

Procurement Department  
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**ADDENDUM #2**

**RFP #26-JH-017**

**PFAS Evaluation, Design and Grant Services for Five (5) Schools**

**TO:** ALL PROPOSERS  
**FROM:** Jennifer Horner, CPPB, Supervisor of Procurement  
**DATE:** July 20, 2026

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This Addendum is issued in response to prospective proposer's inquiries and to add/clarify verbiage in the Request for Proposal.

1. **QUESTION:** We were wondering if you would kindly provide the emails of the companies on the preproposal sign in sheet.

**ANSWER:** See attached.

2. **QUESTION:** As a contractor that builds water treatment facilities, we want to be sure that if we participate in some way with others in this effort that we will not be disqualified from bidding on and executing the actual construction of the facilities. Can you and your team please make that evaluation before we proceed further?

**ANSWER:** The current request is for system design services only. If the design is developed by a team that also intends to bid on the construction, it would create a conflict of interest and disqualify that team from bidding on the construction phase.

3. **QUESTION:** An extension of the RFP DUE DATE from Noon 06Aug26 to Noon 27Aug26 is requested to allow for additional time to coordinate with the five (5) individual schools for site visits.

**ANSWER:** To stay on schedule, this deadline will not be extended.

4. **QUESTION:** An extension of the QUESTIONS DUE DATE from Noon 16Jul26 to Noon 06Aug26 is requested to allow for follow-up questions subsequent to the HCPS responses to the first round of questions submitted by 16Jul26.

**ANSWER:** To stay on schedule, this deadline will not be extended.

5. **QUESTION:** Why isn't Harford Academy included on the list of schools in Solicitation # 26-JH-017? At [https://mde.maryland.gov/programs/water/water\\_supply/Pages/PFAS\\_Home.aspx](https://mde.maryland.gov/programs/water/water_supply/Pages/PFAS_Home.aspx), Harford Academy has one of the highest PFAS readings of all HCPS schools.

**ANSWER:** HCPS is in the process of constructing a new facility for Harford Academy at a different location. A final decision has not yet been made regarding the future use of the existing facility. As a result, it is possible that the current building will be demolished.

6. **QUESTION:** What is the current and projected future population of each of the schools in the Solicitation (i.e. - how many students last year and how many are projected in the next five years? Respondents need this information to estimate the number of gallons of water each student will consume, on average.

**ANSWER:** See attached.

7. **QUESTION:** For each school included in the Solicitation, what is the distance in feet between the water main entry point and the edge of the school building?

**ANSWER:** That information will need to be obtained or determined by the consultant. If you would like to review our archived drawings or evaluate the existing conditions through a site visit, you are welcome to do so.

8. **QUESTION:** (page 18, paragraph 2.7) Since it is not possible to scope and price the grant application services until the details necessary for each school are determined, how will HCPS evaluate respondent proposals and pricing on this undefined requirement?

**ANSWER:** It should be understood for the purposes of this RFP that the selected consultant will design an appropriate Granular Activated Carbon (GAC) filtration system for the removal of PFAS from each school's potable water system. The design shall be prepared and submitted through the Maryland Department of the Environment's (MDE) Drinking Water Supply Assistance Program as part of the grant application process. The grant application cycle is anticipated to open in December 2026 or January 2027.

The consultant's proposal shall be based on the successful preparation and submission of a complete and compliant grant application for consideration of funding. If HCPS does not receive grant funding for any reason other than an incomplete or improper grant submission by the consultant, the consultant will be considered to have fulfilled its obligations under this portion of the RFP.

HCPS acknowledges that grant funding is not guaranteed. If the grant application is not successful, HCPS intends to use the completed design and associated cost information to support a request for funding through its FY28 Capital Improvement Plan.

9. **QUESTION:** (page 18, paragraph 2.8.1) What are the explicit services that HCPS expects vendors to provide for "...completion and submission..." of the grant application process?

**ANSWER:** HCPS expects the consultant to properly complete and submit the grant application through the Maryland Department of the Environment's (MDE) Drinking Water Supply Assistance Program. Refer to Question and Response #23 in Addendum #1.

10. **QUESTION:** (page 18, paragraph 2.8.2) What is the full list of "required documents" that vendors must provide for grant applications?

**ANSWER:** Refer to Question and Response #23 in Addendum #1.

11. **QUESTION:** (page 18, paragraph 2.8.2) What is the full list of "technical details" that vendors must provide for grant applications?

**ANSWER:** Refer to Question and Response #23 in Addendum #1.

12. **QUESTION:** (page 18, paragraph 3) What is the purpose of the 10-14Aug26 "Review of Requirements?"

**ANSWER:** This is HCPS's internal process for reviewing the required documents submitted with each proposal.

13. **QUESTION:** (page 18, paragraph 4.1) What "similar experience" will HCPS accept to demonstrate "...five (5) years of experience...related to drinking water contamination and treatment systems?"

**ANSWER:** HCPS will accept comparable experience in the evaluation and design of Granular Activated Carbon (GAC) filtration systems for the removal of contaminants from potable water systems.

14. **QUESTION:** (page 19, paragraph 4.2) For the required "biographic profiles" of assigned staff, please provide each of the following:  
a) required format; and,  
b) maximum page count per individual.

**ANSWER:** The Technical Proposal shall be prepared simply and economically, providing a straightforward, concise description of the Respondent's capabilities to satisfy the RFP requirements. All bids must be submitted strictly in Portable Document Format (.pdf). Emails received with bids in editable formats (e.g., .doc, .xlsx, .pptx) or image formats (e.g., .jpg, .png) may be deemed non-responsive. Links to external websites, cloud storage folders or hosted PDF documents **will not be accepted** or accessed by HCPS. Please note that our system accepts files up to 150 MB. If your file exceeds this size, please send it in multiple emails.

15. **QUESTION:** (page 20, paragraph 7.3) What is the HCPS budget for the first phase?

**ANSWER:** The purpose of this RFP is to identify the costs associated with the design, construction, and maintenance of Granular Activated Carbon (GAC) filtration systems at each school to treat PFAS. The information obtained through this process will be used to develop the budget for the grant application. If grant funding is not awarded, the cost information will be used to support future capital funding requests.

16. **QUESTION:** (page 23, paragraph 16.1) What latitude will respondents have in choosing the method for delivery of oral presentations; i.e. - in-person, virtually, by telephone, etc.?

**ANSWER:** If presentations are necessary, HCPS will coordinate with the respondent regarding the presentation logistics.

17. **QUESTION:** (page 24, paragraph 17.5) How will HCPS substantiate/validate the scoring of respondent proposals?

**ANSWER:** Evaluation committee members will independently score the Technical Proposals using the established evaluation criteria. The committee will then discuss the results and reach a consensus score. The rationale supporting the final scores will be documented and maintained as part of the procurement record. Cost proposals will be scored using the following formula:  $\text{Cost Score} = (\text{Lowest Responsive Cost} \div \text{Respondent's Cost}) \times \text{Maximum Cost Points}$ . The respondent with the lowest evaluated cost will receive the maximum points available, and all other respondents will receive proportionally lower scores.

18. **QUESTION:** Referencing Item 9 on page 2 of the posted "[26-JH-017 Addendum 1] 26-JH-017 Addendum 1.pdf" file, please provide the name and e-mail address for the point of contact at each school for coordinating/scheduling site visits.

**ANSWER:** There is no designated point of contact at each school. You will need to contact the school directly to be connected with the appropriate person to schedule a site visit.

19. **QUESTION:** Referencing the “Drinking Water Plants PFAS Status (August 2024)” table on page 6 of the posted “[26-JH-017 Addendum 1] 26-JH-017 Addendum 1.pdf” file, please provide the 2025 data and the data prior to 2024 for all of the available prior years.

**ANSWER:** See attached.

20. **QUESTION:** Referencing the “HARFORD COUNTY PUBLIC SCHOOLS Well Systems” table on page 8 of the posted “[26-JH-017 Addendum 1] 26-JH-017 Addendum 1.pdf” file, please provide a full explanation and background on the notes for each school listed in the OTHER INFO column.

**ANSWER:** See attached.

21. **QUESTION: Permitting Requirements:** Is the Consultant expected to assist the Board of Education with obtaining all required regulatory approvals and permits from the Maryland Department of the Environment (MDE), the applicable Department of Health (DOH), and any other regulatory agencies for the proposed PFAS treatment systems? If the necessary permits or approvals have already been obtained, please provide copies for our review.

**ANSWER:** Yes, the Consultant is expected to assist the Board of Education with obtaining all required regulatory approvals and permits from the Maryland Department of the Environment (MDE), the applicable Department of Health (DOH), and any other regulatory agencies for the proposed PFAS treatment systems. Drawings/Design documents need to be prepared in a way that if permits are required from any Authority Having Jurisdiction (AHJ) that they can be submitted for review and approval.

22. **QUESTION: Treatment Technology Flexibility:** Does the RFP require the treatment systems to utilize granular activated carbon (GAC) exclusively, or will the Board consider alternative PFAS treatment technologies that can achieve the required treatment objectives while potentially reducing the treatment system footprint and long-term operation and maintenance costs?

**ANSWER:** Yes, the Scope of Services clearly states, “Complete evaluation to determine the proper Granular Activated Carbon filtration system necessary for removing PFAS from the school's potable water.” HCPS does not want to consider alternative PFAS treatment technologies.

23. **QUESTION: Water Quality:** Are there analytical testing results (for analytes other than PFAS) available for each school, pre and post the current treatment system?

**ANSWER:** HCPS has not performed any other testing for analytes other than PFAS.

I hereby acknowledge receipt of Addendum #2 dated July 20, 2026 to RFP #26-JH-017 PFAS Evaluation, Design and Grant Services for Five (5) Schools.

\_\_\_\_\_  
Company

\_\_\_\_\_  
Name (Print or Type)

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

**Note: Proposer shall sign and submit Addendum with RFP submission. The same person signing Addendum shall sign the Signature Sheet. Failure to submit the Addendum may deem your RFP as non-responsive.**

**Pre-Proposal Meeting- RFP 26-JH-017**

PFAS Evaluation, Design & Grant Services for Five (5) Schools

June 25, 2026 @ 9:00 am (local time via Teams)

| <b>Pre-Proposal Attendees</b> | <b>E-Mail Address</b>               |
|-------------------------------|-------------------------------------|
| Charles Mason                 | charles@jw-environmental.com        |
| Christa Kerrigan              | ckerrigan@michaelgraves.com         |
| Crowell, Dawn                 | dcrowell@labellapc.com              |
| Ewald, Evan                   | Evan.Ewald@tetrattech.com           |
| Franks, Brian                 | franks.brian@cleanharbors.com       |
| Guy Sheets                    | Guy.Sheets@et.eurofinsus.com        |
| Hatim Fadlalla                | hfadlalla@dmeconsulting-us.com      |
| Heller, Emily                 | EHeller@geiconsultants.com          |
| Hise, Jeremy                  | jhise@hazenandsawyer.com            |
| Hoffman, Debbie               | Debbie.Hoffman@tetrattech.com       |
| Horvath, Joseph               | horvath.joseph@cleanharbors.com     |
| Jason M. Lytle                | JLytle@gmbnet.com                   |
| Kenneth Kupfer                | Ken@harriskupferarchitects.com      |
| Leah Schultz                  | LSchultz@gipe.net                   |
| Lian Zadeng                   | lzadeng@atmosolutionsinc.com        |
| Marwa Ghoniema                | marwa.ghoniema@dmeconsulting-us.com |
| Mogilnicki, Stephen           | Stephen.Mogilnicki@stantec.com      |
| Rana Sherif                   | rsherif@dmeconsulting-us.com        |
| Ray Lees                      | rlees@Langan.com                    |
| Watkins, Alyssa               | awatkins@eaest.com                  |
| Young, Heather                | hyoung@eaest.com                    |

## ENROLLMENT PROJECTIONS BY GRADE

LEA: Harford County Public Schools

DATE: June 22, 2026

SCHOOL: Dublin Elementary

*BOE Approval Date*

| ENROLLMENT AS OF SEPTEMBER 30TH |                |      |      |      |      |      |      |      |      |      |      |
|---------------------------------|----------------|------|------|------|------|------|------|------|------|------|------|
|                                 | Actual<br>2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
| PRE-K 3                         | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| PRE-K 4                         | 20             | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   |
| KINDERGARTEN                    | 29             | 35   | 35   | 35   | 35   | 35   | 35   | 34   | 33   | 34   | 35   |
| 1st                             | 38             | 28   | 34   | 34   | 34   | 34   | 34   | 34   | 35   | 34   | 35   |
| 2nd                             | 34             | 40   | 28   | 35   | 35   | 35   | 35   | 35   | 33   | 34   | 33   |
| 3rd                             | 35             | 34   | 41   | 28   | 35   | 35   | 35   | 35   | 36   | 34   | 35   |
| 4th                             | 33             | 34   | 33   | 40   | 27   | 34   | 34   | 34   | 34   | 35   | 33   |
| 5th                             | 34             | 33   | 34   | 33   | 40   | 27   | 34   | 34   | 34   | 34   | 35   |
| 6th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 7th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 8th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 9th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 10th                            | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 11th                            | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 12th                            | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| TOTAL                           | 223            | 224  | 225  | 225  | 226  | 220  | 227  | 226  | 225  | 225  | 226  |

## ENROLLMENT PROJECTIONS BY GRADE

LEA: Harford County Public Schools

DATE: June 22, 2026

SCHOOL: Norrisville Elementary

*BOE Approval Date*

| ENROLLMENT AS OF SEPTEMBER 30TH |                |      |      |      |      |      |      |      |      |      |      |
|---------------------------------|----------------|------|------|------|------|------|------|------|------|------|------|
|                                 | Actual<br>2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
| PRE-K 3                         | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| PRE-K 4                         | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 20   | 20   | 20   |
| KINDERGARTEN                    | 39             | 36   | 36   | 35   | 35   | 35   | 35   | 36   | 35   | 35   | 35   |
| 1st                             | 31             | 38   | 35   | 36   | 36   | 35   | 35   | 35   | 37   | 36   | 36   |
| 2nd                             | 36             | 30   | 38   | 34   | 35   | 35   | 34   | 34   | 34   | 36   | 35   |
| 3rd                             | 39             | 36   | 30   | 38   | 34   | 35   | 35   | 34   | 35   | 35   | 37   |
| 4th                             | 40             | 40   | 37   | 30   | 39   | 35   | 36   | 36   | 33   | 34   | 34   |
| 5th                             | 37             | 39   | 39   | 36   | 29   | 38   | 34   | 35   | 36   | 33   | 34   |
| 6th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 7th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 8th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 9th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 10th                            | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 11th                            | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 12th                            | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| TOTAL                           | 222            | 219  | 215  | 209  | 208  | 213  | 209  | 210  | 230  | 229  | 231  |

