

CFA VEMTC WMS

Quarterly Performance Report

Calendar Quarter Four 2022 - 01/10/2022 - 31/12/2022

Report Issue Date - 06/02/2023

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
12/10/2022	All results within Specification	All Hydrants within Specification
25/10/2022	All results within Specification	All Hydrants within Specification
09/11/2022	All results within Specification	All Hydrants within Specification
23/11/2022	All results within Specification except for coliforms	All Hydrants within Specification
07/12/2022	All results within Specification	All Hydrants within Specification
20/12/2022	All results within Specification	All Hydrants within Specification

WTP1 - Penshurst Results Discussion

One Coliform (1CFU/100mL) detected in Penshurst Treated Water Tank sample taken on 23/11/2022. Compliance limit is <1CFU/100mL. This result of one coliform was received on 5/12/2022. A retest sample was taken on 07/12/2022 and a clear result of zero coliforms (0CFU/100mL) was reported on 08/12/2022.

Otherwise, the treated water tank outlet and all hydrants were within Specification.



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WTP2 - Wangaratta Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
11/10/2022	All results within Specification	All Hydrants within Specification
25/10/2022	All results within Specification	All Hydrants within Specification
09/11/2022	All results within Specification	All Hydrants within Specification
22/11/2022	All results within Specification	All Hydrants within Specification

WTP2 - Wangaratta Results Discussion

Treated water tank outlet and all hydrants within Specification.

WTP3 - Sunraysia Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
05/10/2022	All results within Specification	All Hydrants within Specification
02/11/2022	All results within Specification	All Hydrants within Specification
16/11/2022	All results within Specification	All Hydrants within Specification
29/11/2022	All results within Specification	All Hydrants within Specification
15/12/2022	All results within Specification	All Hydrants within Specification

WTP3 - Sunraysia Results Discussion

Treated water tank outlet and all hydrants within Specification.

WTP5 - Bangholme Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
18/11/2022	All results within Specification	All Hydrants within Specification
01/12/2022	All results within Specification	All Hydrants within Specification
13/12/2022	All results within Specification	All Hydrants within Specification

WTP5 - Bangholme Results Discussion

Treated water tank outlet and all hydrants within Specification.

WTP6 - Longerenong Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
13/10/2022	All results within Specification	All Hydrants within Specification
26/10/2022	All results within Specification	All Hydrants within Specification
08/11/2022	All results within Specification	All Hydrants within Specification
24/11/2022	All results within Specification	All Hydrants within Specification
06/12/2022	All results within Specification	All Hydrants within Specification

WTP6 - Longerenong Results Discussion

Treated water tank outlet and all hydrants within Specification.

WTP7 - Huntly Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
15/11/2022	All results within Specification	No Hydrants Tested this Sample Run
01/12/2022	All results within Specification	All Hydrants within Specification
15/12/2022	All results within Specification	All Hydrants within Specification

WTP7 - Huntly Results Discussion

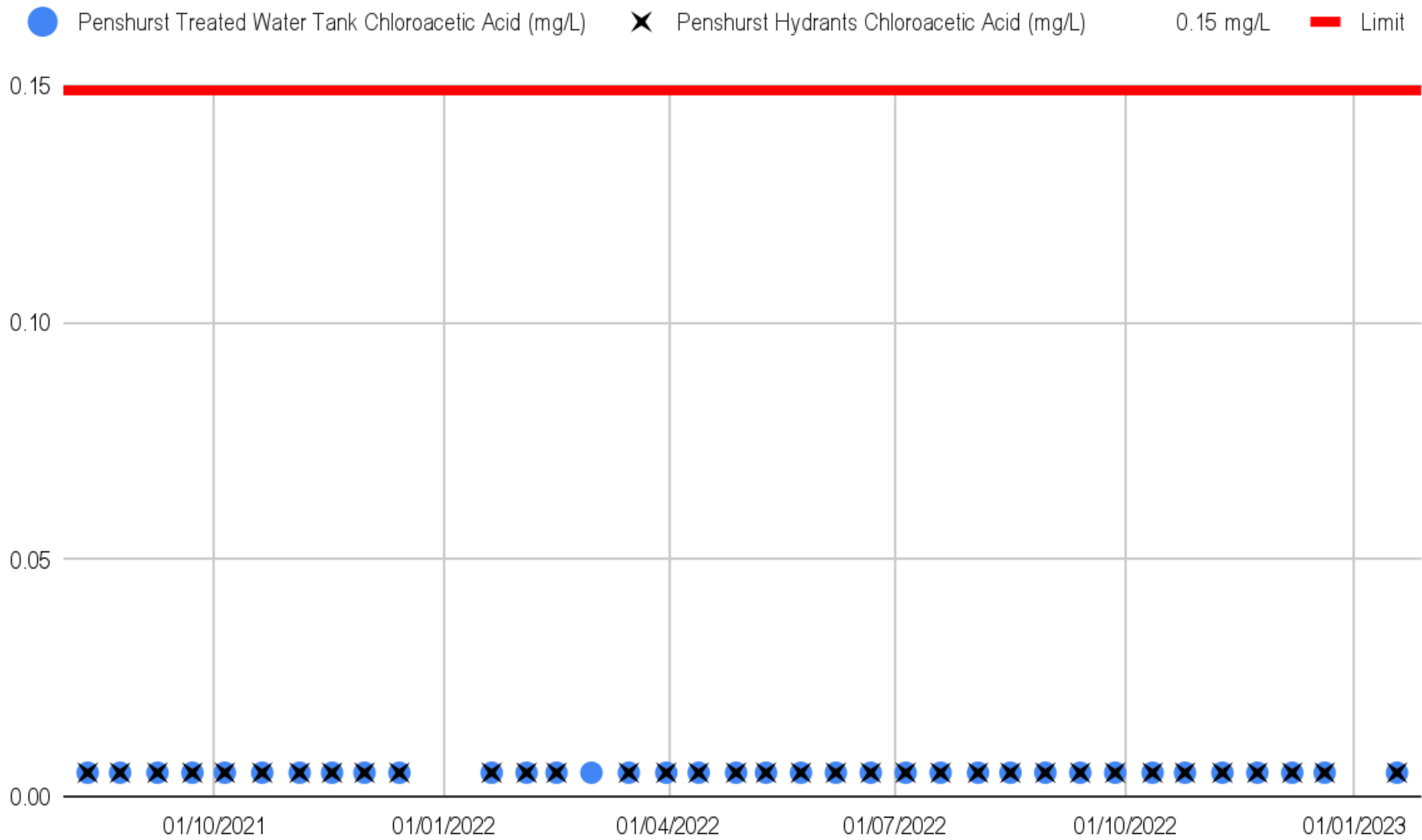
Treated water tank outlet and all hydrants within Specification.



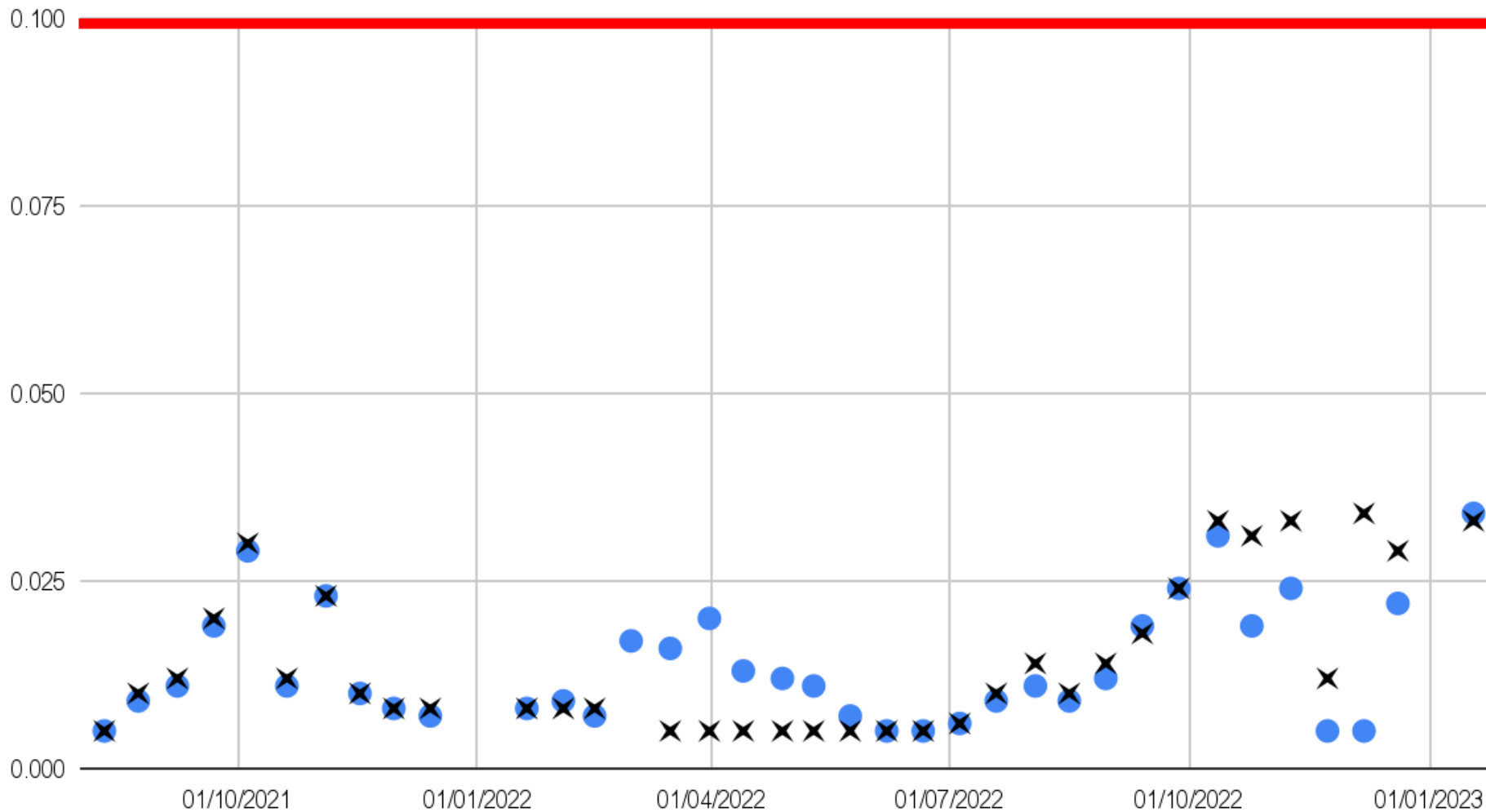
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Water Quality Charts

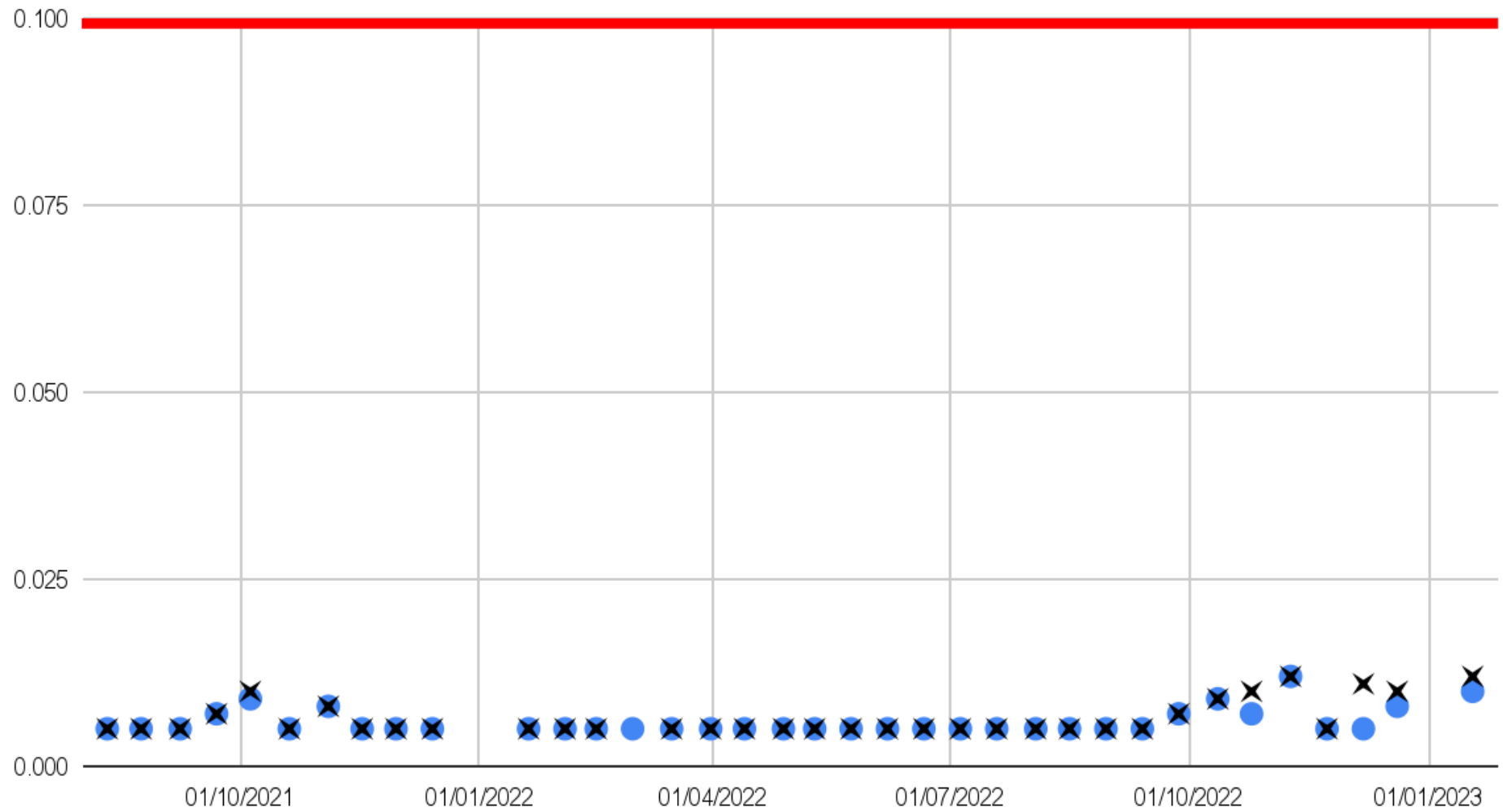
External Laboratory Results



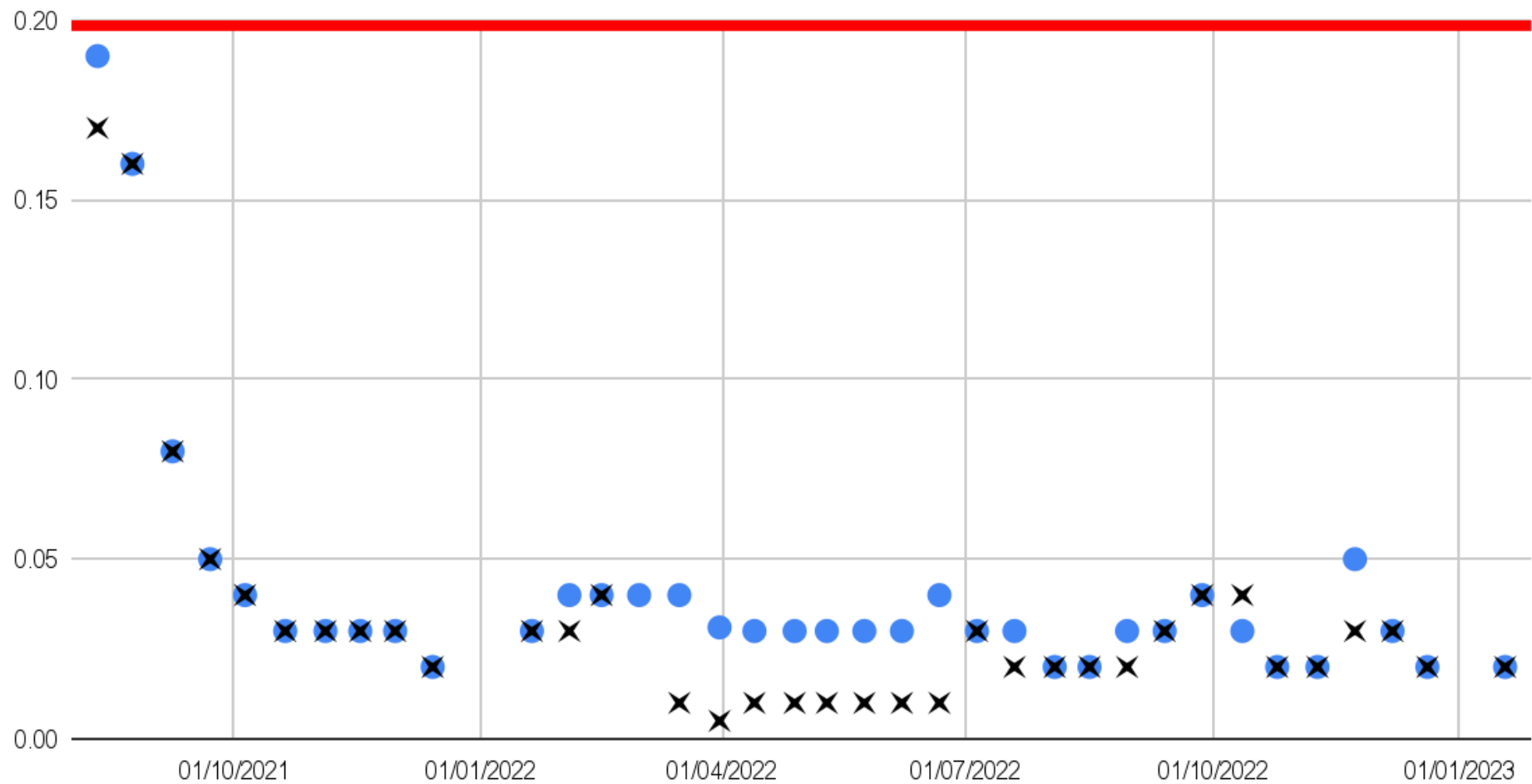
● Penshurst Treated Water Tank Dichloroacetic Acid (mg/L) ✕ Penshurst Hydrants Dichloroacetic Acid (mg/L) 0.1 mg/L ■ Limit

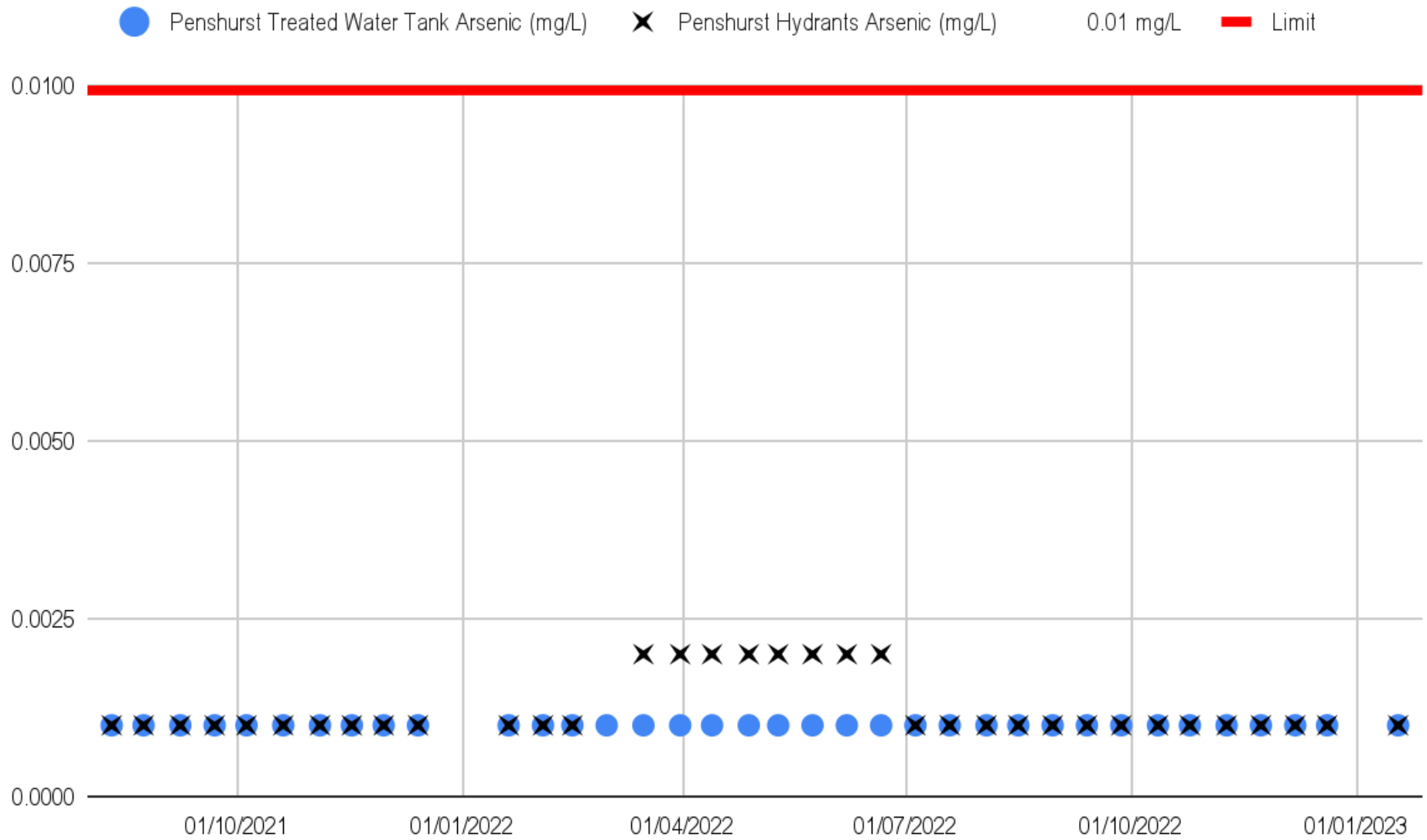


● Penshurst Treated Water Tank Trichloroacetic Acid (mg/L) ✕ Penshurst Hydrants Trichloroacetic Acid (mg/L) 0.1 mg/L — Limit

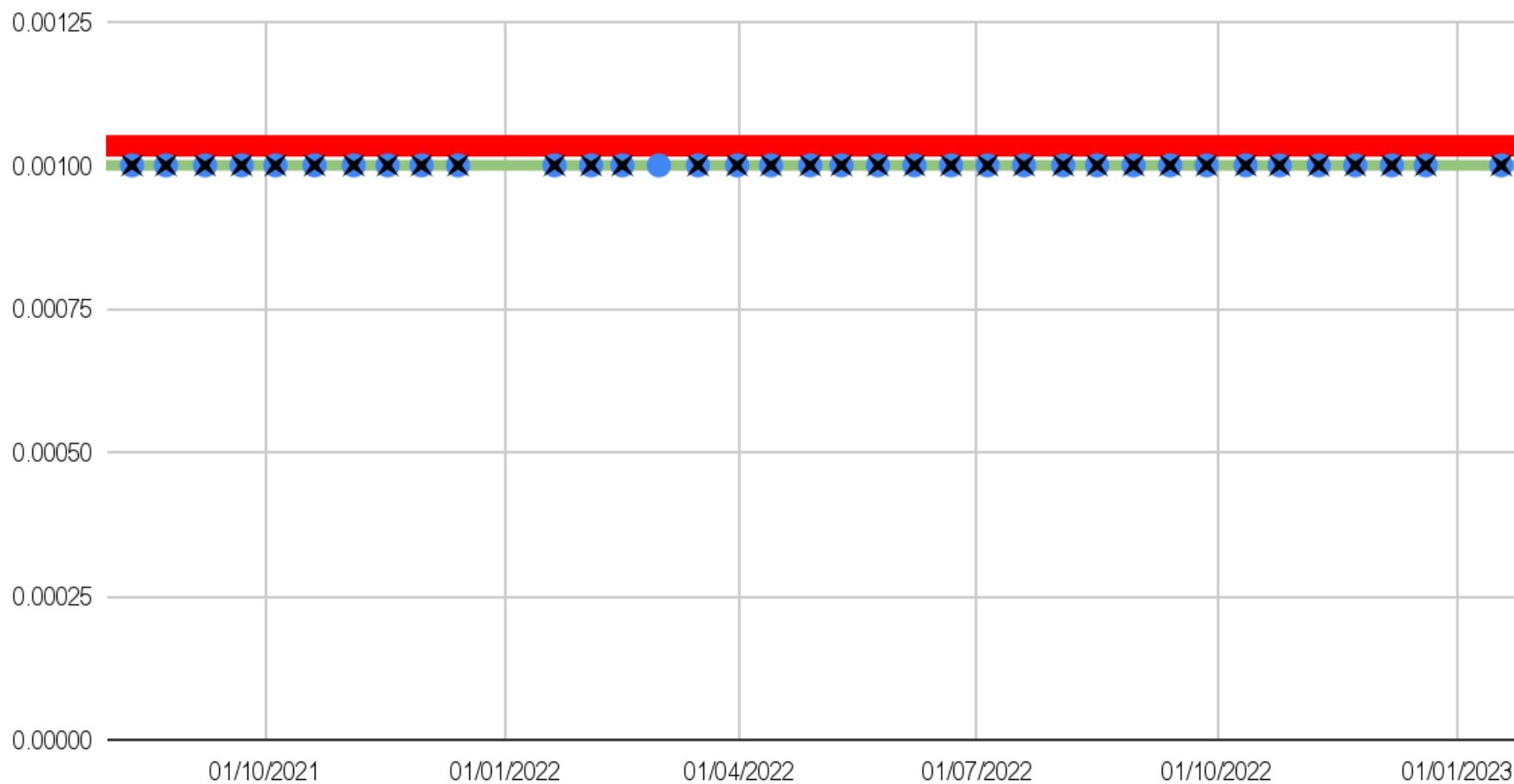


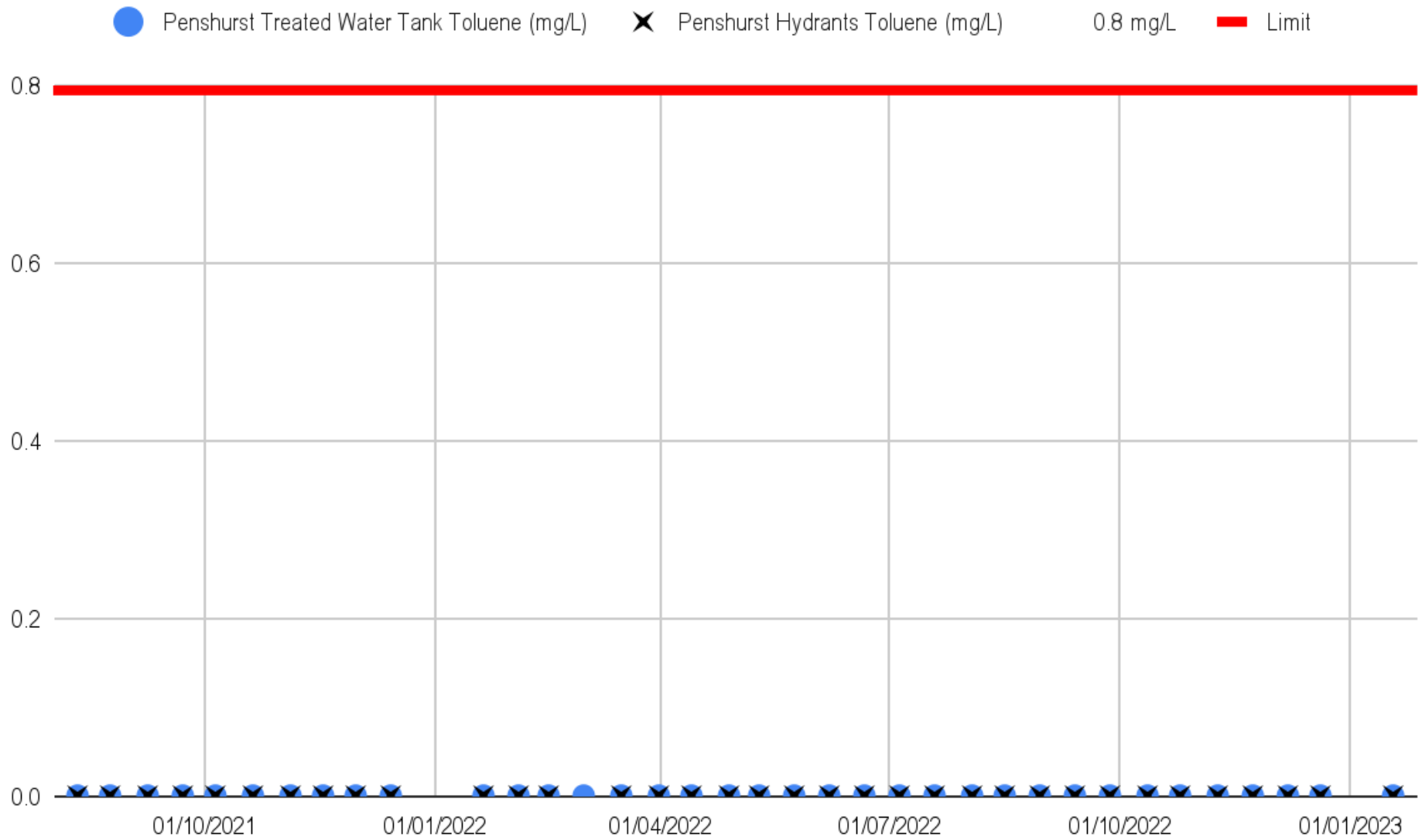
● Penshurst Treated Water Tank Acid Soluble Aluminium (mg/L) ✕ Penshurst Hydrants Acid Soluble Aluminium (mg/L) 0.2 mg/L
— Limit



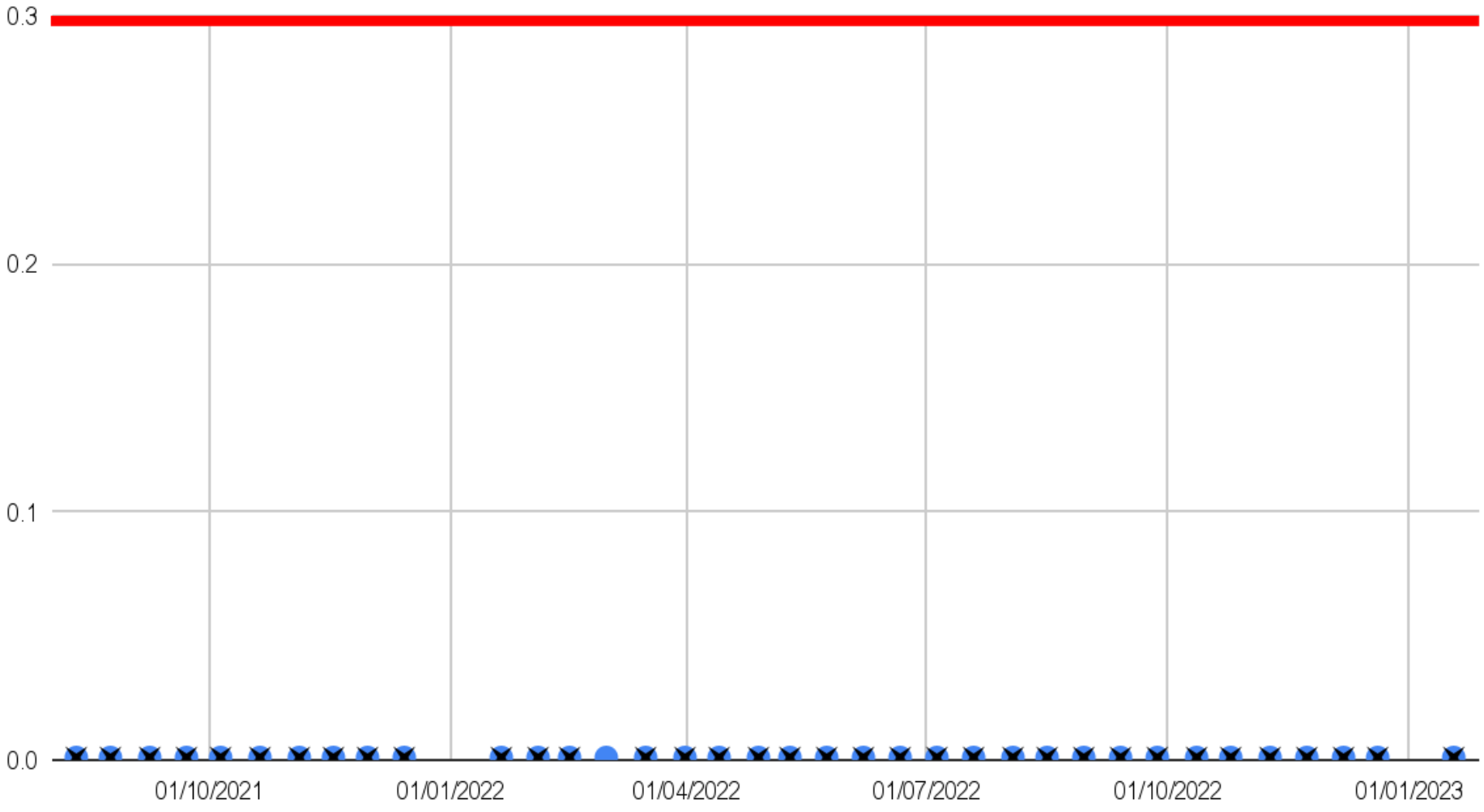


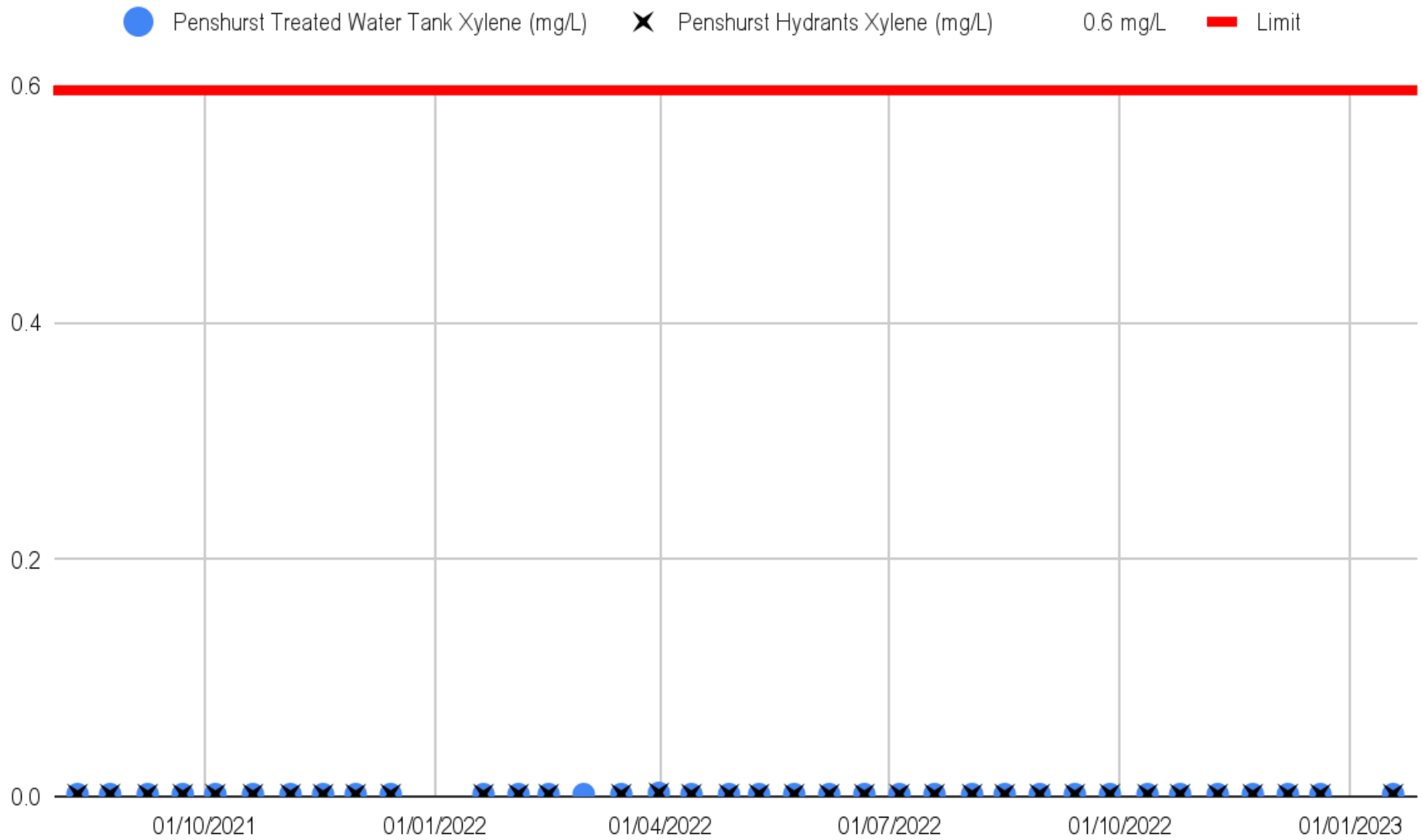
● Penshurst Treated Water Tank Benzene (mg/L) ✕ Penshurst Hydrants Benzene (mg/L) 0.001 mg/L — Limit
Non Detect Results —



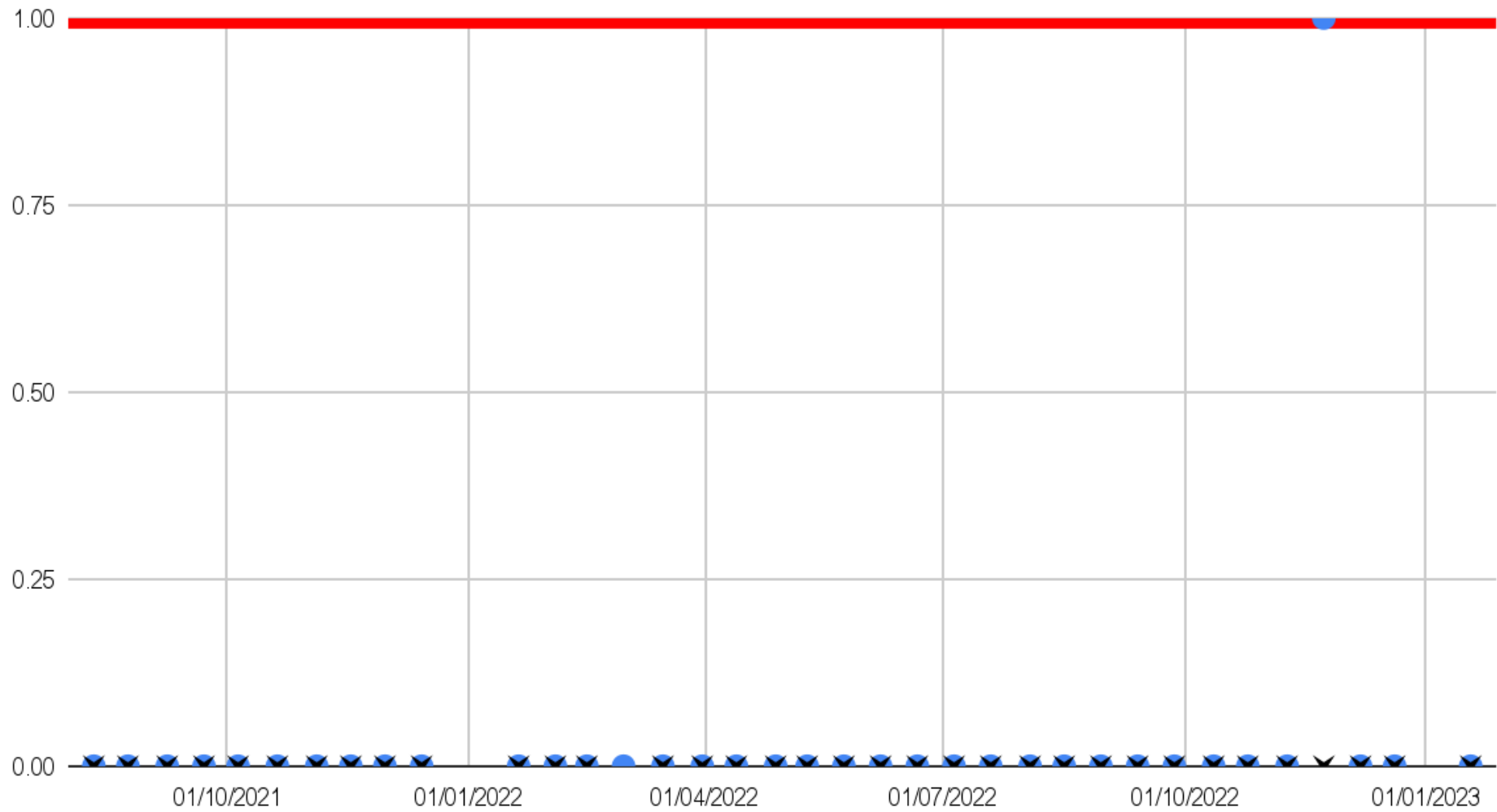


● Peshurst Treated Water Tank Ethylbenzene (mg/L) ✕ Peshurst Hydrants Ethylbenzene (mg/L) 0.3 mg/L — Limit

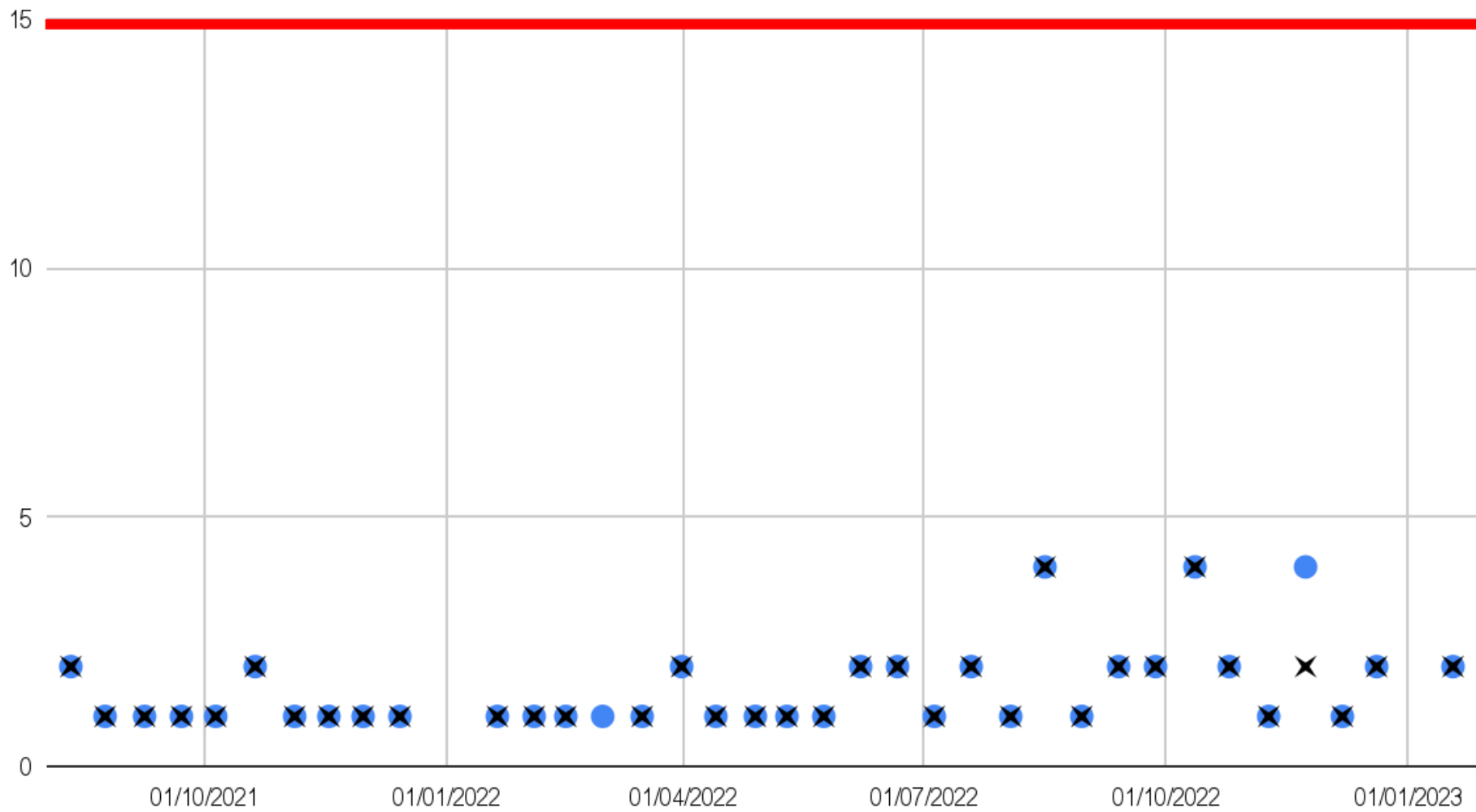


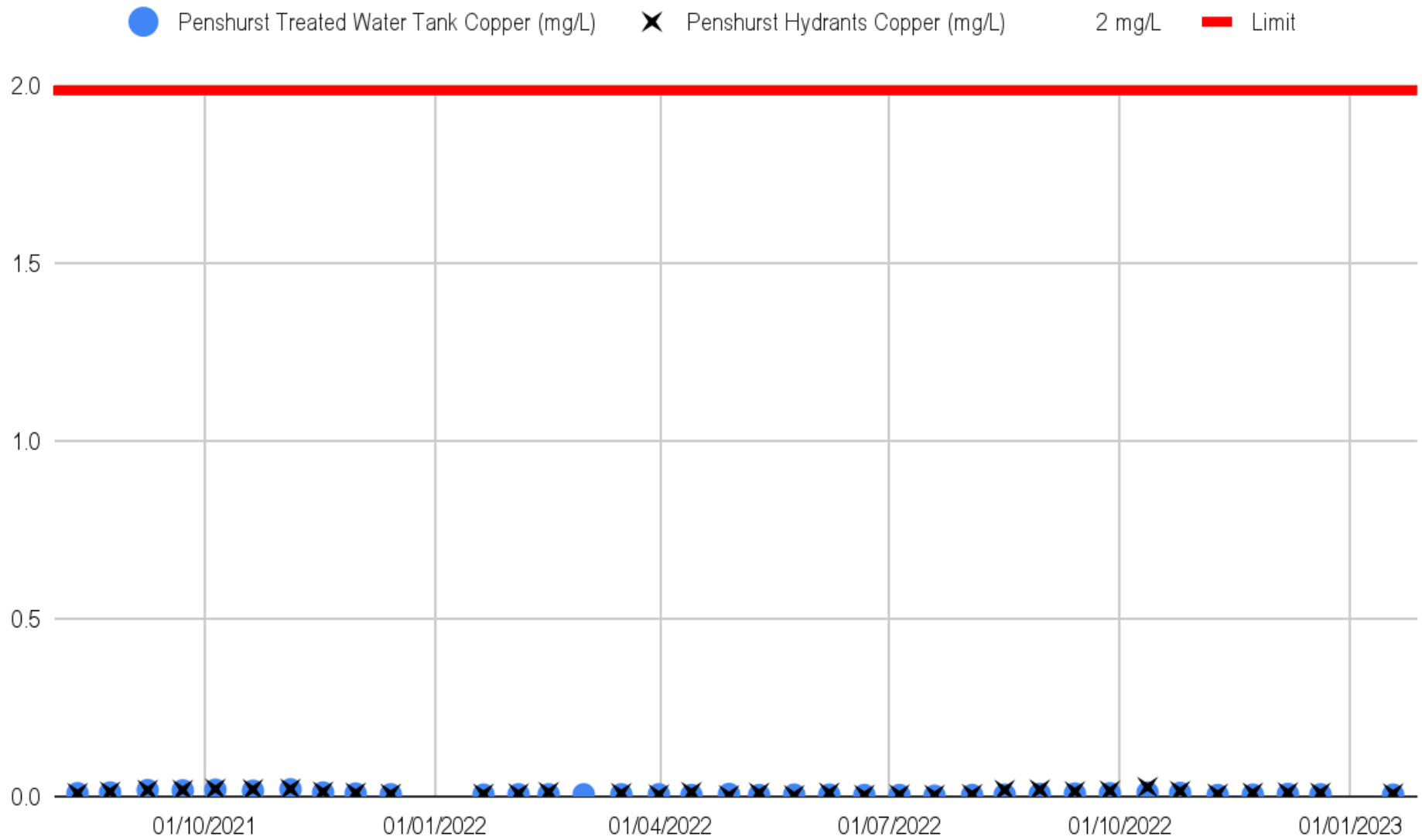


● Penshurst Treated Water Tank Coliforms (CFU/100mL) ✕ Penshurst Hydrants Coliforms (CFU/100mL) 1 cfu/100mL — Limit

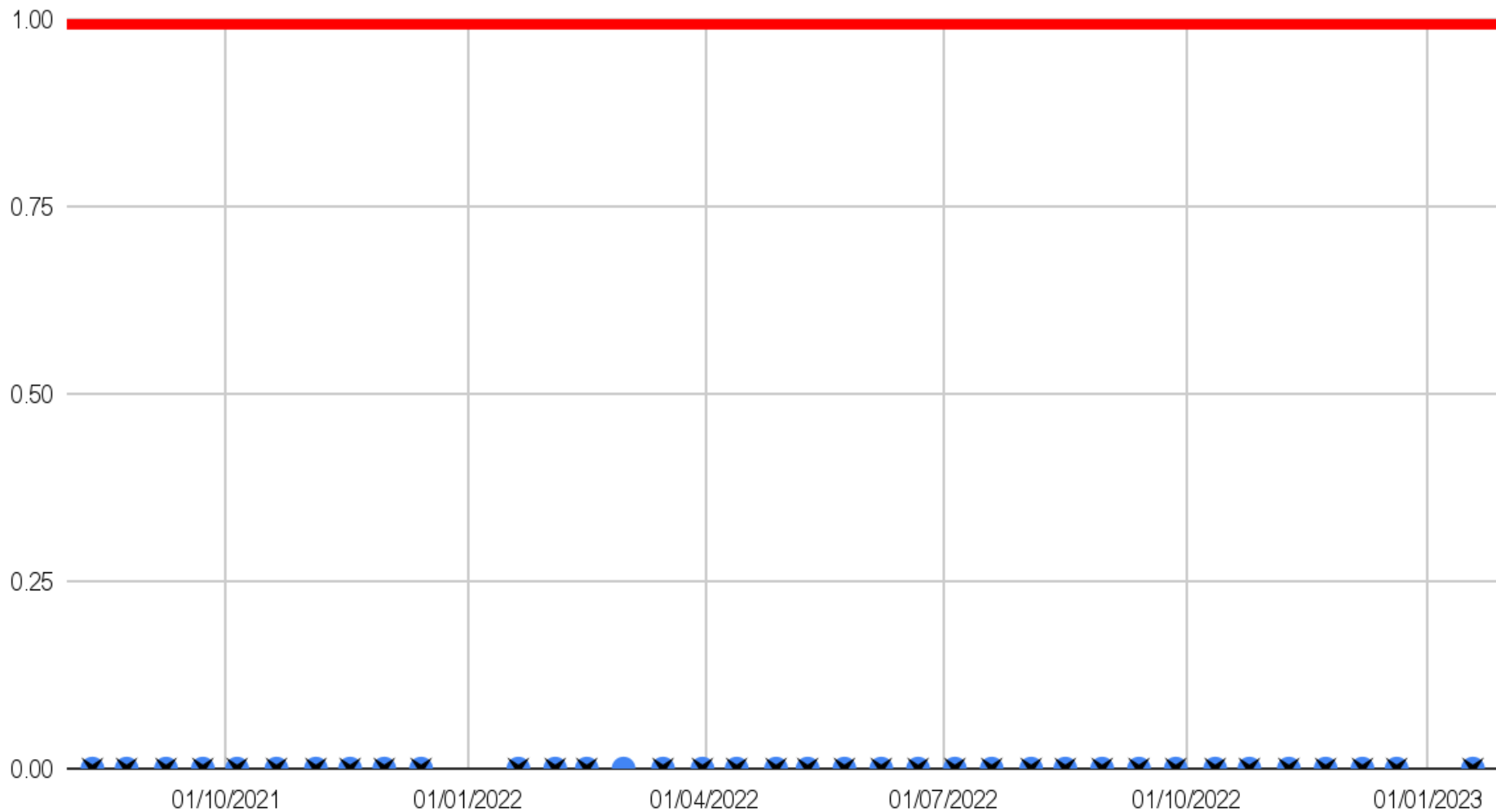


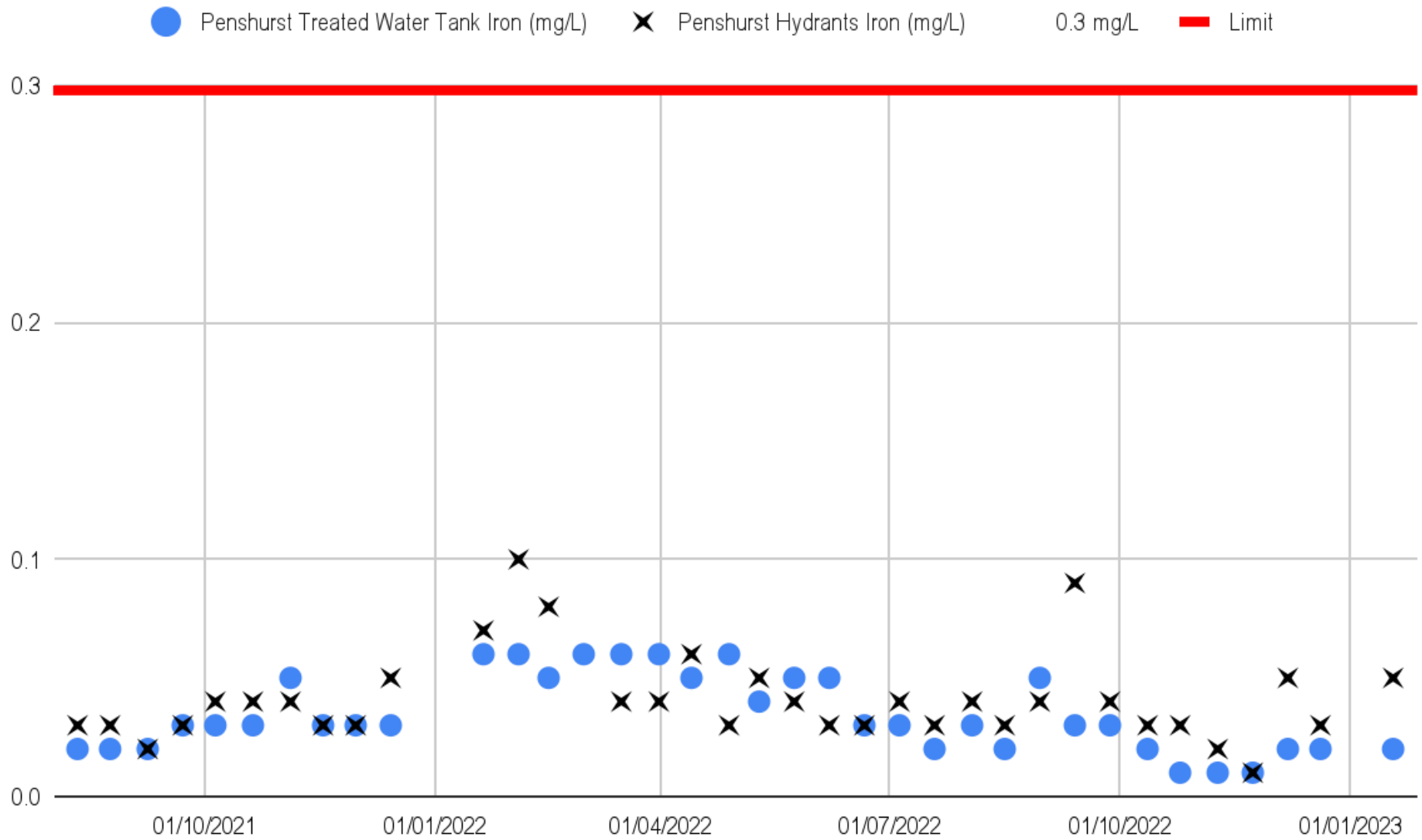
● Penshurst Treated Water Tank Colour (Pt/Co) ✕ Penshurst Hydrants Colour (Pt/Co) 15 Pt/Co — Limit



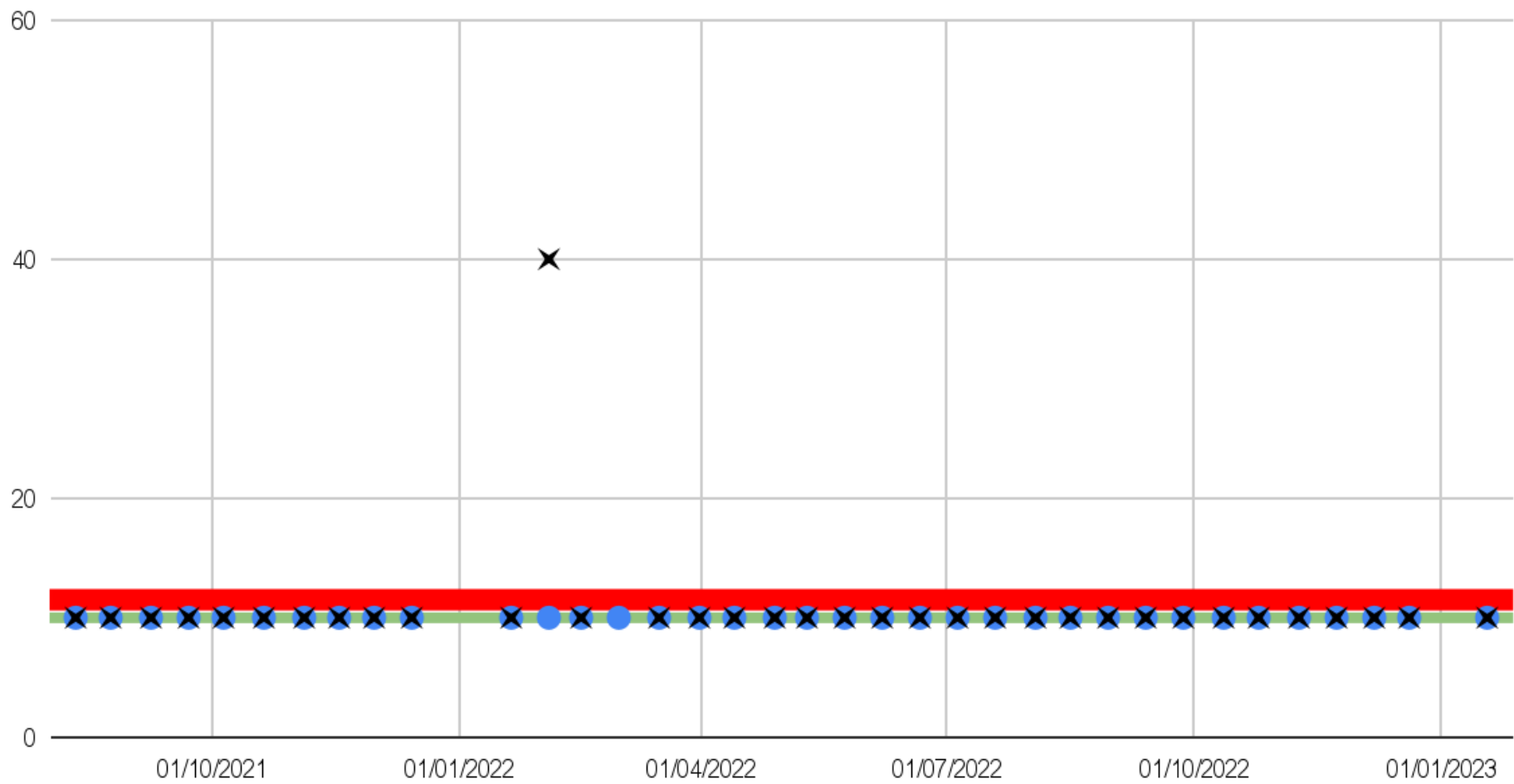


● Penshurst Treated Water Tank E.coli (CFU/100mL) ✕ Penshurst Hydrants E.coli (CFU/100mL) 1 cfu/100mL — Limit

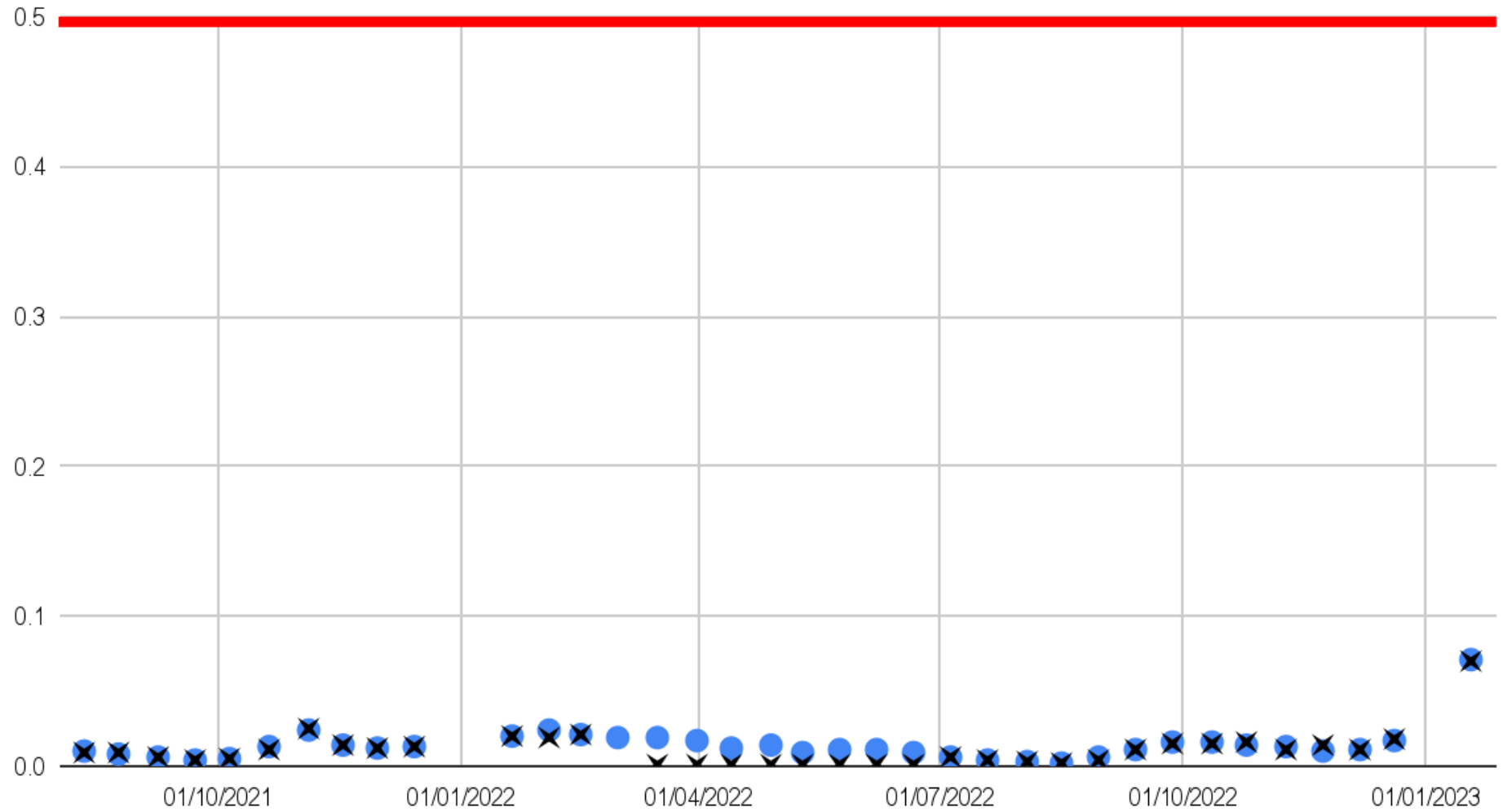




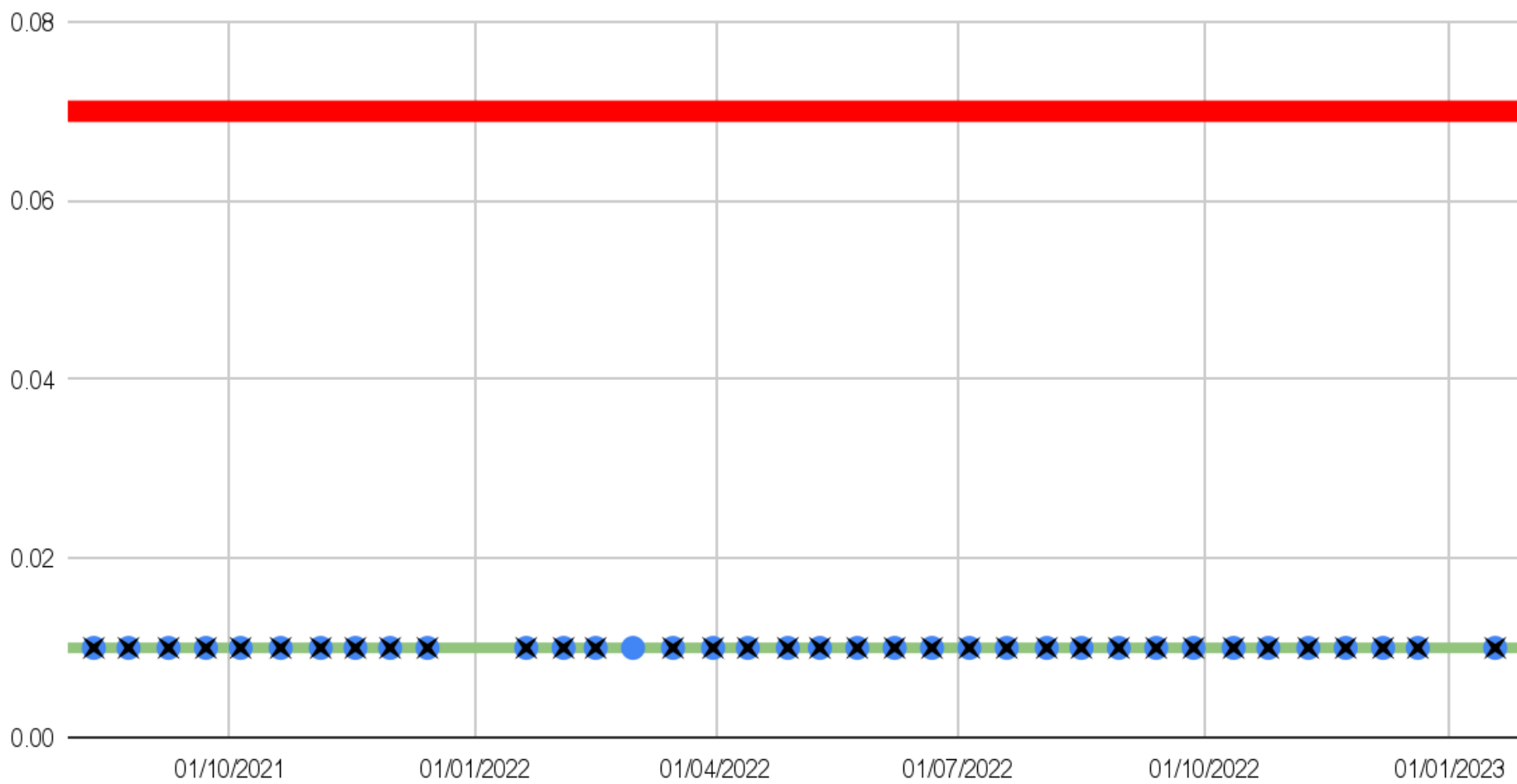
● Penshurst Treated Water Tank Legionella spp (CFU/mL) ✕ Penshurst Hydrants Legionella spp (CFU/mL) 10 cfu/mL ■ Limit
Non Detect Results —



