

CFA VEMTC WMS

Quarterly Performance Report

Calendar Quarter Two 2022 - 01/04/2022 - 30/06/2022

Report Issue Date - 13/07/2022

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

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

WTP1 - Peshurst Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
13/04/2022	All results within Specification	11 of 11 hydrants within Specification (*)
28/04/2022	All results within Specification	11 of 11 hydrants within Specification (*)
10/05/2022	All results within Specification	11 of 11 hydrants within Specification (*)
24/05/2022	All results within Specification	11 of 11 hydrants within Specification (*)
07/06/2022	All results within Specification	11 of 11 hydrants within Specification (*)
21/06/2022	All results within Specification	11 of 11 hydrants within Specification (*)

WTP1 - Peshurst Results Discussion

Treated water tank outlet and all hydrants within Specification.

(*) The Peshurst hydrants were filled with town water for these samples. The untreated water basin level was too low for the WMS to run and produce water.



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WTP2 - Wangaratta Water Quality Summary		
Sample Date	Treated Water Tank Outlet	Hydrants
11/04/2022	All results within Specification	9 of 9 hydrants within Specification
26/04/2022	All results within Specification	9 of 9 hydrants within Specification
10/05/2022	All results within Specification	9 of 9 hydrants within Specification
24/05/2022	All results within Specification	9 of 9 hydrants within Specification
06/06/2022	All results within Specification	9 of 9 hydrants within Specification
21/06/2022	All results within Specification	9 of 9 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
05/04/2022	All results within Specification	12 of 12 hydrants within Specification
20/04/2022	All results within Specification	12 of 12 hydrants within Specification
03/05/2022	All results within Specification	12 of 12 hydrants within Specification
17/05/2022	All results within Specification	12 of 12 hydrants within Specification
31/05/2022	All results within Specification	12 of 12 hydrants within Specification
15/06/2022	All results within Specification	12 of 12 hydrants within Specification
28/06/2022	All results within Specification	12 of 12 hydrants within Specification

WTP3 - Sunraysia Results Discussion

Treated water tank outlet and all hydrants within Specification.

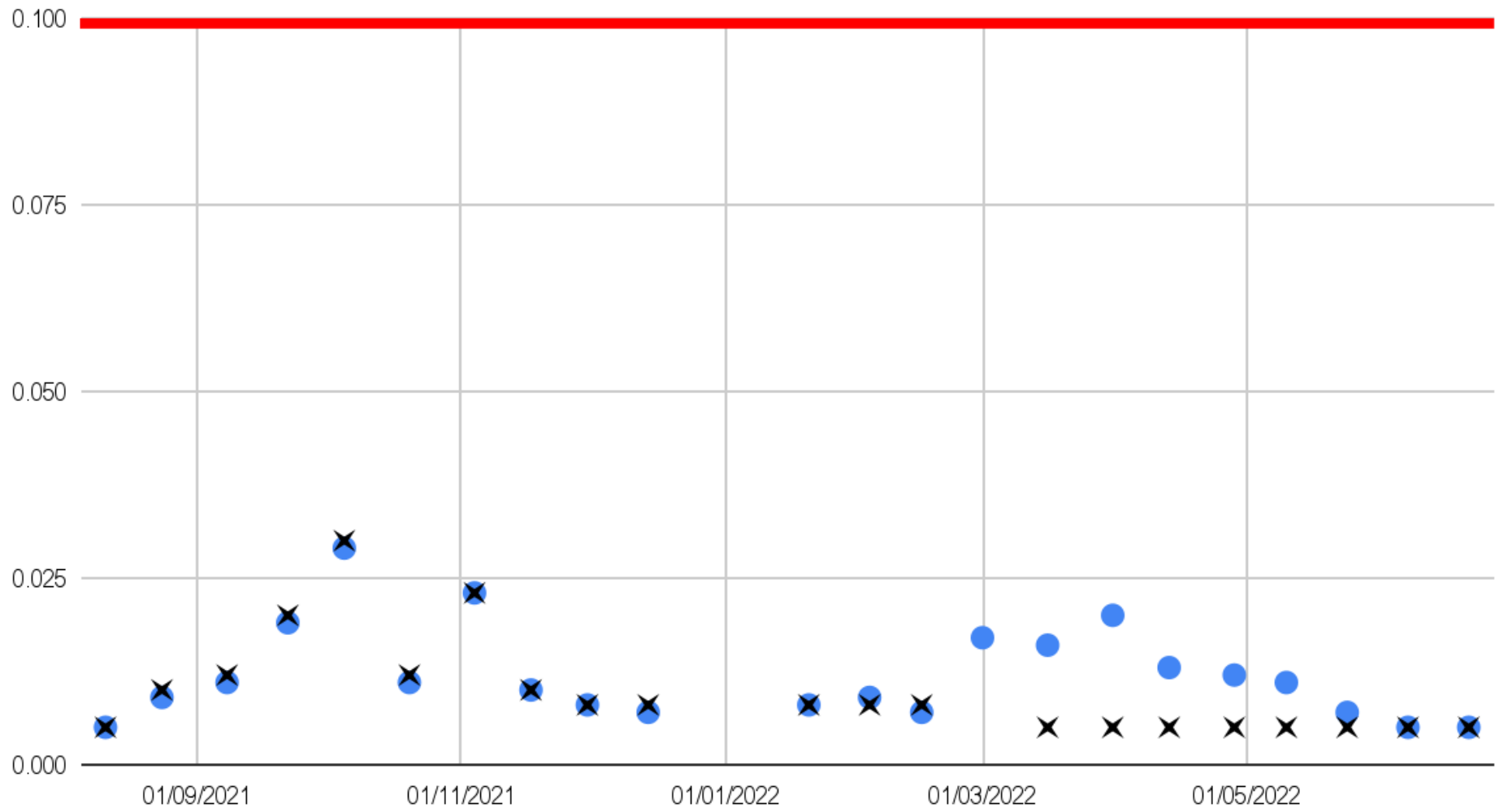


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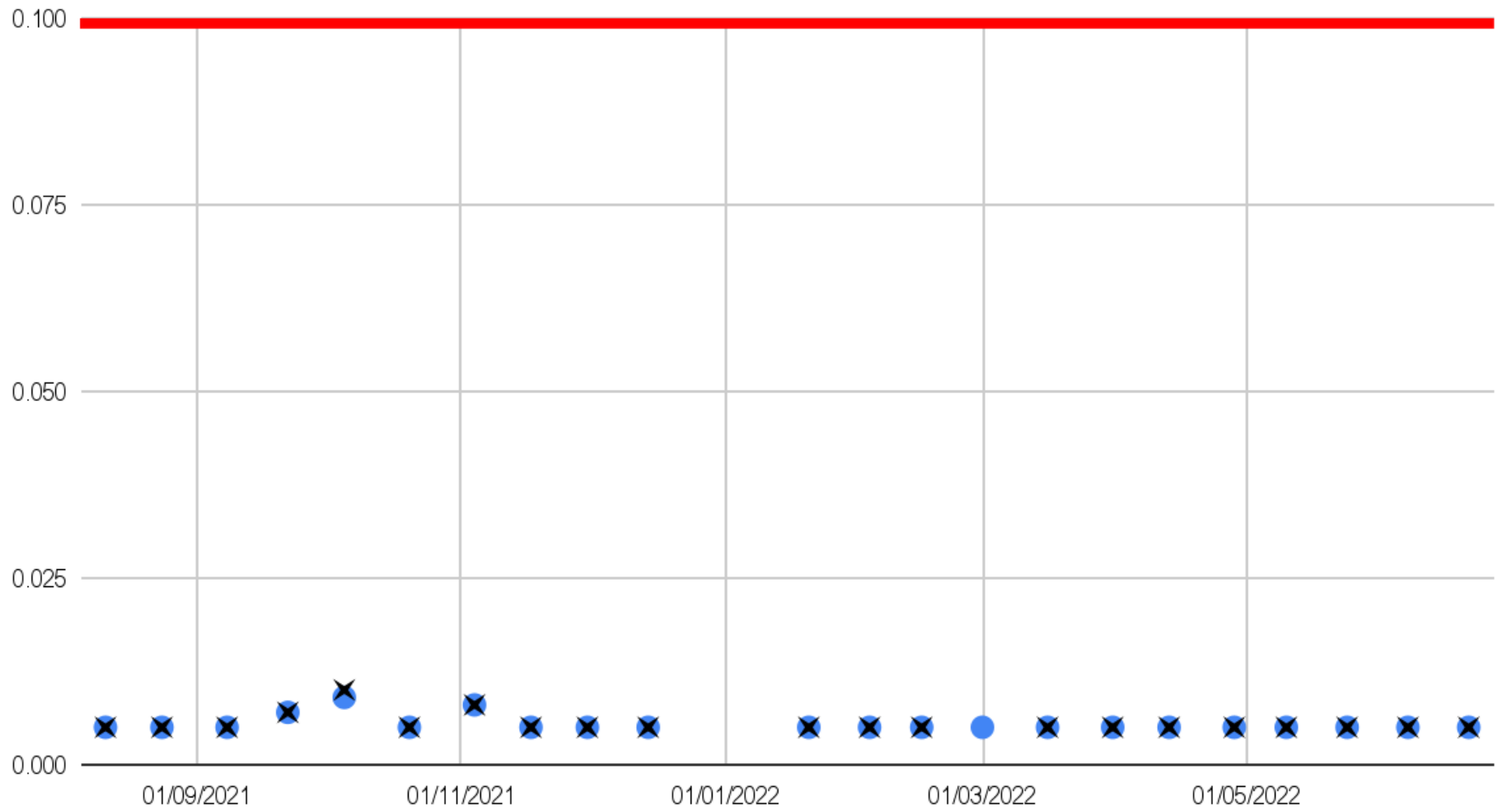
Water Quality Charts

External Laboratory Results

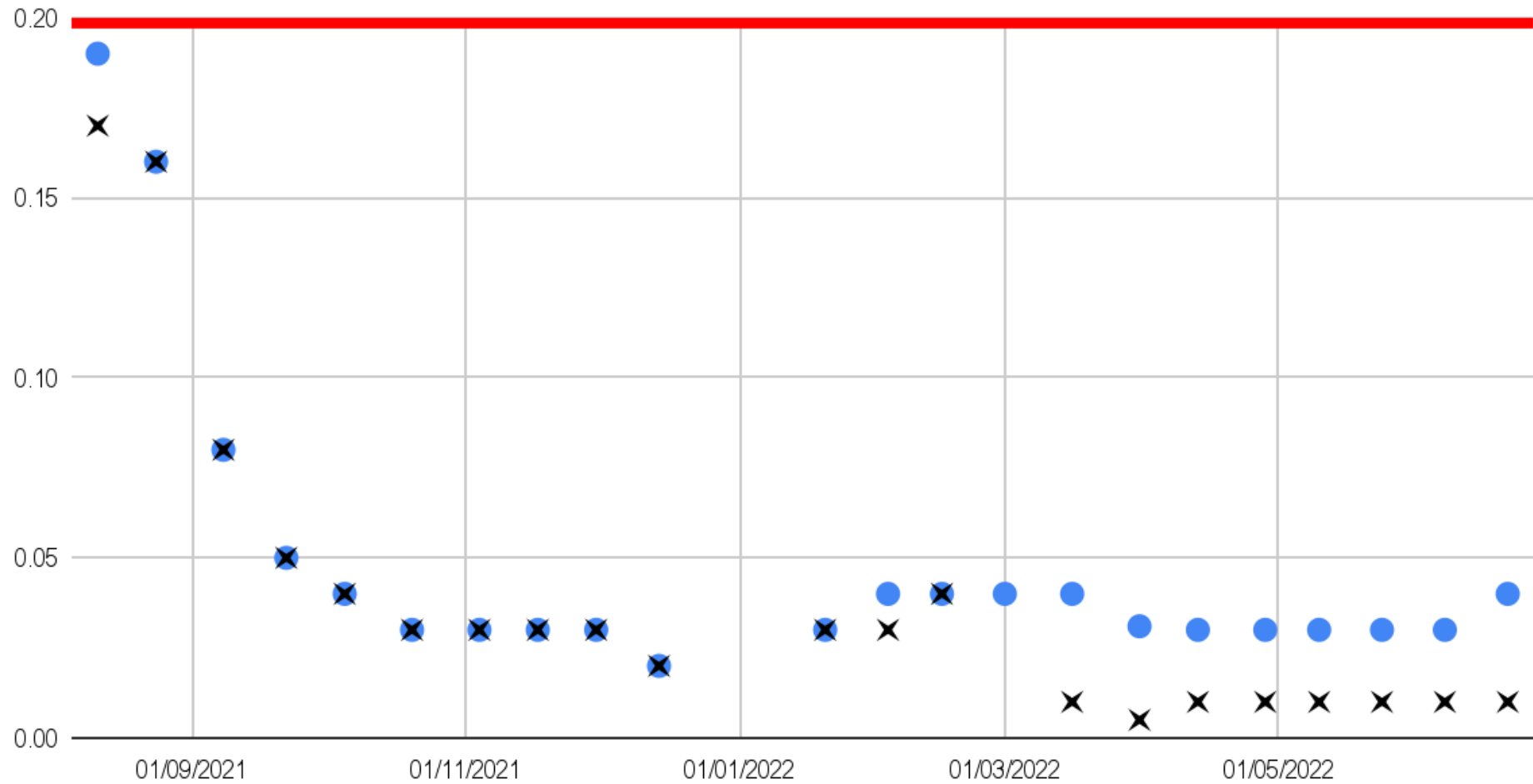
● Penshurst Treated Water Tank Dichloroacetic Acid (mg/L) ✕ Penshurst Hydrants Dichloroacetic Acid (mg/L) 0.1 mg/L — Limit

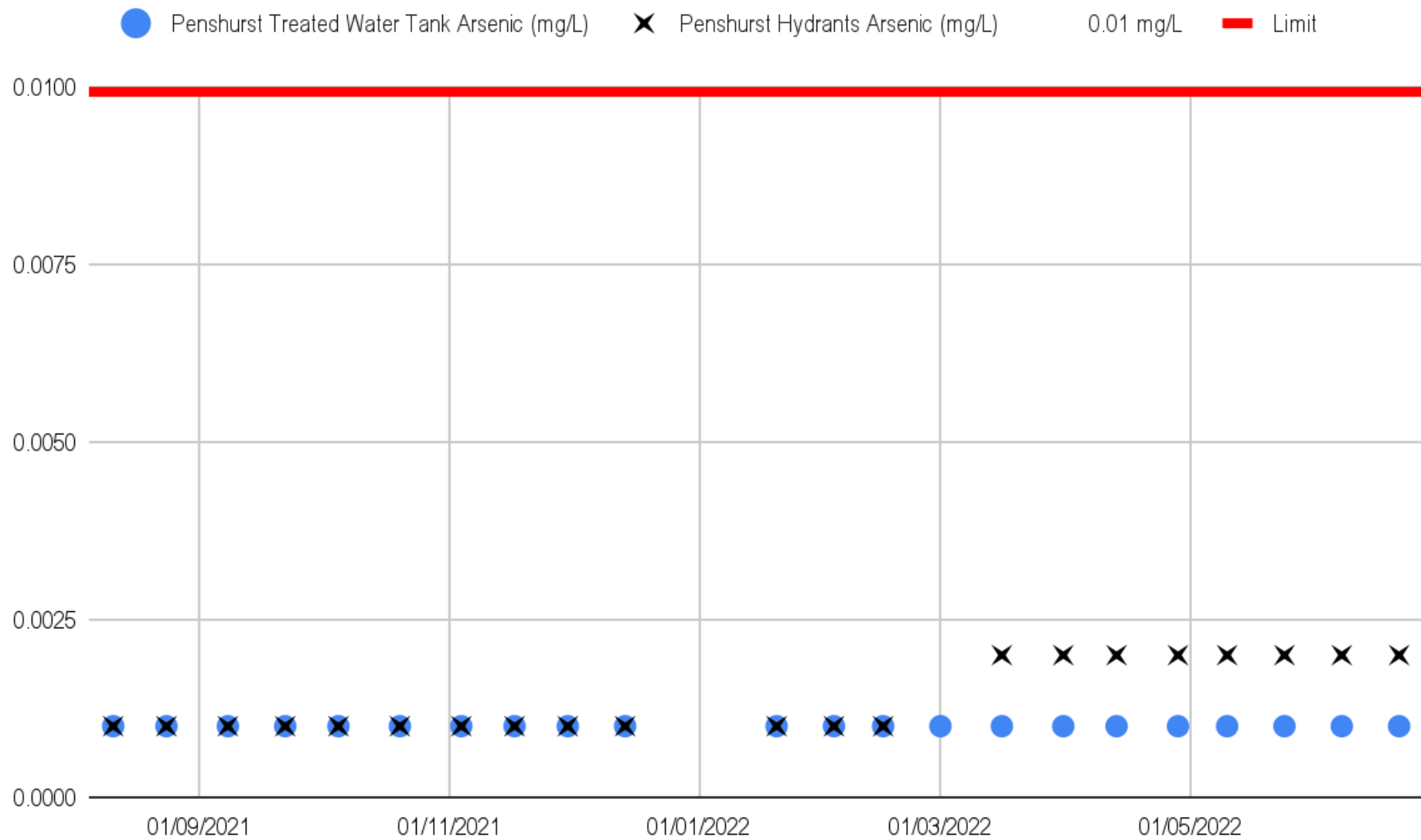


● Penshurst Treated Water Tank Trichloroacetic Acid (mg/L) ✕ Penshurst Hydrants Trichloroacetic Acid (mg/L) 0.1 mg/L — Limit

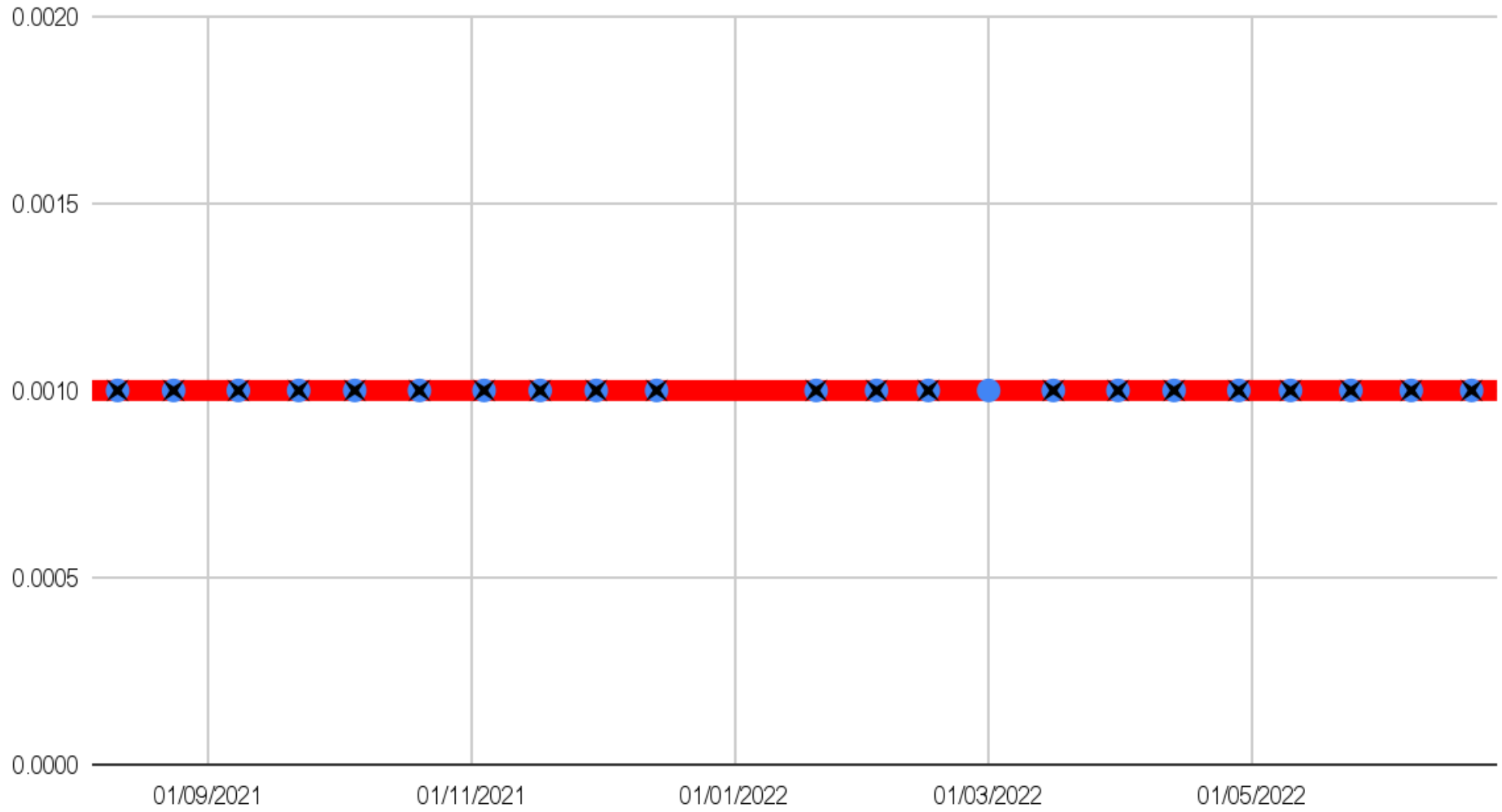


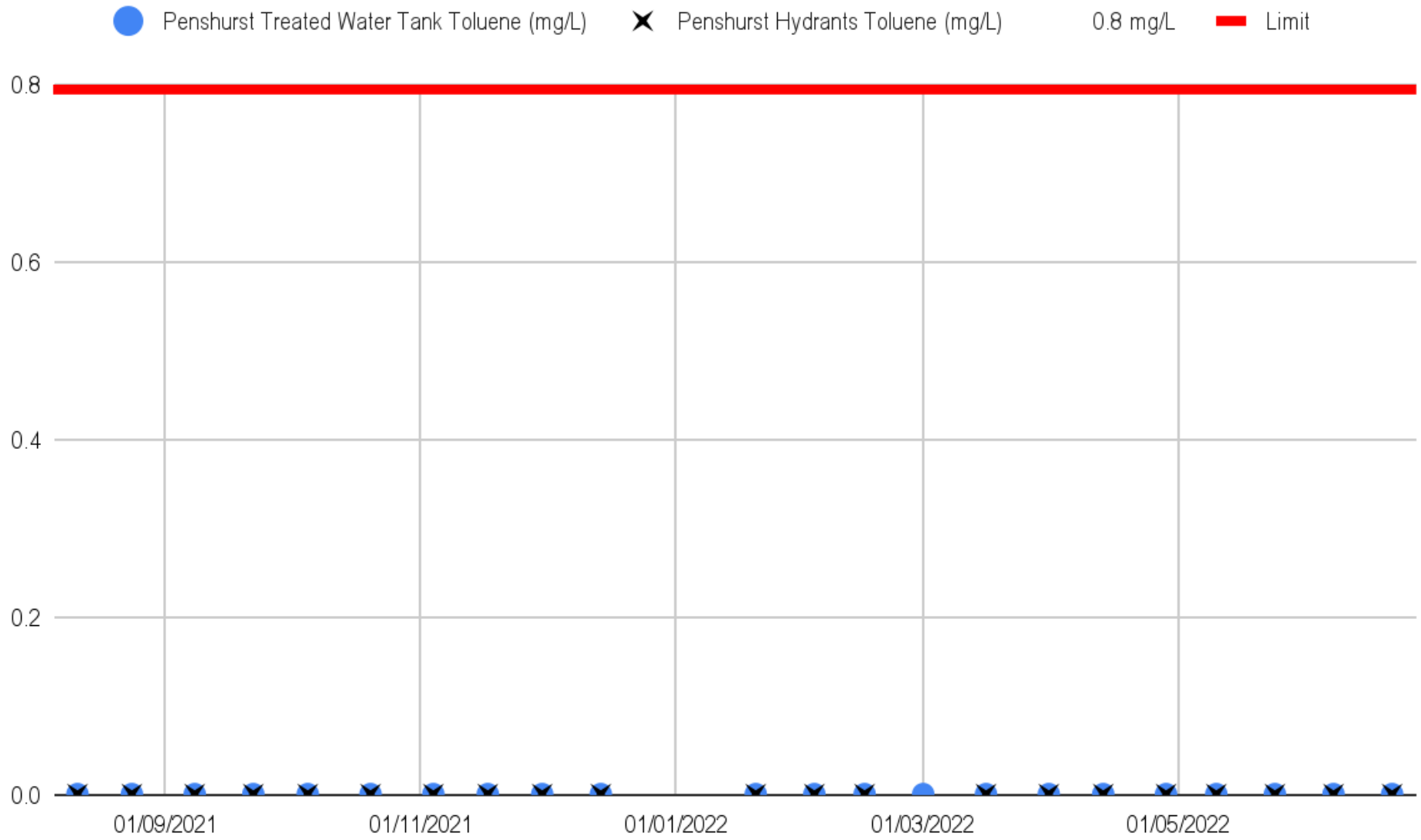
● Penshurst Treated Water Tank Acid Soluble Aluminium (mg/L) ✕ Penshurst Hydrants Acid Soluble Aluminium (mg/L) 0.2 mg/L
— Limit



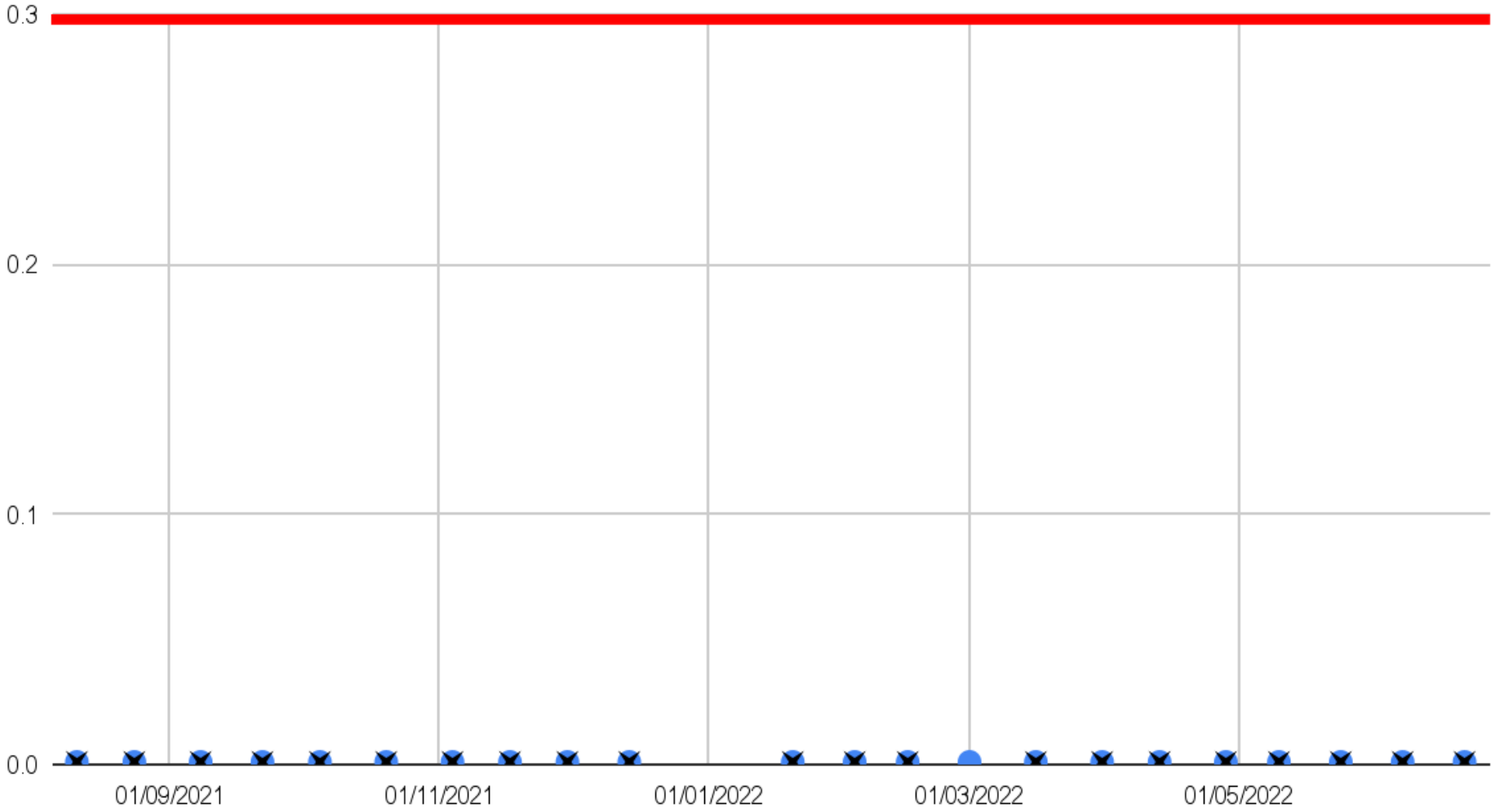


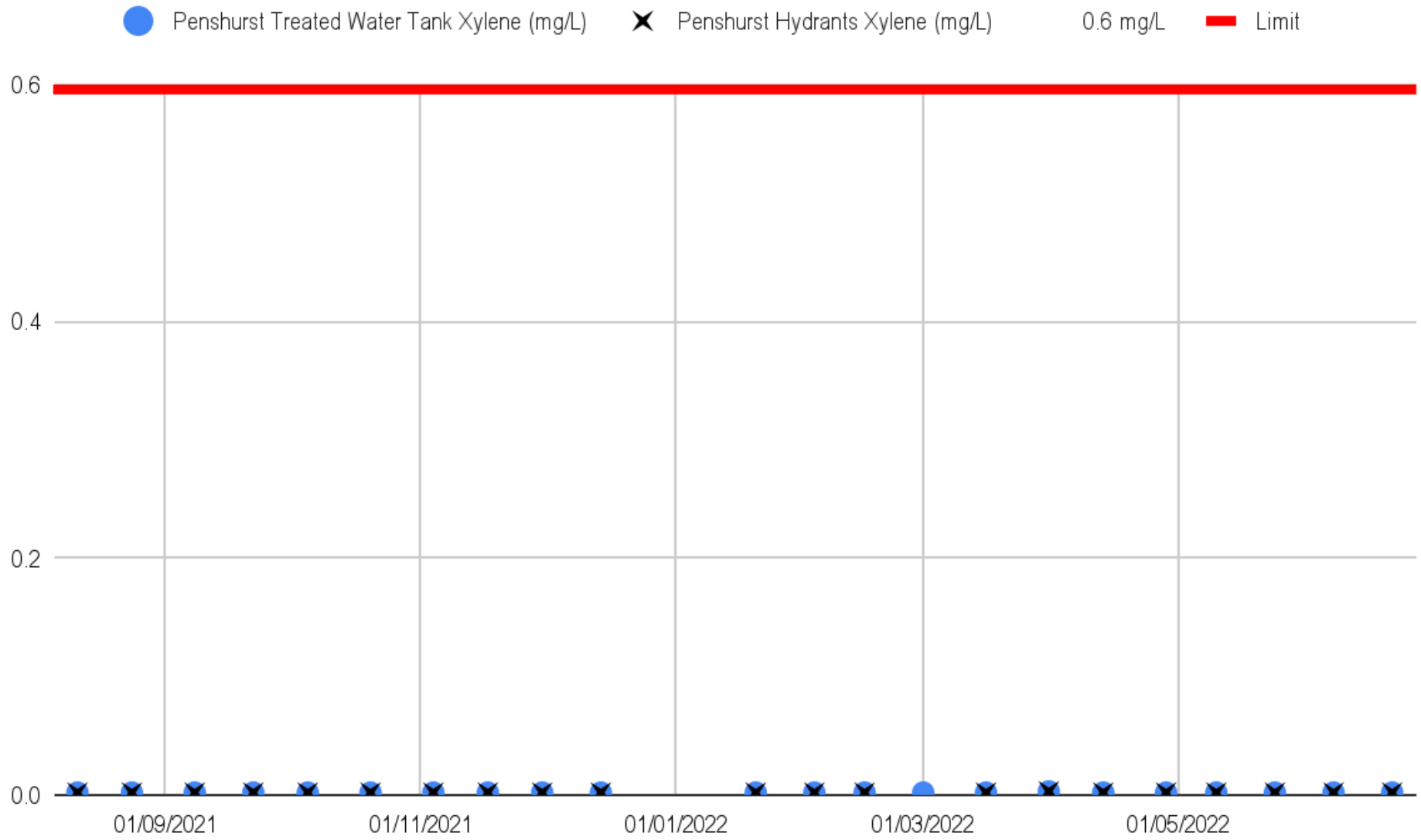
● Penshurst Treated Water Tank Benzene (mg/L) ✕ Penshurst Hydrants Benzene (mg/L) 0.001 mg/L — Limit