## ENROLLMENT PROJECTIONS BY GRADE

LEA: Harford County Public Schools

DATE: June 22, 2026

SCHOOL: Prospect Mill Elementary

*BOE Approval Date*

| ENROLLMENT AS OF SEPTEMBER 30TH |                |      |      |      |      |      |      |      |      |      |      |
|---------------------------------|----------------|------|------|------|------|------|------|------|------|------|------|
|                                 | Actual<br>2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
| PRE-K 3                         | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| PRE-K 4                         | 35             | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
| KINDERGARTEN                    | 75             | 87   | 86   | 86   | 86   | 85   | 83   | 84   | 81   | 80   | 80   |
| 1st                             | 84             | 75   | 88   | 88   | 87   | 88   | 86   | 84   | 85   | 82   | 81   |
| 2nd                             | 104            | 84   | 76   | 88   | 88   | 87   | 88   | 86   | 83   | 84   | 81   |
| 3rd                             | 83             | 106  | 87   | 78   | 91   | 91   | 90   | 91   | 87   | 84   | 85   |
| 4th                             | 102            | 85   | 109  | 90   | 80   | 94   | 94   | 93   | 90   | 86   | 83   |
| 5th                             | 89             | 105  | 87   | 112  | 93   | 82   | 97   | 97   | 93   | 90   | 86   |
| 6th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 7th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 8th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 9th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 10th                            | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 11th                            | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 12th                            | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| TOTAL                           | 572            | 582  | 573  | 582  | 565  | 567  | 578  | 575  | 559  | 546  | 536  |



## ENROLLMENT PROJECTIONS BY GRADE

LEA: Harford County Public Schools

DATE: June 22, 2026

SCHOOL: Harford Technical High School

*BOE Approval Date*

| ENROLLMENT AS OF SEPTEMBER 30TH |                |      |      |      |      |      |      |      |      |      |      |
|---------------------------------|----------------|------|------|------|------|------|------|------|------|------|------|
|                                 | Actual<br>2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
| PRE-K 3                         | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| PRE-K 4                         | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| KINDERGARTEN                    | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 1st                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 2nd                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 3rd                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 4th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 5th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 6th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 7th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 8th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 9th                             | 240            | 257  | 255  | 254  | 250  | 250  | 249  | 250  | 251  | 245  | 240  |
| 10th                            | 230            | 229  | 246  | 243  | 242  | 239  | 239  | 238  | 240  | 241  | 235  |
| 11th                            | 238            | 220  | 219  | 235  | 232  | 231  | 228  | 228  | 233  | 235  | 236  |
| 12th                            | 233            | 235  | 217  | 216  | 232  | 229  | 228  | 225  | 222  | 227  | 229  |
| TOTAL                           | 941            | 941  | 937  | 948  | 956  | 949  | 944  | 941  | 946  | 948  | 940  |

## ENROLLMENT PROJECTIONS BY GRADE

LEA: Harford County Public Schools

DATE: June 22, 2026

SCHOOL: Fallston High School

*BOE Approval Date*

| ENROLLMENT AS OF SEPTEMBER 30TH |                |      |      |      |      |      |      |      |      |      |      |
|---------------------------------|----------------|------|------|------|------|------|------|------|------|------|------|
|                                 | Actual<br>2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |
| PRE-K 3                         | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| PRE-K 4                         | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| KINDERGARTEN                    | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 1st                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 2nd                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 3rd                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 4th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 5th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 6th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 7th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 8th                             | 0              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 9th                             | 271            | 289  | 284  | 304  | 294  | 295  | 295  | 294  | 288  | 293  | 294  |
| 10th                            | 238            | 265  | 281  | 277  | 297  | 286  | 287  | 287  | 279  | 273  | 278  |
| 11th                            | 249            | 234  | 260  | 276  | 272  | 292  | 281  | 282  | 282  | 274  | 268  |
| 12th                            | 266            | 246  | 231  | 257  | 273  | 269  | 289  | 279  | 279  | 279  | 271  |
| TOTAL                           | 1024           | 1034 | 1056 | 1114 | 1136 | 1142 | 1152 | 1142 | 1128 | 1119 | 1111 |



## Results Report

Order ID: 5E05887

Harford County Public Schools  
102 South Hickory Ave.  
Bel Air, MD 21014

Project: Dublin Elementary School - PFAS

Attn: Laura Paligo

Regulatory ID: MD1120007

Sample Number: 5E05887-01  
Collector: AJD-STL  
Sample Regulatory ID: MD1120007

Site: Teacher's lounge restroom sink- complia  
Collect Date: 05/22/2025 9:58 am  
SDWA Reporting IDs: ( TP01//EP01 / / )

Sample ID:  
Sample Type: Grab

| Department / Test / Parameter | Result | Units | Method | MRL | MDL | DF | Prep Date | By | Analysis Date | By |
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|

### Semivolatiles

#### PFAS, 533

|              |        |      |         |      |  |   |          |     |                |     |
|--------------|--------|------|---------|------|--|---|----------|-----|----------------|-----|
| 11CI-PF3OUdS | < 1.74 | ng/L | EPA 533 | 1.74 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| 9CI-PF3ONS   | < 1.73 | ng/L | EPA 533 | 1.73 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| ADONA        | < 1.74 | ng/L | EPA 533 | 1.74 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| HFPO-DA      | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| NFDHA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFBA         | 6.64   | ng/L | EPA 533 | 4.61 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFBS         | 2.17   | ng/L | EPA 533 | 1.64 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| 8:2FTS       | < 1.77 | ng/L | EPA 533 | 1.77 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFDA         | 2.09   | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFDoA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFEESA       | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFHpS        | < 1.76 | ng/L | EPA 533 | 1.76 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFHpA        | 6.70   | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| 4:2FTS       | < 1.73 | ng/L | EPA 533 | 1.73 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFHxS        | 3.59   | ng/L | EPA 533 | 1.68 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFHxA        | 18.3   | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFMPA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFMBA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFNA         | 1.93   | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| 6:2FTS       | < 3.51 | ng/L | EPA 533 | 3.51 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFOS         | 8.81   | ng/L | EPA 533 | 1.72 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFOA         | 19.8   | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFPeA        | 22.2   | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFPeS        | < 1.73 | ng/L | EPA 533 | 1.73 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |
| PFUnA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 15:56 | MWS |

| Surrogate Recoveries    | Results | Units | Method  | %Recovery | DF | Limits (%Recovery) | Analysis Date  |
|-------------------------|---------|-------|---------|-----------|----|--------------------|----------------|
| Surrogate: 13C4-PFBA    | 39.0    | ng/L  | EPA 533 | 106%      | 1  | 50-200             | 06/03/25 15:56 |
| Surrogate: 13C5-PFPeA   | 44.8    | ng/L  | EPA 533 | 121%      | 1  | 50-200             | 06/03/25 15:56 |
| Surrogate: 13C3-PFBS    | 45.1    | ng/L  | EPA 533 | 122%      | 1  | 50-200             | 06/03/25 15:56 |
| Surrogate: 13C2-4:2FTS  | 218     | ng/L  | EPA 533 | 147%      | 1  | 50-200             | 06/03/25 15:56 |
| Surrogate: 13C5-PFHxA   | 37.8    | ng/L  | EPA 533 | 102%      | 1  | 50-200             | 06/03/25 15:56 |
| Surrogate: 13C3-HFPO-DA | 36.1    | ng/L  | EPA 533 | 98%       | 1  | 50-200             | 06/03/25 15:56 |
| Surrogate: 13C4-PFHpA   | 36.8    | ng/L  | EPA 533 | 100%      | 1  | 50-200             | 06/03/25 15:56 |
| Surrogate: 13C3-PFHxS   | 44.0    | ng/L  | EPA 533 | 119%      | 1  | 50-200             | 06/03/25 15:56 |
| Surrogate: 13C2-6:2FTS  | 214     | ng/L  | EPA 533 | 145%      | 1  | 50-200             | 06/03/25 15:56 |

Report Generated On: 06/13/2025 10:31 am

5E05887

STL\_Results Revision #4.0

Effective: 05/12/2025





# SUBURBAN TESTING LABS

|                                 |                                               |                   |
|---------------------------------|-----------------------------------------------|-------------------|
| Sample Number: 5E05887-01       | Site: Teacher's lounge restroom sink- complia | Sample ID:        |
| Collector: AJD-STL              | Collect Date: 05/22/2025 9:58 am              | Sample Type: Grab |
| Sample Regulatory ID: MD1120007 | SDWA Reporting IDs: ( TP01//EP01 / / )        |                   |

| Department / Test / Parameter | Result | Units | Method | MRL | MDL | DF | Prep Date | By | Analysis Date | By |
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|

## Semivolatiles (Continued)

PFAS, 533 (Continued)

| Surrogate Recoveries (Continued) | Results | Units | Method  | %Recovery | DF | Limits (%Recovery) | Analysis Date  |
|----------------------------------|---------|-------|---------|-----------|----|--------------------|----------------|
| Surrogate: 13C8-PFOA             | 32.5    | ng/L  | EPA 533 | 88%       | 1  | 50-200             | 06/03/25 15:56 |
| Surrogate: 13C9-PFNA             | 33.3    | ng/L  | EPA 533 | 90%       | 1  | 50-200             | 06/03/25 15:56 |
| Surrogate: 13C8-PFOS             | 42.9    | ng/L  | EPA 533 | 116%      | 1  | 50-200             | 06/03/25 15:56 |
| Surrogate: 13C2-8:2FTS           | 188     | ng/L  | EPA 533 | 127%      | 1  | 50-200             | 06/03/25 15:56 |
| Surrogate: 13C6-PFDA             | 32.5    | ng/L  | EPA 533 | 88%       | 1  | 50-200             | 06/03/25 15:56 |
| Surrogate: 13C7-PFUnA            | 33.4    | ng/L  | EPA 533 | 91%       | 1  | 50-200             | 06/03/25 15:56 |
| Surrogate: 13C2-PFDoA            | 36.5    | ng/L  | EPA 533 | 99%       | 1  | 50-200             | 06/03/25 15:56 |

Report Generated On: 06/13/2025 10:31 am 5E05887  
STL\_Results Revision #4.0 Effective: 05/12/2025





# SUBURBAN TESTING LABS

Sample Number: 5E05887-02 Site: FRB Sample ID:  
Collector: AJD-STL Collect Date: 05/22/2025 9:58 am Sample Type: Grab

| Department / Test / Parameter | Result | Units | Method | MRL | MDL | DF | Prep Date | By | Analysis Date | By |
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|

## Semivolatiles

### PFAS, 533

|              |        |      |         |      |  |   |          |     |                |     |
|--------------|--------|------|---------|------|--|---|----------|-----|----------------|-----|
| 11CI-PF3OUdS | < 1.74 | ng/L | EPA 533 | 1.74 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| 9CI-PF3ONS   | < 1.73 | ng/L | EPA 533 | 1.73 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| ADONA        | < 1.74 | ng/L | EPA 533 | 1.74 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| NFDHA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFBA         | < 4.61 | ng/L | EPA 533 | 4.61 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFBS         | < 1.64 | ng/L | EPA 533 | 1.64 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| 8:2FTS       | < 1.77 | ng/L | EPA 533 | 1.77 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFDA         | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFDoA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFEESA       | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFHpS        | < 1.76 | ng/L | EPA 533 | 1.76 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFHpA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| 4:2FTS       | < 1.73 | ng/L | EPA 533 | 1.73 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFHxS        | < 1.68 | ng/L | EPA 533 | 1.68 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFHxA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFMPA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFMBA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFNA         | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| 6:2FTS       | < 3.51 | ng/L | EPA 533 | 3.51 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFOS         | < 1.72 | ng/L | EPA 533 | 1.72 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFOA         | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFPeA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFPeS        | < 1.73 | ng/L | EPA 533 | 1.73 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |
| PFUnA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 06/06/25 | TMK | 06/09/25 20:42 | MWS |

| Surrogate Recoveries   | Results | Units | Method  | %Recovery | DF | Limits (%Recovery) | Analysis Date  |
|------------------------|---------|-------|---------|-----------|----|--------------------|----------------|
| Surrogate: 13C4-PFBA   | 38.5    | ng/L  | EPA 533 | 104%      | 1  | 50-200             | 06/09/25 20:42 |
| Surrogate: 13C5-PFPeA  | 40.0    | ng/L  | EPA 533 | 108%      | 1  | 50-200             | 06/09/25 20:42 |
| Surrogate: 13C3-PFBS   | 41.6    | ng/L  | EPA 533 | 113%      | 1  | 50-200             | 06/09/25 20:42 |
| Surrogate: 13C2-4:2FTS | 163     | ng/L  | EPA 533 | 110%      | 1  | 50-200             | 06/09/25 20:42 |
| Surrogate: 13C5-PFHxA  | 36.8    | ng/L  | EPA 533 | 100%      | 1  | 50-200             | 06/09/25 20:42 |
| Surrogate: 13C4-PFHpA  | 39.5    | ng/L  | EPA 533 | 107%      | 1  | 50-200             | 06/09/25 20:42 |
| Surrogate: 13C3-PFHxS  | 39.1    | ng/L  | EPA 533 | 106%      | 1  | 50-200             | 06/09/25 20:42 |
| Surrogate: 13C2-6:2FTS | 168     | ng/L  | EPA 533 | 114%      | 1  | 50-200             | 06/09/25 20:42 |
| Surrogate: 13C8-PFOA   | 38.5    | ng/L  | EPA 533 | 104%      | 1  | 50-200             | 06/09/25 20:42 |
| Surrogate: 13C9-PFNA   | 36.0    | ng/L  | EPA 533 | 97%       | 1  | 50-200             | 06/09/25 20:42 |
| Surrogate: 13C8-PFOS   | 40.4    | ng/L  | EPA 533 | 109%      | 1  | 50-200             | 06/09/25 20:42 |
| Surrogate: 13C2-8:2FTS | 138     | ng/L  | EPA 533 | 93%       | 1  | 50-200             | 06/09/25 20:42 |
| Surrogate: 13C6-PFDA   | 35.3    | ng/L  | EPA 533 | 96%       | 1  | 50-200             | 06/09/25 20:42 |
| Surrogate: 13C7-PFUnA  | 34.9    | ng/L  | EPA 533 | 95%       | 1  | 50-200             | 06/09/25 20:42 |
| Surrogate: 13C2-PFDoA  | 34.2    | ng/L  | EPA 533 | 93%       | 1  | 50-200             | 06/09/25 20:42 |

Report Generated On: 06/13/2025 10:31 am  
STL\_Results Revision #4.0

5E05887  
Effective: 05/12/2025





# SUBURBAN TESTING LABS

## Sample Receipt Conditions:

All samples met the sample receipt requirements for the relevant analyses.

## Laboratory Accreditations:

### Suburban Testing Labs - Reading

| <u>Regulatory Authority</u> | <u>Program</u> | <u>Certification ID</u> | <u>Expires</u> |
|-----------------------------|----------------|-------------------------|----------------|
| US EPA                      | Federal        | PA00072                 | N/A            |
| New Jersey DEP              | NELAP          | PA081                   | 06/30/2025     |
| Pennsylvania DEP            | NELAP          | 06-00208                | 09/30/2025     |
| Texas CEQ                   | NELAP          | T10474585               | 03/31/2026     |
| Delaware ODW                | State          | N/A                     | 09/30/2025     |
| Maryland DE                 | State          | 347                     | 12/31/2025     |

All analyses were performed at Suburban Testing Labs - Reading unless otherwise noted.

