

CFA VEMTC WMS

Quarterly Performance Report

Calendar Quarter Two 2025 - 01/04/2025 - 30/06/2025

I. Report Issue Date - 11/07/2025

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.

WTP1 - Penshurst Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
02/04/2025	All results within Specification	All Hydrants within Specification
16/04/2025	All results within Specification	All Hydrants within Specification
29/04/2025	All results within Specification	All Hydrants within Specification
13/05/2025	All results within Specification	All Hydrants within Specification
27/05/2025	All results within Specification	All Hydrants within Specification
11/06/2025	All results within Specification	All Hydrants within Specification
23/06/2025	All results within Specification	All Hydrants within Specification

WTP1 - Penshurst Results Discussion

Treated water tank outlet and all hydrants were within Specification.

Training sessions were conducted using APWS water due to insufficient raw water supply for processing through the Water Management System during most of that quarter. On 26/06/2025, Penshurst operations resumed using the Treated Water tank.

WTP2 - Wangaratta Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
07/04/2025	All results within Specification	All Hydrants within Specification
22/04/2025	All results within Specification	All Hydrants within Specification
06/05/2025	All results within Specification	All Hydrants within Specification
19/05/2025	All results within Specification	All Hydrants within Specification
05/06/2025	All results within Specification	All Hydrants within Specification
16/06/2025	All results within Specification	All Hydrants within Specification
30/06/2025	All results within Specification	All Hydrants within Specification

WTP2 - Wangaratta Results Discussion

Treated water tank outlet and all hydrants were within Specification.

WTP3 - Sunraysia Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
08/04/2025	All results within Specification	All Hydrants within Specification
23/04/2025	All results within Specification	All Hydrants within Specification
06/05/2025	All results within Specification	All Hydrants within Specification
20/05/2025	All results within Specification	All Hydrants within Specification
04/06/2025	All results within Specification	All Hydrants within Specification
17/06/2025	All results within Specification	All Hydrants within Specification

WTP3 - Sunraysia Results Discussion

Treated water tank outlet and all hydrants were within Specification.

WTP4 - West Sale Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
14/04/2025	All results within Specification	All Hydrants within Specification
29/04/2025	All results within Specification	All Hydrants within Specification
12/05/2025	All results within Specification	All Hydrants within Specification
27/05/2025	All results within Specification	All Hydrants within Specification
10/06/2025	All results within Specification	All Hydrants within Specification
23/06/2025	All results within Specification	All Hydrants within Specification

WTP4 - West Sale Results Discussion

Treated water tank outlet and all hydrants were within Specification.

WTP5 - Bangholme Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
09/04/2025	All results within Specification	All Hydrants within Specification
22/04/2025	All results within Specification	All Hydrants within Specification
08/05/2025	All results within Specification	All Hydrants within Specification
20/05/2025	All results within Specification	All Hydrants within Specification
05/06/2025	All results within Specification	All Hydrants within Specification
16/06/2025	All results within Specification	All Hydrants within Specification

WTP5 - Bangholme Results Discussion

Treated water tank outlet and all hydrants were within Specification.

WTP6 - Longerenong Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
01/04/2025	All results within Specification	All hydrants within Specification
15/04/2025	All results within Specification	All hydrants within Specification
30/04/2025	All results within Specification	Non-compliant Hydrant Composite Sample
13/05/2025	All results within Specification	All hydrants within Specification
27/05/2025	All results within Specification	All hydrants within Specification
10/06/2025	All results within Specification	All hydrants within Specification
23/06/2025	All results within Specification	All hydrants within Specification

WTP6 - Longerenong Results Discussion

Treated water tank outlet and all hydrants within Specification except for sample taken on 30/04/2025..

Sample date 30/04/2025

Non Compliance:

Colilert (coliform) detection alert received from the laboratory on 02/05/25 from samples collected on 30/04/25 for the Hydrant composite sample at Longerenong. The network was on treated water supply at the time of sampling. Plant water quality passed the contract limits at the time of the Hydrant exceedance. Low usage of the hydrant network may have contributed to a drop in chlorine residual and the possible growth of bacteria in the Hydrant network. Flushing between sampling events should manage the risk of this event reoccurring, as chlorine residuals decay over time with low usage.

WTP7 - Huntly Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
08/04/2025	All results within Specification	All hydrants within Specification
24/04/2025	All results within Specification	All hydrants within Specification
07/05/2025	All results within Specification	All hydrants within Specification
22/05/2025	All results within Specification	All hydrants within Specification
02/06/2025	All results within Specification	All hydrants within Specification
19/06/2025	All results within Specification	All hydrants within Specification
30/06/2025	All results within Specification	All hydrants within Specification

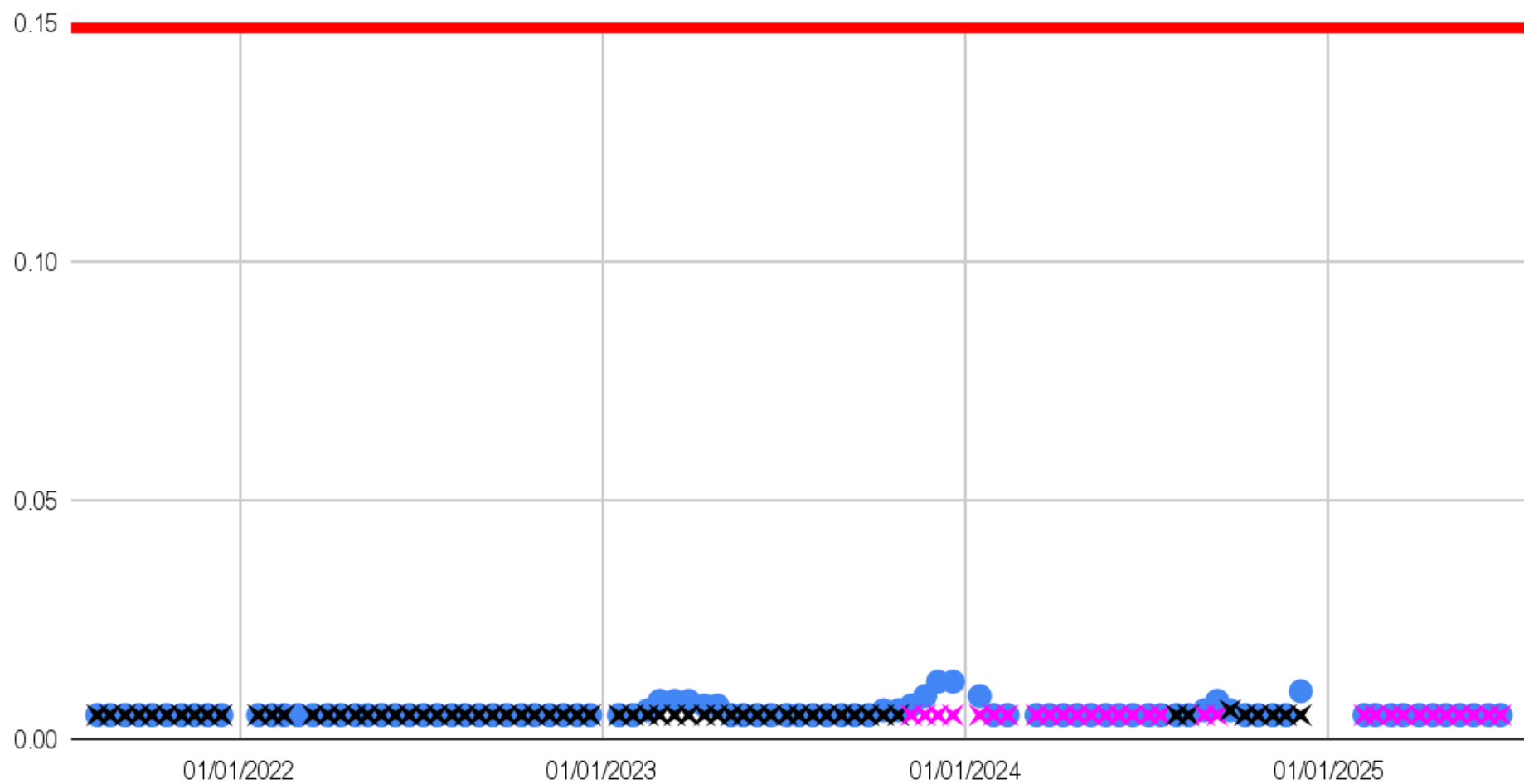
WTP7 - Huntly Results Discussion

Treated water tank outlet and all hydrants within Specification.

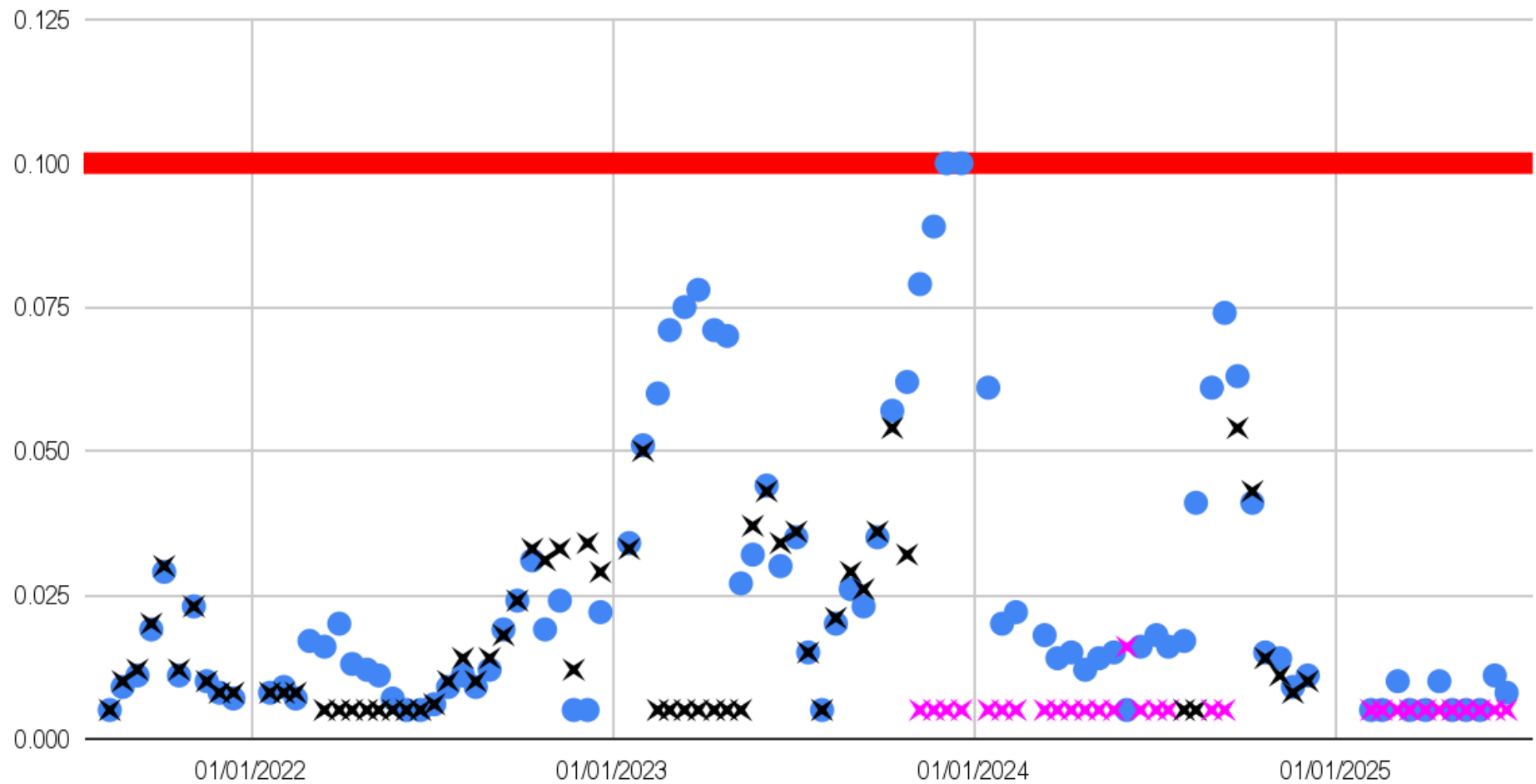
Water Quality Charts

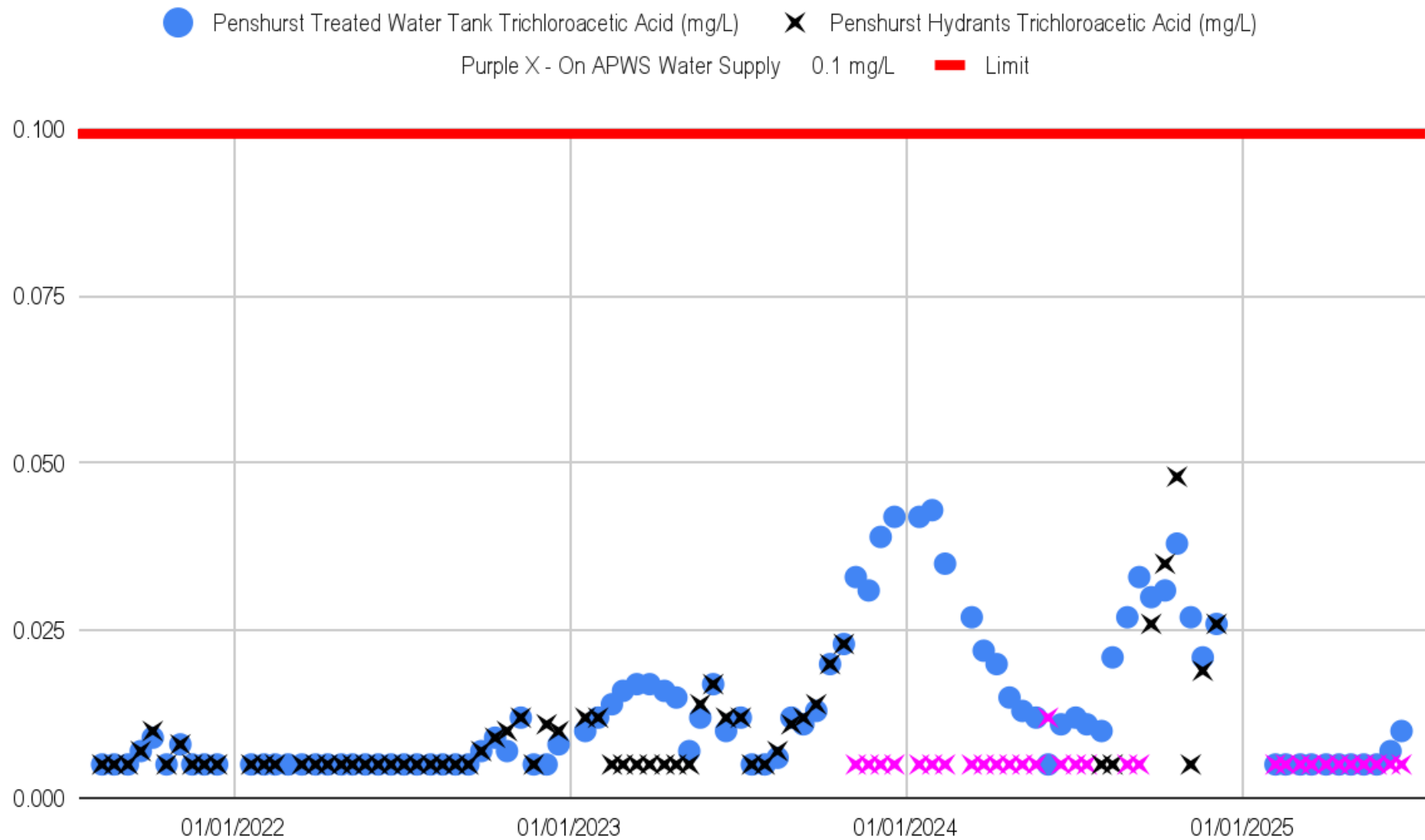
External Laboratory Results

● Penshurst Treated Water Tank Chloroacetic Acid (mg/L) ✕ Penshurst Hydrants Chloroacetic Acid (mg/L)
Purple X - On APWS Water Supply 0.15 mg/L ■ Limit

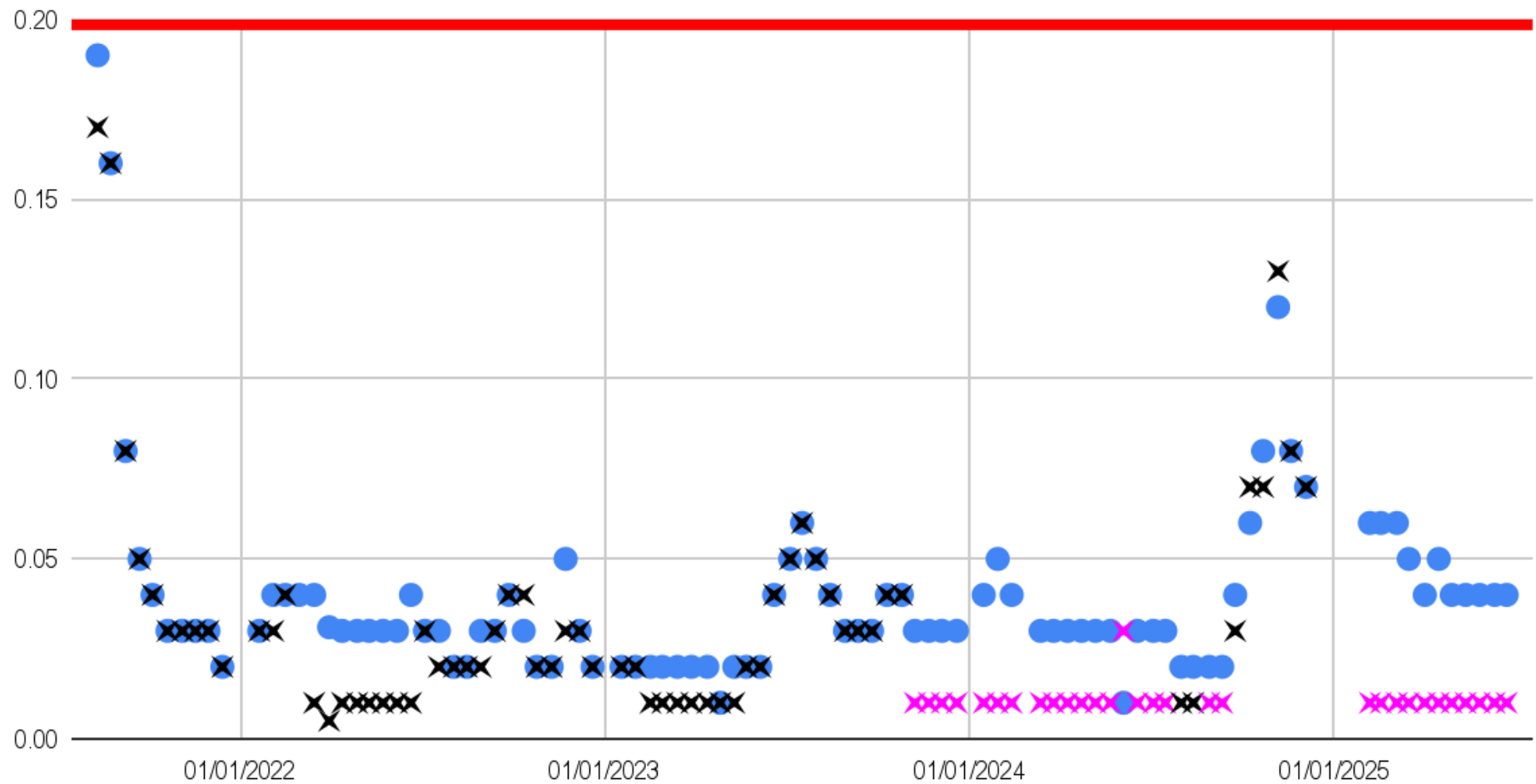


● Penshurst Treated Water Tank Dichloroacetic Acid (mg/L) ✕ Penshurst Hydrants Dichloroacetic Acid (mg/L)
Purple X - On APWS Water Supply 0.1 mg/L — Limit

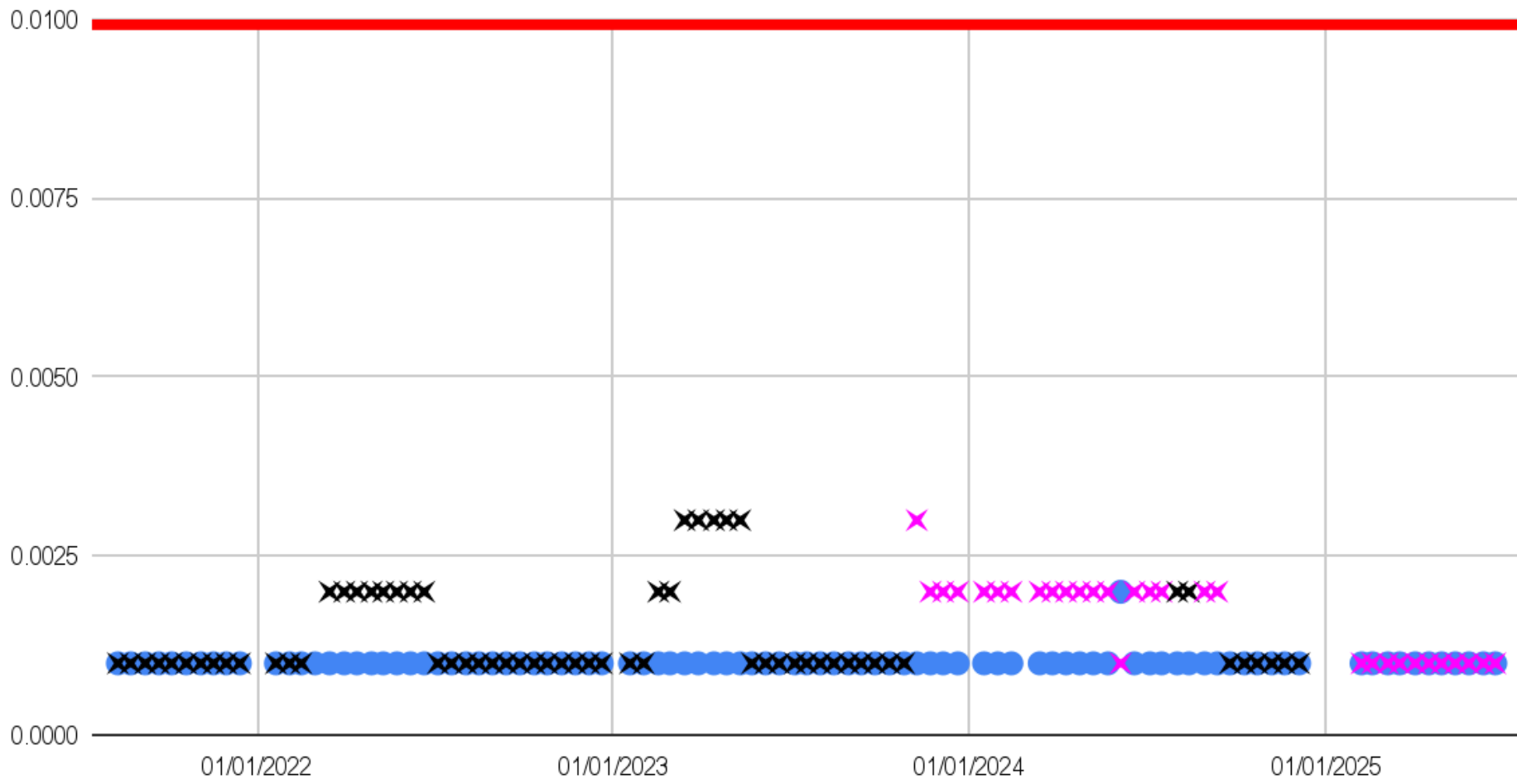




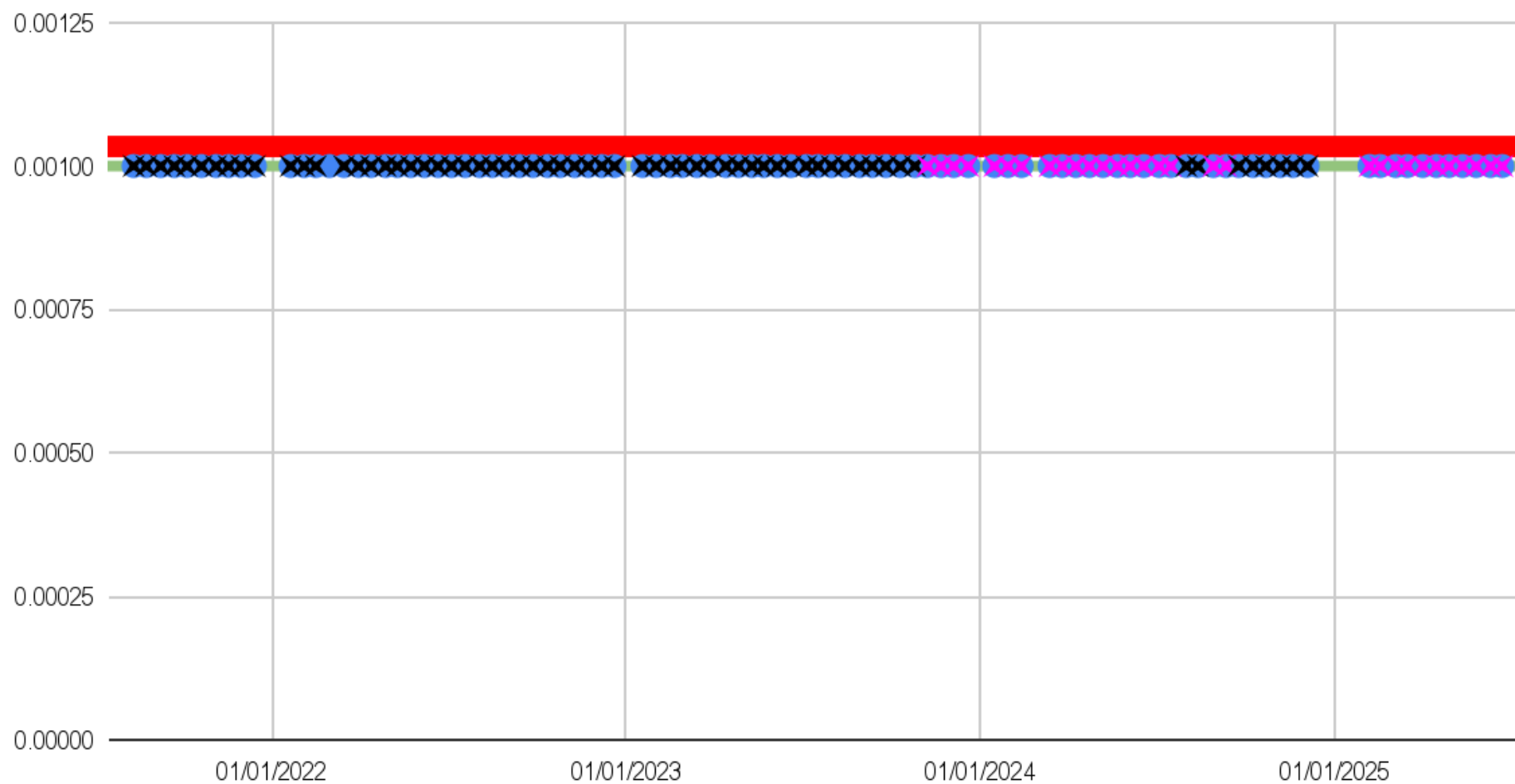
● Penshurst Treated Water Tank Acid Soluble Aluminium (mg/L) ✕ Penshurst Hydrants Acid Soluble Aluminium (mg/L)
Purple X - On APWS Water Supply 0.2 mg/L — Limit



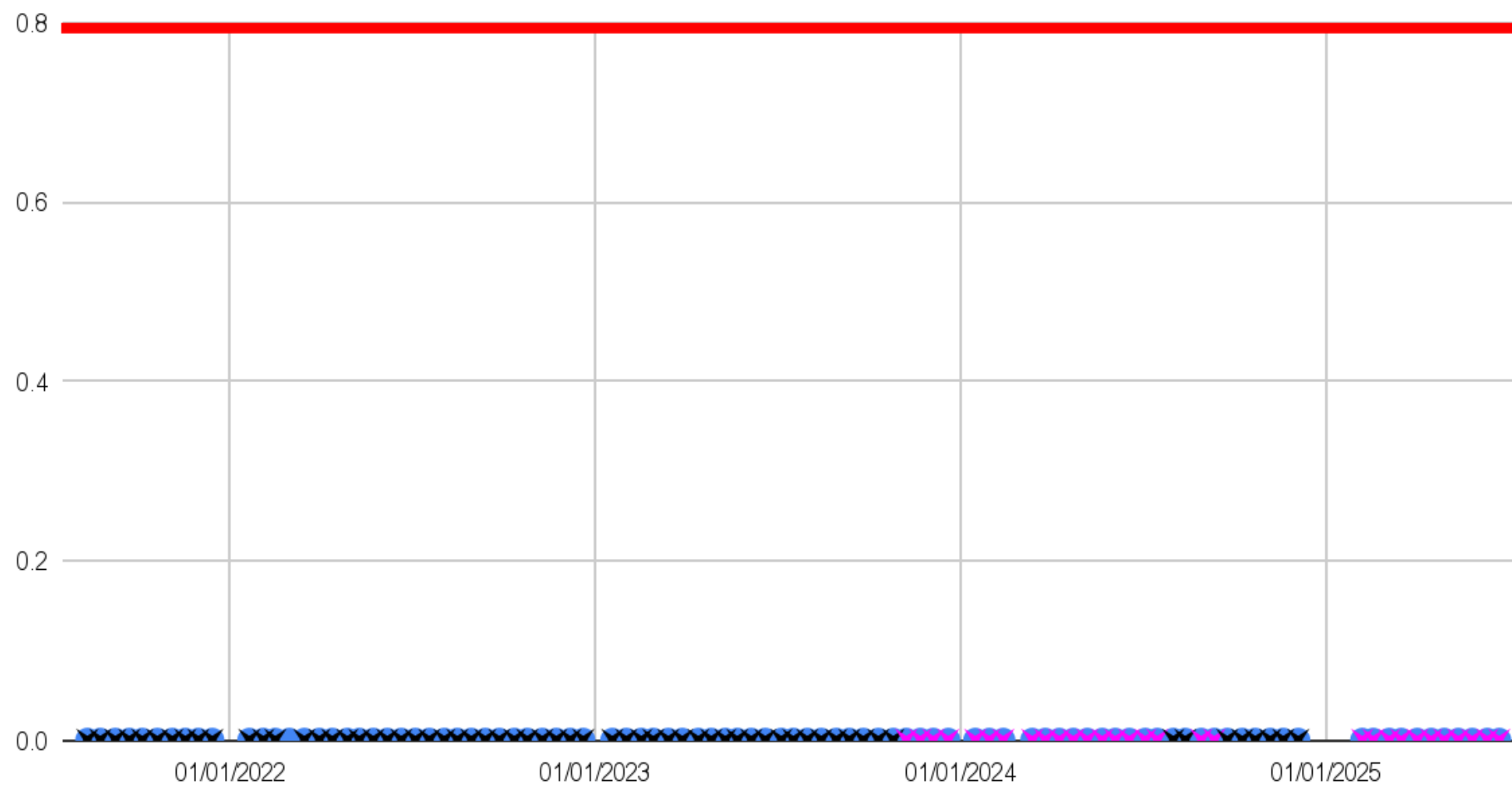
● Penshurst Treated Water Tank Arsenic (mg/L) ✕ Penshurst Hydrants Arsenic (mg/L) Purple X - On APWS Water Supply
0.01 mg/L — Limit



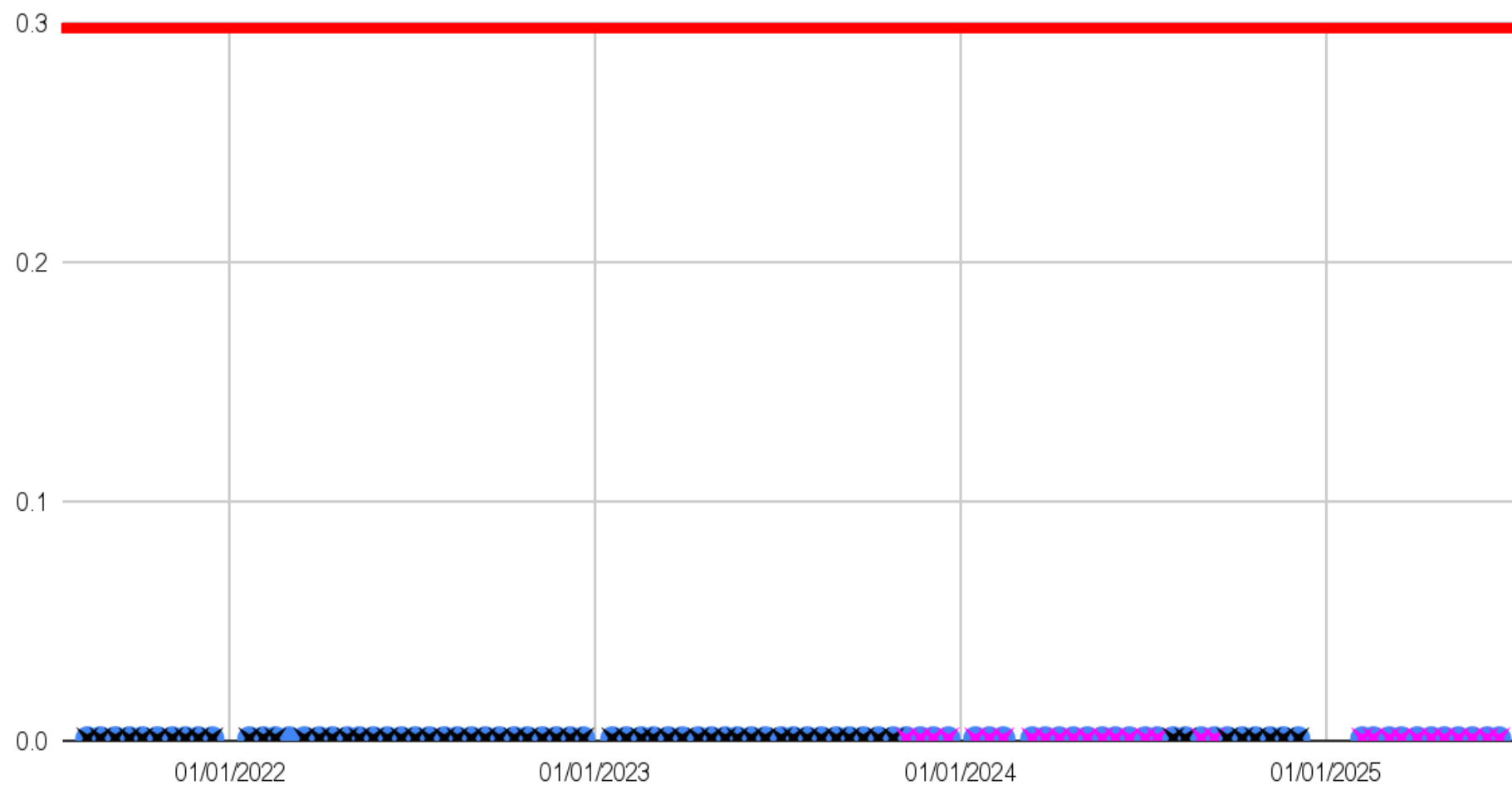
● Penshurst Treated Water Tank Benzene (mg/L) ✕ Penshurst Hydrants Benzene (mg/L) Purple X - On APWS Water Supply
0.001 mg/L Limit 0.15 mg/L 0.001 mg/L

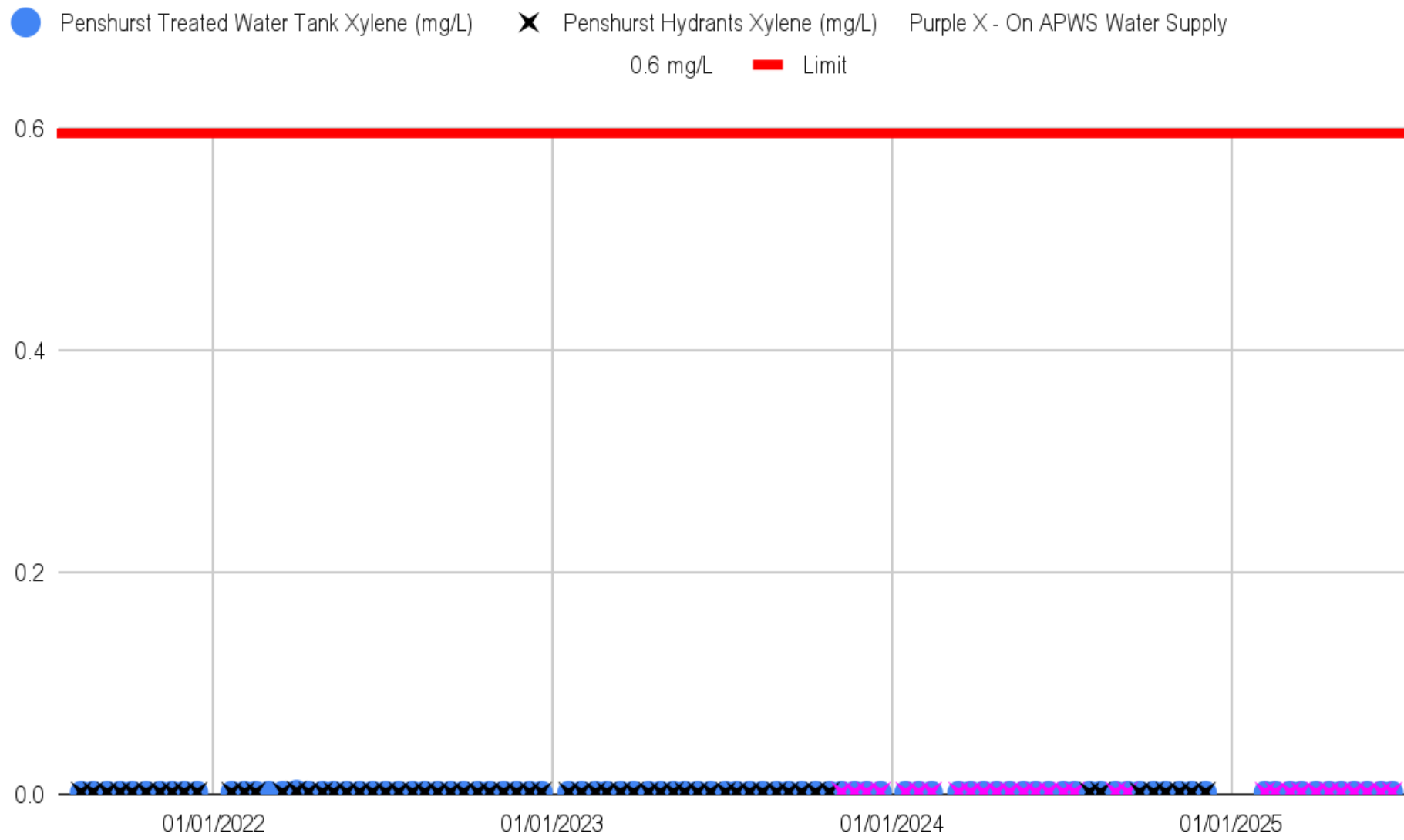


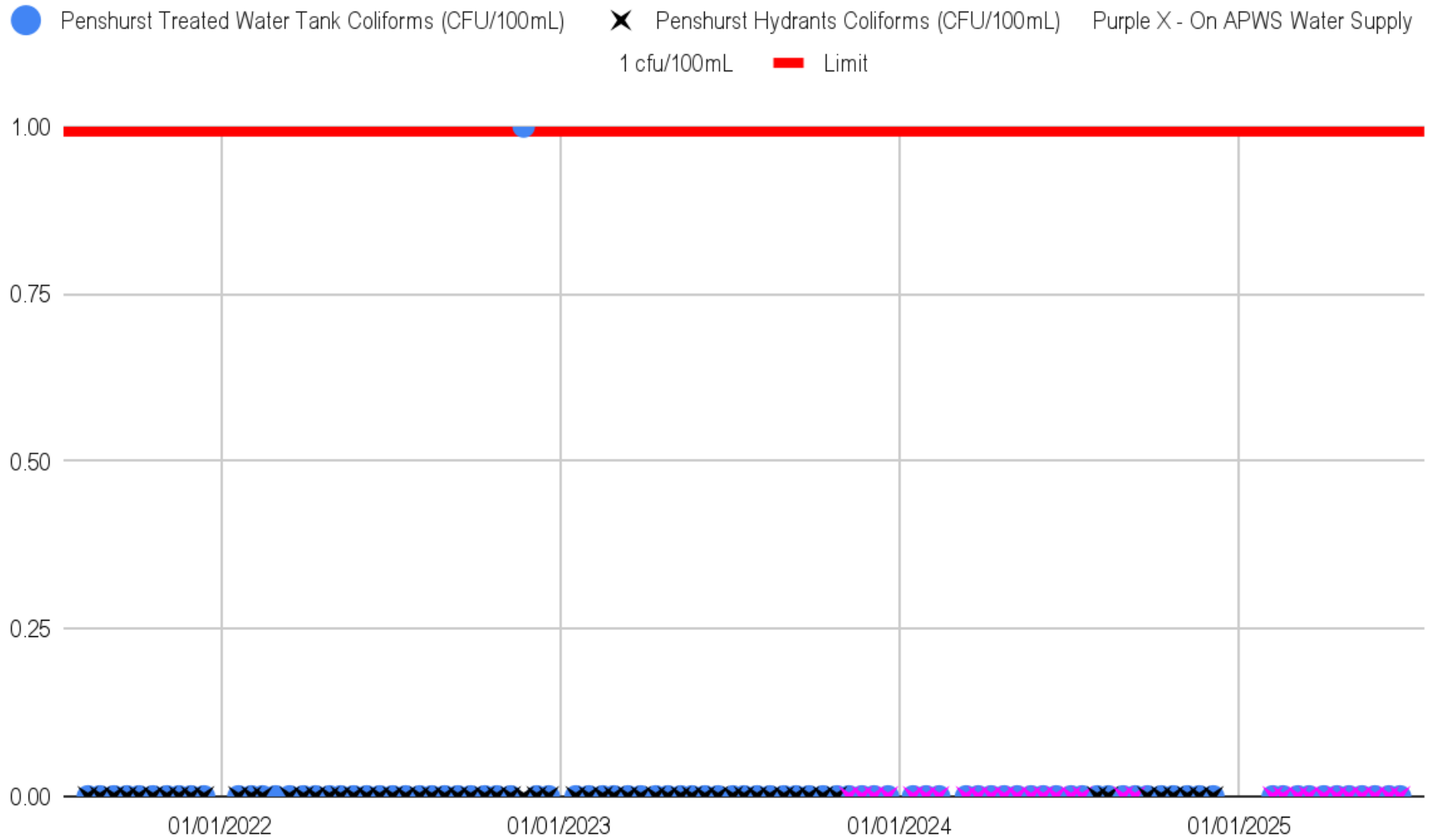
● Penshurst Treated Water Tank Toluene (mg/L) ✕ Penshurst Hydrants Toluene (mg/L) Purple X - On APWS Water Supply
0.8 mg/L — Limit

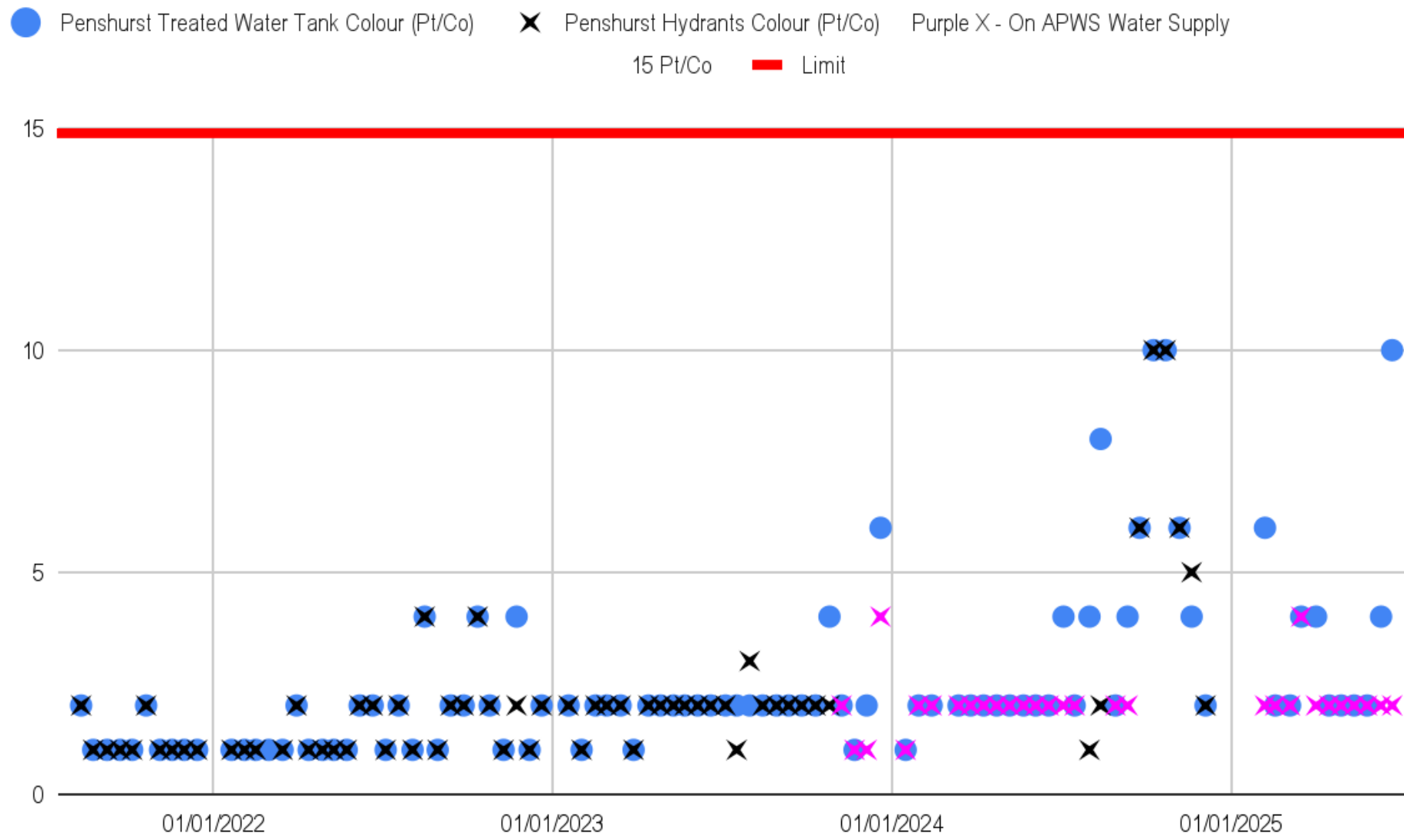


● Penshurst Treated Water Tank Ethylbenzene (mg/L) ✕ Penshurst Hydrants Ethylbenzene (mg/L) Purple X - On APWS Water Supply
0.3 mg/L — Limit

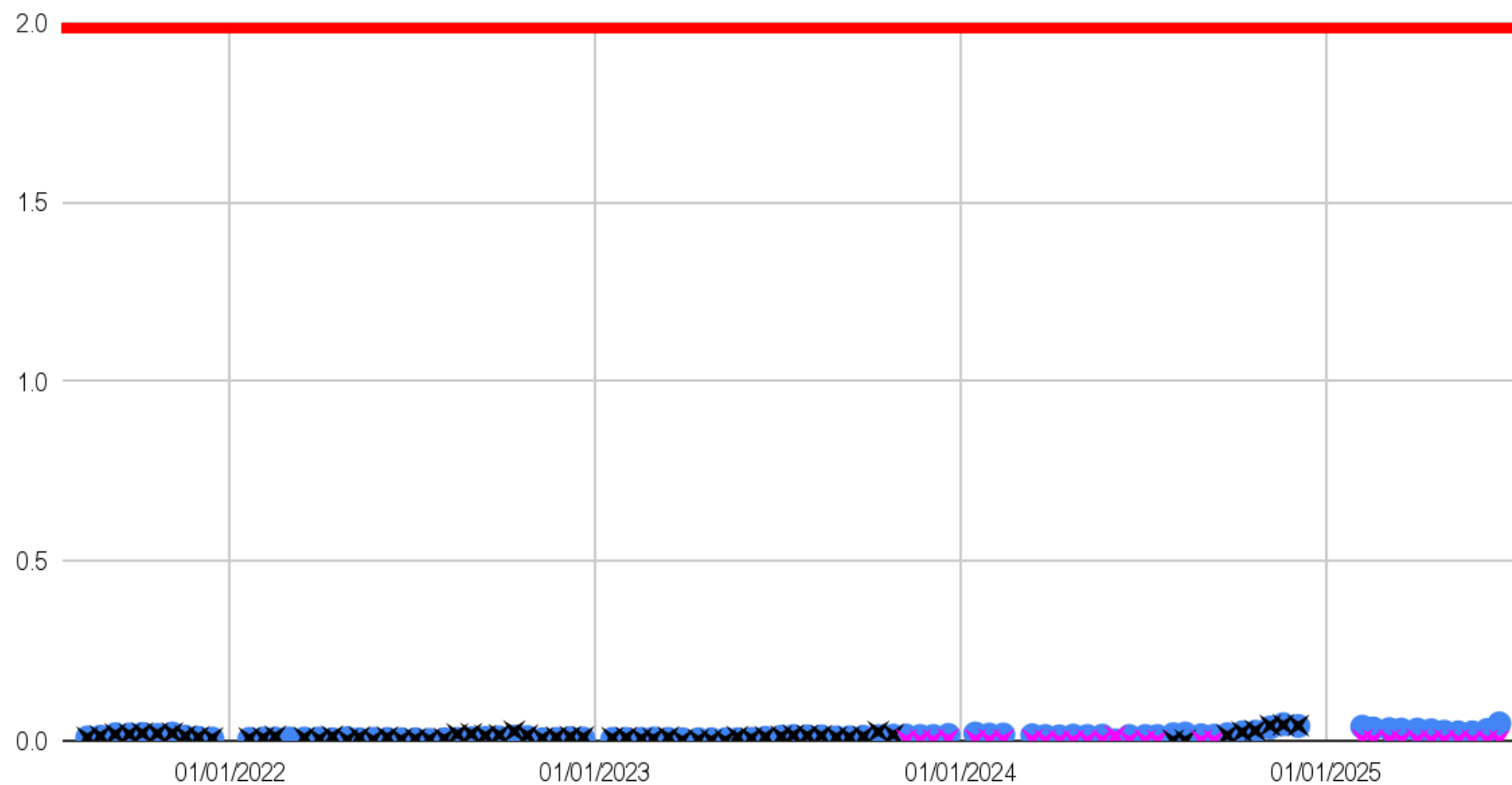


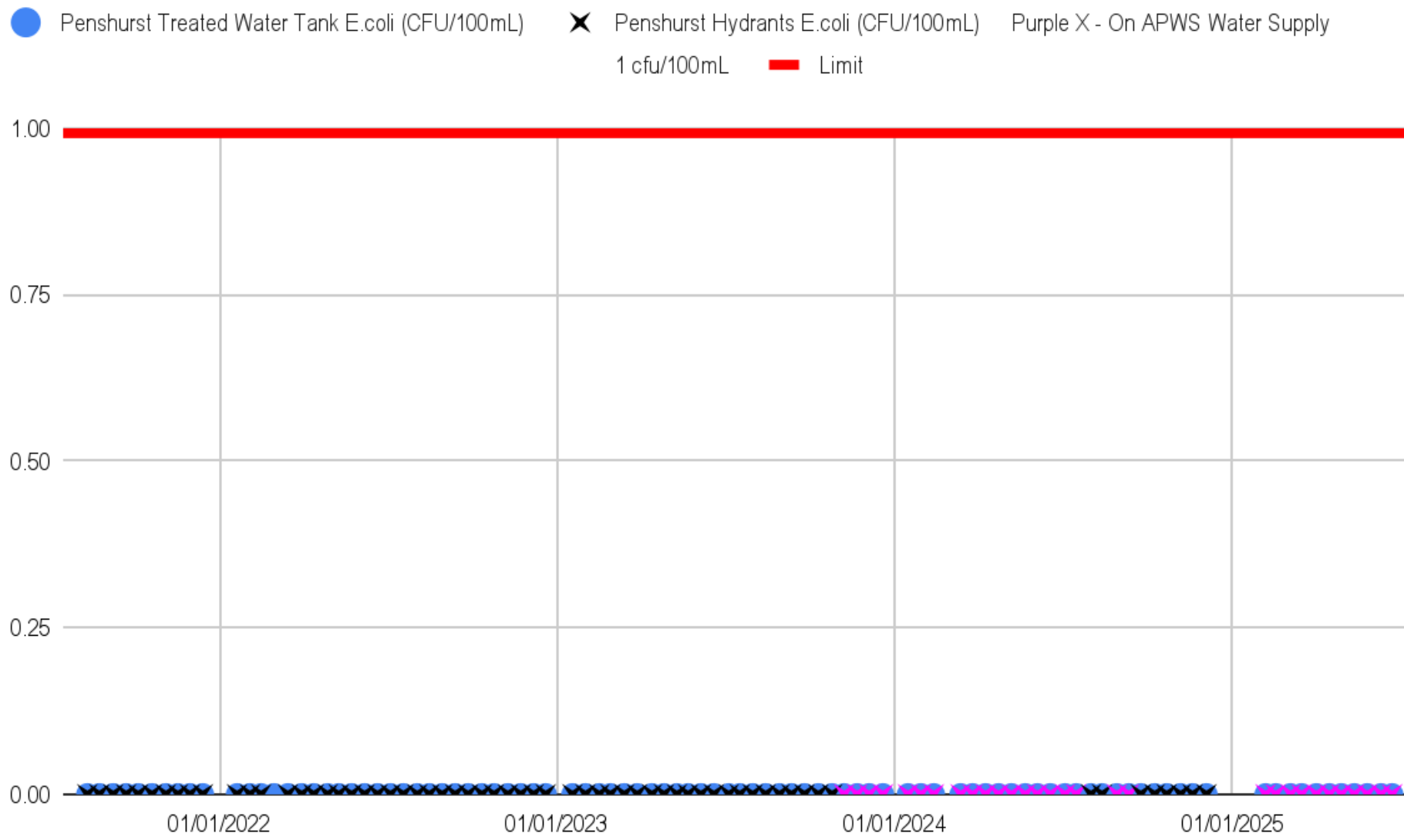




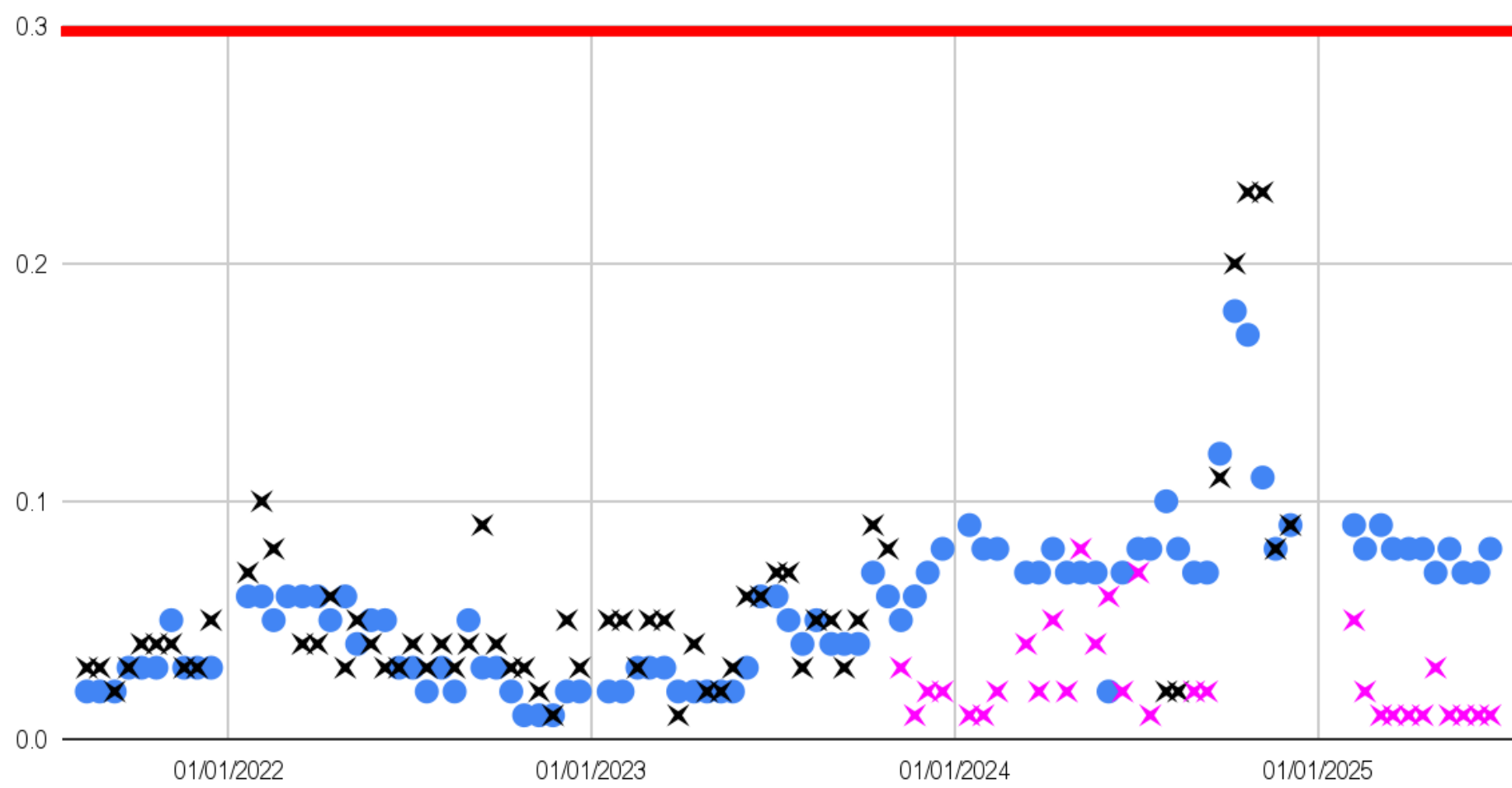


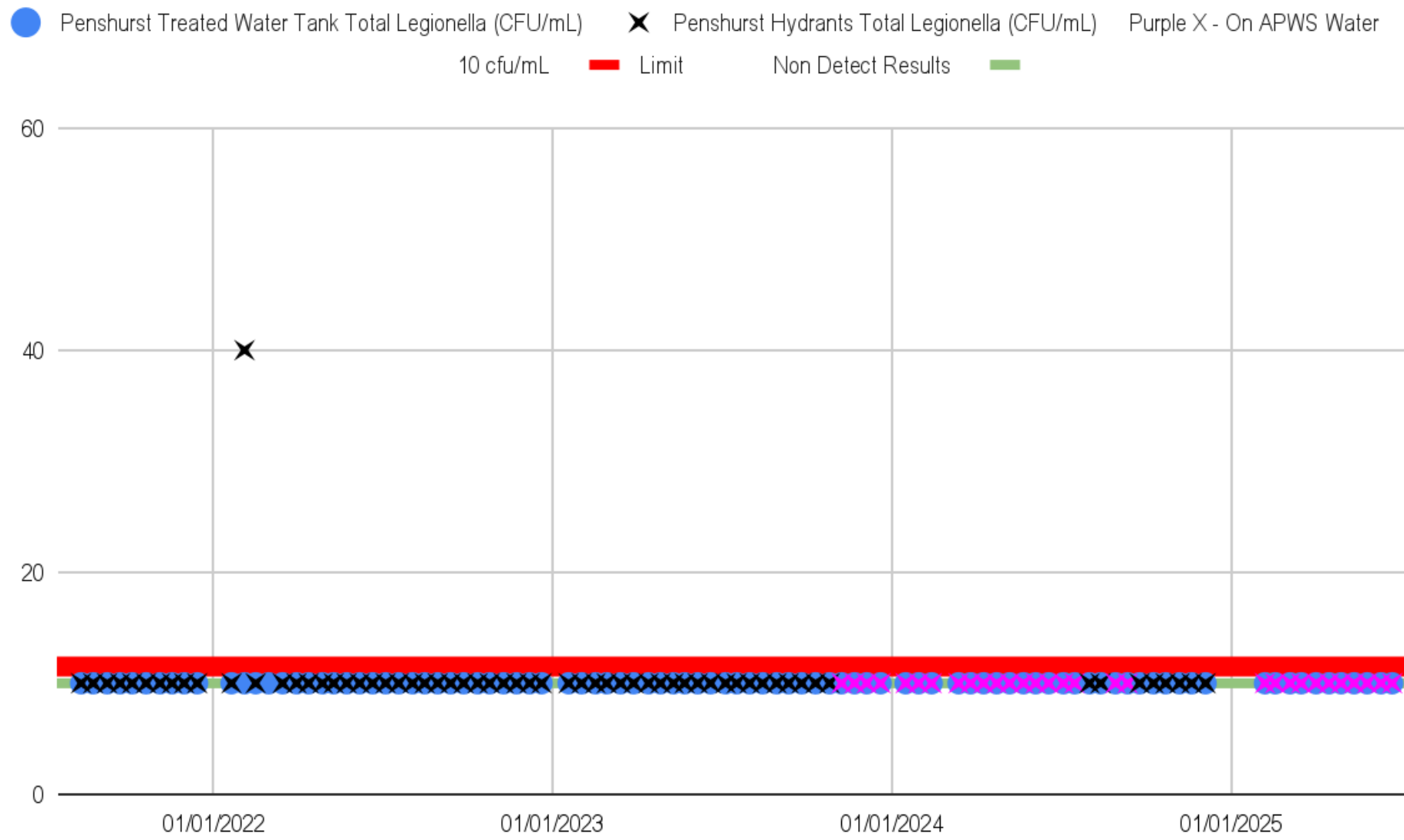
● Penshurst Treated Water Tank Copper (mg/L) ✕ Penshurst Hydrants Copper (mg/L) Purple X - On APWS Water Supply
2 mg/L ■ Limit

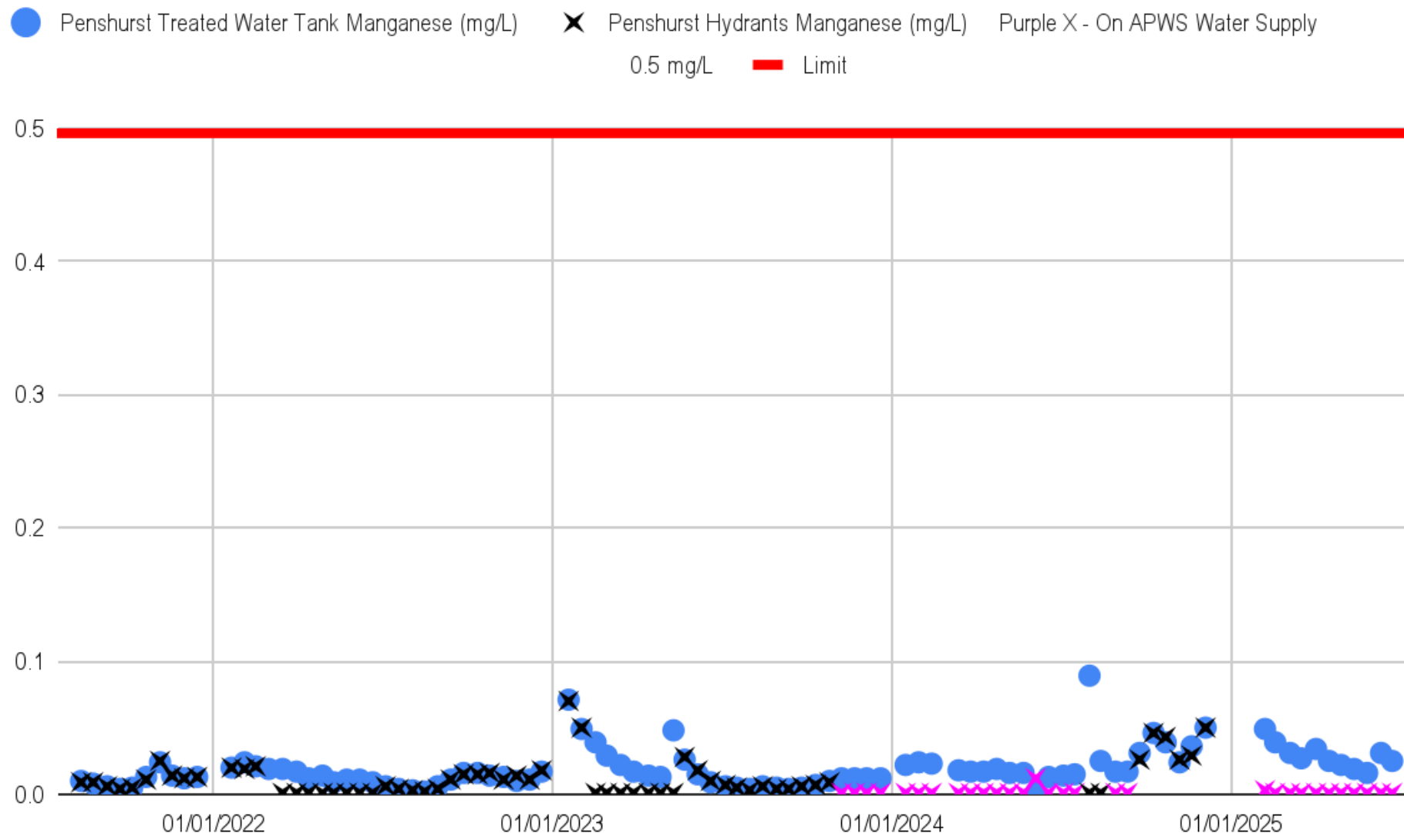




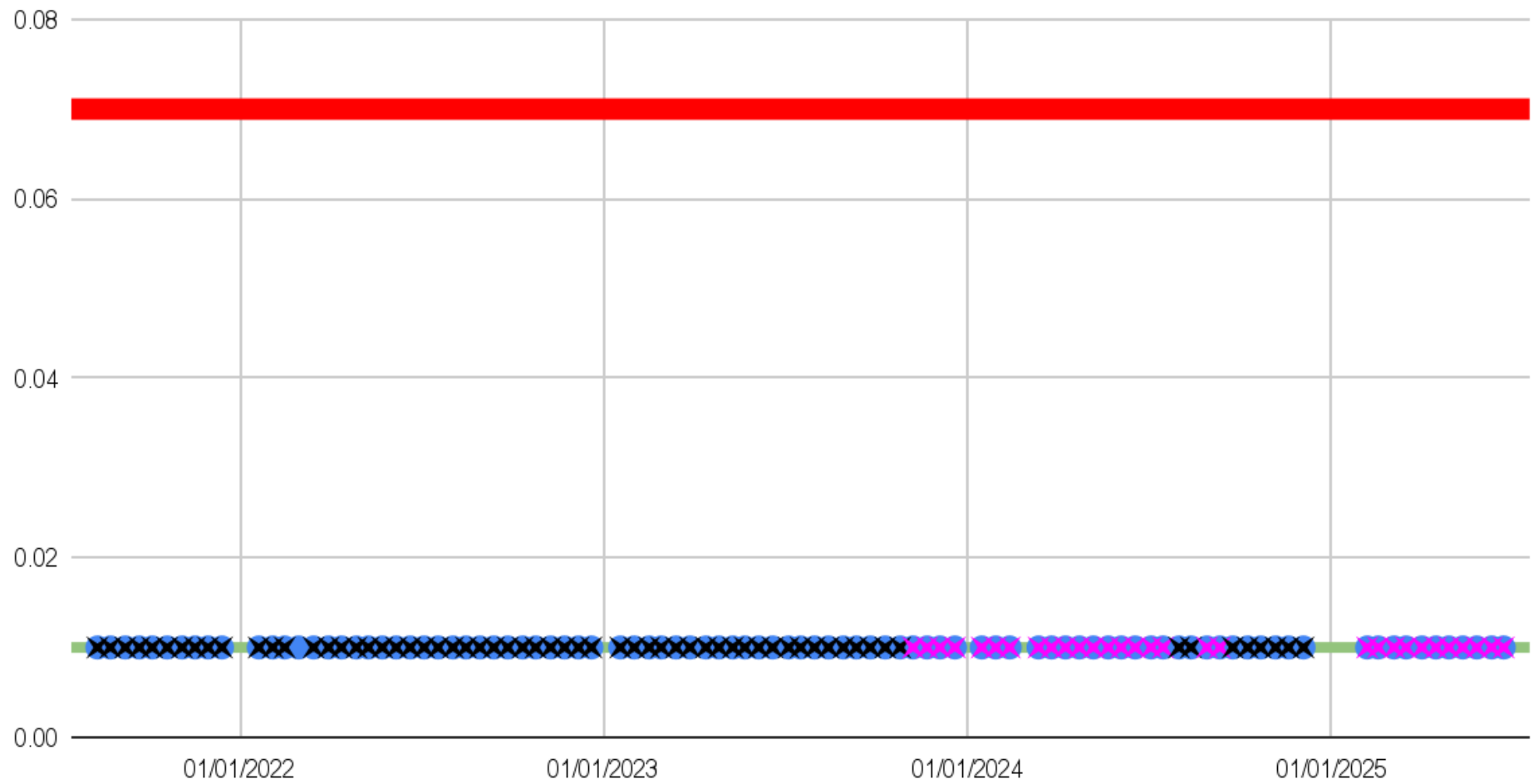
● Penshurst Treated Water Tank Iron (mg/L) ✕ Penshurst Hydrants Iron (mg/L) ✕ Purple X - On APWS Water Supply 0.3 mg/L
— Limit

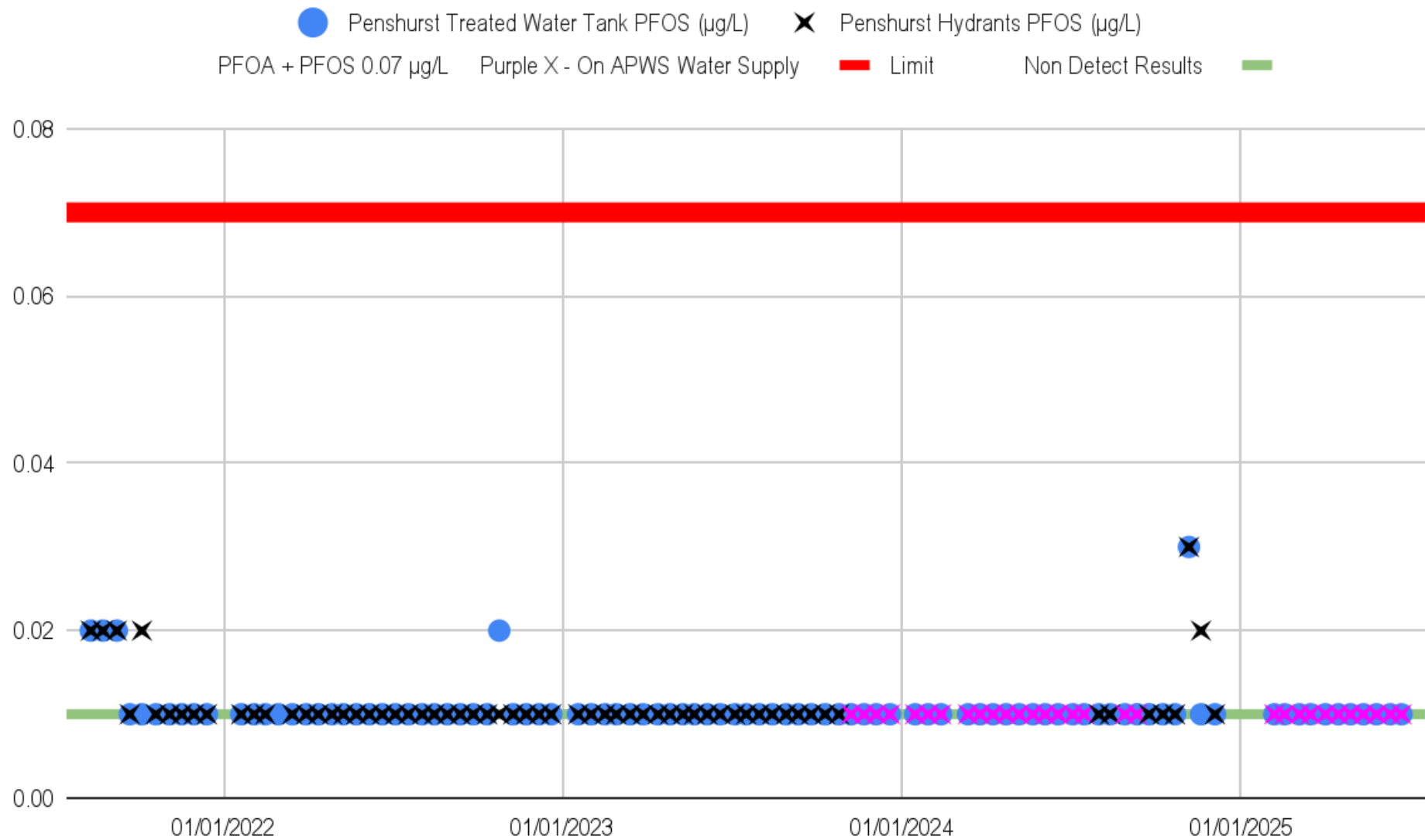




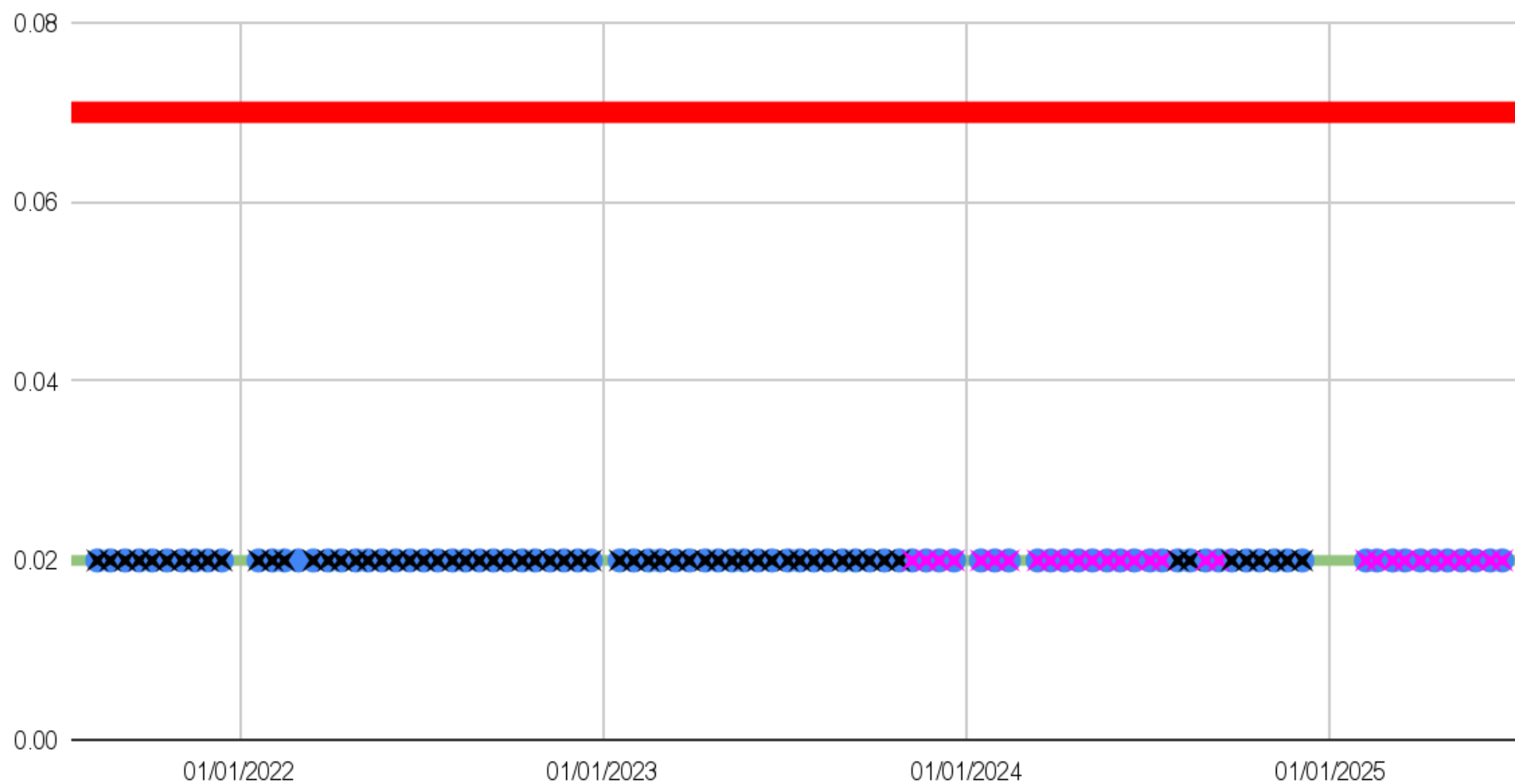


● Penshurst Treated Water Tank PFOA (µg/L) ✕ Penshurst Hydrants PFOA (µg/L)
PFOA + PFOS 0.07 µg/L Purple X - On APWS Water Supply ■ Limit Non Detect Results ■