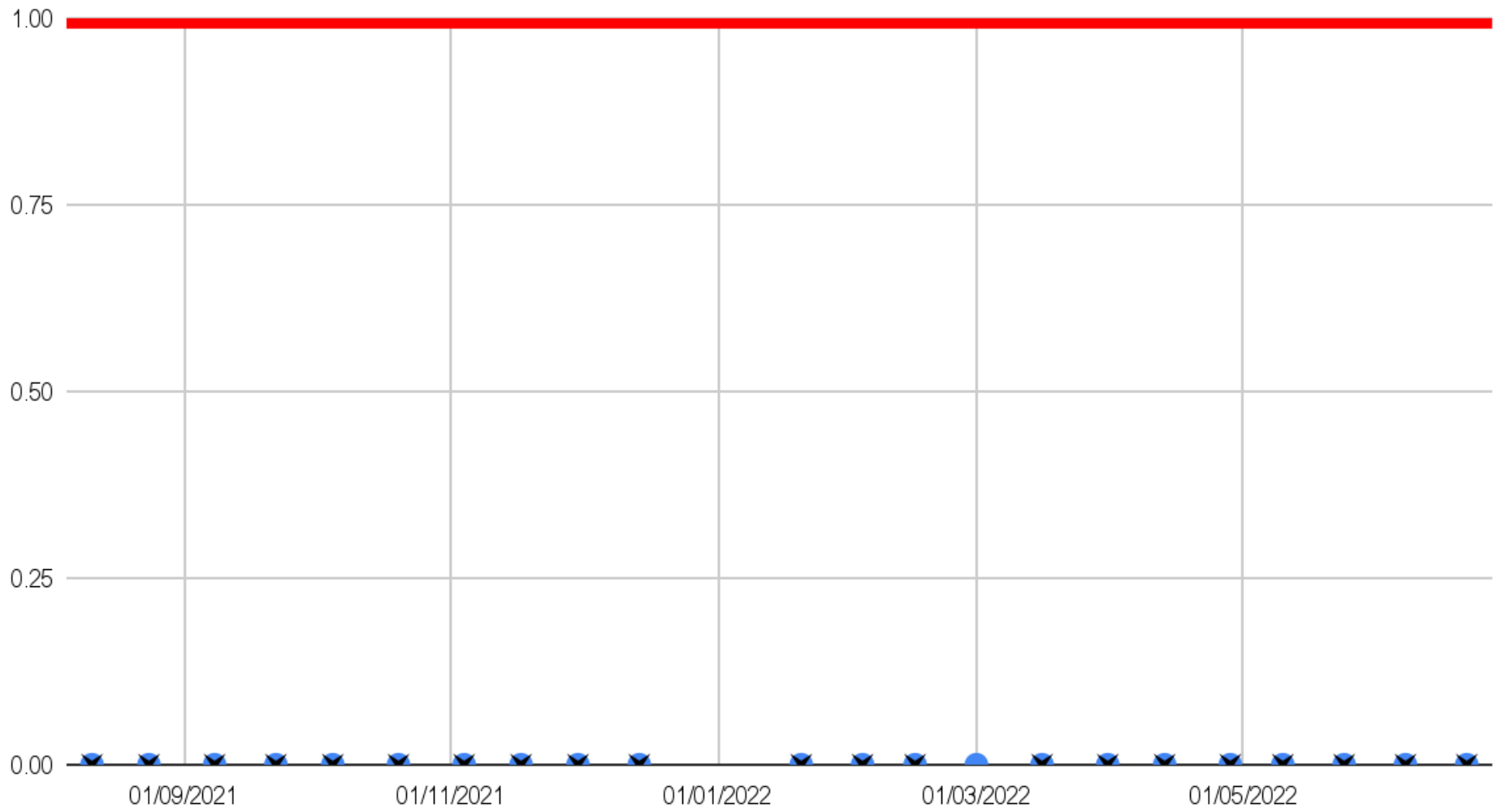


● Penshurst Treated Water Tank Ethylbenzene (mg/L) ✕ Penshurst Hydrants Ethylbenzene (mg/L) 0.3 mg/L — Limit

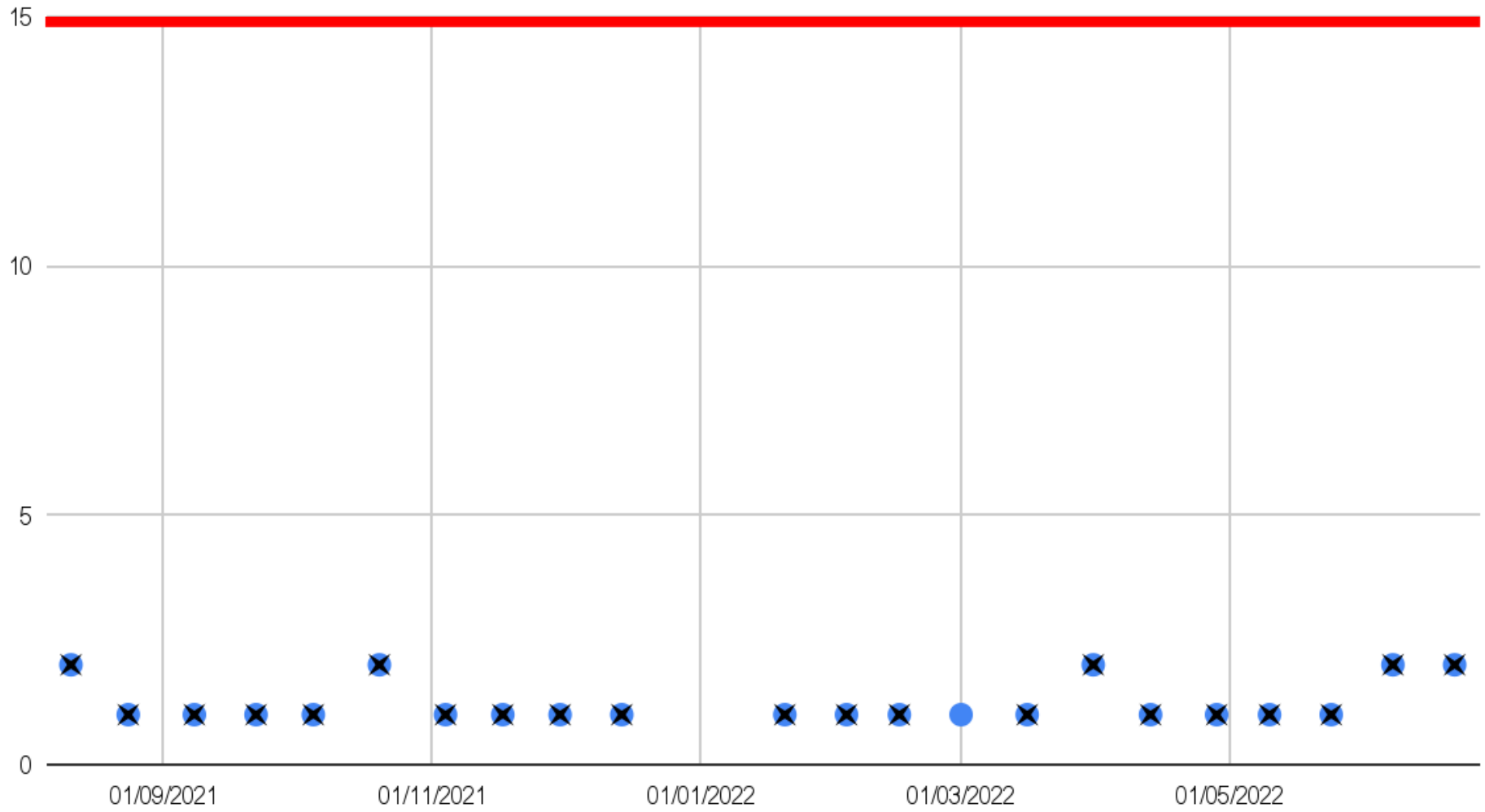


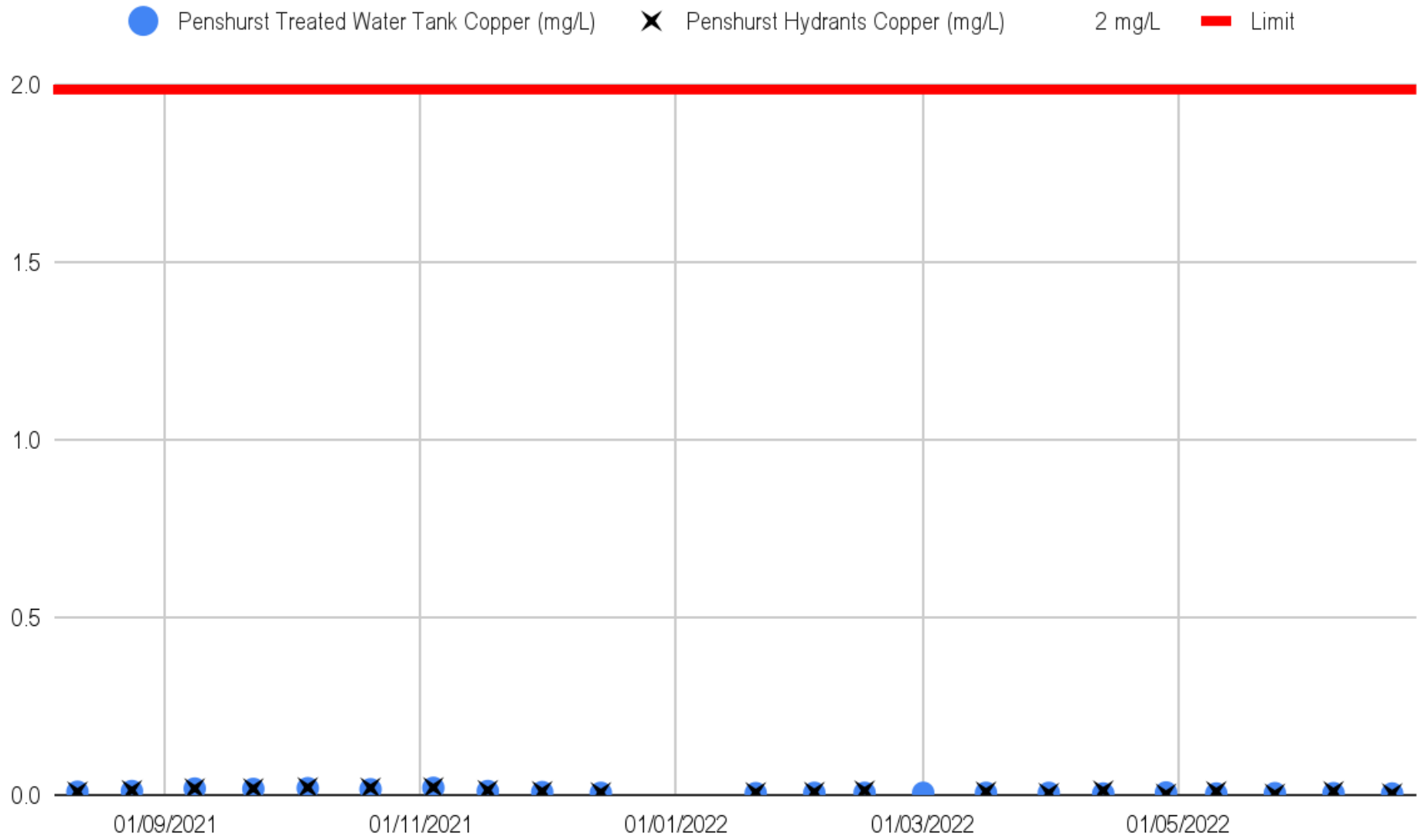


● Penshurst Treated Water Tank Coliforms (CFU/100mL) ✕ Penshurst Hydrants Coliforms (CFU/100mL) 1 cfu/100mL — Limit

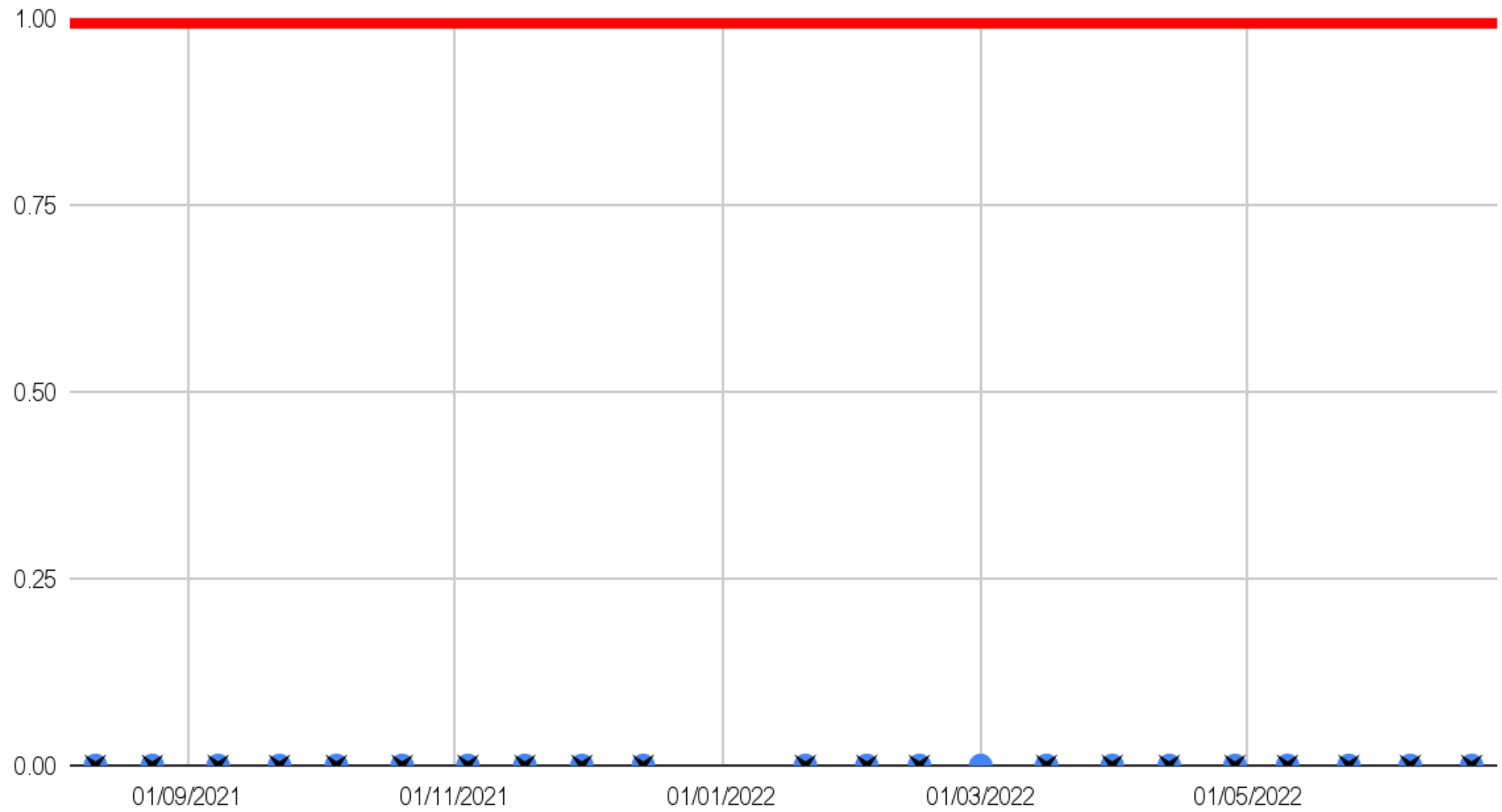


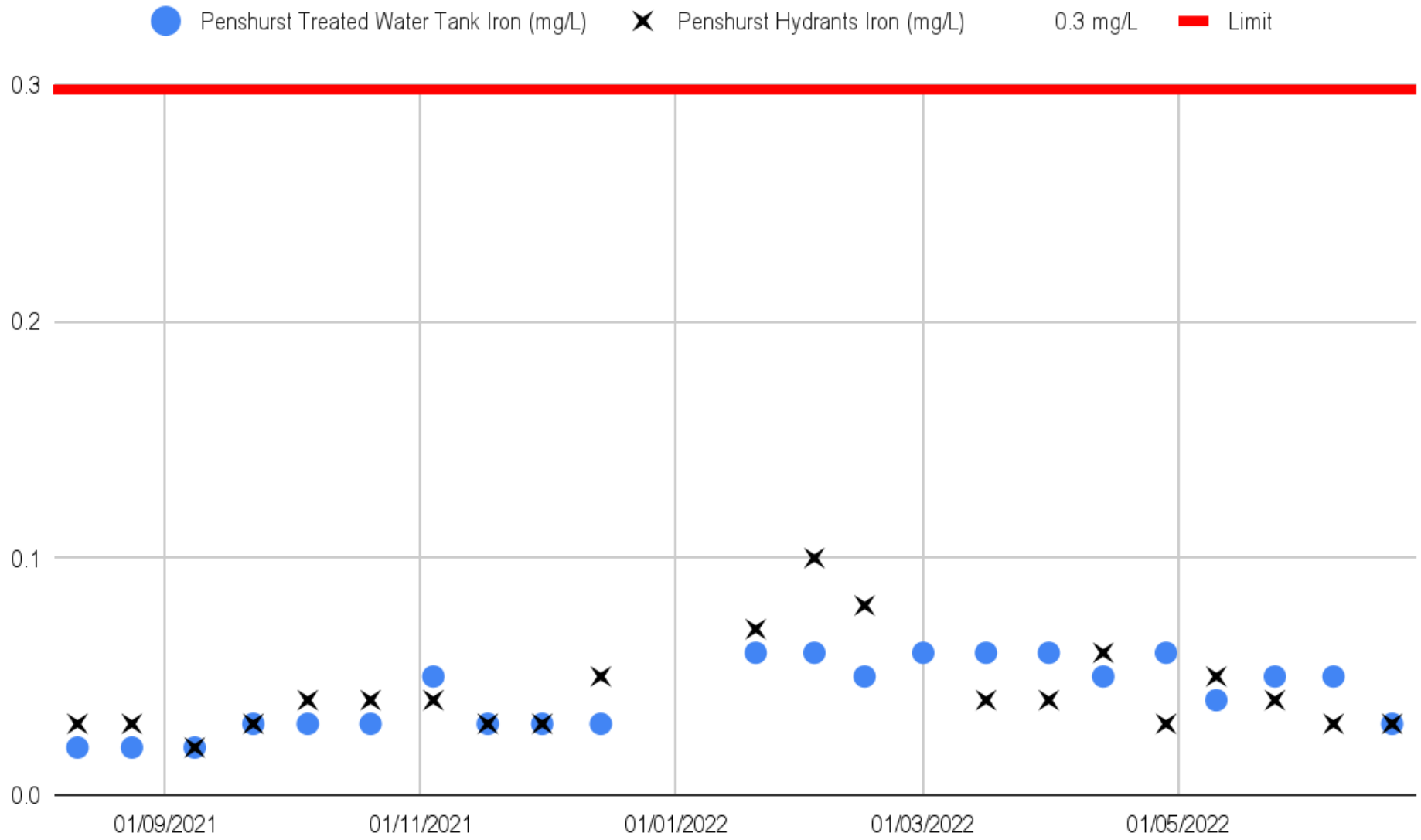
● Penshurst Treated Water Tank Colour (Pt/Co) ✕ Penshurst Hydrants Colour (Pt/Co) 15 Pt/Co — Limit



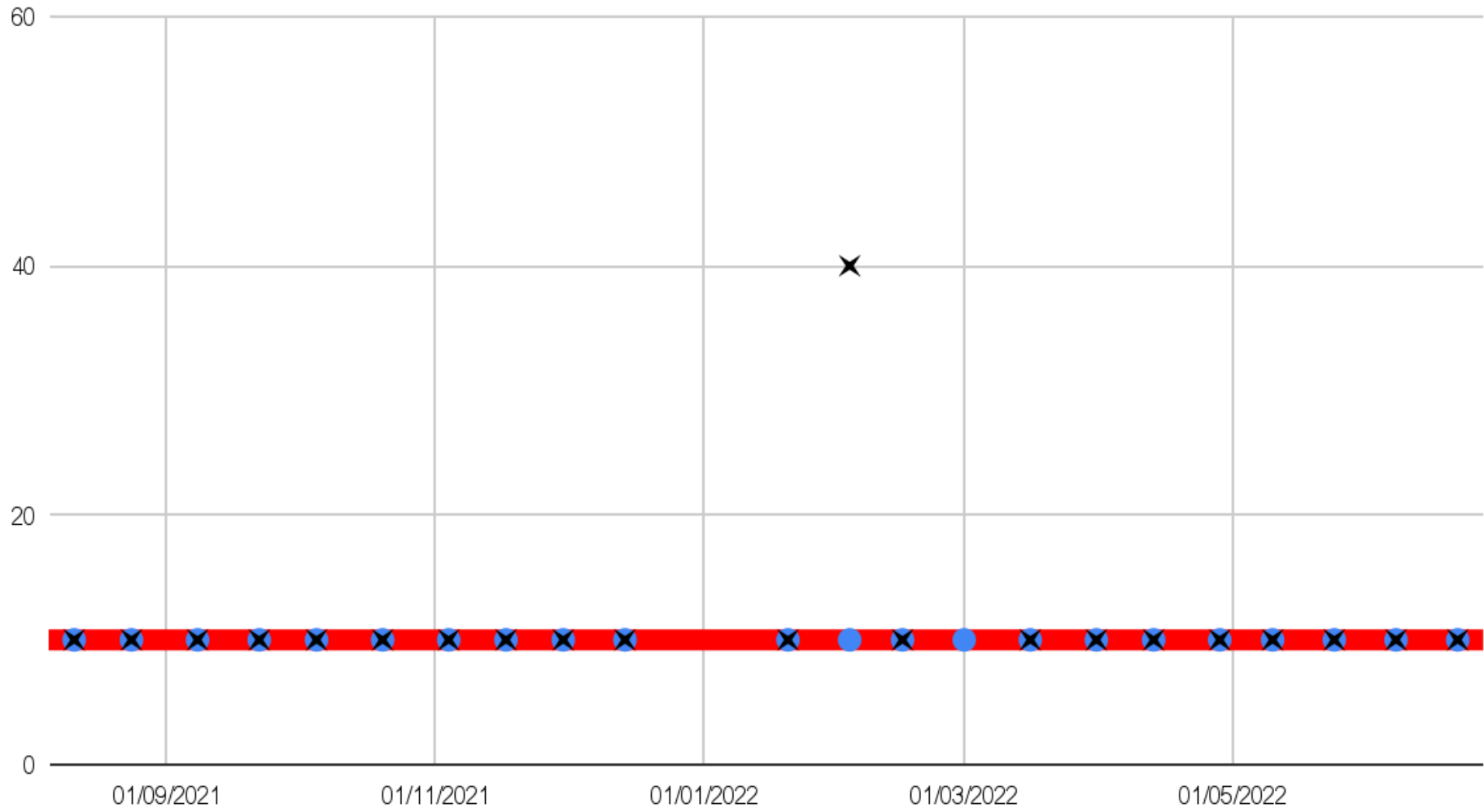


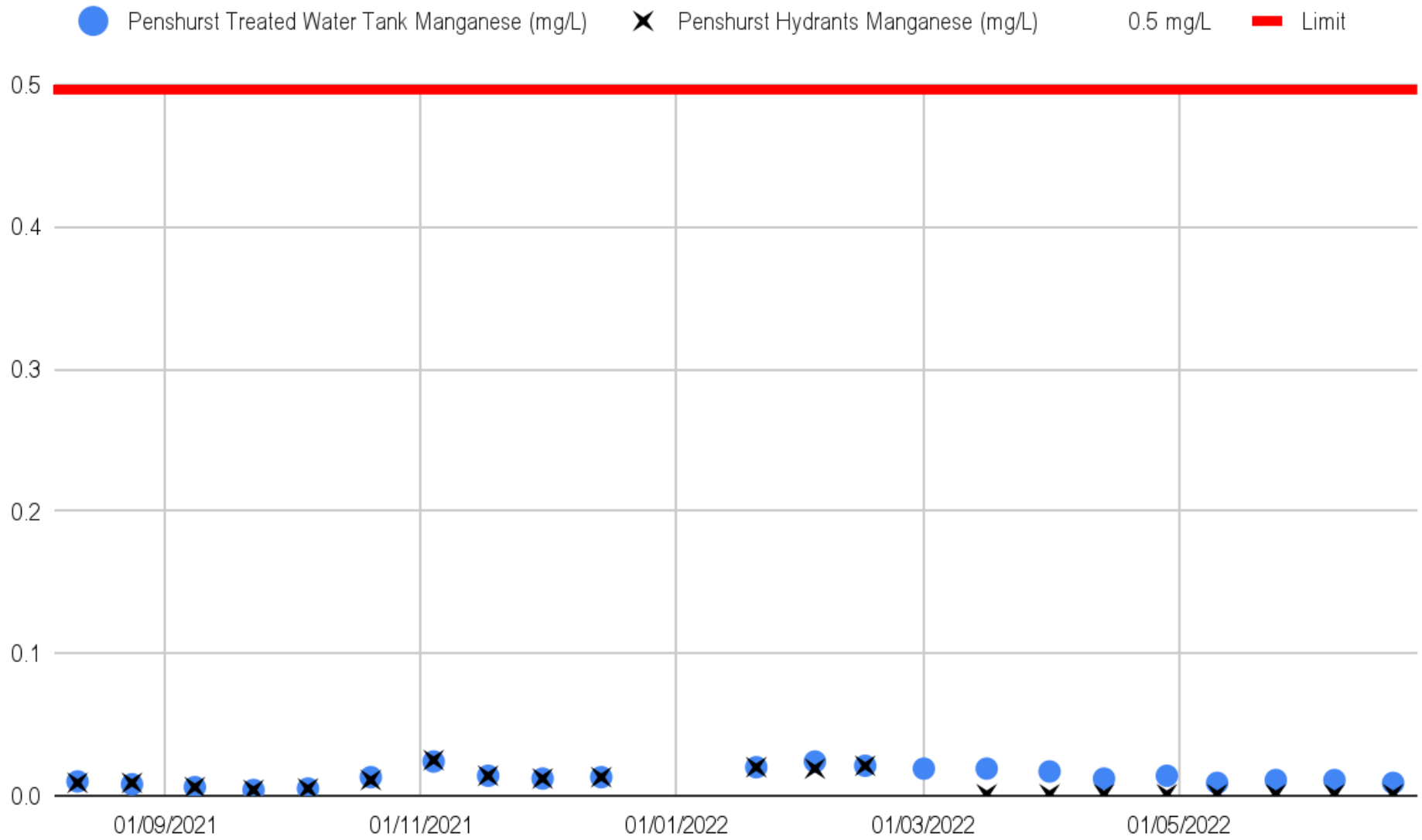
● Penshurst Treated Water Tank E.coli (CFU/100mL) ✕ Penshurst Hydrants E.coli (CFU/100mL) 1 cfu/100mL — Limit



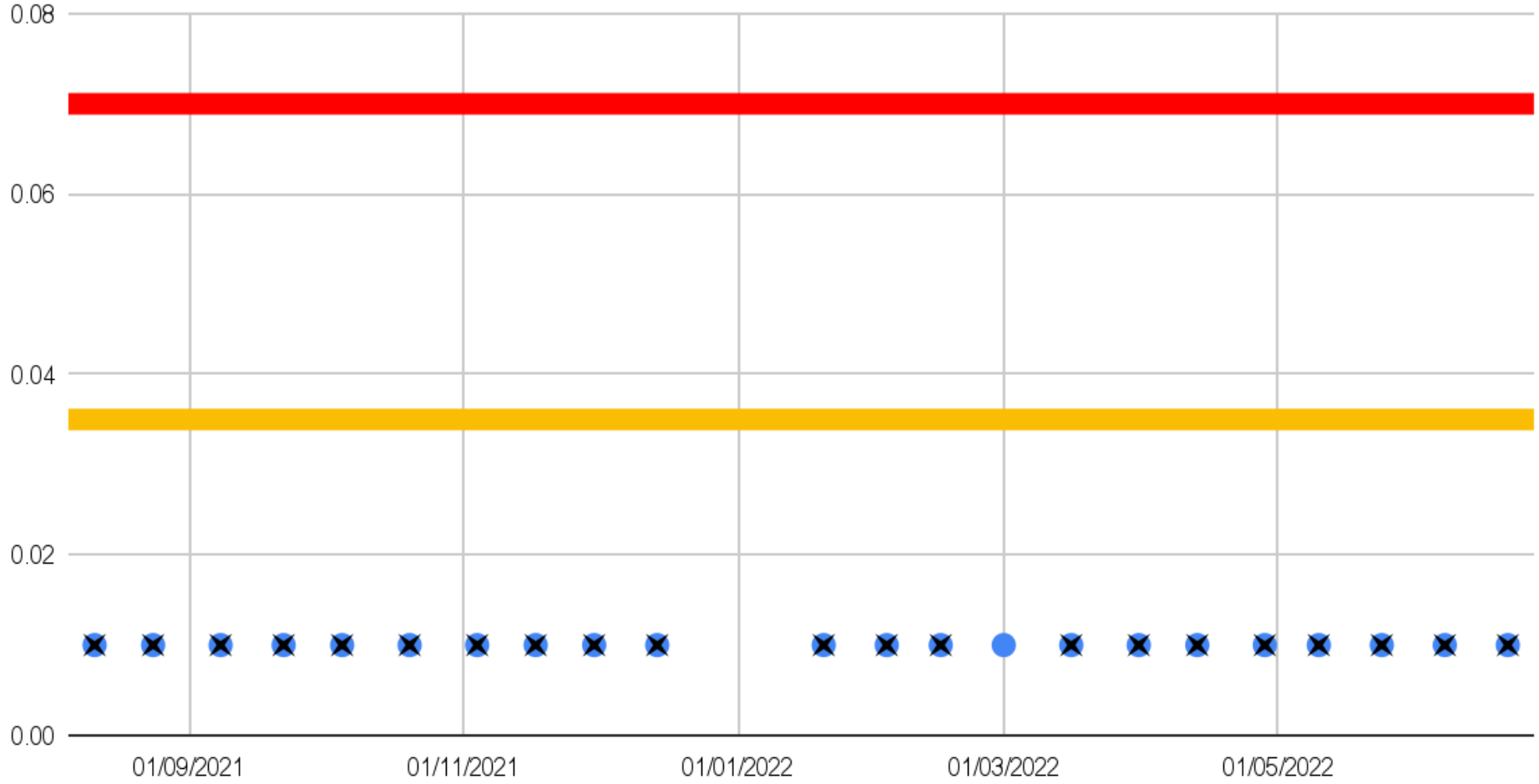


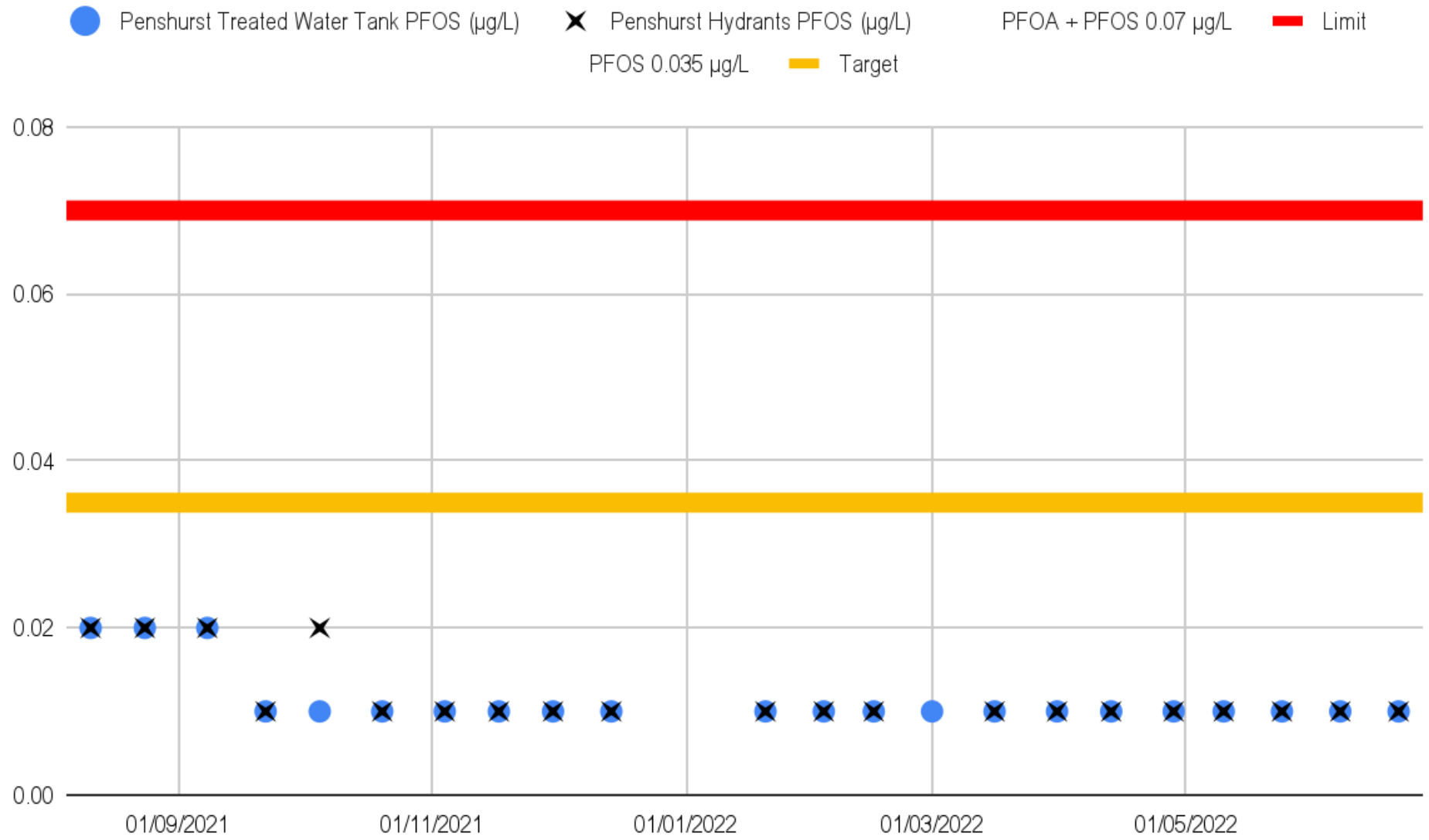
● Penshurst Treated Water Tank Legionella spp (CFU/mL) ✕ Penshurst Hydrants Legionella spp (CFU/mL) 10 cfu/mL ■ Limit