The test *pH, Lab* is performed in the Laboratory as soon as possible. These results are not appropriate for compliance with NPDES, SDWA, or other regulatory programs that require analysis within 15 minutes of sample collection and should be considered for informational purposes only.

\**pH, Final* for ASTM leachate is performed by method SM 4500-H-B.

All results meet the requirements of STL's NELAP Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or comments, you should evaluate useability relative to your needs.

If collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.

All results reported on an As Received (Wet Weight) basis unless otherwise noted.

This laboratory report may not be reproduced, except in full, without the written approval of STL.

Results are considered Preliminary unless report is signed by authorized representative of STL.

## Reviewed and Released By:

Abigail Cunningham  
Associate Project Manager

Report Generated On: 06/13/2025 10:31 am  
STL\_Results Revision #4.0

5E05887  
Effective: 05/12/2025





# SUBURBAN TESTING LABS

## Chain of Custody Record

1037F MacArthur Road, Reading, PA 19605  
718 Bellaire Avenue, State College PA 16801  
Phone: 610-375-8378 - Fax: 610-375-4090 - suburbantestinglabs.com

TAT (Circle One): Standard - 24hr - 48hr - 72hr - Other \_\_\_\_\_  
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply.)

ORDER ID: 5E05887



|                                                                                                                                                                  |                                               |                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Client Name / Address:</b><br>Harford County Public Schools<br>102 South Hickory Ave.<br>Bel Air, MD 21014<br><br><b>Client Project Manager:</b> Laura Paligo | <b>Phone:</b> 410-688-5956<br><br><b>Fax:</b> | <b>Project Name / Address:</b><br>Dublin Elementary School - PFAS<br><br><b>Regulatory ID (SDWA/Permit #):</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------|

**Project Description:**

**Order Comments:** Added via by APB 05/21/2025 08:56

| Sample Number                        | Sample Description - Site ID                              | Sampling Location | Collect Date/Time | Sampler's Initials                                                                                         | Matrix        | Sample Type              | Composite Start Date / Time |
|--------------------------------------|-----------------------------------------------------------|-------------------|-------------------|------------------------------------------------------------------------------------------------------------|---------------|--------------------------|-----------------------------|
| 5E05887-01                           | Teacher's lounge restroom (TP01//EP01 Compliance / ? / ?) |                   |                   |                                                                                                            | SDWA          | Grab                     |                             |
| <b>Container Type / Preservation</b> |                                                           |                   |                   | <b>Preservation Check</b>                                                                                  |               | <b>Analysis - Method</b> |                             |
| 250mL PP & Ammonium Acetate          |                                                           | X                 | A                 | <i>X = phi 6-8, free</i><br><i>CL = NO (WPD) 5-22-25 OK</i><br><b>Semivolatiles</b><br>PFAS, 533 - EPA 533 |               | <b>Field Results</b>     |                             |
| 250mL PP & Ammonium Acetate          |                                                           | X                 | B                 |                                                                                                            |               |                          |                             |
| 250mL PP & Ammonium Acetate          |                                                           | X                 | C                 |                                                                                                            |               |                          |                             |
| 5E05887-02                           | FRB                                                       |                   |                   |                                                                                                            | Potable Water | Grab                     |                             |
| <b>Container Type / Preservation</b> |                                                           |                   |                   | <b>Preservation Check</b>                                                                                  |               | <b>Analysis - Method</b> |                             |
| 250mL PP & Ammonium Acetate          |                                                           | X                 | A                 | <b>Semivolatiles</b><br>PFAS, 533 FRB Hold - EPA 533                                                       |               | <b>Field Results</b>     |                             |
| 250mL PP & Blank Water               |                                                           |                   | B                 |                                                                                                            |               |                          |                             |

WKO TAT = 15

Cool Sample(s) to 6 C

|                                                               |       |          |                               |                                                                                                                                                                                                                                                               |                                                                                                                                                                                |                                                                                                                                                                                   |
|---------------------------------------------------------------|-------|----------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relinquished By:                                              | Count | Date:    | Temp (°C):                    | <b>Sample Conditions</b>                                                                                                                                                                                                                                      | <b>Sample Type Key</b>                                                                                                                                                         | <b>Bottle Type Key</b>                                                                                                                                                            |
|                                                               |       | Time:    | Temp (°C):                    |                                                                                                                                                                                                                                                               |                                                                                                                                                                                |                                                                                                                                                                                   |
| Received By:                                                  |       | Date:    | Temp (°C):                    | Number of Containers\Cooler received matches number on COC? <i>Y/N</i><br><br>Sample labels and COC free of discrepancies? <i>Y/N</i><br><br>All Containers Intact? <i>Y/N</i><br><br>VOC vials for VOA analysis free of headspace, if applicable? <i>Y/N</i> | G = Grab<br>C = Composite<br>8HC = 8 Hr. Composite<br>24HC = 24 Hr. Composite<br><br>D = Distribution<br>E = Entry Point<br>R = Raw<br>C = Check<br>S = Special<br>M = Maximum | P = Plastic<br>G = Glass<br>GA = Glass Amber<br>VOA = 40mL G or GA<br><br>PP = Sterile Polypropylene<br>PS = Sterile Polystyrene<br>HDPE = High Density Polyethylene<br>O = Other |
|                                                               |       | Time:    | Temp (°C):                    |                                                                                                                                                                                                                                                               |                                                                                                                                                                                |                                                                                                                                                                                   |
| Relinquished By:                                              |       | Date:    | Temp (°C):                    |                                                                                                                                                                                                                                                               |                                                                                                                                                                                |                                                                                                                                                                                   |
|                                                               |       | Time:    | Temp (°C):                    |                                                                                                                                                                                                                                                               |                                                                                                                                                                                |                                                                                                                                                                                   |
| Received in Lab By:                                           |       | Date:    | Temp (°C):                    |                                                                                                                                                                                                                                                               |                                                                                                                                                                                |                                                                                                                                                                                   |
|                                                               |       | Time:    | Temp (°C):                    |                                                                                                                                                                                                                                                               |                                                                                                                                                                                |                                                                                                                                                                                   |
| <input type="checkbox"/> State College Laboratory* <i>CTB</i> |       | <i>5</i> | <i>5-22-25</i><br><i>1543</i> | <i>1.8</i><br><i>1.8</i>                                                                                                                                                                                                                                      |                                                                                                                                                                                |                                                                                                                                                                                   |

Signing this form indicates your agreement with STL's Standard Terms and Conditions (www.suburbantestinglabs.com/resources/standard-terms-and-conditions.html) unless otherwise specified in writing.

\*All samples received and processed at Reading Laboratory unless box is checked

Shaded areas are for STL use only



## Results Report

Order ID: 5E05888

Harford County Public Schools  
102 South Hickory Ave.  
Bel Air, MD 21014

Project: Fallston High School - PFAS

Attn: Laura Paligo

Regulatory ID: MD1120012

Sample Number: 5E05888-01

Site: Faculty Room 232, Women's restroom s

Sample ID:

Collector: AJD-STL

Collect Date: 05/22/2025 12:41 pm

Sample Type: Grab

Sample Regulatory ID: MD1120012

SDWA Reporting IDs: ( TP01//EP01 / / )

| Department / Test / Parameter | Result | Units | Method | MRL | MDL | DF | Prep Date | By | Analysis Date | By |
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|

### Semivolatiles

#### PFAS, 533

|              |        |      |         |      |  |   |          |     |                |     |
|--------------|--------|------|---------|------|--|---|----------|-----|----------------|-----|
| 11CI-PF3OUdS | < 1.76 | ng/L | EPA 533 | 1.76 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| 9CI-PF3ONS   | < 1.74 | ng/L | EPA 533 | 1.74 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| ADONA        | < 1.76 | ng/L | EPA 533 | 1.76 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| HFPO-DA      | < 1.87 | ng/L | EPA 533 | 1.87 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| NFDHA        | < 1.87 | ng/L | EPA 533 | 1.87 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFBA         | 9.65   | ng/L | EPA 533 | 4.66 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFBS         | 10.2   | ng/L | EPA 533 | 1.66 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| 8:2FTS       | < 1.79 | ng/L | EPA 533 | 1.79 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFDA         | < 1.87 | ng/L | EPA 533 | 1.87 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFDoA        | < 1.87 | ng/L | EPA 533 | 1.87 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFEESA       | < 1.87 | ng/L | EPA 533 | 1.87 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFHpS        | 2.57   | ng/L | EPA 533 | 1.78 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFHpA        | 10.8   | ng/L | EPA 533 | 1.87 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| 4:2FTS       | < 1.75 | ng/L | EPA 533 | 1.75 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFHxS        | 86.3   | ng/L | EPA 533 | 1.70 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFHxA        | 37.4   | ng/L | EPA 533 | 1.87 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFMPA        | < 1.87 | ng/L | EPA 533 | 1.87 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFMBA        | < 1.87 | ng/L | EPA 533 | 1.87 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFNA         | 25.0   | ng/L | EPA 533 | 1.87 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| 6:2FTS       | 7.25   | ng/L | EPA 533 | 3.55 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFOS         | 94.3   | ng/L | EPA 533 | 1.74 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFOA         | 13.5   | ng/L | EPA 533 | 1.87 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFPeA        | 49.0   | ng/L | EPA 533 | 1.87 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFPeS        | 8.78   | ng/L | EPA 533 | 1.75 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |
| PFUnA        | < 1.87 | ng/L | EPA 533 | 1.87 |  | 1 | 05/30/25 | MEL | 06/03/25 16:16 | MWS |

| Surrogate Recoveries    | Results | Units | Method  | %Recovery | DF | Limits (%Recovery) | Analysis Date  |
|-------------------------|---------|-------|---------|-----------|----|--------------------|----------------|
| Surrogate: 13C4-PFBA    | 36.8    | ng/L  | EPA 533 | 99%       | 1  | 50-200             | 06/03/25 16:16 |
| Surrogate: 13C5-PFPeA   | 38.8    | ng/L  | EPA 533 | 104%      | 1  | 50-200             | 06/03/25 16:16 |
| Surrogate: 13C3-PFBS    | 48.9    | ng/L  | EPA 533 | 131%      | 1  | 50-200             | 06/03/25 16:16 |
| Surrogate: 13C2-4:2FTS  | 208     | ng/L  | EPA 533 | 140%      | 1  | 50-200             | 06/03/25 16:16 |
| Surrogate: 13C5-PFHxA   | 33.0    | ng/L  | EPA 533 | 88%       | 1  | 50-200             | 06/03/25 16:16 |
| Surrogate: 13C3-HFPO-DA | 28.8    | ng/L  | EPA 533 | 77%       | 1  | 50-200             | 06/03/25 16:16 |
| Surrogate: 13C4-PFHpA   | 31.4    | ng/L  | EPA 533 | 84%       | 1  | 50-200             | 06/03/25 16:16 |
| Surrogate: 13C3-PFHxS   | 45.0    | ng/L  | EPA 533 | 120%      | 1  | 50-200             | 06/03/25 16:16 |
| Surrogate: 13C2-6:2FTS  | 210     | ng/L  | EPA 533 | 141%      | 1  | 50-200             | 06/03/25 16:16 |

Report Generated On: 06/13/2025 9:21 am

5E05888

STL\_Results Revision #4.0

Effective: 05/12/2025







# SUBURBAN TESTING LABS

|                                 |                                            |                   |
|---------------------------------|--------------------------------------------|-------------------|
| Sample Number: 5E05888-01       | Site: Faculty Room 232, Women's restroom s | Sample ID:        |
| Collector: AJD-STL              | Collect Date: 05/22/2025 12:41 pm          | Sample Type: Grab |
| Sample Regulatory ID: MD1120012 | SDWA Reporting IDs: ( TP01//EP01 / / )     |                   |

| Department / Test / Parameter | Result | Units | Method | MRL | MDL | DF | Prep Date | By | Analysis Date | By |
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|

## Semivolatiles (Continued)

PFAS, 533 (Continued)

| Surrogate Recoveries (Continued) | Results | Units | Method  | %Recovery | DF | Limits (%Recovery) | Analysis Date  |
|----------------------------------|---------|-------|---------|-----------|----|--------------------|----------------|
| Surrogate: 13C8-PFOA             | 29.0    | ng/L  | EPA 533 | 78%       | 1  | 50-200             | 06/03/25 16:16 |
| Surrogate: 13C9-PFNA             | 26.5    | ng/L  | EPA 533 | 71%       | 1  | 50-200             | 06/03/25 16:16 |
| Surrogate: 13C8-PFOS             | 43.7    | ng/L  | EPA 533 | 117%      | 1  | 50-200             | 06/03/25 16:16 |
| Surrogate: 13C2-8:2FTS           | 189     | ng/L  | EPA 533 | 127%      | 1  | 50-200             | 06/03/25 16:16 |
| Surrogate: 13C6-PFDA             | 23.3    | ng/L  | EPA 533 | 63%       | 1  | 50-200             | 06/03/25 16:16 |
| Surrogate: 13C7-PFUnA            | 25.2    | ng/L  | EPA 533 | 68%       | 1  | 50-200             | 06/03/25 16:16 |
| Surrogate: 13C2-PFDoA            | 28.4    | ng/L  | EPA 533 | 76%       | 1  | 50-200             | 06/03/25 16:16 |

Report Generated On: 06/13/2025 9:21 am 5E05888  
STL\_Results Revision #4.0 Effective: 05/12/2025





# SUBURBAN TESTING LABS

Sample Number: 5E05888-02 Site: FRB Sample ID:  
Collector: AJD-STL Collect Date: 05/22/2025 12:41 pm Sample Type: Grab

| Department / Test / Parameter | Result | Units | Method | MRL | MDL | DF | Prep Date | By | Analysis Date | By |
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|

