



Quality Division Use Only

Quality Tracking #:	2022-022	Classification:	Incident
Non-Conformance Level:	N/A	Section:	Firearms
Date of Discovery:	03/15/22	Date of Incident:	04/26/19

Forensic Case Number(s), if applicable:	Agency Case Number(s), if applicable:
Please see Appendix A for a list of cases	

Description of Non-conformance:
Two digital trigger pull gauges used by the Firearms section for trigger pull measurement were not calibrated in 2019 as required in the Firearms section SOP.

Additional Information/Follow-Up:
<p>The Firearms section purchased two digital trigger pull gauges in 2018, uniquely identified by the section as TP #4 and TP #5. The vendor provided calibration certificates for the gauges, both of which were dated April 26, 2018. TP #4 was validated and placed into service in August of 2018.</p> <p>TP #4 was performance checked monthly using reference weights. The reference weights were calibrated annually. TP #5 was performance checked using the reference weights prior to being put into service in 2020. TP #4 and TP #5 passed all their performance checks.</p> <p>This nonconformance was discovered by section manager while reviewing calibration records related to a discovery order. The manager realized that digital trigger pull gauge #4 (TP #4) was in use in 2019 but had not been sent out for calibration in 2019.</p> <p>The manager also reviewed the calibration records for the second digital trigger pull gauge, TP #5, which was not placed into service until in January 2020. It was in service while TP #4 was being calibrated and was then sent for calibration in February 2020.</p> <p>There is no statutory requirement associated with trigger pull values. The risk to technical work performed using TP #4 and TP #5 between April 2018 and February 2020 (after which time both TP #4 and #5 were calibrated) is low, since both were performance checked (and passed) on schedule and both calibrated the year prior (2018) and annually thereafter (2020, 2021 and 2022). No issues have been listed on the calibration certificates for either trigger pull gauge.</p> <p>The trigger pull gauges are performance checked using reference weights calibrated by an external vendor once every accreditation cycle. The reference weights were calibrated in 2018 and in 2020. There are no issues listed on the calibration certificates for the reference weights.</p>



Summary of Root Cause Analysis:

Note: Incidents are documented for tracking purposes and trend analysis. Root Cause Analysis is not required for incidents.

N/A

Actions Taken:

HFSC moved to a new laboratory facility in the fall of 2019. The move took extensive planning and resources, and the section manager, who is typically responsible for ensuring critical equipment is calibrated per the SOP, forgot to send out the trigger pull gauges.

The Firearms section has a robust and effective performance check and calibration program for its critical equipment. Appropriate actions, including a review of performance checks and calibration certificates by the section manager, have been taken to ensure that the trigger pull gauges have continuously performed as expected; therefore, risk to technical work performed using the trigger pull gauges is minimal. No further action is needed at this time.

Section Manager: Donna Eudaley

Date: 06/16/22

Division Director: Amy Castillo

Date: 06/22/22

Incidents or Corrective Actions that involve the Biology/DNA section are reviewed by the Technical Leader and CODIS Administrator.

Technical Leader: N/A

Date: N/A

CODIS Administrator: N/A

Date: N/A

Quality Director: Erika Ziemak

Date Closed: 06/23/22



Appendix A

Forensic Case Number	Agency Case Number	Forensic Case Number	Agency Case Number
2014-04324	021817914	2019-10731	077867119
2015-05633	042156815	2019-11215	082488019
2016-04094	032259316	2019-11763	084343219
2016-04599	032421516	2019-11870	088217319
2016-13805	090274816	2019-12090	2019-02-00040
2016-17497	116220916	2019-12172	091067719
2016-17526	116616716	2019-12319	092588519
2017-06475	040488217	2019-12320	093118919
2017-10263	066276817	2019-12341	093405019
2017-19841	132916717	2019-12609	092604219
2017-20591	137810517	2019-12640	071805219
2017-23188	157759717	2019-12656	096400719
2018-00020	161945017	2019-13077	099126219
2018-00695	004188418	2019-13195	100015519
2018-01873	013770718	2019-13200	100173219
2018-02501	017521818	2019-13403	102028219
2018-04287	032956218	2019-13459	102521519
2018-05711	046003418	2019-13490	102312719
2018-06037	048851718	2019-13754	105526319
2018-07367	061149118	2019-14087	107974119
2018-07503	061944518	2019-14288	109241819
2018-07854	065866918	2019-14854	114785819
2018-09096	075747818	2019-14951	115438519
2018-11537	098466818	2019-15090	116845919
2018-12444	108413218	2019-15384	119361419
2018-12476	108556718	2019-15593	120935219
2018-12877	110694318	2019-16394	128704719
2018-13918	116826118	2019-16679	130911619
2018-13940	117430618	2019-16757	131299419
2018-14914	121330418	2019-17378	137989119
2018-16133	130479818	2019-17860	143778519
2018-16274	130343718	2019-18039	146082619
2018-18059	145211818	2019-18810	149136719
2018-19374	150253918	2019-19083	154315219
2018-19735	150875918	2019-19250	156230019
2018-20536	160593818	2019-19258	156616219
2019-03450	008870719	2019-19602	159368119
2019-03489	006689719	2019-19657	158995219
2019-04839	021627219	2019-19823	161231519
2019-05311	026524819	2019-19832	157020719
2019-05312	026992719	2019-19989	163203619



2019-05593	028966019	2019-20019	101798019
2019-05923	031791419	2019-20286	166584619
2019-06208	035140619	2019-20368	166890219
2019-06518	034451419	2019-20414	168013519
2019-06520	037578919	2019-20674	170183319
2019-06694	036330719	2019-20680	171652719
2019-06762	039871519	2019-20791	171028019
2019-07048	041896319	2020-00130	001264020
2019-07345	043015519	2020-00277	002508920
2019-07399	045024119	2020-00458	004005720
2019-07400	038889019	2020-01014	009010420
2019-07723	045593719	2020-01280	011929620
2019-07840	050157819	2020-13902	134977820
2019-08146	053296719	2020-16029	154294520
2019-08195	052518219	2021-19889	016992721
2019-08349	051835019	2018-10917	092951218
2019-08603	055248619	2019-13723	104826919
2019-08681	190301-0054	2019-16607	130891219
2019-09197	062475219	2019-19094	155376219
2019-09438	066753319	2019-19570	0309128V
2019-09440	065776819	2019-20518	156422719
2019-09806	066262019	2020-01114	010380820
2019-10052	071098919	2020-01219	011960520
2019-10568	076320219	2020-01859	016864220