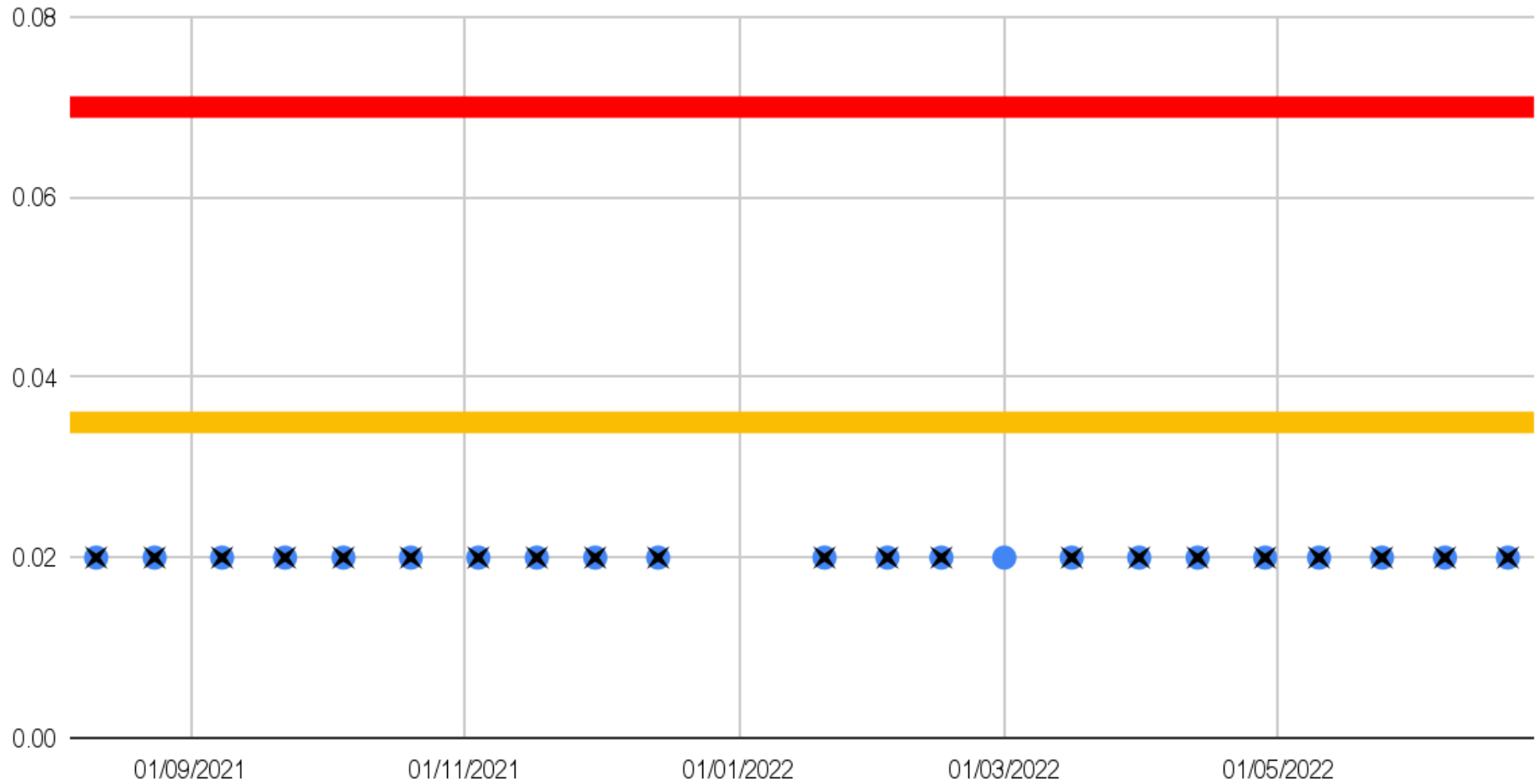


● Penshurst Treated Water Tank PFOA ($\mu\text{g/L}$) ✕ Penshurst Hydrants PFOA ($\mu\text{g/L}$) PFOA + PFOS 0.07 $\mu\text{g/L}$ Limit
PFOA 0.035 $\mu\text{g/L}$ Target

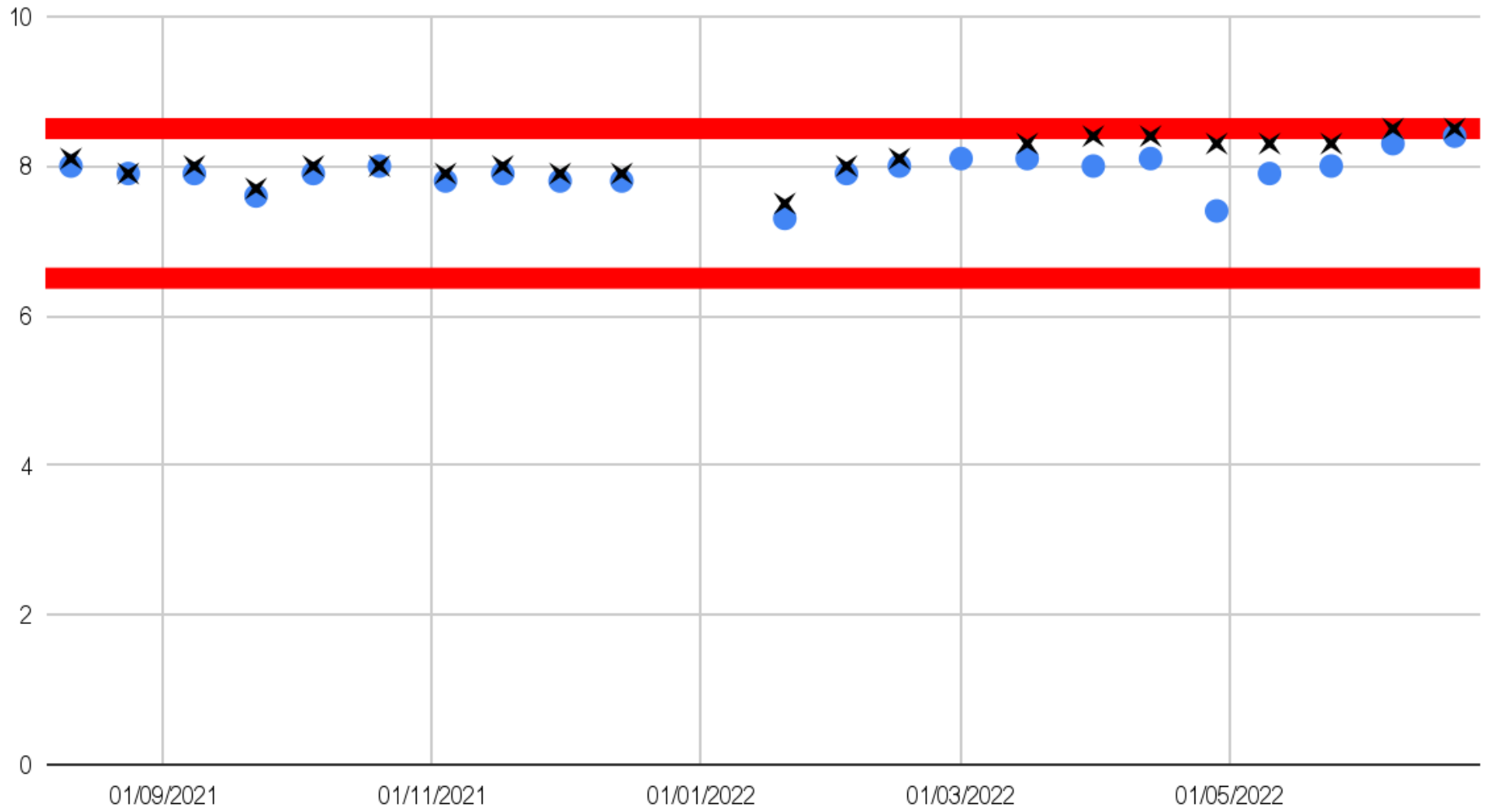


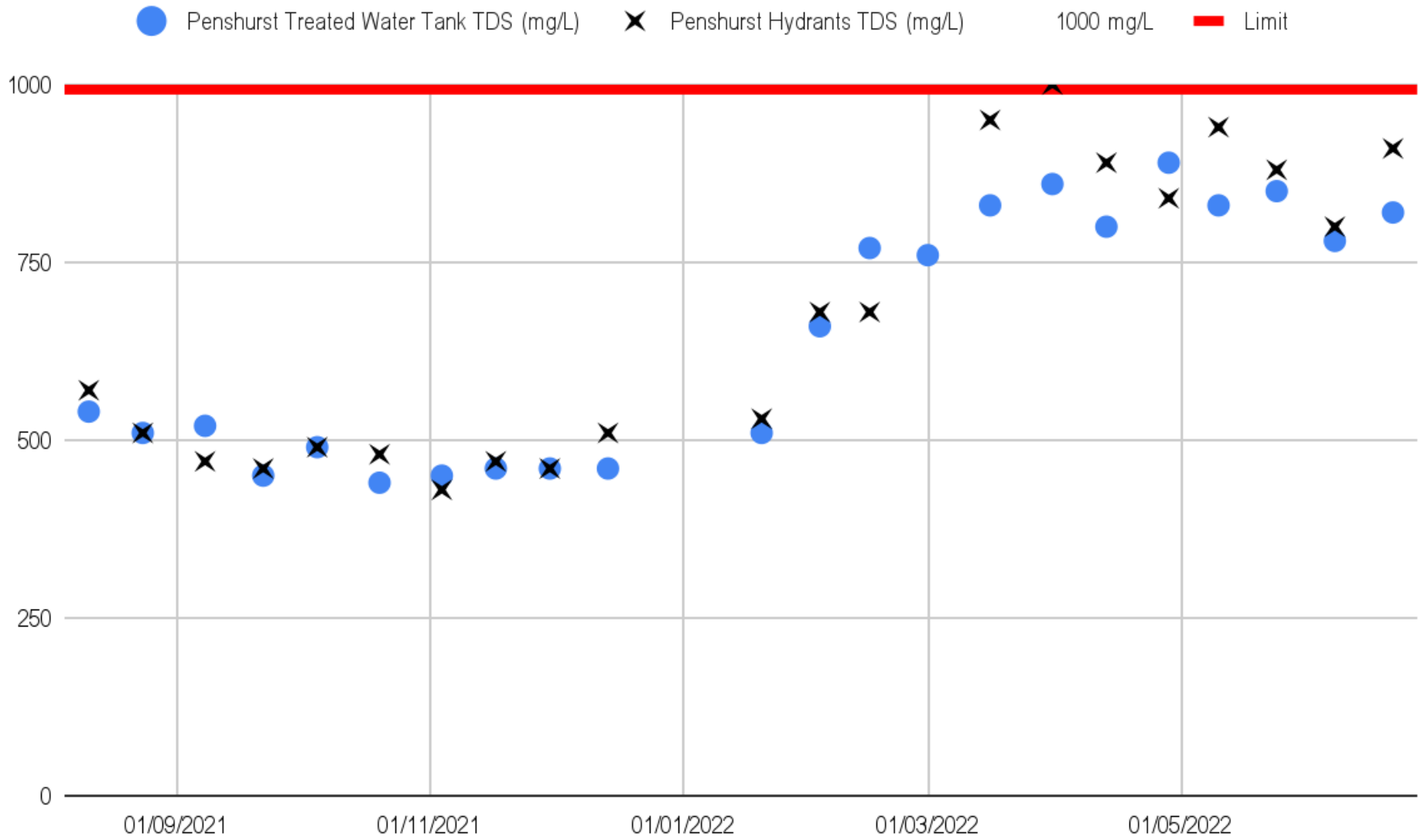


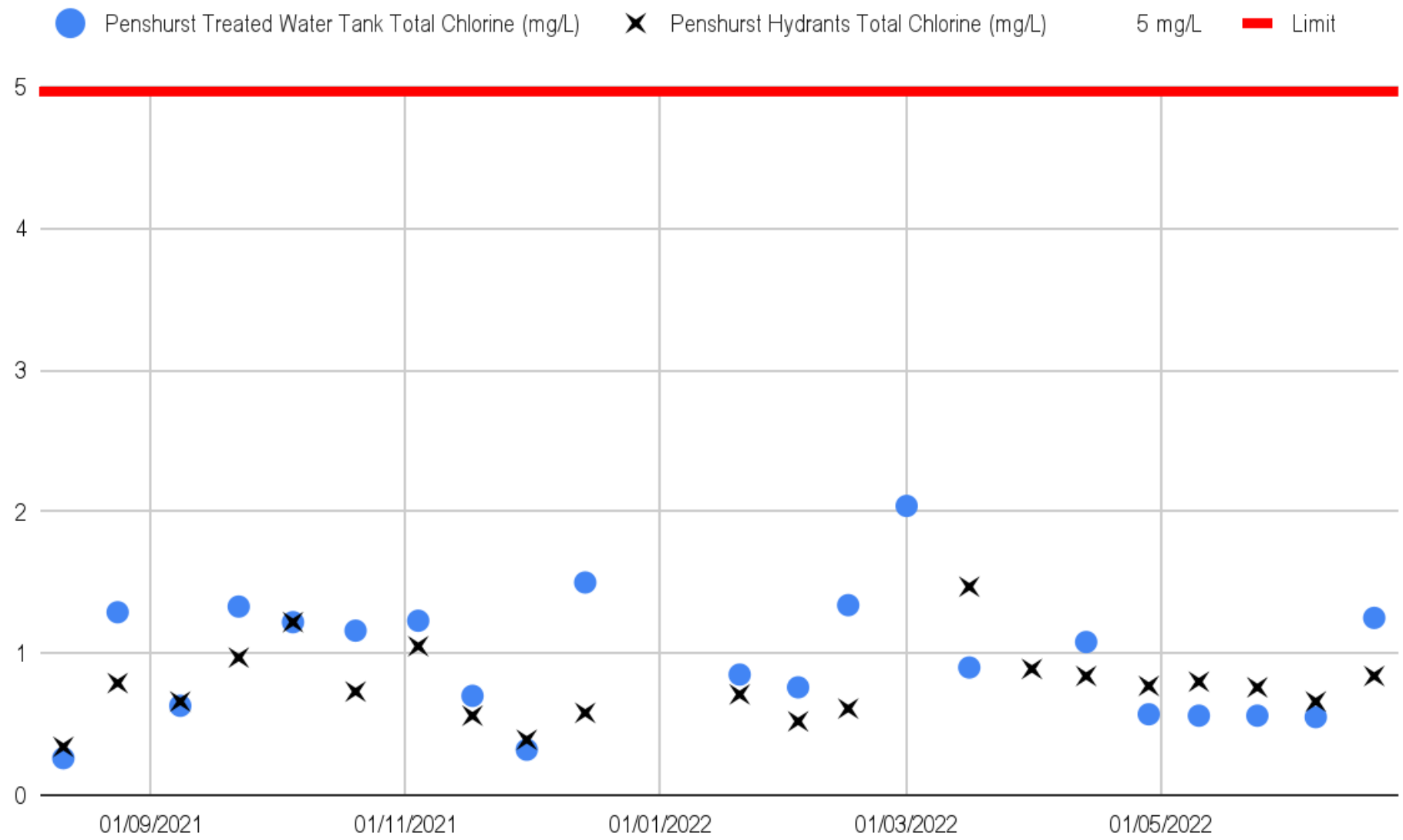
● Penshurst Treated Water Tank PFHxS ($\mu\text{g/L}$) ✕ Penshurst Hydrants PFHxS ($\mu\text{g/L}$) PFOS + PFHxS $0.07 \mu\text{g/L}$ ■ Limit
PFHxS $0.035 \mu\text{g/L}$ ■ Target

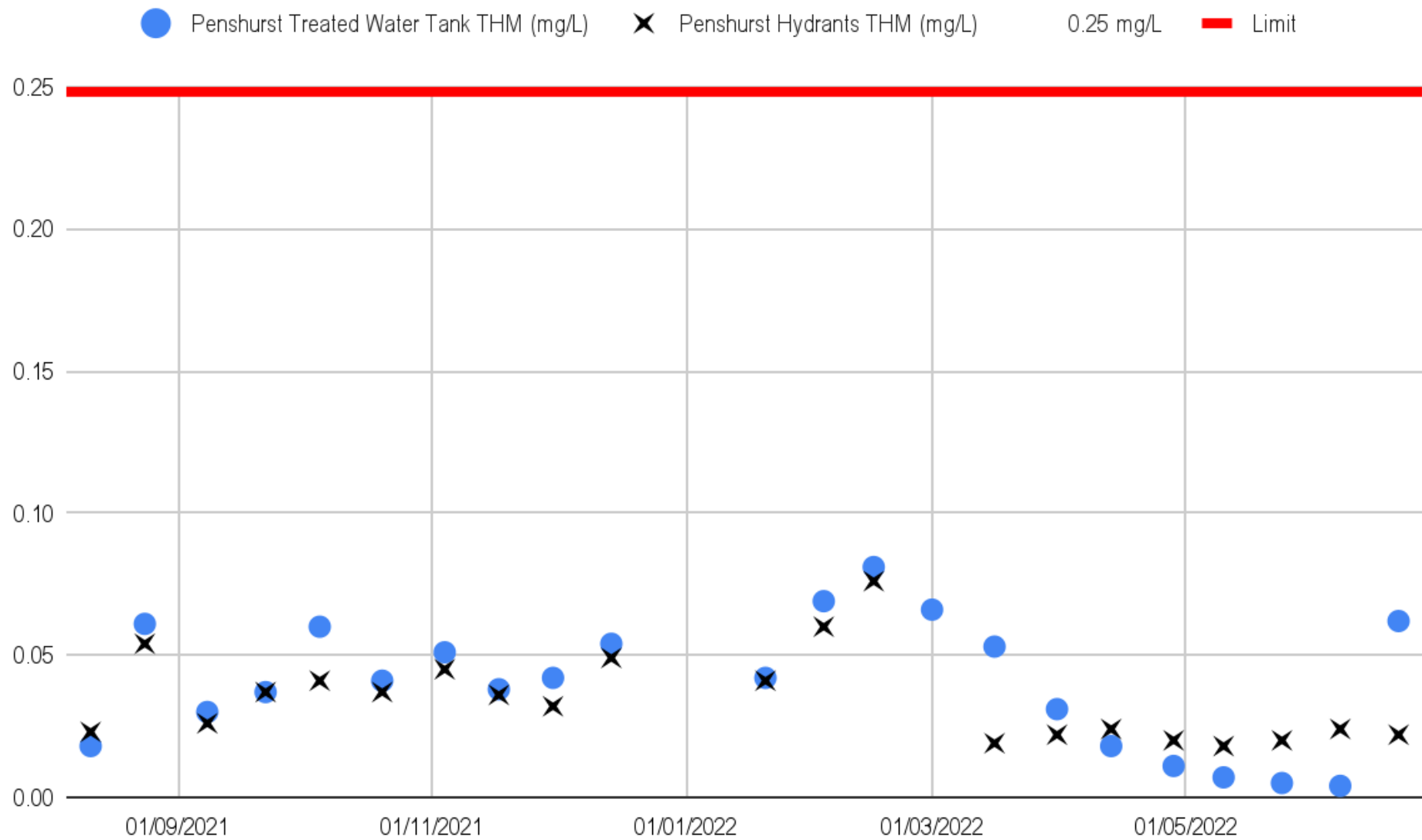


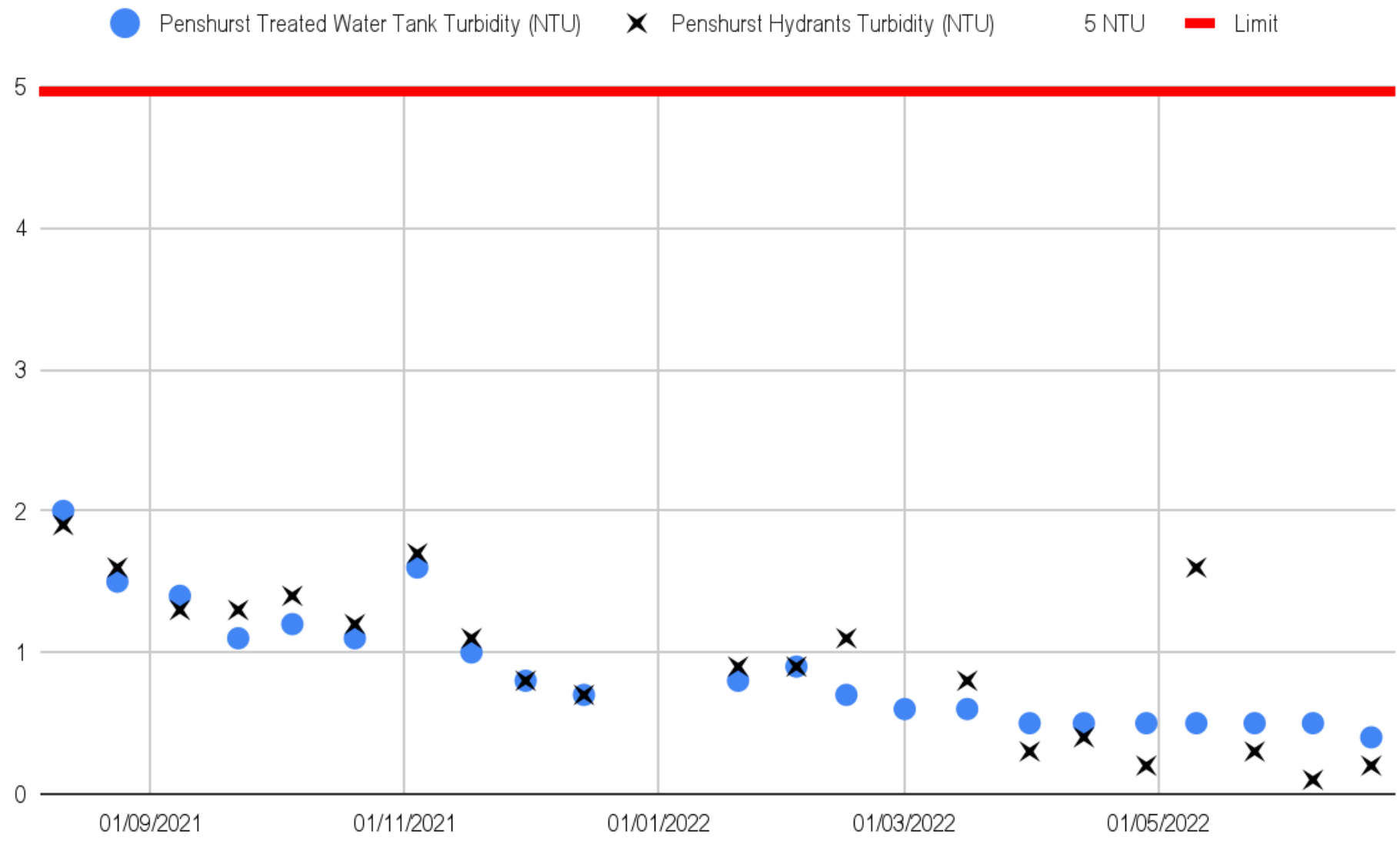
● Penshurst Treated Water Tank pH (-) ✕ Penshurst Hydrants pH (-) 6.5 Limit 8.5 Limit



