March 10, 2021

Michael D. Ruppert Chief Financial Officer Mercury Systems, Inc. 50 Minuteman Road Andover, MA 01810

Re: Mercury Systems, Form 10-K for the Fiscal Year Ended July 2, 2020 Filed August 18, File No. 000-23599

Dear Mr. Ruppert:

Inc.

2020

We have completed our review of your filing. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding

any review, comments, action or absence of action by the staff.

Sincerely,

Division of Corporation Finance

Office of Manufacturing