

# CFA VEMTC WMS

## Quarterly Performance Report

Calendar Quarter Four 2021 - 01/10/2021 - 31/12/2021

Report Issue Date - 10/01/2022

The Water Management System (WMS) at each Victorian Emergency Management Training Centre (VEMTC) is designed to produce water for training, in line with a Specification which ensures the water is better than the minimum requirements of the Australian Drinking Water Guidelines.

Water samples taken from two sampling locations at each VEMTC are sent for analysis at a NATA accredited laboratory. This report summarises the sampling results and their conformance to the Specification for the past quarter.

<b>WTP1 - Penshurst Water Quality Summary</b>		
<b>Sample Date</b>	<b>Treated Water Tank Outlet</b>	<b>Hydrants</b>
05/10/2021	All results within Specification	11 of 11 hydrants within Specification
20/10/2021	All results within Specification	11 of 11 hydrants within Specification
04/11/2021	All results within Specification	11 of 11 hydrants within Specification
17/11/2021	All results within Specification	11 of 11 hydrants within Specification
30/11/2021	All results within Specification	11 of 11 hydrants within Specification
14/12/2021	All results within Specification	11 of 11 hydrants within Specification

## WTP1 - Penshurst Results Discussion

Treated water tank outlet and all hydrants within Specification.

<b>WTP2 - Wangaratta Water Quality Summary</b>		
<b>Sample Date</b>	<b>Treated Water Tank Outlet</b>	<b>Hydrants</b>
12/10/2021	All results within Specification	9 of 9 hydrants within Specification
26/10/2021	All results within Specification	9 of 9 hydrants within Specification
09/11/2021	All results within Specification	9 of 9 hydrants within Specification
23/11/2021	All results within Specification	9 of 9 hydrants within Specification
07/12/2021	All results within Specification	9 of 9 hydrants within Specification
21/12/2021	All results within Specification	9 of 9 hydrants within Specification

## WTP2 - Wangaratta Results Discussion

Treated water tank outlet and all hydrants within Specification.

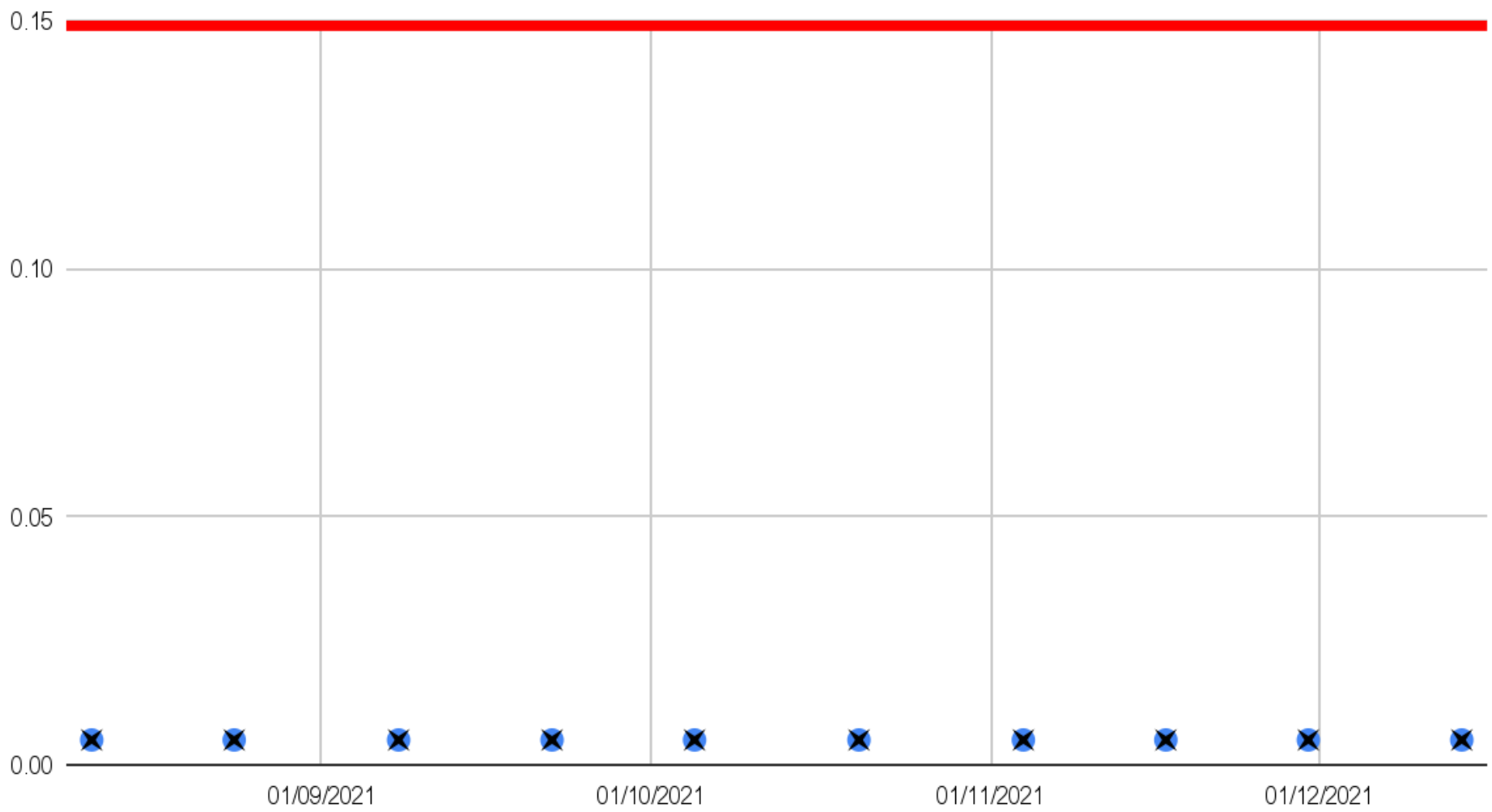


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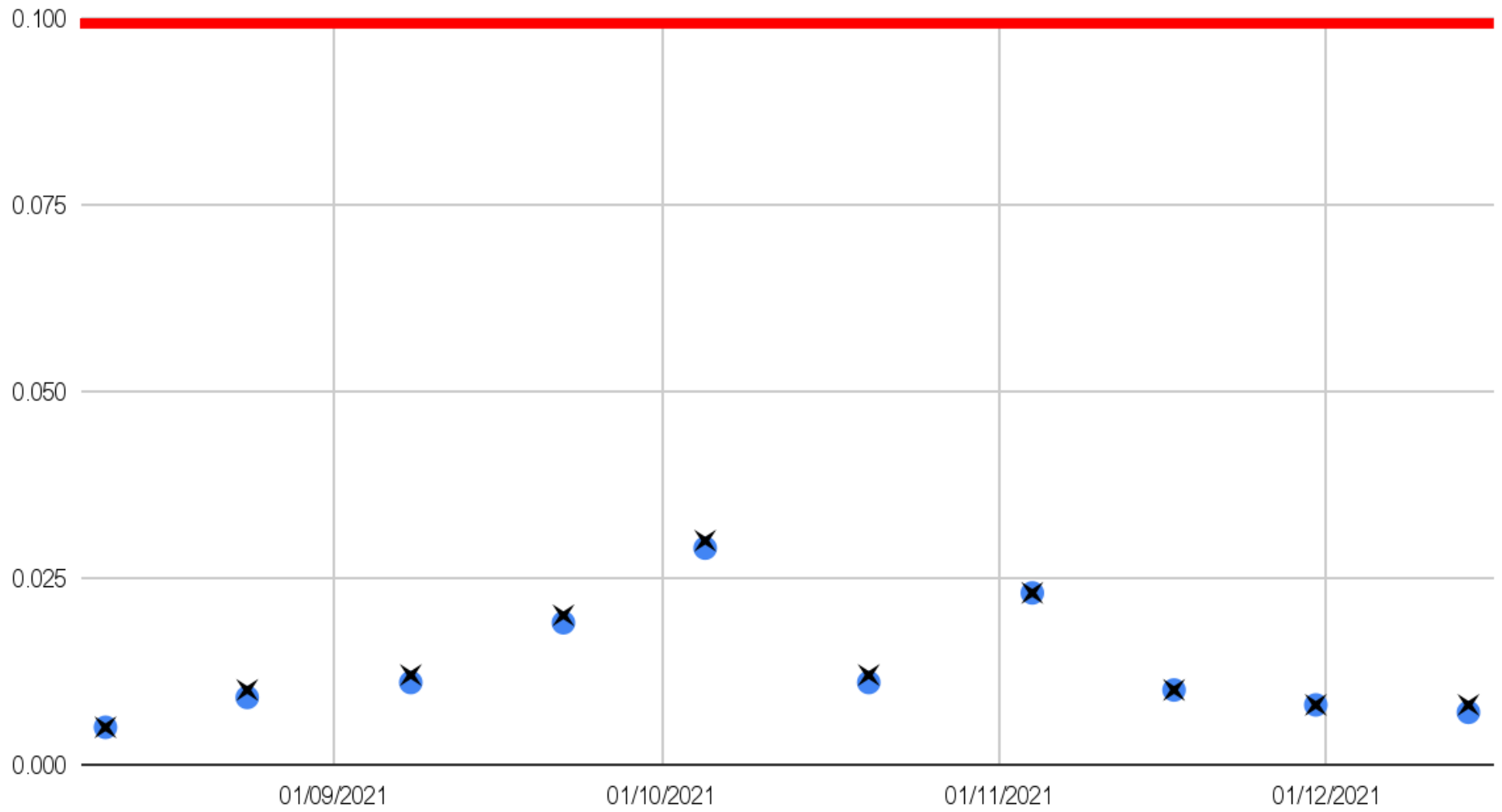
# Water Quality Charts

## External Laboratory Results

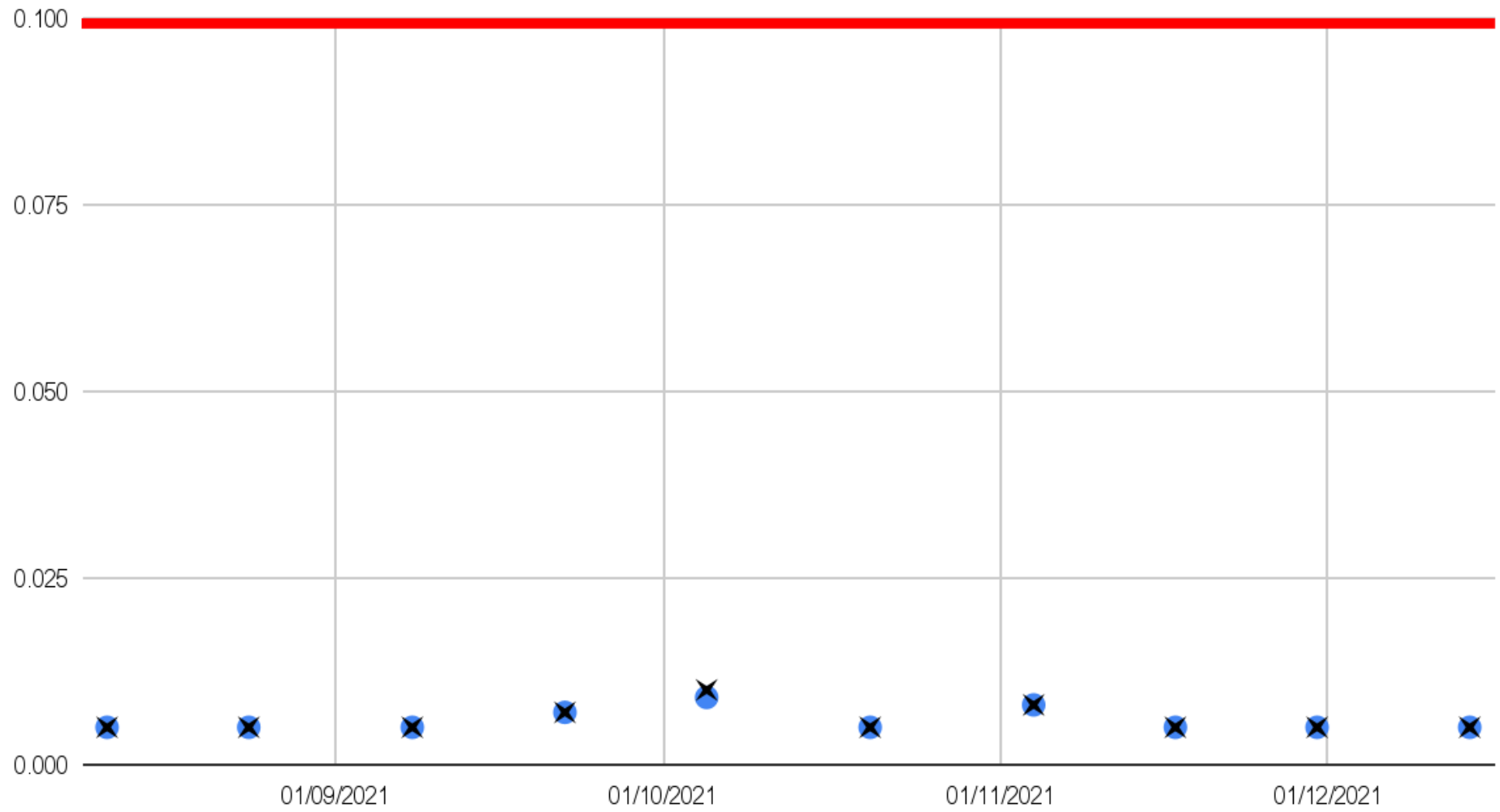
● Penshurst Treated Water Tank Chloroacetic Acid (mg/L)    ✕ Penshurst Hydrants Chloroacetic Acid (mg/L)    0.15 mg/L    — Limit



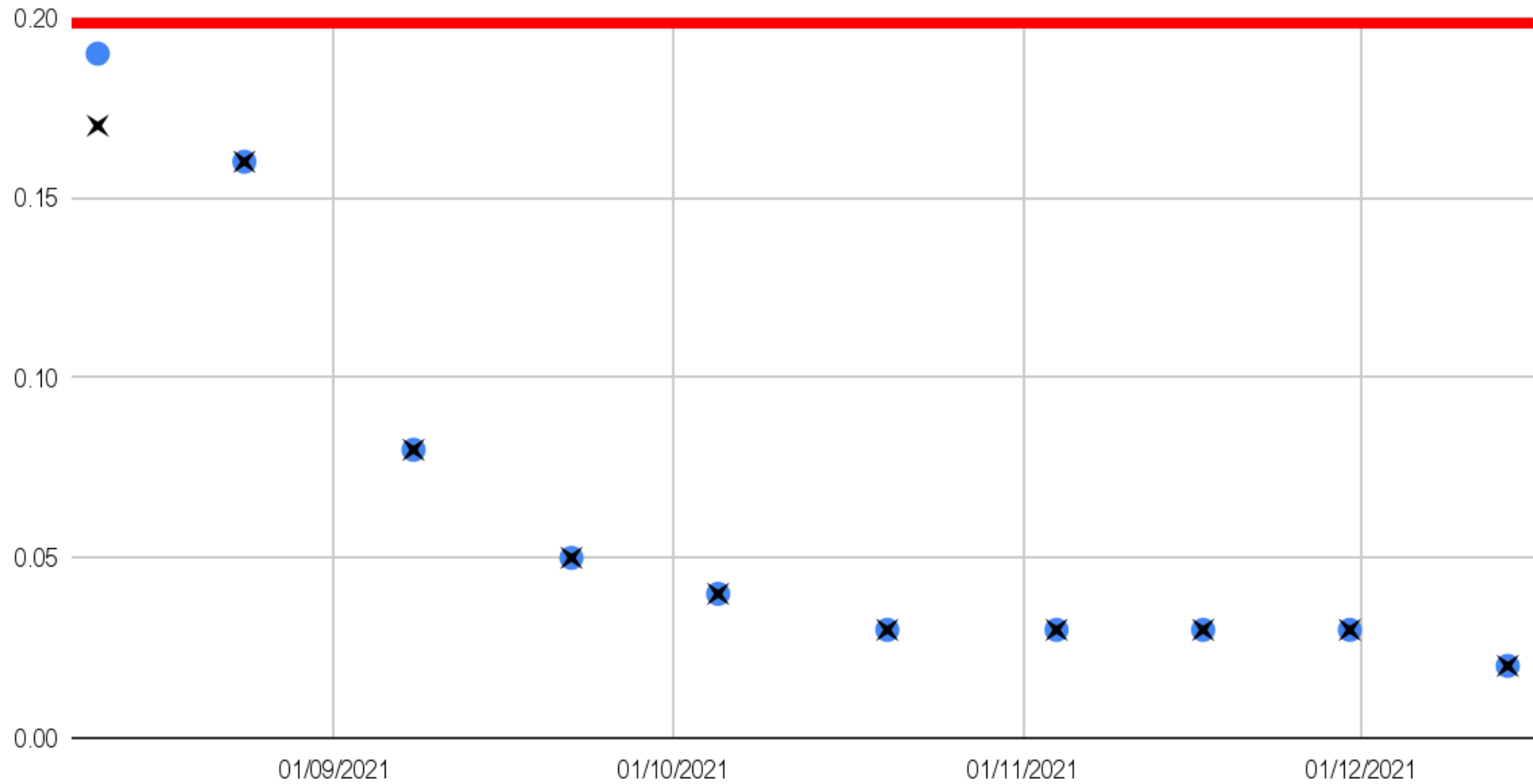
● Penshurst Treated Water Tank Dichloroacetic Acid (mg/L)    ✕ Penshurst Hydrants Dichloroacetic Acid (mg/L)    0.1 mg/L    — Limit



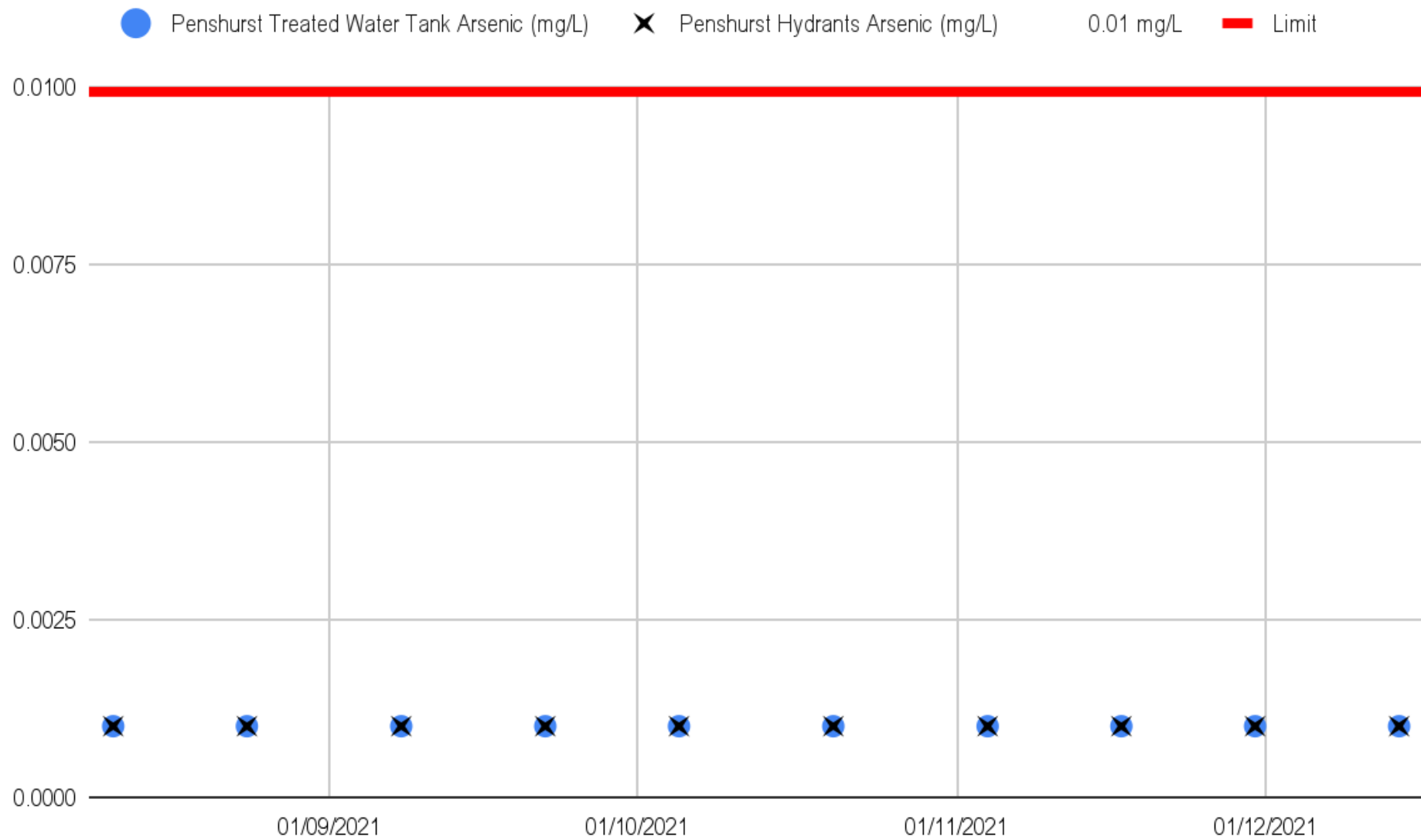
● Penshurst Treated Water Tank Trichloroacetic Acid (mg/L)    ✕ Penshurst Hydrants Trichloroacetic Acid (mg/L)    0.1 mg/L    — Limit



