

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.

| 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.

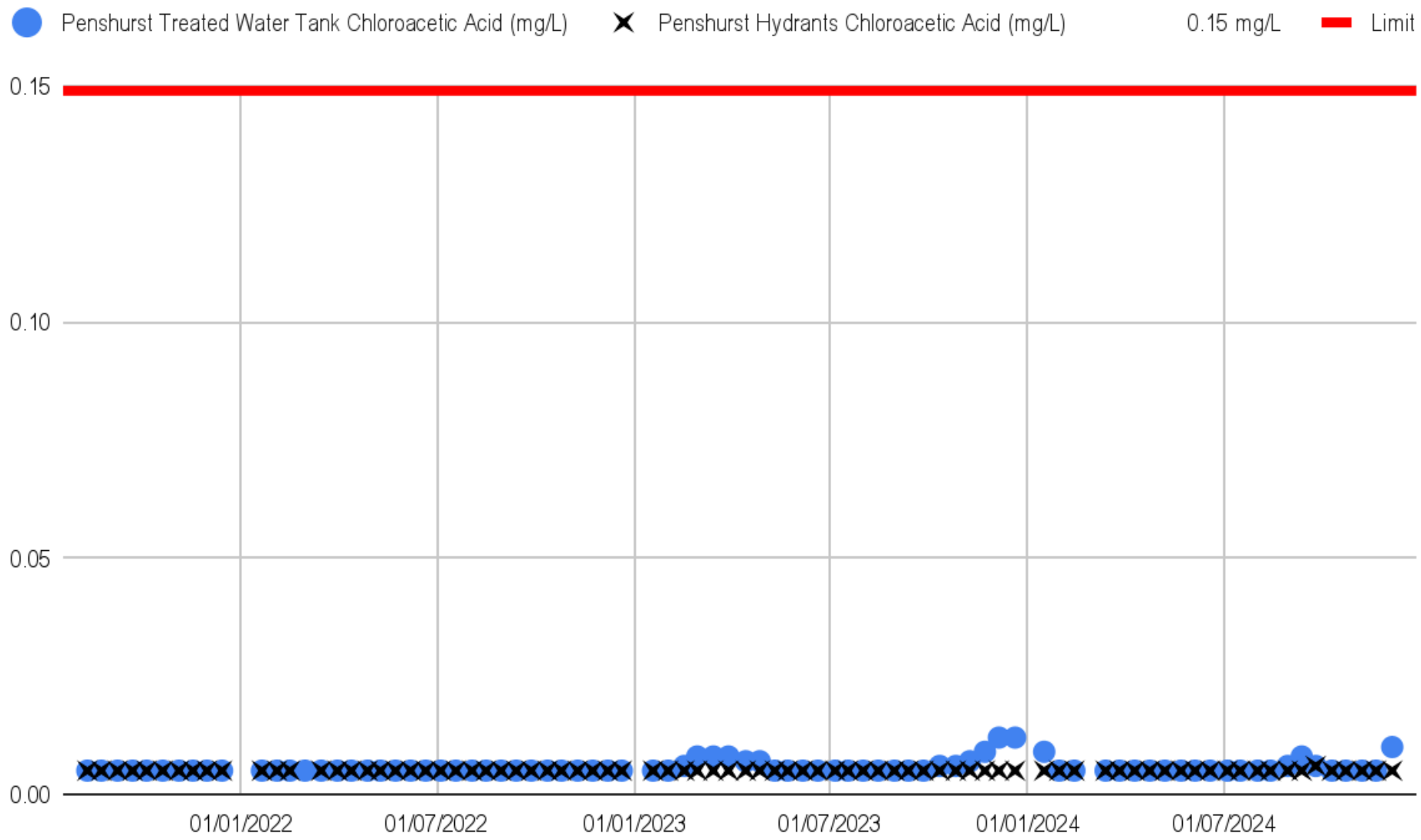
| WTP7 - Huntly Water Quality Summary | | |
|-------------------------------------|----------------------------------|-----------------------------------|
| Sample Date | Treated Water Tank Outlet | Hydrants |
| 02/10/2024 | All results within Specification | All hydrants within Specification |
| 17/10/2024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

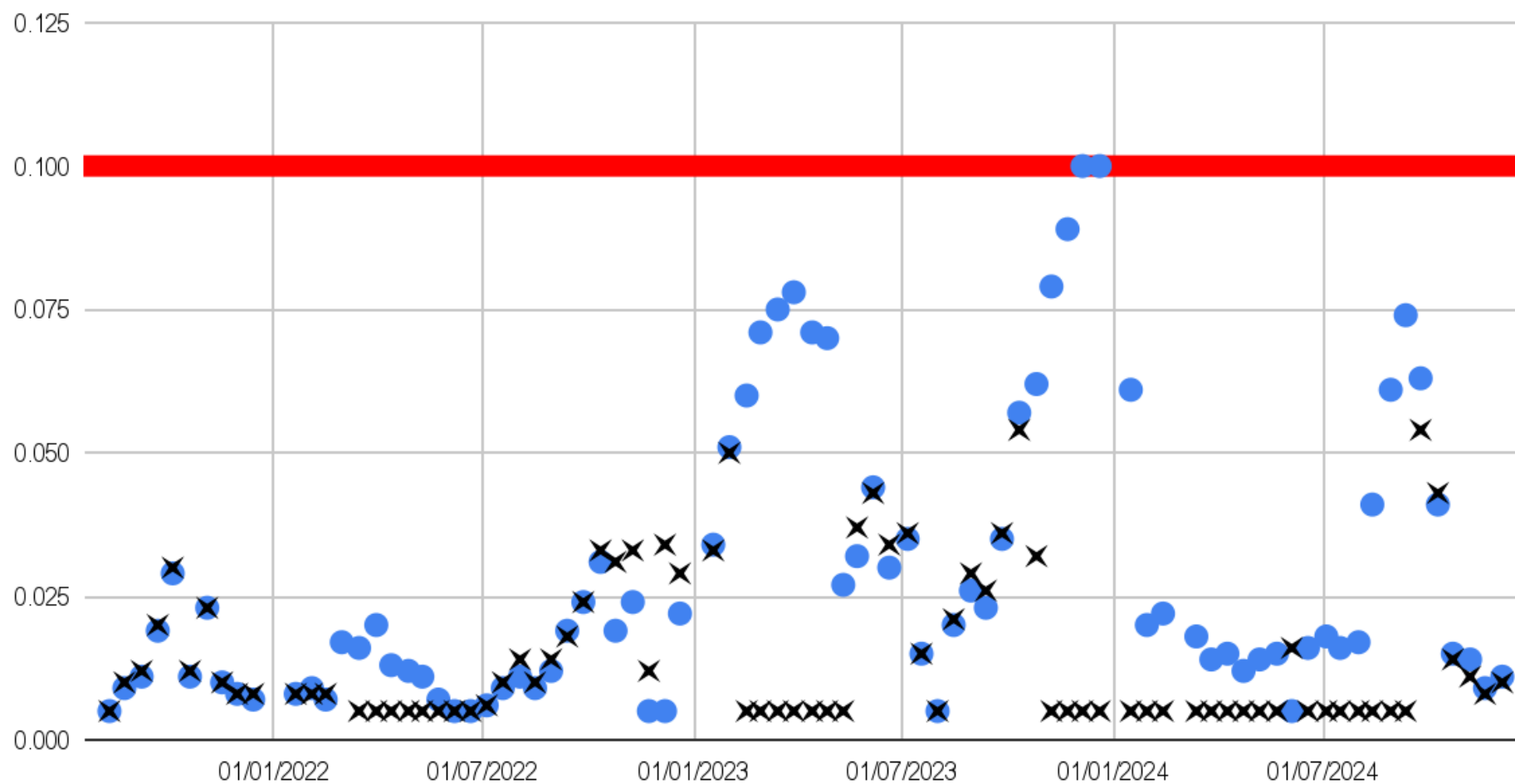
Treated water tank outlet and all hydrants within Specification.

Water Quality Charts

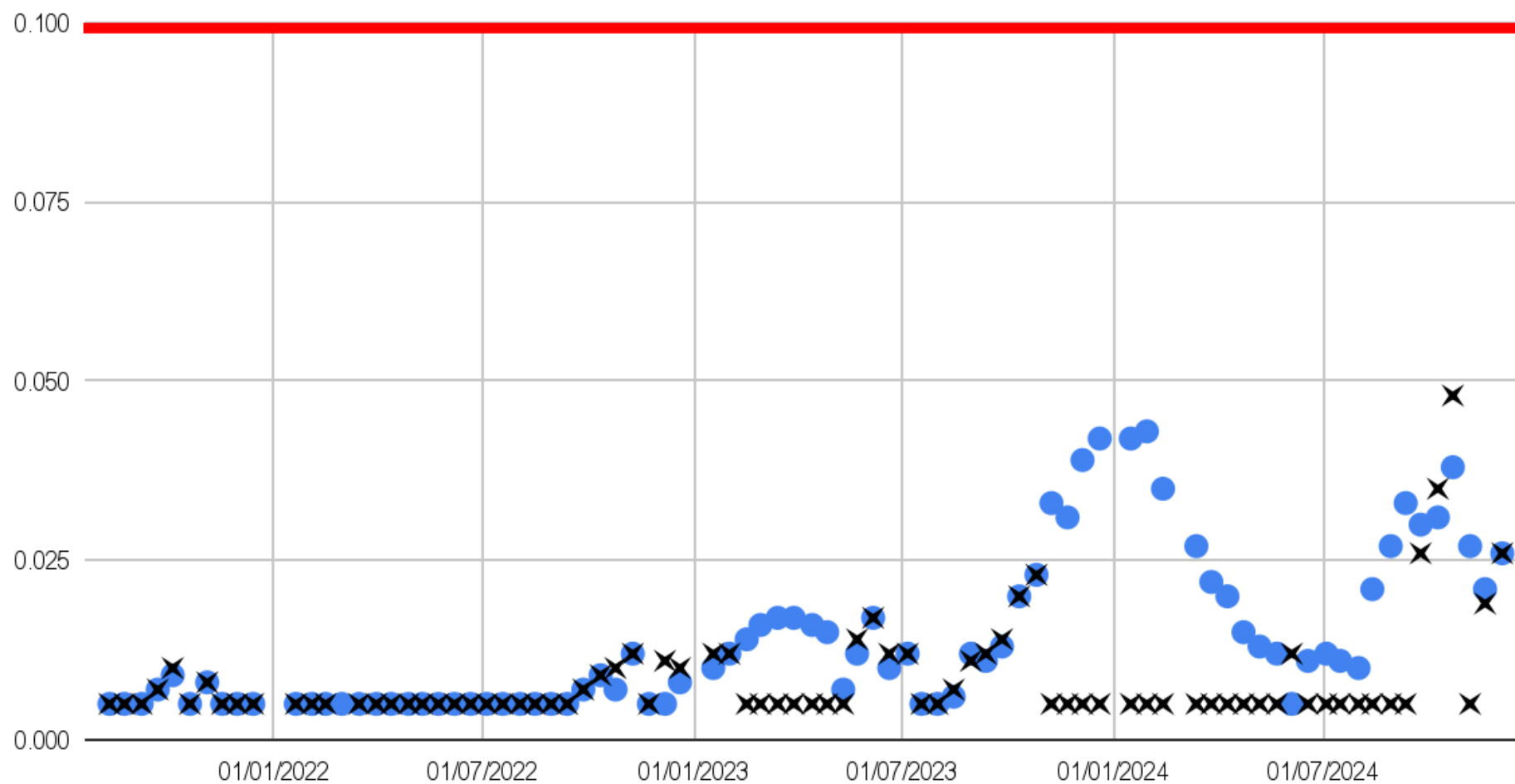
External Laboratory Results



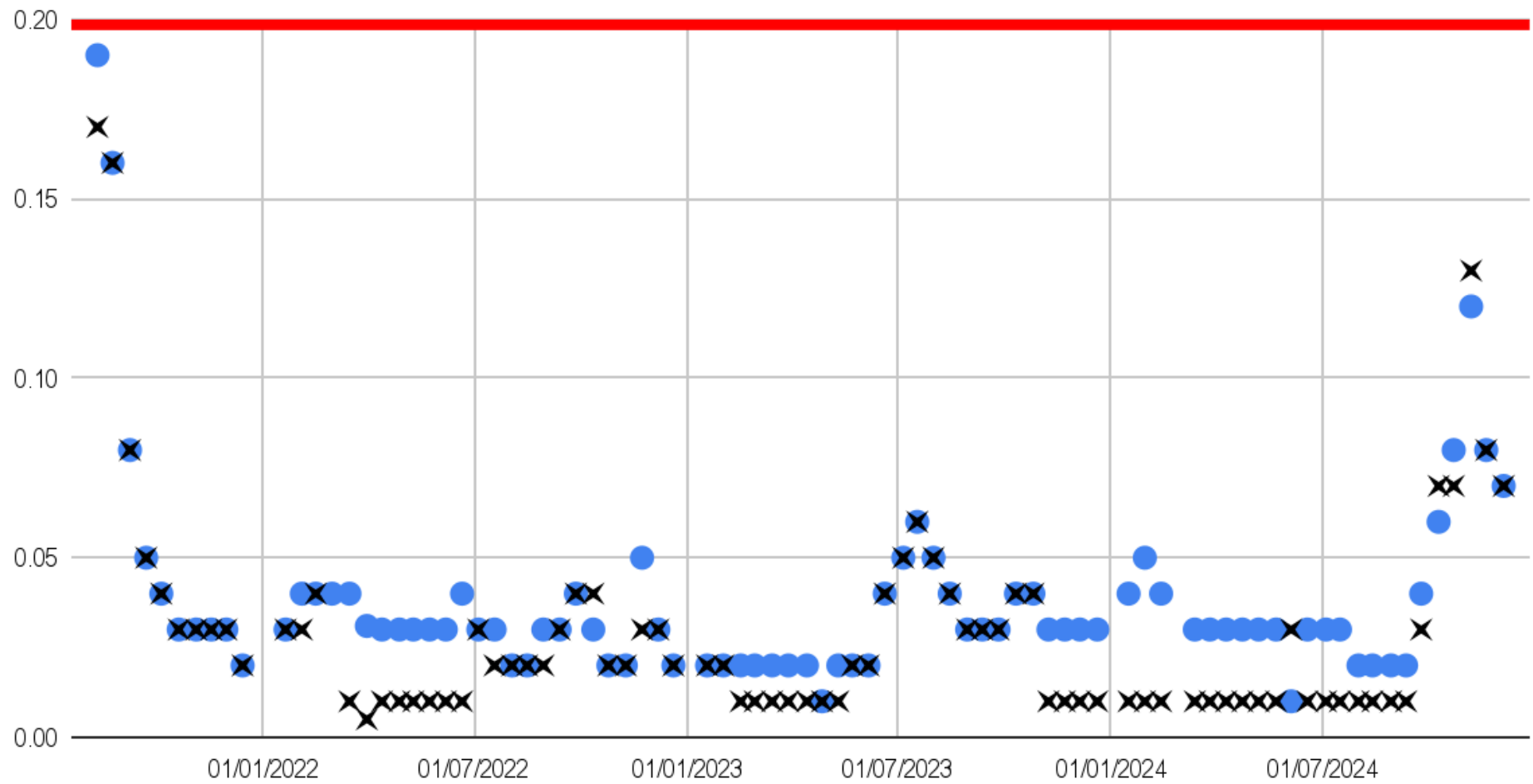
● Penshurst Treated Water Tank Dichloroacetic Acid (mg/L) ✕ Penshurst Hydrants Dichloroacetic Acid (mg/L) 0.1 mg/L
— Limit

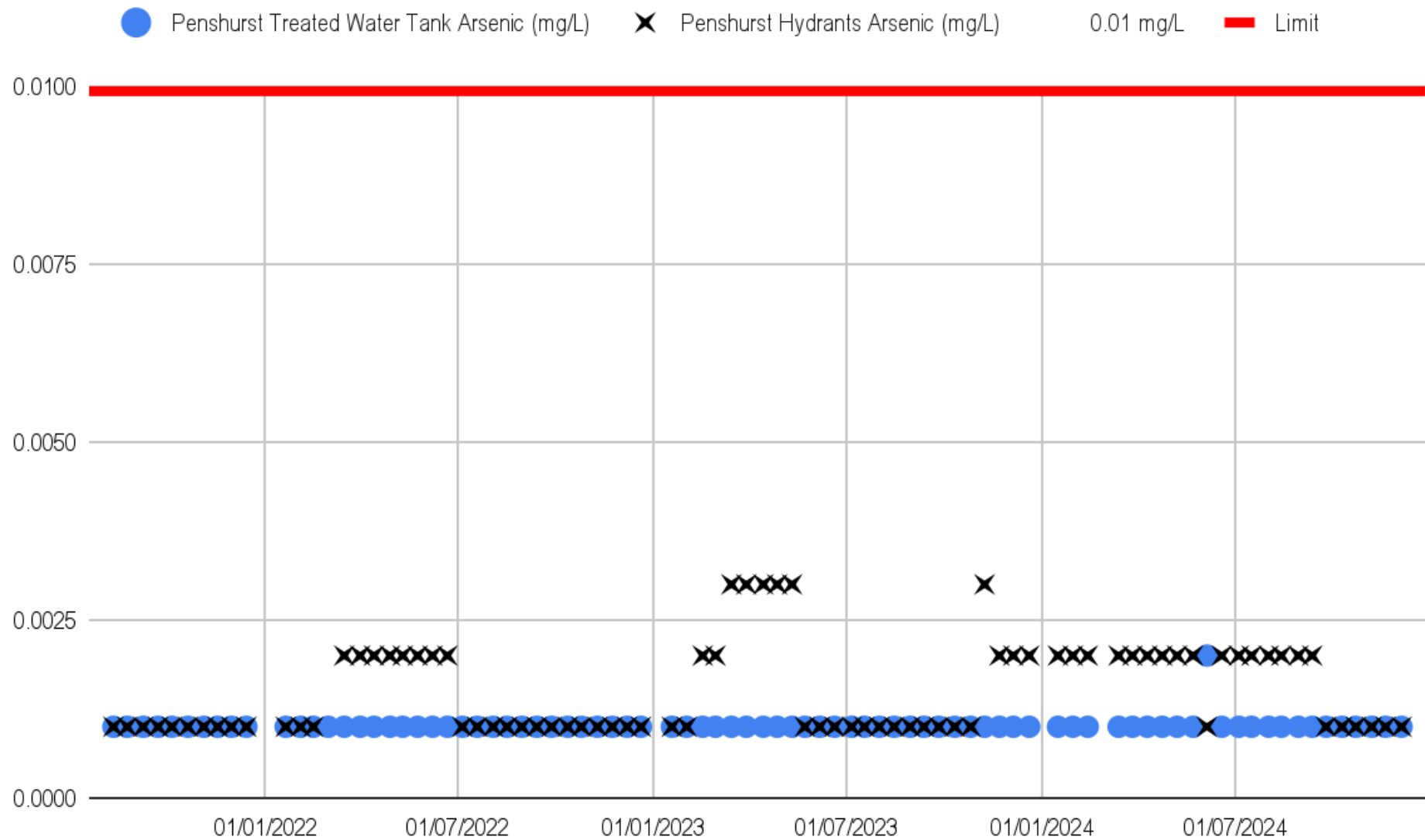


● Penshurst Treated Water Tank Trichloroacetic Acid (mg/L) ✕ Penshurst Hydrants Trichloroacetic Acid (mg/L) 0.1 mg/L
— Limit

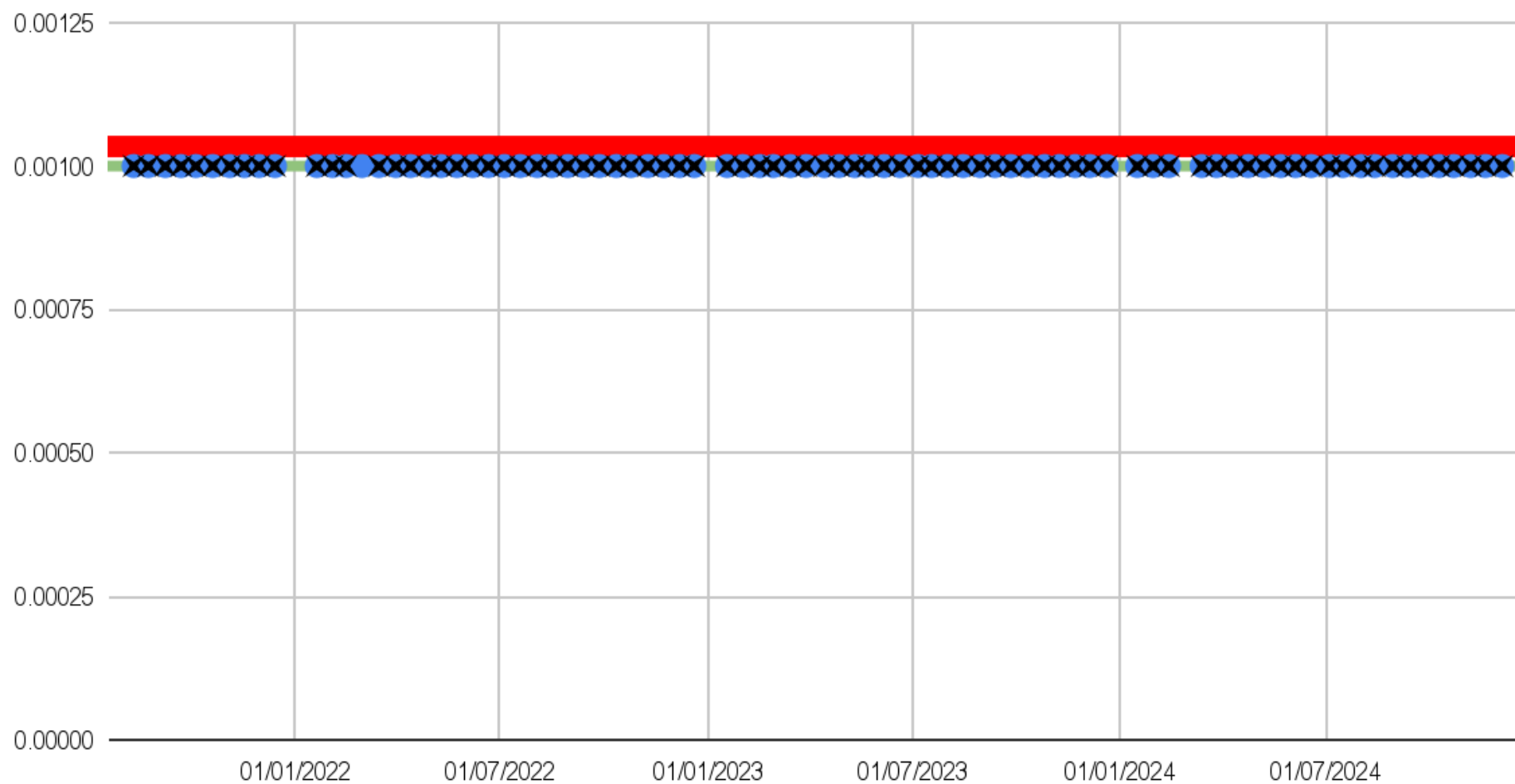


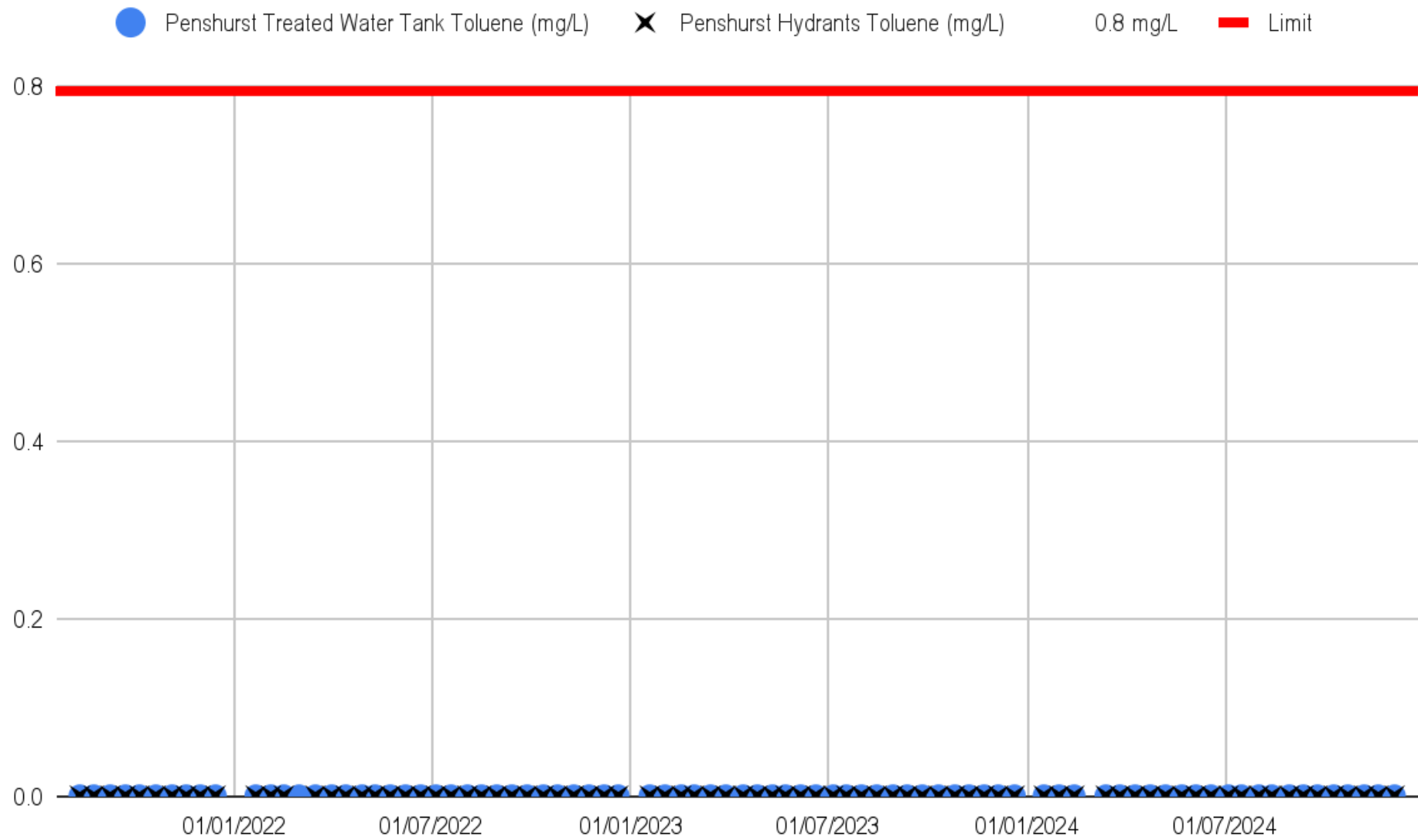
● Penshurst Treated Water Tank Acid Soluble Aluminium (mg/L) ✕ Penshurst Hydrants Acid Soluble Aluminium (mg/L) 0.2 mg/L
— Limit

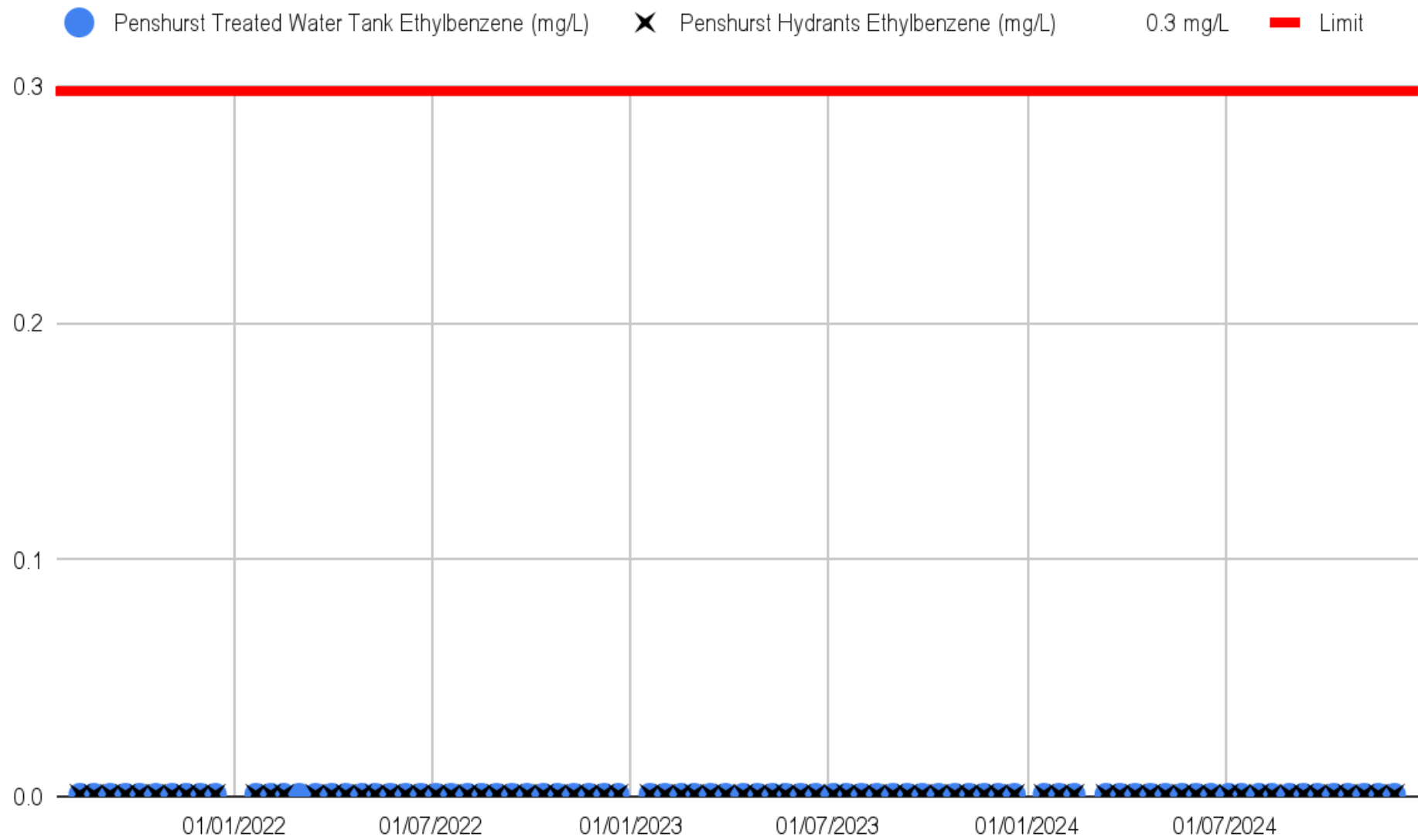


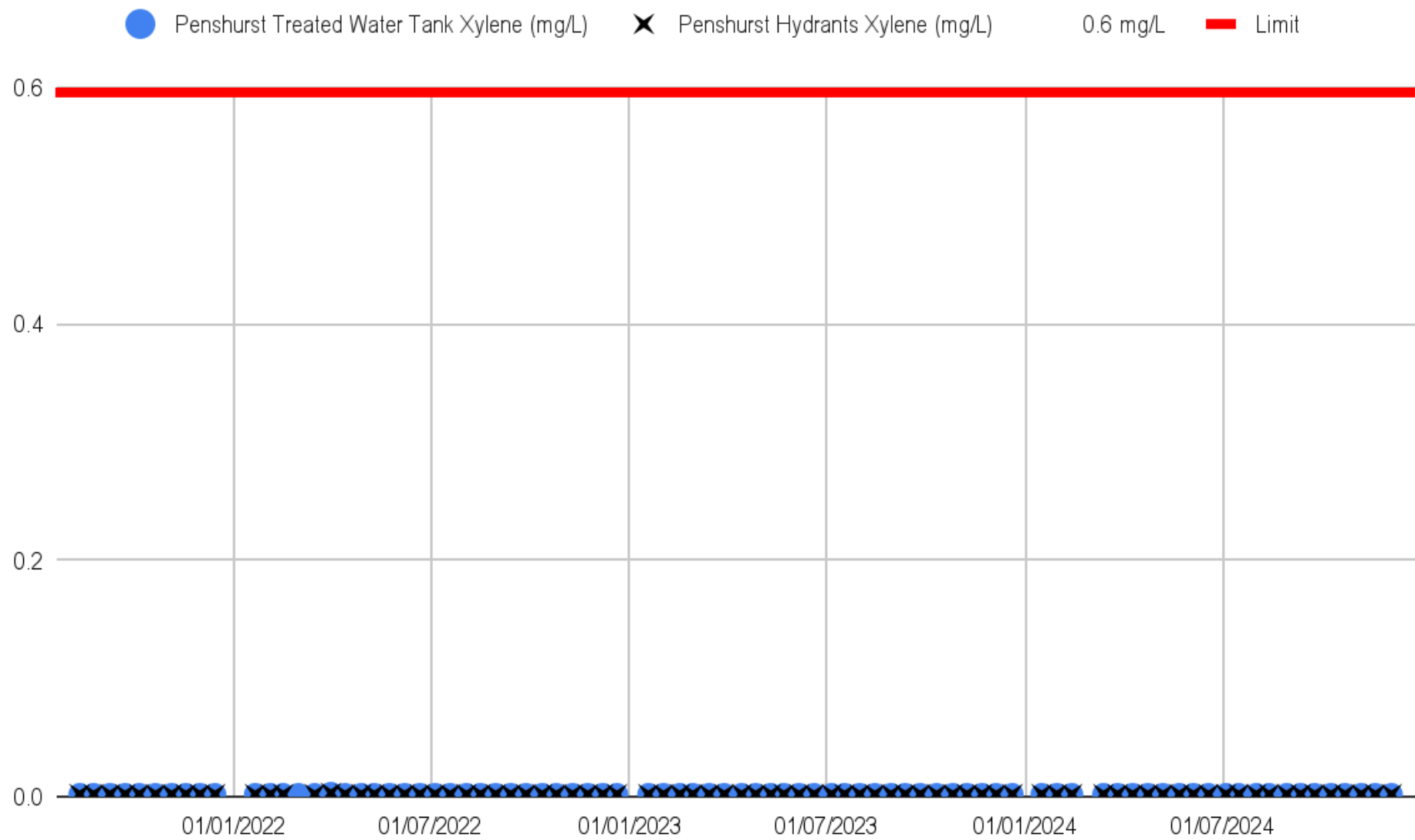


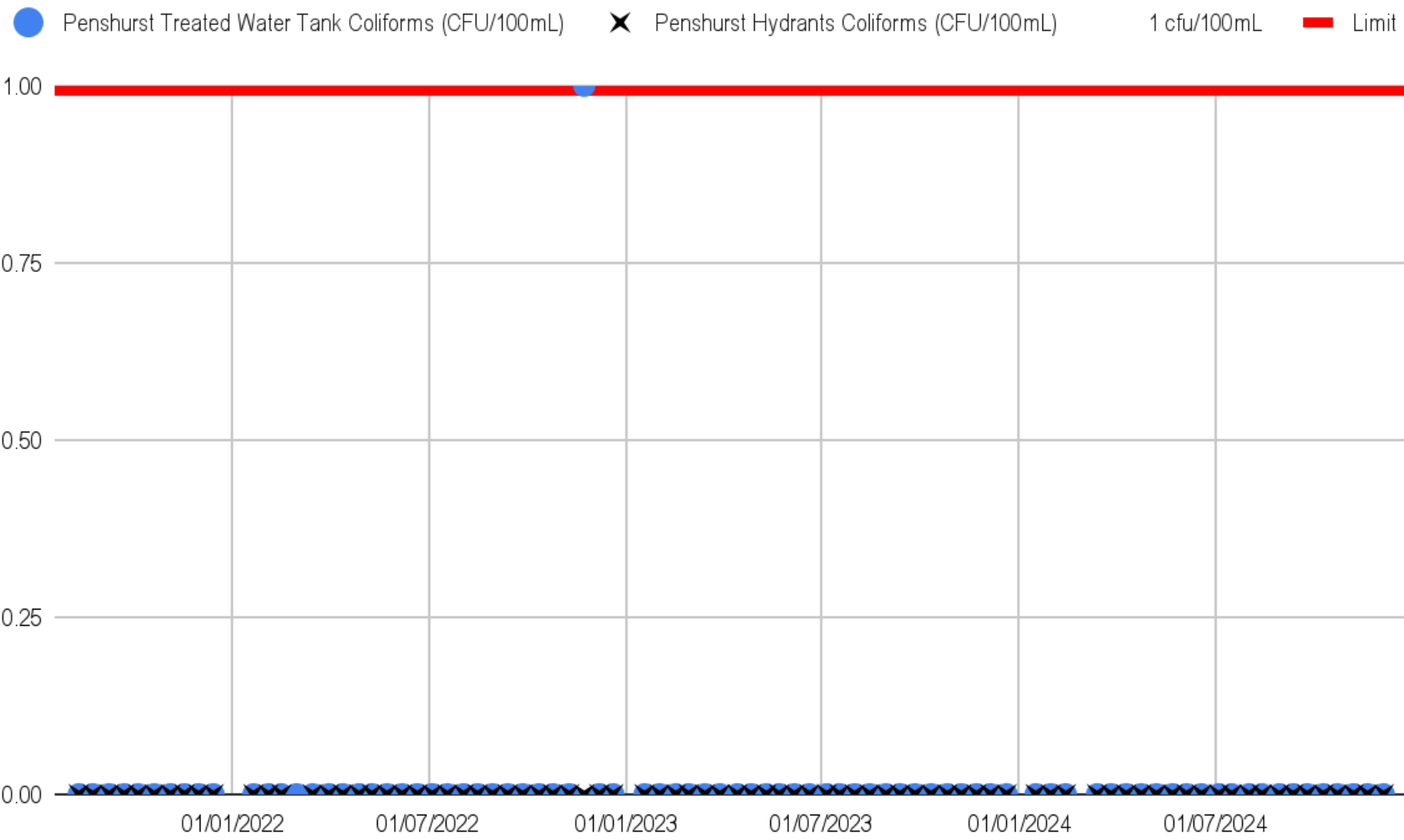
● Penshurst Treated Water Tank Benzene (mg/L) ✕ Penshurst Hydrants Benzene (mg/L) 0.001 mg/L ■ Limit
Non Detect Results ■



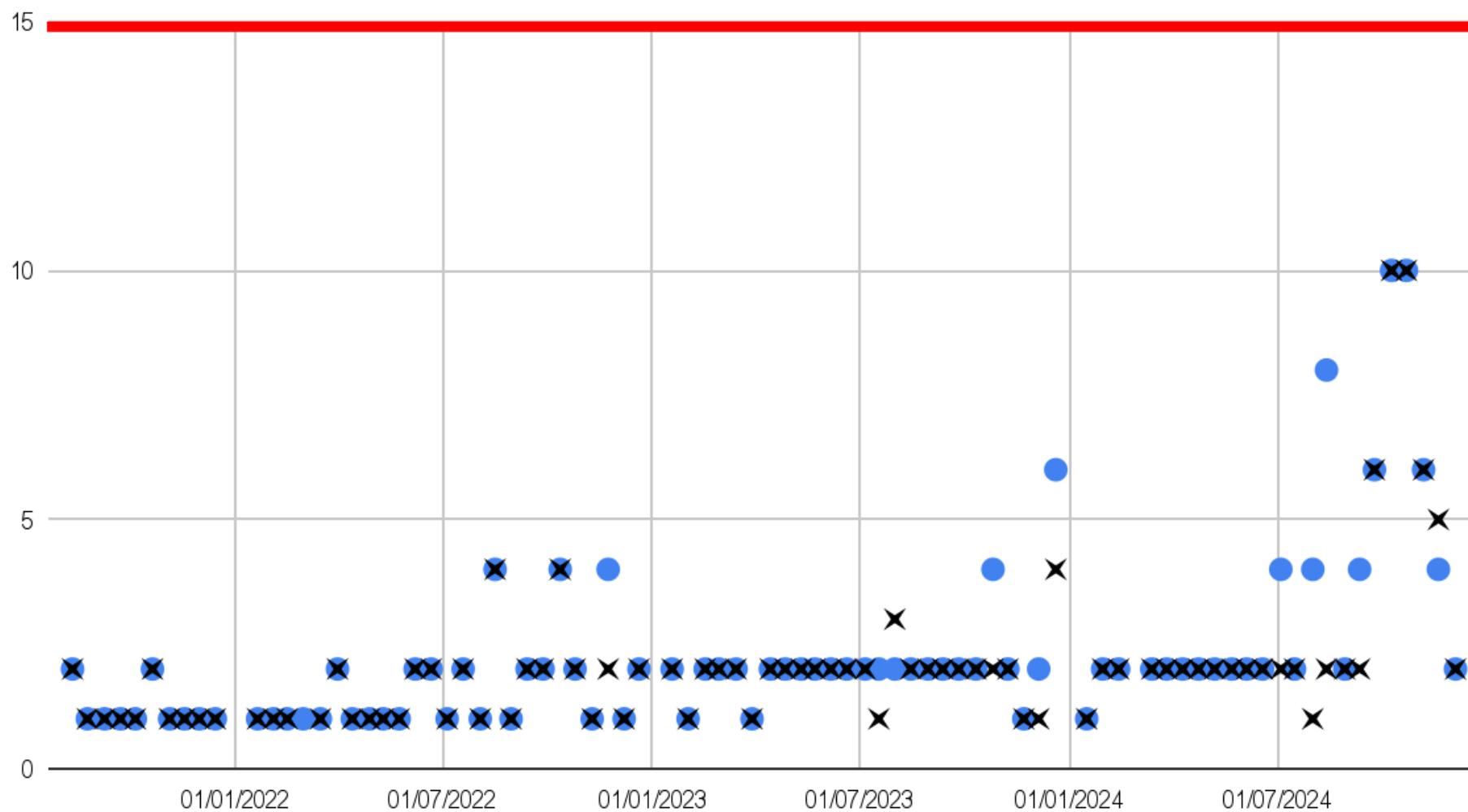


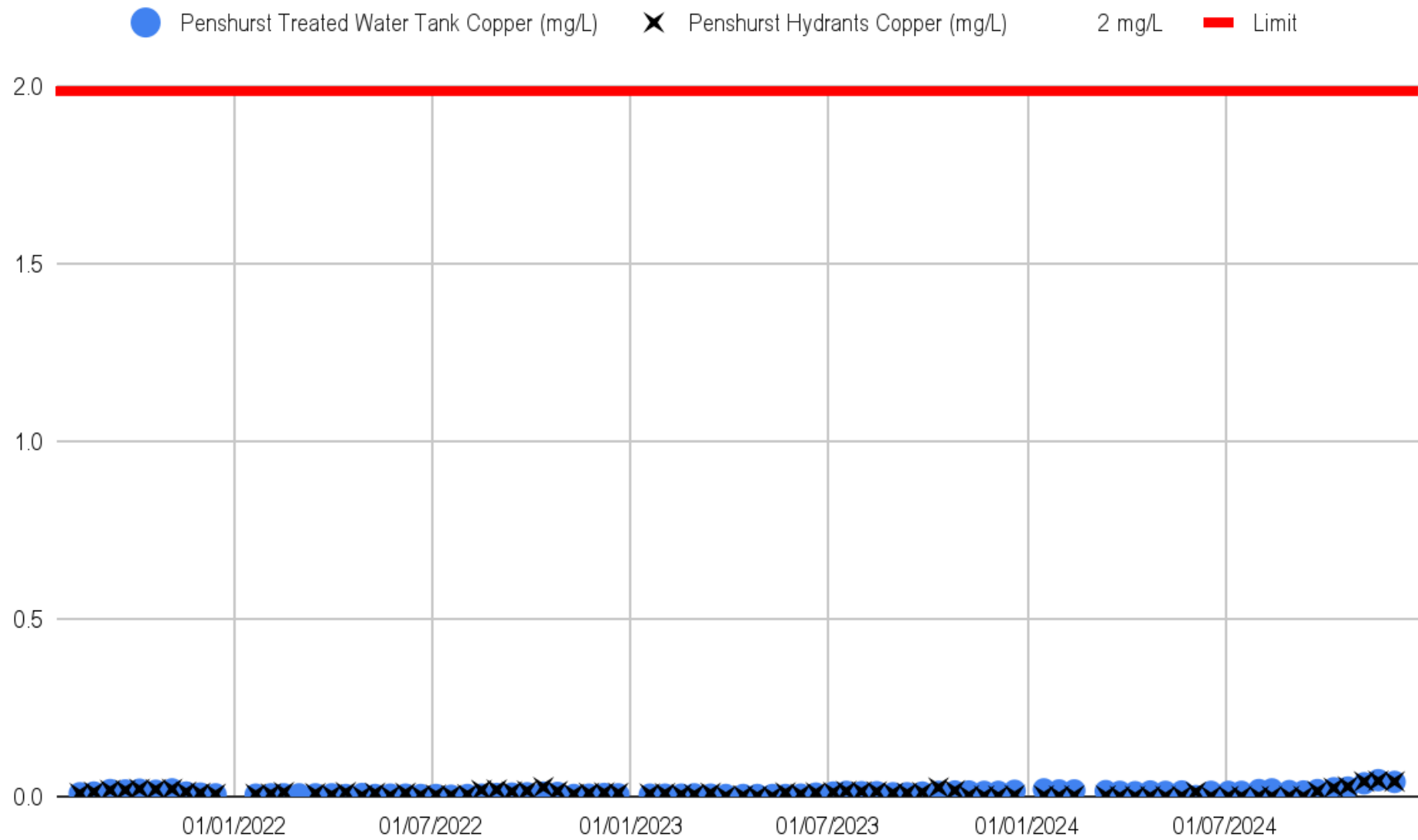


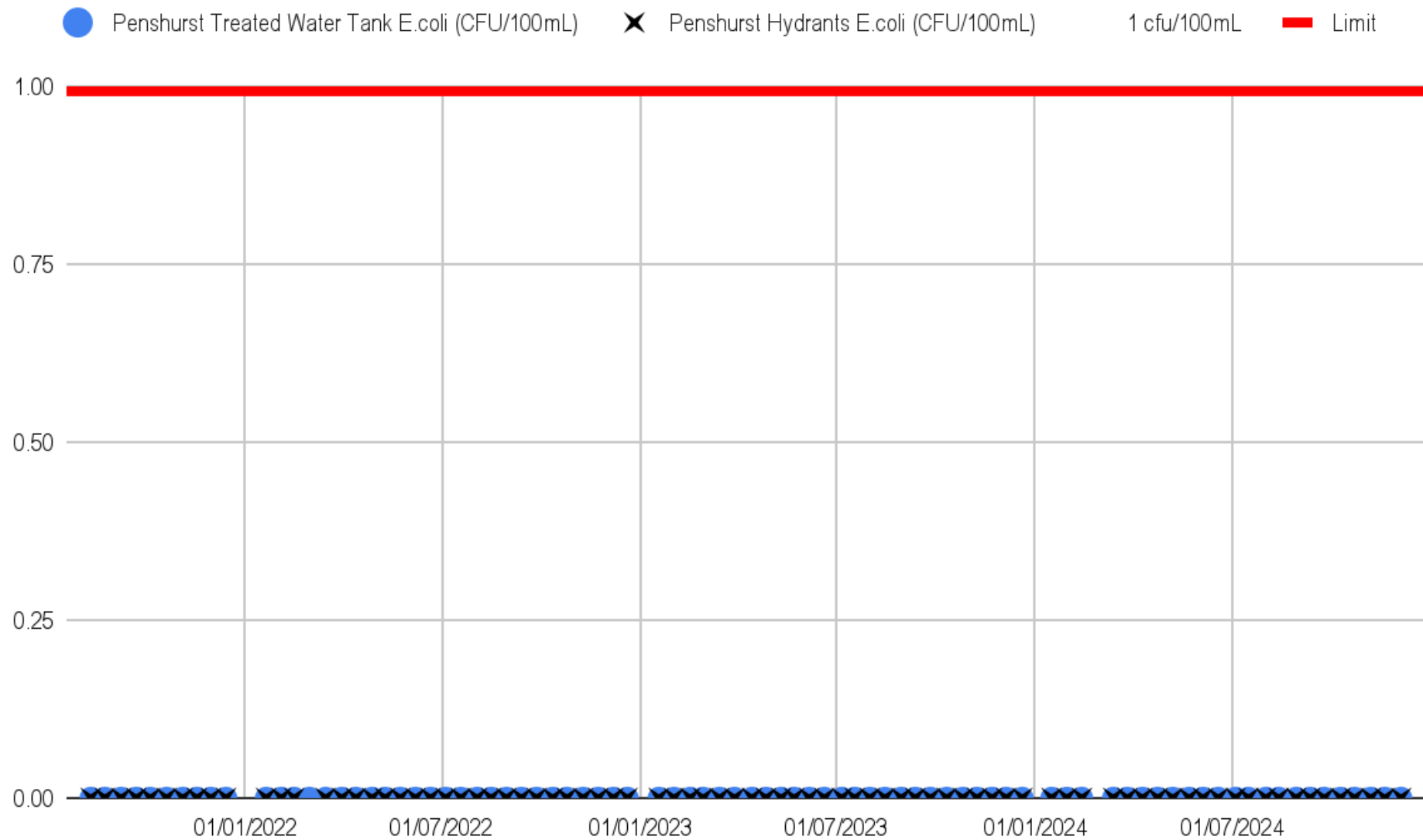


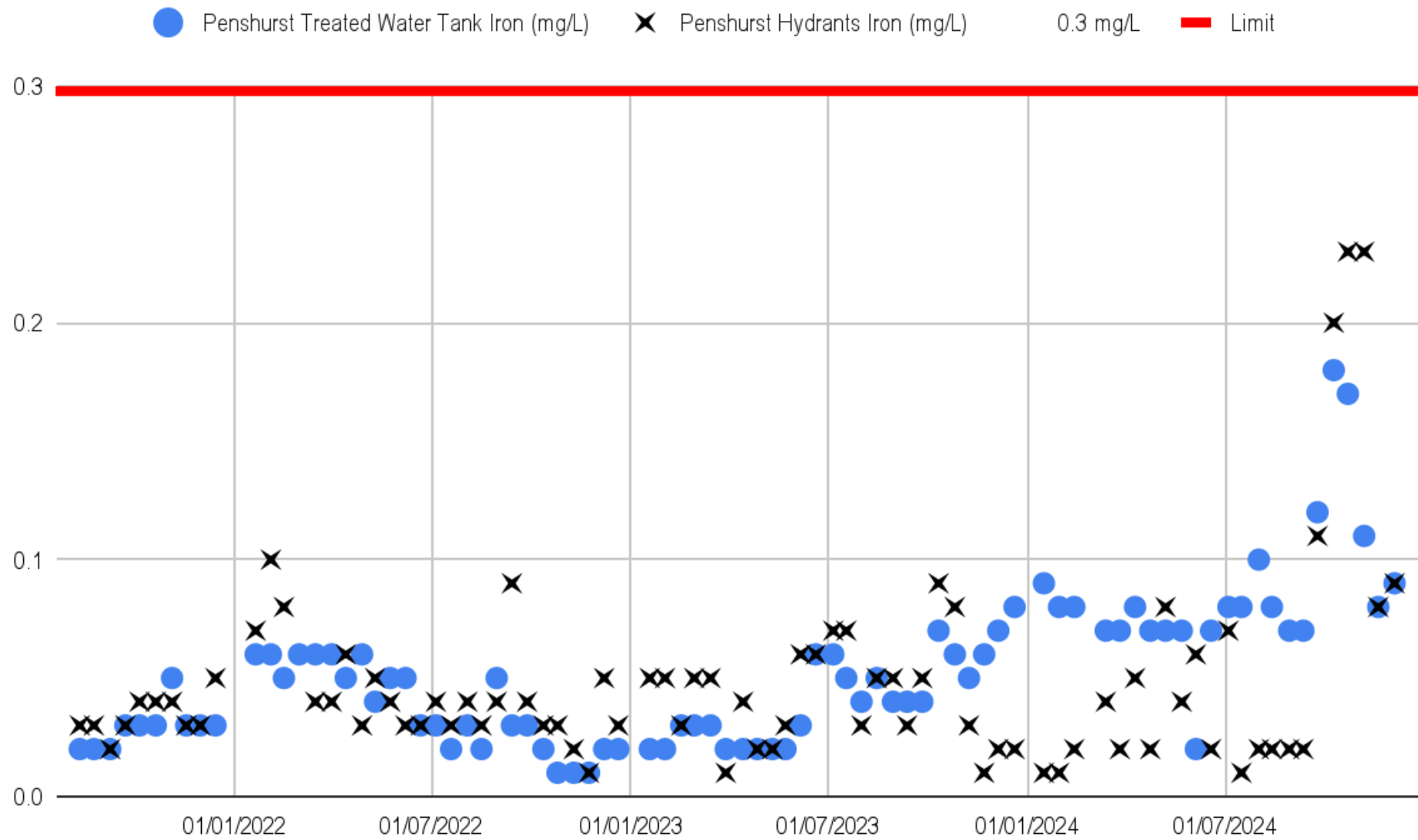


● Penshurst Treated Water Tank Colour (Pt/Co) ✕ Penshurst Hydrants Colour (Pt/Co) 15 Pt/Co — Limit

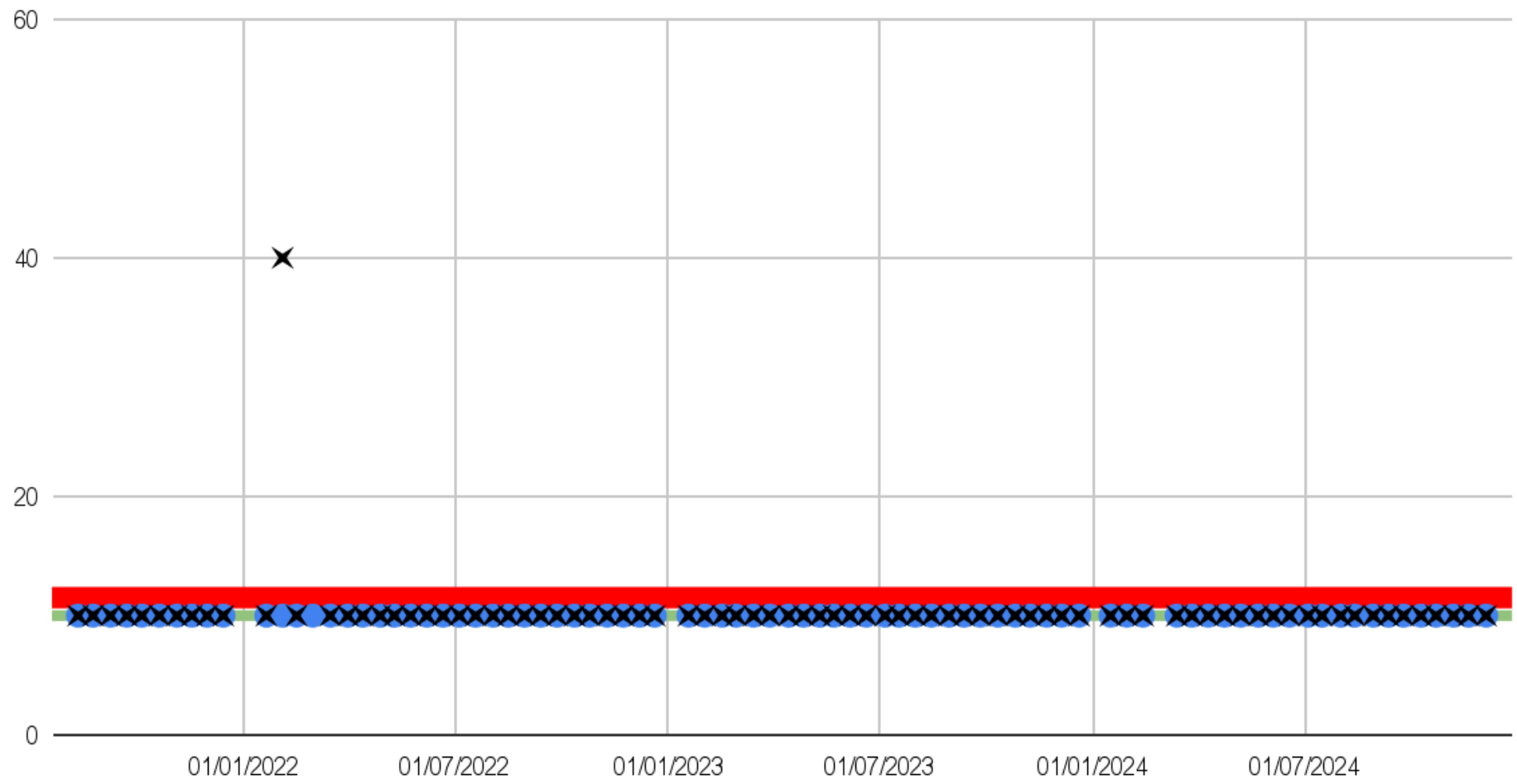


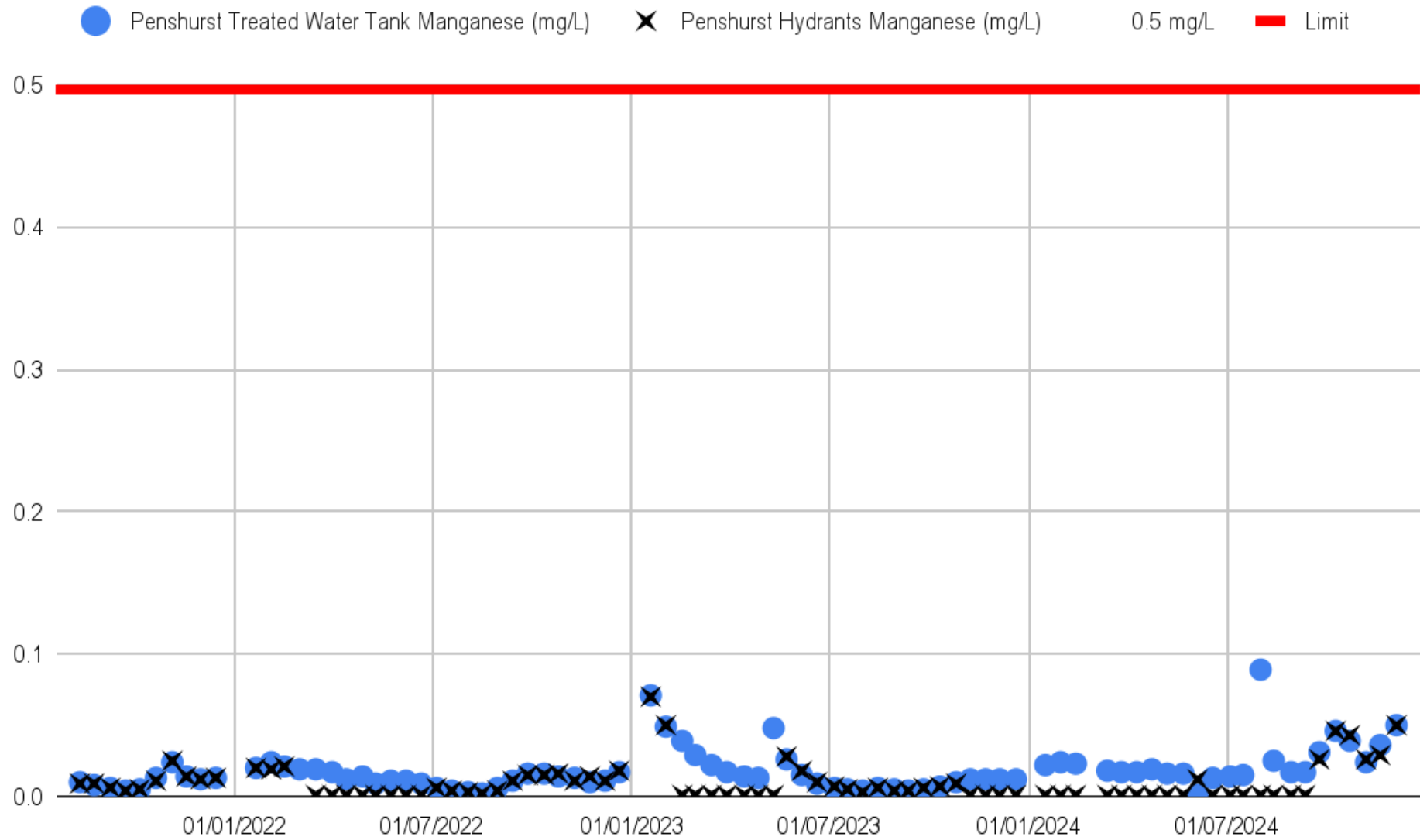






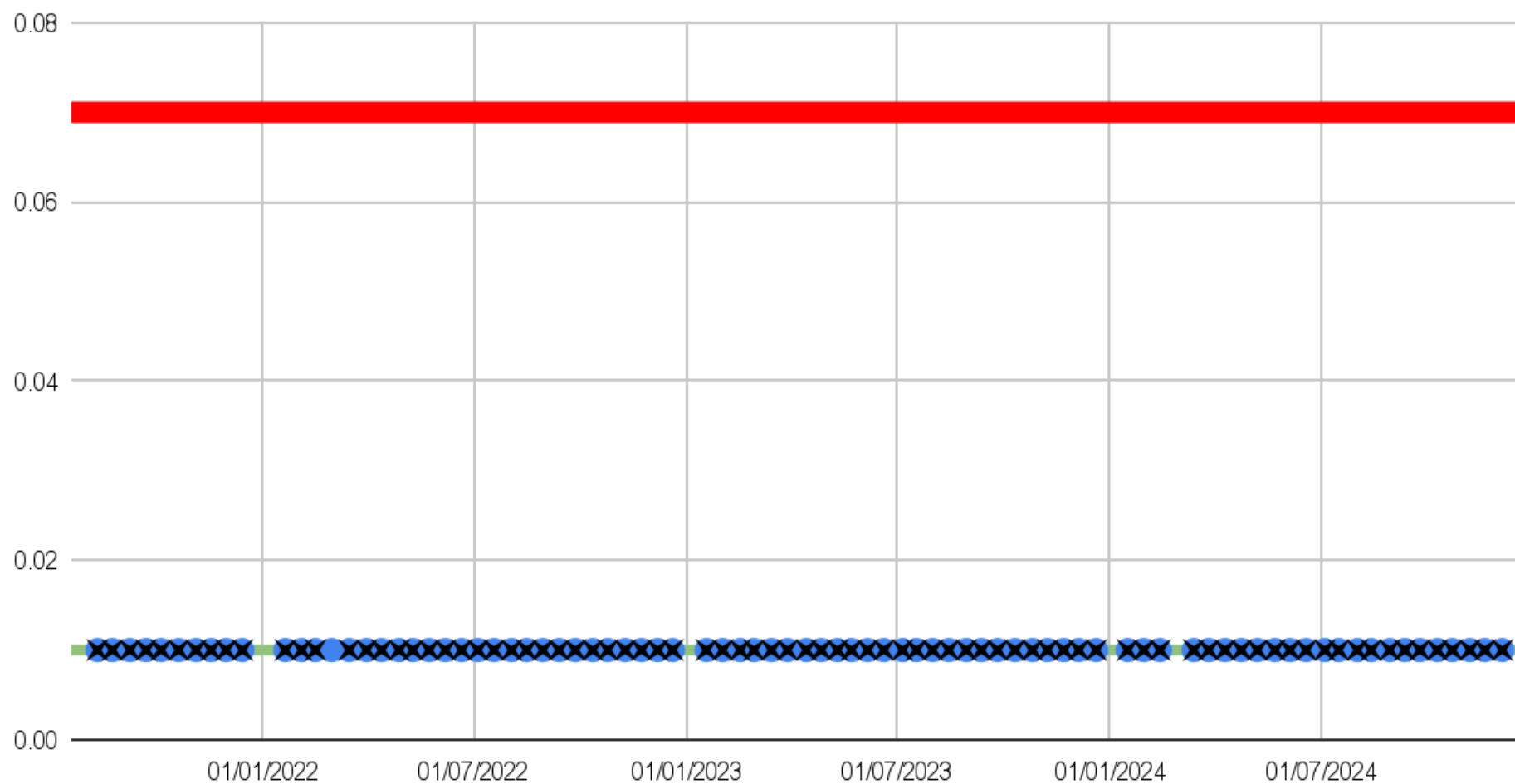
● Penshurst Treated Water Tank Total Legionella (CFU/mL) ✕ Penshurst Hydrants Total Legionella (CFU/mL) 10 cfu/mL ■ Limit
Non Detect Results ■

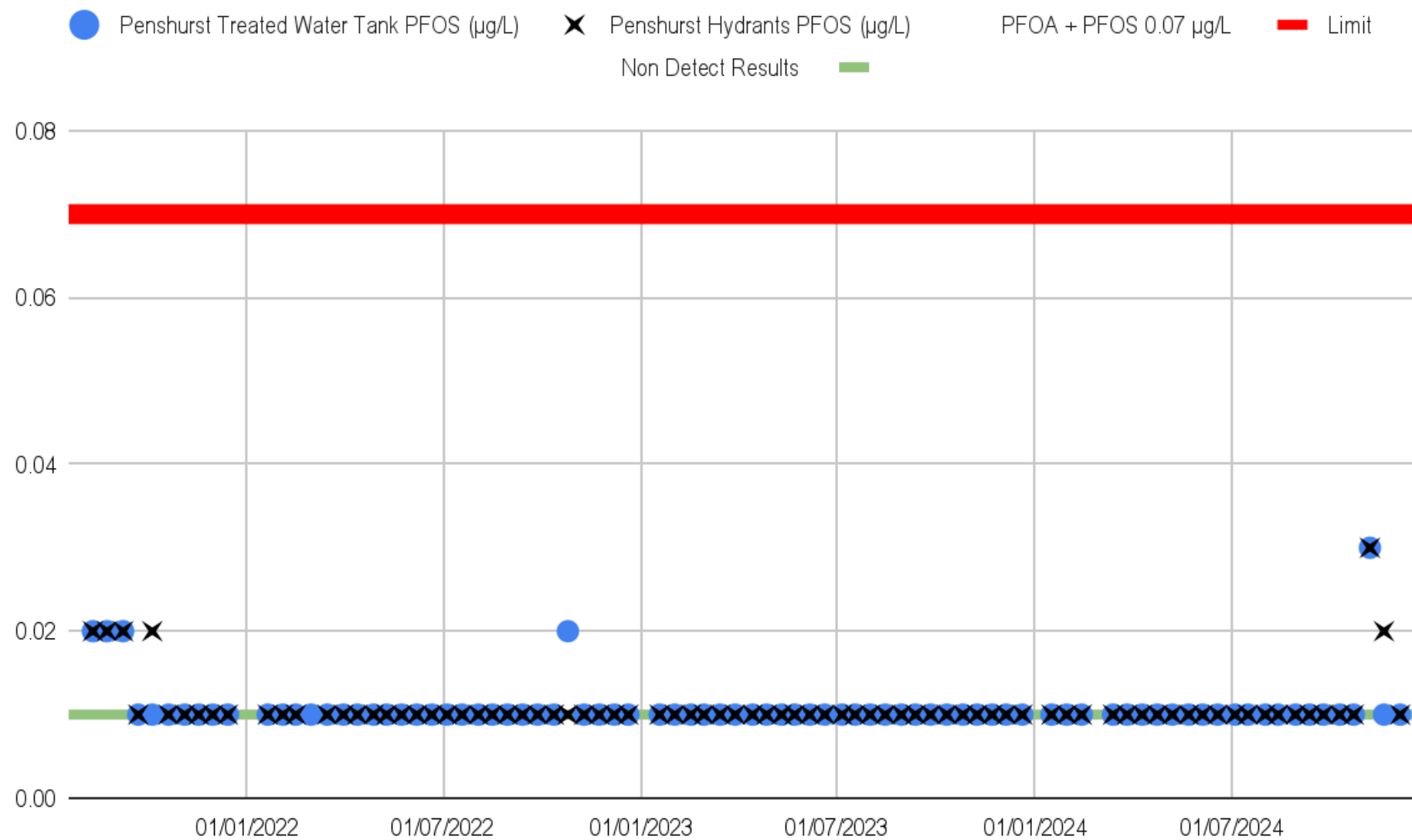




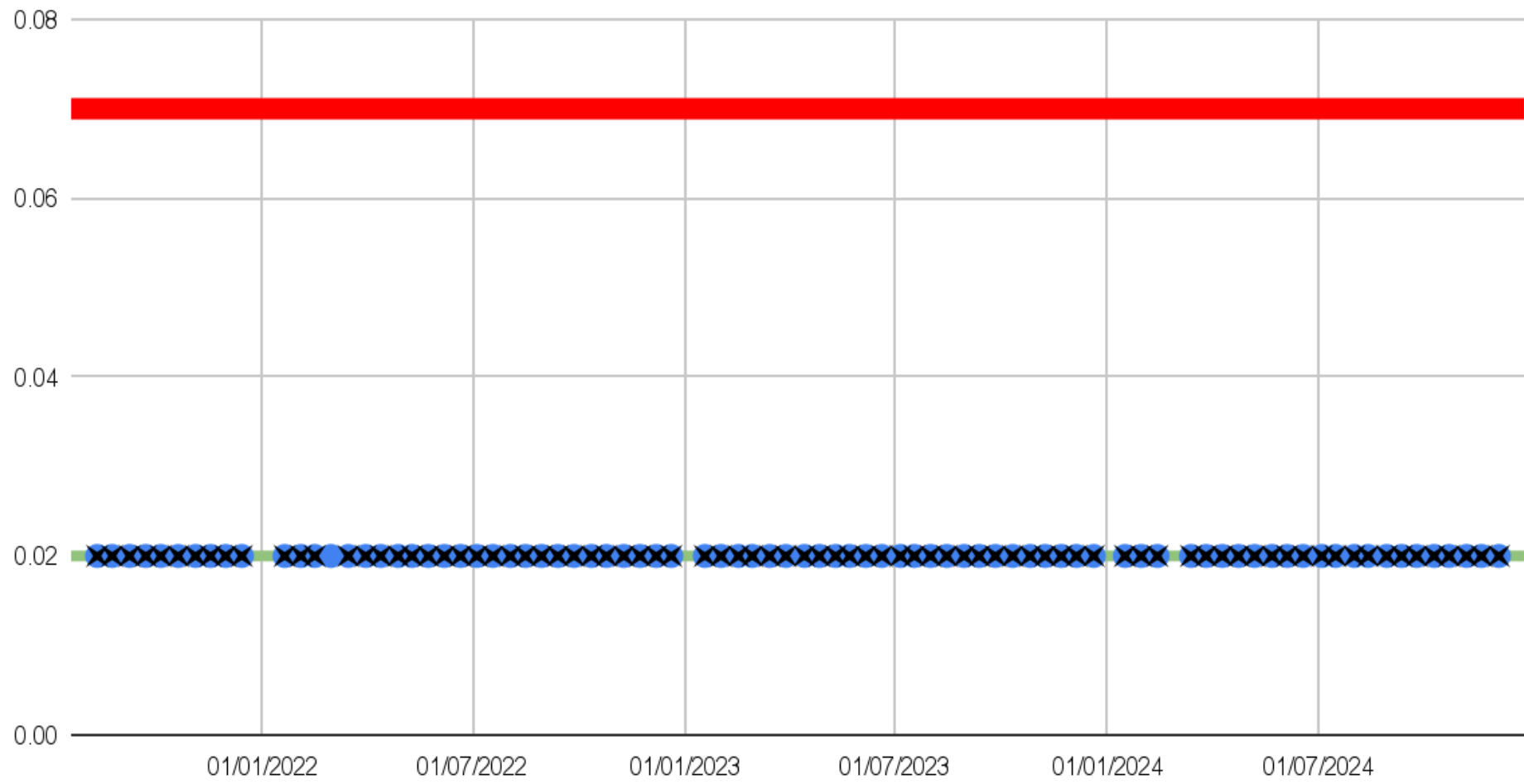
● Penshurst Treated Water Tank PFOA (µg/L) ✕ Penshurst Hydrants PFOA (µg/L) PFOA + PFOS 0.07 µg/L ■ Limit

