Breath Tube High Static Analysis Error														
Serial Number 100255	Total VOC Tests 2	User 0	Abort 0%	Detector 0	Overflow 0%	Barome 0	ter Error 0%	Filter Wh	neel Error 0%	Suck Bad	ck Error 0%	Undefin 0	ed Error 0%	Filter 1 W	Von't Zero 0%	Samp Ch 0	namb Low 0%	Breath Tu 0	ube High 0%	Static Analysis 0	is Erroi 0%
100342 100343	6 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%	0	0% 0%		0% 0%
100344	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100345 100346	4 0	0	0%	0	0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0%	0	0% 0%	0	0% 0%	0	0%		0% 0%
100347 100348	0 2	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%		0% 0%
100349	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100350 100351	0 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%	0	0% 0%	0	0% 0%
100352 100353	1 0	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%		0% 0%
100354 100355	2 2	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%
100356	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100357 100358	3 1	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0%	0	0% 0%
100359 100360	0	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%		0% 0%
100361	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%
100362 100363	2 0	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0%
100364 100365	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%		0% 0%
100366 100367	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%	0	0% 0%		0% 0%
100368	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100369 100370	0 2	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%
100371 100372	2 0	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%		0% 0%
100373 100374	0	0	0%	0	0%	0	0% 0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	0% 0%
100375	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	0%	0	0%
100376 100377	1 0	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%
100378 100379	5 2	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%		0% 0%
100380 100381	0	0	0%	0	0% 0%	0	0% 0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	0% 0%
100382	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	0%	0	0%
100384 100385	0 2	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0%	0	0% 0%
100386 100387	0 2	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%		0% 0%
100388 100389	2 2	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%
100390	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100391 100392	2	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%
100395 100396	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% 0%
100397 100398	0	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%
100399	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%
100400 100402	2 0	0	0% 0%	0	0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0%
100403 100404	1 1	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0%	0	0% 0%	0	0% 0%	0	0%		0% 0%
100405 100406	0 2	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%		0% 0%
100410 100411	0	0	0%	0	0%	0	0% 0%	0	0%	0	0%	0	0% 0%	0	0% 0%	0	0%	0	0%	0	0% 0%
100412	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100413 100414	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% 0%	0	0% 0%	0	0% 0%
100415 100416	2	0	0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0%	0	0% 0%	0	0% 0%	0	0%		0% 0%
100417 100418	2	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%		0% 0%
100420	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100421 100422	1 1	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%
100423 100424	2 0	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0 0	0% 0%	0	0% 0%	0	0% 0%
100665 100666	0 2	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%
100667 100668	0	0	0%	0	0% 0%	0	0% 0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	0% 0%
100669	2	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100670 100671	0 1	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%
100672 100673	0	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0 0	0% 0%	0	0% 0%	0	0% 0%
100674 100675	0 8	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%
100676	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0% 0%	0	0%	0	0% 0%
100677 100678	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100679 100680	2	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%
100681 100682	0 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%	0	0% 0%	0	0% 0%
100683 100684	1 0	0	0%	0	0%	0	0% 0%	0	0%	0	0%	0	0%	0	0% 0%	0	0% 0%	0	0%	0	0% 0%
100685	0	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100686 100687	0 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%	0	0% 0%	0	0% 0%
100688 100689	0 1	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%		0% 0%
100690 100691	5	0	0%	0	0%	0	0% 0%	0	0%	0	0%	0	0%	0	0% 0%	0	0% 0%	0	0%	0	0% 0%
100692	1	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
100693 100694	2 2	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%
100695 100696	2	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%
100697 100698	0 2	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%	0	0% 0%
100699 100700	1	0	0%	0	0% 0%	0	0% 0%	0	0%	0	0%	0	0% 0%	0	0%	0	0%	0	0%	0	0% 0%
Total	149	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%		0%