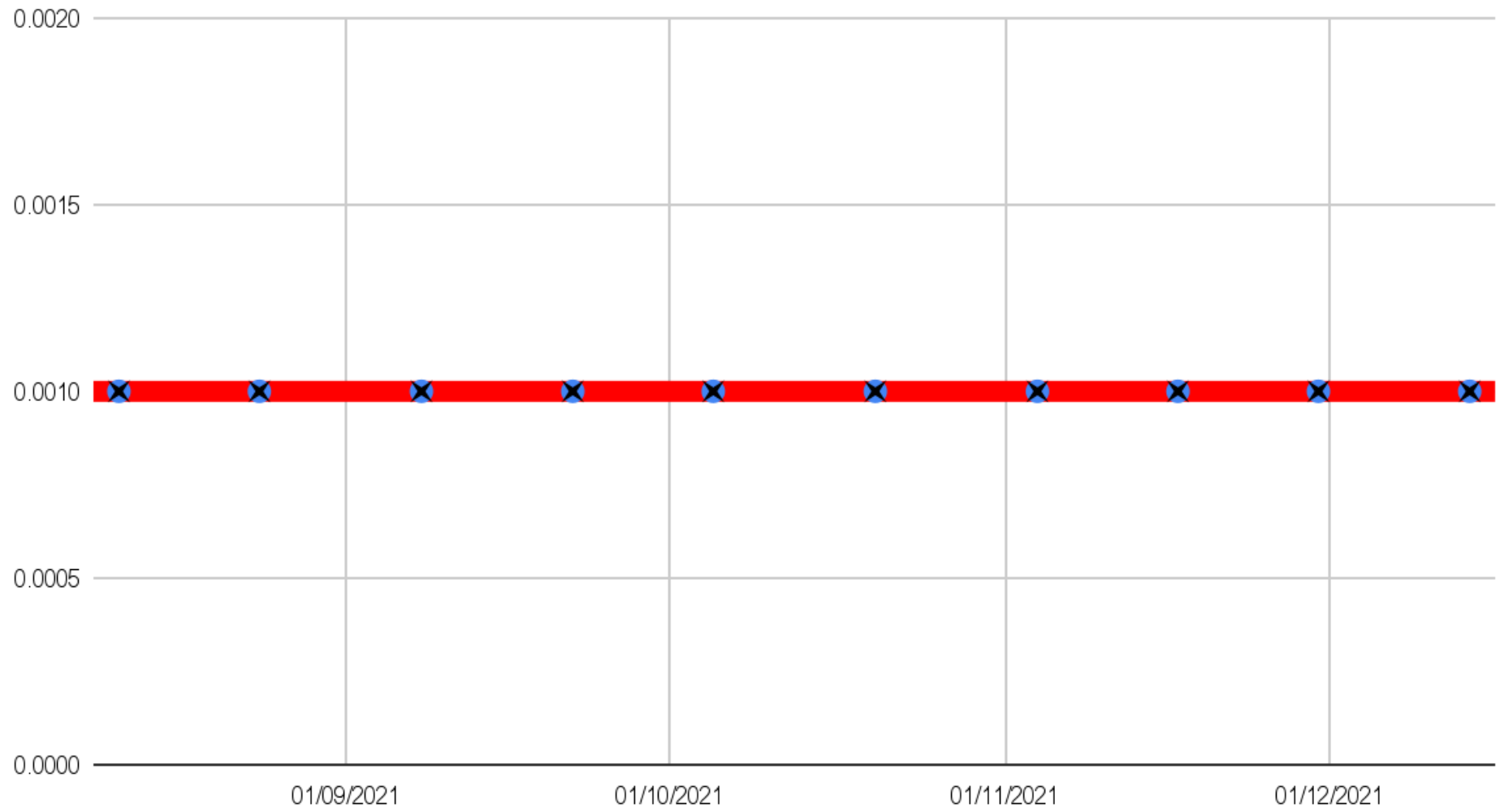
● Penshurst Treated Water Tank Acid Soluble Aluminium (mg/L)    ✕ Penshurst Hydrants Acid Soluble Aluminium (mg/L)    0.2 mg/L  
— Limit

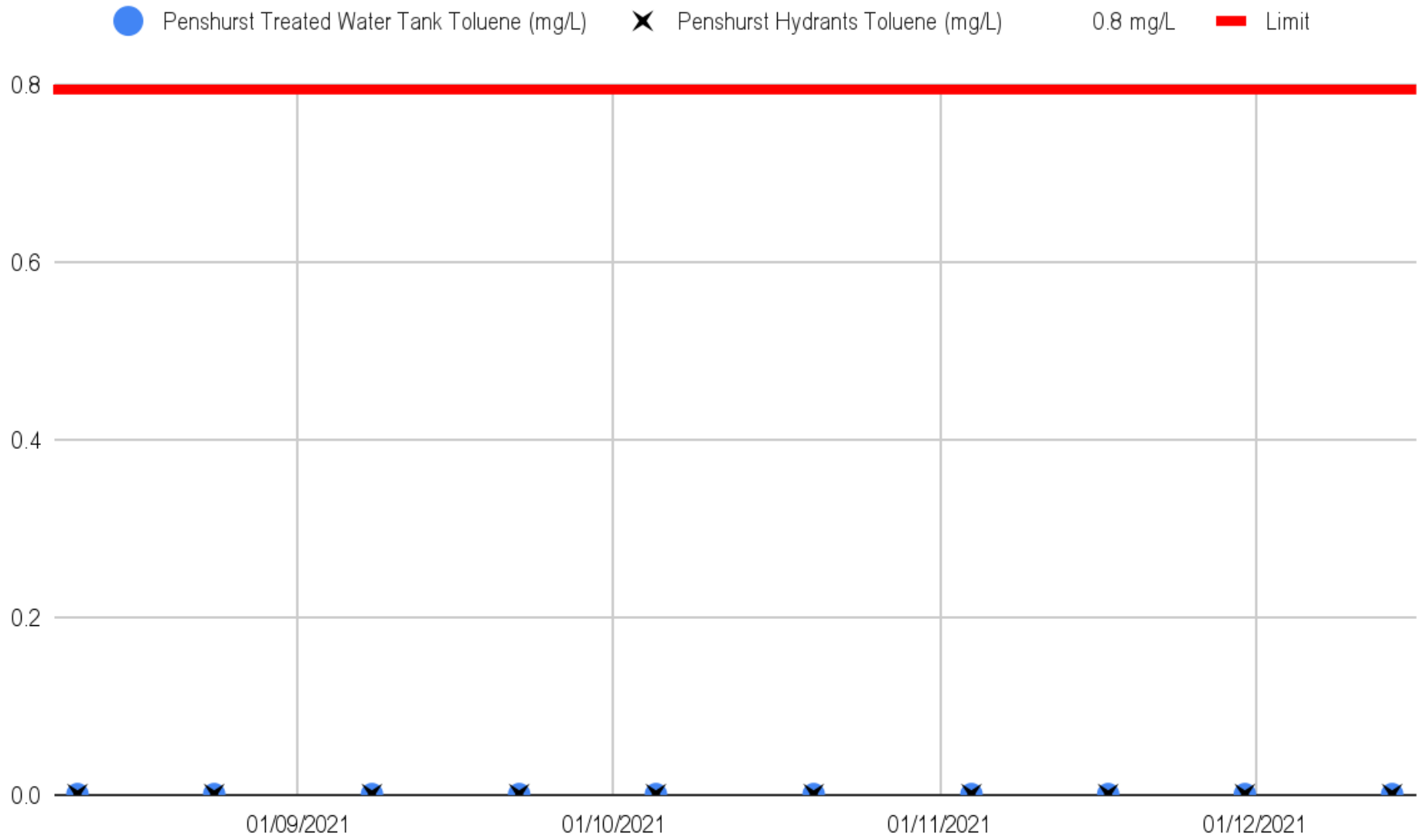




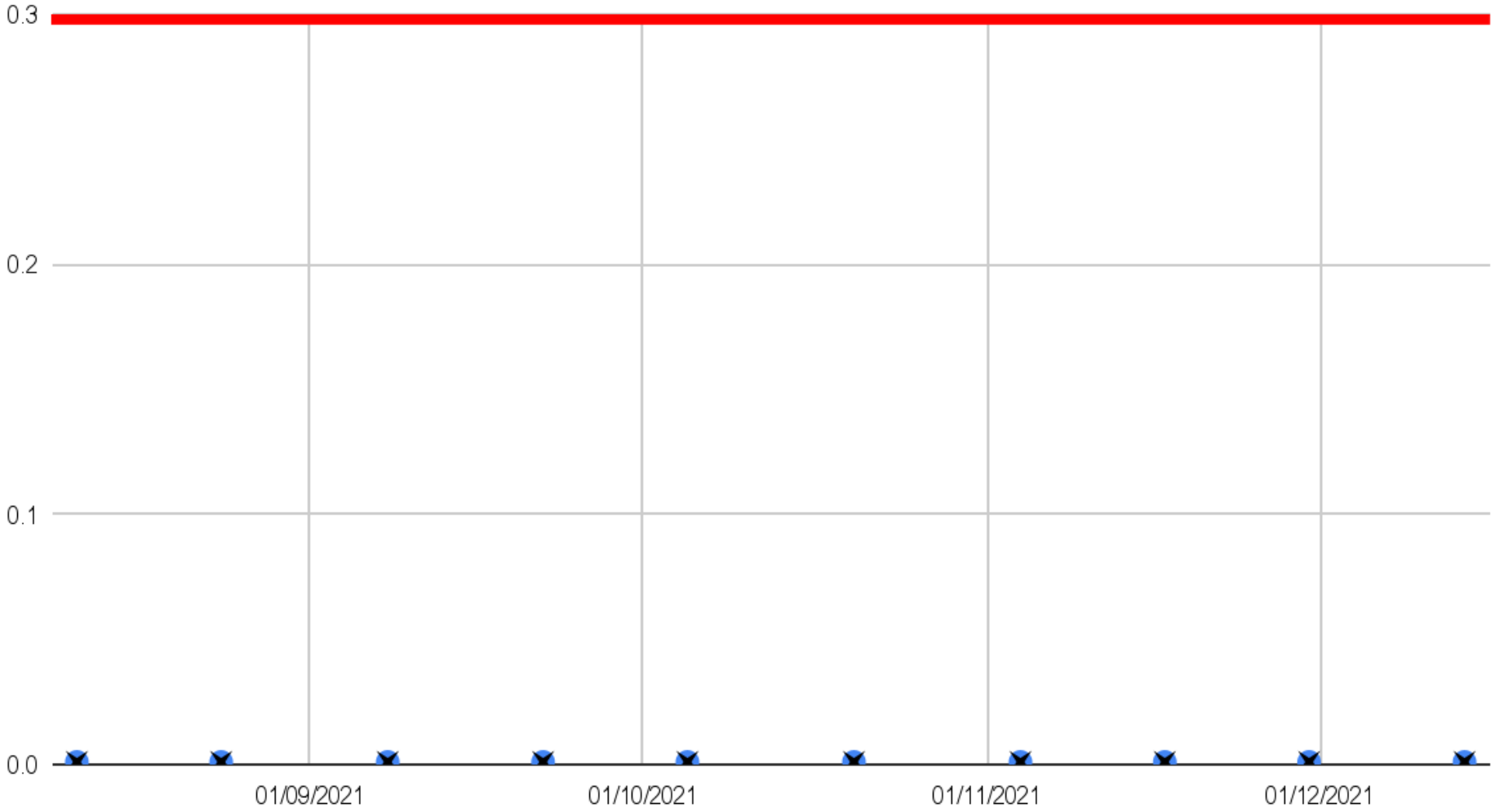


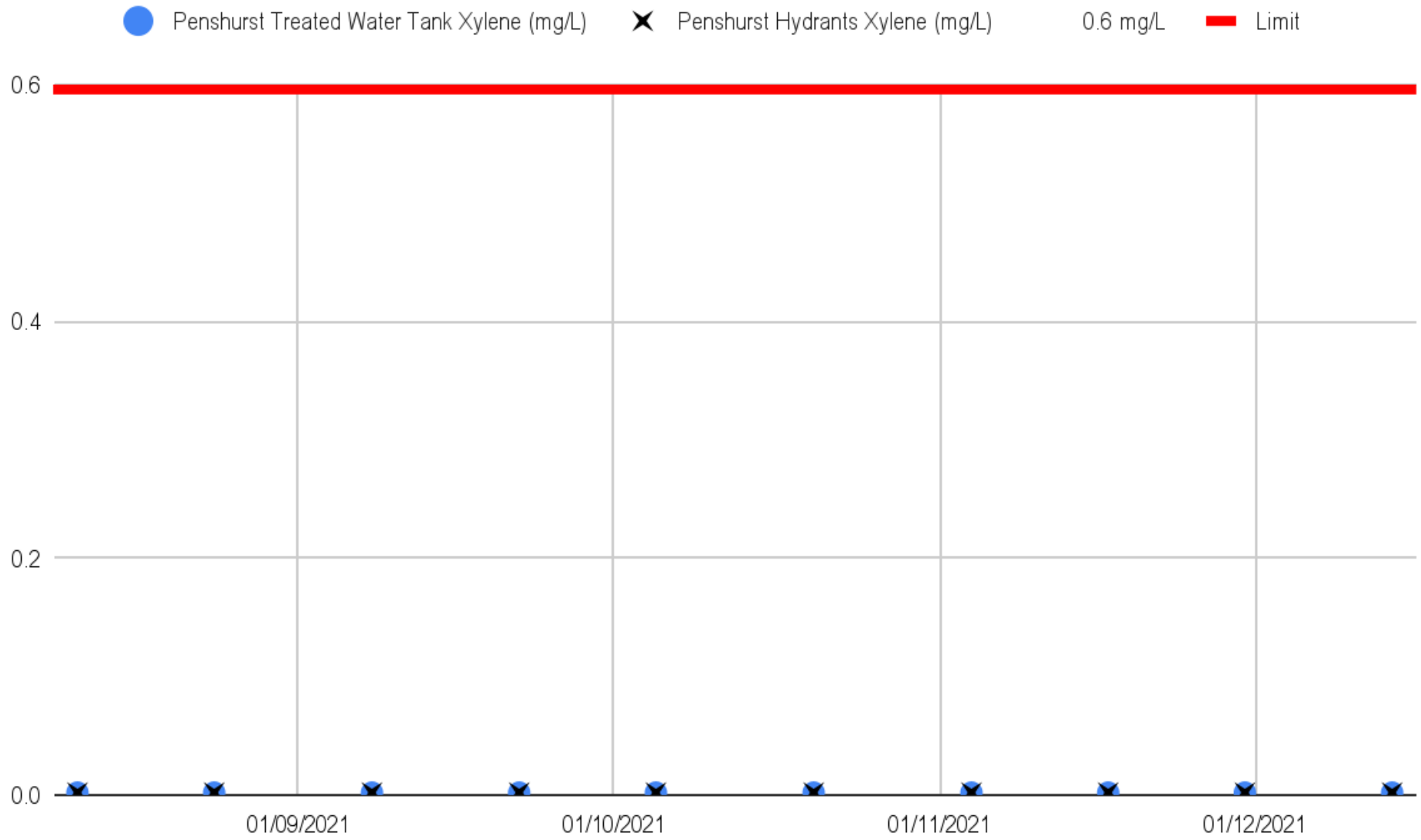
● Penshurst Treated Water Tank Benzene (mg/L)    ✕ Penshurst Hydrants Benzene (mg/L)    0.001 mg/L    ■ Limit



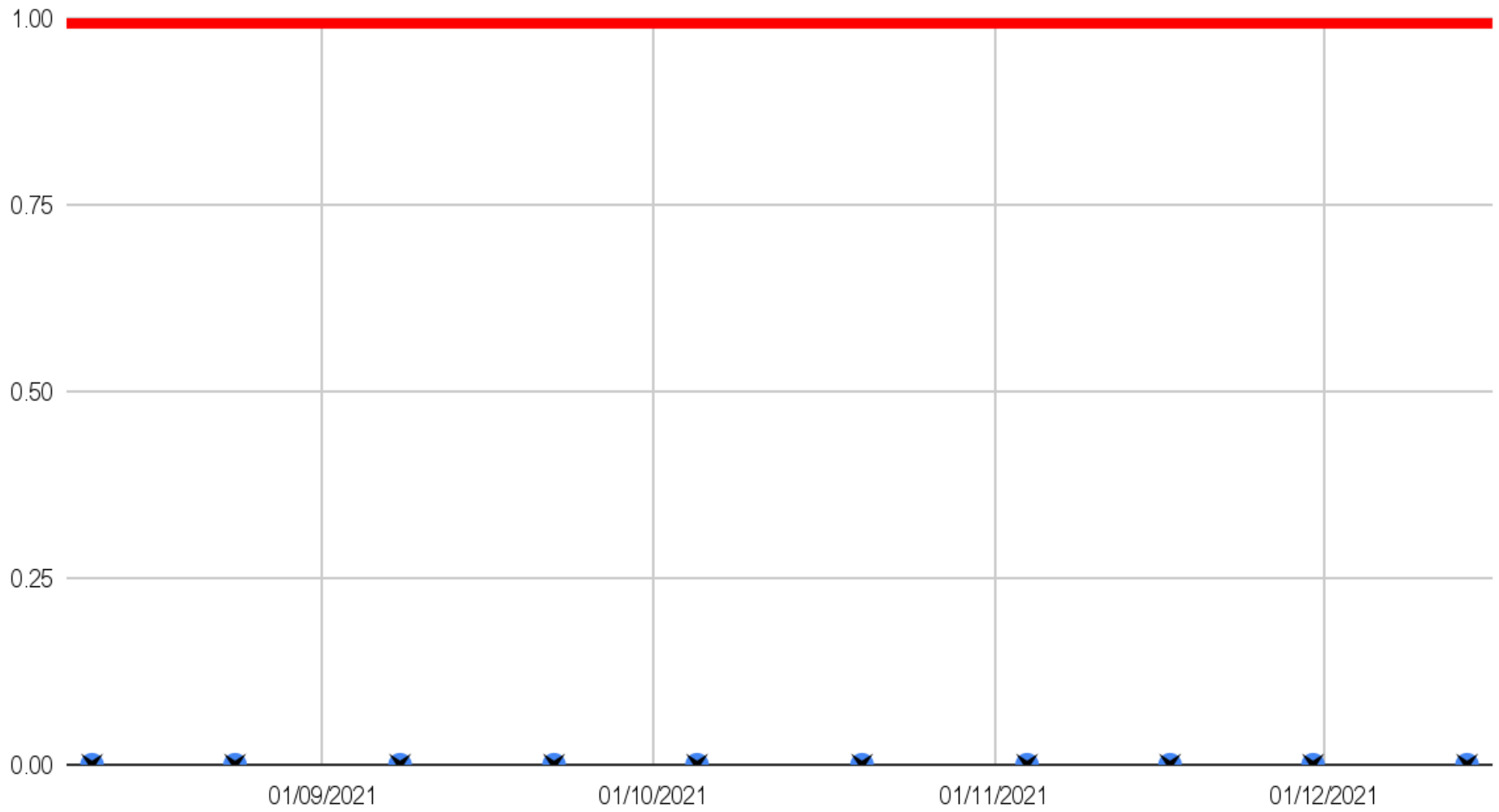


● Penshurst Treated Water Tank Ethylbenzene (mg/L)    ✕ Penshurst Hydrants Ethylbenzene (mg/L)    0.3 mg/L    — Limit