Non Detect Results ■

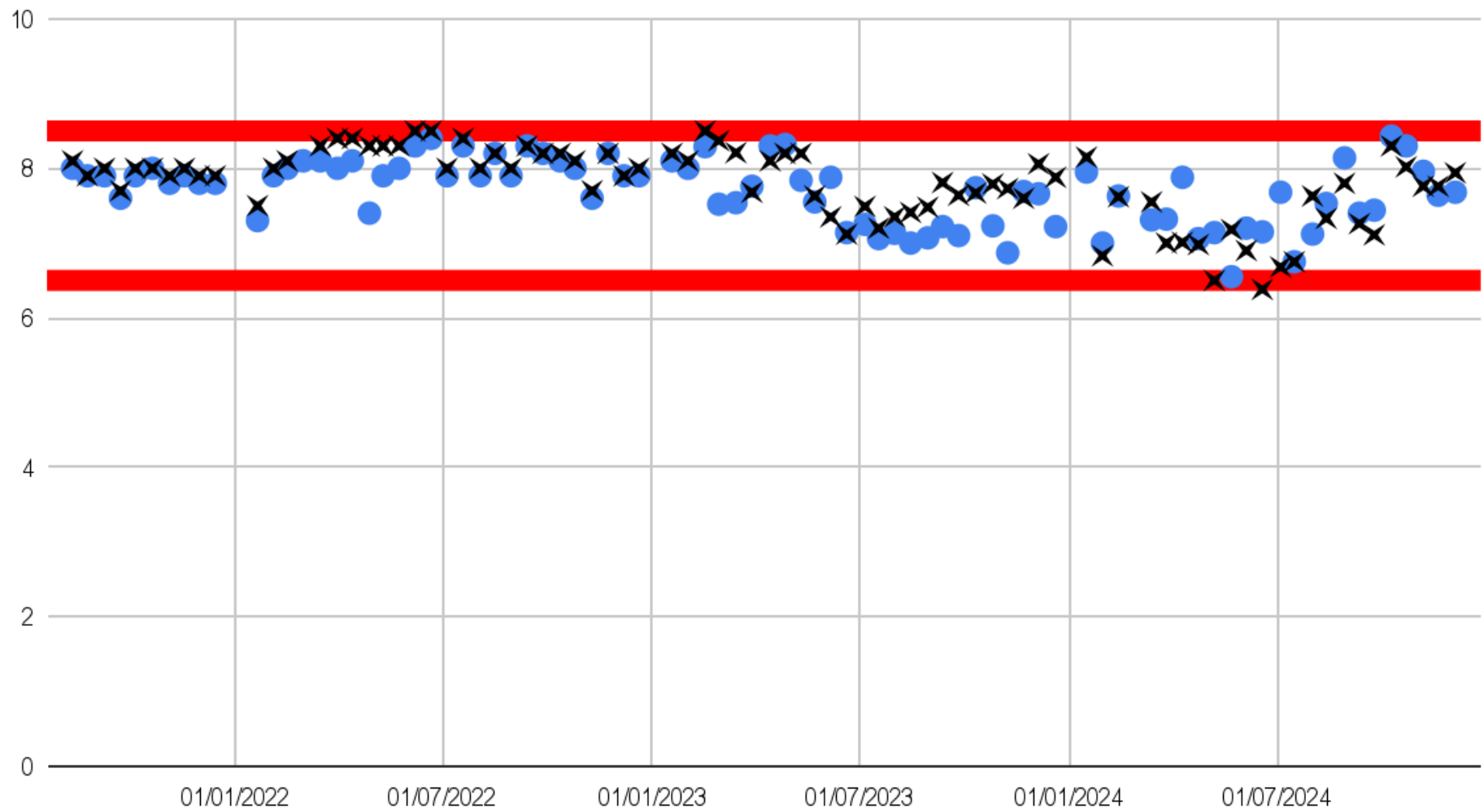


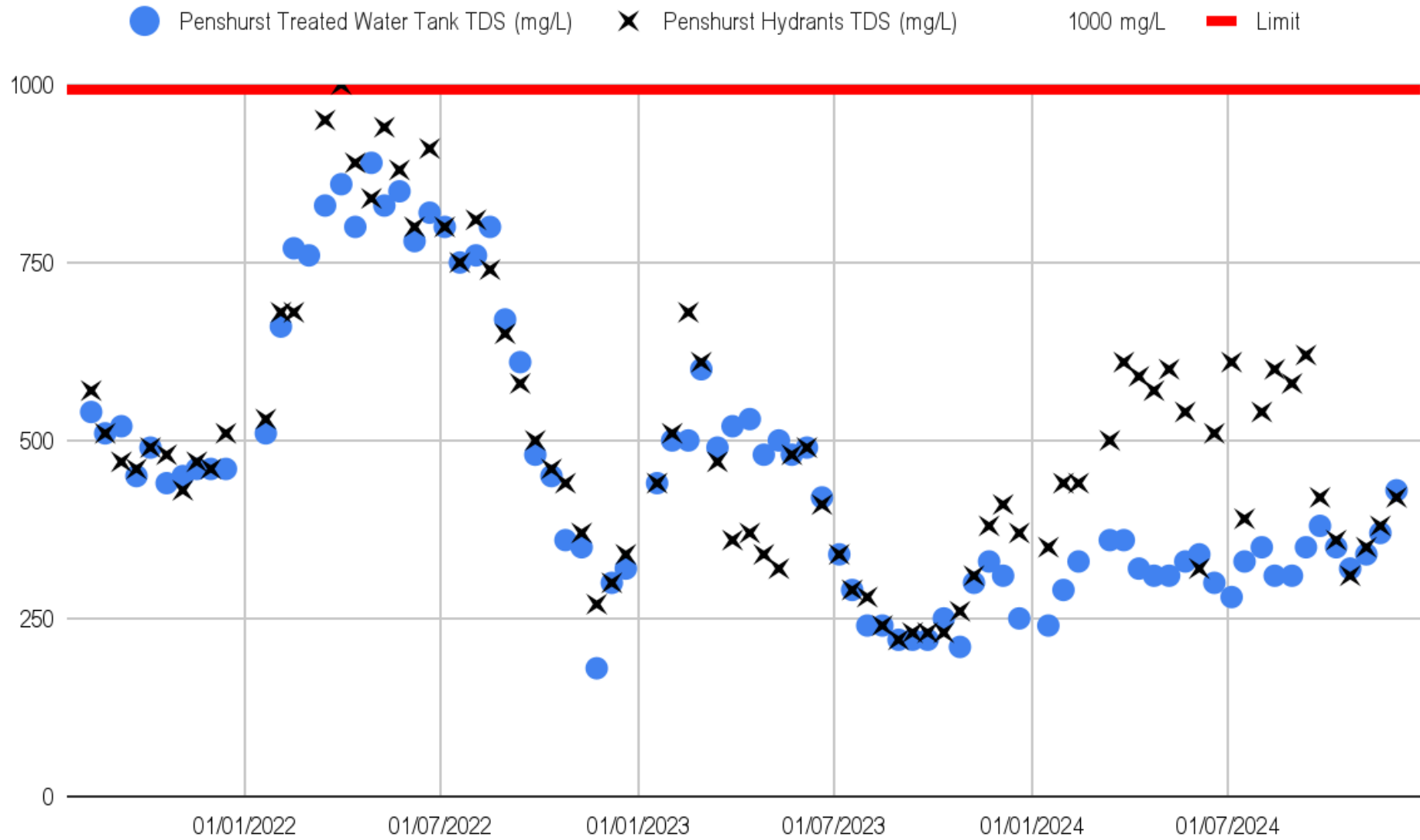


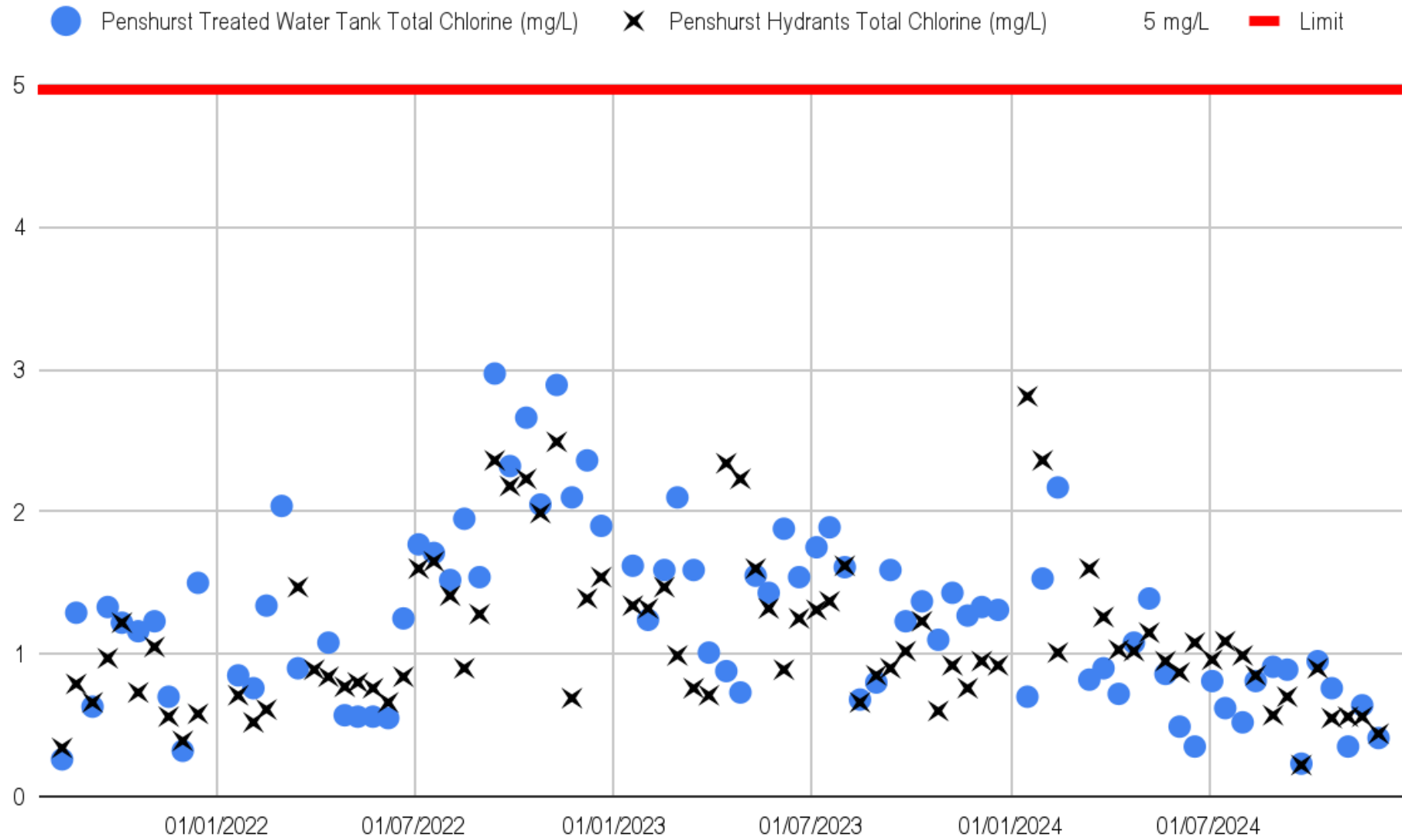
● Penshurst Treated Water Tank PFHxS (µg/L) ✕ Penshurst Hydrants PFHxS (µg/L) PFOS + PFHxS 0.07 µg/L ■ Limit
Non Detect Results ■

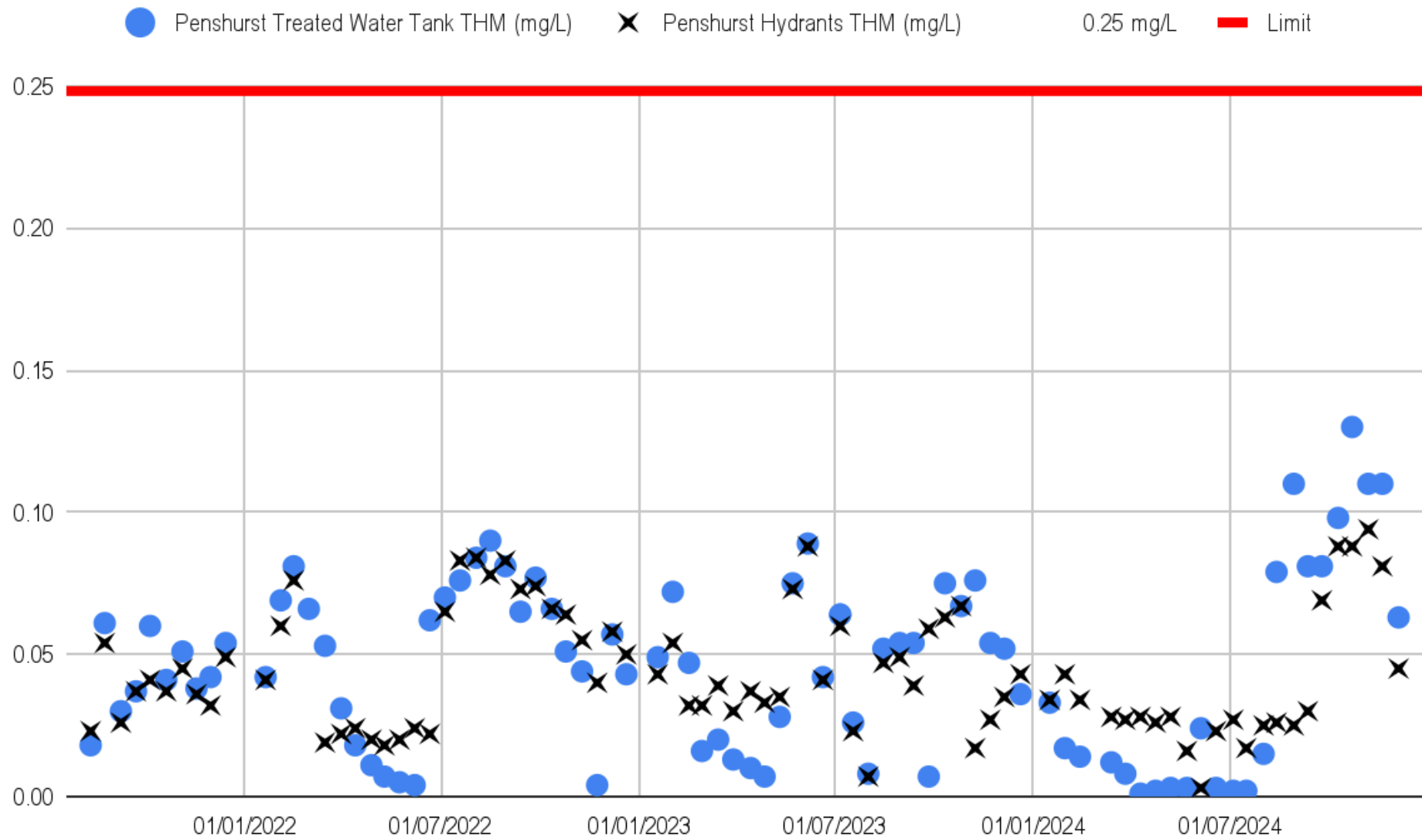


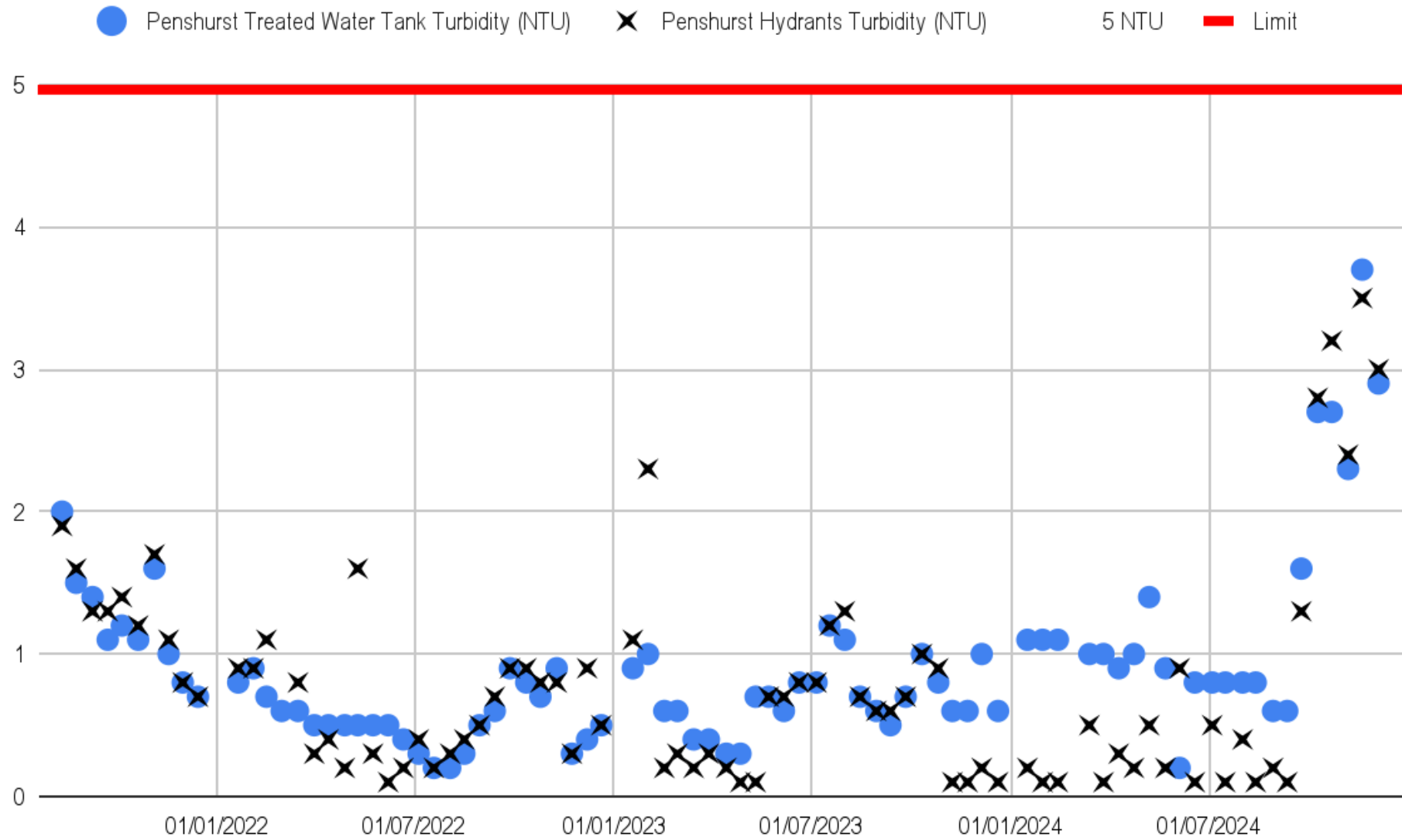
● Penshurst Treated Water Tank pH (-) ✕ Penshurst Hydrants pH (-) 6.5 Limit 8.5 Limit



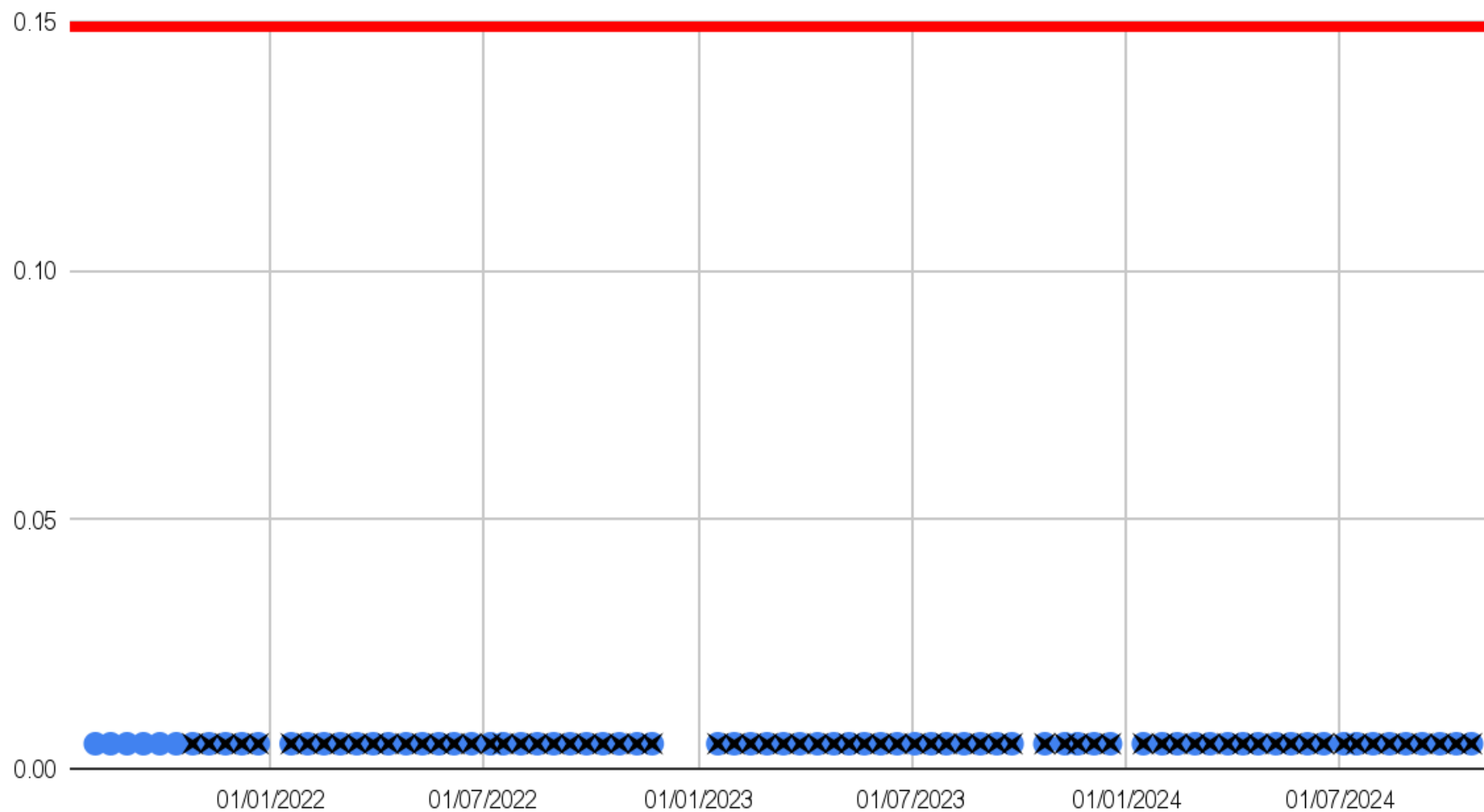


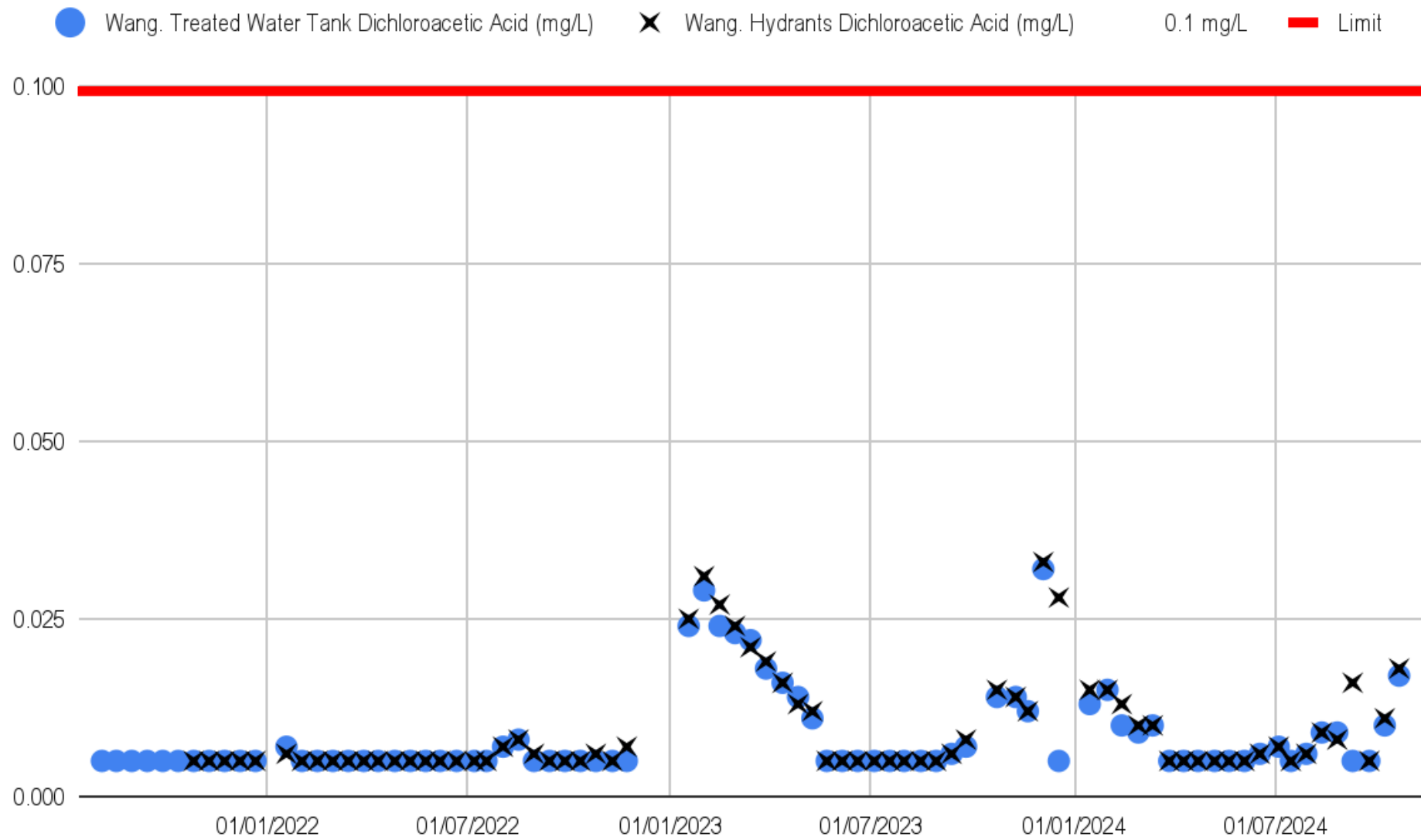


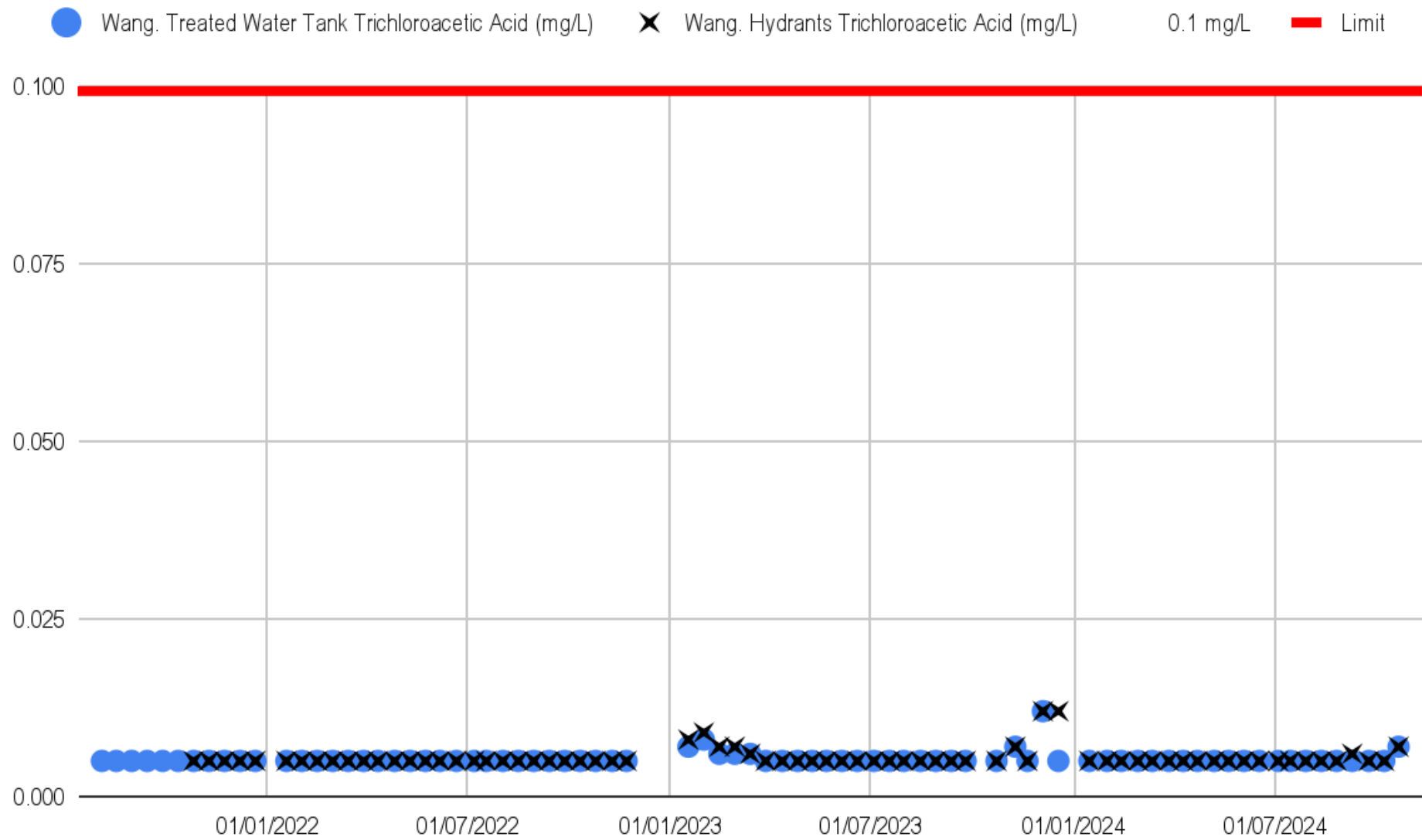


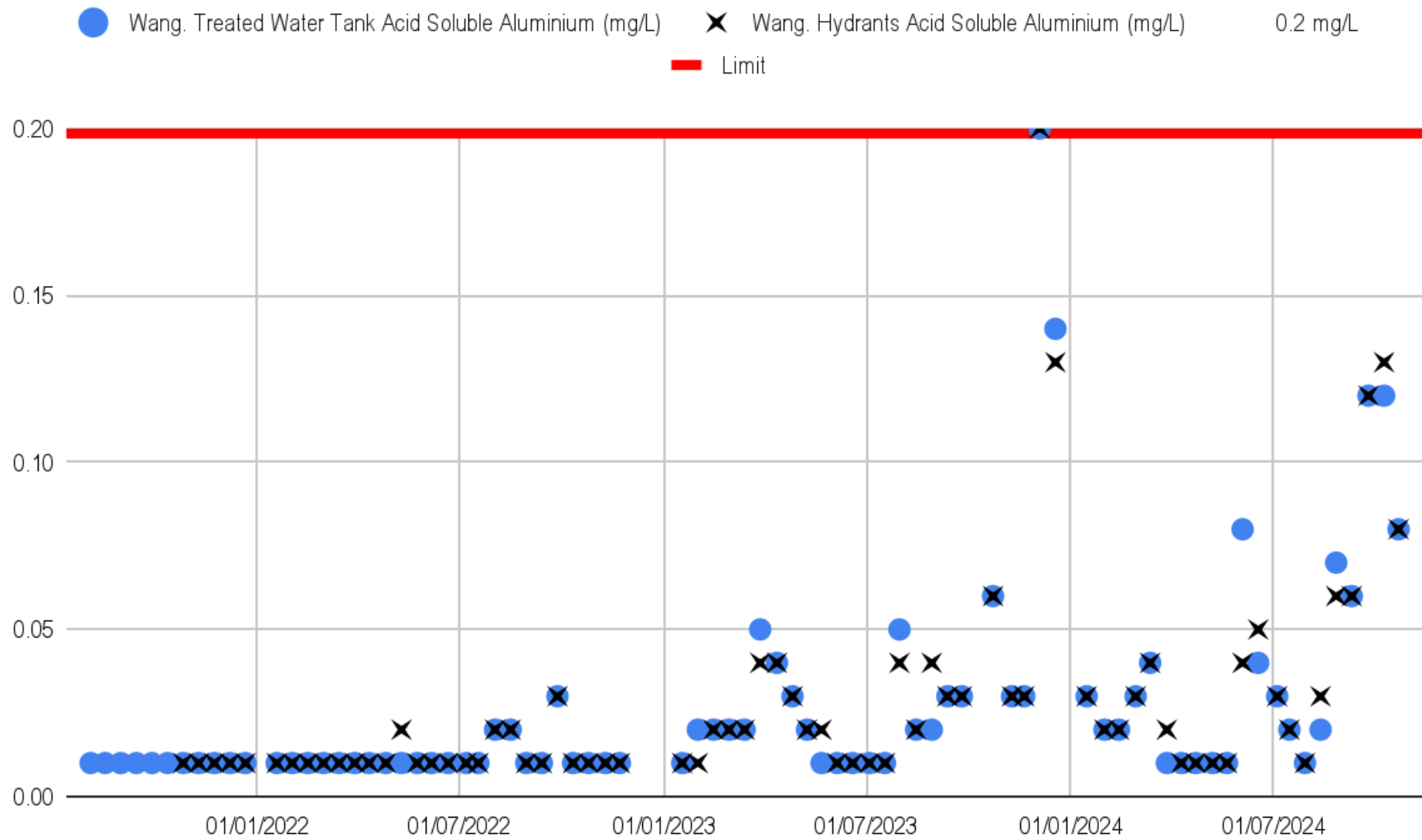


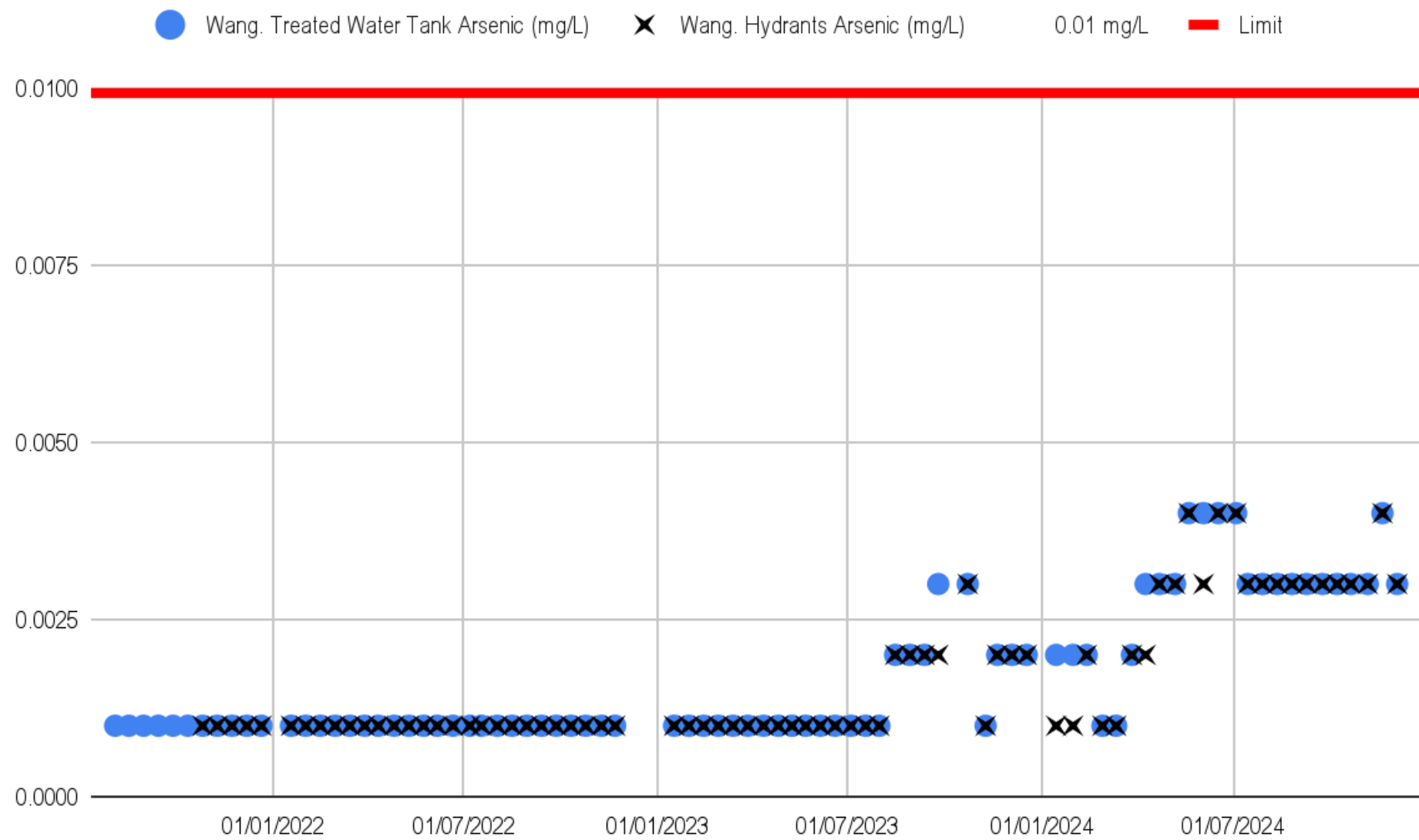
● Wang. Treated Water Tank Chloroacetic Acid (mg/L) ✕ Wang. Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L — Limit

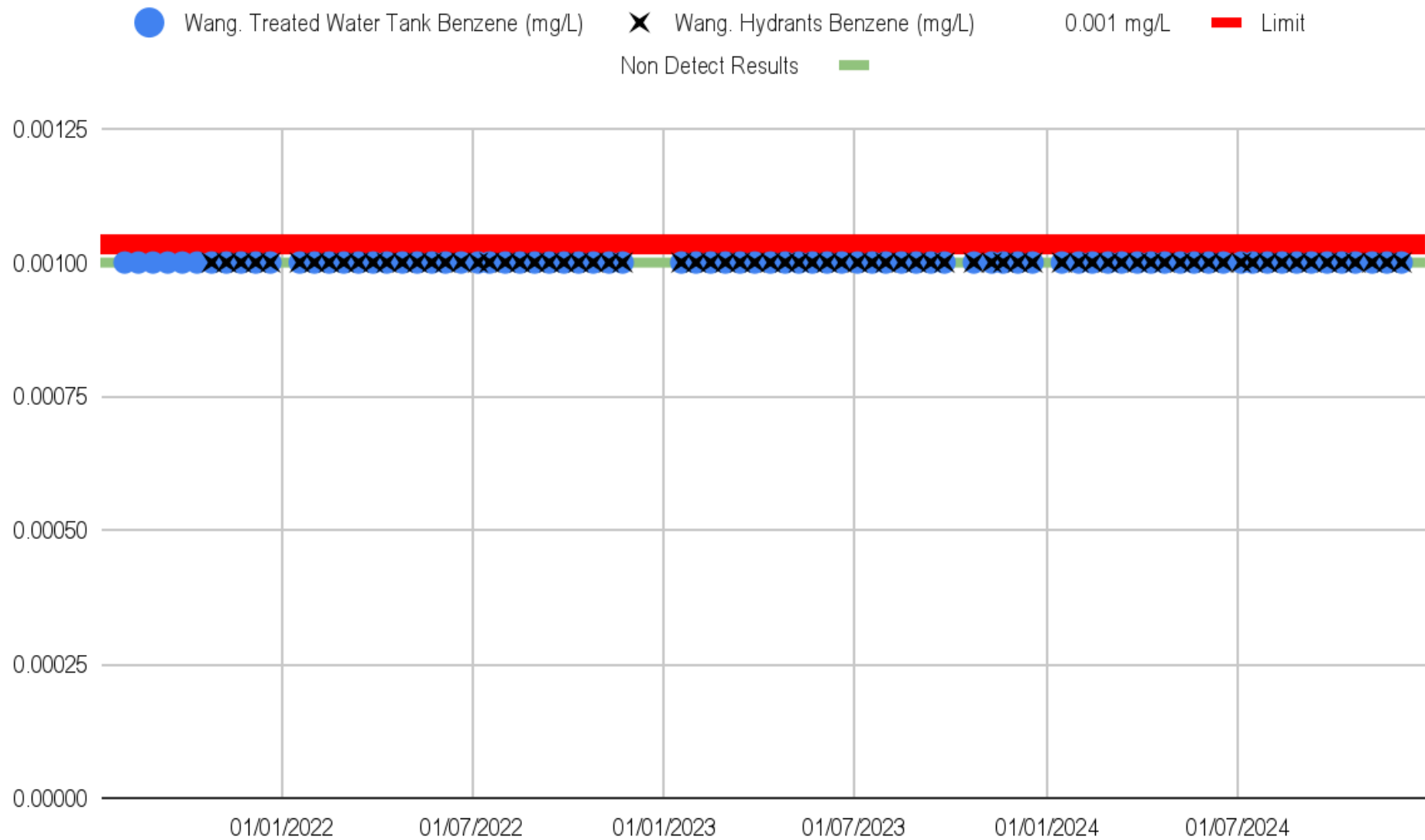


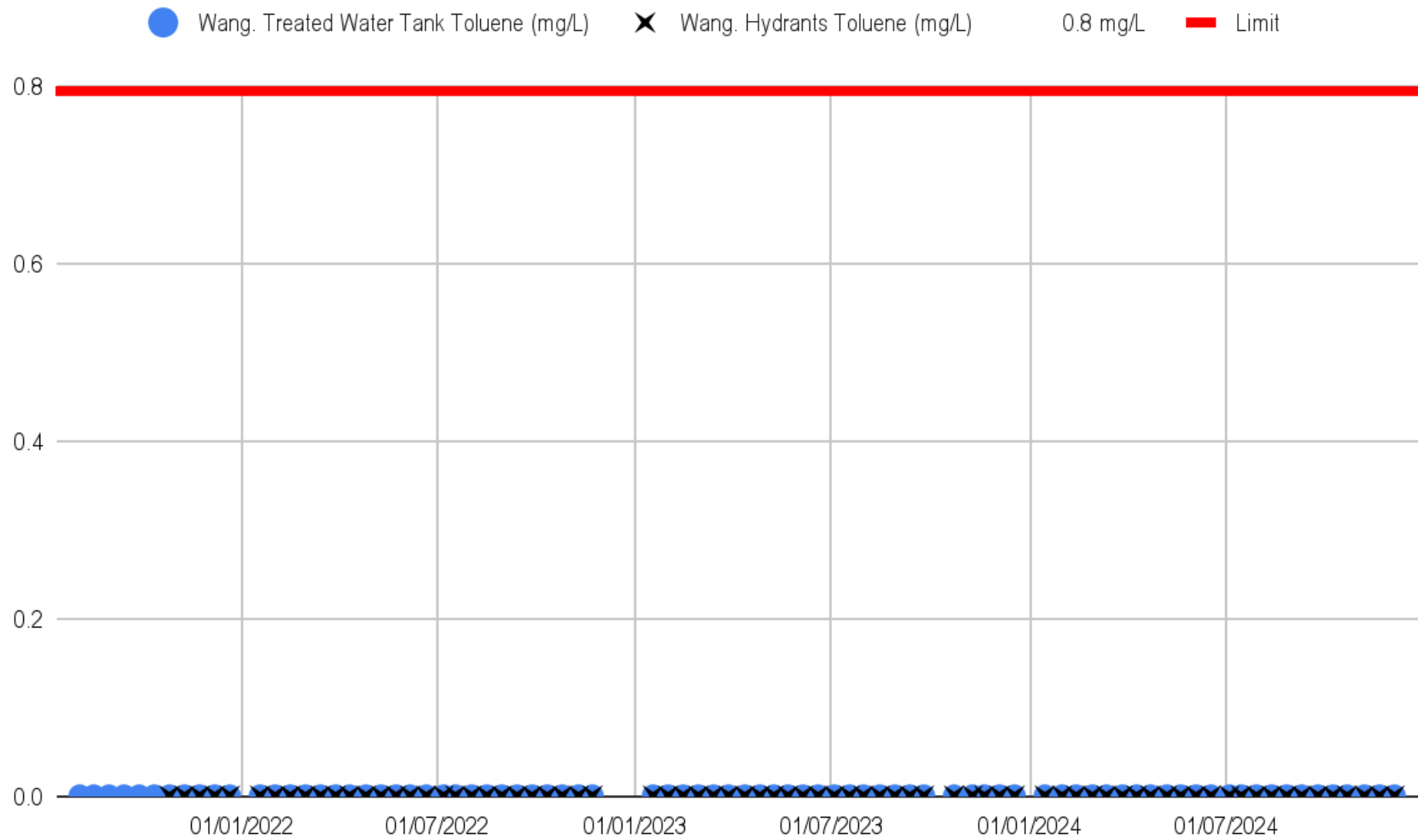


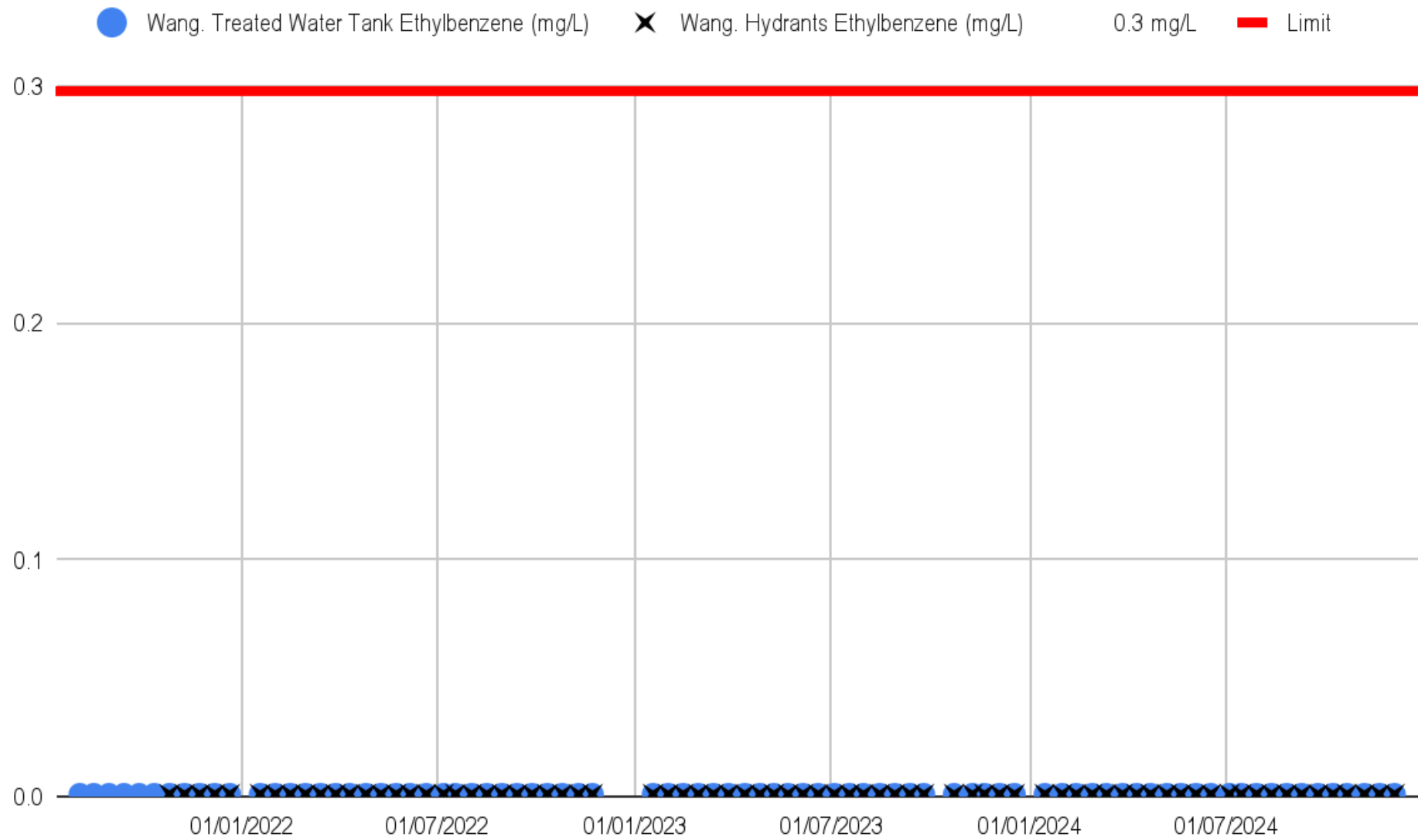


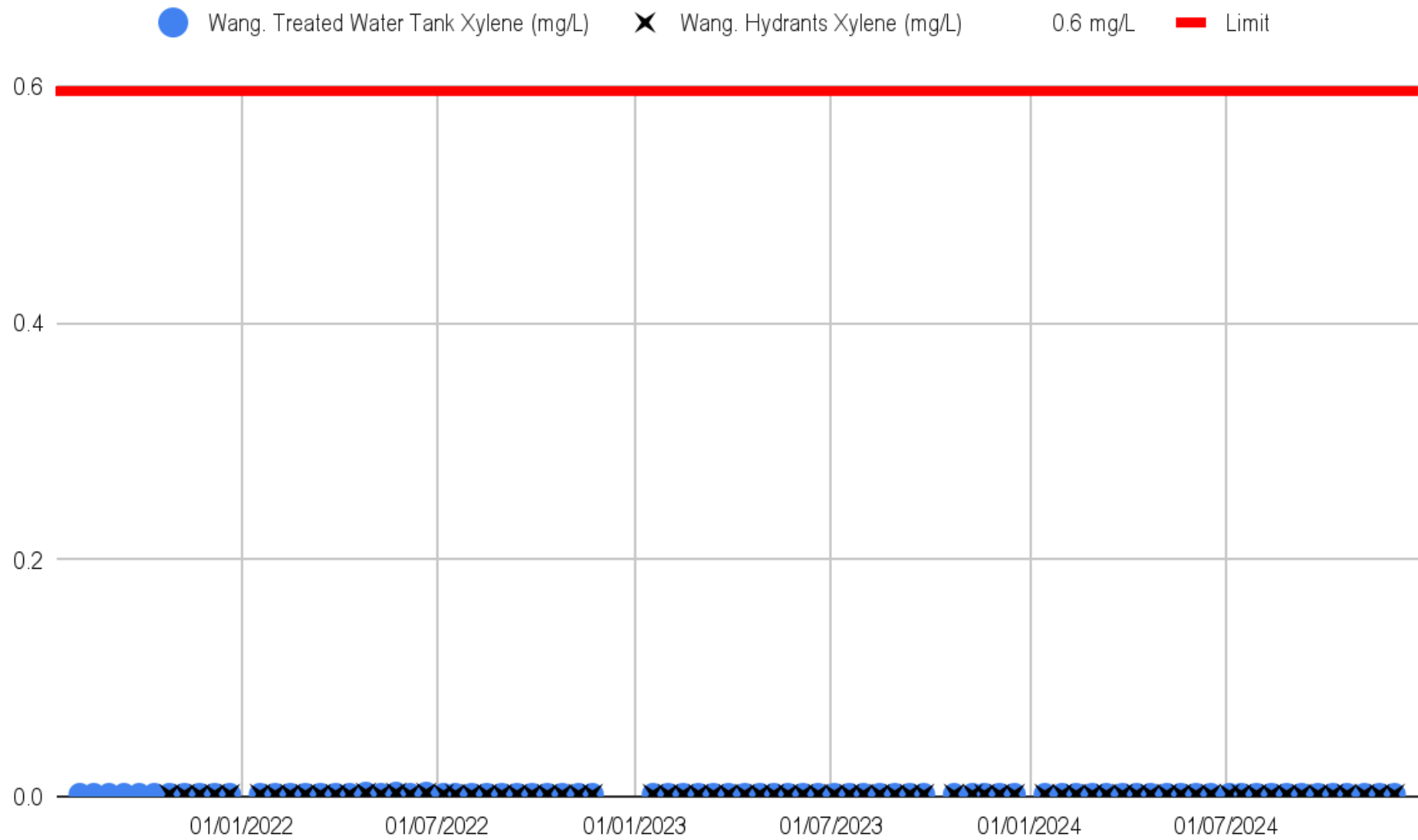




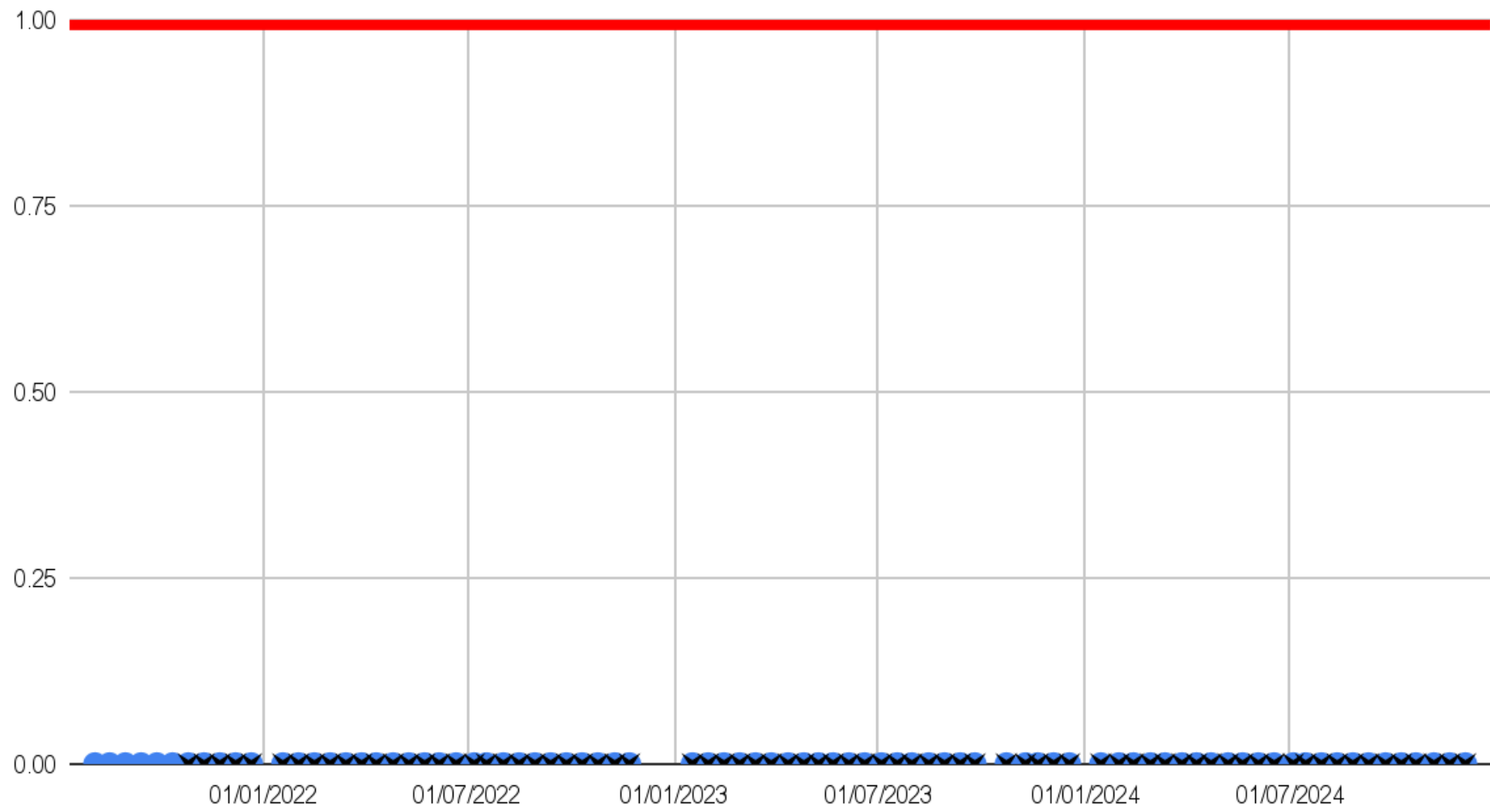




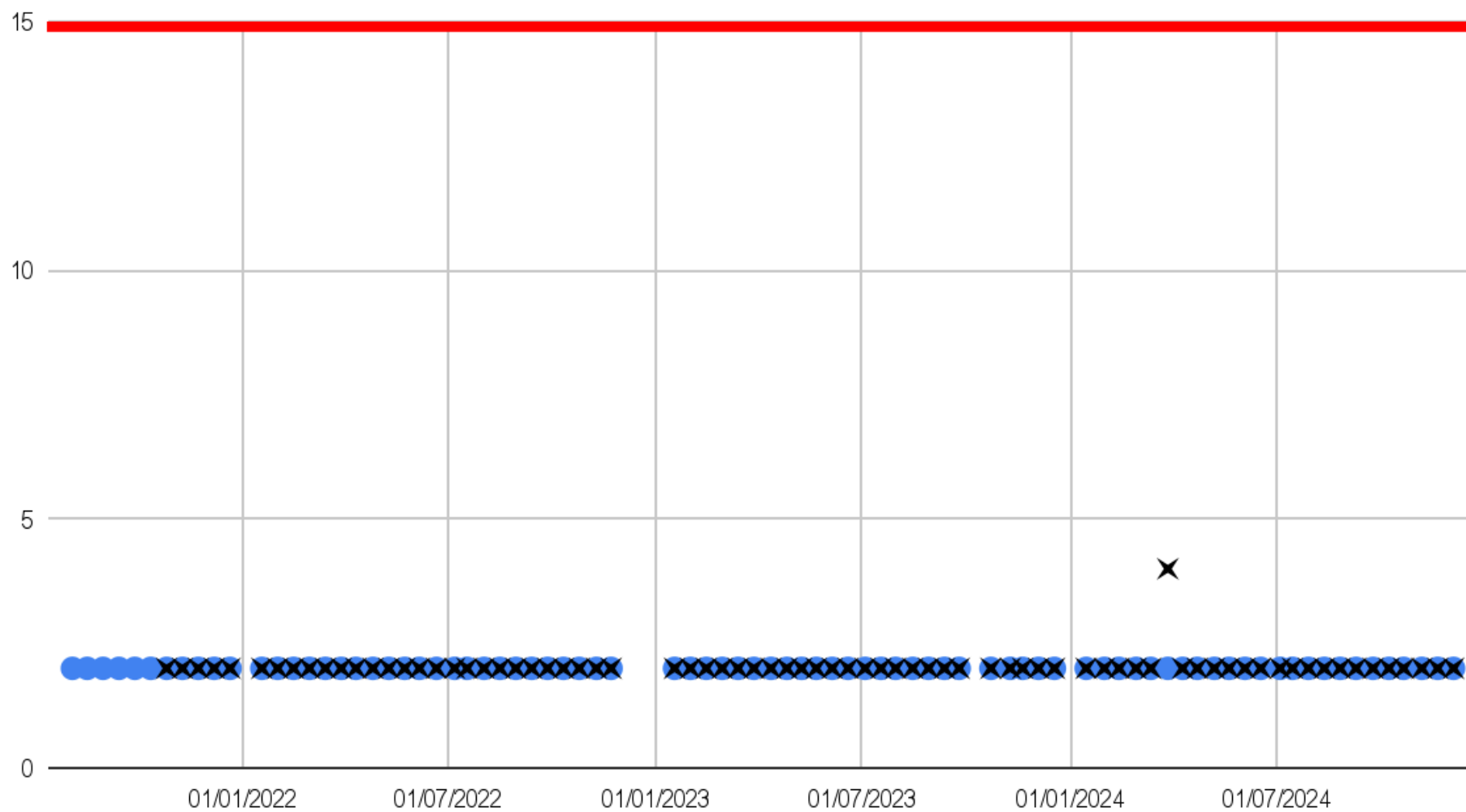


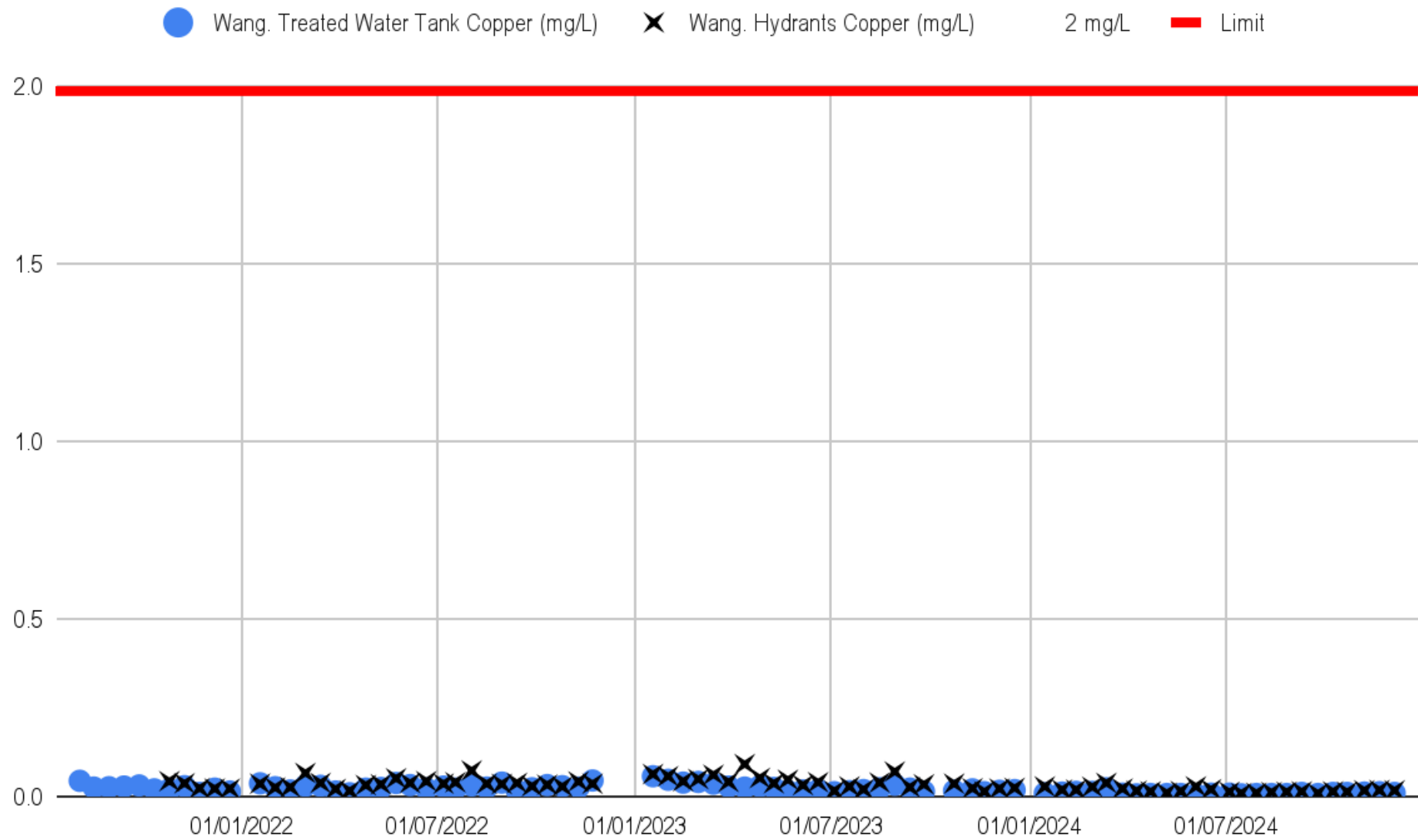


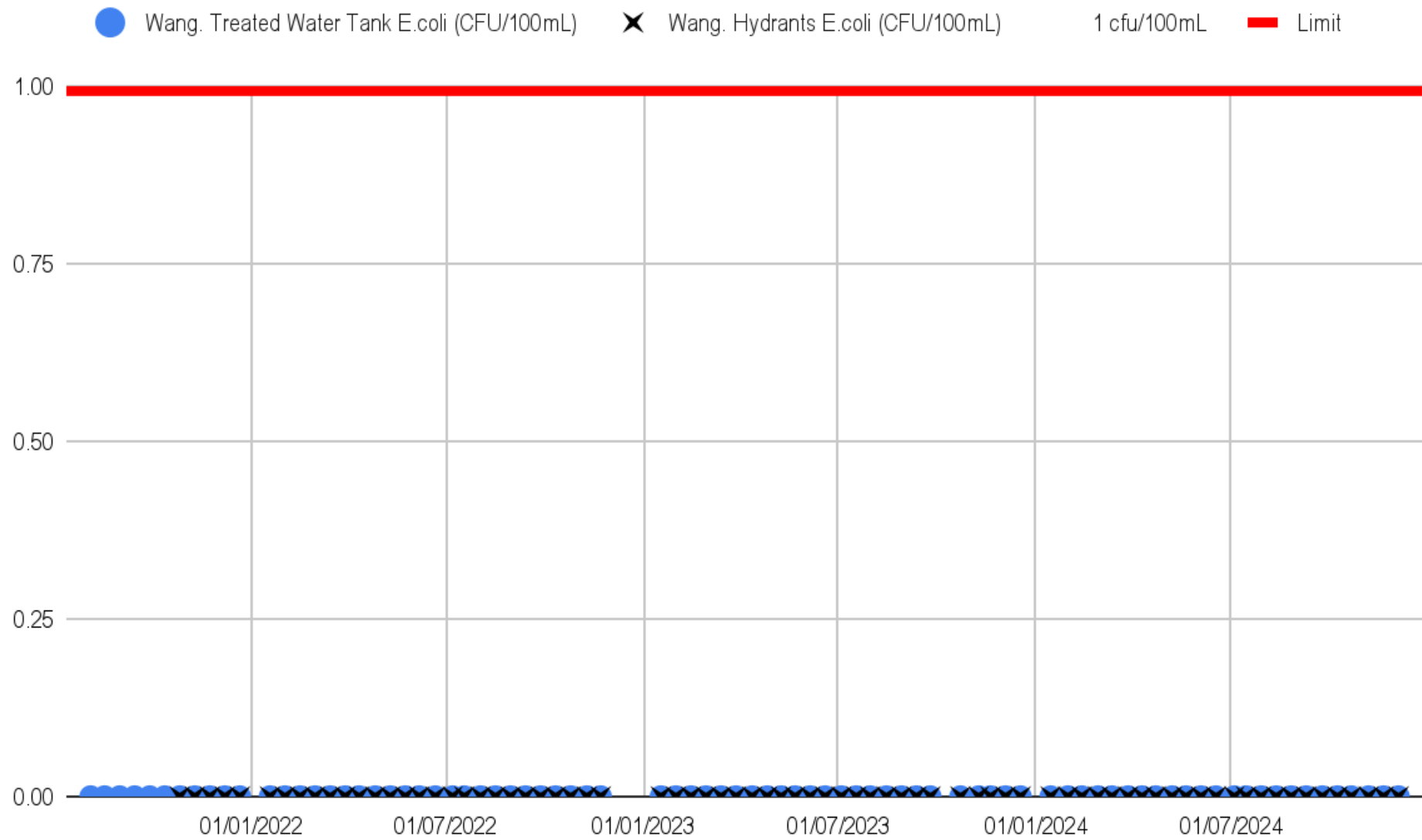
● Wang. Treated Water Tank Coliforms (CFU/100mL) ✕ Wang. Hydrants Coliforms (CFU/100mL) 1 cfu/100mL — Limit

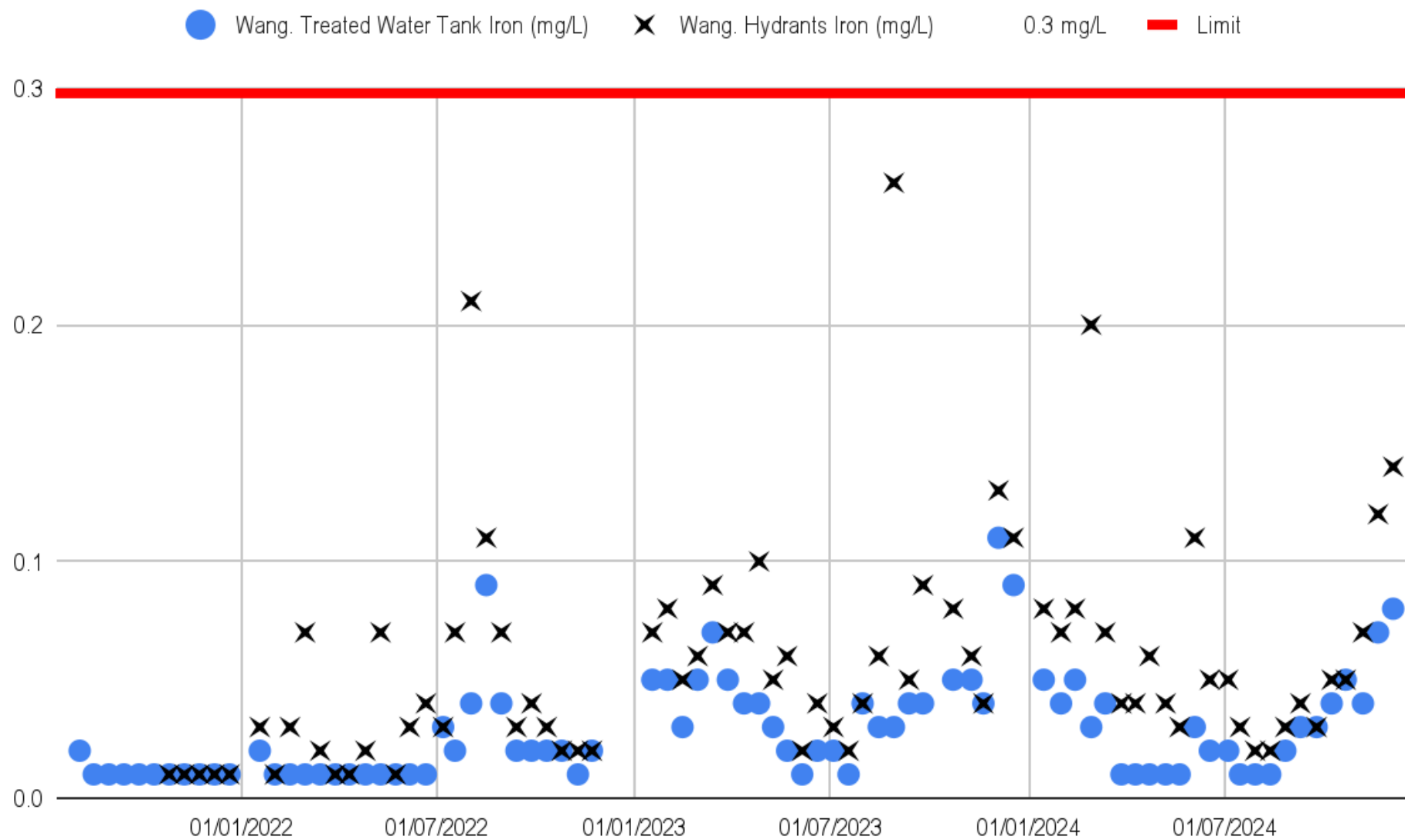


● Wang. Treated Water Tank Colour (Pt/Co) ✕ Wang. Hydrants Colour (Pt/Co) 15 Pt/Co — Limit

