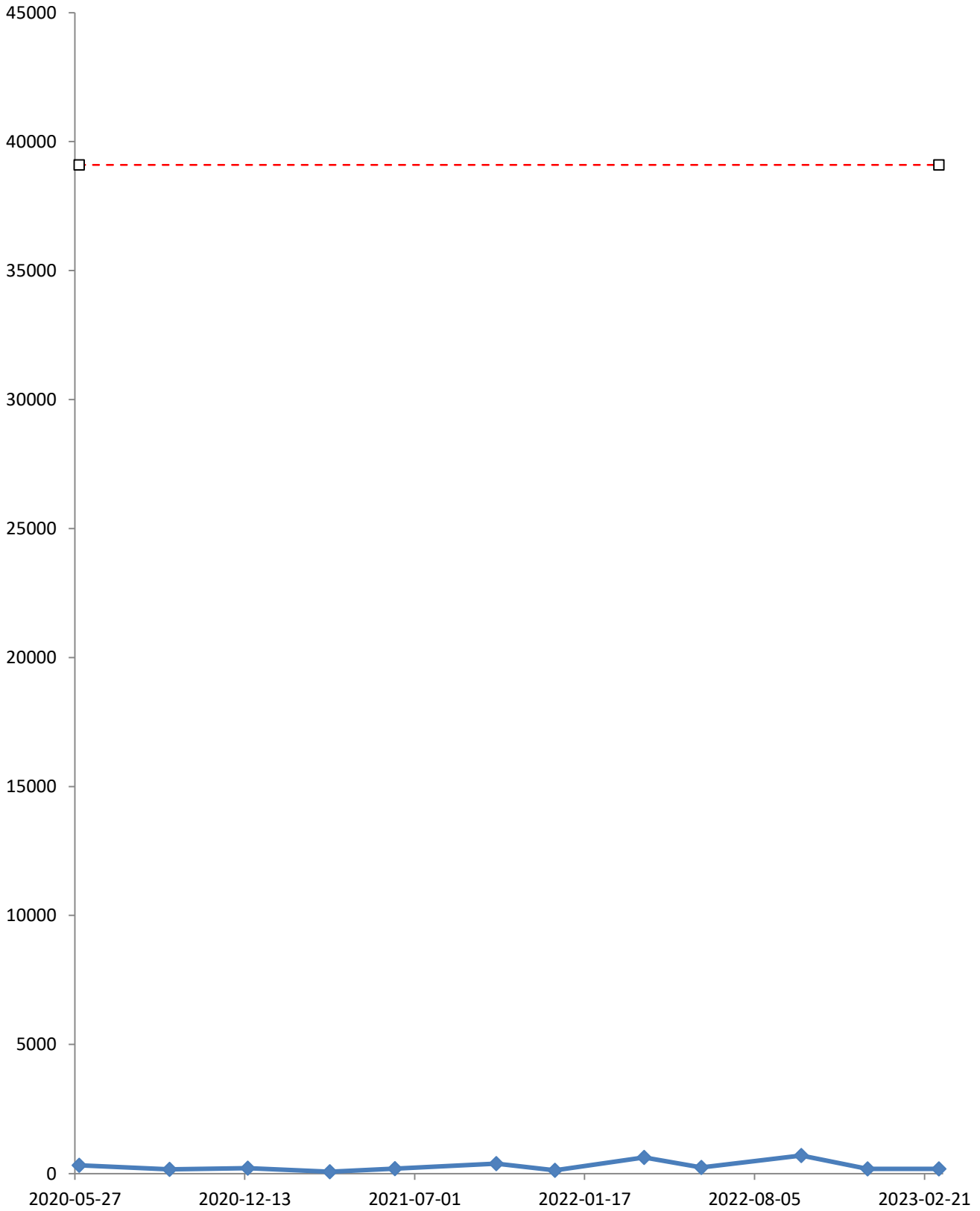
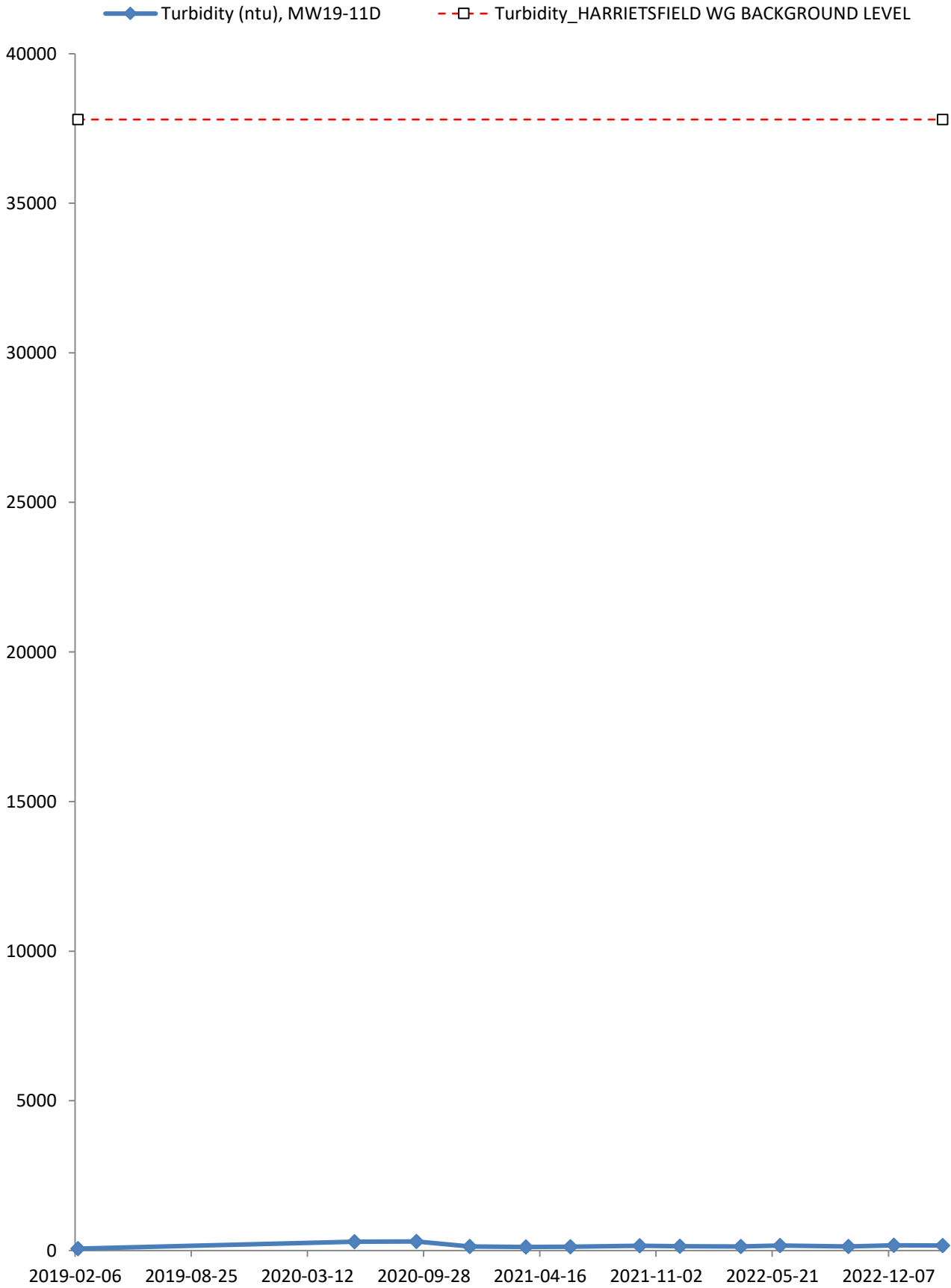
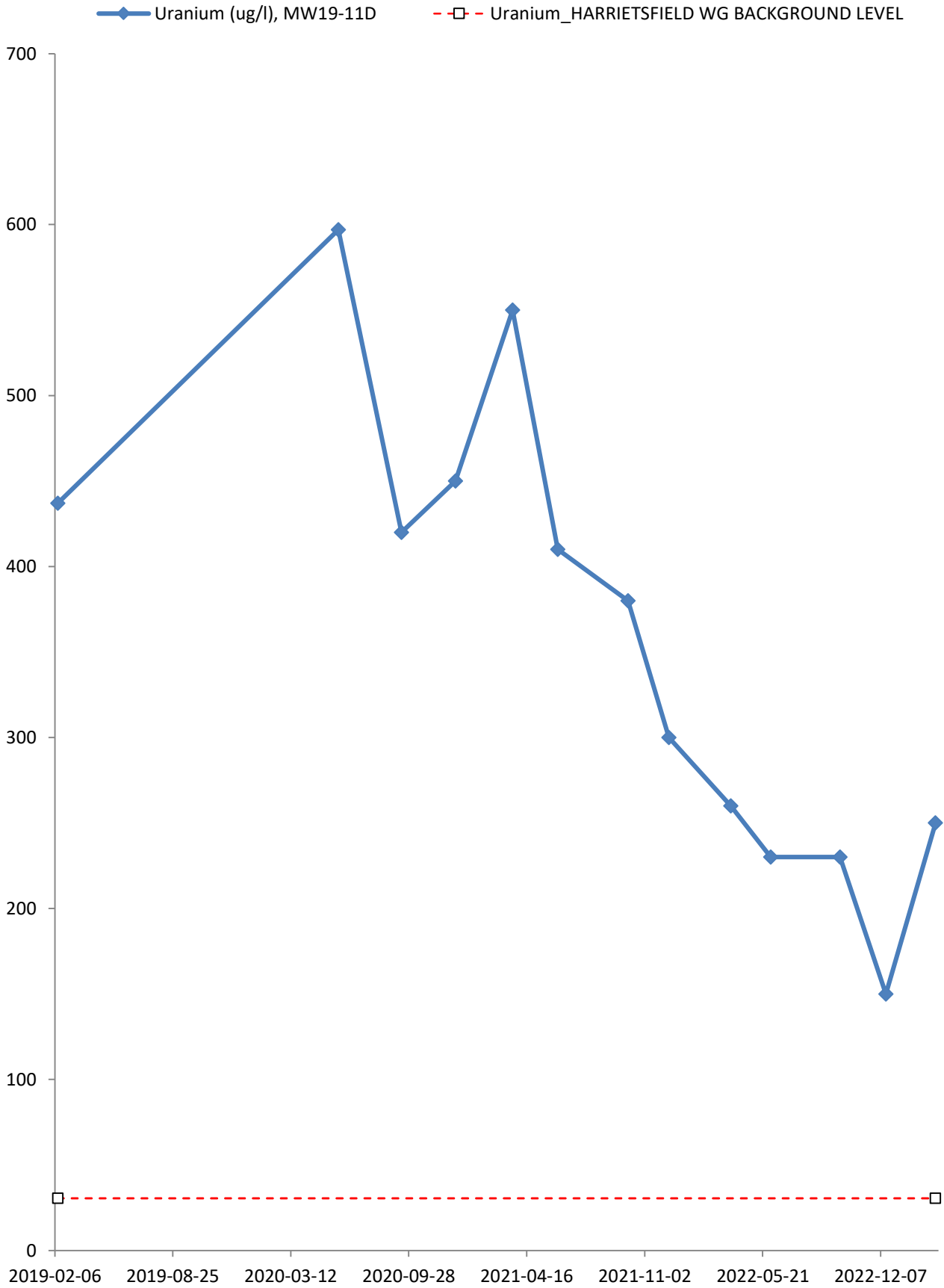
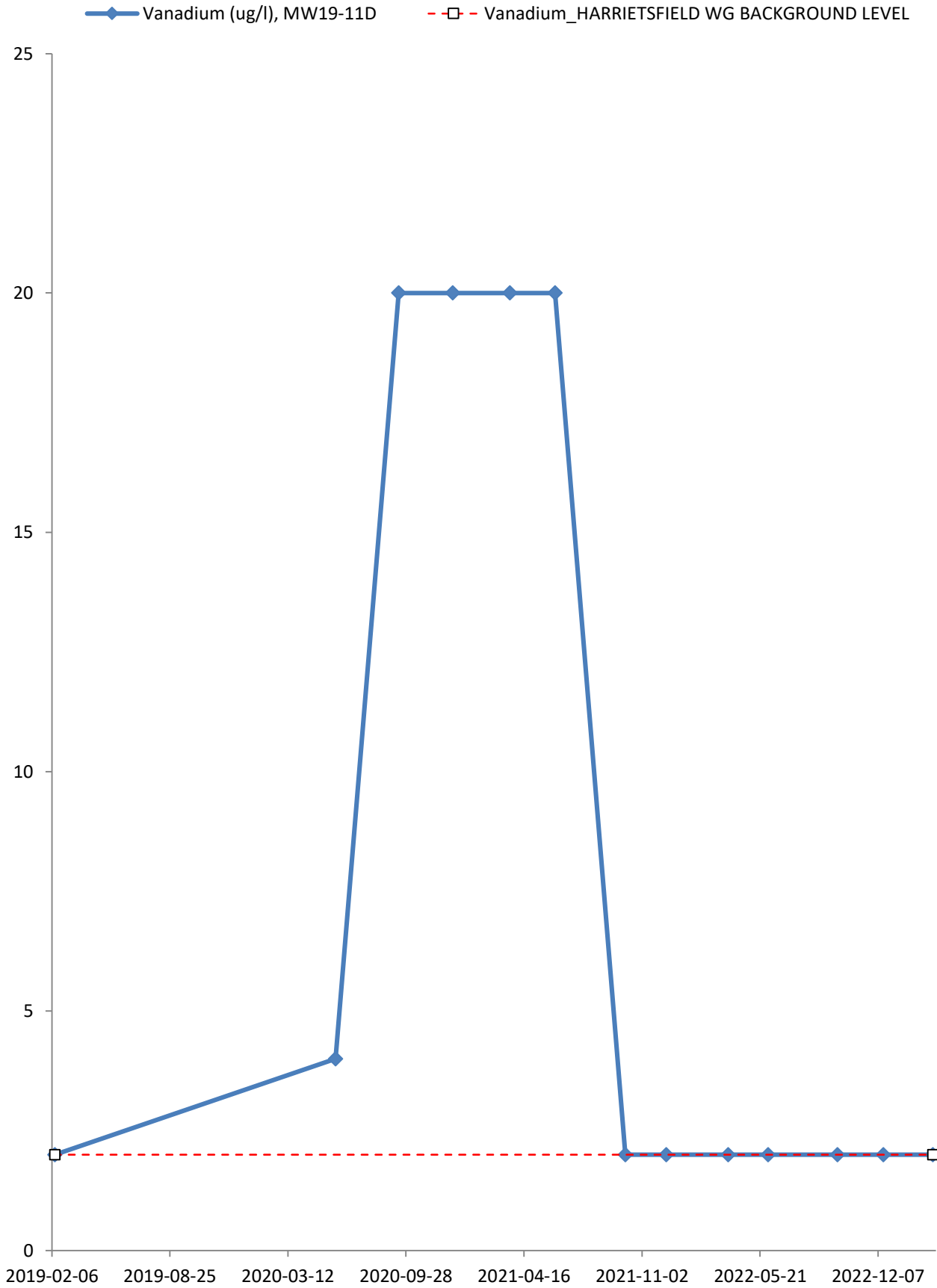


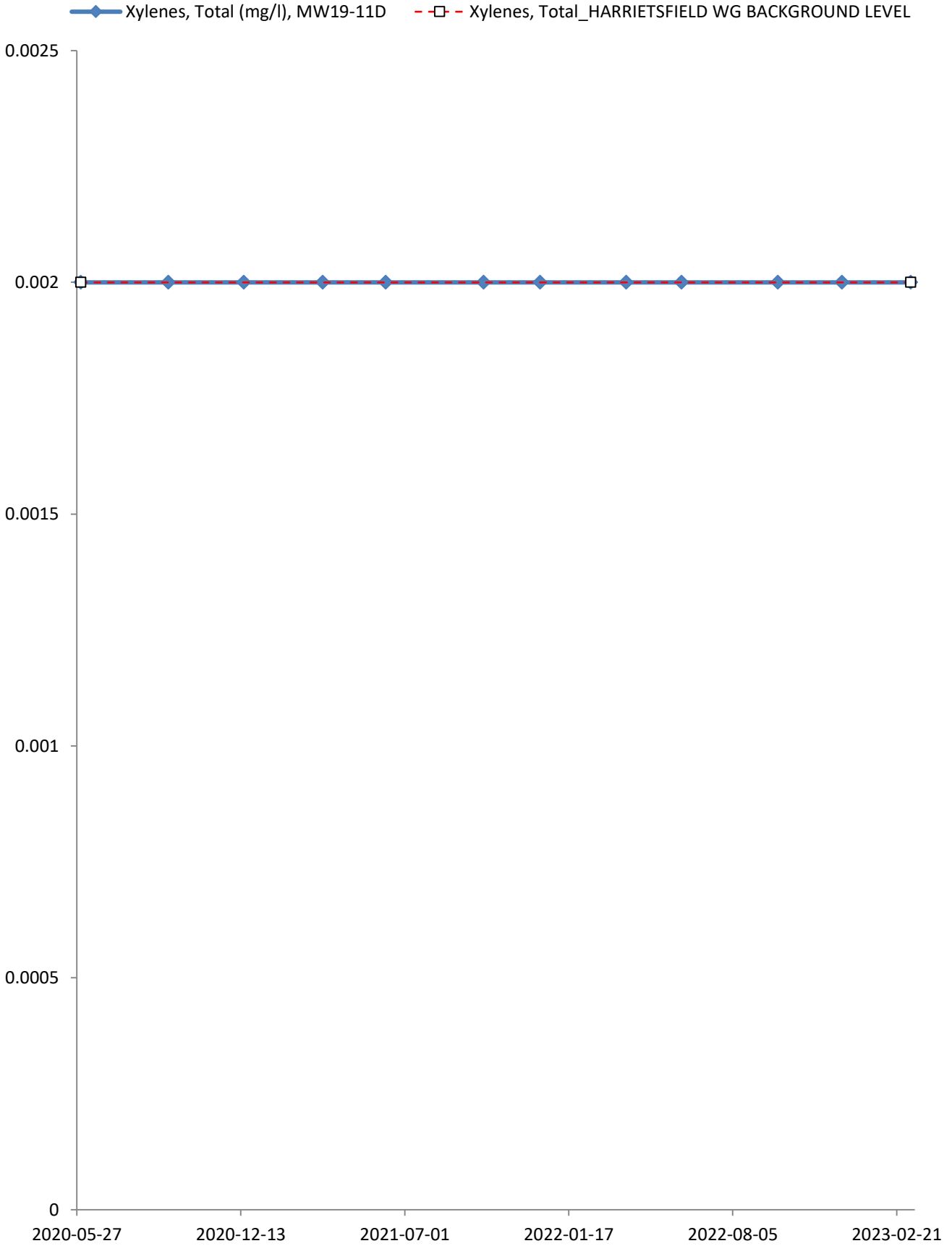
—◆— Total Suspended Solids (mg/l), MW19-11D
- -□- - Total Suspended Solids_HARRIETSFIELD WG BACKGROUND LEVEL