## Semivolatiles

### PFAS, 533

|              |        |      |         |      |  |   |          |     |               |     |
|--------------|--------|------|---------|------|--|---|----------|-----|---------------|-----|
| 11CI-PF3OUdS | < 1.71 | ng/L | EPA 533 | 1.71 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| 9CI-PF3ONS   | < 1.69 | ng/L | EPA 533 | 1.69 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| ADONA        | < 1.71 | ng/L | EPA 533 | 1.71 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| HFPO-DA      | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| NFDHA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFBA         | < 4.51 | ng/L | EPA 533 | 4.51 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFBS         | < 1.61 | ng/L | EPA 533 | 1.61 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| 8:2FTS       | < 1.73 | ng/L | EPA 533 | 1.73 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFDA         | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFDoA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFEESA       | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFHpS        | < 1.72 | ng/L | EPA 533 | 1.72 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFHpA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| 4:2FTS       | < 1.70 | ng/L | EPA 533 | 1.70 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFHxS        | < 1.64 | ng/L | EPA 533 | 1.64 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFHxA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFMPA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFMBA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFNA         | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| 6:2FTS       | < 3.44 | ng/L | EPA 533 | 3.44 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFOS         | < 1.68 | ng/L | EPA 533 | 1.68 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFOA         | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFPeA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFPeS        | < 1.70 | ng/L | EPA 533 | 1.70 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |
| PFUnA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 06/06/25 | TMK | 06/10/25 5:34 | MWS |

| Surrogate Recoveries    | Results | Units | Method  | %Recovery | DF | Limits (%Recovery) | Analysis Date |
|-------------------------|---------|-------|---------|-----------|----|--------------------|---------------|
| Surrogate: 13C4-PFBA    | 37.5    | ng/L  | EPA 533 | 104%      | 1  | 50-200             | 06/10/25 5:34 |
| Surrogate: 13C5-PFPeA   | 38.7    | ng/L  | EPA 533 | 107%      | 1  | 50-200             | 06/10/25 5:34 |
| Surrogate: 13C3-PFBS    | 39.2    | ng/L  | EPA 533 | 109%      | 1  | 50-200             | 06/10/25 5:34 |
| Surrogate: 13C2-4:2FTS  | 151     | ng/L  | EPA 533 | 104%      | 1  | 50-200             | 06/10/25 5:34 |
| Surrogate: 13C5-PFHxA   | 34.5    | ng/L  | EPA 533 | 96%       | 1  | 50-200             | 06/10/25 5:34 |
| Surrogate: 13C3-HFPO-DA | 32.7    | ng/L  | EPA 533 | 91%       | 1  | 50-200             | 06/10/25 5:34 |
| Surrogate: 13C4-PFHpA   | 35.6    | ng/L  | EPA 533 | 99%       | 1  | 50-200             | 06/10/25 5:34 |
| Surrogate: 13C3-PFHxS   | 36.9    | ng/L  | EPA 533 | 102%      | 1  | 50-200             | 06/10/25 5:34 |
| Surrogate: 13C2-6:2FTS  | 153     | ng/L  | EPA 533 | 106%      | 1  | 50-200             | 06/10/25 5:34 |
| Surrogate: 13C8-PFOA    | 36.2    | ng/L  | EPA 533 | 100%      | 1  | 50-200             | 06/10/25 5:34 |
| Surrogate: 13C9-PFNA    | 35.5    | ng/L  | EPA 533 | 98%       | 1  | 50-200             | 06/10/25 5:34 |
| Surrogate: 13C8-PFOS    | 37.7    | ng/L  | EPA 533 | 104%      | 1  | 50-200             | 06/10/25 5:34 |
| Surrogate: 13C2-8:2FTS  | 135     | ng/L  | EPA 533 | 93%       | 1  | 50-200             | 06/10/25 5:34 |
| Surrogate: 13C6-PFDA    | 32.3    | ng/L  | EPA 533 | 89%       | 1  | 50-200             | 06/10/25 5:34 |
| Surrogate: 13C7-PFUnA   | 30.8    | ng/L  | EPA 533 | 85%       | 1  | 50-200             | 06/10/25 5:34 |
| Surrogate: 13C2-PFDoA   | 30.0    | ng/L  | EPA 533 | 83%       | 1  | 50-200             | 06/10/25 5:34 |

Report Generated On: 06/13/2025 9:21 am 5E05888  
STL\_Results Revision #4.0 Effective: 05/12/2025



**Sample Receipt Conditions:**

All samples met the sample receipt requirements for the relevant analyses.

**Laboratory Accreditations:****Suburban Testing Labs - Reading**

| <u>Regulatory Authority</u> | <u>Program</u> | <u>Certification ID</u> | <u>Expires</u> |
|-----------------------------|----------------|-------------------------|----------------|
| US EPA                      | Federal        | PA00072                 | N/A            |
| New Jersey DEP              | NELAP          | PA081                   | 06/30/2025     |
| Pennsylvania DEP            | NELAP          | 06-00208                | 09/30/2025     |
| Texas CEQ                   | NELAP          | T10474585               | 03/31/2026     |
| Delaware ODW                | State          | N/A                     | 09/30/2025     |
| Maryland DE                 | State          | 347                     | 12/31/2025     |

All analyses were performed at Suburban Testing Labs - Reading unless otherwise noted.

The test *pH, Lab* is performed in the Laboratory as soon as possible. These results are not appropriate for compliance with NPDES, SDWA, or other regulatory programs that require analysis within 15 minutes of sample collection and should be considered for informational purposes only.

\**pH, Final* for ASTM leachate is performed by method SM 4500-H-B.

All results meet the requirements of STL's NELAP Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or comments, you should evaluate useability relative to your needs.

If collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.

All results reported on an As Received (Wet Weight) basis unless otherwise noted.

This laboratory report may not be reproduced, except in full, without the written approval of STL.

Results are considered Preliminary unless report is signed by authorized representative of STL.

**Reviewed and Released By:**

Abigail Cunningham  
Associate Project Manager

Report Generated On: 06/13/2025 9:21 am 5E05888  
STL\_Results Revision #4.0 Effective: 05/12/2025





# Chain of Custody Record

1037F MacArthur Road, Reading, PA 19605  
718 Bellaire Avenue, State College PA 16801  
Phone: 610-375-8378 - Fax: 610-375-4090 - suburbantestinglabs.com

TAT (Circle One): Standard - 24hr - 48hr - 72hr - Other \_\_\_\_\_  
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply.)

ORDER ID: 5E05888



|                                                                                                        |                             |                                                        |
|--------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------|
| Client Name / Address:<br>Harford County Public Schools<br>102 South Hickory Ave.<br>Bel Air, MD 21014 | Phone: 410-688-5956<br>Fax: | Project Name / Address:<br>Fallston High School - PFAS |
| Client Project Manager: Laura Paligo                                                                   | Payment / P.O. Info:        | Regulatory ID (SDWA/Permit #):                         |

Project Description:

Order Comments: Added via by APB 05/21/2025 08:56

| Sample Number                 | Sample Description - Site ID         | Sampling Location | Collect Date/Time | Sampler's Initials | Matrix | Sample Type                  | Composite Start Date / Time |
|-------------------------------|--------------------------------------|-------------------|-------------------|--------------------|--------|------------------------------|-----------------------------|
| 5E05888-01                    | Faculty Room 232, Womer (TP01//EP01) |                   |                   |                    | SDWA   | Grab                         |                             |
| Container Type / Preservation |                                      |                   |                   | Preservation Check |        | Analysis - Method            |                             |
| 250mL PP & Ammonium Acetate   |                                      |                   |                   | X                  | A      | Semivolatiles                |                             |
| 250mL PP & Ammonium Acetate   |                                      |                   |                   | X                  | B      | PFAS, 533 - EPA 533          |                             |
| 250mL PP & Ammonium Acetate   |                                      |                   |                   | X                  | C      |                              |                             |
| 5E05888-02                    |                                      |                   |                   | FRB                |        | Potable Water                | Grab                        |
| Container Type / Preservation |                                      |                   |                   | Preservation Check |        | Analysis - Method            |                             |
| 250mL PP & Ammonium Acetate   |                                      |                   |                   | X                  | A      | Semivolatiles                |                             |
| 250mL PP & Blank Water        |                                      |                   |                   | 0                  | B      | PFAS, 533 FRB Hold - EPA 533 |                             |

6- container received  
and disposed  
5-22-25

WKO TAT = 15

Cool Sample(s) to 6 C

|                                                   |       |                             |                                  |                                                                    |                                                                               |                                                                                                         |
|---------------------------------------------------|-------|-----------------------------|----------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Relinquished By:                                  | Count | Date:                       | Temp (°C):                       | Sample Conditions                                                  | Sample Type Key                                                               | Bottle Type Key                                                                                         |
| Received By:                                      |       | Date:                       | Temp (°C):                       | Number of Containers/Cooler received matches number on COC? (Y/N)  | G = Grab<br>C = Composite<br>8HC = 8 Hr. Composite<br>24HC = 24 Hr. Composite | P = Plastic<br>G = Glass<br>GA = Glass Amber<br>VOA = 40mL G or GA                                      |
| Relinquished By:                                  |       | Date:                       | Temp (°C):                       | Sample labels and COC free of discrepancies? (Y/N)                 | D = Distribution<br>E = Entry Point                                           | PP = Sterile Polypropylene<br>PS = Sterile Polystyrene<br>HDPE = High Density Polyethylene<br>O = Other |
| Received in Lab By:                               |       | Date:                       | Temp (°C):                       | All Containers Intact? (Y/N)                                       | R = Raw<br>C = Check<br>S = Special<br>M = Maximum                            | Preservative Key<br>A = Ascorbic Acid<br>C = HCl<br>H = HNO3<br>N = Sodium Thiosulfate                  |
| <input type="checkbox"/> State College Laboratory | 5     | Date: 5/22/25<br>Time: 1556 | Temp (°C): 21<br>Acceptable: Y/N | VOC vials for VOA analysis free of headspace, if applicable? (Y/N) |                                                                               | OH = NaOH<br>S = H2SO4<br>O = Other<br>NA = None Required                                               |

Signing this form indicates your agreement with STL's Standard Terms and Conditions (www.suburbantestinglabs.com/resources/standard-terms-and-conditions.html) unless otherwise specified in writing.

Shaded areas are for STL use only

\*All samples received and processed at Reading Laboratory unless box is checked

wko\_STL\_Prelim\_Log.rpt  
Rev 2.2 May 2025

Lab Manager: Abigail Cunningham

Date Created: 05/21/2025 12:00

Date Printed: 05/21/2025

Work Order ID: 5E05888

Page 1 of 1  
Page 20 of 40

Arrived in free flowing water but bagged w/ 5-22-25



## Results Report

Order ID: 5E05891

Harford County Public Schools  
102 South Hickory Ave.  
Bel Air, MD 21014

Project: Harford Technical High School - PFAS

Attn: Laura Paligo

Regulatory ID: MD1120035

Sample Number: 5E05891-01  
Collector: AJD-STL  
Sample Regulatory ID: MD1120035

Site: Boiler room hand sink- compliance  
Collect Date: 05/22/2025 10:59 am  
SDWA Reporting IDs: ( TP01//EP01 / / )

Sample ID:  
Sample Type: Grab

| Department / Test / Parameter | Result | Units | Method | MRL | MDL | DF | Prep Date | By | Analysis Date | By |
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|

### Semivolatiles

#### PFAS, 533

|              |        |      |         |      |  |   |          |     |                |     |
|--------------|--------|------|---------|------|--|---|----------|-----|----------------|-----|
| 11CI-PF3OUdS | < 1.71 | ng/L | EPA 533 | 1.71 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| 9CI-PF3ONS   | < 1.69 | ng/L | EPA 533 | 1.69 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| ADONA        | < 1.71 | ng/L | EPA 533 | 1.71 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| HFPO-DA      | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| NFDHA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFBA         | 26.1   | ng/L | EPA 533 | 4.51 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFBS         | 4.04   | ng/L | EPA 533 | 1.61 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| 8:2FTS       | < 1.73 | ng/L | EPA 533 | 1.73 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFDA         | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFDoA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFEESA       | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFHpS        | < 1.72 | ng/L | EPA 533 | 1.72 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFHpA        | 14.0   | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| 4:2FTS       | < 1.70 | ng/L | EPA 533 | 1.70 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFHxS        | 5.70   | ng/L | EPA 533 | 1.64 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFHxA        | 82.0   | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFMPA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFMBA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFNA         | 7.42   | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| 6:2FTS       | < 3.44 | ng/L | EPA 533 | 3.44 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFOS         | 6.94   | ng/L | EPA 533 | 1.68 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFOA         | 36.9   | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFPeA        | 116    | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFPeS        | < 1.70 | ng/L | EPA 533 | 1.70 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |
| PFUnA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MEL | 06/03/25 17:15 | MWS |

| Surrogate Recoveries    | Results | Units | Method  | %Recovery | DF | Limits (%Recovery) | Analysis Date  |
|-------------------------|---------|-------|---------|-----------|----|--------------------|----------------|
| Surrogate: 13C4-PFBA    | 37.5    | ng/L  | EPA 533 | 104%      | 1  | 50-200             | 06/03/25 17:15 |
| Surrogate: 13C5-PFPeA   | 51.7    | ng/L  | EPA 533 | 143%      | 1  | 50-200             | 06/03/25 17:15 |
| Surrogate: 13C3-PFBS    | 40.8    | ng/L  | EPA 533 | 113%      | 1  | 50-200             | 06/03/25 17:15 |
| Surrogate: 13C2-4:2FTS  | 213     | ng/L  | EPA 533 | 148%      | 1  | 50-200             | 06/03/25 17:15 |
| Surrogate: 13C5-PFHxA   | 33.6    | ng/L  | EPA 533 | 93%       | 1  | 50-200             | 06/03/25 17:15 |
| Surrogate: 13C3-HFPO-DA | 30.7    | ng/L  | EPA 533 | 85%       | 1  | 50-200             | 06/03/25 17:15 |
| Surrogate: 13C4-PFHpA   | 38.4    | ng/L  | EPA 533 | 106%      | 1  | 50-200             | 06/03/25 17:15 |
| Surrogate: 13C3-PFHxS   | 41.5    | ng/L  | EPA 533 | 115%      | 1  | 50-200             | 06/03/25 17:15 |
| Surrogate: 13C2-6:2FTS  | 215     | ng/L  | EPA 533 | 149%      | 1  | 50-200             | 06/03/25 17:15 |

Report Generated On: 06/13/2025 10:33 am

5E05891

STL\_Results Revision #4.0

Effective: 05/12/2025





|                                 |                                         |                   |
|---------------------------------|-----------------------------------------|-------------------|
| Sample Number: 5E05891-01       | Site: Boiler room hand sink- compliance | Sample ID:        |
| Collector: AJD-STL              | Collect Date: 05/22/2025 10:59 am       | Sample Type: Grab |
| Sample Regulatory ID: MD1120035 | SDWA Reporting IDs: ( TP01//EP01 / / )  |                   |

| Department / Test / Parameter | Result | Units | Method | MRL | MDL | DF | Prep Date | By | Analysis Date | By |
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|

## Semivolatiles (Continued)

PFAS, 533 (Continued)

| Surrogate Recoveries (Continued) | Results | Units | Method  | %Recovery | DF | Limits (%Recovery) | Analysis Date  |
|----------------------------------|---------|-------|---------|-----------|----|--------------------|----------------|
| Surrogate: 13C8-PFOA             | 29.9    | ng/L  | EPA 533 | 83%       | 1  | 50-200             | 06/03/25 17:15 |
| Surrogate: 13C9-PFNA             | 23.5    | ng/L  | EPA 533 | 65%       | 1  | 50-200             | 06/03/25 17:15 |
| Surrogate: 13C8-PFOS             | 40.0    | ng/L  | EPA 533 | 111%      | 1  | 50-200             | 06/03/25 17:15 |
| Surrogate: 13C2-8:2FTS           | 183     | ng/L  | EPA 533 | 127%      | 1  | 50-200             | 06/03/25 17:15 |
| Surrogate: 13C6-PFDA             | 20.0    | ng/L  | EPA 533 | 55%       | 1  | 50-200             | 06/03/25 17:15 |
| Surrogate: 13C7-PFUnA            | 22.8    | ng/L  | EPA 533 | 63%       | 1  | 50-200             | 06/03/25 17:15 |
| Surrogate: 13C2-PFDoA            | 27.1    | ng/L  | EPA 533 | 75%       | 1  | 50-200             | 06/03/25 17:15 |