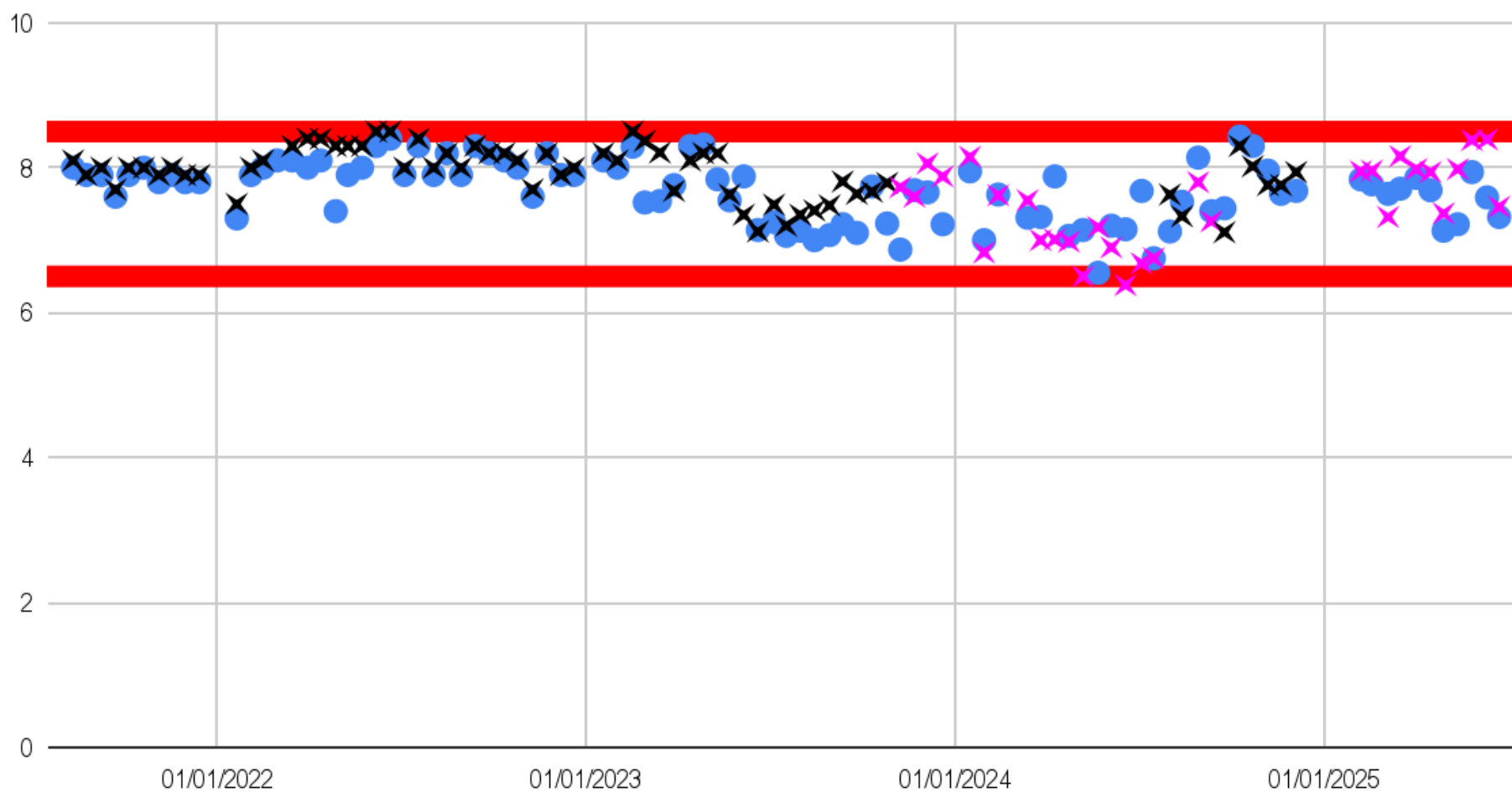




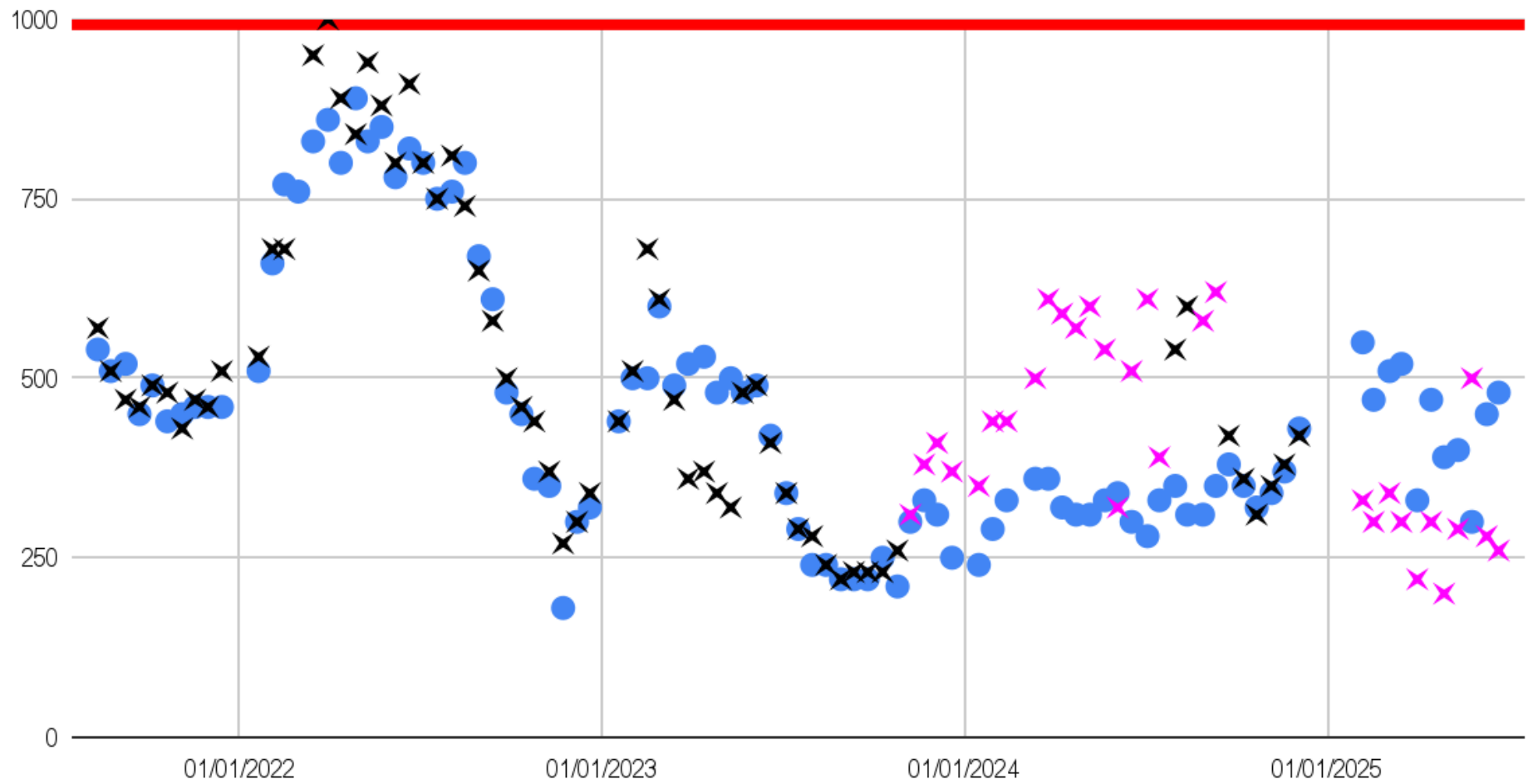
● Penshurst Treated Water Tank PFHxS (µg/L) ✕ Penshurst Hydrants PFHxS (µg/L)
PFOS + PFHxS 0.07 µg/L Purple X - On APWS Water Supply ■ Limit Non Detect Results ■



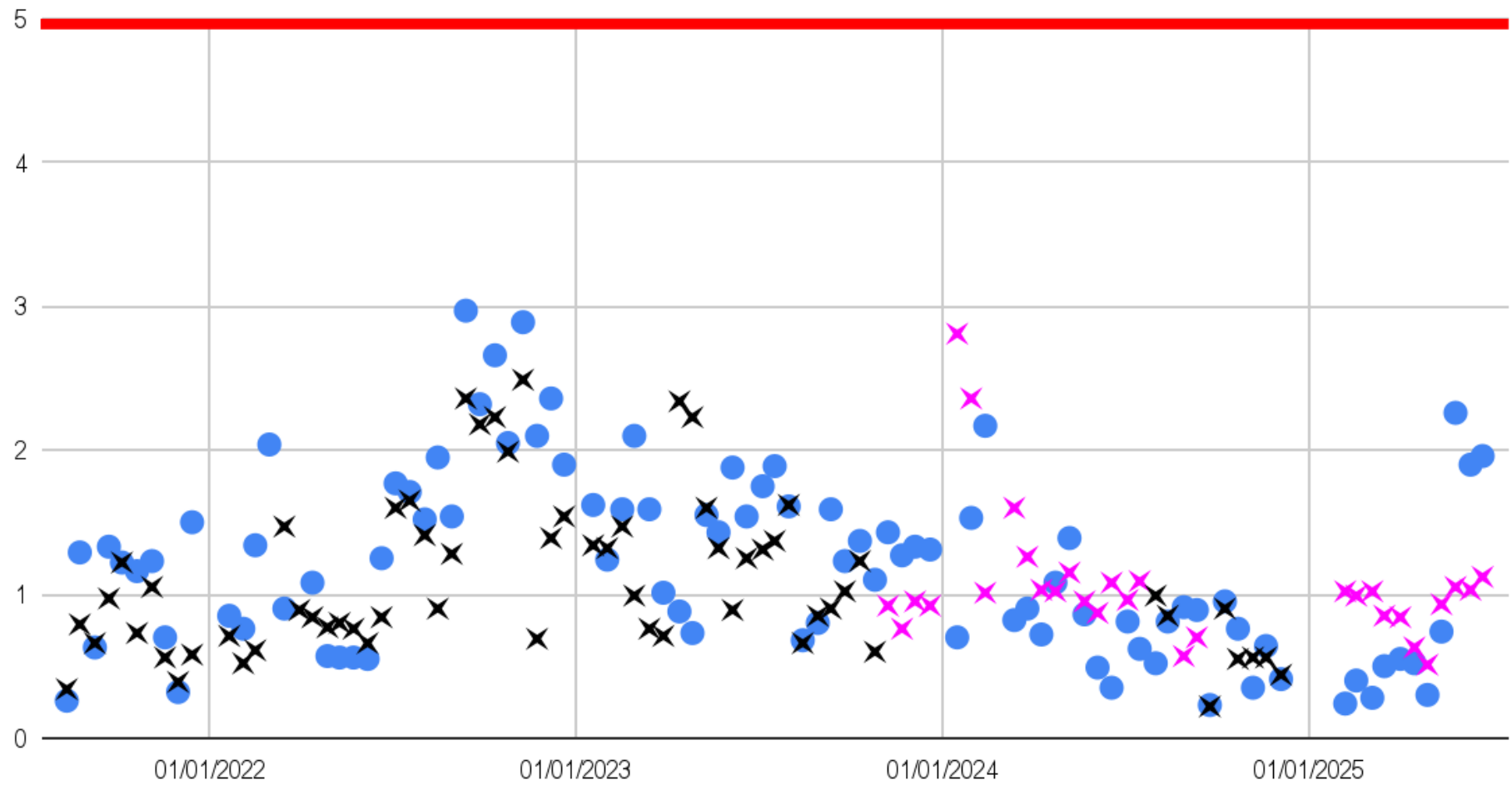
● Penshurst Treated Water Tank pH (-) ✕ Penshurst Hydrants pH (-) 6.5 Purple X - On APWS Water Supply Limit
8.5 Limit



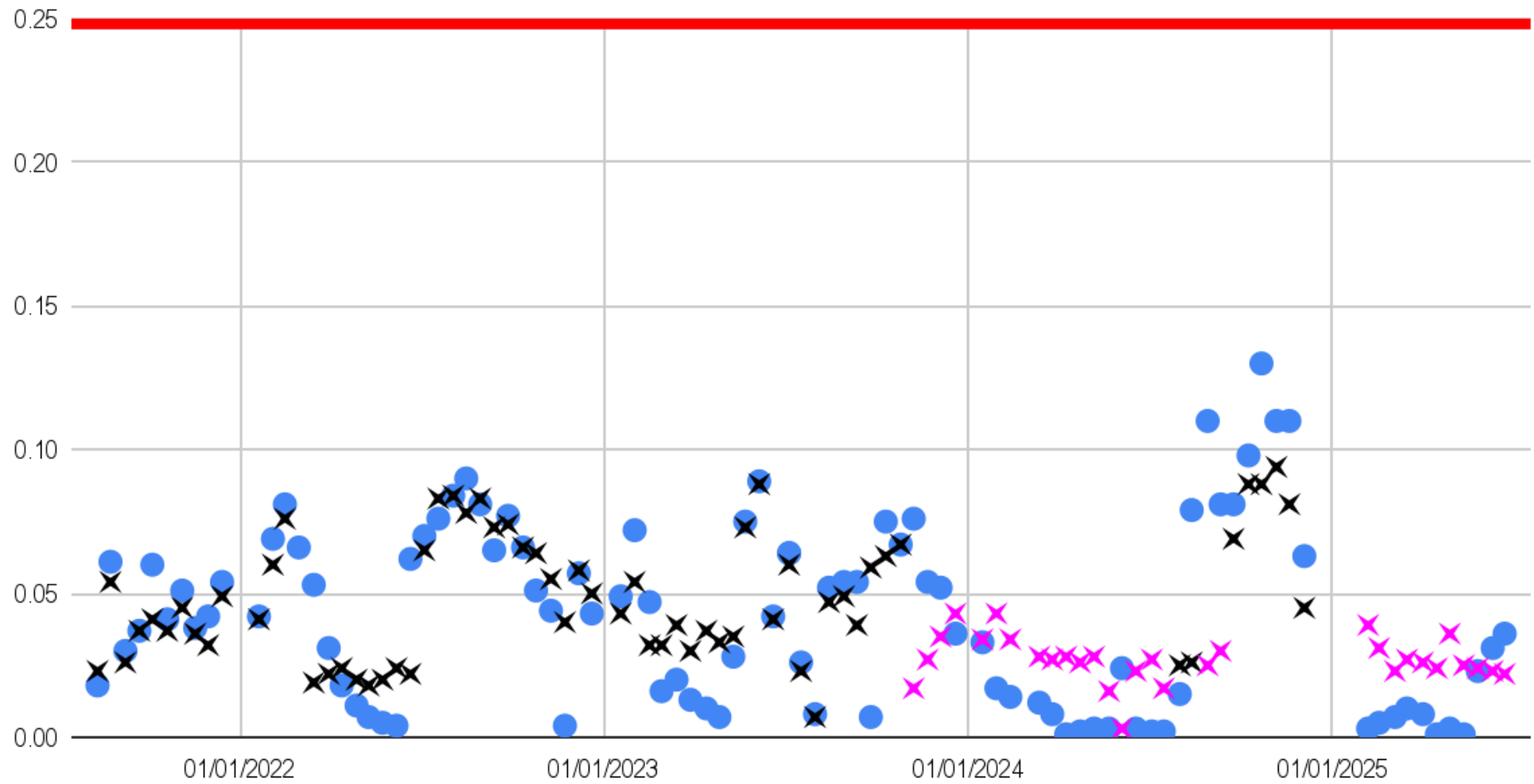
● Penshurst Treated Water Tank TDS (mg/L) ✕ Penshurst Hydrants TDS (mg/L) Purple X - On APWS Water Supply 1000 mg/L
— Limit



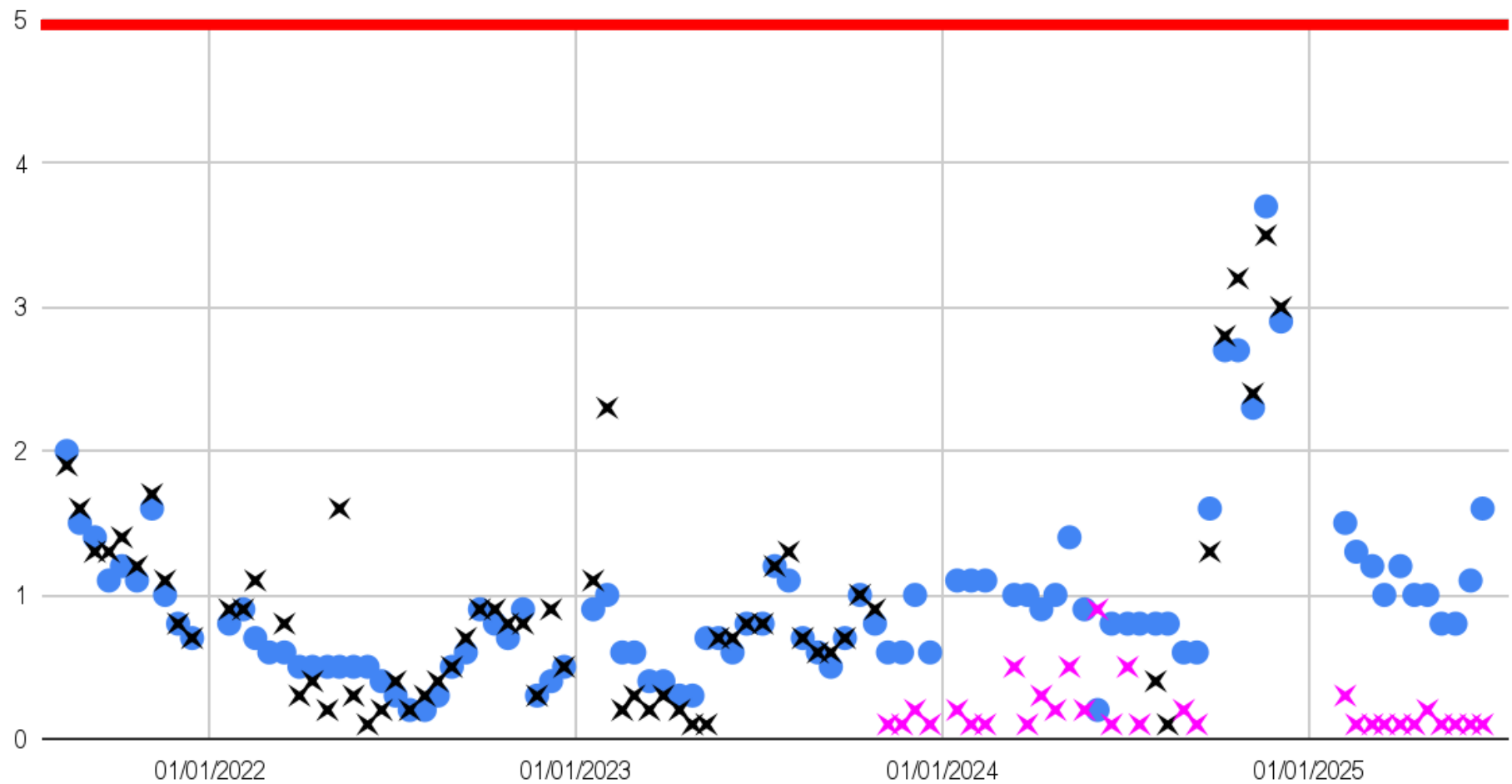
● Penshurst Treated Water Tank Total Chlorine (mg/L) ✕ Penshurst Hydrants Total Chlorine (mg/L) ✕ Purple X - On APWS Water Supply
5 mg/L — Limit



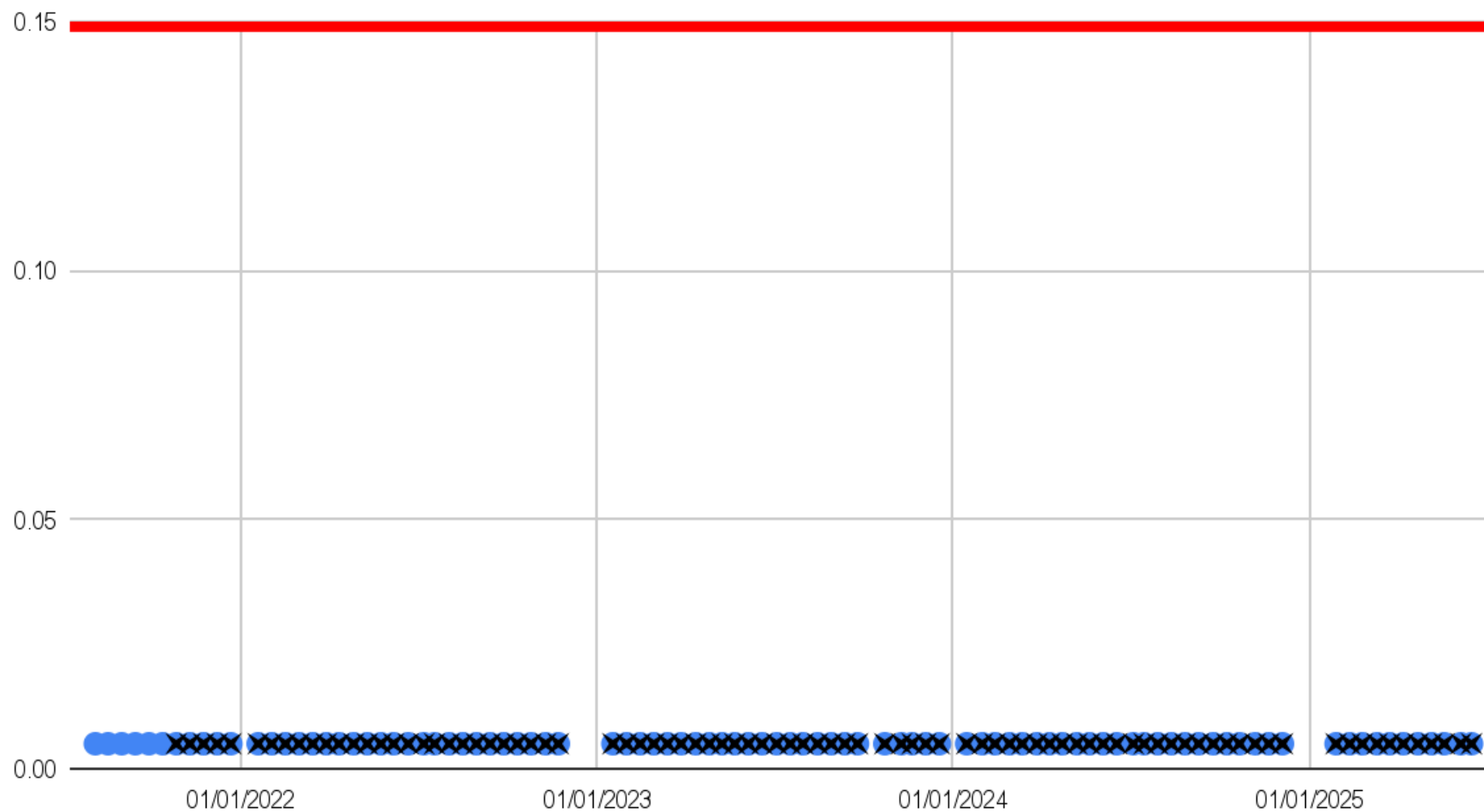
● Penshurst Treated Water Tank THM (mg/L) ✕ Penshurst Hydrants THM (mg/L) ✕ Purple X - On APWS Water Supply 0.25 mg/L
— Limit

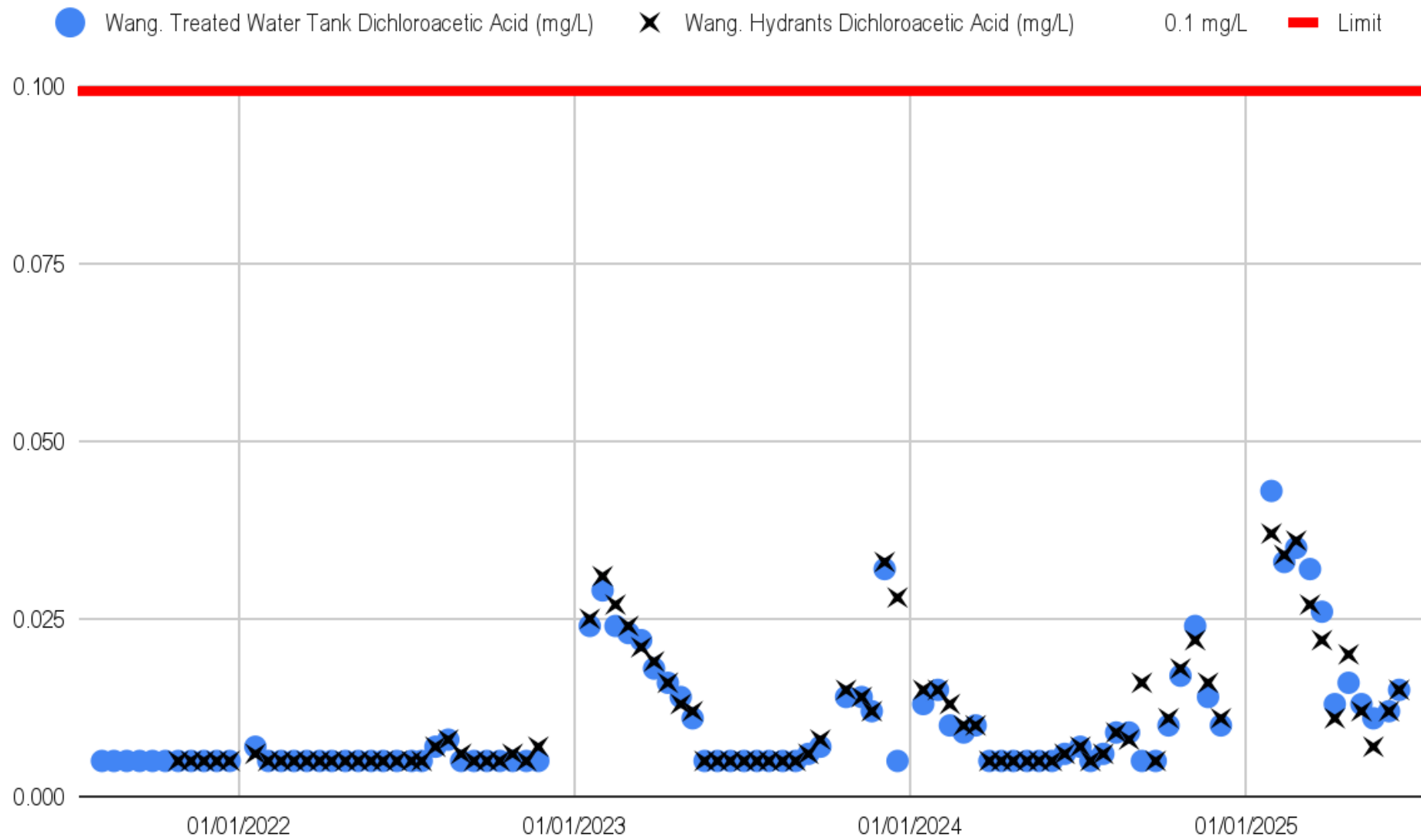


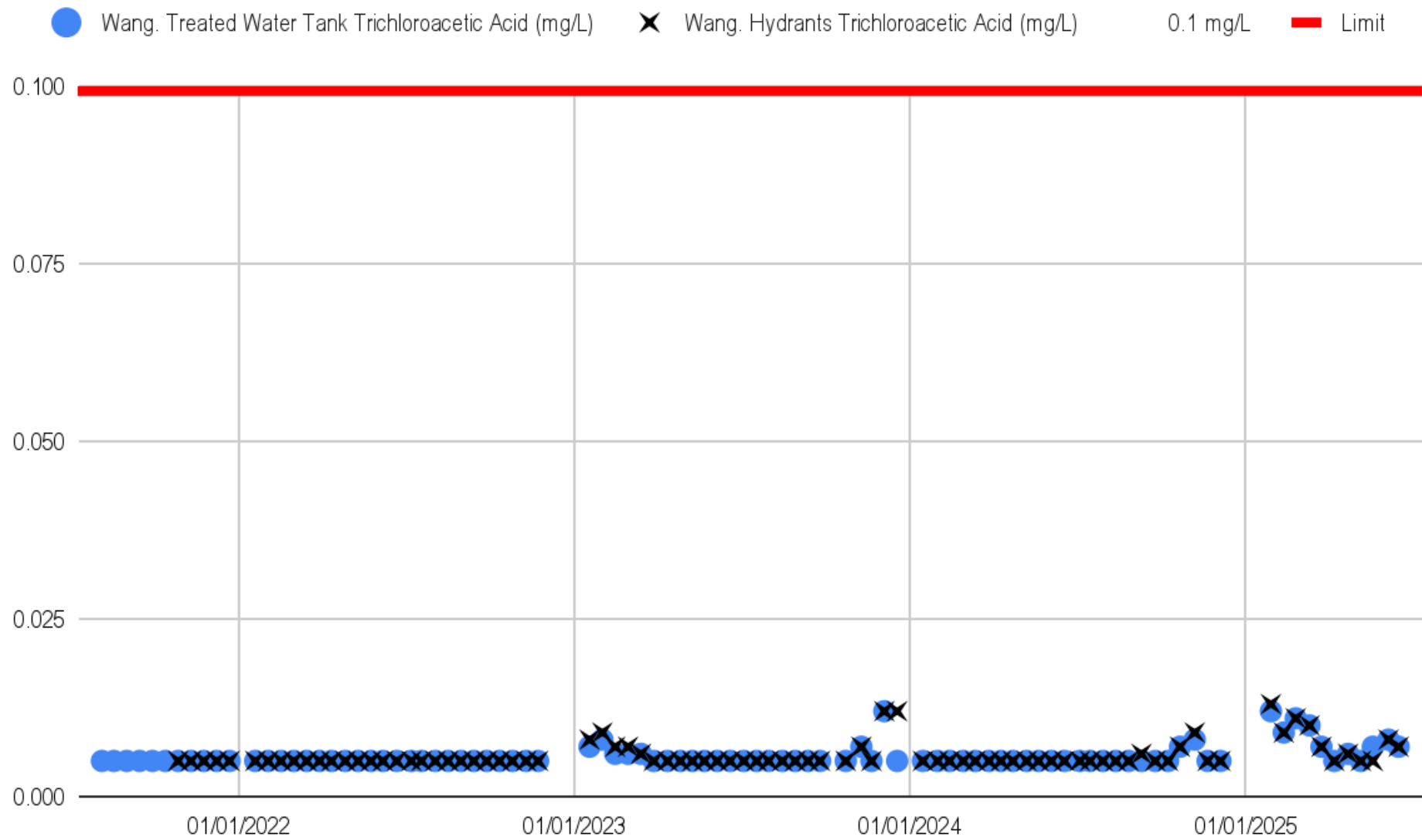
● Penshurst Treated Water Tank Turbidity (NTU) ✕ Penshurst Hydrants Turbidity (NTU) Purple X - On APWS Water Supply
5 NTU — Limit



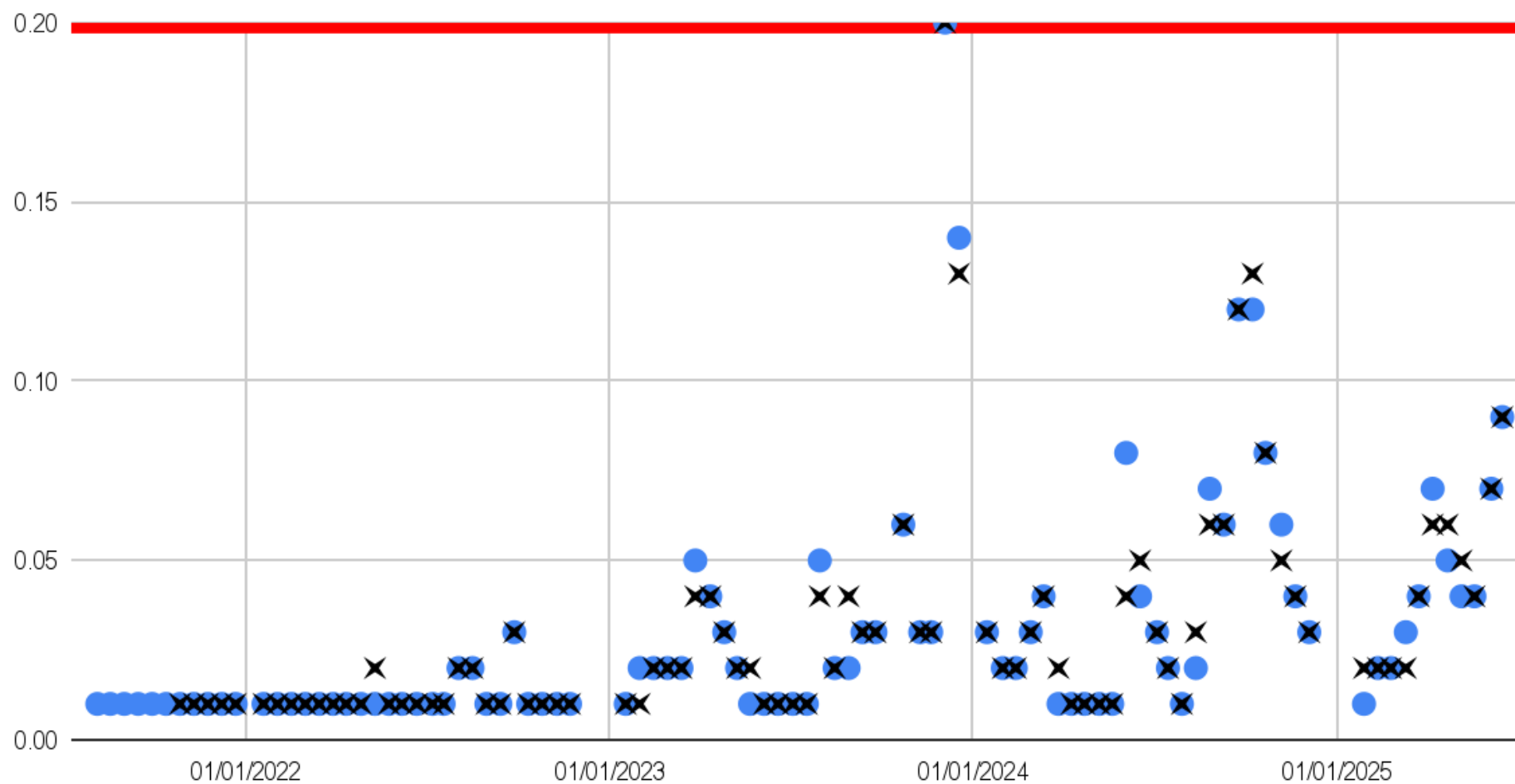
● Wang. Treated Water Tank Chloroacetic Acid (mg/L) ✕ Wang. Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L — Limit

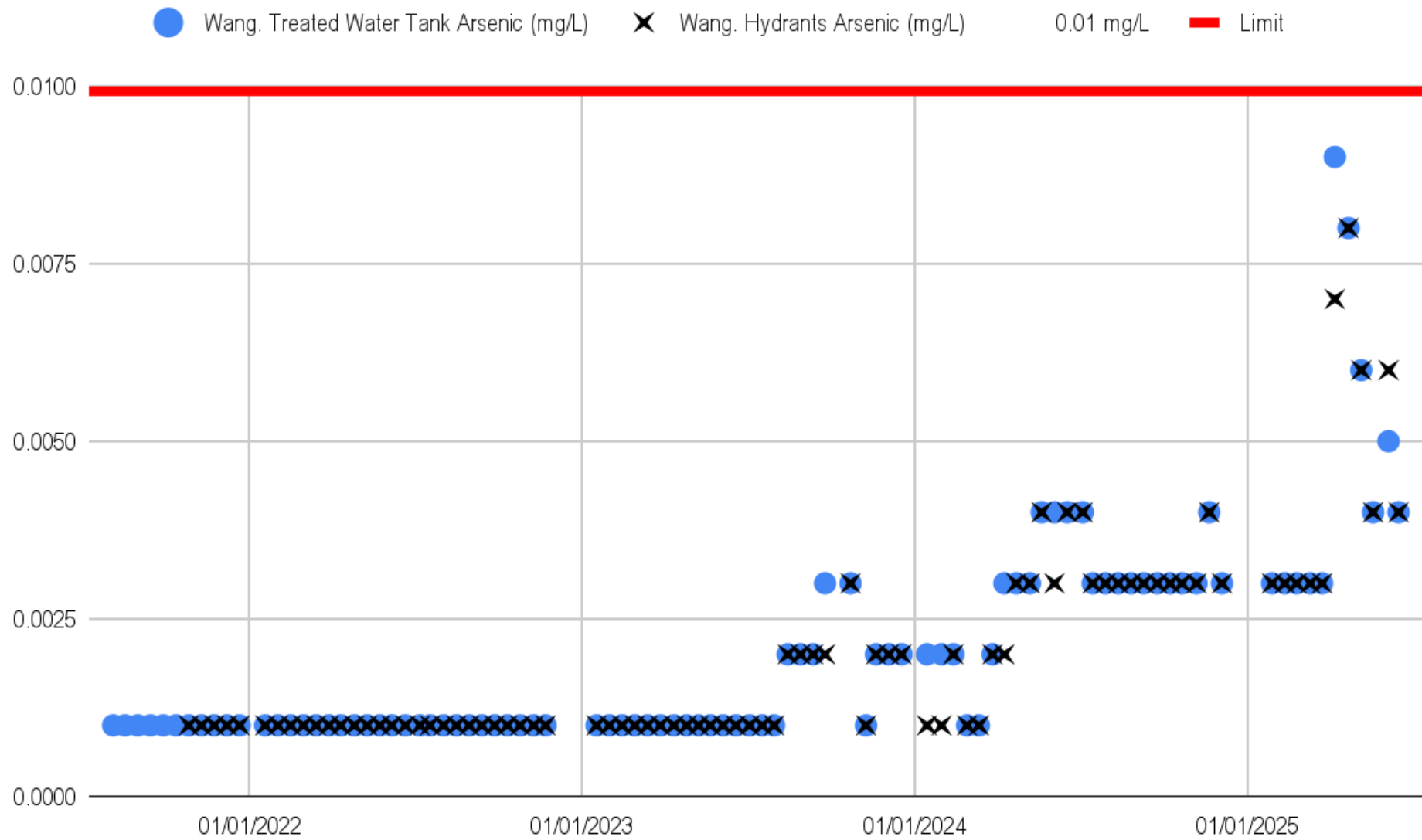


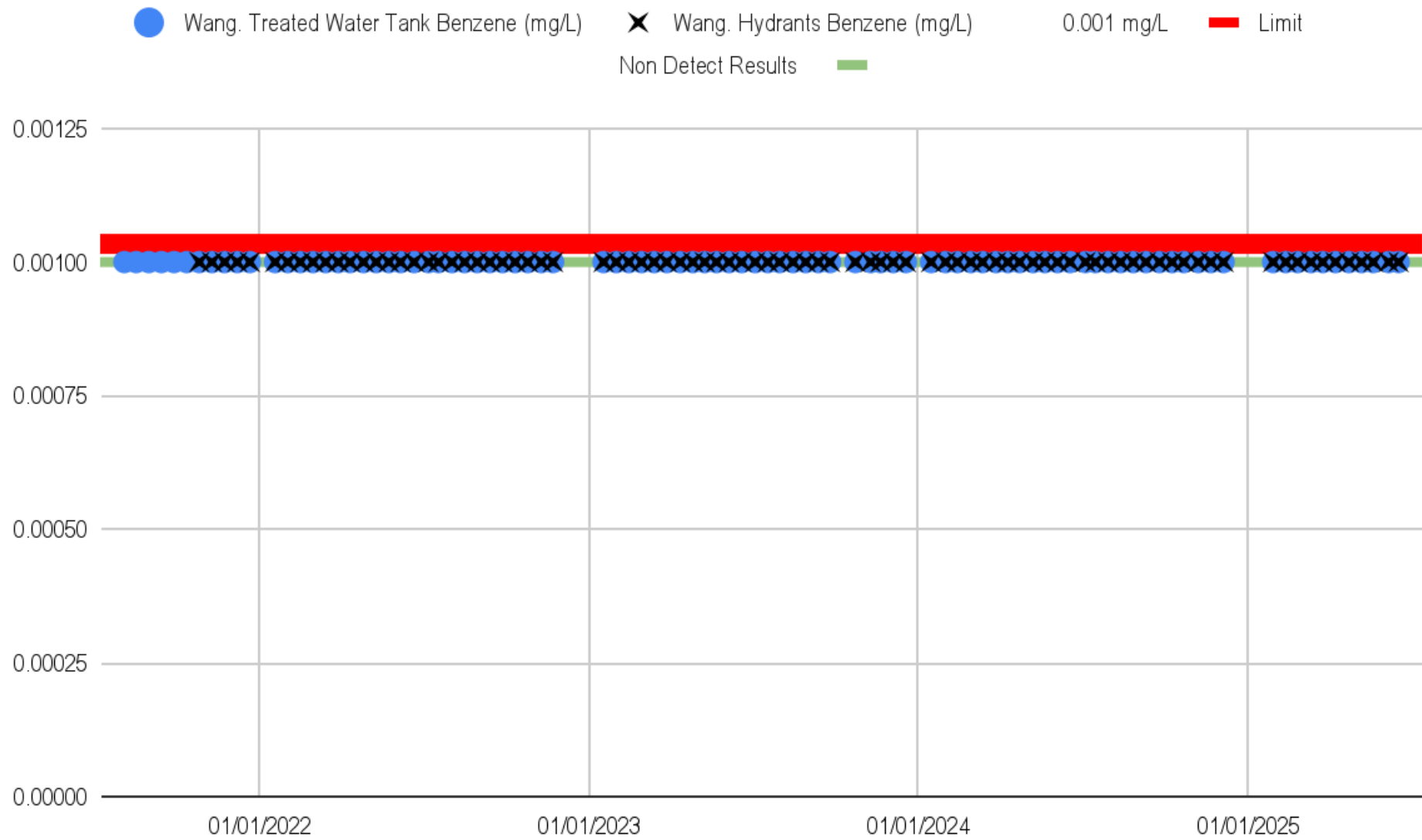


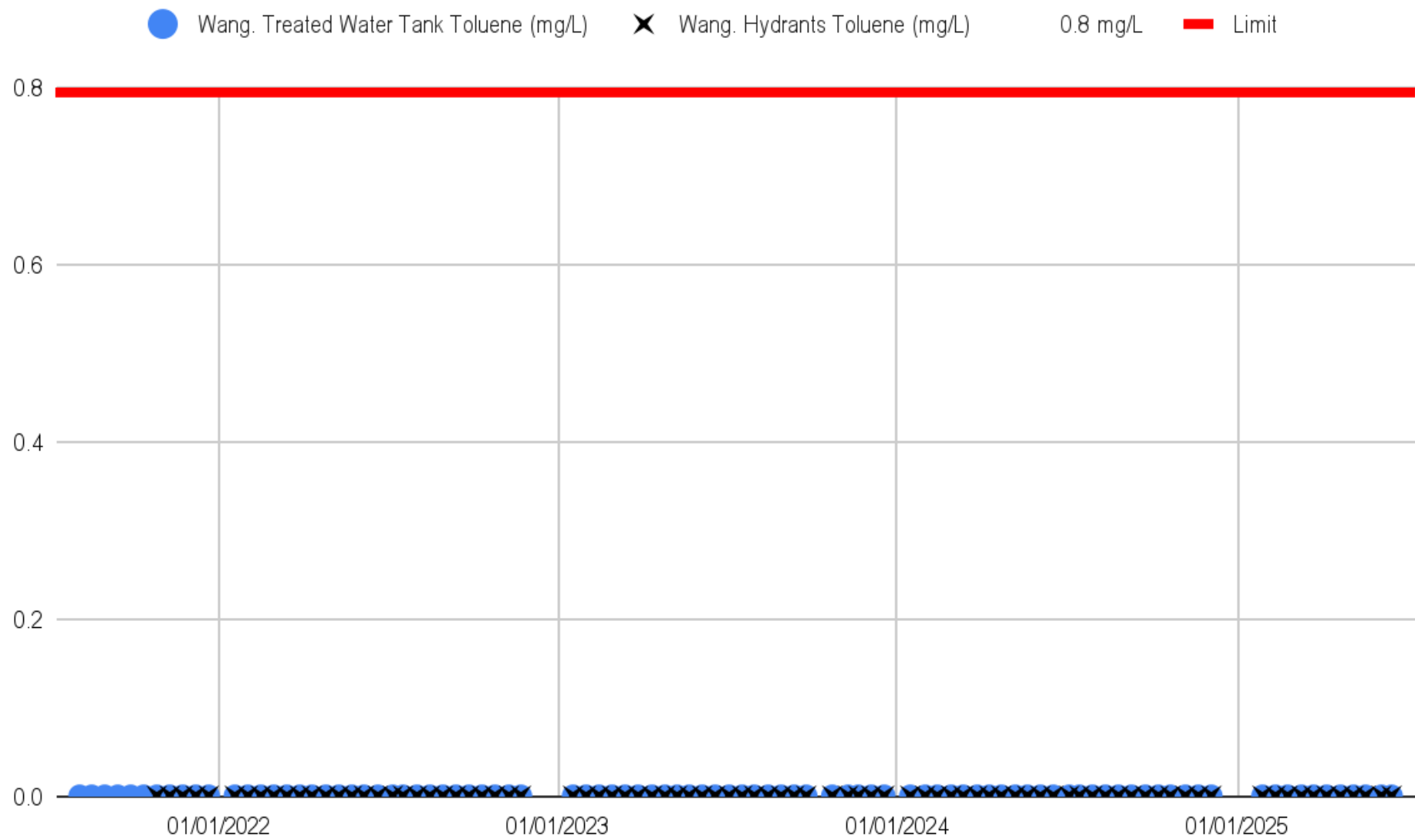


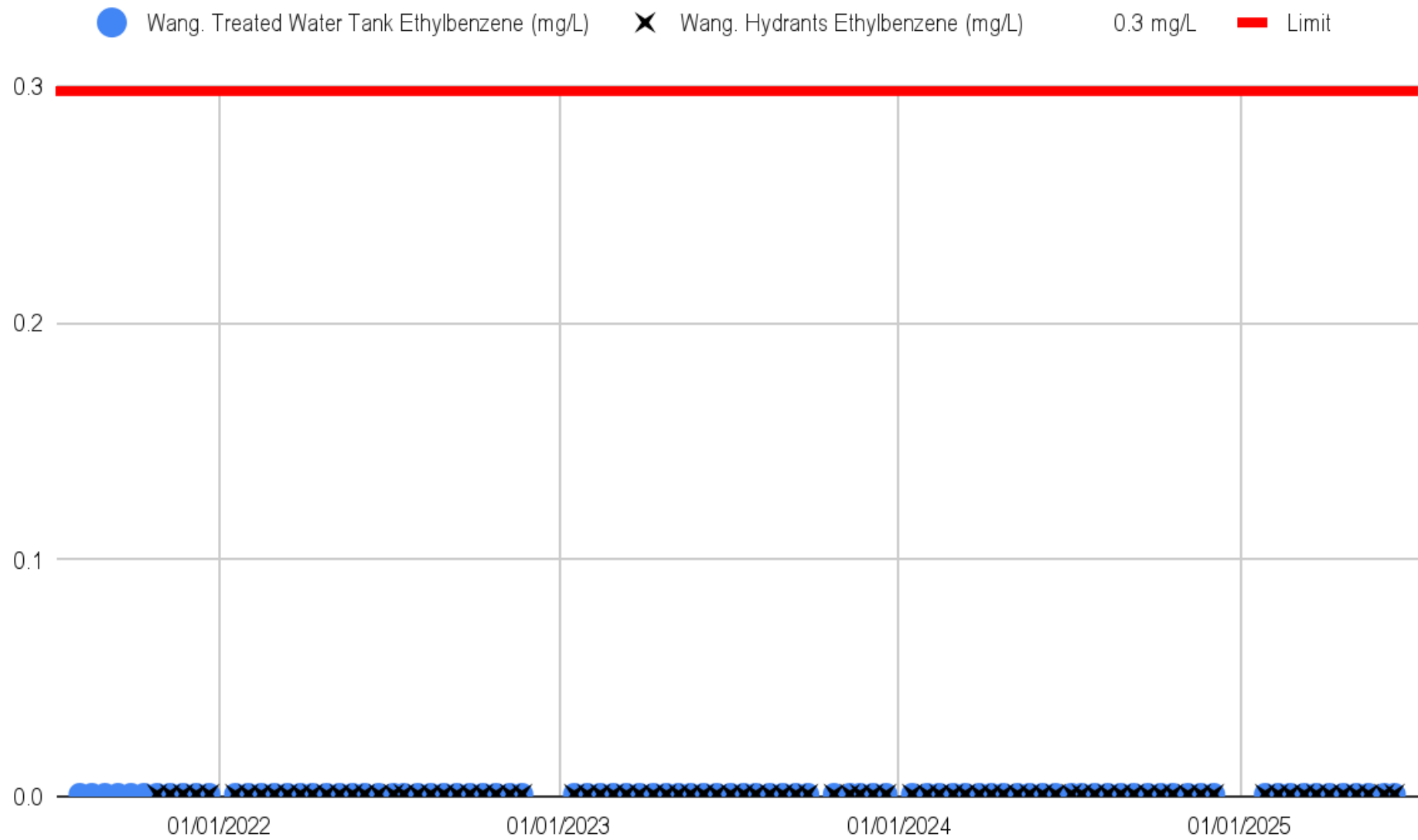
● Wang. Treated Water Tank Acid Soluble Aluminium (mg/L) ✕ Wang. Hydrants Acid Soluble Aluminium (mg/L) 0.2 mg/L
— Limit

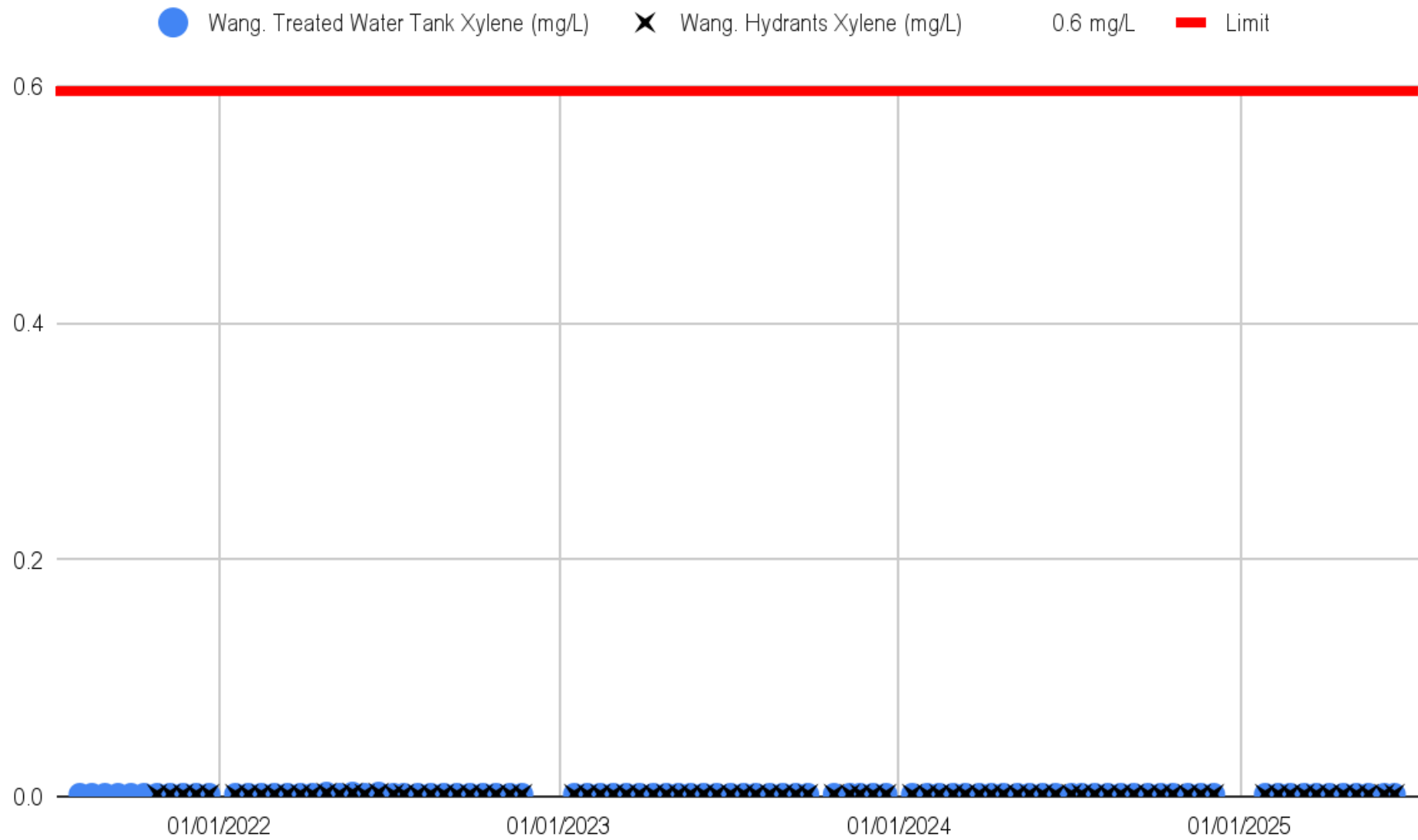




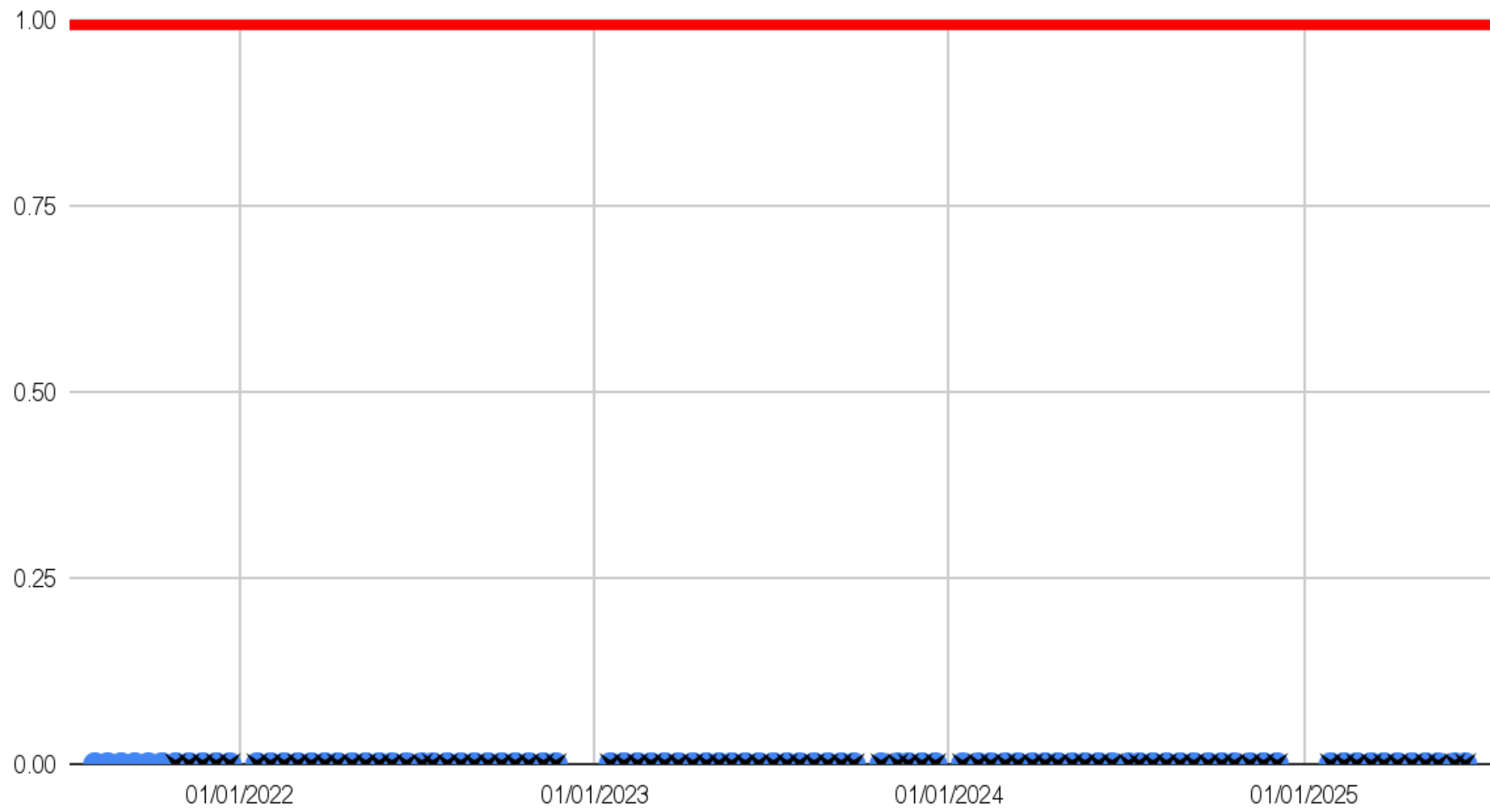




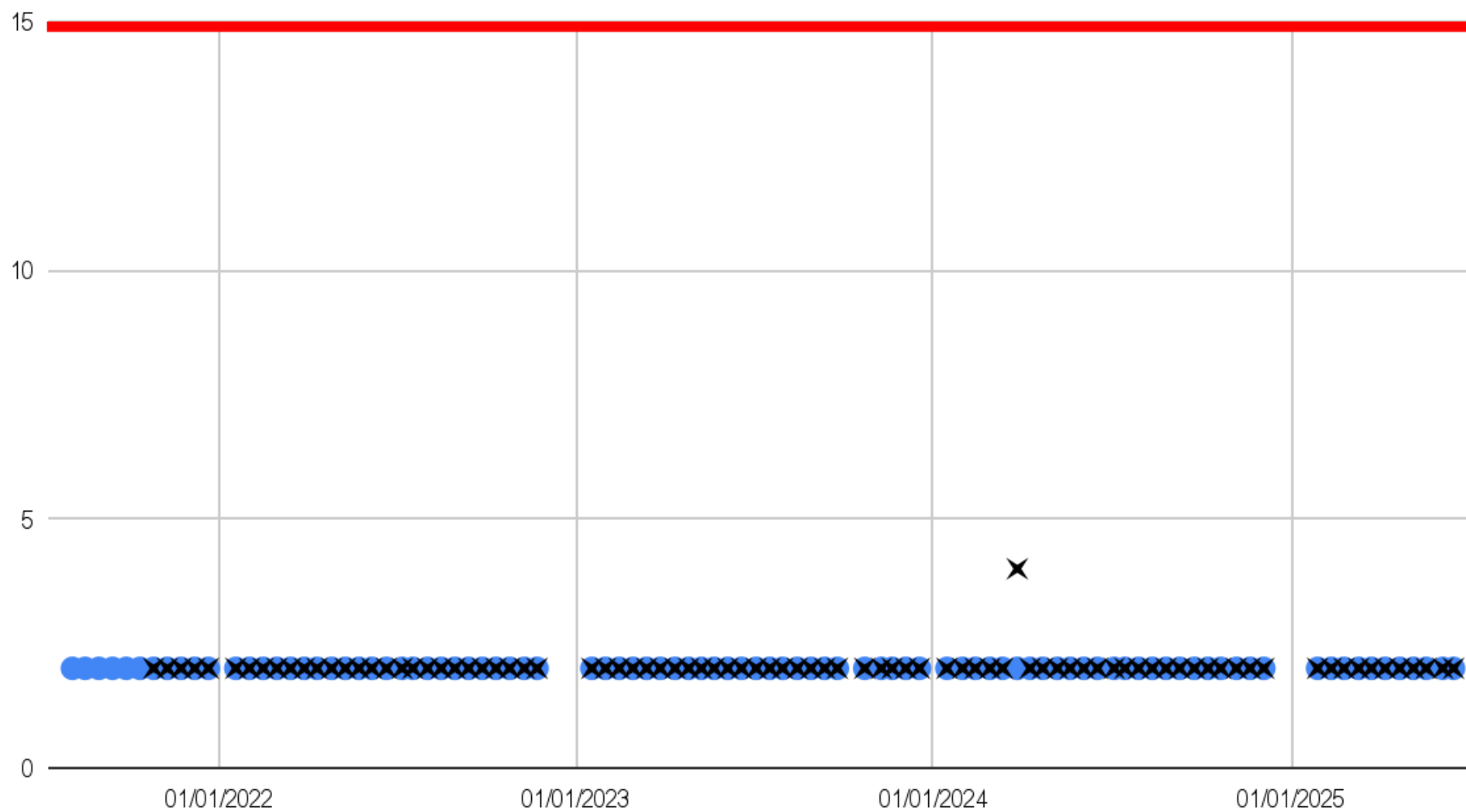


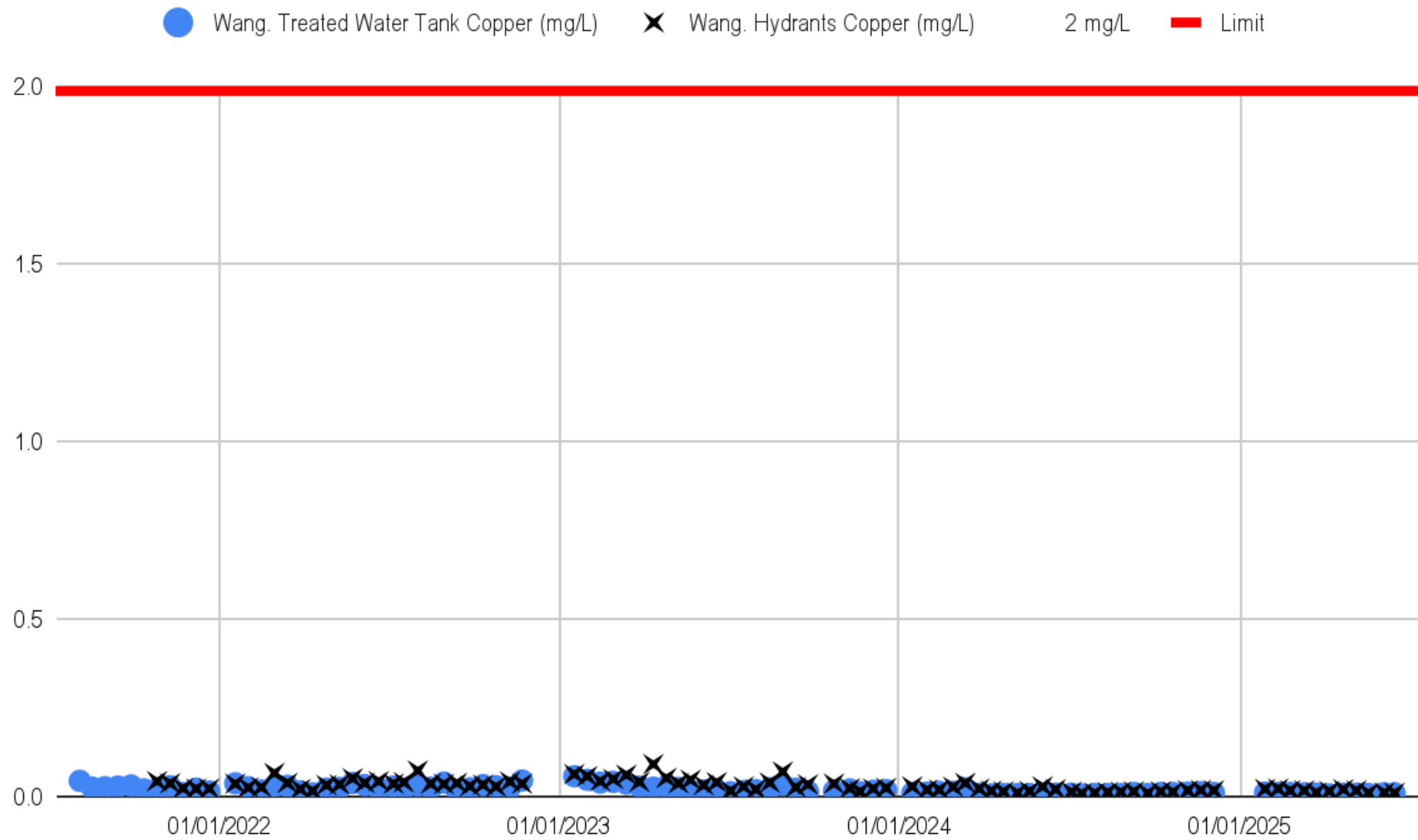


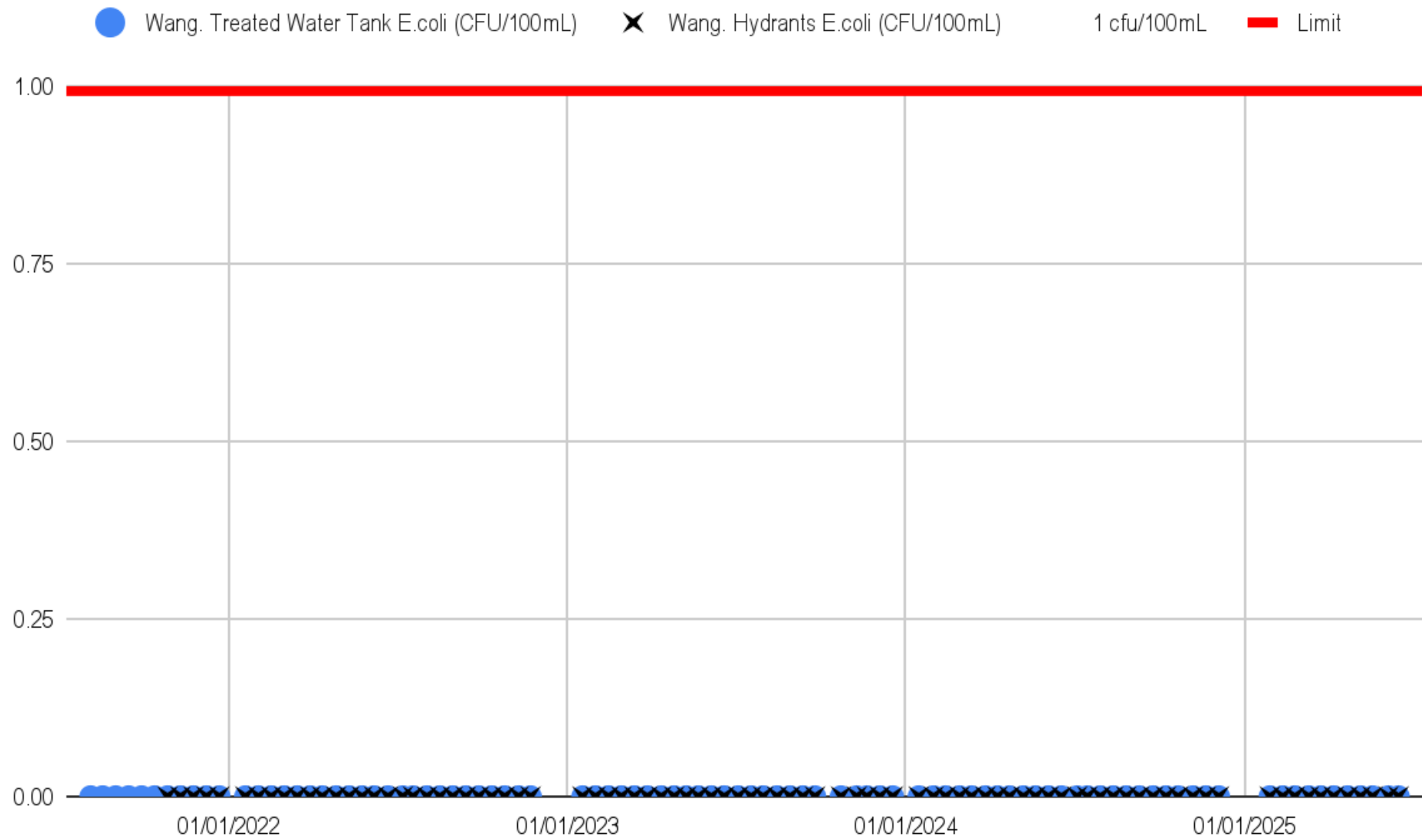
● Wang. Treated Water Tank Coliforms (CFU/100mL) ✕ Wang. Hydrants Coliforms (CFU/100mL) 1 cfu/100mL ■ Limit

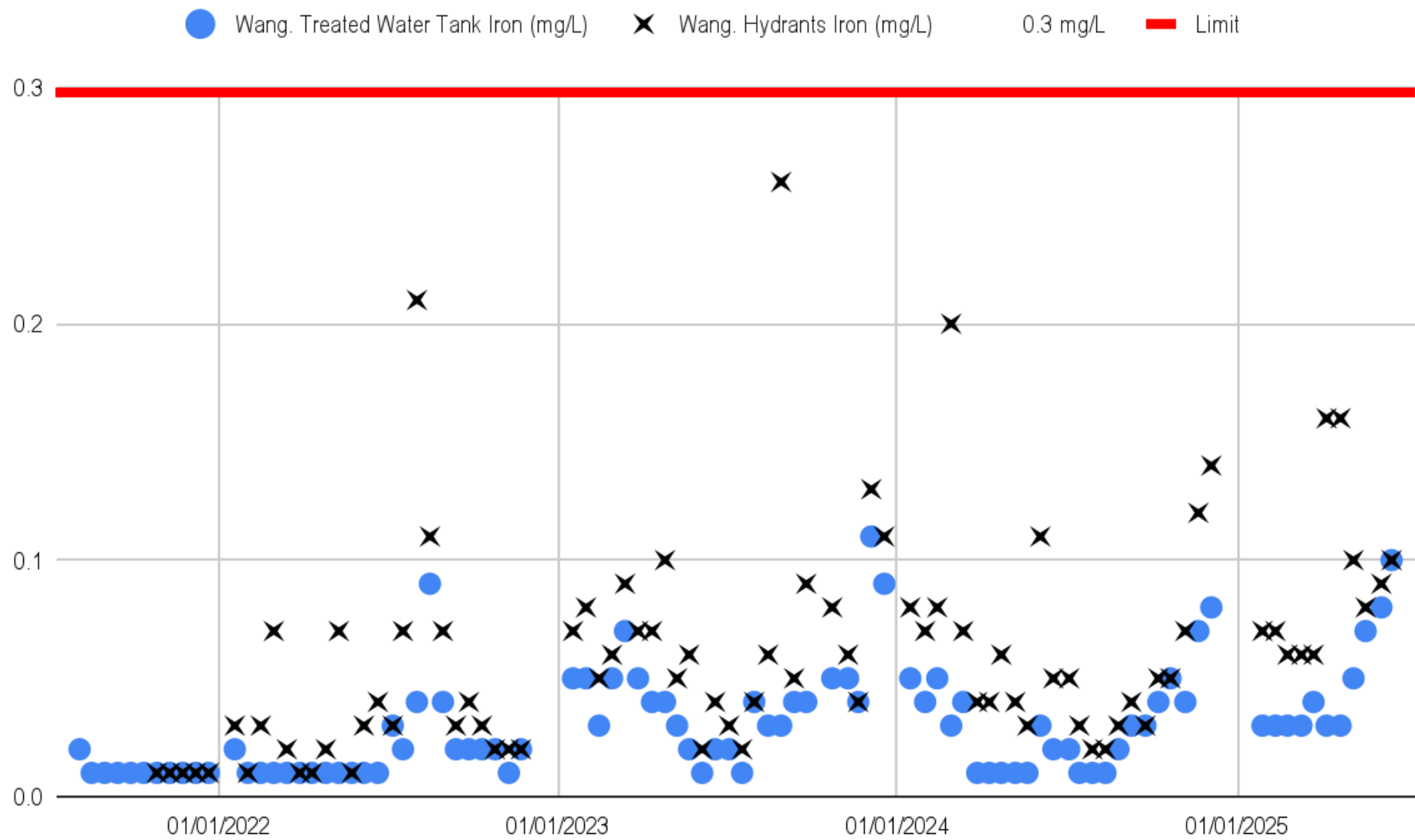


● Wang. Treated Water Tank Colour (Pt/Co) ✕ Wang. Hydrants Colour (Pt/Co) 15 Pt/Co — Limit

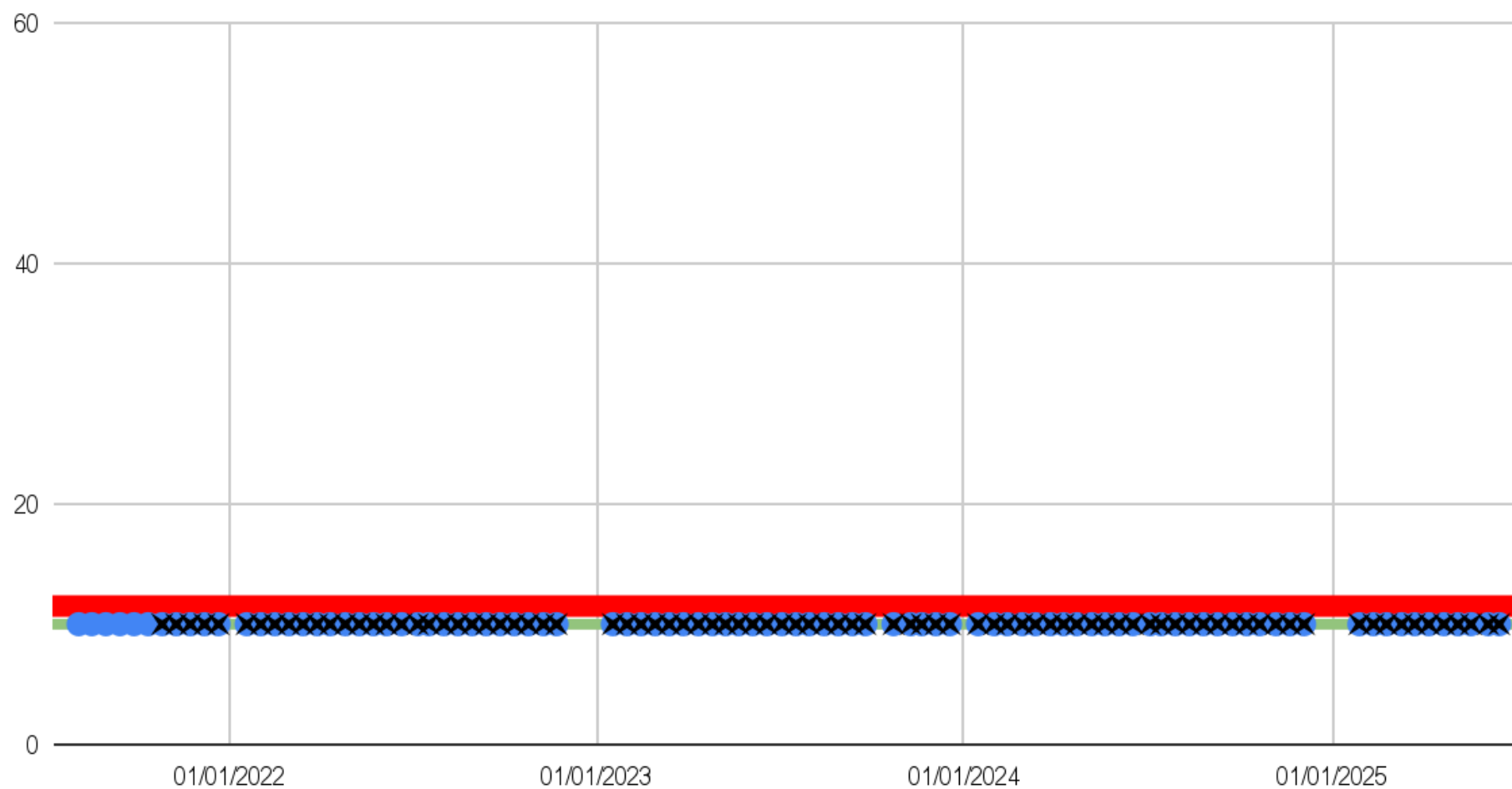


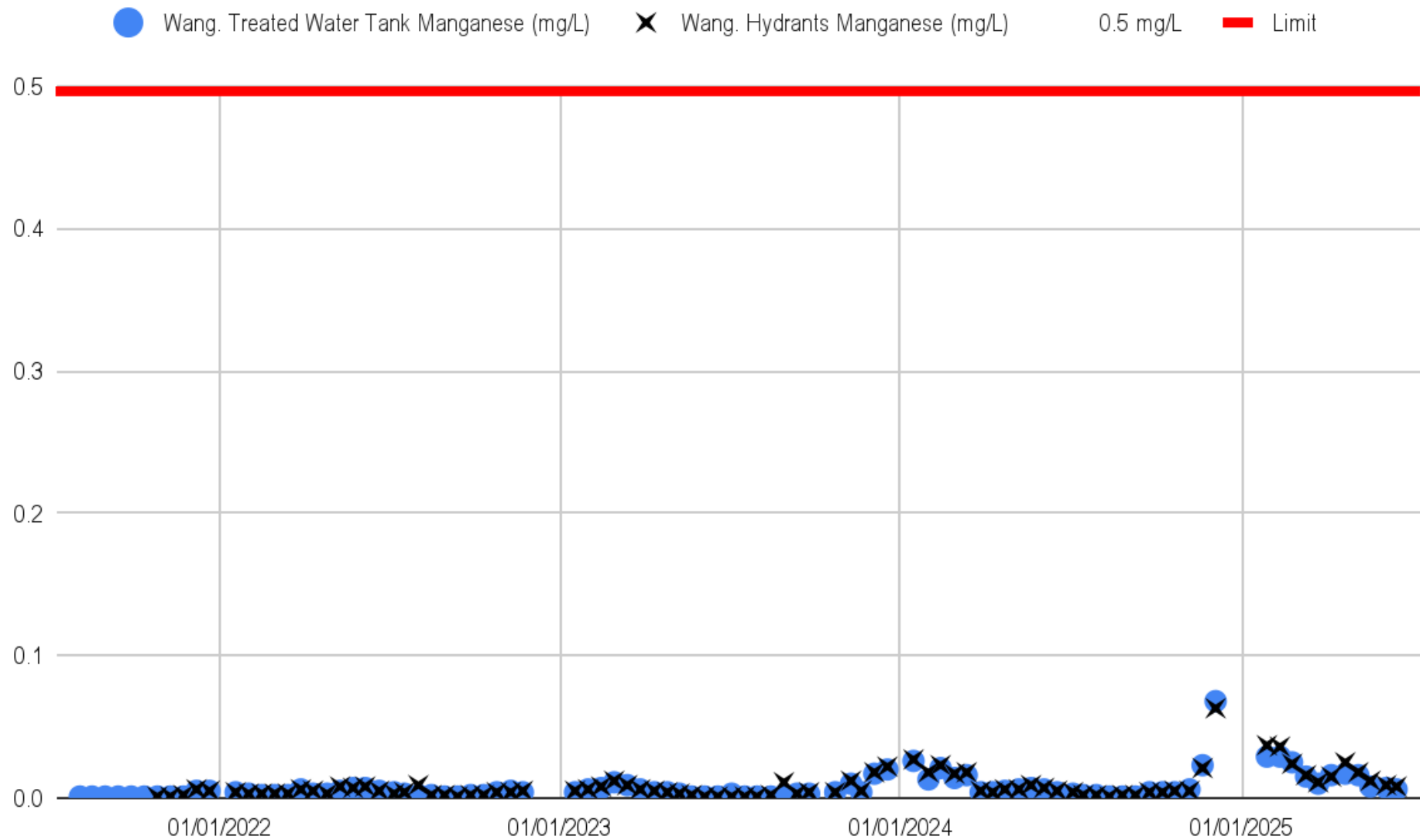


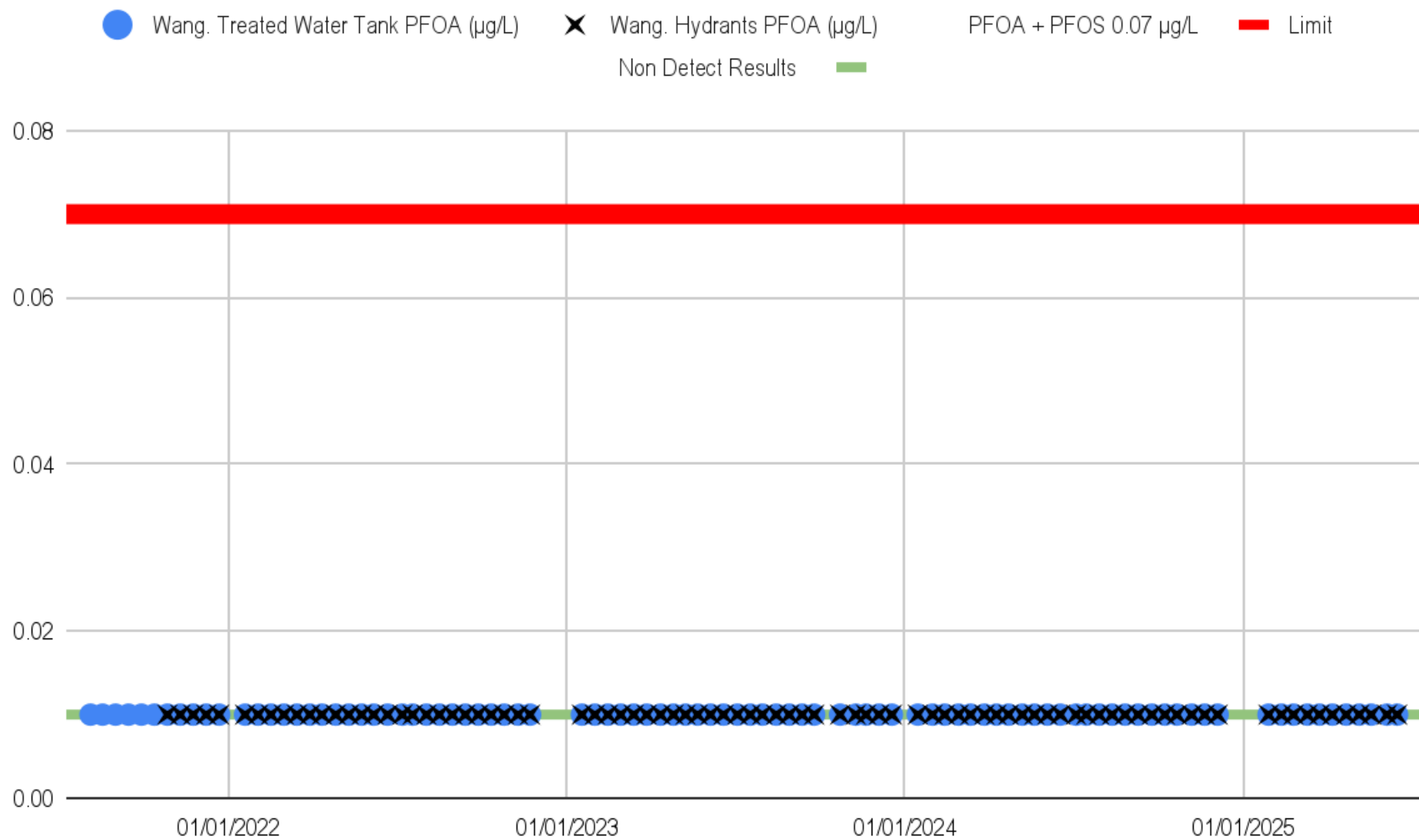


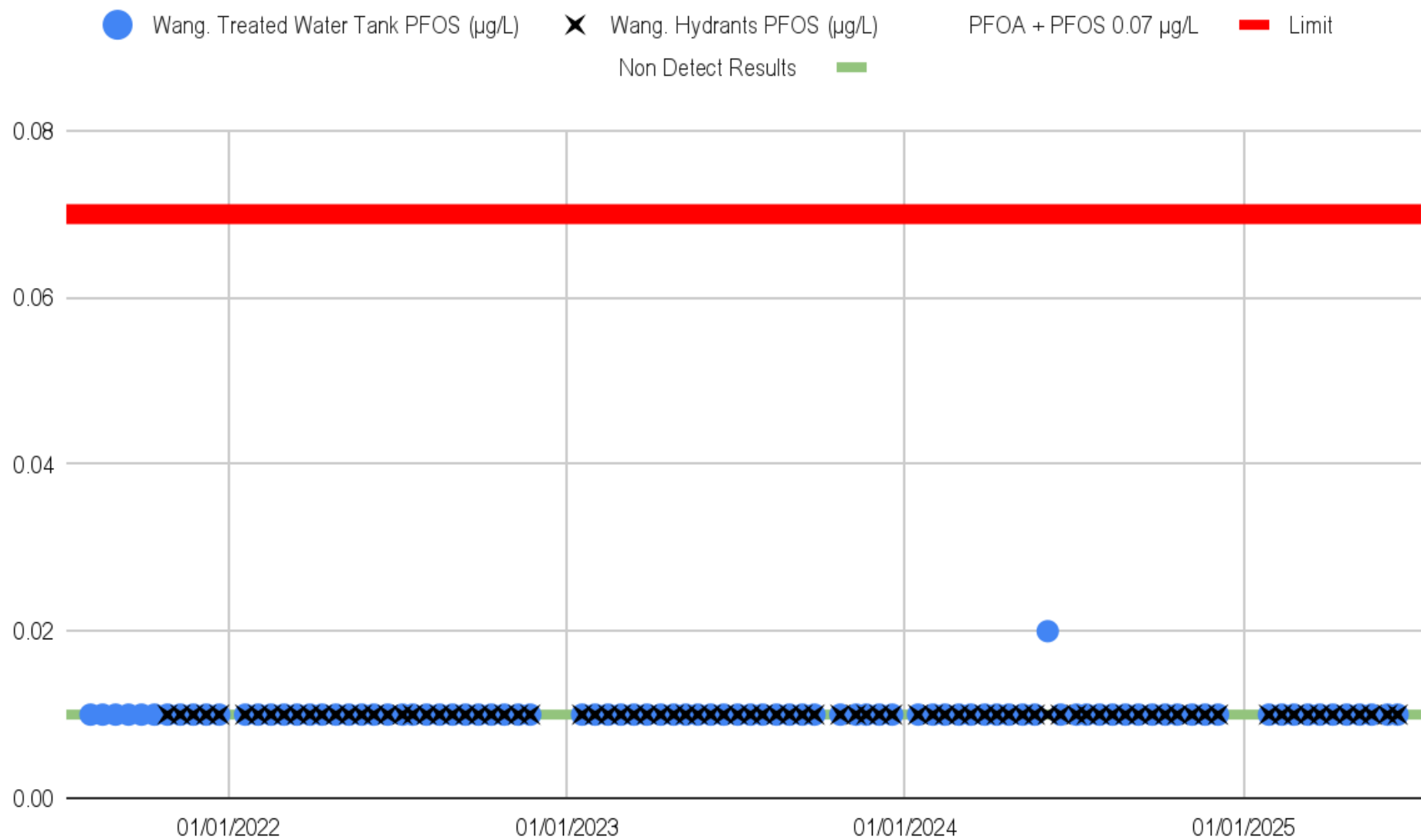


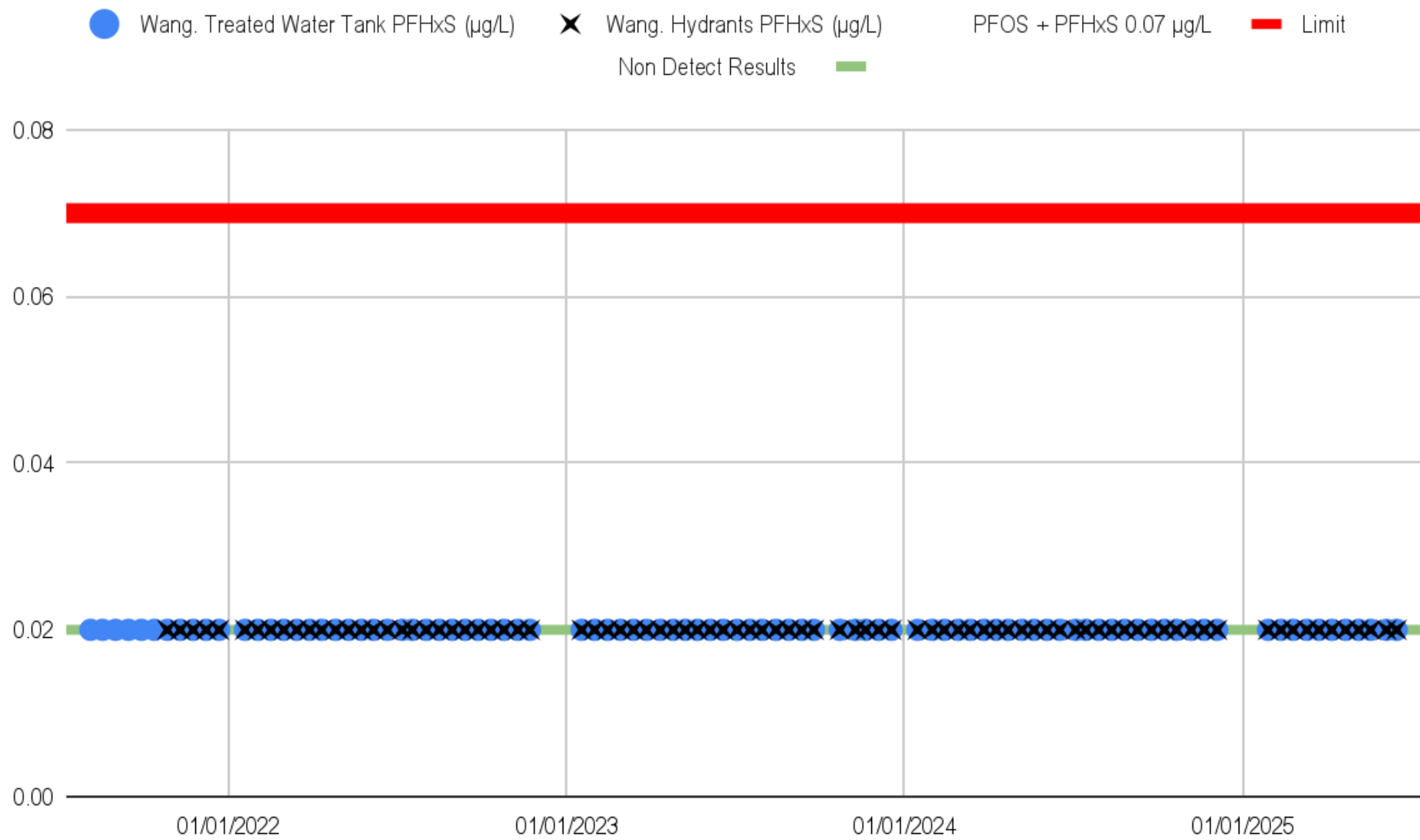
● Wang. Treated Water Tank Total Legionella (CFU/mL) ✕ Wang. Hydrants Total Legionella (CFU/mL) 10 cfu/mL ■ Limit
Non Detect Results ■

