

CFA VEMTC WMS

Quarterly Performance Report

Calendar Quarter Four 2024 - 30/09/2024 - 31/12/2024

I. Report Issue Date - 14/01/2025

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
09/10/2024	All results within Specification	All Hydrants within Specification
22/10/2024	All results within Specification	All Hydrants within Specification
06/11/2024	All results within Specification	All Hydrants within Specification
19/11/2024	All results within Specification	All Hydrants within Specification
04/12/2024	All results within Specification	All Hydrants within Specification

WTP1 - Penshurst Results Discussion

Treated water tank outlet and all hydrants within Specification.

WTP2 - Wangaratta Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
08/10/2024	All results within Specification	All Hydrants within Specification
21/10/2024	All results within Specification	All Hydrants within Specification
06/11/2024	All results within Specification	All Hydrants within Specification
20/11/2024	All results within Specification	All Hydrants within Specification
04/12/2024	All results within Specification	All Hydrants within Specification

WTP2 - Wangaratta Results Discussion

Treated water tank outlet and all hydrants within Specification.



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WTP3 - Sunraysia Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
01/10/2024	All results within Specification	All Hydrants within Specification
15/10/2024	All results within Specification	All Hydrants within Specification
29/10/2024	All results within Specification	All Hydrants within Specification
12/11/2024	All results within Specification	All Hydrants within Specification
27/11/2024	All results within Specification	All Hydrants within Specification
10/12/2024	All results within Specification	All Hydrants within Specification

WTP3 - Sunraysia Results Discussion

Treated water tank outlet and all hydrants within Specification.



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WTP4 - West Sale Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
02/10/2024	All results within Specification	All Hydrants within Specification
15/10/2024	All results within Specification	All Hydrants within Specification
29/10/2024	All results within Specification	All Hydrants within Specification
12/11/2024	All results within Specification	All Hydrants within Specification
26/11/2024	All results within Specification	All Hydrants within Specification
10/12/2024	All results within Specification	All Hydrants within Specification

WTP4 - West Sale Results Discussion

Treated water tank outlet and all hydrants within Specification.



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WTP5 - Bangholme Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
03/10/2024	All results within Specification	All Hydrants within Specification
17/10/2024	All results within Specification	All Hydrants within Specification
30/10/2024	All results within Specification	All Hydrants within Specification
15/11/2024	All results within Specification	All Hydrants within Specification
25/11/2024	All results within Specification	All Hydrants within Specification
11/12/2024	All results within Specification	All Hydrants within Specification

WTP5 - Bangholme Results Discussion

Treated water tank outlet and all hydrants within Specification.



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WTP6 - Longerenong Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
08/10/2024	All results within Specification	All hydrants within Specification
23/10/2024	All results within Specification	All hydrants within Specification
07/11/2024	All results within Specification	All hydrants within Specification
20/11/2024	All results within Specification	All hydrants within Specification
03/12/2024	All results within Specification	All hydrants within Specification

WTP6 - Longerenong Results Discussion

Treated water tank outlet and all hydrants within Specification.



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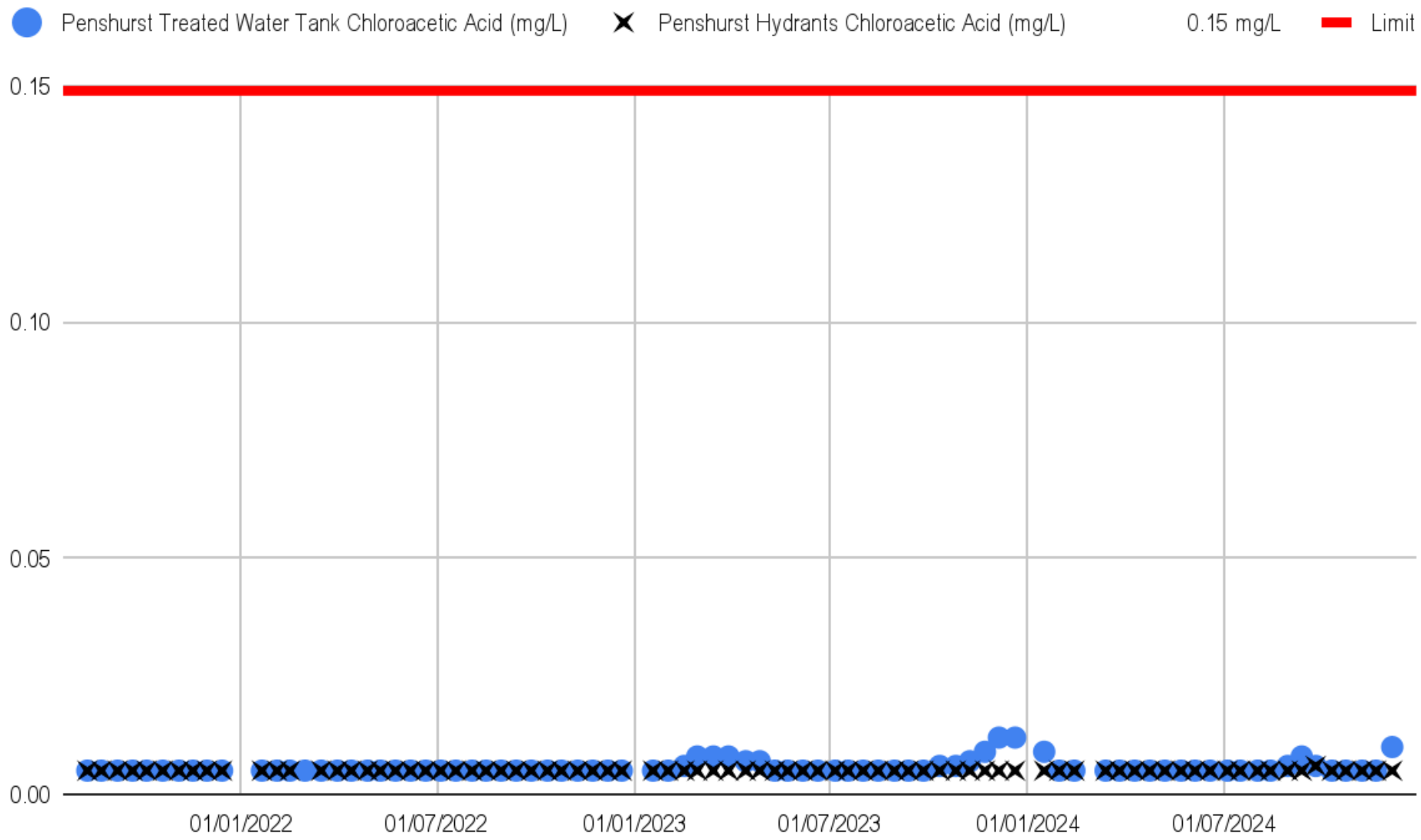
WTP7 - Huntly Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
02/10/2024	All results within Specification	All hydrants within Specification
17/10/2024	All results within Specification	All hydrants within Specification
29/10/2024	All results within Specification	All hydrants within Specification
12/11/2024	All results within Specification	All hydrants within Specification
26/11/2024	All results within Specification	All hydrants within Specification
11/12/2024	All results within Specification	All hydrants within Specification
17/12/2024	All results within Specification	All hydrants within Specification

WTP7 - Huntly Results Discussion

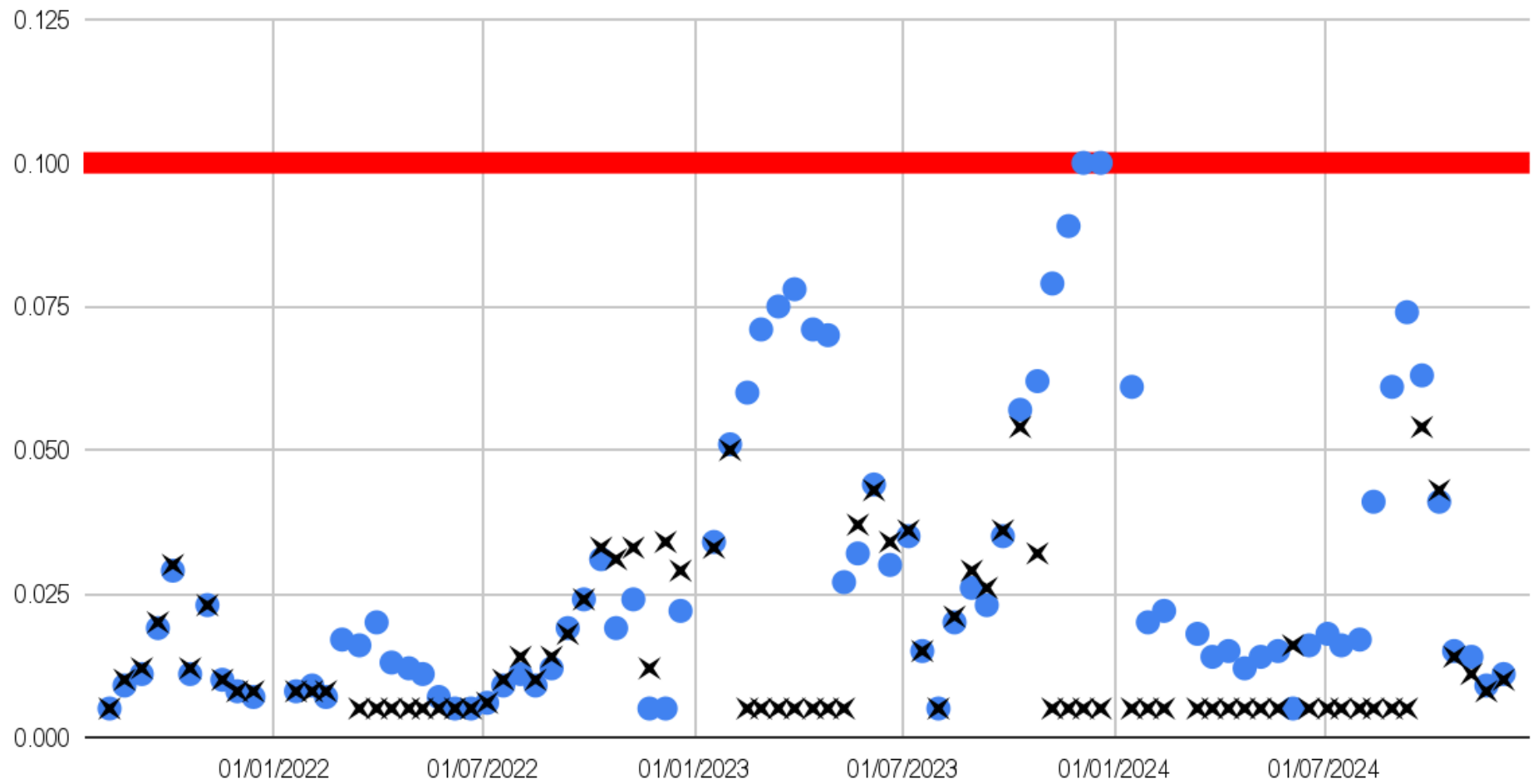
Treated water tank outlet and all hydrants within Specification.

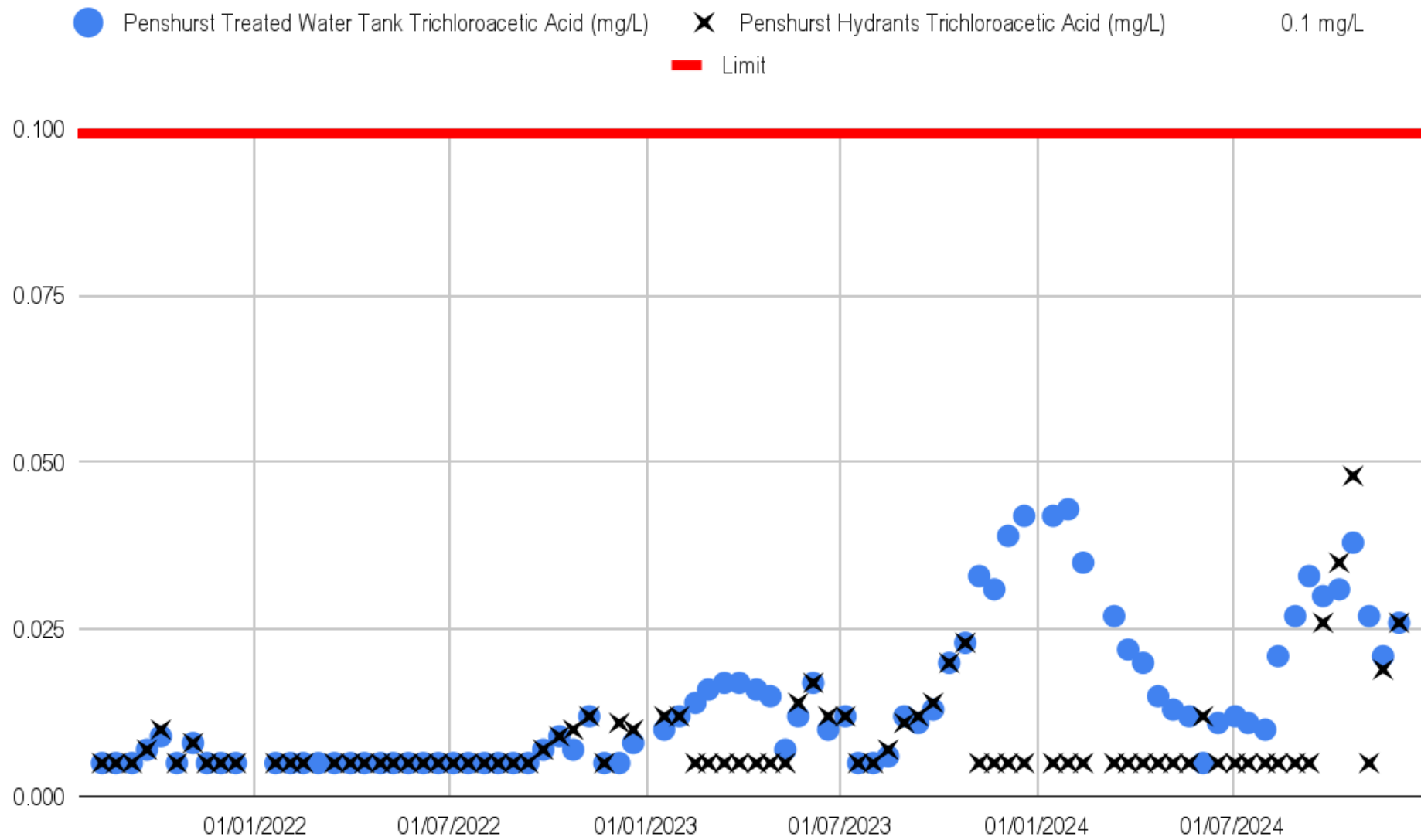
Water Quality Charts

External Laboratory Results

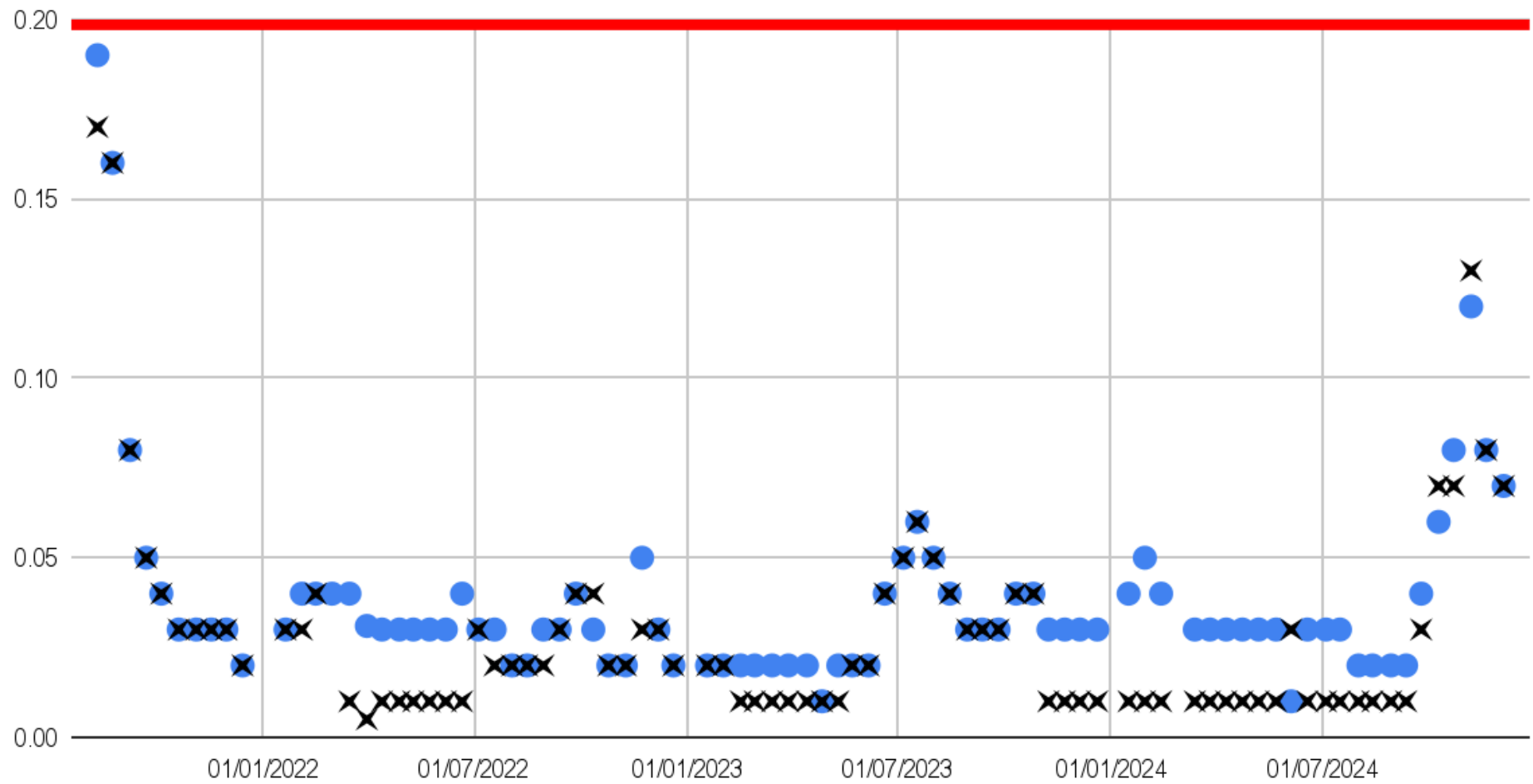


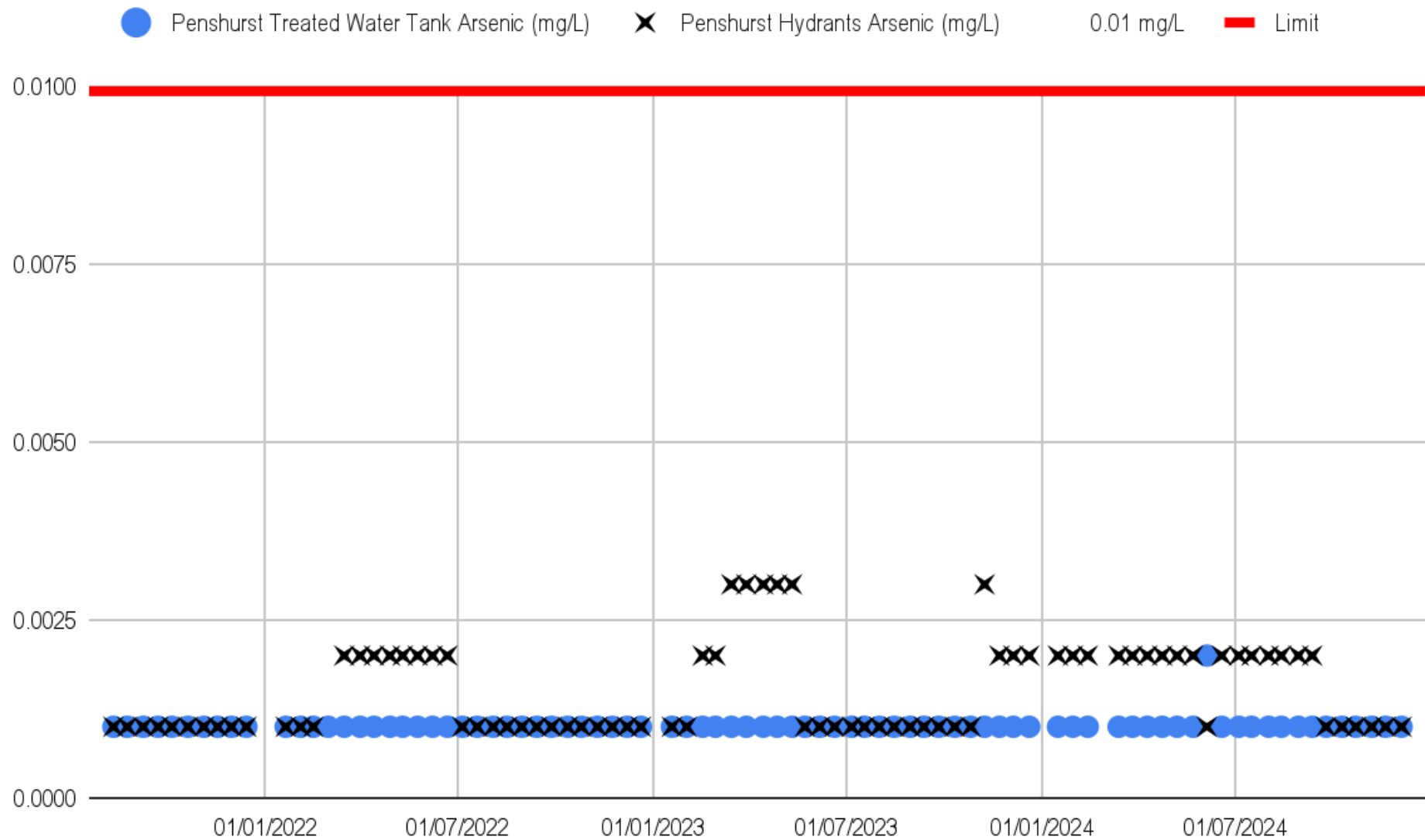
● Penshurst Treated Water Tank Dichloroacetic Acid (mg/L) ✕ Penshurst Hydrants Dichloroacetic Acid (mg/L) 0.1 mg/L
— Limit



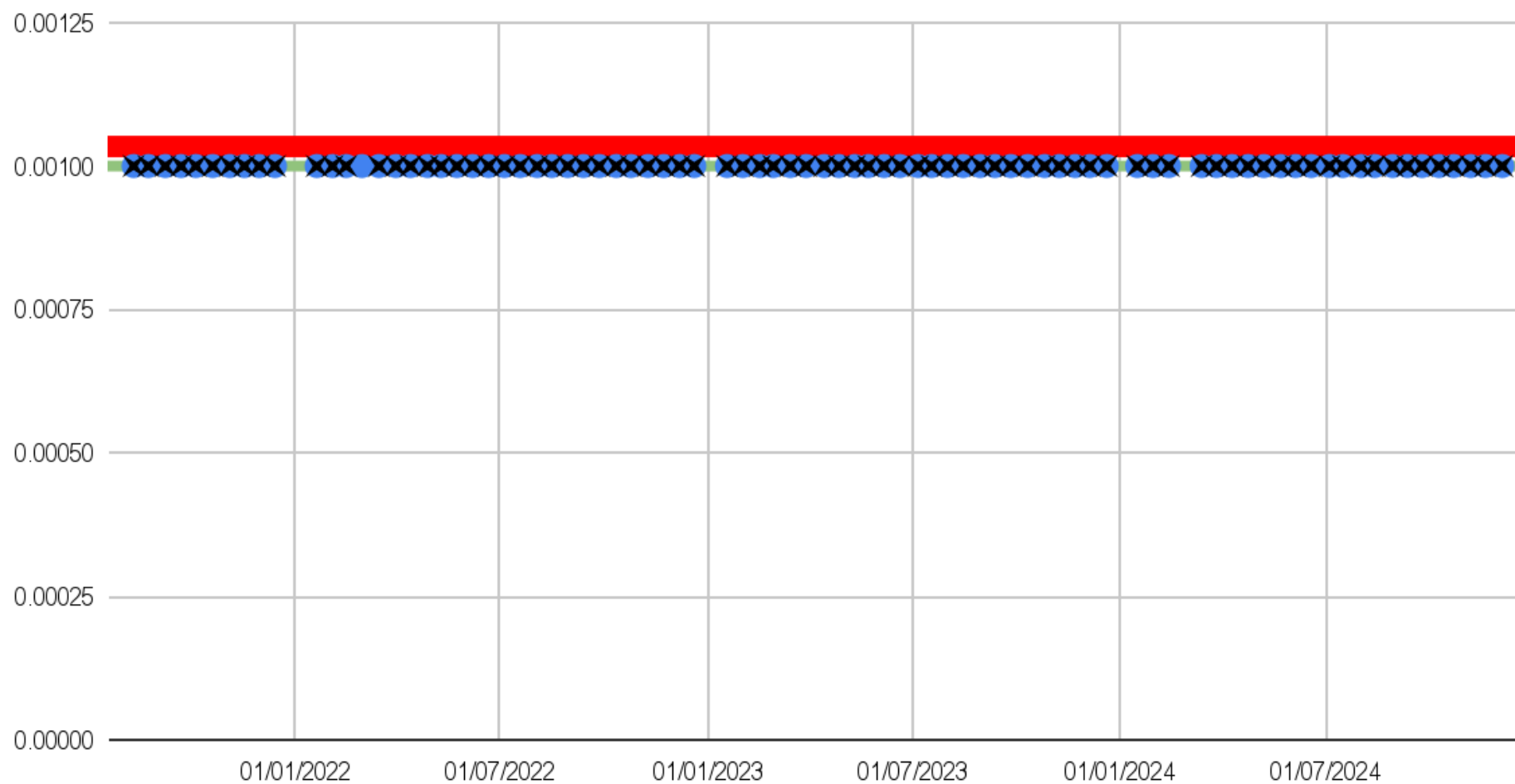


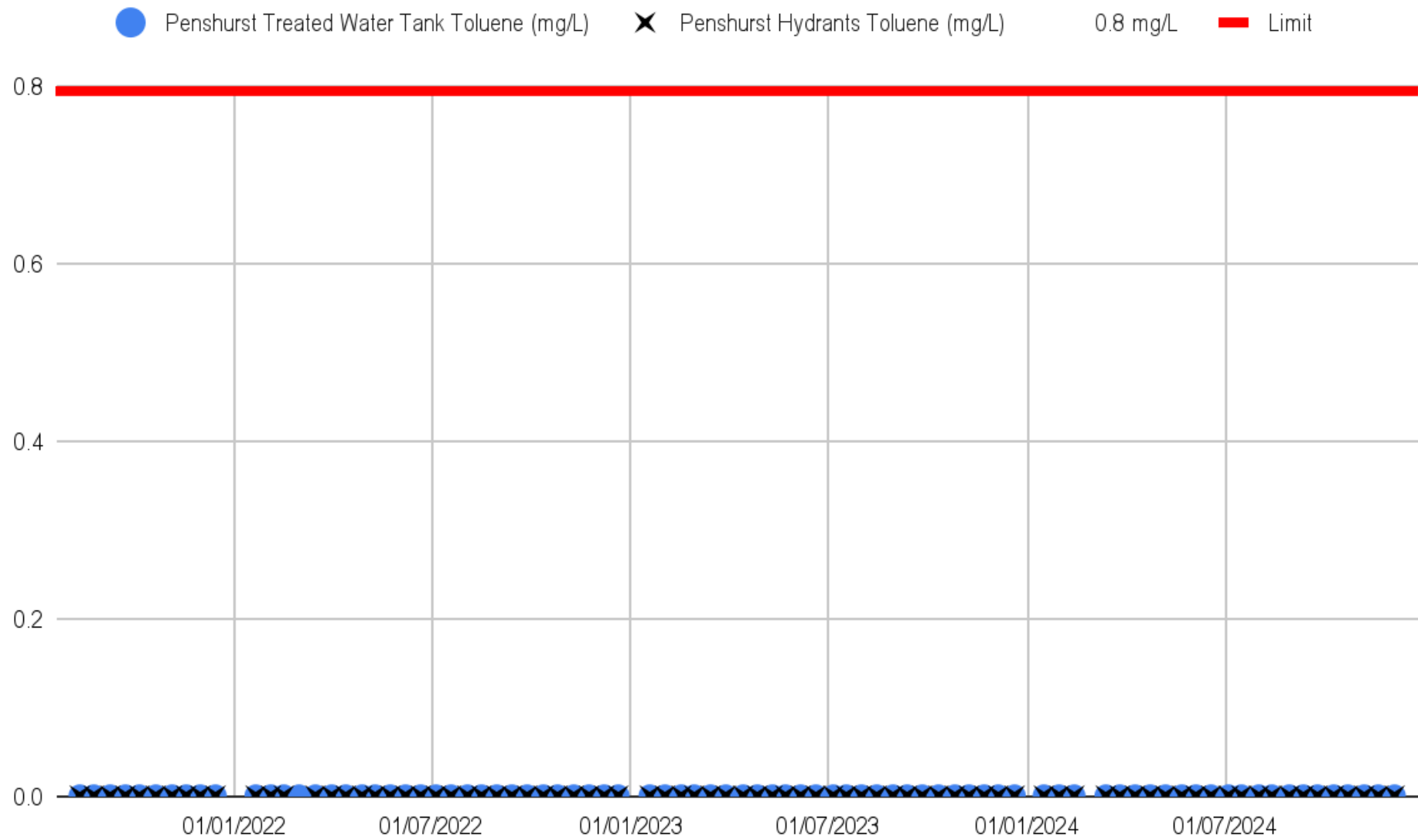
● Penshurst Treated Water Tank Acid Soluble Aluminium (mg/L) ✕ Penshurst Hydrants Acid Soluble Aluminium (mg/L) 0.2 mg/L
— Limit

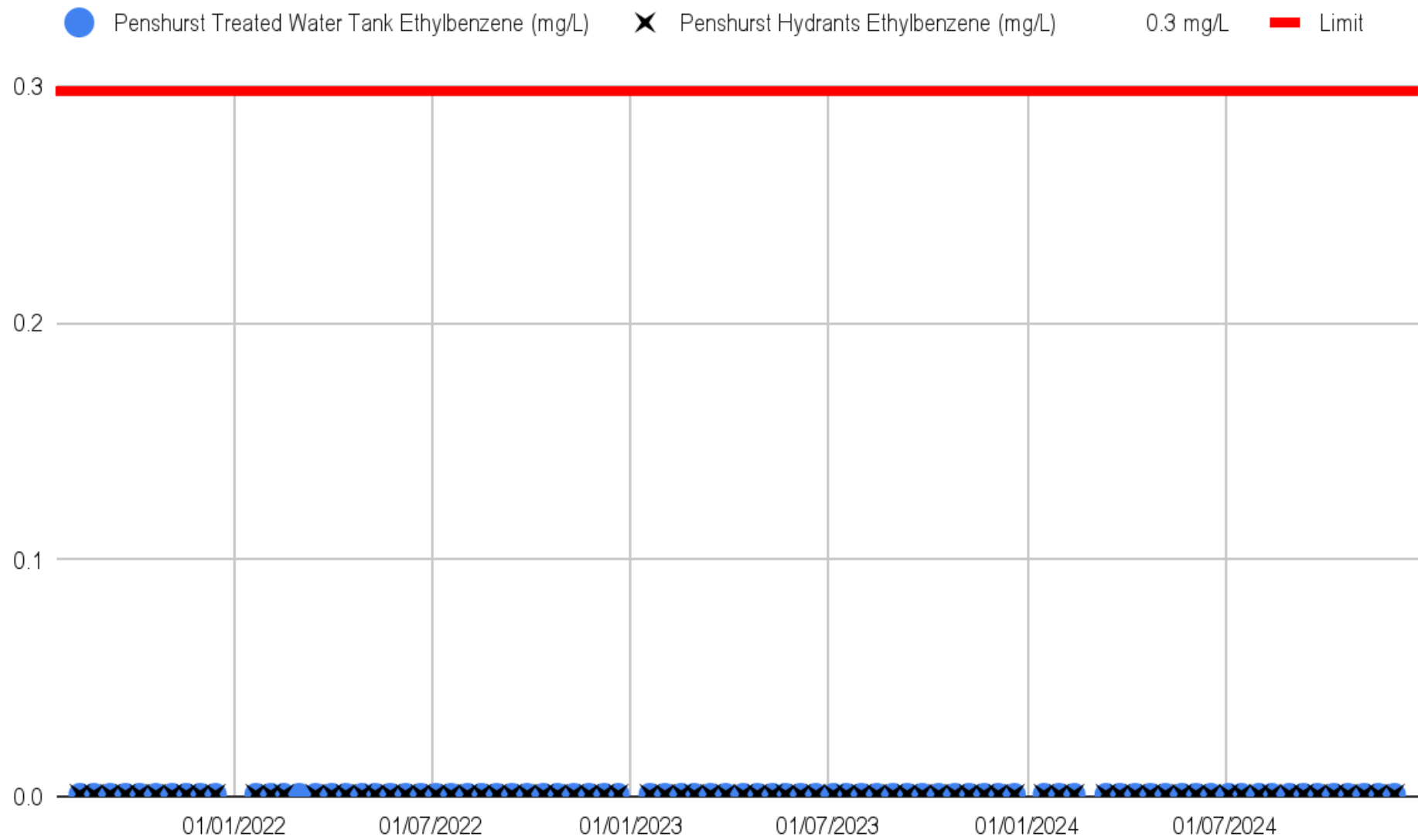


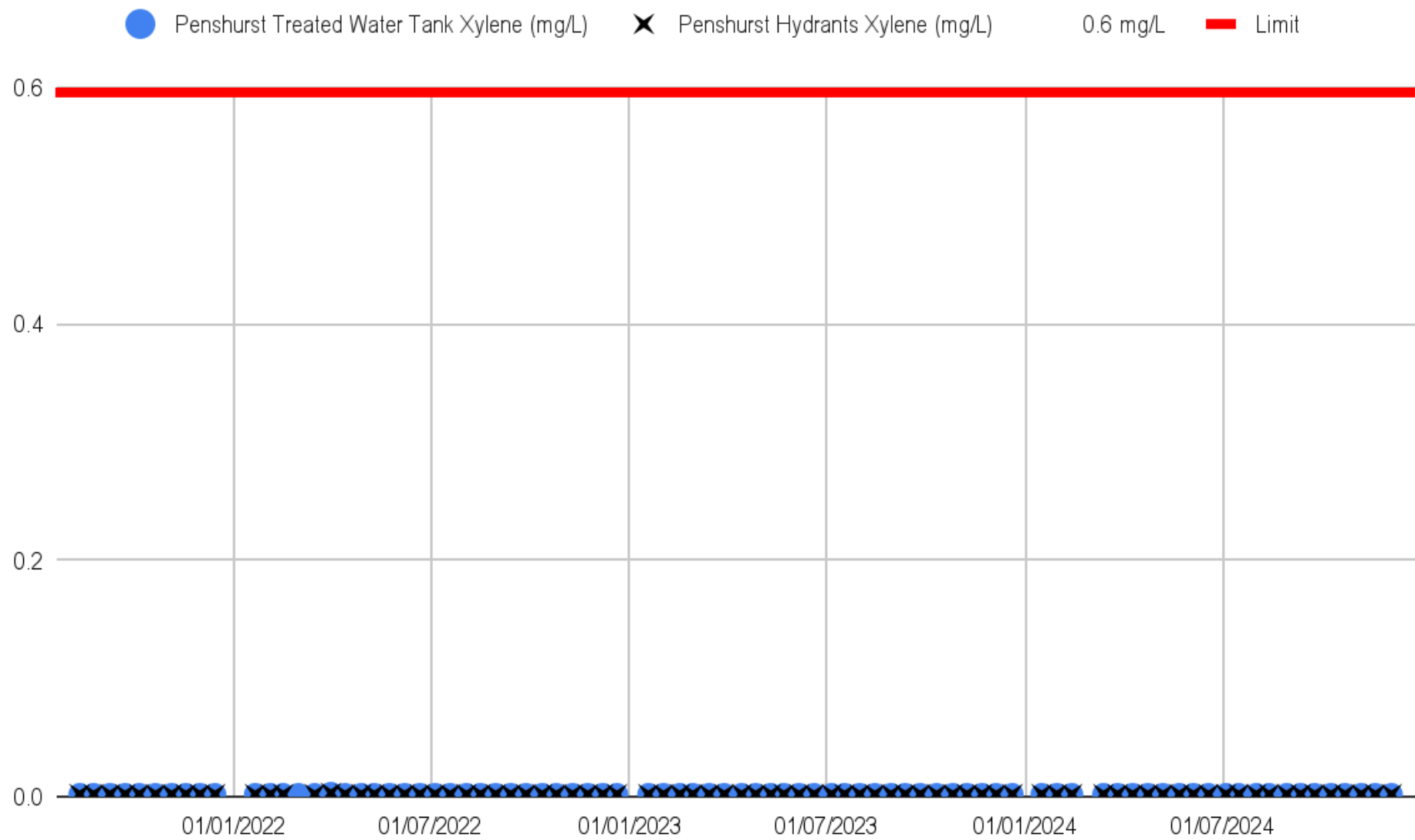


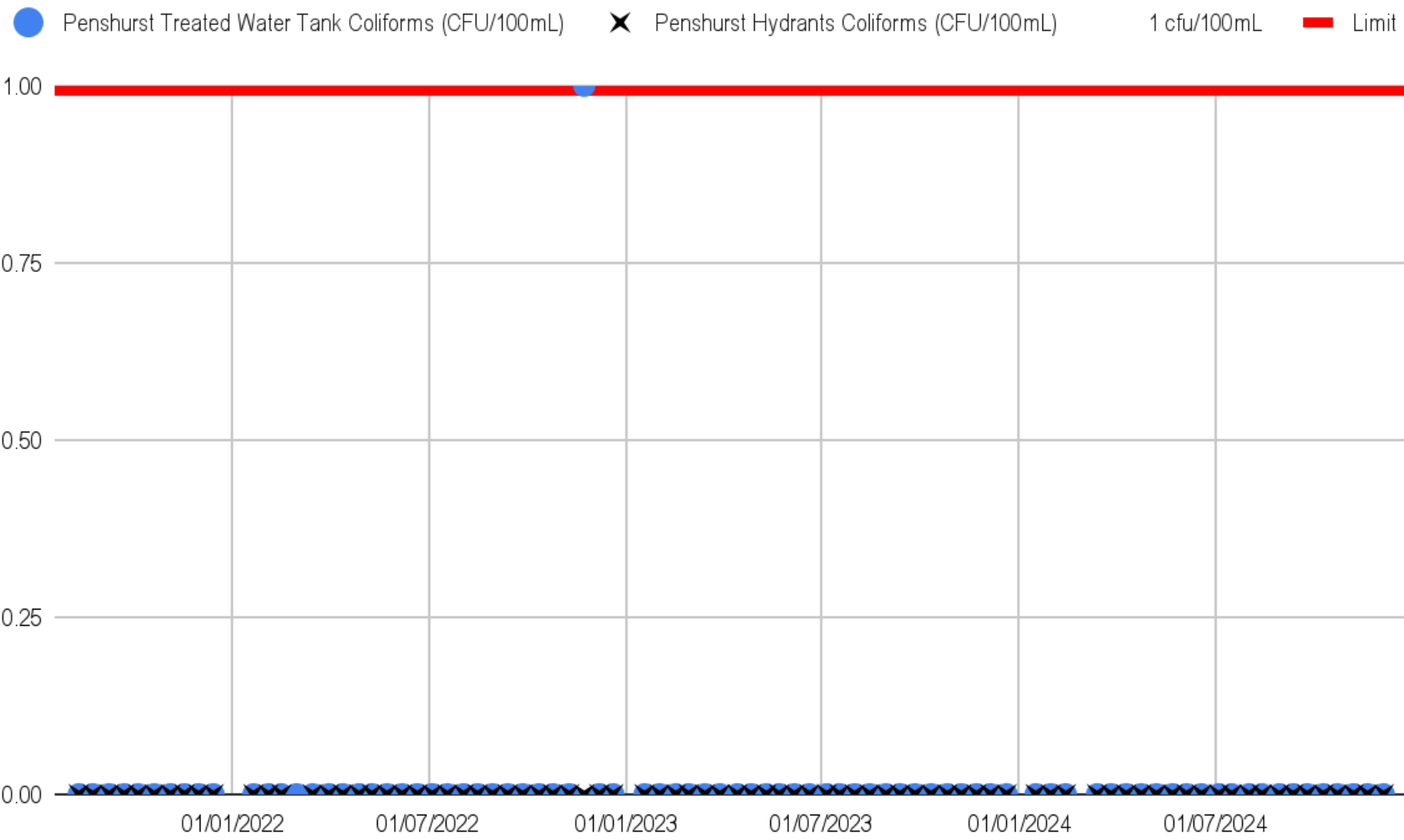
● Penshurst Treated Water Tank Benzene (mg/L) ✕ Penshurst Hydrants Benzene (mg/L) 0.001 mg/L ■ Limit
Non Detect Results ■



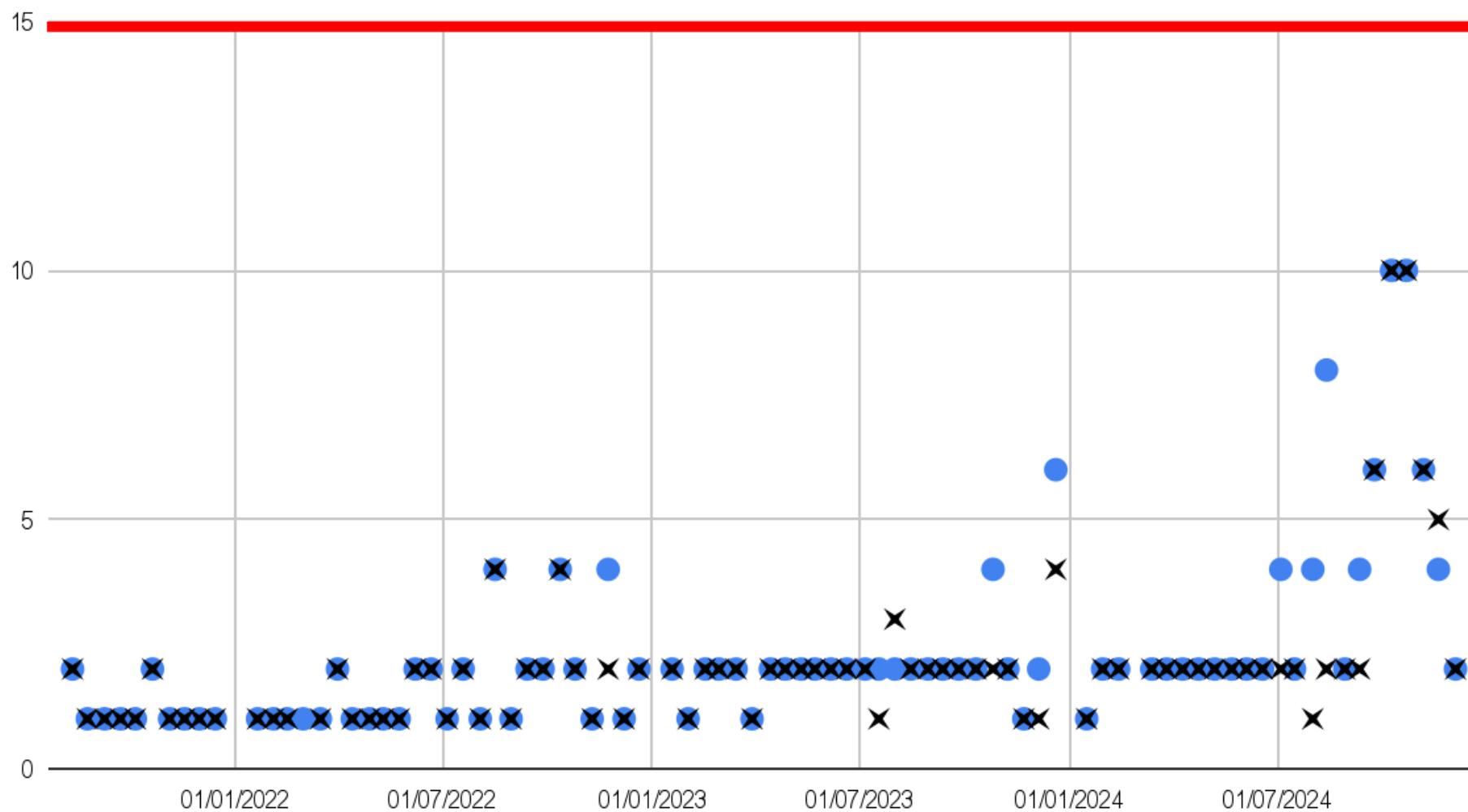


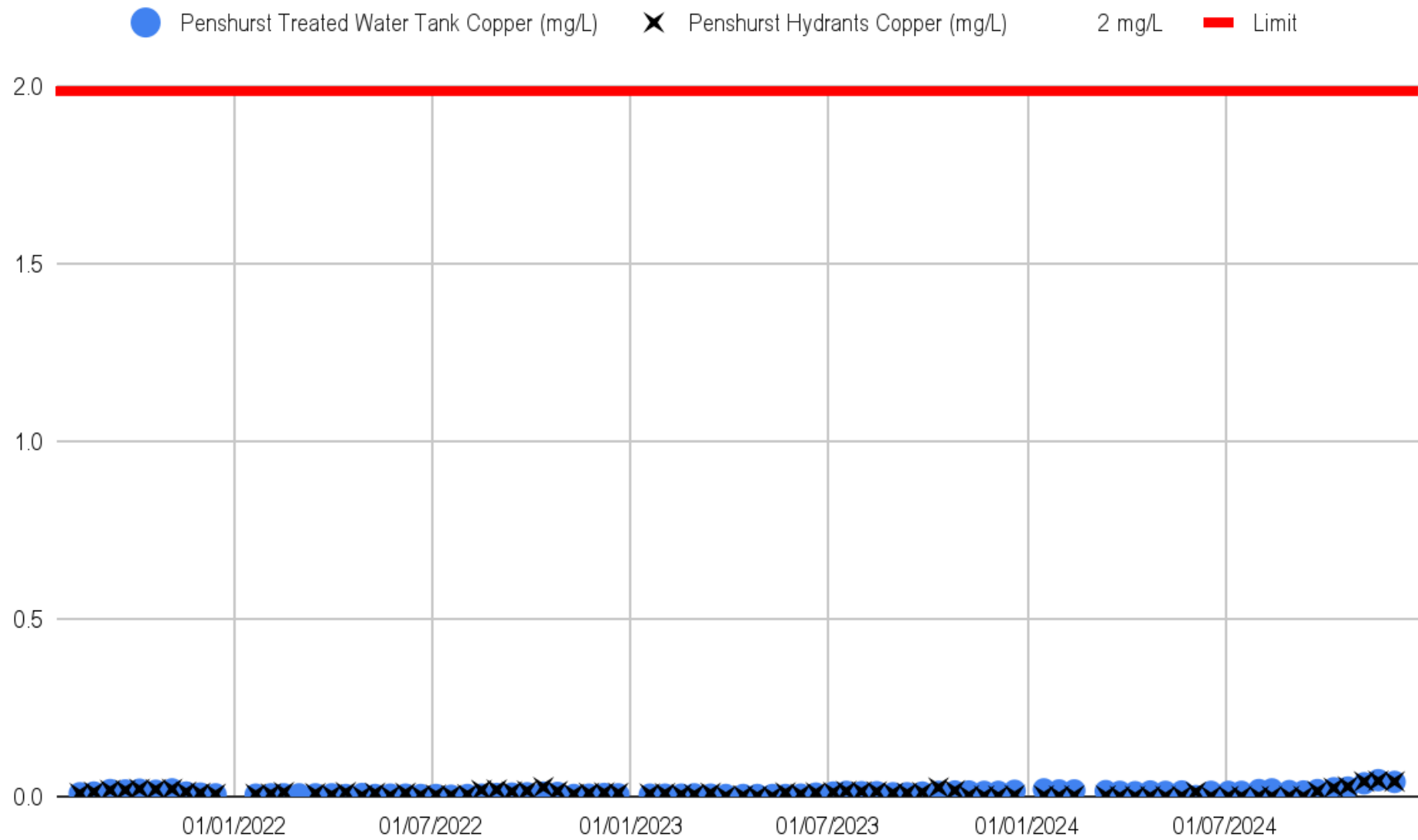


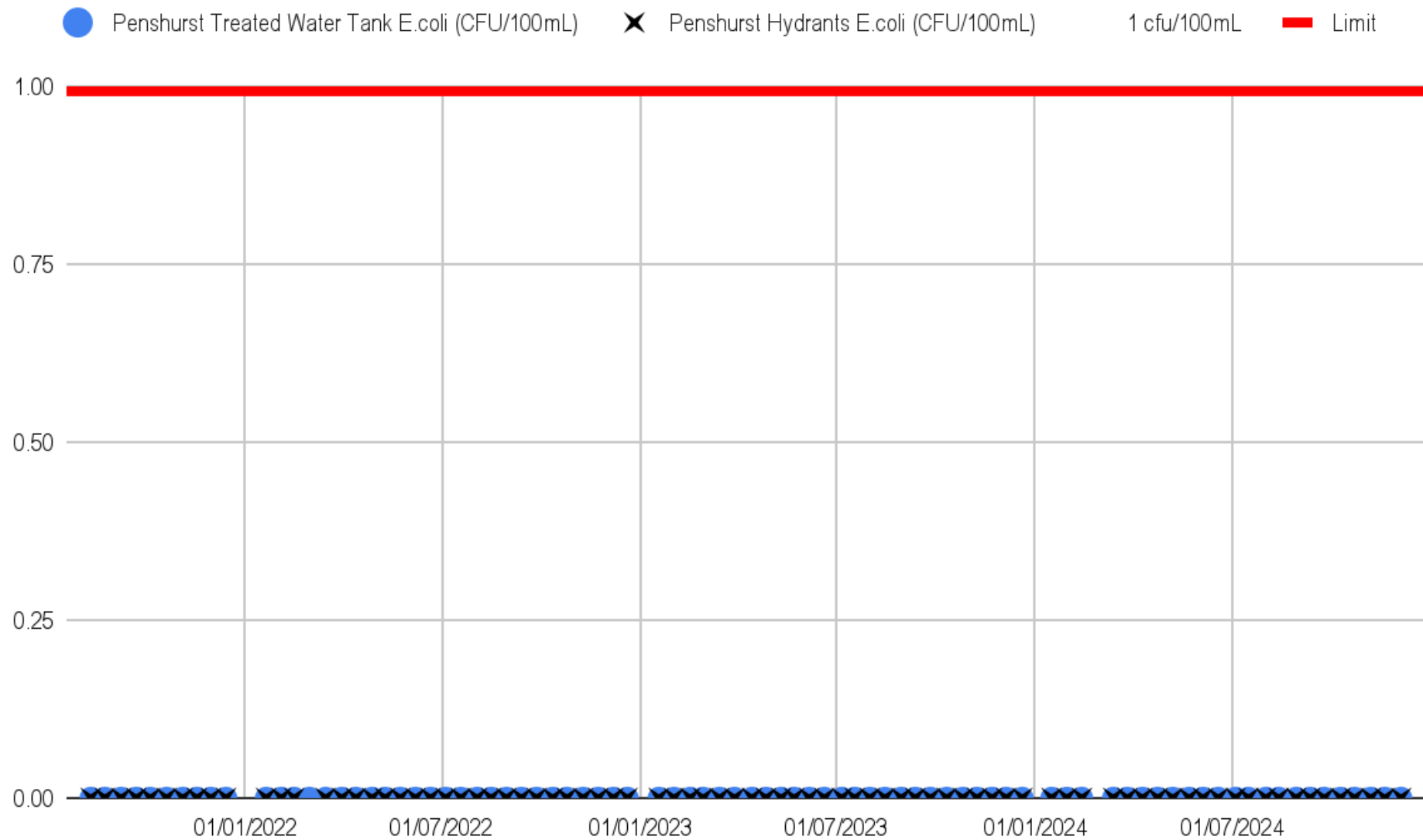


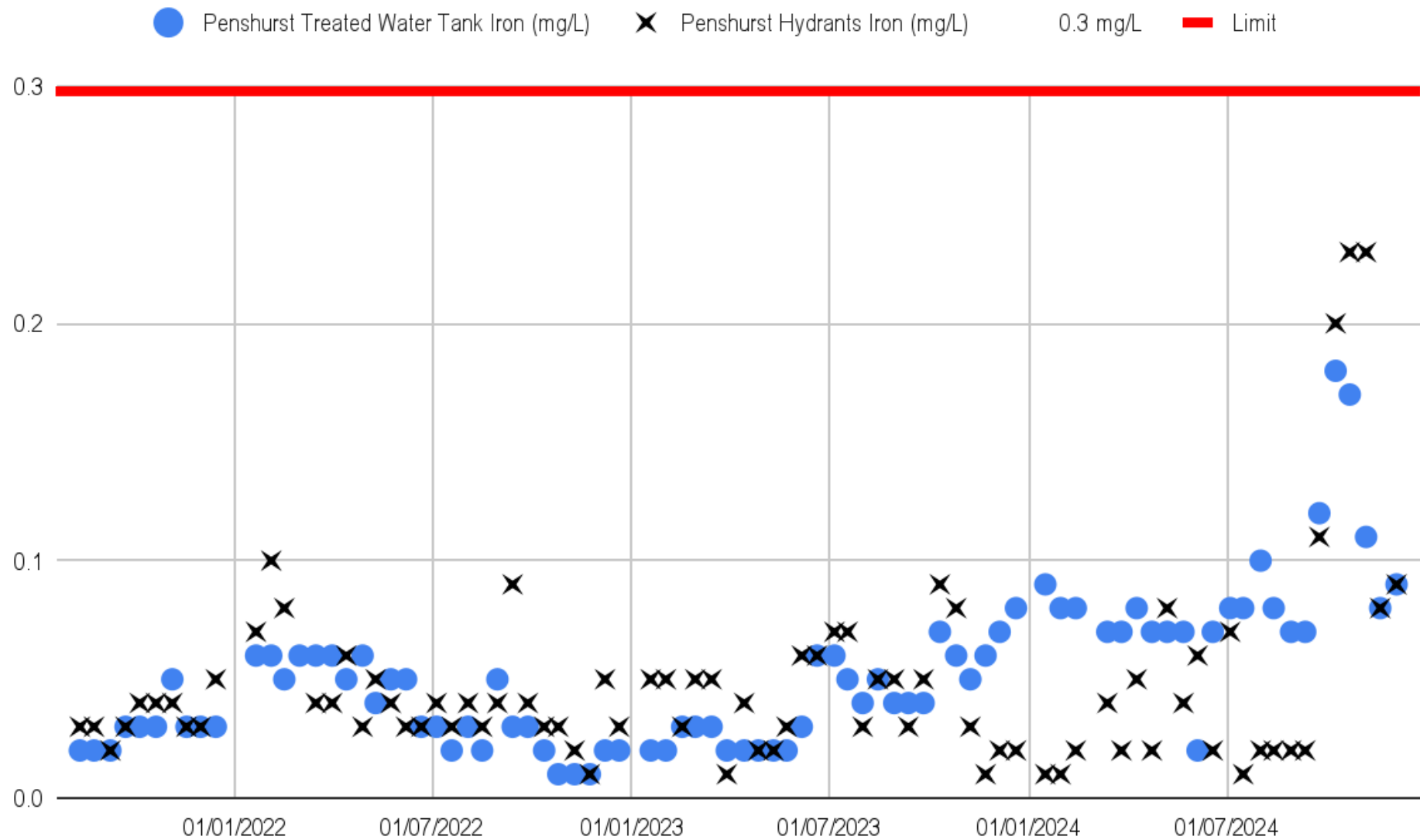


● Penshurst Treated Water Tank Colour (Pt/Co) ✕ Penshurst Hydrants Colour (Pt/Co) 15 Pt/Co — Limit

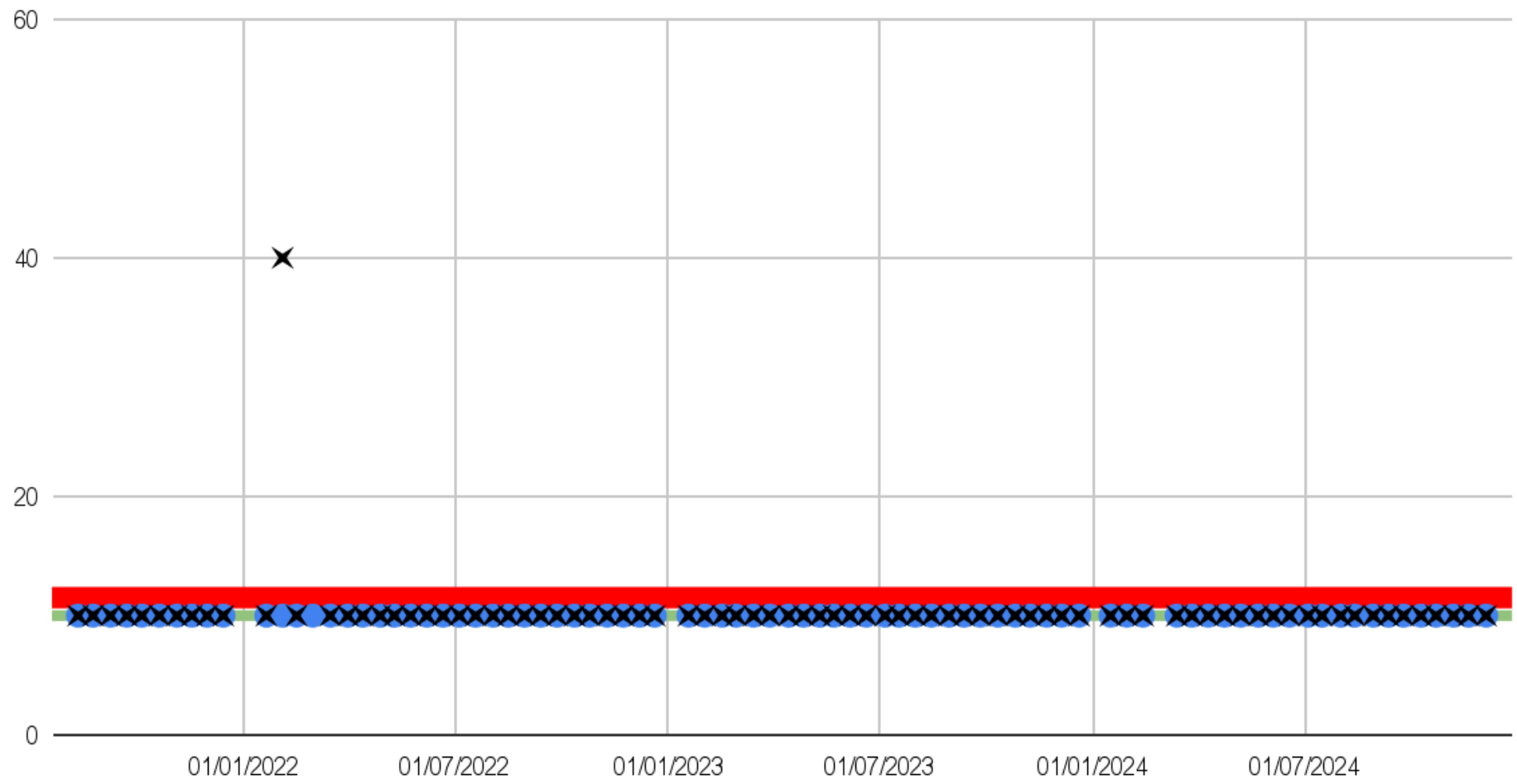


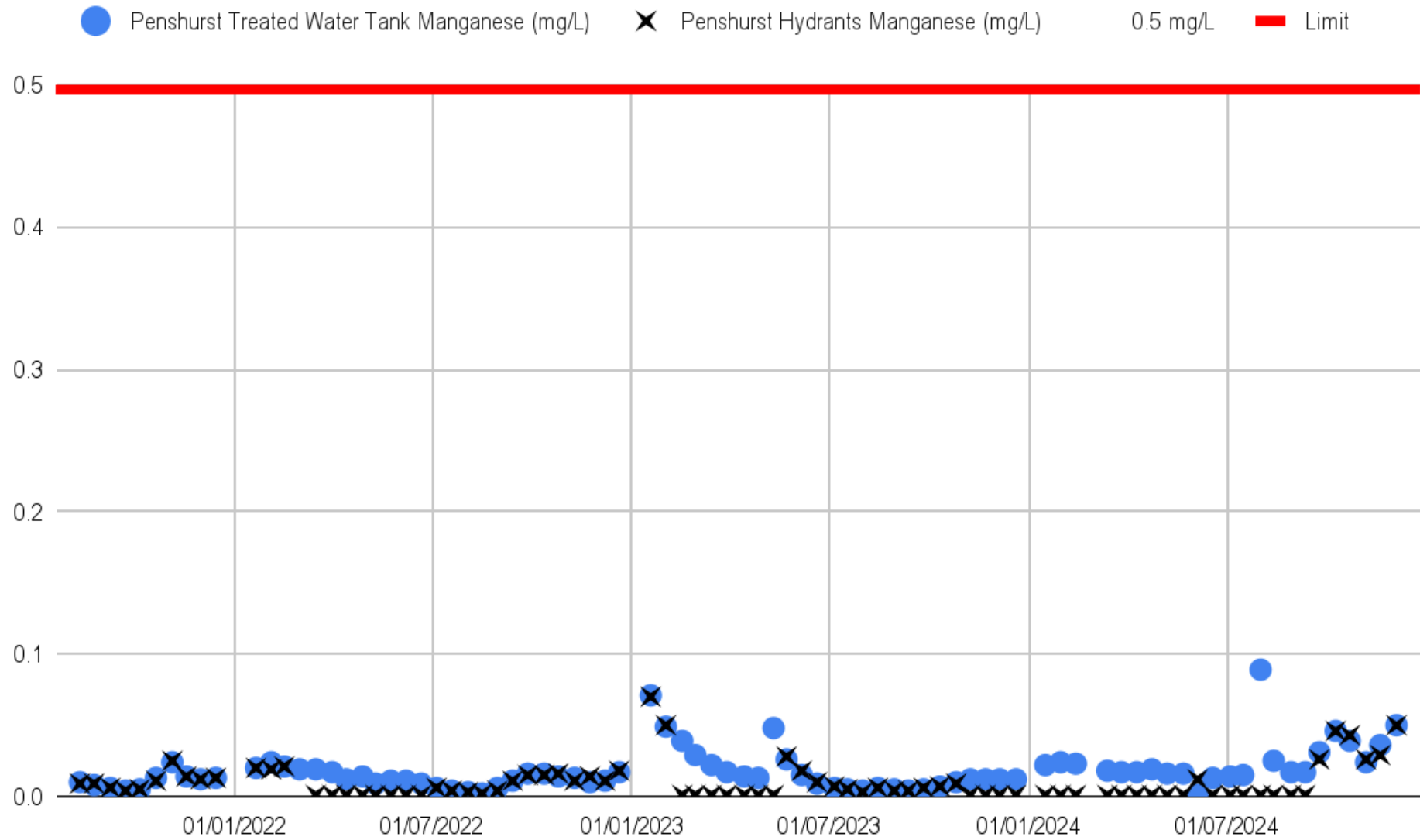






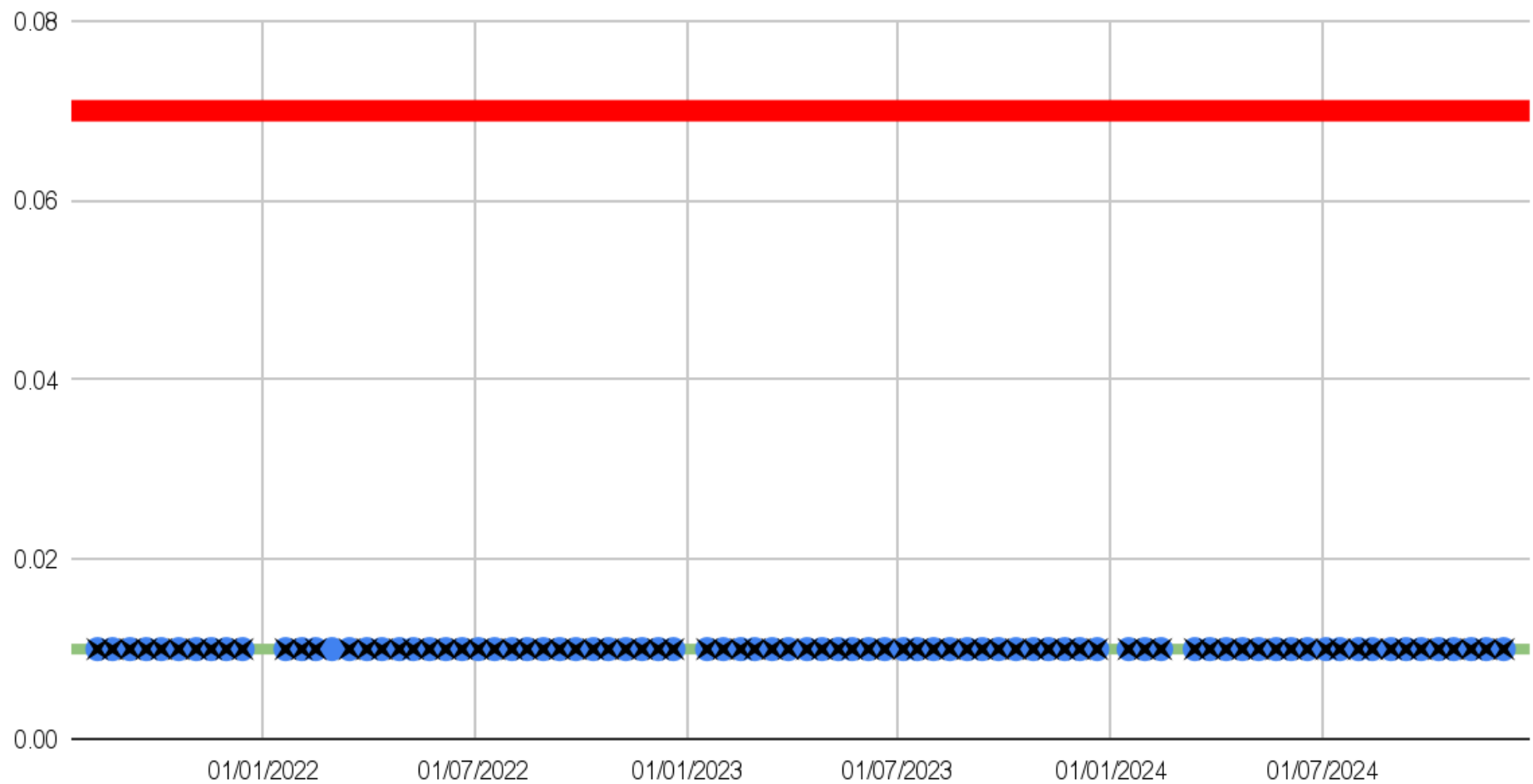
● Penshurst Treated Water Tank Total Legionella (CFU/mL) ✕ Penshurst Hydrants Total Legionella (CFU/mL) 10 cfu/mL ■ Limit
Non Detect Results ■

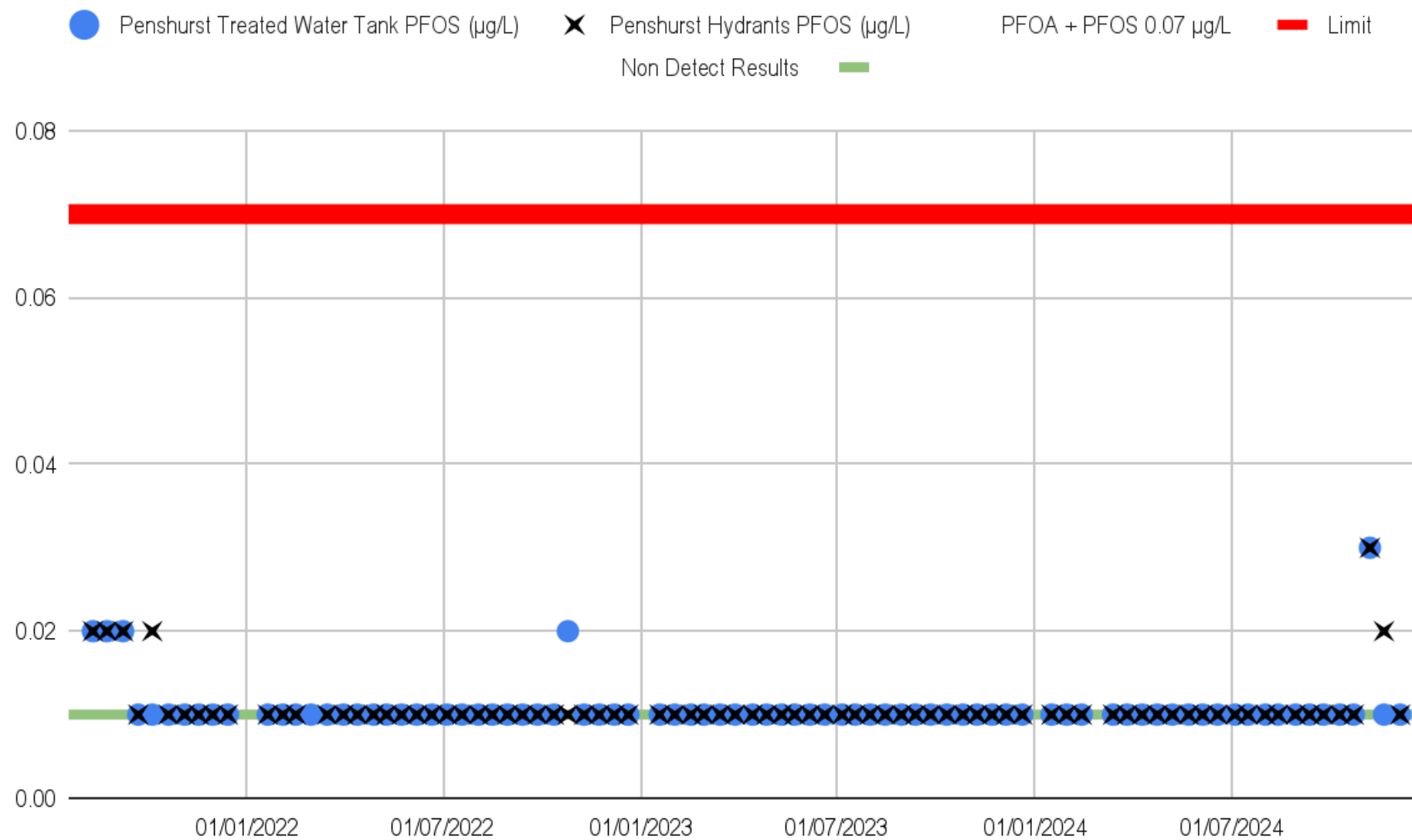




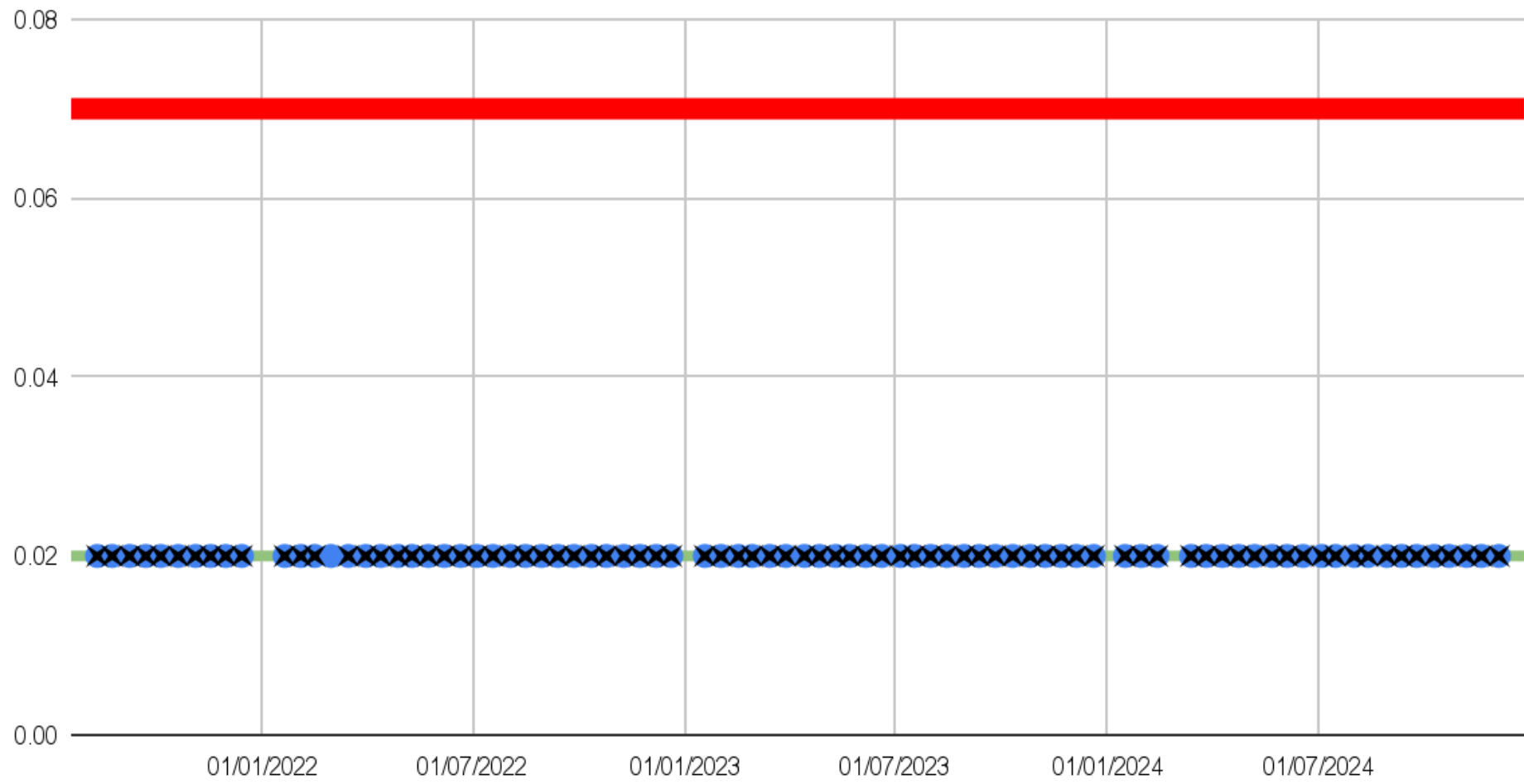
● Penshurst Treated Water Tank PFOA (µg/L) ✕ Penshurst Hydrants PFOA (µg/L) PFOA + PFOS 0.07 µg/L ■ Limit