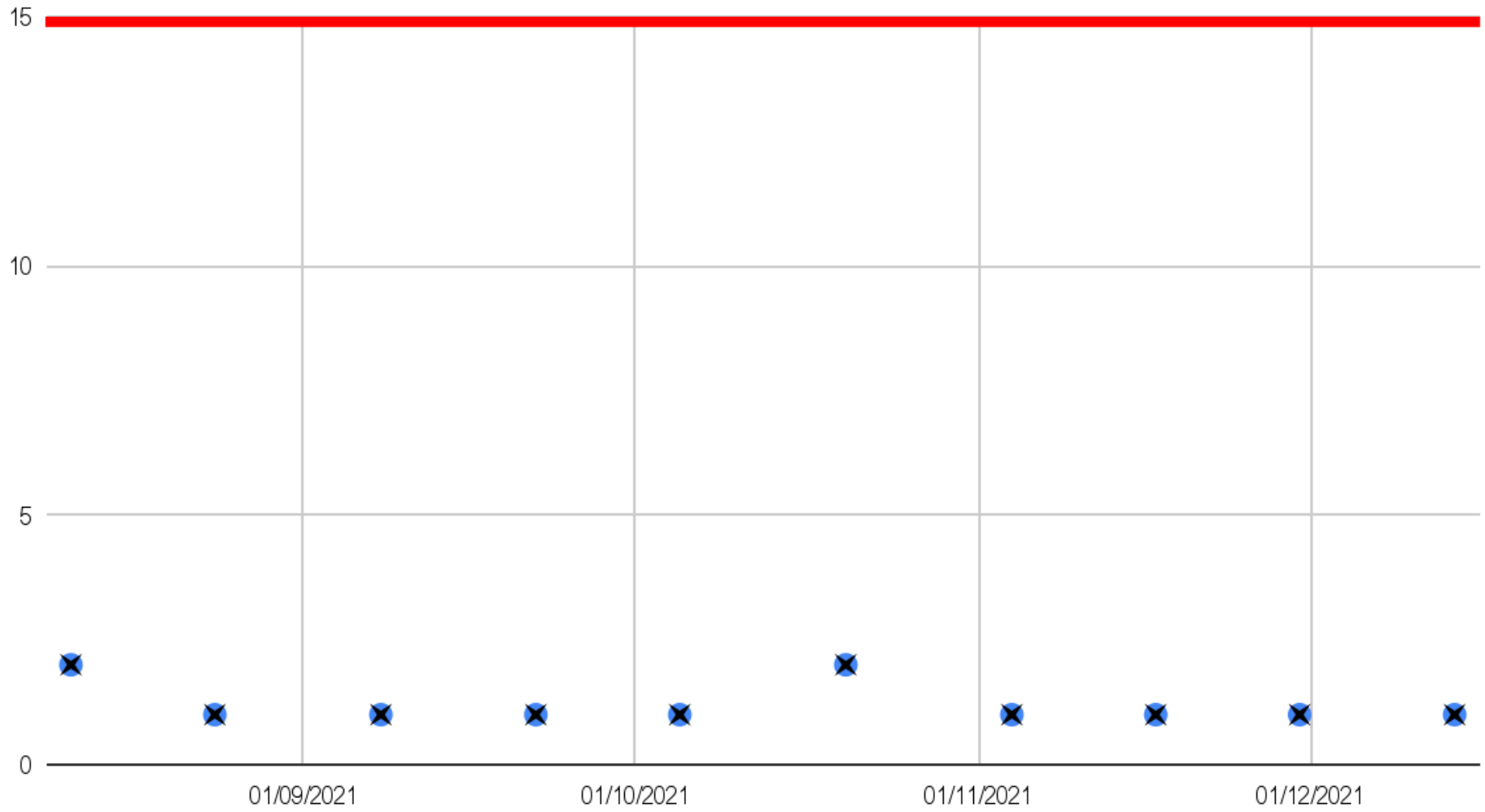


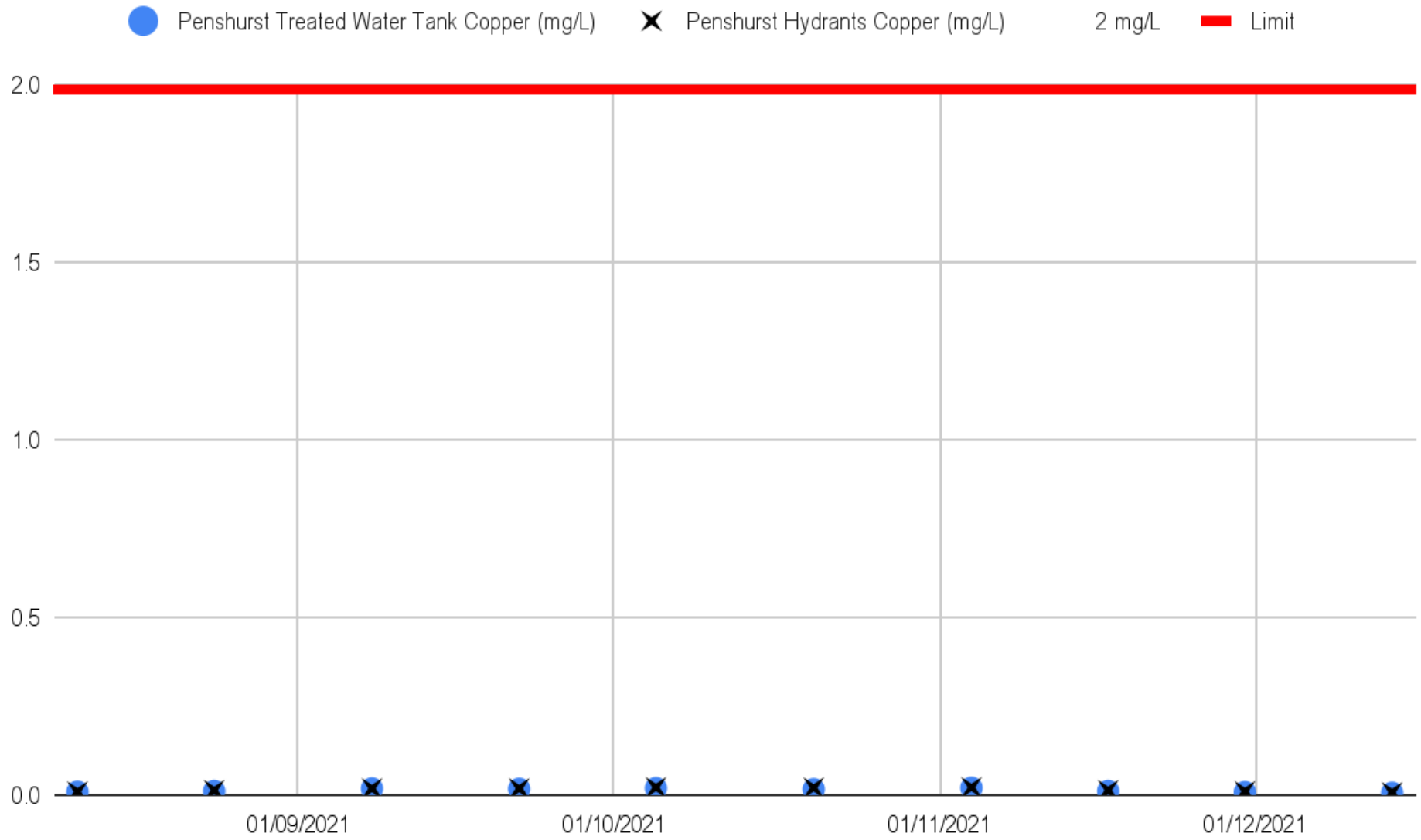


● Penshurst Treated Water Tank Coliforms (CFU/100mL)    ✕ Penshurst Hydrants Coliforms (CFU/100mL)    1 cfu/100mL    — Limit



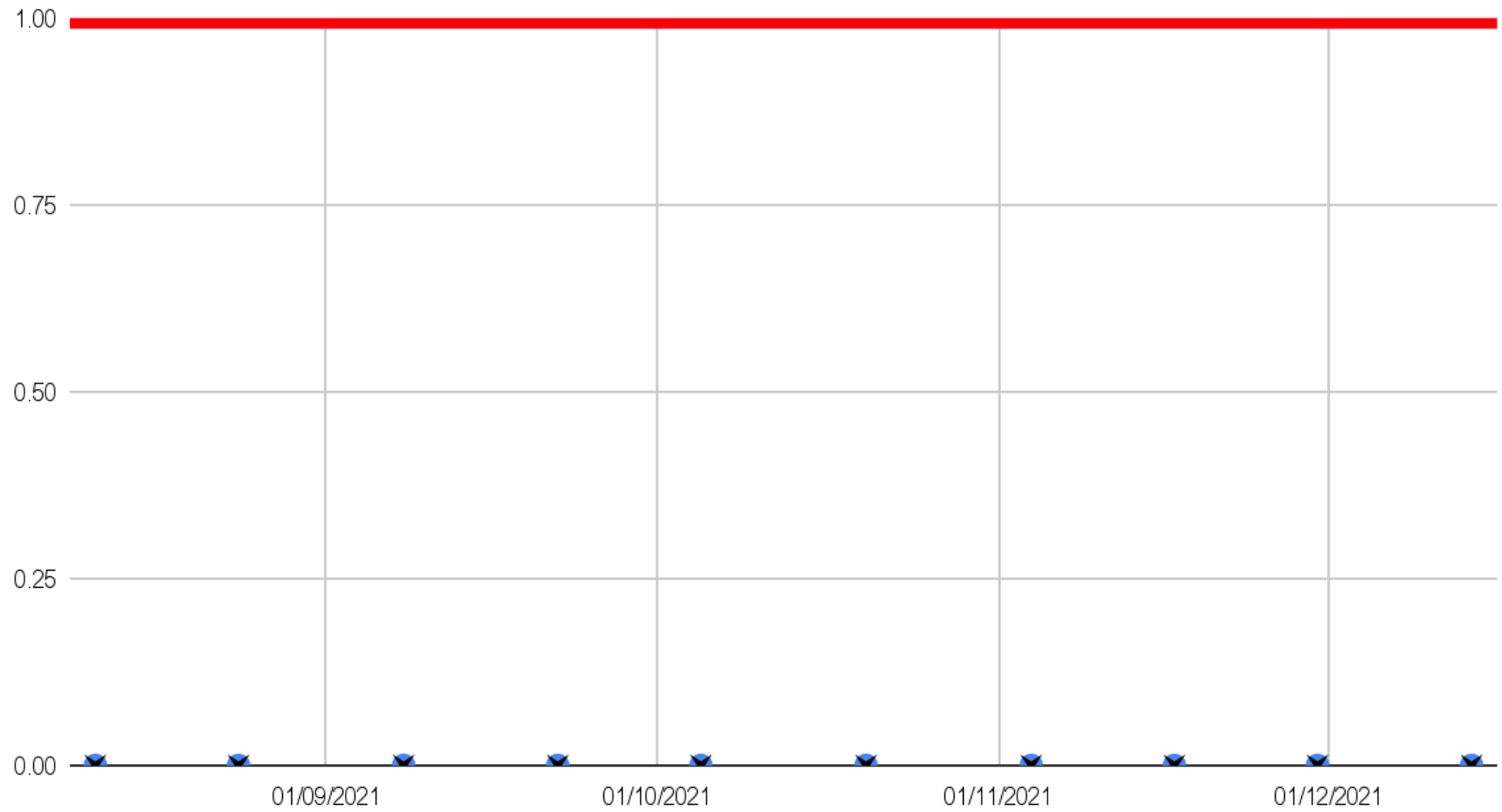
● Peshurst Treated Water Tank Colour (Pt/Co)    ✕ Peshurst Hydrants Colour (Pt/Co)    15 Pt/Co    — Limit

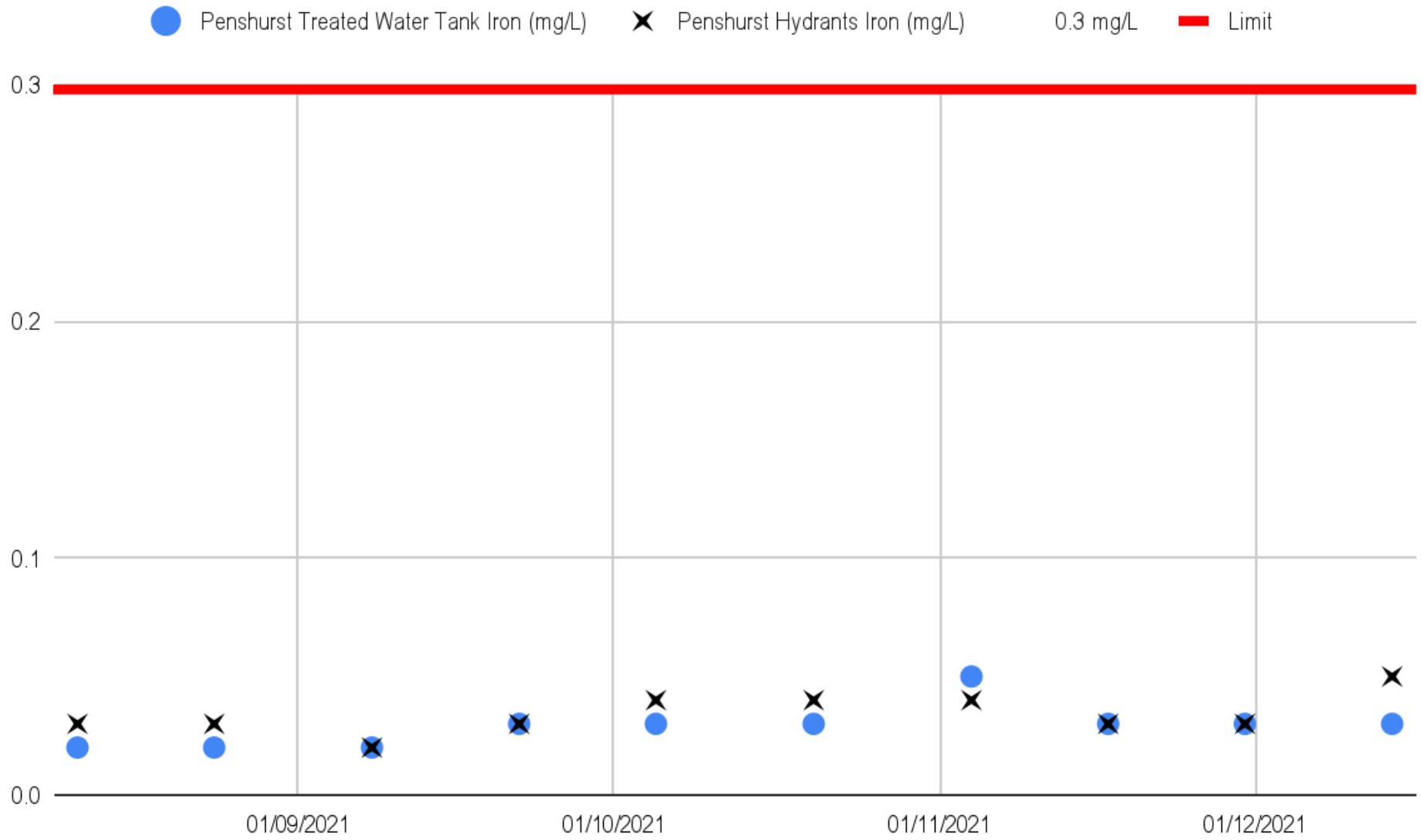




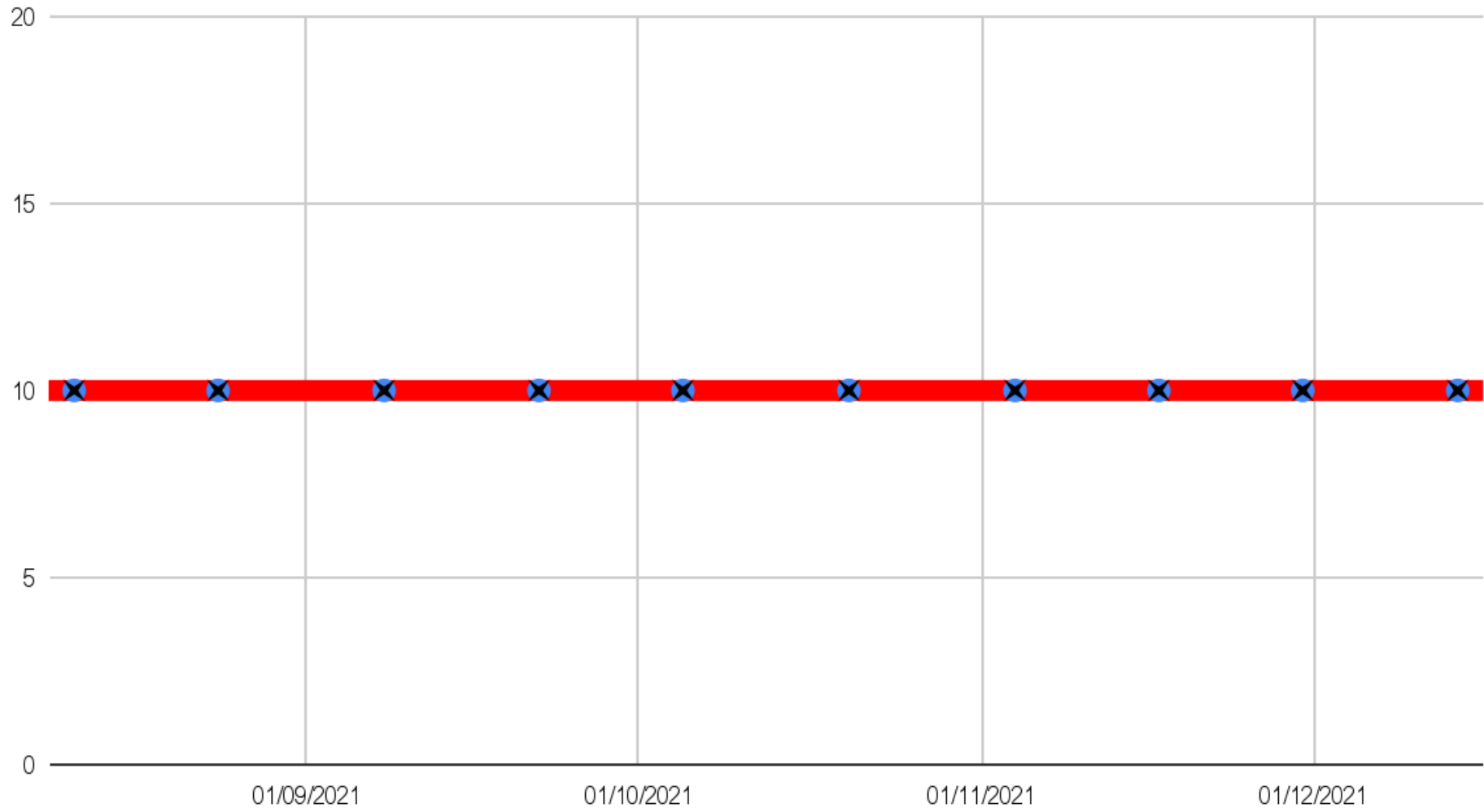


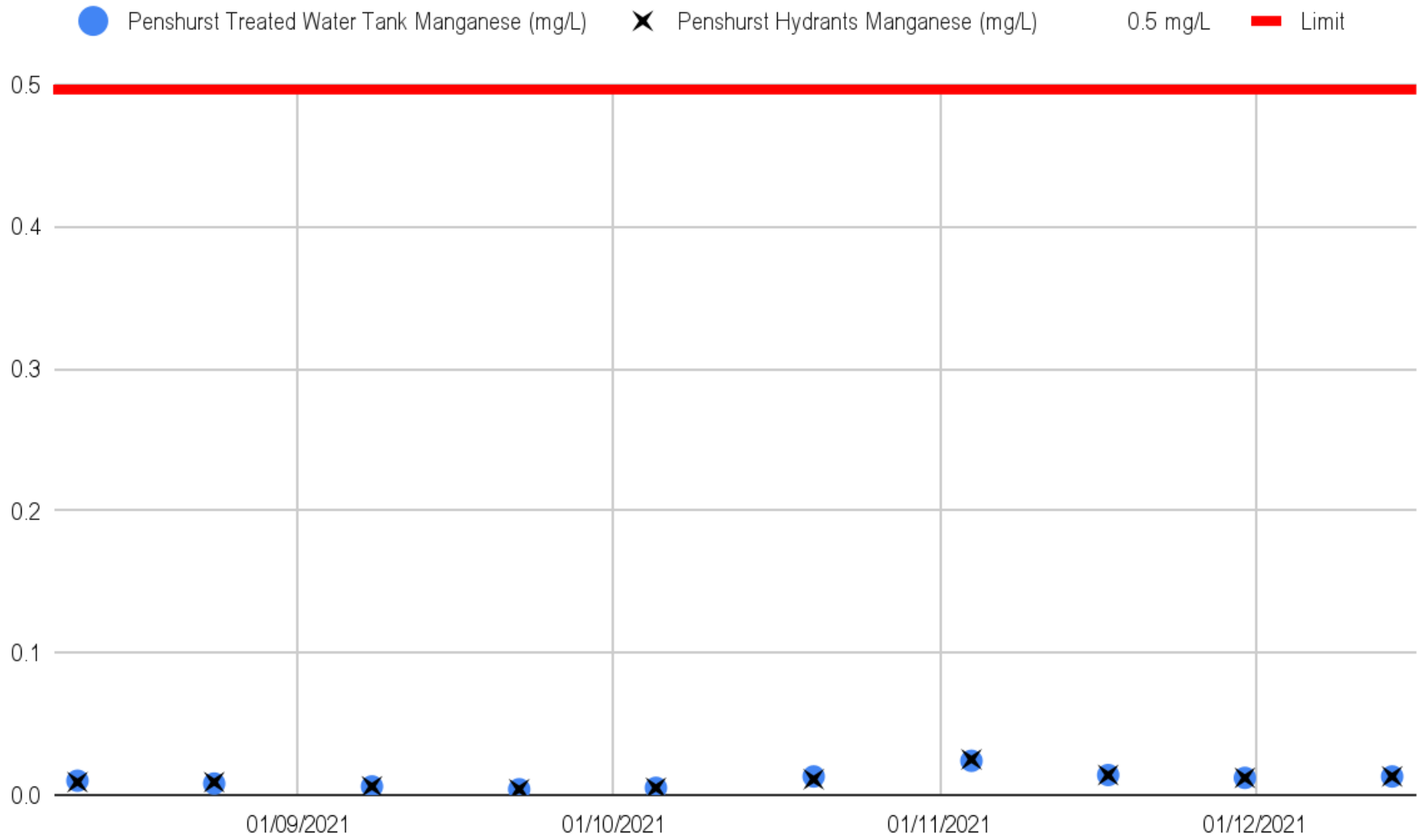
● Penshurst Treated Water Tank E.coli (CFU/100mL)    ✕ Penshurst Hydrants E.coli (CFU/100mL)    1 cfu/100mL    — Limit