Report Generated On: 06/13/2025 10:33 am 5E05891  
STL\_Results Revision #4.0 Effective: 05/12/2025





# SUBURBAN TESTING LABS

Sample Number: 5E05891-02  
Collector: AJD-STL

Site: FRB  
Collect Date: 05/22/2025 10:59 am

Sample ID:  
Sample Type: Grab

| Department / Test / Parameter | Result | Units | Method | MRL | MDL | DF | Prep Date | By | Analysis Date | By |
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|

## Semivolatiles

### PFAS, 533

|              |        |      |         |      |  |   |          |     |                |     |
|--------------|--------|------|---------|------|--|---|----------|-----|----------------|-----|
| 11CI-PF3OUdS | < 1.65 | ng/L | EPA 533 | 1.65 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| 9CI-PF3ONS   | < 1.63 | ng/L | EPA 533 | 1.63 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| ADONA        | < 1.65 | ng/L | EPA 533 | 1.65 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| NFDHA        | < 1.75 | ng/L | EPA 533 | 1.75 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFBA         | < 4.37 | ng/L | EPA 533 | 4.37 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFBS         | < 1.56 | ng/L | EPA 533 | 1.56 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| 8:2FTS       | < 1.68 | ng/L | EPA 533 | 1.68 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFDA         | < 1.75 | ng/L | EPA 533 | 1.75 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFDoA        | < 1.75 | ng/L | EPA 533 | 1.75 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFEESA       | < 1.75 | ng/L | EPA 533 | 1.75 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFHpS        | < 1.67 | ng/L | EPA 533 | 1.67 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFHpA        | < 1.75 | ng/L | EPA 533 | 1.75 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| 4:2FTS       | < 1.64 | ng/L | EPA 533 | 1.64 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFHxS        | < 1.59 | ng/L | EPA 533 | 1.59 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFHxA        | < 1.75 | ng/L | EPA 533 | 1.75 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFMPA        | < 1.75 | ng/L | EPA 533 | 1.75 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFMBA        | < 1.75 | ng/L | EPA 533 | 1.75 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFNA         | < 1.75 | ng/L | EPA 533 | 1.75 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| 6:2FTS       | < 3.33 | ng/L | EPA 533 | 3.33 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFOS         | < 1.63 | ng/L | EPA 533 | 1.63 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFOA         | < 1.75 | ng/L | EPA 533 | 1.75 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFPeA        | < 1.75 | ng/L | EPA 533 | 1.75 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFPeS        | < 1.64 | ng/L | EPA 533 | 1.64 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |
| PFUnA        | < 1.75 | ng/L | EPA 533 | 1.75 |  | 1 | 06/06/25 | TMK | 06/09/25 22:01 | MWS |

| Surrogate Recoveries   | Results | Units | Method  | %Recovery | DF | Limits (%Recovery) | Analysis Date  |
|------------------------|---------|-------|---------|-----------|----|--------------------|----------------|
| Surrogate: 13C4-PFBA   | 34.1    | ng/L  | EPA 533 | 98%       | 1  | 50-200             | 06/09/25 22:01 |
| Surrogate: 13C5-PFPeA  | 35.3    | ng/L  | EPA 533 | 101%      | 1  | 50-200             | 06/09/25 22:01 |
| Surrogate: 13C3-PFBS   | 37.9    | ng/L  | EPA 533 | 108%      | 1  | 50-200             | 06/09/25 22:01 |
| Surrogate: 13C2-4:2FTS | 146     | ng/L  | EPA 533 | 104%      | 1  | 50-200             | 06/09/25 22:01 |
| Surrogate: 13C5-PFHxA  | 30.8    | ng/L  | EPA 533 | 88%       | 1  | 50-200             | 06/09/25 22:01 |
| Surrogate: 13C4-PFHpA  | 33.8    | ng/L  | EPA 533 | 97%       | 1  | 50-200             | 06/09/25 22:01 |
| Surrogate: 13C3-PFHxS  | 35.5    | ng/L  | EPA 533 | 102%      | 1  | 50-200             | 06/09/25 22:01 |
| Surrogate: 13C2-6:2FTS | 146     | ng/L  | EPA 533 | 104%      | 1  | 50-200             | 06/09/25 22:01 |
| Surrogate: 13C8-PFOA   | 33.1    | ng/L  | EPA 533 | 95%       | 1  | 50-200             | 06/09/25 22:01 |
| Surrogate: 13C9-PFNA   | 35.0    | ng/L  | EPA 533 | 100%      | 1  | 50-200             | 06/09/25 22:01 |
| Surrogate: 13C8-PFOS   | 35.8    | ng/L  | EPA 533 | 102%      | 1  | 50-200             | 06/09/25 22:01 |
| Surrogate: 13C2-8:2FTS | 120     | ng/L  | EPA 533 | 86%       | 1  | 50-200             | 06/09/25 22:01 |
| Surrogate: 13C6-PFDA   | 29.4    | ng/L  | EPA 533 | 84%       | 1  | 50-200             | 06/09/25 22:01 |
| Surrogate: 13C7-PFUnA  | 30.5    | ng/L  | EPA 533 | 87%       | 1  | 50-200             | 06/09/25 22:01 |
| Surrogate: 13C2-PFDoA  | 30.9    | ng/L  | EPA 533 | 88%       | 1  | 50-200             | 06/09/25 22:01 |

Report Generated On: 06/13/2025 10:33 am  
STL\_Results Revision #4.0

5E05891  
Effective: 05/12/2025





**Sample Receipt Conditions:**

All samples met the sample receipt requirements for the relevant analyses.

**Laboratory Accreditations:****Suburban Testing Labs - Reading**

| <u>Regulatory Authority</u> | <u>Program</u> | <u>Certification ID</u> | <u>Expires</u> |
|-----------------------------|----------------|-------------------------|----------------|
| US EPA                      | Federal        | PA00072                 | N/A            |
| New Jersey DEP              | NELAP          | PA081                   | 06/30/2025     |
| Pennsylvania DEP            | NELAP          | 06-00208                | 09/30/2025     |
| Texas CEQ                   | NELAP          | T10474585               | 03/31/2026     |
| Delaware ODW                | State          | N/A                     | 09/30/2025     |
| Maryland DE                 | State          | 347                     | 12/31/2025     |

All analyses were performed at Suburban Testing Labs - Reading unless otherwise noted.

The test *pH, Lab* is performed in the Laboratory as soon as possible. These results are not appropriate for compliance with NPDES, SDWA, or other regulatory programs that require analysis within 15 minutes of sample collection and should be considered for informational purposes only.

\**pH, Final* for ASTM leachate is performed by method SM 4500-H-B.

All results meet the requirements of STL's NELAP Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or comments, you should evaluate useability relative to your needs.

If collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.

All results reported on an As Received (Wet Weight) basis unless otherwise noted.

This laboratory report may not be reproduced, except in full, without the written approval of STL.

Results are considered Preliminary unless report is signed by authorized representative of STL.

**Reviewed and Released By:**

Abigail Cunningham  
Associate Project Manager

Report Generated On: 06/13/2025 10:33 am

STL\_Results Revision #4.0

5E05891

Effective: 05/12/2025





**SUBURBAN**  
TESTING LABS

## Chain of Custody Record

1037F MacArthur Road, Reading, PA 19605  
718 Bellaire Avenue, State College PA 16801  
Phone: 610-375-8378 - Fax: 610-375-4090 - suburbantestinglabs.com

TAT (Circle One): Standard - 24hr - 48hr - 72hr - Other \_\_\_\_\_  
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply.)

ORDER ID: 5E05891



|                                                                                                               |                                               |                                                                        |
|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------|
| <b>Client Name / Address:</b><br>Harford County Public Schools<br>102 South Hickory Ave.<br>Bel Air, MD 21014 | <b>Phone:</b> 410-688-5956<br><br><b>Fax:</b> | <b>Project Name / Address:</b><br>Harford Technical High School - PFAS |
| <b>Client Project Manager:</b> Laura Paligo                                                                   | <b>Payment / P.O. Info:</b>                   | <b>Regulatory ID (SDWA/Permit #):</b>                                  |

Project Description:

Order Comments: Added via by APB 05/21/2025 08:56

| Sample Number                        | Sample Description - Site ID                     | Sampling Location | Collect Date/Time | Sampler's Initials        | Matrix        | Sample Type                  | Composite Start Date / Time |
|--------------------------------------|--------------------------------------------------|-------------------|-------------------|---------------------------|---------------|------------------------------|-----------------------------|
| 5E05891-01                           | Boiler room hand sink- con( TP01//EP01 / ? / ? ) |                   |                   |                           | SDWA          | Grab                         |                             |
| <b>Container Type / Preservation</b> |                                                  |                   |                   | <b>Preservation Check</b> |               | <b>Analysis - Method</b>     |                             |
| 250mL PP & Ammonium Acetate          |                                                  |                   |                   | X                         |               | A                            |                             |
| 250mL PP & Ammonium Acetate          |                                                  |                   |                   | X                         |               | B                            |                             |
| 250mL PP & Ammonium Acetate          |                                                  |                   |                   | X                         |               | C                            |                             |
|                                      |                                                  |                   |                   | X = pH 6-8; free          |               |                              |                             |
|                                      |                                                  |                   |                   | CL = ND (DPD)             |               |                              |                             |
|                                      |                                                  |                   |                   | JJA 5/22/25               |               |                              |                             |
|                                      |                                                  |                   |                   |                           |               | Semivolatiles                |                             |
|                                      |                                                  |                   |                   |                           |               | PFAS, 533 - EPA 533          |                             |
| 5E05891-02                           | FRB                                              |                   |                   |                           | Potable Water | Grab                         |                             |
| <b>Container Type / Preservation</b> |                                                  |                   |                   | <b>Preservation Check</b> |               | <b>Analysis - Method</b>     |                             |
| 250mL PP & Ammonium Acetate          |                                                  |                   |                   | X                         |               | A                            |                             |
| 250mL PP & Blank Water               |                                                  |                   |                   |                           |               | B                            |                             |
|                                      |                                                  |                   |                   | mark to none              |               | JJA 5/22/25                  |                             |
|                                      |                                                  |                   |                   |                           |               | Semivolatiles                |                             |
|                                      |                                                  |                   |                   |                           |               | PFAS, 533 FRB Hold - EPA 533 |                             |

X JJA 5/22/25 collection

WKO TAT = 15

Cool Sample(s) to 6 C

|                                                    |       |               |                                                                                |                                                                                                                               |                         |                                  |
|----------------------------------------------------|-------|---------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------|
| Relinquished By:                                   | Count | Date:         | Temp (°C):                                                                     | Sample Conditions                                                                                                             | Sample Type Key         | Bottle Type Key                  |
| Received By:                                       |       | Date:         | Temp (°C):                                                                     | Number of Containers/Cooler received matches number on COC? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N  | G = Grab                | P = Plastic                      |
| Relinquished By:                                   |       | Date:         | Temp (°C):                                                                     | Sample labels and COC free of discrepancies? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                 | C = Composite           | PP = Sterile Polypropylene       |
| Received in Lab By:                                |       | Date:         | Temp (°C):                                                                     | All Containers Intact? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                                       | 8HC = 8 Hr. Composite   | PS = Sterile Polystyrene         |
| <input type="checkbox"/> State College Laboratory* | 5     | Date: 5/22/25 | Temp (°C): 18°C                                                                | VOC vials for VOA analysis free of headspace, if applicable? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 24HC = 24 Hr. Composite | HDPE = High Density Polyethylene |
|                                                    |       | Time: 1544    | Acceptable: ? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |                                                                                                                               | D = Distribution        | O = Other                        |
|                                                    |       |               |                                                                                |                                                                                                                               | E = Entry Point         |                                  |
|                                                    |       |               |                                                                                |                                                                                                                               | R = Raw                 |                                  |
|                                                    |       |               |                                                                                |                                                                                                                               | C = Check               |                                  |
|                                                    |       |               |                                                                                |                                                                                                                               | S = Special             |                                  |
|                                                    |       |               |                                                                                |                                                                                                                               | M = Maximum             |                                  |

Signing this form indicates your agreement with STL's Standard Terms and Conditions ([www.suburbantestinglabs.com/resources/standard-terms-and-conditions.html](http://www.suburbantestinglabs.com/resources/standard-terms-and-conditions.html)) unless otherwise specified in writing.  
\*All samples received and processed at Reading Laboratory unless box is checked

Shaded areas are for STL use only



## Results Report

Order ID: 5E06048

Harford County Public Schools  
102 South Hickory Ave.  
Bel Air, MD 21014

Project: Norrisville Elementary School - PFAS

Attn: Laura Paligo

Regulatory ID: MD1120027

Sample Number: 5E06048-01  
Collector: AJD-STL  
Sample Regulatory ID: MD1120027

Site: Kitchen hand sink- compliance  
Collect Date: 05/23/2025 11:40 am  
SDWA Reporting IDs: ( / / )

Sample ID:  
Sample Type: Grab

| Department / Test / Parameter | Result | Units | Method | MRL | MDL | DF | Prep Date | By | Analysis Date | By |
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|