Non Detect Results ■

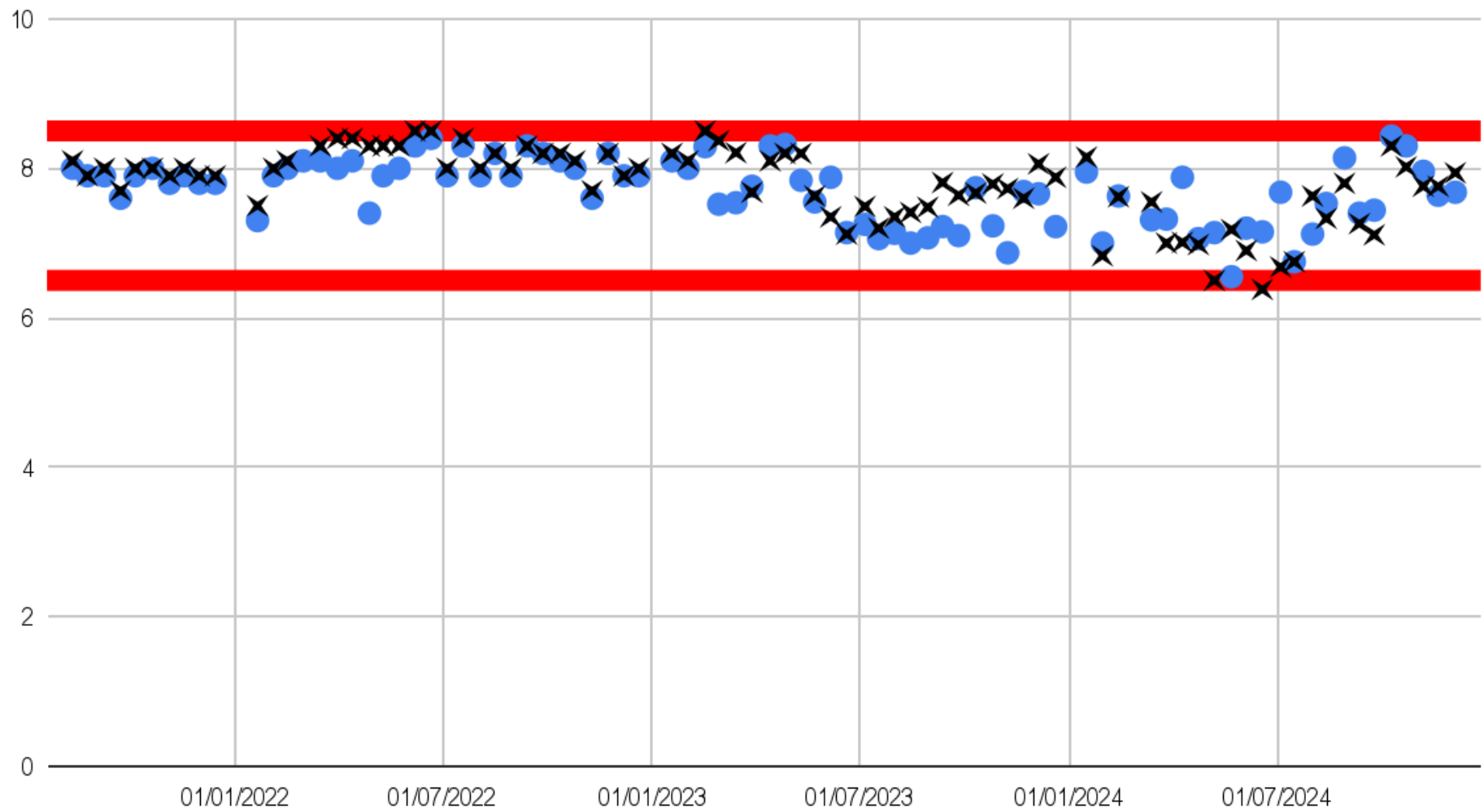


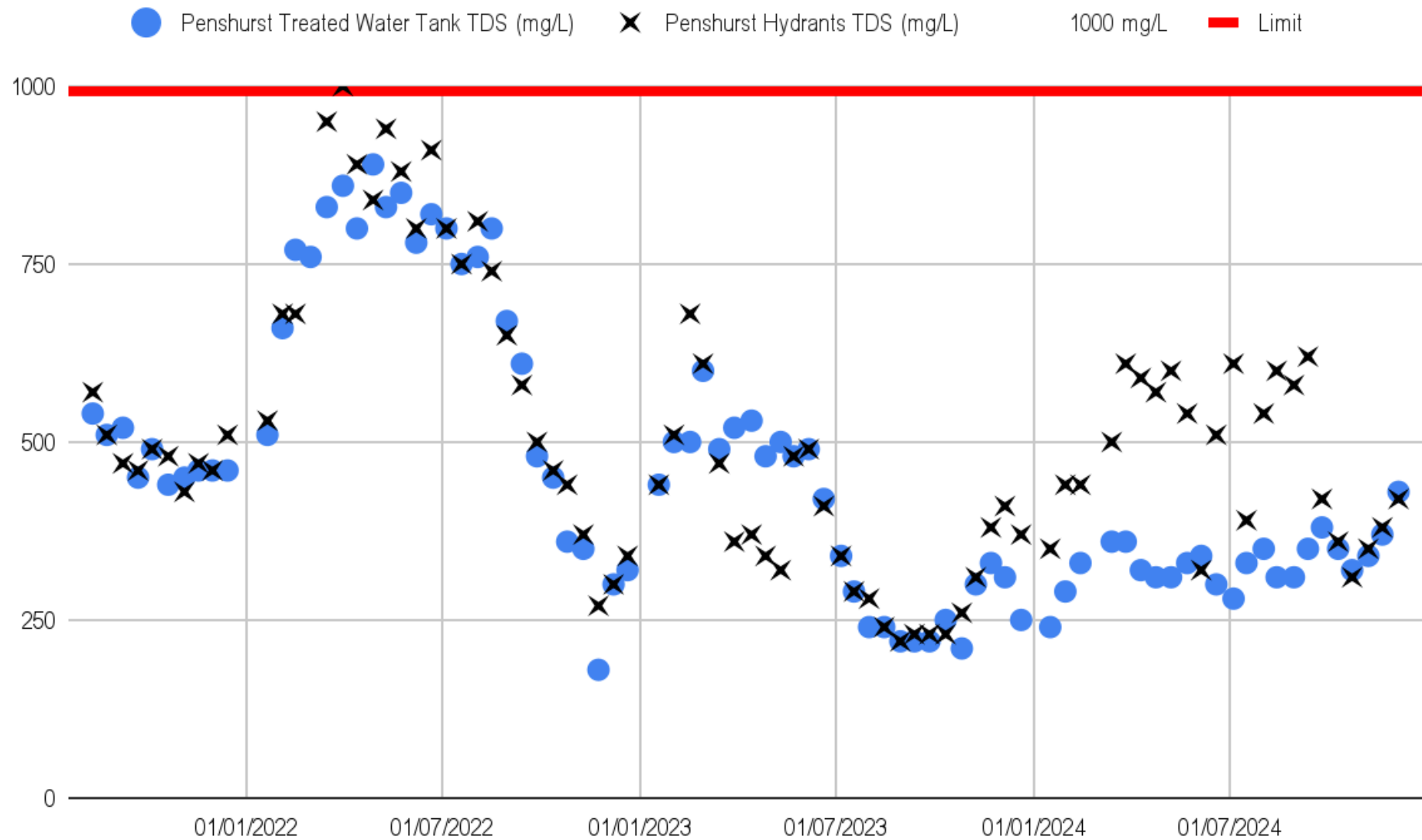


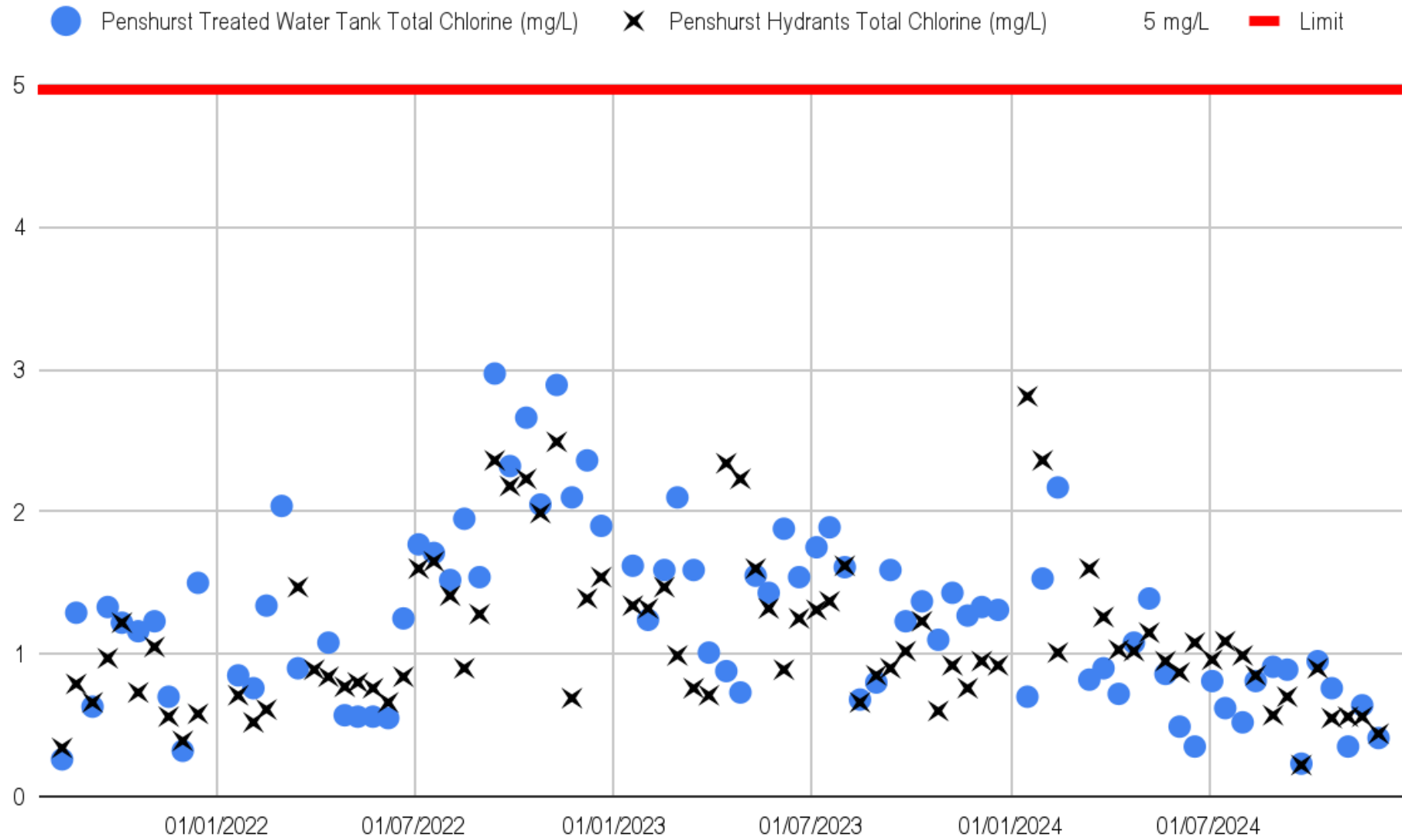
● Penshurst Treated Water Tank PFHxS (µg/L) ✕ Penshurst Hydrants PFHxS (µg/L) PFOS + PFHxS 0.07 µg/L ■ Limit
Non Detect Results ■

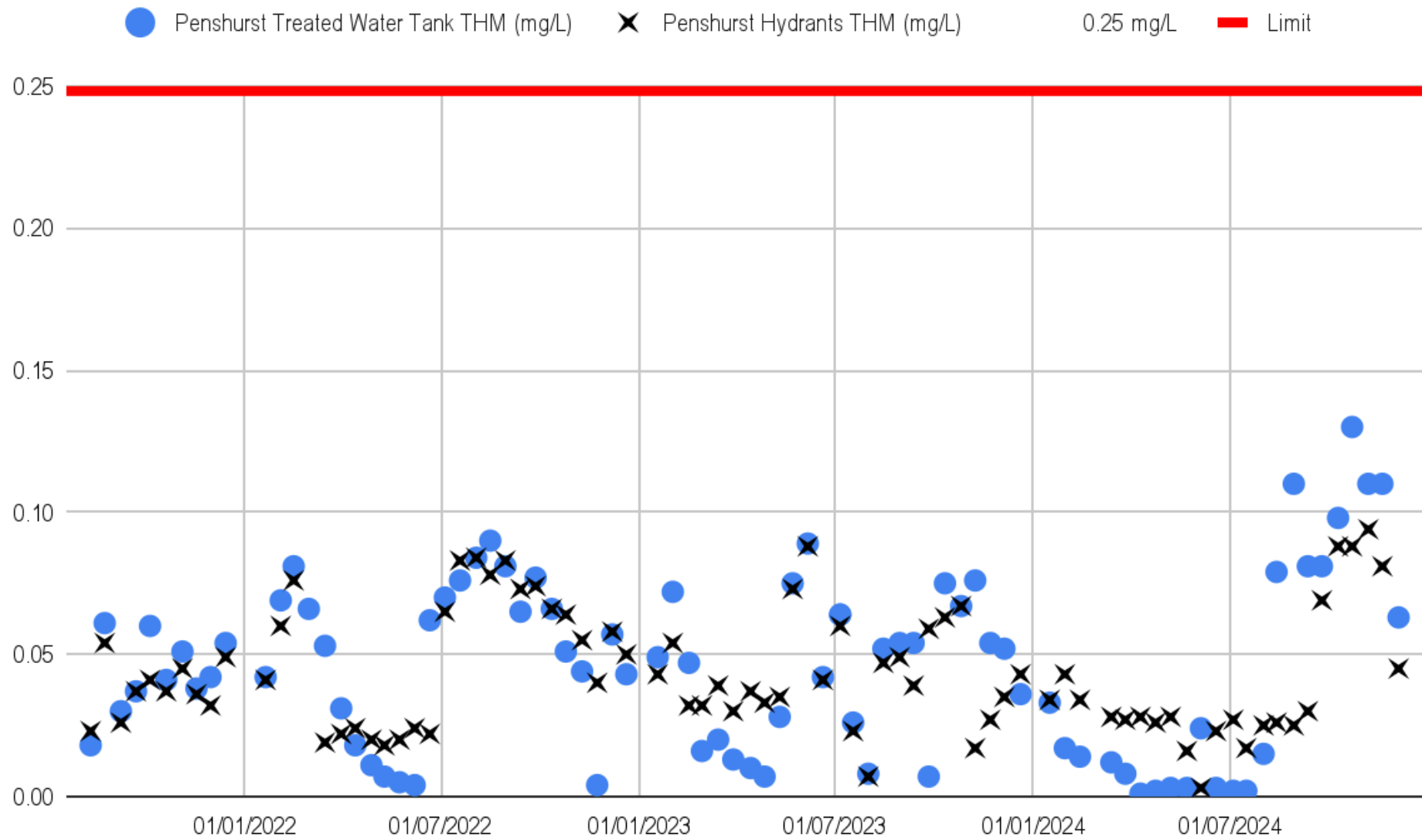


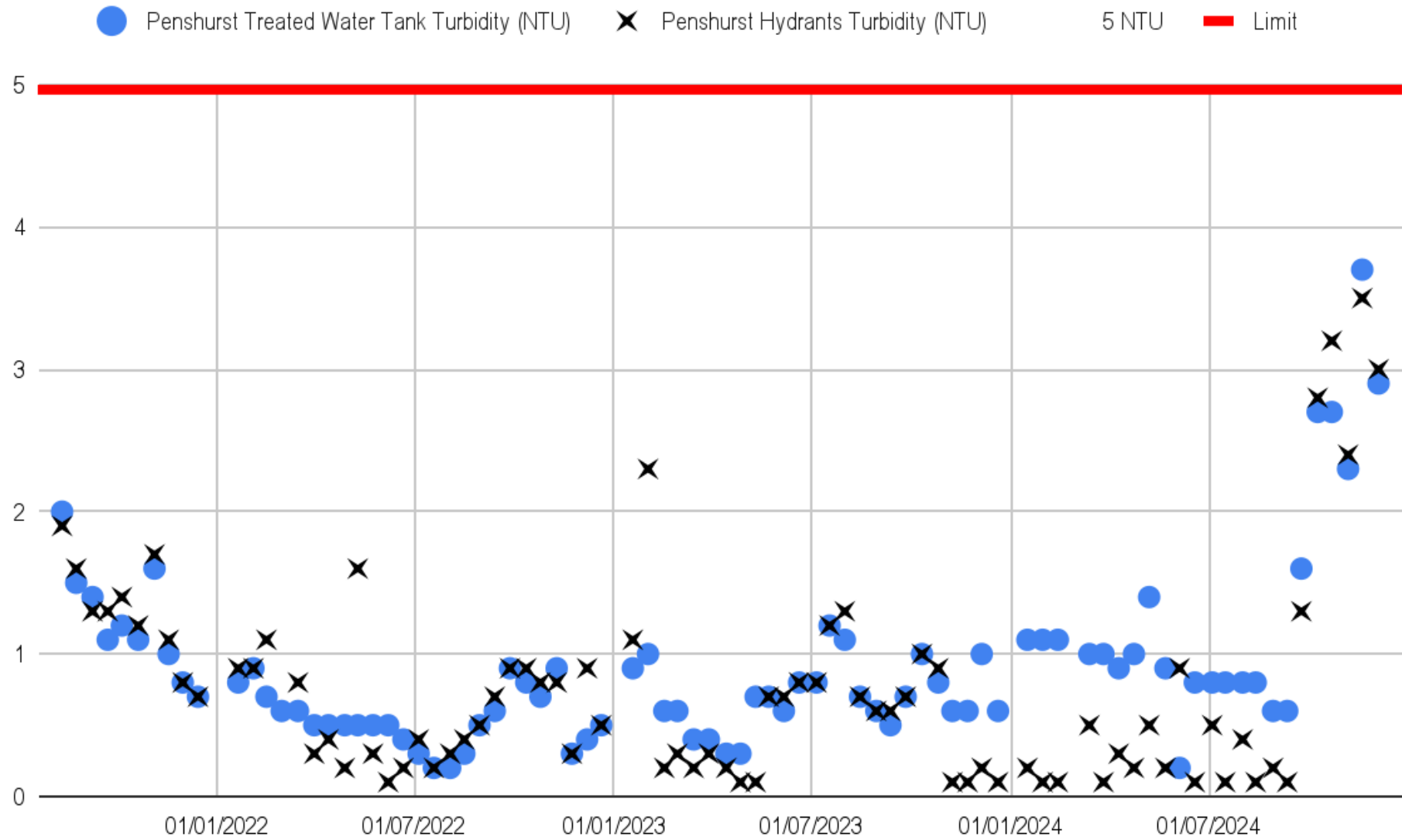
● Penshurst Treated Water Tank pH (-) ✕ Penshurst Hydrants pH (-) 6.5 Limit 8.5 Limit



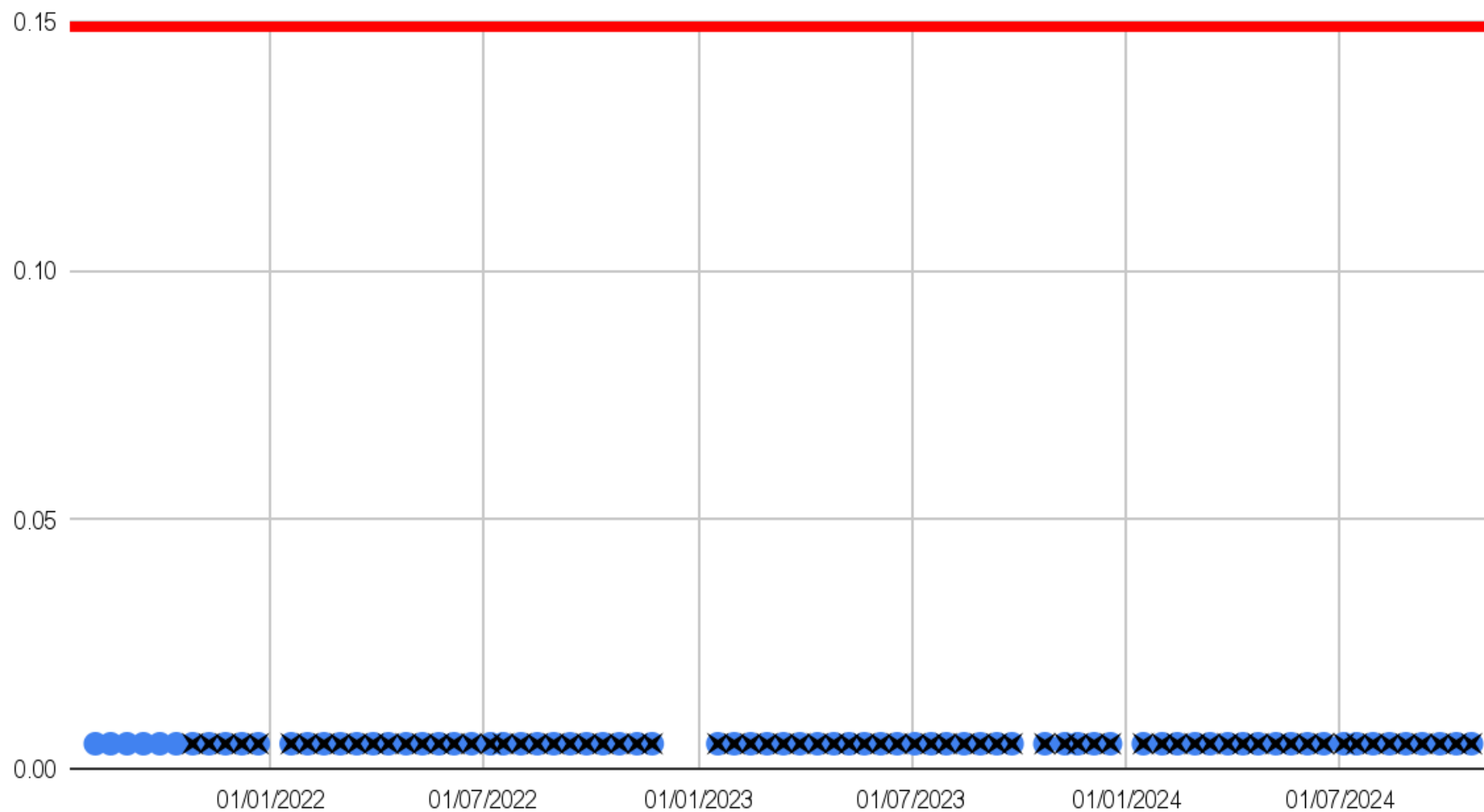


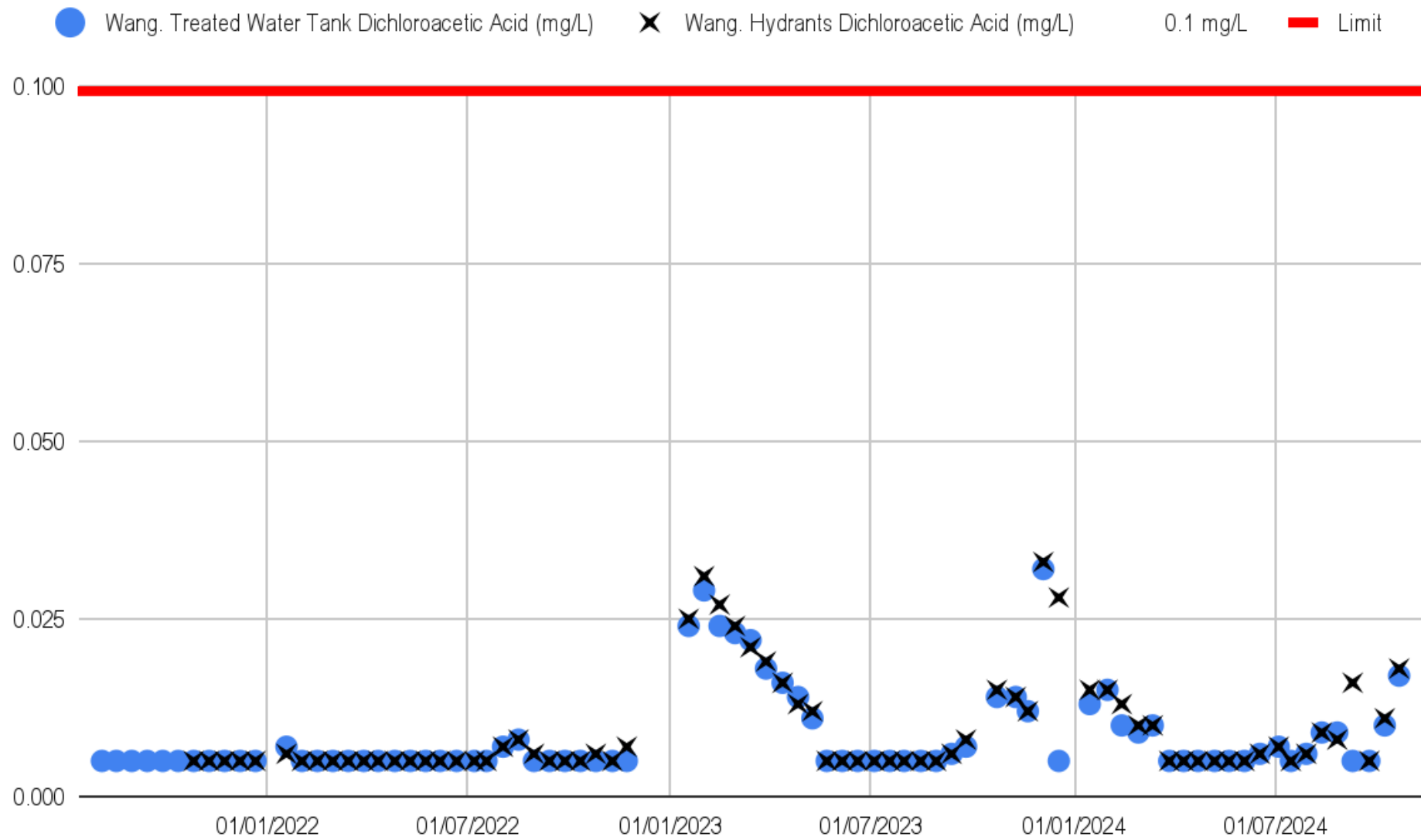


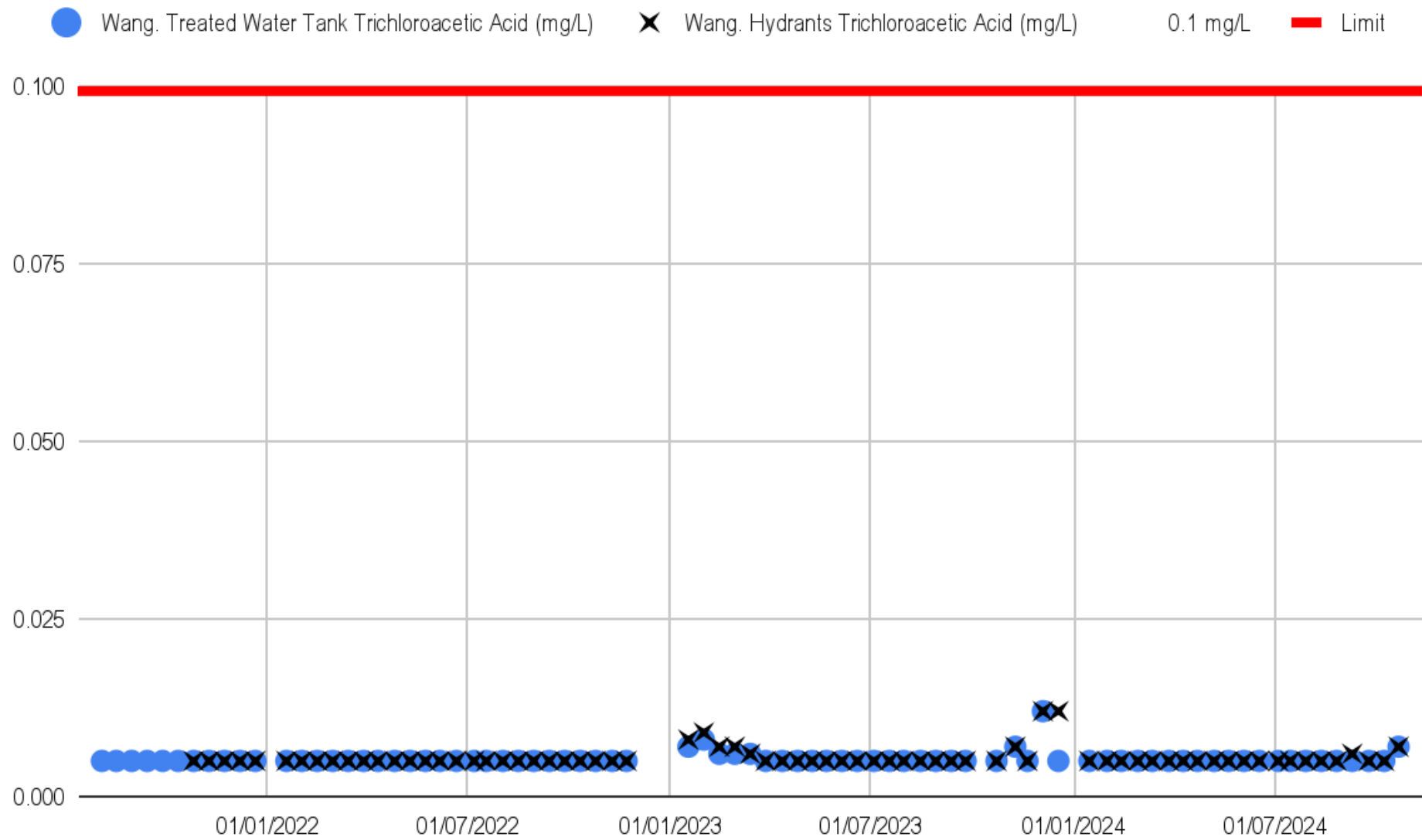


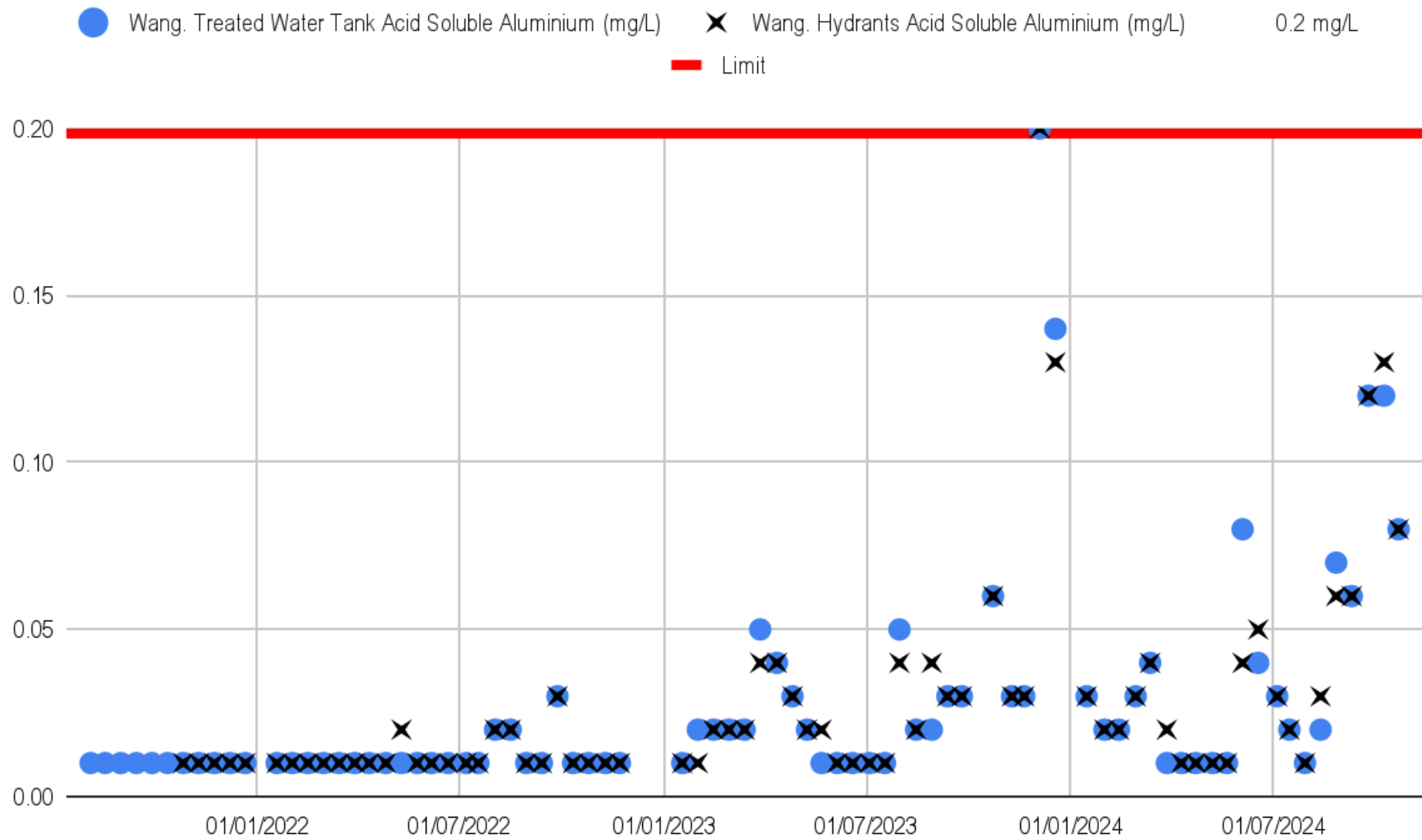


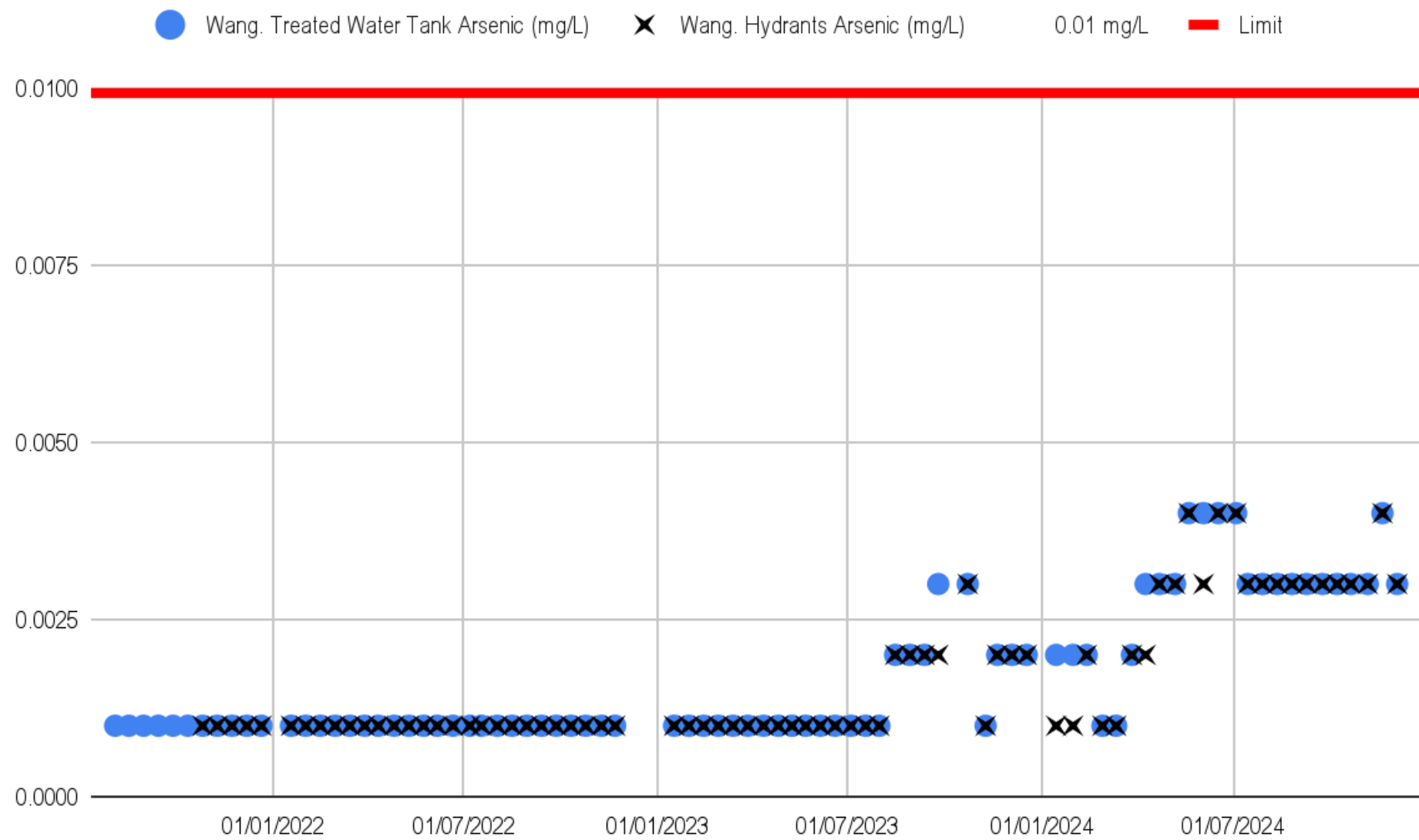
● Wang. Treated Water Tank Chloroacetic Acid (mg/L) ✕ Wang. Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L — Limit

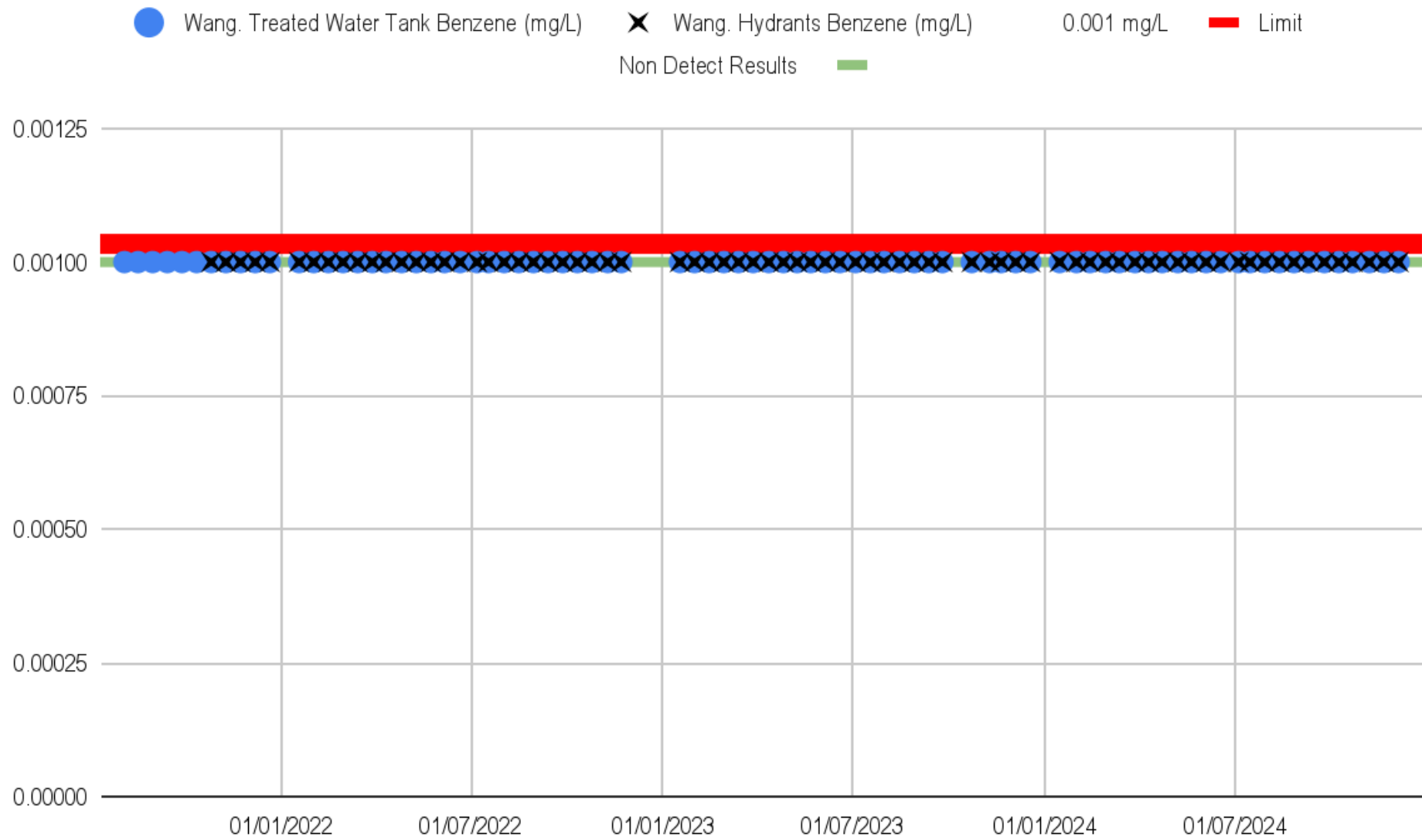


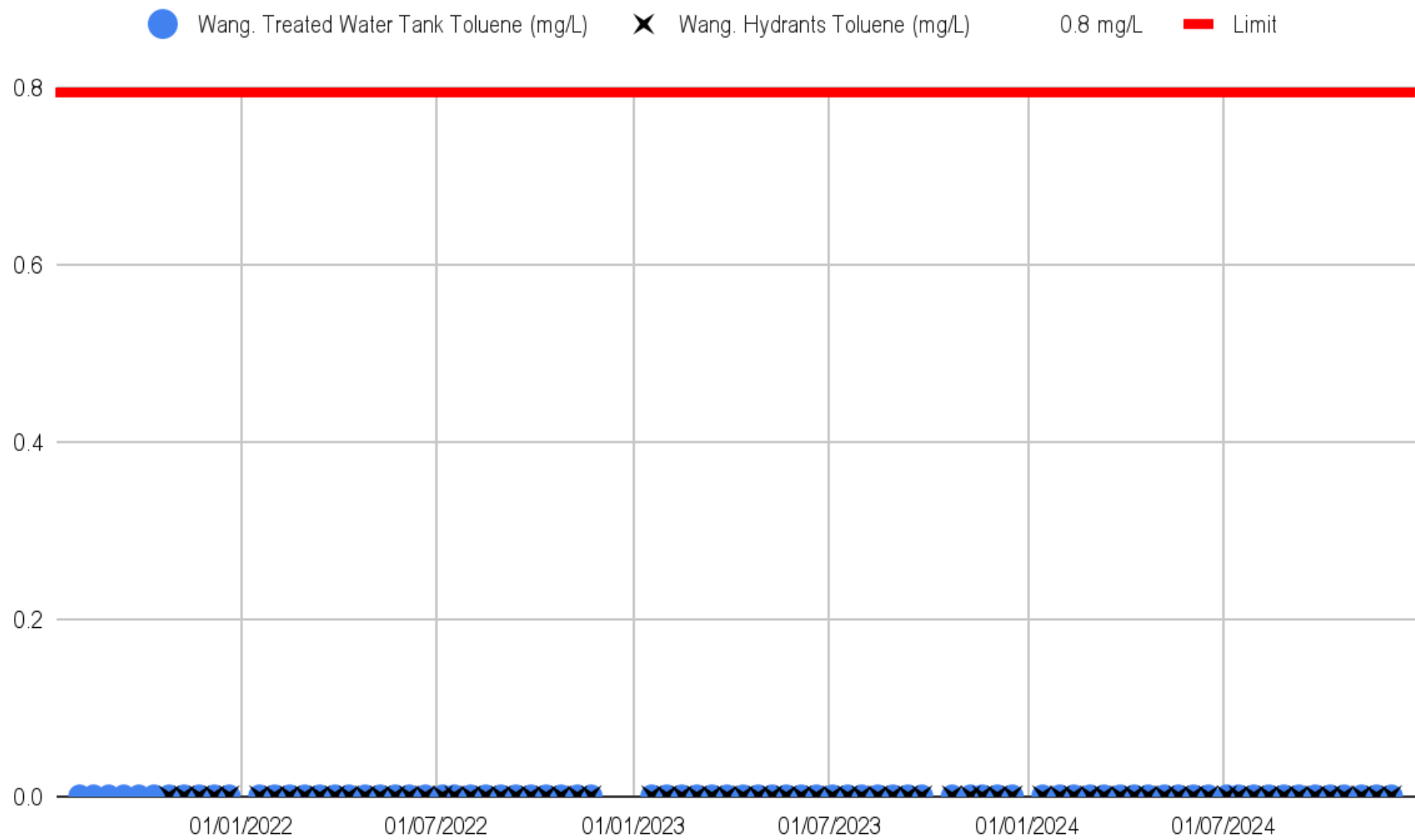


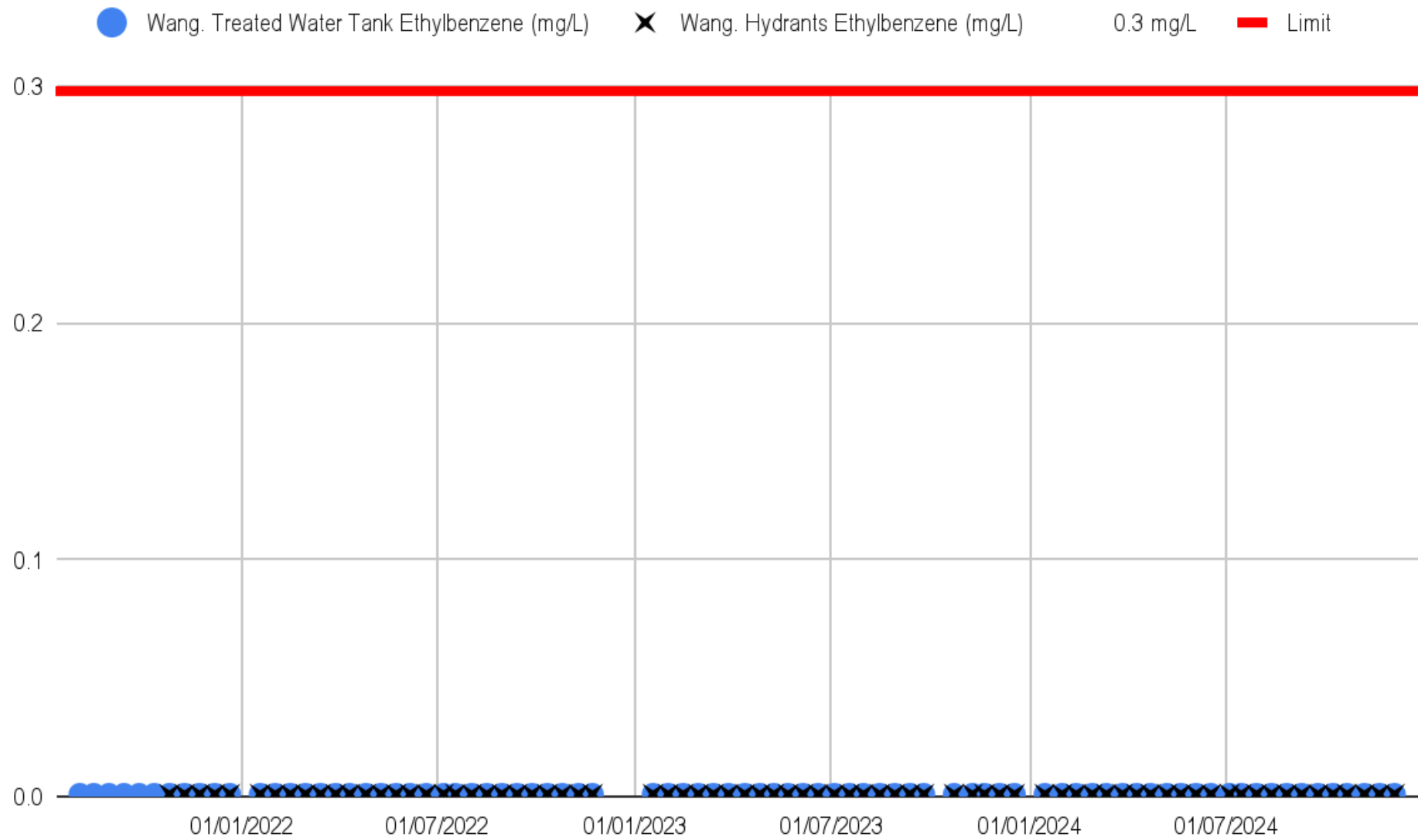


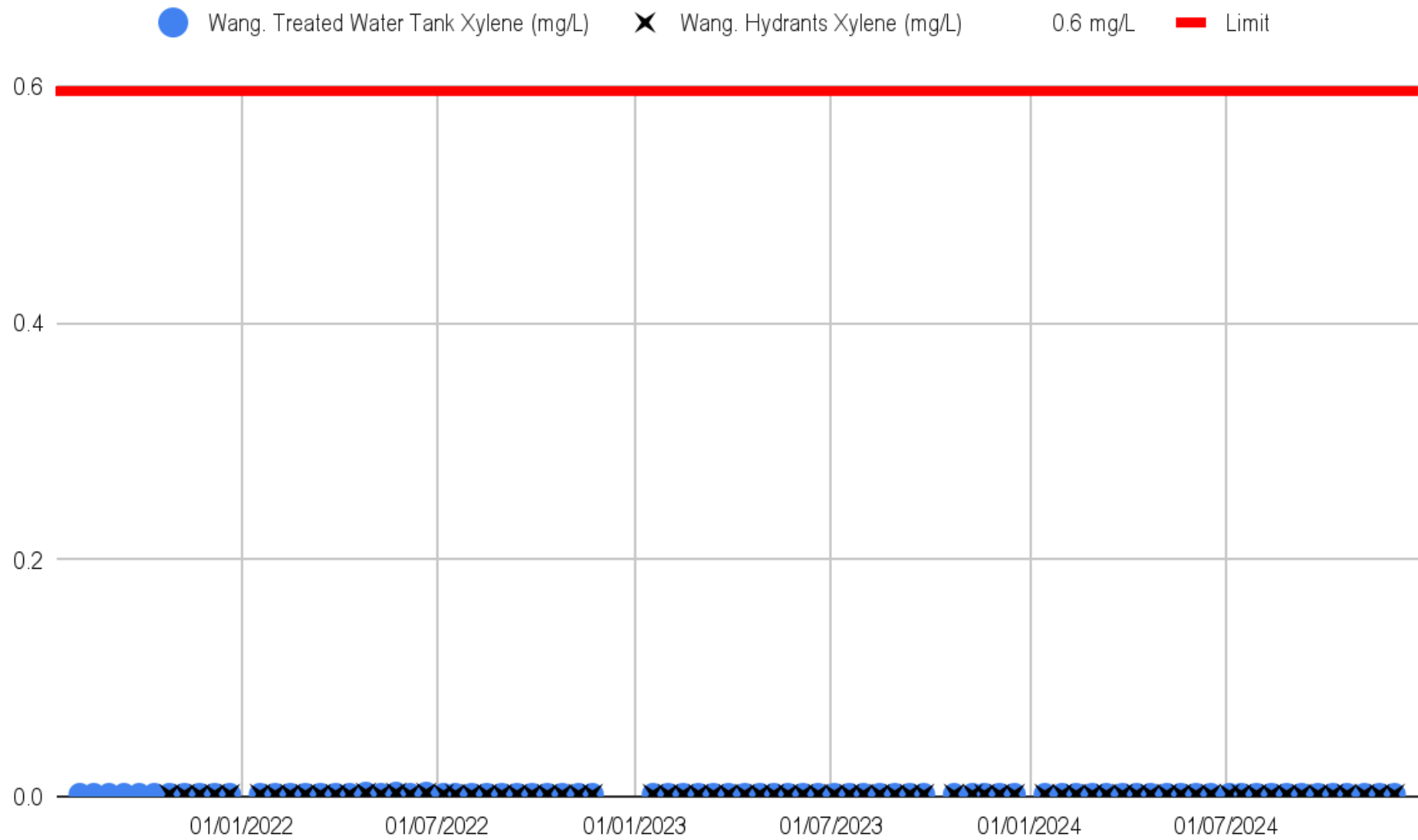




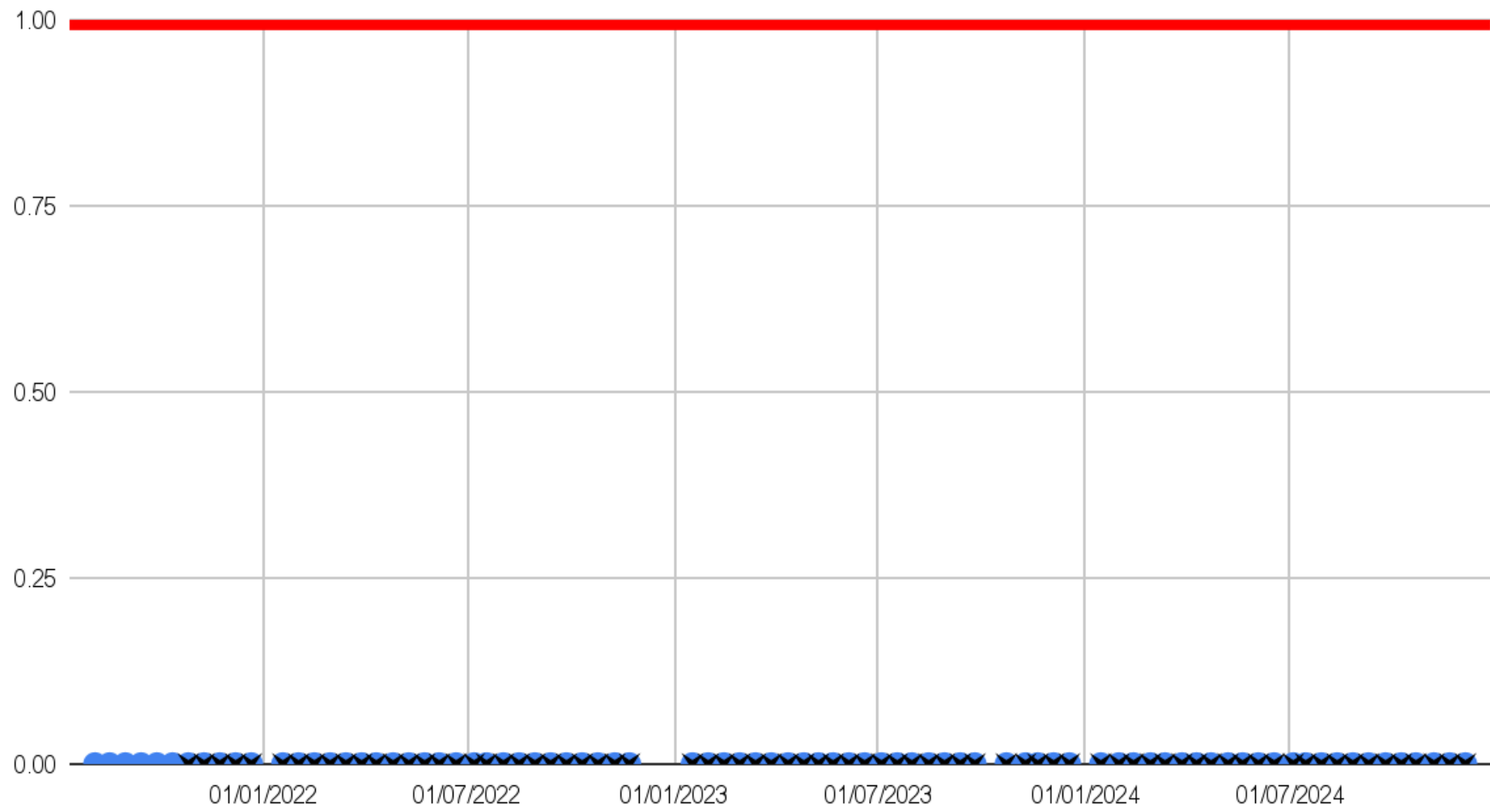




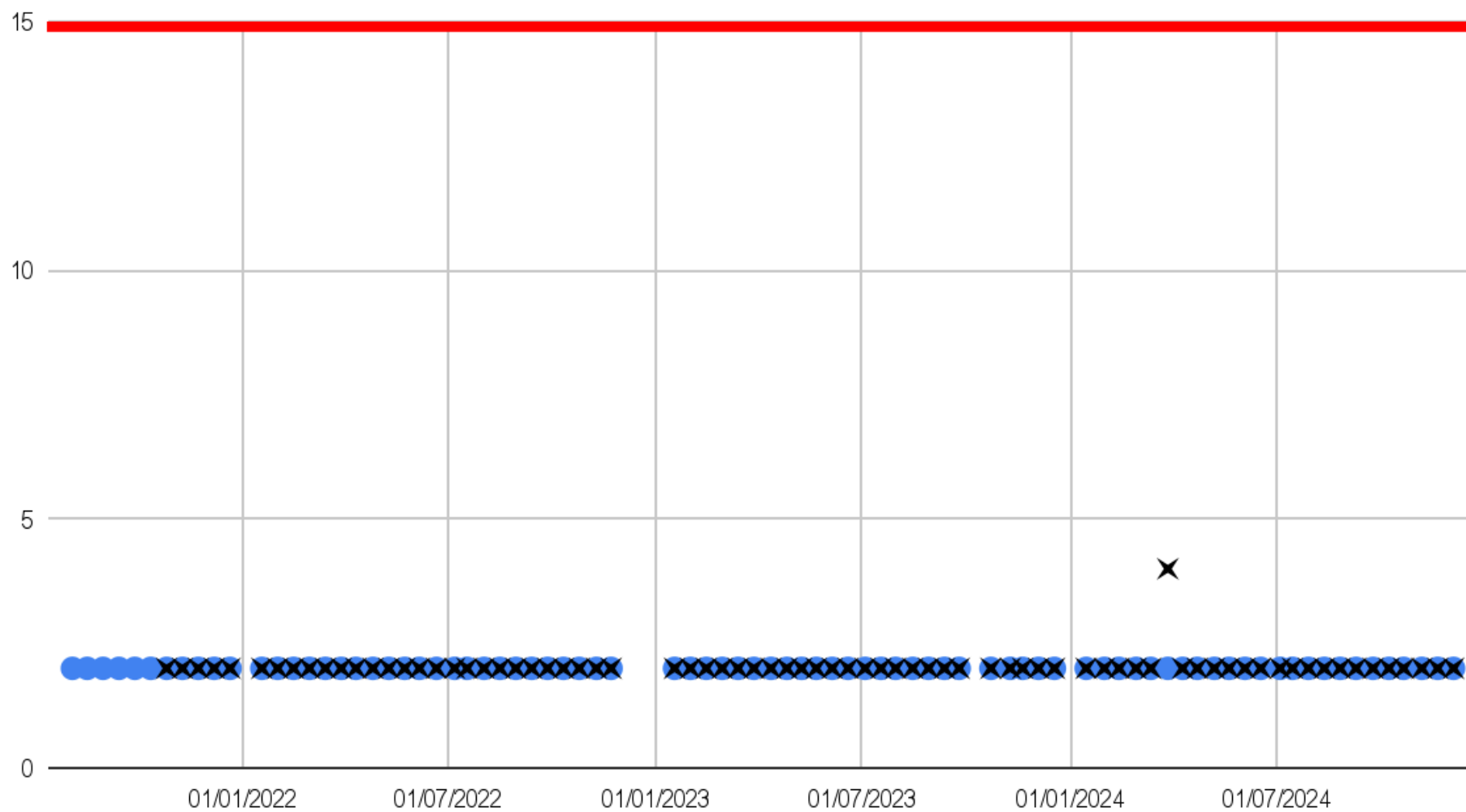


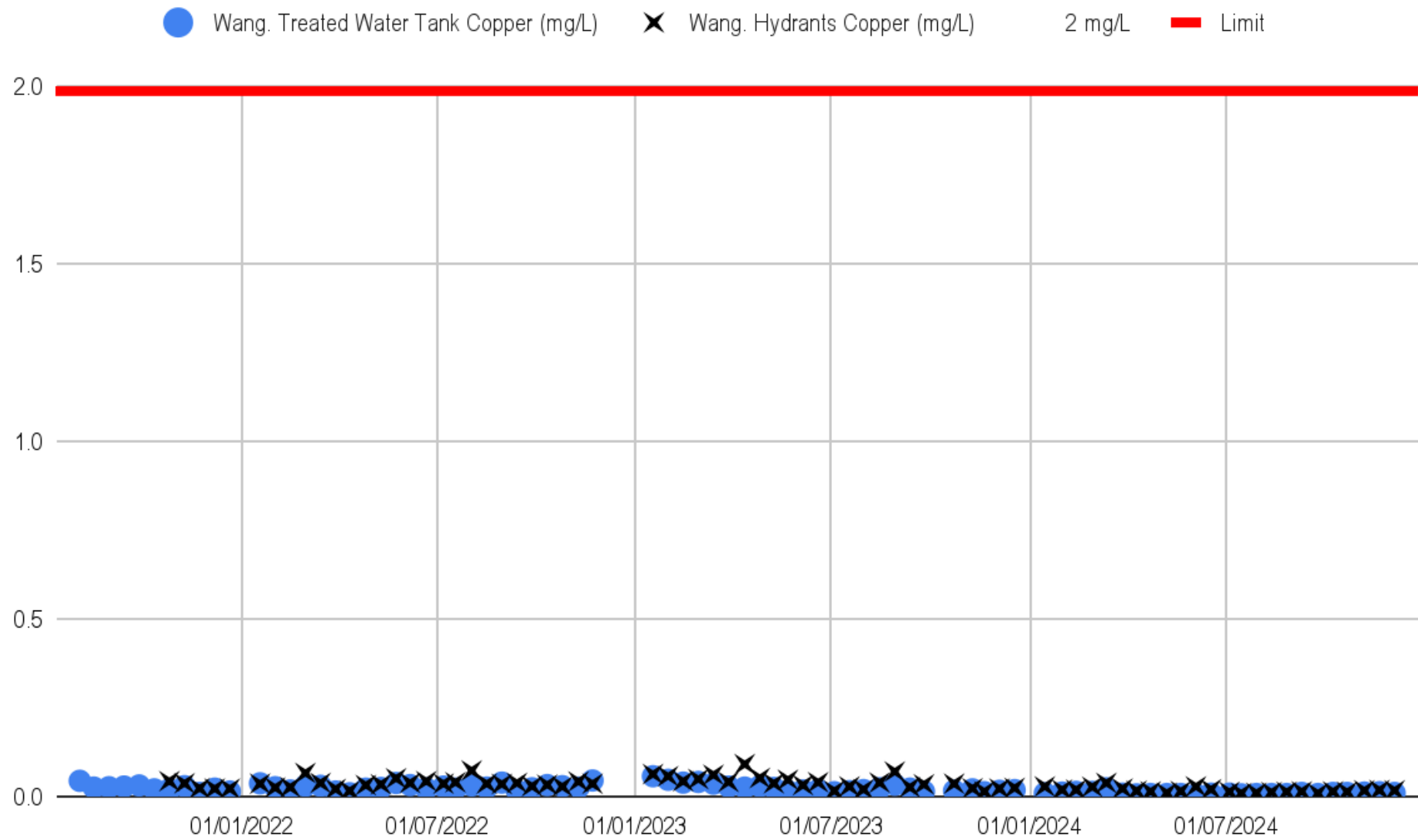


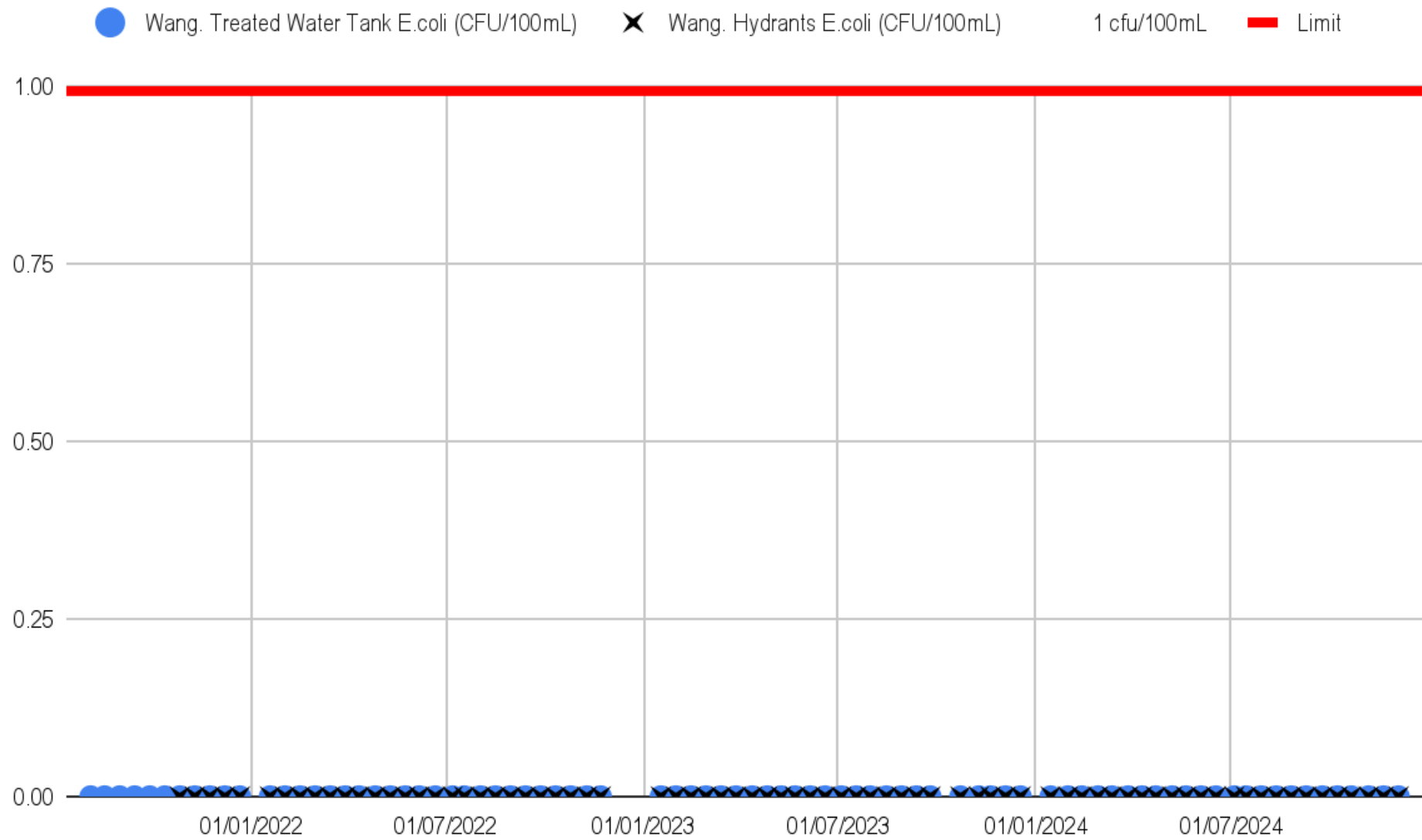
● Wang. Treated Water Tank Coliforms (CFU/100mL) ✕ Wang. Hydrants Coliforms (CFU/100mL) 1 cfu/100mL — Limit

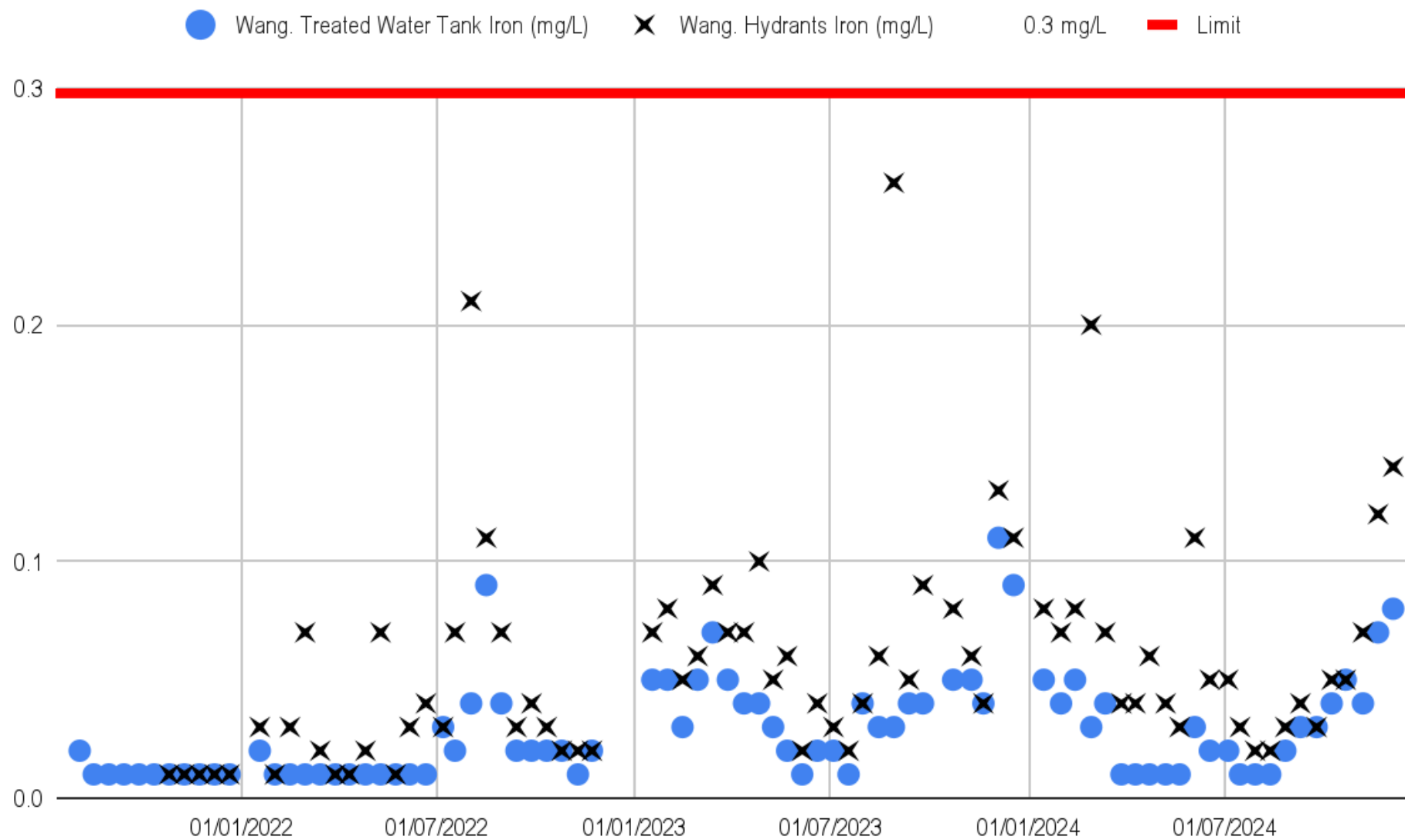


● Wang. Treated Water Tank Colour (Pt/Co) ✕ Wang. Hydrants Colour (Pt/Co) 15 Pt/Co ■ Limit