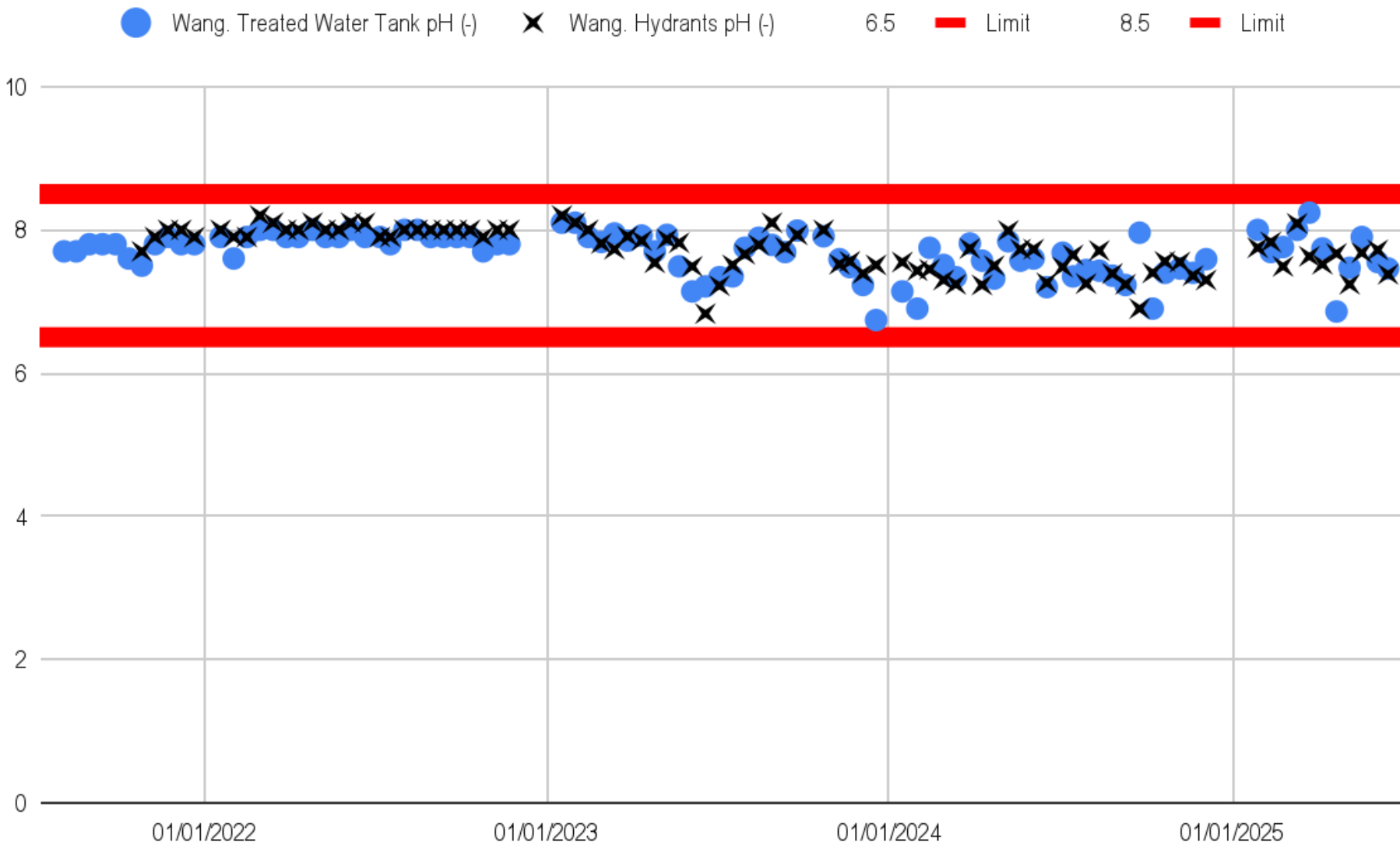


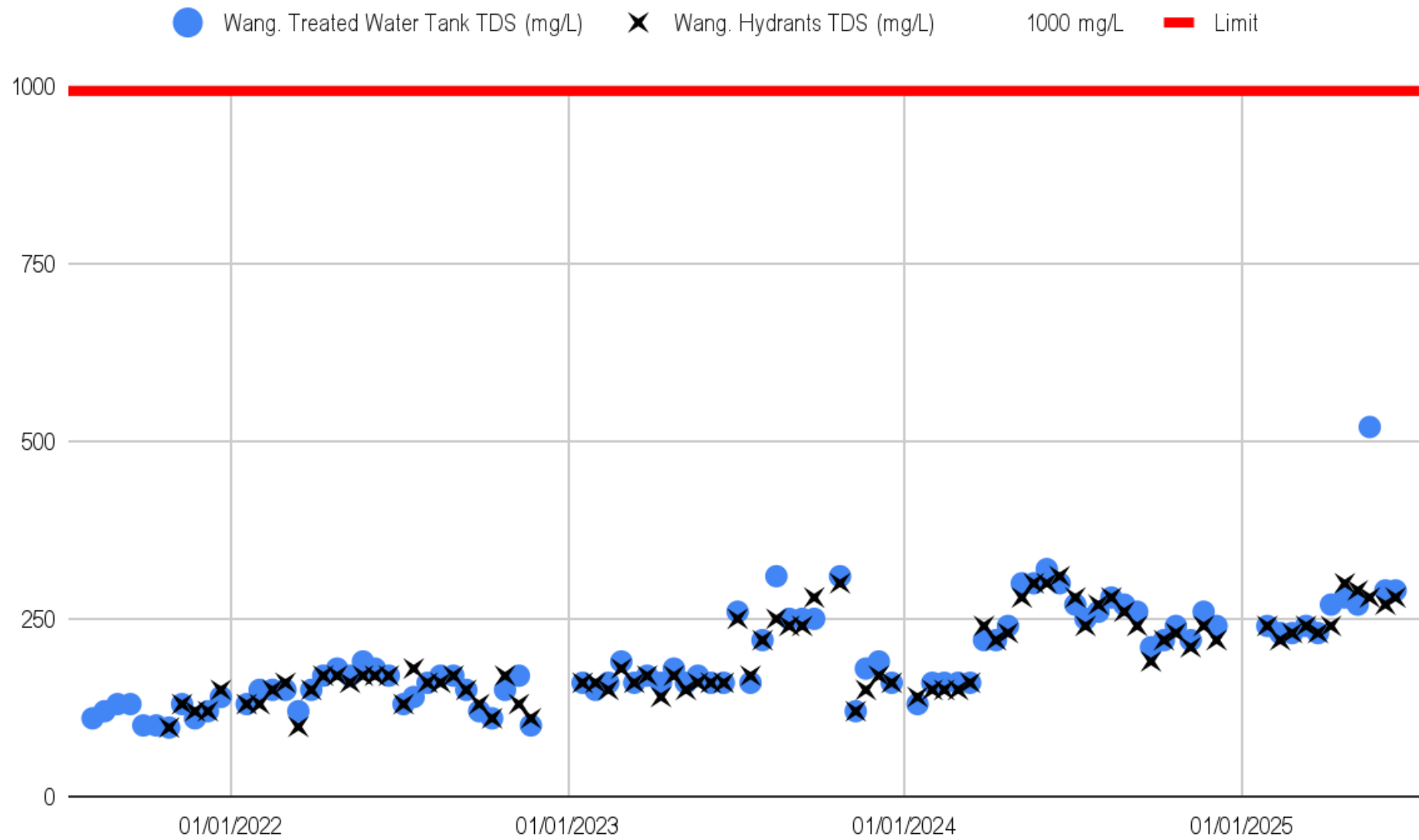


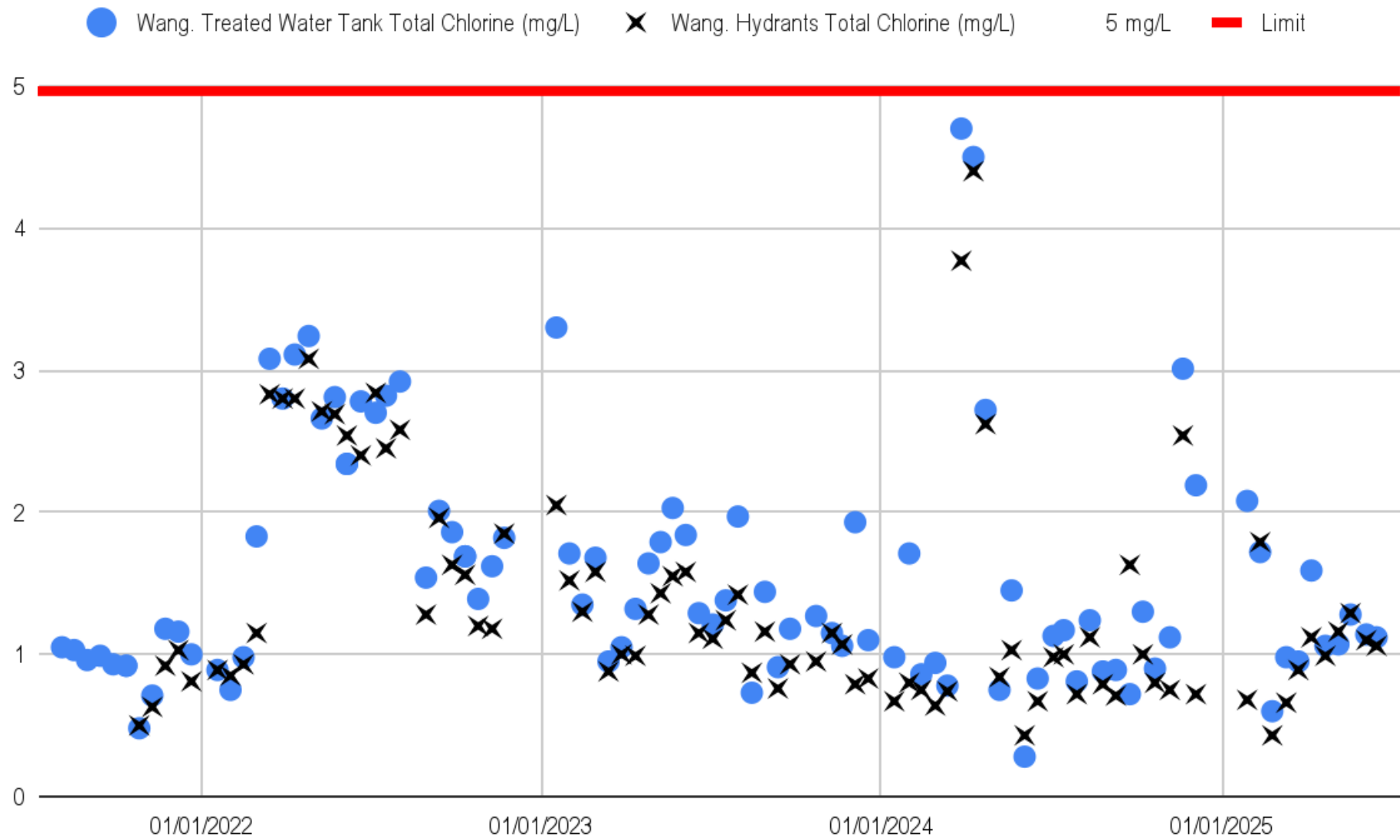


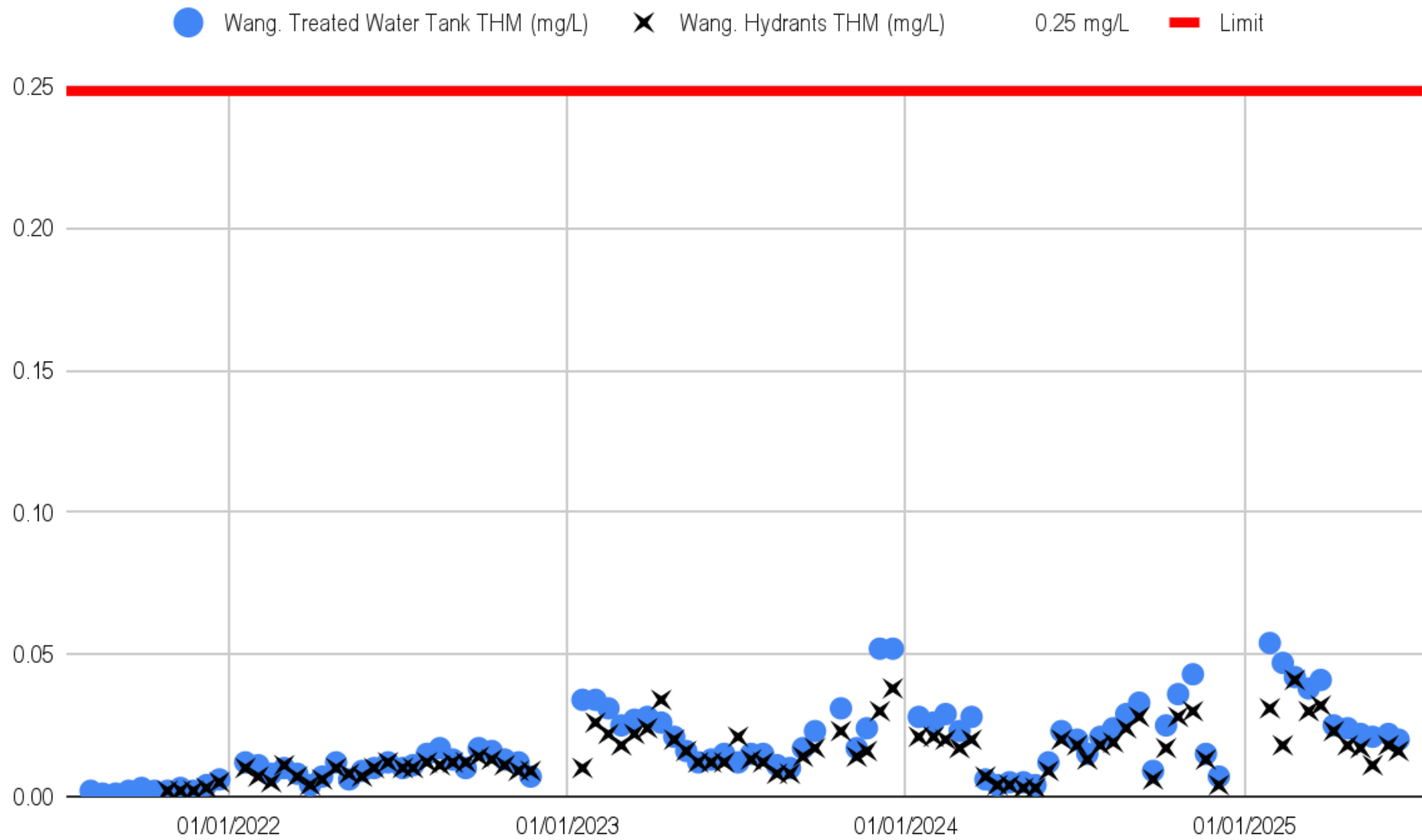


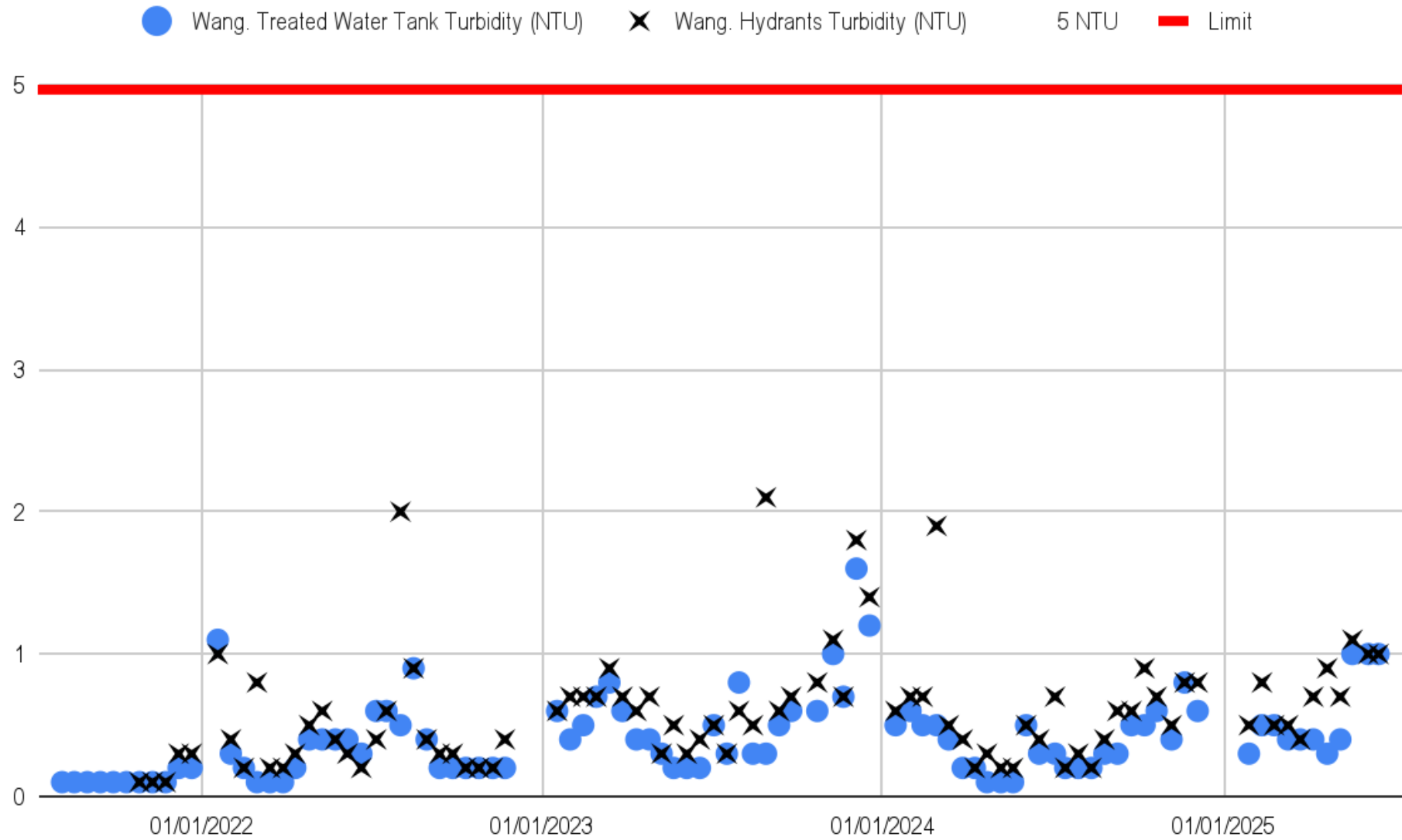




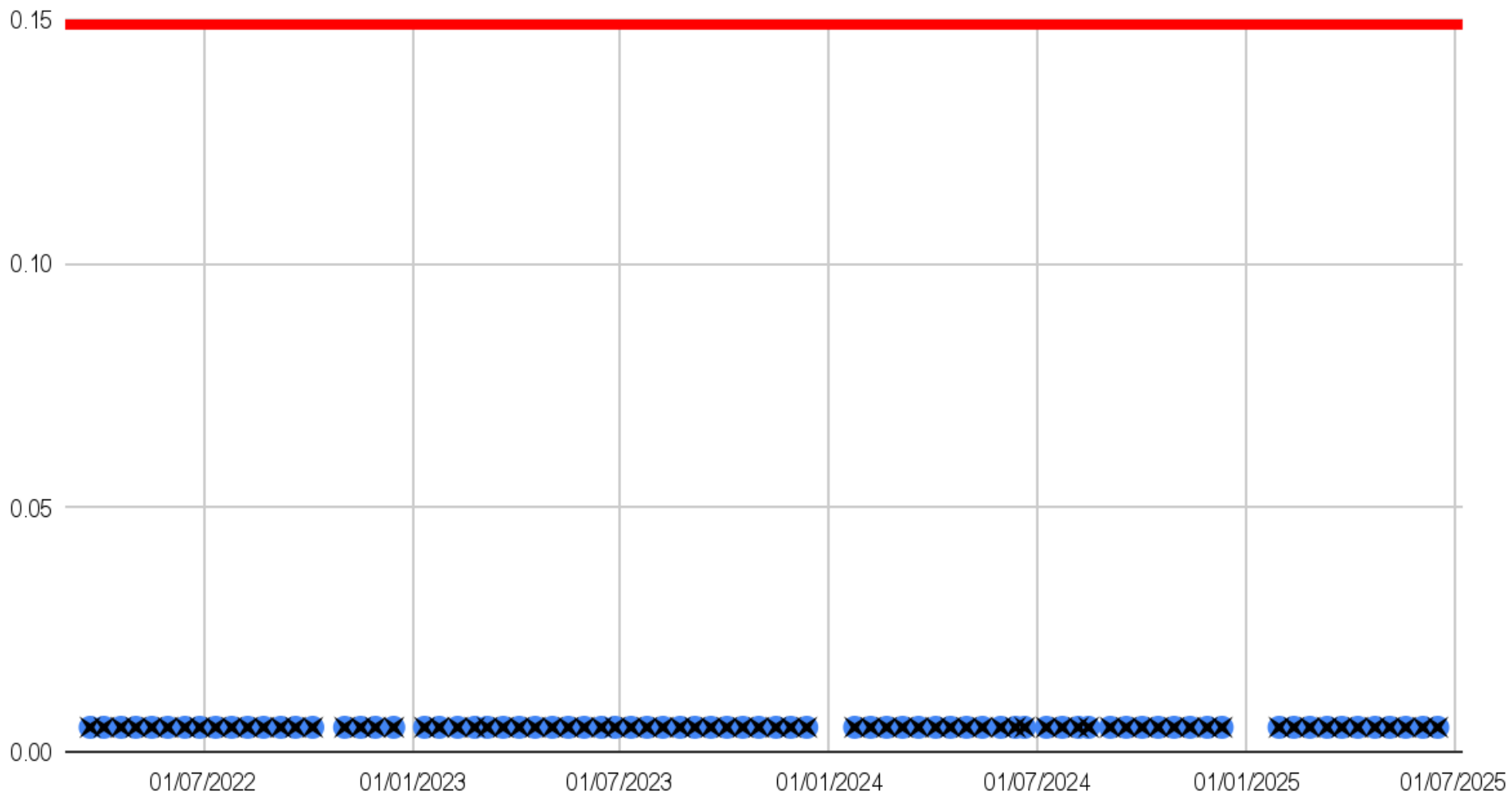


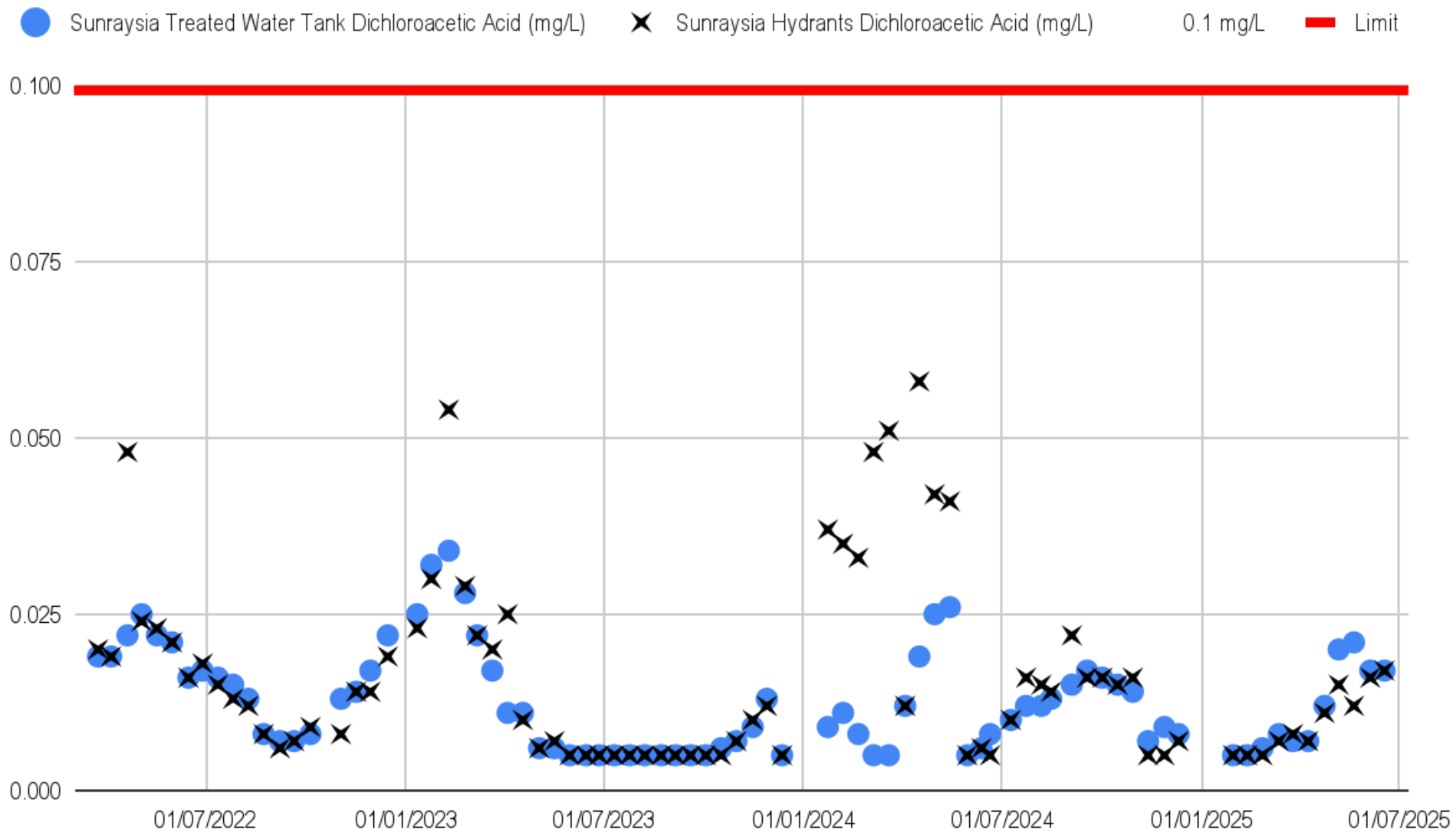


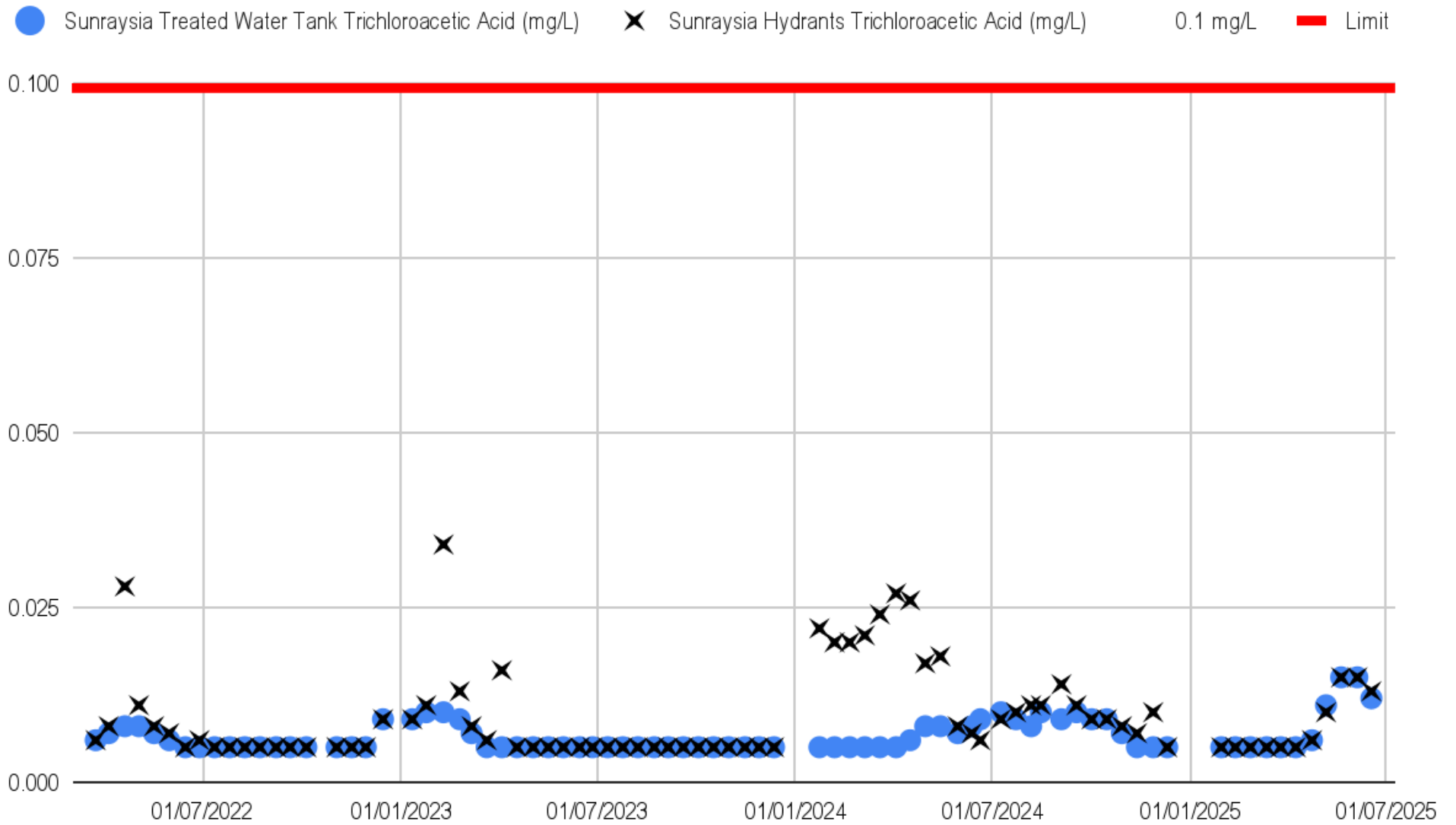


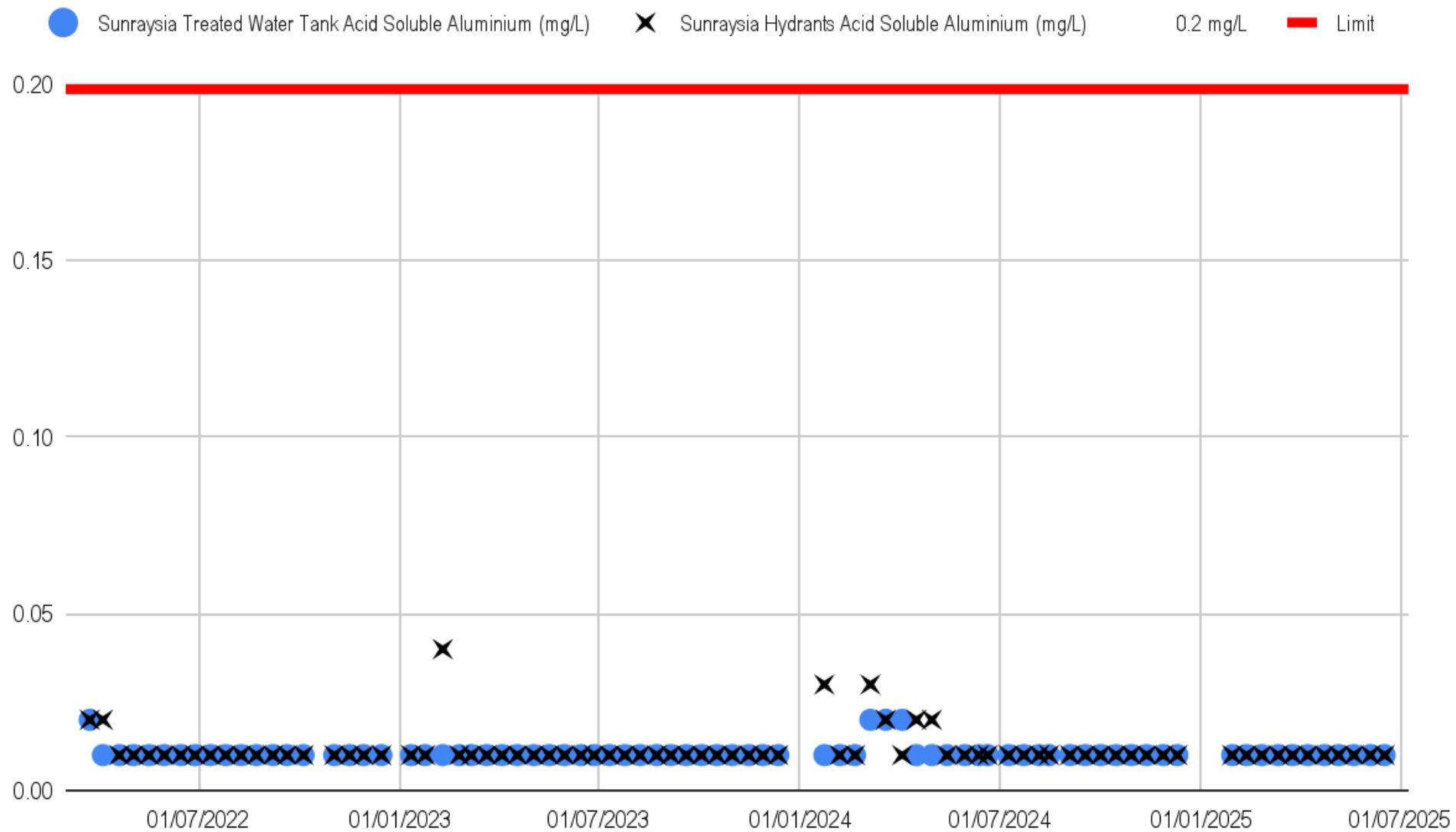


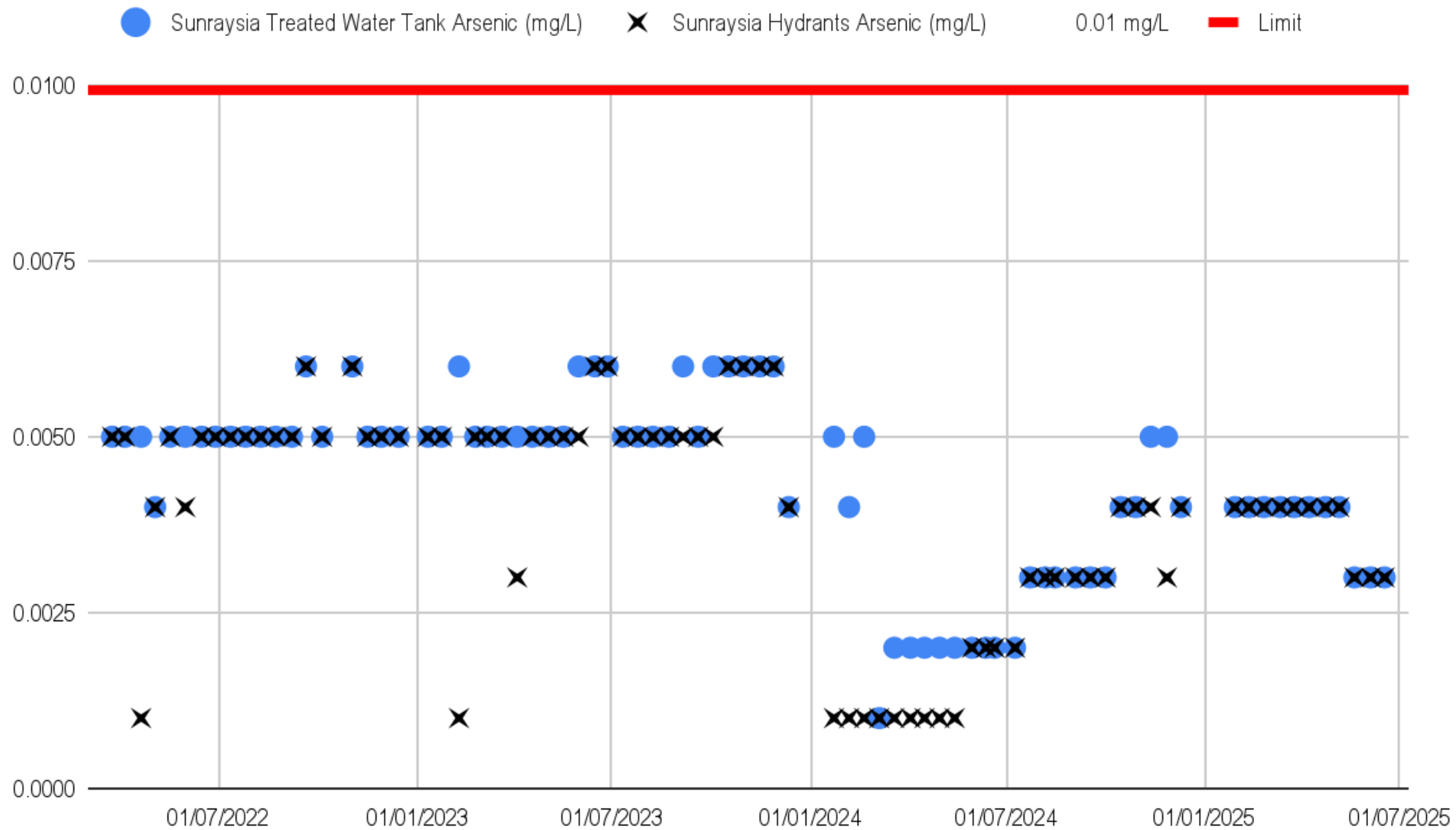
● Sunraysia Treated Water Tank Chloroacetic Acid (mg/L) ✕ Sunraysia Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L ■ Limit



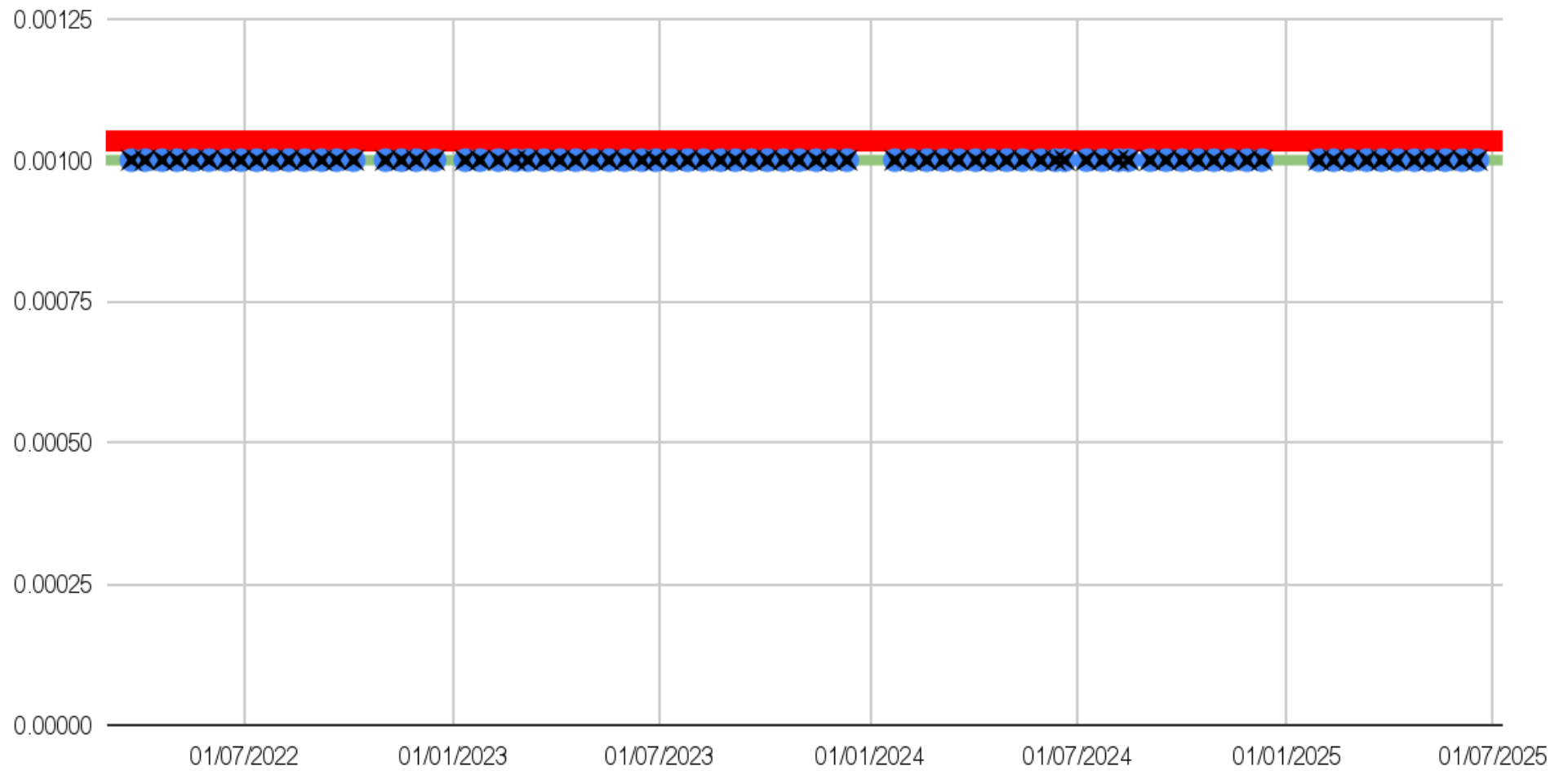


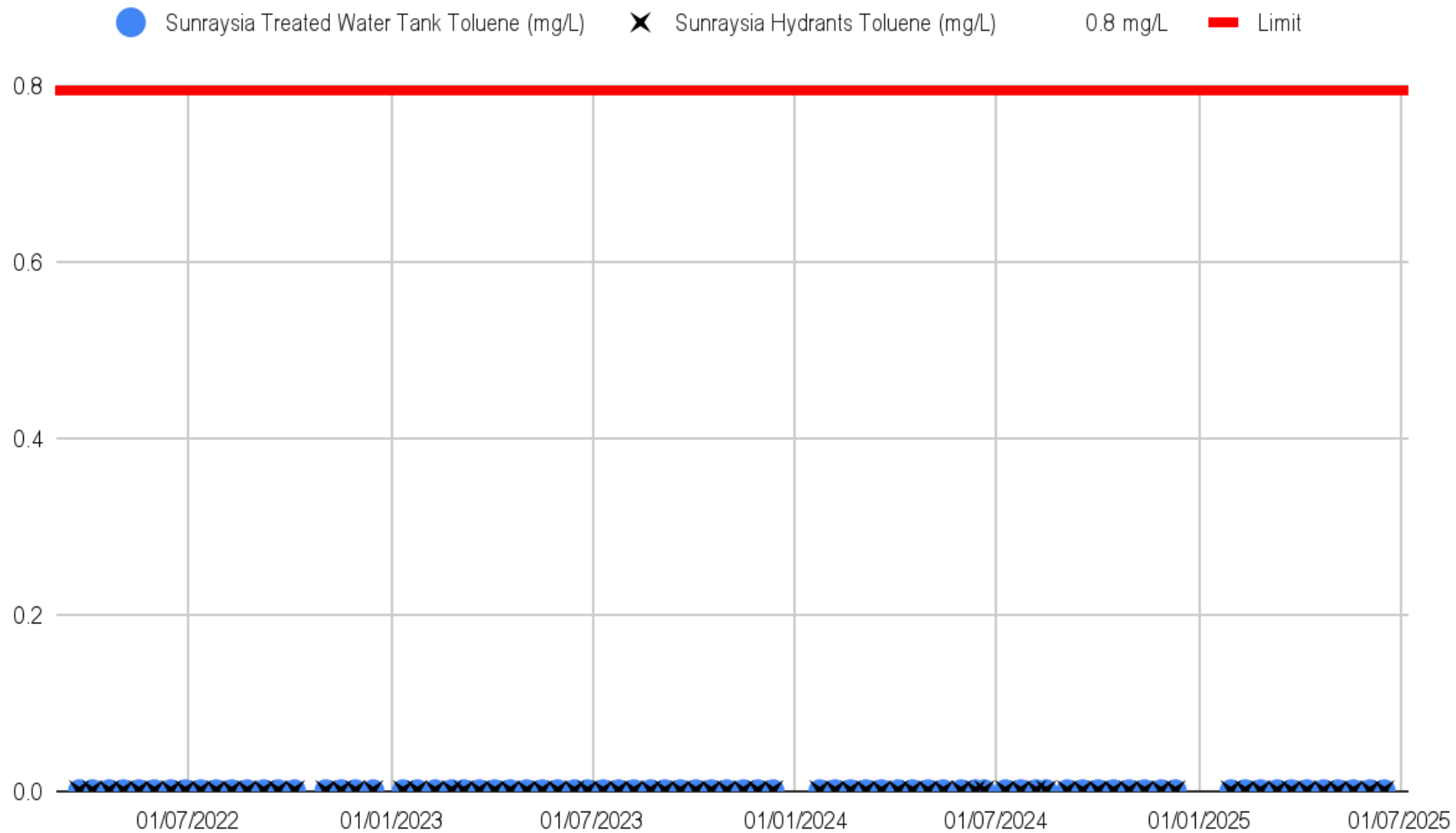


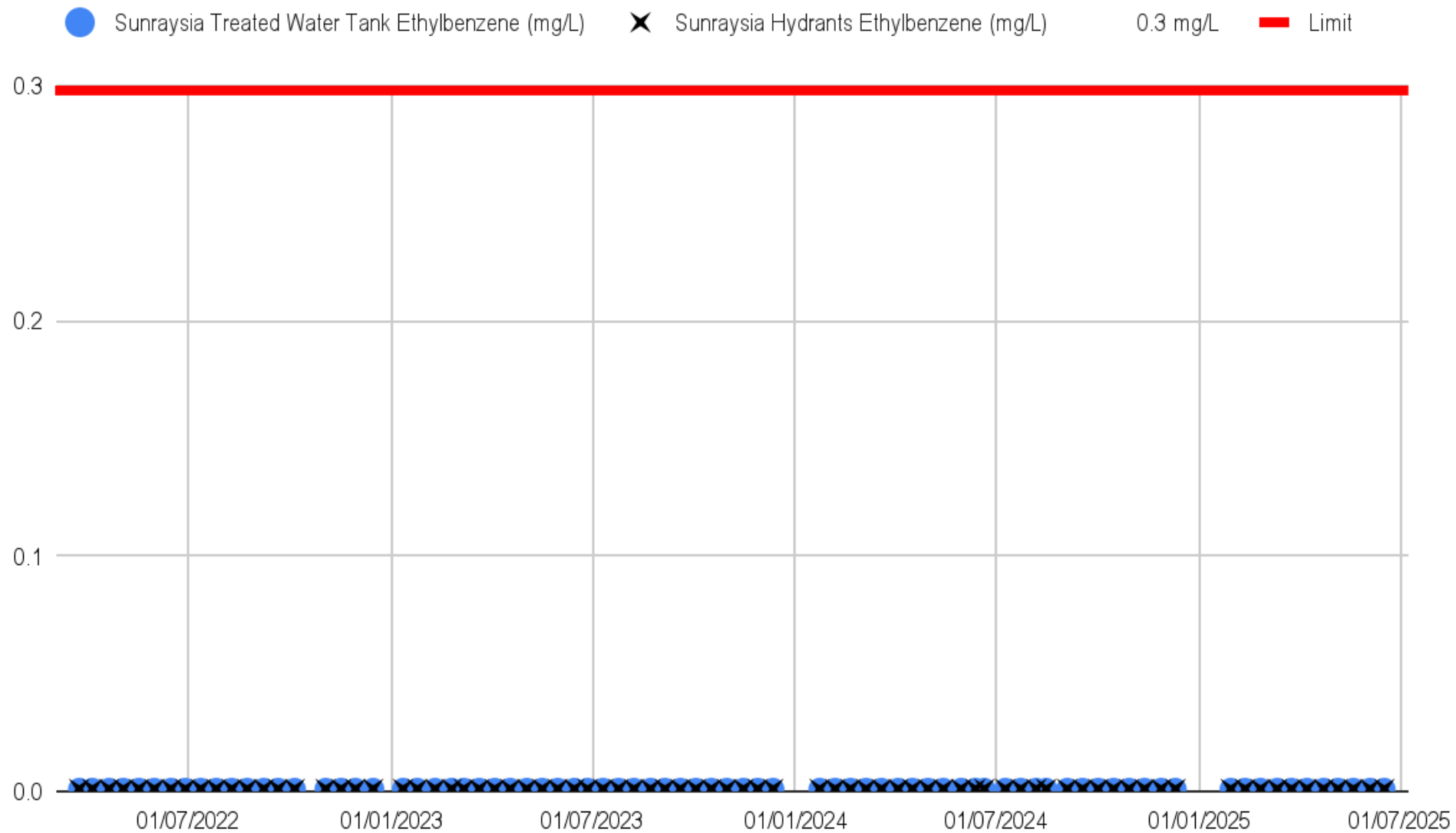


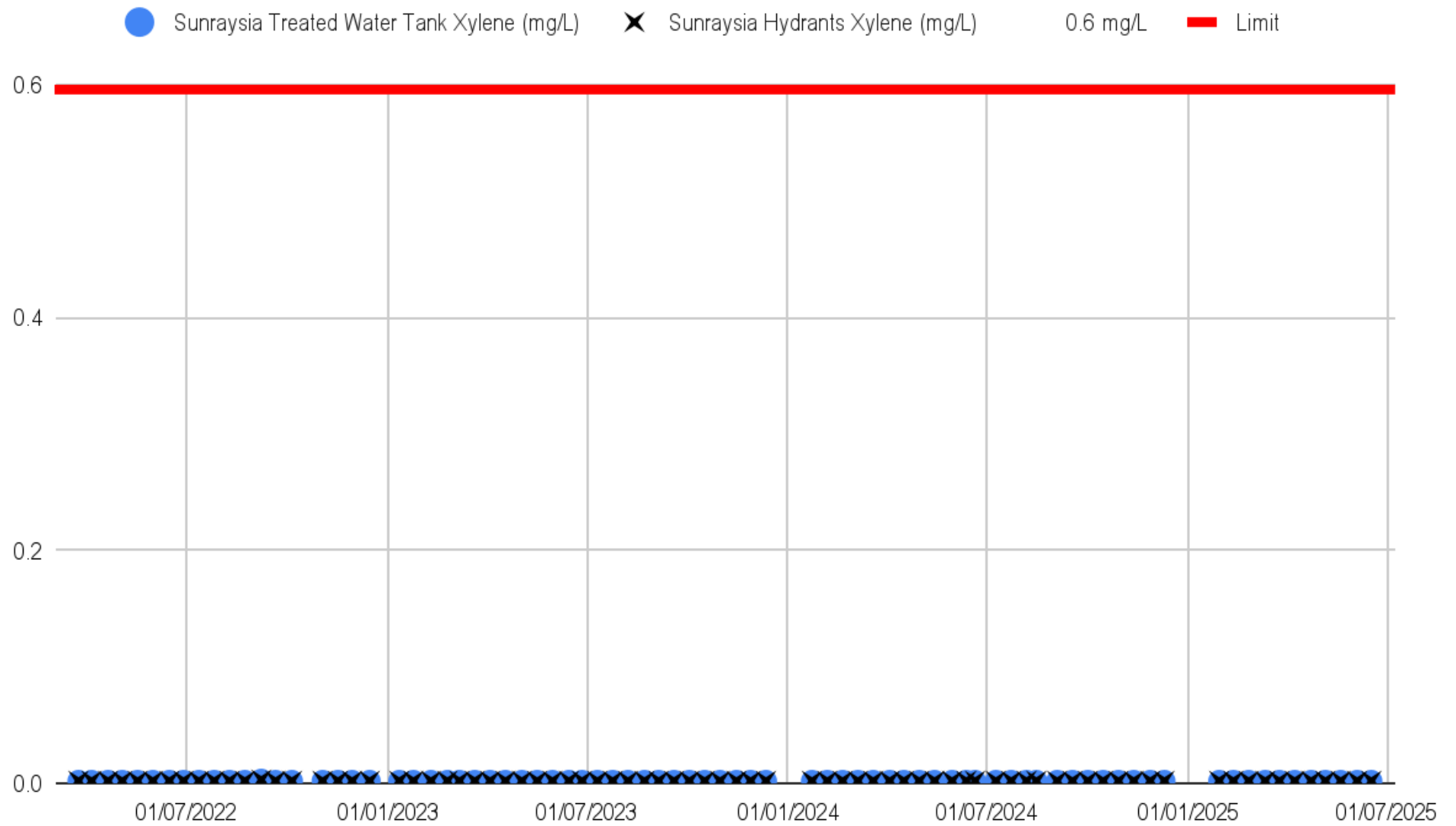


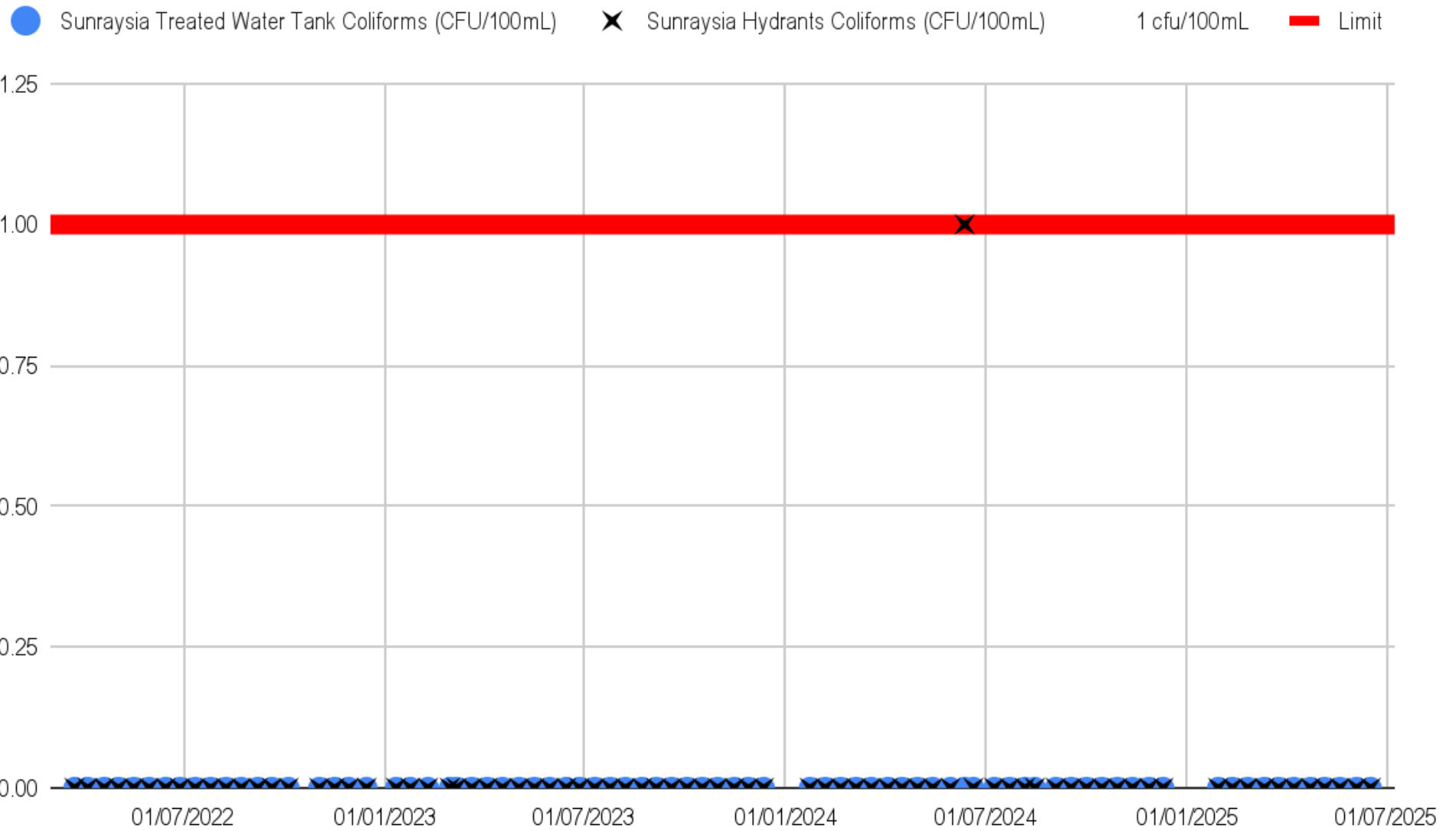
● Sunraysia Treated Water Tank Benzene (mg/L) ✕ Sunraysia Hydrants Benzene (mg/L) 0.001 mg/L ■ Limit
Non Detect Results ■