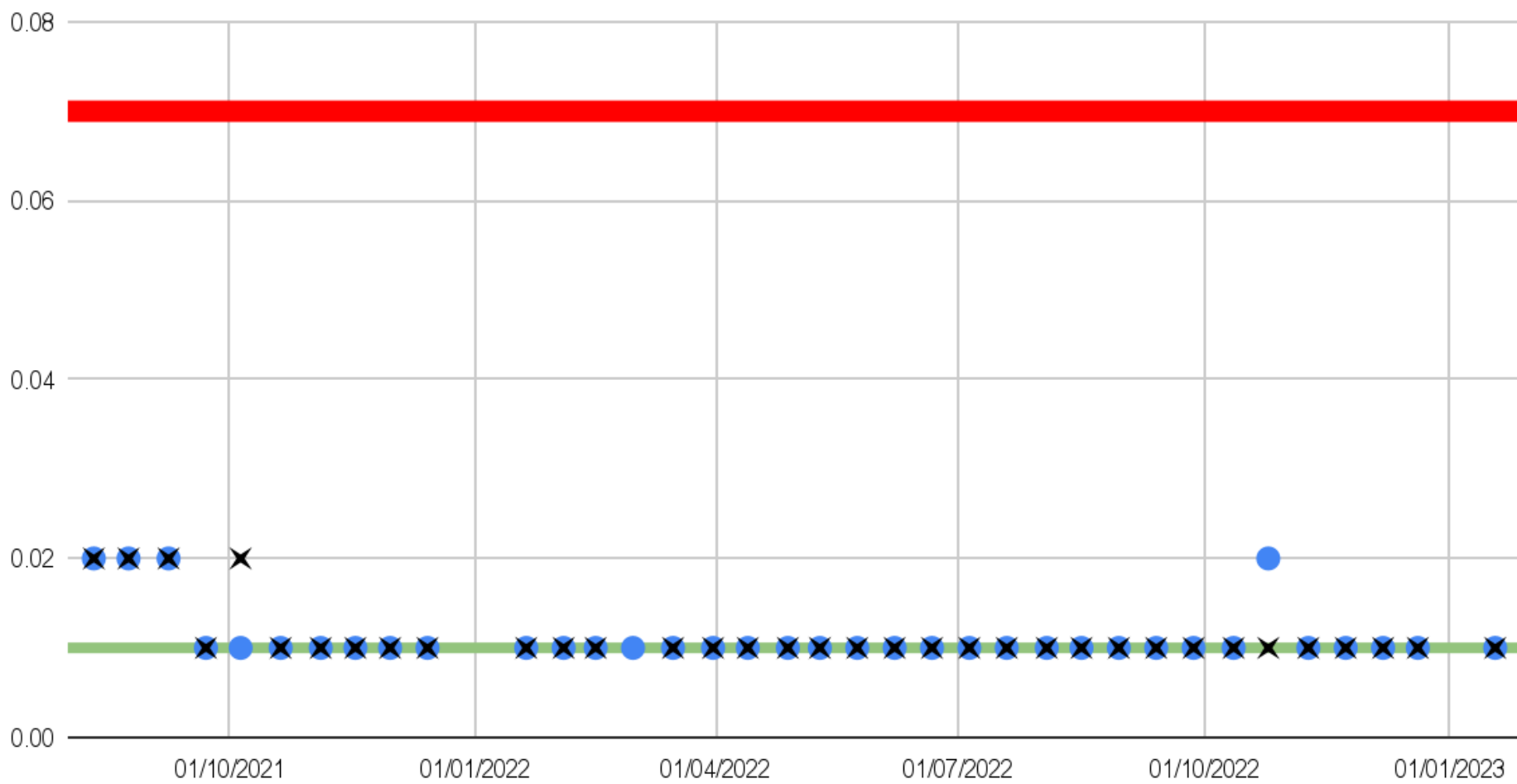
● Penshurst Treated Water Tank Manganese (mg/L) ✕ Penshurst Hydrants Manganese (mg/L) 0.5 mg/L ■ Limit



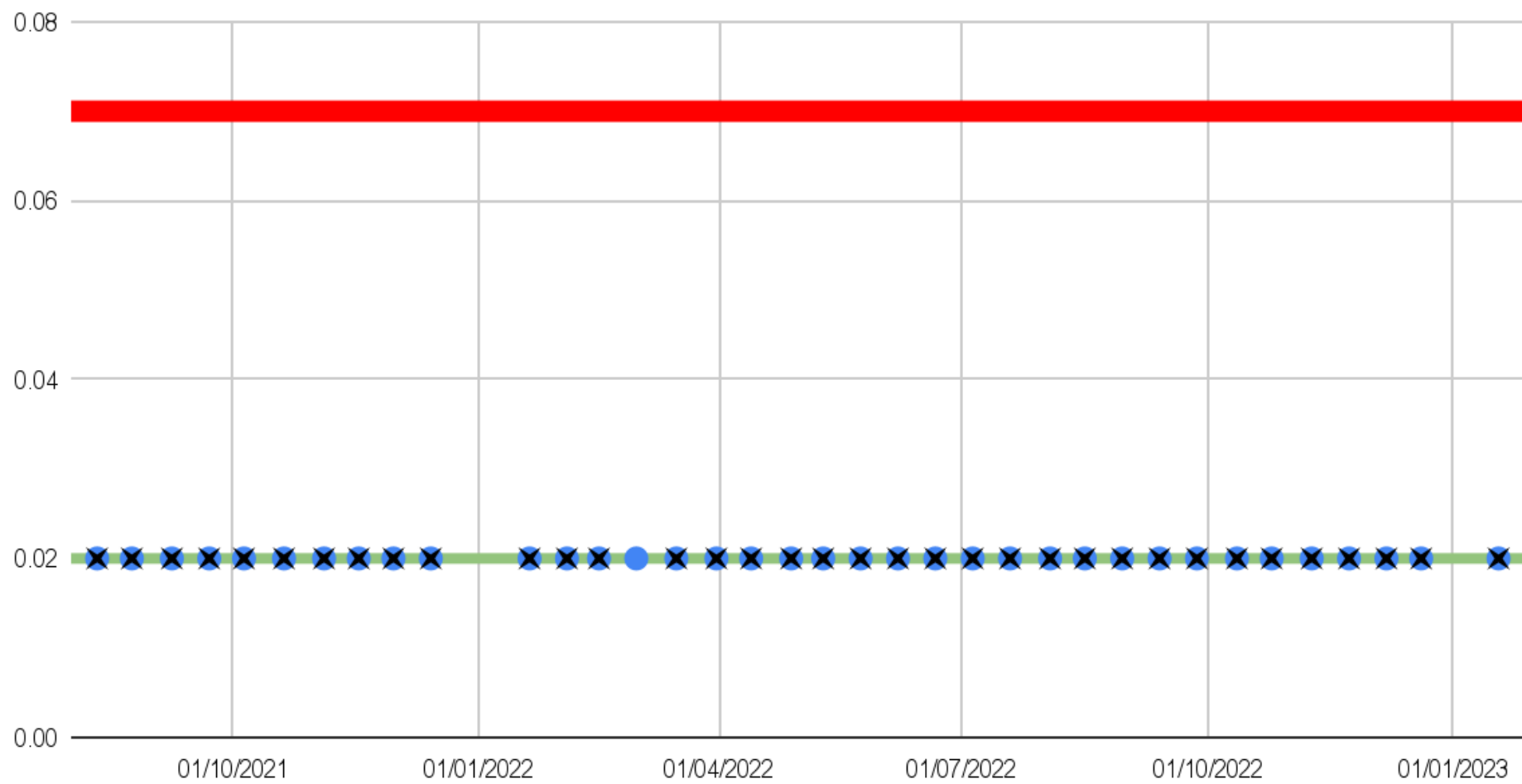
● Penshurst Treated Water Tank PFOA ($\mu\text{g/L}$) ✕ Penshurst Hydrants PFOA ($\mu\text{g/L}$) PFOA + PFOS $0.07 \mu\text{g/L}$ — Limit
Non Detect Results —



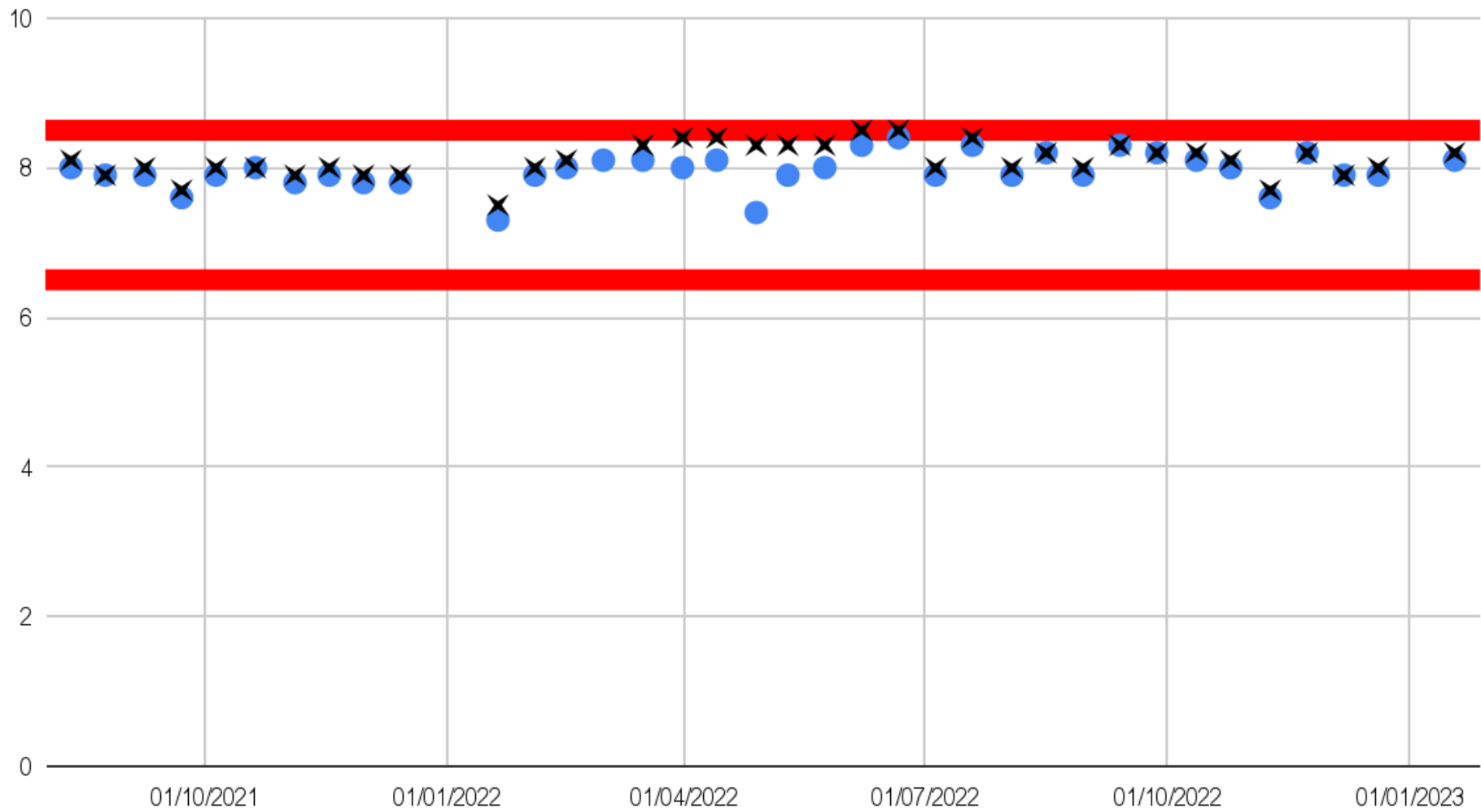
● Penshurst Treated Water Tank PFOS ($\mu\text{g/L}$) ✕ Penshurst Hydrants PFOS ($\mu\text{g/L}$) PFOA + PFOS $0.07 \mu\text{g/L}$ — Limit
Non Detect Results —

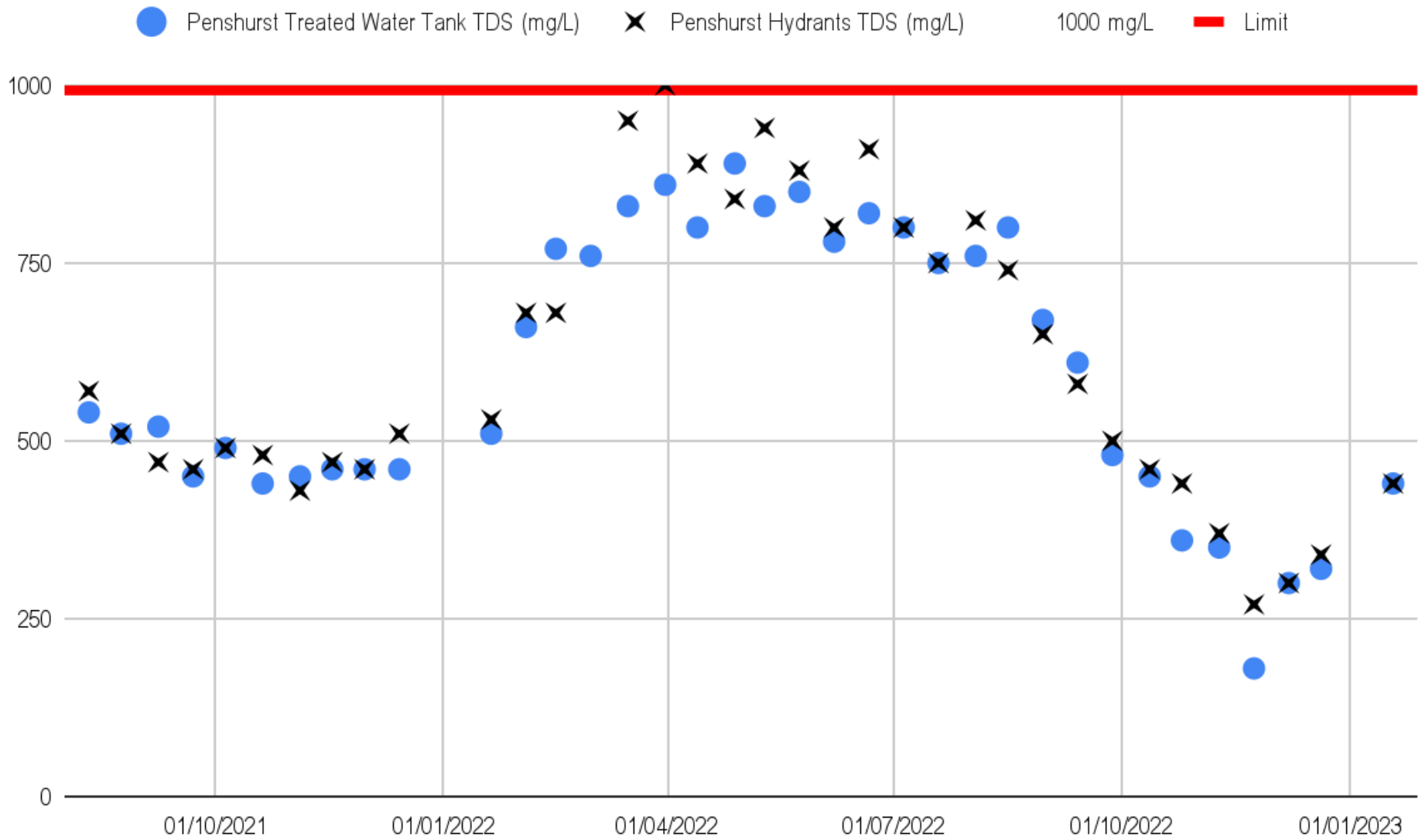


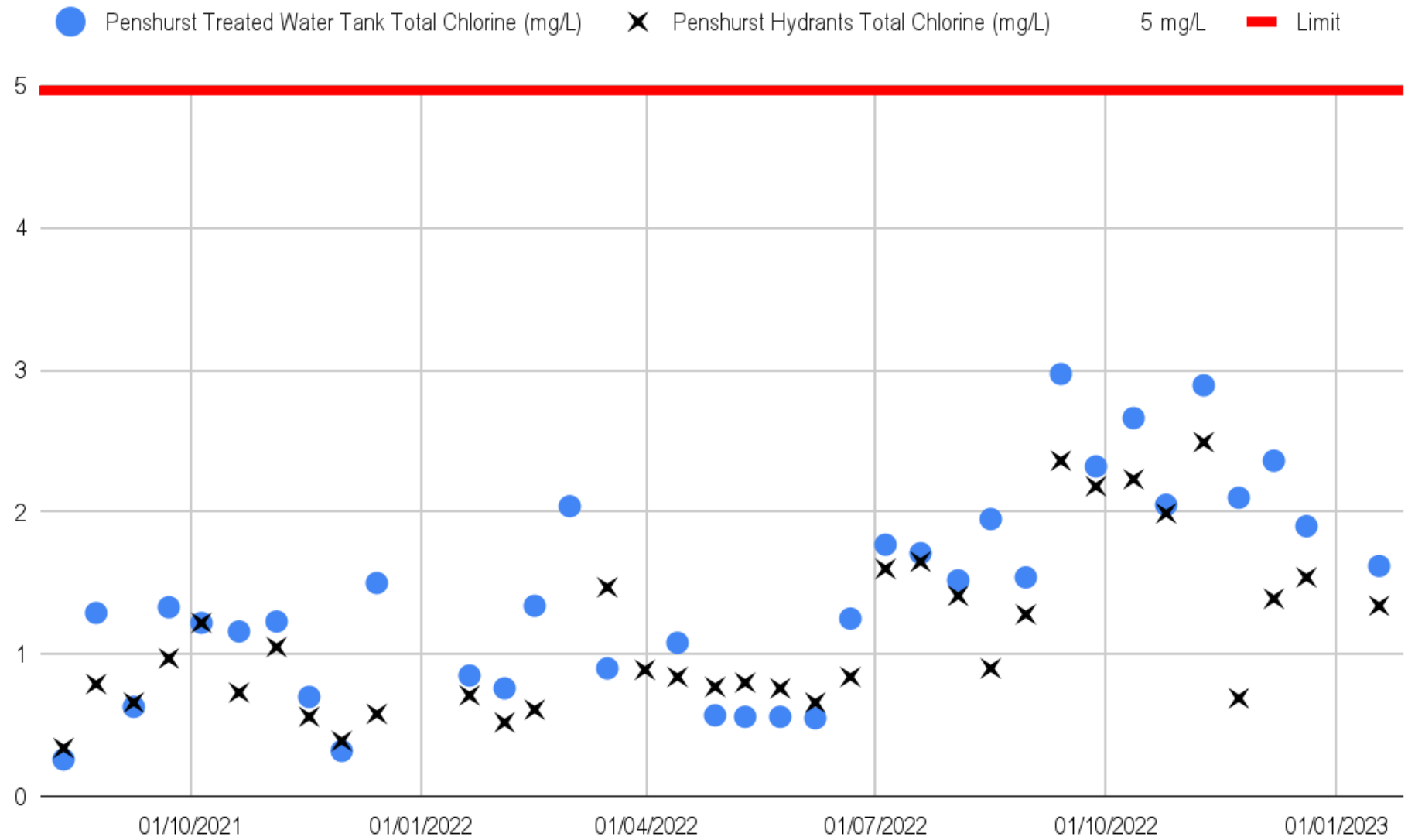
● Penshurst Treated Water Tank PFHxS ($\mu\text{g/L}$) ✕ Penshurst Hydrants PFHxS ($\mu\text{g/L}$) PFOS + PFHxS 0.07 $\mu\text{g/L}$ ■ Limit
Non Detect Results —

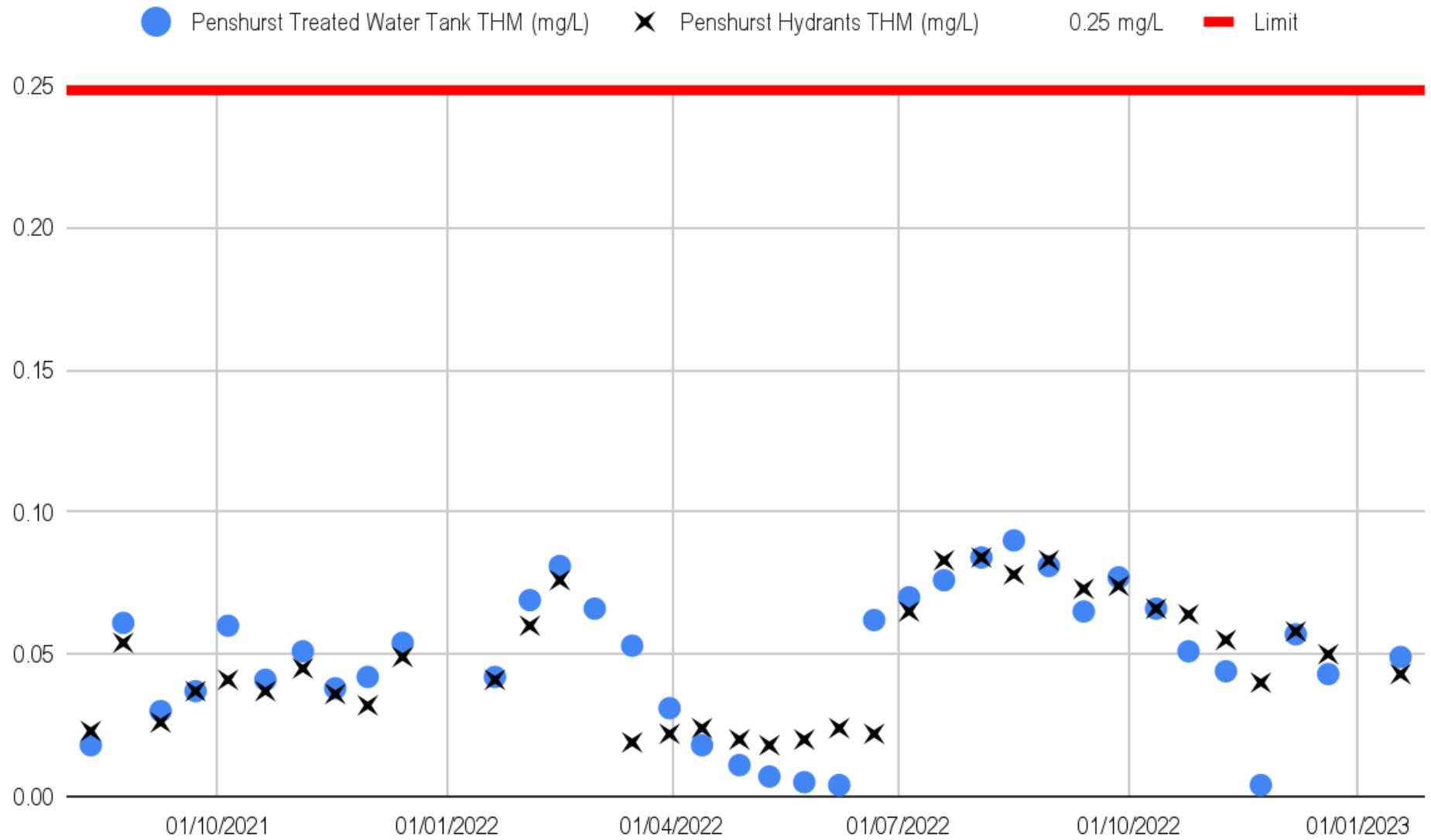


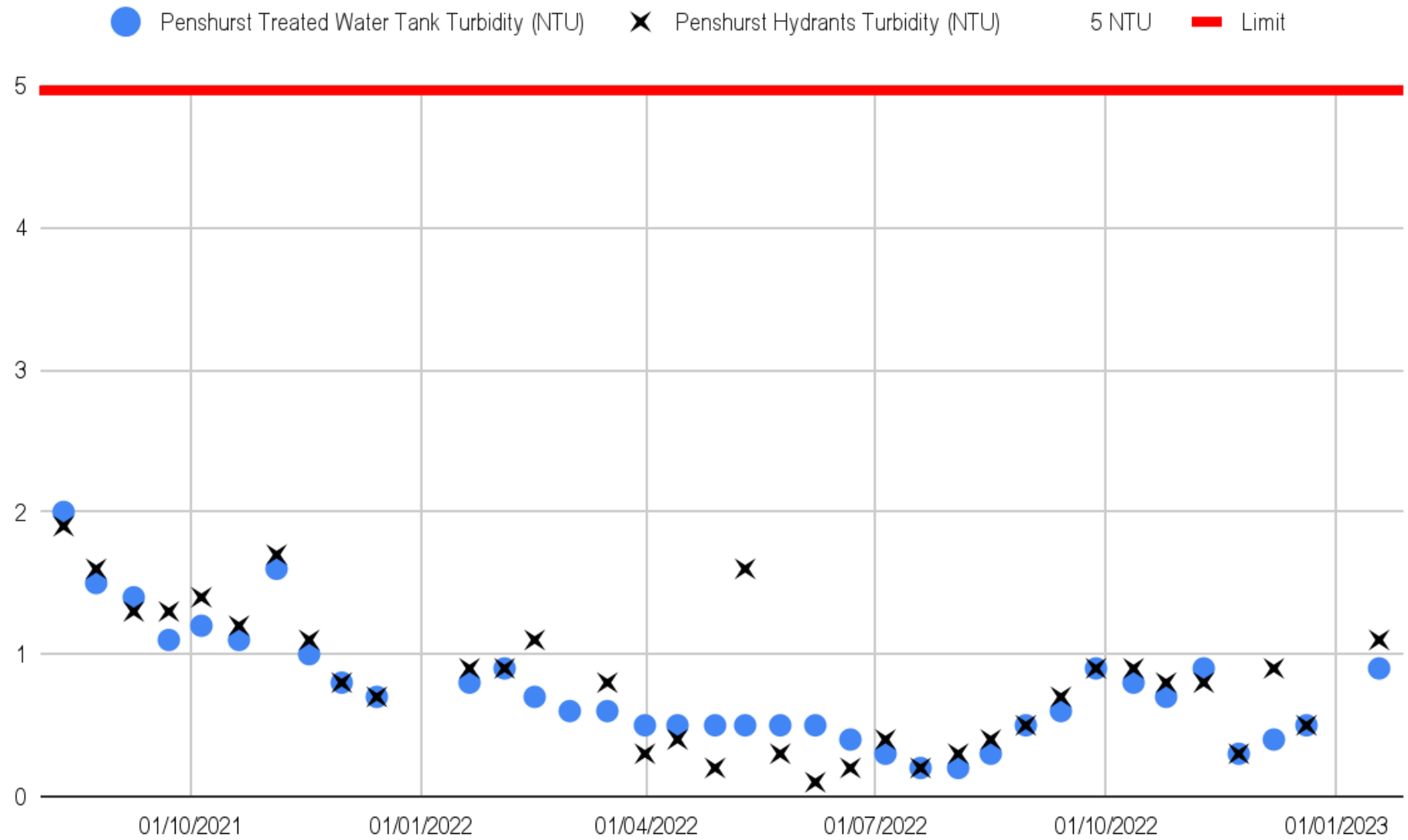
● Penshurst Treated Water Tank pH (-) ✕ Penshurst Hydrants pH (-) 6.5 Limit 8.5 Limit



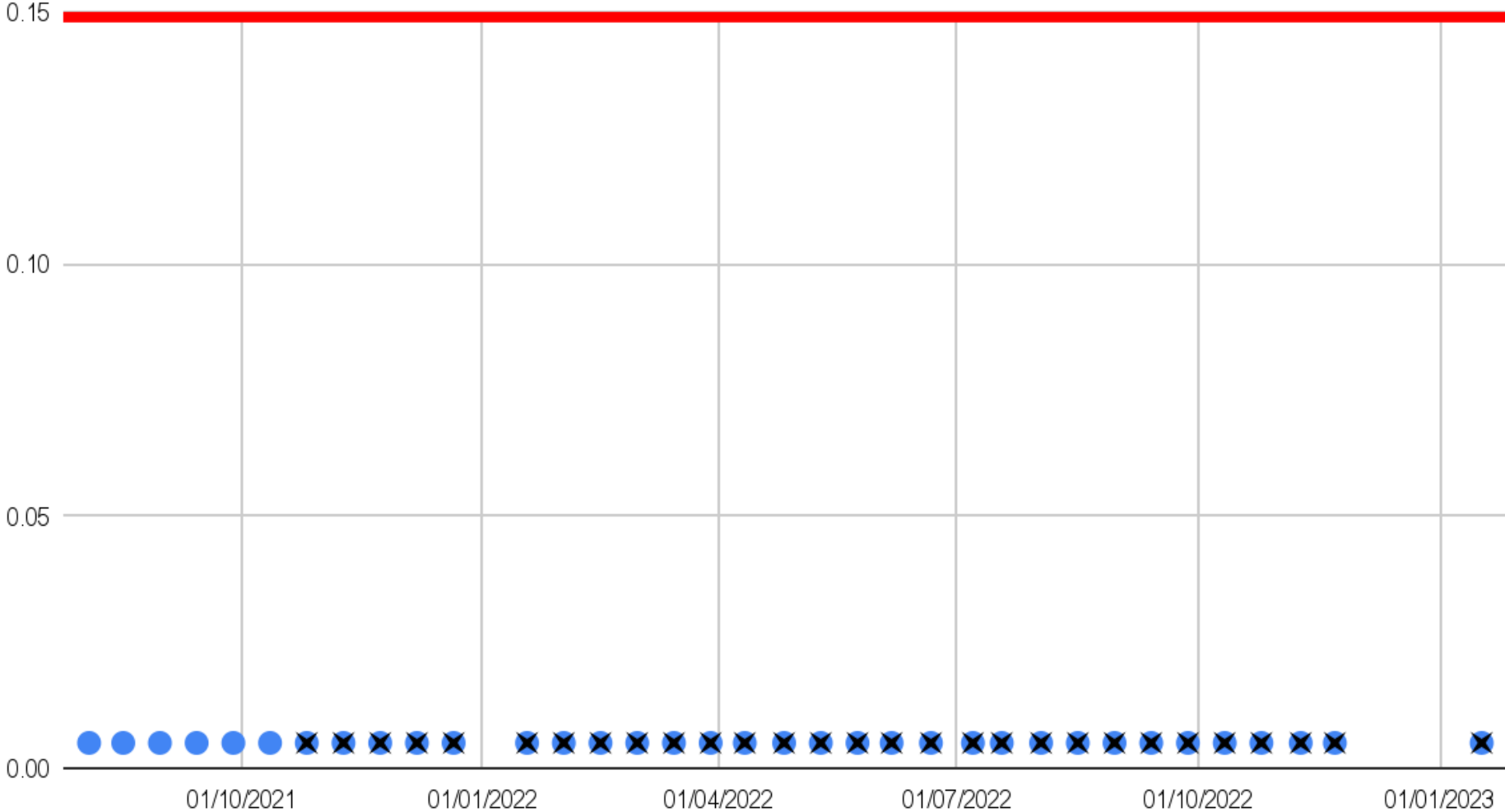


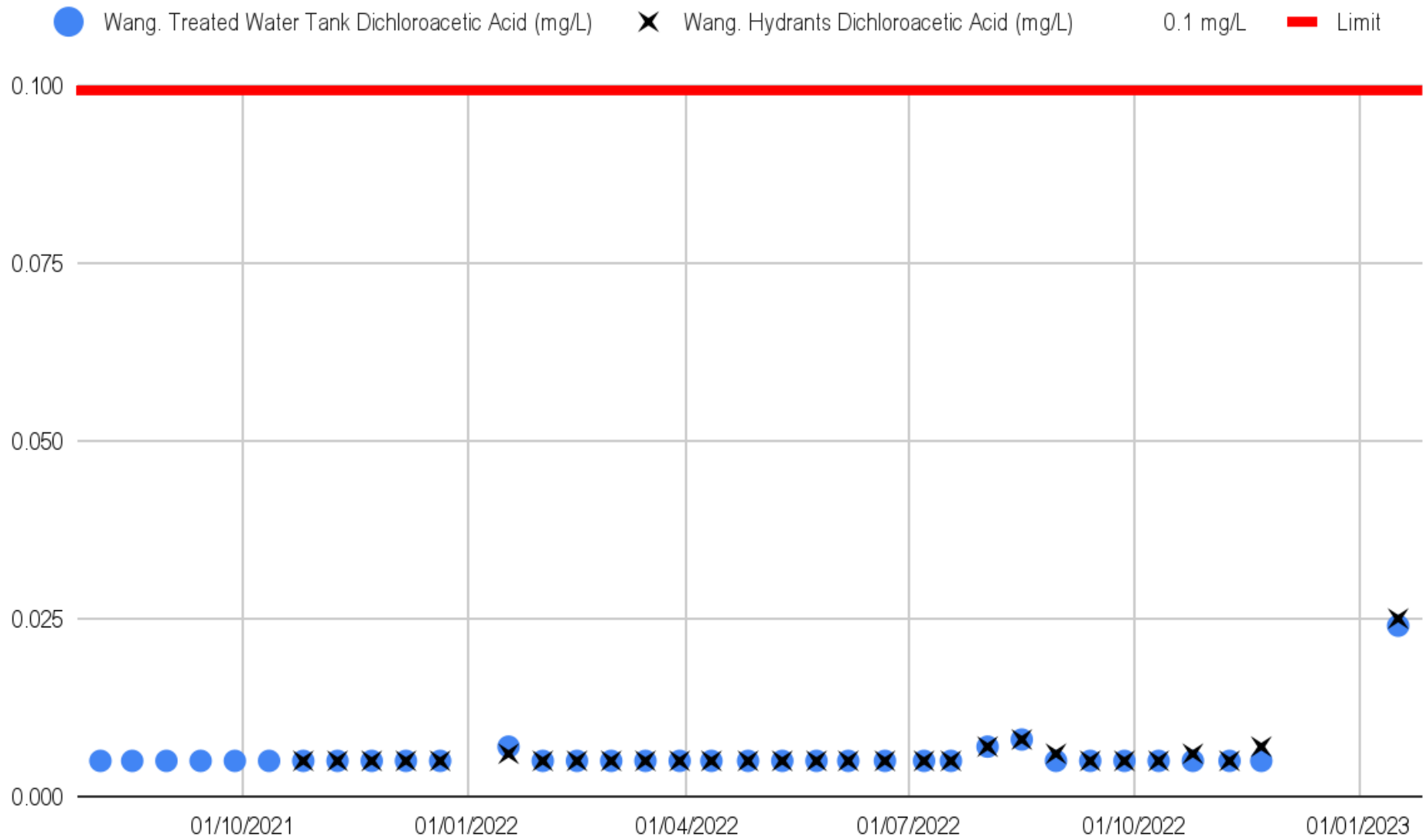




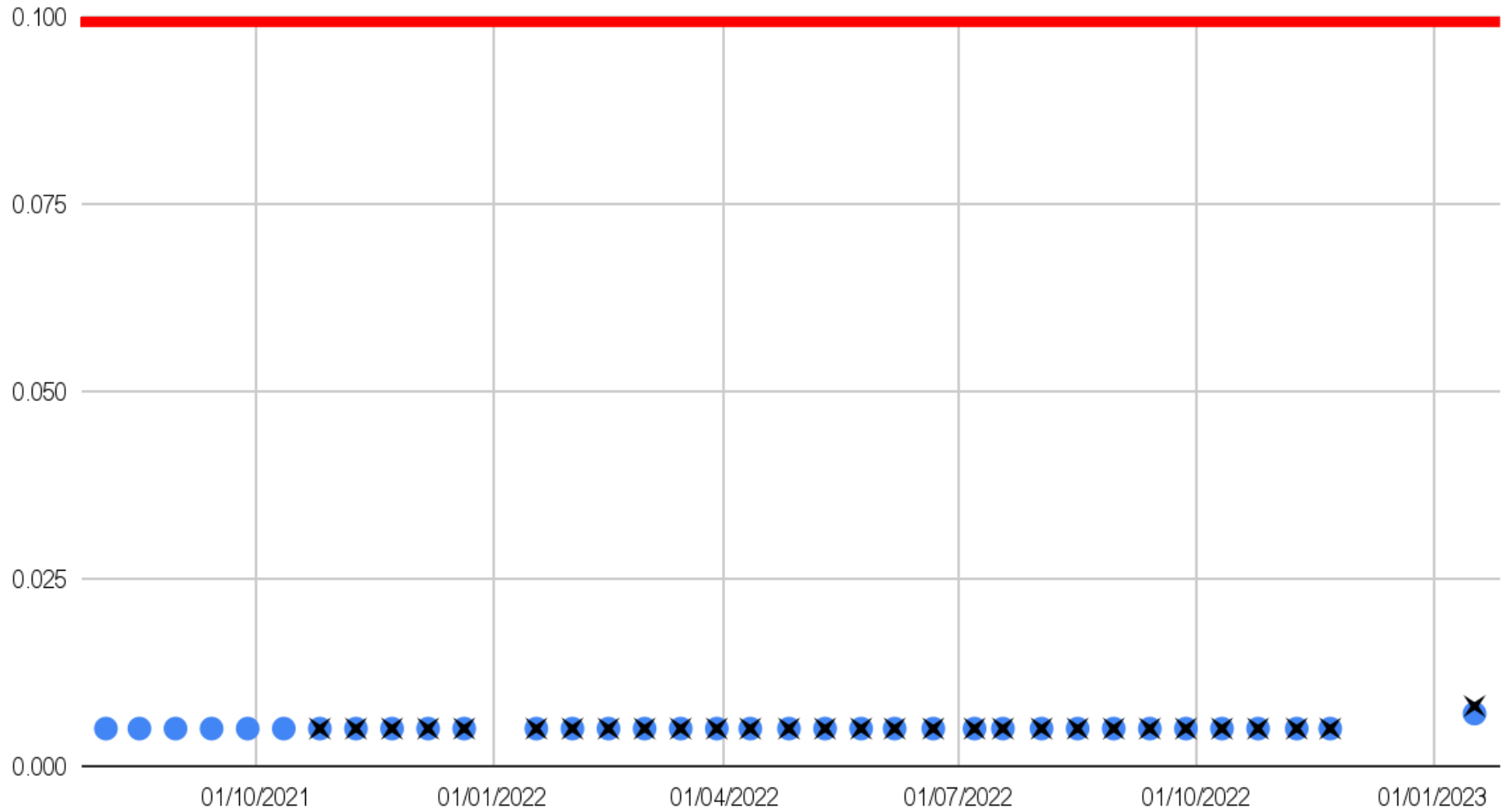


● Wang. Treated Water Tank Chloroacetic Acid (mg/L) ✕ Wang. Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L — Limit

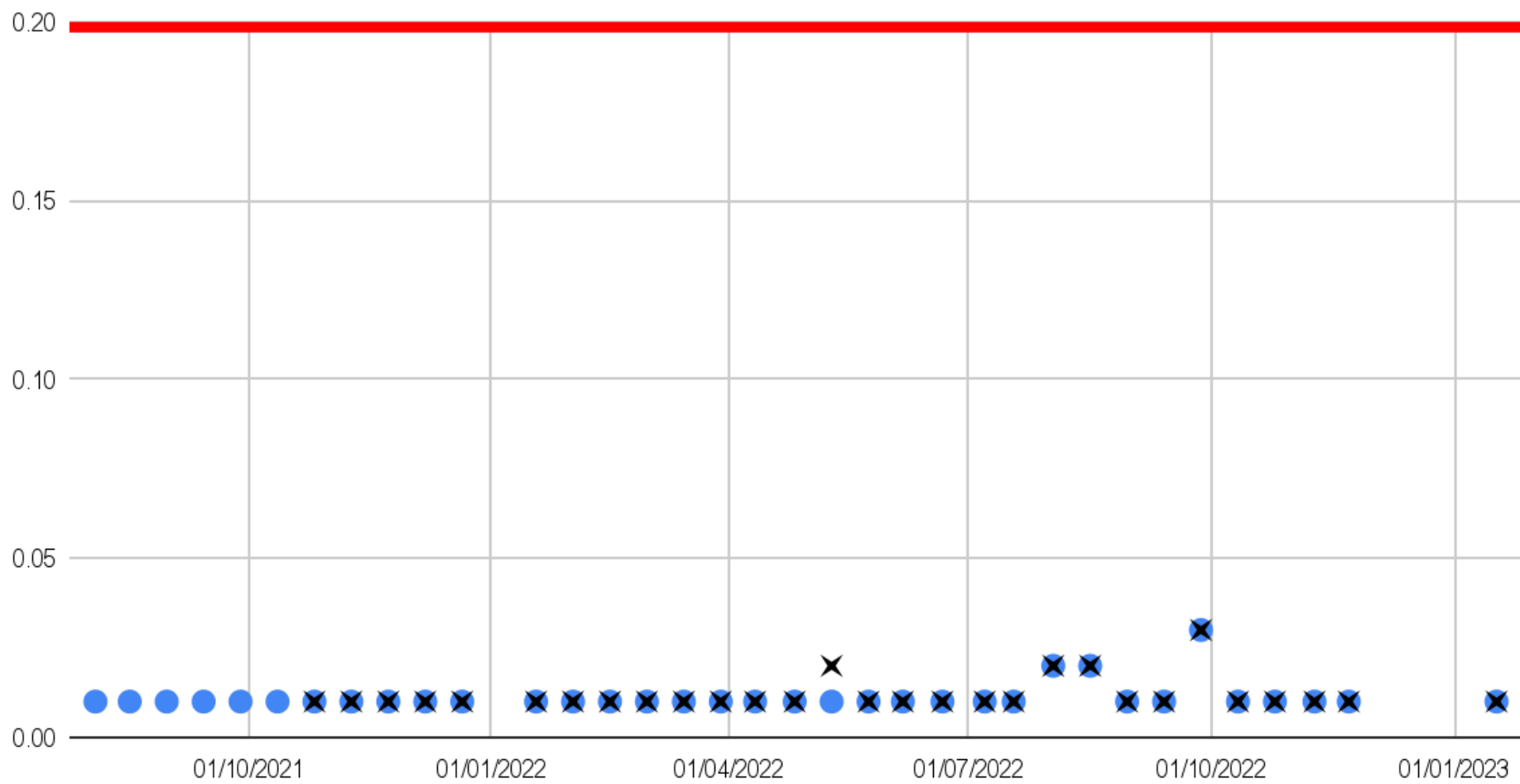


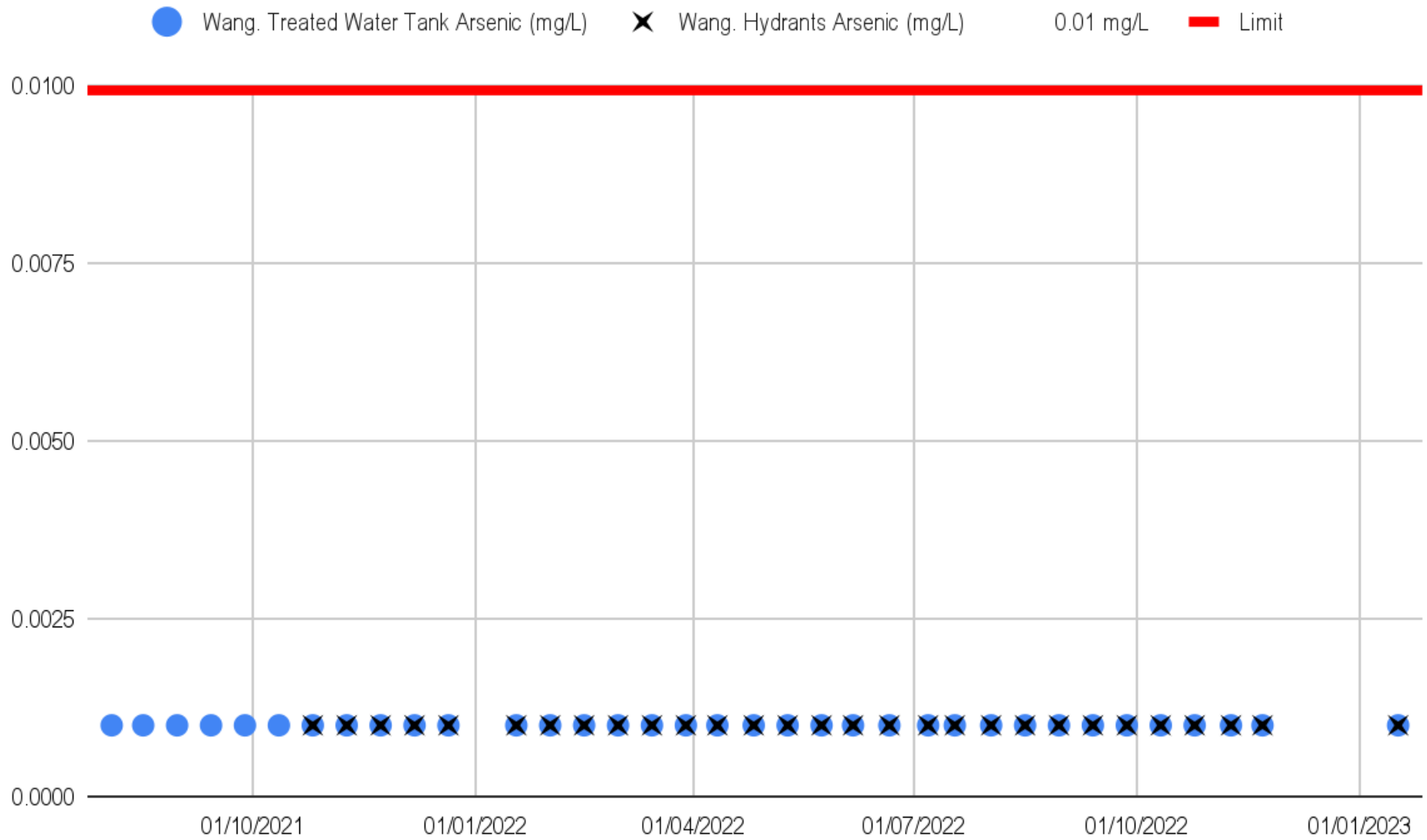


● Wang. Treated Water Tank Trichloroacetic Acid (mg/L) ✕ Wang. Hydrants Trichloroacetic Acid (mg/L) 0.1 mg/L — Limit

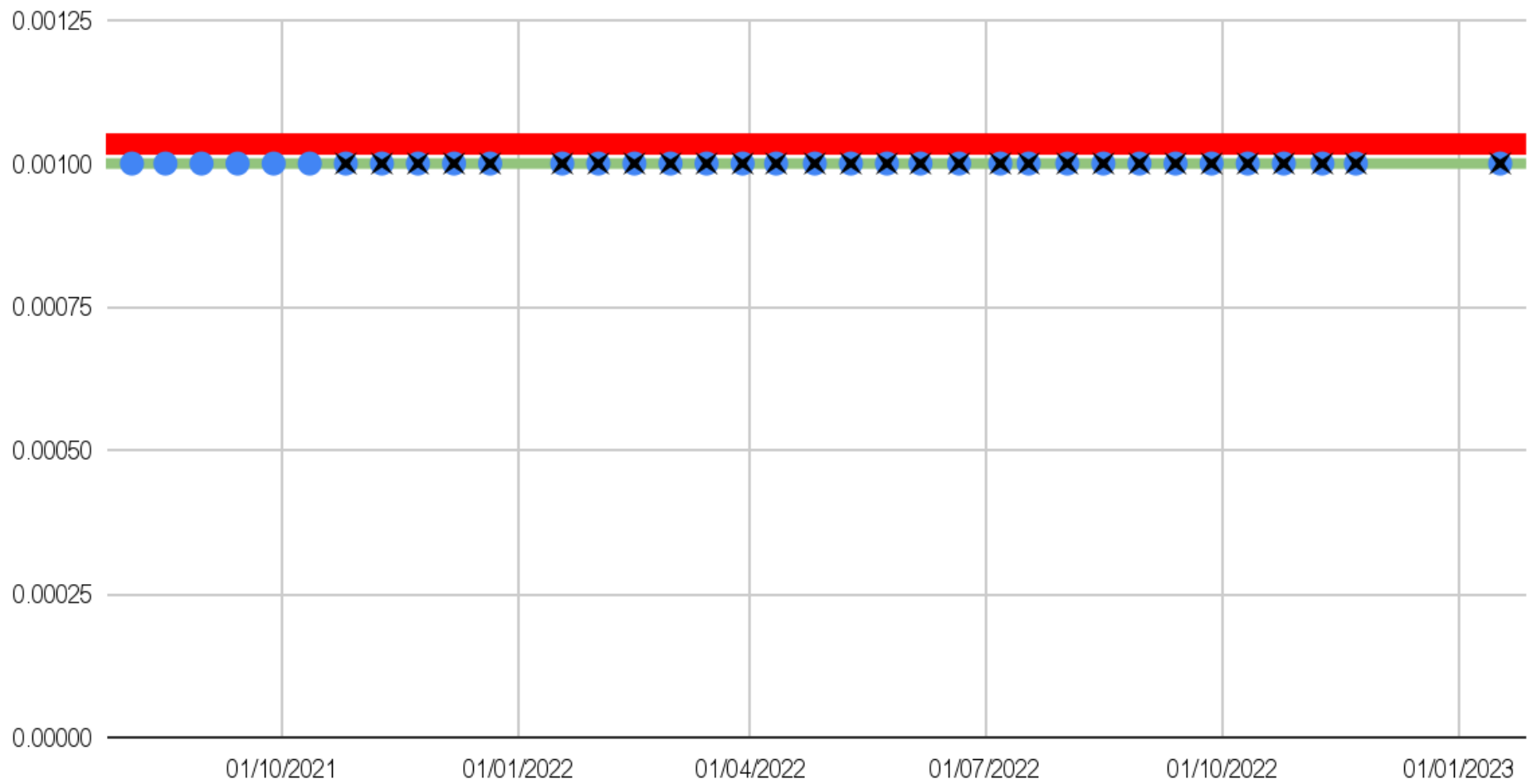


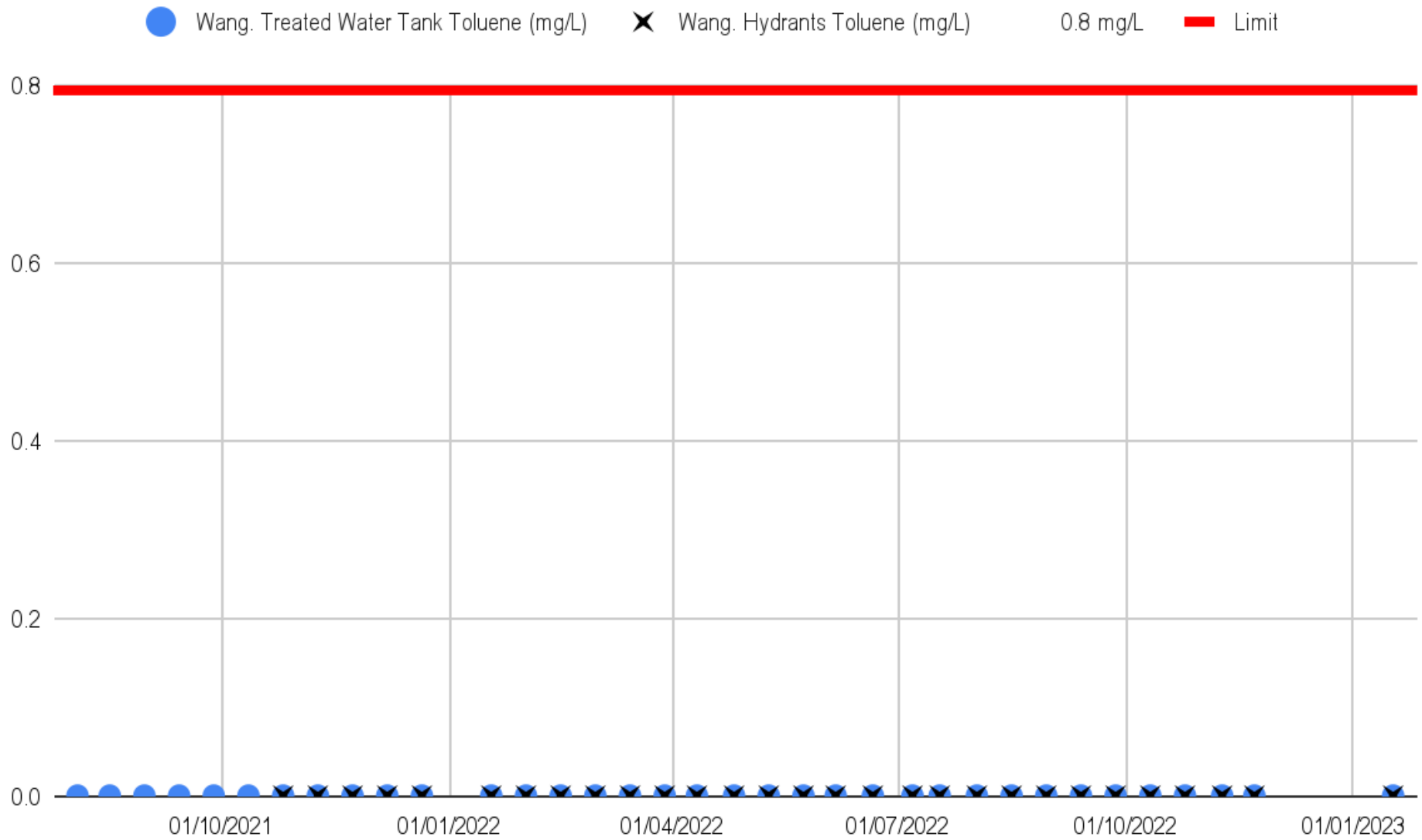
● Wang. Treated Water Tank Acid Soluble Aluminium (mg/L) ✕ Wang. Hydrants Acid Soluble Aluminium (mg/L) 0.2 mg/L
— Limit

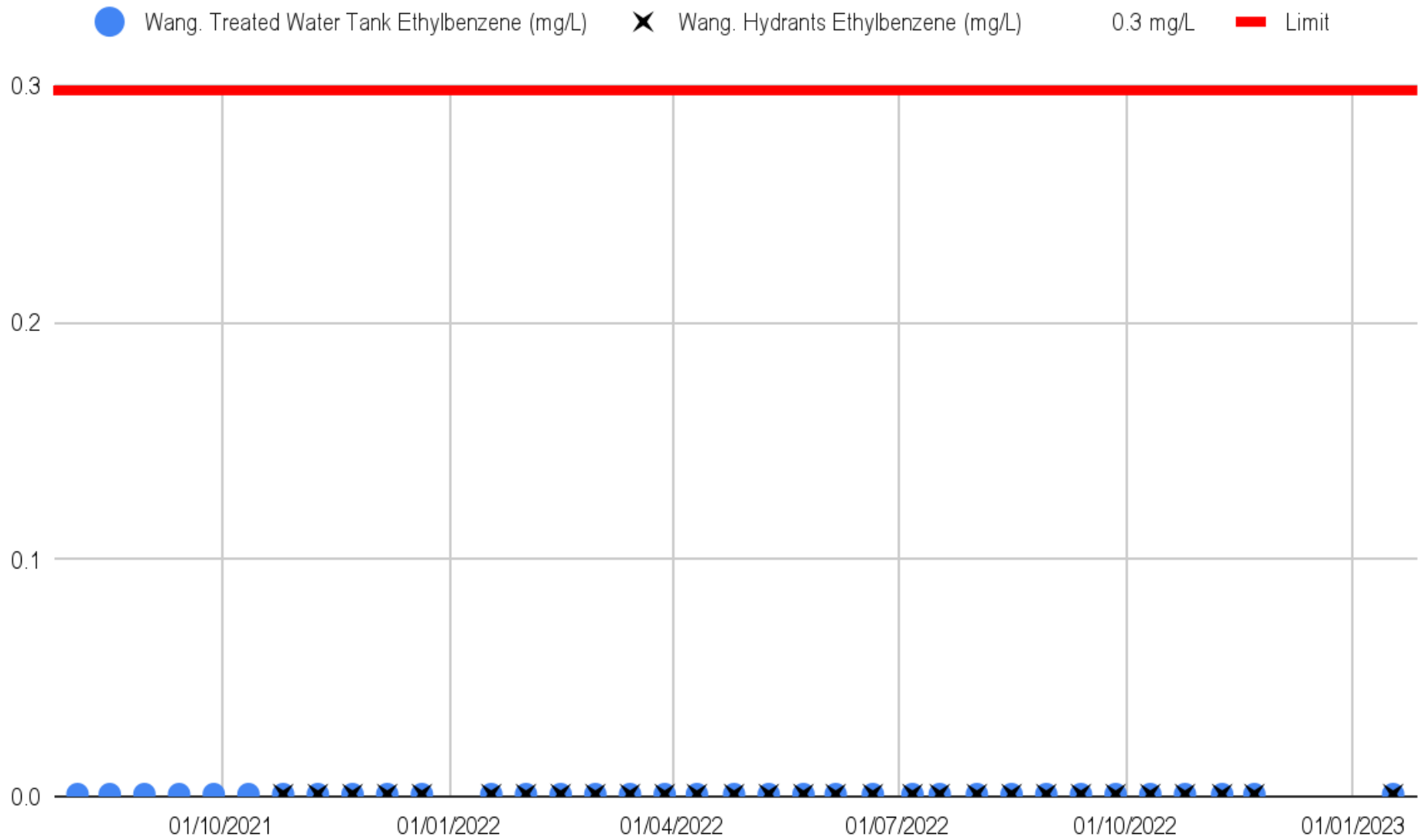


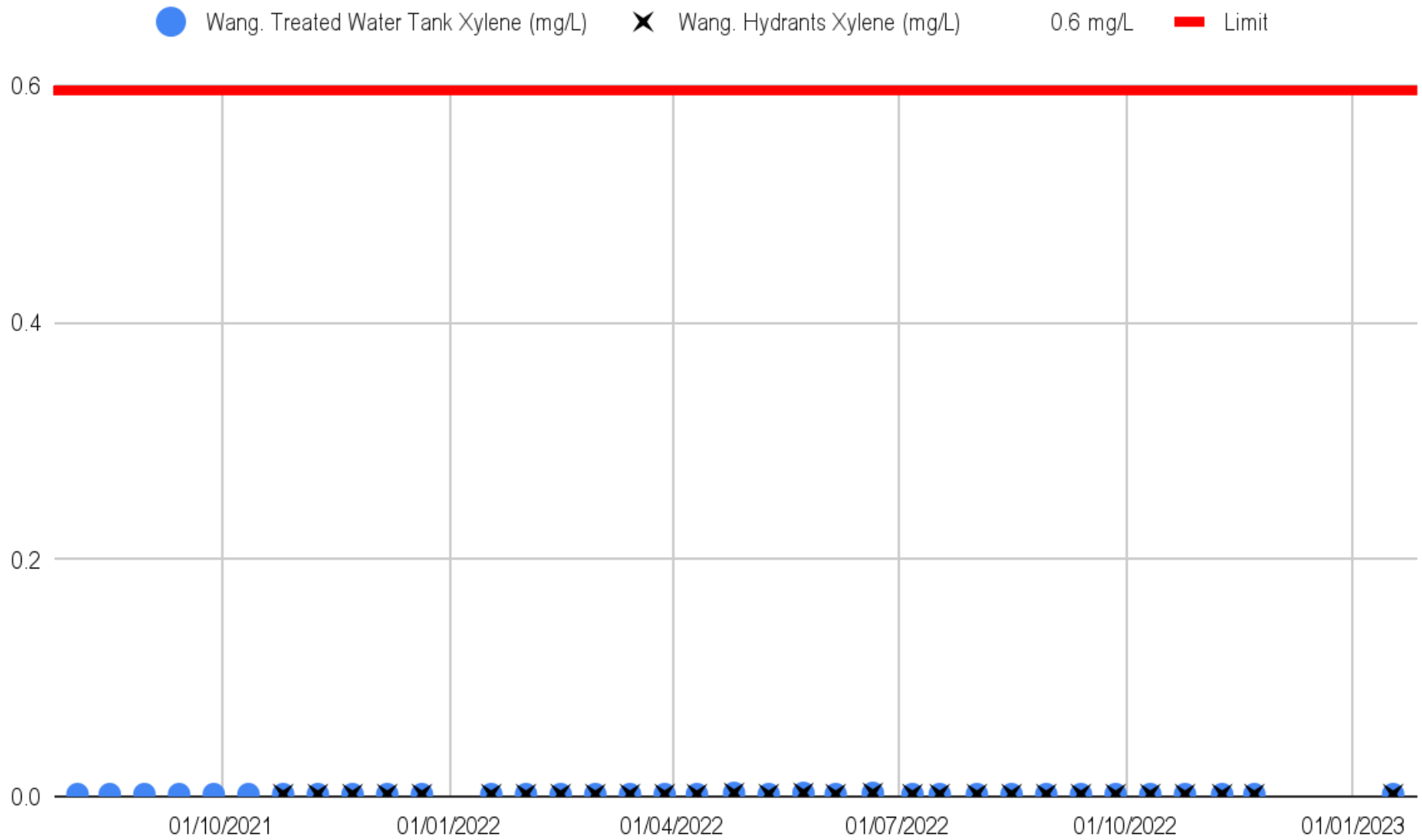


● Wang. Treated Water Tank Benzene (mg/L) ✕ Wang. Hydrants Benzene (mg/L) 0.001 mg/L ■ Limit
Non Detect Results ■

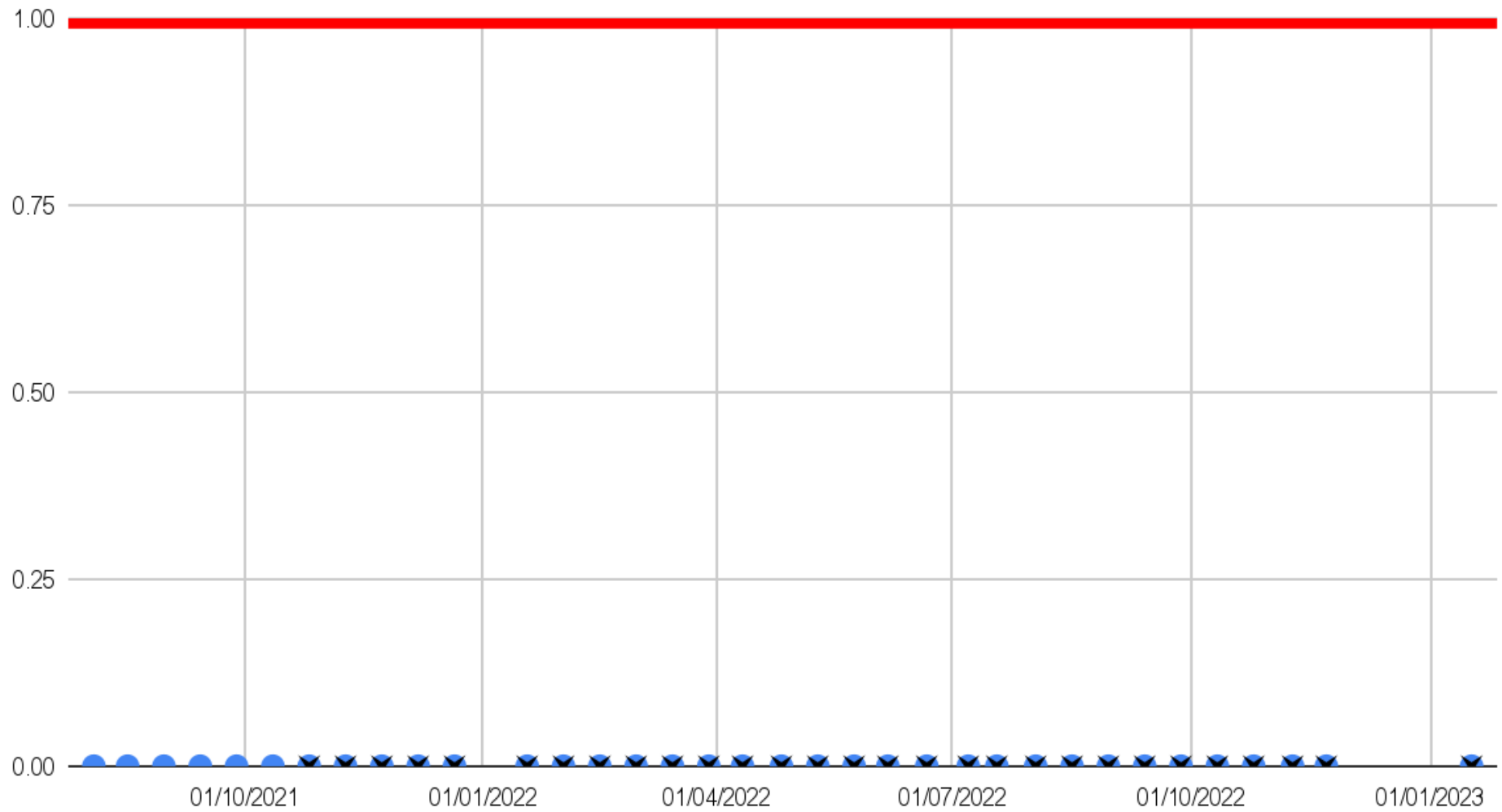


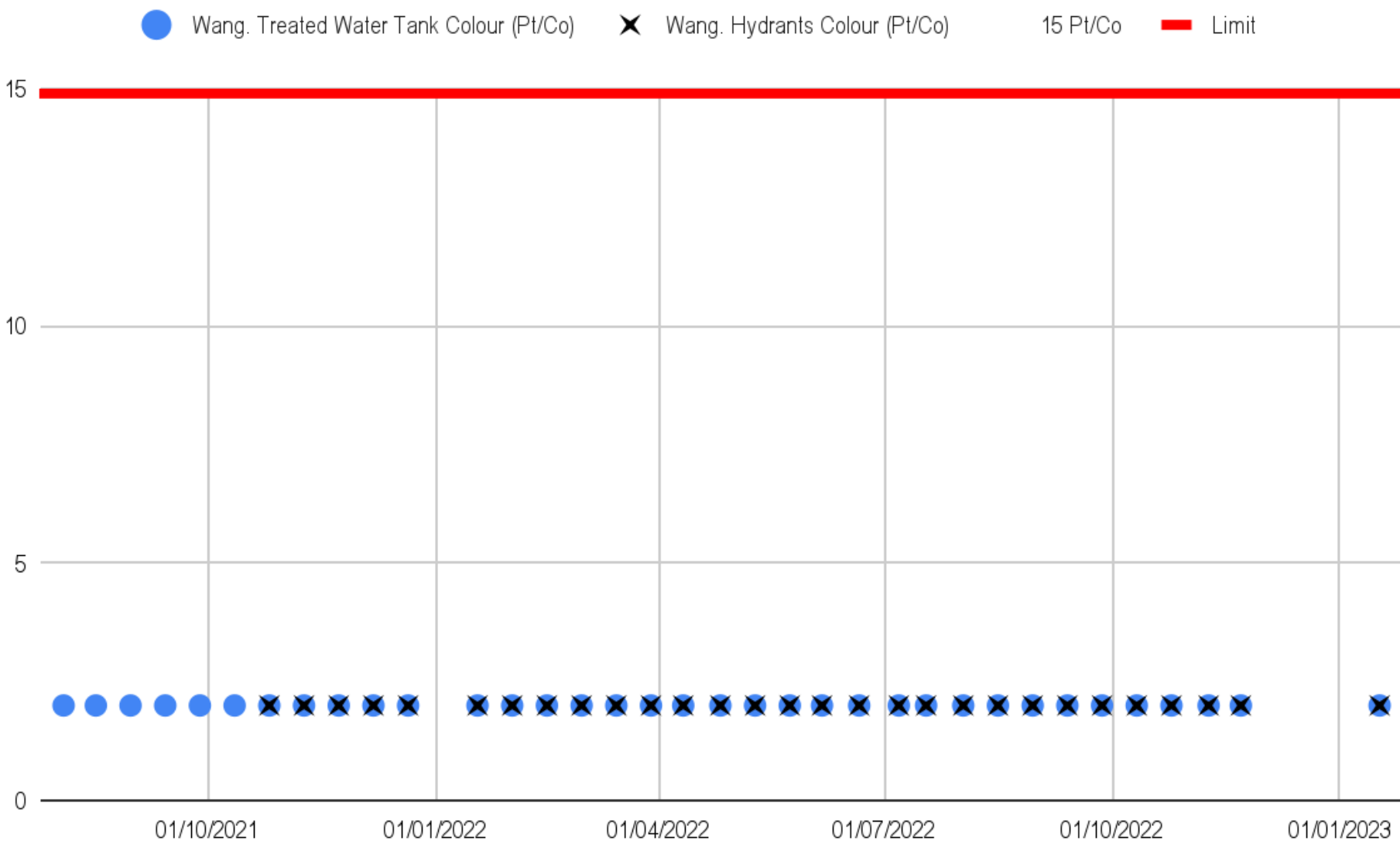


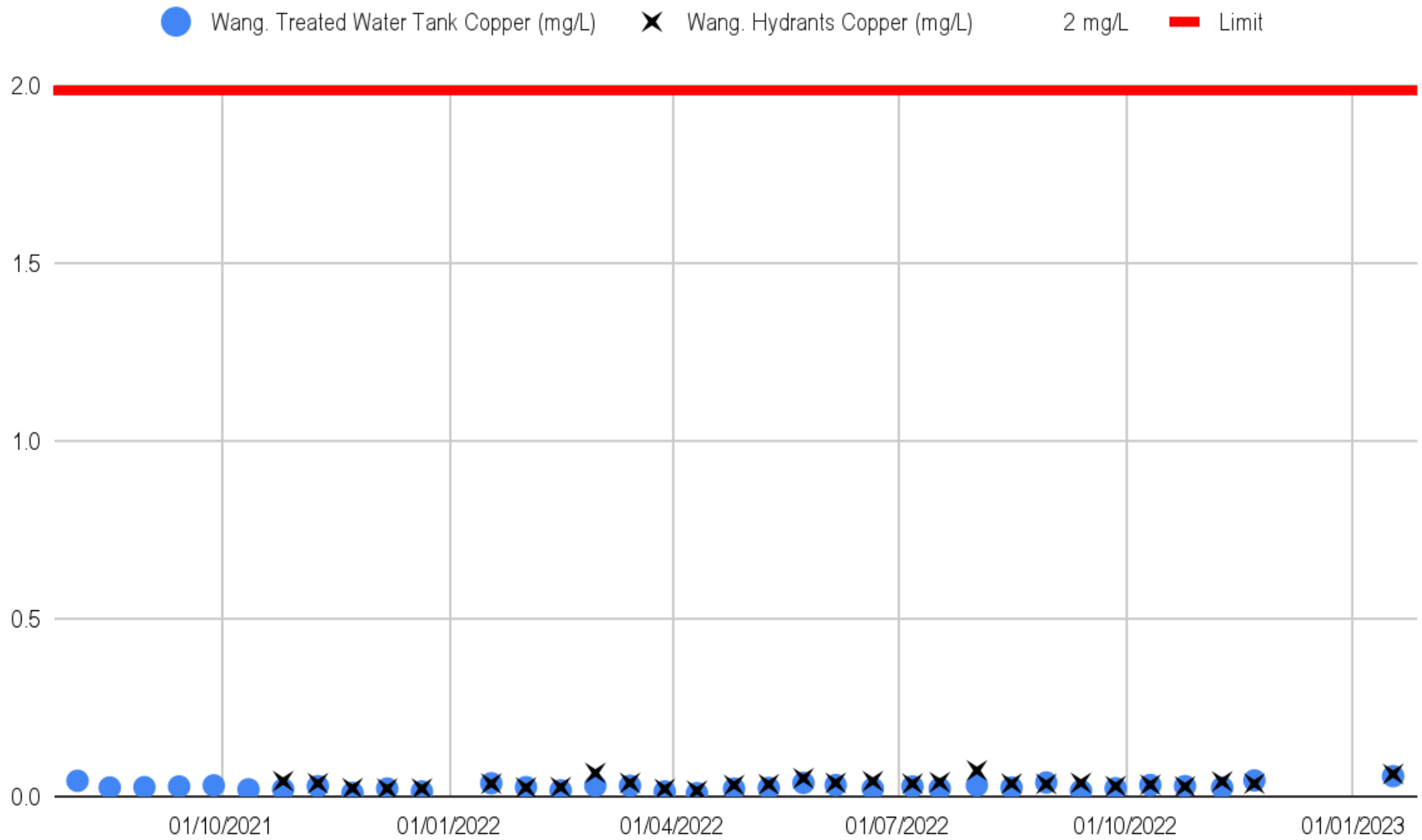




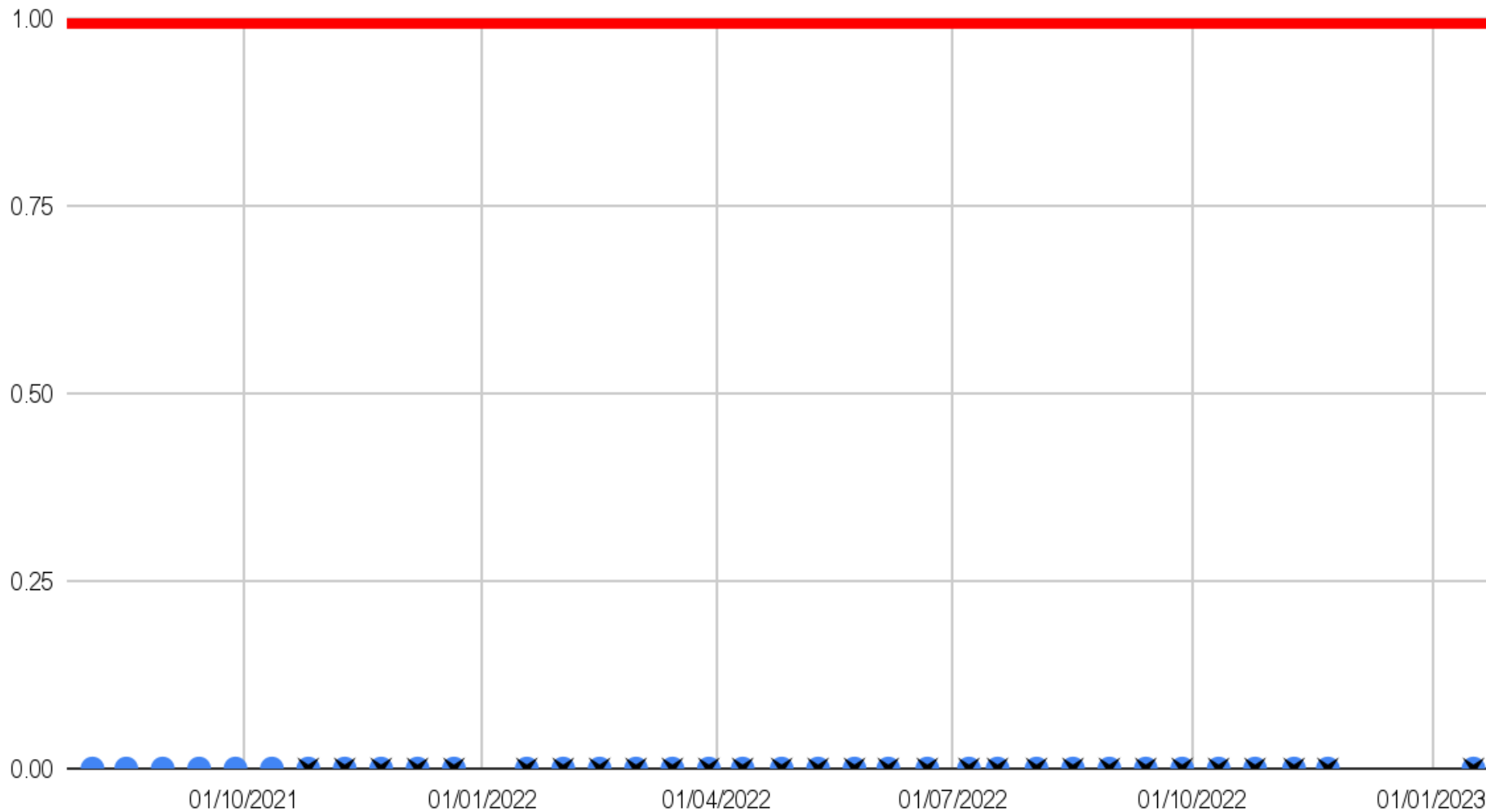
● Wang. Treated Water Tank Coliforms (CFU/100mL) ✕ Wang. Hydrants Coliforms (CFU/100mL) 1 cfu/100mL — Limit