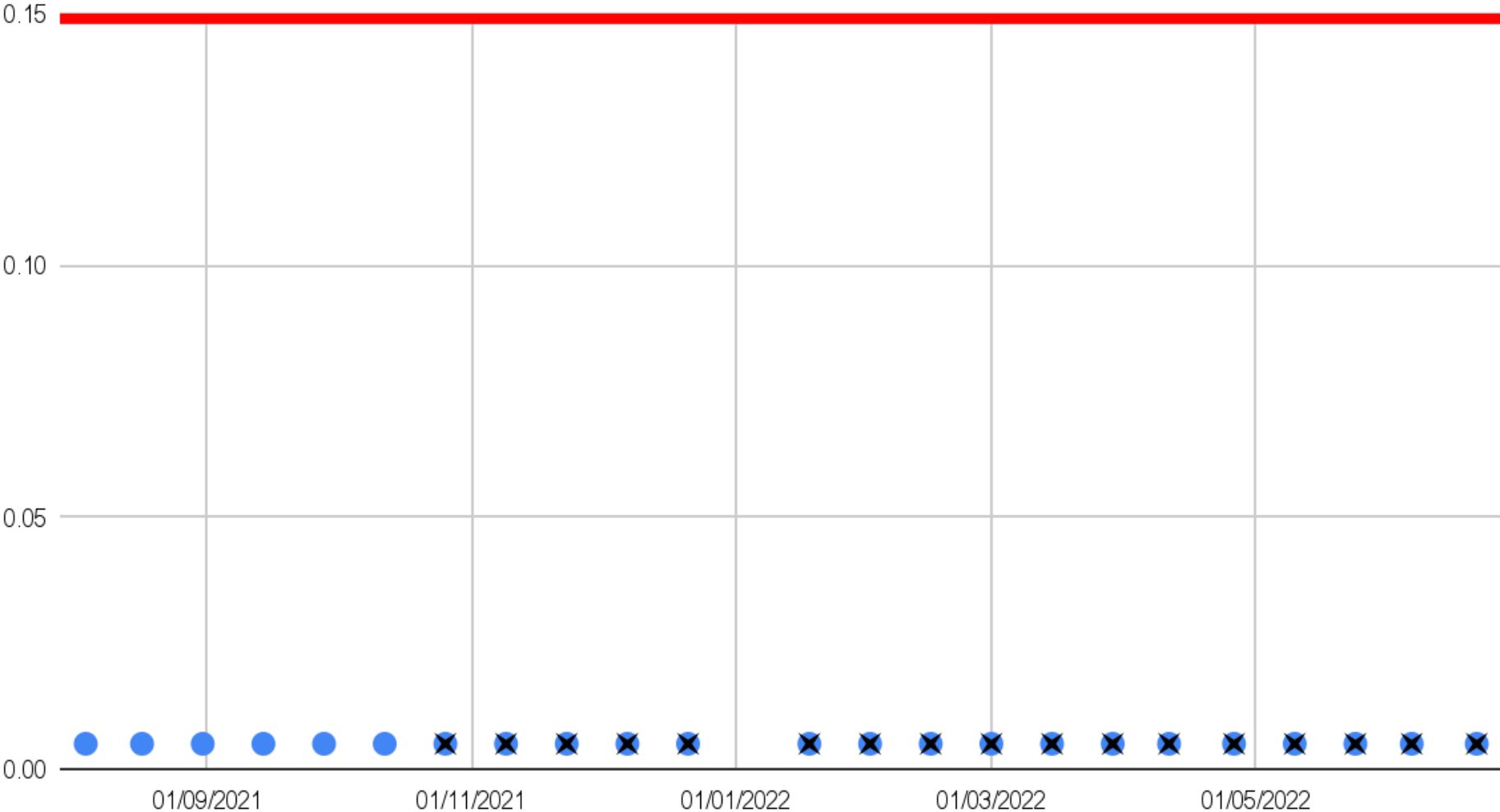


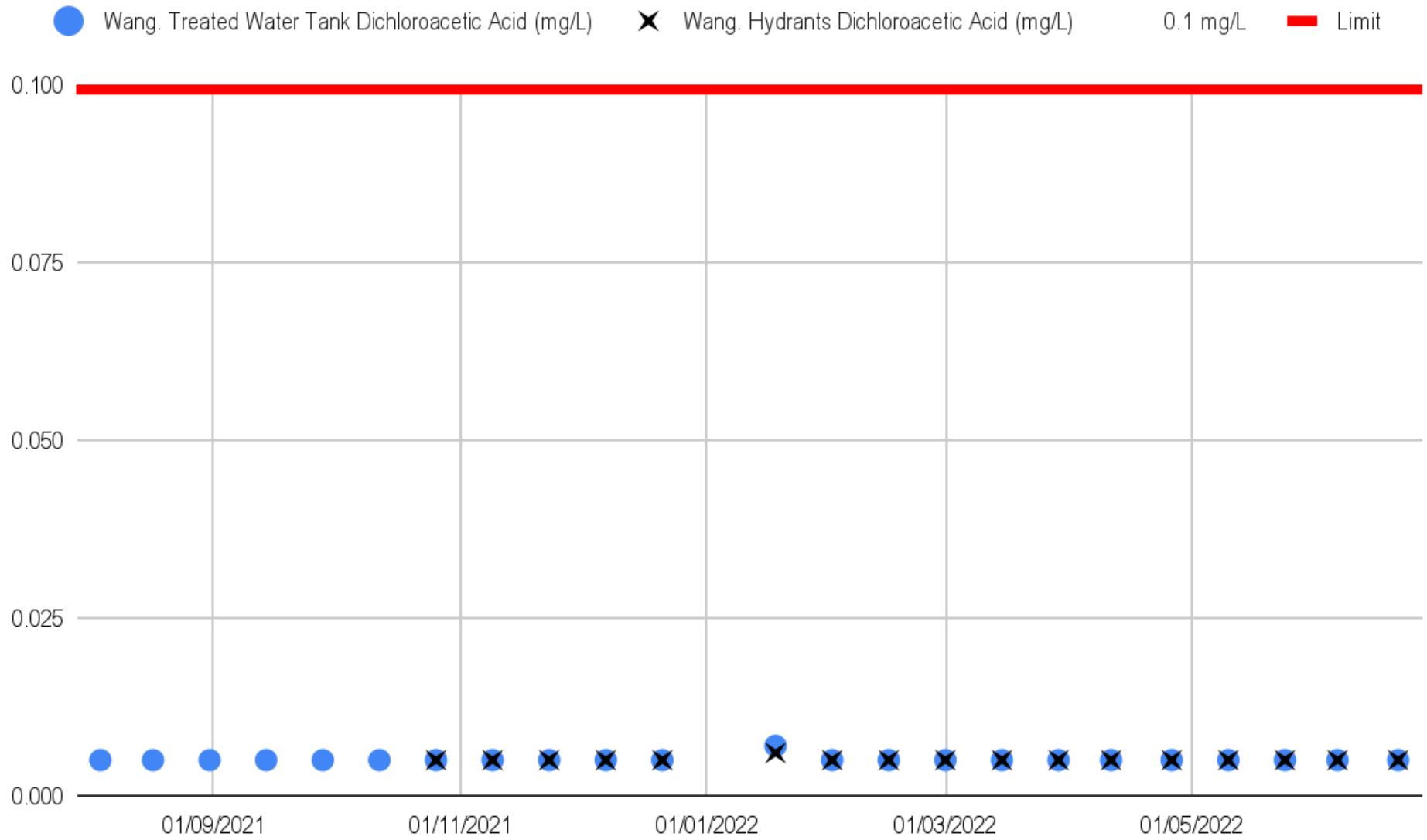




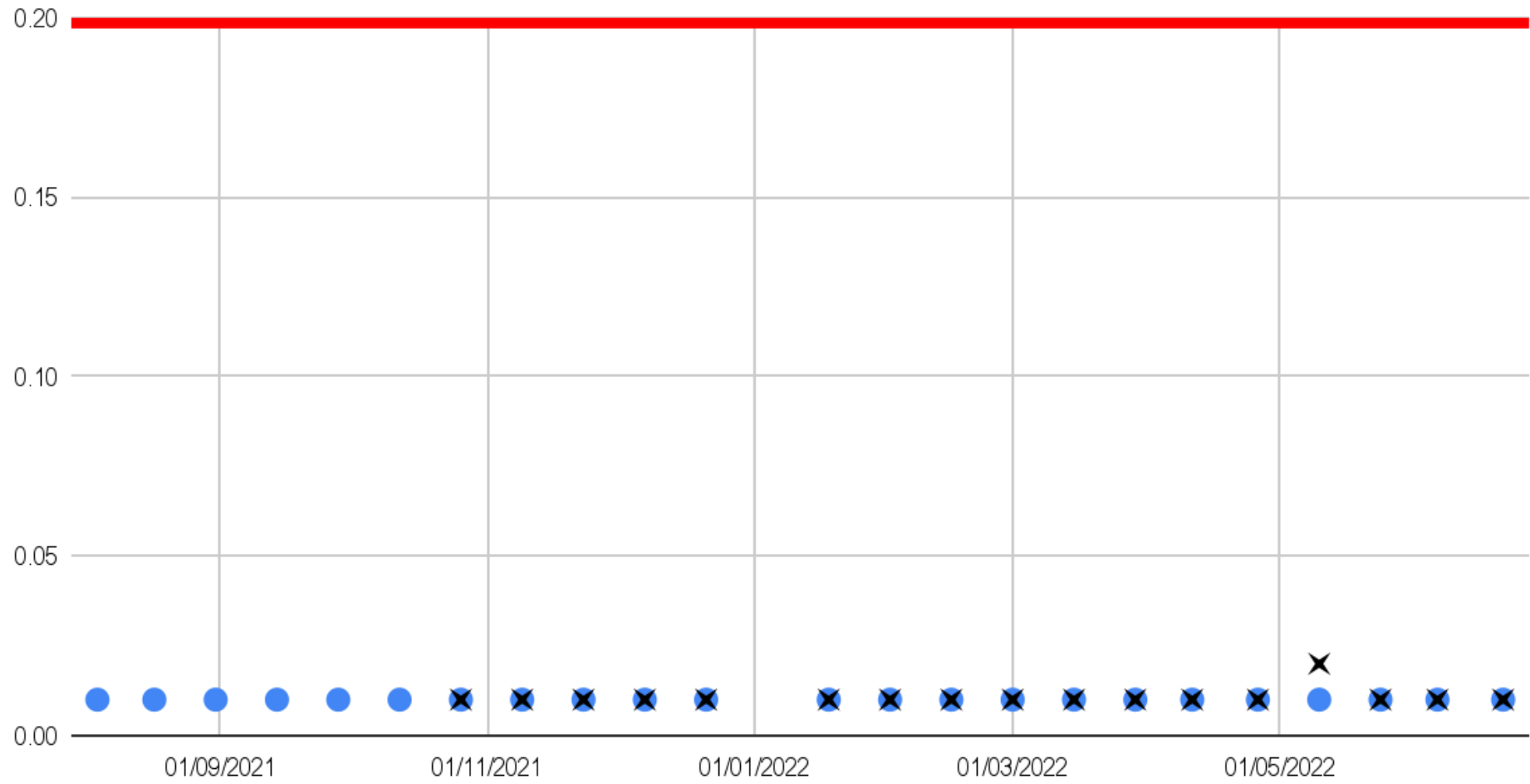


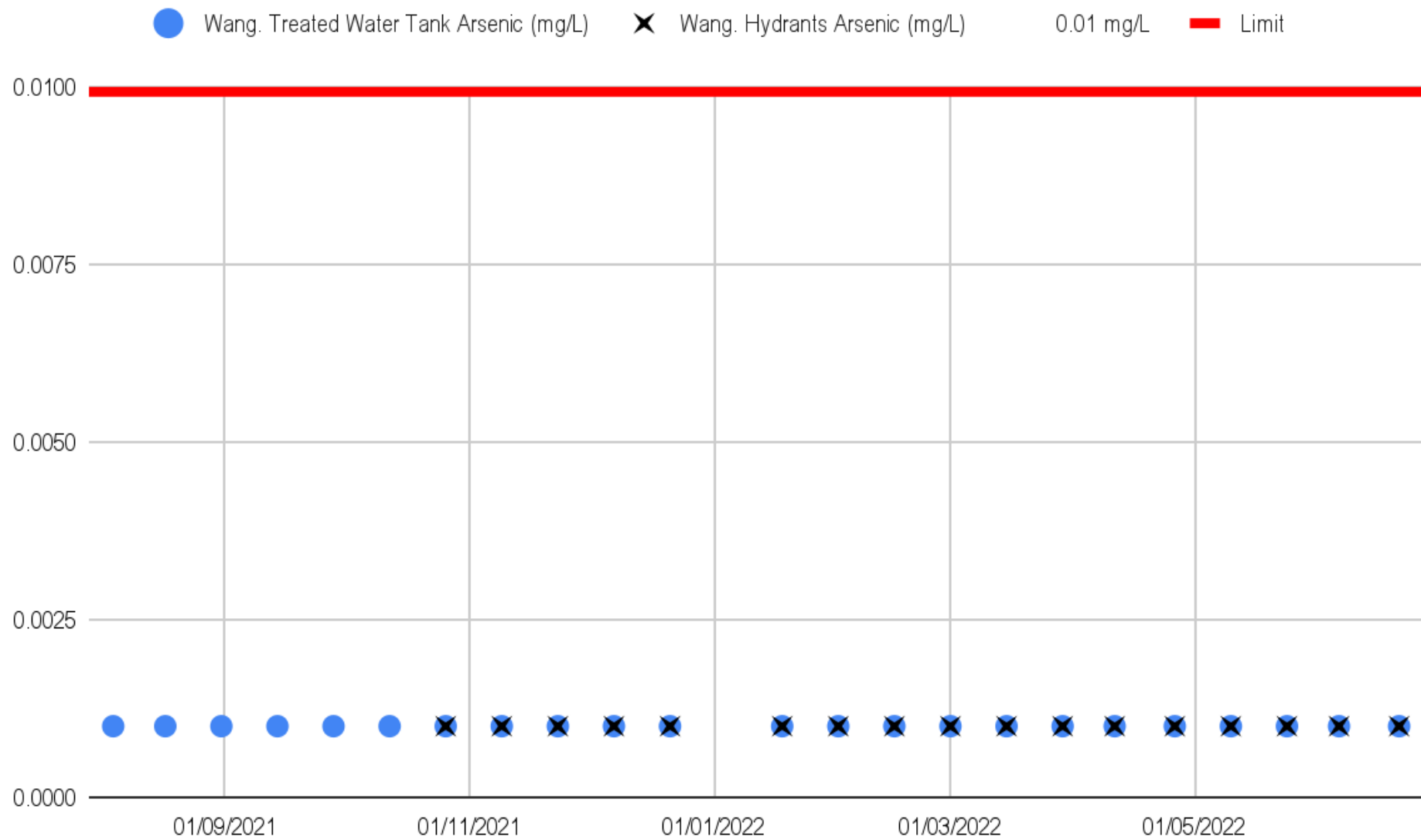
● Wang. Treated Water Tank Chloroacetic Acid (mg/L) ✕ Wang. Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L — Limit



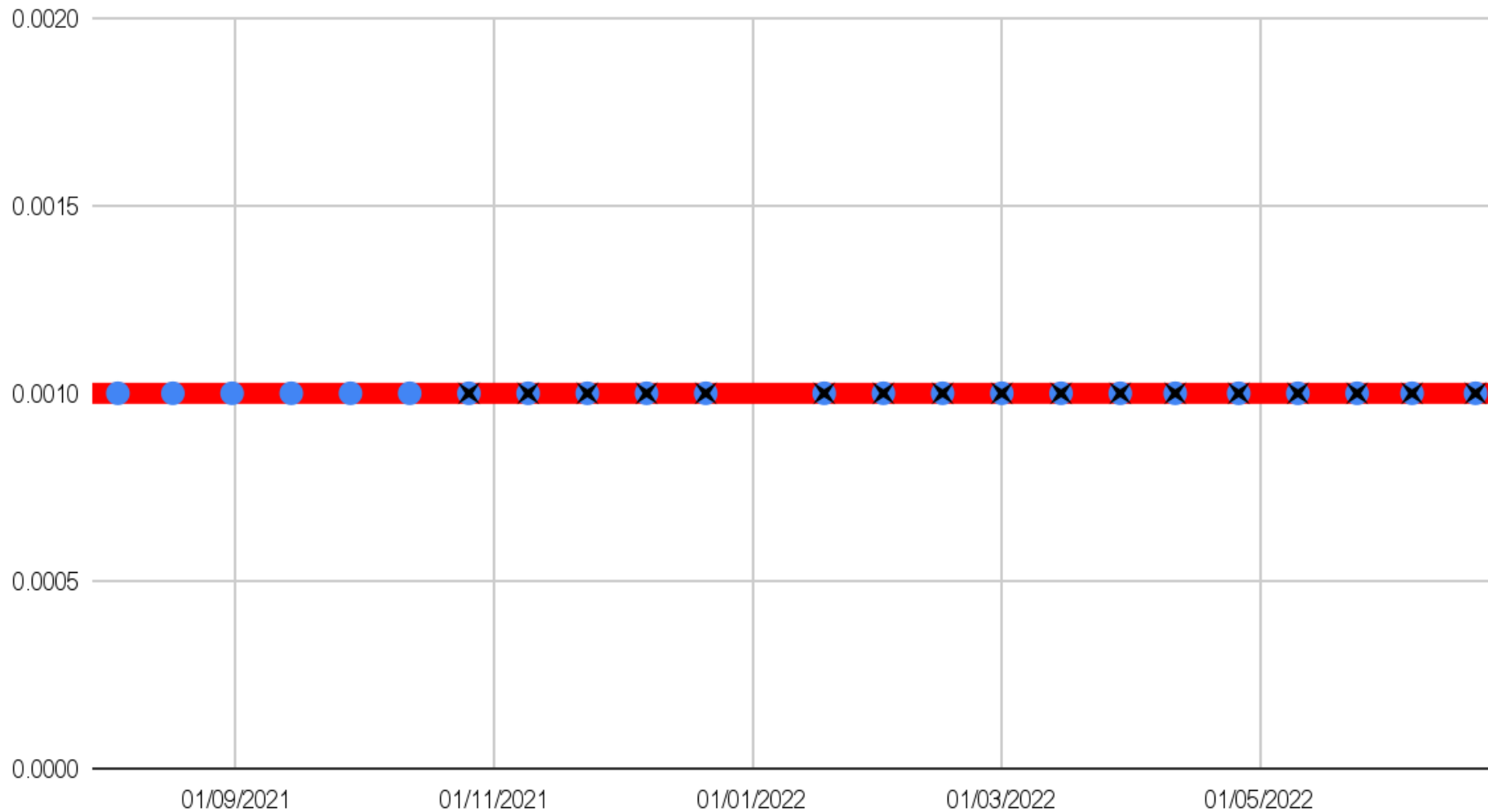


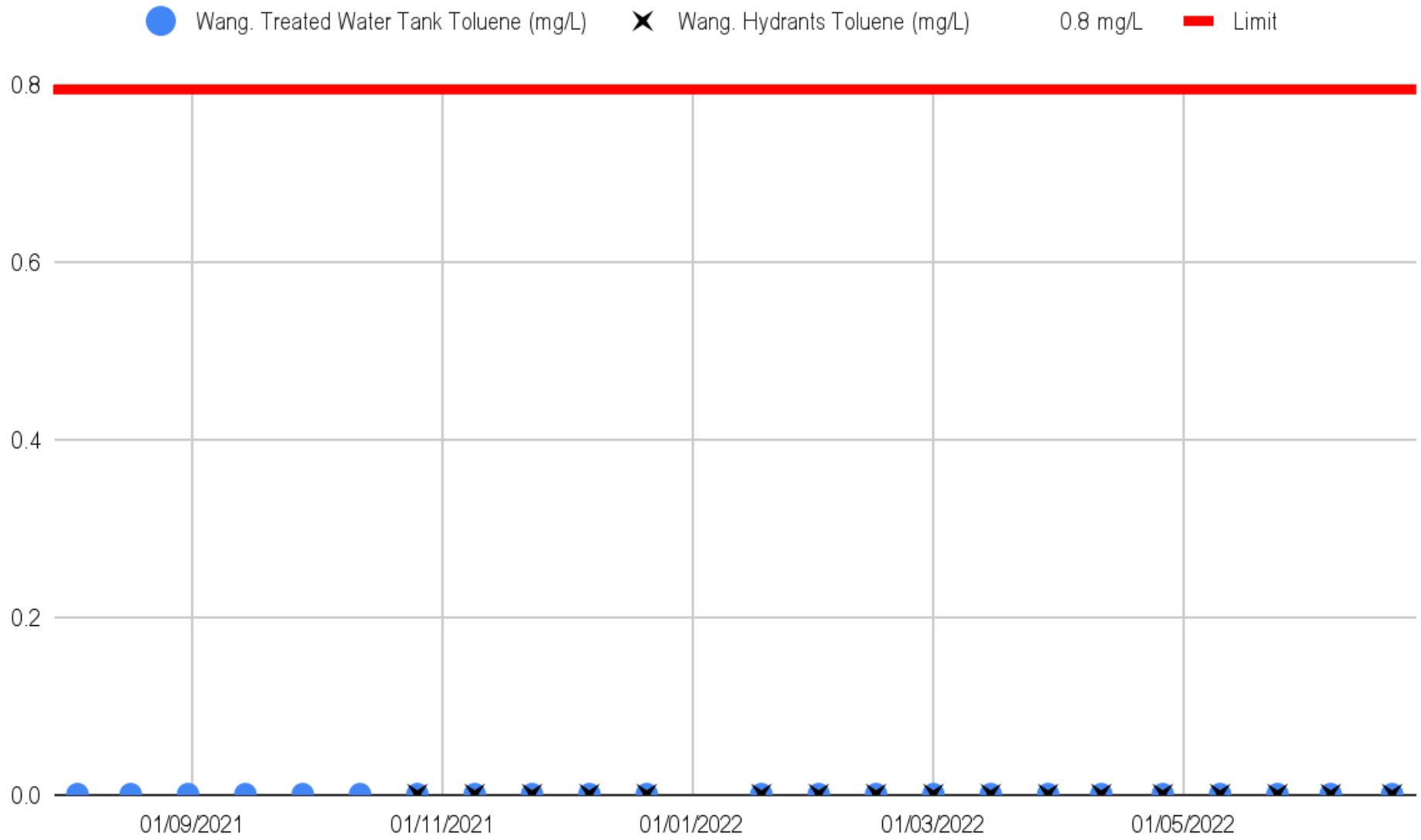
● Wang. Treated Water Tank Acid Soluble Aluminium (mg/L) ✕ Wang. Hydrants Acid Soluble Aluminium (mg/L) 0.2 mg/L
— Limit

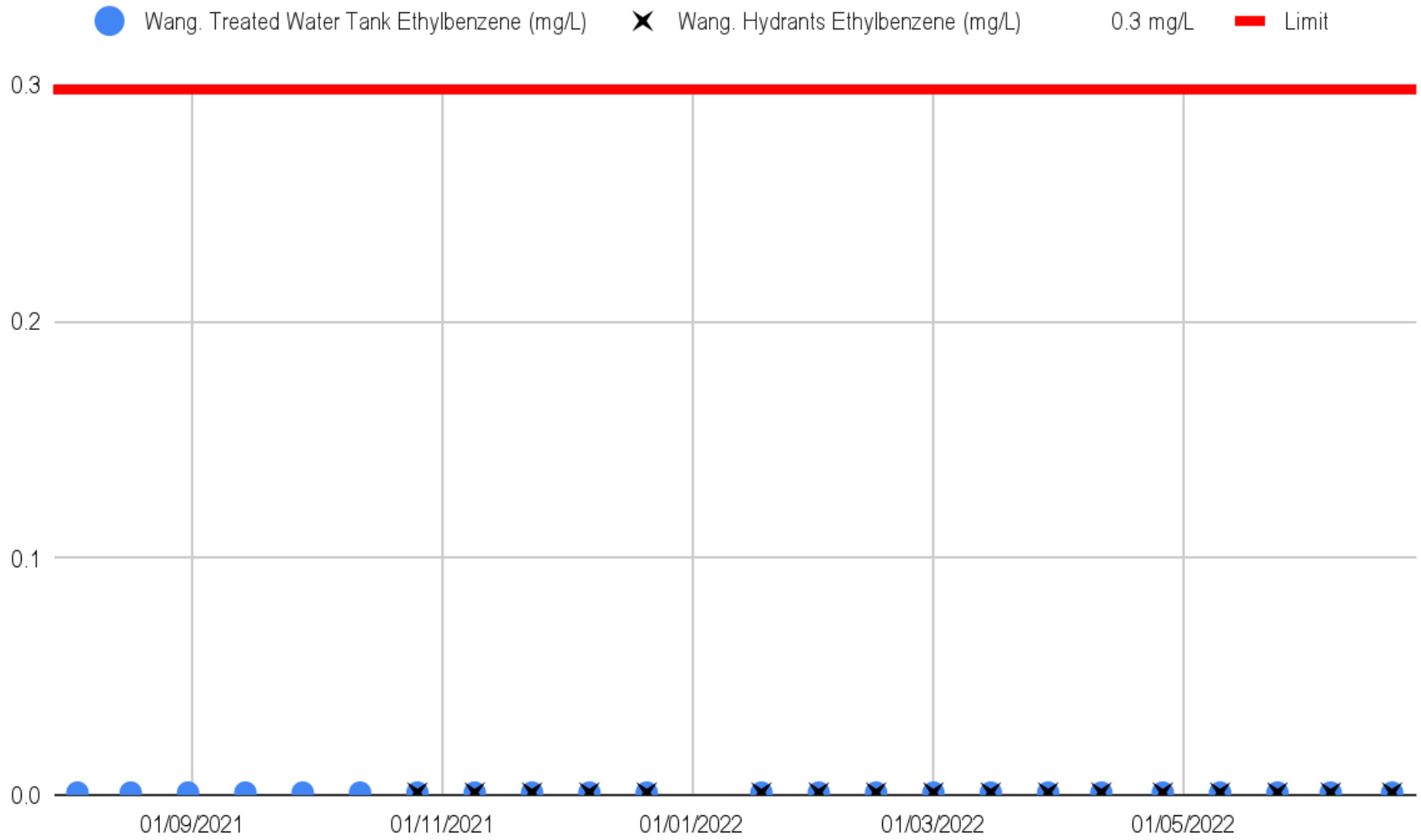


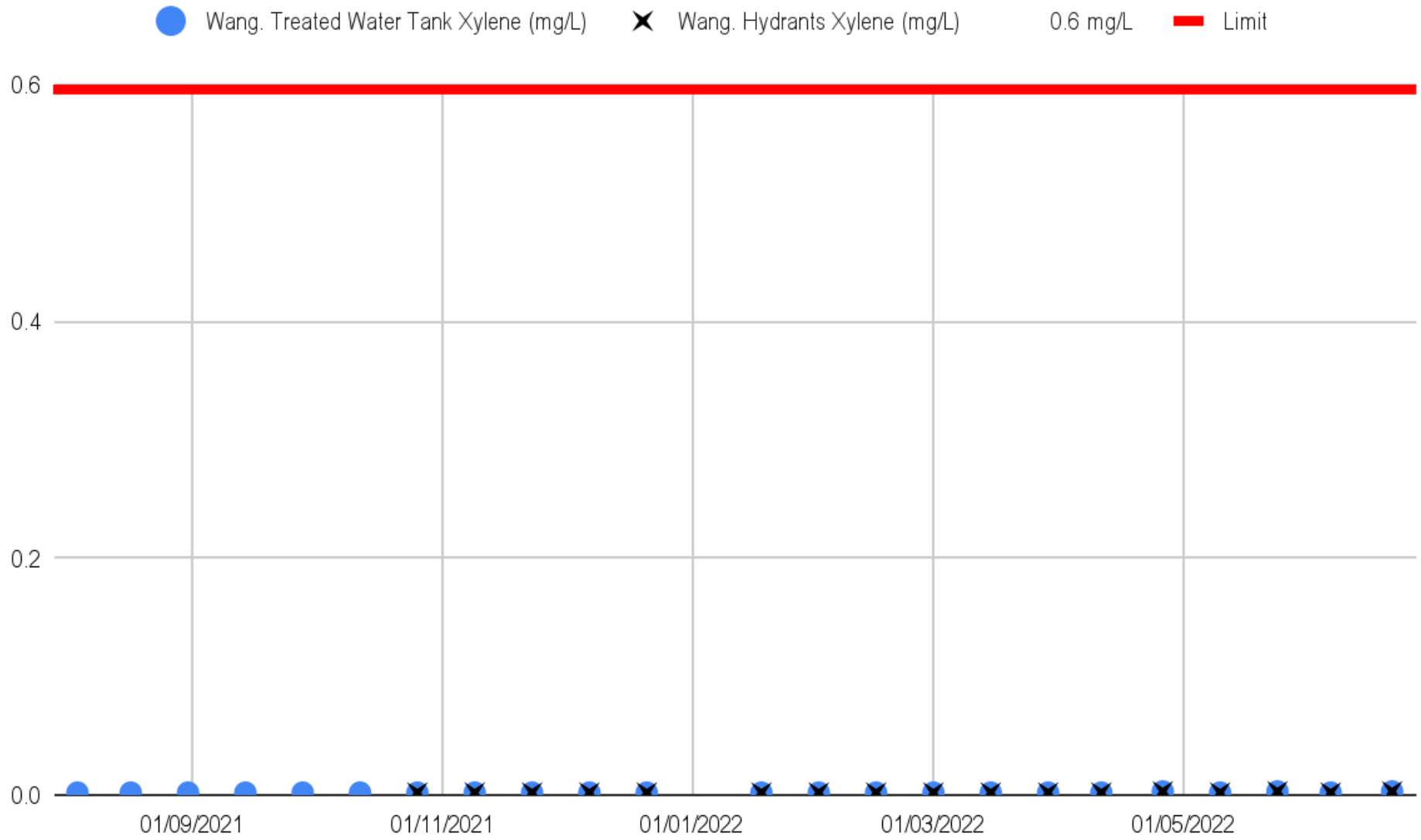


● Wang. Treated Water Tank Benzene (mg/L) ✕ Wang. Hydrants Benzene (mg/L) 0.001 mg/L — Limit