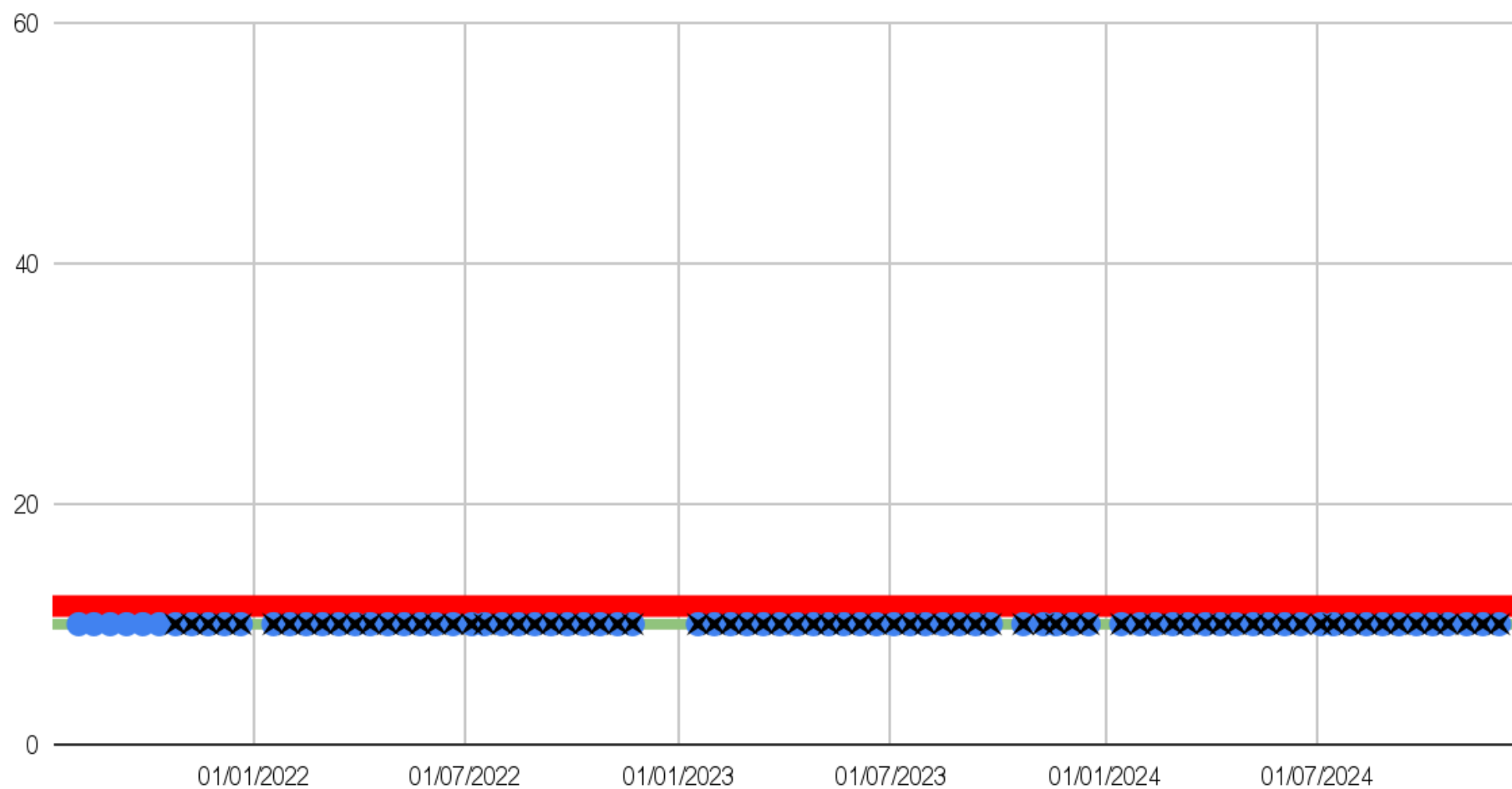


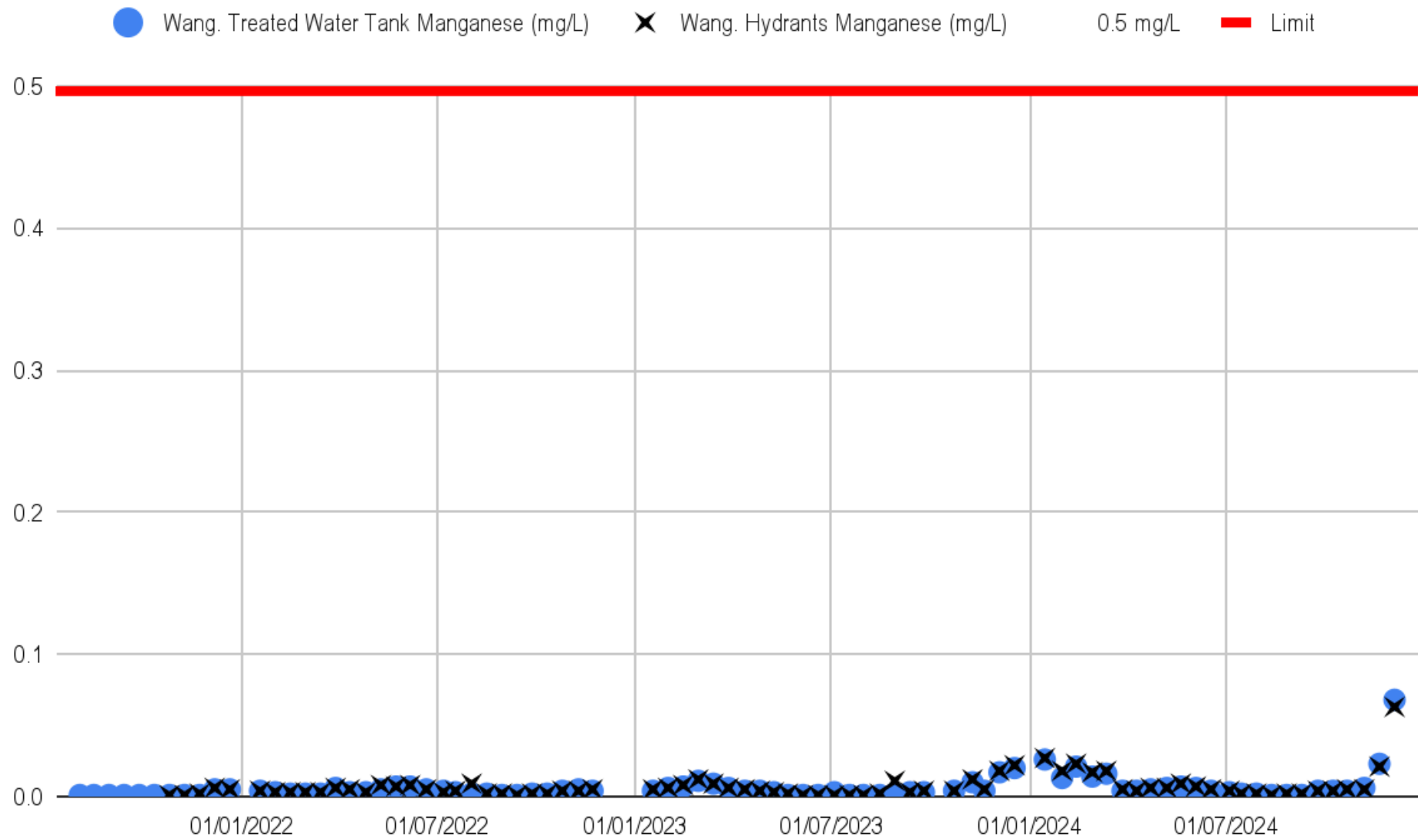


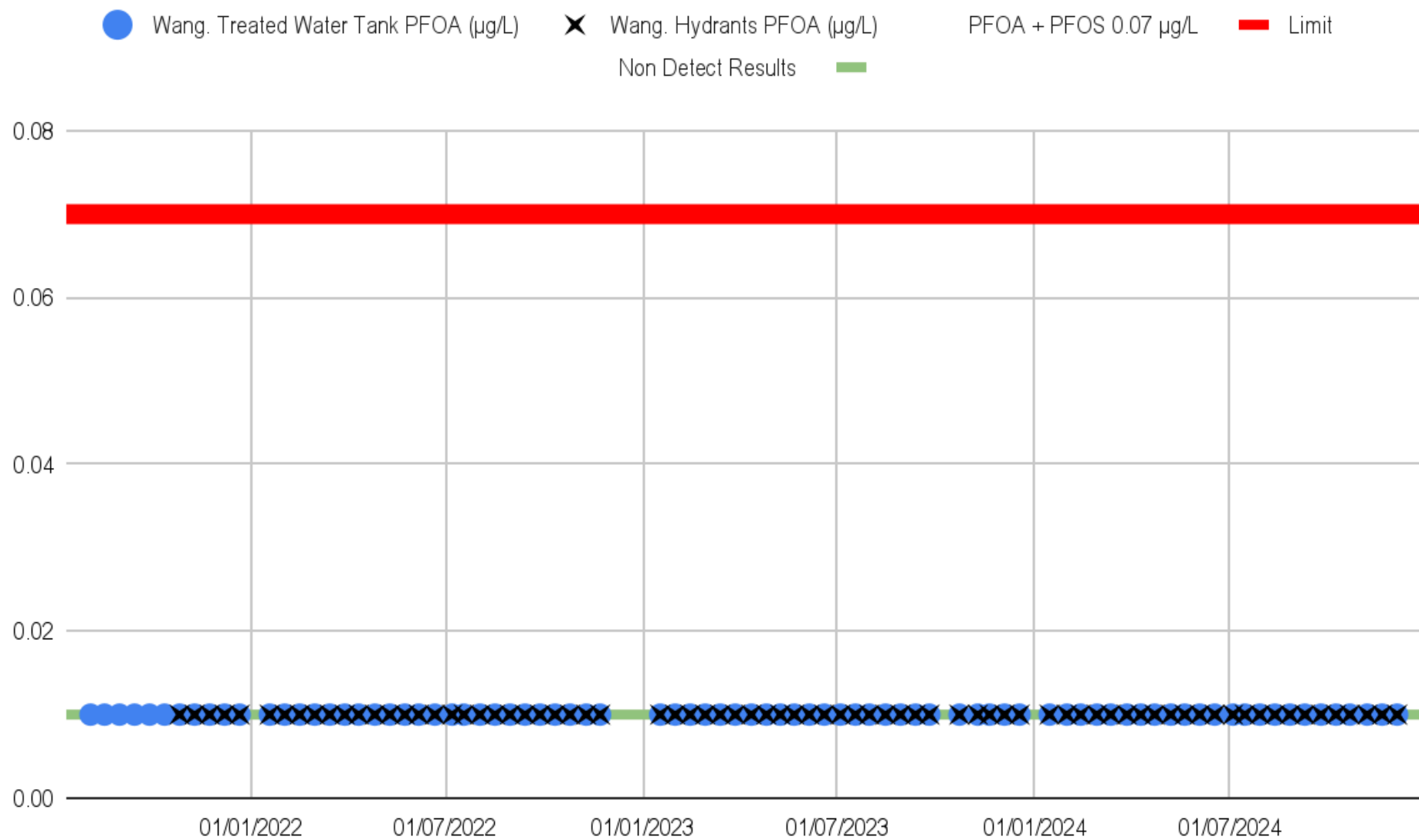


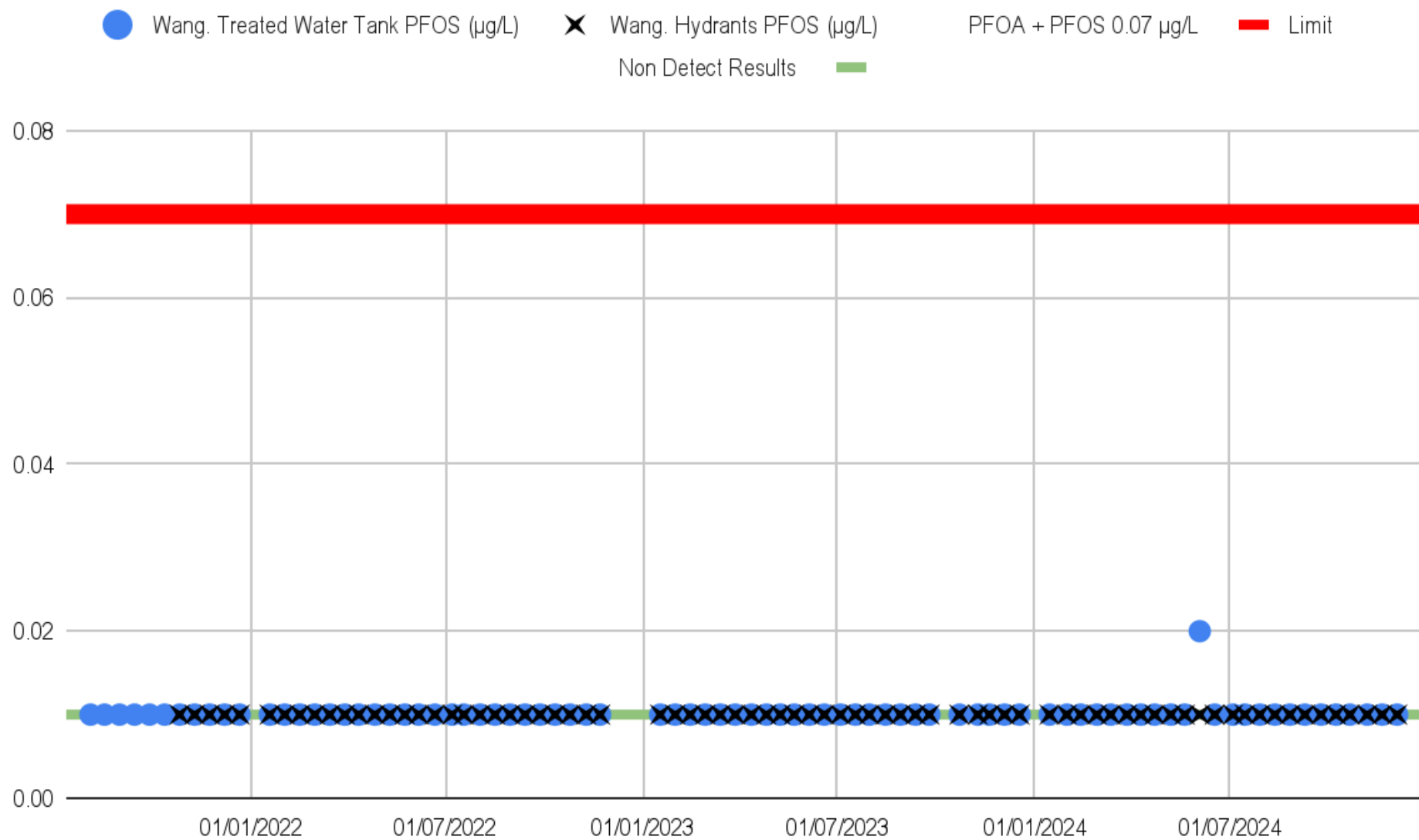


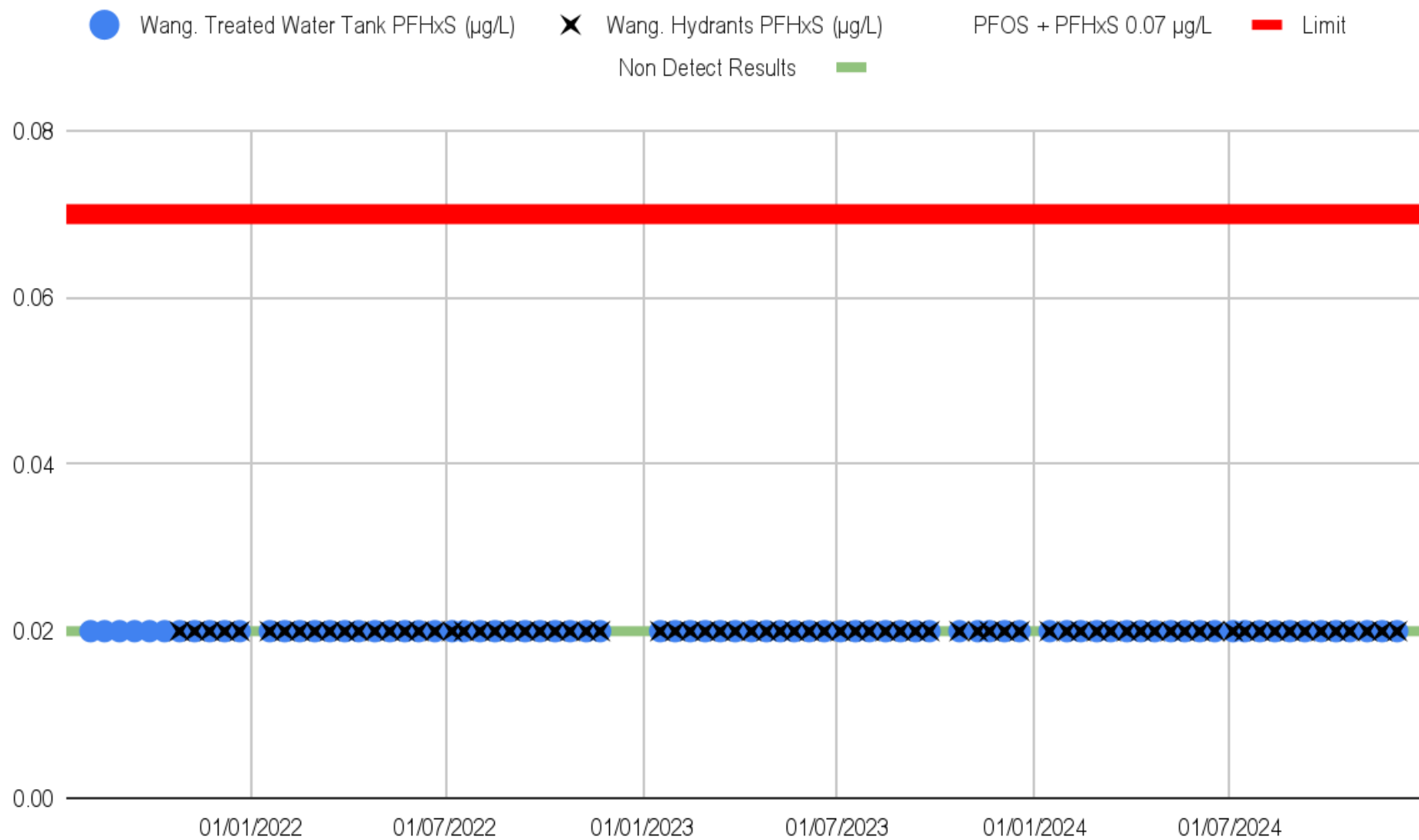
● Wang. Treated Water Tank Total Legionella (CFU/mL) ✕ Wang. Hydrants Total Legionella (CFU/mL) 10 cfu/mL ■ Limit
Non Detect Results ■

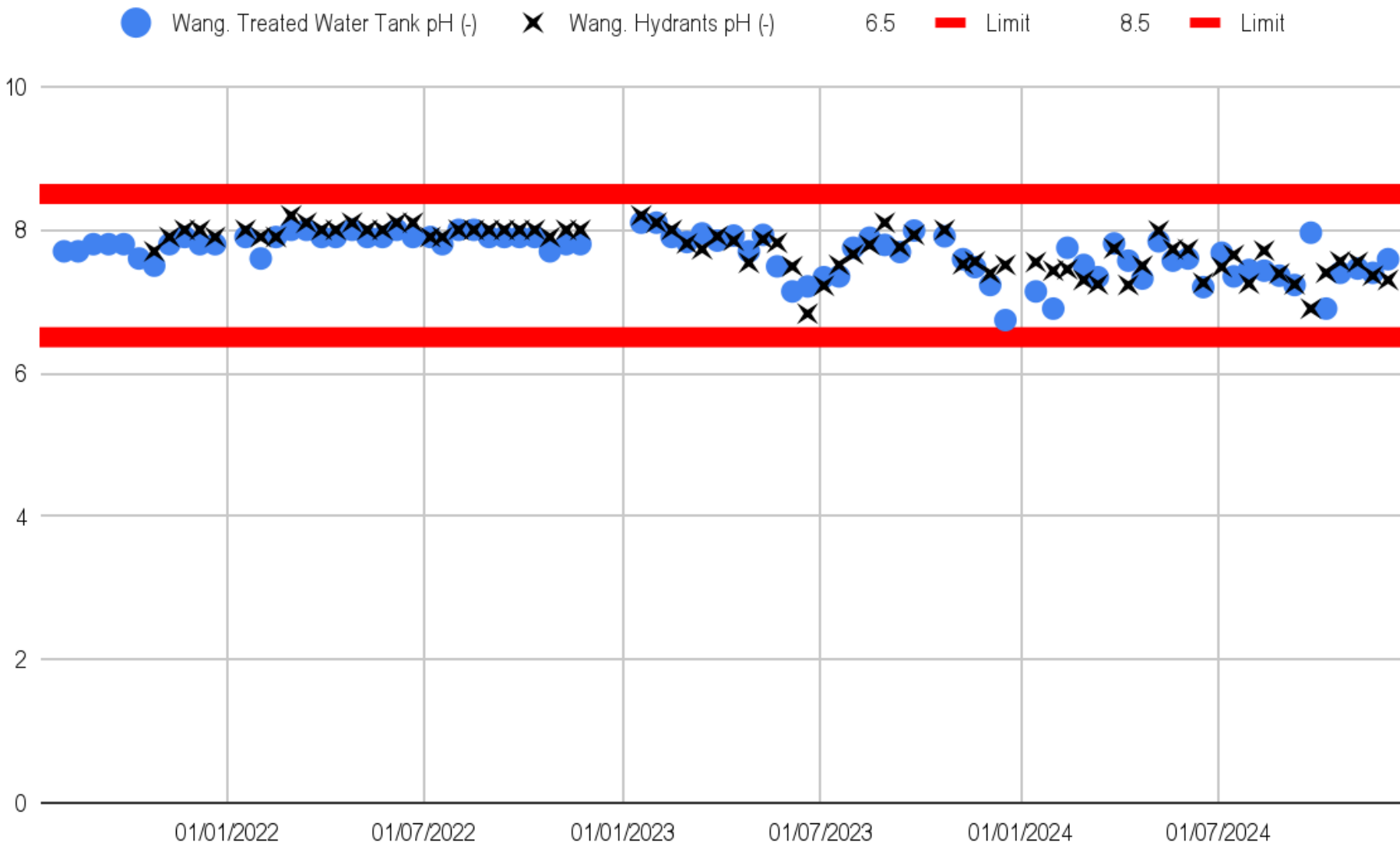


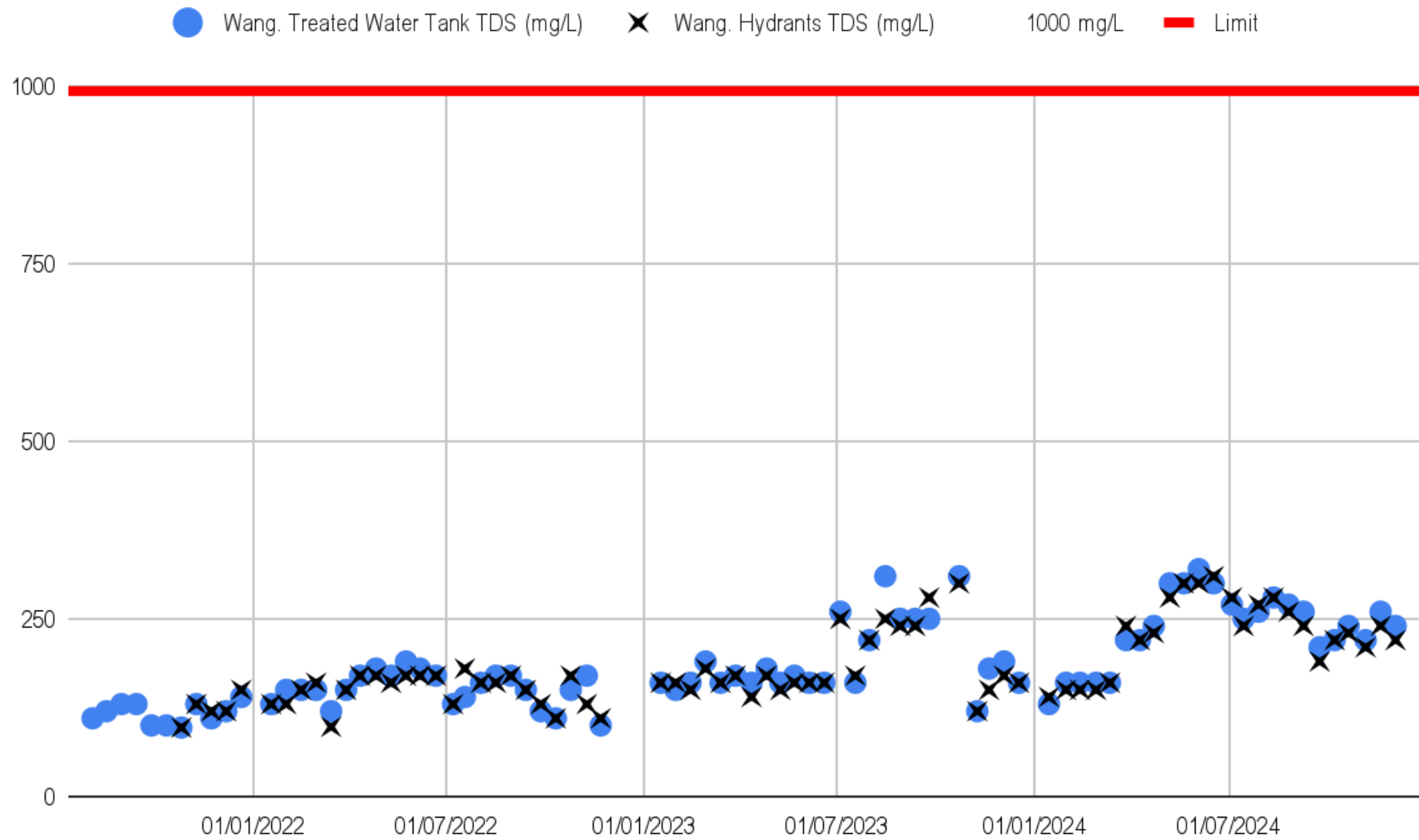


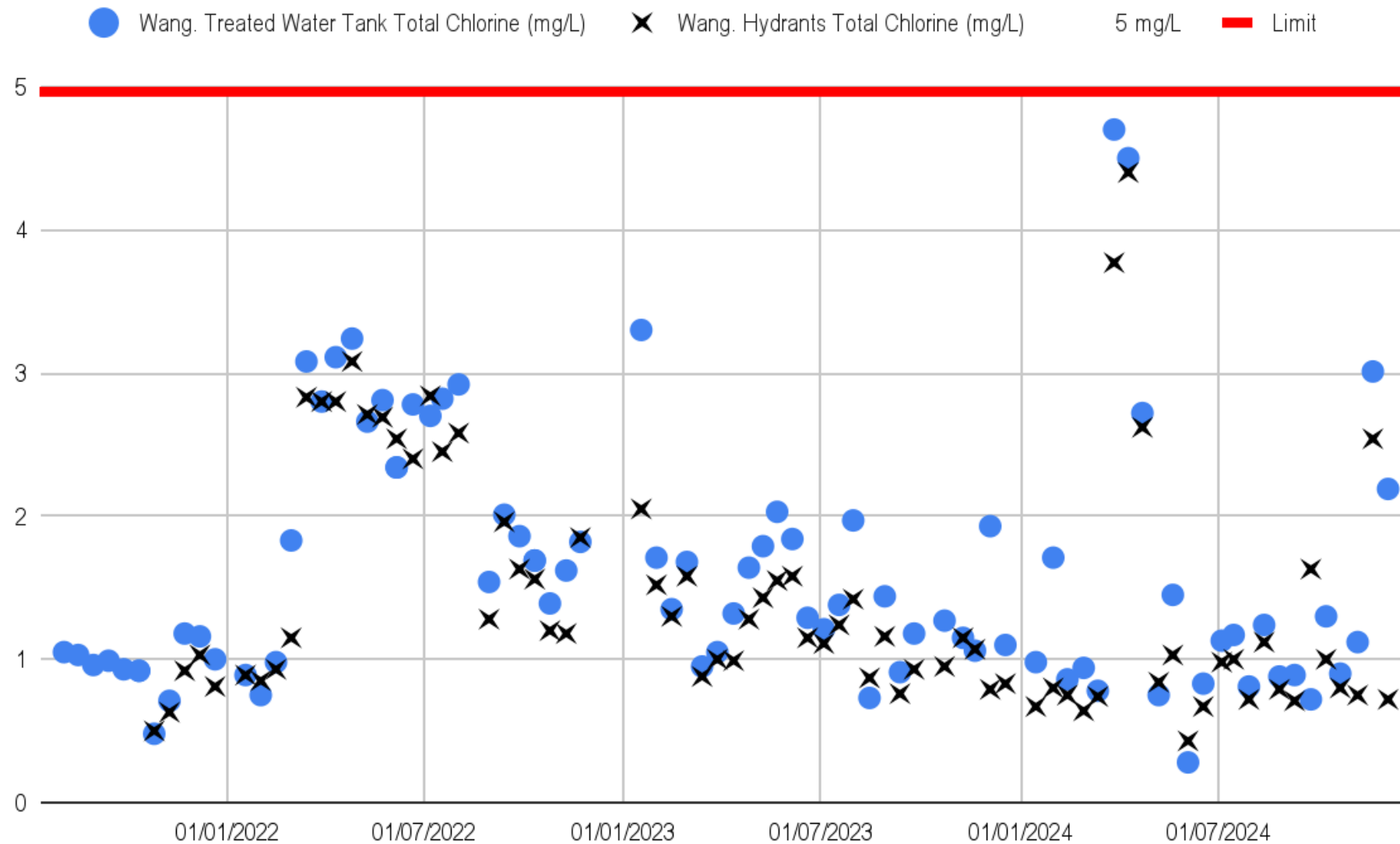


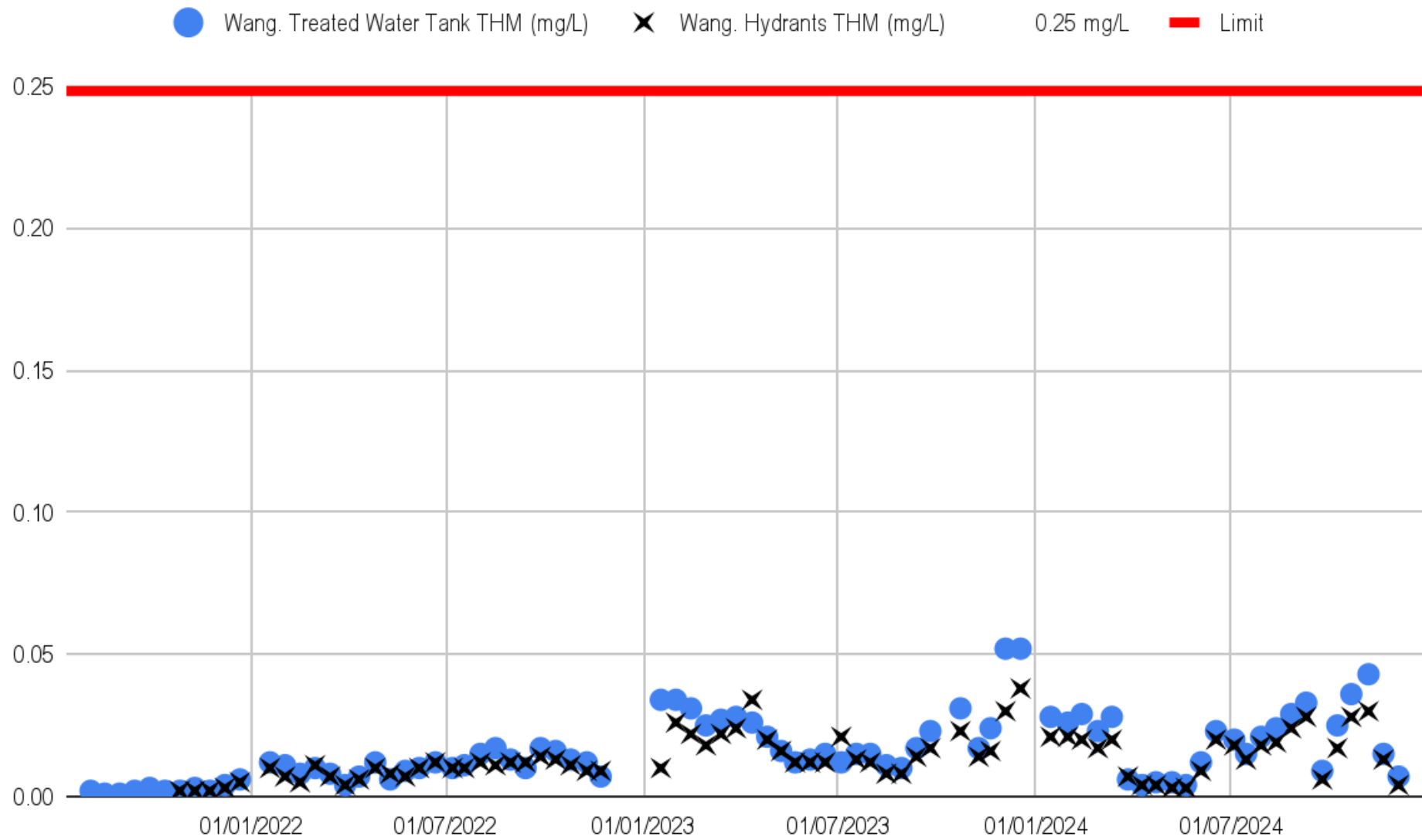


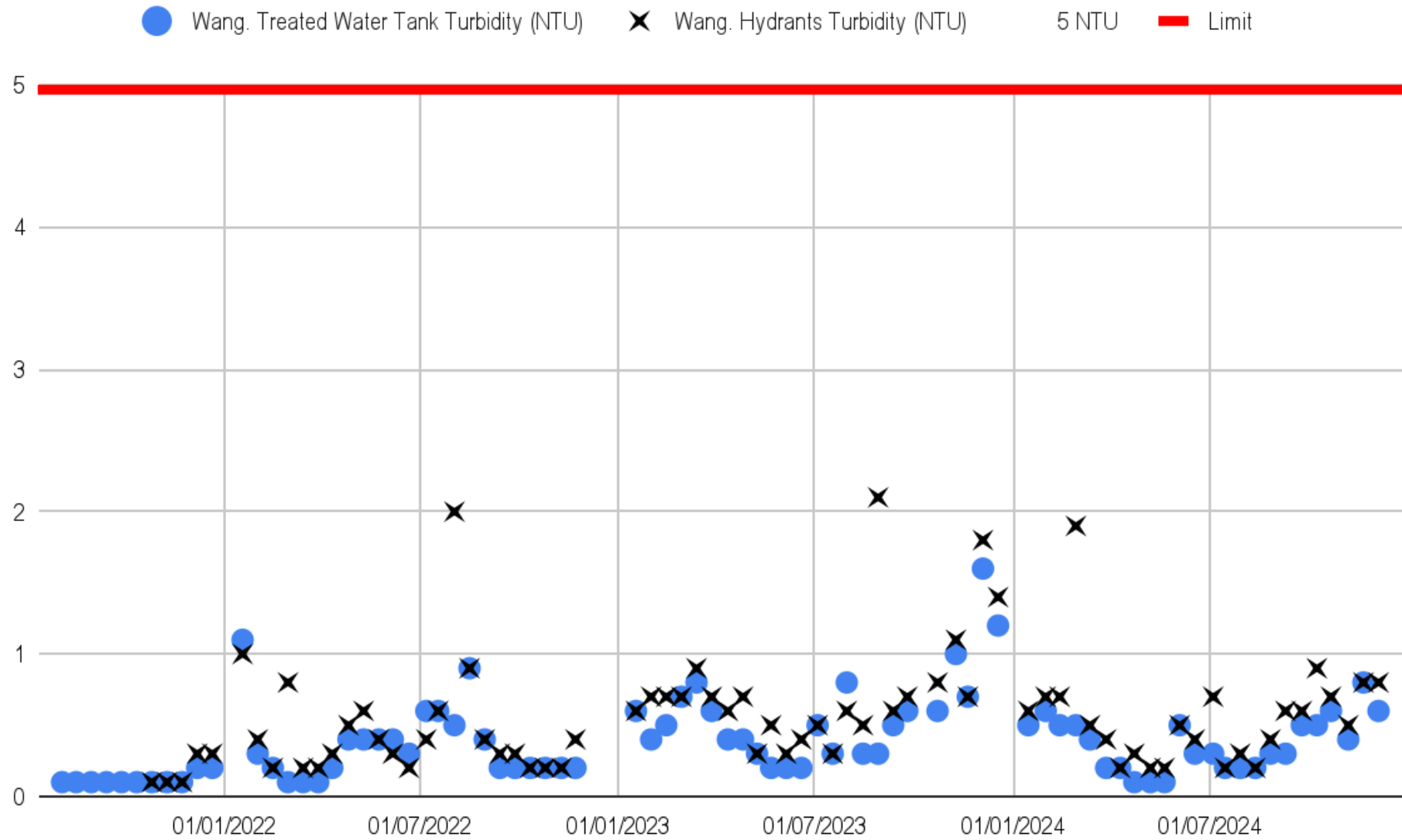




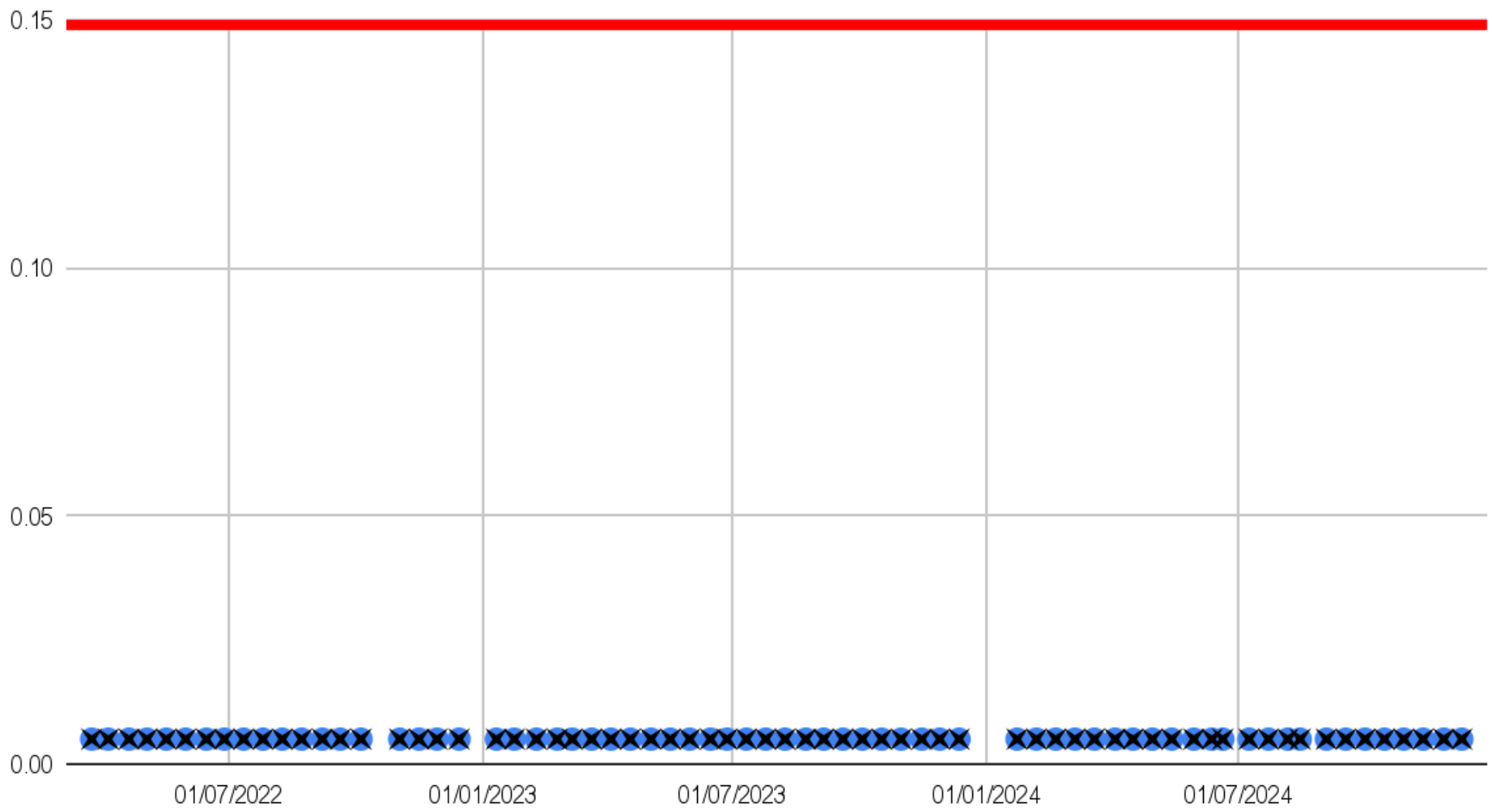


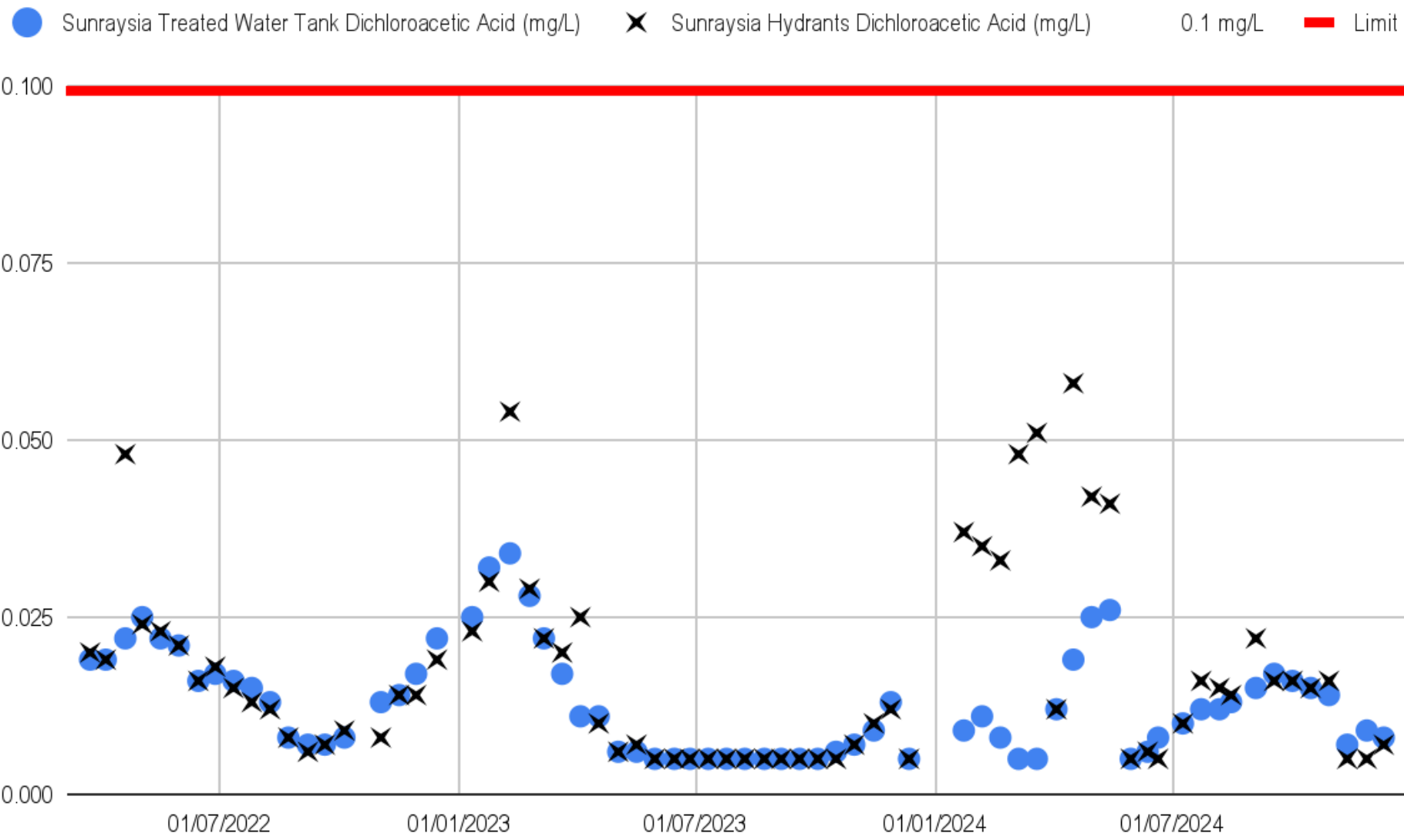


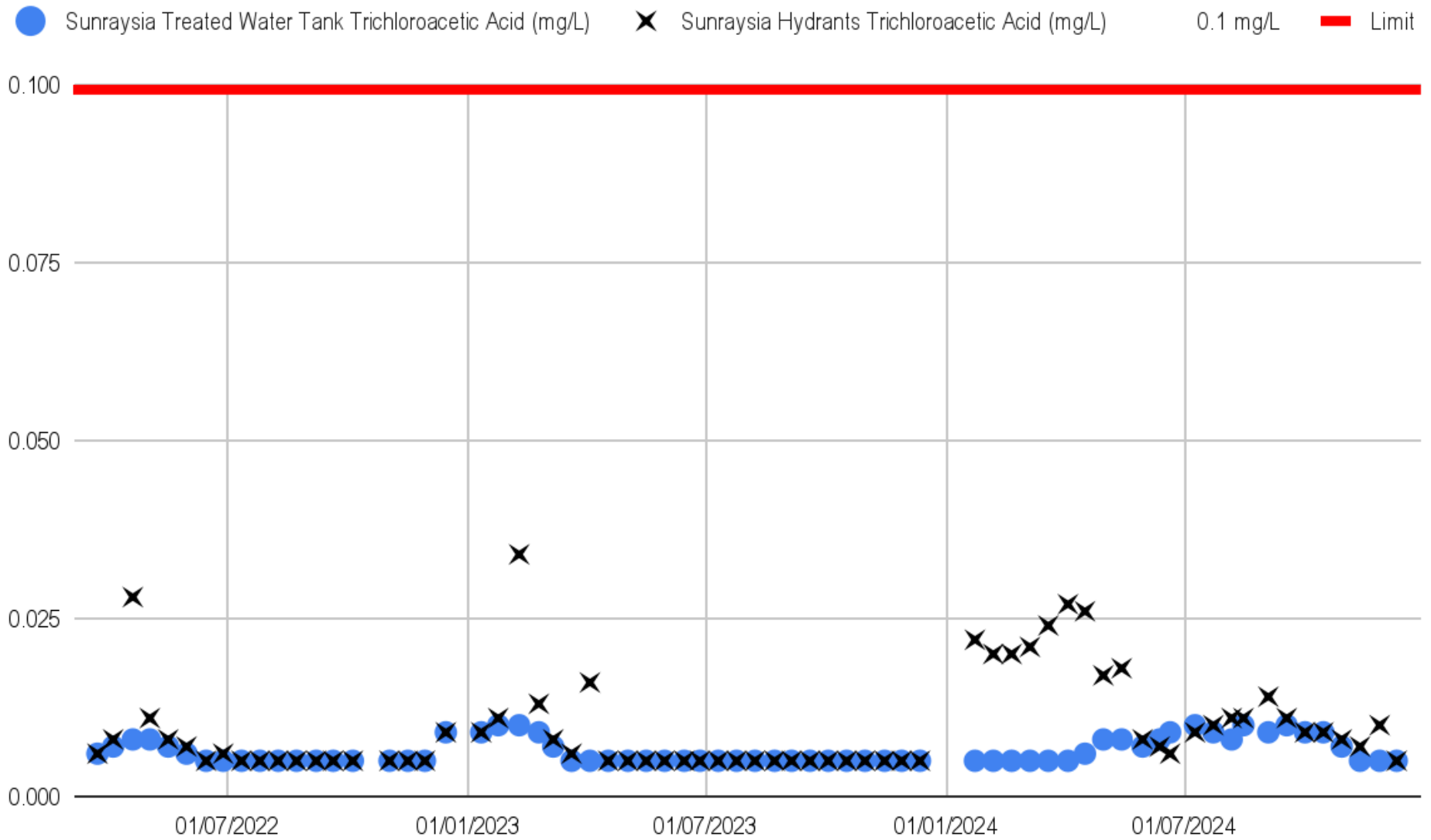


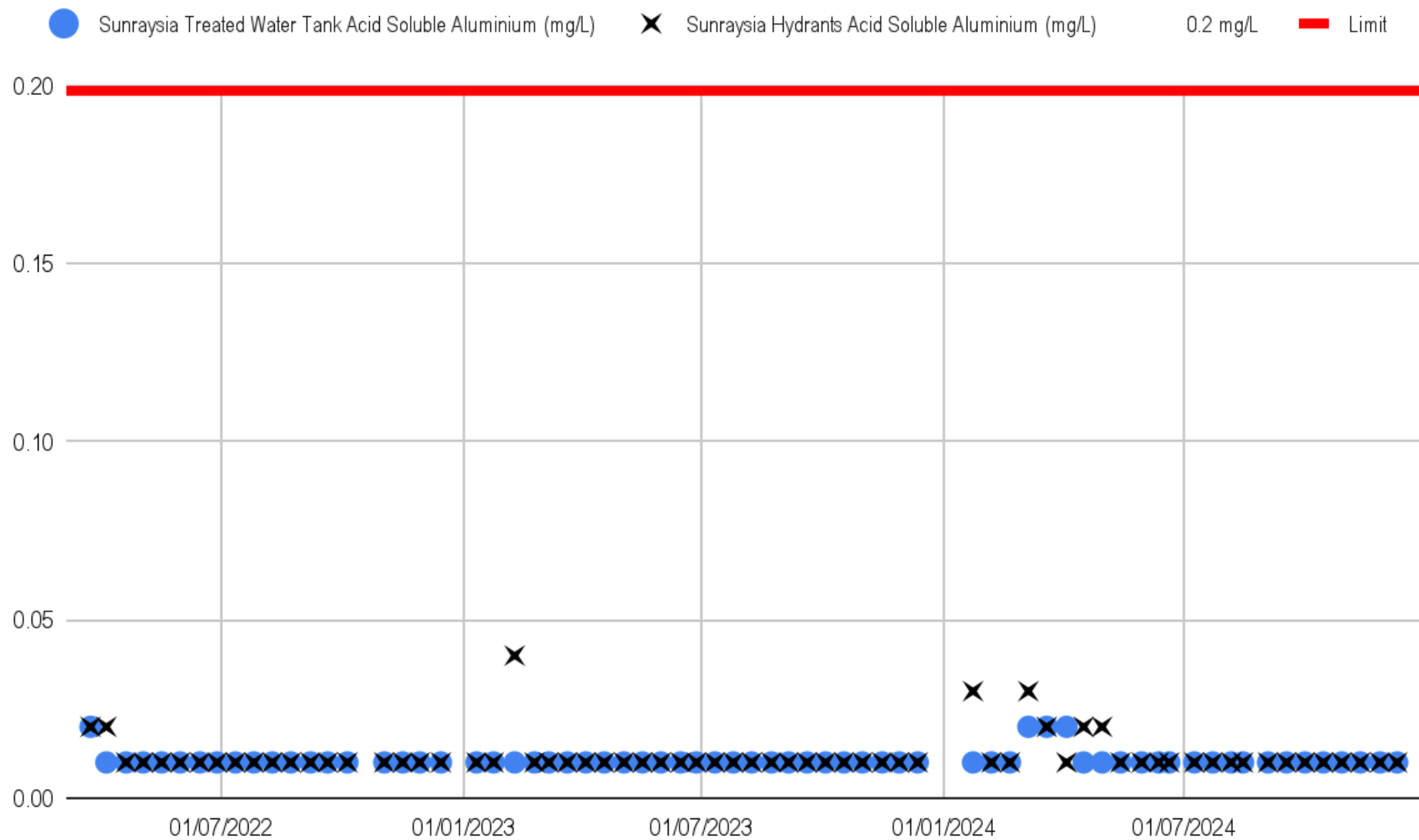


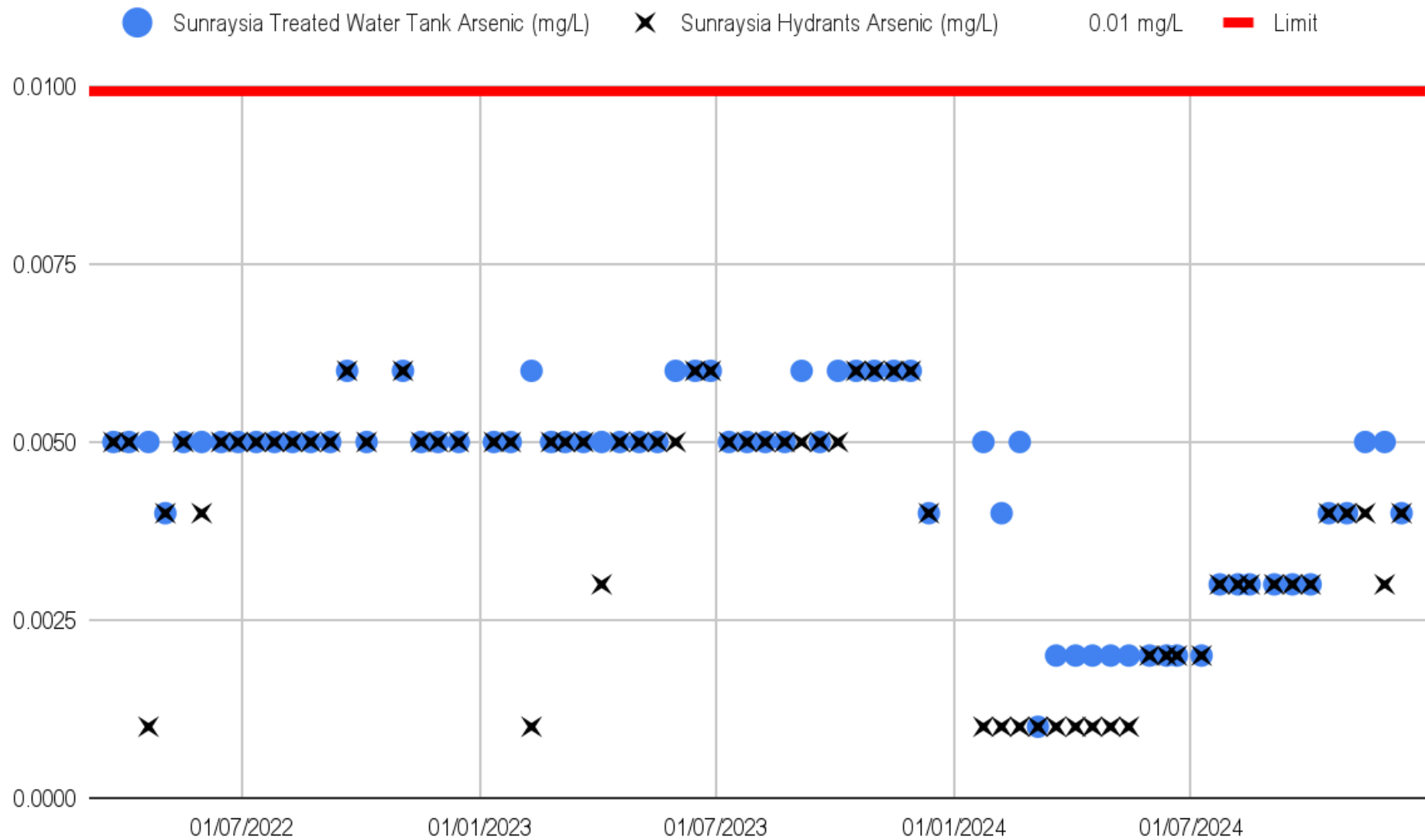
● Sunraysia Treated Water Tank Chloroacetic Acid (mg/L) ✕ Sunraysia Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L — Limit



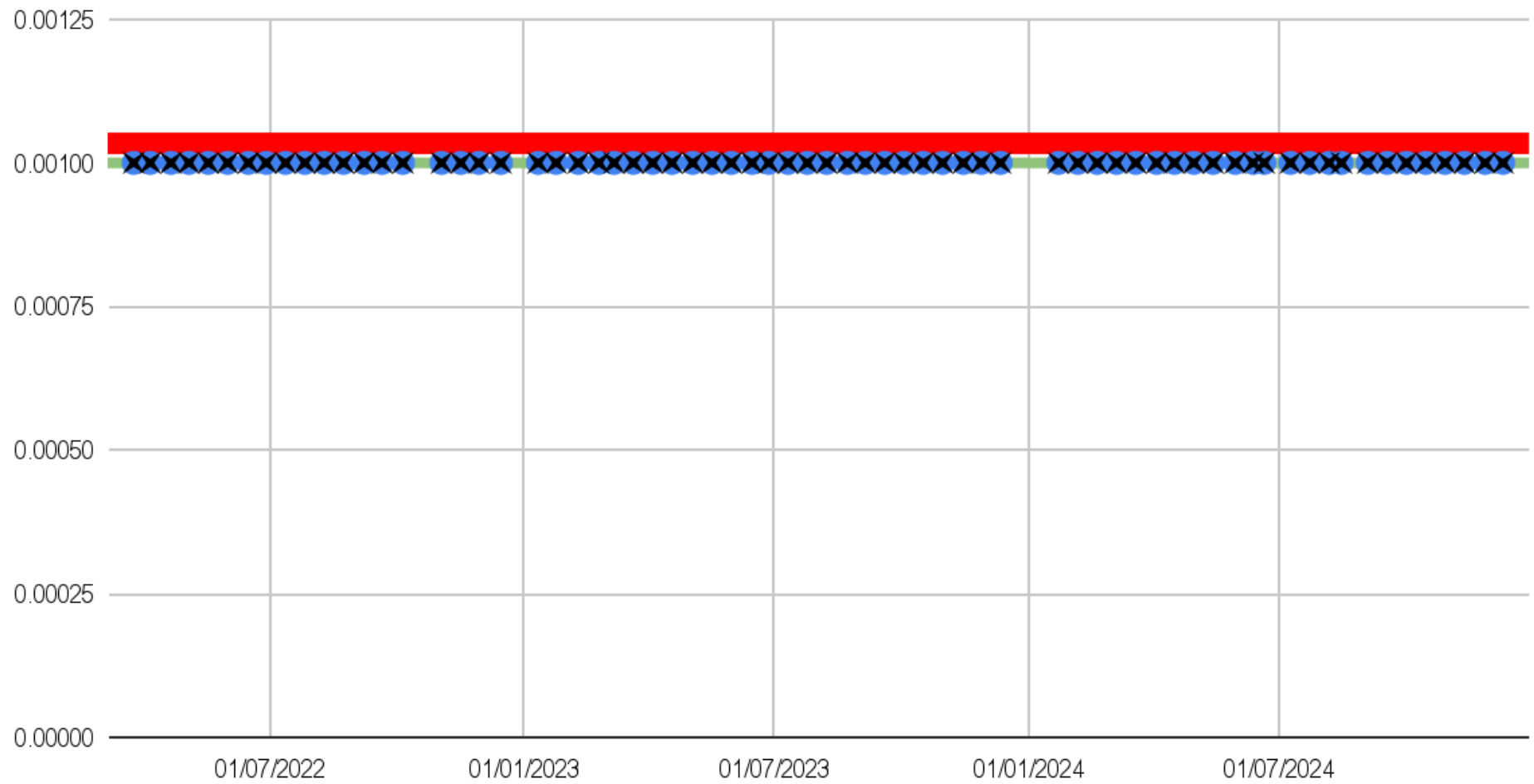


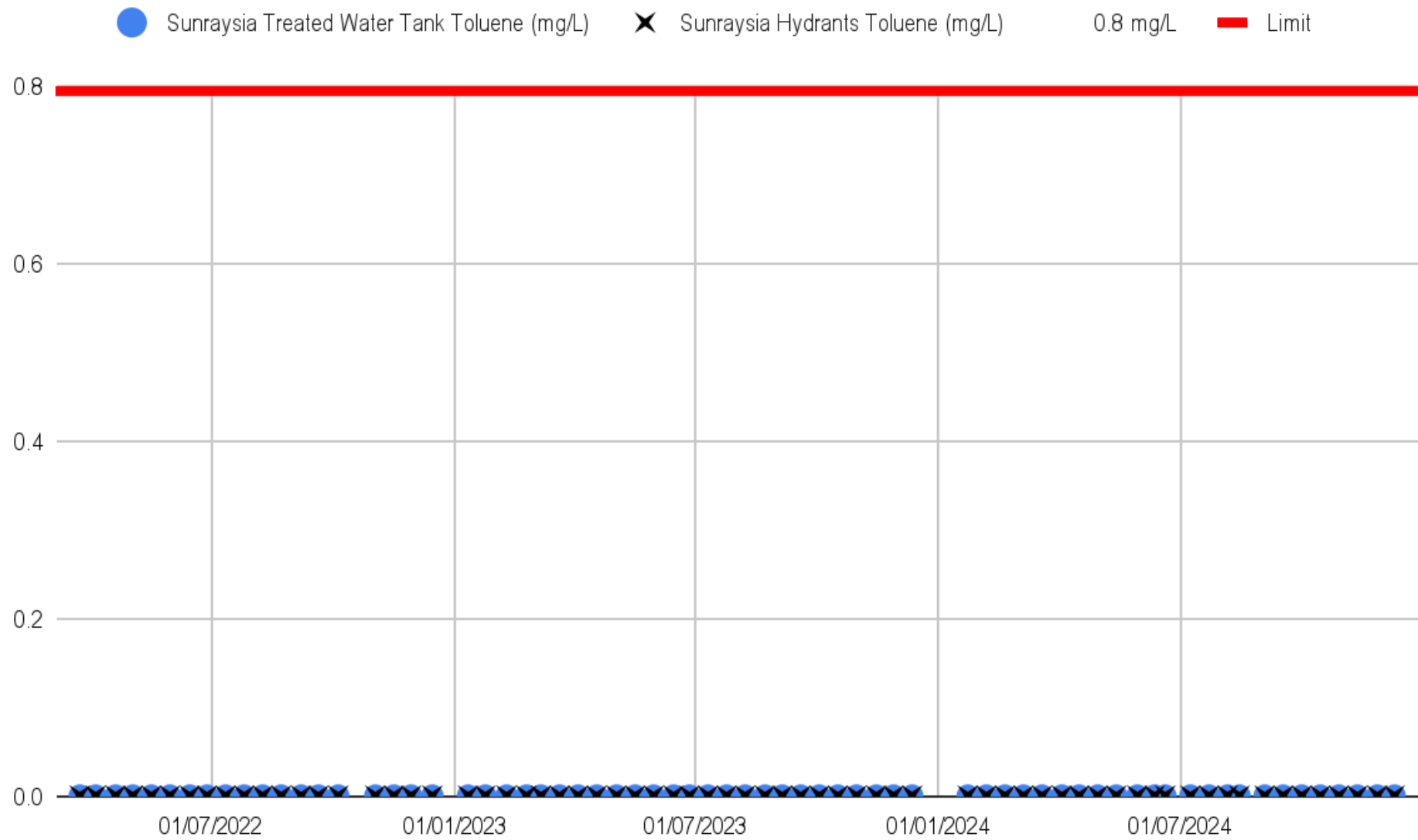


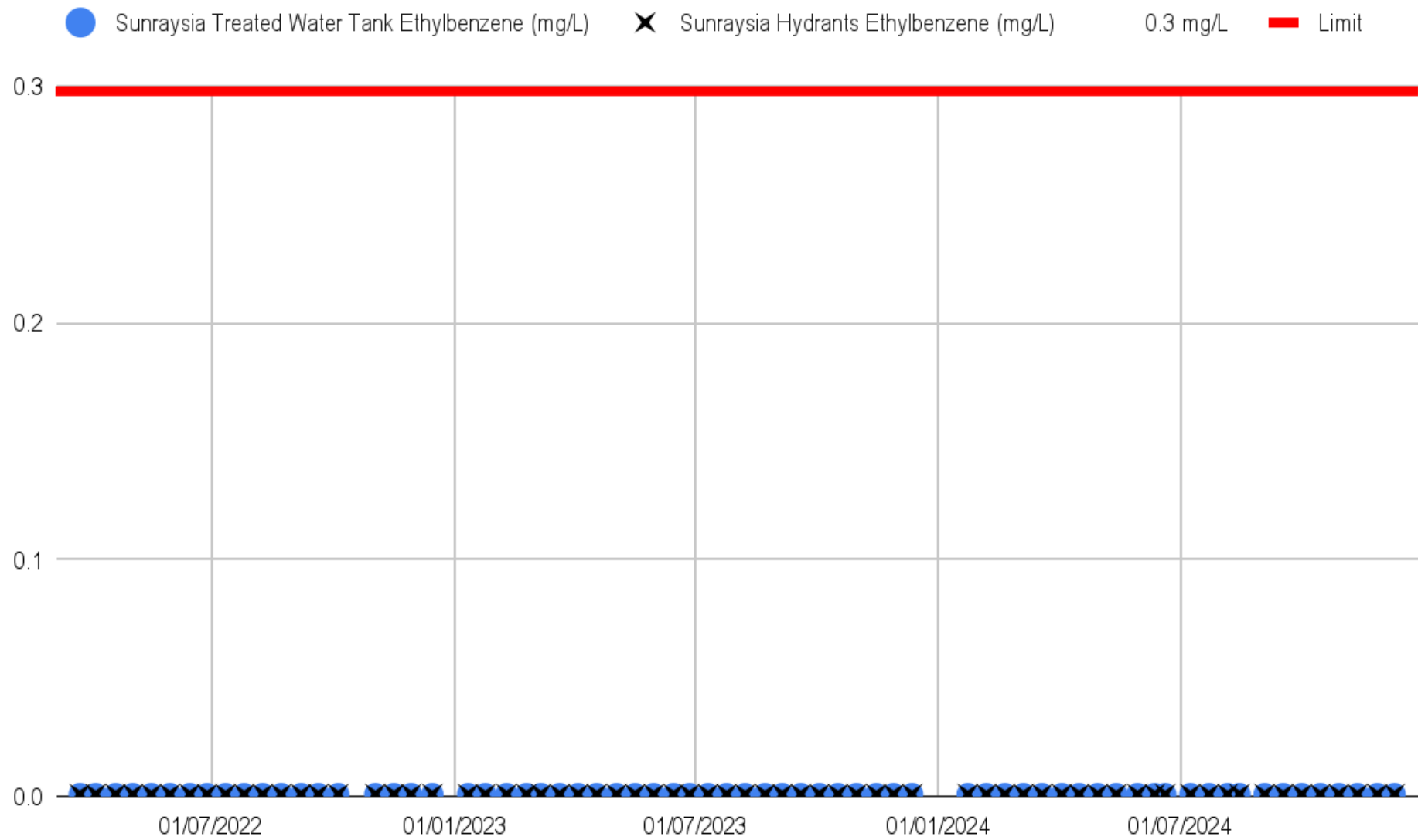


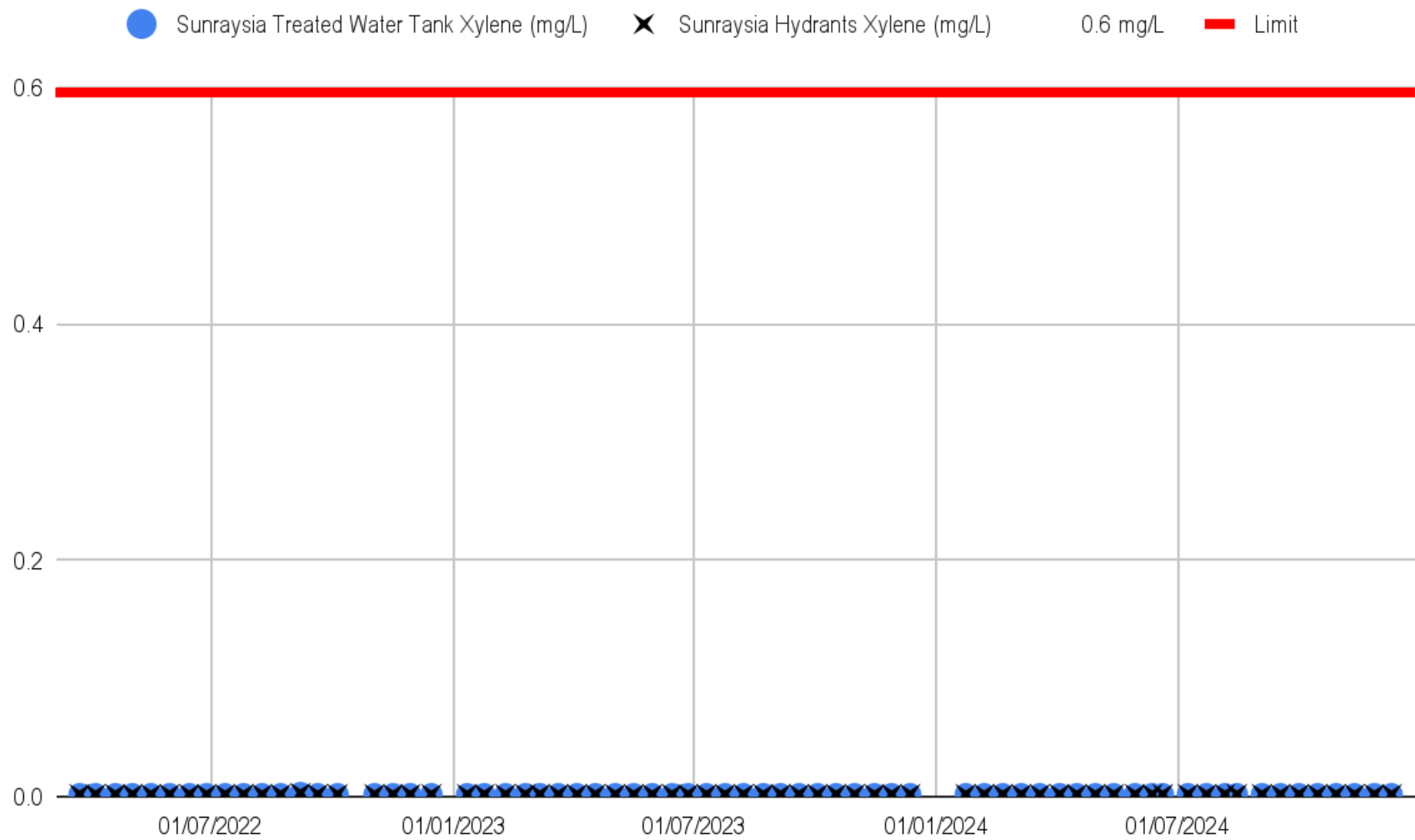


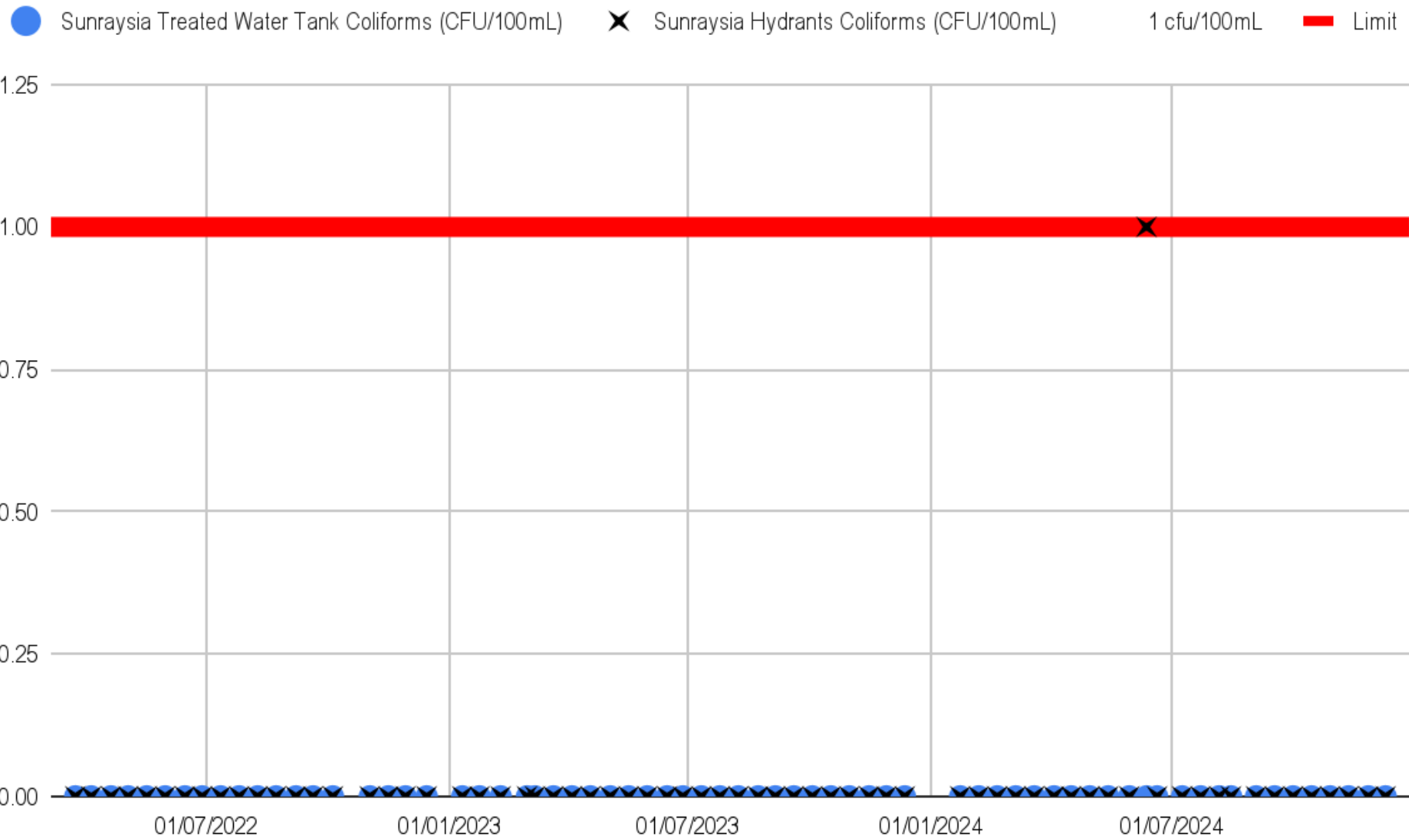
● Sunraysia Treated Water Tank Benzene (mg/L) ✕ Sunraysia Hydrants Benzene (mg/L) 0.001 mg/L ■ Limit
Non Detect Results ■



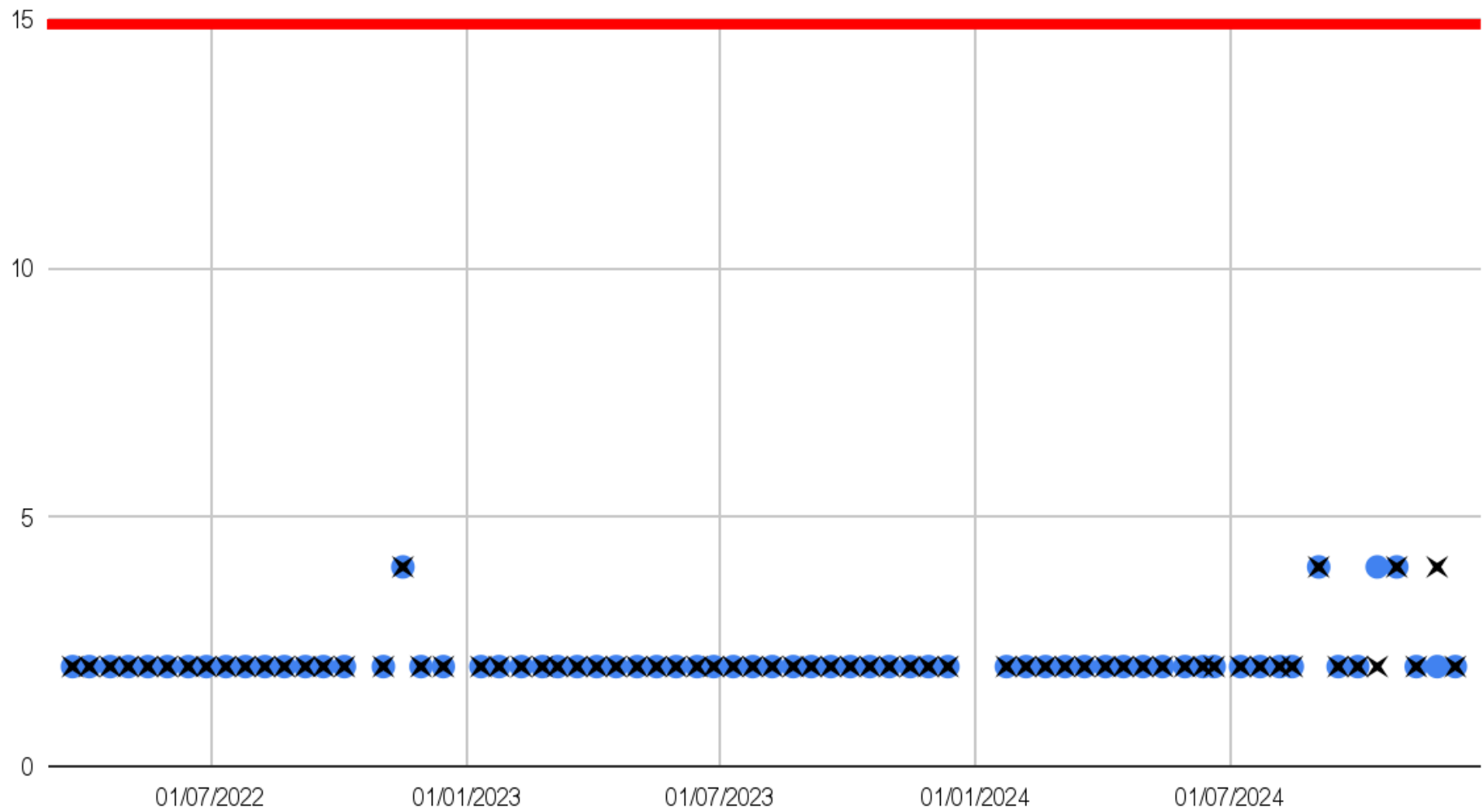


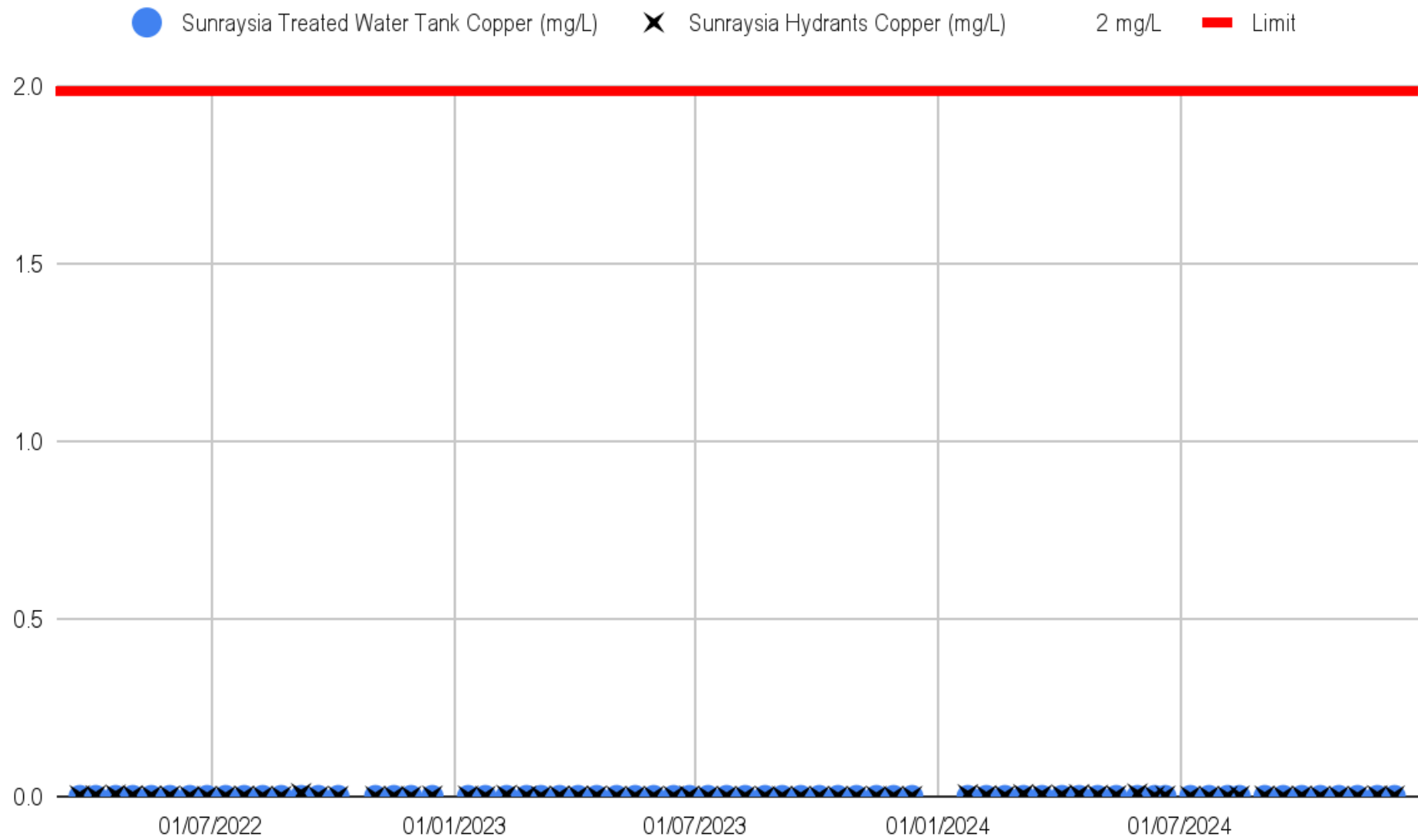




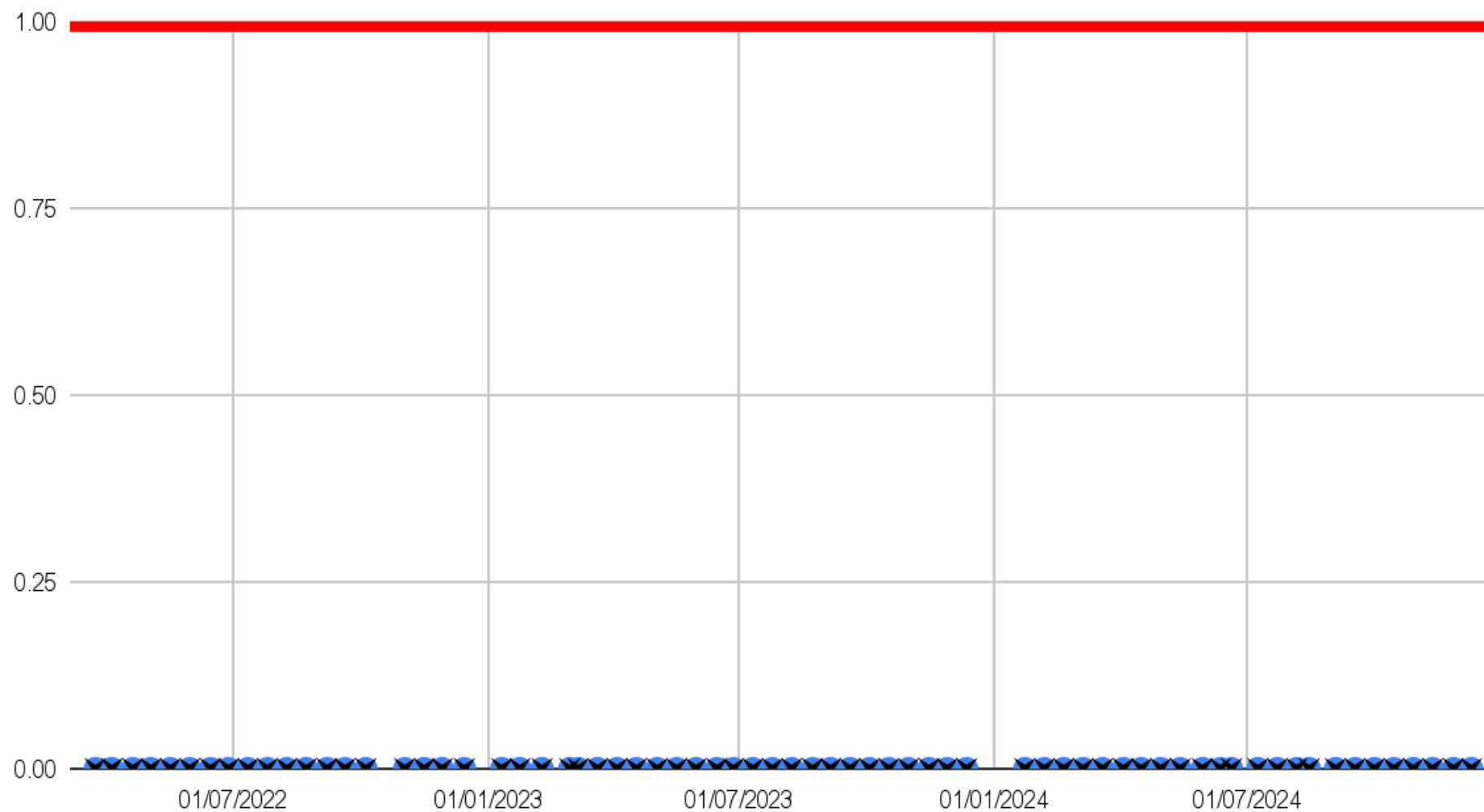


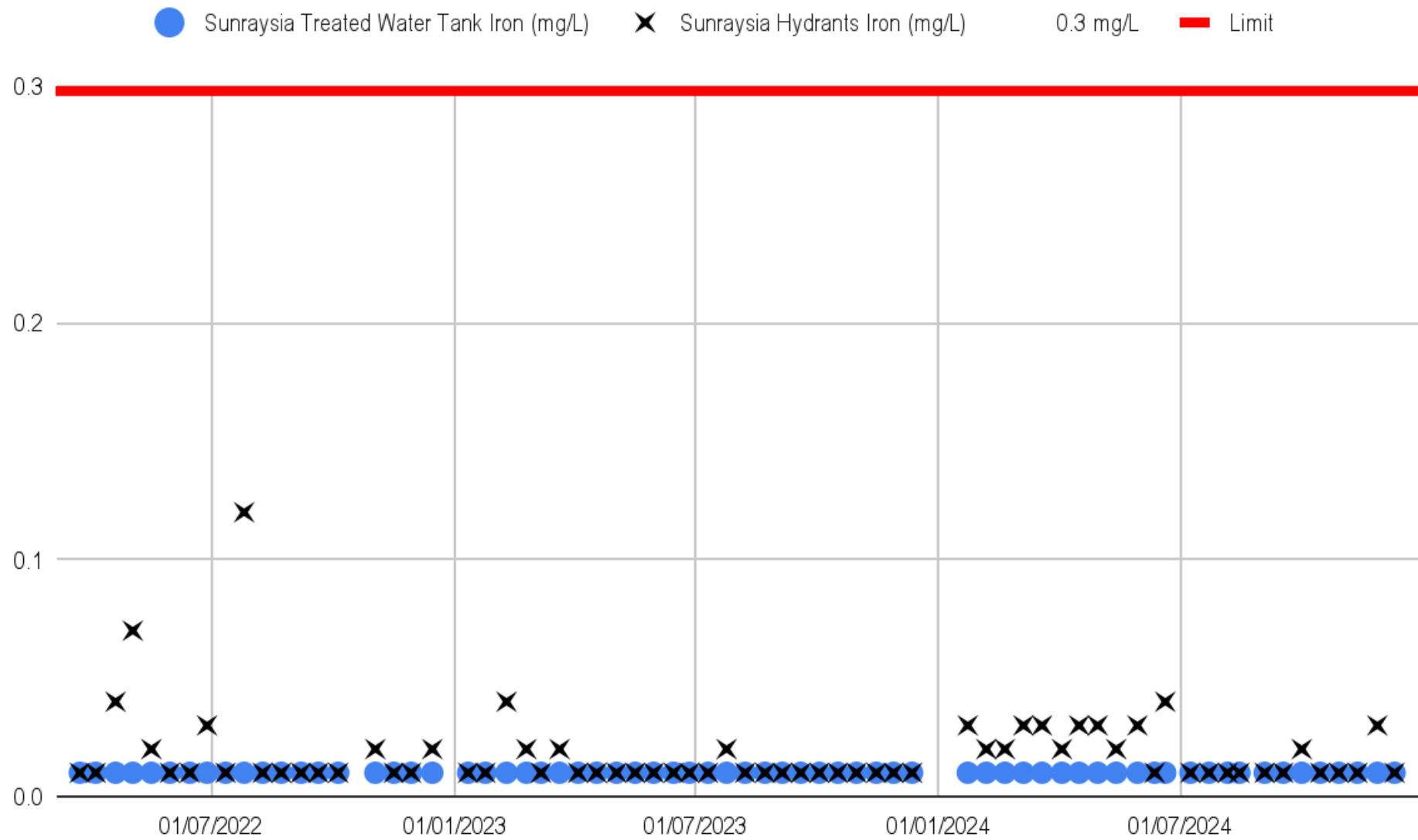
● Sunraysia Treated Water Tank Colour (Pt/Co) ✕ Sunraysia Hydrants Colour (Pt/Co) 15 Pt/Co — Limit