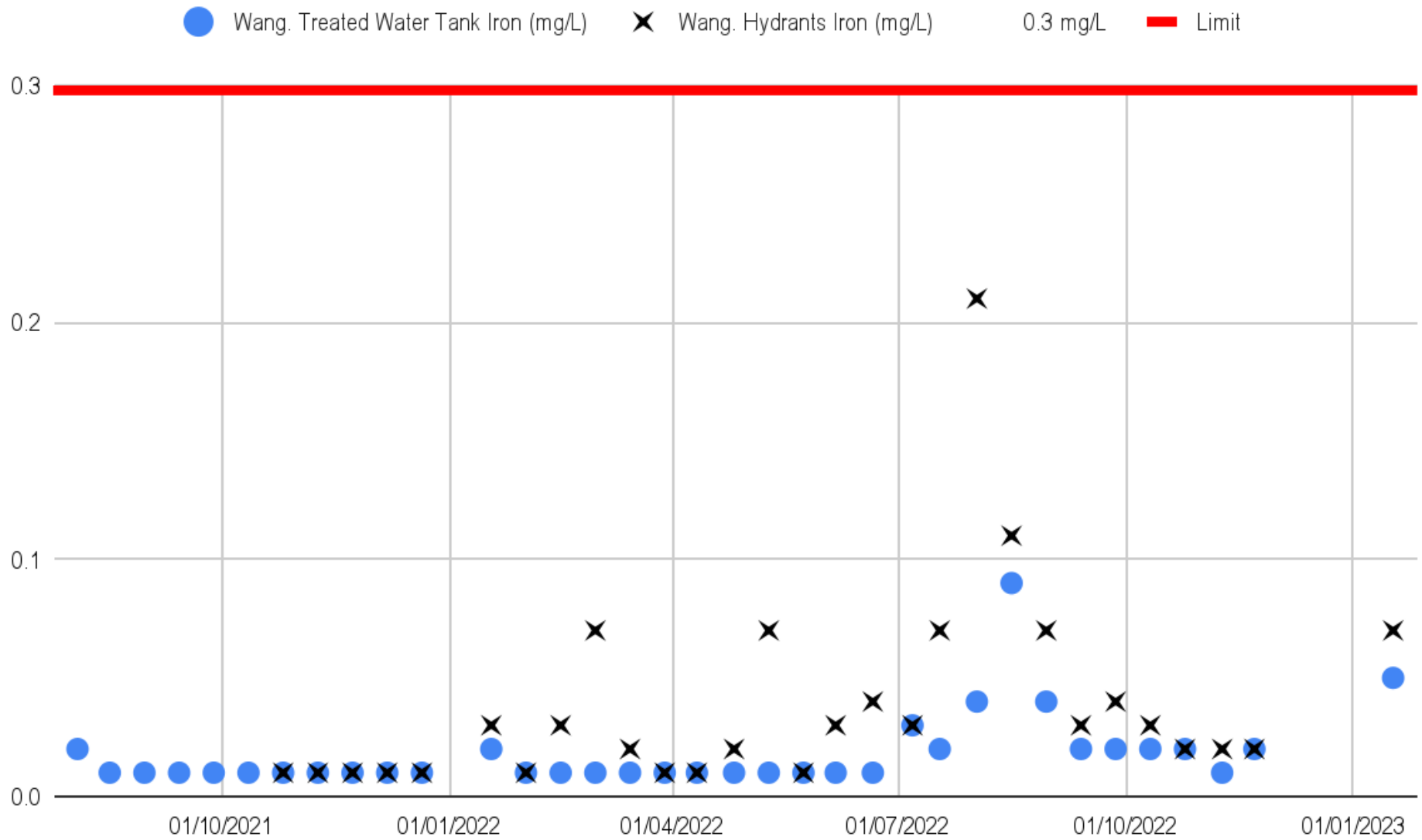




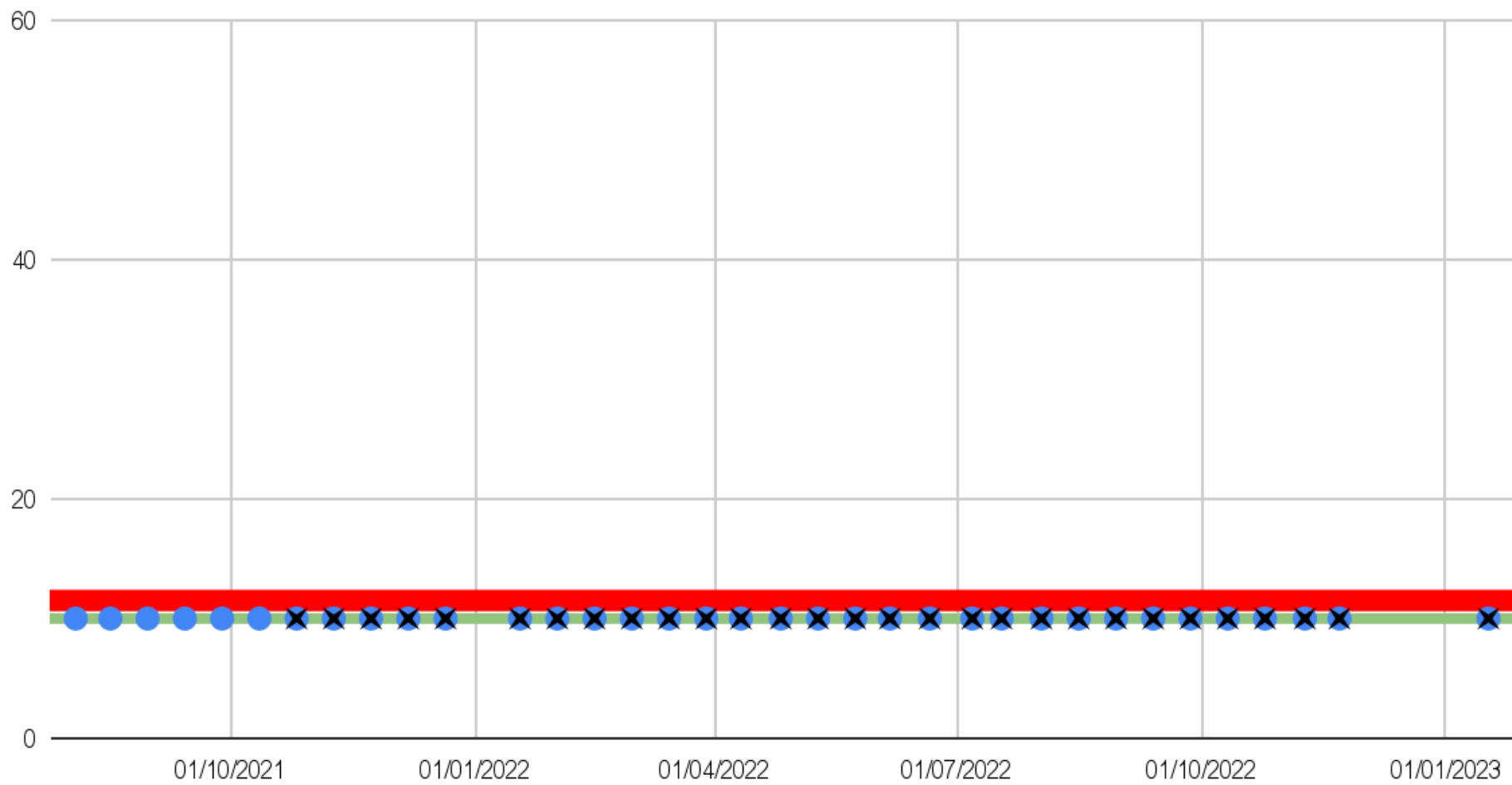


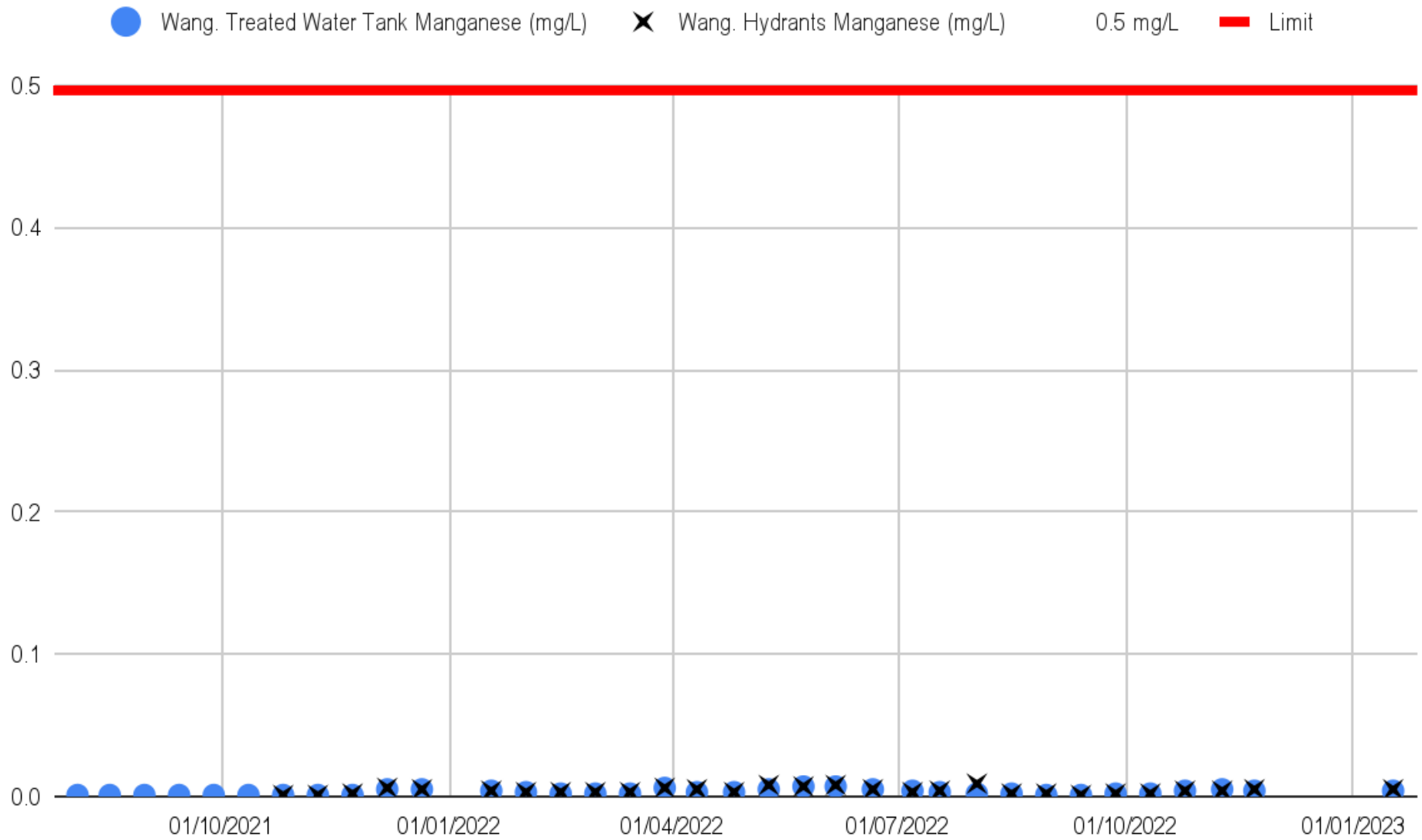
● Wang. Treated Water Tank E.coli (CFU/100mL) ✕ Wang. Hydrants E.coli (CFU/100mL) 1 cfu/100mL — Limit



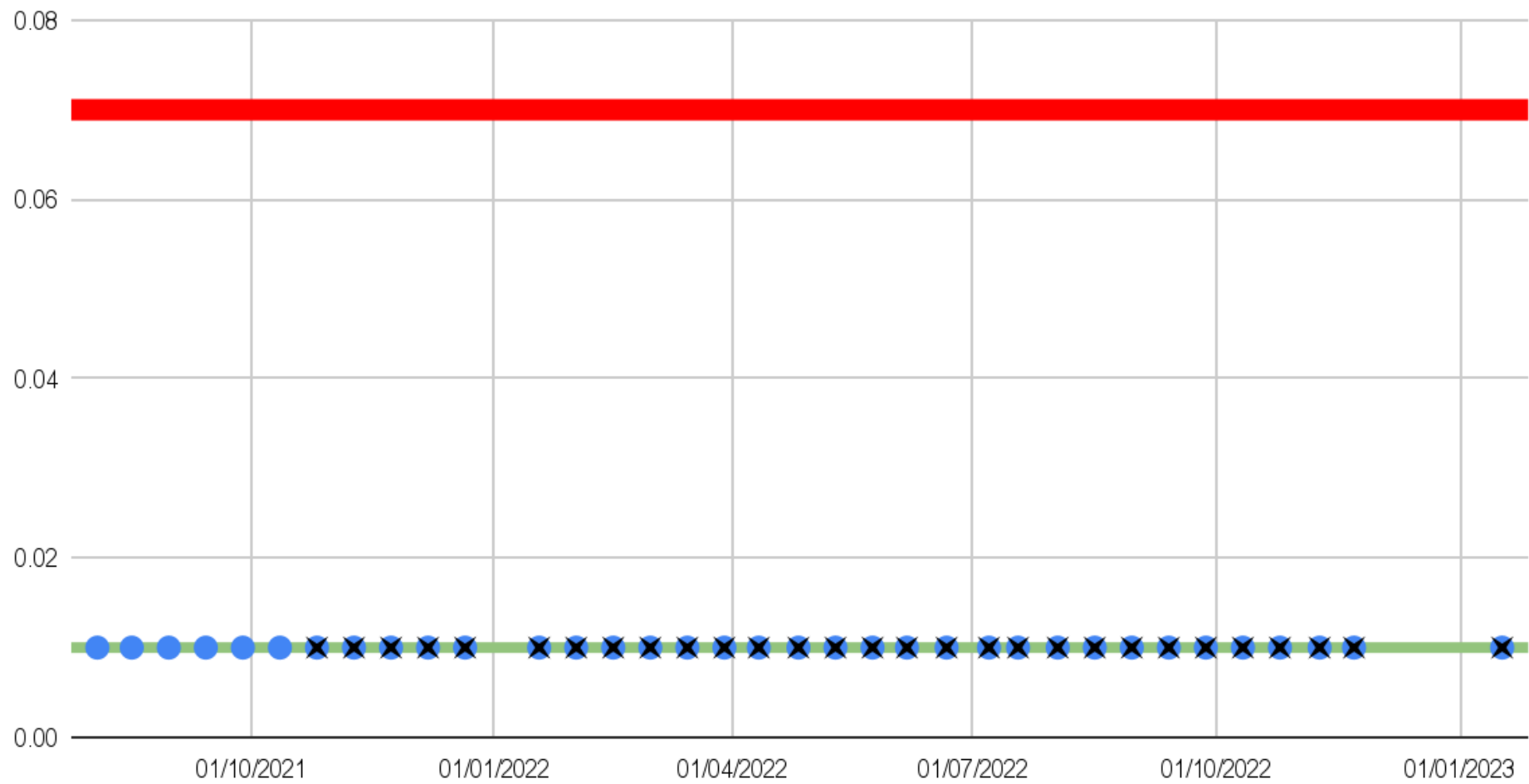


● Wang. Treated Water Tank Legionella spp (CFU/mL) ✕ Wang. Hydrants Legionella spp (CFU/mL) 10 cfu/mL ■ Limit
Non Detect Results —

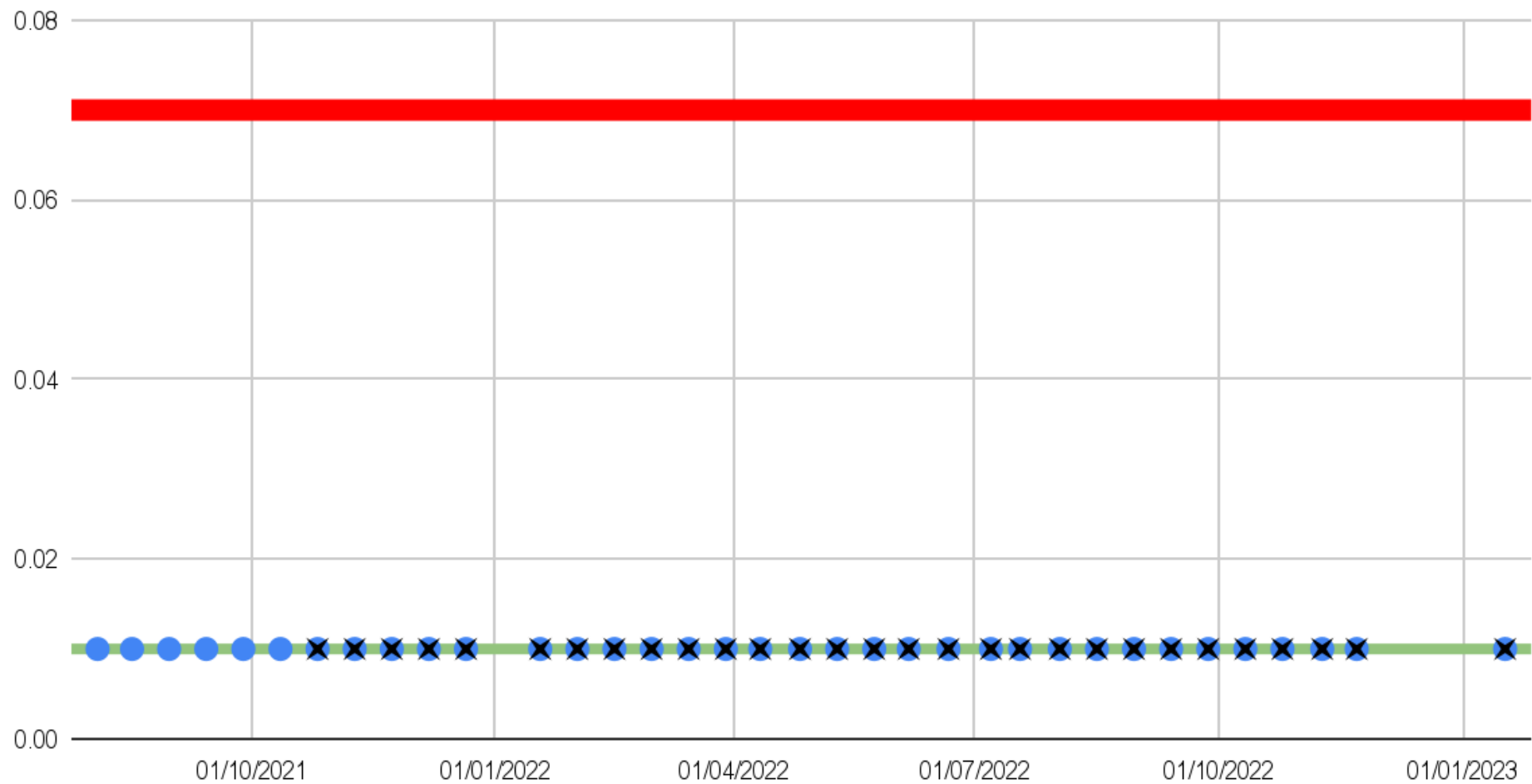




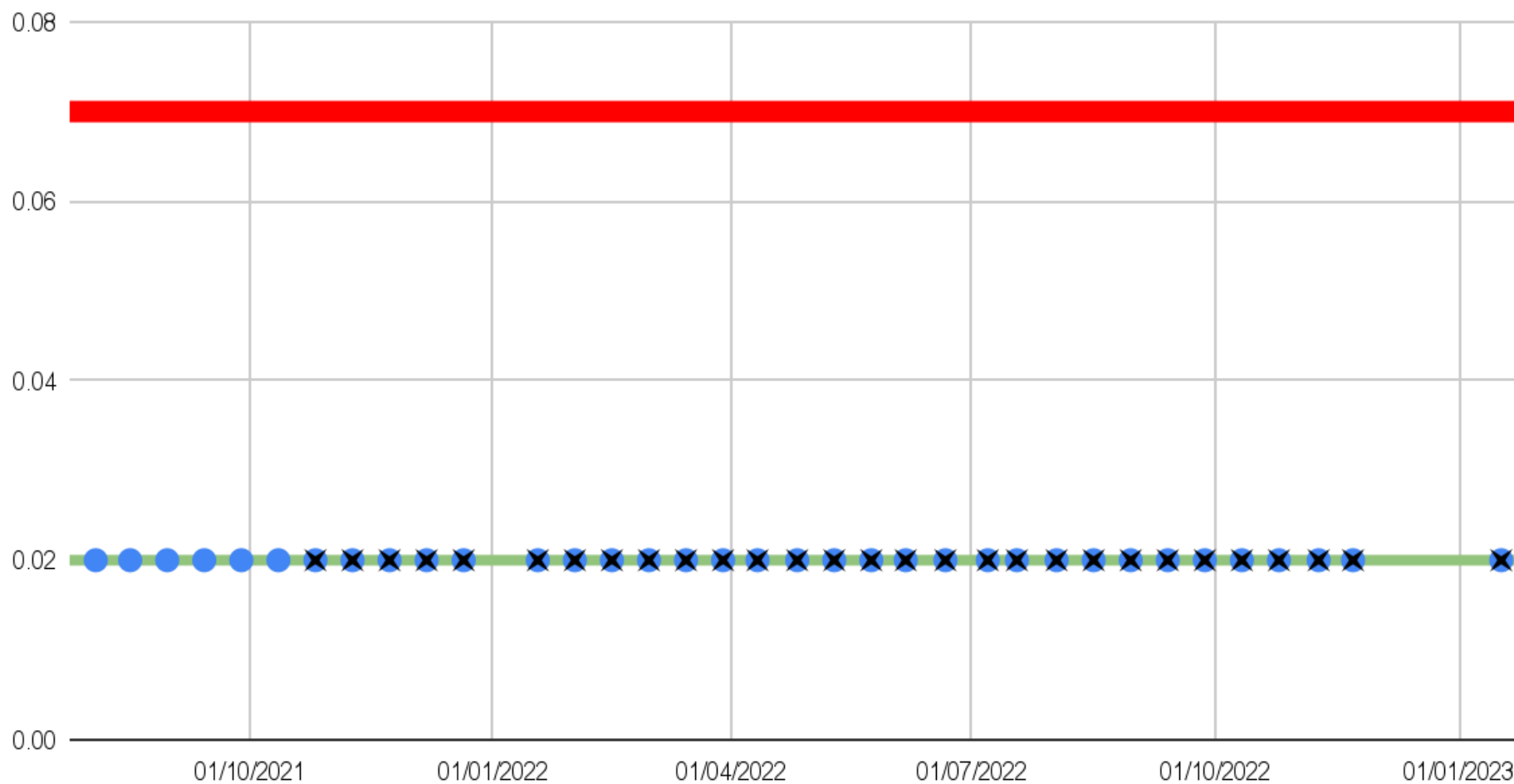
● Wang. Treated Water Tank PFOA ($\mu\text{g/L}$) ✕ Wang. Hydrants PFOA ($\mu\text{g/L}$) PFOA + PFOS 0.07 $\mu\text{g/L}$ — Limit
Non Detect Results —



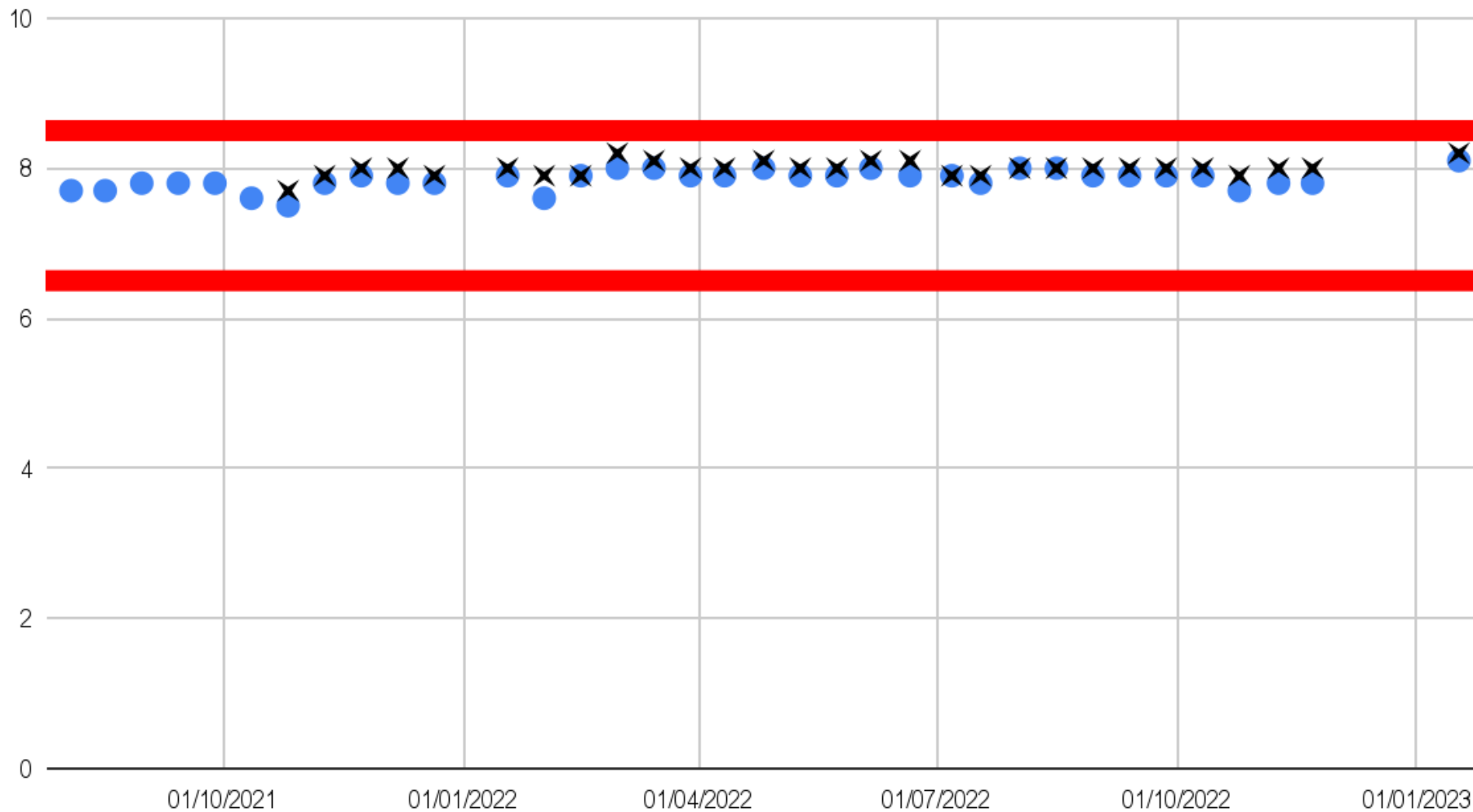
● Wang. Treated Water Tank PFOS ($\mu\text{g/L}$) ✕ Wang. Hydrants PFOS ($\mu\text{g/L}$) PFOA + PFOS 0.07 $\mu\text{g/L}$ — Limit
Non Detect Results —

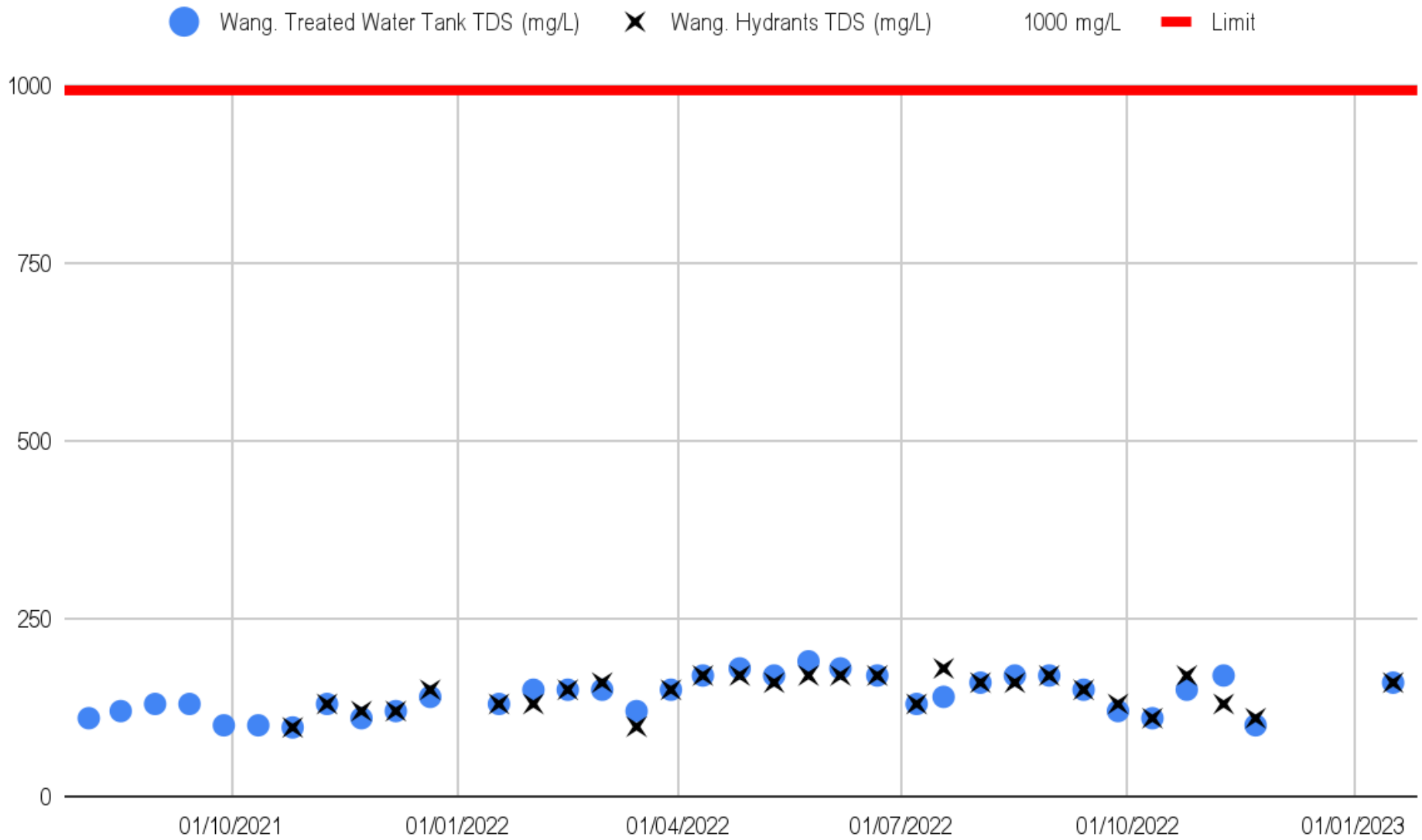


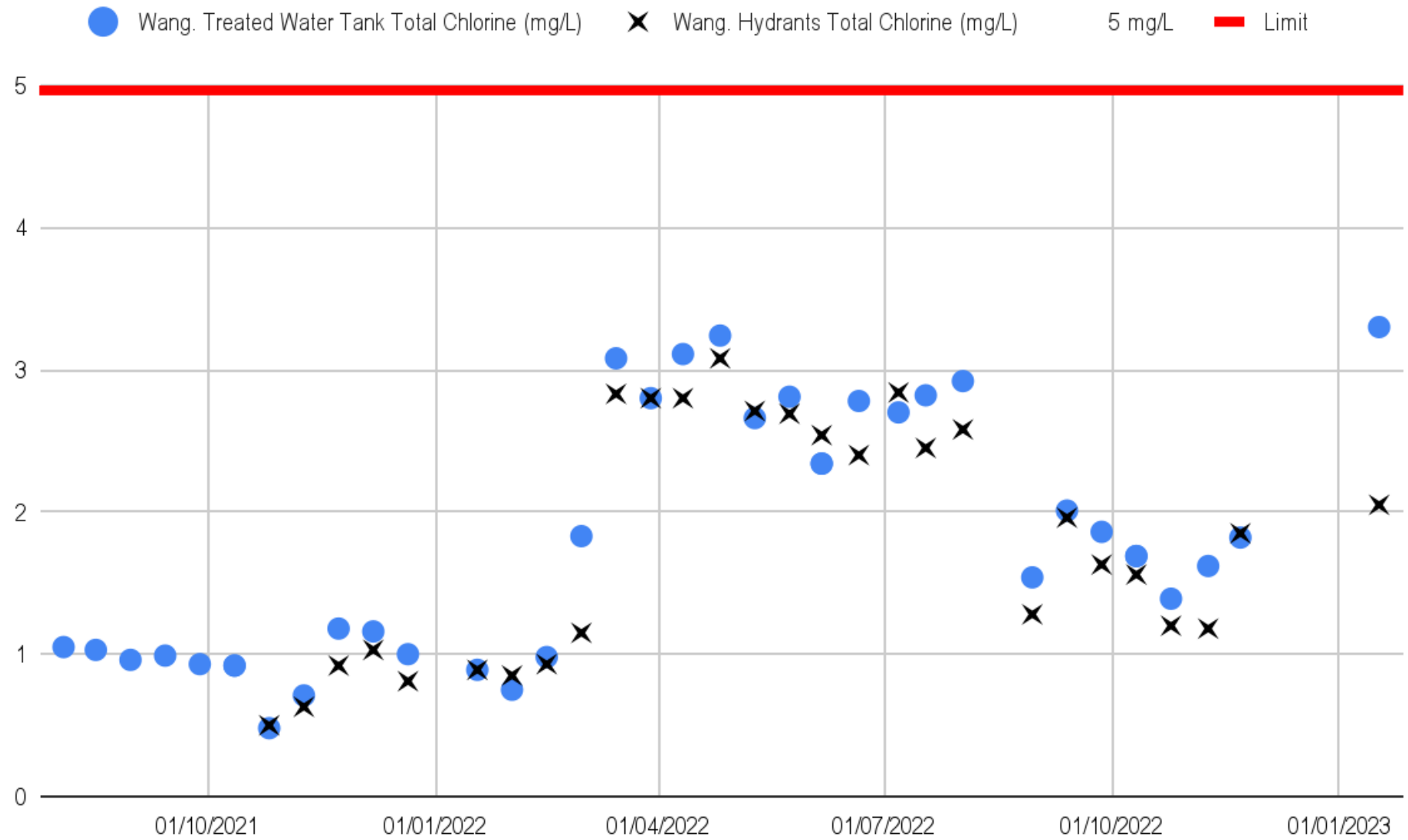
● Wang. Treated Water Tank PFHxS ($\mu\text{g/L}$) ✕ Wang. Hydrants PFHxS ($\mu\text{g/L}$) PFOS + PFHxS 0.07 $\mu\text{g/L}$ — Limit
Non Detect Results —

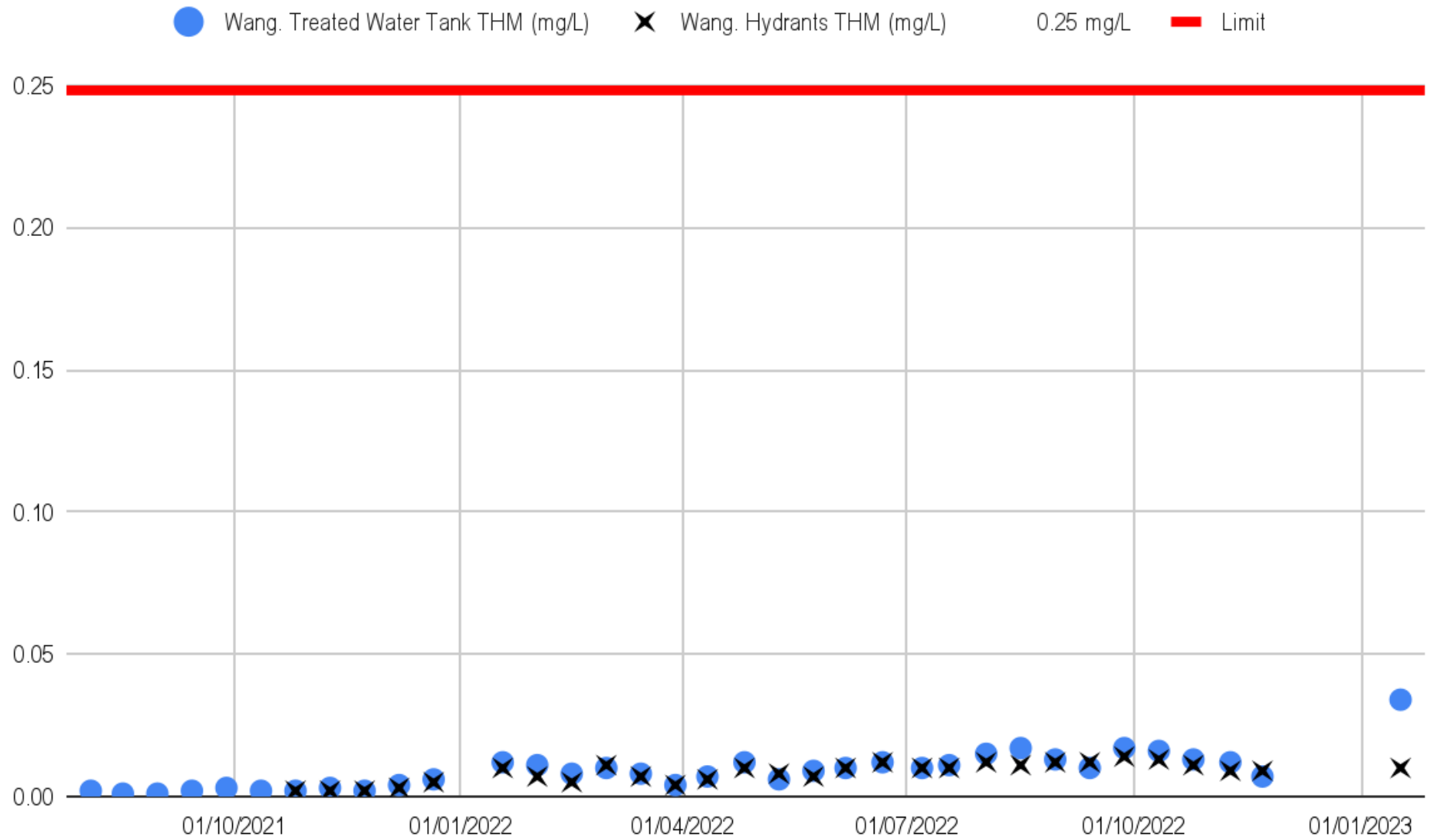


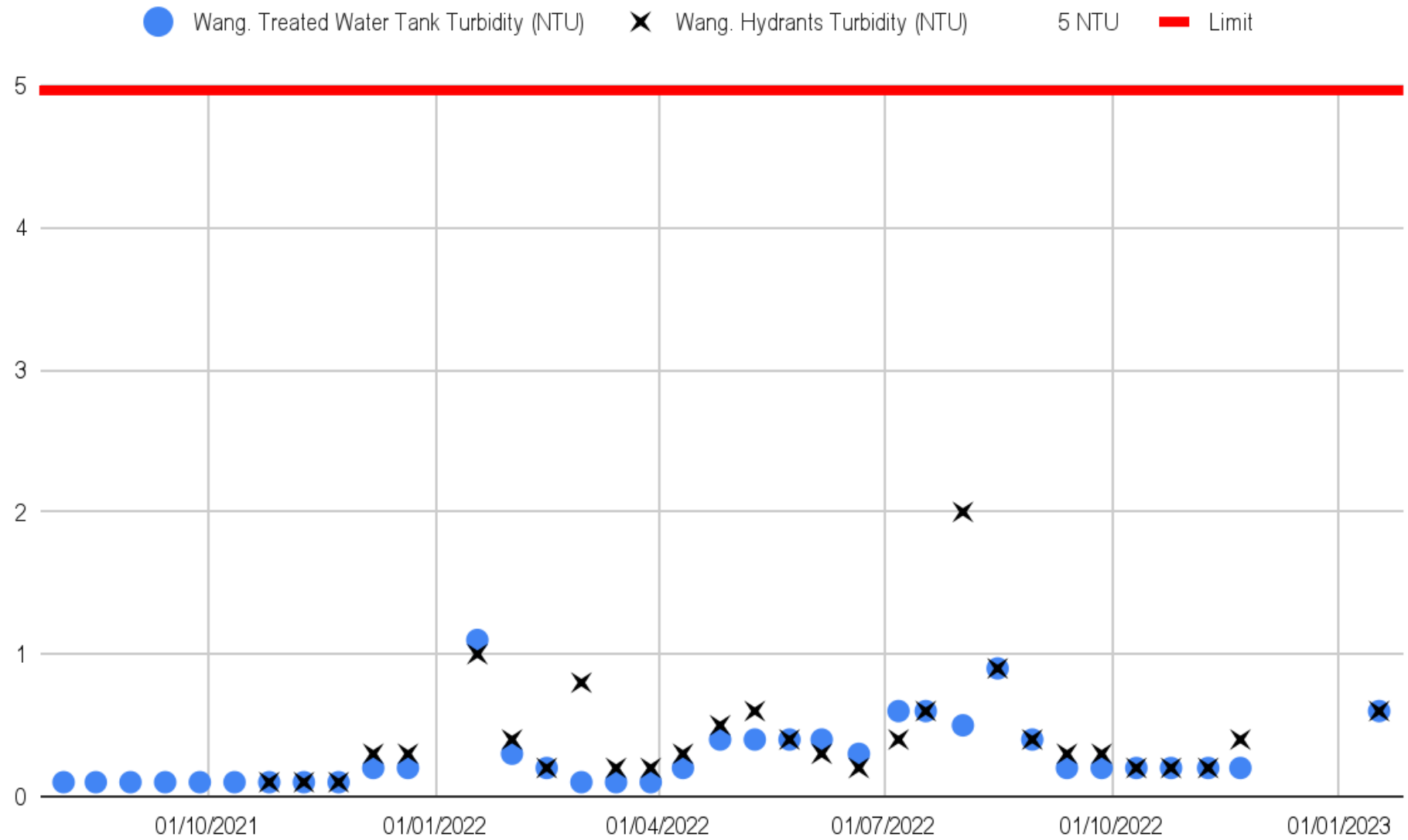
● Wang. Treated Water Tank pH (-) ✕ Wang. Hydrants pH (-) 6.5 — Limit 8.5 — Limit



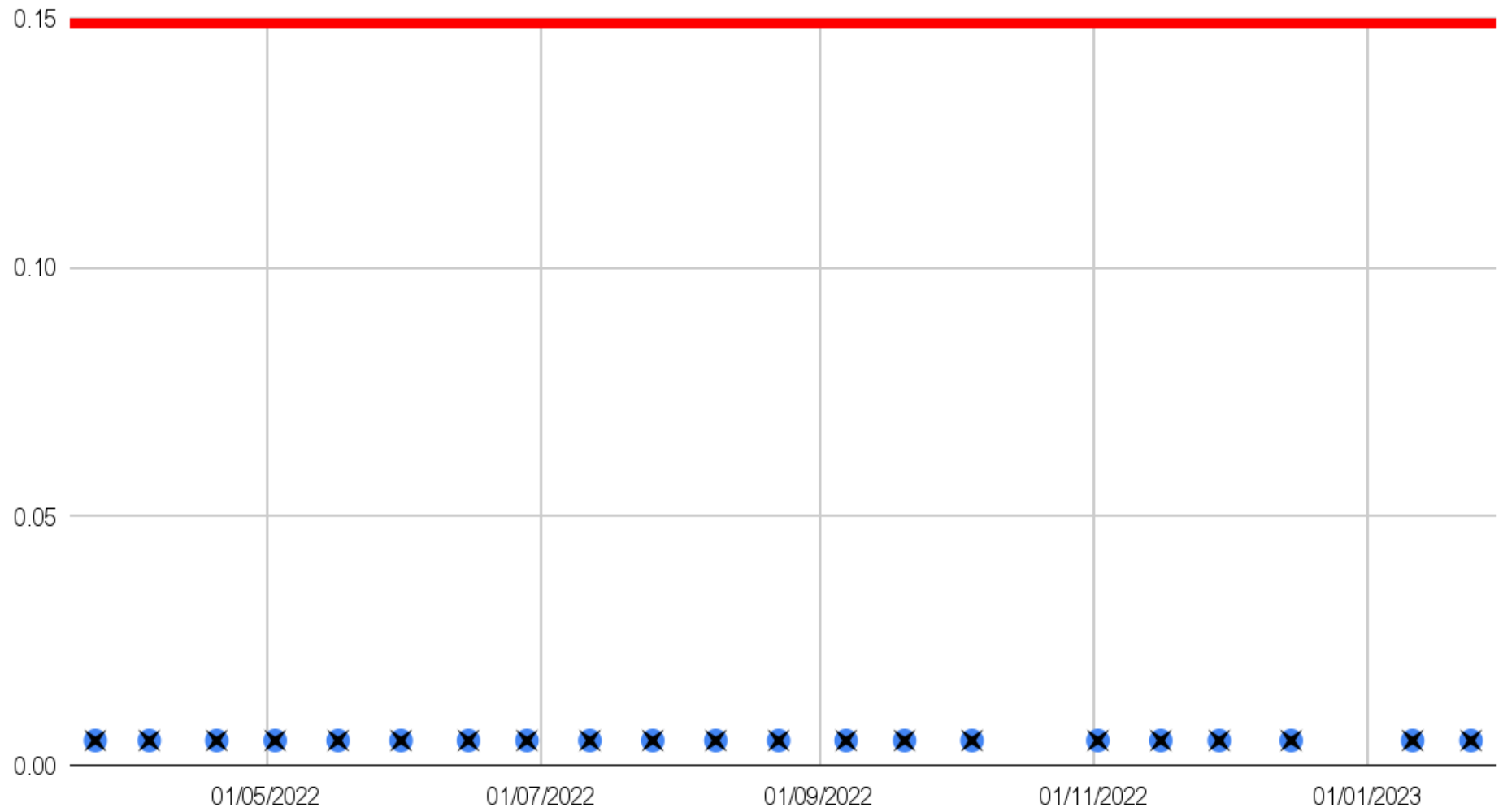




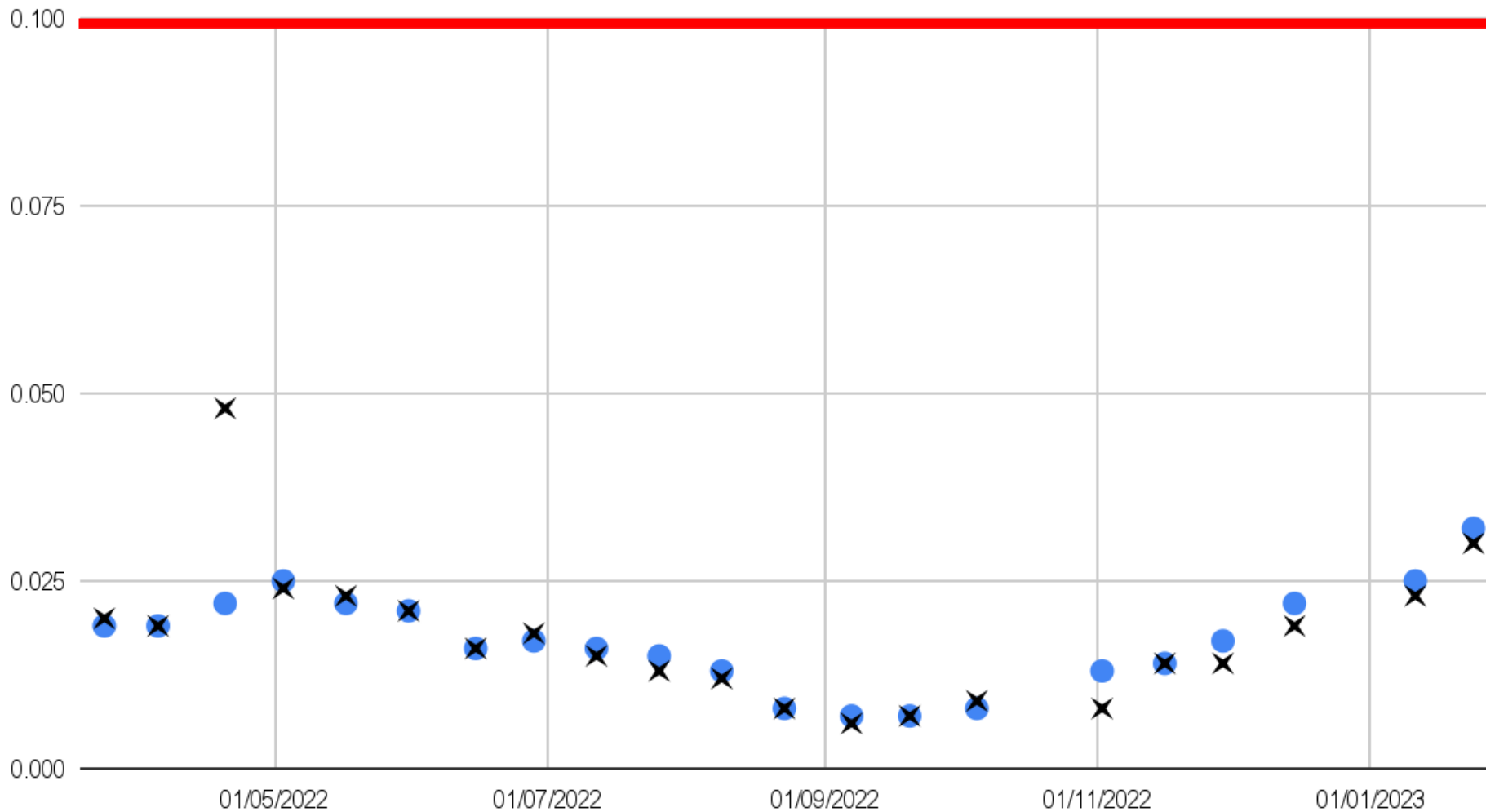




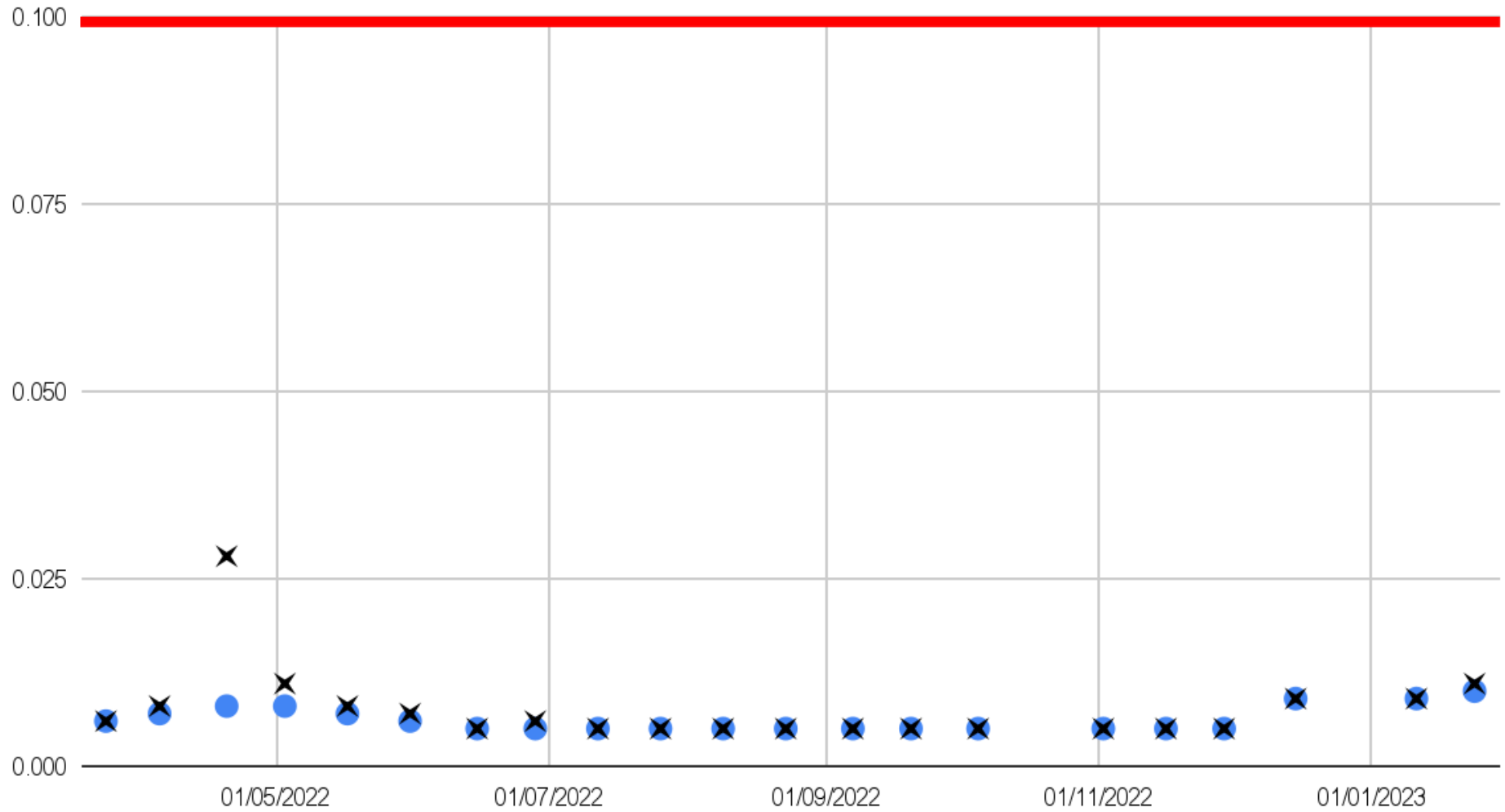
● Sunraysia Treated Water Tank Chloroacetic Acid (mg/L) ✕ Sunraysia Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L ■ Limit

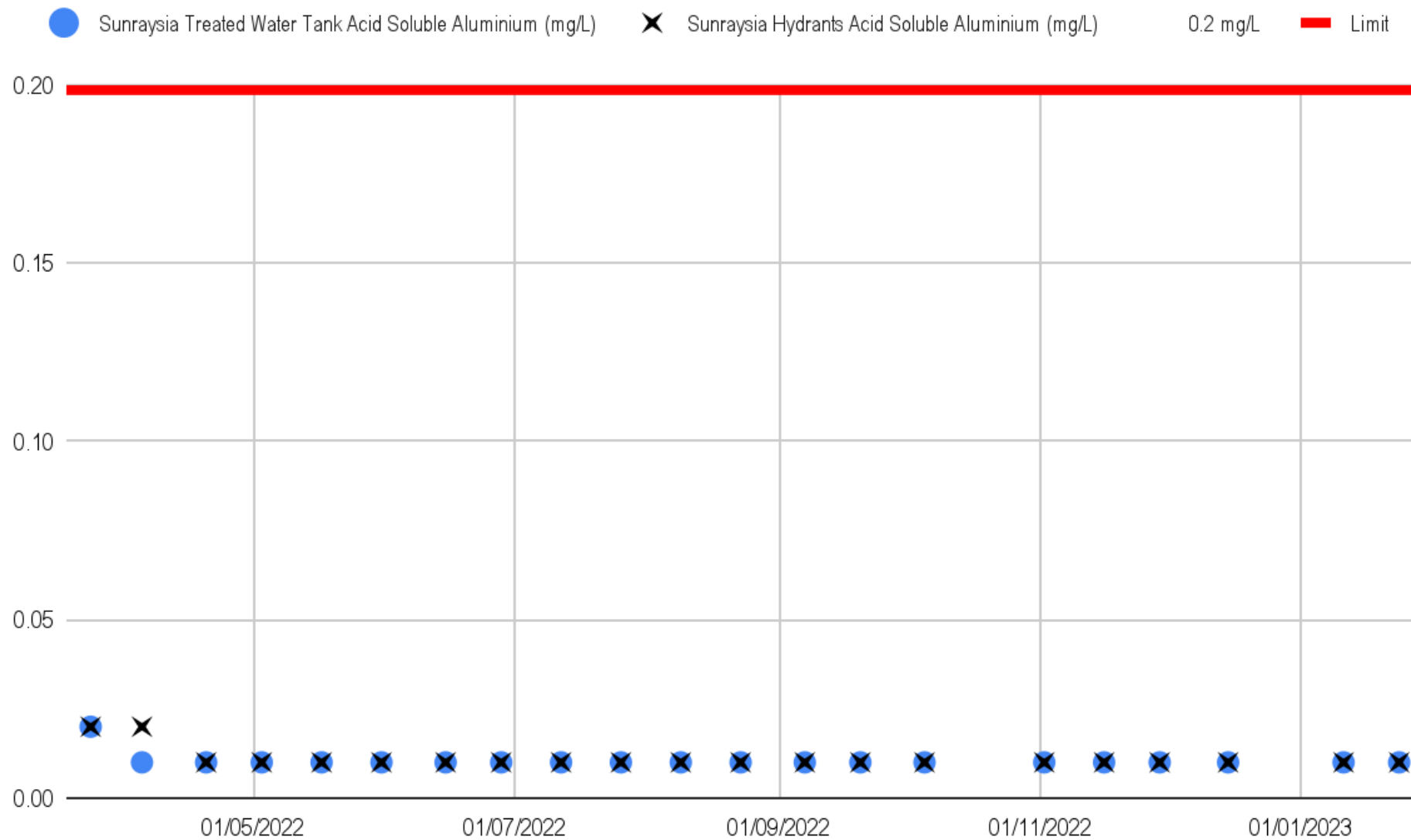


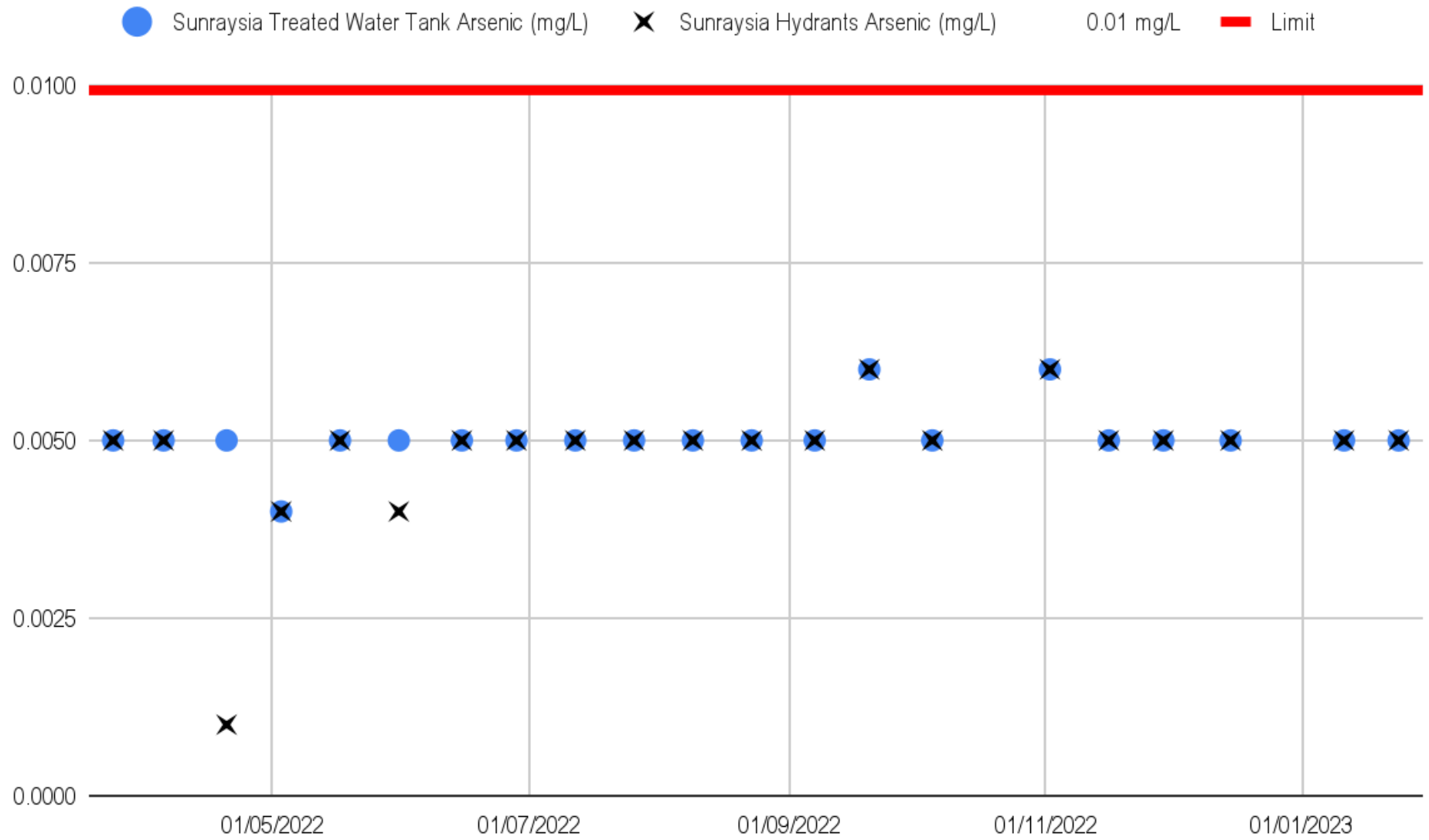
● Sunraysia Treated Water Tank Dichloroacetic Acid (mg/L) ✕ Sunraysia Hydrants Dichloroacetic Acid (mg/L) 0.1 mg/L — Limit