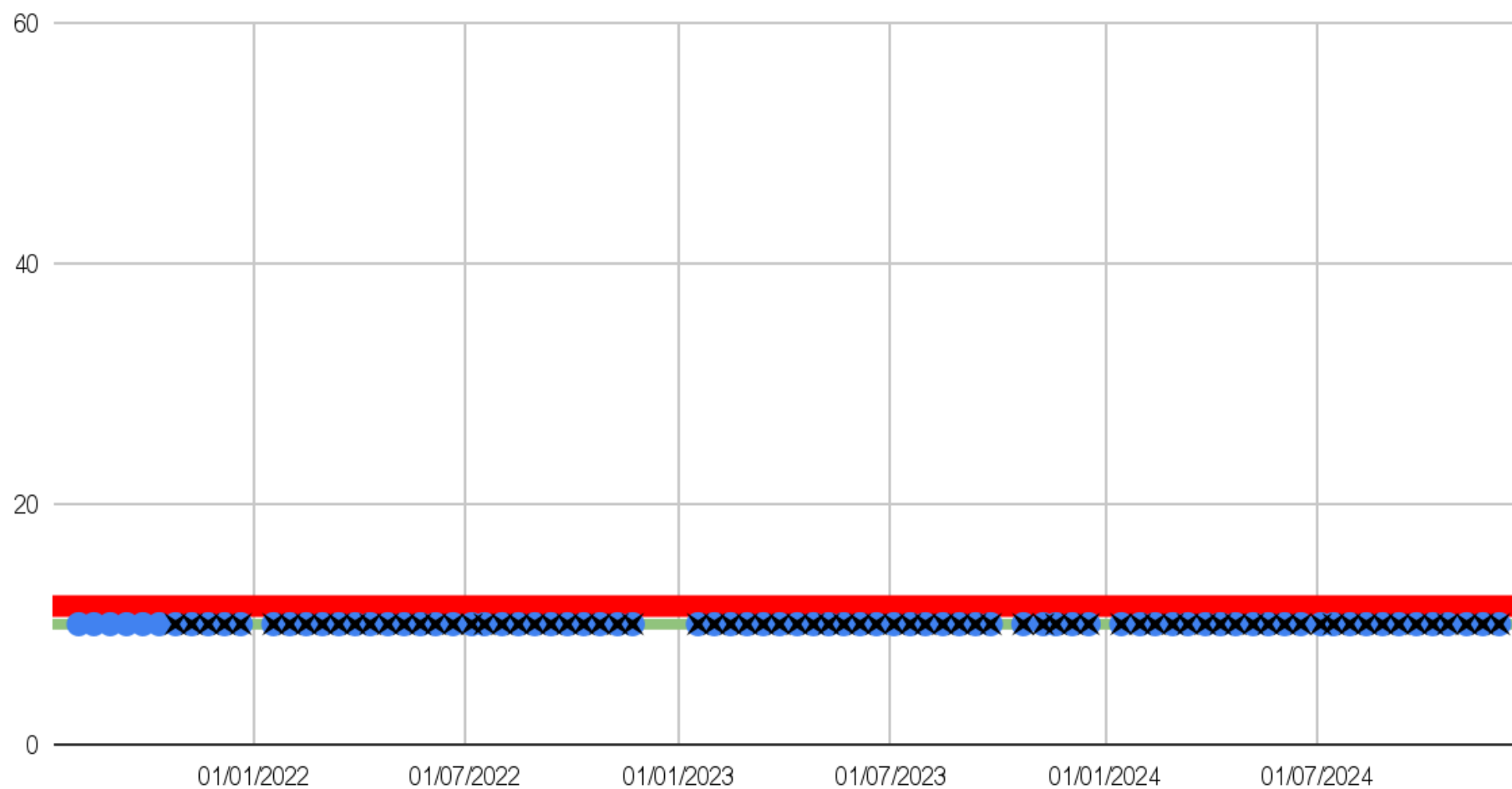


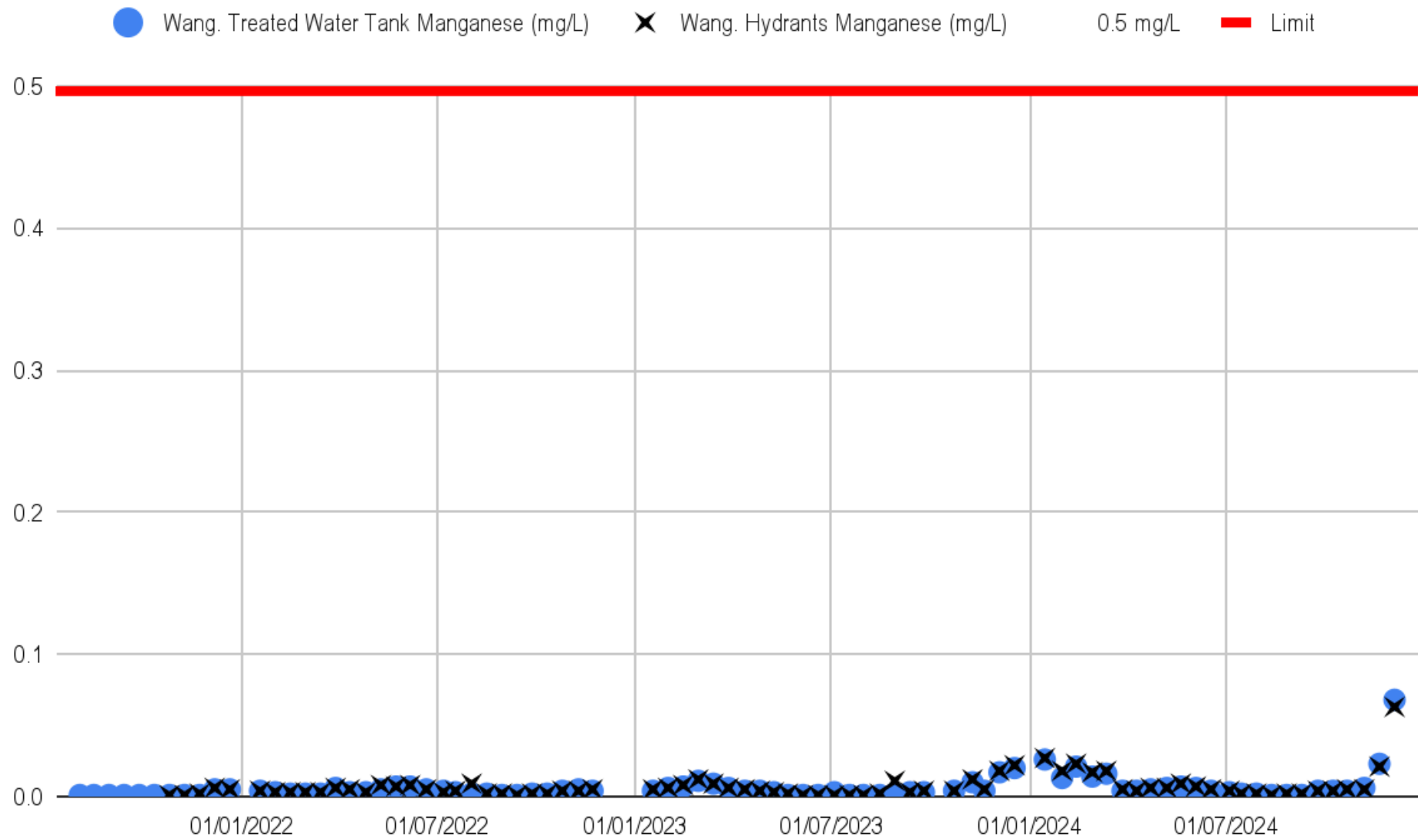


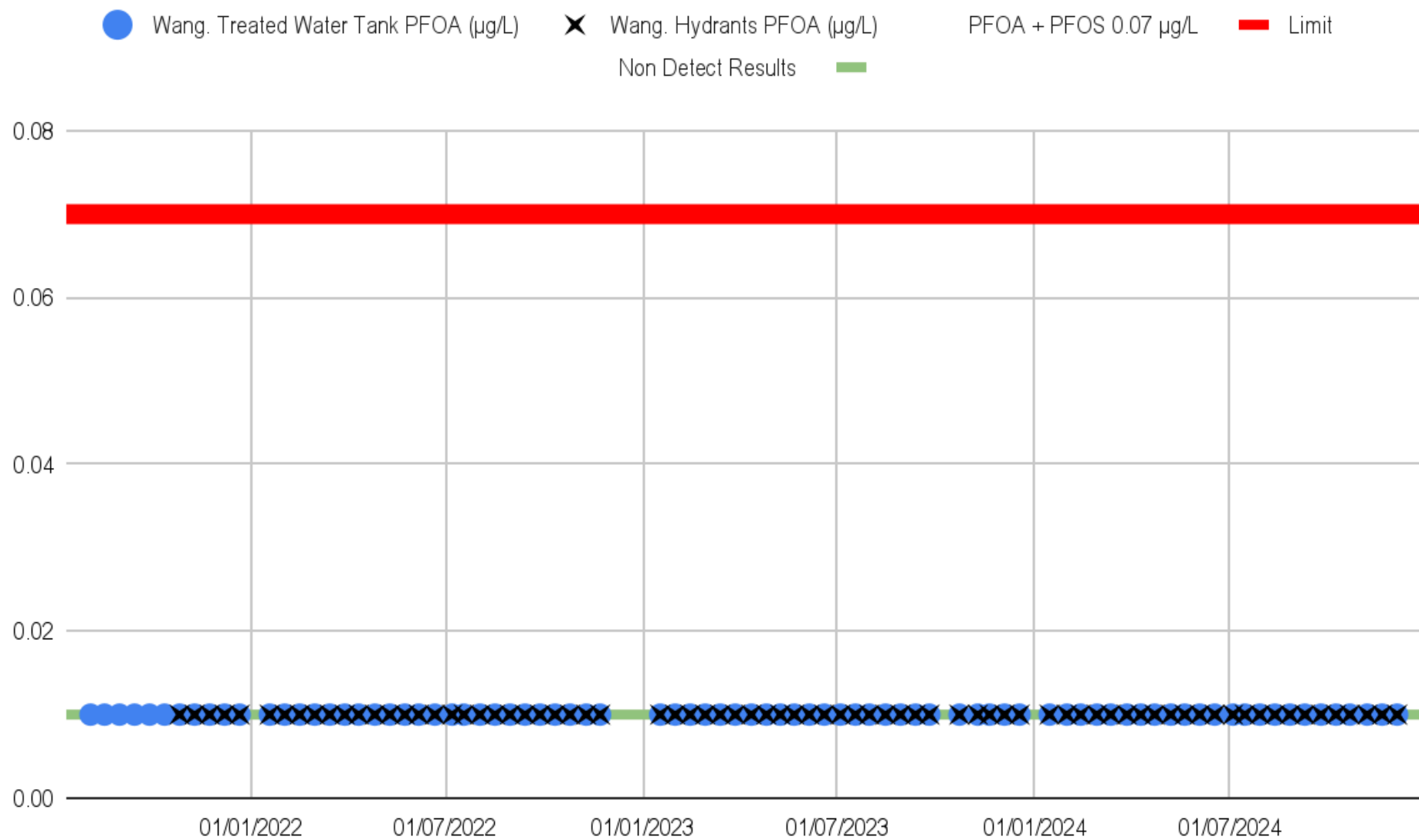


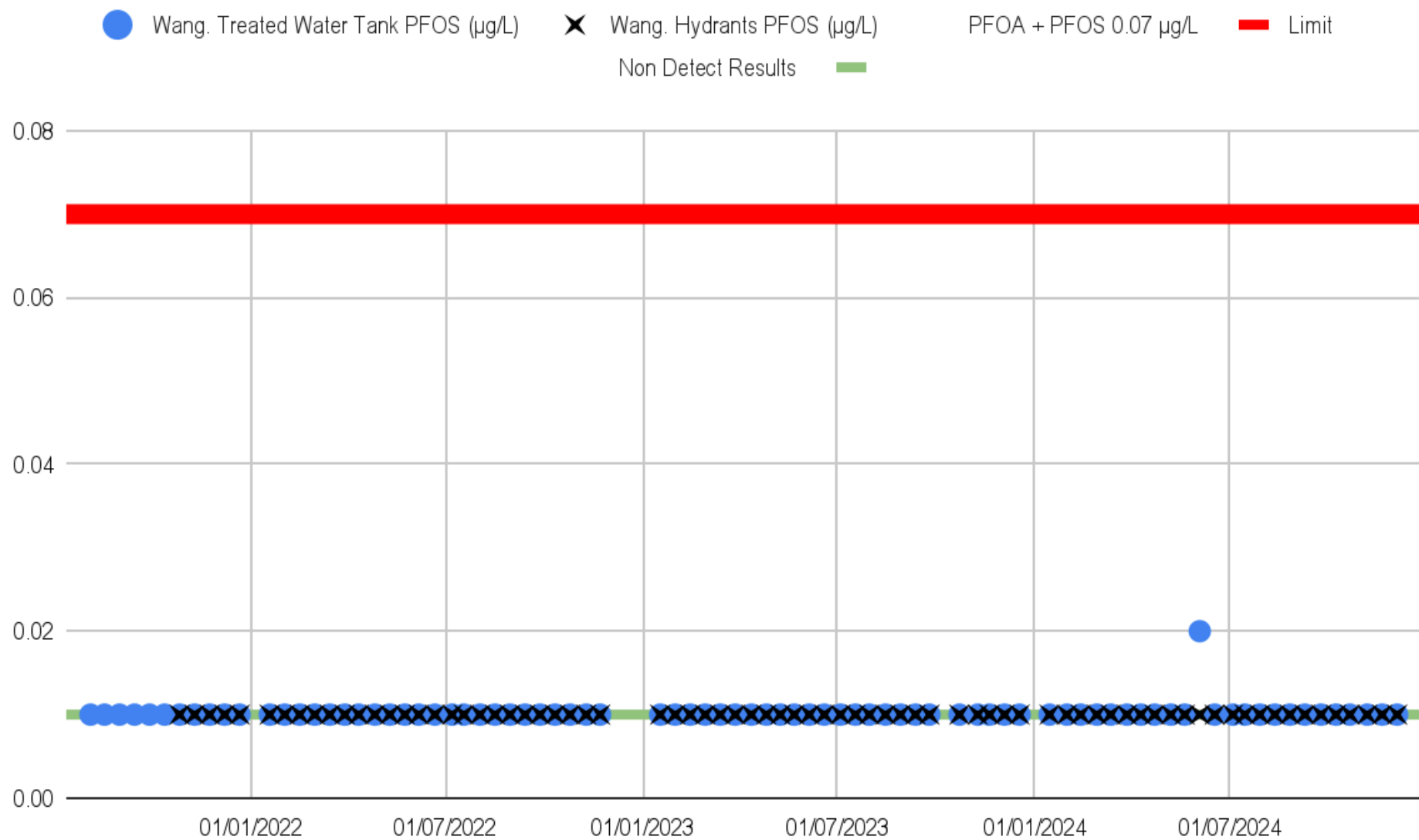


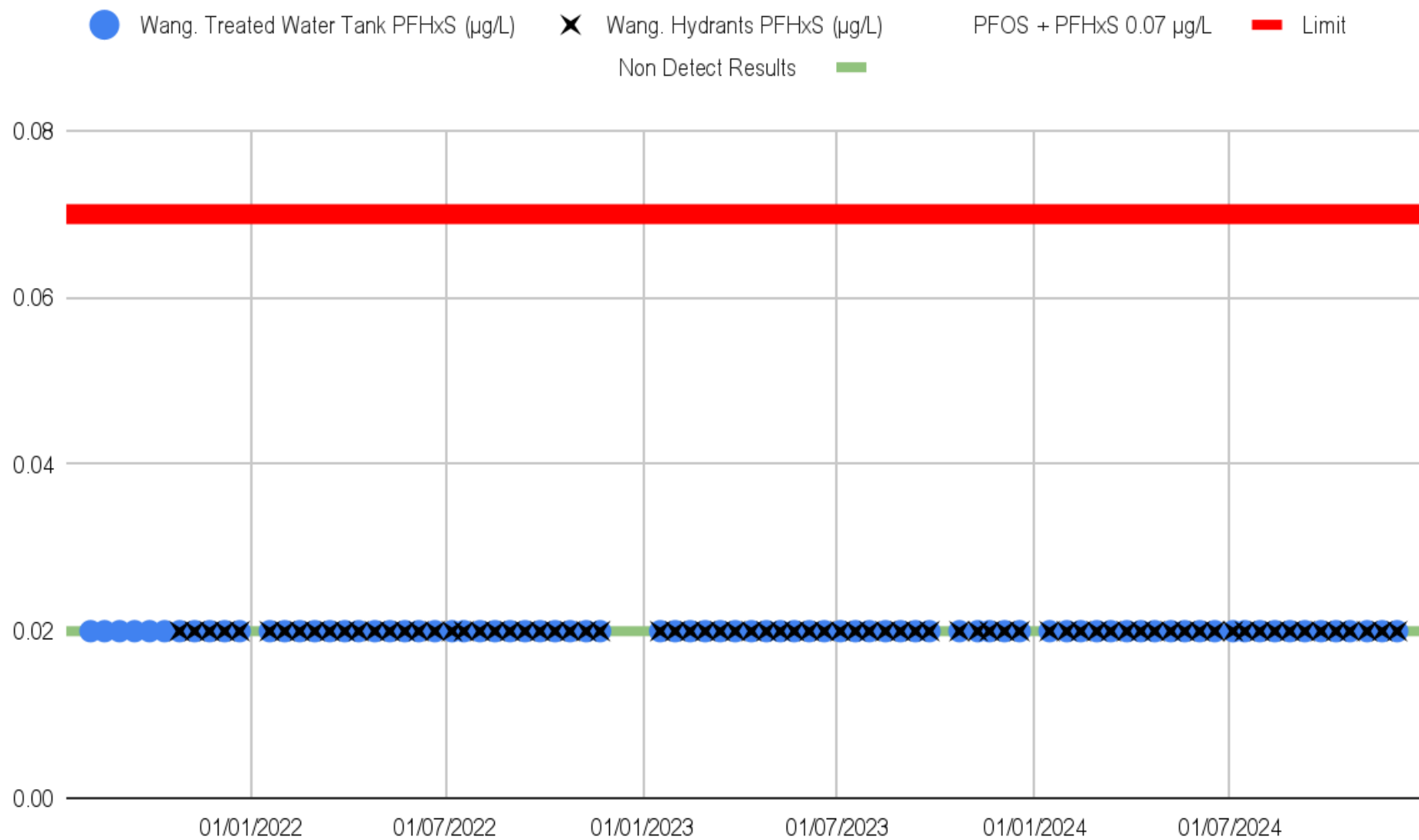
● Wang. Treated Water Tank Total Legionella (CFU/mL) ✕ Wang. Hydrants Total Legionella (CFU/mL) 10 cfu/mL ■ Limit
Non Detect Results ■

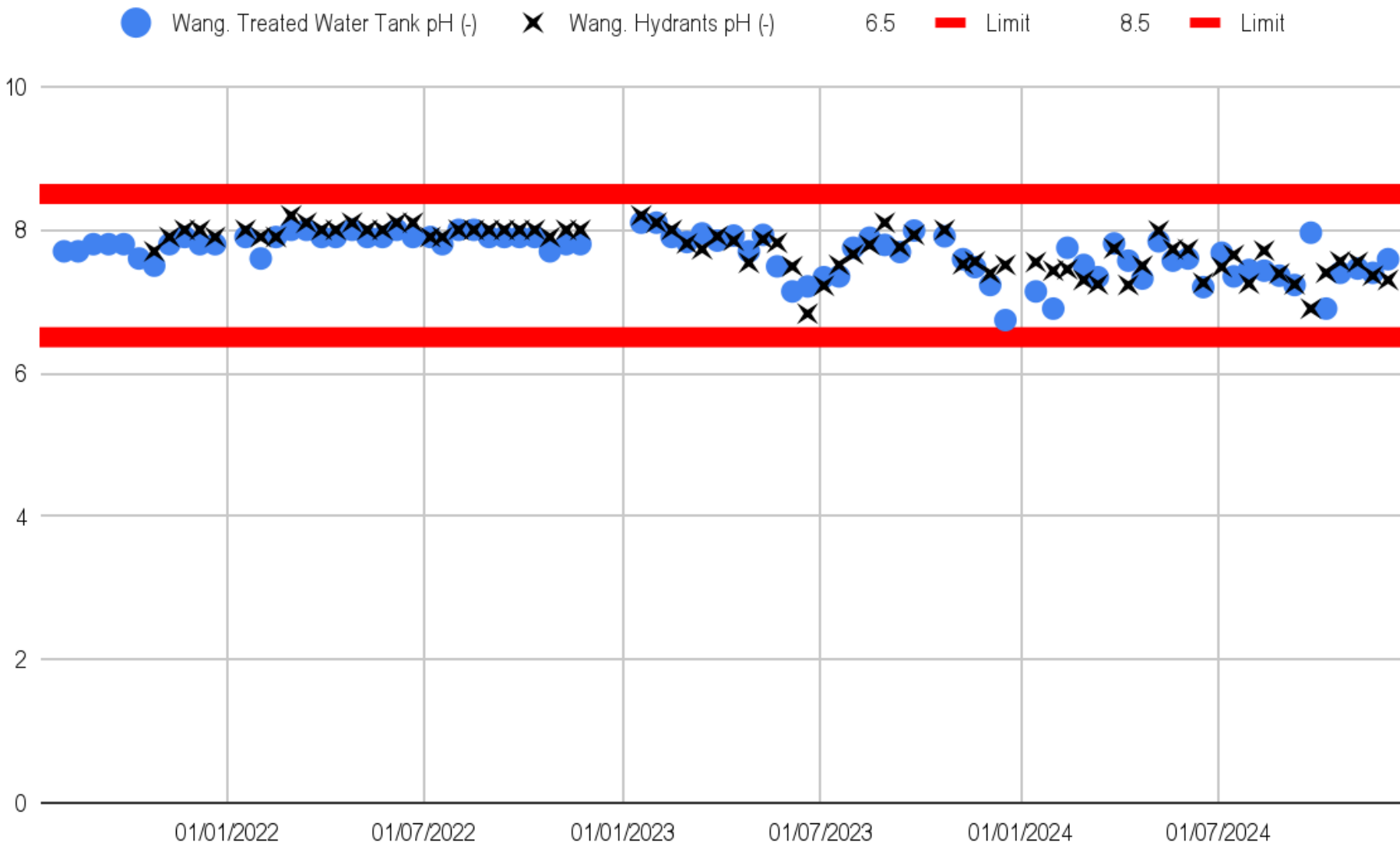


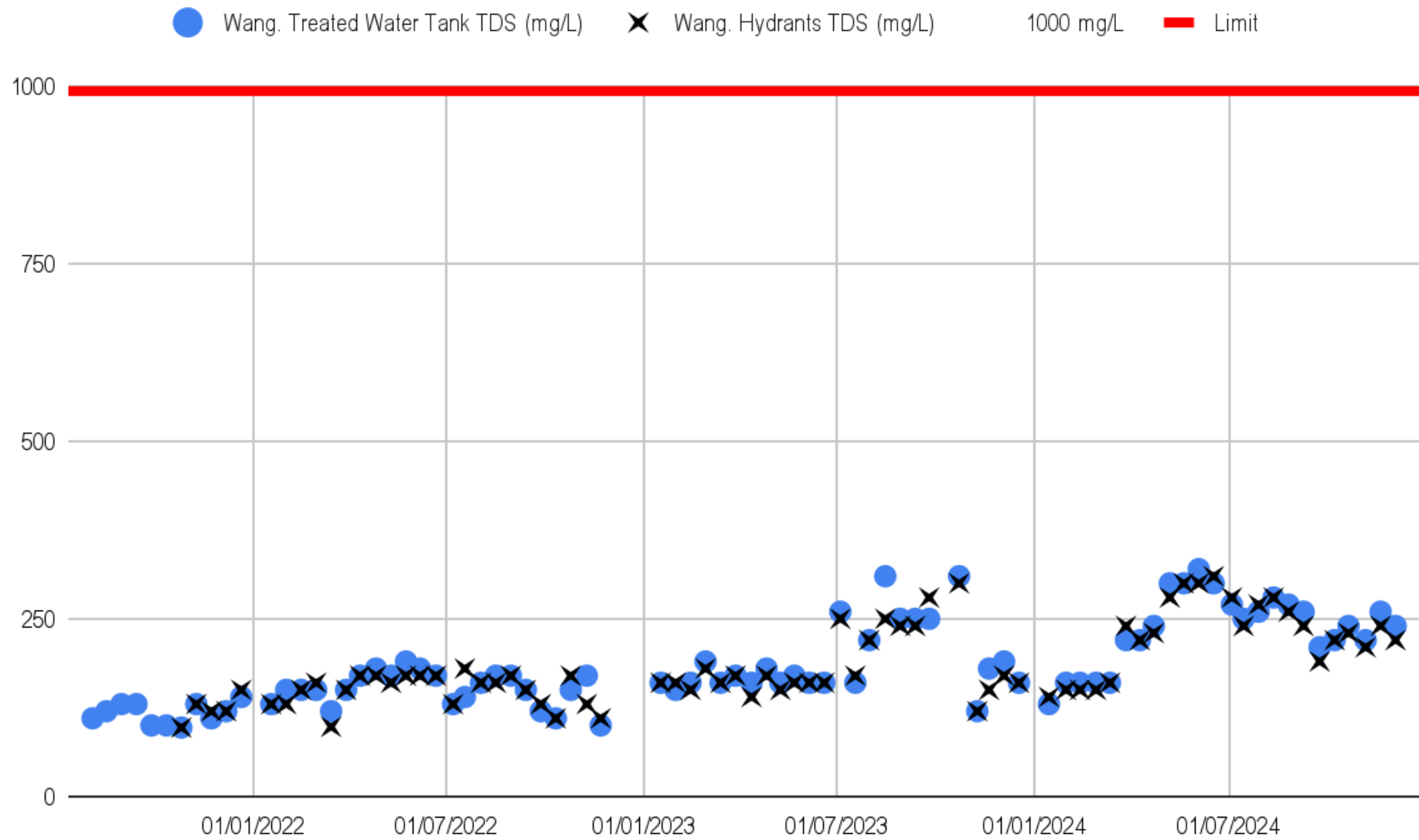


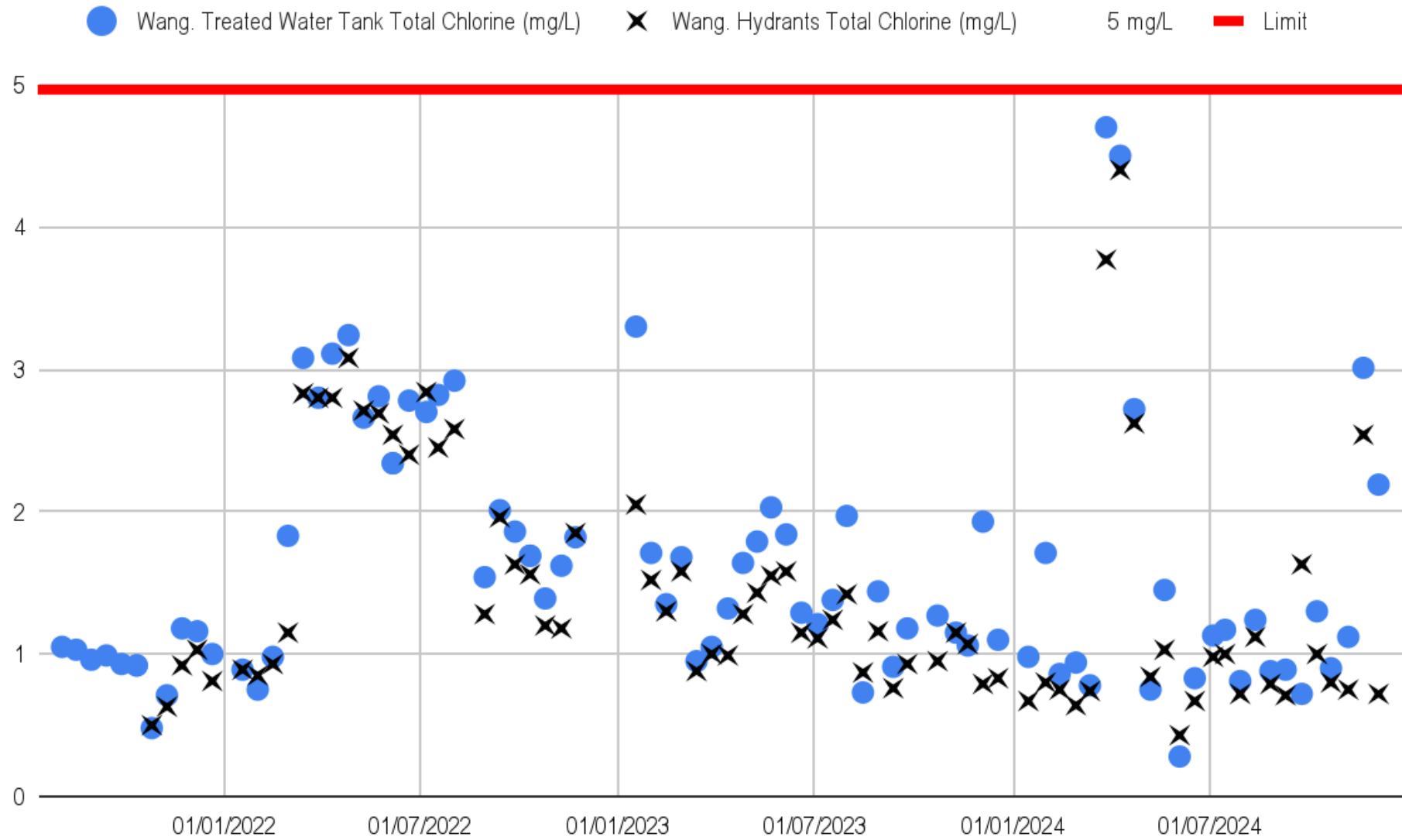


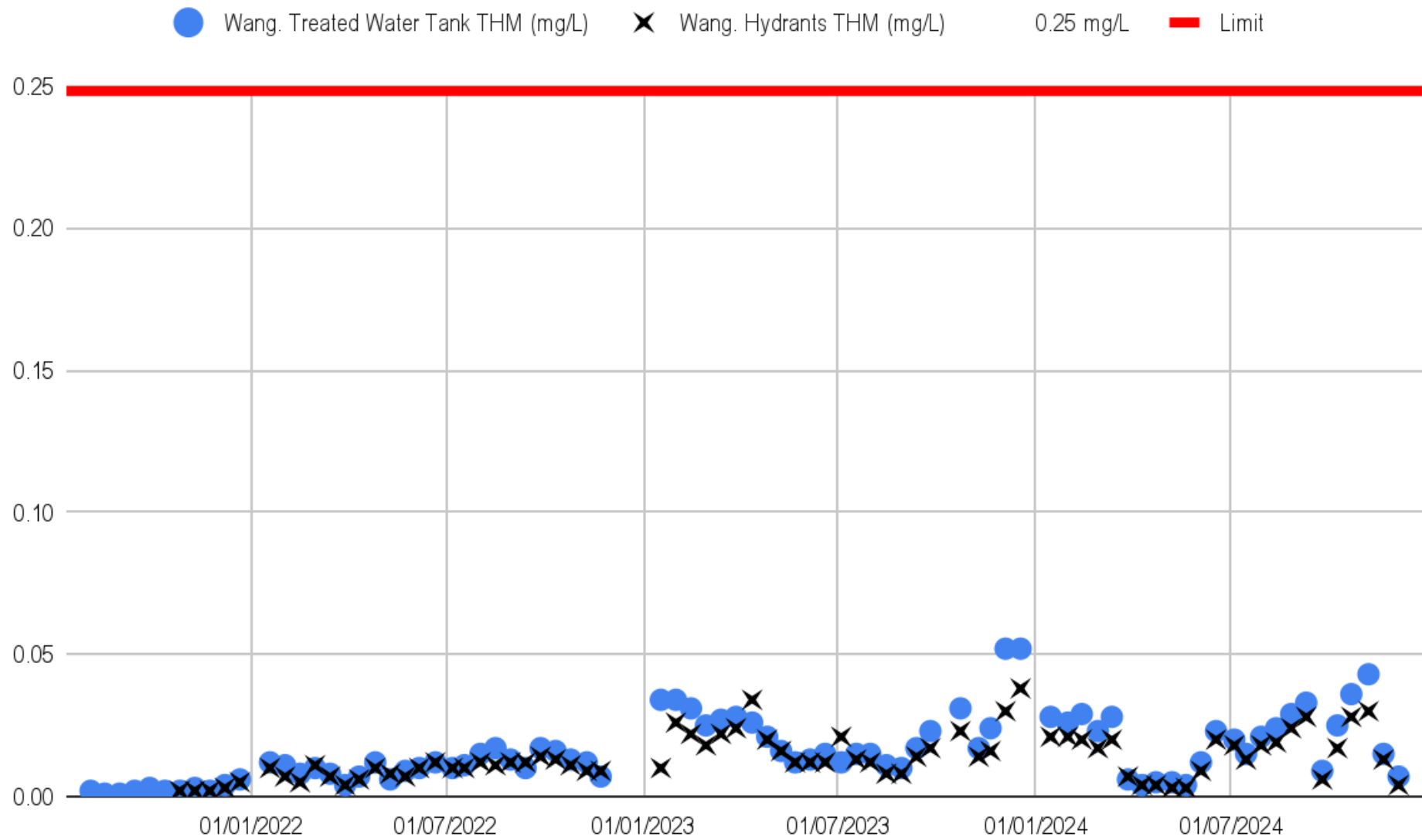


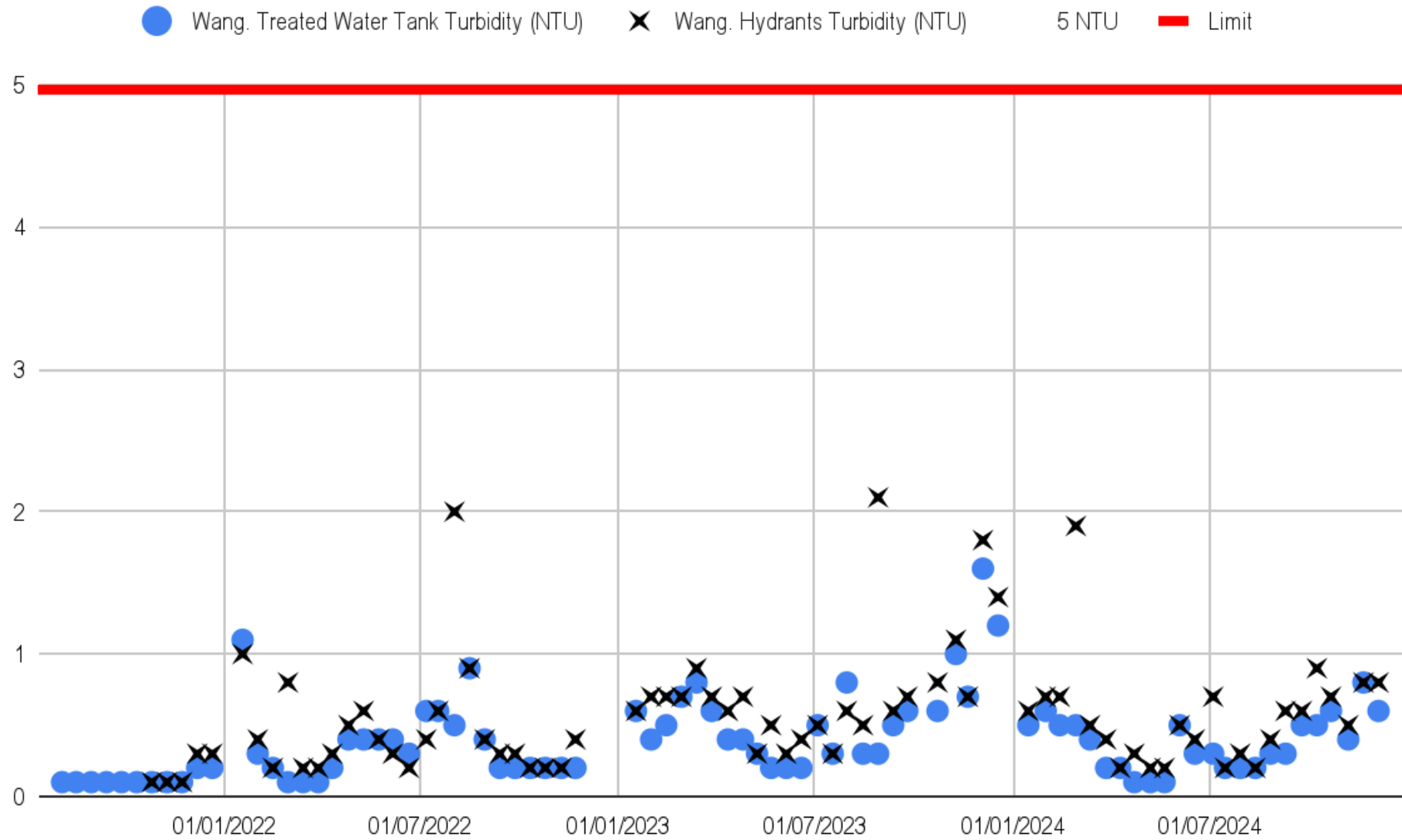




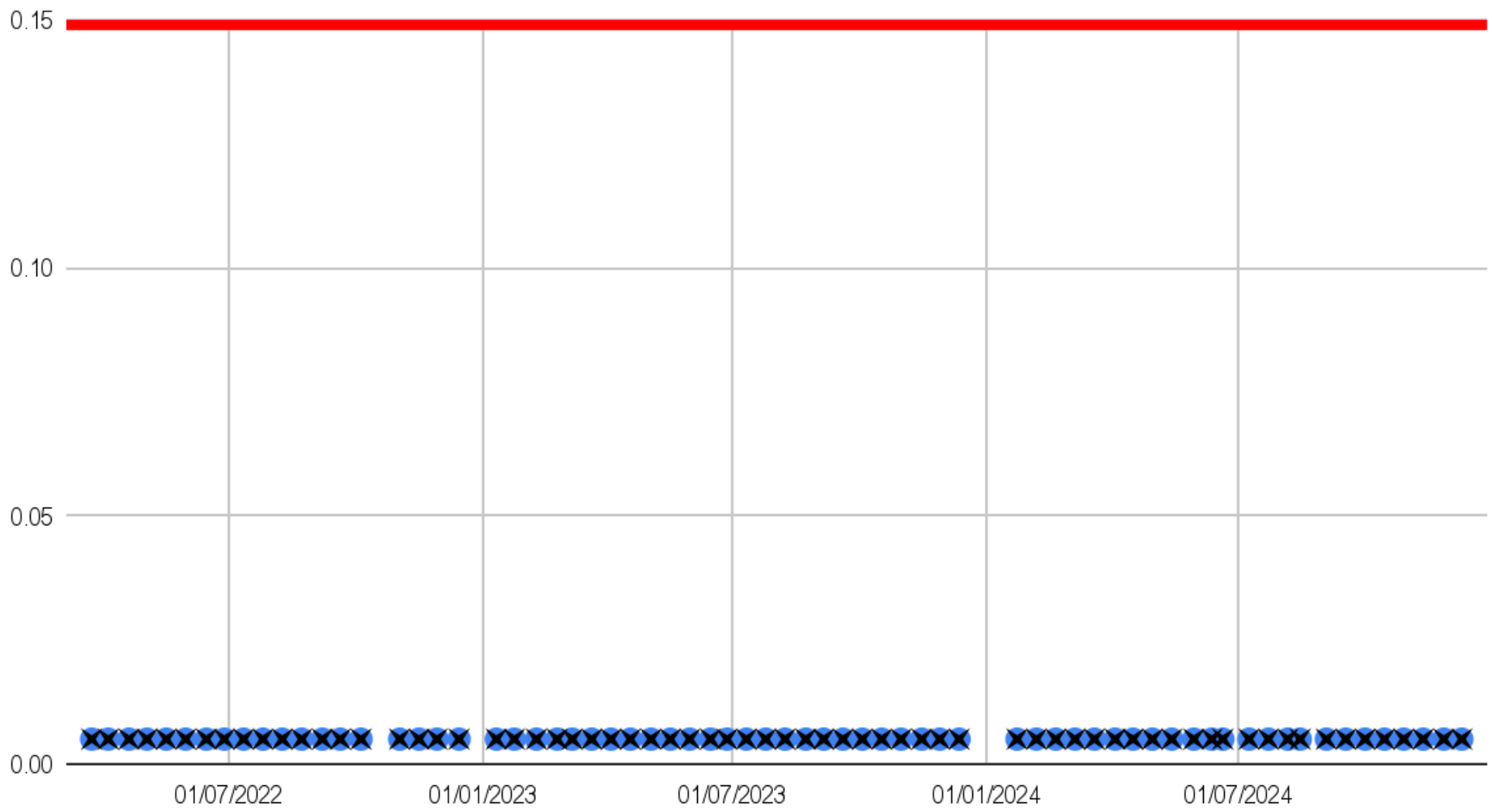


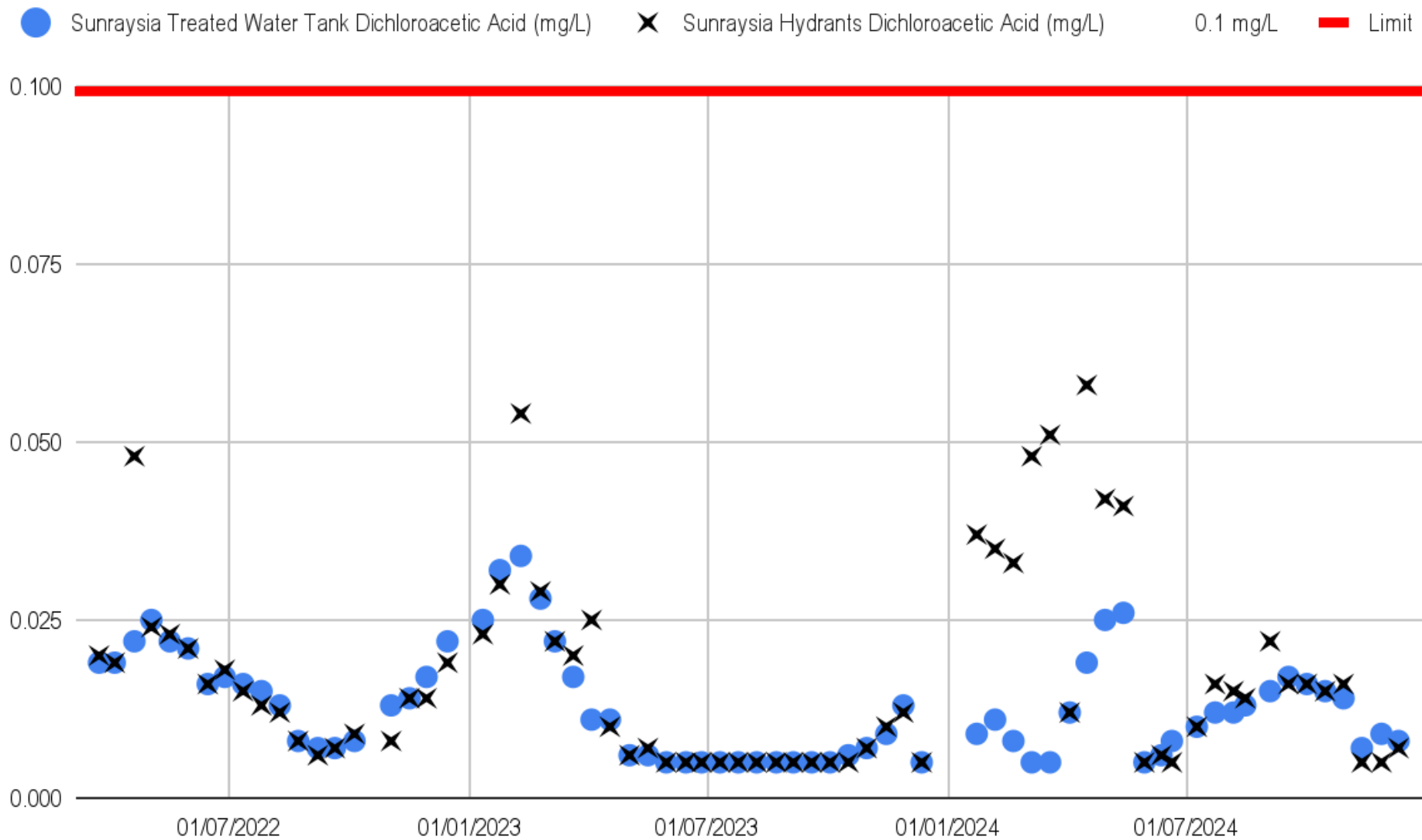


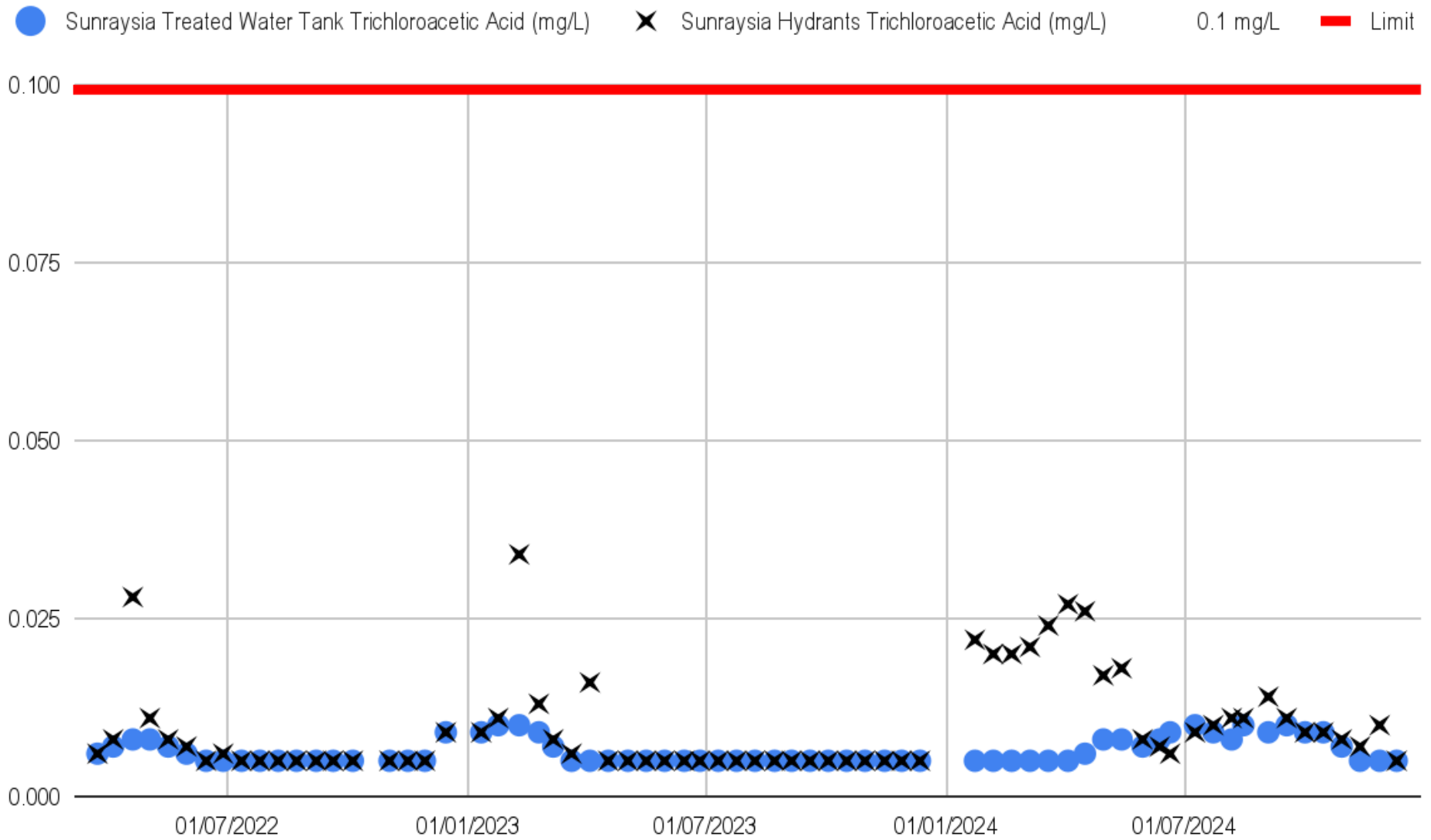


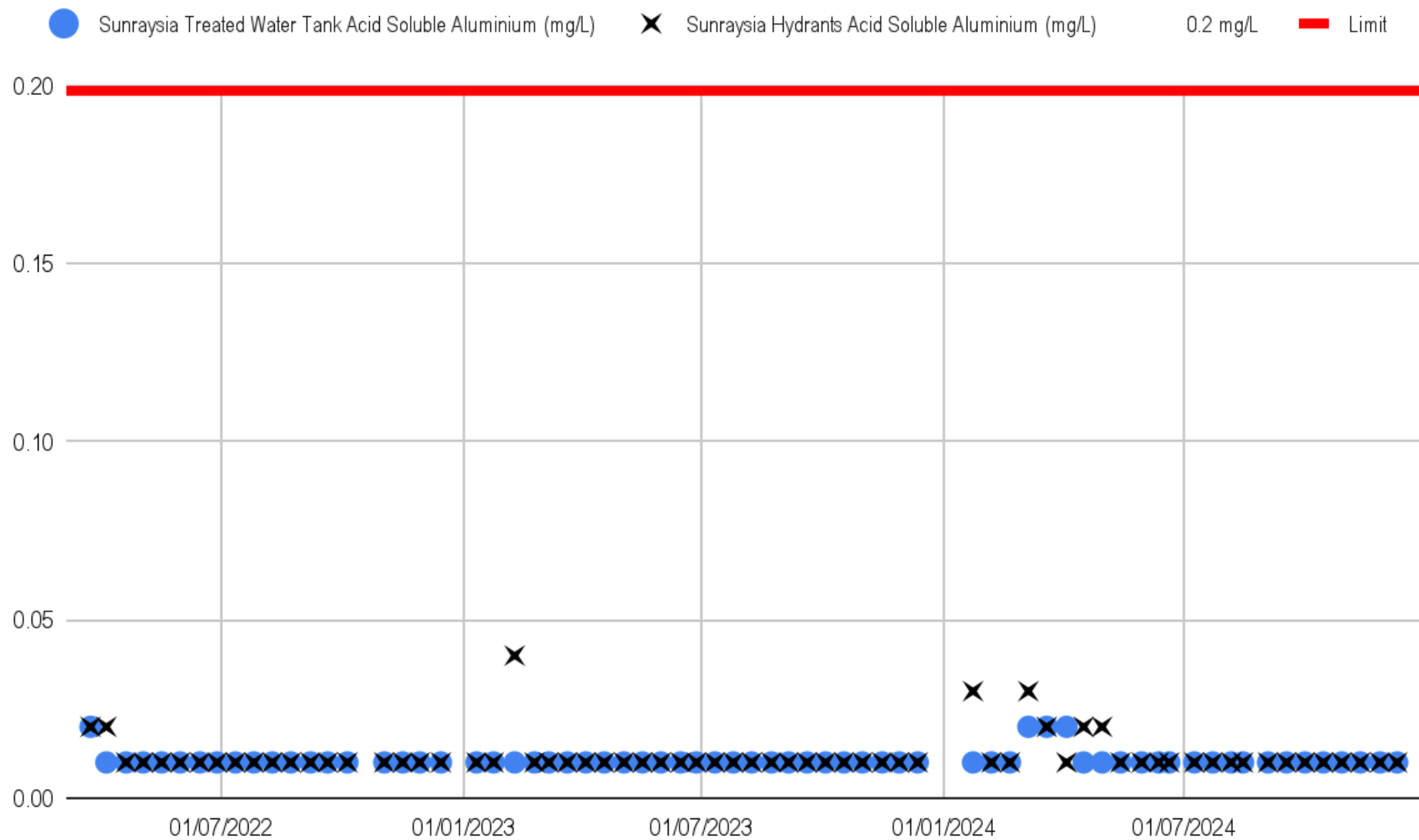


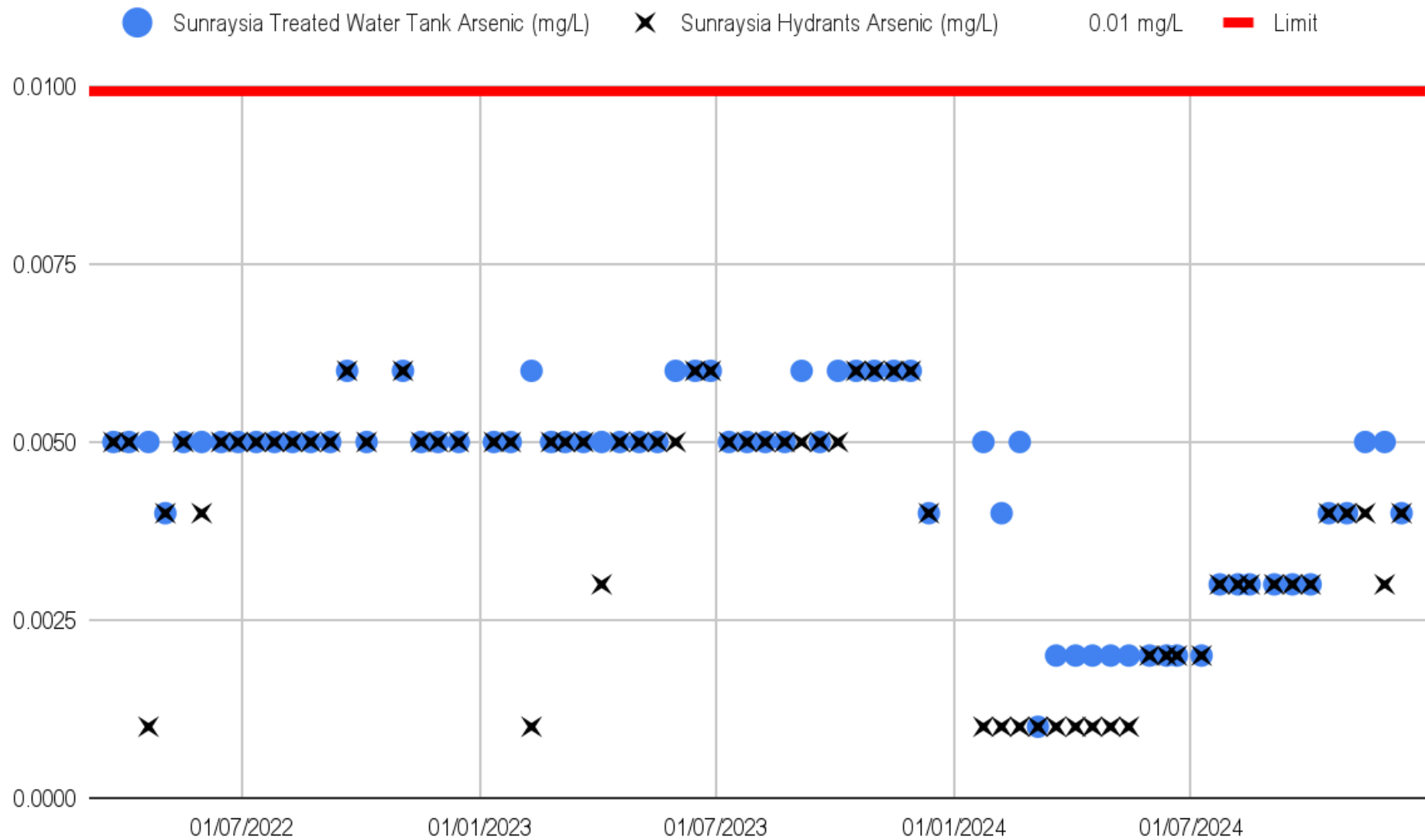
● Sunraysia Treated Water Tank Chloroacetic Acid (mg/L) ✕ Sunraysia Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L ■ Limit



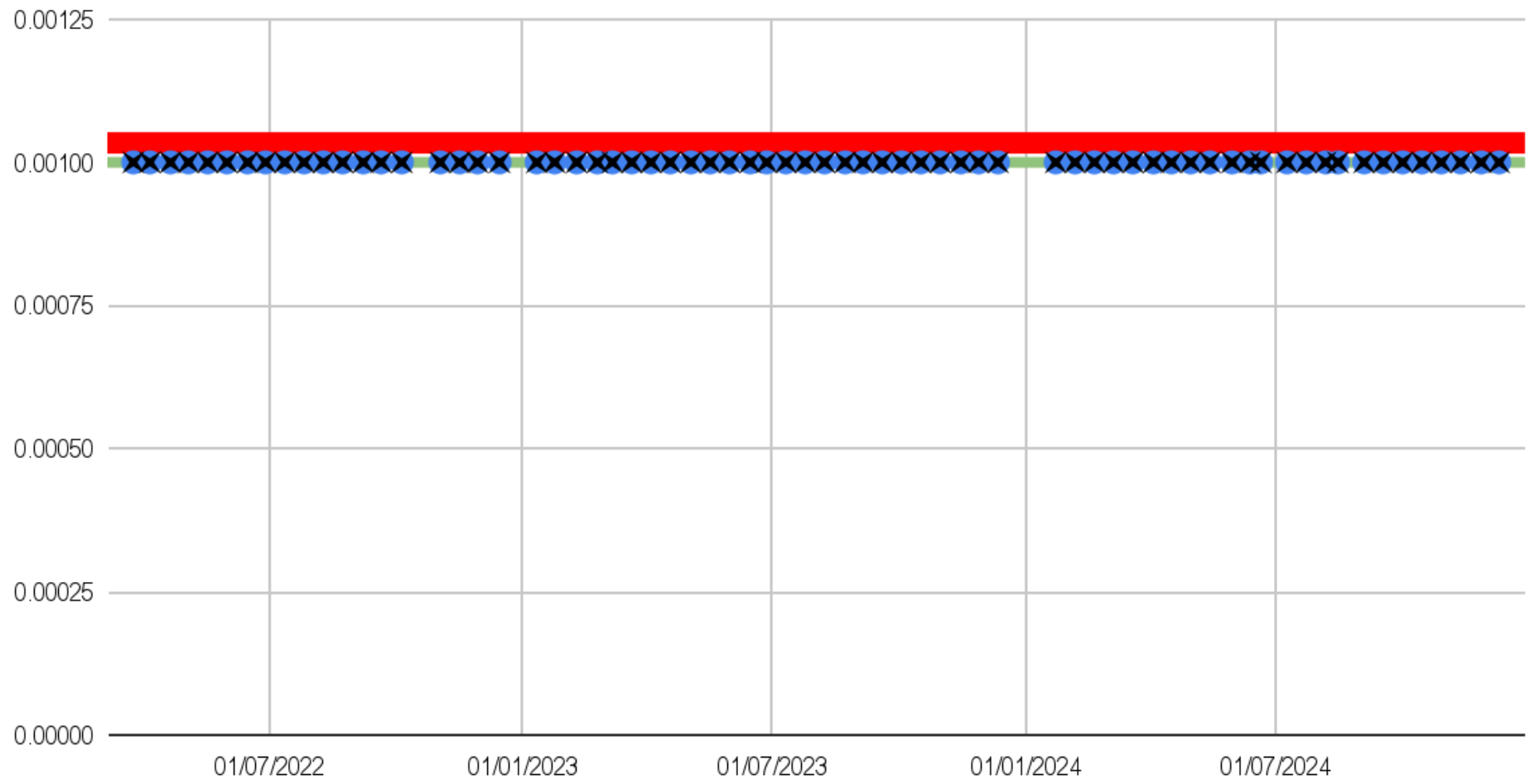


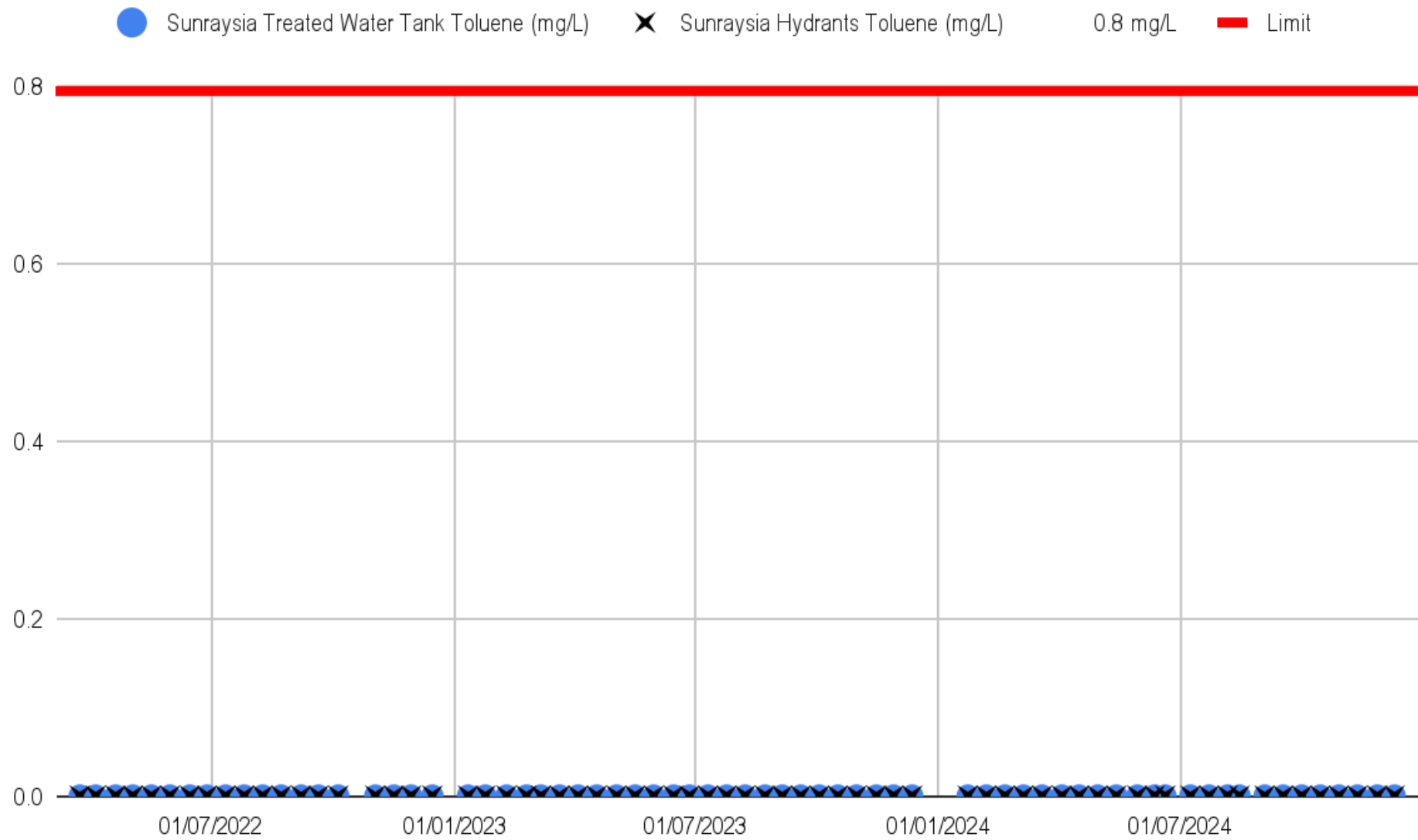


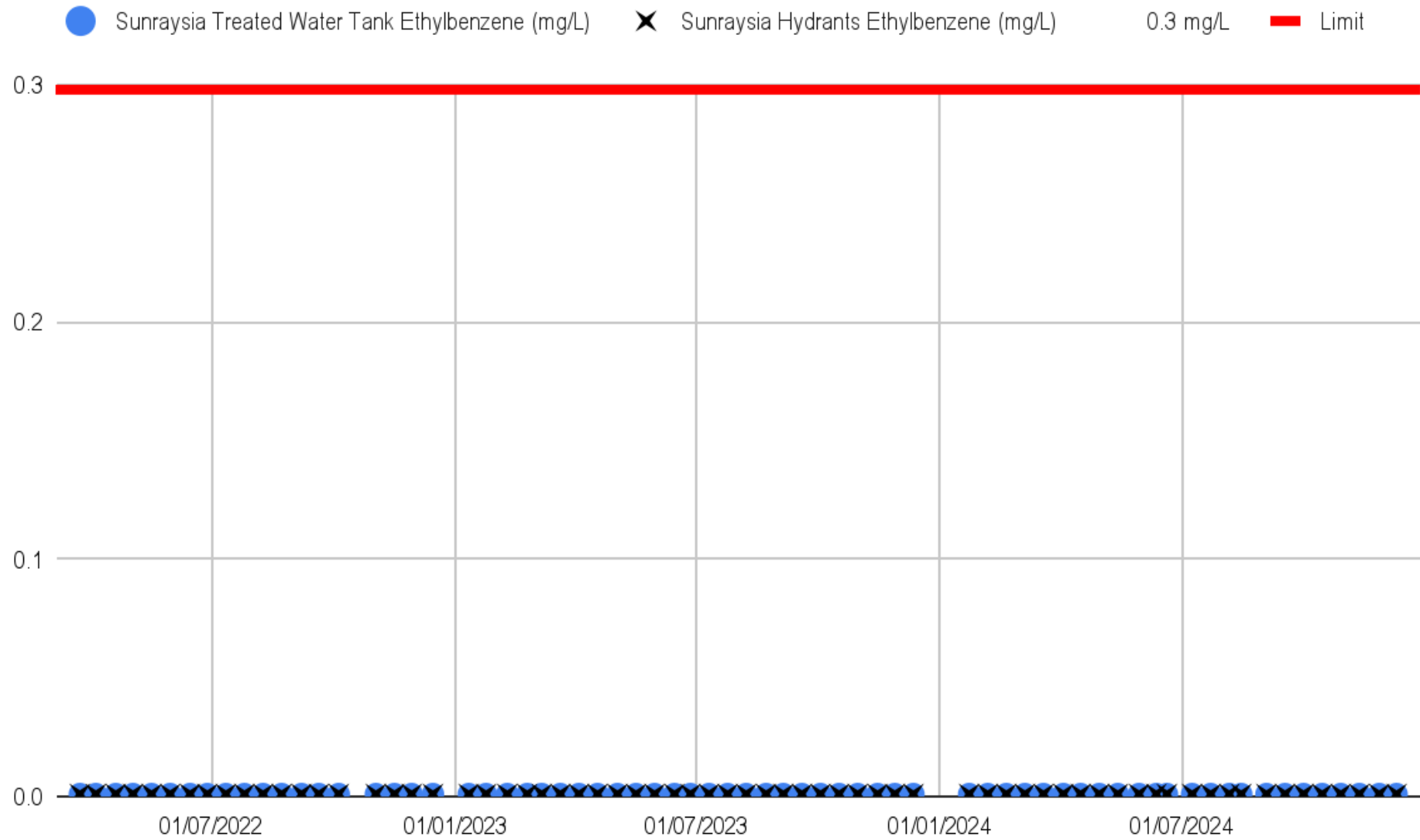


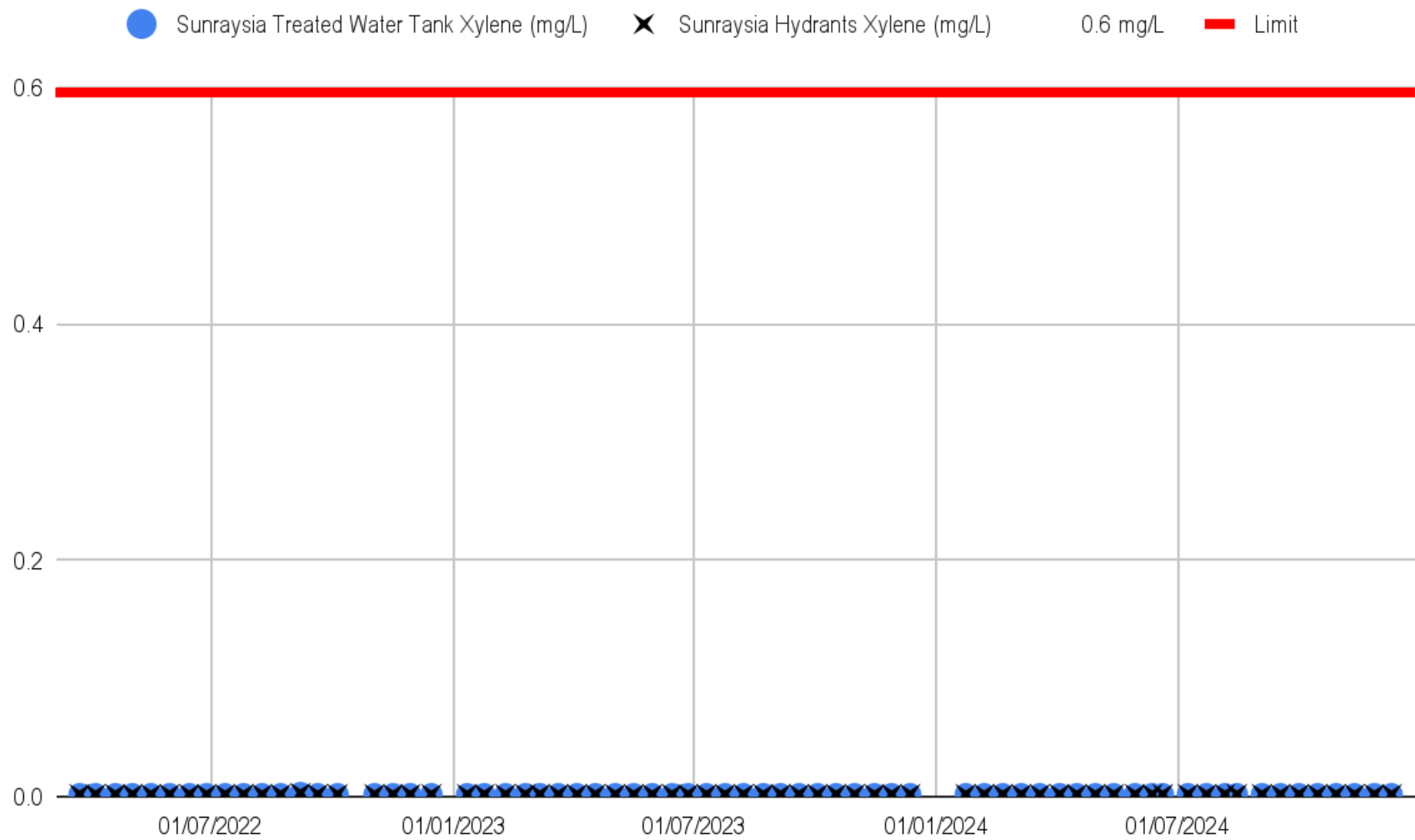


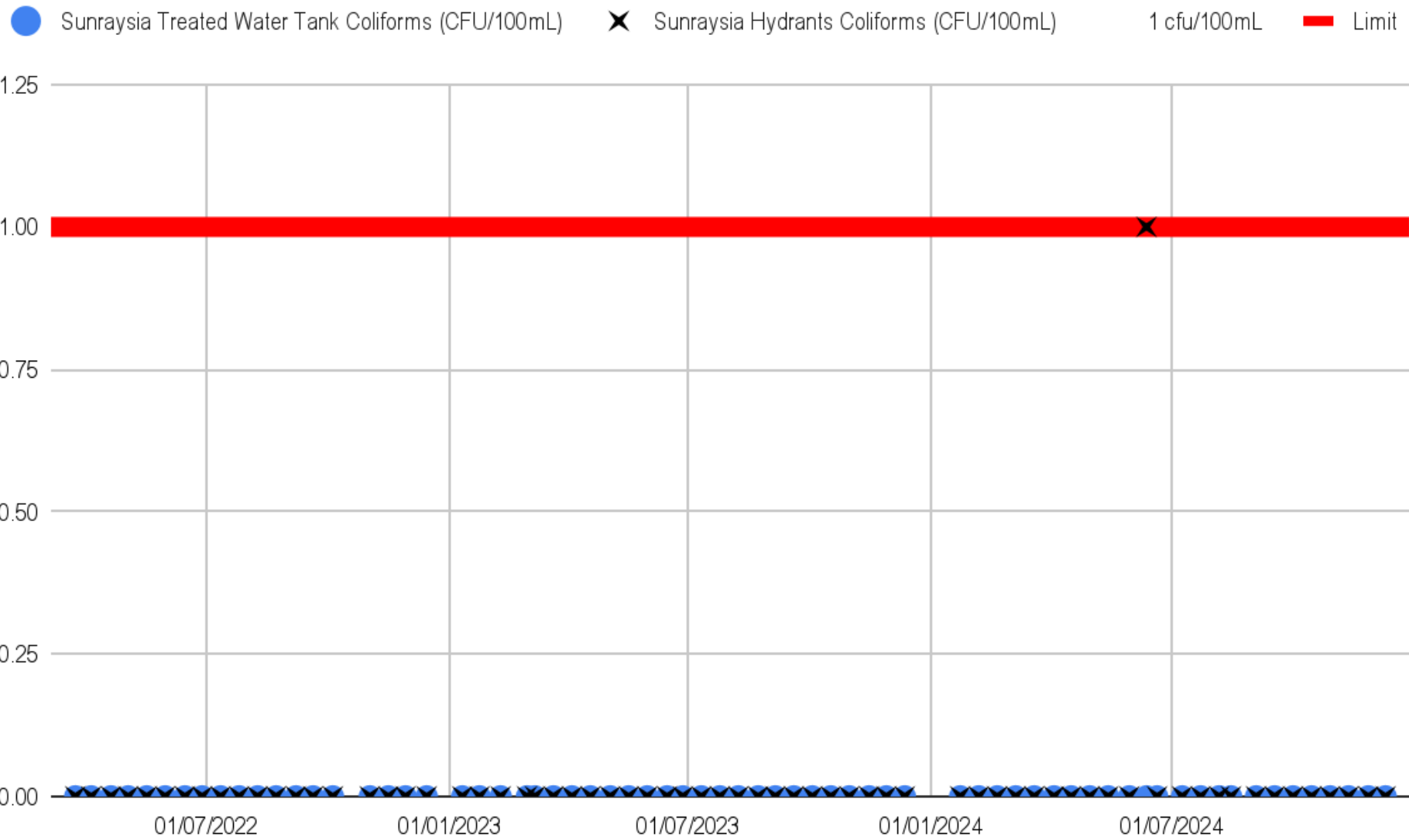
● Sunraysia Treated Water Tank Benzene (mg/L) ✕ Sunraysia Hydrants Benzene (mg/L) 0.001 mg/L ■ Limit
Non Detect Results ■



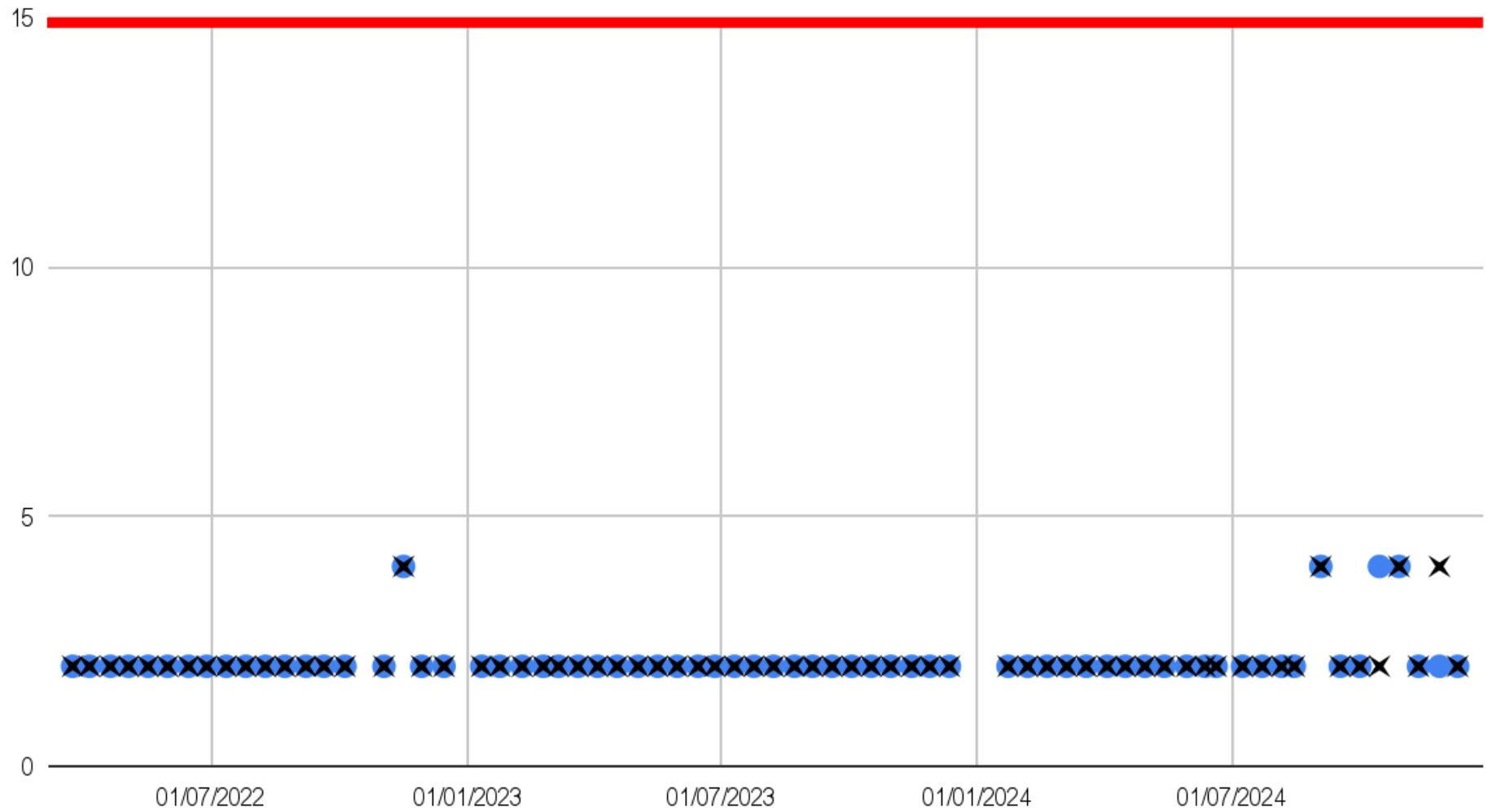


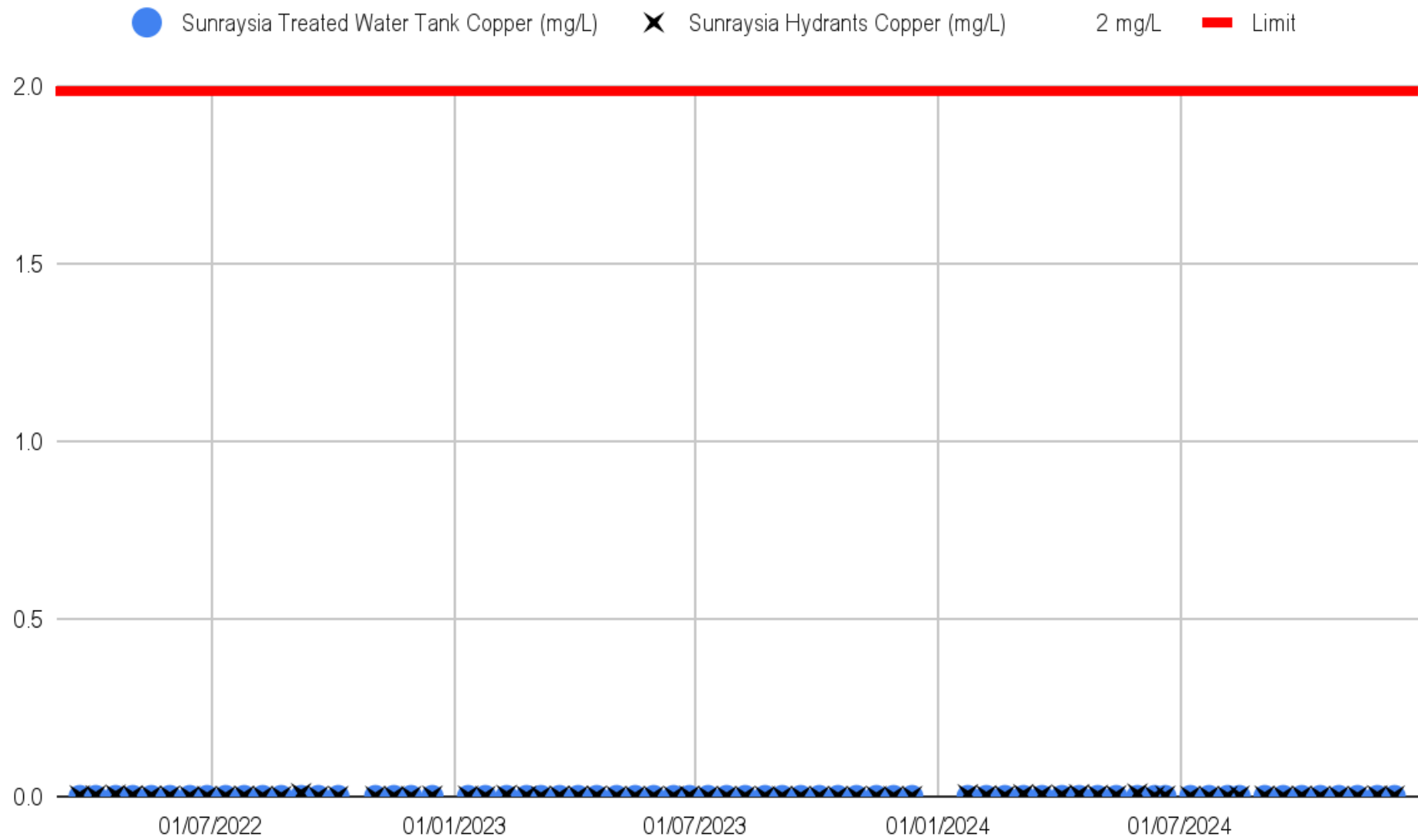




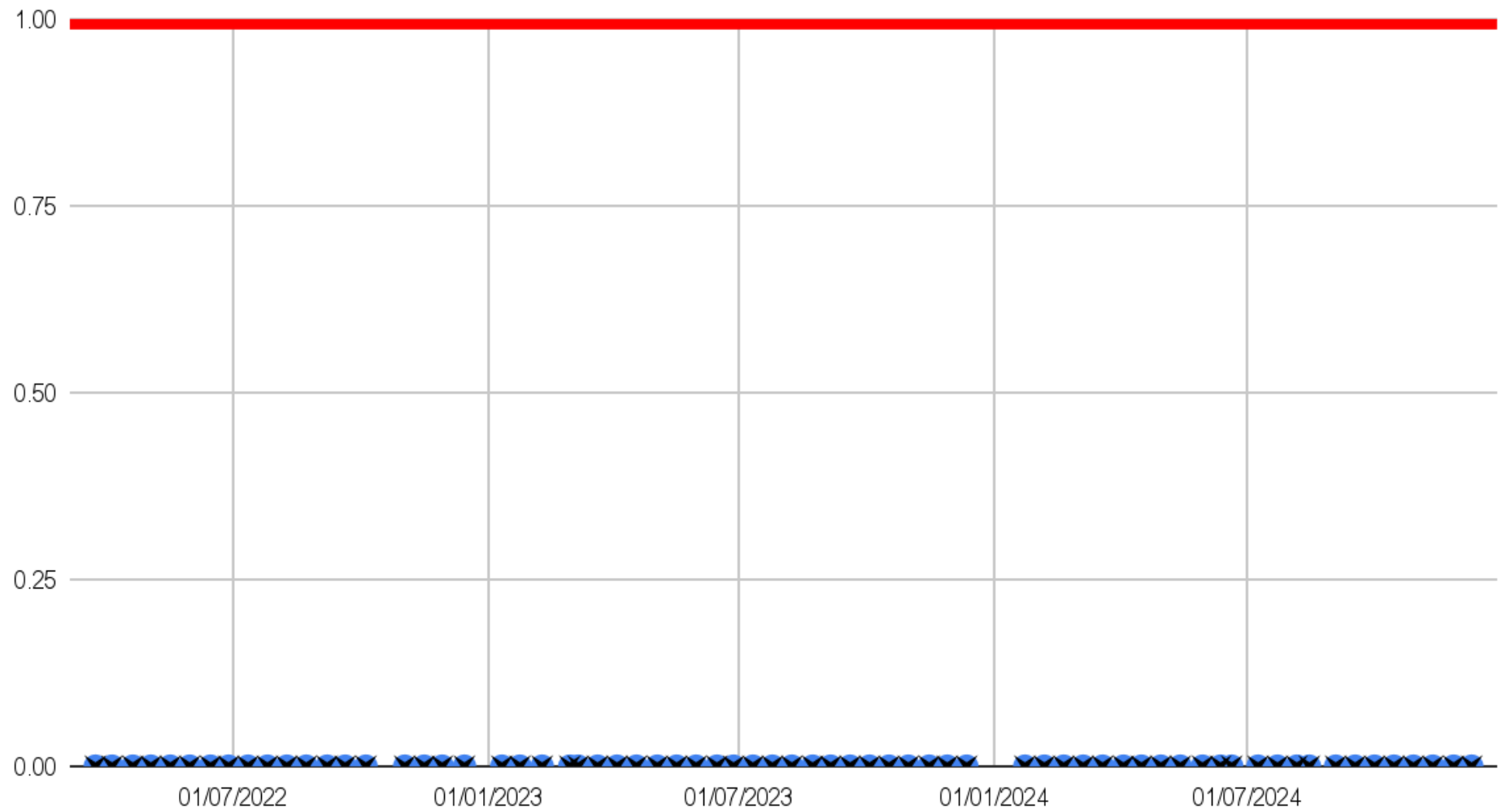


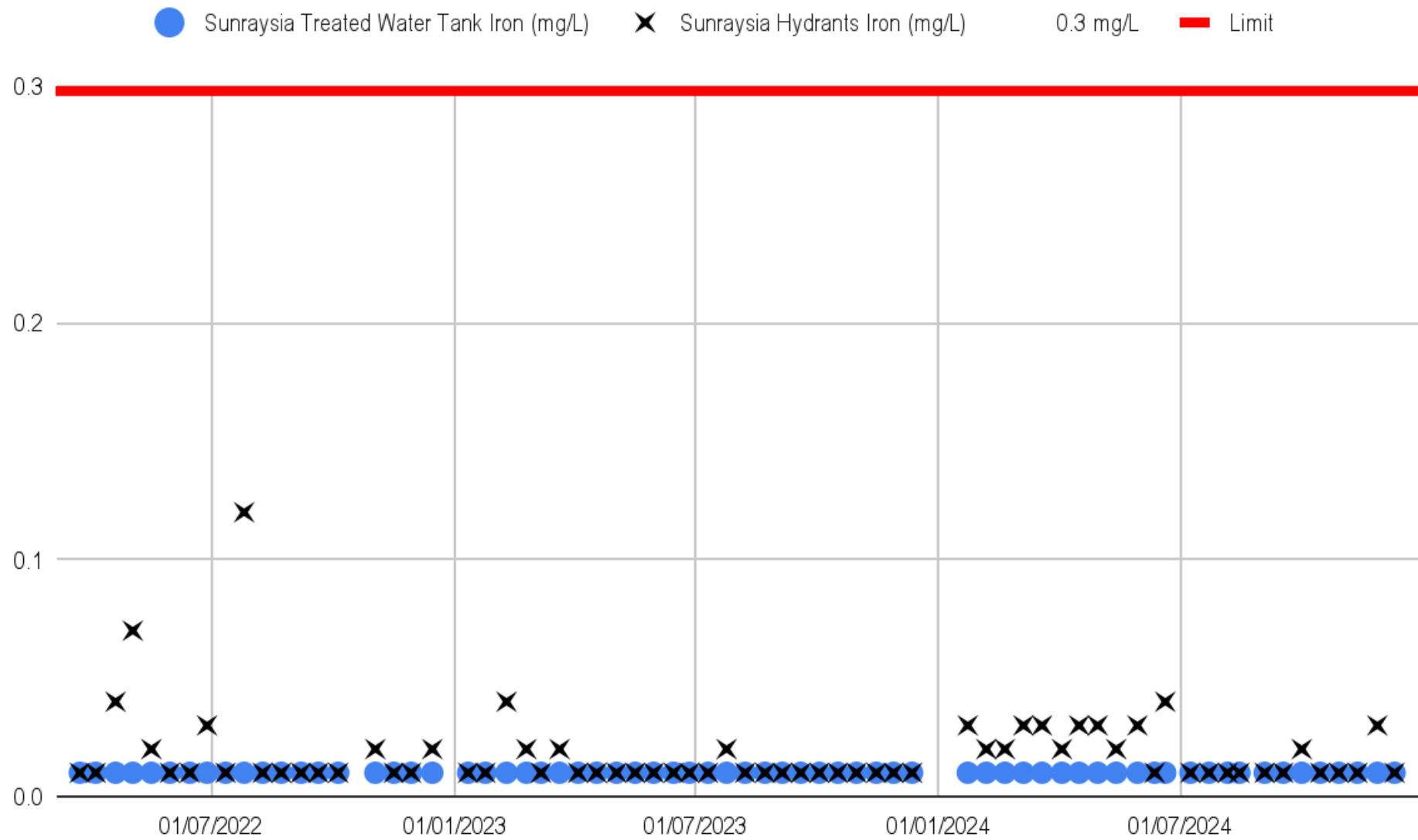
● Sunraysia Treated Water Tank Colour (Pt/Co) ✕ Sunraysia Hydrants Colour (Pt/Co) 15 Pt/Co — Limit