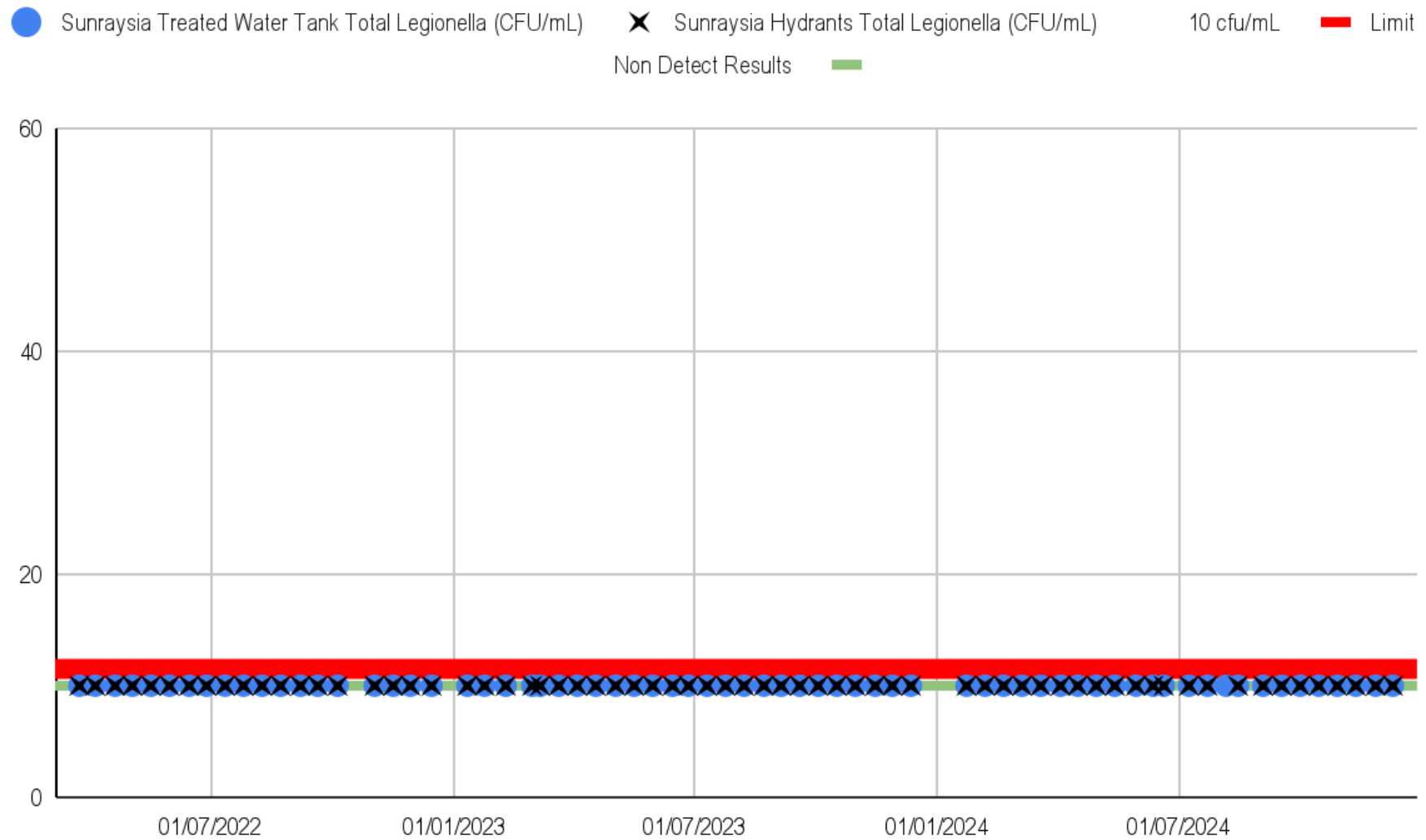




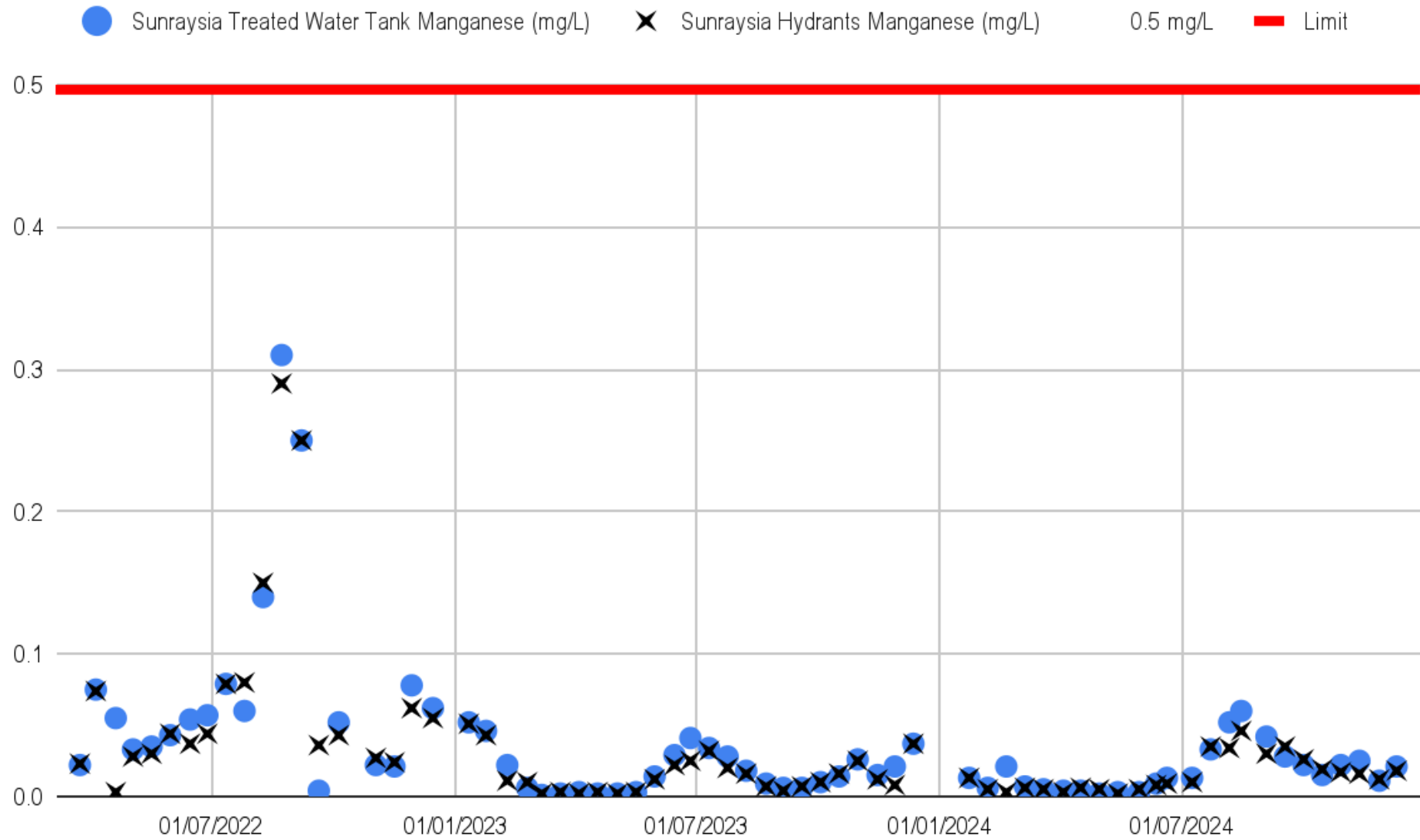
● Sunraysia Treated Water Tank E.coli (CFU/100mL) ✕ Sunraysia Hydrants E.coli (CFU/100mL) 1 cfu/100mL — Limit

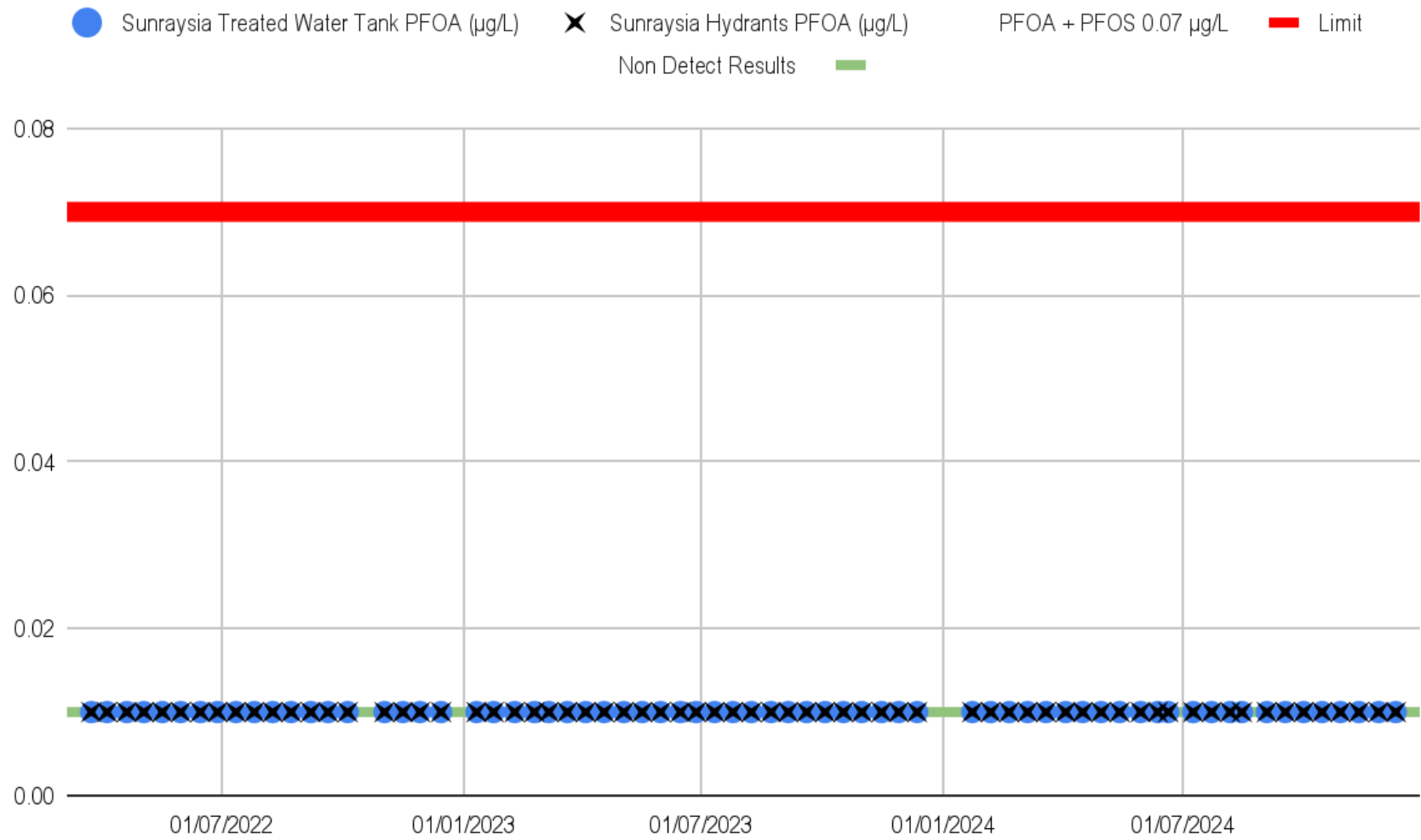




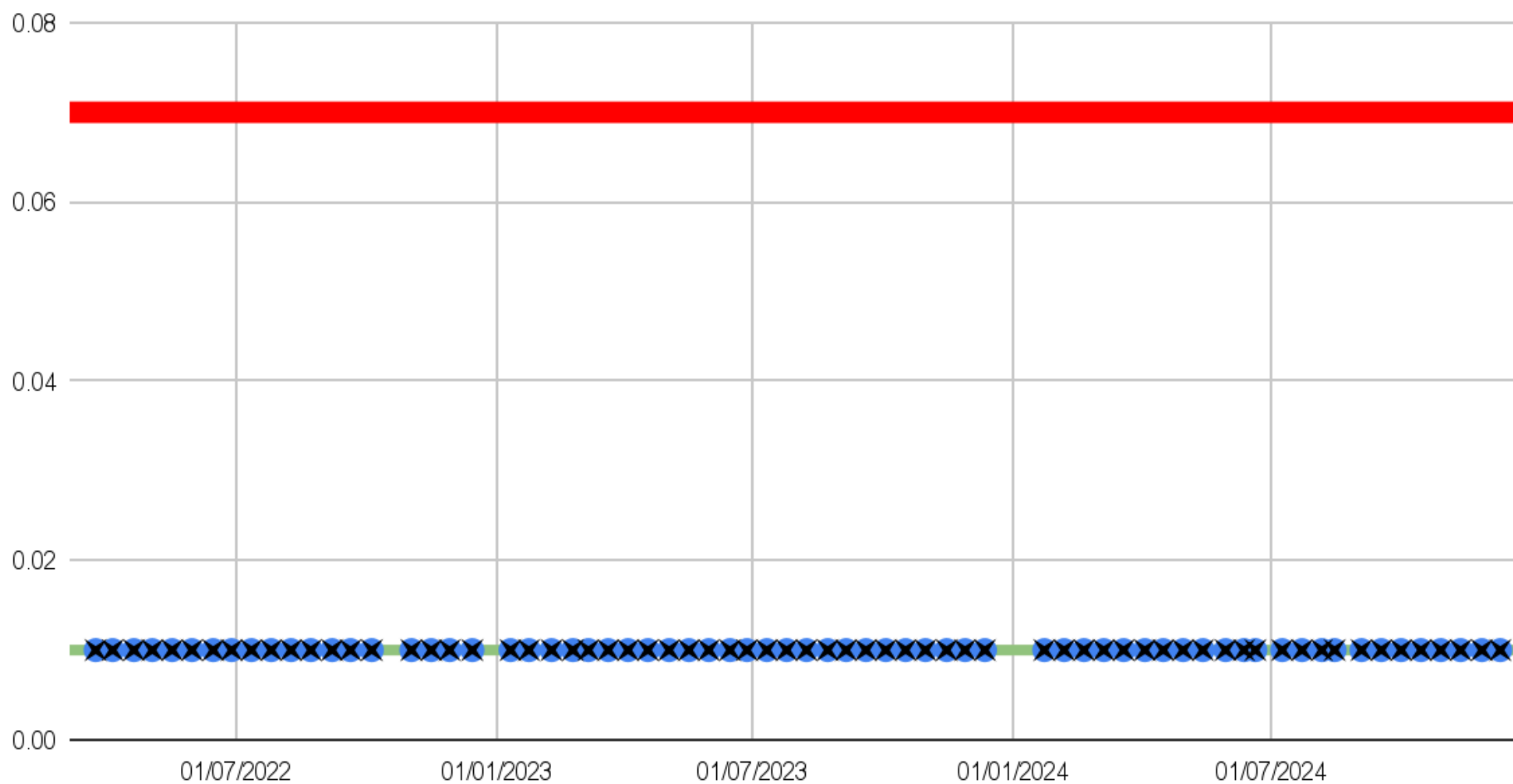


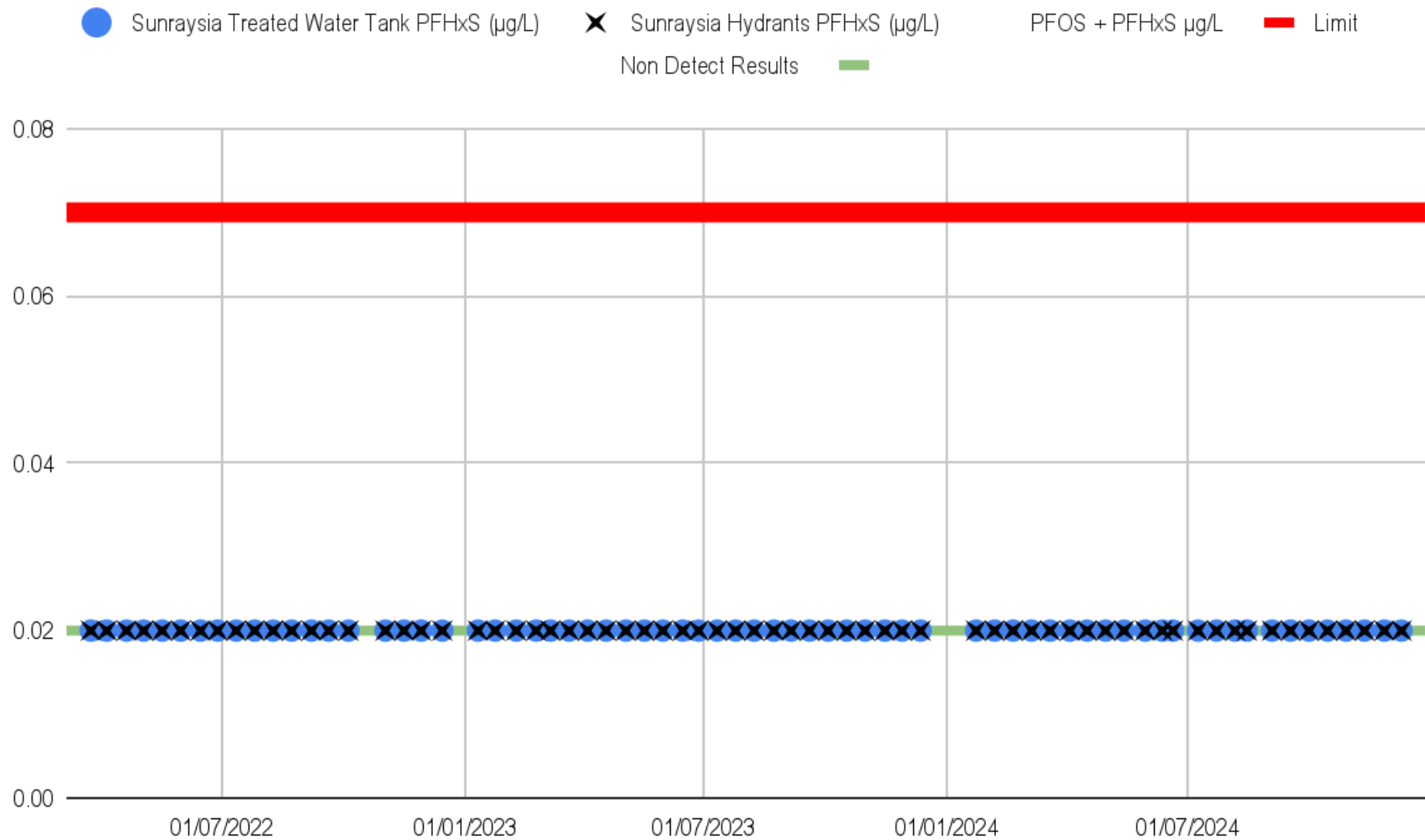
*Hydrant Composite sample taken on 06/08/2024 (500CFU/mL) excluded from chart

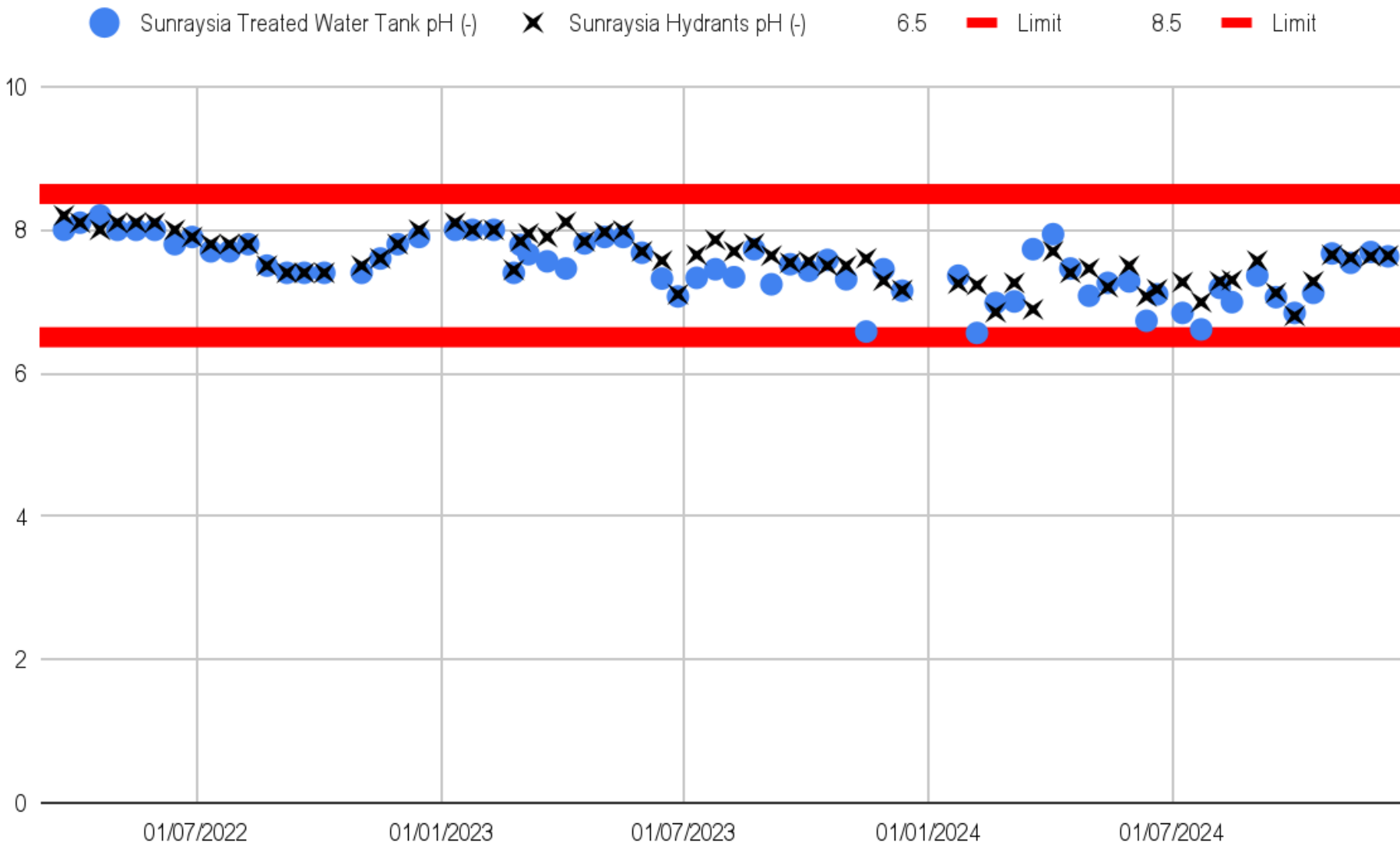


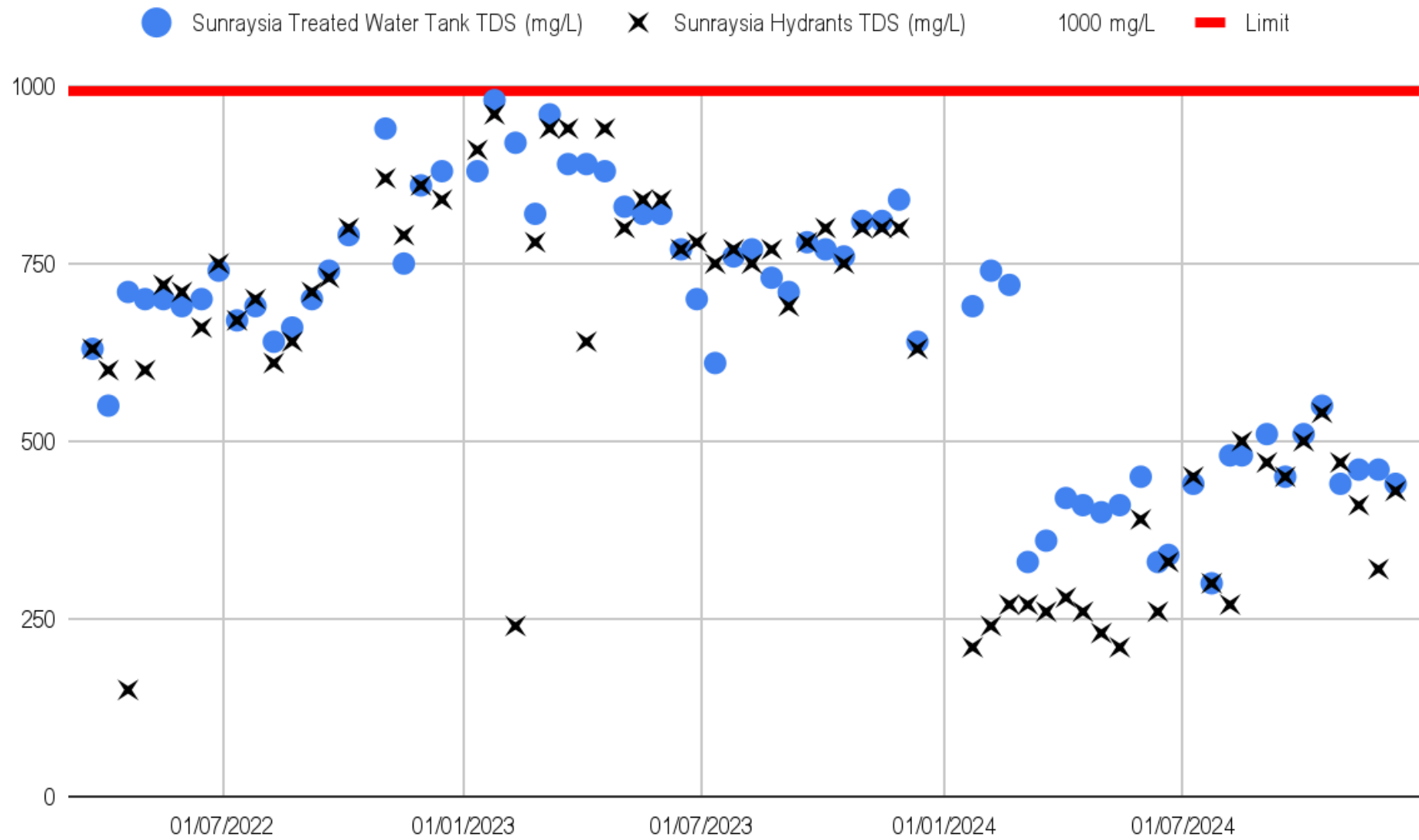


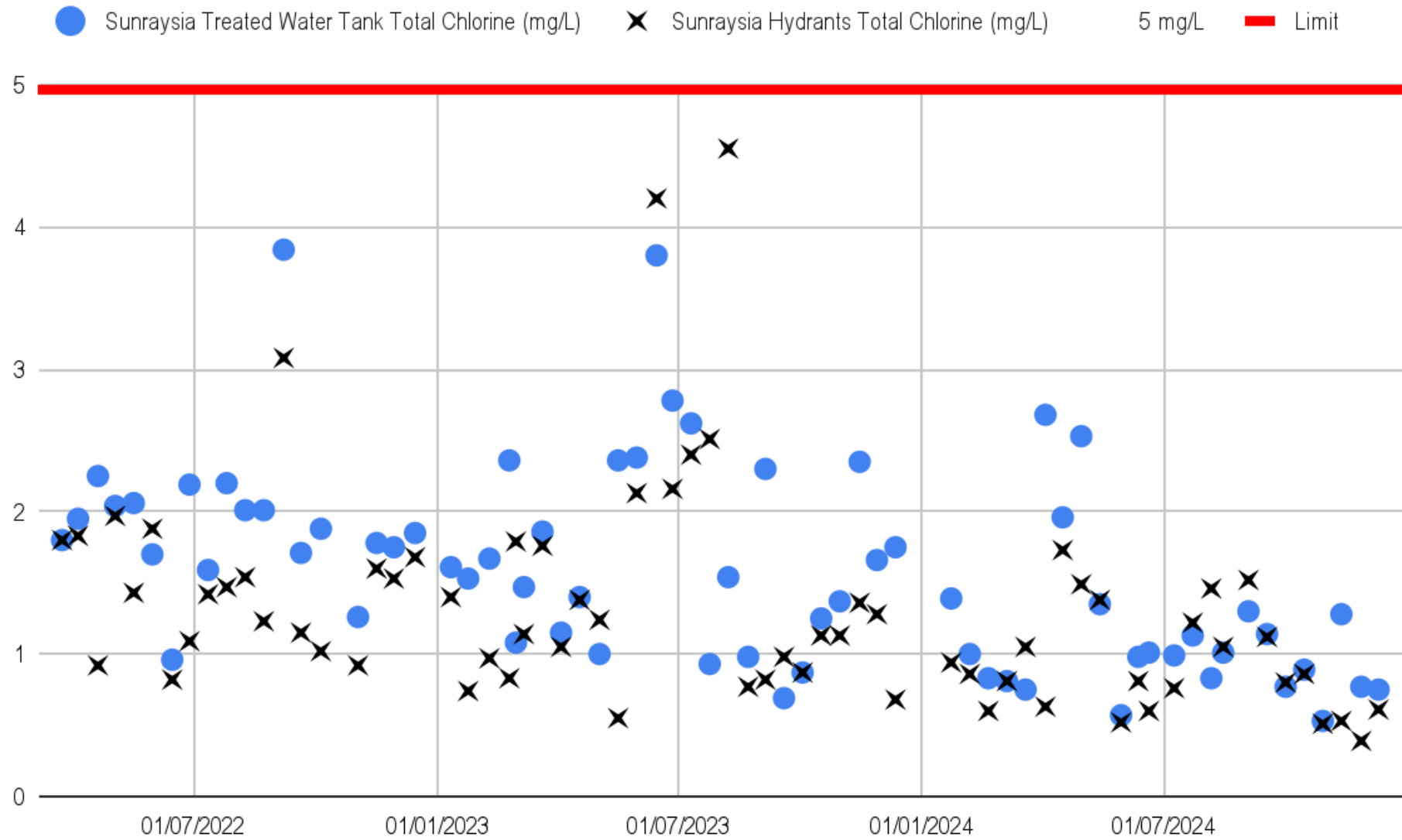
● Sunraysia Treated Water Tank PFOS (µg/L) ✕ Sunraysia Hydrants PFOS (µg/L) PFOA + PFOS 0.07 µg/L ■ Limit
Non Detect Results ■

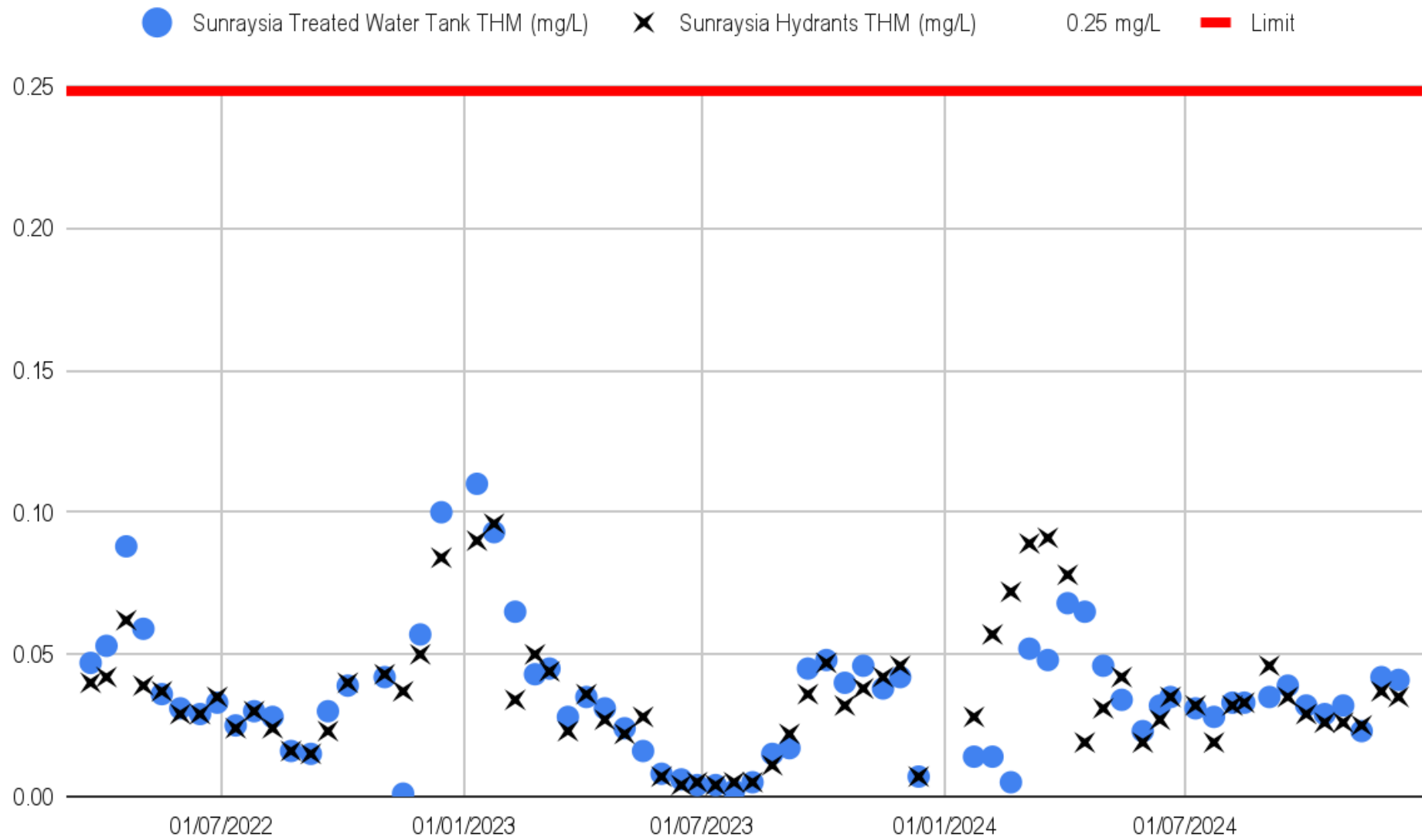


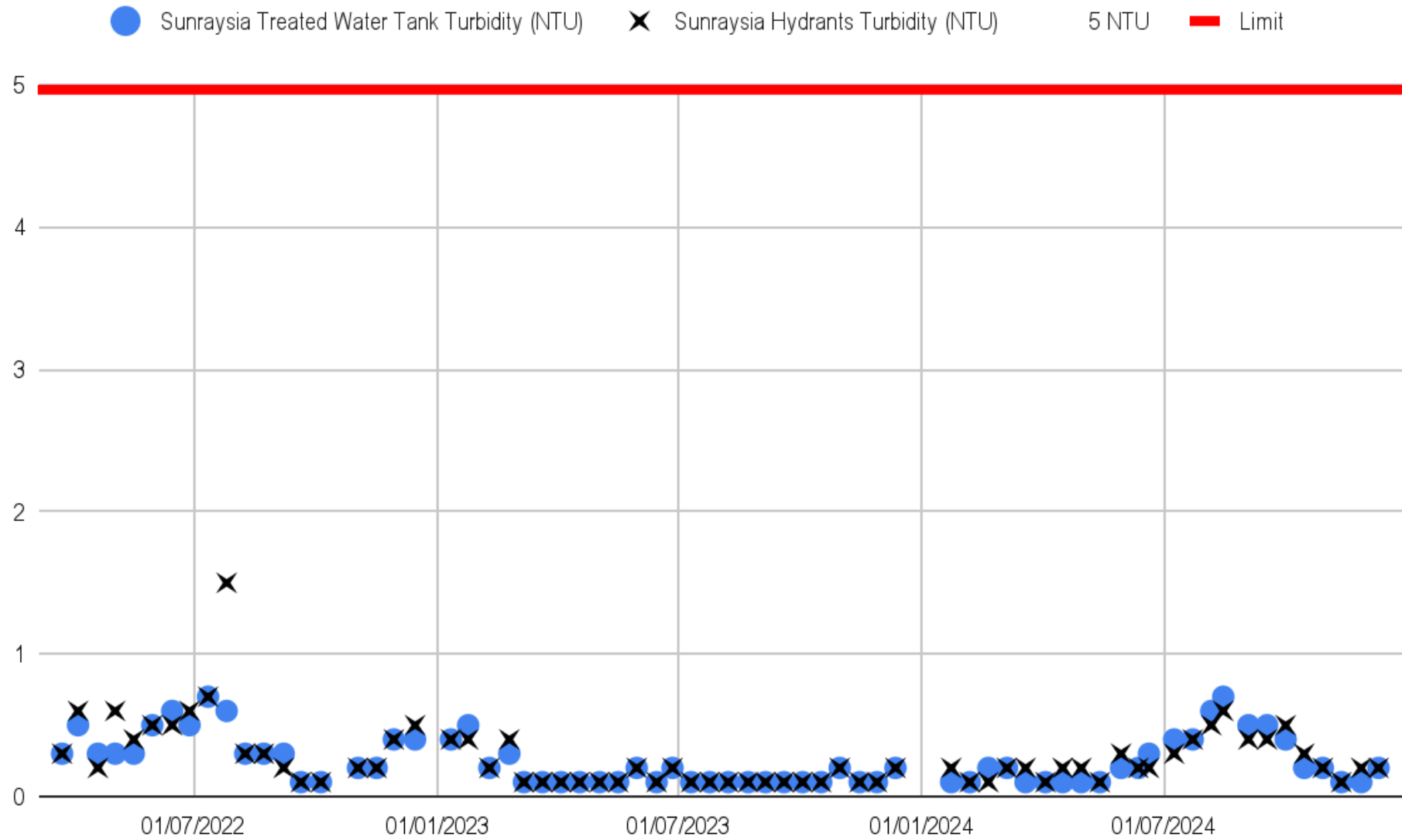




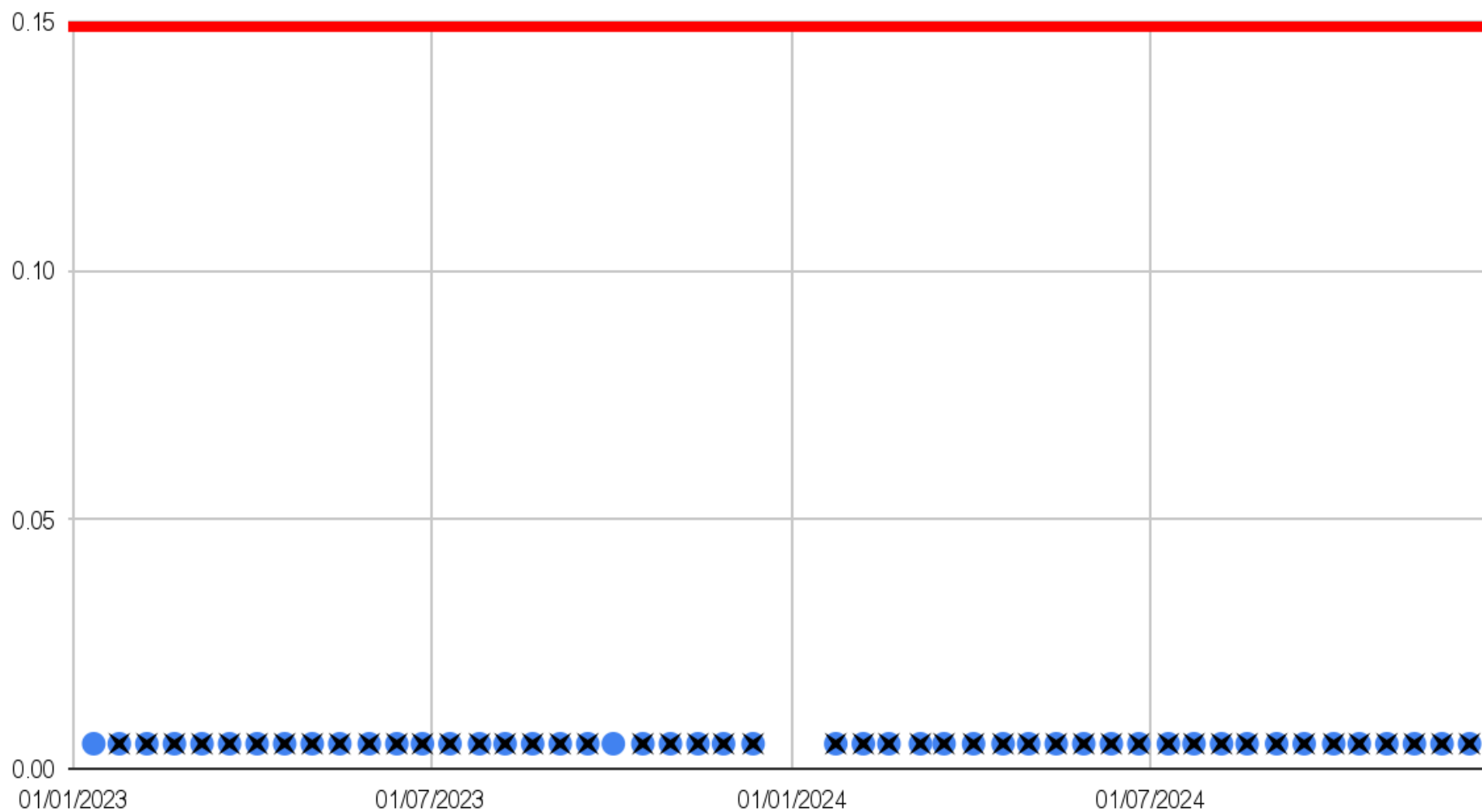


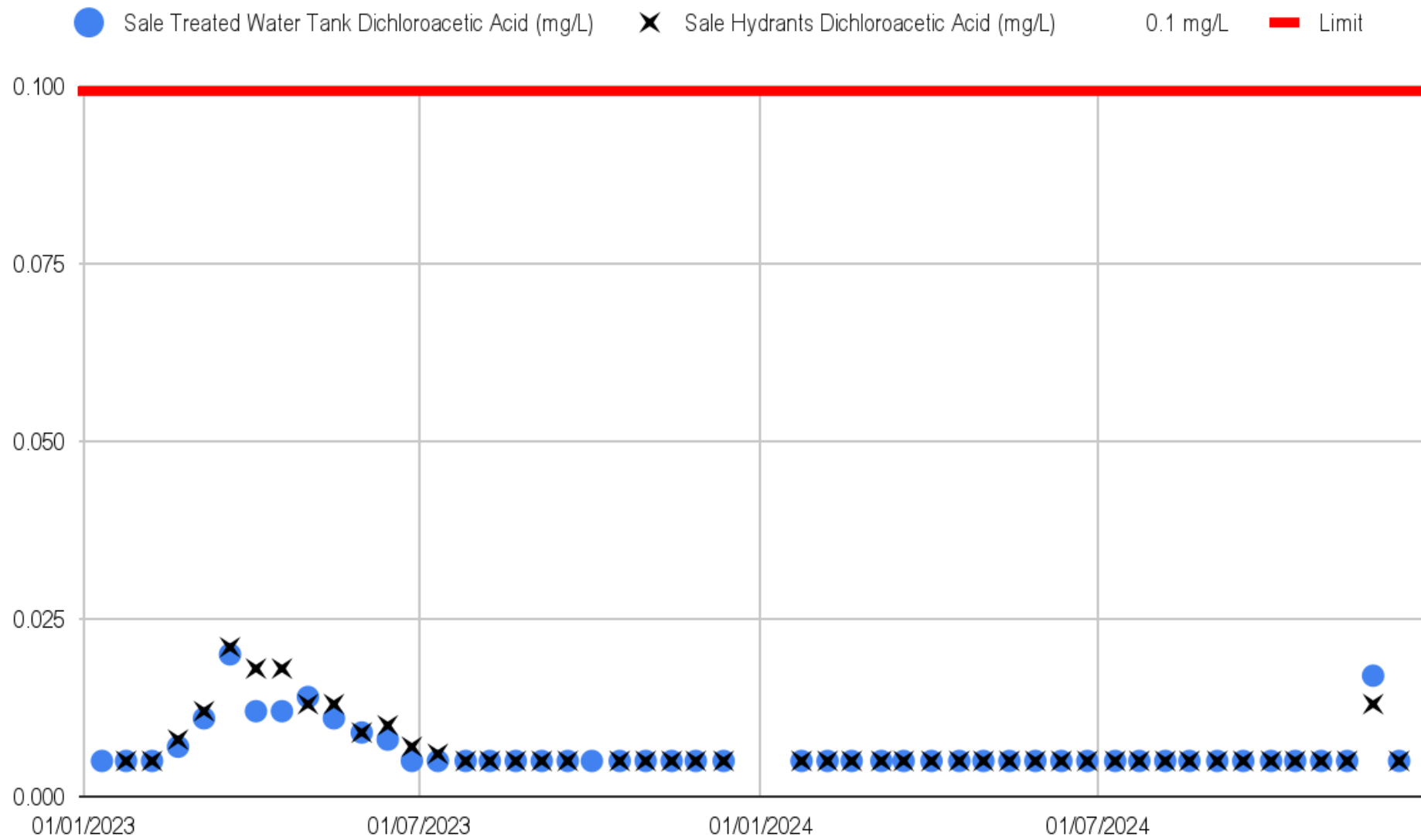




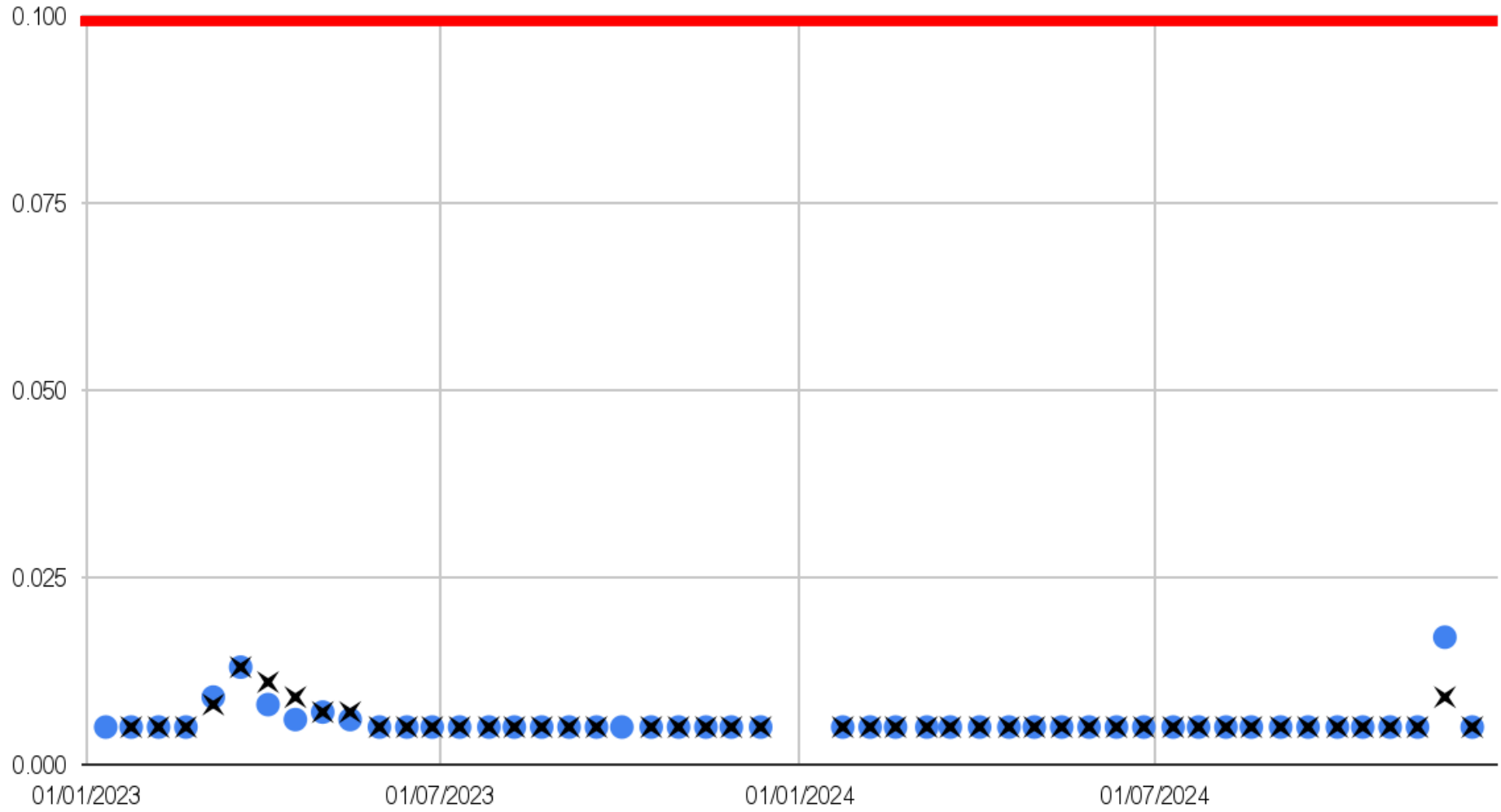


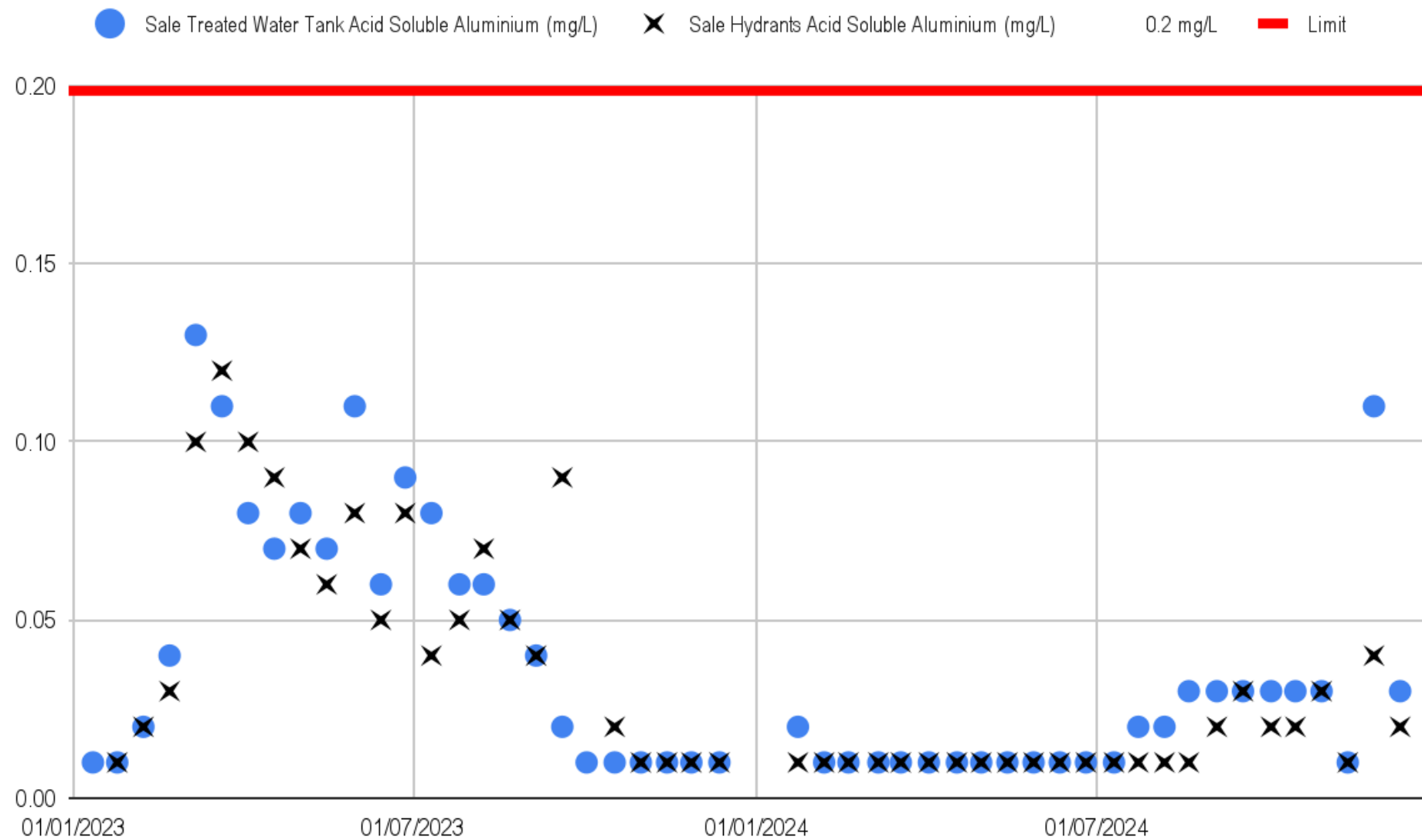
● Sale Treated Water Tank Chloroacetic Acid (mg/L) ✕ Sale Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L — Limit

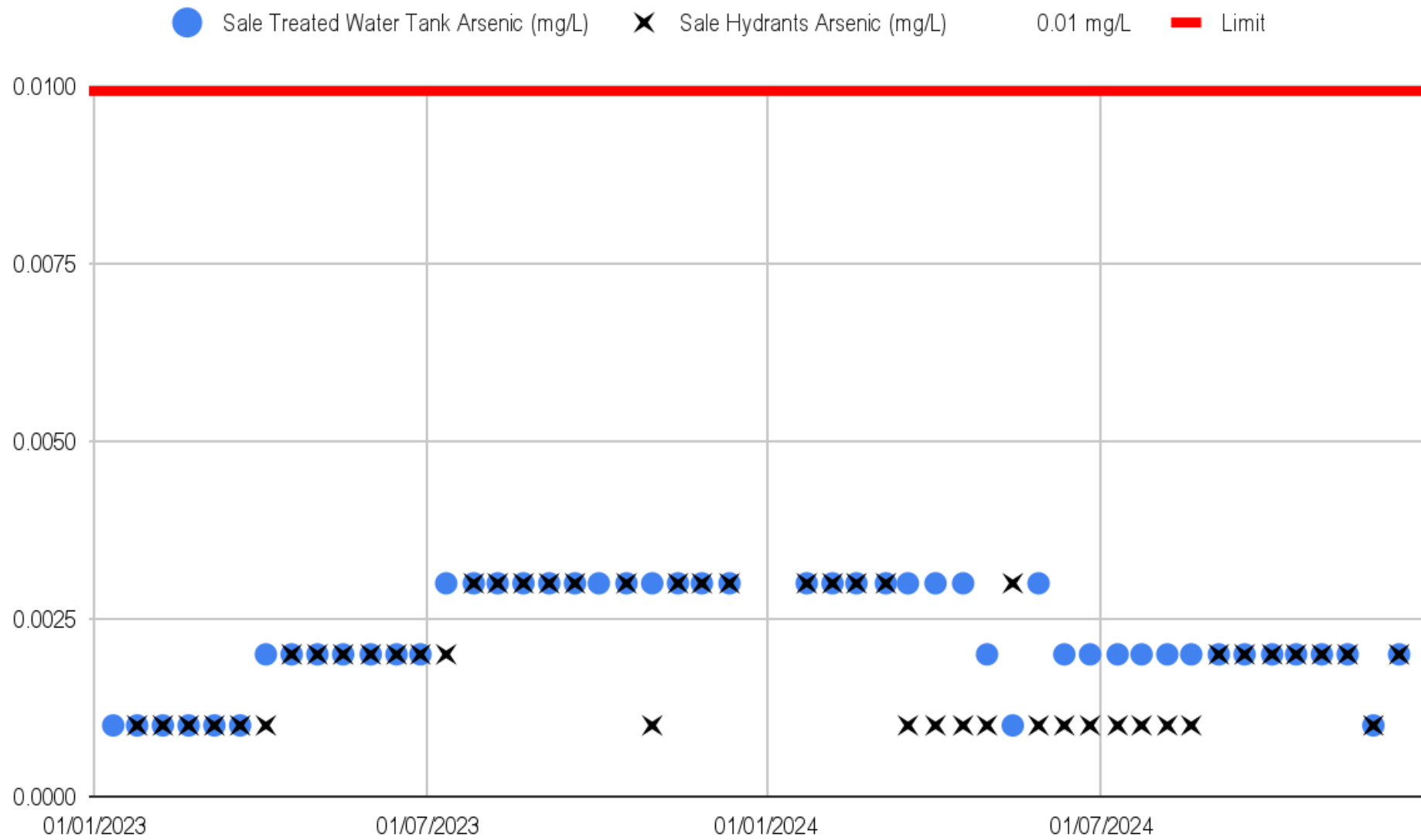




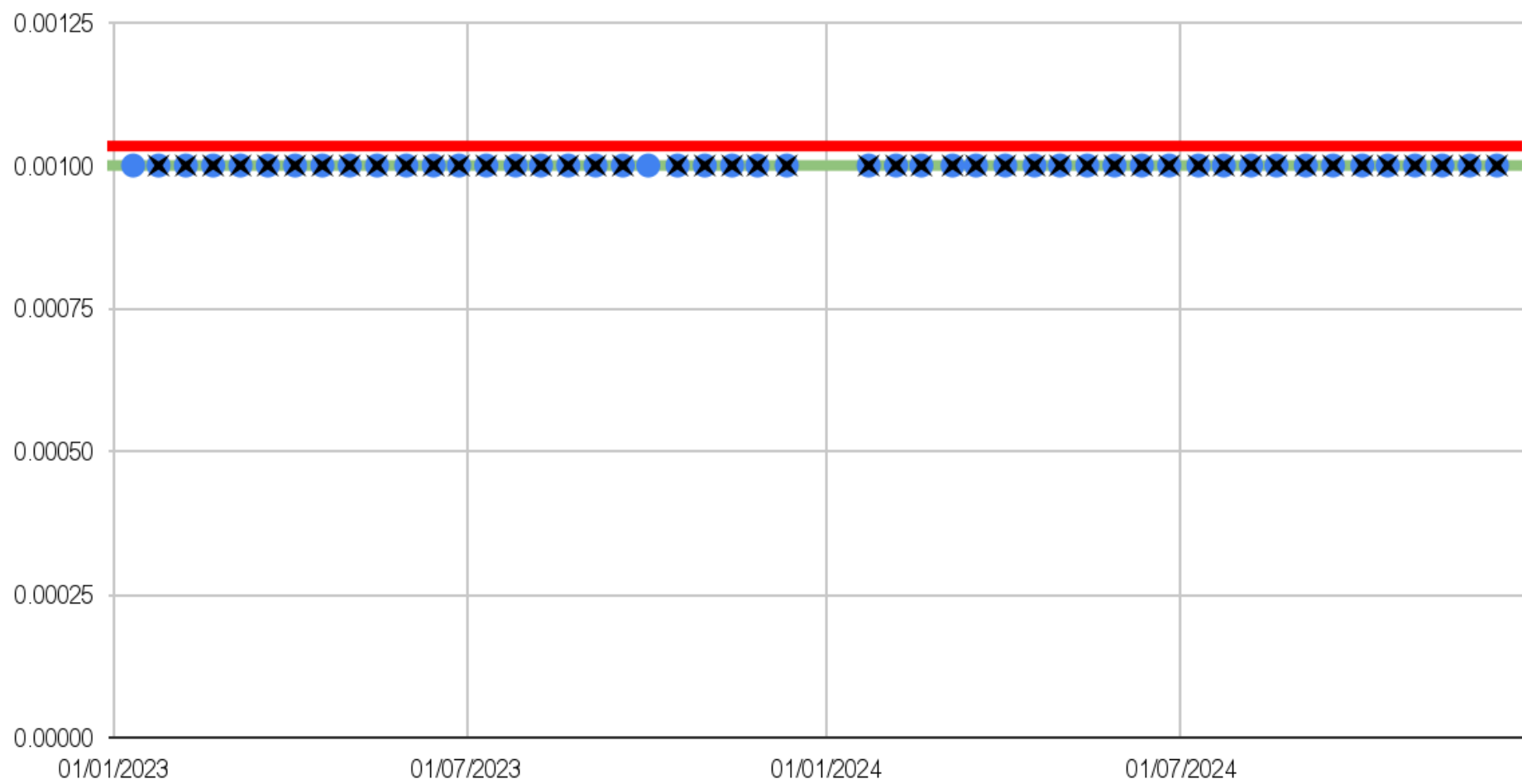
● Sale Treated Water Tank Trichloroacetic Acid (mg/L) ✕ Sale Hydrants Trichloroacetic Acid (mg/L) 0.1 mg/L ■ Limit



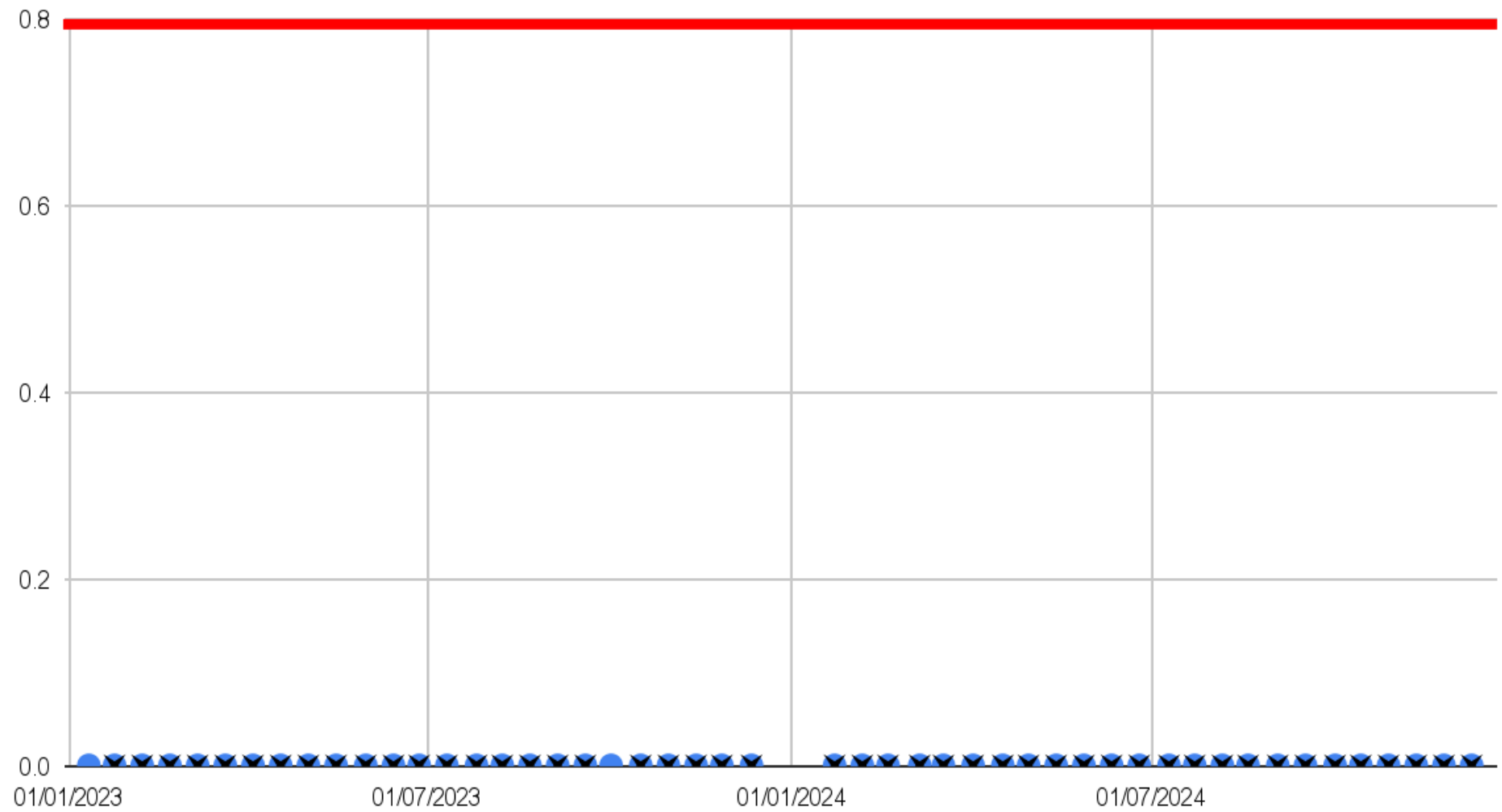




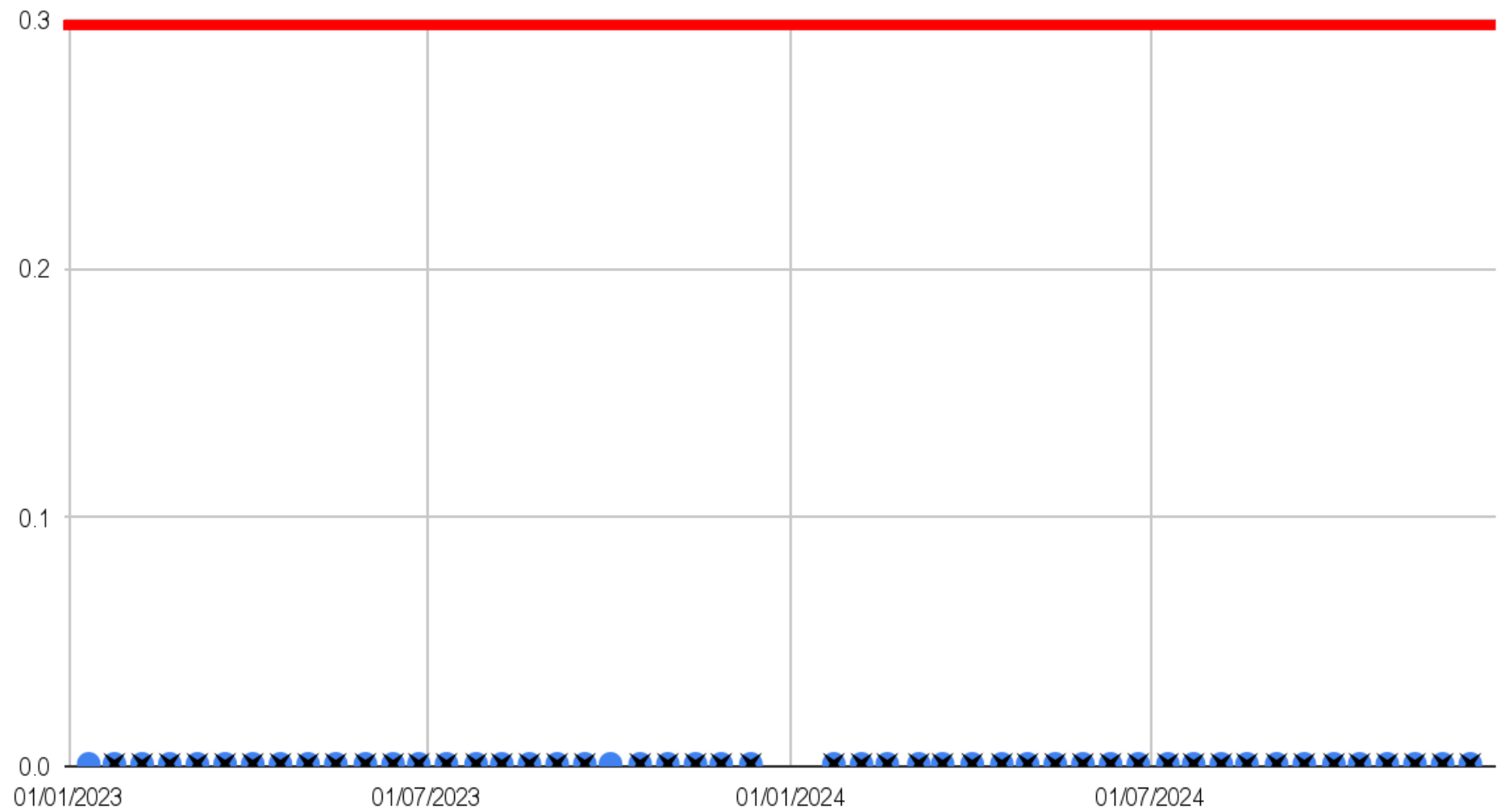
● Sale Treated Water Tank Benzene (mg/L) ✕ Sale Hydrants Benzene (mg/L) 0.001 mg/L ■ Limit
Non Detect Results ■

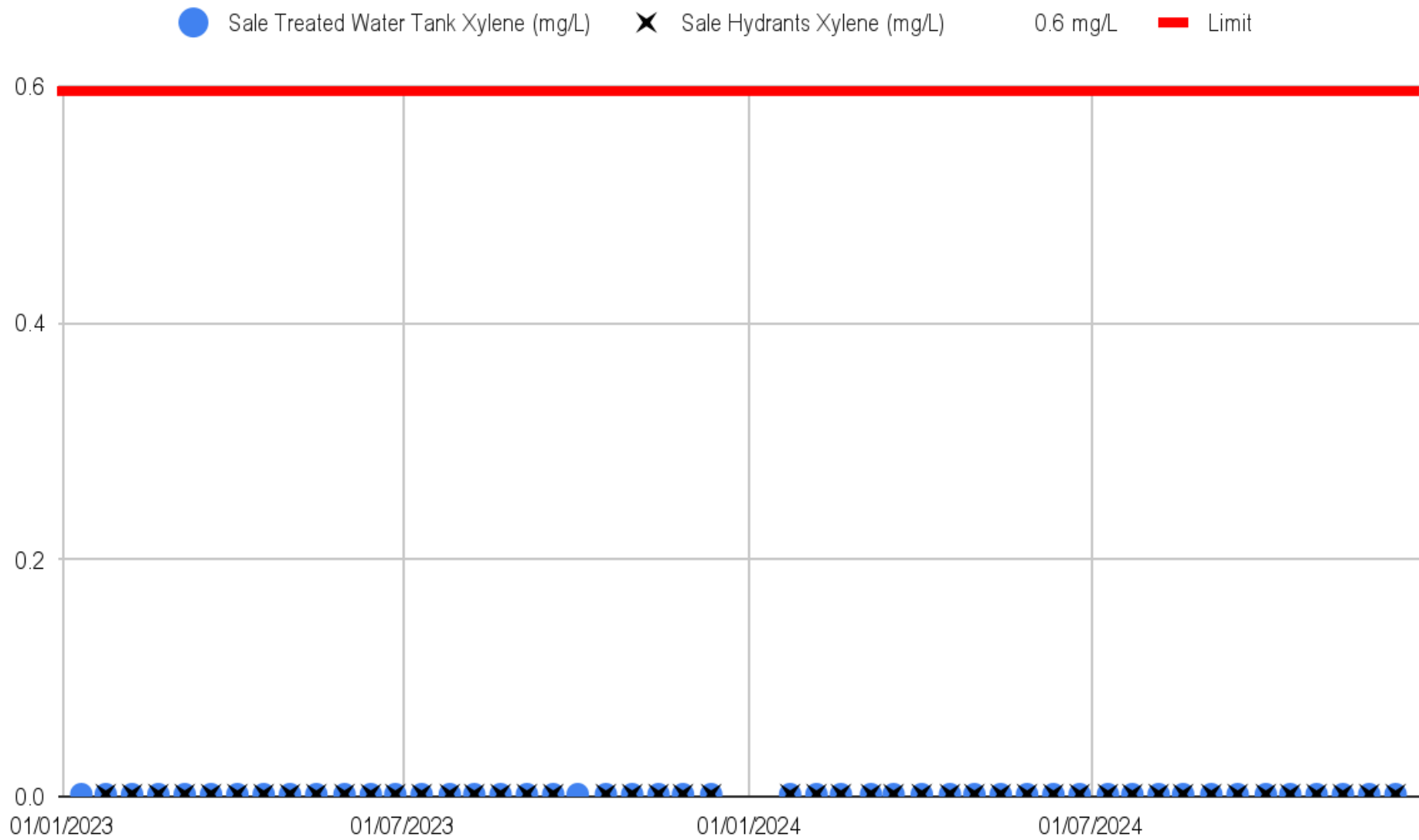


● Sale Treated Water Tank Toluene (mg/L) ✕ Sale Hydrants Toluene (mg/L) 0.8 mg/L — Limit