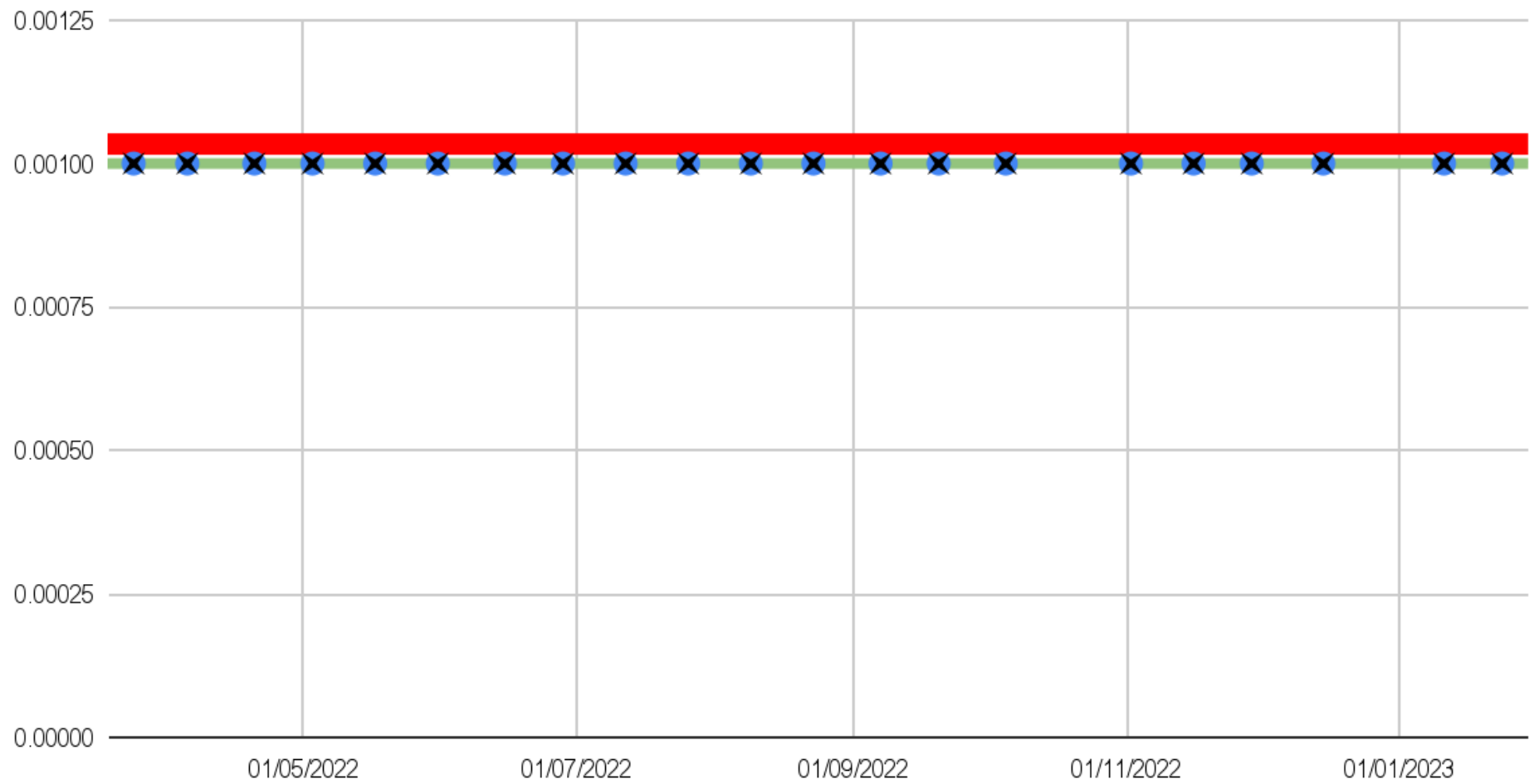
● Sunraysia Treated Water Tank Trichloroacetic Acid (mg/L) ✕ Sunraysia Hydrants Trichloroacetic Acid (mg/L) 0.1 mg/L ■ Limit

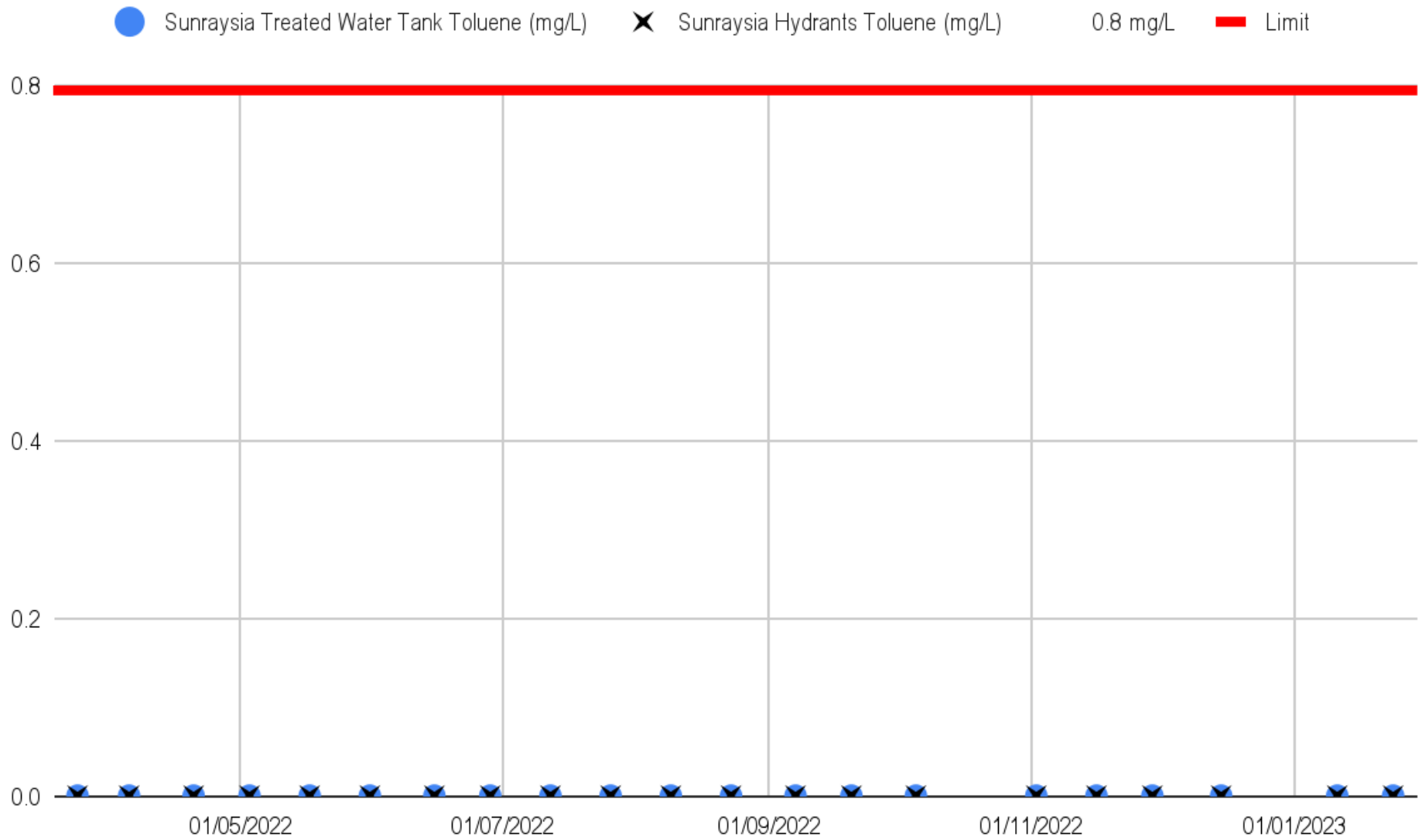




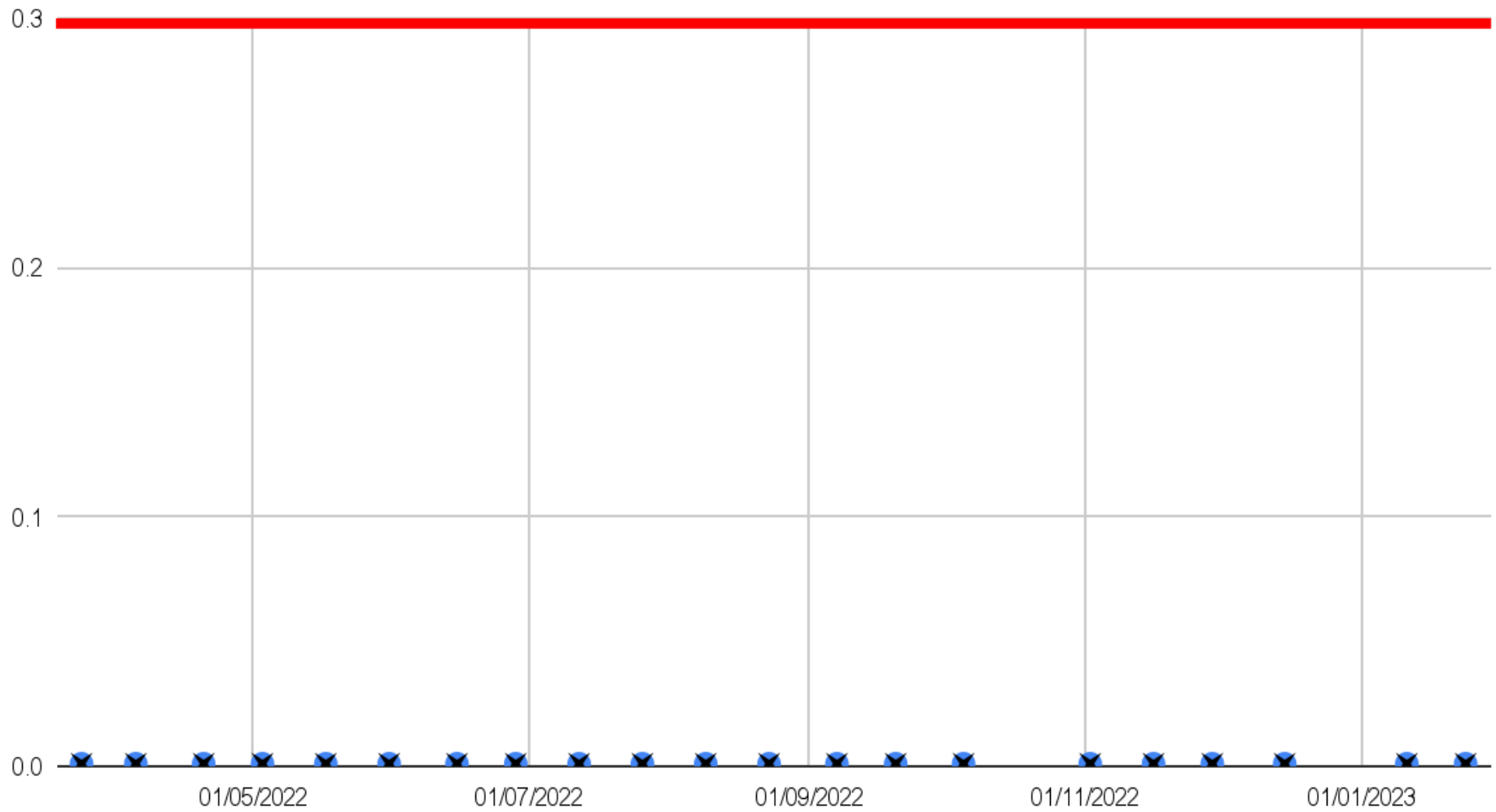


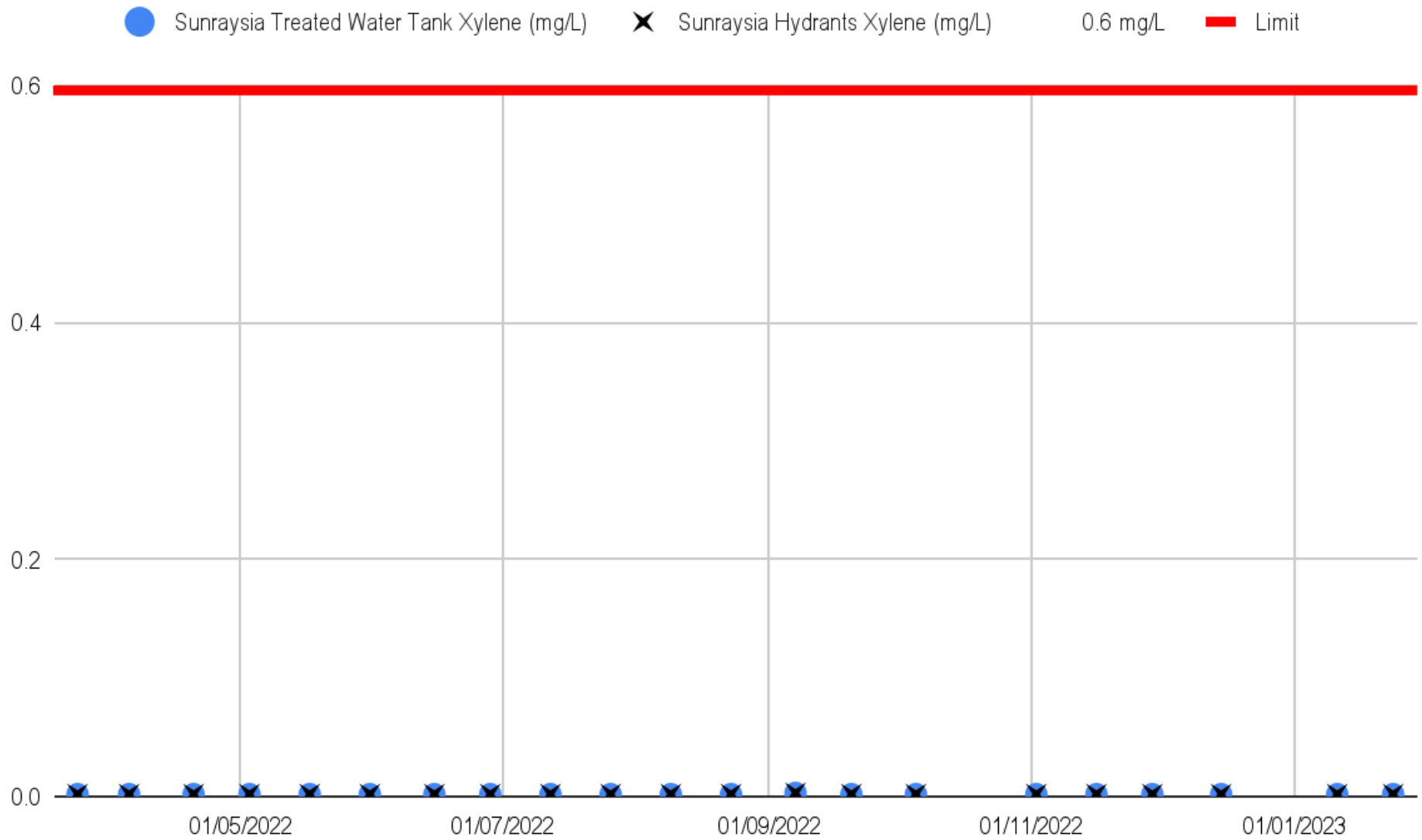
● Sunraysia Treated Water Tank Benzene (mg/L) ✕ Sunraysia Hydrants Benzene (mg/L) 0.001 mg/L ■ Limit
Non Detect Results ■



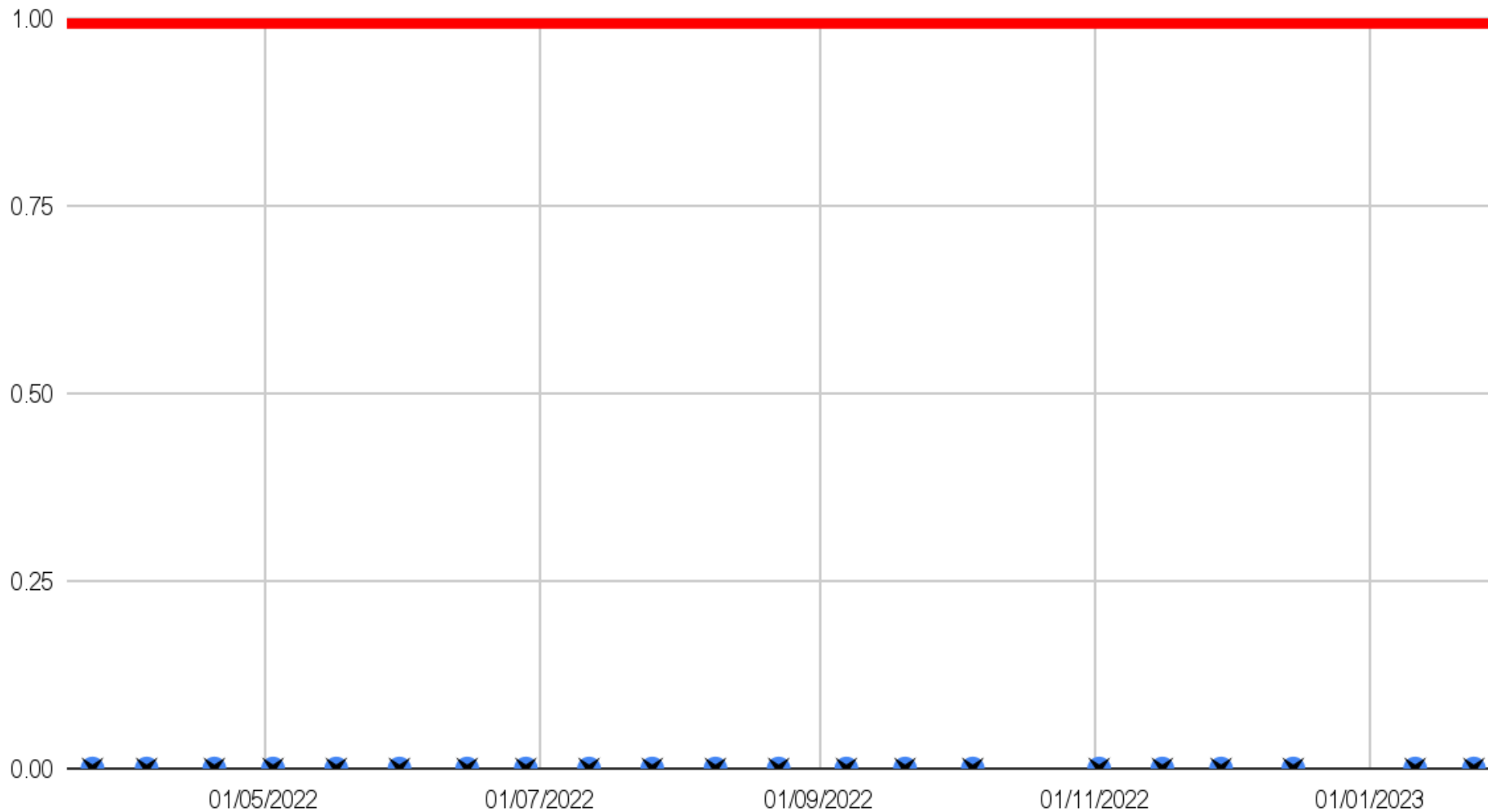


● Sunraysia Treated Water Tank Ethylbenzene (mg/L) ✕ Sunraysia Hydrants Ethylbenzene (mg/L) 0.3 mg/L — Limit

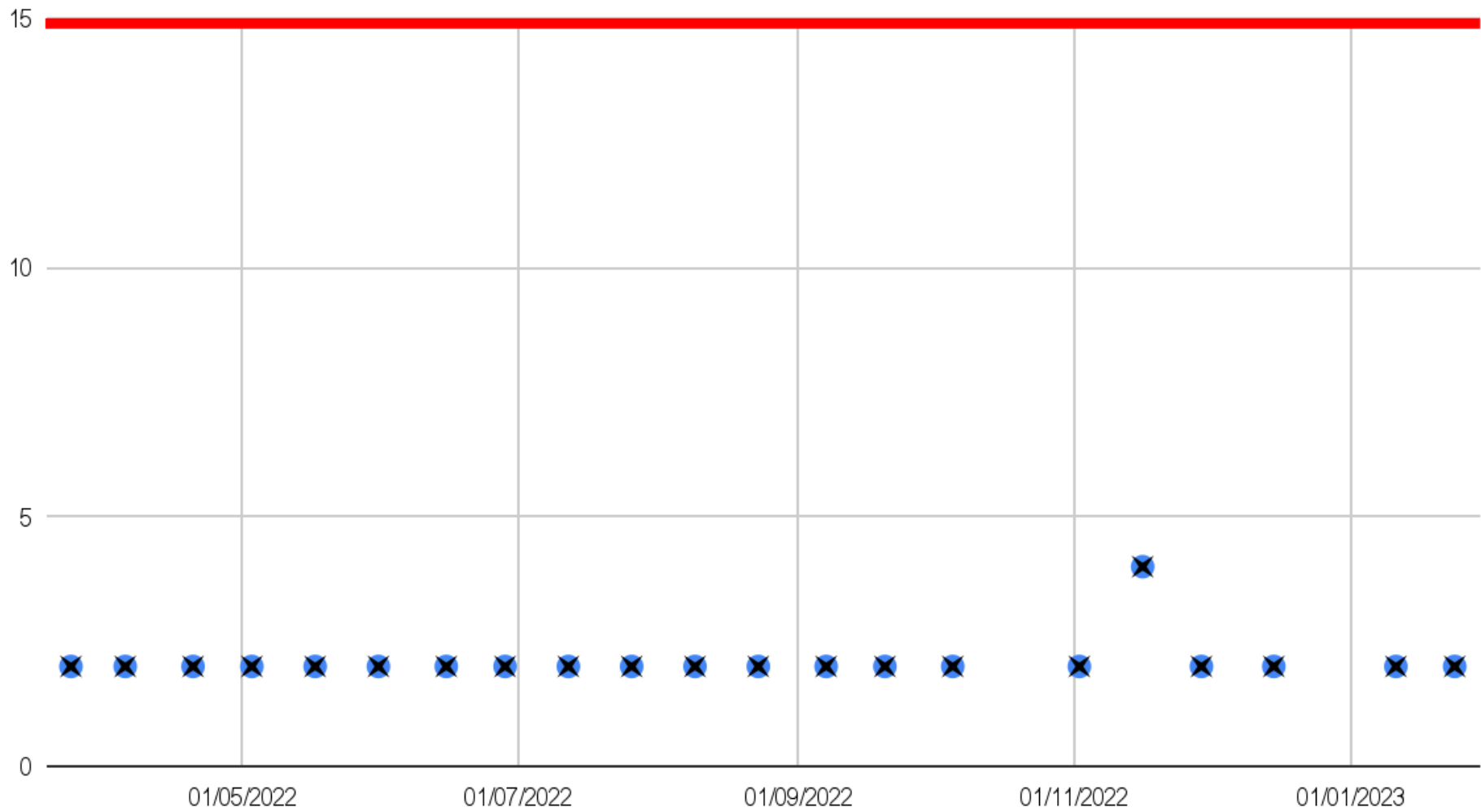


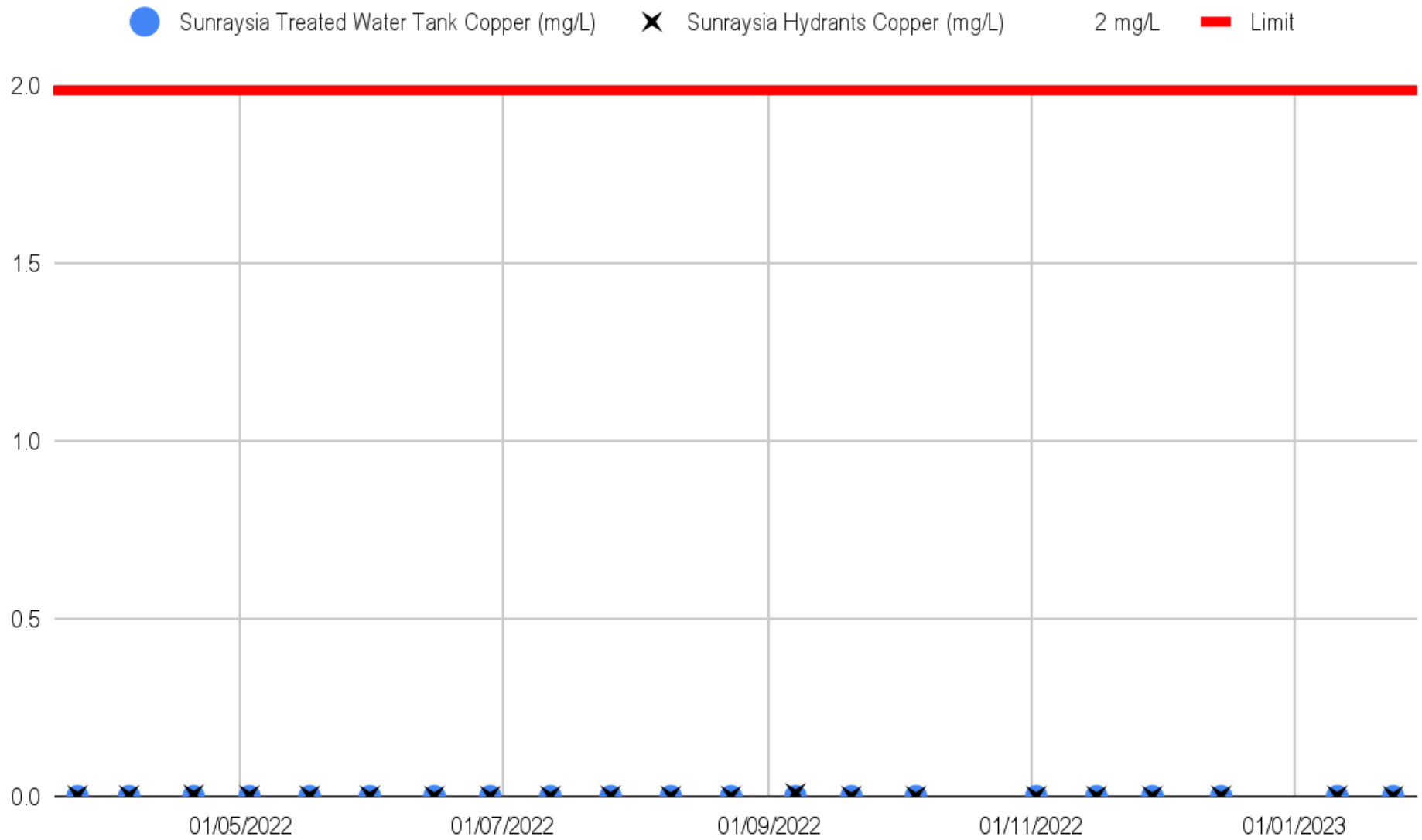


● Sunraysia Treated Water Tank Coliforms (CFU/100mL) ✕ Sunraysia Hydrants Coliforms (CFU/100mL) 1 cfu/100mL — Limit

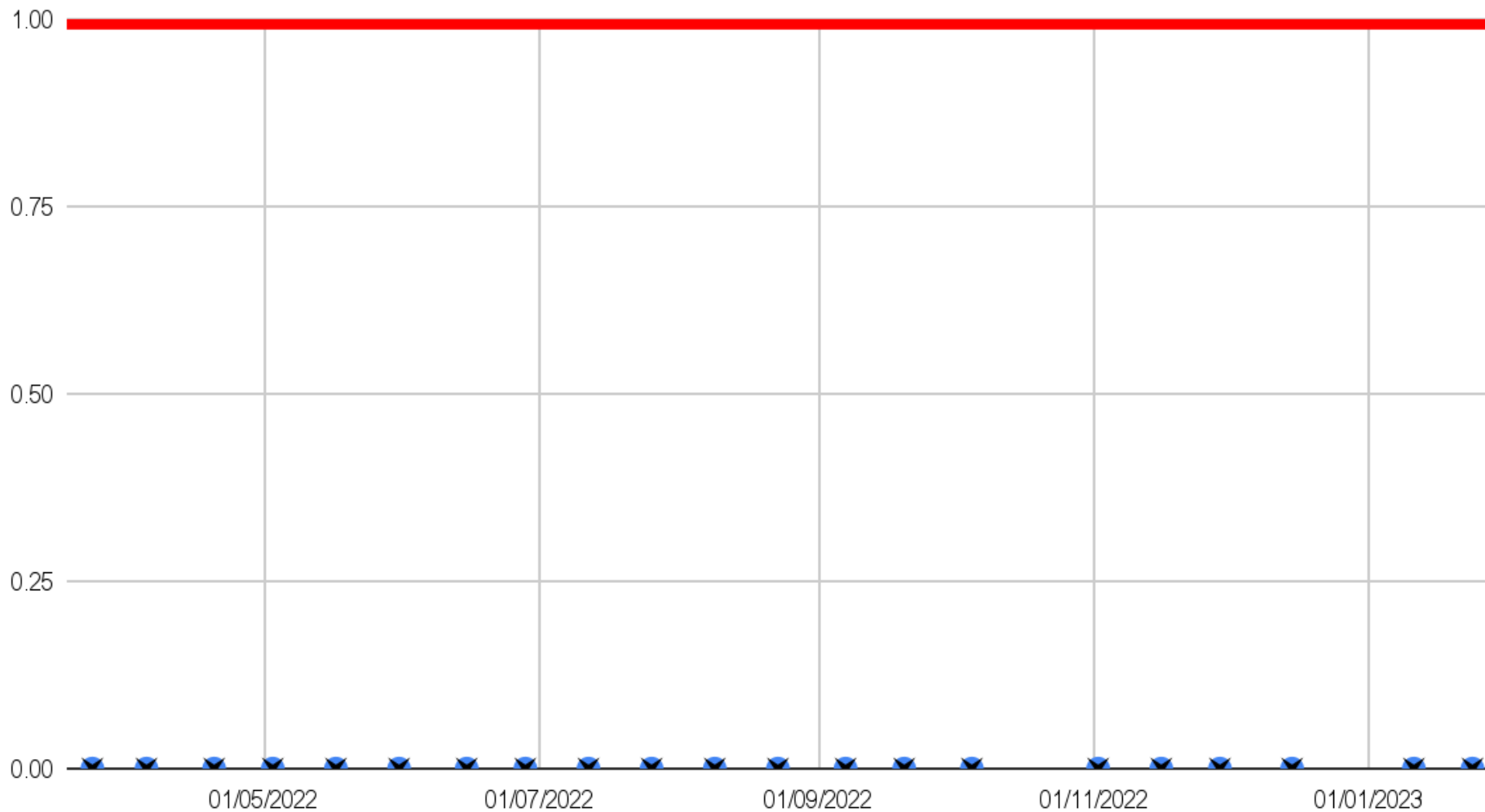


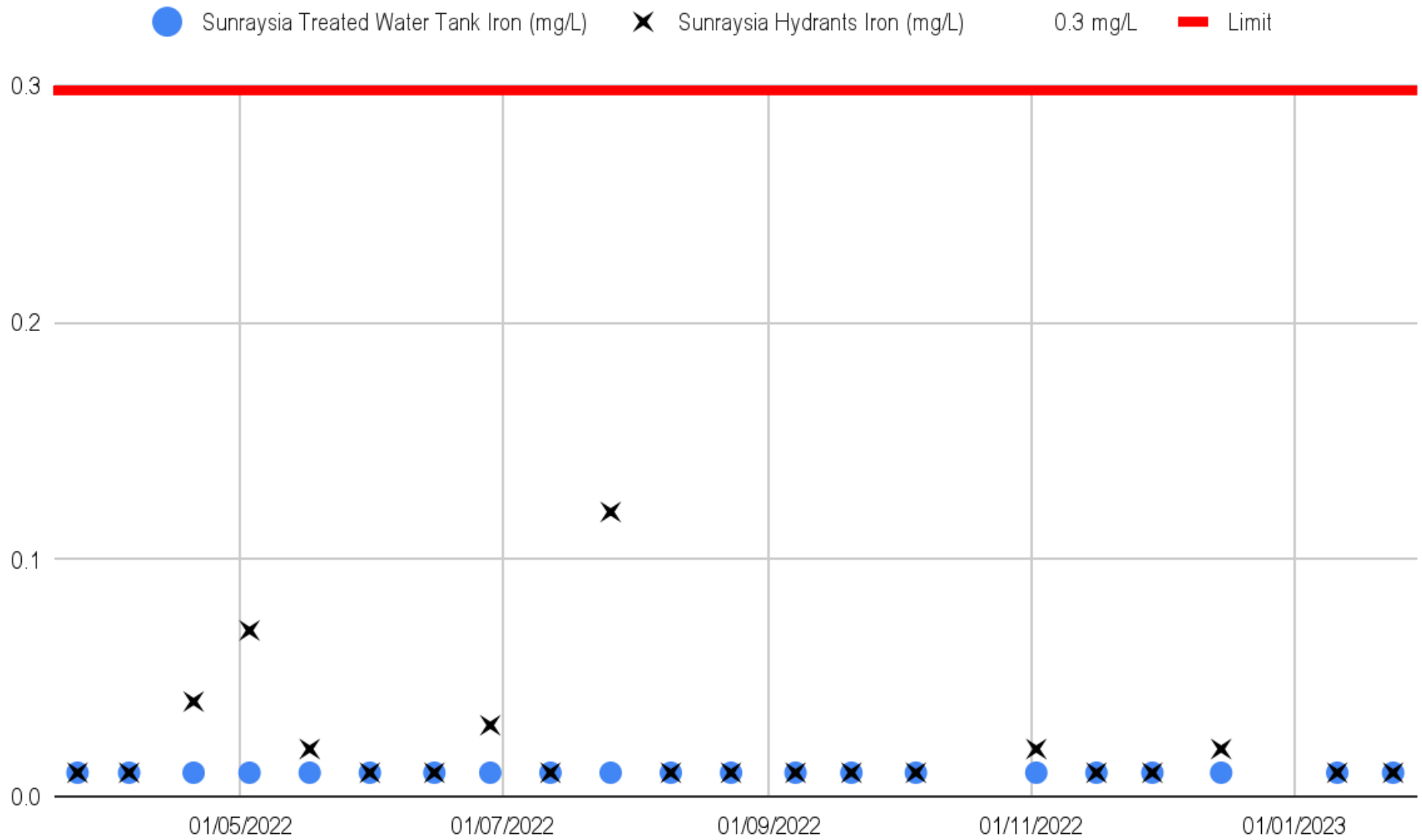
● Sunraysia Treated Water Tank Colour (Pt/Co) ✕ Sunraysia Hydrants Colour (Pt/Co) 15 Pt/Co — Limit



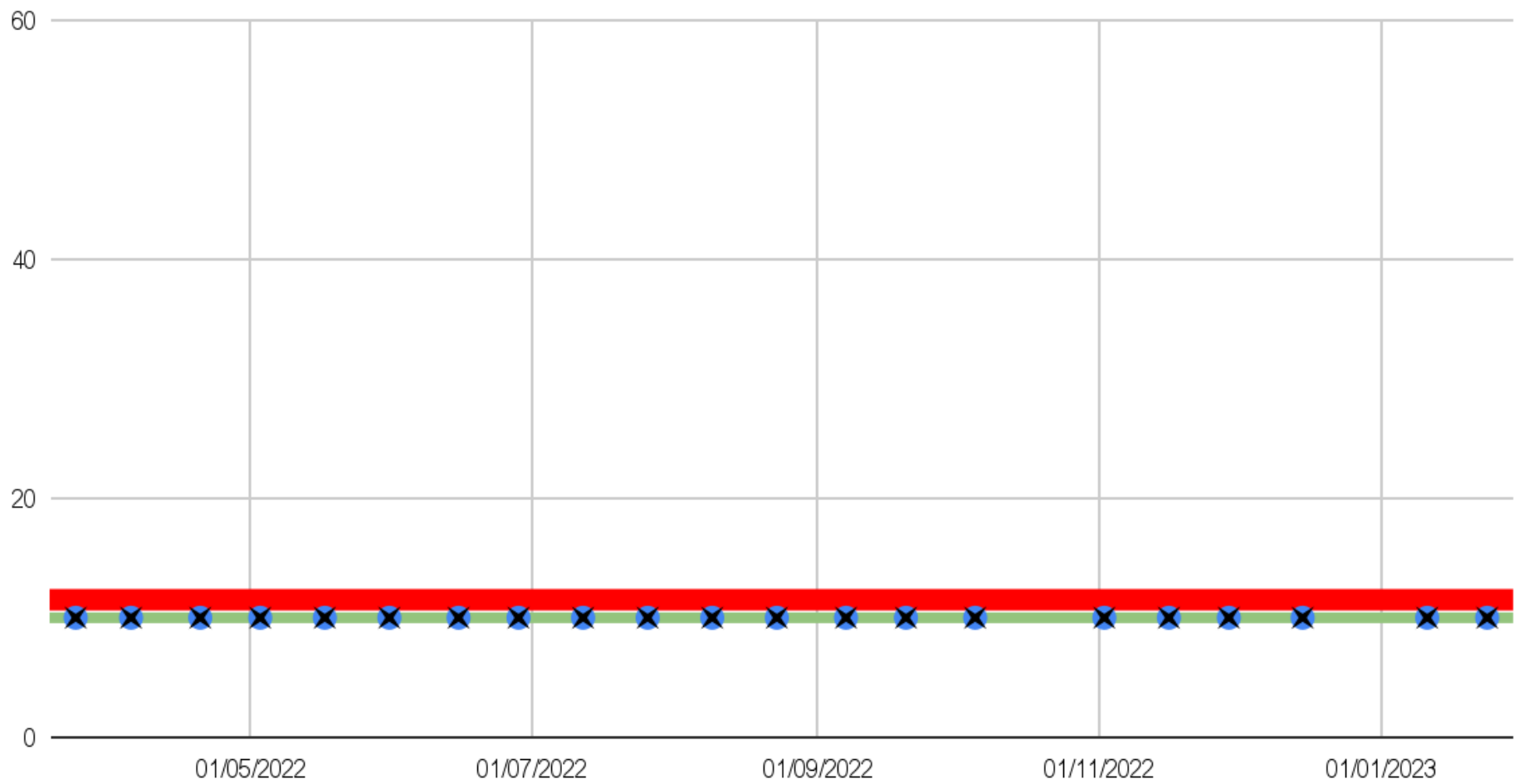


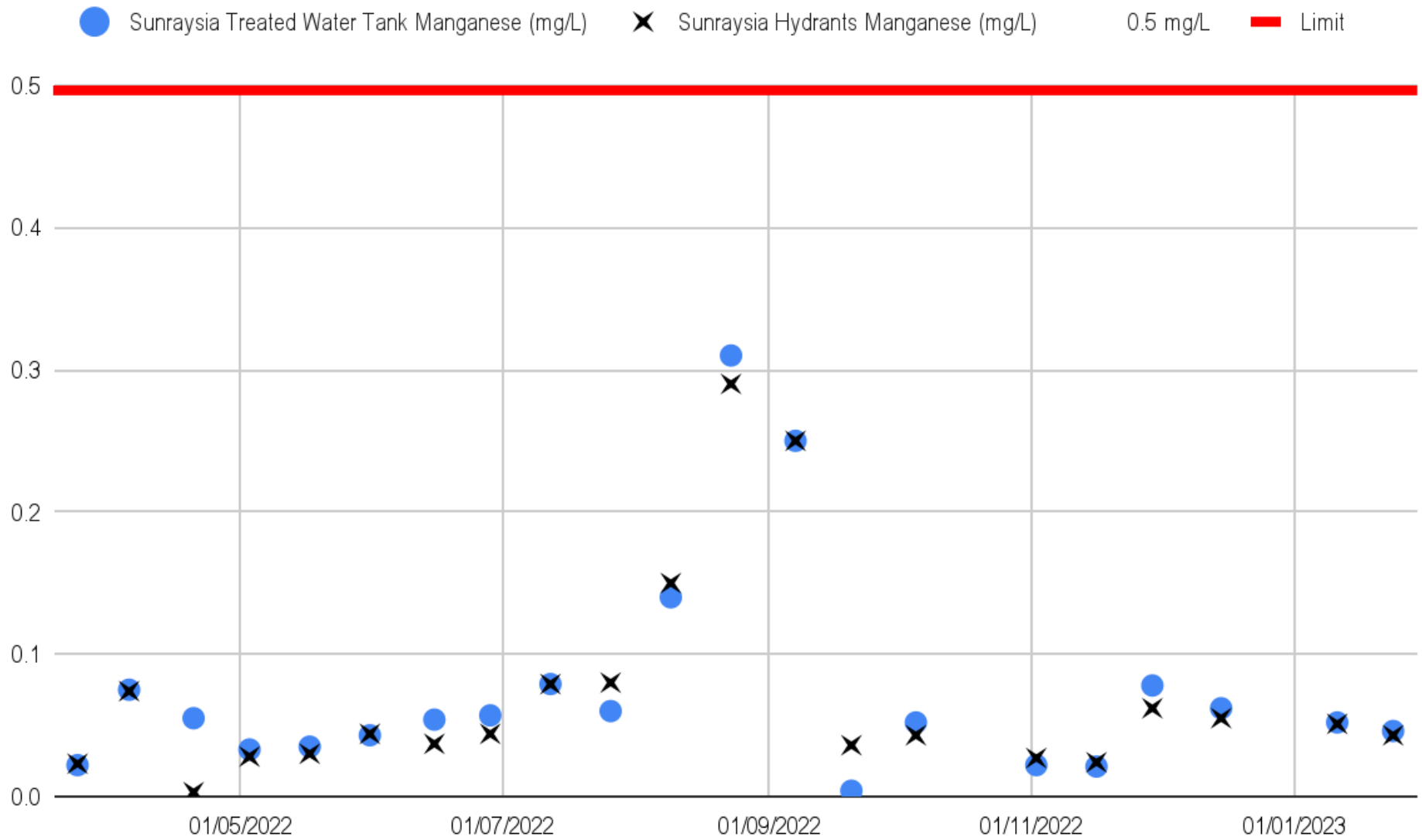
● Sunraysia Treated Water Tank E.coli (CFU/100mL) ✕ Sunraysia Hydrants E.coli (CFU/100mL) 1 cfu/100mL — Limit



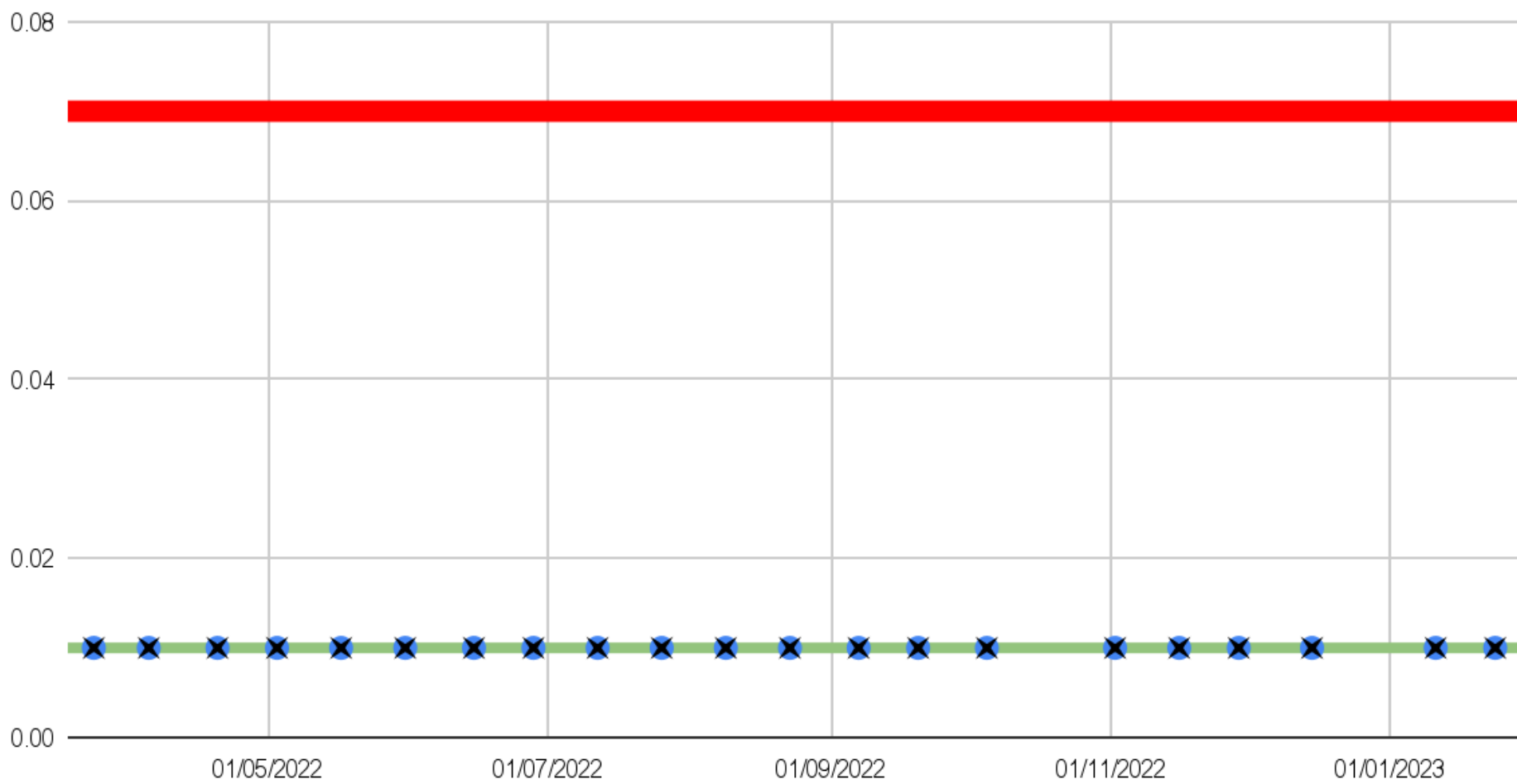


● Sunraysia Treated Water Tank Legionella spp (CFU/mL) ✕ Sunraysia Hydrants Legionella spp (CFU/mL) 10 cfu/mL ■ Limit
Non Detect Results ■

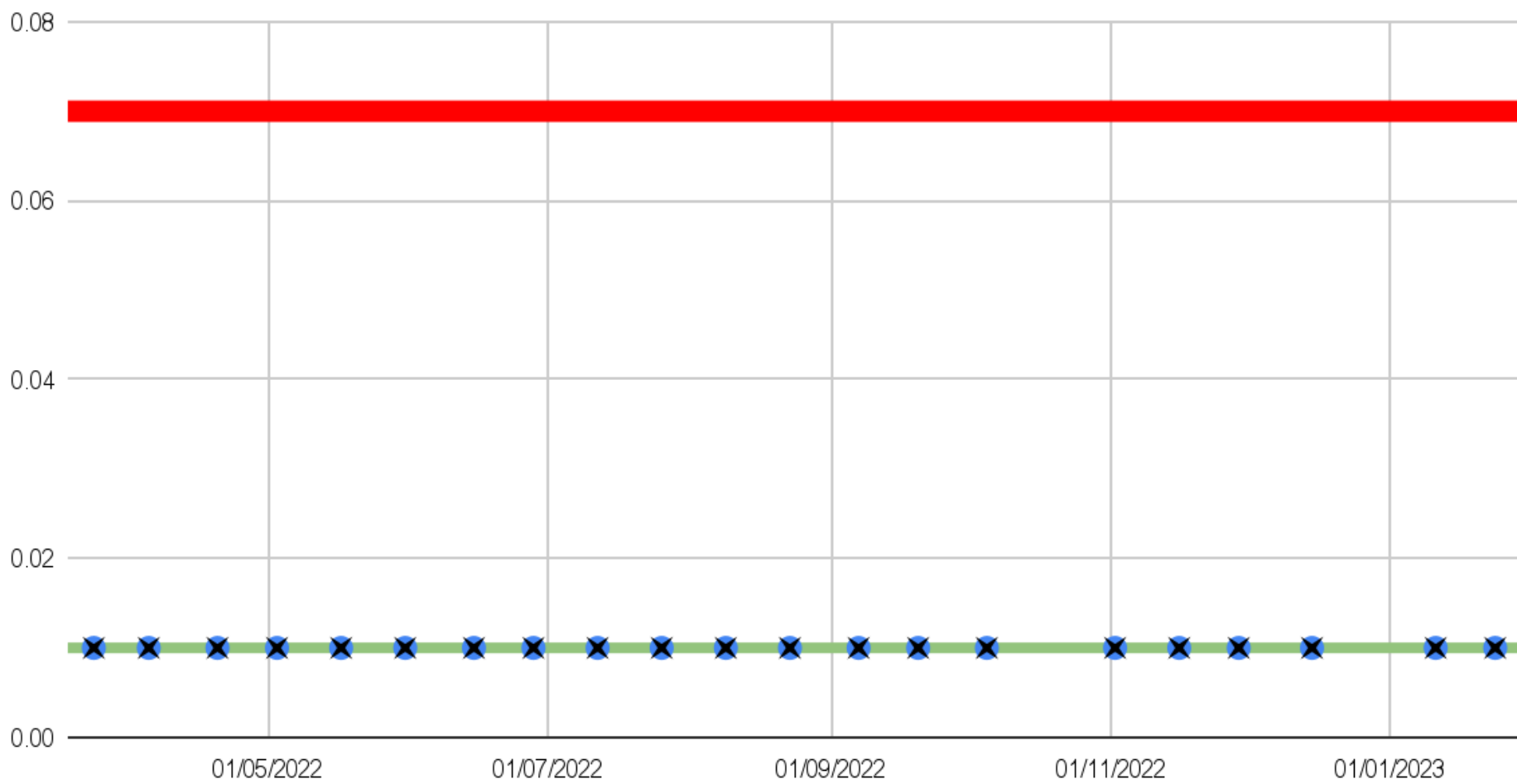




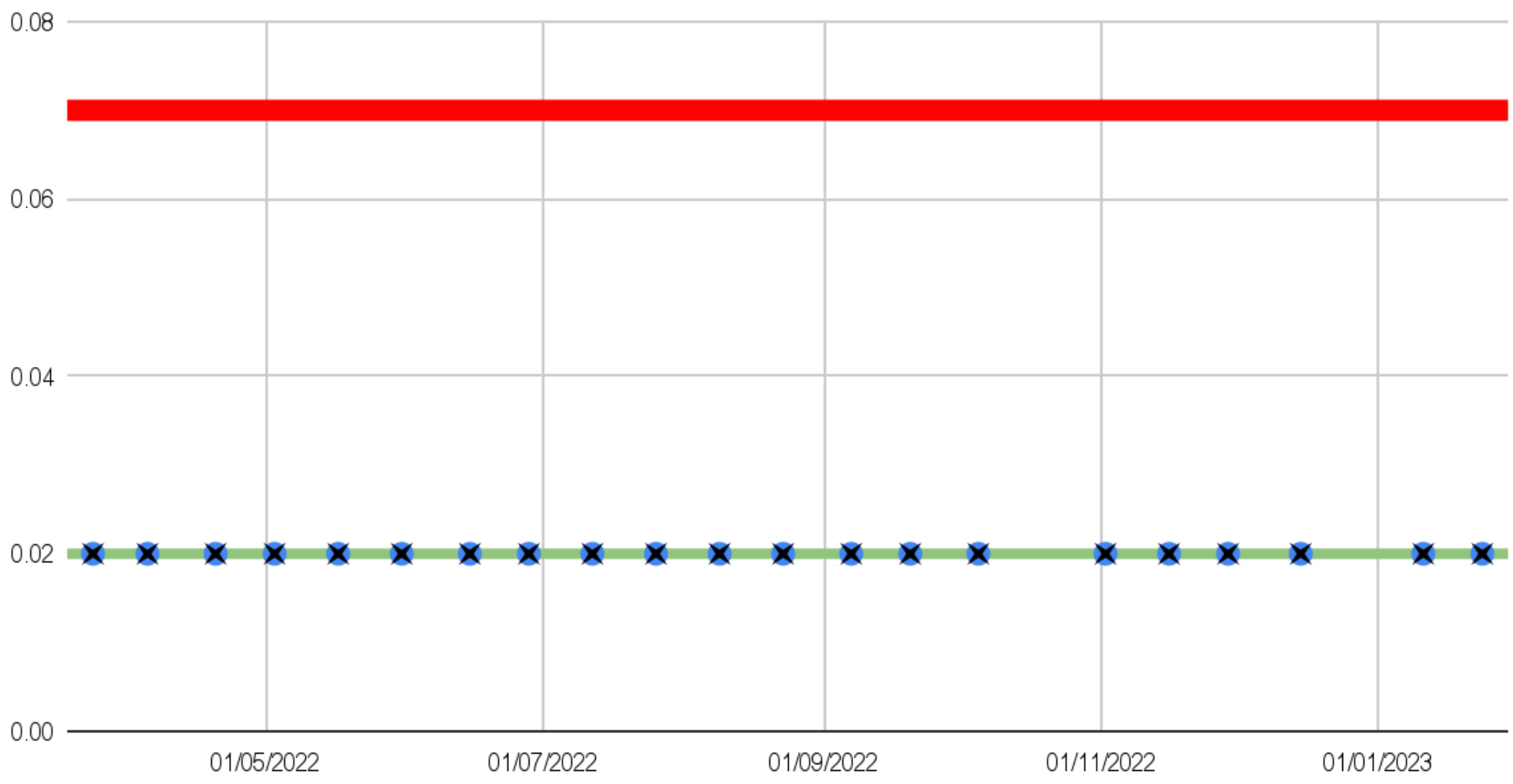
● Sunraysia Treated Water Tank PFOA ($\mu\text{g/L}$) ✕ Sunraysia Hydrants PFOA ($\mu\text{g/L}$) PFOA + PFOS $0.07 \mu\text{g/L}$ ■ Limit
Non Detect Results —



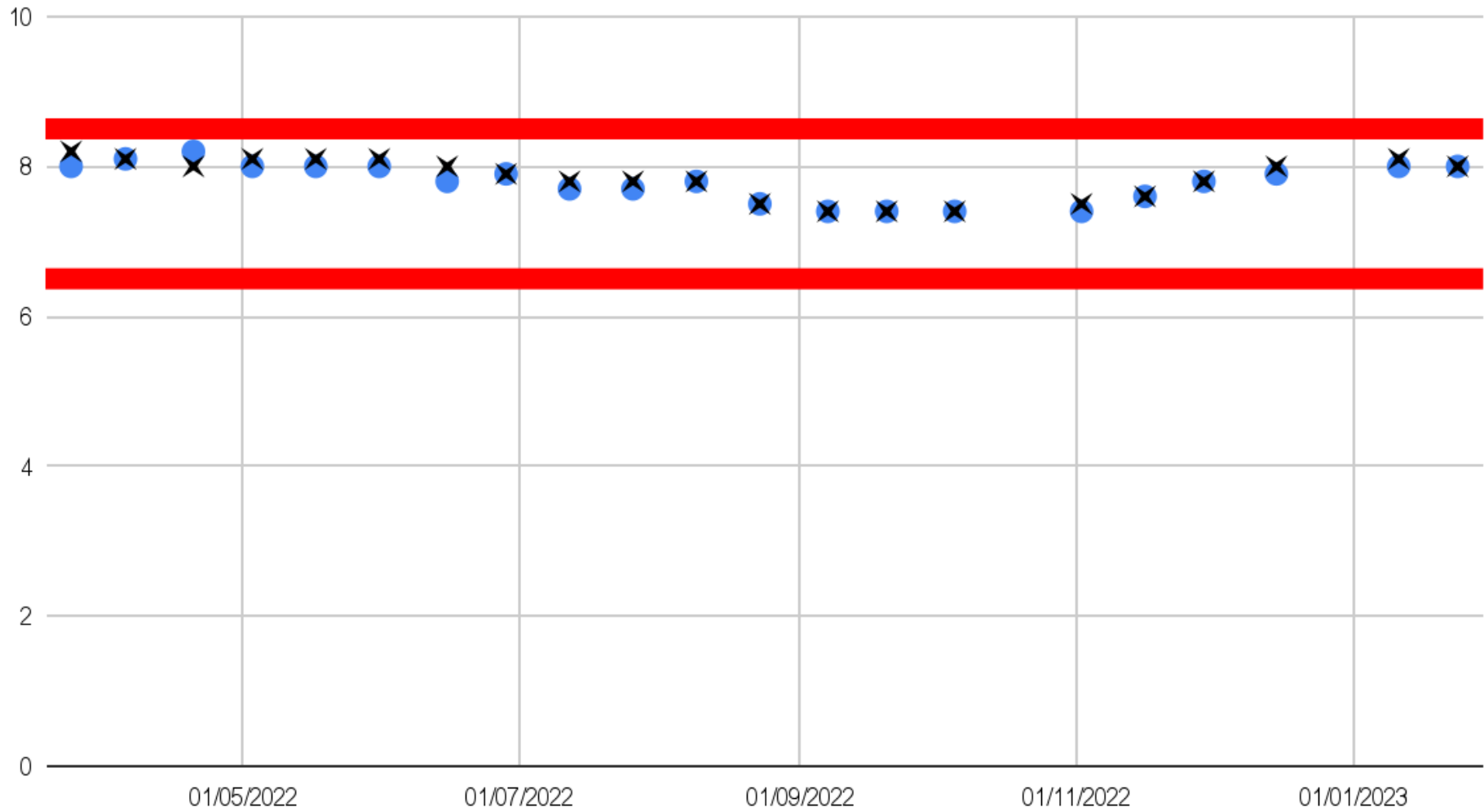
● Sunraysia Treated Water Tank PFOS ($\mu\text{g/L}$) ✕ Sunraysia Hydrants PFOS ($\mu\text{g/L}$) PFOA + PFOS 0.07 $\mu\text{g/L}$ — Limit
Non Detect Results —

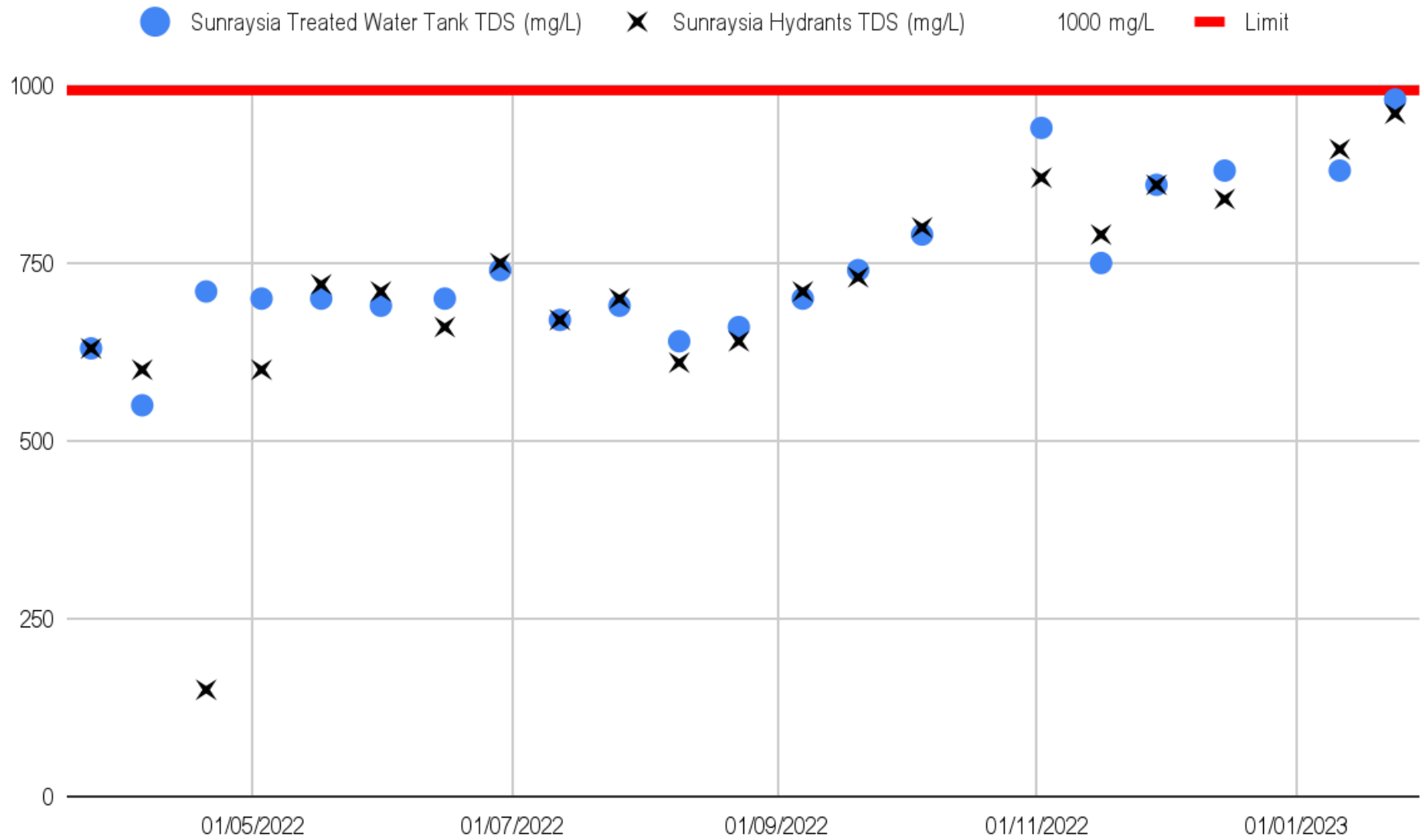


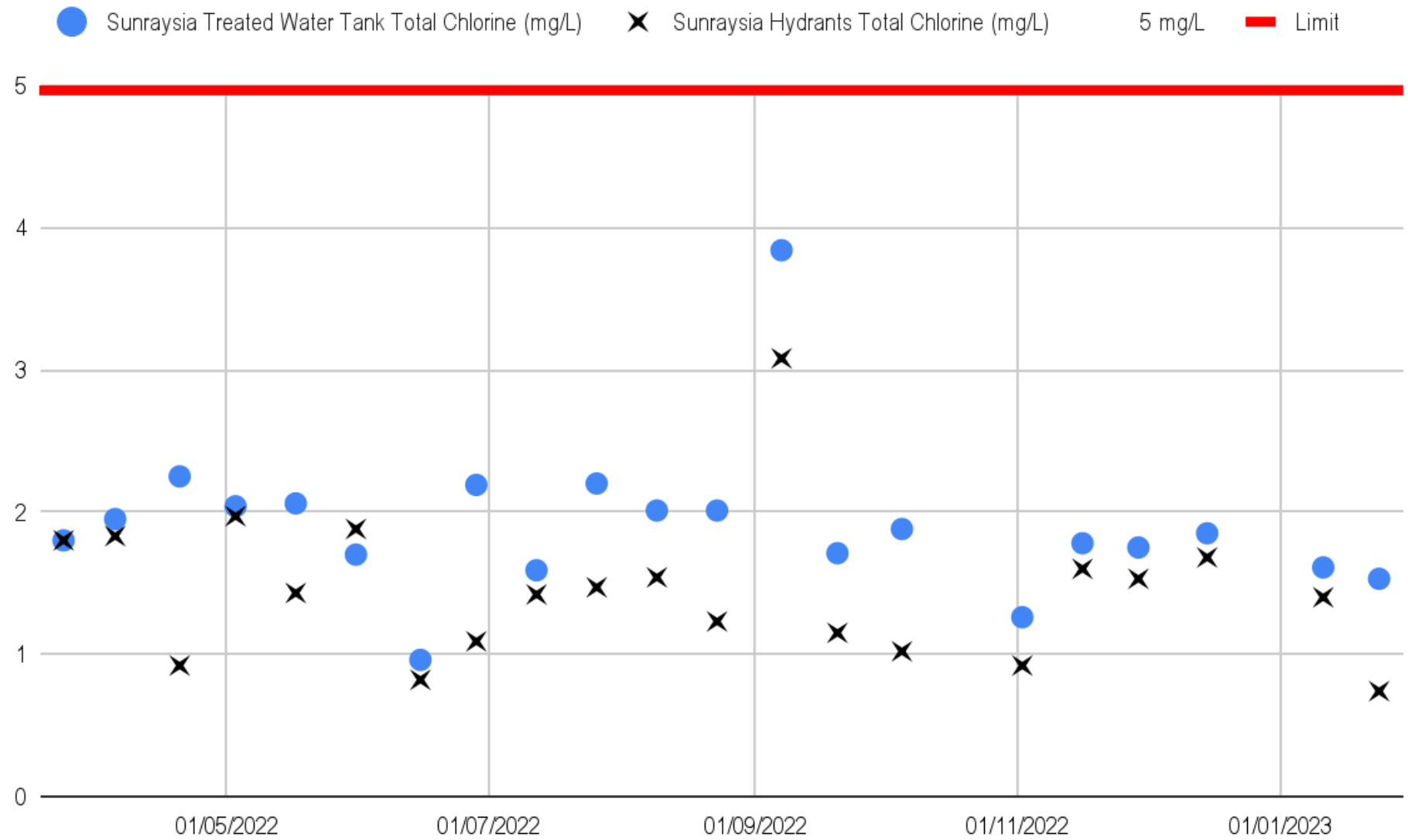
● Sunraysia Treated Water Tank PFHxS ($\mu\text{g/L}$) ✕ Sunraysia Hydrants PFHxS ($\mu\text{g/L}$) PFOS + PFHxS $\mu\text{g/L}$ ■ Limit
Non Detect Results —