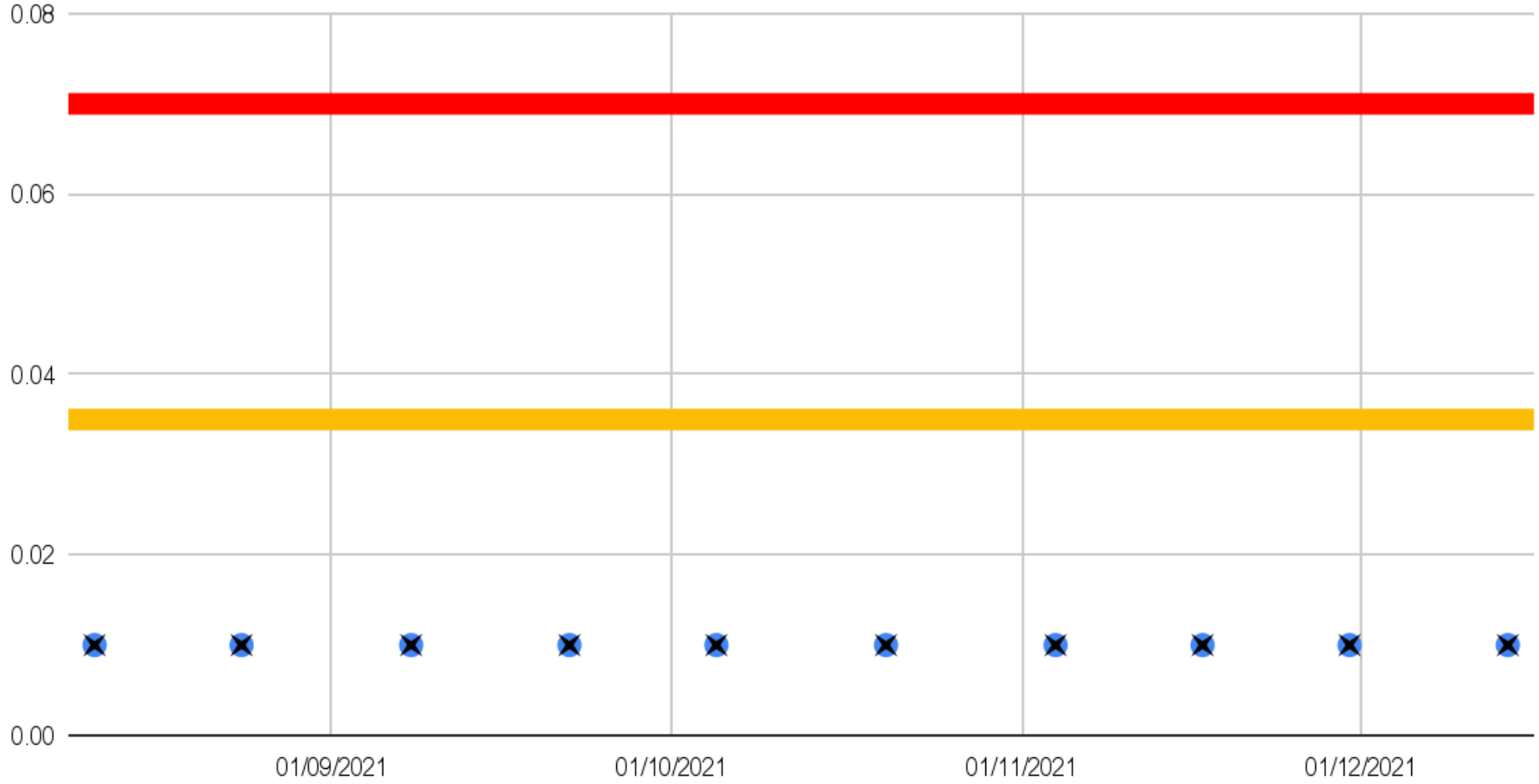


● Peshurst Treated Water Tank Legionella spp (CFU/mL)    ✕ Peshurst Hydrants Legionella spp (CFU/mL)    10 cfu/mL    ■ Limit

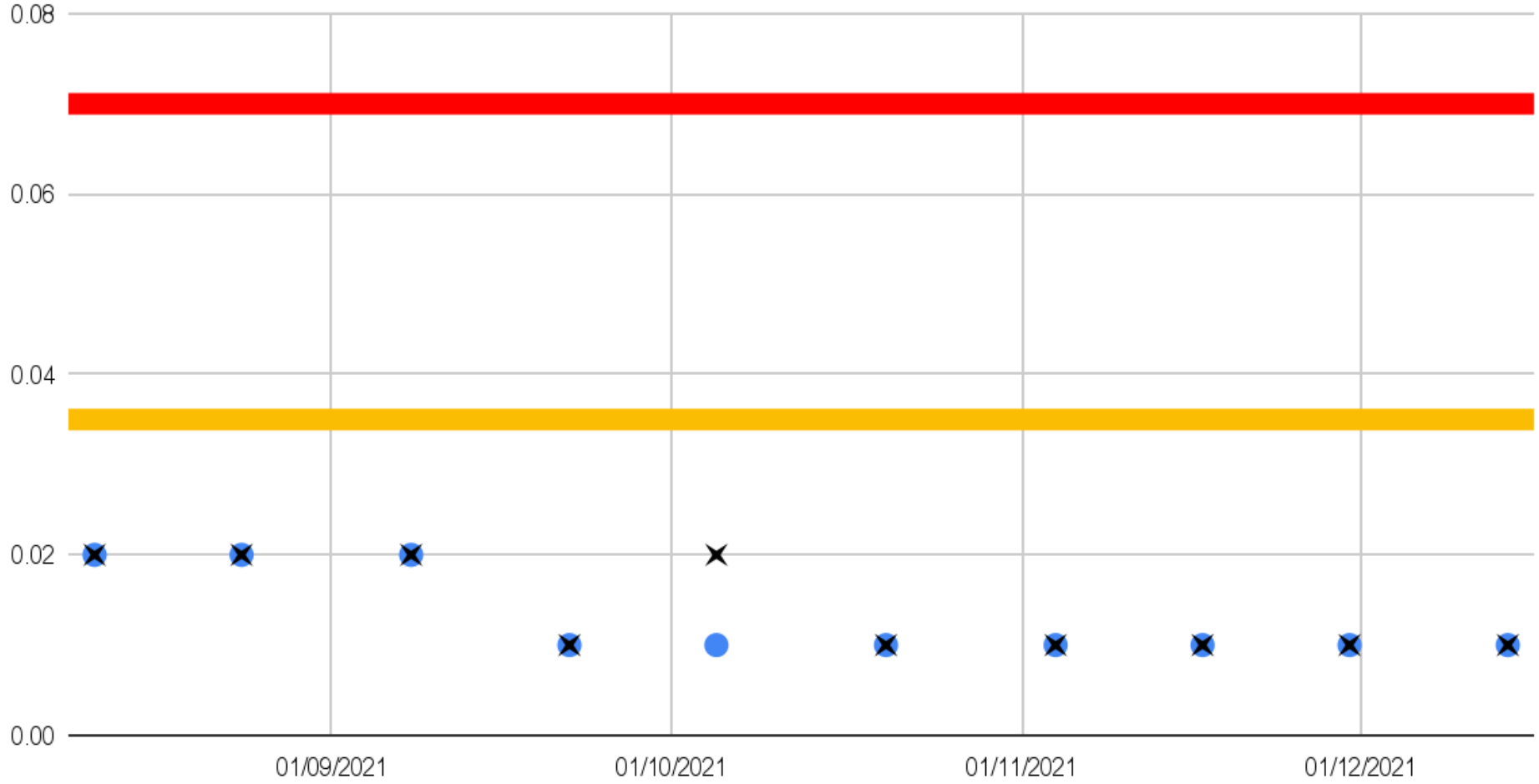




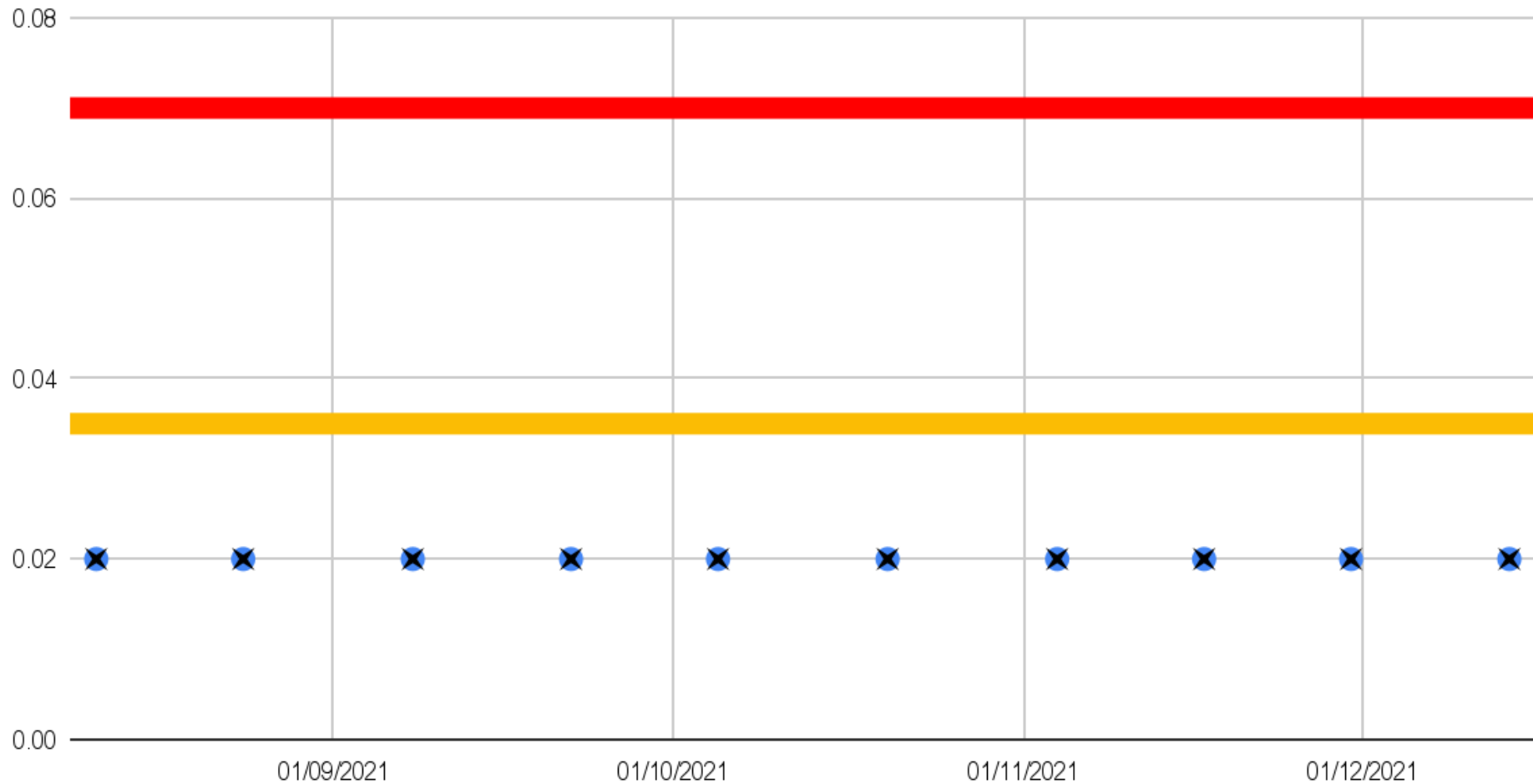
● Penshurst Treated Water Tank PFOA ( $\mu\text{g/L}$ )    ✕ Penshurst Hydrants PFOA ( $\mu\text{g/L}$ )    PFOA + PFOS 0.07  $\mu\text{g/L}$     ■ Limit  
PFOA 0.035  $\mu\text{g/L}$     ■ Target



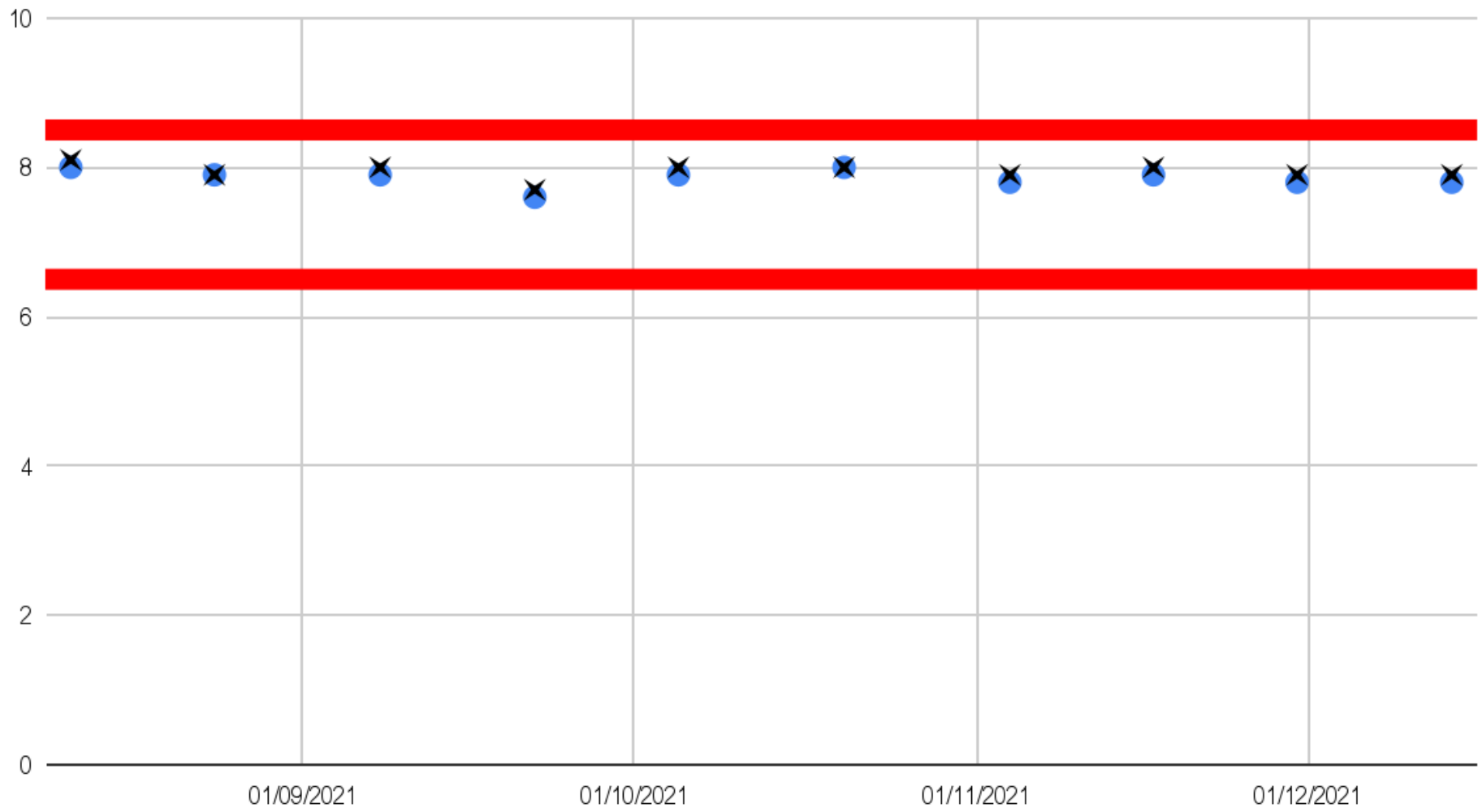
● Penshurst Treated Water Tank PFOS ( $\mu\text{g/L}$ )    ✕ Penshurst Hydrants PFOS ( $\mu\text{g/L}$ )    PFOA + PFOS 0.07  $\mu\text{g/L}$     — Limit  
PFOS 0.035  $\mu\text{g/L}$     — Target



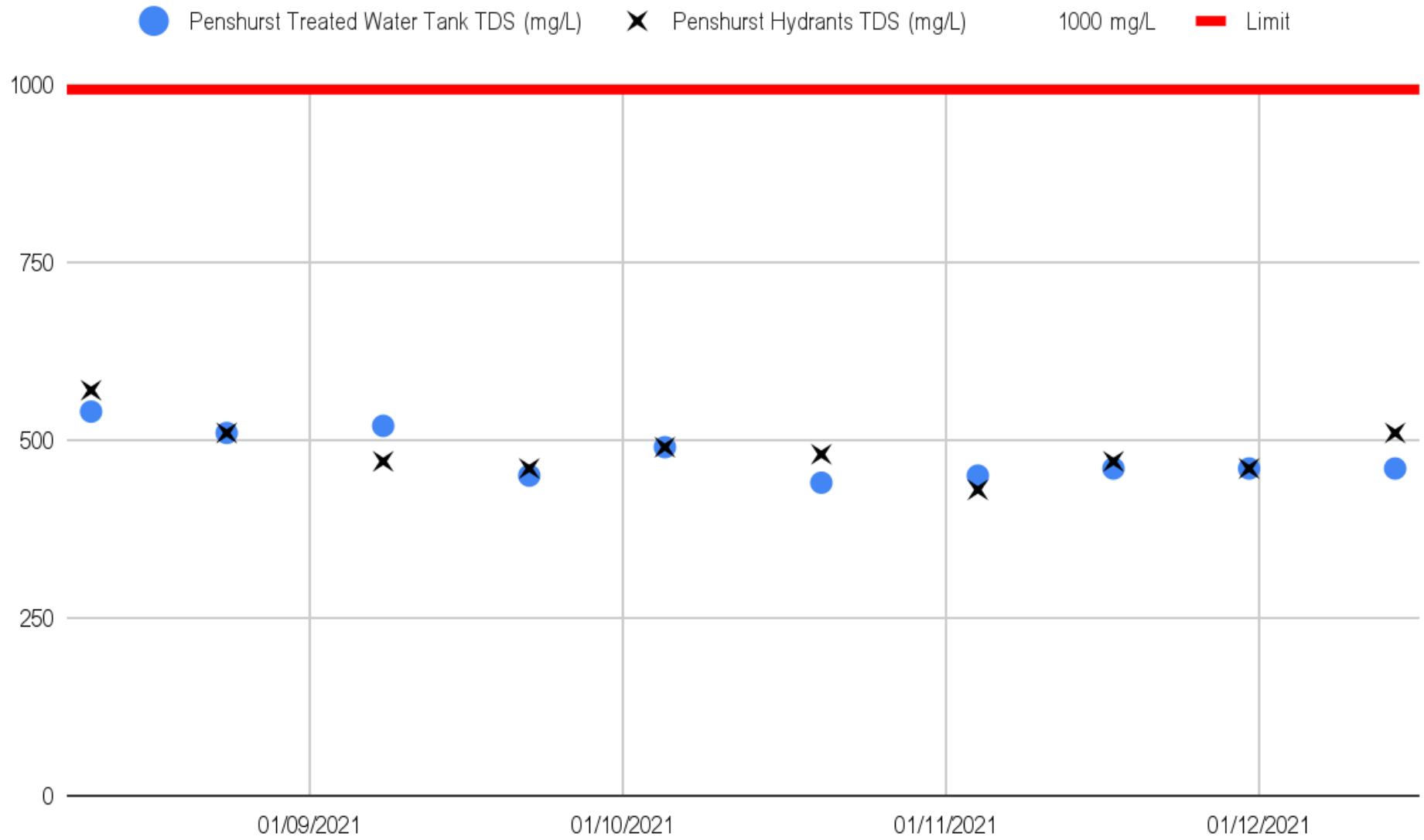
● Peshurst Treated Water Tank PFHxS ( $\mu\text{g/L}$ )    ✕ Peshurst Hydrants PFHxS ( $\mu\text{g/L}$ )    PFOS + PFHxS  $\mu\text{g/L}$     ■ Limit  
PFHxS  $\mu\text{g/L}$     ■ Target