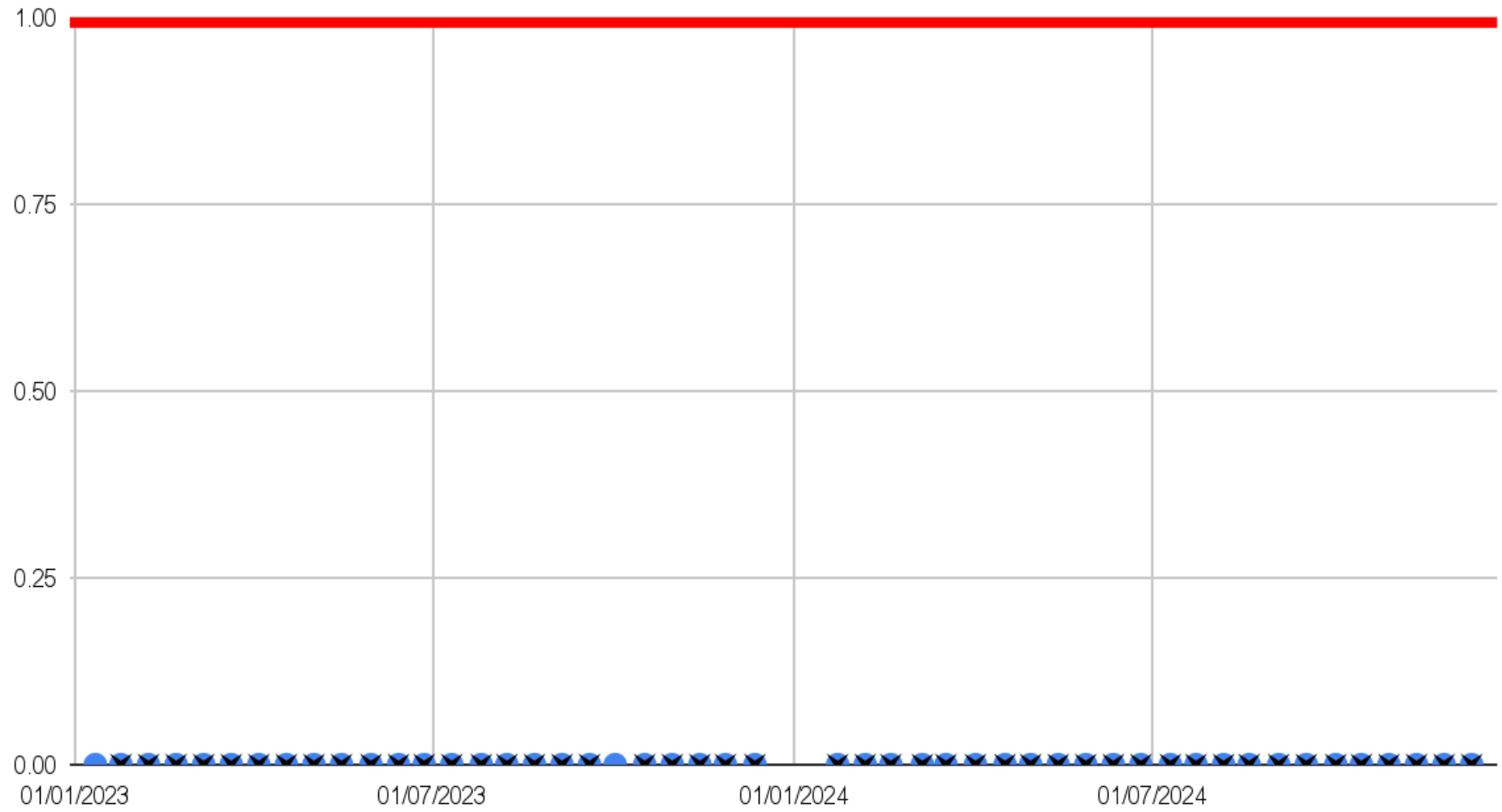


● Sale Treated Water Tank Ethylbenzene (mg/L) ✕ Sale Hydrants Ethylbenzene (mg/L) 0.3 mg/L — Limit

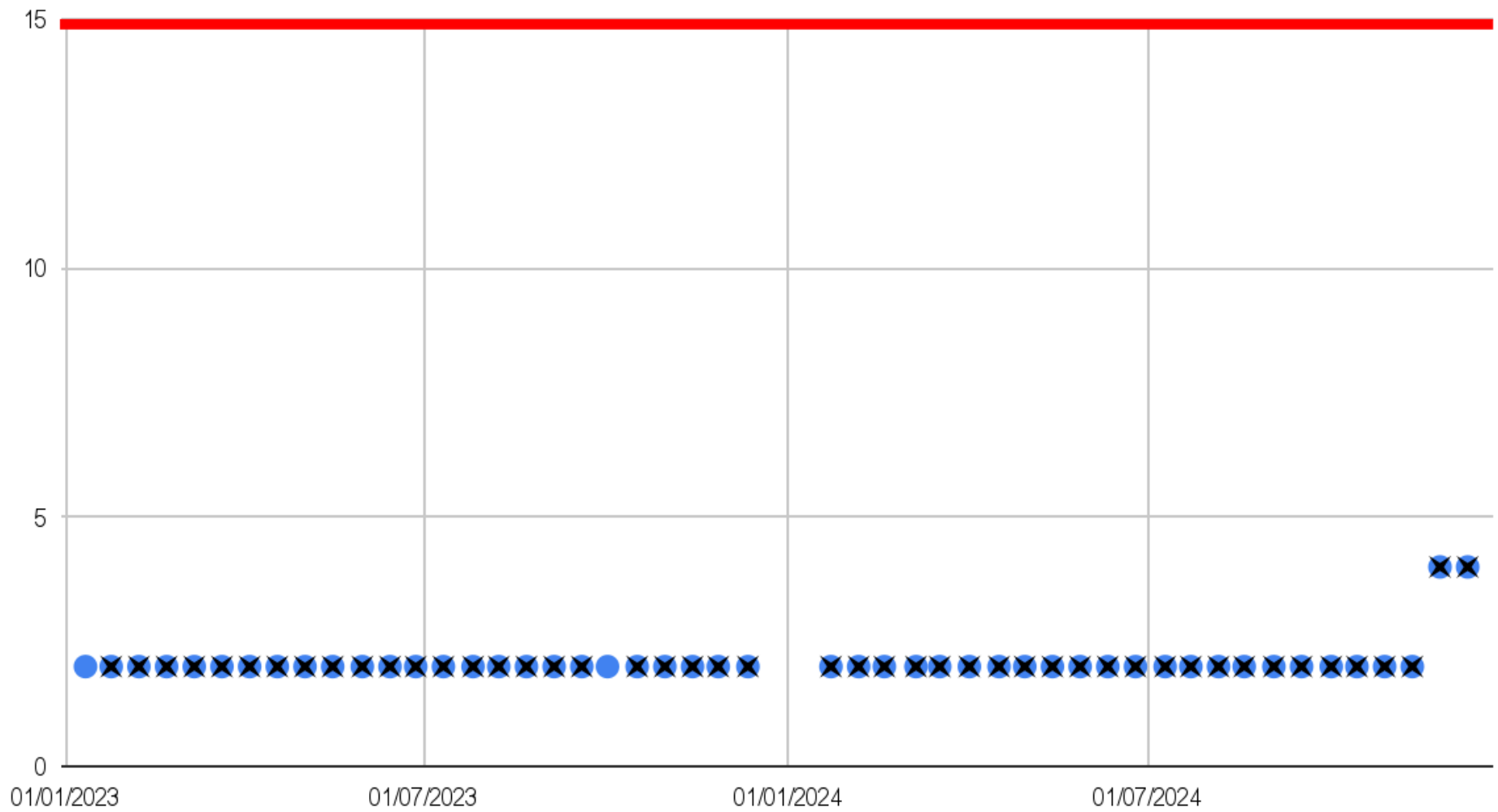


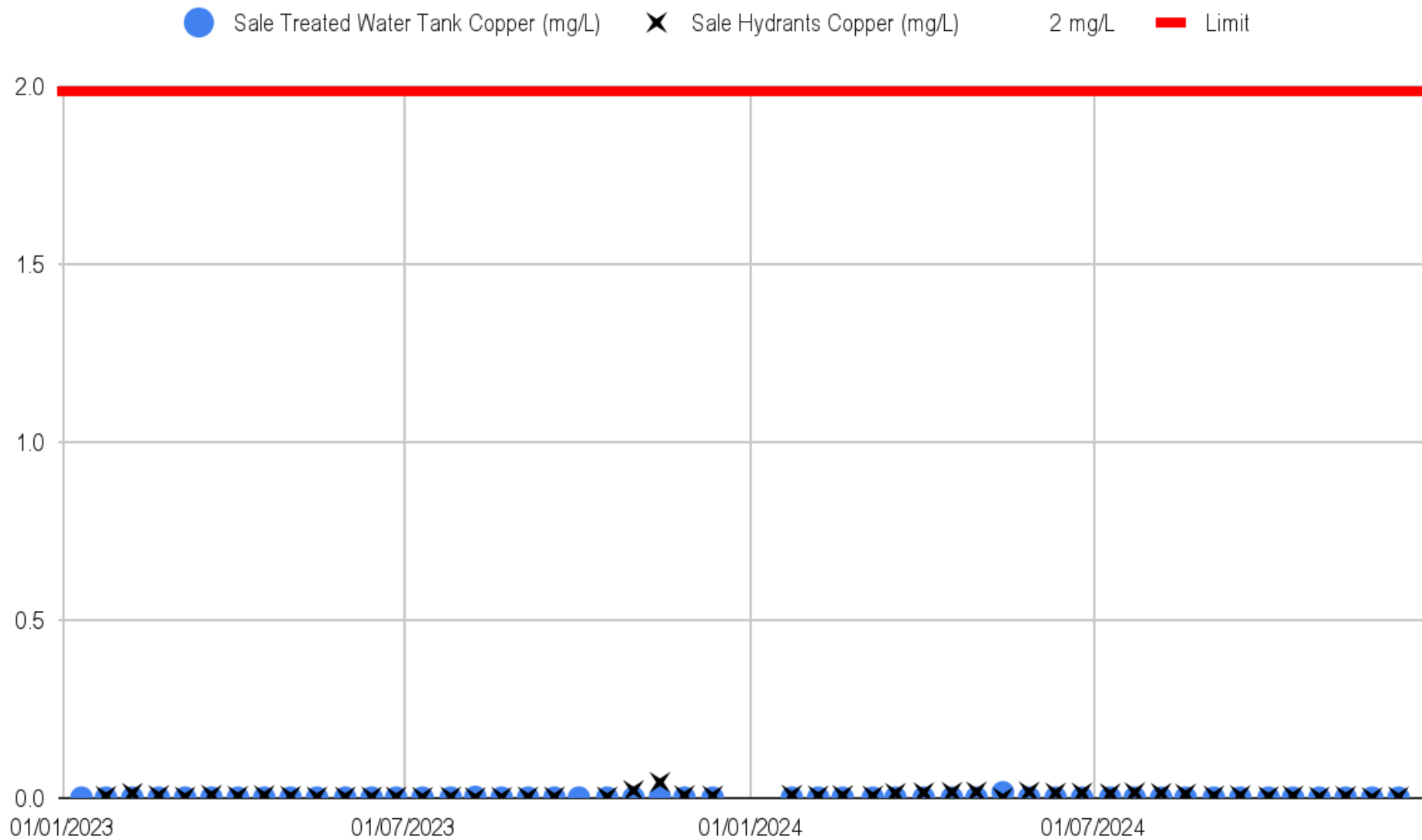


● Sale Treated Water Tank Coliforms (CFU/100mL) ✕ Sale Hydrants Coliforms (CFU/100mL) 1 CFU/100mL — Limit

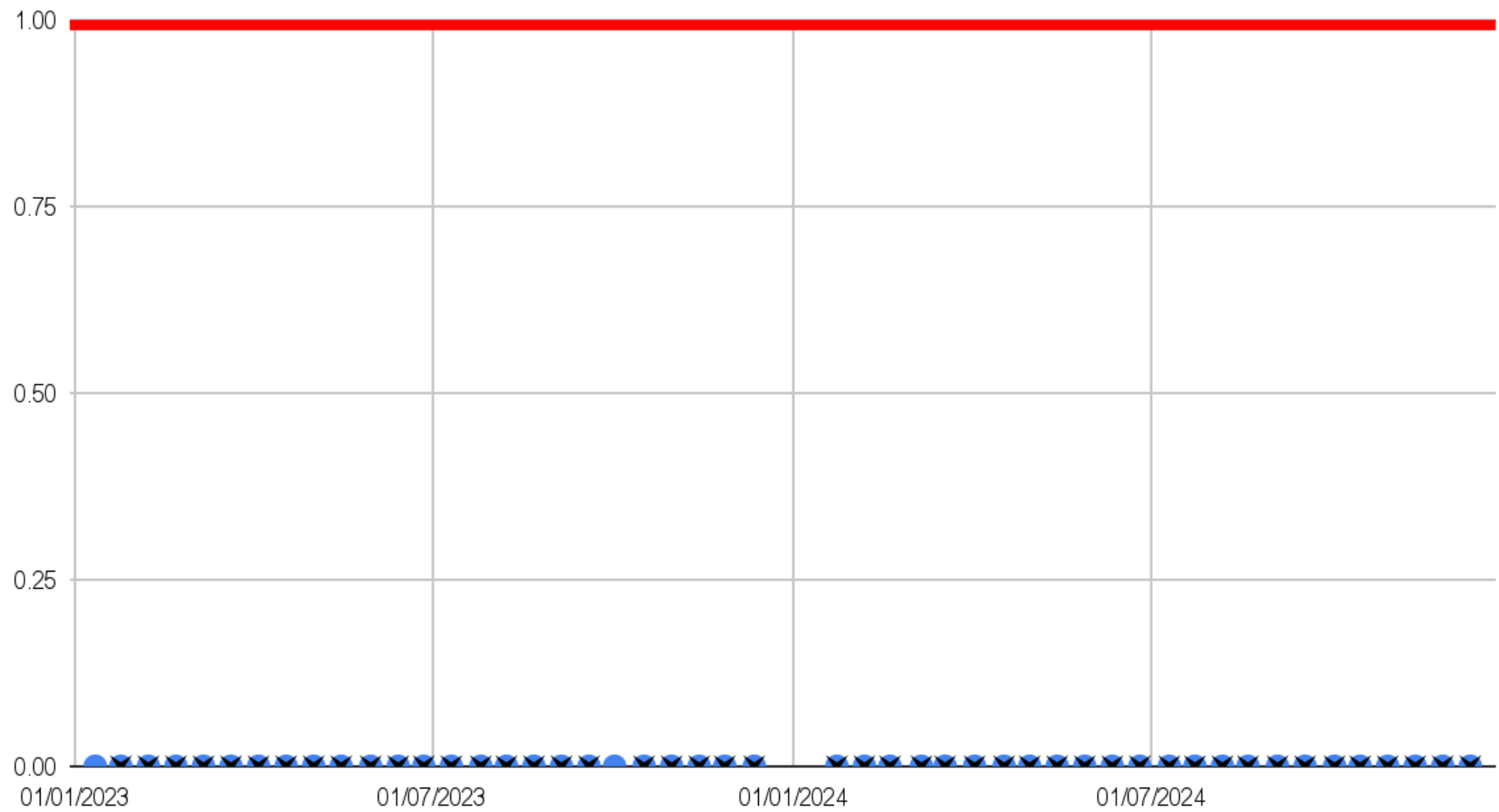


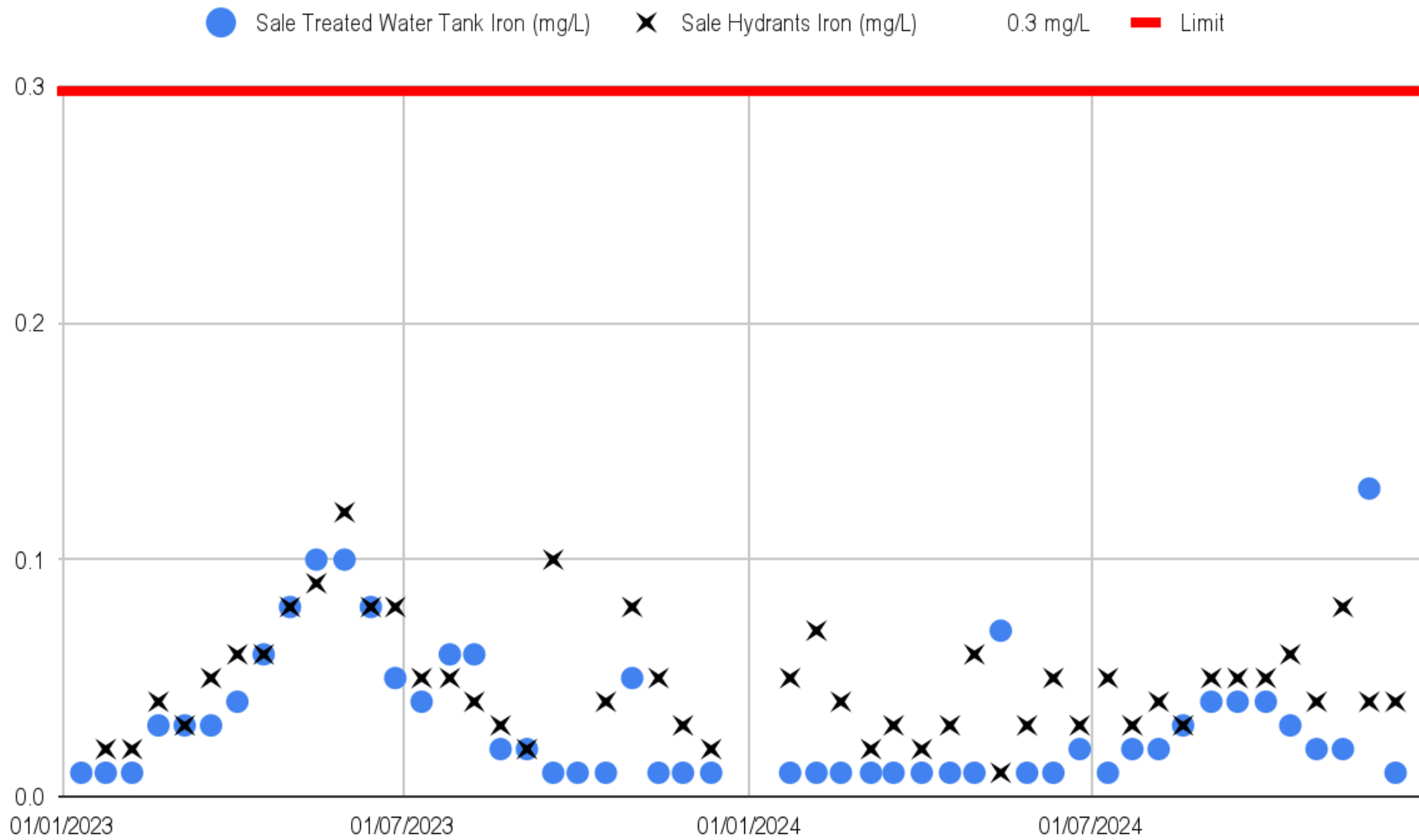
● Sale Treated Water Tank Colour (Pt/Co) ✕ Sale Hydrants Colour (Pt/Co) 15 Pt/Co — Limit



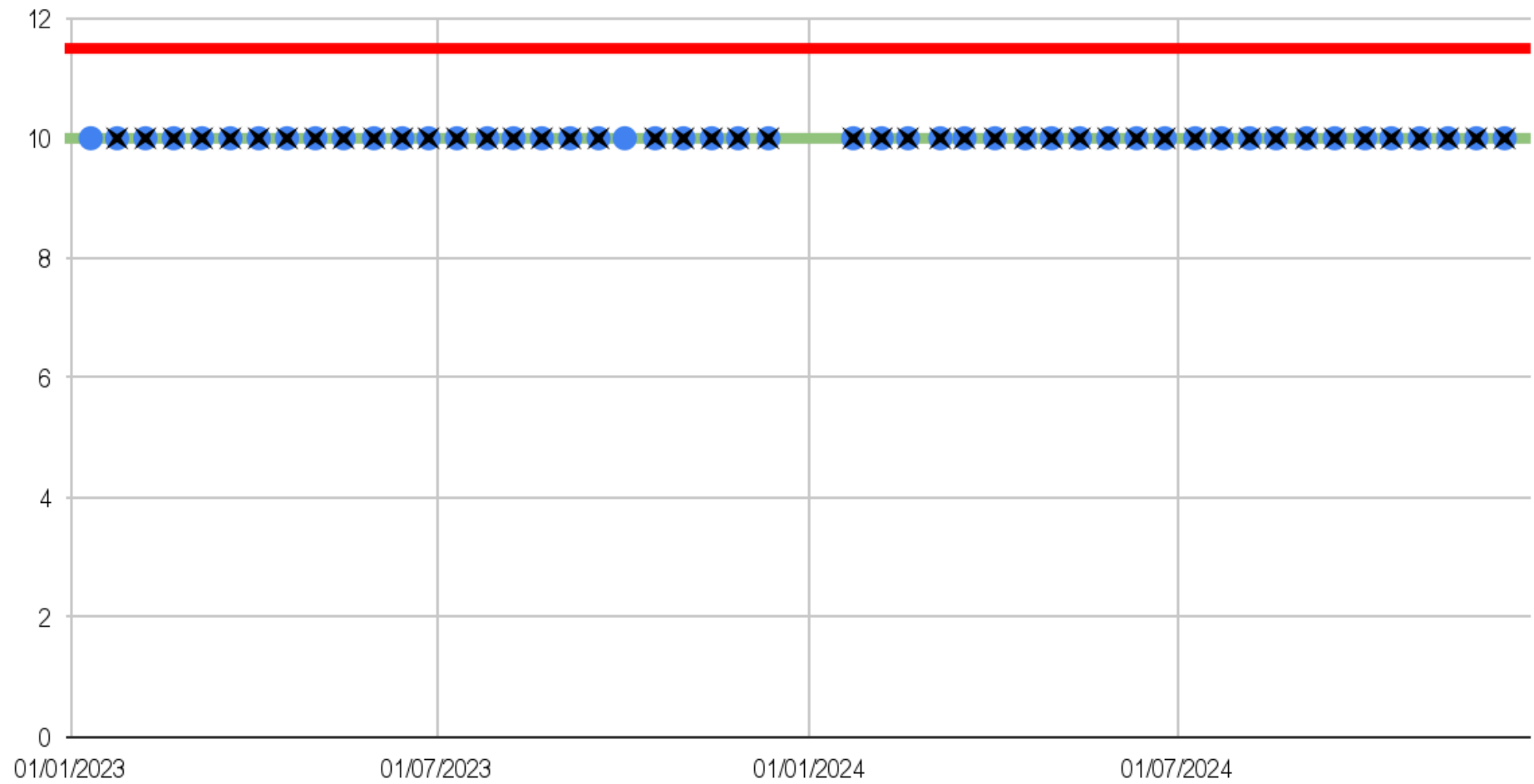


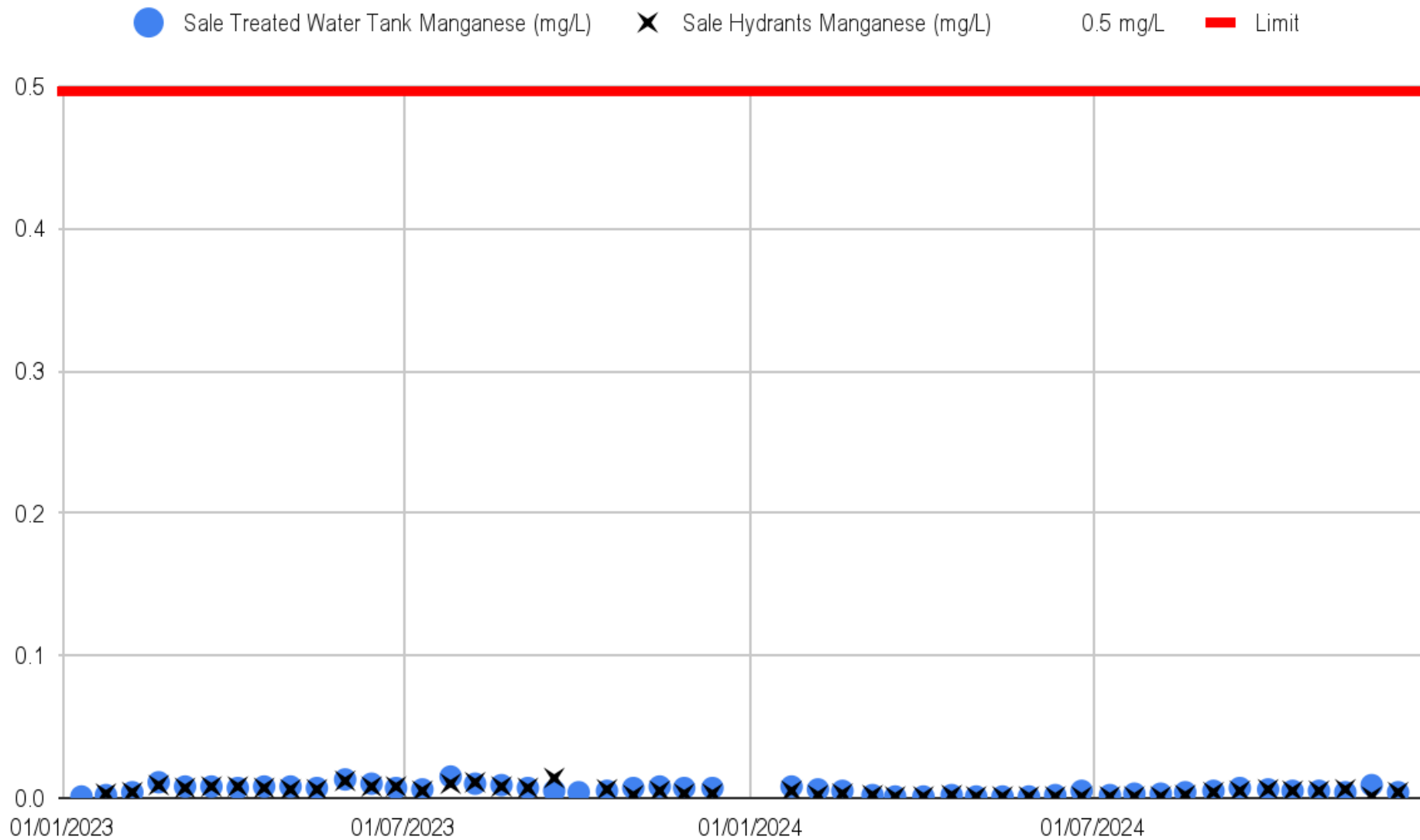
● Sale Treated Water Tank E.coli (CFU/100mL) ✕ Sale Hydrants E.coli (CFU/100mL) 1 CFU/100mL — Limit



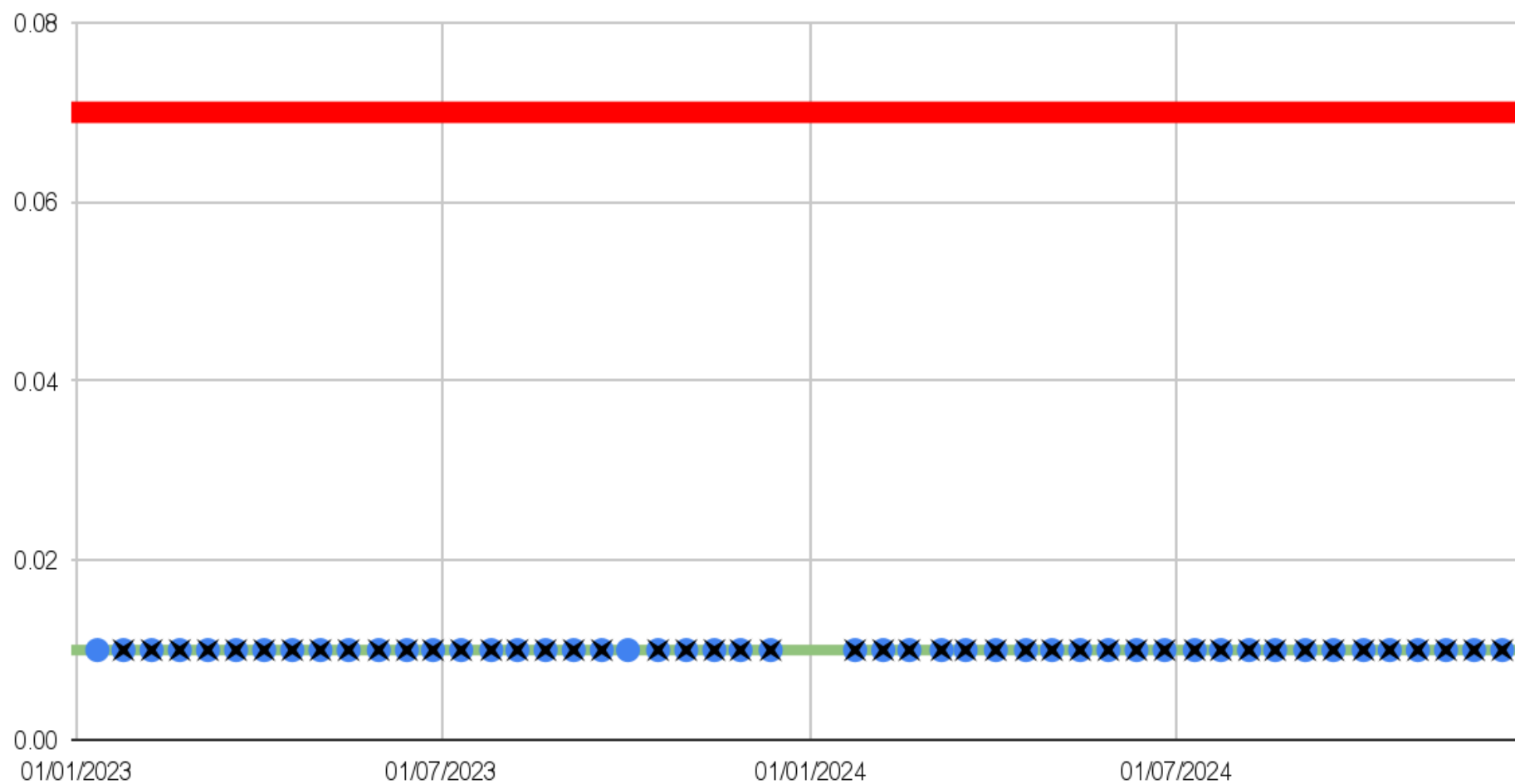


● Sale Treated Water Tank Total Legionella (CFU/mL) ✕ Sale Hydrants Total Legionella (CFU/mL) 10 CFU/mL ■ Limit
Non Detect Results ■

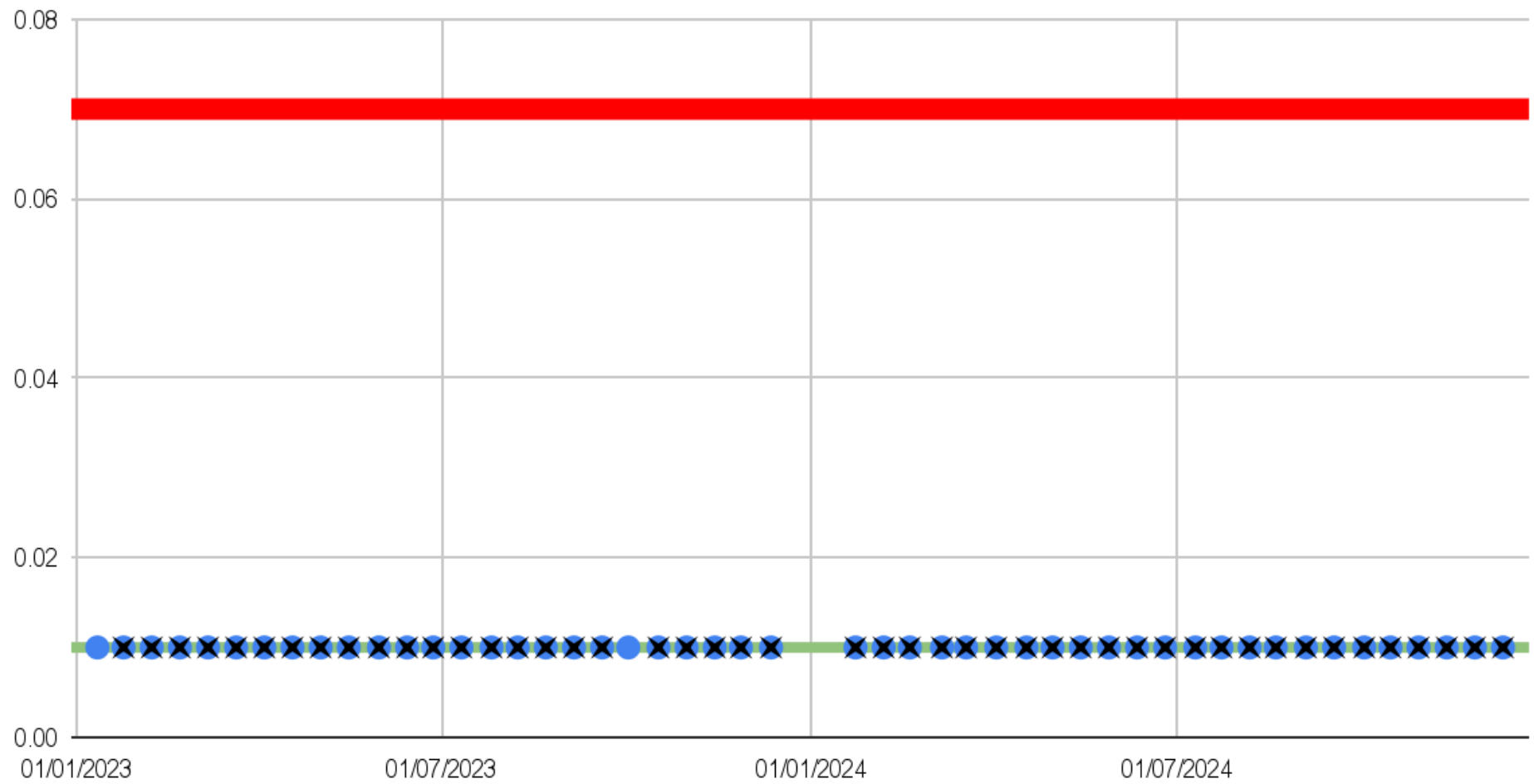




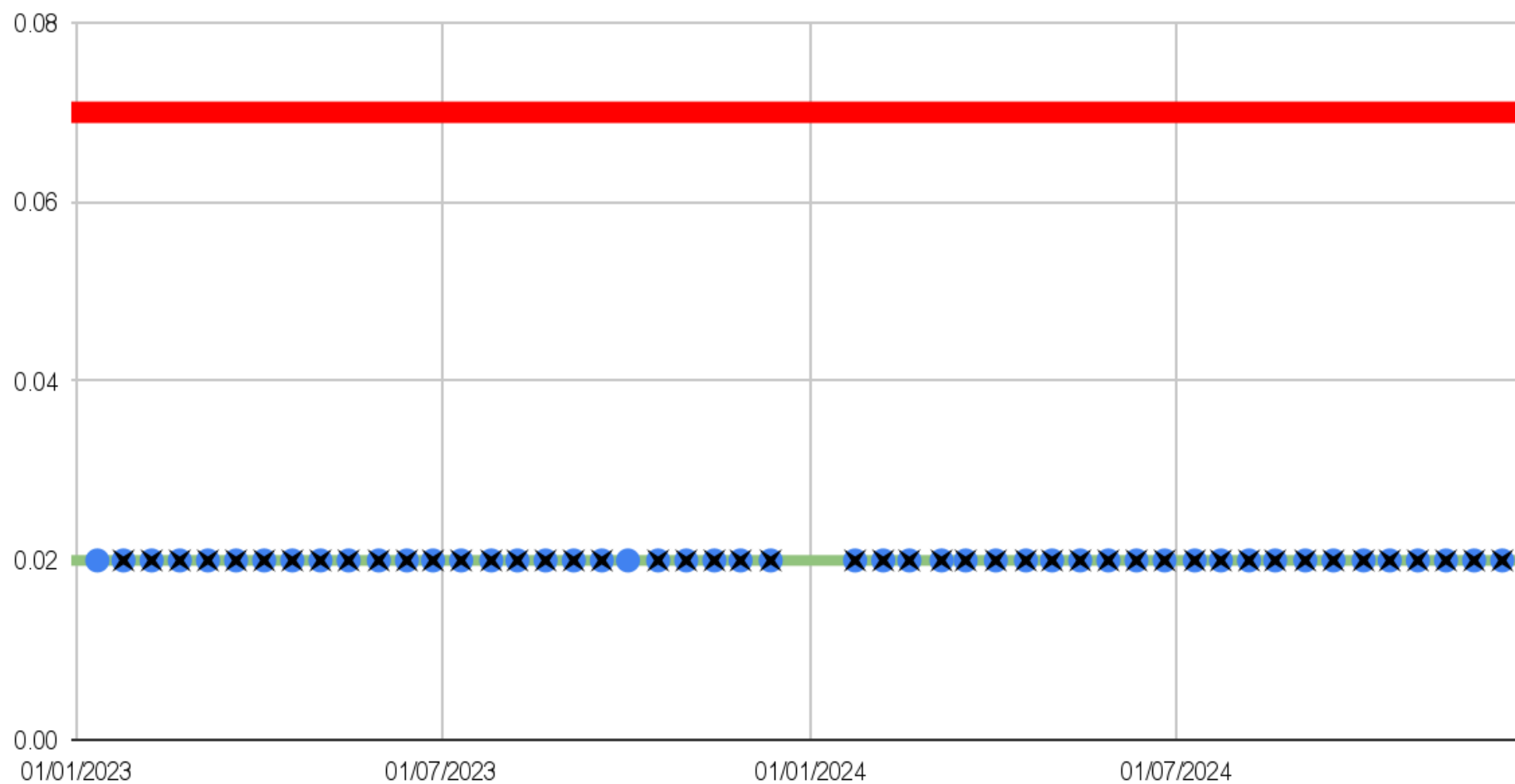
● Sale Treated Water Tank PFOA (µg/L) ✕ Sale Hydrants PFOA (µg/L) PFOA + PFOS 0.07 µg/L — Limit
Non Detect Results —

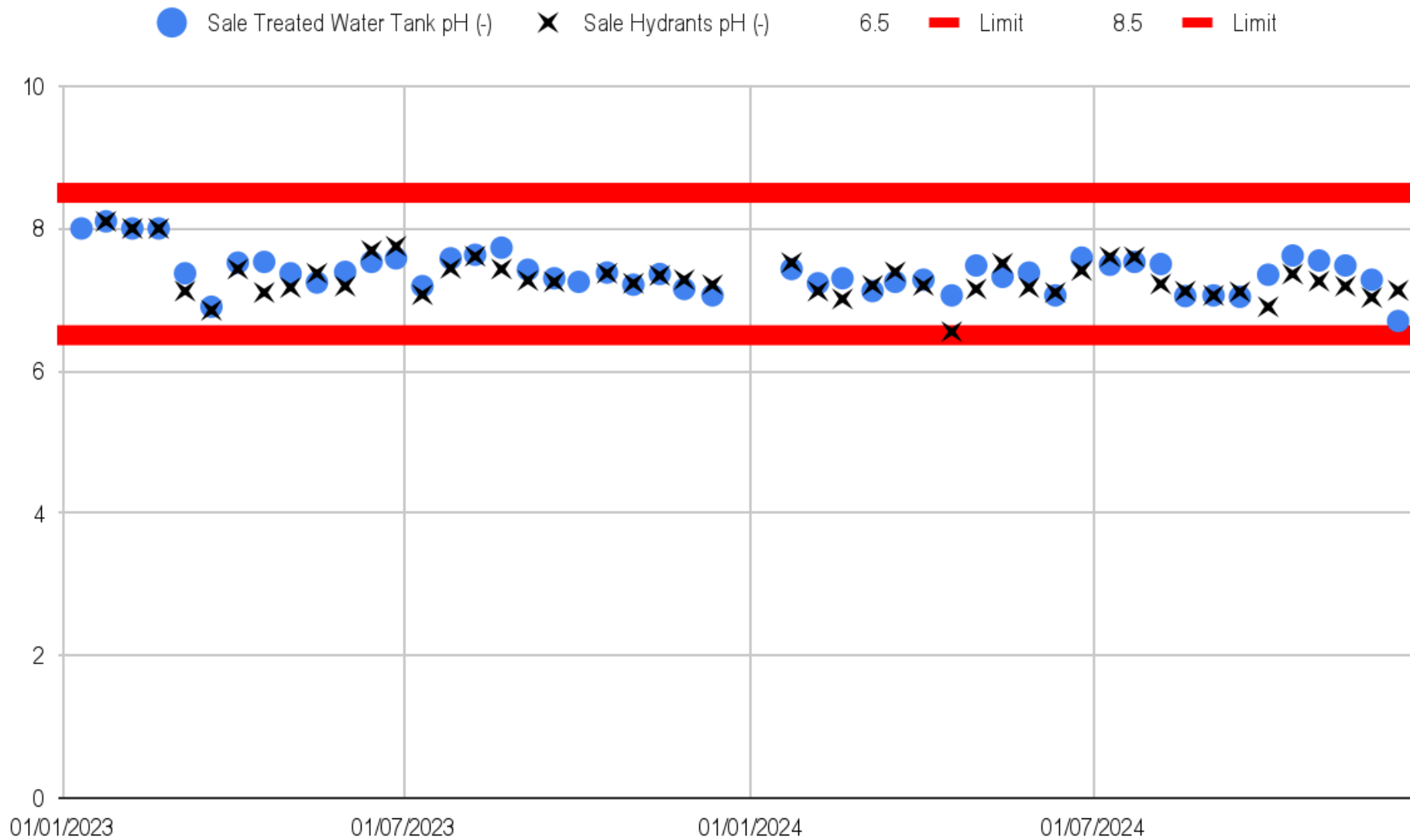


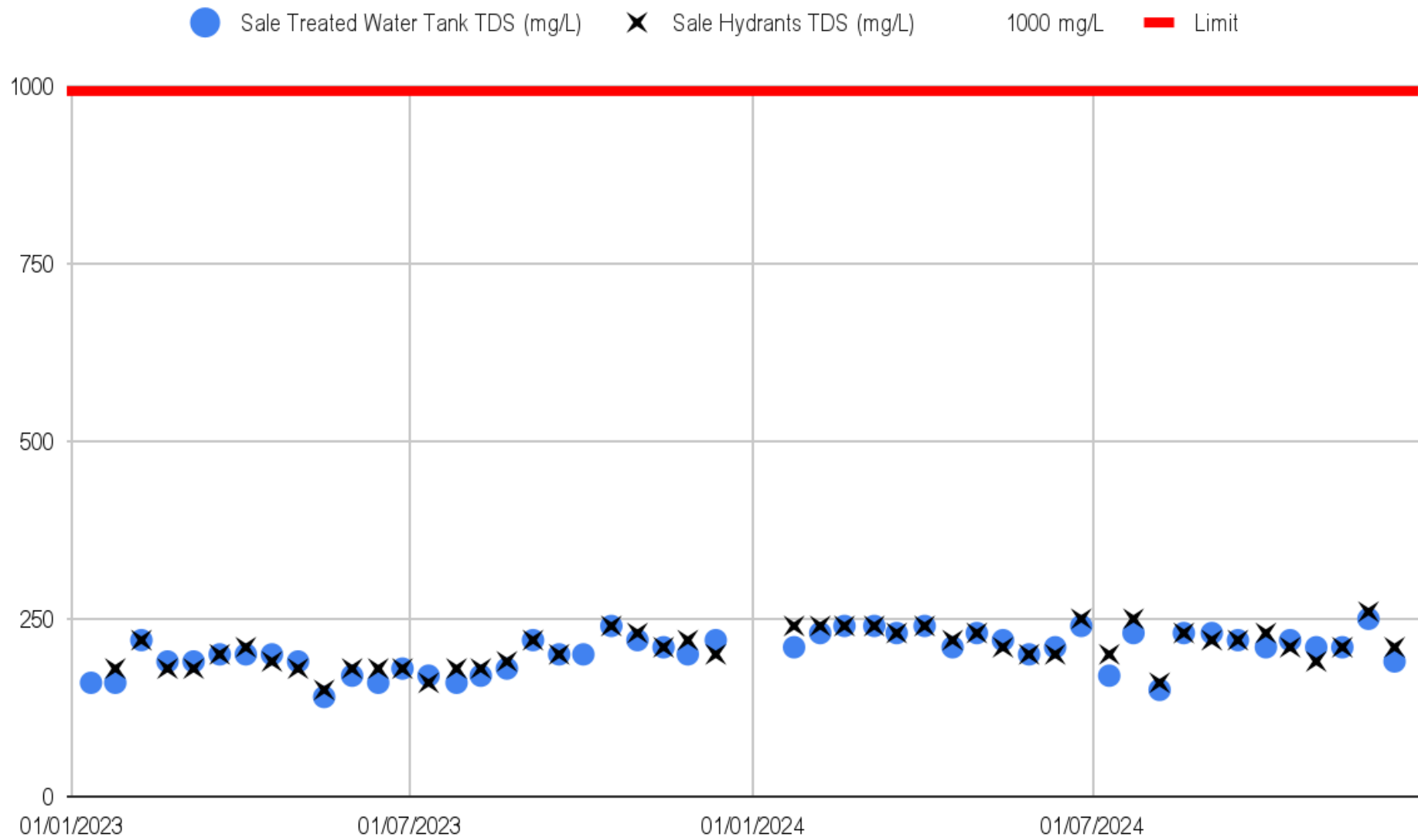
● Sale Treated Water Tank PFOS (µg/L) ✕ Sale Hydrants PFOS (µg/L) PFOA + PFOS 0.07 µg/L — Limit
Non Detect Results —



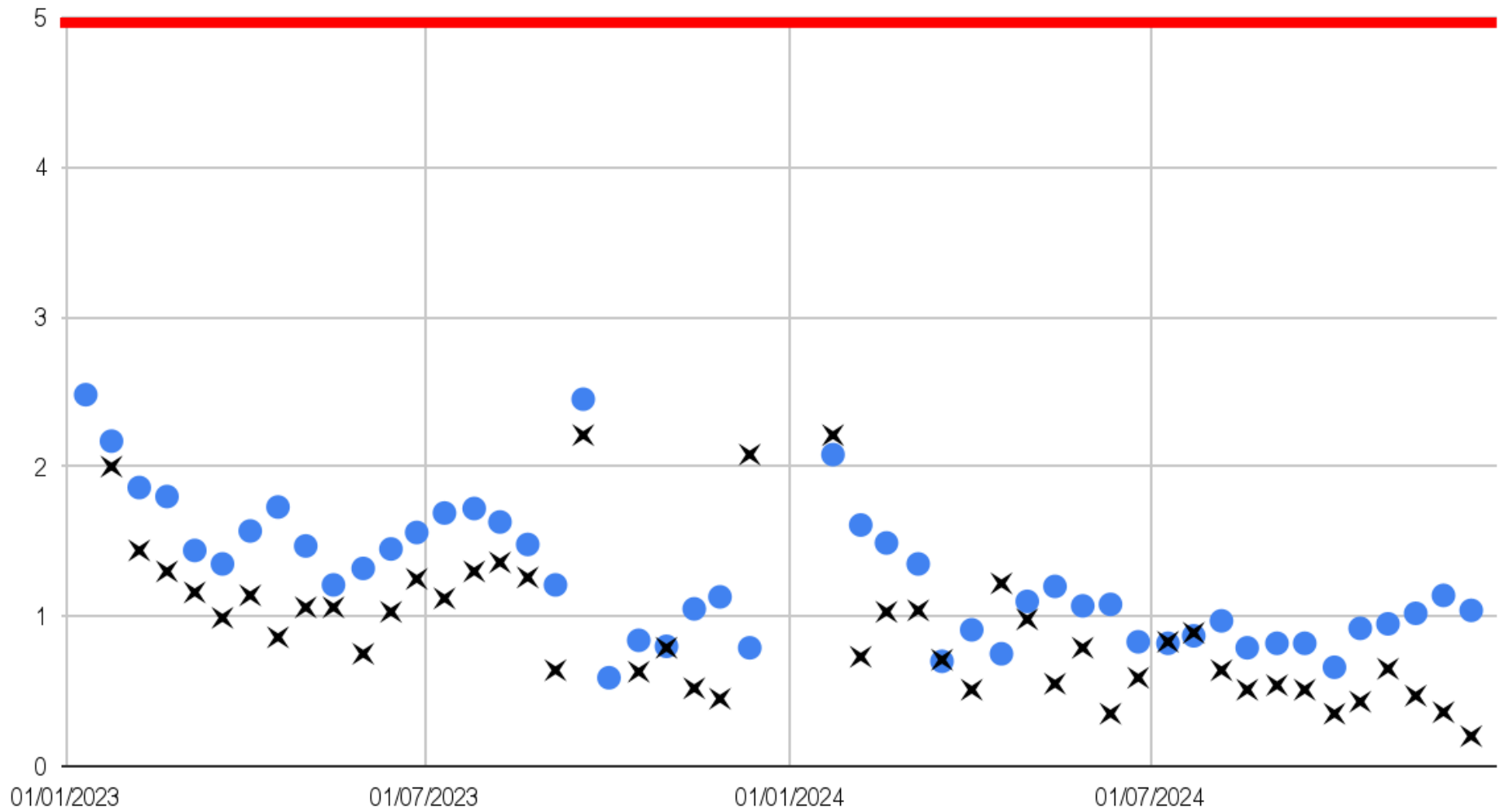
● Sale Treated Water Tank PFHxS (µg/L) ✕ Sale Hydrants PFHxS (µg/L) PFOS + PFHxS µg/L ■ Limit
Non Detect Results ■

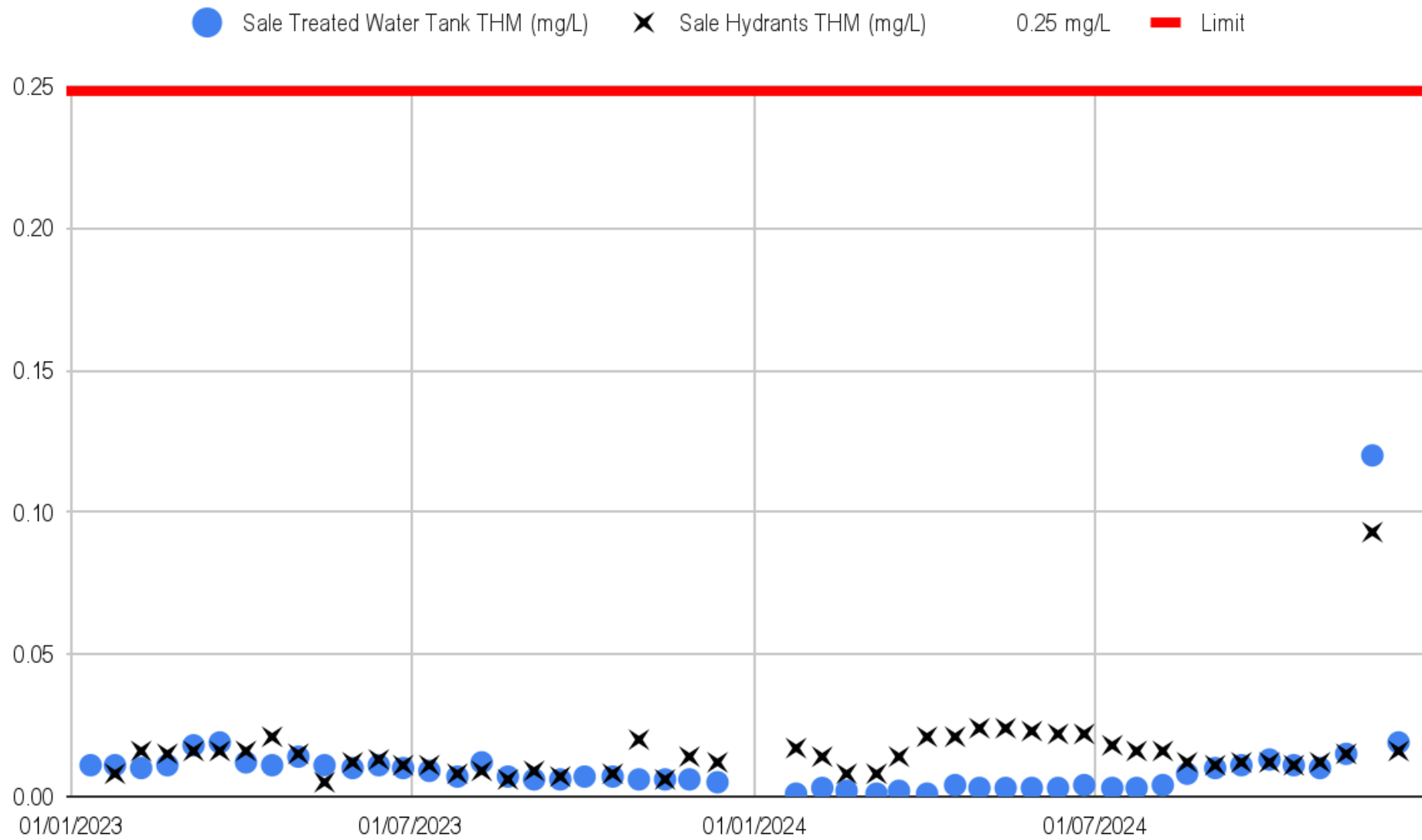


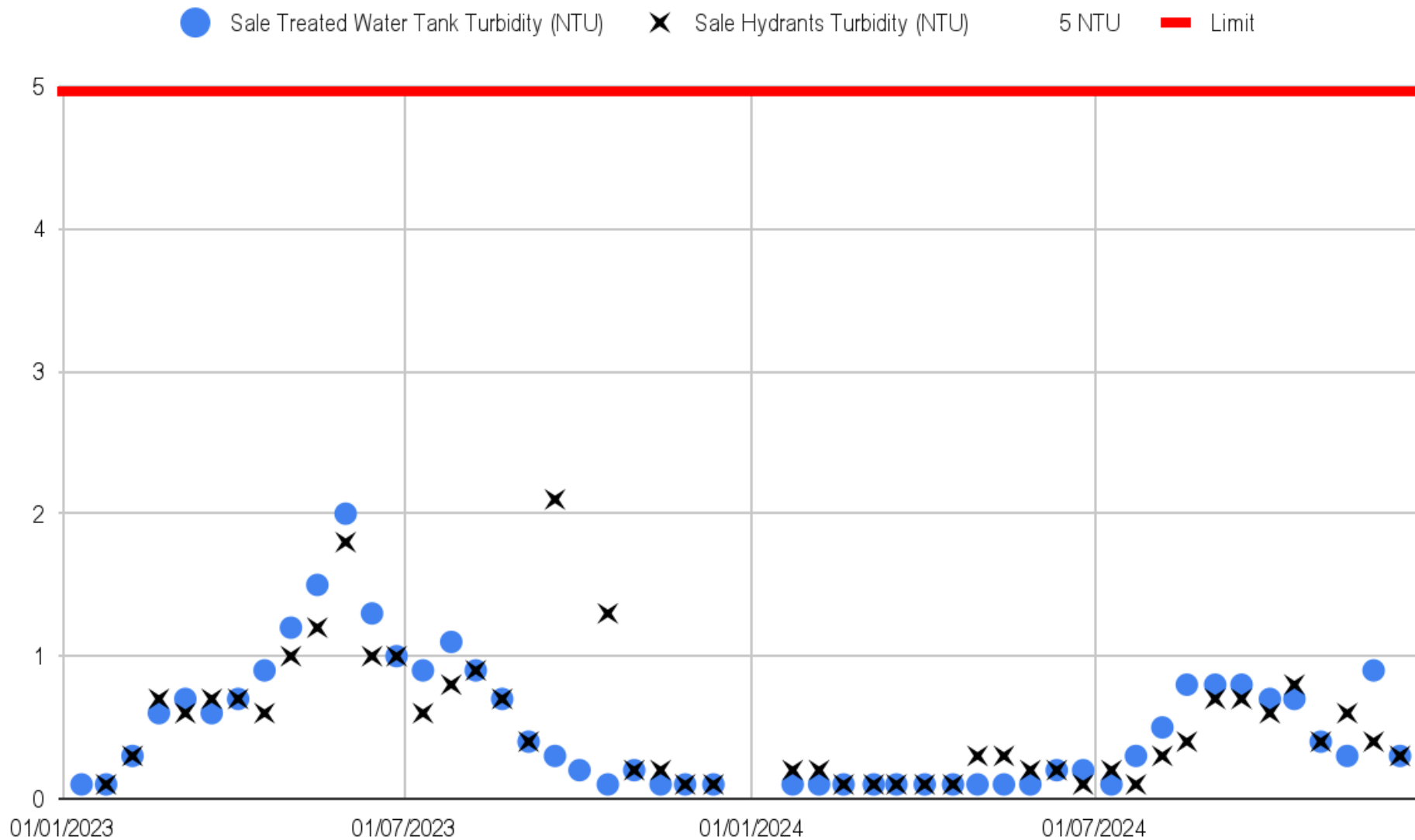


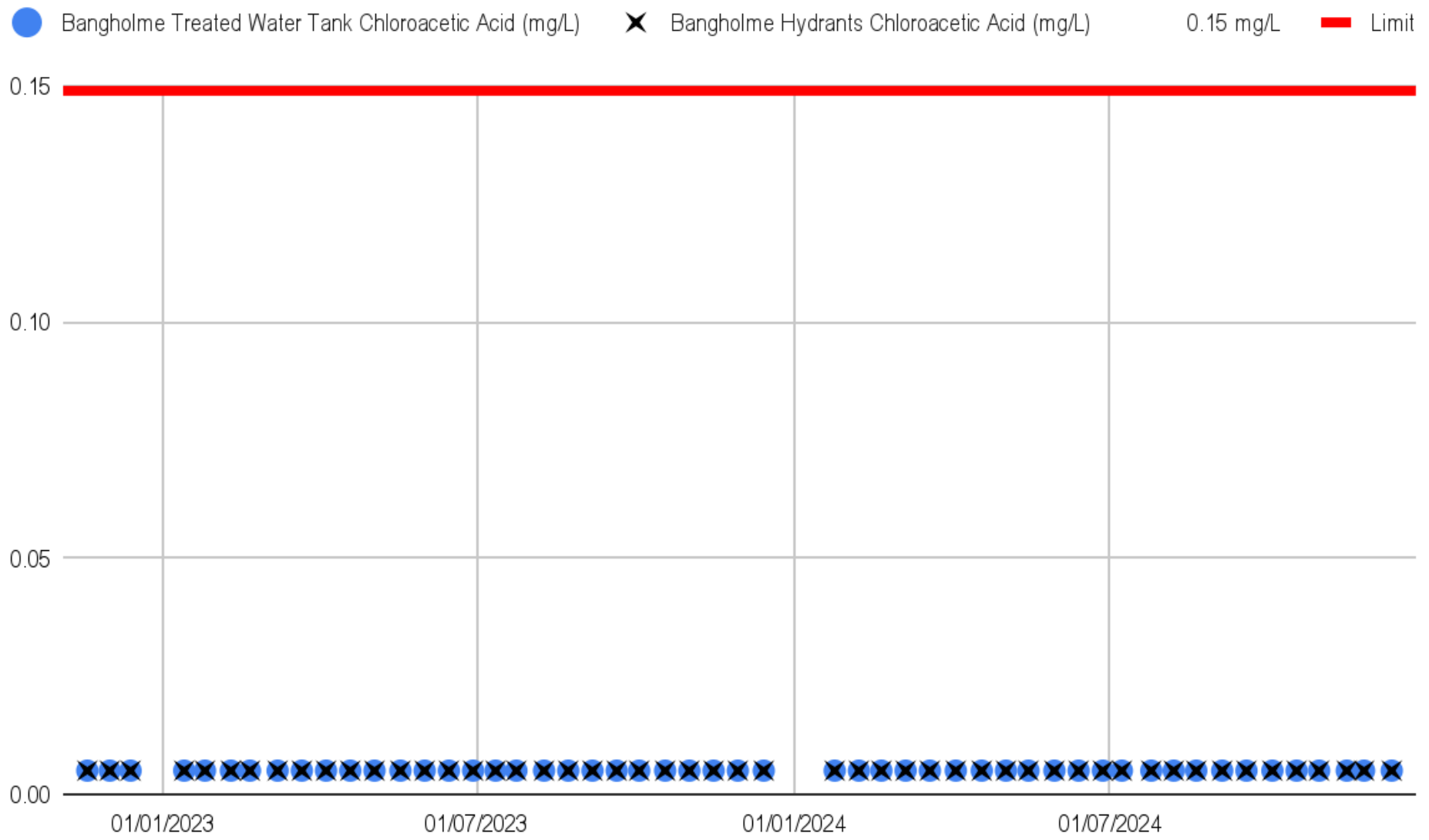


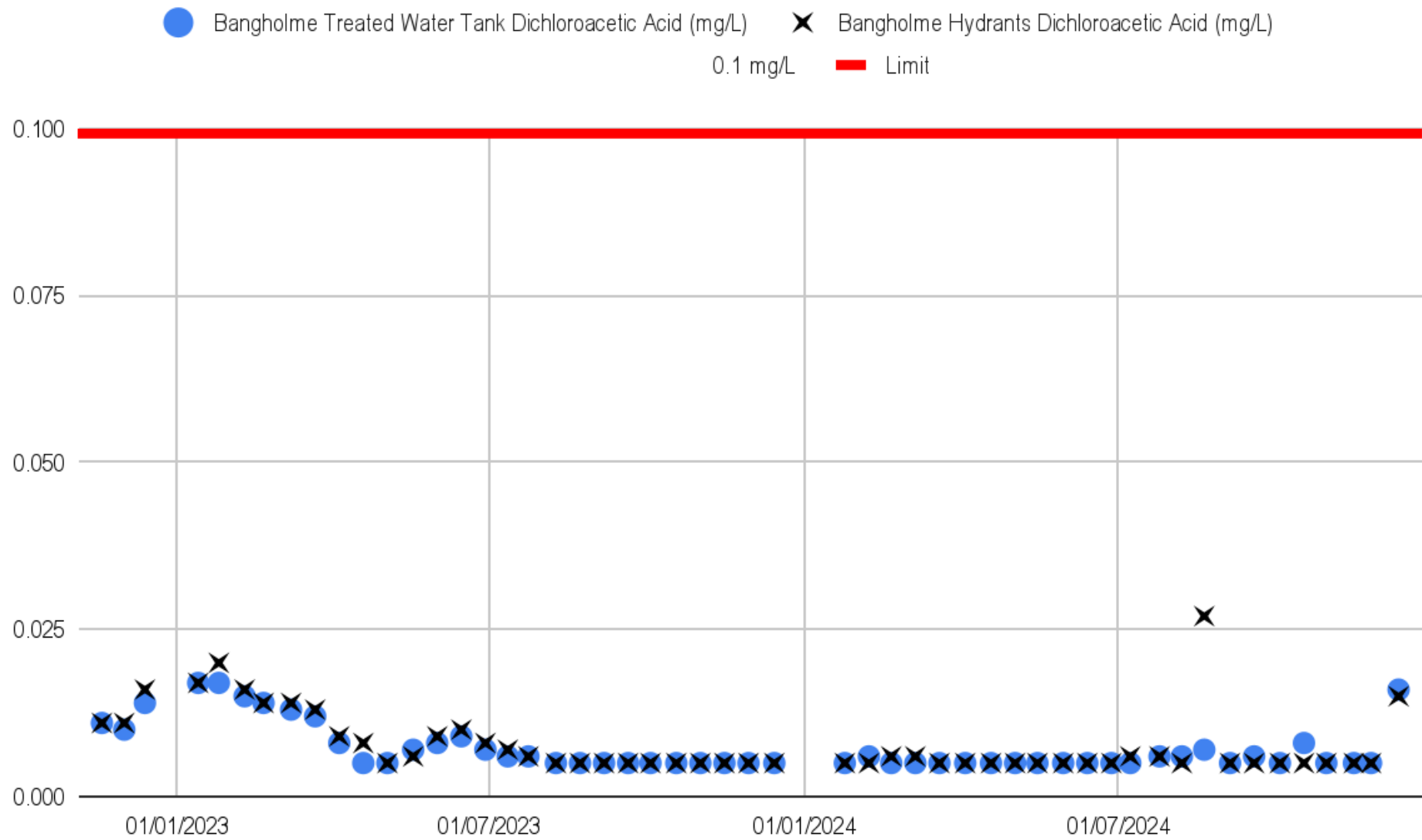
● Sale Treated Water Tank Total Chlorine (mg/L) ✕ Sale Hydrants Total Chlorine (mg/L) 5 mg/L — Limit