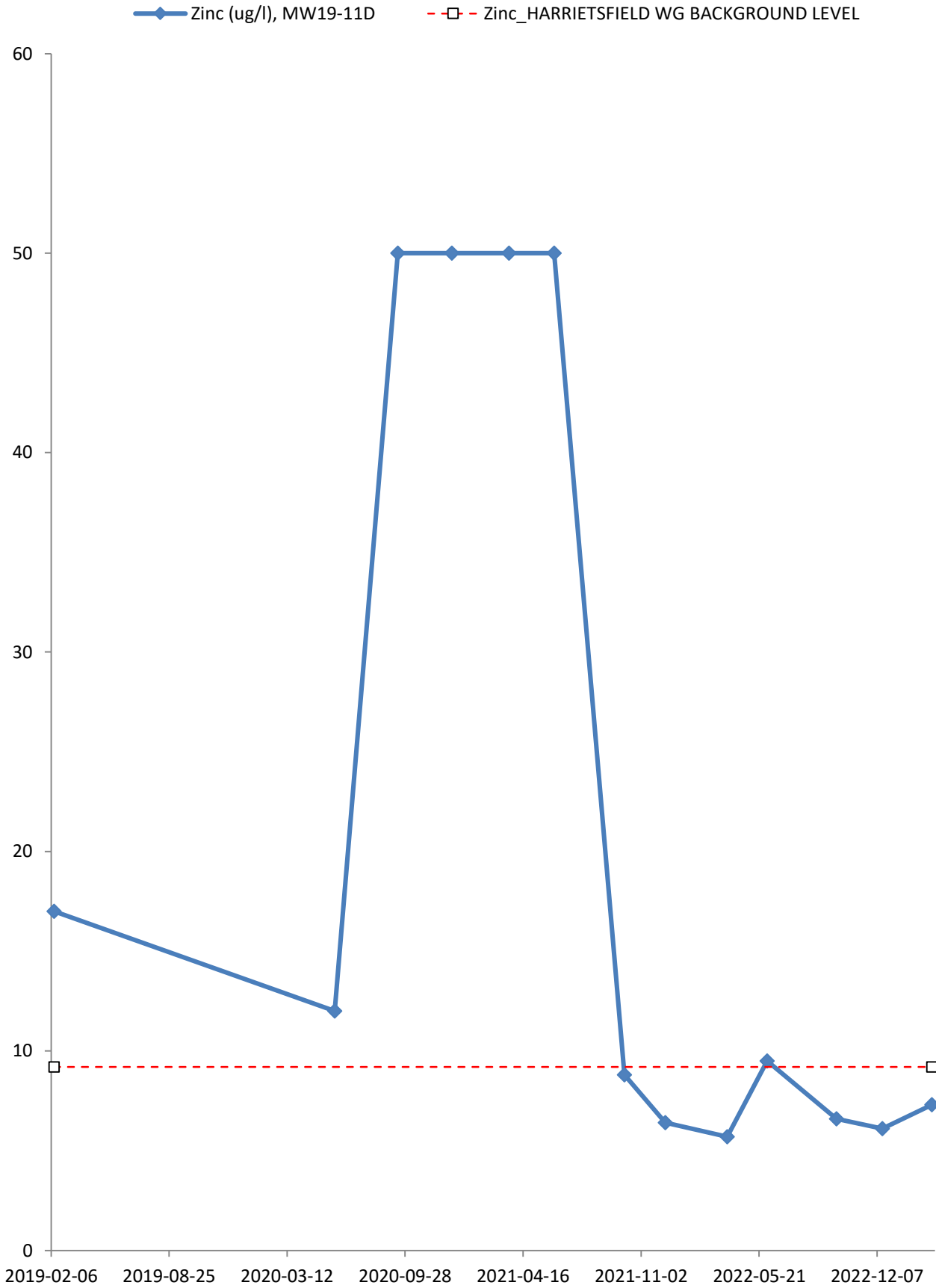


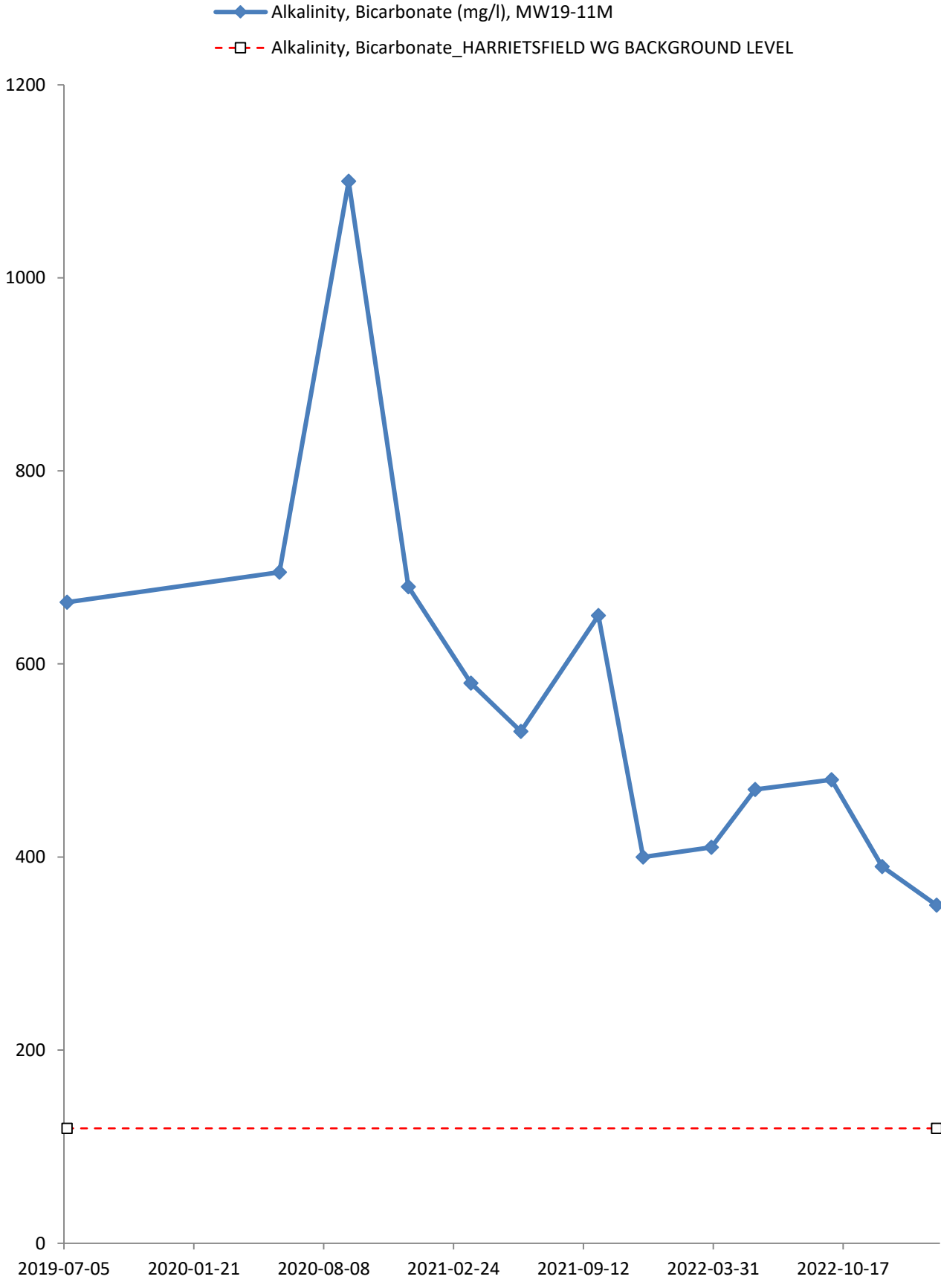


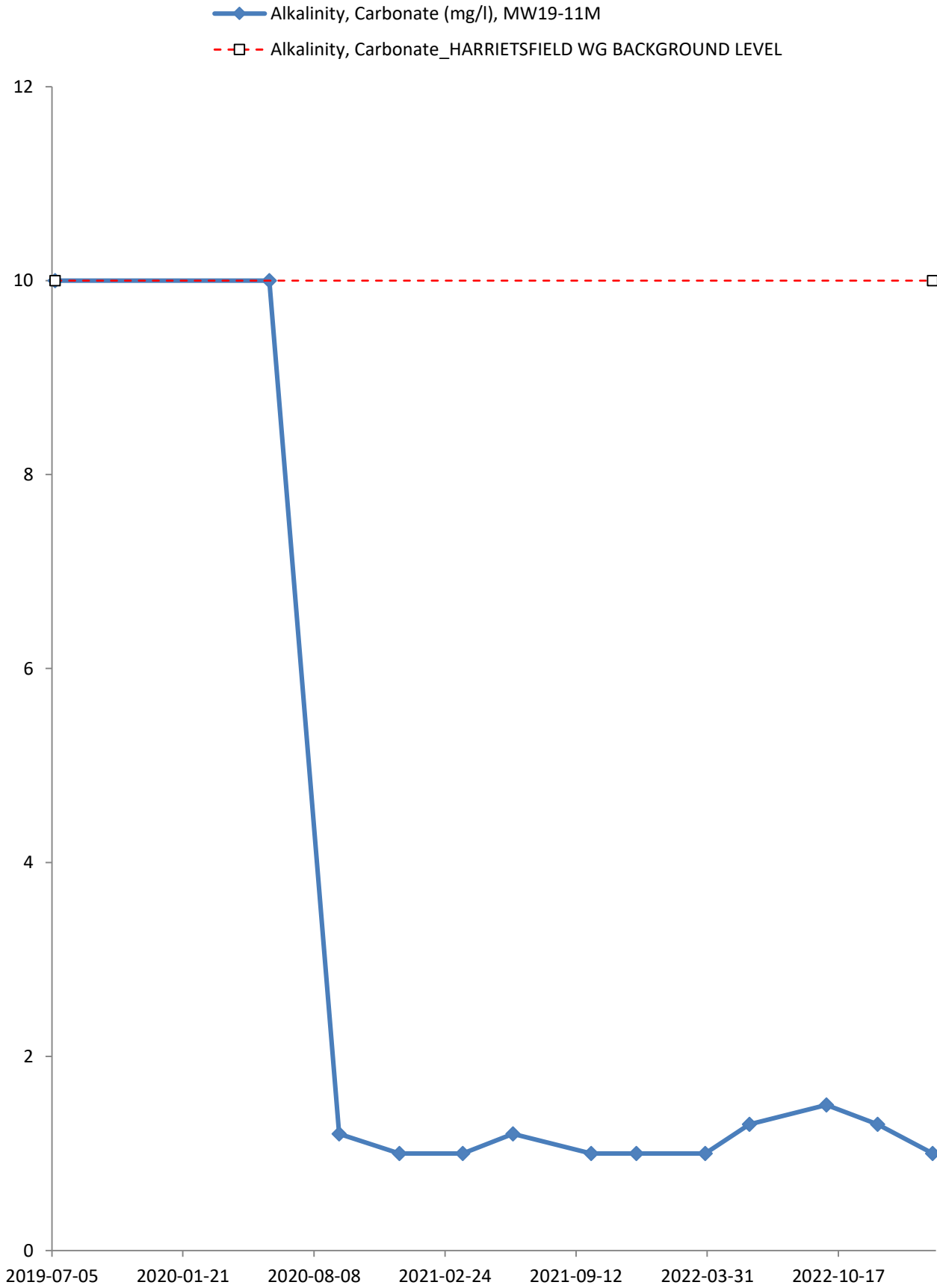


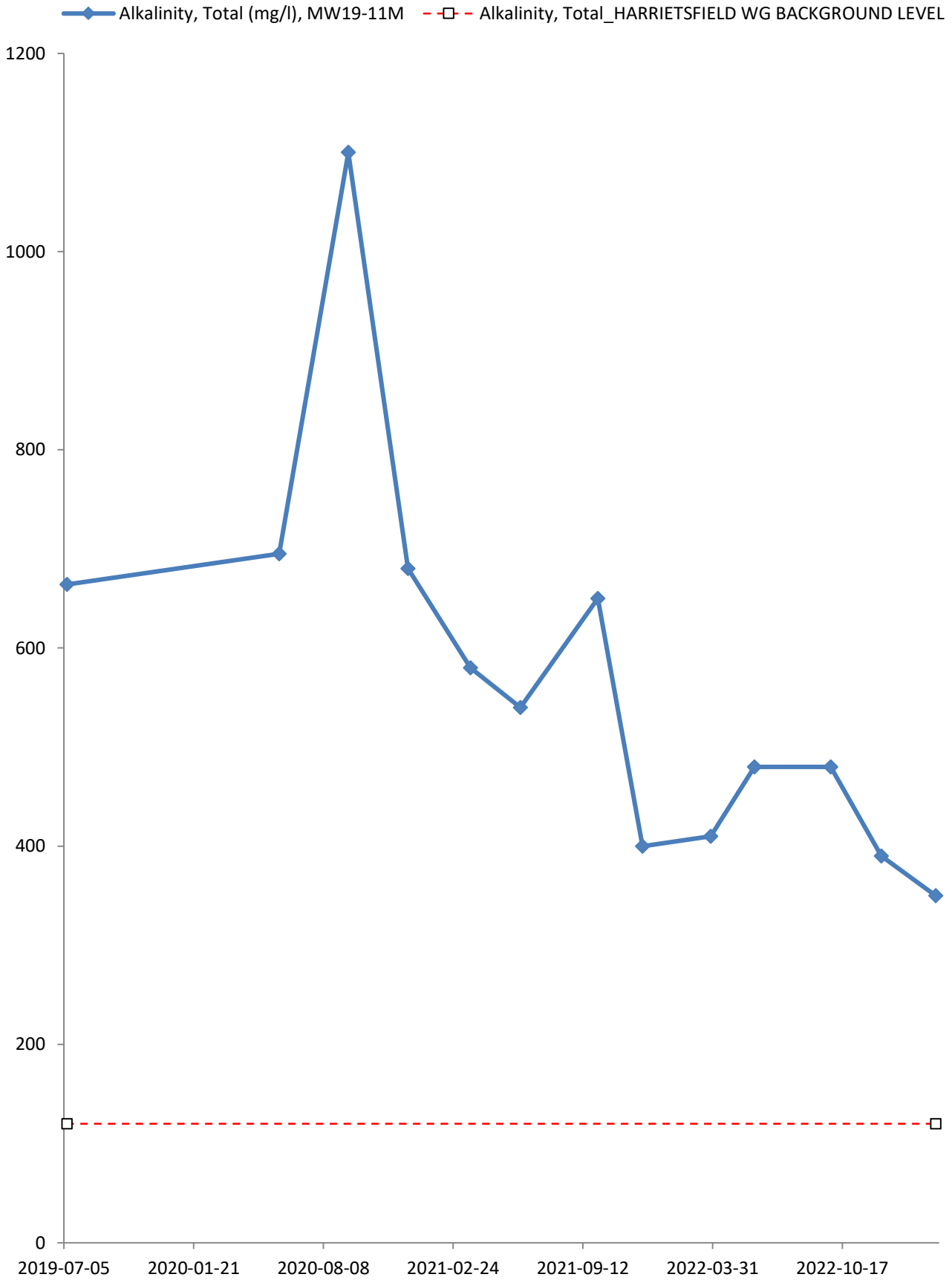


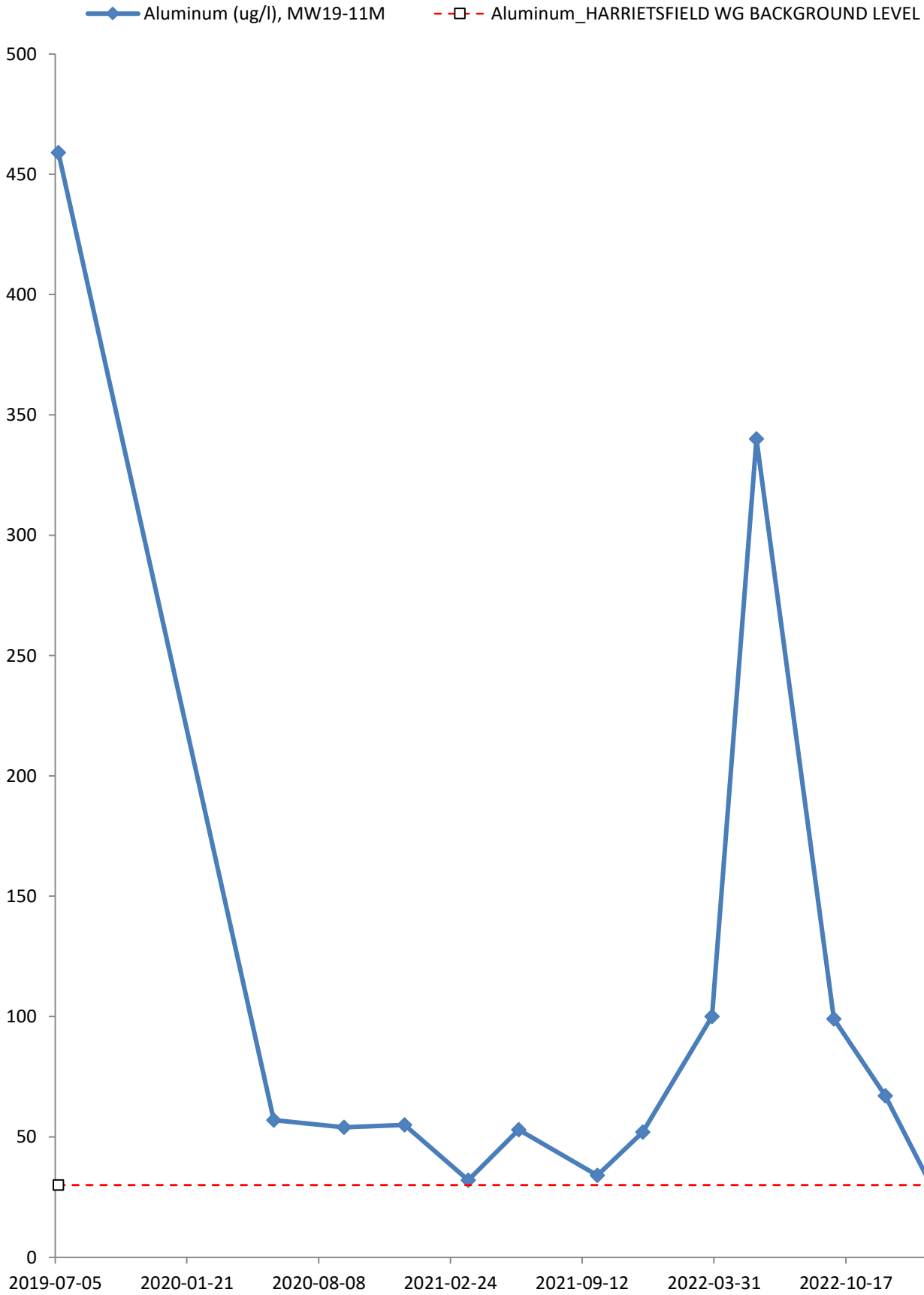


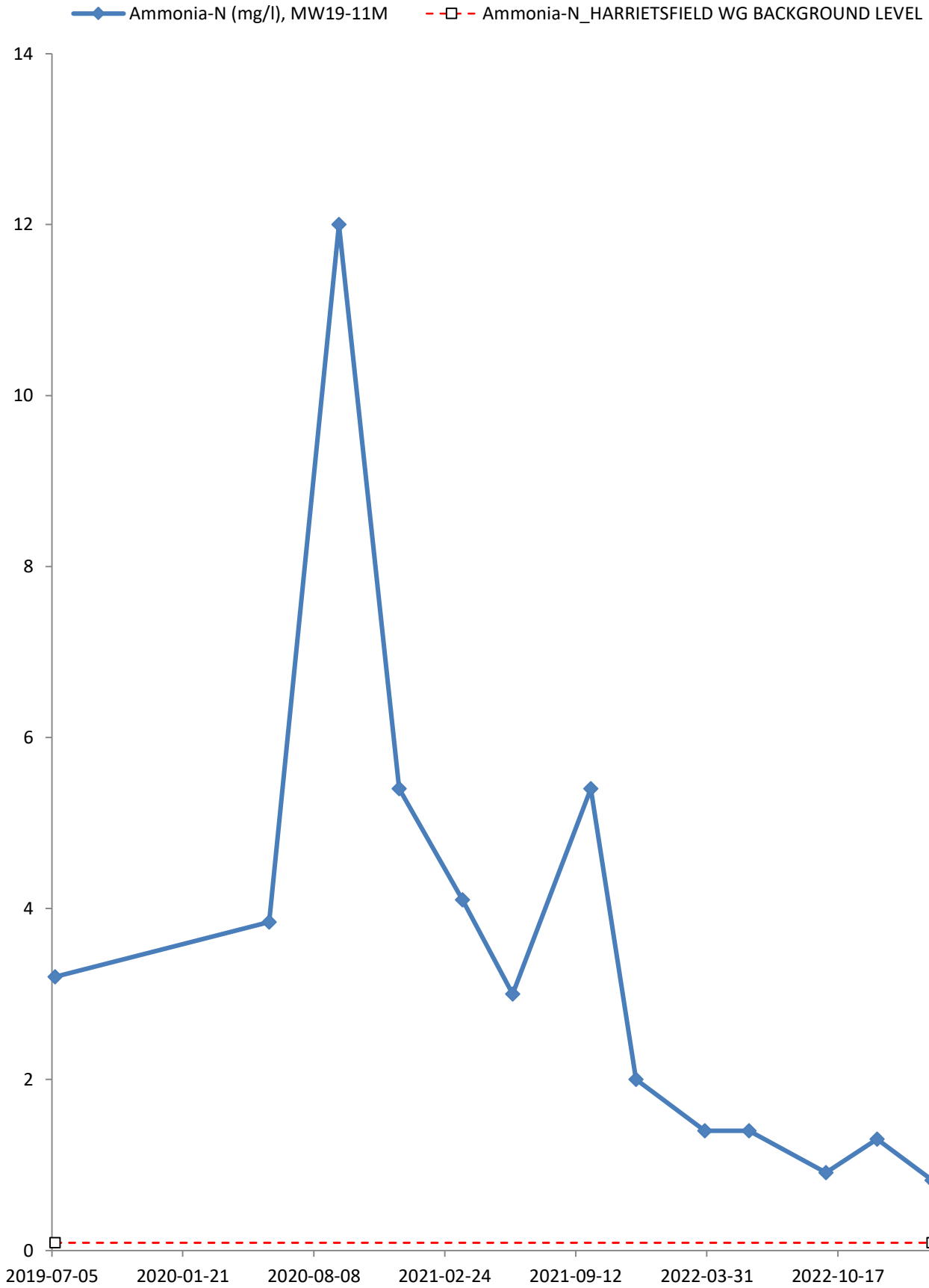


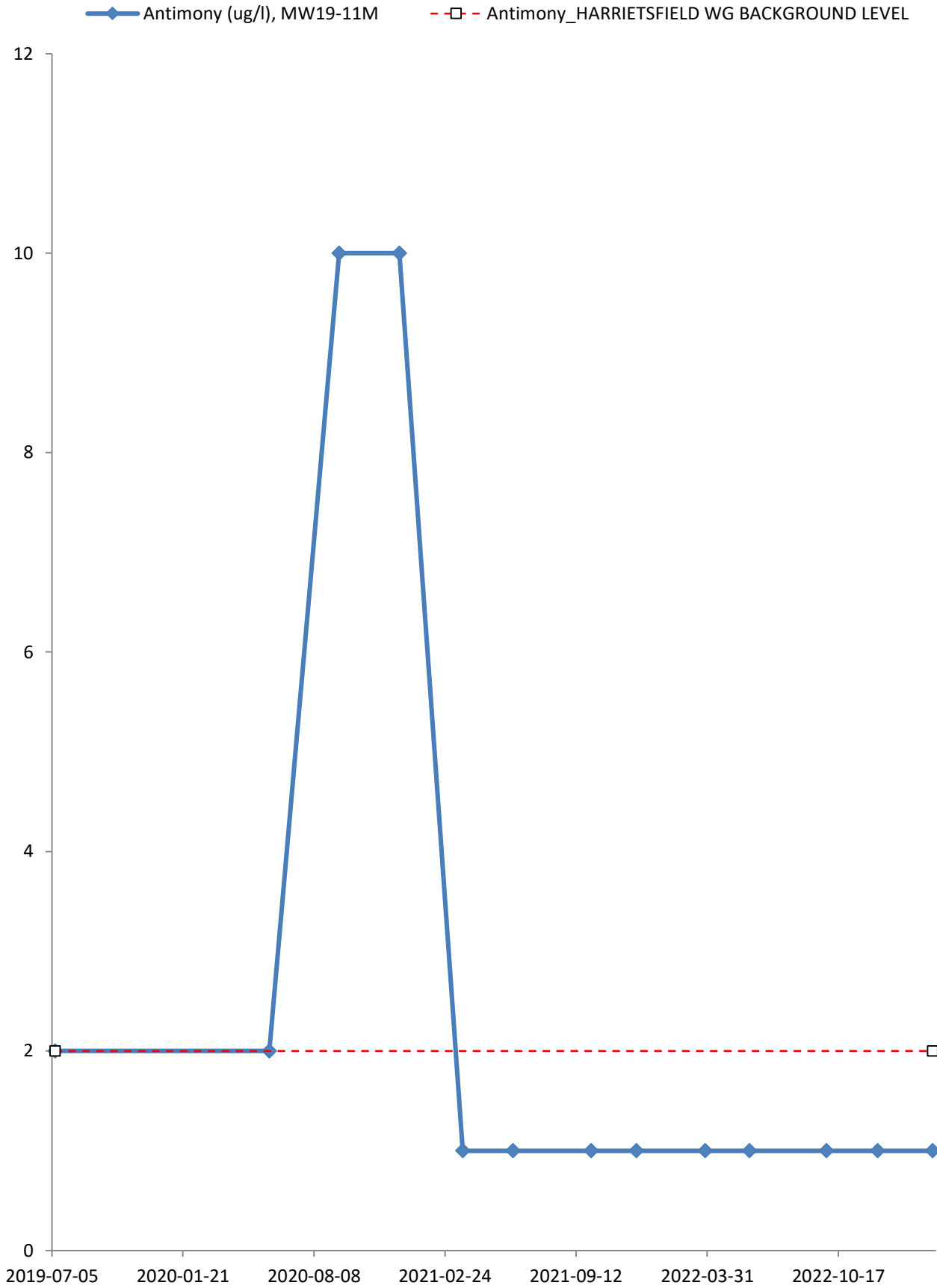


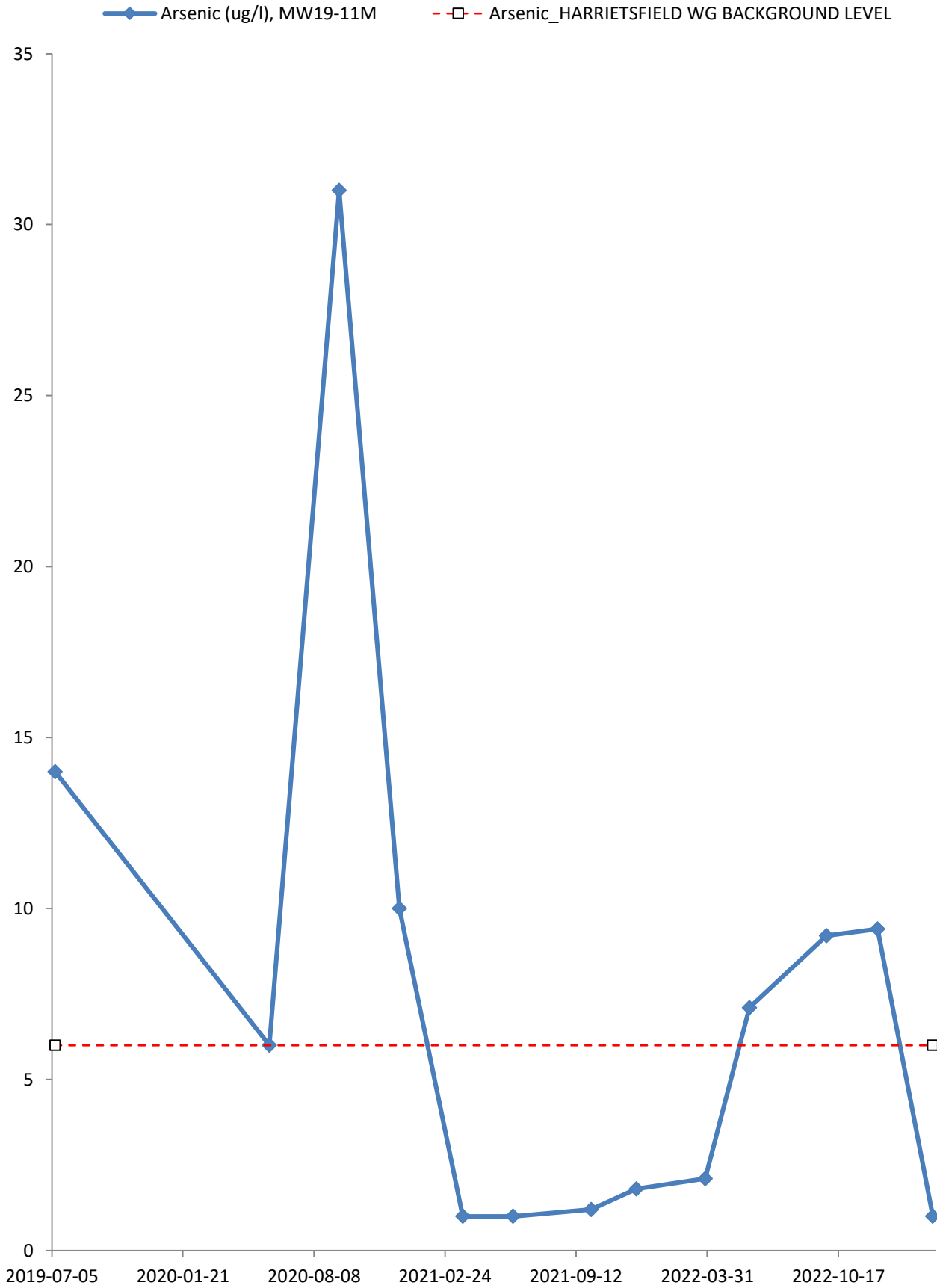


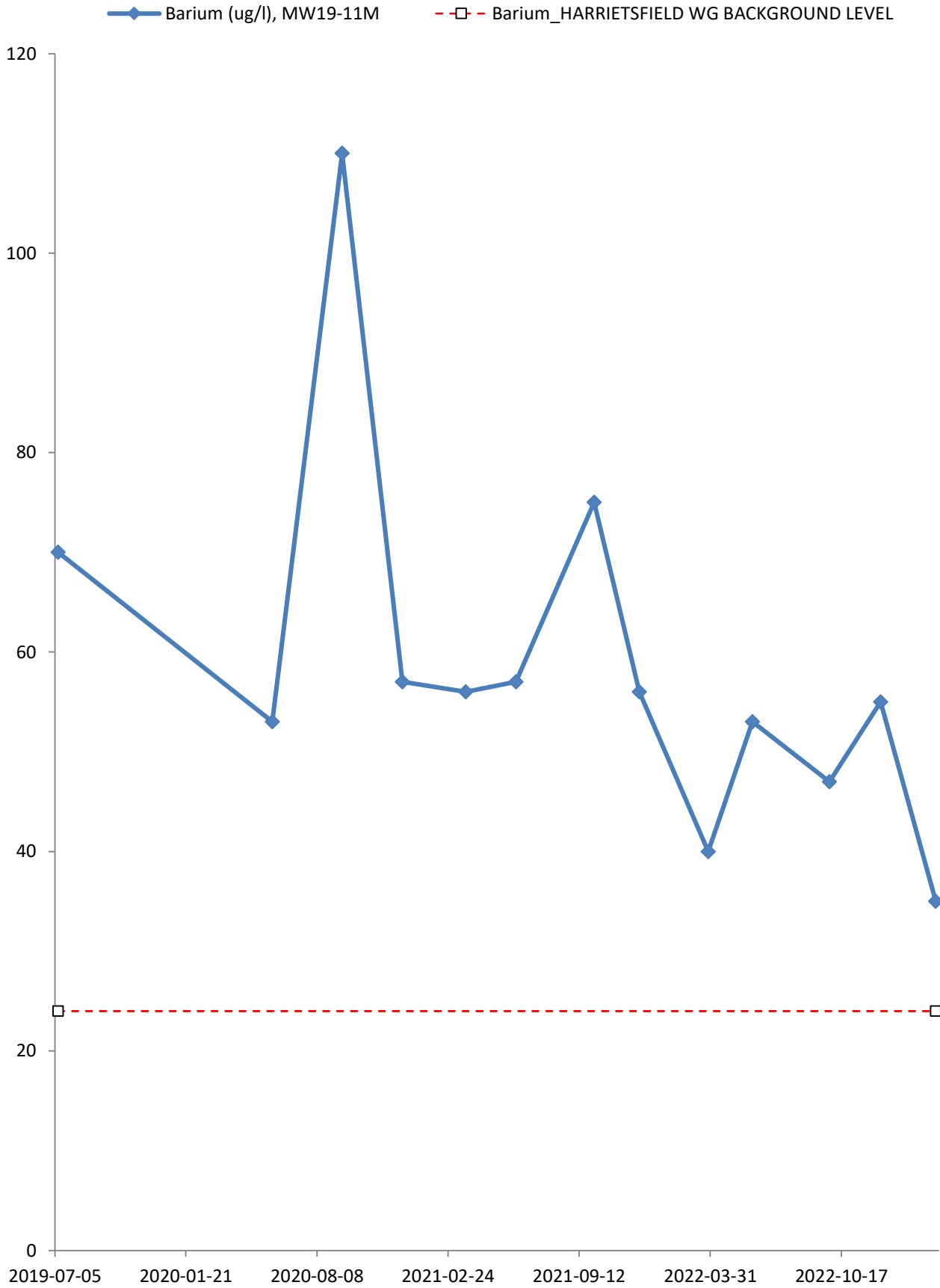


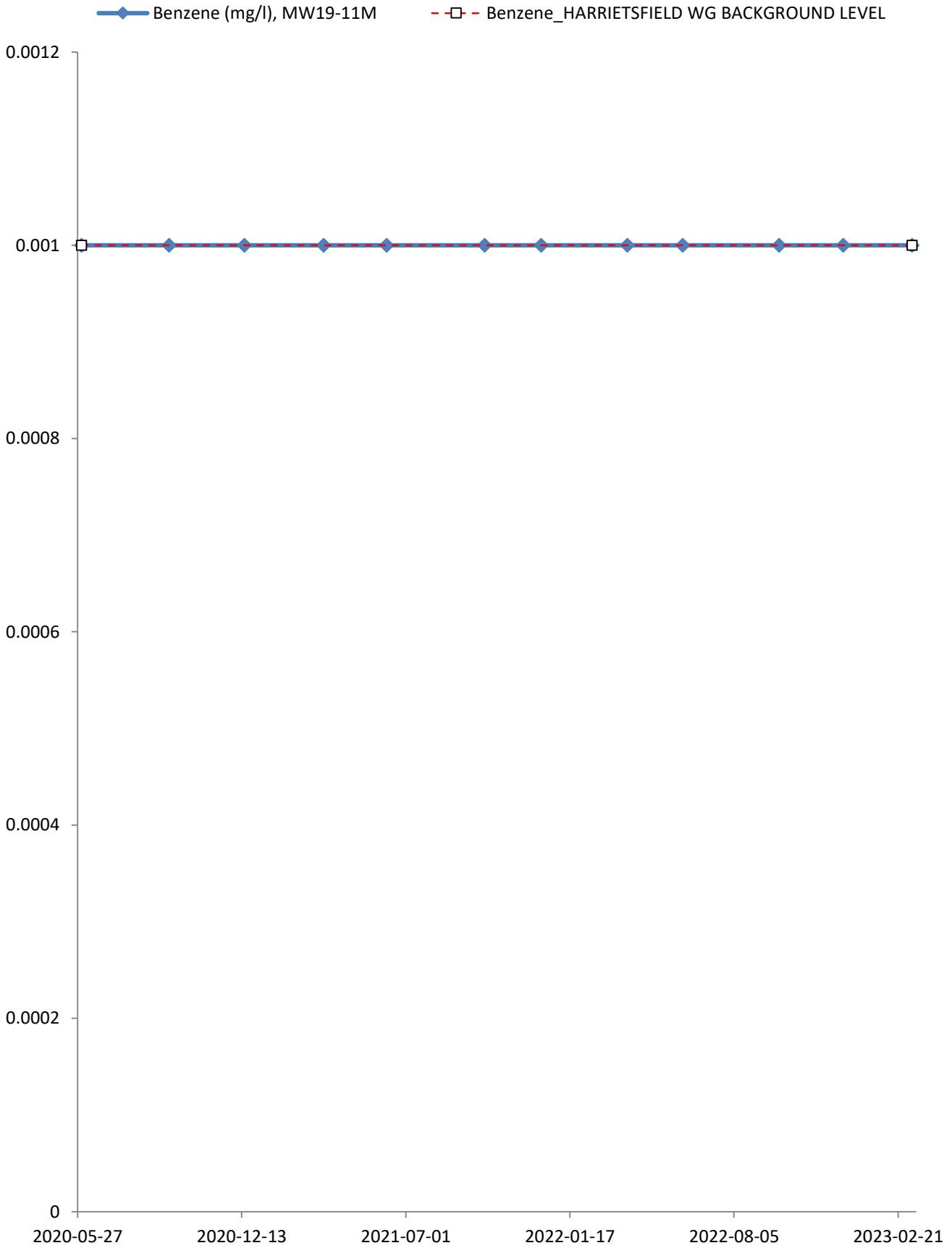


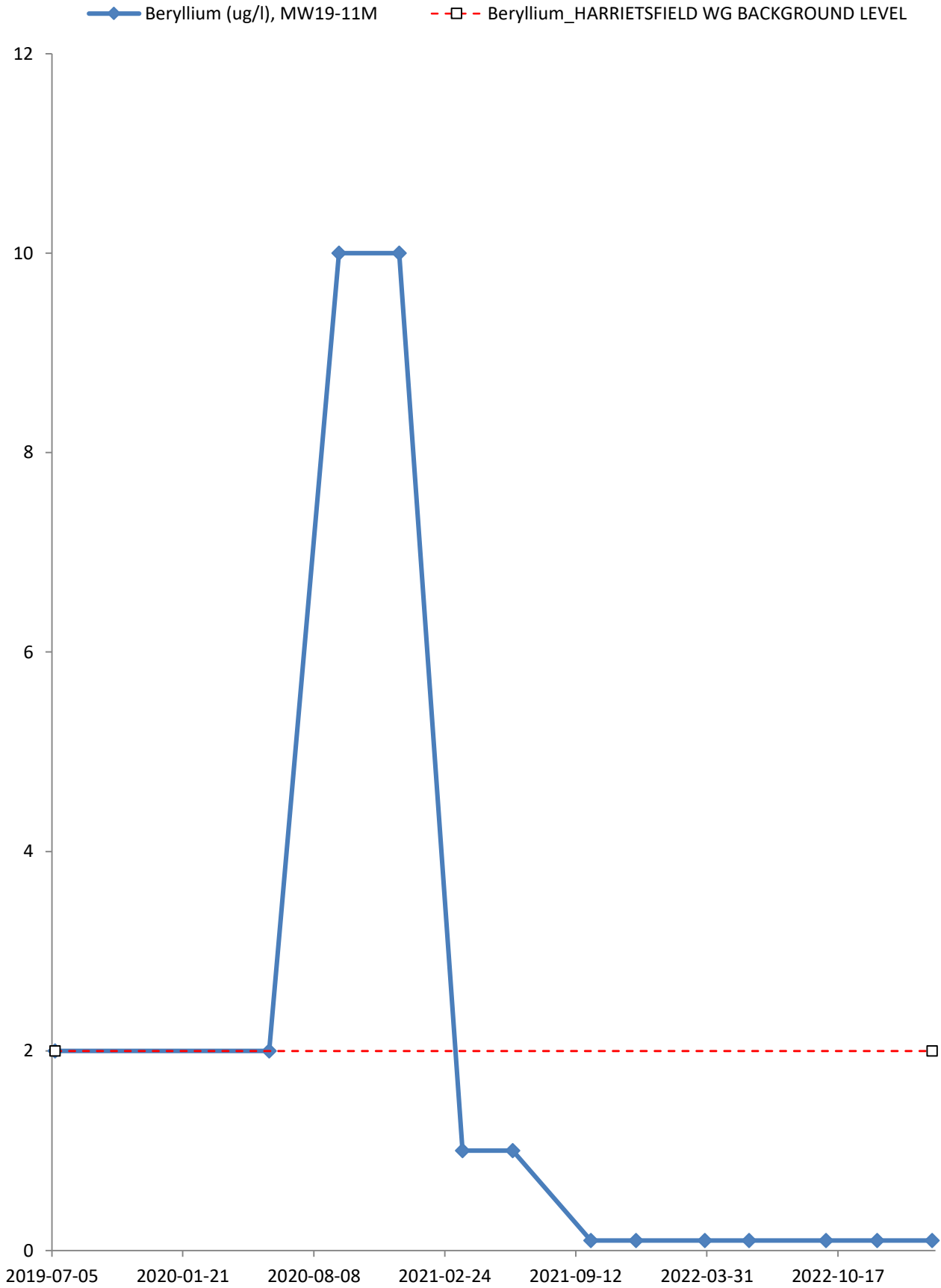