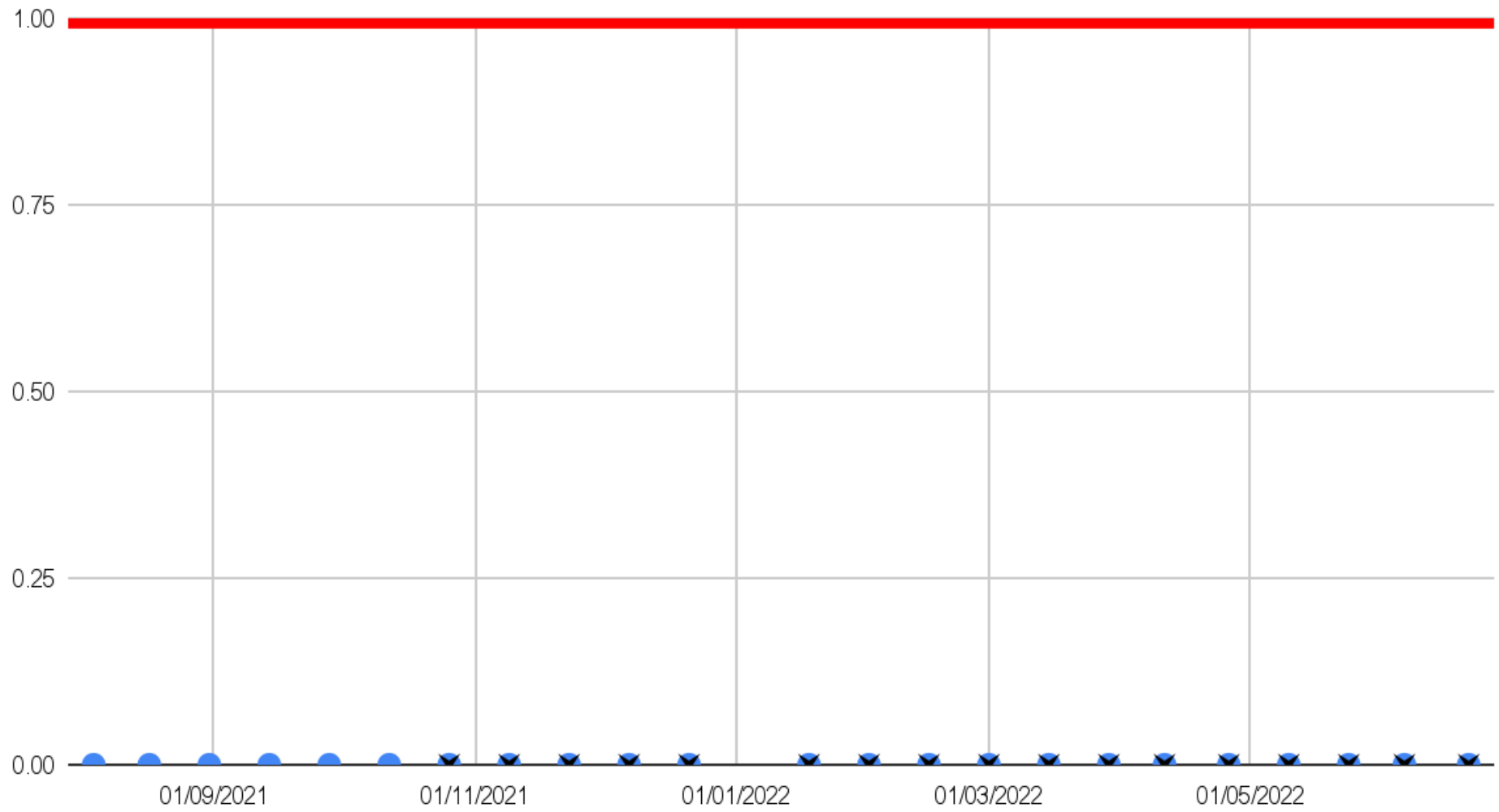


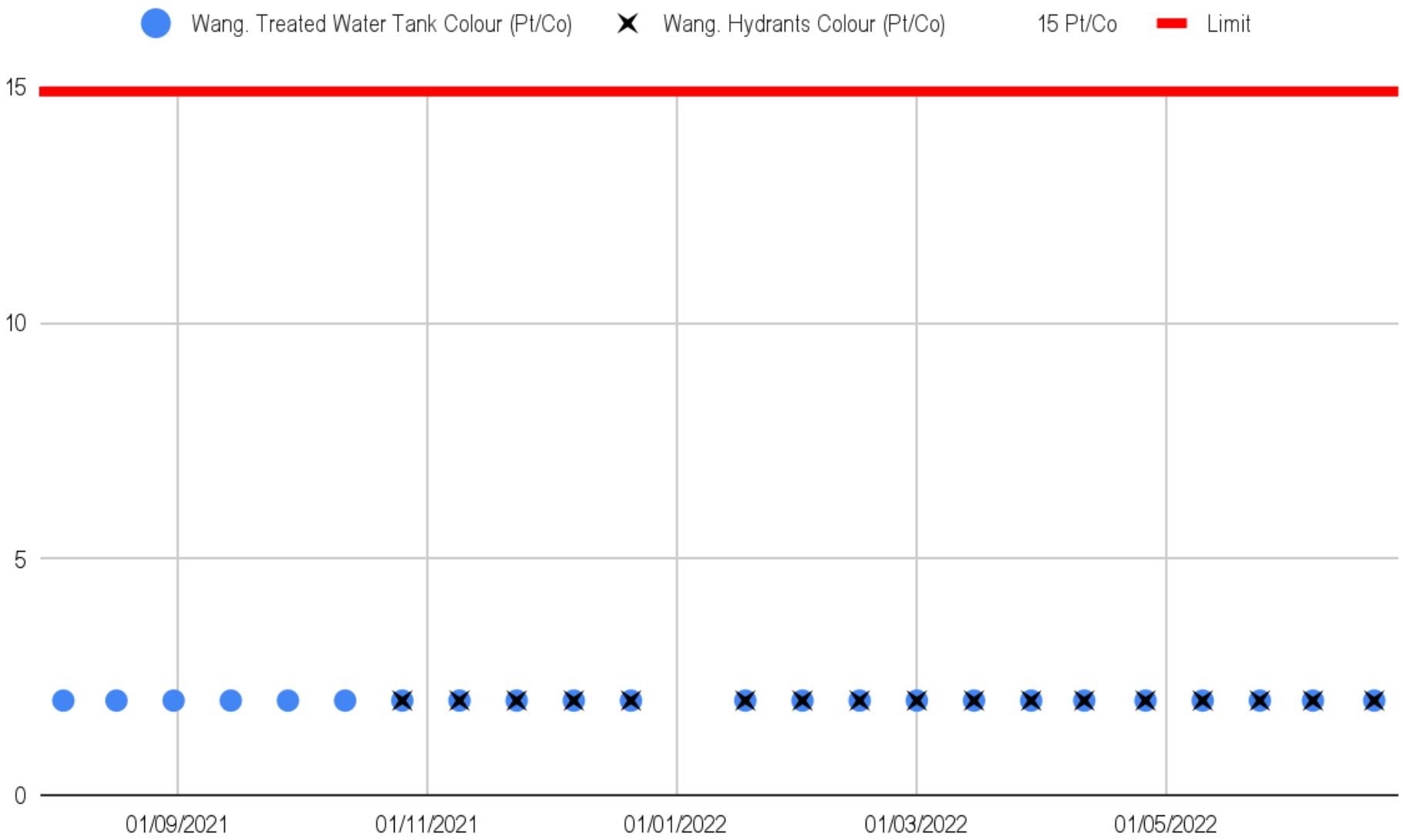


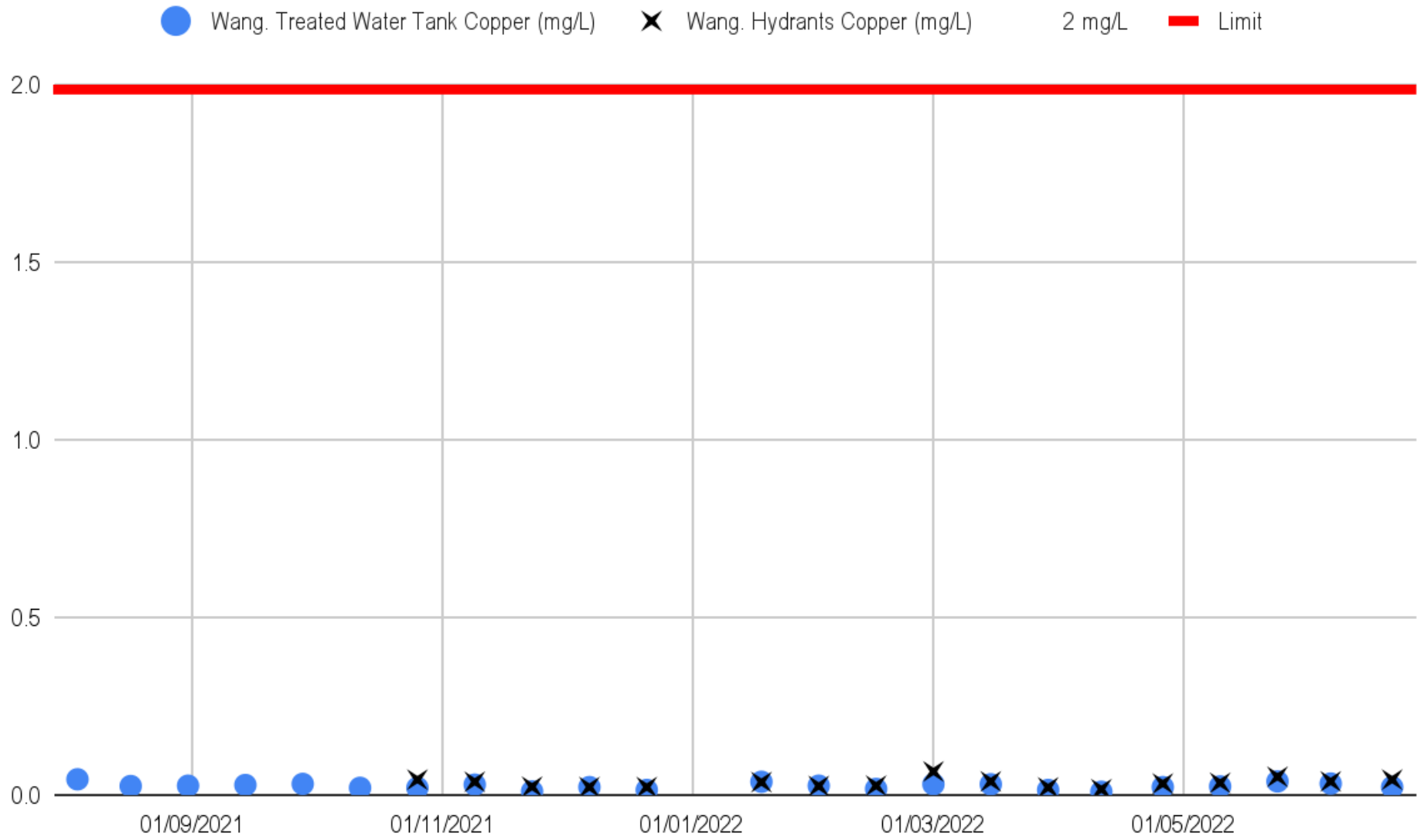


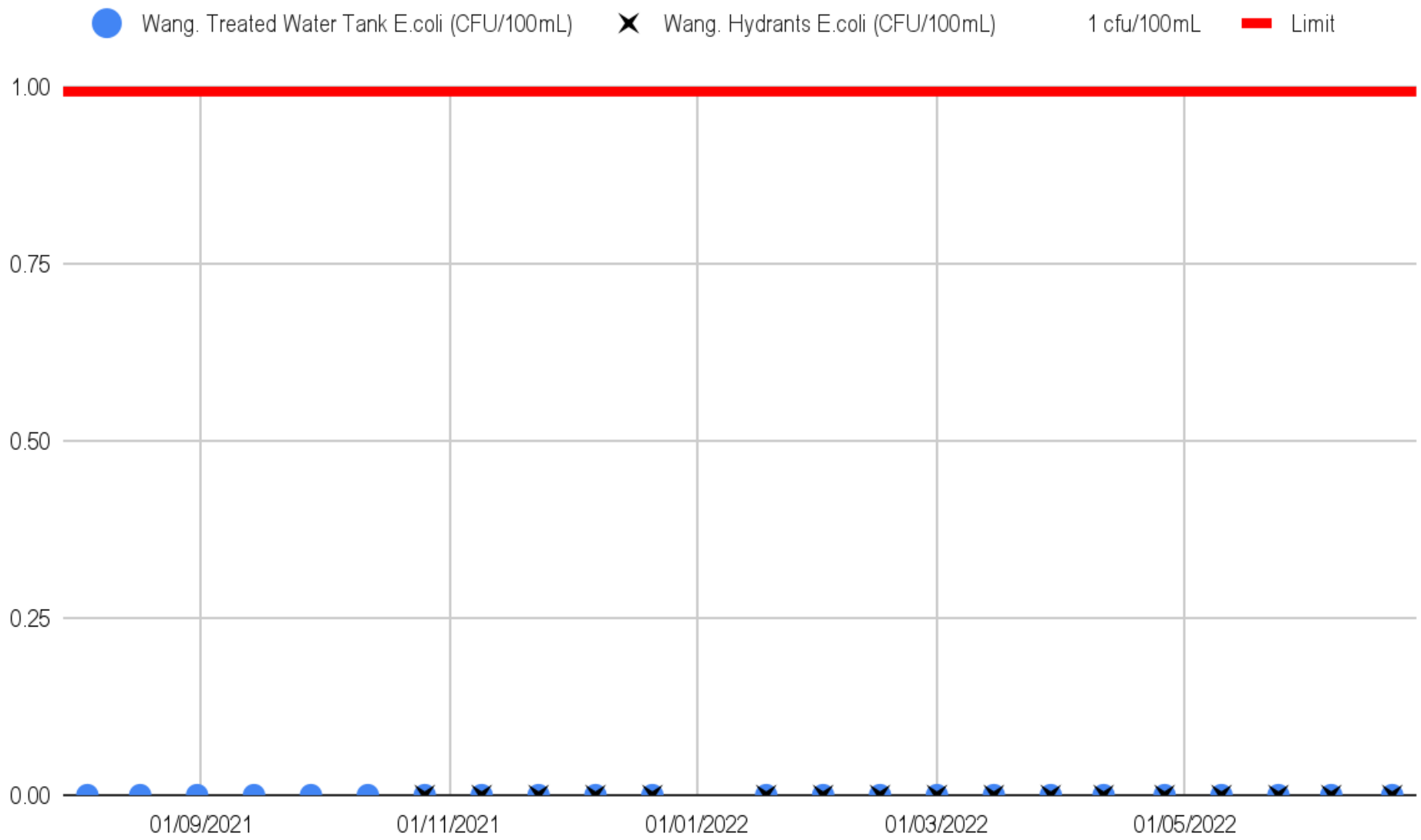


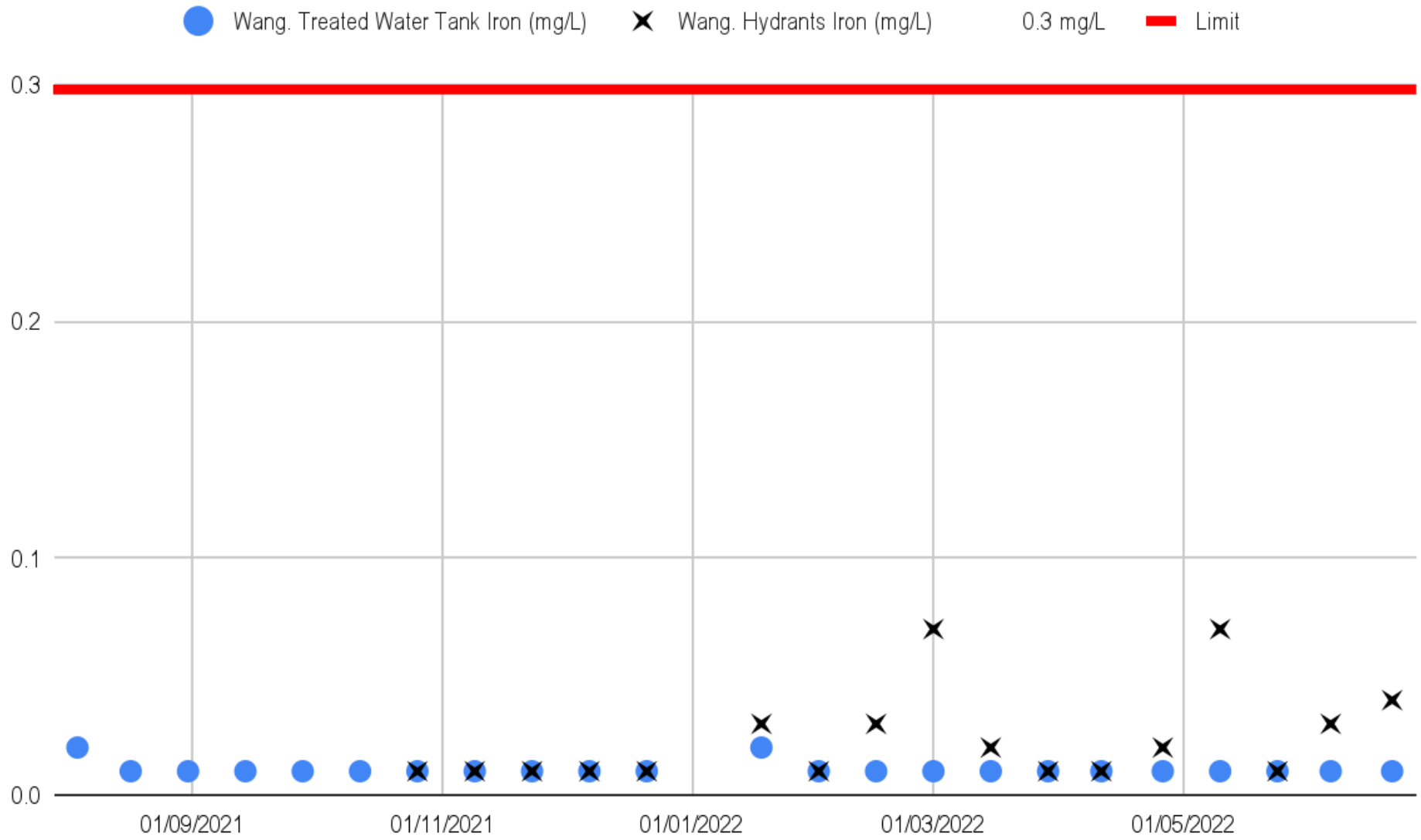
● Wang. Treated Water Tank Coliforms (CFU/100mL) ✕ Wang. Hydrants Coliforms (CFU/100mL) 1 cfu/100mL — Limit



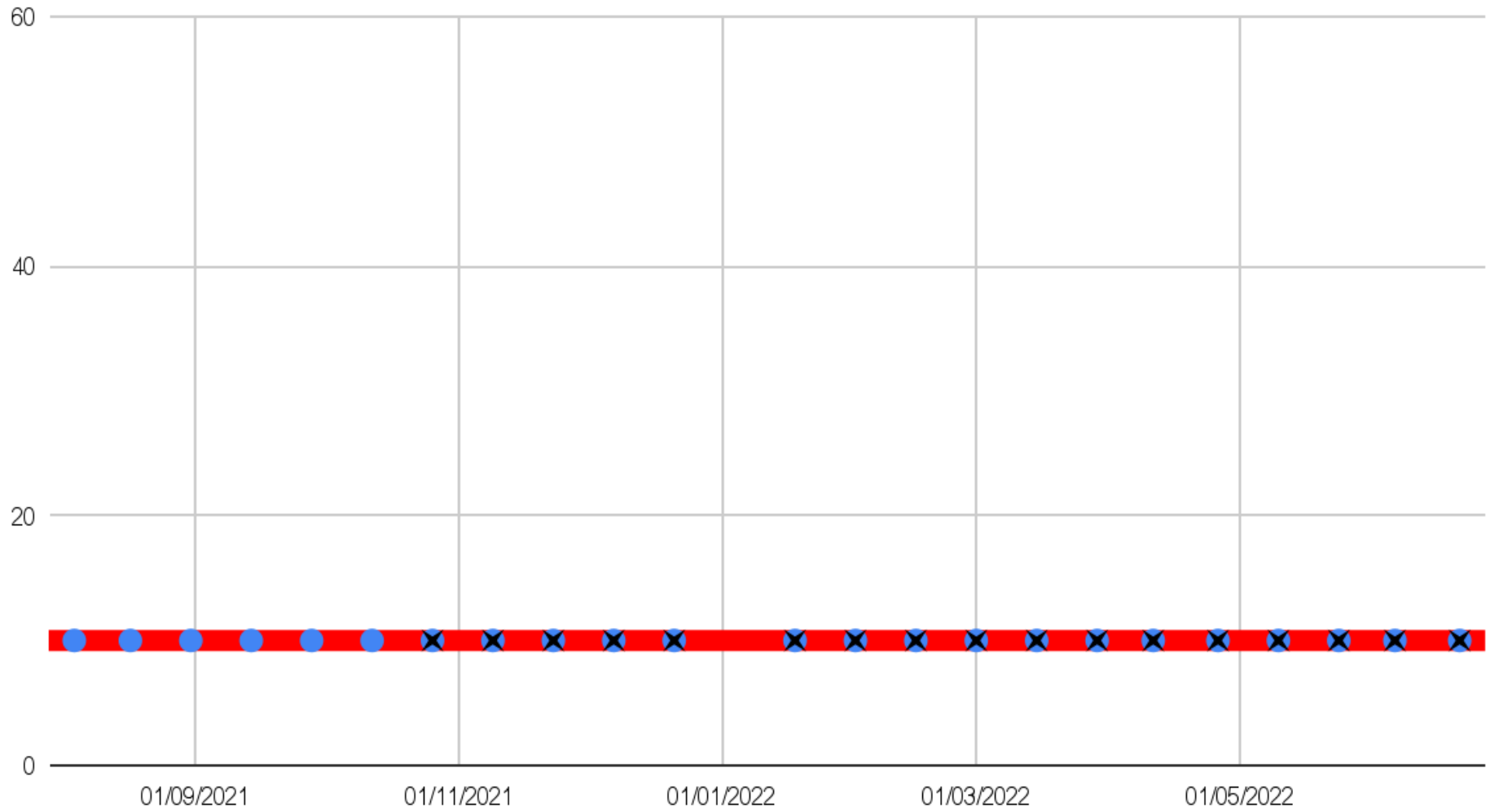


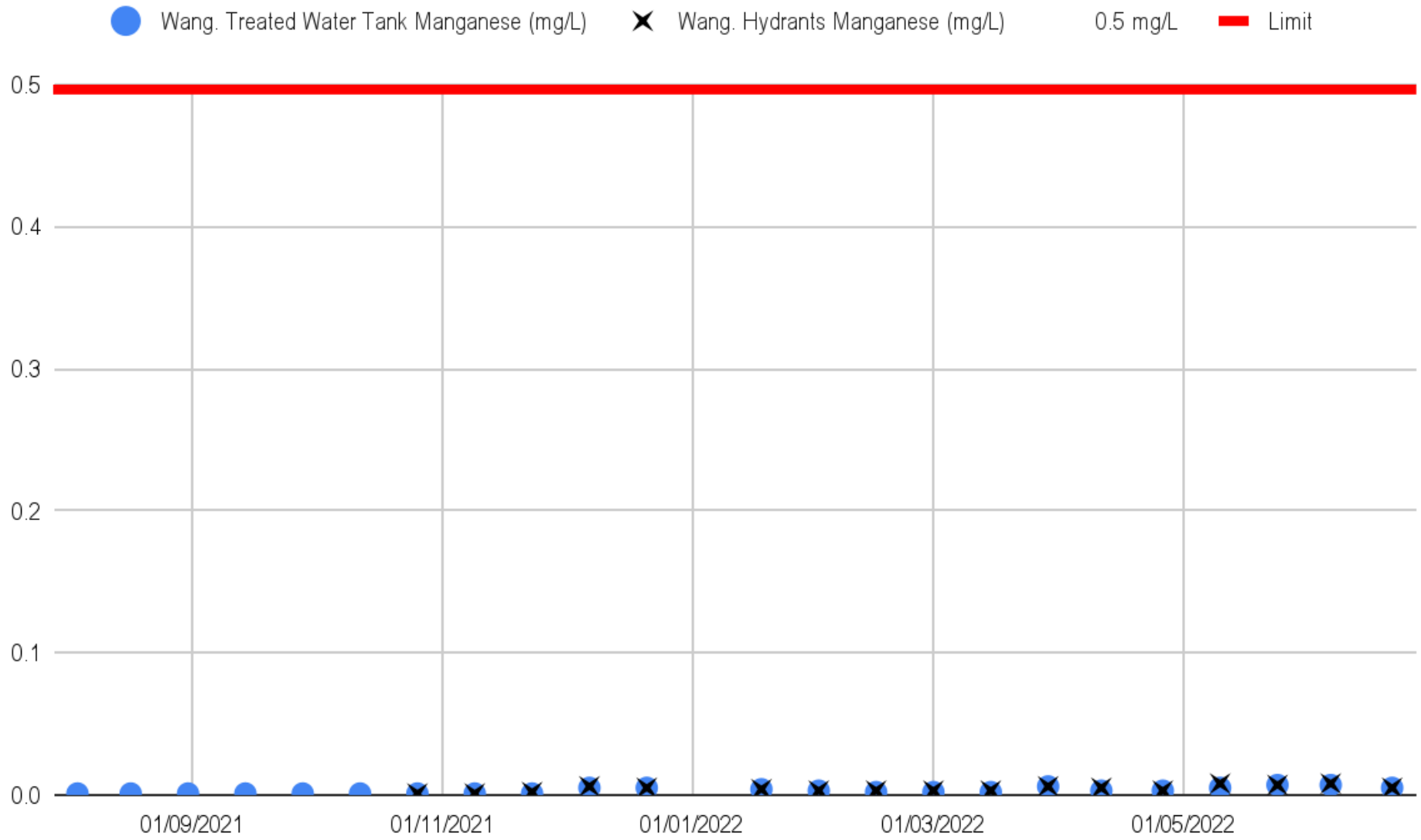




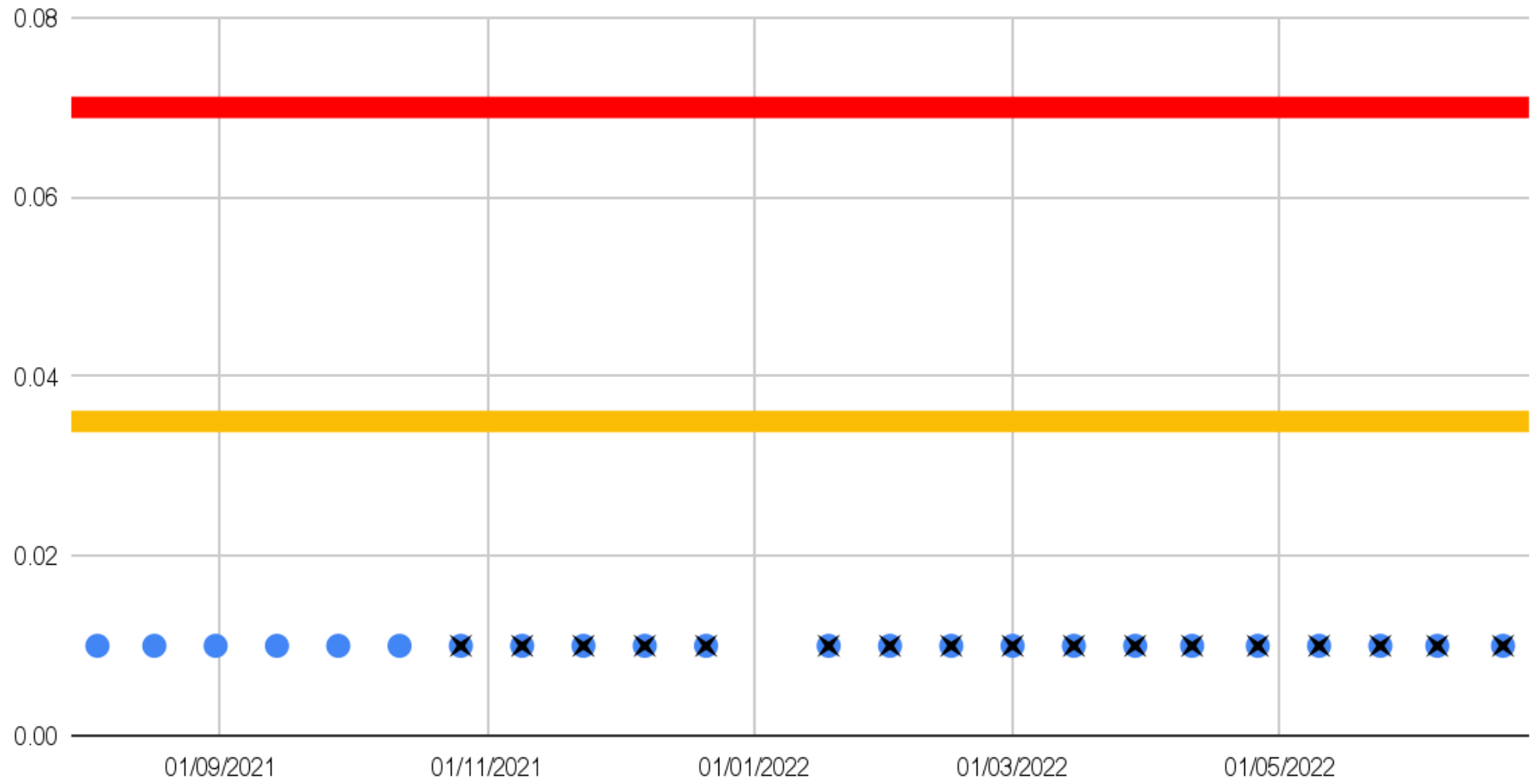


● Wang. Treated Water Tank Legionella spp (CFU/mL) ✕ Wang. Hydrants Legionella spp (CFU/mL) 10 cfu/mL ■ Limit

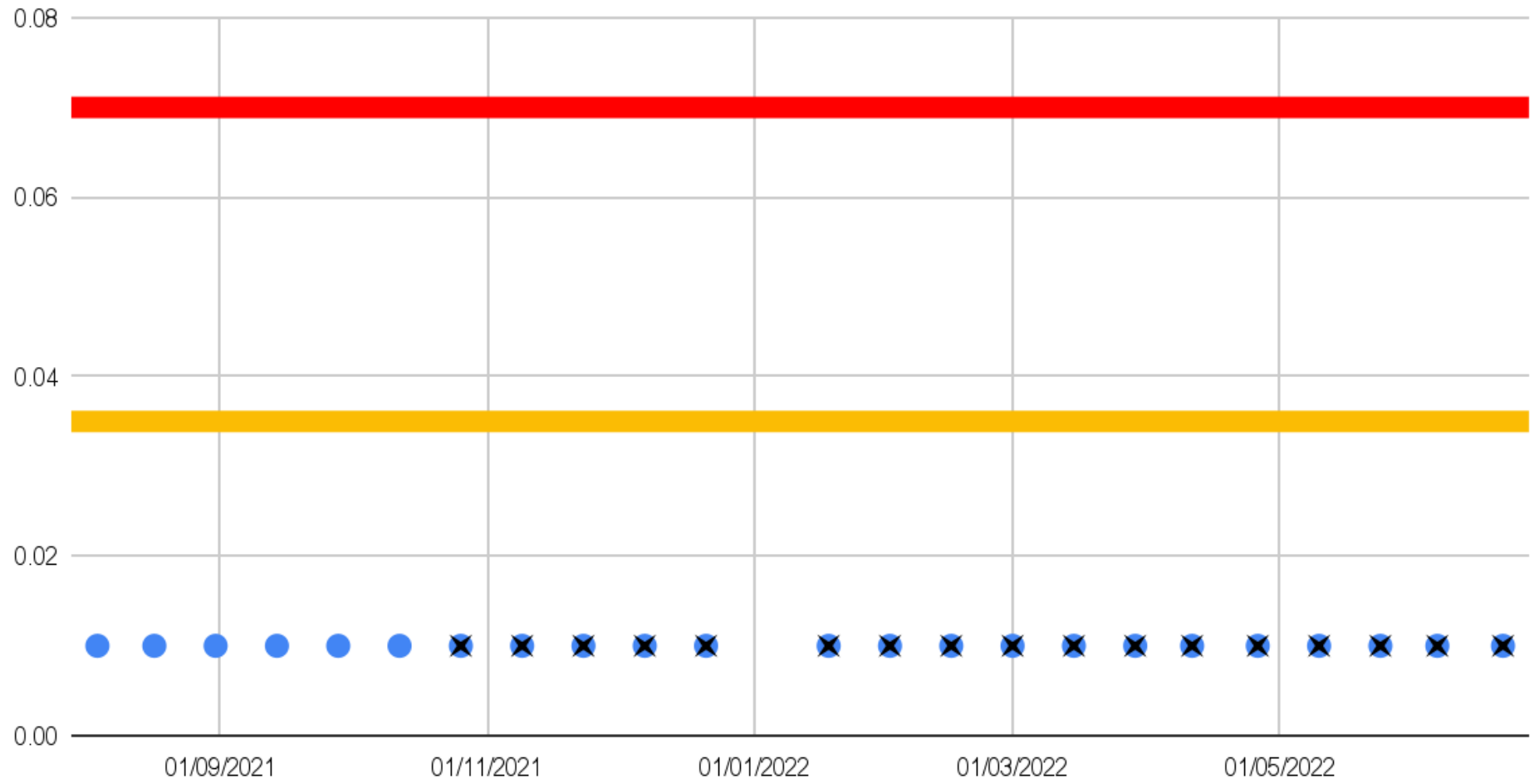




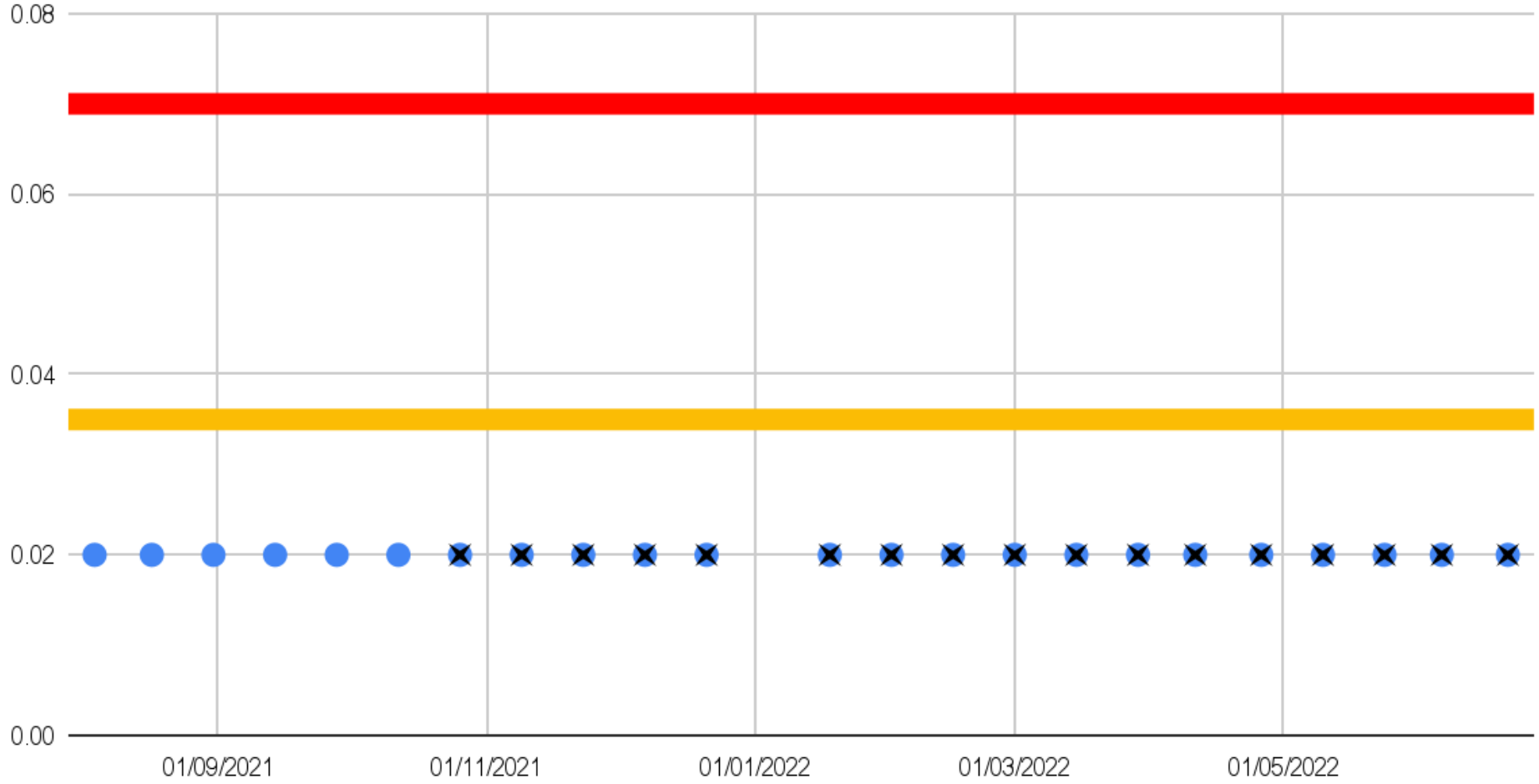
● Wang. Treated Water Tank PFOA ($\mu\text{g/L}$) ✕ Wang. Hydrants PFOA ($\mu\text{g/L}$) PFOA + PFOS 0.07 $\mu\text{g/L}$ — Limit
PFOA 0.035 $\mu\text{g/L}$ — Target

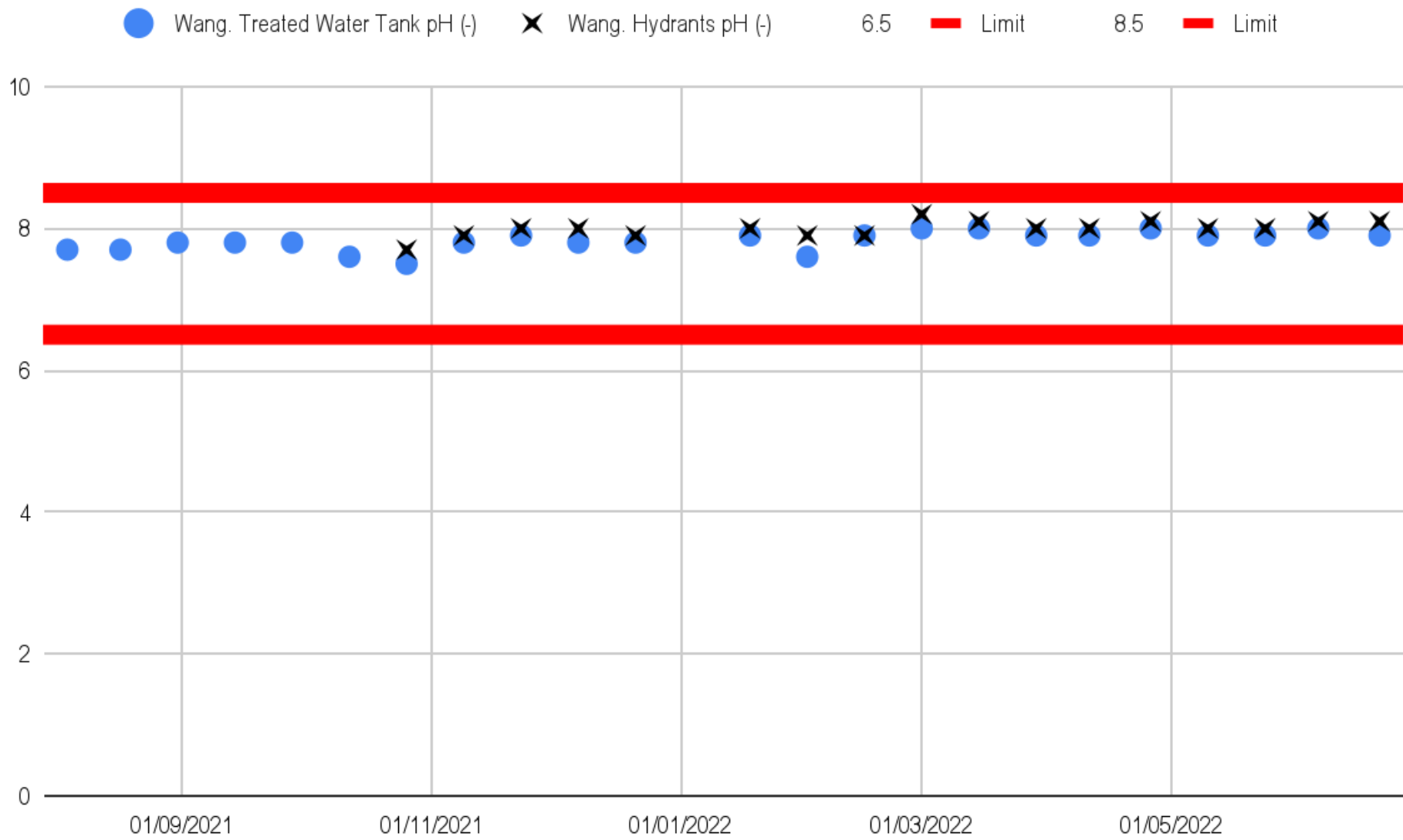


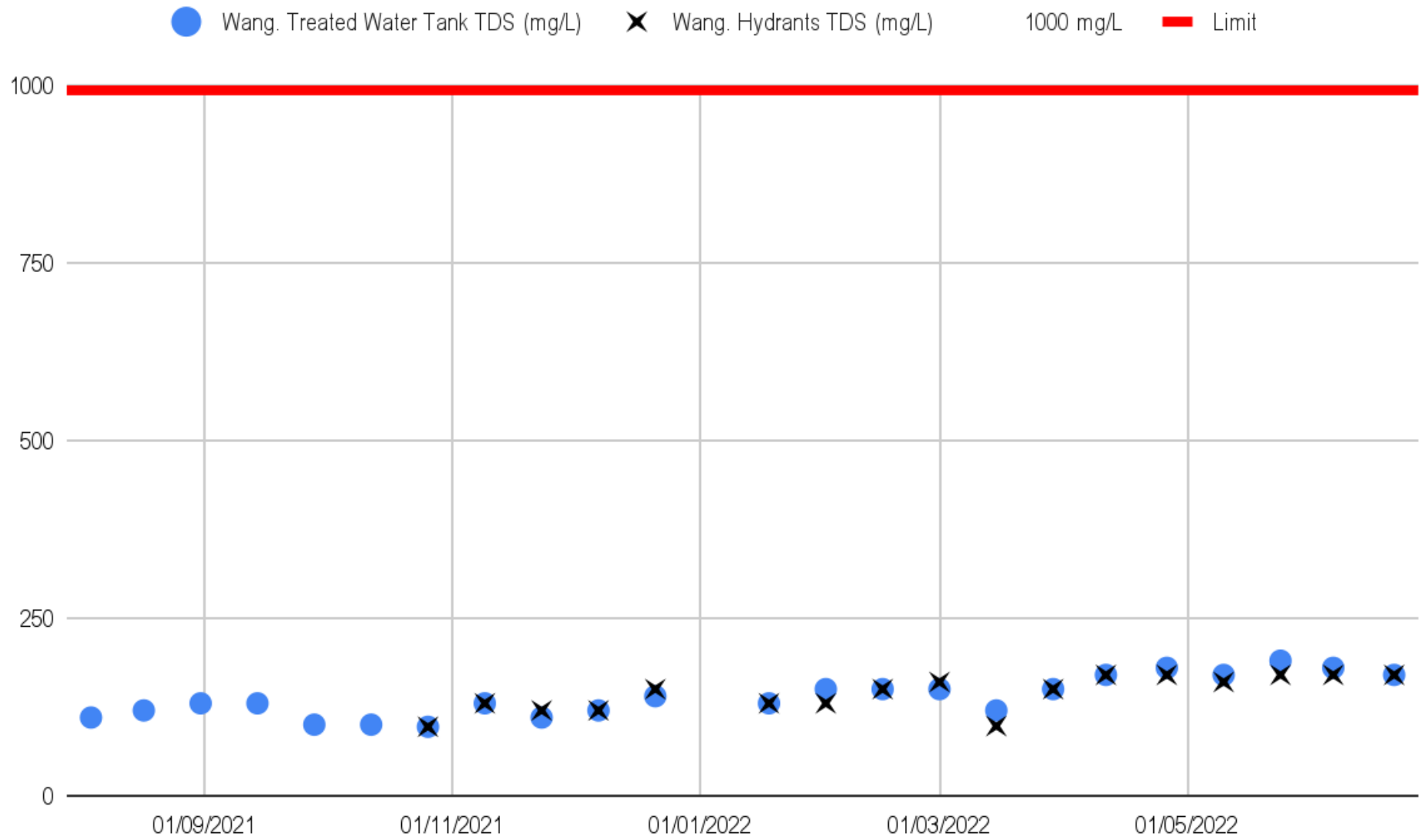
● Wang. Treated Water Tank PFOS ($\mu\text{g/L}$) ✕ Wang. Hydrants PFOS ($\mu\text{g/L}$) PFOA + PFOS 0.07 $\mu\text{g/L}$ ■ Limit
PFOS 0.035 $\mu\text{g/L}$ ■ Target