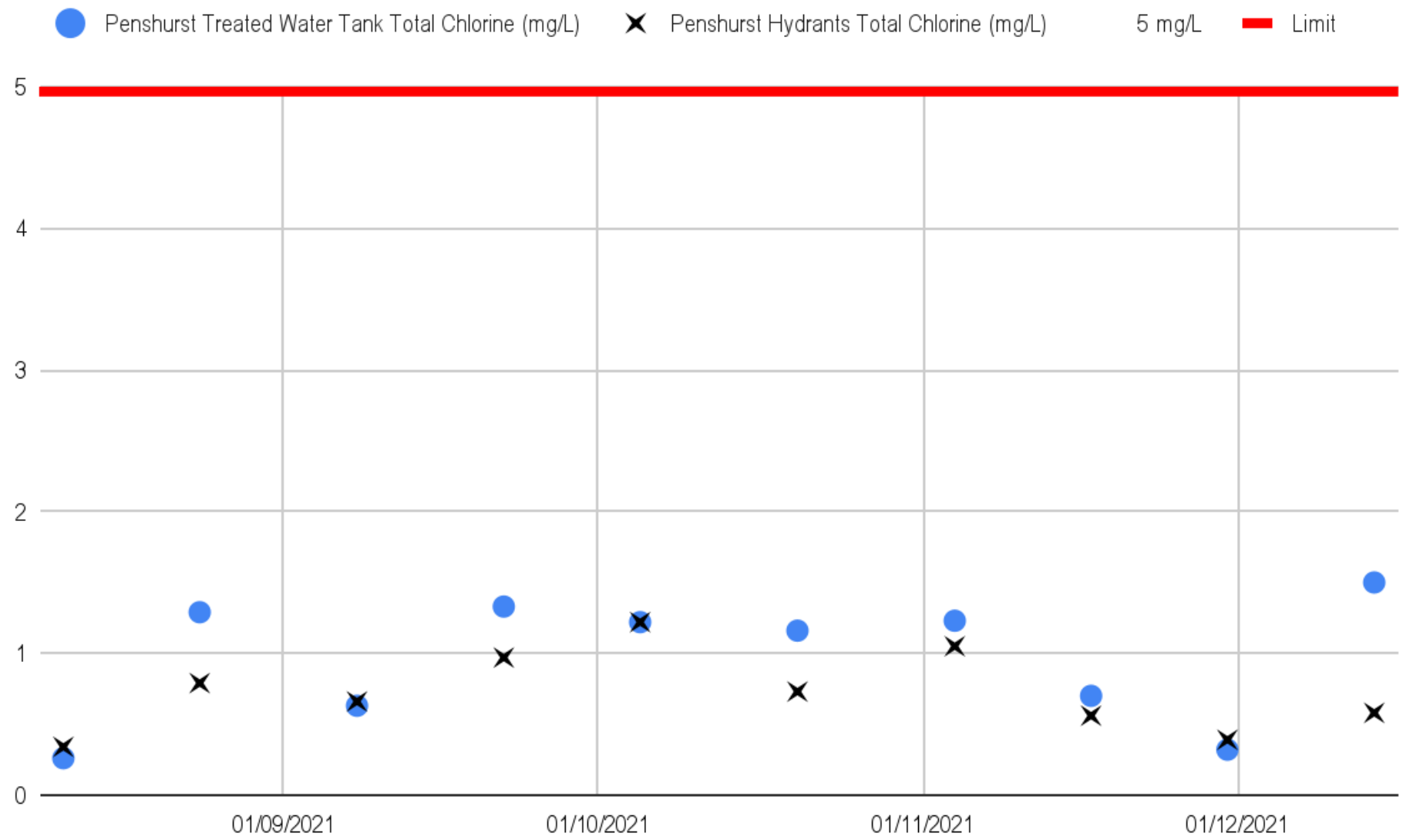


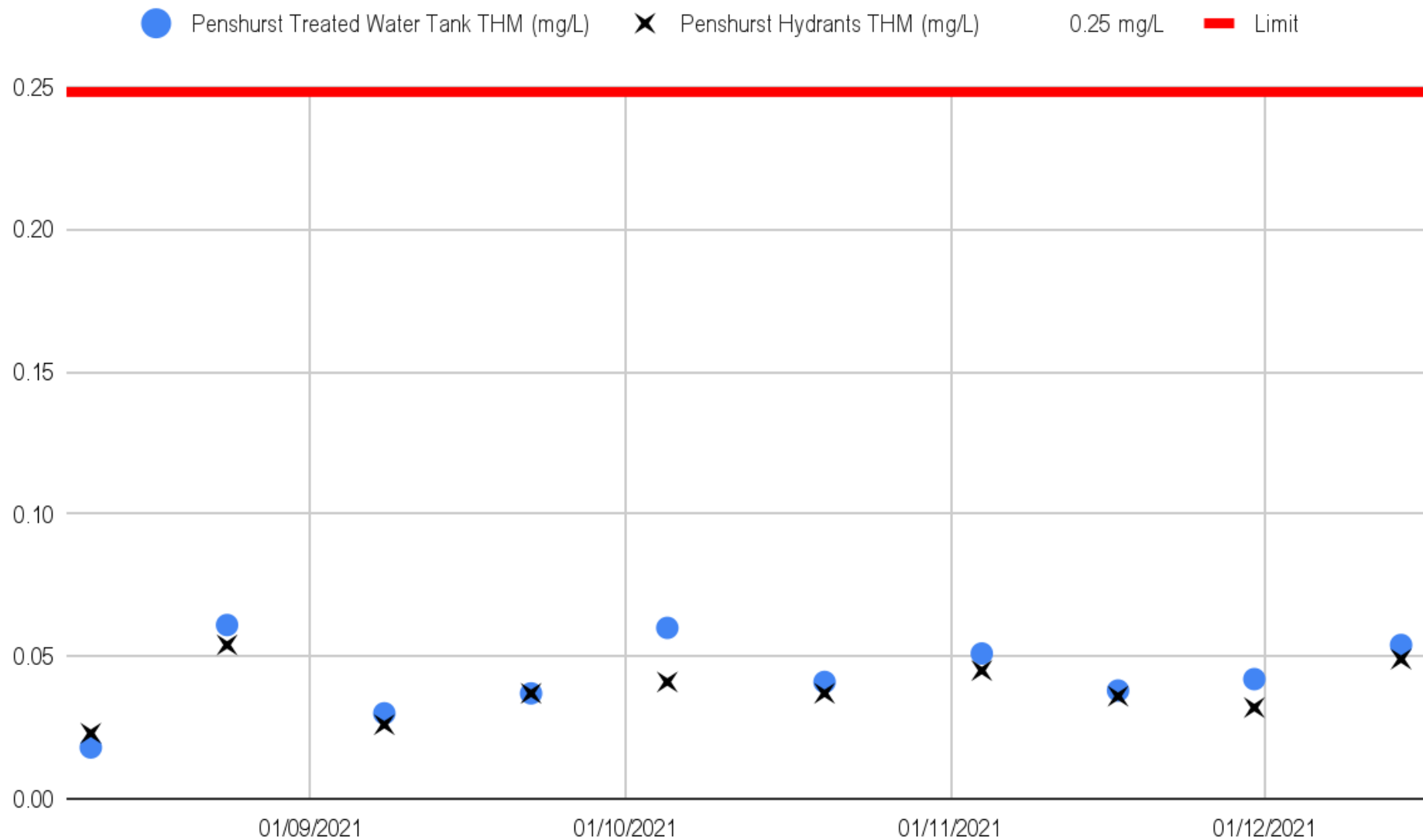
● Penshurst Treated Water Tank pH (-)    ✕ Penshurst Hydrants pH (-)    6.5    Limit    8.5    Limit