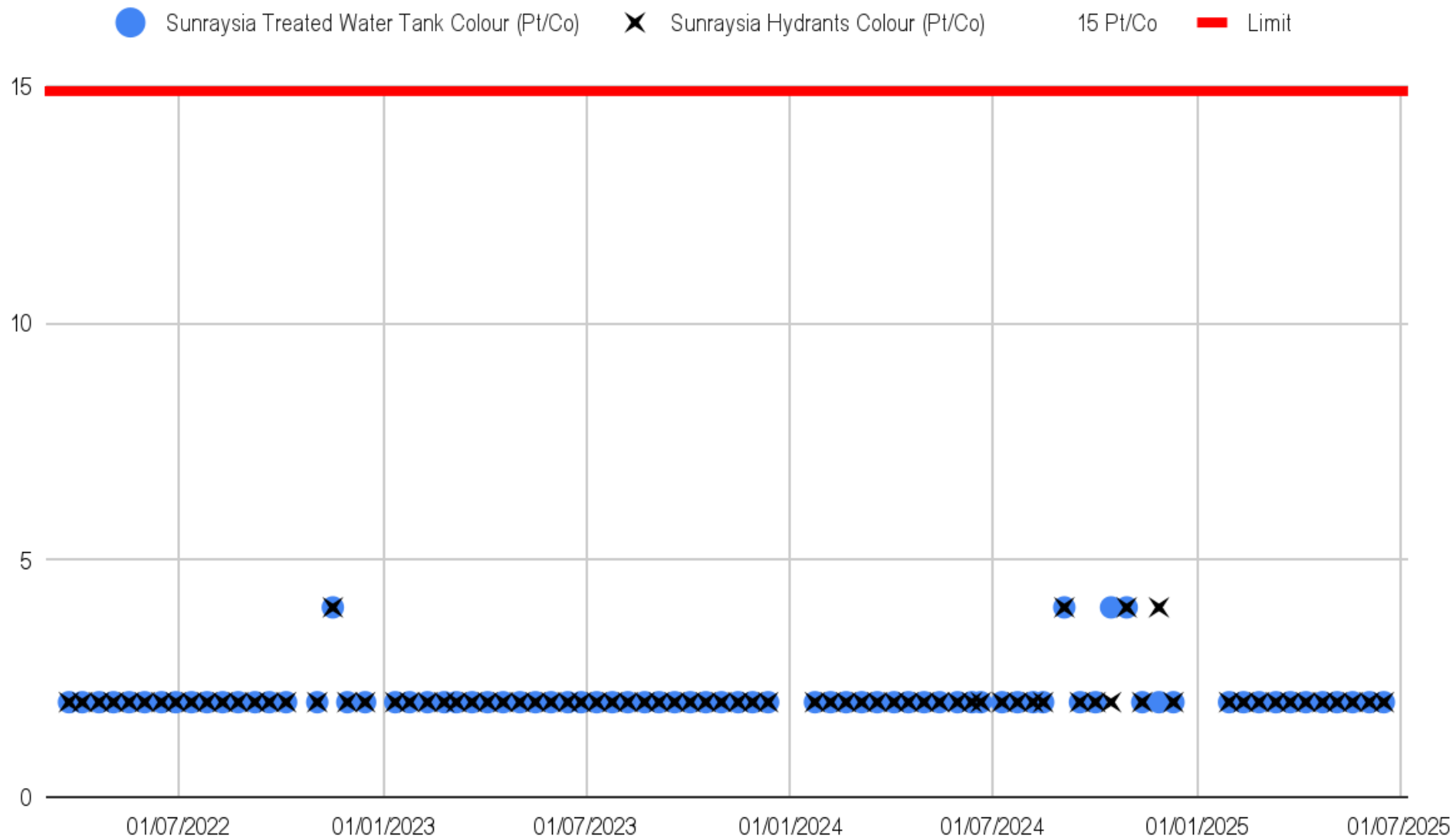


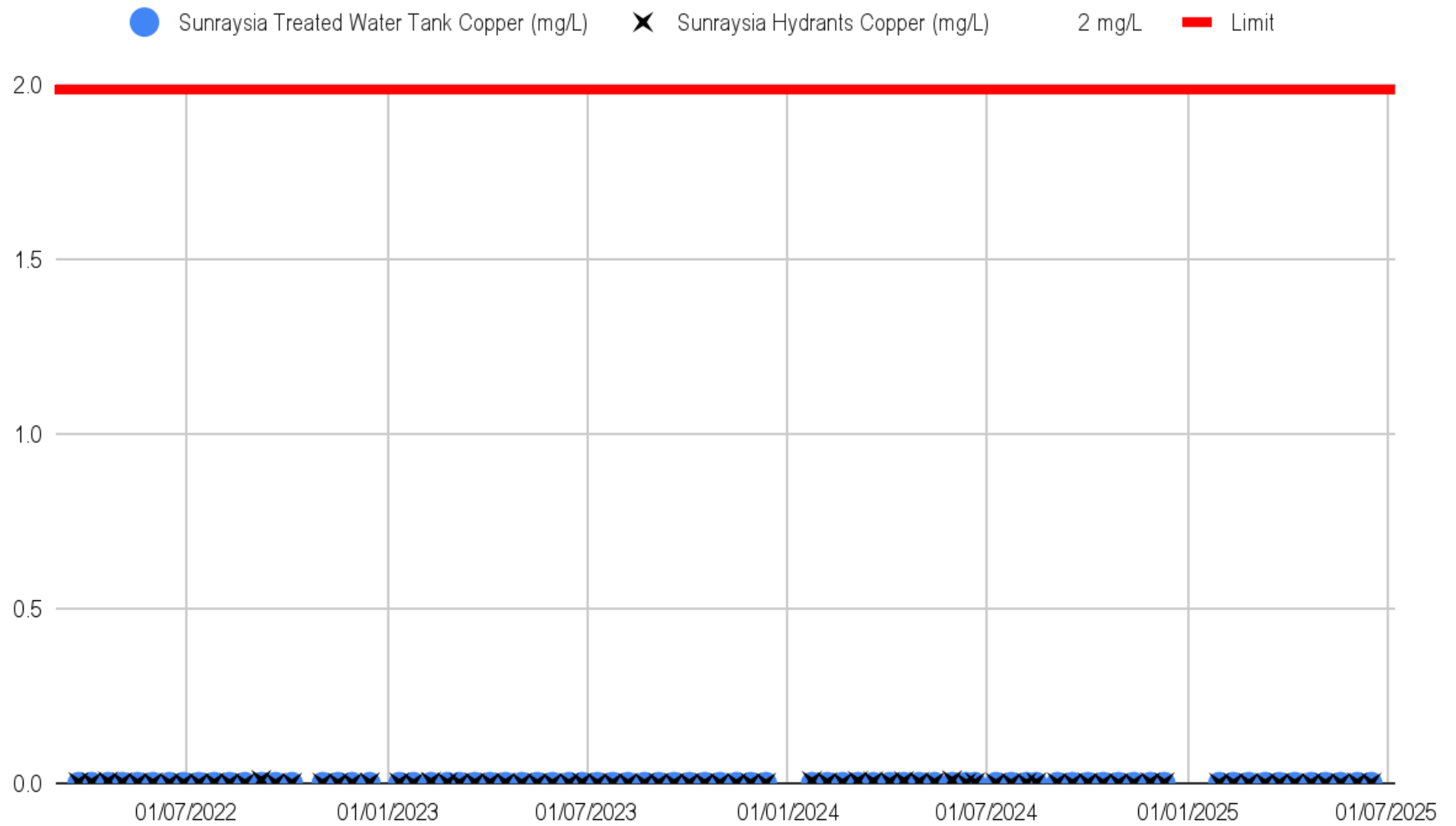


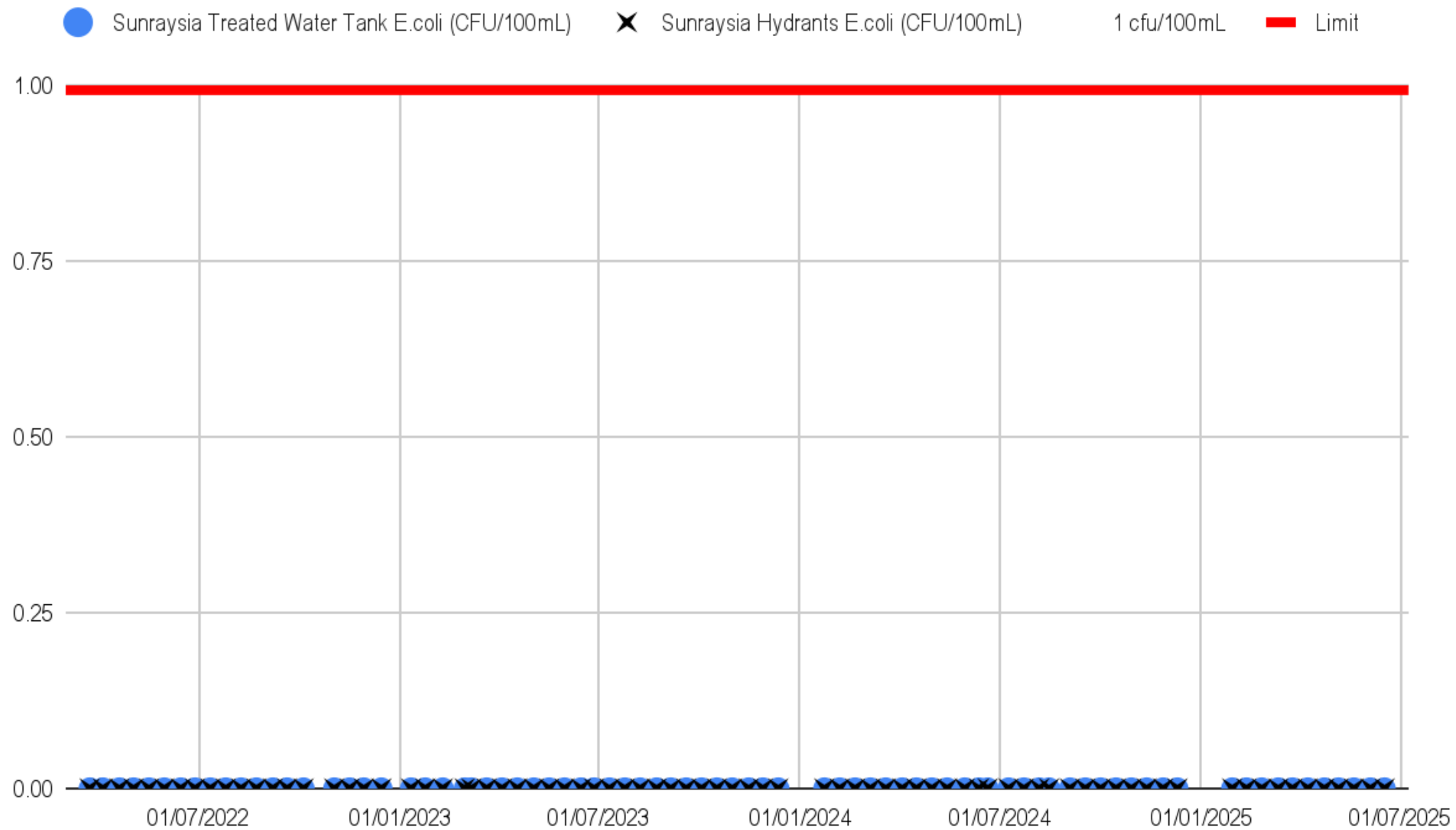


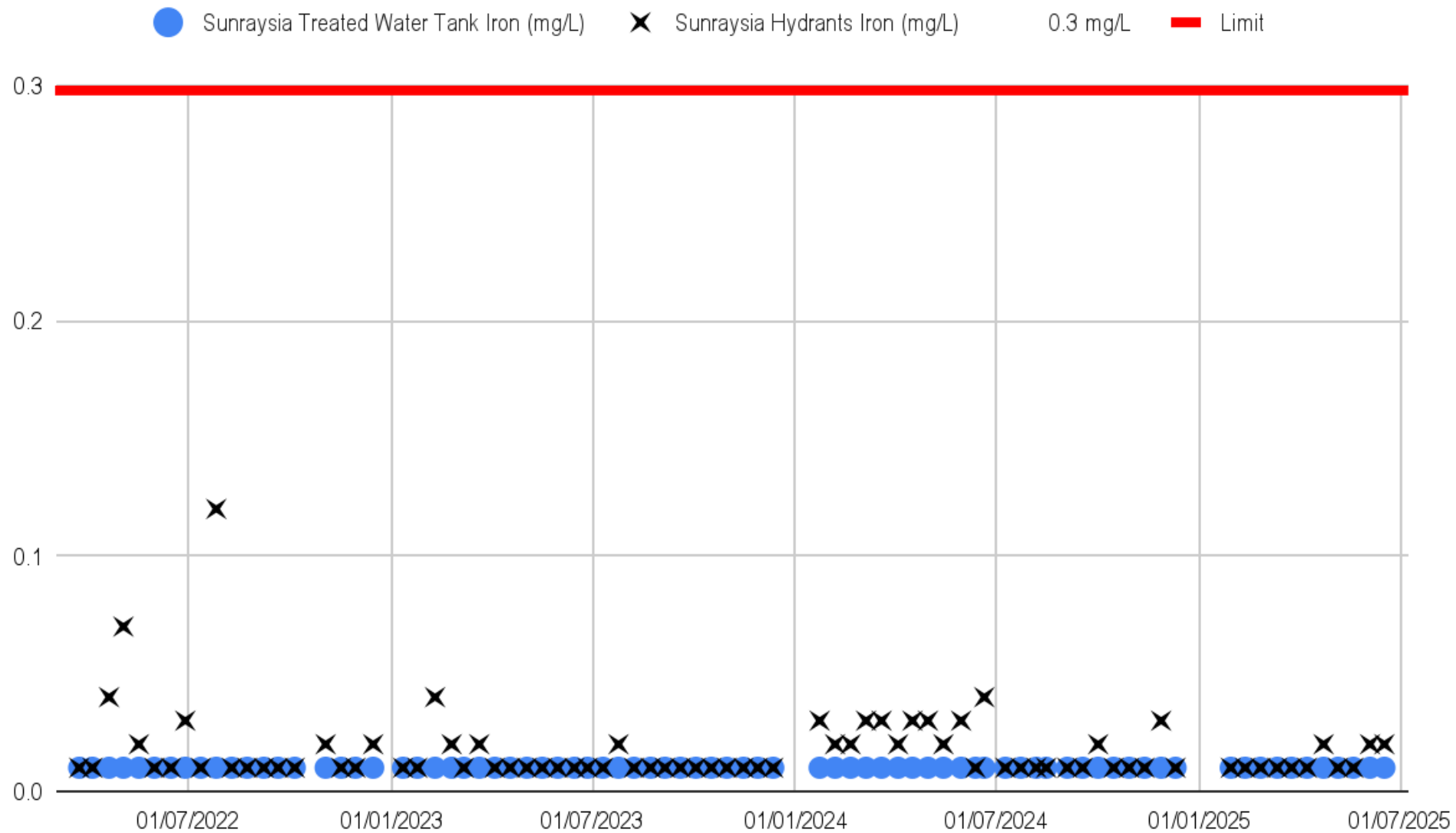


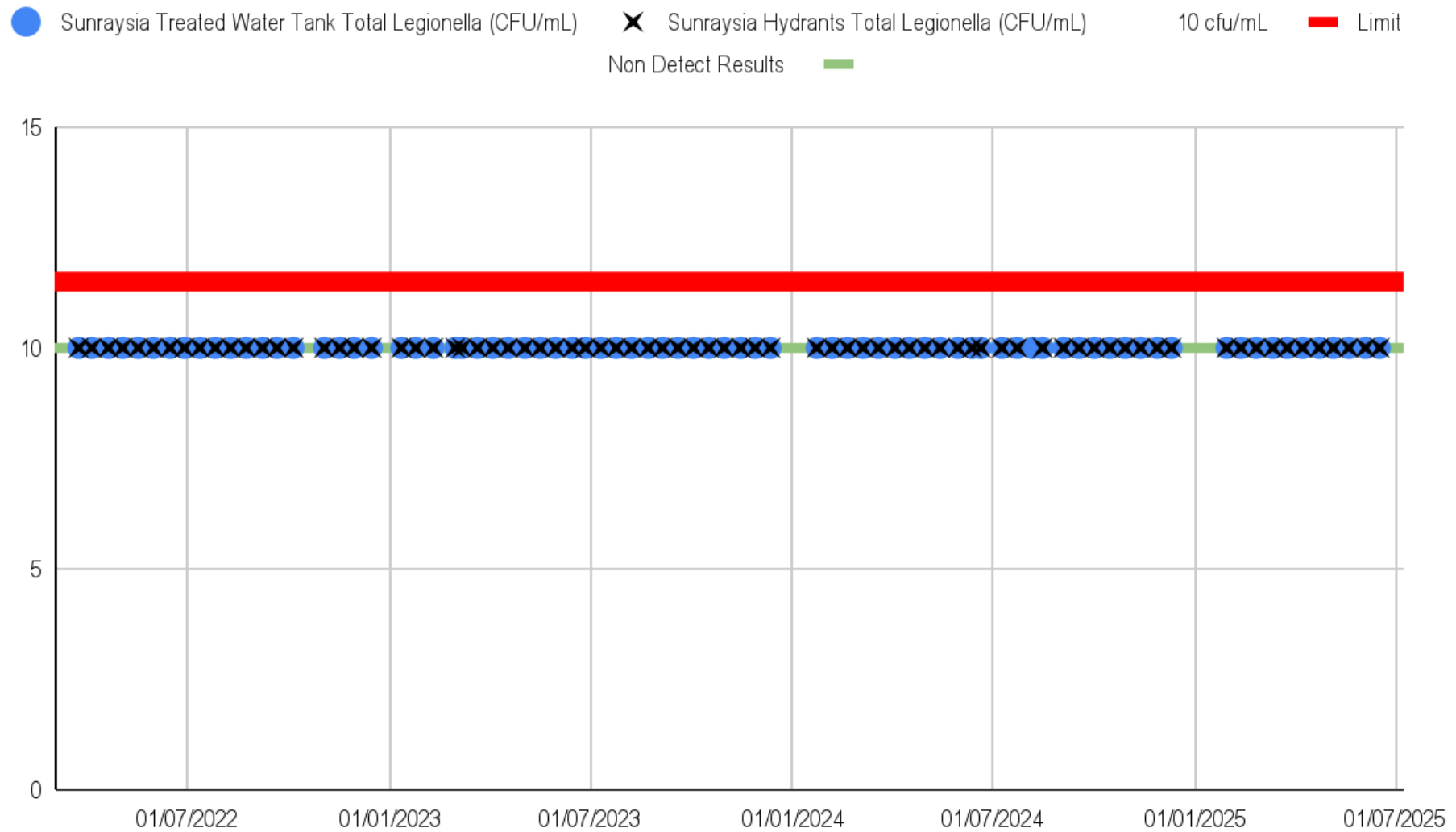




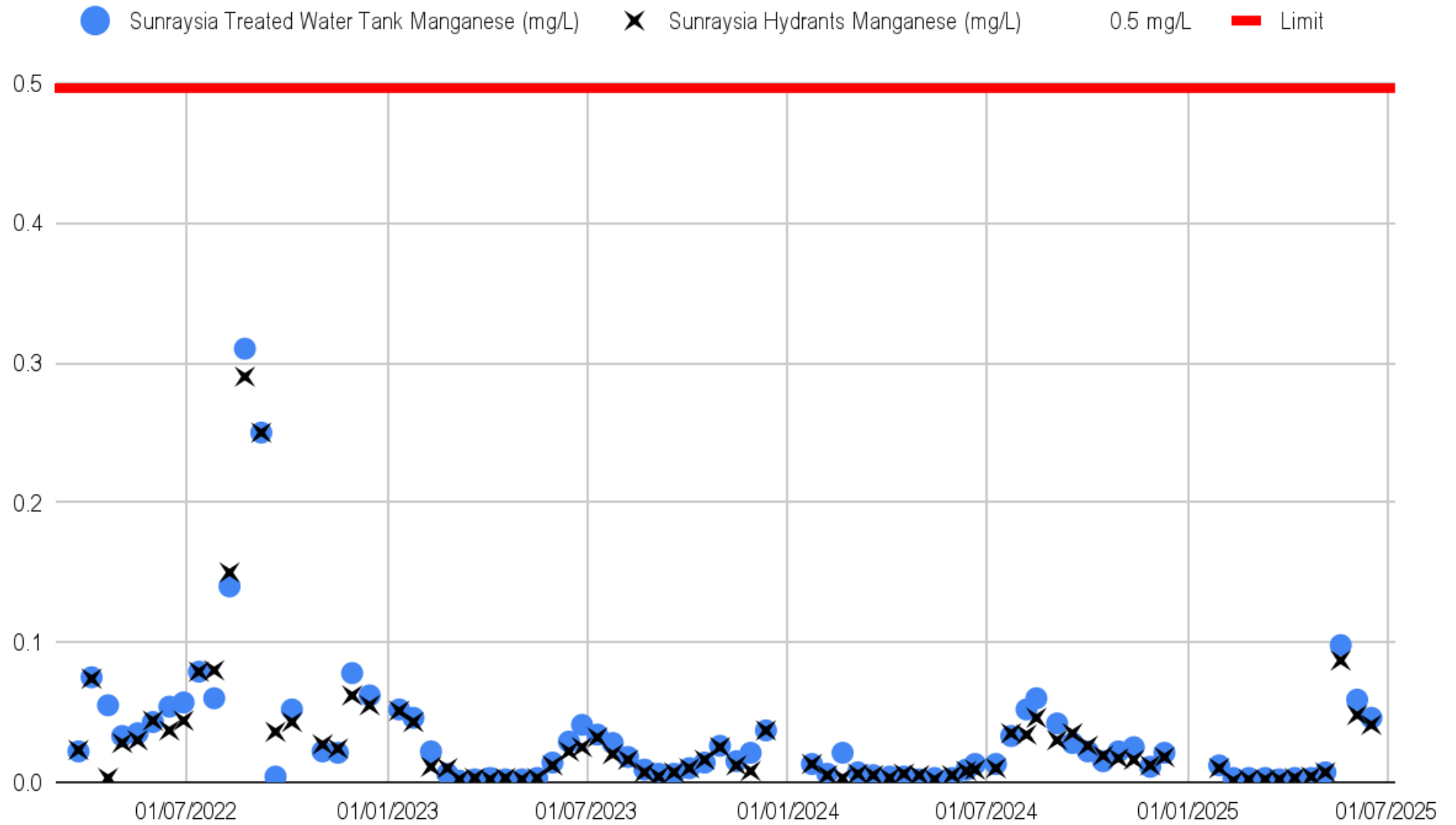


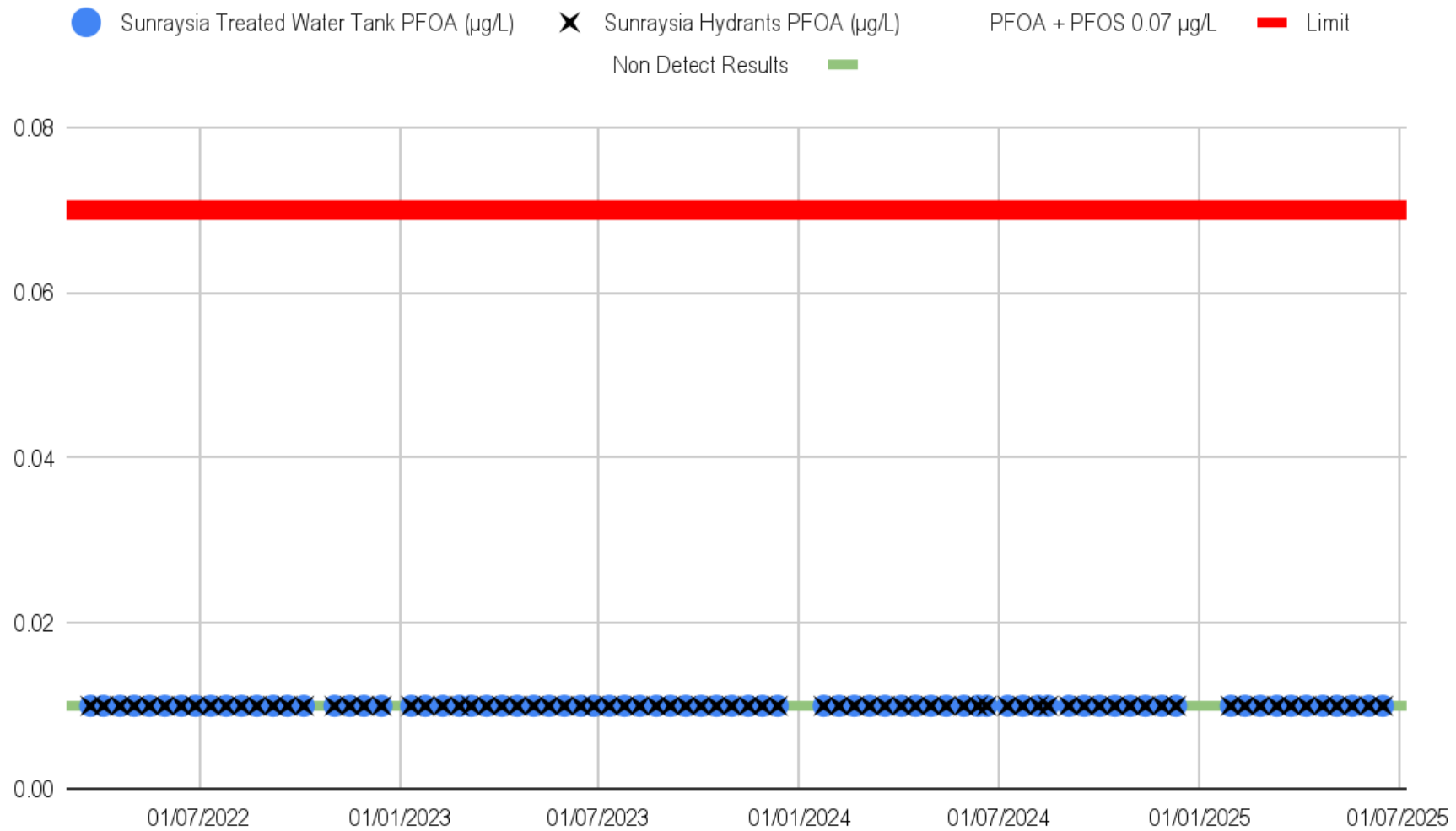




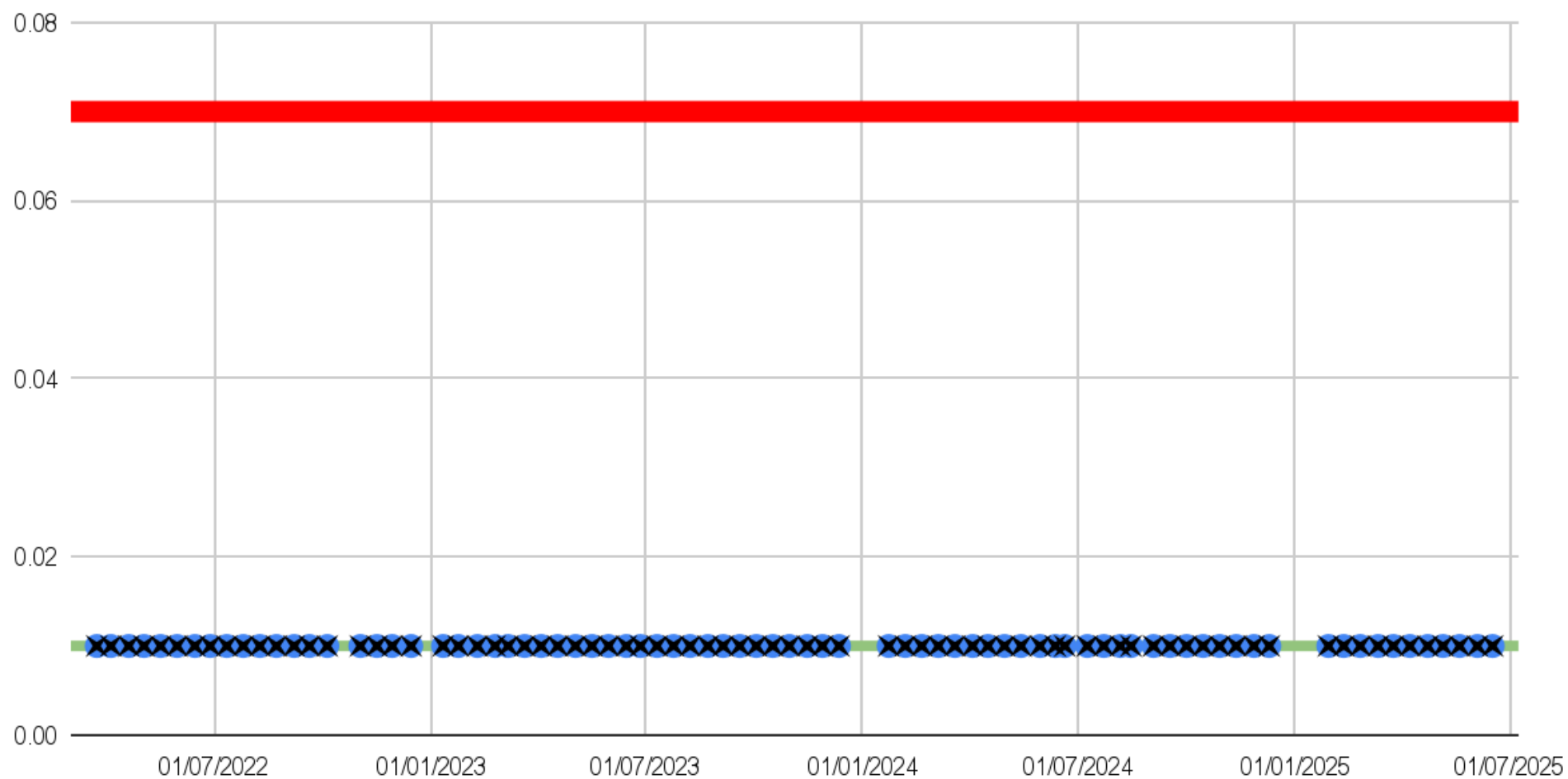


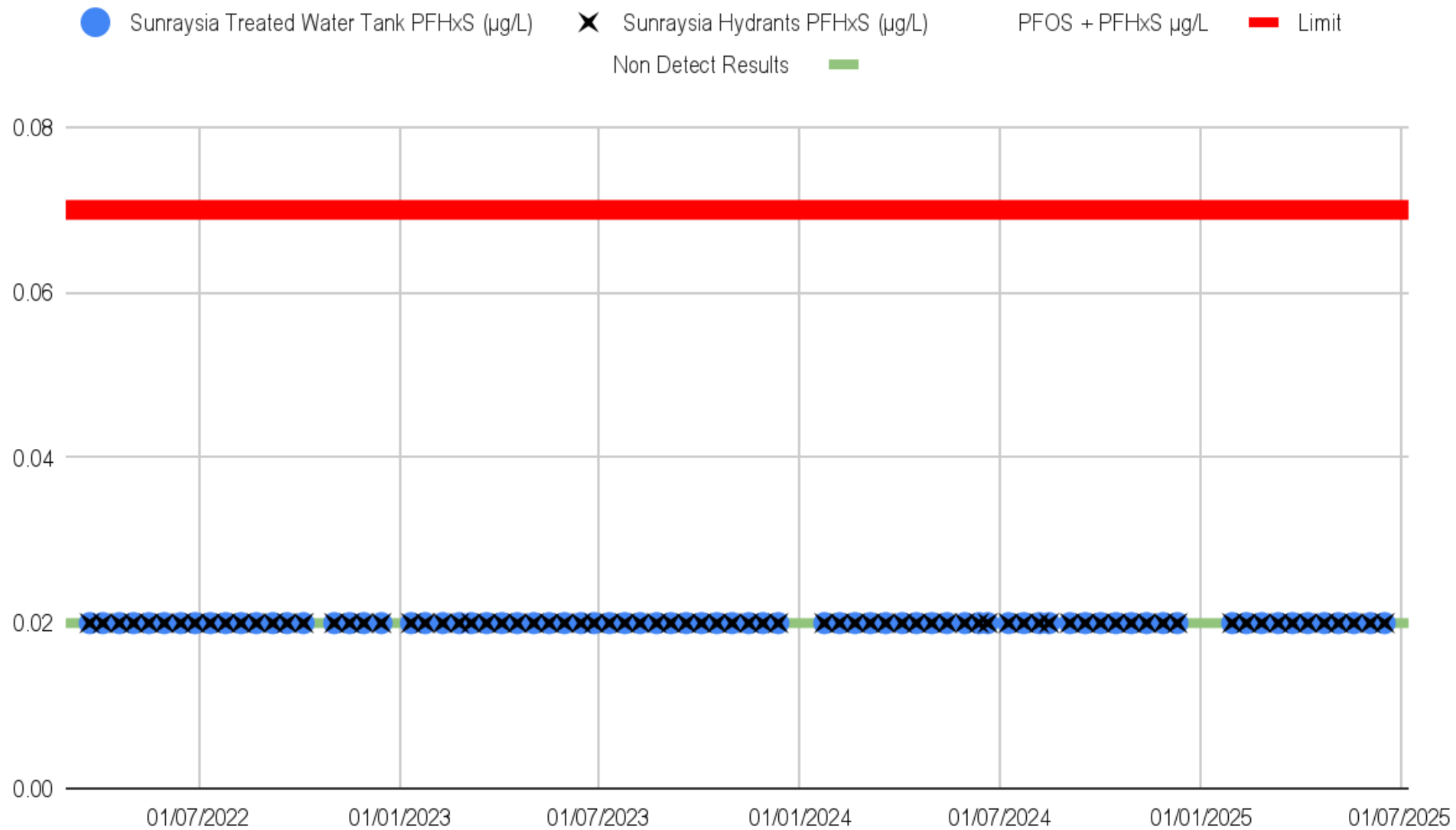
*Hydrant Composite sample taken on 06/08/2024 (500CFU/mL) excluded from chart



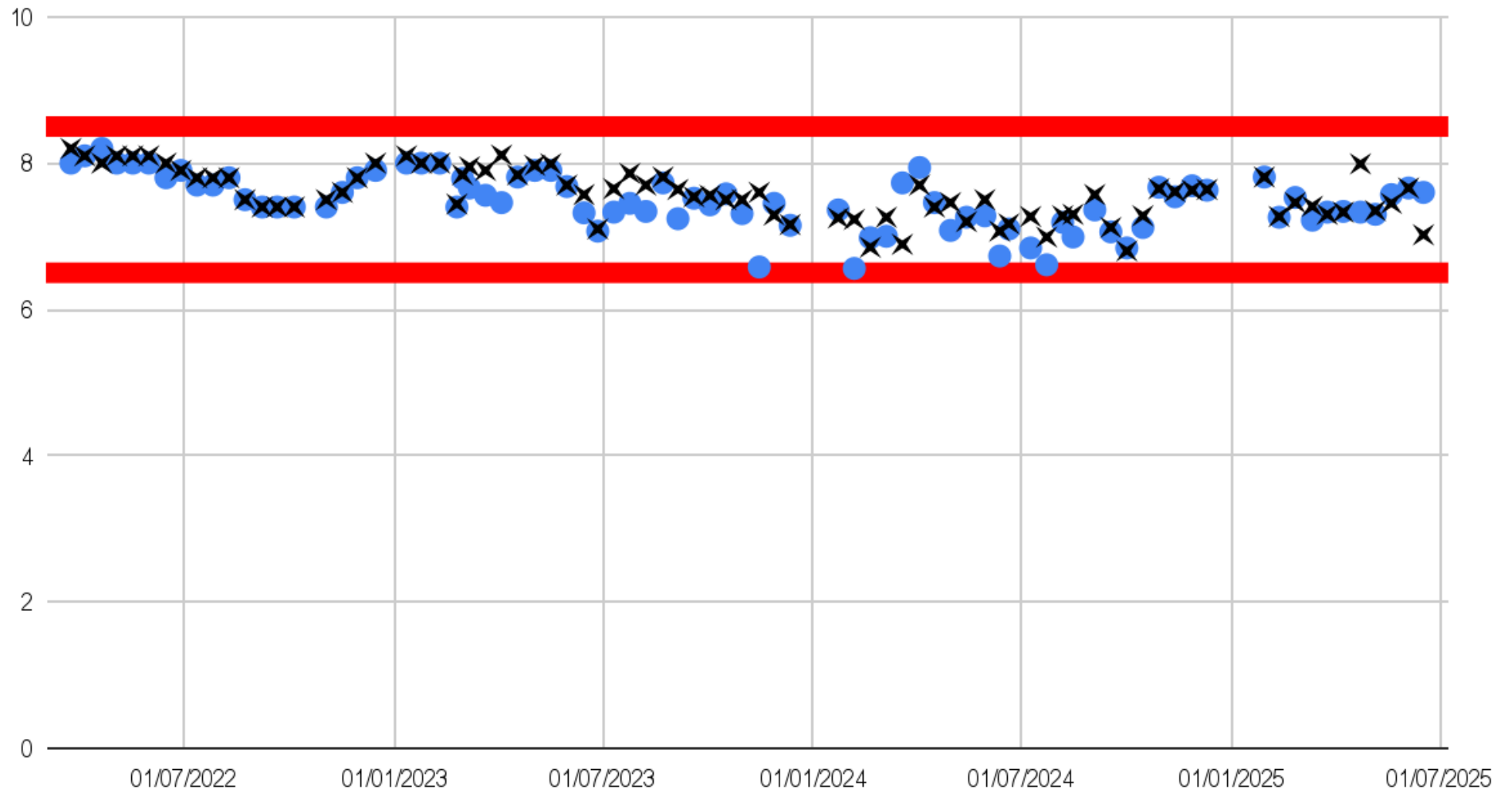


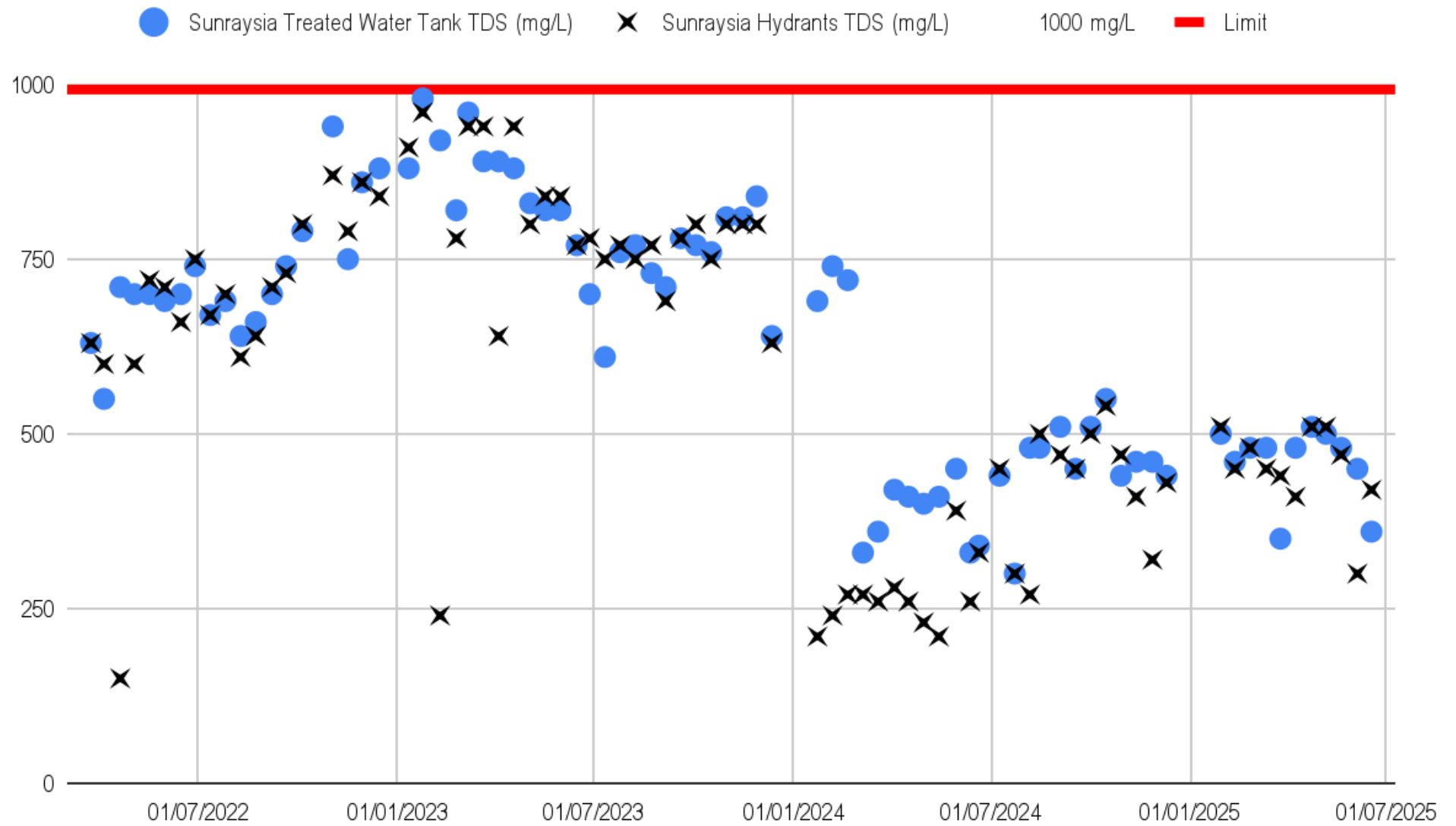
● Sunraysia Treated Water Tank PFOS ($\mu\text{g/L}$) ✕ Sunraysia Hydrants PFOS ($\mu\text{g/L}$) PFOA + PFOS $0.07 \mu\text{g/L}$ ■ Limit
Non Detect Results ■

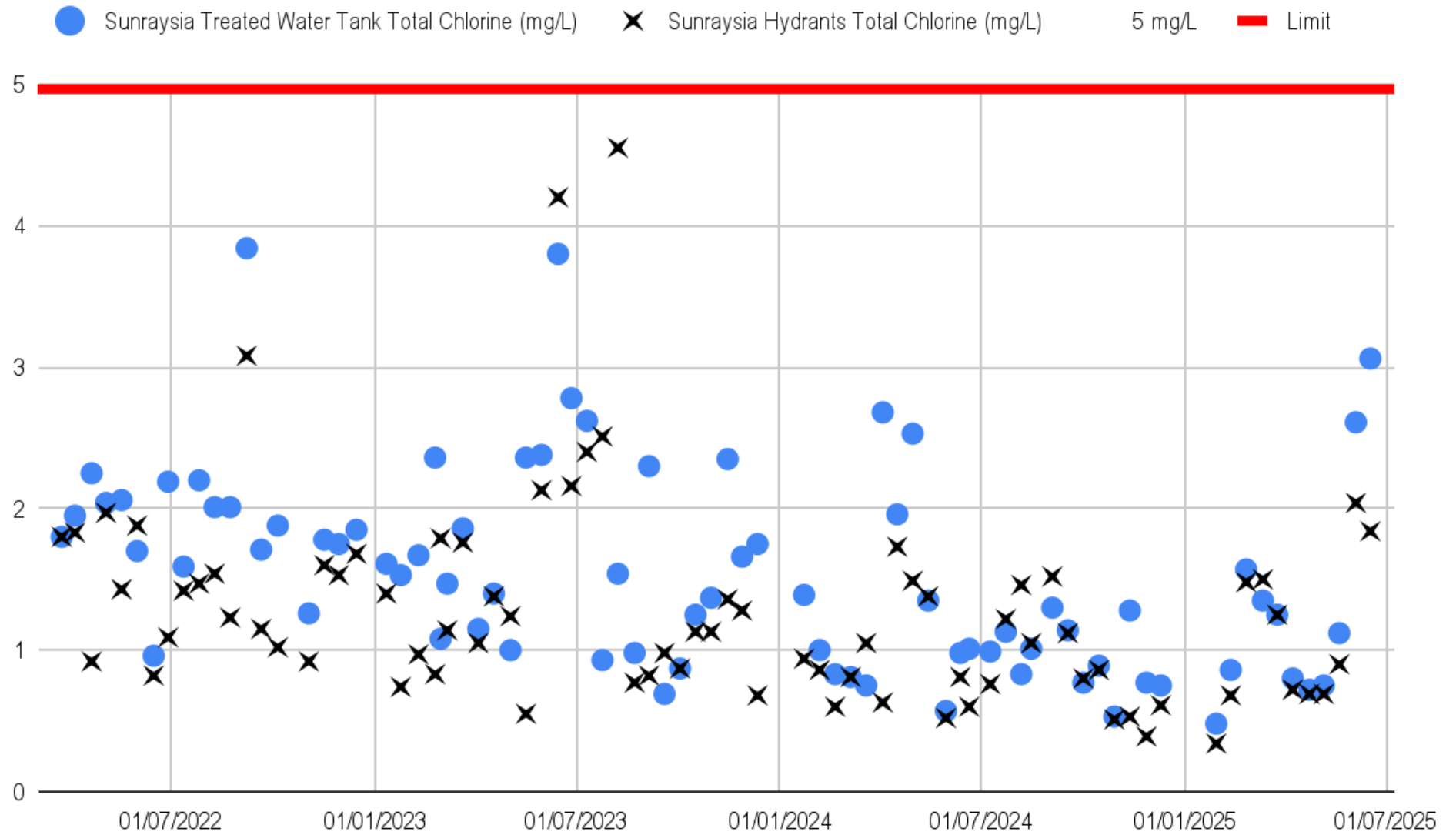


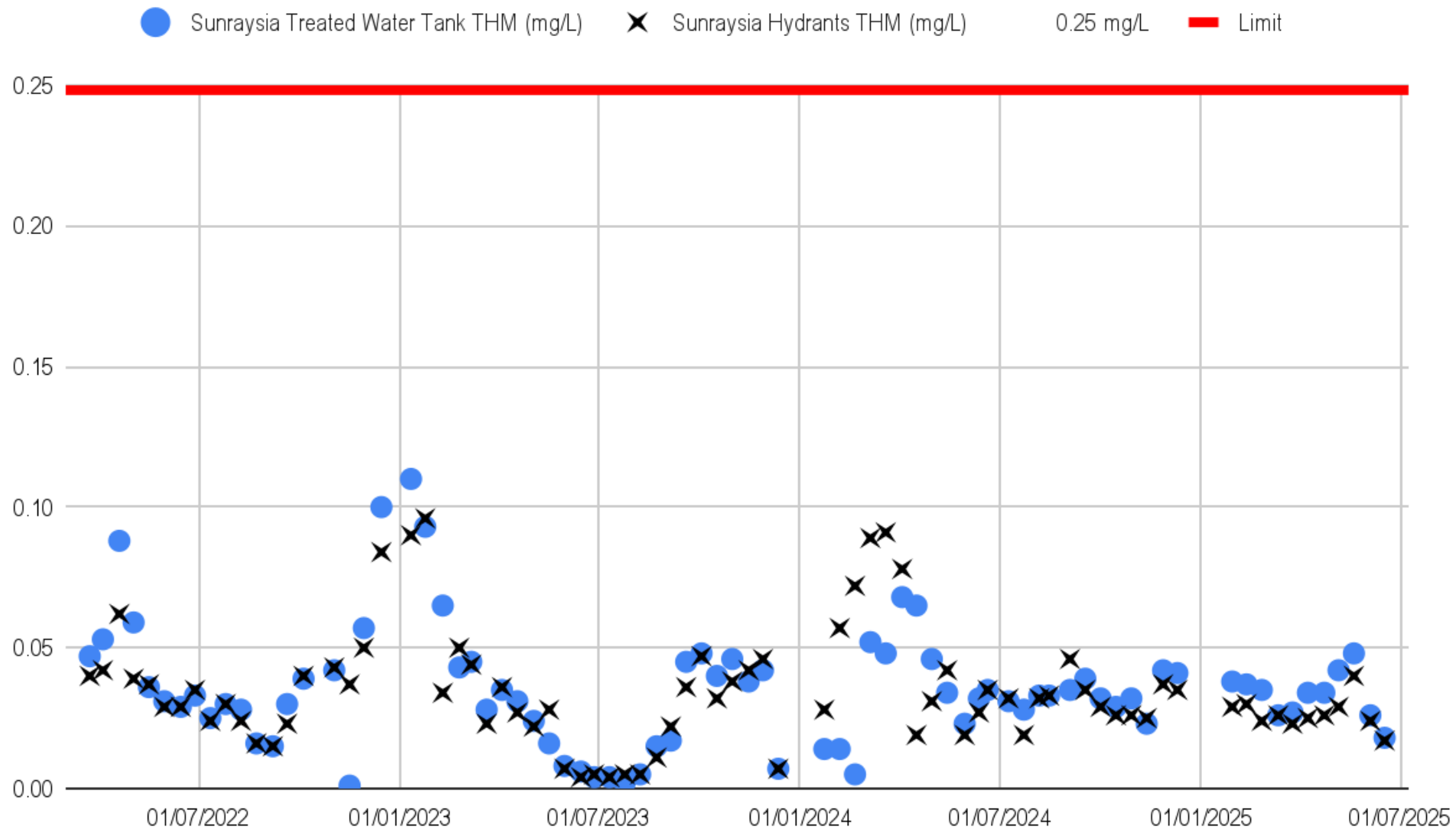


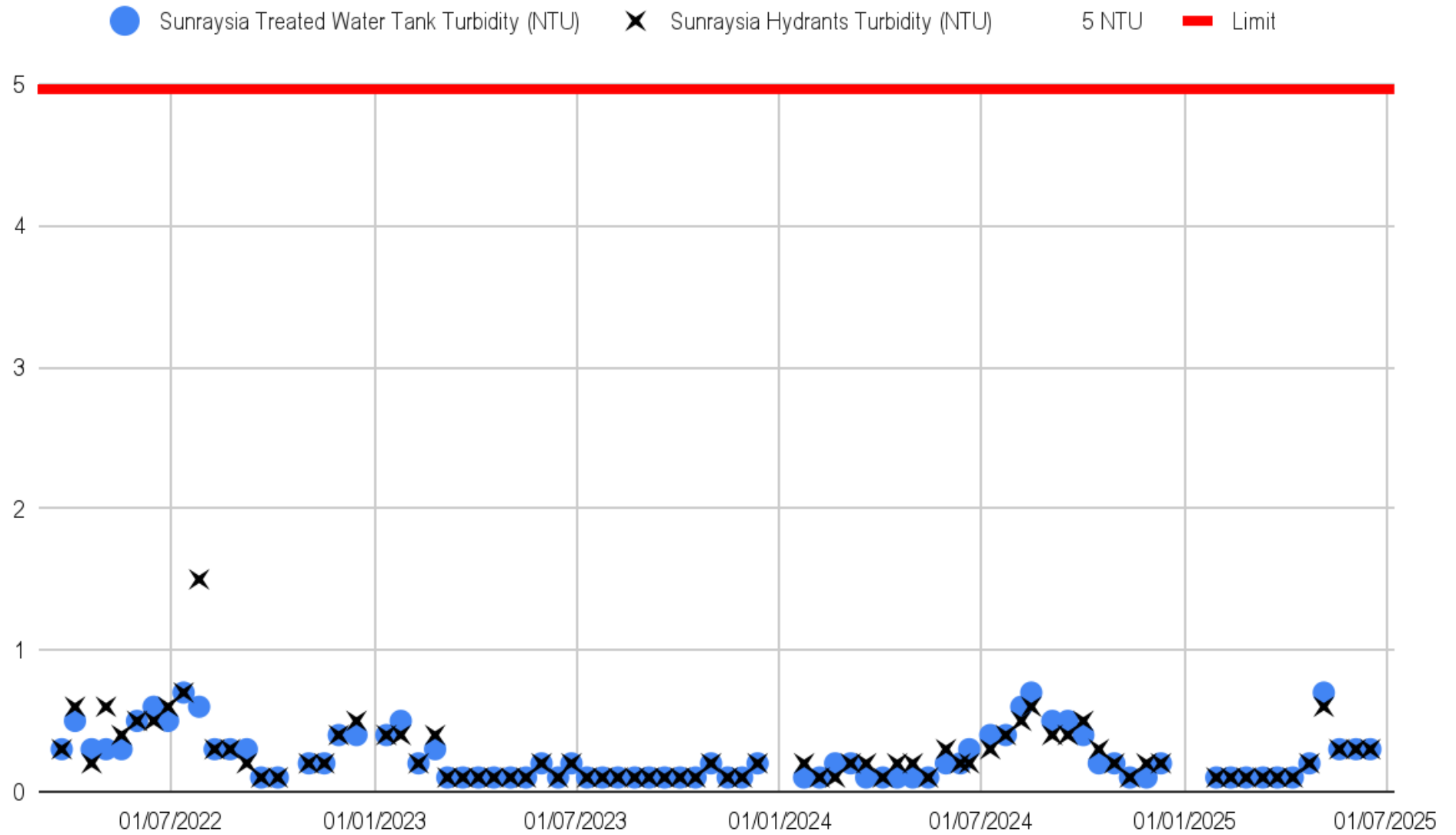
● Sunraysia Treated Water Tank pH (-) ✕ Sunraysia Hydrants pH (-) 6.5 Limit 8.5 Limit



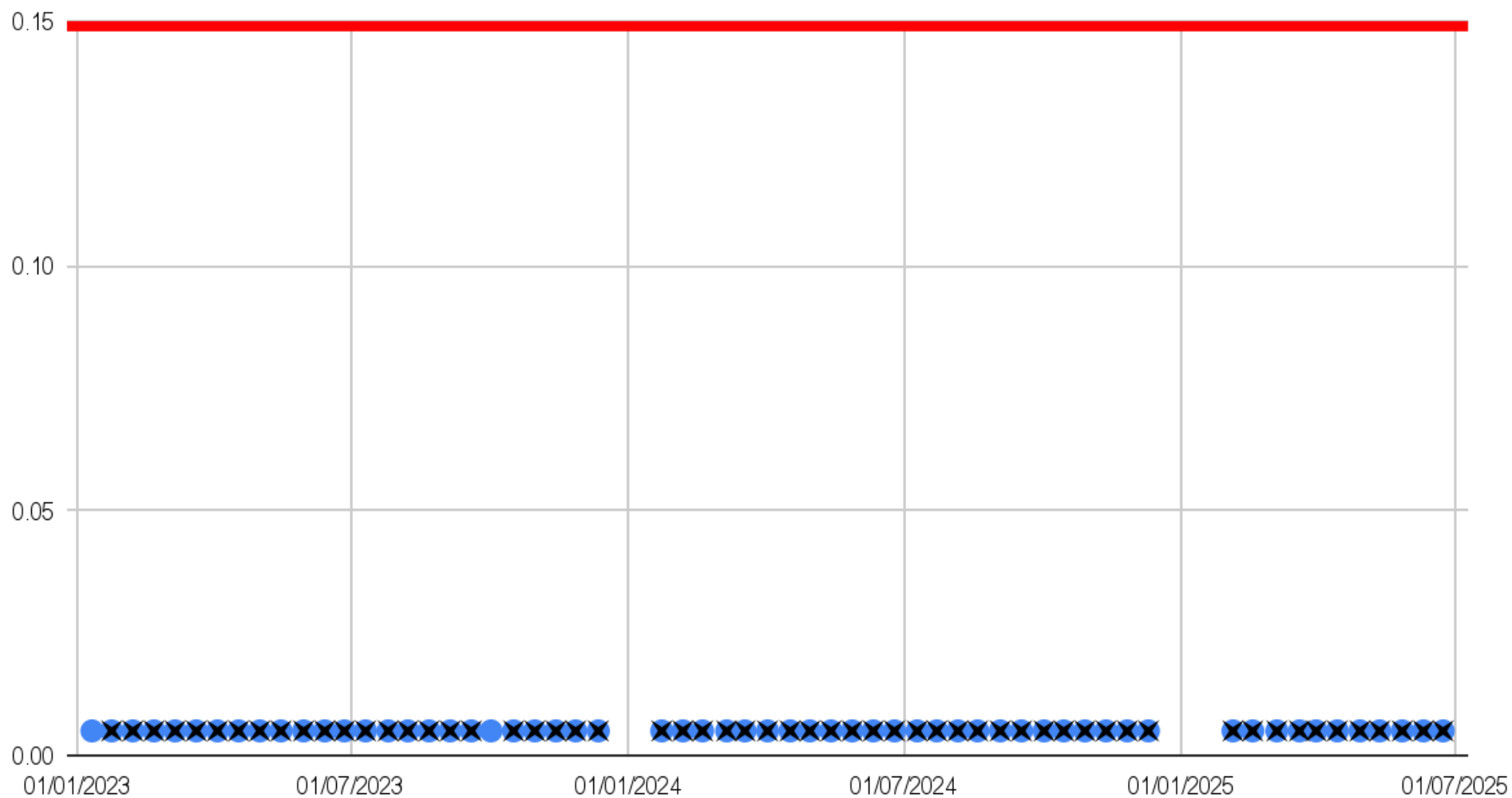


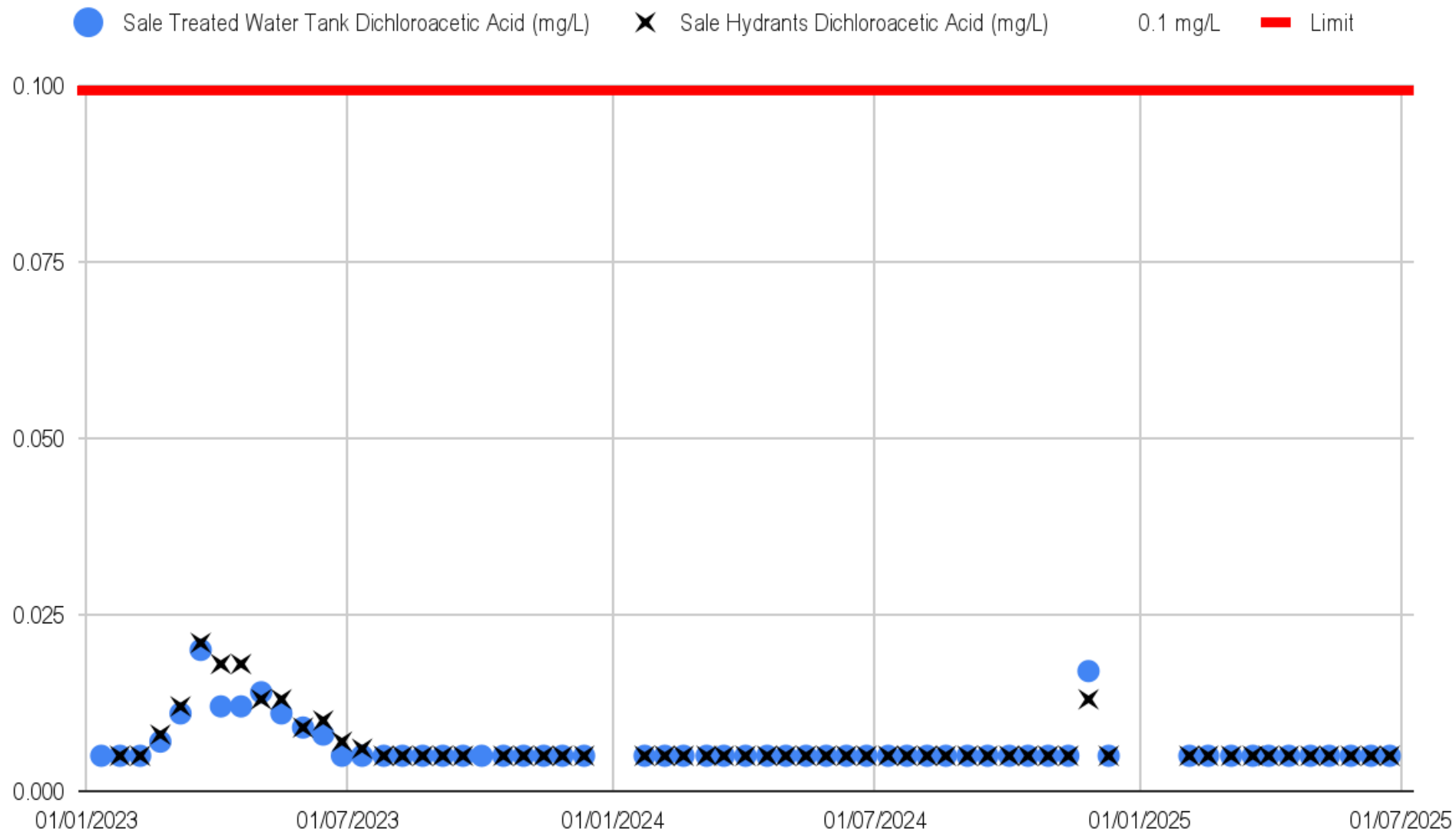


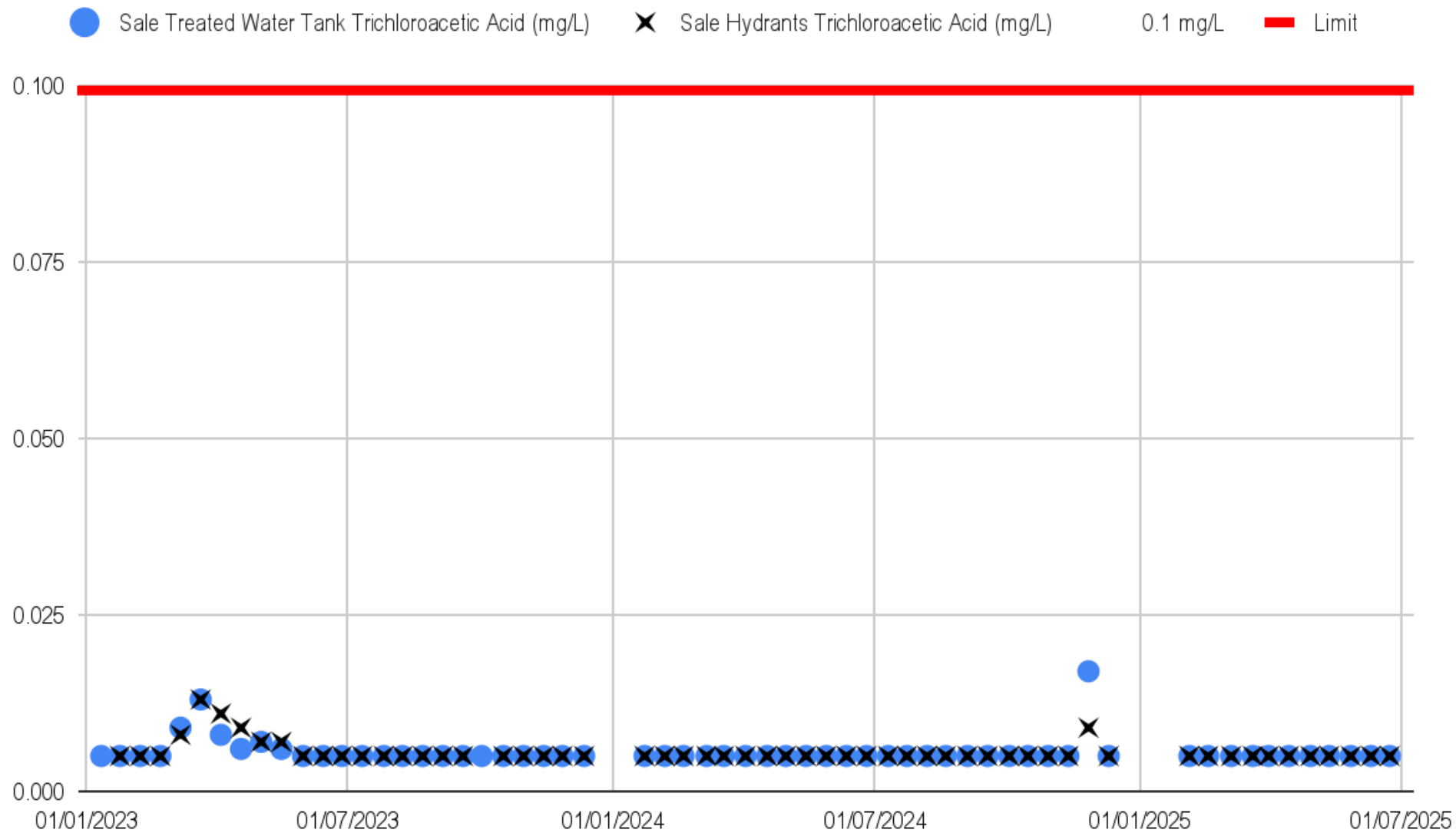


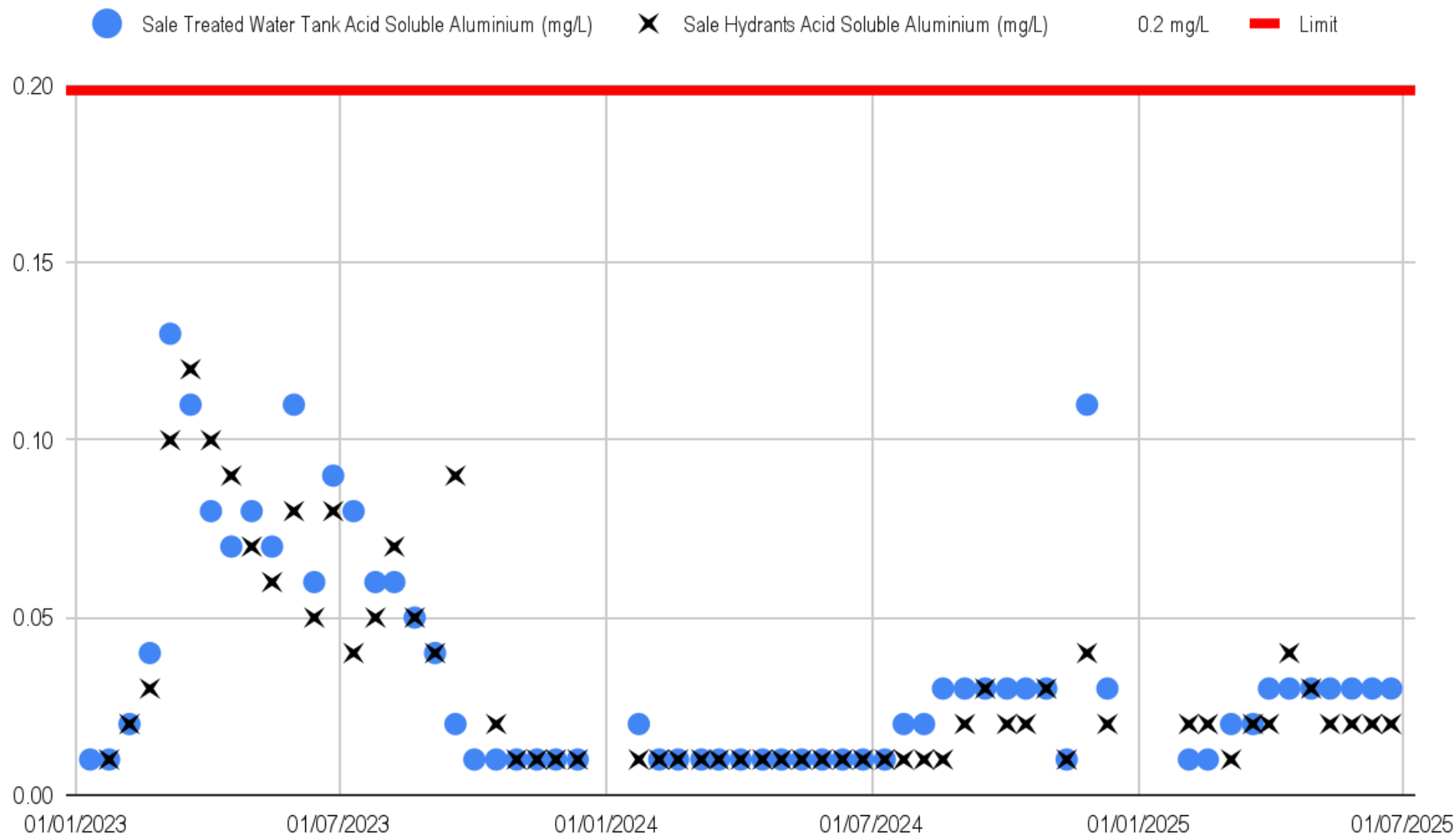


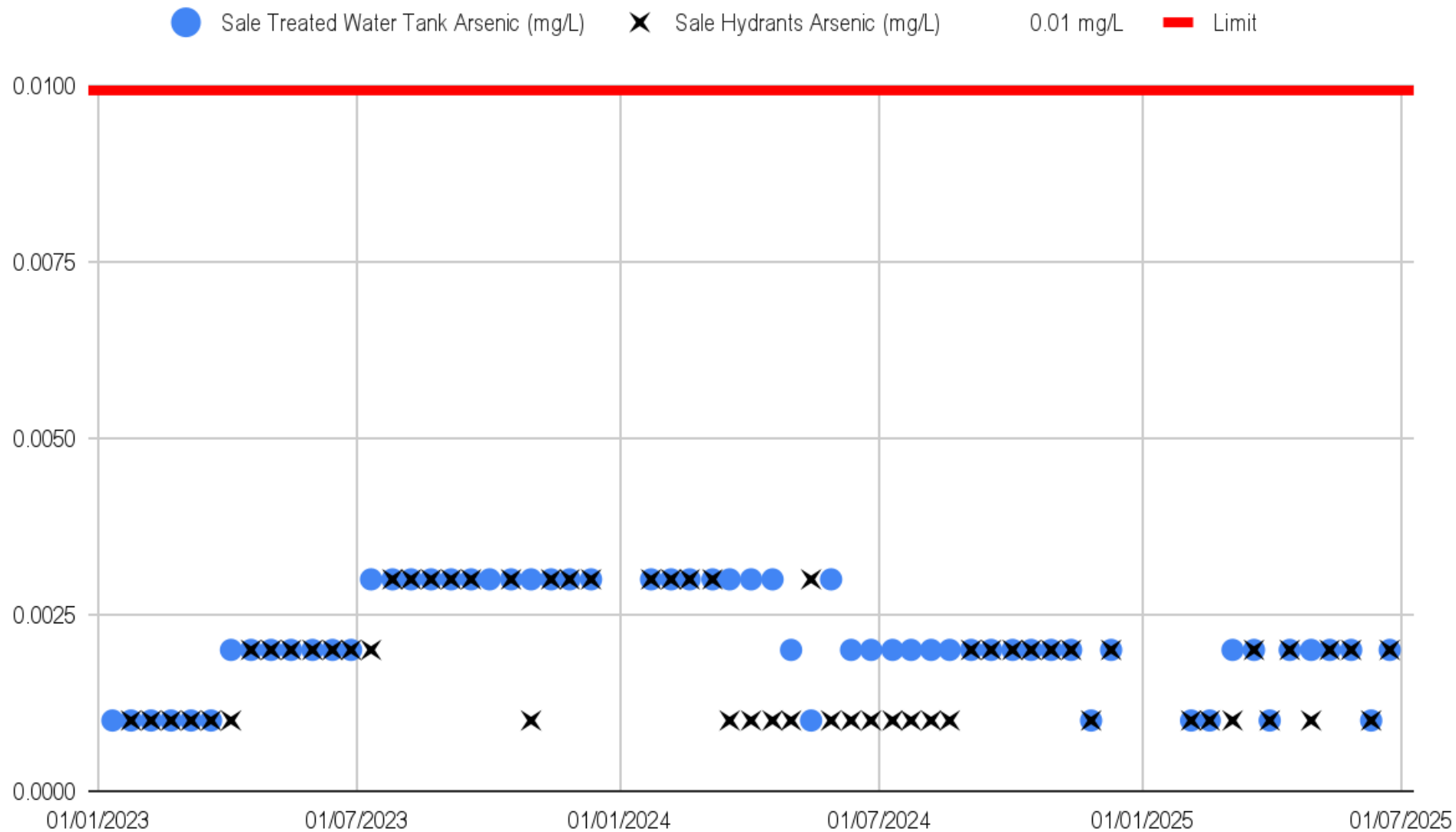
● Sale Treated Water Tank Chloroacetic Acid (mg/L) ✕ Sale Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L — Limit



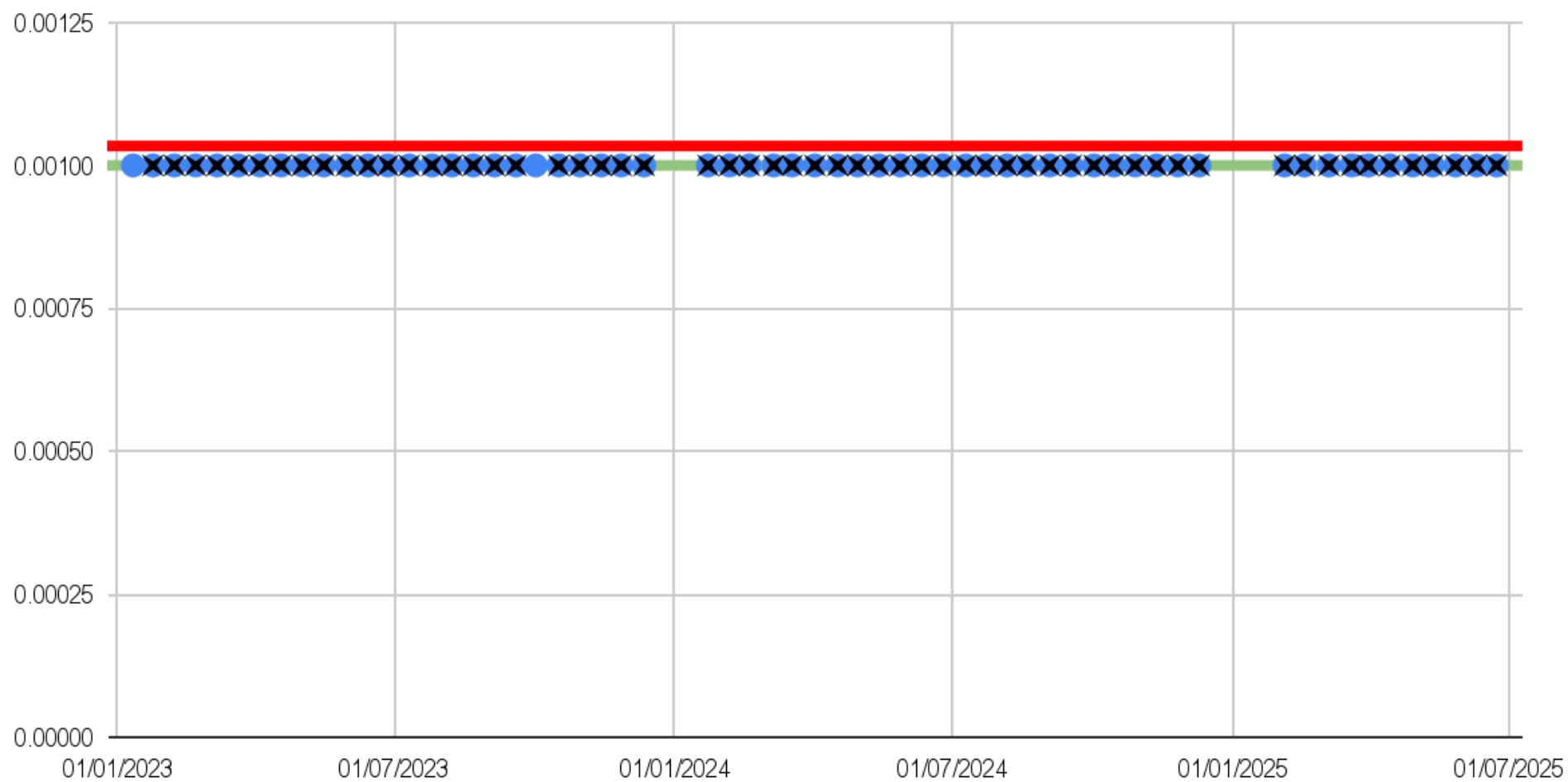


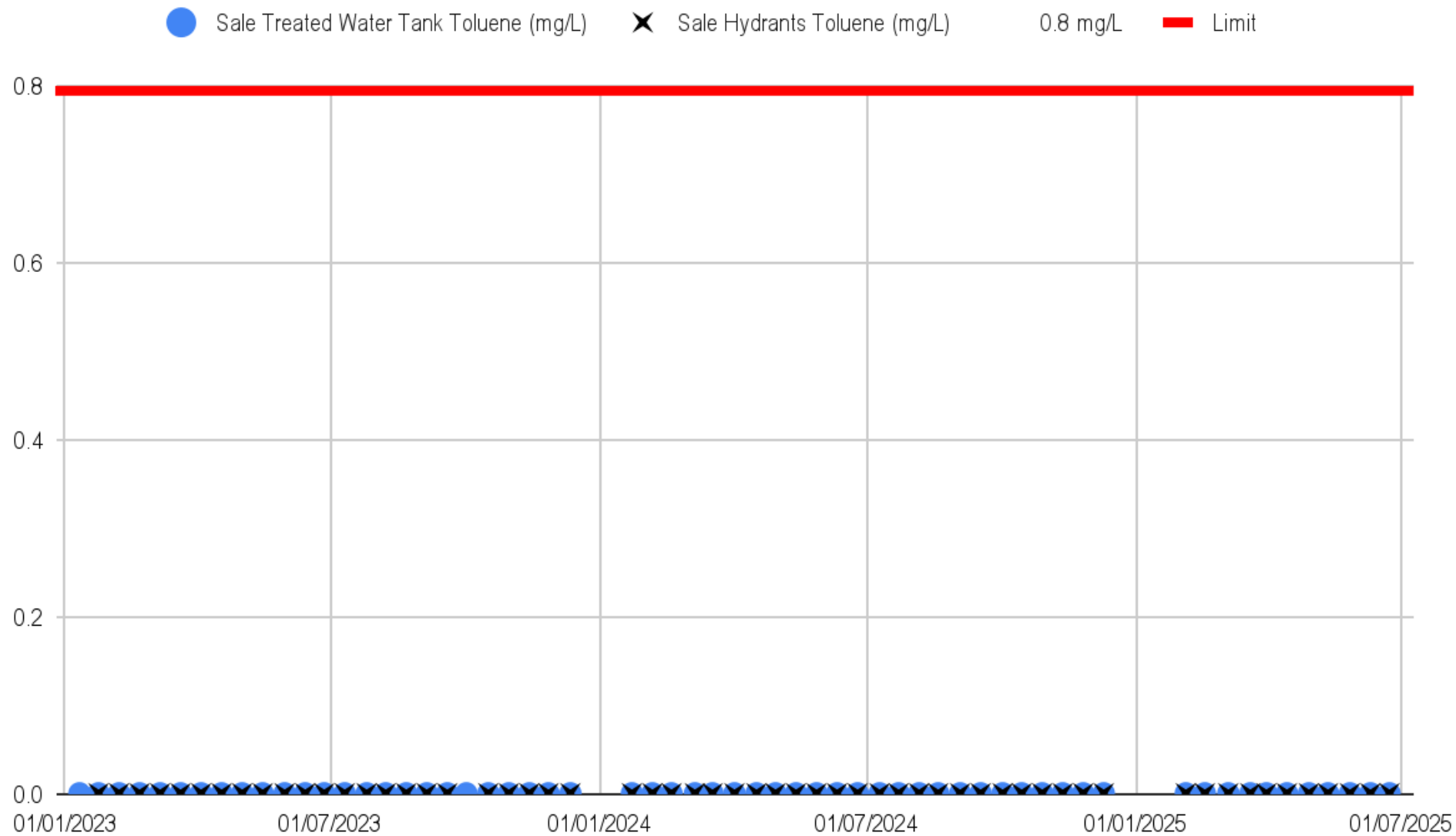


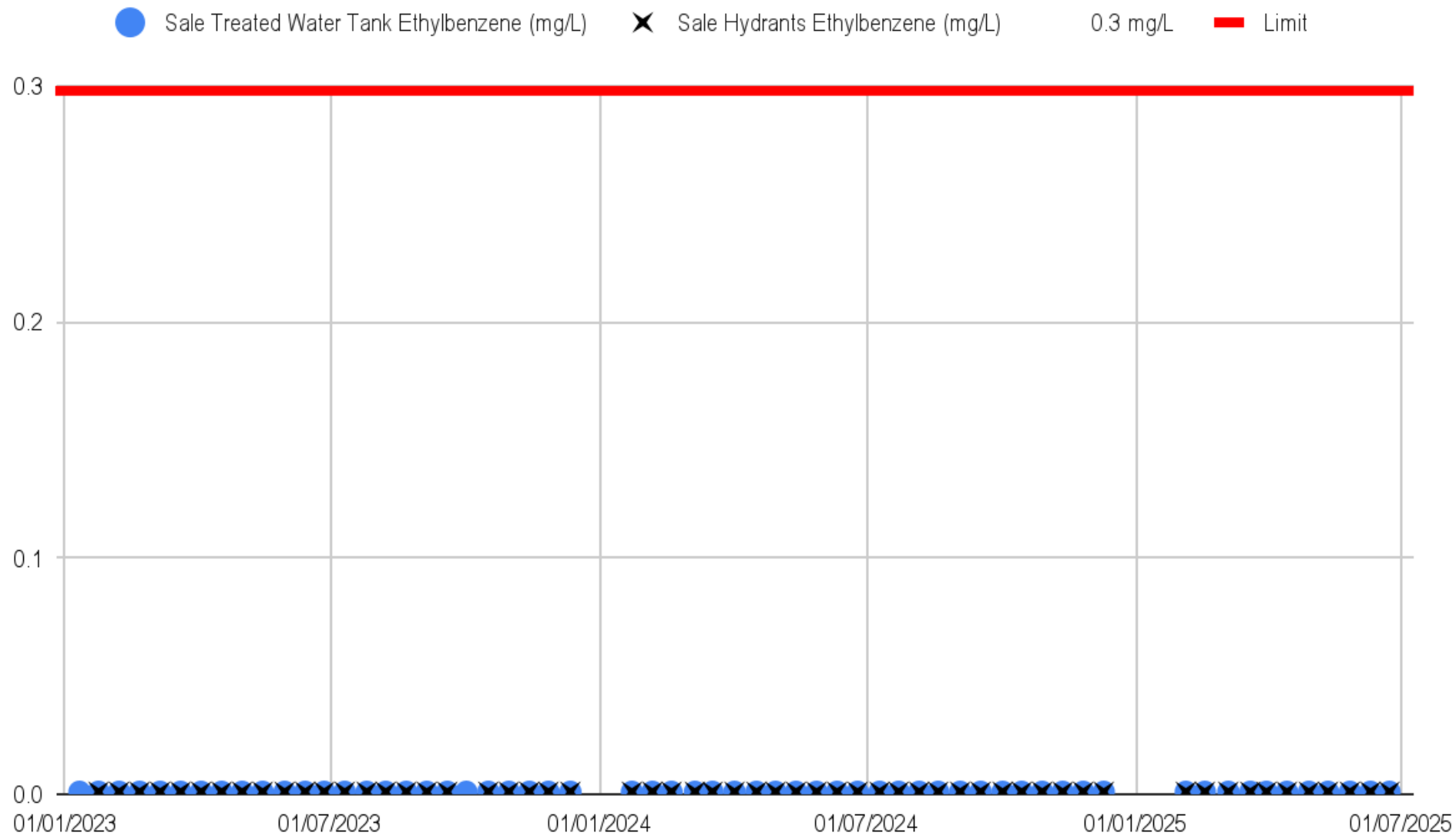


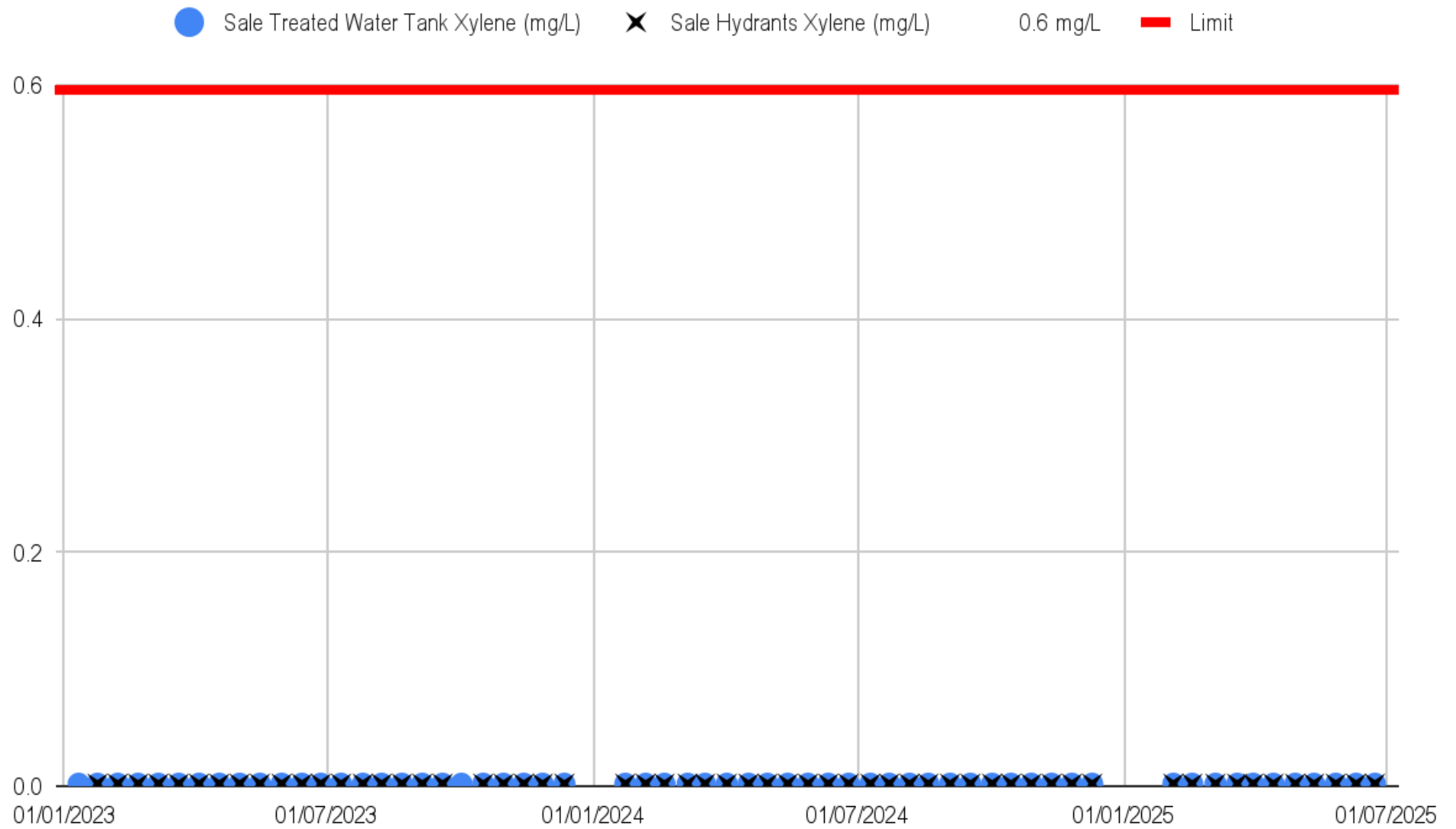


● Sale Treated Water Tank Benzene (mg/L) ✕ Sale Hydrants Benzene (mg/L) 0.001 mg/L — Limit
Non Detect Results —