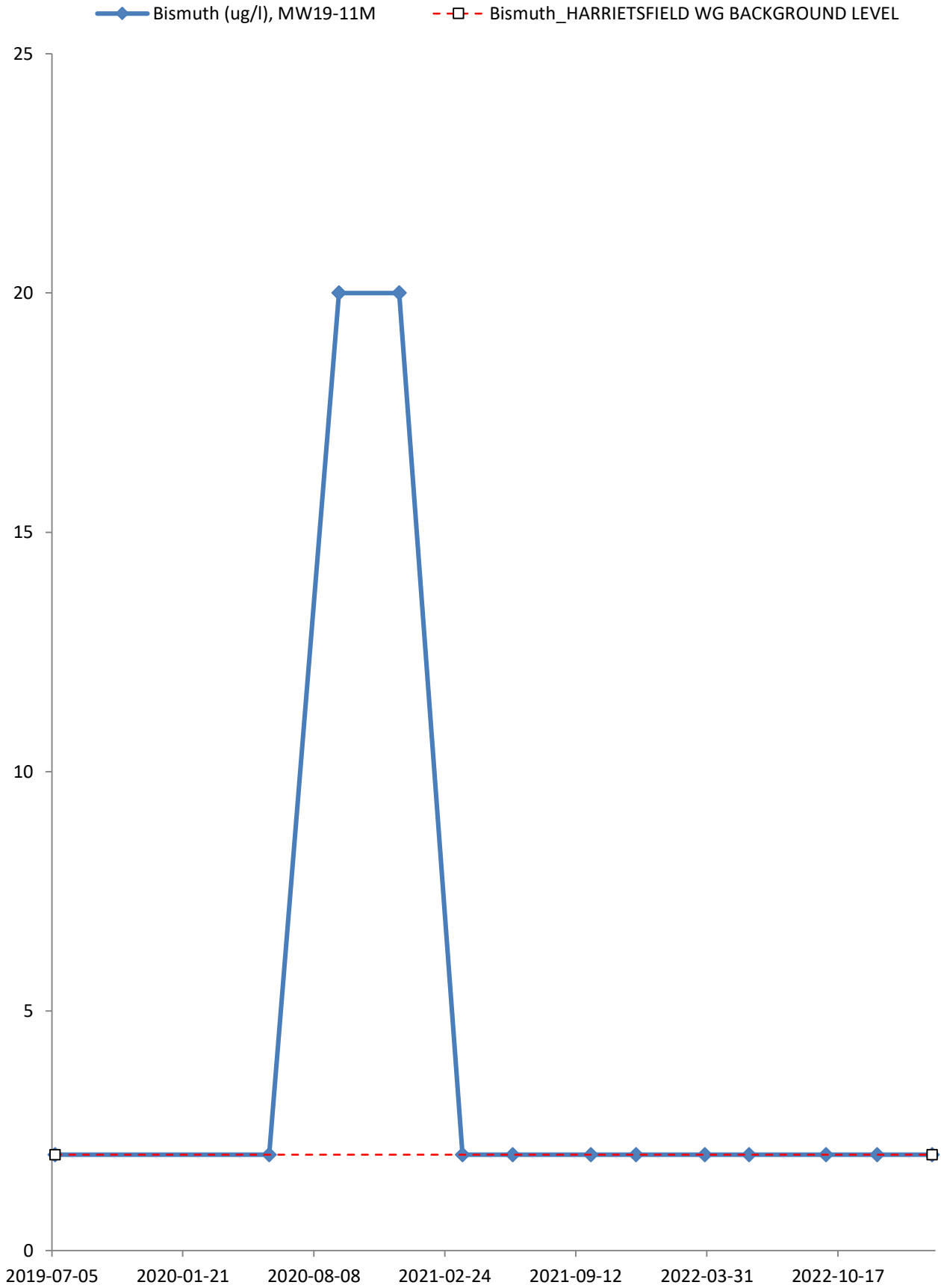


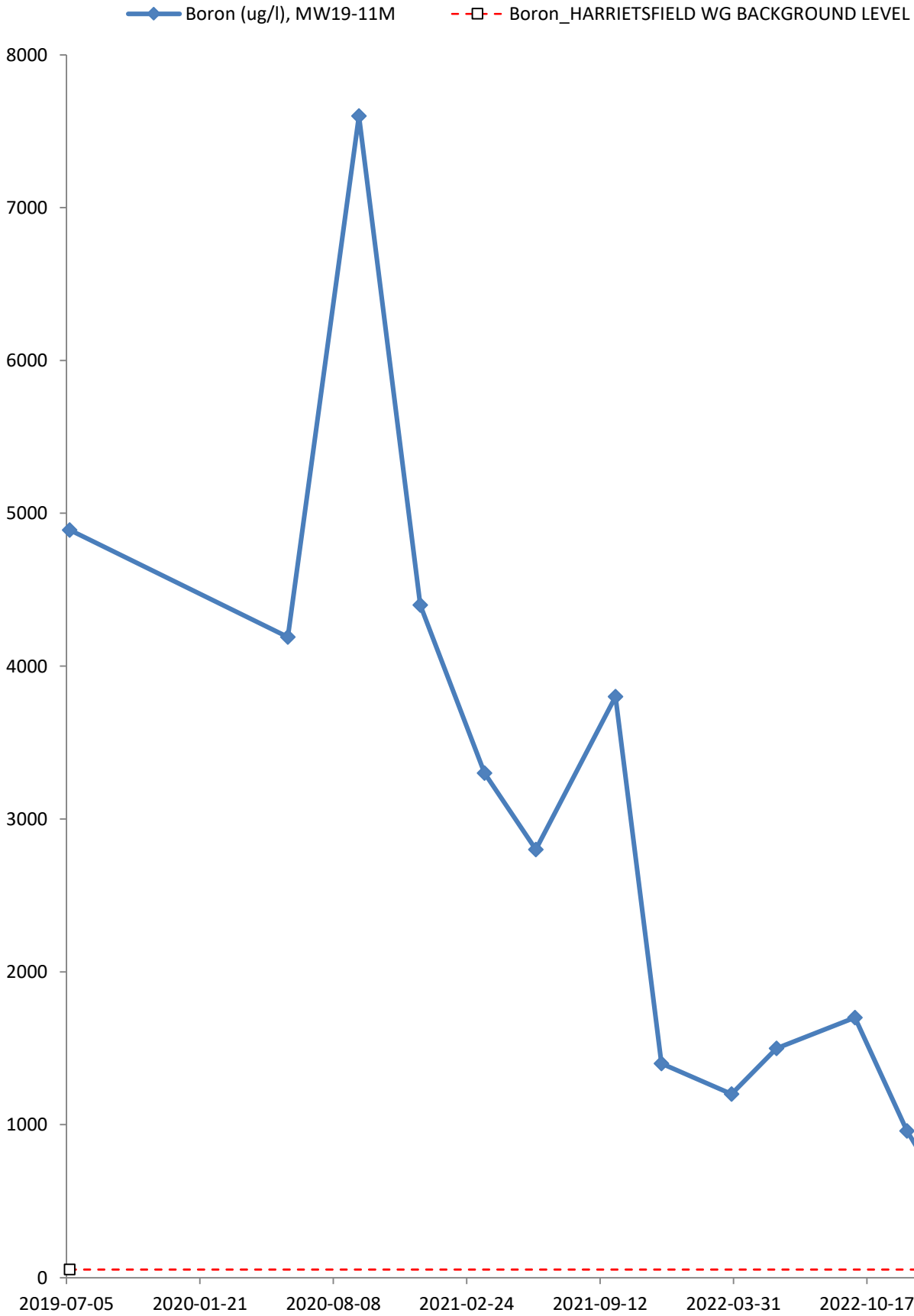


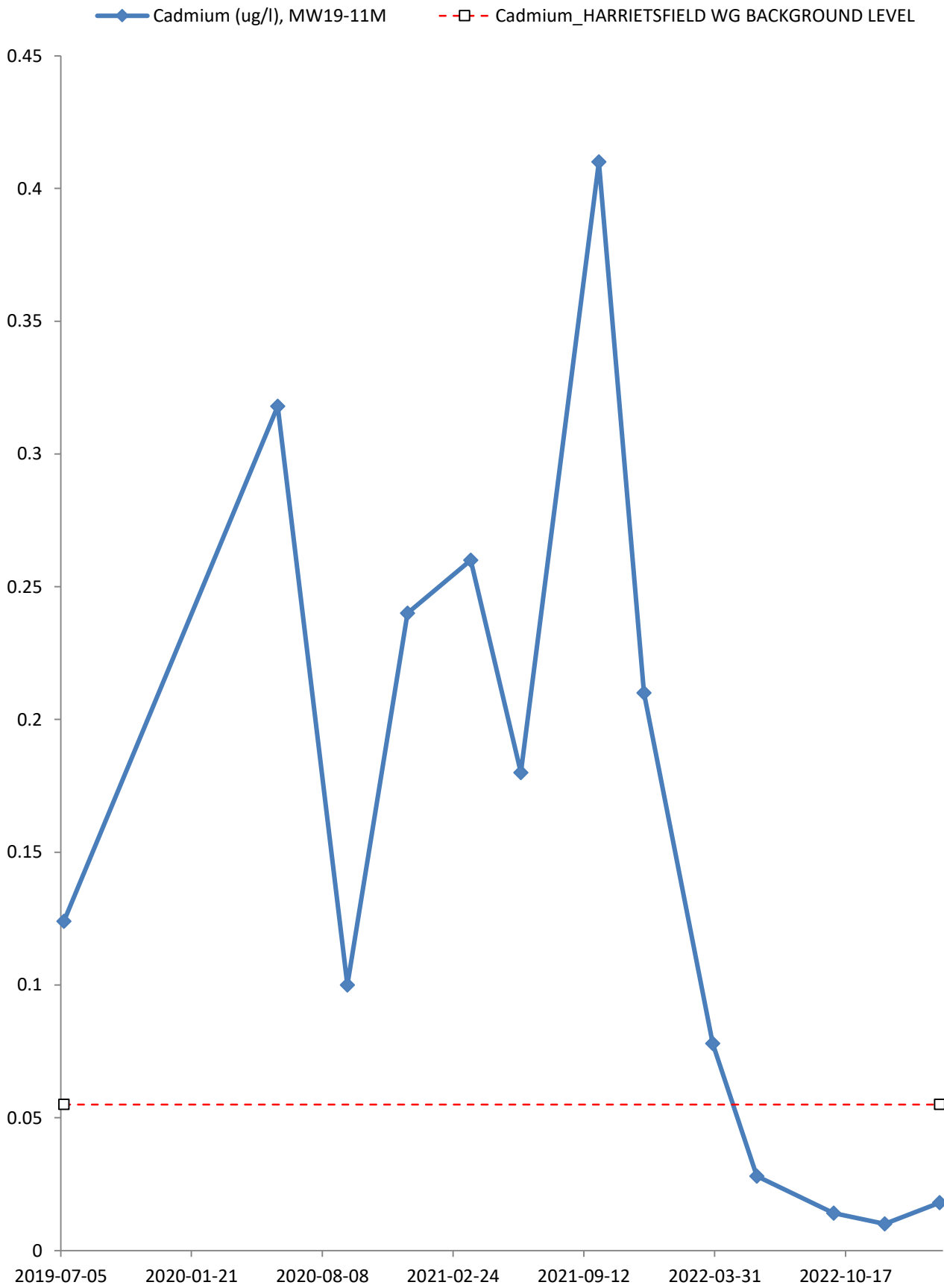


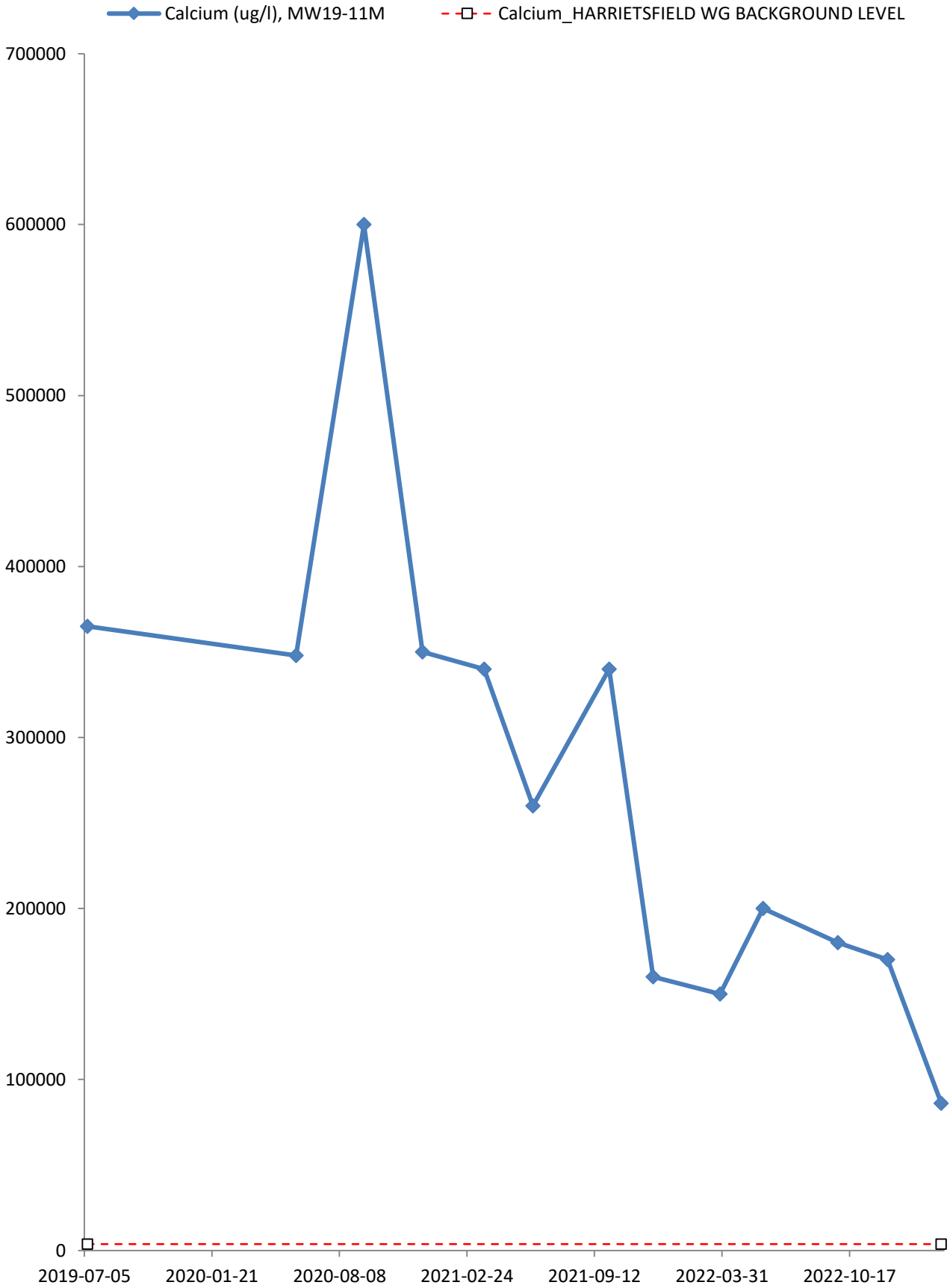




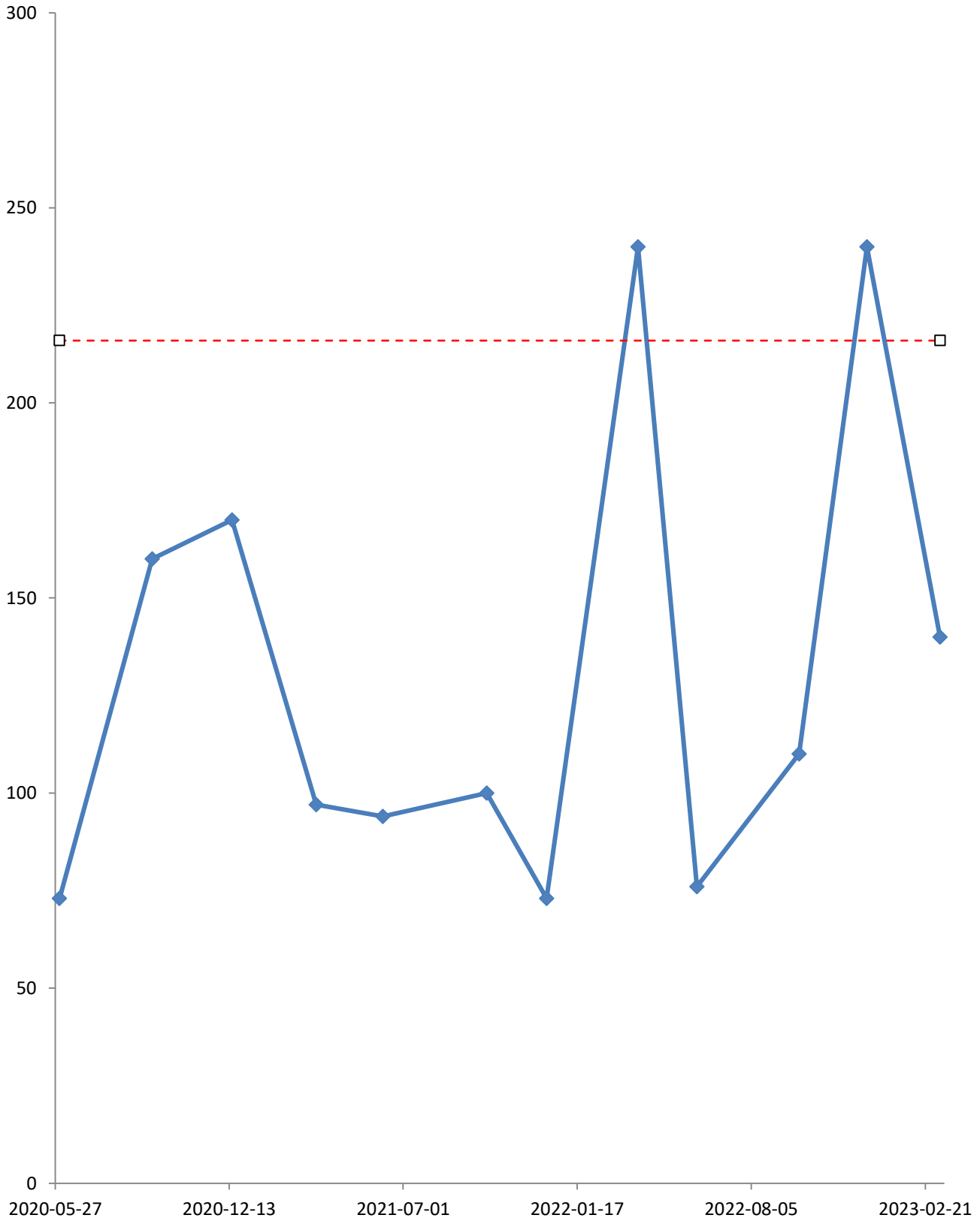


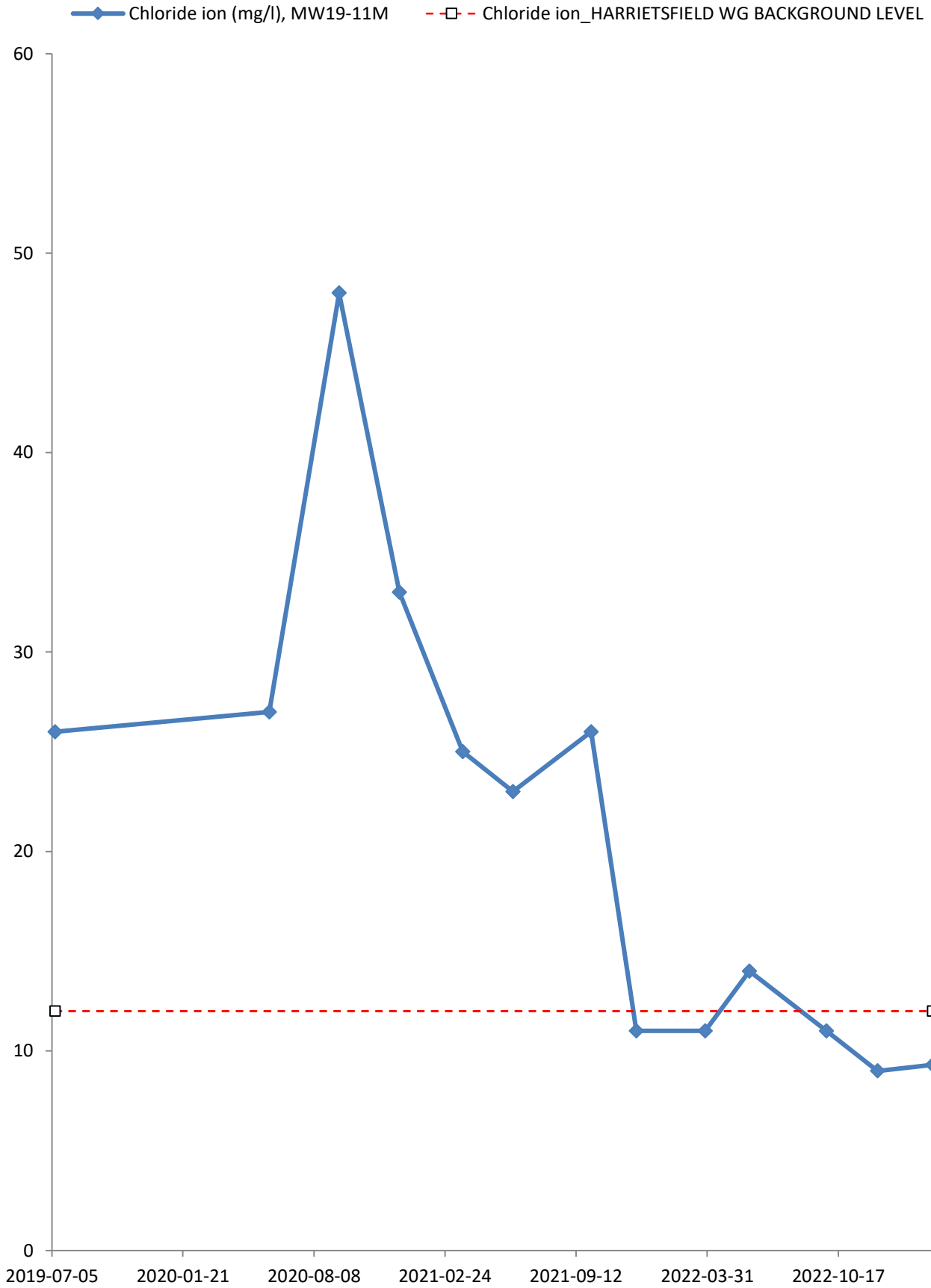


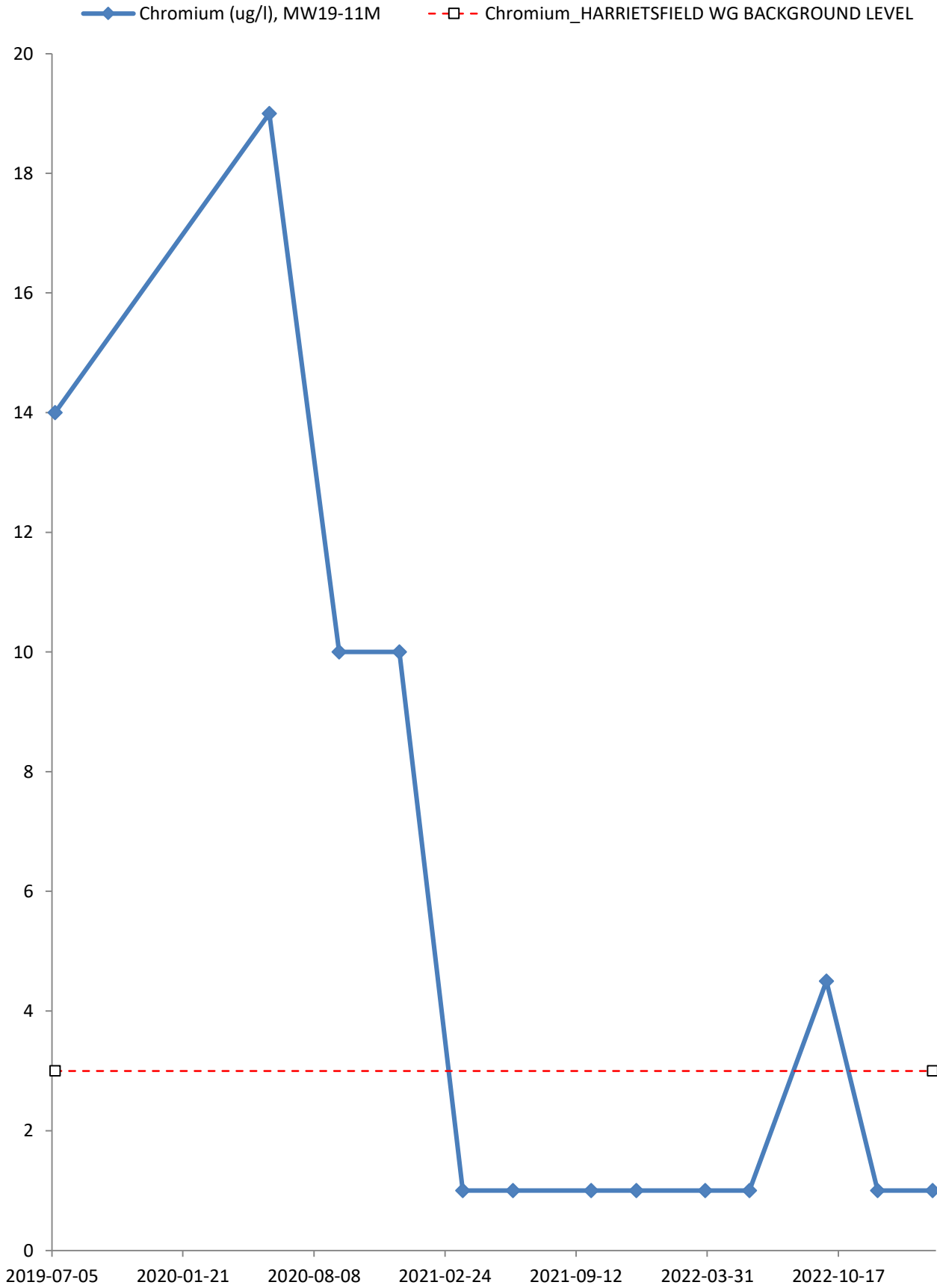


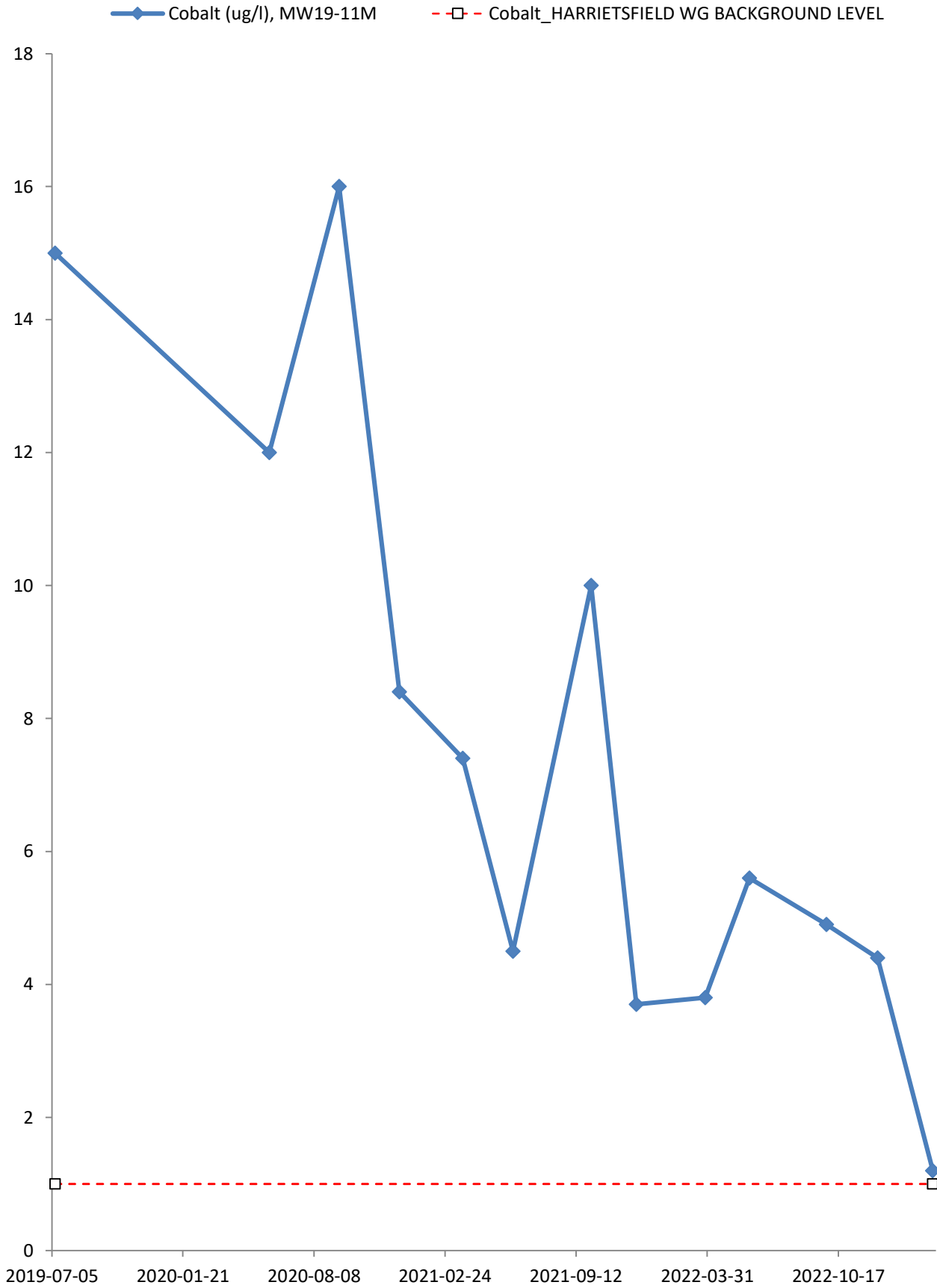


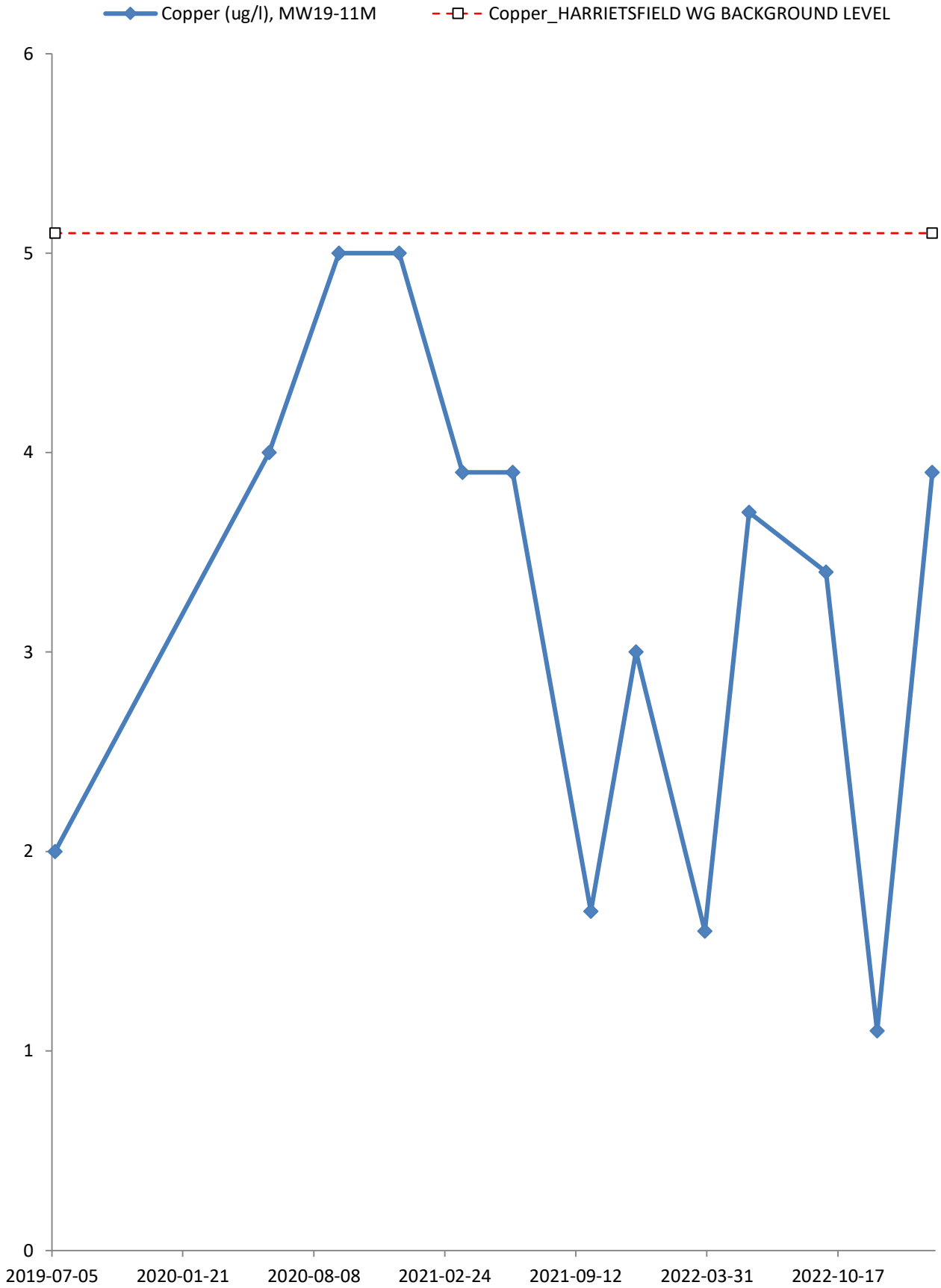
—◆— Chemical Oxygen Demand (mg/l), MW19-11M
- - □ - - Chemical Oxygen Demand_HARRIETSFIELD WG BACKGROUND LEVEL



