



Post-Treatment Laboratory Water Test Results for a NC Public School

To help mitigate high levels of PFAS in a North Carolina Public School's water, **Kinetico® Advanced Water Systems** installed multiple types of water treatment systems, followed by in-depth laboratory water testing.

Data Table: Eliminating 99% of PFAS in Water With Reverse Osmosis

Results following installation of the K5 Drinking Water Stations® in the school are listed below, using **EPA Method 537.1** (LC-MS) to measure perfluorinated alkyl acids in drinking water. Results are reported in nanograms per liter (ng/L), equivalent to parts per trillion (1 ng/L = 1 ppt).

| Contaminant (Analyte) | Reporting Limit | Results |
|--|-----------------|---------|
| Perfluorodecanoic acid (PFDA) | 1.7 ng/L | <1.7 |
| Perfluorododecanoic acid (PFDoA) | 1.7 ng/L | <1.7 |
| Perfluoroheptanoic acid (PFHpA) | 1.7 ng/L | <1.7 |
| Perfluorohexanoic acid (PFHxA) | 1.7 ng/L | <1.7 |
| Perfluorononanoic acid (PFNA) | 1.7 ng/L | <1.7 |
| Perfluorooctanoic acid (PFOA) | 1.7 ng/L | <1.7 |
| Perfluorotetradecanoic acid (PFTeA) | 1.7 ng/L | <1.7 |
| Perfluorotridecanoic acid (PFTrDA) | 1.7 ng/L | <1.7 |
| Perfluoroundecanoic acid (PFUnA) | 1.7 ng/L | <1.7 |
| Perfluorobutanesulfonic acid (PFBS) | 1.7 ng/L | <1.7 |
| Perfluorohexanesulfonic acid (PFHxS) | 1.7 ng/L | <1.7 |
| Perfluorooctanesulfonic acid (PFOS) | 1.7 ng/L | <1.7 |
| N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA) | 1.7 ng/L | <1.7 |
| N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA) | 1.7 ng/L | <1.7 |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | 1.7 ng/L | <1.7 |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | 1.7 ng/L | <1.7 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | 1.7 ng/L | <1.7 |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | 1.7 ng/L | <1.7 |



Data Table: Water Test Results Show Non-Detect for All Tested PFAS

Where we installed the Granular Activated Carbon (GAC) point-of-entry systems in the school, laboratory water tests indicated a non-detect for all tested PFAS. Results here are shown in parts per trillion (ppt), using LC-MS (Liquid Chromatography-Mass Spectrometry) to detect perfluorinated compounds. The EPA's recommended Maximum Contaminant Limit (MCL) for PFAS is between 4-10 ppt, depending on the compound.

| Contaminant (Analyte) | Minimum Detection Level (MDL) | Results |
|-----------------------|-------------------------------|---------|
| 11CI-PF3OUdS | 1.00 ppt | ND |
| 9CI-PF3ONS | 1.00 ppt | ND |
| ADONA | 1.00 ppt | ND |
| HFPO-DA | 1.00 ppt | ND |
| NEtFOSAA | 1.00 ppt | ND |
| NMeFOSAA | 1.00 ppt | ND |
| PFBS | 1.00 ppt | ND |
| PFDA | 1.00 ppt | ND |
| PFDoA | 1.00 ppt | ND |
| PFHpA | 1.00 ppt | ND |
| PFHxA | 1.00 ppt | ND |
| PFHxS | 1.00 ppt | ND |
| PFNA | 1.00 ppt | ND |
| PFOA | 1.00 ppt | ND |
| PFOS | 1.00 ppt | ND |
| PFTA | 1.00 ppt | ND |
| PFTrDA | 1.00 ppt | ND |
| PFUnA | 1.00 ppt | ND |