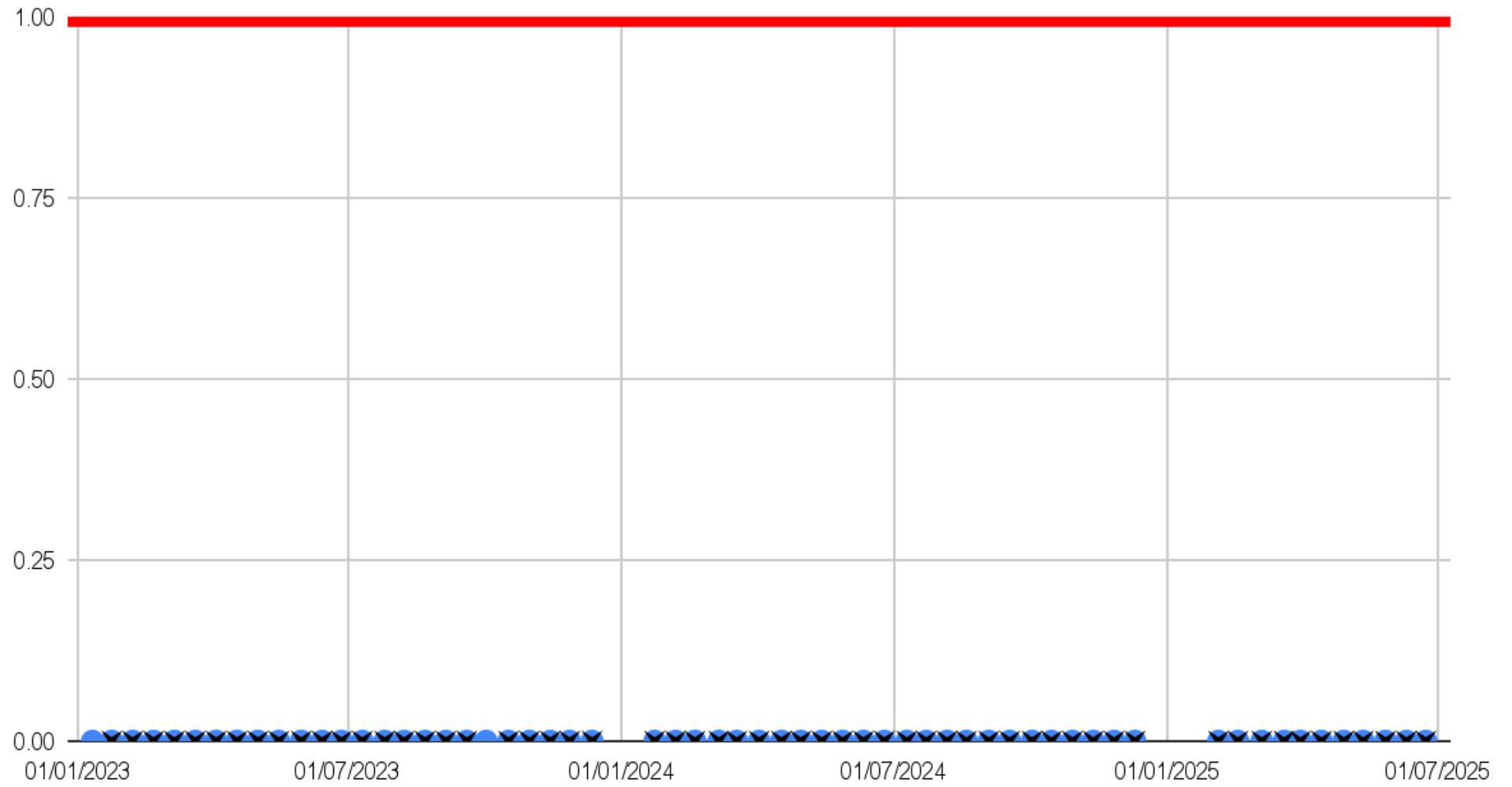


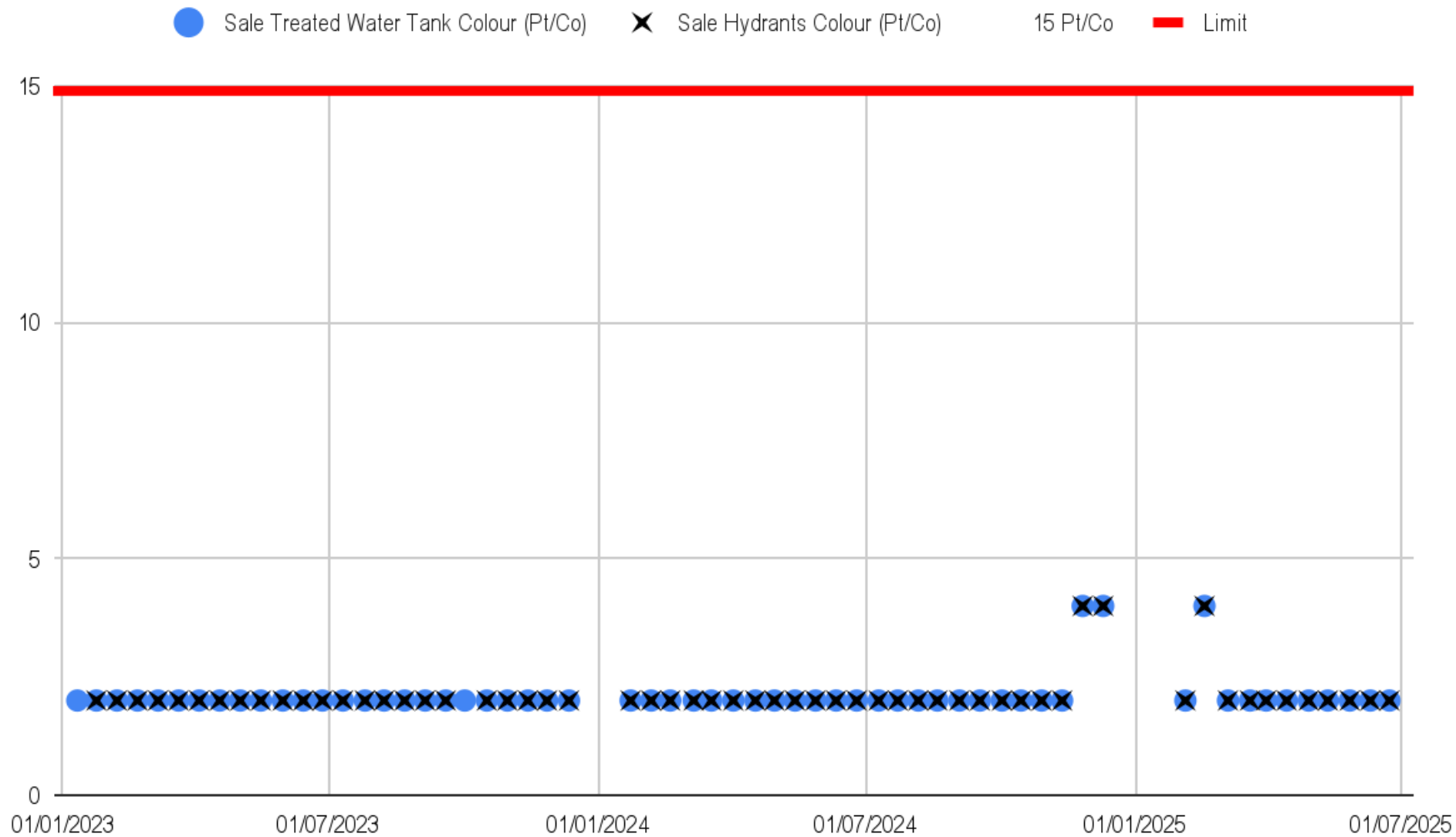


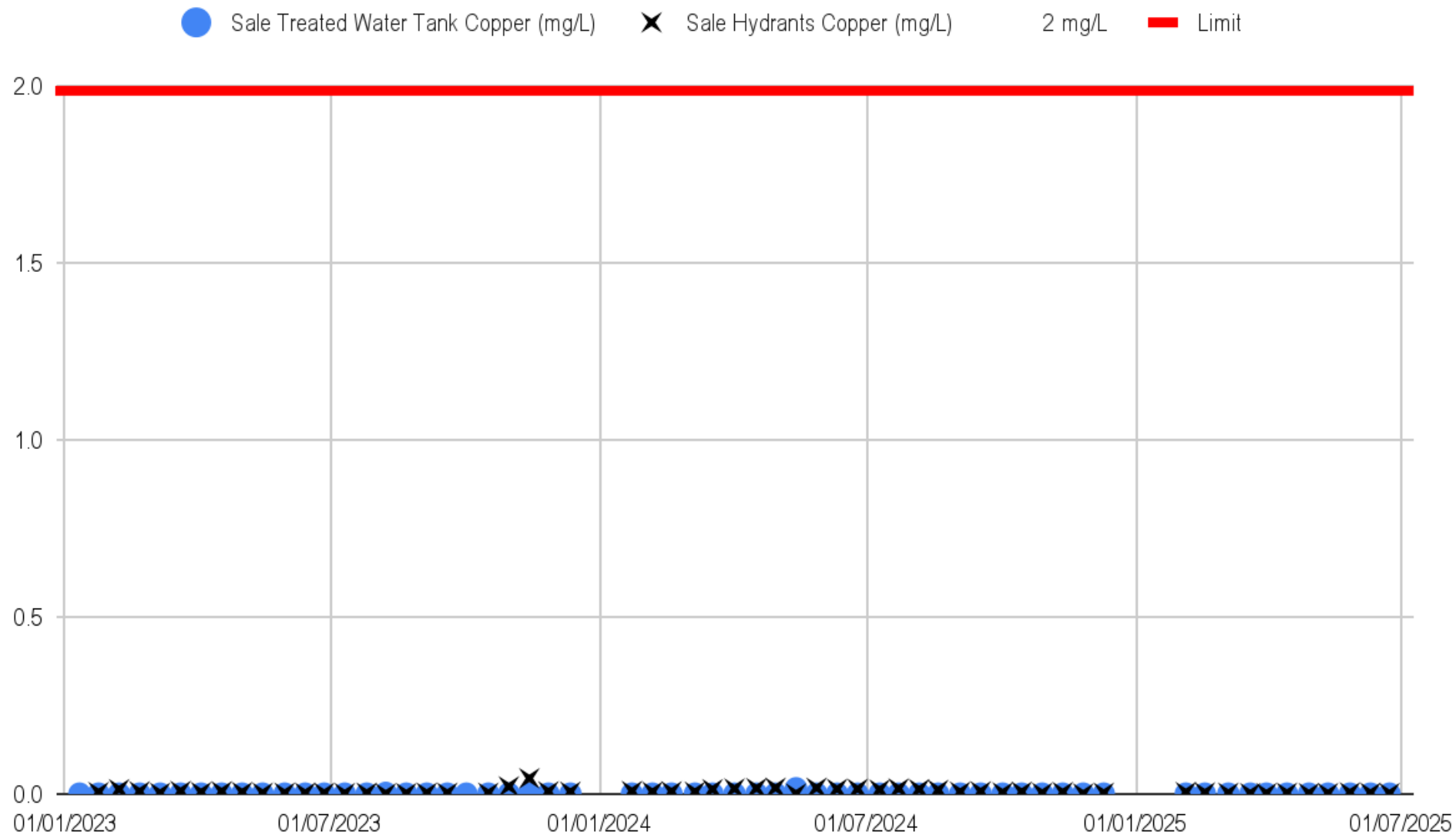




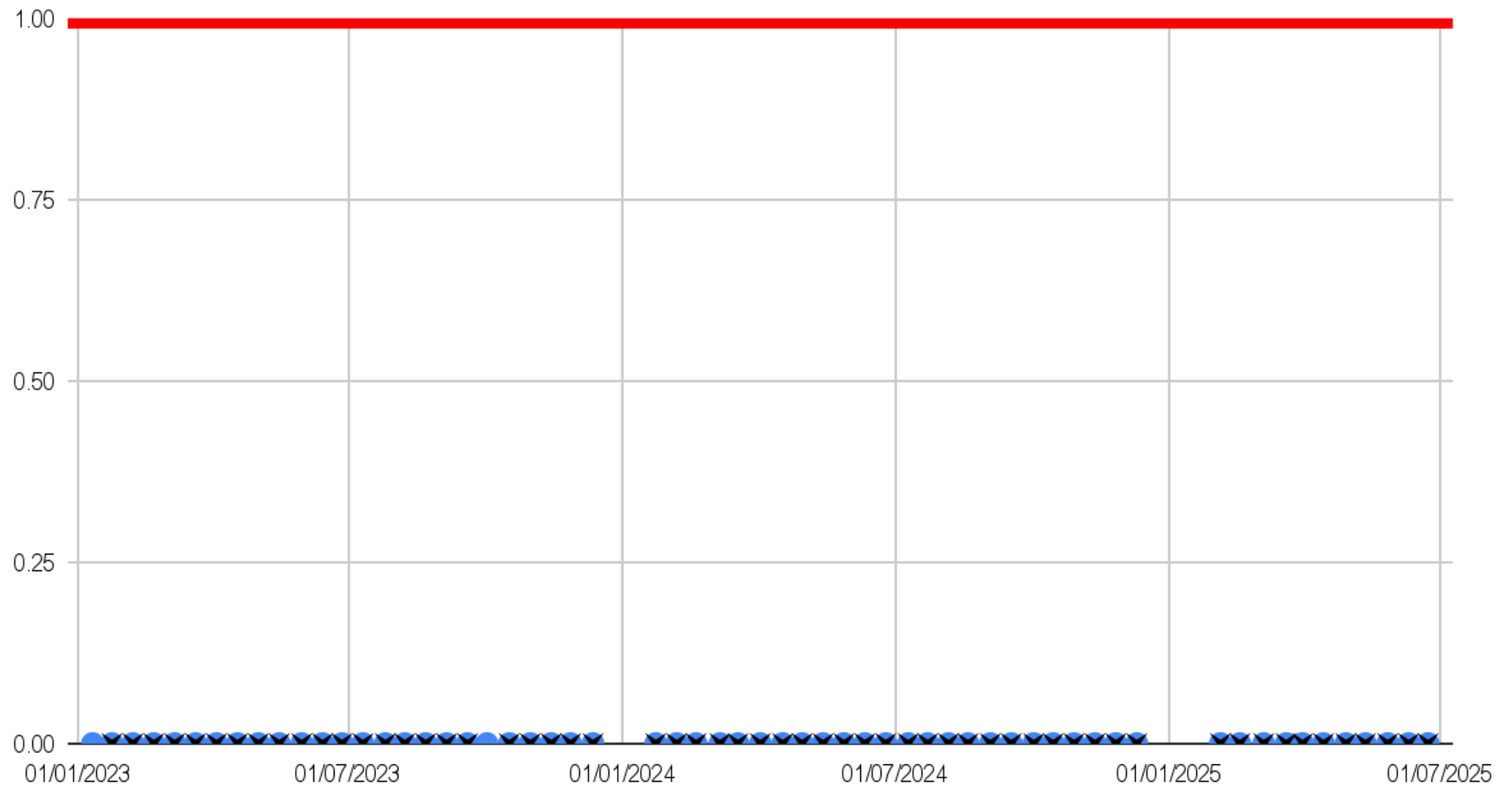
● Sale Treated Water Tank Coliforms (CFU/100mL) ✕ Sale Hydrants Coliforms (CFU/100mL) 1 CFU/100mL — Limit

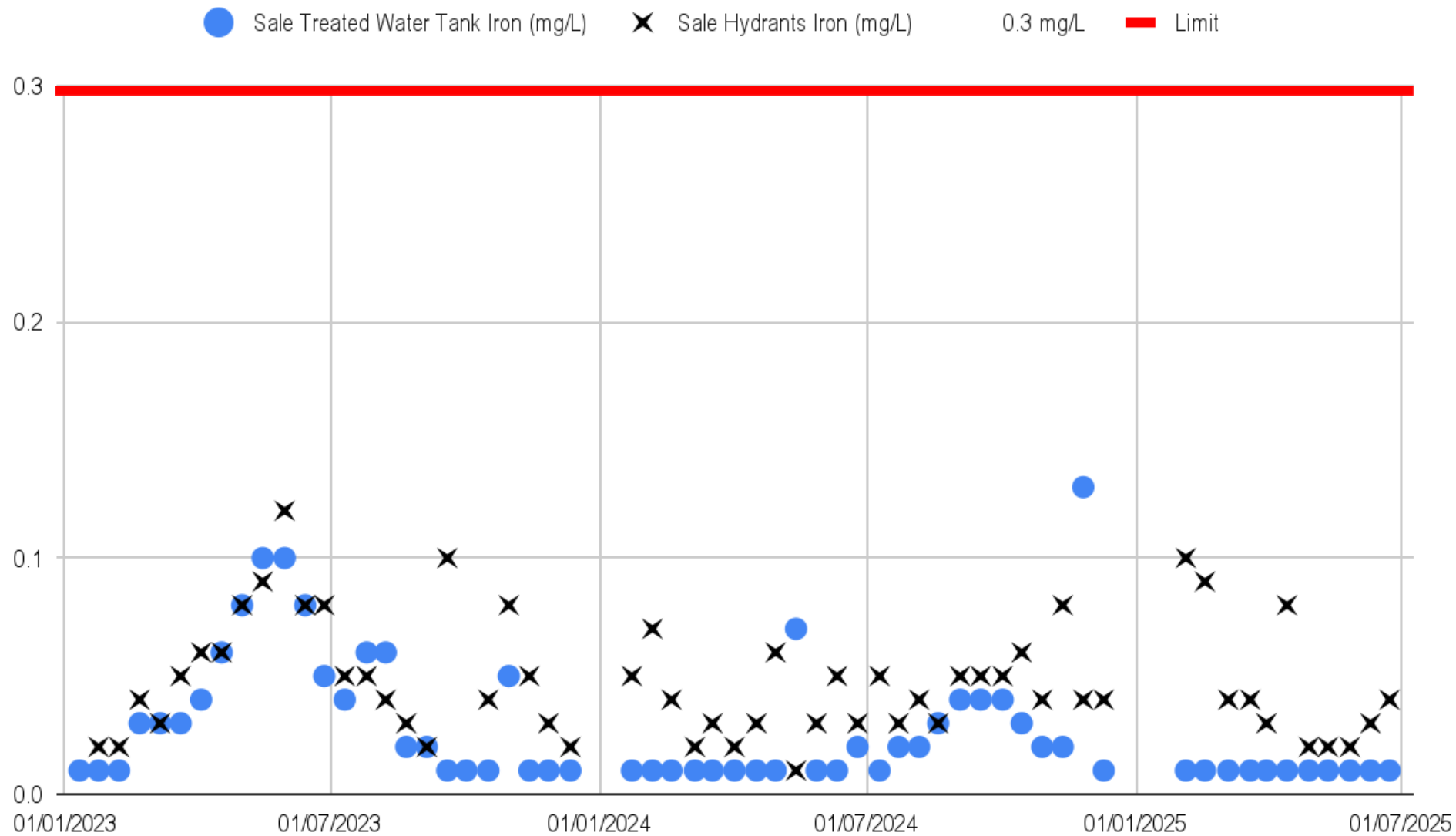




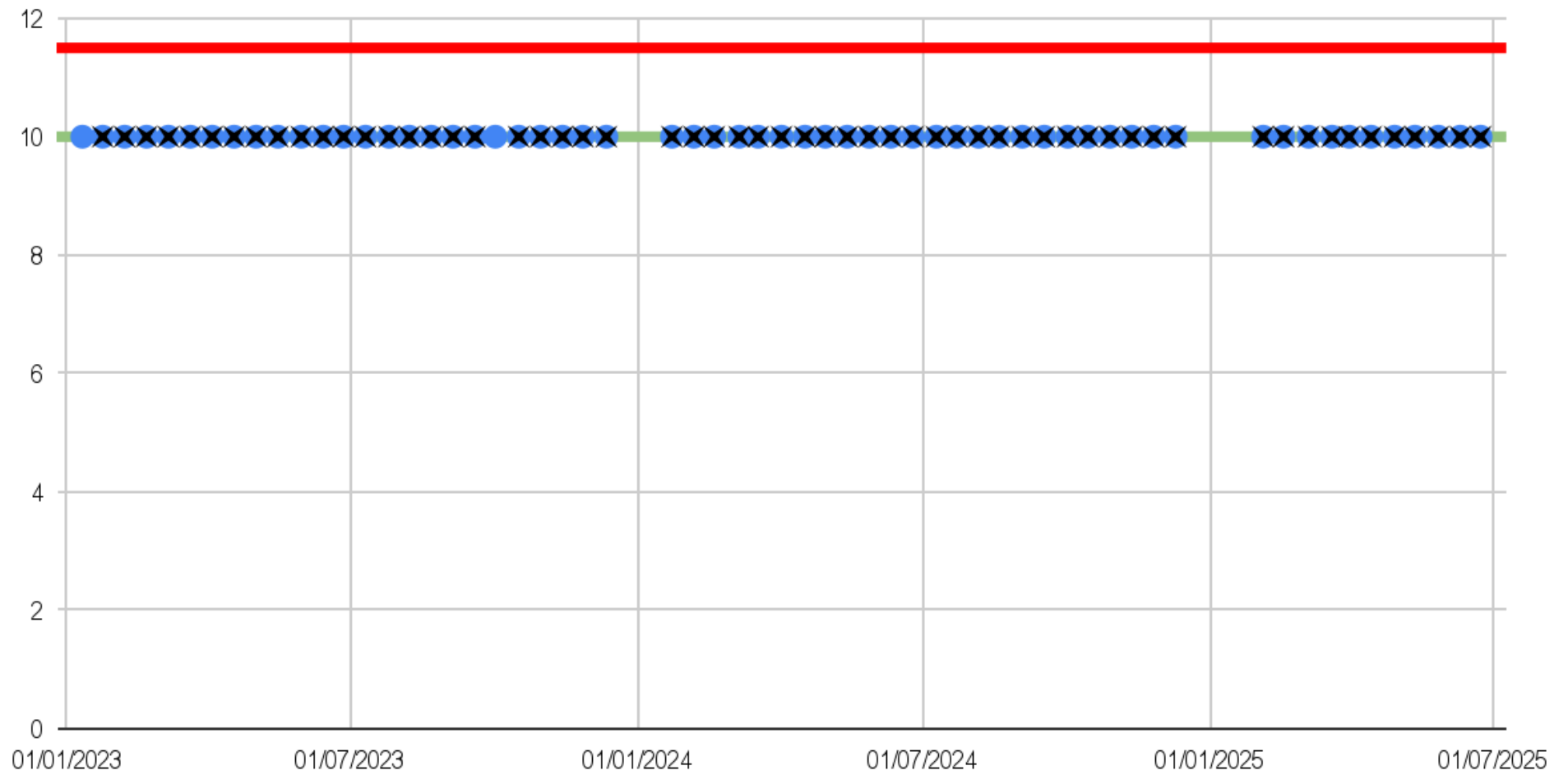


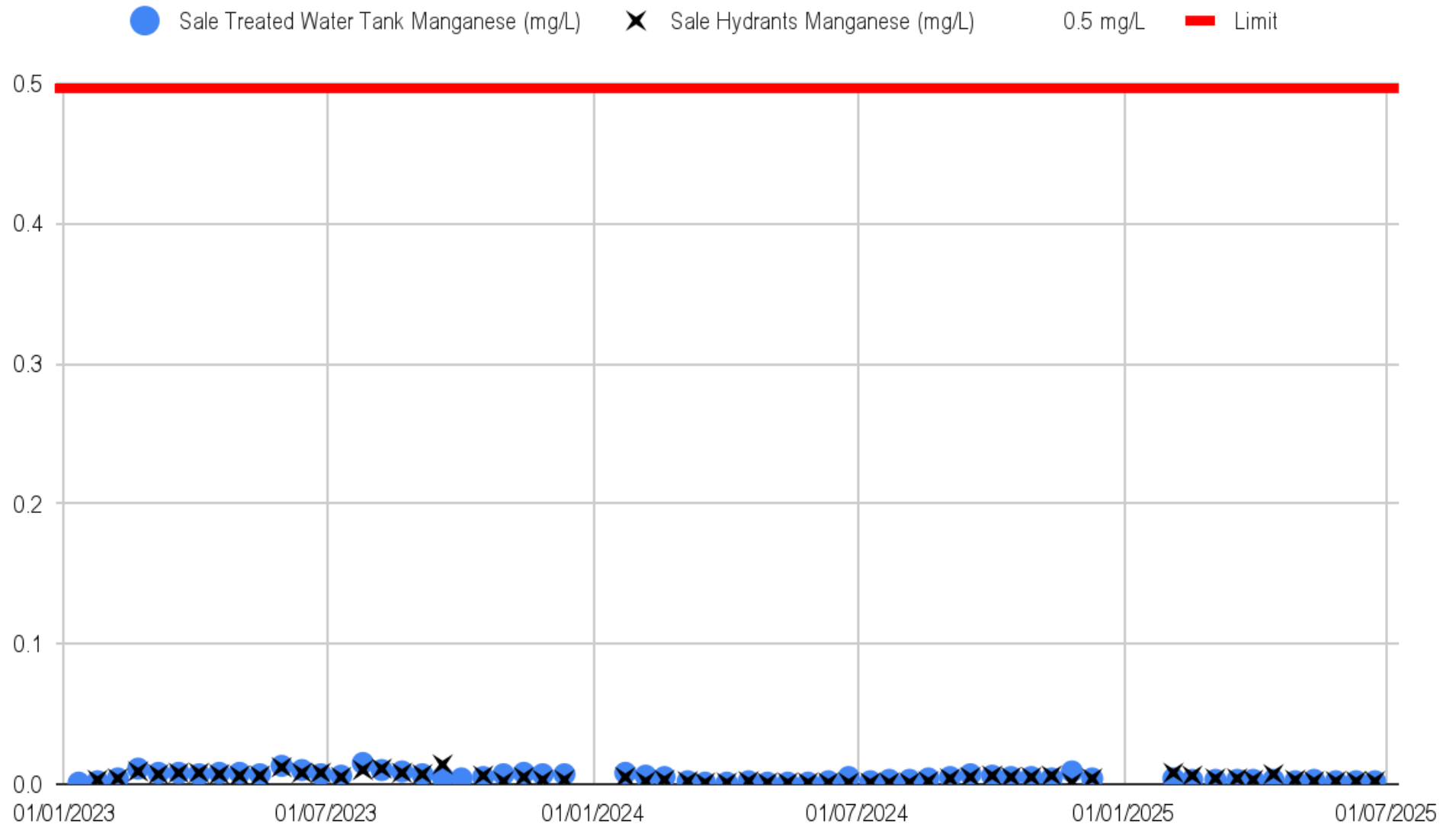
● Sale Treated Water Tank E.coli (CFU/100mL) ✕ Sale Hydrants E.coli (CFU/100mL) 1 CFU/100mL — Limit



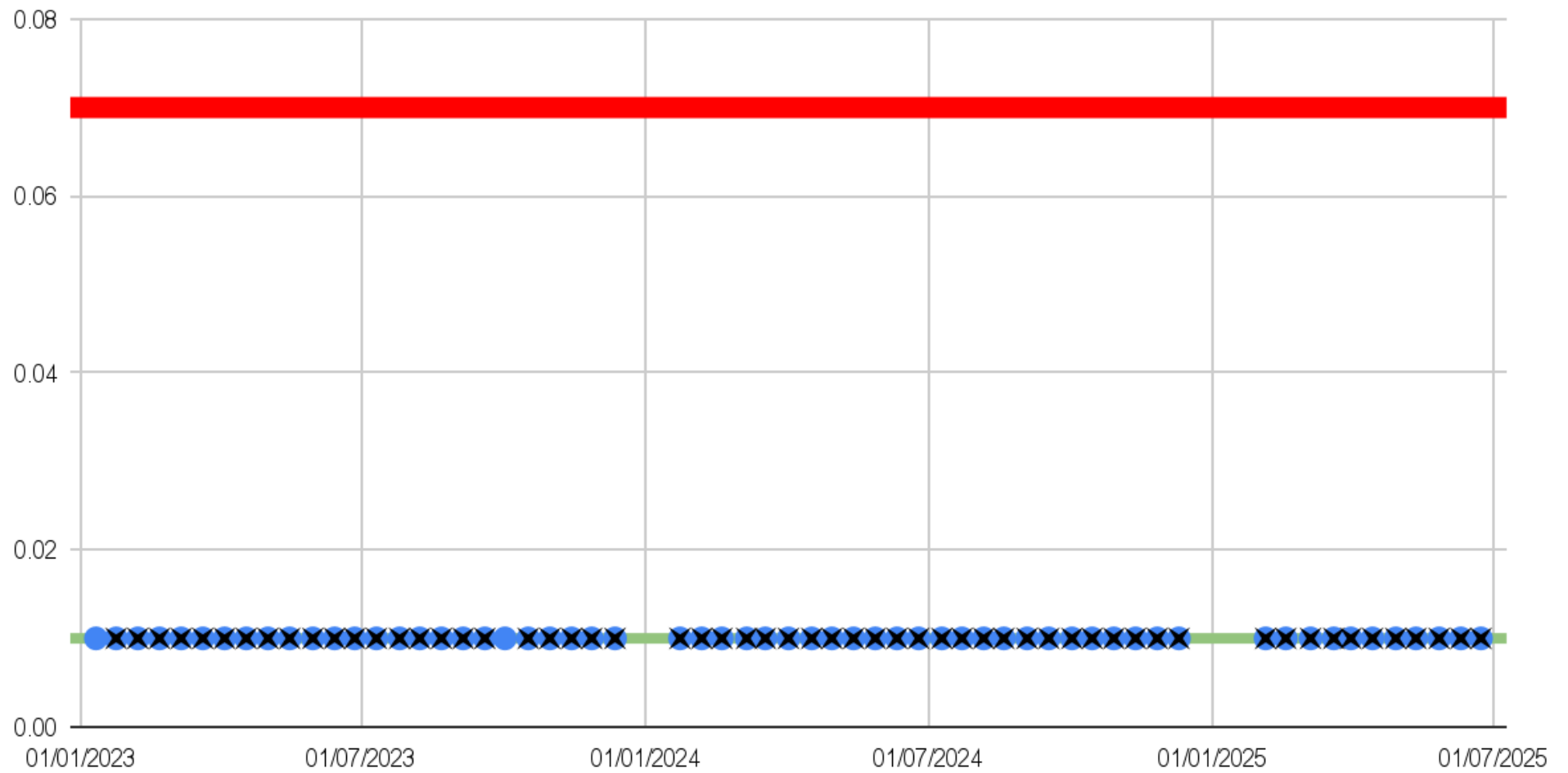


● Sale Treated Water Tank Total Legionella (CFU/mL) ✕ Sale Hydrants Total Legionella (CFU/mL) 10 CFU/mL ■ Limit
Non Detect Results ■

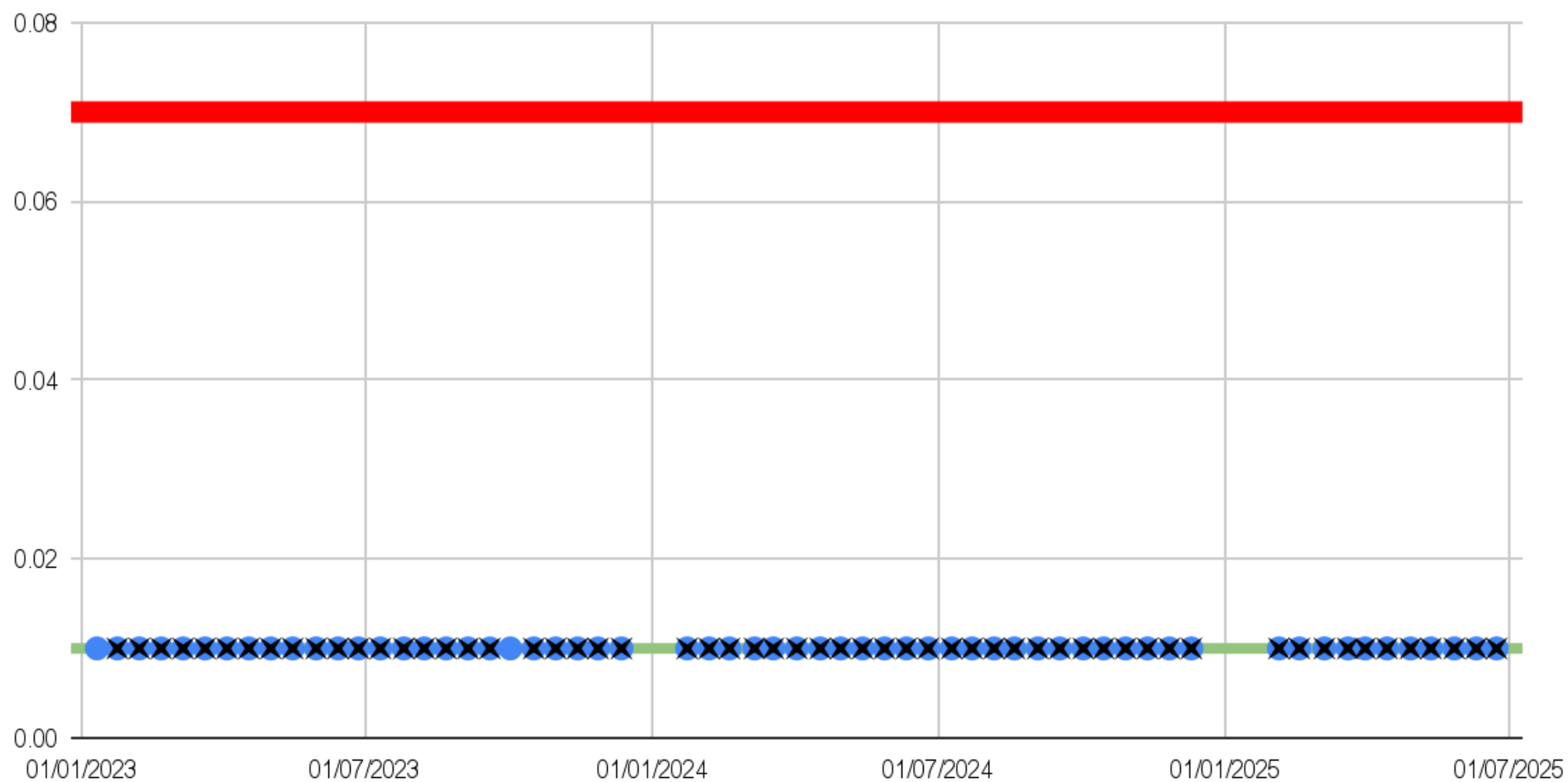




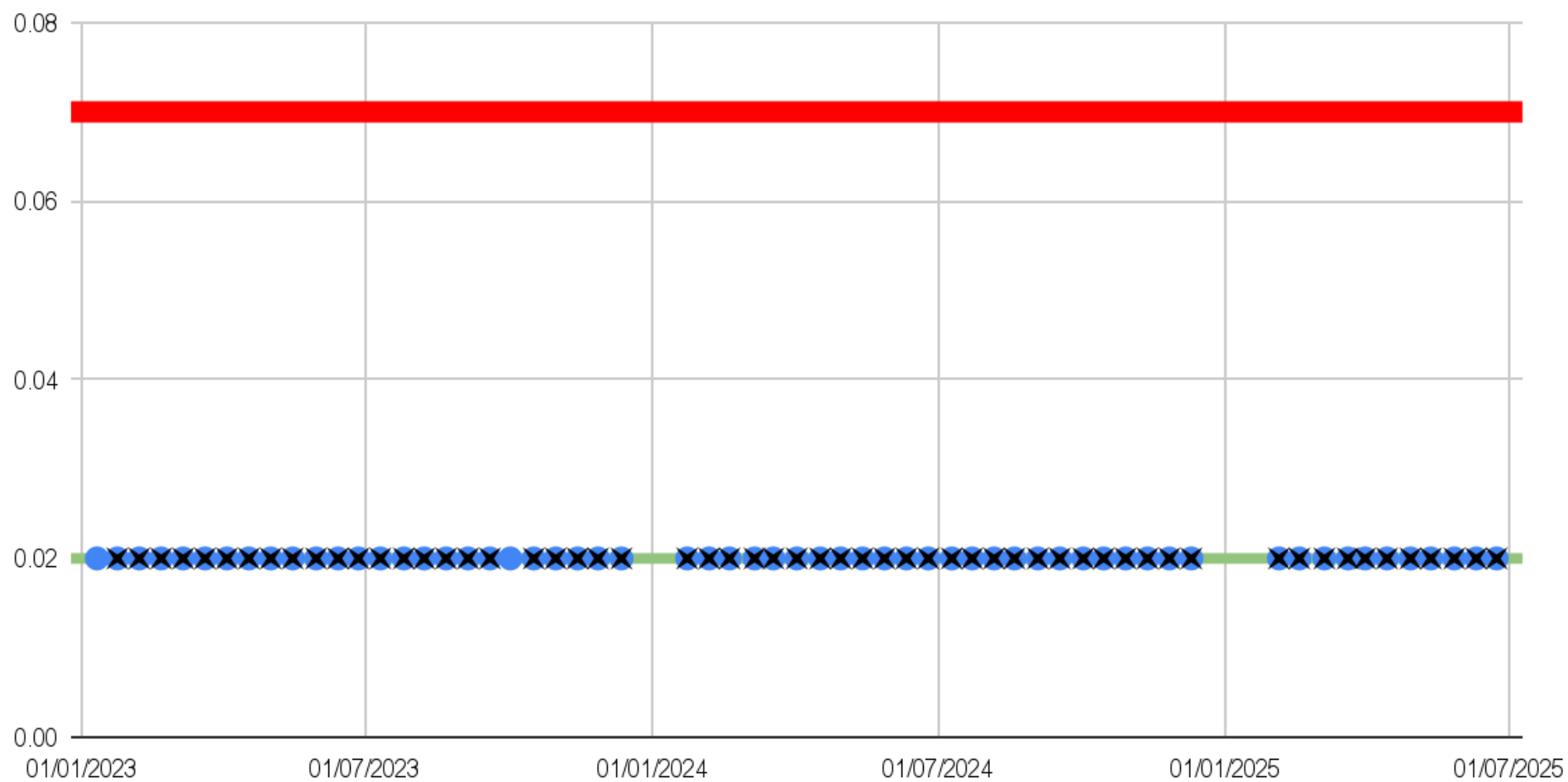
● Sale Treated Water Tank PFOA (µg/L) ✕ Sale Hydrants PFOA (µg/L) PFOA + PFOS 0.07 µg/L — Limit
Non Detect Results —

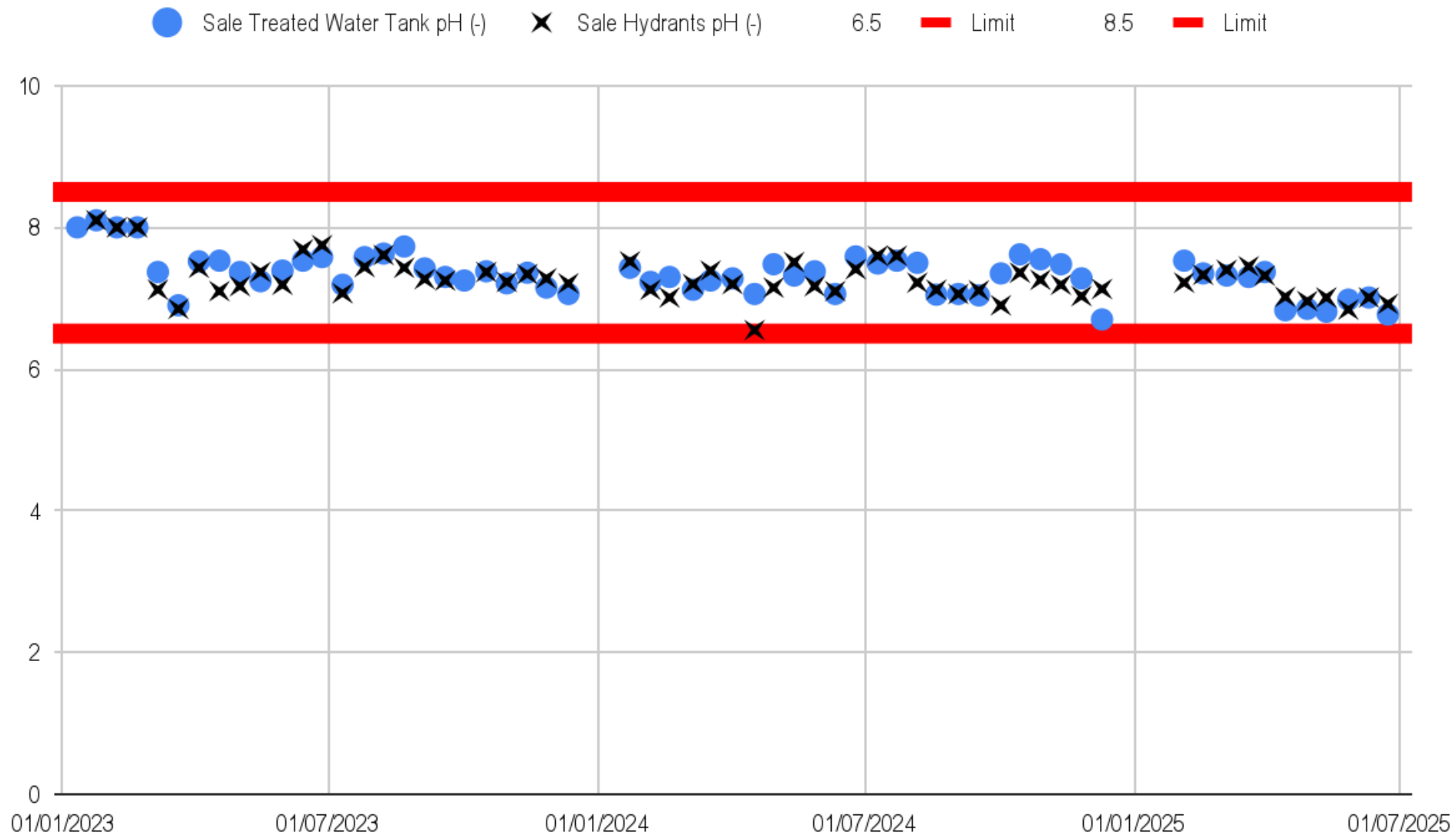


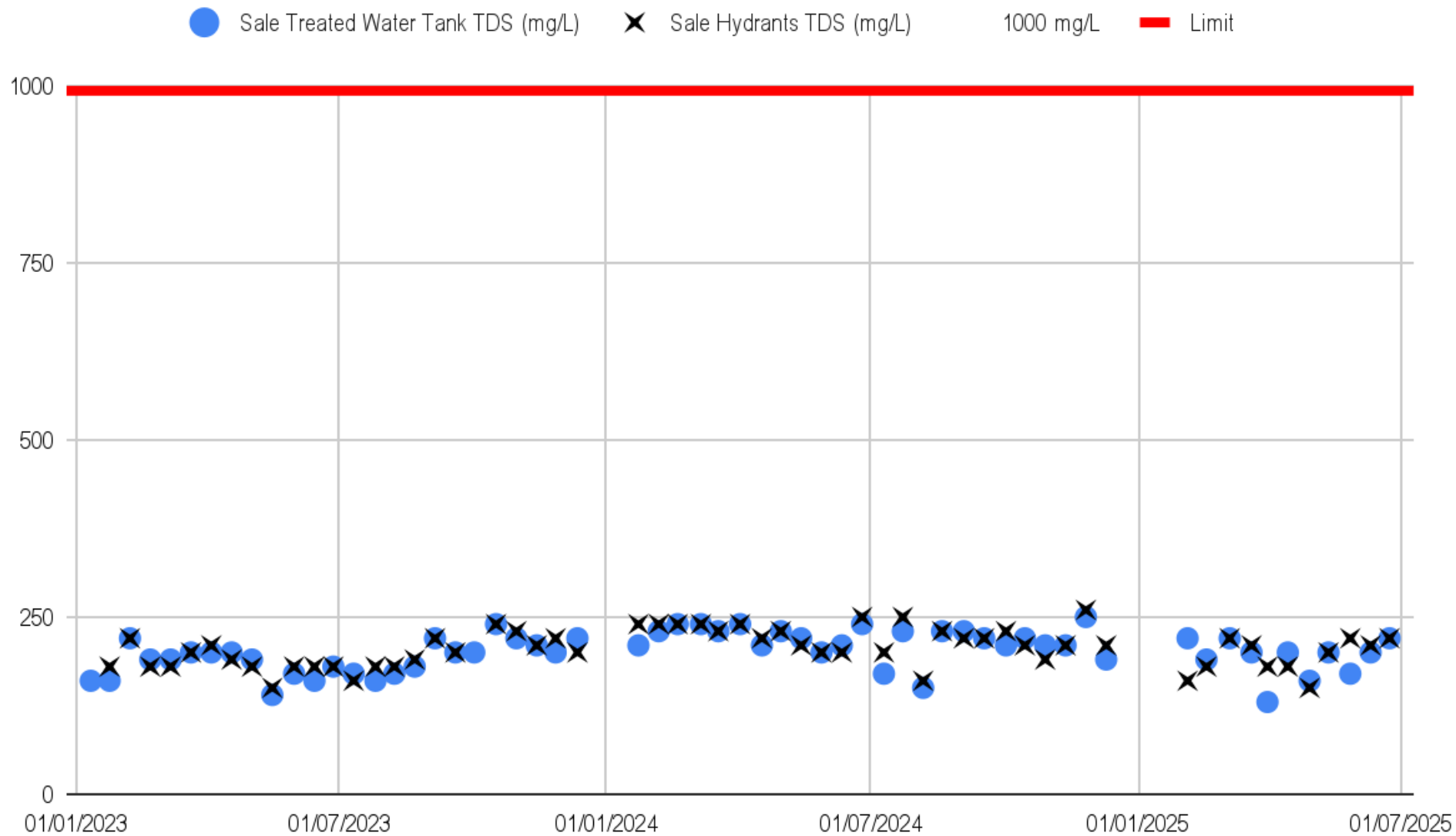
● Sale Treated Water Tank PFOS (µg/L) ✕ Sale Hydrants PFOS (µg/L) PFOA + PFOS 0.07 µg/L — Limit
Non Detect Results —

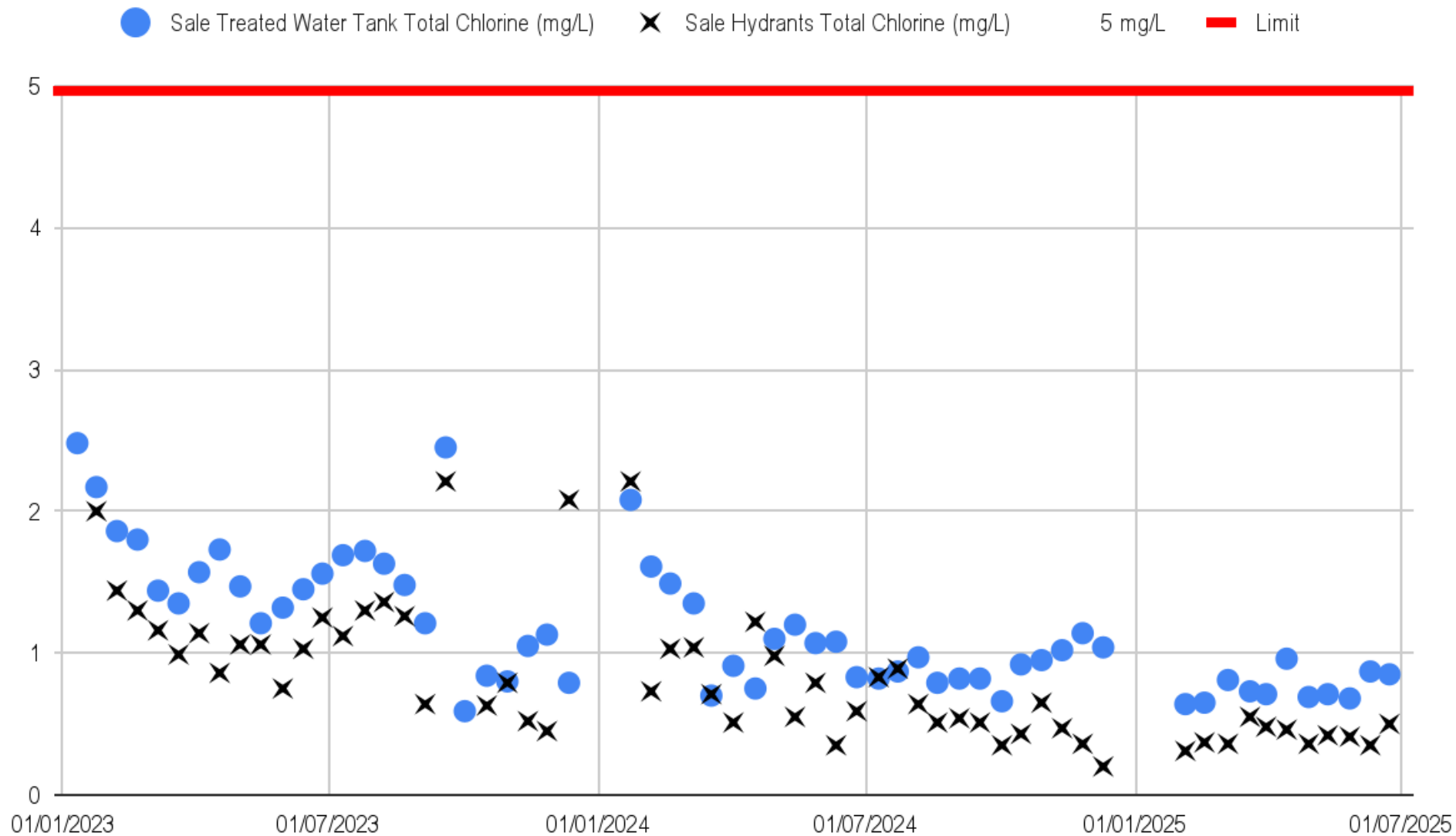


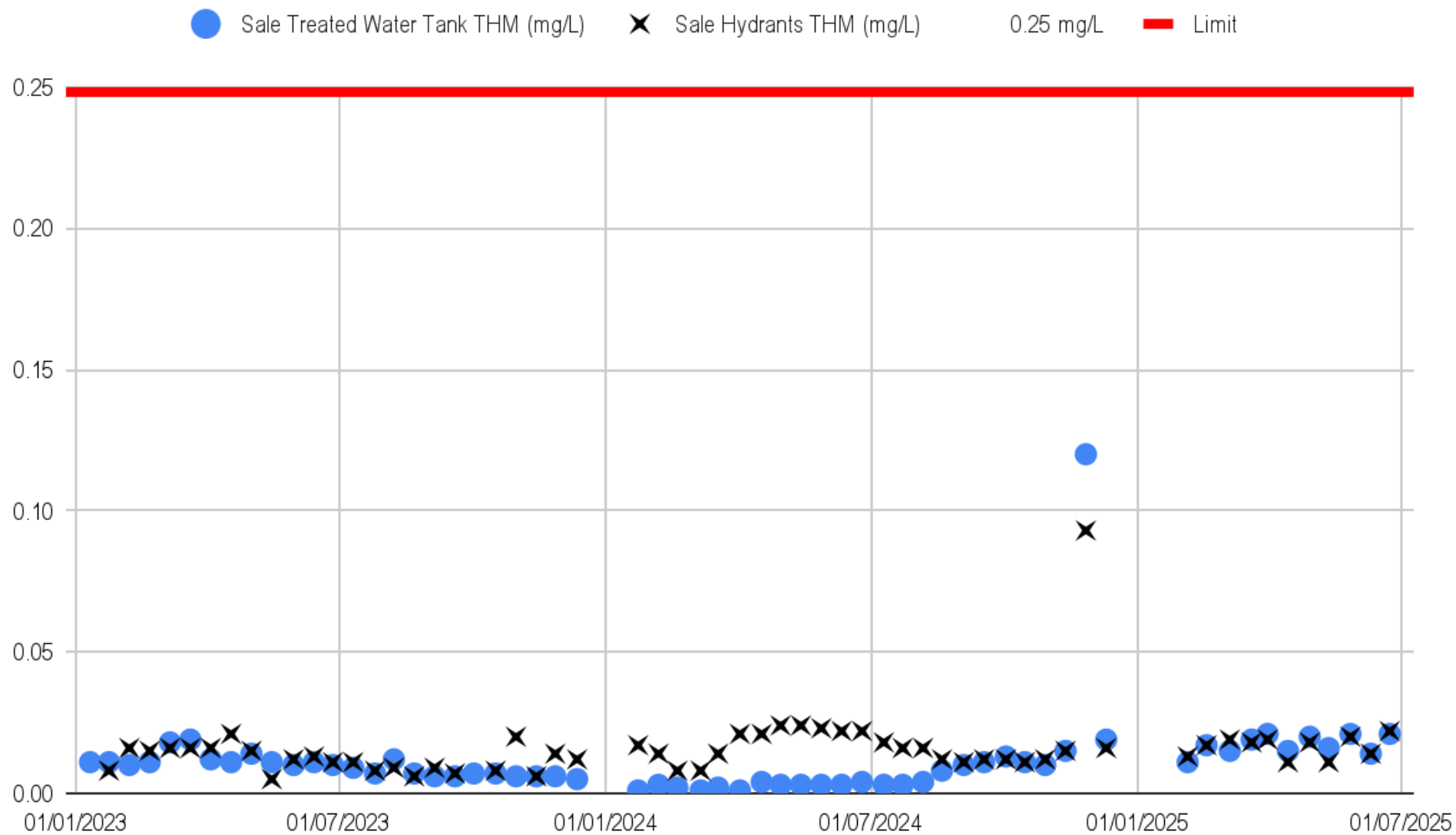
● Sale Treated Water Tank PFHxS (µg/L) ✕ Sale Hydrants PFHxS (µg/L) PFOS + PFHxS µg/L — Limit
Non Detect Results —

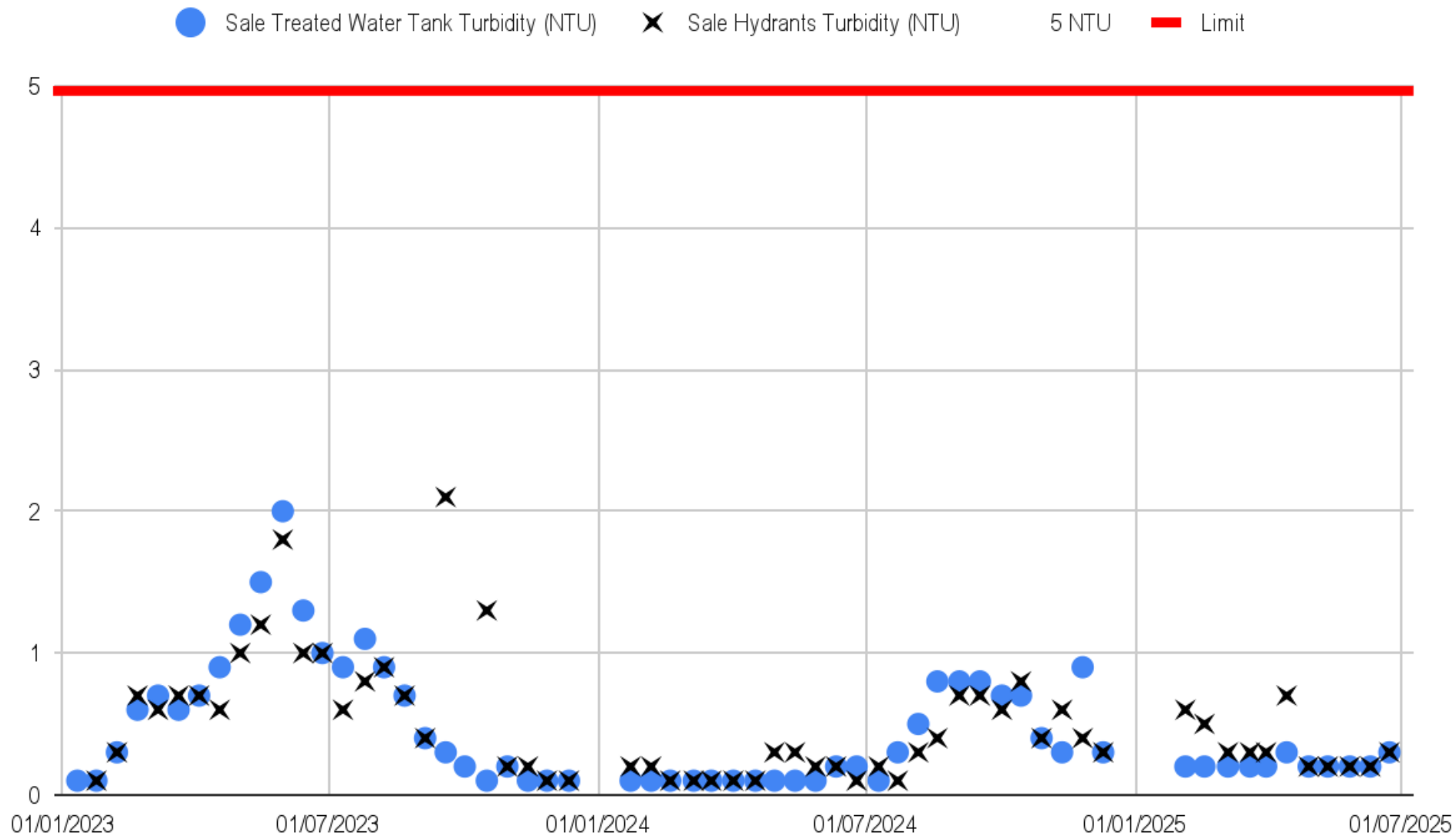




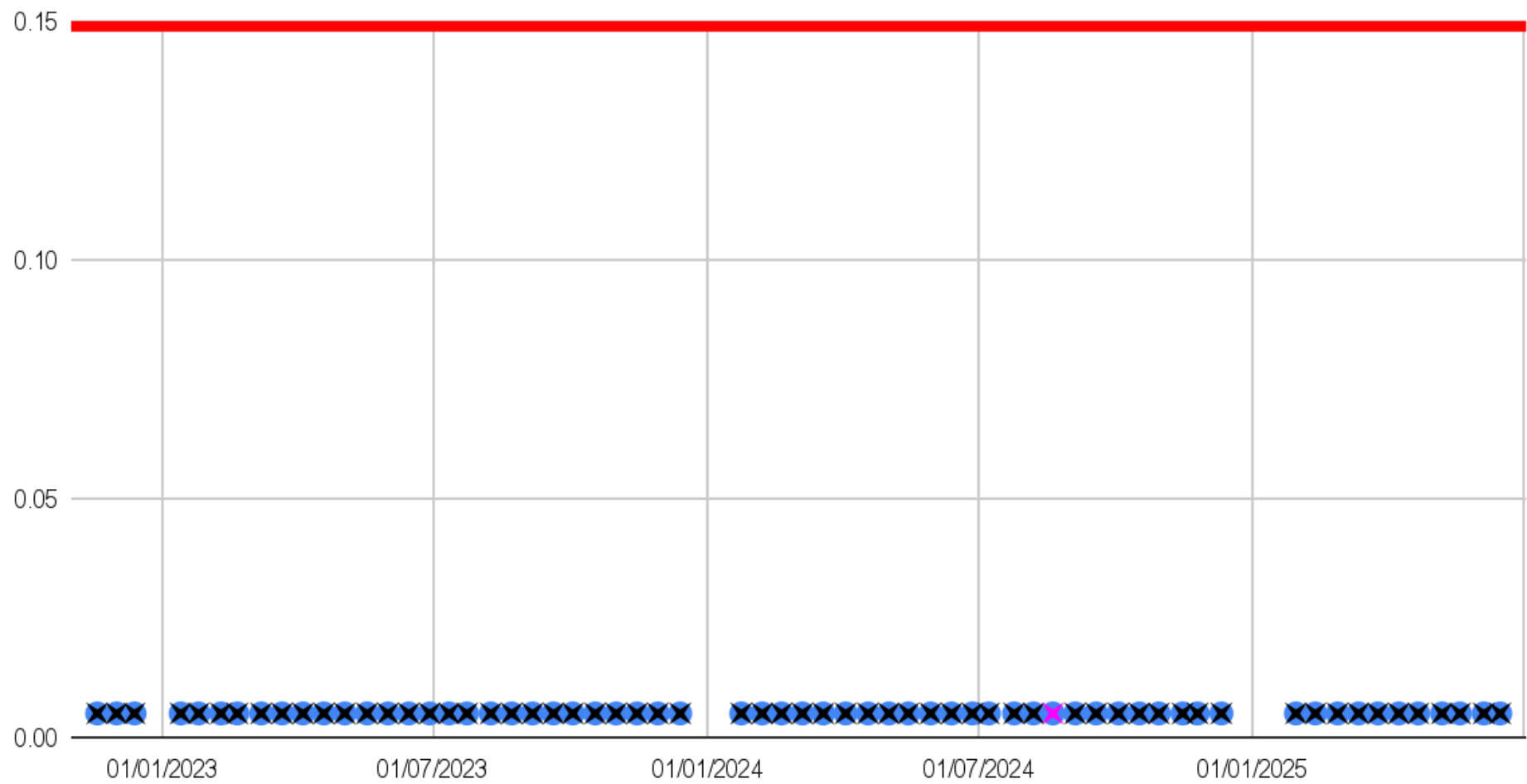


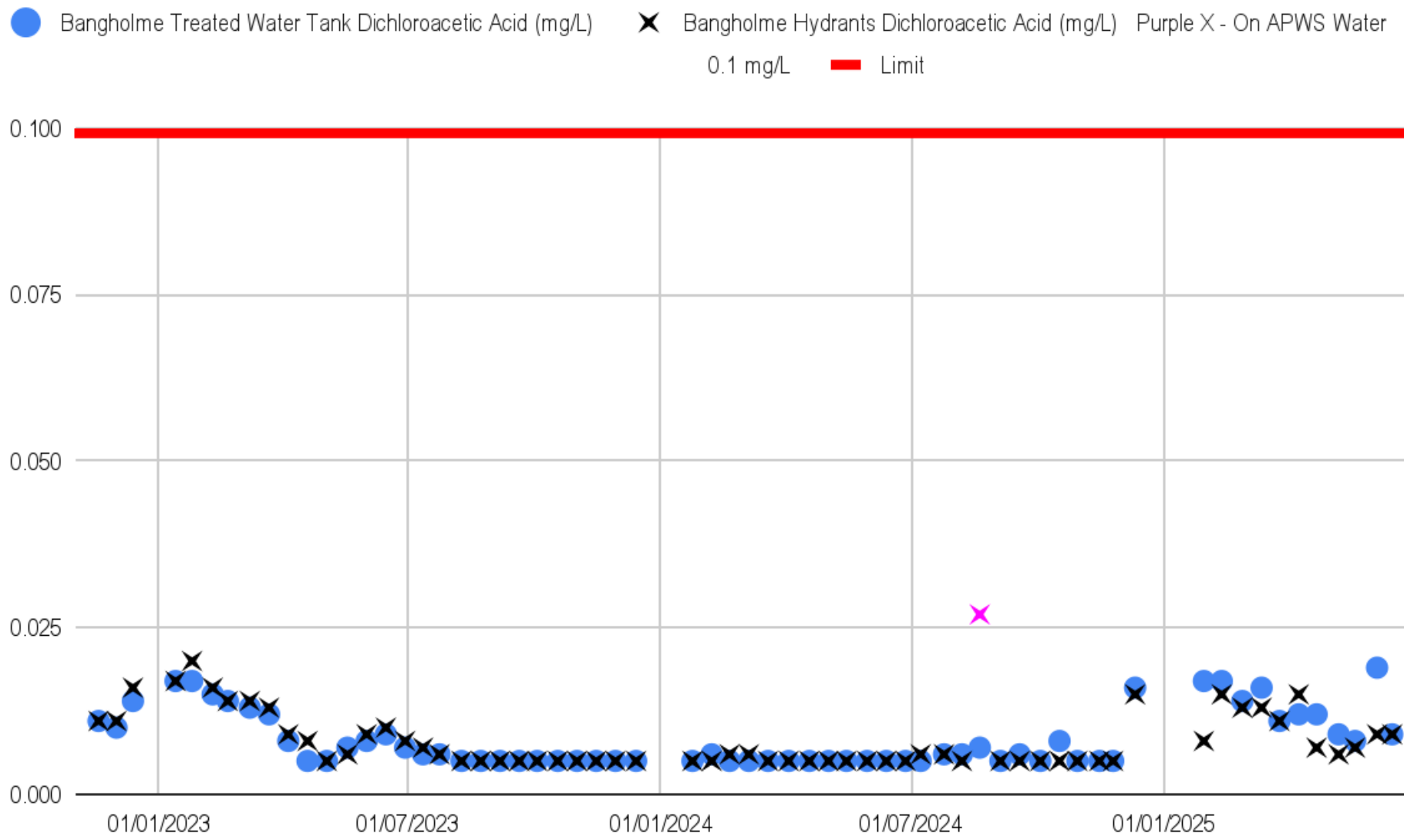




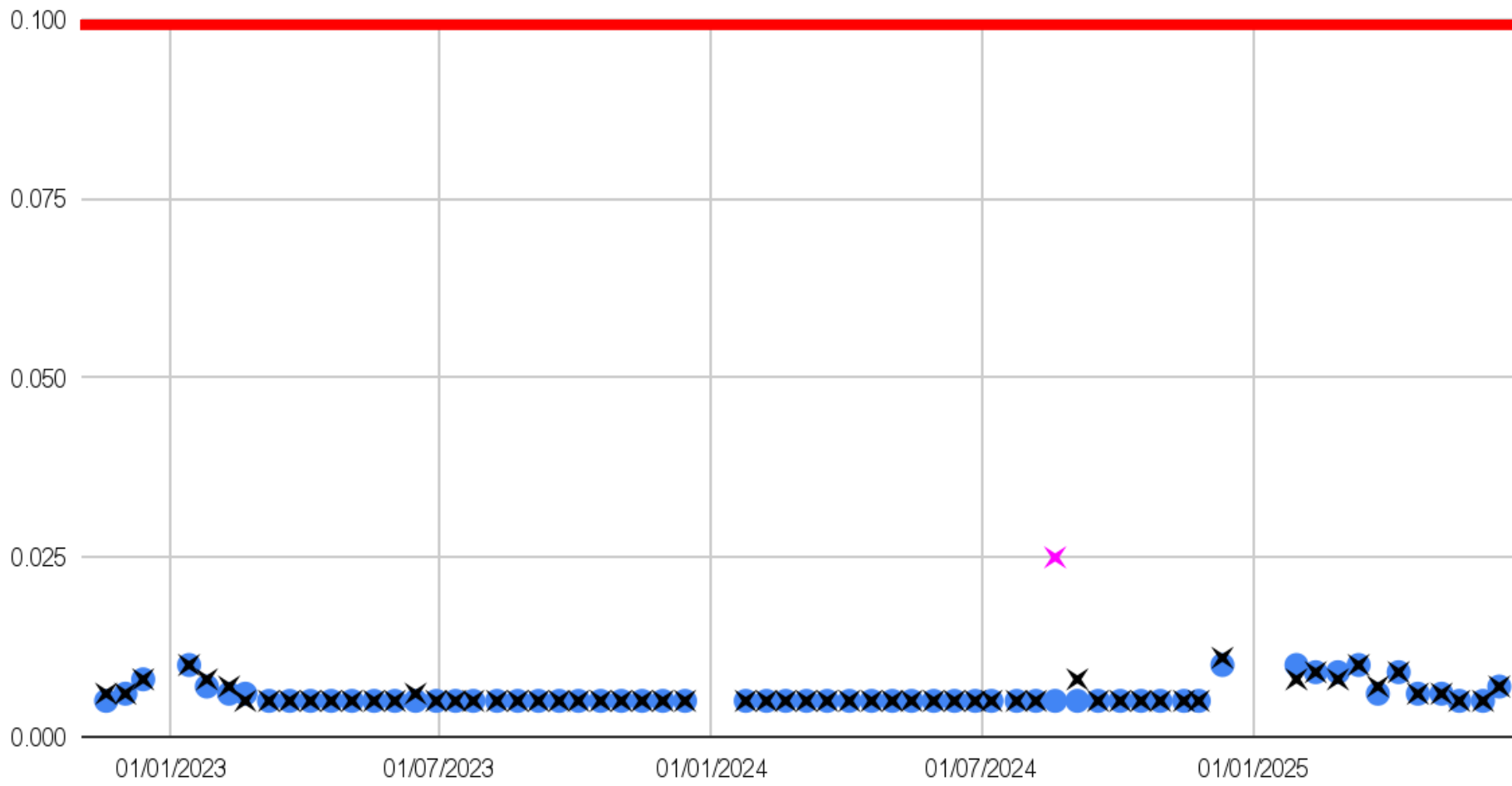


● Bangholme Treated Water Tank Chloroacetic Acid (mg/L) ✕ Bangholme Hydrants Chloroacetic Acid (mg/L) Purple X - On APWS Water
0.15 mg/L — Limit

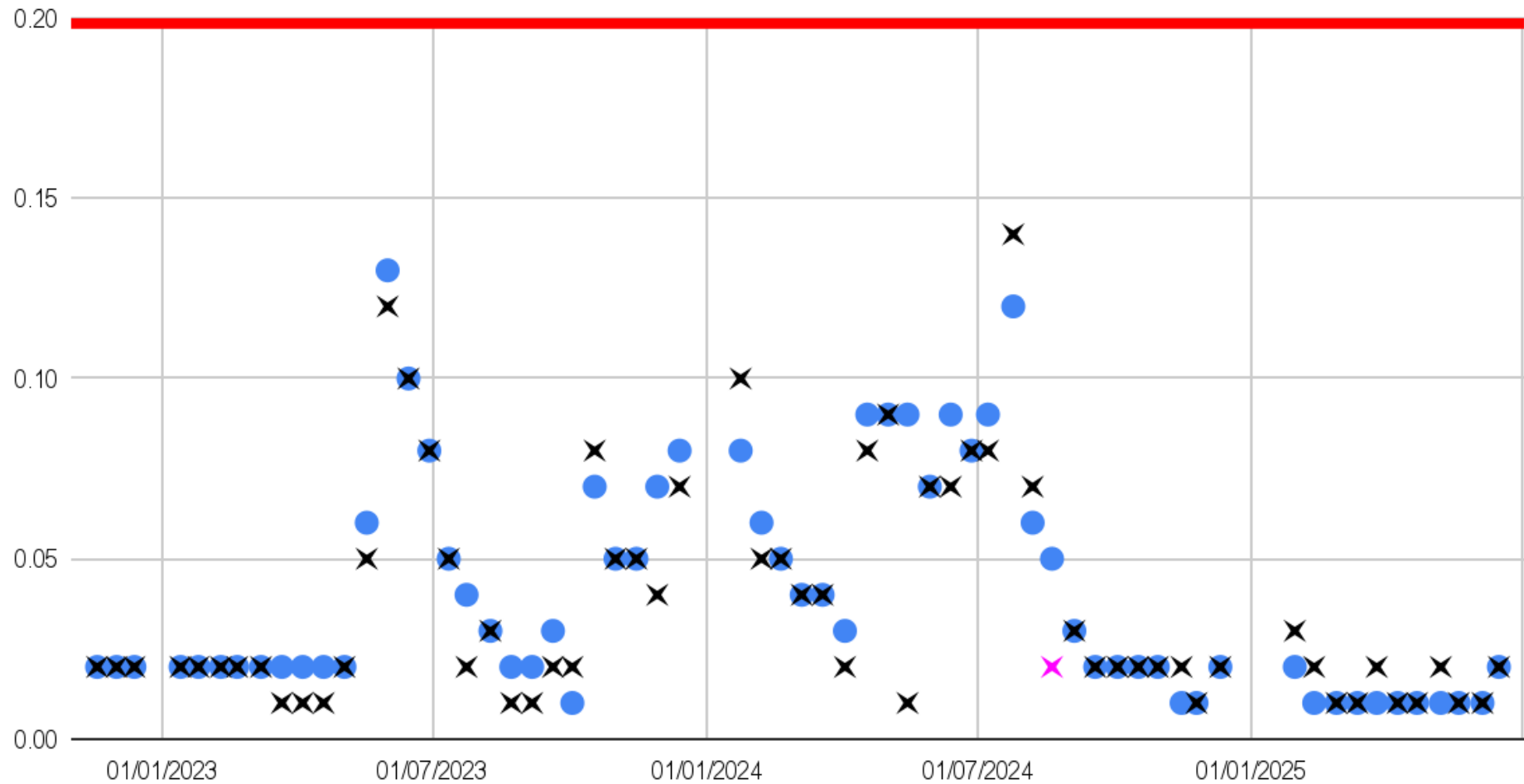




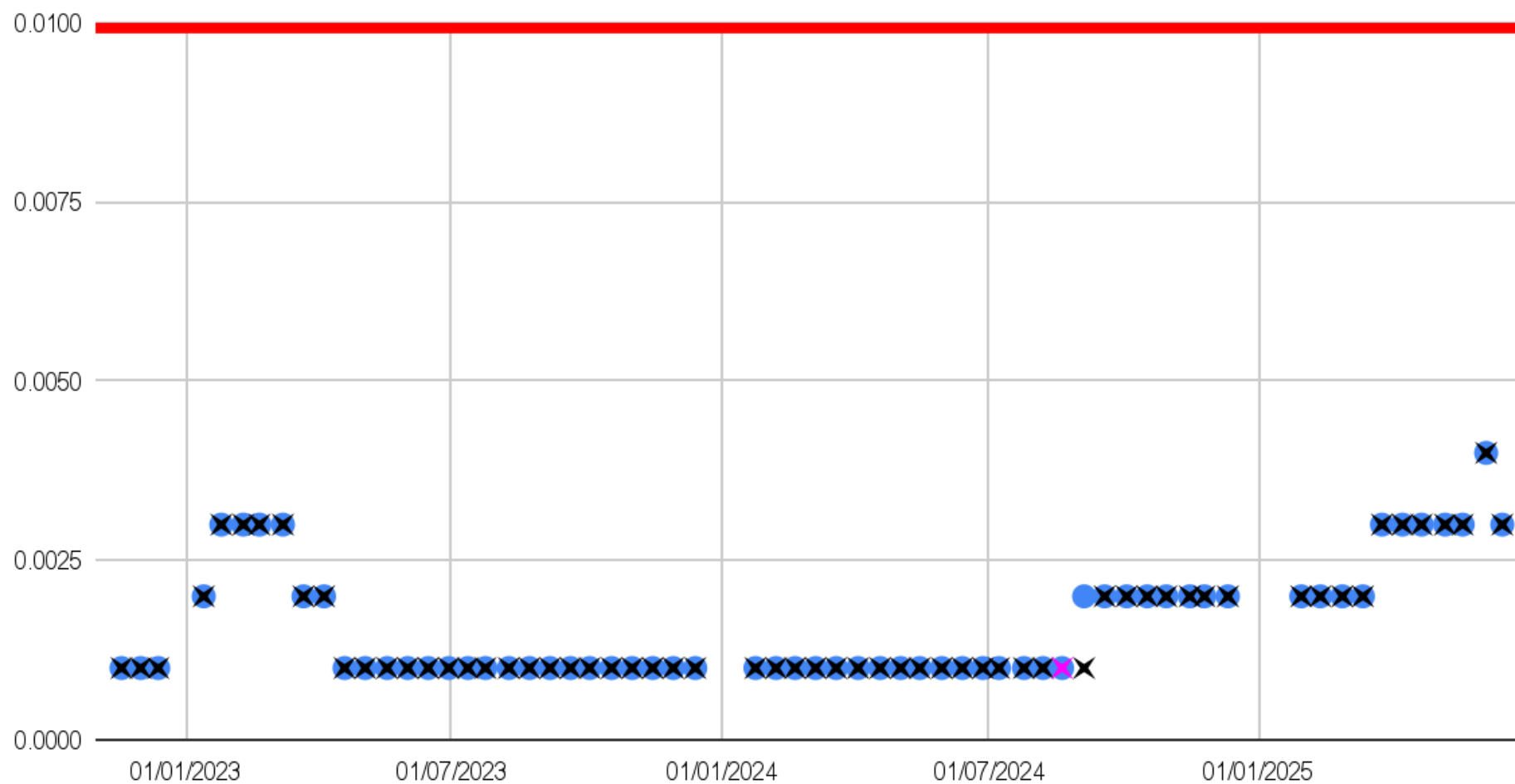
● Bangholme Treated Water Tank Trichloroacetic Acid (mg/L) ✕ Bangholme Hydrants Trichloroacetic Acid (mg/L) Purple X - On APWS Water
0.1 mg/L — Limit



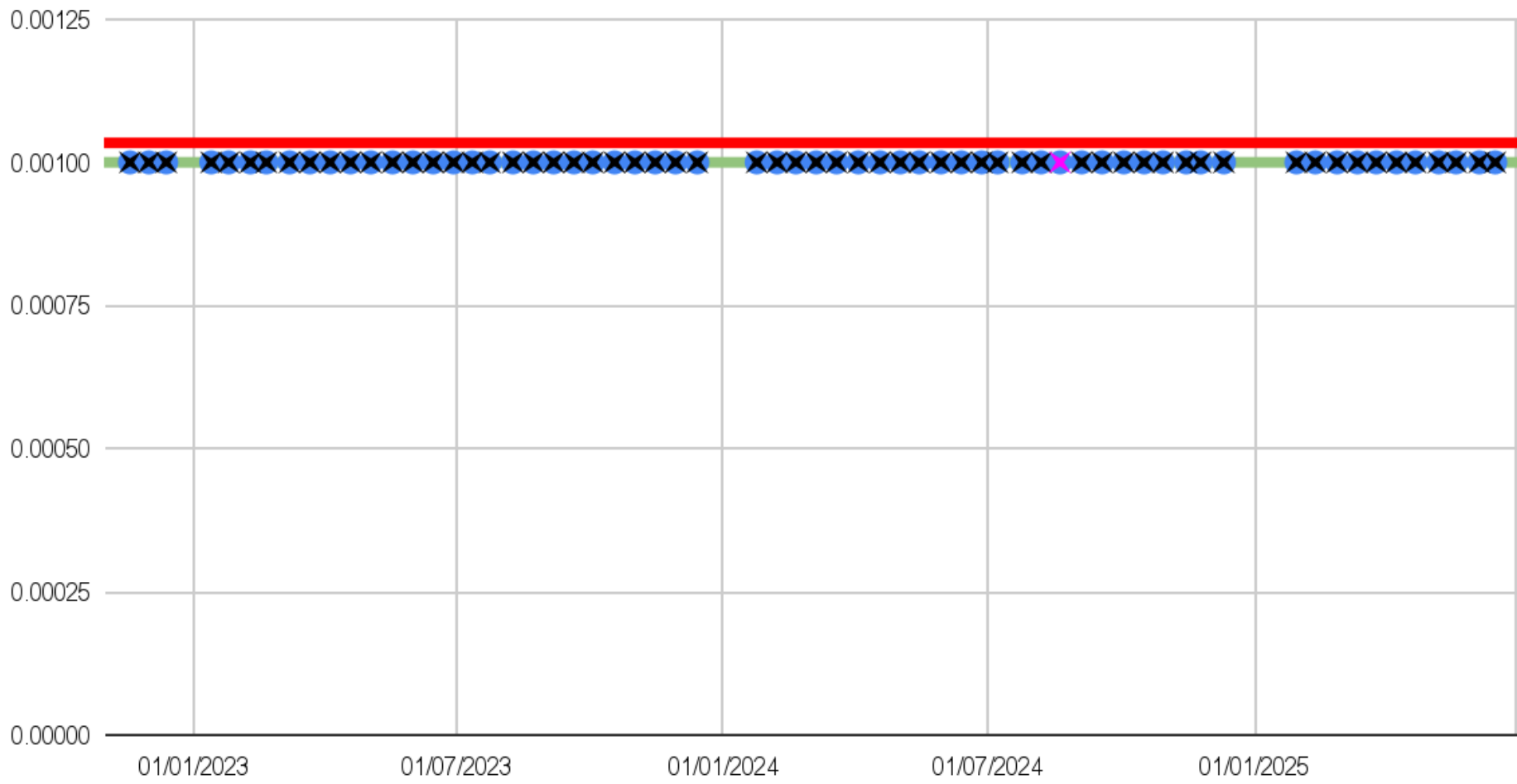
● Bangholme Treated Water Tank Acid Soluble Aluminium (mg/L) ✕ Bangholme Hydrants Acid Soluble Aluminium (mg/L) ✕ Purple X - On APWS Water Supply
0.2 mg/L — Limit



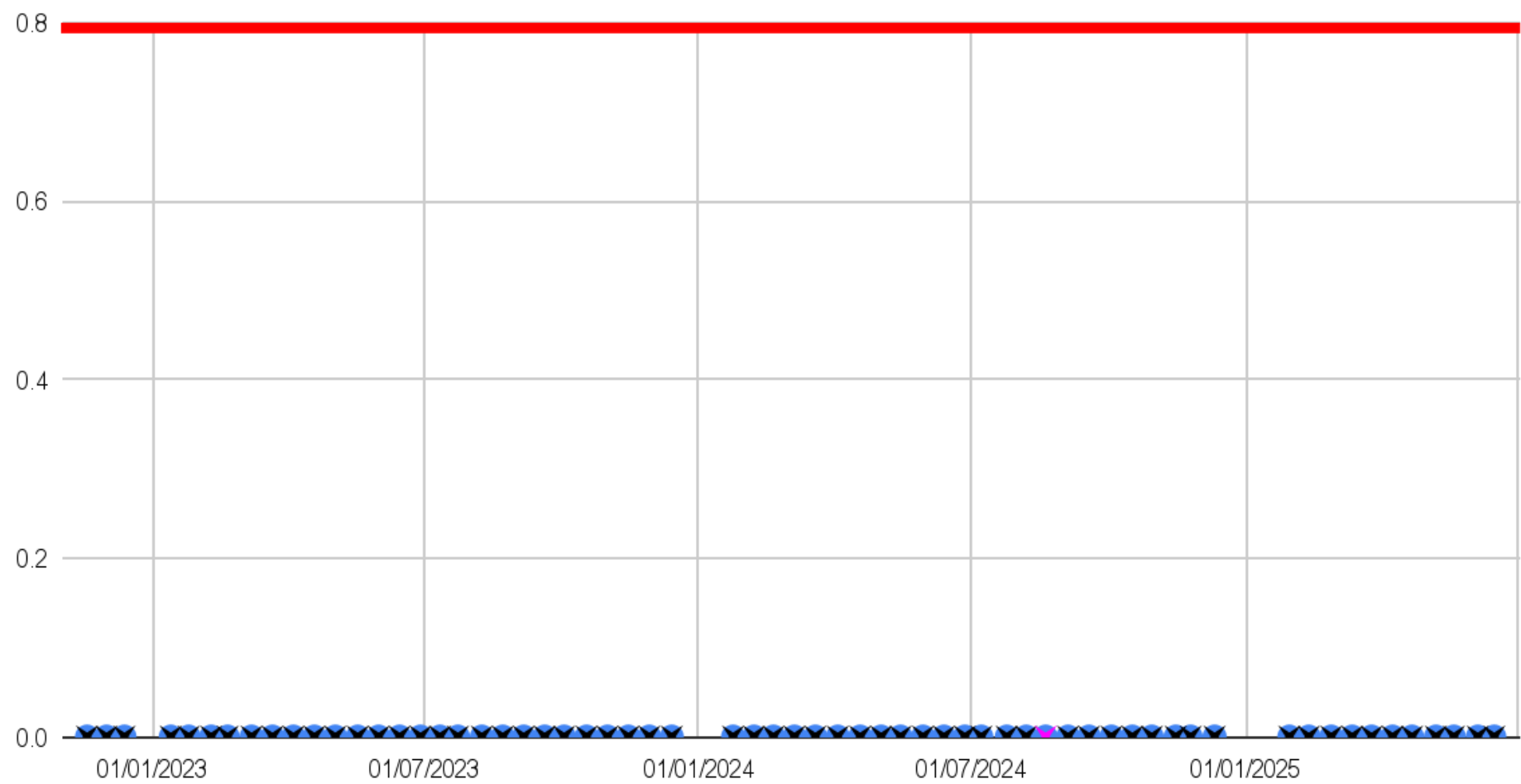
● Bangholme Treated Water Tank Arsenic (mg/L) ✕ Bangholme Hydrants Arsenic (mg/L) Purple X - On APWS Water Supply
0.01 mg/L — Limit



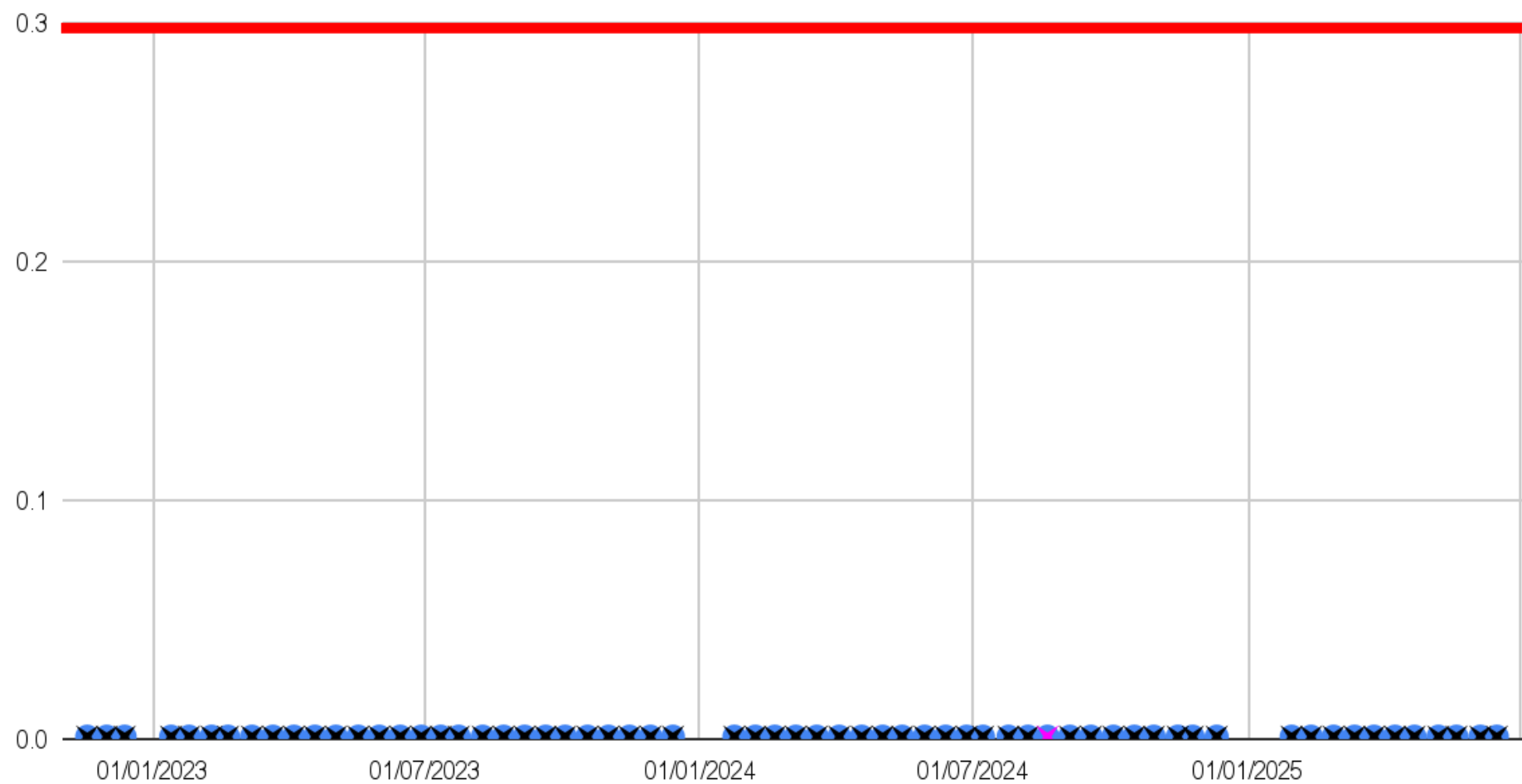
● Bangholme Treated Water Tank Benzene (mg/L) ✕ Bangholme Hydrants Benzene (mg/L) Purple X - On APWS Water Supply
0.001 mg/L — Limit Non Detect Results —