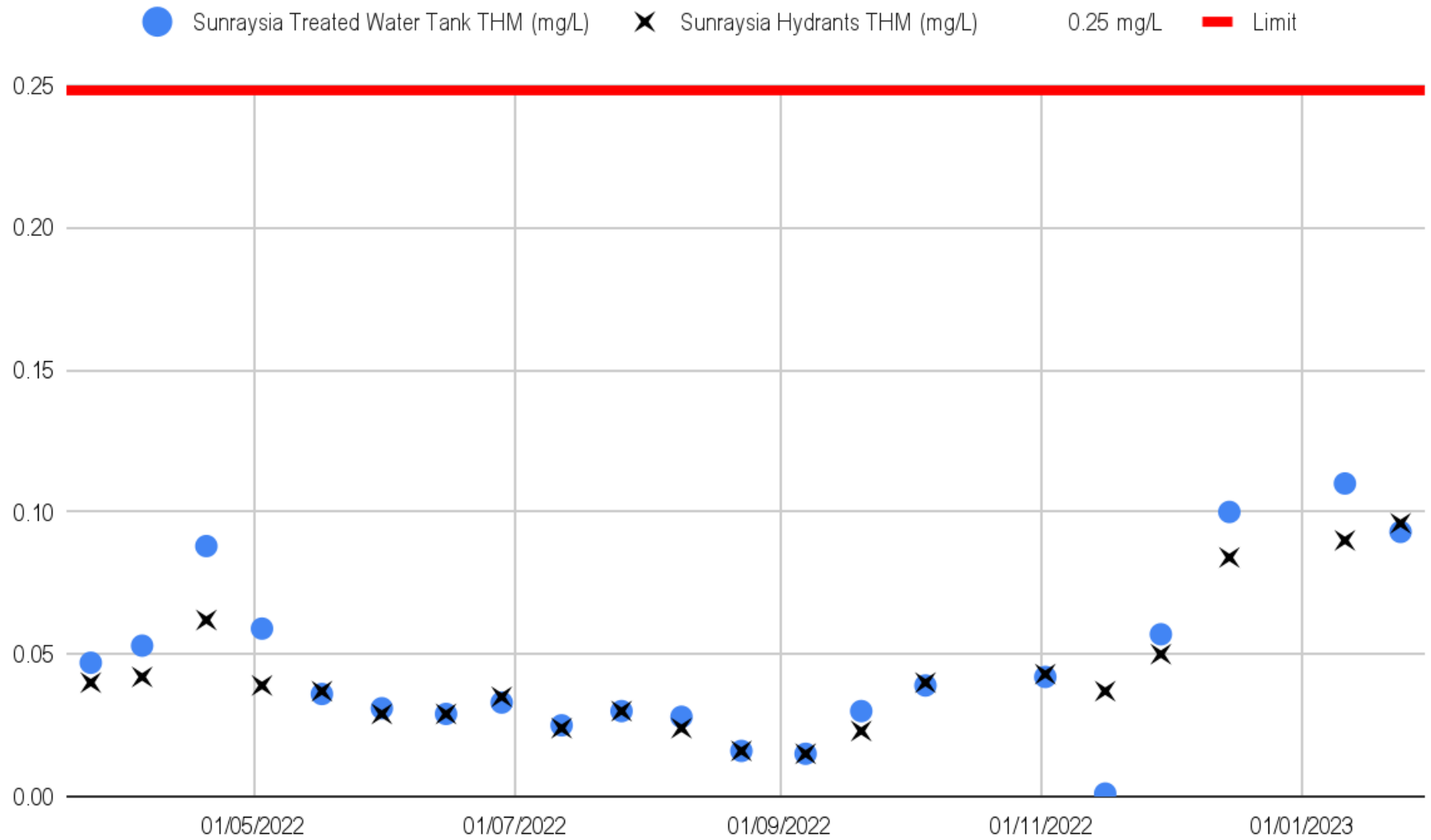


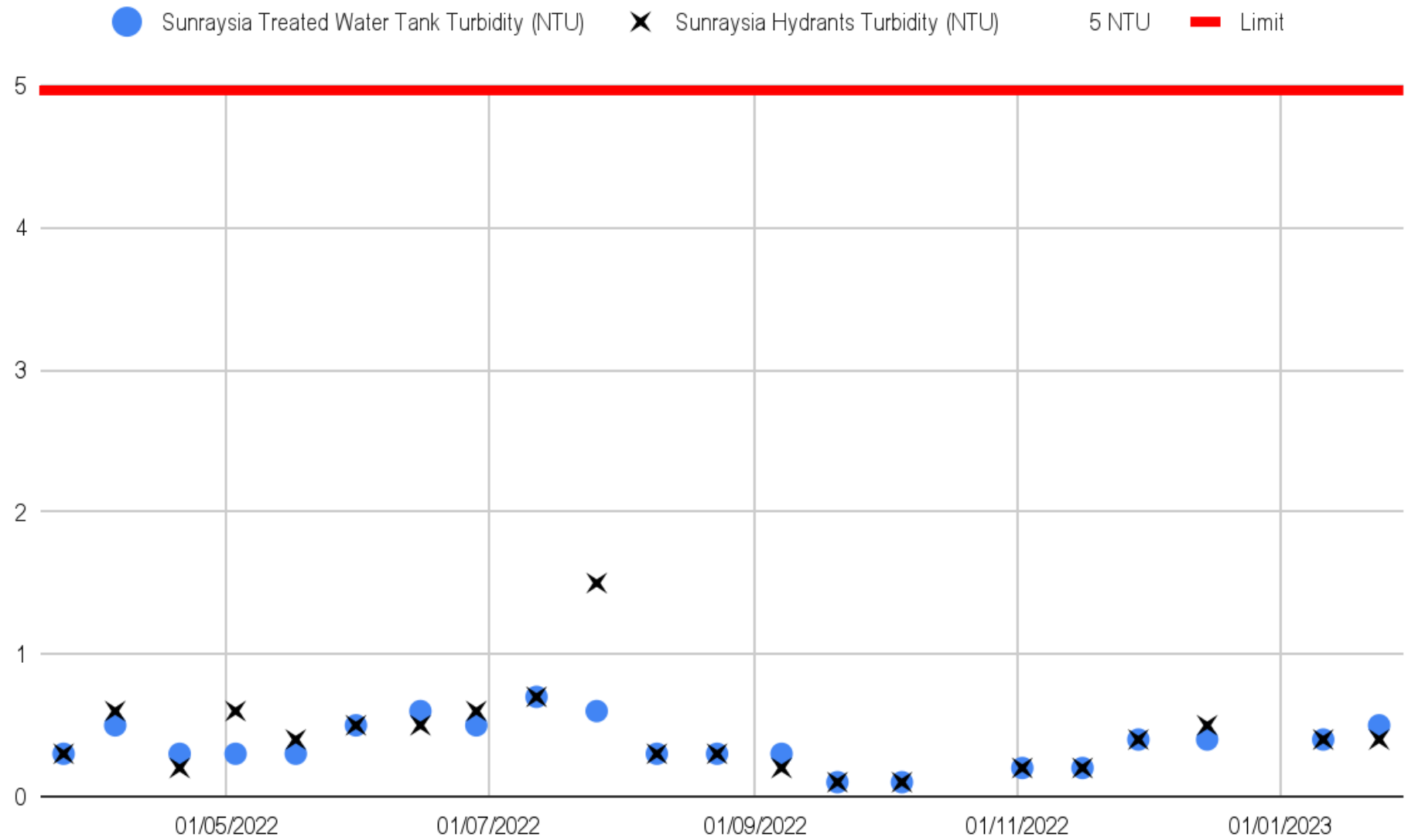
● Sunraysia Treated Water Tank pH (-) ✕ Sunraysia Hydrants pH (-) 6.5 Limit 8.5 Limit



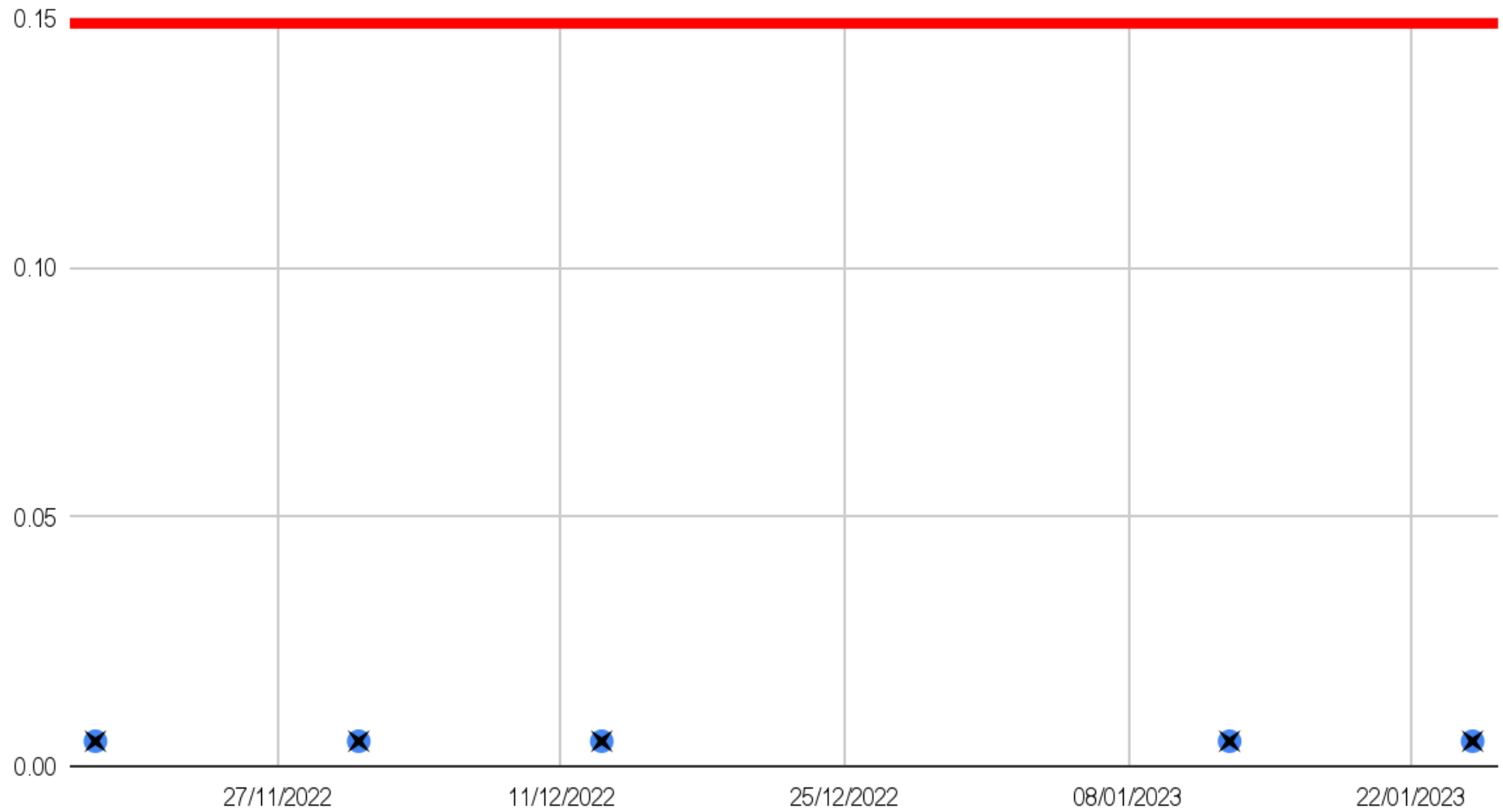




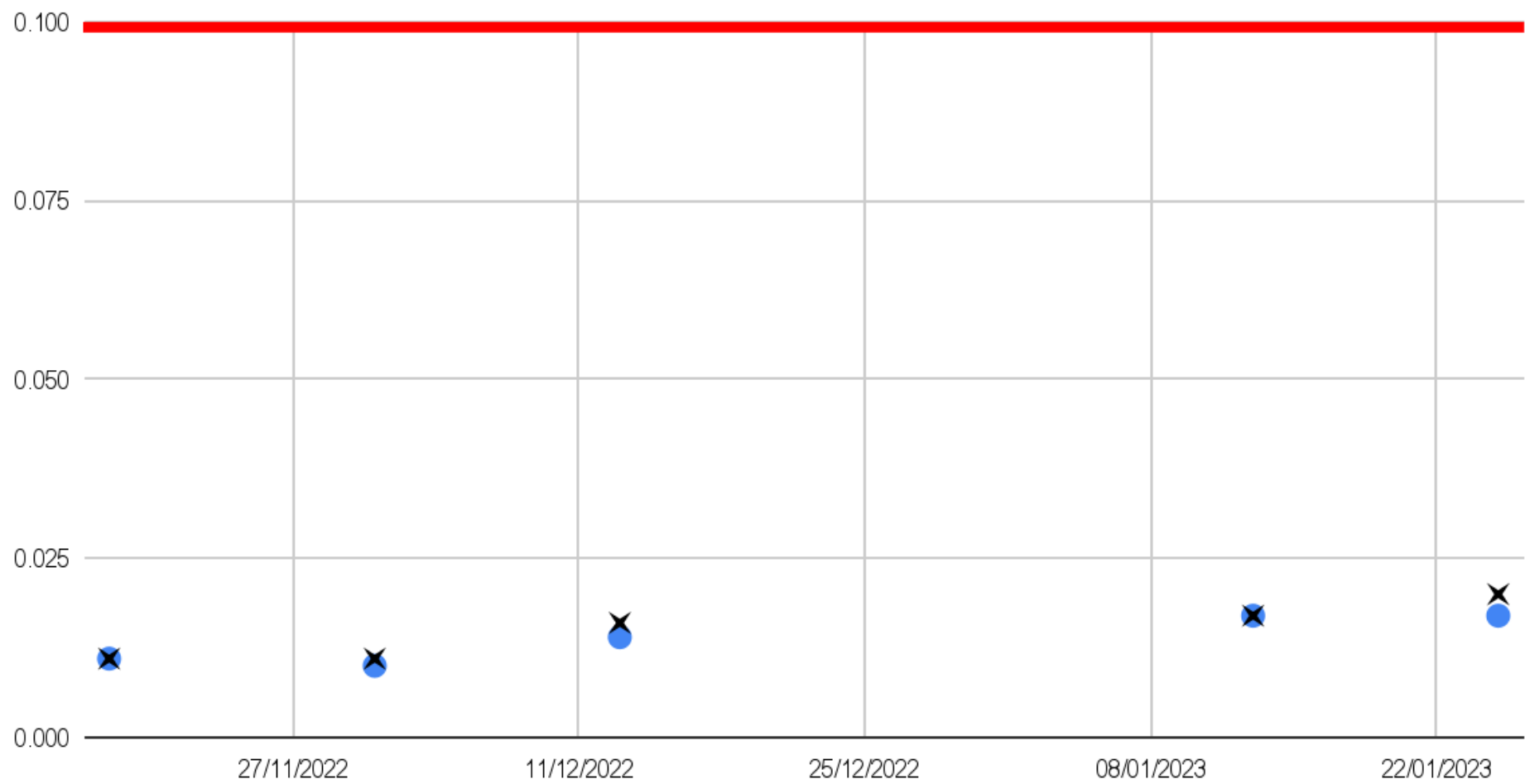




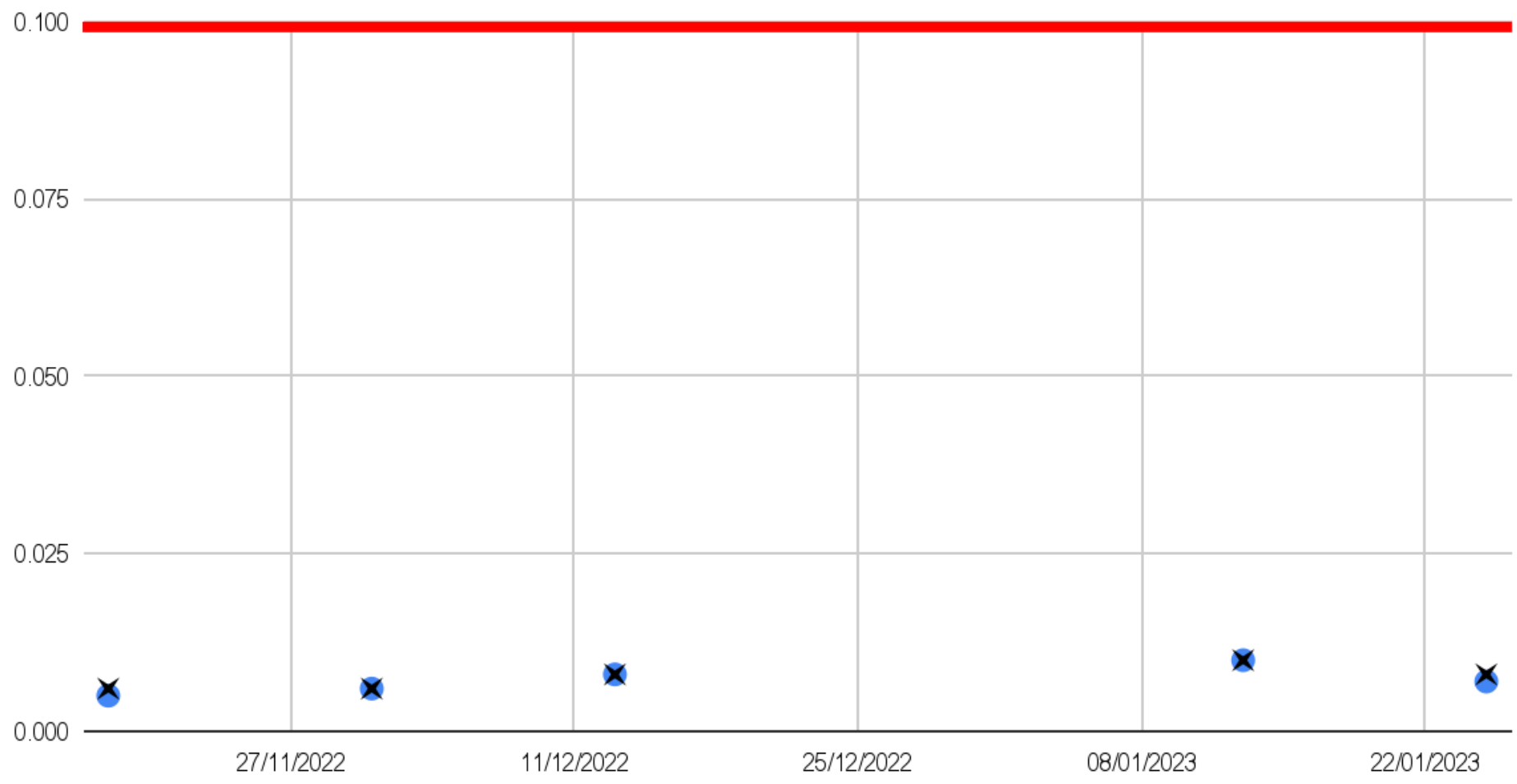
● Bangholme Treated Water Tank Chloroacetic Acid (mg/L) ✕ Bangholme Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L — Limit



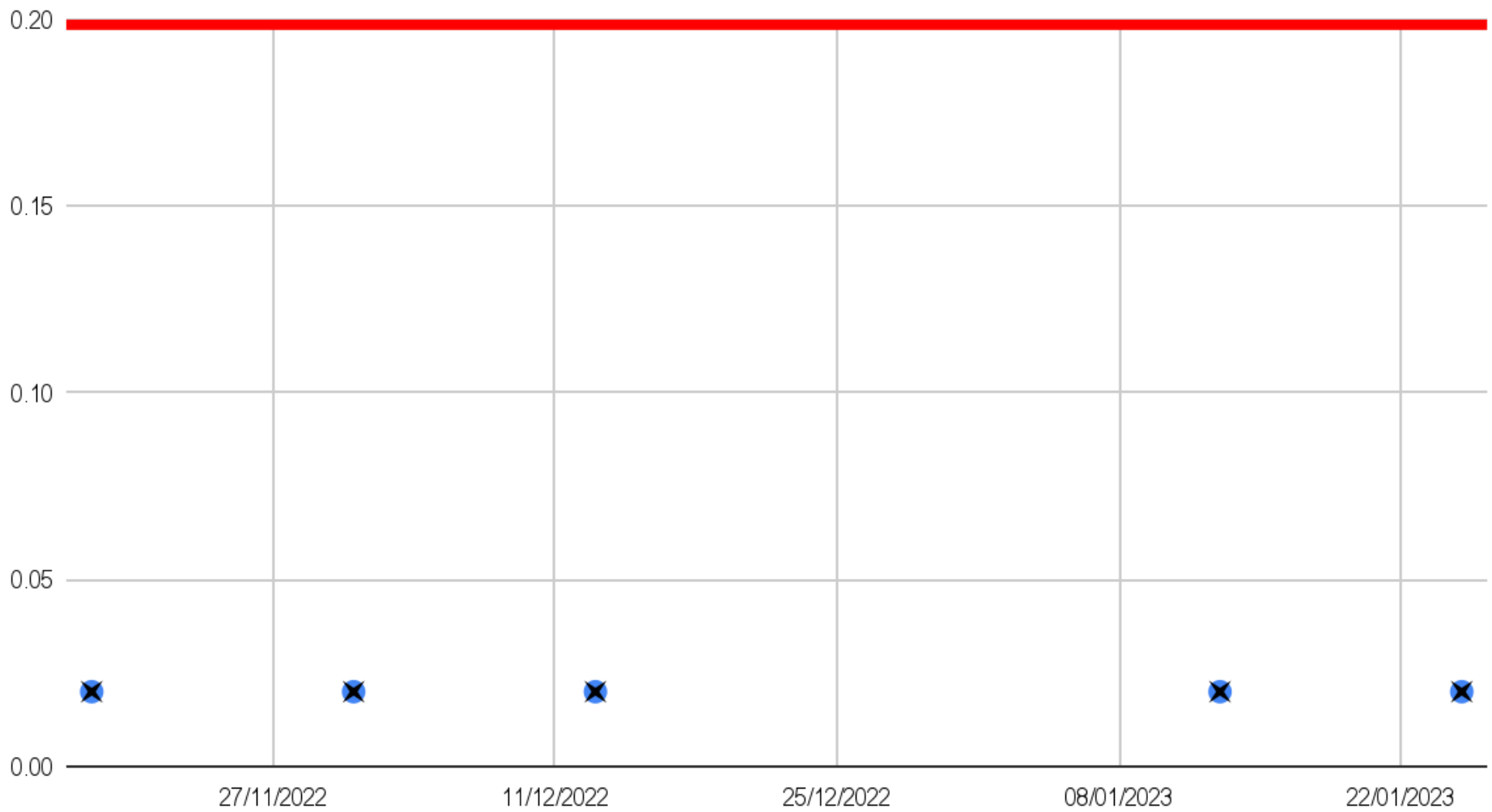
● Bangholme Treated Water Tank Dichloroacetic Acid (mg/L) ✕ Bangholme Hydrants Dichloroacetic Acid (mg/L)
0.1 mg/L — Limit



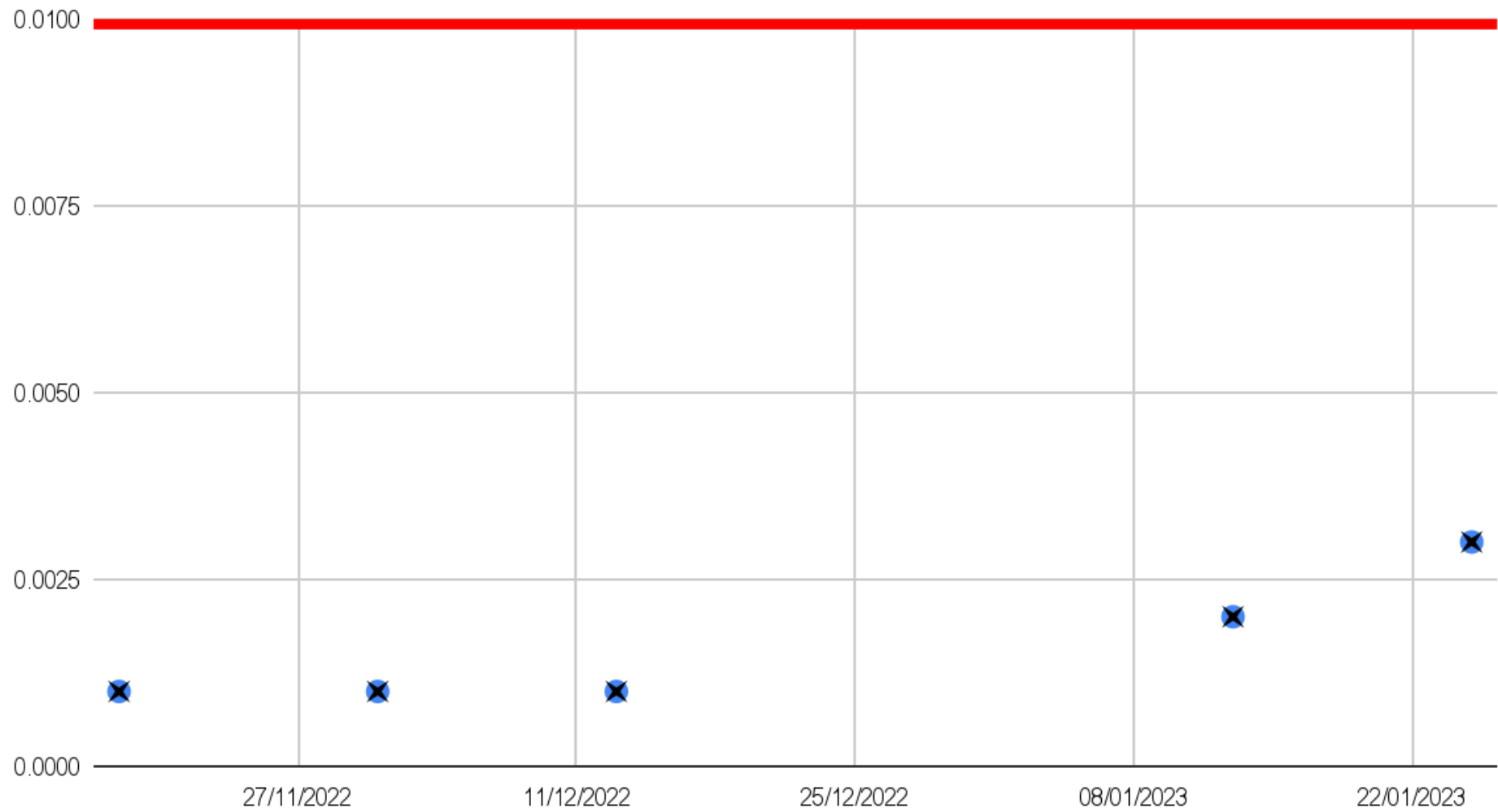
● Bangholme Treated Water Tank Trichloroacetic Acid (mg/L) ✕ Bangholme Hydrants Trichloroacetic Acid (mg/L)
0.1 mg/L — Limit



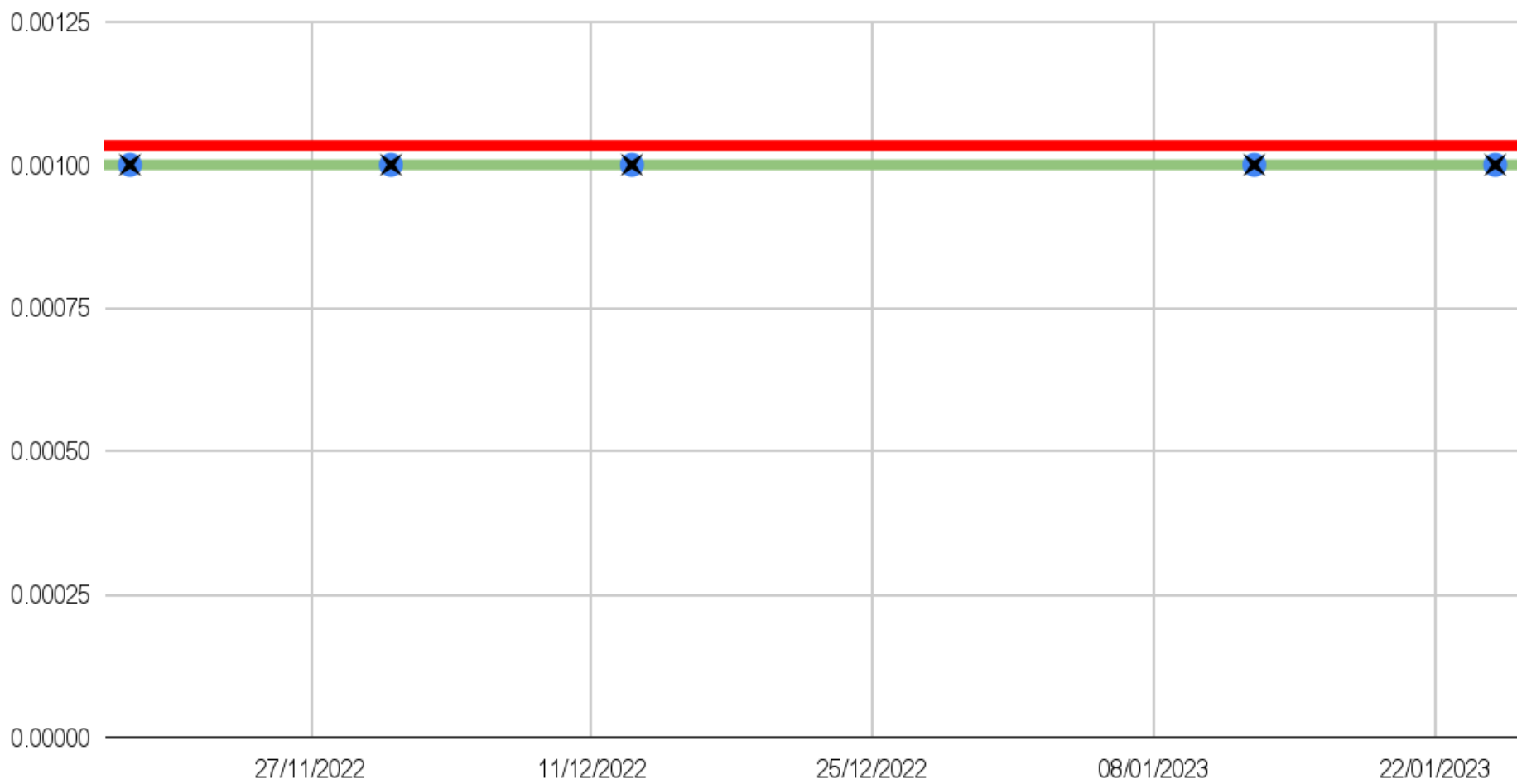
● Bangholme Treated Water Tank Acid Soluble Aluminium (mg/L) ✕ Bangholme Hydrants Acid Soluble Aluminium (mg/L) 0.2 mg/L ■ Limit

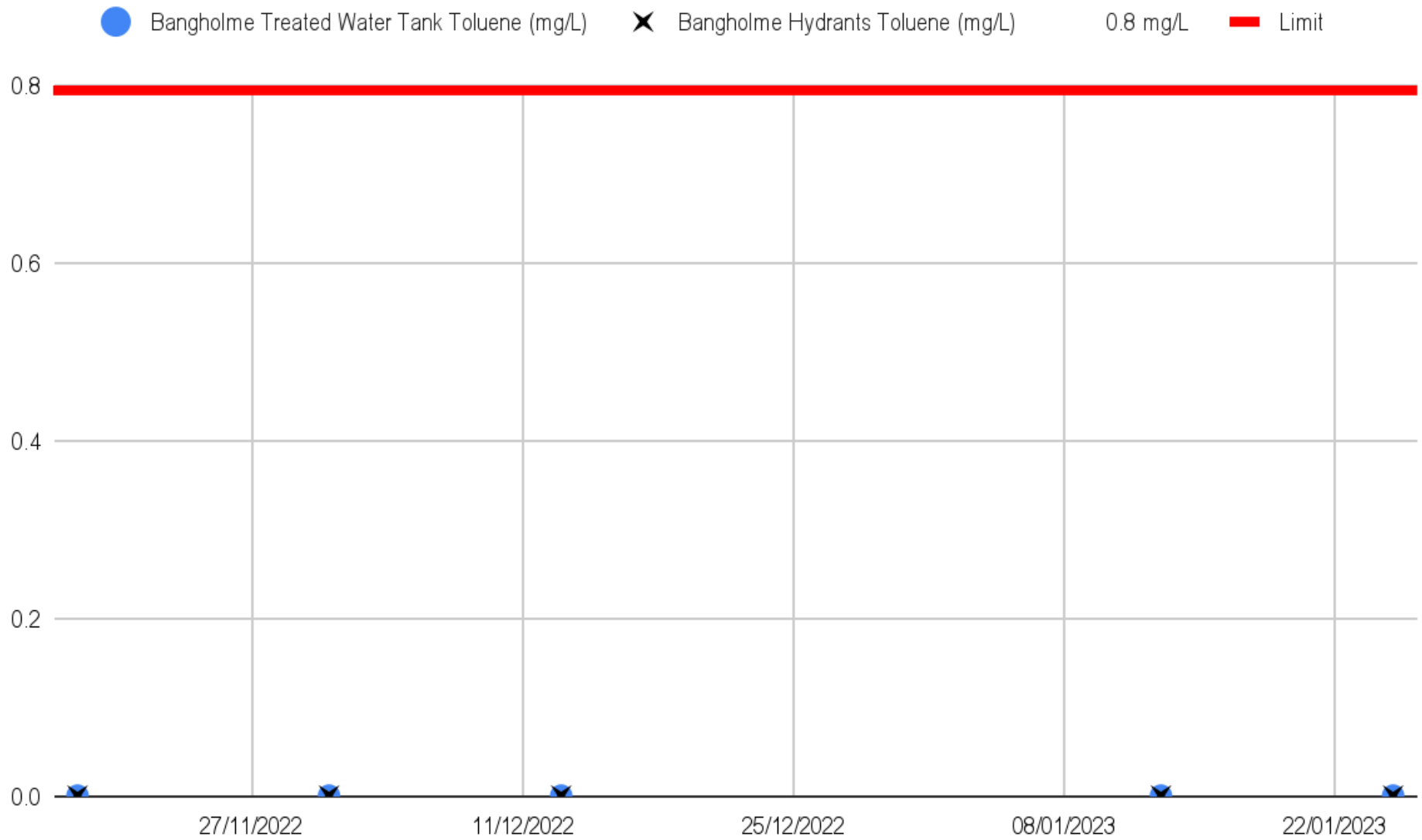


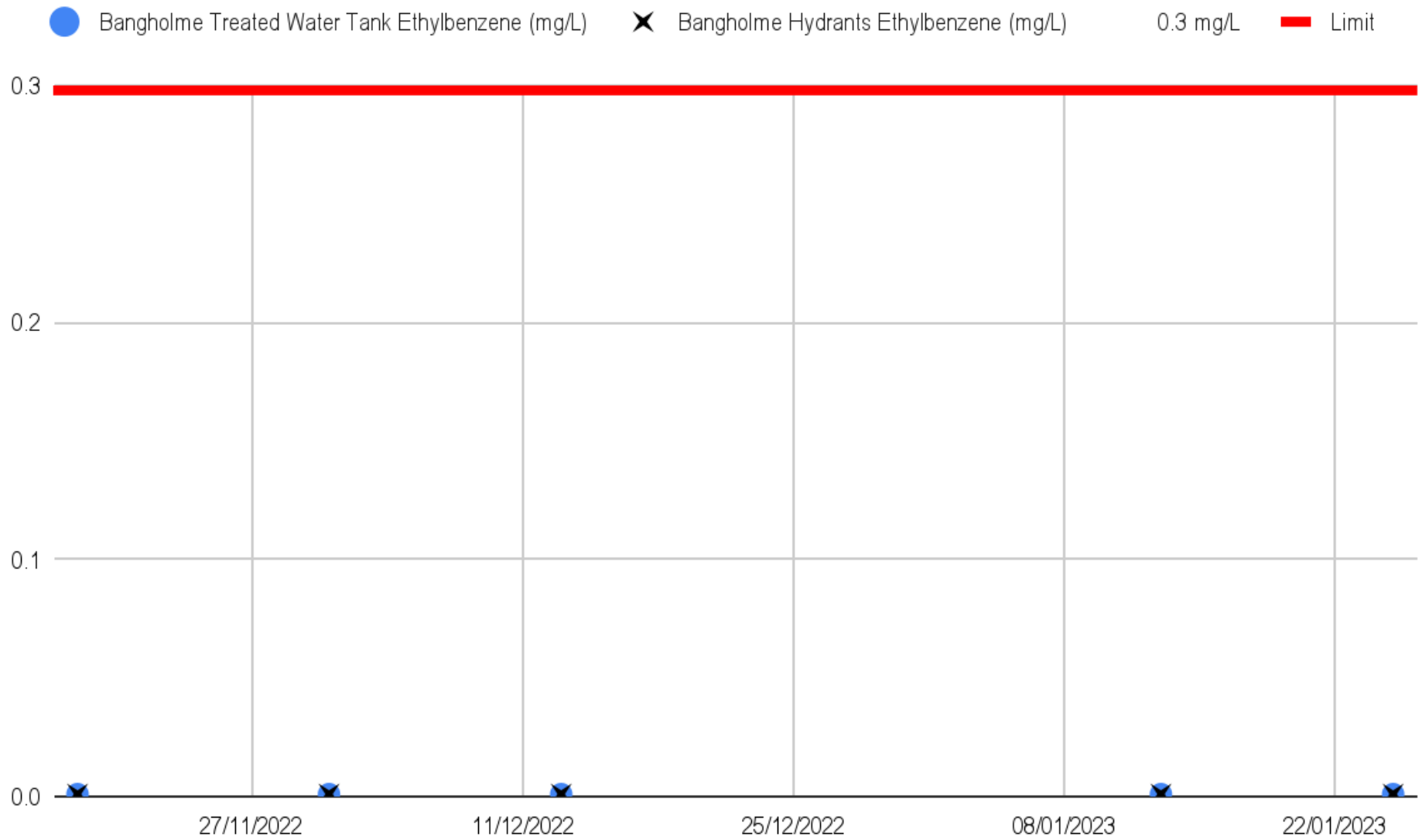
● Bangholme Treated Water Tank Arsenic (mg/L) ✕ Bangholme Hydrants Arsenic (mg/L) 0.01 mg/L — Limit

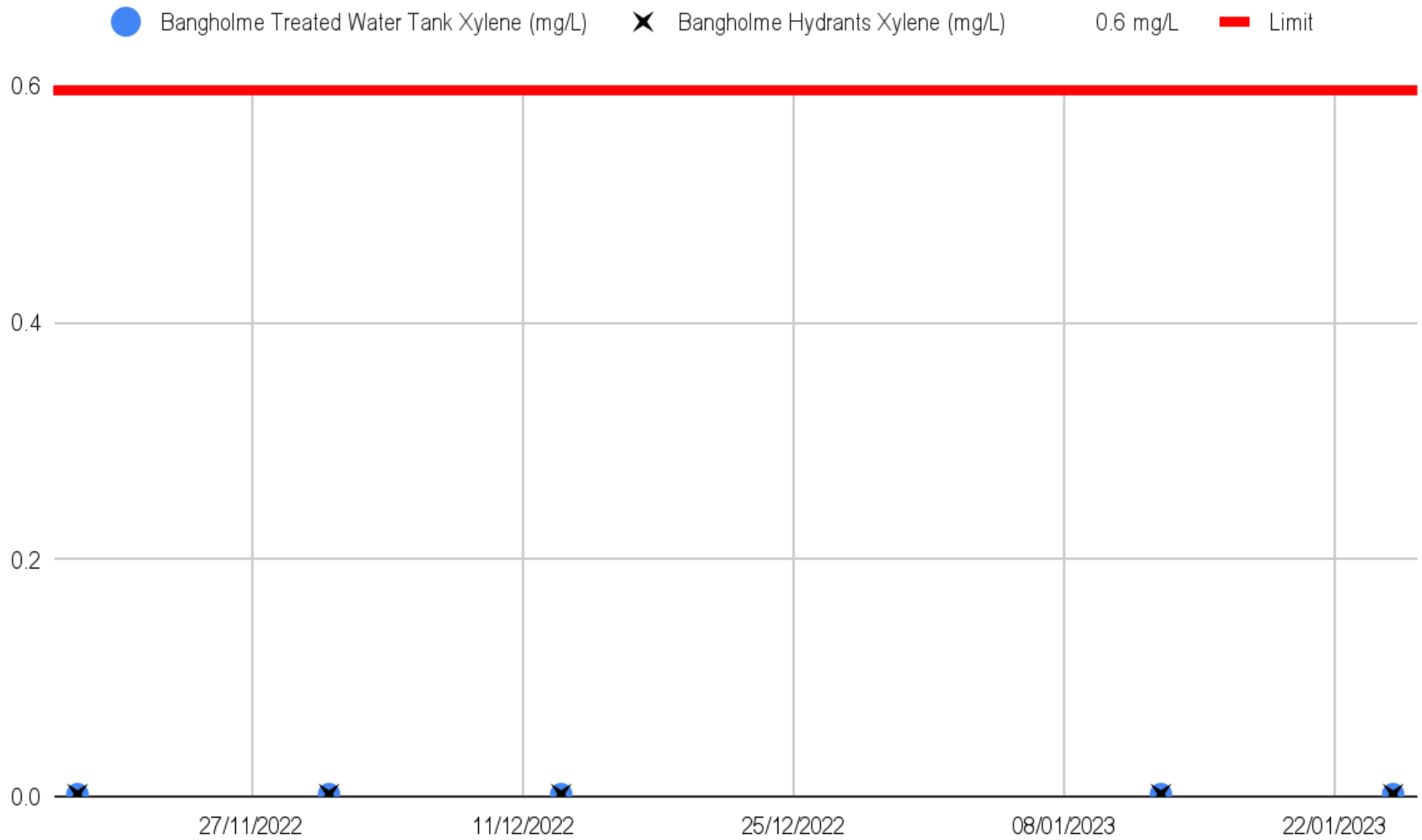


● Bangholme Treated Water Tank Benzene (mg/L) ✕ Bangholme Hydrants Benzene (mg/L) 0.001 mg/L — Limit
Non Detect Results —

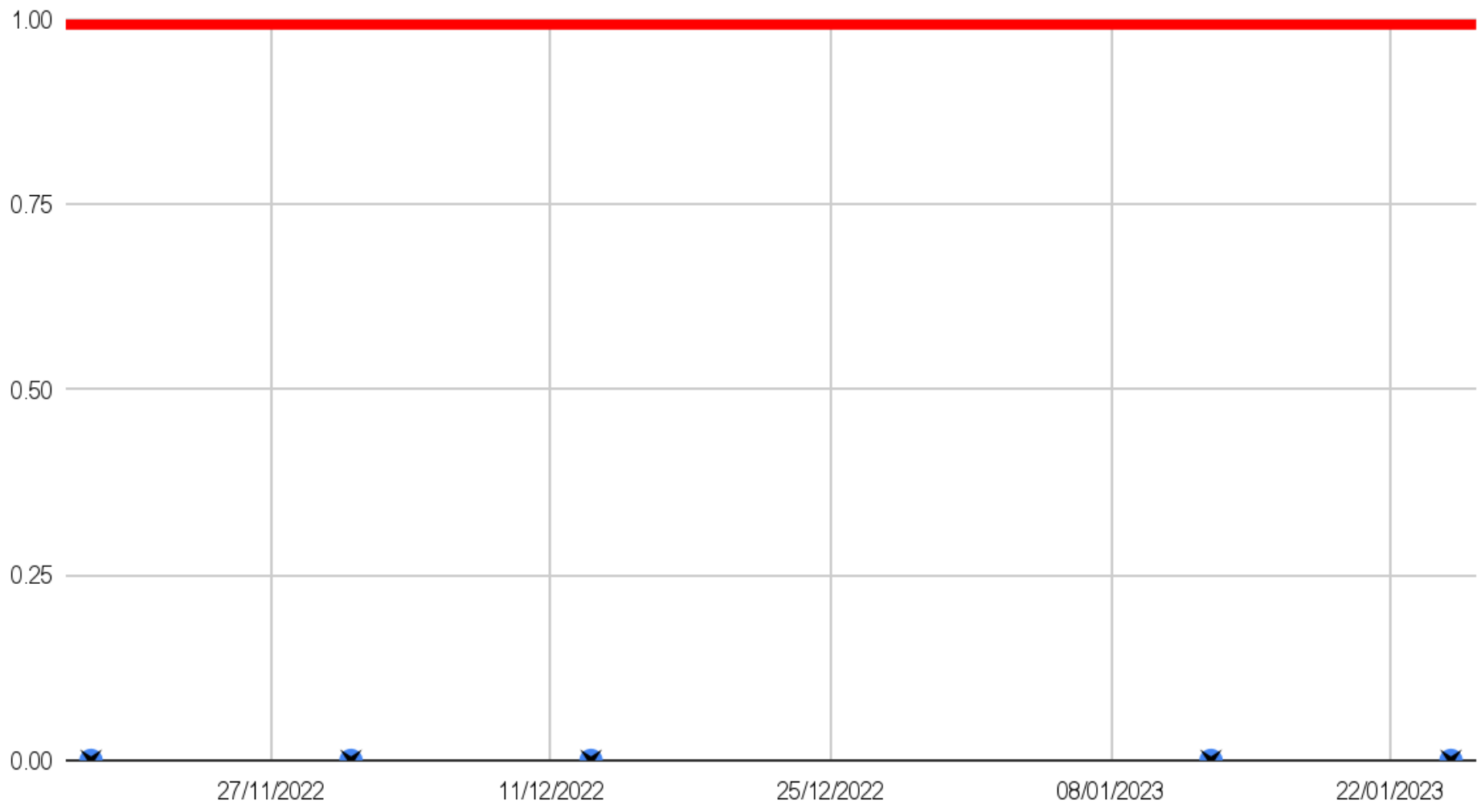




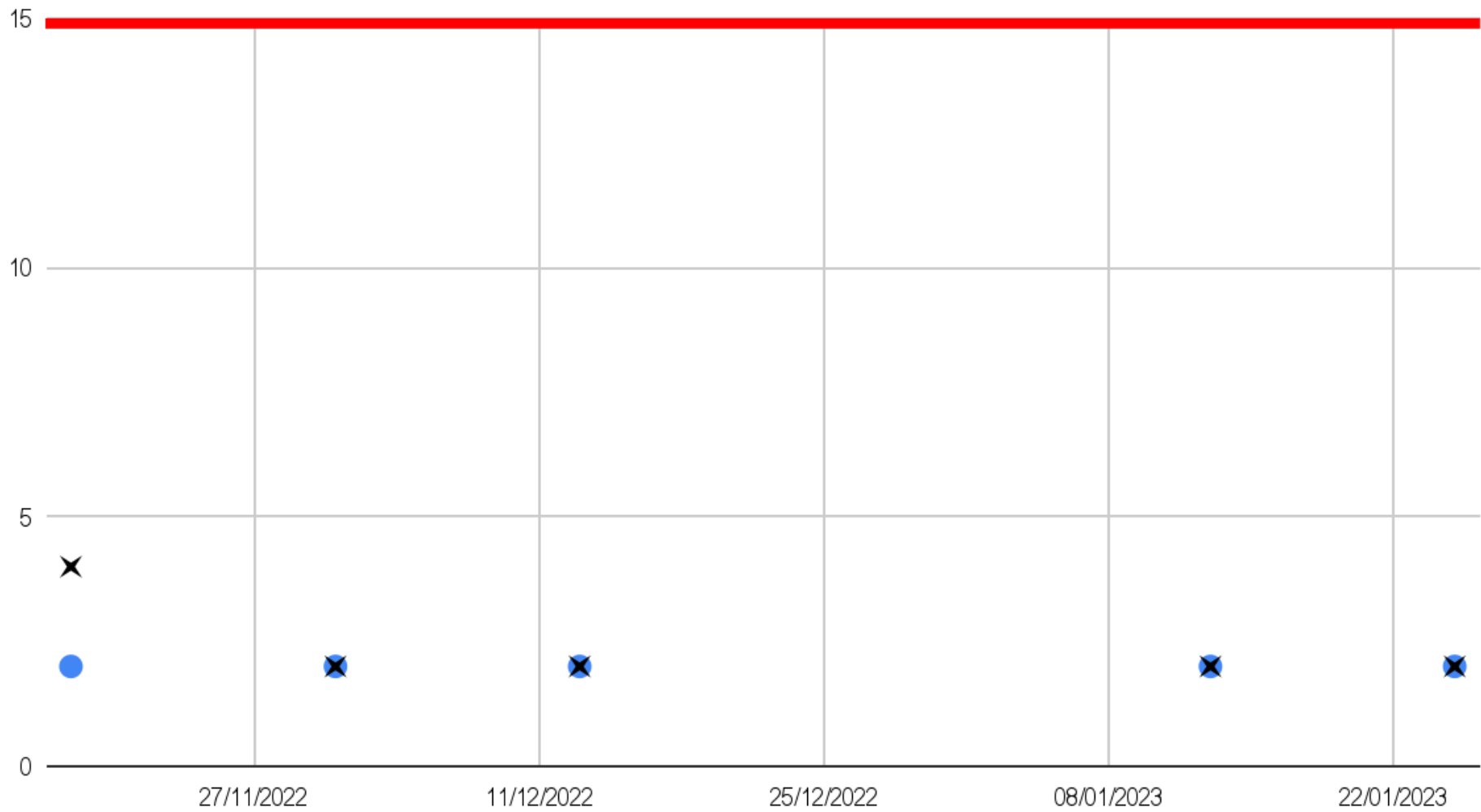


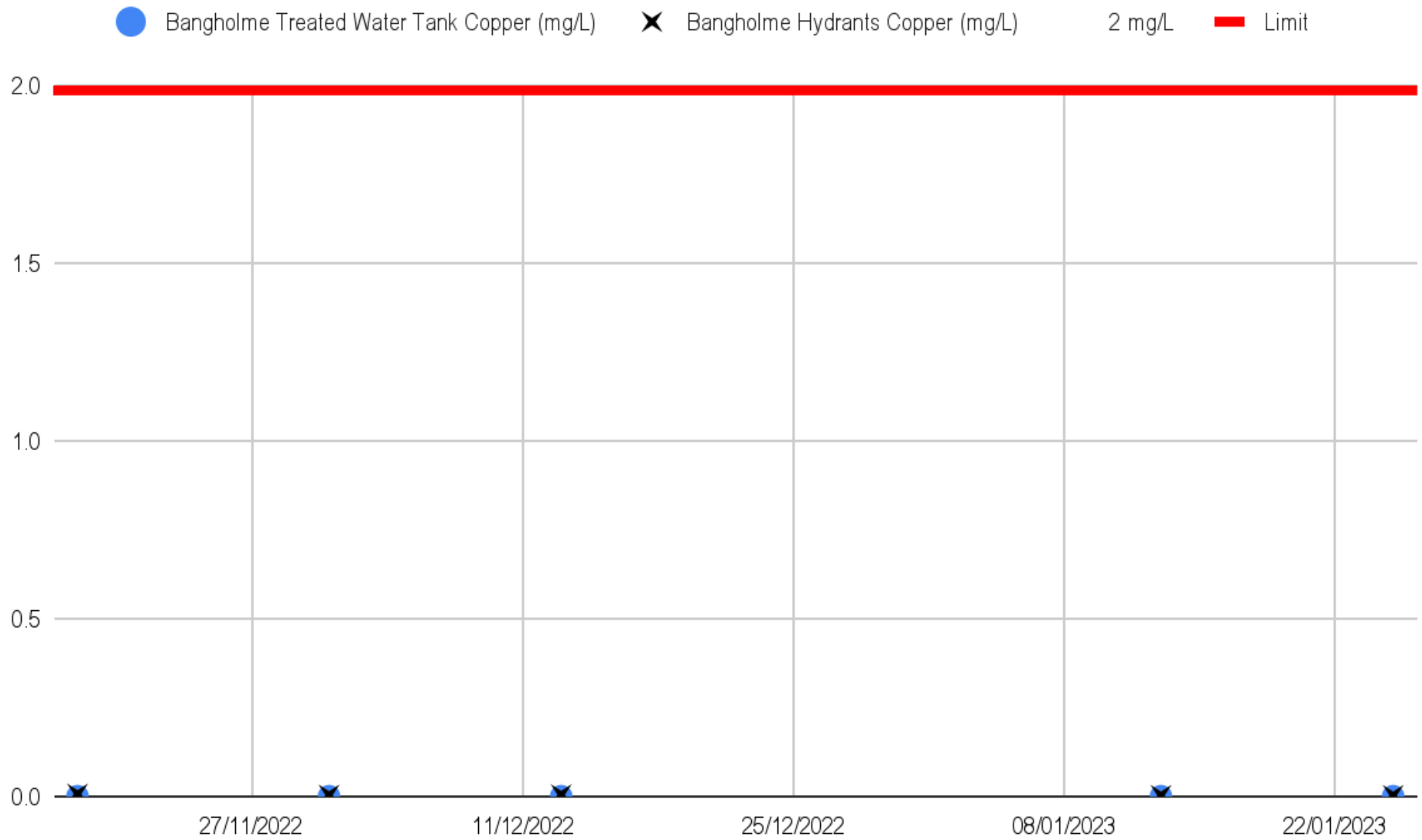


● Bangholme Treated Water Tank Coliforms (CFU/100mL) ✕ Bangholme Hydrants Coliforms (CFU/100mL) 1 CFU/100mL ■ Limit

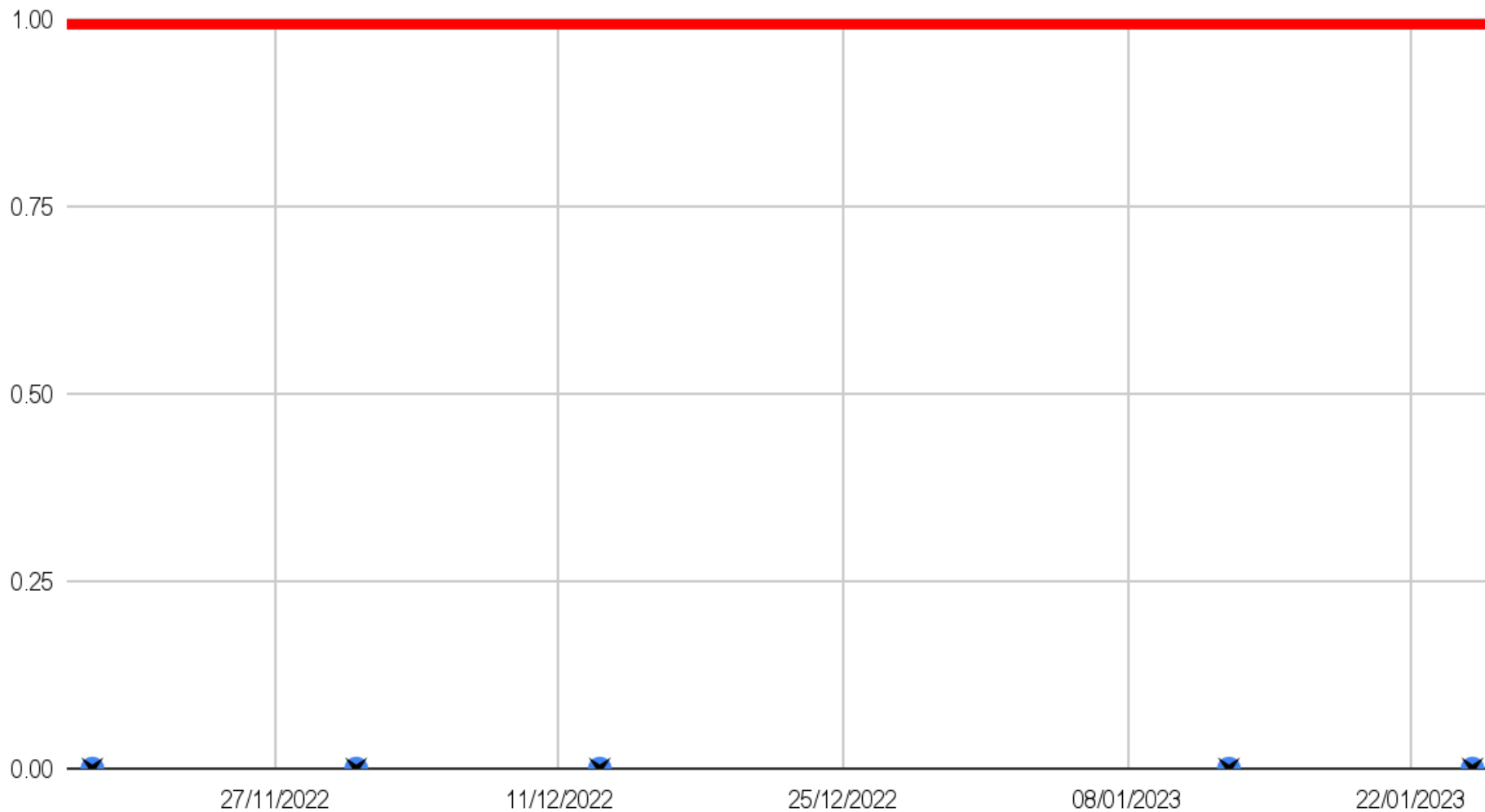


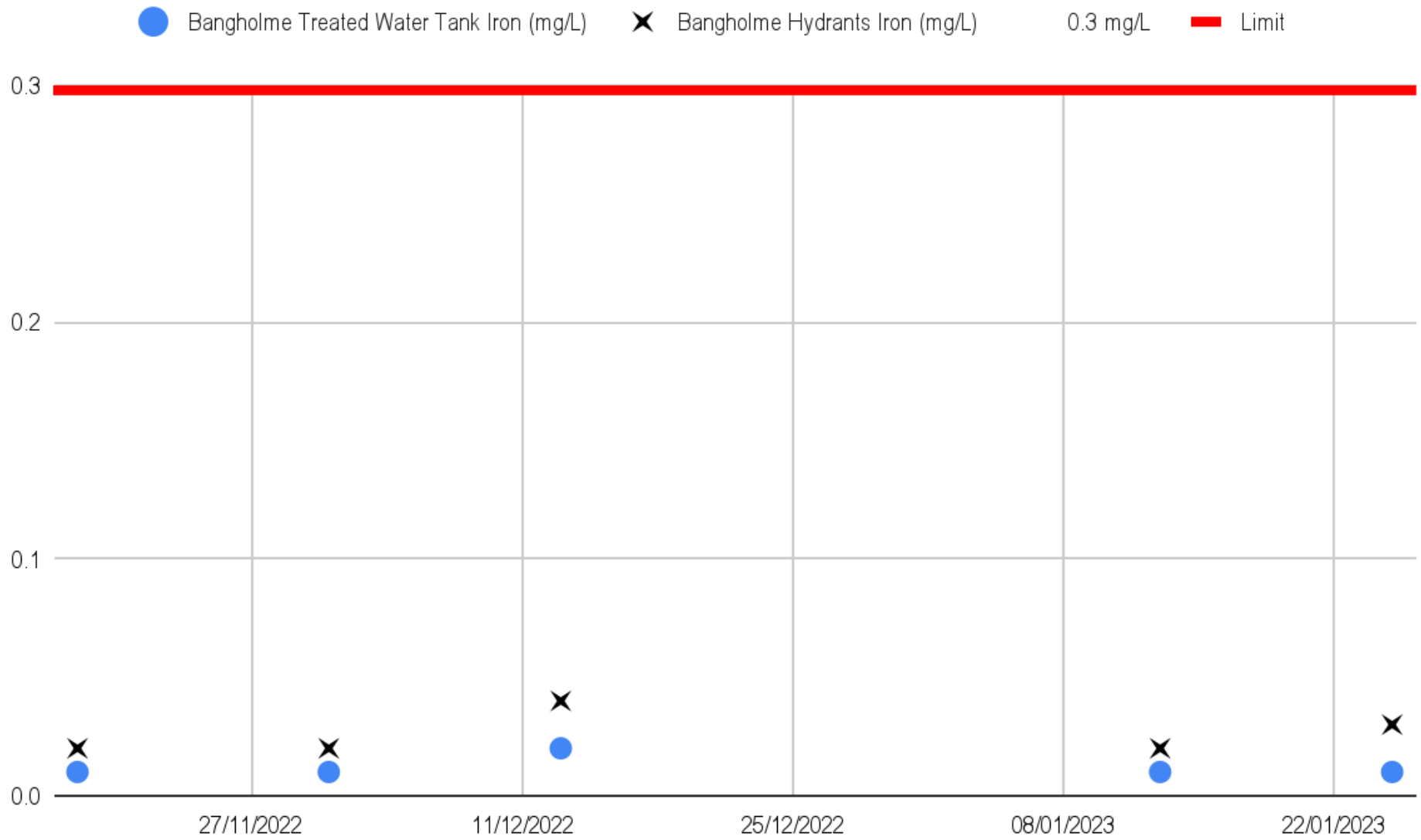
● Bangholme Treated Water Tank Colour (Pt/Co) ✕ Bangholme Hydrants Colour (Pt/Co) 15 Pt/Co — Limit



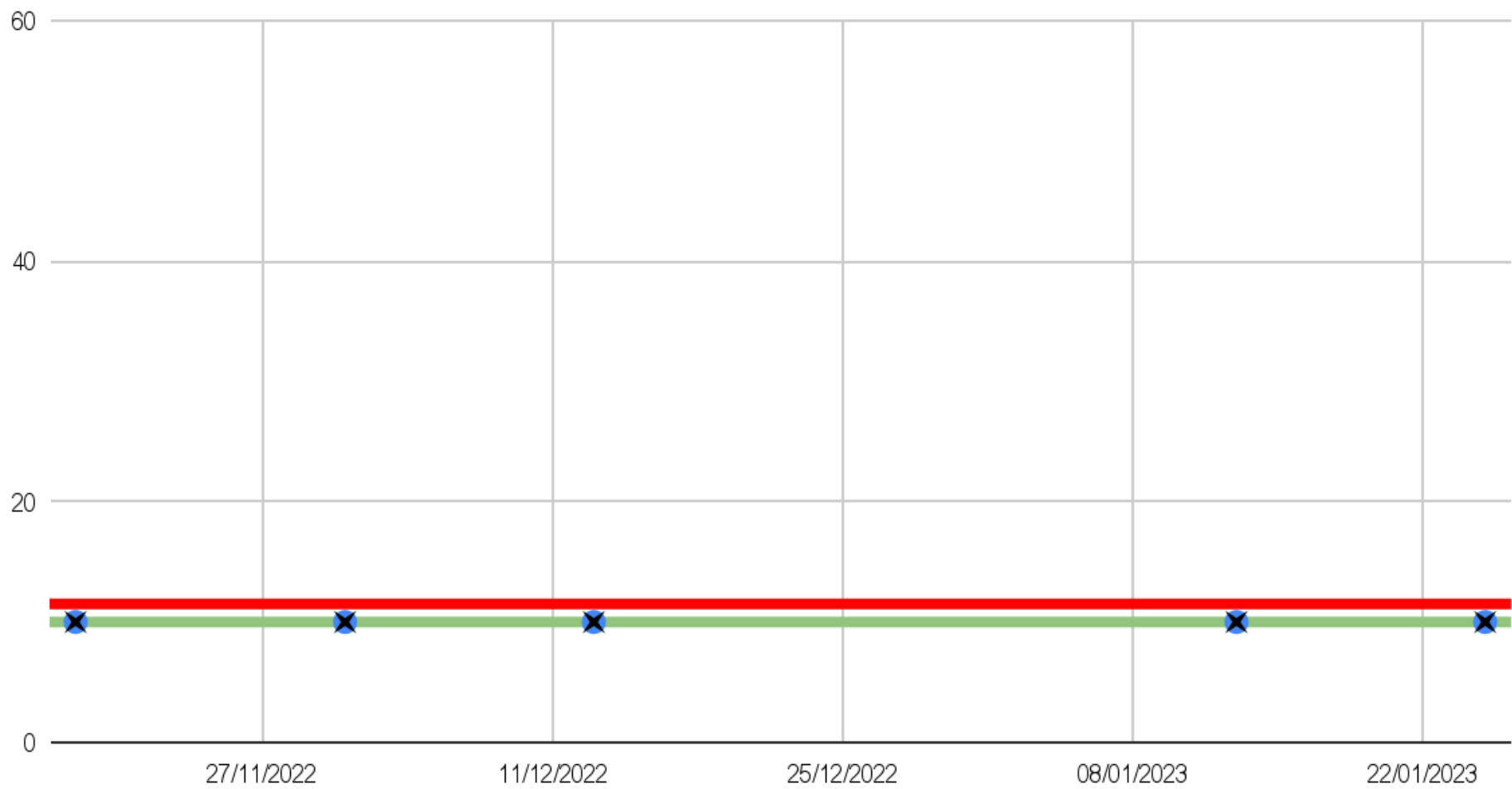


● Bangholme Treated Water Tank E.coli (CFU/100mL) ✕ Bangholme Hydrants E.coli (CFU/100mL) 1 CFU/100mL — Limit

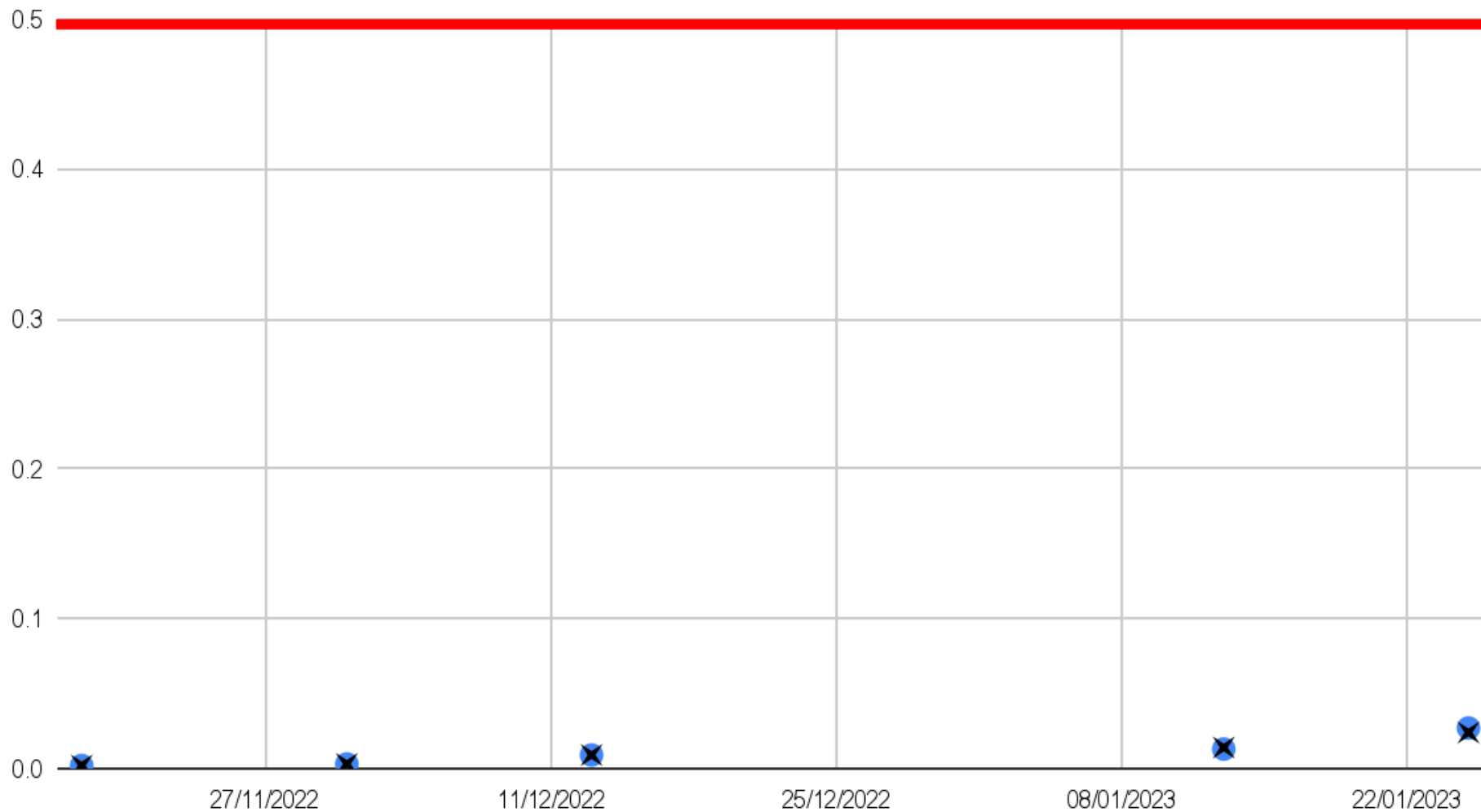




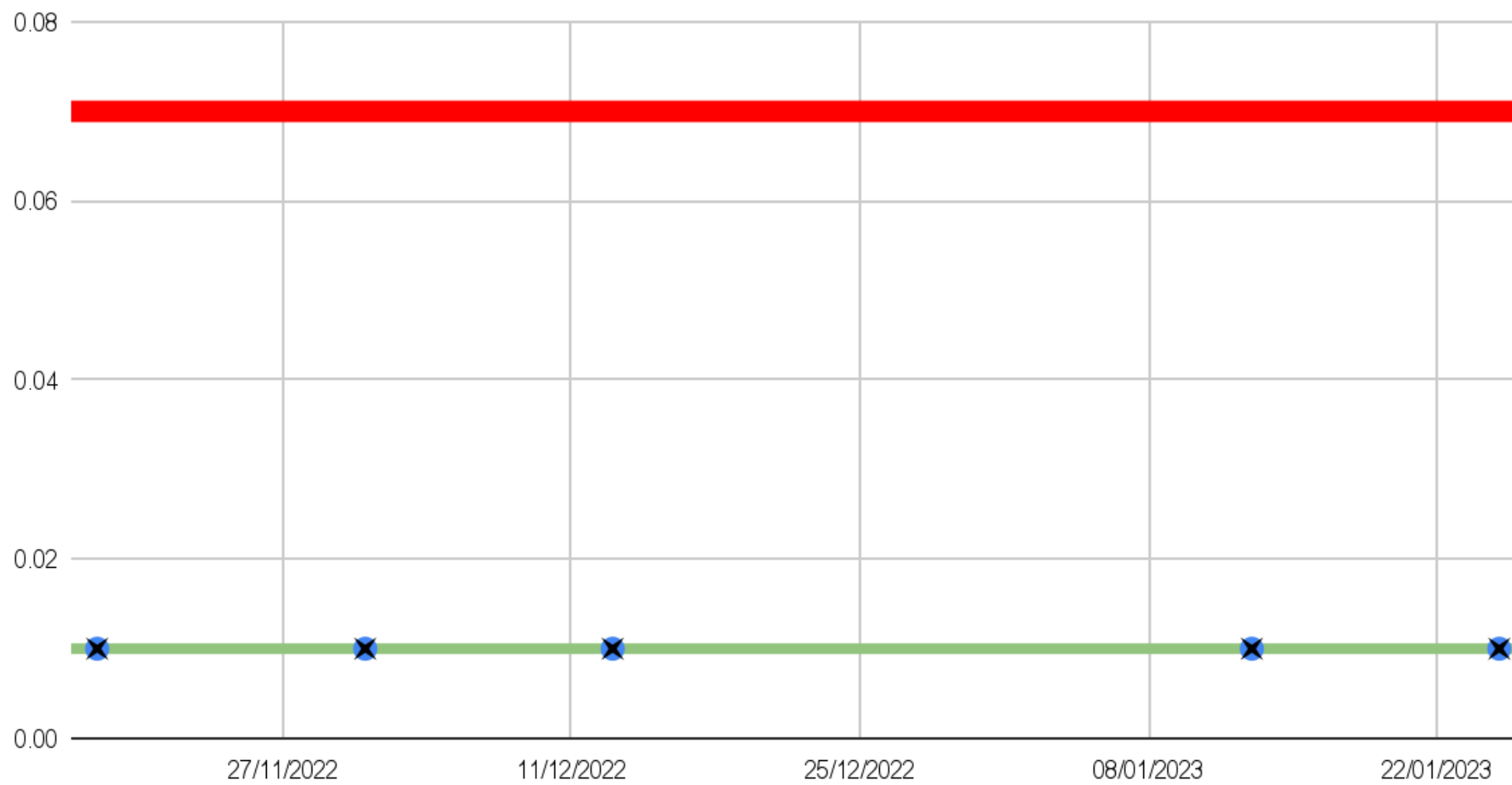
● Bangholme Treated Water Tank Legionella spp (CFU/mL) ✕ Bangholme Hydrants Legionella spp (CFU/mL) 10 CFU/mL ■ Limit
Non Detect Results ■