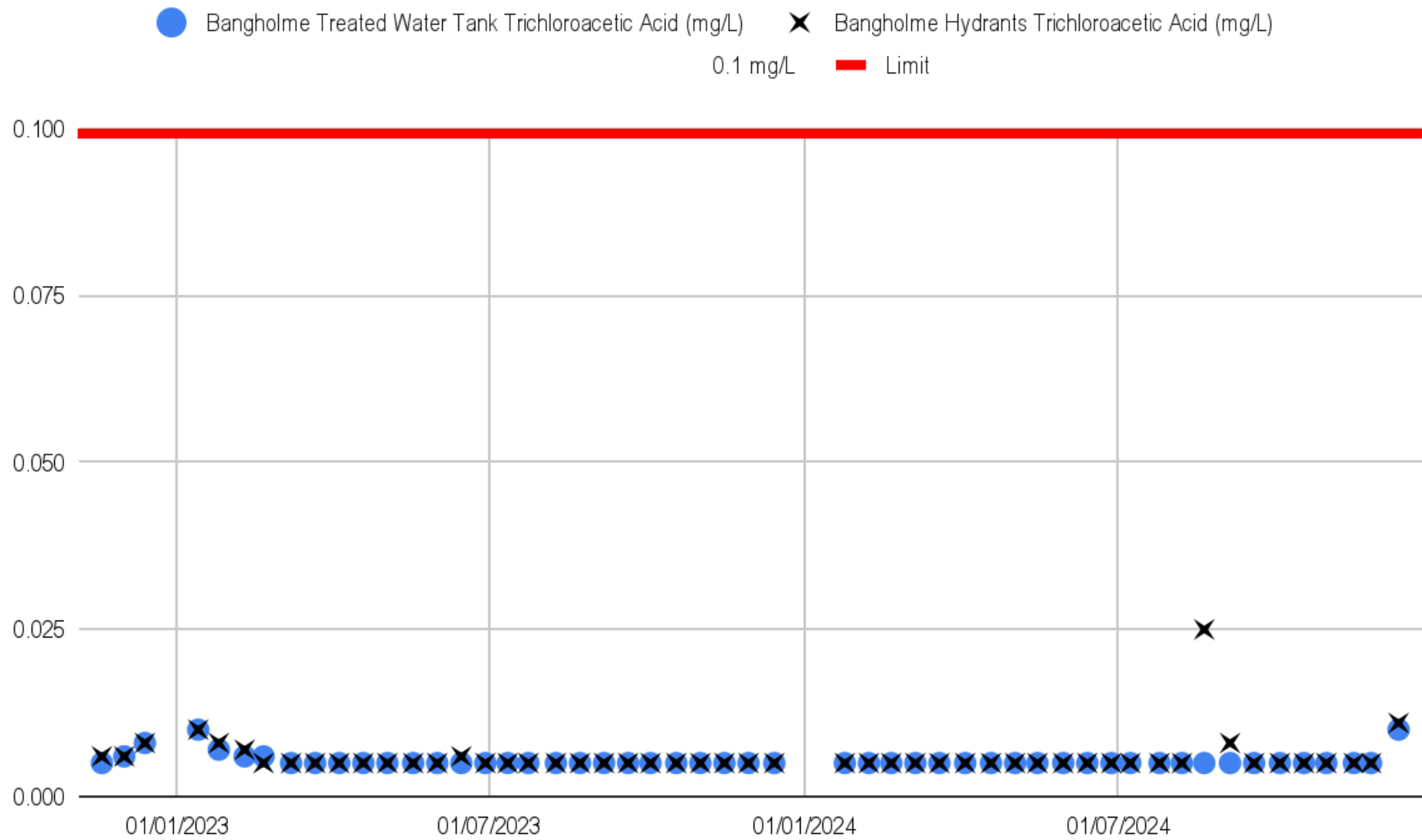


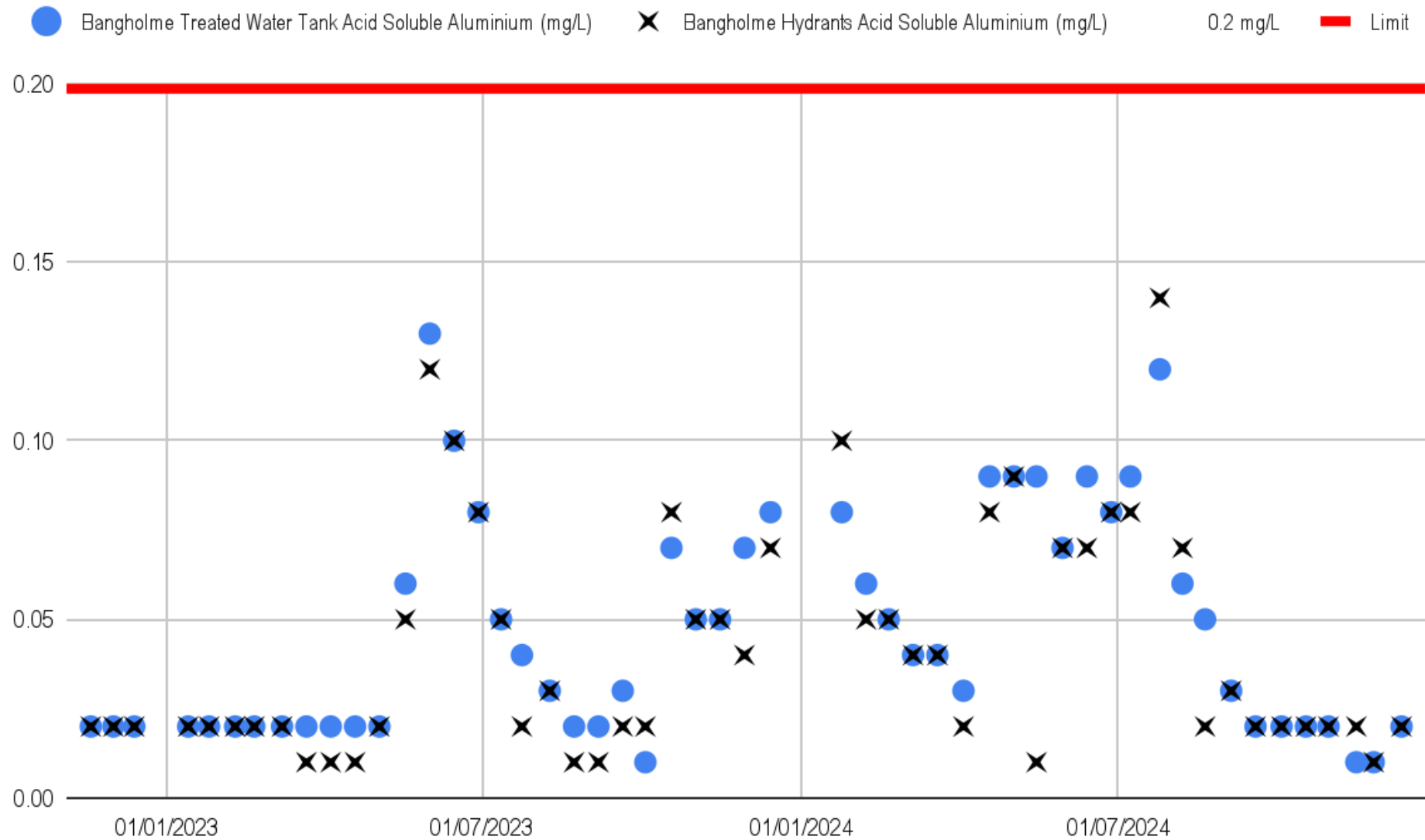


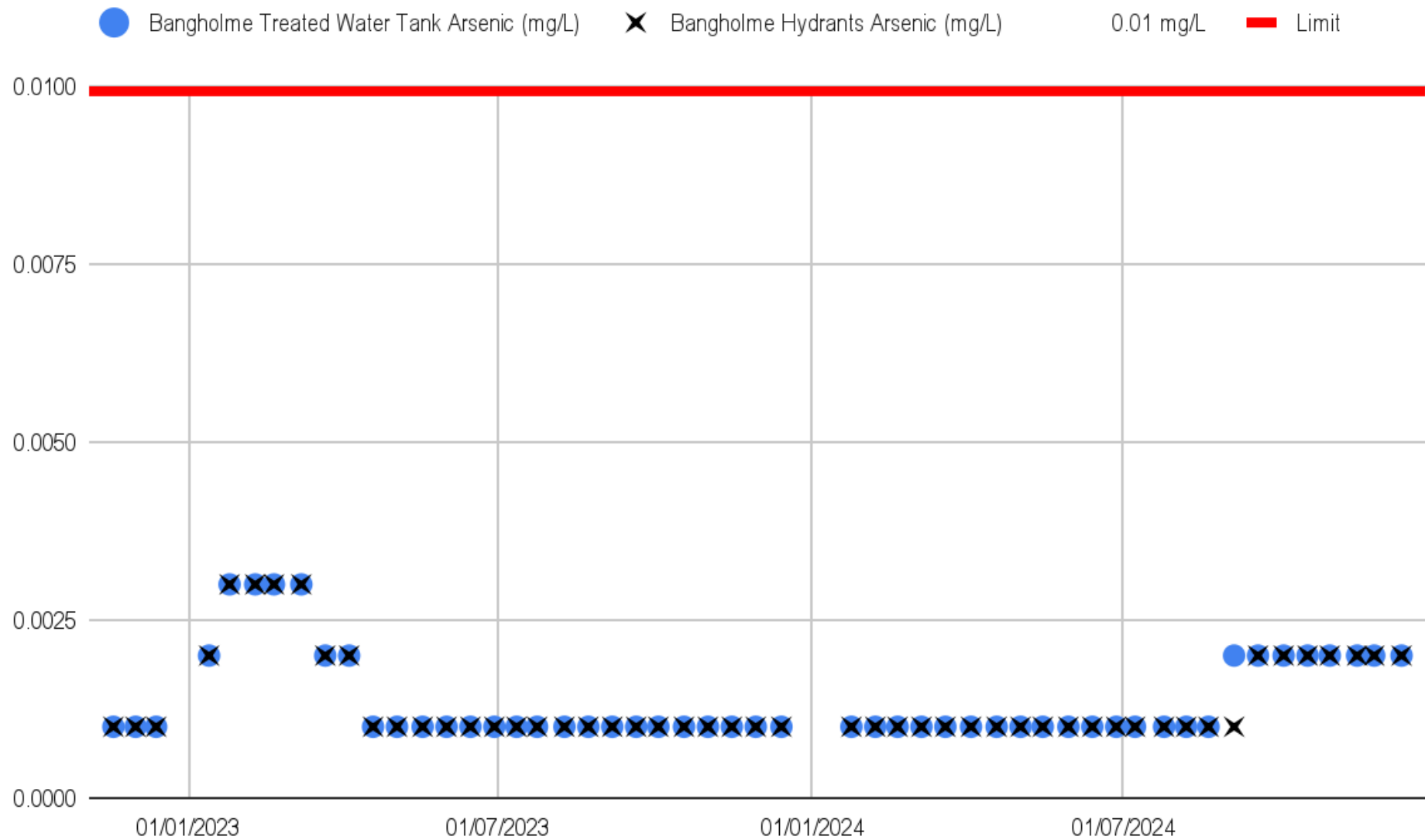




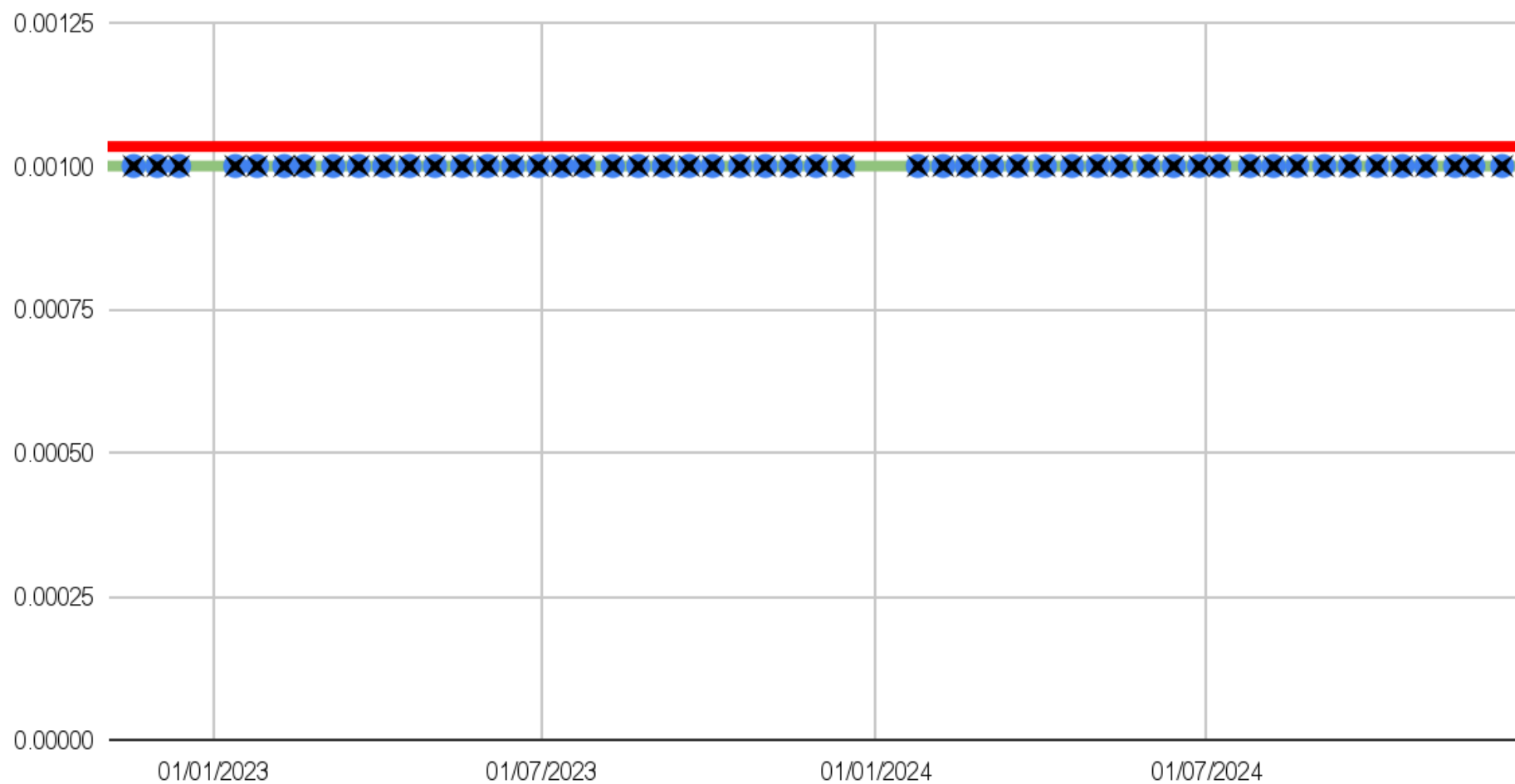


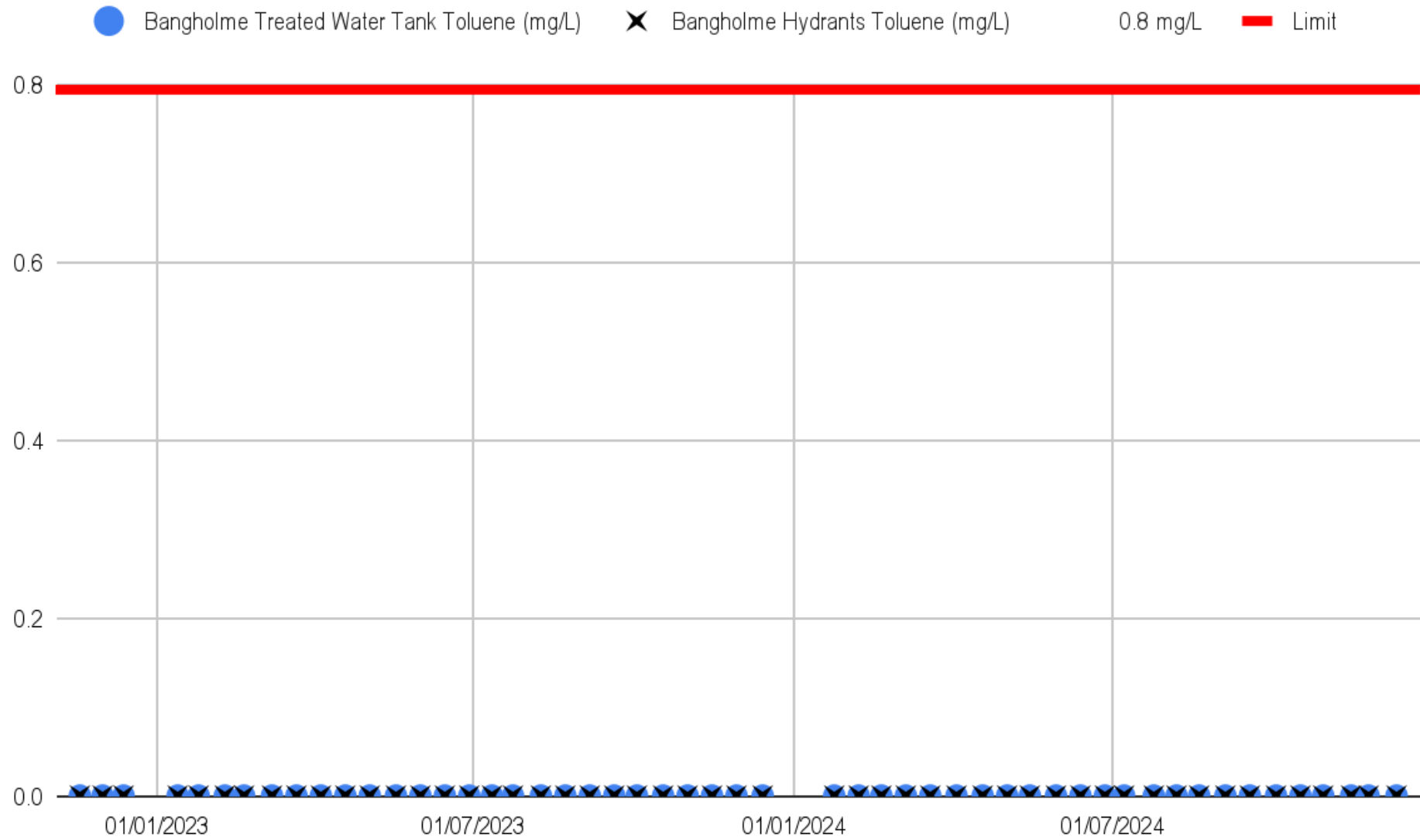


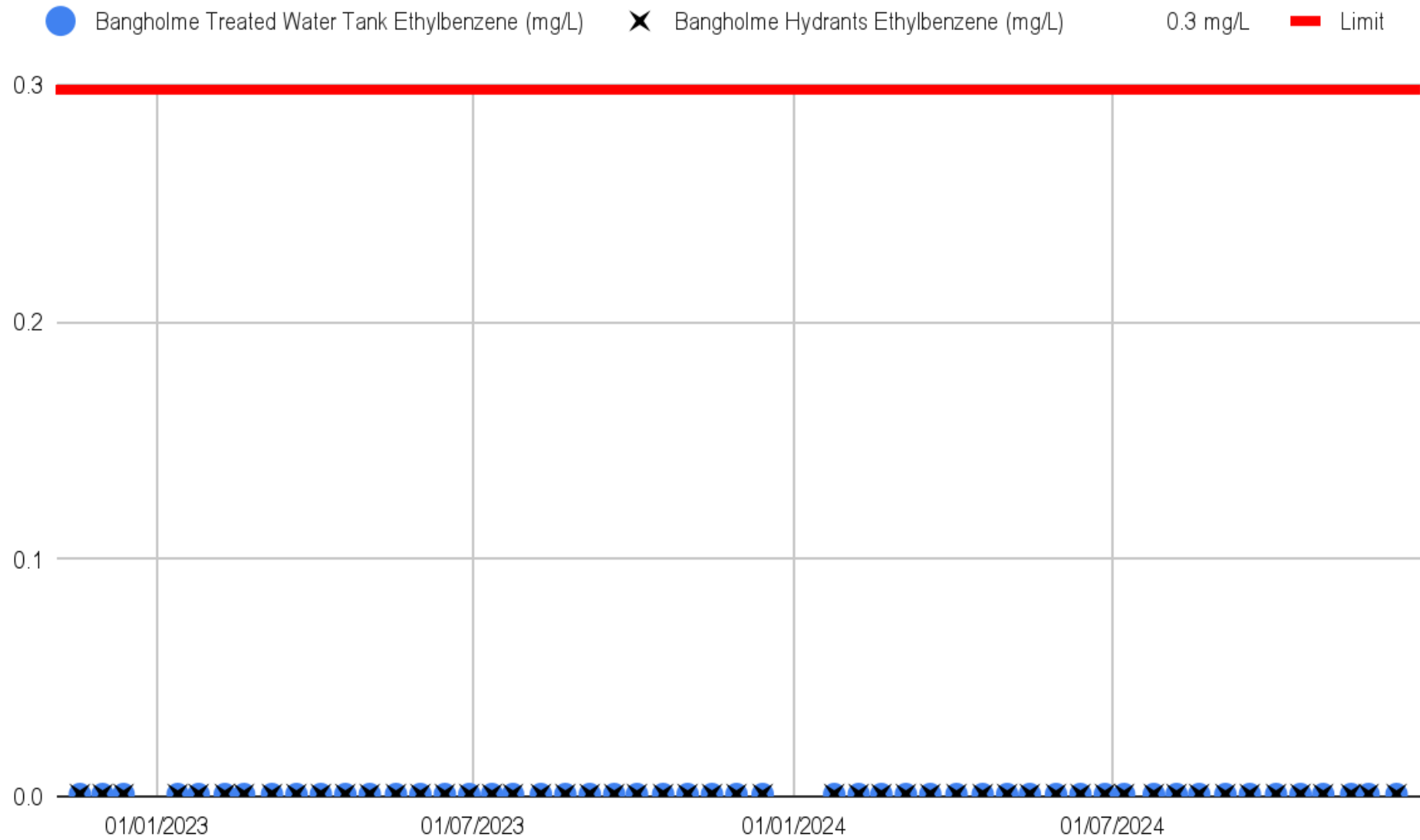


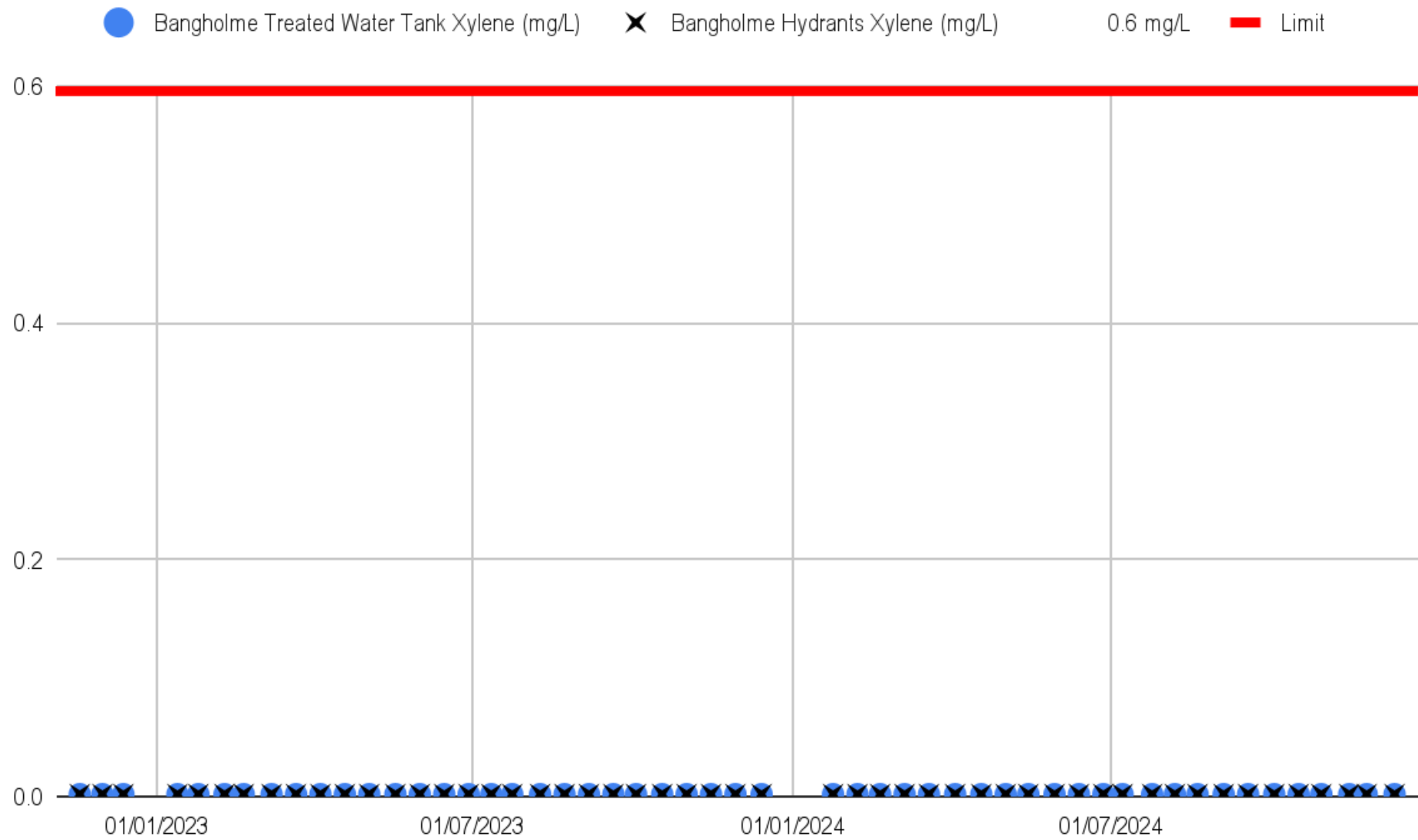


● Bangholme Treated Water Tank Benzene (mg/L) ✕ Bangholme Hydrants Benzene (mg/L) 0.001 mg/L ■ Limit
Non Detect Results ■











Bangholme Treated Water Tank Coliforms (CFU/100mL)

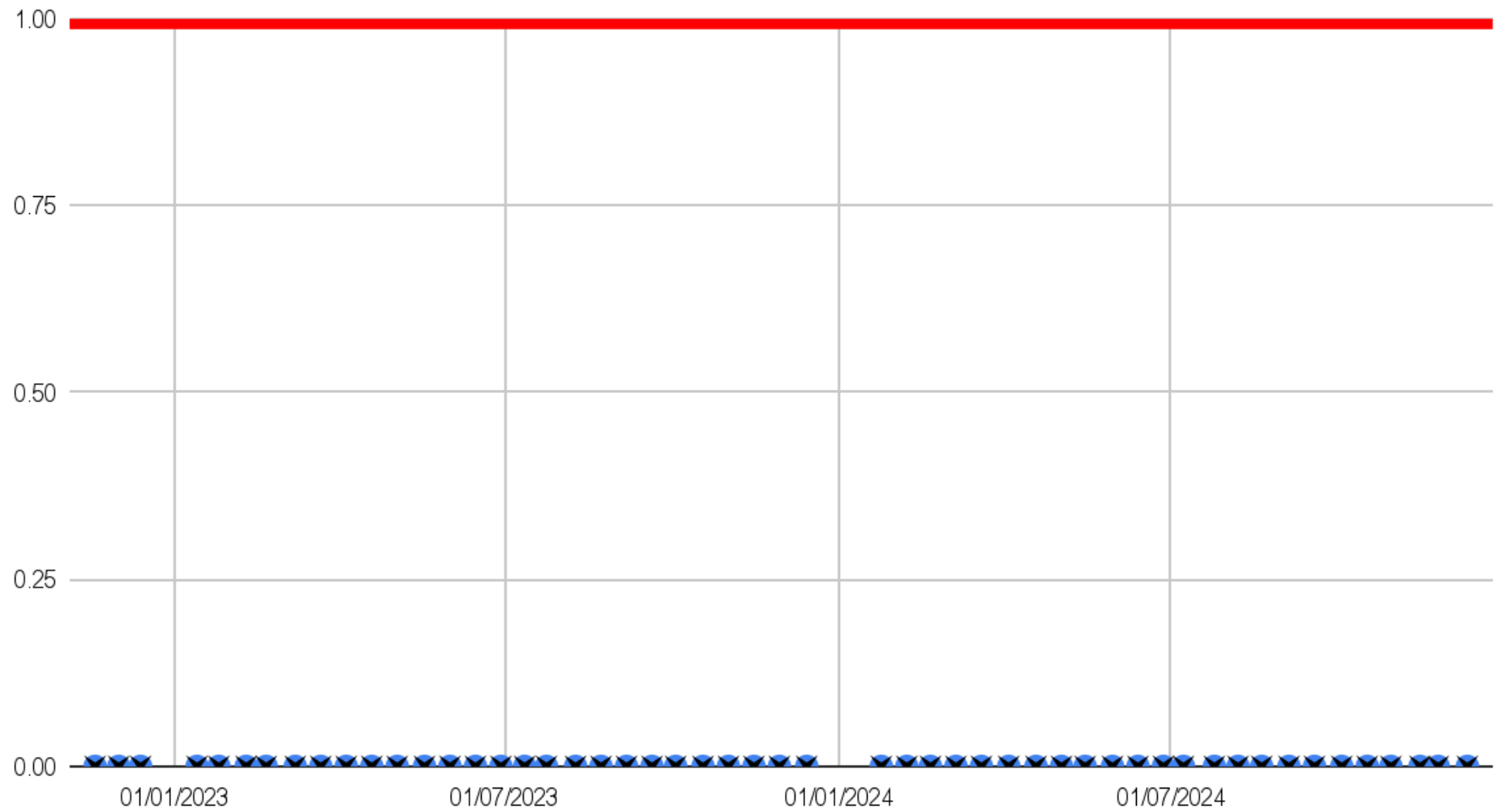


Bangholme Hydrants Coliforms (CFU/100mL)

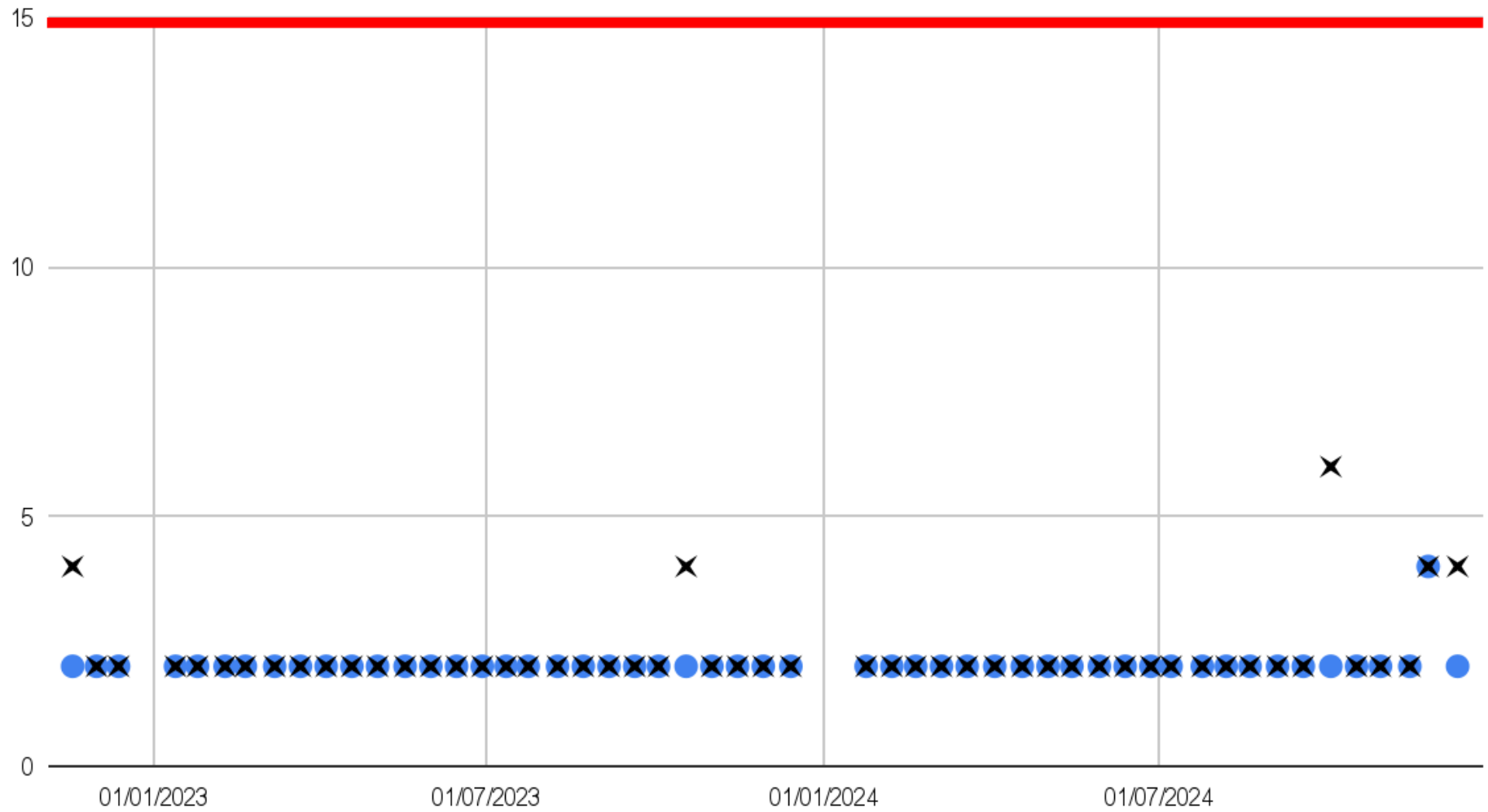
1 CFU/100mL

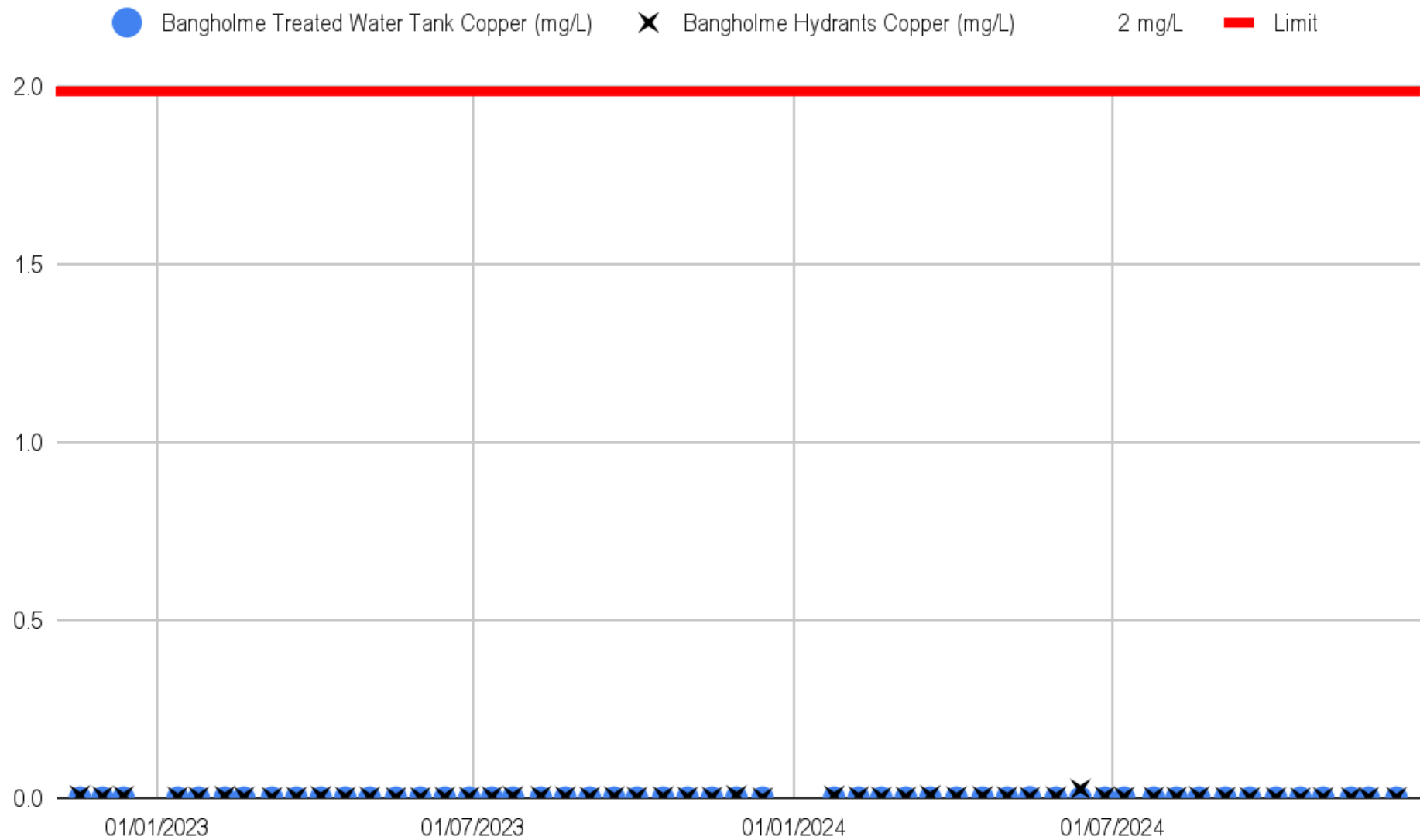


Limit



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







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

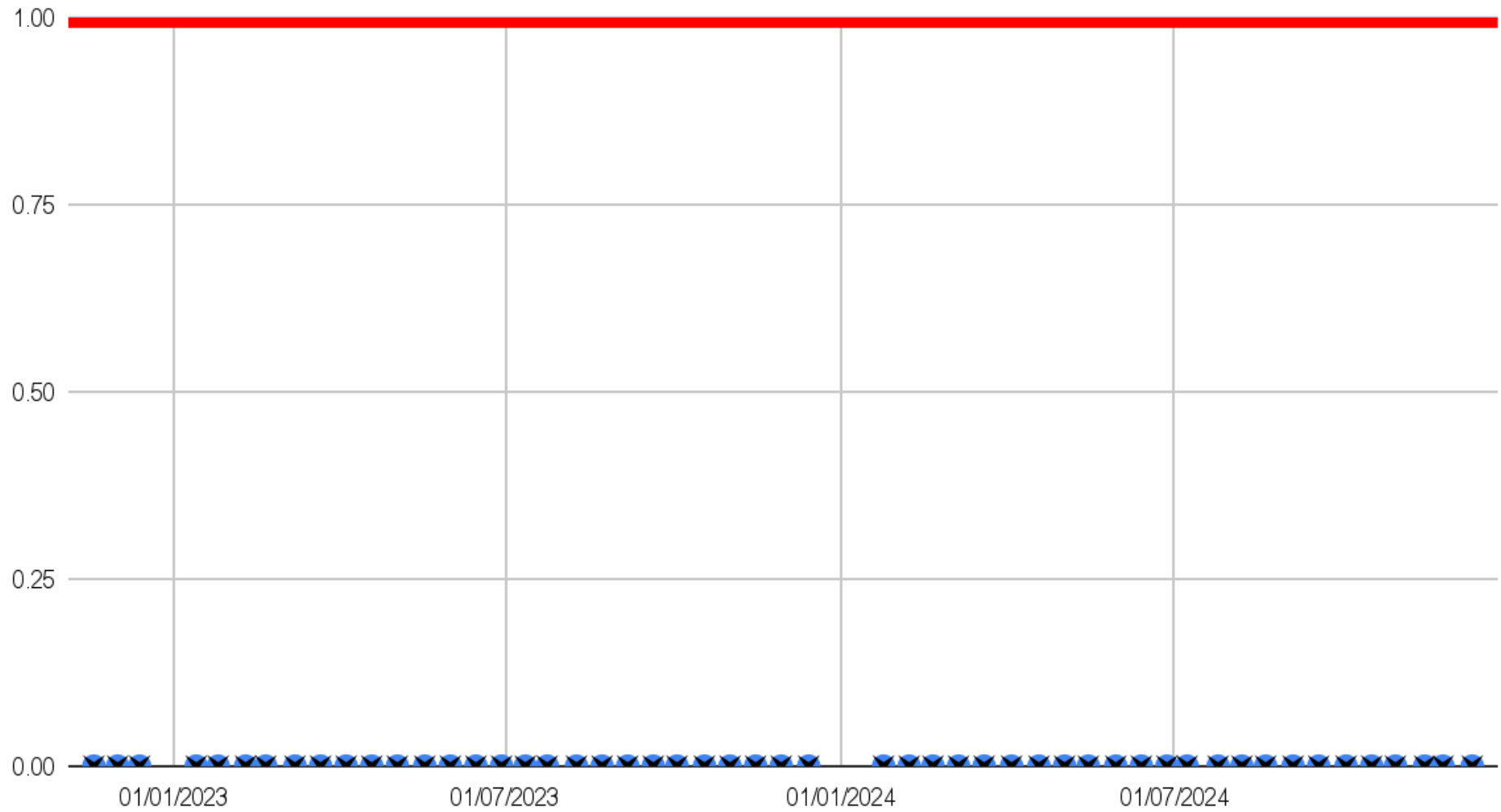


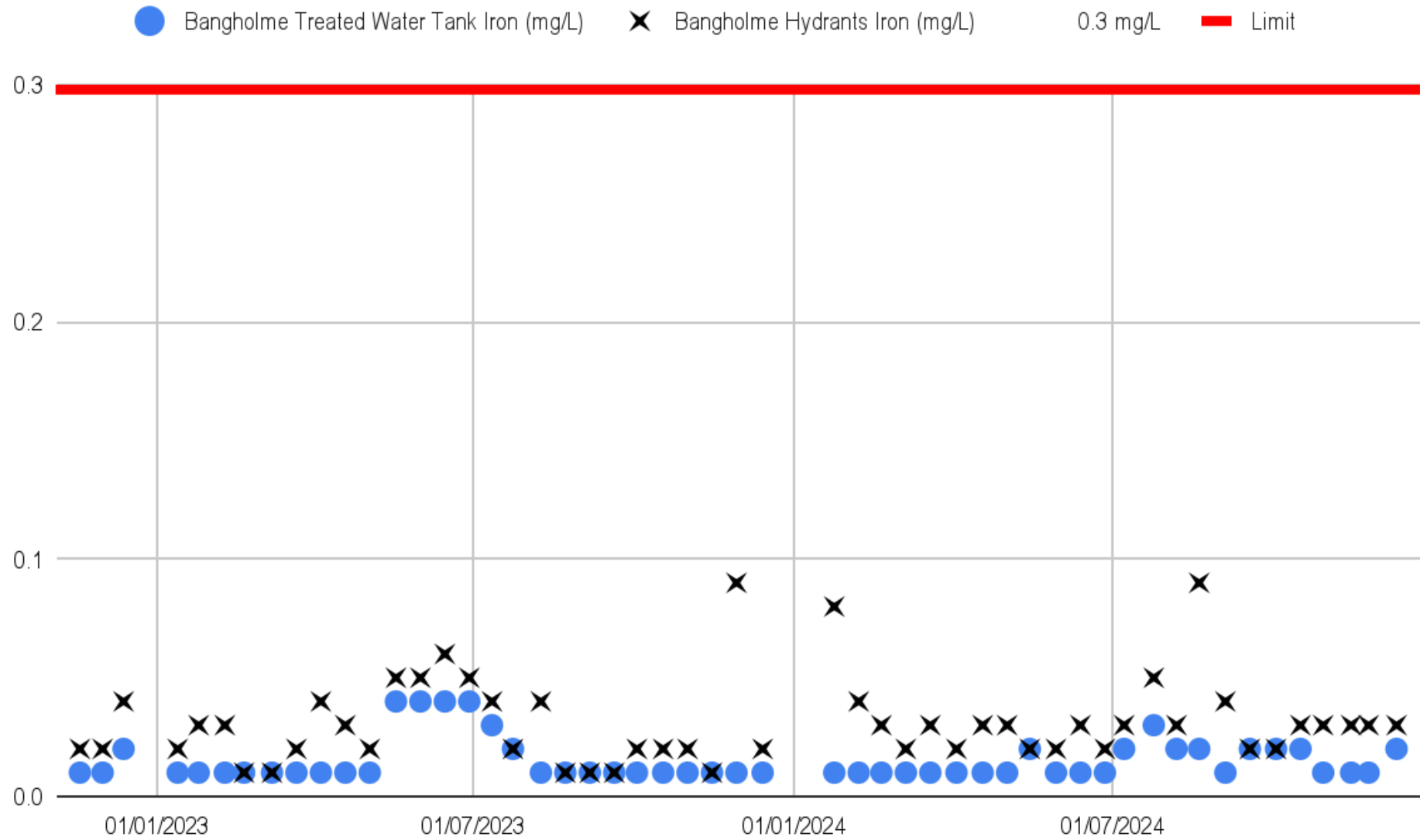
Bangholme Hydrants E.coli (CFU/100mL)

1 CFU/100mL

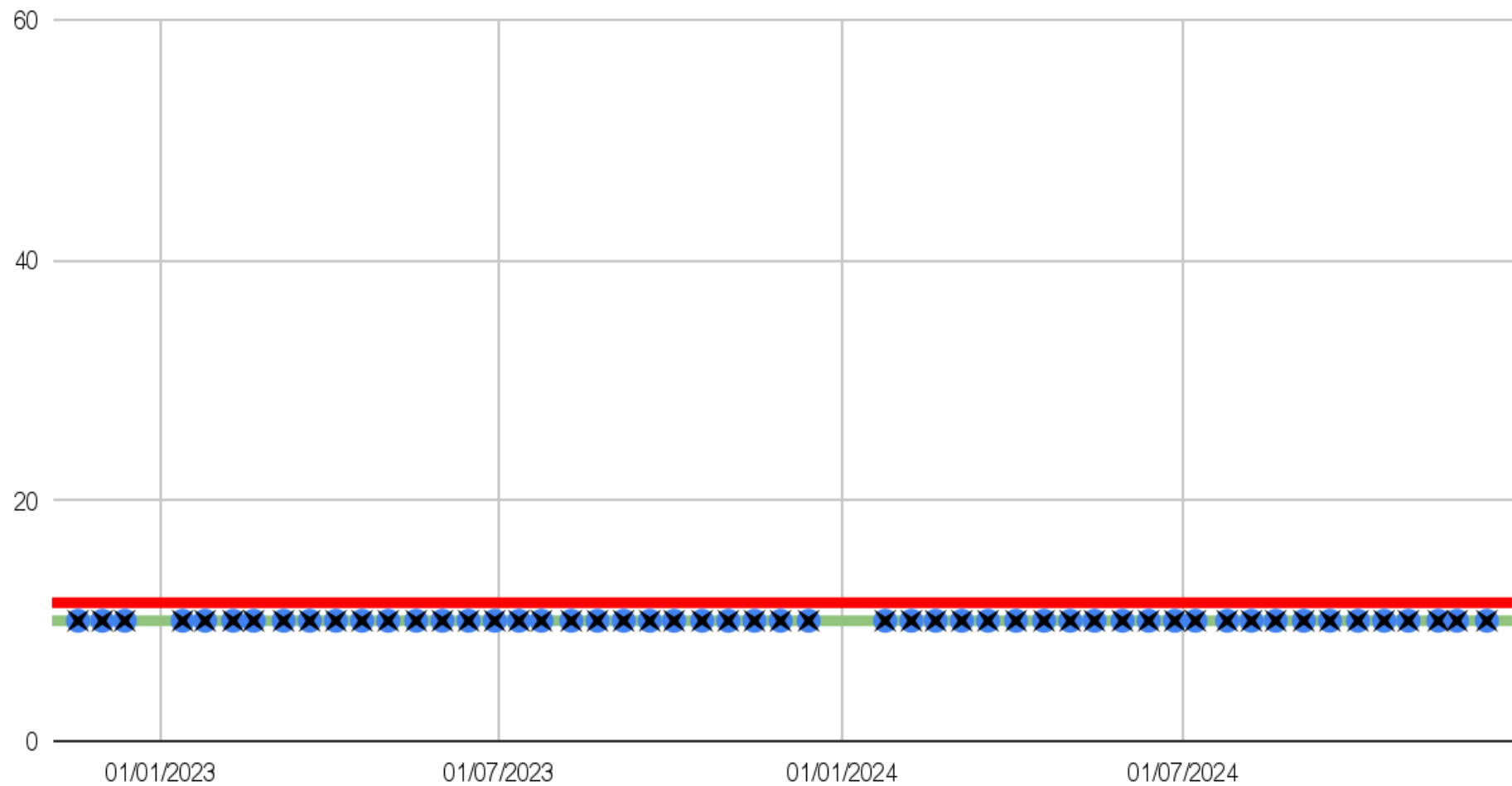


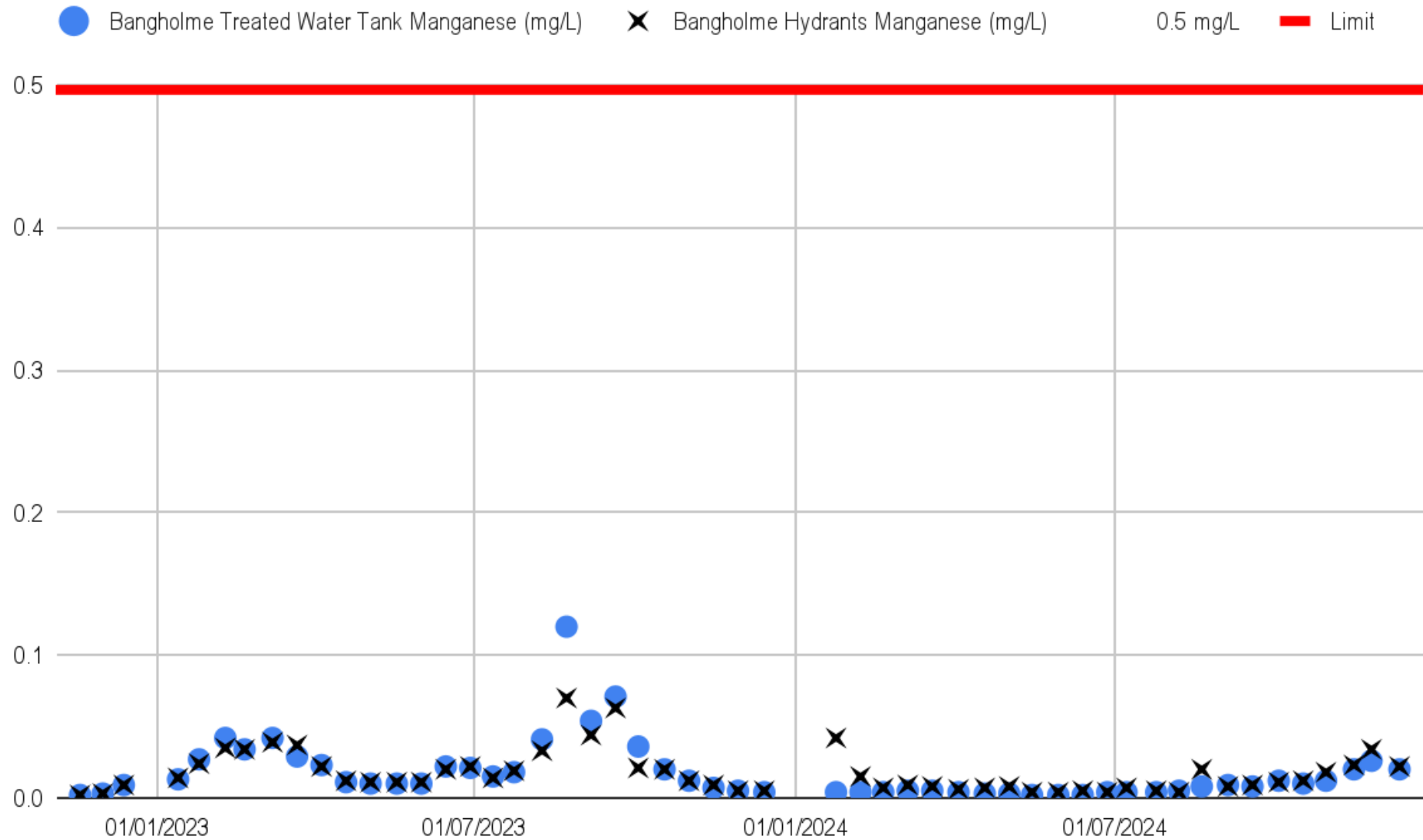
Limit



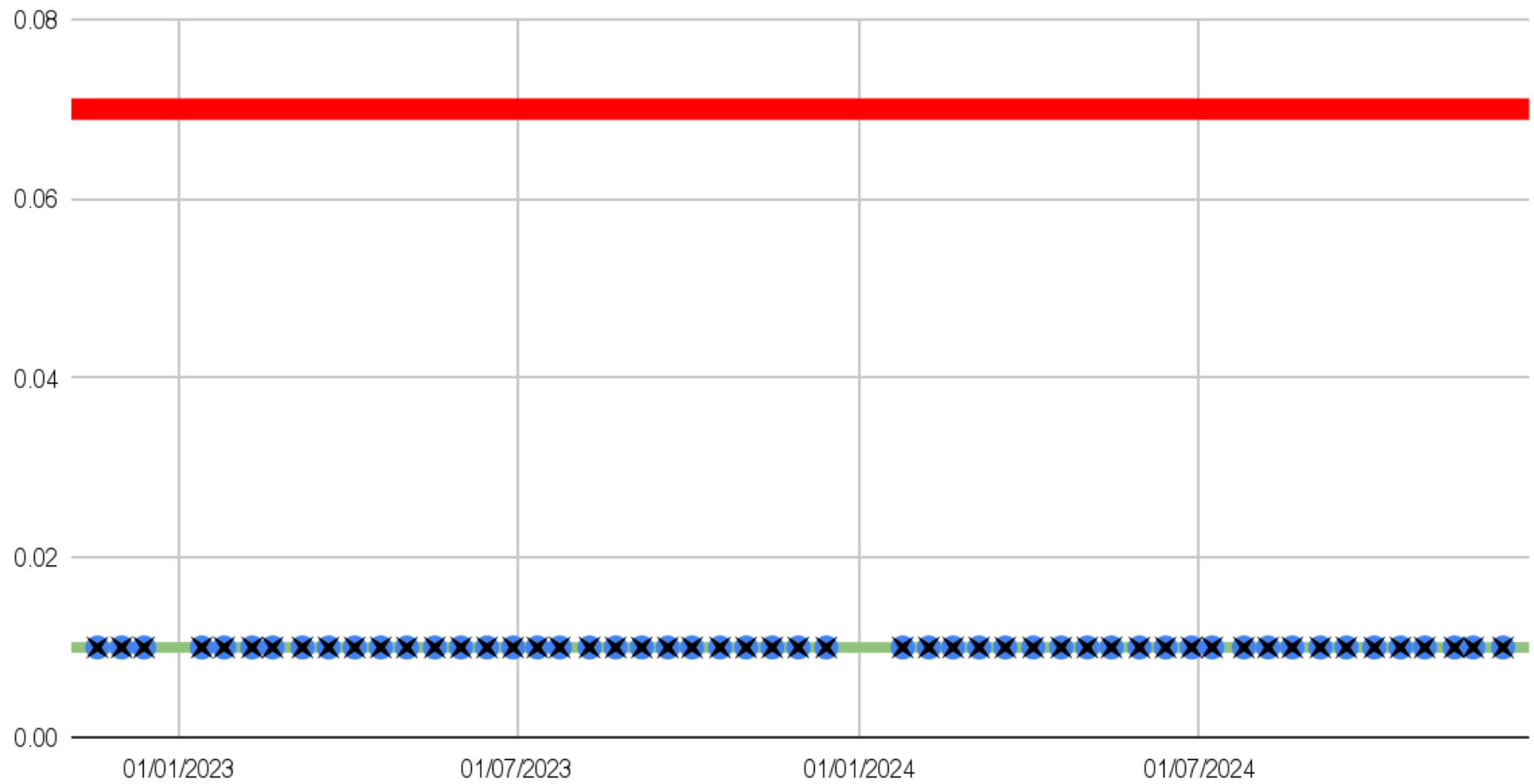


● Bangholme Treated Water Tank Total Legionella (CFU/mL) ✕ Bangholme Hydrants Total Legionella (CFU/mL) 10 CFU/mL ■ Limit
Non Detect Results ■



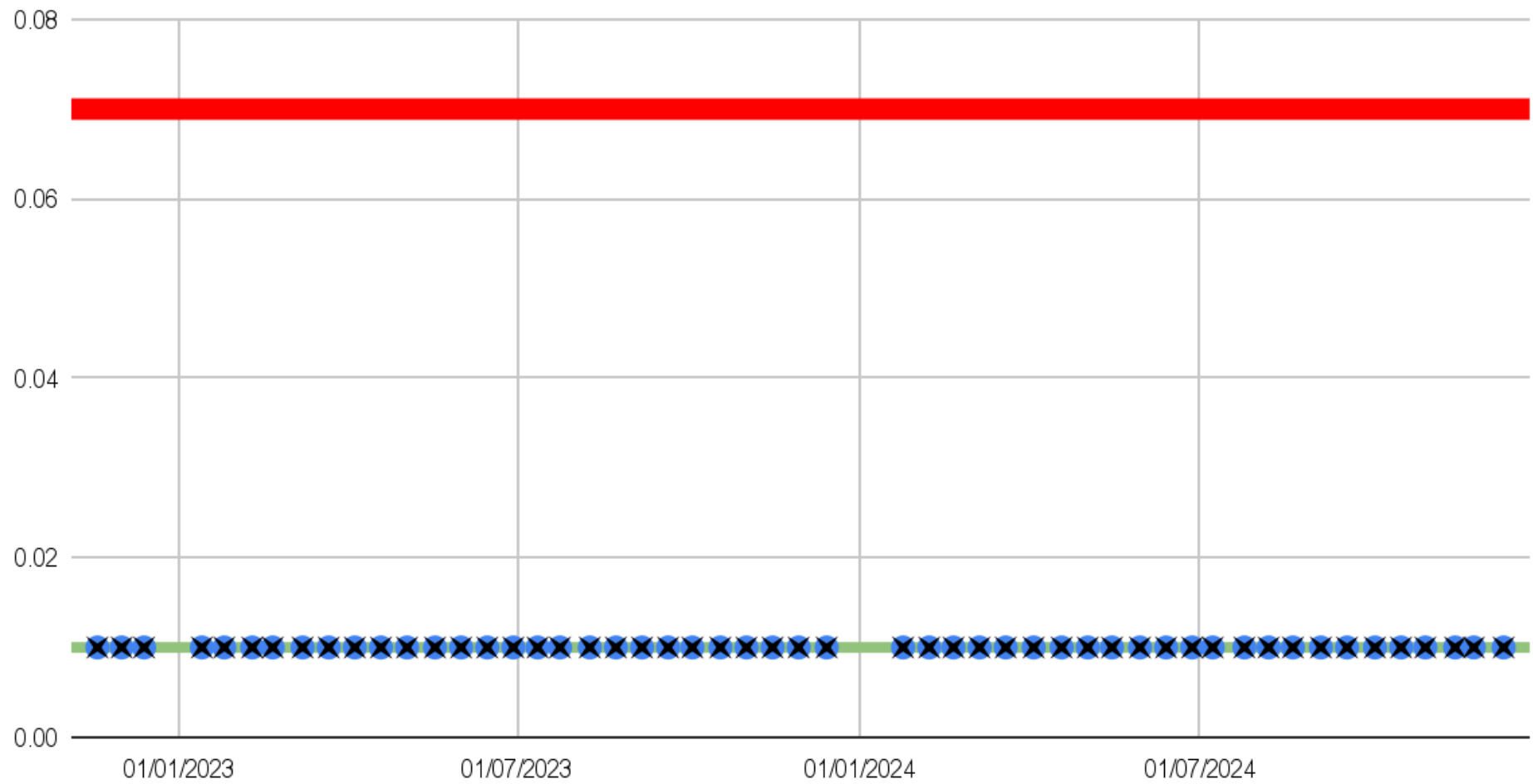


● Bangholme Treated Water Tank PFOA (µg/L) ✕ Bangholme Hydrants PFOA (µg/L) PFOA + PFOS 0.07 µg/L ■ Limit
Non Detect Results ■

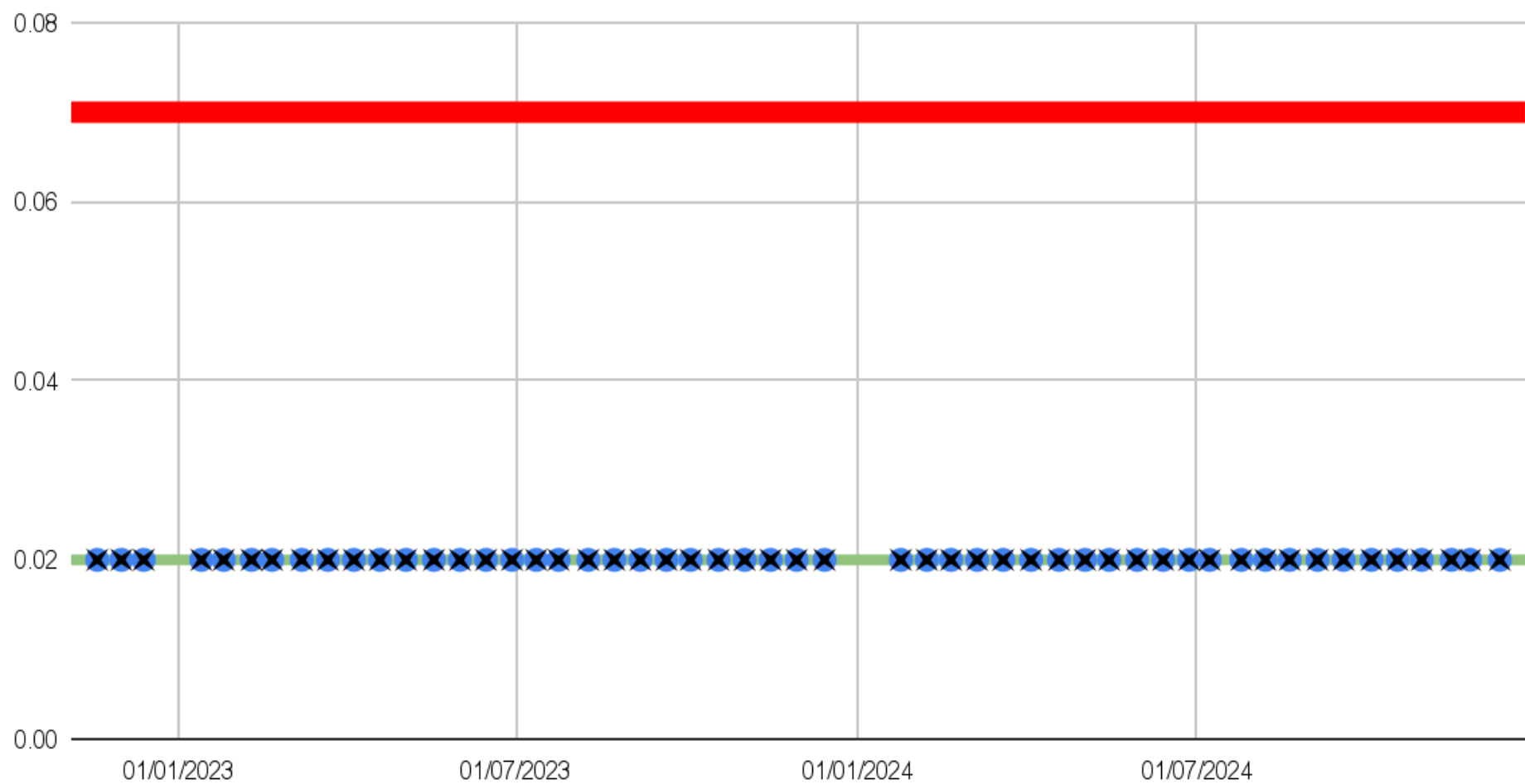


● Bangholme Treated Water Tank PFOS ($\mu\text{g/L}$) ✕ Bangholme Hydrants PFOS ($\mu\text{g/L}$) PFOA + PFOS $0.07 \mu\text{g/L}$ ■ Limit

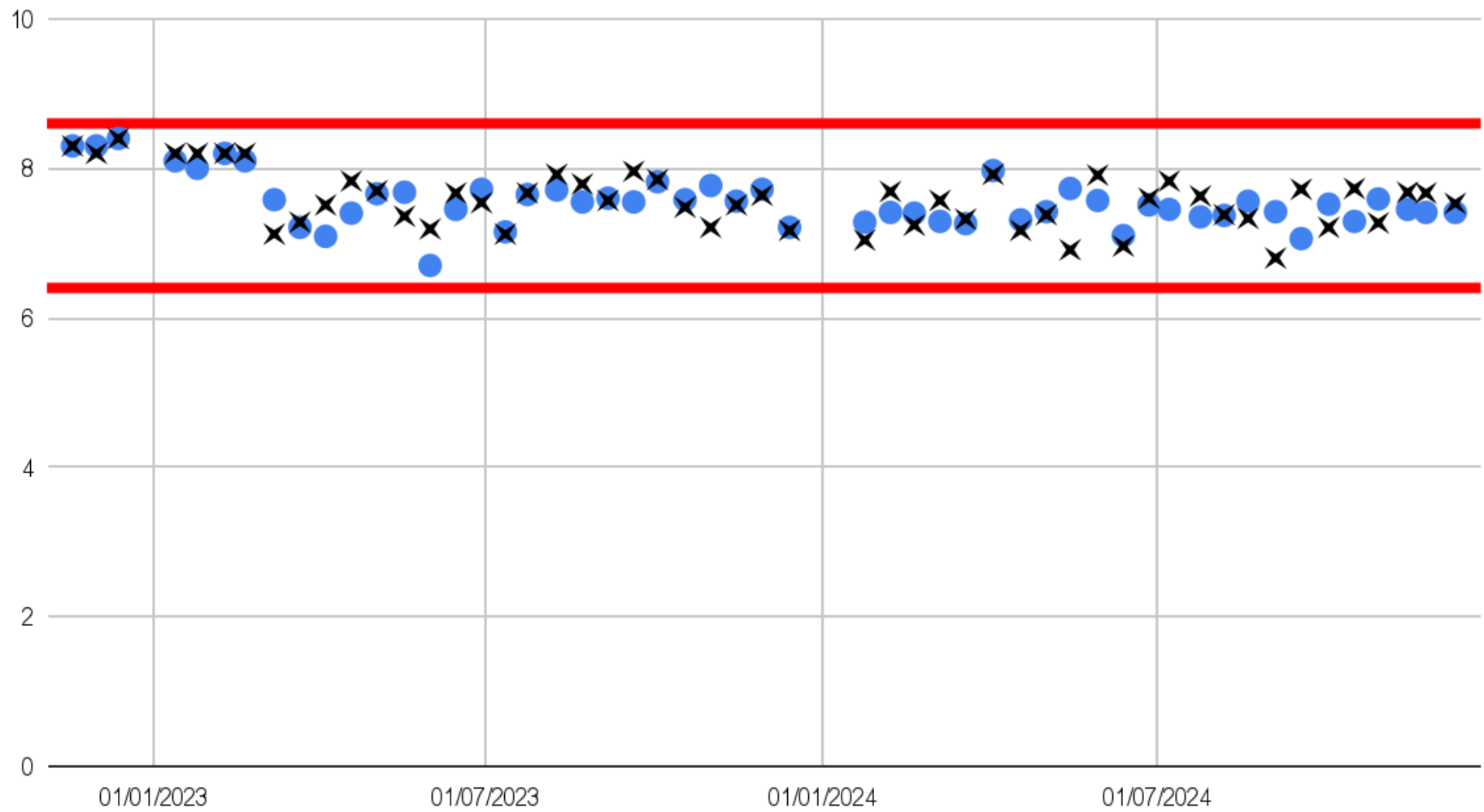
Non Detect Results ■

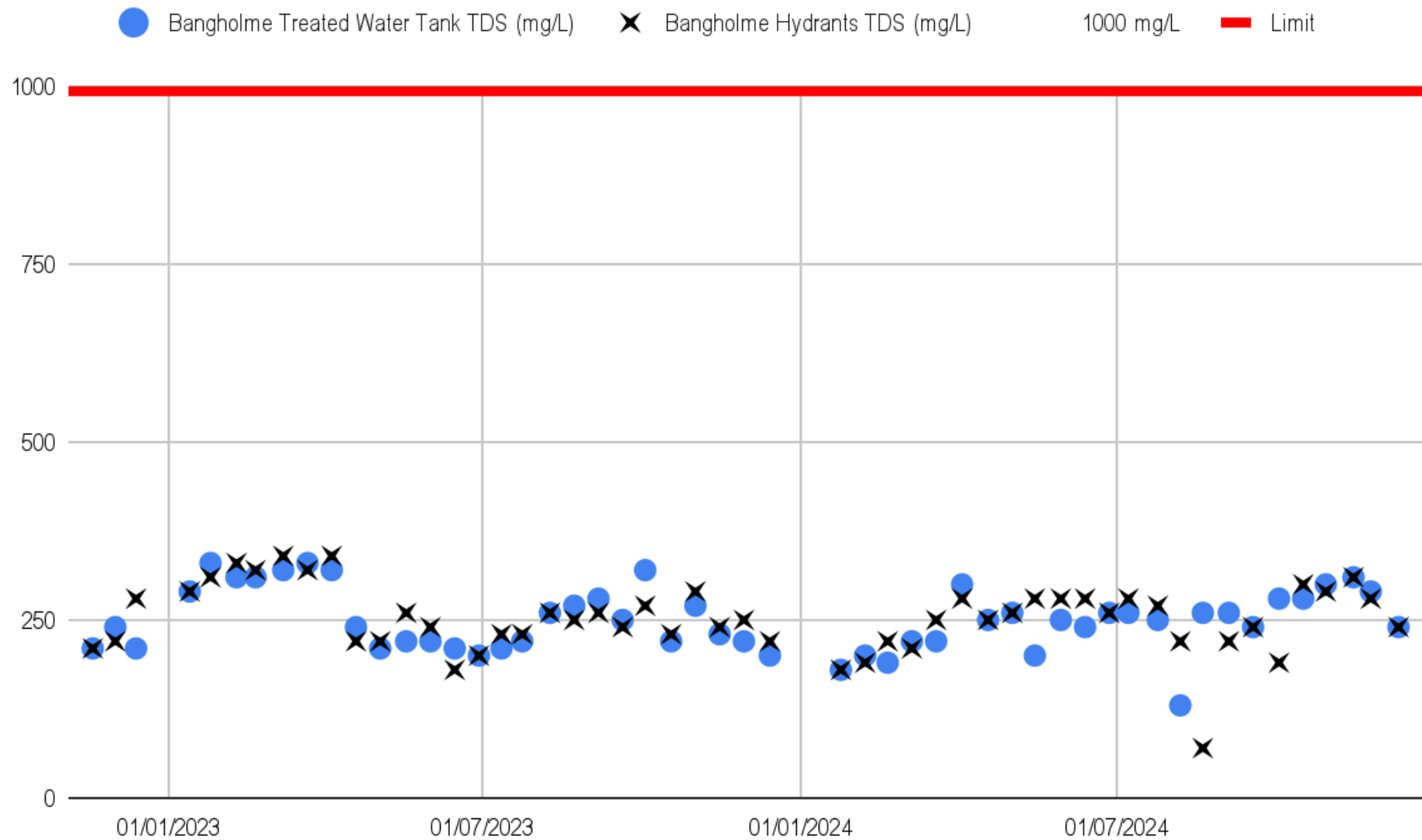


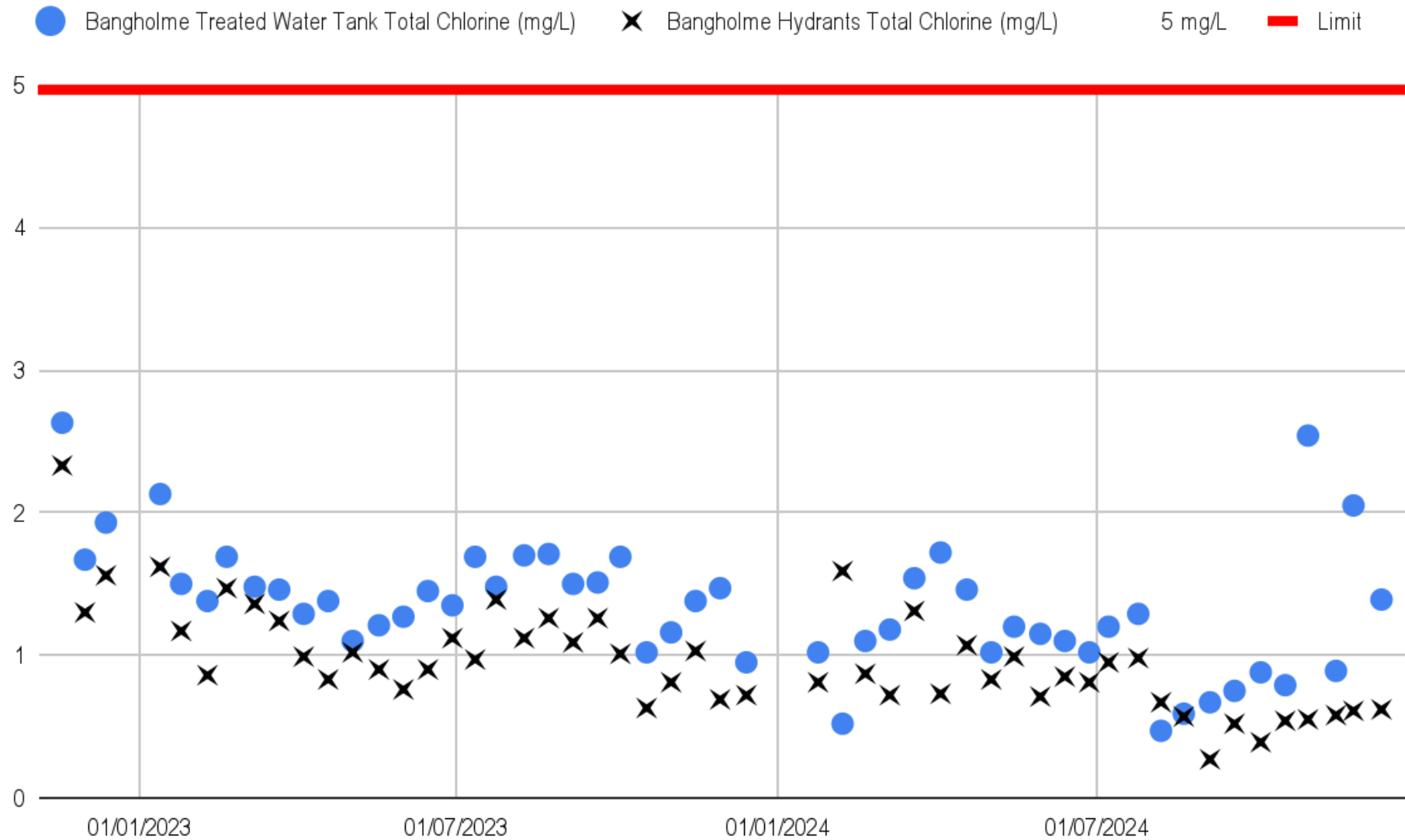
● Bangholme Treated Water Tank PFHxS (µg/L) ✕ Bangholme Hydrants PFHxS (µg/L) PFOS + PFHxS 0.07 µg/L ■ Limit
Non Detect Results ■

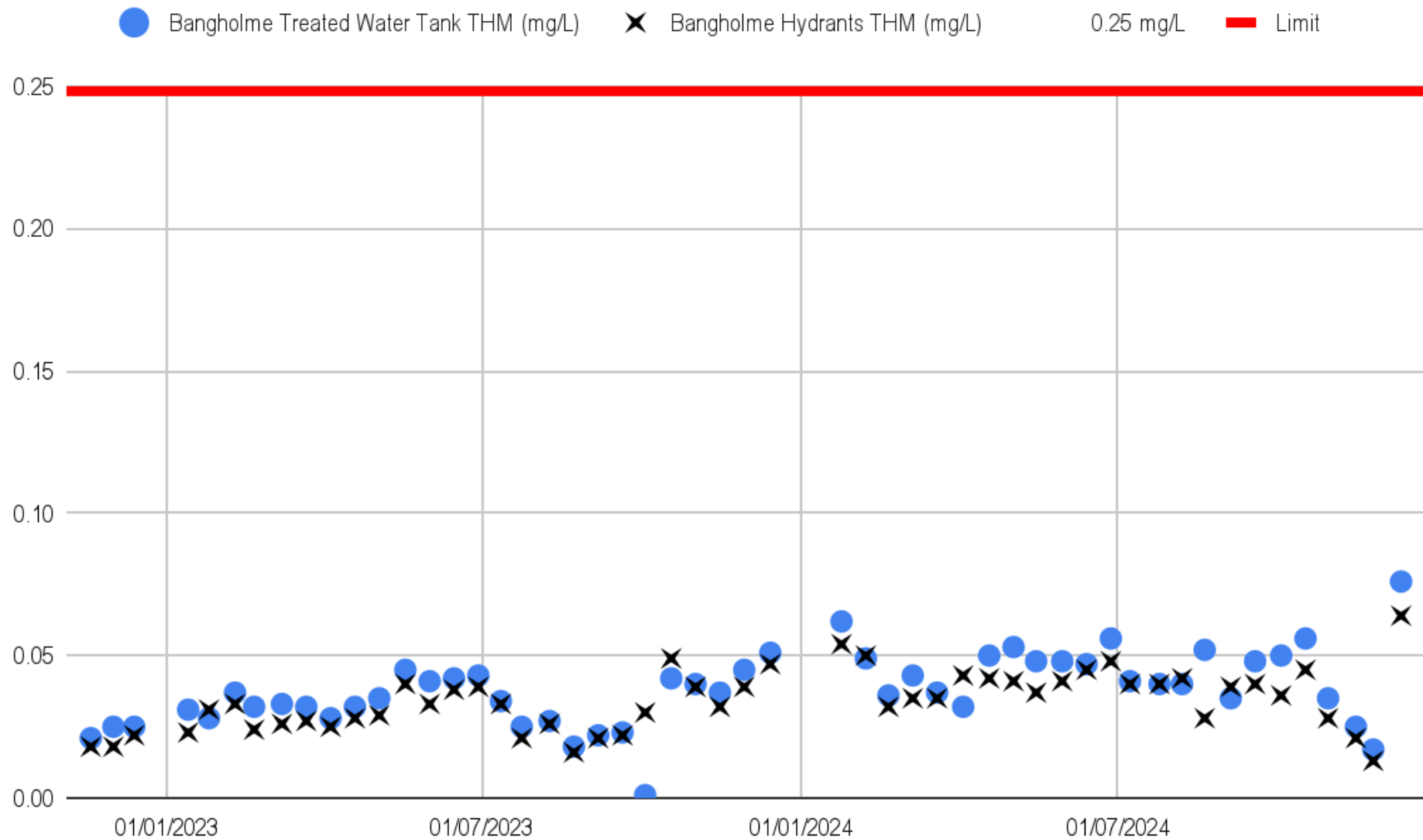


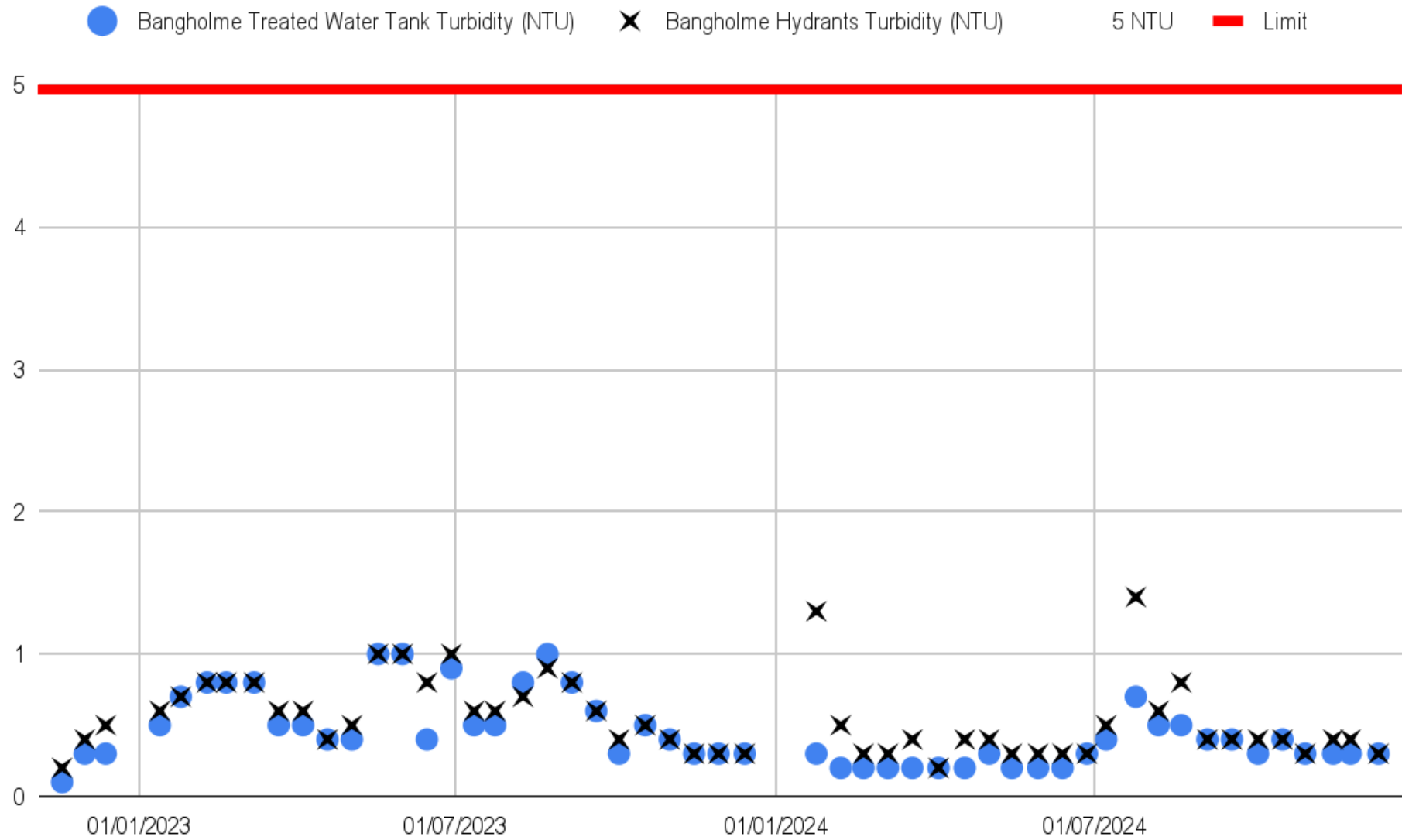
● Bangholme Treated Water Tank pH (-) ✕ Bangholme Hydrants pH (-) 6.5 Limit 8.5 Limit