### Semivolatiles

#### PFAS, 533

|              |        |      |         |      |  |   |          |     |                |     |
|--------------|--------|------|---------|------|--|---|----------|-----|----------------|-----|
| 11Cl-PF3OUdS | < 1.71 | ng/L | EPA 533 | 1.71 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| 9Cl-PF3ONS   | < 1.69 | ng/L | EPA 533 | 1.69 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| ADONA        | < 1.71 | ng/L | EPA 533 | 1.71 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| HFPO-DA      | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| NFDHA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFBA         | 22.3   | ng/L | EPA 533 | 4.51 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFBS         | < 1.61 | ng/L | EPA 533 | 1.61 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| 8:2FTS       | < 1.73 | ng/L | EPA 533 | 1.73 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFDA         | 5.08   | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFDoA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFEESA       | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFHpS        | < 1.72 | ng/L | EPA 533 | 1.72 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFHpA        | 14.0   | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| 4:2FTS       | < 1.70 | ng/L | EPA 533 | 1.70 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFHxS        | < 1.64 | ng/L | EPA 533 | 1.64 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFHxA        | 75.4   | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFMPA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFMBA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFNA         | 2.34   | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| 6:2FTS       | < 3.44 | ng/L | EPA 533 | 3.44 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFOS         | < 1.68 | ng/L | EPA 533 | 1.68 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFOA         | 58.7   | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFPeA        | 105    | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFPeS        | < 1.70 | ng/L | EPA 533 | 1.70 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |
| PFUnA        | < 1.81 | ng/L | EPA 533 | 1.81 |  | 1 | 05/30/25 | MPL | 06/06/25 22:02 | MWS |

| Surrogate Recoveries    | Results | Units | Method  | %Recovery | DF | Limits (%Recovery) | Analysis Date  |
|-------------------------|---------|-------|---------|-----------|----|--------------------|----------------|
| Surrogate: 13C4-PFBA    | 35.8    | ng/L  | EPA 533 | 99%       | 1  | 50-200             | 06/06/25 22:02 |
| Surrogate: 13C5-PFPeA   | 36.0    | ng/L  | EPA 533 | 100%      | 1  | 50-200             | 06/06/25 22:02 |
| Surrogate: 13C3-PFBS    | 39.9    | ng/L  | EPA 533 | 111%      | 1  | 50-200             | 06/06/25 22:02 |
| Surrogate: 13C2-4:2FTS  | 176     | ng/L  | EPA 533 | 122%      | 1  | 50-200             | 06/06/25 22:02 |
| Surrogate: 13C5-PFHxA   | 33.4    | ng/L  | EPA 533 | 93%       | 1  | 50-200             | 06/06/25 22:02 |
| Surrogate: 13C3-HFPO-DA | 35.1    | ng/L  | EPA 533 | 97%       | 1  | 50-200             | 06/06/25 22:02 |
| Surrogate: 13C4-PFHpA   | 35.8    | ng/L  | EPA 533 | 99%       | 1  | 50-200             | 06/06/25 22:02 |
| Surrogate: 13C3-PFHxS   | 38.5    | ng/L  | EPA 533 | 107%      | 1  | 50-200             | 06/06/25 22:02 |
| Surrogate: 13C2-6:2FTS  | 181     | ng/L  | EPA 533 | 126%      | 1  | 50-200             | 06/06/25 22:02 |

Report Generated On: 06/13/2025 10:59 am

5E06048

STL\_Results Revision #4.0

Effective: 05/12/2025





|                                 |                                     |                   |
|---------------------------------|-------------------------------------|-------------------|
| Sample Number: 5E06048-01       | Site: Kitchen hand sink- compliance | Sample ID:        |
| Collector: AJD-STL              | Collect Date: 05/23/2025 11:40 am   | Sample Type: Grab |
| Sample Regulatory ID: MD1120027 | SDWA Reporting IDs: ( / / )         |                   |

| Department / Test / Parameter | Result | Units | Method | MRL | MDL | DF | Prep Date | By | Analysis Date | By |
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|

## Semivolatiles (Continued)

PFAS, 533 (Continued)

| Surrogate Recoveries (Continued) | Results | Units | Method  | %Recovery | DF | Limits (%Recovery) | Analysis Date  |
|----------------------------------|---------|-------|---------|-----------|----|--------------------|----------------|
| Surrogate: 13C8-PFOA             | 27.9    | ng/L  | EPA 533 | 77%       | 1  | 50-200             | 06/06/25 22:02 |
| Surrogate: 13C9-PFNA             | 23.6    | ng/L  | EPA 533 | 65%       | 1  | 50-200             | 06/06/25 22:02 |
| Surrogate: 13C8-PFOS             | 37.1    | ng/L  | EPA 533 | 103%      | 1  | 50-200             | 06/06/25 22:02 |
| Surrogate: 13C2-8:2FTS           | 151     | ng/L  | EPA 533 | 104%      | 1  | 50-200             | 06/06/25 22:02 |
| Surrogate: 13C6-PFDA             | 21.3    | ng/L  | EPA 533 | 59%       | 1  | 50-200             | 06/06/25 22:02 |
| Surrogate: 13C7-PFUnA            | 25.1    | ng/L  | EPA 533 | 70%       | 1  | 50-200             | 06/06/25 22:02 |
| Surrogate: 13C2-PFDoA            | 30.0    | ng/L  | EPA 533 | 83%       | 1  | 50-200             | 06/06/25 22:02 |

Report Generated On: 06/13/2025 10:59 am 5E06048  
STL\_Results Revision #4.0 Effective: 05/12/2025





# SUBURBAN TESTING LABS

Sample Number: 5E06048-02  
Collector: AJD-STL

Site: FRB  
Collect Date: 05/23/2025 11:40 am

Sample ID:  
Sample Type: Grab

| Department / Test / Parameter | Result | Units | Method | MRL | MDL | DF | Prep Date | By | Analysis Date | By |
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|

## Semivolatiles

### PFAS, 533

|              |        |      |         |      |  |   |          |     |                |     |
|--------------|--------|------|---------|------|--|---|----------|-----|----------------|-----|
| 11CI-PF3OUdS | < 1.70 | ng/L | EPA 533 | 1.70 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| 9CI-PF3ONS   | < 1.68 | ng/L | EPA 533 | 1.68 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| ADONA        | < 1.70 | ng/L | EPA 533 | 1.70 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| HFPO-DA      | < 1.80 | ng/L | EPA 533 | 1.80 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| NFDHA        | < 1.80 | ng/L | EPA 533 | 1.80 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFBA         | < 4.50 | ng/L | EPA 533 | 4.50 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFBS         | < 1.60 | ng/L | EPA 533 | 1.60 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| 8:2FTS       | < 1.73 | ng/L | EPA 533 | 1.73 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFDA         | < 1.80 | ng/L | EPA 533 | 1.80 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFDoA        | < 1.80 | ng/L | EPA 533 | 1.80 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFEESA       | < 1.80 | ng/L | EPA 533 | 1.80 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFHpS        | < 1.72 | ng/L | EPA 533 | 1.72 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFHpA        | < 1.80 | ng/L | EPA 533 | 1.80 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| 4:2FTS       | < 1.69 | ng/L | EPA 533 | 1.69 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFHxS        | < 1.64 | ng/L | EPA 533 | 1.64 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFHxA        | < 1.80 | ng/L | EPA 533 | 1.80 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFMPA        | < 1.80 | ng/L | EPA 533 | 1.80 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFMBA        | < 1.80 | ng/L | EPA 533 | 1.80 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFNA         | < 1.80 | ng/L | EPA 533 | 1.80 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFOS         | < 1.67 | ng/L | EPA 533 | 1.67 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFOA         | < 1.80 | ng/L | EPA 533 | 1.80 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFPeA        | < 1.80 | ng/L | EPA 533 | 1.80 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFPeS        | < 1.69 | ng/L | EPA 533 | 1.69 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |
| PFUnA        | < 1.80 | ng/L | EPA 533 | 1.80 |  | 1 | 06/10/25 | TMK | 06/11/25 20:03 | MWS |

| Surrogate Recoveries    | Results | Units | Method  | %Recovery | DF | Limits (%Recovery) | Analysis Date  |
|-------------------------|---------|-------|---------|-----------|----|--------------------|----------------|
| Surrogate: 13C4-PFBA    | 32.9    | ng/L  | EPA 533 | 91%       | 1  | 50-200             | 06/11/25 20:03 |
| Surrogate: 13C5-PFPeA   | 32.3    | ng/L  | EPA 533 | 90%       | 1  | 50-200             | 06/11/25 20:03 |
| Surrogate: 13C3-PFBS    | 35.1    | ng/L  | EPA 533 | 98%       | 1  | 50-200             | 06/11/25 20:03 |
| Surrogate: 13C2-4:2FTS  | 143     | ng/L  | EPA 533 | 99%       | 1  | 50-200             | 06/11/25 20:03 |
| Surrogate: 13C5-PFHxA   | 31.9    | ng/L  | EPA 533 | 89%       | 1  | 50-200             | 06/11/25 20:03 |
| Surrogate: 13C3-HFPO-DA | 30.2    | ng/L  | EPA 533 | 84%       | 1  | 50-200             | 06/11/25 20:03 |
| Surrogate: 13C4-PFHpA   | 32.0    | ng/L  | EPA 533 | 89%       | 1  | 50-200             | 06/11/25 20:03 |
| Surrogate: 13C3-PFHxS   | 33.8    | ng/L  | EPA 533 | 94%       | 1  | 50-200             | 06/11/25 20:03 |
| Surrogate: 13C2-6:2FTS  | 174     | ng/L  | EPA 533 | 121%      | 1  | 50-200             | 06/11/25 20:03 |
| Surrogate: 13C8-PFOA    | 32.5    | ng/L  | EPA 533 | 90%       | 1  | 50-200             | 06/11/25 20:03 |
| Surrogate: 13C9-PFNA    | 31.9    | ng/L  | EPA 533 | 89%       | 1  | 50-200             | 06/11/25 20:03 |
| Surrogate: 13C8-PFOS    | 36.8    | ng/L  | EPA 533 | 102%      | 1  | 50-200             | 06/11/25 20:03 |
| Surrogate: 13C2-8:2FTS  | 154     | ng/L  | EPA 533 | 107%      | 1  | 50-200             | 06/11/25 20:03 |
| Surrogate: 13C6-PFDA    | 31.4    | ng/L  | EPA 533 | 87%       | 1  | 50-200             | 06/11/25 20:03 |
| Surrogate: 13C7-PFUnA   | 32.5    | ng/L  | EPA 533 | 90%       | 1  | 50-200             | 06/11/25 20:03 |
| Surrogate: 13C2-PFDoA   | 33.2    | ng/L  | EPA 533 | 92%       | 1  | 50-200             | 06/11/25 20:03 |

Report Generated On: 06/13/2025 10:59 am  
STL\_Results Revision #4.0

5E06048  
Effective: 05/12/2025



**Sample Receipt Conditions:**

All samples met the sample receipt requirements for the relevant analyses.

**Laboratory Accreditations:****Suburban Testing Labs - Reading**

| <u>Regulatory Authority</u> | <u>Program</u> | <u>Certification ID</u> | <u>Expires</u> |
|-----------------------------|----------------|-------------------------|----------------|
| US EPA                      | Federal        | PA00072                 | N/A            |
| New Jersey DEP              | NELAP          | PA081                   | 06/30/2025     |
| Pennsylvania DEP            | NELAP          | 06-00208                | 09/30/2025     |
| Texas CEQ                   | NELAP          | T10474585               | 03/31/2026     |
| Delaware ODW                | State          | N/A                     | 09/30/2025     |
| Maryland DE                 | State          | 347                     | 12/31/2025     |

All analyses were performed at Suburban Testing Labs - Reading unless otherwise noted.

The test *pH, Lab* is performed in the Laboratory as soon as possible. These results are not appropriate for compliance with NPDES, SDWA, or other regulatory programs that require analysis within 15 minutes of sample collection and should be considered for informational purposes only.

\**pH, Final* for ASTM leachate is performed by method SM 4500-H-B.

All results meet the requirements of STL's NELAP Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or comments, you should evaluate useability relative to your needs.

If collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.

All results reported on an As Received (Wet Weight) basis unless otherwise noted.

This laboratory report may not be reproduced, except in full, without the written approval of STL.

Results are considered Preliminary unless report is signed by authorized representative of STL.

**Reviewed and Released By:**

Abigail Cunningham  
Associate Project Manager

Report Generated On: 06/13/2025 10:59 am

STL\_Results Revision #4.0

5E06048

Effective: 05/12/2025





# SUBURBAN

## Chain of Custody Record

1037F MacArthur Road, Reading, PA 19605  
718 Bellaire Avenue, State College PA 16801  
Phone: 610-375-8378 - Fax: 610-375-4090 - suburbantestinglabs.com

TAT (Circle One): Standard - 24hr - 48hr - 72hr - Other \_\_\_\_\_  
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply.)

ORDER ID: 5E06048



|                                                                                                                                                                  |                                               |                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Client Name / Address:</b><br>Harford County Public Schools<br>102 South Hickory Ave.<br>Bel Air, MD 21014<br><br><b>Client Project Manager:</b> Laura Paligo | <b>Phone:</b> 410-688-5956<br><br><b>Fax:</b> | <b>Project Name / Address:</b><br>Norrisville Elementary School - PFAS<br><br><b>Regulatory ID (SDWA/Permit #):</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------|

**Project Description:**  
**Order Comments:** Added via by APB 05/21/2025 12:23

| Sample Number                        | Sample Description - Site ID             | Sampling Location | Collect Date/Time | Sampler's Initials        | Matrix        | Sample Type                                                                                               | Composite Start Date / Time |
|--------------------------------------|------------------------------------------|-------------------|-------------------|---------------------------|---------------|-----------------------------------------------------------------------------------------------------------|-----------------------------|
| 5E06048-01                           | Kitchen hand sink- complia ( ? / ? / ? ) |                   |                   |                           | SDWA          | Grab                                                                                                      |                             |
| <b>Container Type / Preservation</b> |                                          |                   |                   | <b>Preservation Check</b> |               | <b>Analysis - Method</b>                                                                                  |                             |
| 250mL PP & Ammonium Acetate          |                                          |                   |                   | X A                       |               | <b>Semivolatiles</b><br>PFAS, 533 - EPA 533<br><br><i>X = PHG-8, Free CL10 (OPD)</i><br><i>NA 5.23.25</i> |                             |
| 250mL PP & Ammonium Acetate          |                                          |                   |                   | X B                       |               |                                                                                                           |                             |
| 250mL PP & Ammonium Acetate          |                                          |                   |                   | X C                       |               |                                                                                                           |                             |
| 5E06048-02                           | FRB                                      |                   |                   |                           | Potable Water | Grab                                                                                                      |                             |
| <b>Container Type / Preservation</b> |                                          |                   |                   | <b>Preservation Check</b> |               | <b>Analysis - Method</b>                                                                                  |                             |
| 250mL PP & Ammonium Acetate          |                                          |                   |                   | X                         |               | <b>Semivolatiles</b><br>PFAS, 533 FRB Hold - EPA 533                                                      |                             |
| 250mL PP & Blank Water               |                                          |                   |                   | B                         |               |                                                                                                           |                             |

WKO TAT = 15

Cool Sample(s) to 6 C

|                                                   |       |               |               |                                                                         |                                                                                           |                                                                                                         |
|---------------------------------------------------|-------|---------------|---------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Relinquished By:                                  | Count | Date:         | Temp (°C):    | Sample Conditions                                                       | Sample Type Key                                                                           | Bottle Type Key                                                                                         |
| Received By:                                      |       | Date:         | Temp (°C):    | Number of Containers/Cooler received matches number on COC <i>Y/N</i>   | G = Grab<br>C = Composite<br>8HC = 8 Hr. Composite<br>24HC = 24 Hr. Composite             | P = Plastic<br>G = Glass<br>GA = Glass Amber<br>VOA = 40mL G or GA                                      |
| Relinquished By:                                  |       | Date:         | Temp (°C):    | Sample labels and COC free of discrepancies? <i>Y/N</i>                 | D = Distribution<br>E = Entry Point<br>R = Raw<br>C = Check<br>S = Special<br>M = Maximum | PP = Sterile Polypropylene<br>PS = Sterile Polystyrene<br>HDPE = High Density Polyethylene<br>O = Other |
| Received in Lab By:                               |       | Date:         | Temp (°C):    | All Containers Intact? <i>Y/N</i>                                       |                                                                                           | <b>Preservative Key</b>                                                                                 |
| <input type="checkbox"/> State College Laboratory |       | Date: 5.23.25 | Temp (°C): 36 | VOC vials for VOA analysis free of headspace, if applicable? <i>Y/N</i> |                                                                                           | A = Ascorbic Acid<br>C = HCl<br>H = HNO3<br>N = Sodium Thiosulfate                                      |
|                                                   |       | Date: 5.23.25 | Temp (°C): 36 |                                                                         |                                                                                           | OH = NaOH<br>S = H2SO4<br>O = Other<br>NA = None Required                                               |

Signing this form indicates your agreement with STL's Standard Terms and Conditions (www.suburbantestinglabs.com/resources/standard-terms-and-conditions.html) unless otherwise specified in writing.