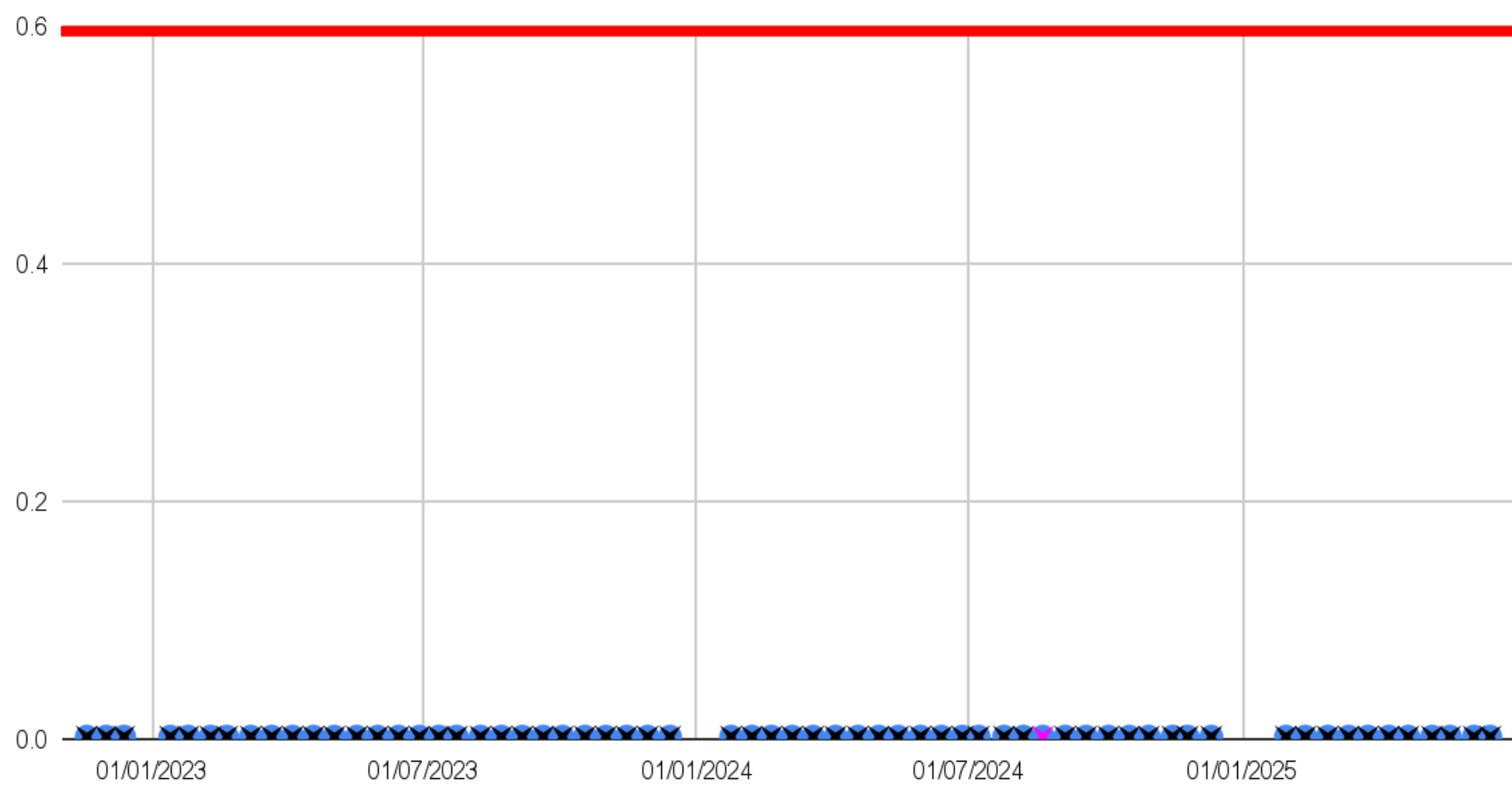
● Bangholme Treated Water Tank Toluene (mg/L) ✕ Bangholme Hydrants Toluene (mg/L) Purple X - On APWS Water Supply
0.8 mg/L ■ Limit



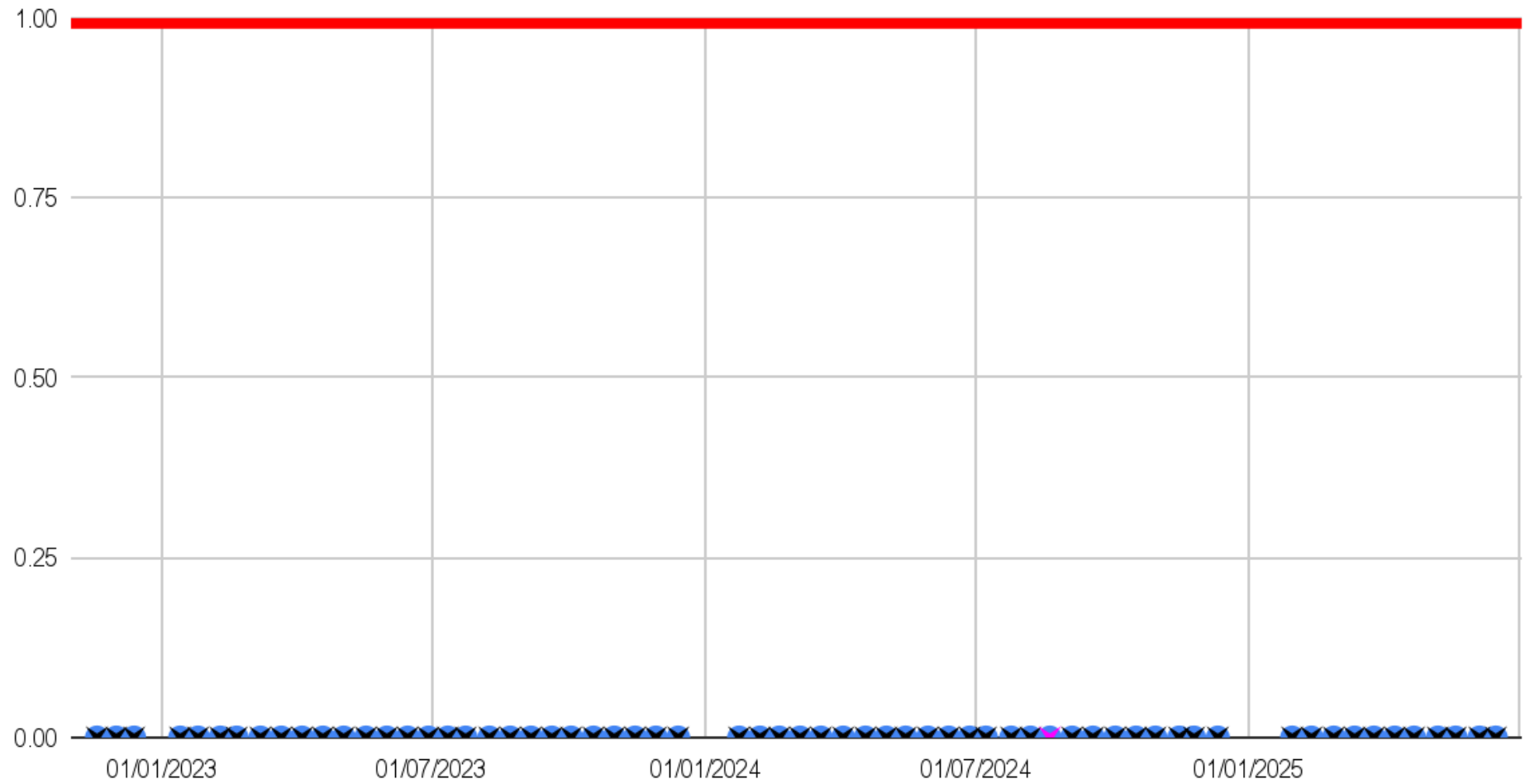
● Bangholme Treated Water Tank Ethylbenzene (mg/L) ✕ Bangholme Hydrants Ethylbenzene (mg/L) Purple X - On APWS Water Supply
0.3 mg/L — Limit

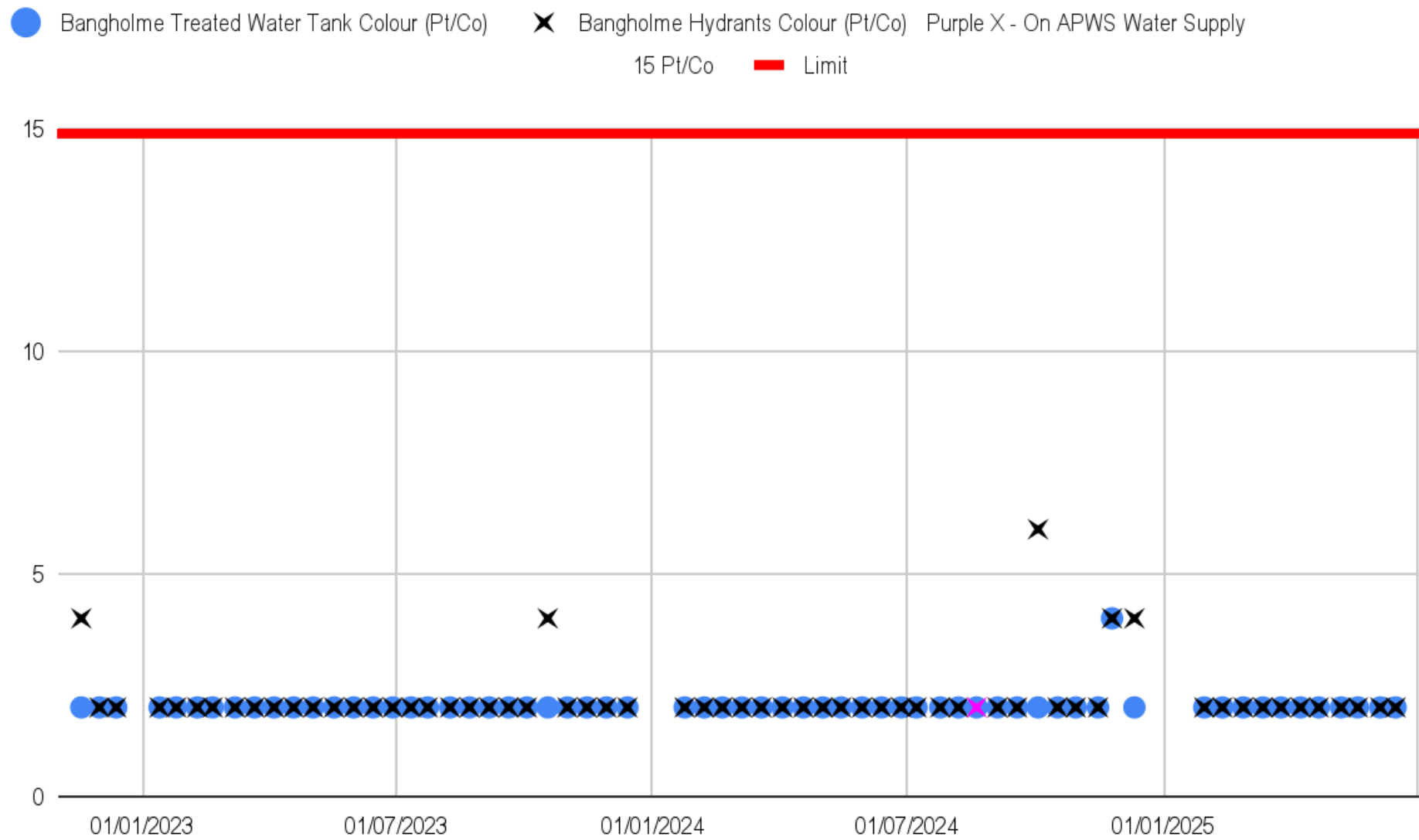


● Bangholme Treated Water Tank Xylene (mg/L) ✕ Bangholme Hydrants Xylene (mg/L) Purple X - On APWS Water Supply
0.6 mg/L — Limit

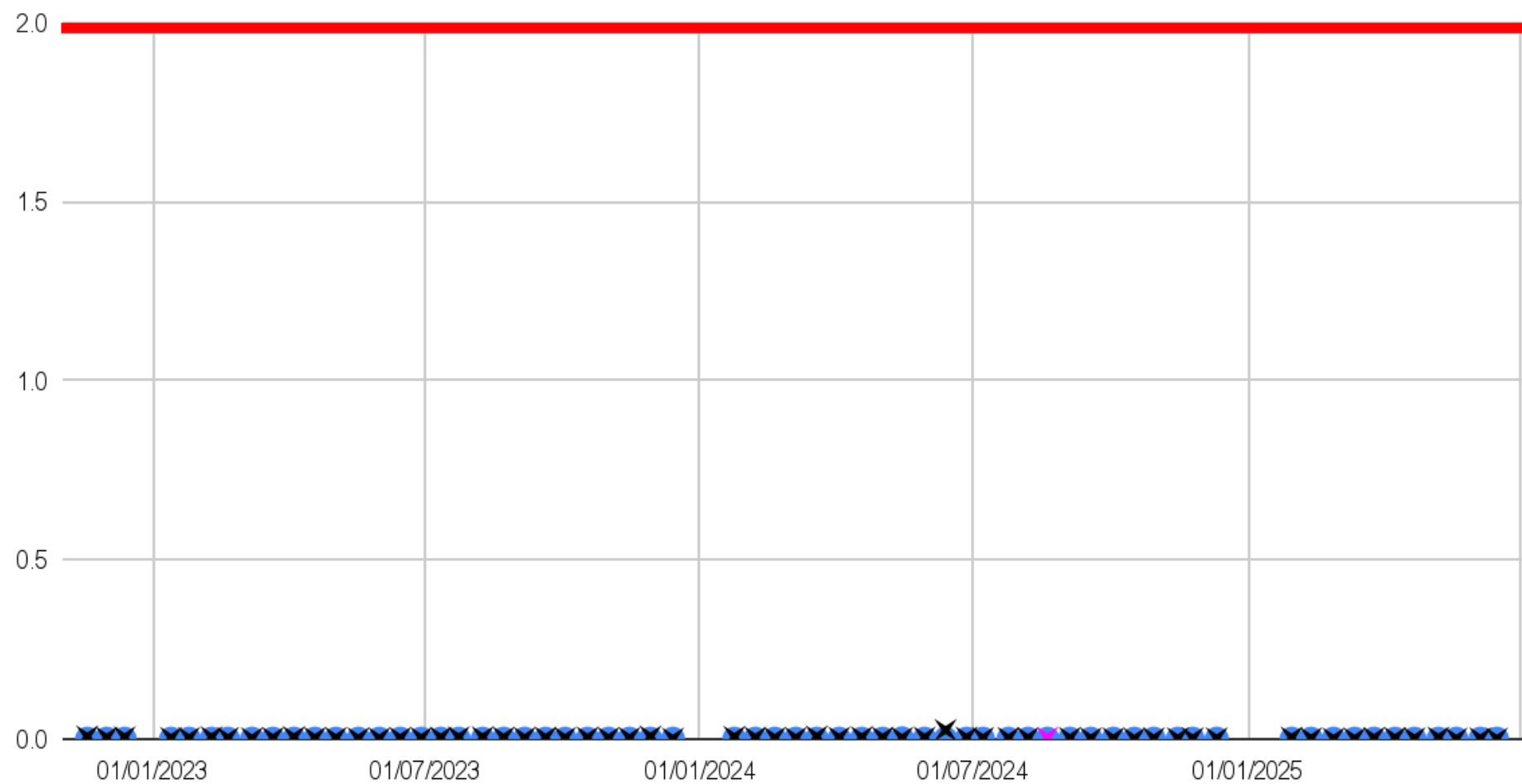


● Bangholme Treated Water Tank Coliforms (CFU/100mL) ✕ Bangholme Hydrants Coliforms (CFU/100mL) Purple X - On APWS Water Supply
1 CFU/100mL — Limit

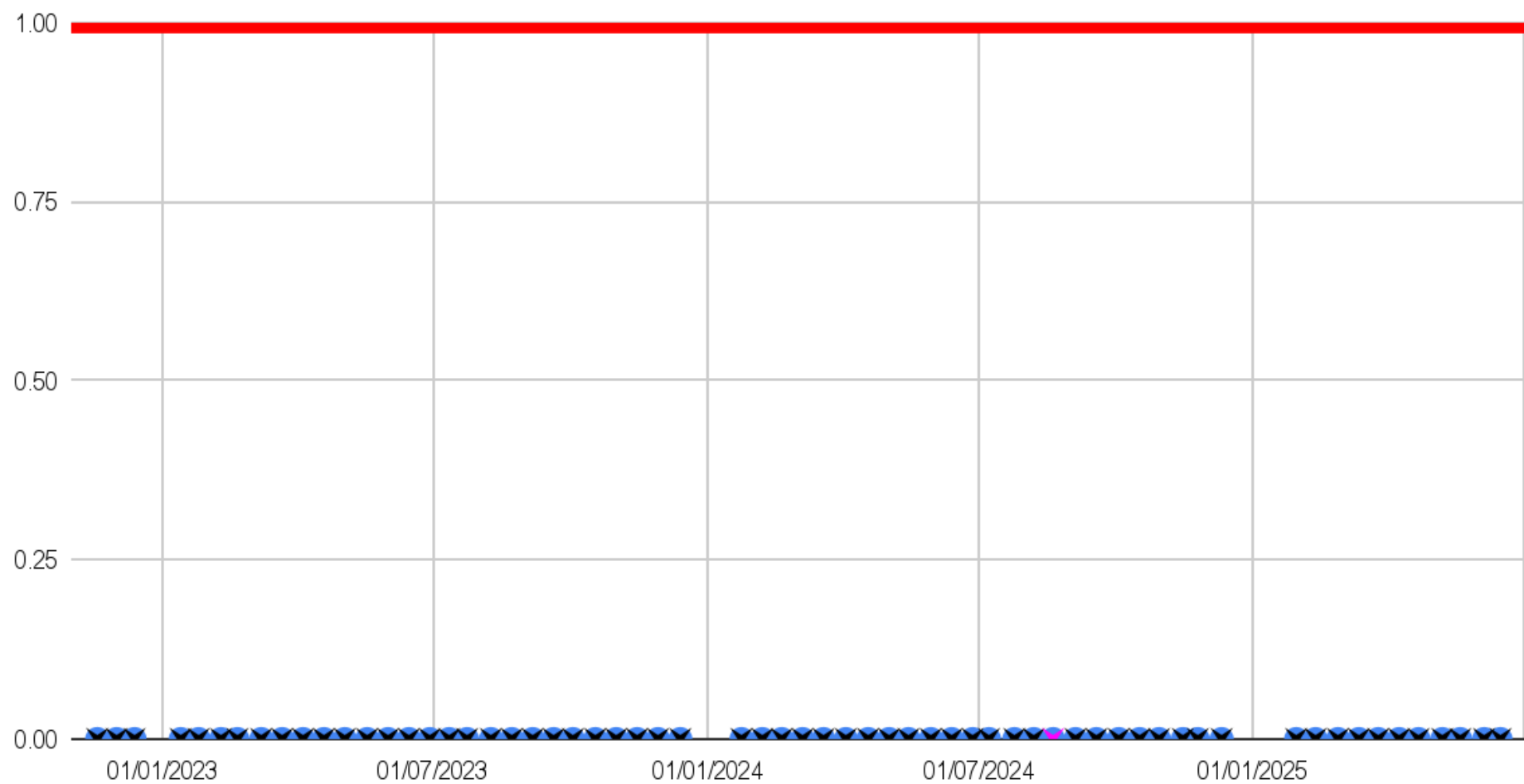


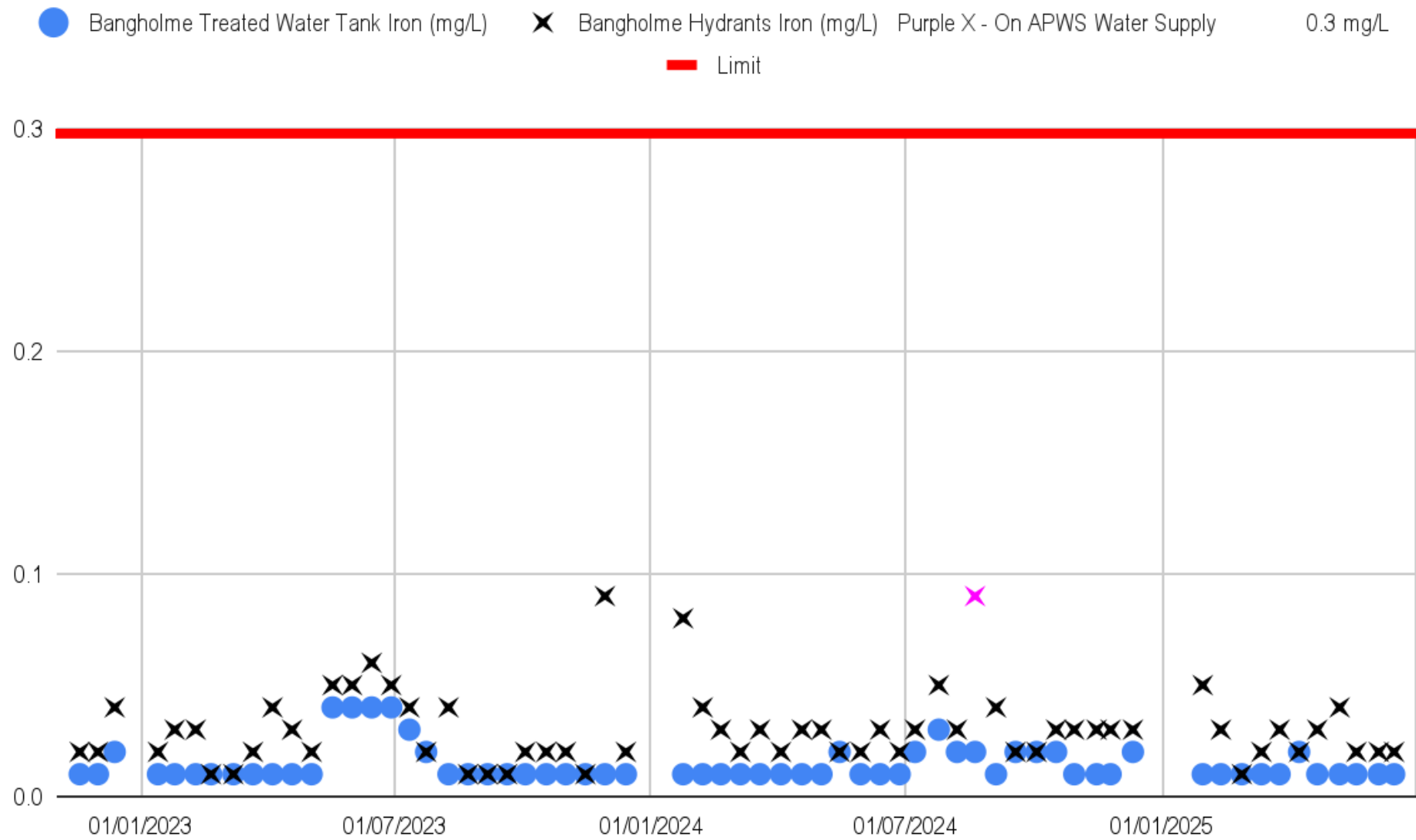


● Bangholme Treated Water Tank Copper (mg/L) ✕ Bangholme Hydrants Copper (mg/L) Purple X - On APWS Water Supply
2 mg/L ■ Limit

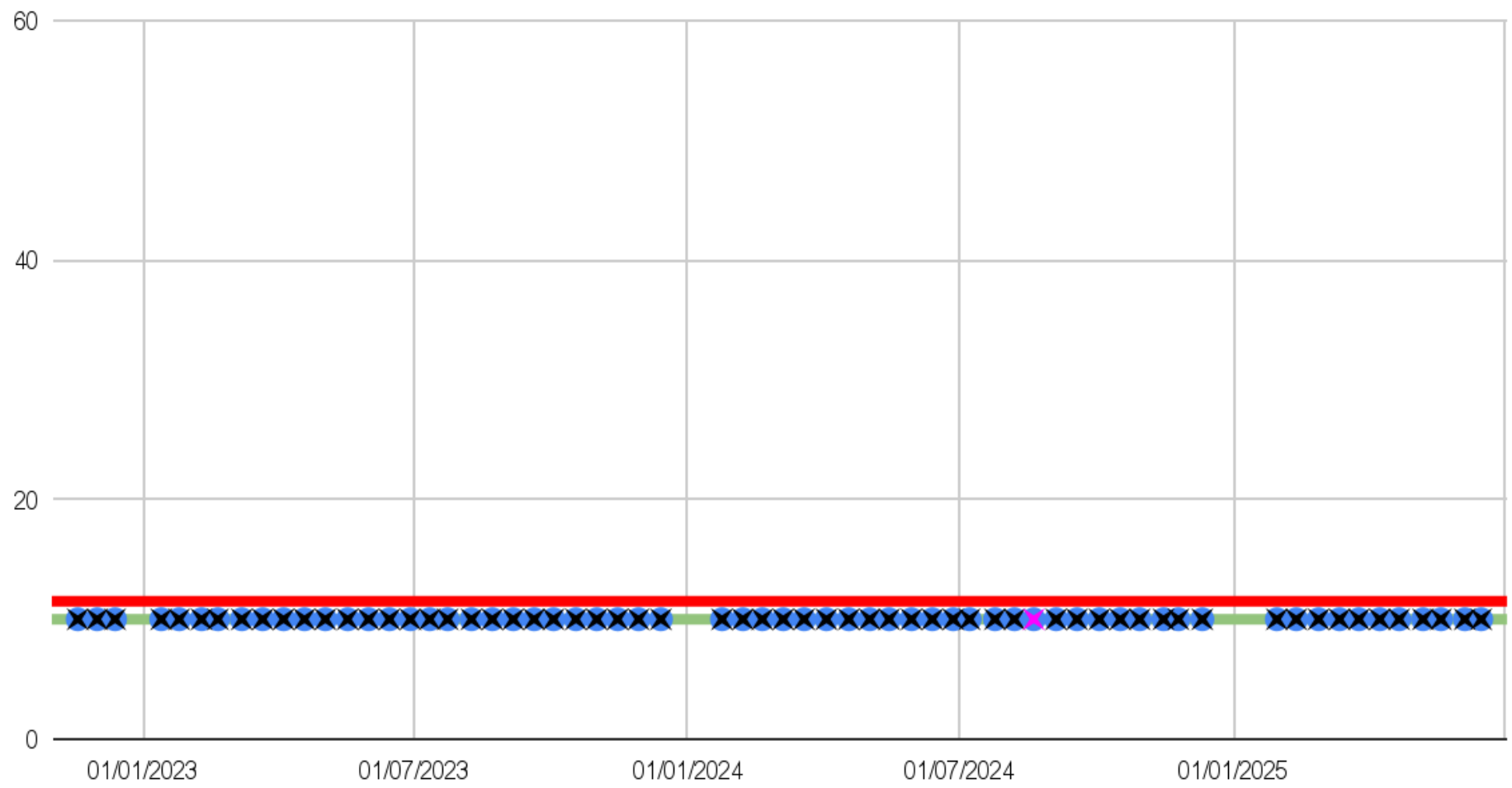


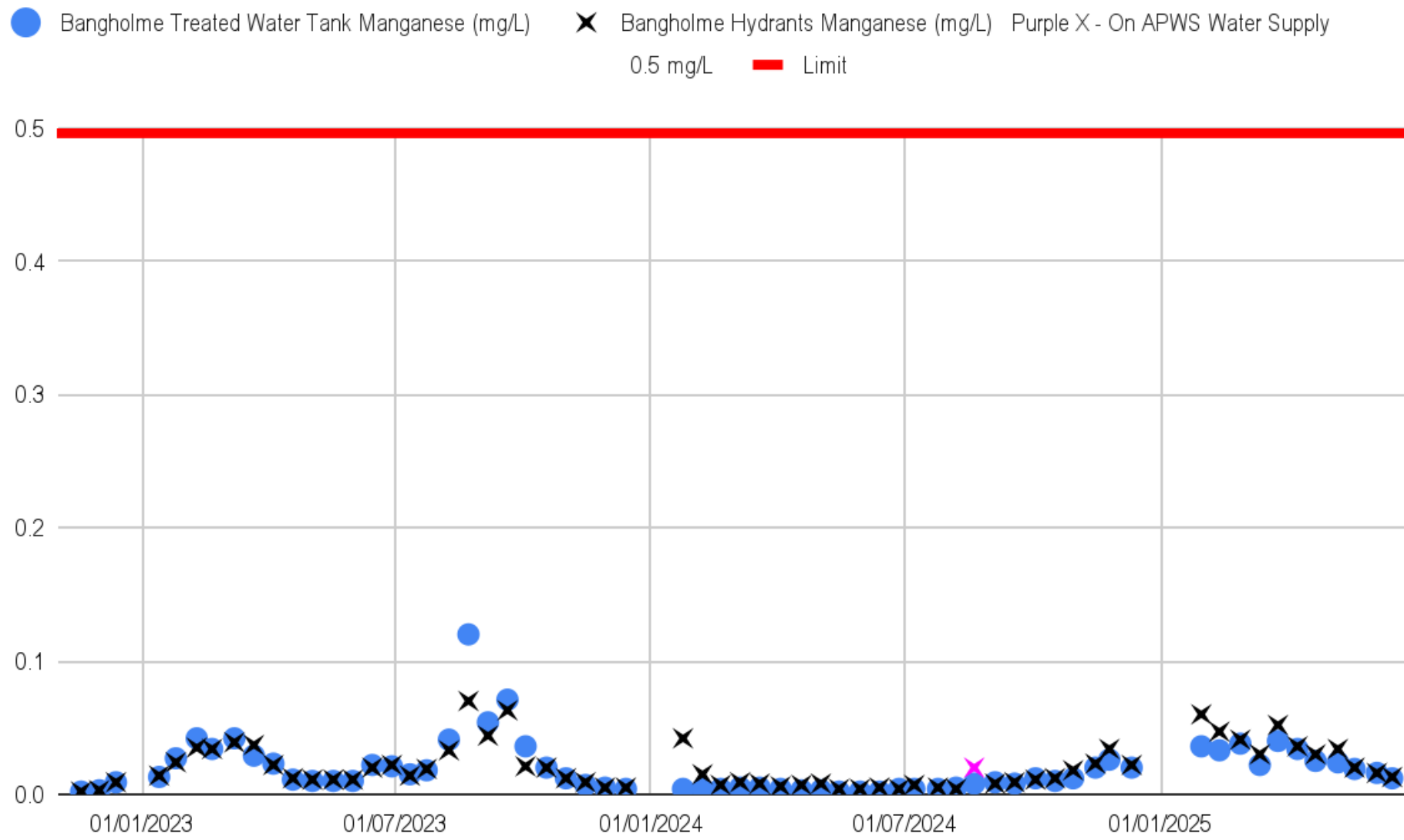
● Bangholme Treated Water Tank E.coli (CFU/100mL) ✕ Bangholme Hydrants E.coli (CFU/100mL) Purple X - On APWS Water Supply
1 CFU/100mL — Limit



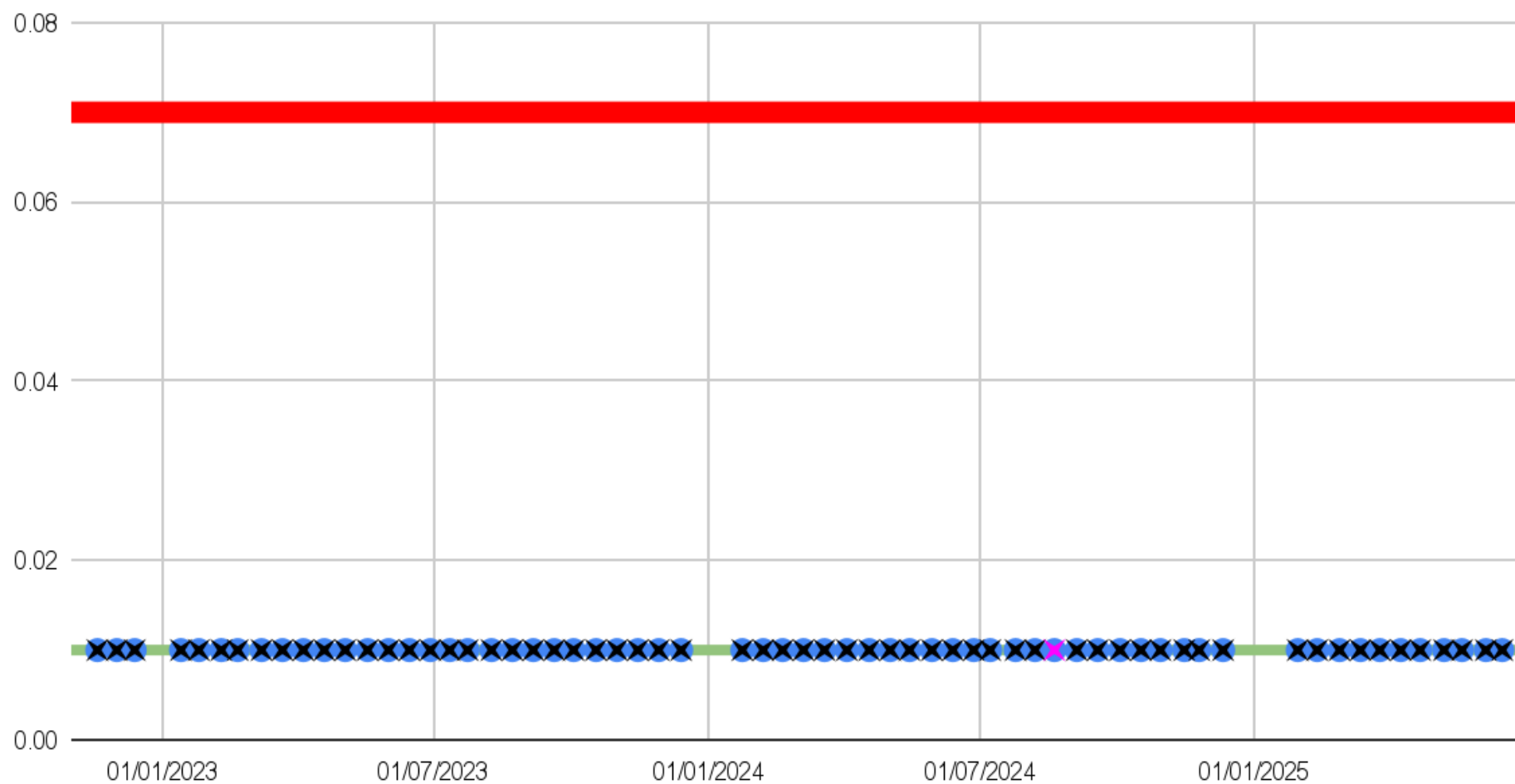


● Bangholme Treated Water Tank Total Legionella (CFU/mL) ✕ Bangholme Hydrants Total Legionella (CFU/mL) Purple X - On APWS Water Supply
10 CFU/mL Limit Non Detect Results

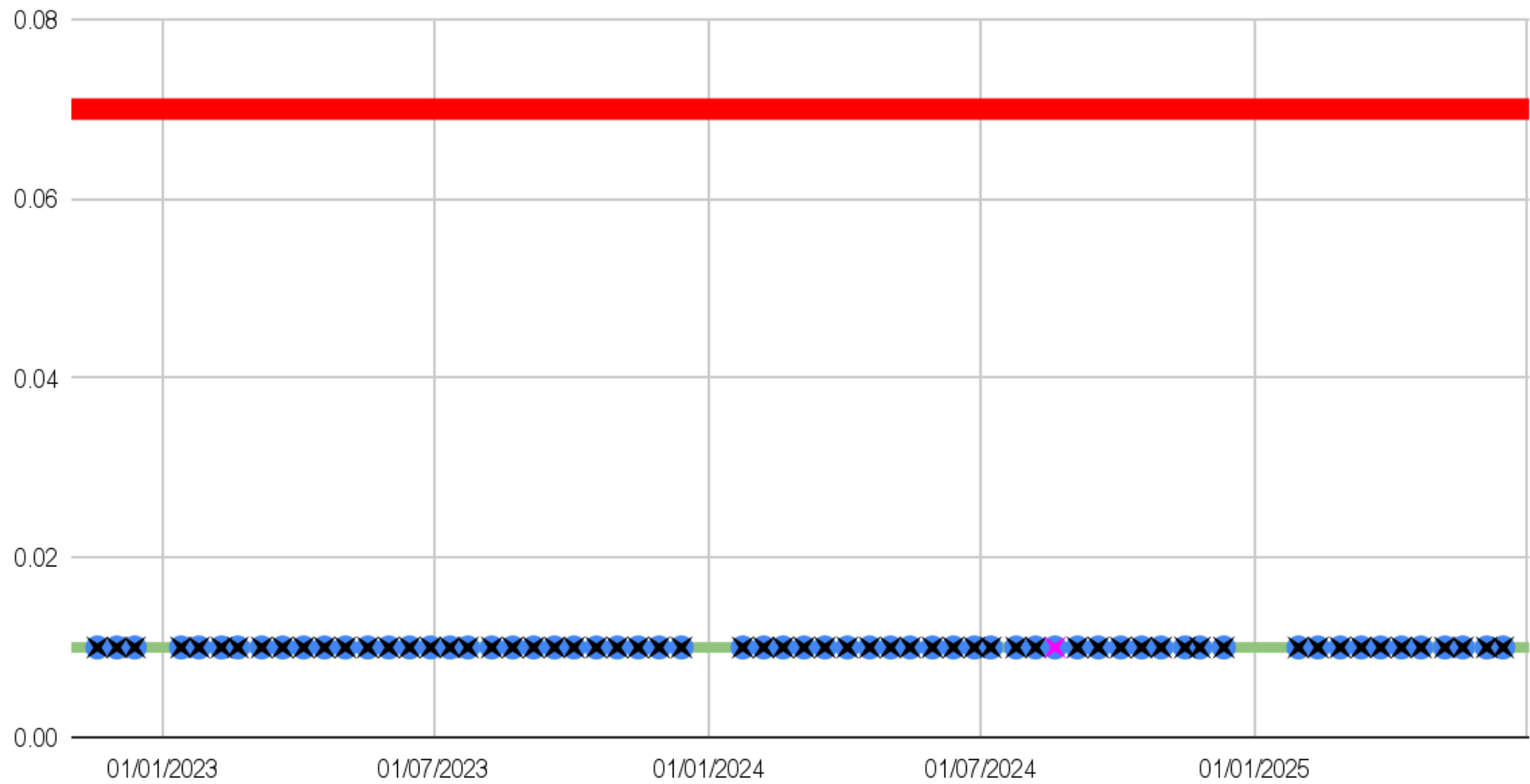


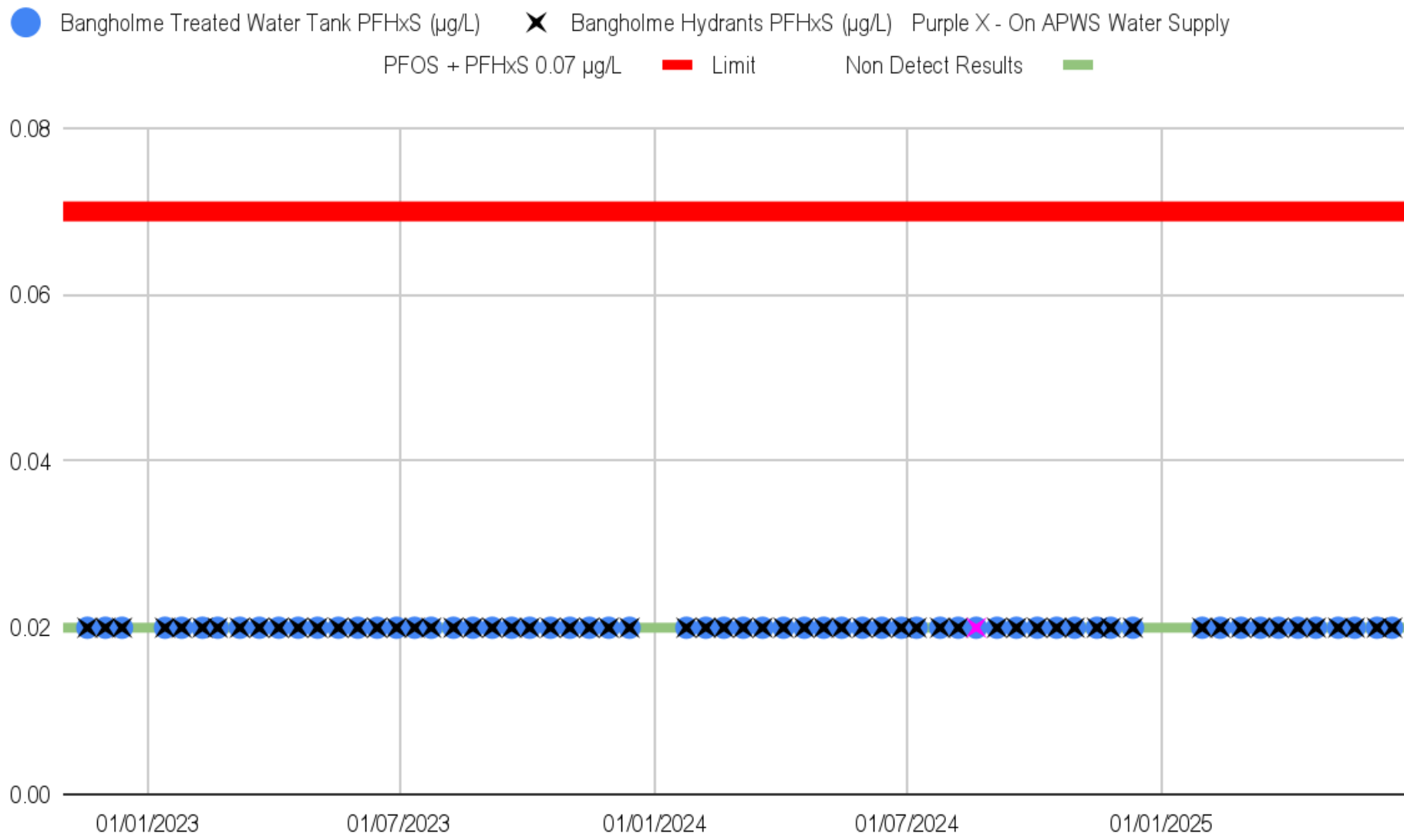


● Bangholme Treated Water Tank PFOA (µg/L) ✕ Bangholme Hydrants PFOA (µg/L) Purple X - On APWS Water Supply
PFOA + PFOS 0.07 µg/L Limit Non Detect Results

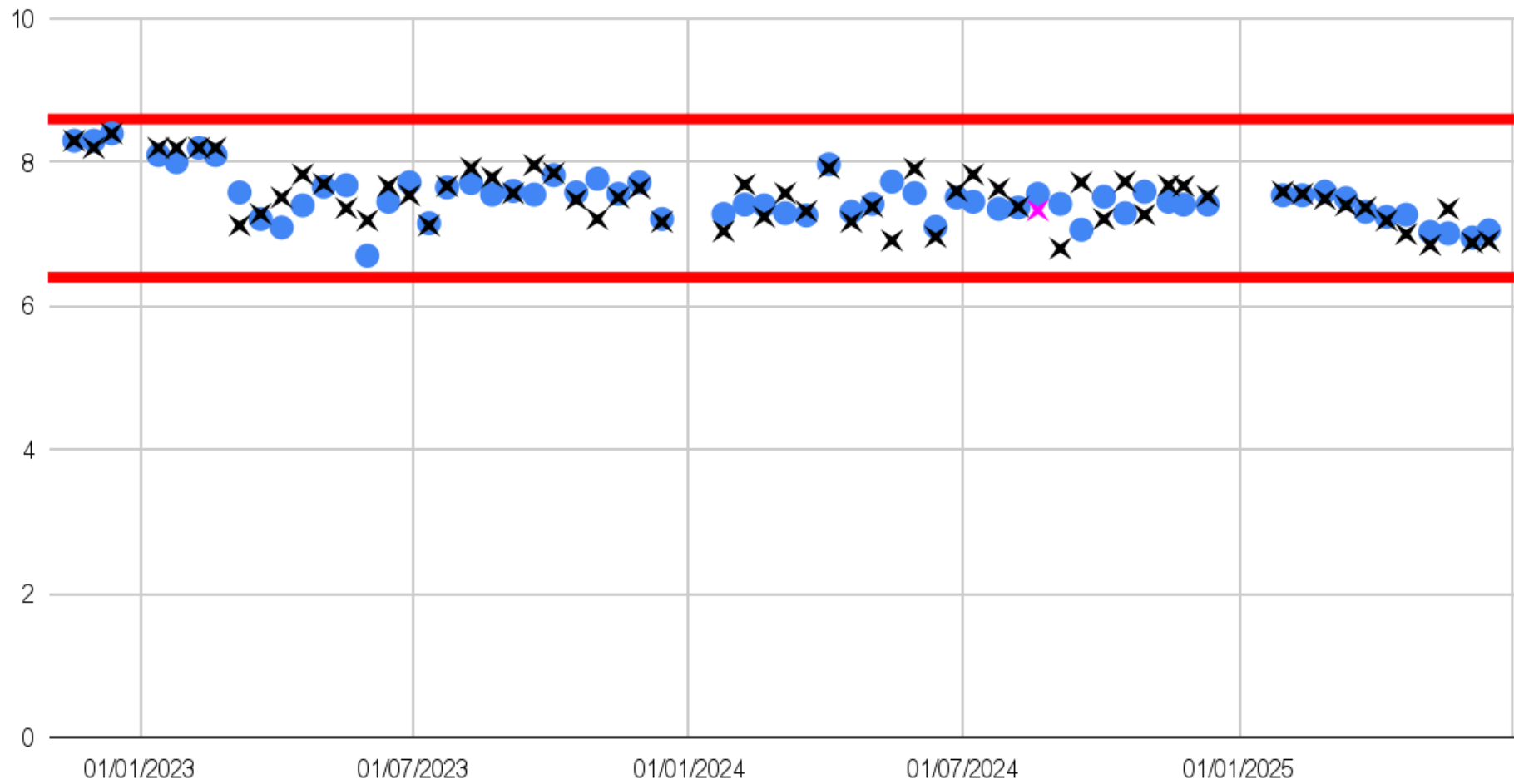


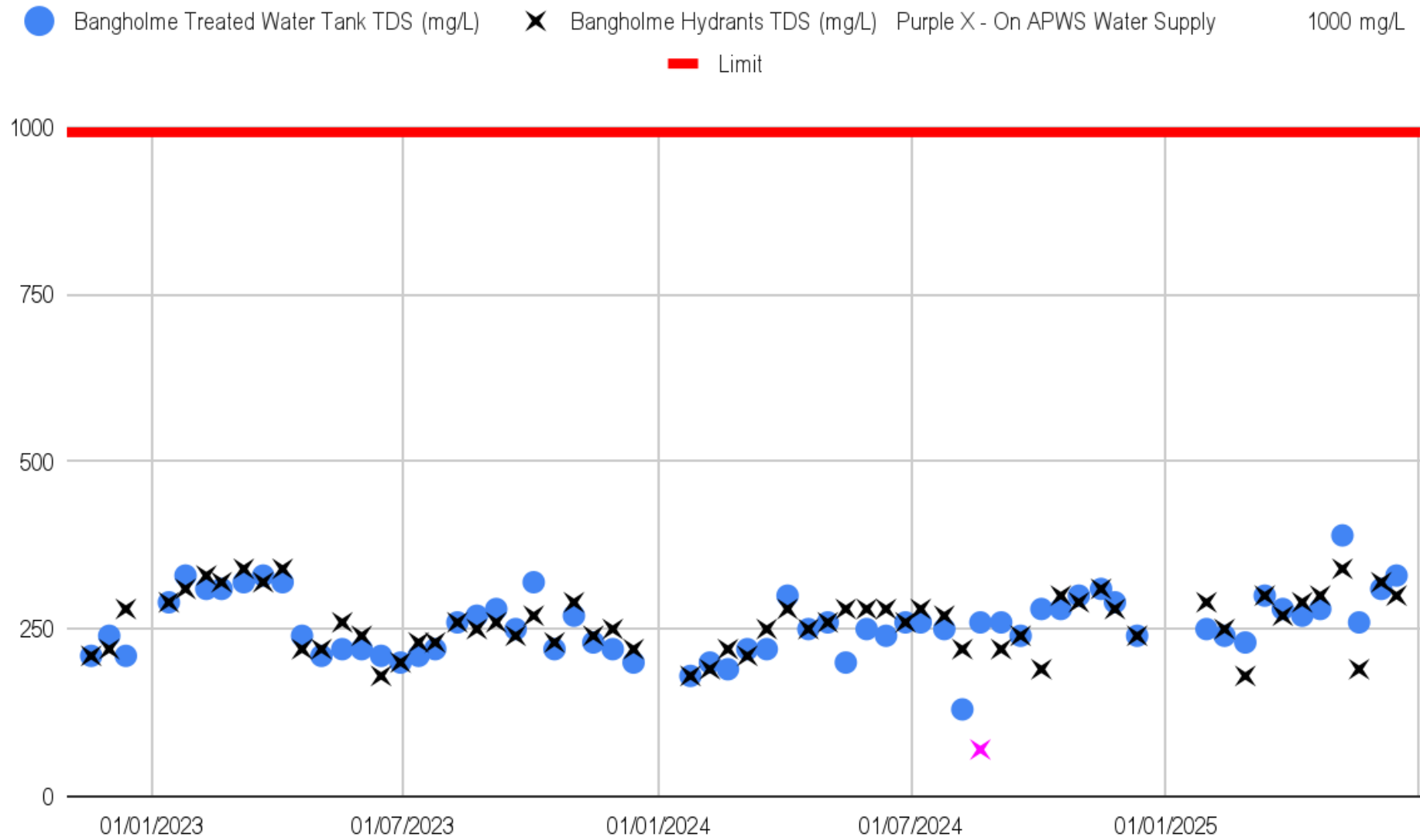
● Bangholme Treated Water Tank PFOS (µg/L) ✕ Bangholme Hydrants PFOS (µg/L) Purple X - On APWS Water Supply
PFOA + PFOS 0.07 µg/L Limit Non Detect Results



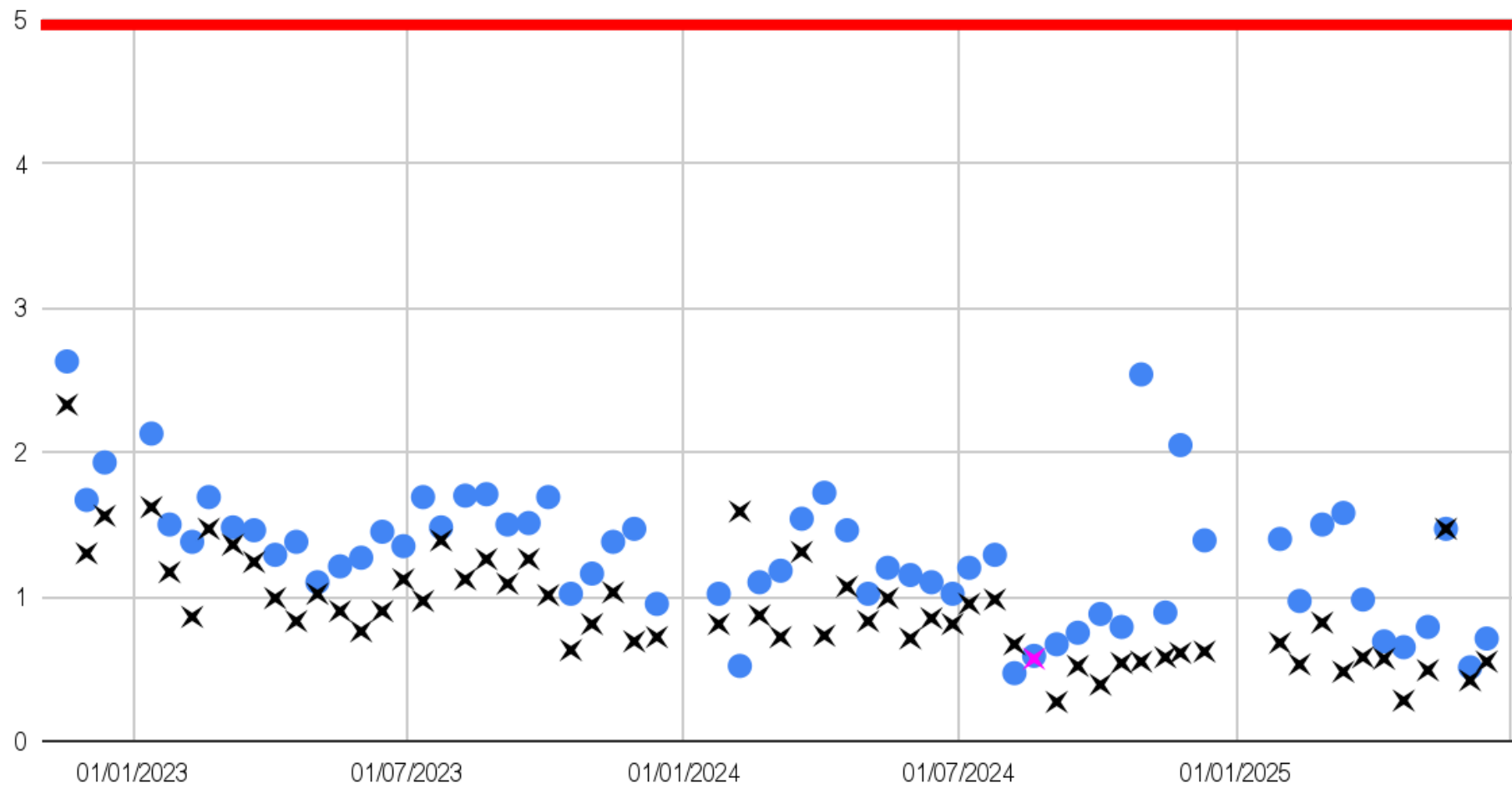


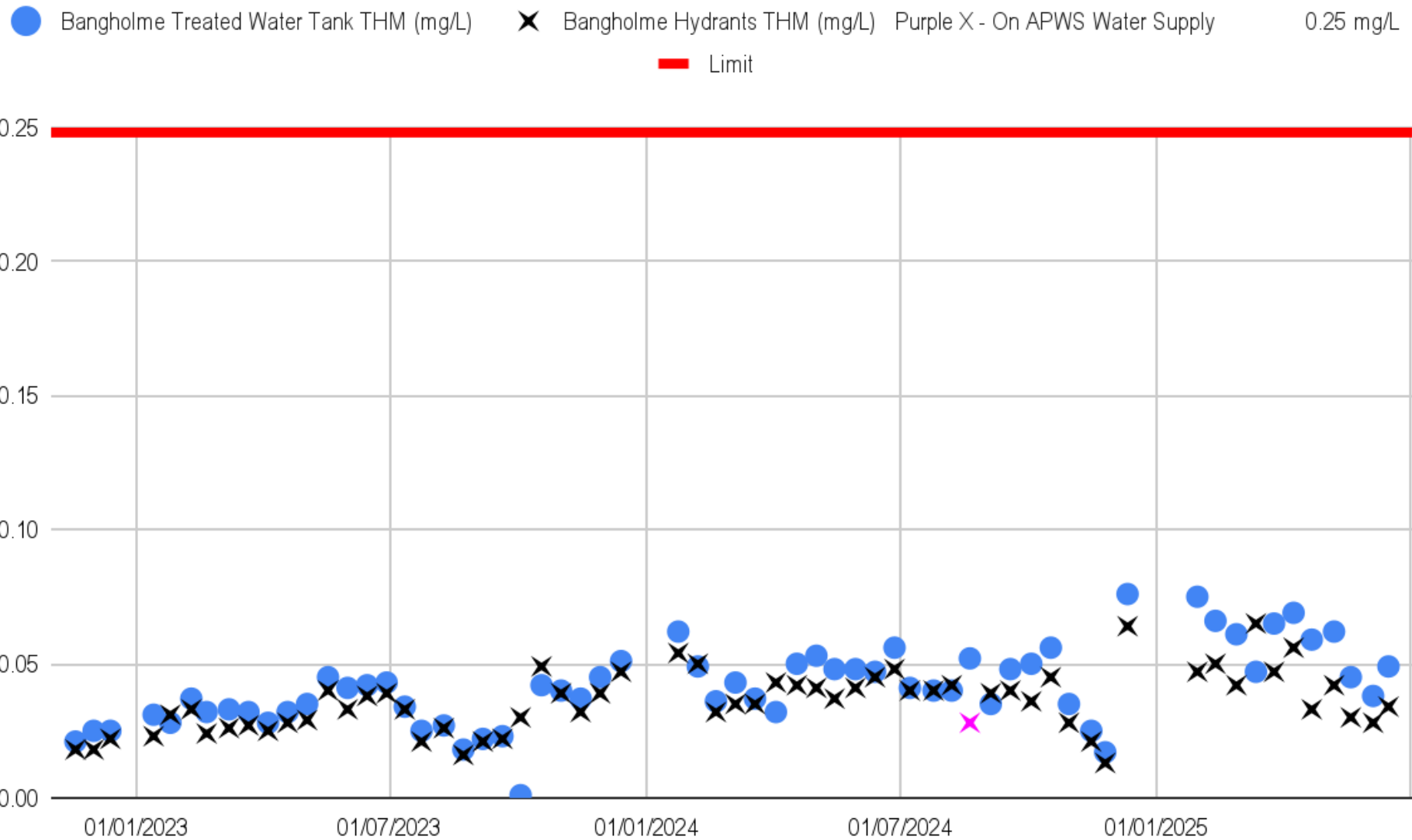
● Bangholme Treated Water Tank pH (-) ✕ Bangholme Hydrants pH (-) Purple X - On APWS Water Supply 6.5 Limit
8.5 Limit



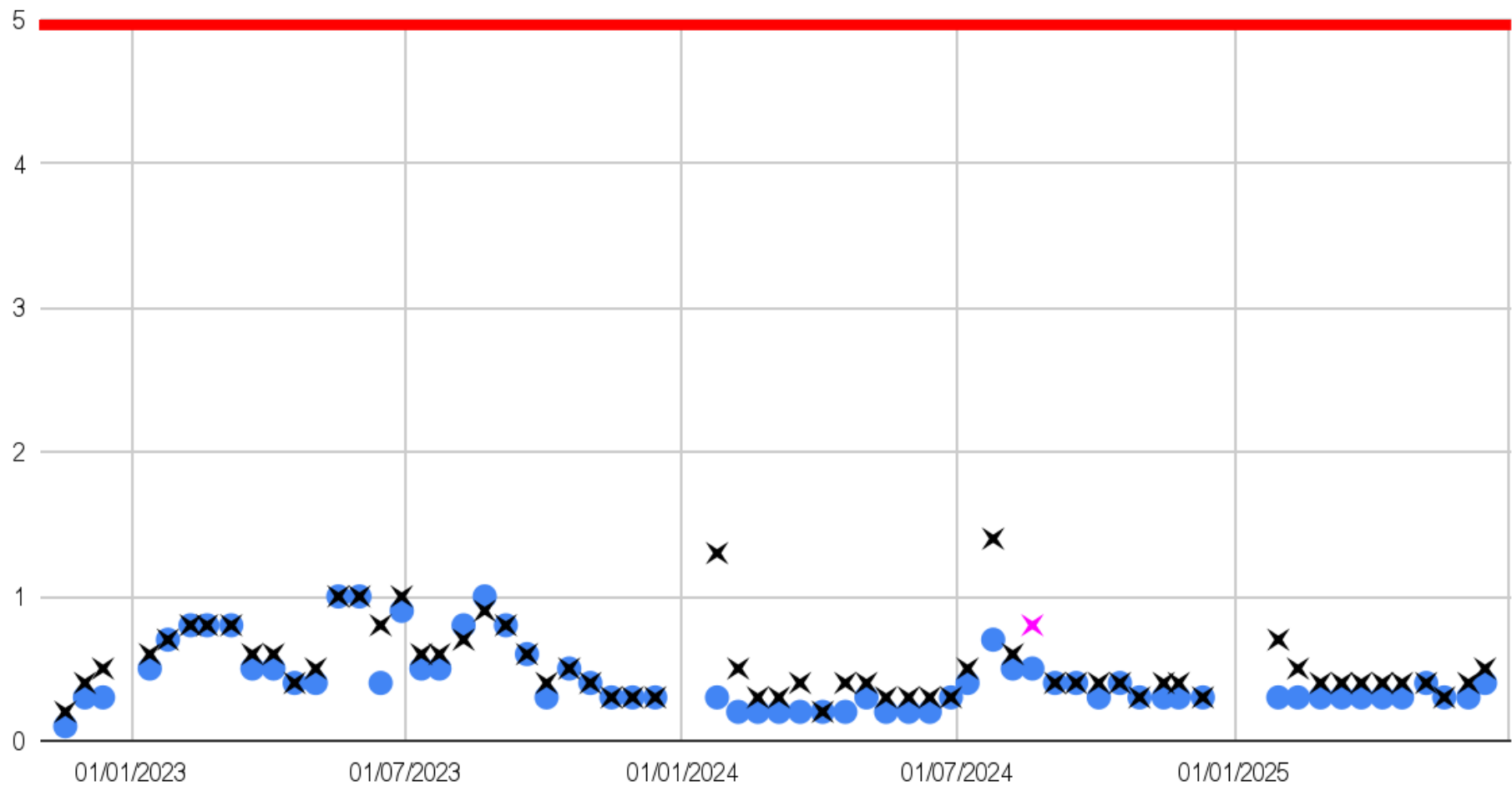


● Bangholme Treated Water Tank Total Chlorine (mg/L) ✕ Bangholme Hydrants Total Chlorine (mg/L) Purple X - On APWS Water Supply
5 mg/L — Limit

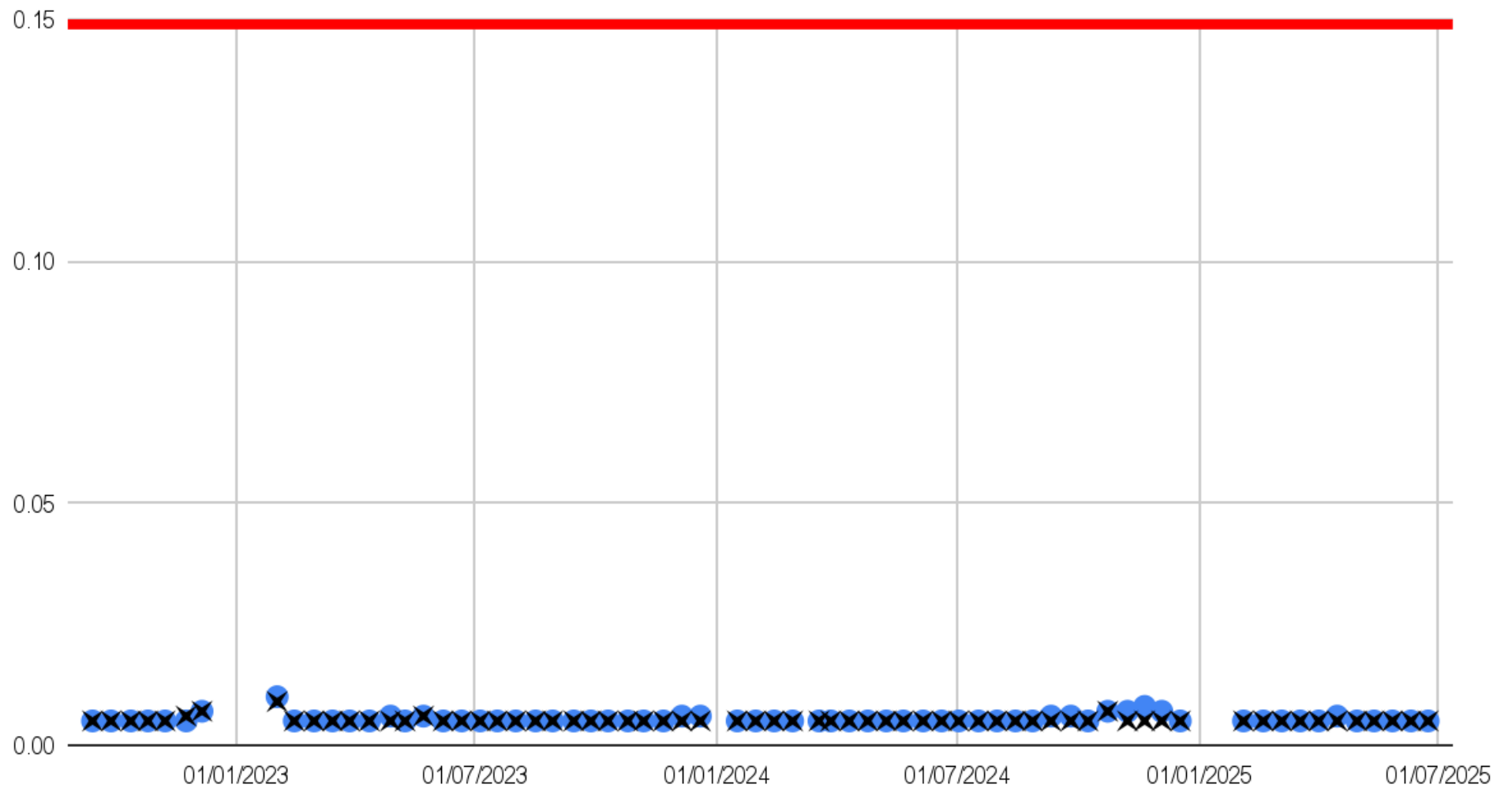


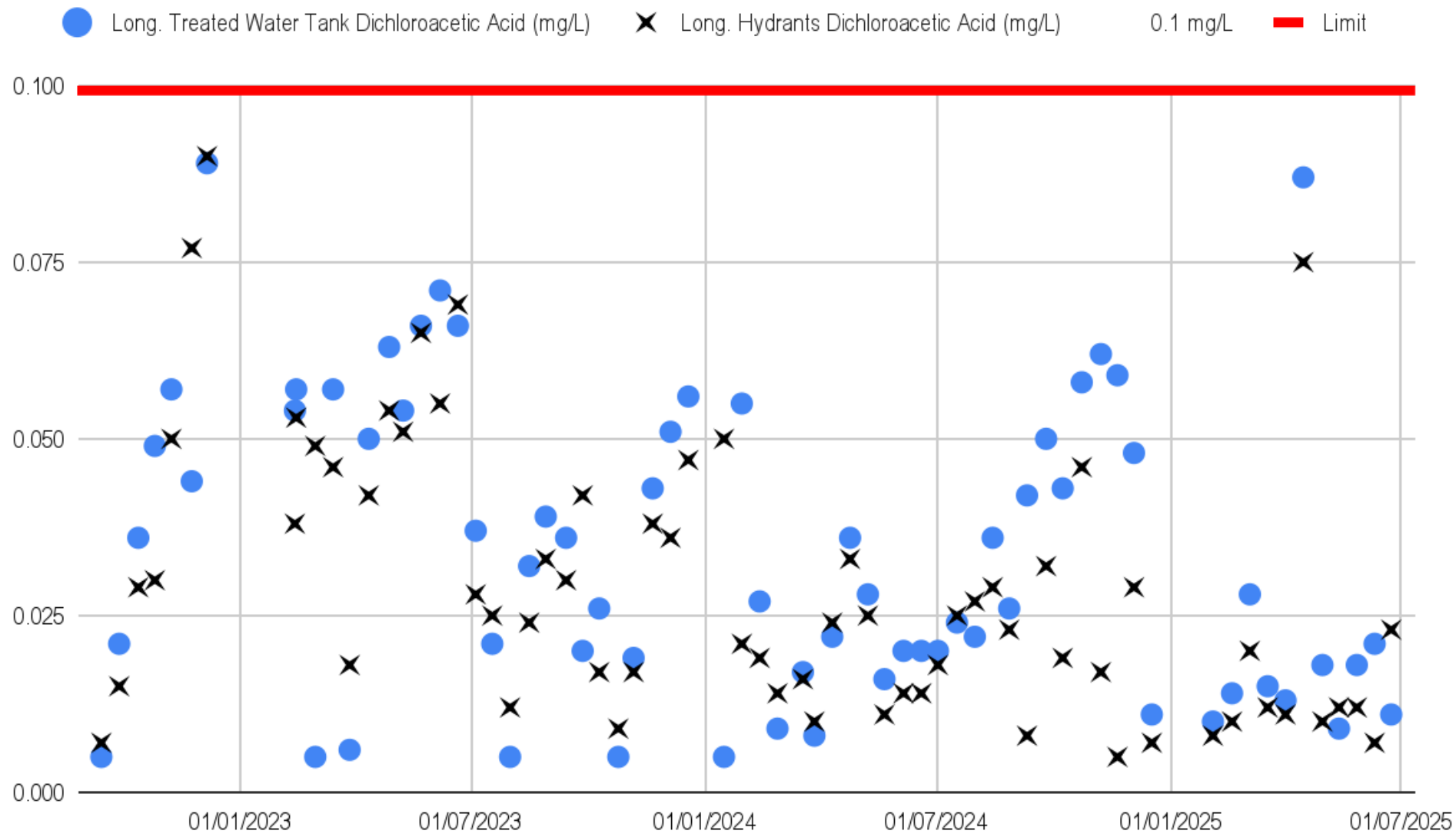


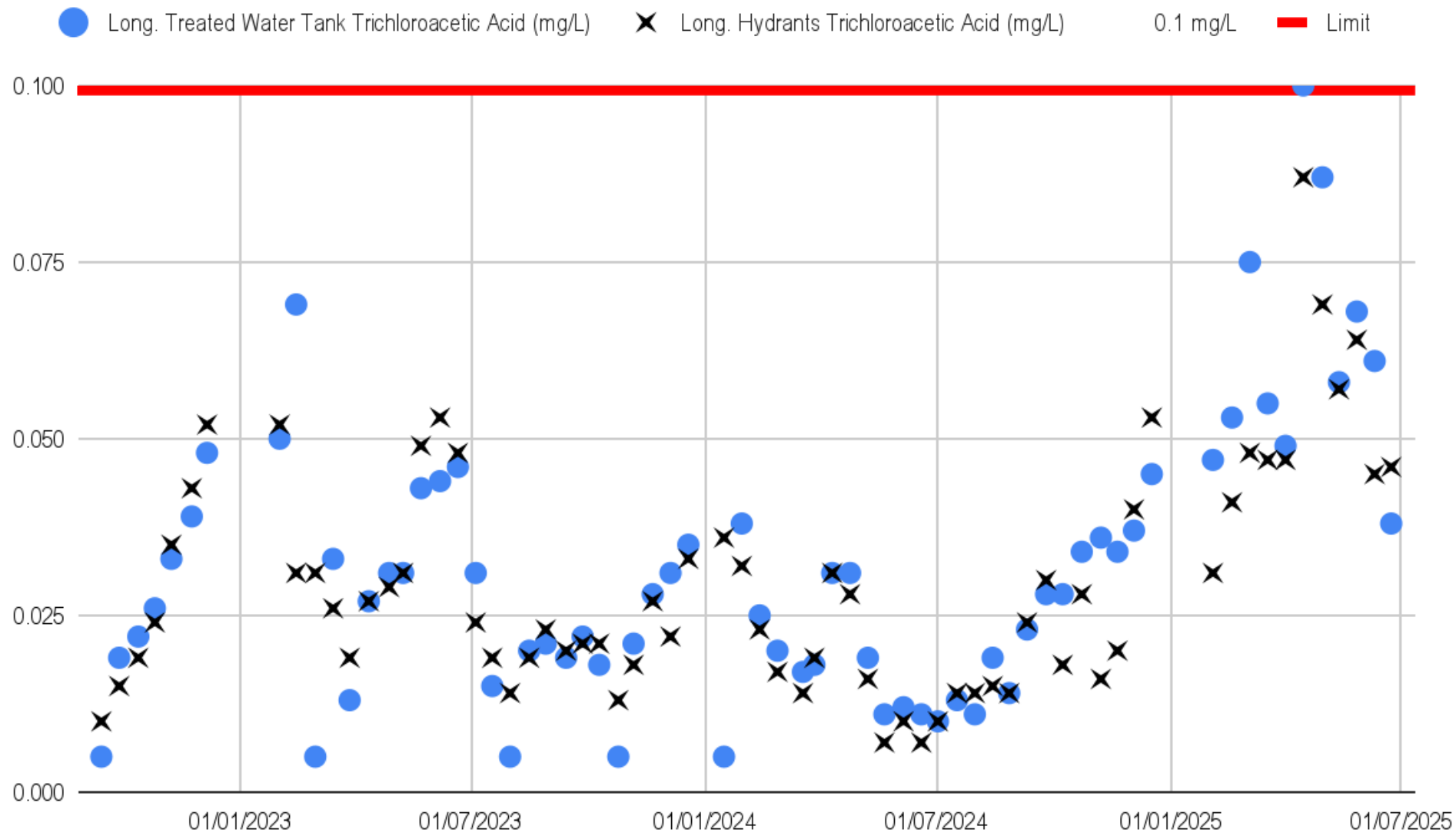
● Bangholme Treated Water Tank Turbidity (NTU) ✕ Bangholme Hydrants Turbidity (NTU) Purple X - On APWS Water Supply
5 NTU — Limit

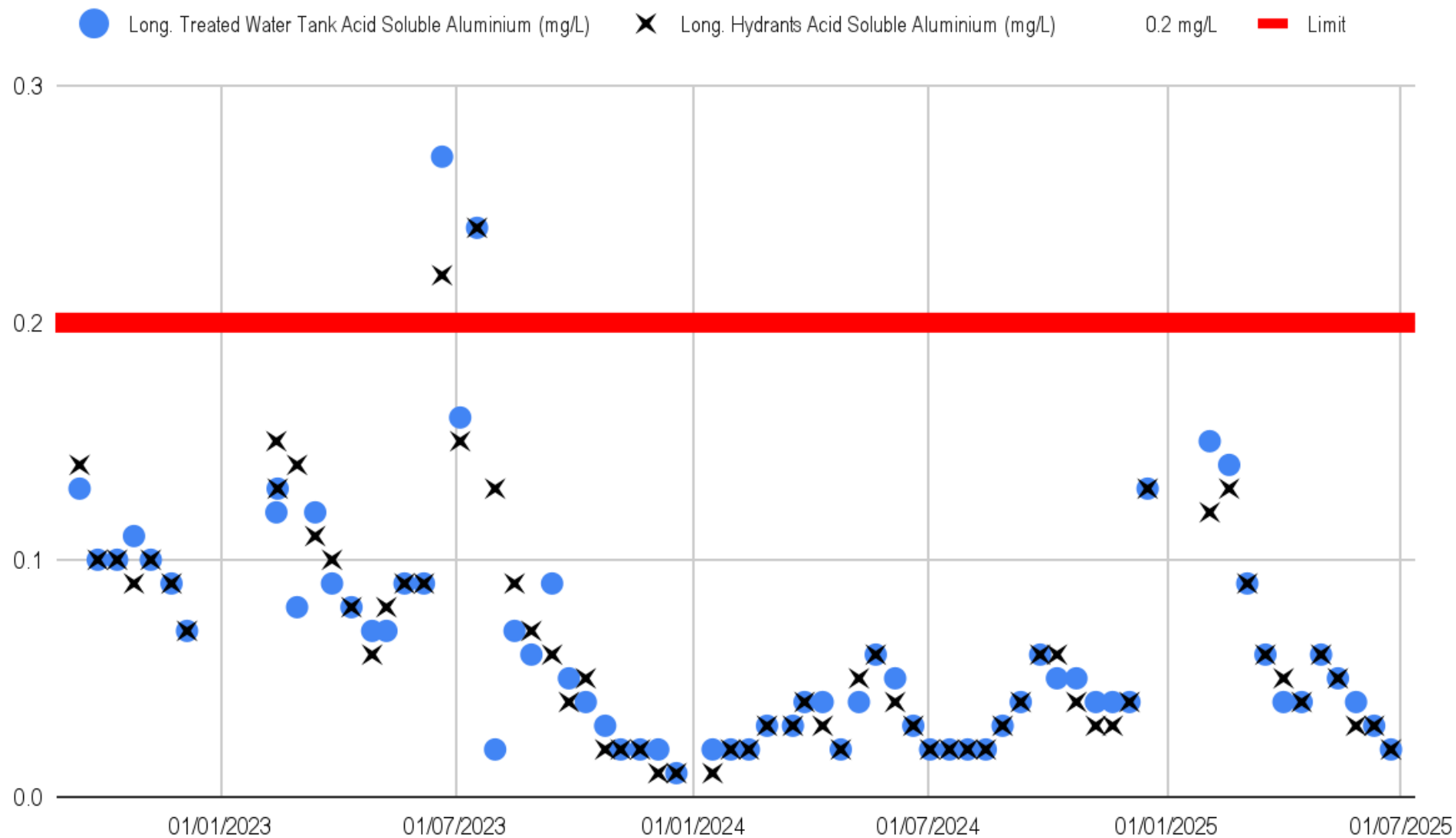


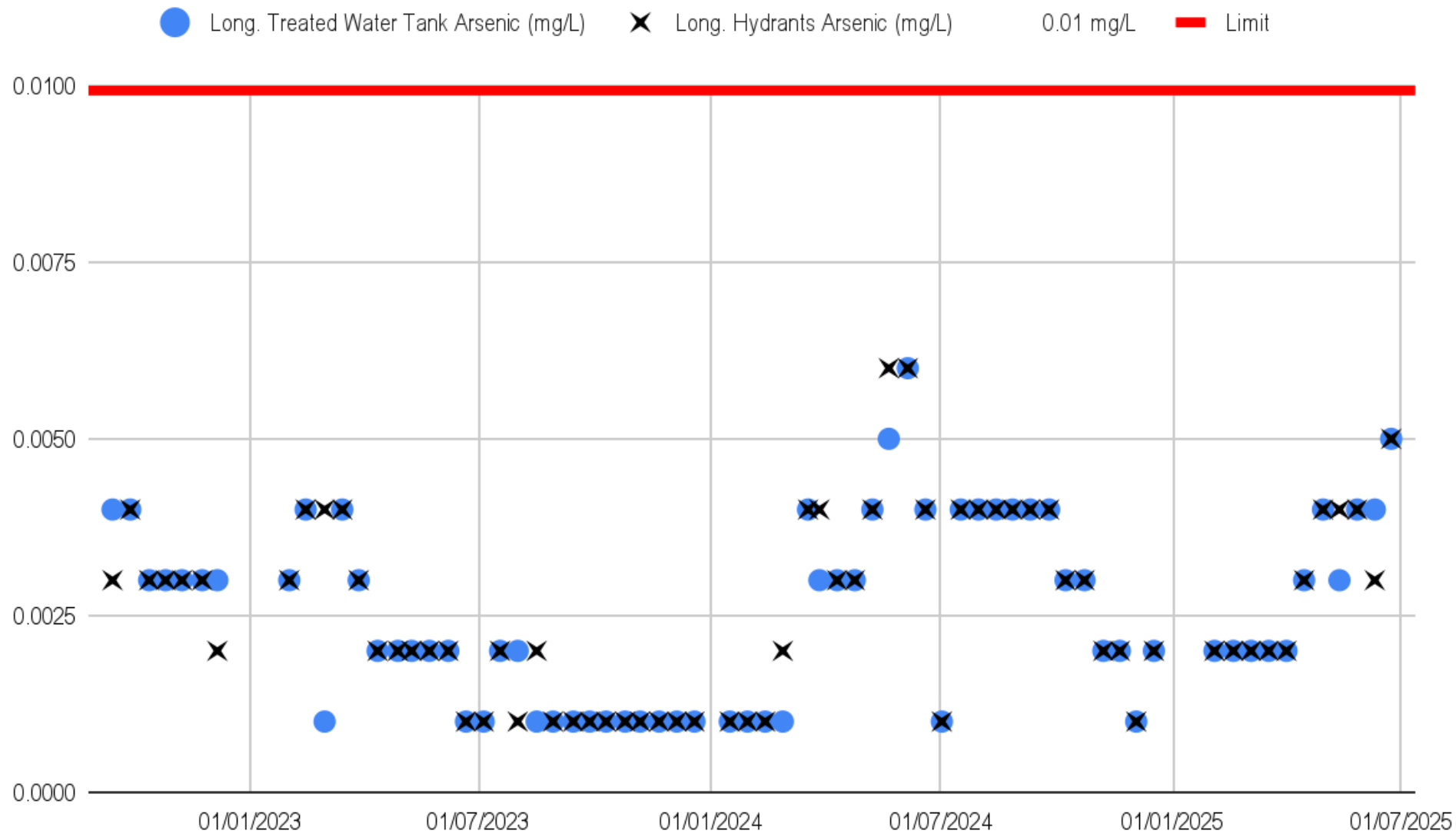
● Long. Treated Water Tank Chloroacetic Acid (mg/L) ✕ Long. Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L — Limit