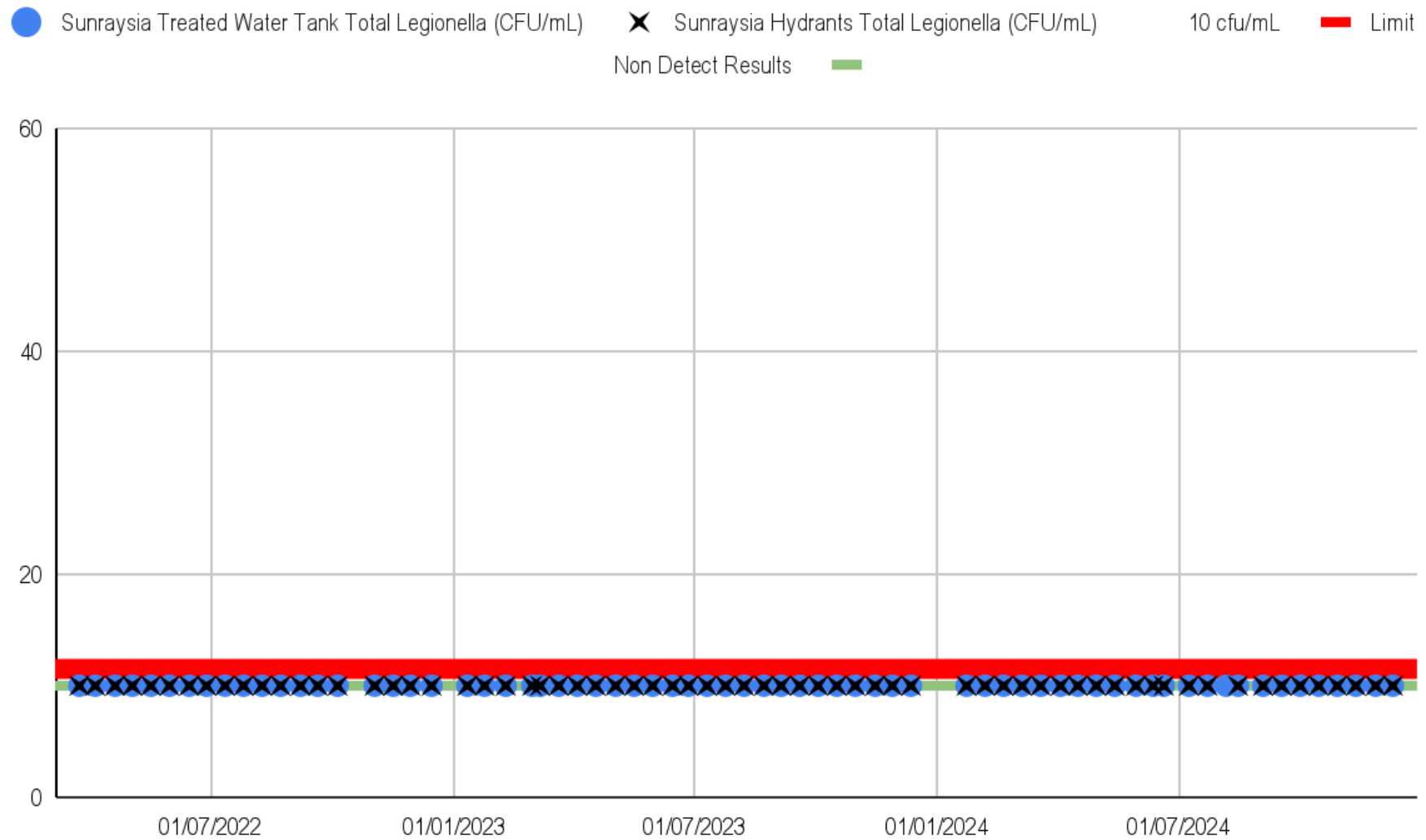




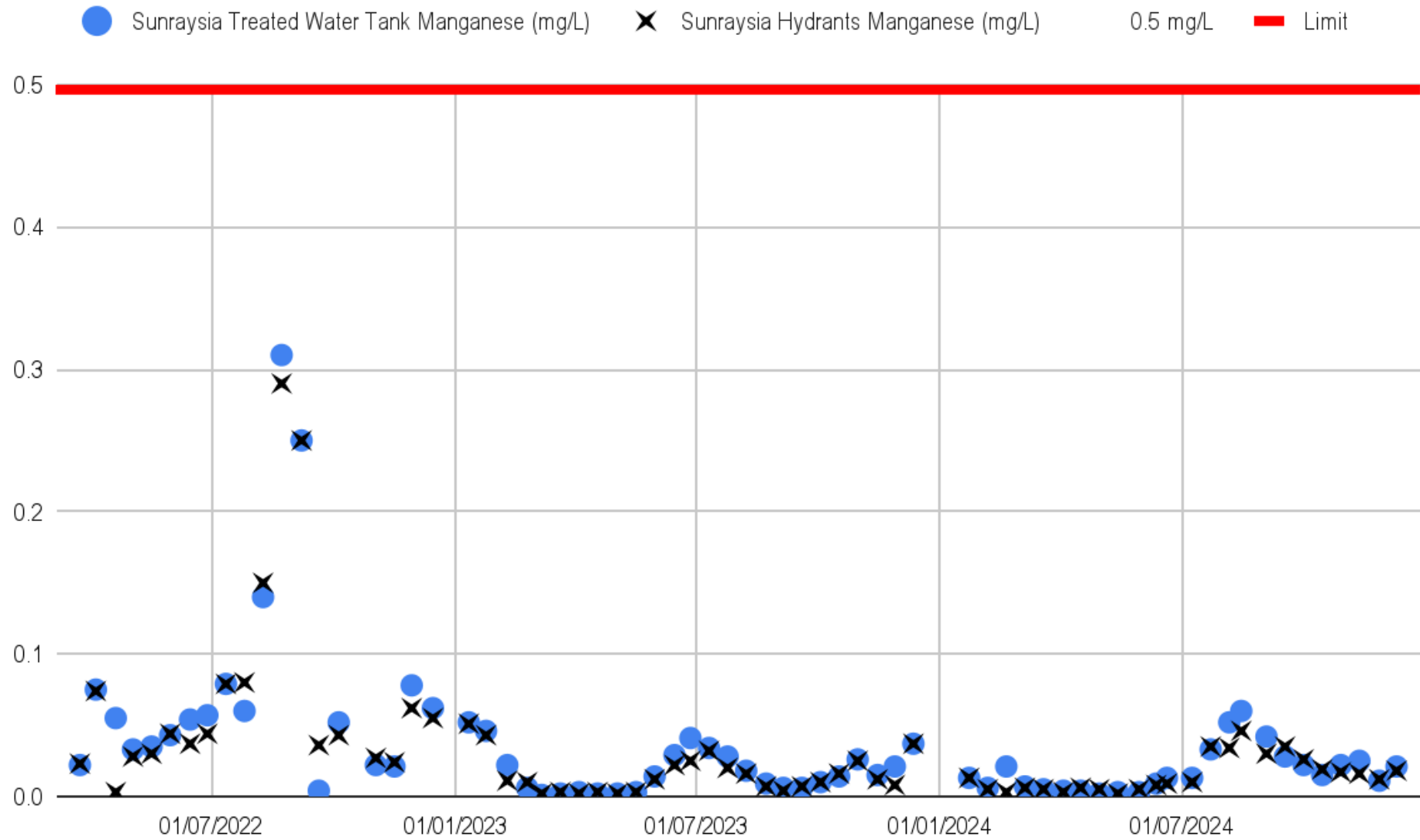
● Sunraysia Treated Water Tank E.coli (CFU/100mL) ✕ Sunraysia Hydrants E.coli (CFU/100mL) 1 cfu/100mL ■ Limit

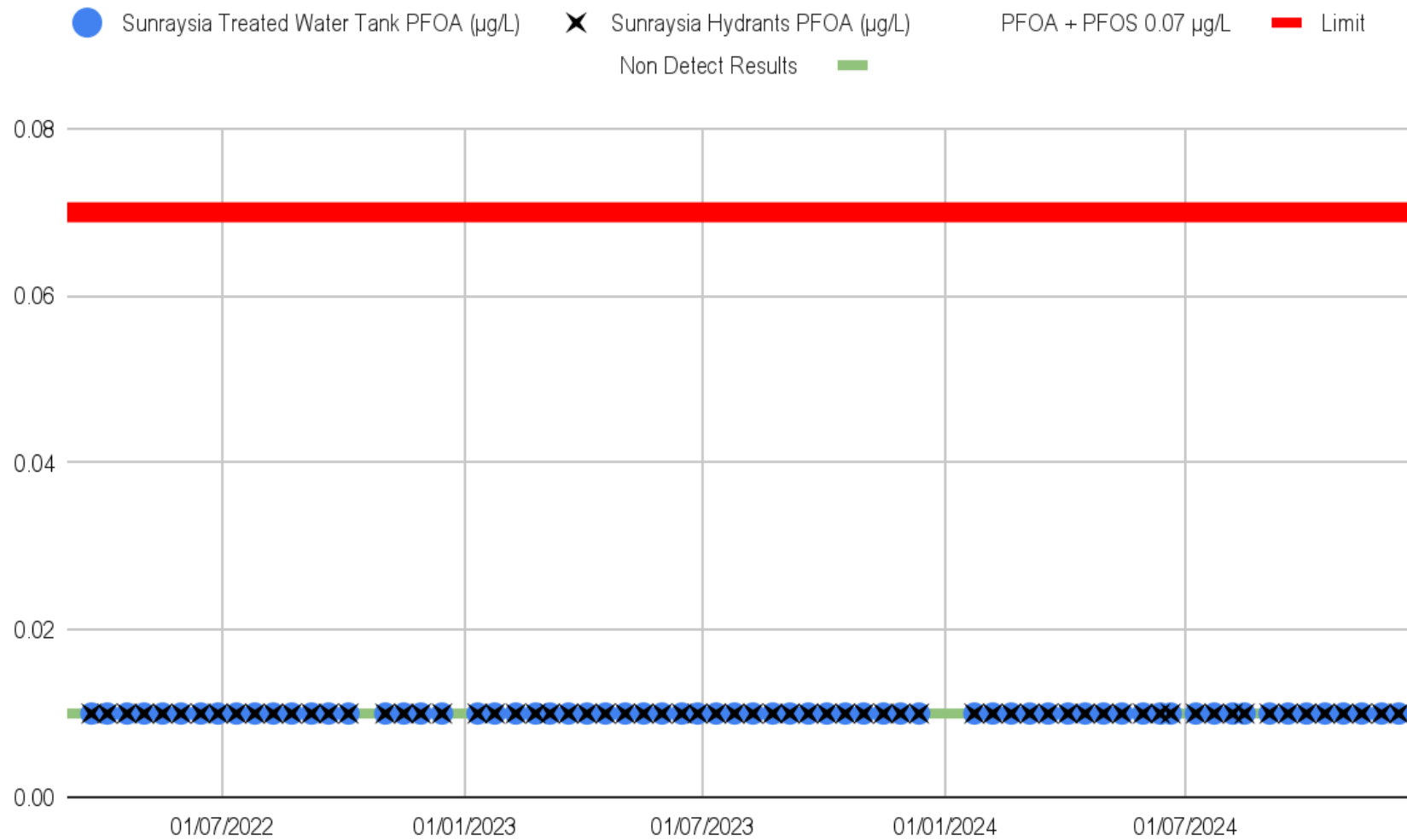




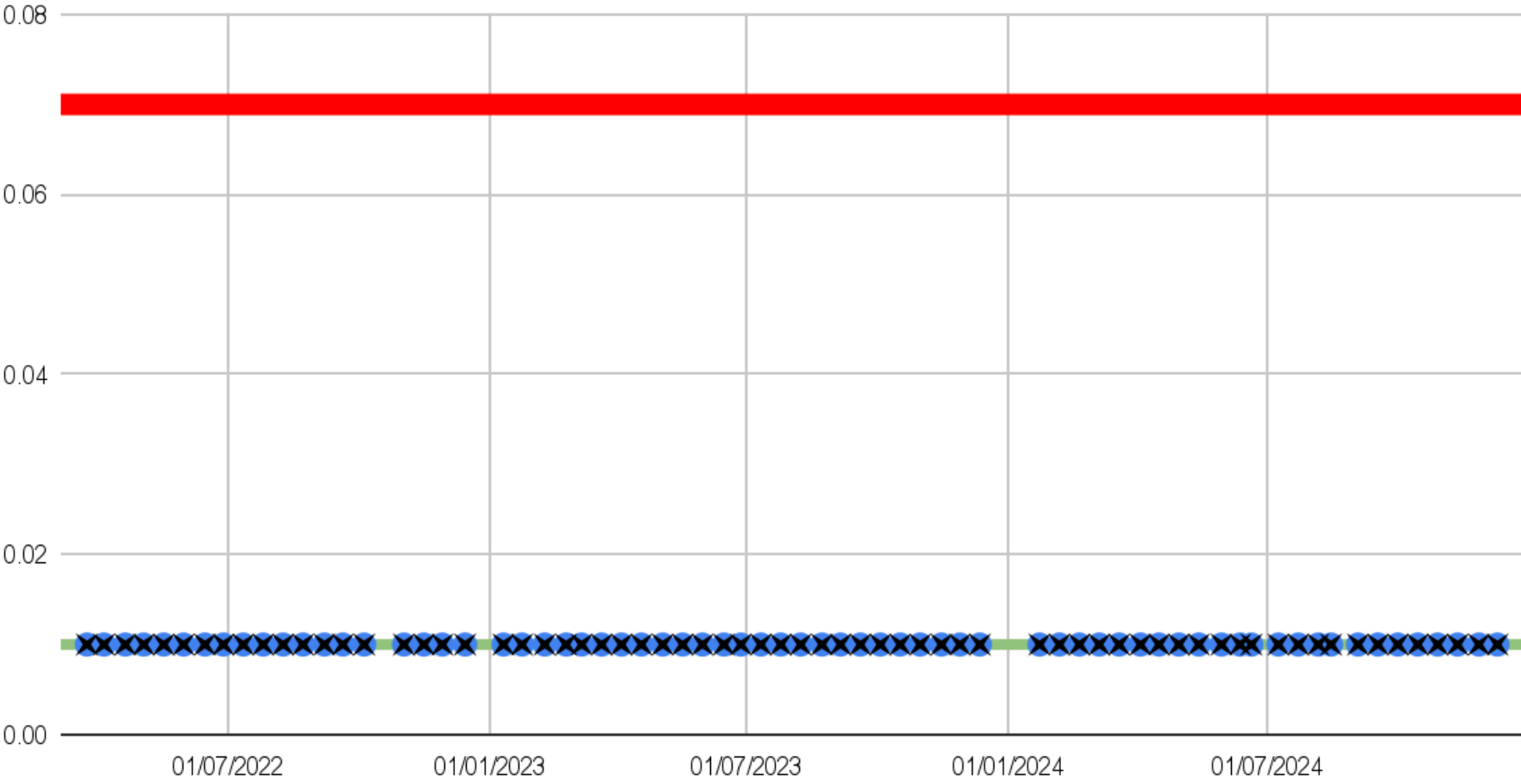


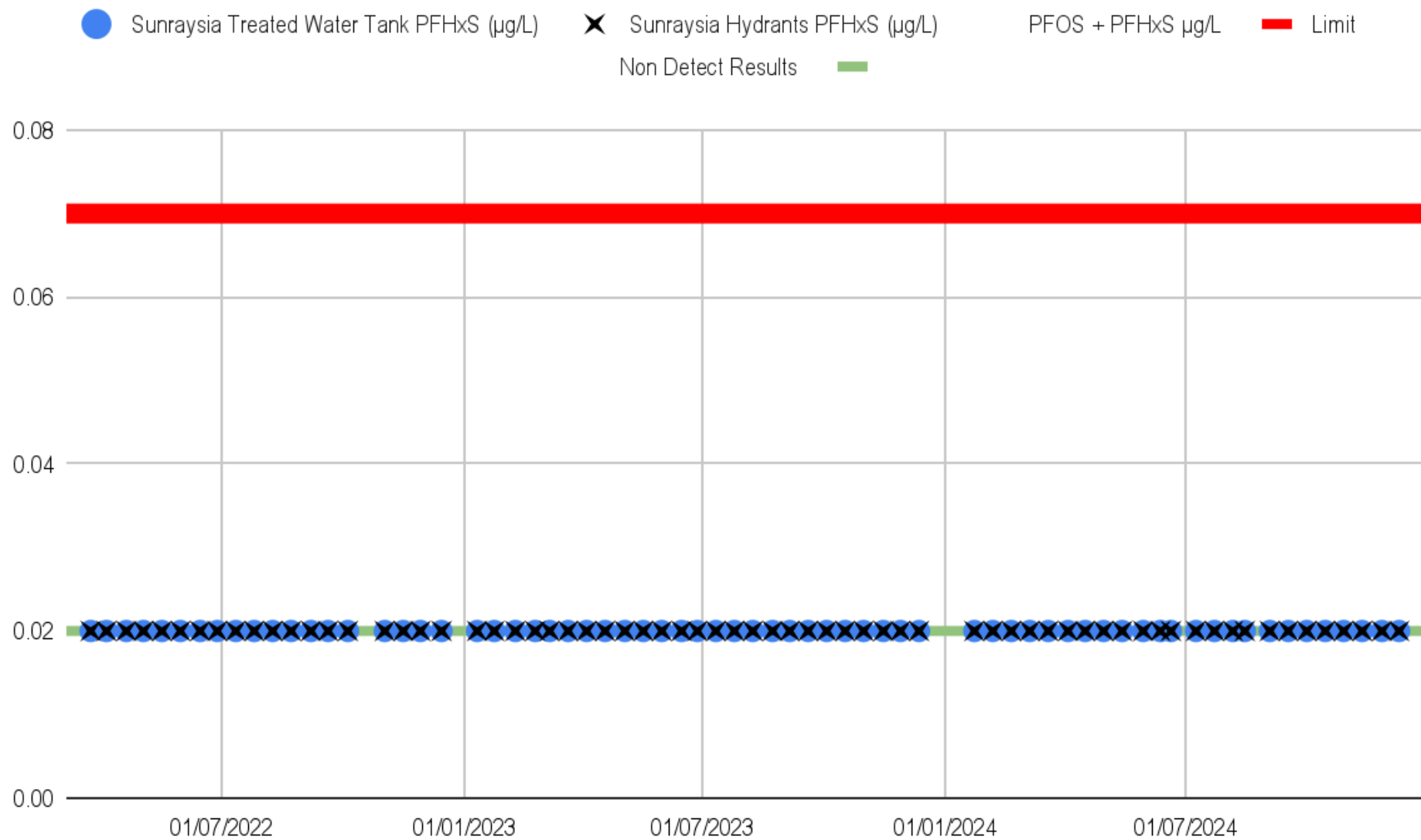
*Hydrant Composite sample taken on 06/08/2024 (500CFU/mL) excluded from chart

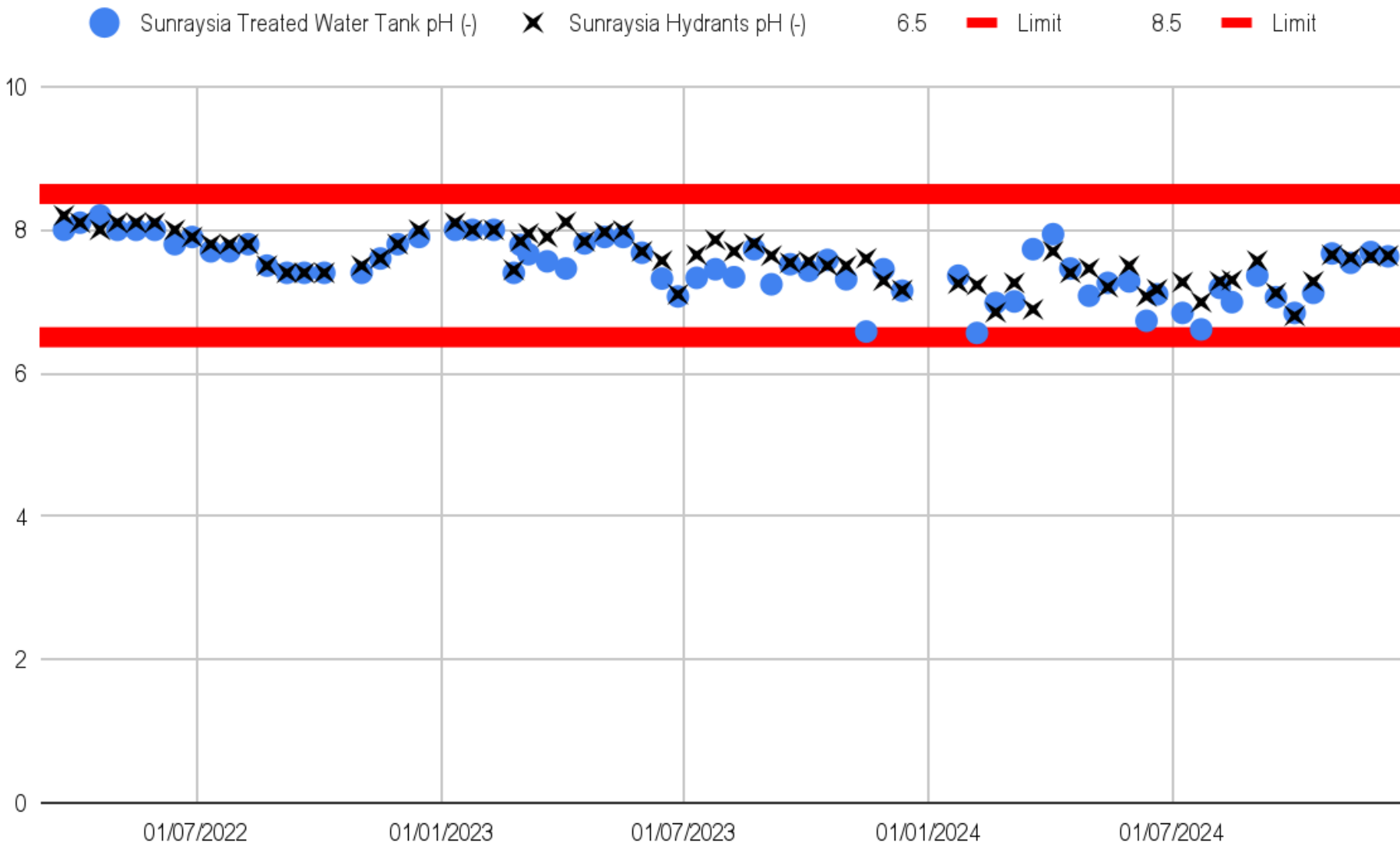


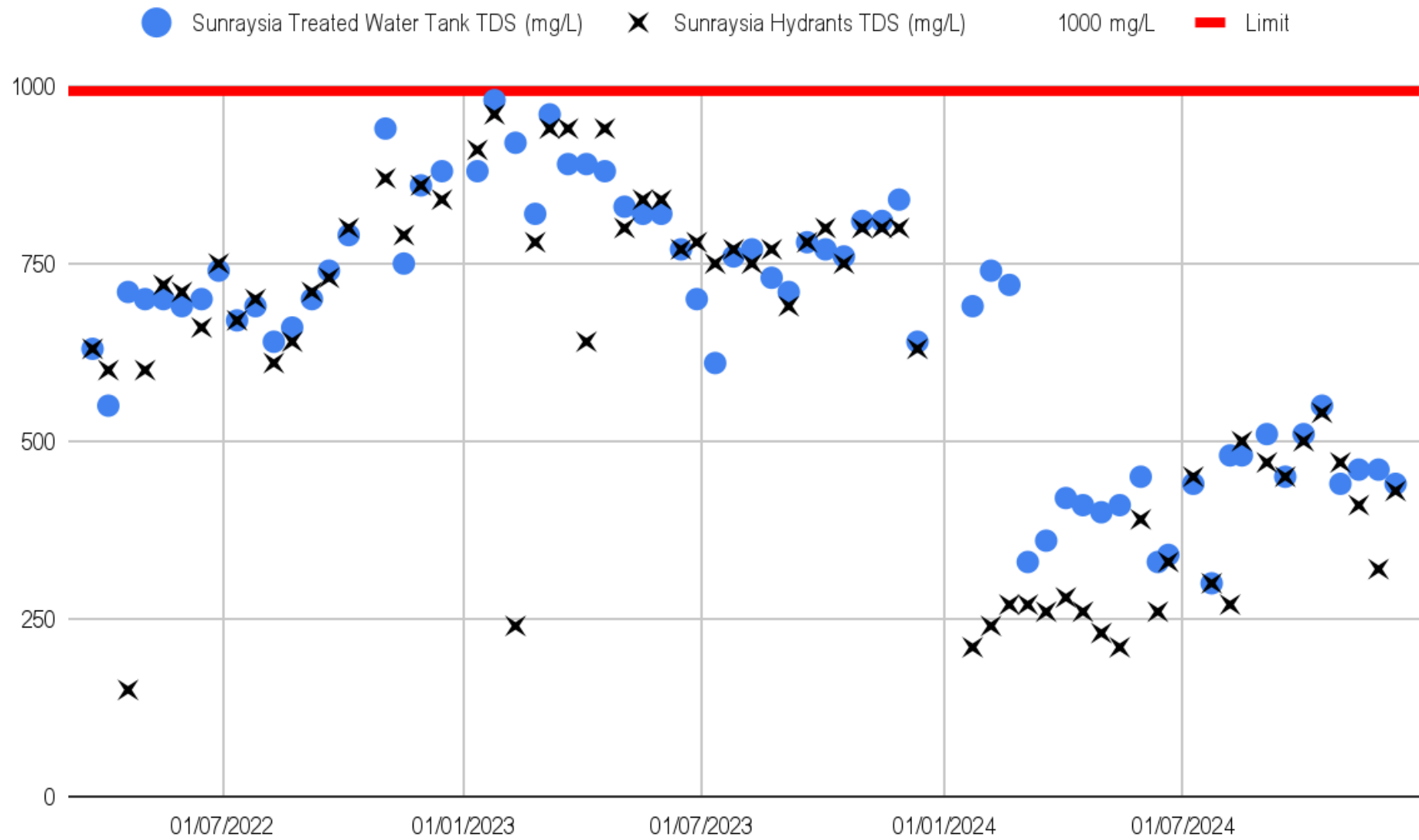


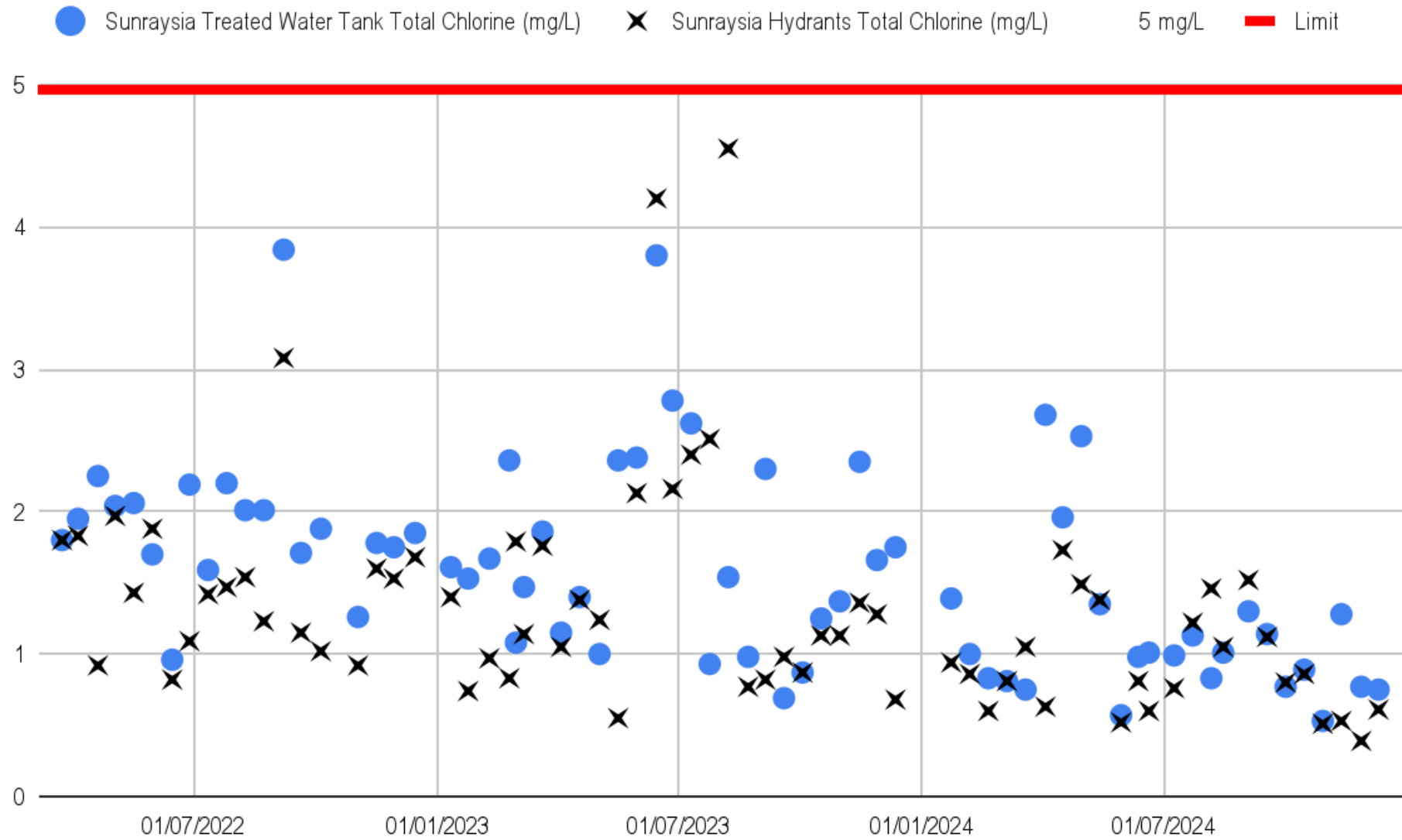
● Sunraysia Treated Water Tank PFOS (µg/L) ✕ Sunraysia Hydrants PFOS (µg/L) PFOA + PFOS 0.07 µg/L ■ Limit
Non Detect Results ■

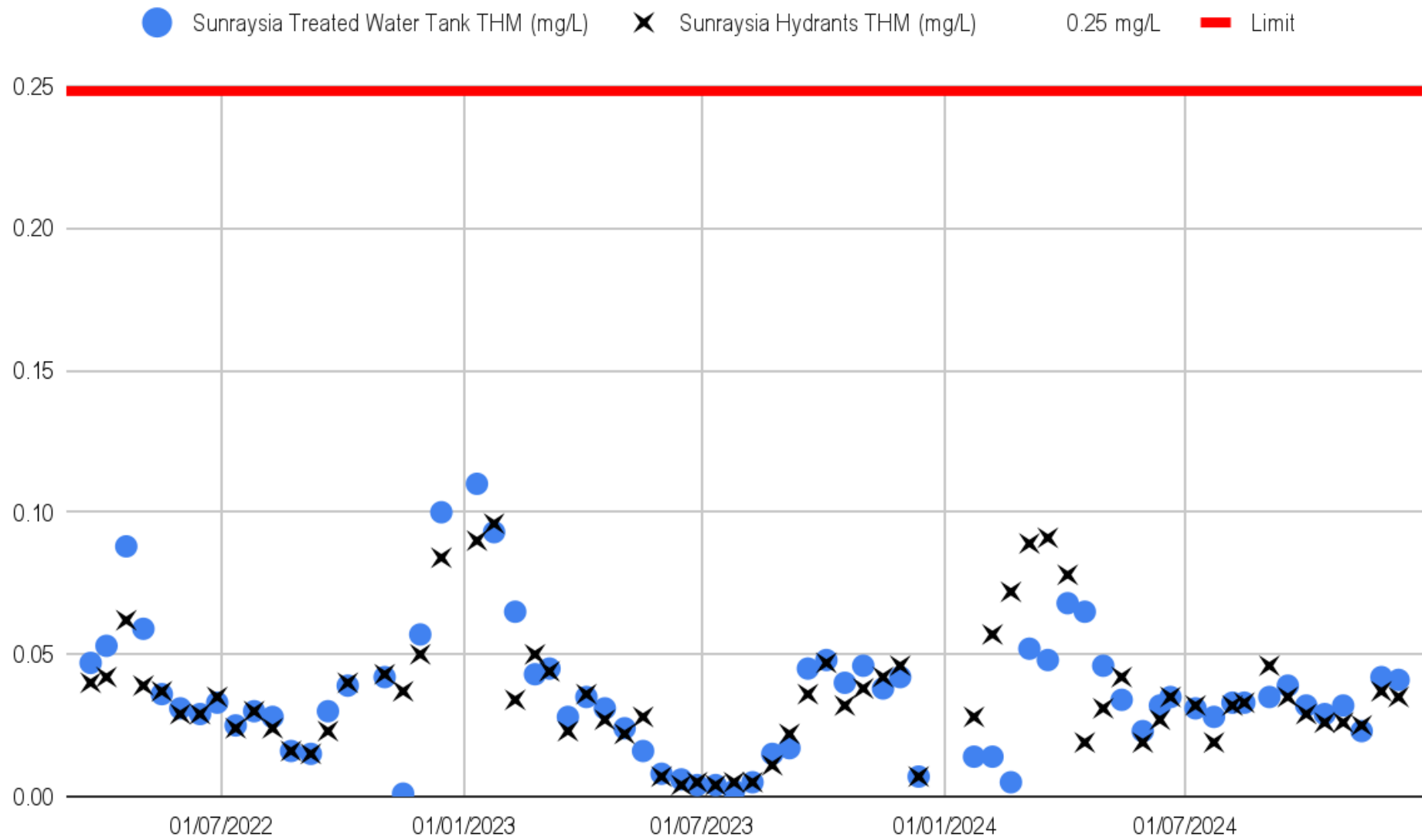


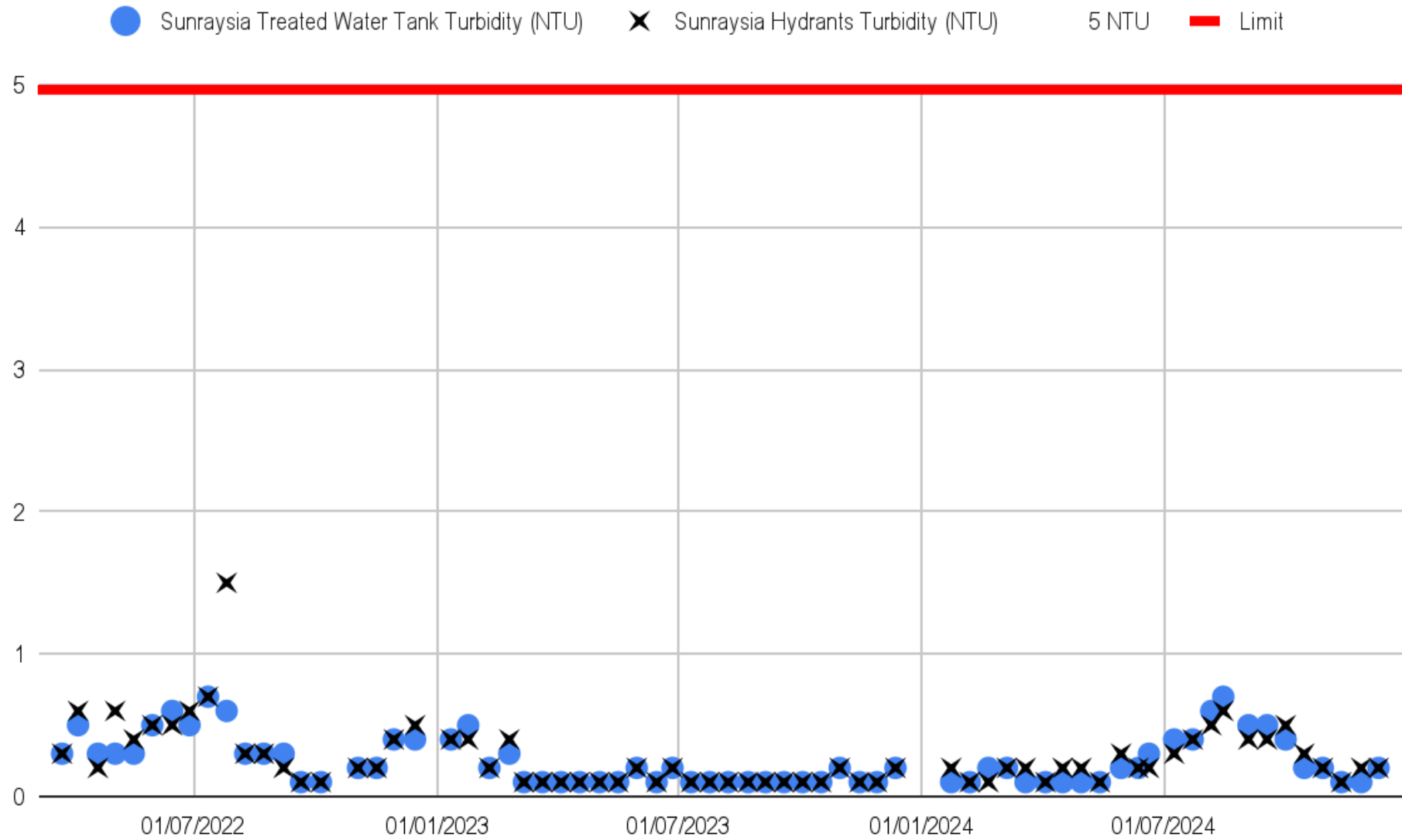




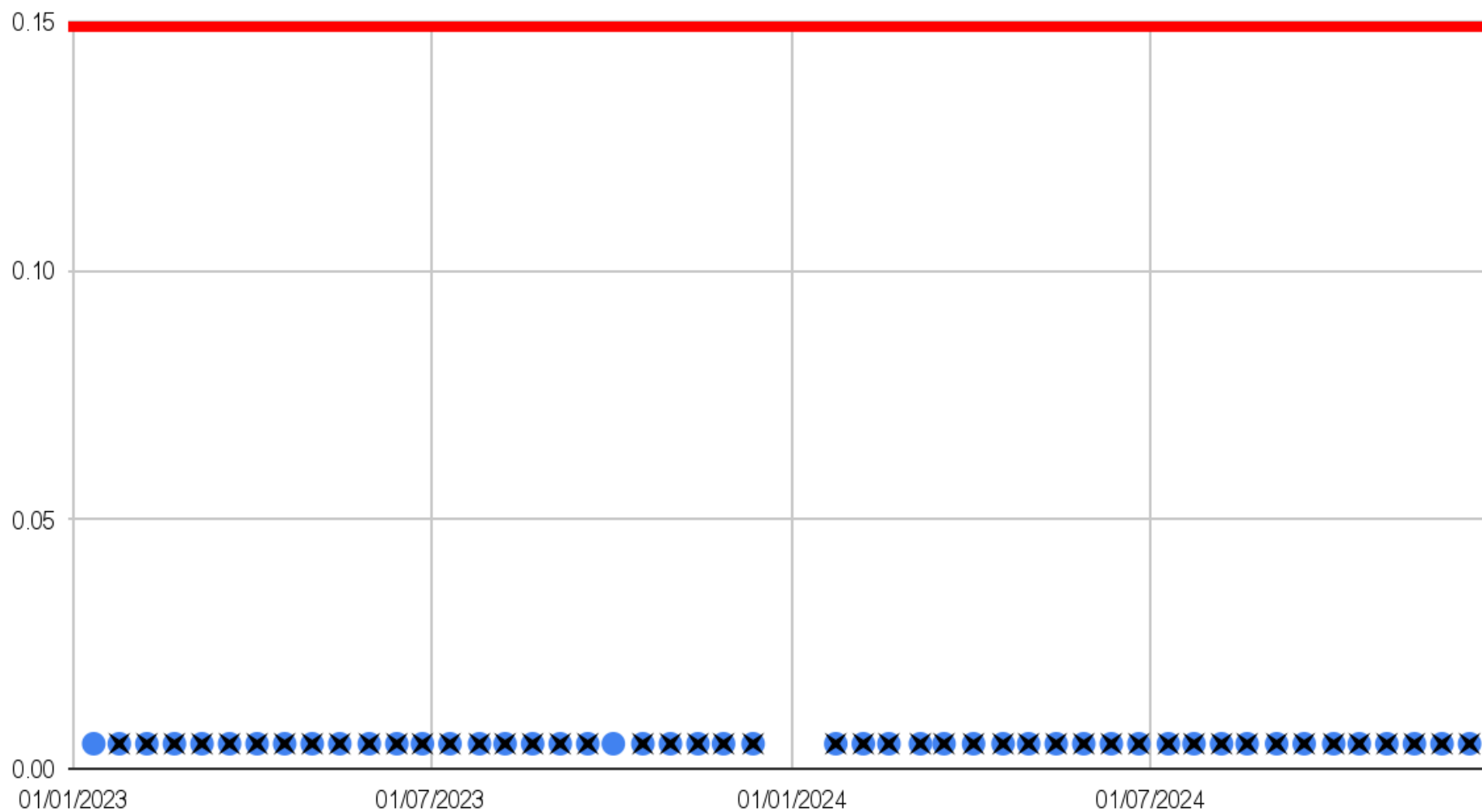


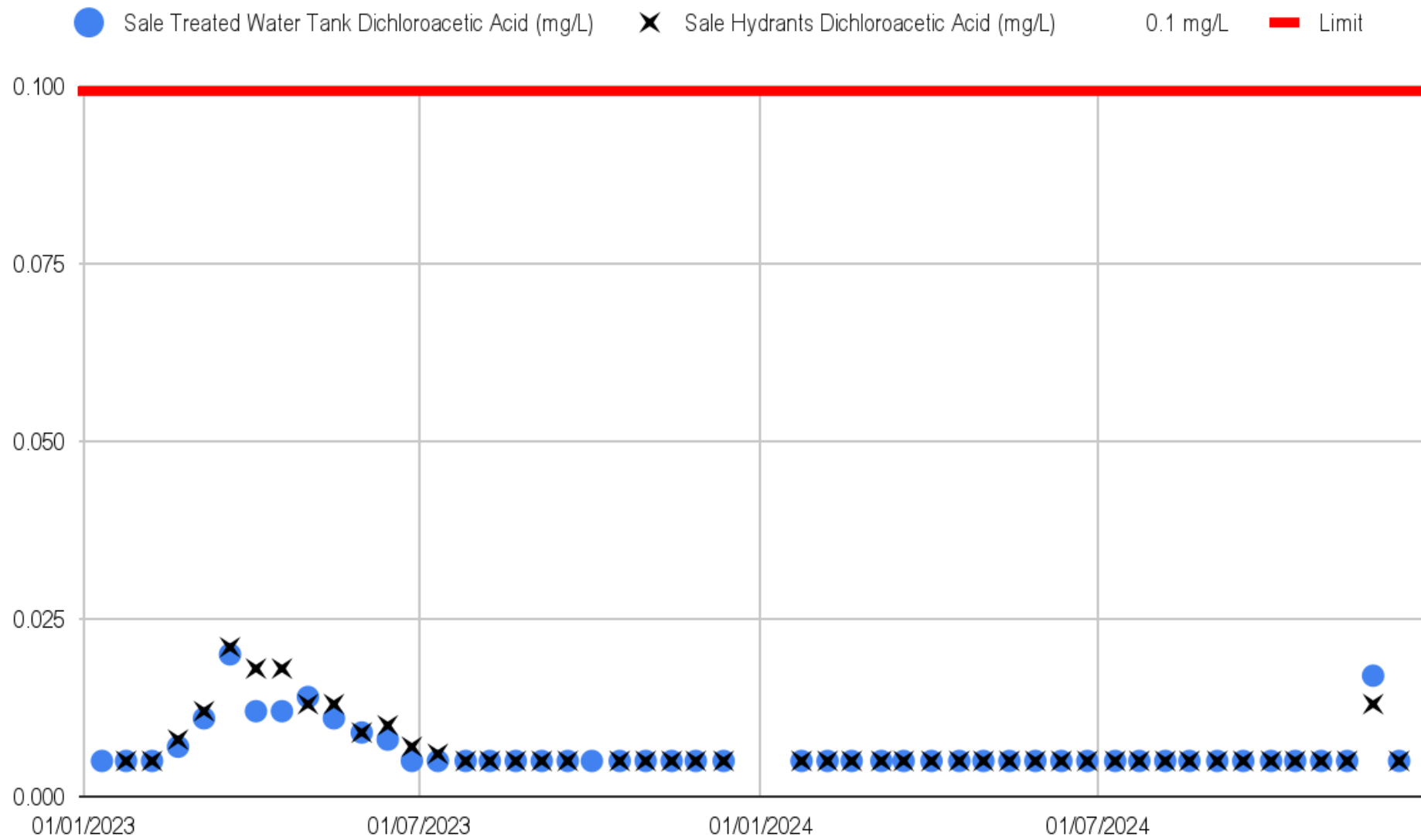




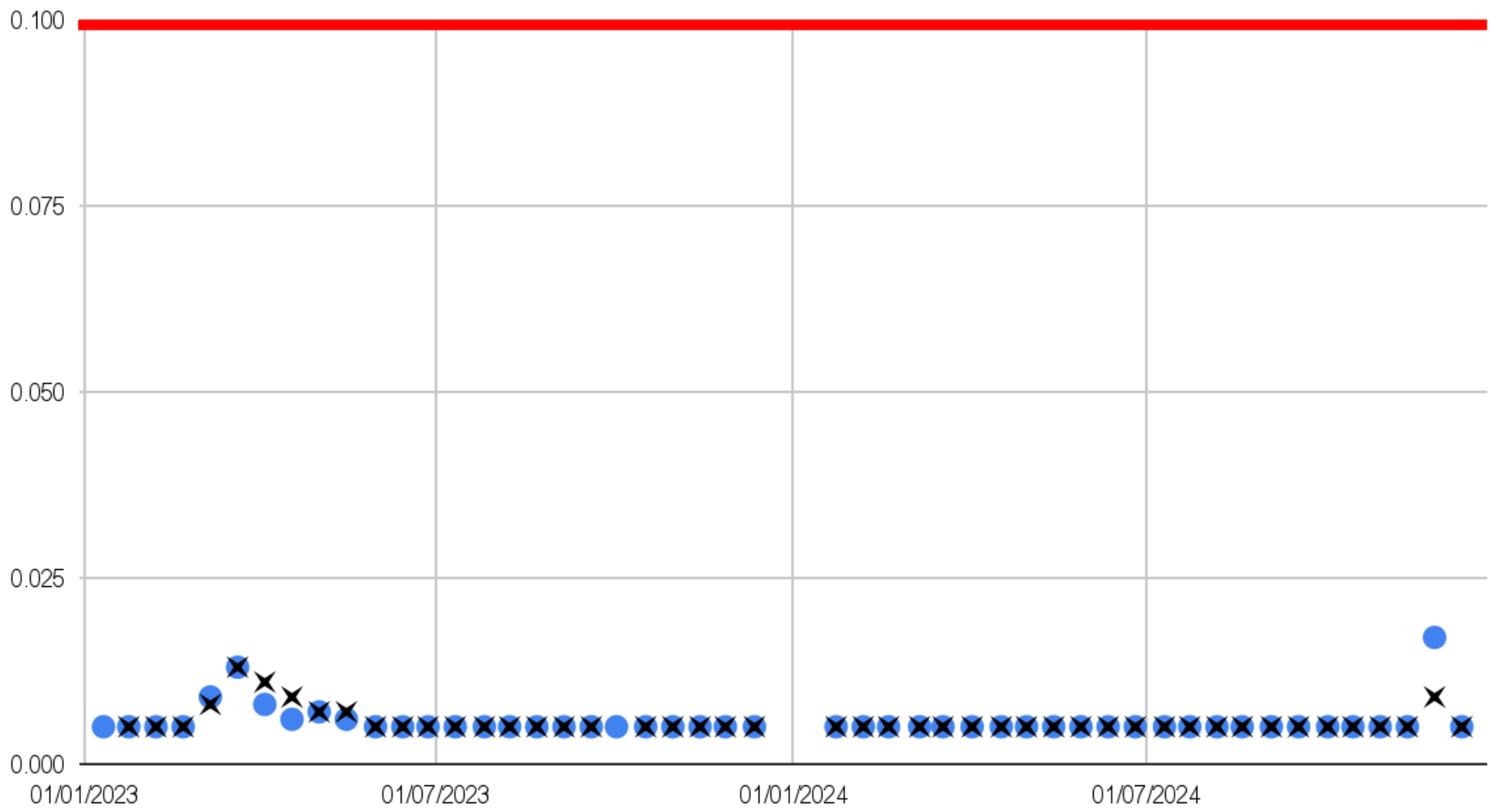


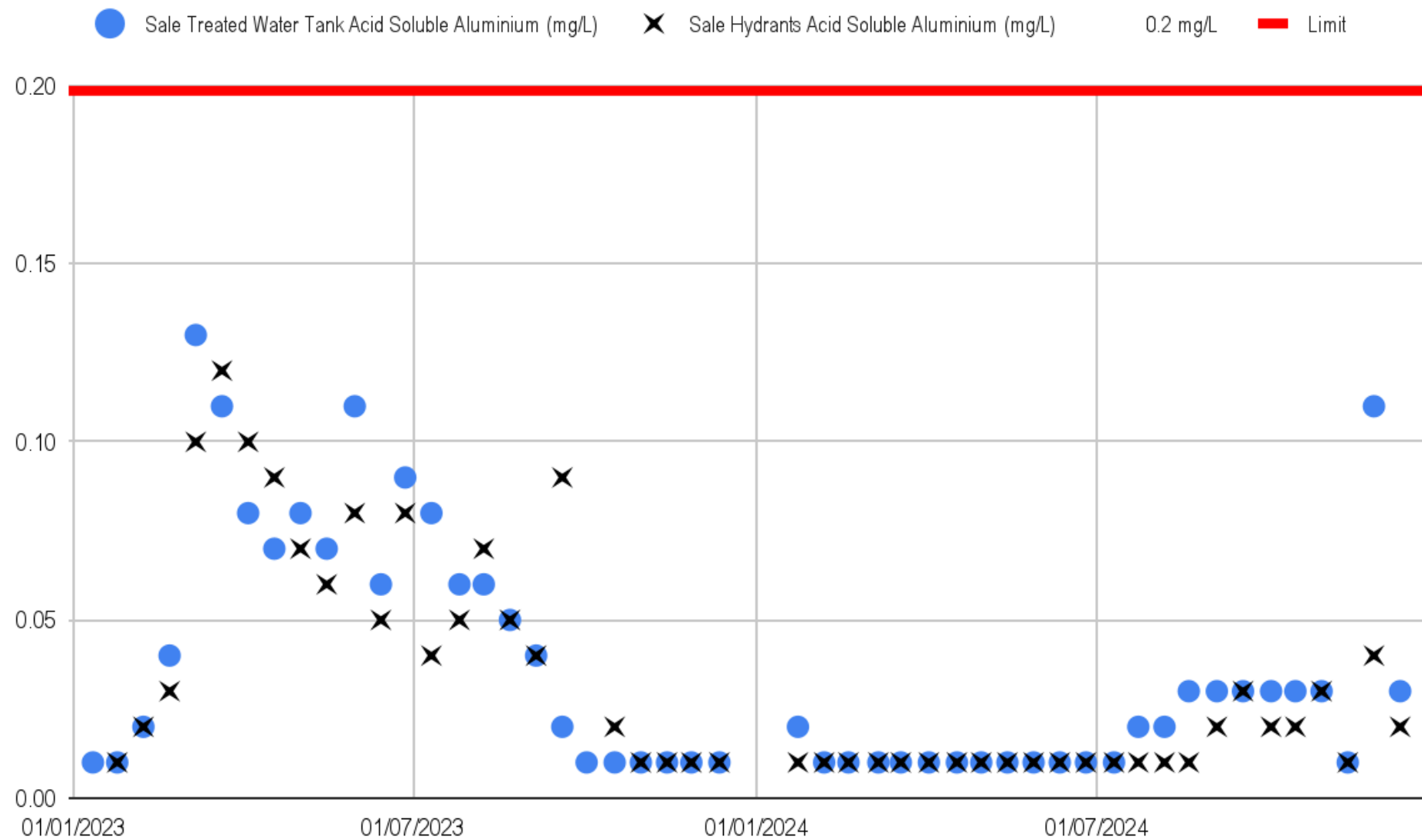
● Sale Treated Water Tank Chloroacetic Acid (mg/L) ✕ Sale Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L — Limit

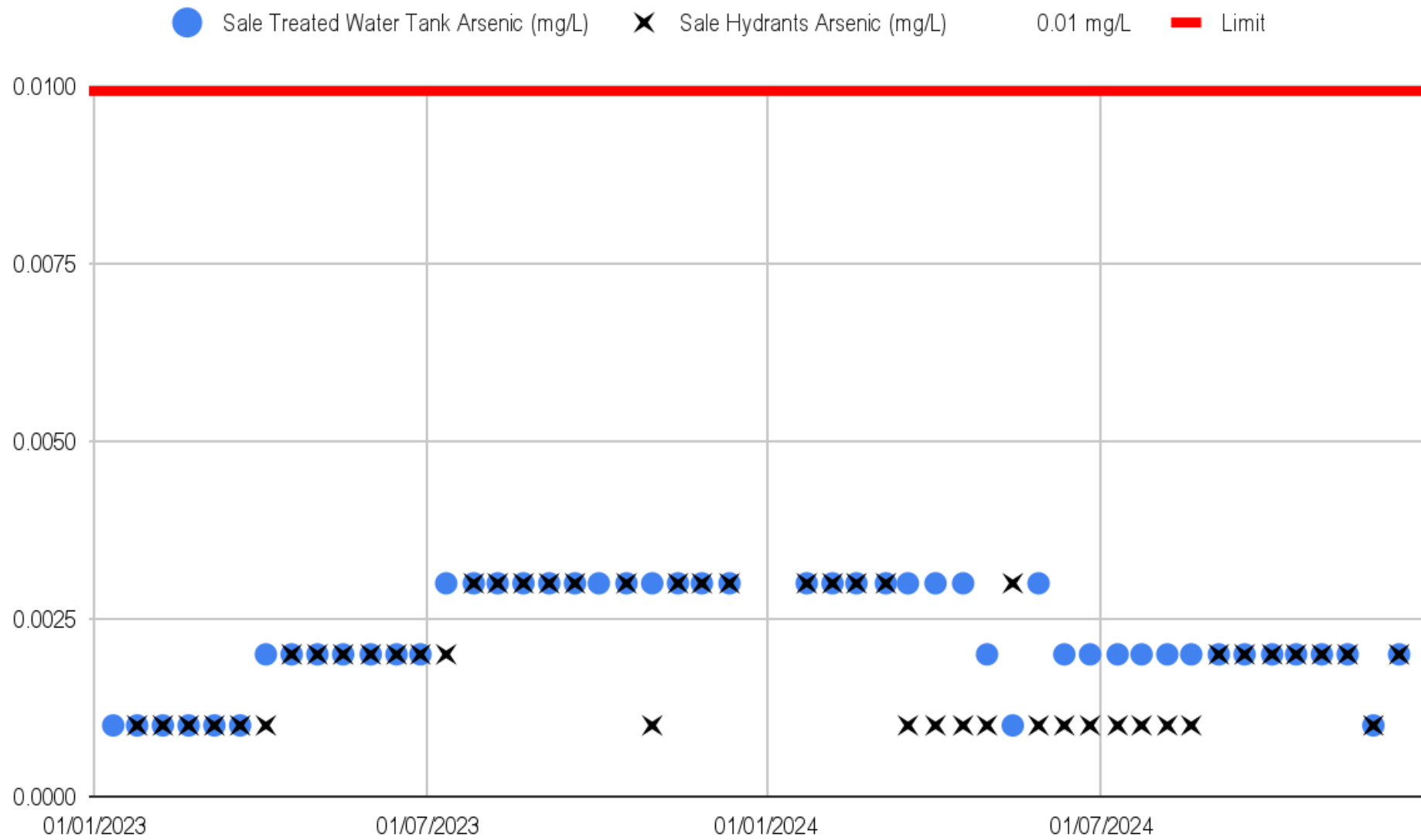




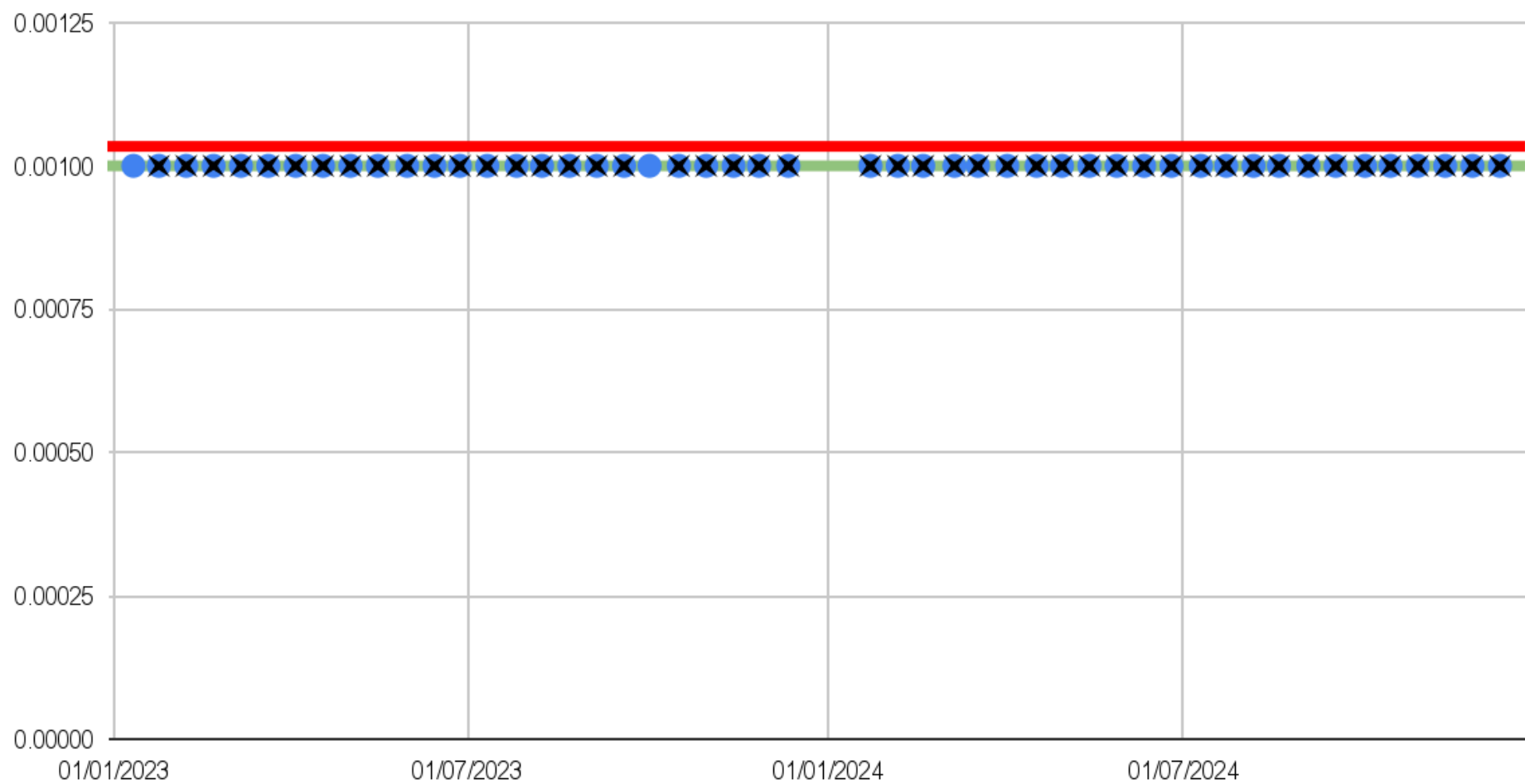
● Sale Treated Water Tank Trichloroacetic Acid (mg/L) ✕ Sale Hydrants Trichloroacetic Acid (mg/L) 0.1 mg/L — Limit



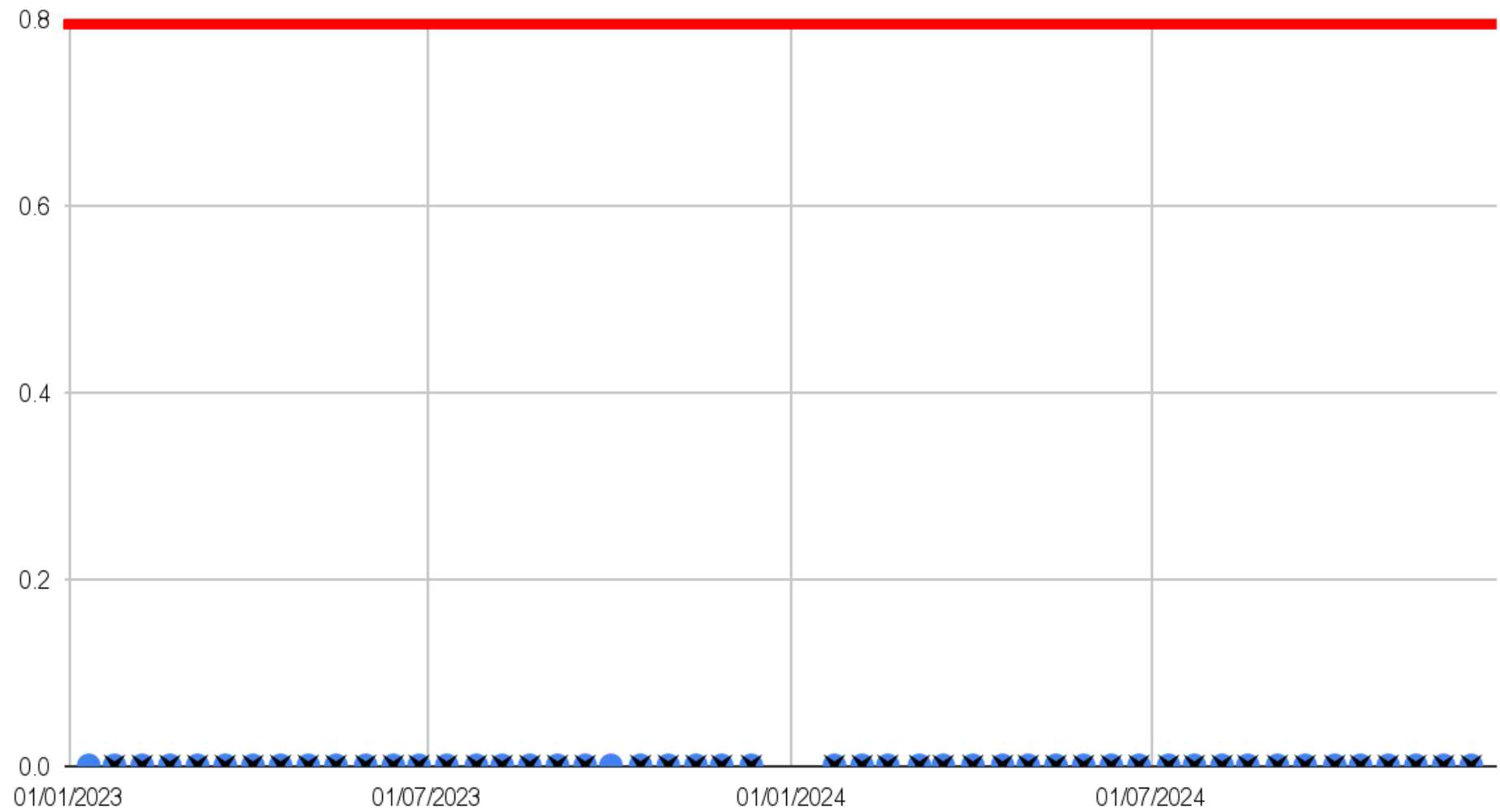




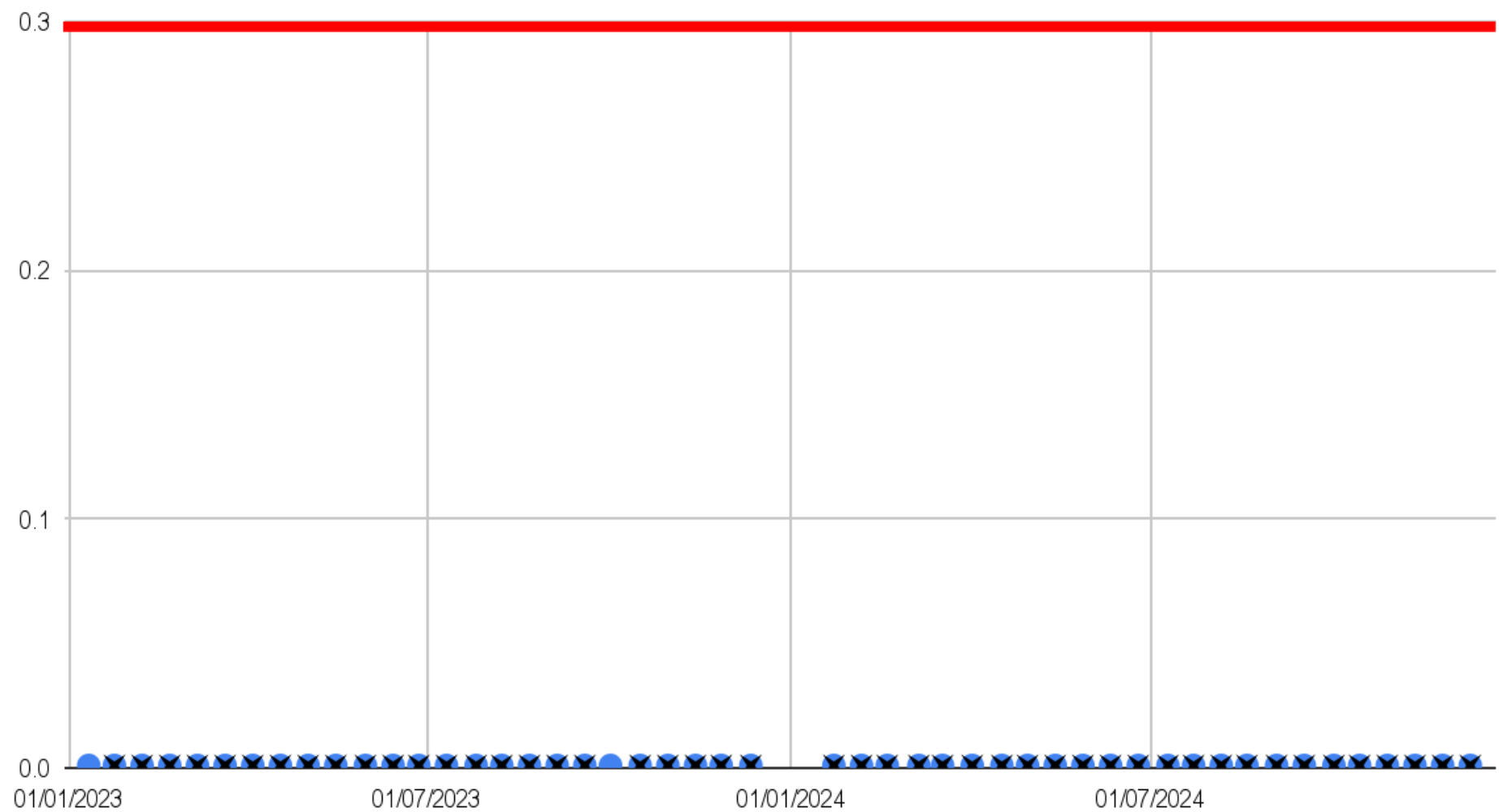
● Sale Treated Water Tank Benzene (mg/L) ✕ Sale Hydrants Benzene (mg/L) 0.001 mg/L ■ Limit
Non Detect Results ■