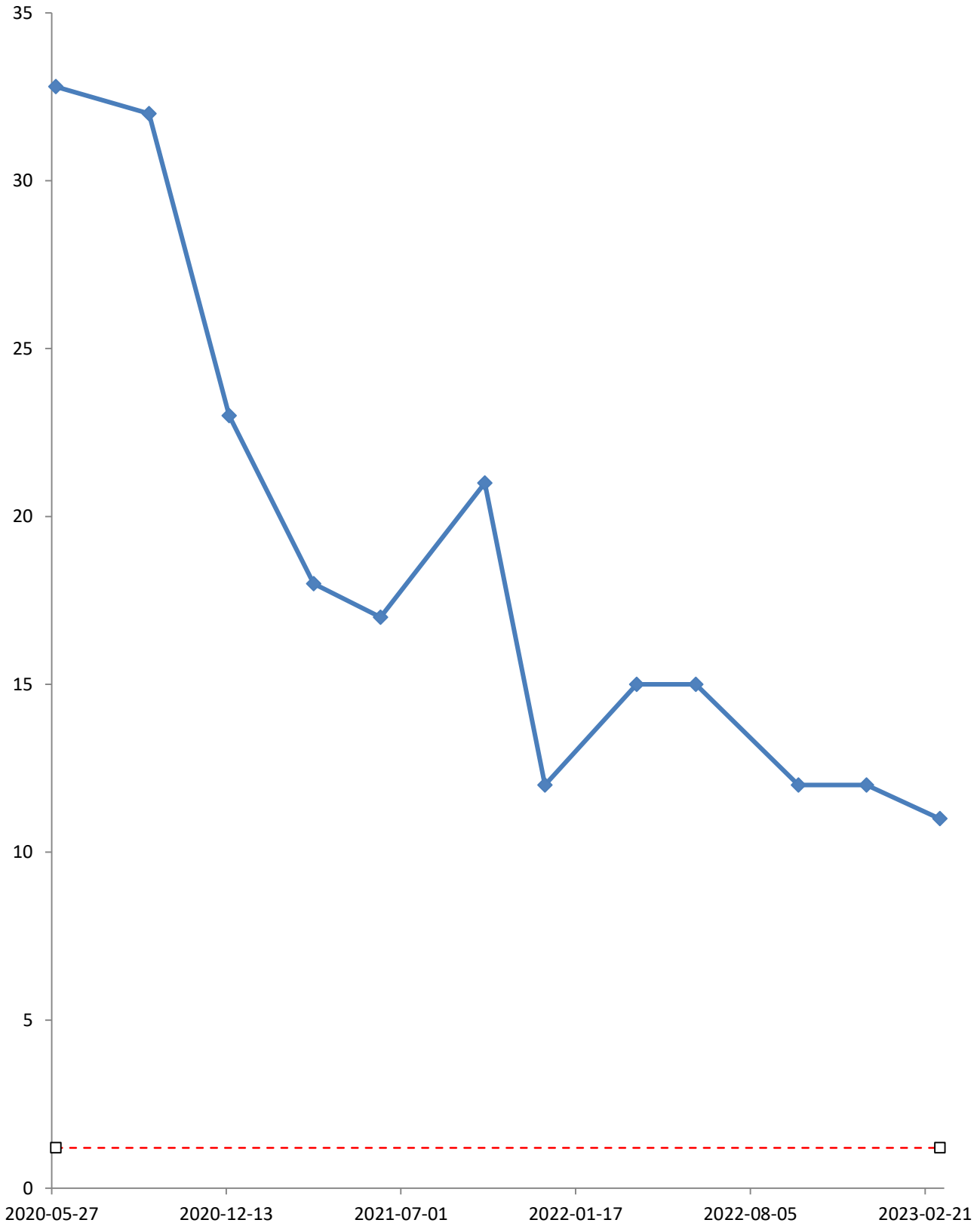




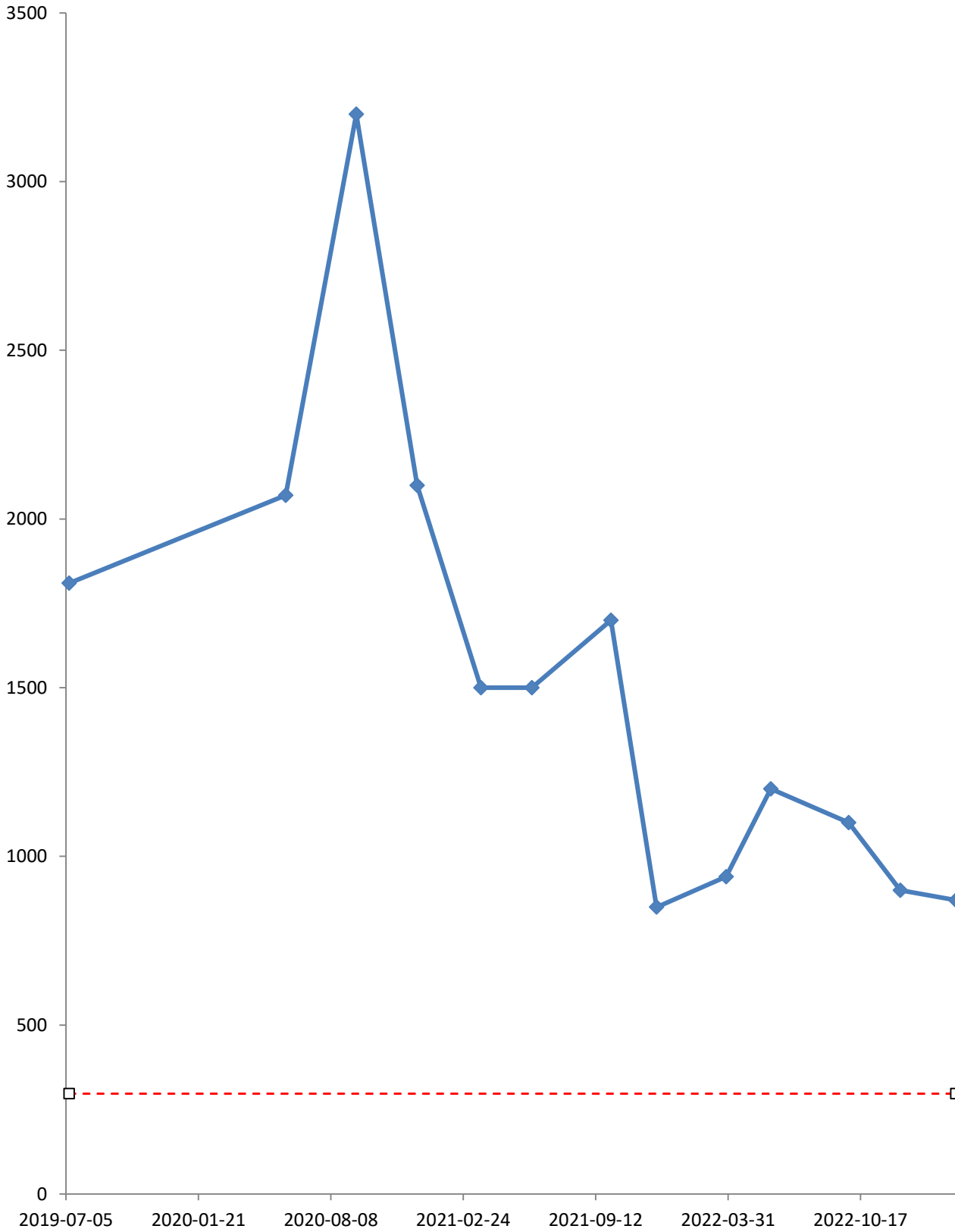


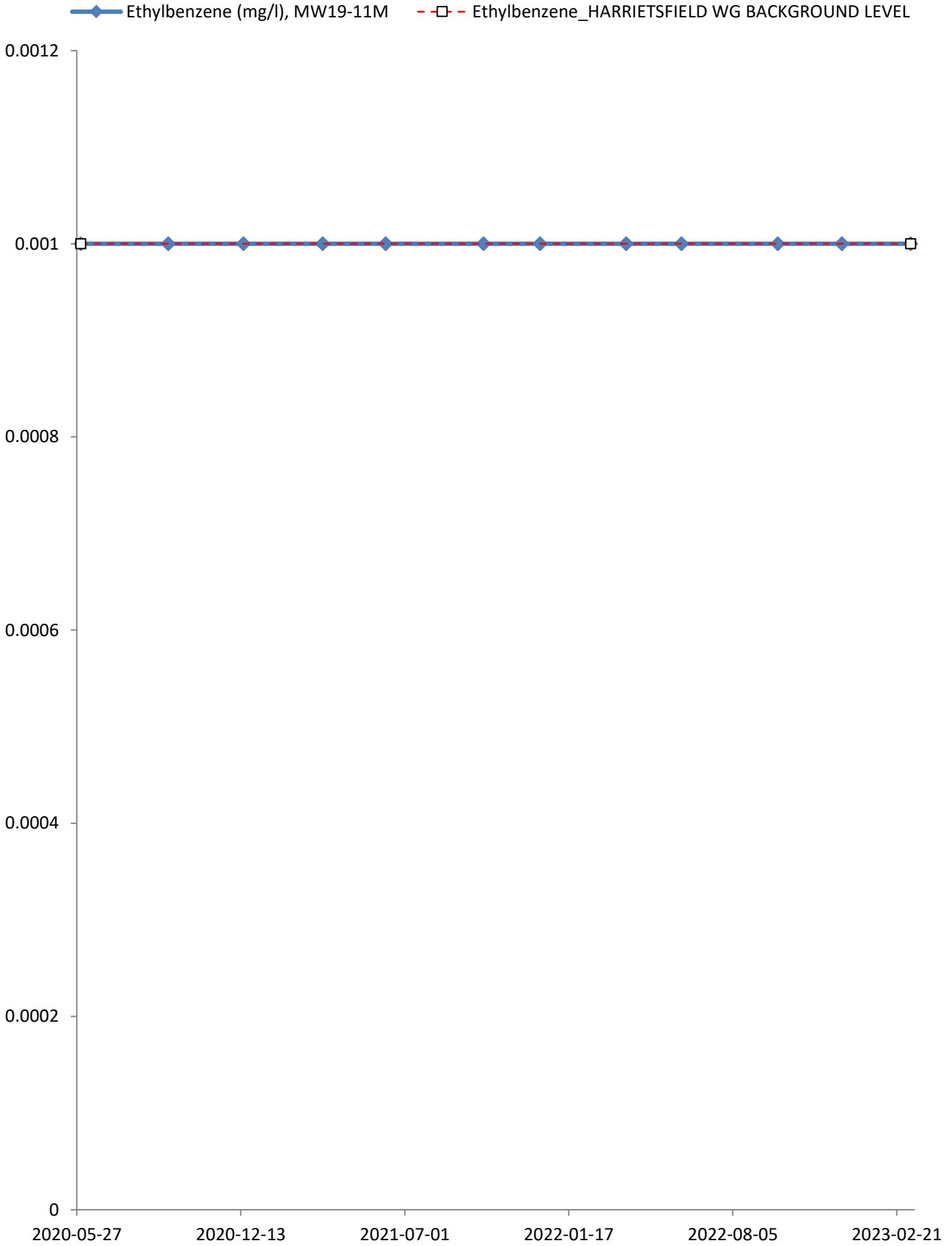


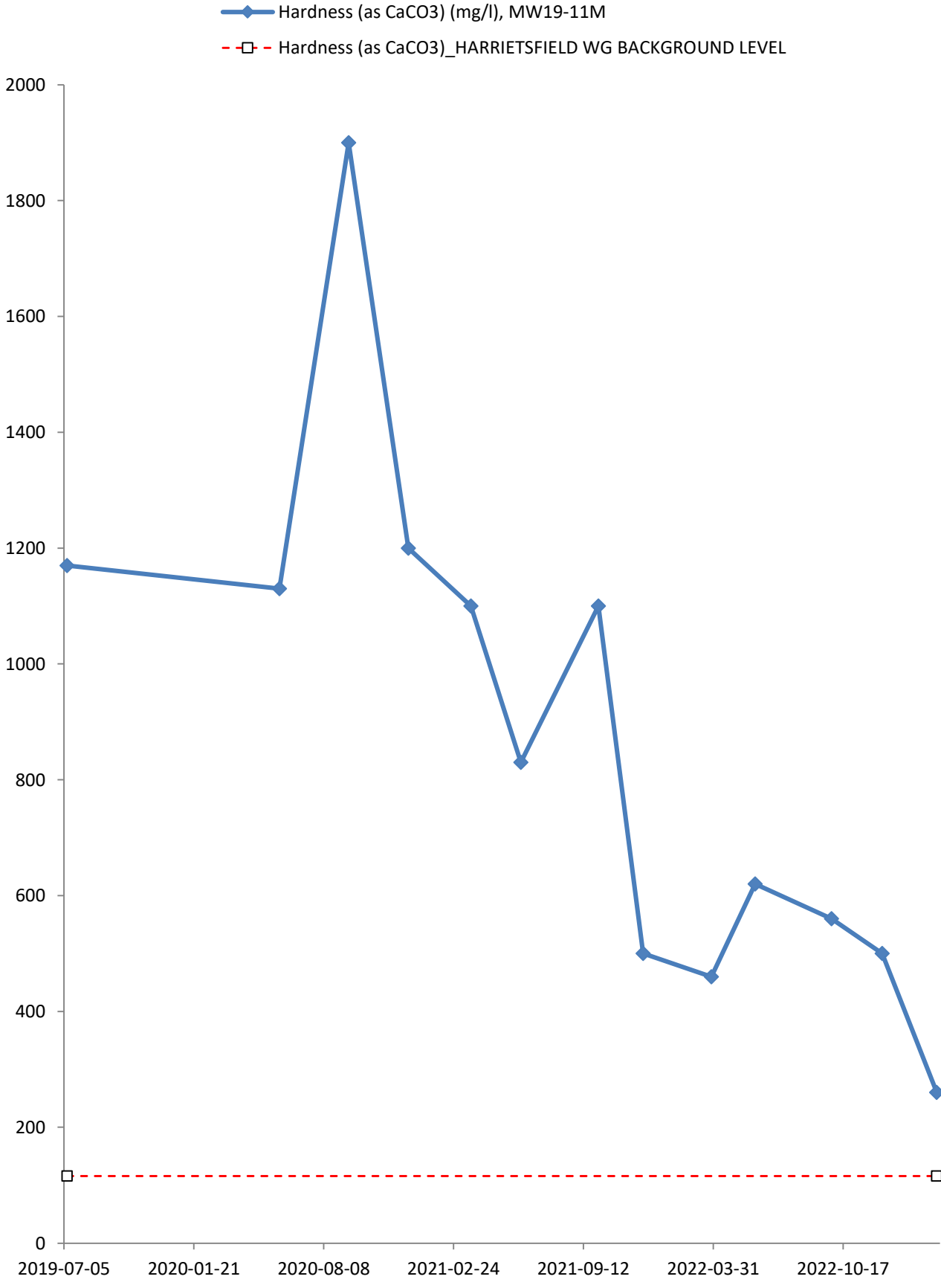
◆ Dissolved Organic Carbon (DOC) (mg/l), MW19-11M
-□- Dissolved Organic Carbon (DOC)_HARRIETSFIELD WG BACKGROUND LEVEL

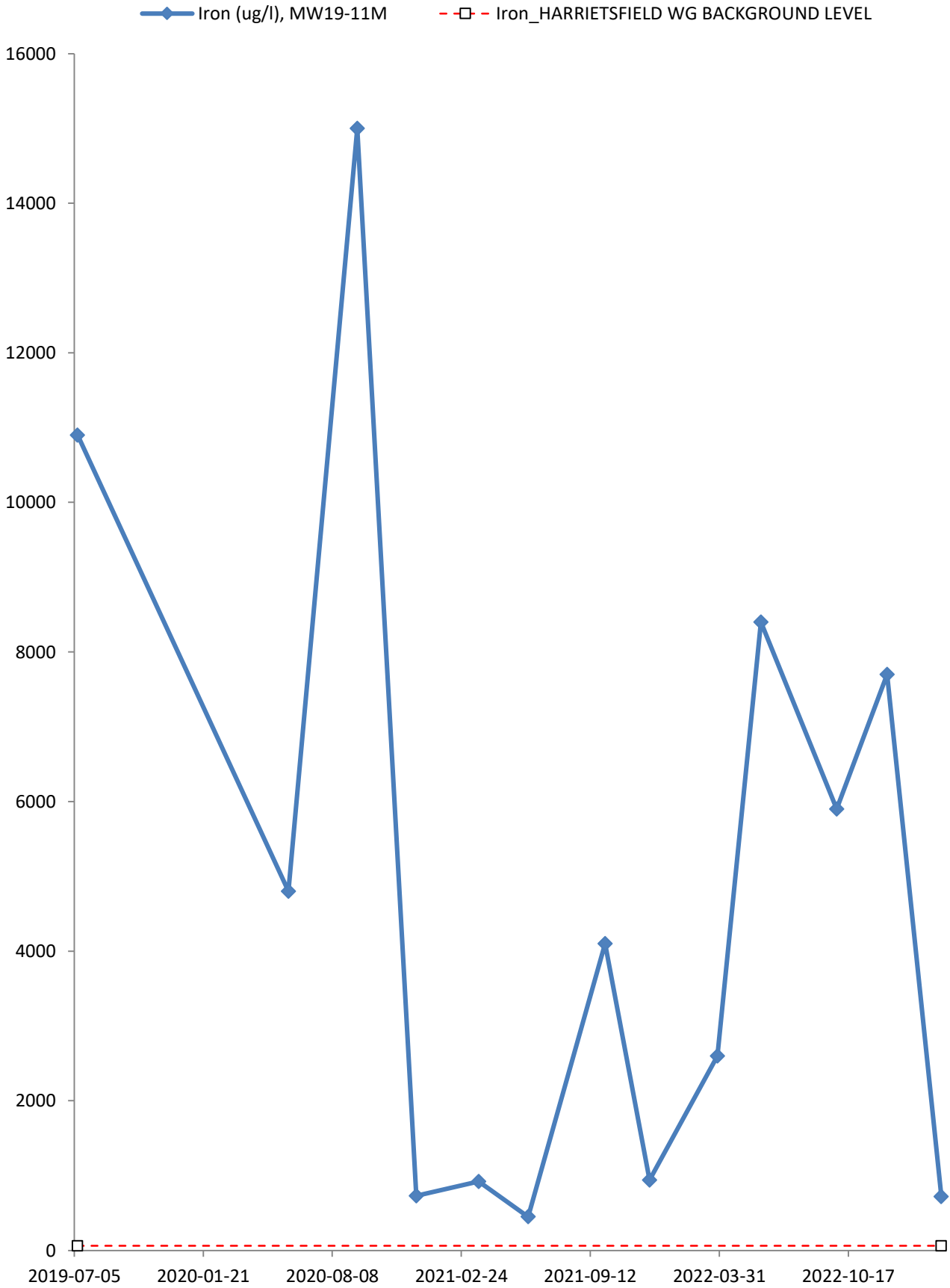


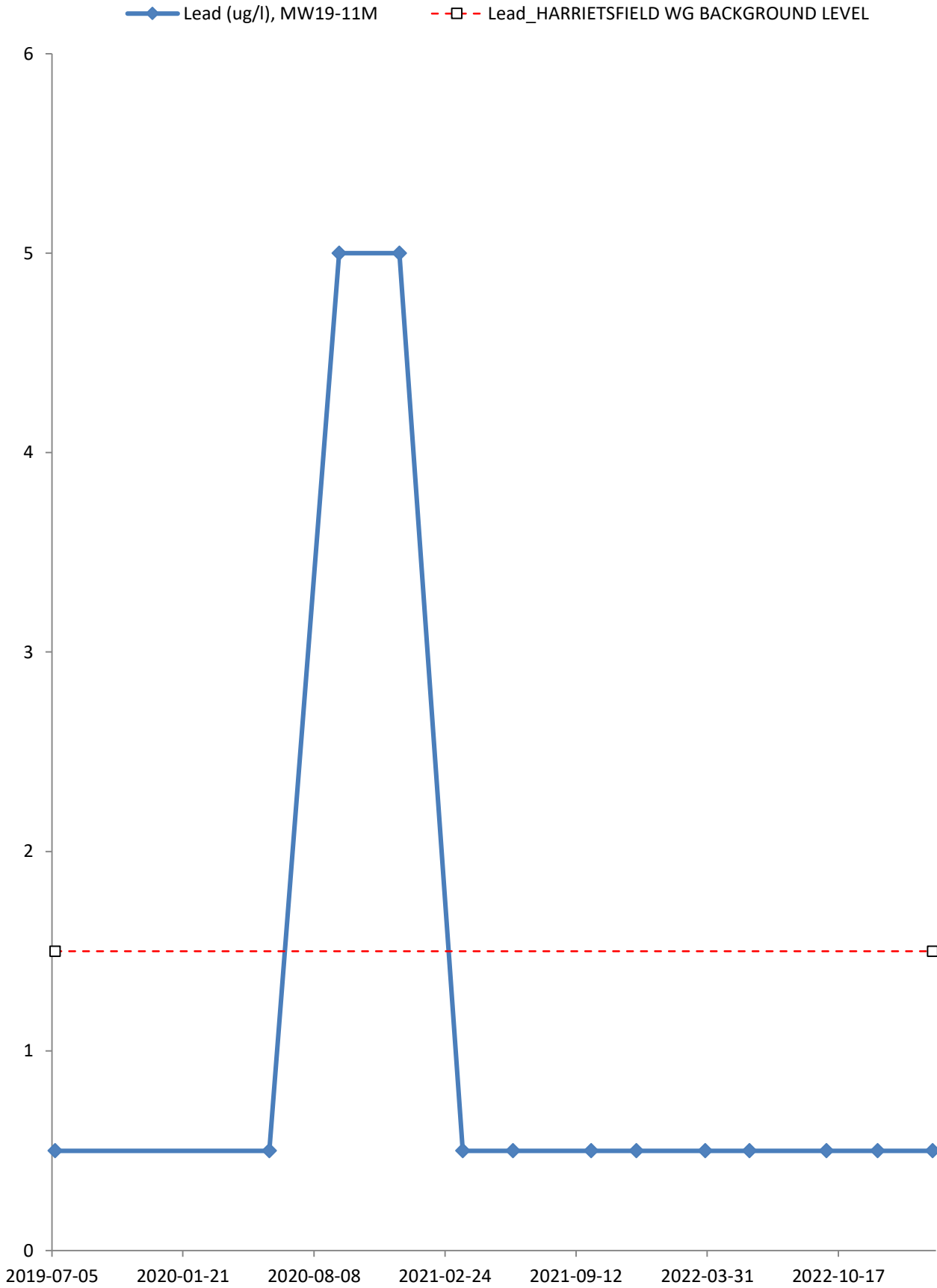
—◆— Electrical Conductivity (umhos/cm), MW19-11M
- -□- - Electrical Conductivity_HARRIETSFIELD WG BACKGROUND LEVEL