Shaded areas are for STL use only



## Results Report

Order ID: 5E05892

Harford County Public Schools  
102 South Hickory Ave.  
Bel Air, MD 21014

Project: Prospect Mill Elementary School - PFAS

Attn: Laura Paligo

Regulatory ID: MD1120032

Sample Number: 5E05892-01

Site: Kitchen hand sink by back door- complia

Sample ID:

Collector: AJD-STL

Collect Date: 05/22/2025 11:37 am

Sample Type: Grab

Sample Regulatory ID: MD1120032

SDWA Reporting IDs: ( TP01//EP01 / / )

| Department / Test / Parameter | Result | Units | Method | MRL | MDL | DF | Prep Date | By | Analysis Date | By |
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|

### Semivolatiles

#### PFAS, 533

|              |        |      |         |      |  |   |          |     |                |     |
|--------------|--------|------|---------|------|--|---|----------|-----|----------------|-----|
| 11CI-PF3OUdS | < 1.74 | ng/L | EPA 533 | 1.74 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| 9CI-PF3ONS   | < 1.73 | ng/L | EPA 533 | 1.73 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| ADONA        | < 1.74 | ng/L | EPA 533 | 1.74 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| HFPO-DA      | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| NFDHA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFBA         | 5.23   | ng/L | EPA 533 | 4.61 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFBS         | 29.7   | ng/L | EPA 533 | 1.64 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| 8:2FTS       | < 1.77 | ng/L | EPA 533 | 1.77 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFDA         | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFDoA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFEESA       | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFHpS        | < 1.76 | ng/L | EPA 533 | 1.76 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFHpA        | 4.05   | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| 4:2FTS       | < 1.73 | ng/L | EPA 533 | 1.73 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFHxS        | 3.48   | ng/L | EPA 533 | 1.68 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFHxA        | 10.6   | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFMPA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFMBA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFNA         | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| 6:2FTS       | < 3.51 | ng/L | EPA 533 | 3.51 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFOS         | 6.45   | ng/L | EPA 533 | 1.72 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFOA         | 10.2   | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFPeA        | 10.3   | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFPeS        | < 1.73 | ng/L | EPA 533 | 1.73 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |
| PFUnA        | < 1.85 | ng/L | EPA 533 | 1.85 |  | 1 | 05/30/25 | MEL | 06/03/25 17:34 | MWS |

| Surrogate Recoveries    | Results | Units | Method  | %Recovery | DF | Limits (%Recovery) | Analysis Date  |
|-------------------------|---------|-------|---------|-----------|----|--------------------|----------------|
| Surrogate: 13C4-PFBA    | 41.1    | ng/L  | EPA 533 | 111%      | 1  | 50-200             | 06/03/25 17:34 |
| Surrogate: 13C5-PFPeA   | 49.6    | ng/L  | EPA 533 | 134%      | 1  | 50-200             | 06/03/25 17:34 |
| Surrogate: 13C3-PFBS    | 44.1    | ng/L  | EPA 533 | 120%      | 1  | 50-200             | 06/03/25 17:34 |
| Surrogate: 13C2-4:2FTS  | 228     | ng/L  | EPA 533 | 155%      | 1  | 50-200             | 06/03/25 17:34 |
| Surrogate: 13C5-PFHxA   | 38.4    | ng/L  | EPA 533 | 104%      | 1  | 50-200             | 06/03/25 17:34 |
| Surrogate: 13C3-HFPO-DA | 38.6    | ng/L  | EPA 533 | 105%      | 1  | 50-200             | 06/03/25 17:34 |
| Surrogate: 13C4-PFHpA   | 41.2    | ng/L  | EPA 533 | 112%      | 1  | 50-200             | 06/03/25 17:34 |
| Surrogate: 13C3-PFHxS   | 46.6    | ng/L  | EPA 533 | 126%      | 1  | 50-200             | 06/03/25 17:34 |
| Surrogate: 13C2-6:2FTS  | 228     | ng/L  | EPA 533 | 154%      | 1  | 50-200             | 06/03/25 17:34 |

Report Generated On: 06/13/2025 10:55 am

5E05892

STL\_Results Revision #4.0

Effective: 05/12/2025







Sample Number: 5E05892-01  
Collector: AJD-STL  
Sample Regulatory ID: MD1120032

Site: Kitchen hand sink by back door- complia  
Collect Date: 05/22/2025 11:37 am  
SDWA Reporting IDs: ( TP01//EP01 / / )

Sample ID:  
Sample Type: Grab

| Department / Test / Parameter | Result | Units | Method | MRL | MDL | DF | Prep Date | By | Analysis Date | By |
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|

Semivolatiles (Continued)

PFAS, 533 (Continued)

| Surrogate Recoveries (Continued) | Results | Units | Method  | %Recovery | DF | Limits (%Recovery) | Analysis Date  |
|----------------------------------|---------|-------|---------|-----------|----|--------------------|----------------|
| Surrogate: 13C8-PFOA             | 36.4    | ng/L  | EPA 533 | 99%       | 1  | 50-200             | 06/03/25 17:34 |
| Surrogate: 13C9-PFNA             | 32.5    | ng/L  | EPA 533 | 88%       | 1  | 50-200             | 06/03/25 17:34 |
| Surrogate: 13C8-PFOS             | 44.8    | ng/L  | EPA 533 | 121%      | 1  | 50-200             | 06/03/25 17:34 |
| Surrogate: 13C2-8:2FTS           | 184     | ng/L  | EPA 533 | 124%      | 1  | 50-200             | 06/03/25 17:34 |
| Surrogate: 13C6-PFDA             | 32.7    | ng/L  | EPA 533 | 89%       | 1  | 50-200             | 06/03/25 17:34 |
| Surrogate: 13C7-PFUnA            | 34.5    | ng/L  | EPA 533 | 94%       | 1  | 50-200             | 06/03/25 17:34 |
| Surrogate: 13C2-PFDoA            | 35.1    | ng/L  | EPA 533 | 95%       | 1  | 50-200             | 06/03/25 17:34 |

Report Generated On: 06/13/2025 10:55 am  
STL\_Results Revision #4.0

5E05892  
Effective: 05/12/2025







# SUBURBAN TESTING LABS

|                           |                                   |                   |
|---------------------------|-----------------------------------|-------------------|
| Sample Number: 5E05892-02 | Site: FRB                         | Sample ID:        |
| Collector: AJD-STL        | Collect Date: 05/22/2025 11:37 am | Sample Type: Grab |

| Department / Test / Parameter | Result | Units | Method | MRL | MDL | DF | Prep Date | By | Analysis Date | By |
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|
|-------------------------------|--------|-------|--------|-----|-----|----|-----------|----|---------------|----|

## Semivolatiles

### PFAS, 533

|              |        |      |         |      |  |   |          |     |                |     |
|--------------|--------|------|---------|------|--|---|----------|-----|----------------|-----|
| 11CI-PF3OUdS | < 1.72 | ng/L | EPA 533 | 1.72 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| 9CI-PF3ONS   | < 1.71 | ng/L | EPA 533 | 1.71 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| ADONA        | < 1.72 | ng/L | EPA 533 | 1.72 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| NFDHA        | < 1.82 | ng/L | EPA 533 | 1.82 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFBA         | < 4.56 | ng/L | EPA 533 | 4.56 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFBS         | < 1.62 | ng/L | EPA 533 | 1.62 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| 8:2FTS       | < 1.75 | ng/L | EPA 533 | 1.75 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFDA         | < 1.82 | ng/L | EPA 533 | 1.82 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFDoA        | < 1.82 | ng/L | EPA 533 | 1.82 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFEESA       | < 1.82 | ng/L | EPA 533 | 1.82 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFHpS        | < 1.74 | ng/L | EPA 533 | 1.74 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFHpA        | < 1.82 | ng/L | EPA 533 | 1.82 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| 4:2FTS       | < 1.72 | ng/L | EPA 533 | 1.72 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFHxS        | < 1.66 | ng/L | EPA 533 | 1.66 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFHxA        | < 1.82 | ng/L | EPA 533 | 1.82 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFMPA        | < 1.82 | ng/L | EPA 533 | 1.82 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFMBA        | < 1.82 | ng/L | EPA 533 | 1.82 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFNA         | < 1.82 | ng/L | EPA 533 | 1.82 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| 6:2FTS       | < 3.48 | ng/L | EPA 533 | 3.48 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFOS         | < 1.70 | ng/L | EPA 533 | 1.70 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFOA         | < 1.82 | ng/L | EPA 533 | 1.82 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFPeA        | < 1.82 | ng/L | EPA 533 | 1.82 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFPeS        | < 1.72 | ng/L | EPA 533 | 1.72 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |
| PFUnA        | < 1.82 | ng/L | EPA 533 | 1.82 |  | 1 | 06/06/25 | TMK | 06/09/25 22:20 | MWS |

| Surrogate Recoveries   | Results | Units | Method  | %Recovery | DF | Limits (%Recovery) | Analysis Date  |
|------------------------|---------|-------|---------|-----------|----|--------------------|----------------|
| Surrogate: 13C4-PFBA   | 38.0    | ng/L  | EPA 533 | 104%      | 1  | 50-200             | 06/09/25 22:20 |
| Surrogate: 13C5-PFPeA  | 39.0    | ng/L  | EPA 533 | 107%      | 1  | 50-200             | 06/09/25 22:20 |
| Surrogate: 13C3-PFBS   | 40.7    | ng/L  | EPA 533 | 111%      | 1  | 50-200             | 06/09/25 22:20 |
| Surrogate: 13C2-4:2FTS | 156     | ng/L  | EPA 533 | 107%      | 1  | 50-200             | 06/09/25 22:20 |
| Surrogate: 13C5-PFHxA  | 36.7    | ng/L  | EPA 533 | 100%      | 1  | 50-200             | 06/09/25 22:20 |
| Surrogate: 13C4-PFHpA  | 39.1    | ng/L  | EPA 533 | 107%      | 1  | 50-200             | 06/09/25 22:20 |
| Surrogate: 13C3-PFHxS  | 37.9    | ng/L  | EPA 533 | 104%      | 1  | 50-200             | 06/09/25 22:20 |
| Surrogate: 13C2-6:2FTS | 159     | ng/L  | EPA 533 | 109%      | 1  | 50-200             | 06/09/25 22:20 |
| Surrogate: 13C8-PFOA   | 39.0    | ng/L  | EPA 533 | 107%      | 1  | 50-200             | 06/09/25 22:20 |
| Surrogate: 13C9-PFNA   | 40.3    | ng/L  | EPA 533 | 110%      | 1  | 50-200             | 06/09/25 22:20 |
| Surrogate: 13C8-PFOS   | 38.6    | ng/L  | EPA 533 | 106%      | 1  | 50-200             | 06/09/25 22:20 |
| Surrogate: 13C2-8:2FTS | 128     | ng/L  | EPA 533 | 87%       | 1  | 50-200             | 06/09/25 22:20 |
| Surrogate: 13C6-PFDA   | 35.5    | ng/L  | EPA 533 | 97%       | 1  | 50-200             | 06/09/25 22:20 |
| Surrogate: 13C7-PFUnA  | 34.9    | ng/L  | EPA 533 | 96%       | 1  | 50-200             | 06/09/25 22:20 |
| Surrogate: 13C2-PFDoA  | 32.5    | ng/L  | EPA 533 | 89%       | 1  | 50-200             | 06/09/25 22:20 |

Report Generated On: 06/13/2025 10:55 am

STL\_Results Revision #4.0

5E05892

Effective: 05/12/2025



**Sample Receipt Conditions:**

All samples met the sample receipt requirements for the relevant analyses.

**Laboratory Accreditations:**
**Suburban Testing Labs - Reading**

| <u>Regulatory Authority</u> | <u>Program</u> | <u>Certification ID</u> | <u>Expires</u> |
|-----------------------------|----------------|-------------------------|----------------|
| US EPA                      | Federal        | PA00072                 | N/A            |
| New Jersey DEP              | NELAP          | PA081                   | 06/30/2025     |
| Pennsylvania DEP            | NELAP          | 06-00208                | 09/30/2025     |
| Texas CEQ                   | NELAP          | T10474585               | 03/31/2026     |
| Delaware ODW                | State          | N/A                     | 09/30/2025     |
| Maryland DE                 | State          | 347                     | 12/31/2025     |

All analyses were performed at Suburban Testing Labs - Reading unless otherwise noted.

The test *pH, Lab* is performed in the Laboratory as soon as possible. These results are not appropriate for compliance with NPDES, SDWA, or other regulatory programs that require analysis within 15 minutes of sample collection and should be considered for informational purposes only.

\**pH, Final* for ASTM leachate is performed by method SM 4500-H-B.

All results meet the requirements of STL's NELAP Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or comments, you should evaluate useability relative to your needs.

If collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.

All results reported on an As Received (Wet Weight) basis unless otherwise noted.

This laboratory report may not be reproduced, except in full, without the written approval of STL.

Results are considered Preliminary unless report is signed by authorized representative of STL.

**Reviewed and Released By:**

Abigail Cunningham  
 Associate Project Manager



Report Generated On: 06/13/2025 10:55 am 5E05892  
 STL\_Results Revision #4.0 Effective: 05/12/2025



**SUBURBAN**  
TESTING LABS

## Chain of Custody Record

1037F MacArthur Road, Reading, PA 19605  
718 Bellaire Avenue, State College PA 16801  
Phone: 610-375-8378 - Fax: 610-375-4090 - suburbantestinglabs.com

TAT (Circle One): Standard - 24hr - 48hr - 72hr - Other \_\_\_\_\_  
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply.)