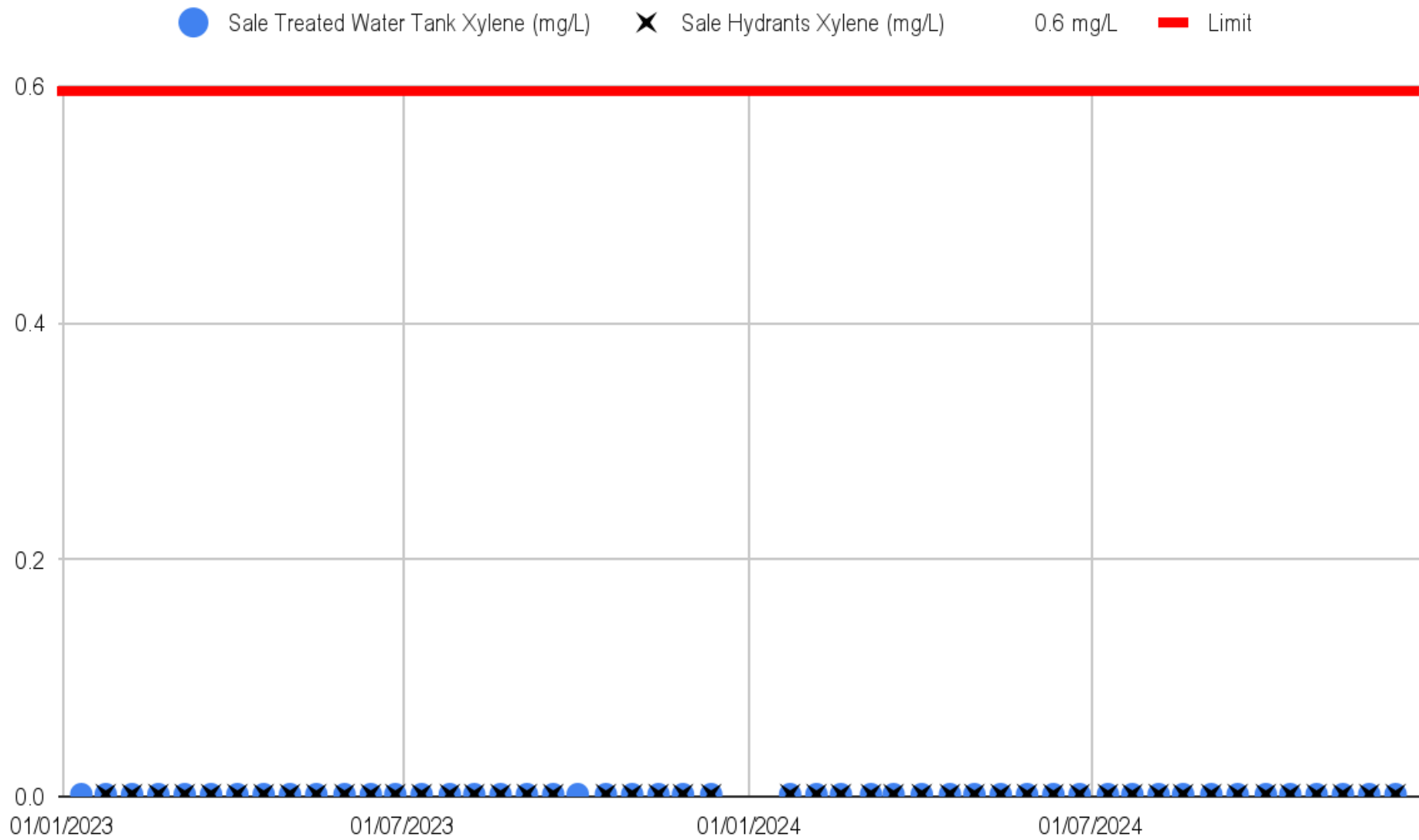


● Sale Treated Water Tank Toluene (mg/L) ✕ Sale Hydrants Toluene (mg/L) 0.8 mg/L — Limit

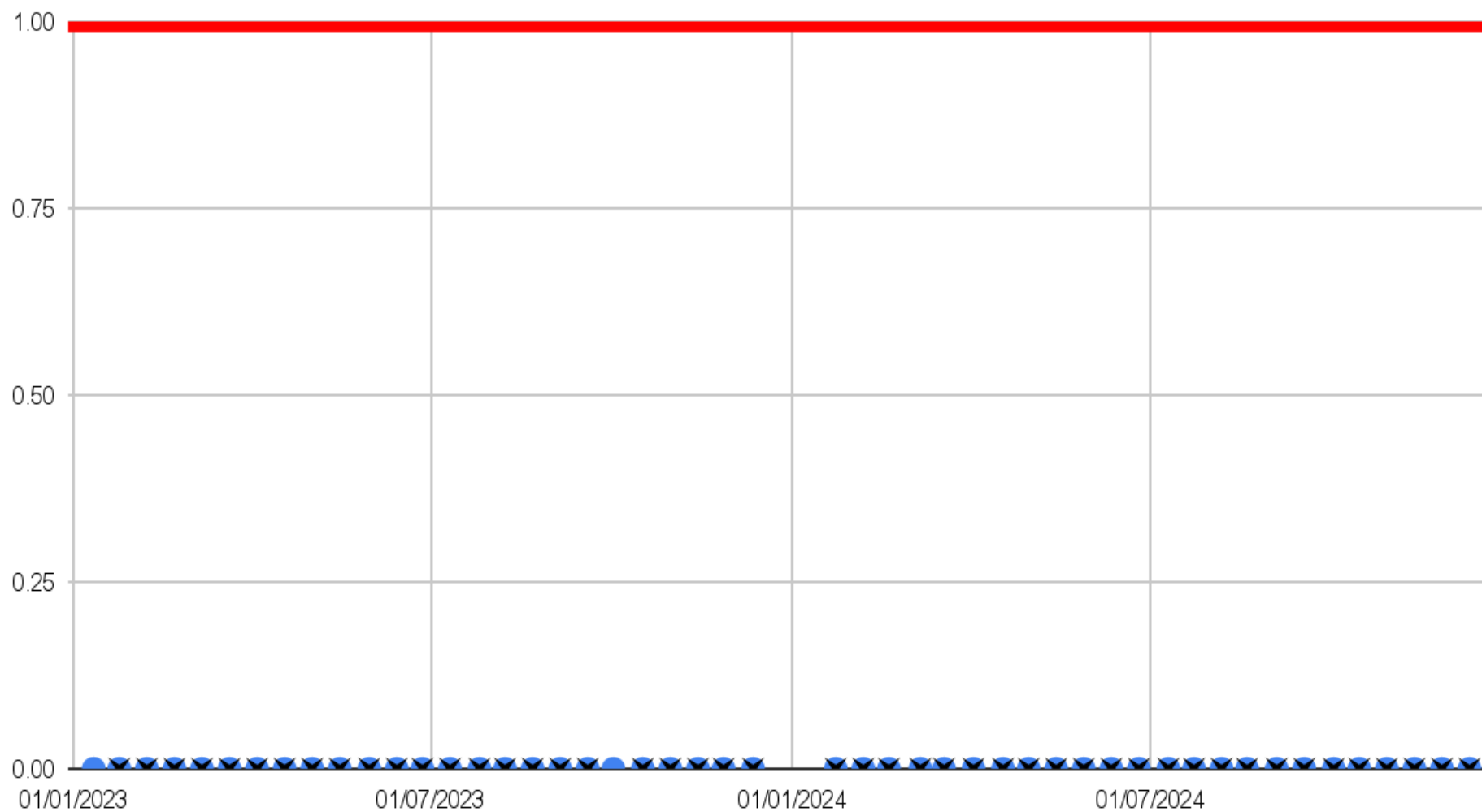


● Sale Treated Water Tank Ethylbenzene (mg/L) ✕ Sale Hydrants Ethylbenzene (mg/L) 0.3 mg/L — Limit

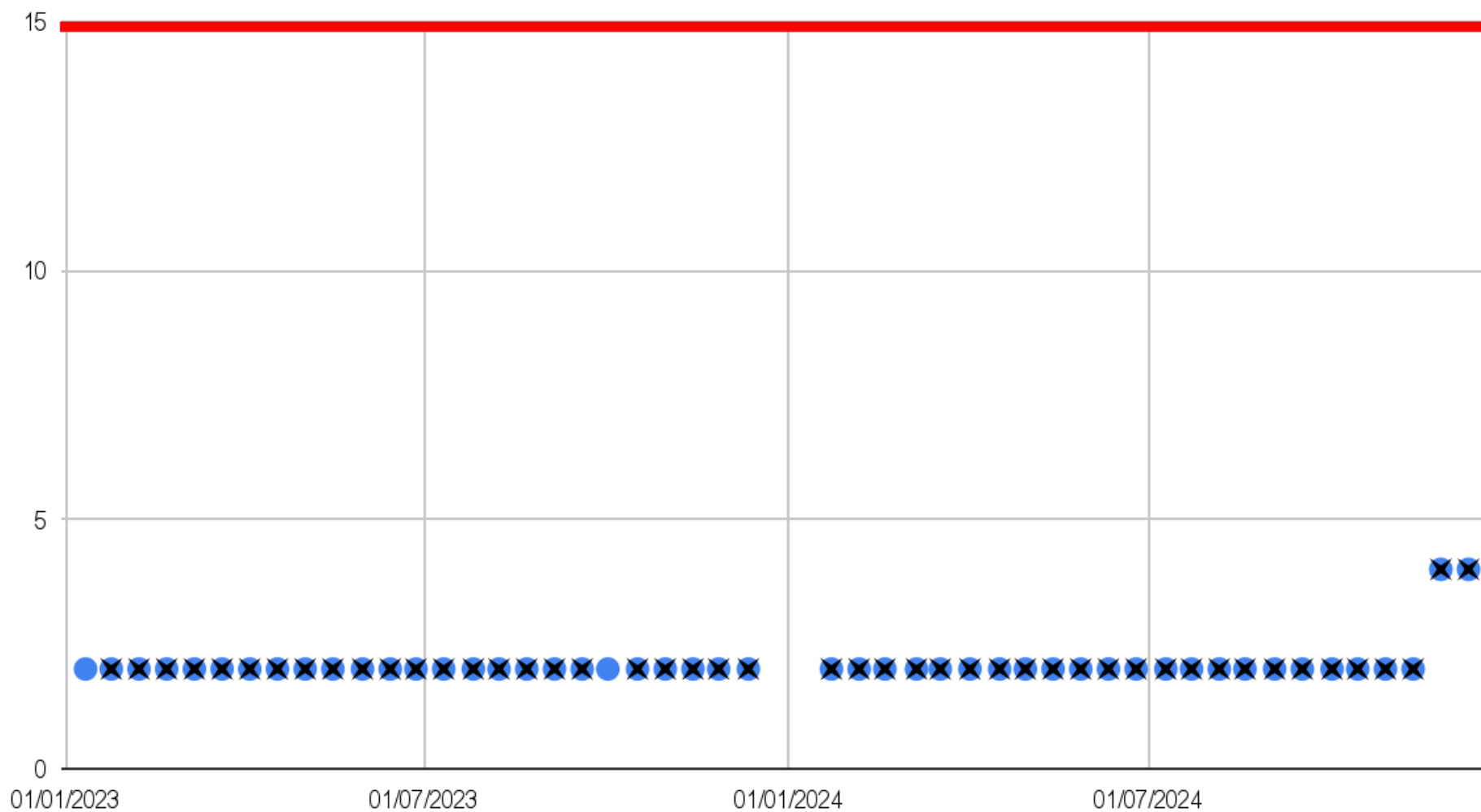


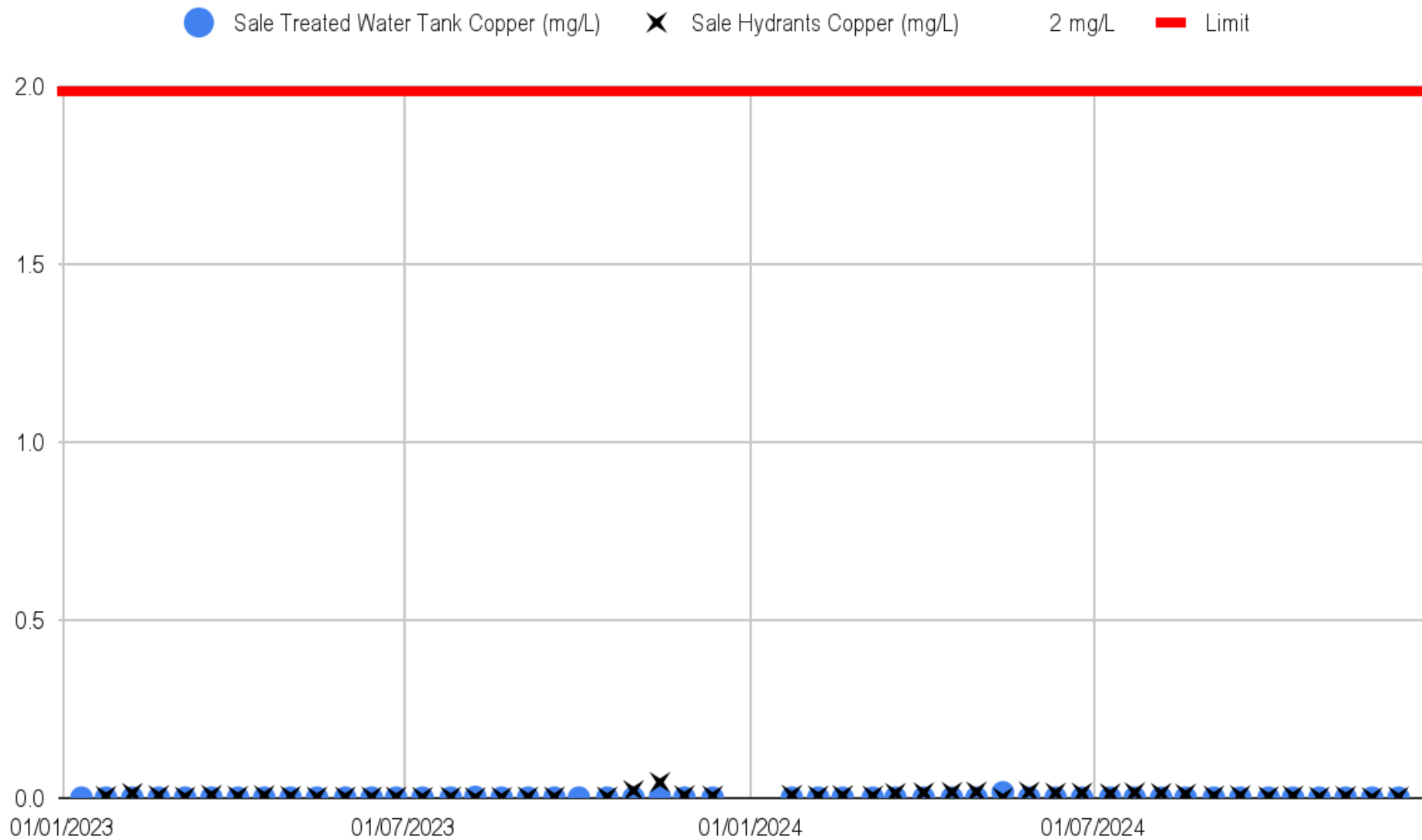


● Sale Treated Water Tank Coliforms (CFU/100mL) ✕ Sale Hydrants Coliforms (CFU/100mL) 1 CFU/100mL — Limit

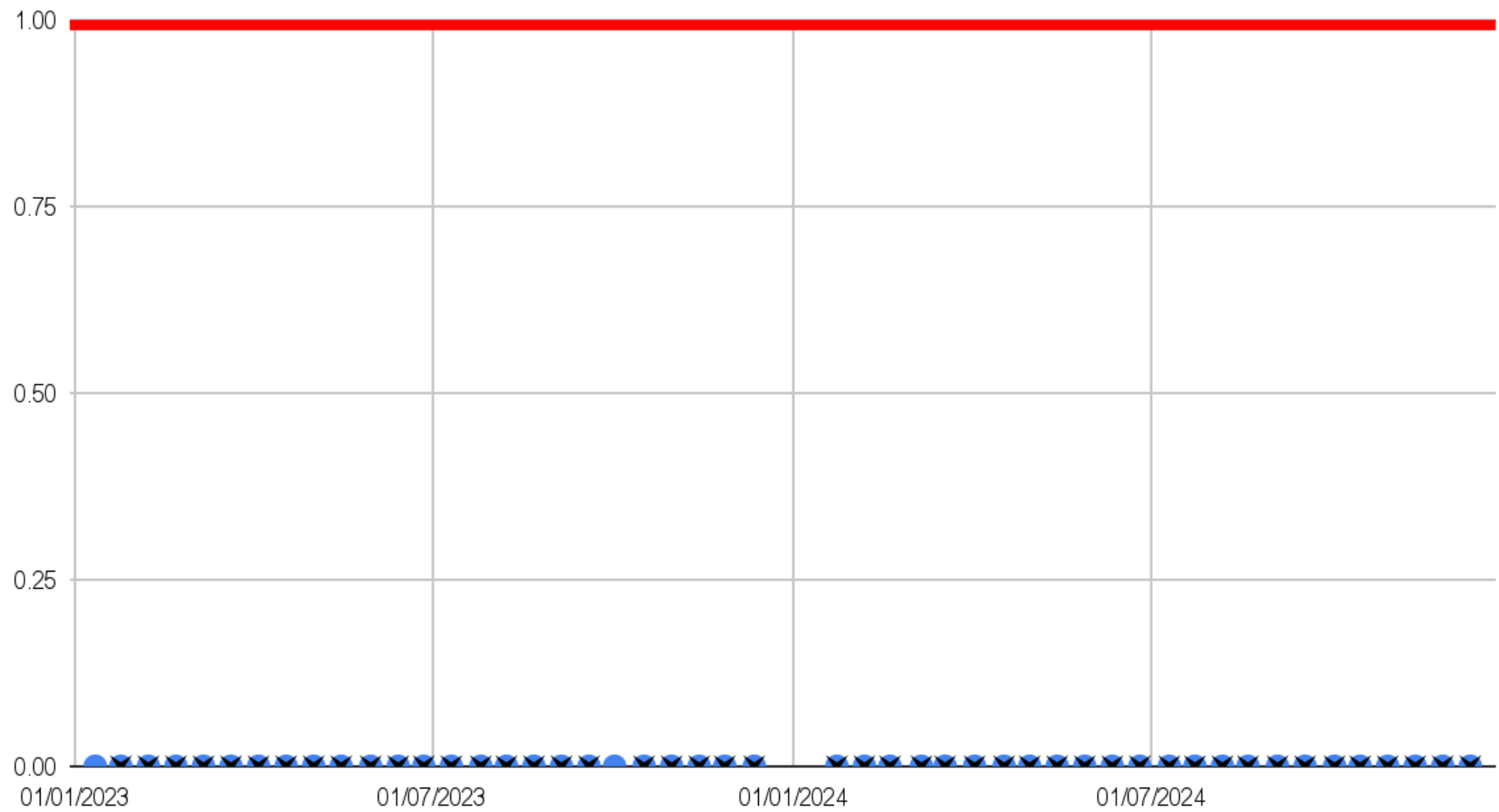


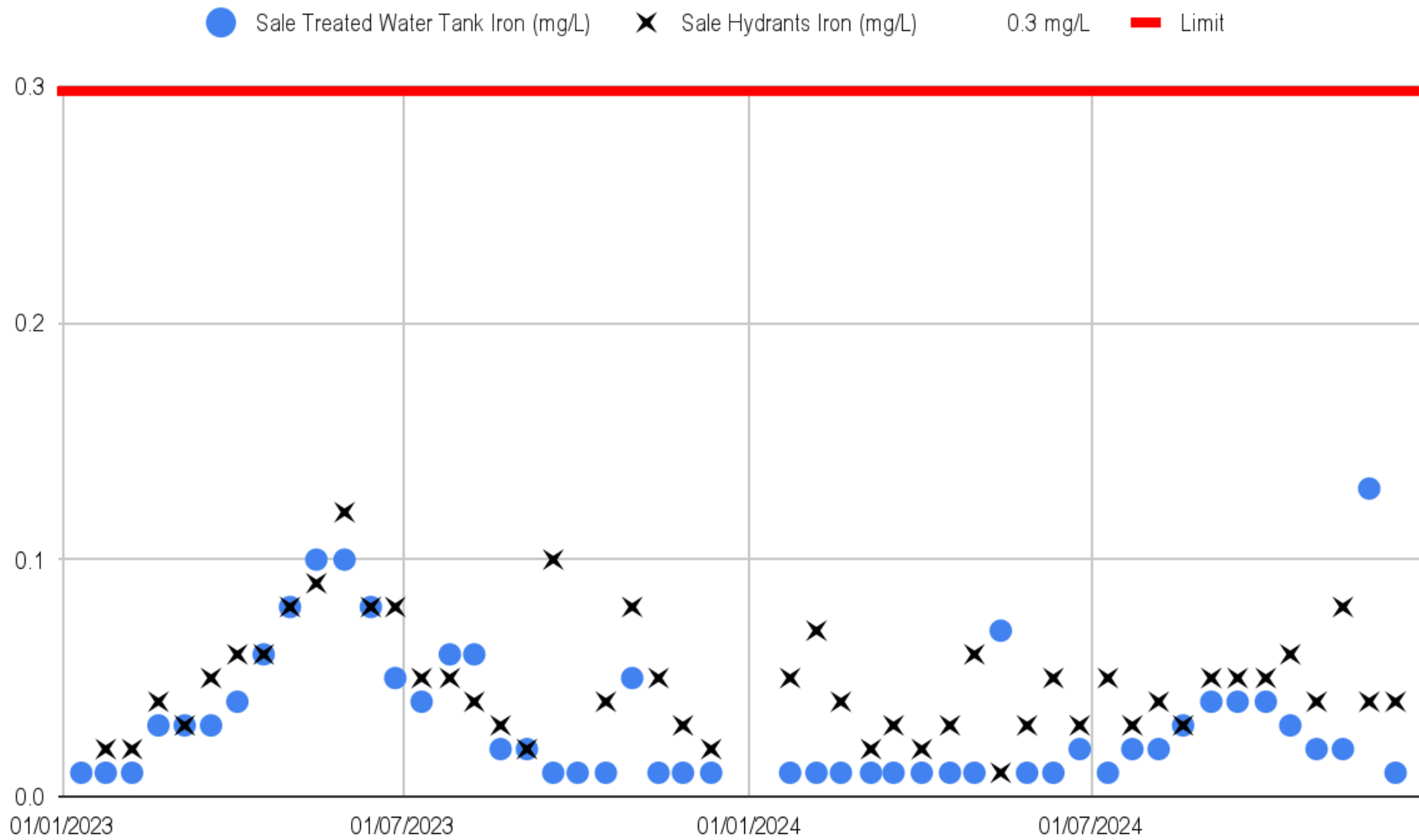
● Sale Treated Water Tank Colour (Pt/Co) ✕ Sale Hydrants Colour (Pt/Co) 15 Pt/Co — Limit



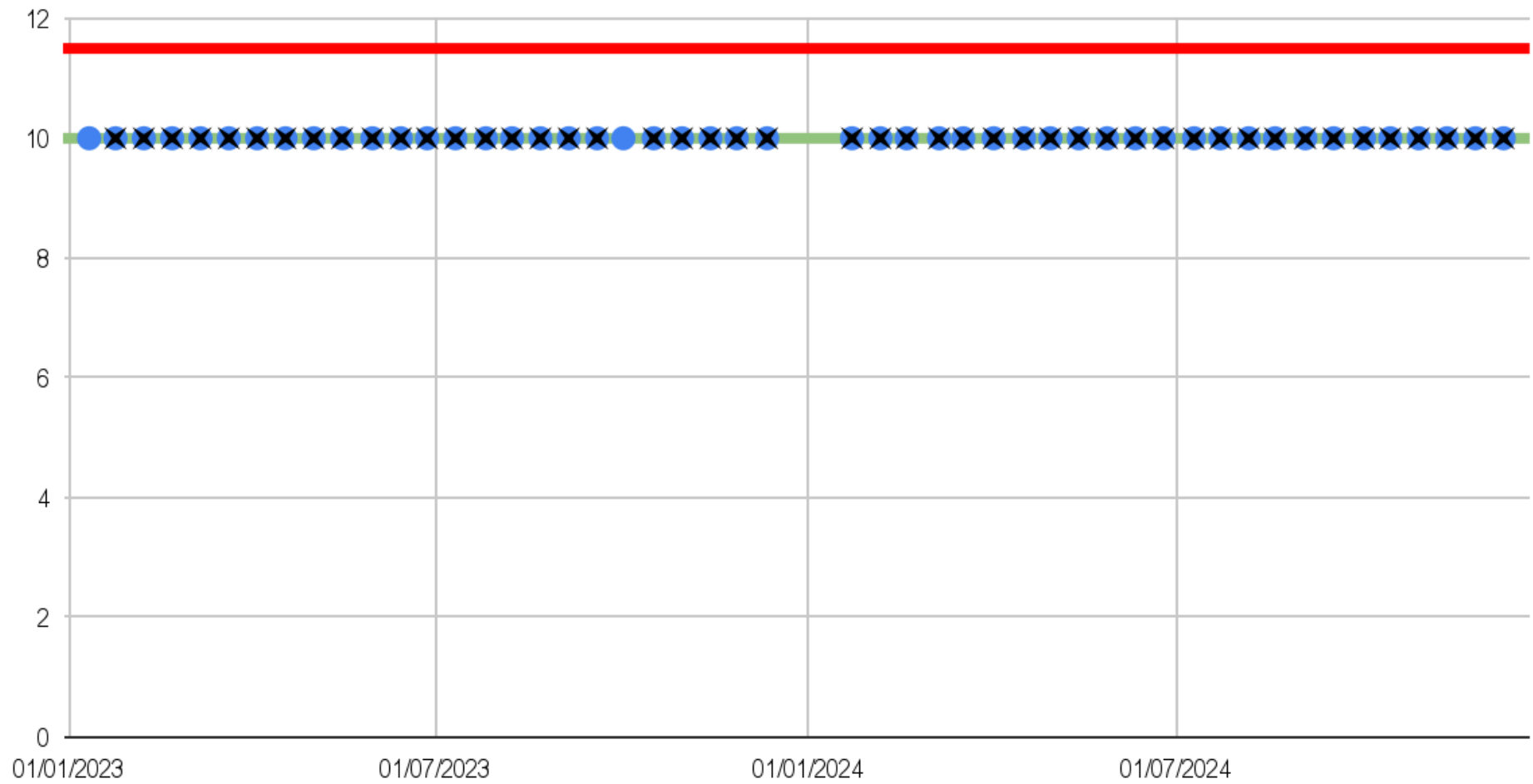


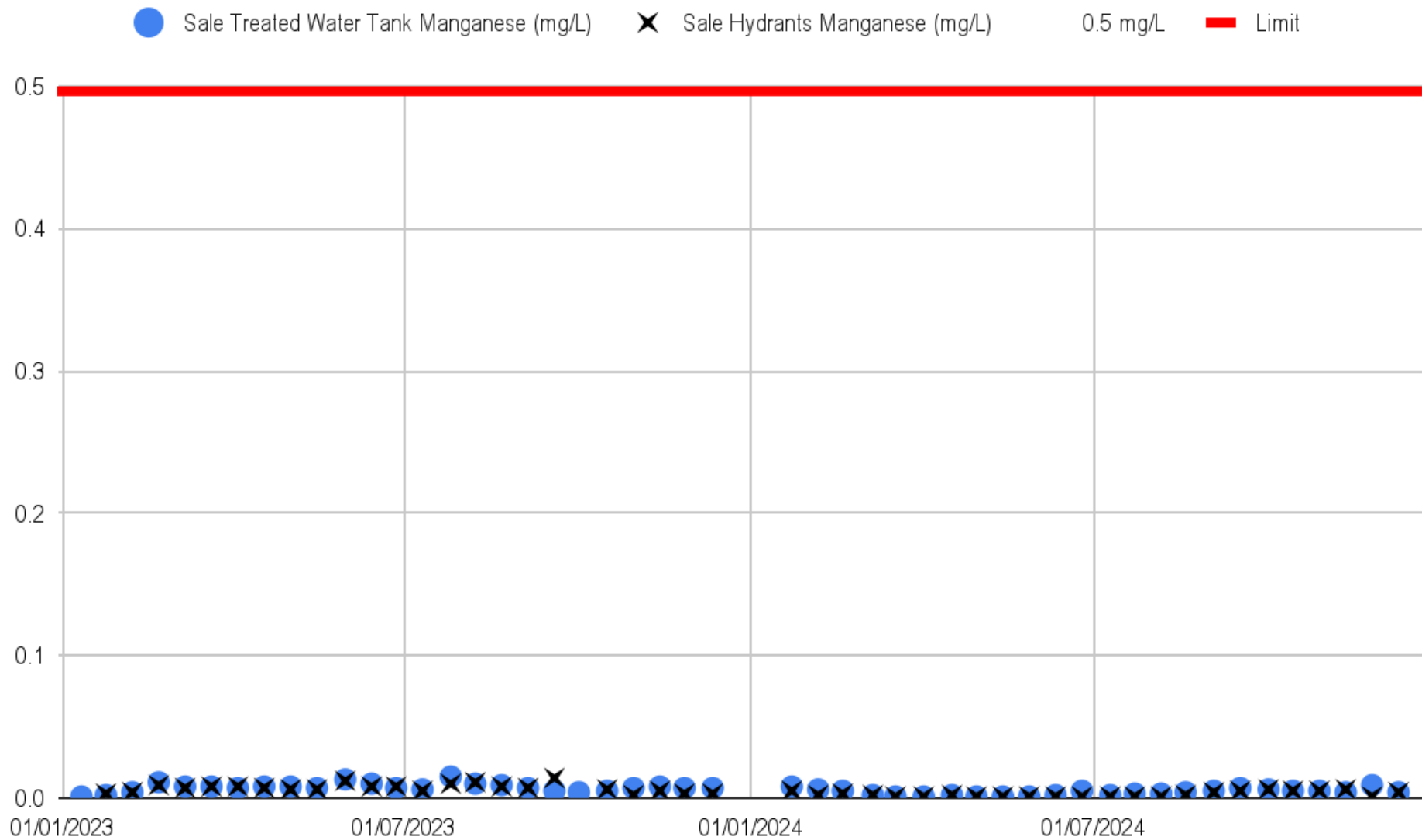
● Sale Treated Water Tank E.coli (CFU/100mL) ✕ Sale Hydrants E.coli (CFU/100mL) 1 CFU/100mL — Limit



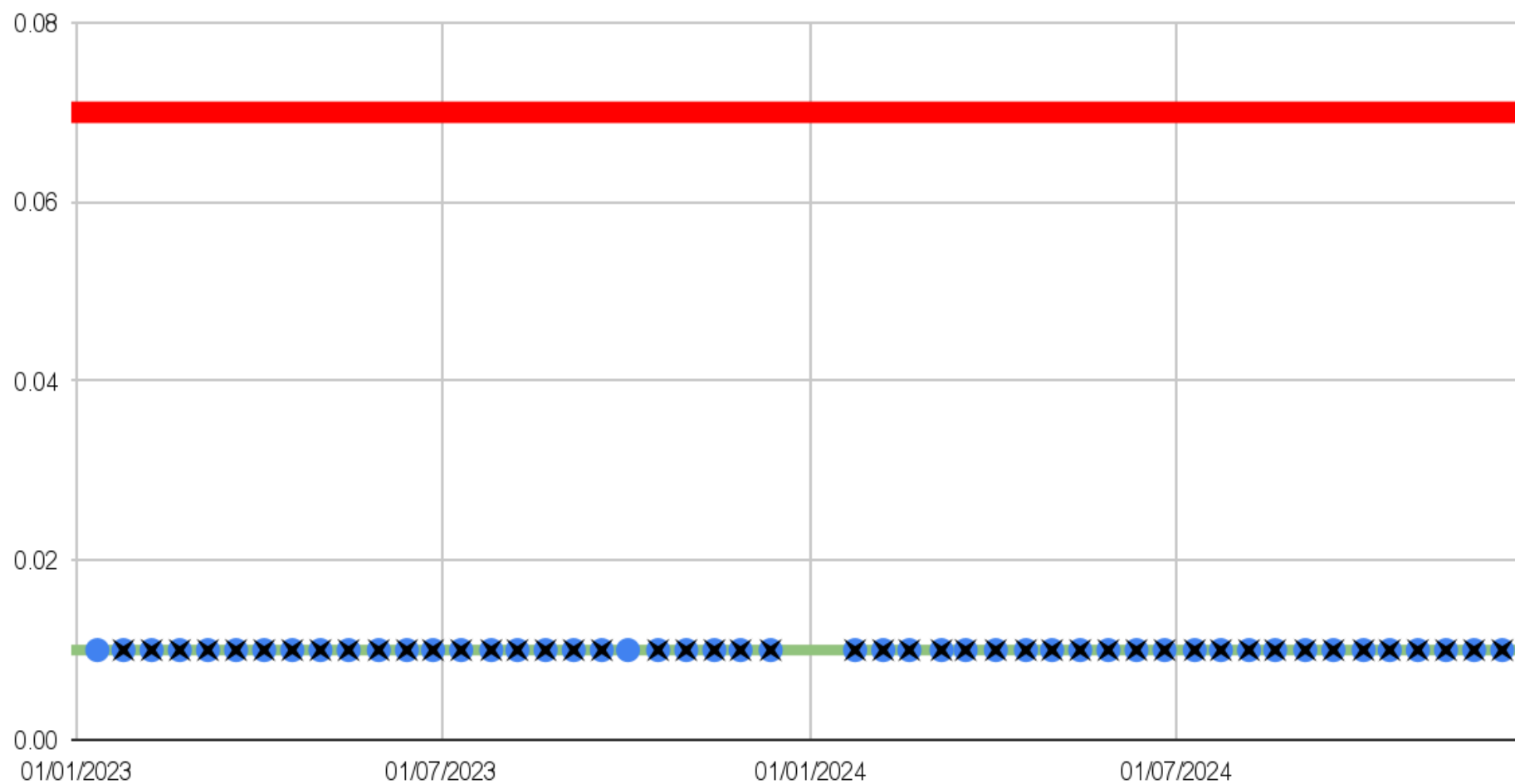


● Sale Treated Water Tank Total Legionella (CFU/mL) ✕ Sale Hydrants Total Legionella (CFU/mL) 10 CFU/mL ■ Limit
Non Detect Results ■

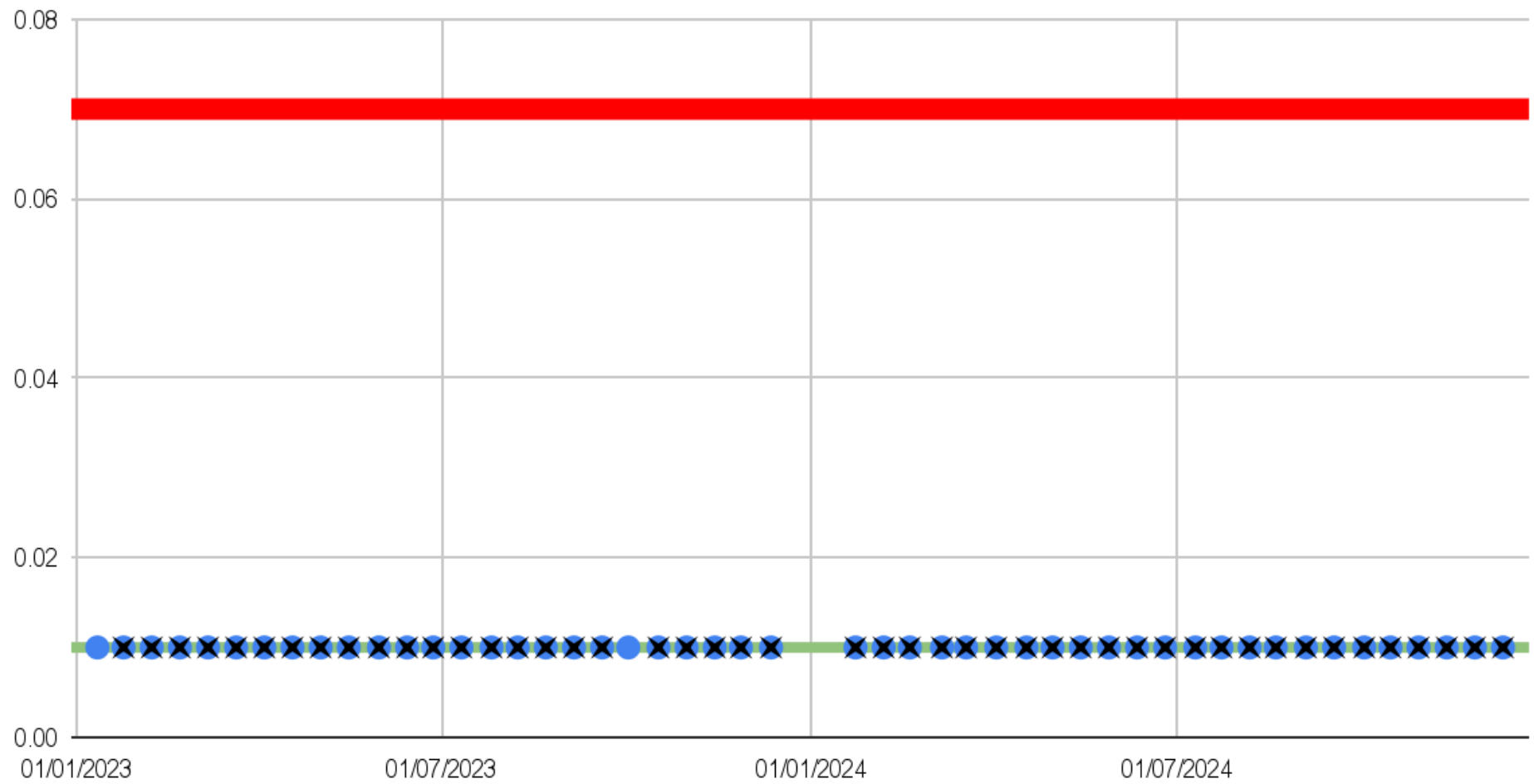




● Sale Treated Water Tank PFOA (µg/L) ✕ Sale Hydrants PFOA (µg/L) PFOA + PFOS 0.07 µg/L — Limit
Non Detect Results —

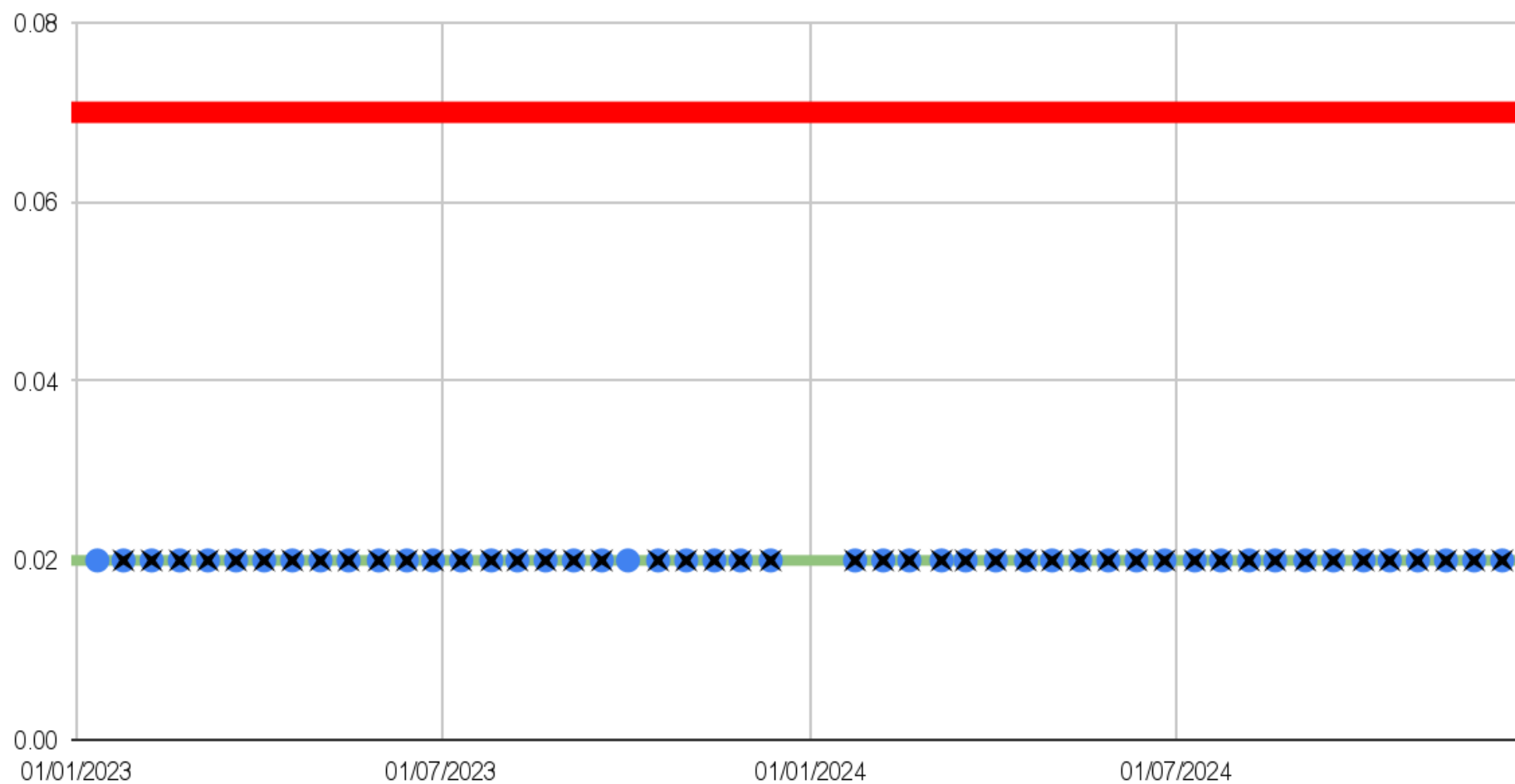


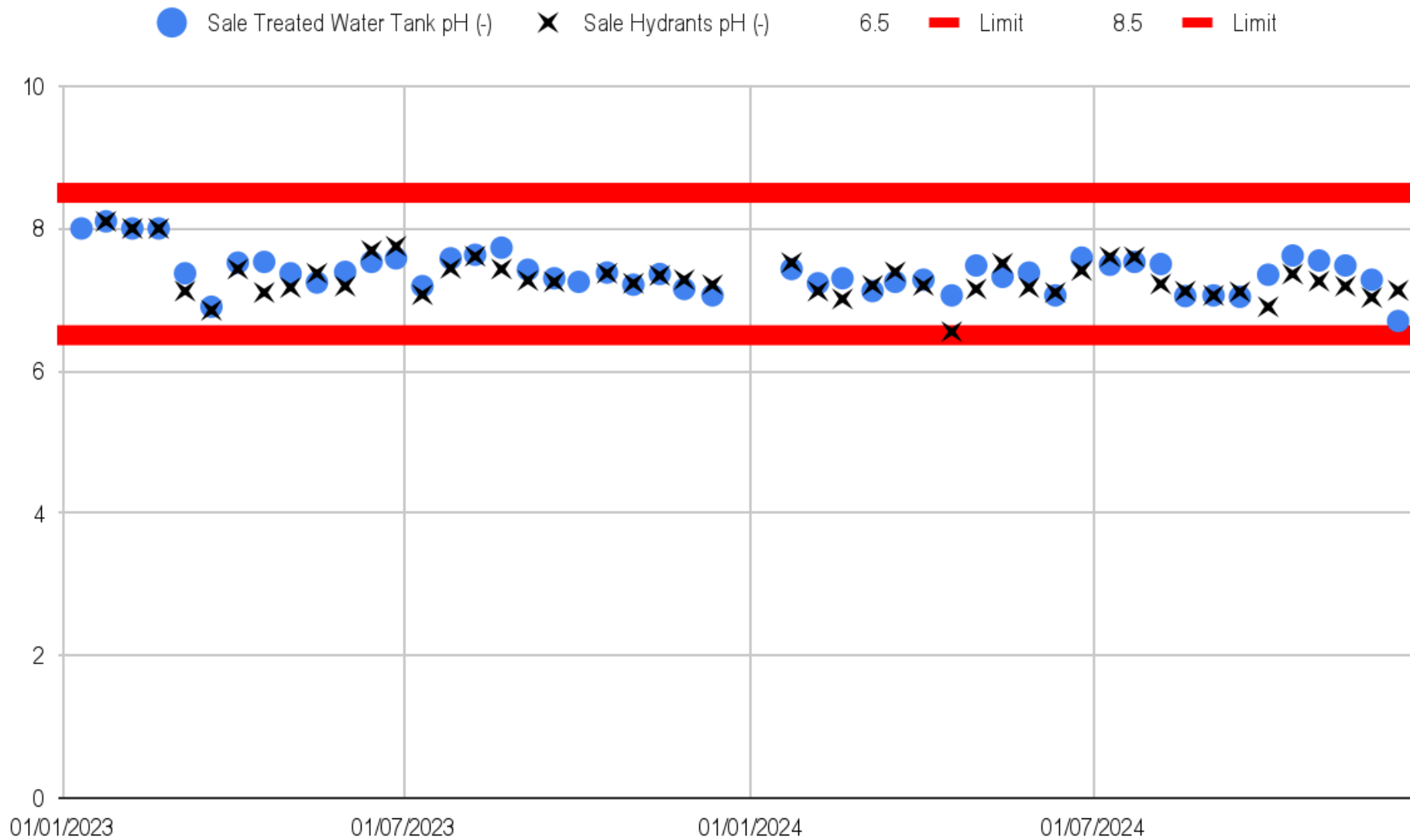
● Sale Treated Water Tank PFOS (µg/L) ✕ Sale Hydrants PFOS (µg/L) PFOA + PFOS 0.07 µg/L — Limit
Non Detect Results —

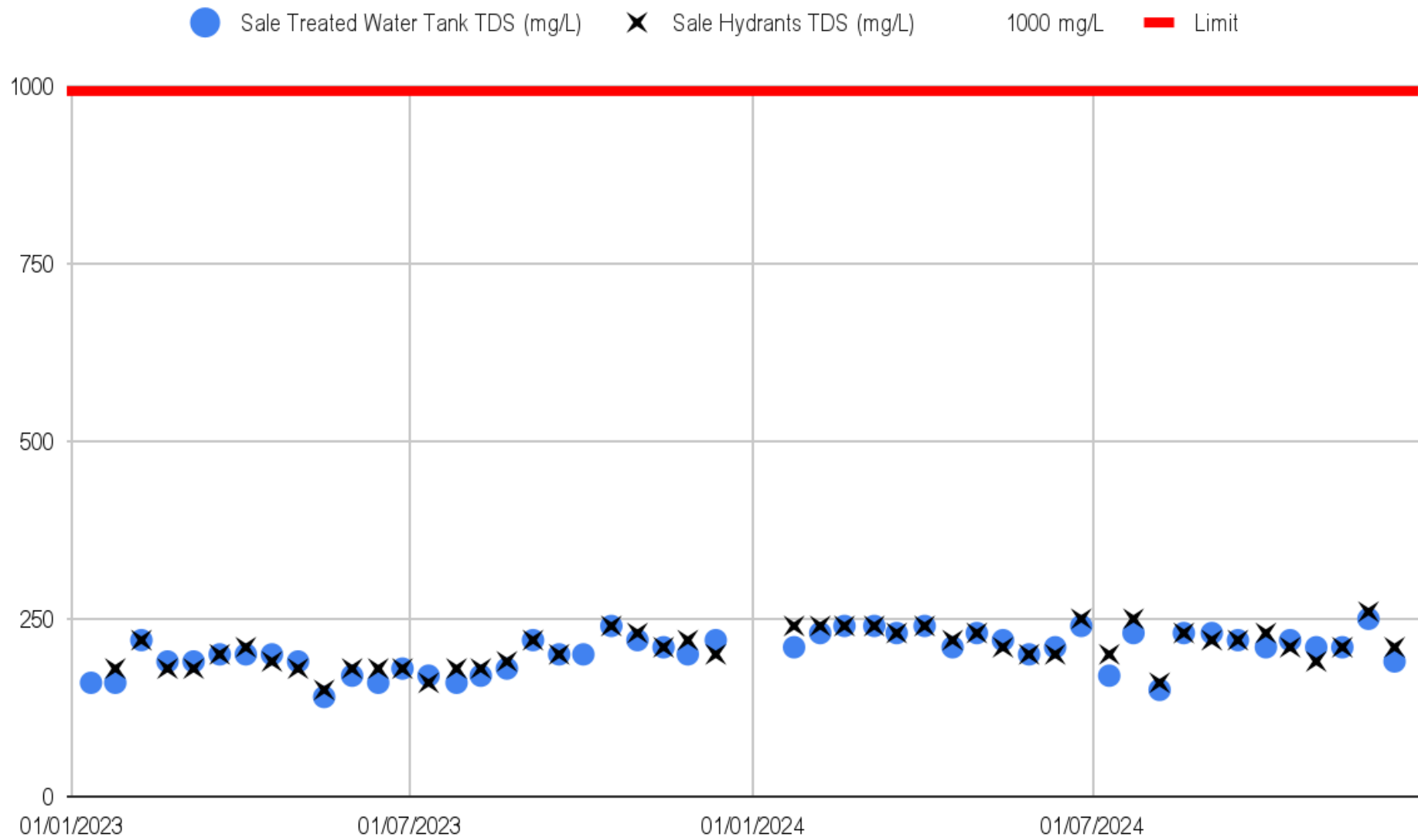


● Sale Treated Water Tank PFHxS (µg/L) ✕ Sale Hydrants PFHxS (µg/L) PFOS + PFHxS µg/L ■ Limit

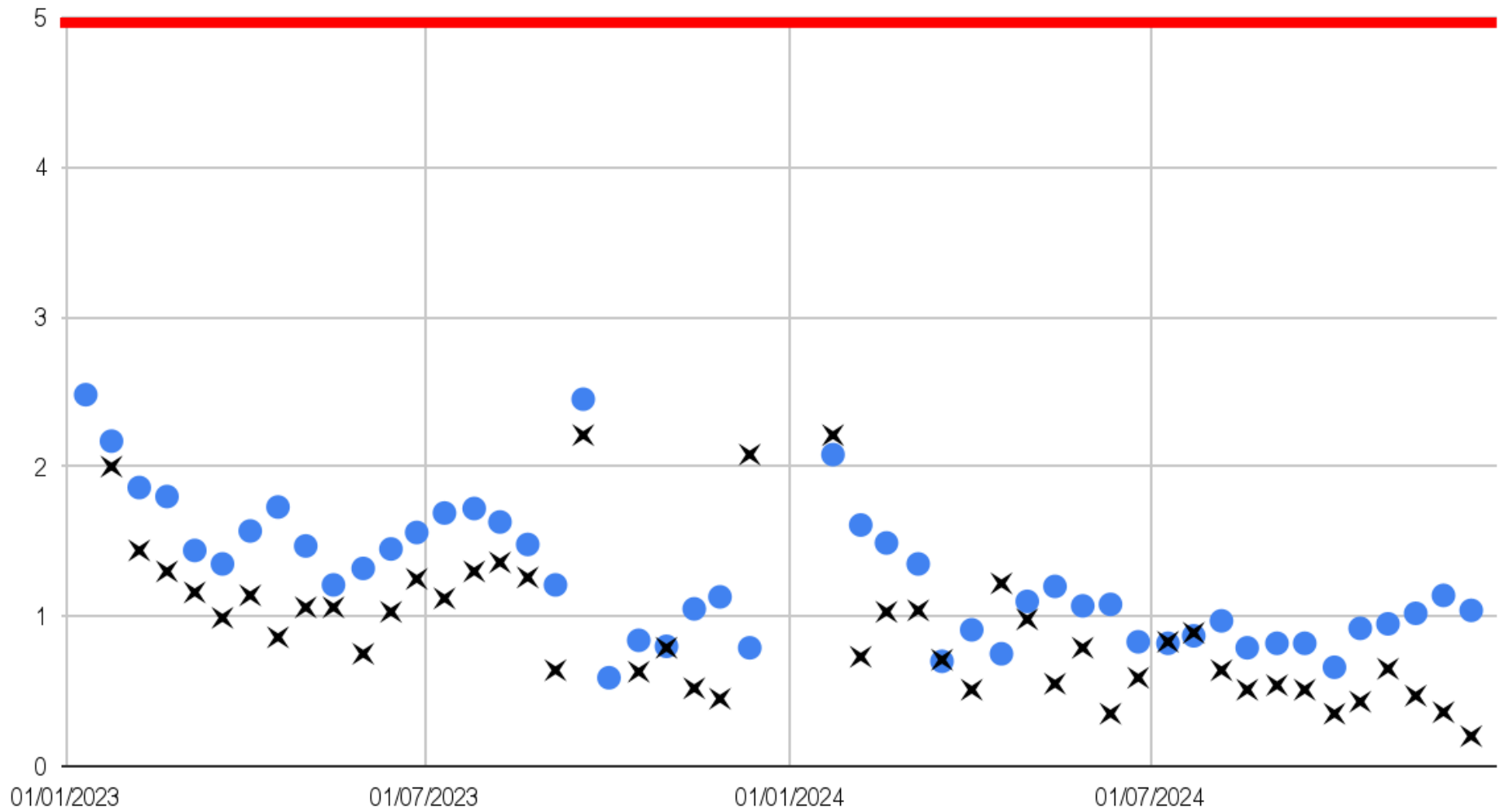
Non Detect Results ■

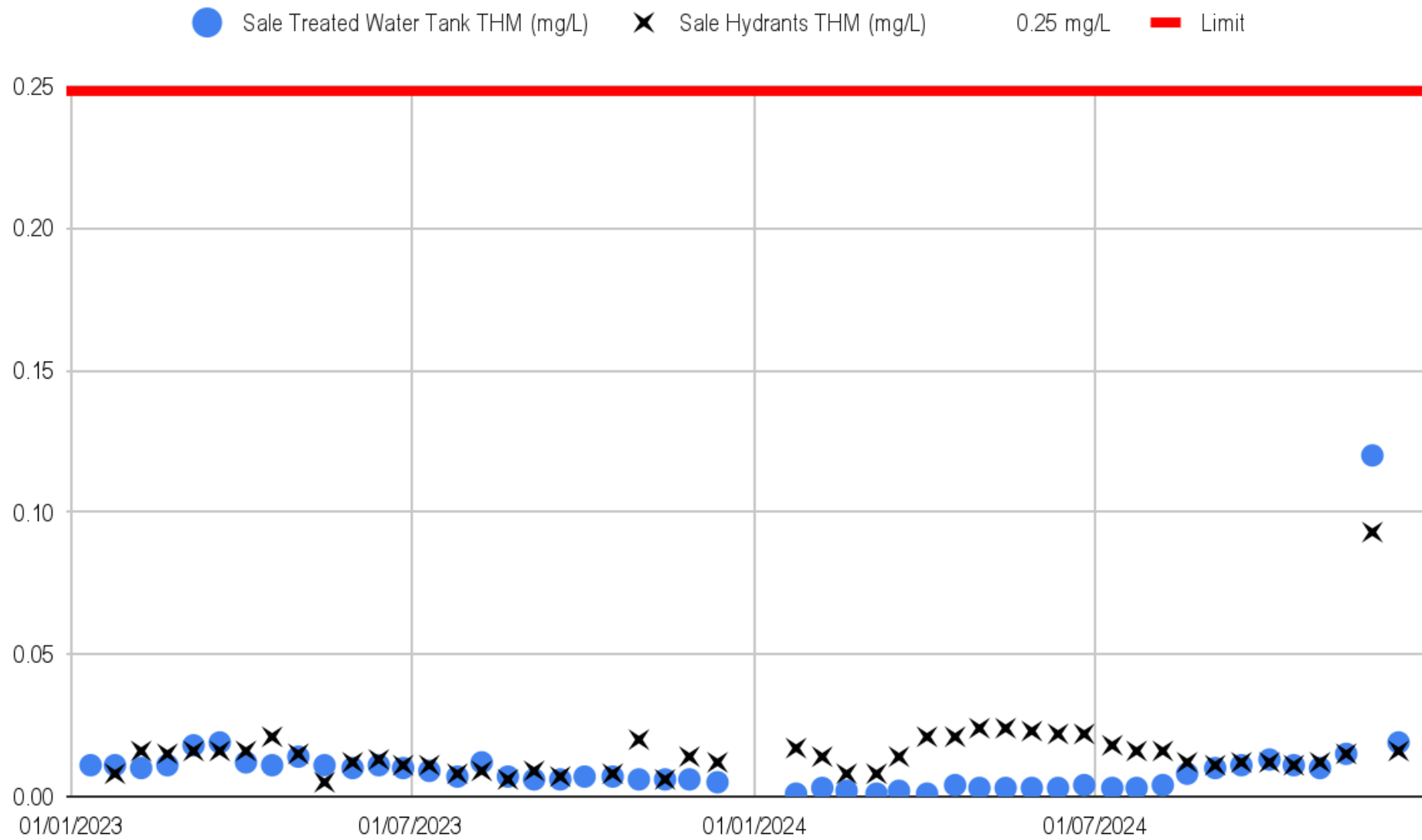


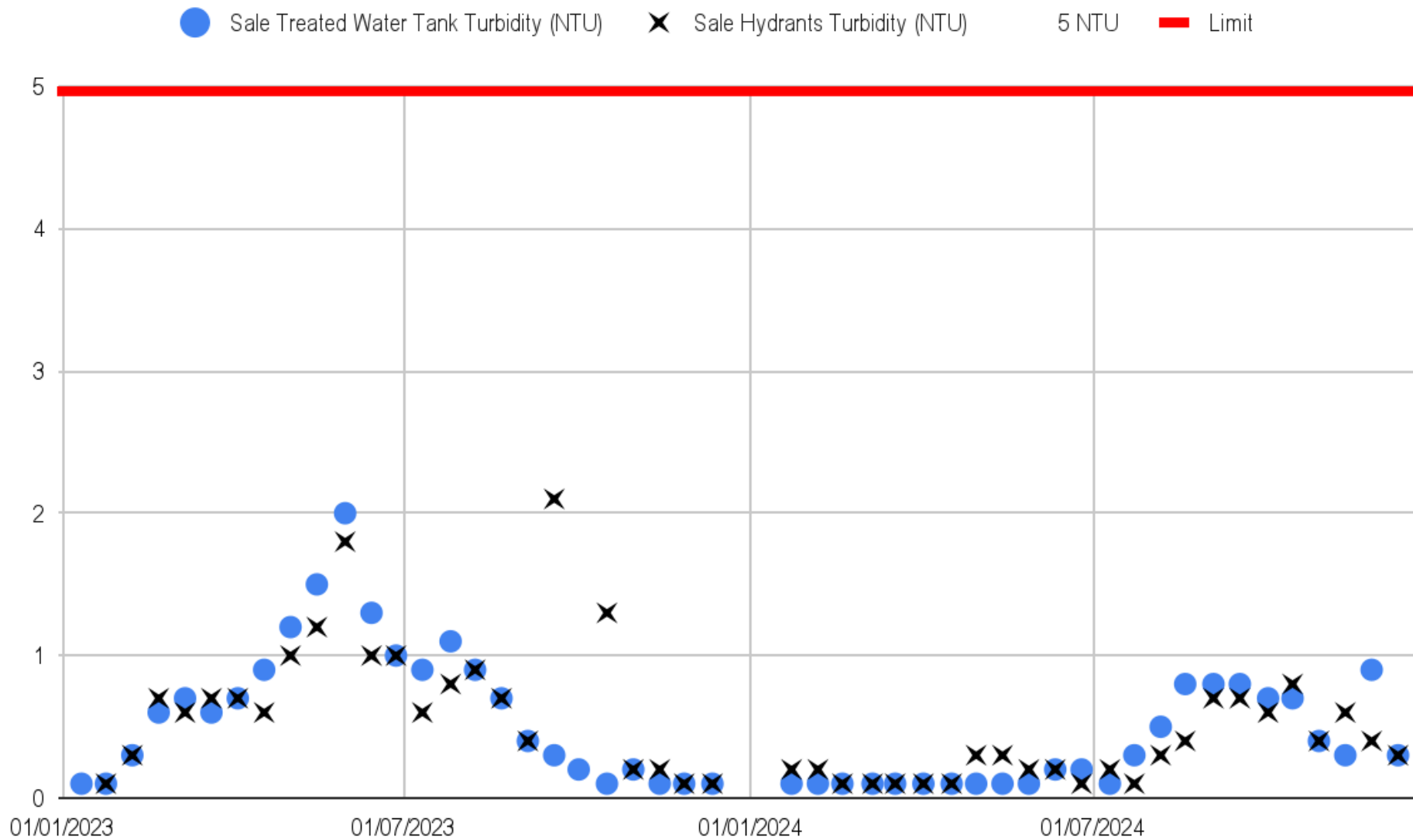


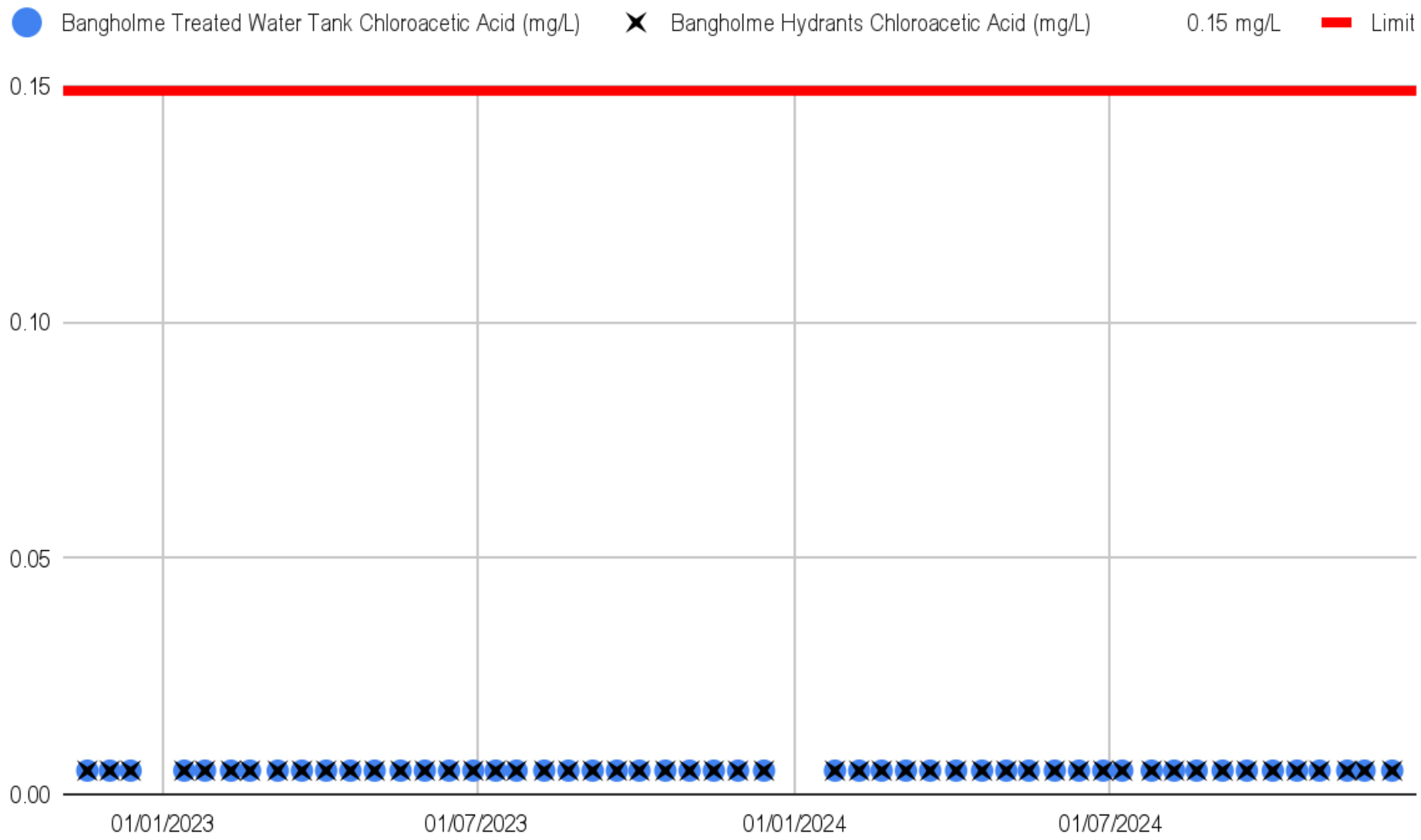


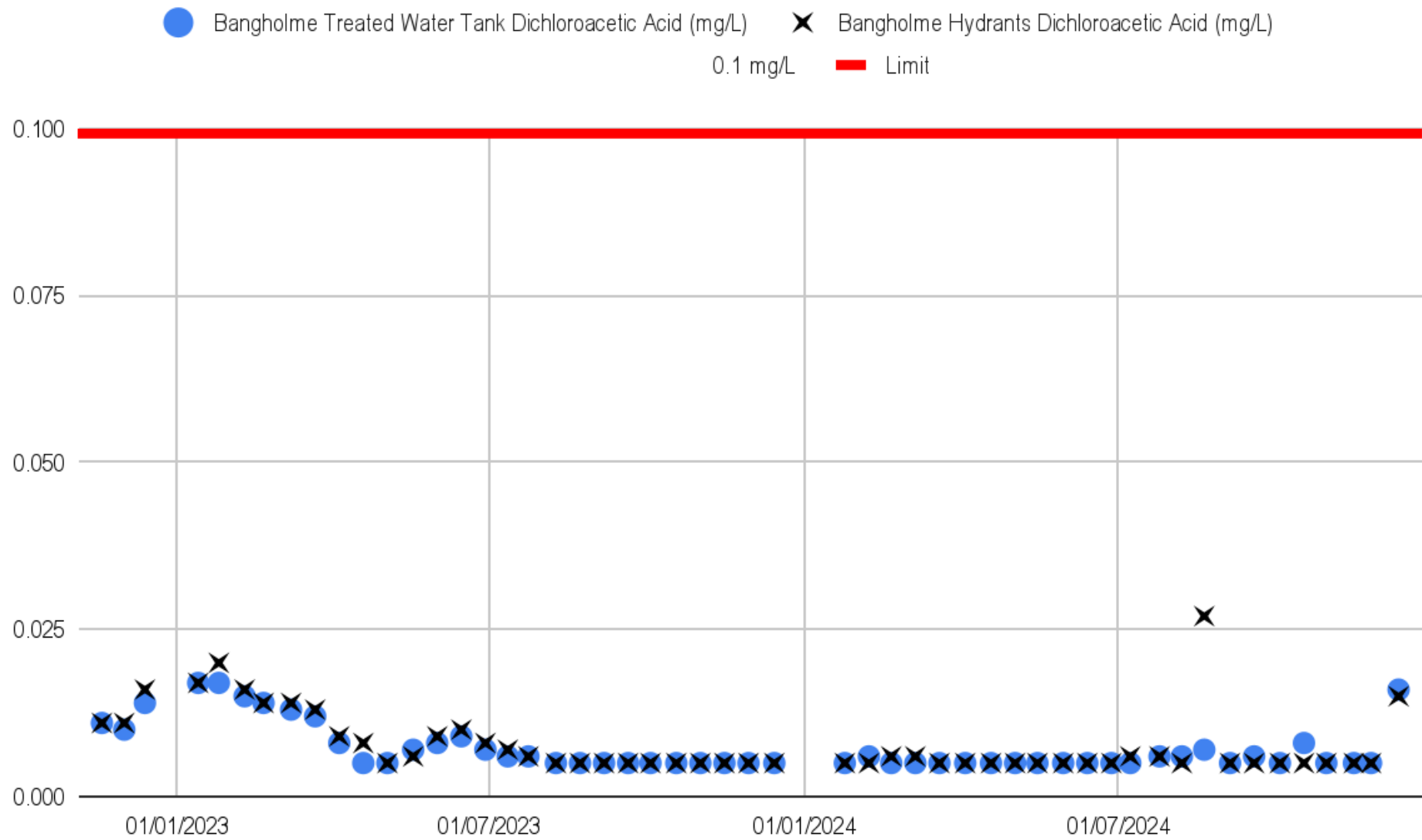
● Sale Treated Water Tank Total Chlorine (mg/L) ✕ Sale Hydrants Total Chlorine (mg/L) 5 mg/L — Limit