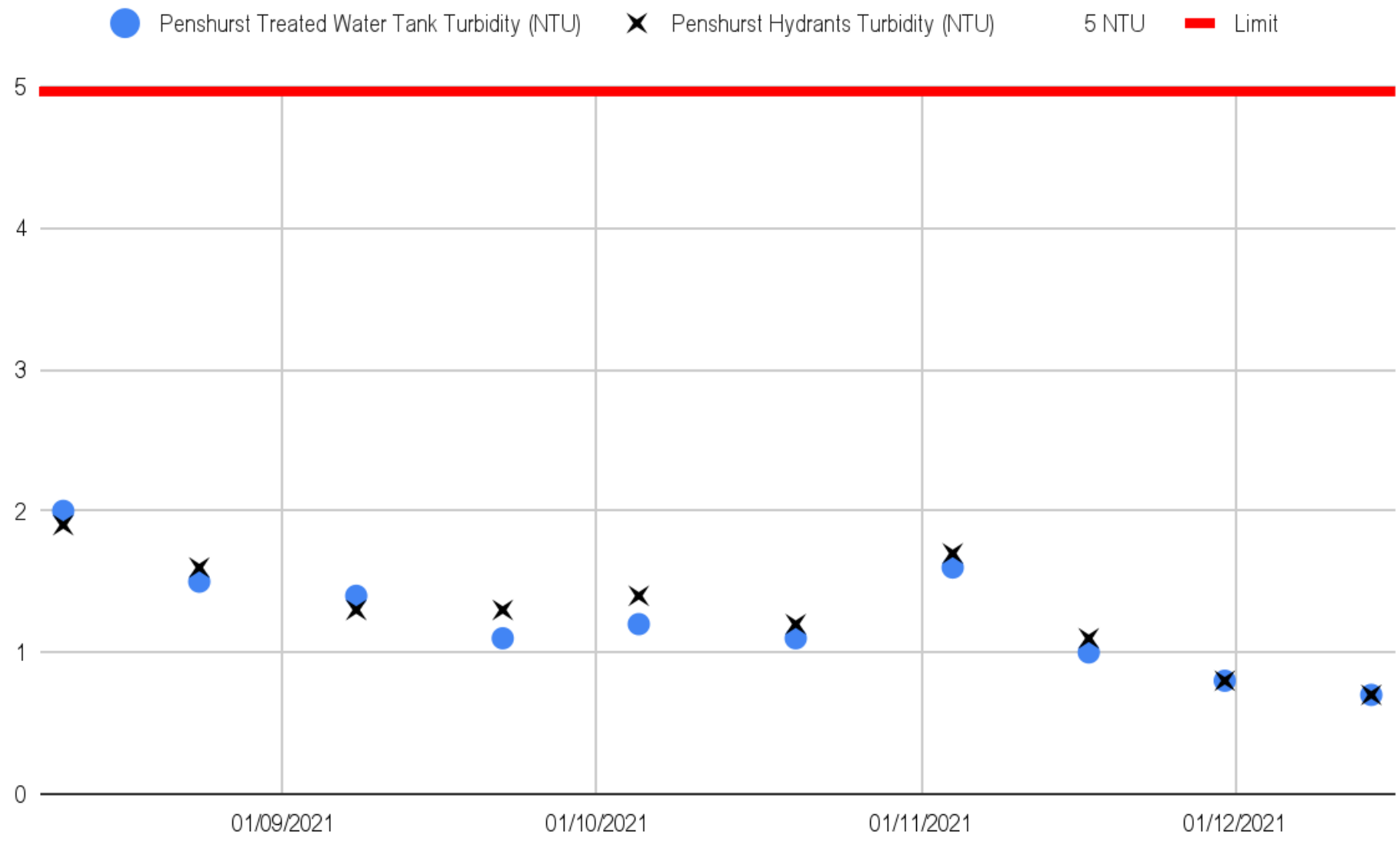




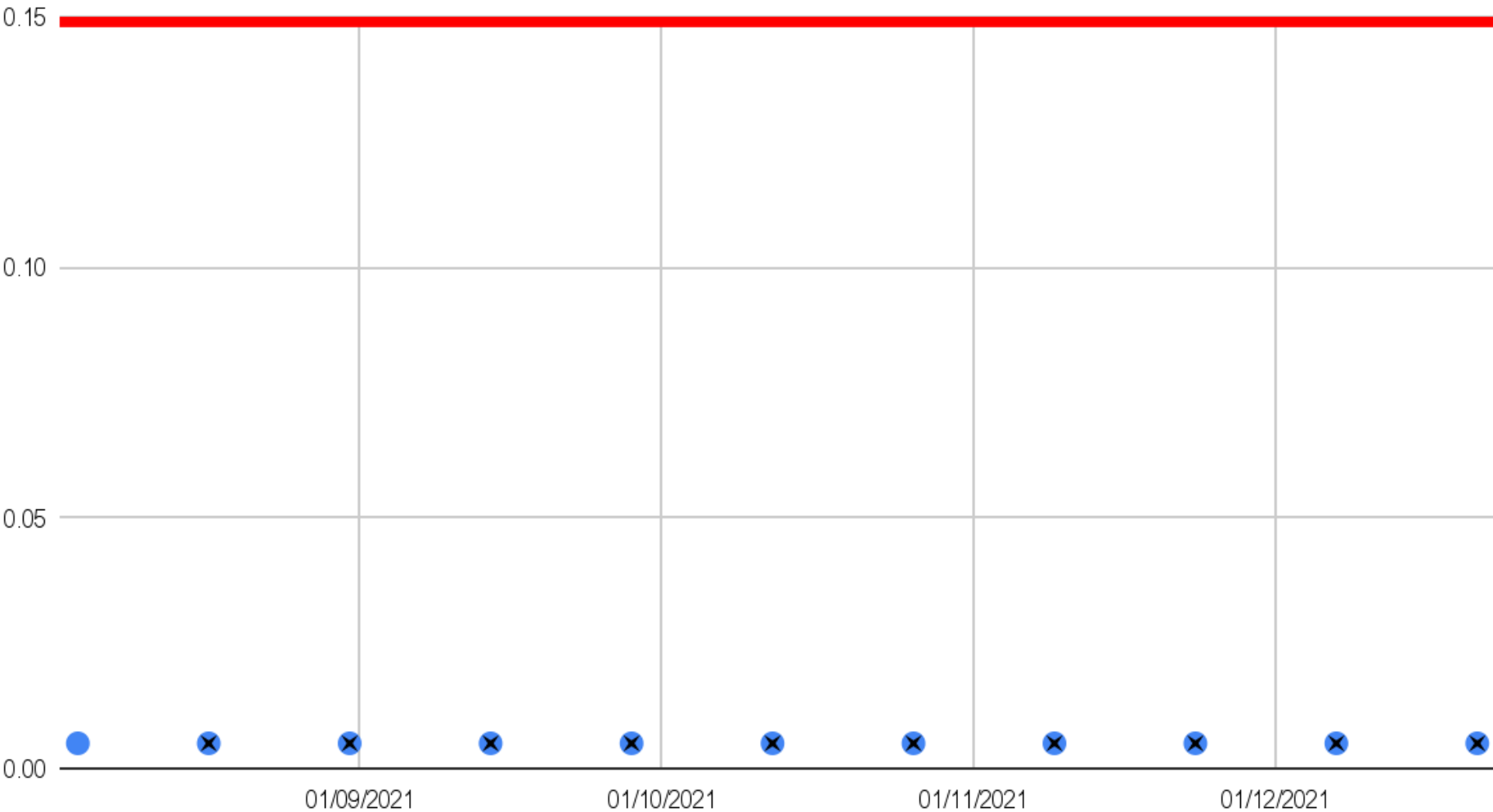


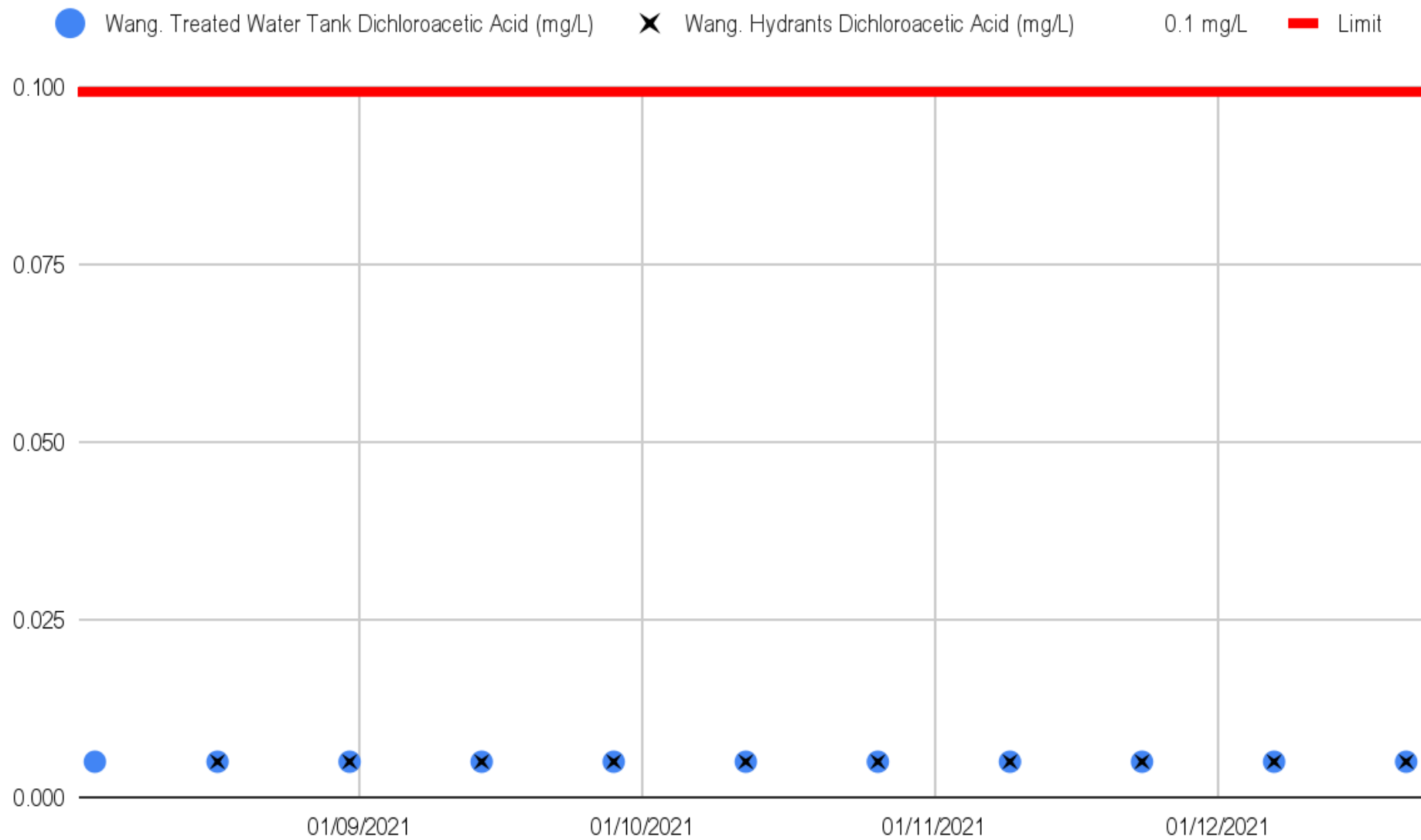


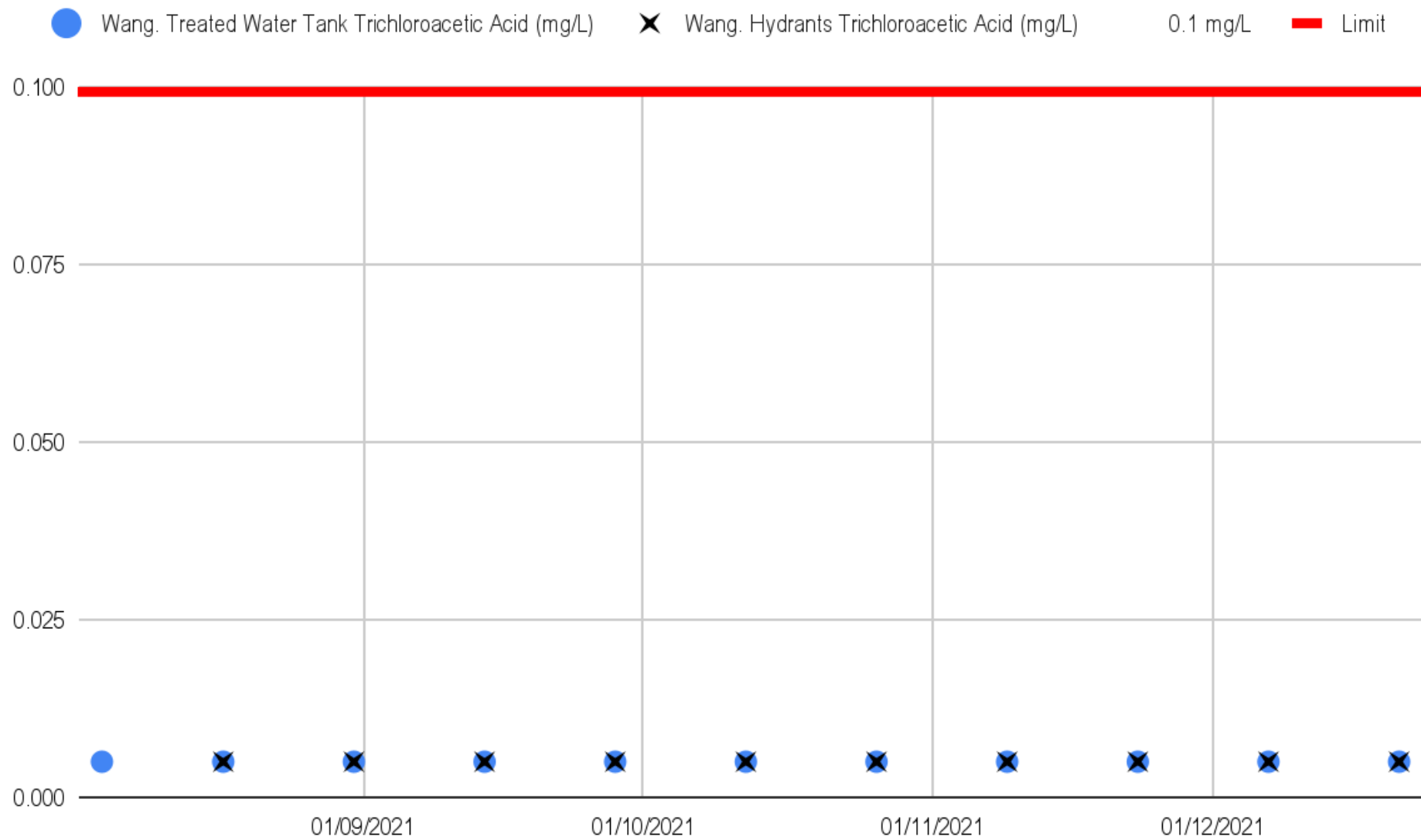




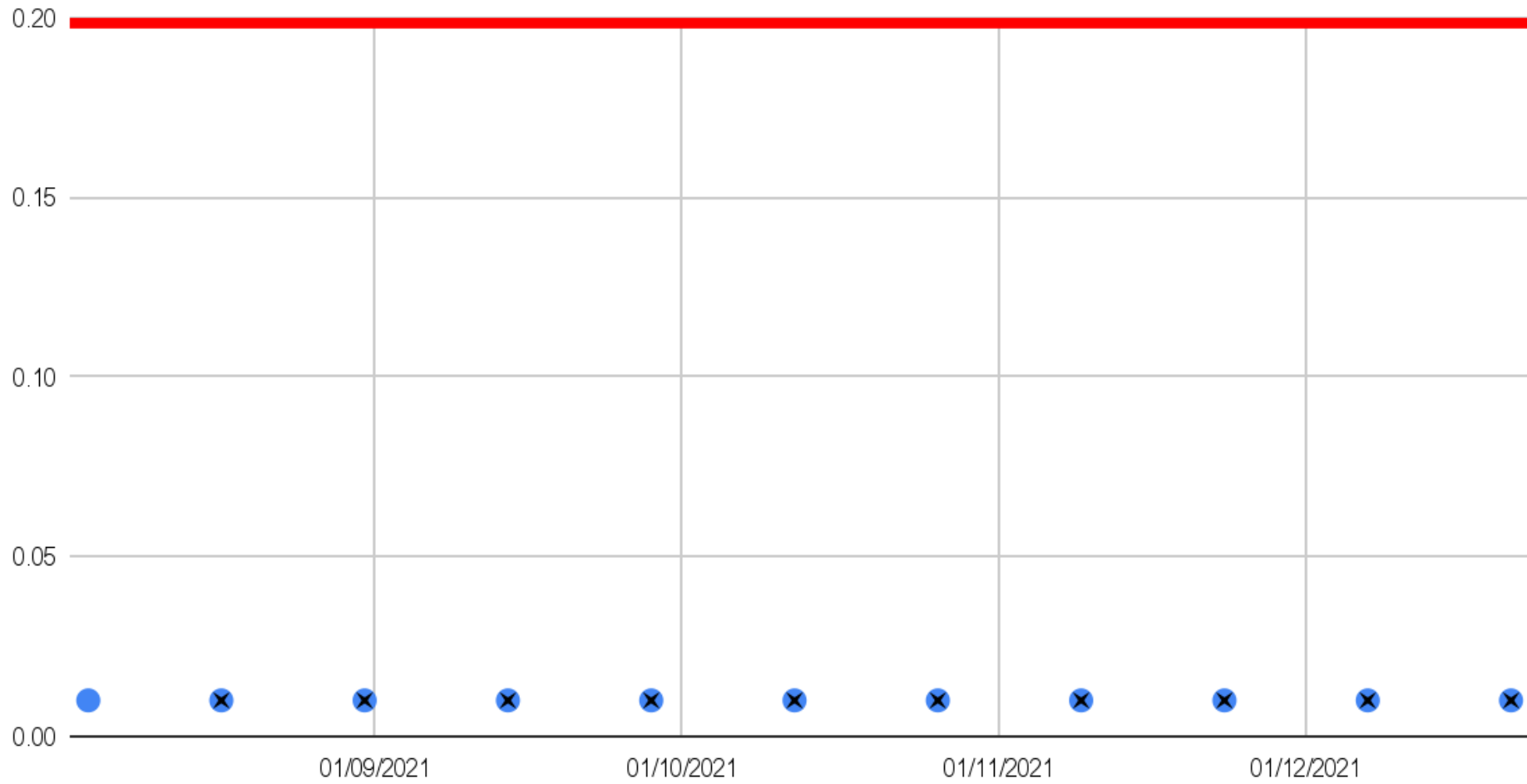
● Wang. Treated Water Tank Chloroacetic Acid (mg/L)    ✕ Wang. Hydrants Chloroacetic Acid (mg/L)    0.15 mg/L    — Limit



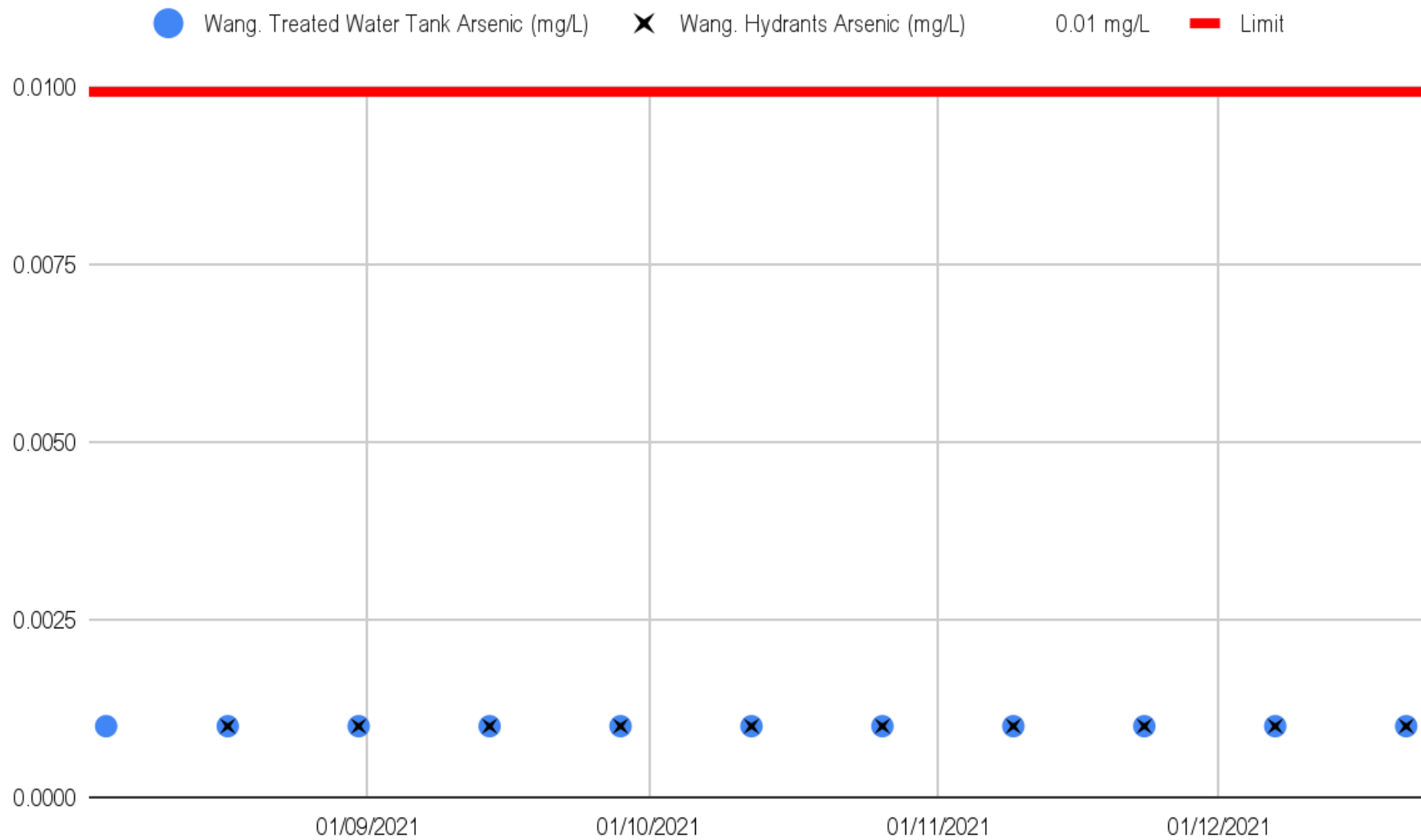




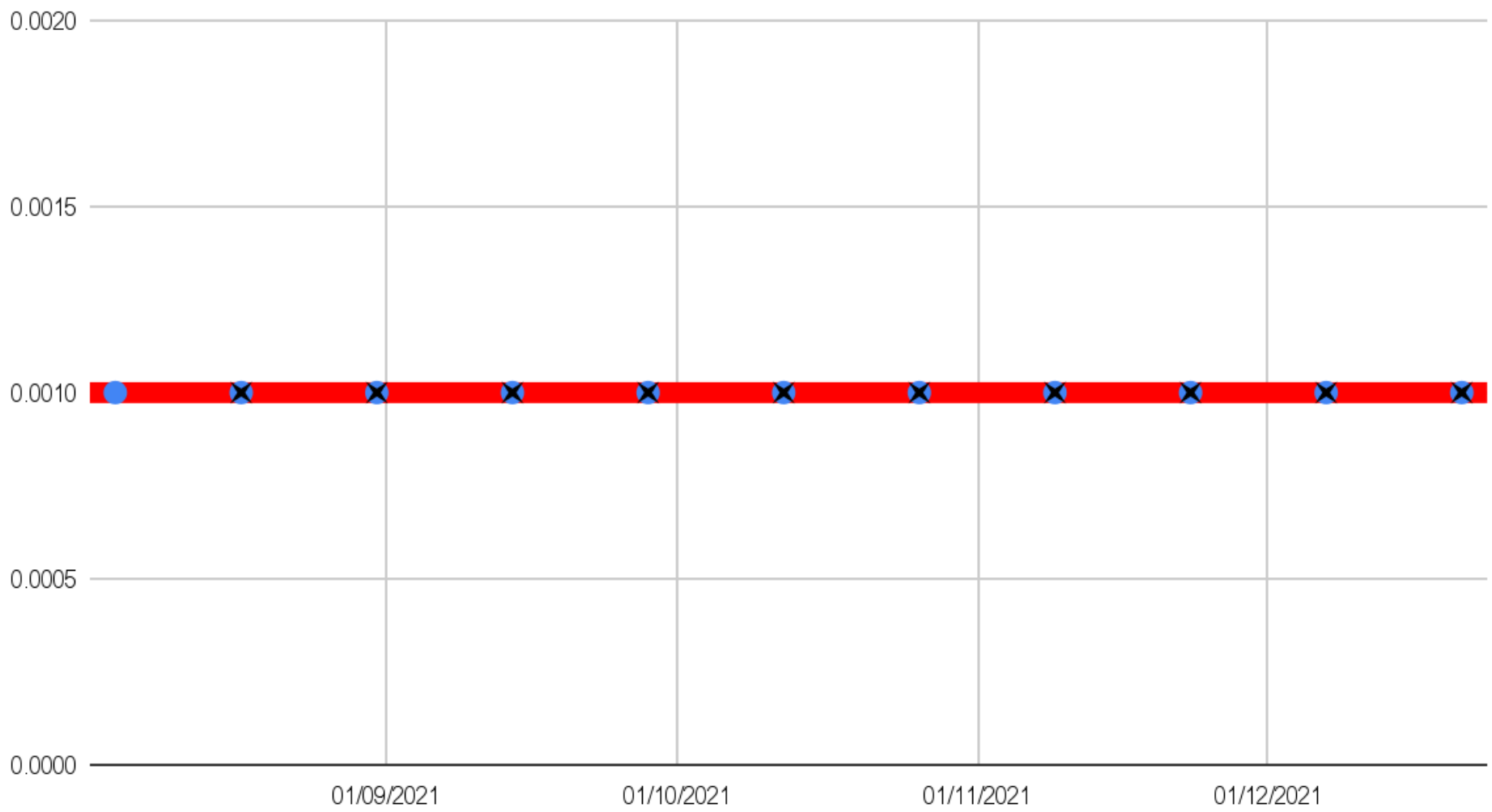
● Wang. Treated Water Tank Acid Soluble Aluminium (mg/L)    ✕ Wang. Hydrants Acid Soluble Aluminium (mg/L)    0.2 mg/L  
— Limit

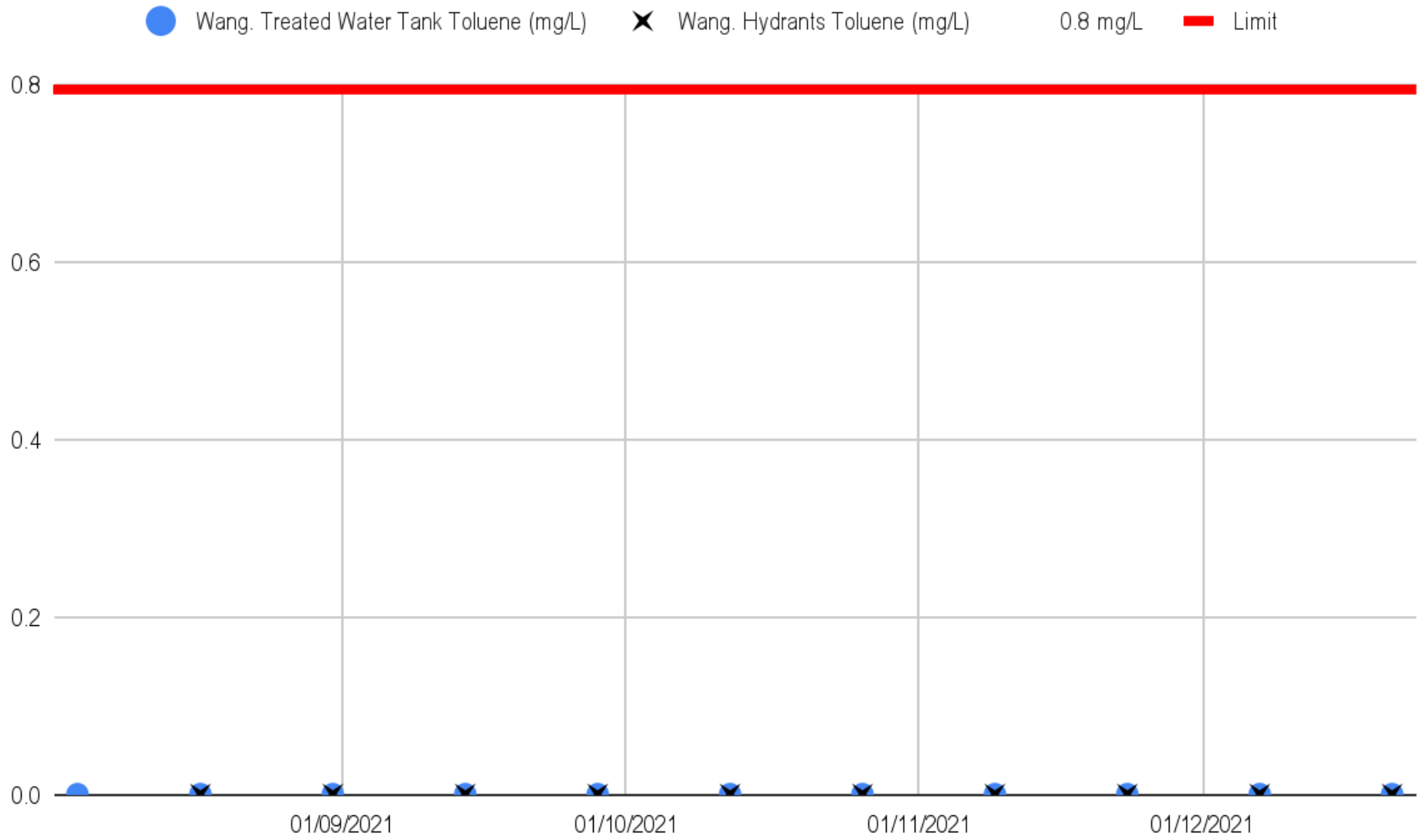


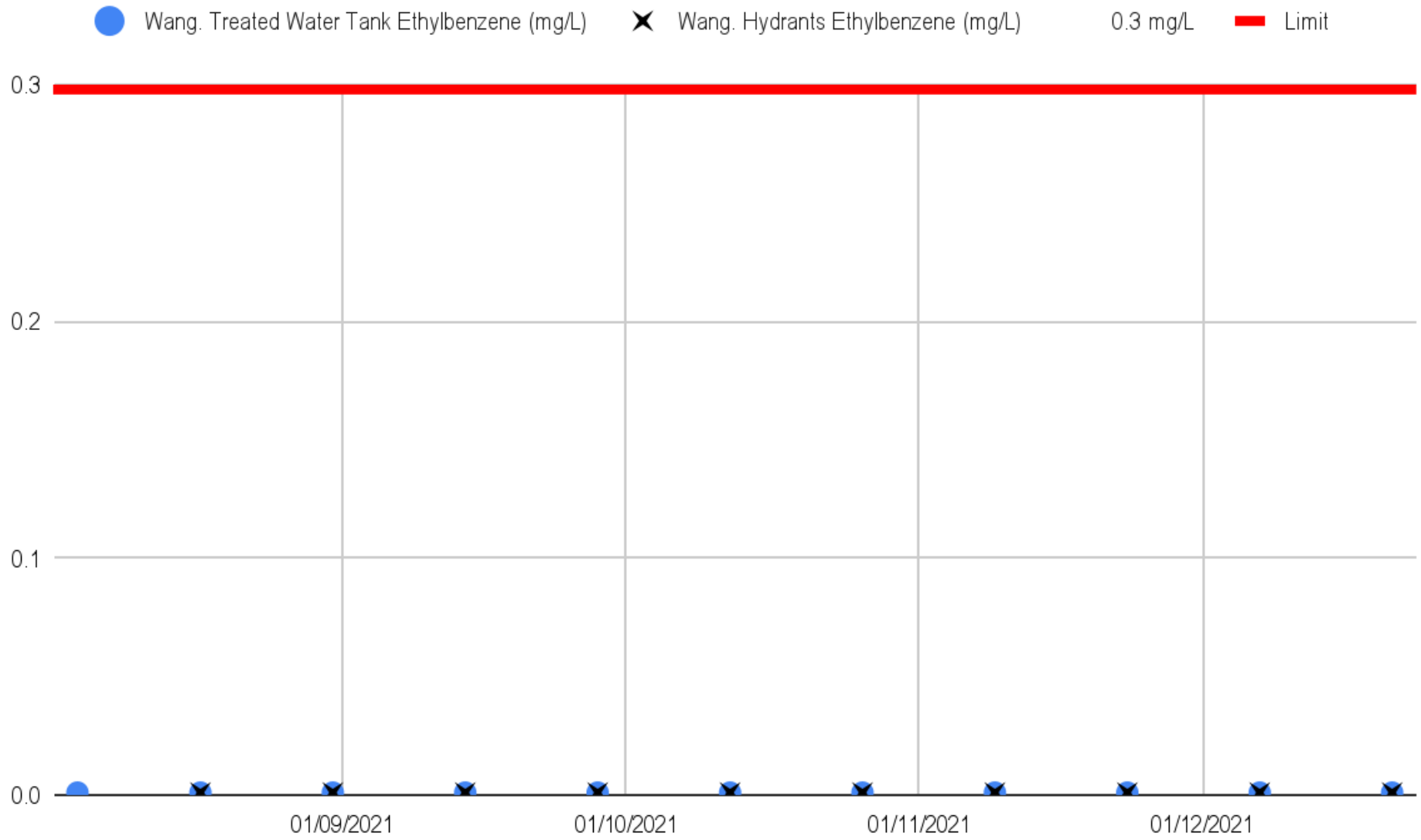


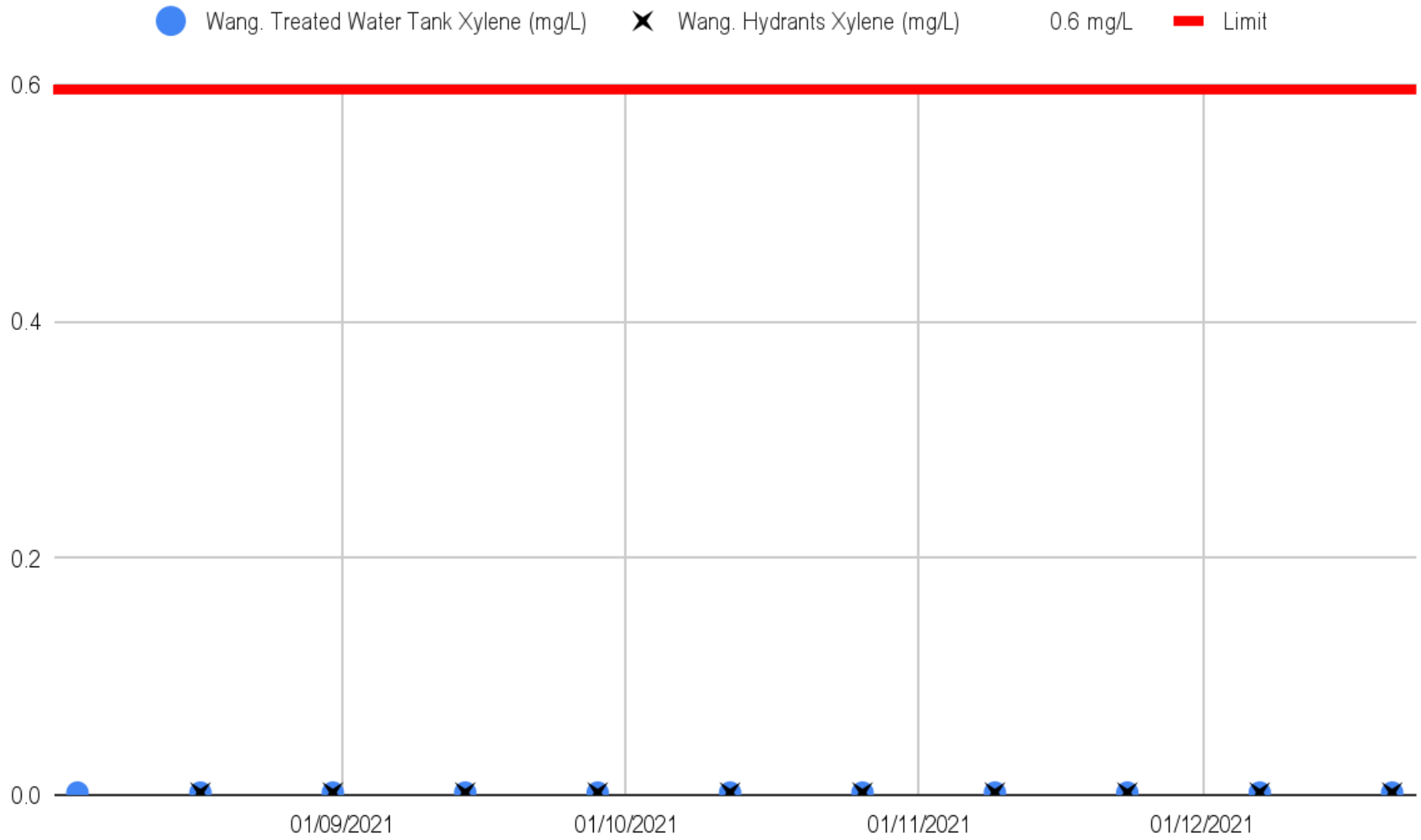


● Wang. Treated Water Tank Benzene (mg/L)    ✕ Wang. Hydrants Benzene (mg/L)    0.001 mg/L    — Limit