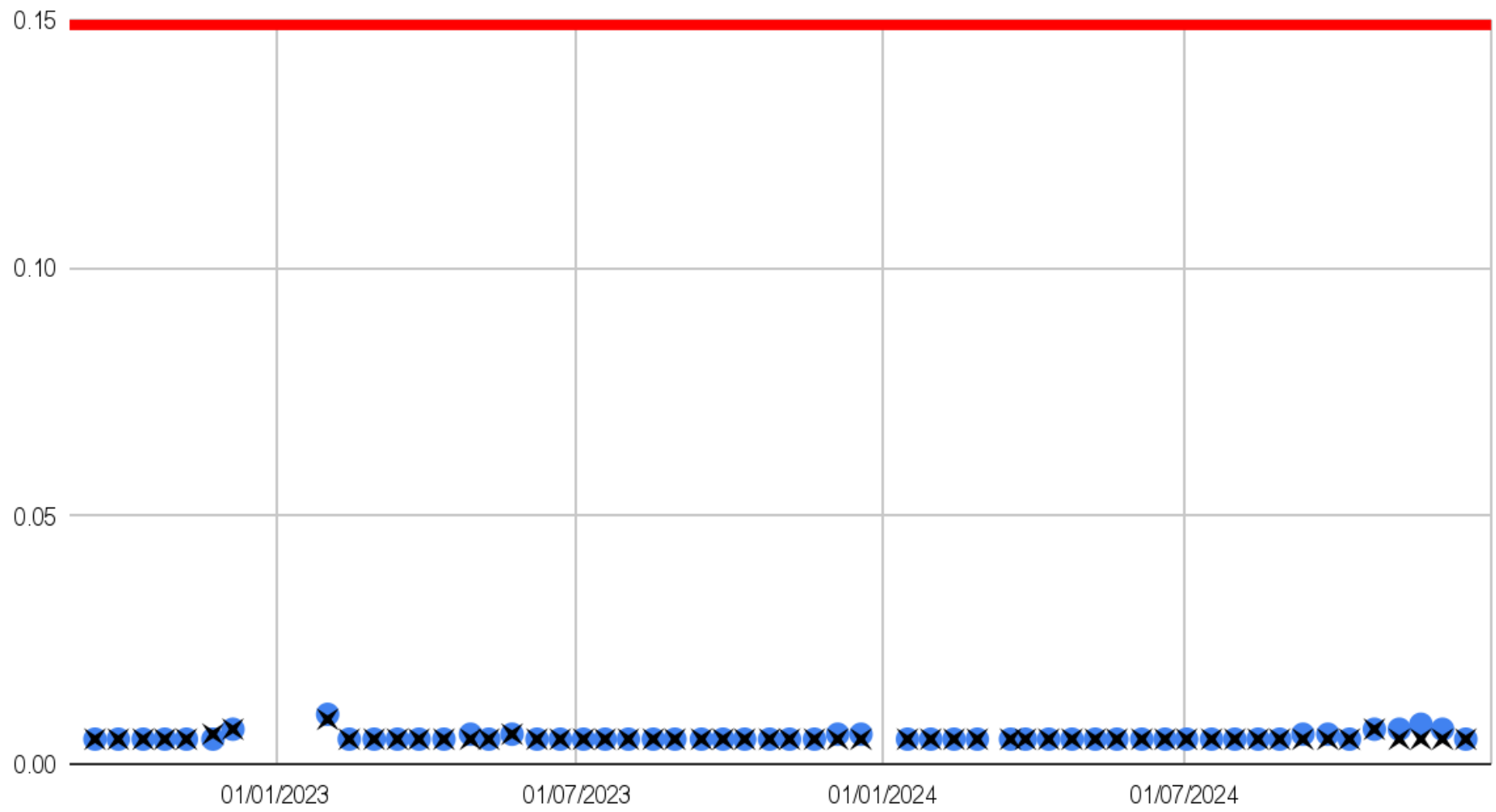


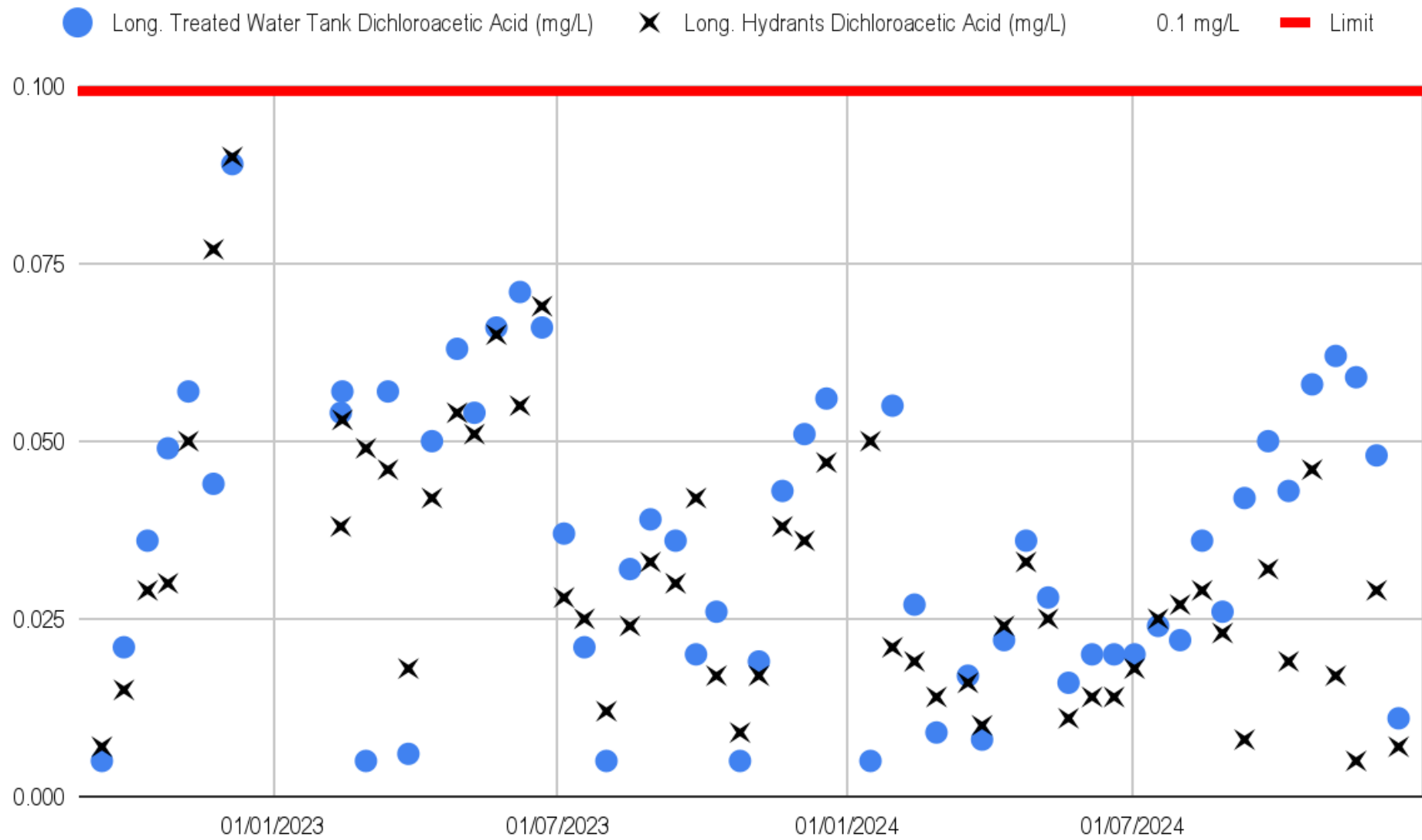


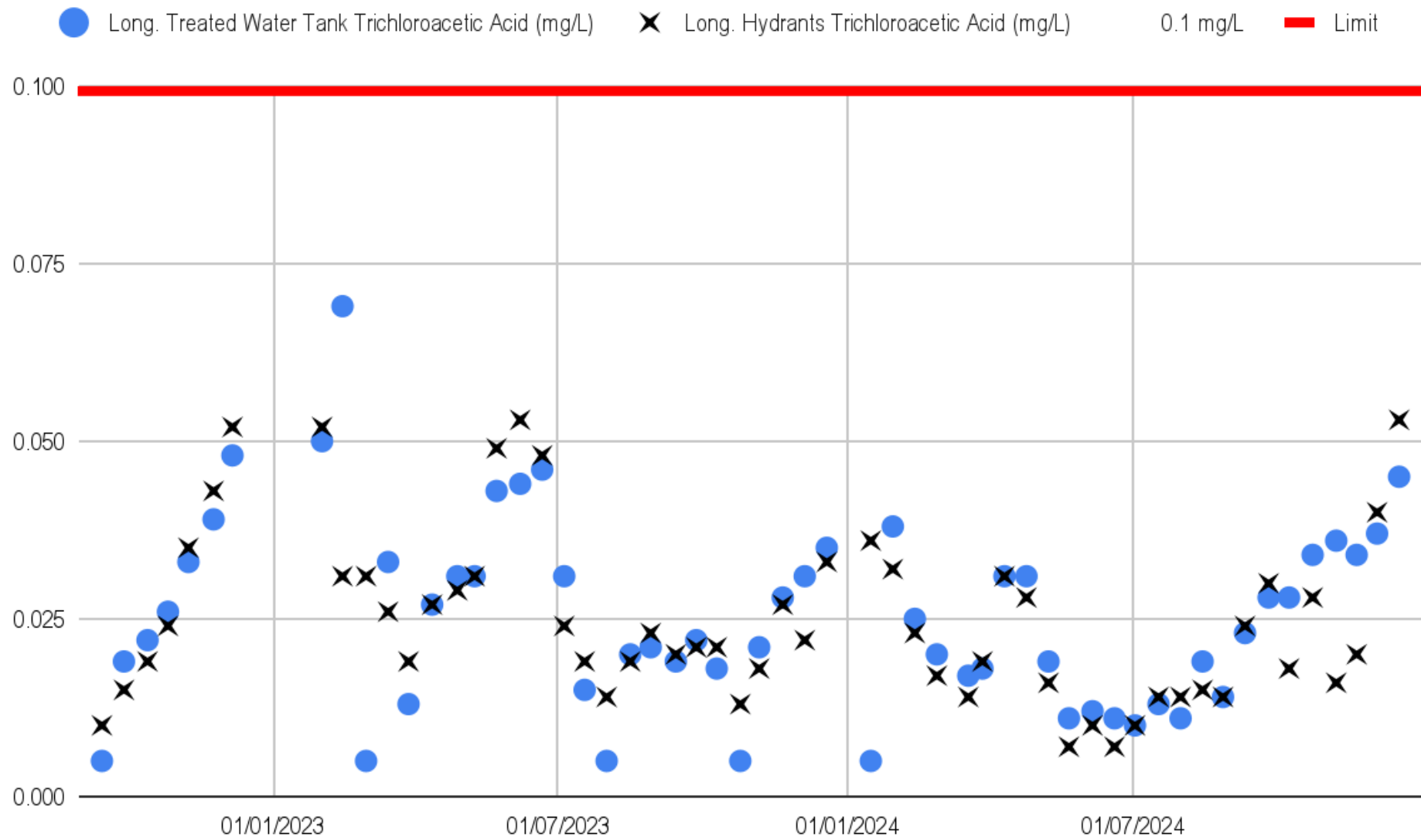


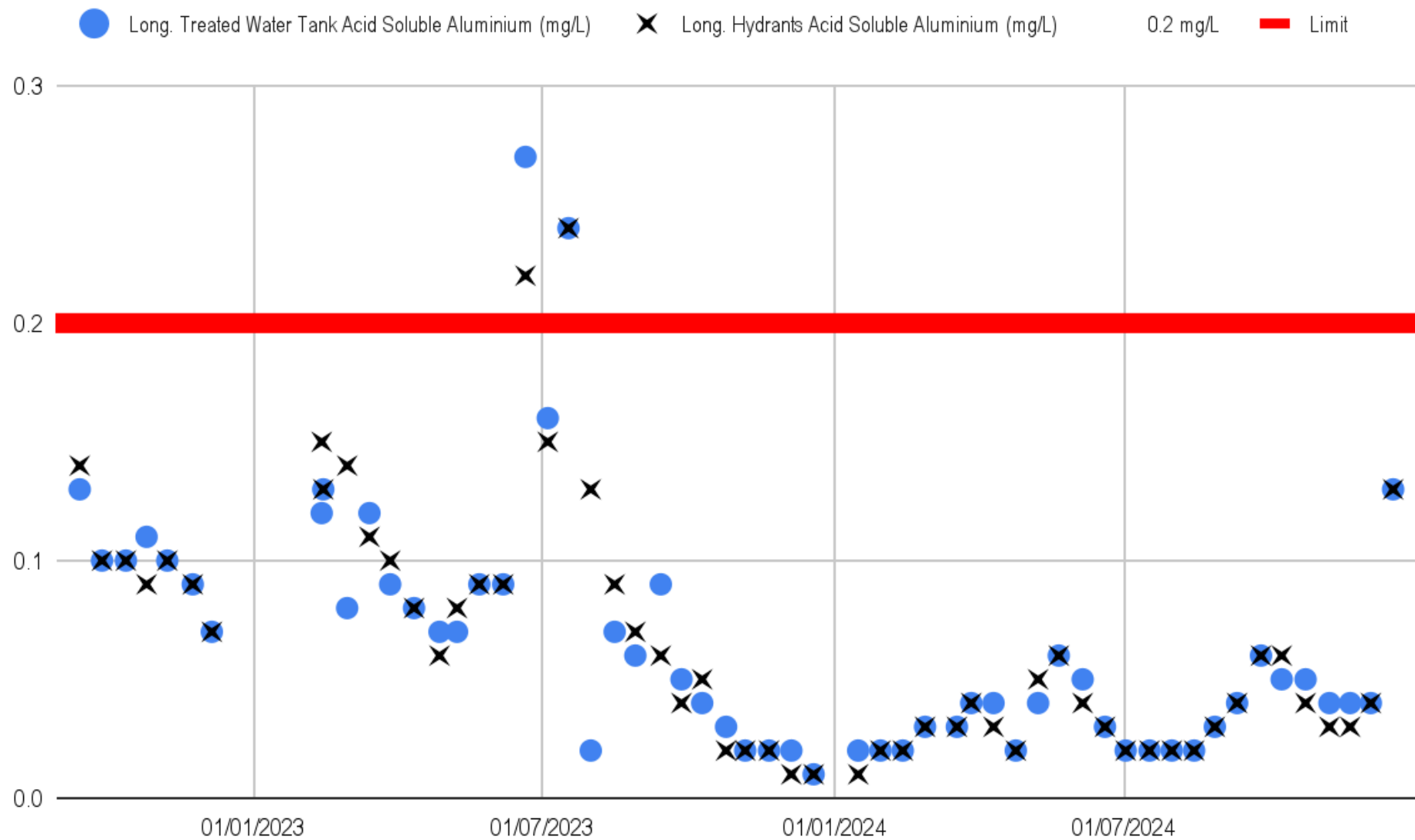


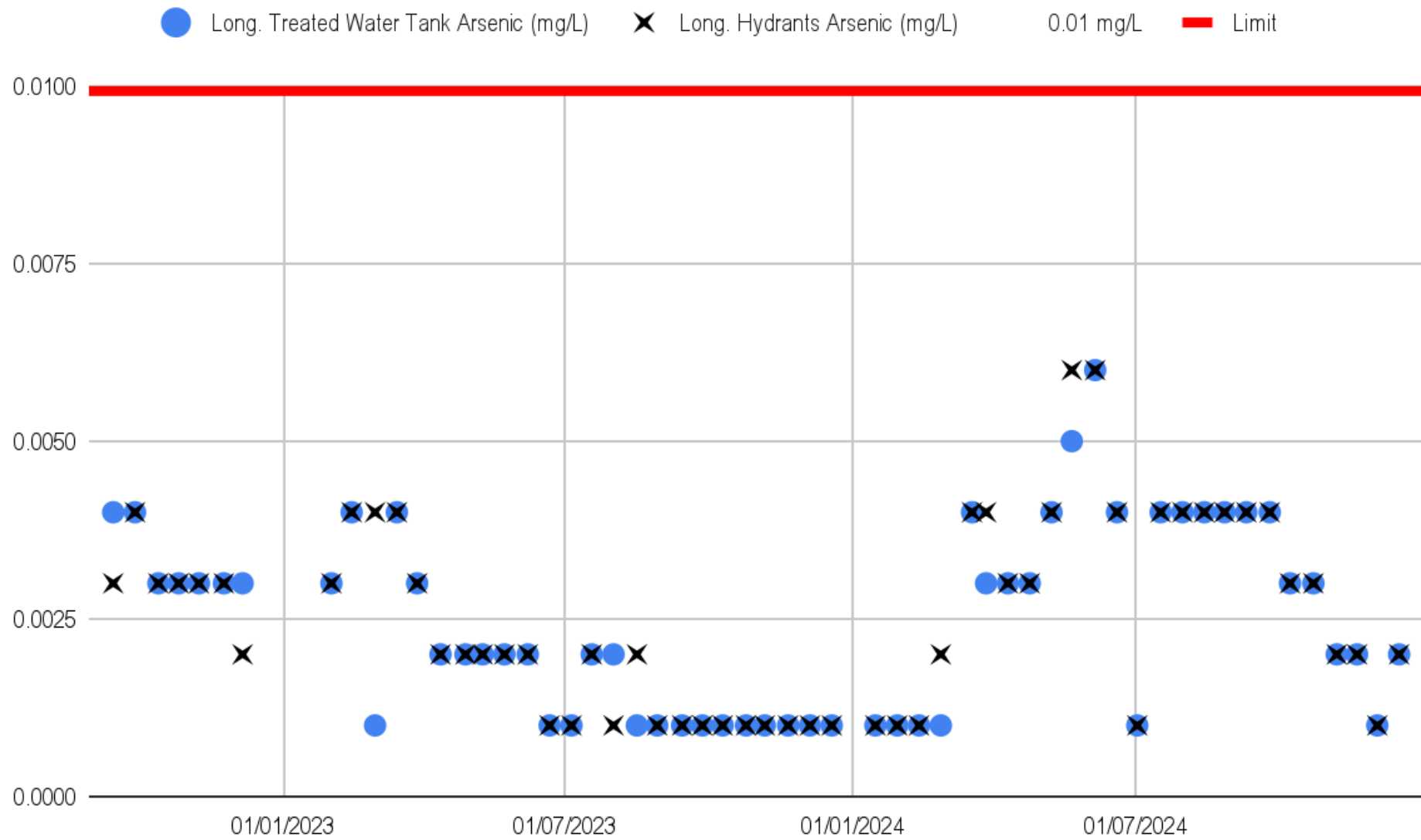
● Long. Treated Water Tank Chloroacetic Acid (mg/L) ✕ Long. Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L — Limit



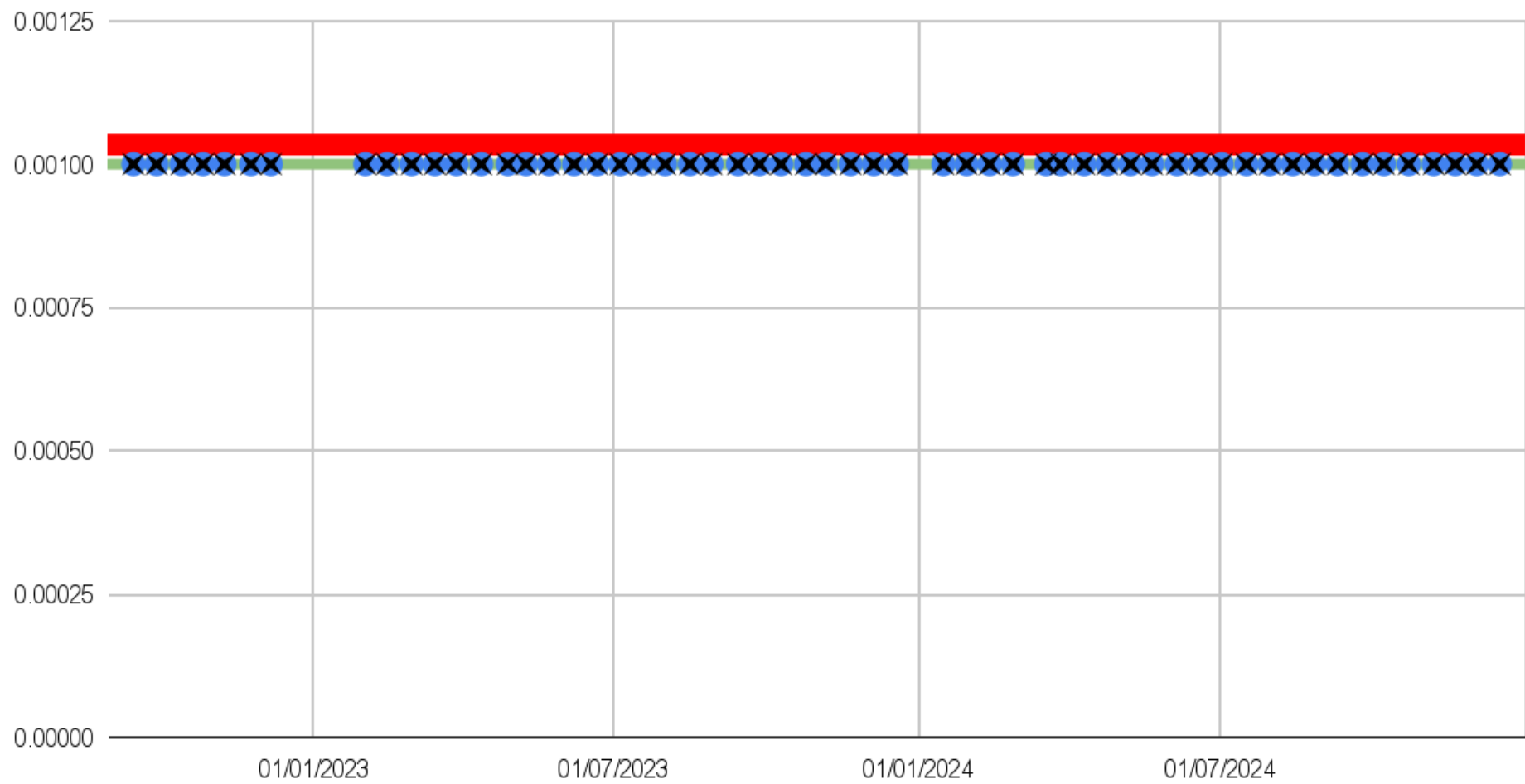


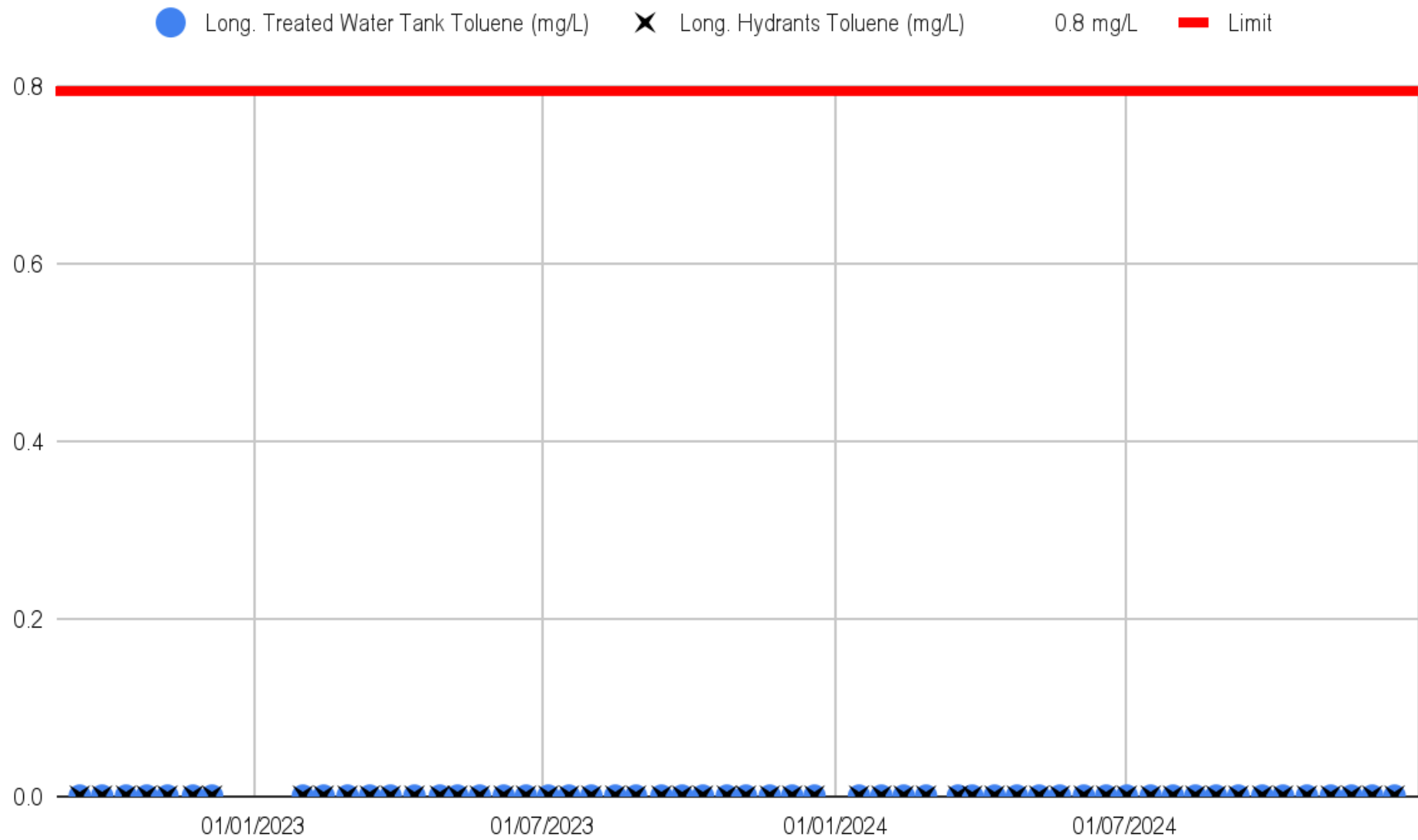


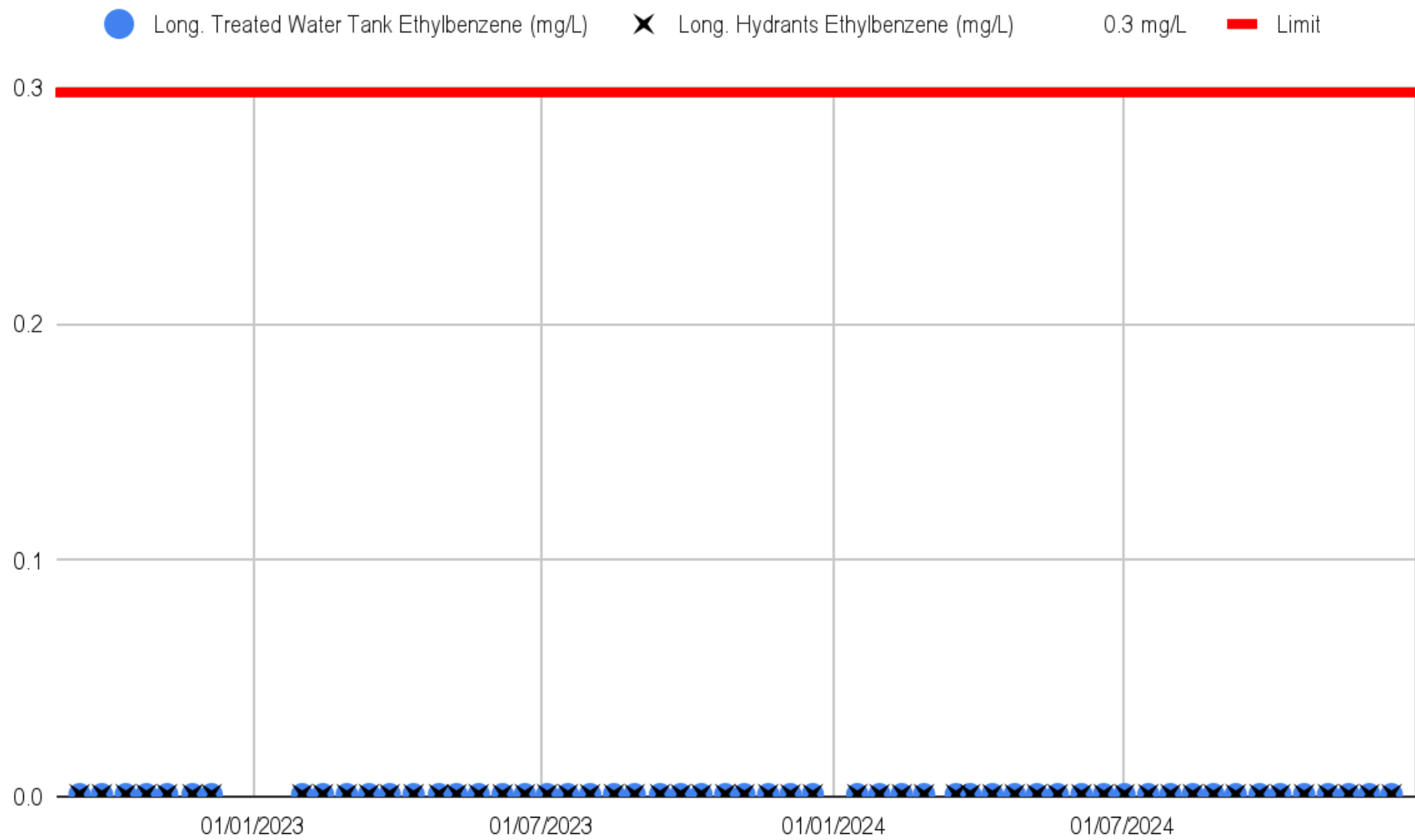


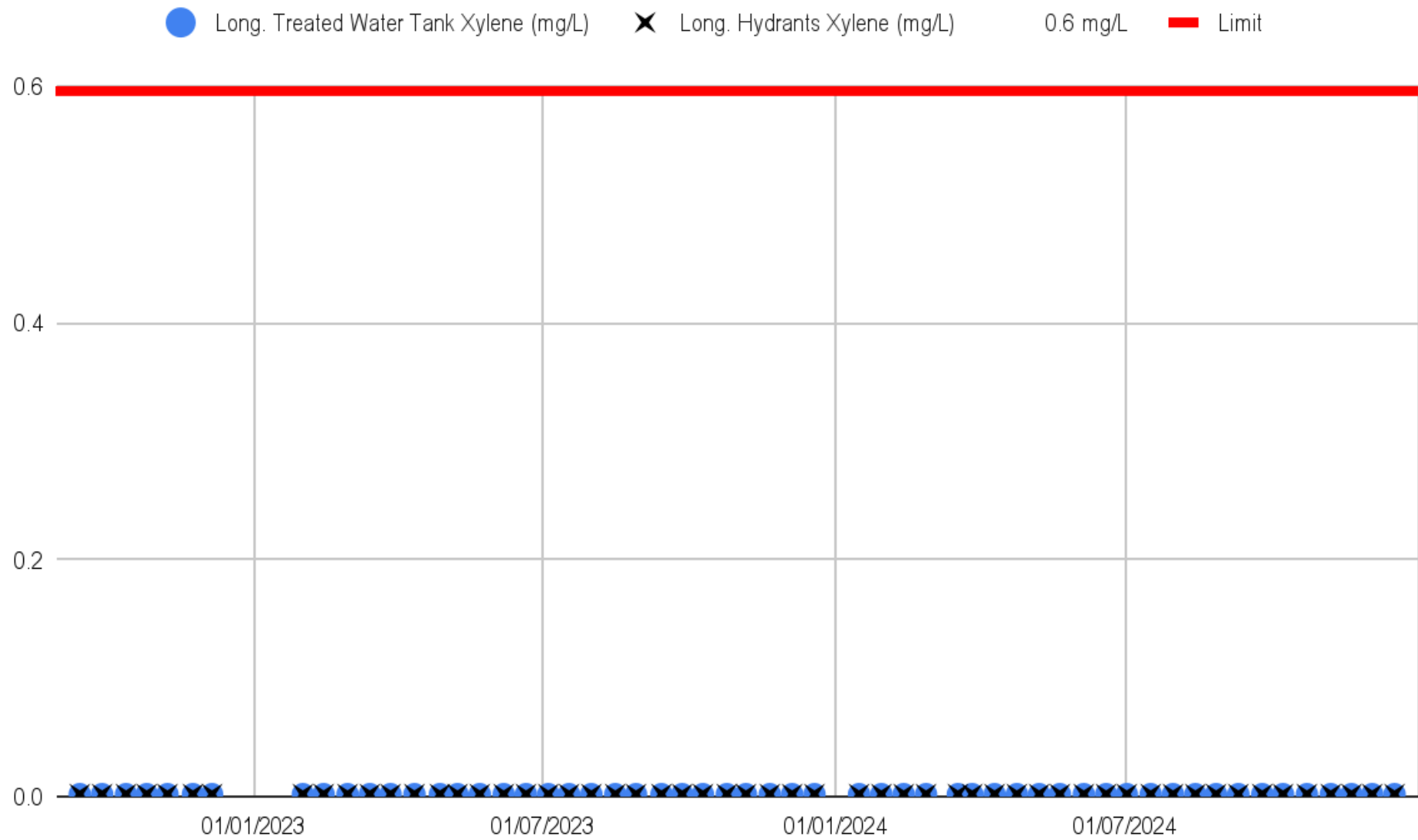


● Long. Treated Water Tank Benzene (mg/L) ✕ Long. Hydrants Benzene (mg/L) 0.001 mg/L ■ Limit
Non Detect Results ■

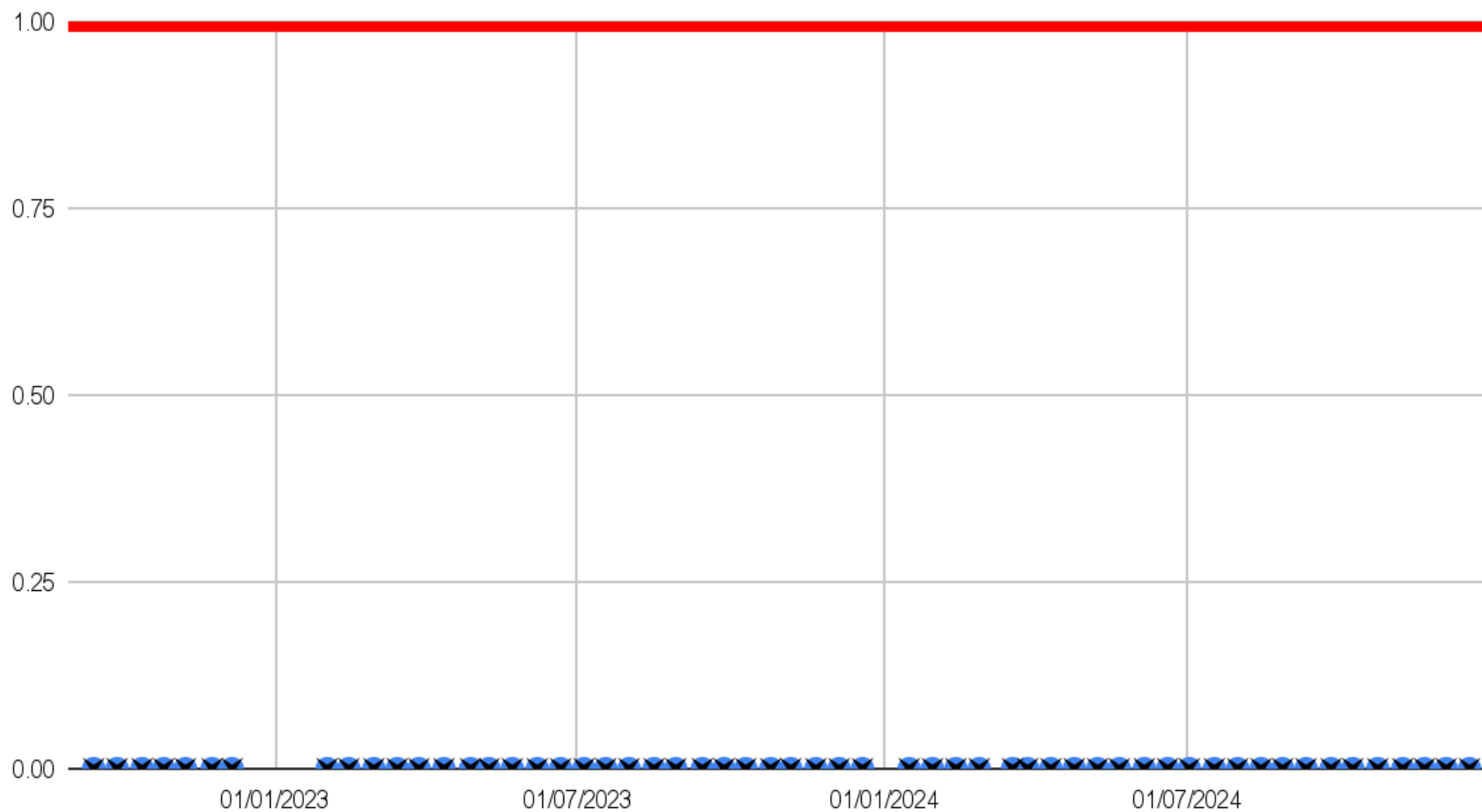




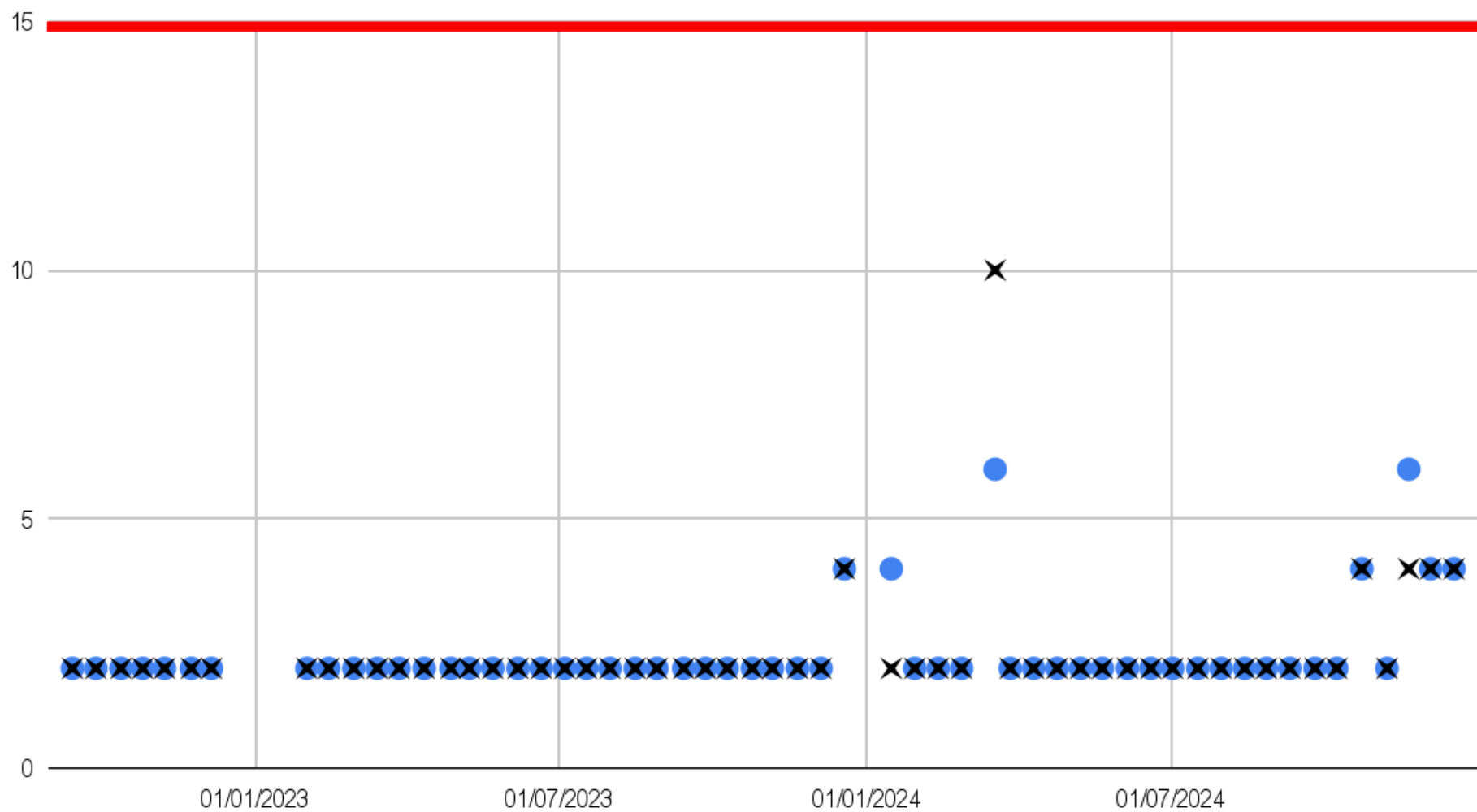


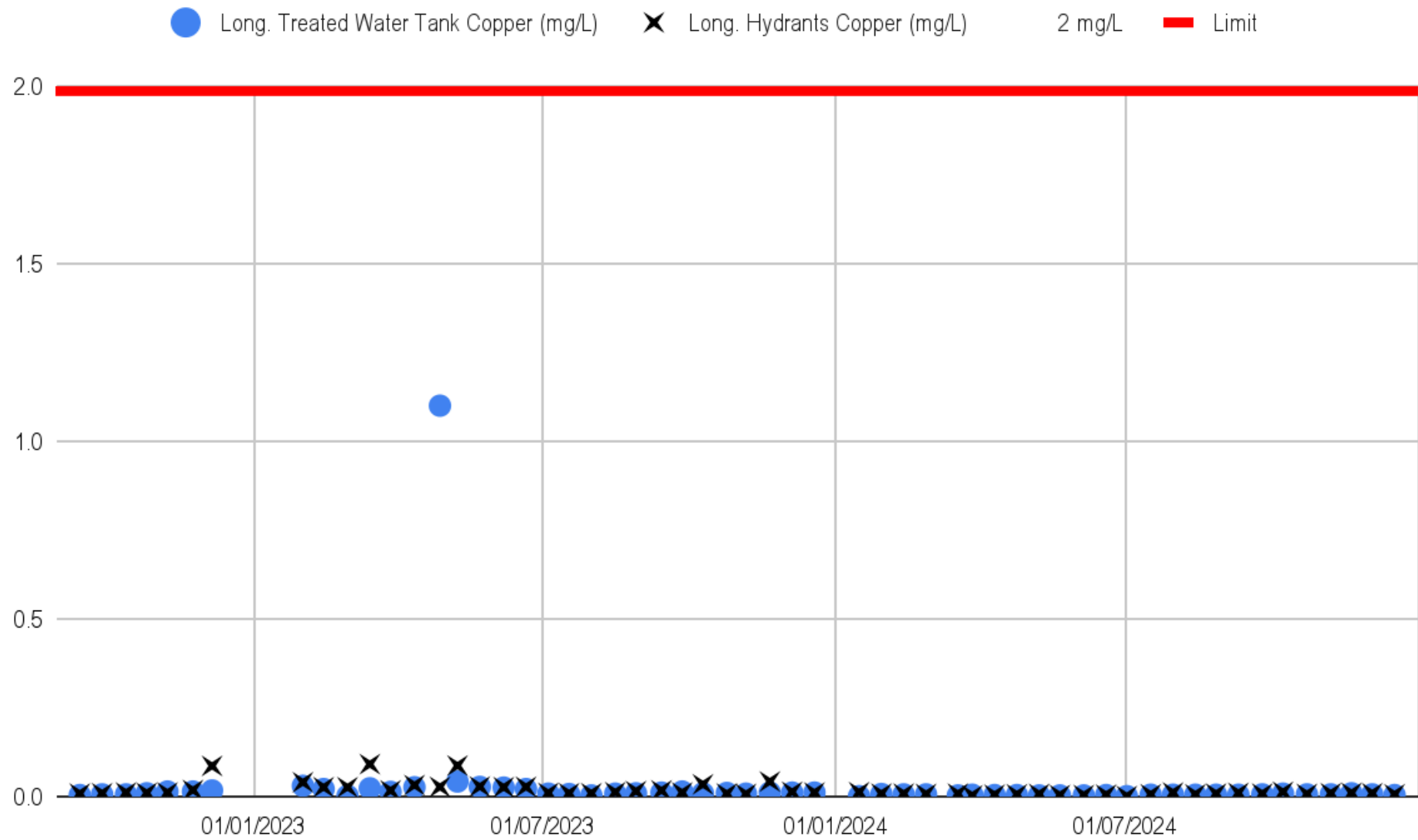


● Long. Treated Water Tank Coliforms (CFU/100mL) ✕ Long. Hydrants Coliforms (CFU/100mL) 1 cfu/100mL ■ Limit

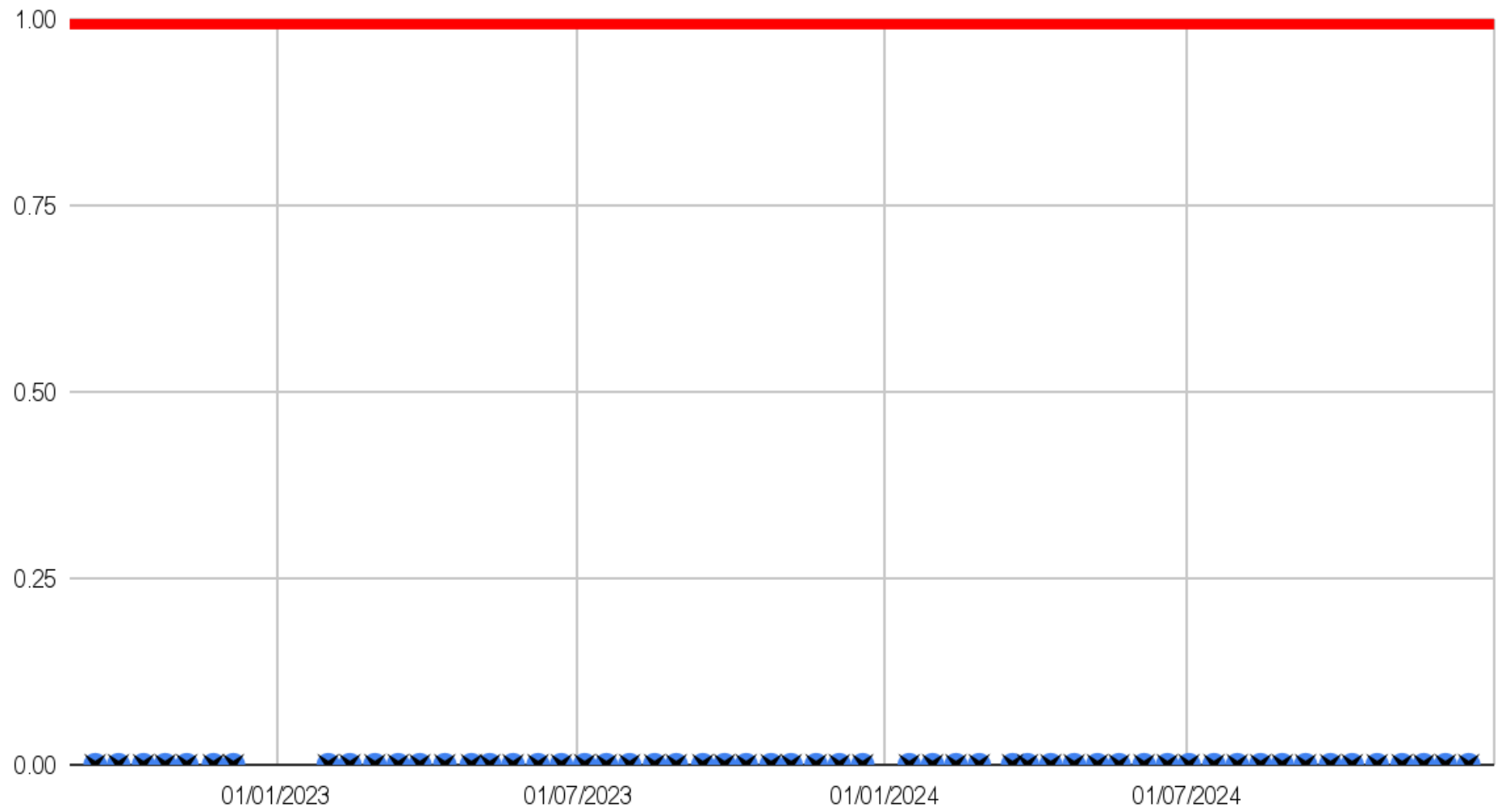


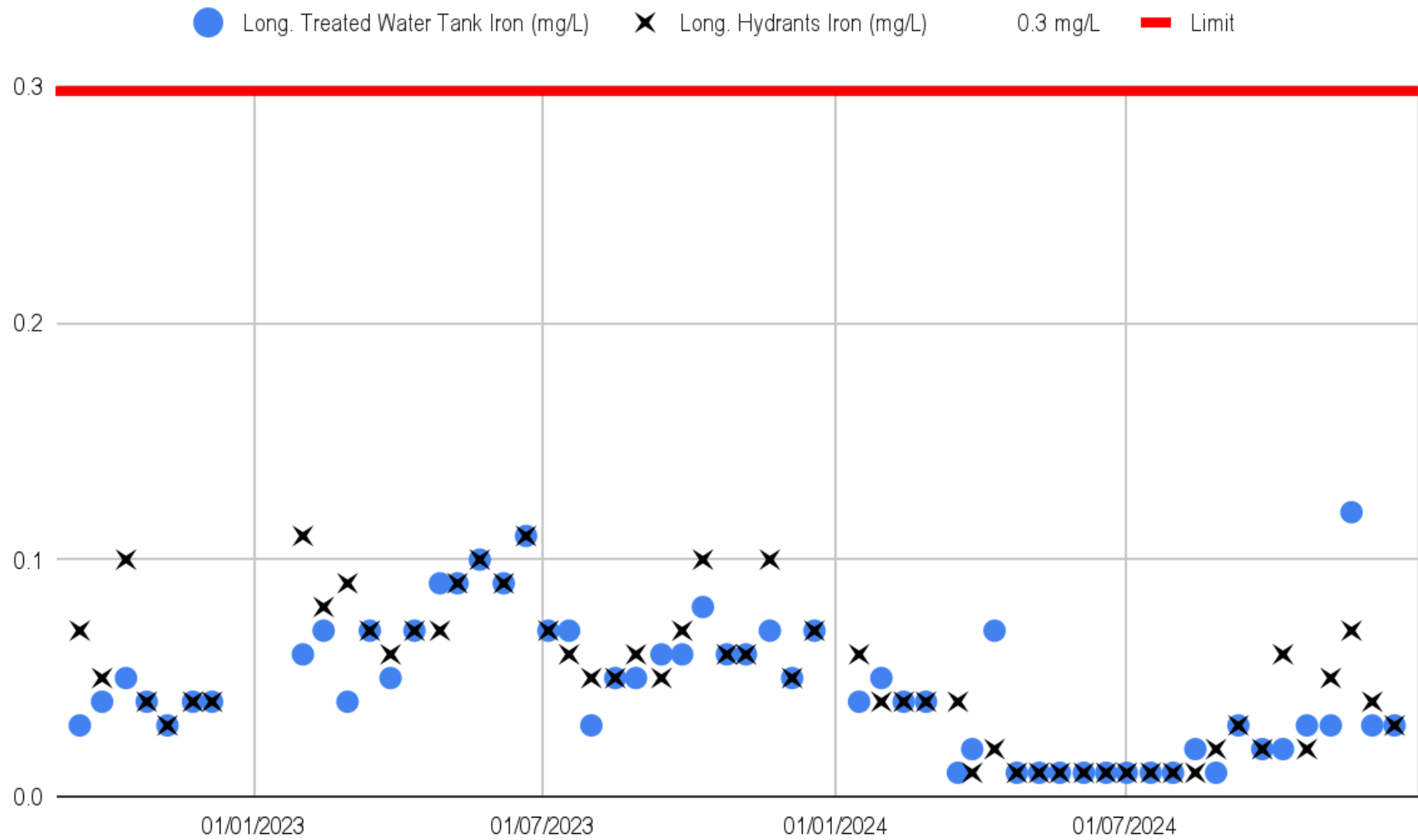
● Long. Treated Water Tank Colour (Pt/Co) ✕ Long. Hydrants Colour (Pt/Co) 15 Pt/Co — Limit



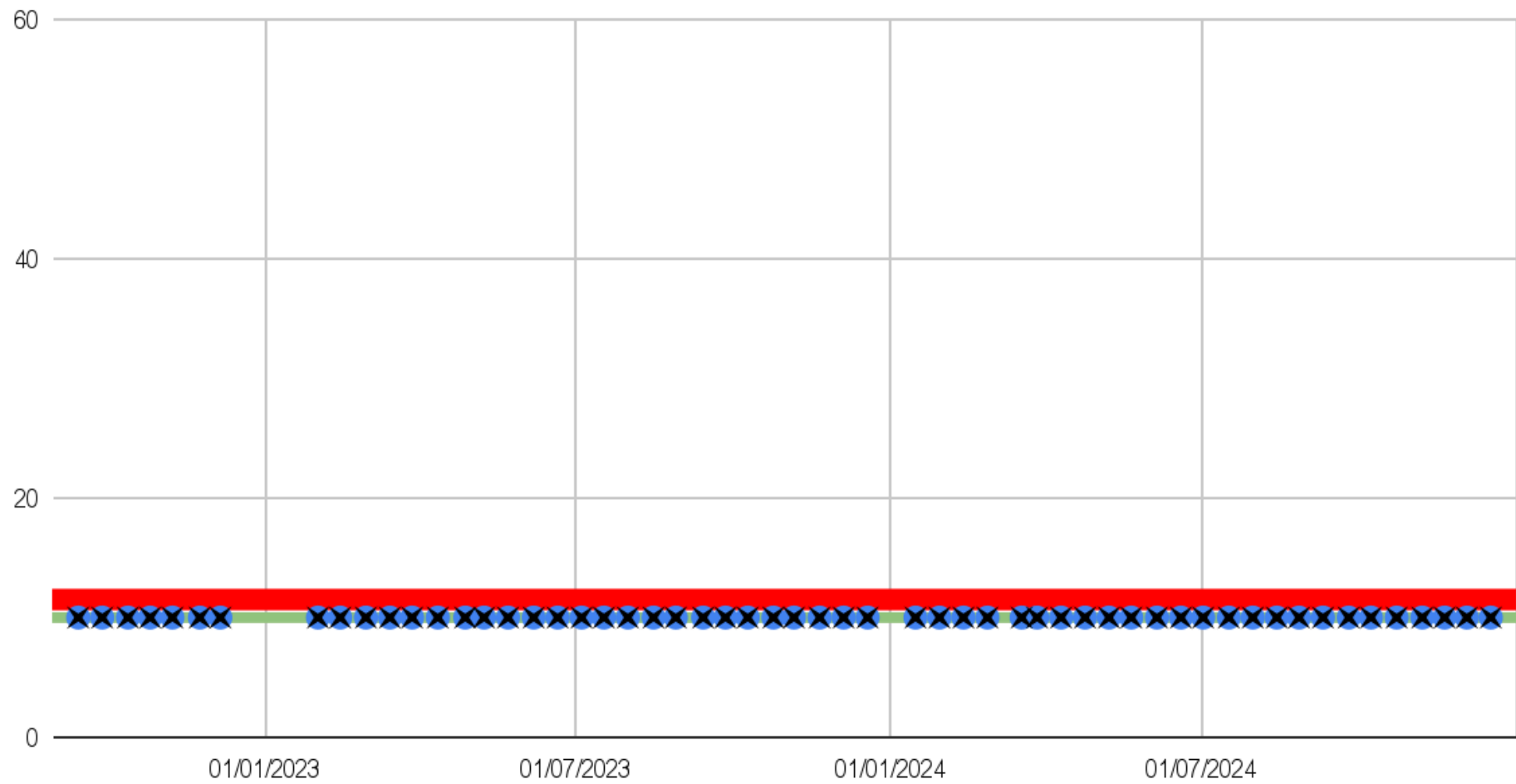


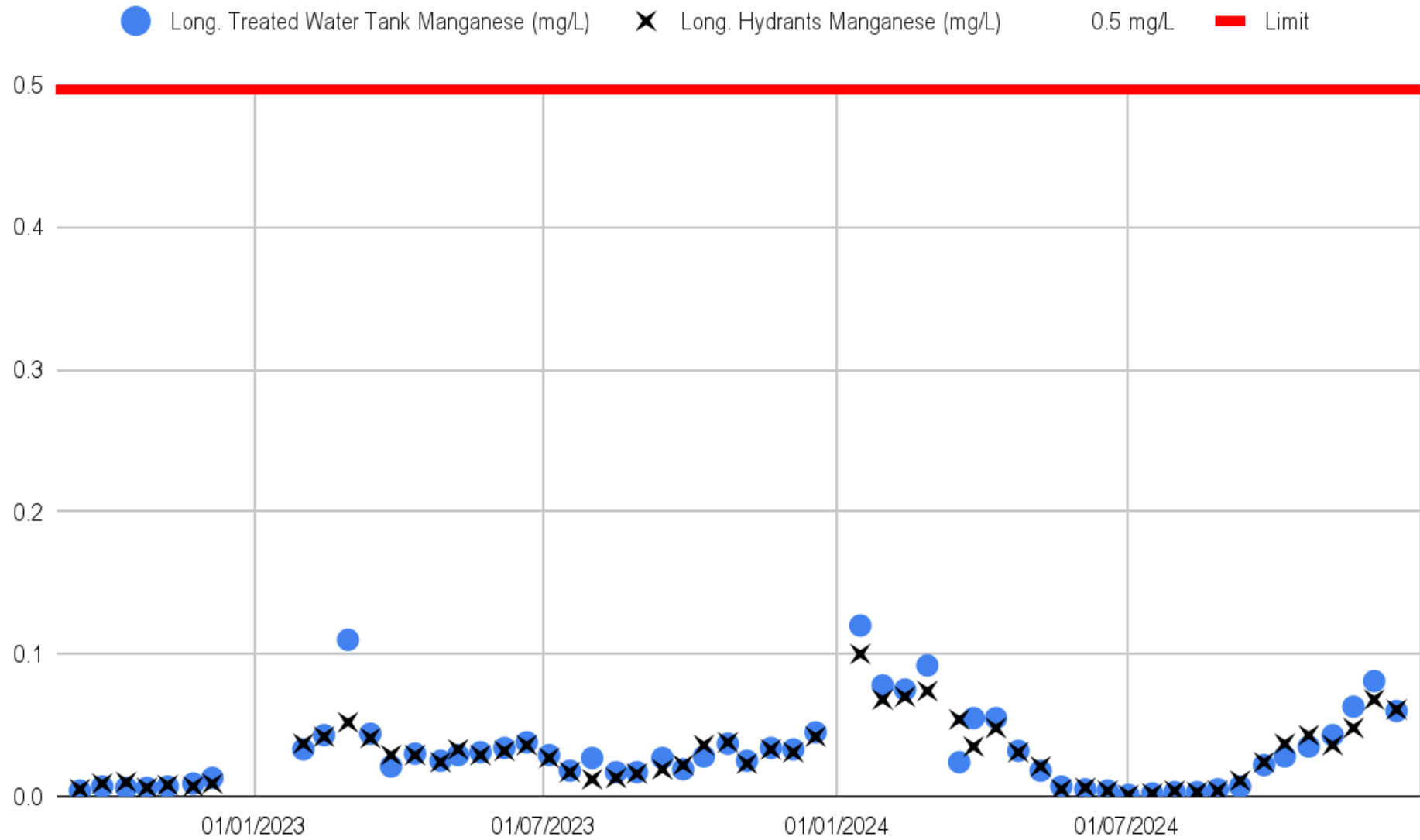
● Long. Treated Water Tank E.coli (CFU/100mL) ✕ Long. Hydrants E.coli (CFU/100mL) 1 cfu/100mL ■ Limit



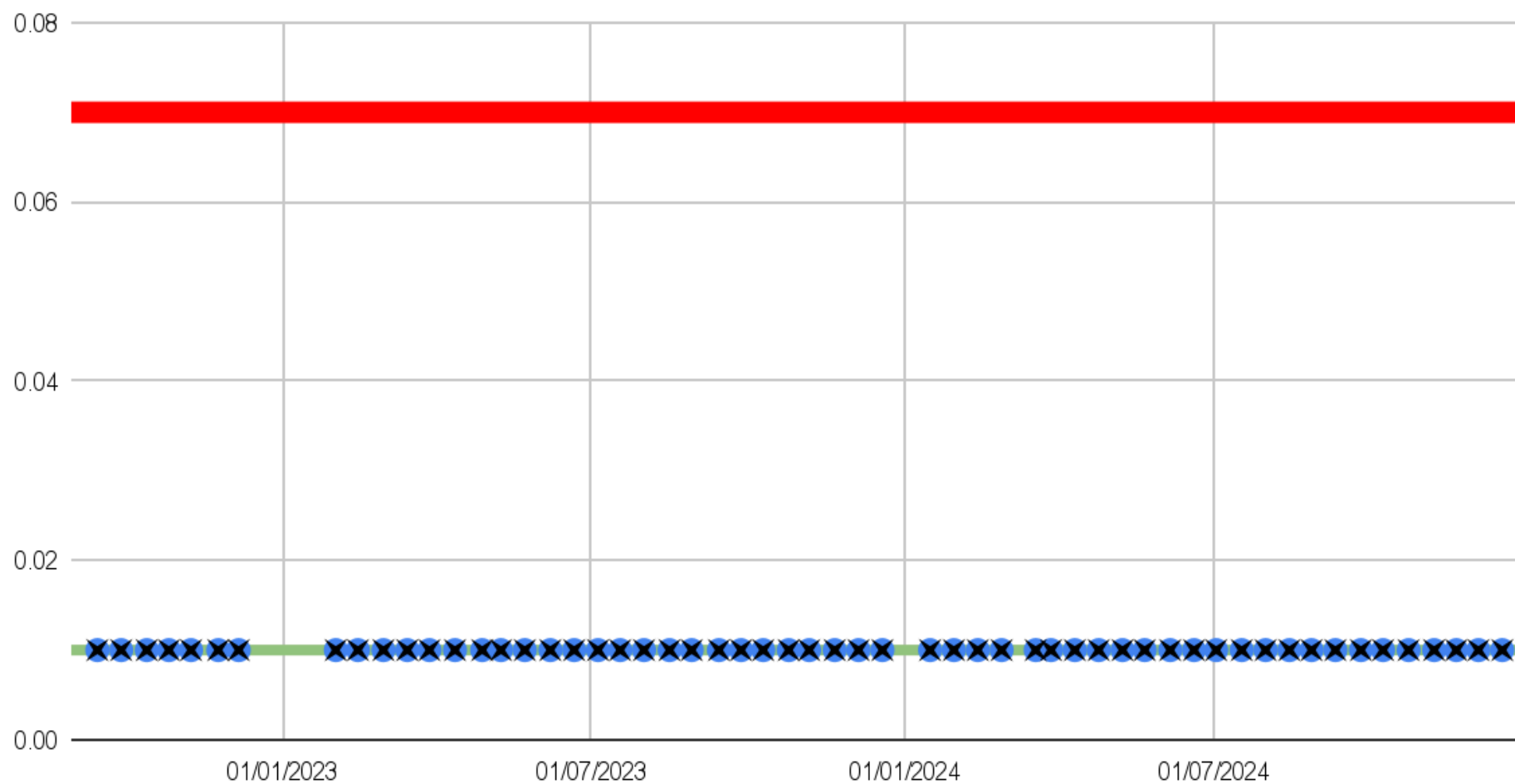


● Long. Treated Water Tank Total Legionella (CFU/mL) ✕ Long. Hydrants Total Legionella (CFU/mL) 10 cfu/mL ■ Limit
Non Detect Results ■

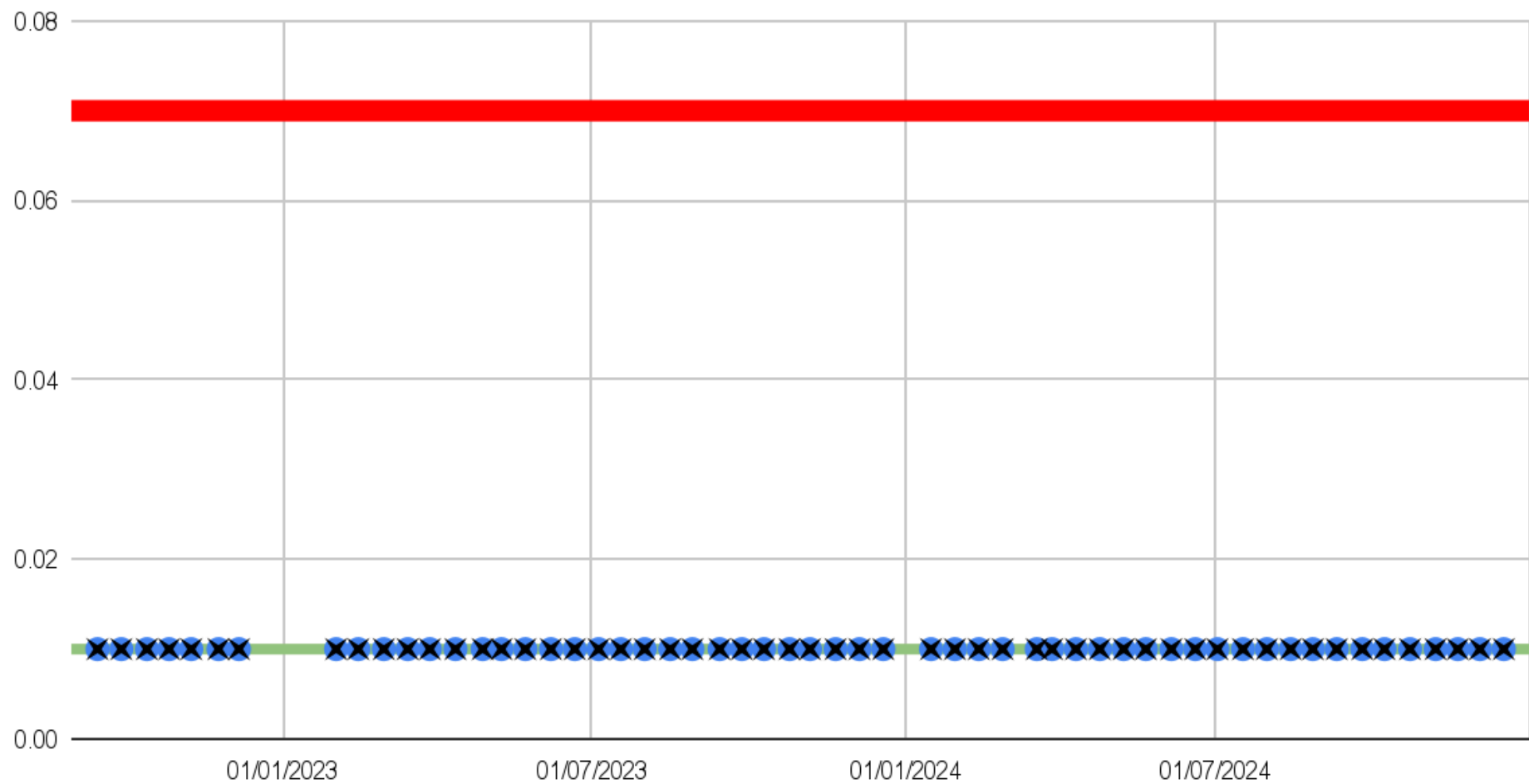




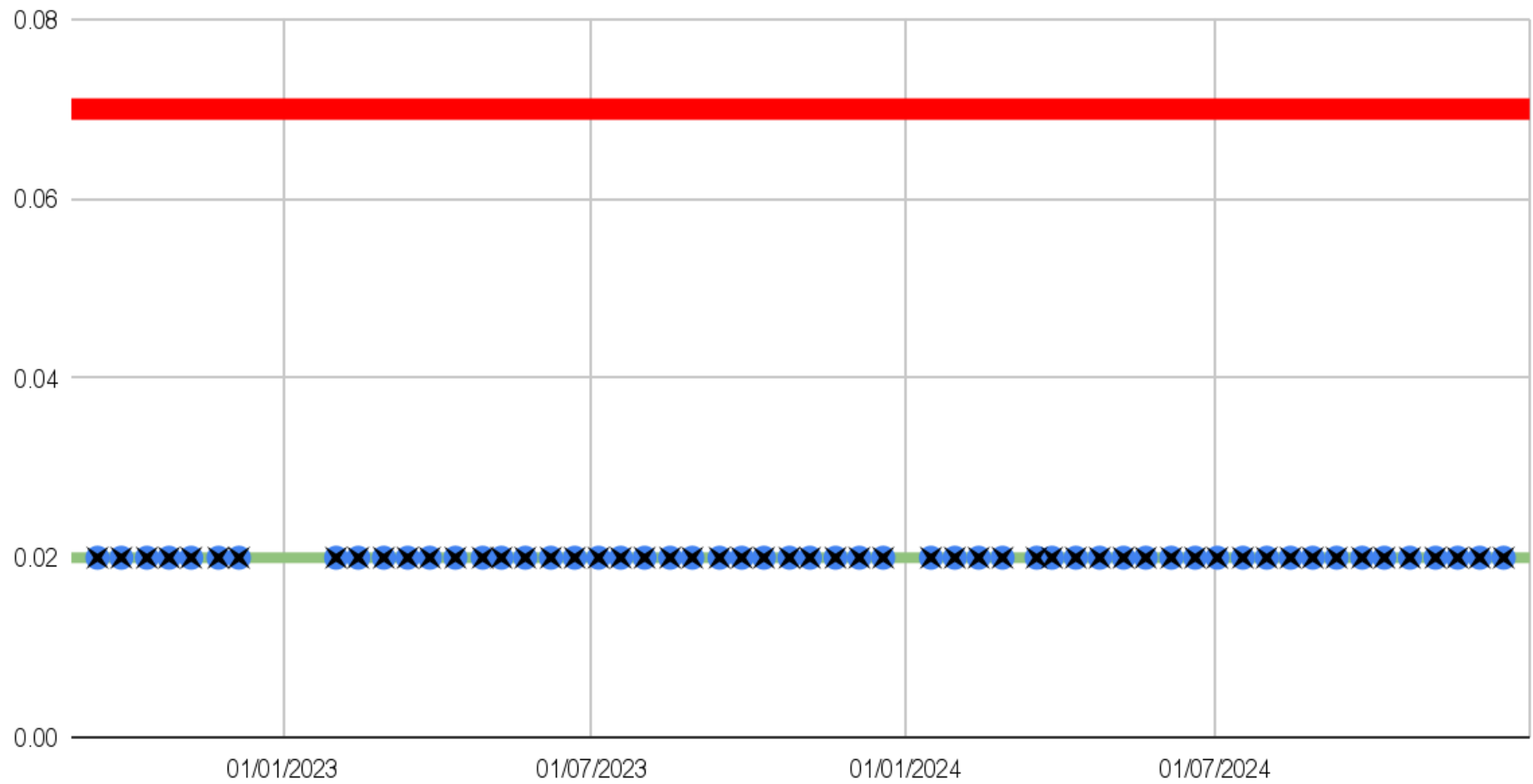
● Long. Treated Water Tank PFOA (µg/L) ✕ Long. Hydrants PFOA (µg/L) PFOA + PFOS 0.07 µg/L — Limit
Non Detect Results —

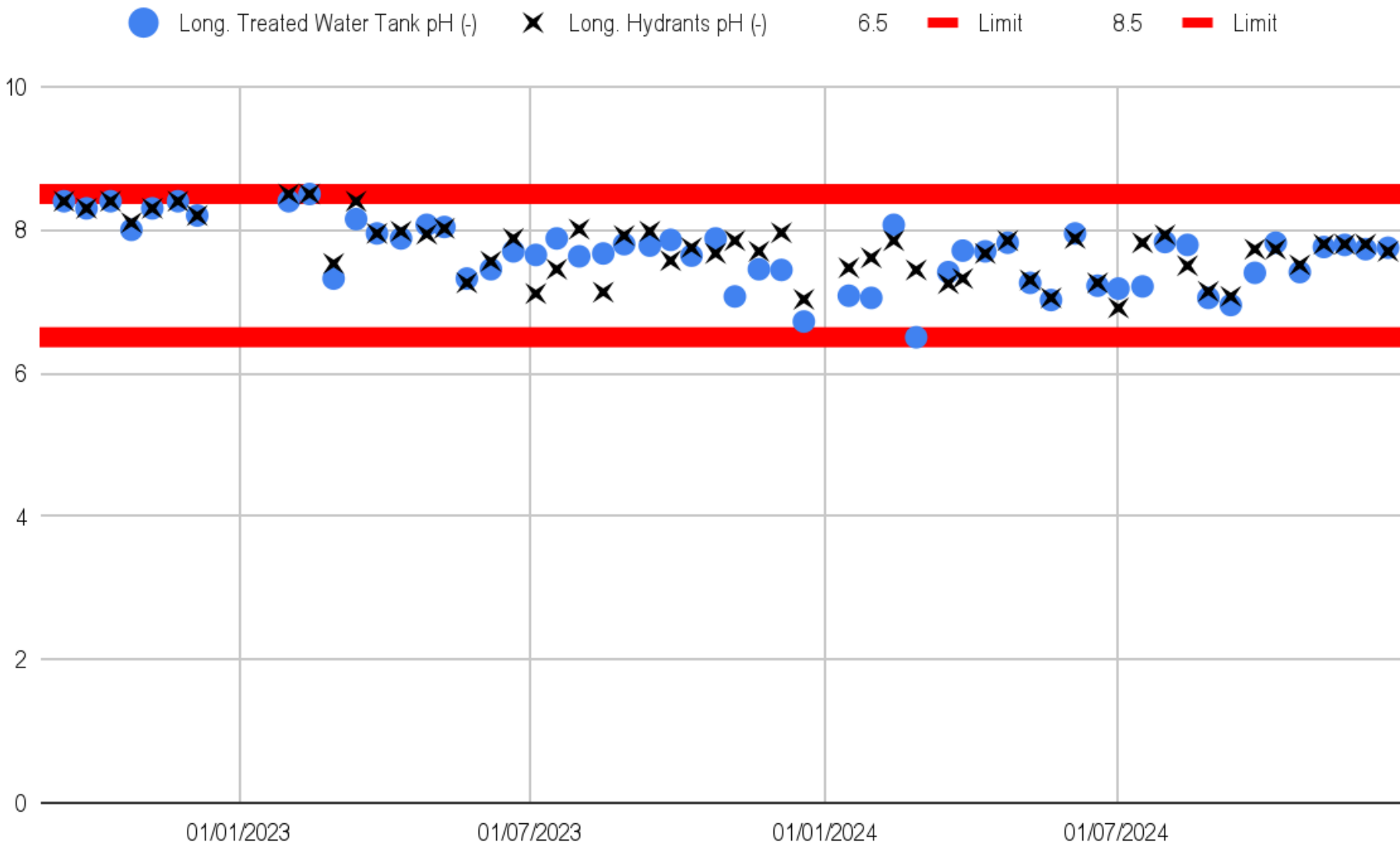


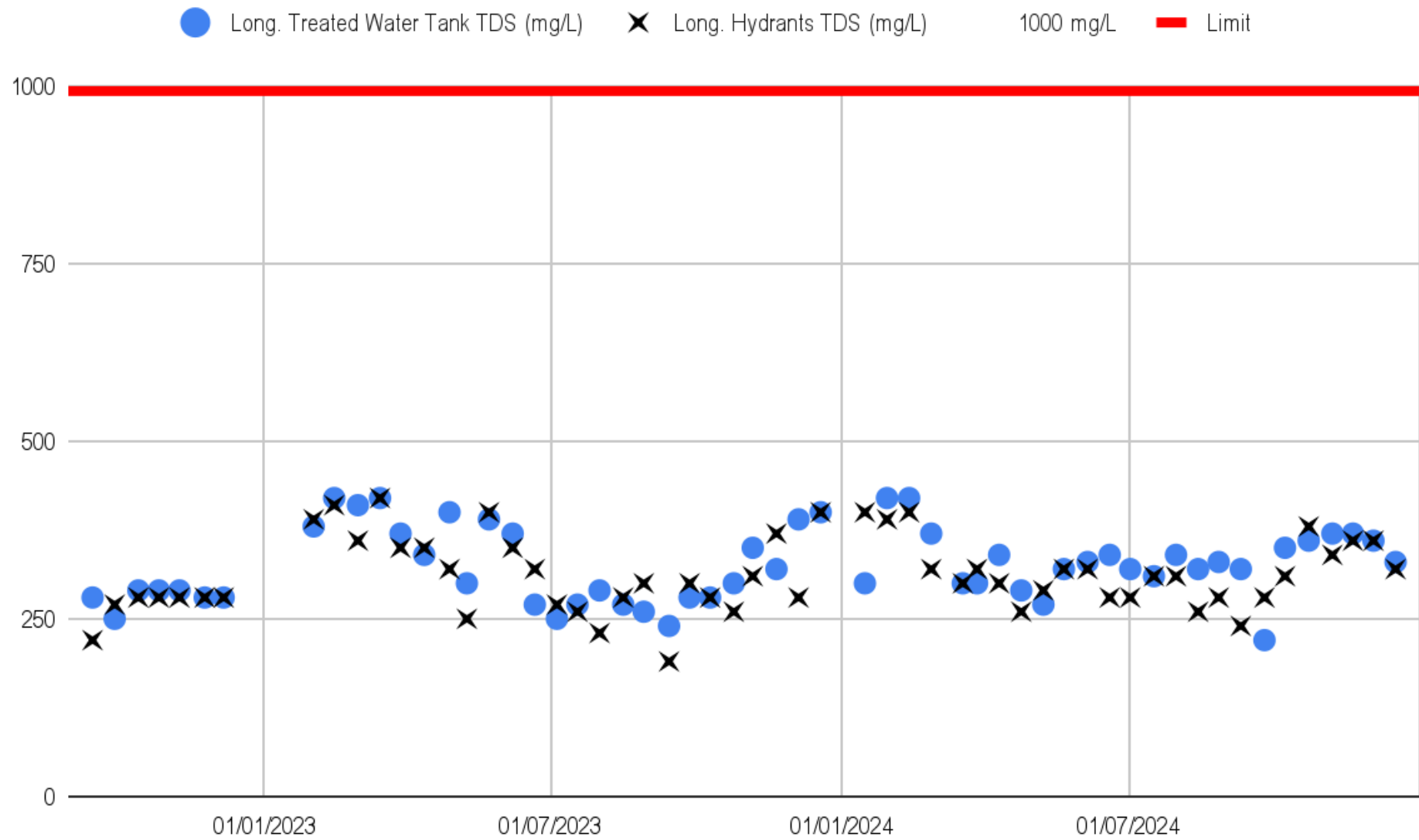
● Long. Treated Water Tank PFOS (µg/L) ✕ Long. Hydrants PFOS (µg/L) PFOA + PFOS 0.07 µg/L — Limit
Non Detect Results —