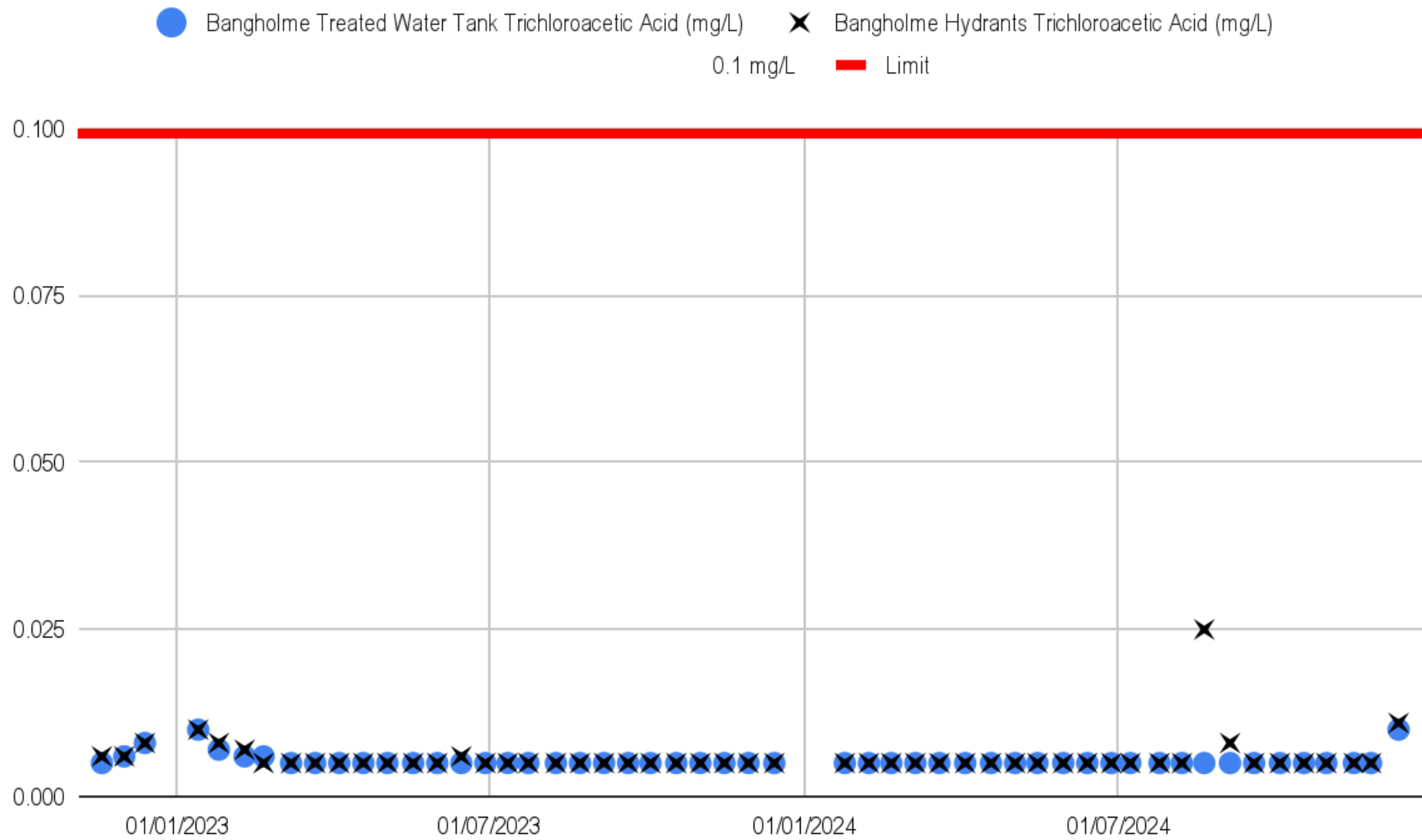


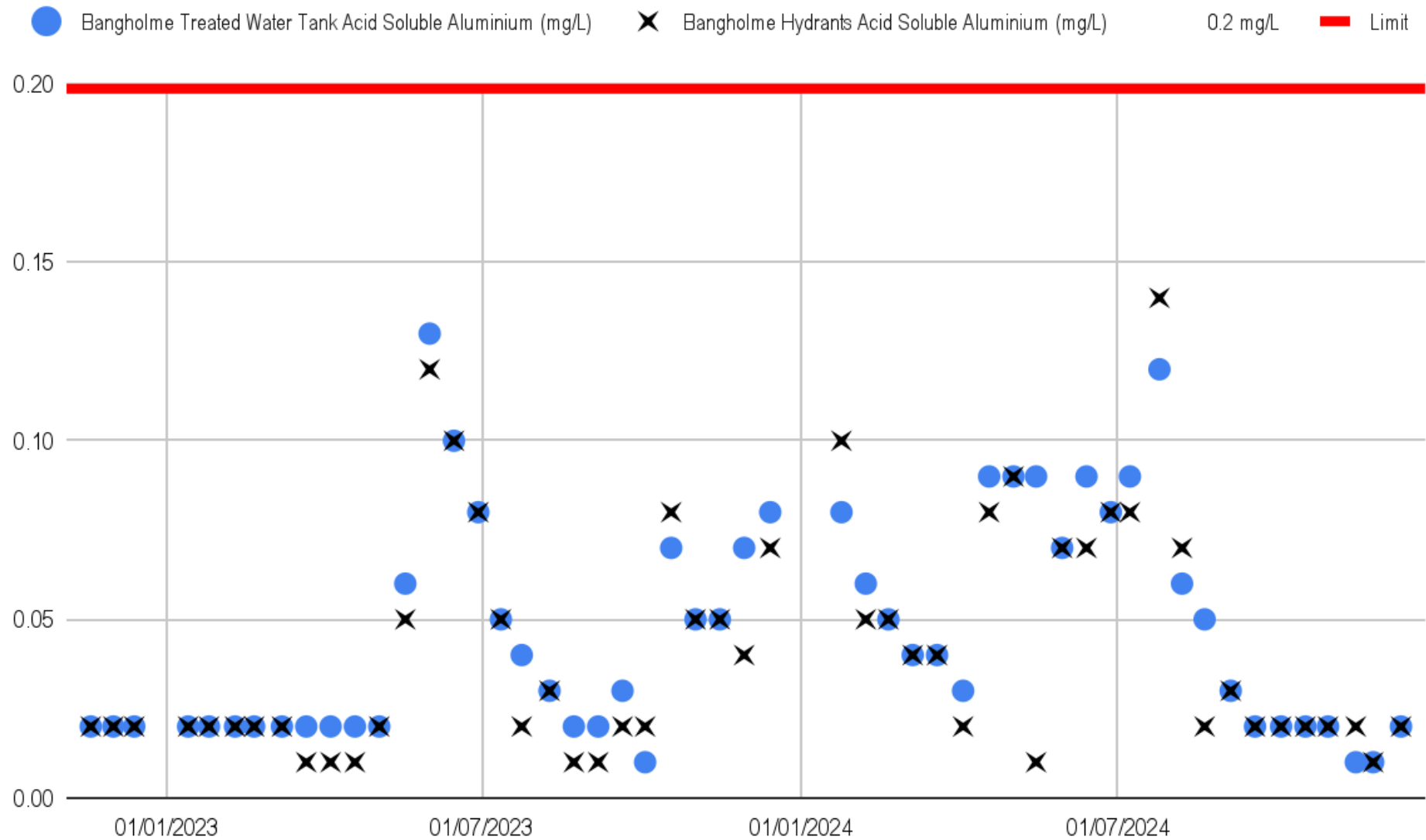


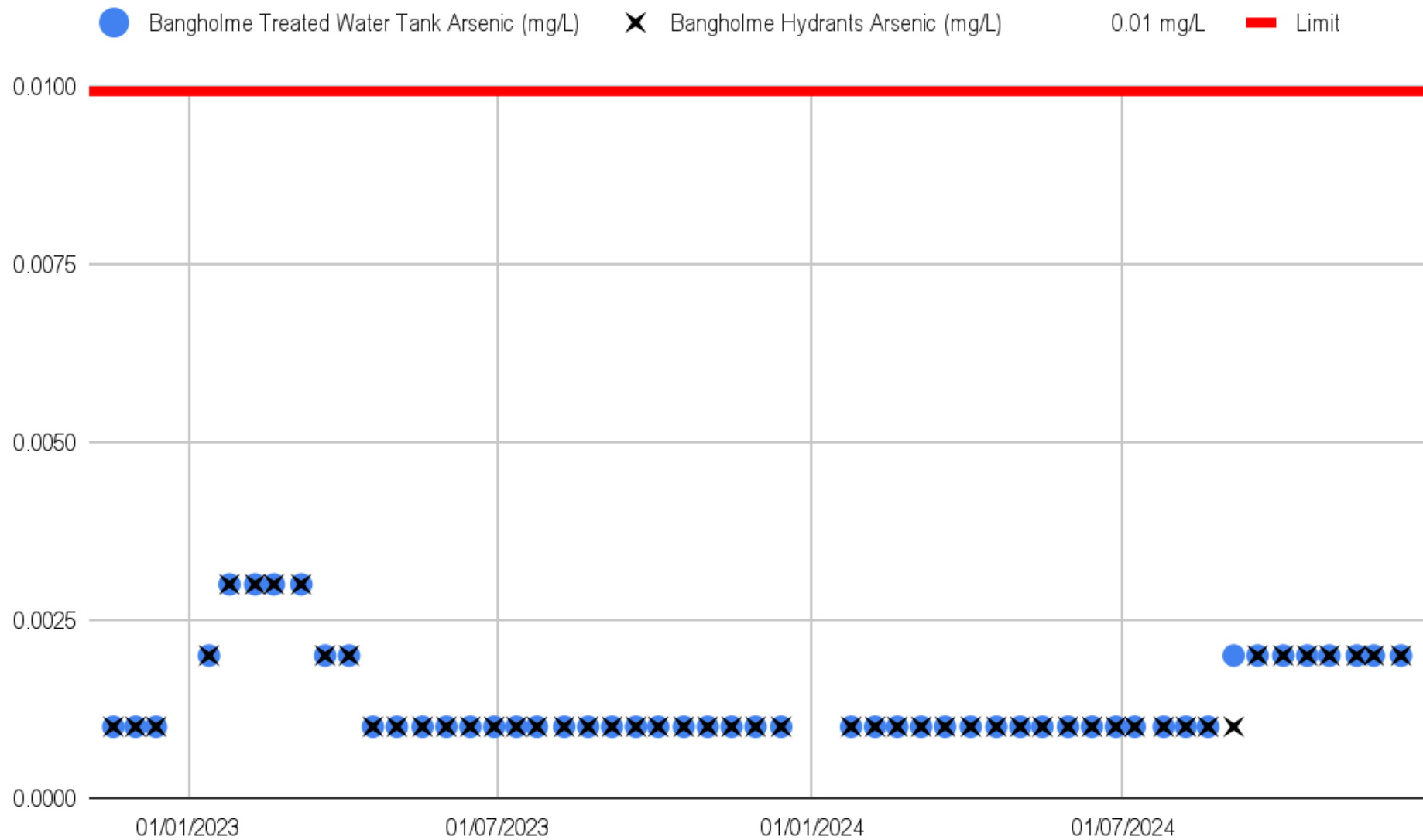




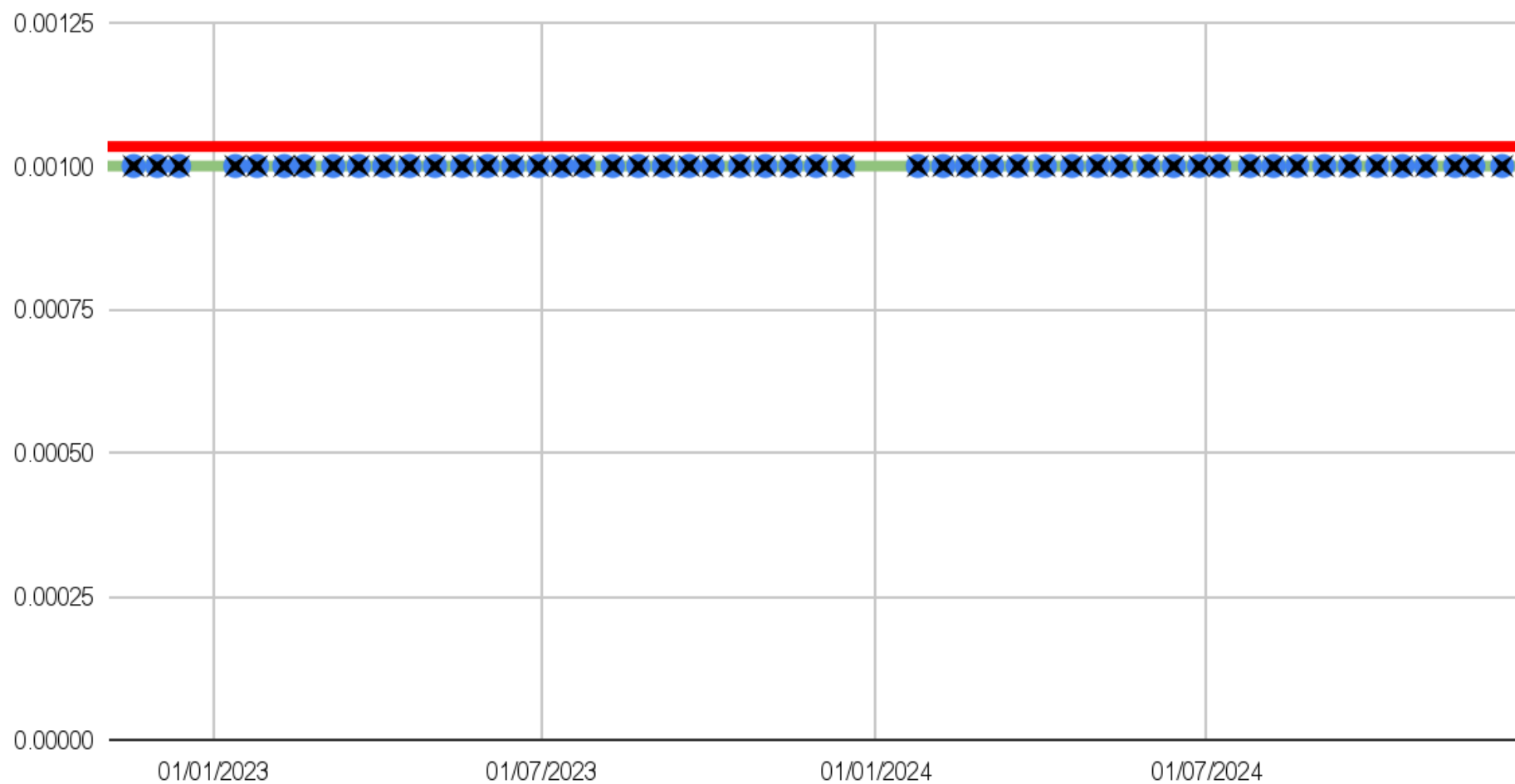


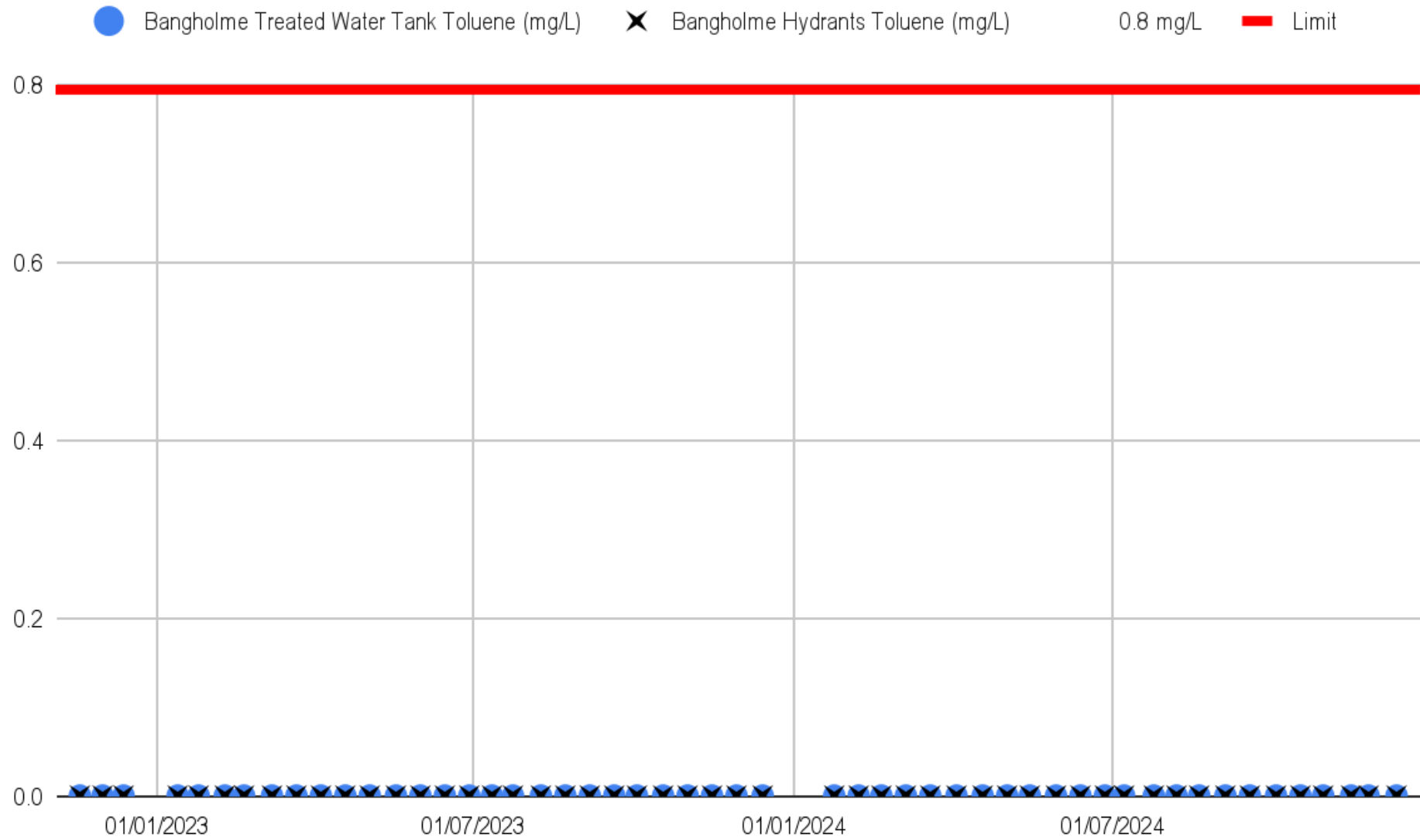


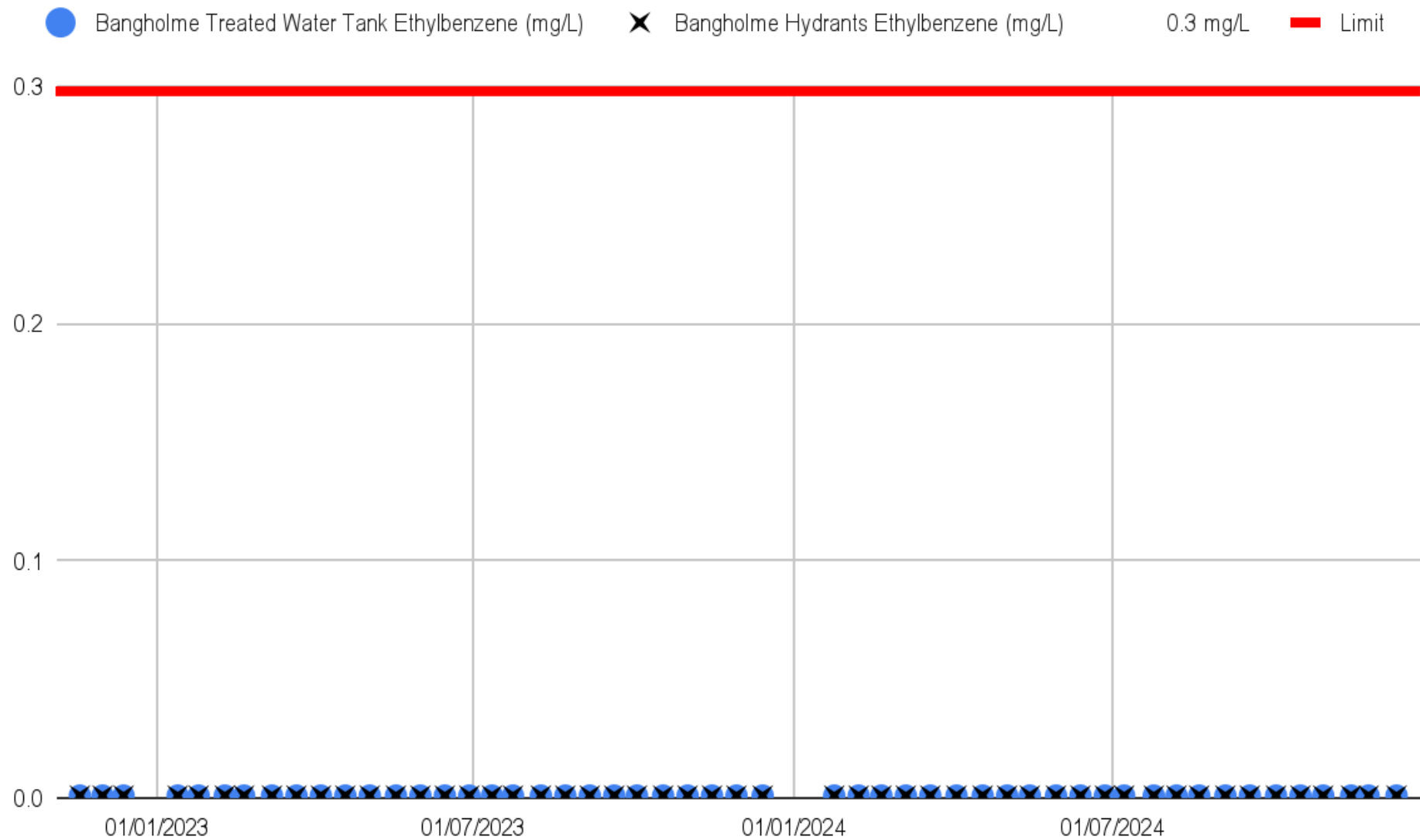


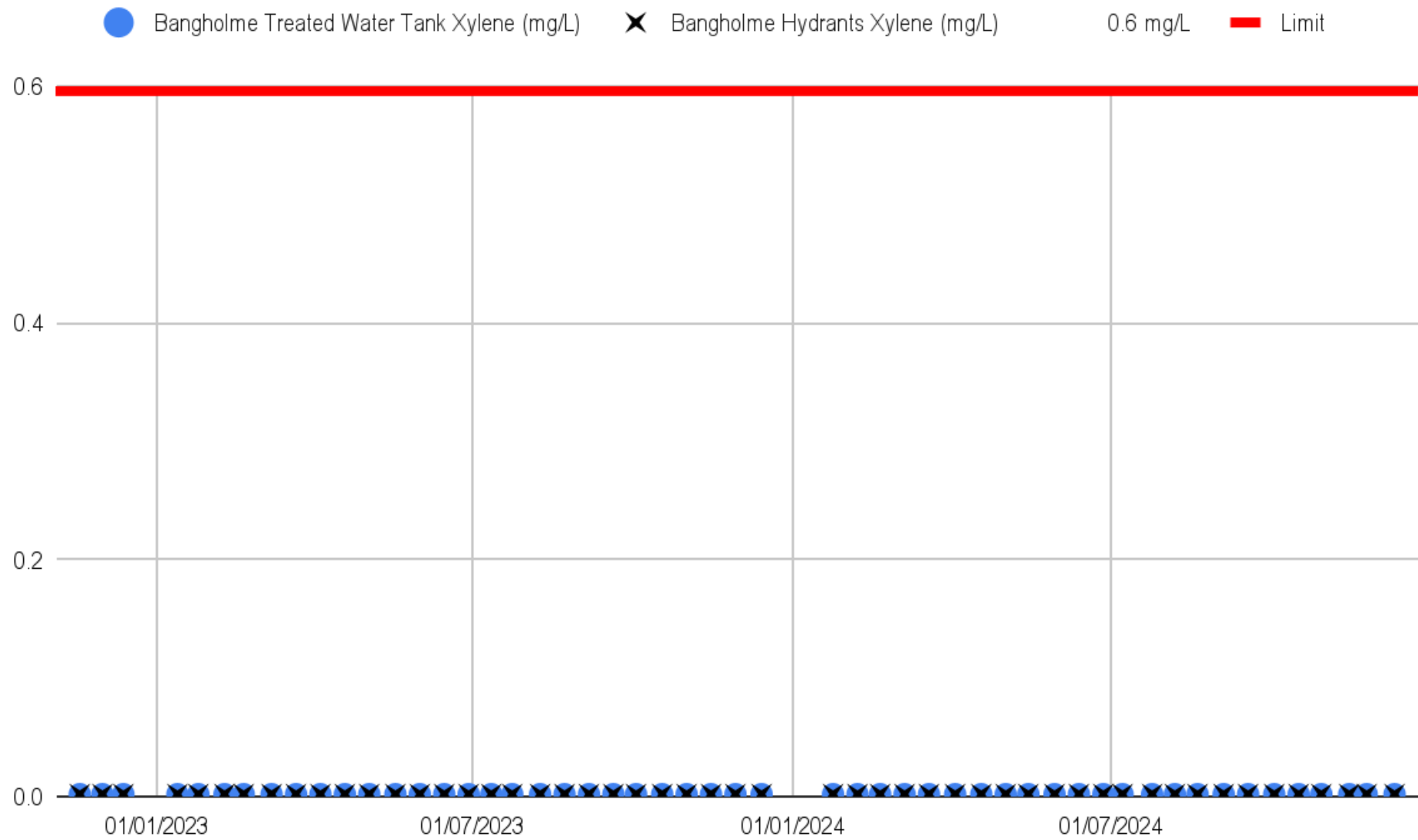


● Bangholme Treated Water Tank Benzene (mg/L) ✕ Bangholme Hydrants Benzene (mg/L) 0.001 mg/L ■ Limit
Non Detect Results ■











Bangholme Treated Water Tank Coliforms (CFU/100mL)

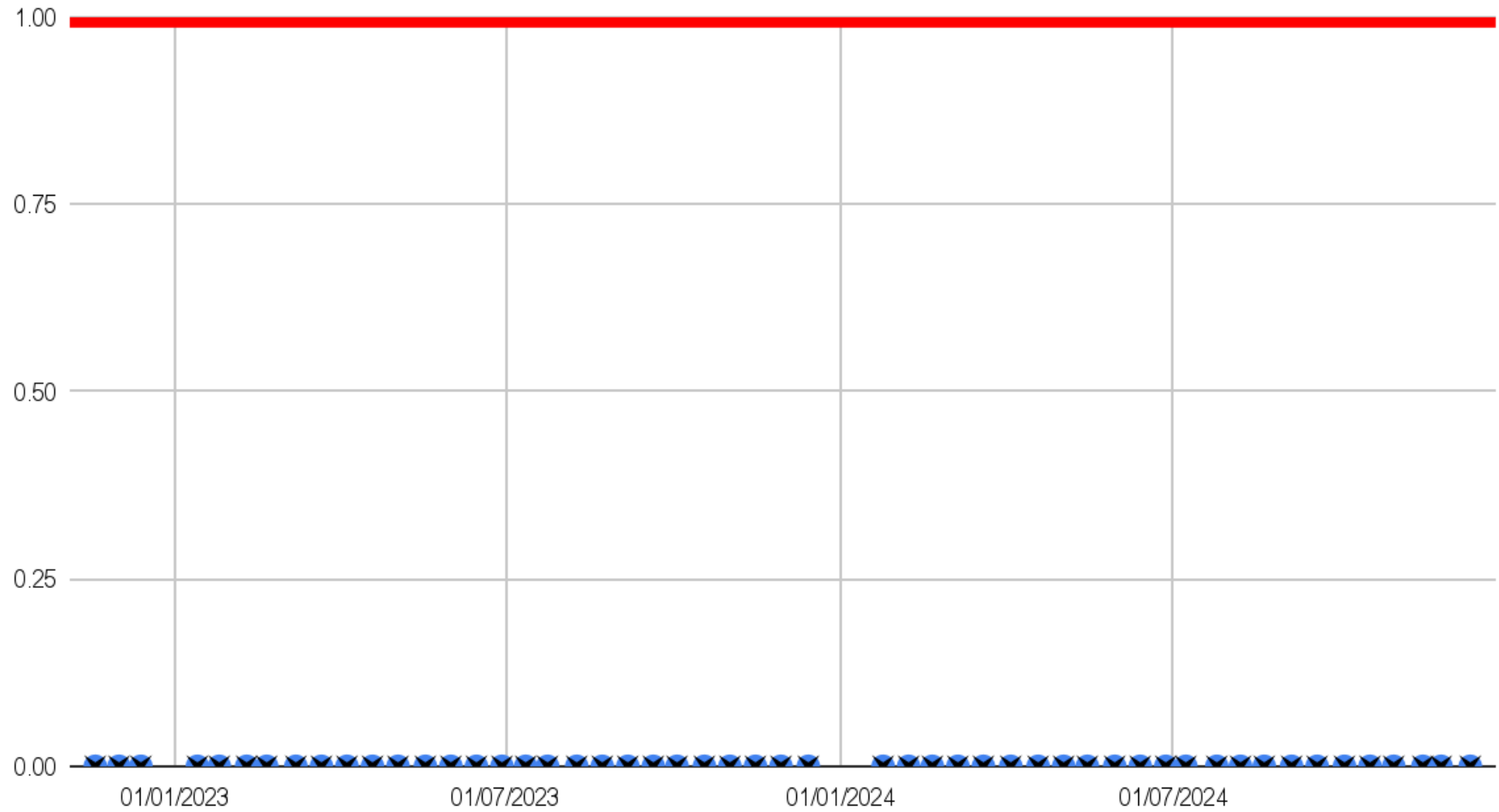


Bangholme Hydrants Coliforms (CFU/100mL)

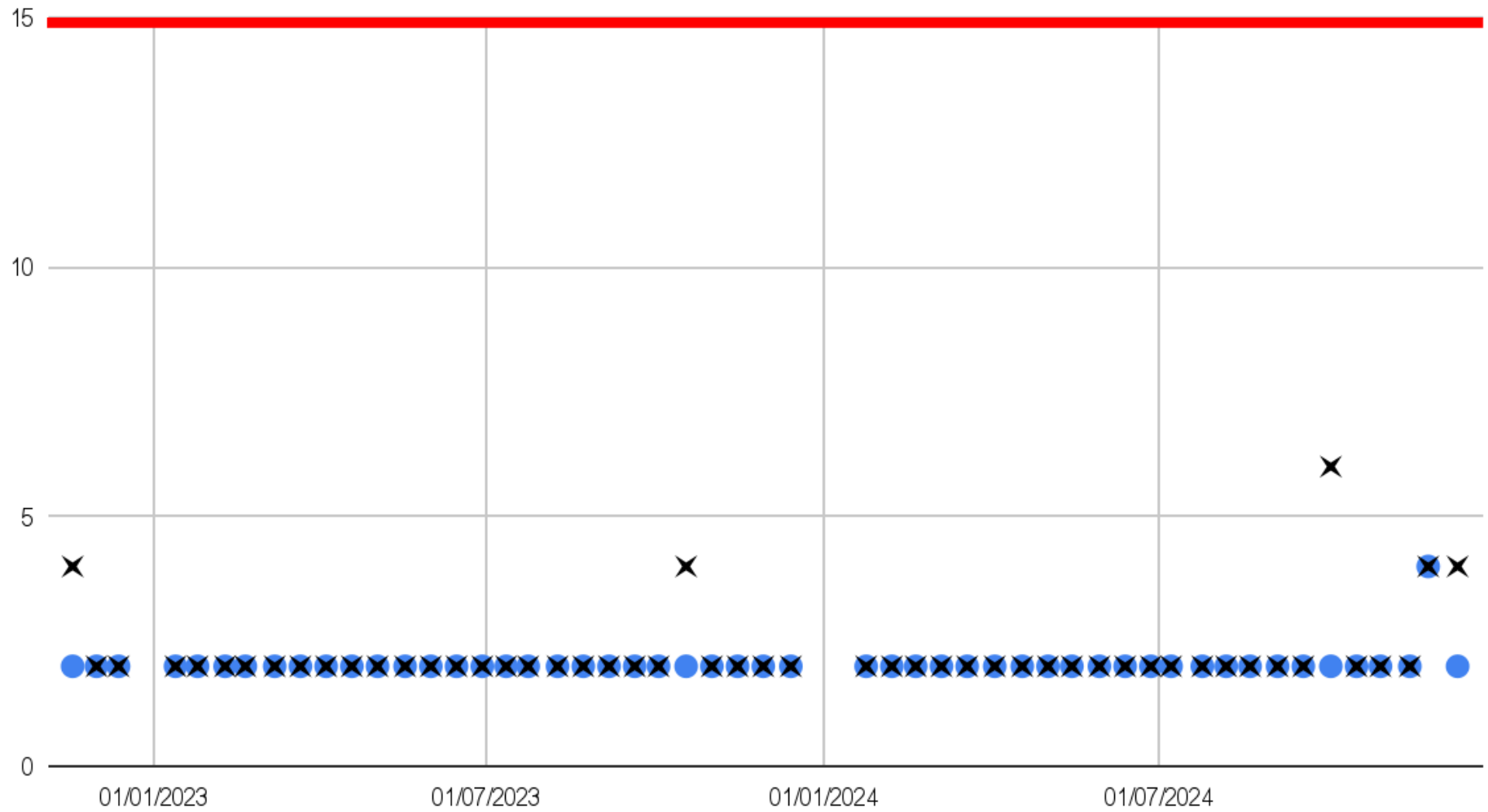
1 CFU/100mL

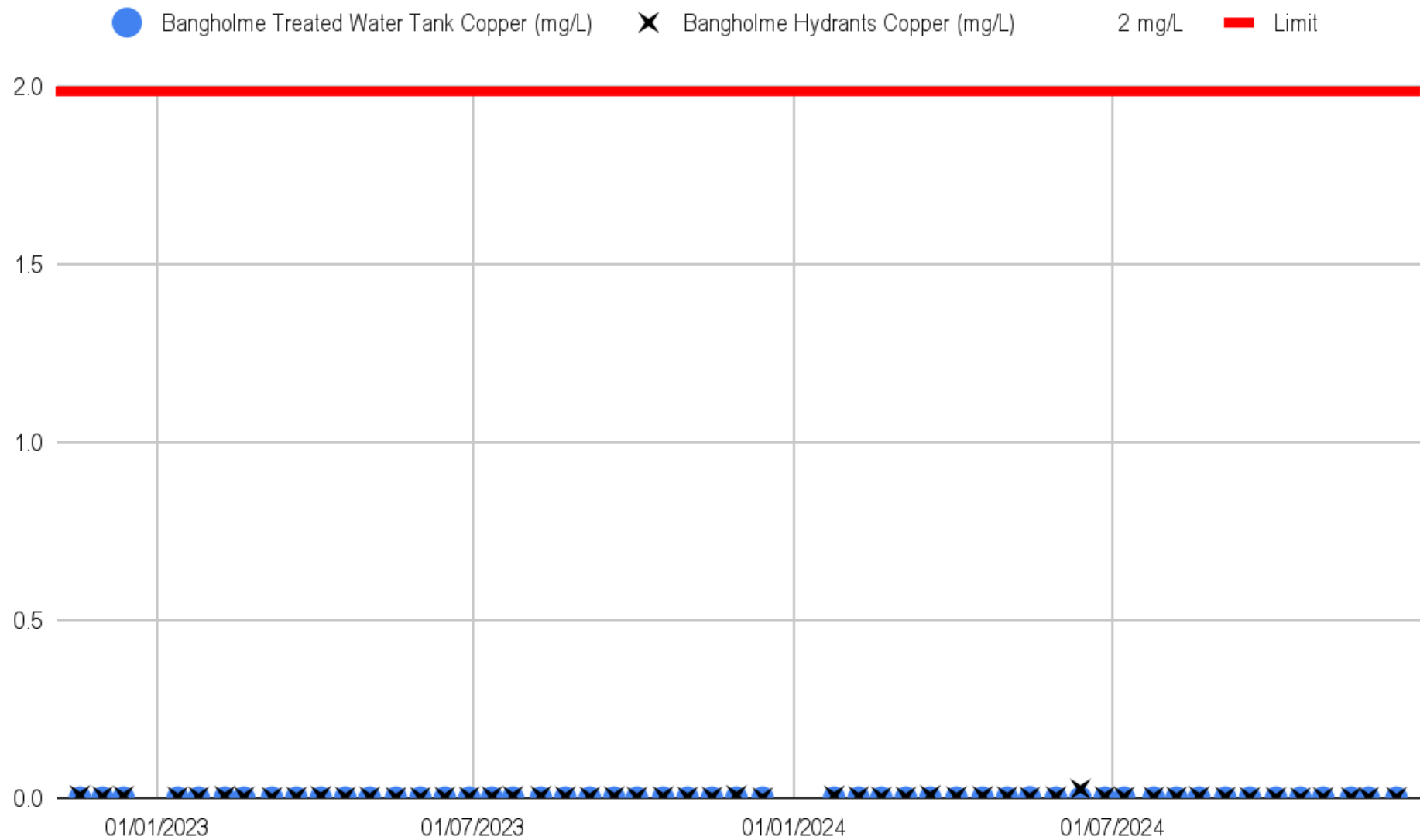


Limit



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







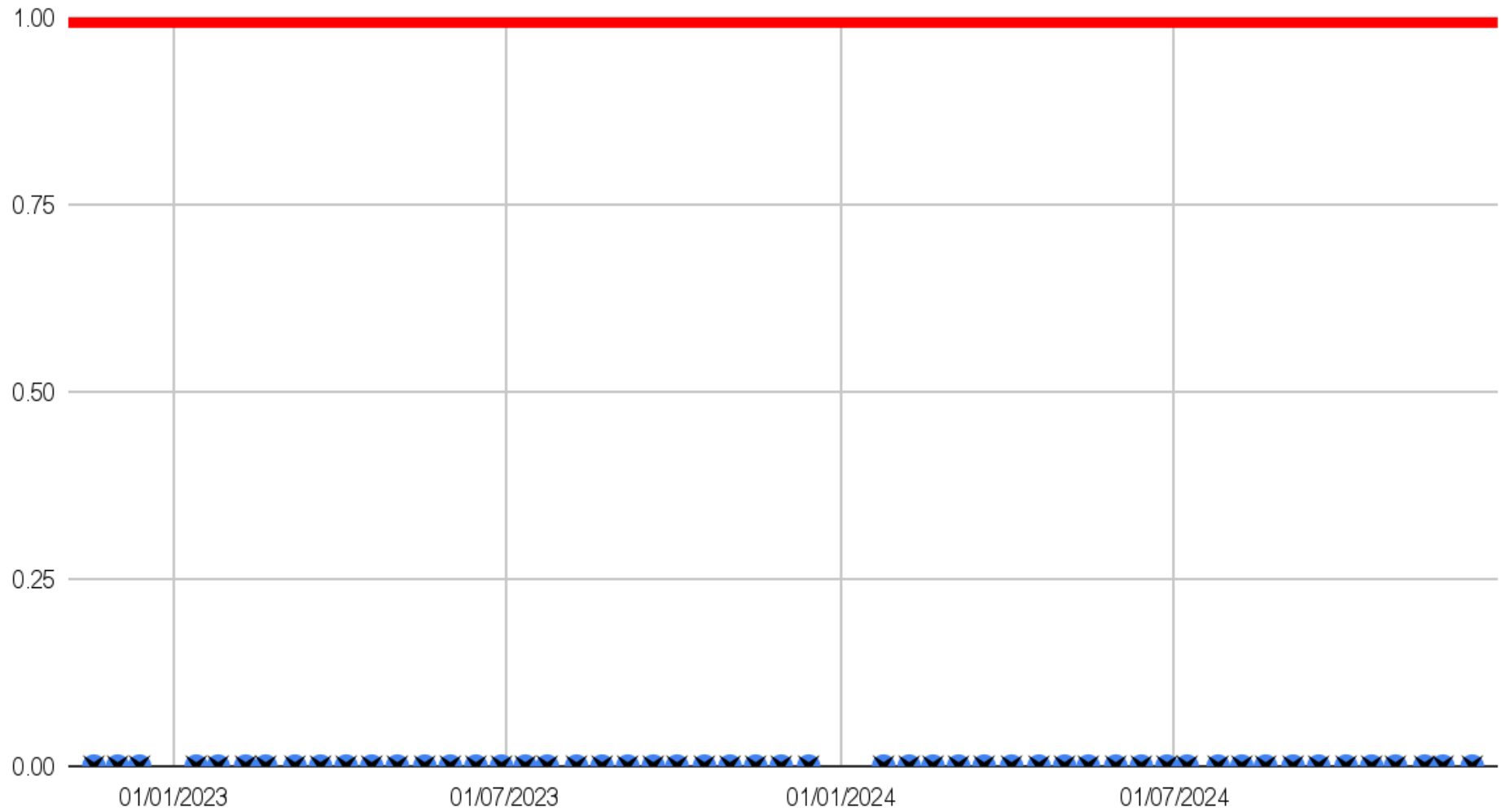
Bangholme Treated Water Tank E.coli (CFU/100mL)

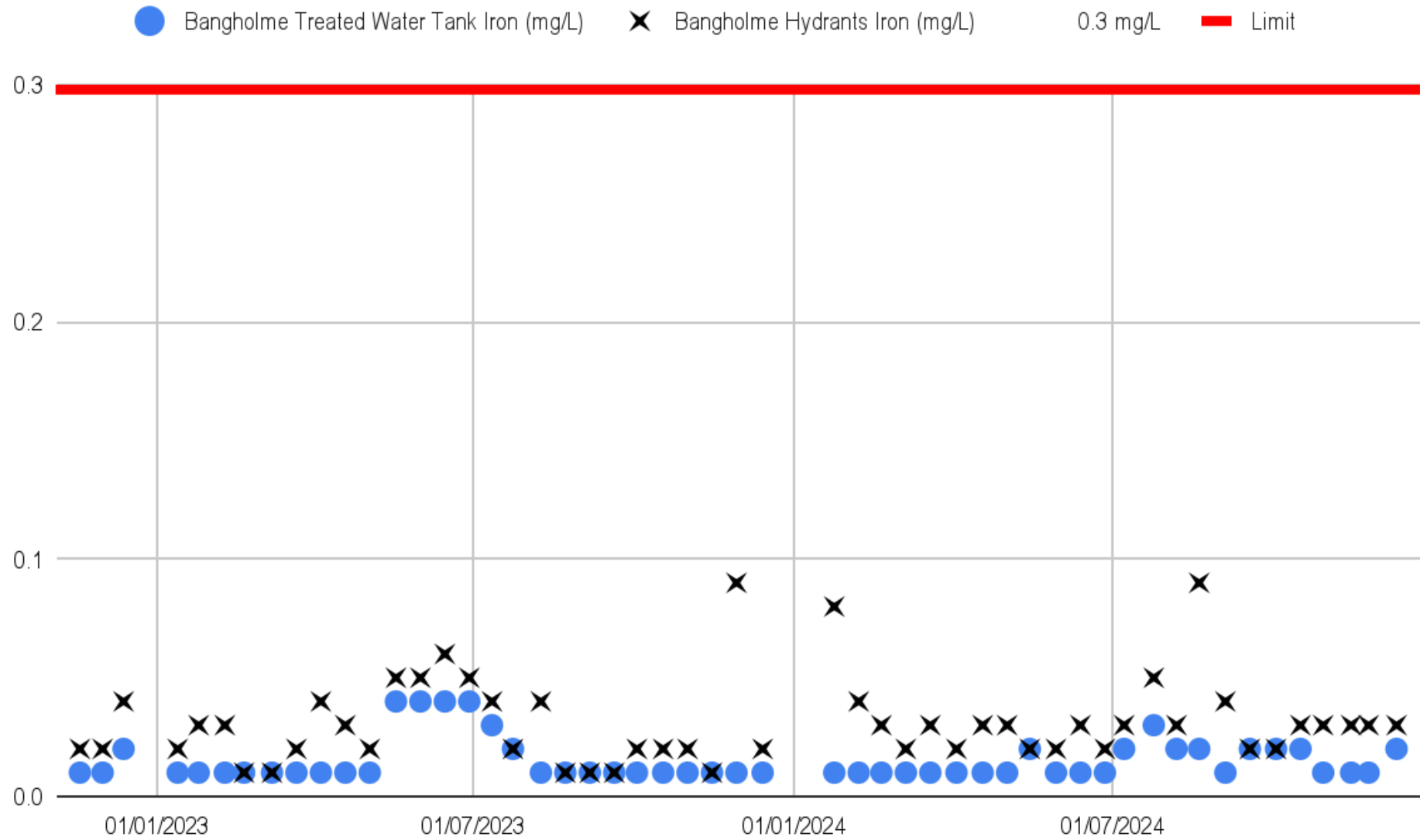


Bangholme Hydrants E.coli (CFU/100mL)

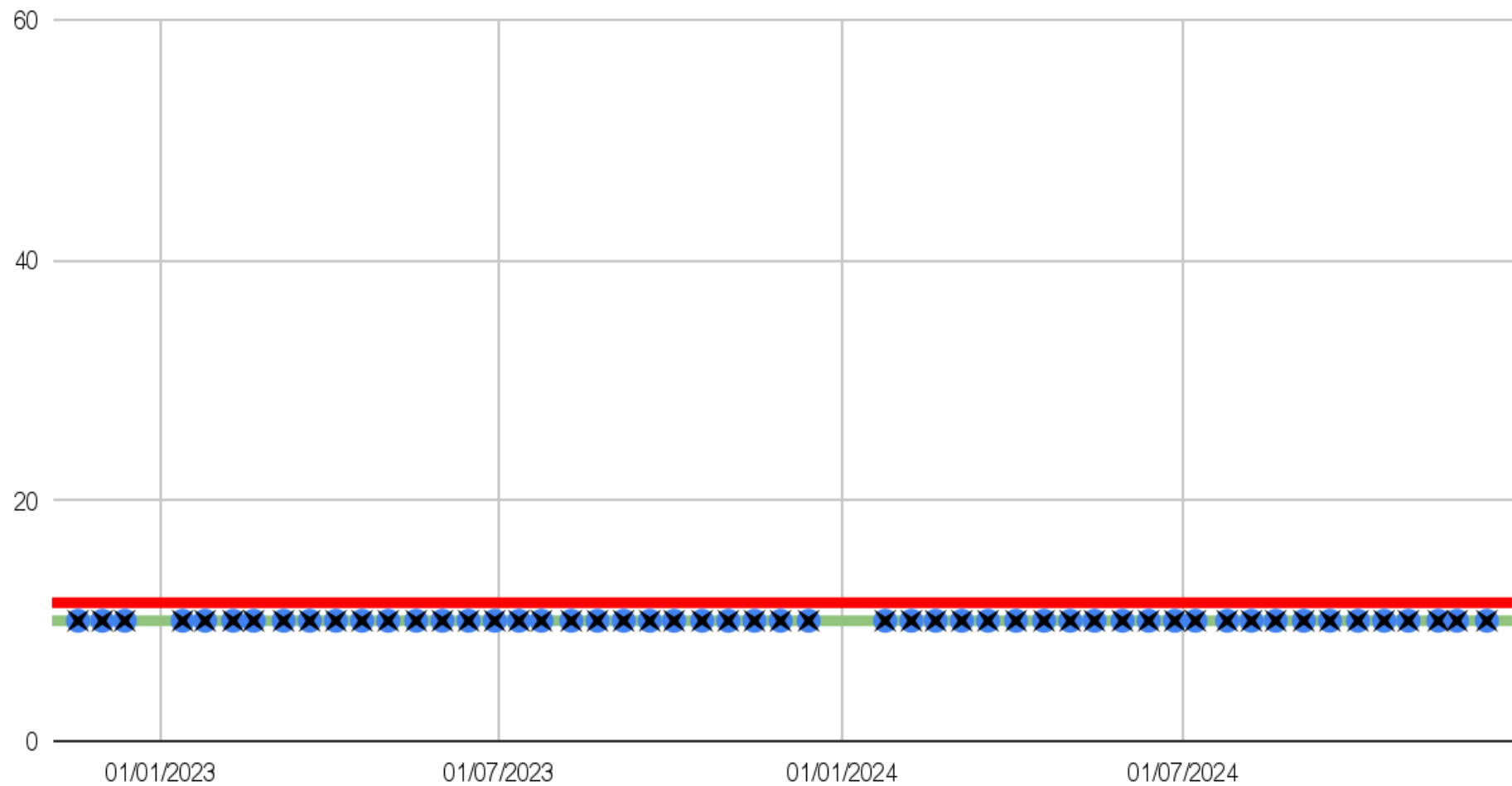
1 CFU/100mL

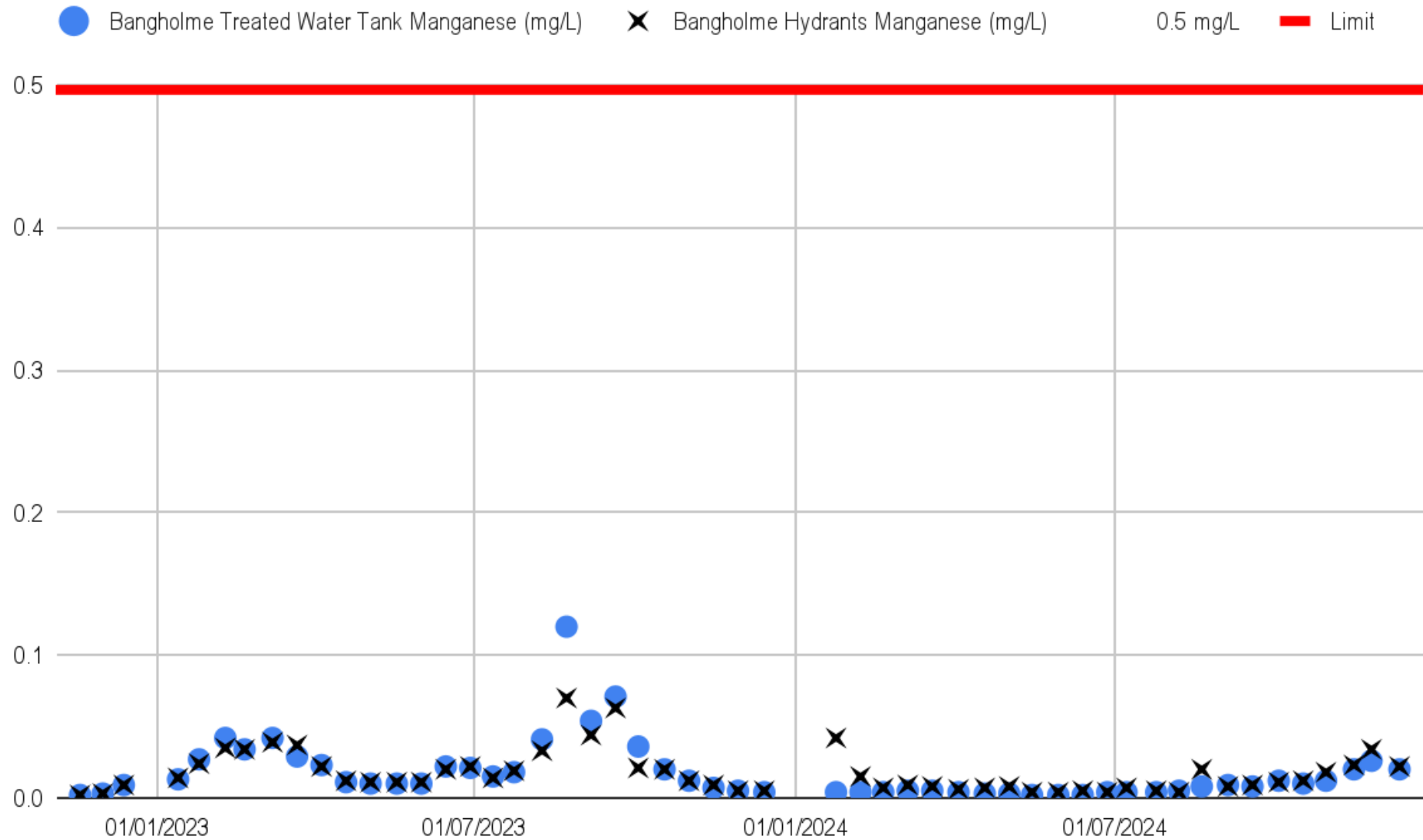
Limit



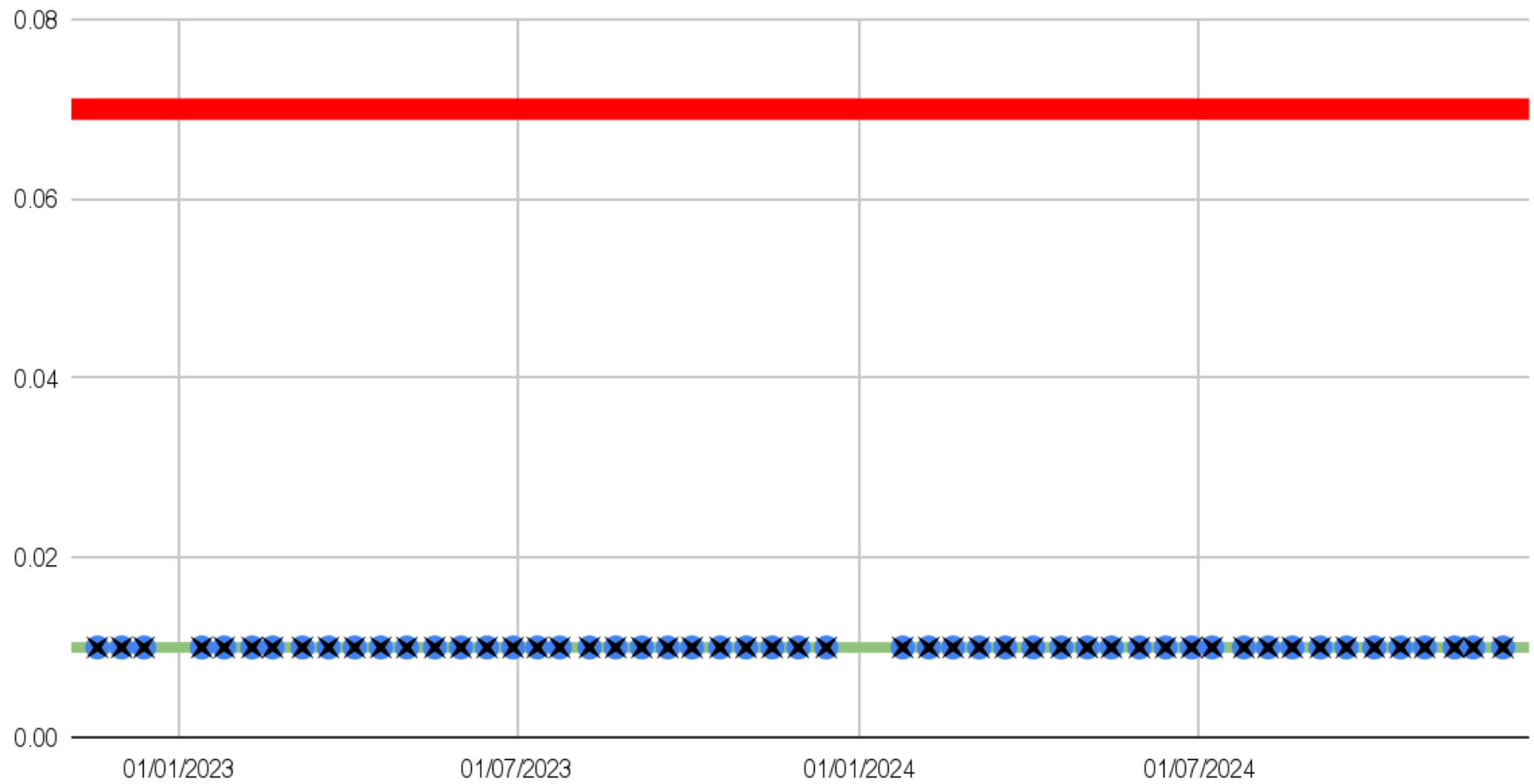


● Bangholme Treated Water Tank Total Legionella (CFU/mL) ✕ Bangholme Hydrants Total Legionella (CFU/mL) 10 CFU/mL ■ Limit
Non Detect Results ■



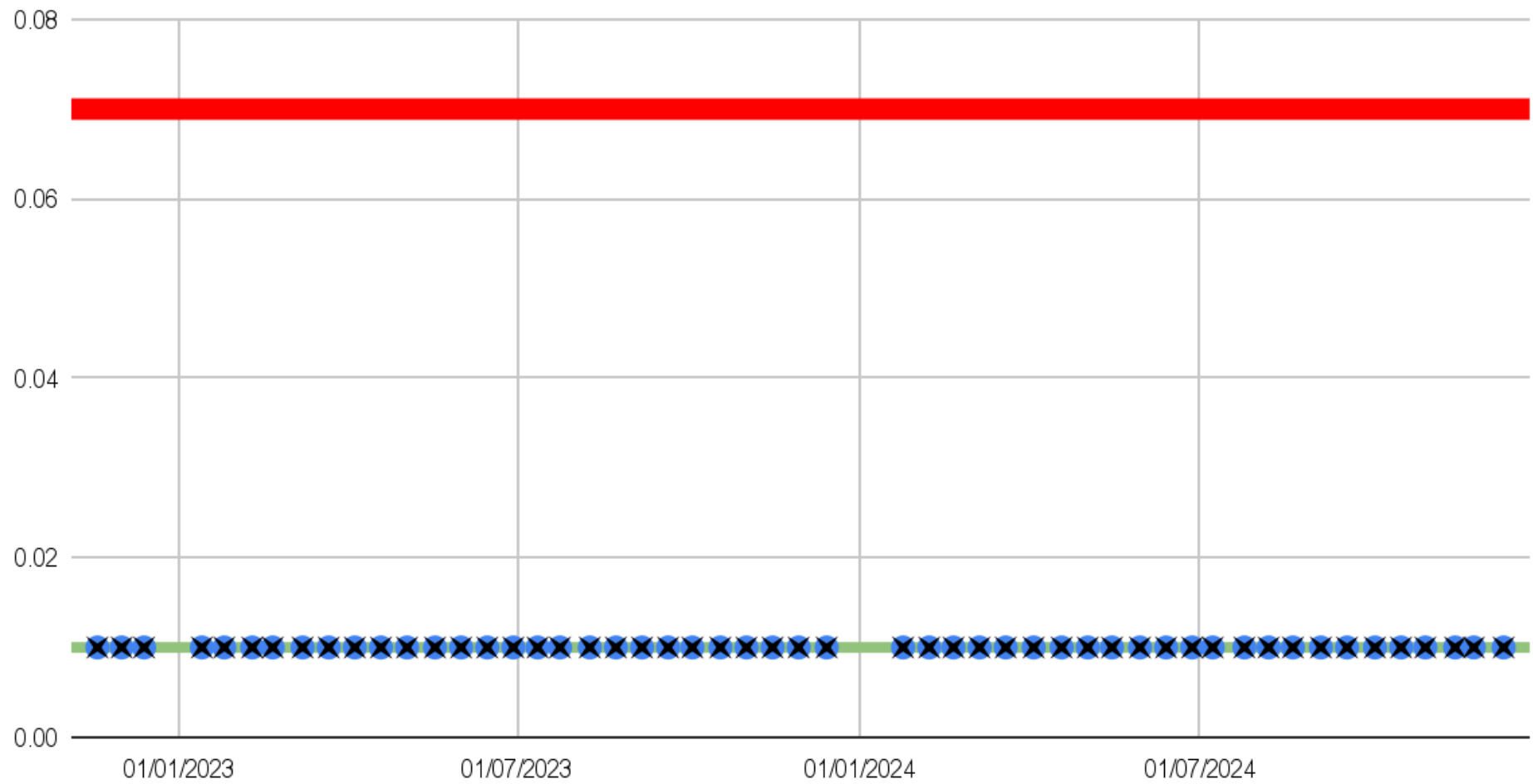


● Bangholme Treated Water Tank PFOA (µg/L) ✕ Bangholme Hydrants PFOA (µg/L) PFOA + PFOS 0.07 µg/L ■ Limit
Non Detect Results ■

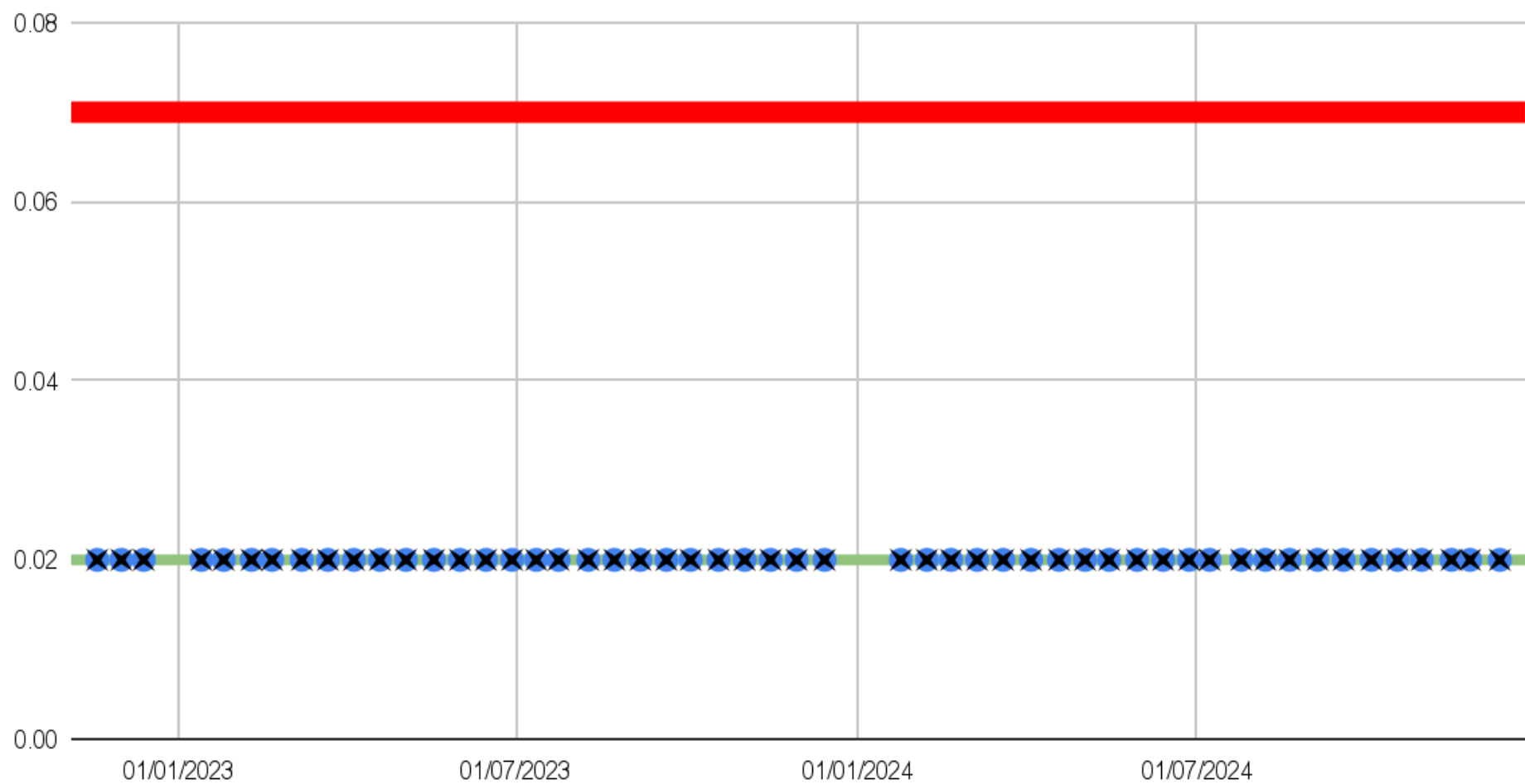


● Bangholme Treated Water Tank PFOS ($\mu\text{g/L}$) ✕ Bangholme Hydrants PFOS ($\mu\text{g/L}$) PFOA + PFOS $0.07 \mu\text{g/L}$ ■ Limit

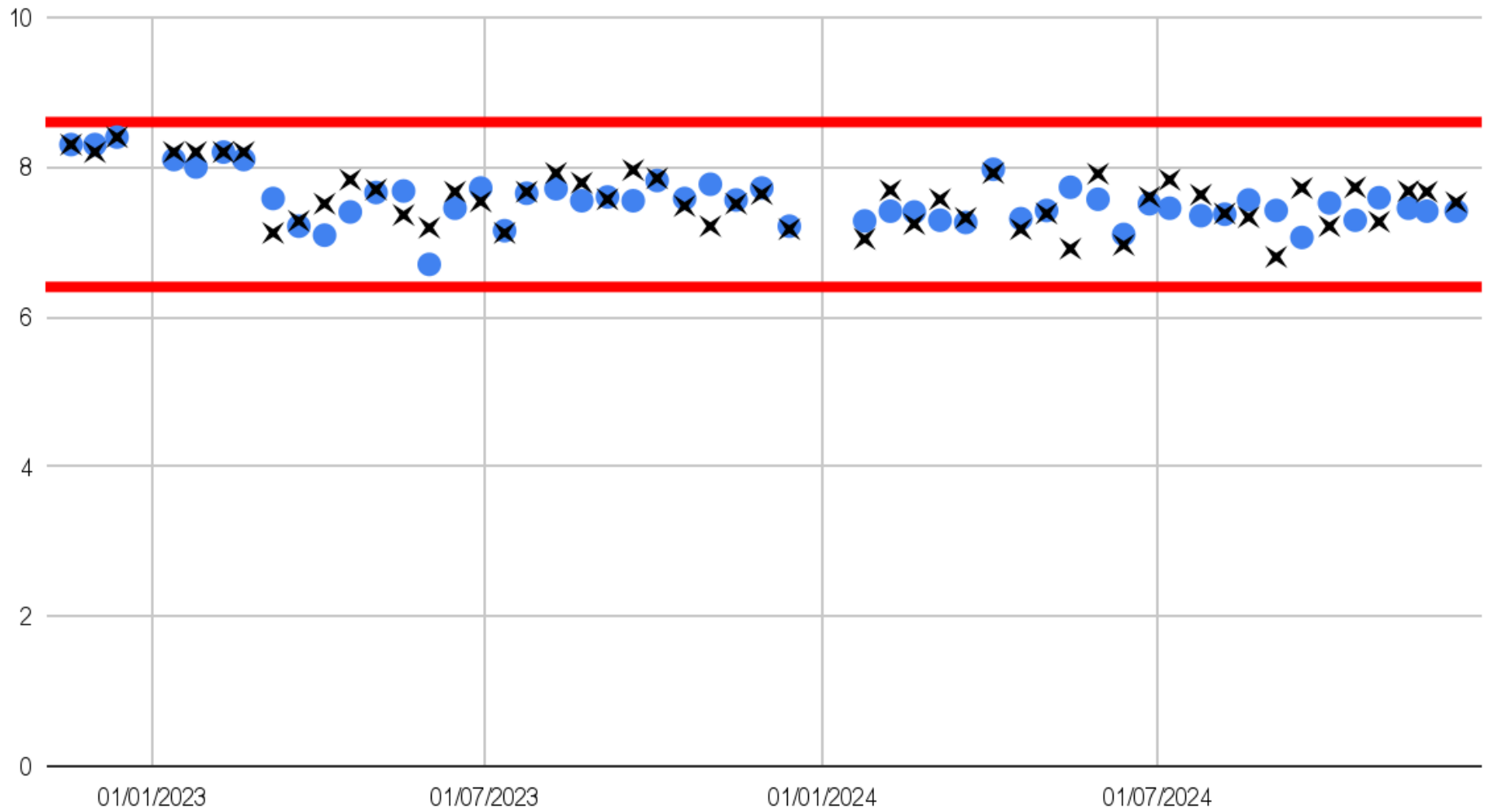
Non Detect Results ■

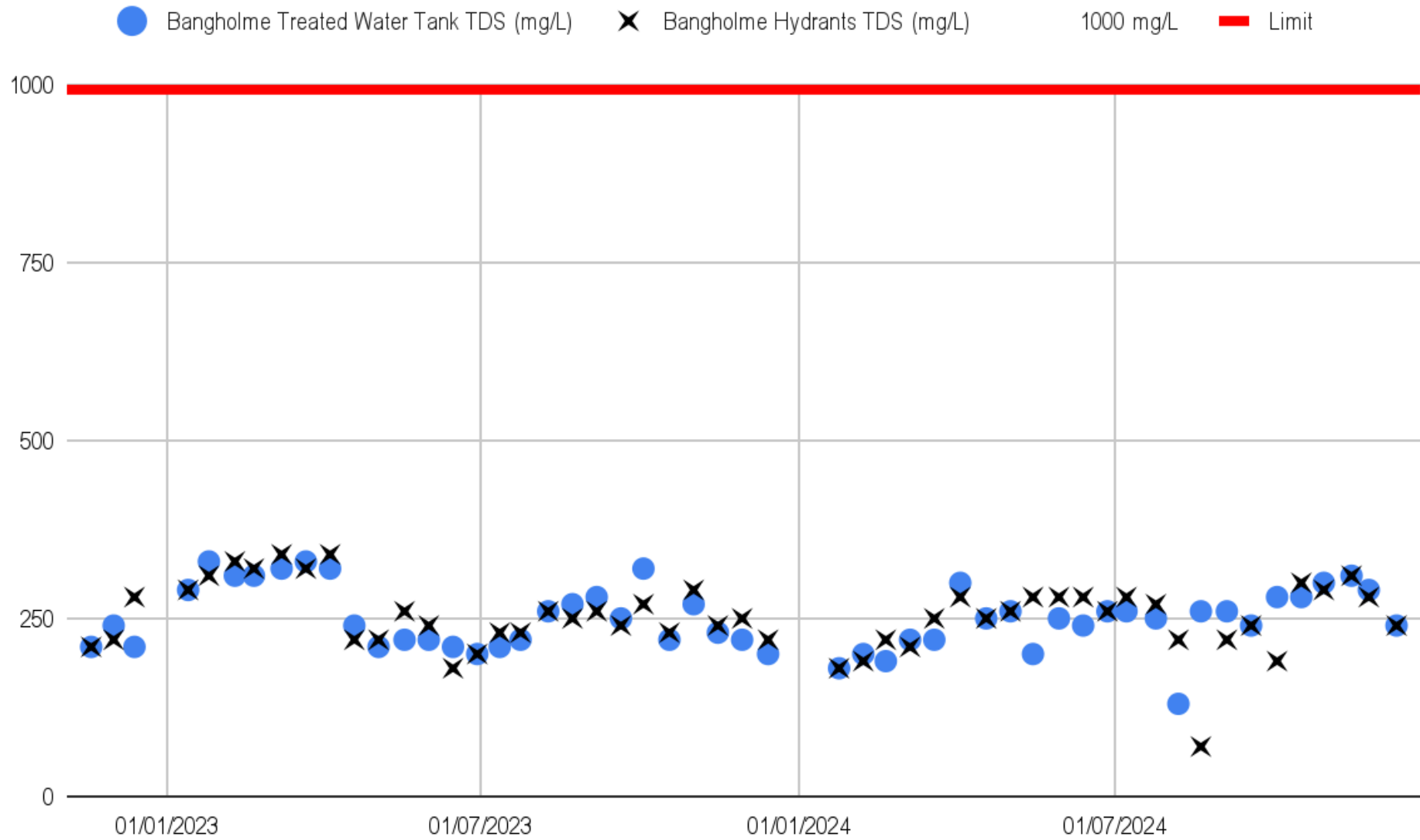


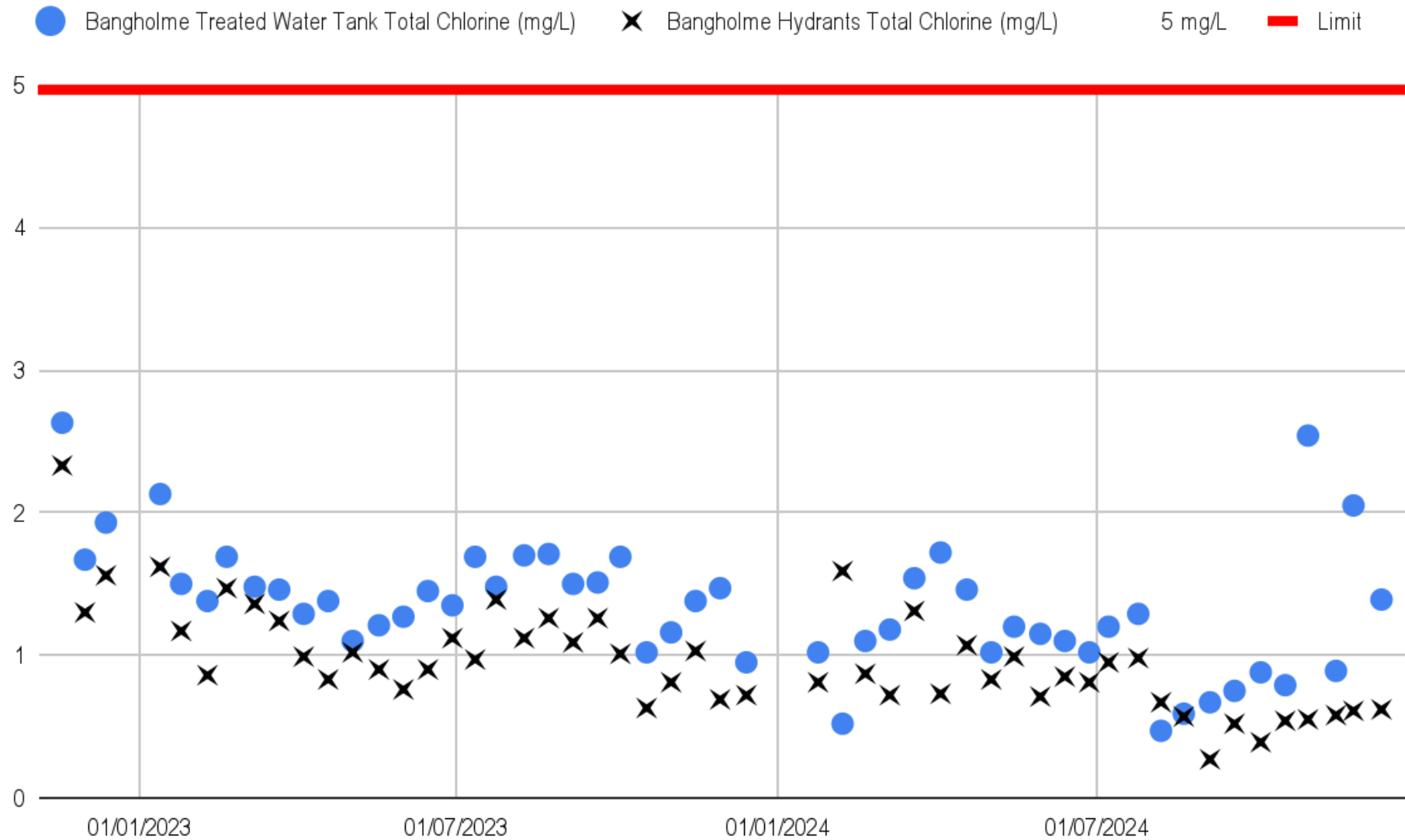
● Bangholme Treated Water Tank PFHxS (µg/L) ✕ Bangholme Hydrants PFHxS (µg/L) PFOS + PFHxS 0.07 µg/L — Limit
Non Detect Results —

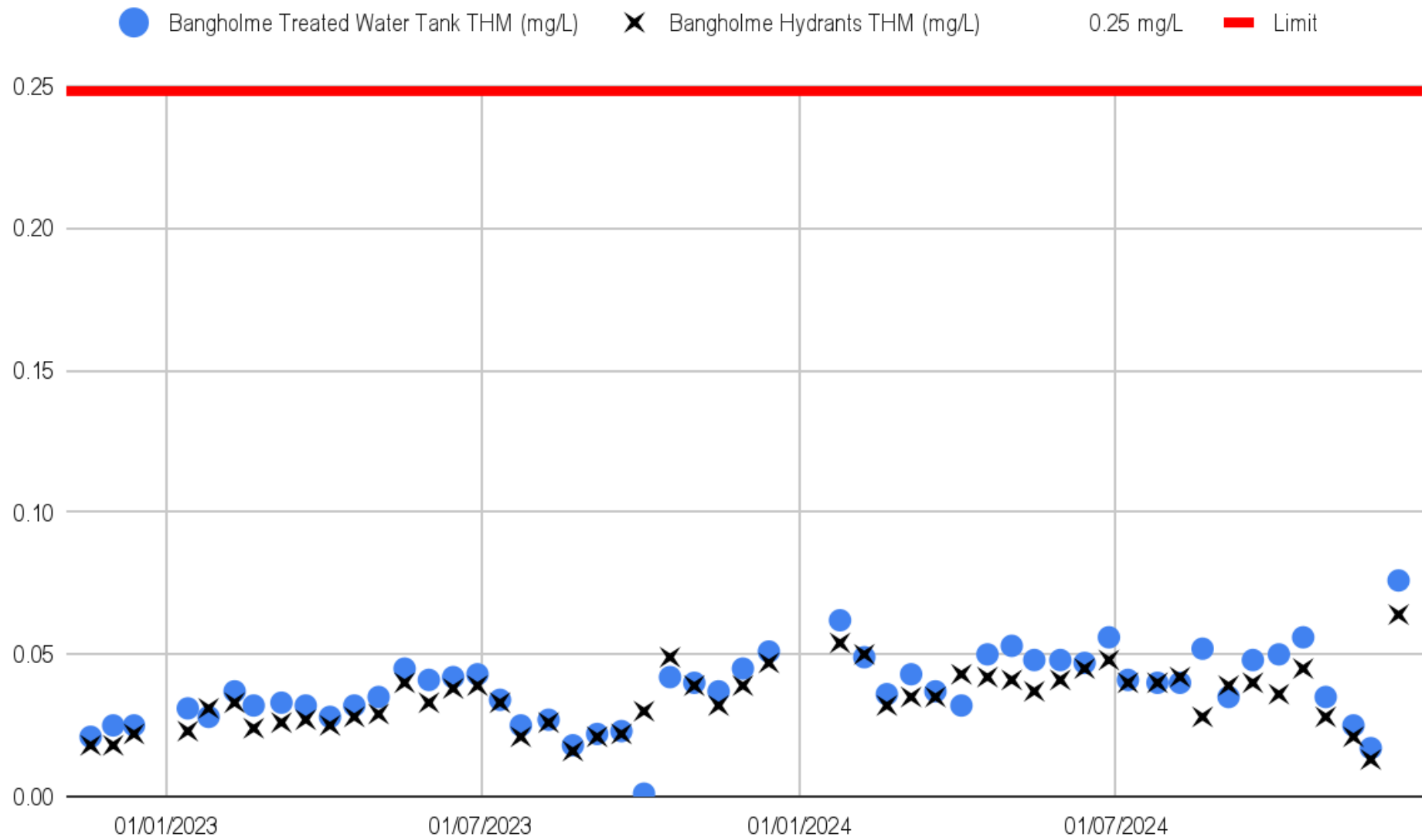


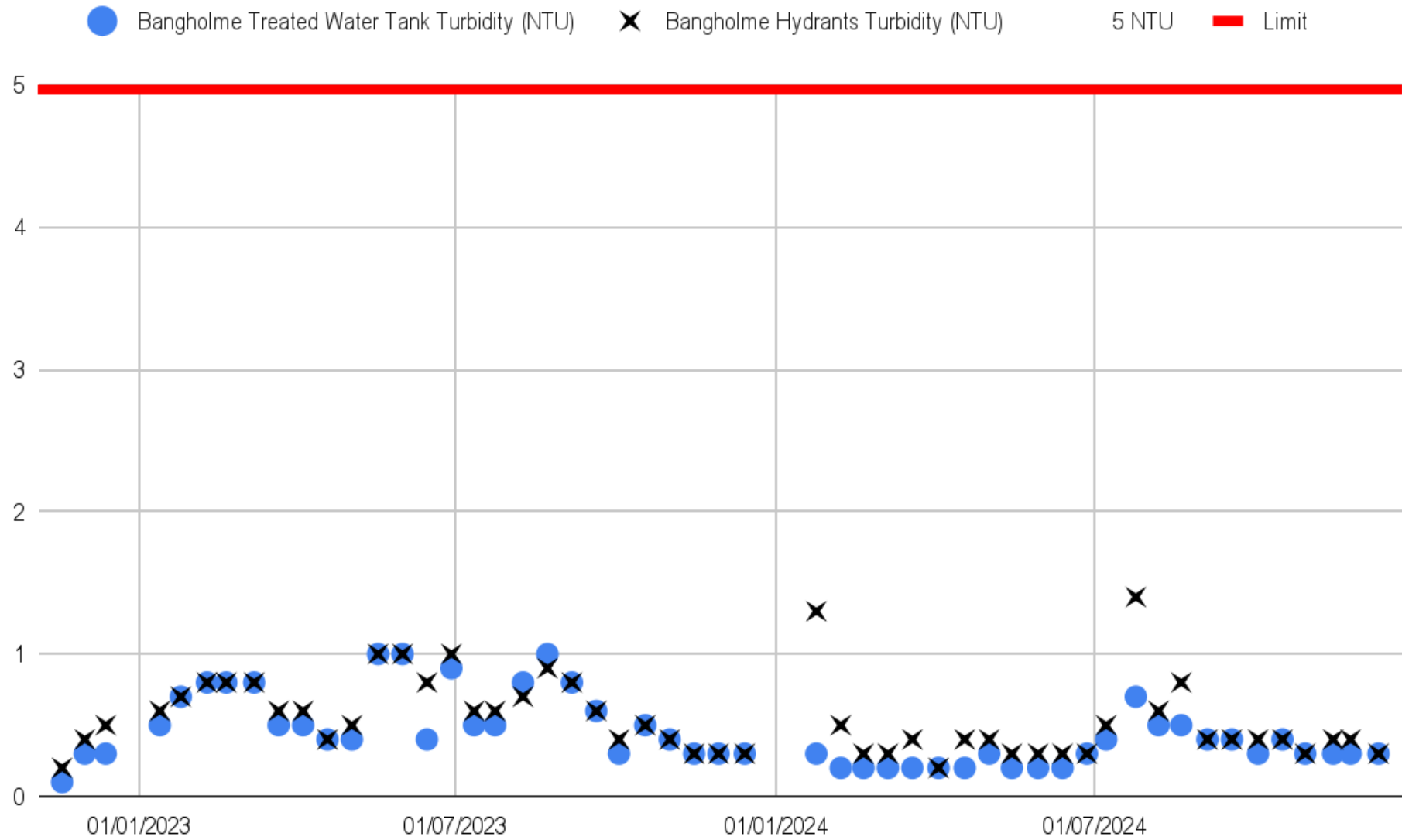
● Bangholme Treated Water Tank pH (-) ✕ Bangholme Hydrants pH (-) 6.5 Limit 8.5 Limit