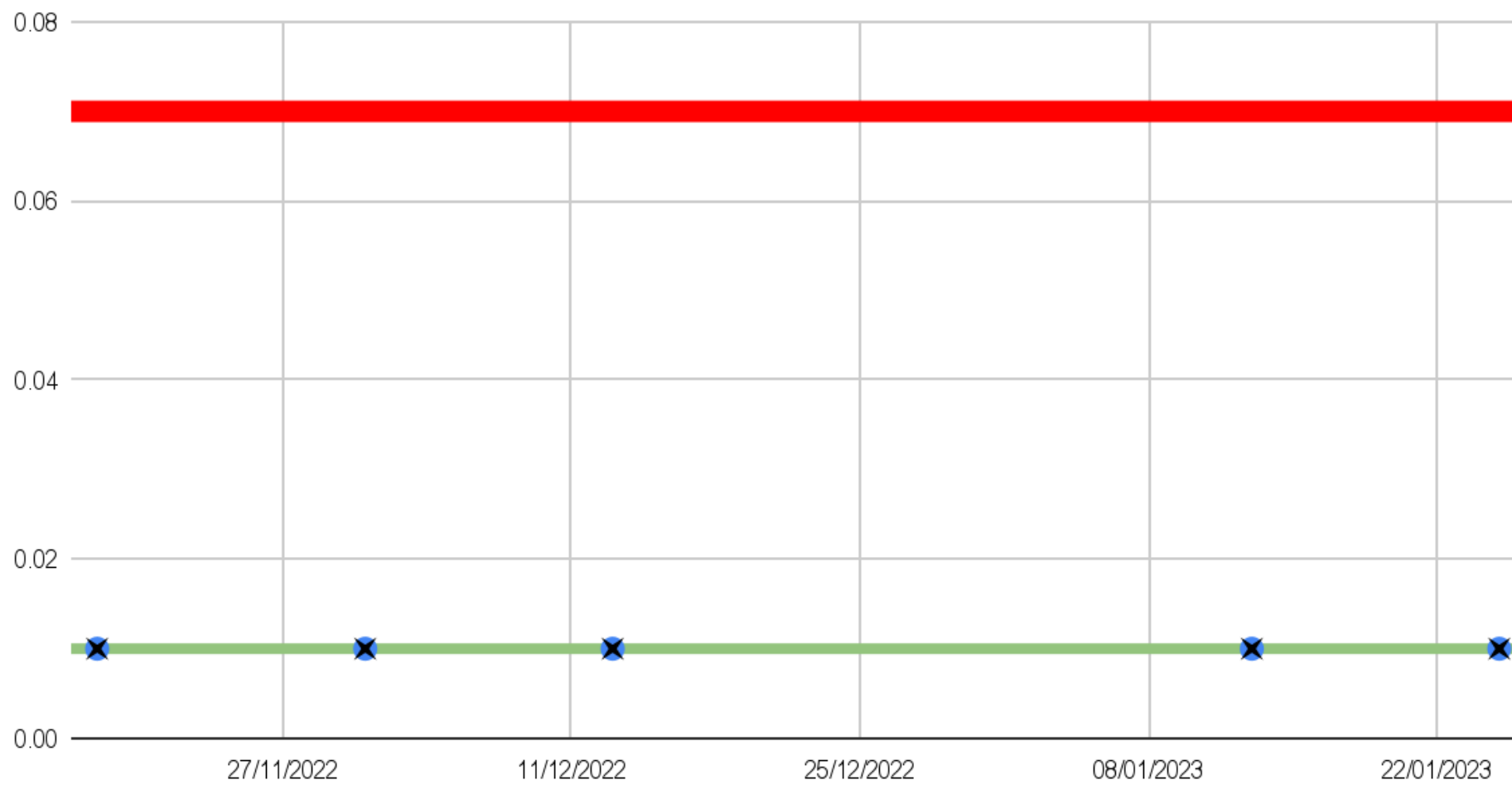
● Bangholme Treated Water Tank Manganese (mg/L) ✕ Bangholme Hydrants Manganese (mg/L) 0.5 mg/L — Limit



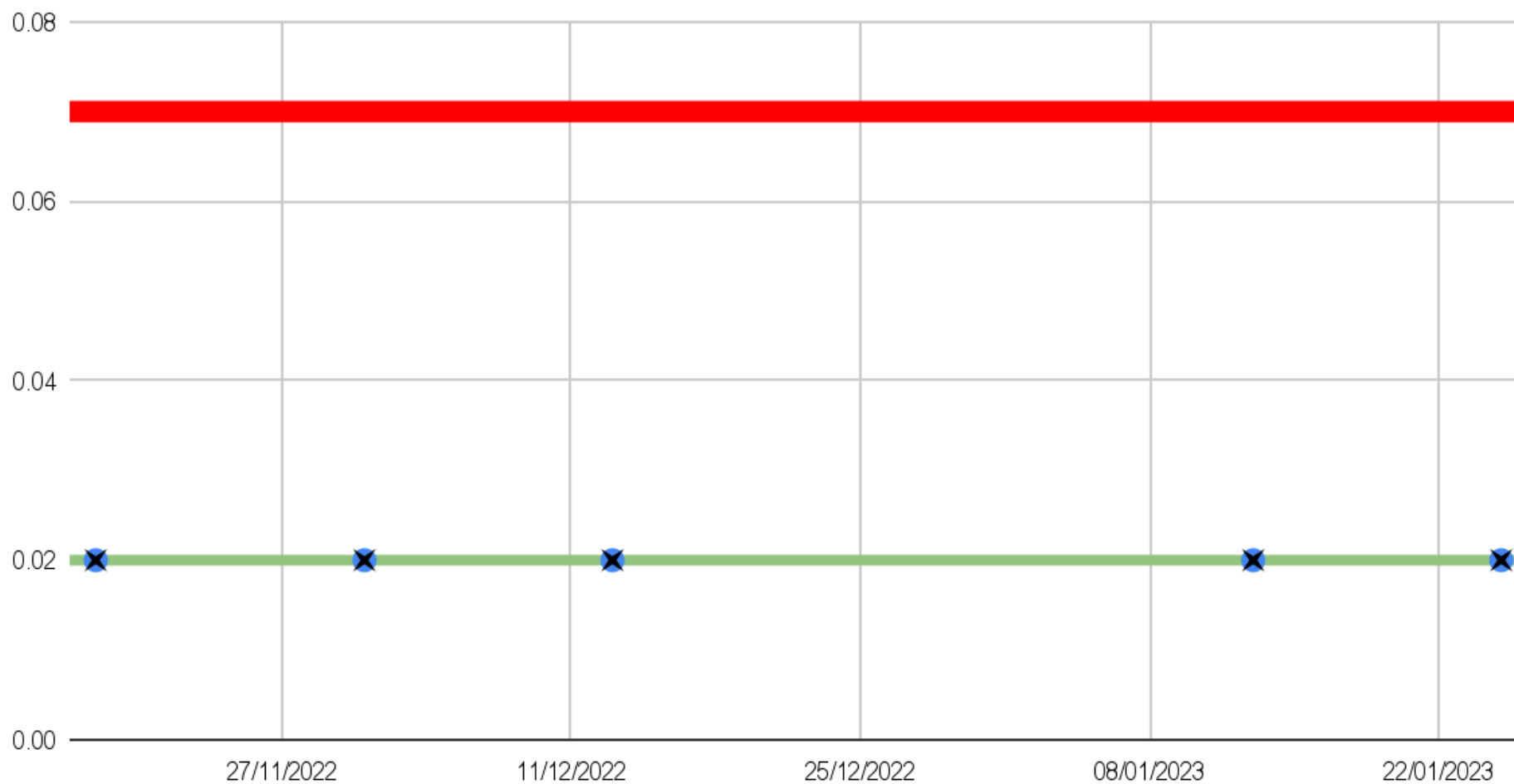
● Bangholme Treated Water Tank PFOA ($\mu\text{g/L}$) ✕ Bangholme Hydrants PFOA ($\mu\text{g/L}$) PFOA + PFOS 0.07 $\mu\text{g/L}$ ■ Limit
Non Detect Results ■



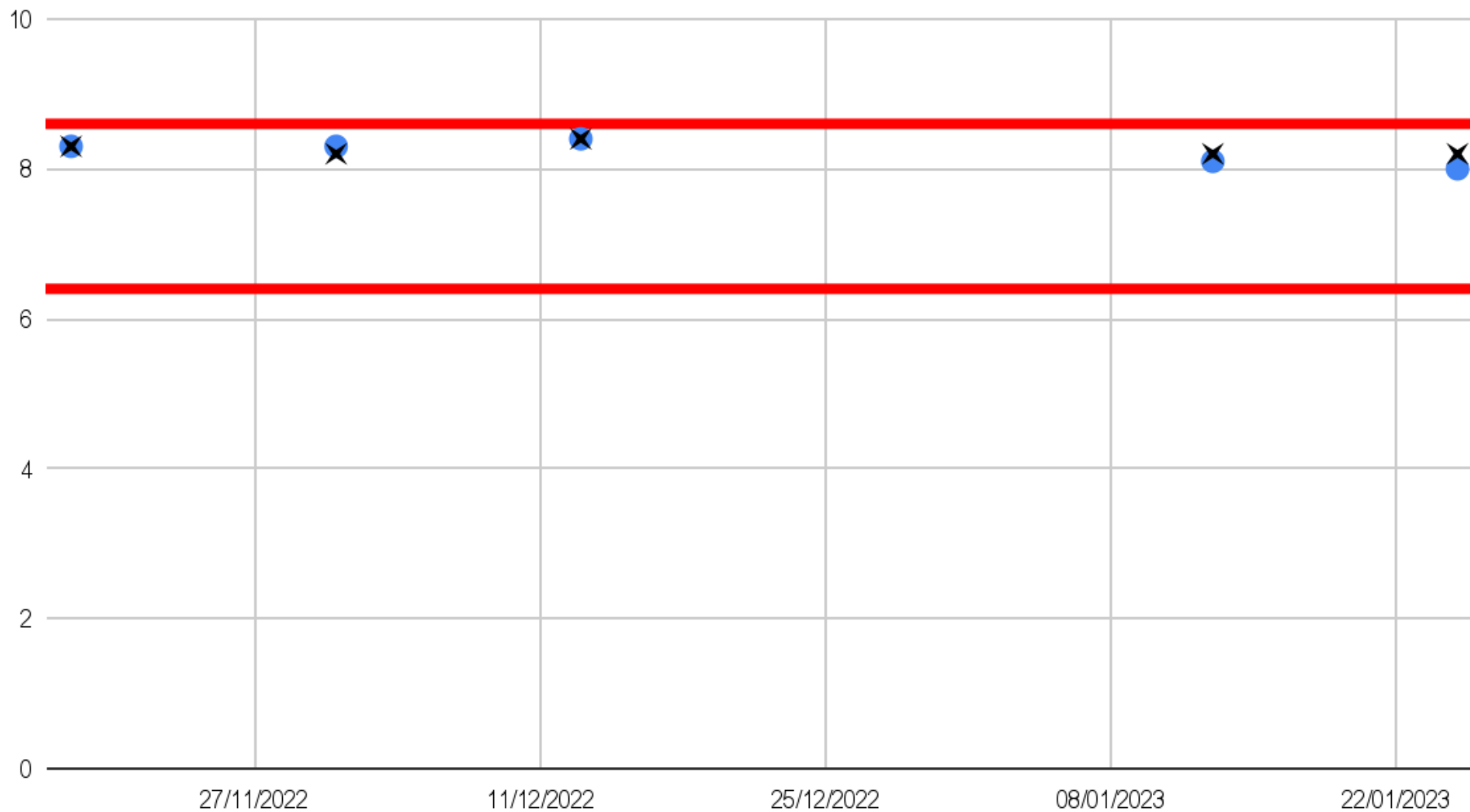
● Bangholme Treated Water Tank PFOS ($\mu\text{g/L}$) ✕ Bangholme Hydrants PFOS ($\mu\text{g/L}$) PFOA + PFOS 0.07 $\mu\text{g/L}$ ■ Limit
Non Detect Results ■

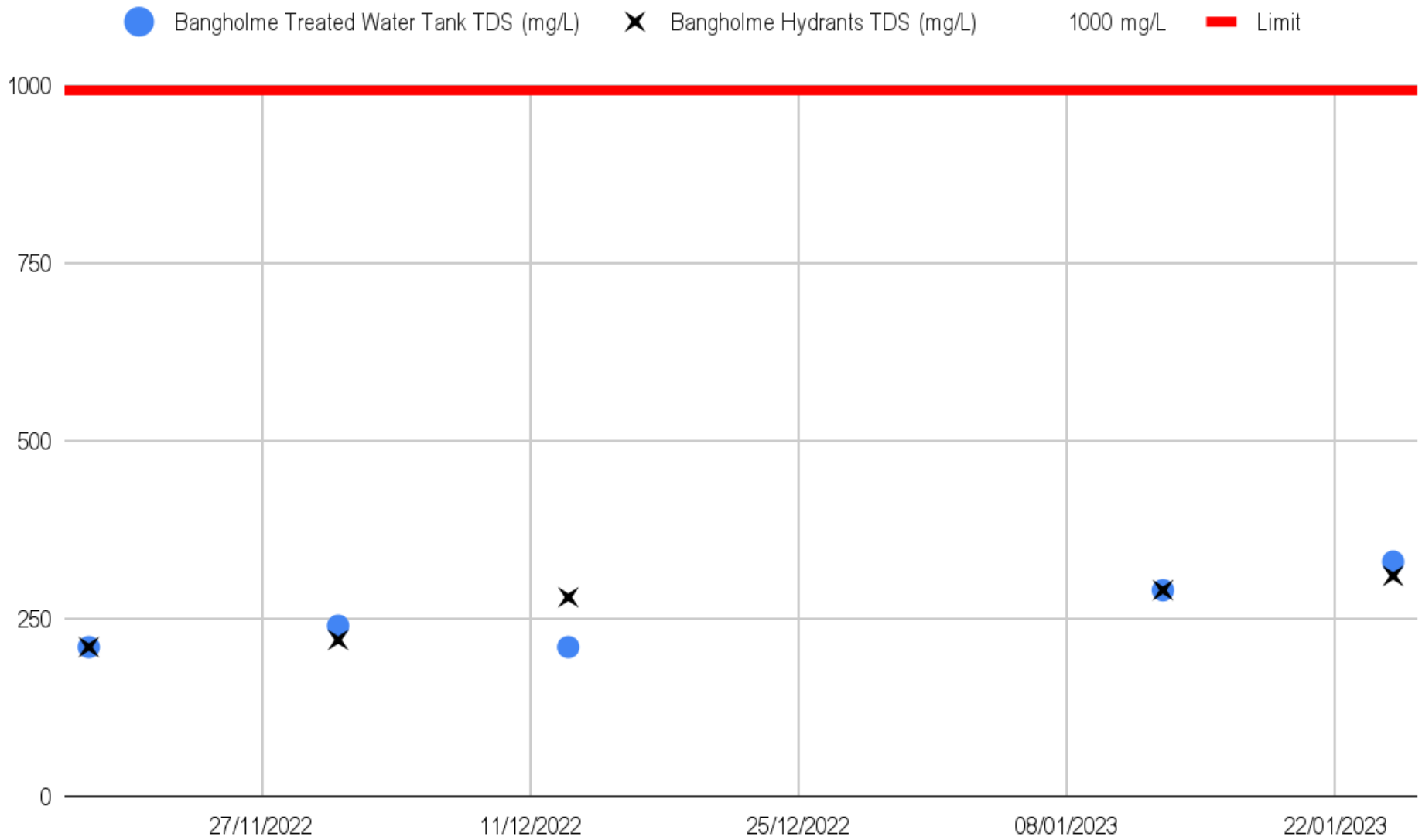


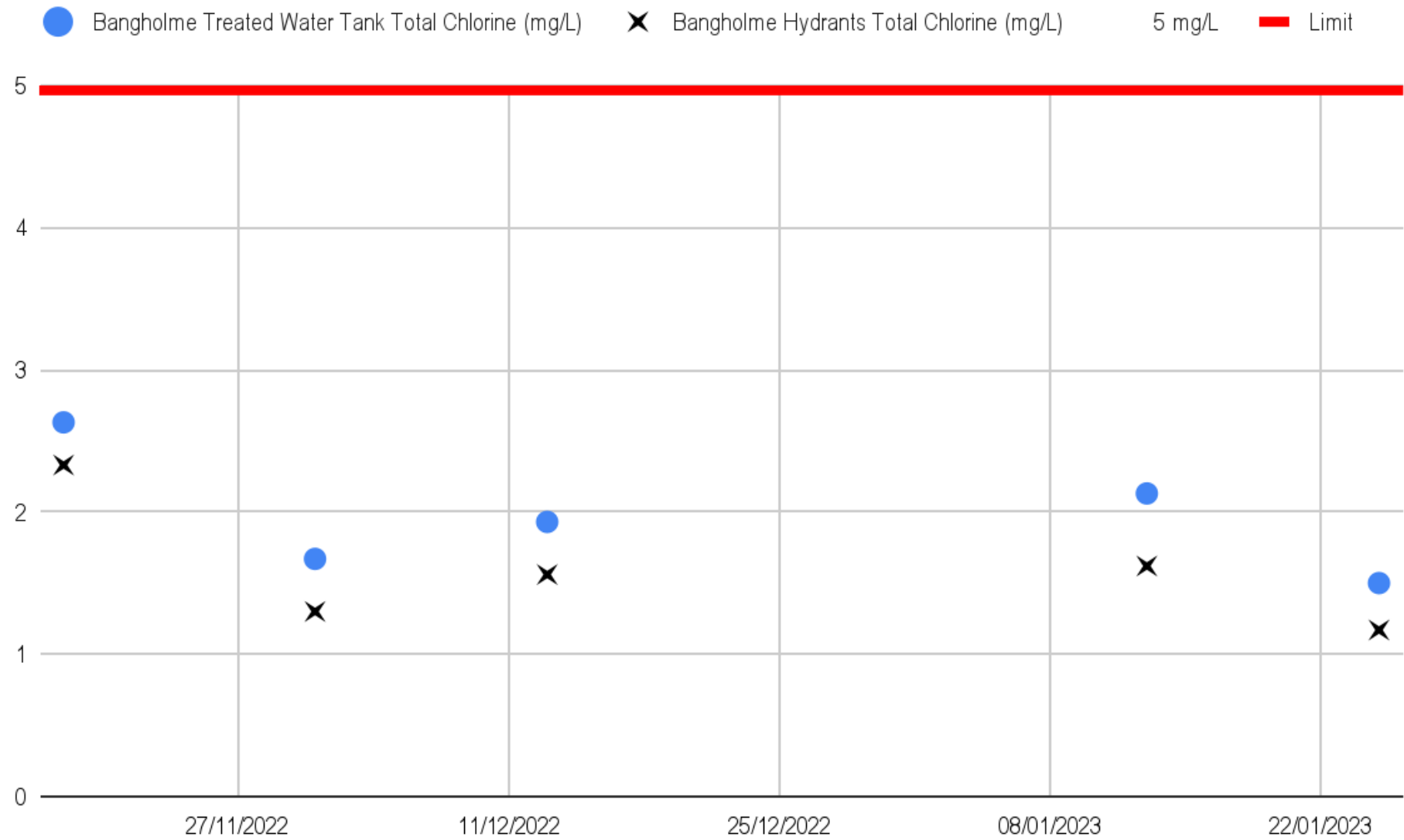
● Bangholme Treated Water Tank PFHxS ($\mu\text{g/L}$) ✕ Bangholme Hydrants PFHxS ($\mu\text{g/L}$) PFOS + PFHxS 0.07 $\mu\text{g/L}$ — Limit
Non Detect Results —



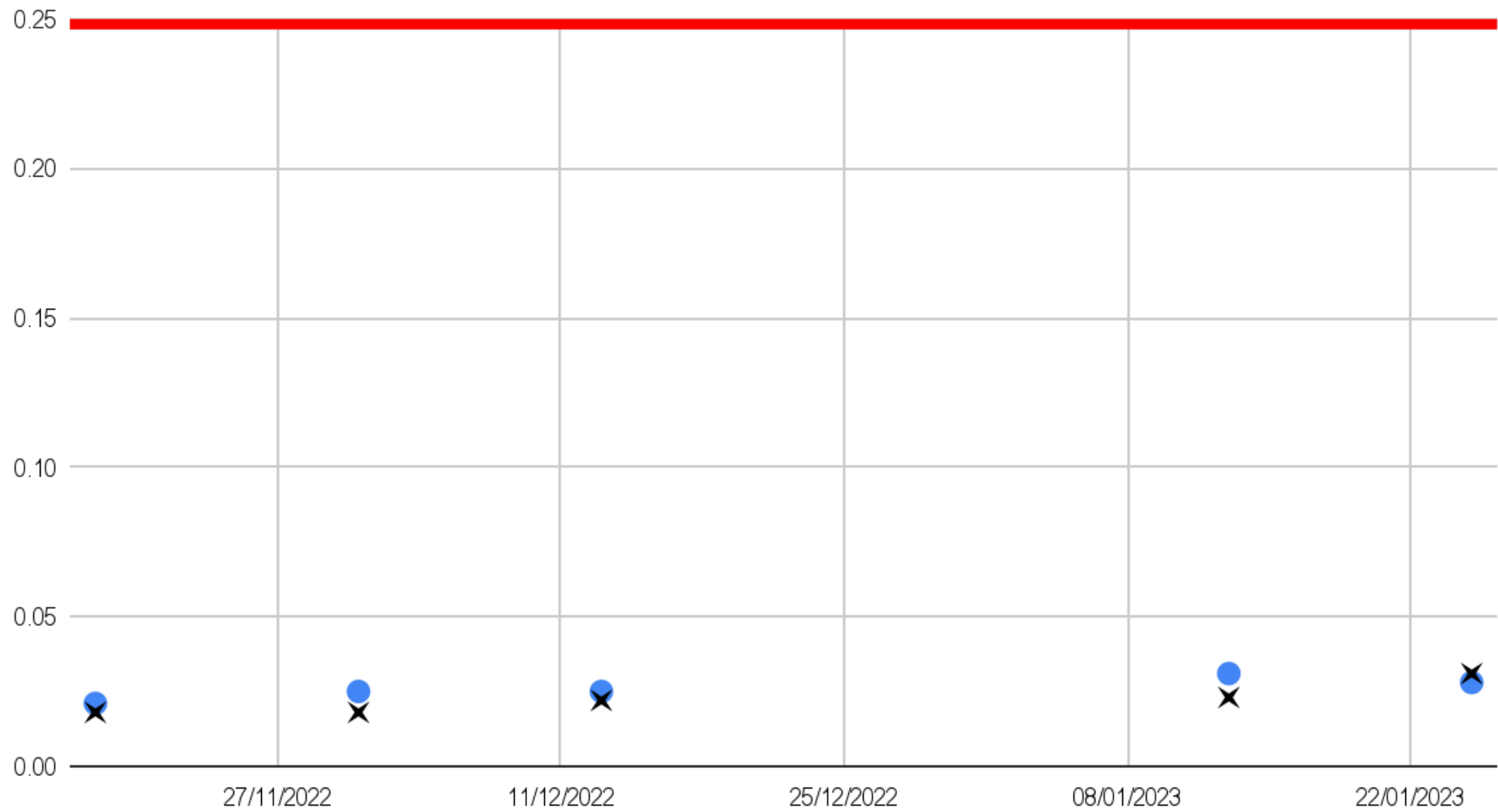
● Bangholme Treated Water Tank pH (-) ✕ Bangholme Hydrants pH (-) 6.5 — Limit 8.5 — Limit

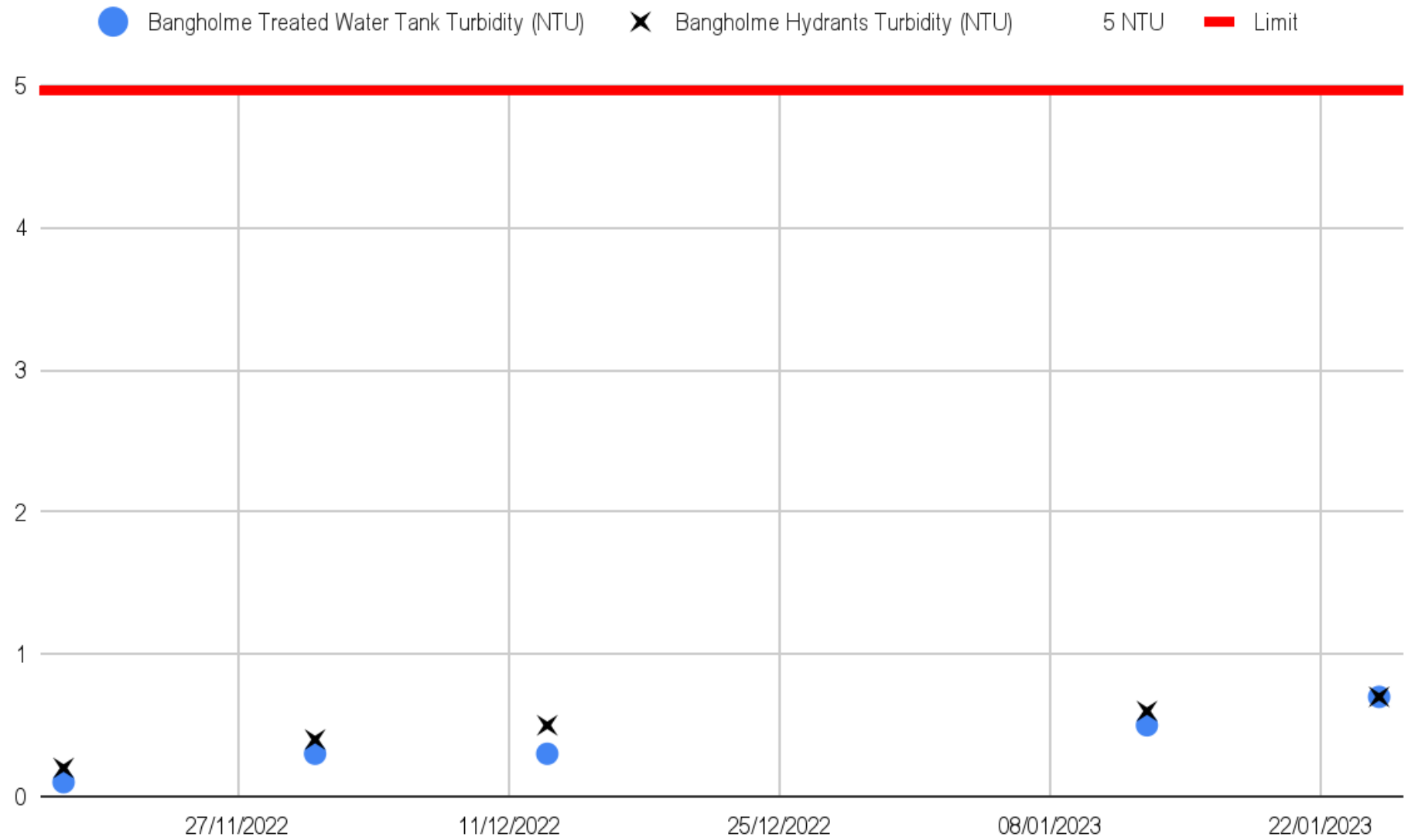




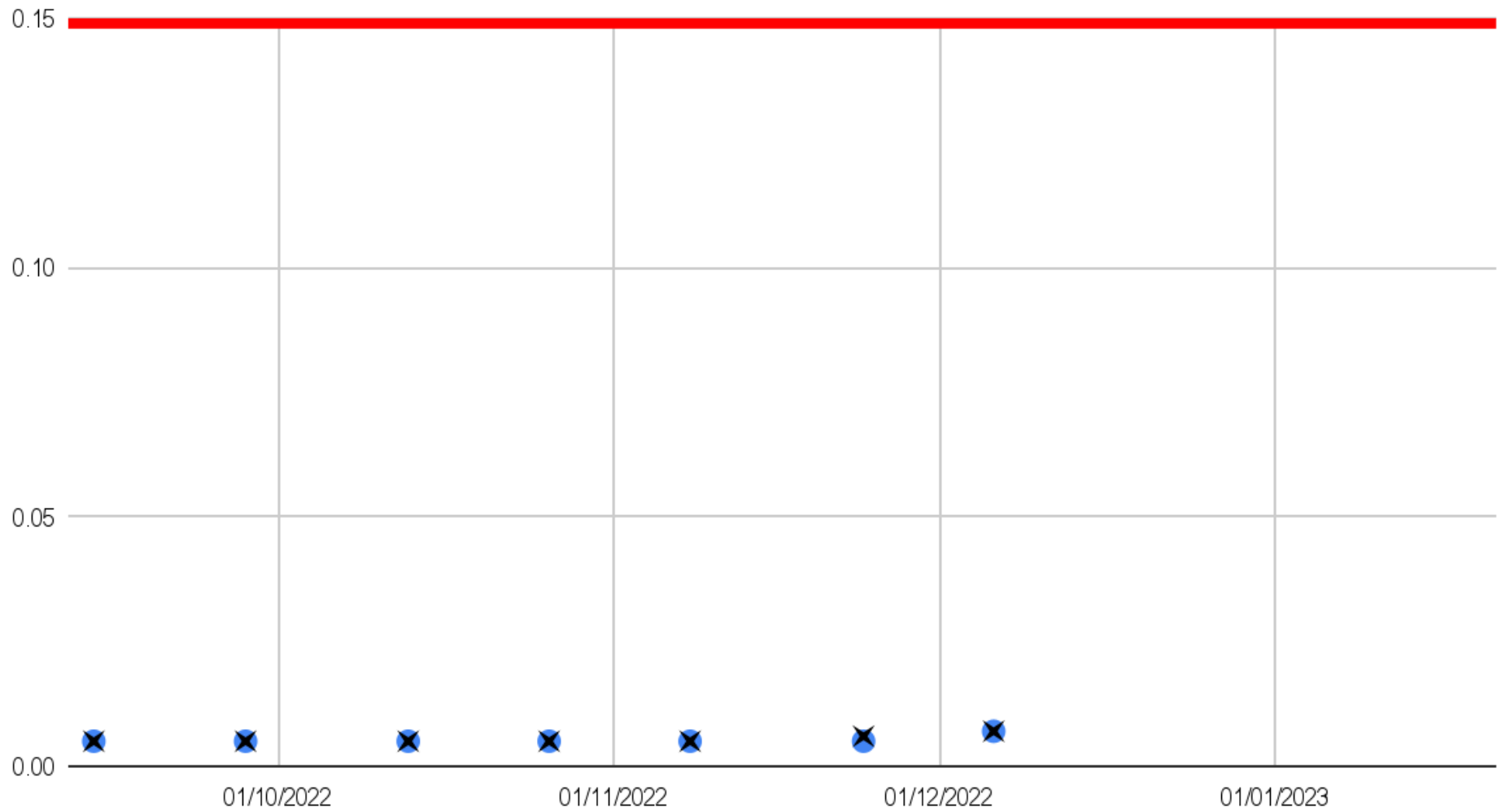


● Bangholme Treated Water Tank THM (mg/L) ✕ Bangholme Hydrants THM (mg/L) 0.25 mg/L — Limit

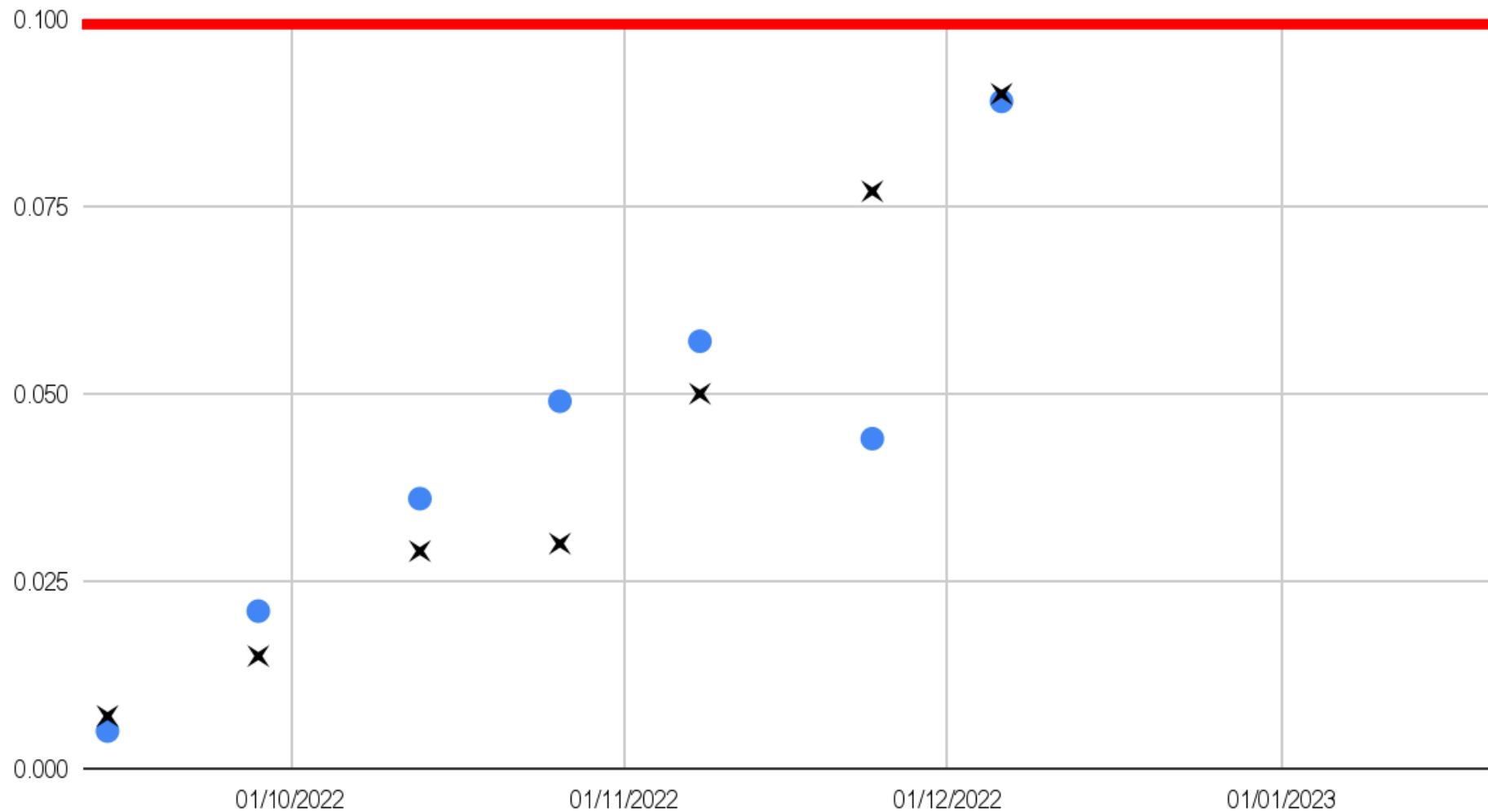




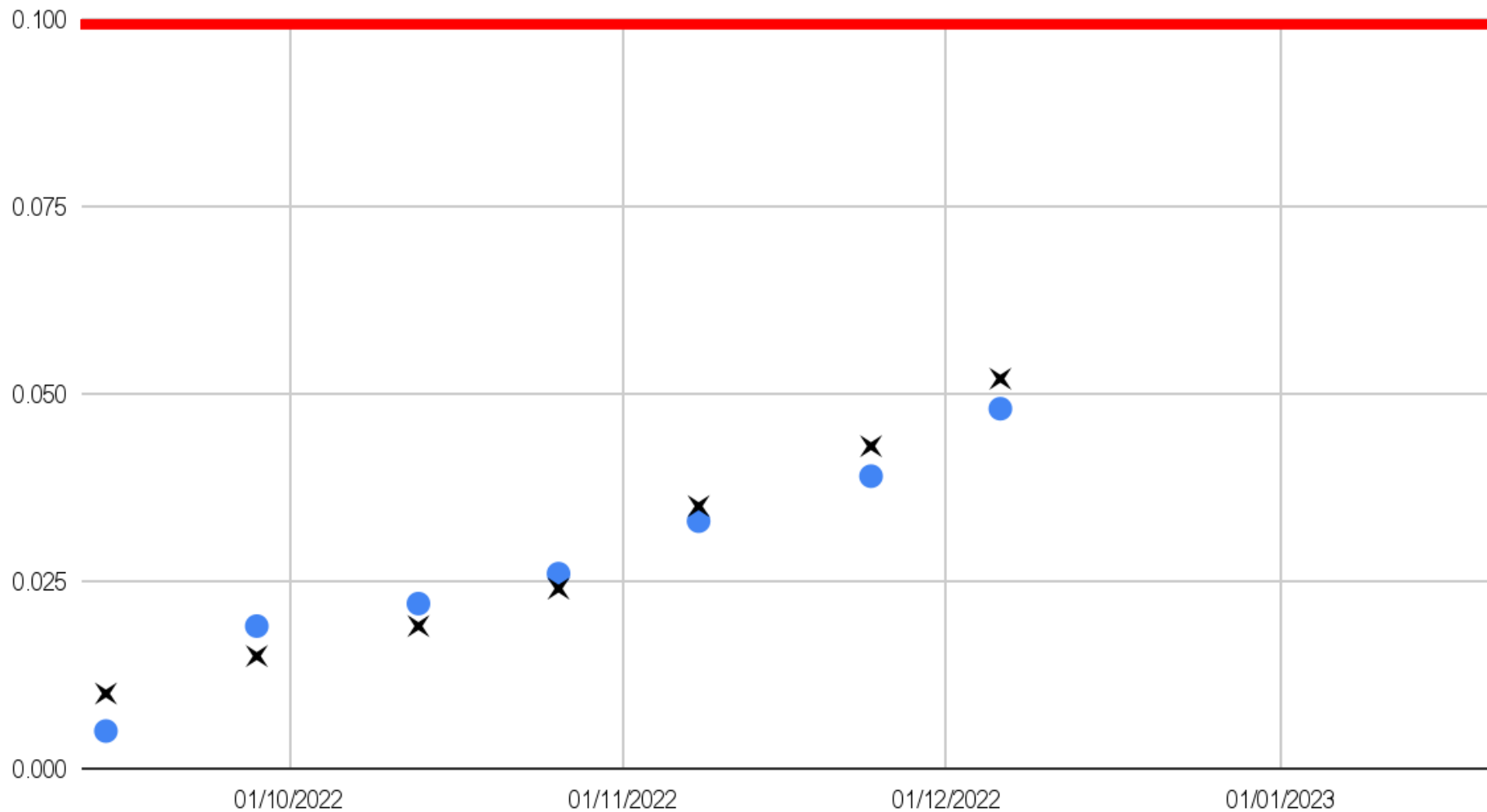
● Long. Treated Water Tank Chloroacetic Acid (mg/L) ✕ Long. Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L — Limit



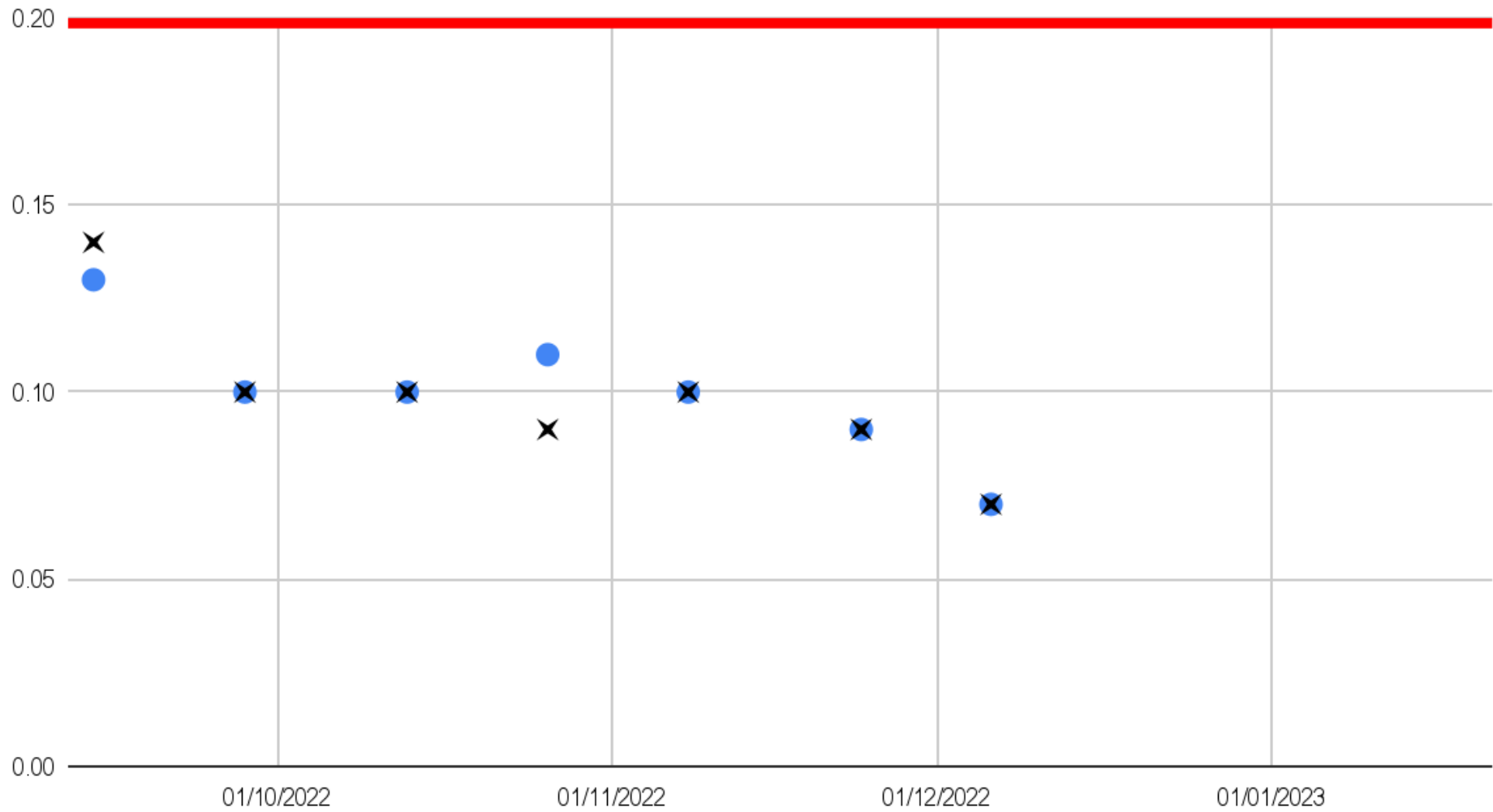
● Long. Treated Water Tank Dichloroacetic Acid (mg/L) ✕ Long. Hydrants Dichloroacetic Acid (mg/L) 0.1 mg/L — Limit

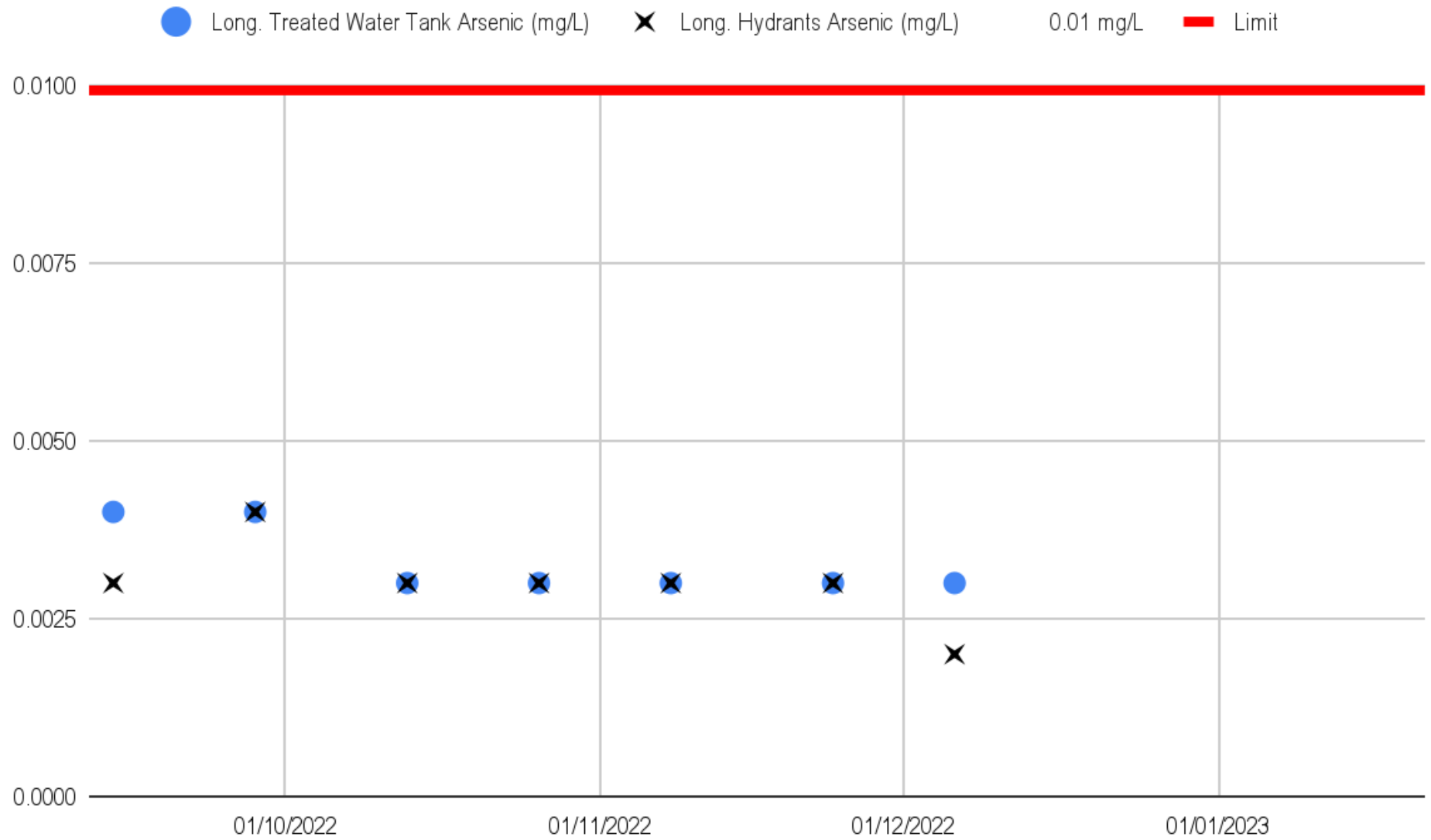


● Long. Treated Water Tank Trichloroacetic Acid (mg/L) ✕ Long. Hydrants Trichloroacetic Acid (mg/L) 0.1 mg/L — Limit

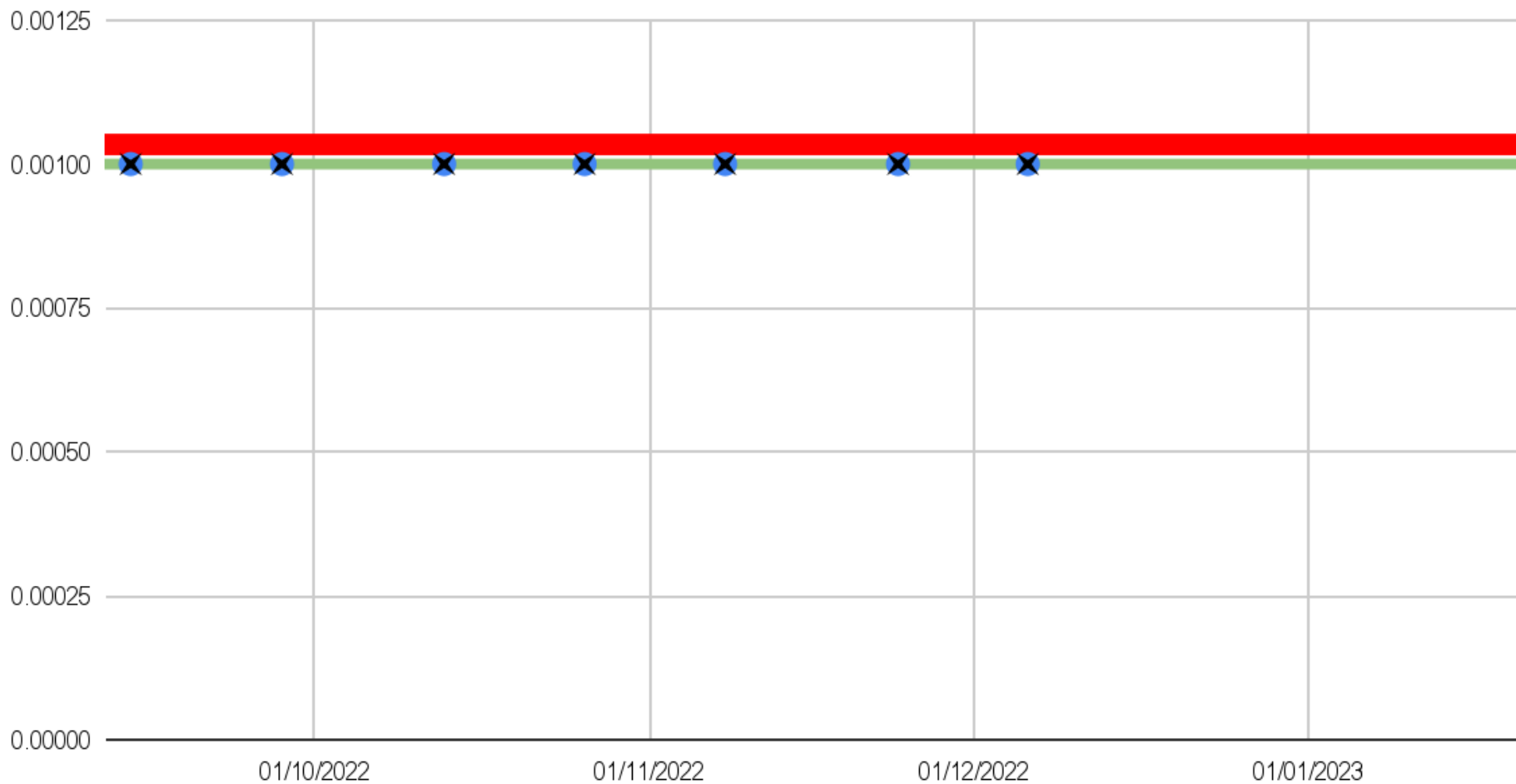


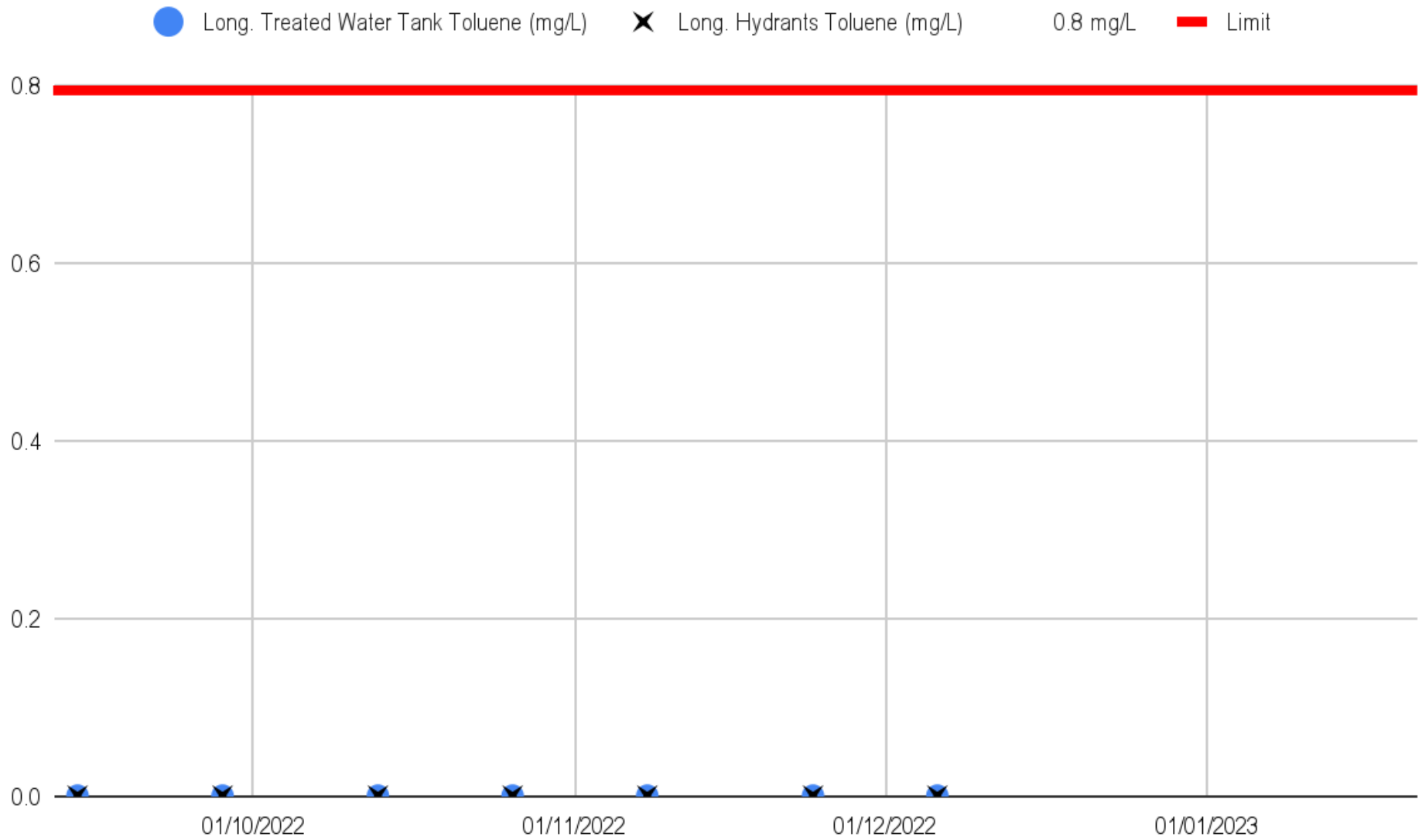
● Long. Treated Water Tank Acid Soluble Aluminium (mg/L) ✕ Long. Hydrants Acid Soluble Aluminium (mg/L) 0.2 mg/L — Limit

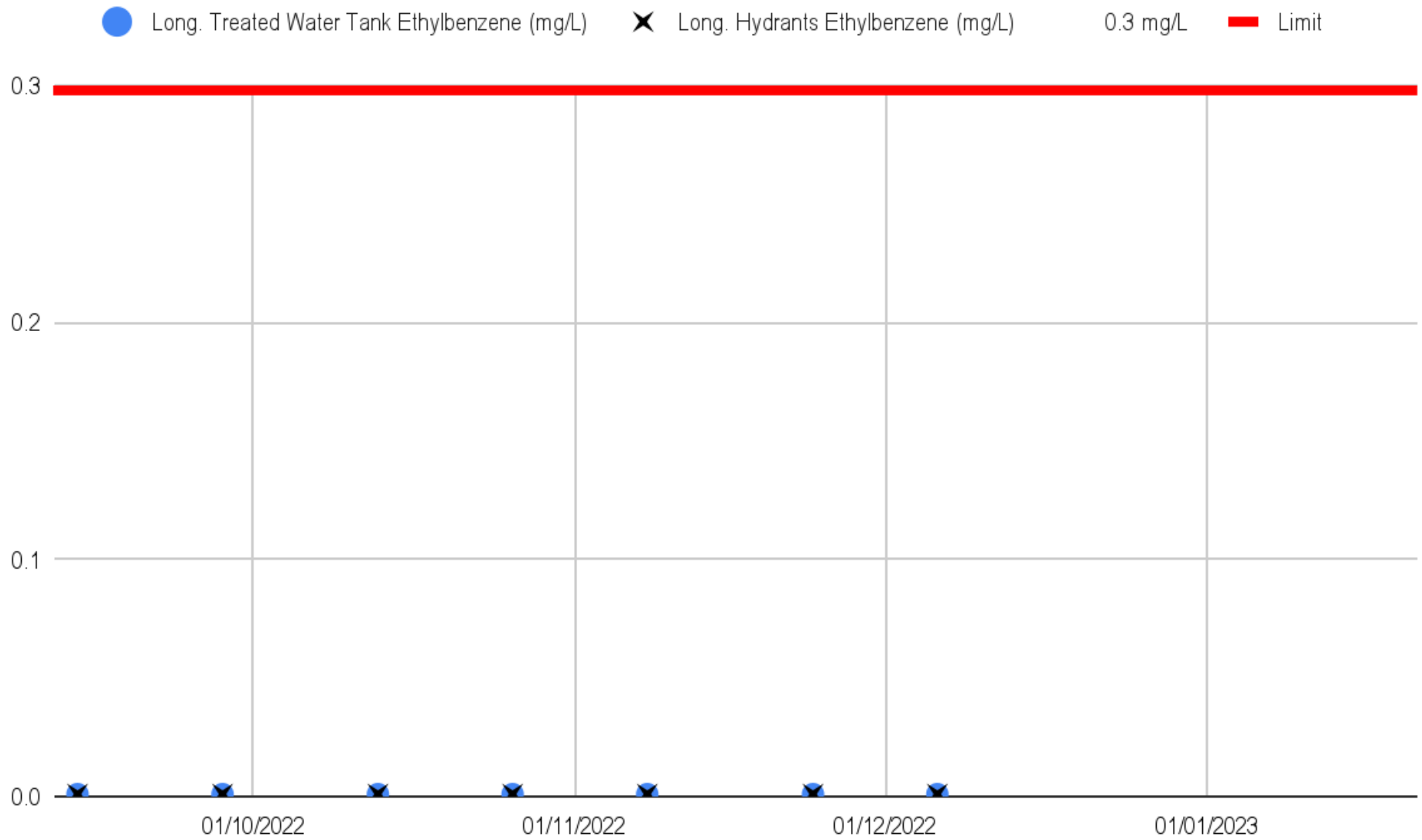


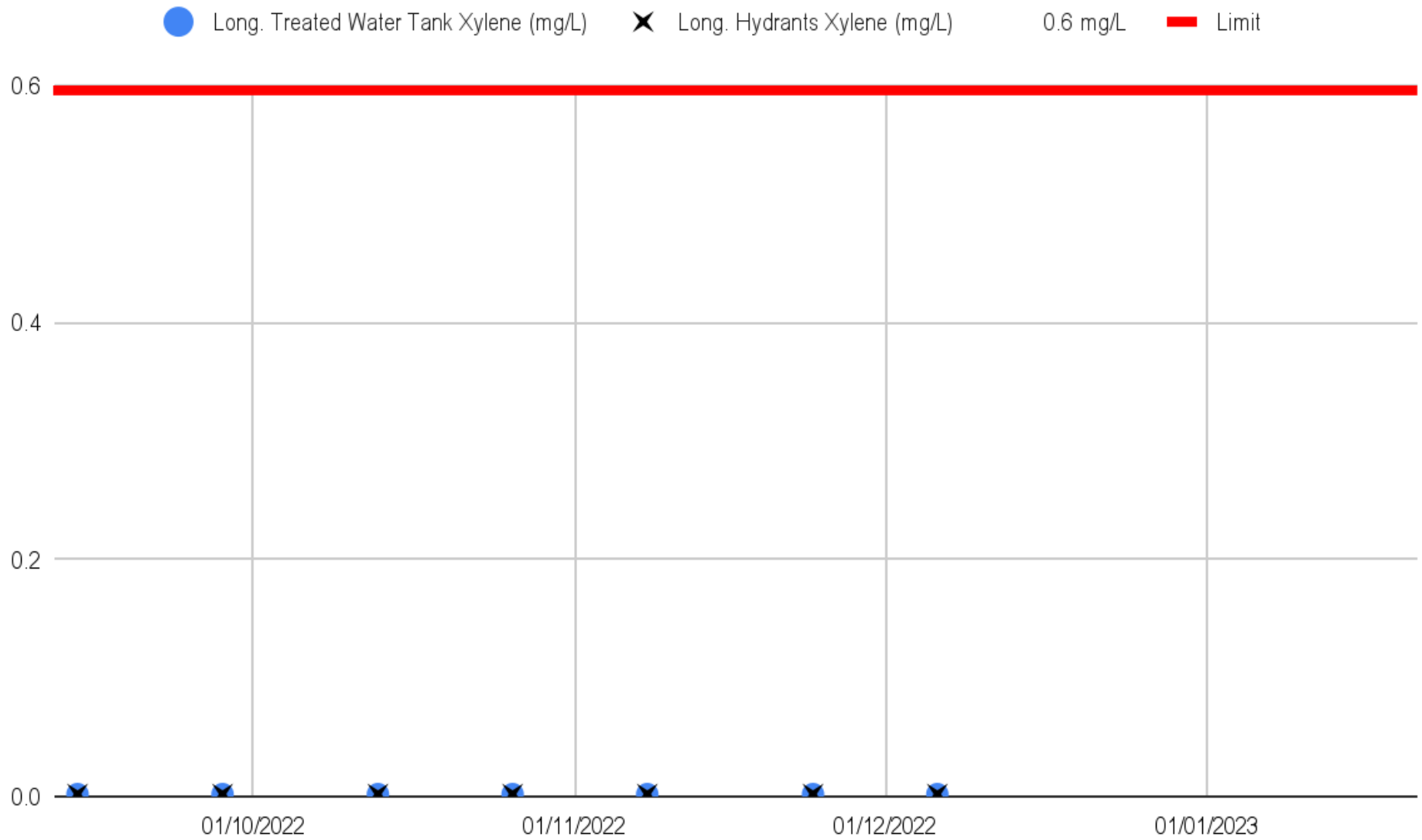


● Long. Treated Water Tank Benzene (mg/L) ✕ Long. Hydrants Benzene (mg/L) 0.001 mg/L ■ Limit
Non Detect Results —