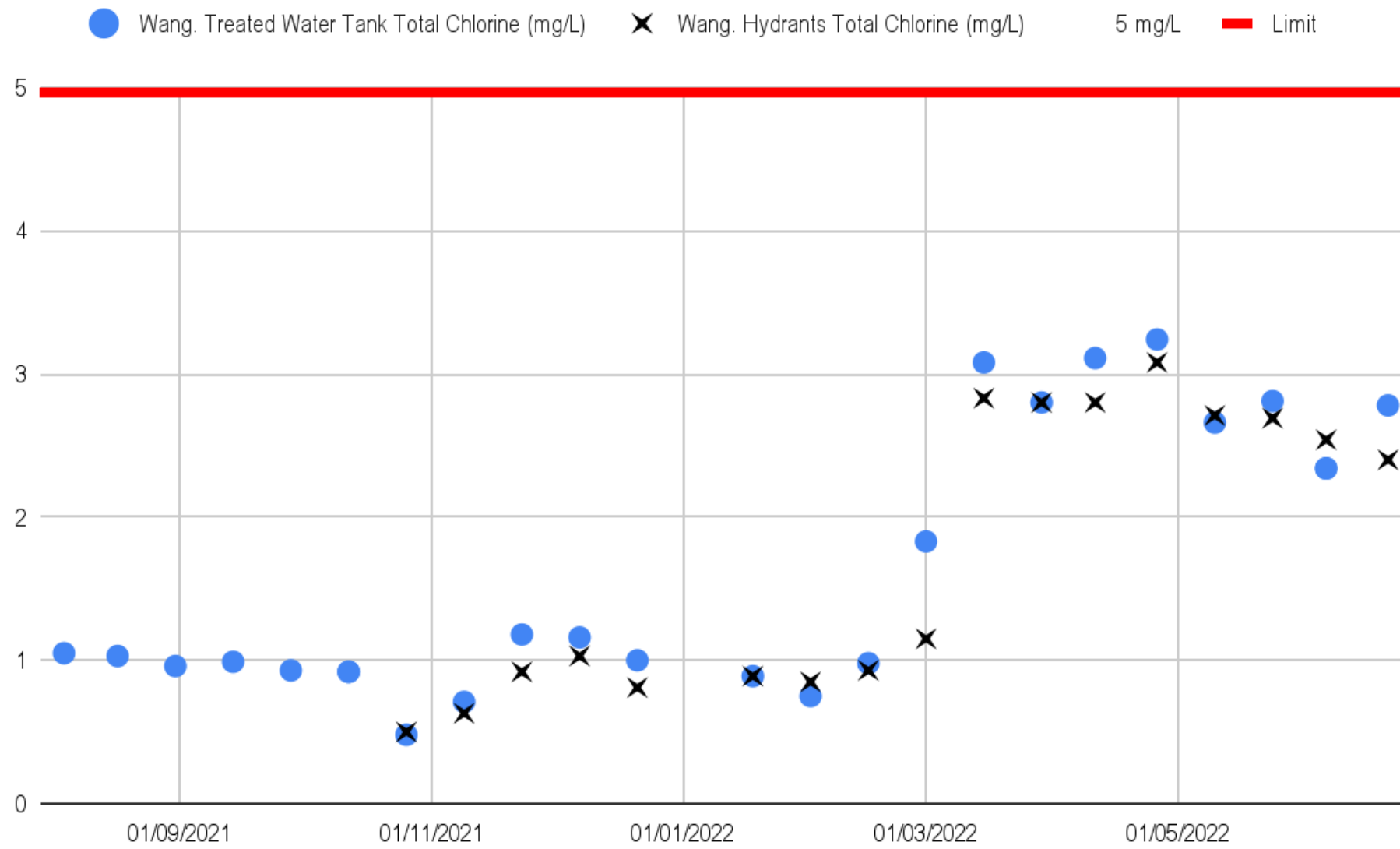


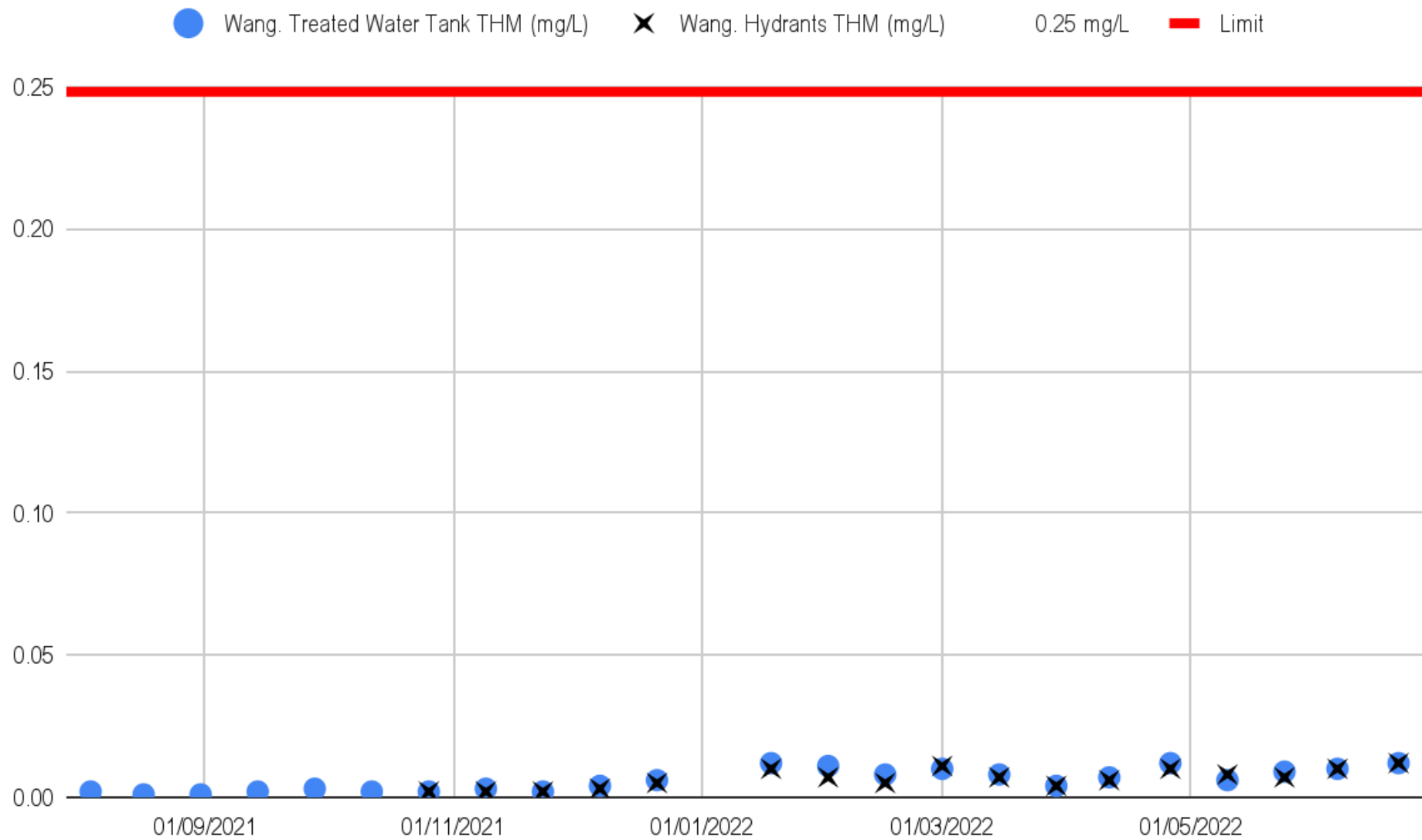
● Wang. Treated Water Tank PFHxS ($\mu\text{g/L}$) ✕ Wang. Hydrants PFHxS ($\mu\text{g/L}$) PFOS + PFHxS $0.07 \mu\text{g/L}$ ■ Limit
PFHxS $0.035 \mu\text{g/L}$ ■ Target

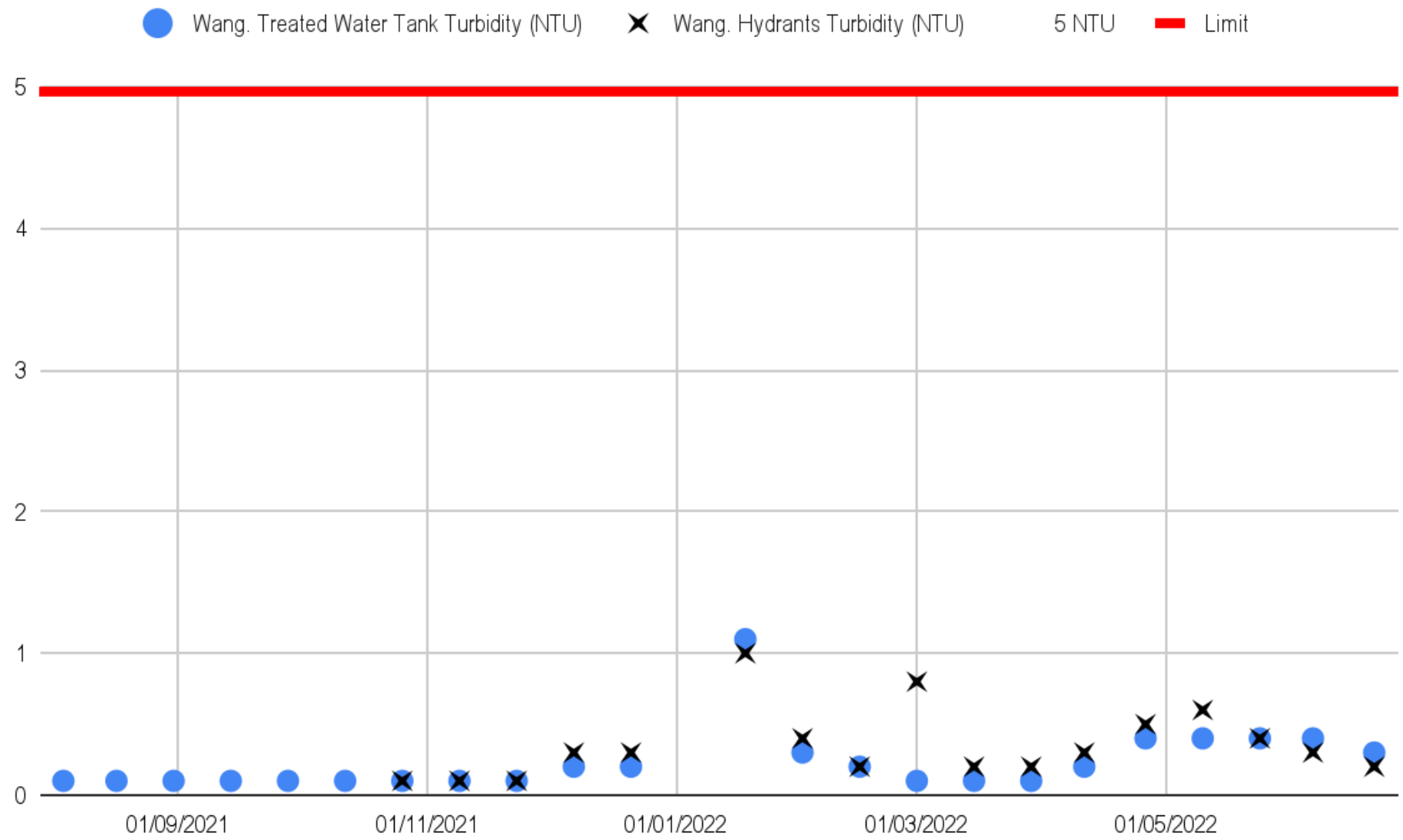




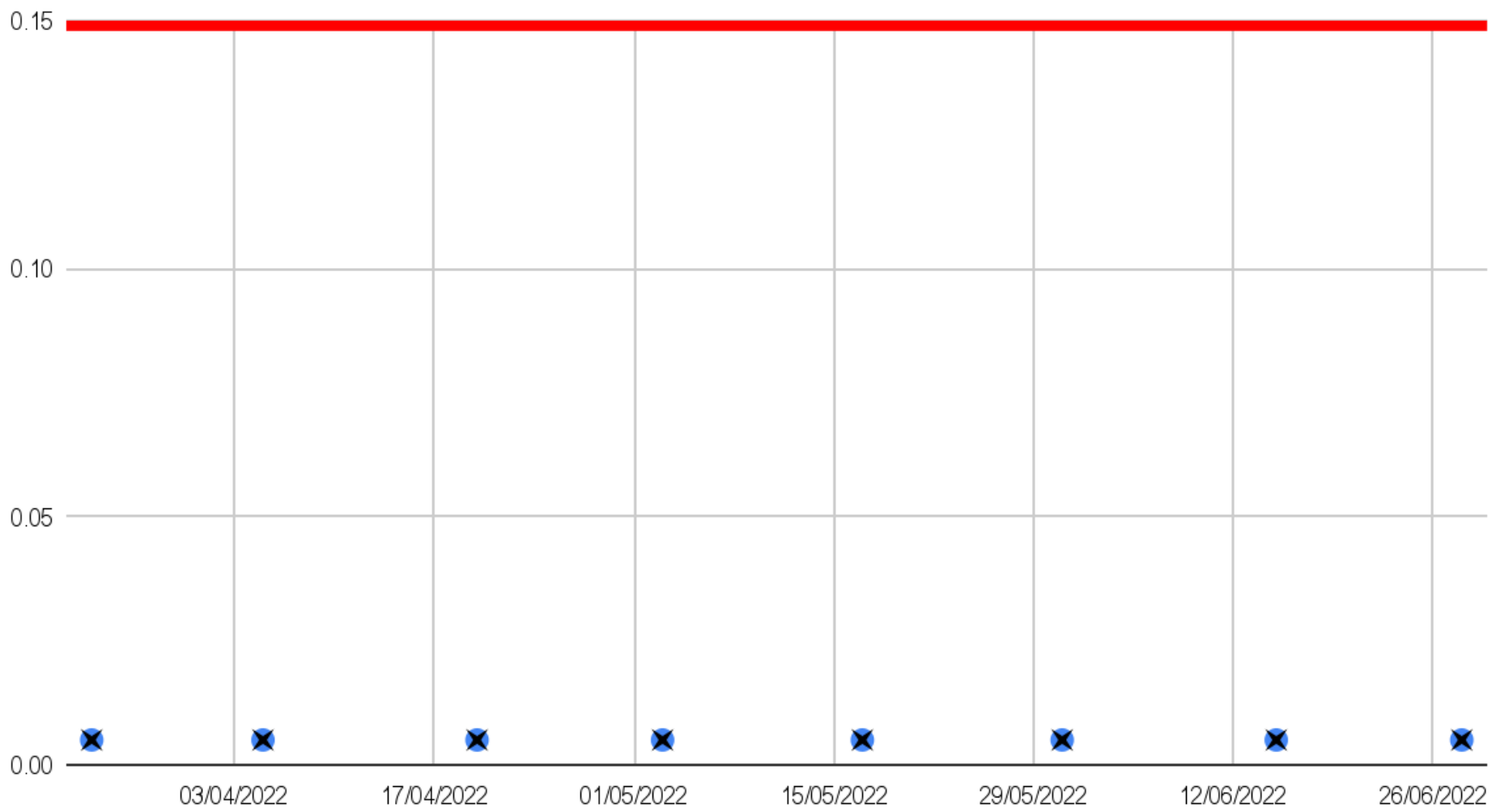




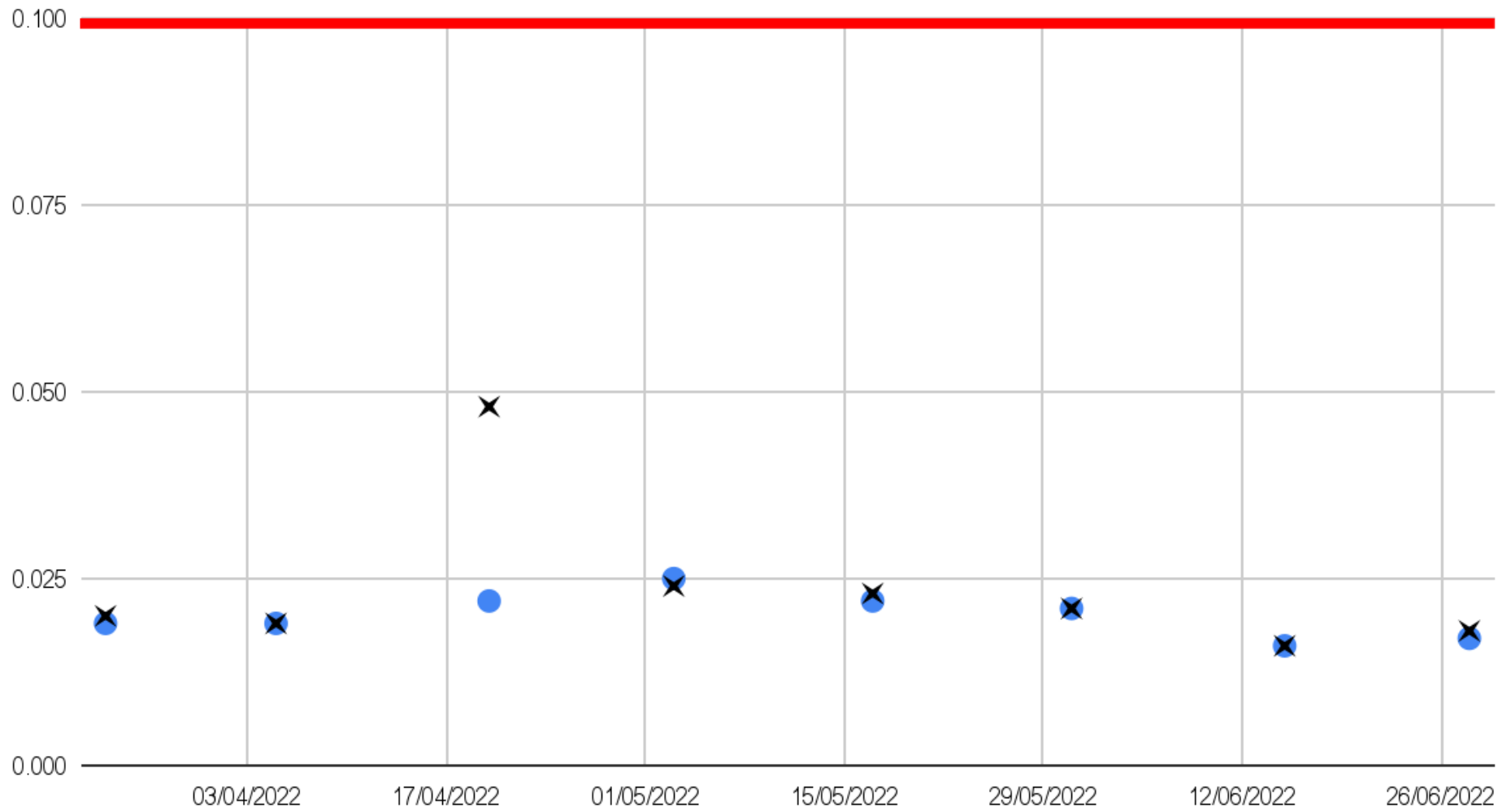




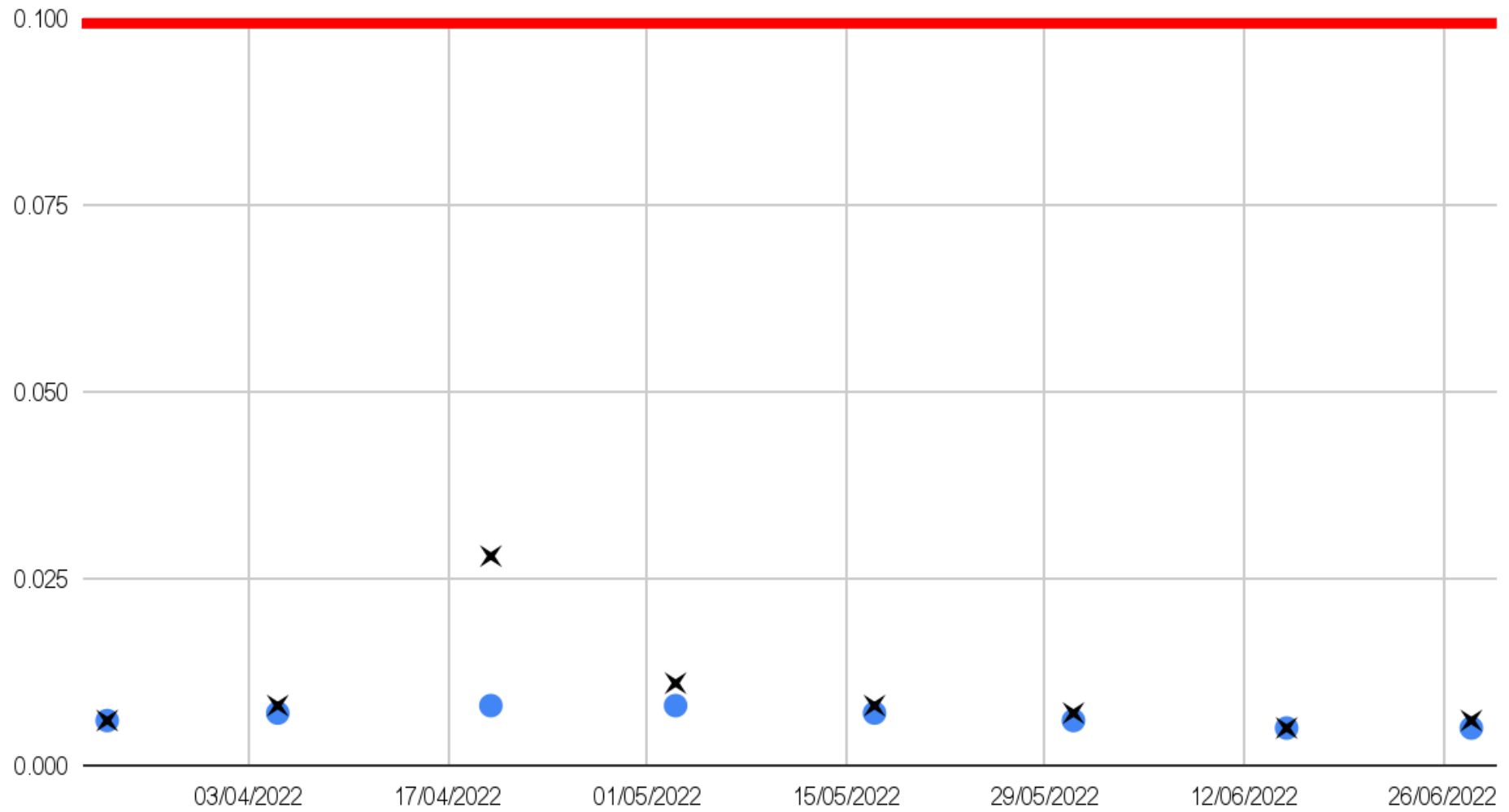
● Sunraysia Treated Water Tank Chloroacetic Acid (mg/L) ✕ Sunraysia Hydrants Chloroacetic Acid (mg/L) 0.15 mg/L — Limit

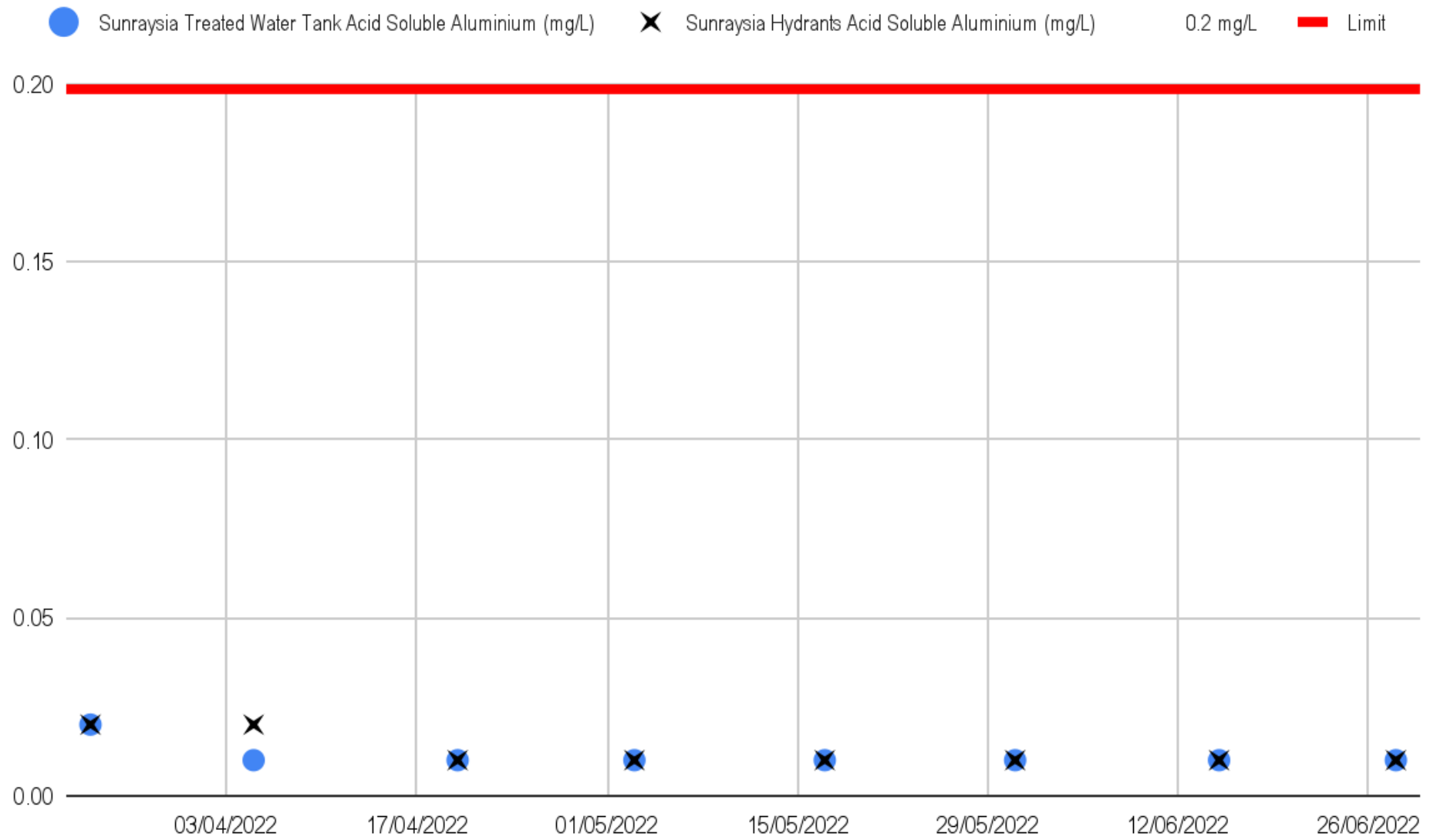


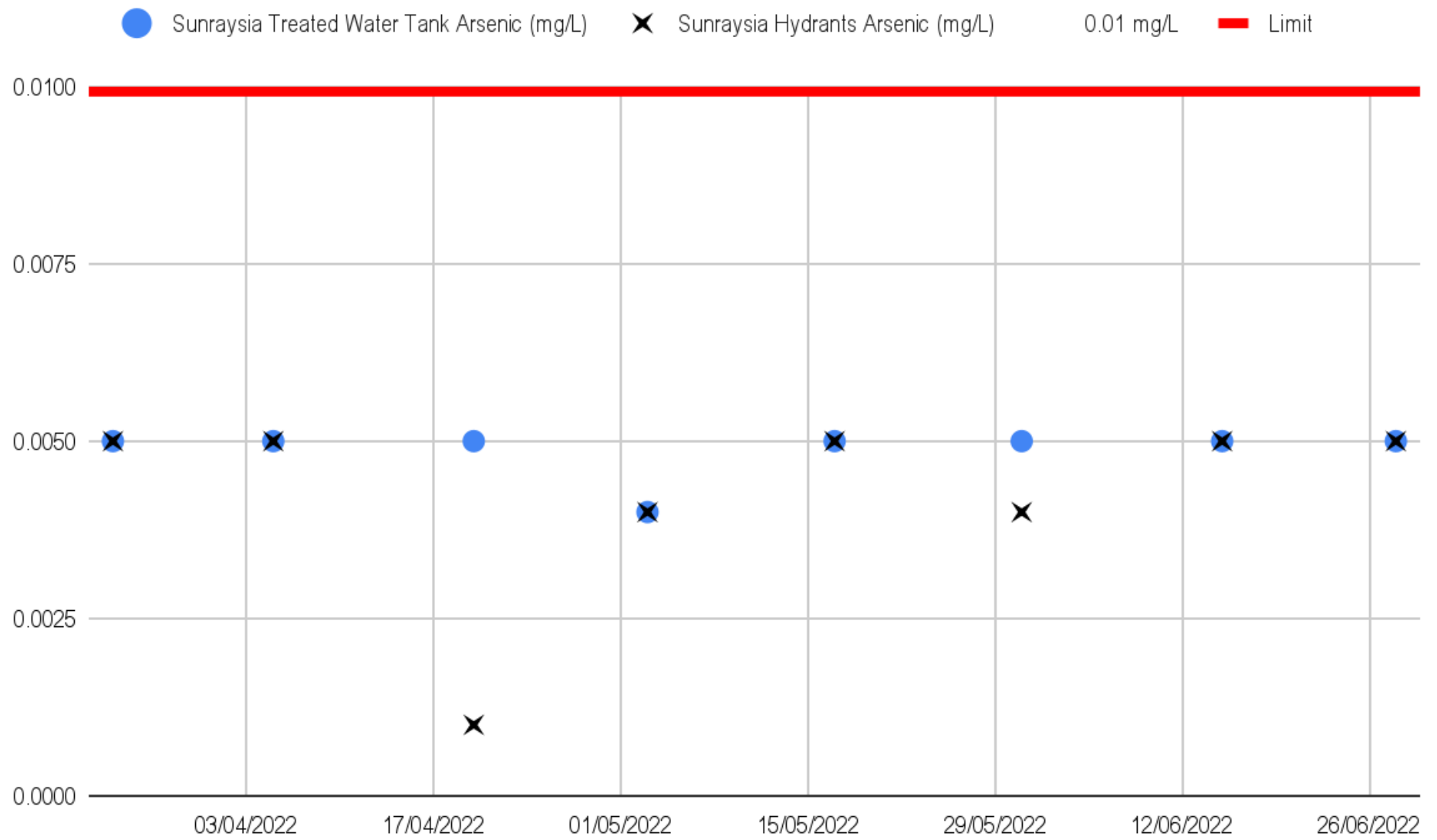
● Sunraysia Treated Water Tank Dichloroacetic Acid (mg/L) ✕ Sunraysia Hydrants Dichloroacetic Acid (mg/L) 0.1 mg/L — Limit