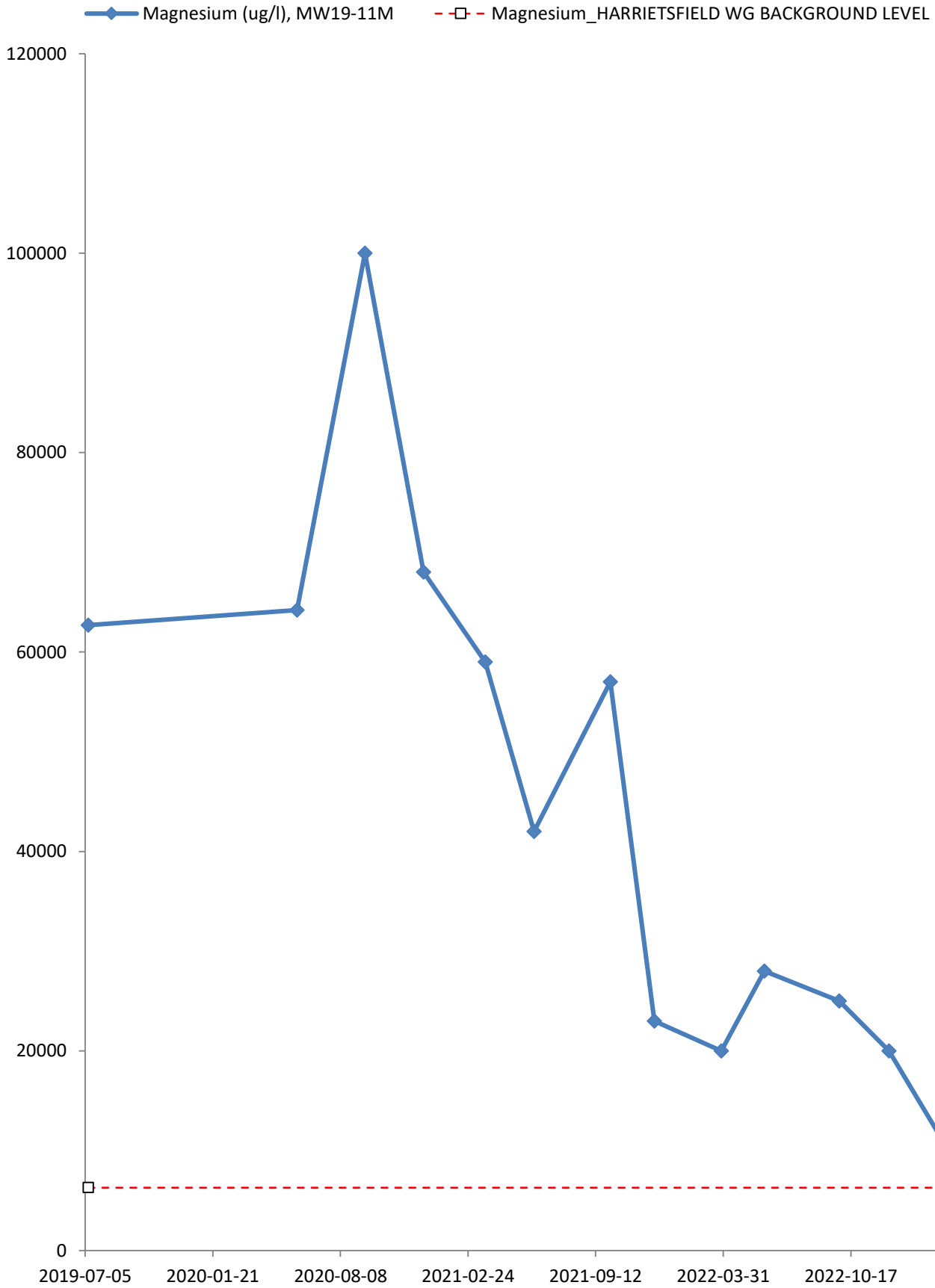


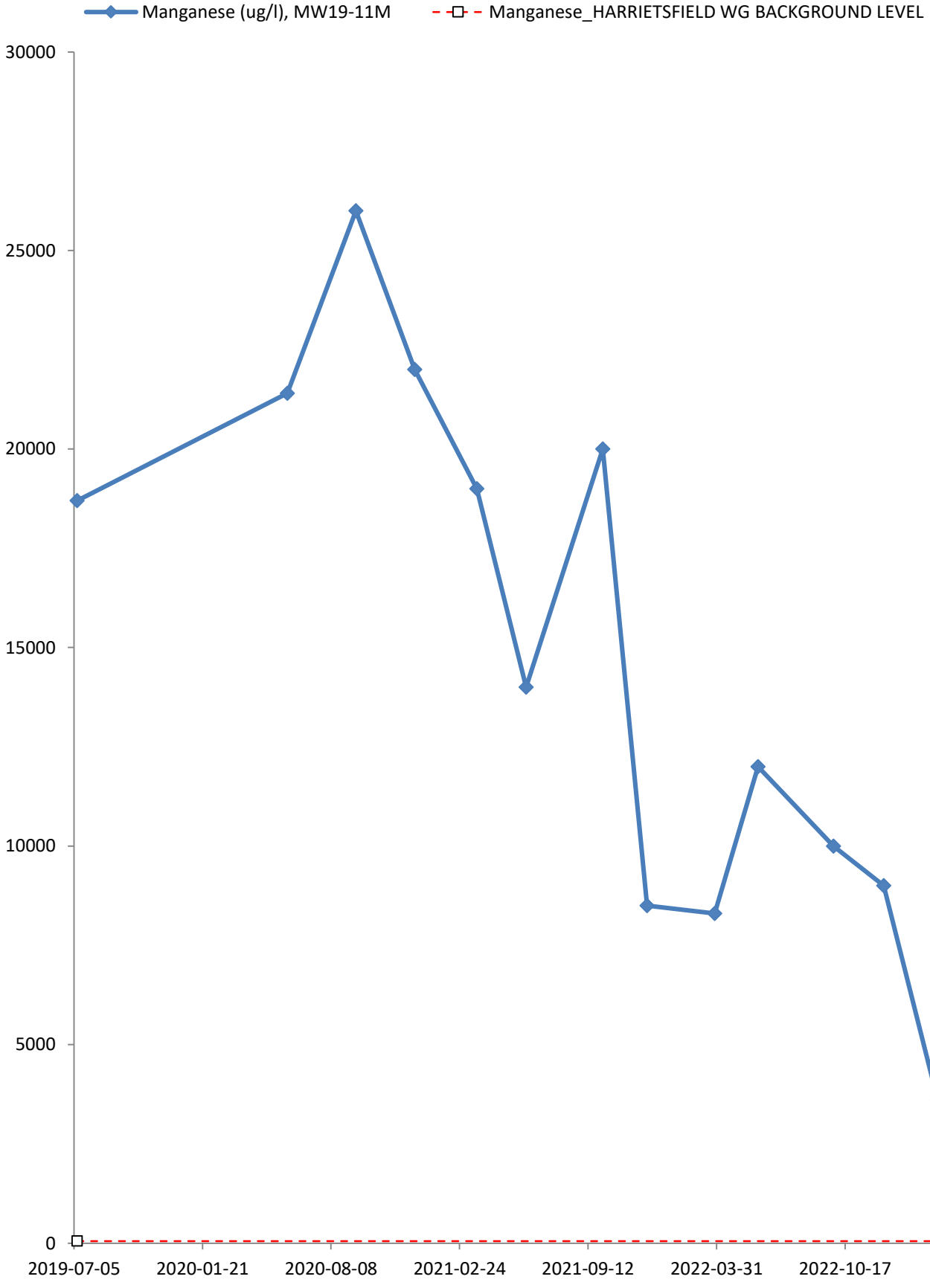


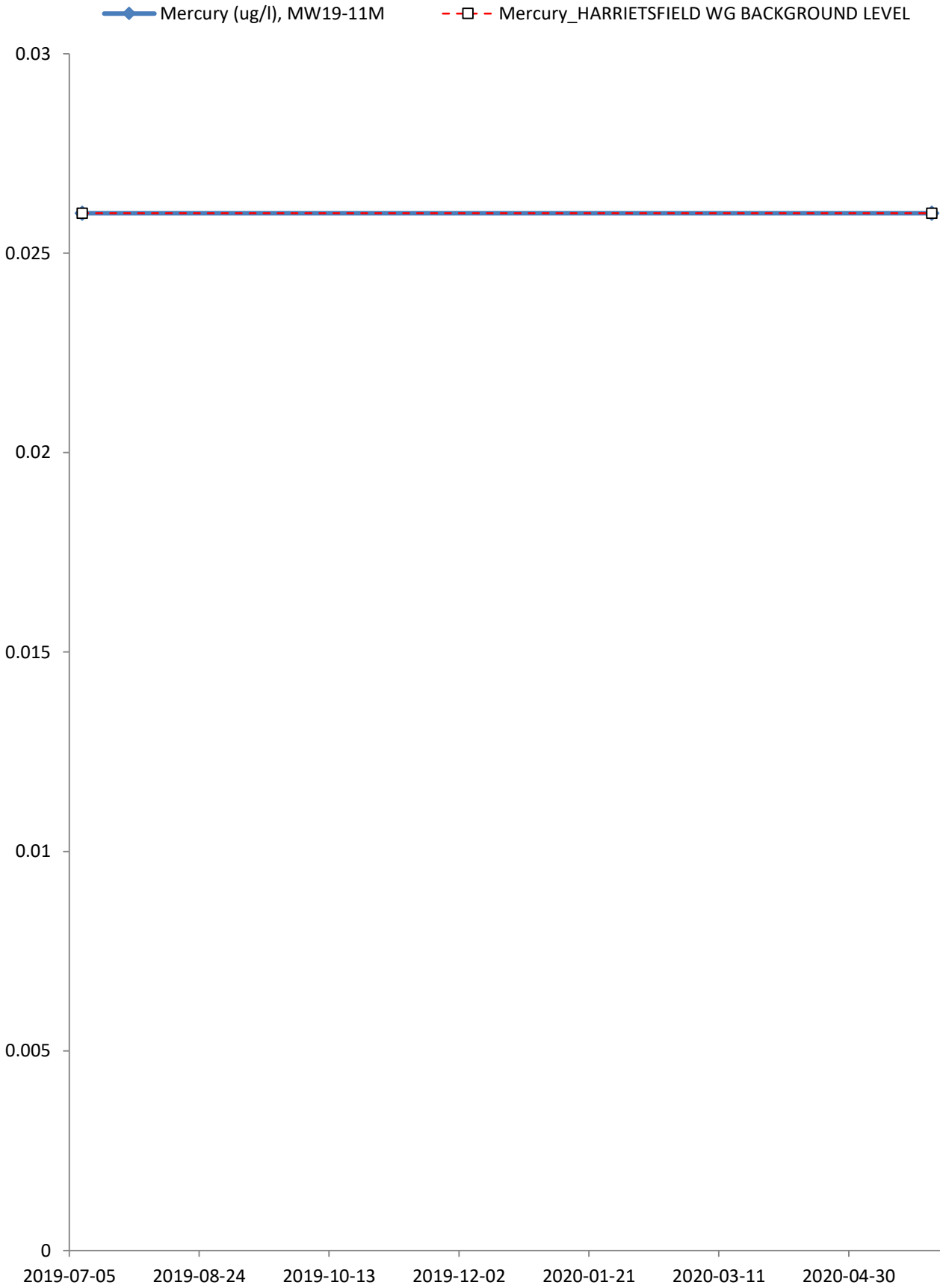


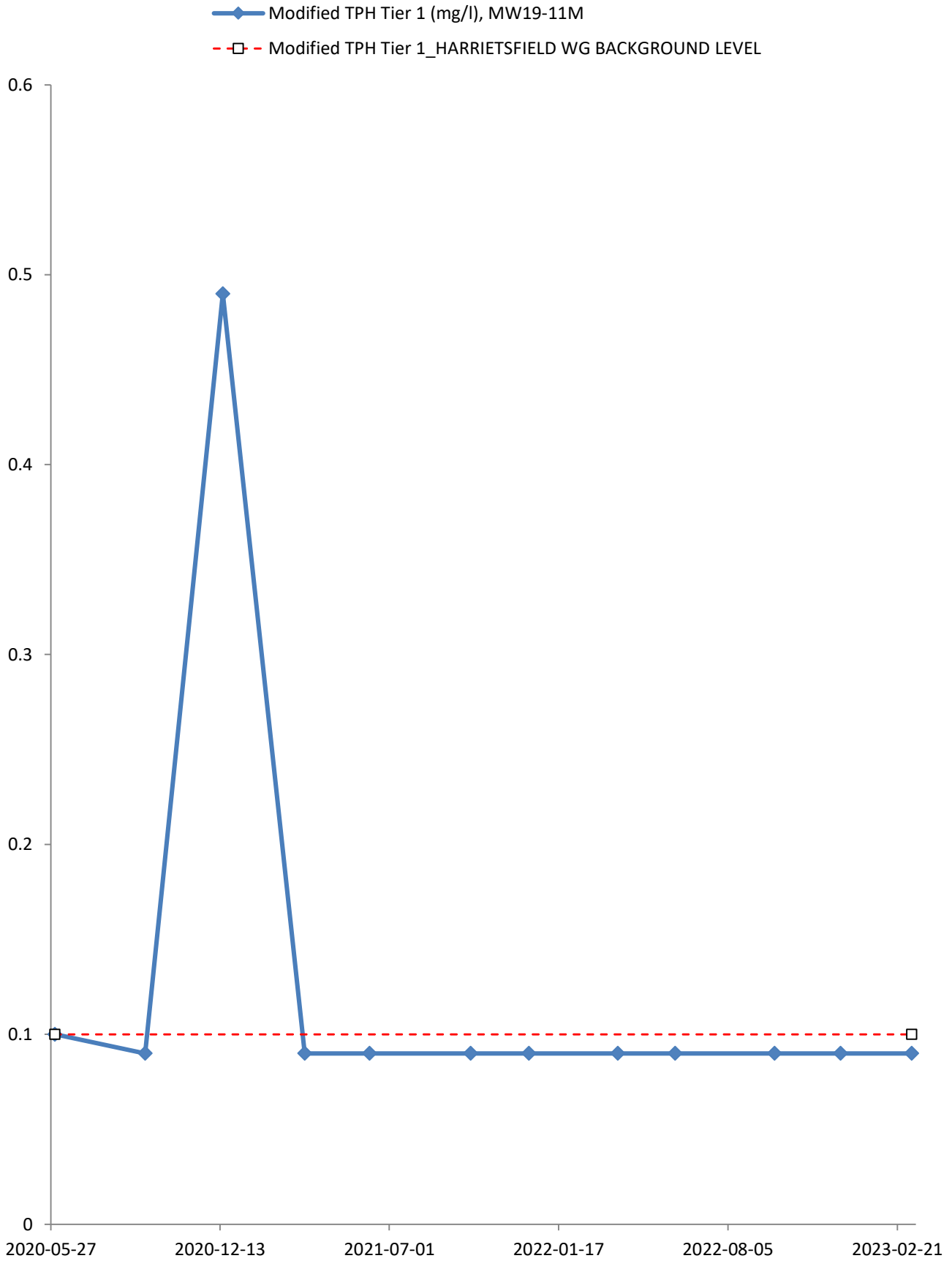


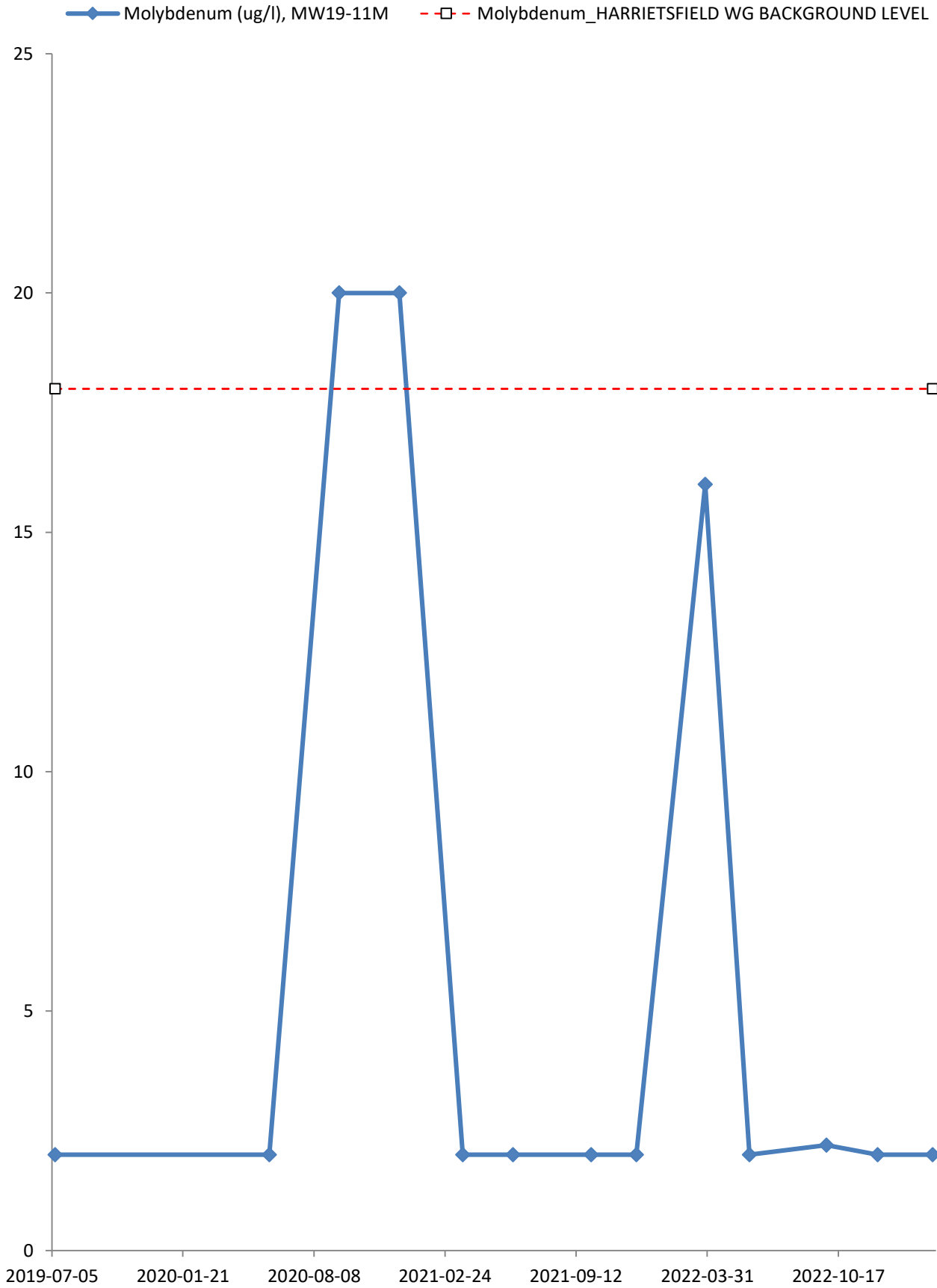


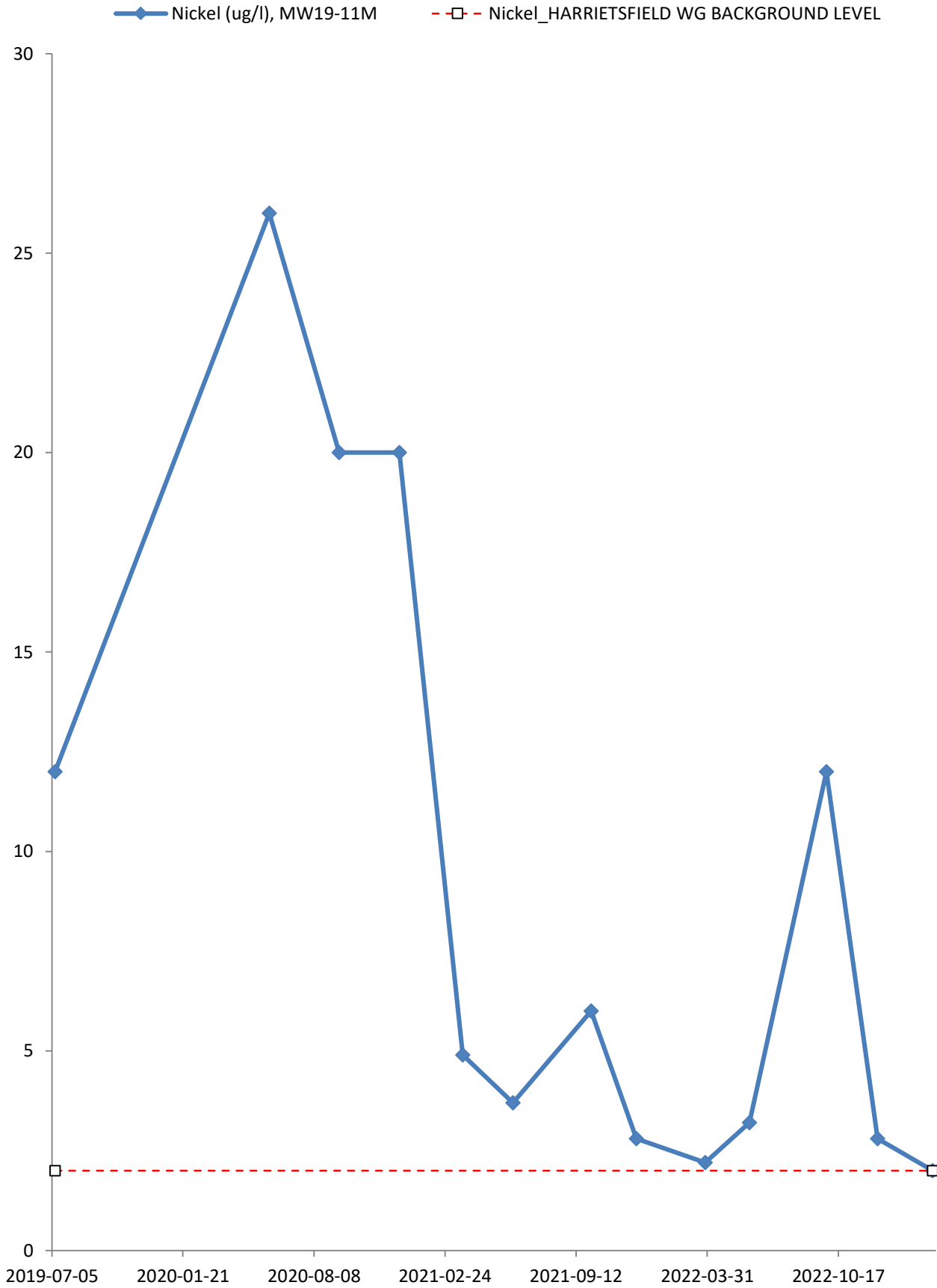


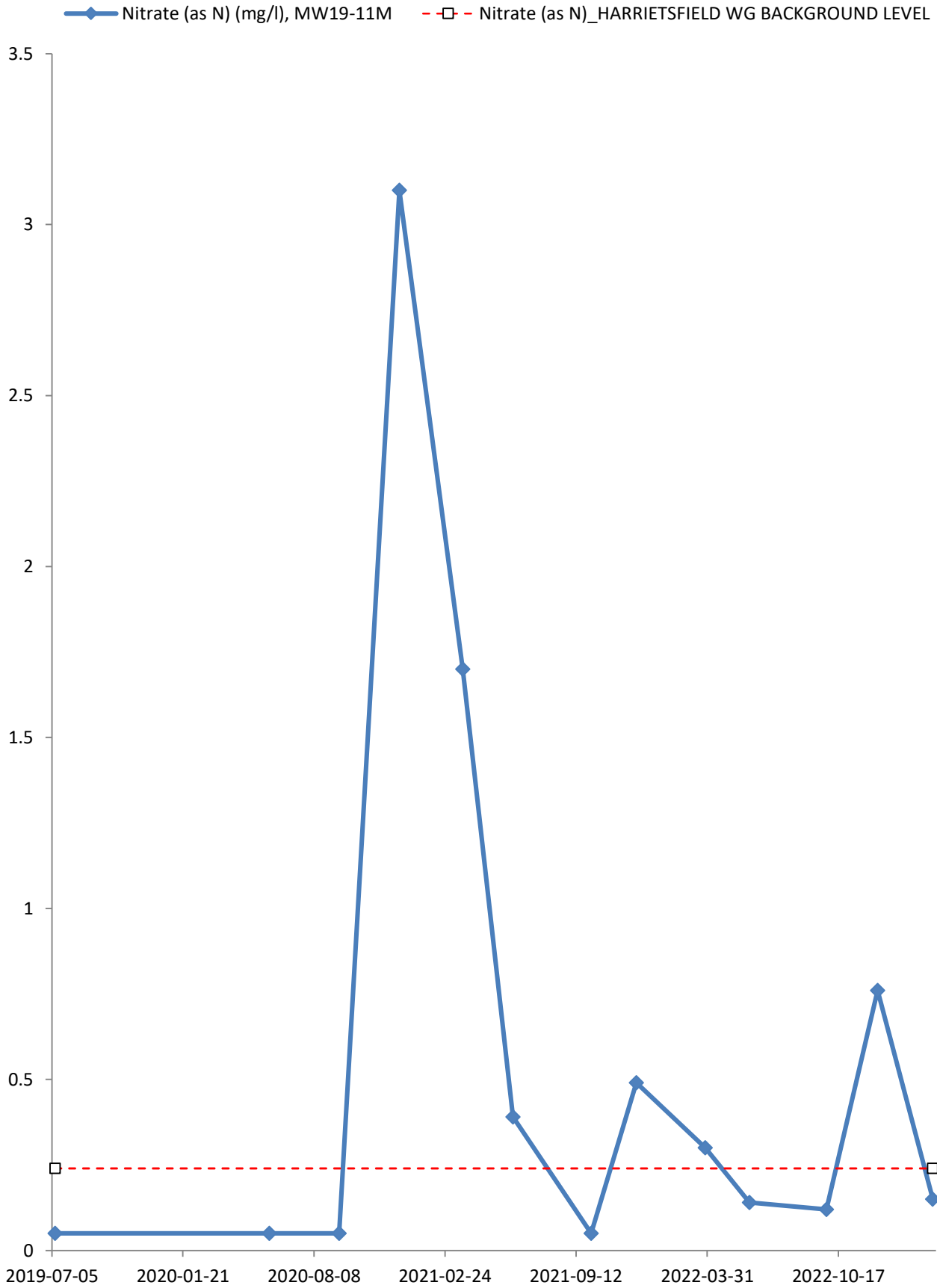




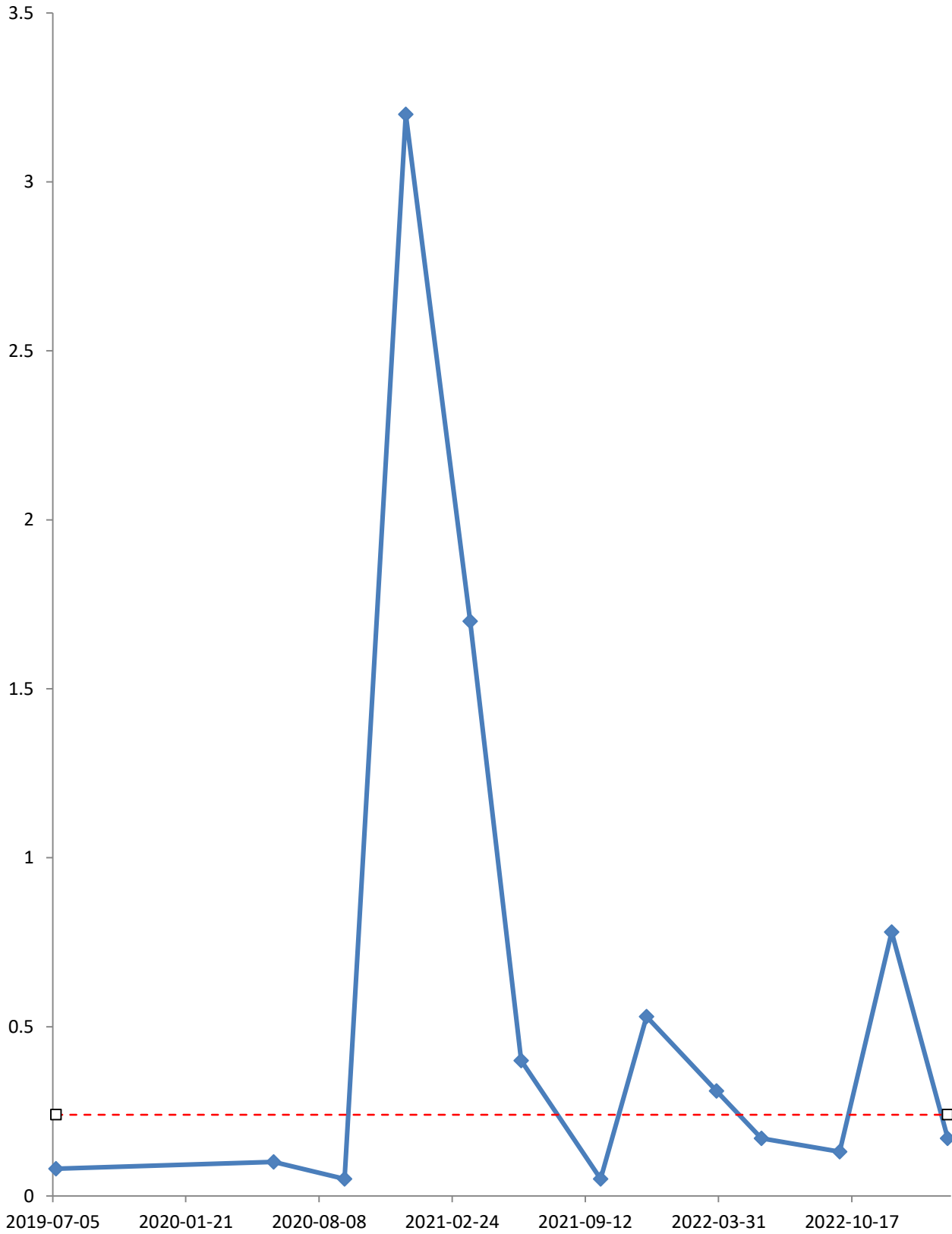


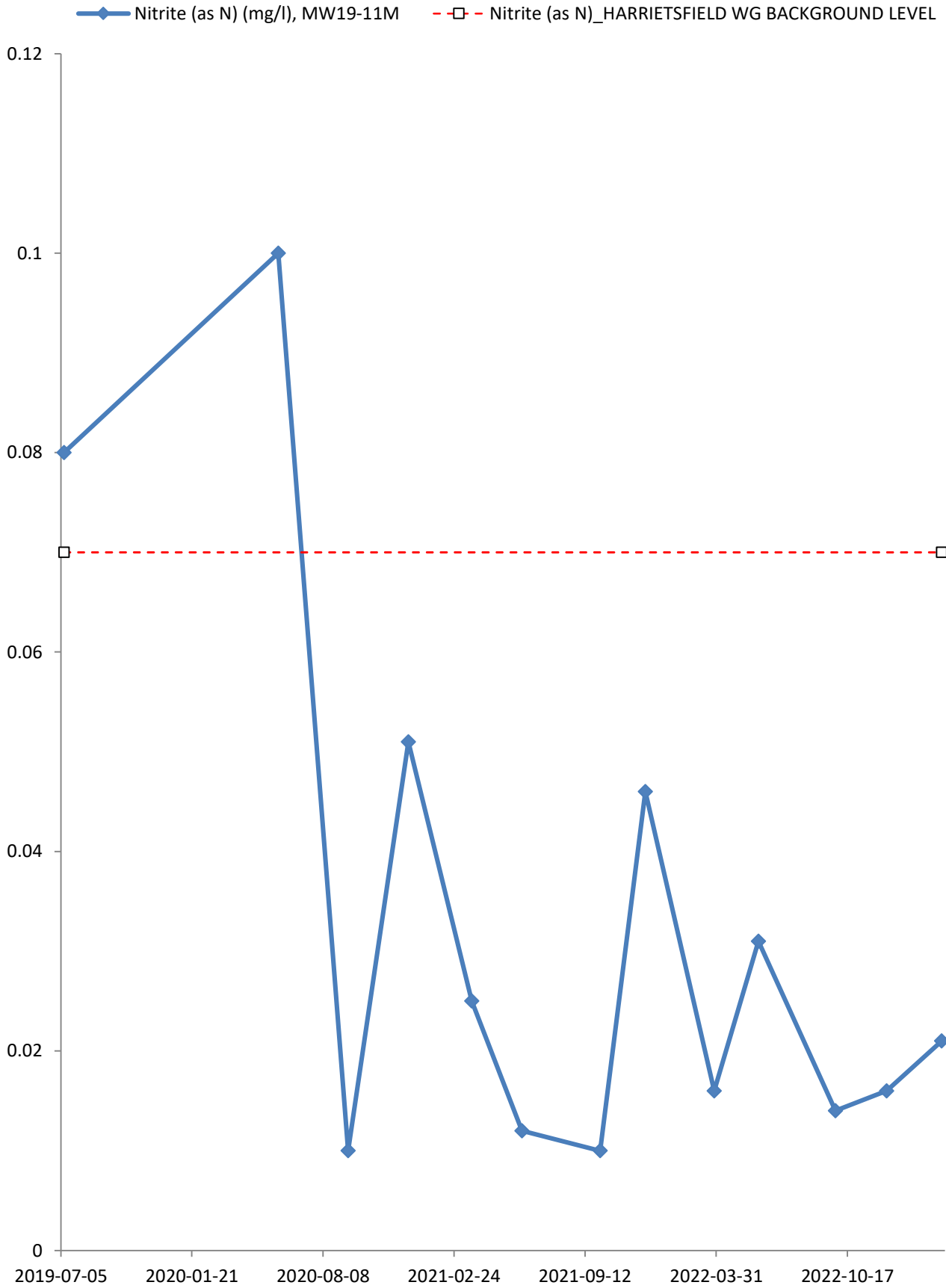




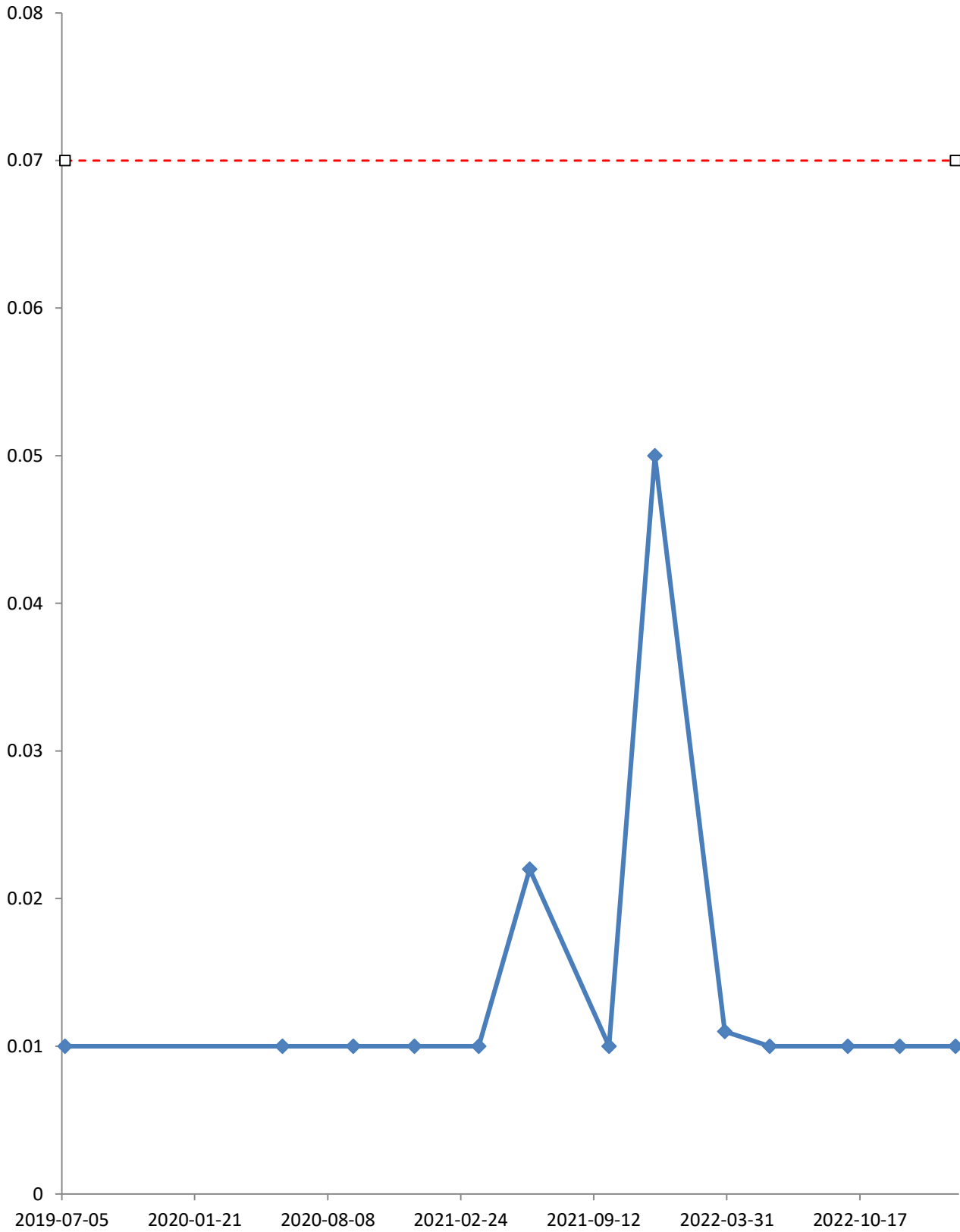


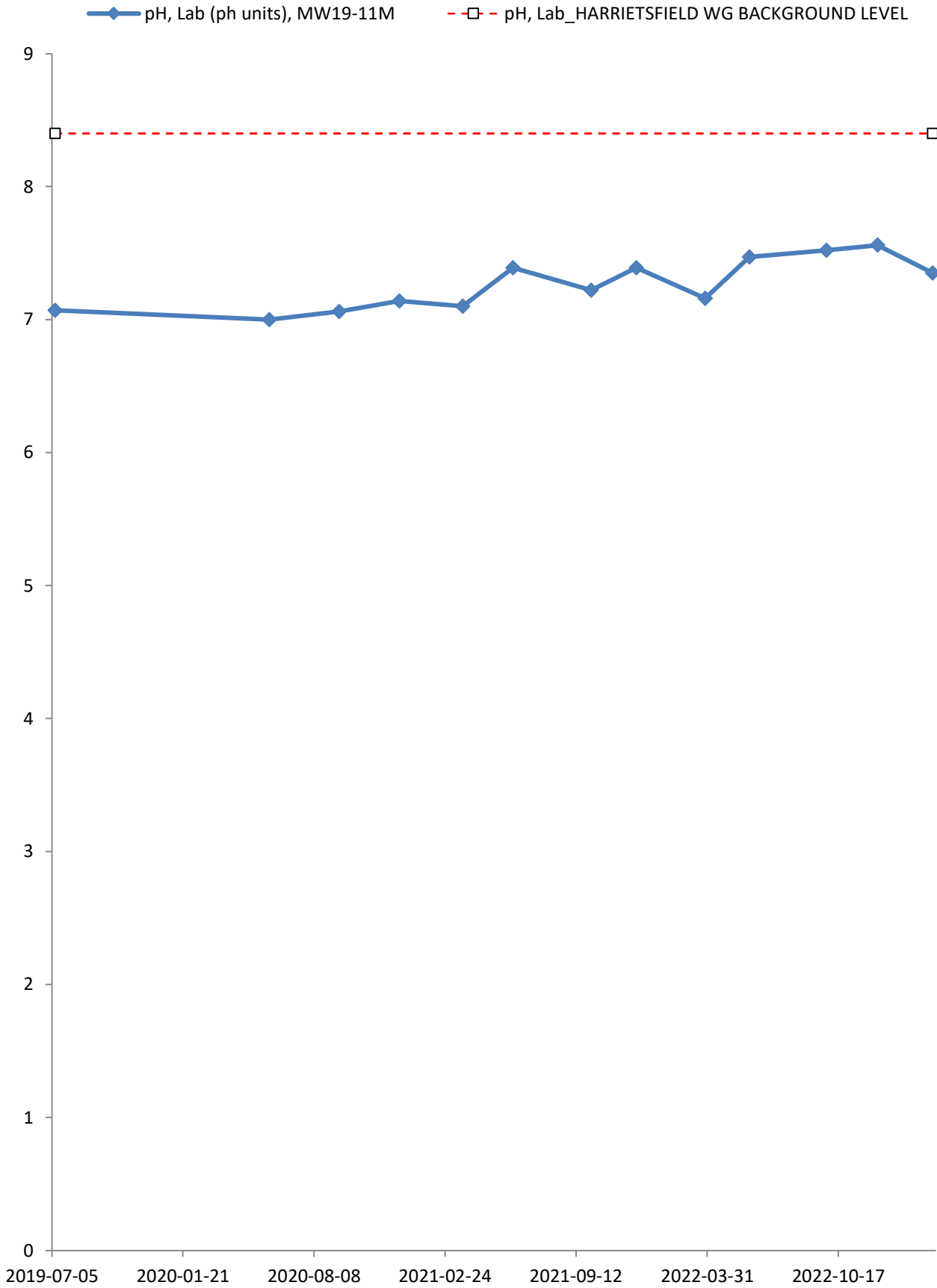
—◆— Nitrate plus Nitrite (N) (mg/l), MW19-11M