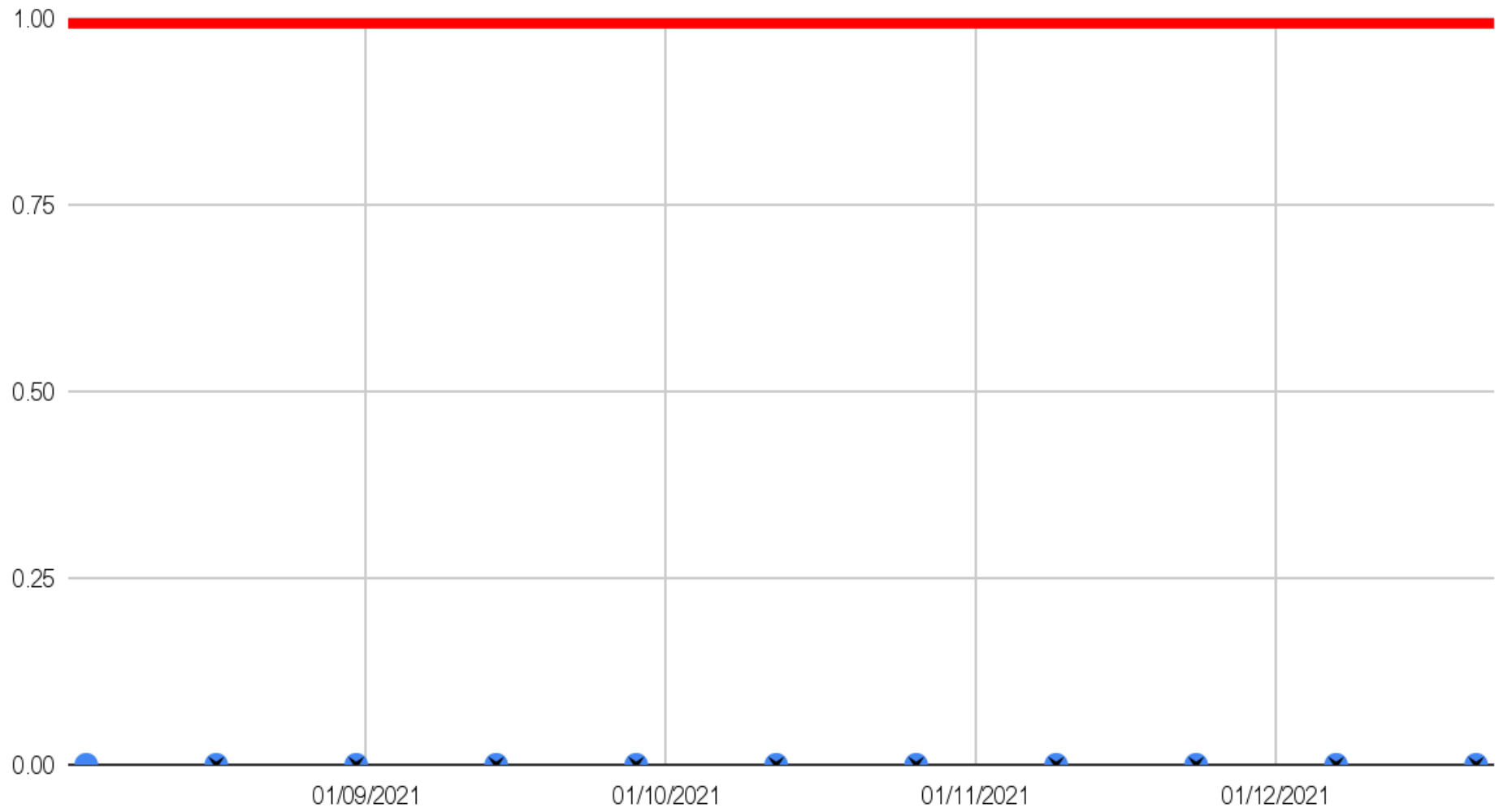




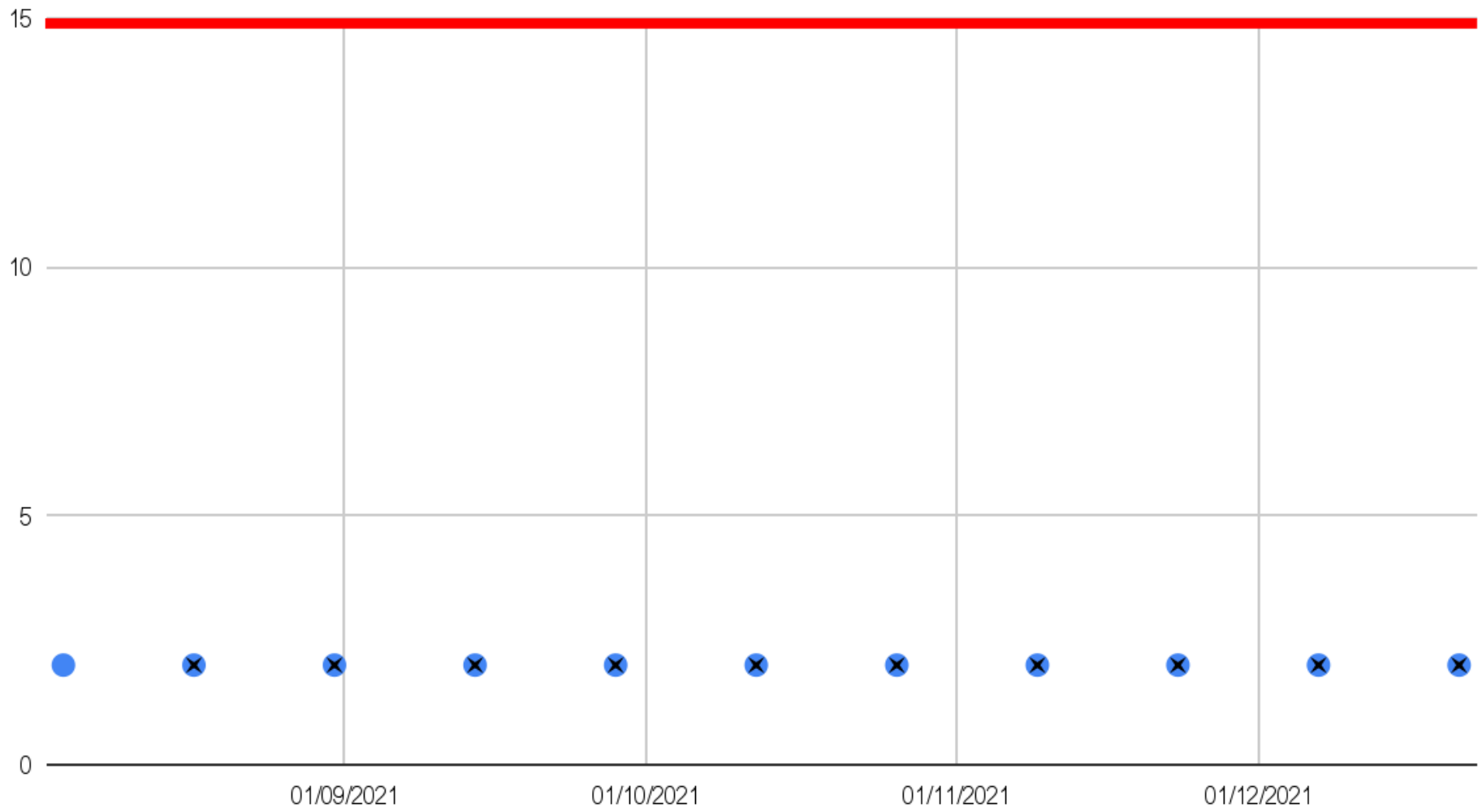


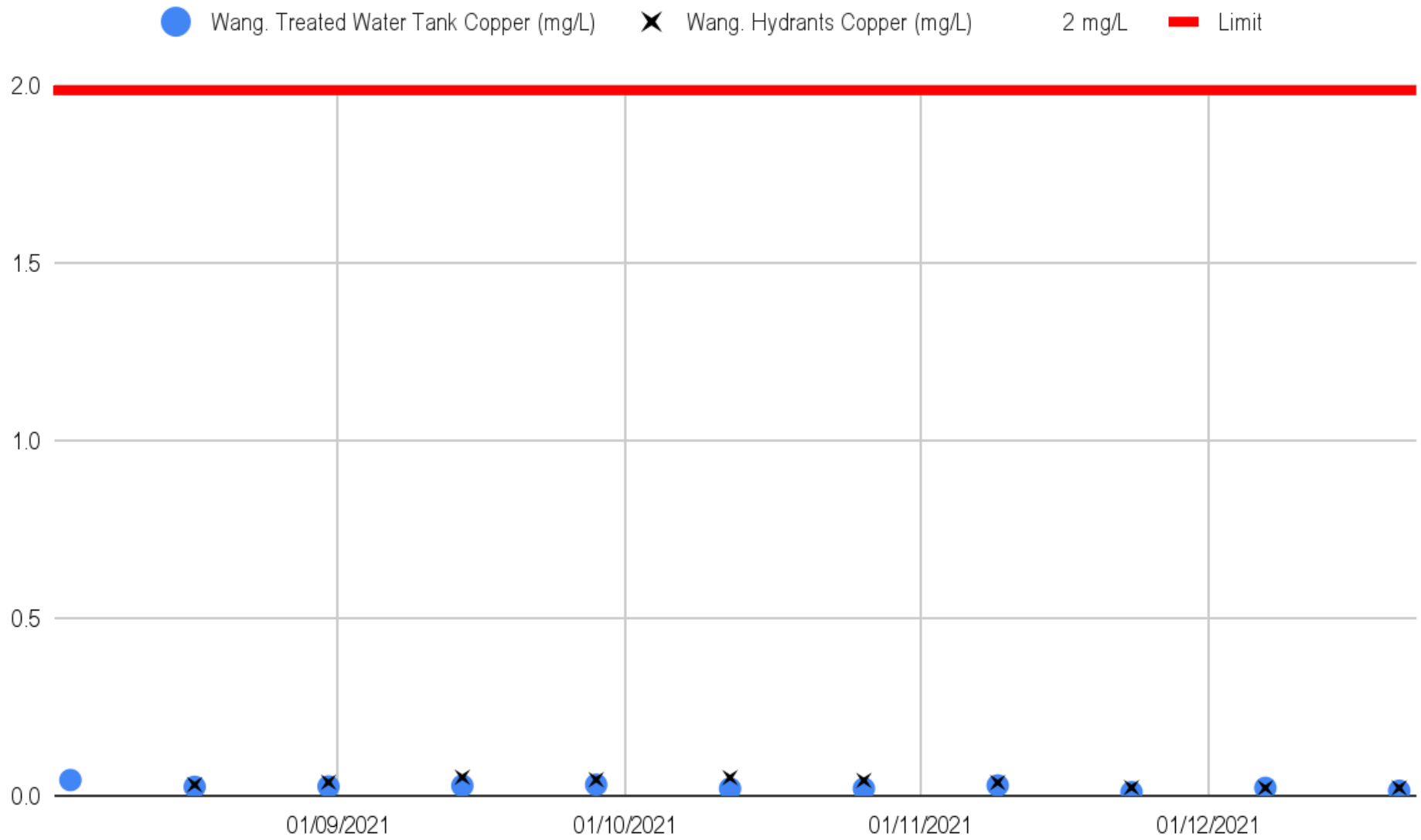


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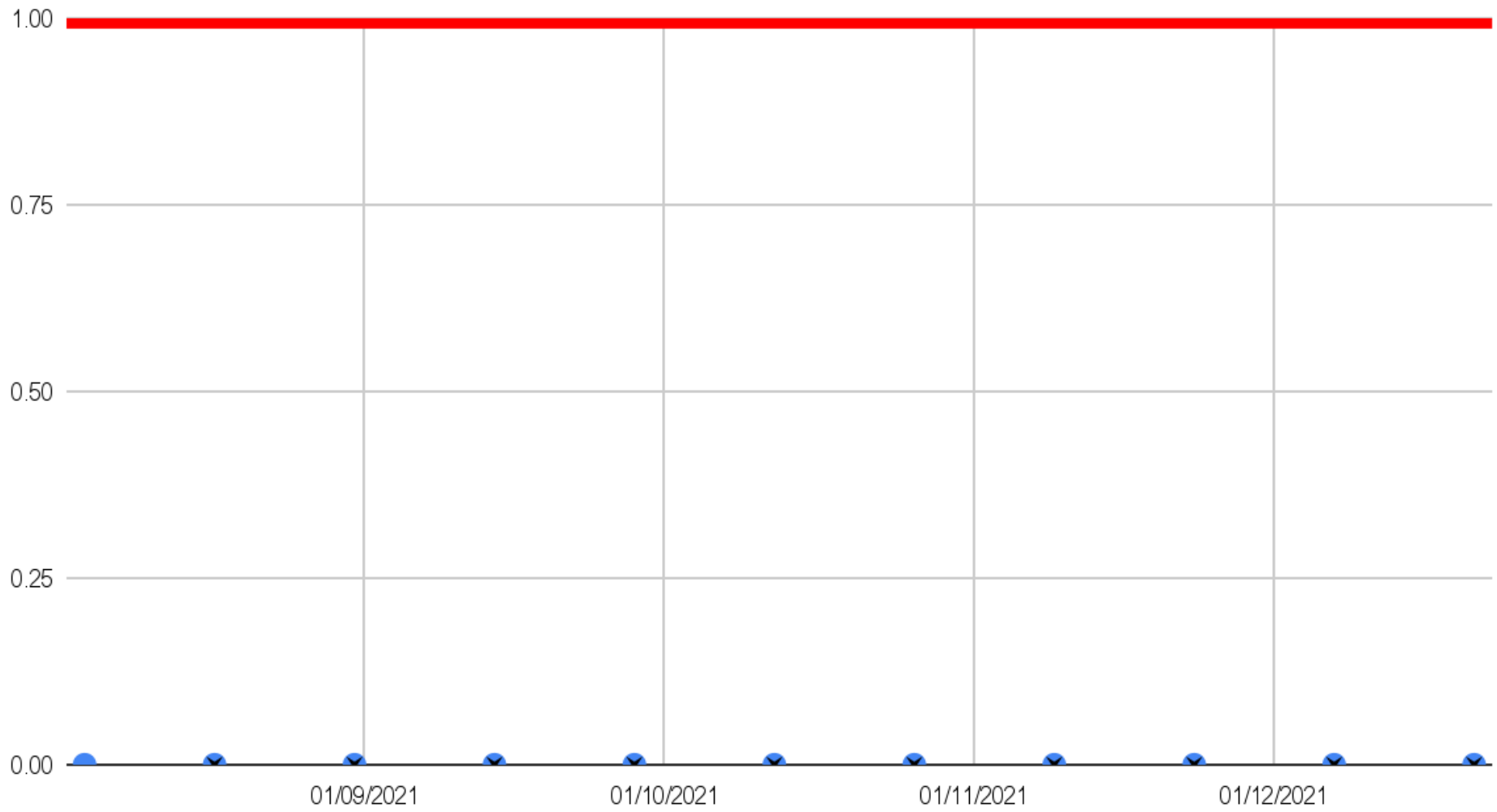
● Wang. Treated Water Tank Colour (Pt/Co)    ✕ Wang. Hydrants Colour (Pt/Co)    15 Pt/Co    — Limit