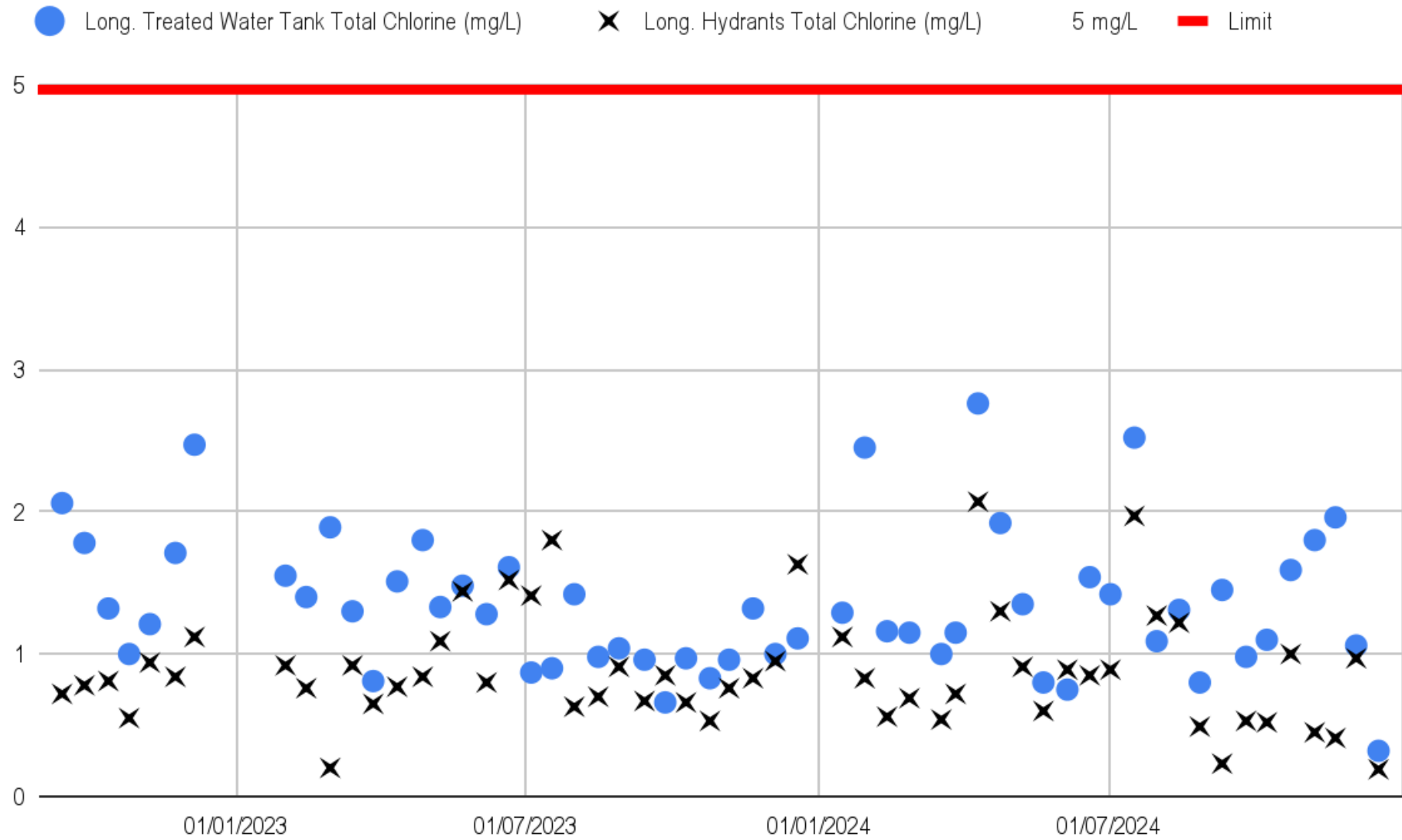


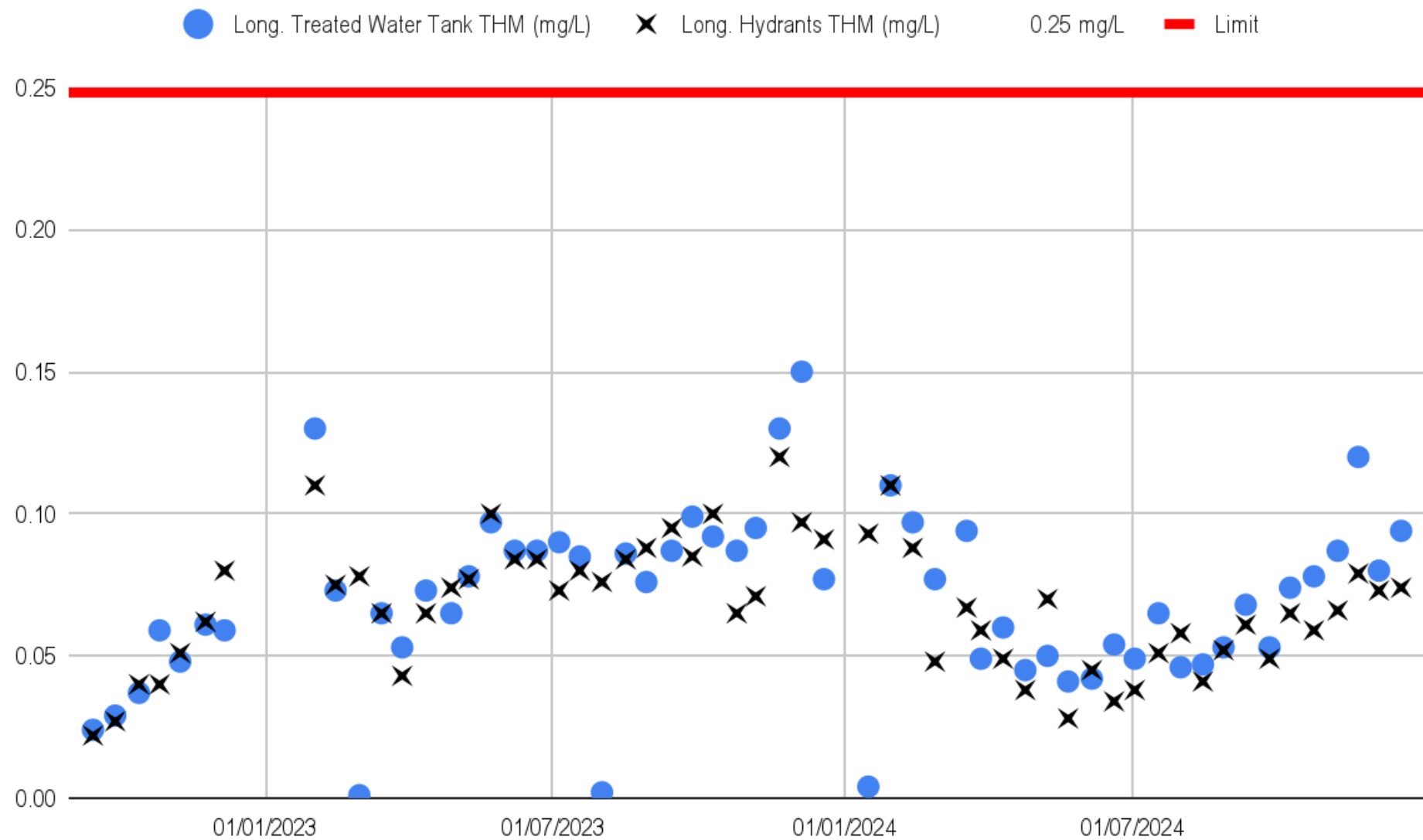
● Long. Treated Water Tank PFHxS (µg/L) ✕ Long. Hydrants PFHxS (µg/L) PFOS + PFHxS µg/L ■ Limit
Non Detect Results ■

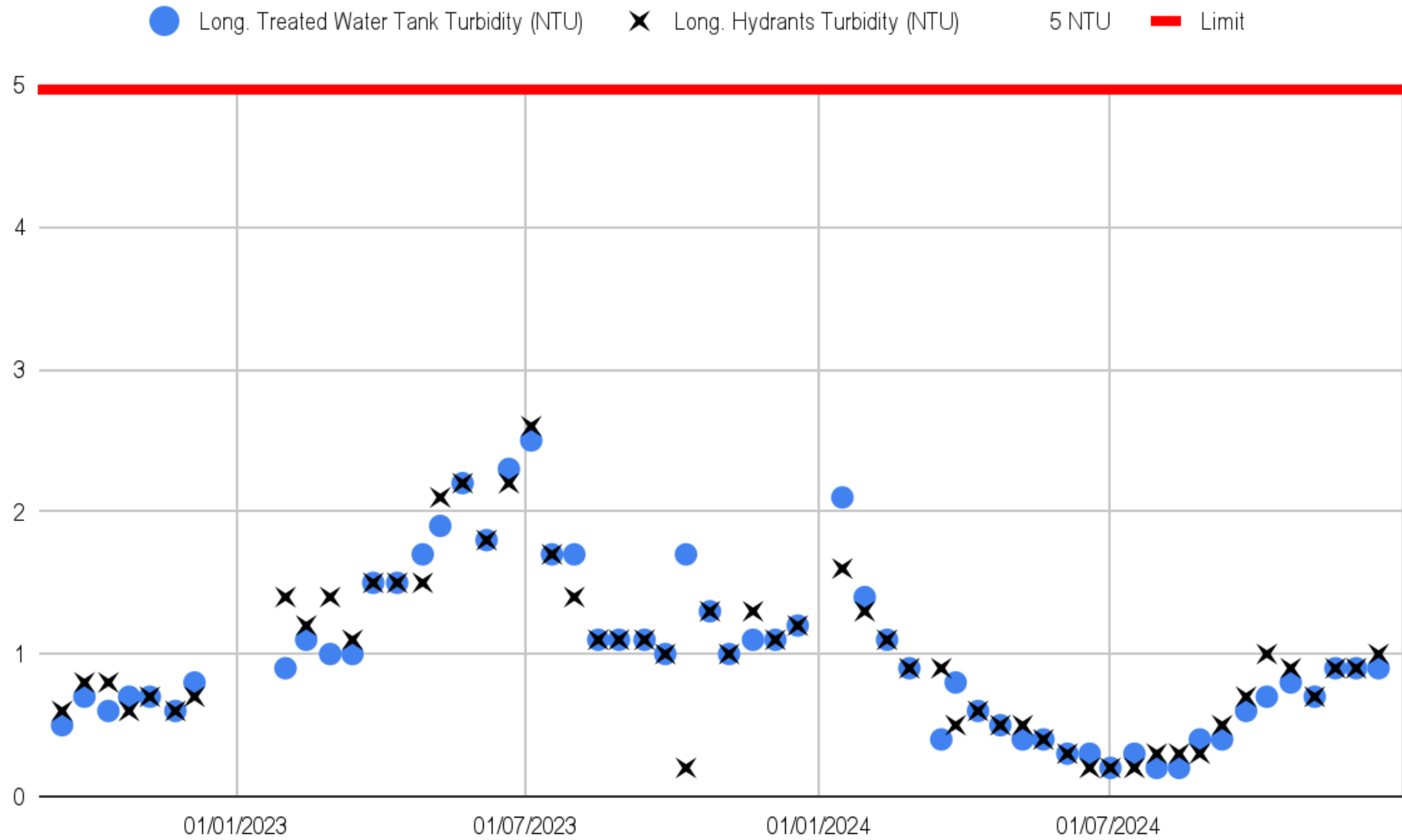


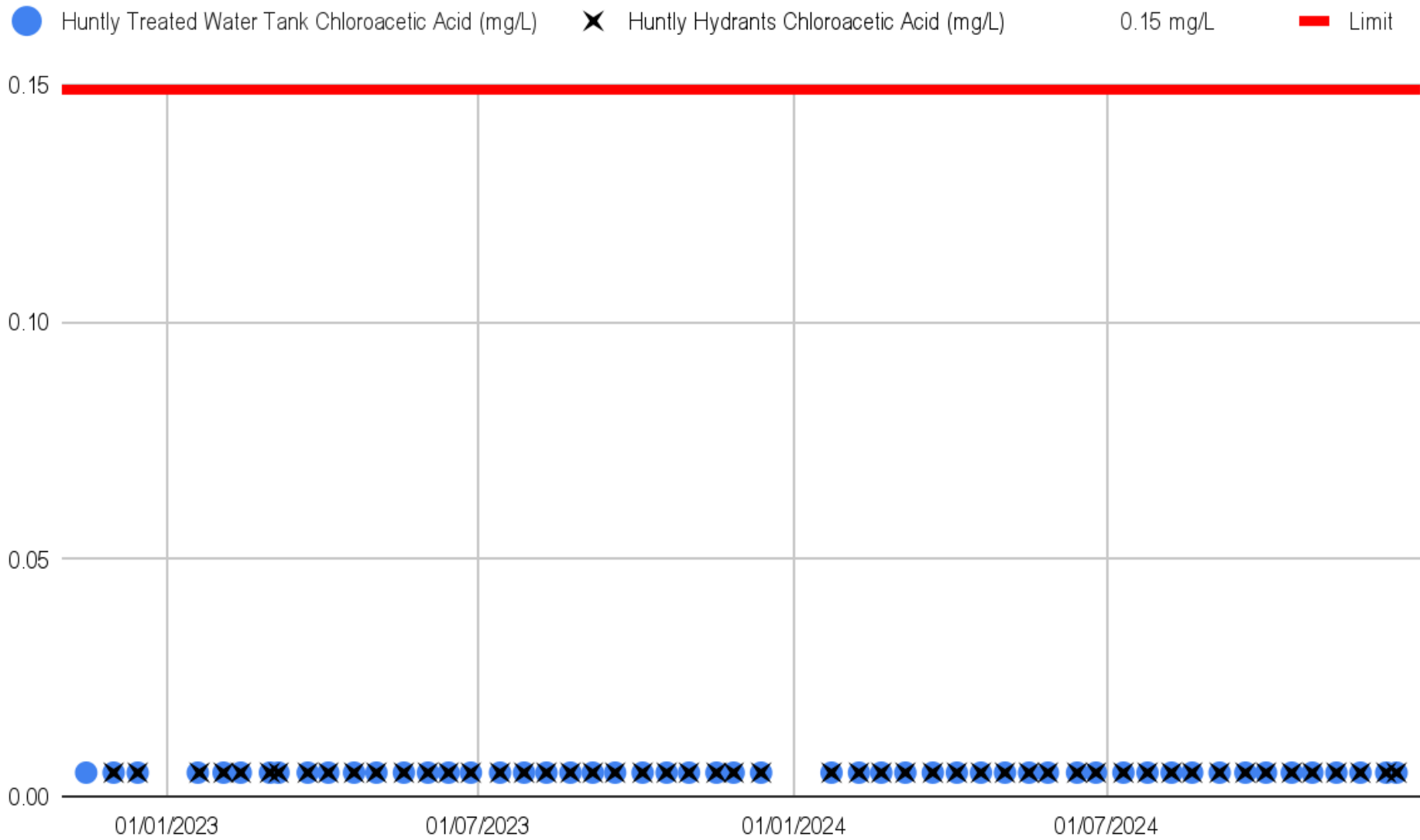


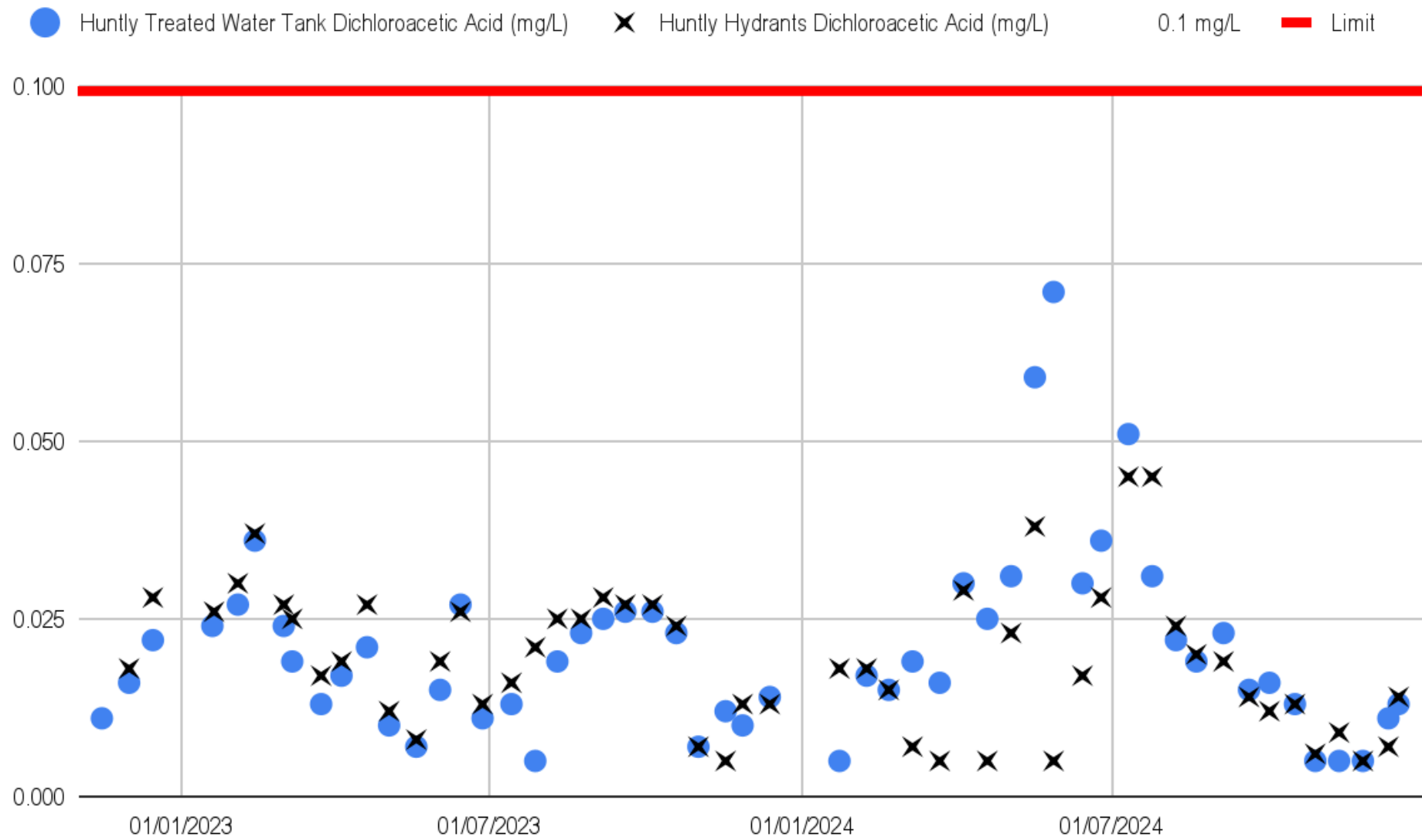














Huntly Treated Water Tank Trichloroacetic Acid (mg/L)

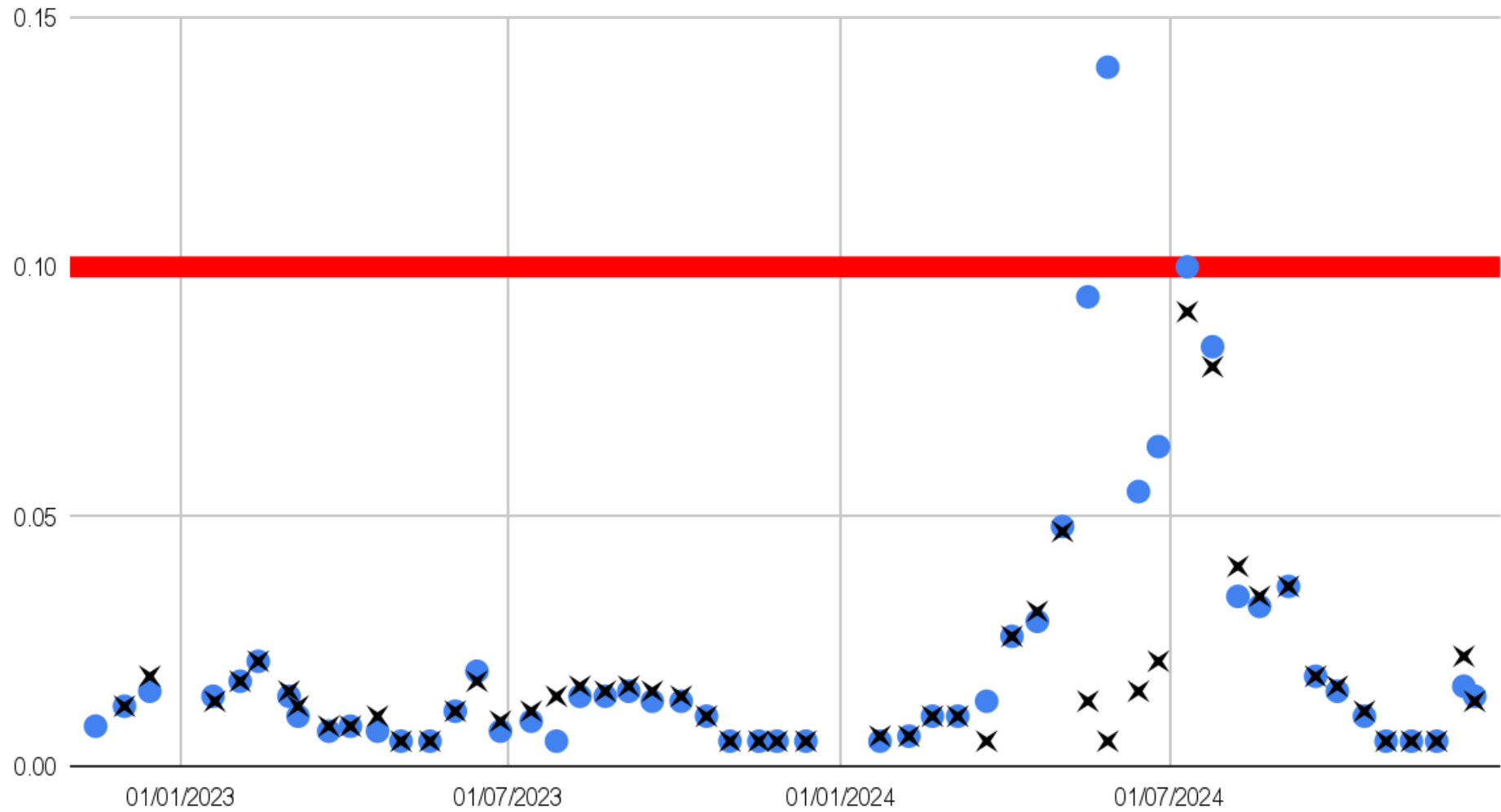


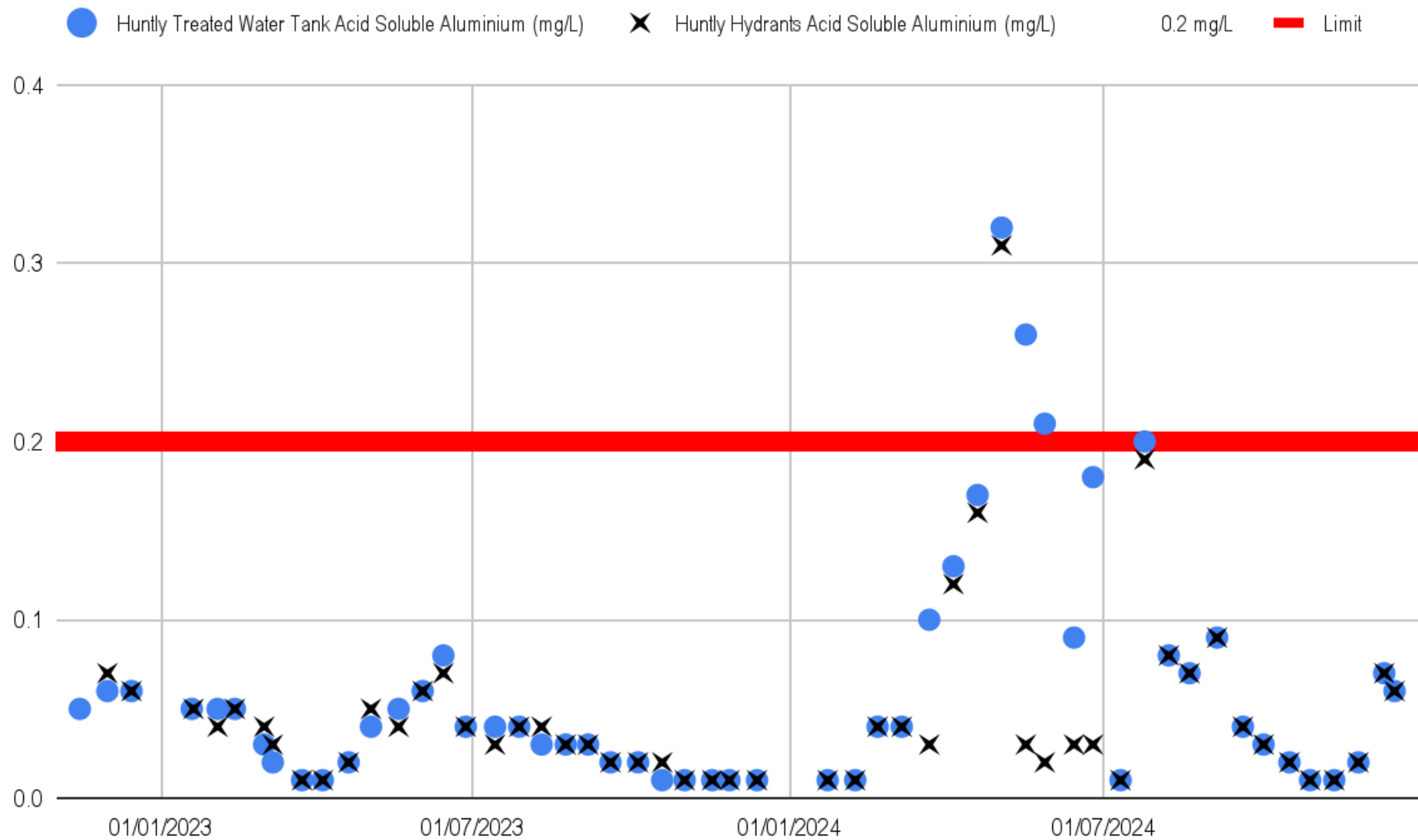
Huntly Hydrants Trichloroacetic Acid (mg/L)

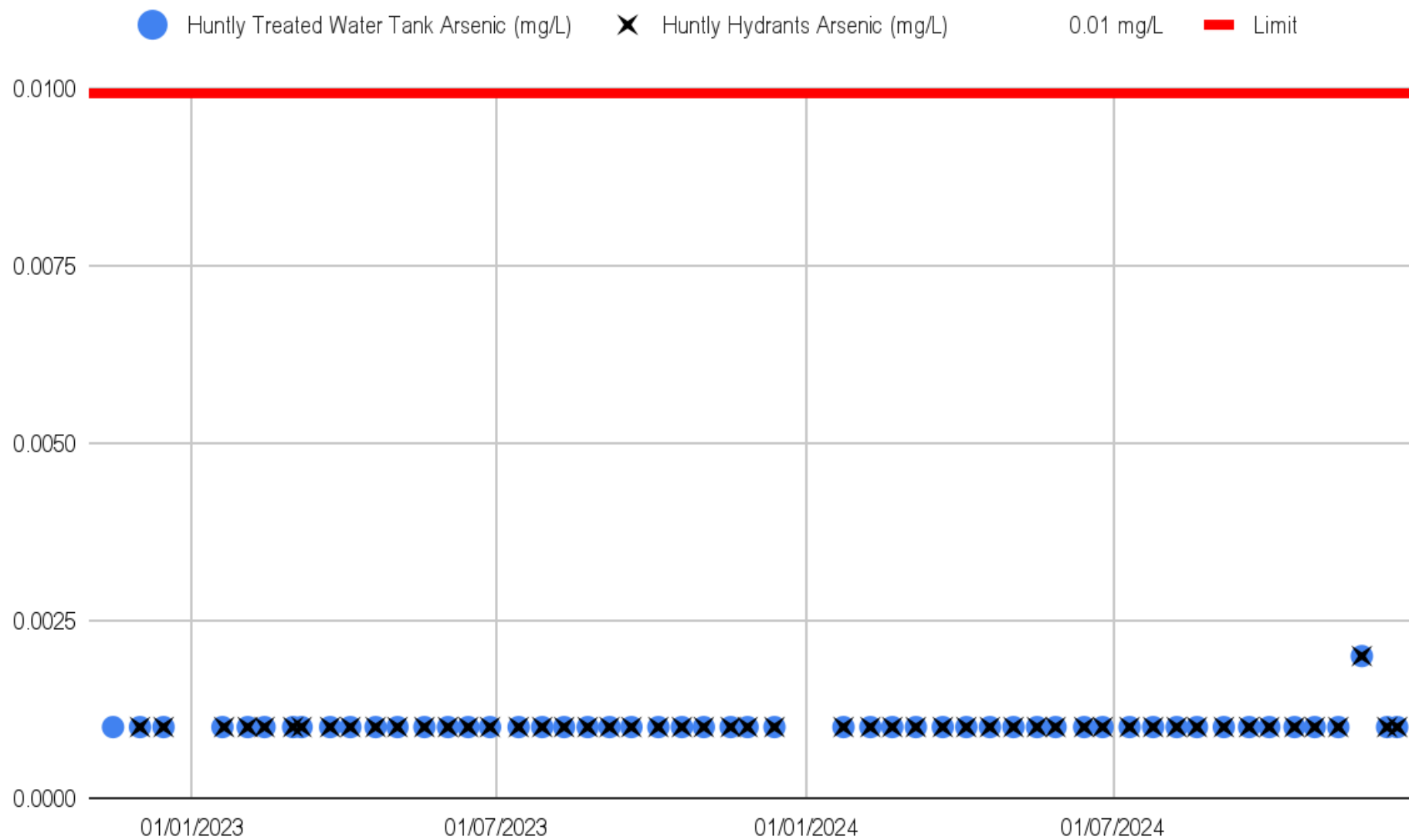
0.1 mg/L

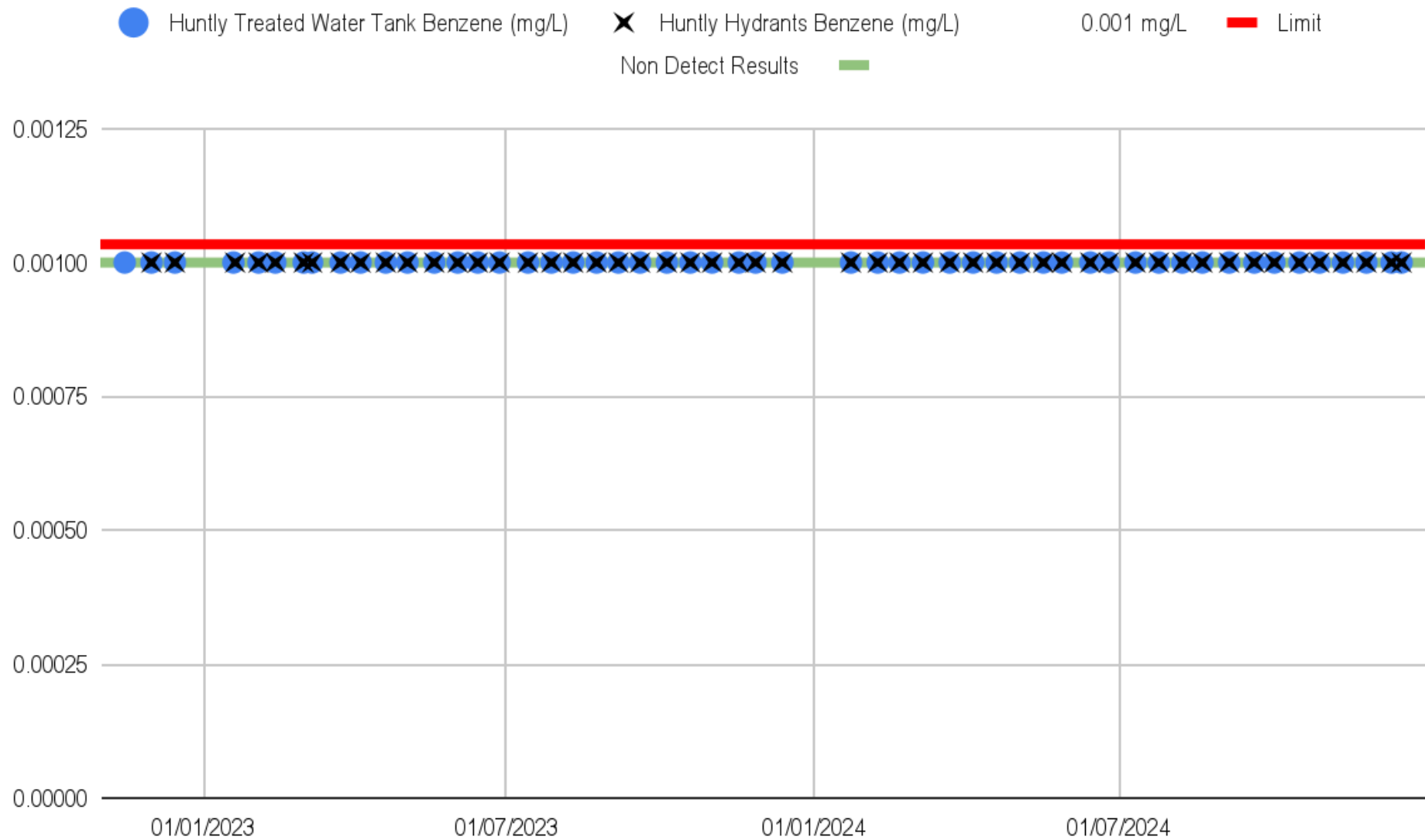


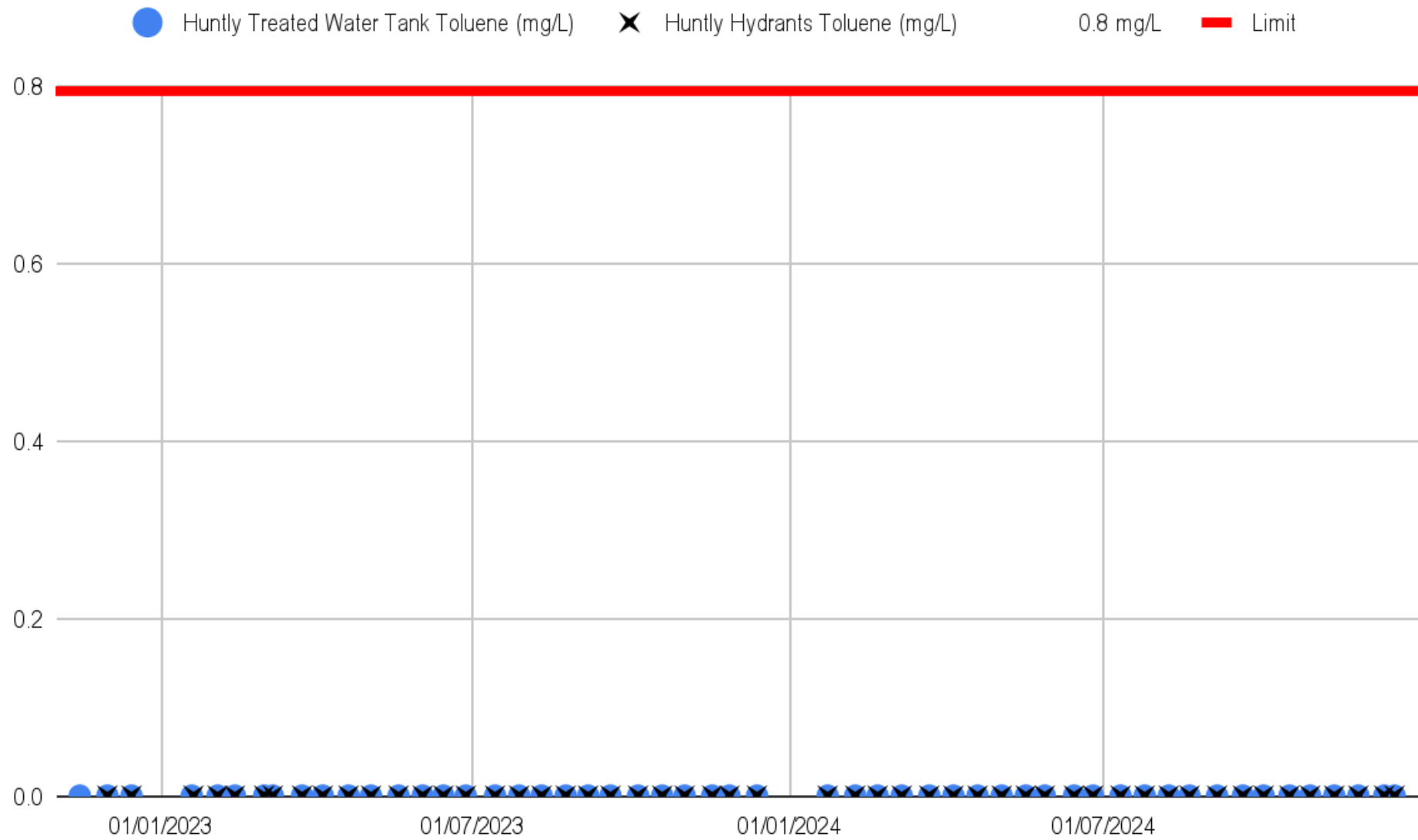
Limit

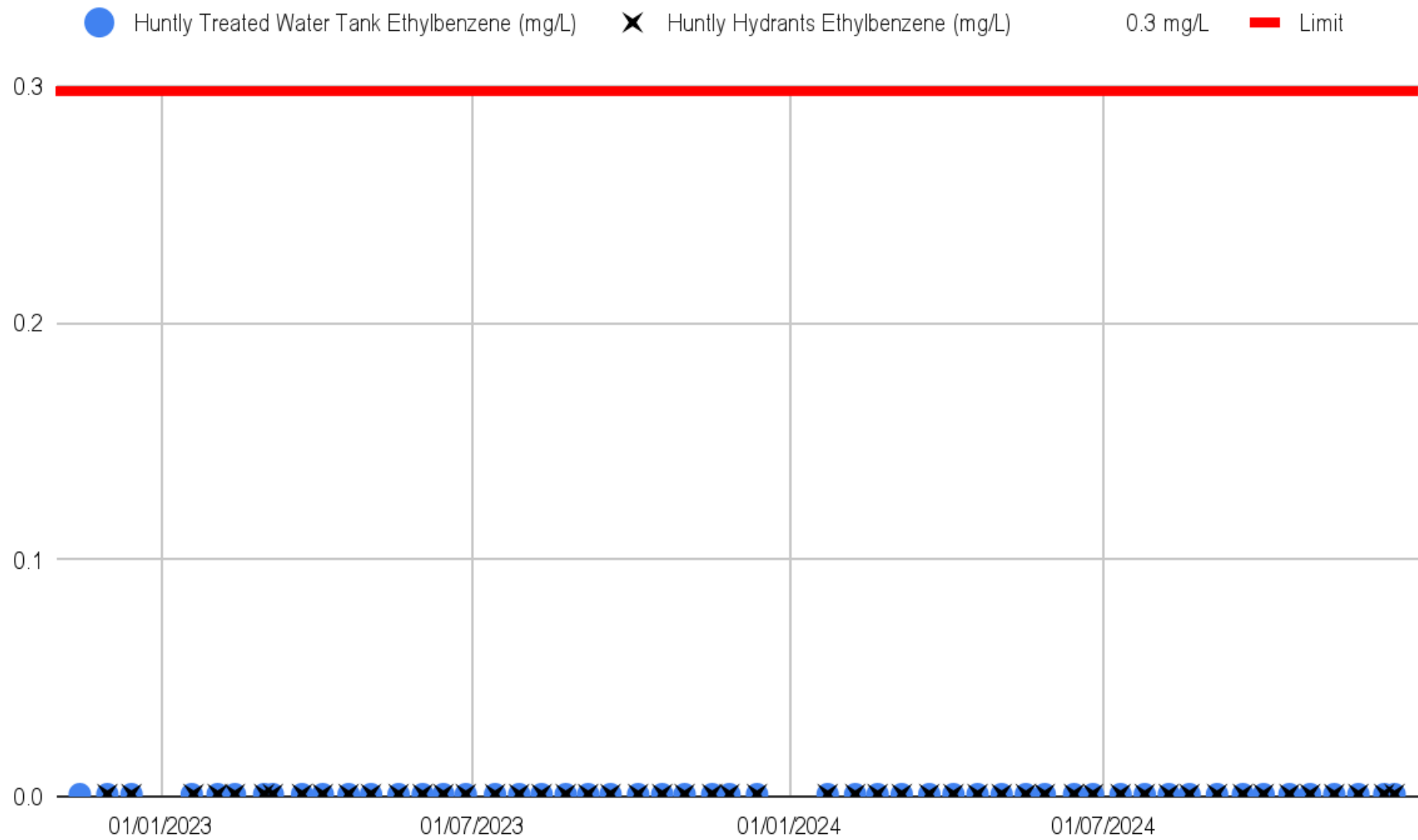


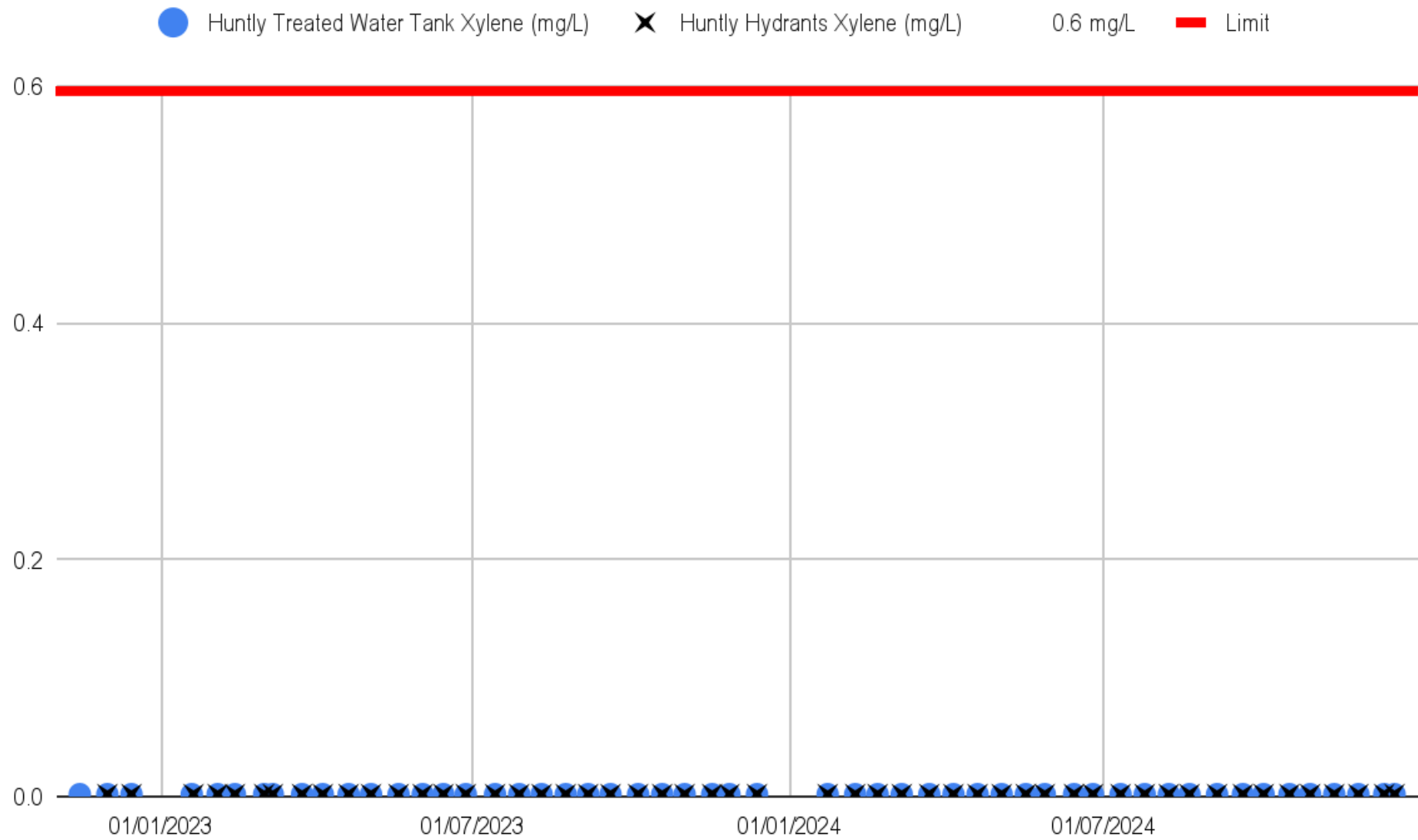




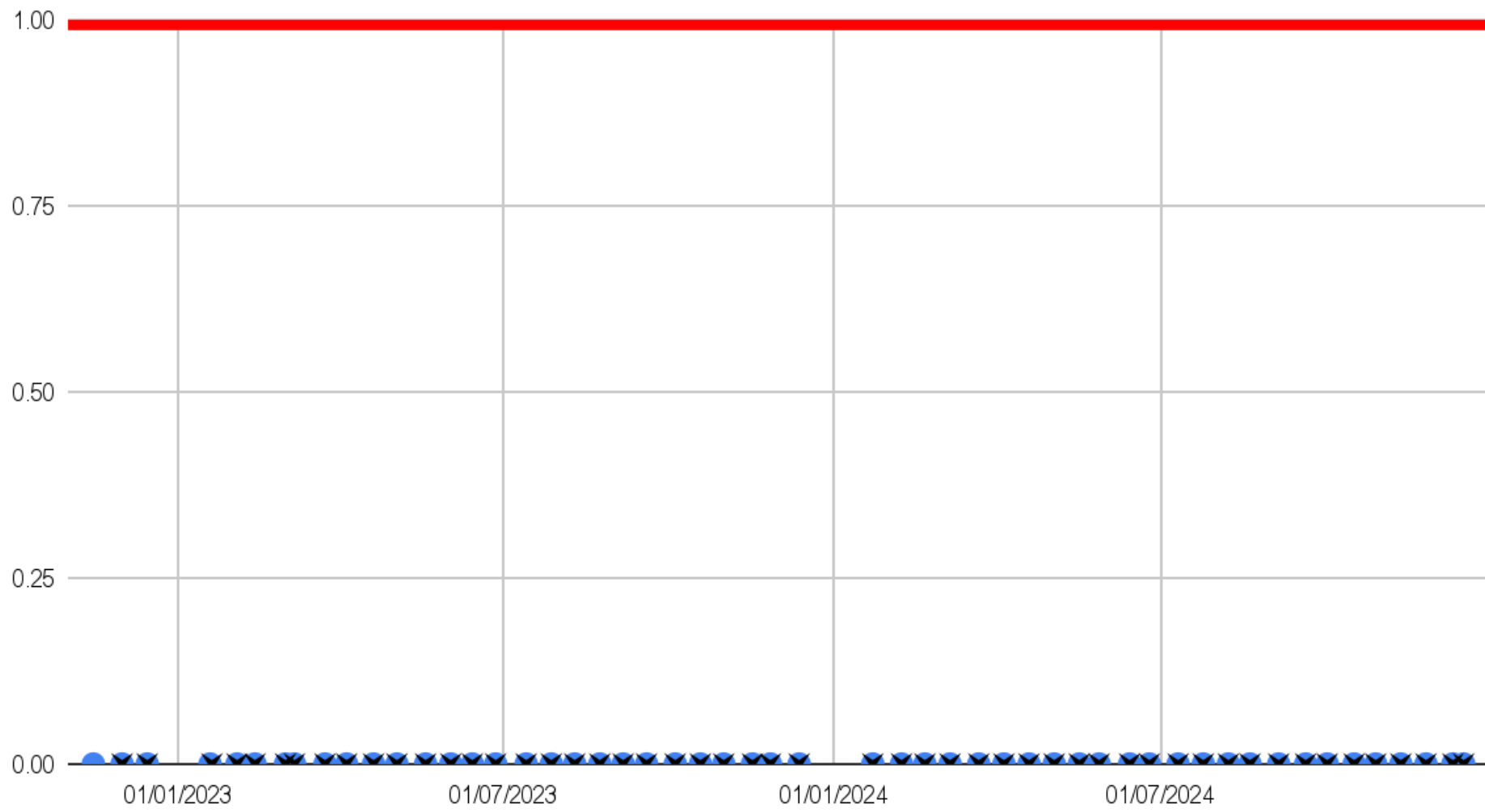


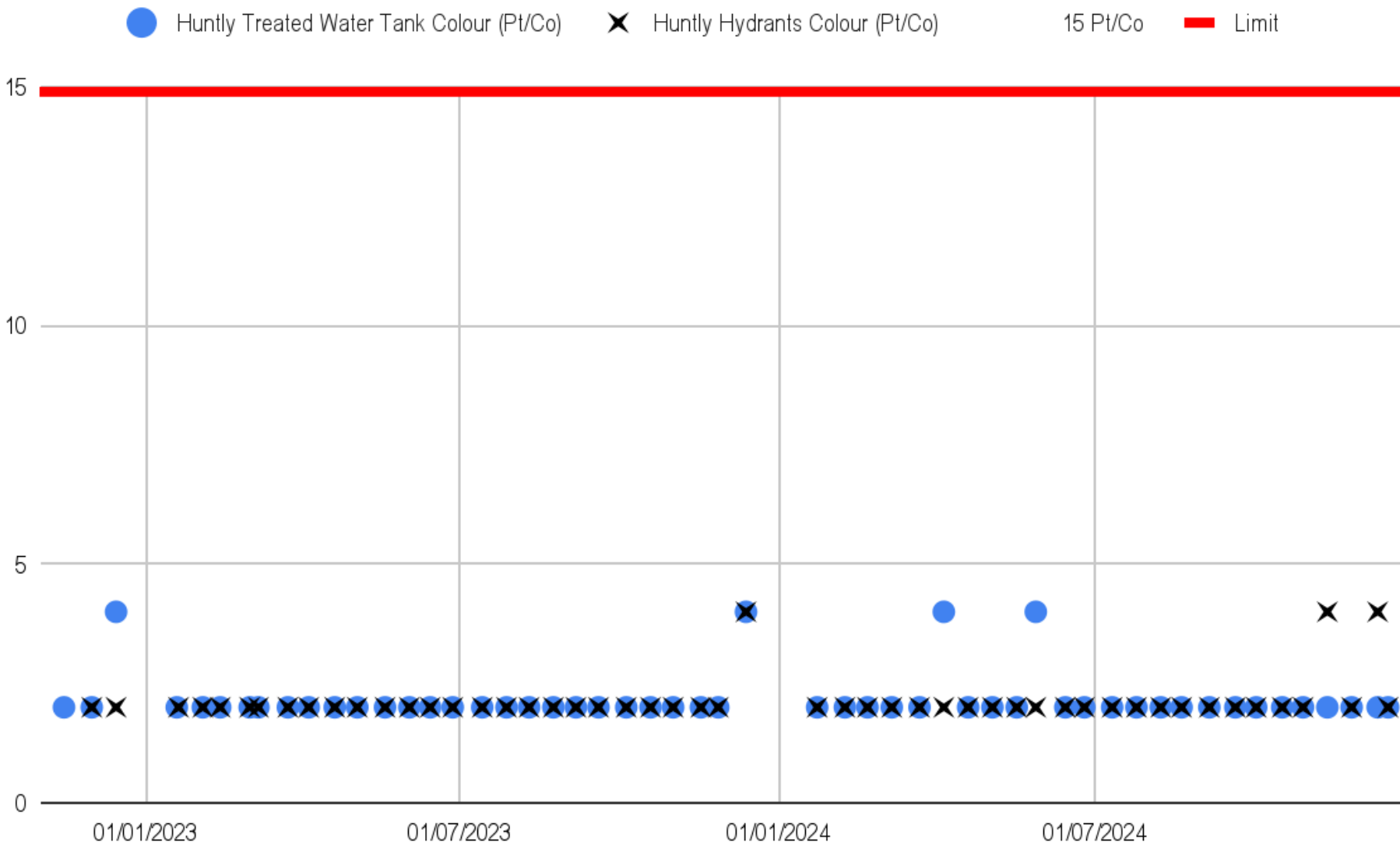


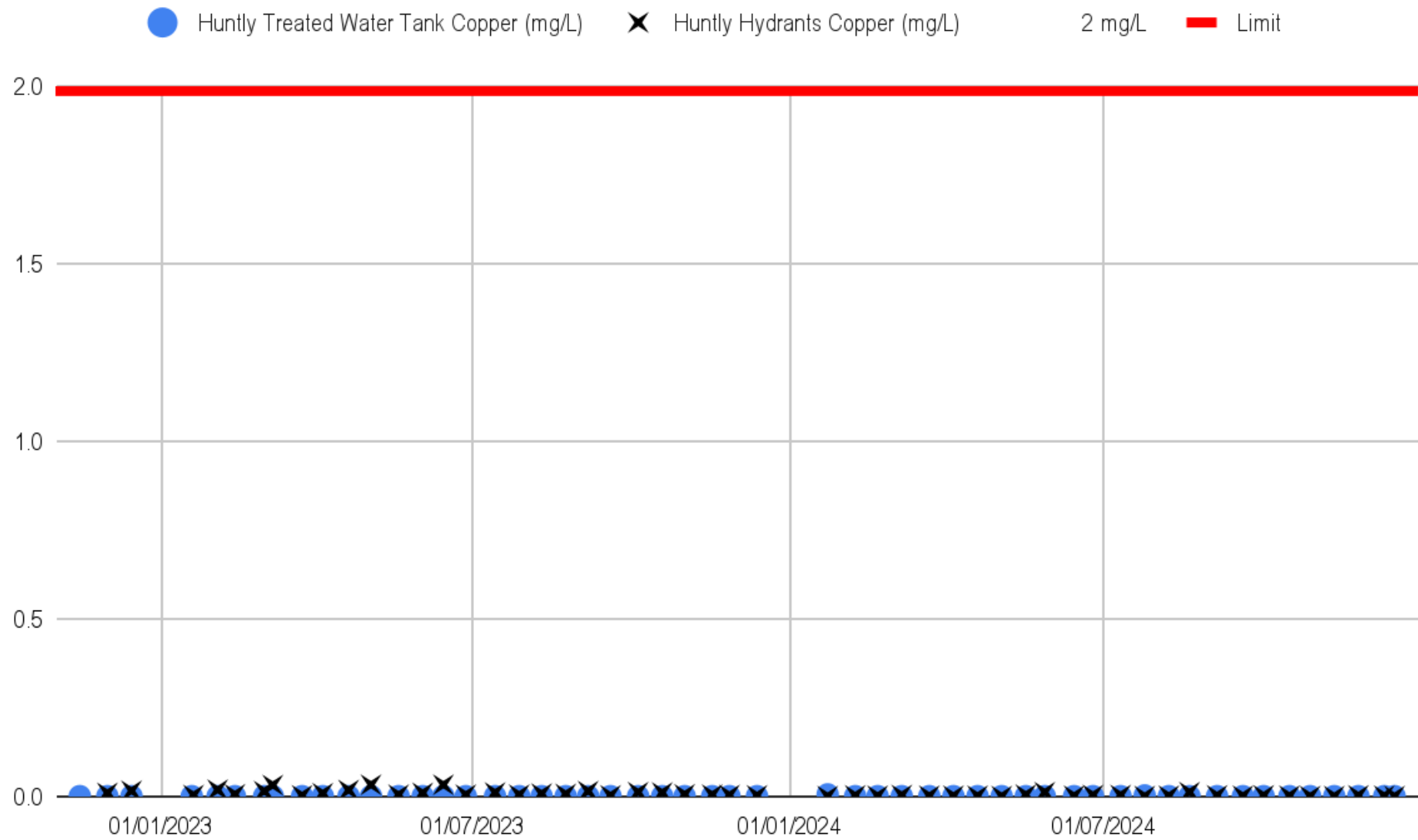




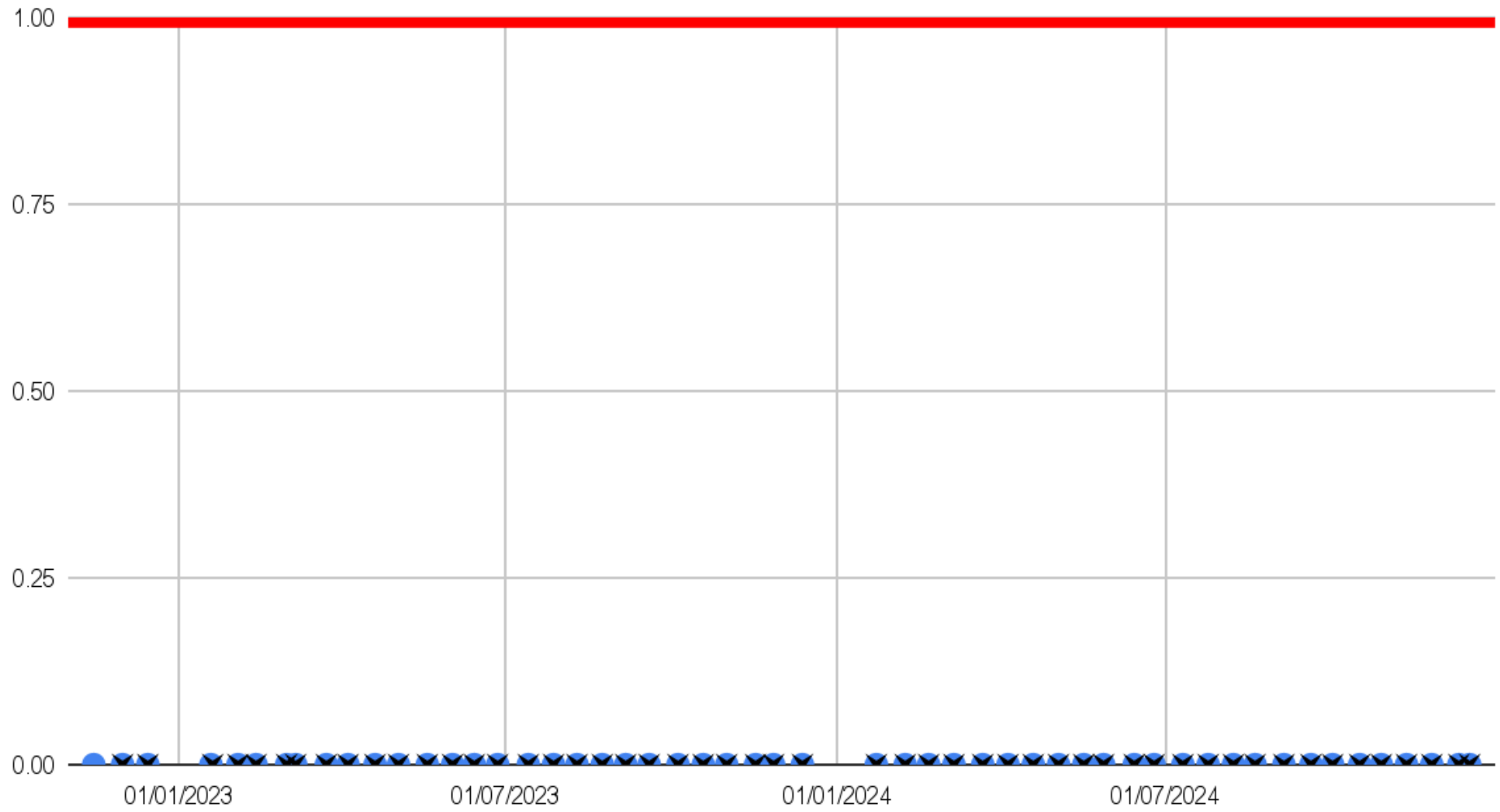
● Huntly Treated Water Tank Coliforms (CFU/100mL) ✕ Huntly Hydrants Coliforms (CFU/100mL) 1 CFU/100mL ■ Limit

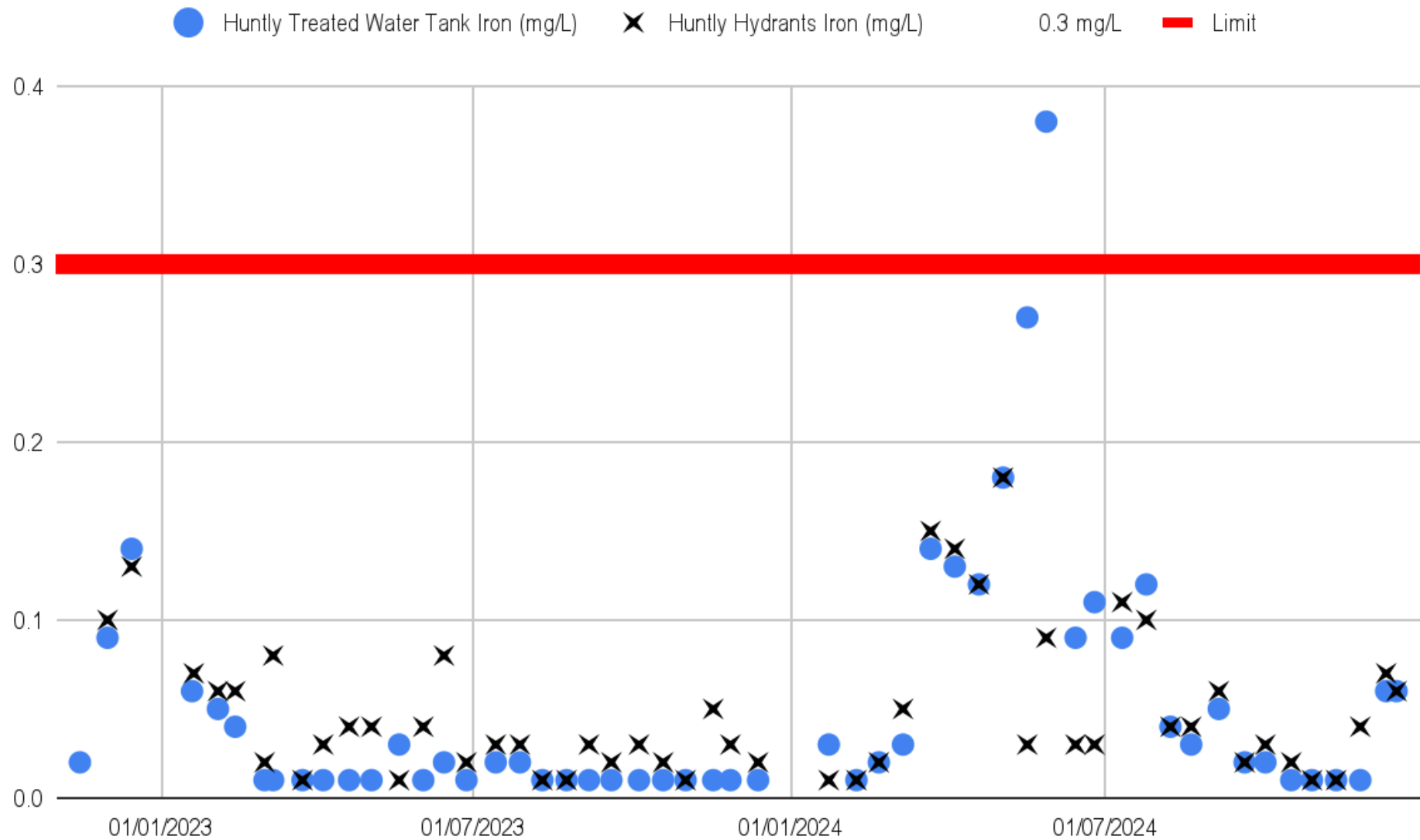


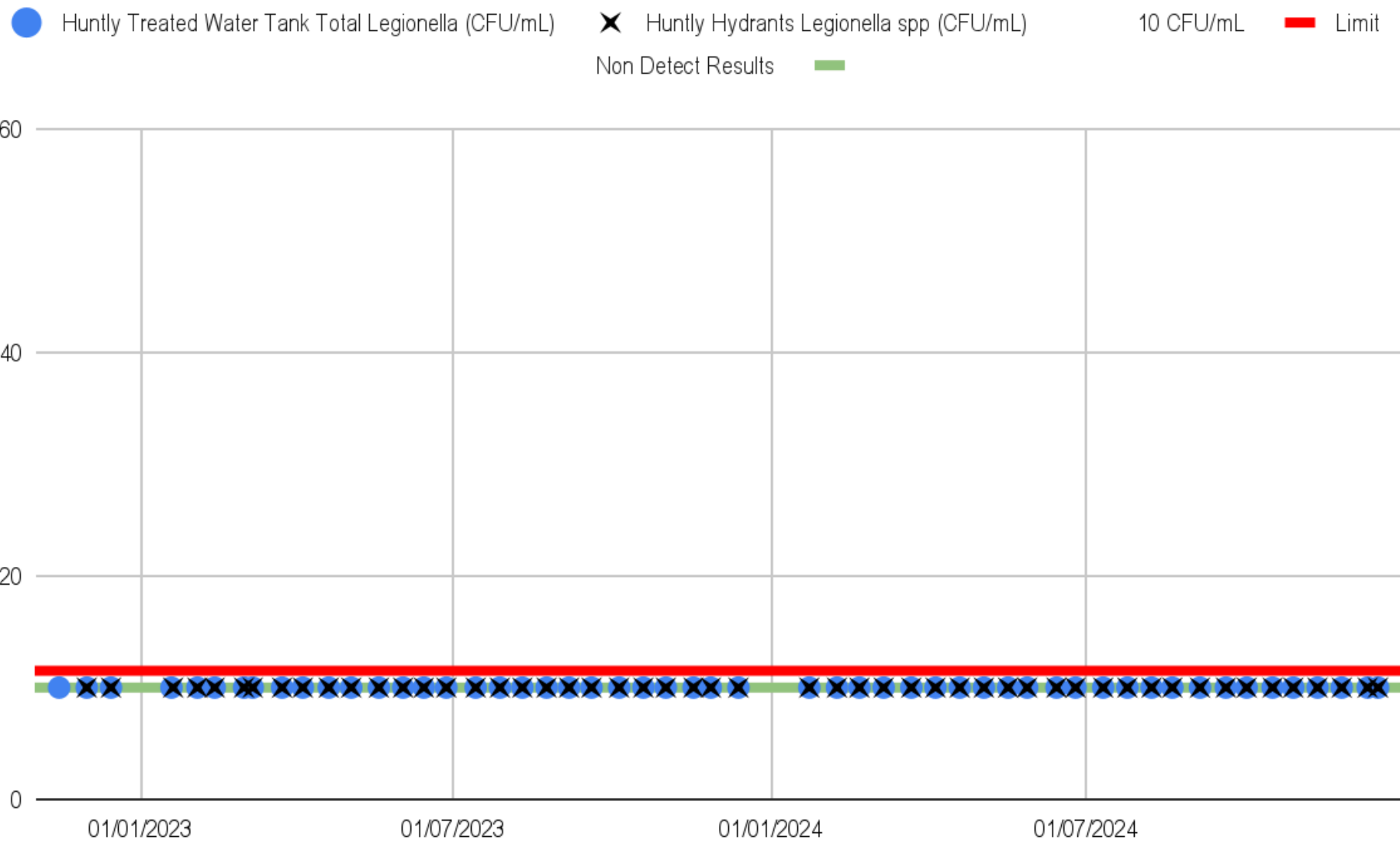


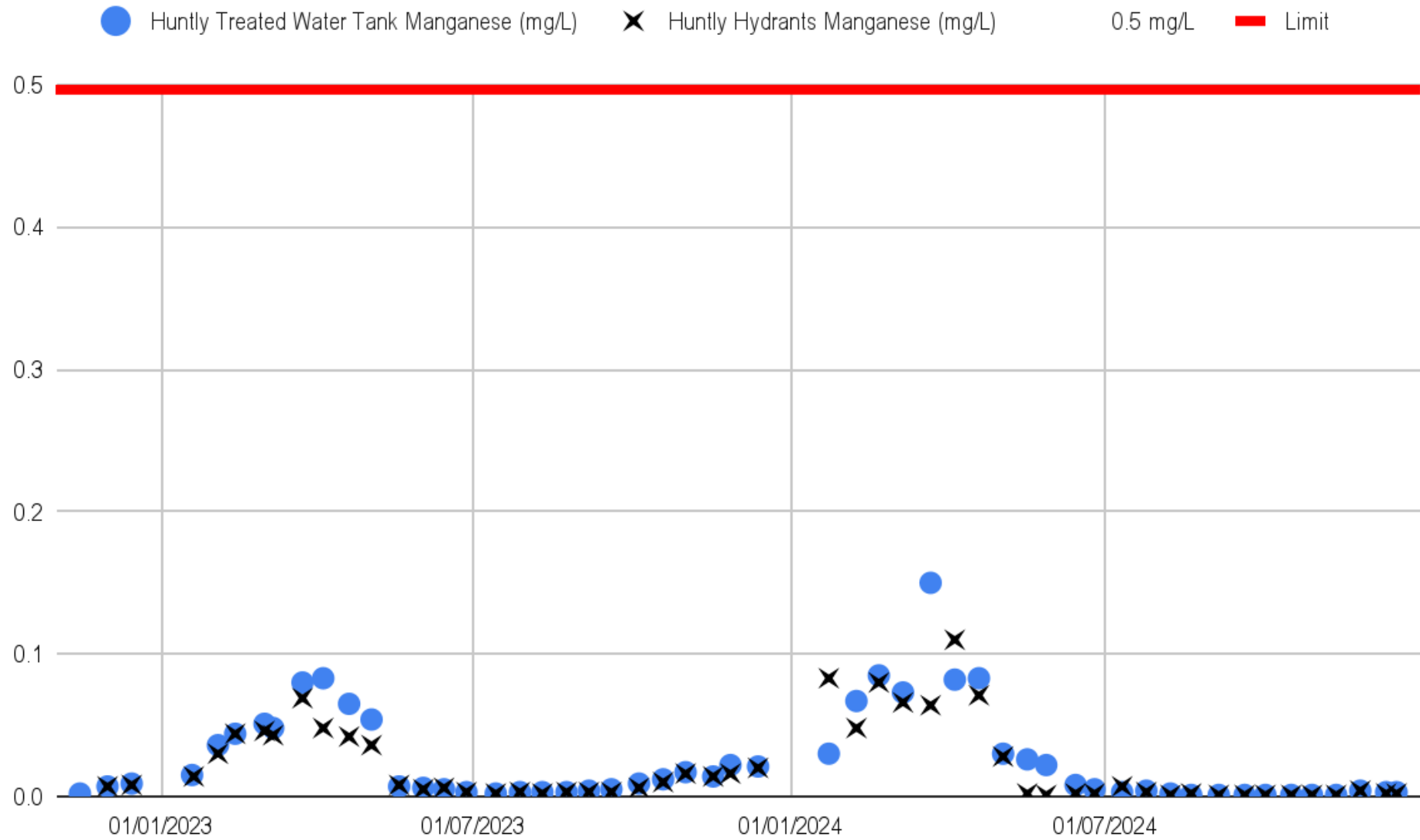


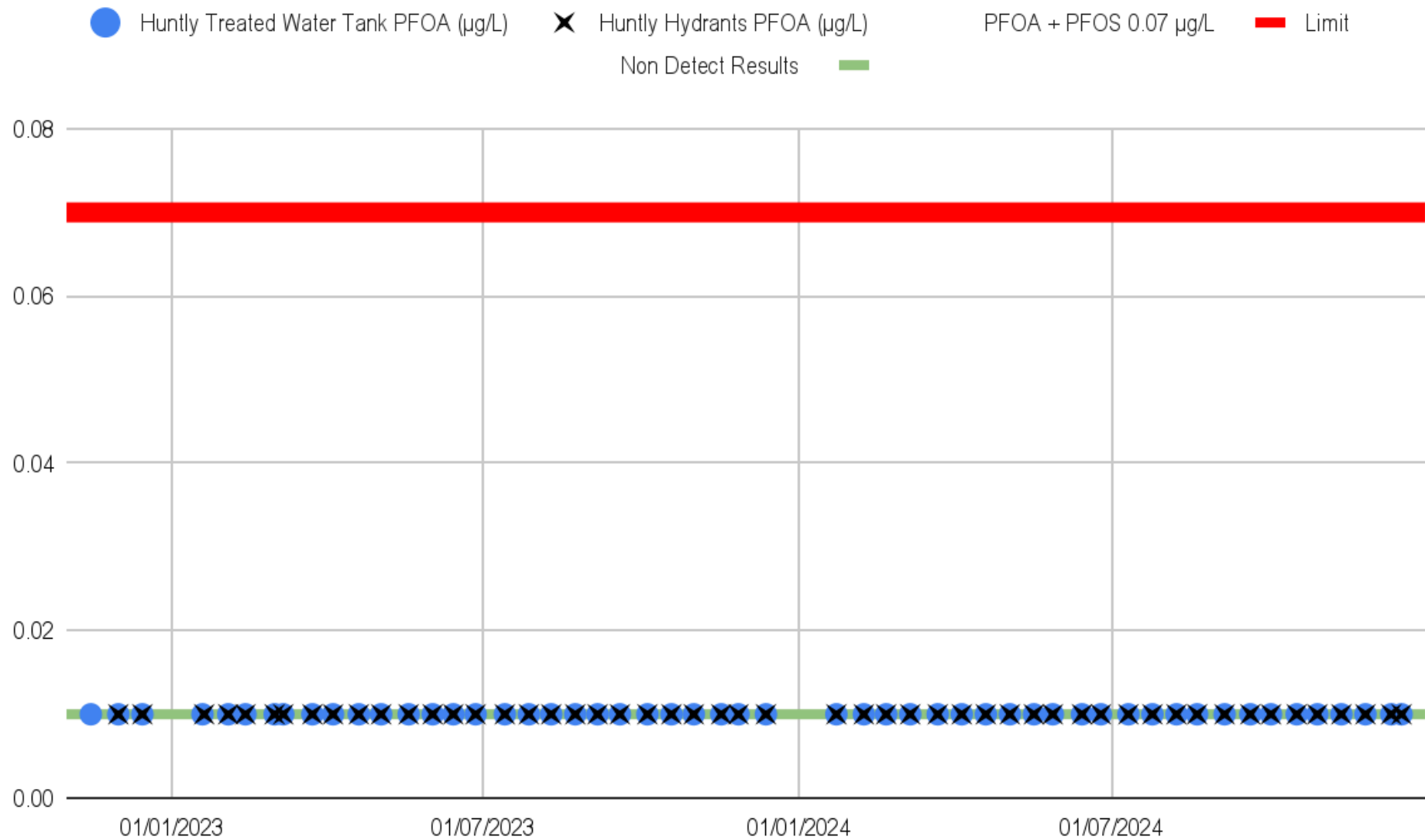
● Huntly Treated Water Tank E.coli (CFU/100mL) ✕ Huntly Hydrants E.coli (CFU/100mL) 1 CFU/100mL ■ Limit











● 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 ■