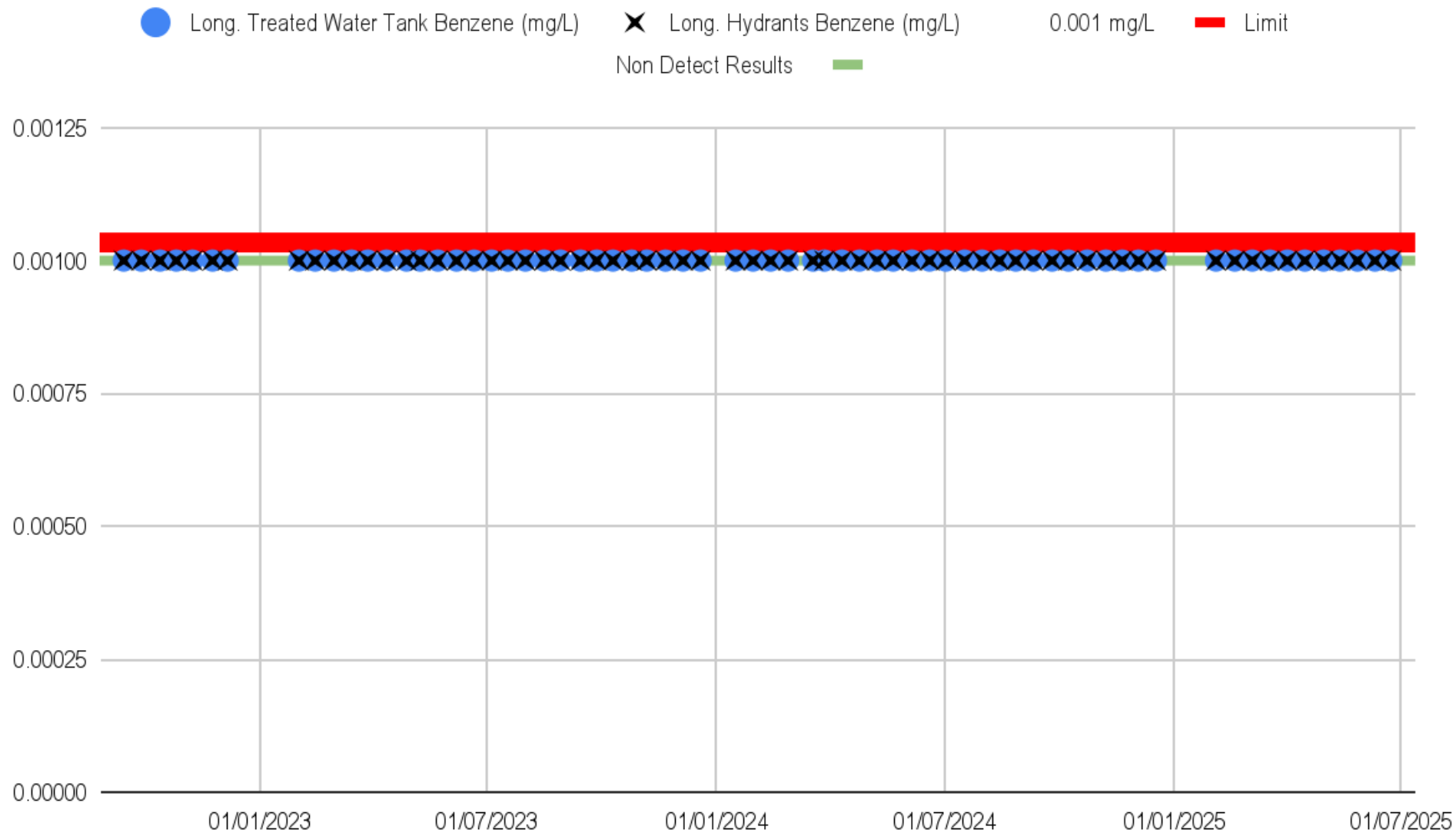


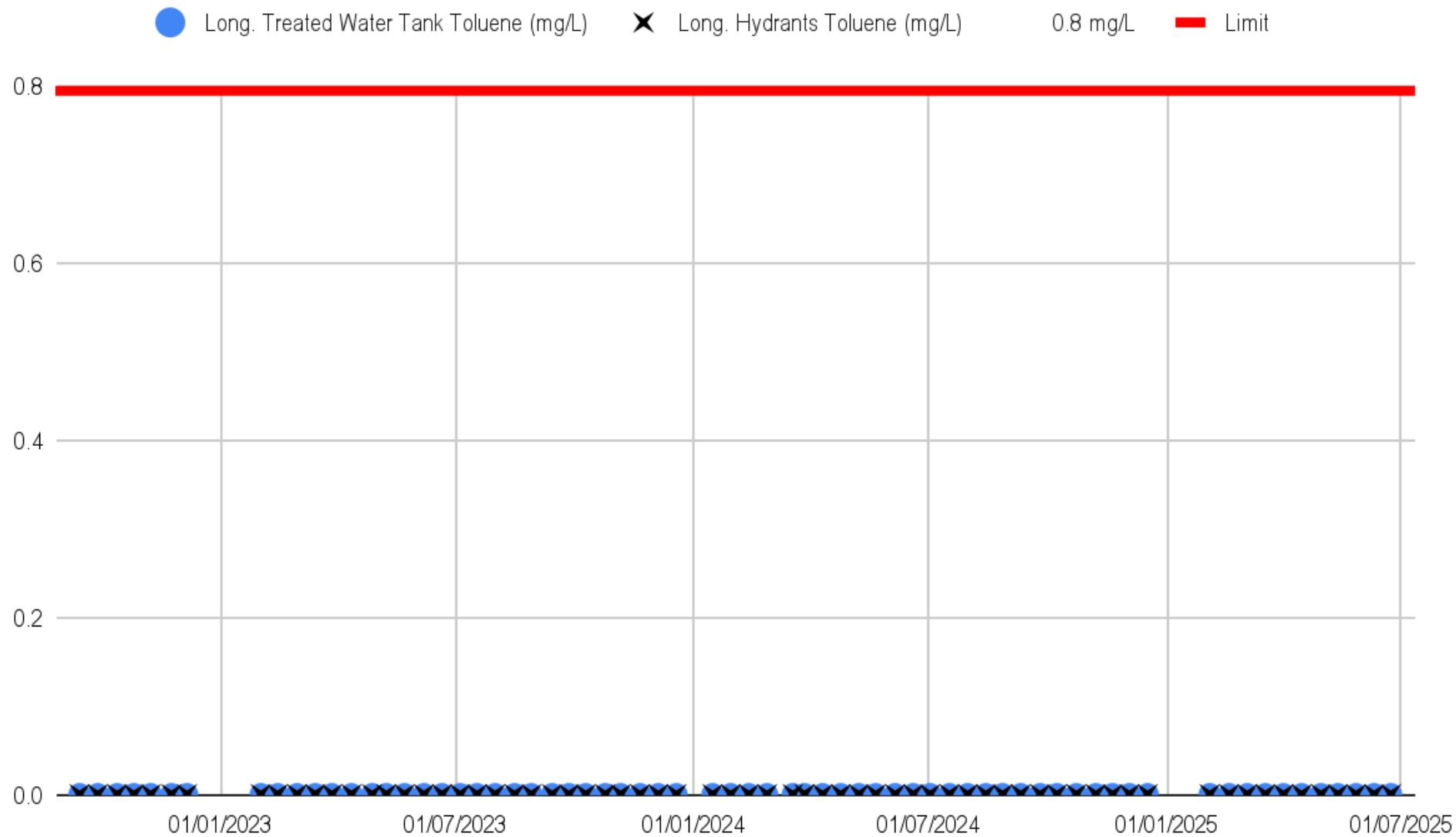


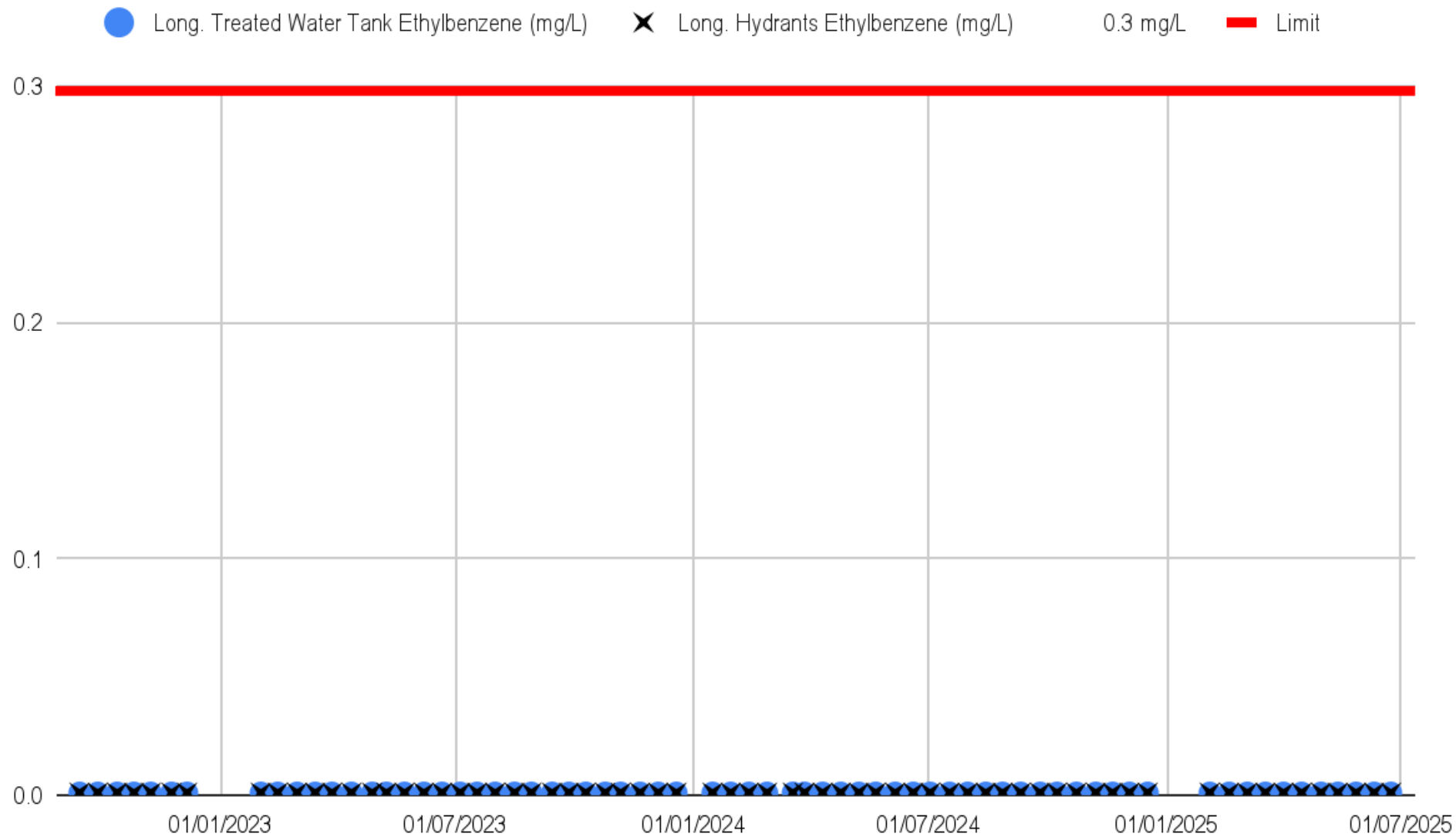


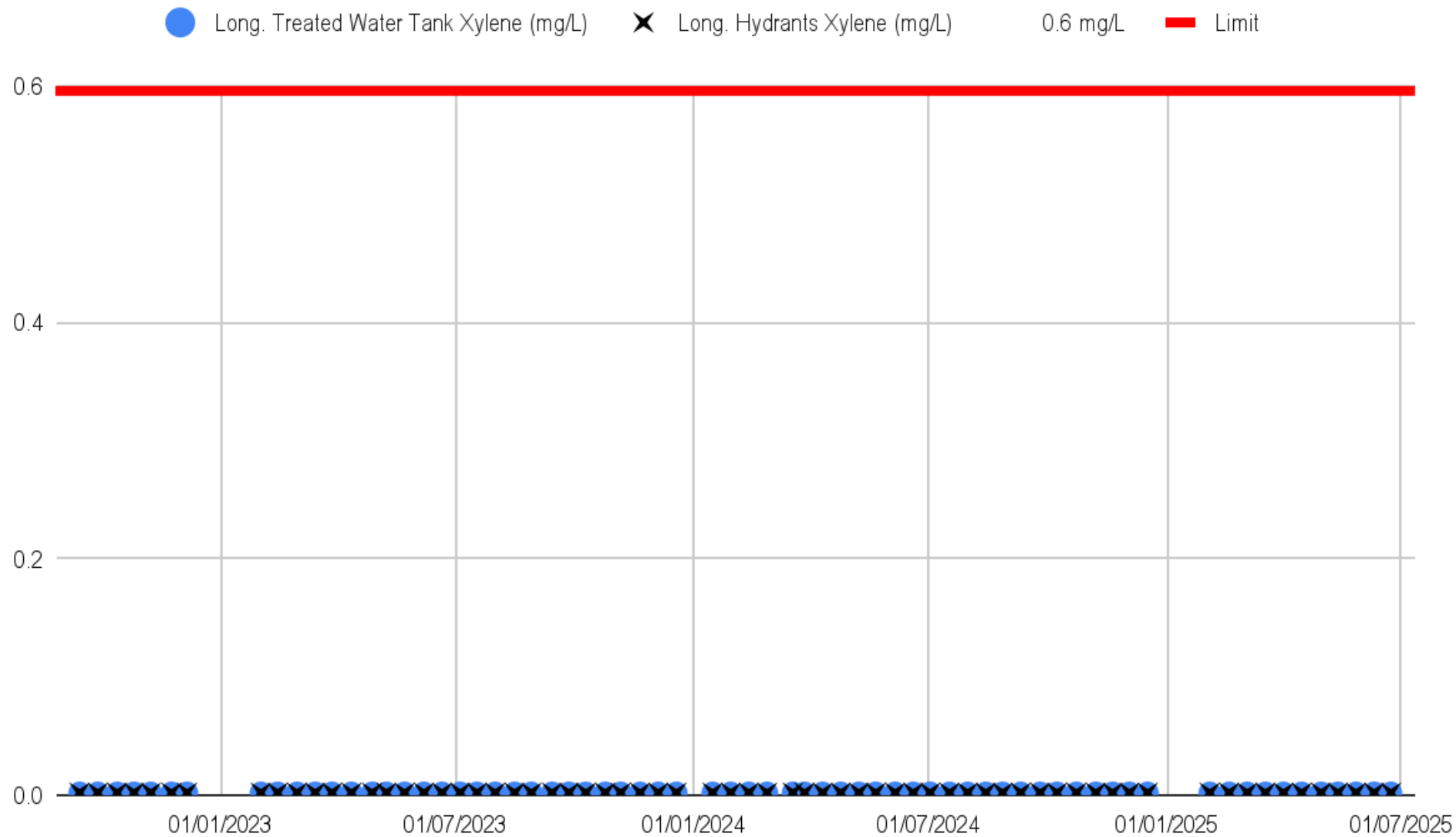




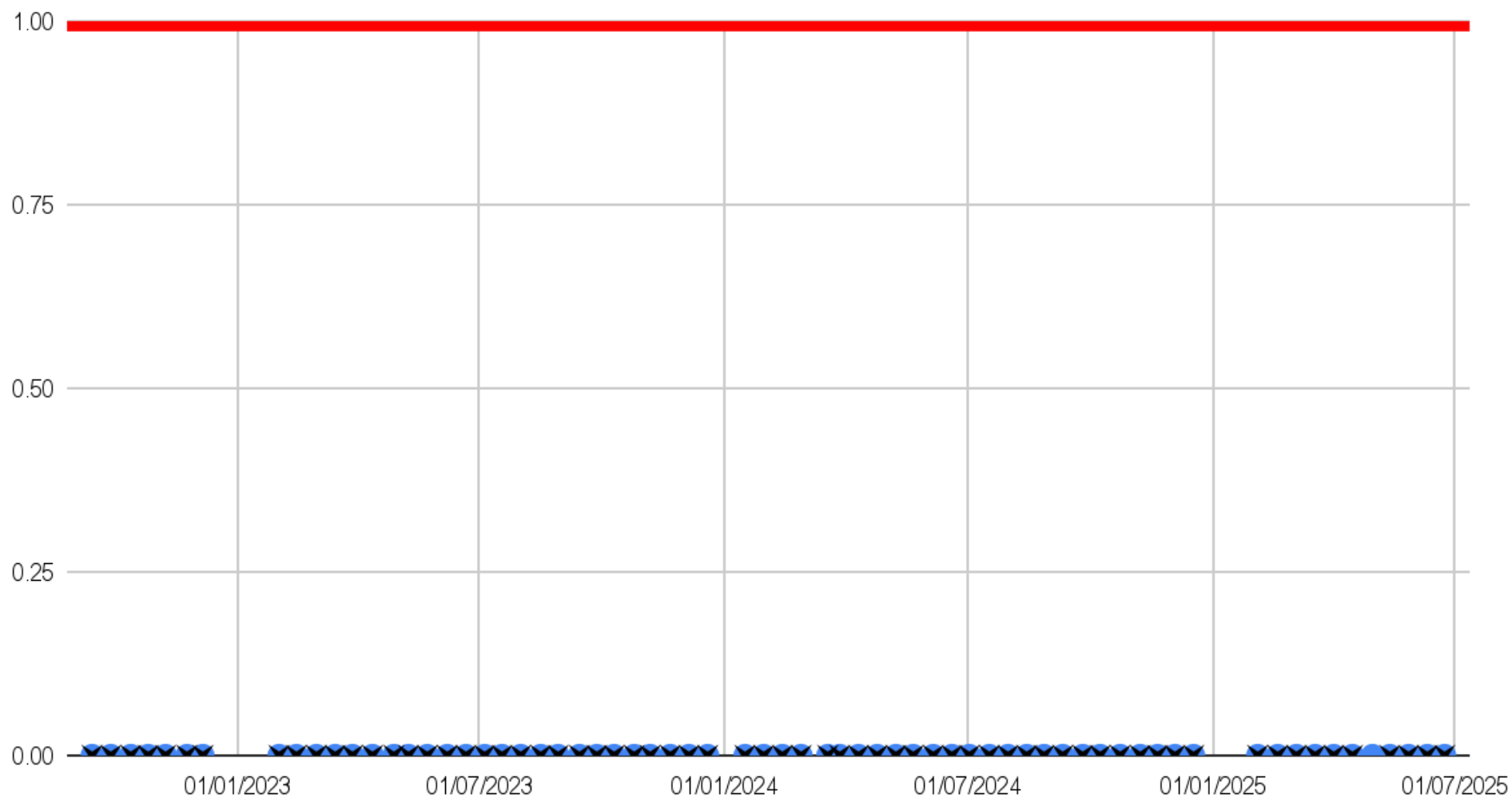


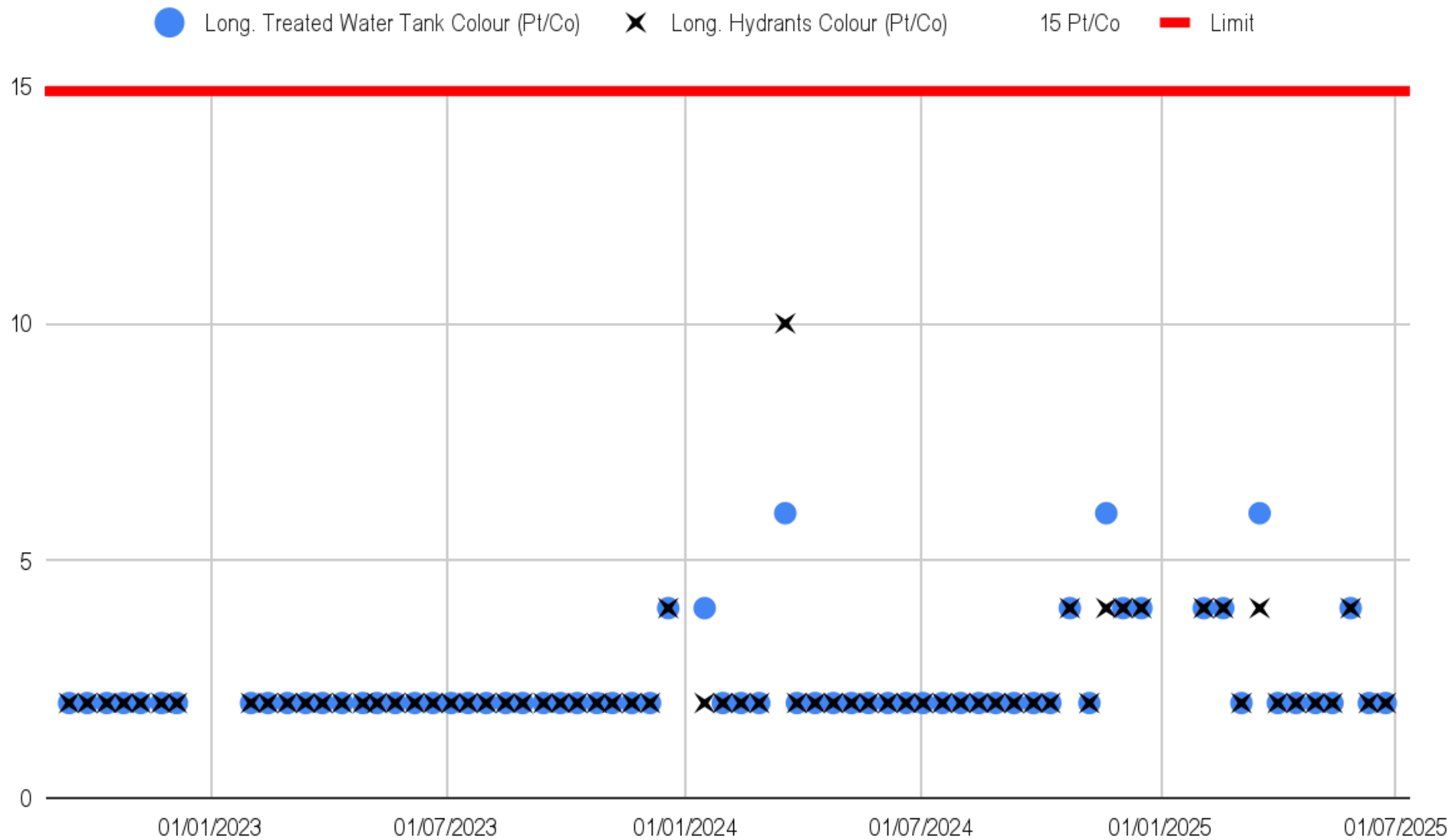


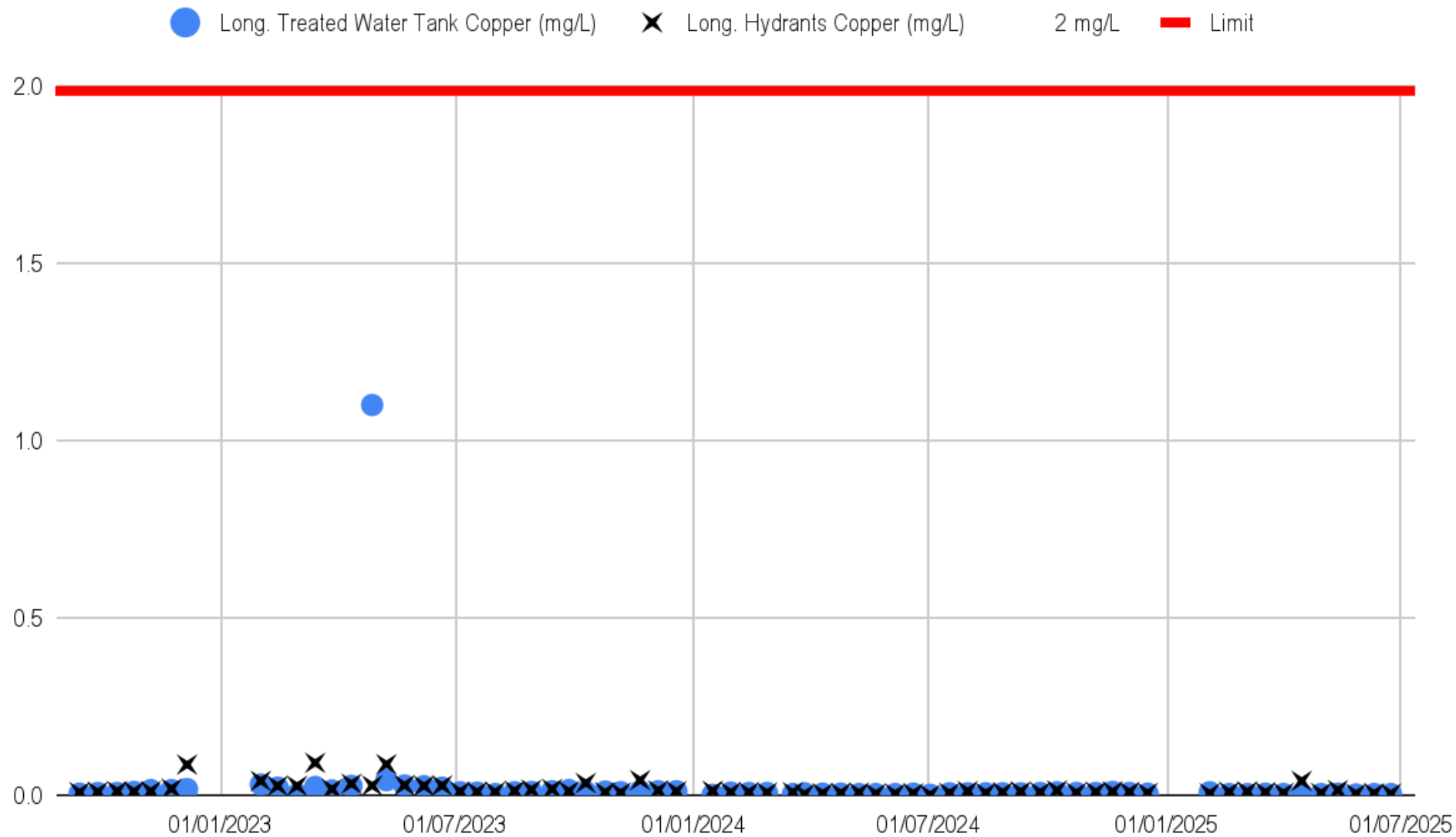


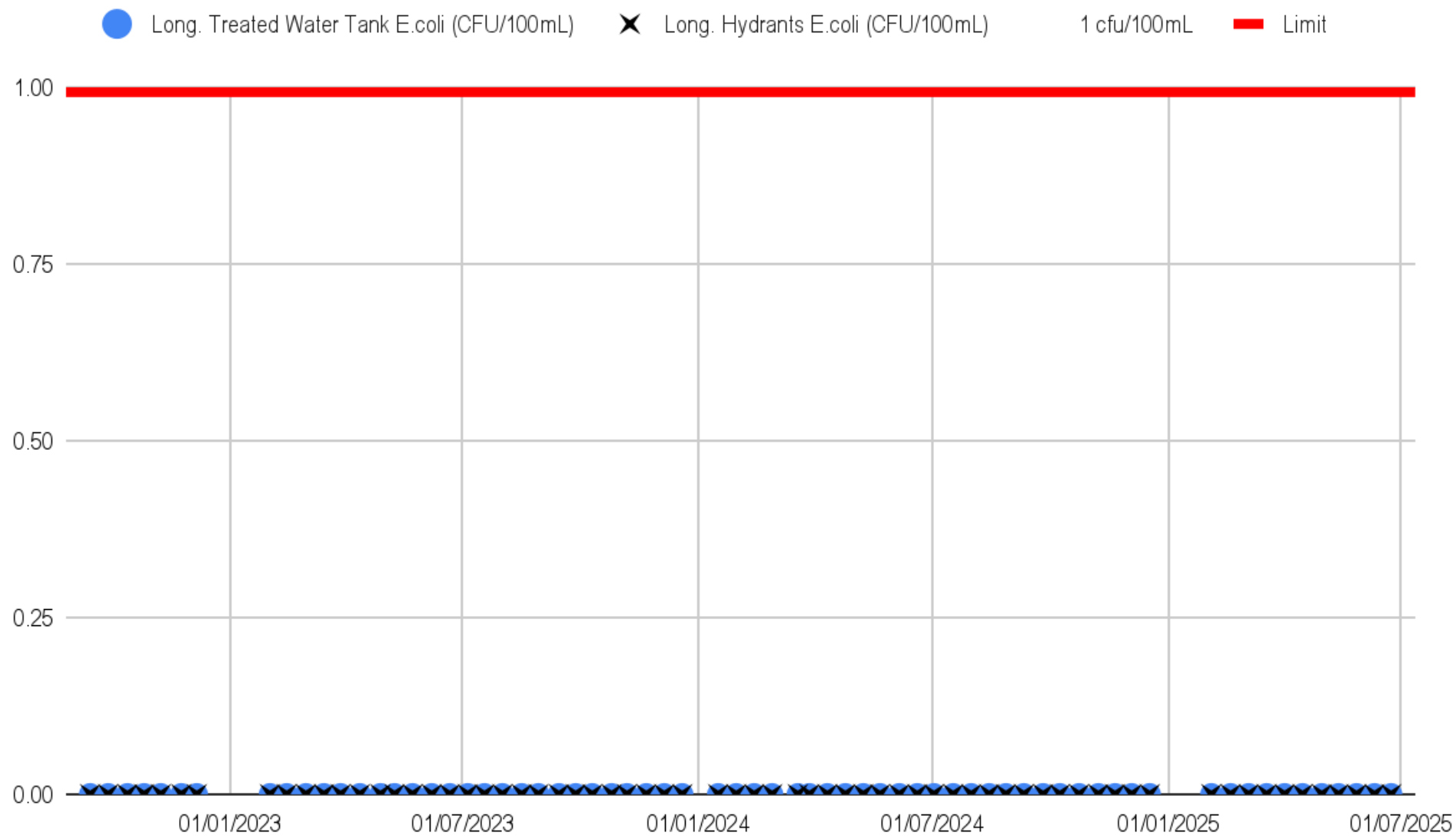


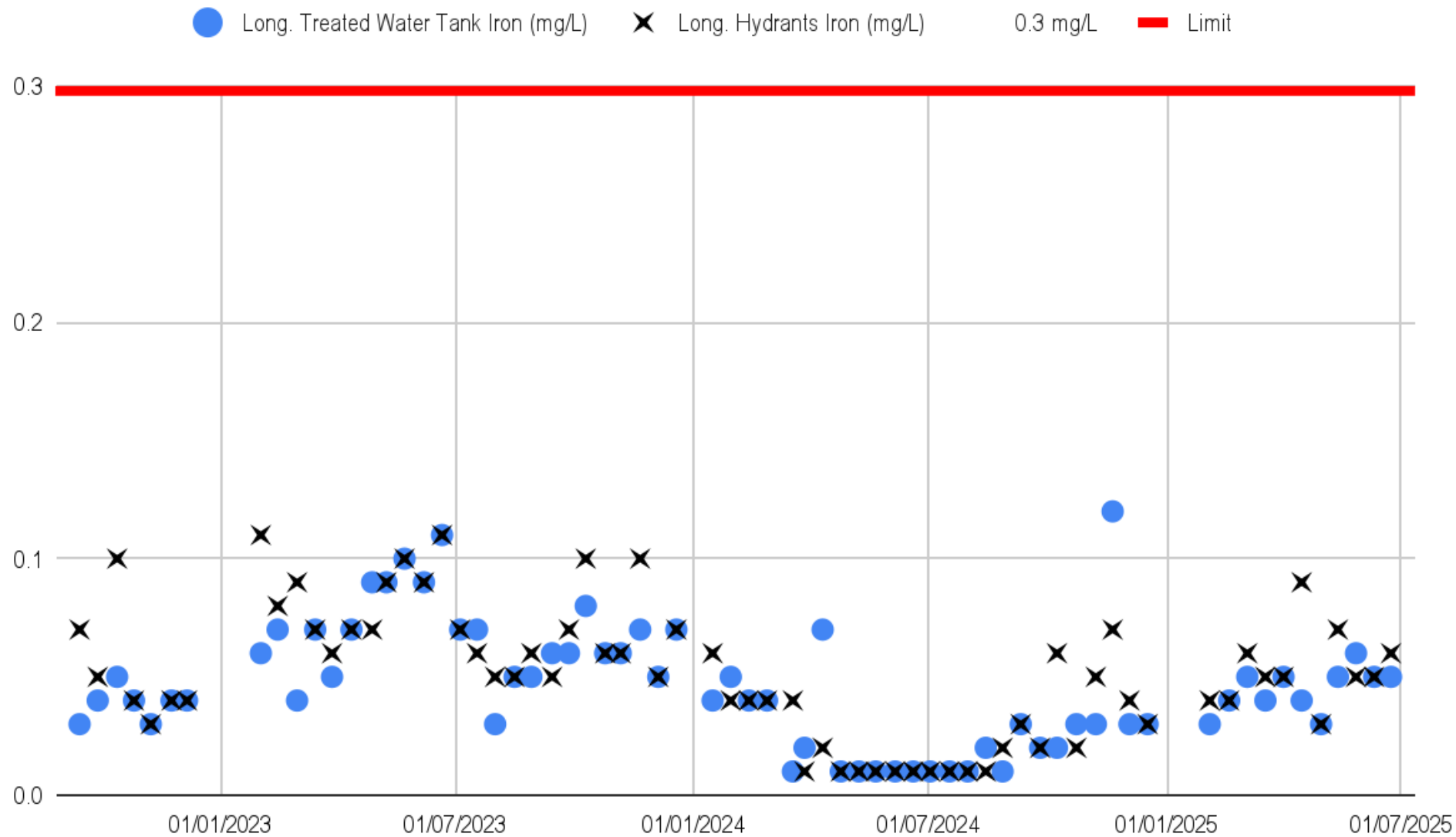
● Long. Treated Water Tank Coliforms (CFU/100mL) ✕ Long. Hydrants Coliforms (CFU/100mL) 1 cfu/100mL — Limit



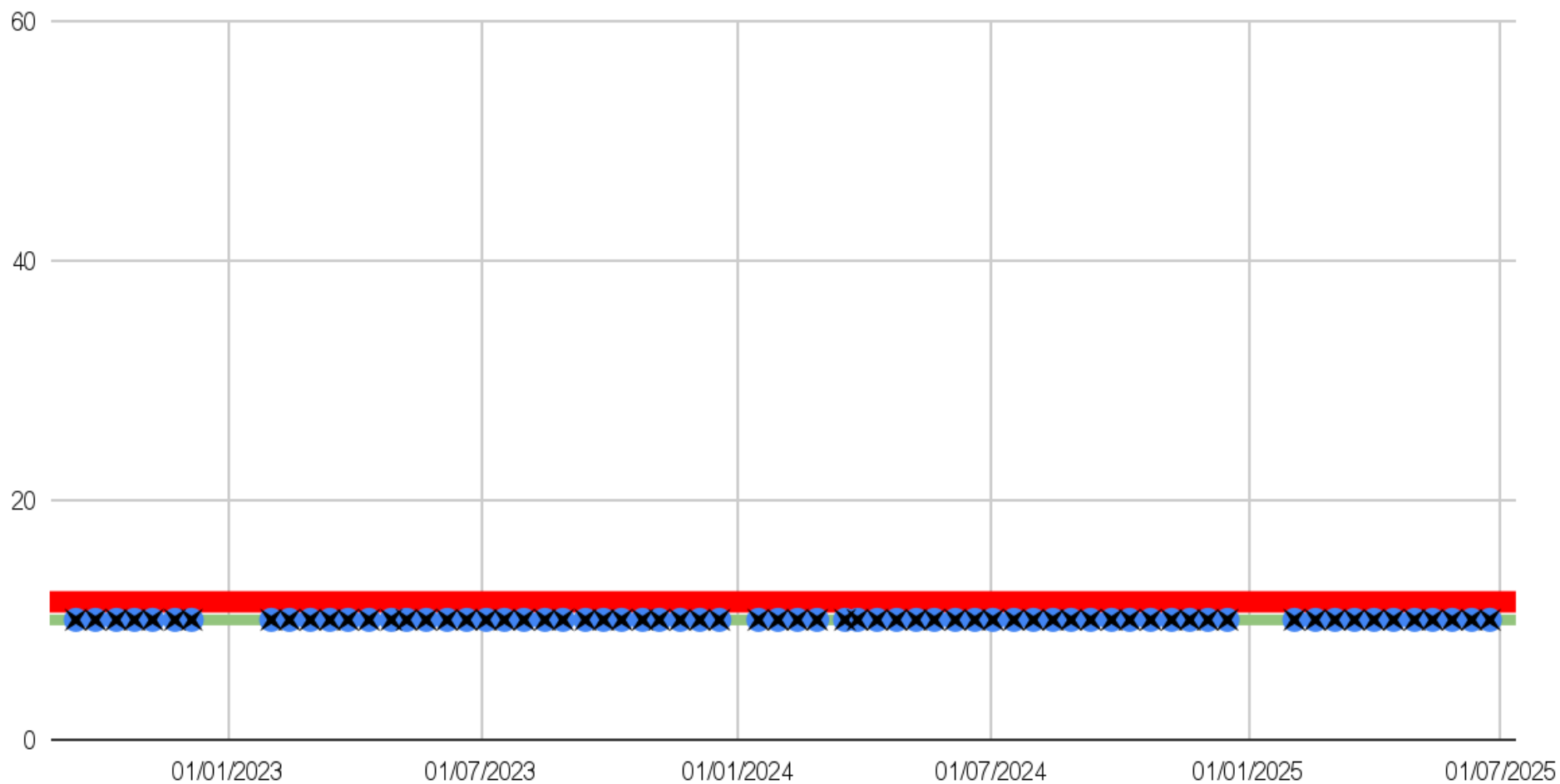


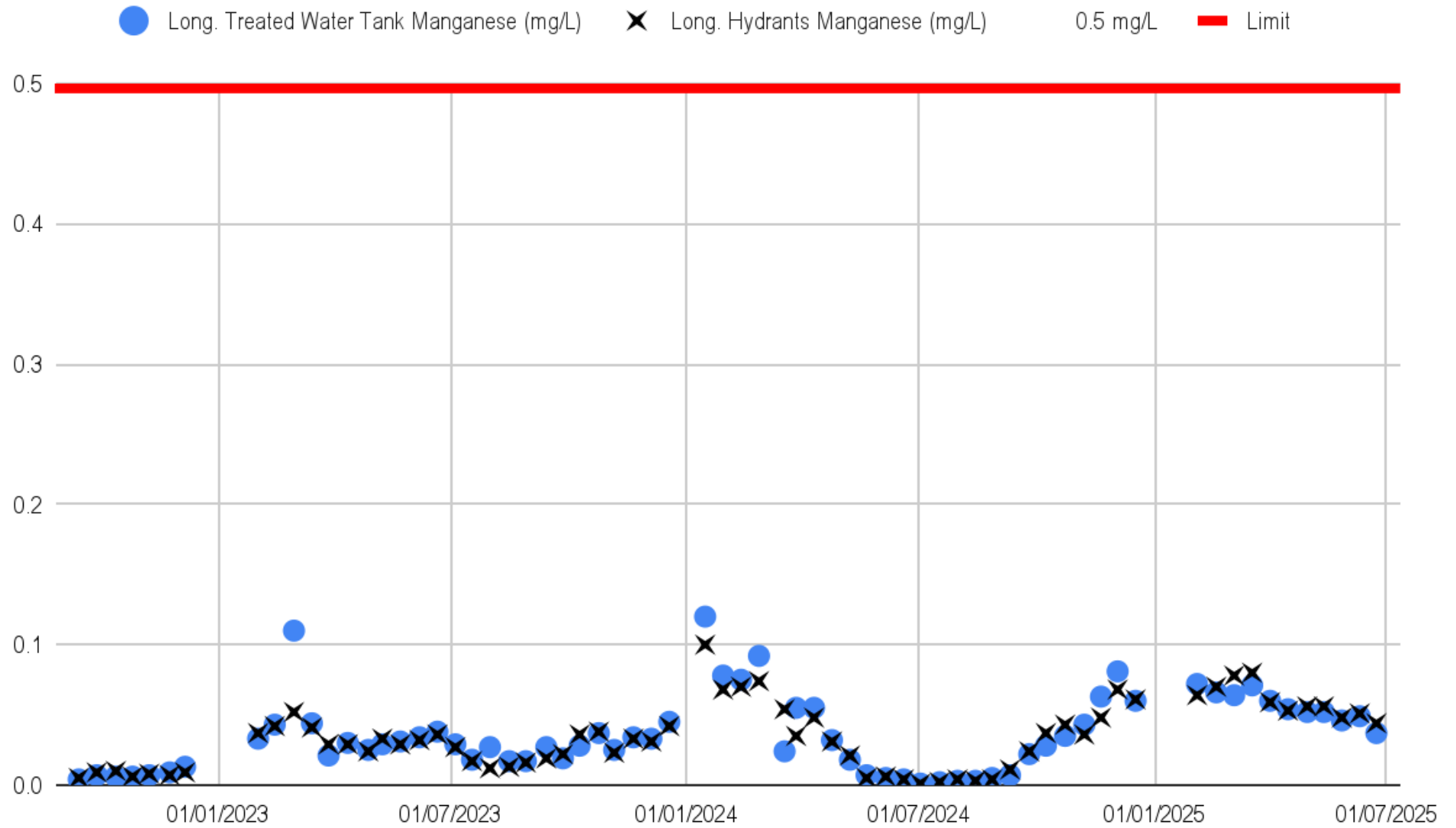


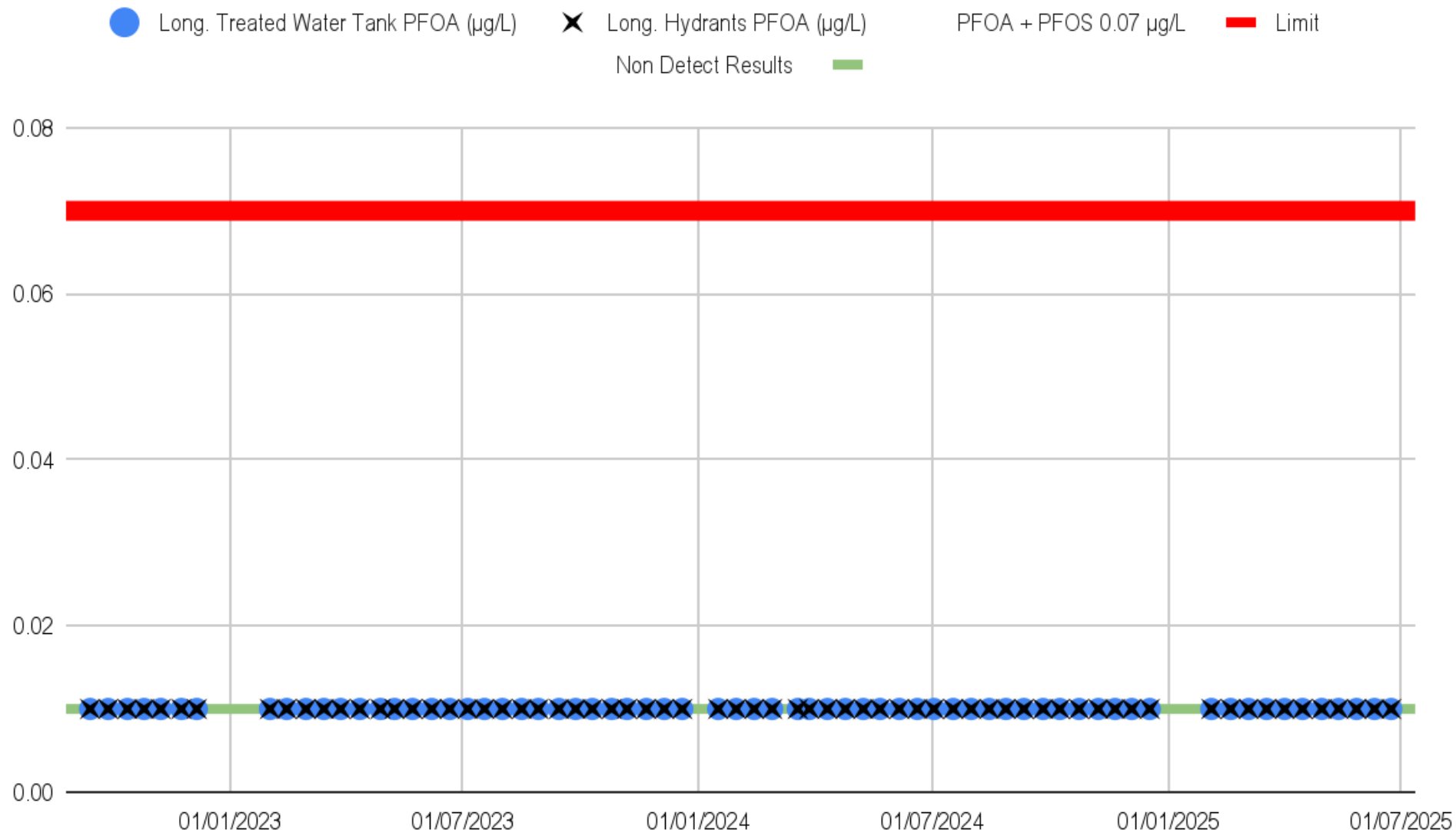




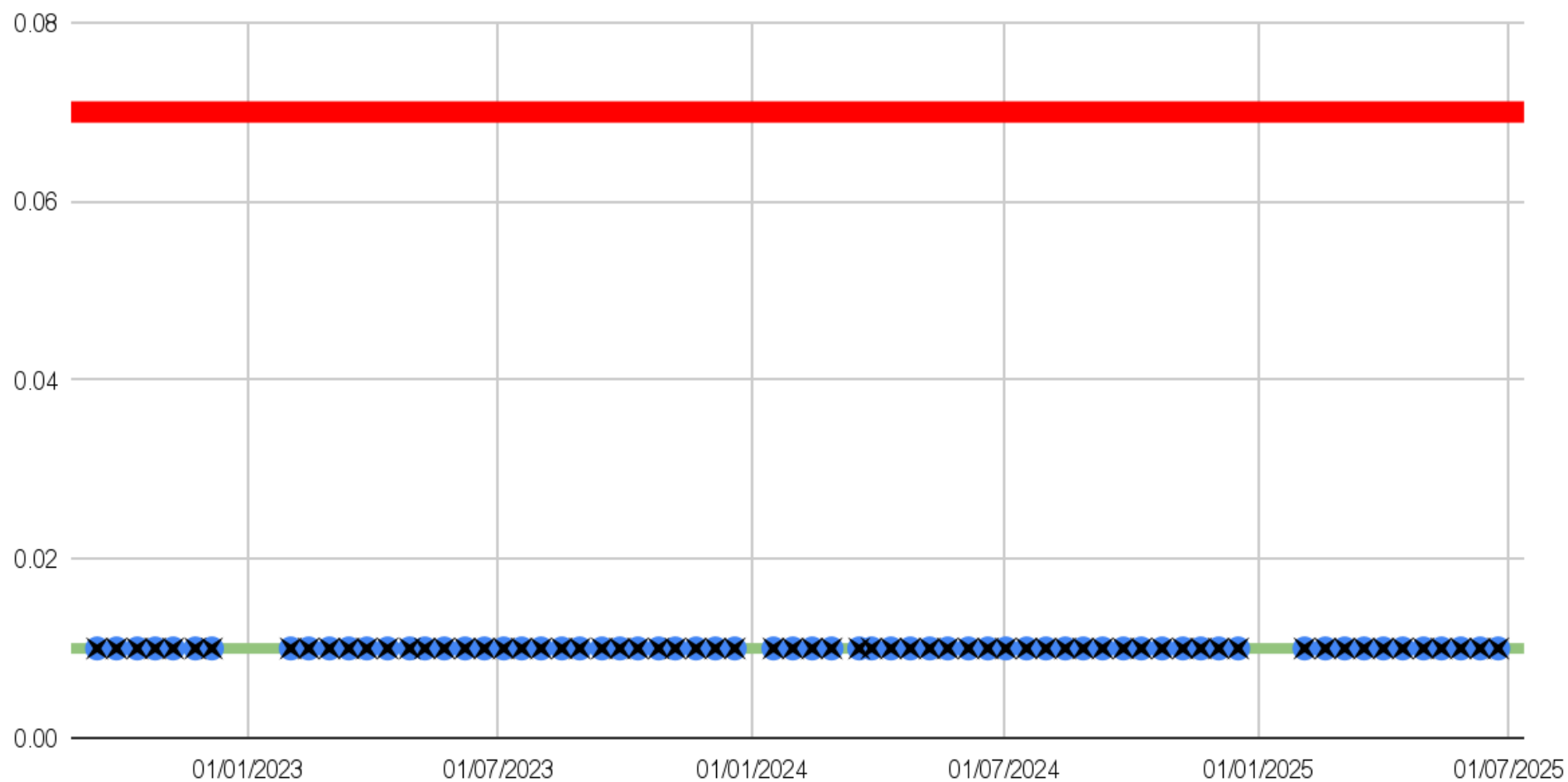
● Long. Treated Water Tank Total Legionella (CFU/mL) ✕ Long. Hydrants Total Legionella (CFU/mL) 10 cfu/mL ■ Limit
Non Detect Results ■

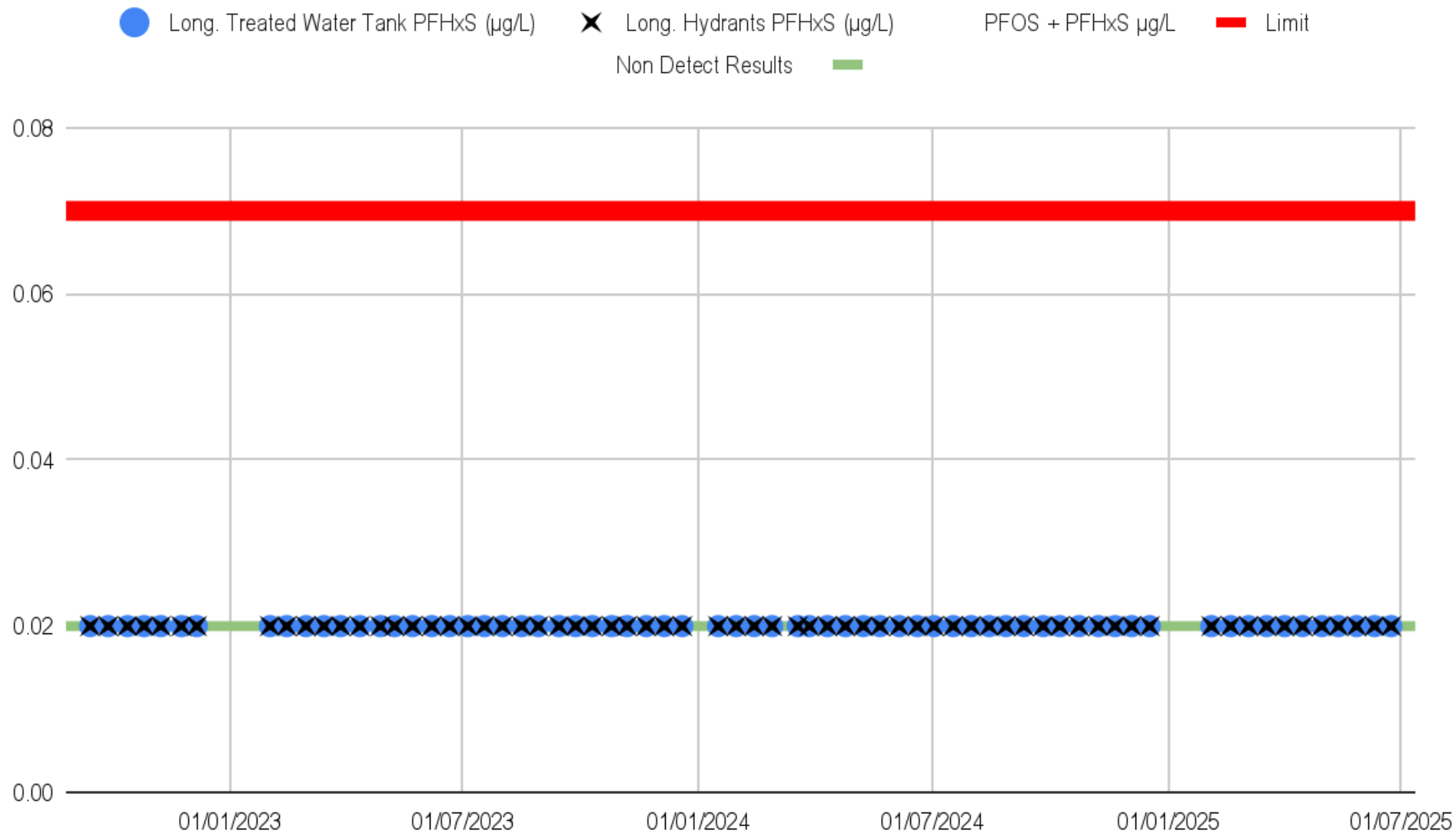


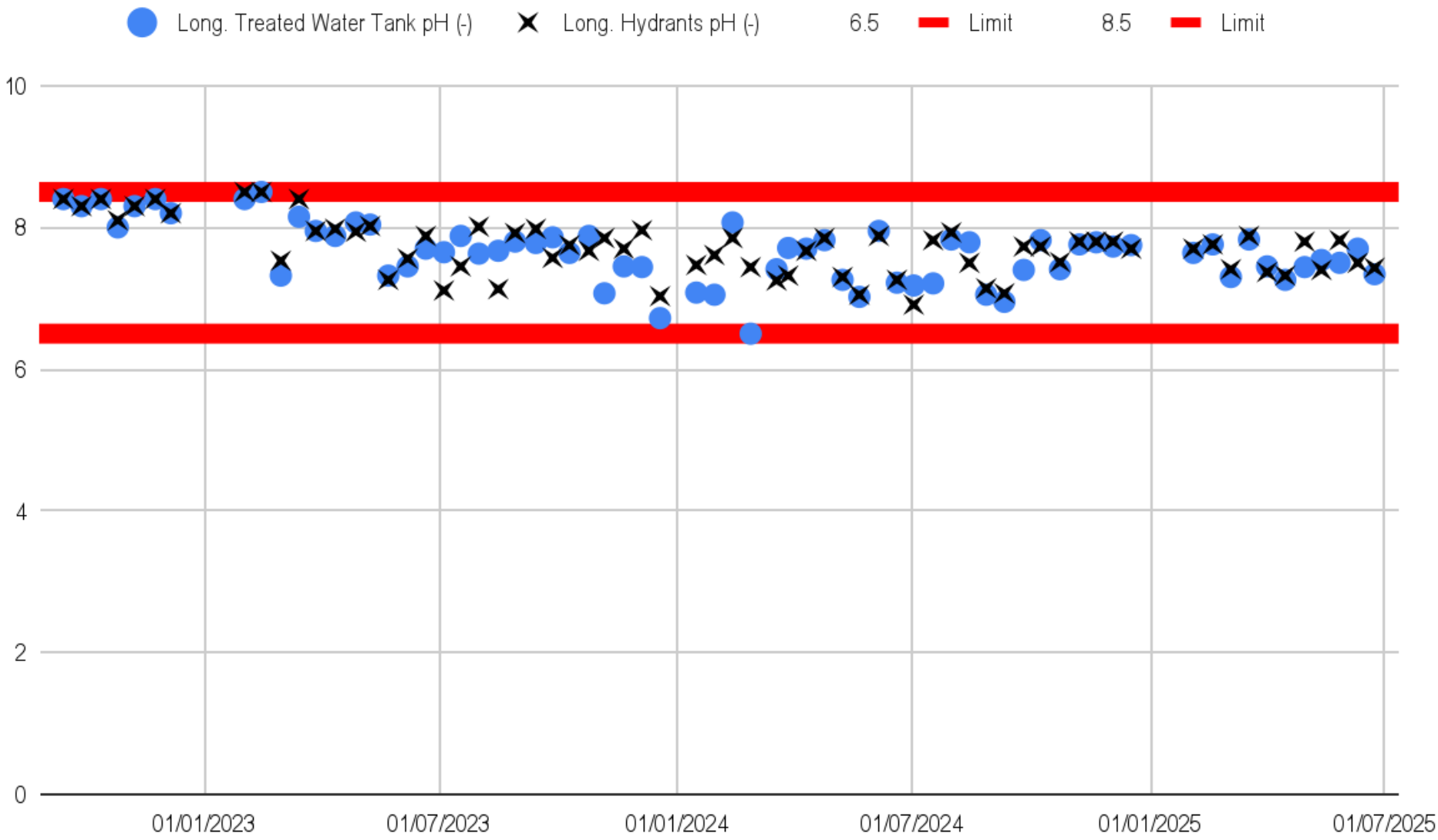


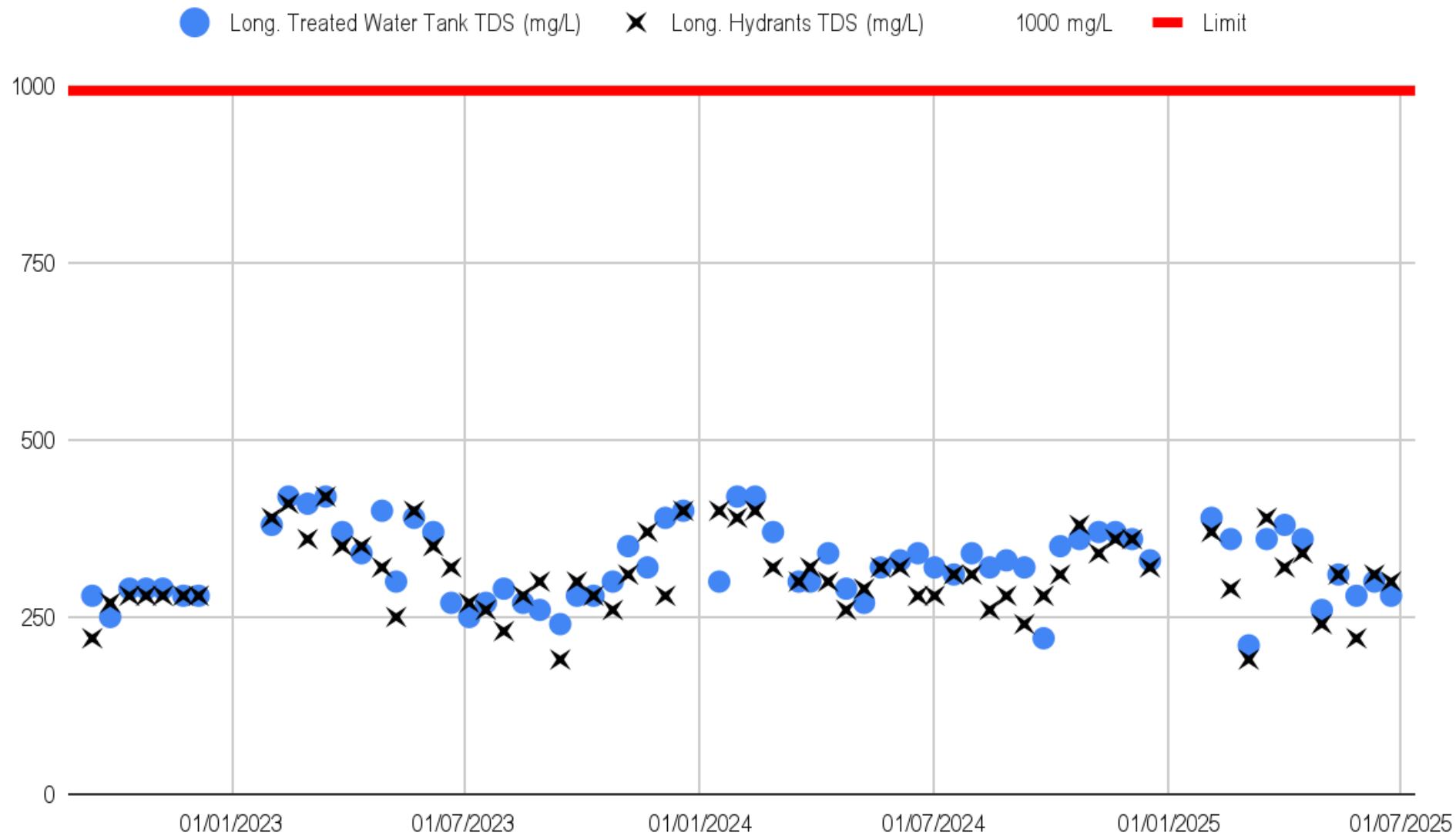


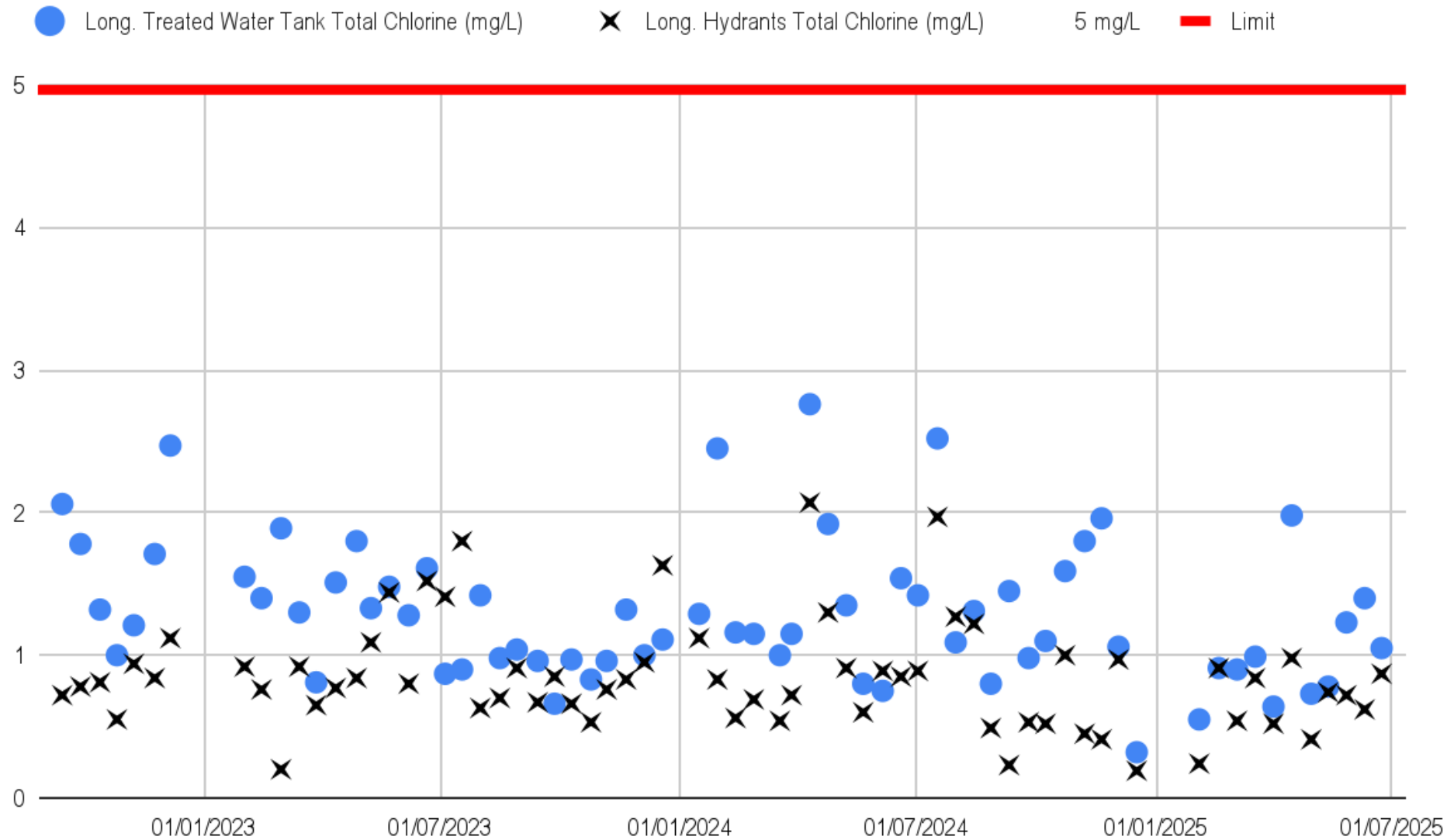
● Long. Treated Water Tank PFOS (µg/L) ✕ Long. Hydrants PFOS (µg/L) PFOA + PFOS 0.07 µg/L — Limit
Non Detect Results —