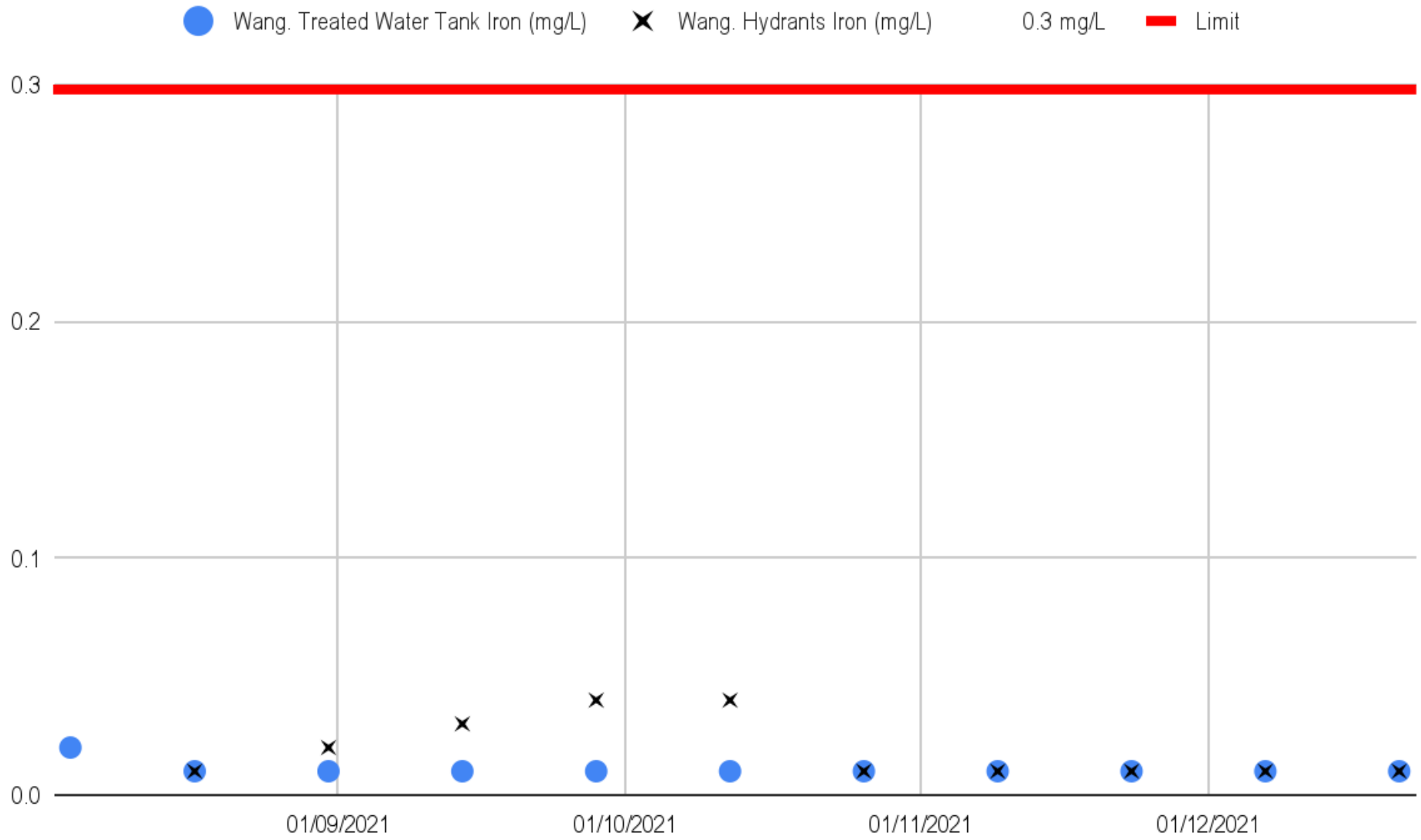




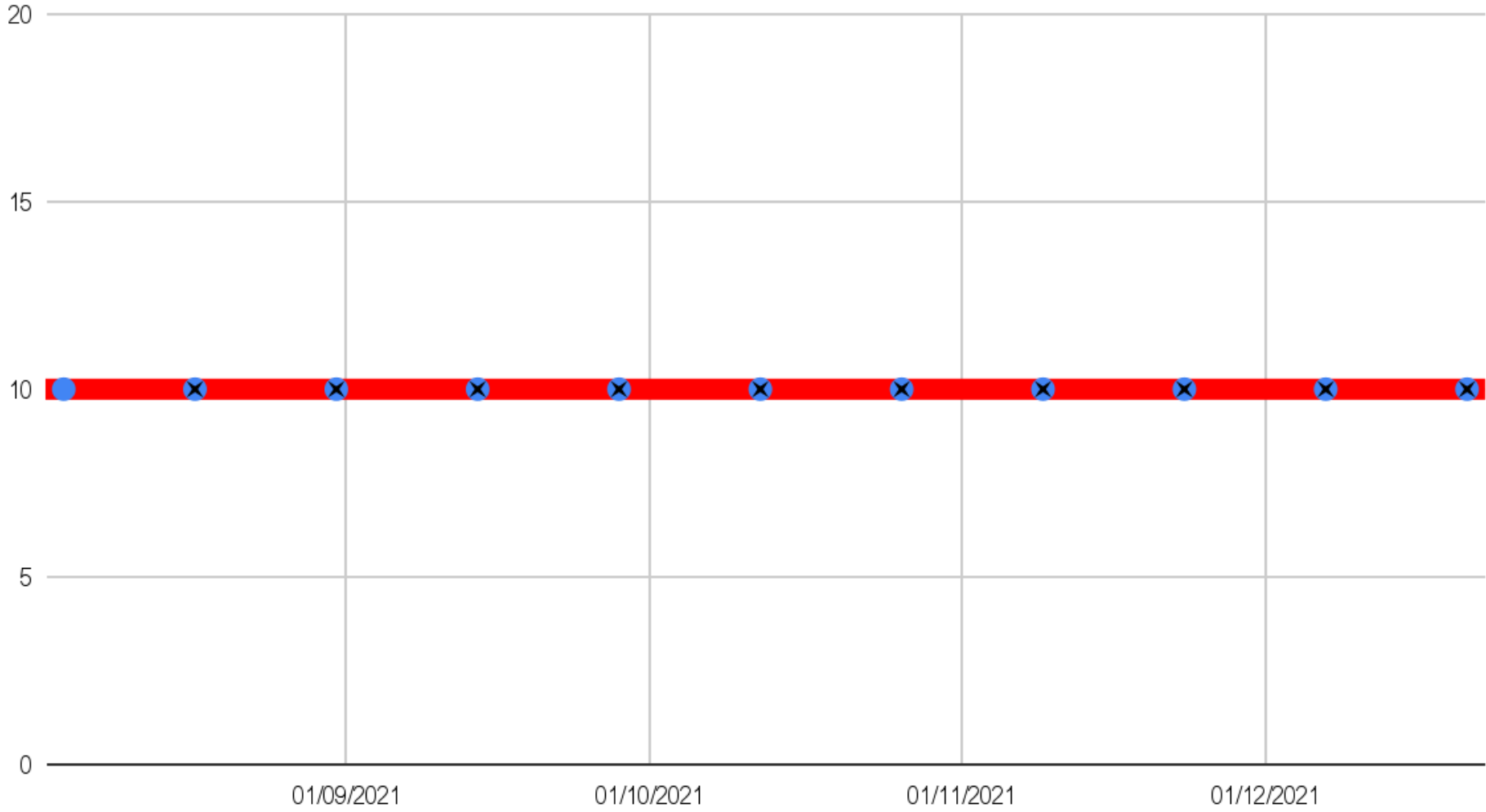


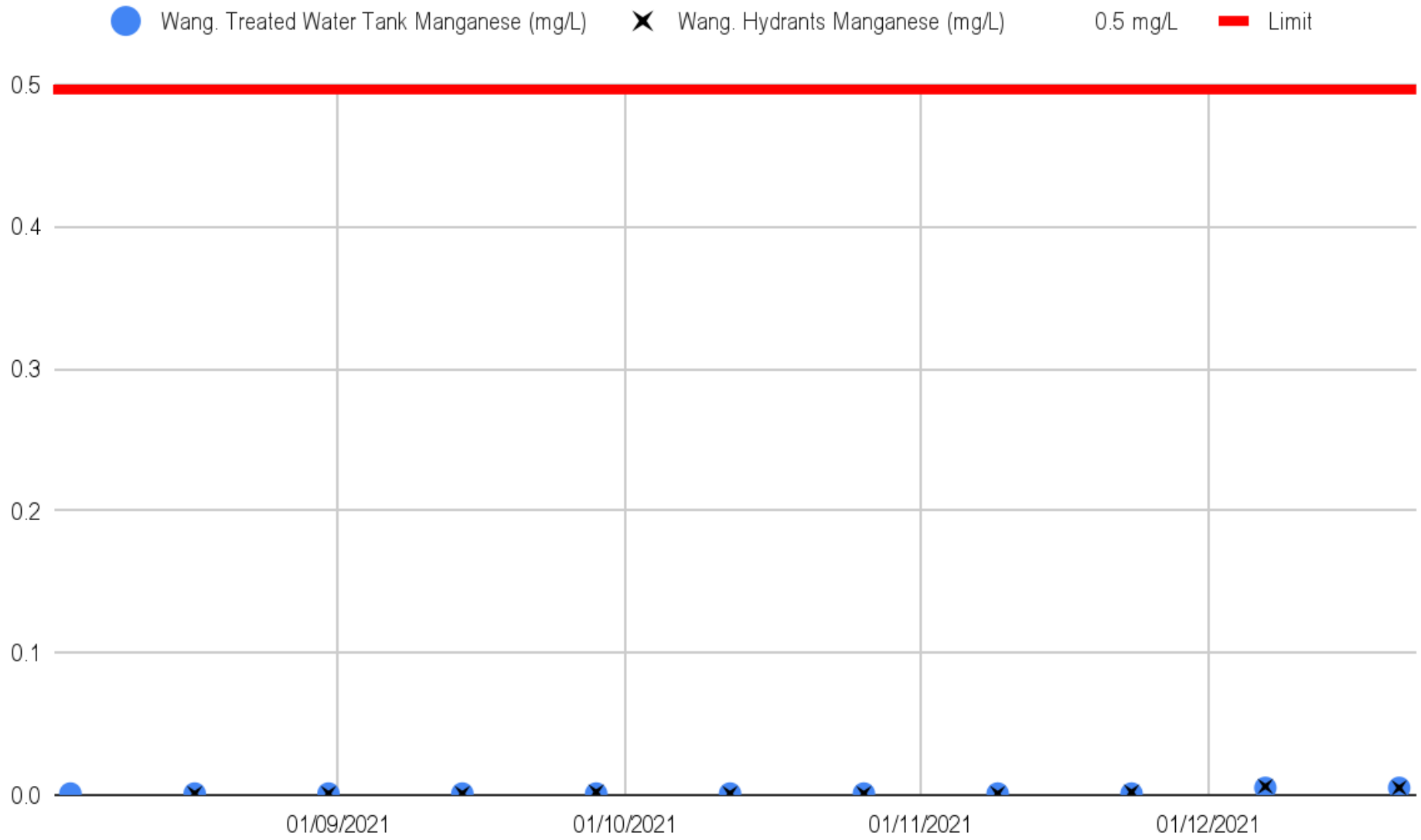
● Wang. Treated Water Tank E.coli (CFU/100mL)    ✕ Wang. Hydrants E.coli (CFU/100mL)    1 cfu/100mL    — Limit



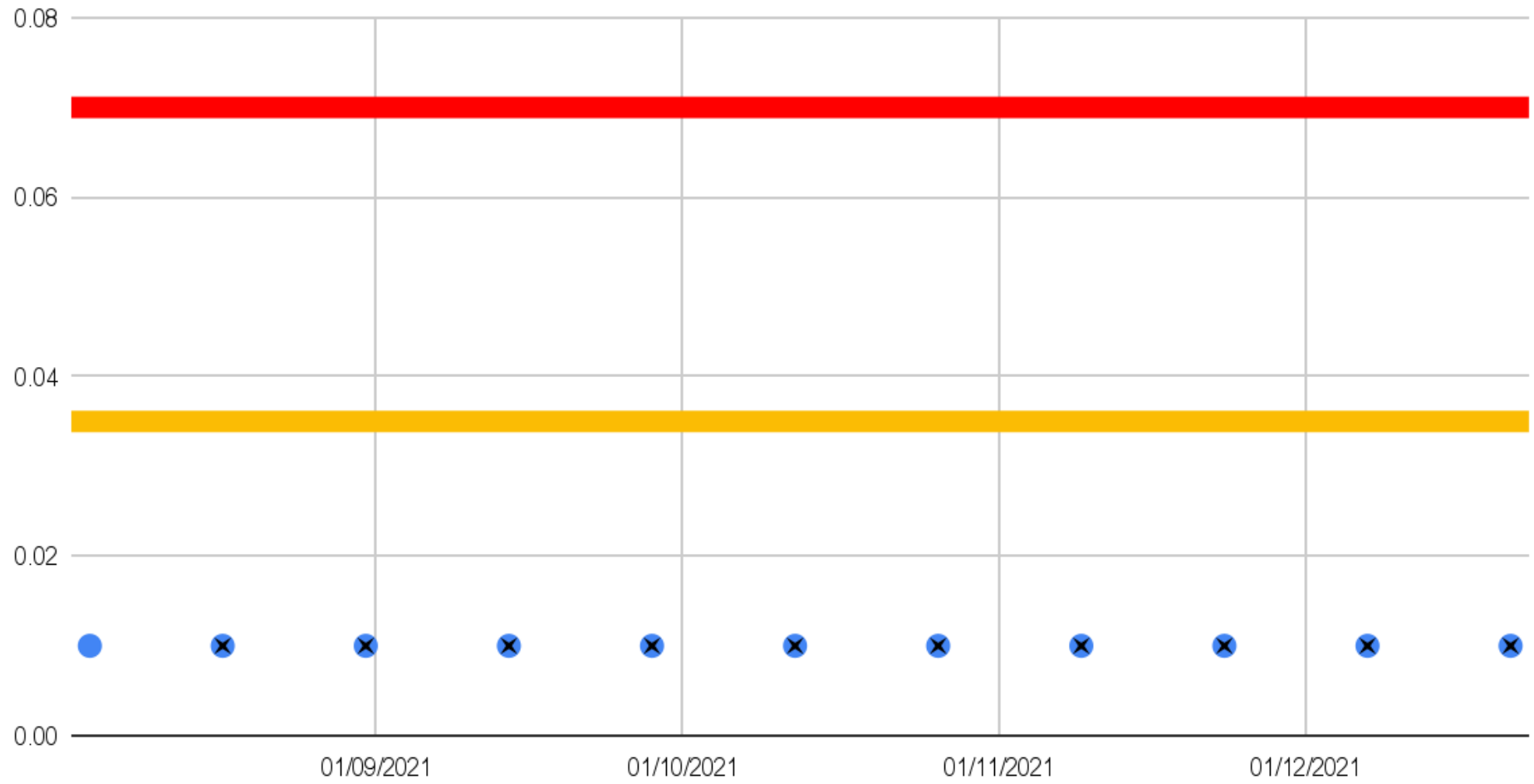


● Wang. Treated Water Tank Legionella spp (CFU/mL)    ✕ Wang. Hydrants Legionella spp (CFU/mL)    10 cfu/mL    ■ Limit

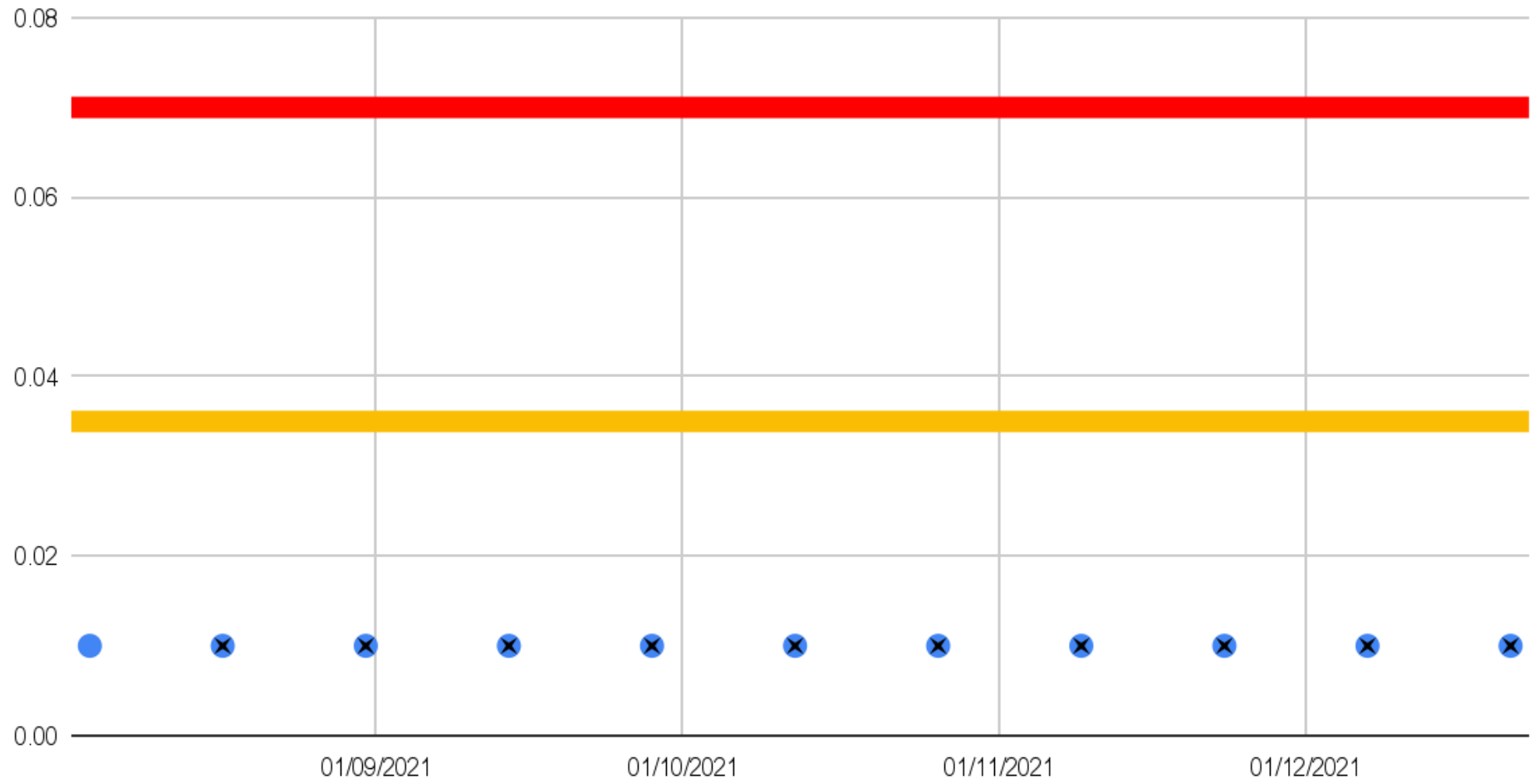




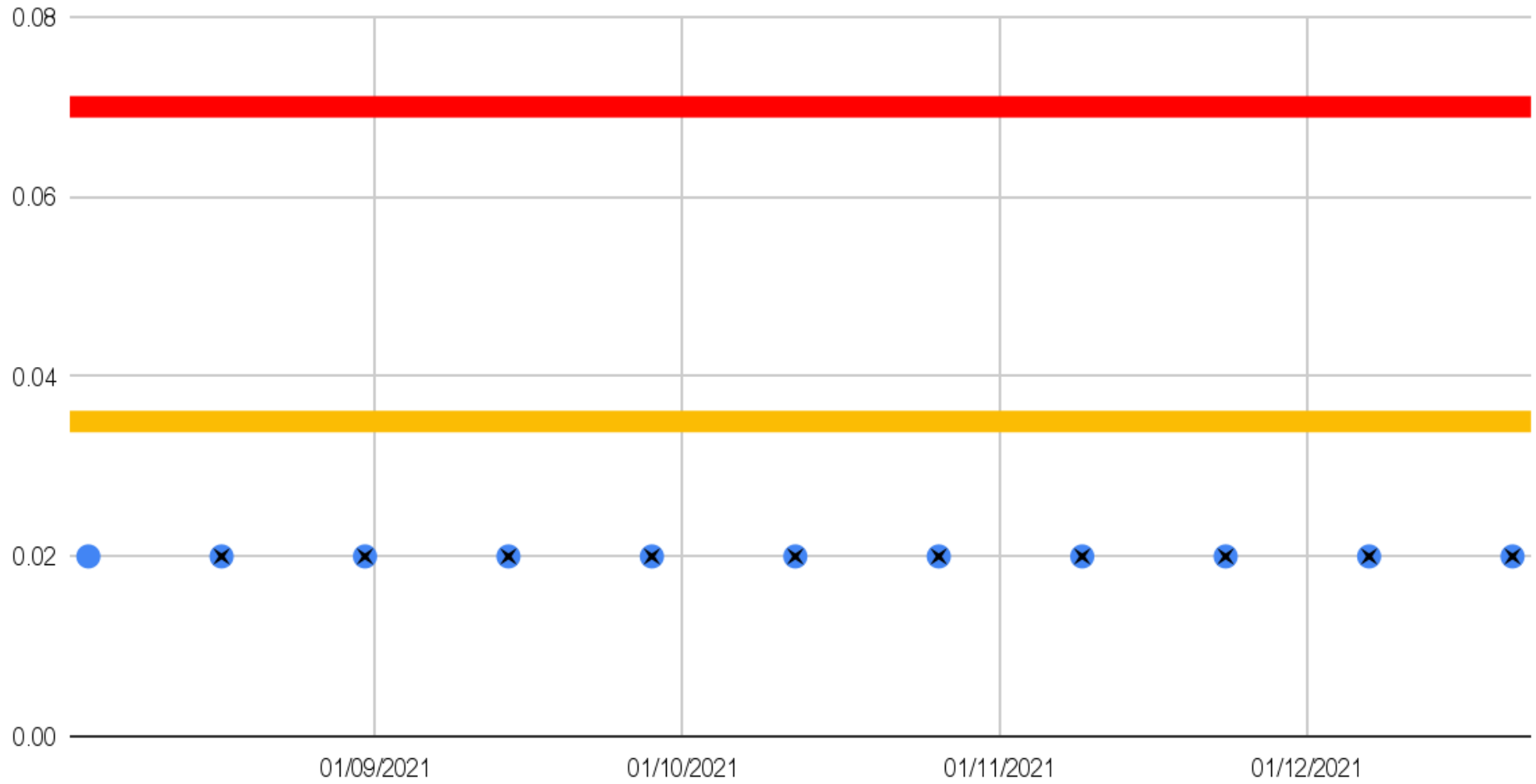
● Wang. Treated Water Tank PFOA ( $\mu\text{g/L}$ )    ✕ Wang. Hydrants PFOA ( $\mu\text{g/L}$ )    PFOA + PFOS 0.07  $\mu\text{g/L}$     ■ Limit  
PFOA 0.035  $\mu\text{g/L}$     ■ Target



● Wang. Treated Water Tank PFOS ( $\mu\text{g/L}$ )    ✕ Wang. Hydrants PFOS ( $\mu\text{g/L}$ )    PFOA + PFOS  $0.07 \mu\text{g/L}$     — Limit  
PFOS  $0.035 \mu\text{g/L}$     — Target



● Wang. Treated Water Tank PFHxS ( $\mu\text{g/L}$ )    ✕ Wang. Hydrants PFHxS ( $\mu\text{g/L}$ )    PFOS + PFHxS  $\mu\text{g/L}$     — Limit  
PFHxS  $\mu\text{g/L}$     — Target



● Wang. Treated Water Tank pH (-)    ✕ Wang. Hydrants pH (-)    6.5    Limit    8.5    Limit