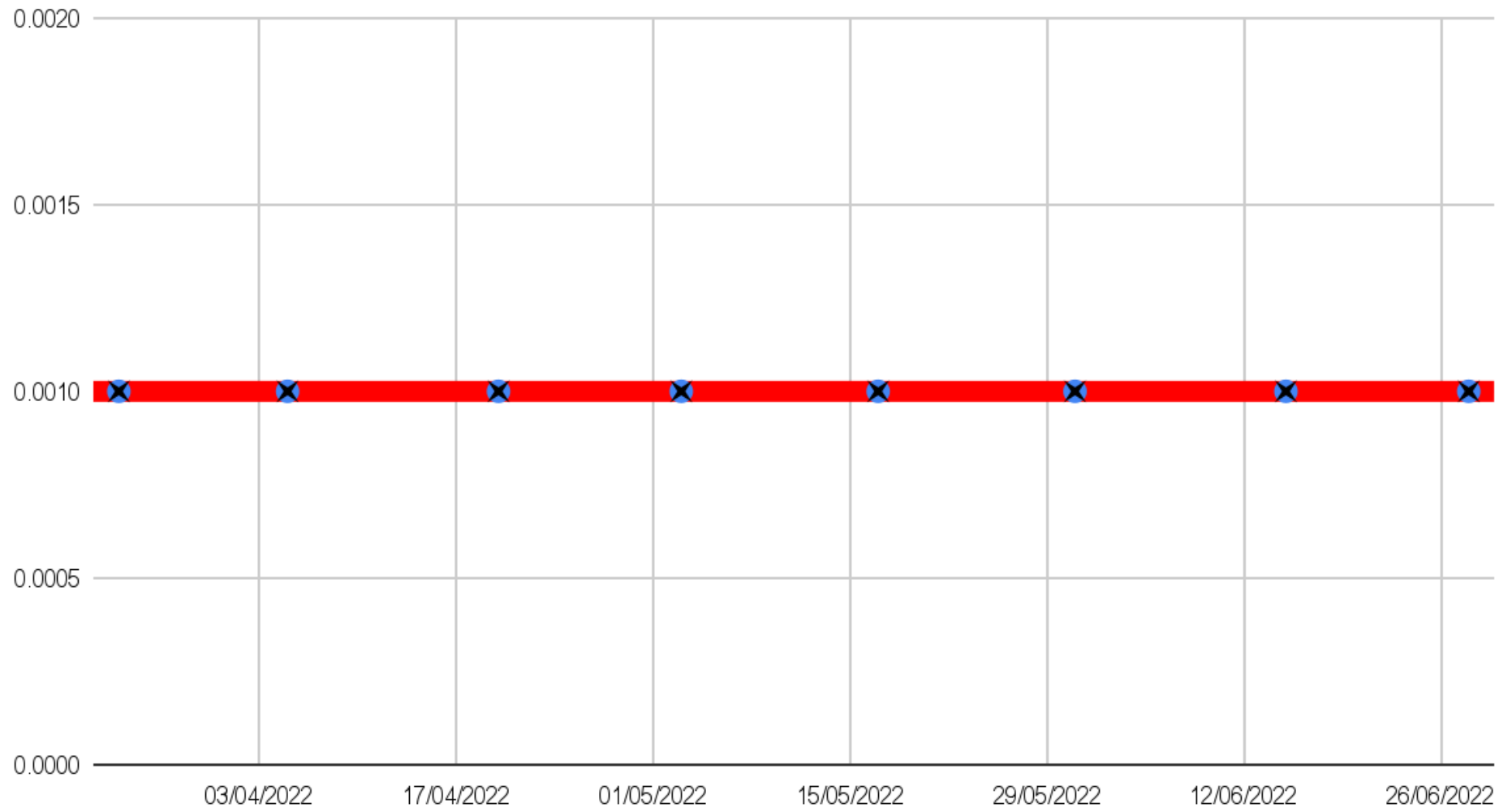
● Sunraysia Treated Water Tank Trichloroacetic Acid (mg/L) ✕ Sunraysia Hydrants Trichloroacetic Acid (mg/L) 0.1 mg/L — Limit

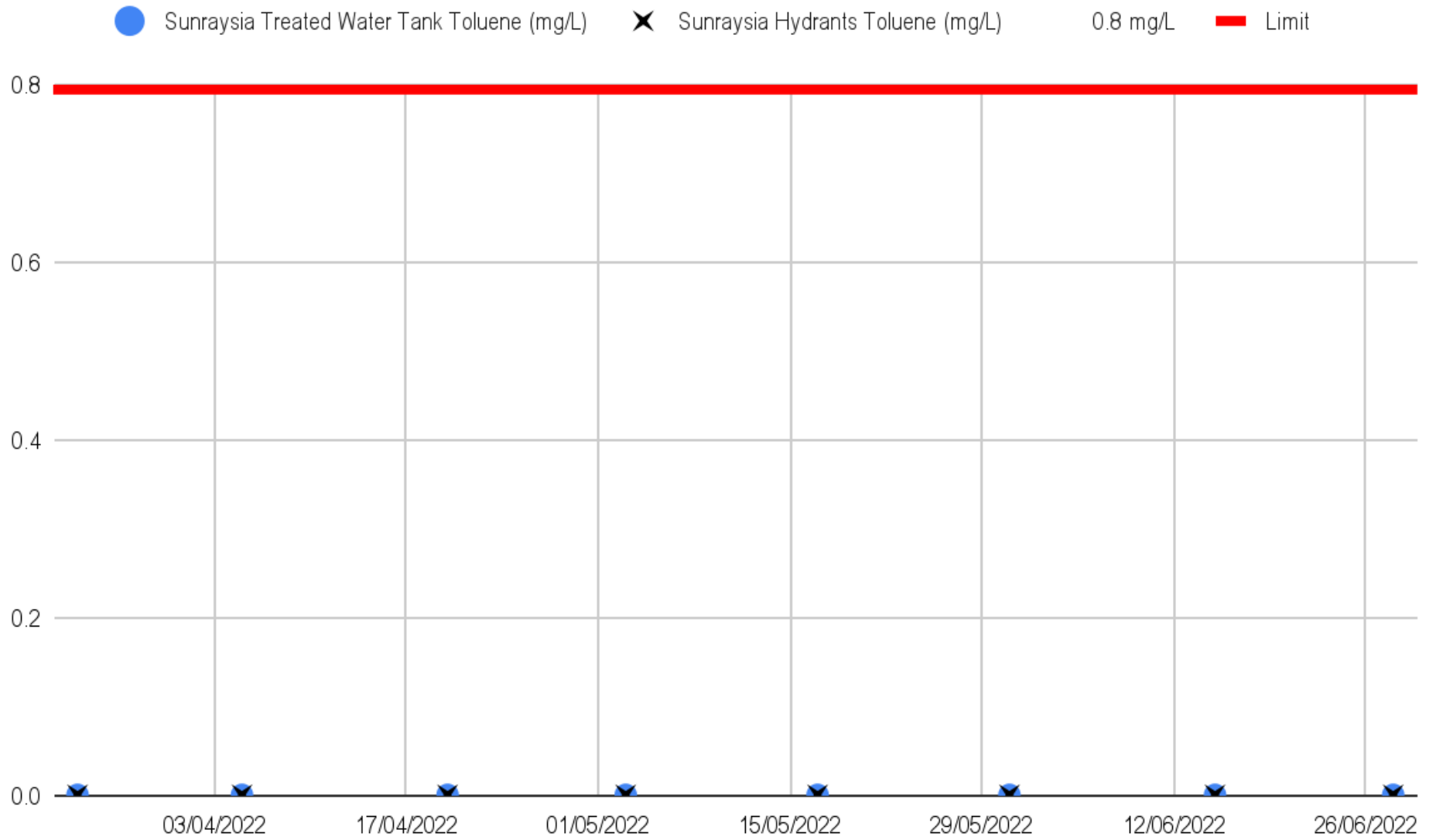




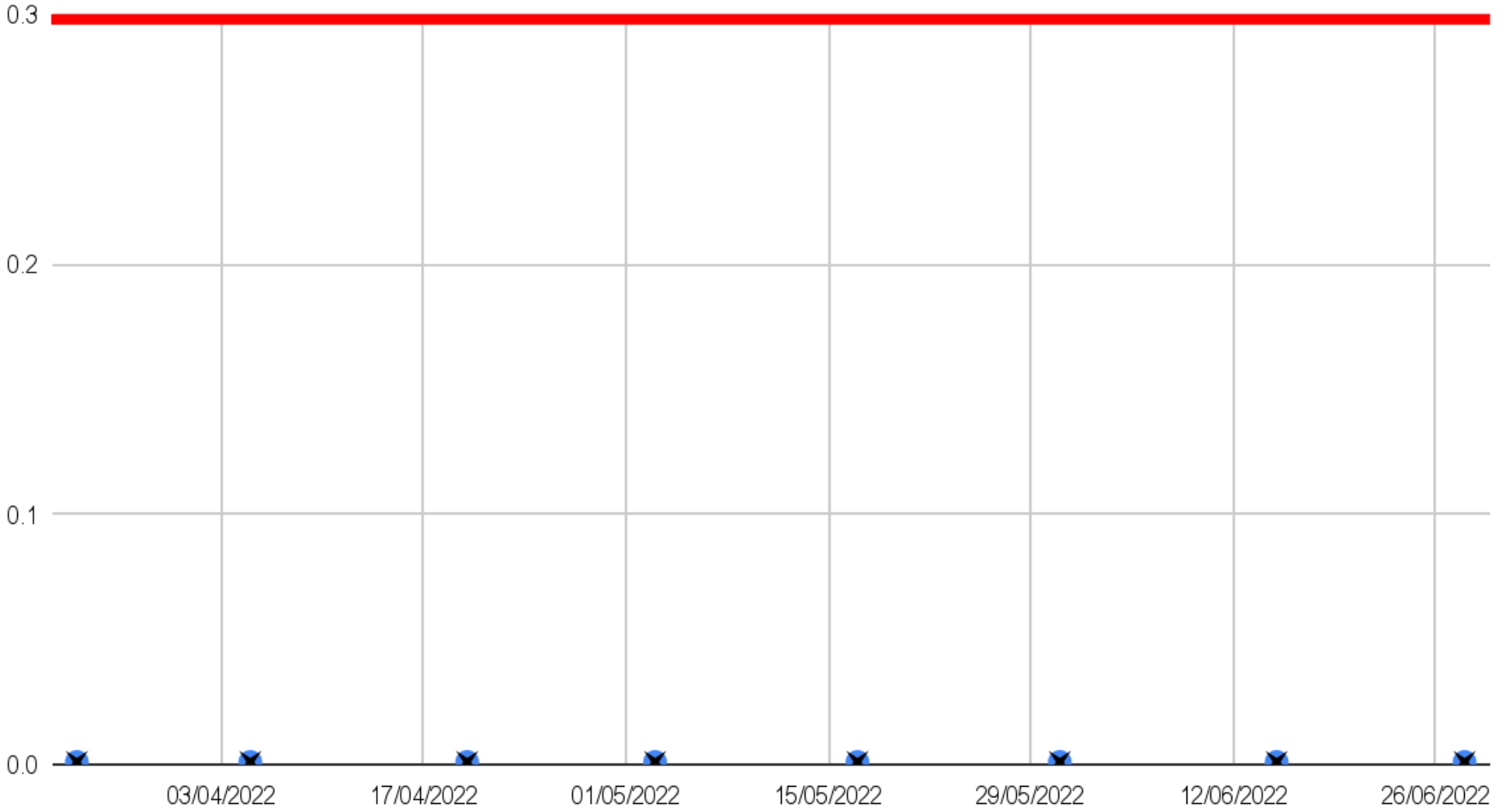


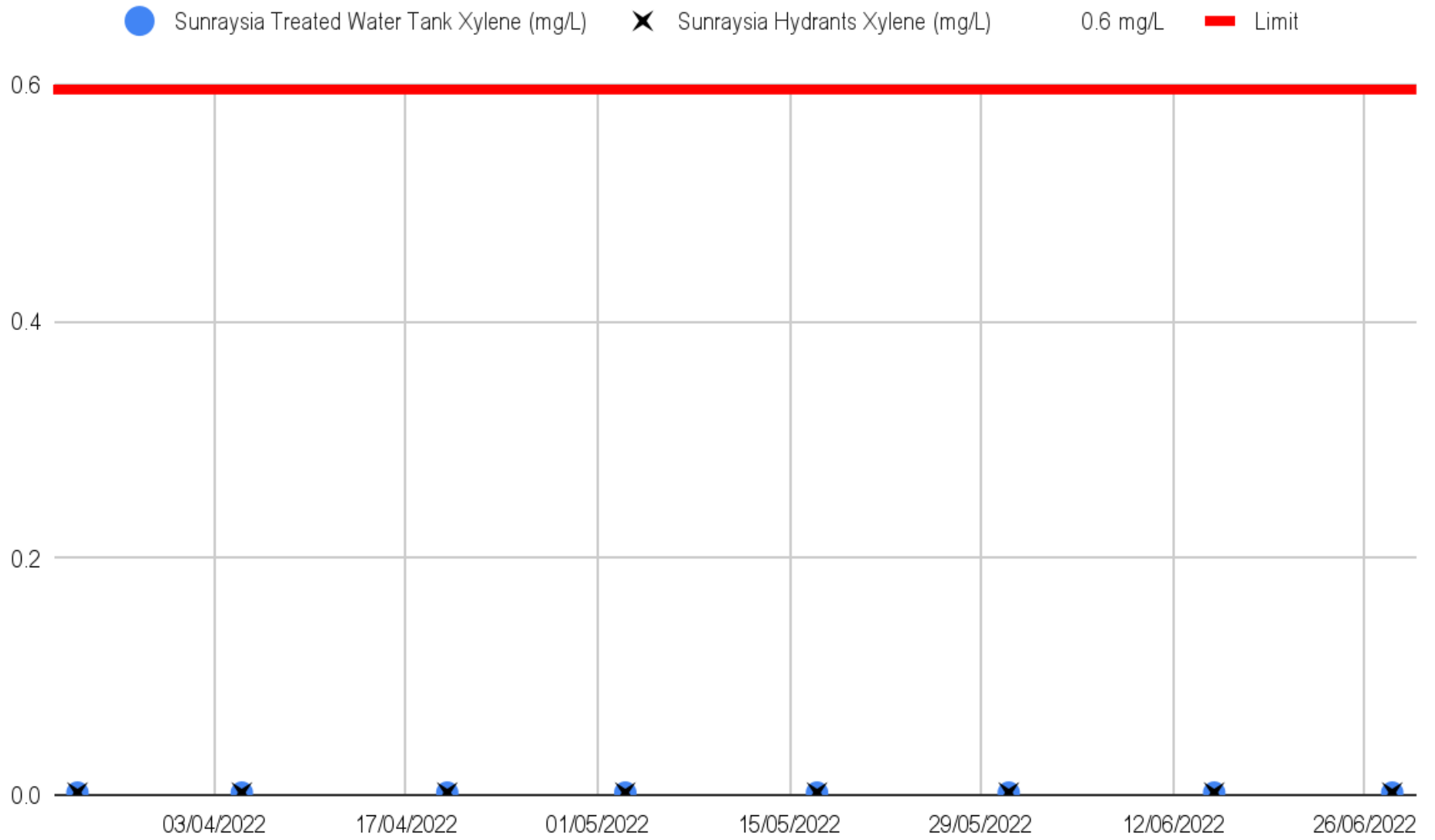
● Sunraysia Treated Water Tank Benzene (mg/L) ✕ Sunraysia Hydrants Benzene (mg/L) 0.001 mg/L ■ Limit

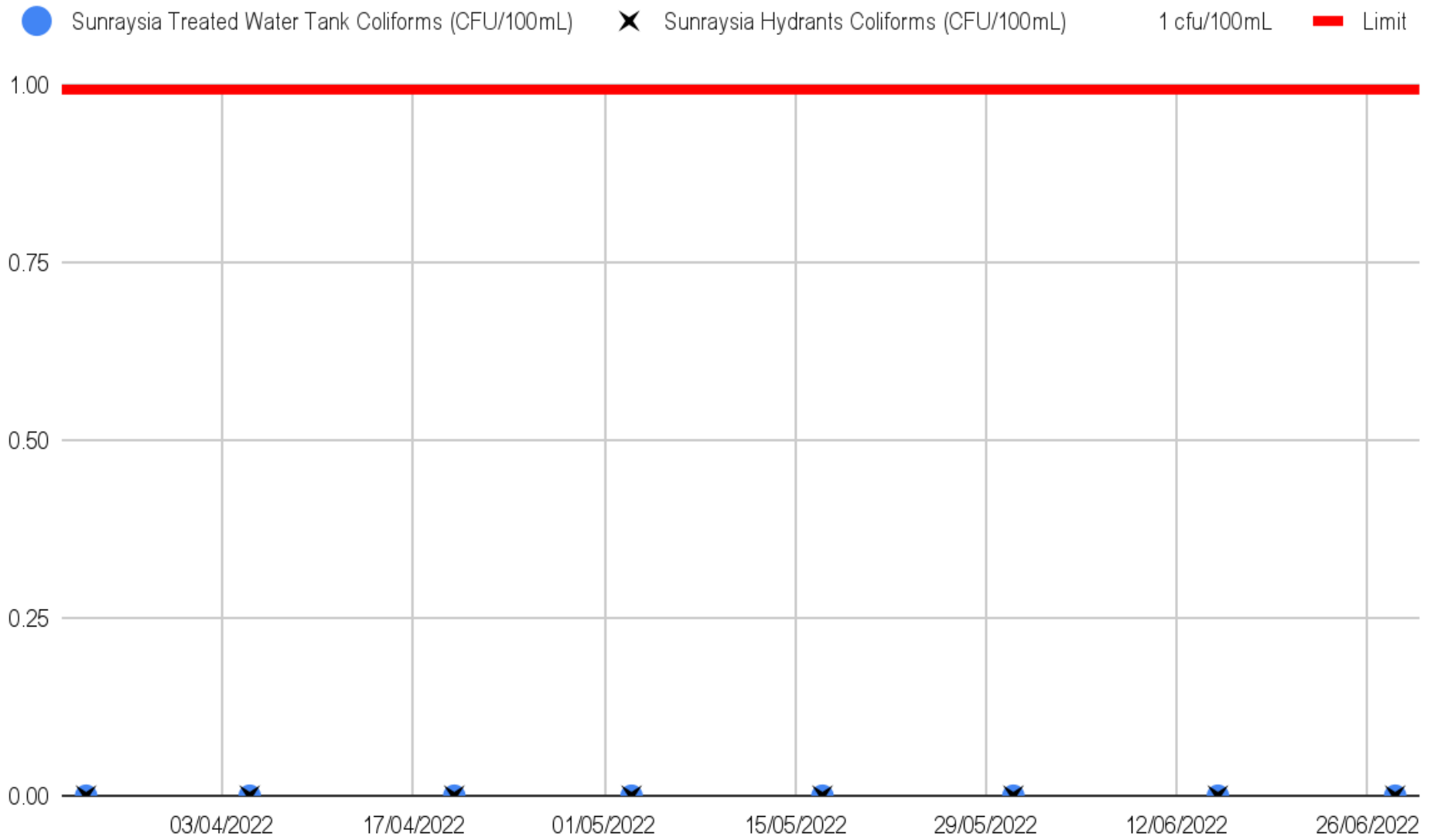




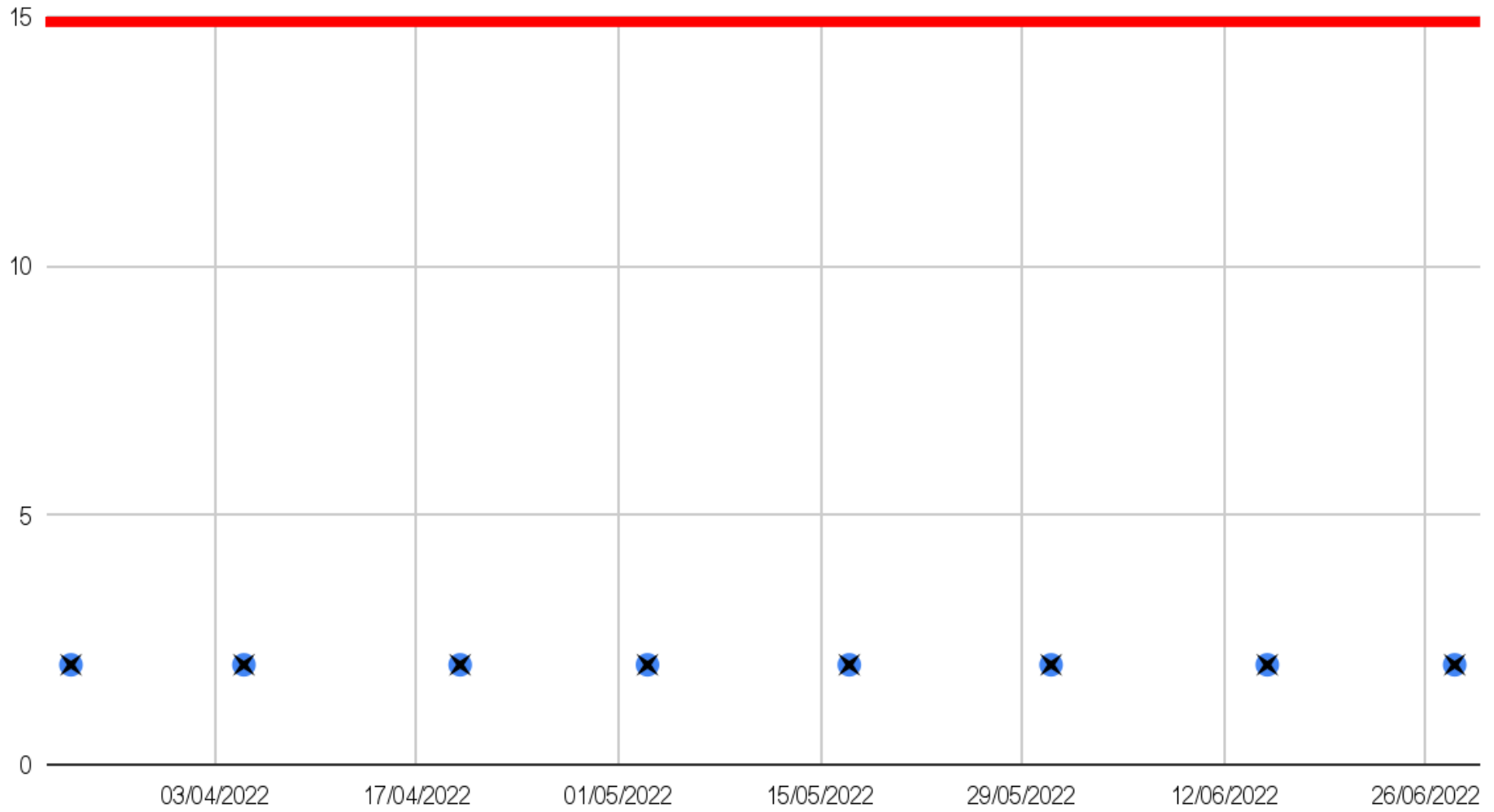
● Sunraysia Treated Water Tank Ethylbenzene (mg/L) ✕ Sunraysia Hydrants Ethylbenzene (mg/L) 0.3 mg/L — Limit

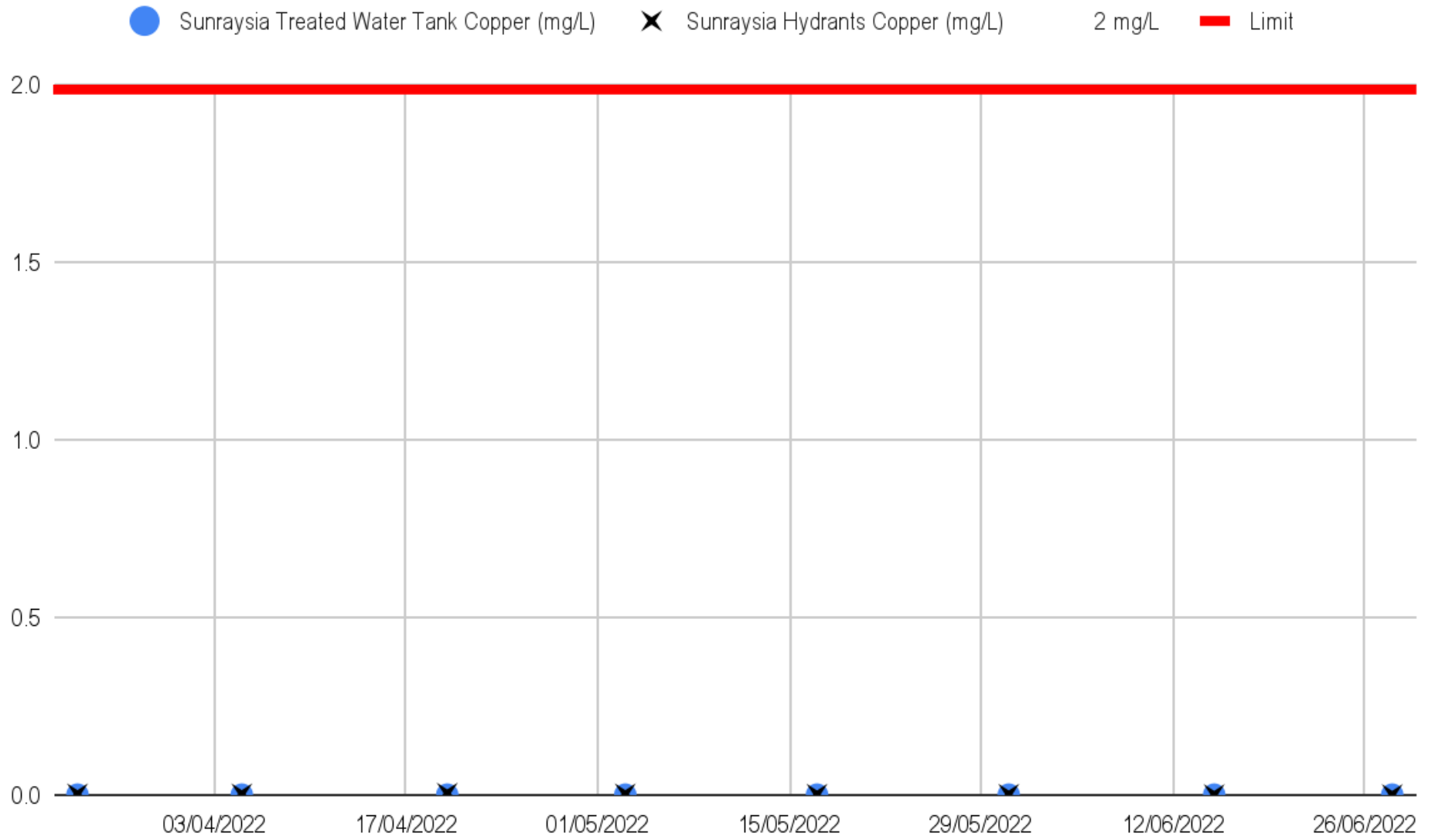




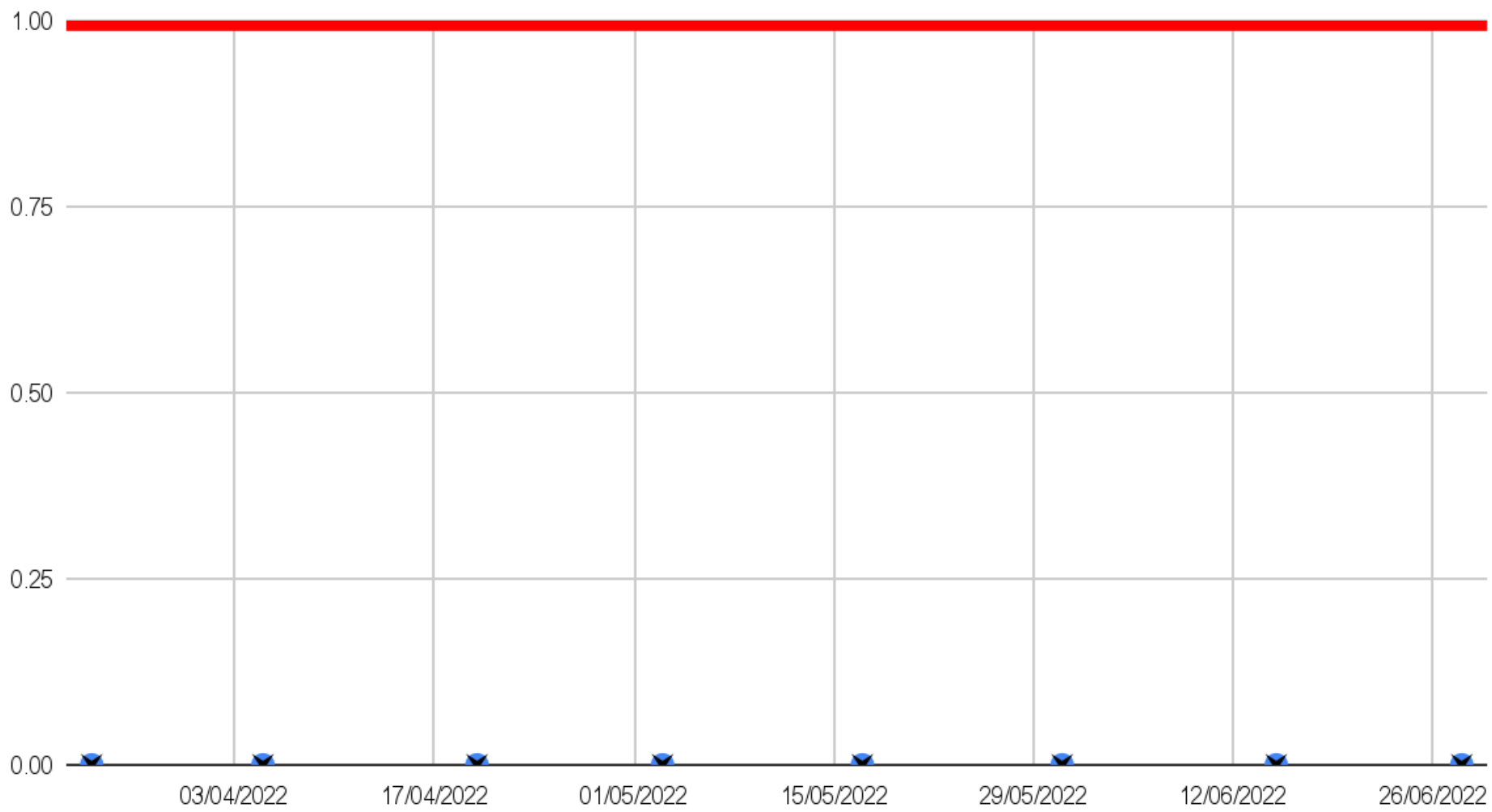


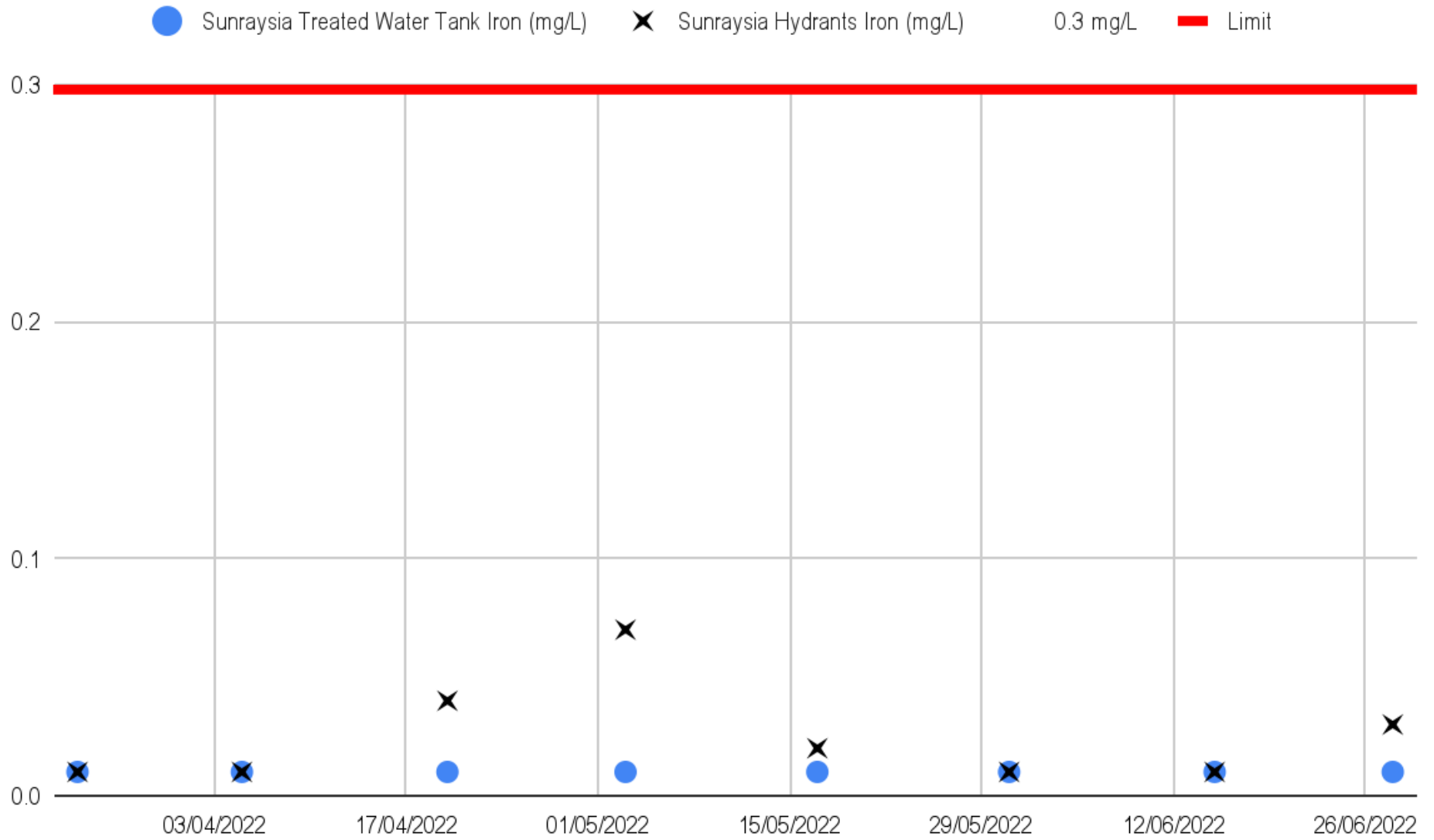
● Sunraysia Treated Water Tank Colour (Pt/Co) ✕ Sunraysia Hydrants Colour (Pt/Co) 15 Pt/Co — Limit