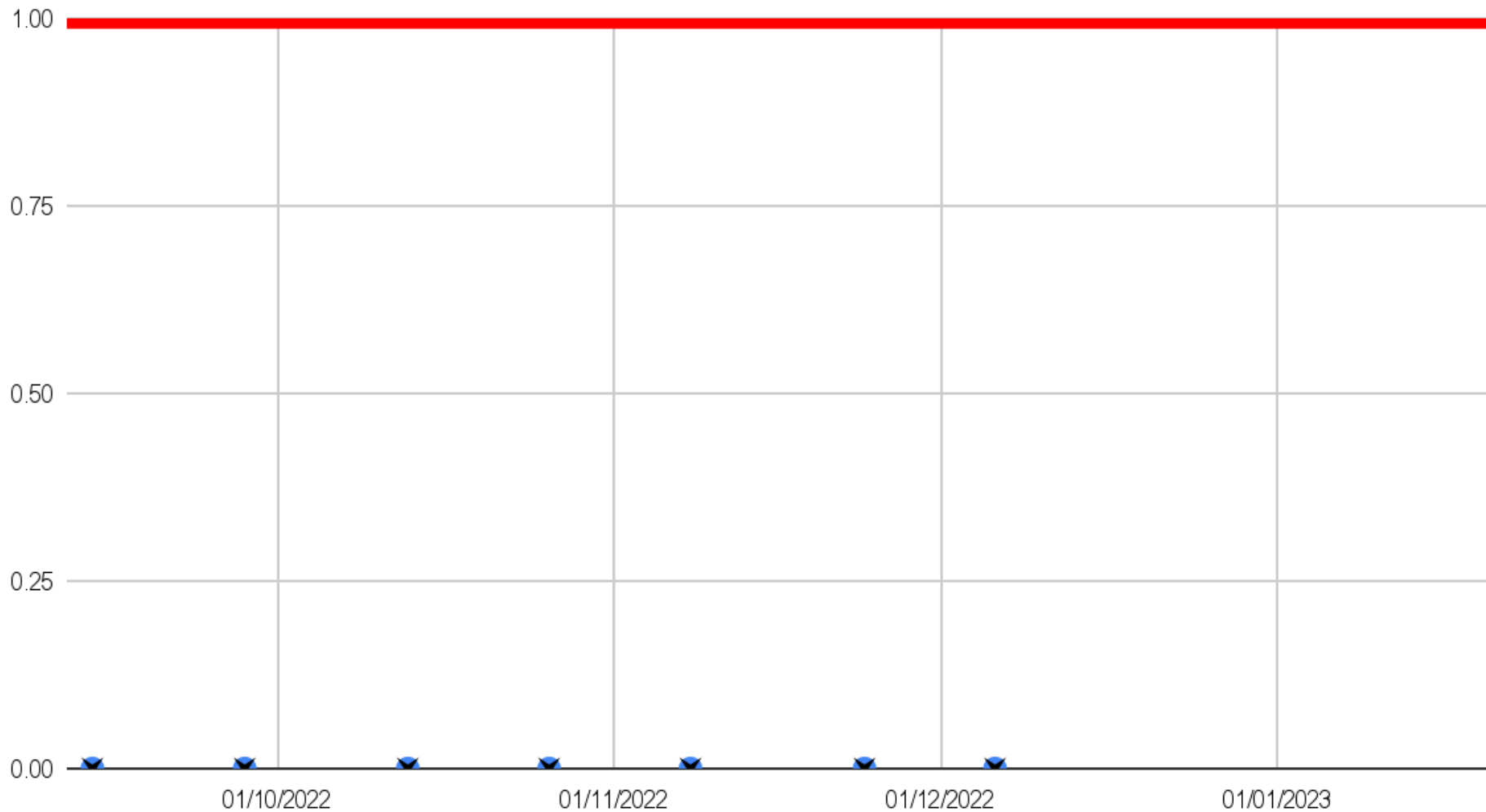




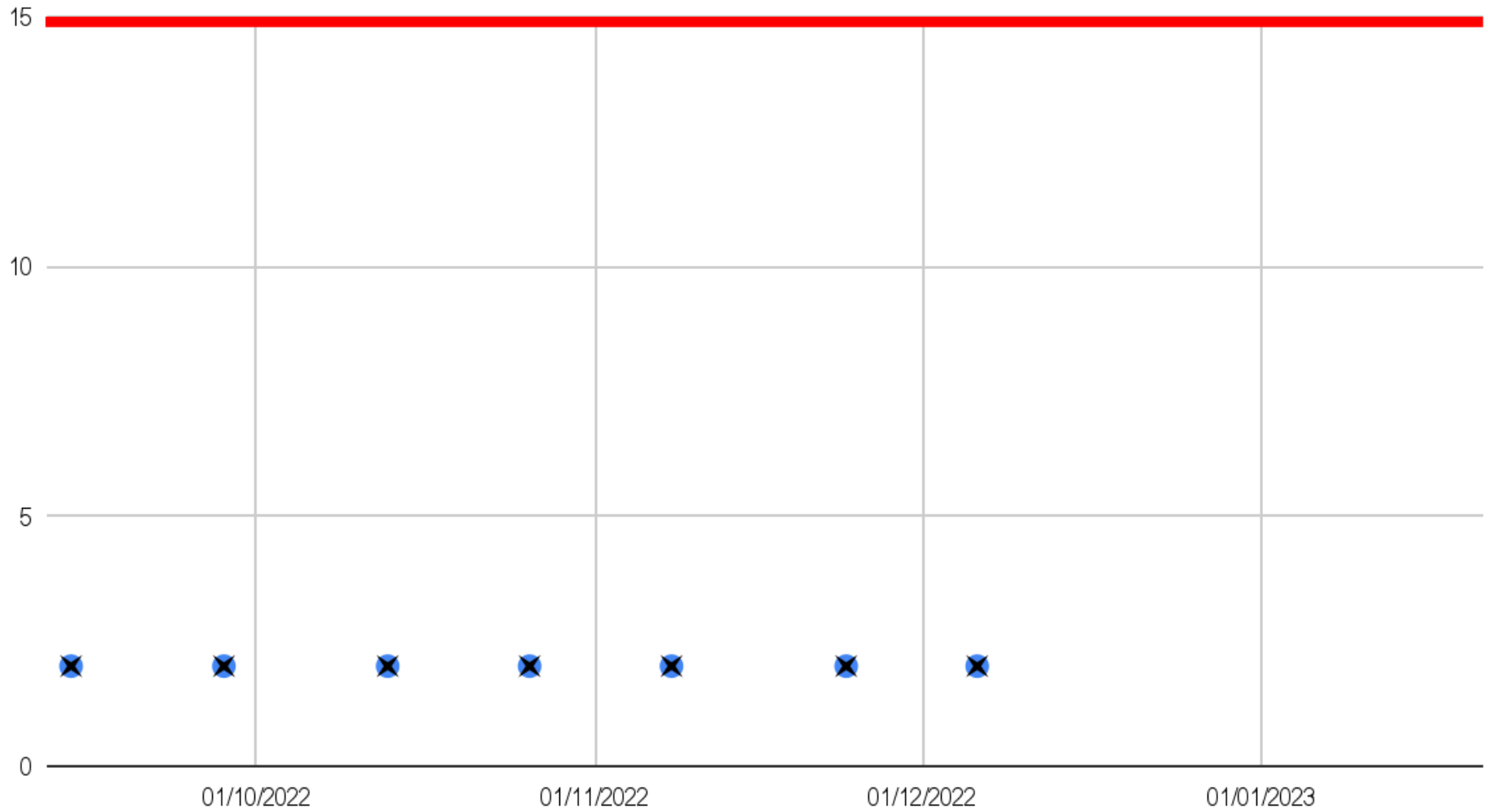


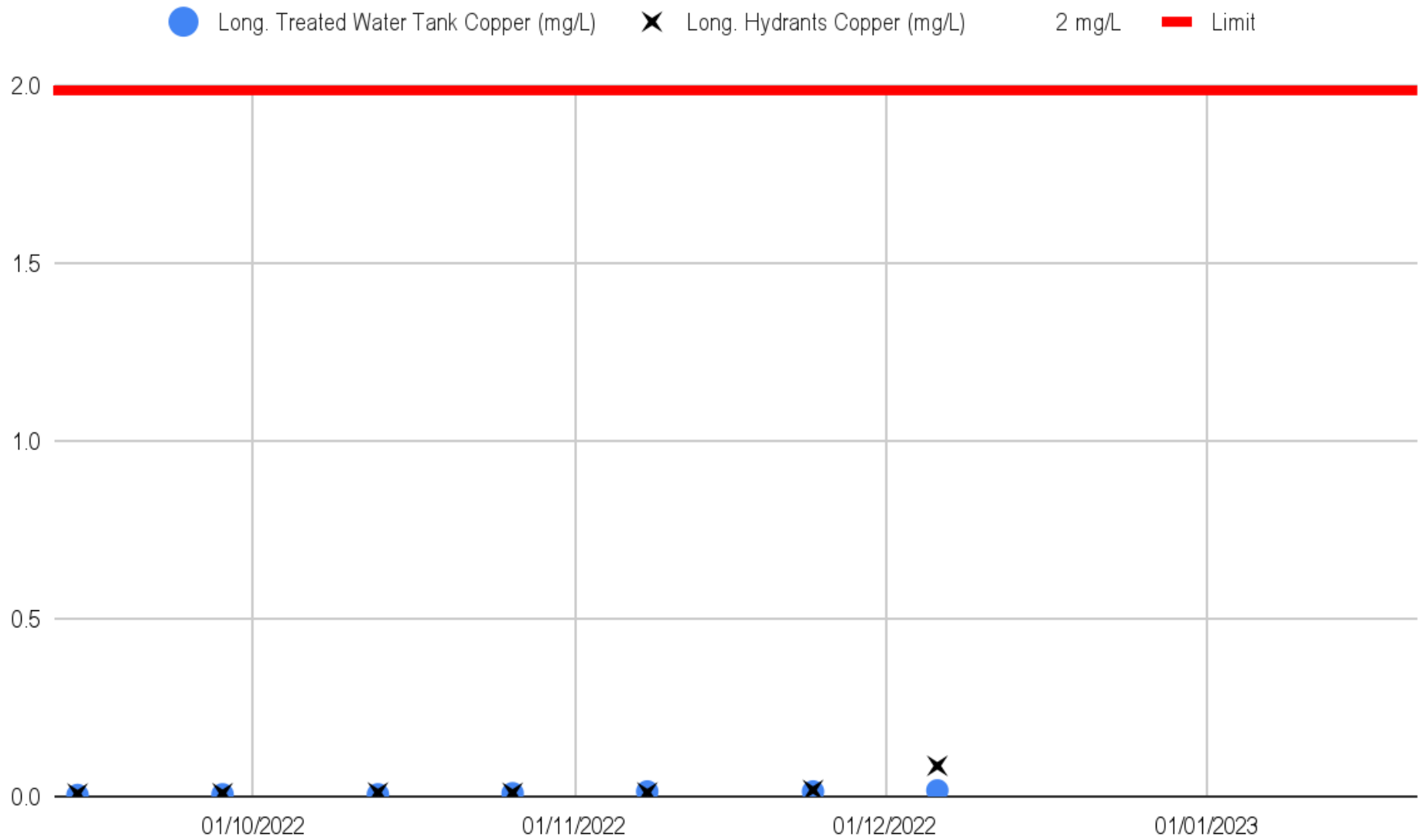


● Long. Treated Water Tank Coliforms (CFU/100mL) ✕ Long. Hydrants Coliforms (CFU/100mL) 1 cfu/100mL — Limit

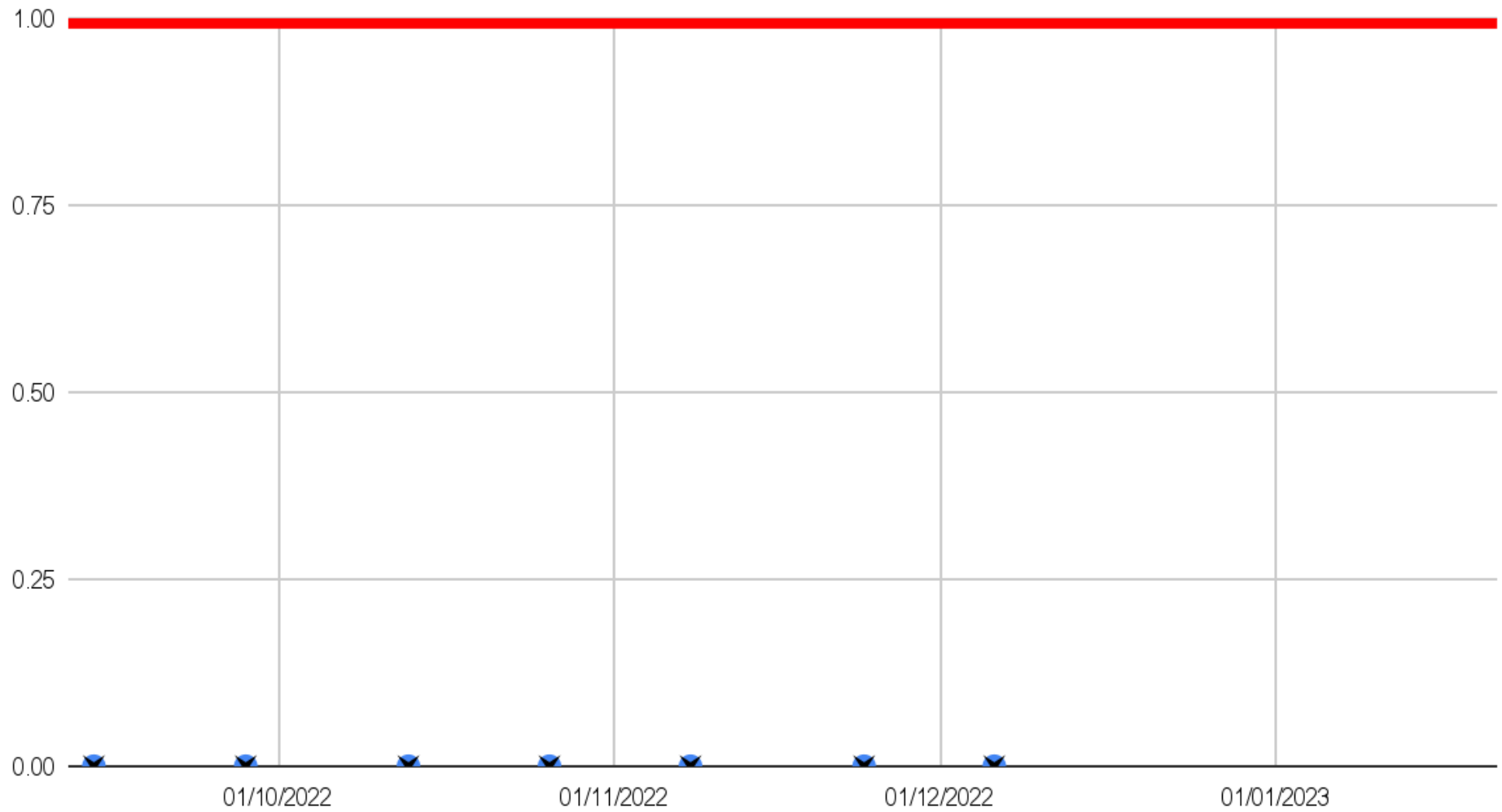


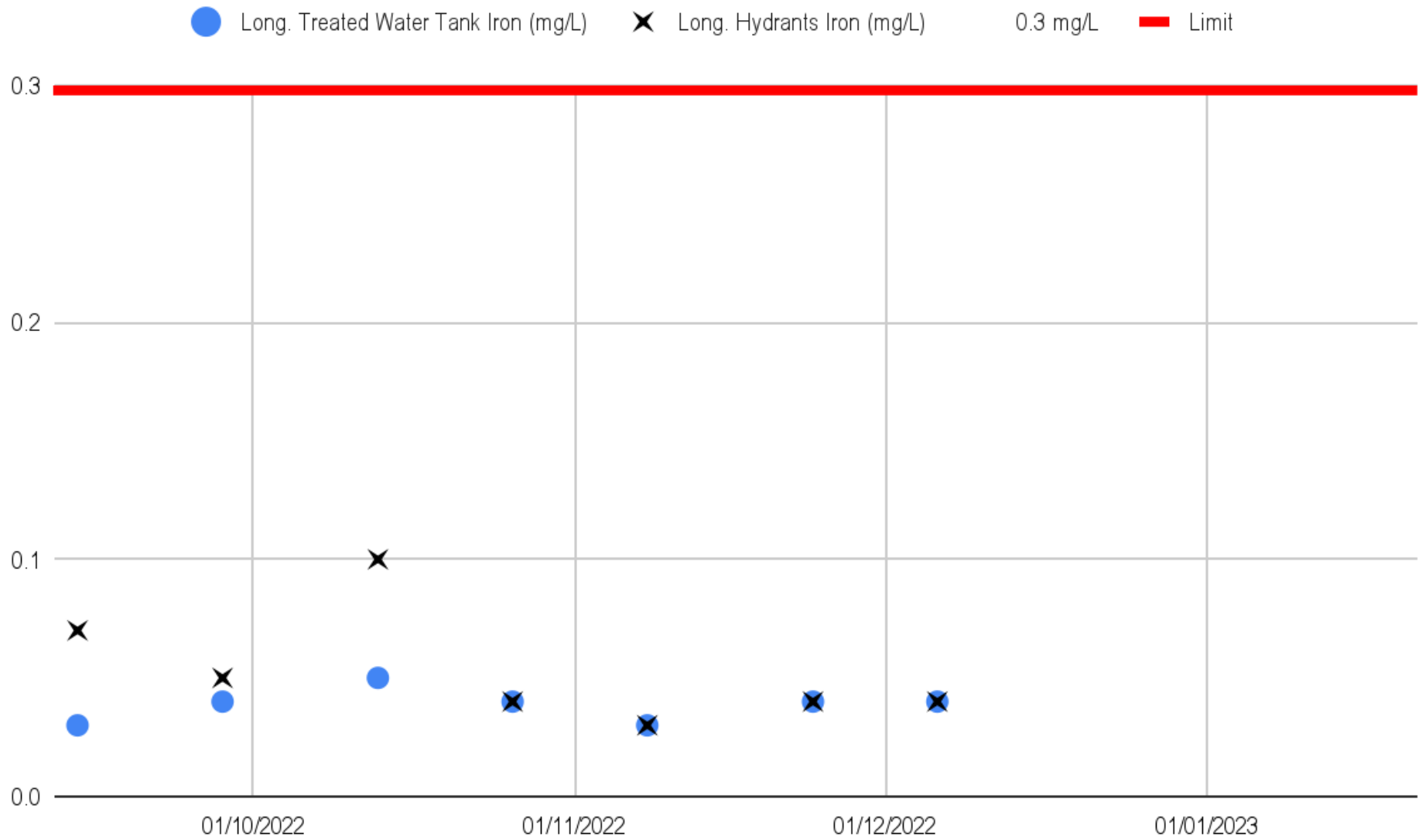
● Long. Treated Water Tank Colour (Pt/Co) ✕ Long. Hydrants Colour (Pt/Co) 15 Pt/Co — Limit



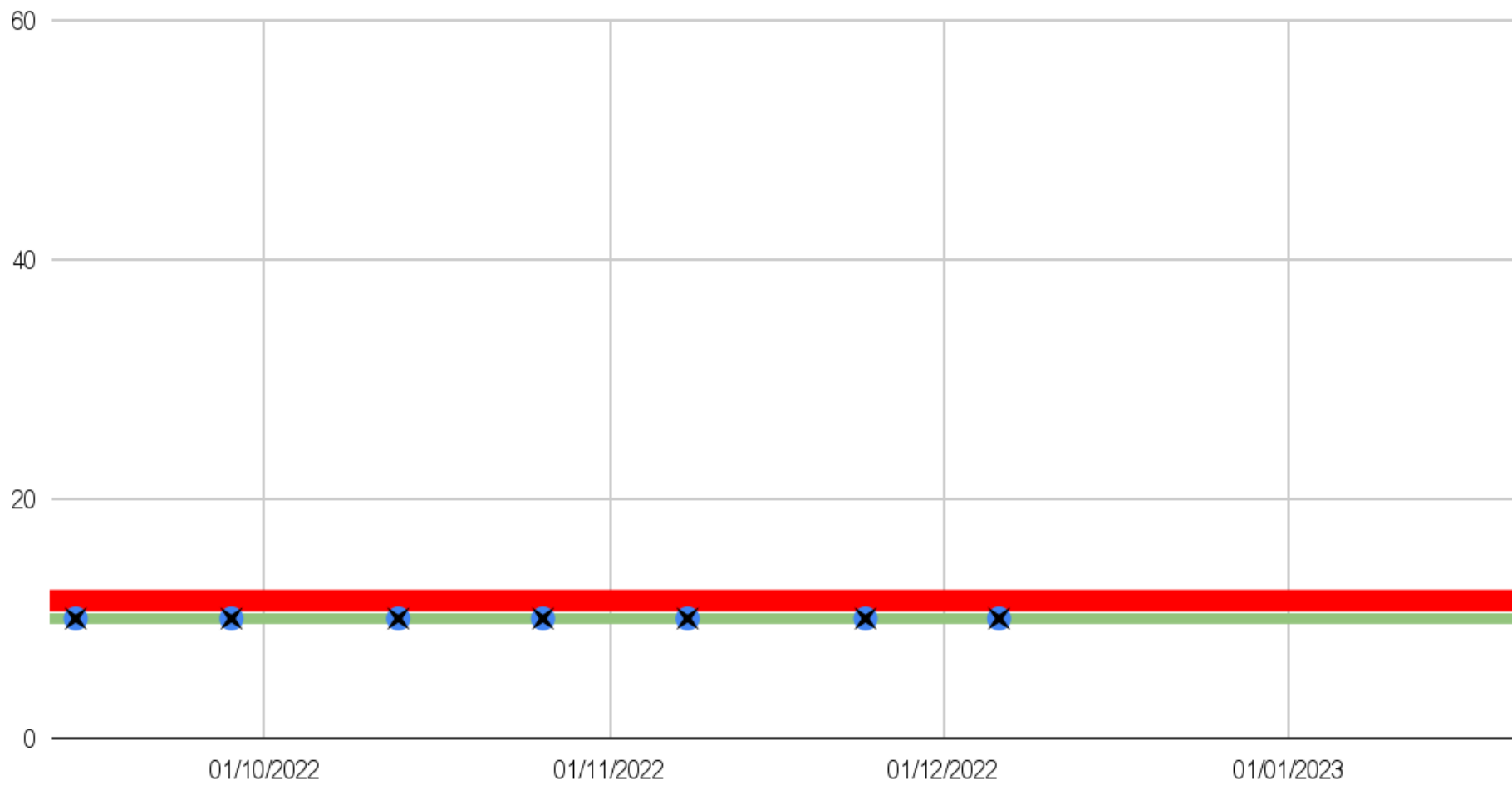


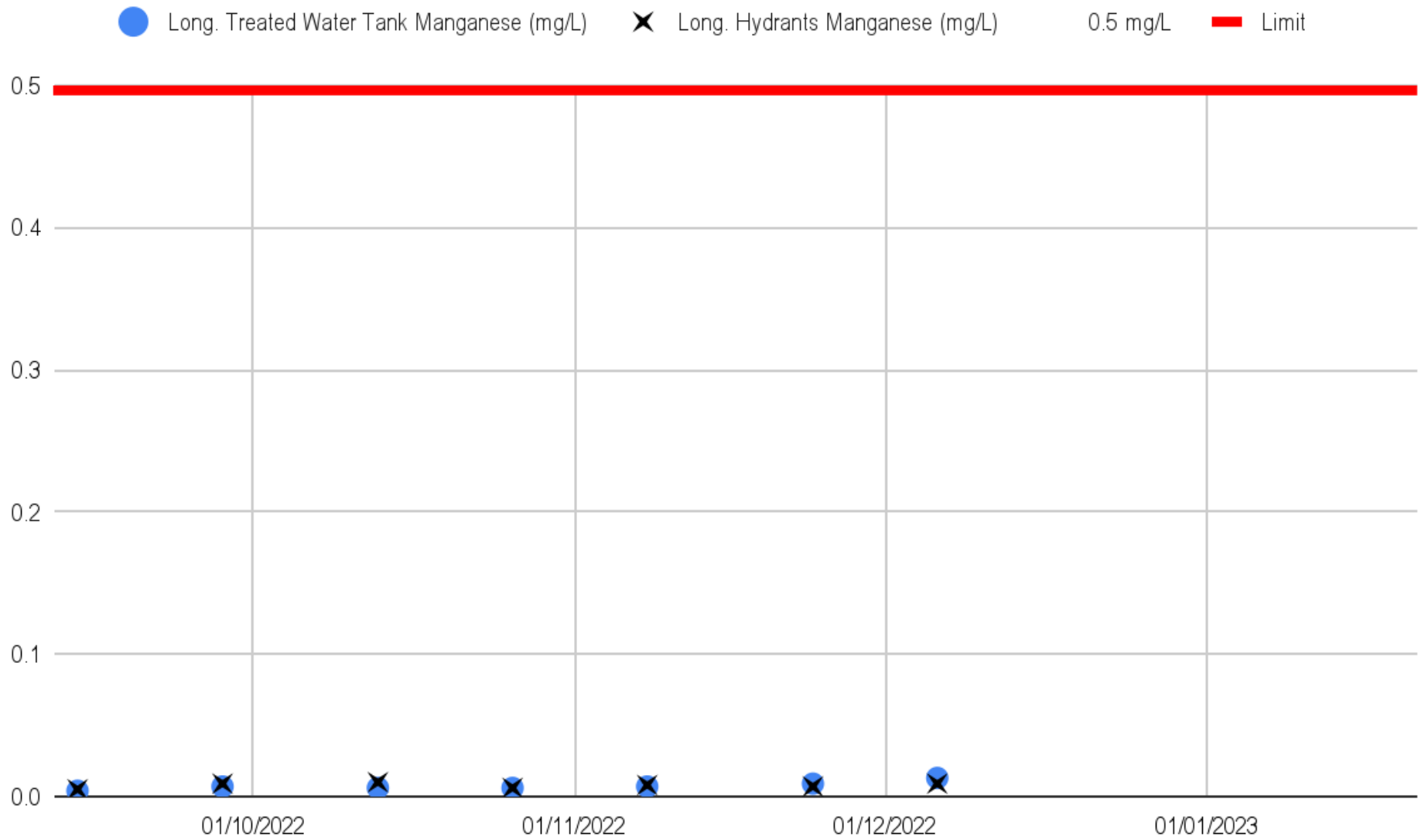
● Long. Treated Water Tank E.coli (CFU/100mL) ✕ Long. Hydrants E.coli (CFU/100mL) 1 cfu/100mL — Limit



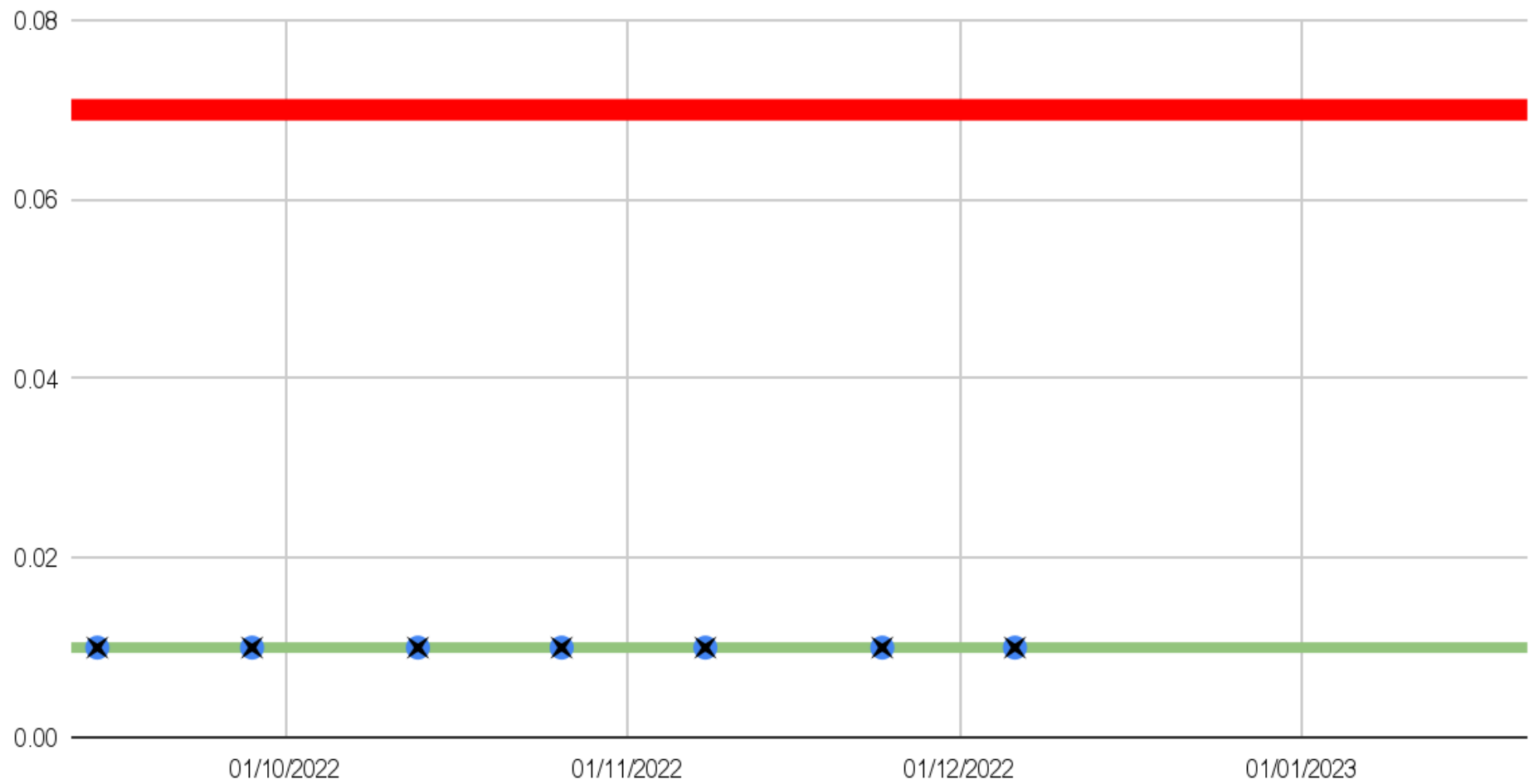


● Long. Treated Water Tank Legionella spp (CFU/mL) ✕ Long. Hydrants Legionella spp (CFU/mL) 10 cfu/mL ■ Limit
Non Detect Results ■

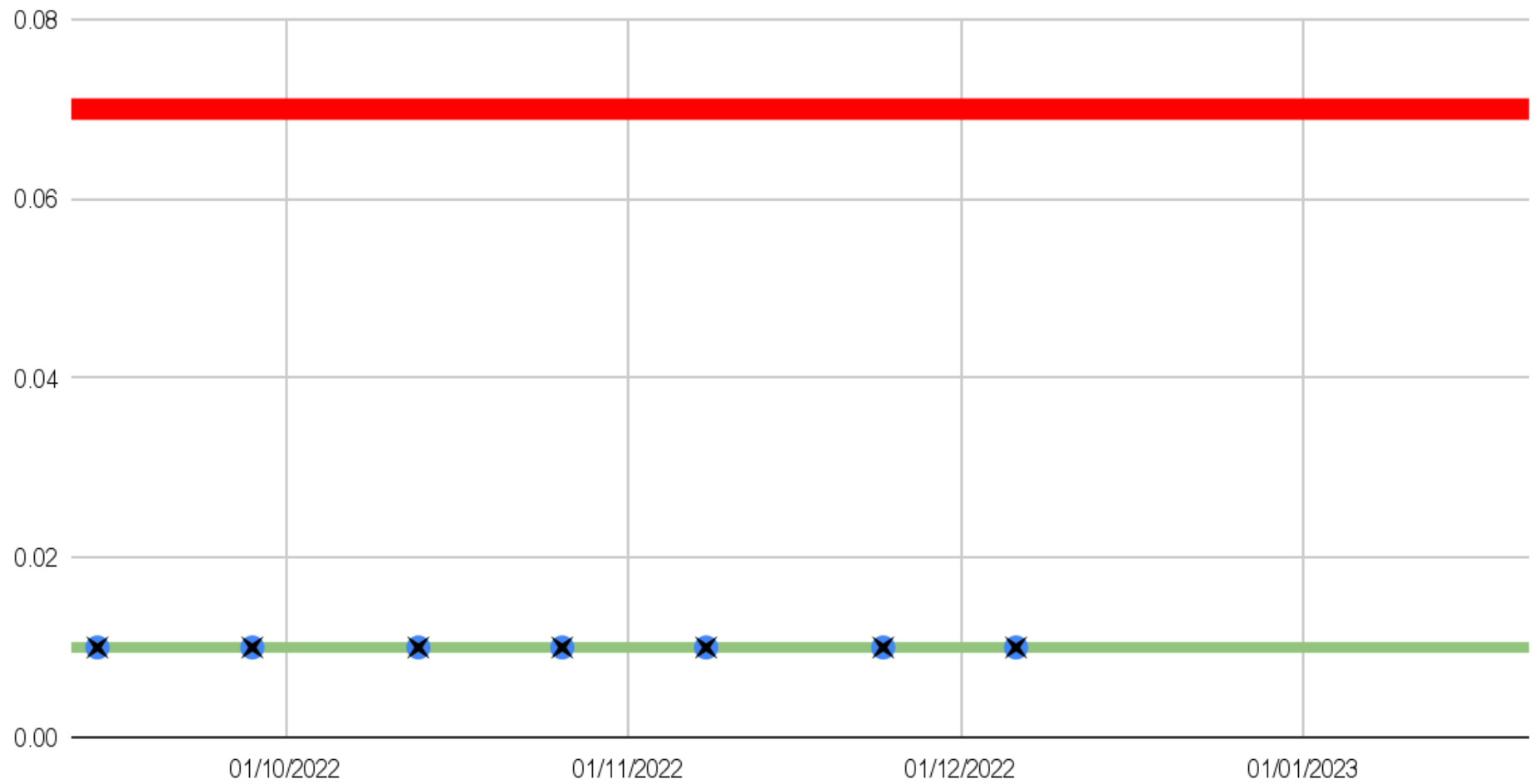




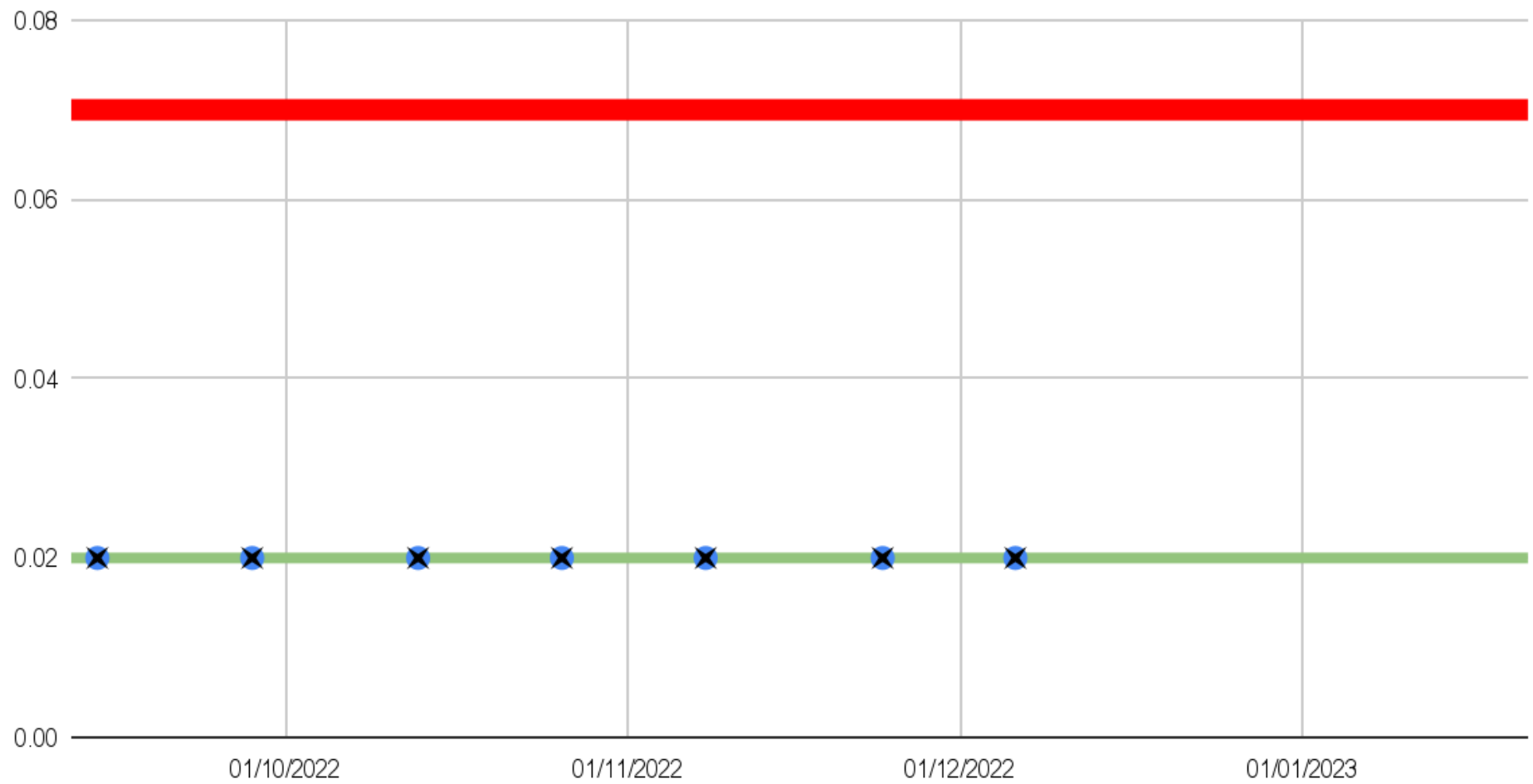
● Long. Treated Water Tank PFOA (µg/L) ✕ Long. Hydrants PFOA (µg/L) PFOA + PFOS 0.07 µg/L — Limit
Non Detect Results —

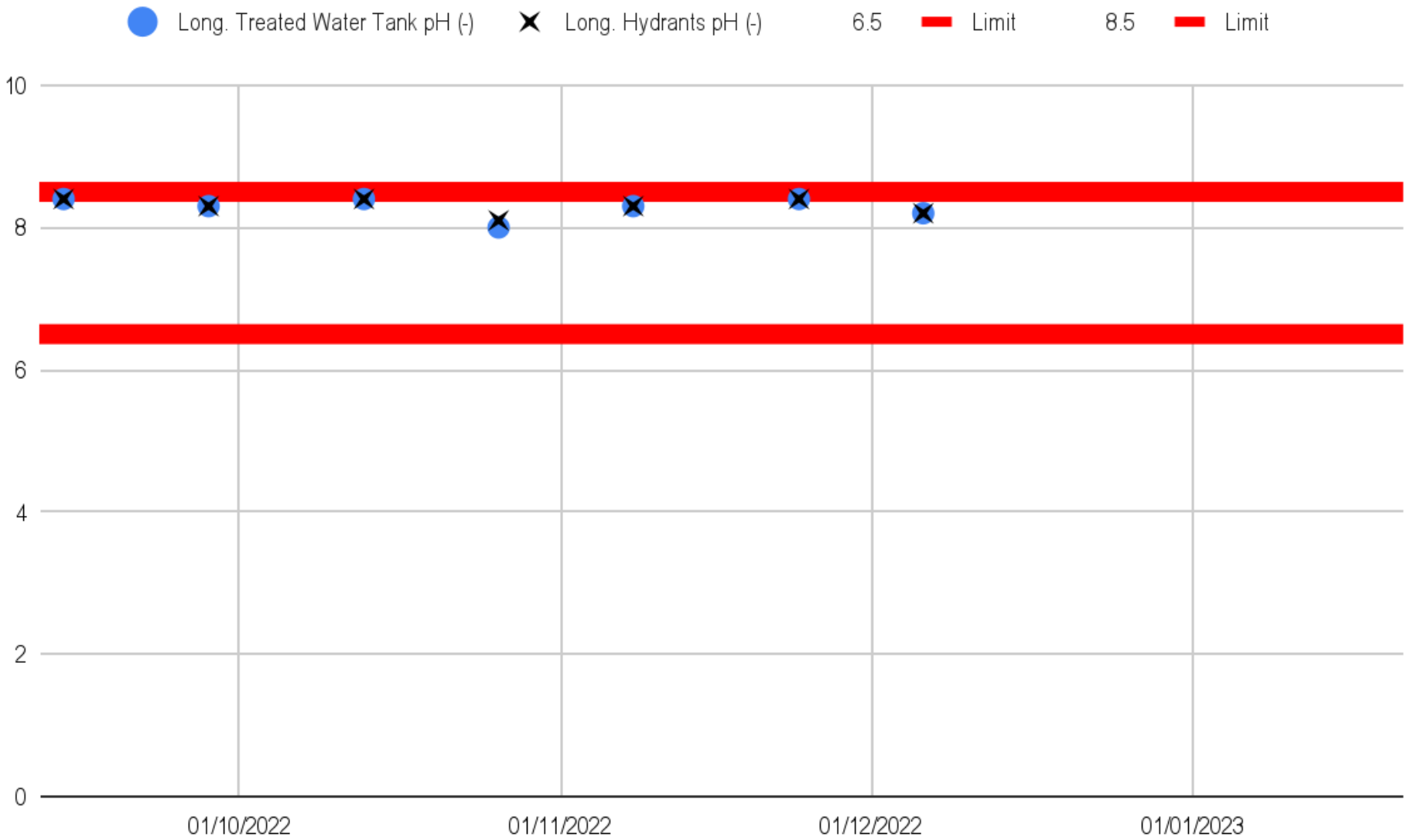


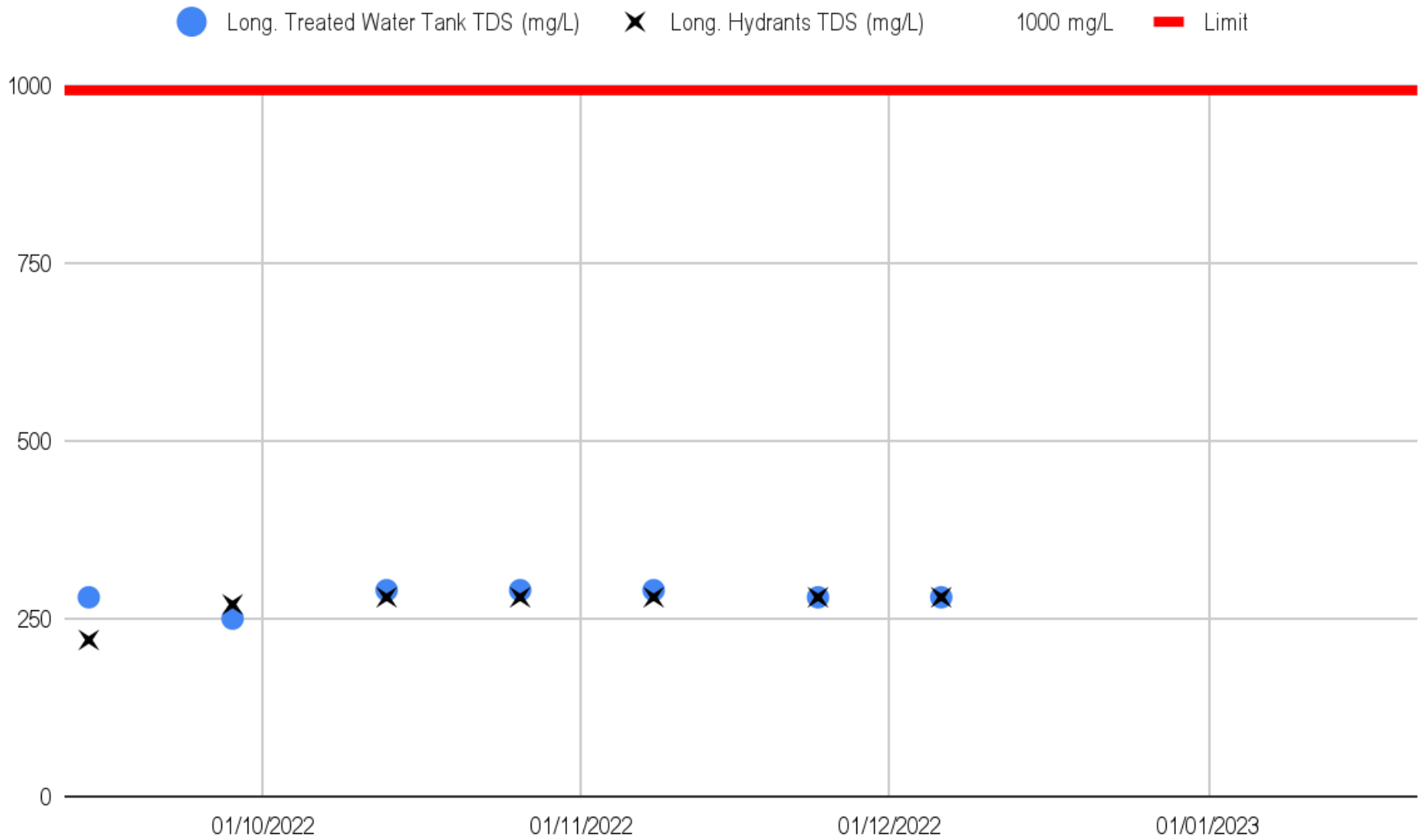
● Long. Treated Water Tank PFOS (µg/L) ✕ Long. Hydrants PFOS (µg/L) PFOA + PFOS 0.07 µg/L — Limit
Non Detect Results —

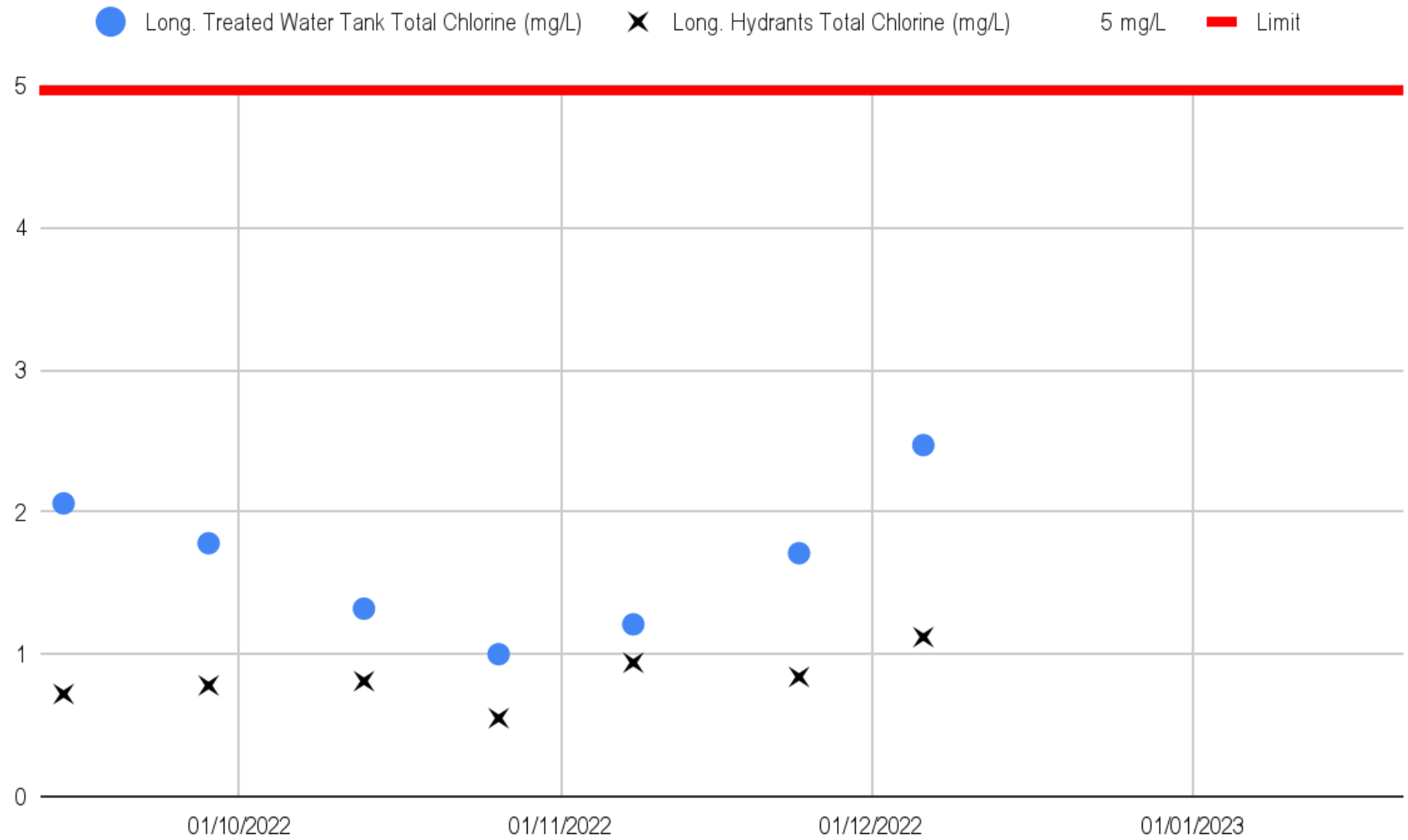


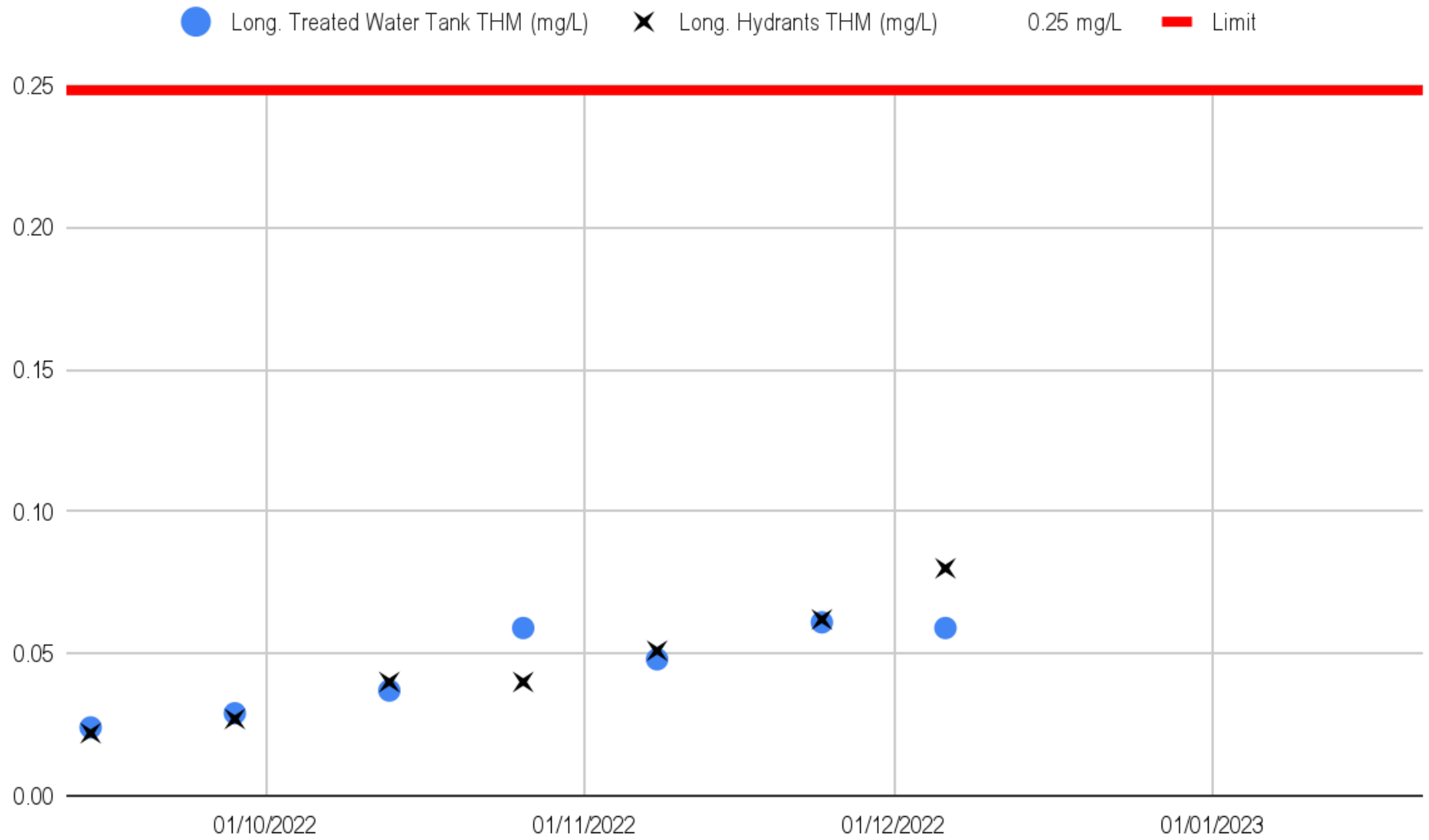
● Long. Treated Water Tank PFHxS (µg/L) ✕ Long. Hydrants PFHxS (µg/L) PFOS + PFHxS µg/L — Limit
Non Detect Results —

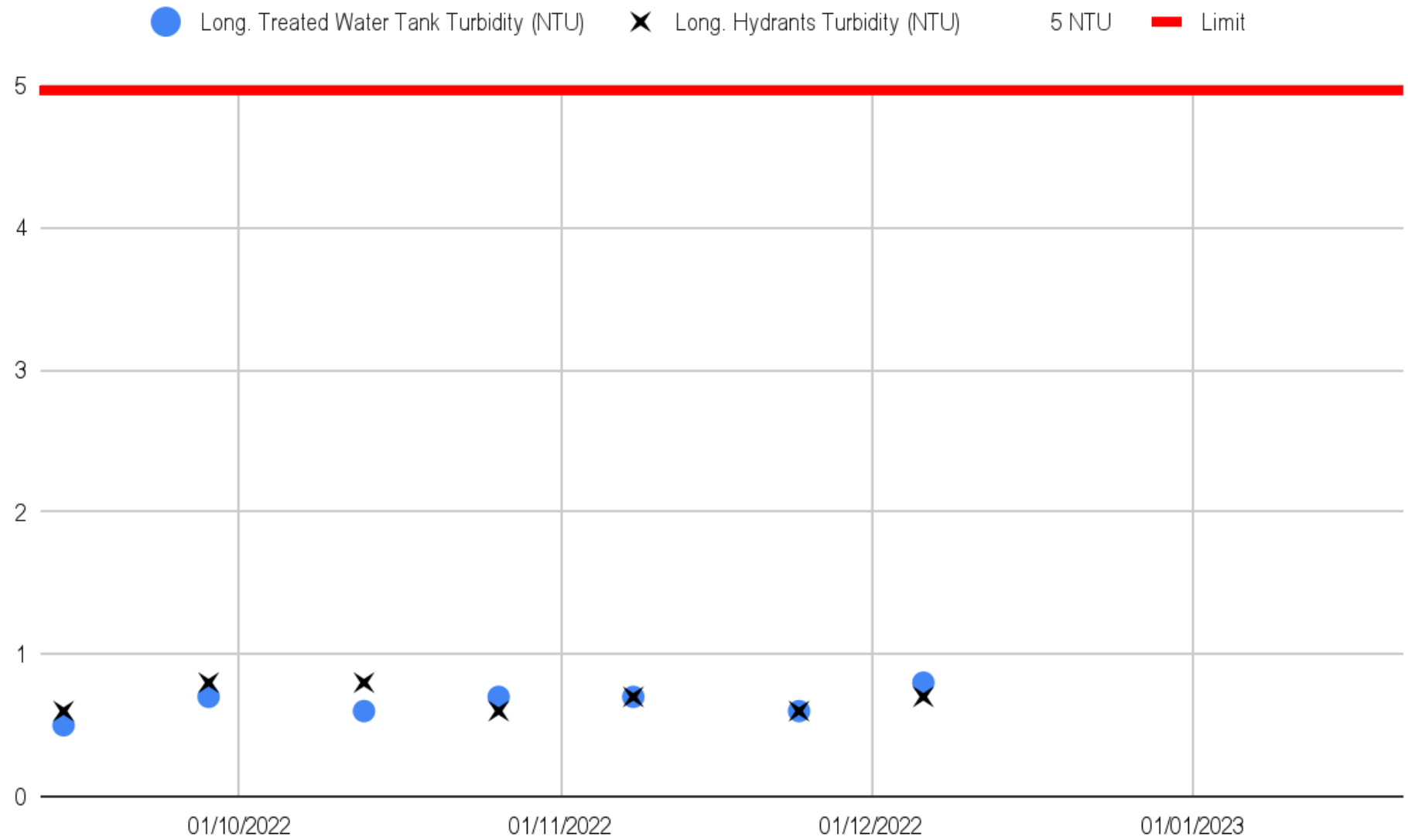




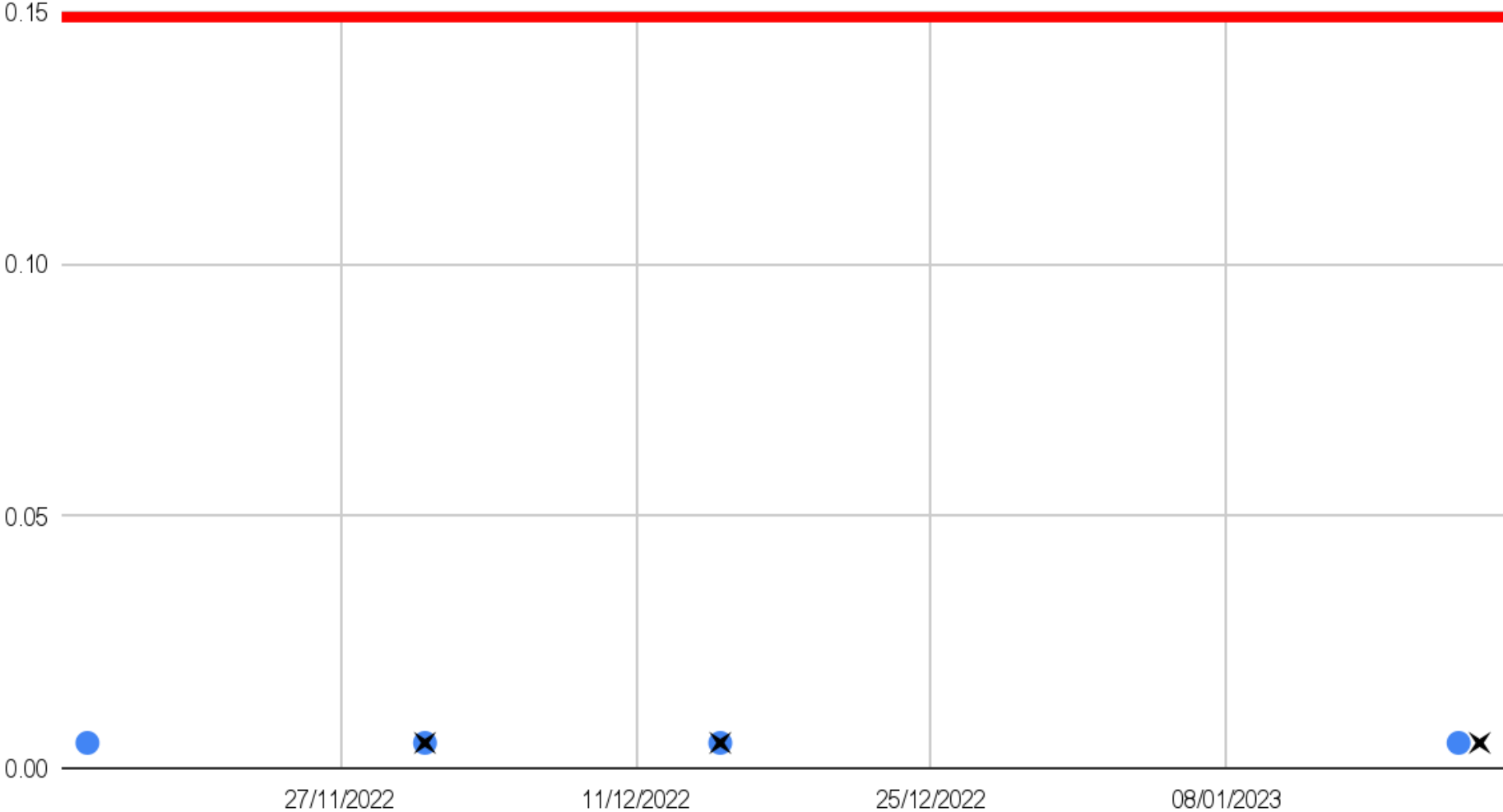




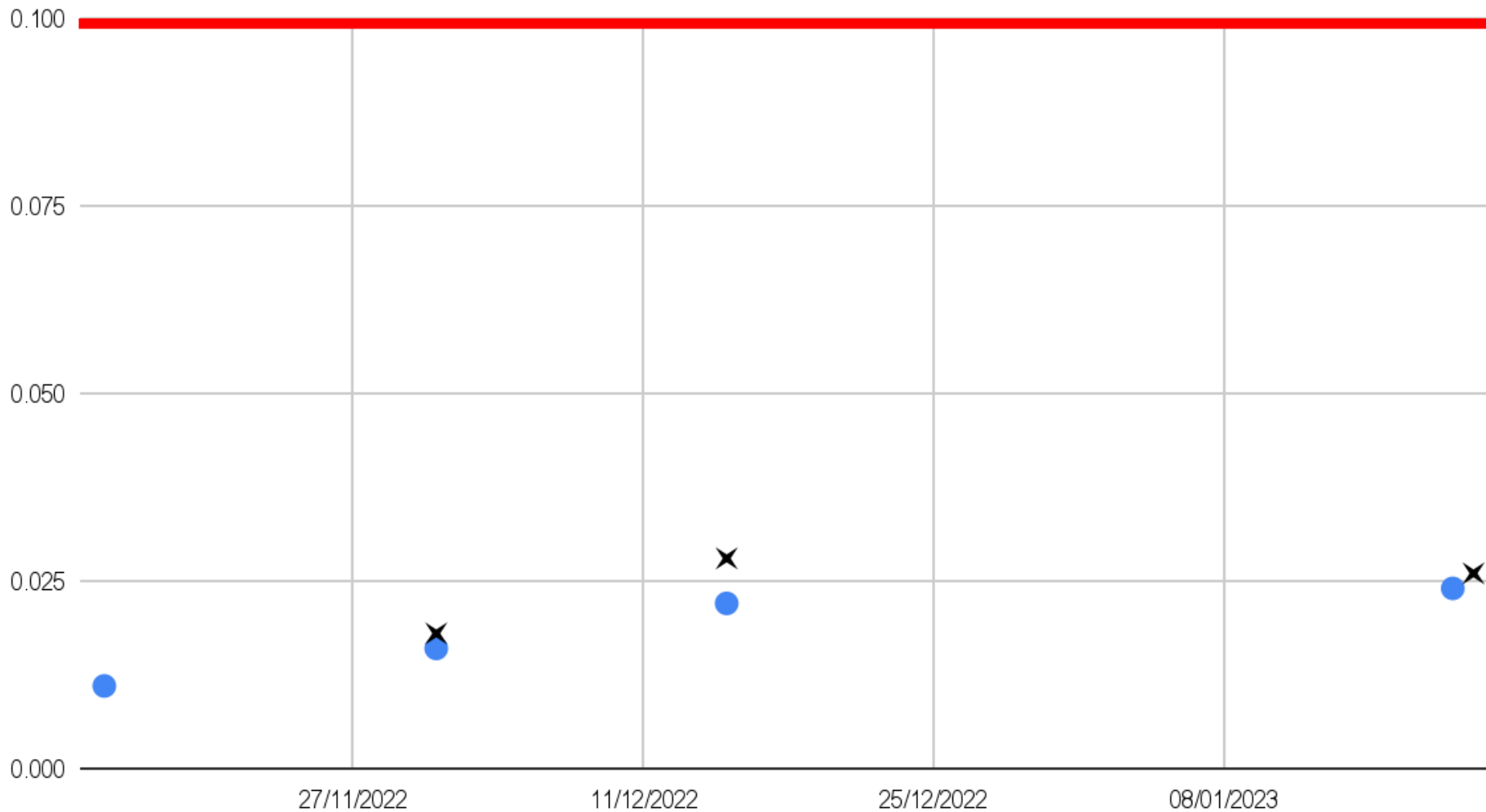




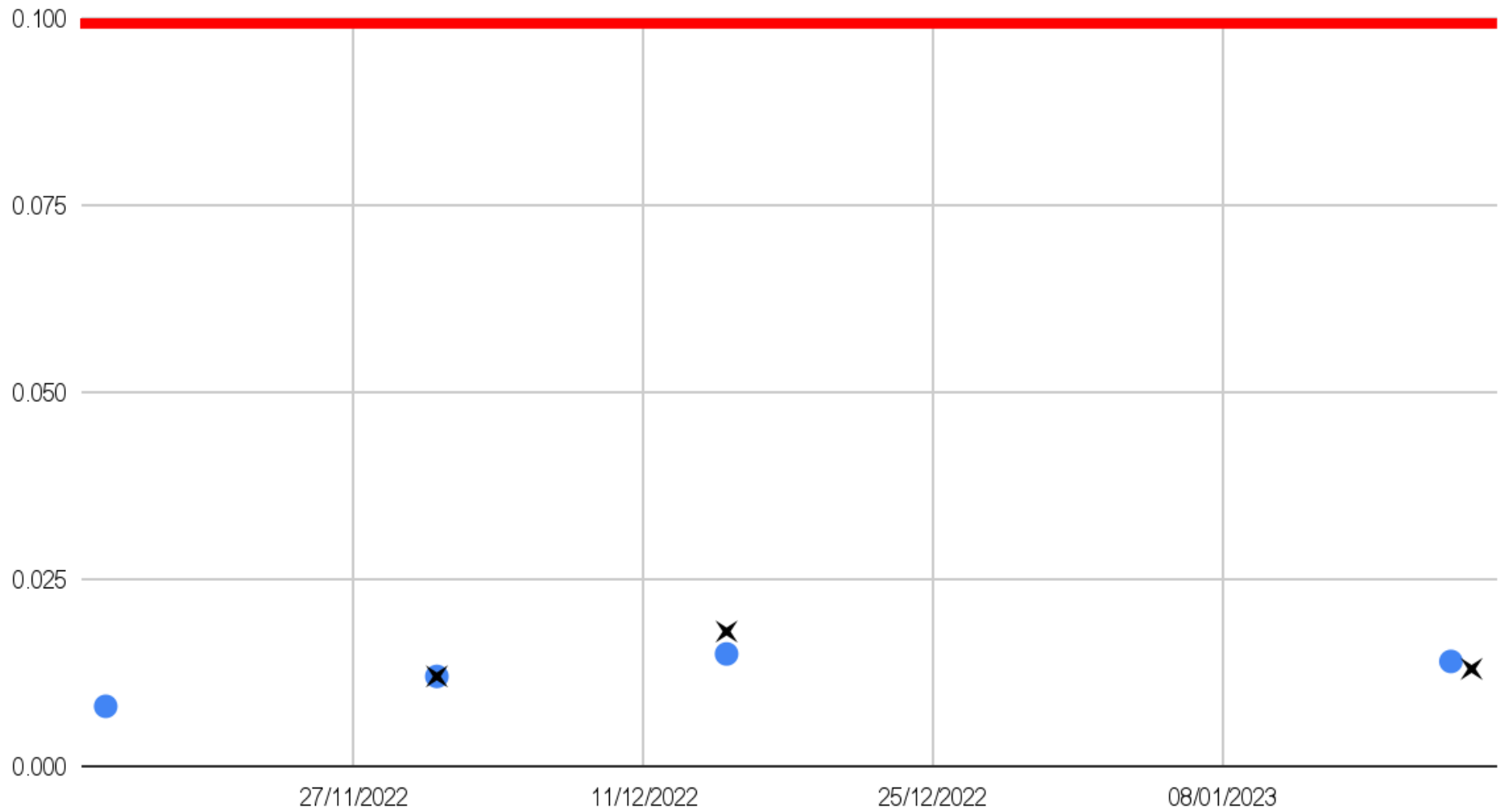
● Huntly Treated Water Tank Chloroacetic Acid (mg/L) ✕ Huntly Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L — Limit



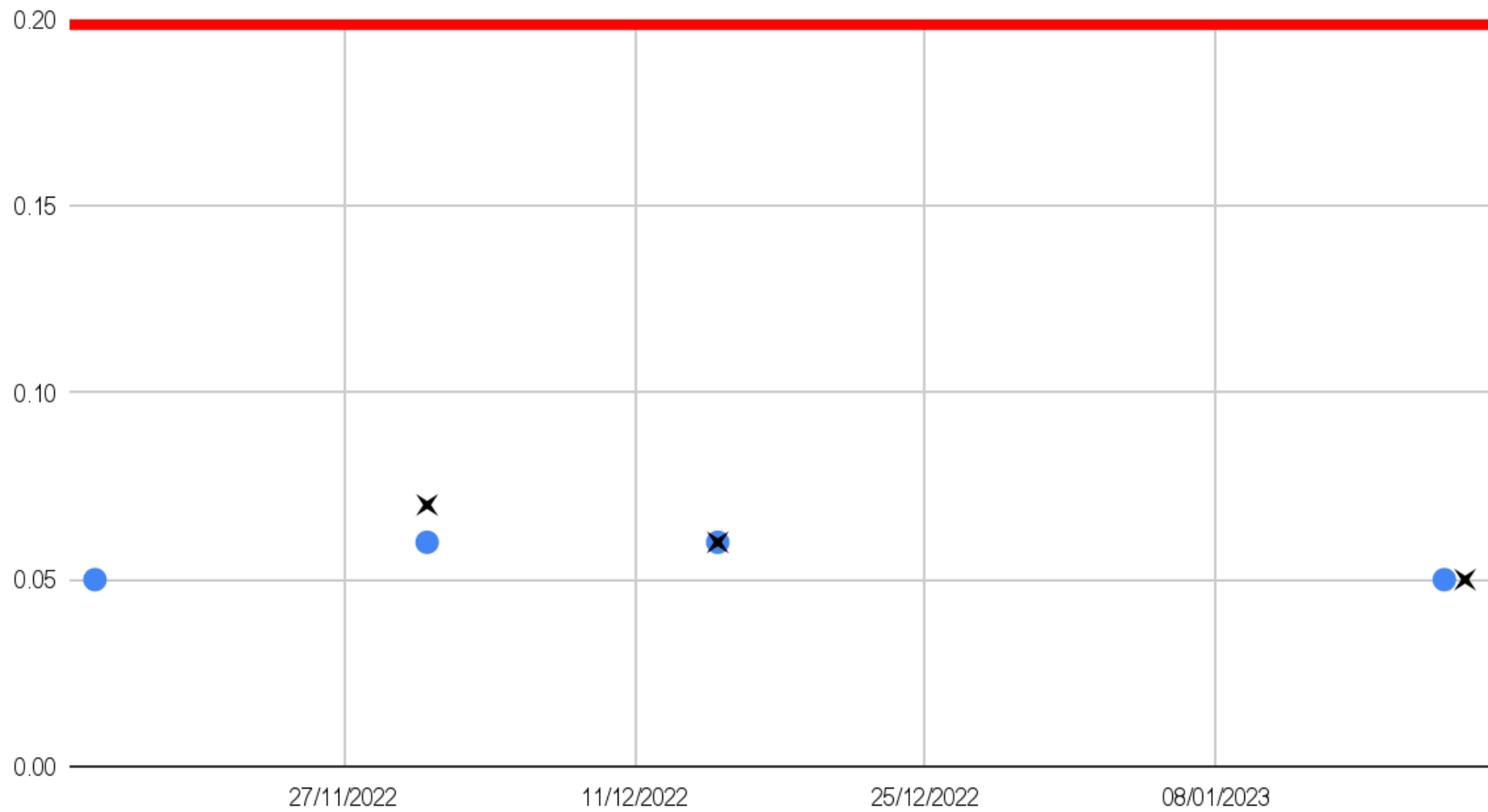
● Huntly Treated Water Tank Dichloroacetic Acid (mg/L) ✕ Huntly Hydrants Dichloroacetic Acid (mg/L) 0.1 mg/L — Limit