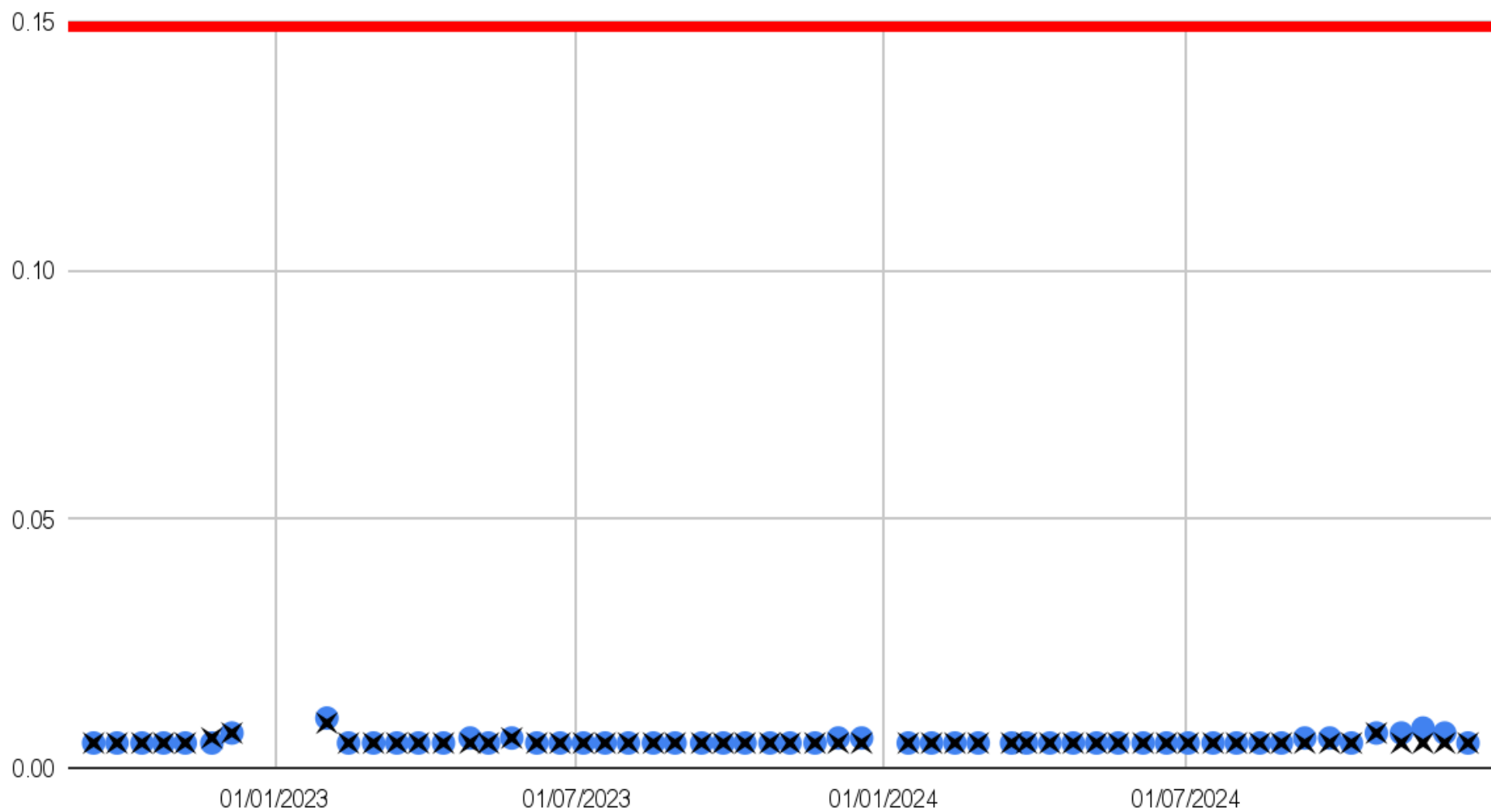


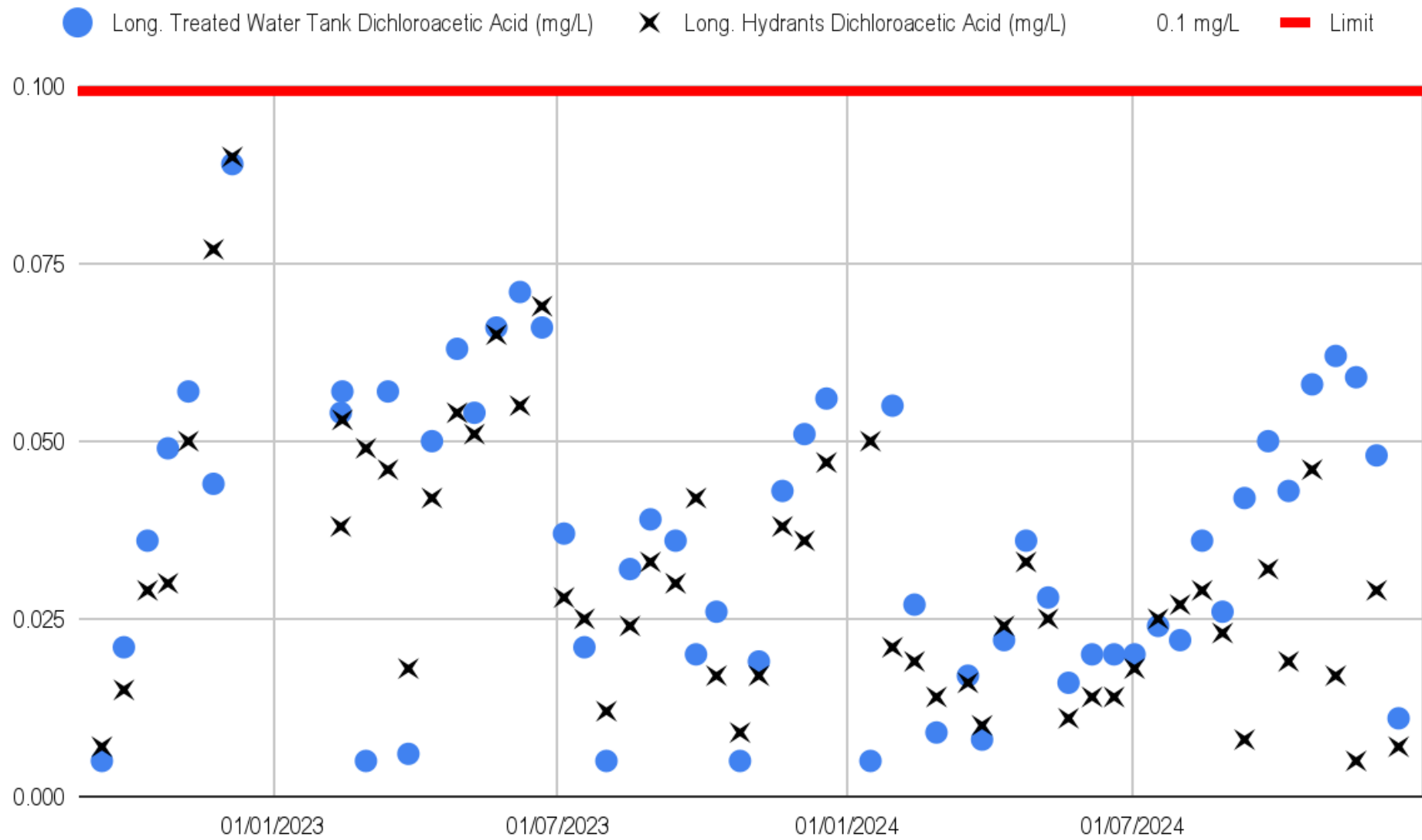


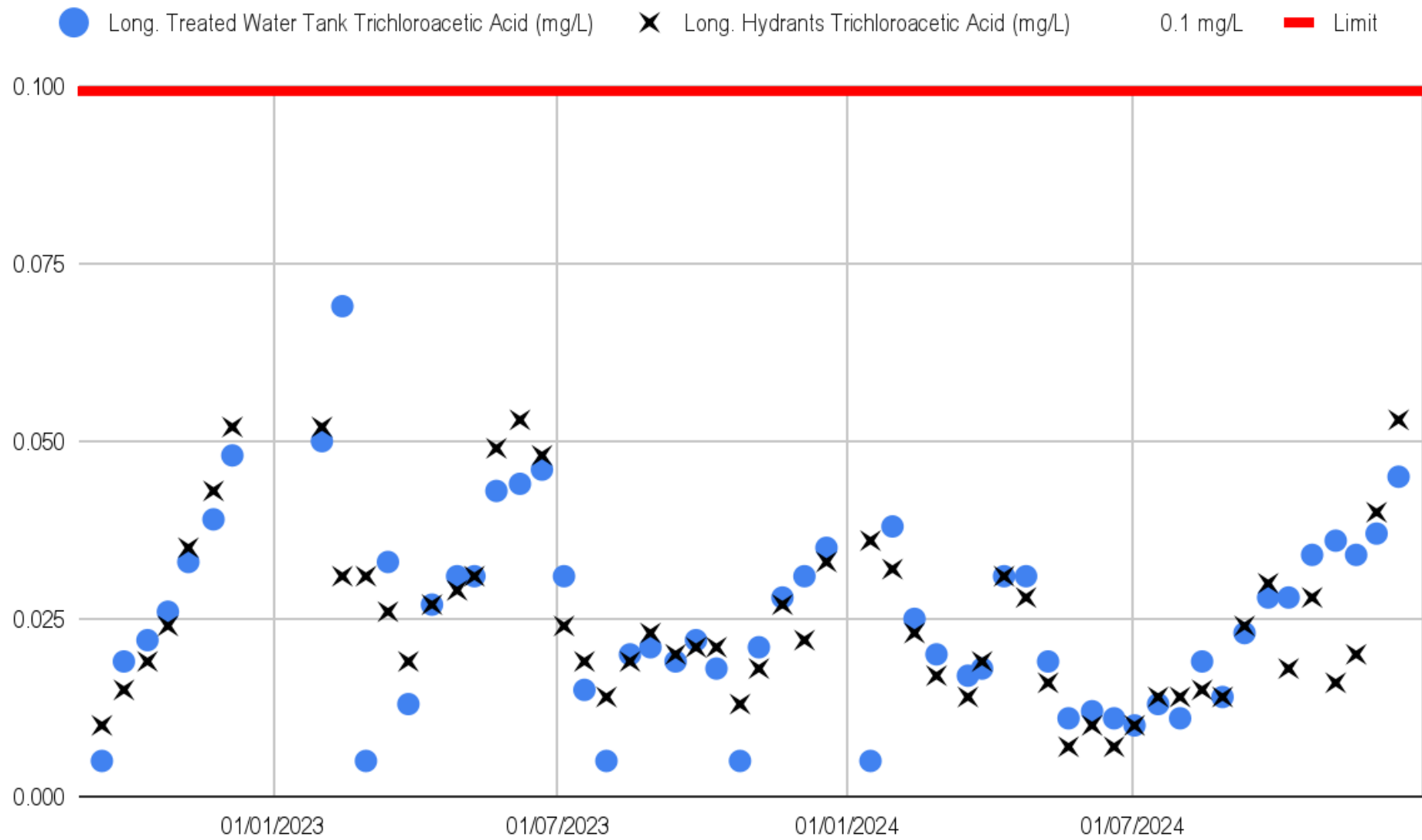


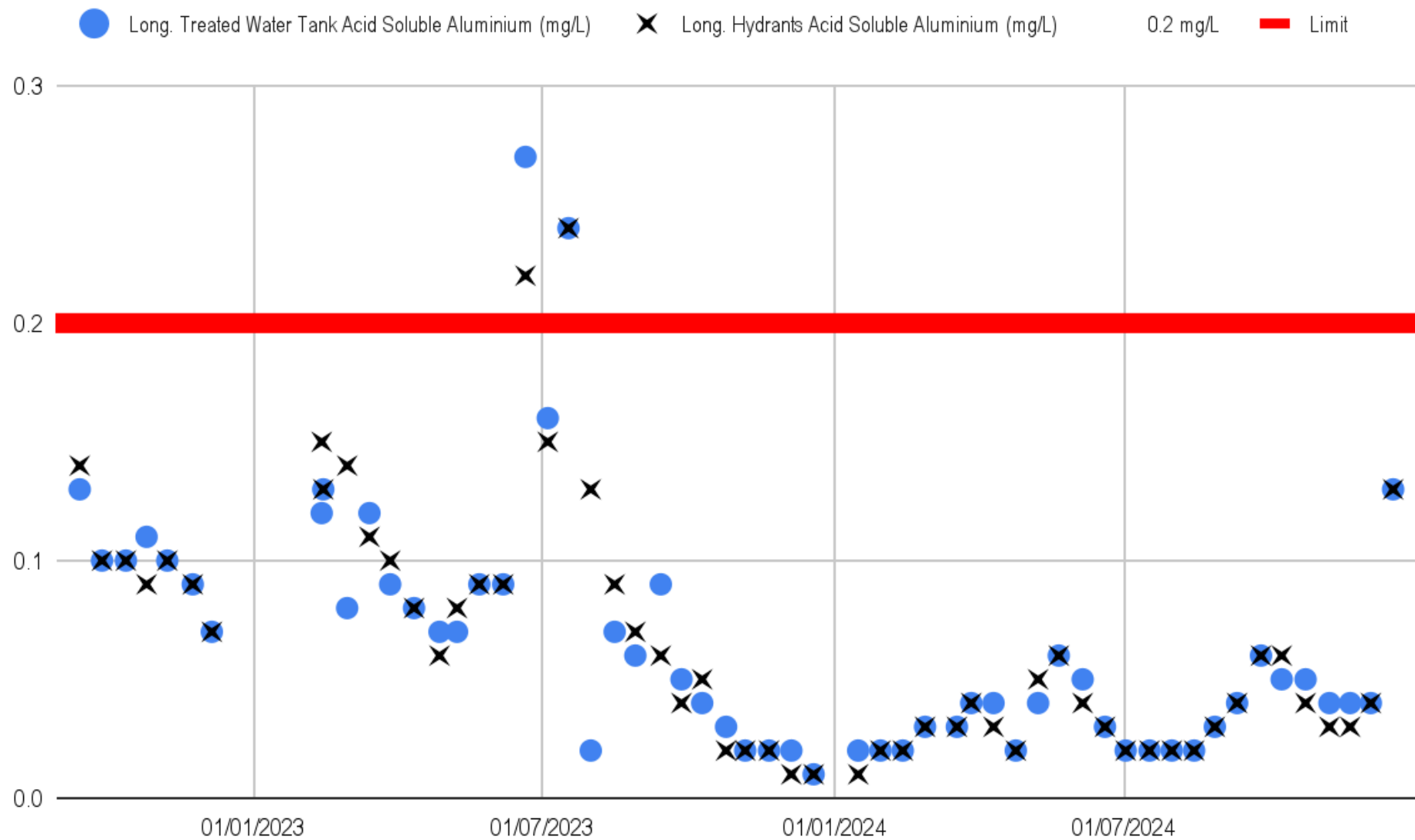


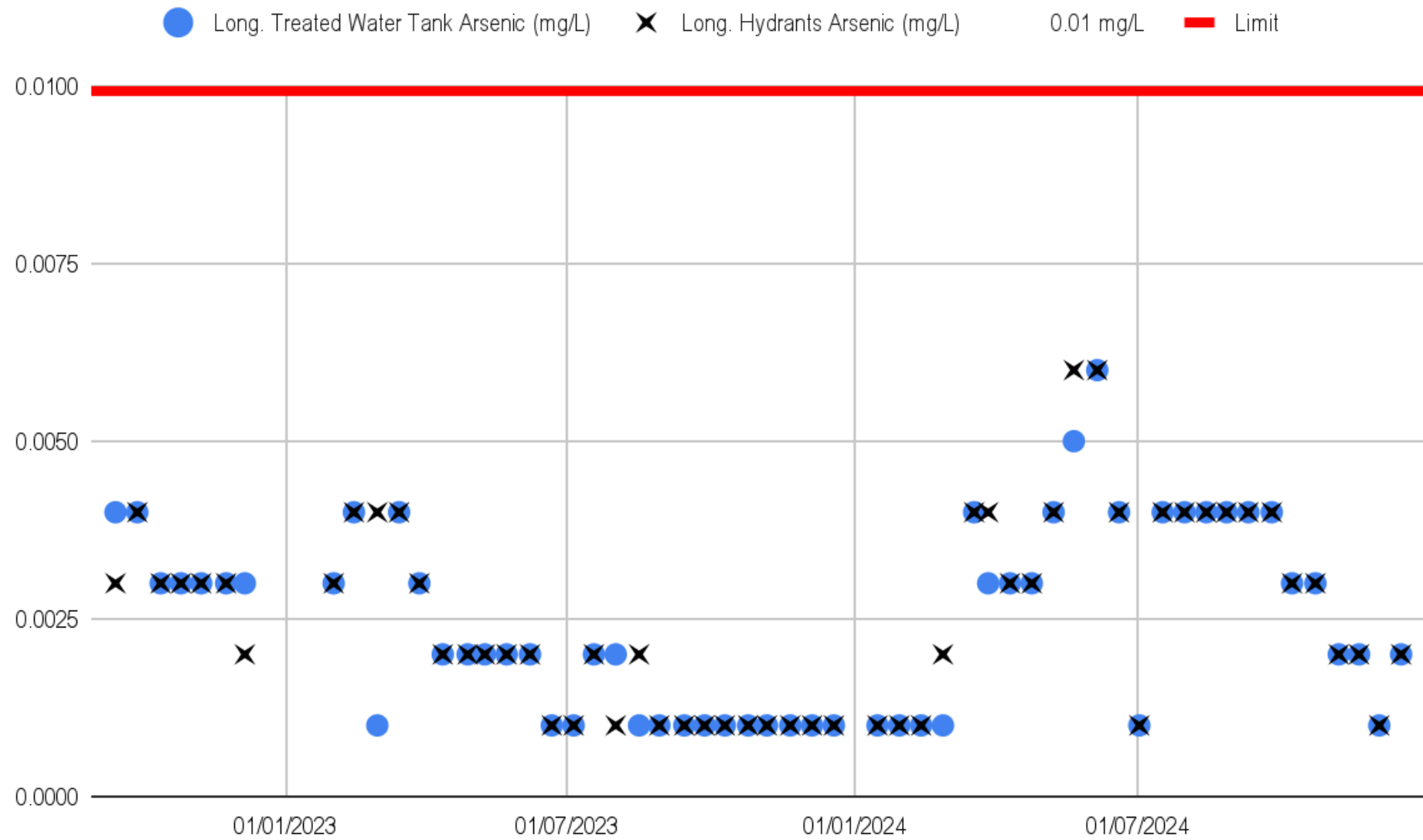
● Long. Treated Water Tank Chloroacetic Acid (mg/L) ✕ Long. Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L — Limit



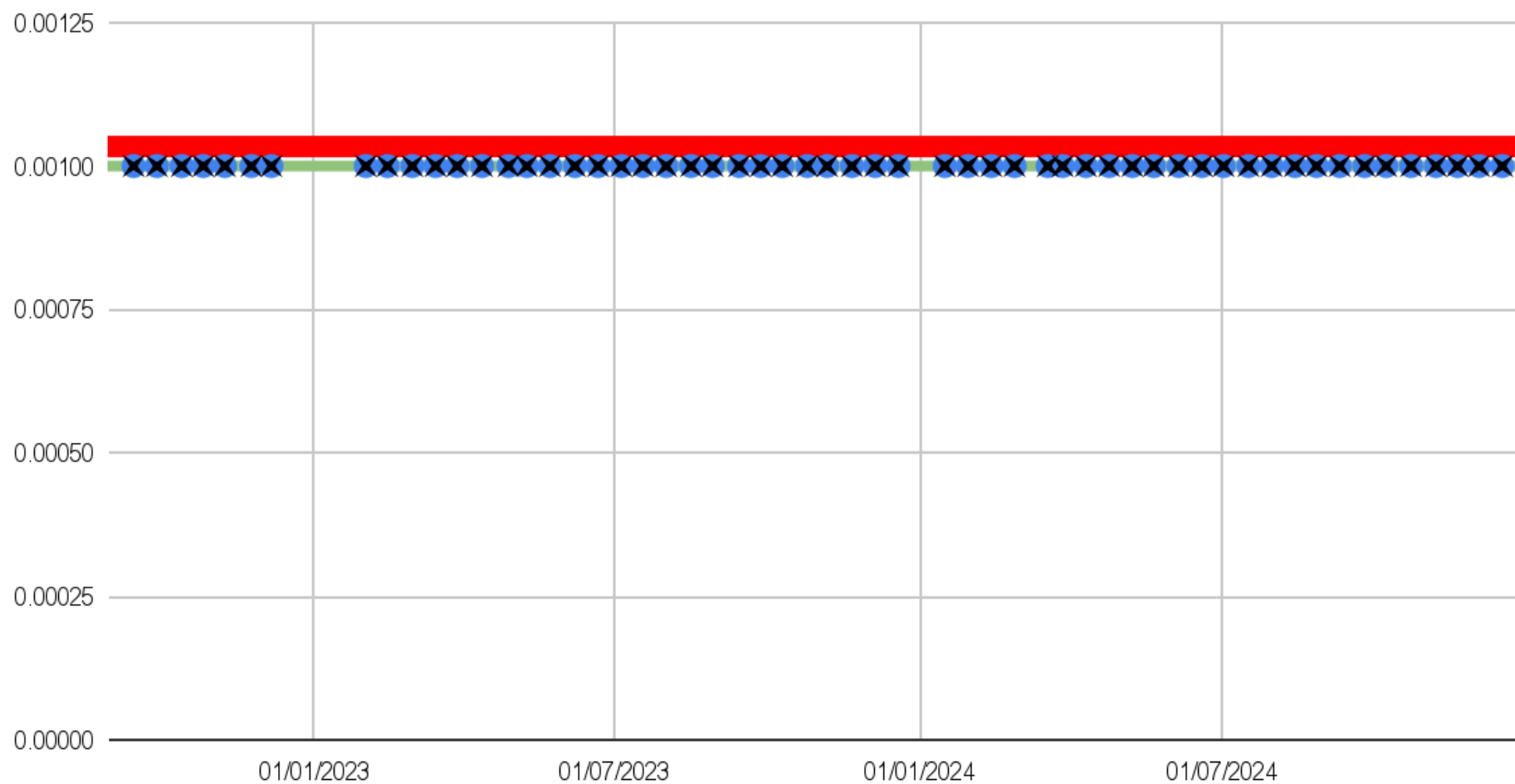


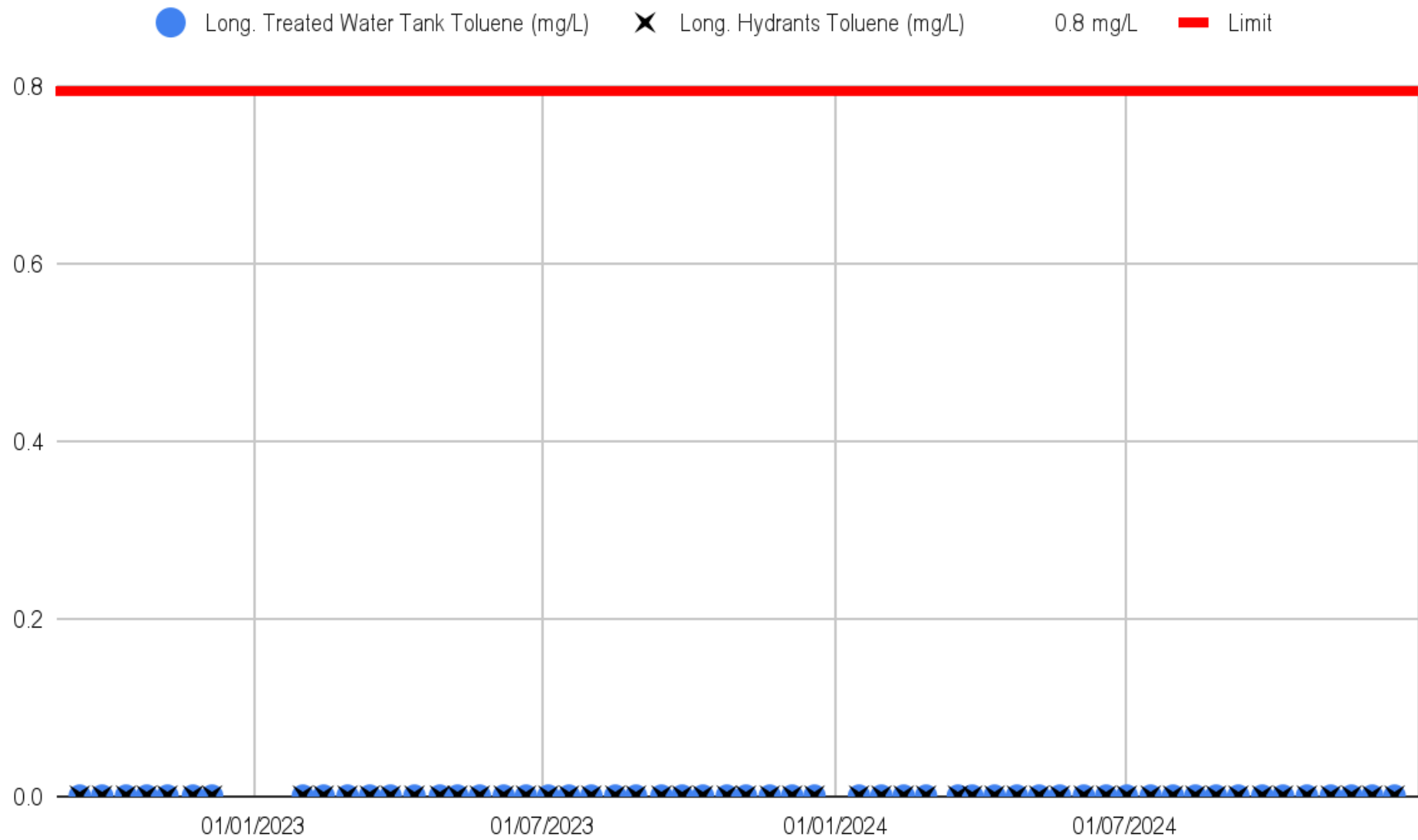


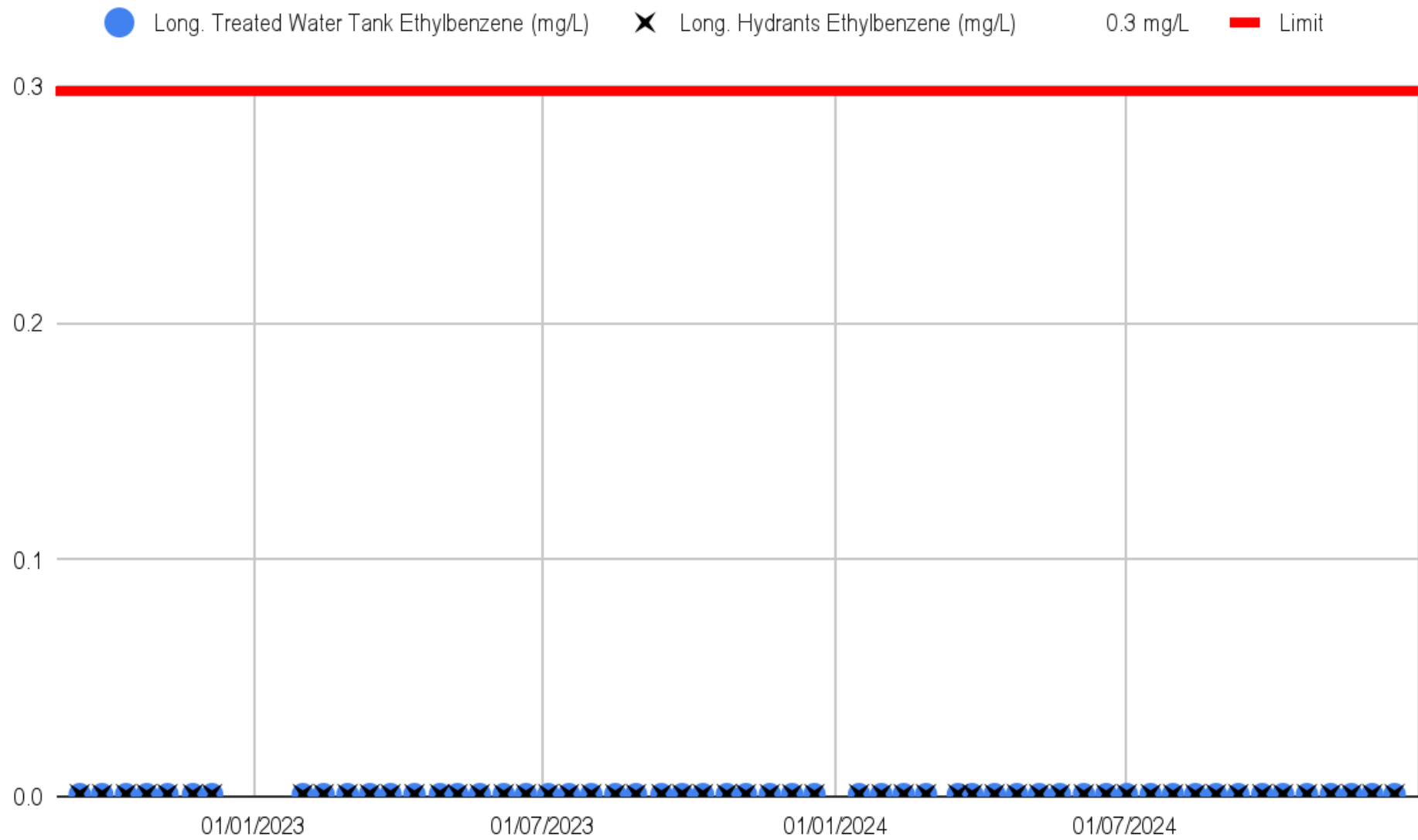


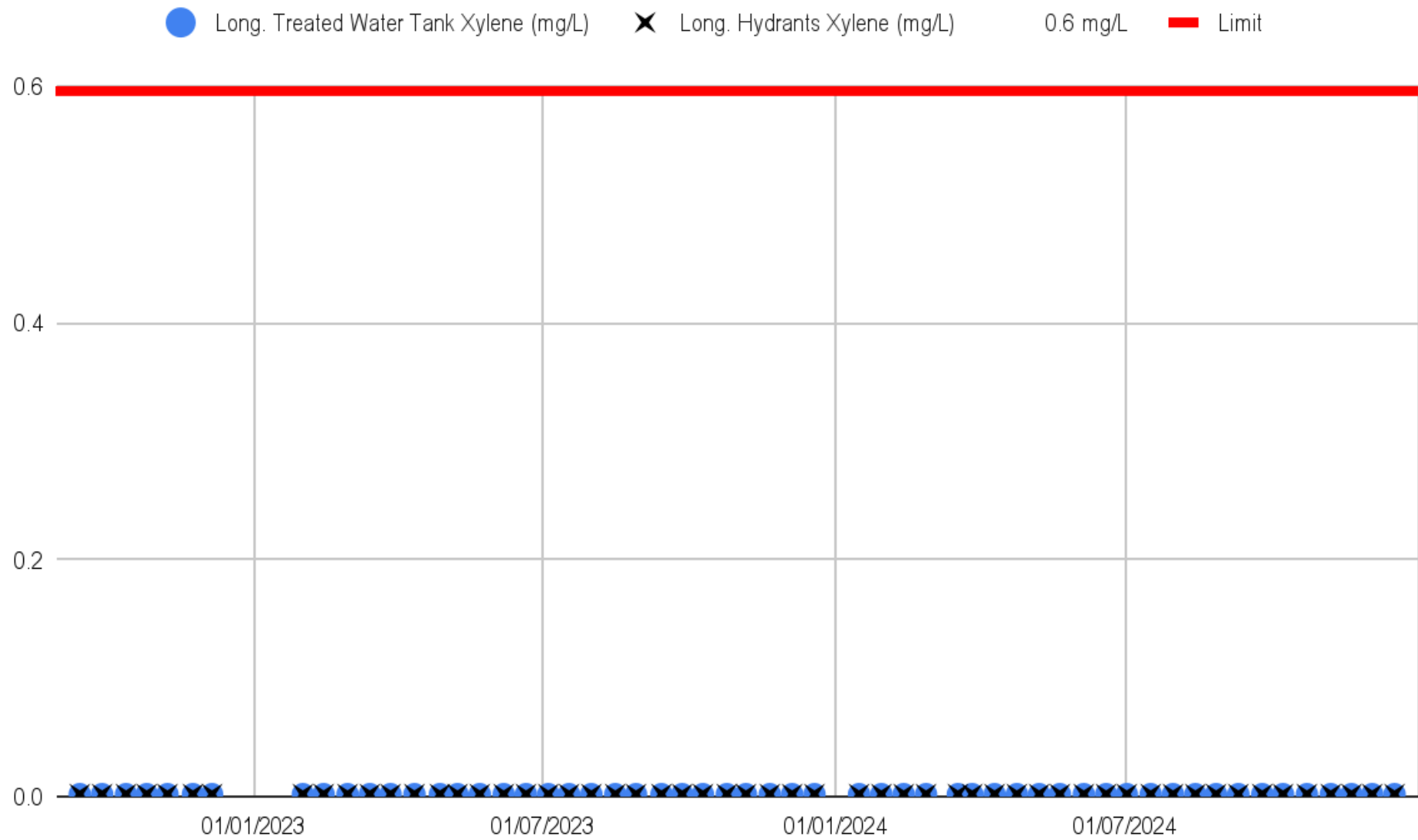


● Long. Treated Water Tank Benzene (mg/L) ✕ Long. Hydrants Benzene (mg/L) 0.001 mg/L ■ Limit
Non Detect Results ■

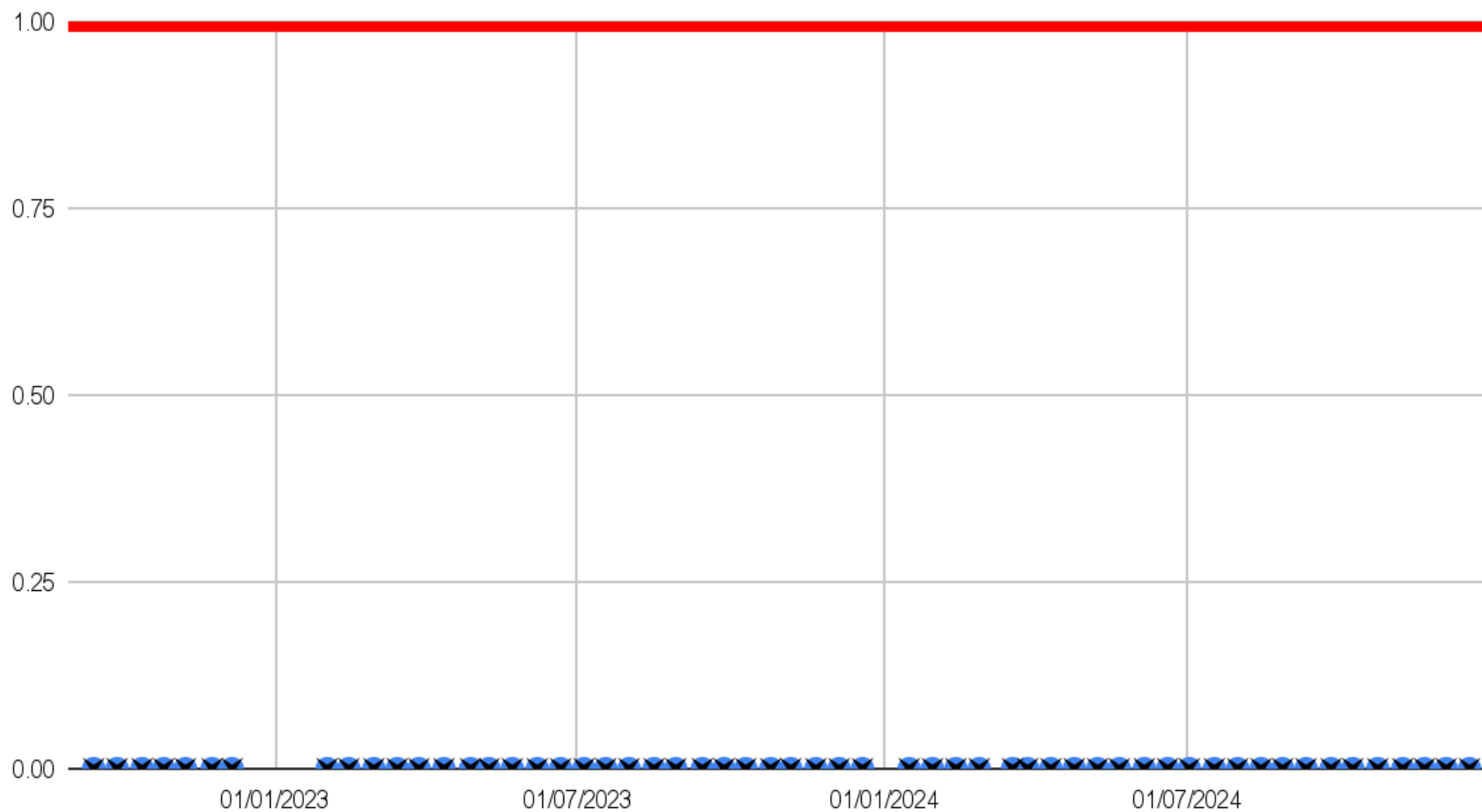




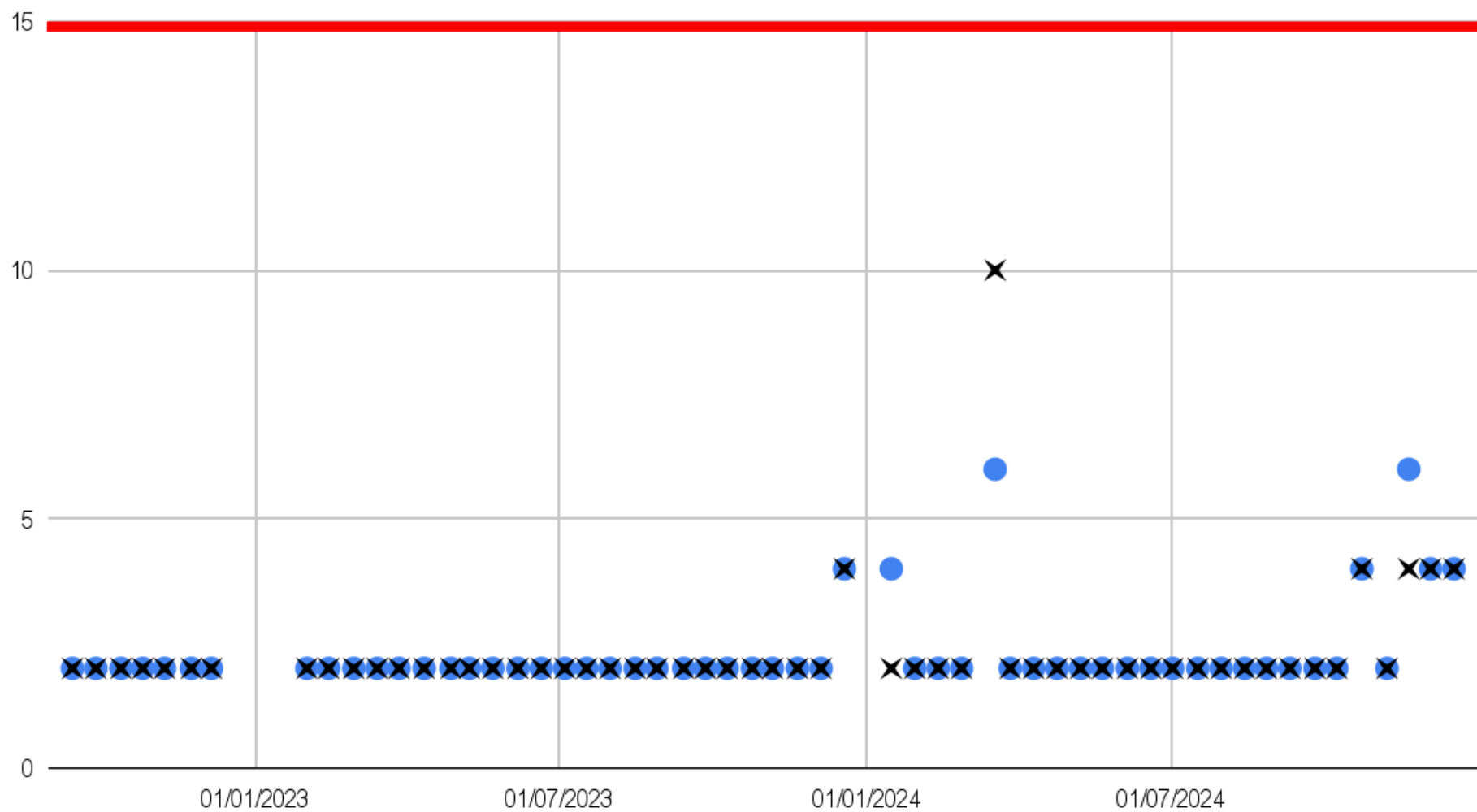


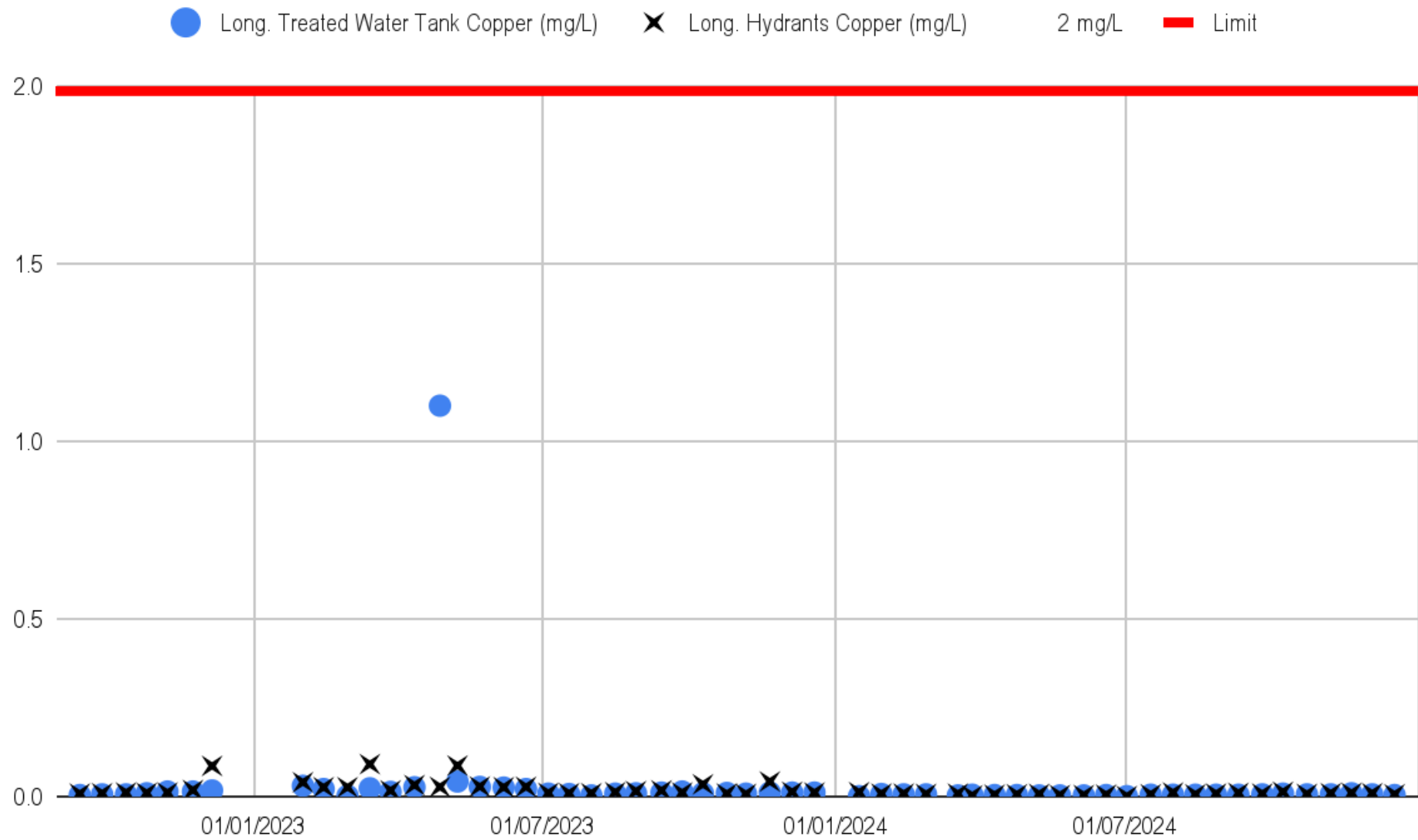


● Long. Treated Water Tank Coliforms (CFU/100mL) ✕ Long. Hydrants Coliforms (CFU/100mL) 1 cfu/100mL ■ Limit

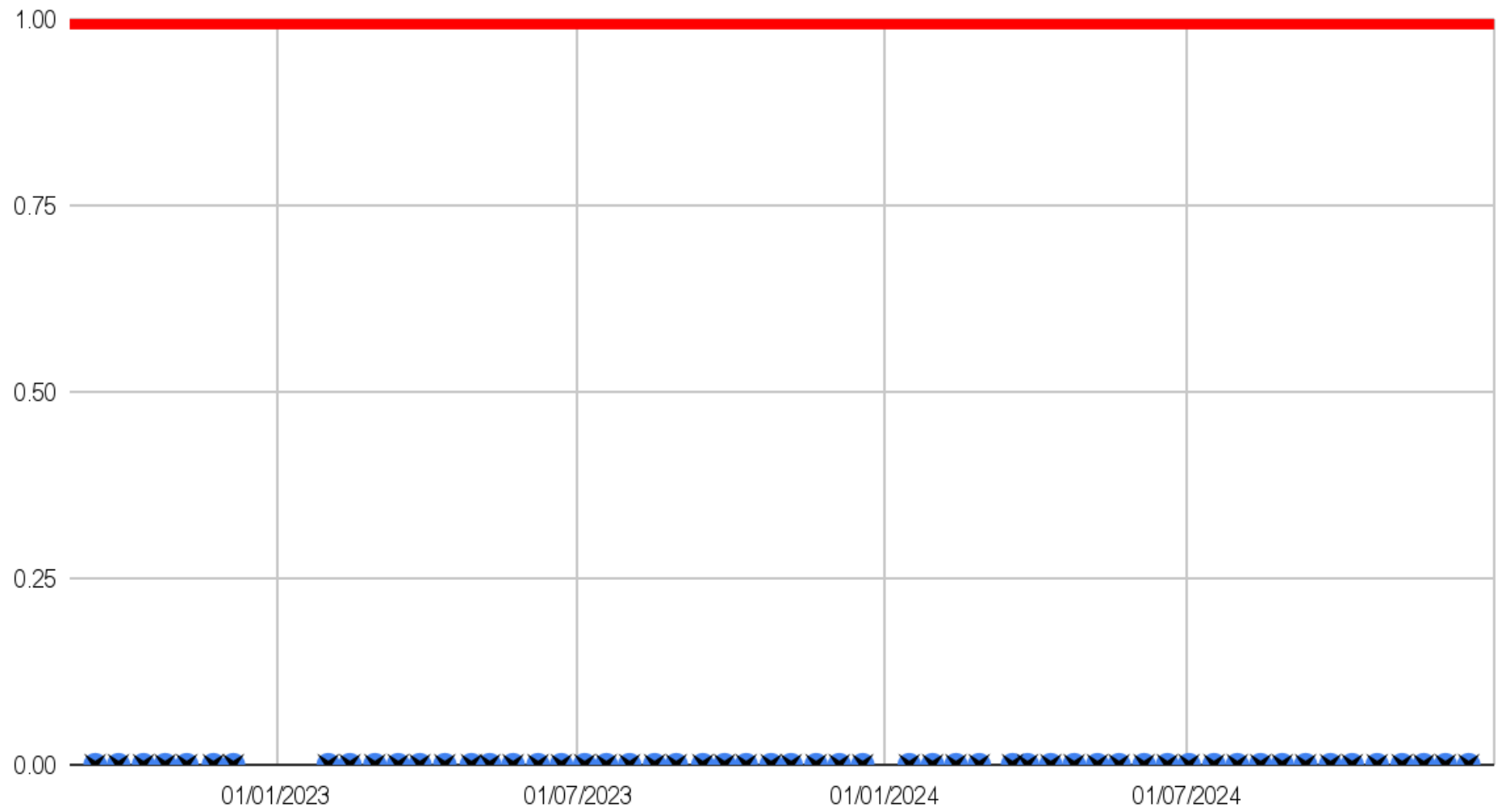


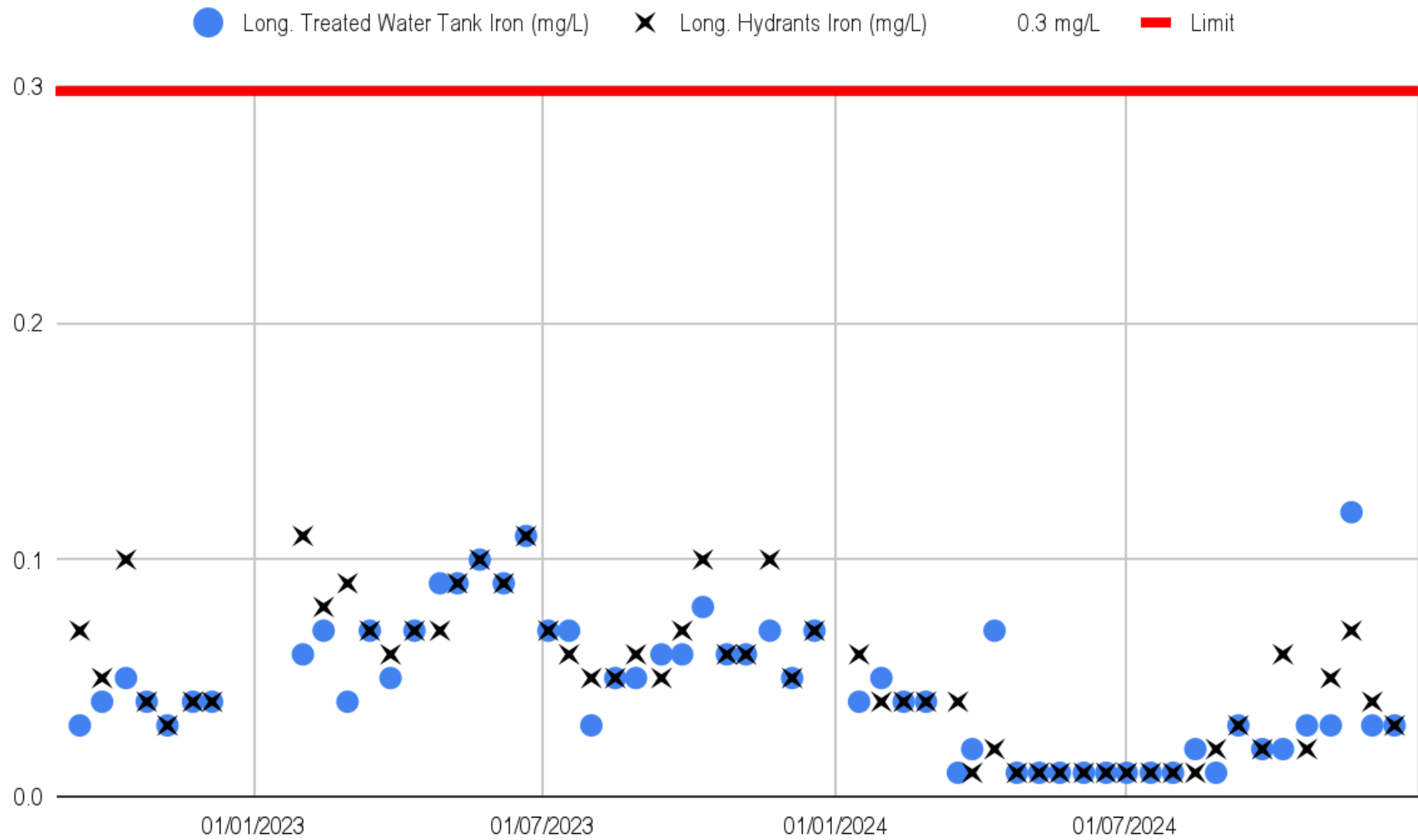
● Long. Treated Water Tank Colour (Pt/Co) ✕ Long. Hydrants Colour (Pt/Co) 15 Pt/Co — Limit



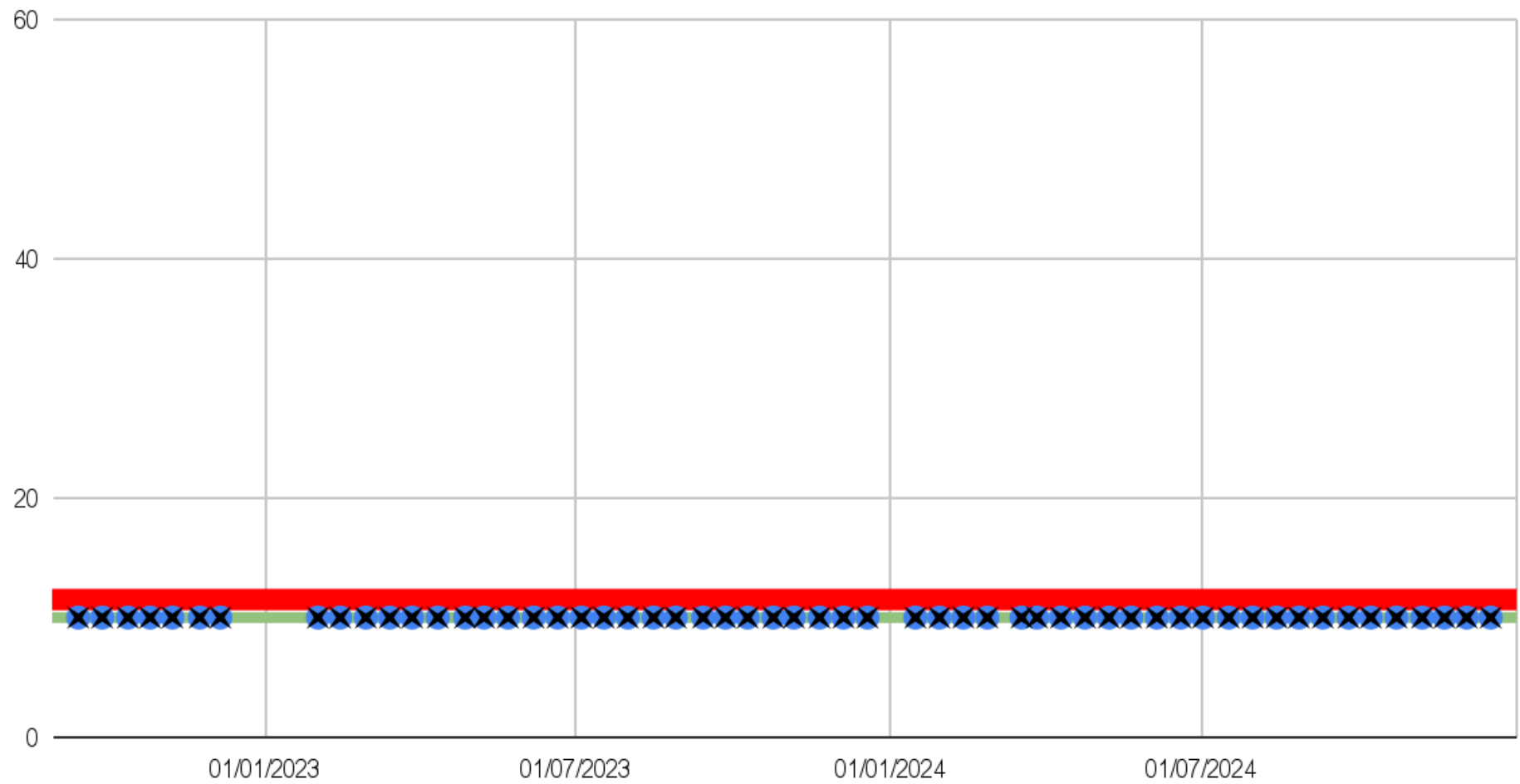


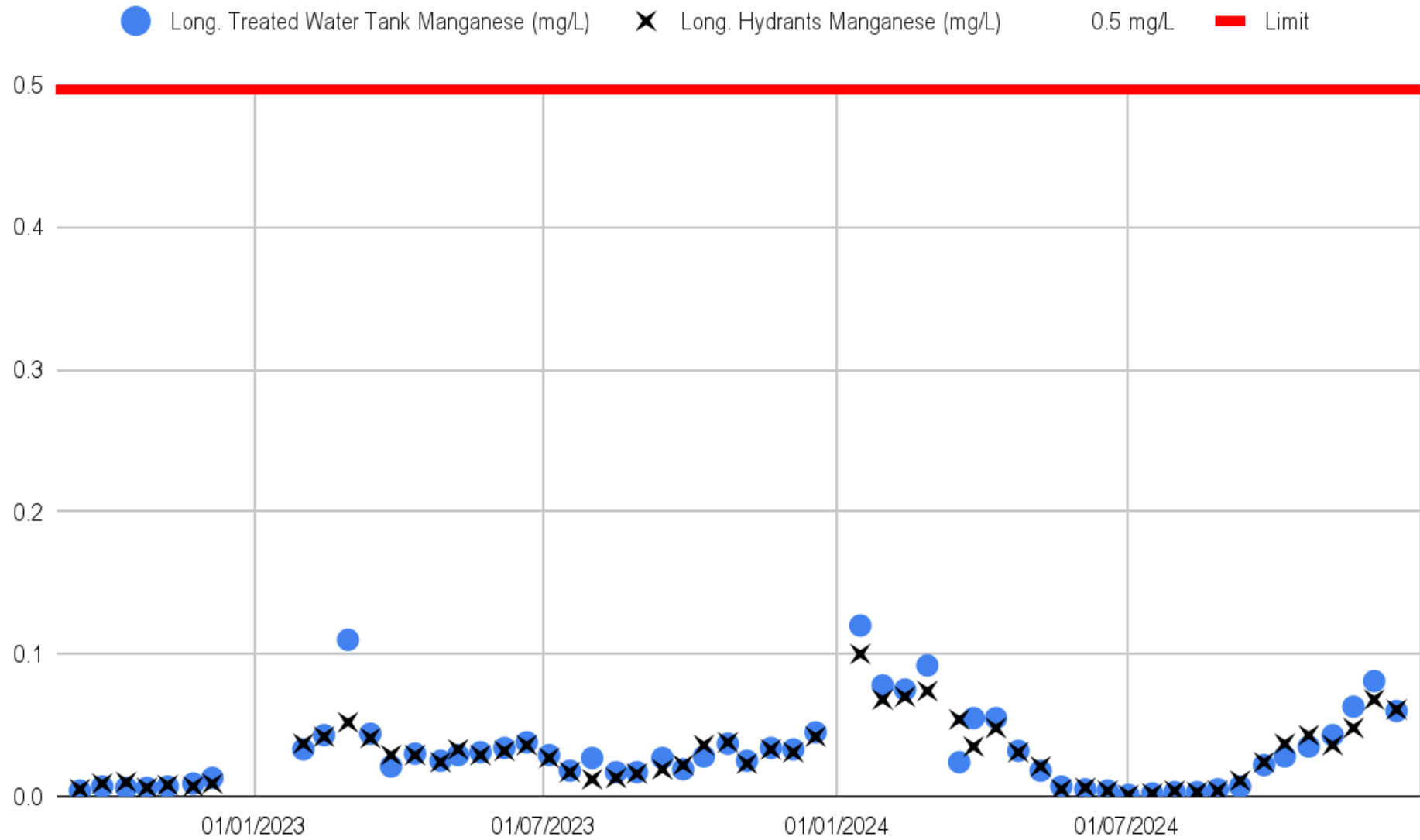
● Long. Treated Water Tank E.coli (CFU/100mL) ✕ Long. Hydrants E.coli (CFU/100mL) 1 cfu/100mL ■ Limit



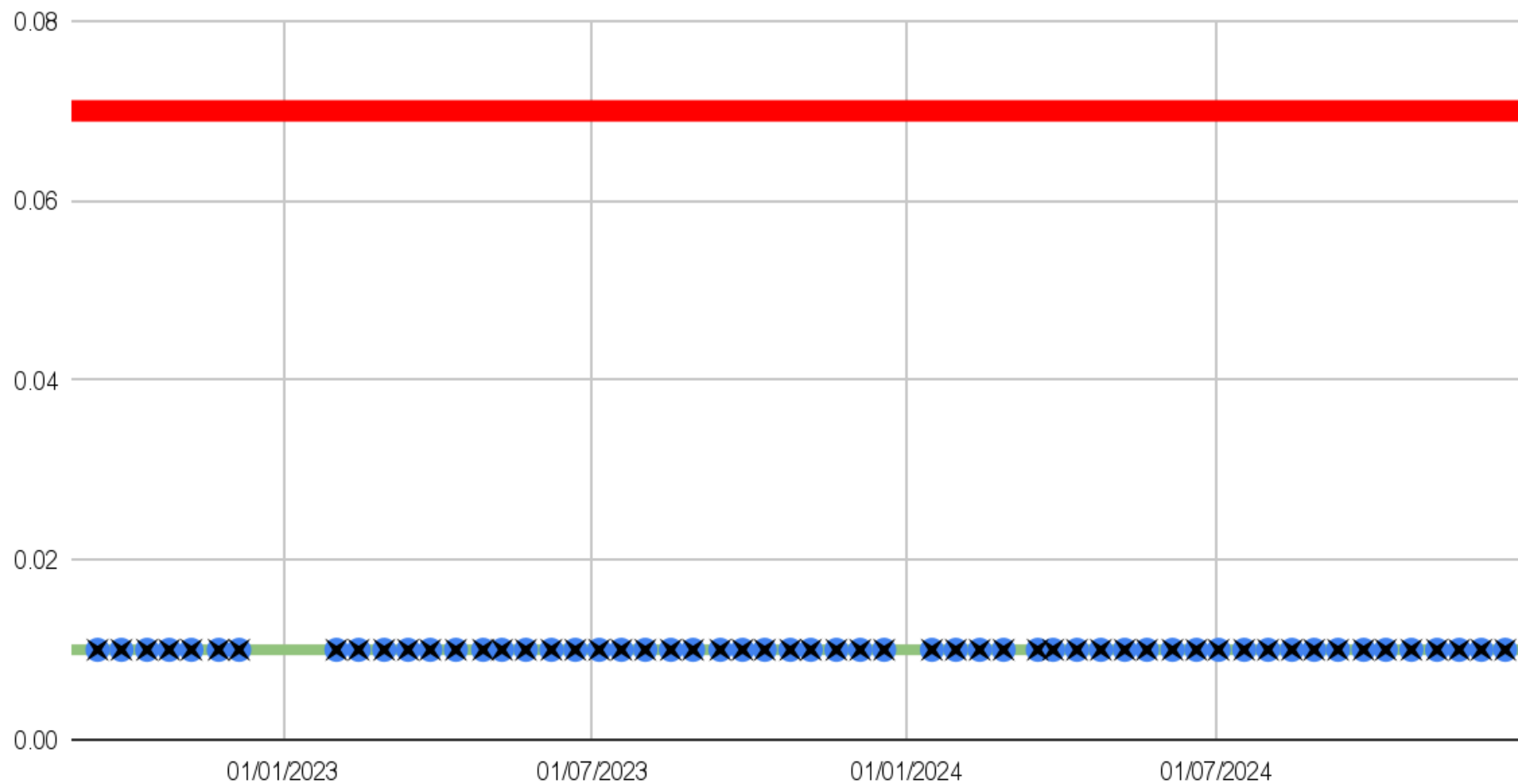


● Long. Treated Water Tank Total Legionella (CFU/mL) ✕ Long. Hydrants Total Legionella (CFU/mL) 10 cfu/mL ■ Limit
Non Detect Results ■

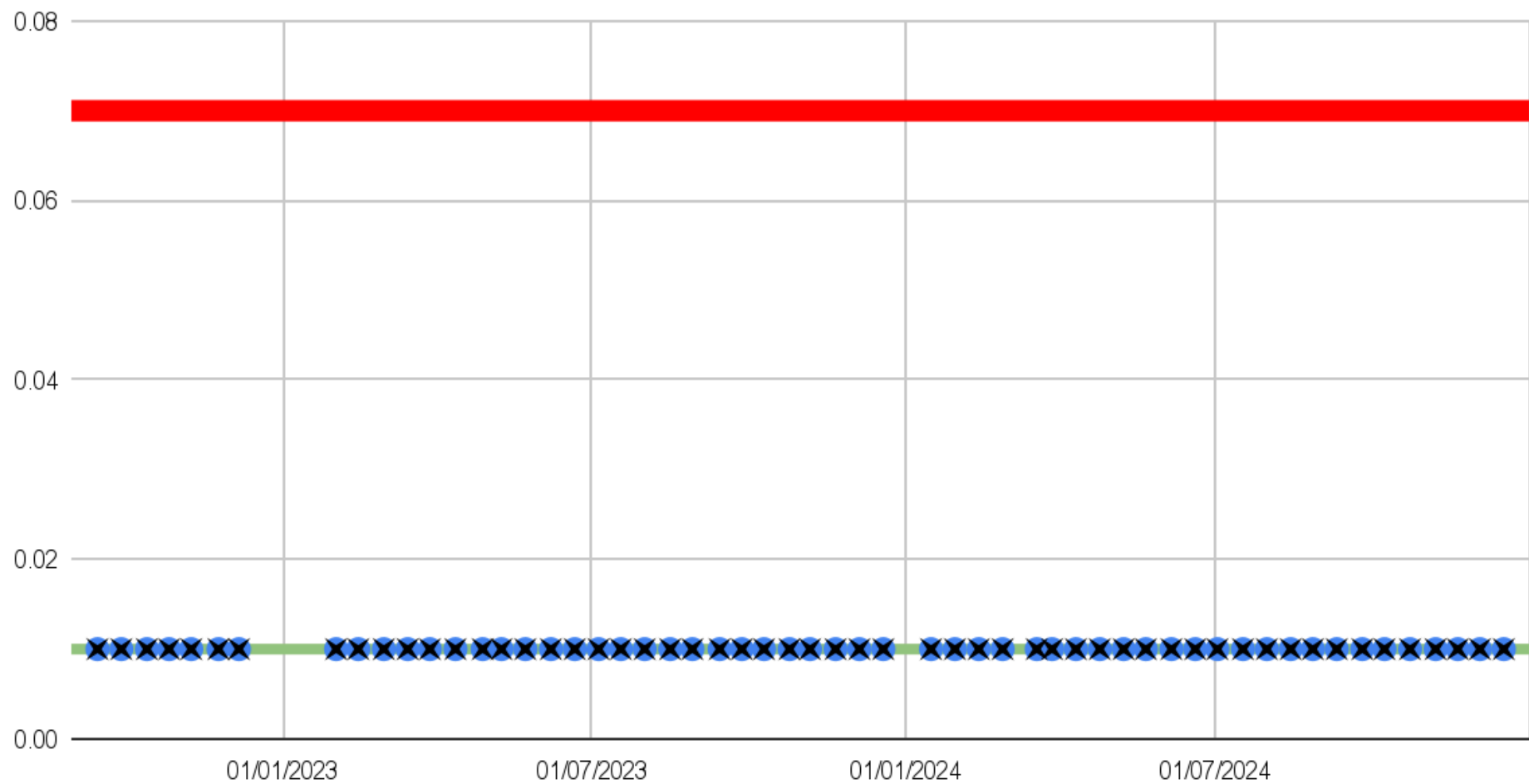


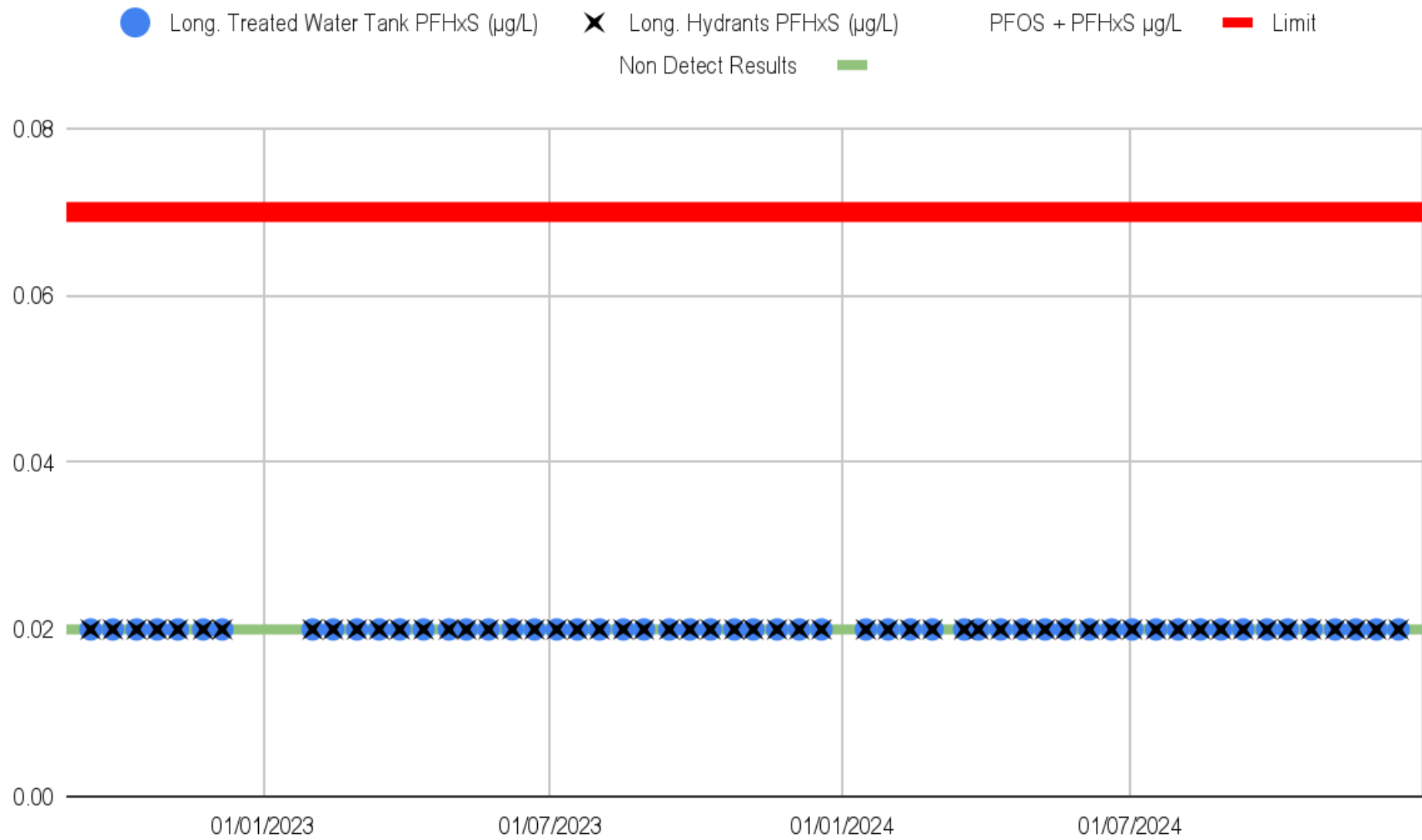


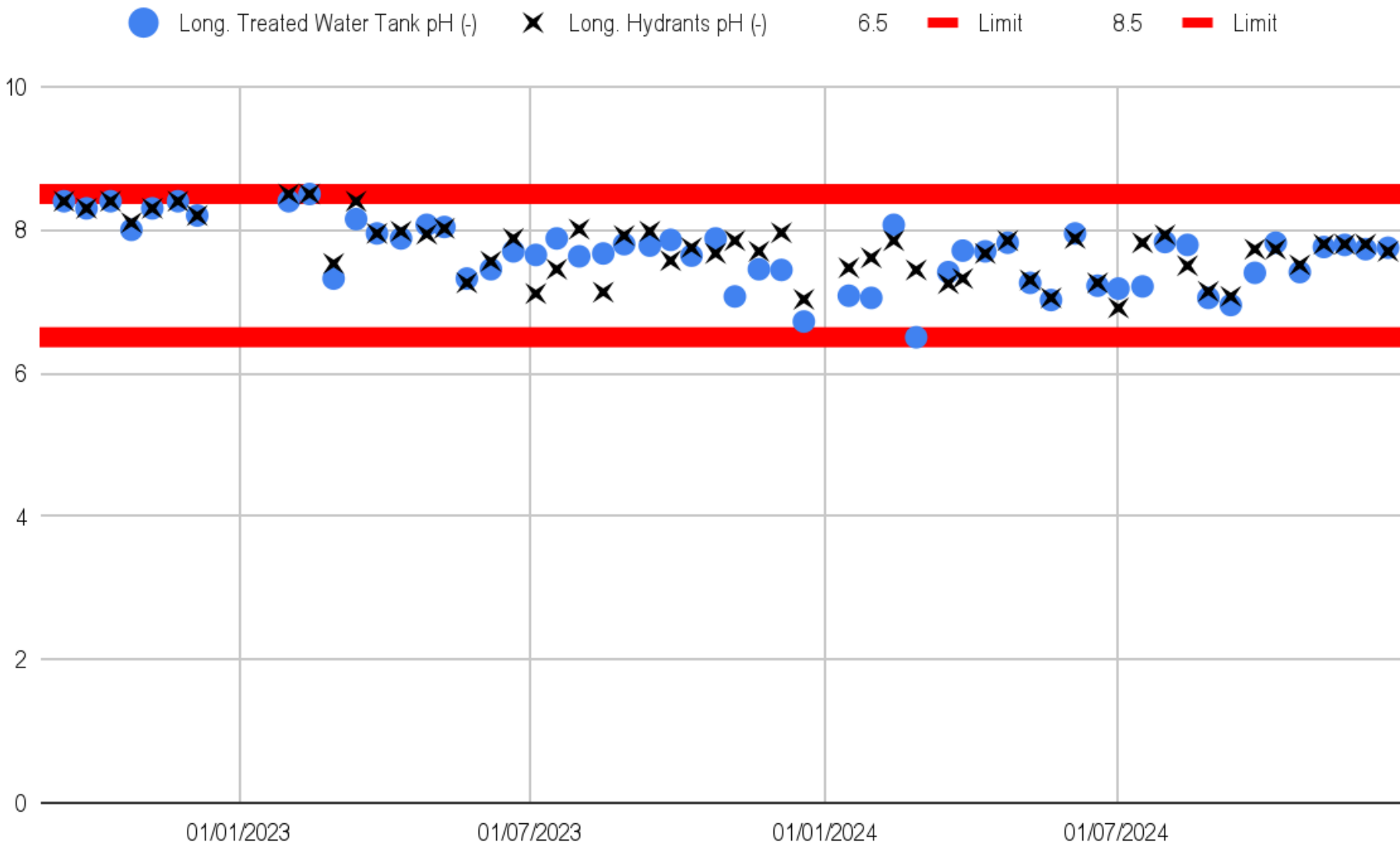
● Long. Treated Water Tank PFOA (µg/L) ✕ Long. Hydrants PFOA (µg/L) PFOA + PFOS 0.07 µg/L — Limit
Non Detect Results —