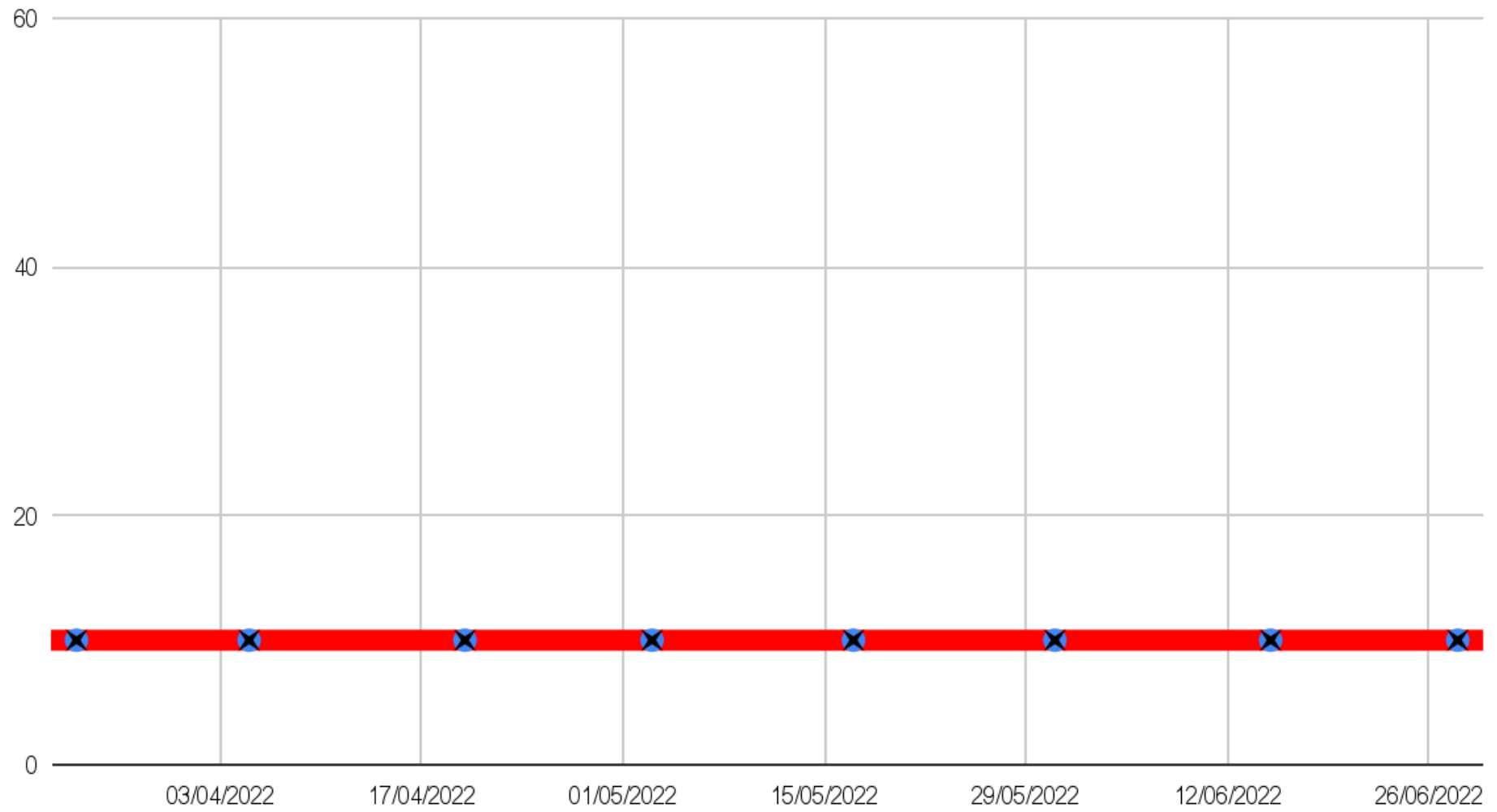


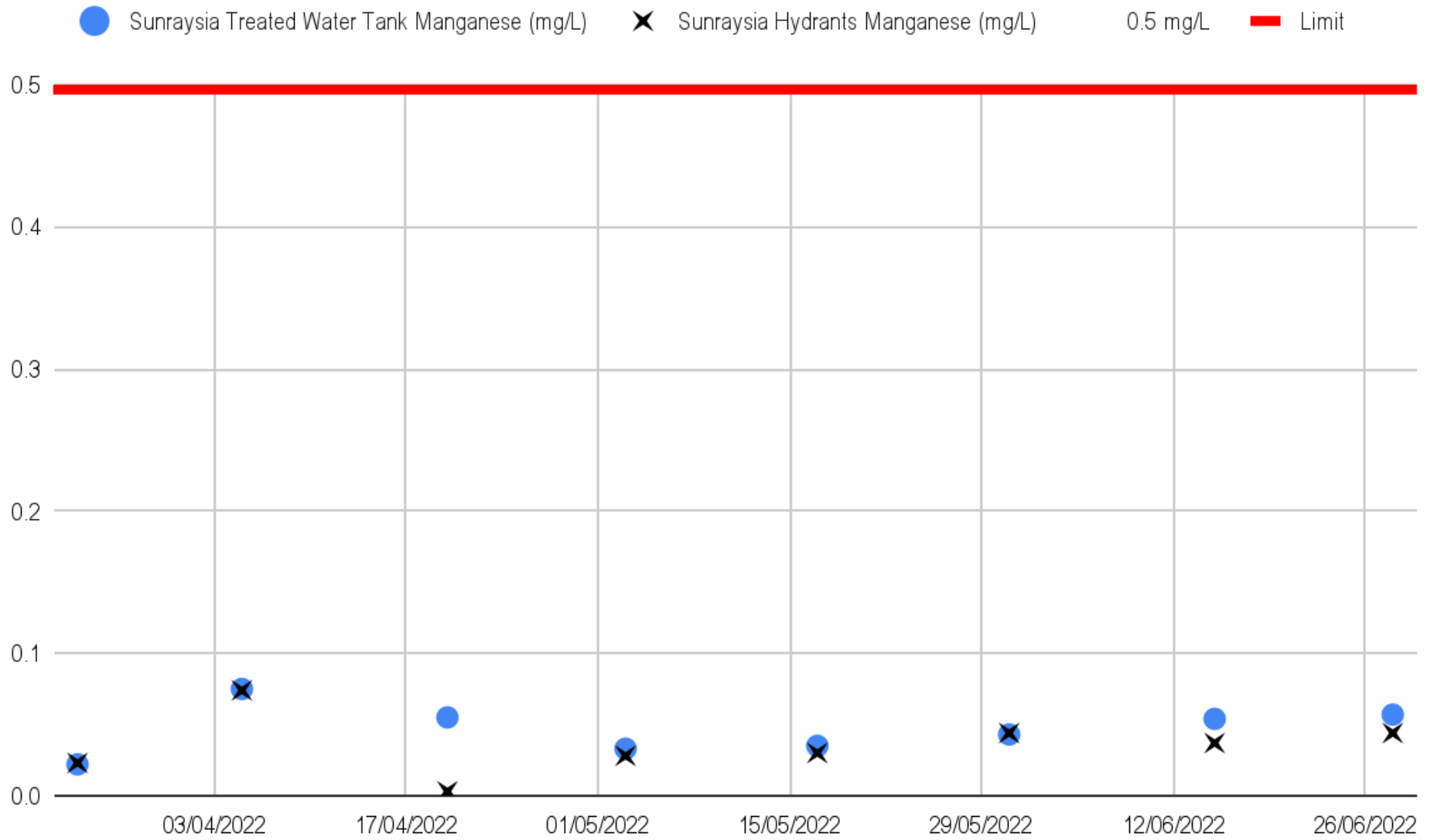
● Sunraysia Treated Water Tank E.coli (CFU/100mL) ✕ Sunraysia Hydrants E.coli (CFU/100mL) 1 cfu/100mL — Limit



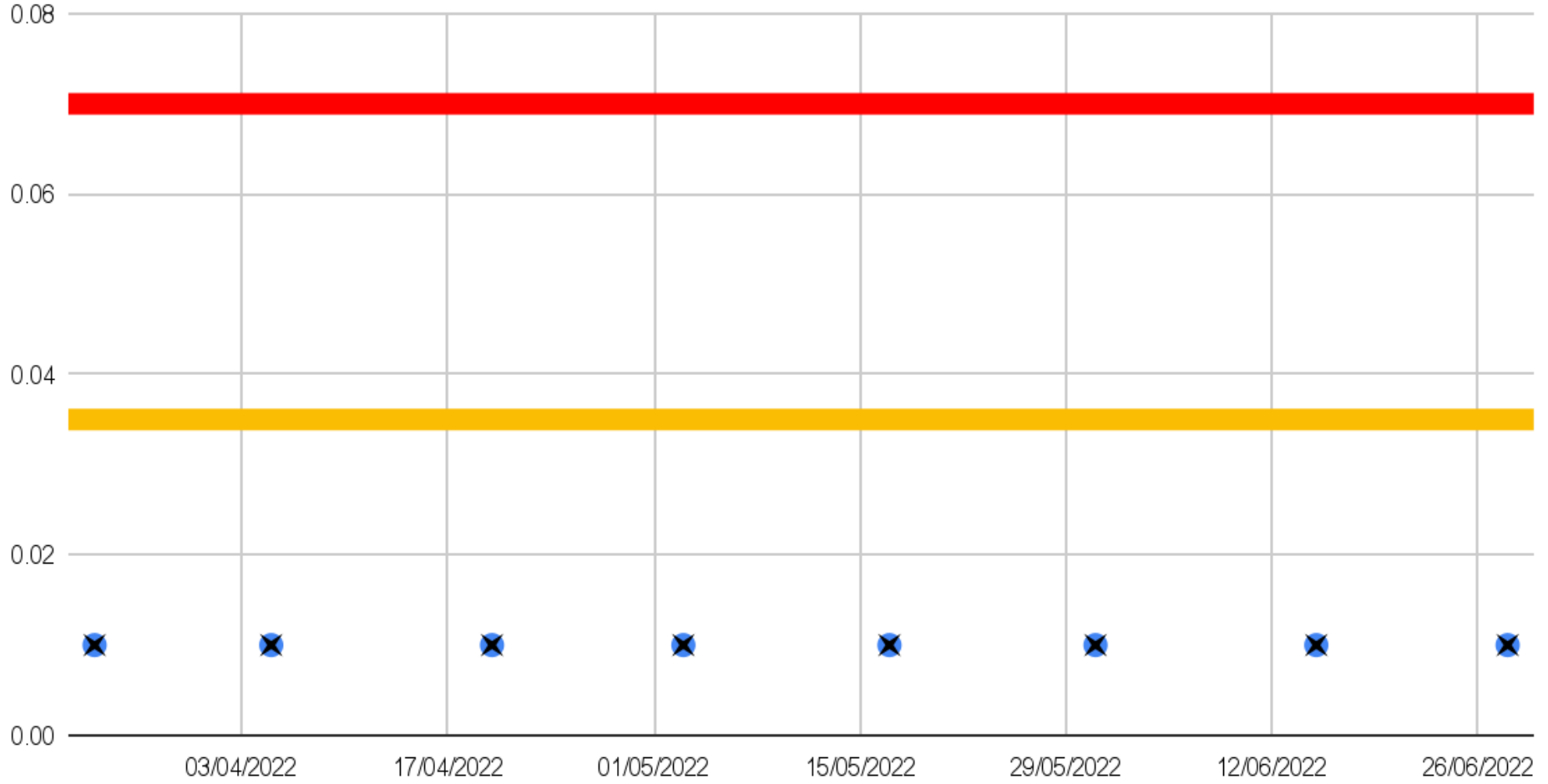


● Sunraysia Treated Water Tank Legionella spp (CFU/mL) ✕ Sunraysia Hydrants Legionella spp (CFU/mL) 10 cfu/mL ■ Limit

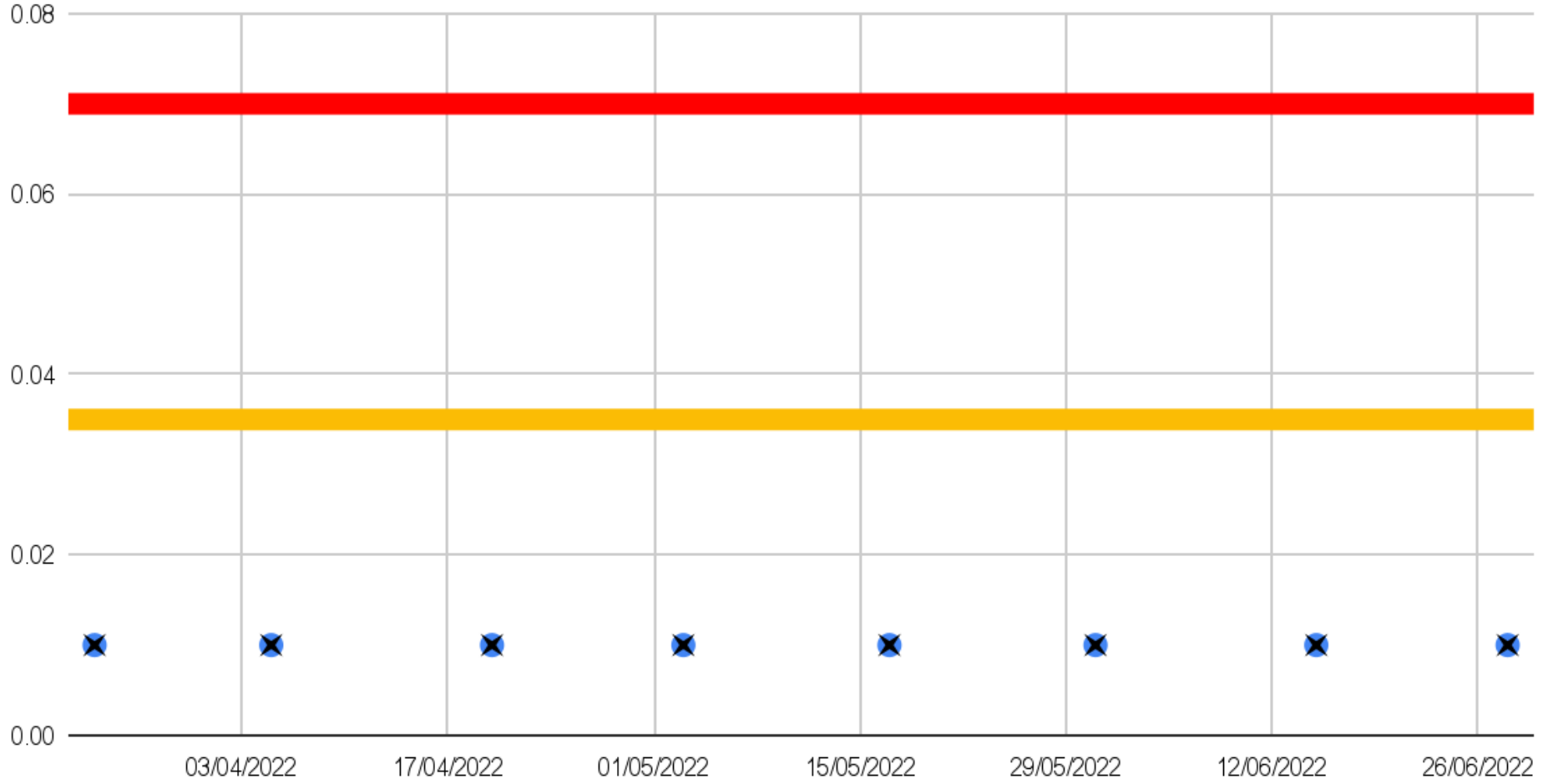




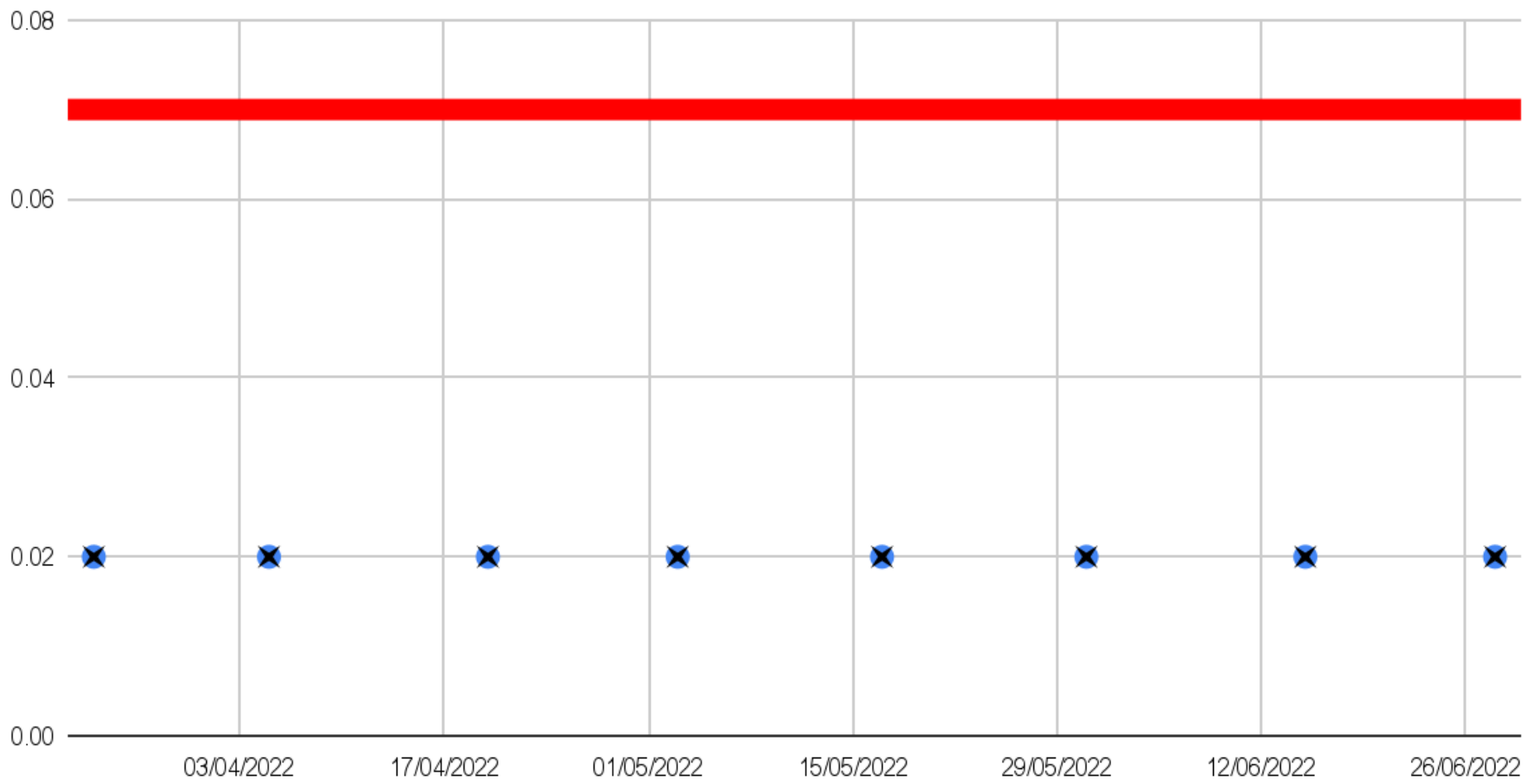
● Sunraysia Treated Water Tank PFOA ($\mu\text{g/L}$) ✕ Sunraysia Hydrants PFOA ($\mu\text{g/L}$) PFOA + PFOS 0.07 $\mu\text{g/L}$ ■ Limit
PFOA 0.035 $\mu\text{g/L}$ ■ Target



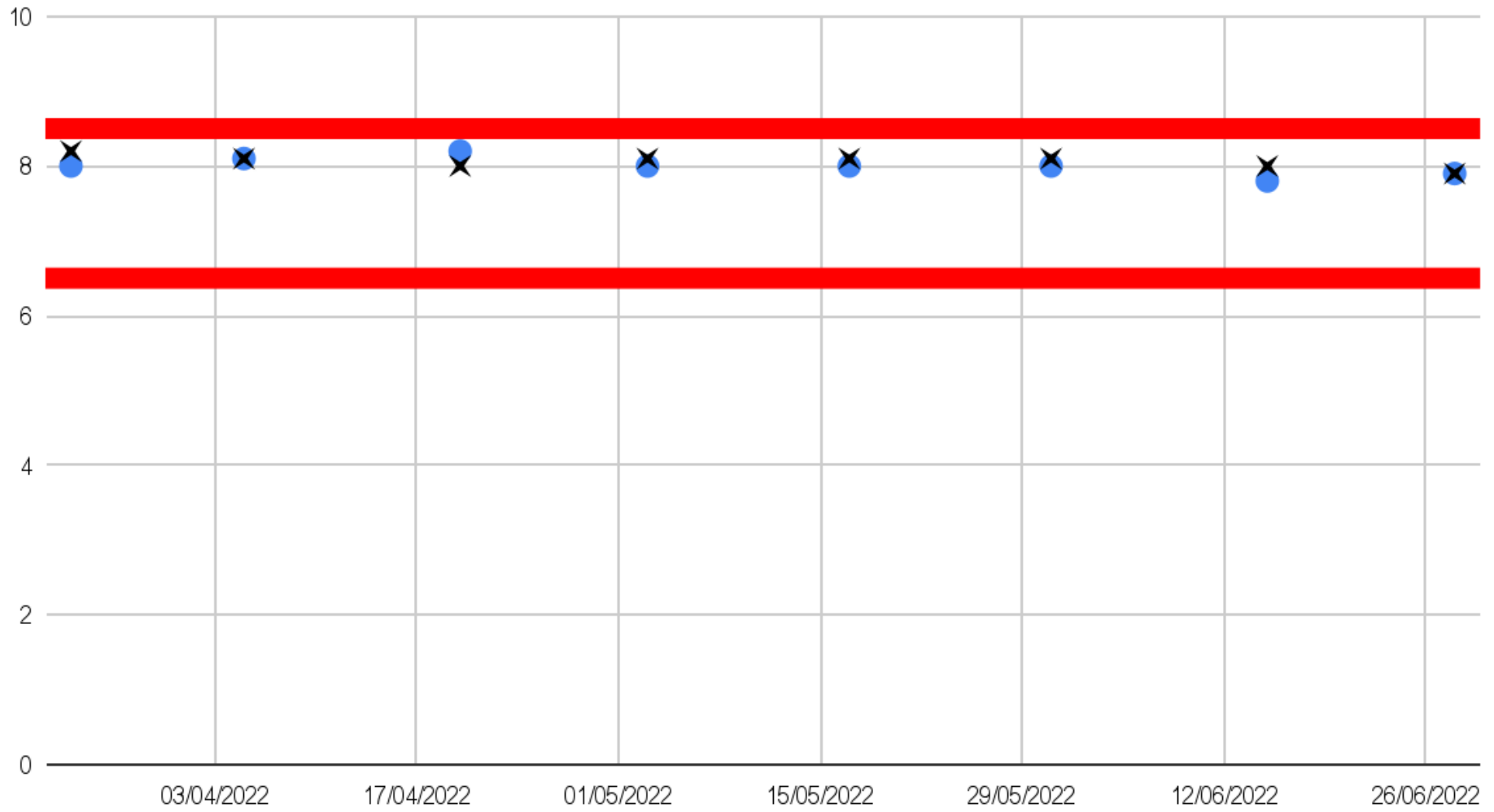
● Sunraysia Treated Water Tank PFOS ($\mu\text{g/L}$) ✕ Sunraysia Hydrants PFOS ($\mu\text{g/L}$) PFOA + PFOS $0.07 \mu\text{g/L}$ ■ Limit
PFOS $0.035 \mu\text{g/L}$ ■ Target

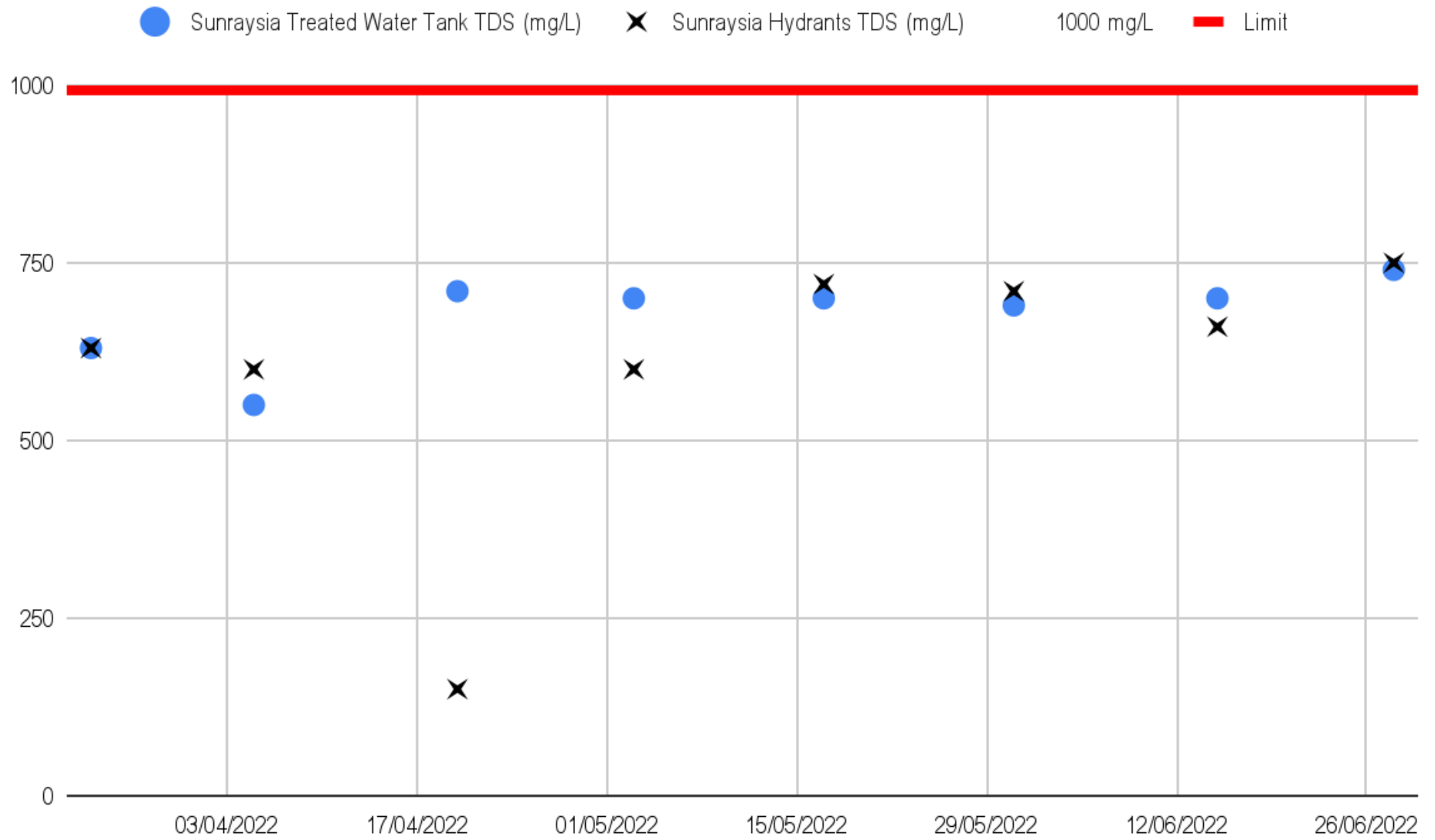


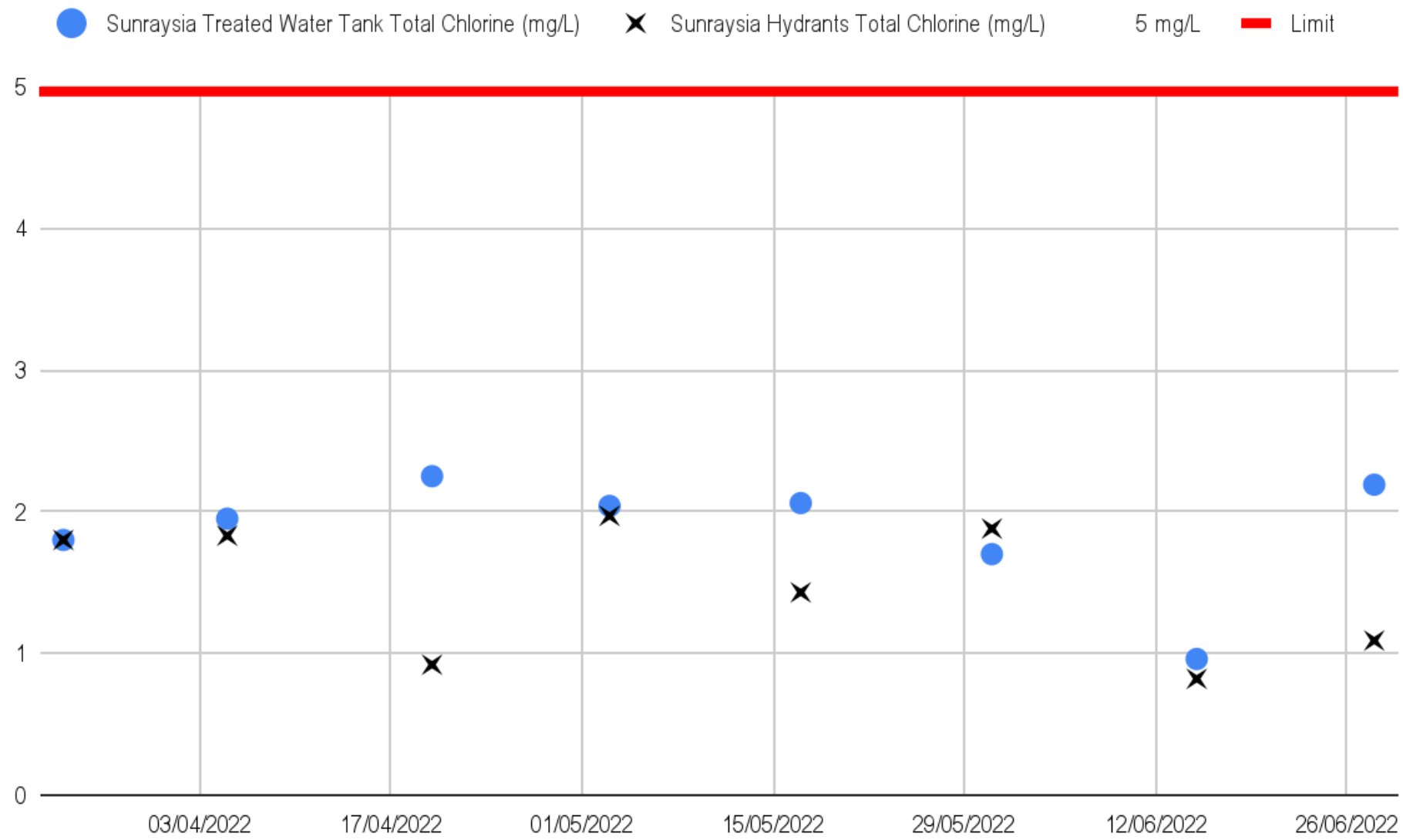
● Sunraysia Treated Water Tank PFHxS ($\mu\text{g/L}$) ✕ Sunraysia Hydrants PFHxS ($\mu\text{g/L}$) PFOS + PFHxS $\mu\text{g/L}$ — Limit



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







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