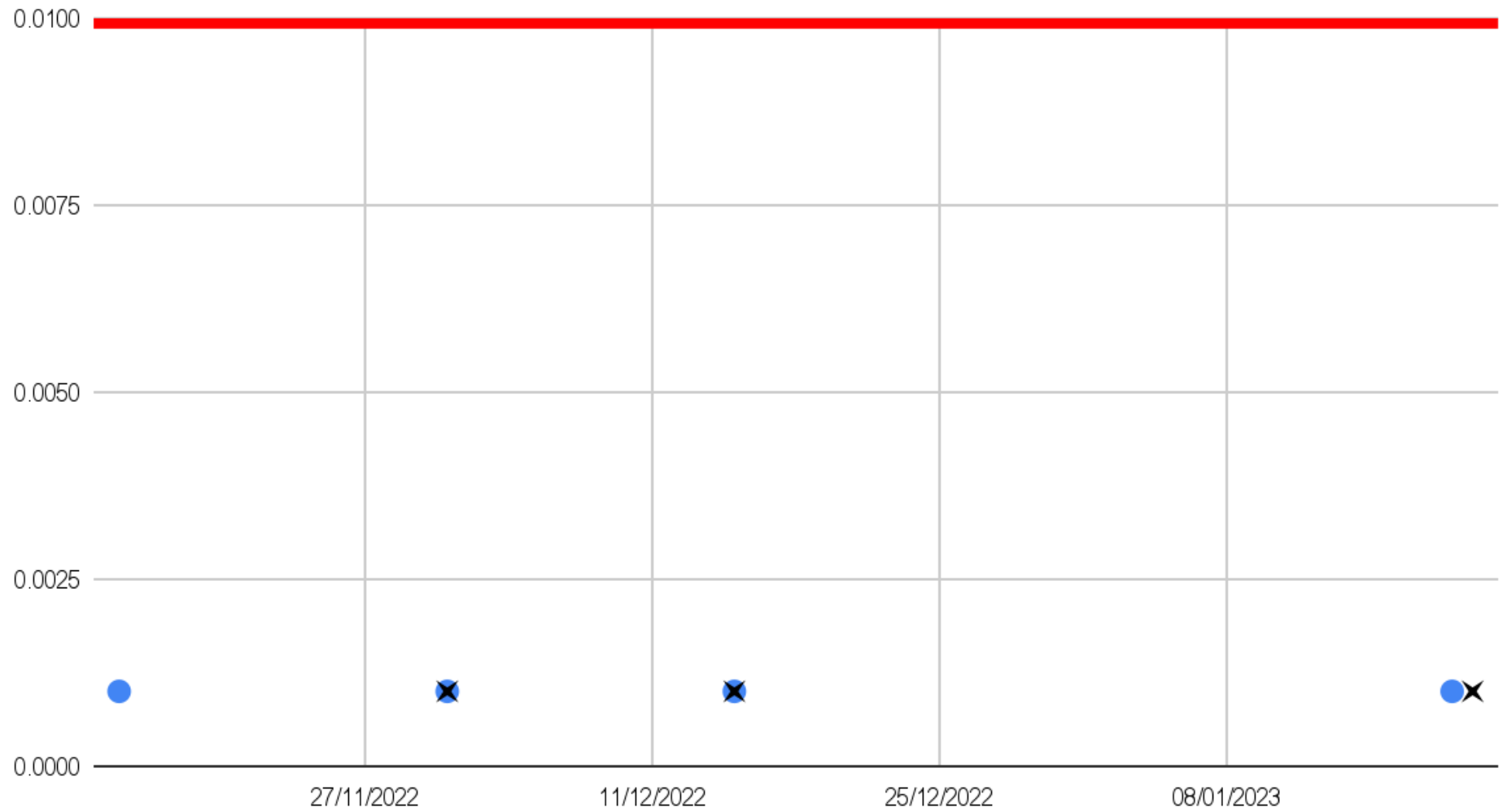
● Huntly Treated Water Tank Trichloroacetic Acid (mg/L) ✕ Huntly Hydrants Trichloroacetic Acid (mg/L) 0.1 mg/L — Limit



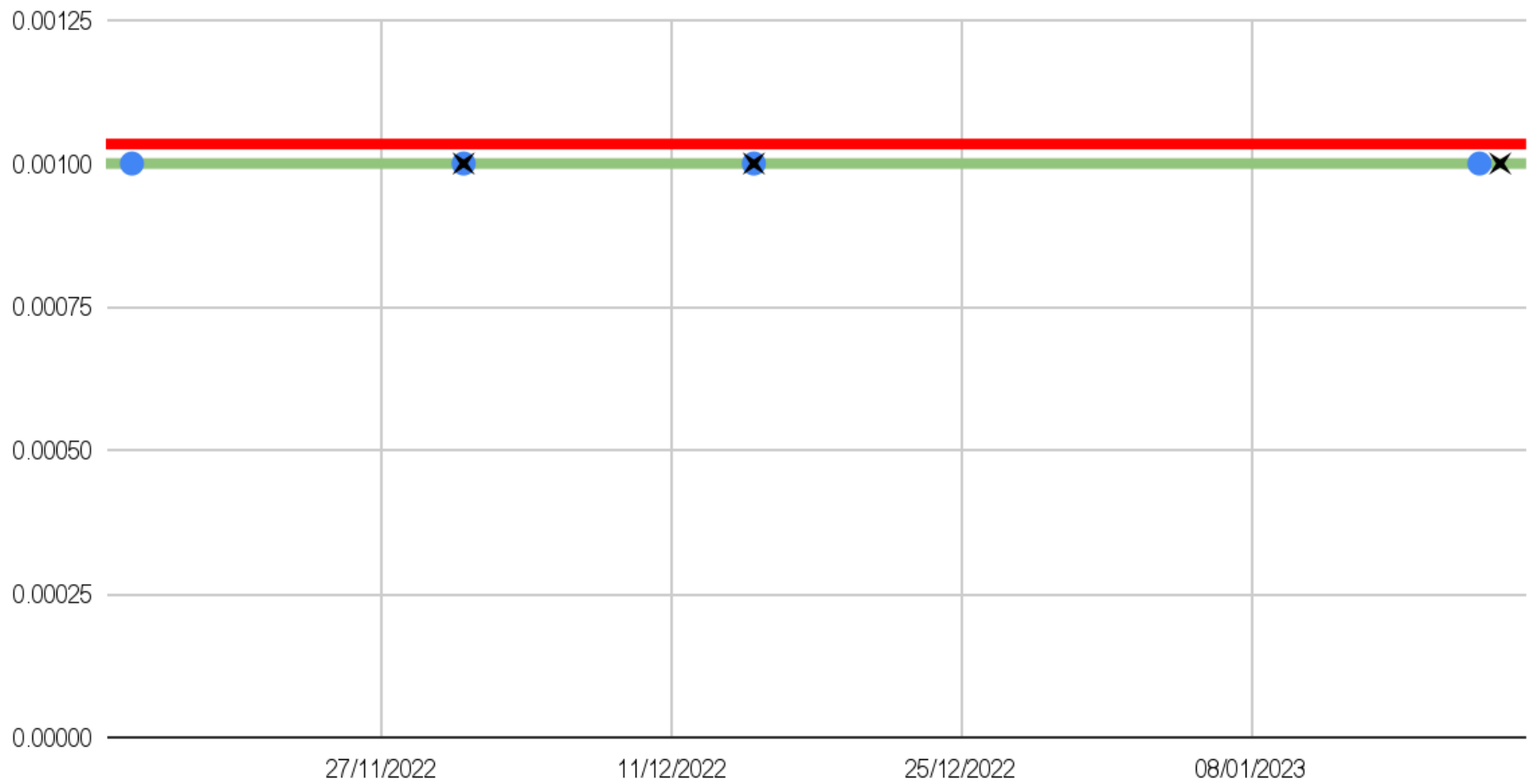
● Huntly Treated Water Tank Acid Soluble Aluminium (mg/L) ✕ Huntly Hydrants Acid Soluble Aluminium (mg/L) 0.2 mg/L ■ Limit

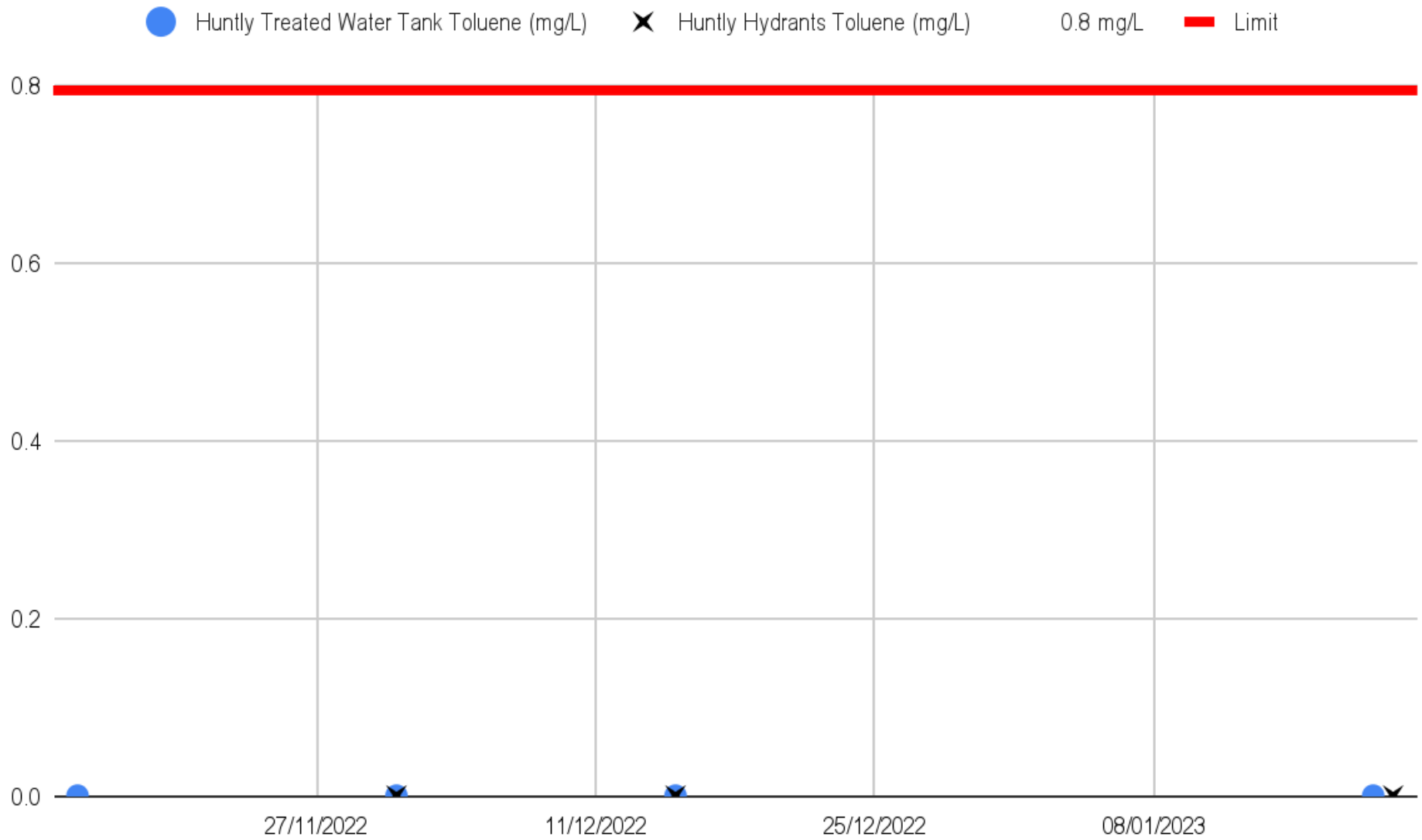


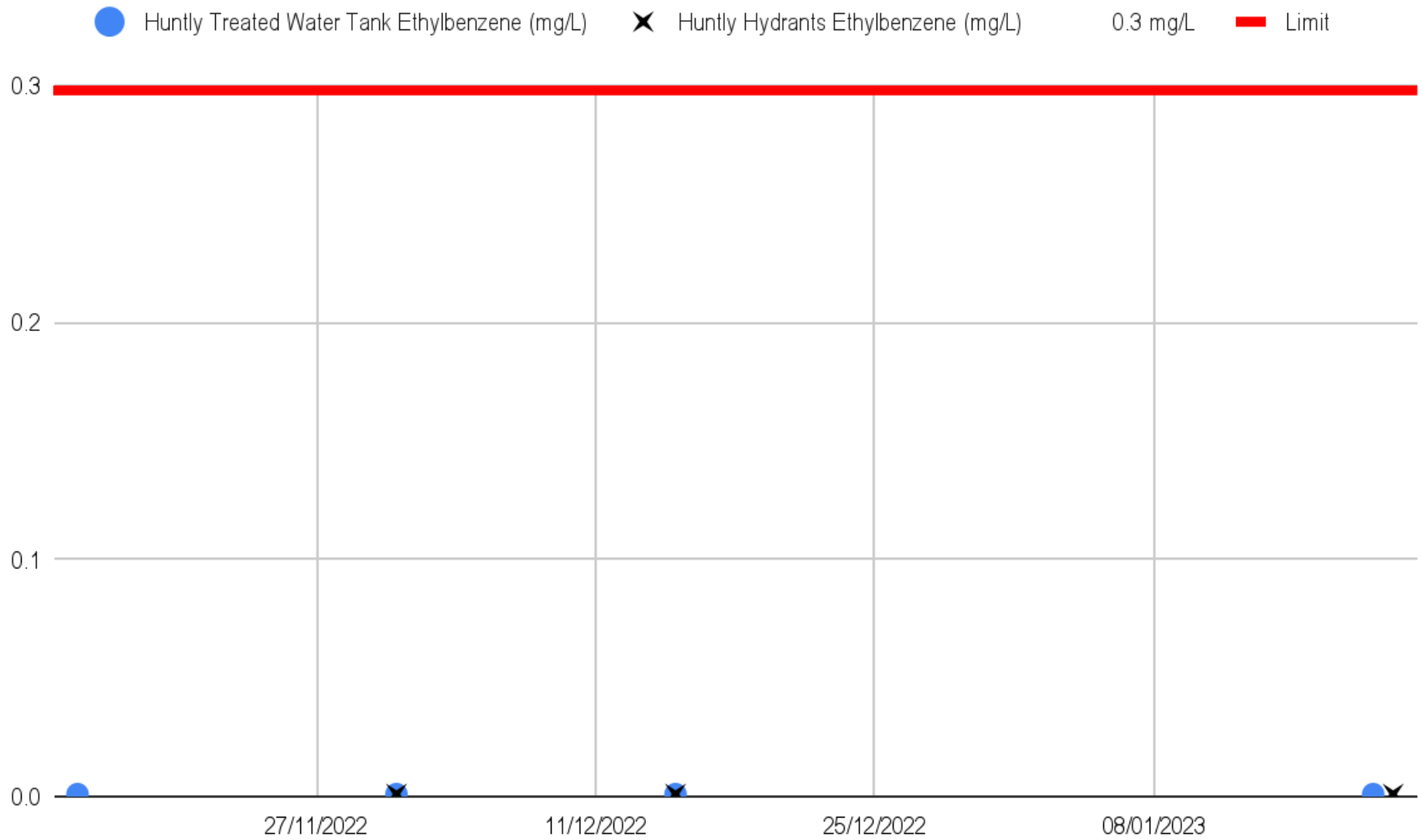
● Huntly Treated Water Tank Arsenic (mg/L) ✕ Huntly Hydrants Arsenic (mg/L) 0.01 mg/L — Limit

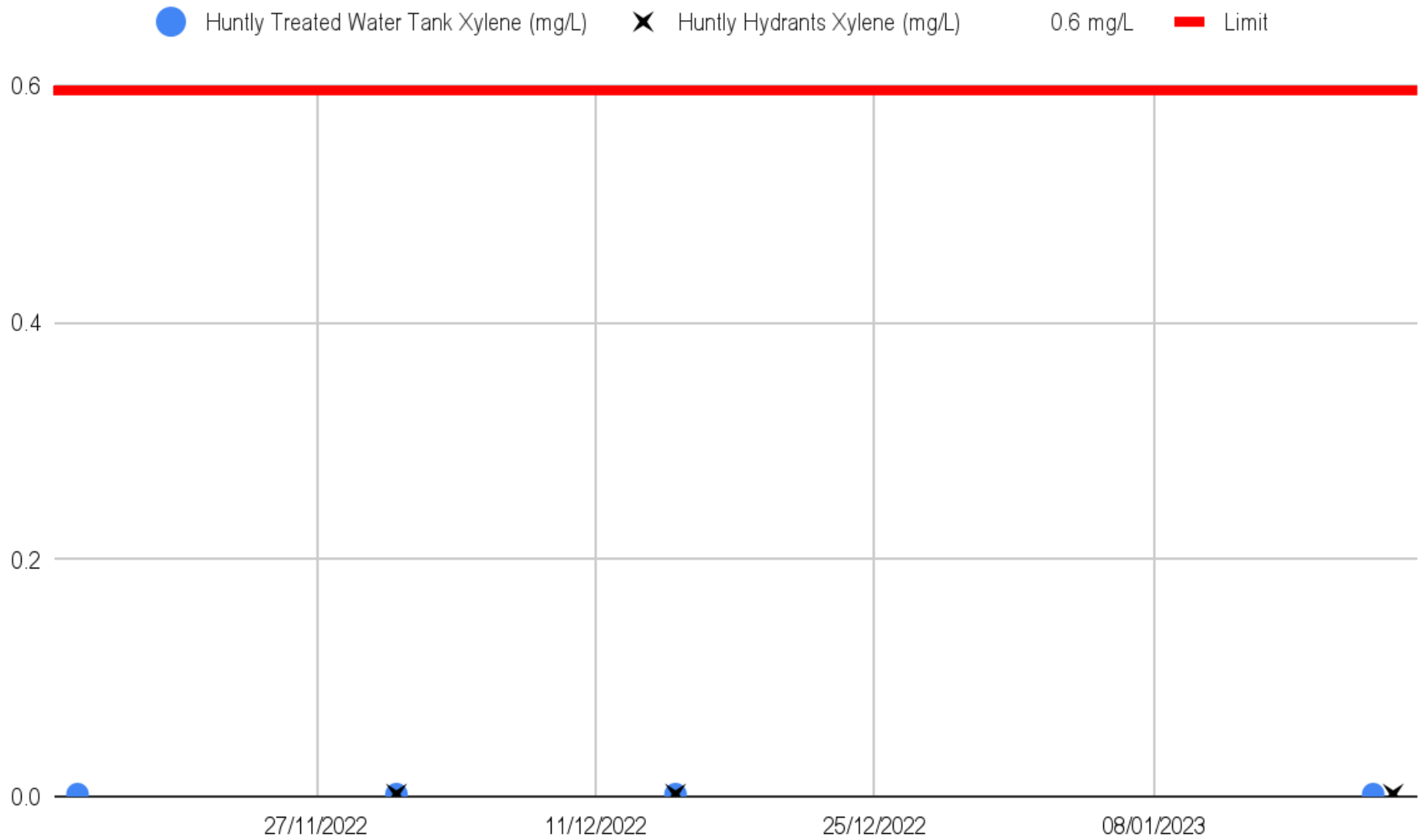


● Huntly Treated Water Tank Benzene (mg/L) ✕ Huntly Hydrants Benzene (mg/L) 0.001 mg/L **Limit**
Non Detect Results **—**

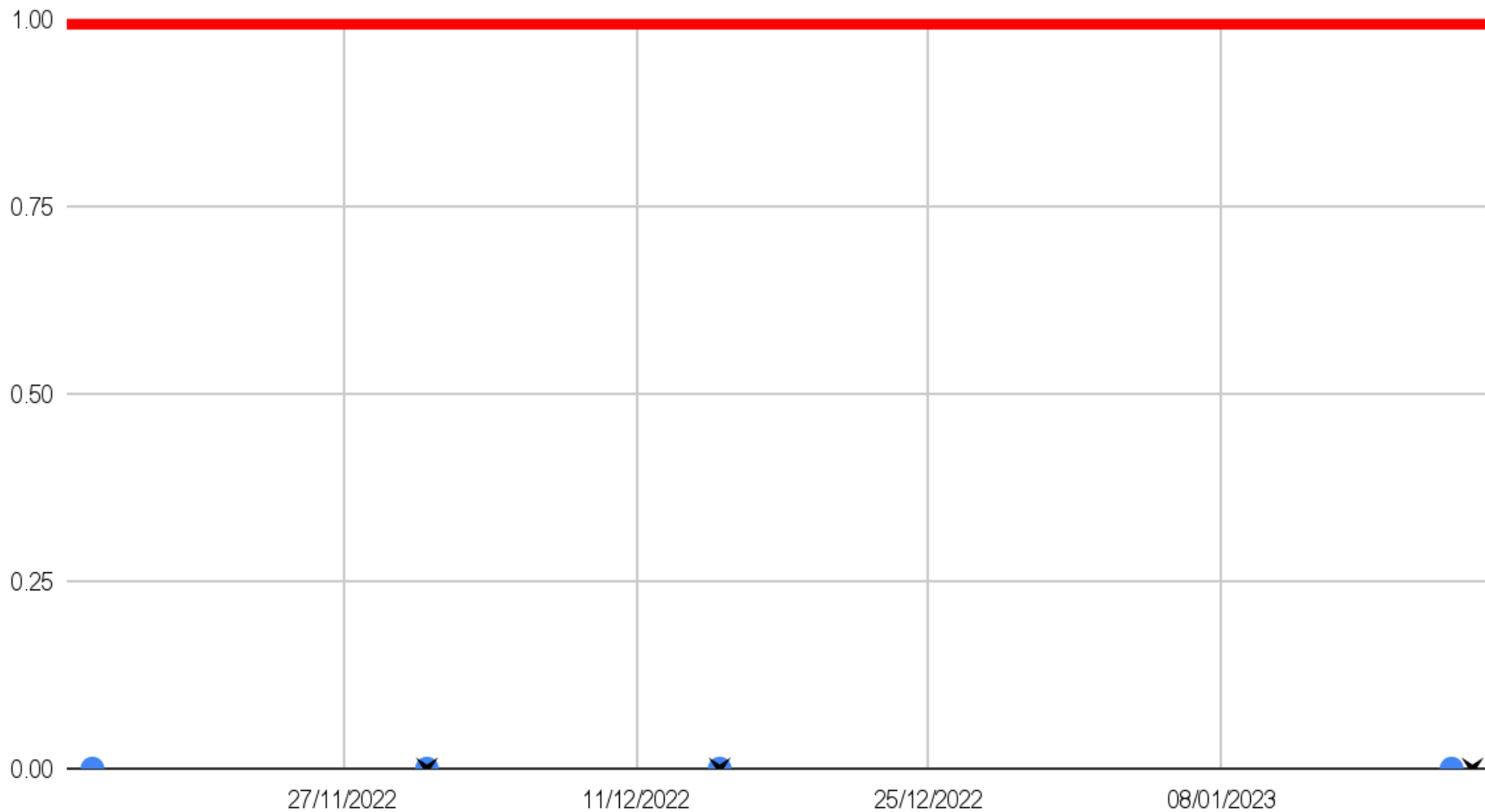




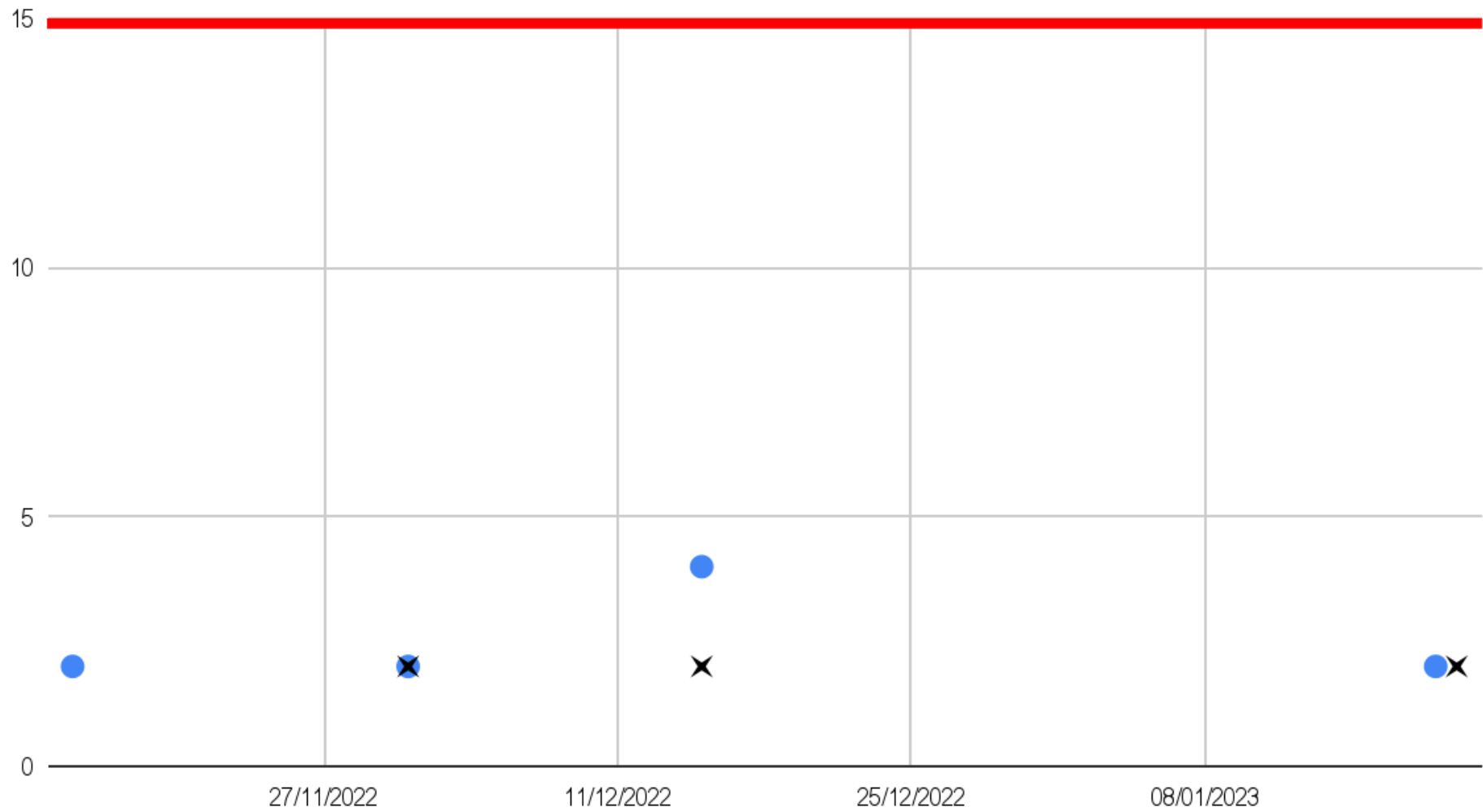


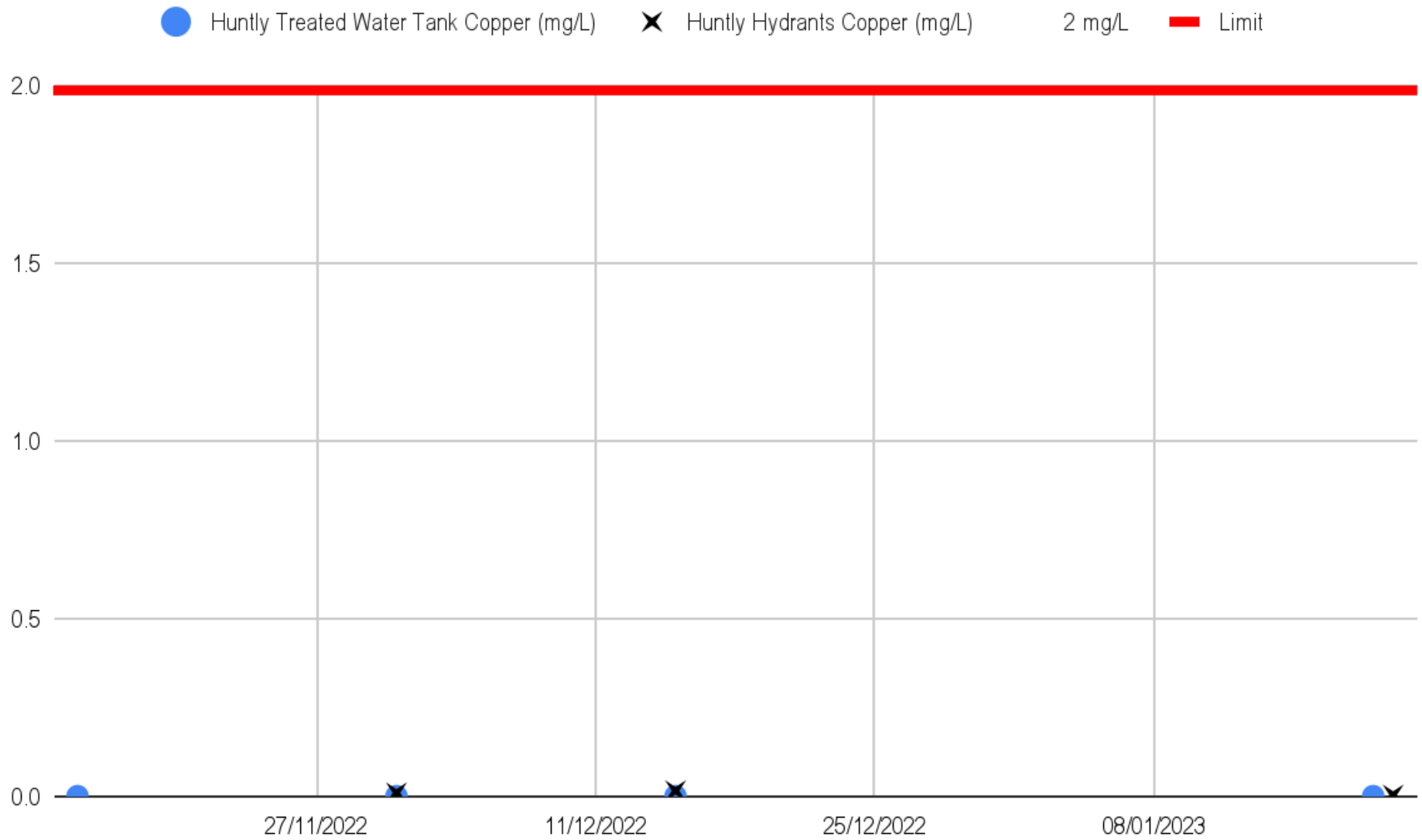


● Huntly Treated Water Tank Coliforms (CFU/100mL) ✕ Huntly Hydrants Coliforms (CFU/100mL) 1 CFU/100mL ■ Limit

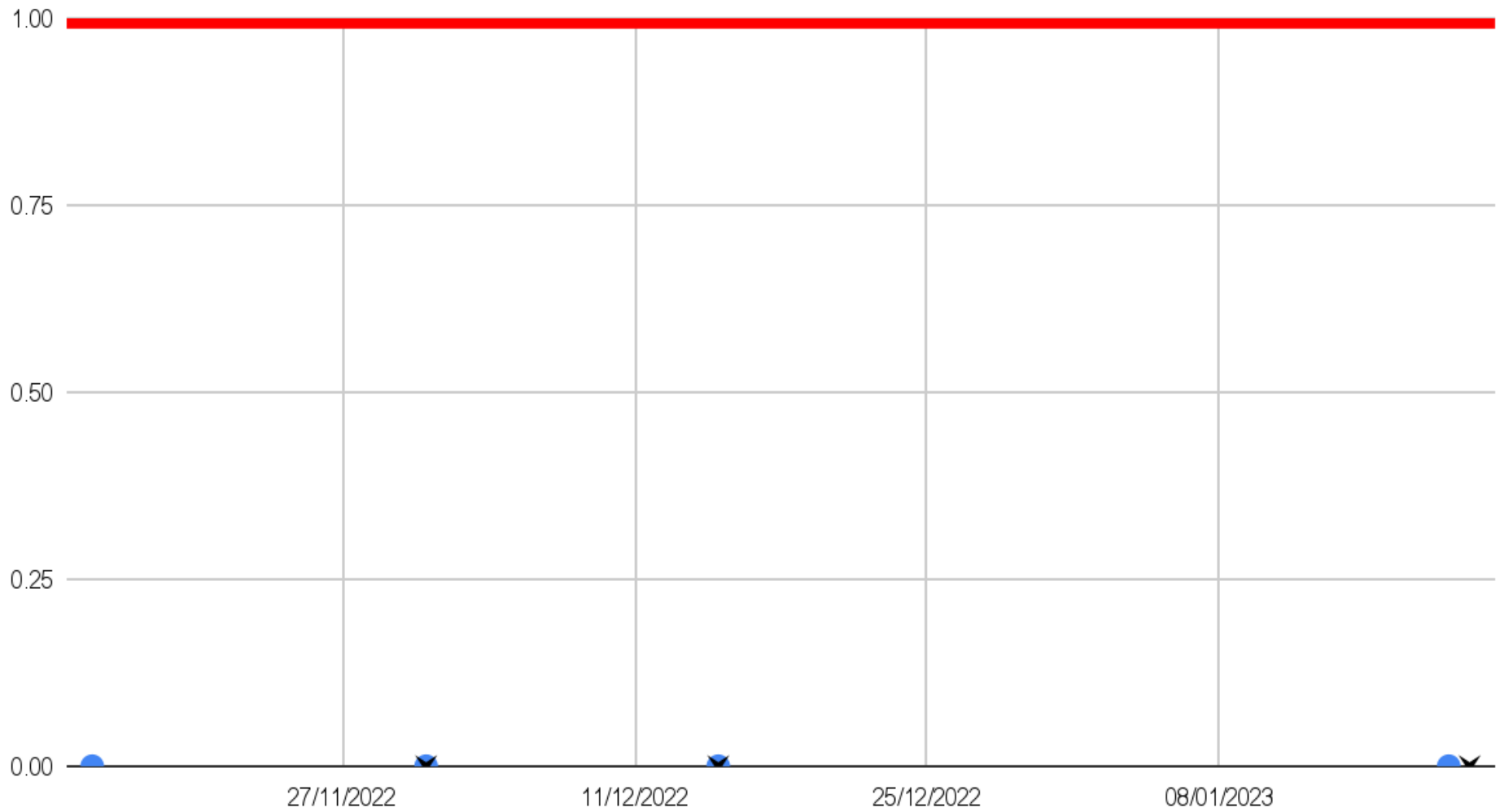


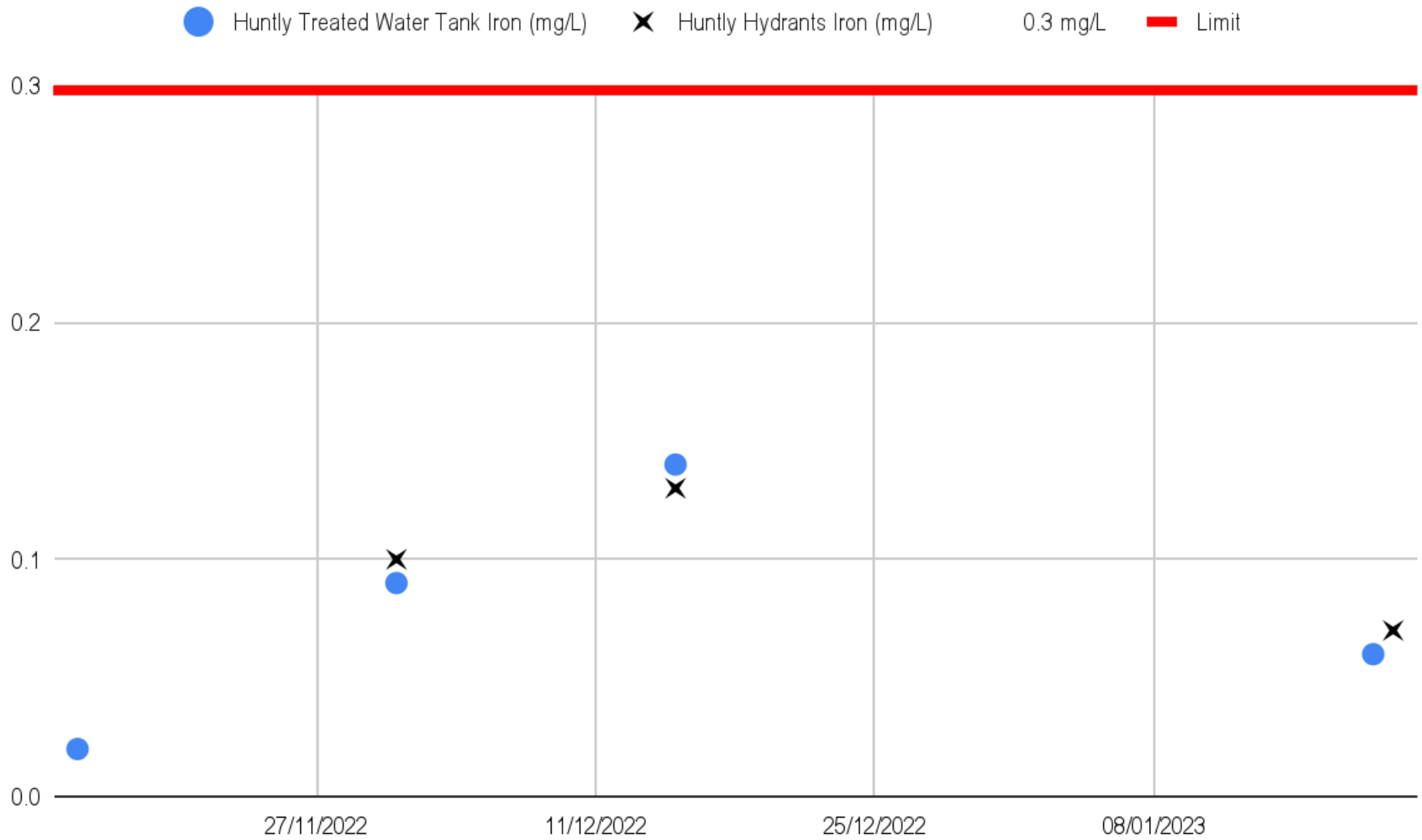
● Huntly Treated Water Tank Colour (Pt/Co) ✕ Huntly Hydrants Colour (Pt/Co) 15 Pt/Co — Limit



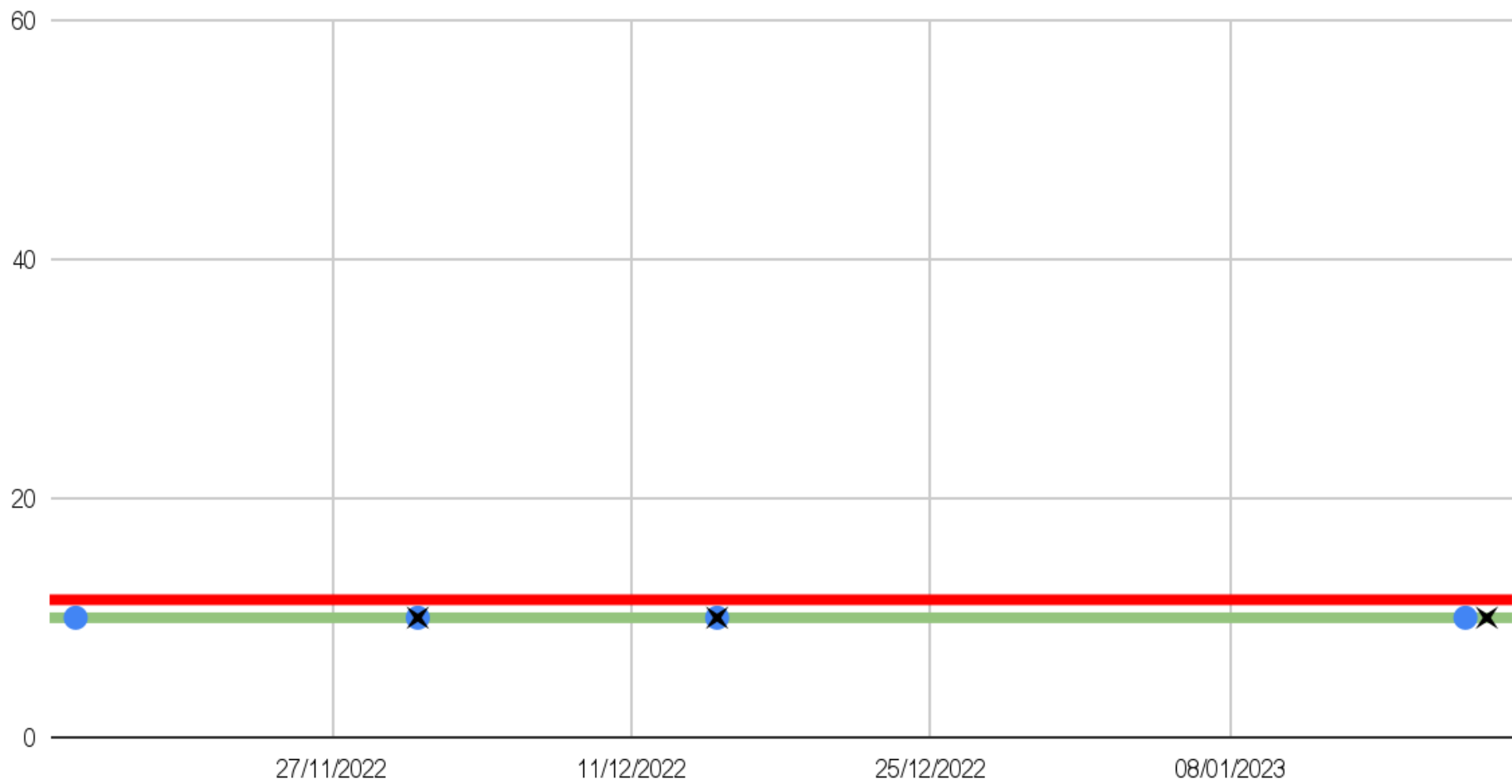


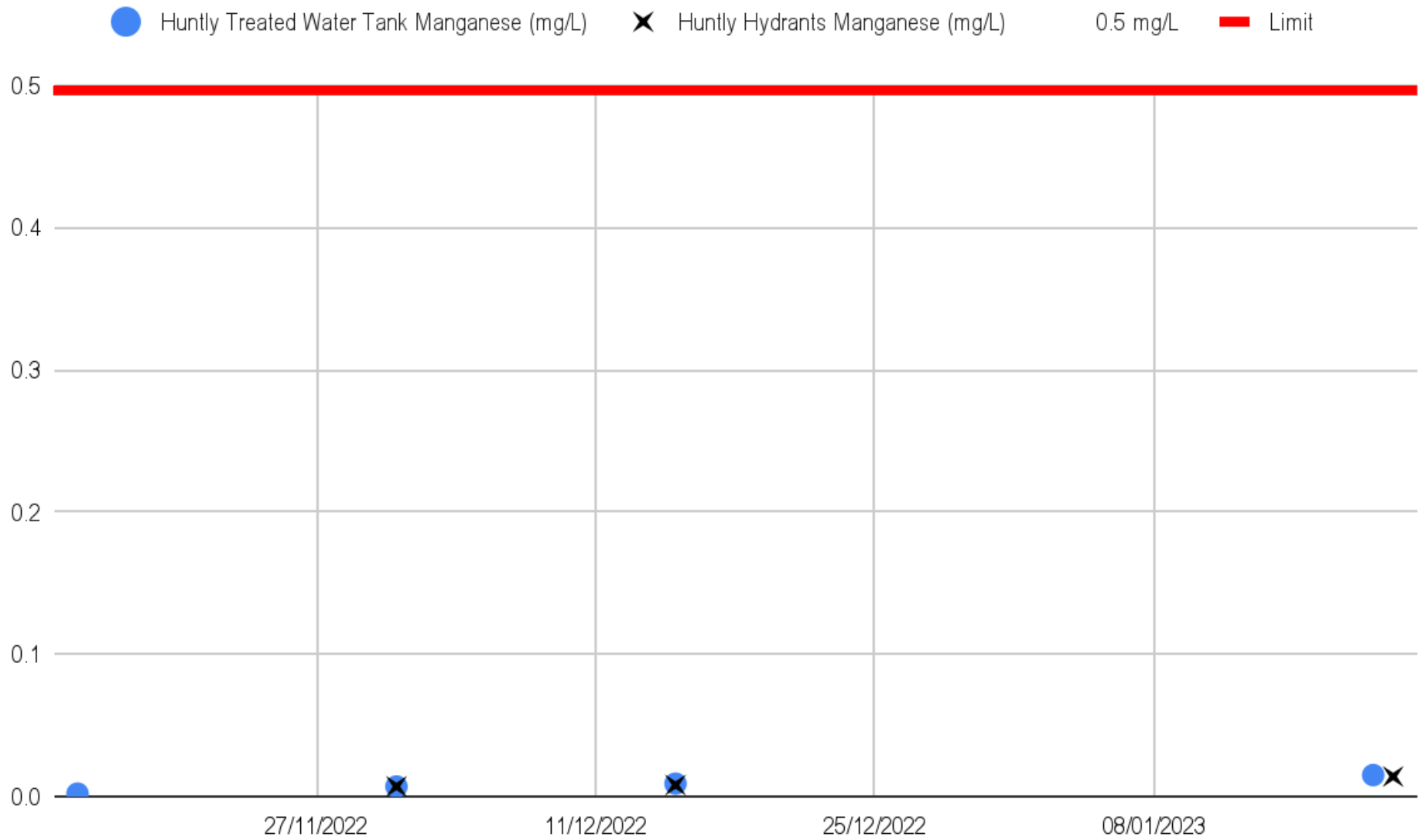
● Huntly Treated Water Tank E.coli (CFU/100mL) ✕ Huntly Hydrants E.coli (CFU/100mL) 1 CFU/100mL — Limit



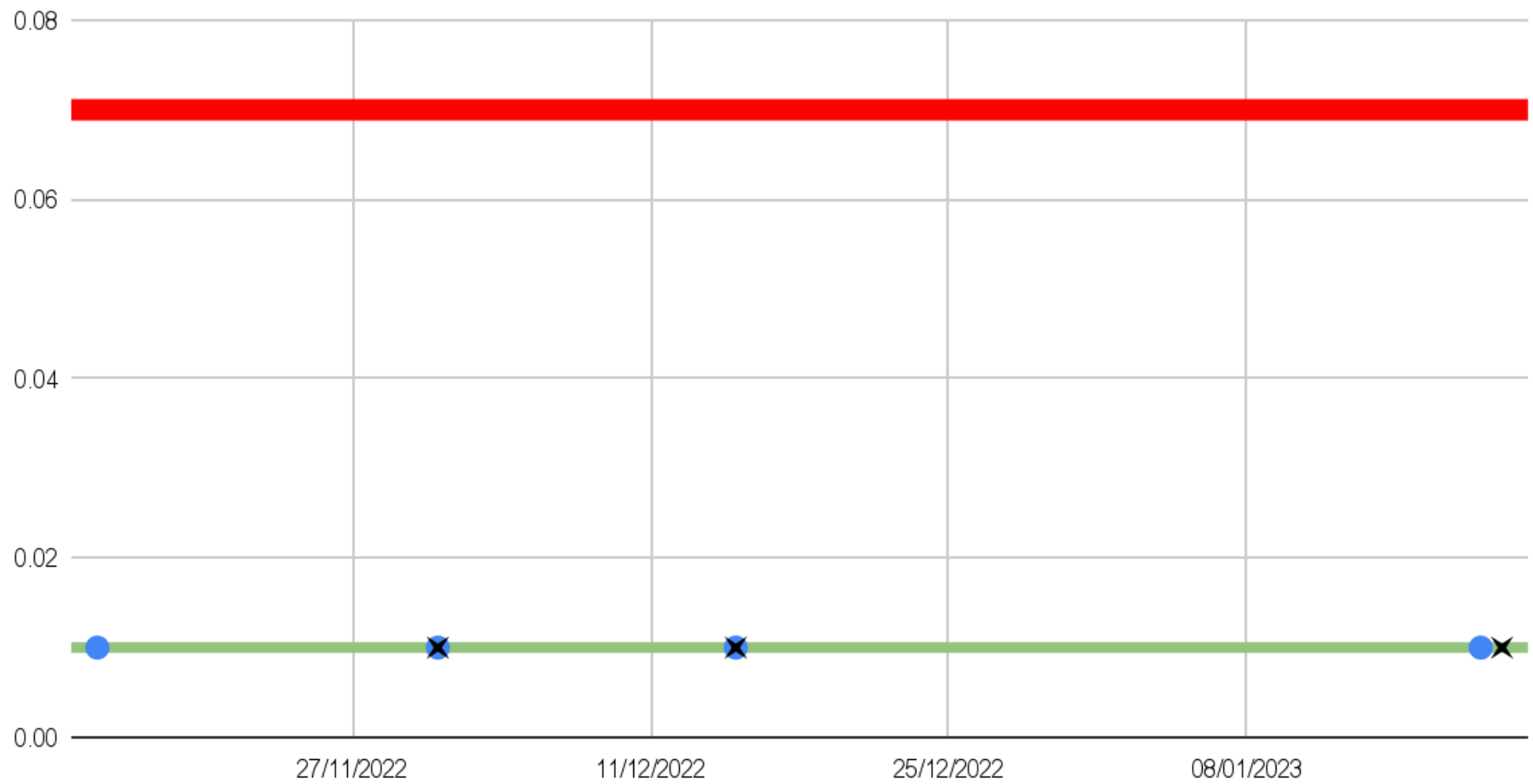


● Huntly Treated Water Tank Legionella spp (CFU/mL) ✕ Huntly Hydrants Legionella spp (CFU/mL) 10 CFU/mL ■ Limit
Non Detect Results ■

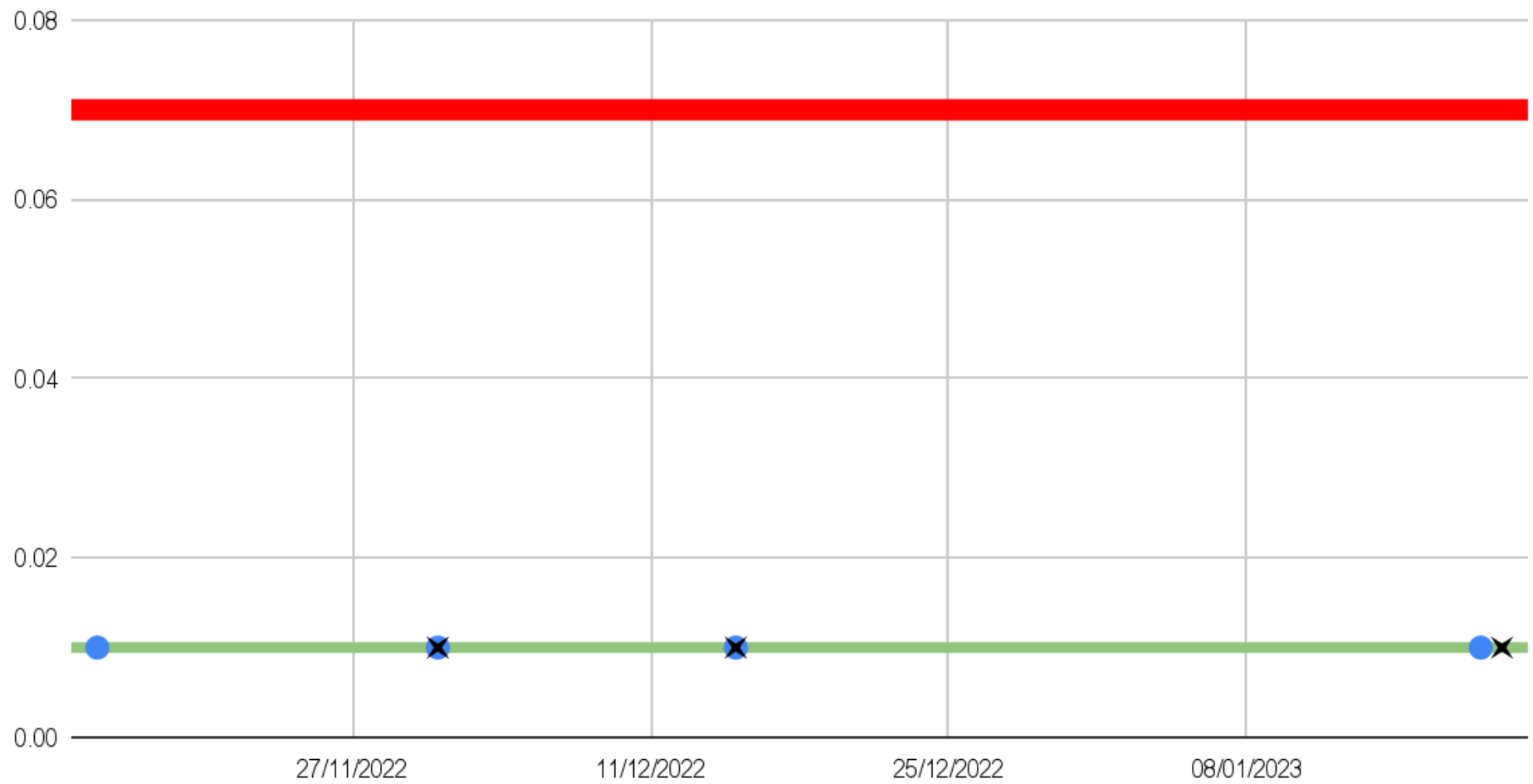


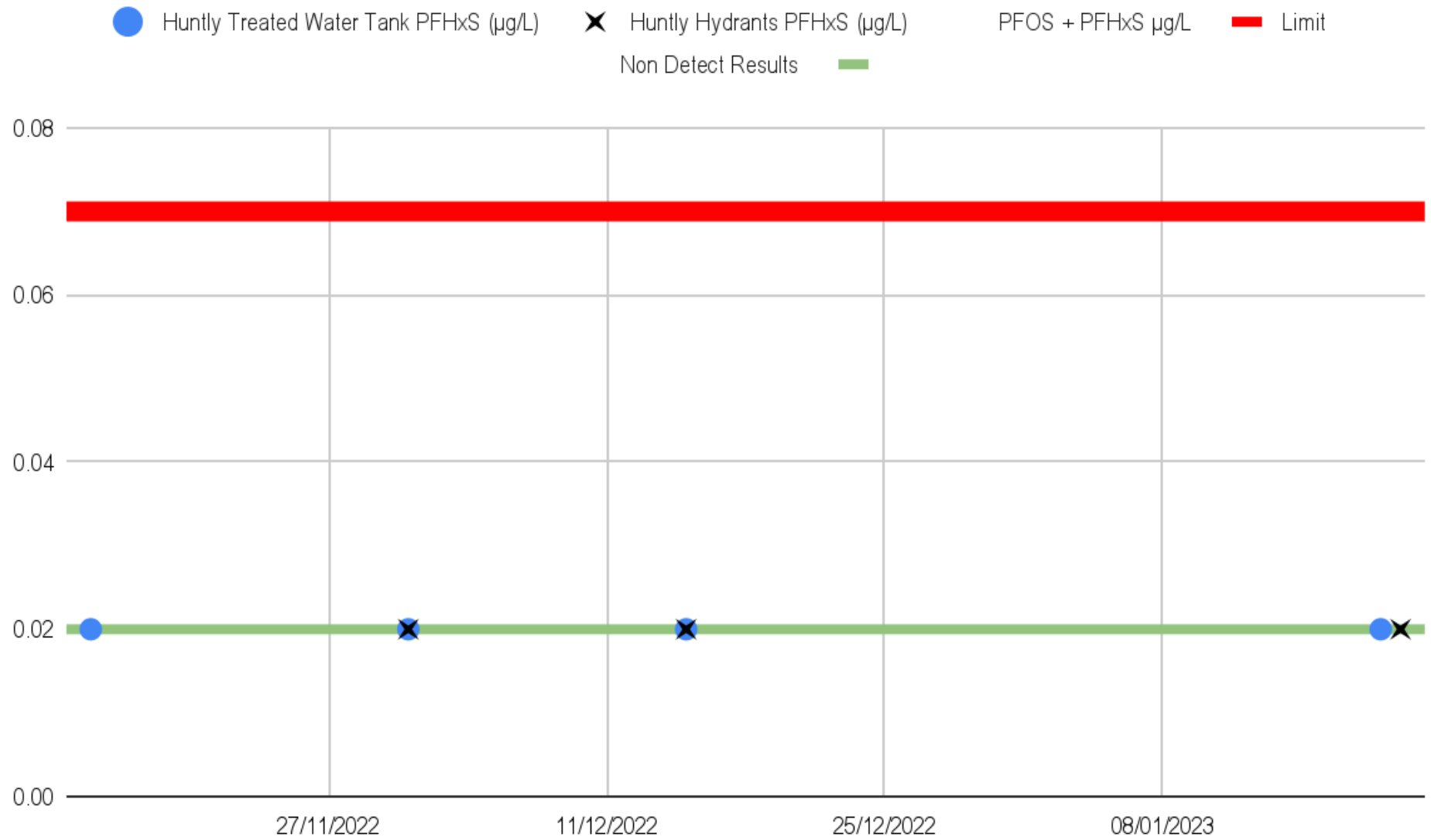


● Huntly Treated Water Tank PFOA ($\mu\text{g/L}$) ✕ Huntly Hydrants PFOA ($\mu\text{g/L}$) PFOA + PFOS 0.07 $\mu\text{g/L}$ — Limit
Non Detect Results —

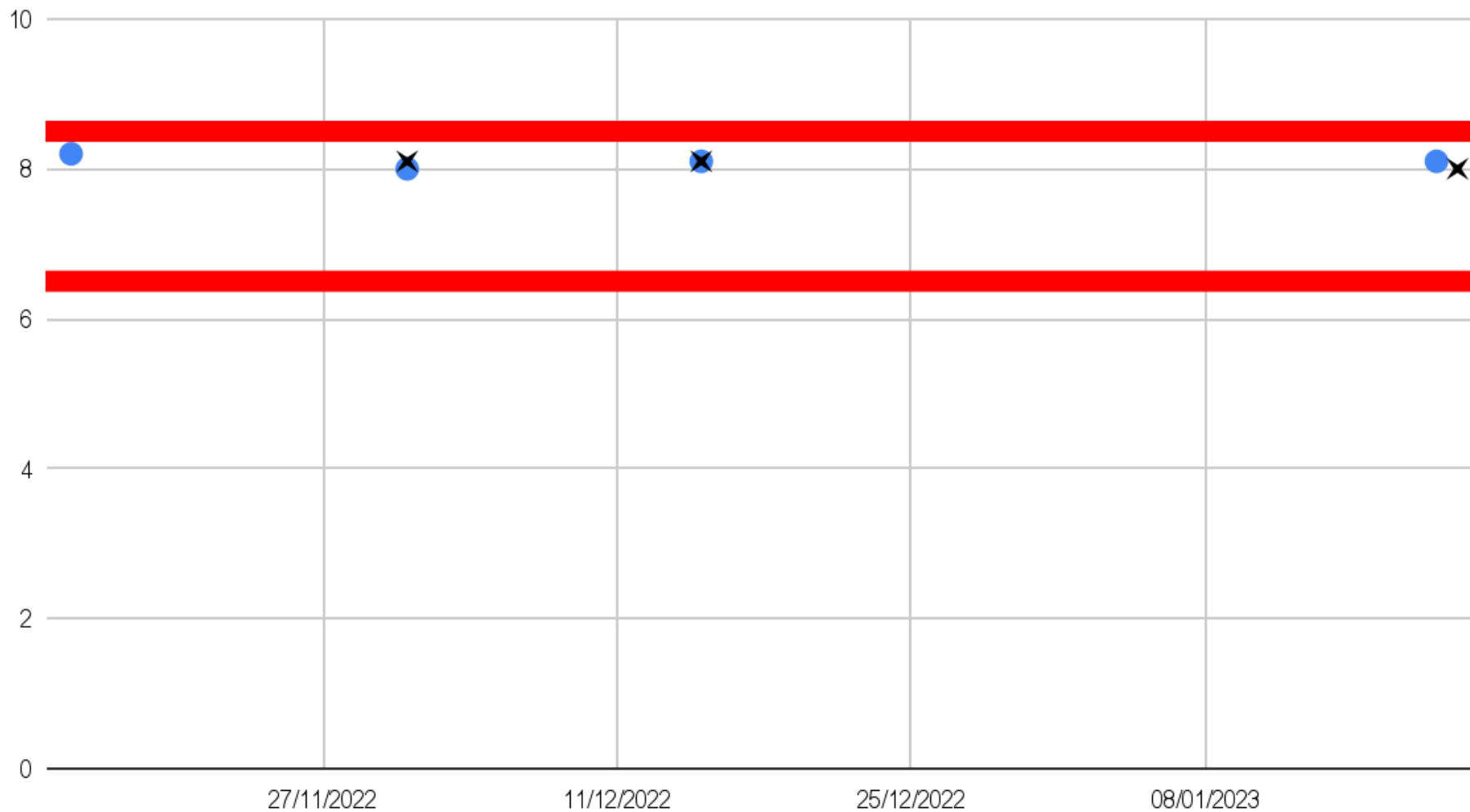


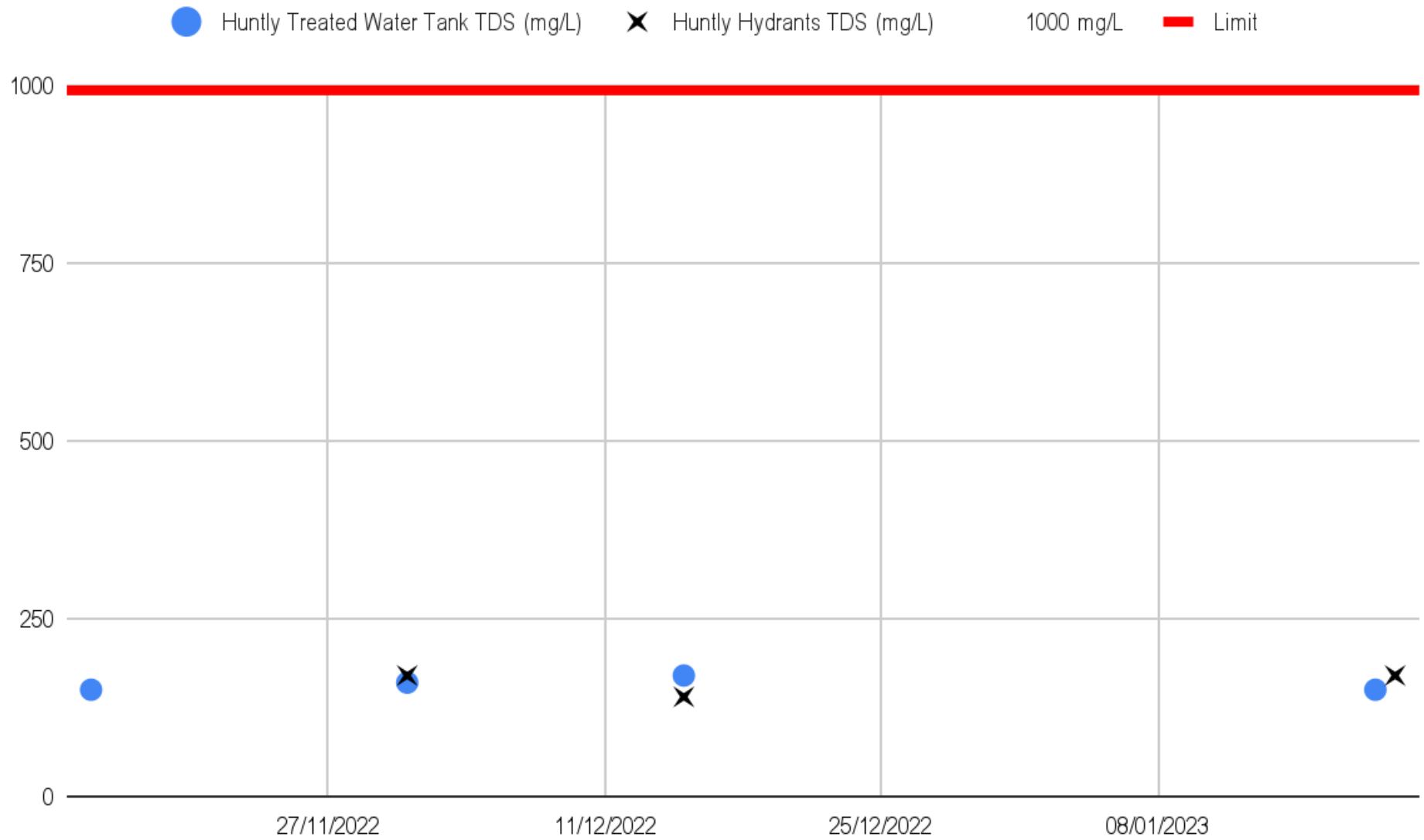
● Huntly Treated Water Tank PFOS ($\mu\text{g/L}$) ✕ Huntly Hydrants PFOS ($\mu\text{g/L}$) PFOA + PFOS 0.07 $\mu\text{g/L}$ — Limit
Non Detect Results —

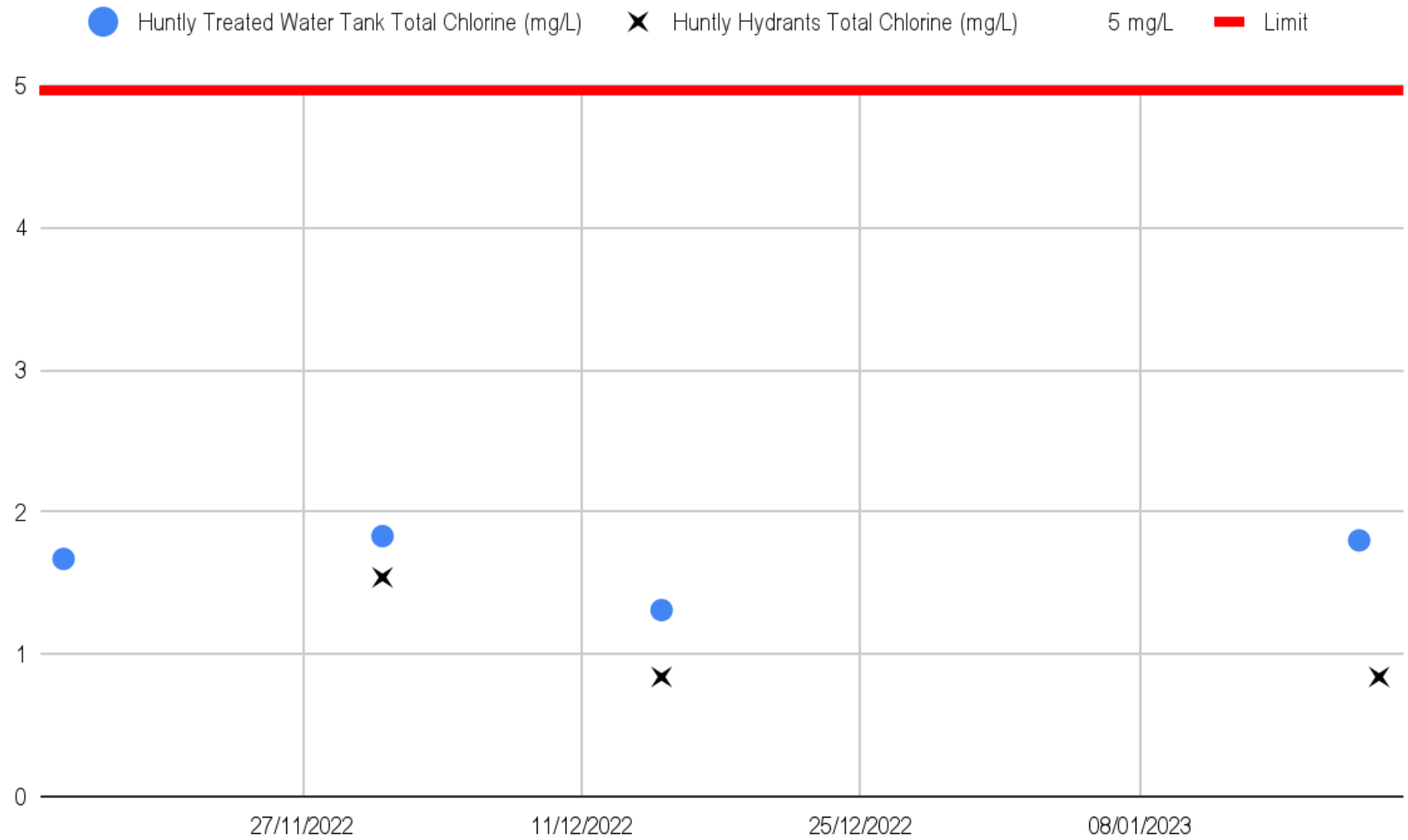




● Huntly Treated Water Tank pH (-) ✕ Huntly Hydrants pH (-) 6.5 Limit 8.5 Limit







● Huntly Treated Water Tank THM (mg/L) ✕ Huntly Hydrants THM (mg/L) 0.25 mg/L — Limit