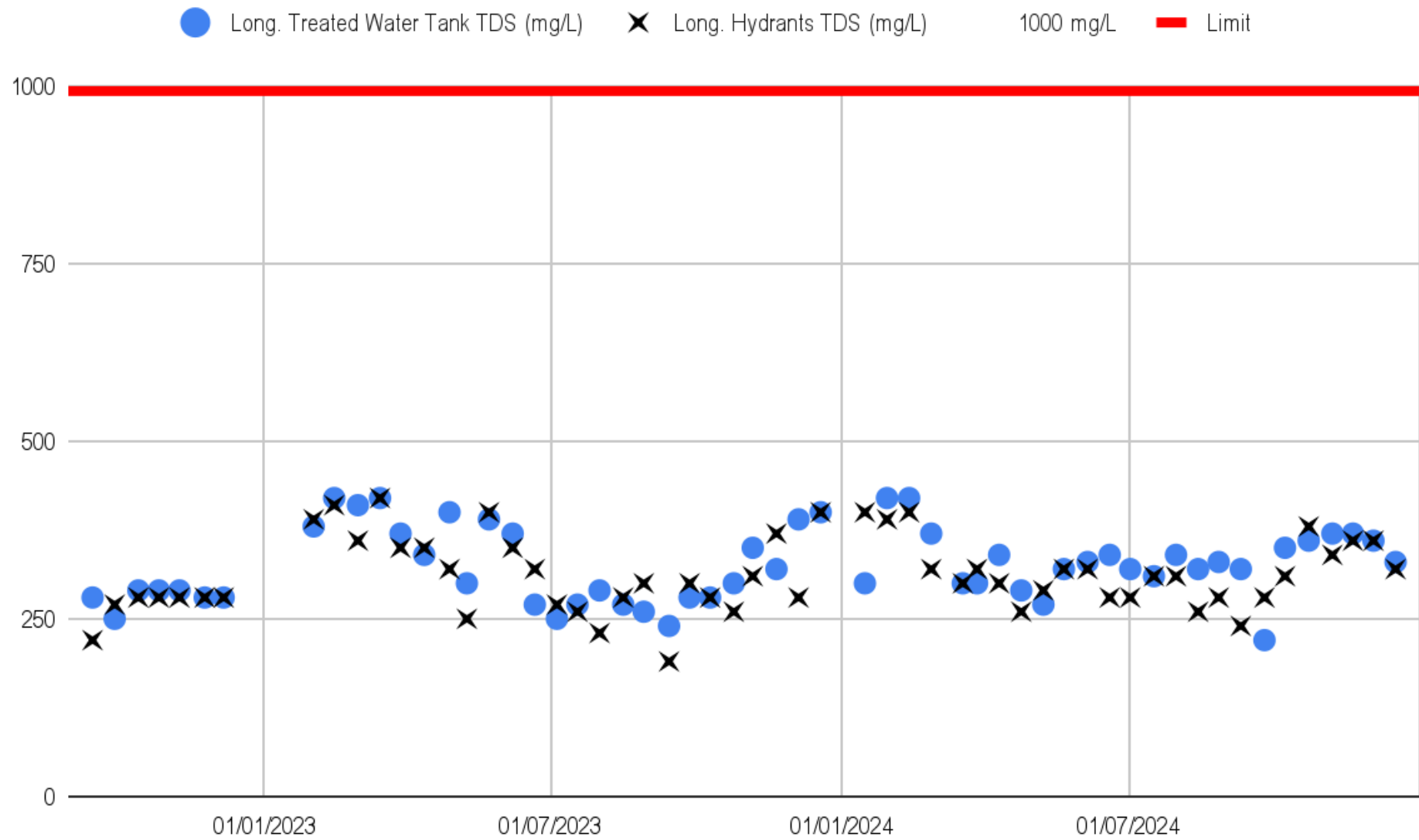


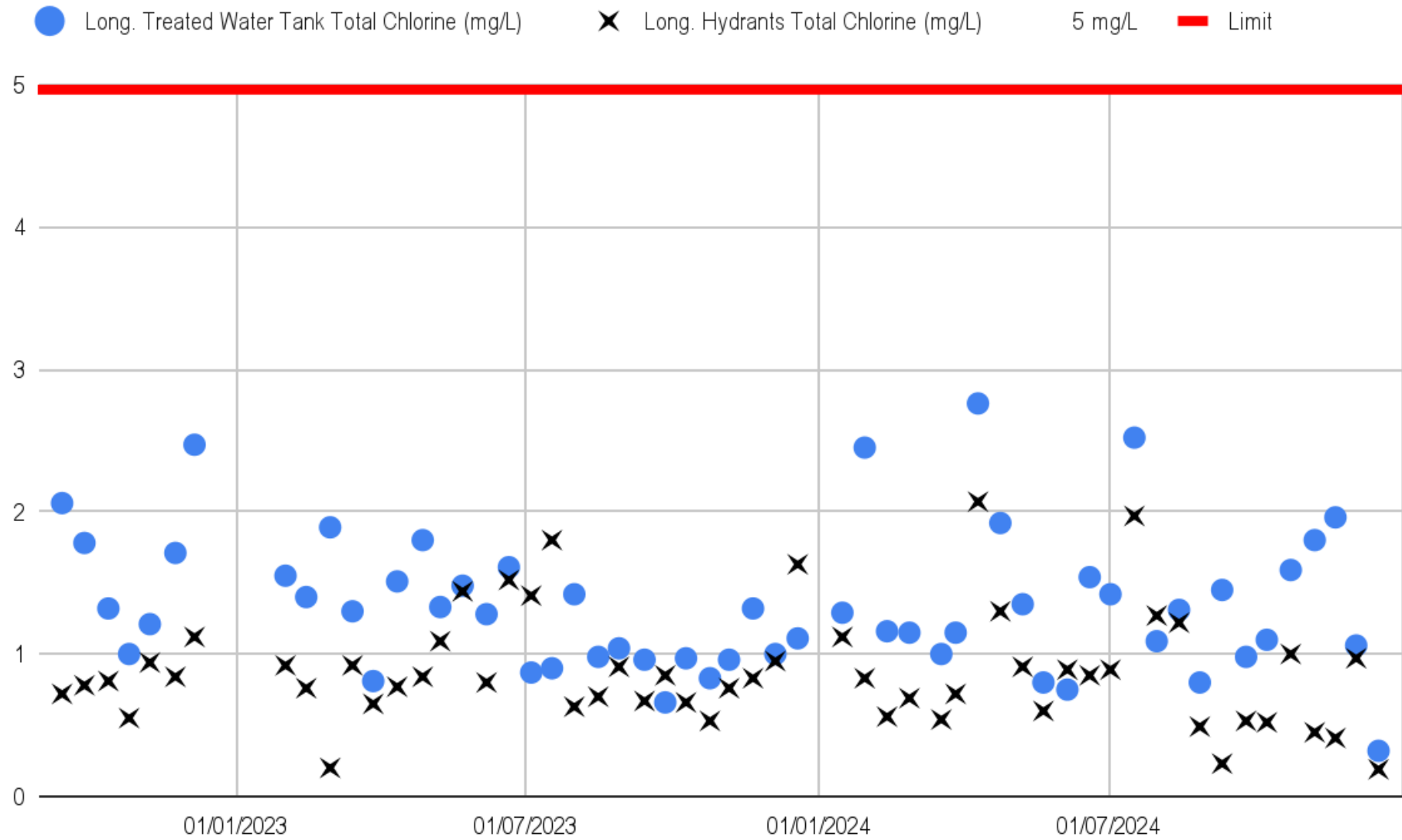
● Long. Treated Water Tank PFOS (µg/L) ✕ Long. Hydrants PFOS (µg/L) PFOA + PFOS 0.07 µg/L — Limit
Non Detect Results —

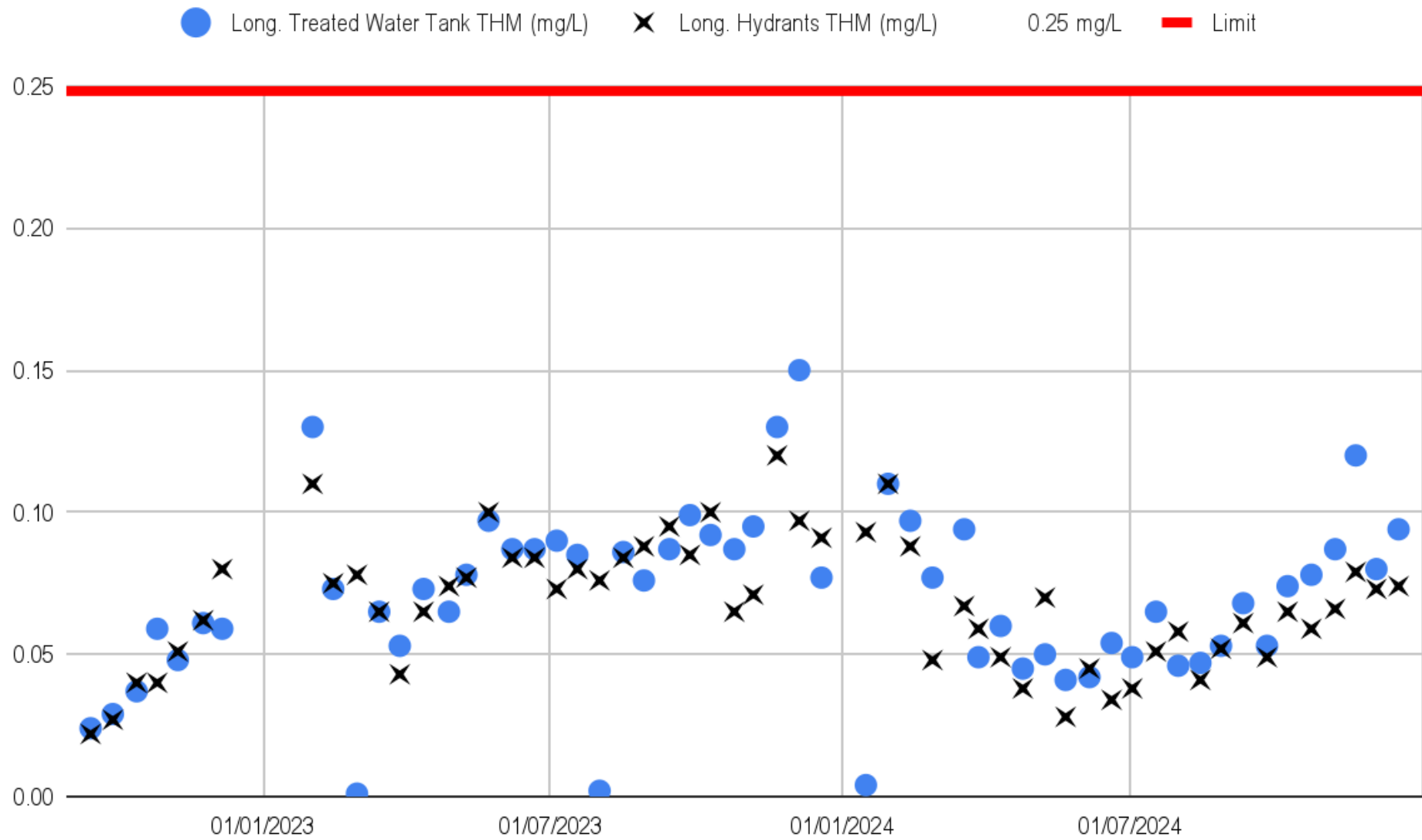


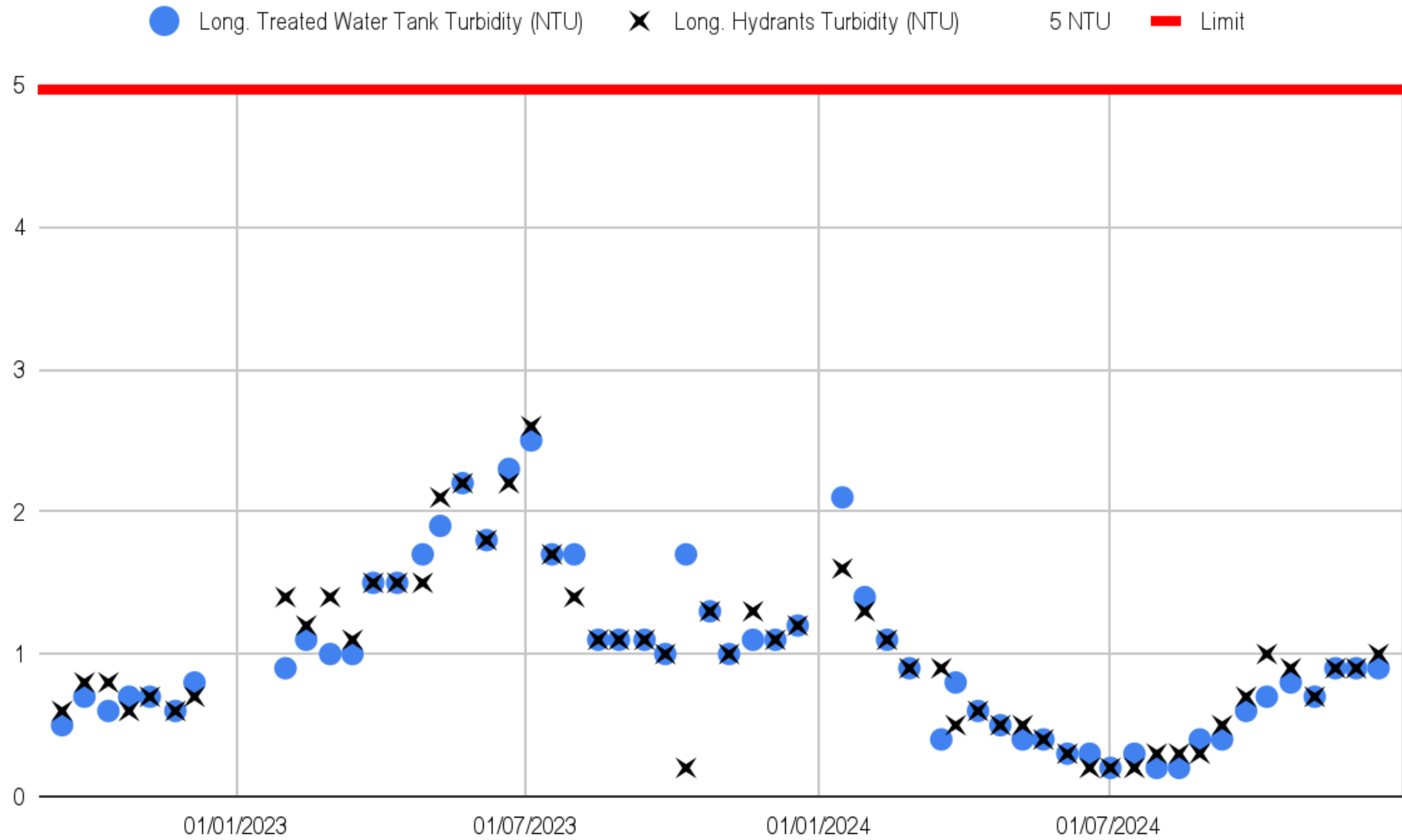


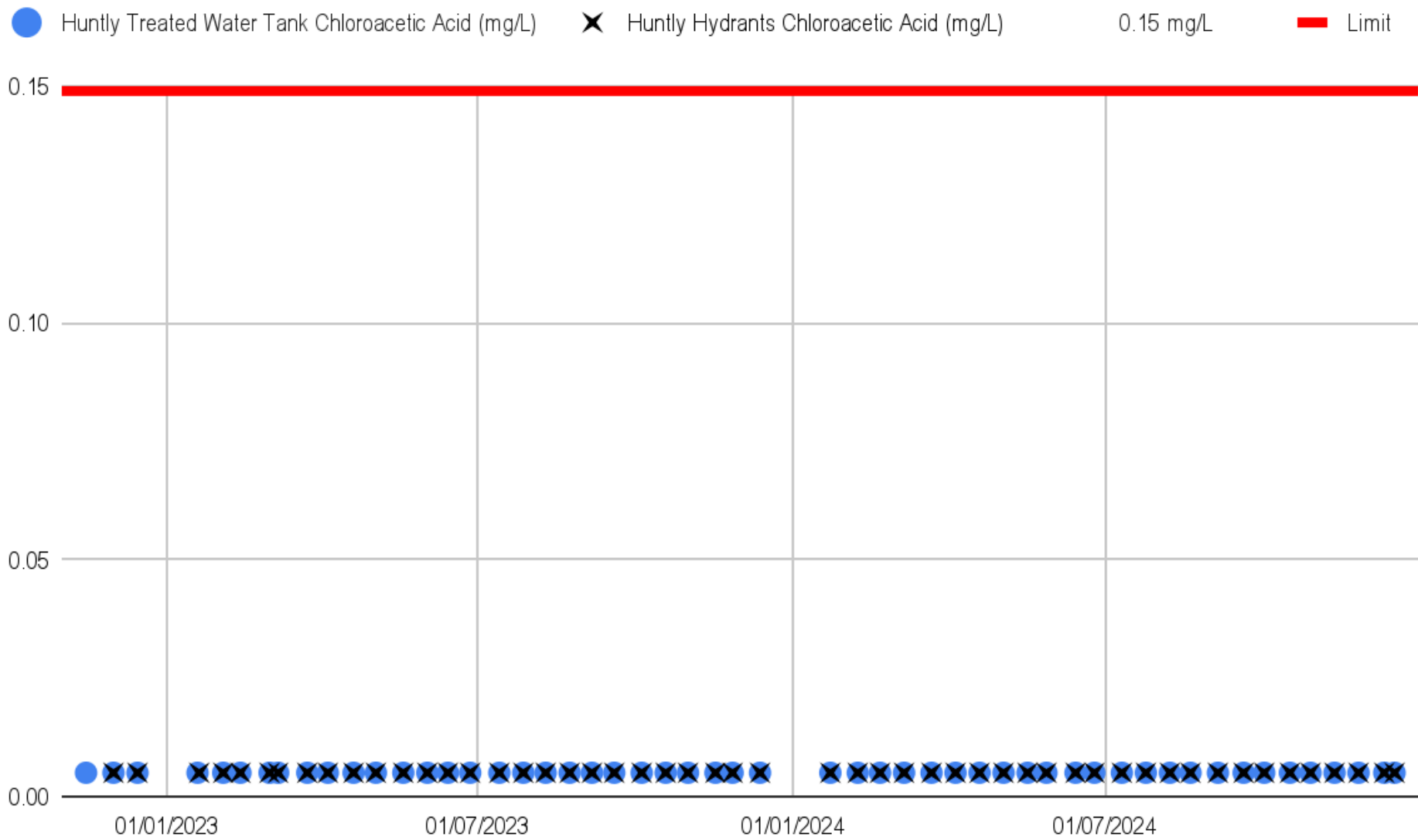


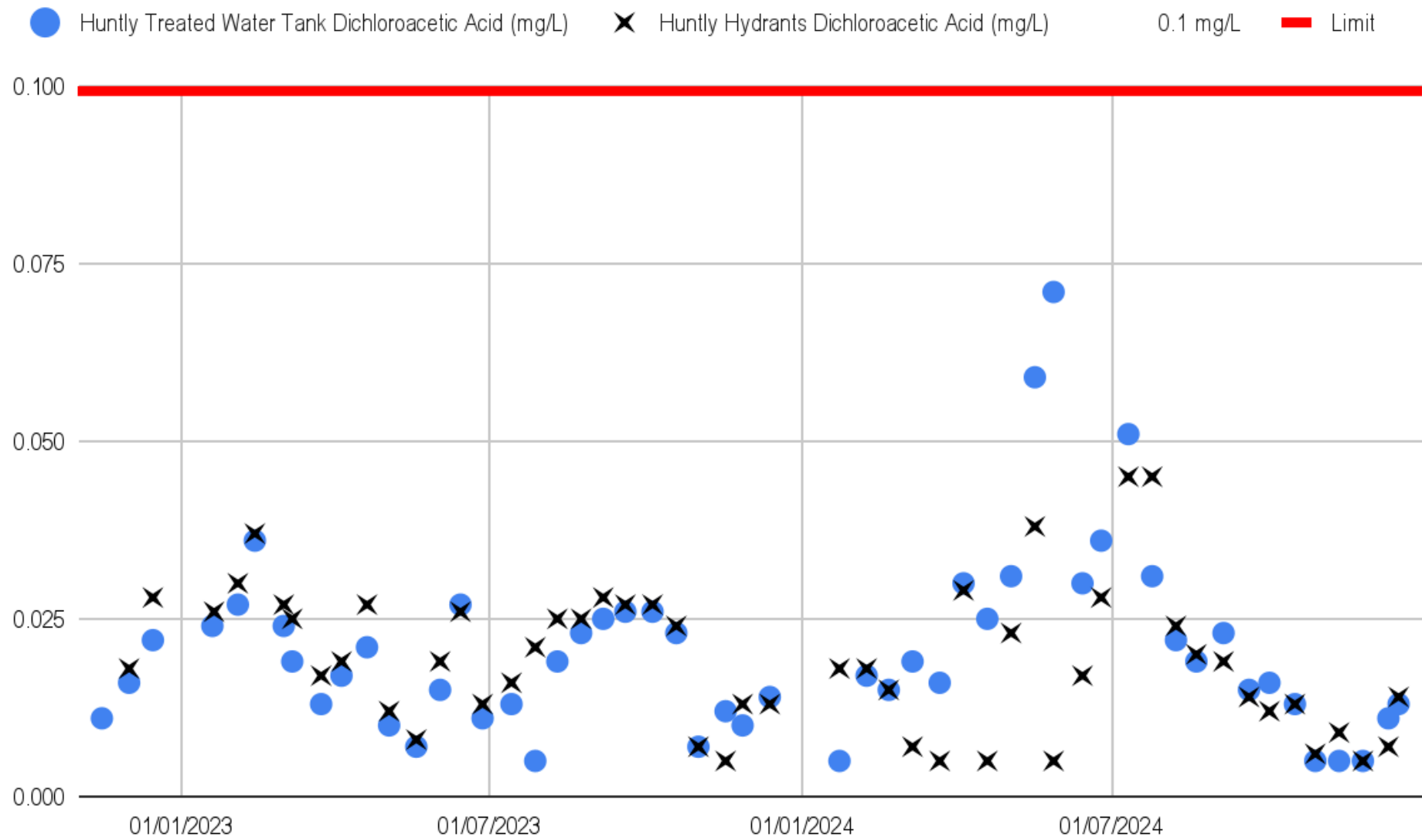


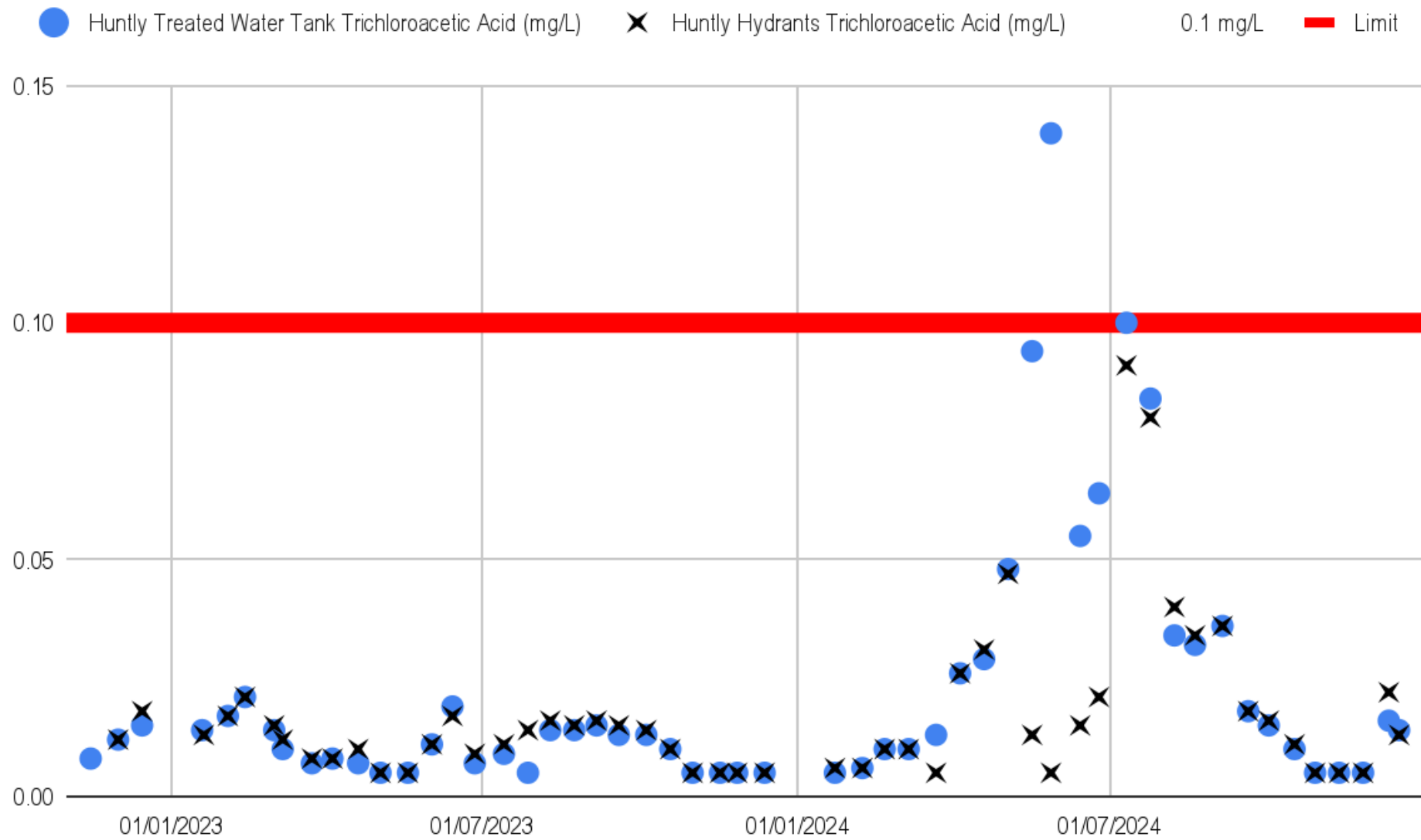


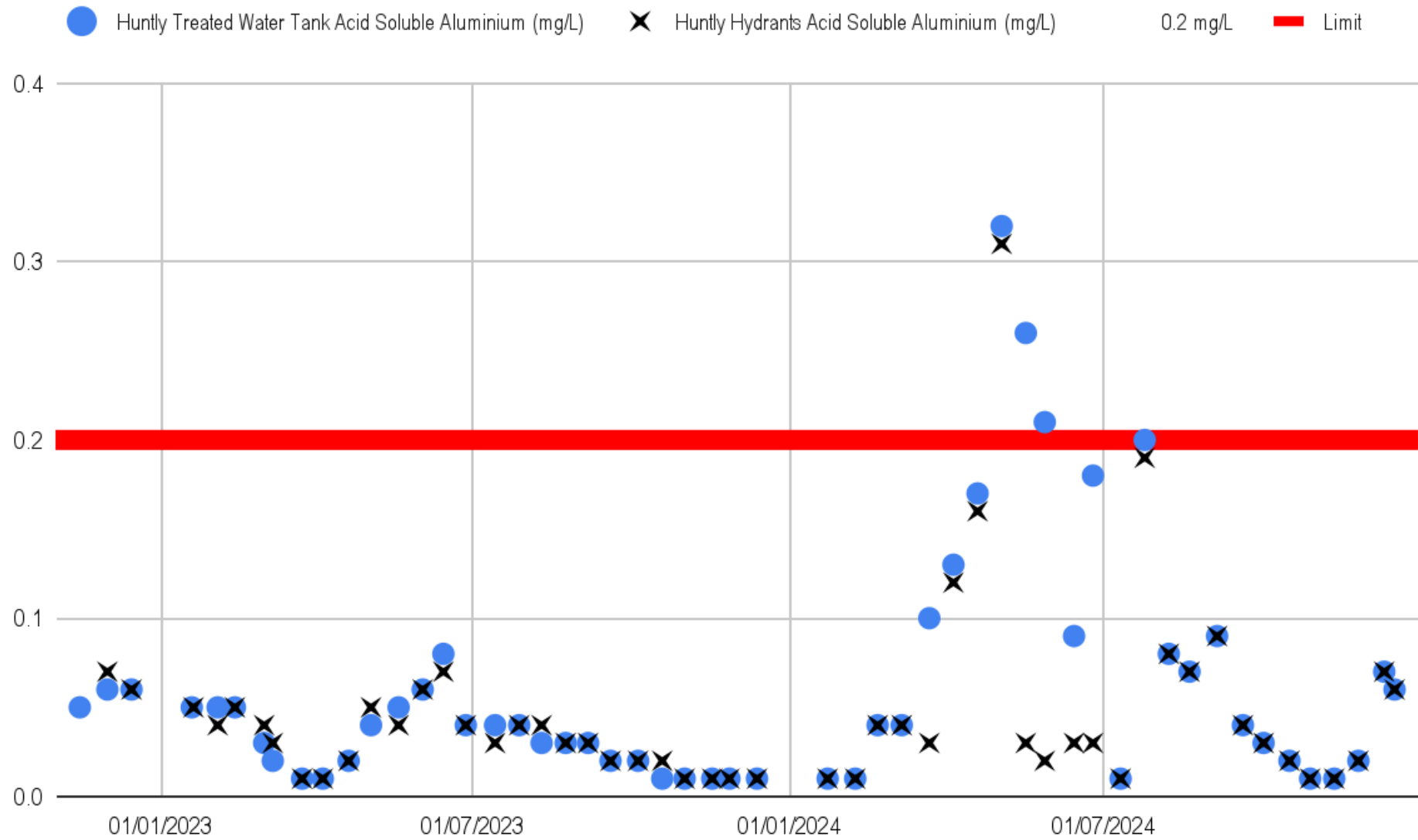


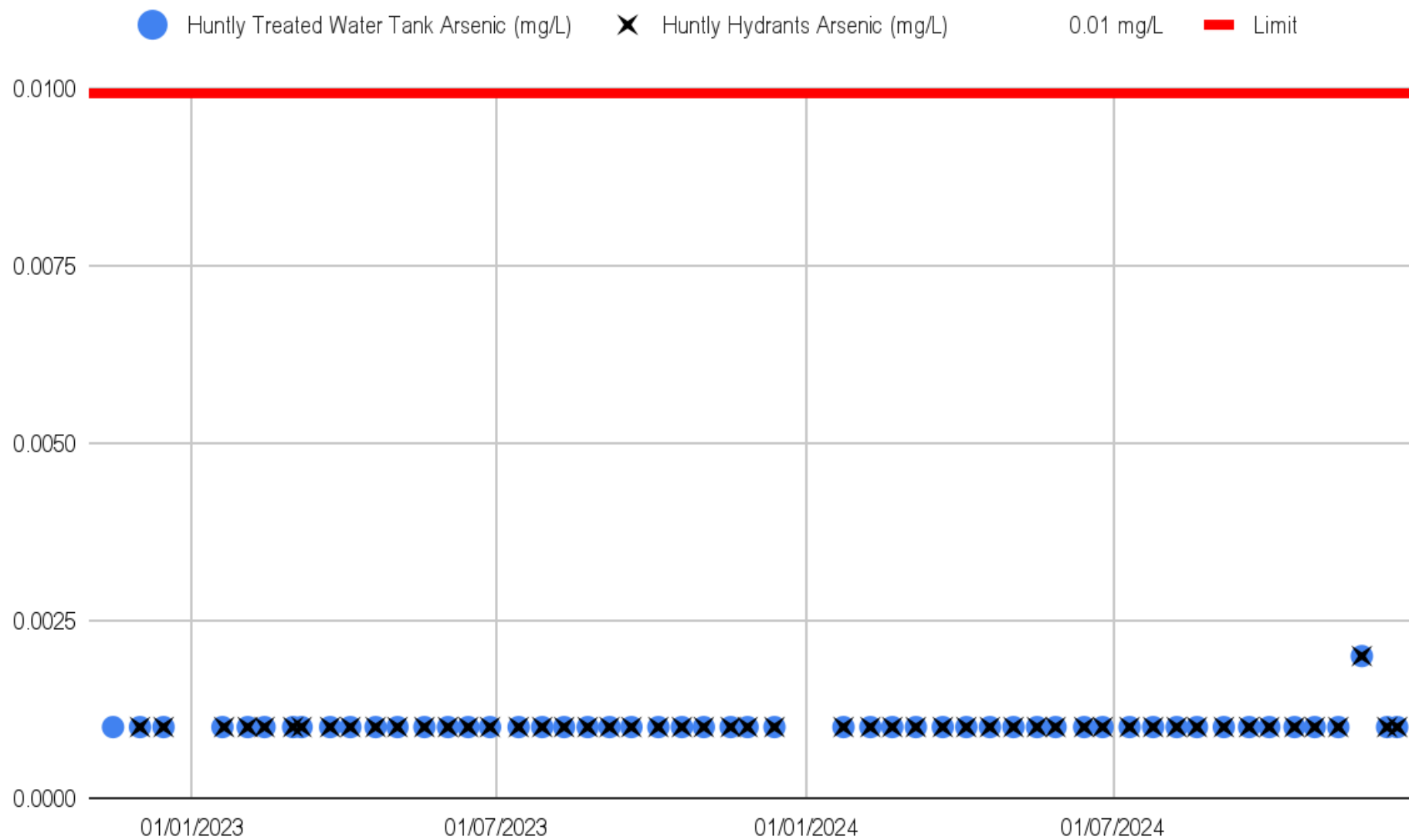




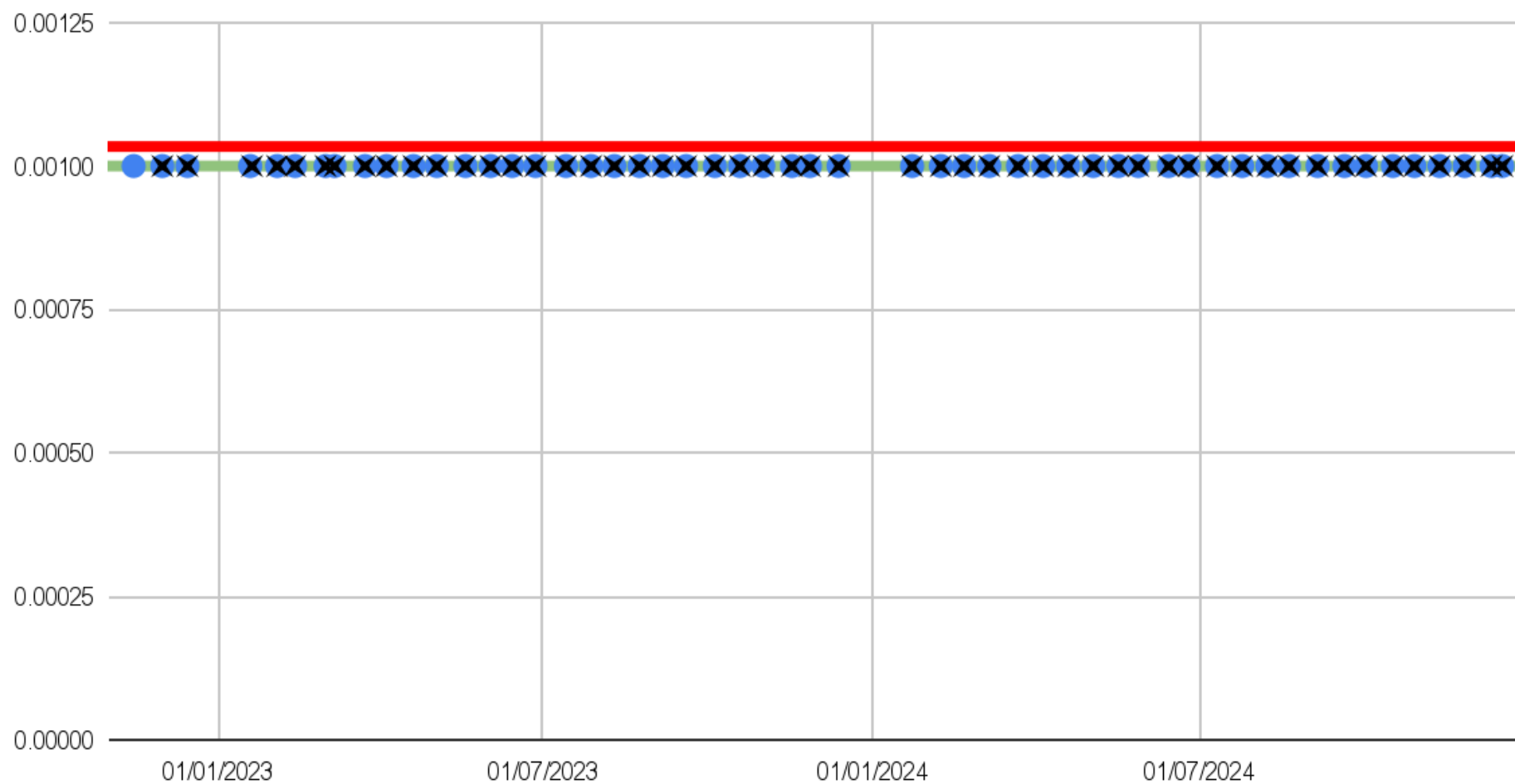


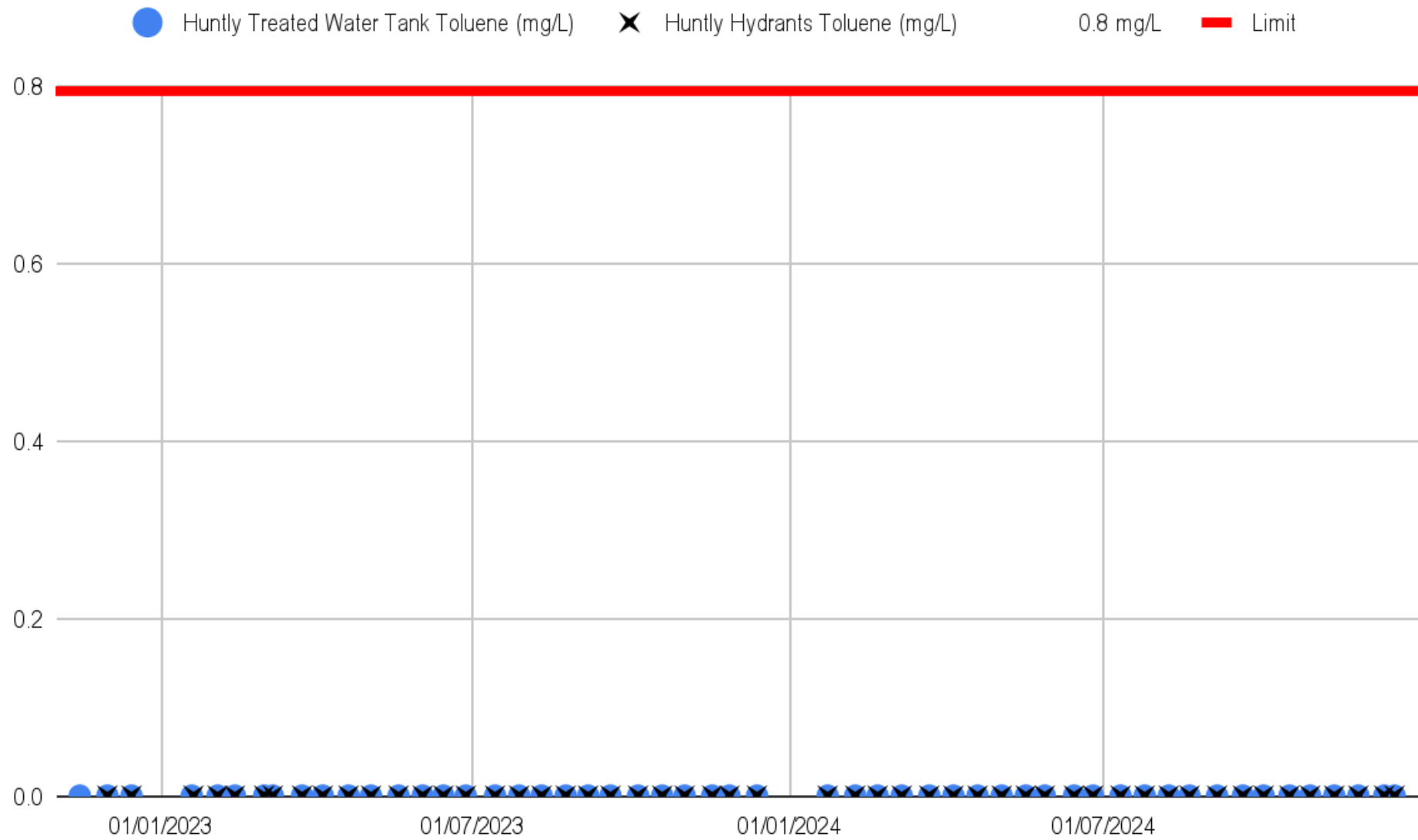


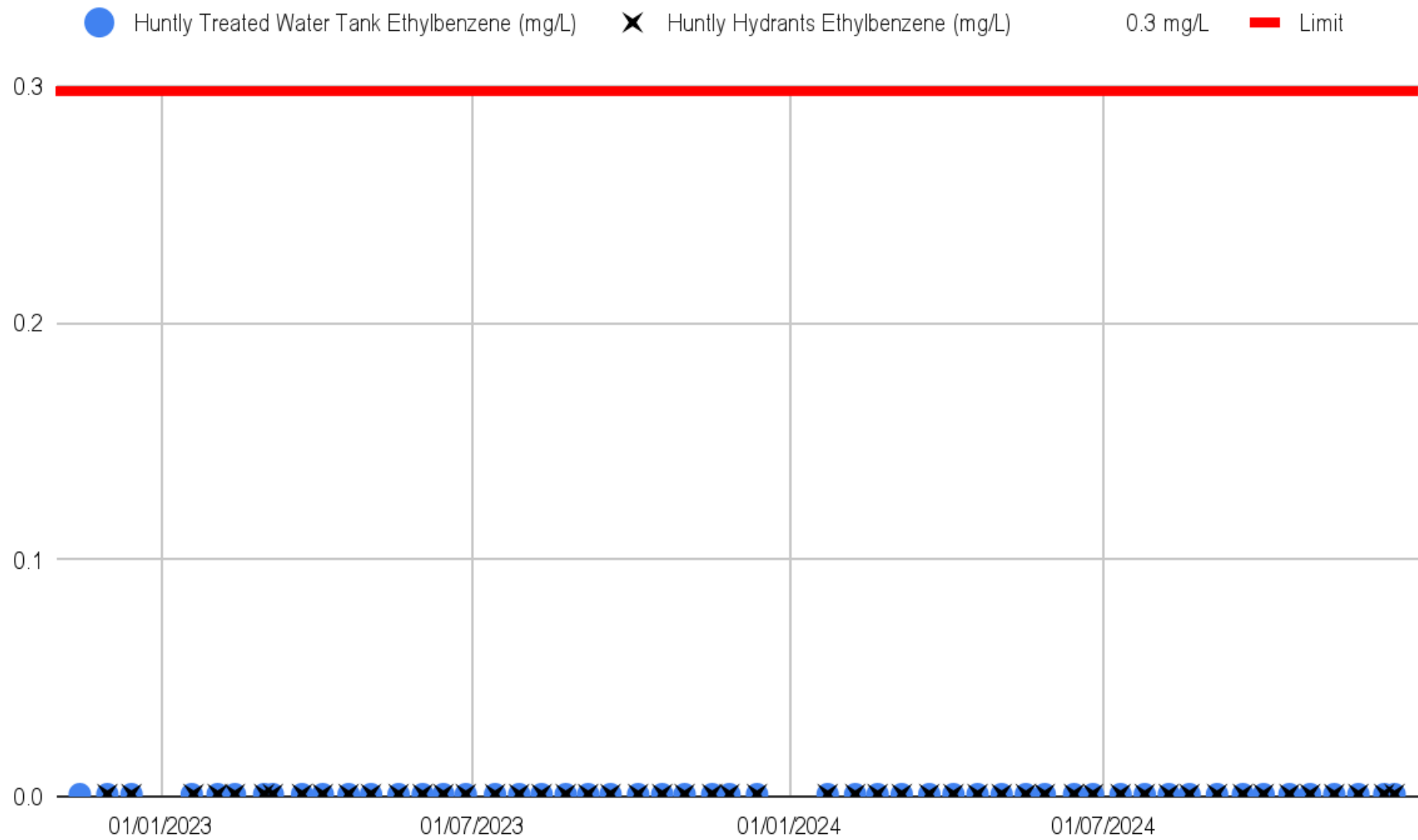


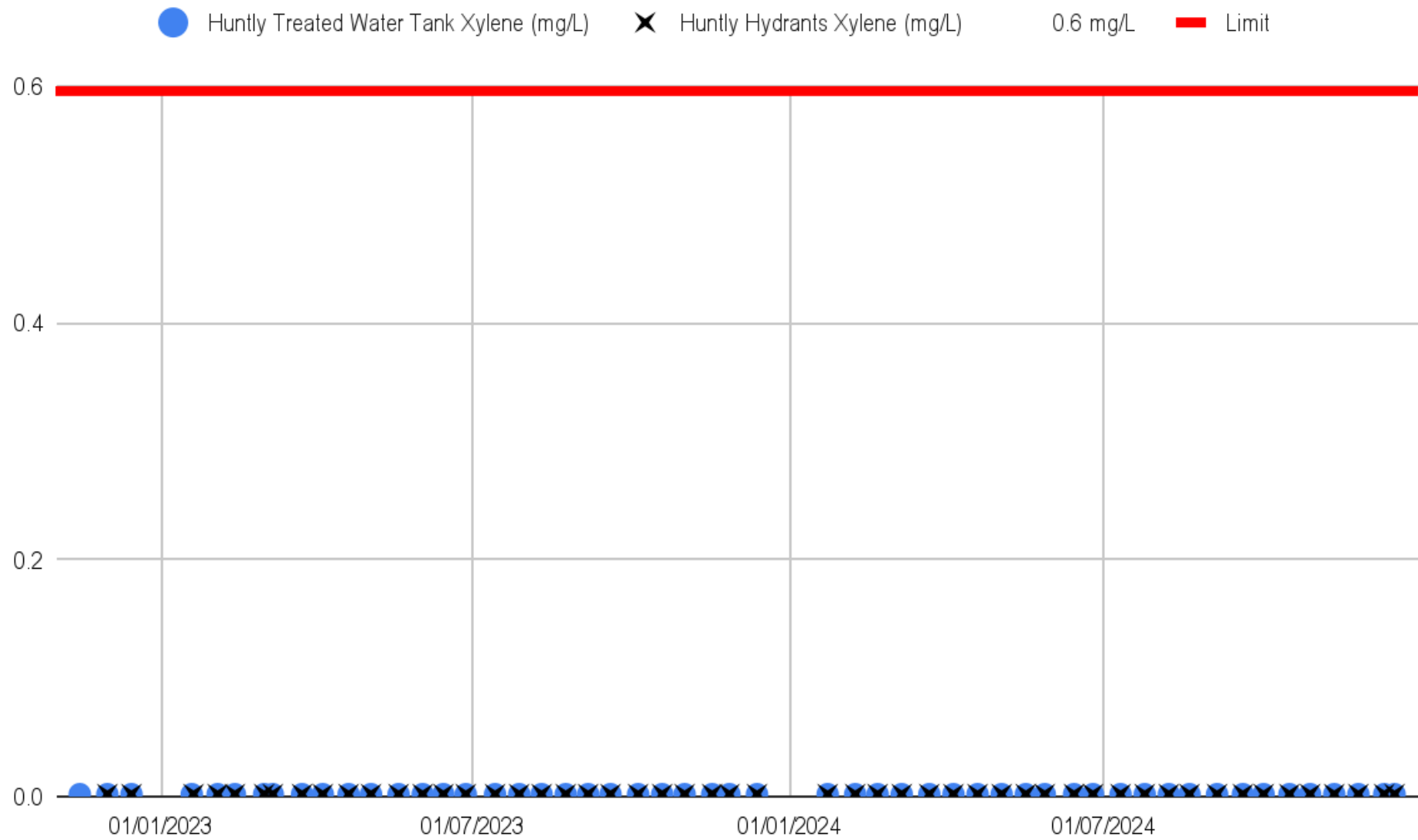


● Huntly Treated Water Tank Benzene (mg/L) ✕ Huntly Hydrants Benzene (mg/L) 0.001 mg/L ■ Limit
Non Detect Results ■

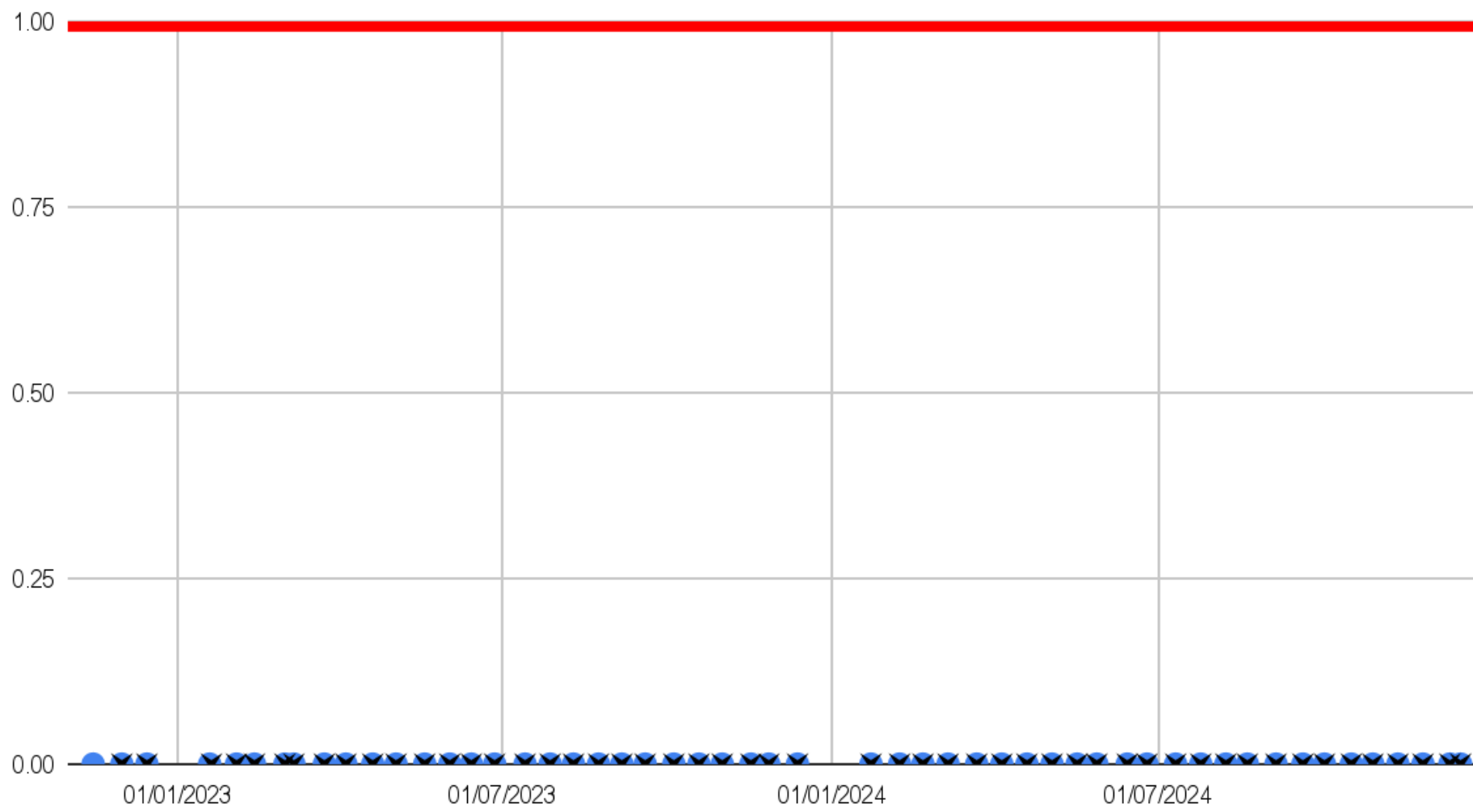


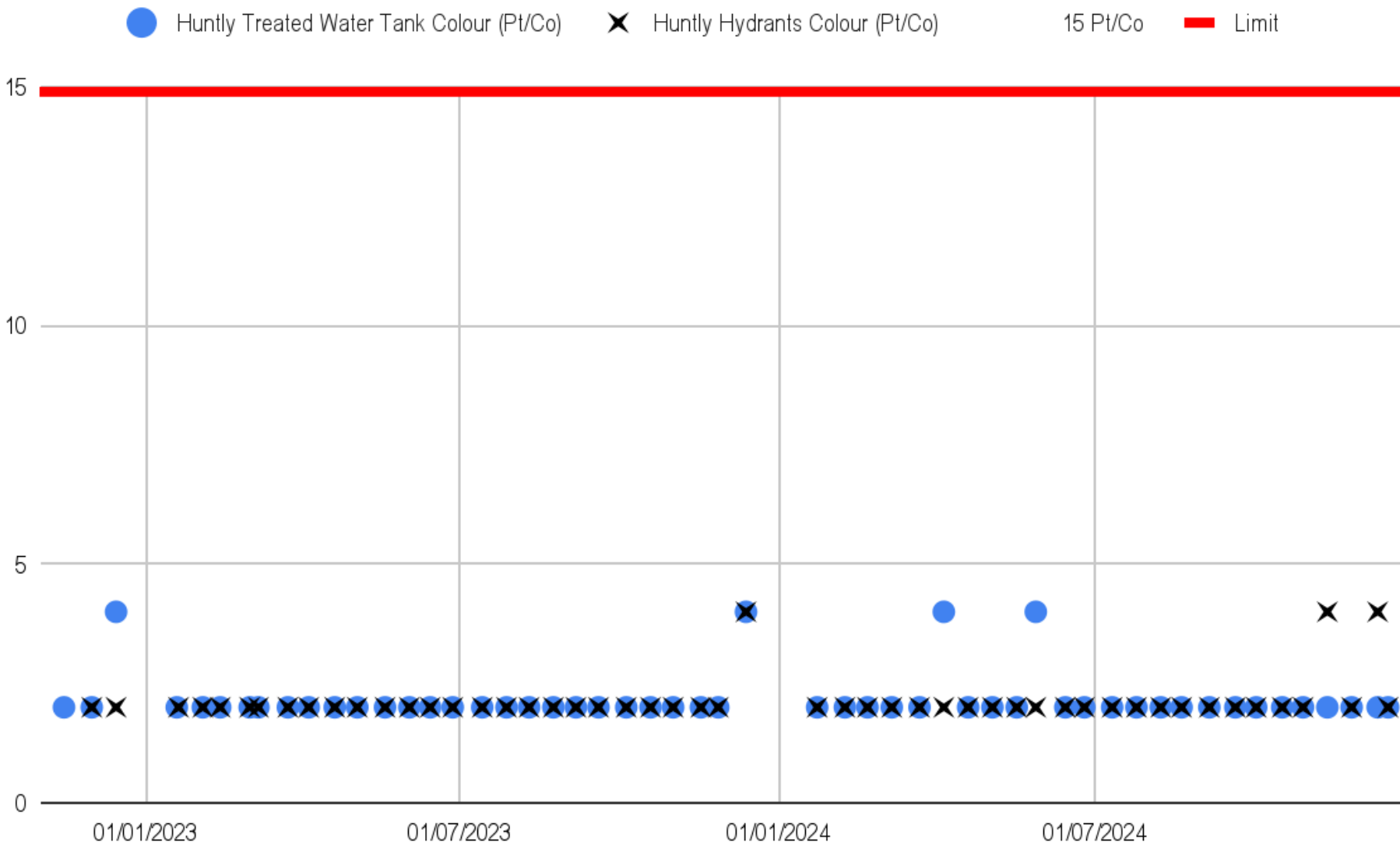


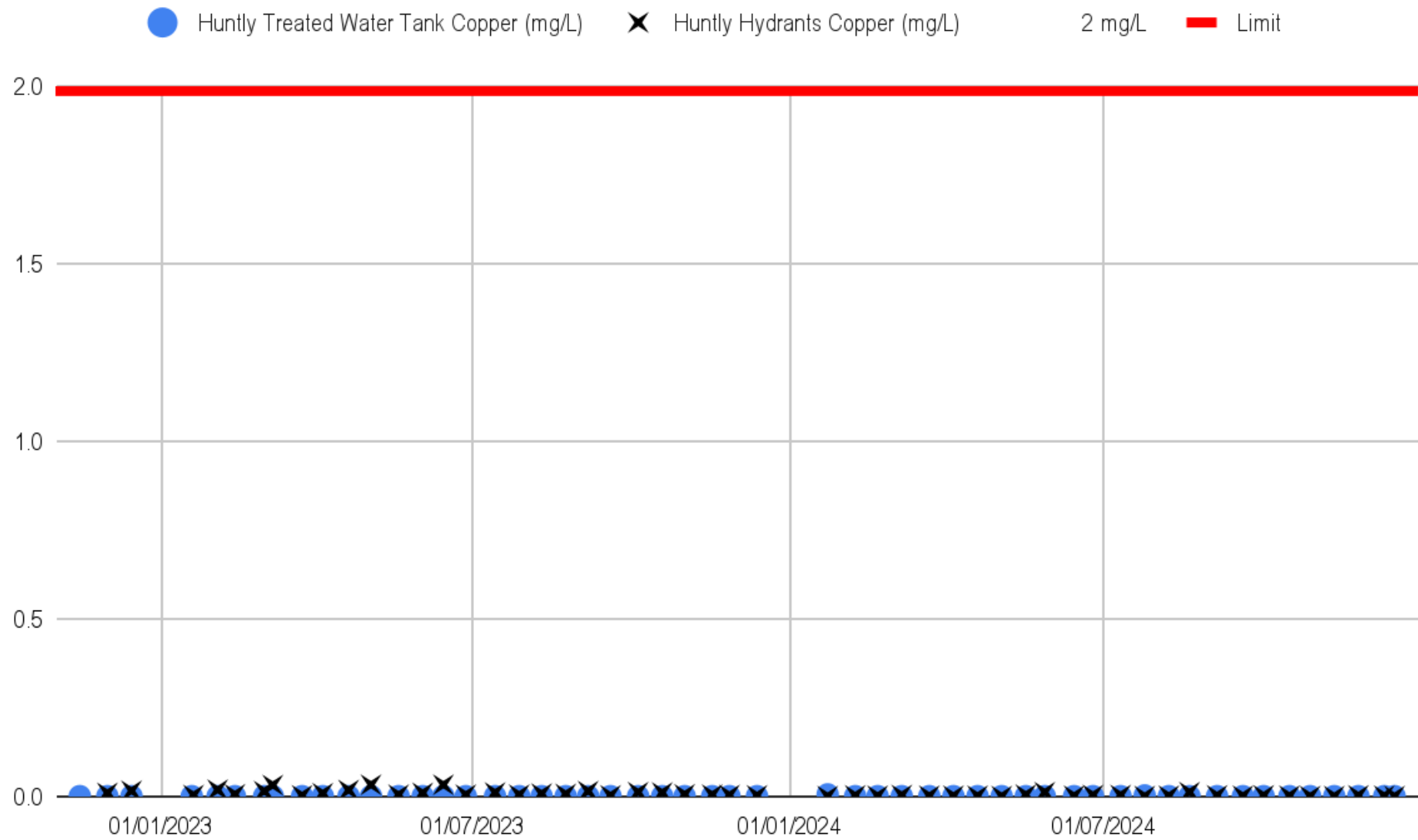




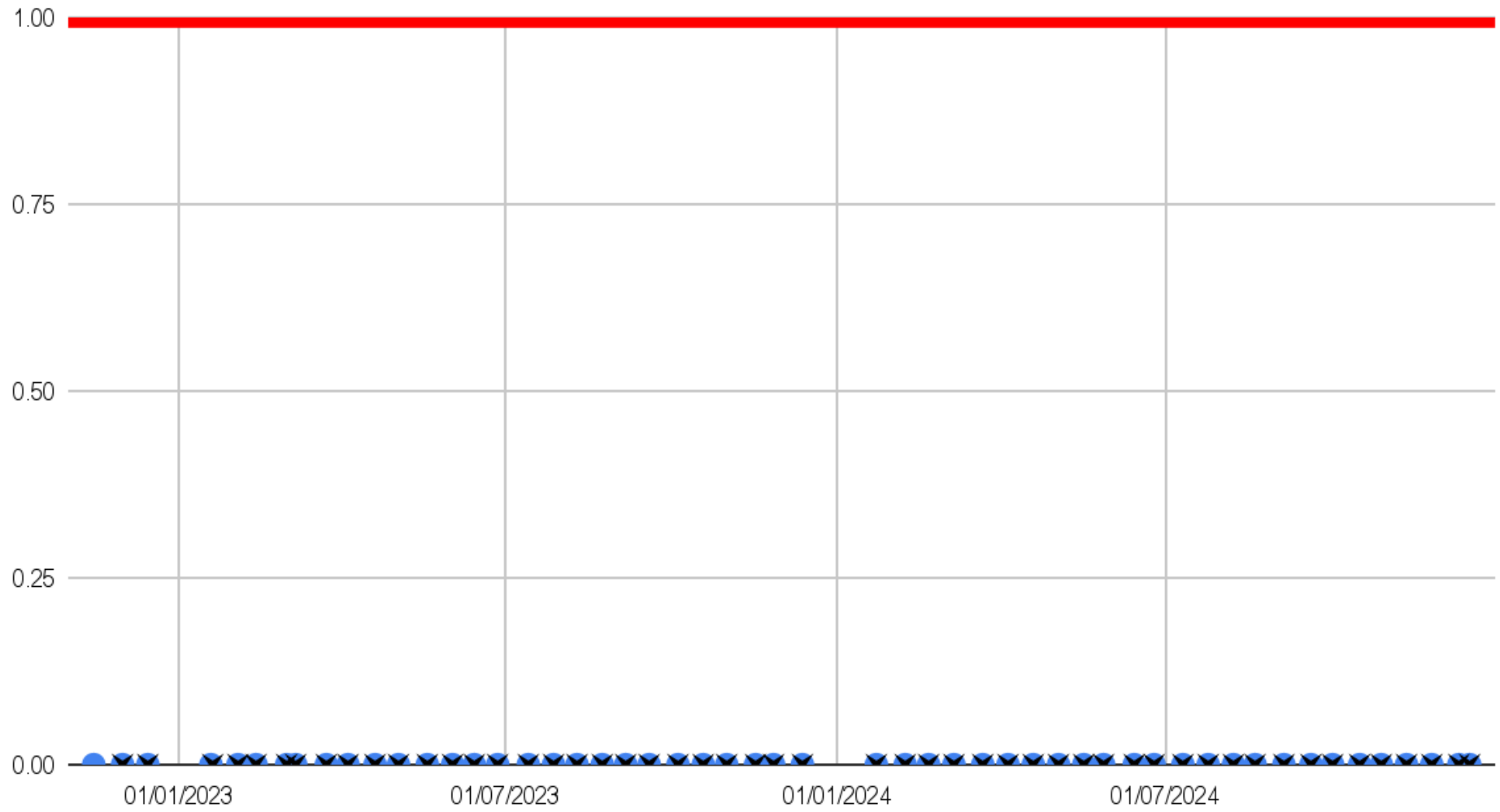
● Huntly Treated Water Tank Coliforms (CFU/100mL) ✕ Huntly Hydrants Coliforms (CFU/100mL) 1 CFU/100mL ■ Limit

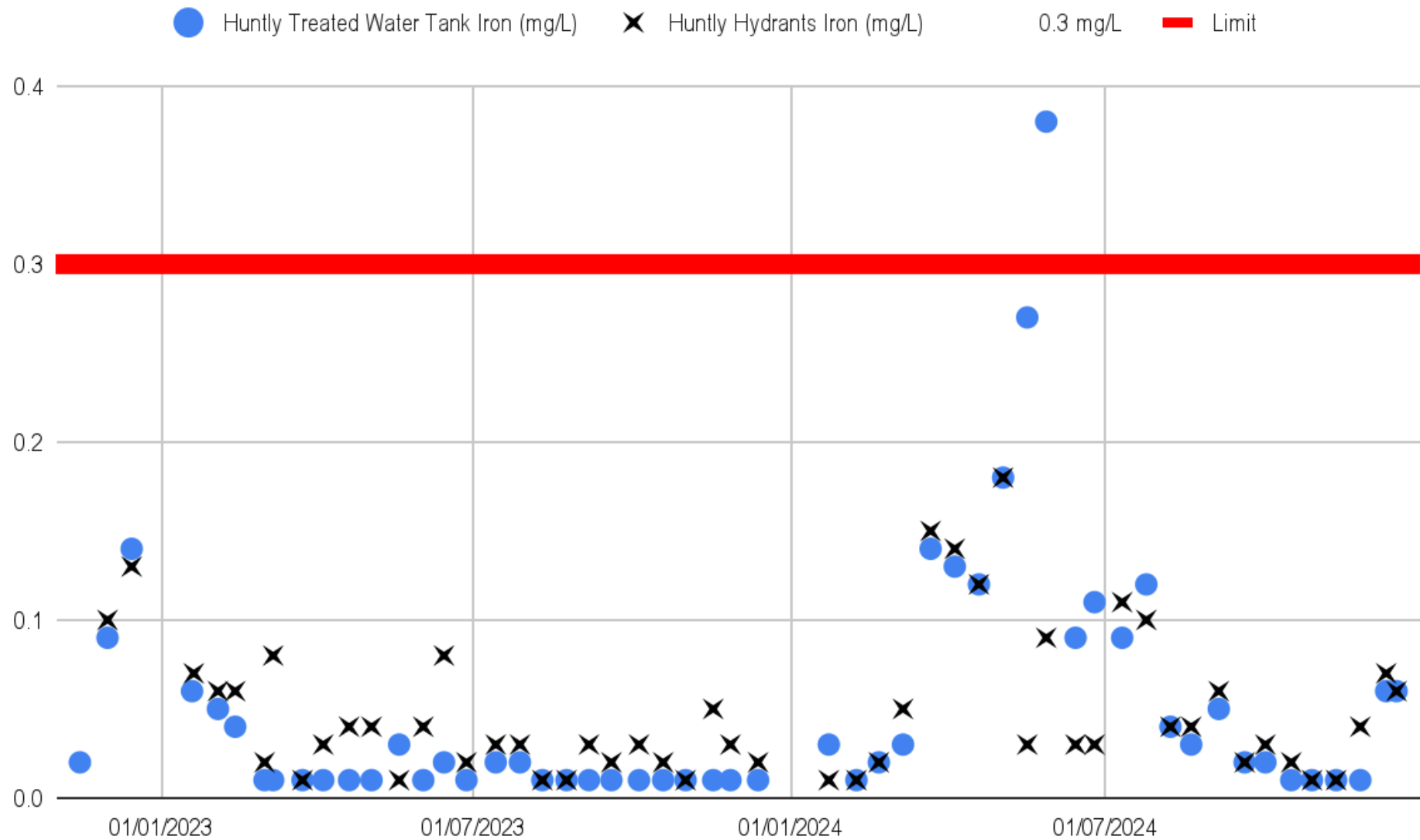


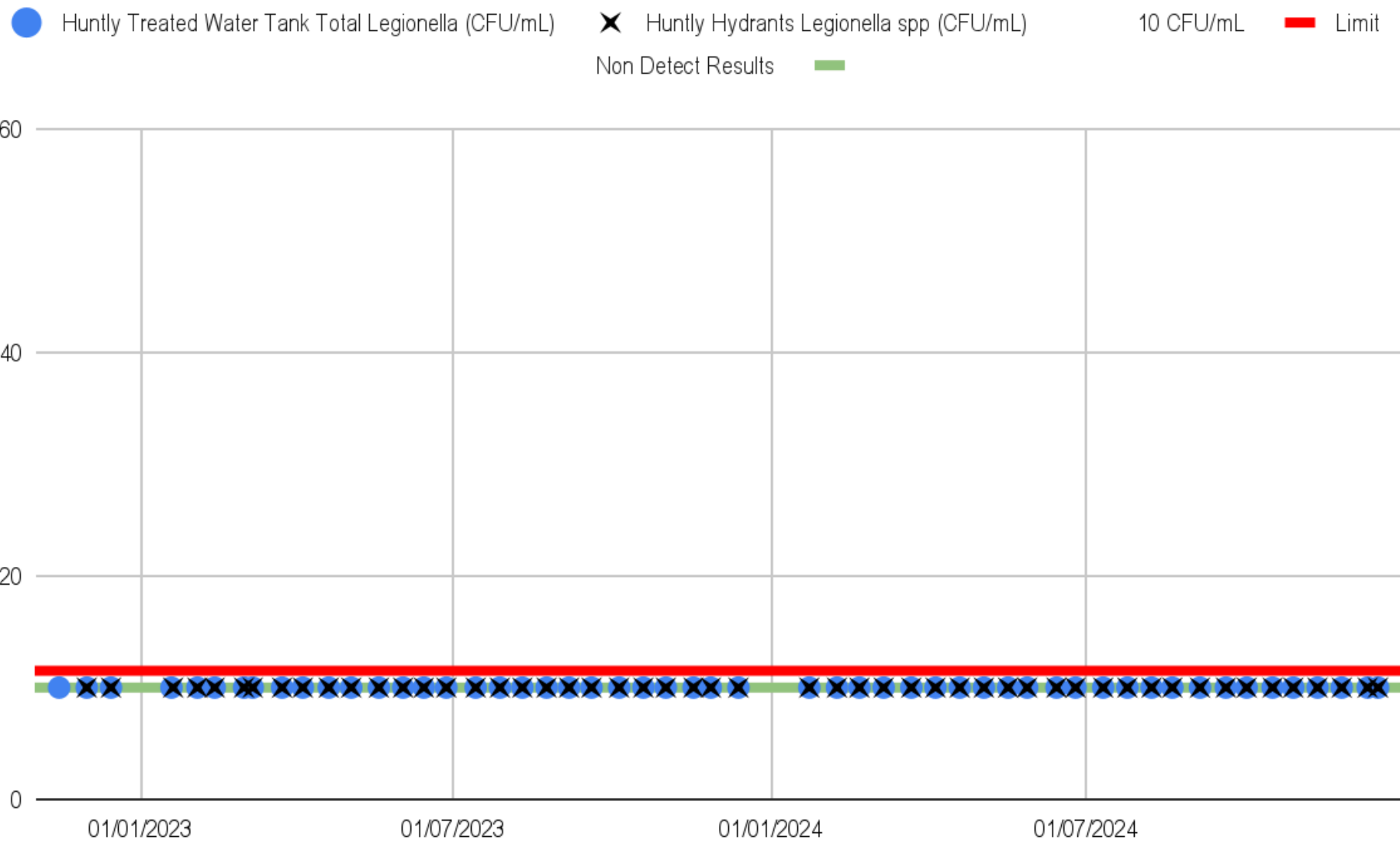


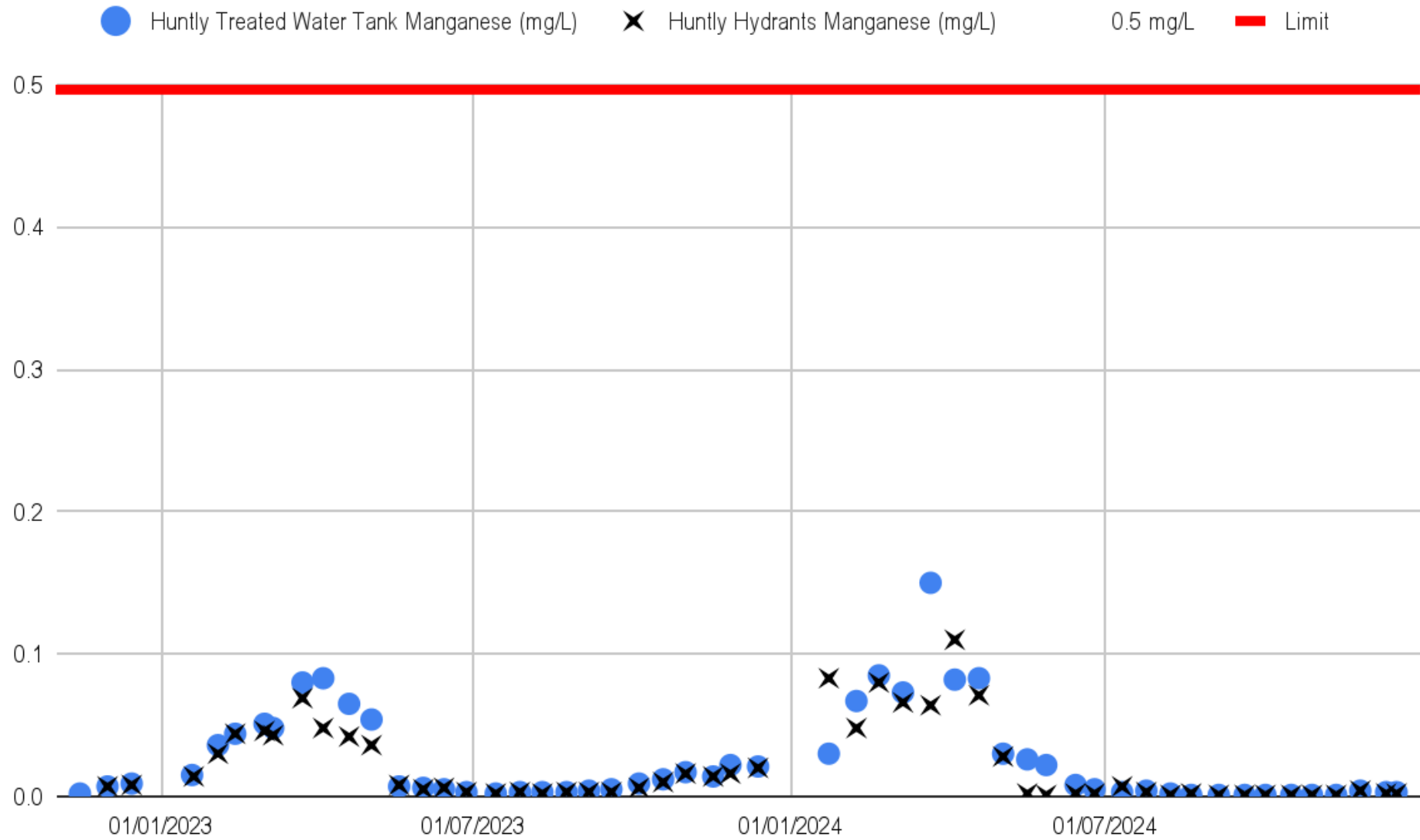


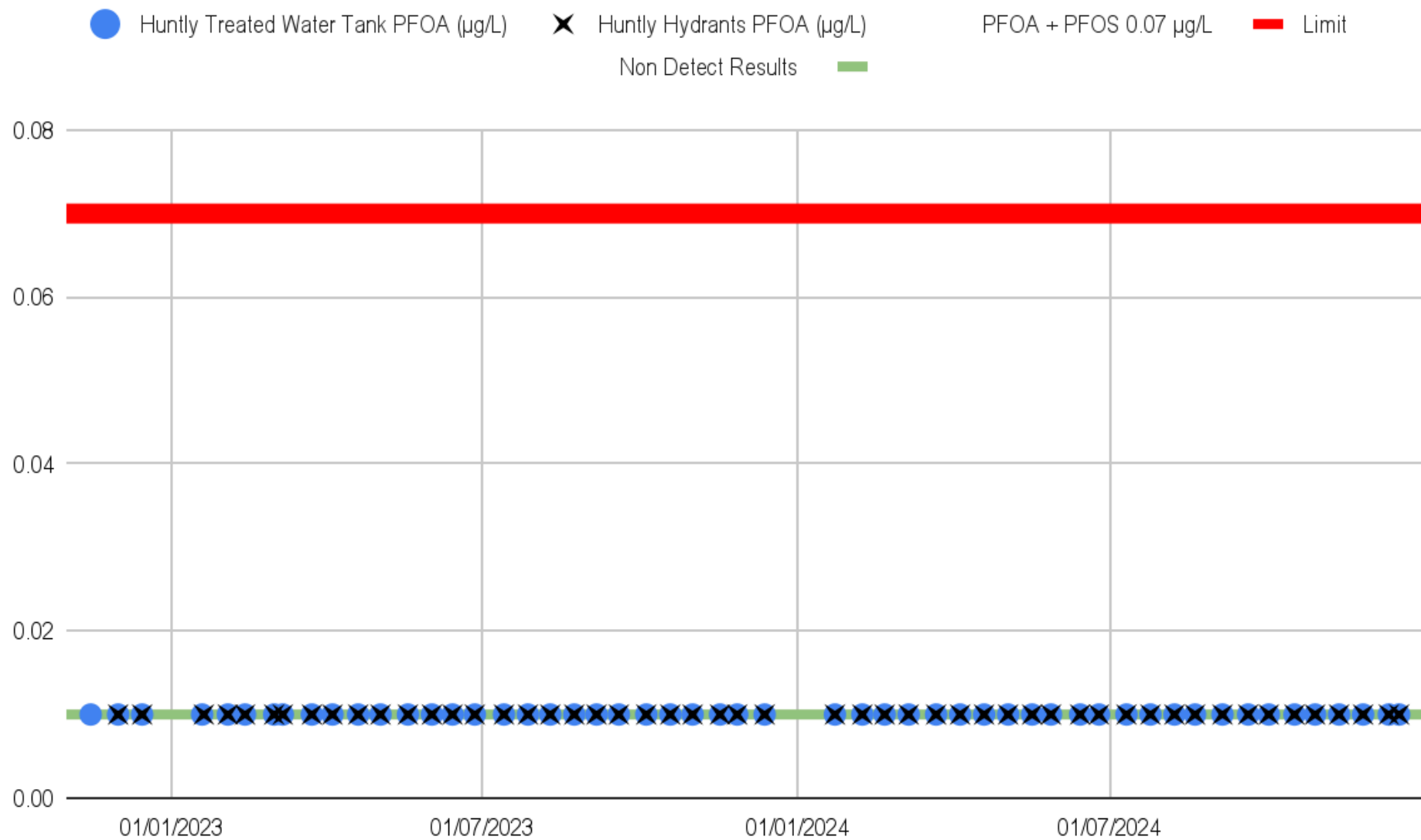
● Huntly Treated Water Tank E.coli (CFU/100mL) ✕ Huntly Hydrants E.coli (CFU/100mL) 1 CFU/100mL — Limit











● 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 ■