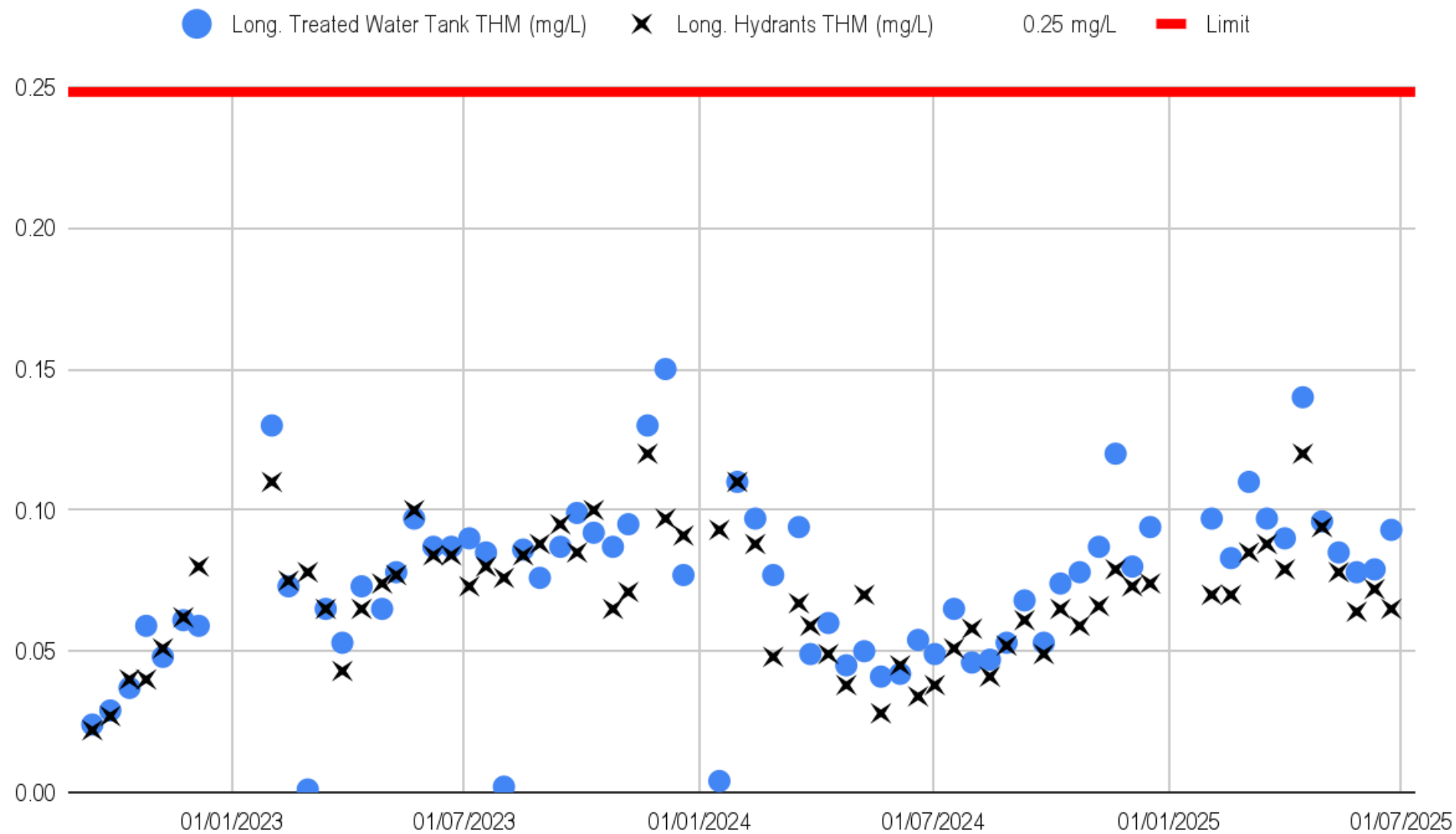


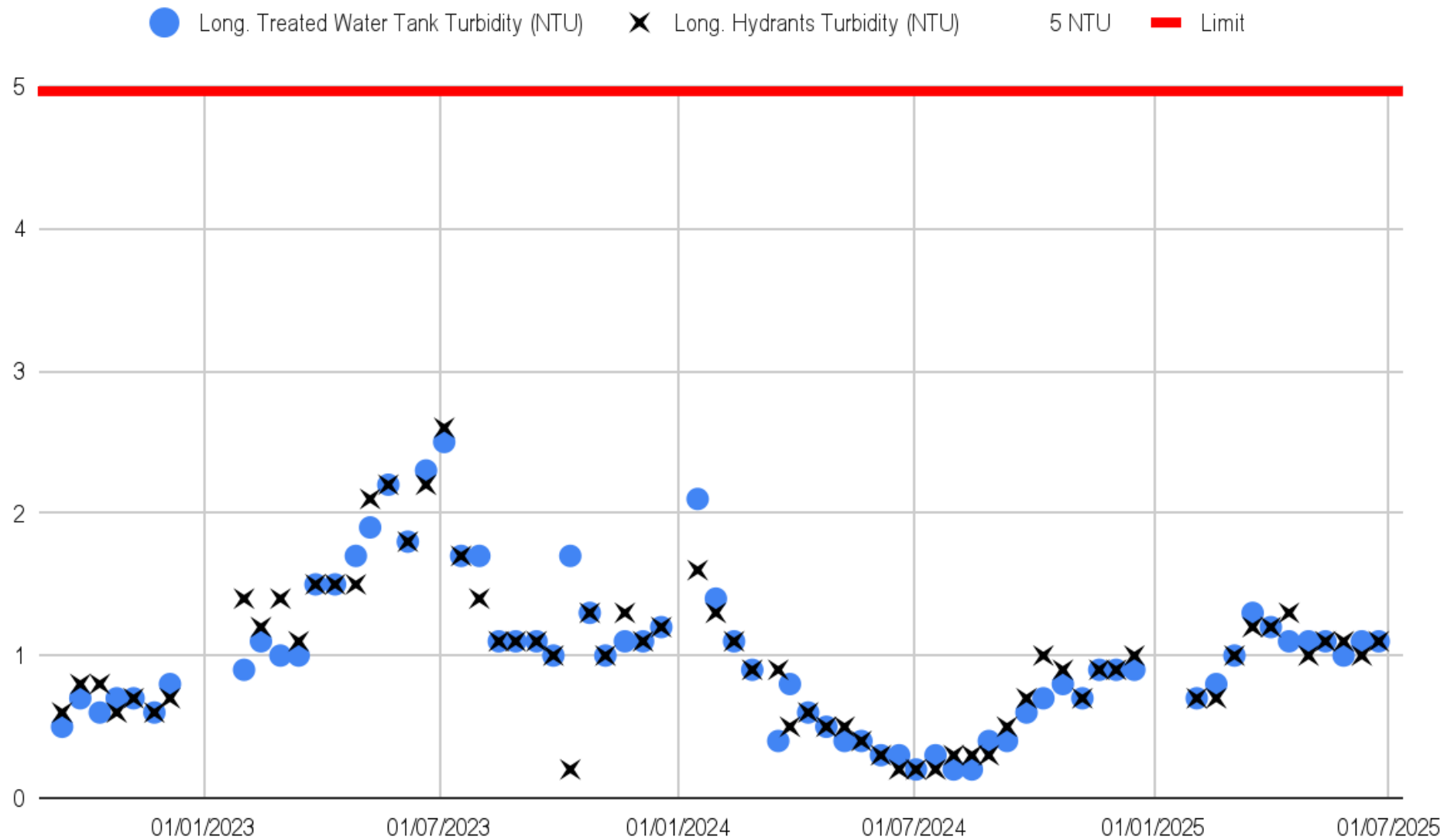


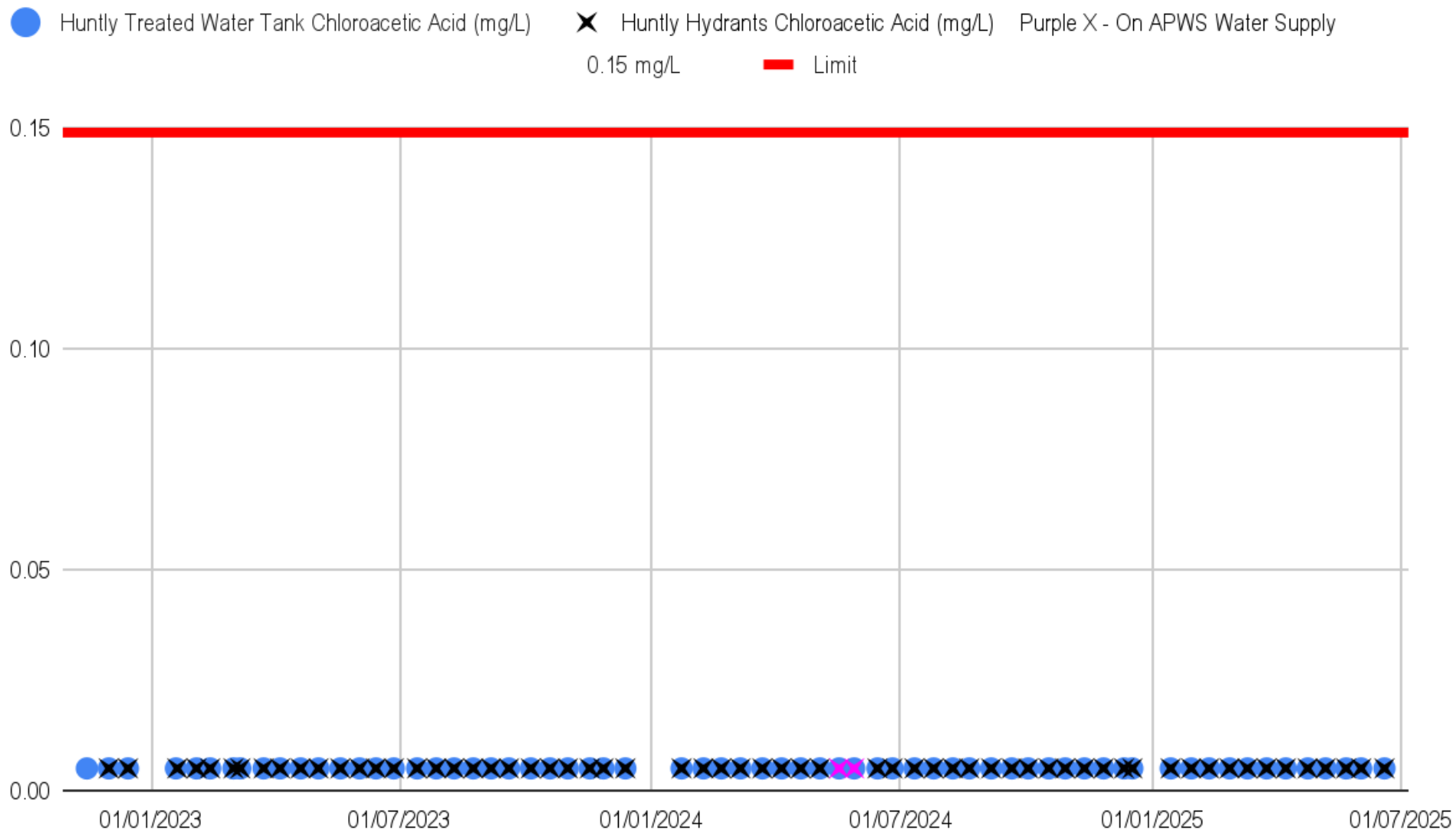


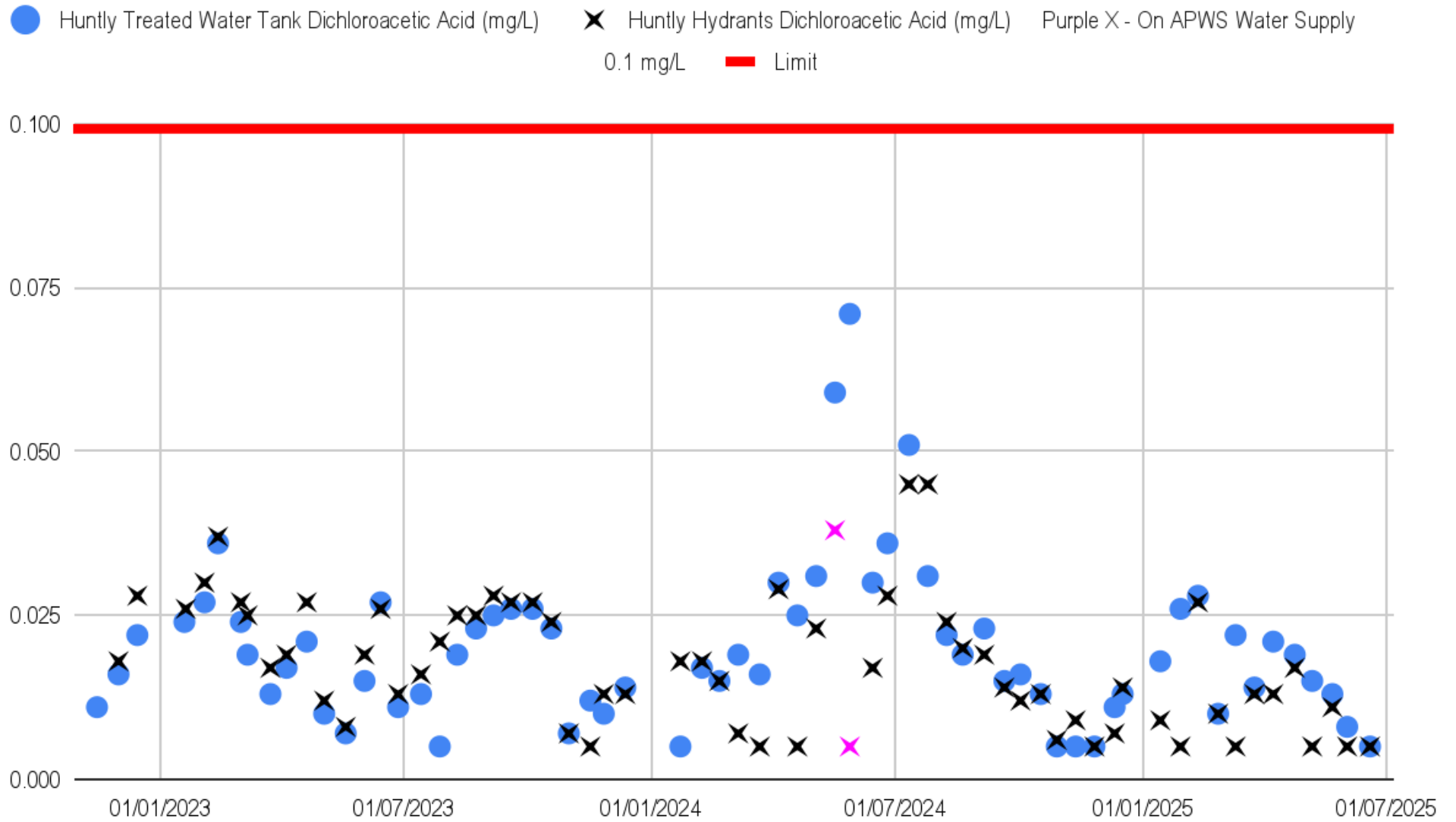


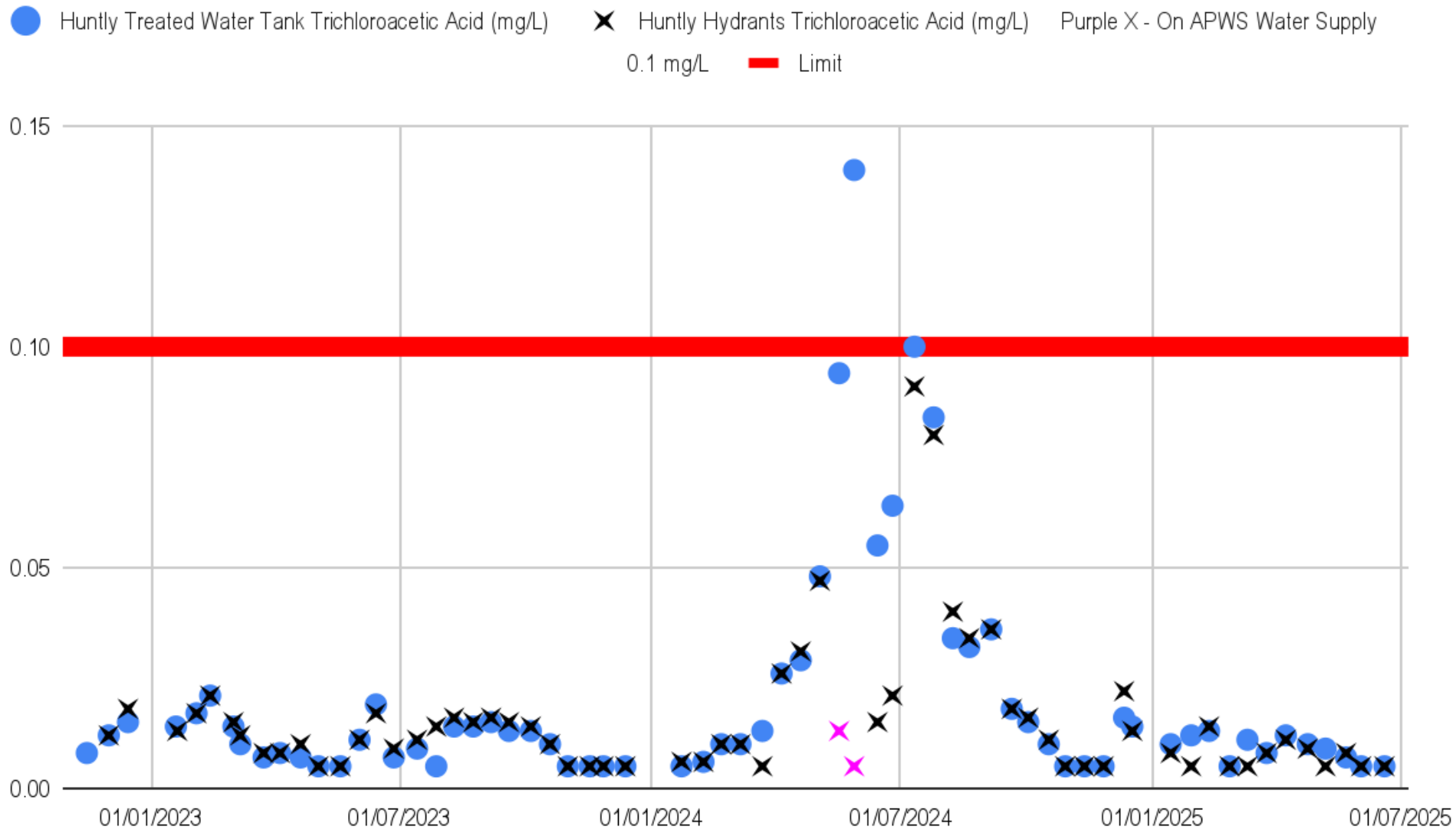


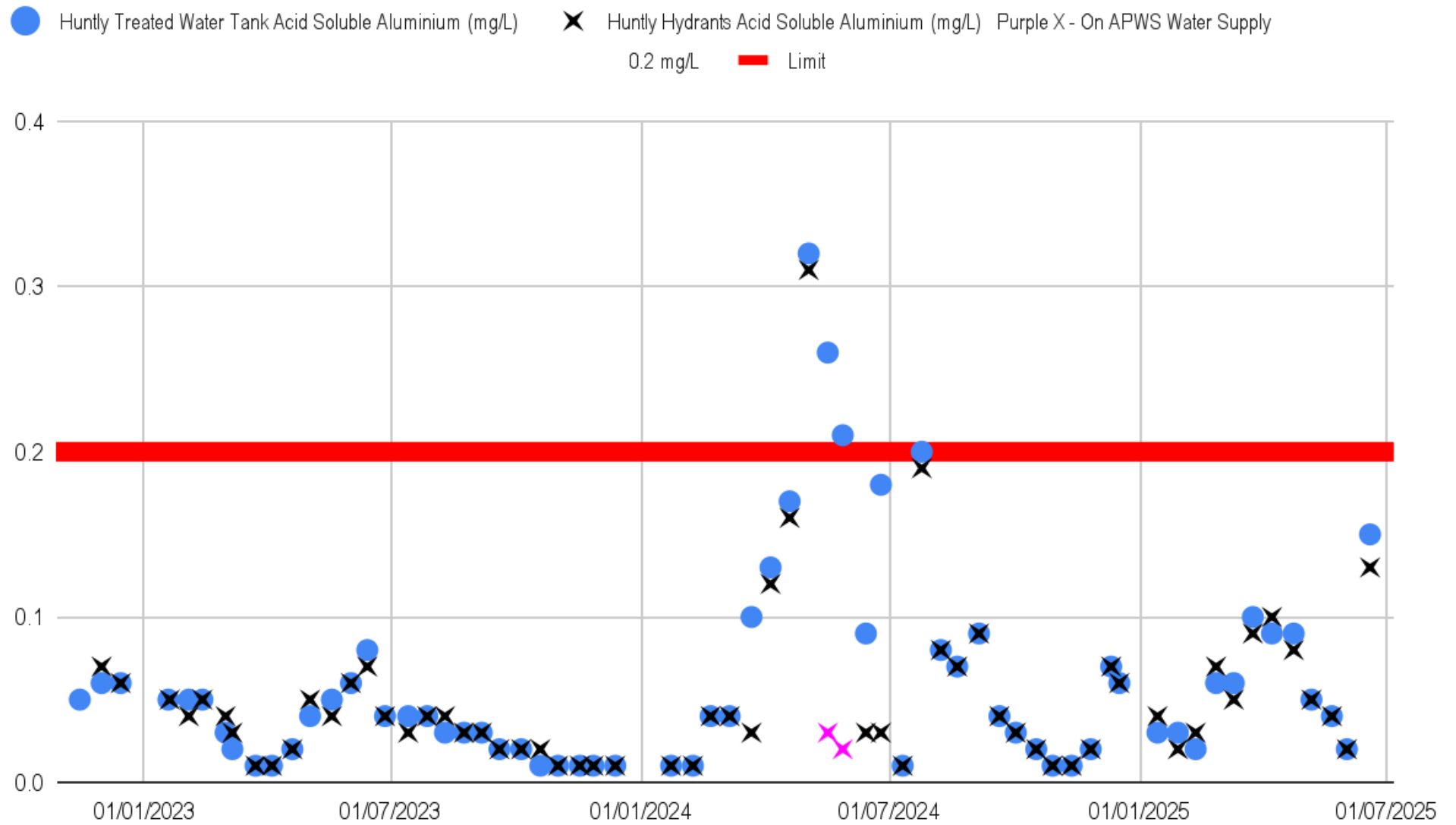




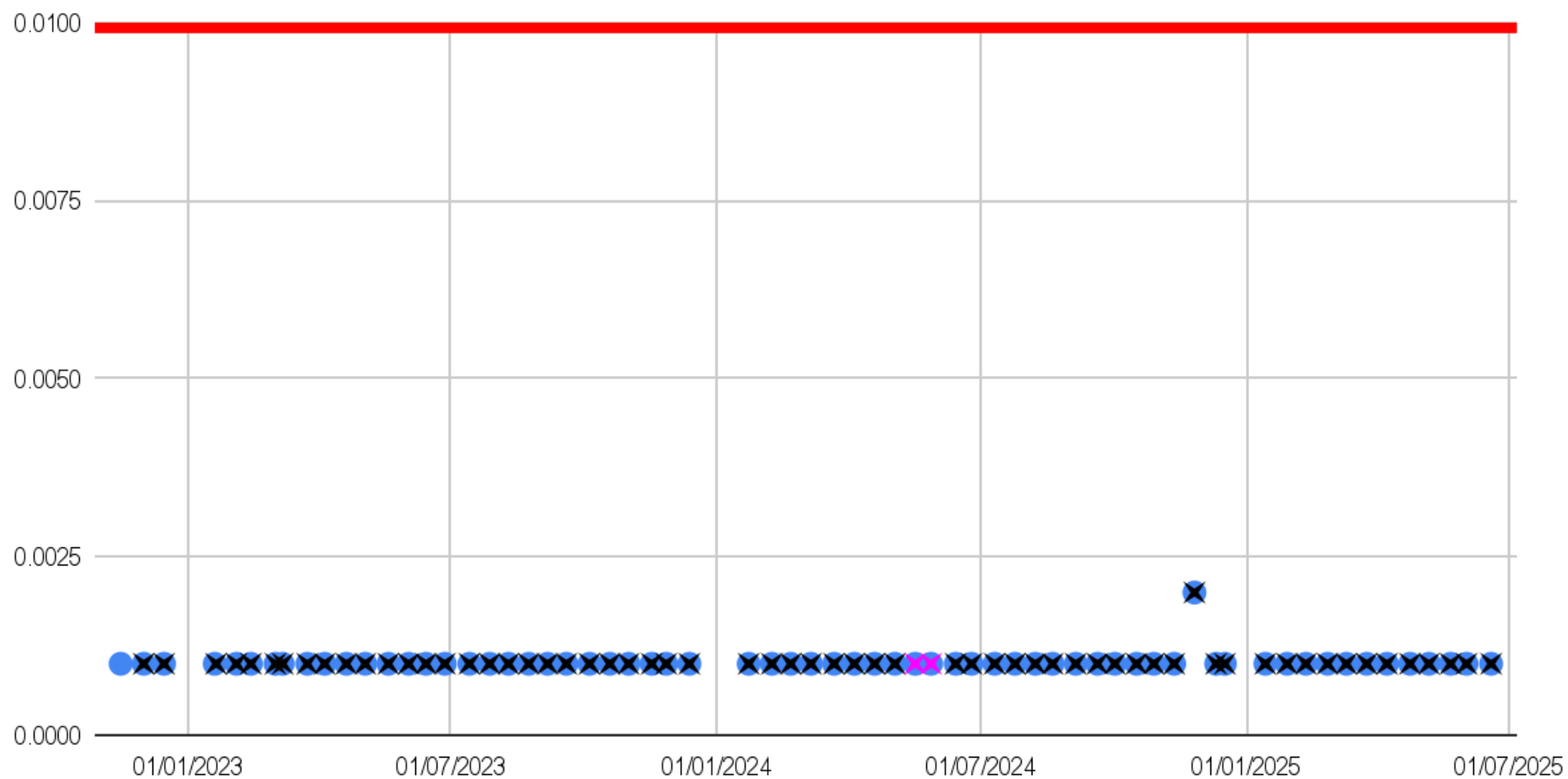


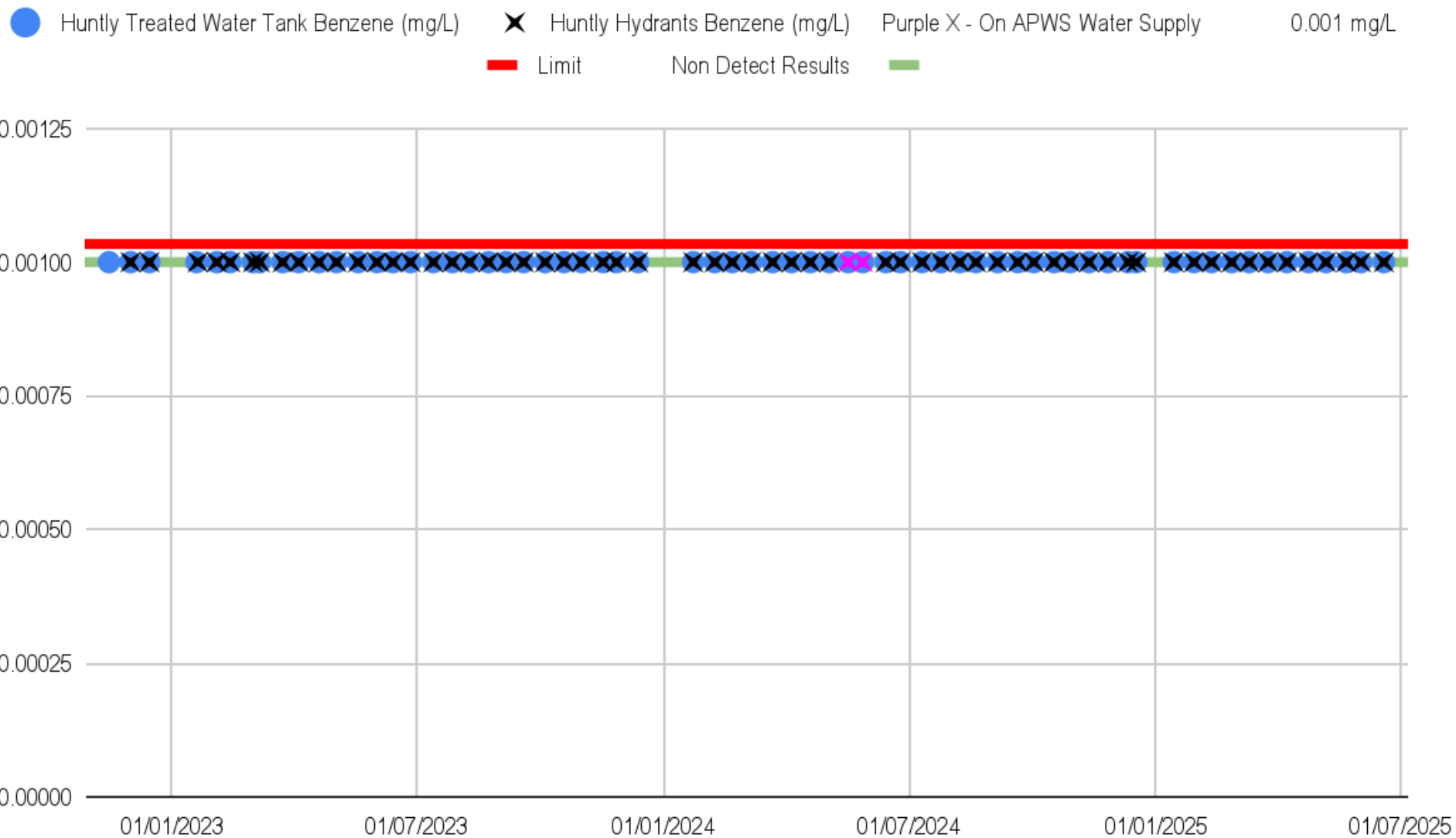




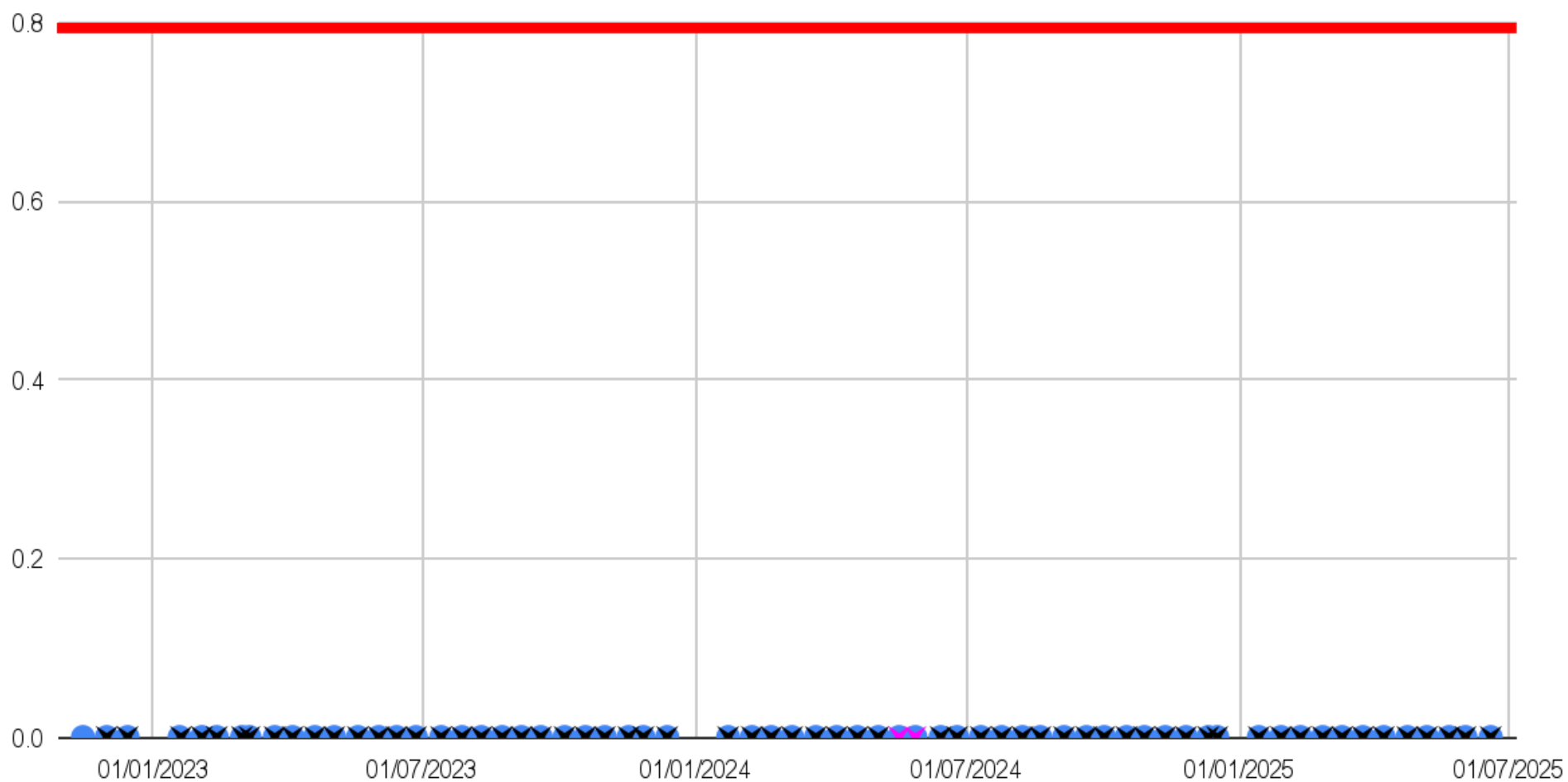


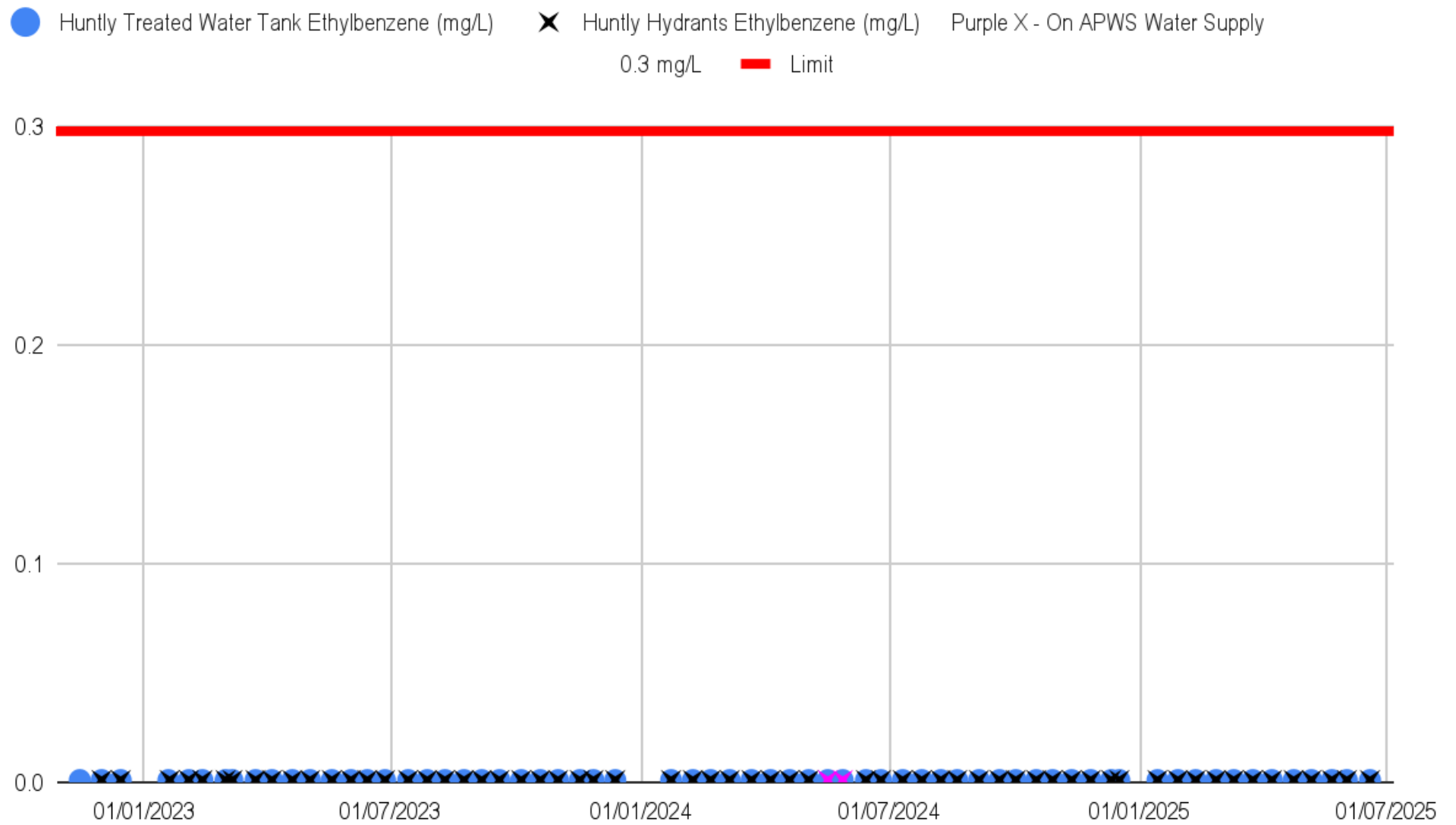
● Huntly Treated Water Tank Arsenic (mg/L) ✕ Huntly Hydrants Arsenic (mg/L) Purple X - On APWS Water Supply 0.01 mg/L
— Limit



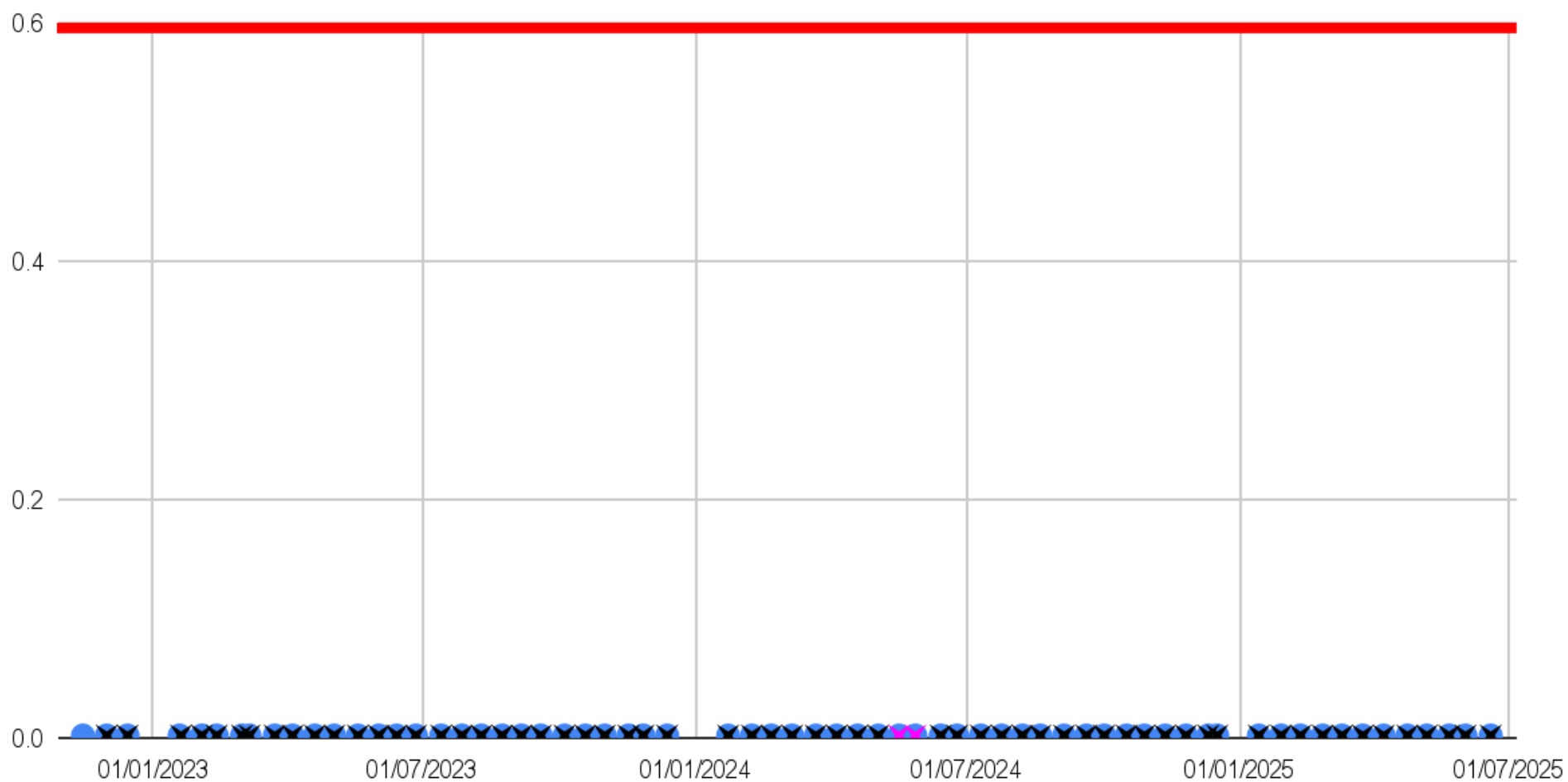


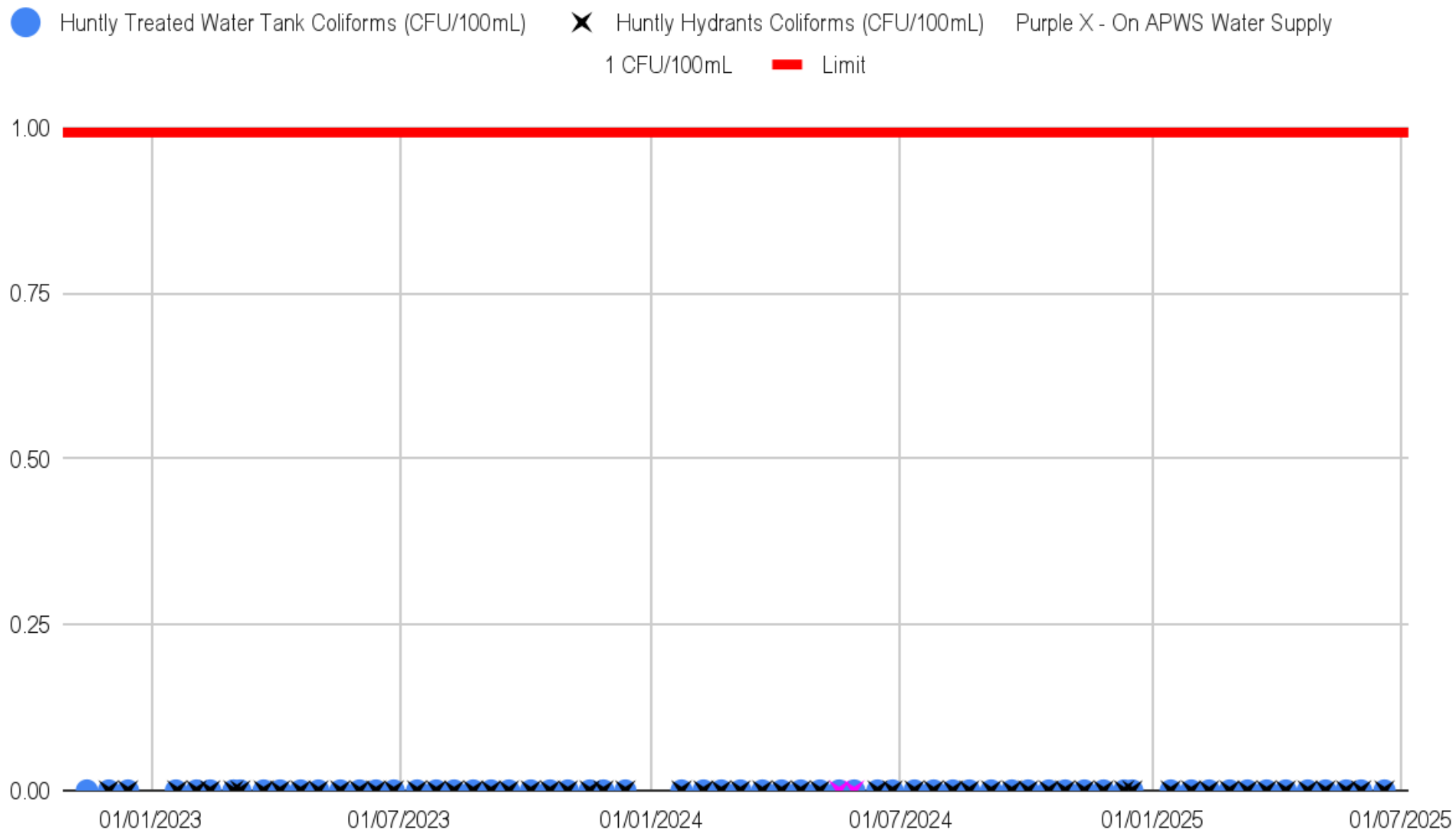
● Huntly Treated Water Tank Toluene (mg/L) ✕ Huntly Hydrants Toluene (mg/L) Purple X - On APWS Water Supply 0.8 mg/L
— Limit



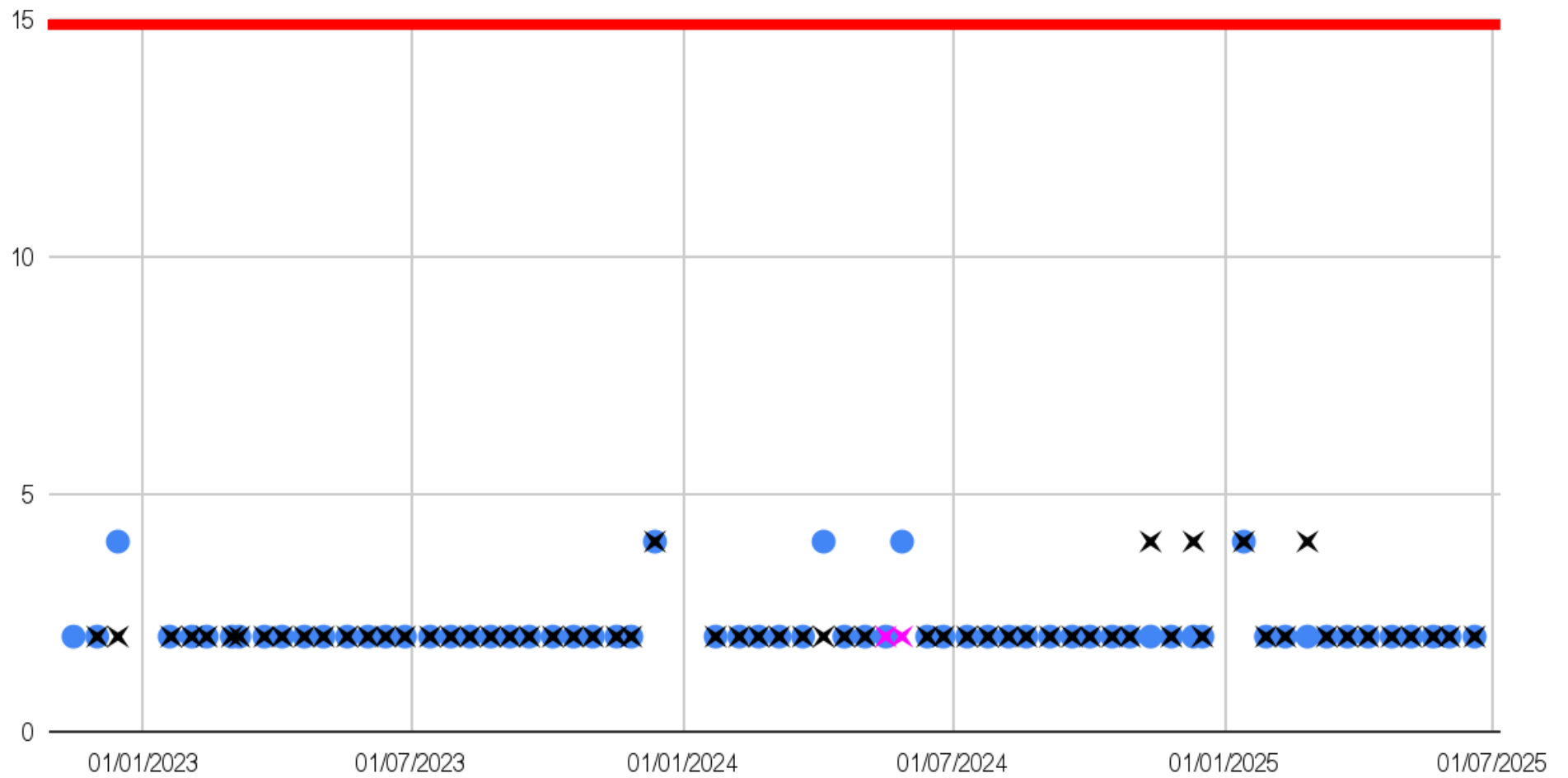


● Huntly Treated Water Tank Xylene (mg/L) ✕ Huntly Hydrants Xylene (mg/L) Purple X - On APWS Water Supply 0.6 mg/L
— Limit

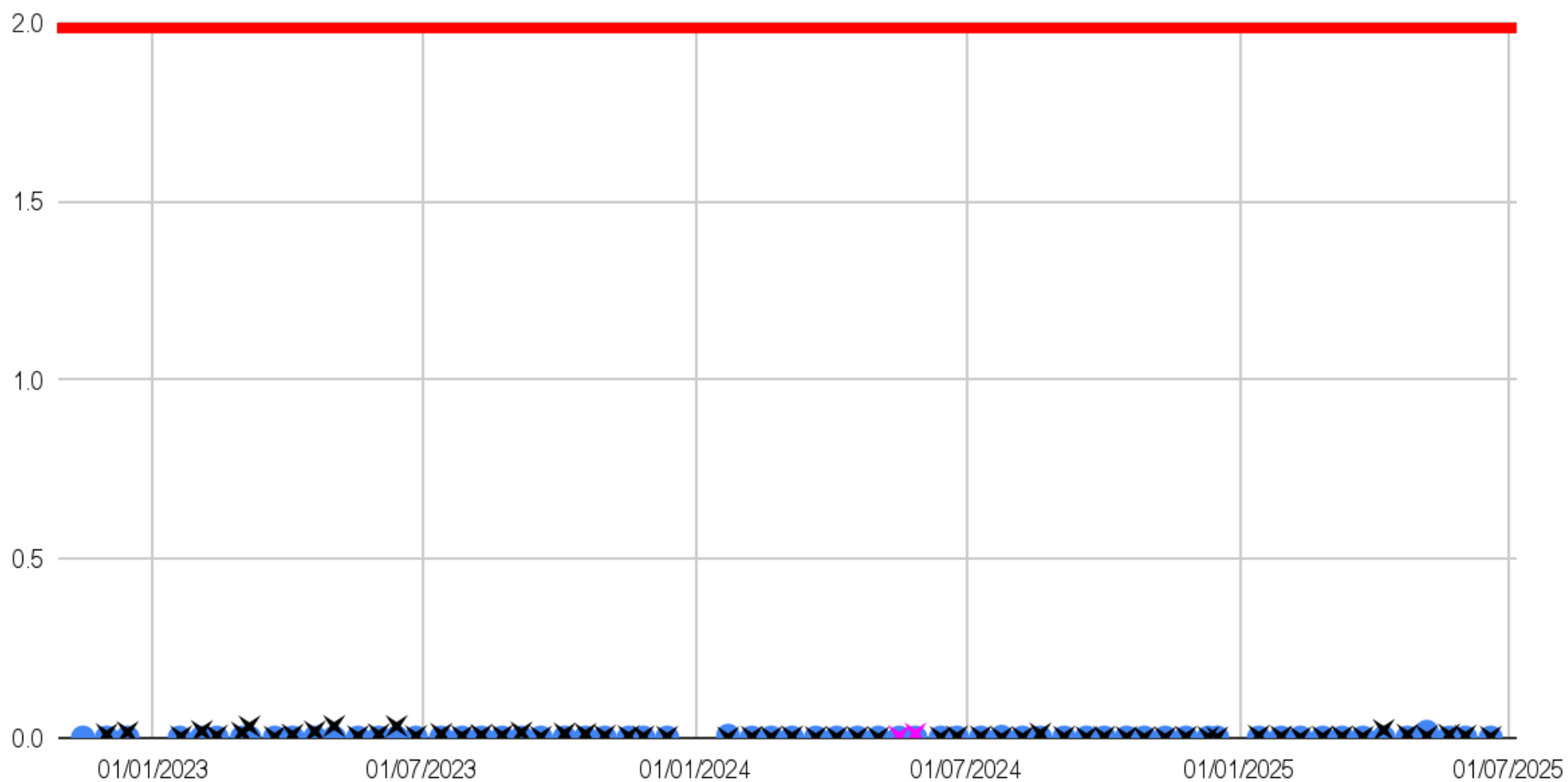


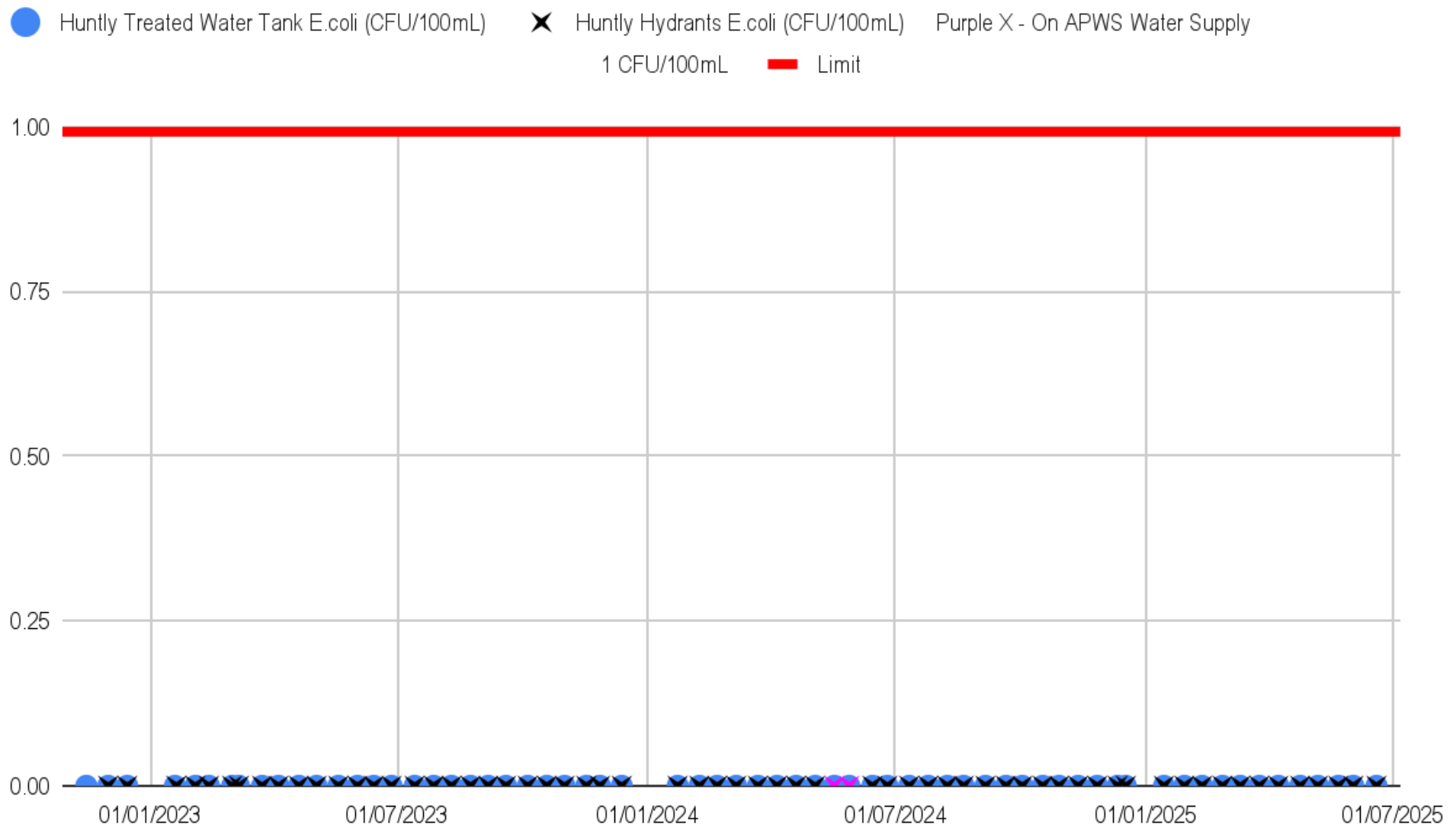


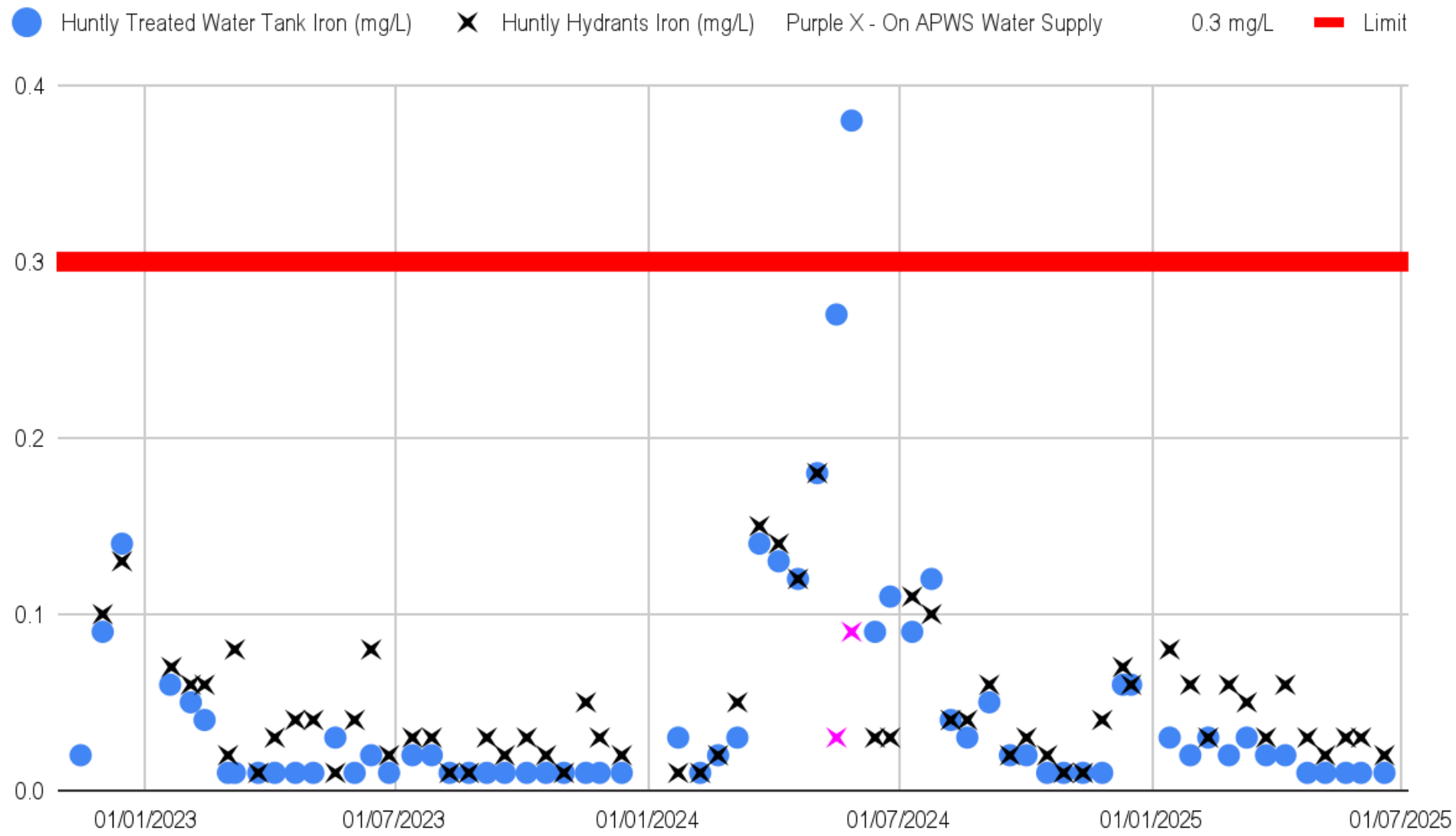
● Huntly Treated Water Tank Colour (Pt/Co) ✕ Huntly Hydrants Colour (Pt/Co) Purple X - On APWS Water Supply 15 Pt/Co
— Limit

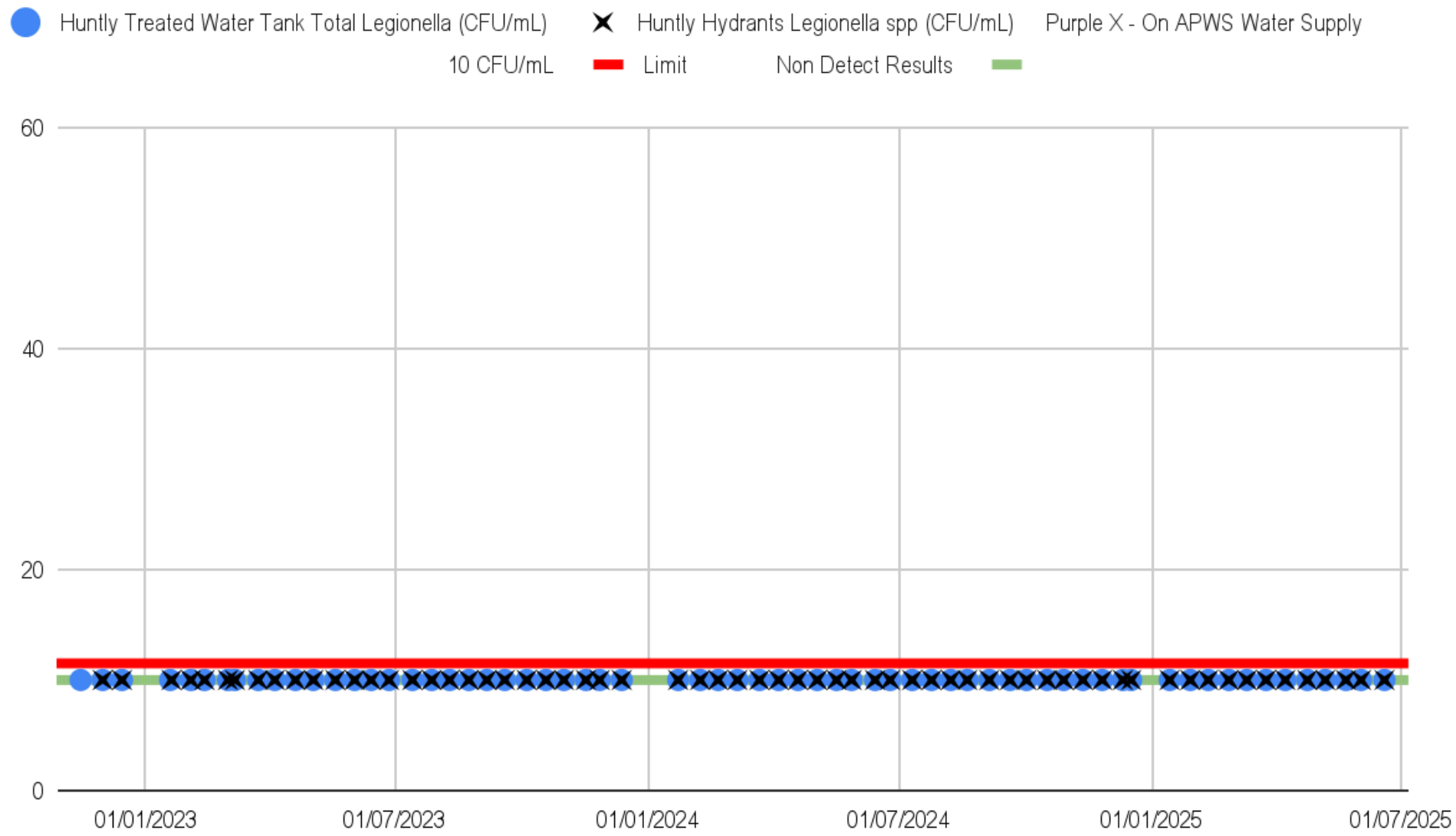


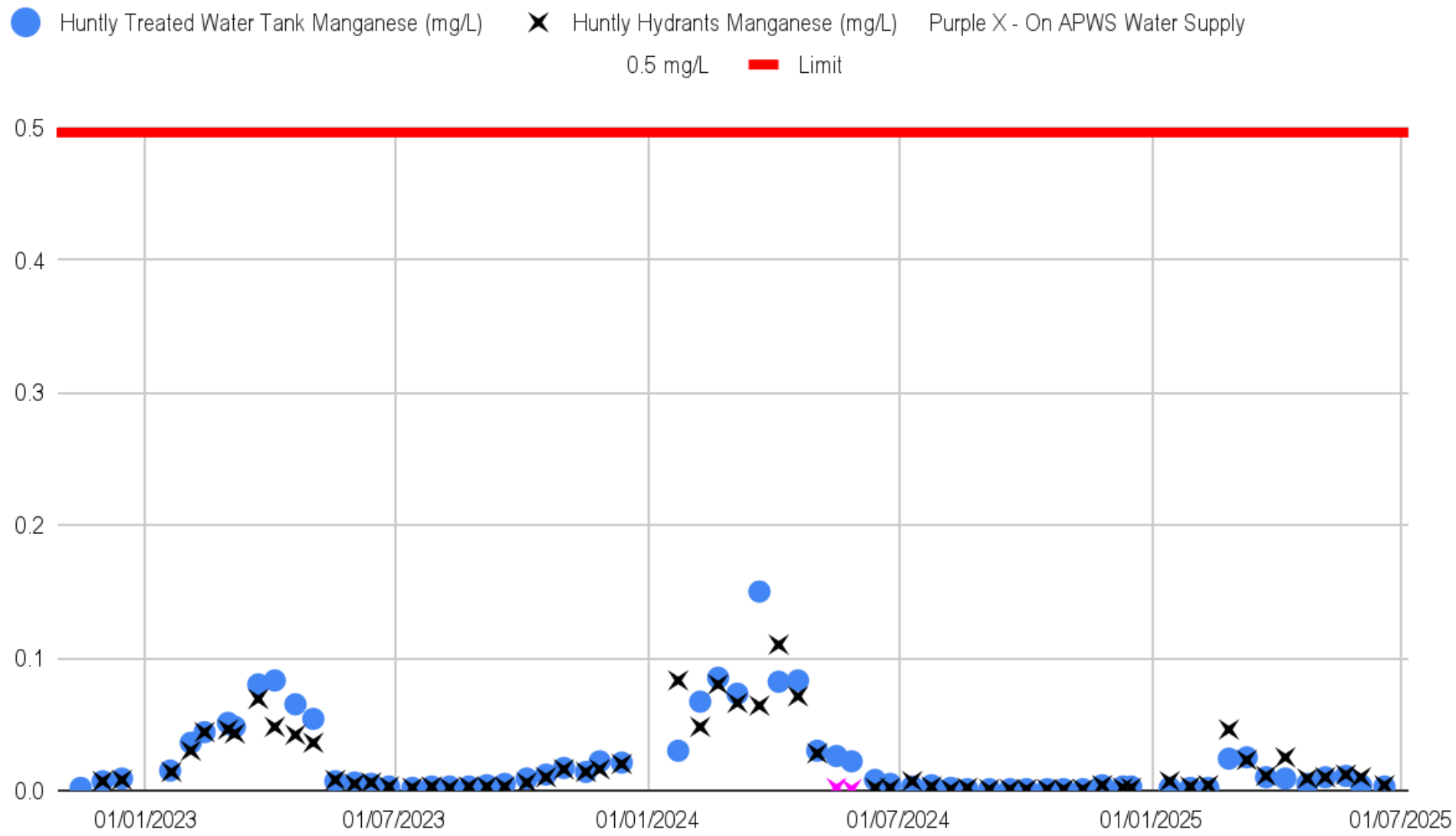
● Huntly Treated Water Tank Copper (mg/L) ✕ Huntly Hydrants Copper (mg/L) Purple X - On APWS Water Supply 2 mg/L
— Limit



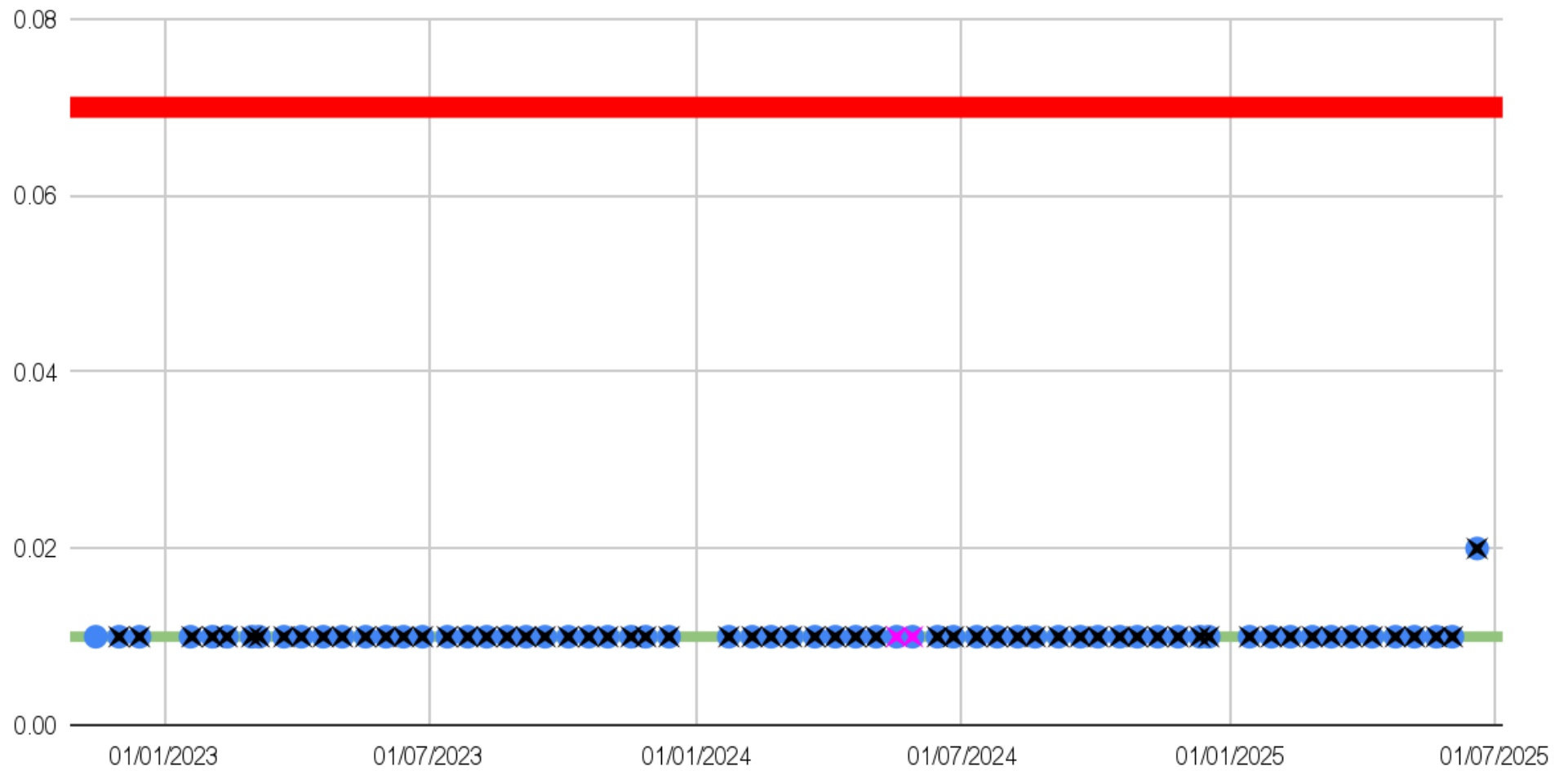




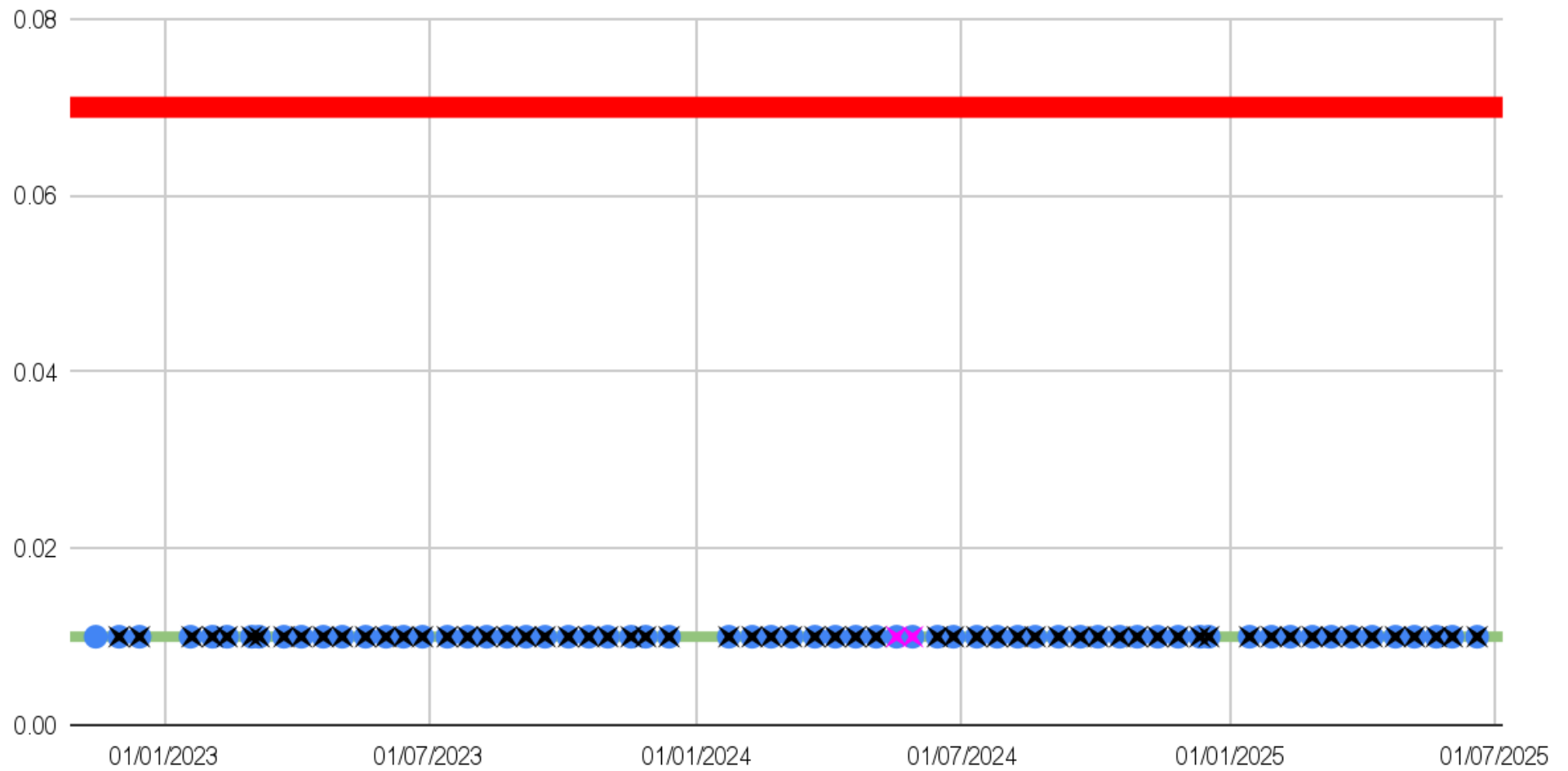


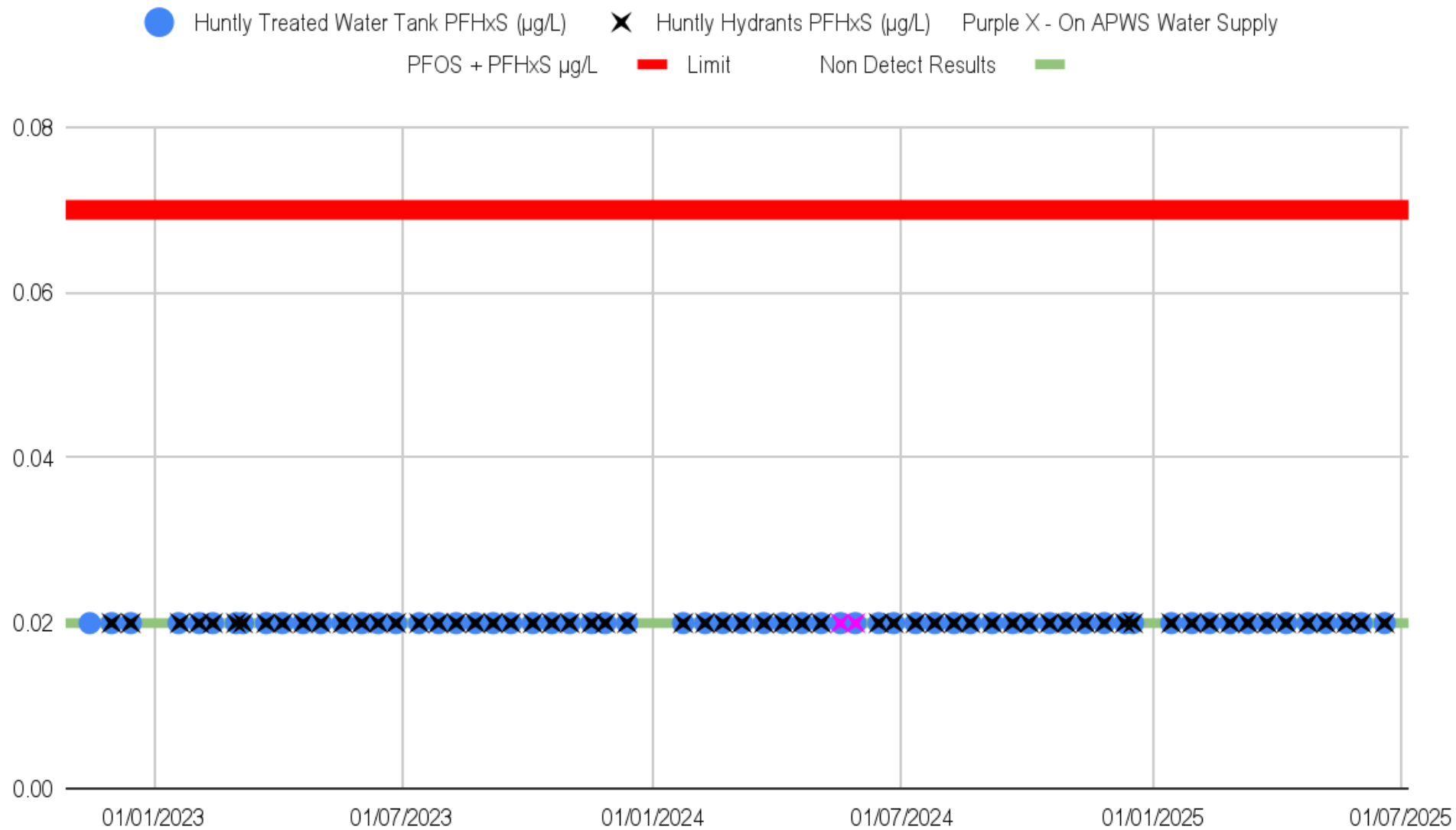


● Huntly Treated Water Tank PFOA (µg/L) ✕ Huntly Hydrants PFOA (µg/L) Purple X - On APWS Water Supply
PFOA + PFOS 0.07 µg/L Limit Non Detect Results —



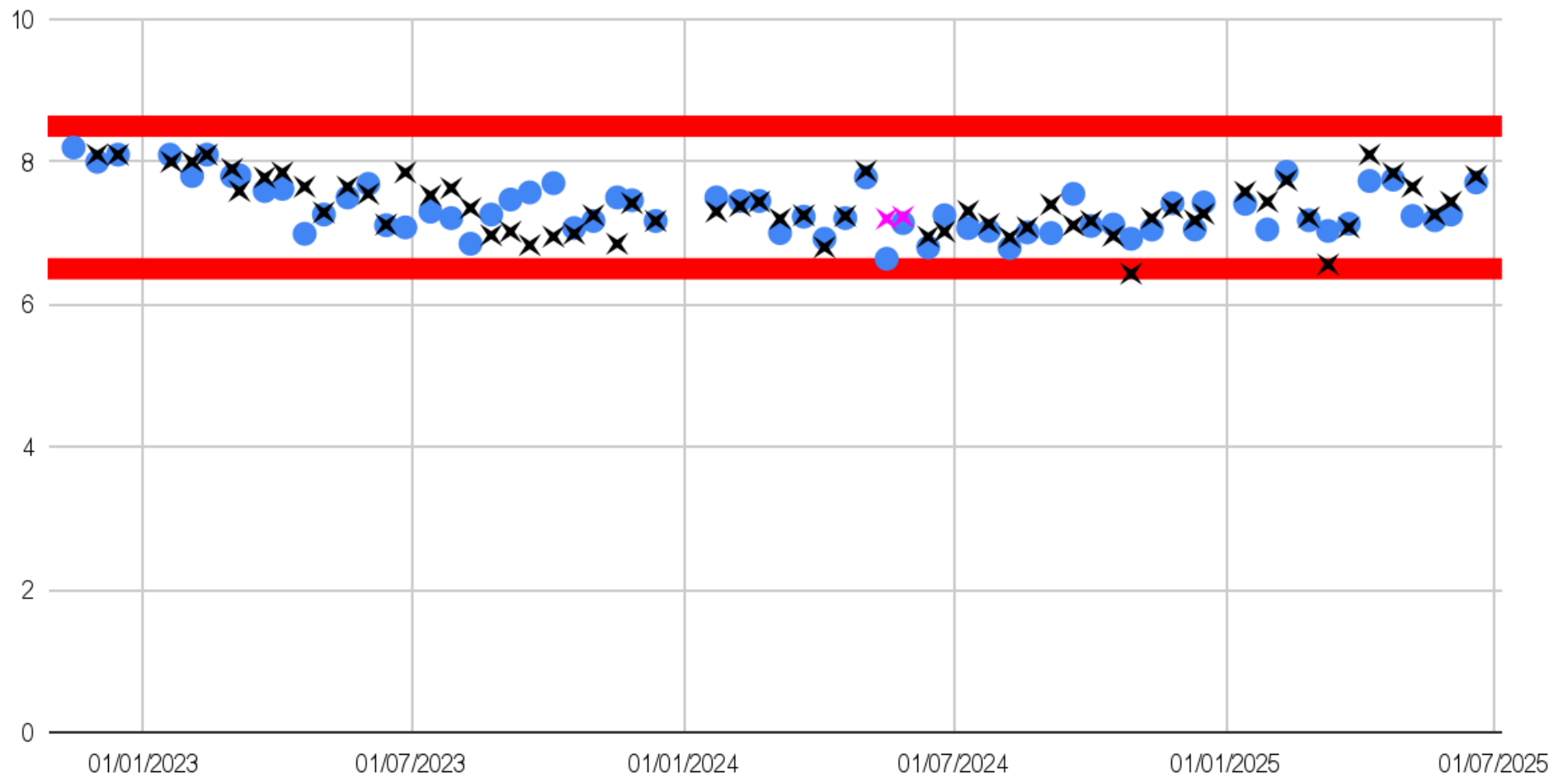
● Huntly Treated Water Tank PFOS ($\mu\text{g/L}$) ✕ Huntly Hydrants PFOS ($\mu\text{g/L}$) Purple X - On APWS Water Supply
PFOA + PFOS 0.07 $\mu\text{g/L}$ Limit Non Detect Results —



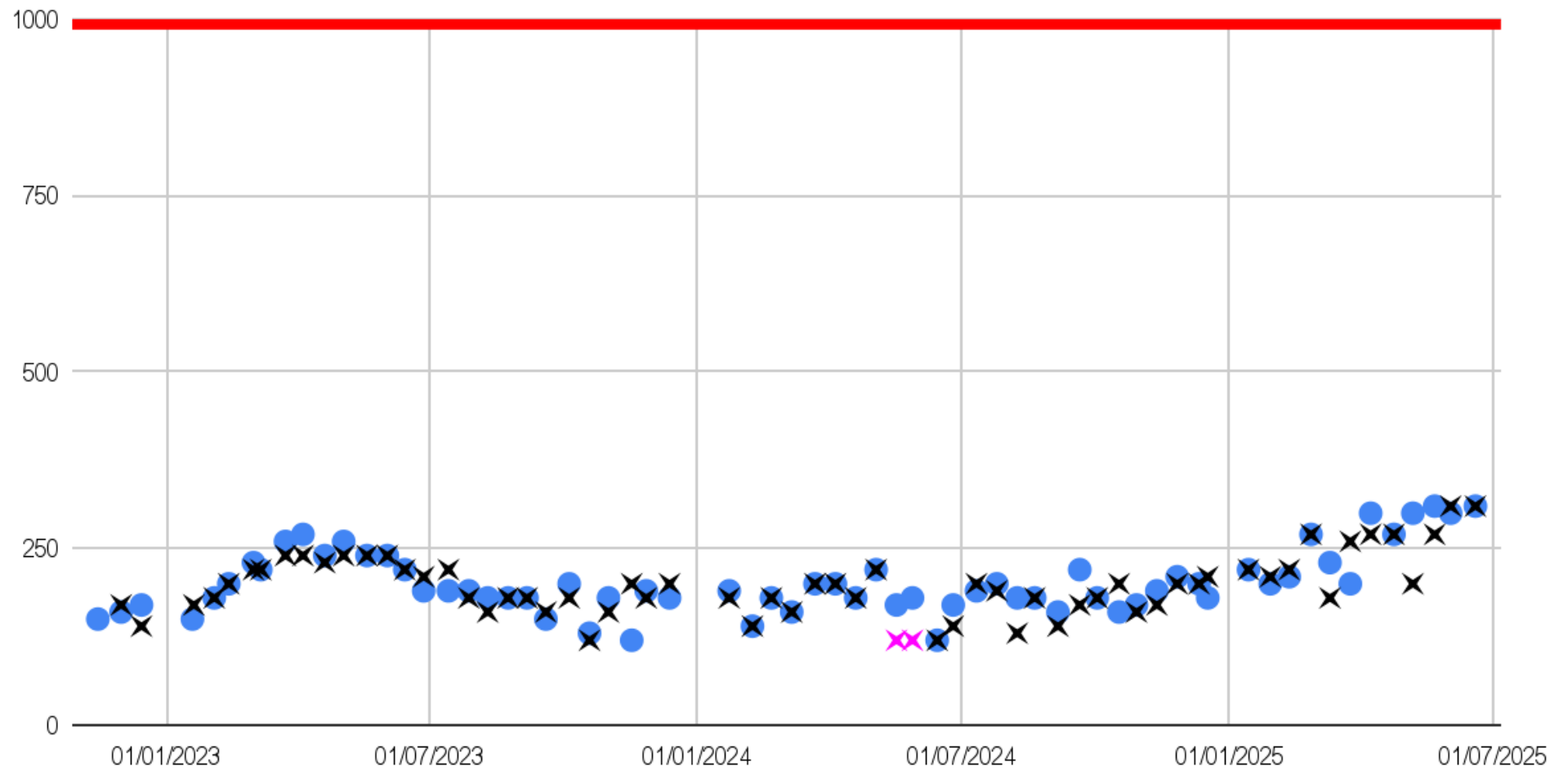


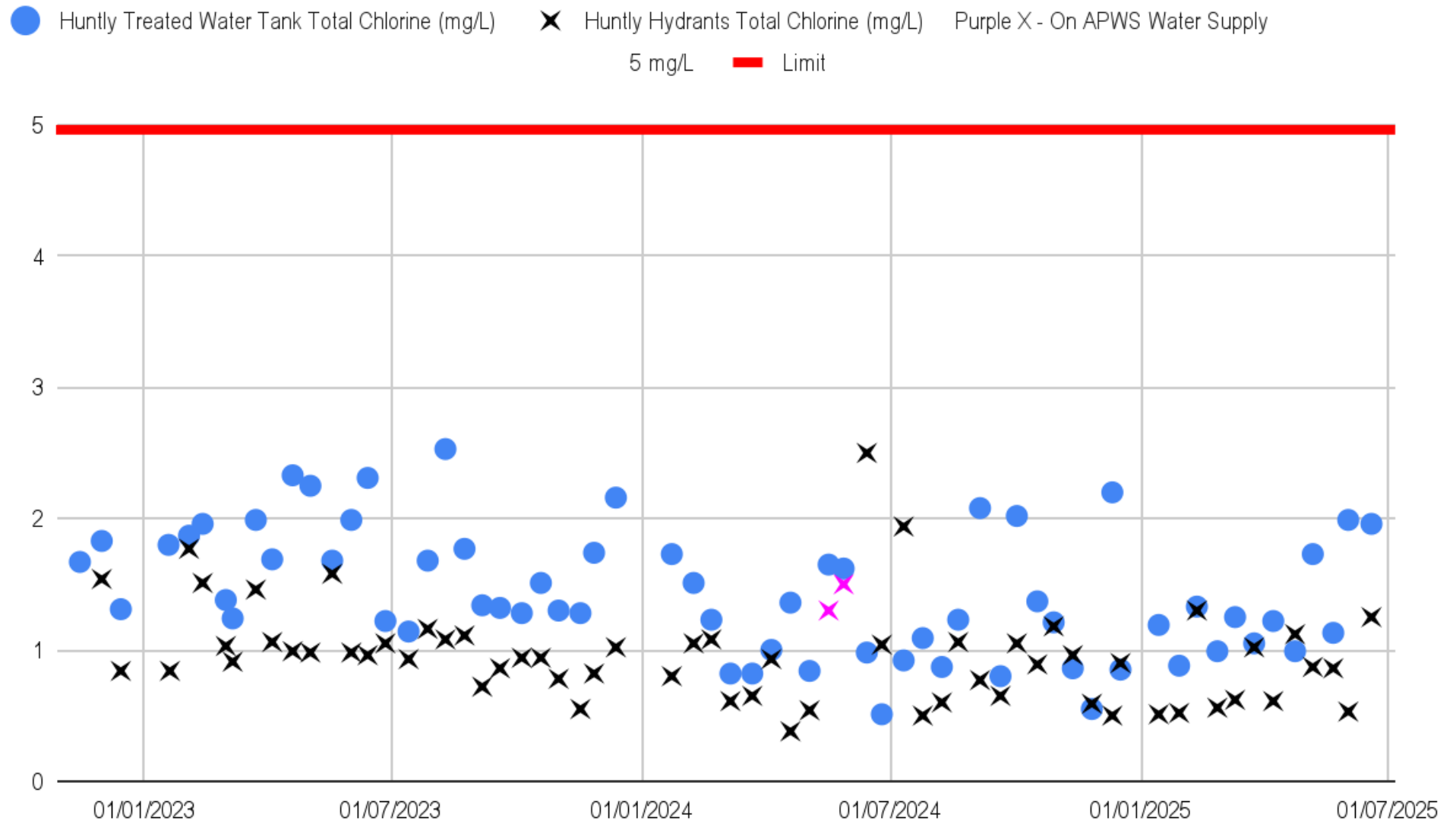
● Huntly Treated Water Tank pH (-) ✕ Huntly Hydrants pH (-) Purple X - On APWS Water Supply 6.5 Limit 8.5

Limit



● Huntly Treated Water Tank TDS (mg/L) ✕ Huntly Hydrants TDS (mg/L) Purple X - On APWS Water Supply 1000 mg/L
— Limit





● Huntly Treated Water Tank THM (mg/L) ✕ Huntly Hydrants THM (mg/L) Purple X - On APWS Water Supply 0.25 mg/L
— Limit