- -□- - Nitrate plus Nitrite (N)_HARRIETSFIELD WG BACKGROUND LEVEL

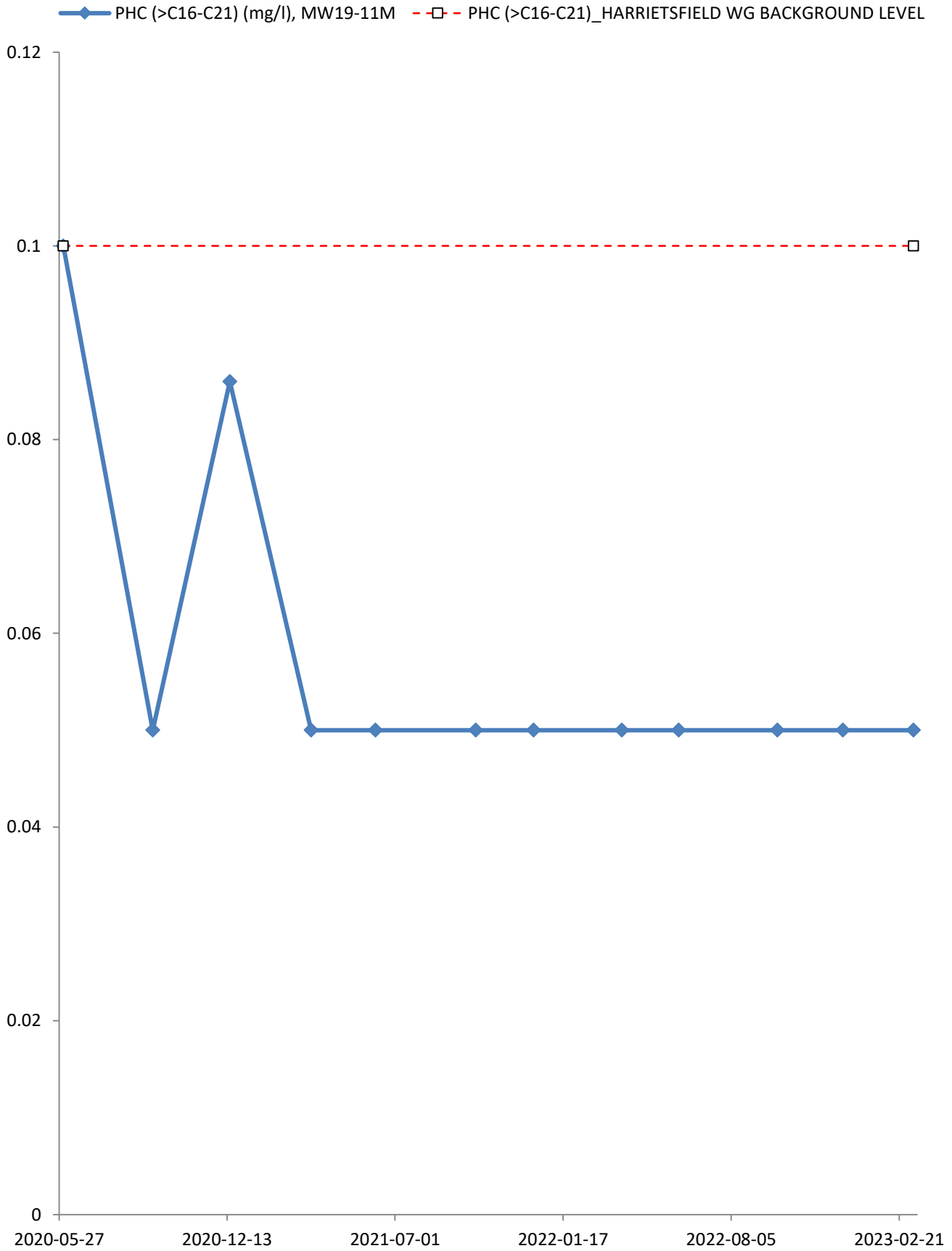


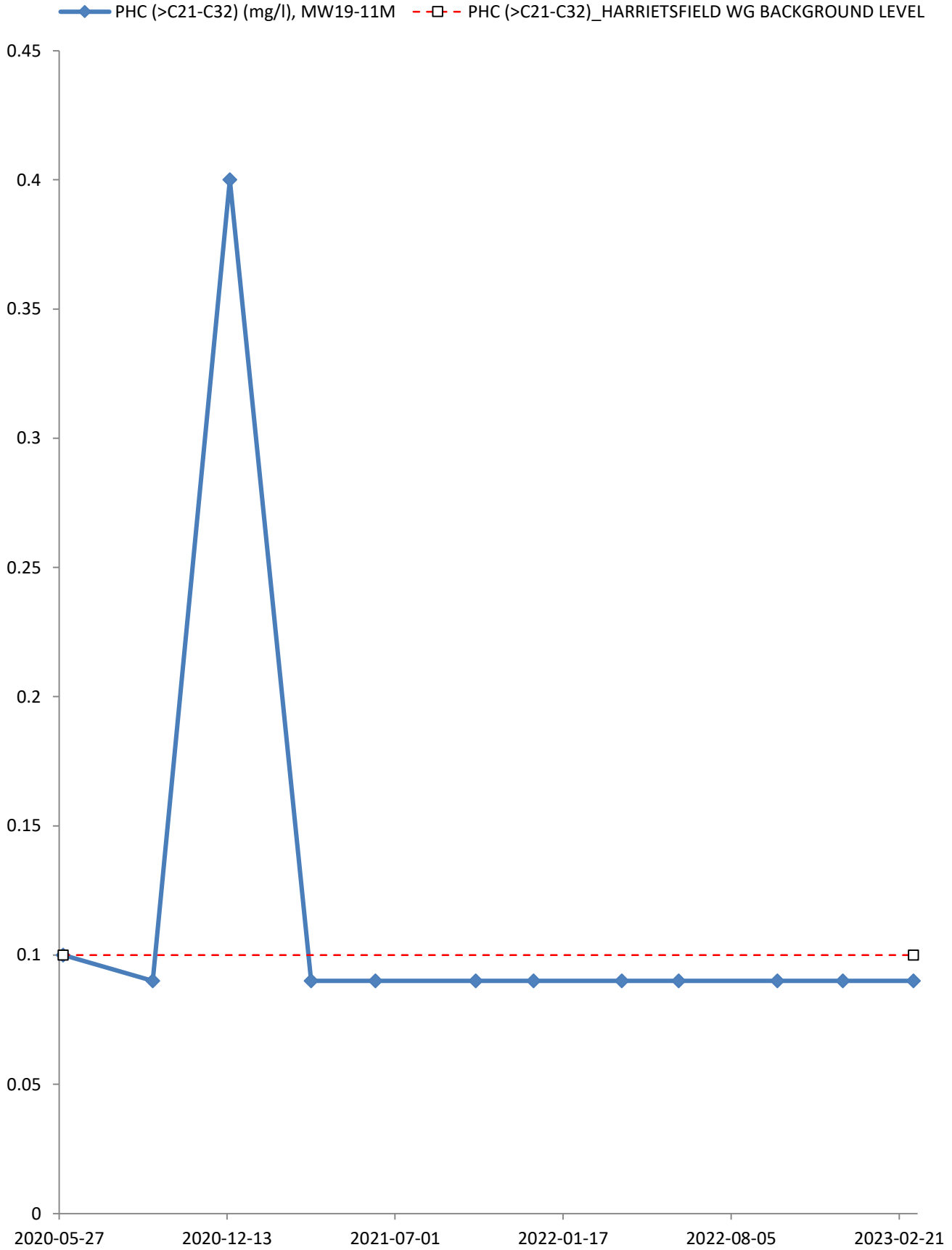


—◆— Orthophosphate(as P) (mg/l), MW19-11M
- -□- - Orthophosphate(as P)_HARRIETSFIELD WG BACKGROUND LEVEL

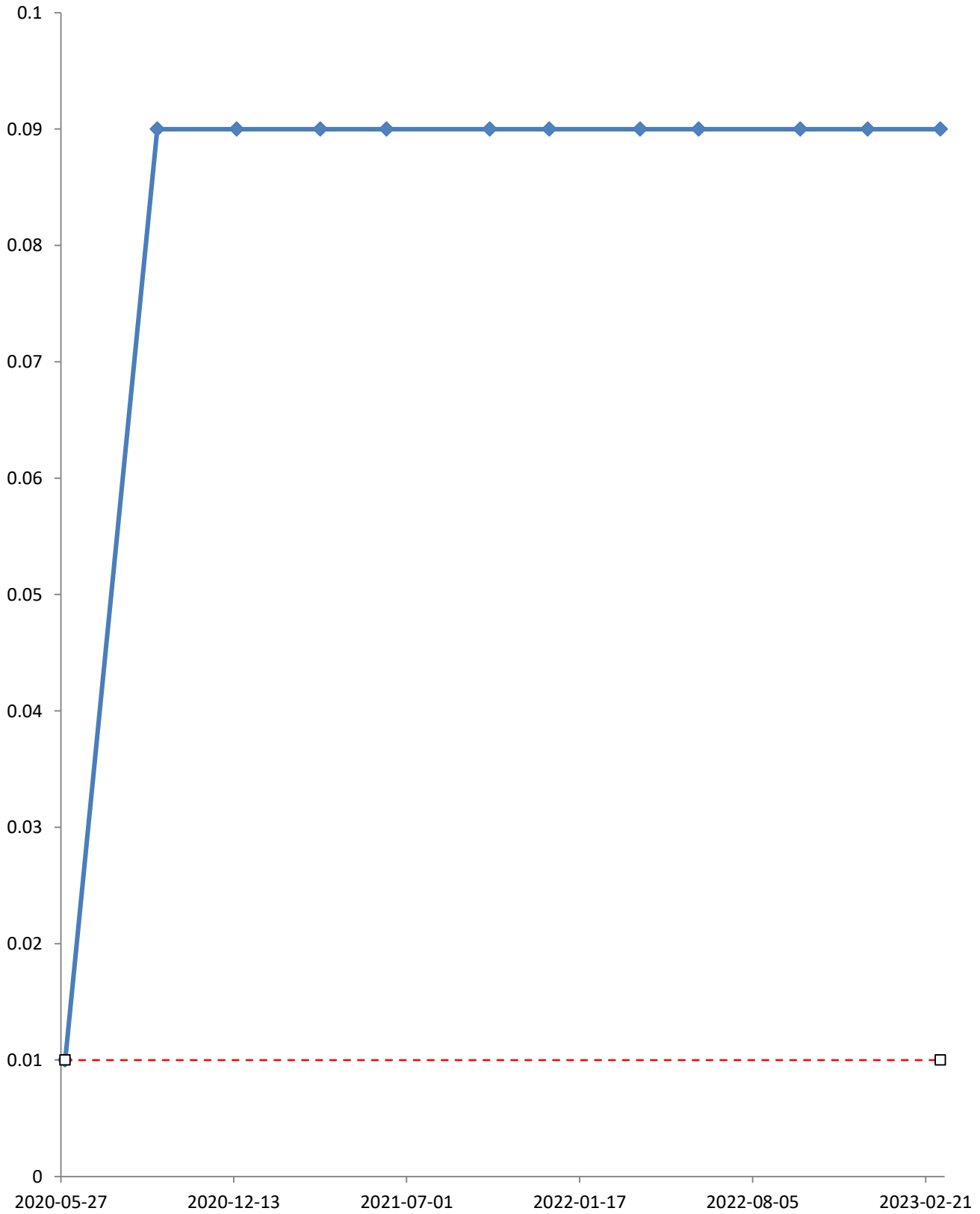




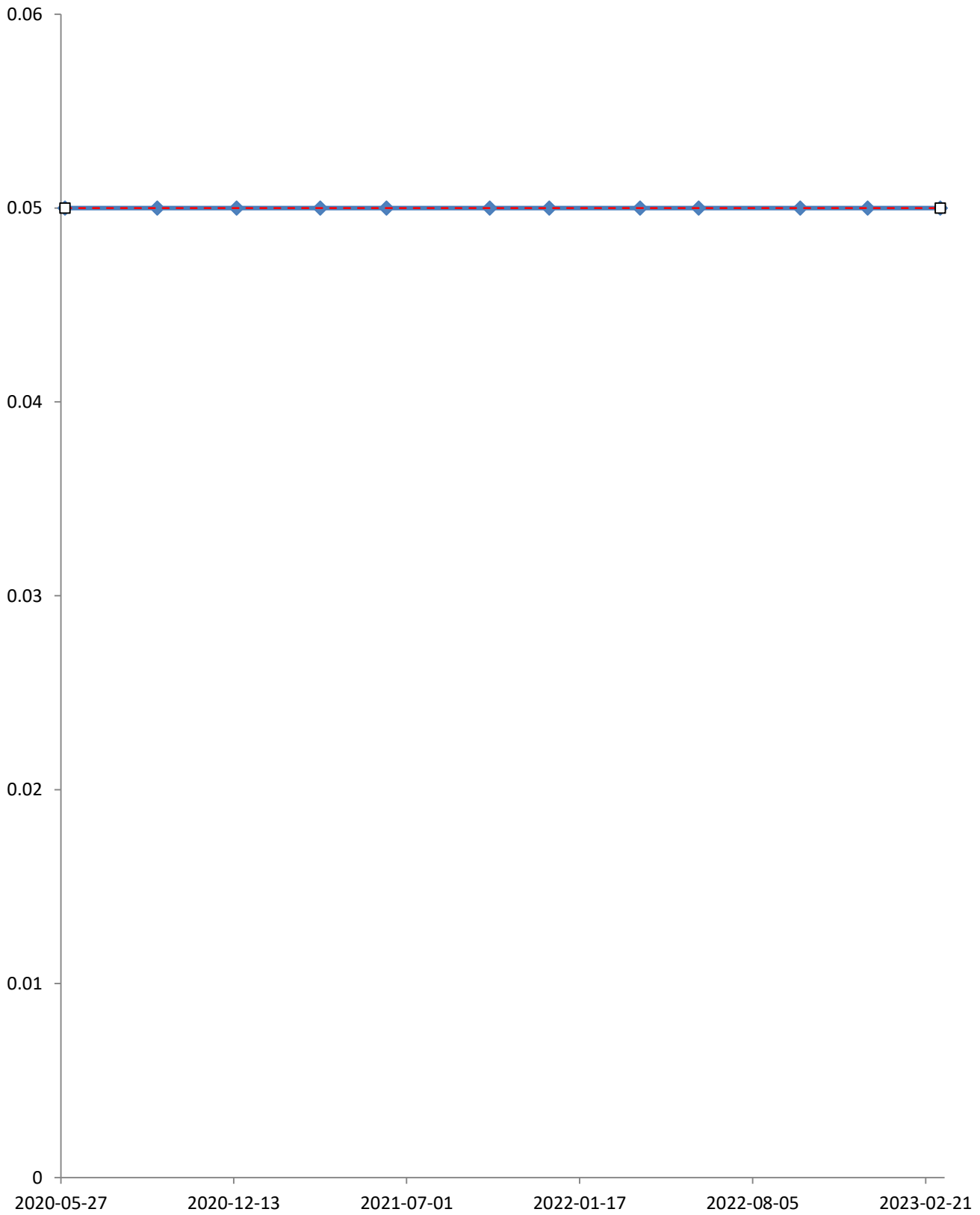


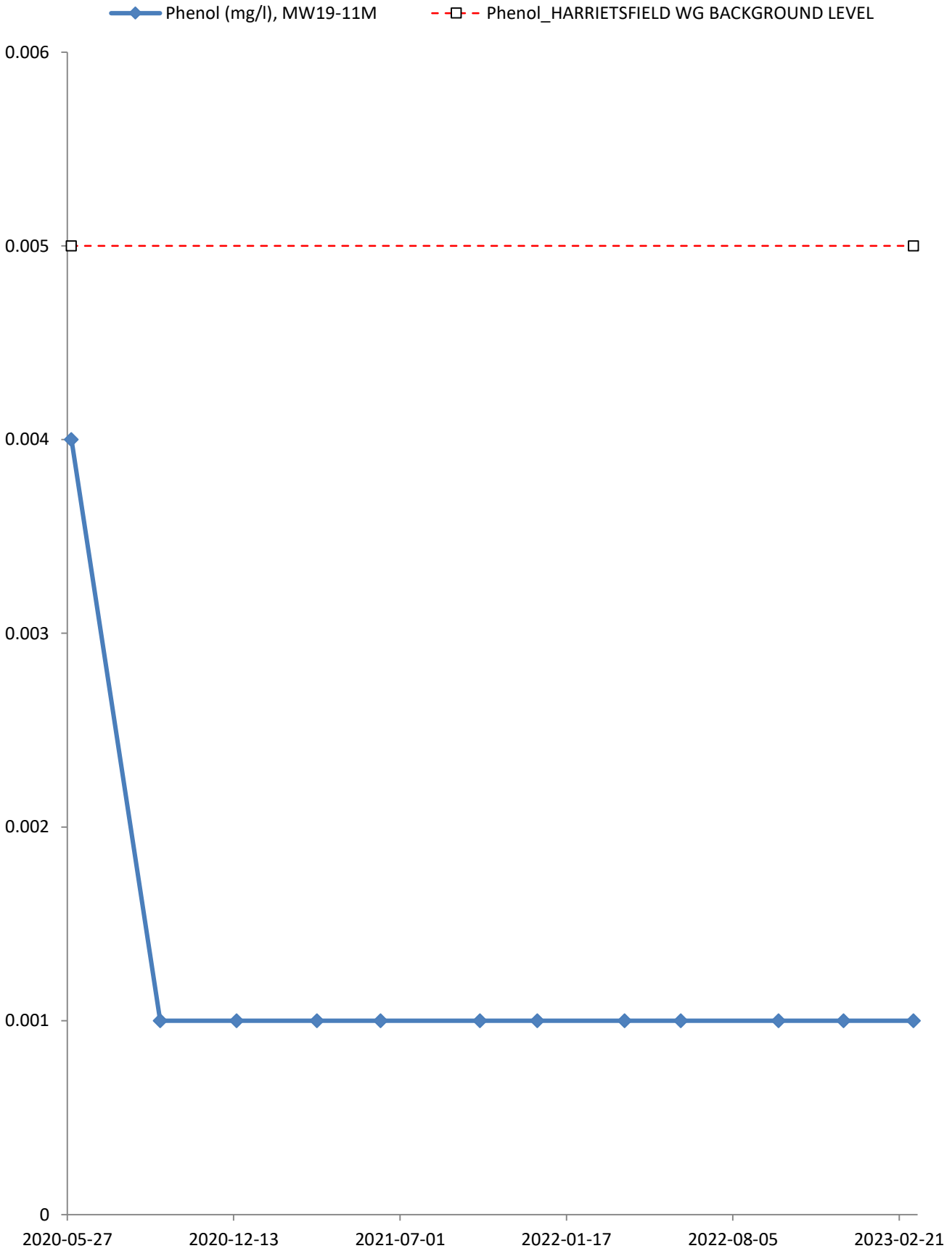


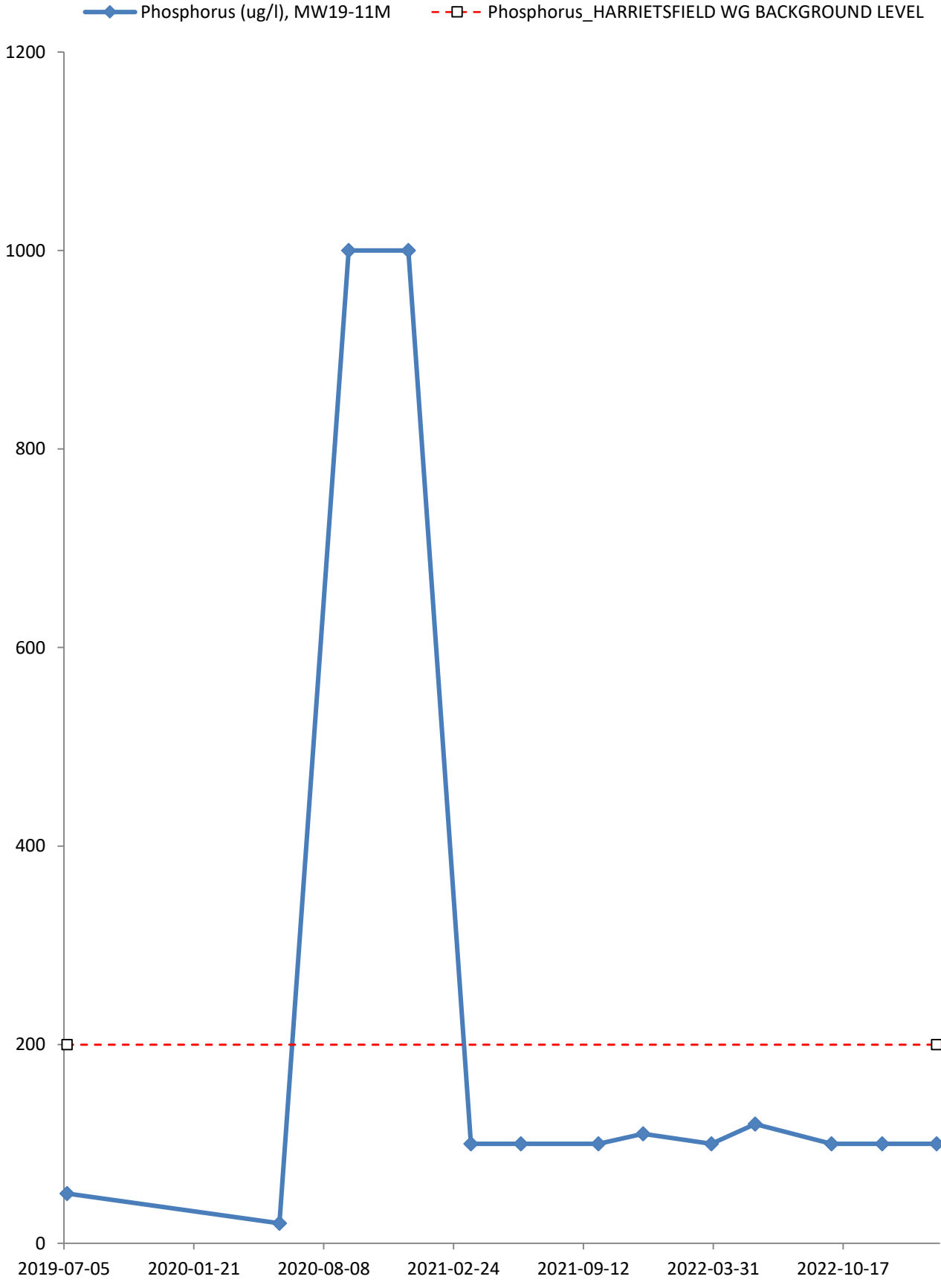
—◆— PHC F1 (C6-C10) min BTEX (mg/l), MW19-11M
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WG BACKGROUND LEVEL