ORDER ID: 5E05892



|                                                                                                                                                                  |                                               |                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Client Name / Address:</b><br>Harford County Public Schools<br>102 South Hickory Ave.<br>Bel Air, MD 21014<br><br><b>Client Project Manager:</b> Laura Paligo | <b>Phone:</b> 410-688-5956<br><br><b>Fax:</b> | <b>Project Name / Address:</b><br>Prospect Mill Elementary School - PFAS<br><br><b>Regulatory ID (SDWA/Permit #):</b> |
| <b>Payment / P.O. Info:</b>                                                                                                                                      |                                               |                                                                                                                       |

Project Description:

Order Comments: Added via by APB 05/21/2025 08:56

| Sample Number                        | Sample Description - Site ID                           | Sampling Location | Collect Date/Time | Sampler's Initials | Matrix                    | Sample Type | Composite Start Date / Time                          |
|--------------------------------------|--------------------------------------------------------|-------------------|-------------------|--------------------|---------------------------|-------------|------------------------------------------------------|
| 5E05892-01                           | Kitchen hand sink by back (TP01//EP01 Compliance /???) |                   |                   |                    | SDWA                      | Grab        |                                                      |
| <b>Container Type / Preservation</b> |                                                        |                   |                   |                    | <b>Preservation Check</b> |             | <b>Analysis - Method</b>                             |
| 250mL PP & Ammonium Acetate          |                                                        |                   |                   |                    | X                         | A           | <b>Semivolatiles</b><br>PFAS, 533 - EPA 533          |
| 250mL PP & Ammonium Acetate          |                                                        |                   |                   |                    | X                         | B           |                                                      |
| 250mL PP & Ammonium Acetate          |                                                        |                   |                   |                    | X                         | C           |                                                      |
|                                      |                                                        |                   |                   |                    | X= PH 6-8; free           |             |                                                      |
|                                      |                                                        |                   |                   |                    | CL ND (DPD)               |             |                                                      |
|                                      |                                                        |                   |                   |                    | JJA 5/22/25               |             |                                                      |
| 5E05892-02                           | FRB                                                    |                   |                   |                    | Potable Water             | Grab        |                                                      |
| <b>Container Type / Preservation</b> |                                                        |                   |                   |                    | <b>Preservation Check</b> |             | <b>Analysis - Method</b>                             |
| 250mL PP & Ammonium Acetate          |                                                        |                   |                   |                    | X                         | A           | <b>Semivolatiles</b><br>PFAS, 533 FRB Hold - EPA 533 |
| 250mL PP & Blank Water               |                                                        |                   |                   |                    | 0                         | B           |                                                      |
|                                      |                                                        |                   |                   |                    | mark as none              |             |                                                      |

0 = container received and disposed 5-22-25 TB

WKO TAT = 15

Cool Sample(s) to 6 C

|                                                    |       |                             |                                                                                                 |                                                                                                                               |                                                                               |                                                                                                         |
|----------------------------------------------------|-------|-----------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Relinquished By:                                   | Count | Date:                       | Temp (°C):                                                                                      | Sample Conditions                                                                                                             | Sample Type Key                                                               | Bottle Type Key                                                                                         |
| Received By:                                       |       | Date:                       | Temp (°C):                                                                                      | Number of Containers\ Cooler received matches number on COC? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | G = Grab<br>C = Composite<br>8HC = 8 Hr. Composite<br>24HC = 24 Hr. Composite | P = Plastic<br>G = Glass<br>GA = Glass Amber<br>VOA = 40mL G or GA                                      |
| Relinquished By:                                   |       | Date:                       | Temp (°C):                                                                                      | Sample labels and COC free of discrepancies? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                 | D = Distribution<br>E = Entry Point                                           | PP = Sterile Polypropylene<br>PS = Sterile Polystyrene<br>HDPE = High Density Polyethylene<br>O = Other |
| Received in Lab By:                                |       | Date:                       | Temp (°C):                                                                                      | All Containers Intact? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                                       | S = Special<br>M = Maximum                                                    | A = Ascorbic Acid<br>C = HCl<br>H = HNO3<br>N = Sodium Thiosulfate                                      |
| <input type="checkbox"/> State College Laboratory* | 5     | Date: 5/22/25<br>Time: 1556 | Temp (°C): 22.4<br>Acceptable: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | VOC vials for VOA analysis free of headspace, if applicable? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |                                                                               | OH = NaOH<br>S = H2SO4<br>O = Other<br>NA = None Required                                               |

Signing this form indicates your agreement with STL's Standard Terms and Conditions (www.suburbantestinglabs.com/resources/standard-terms-and-conditions.html) unless otherwise specified in writing.

Shaded areas are for STL use only

\*All samples received and processed at Reading Laboratory unless box is checked

Arrived in free flowing water but bagged PFAS 5.22.25



# SUBURBAN TESTING LABS

Attn: Laura Paligo

## Department / Test / Parameter

## Result

### Inorganics

|                               |       |        |           |      |   |          |                |     |
|-------------------------------|-------|--------|-----------|------|---|----------|----------------|-----|
| Alkalinity, Total (to pH 4.5) | 124   | mg/L   | SM 2320-B | 20.0 | 1 | 11/25/24 | 11/25/24 6:22  | JRS |
| Chloride                      | 45.9  | mg/L   | EPA 300.0 | 5.00 | 1 | 11/23/24 | 11/23/24 1:39  | ZJH |
| Nitrate as N                  | 2.21  | mg/L   | EPA 300.0 | 1.00 | 1 | 11/23/24 | 11/23/24 1:39  | ZJH |
| Sulfate                       | 9.46  | mg/L   | EPA 300.0 | 5.00 | 1 | 11/23/24 | 11/23/24 1:39  | ZJH |
| Total Organic Carbon (TOC)    | 0.53  | mg/L   | SM 5310-C | 0.50 | 1 | 12/06/24 | 12/06/24 20:33 | SBF |
| Total Suspended Solids (TSS)  | < 1.0 | R mg/L | SM 2540-D | 1.0  | 1 | 11/25/24 | 11/25/24 18:01 | KD  |

### Metals

|           |         |      |           |       |   |          |                |     |
|-----------|---------|------|-----------|-------|---|----------|----------------|-----|
| Iron      | 0.027   | mg/L | EPA 200.8 | 0.010 | 1 | 12/04/24 | 12/05/24 14:33 | RPV |
| Manganese | < 0.010 | mg/L | EPA 200.8 | 0.010 | 1 | 12/04/24 | 12/05/24 14:33 | RPV |

### Wet Chemistry

|             |        |      |           |  |   |  |               |      |
|-------------|--------|------|-----------|--|---|--|---------------|------|
| Perchlorate | < 0.20 | ug/L | EPA 314.0 |  | 1 |  | 12/13/24 9:58 | SUB* |
|-------------|--------|------|-----------|--|---|--|---------------|------|





# SUBURBAN TESTING LABS

Department / Test / Parameter

## Inorganics

|                               |      |      |           |      |   |          |                |     |
|-------------------------------|------|------|-----------|------|---|----------|----------------|-----|
| Alkalinity, Total (to pH 4.5) | 86.3 | mg/L | SM 2320-B | 20.0 | 1 | 11/28/24 | 11/28/24 22:20 | JRS |
| Chloride                      | 61.8 | mg/L | EPA 300.0 | 5.00 | 1 | 11/25/24 | 11/25/24 21:22 | MM  |
| Nitrate as N                  | 4.67 | mg/L | EPA 300.0 | 1.00 | 1 | 11/25/24 | 11/25/24 21:22 | MM  |
| Sulfate                       | 7.11 | mg/L | EPA 300.0 | 5.00 | 1 | 11/25/24 | 11/25/24 21:22 | MM  |
| Total Organic Carbon (TOC)    | 0.65 | mg/L | SM 5310-C | 0.50 | 1 | 12/10/24 | 12/10/24 3:41  | SBF |
| Total Suspended Solids (TSS)  | 2.8  | mg/L | SM 2540-D | 1.0  | 1 | 11/29/24 | 11/29/24 13:05 | CH  |

## Metals

|           |         |      |           |       |   |          |                    |     |
|-----------|---------|------|-----------|-------|---|----------|--------------------|-----|
| Iron      | 0.020   | mg/L | EPA 200.8 | 0.010 | 1 | 12/04/24 | OYK 12/05/24 14:36 | RPV |
| Manganese | < 0.010 | mg/L | EPA 200.8 | 0.010 | 1 | 12/04/24 | OYK 12/05/24 14:36 | RPV |

## Wet Chemistry

|             |        |      |           |     |   |  |                |      |
|-------------|--------|------|-----------|-----|---|--|----------------|------|
| Perchlorate | < 0.20 | ug/L | EPA 314.0 | 4.0 | 1 |  | 12/14/24 12:48 | SUB* |
|-------------|--------|------|-----------|-----|---|--|----------------|------|





# SUBURBAN TESTING LABS

| Department / Test / Parameter | Result | Method |
|-------------------------------|--------|--------|
|-------------------------------|--------|--------|

## Inorganics

|                               |       |        |           |      |   |          |                |     |
|-------------------------------|-------|--------|-----------|------|---|----------|----------------|-----|
| Alkalinity, Total (to pH 4.5) | 115   | mg/L   | SM 2320-B | 20.0 | 1 | 11/25/24 | 11/25/24 6:48  | JRS |
| Chloride                      | 186   | mg/L   | EPA 300.0 | 5.00 | 1 | 11/23/24 | 11/23/24 9:18  | ZJH |
| Nitrate as N                  | 9.83  | mg/L   | EPA 300.0 | 1.00 | 1 | 11/23/24 | 11/23/24 9:18  | ZJH |
| Sulfate                       | 34.0  | mg/L   | EPA 300.0 | 5.00 | 1 | 11/23/24 | 11/23/24 9:18  | ZJH |
| Total Organic Carbon (TOC)    | 1.05  | mg/L   | SM 5310-C | 0.50 | 1 | 12/06/24 | 12/06/24 23:32 | SBF |
| Total Suspended Solids (TSS)  | < 1.0 | R mg/L | SM 2540-D | 1.0  | 1 | 11/25/24 | 11/25/24 18:01 | KD  |

## Metals

|           |         |      |           |       |   |          |                    |     |
|-----------|---------|------|-----------|-------|---|----------|--------------------|-----|
| Iron      | 0.012   | mg/L | EPA 200.8 | 0.010 | 1 | 12/04/24 | OYK 12/05/24 15:08 | RPV |
| Manganese | < 0.010 | mg/L | EPA 200.8 | 0.010 | 1 | 12/04/24 | OYK 12/05/24 15:08 | RPV |

## Wet Chemistry

|             |        |      |           |     |   |  |                |      |
|-------------|--------|------|-----------|-----|---|--|----------------|------|
| Perchlorate | < 0.20 | ug/L | EPA 314.0 | 4.0 | 1 |  | 12/13/24 11:23 | SUB* |
|-------------|--------|------|-----------|-----|---|--|----------------|------|

4K04560

Effective: 05/29/2024





| Department / Test / Parameter | Result |
|-------------------------------|--------|
|-------------------------------|--------|

### Inorganics

|                               |         |      |           |      |   |          |     |                |     |
|-------------------------------|---------|------|-----------|------|---|----------|-----|----------------|-----|
| Alkalinity, Total (to pH 4.5) | < 20.0  | mg/L | SM 2320-B | 20.0 | 1 | 11/28/24 | JRS | 11/28/24 22:43 | JRS |
| Chloride                      | 227     | mg/L | EPA 300.0 | 5.00 | 1 | 11/25/24 | NEL | 11/25/24 19:58 | MM  |
| Nitrate as N                  | 9.80    | mg/L | EPA 300.0 | 1.00 | 1 | 11/25/24 | NEL | 11/25/24 19:58 | MM  |
| Sulfate                       | < 5.00  | mg/L | EPA 300.0 | 5.00 | 1 | 11/25/24 | NEL | 11/25/24 19:58 | MM  |
| Total Organic Carbon (TOC)    | 0.72    | mg/L | SM 5310-C | 0.50 | 1 | 12/10/24 | SBF | 12/10/24 6:13  | SBF |
| Total Suspended Solids (TSS)  | < 1.0 R | mg/L | SM 2540-D | 1.0  | 1 | 11/29/24 | CH  | 11/29/24 13:05 | CH  |

### Metals

|           |         |      |           |       |   |          |     |                |     |
|-----------|---------|------|-----------|-------|---|----------|-----|----------------|-----|
| Iron      | < 0.010 | mg/L | EPA 200.8 | 0.010 | 1 | 12/05/24 | RPV | 12/05/24 17:42 | RPV |
| Manganese | 0.026   | mg/L | EPA 200.8 | 0.010 | 1 | 12/05/24 | RPV | 12/05/24 17:42 | RPV |

### Wet Chemistry

|             |        |      |           |     |   |  |  |                |      |
|-------------|--------|------|-----------|-----|---|--|--|----------------|------|
| Perchlorate | < 0.20 | ug/L | EPA 314.0 | 4.0 | 1 |  |  | 12/14/24 12:19 | SUB* |
|-------------|--------|------|-----------|-----|---|--|--|----------------|------|

4K04562

Effective: 05/29/2024

**SUBURBAN TESTING LABS**

1037F MacArthur Road, Reading, PA 19606 Phone 610-375-TEST Fax 610-375-4090 [suburbantestinglabs.com](http://suburbantestinglabs.com)



PA DEP # 06-00208  
NJDEP# PA081



# SUBURBAN TESTING LABS

| Department / Test / Parameter | Result | Method |
|-------------------------------|--------|--------|
|-------------------------------|--------|--------|

## Inorganics

|                               |         |      |           |      |   |          |                |     |
|-------------------------------|---------|------|-----------|------|---|----------|----------------|-----|
| Alkalinity, Total (to pH 4.5) | 79.3    | mg/L | SM 2320-B | 20.0 | 1 | 11/25/24 | 11/25/24 6:56  | JRS |
| Chloride                      | 123     | mg/L | EPA 300.0 | 5.00 | 1 | 11/23/24 | 11/23/24 8:27  | ZJH |
| Nitrate as N                  | 6.12    | mg/L | EPA 300.0 | 1.00 | 1 | 11/23/24 | 11/23/24 8:27  | ZJH |
| Sulfate                       | 10.2    | mg/L | EPA 300.0 | 5.00 | 1 | 11/23/24 | 11/23/24 8:27  | ZJH |
| Total Organic Carbon (TOC)    | 0.90    | mg/L | SM 5310-C | 0.50 | 1 | 12/07/24 | 12/07/24 0:45  | SBF |
| Total Suspended Solids (TSS)  | < 1.0 R | mg/L | SM 2540-D | 1.0  | 1 | 11/25/24 | 11/25/24 18:01 | KD  |

## Metals

|           |       |      |           |       |   |          |                |     |
|-----------|-------|------|-----------|-------|---|----------|----------------|-----|
| Iron      | 0.018 | mg/L | EPA 200.8 | 0.010 | 1 | 12/04/24 | 12/05/24 15:12 | RPV |
| Manganese | 0.062 | mg/L | EPA 200.8 | 0.010 | 1 | 12/04/24 | 12/05/24 15:12 | RPV |

## Wet Chemistry

|             |        |      |           |     |   |  |                |      |
|-------------|--------|------|-----------|-----|---|--|----------------|------|
| Perchlorate | < 0.20 | ug/L | EPA 314.0 | 4.0 | 1 |  | 12/13/24 11:51 | SUB* |
|-------------|--------|------|-----------|-----|---|--|----------------|------|