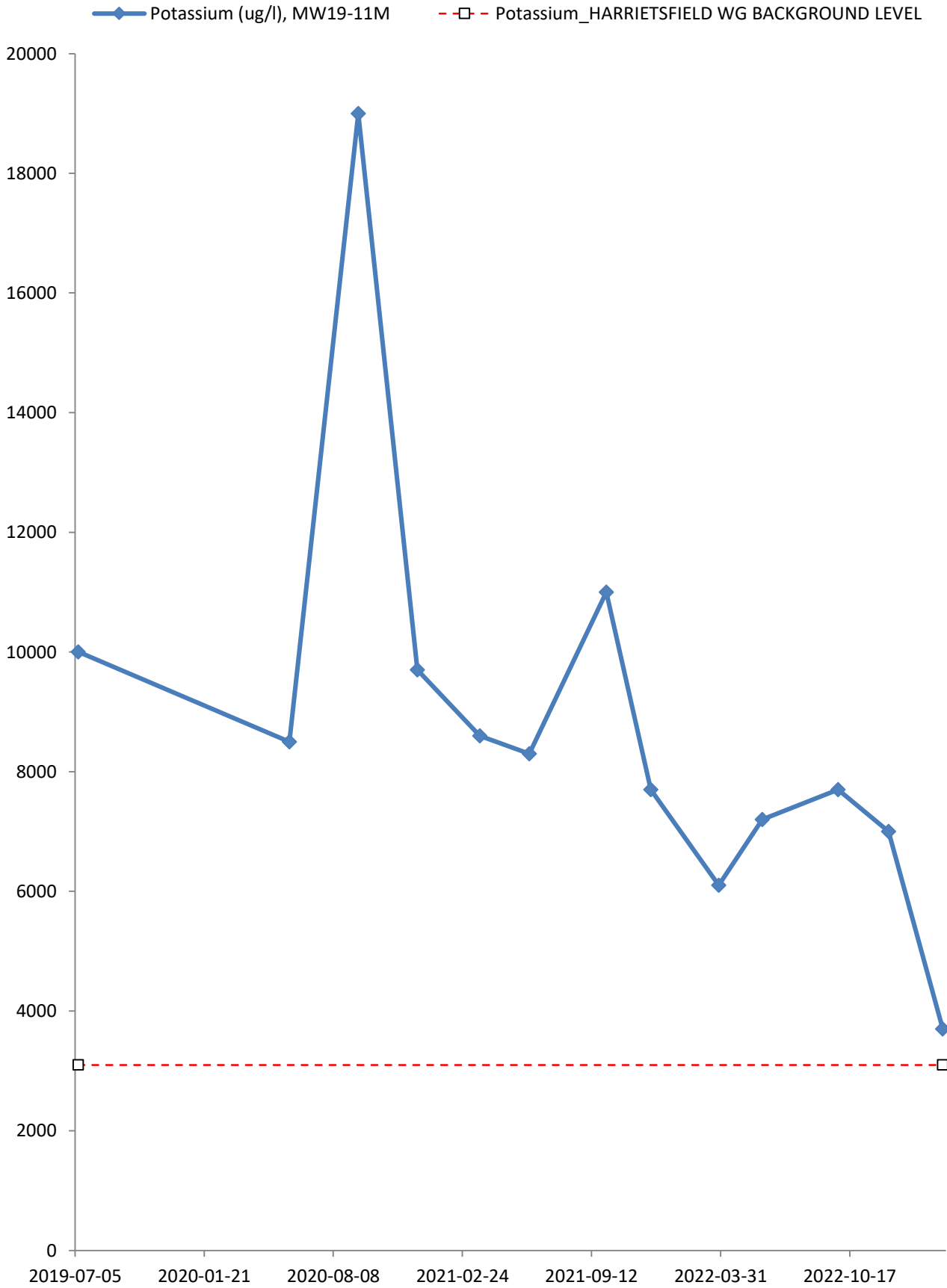


—◆— PHC F2 (>C10-C16) (mg/l), MW19-11M
- -□- - PHC F2 (>C10-C16)_HARRIETSFIELD WG BACKGROUND LEVEL

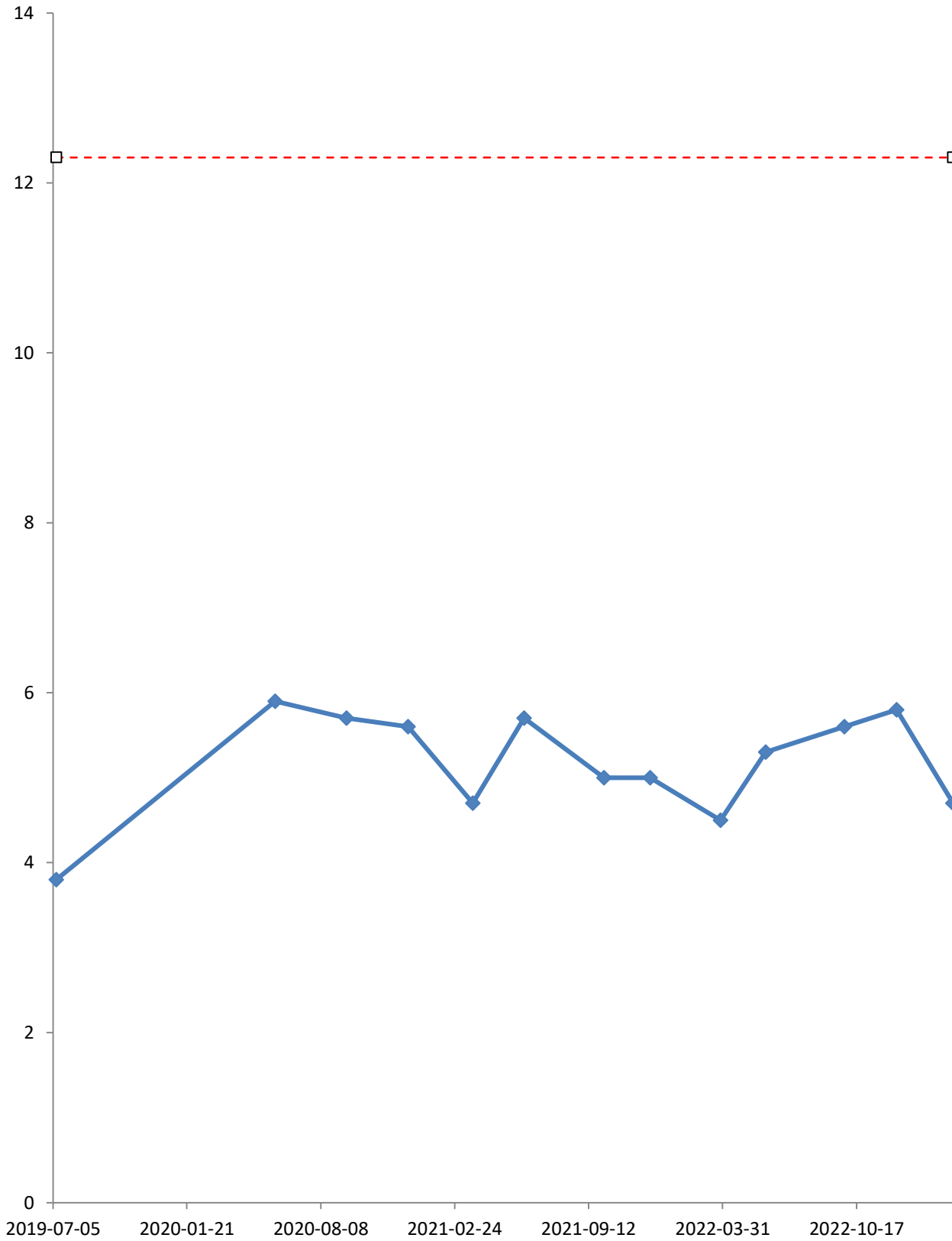




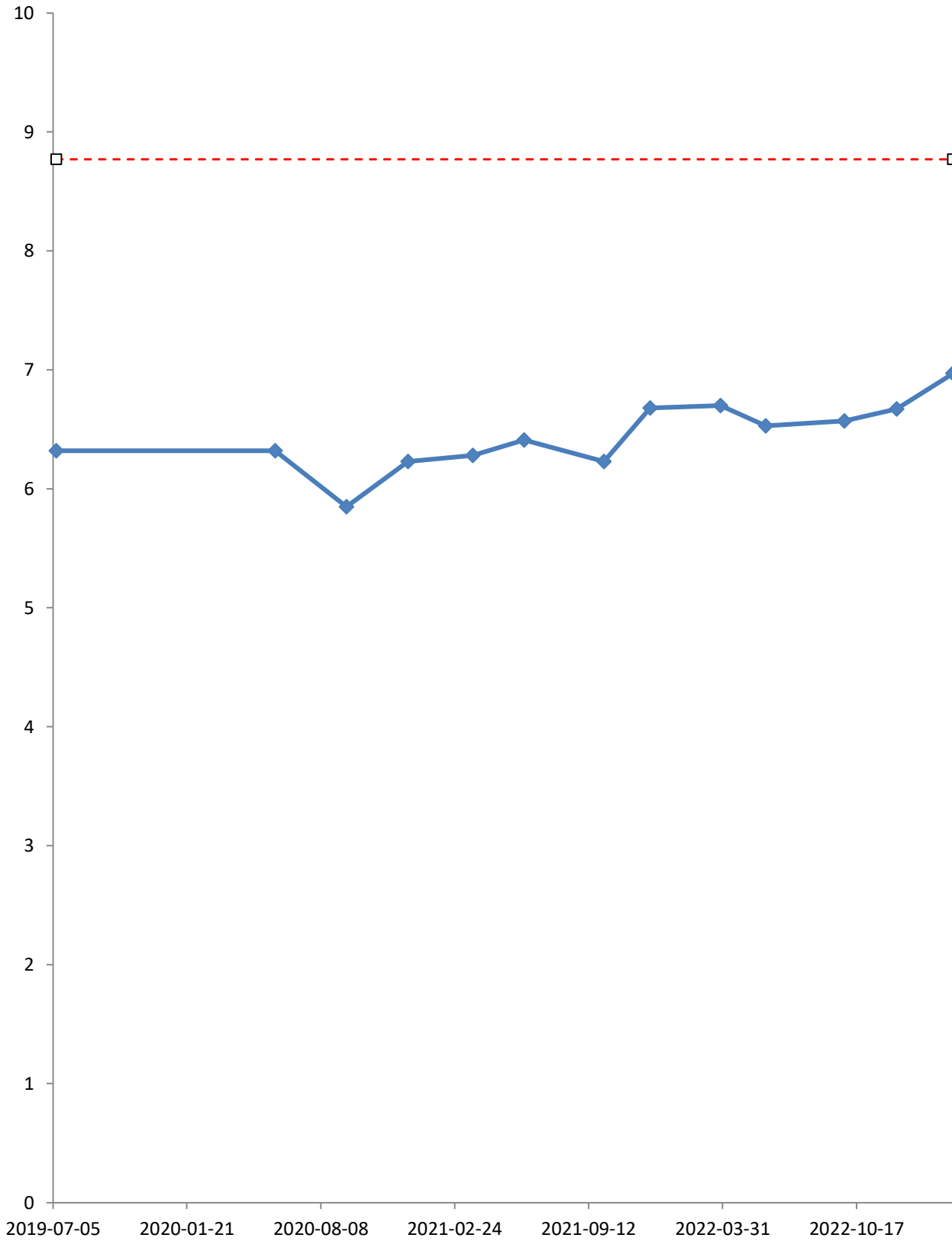


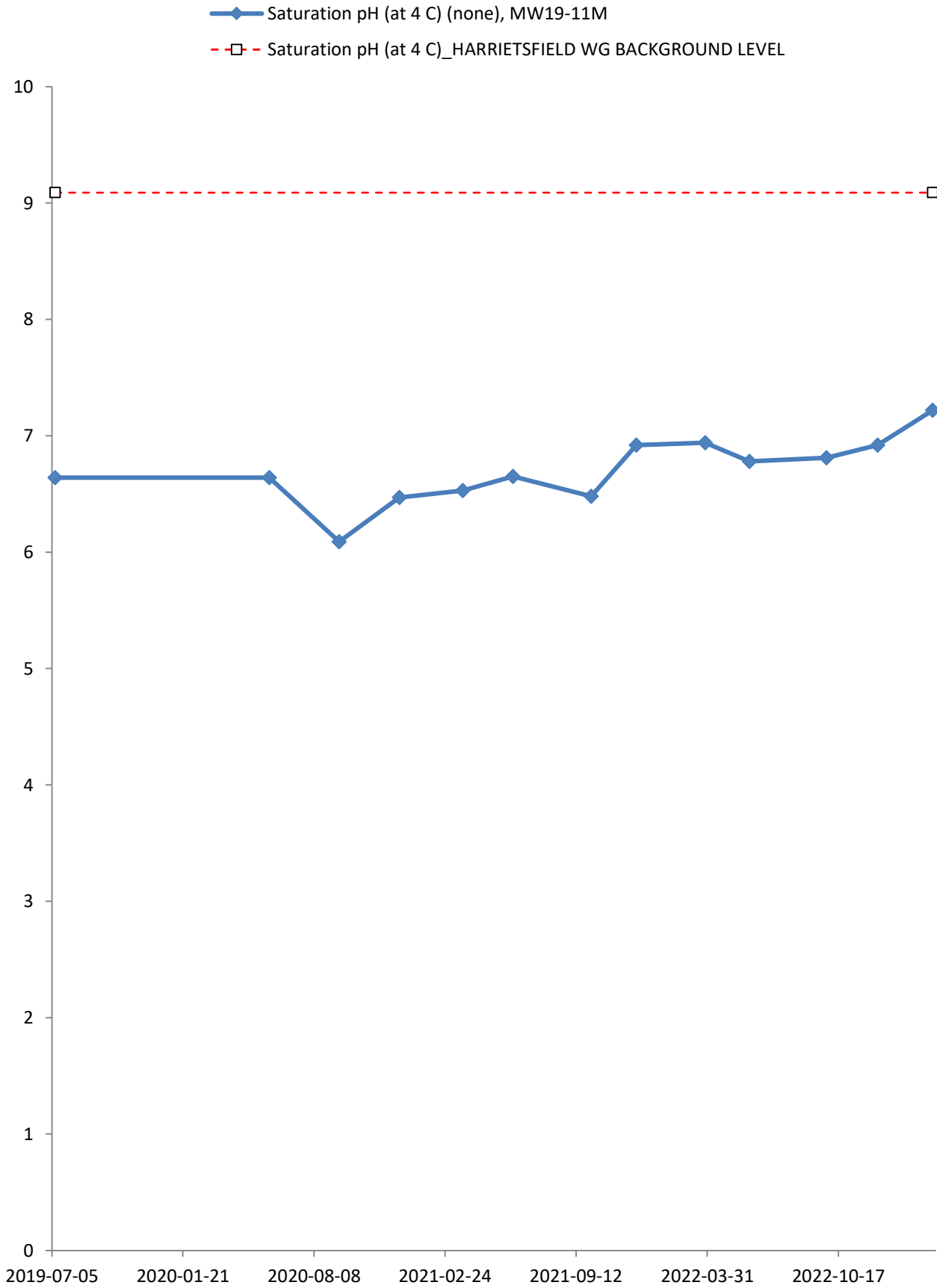


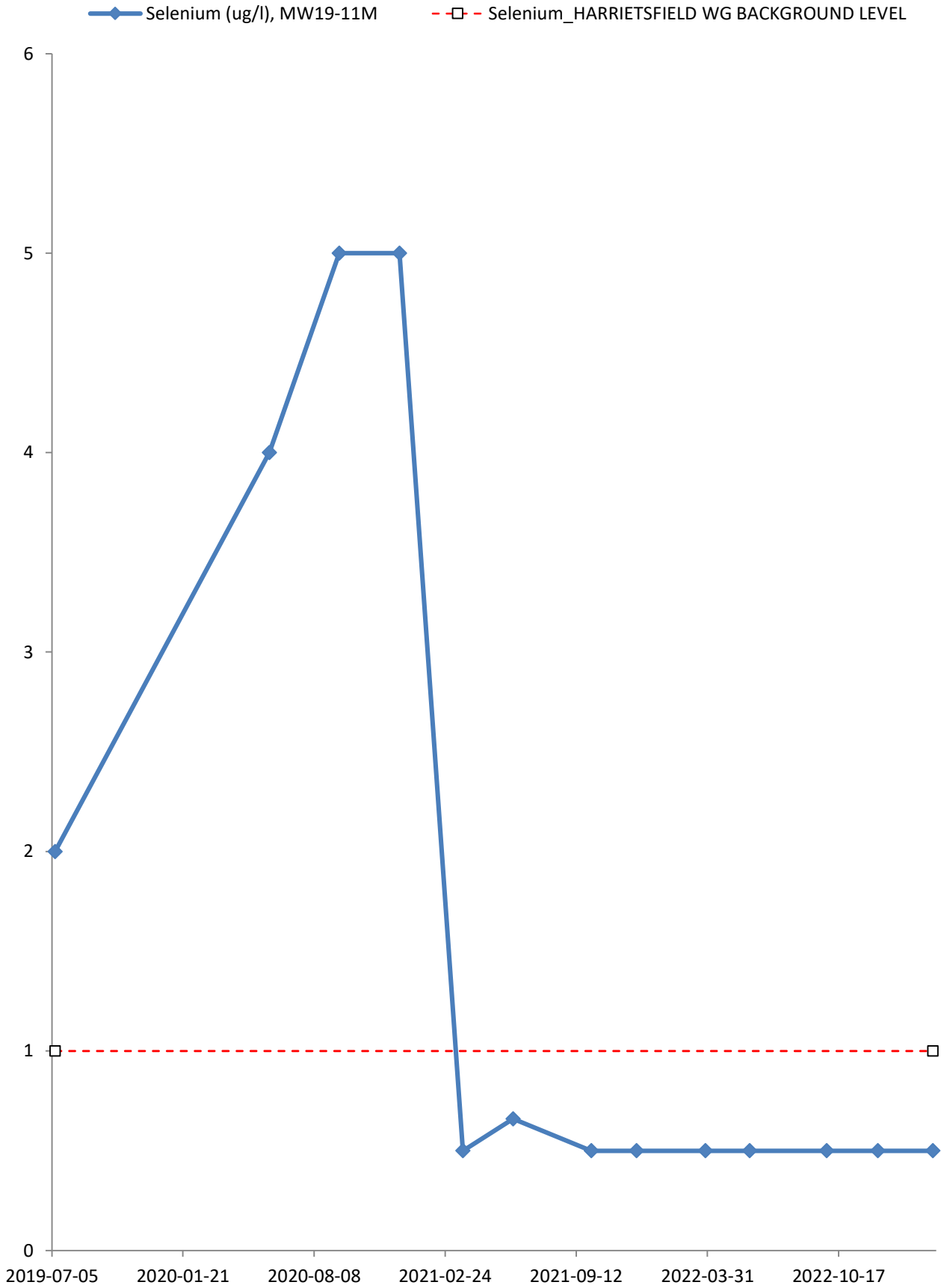
◆ Reactive Silica (SiO₂) (mg/l), MW19-11M
-□- Reactive Silica (SiO₂)_HARRIETSFIELD WG BACKGROUND LEVEL

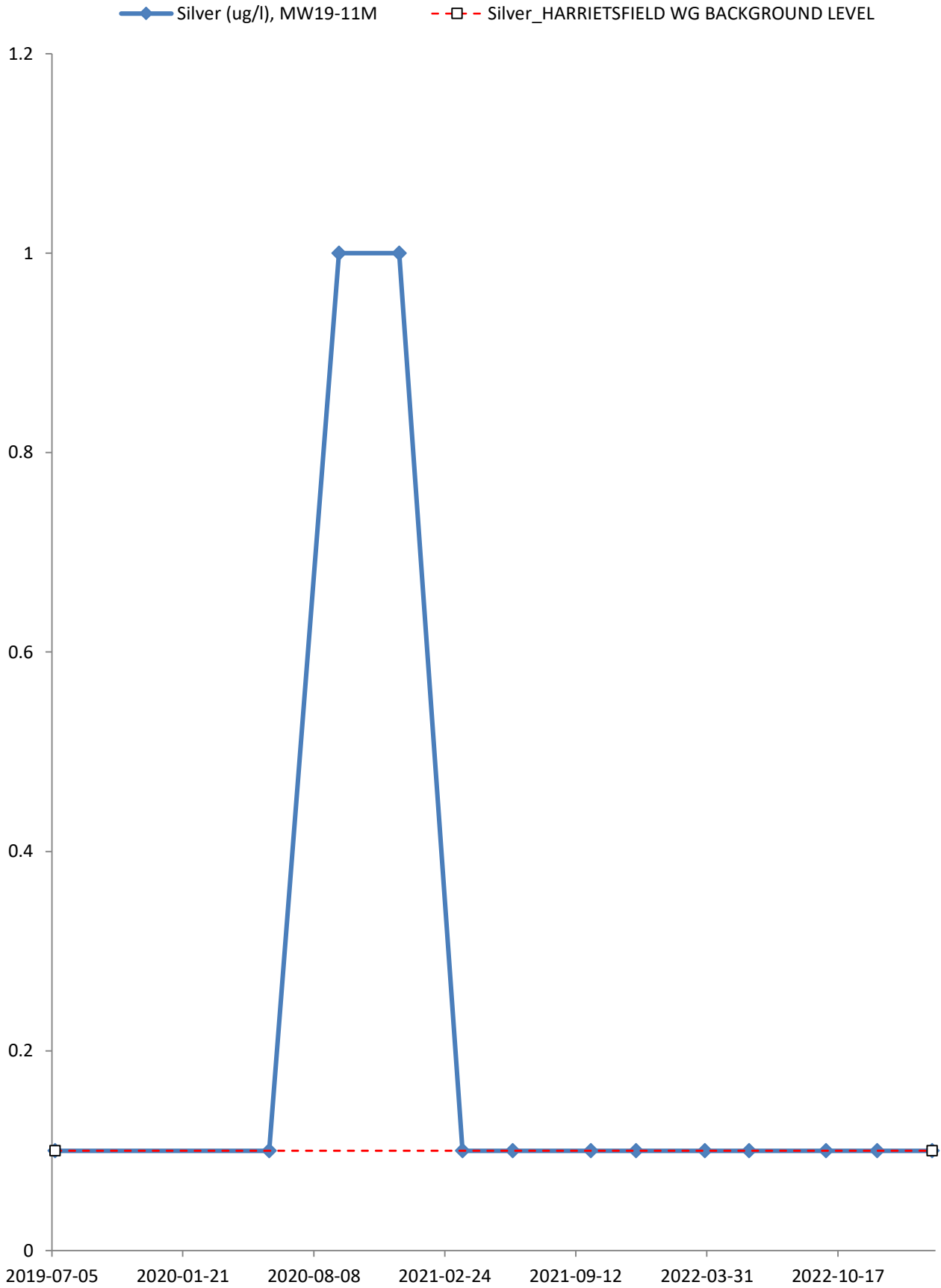


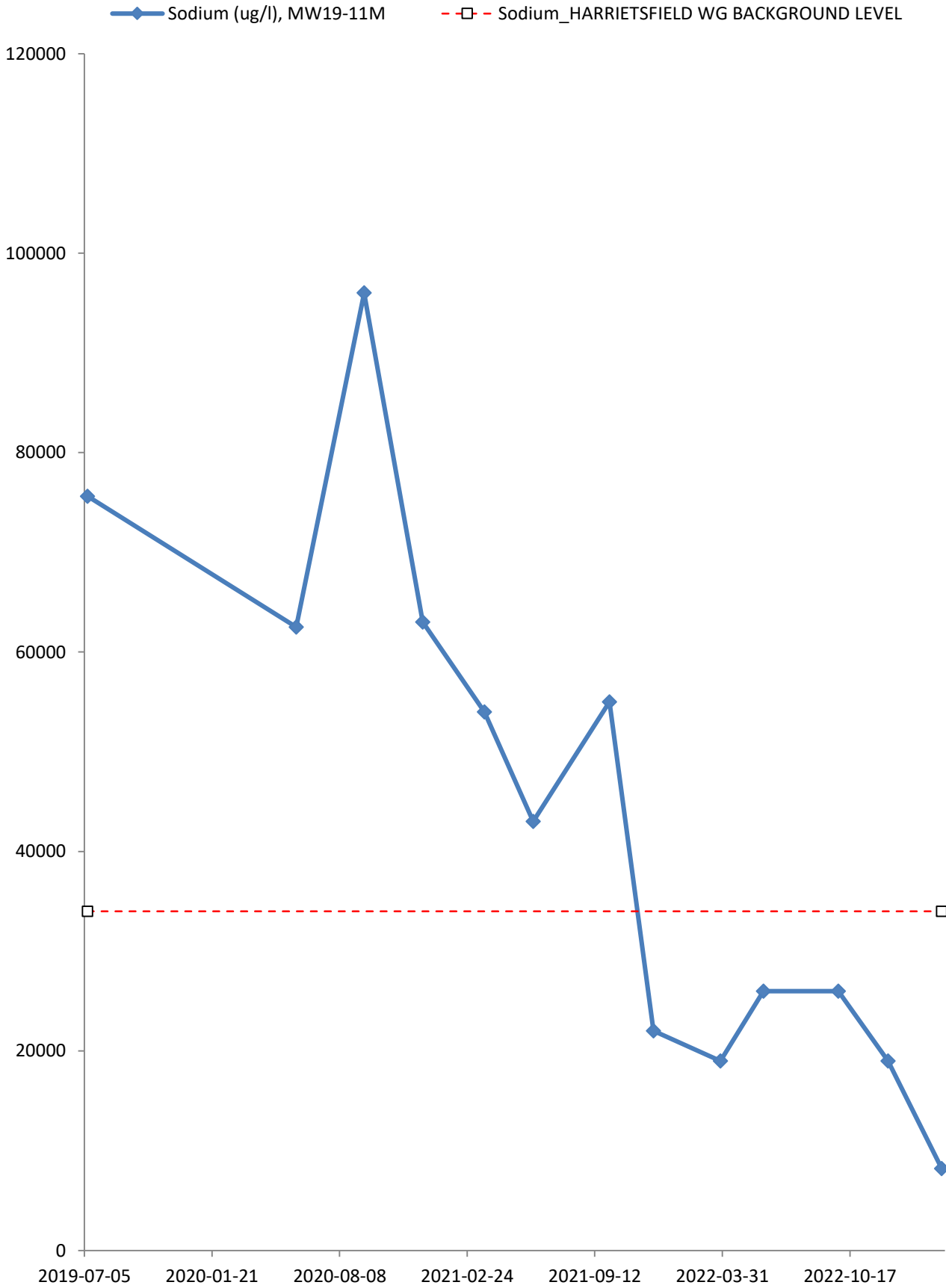
—◆— Saturation pH (at 20 C) (none), MW19-11M
- -□- - Saturation pH (at 20 C)_HARRIETSFIELD WG BACKGROUND LEVEL

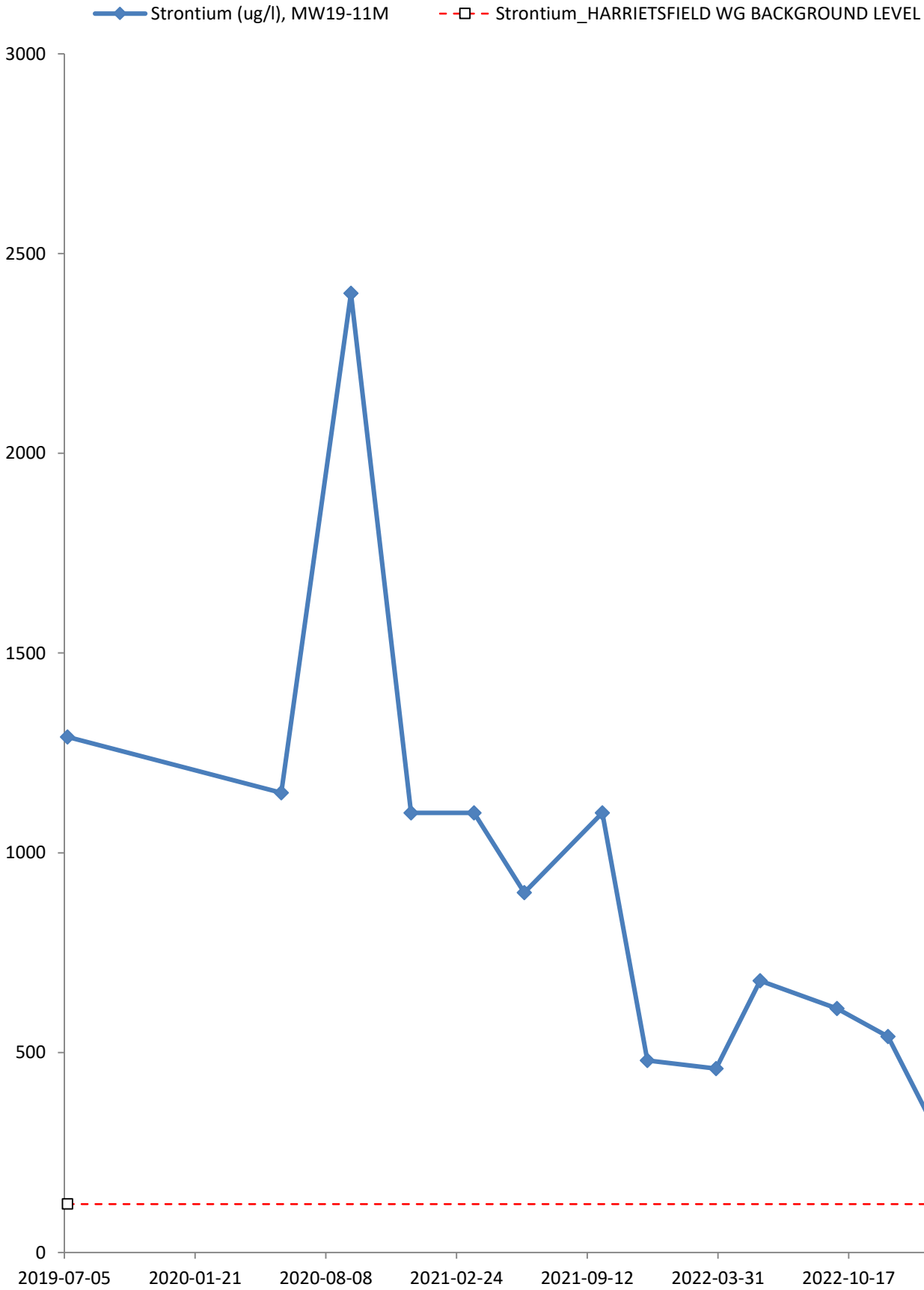


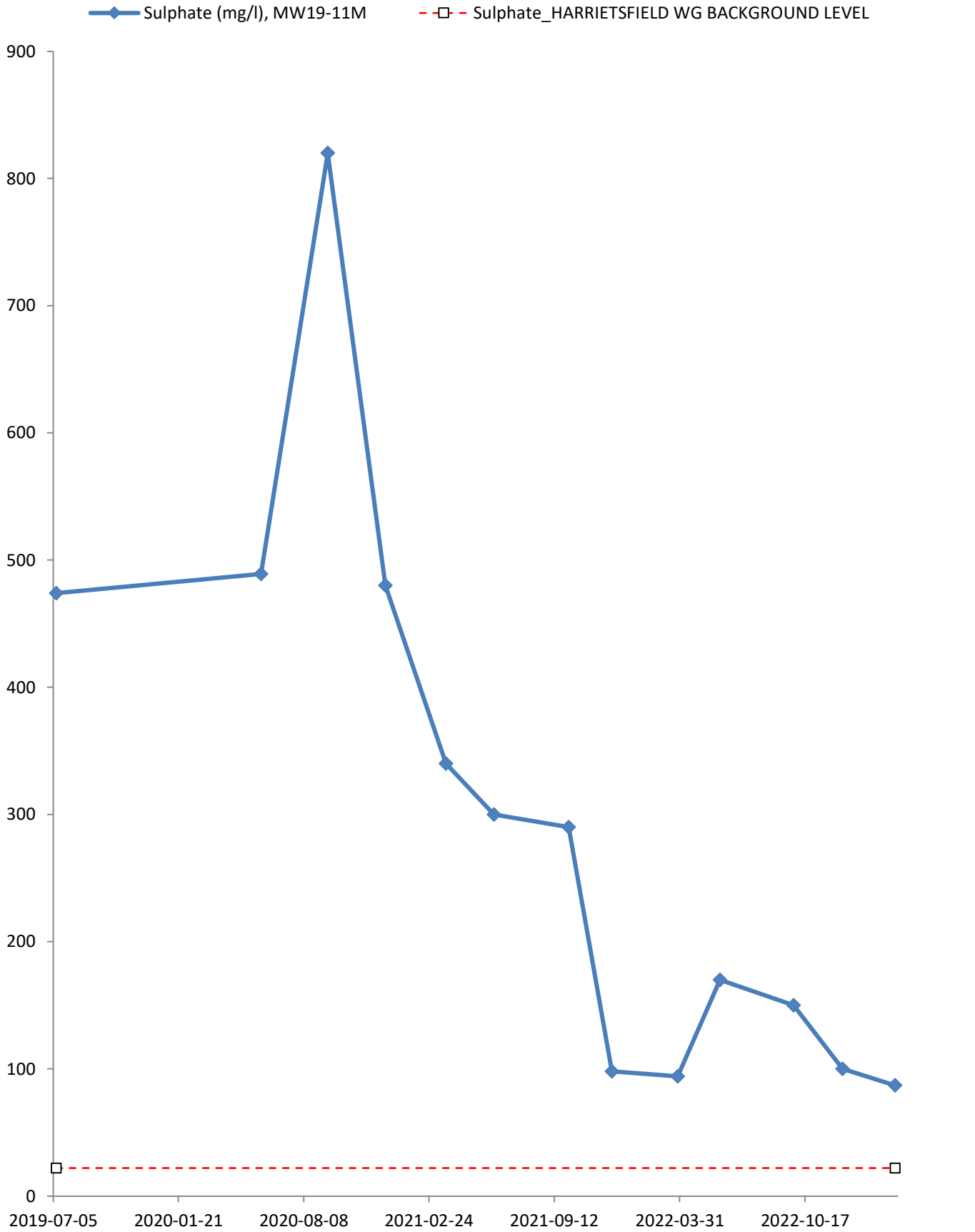


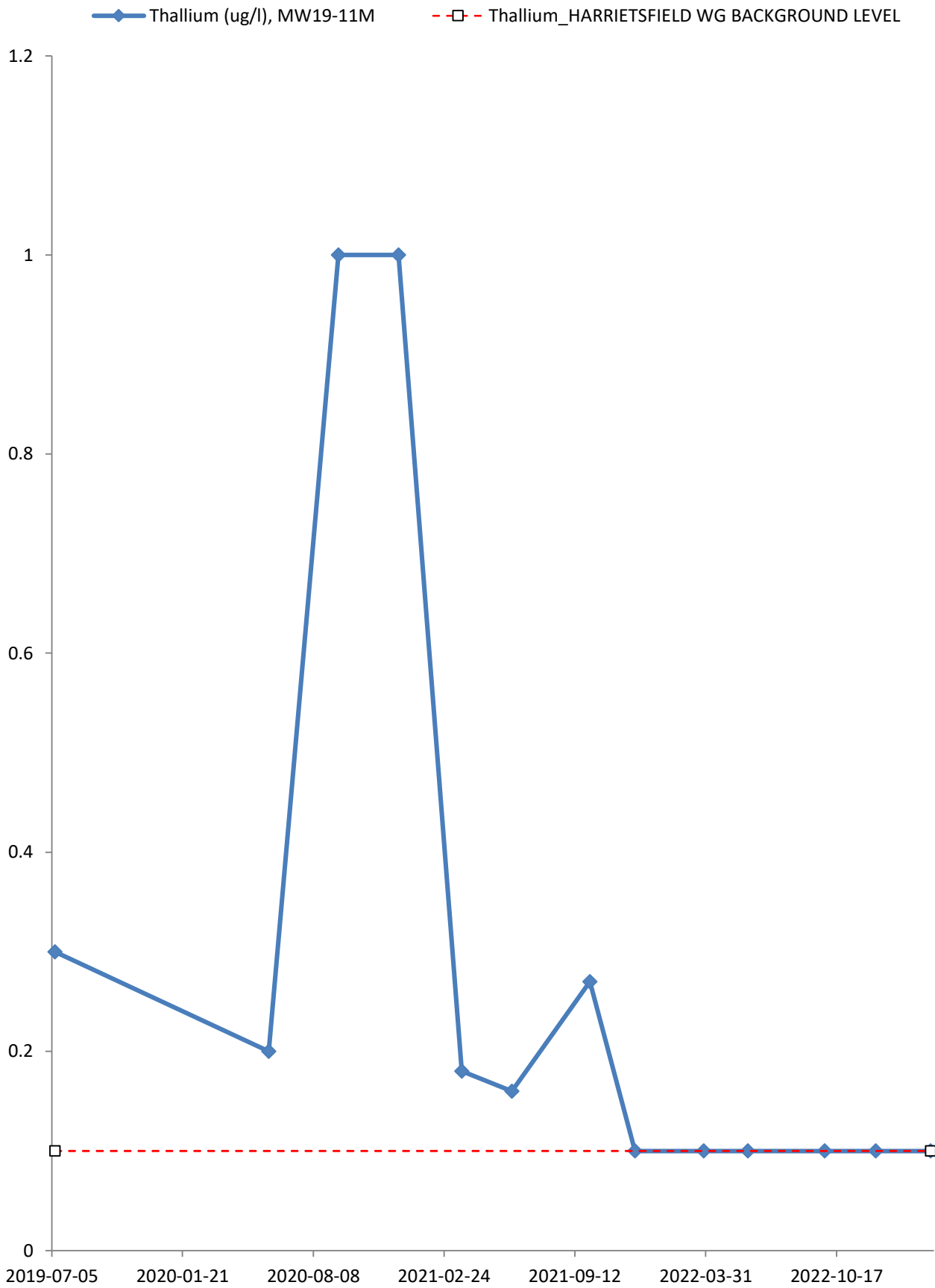


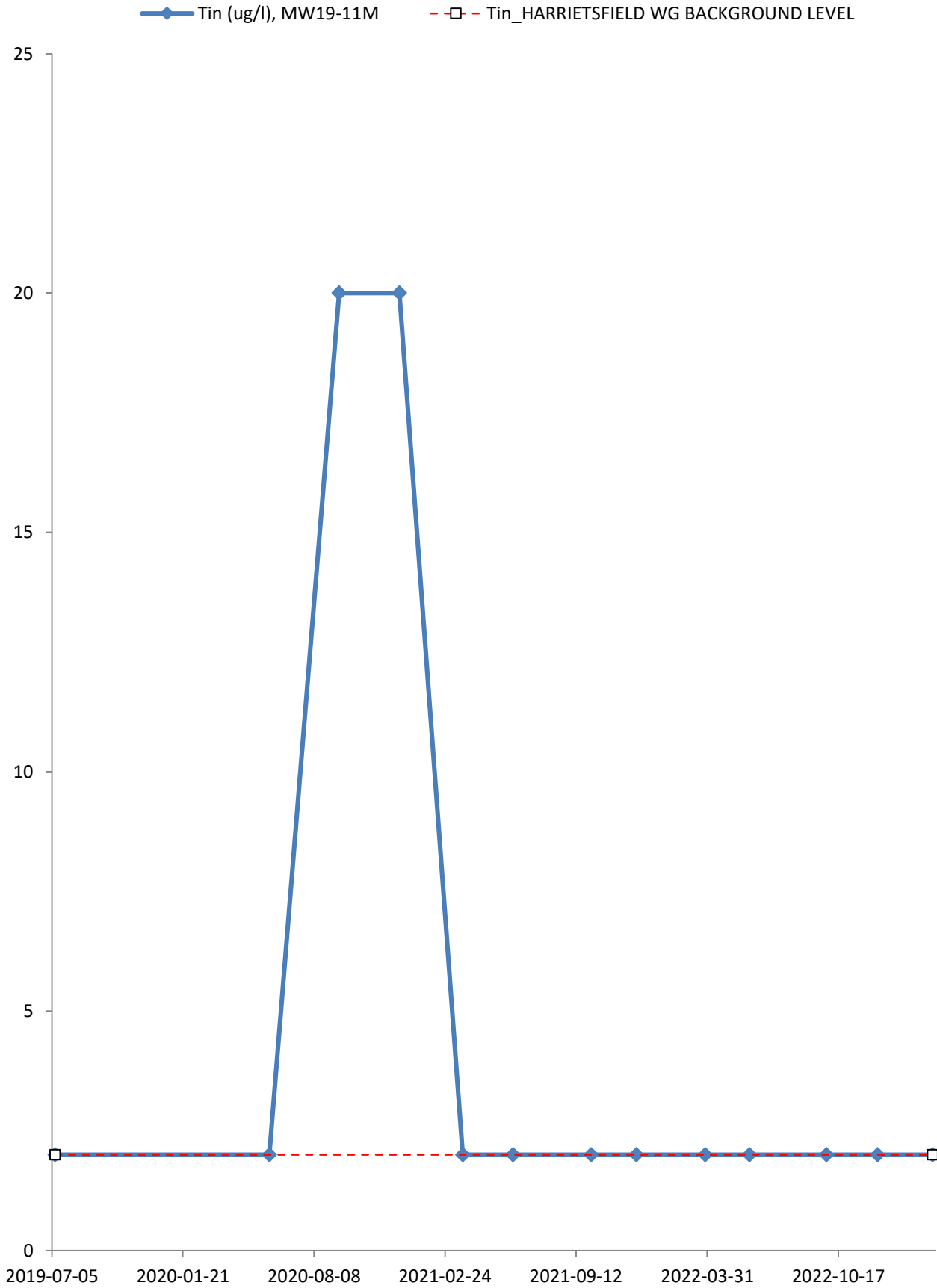


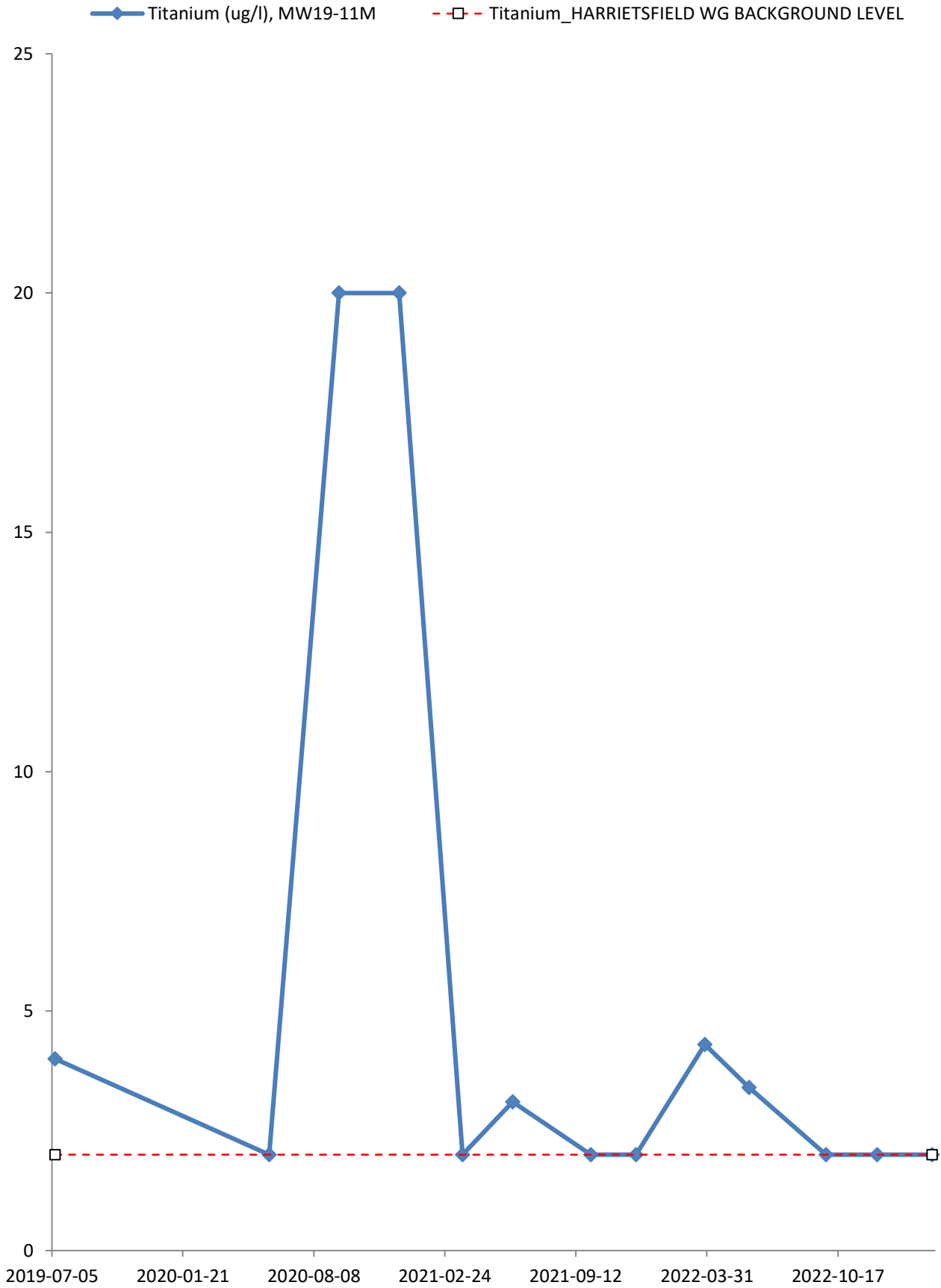


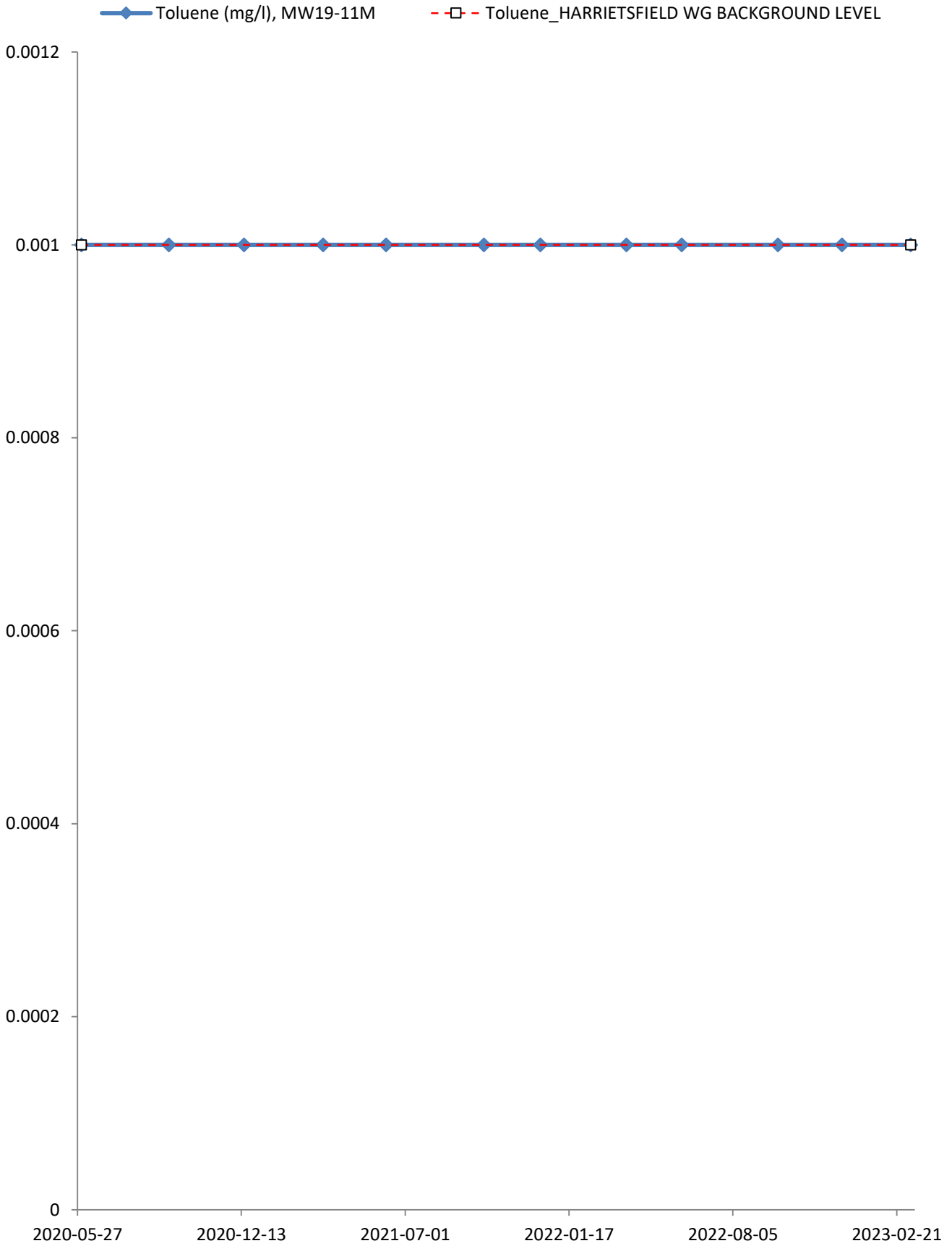




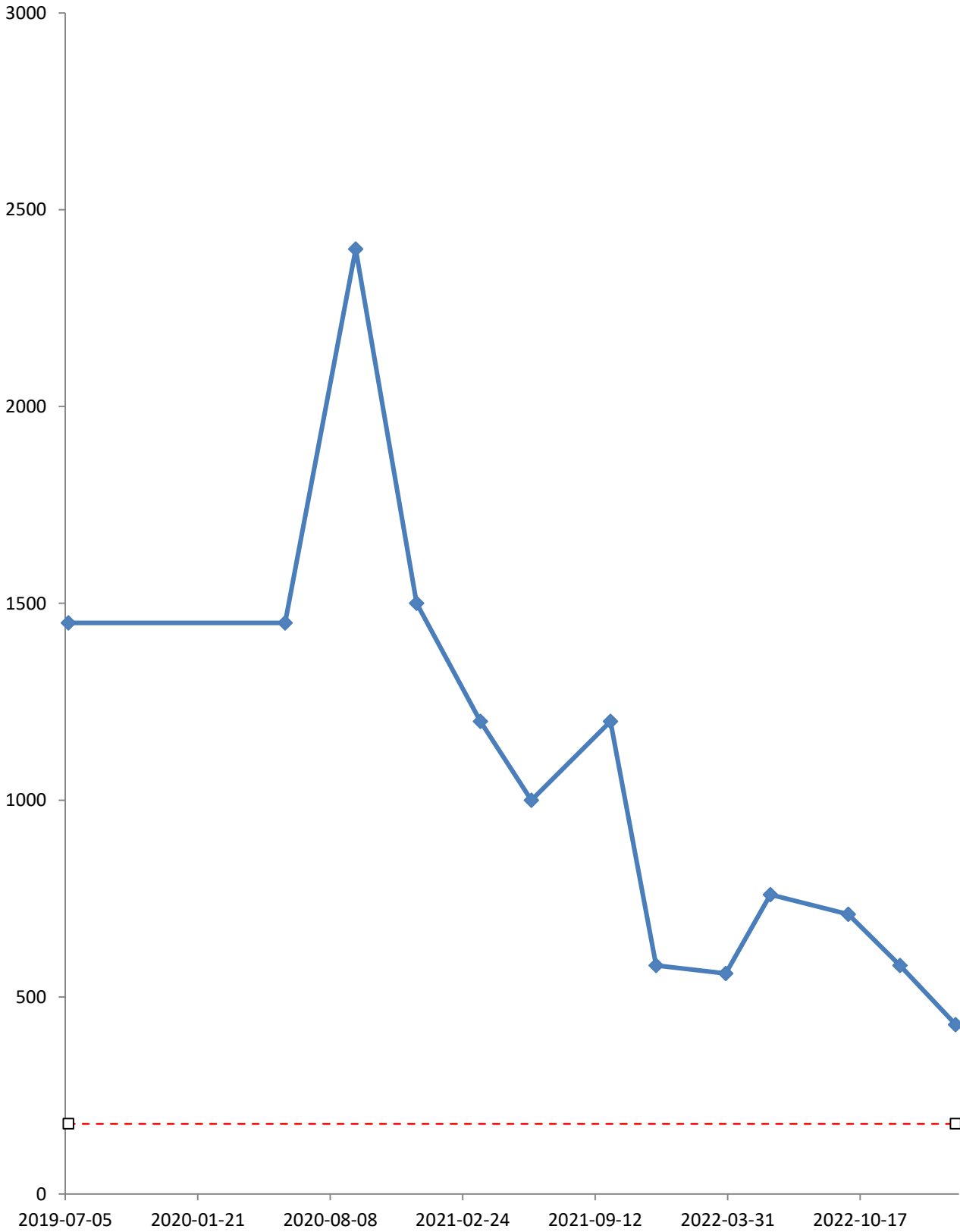




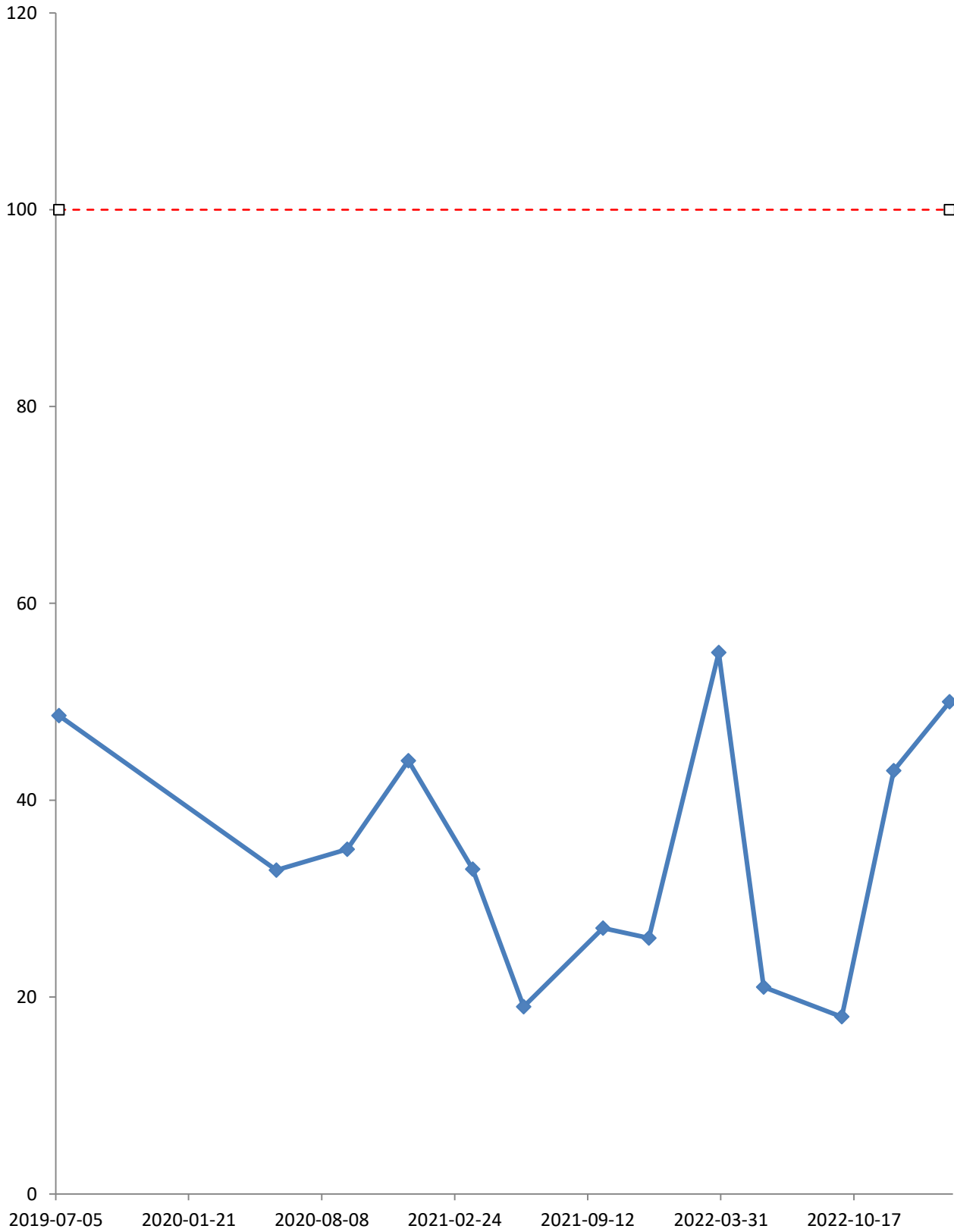




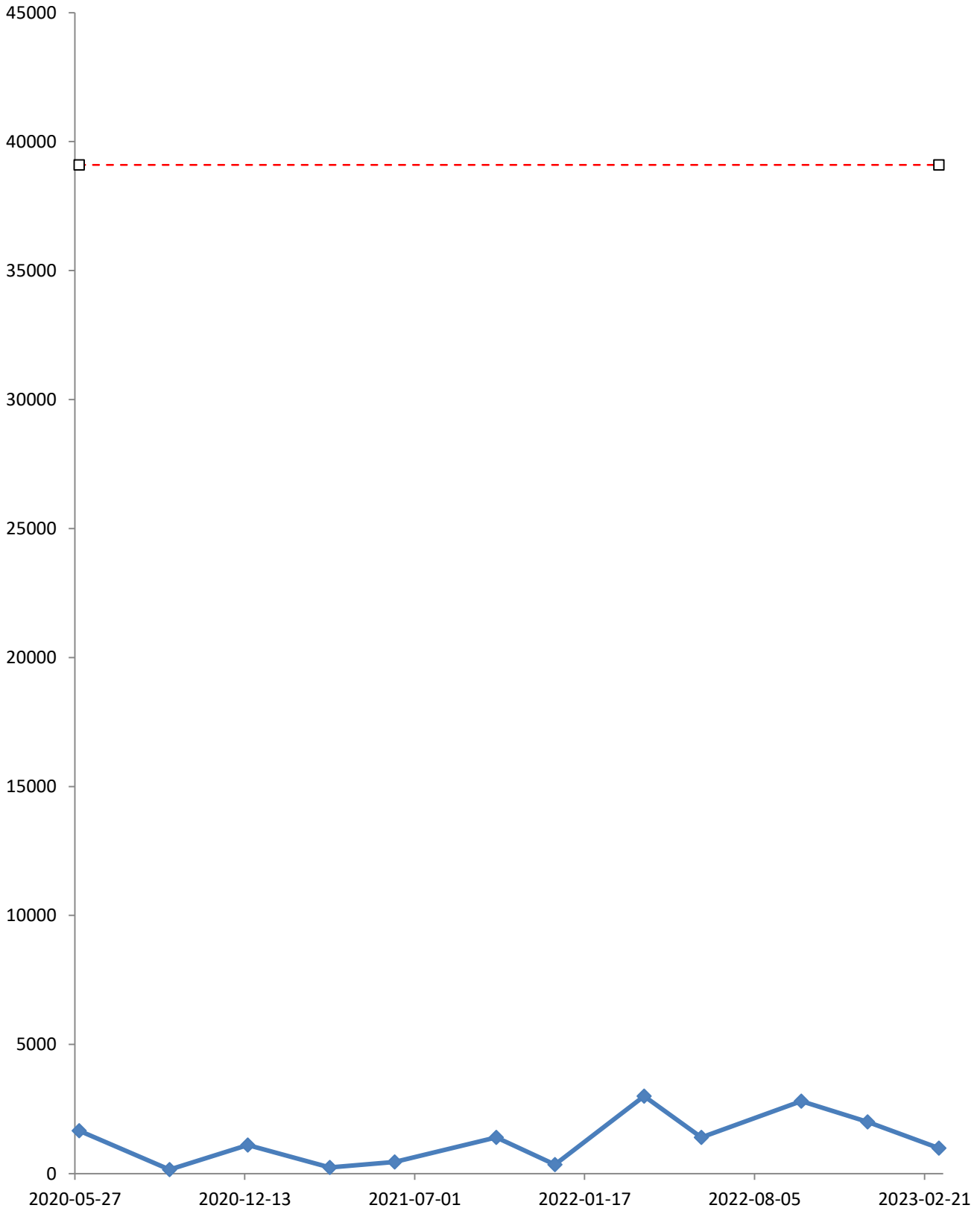
—◆— Total Diss Solids (Lab) (mg/l), MW19-11M
- -□- - Total Diss Solids (Lab)_HARRIETSFIELD WG BACKGROUND LEVEL

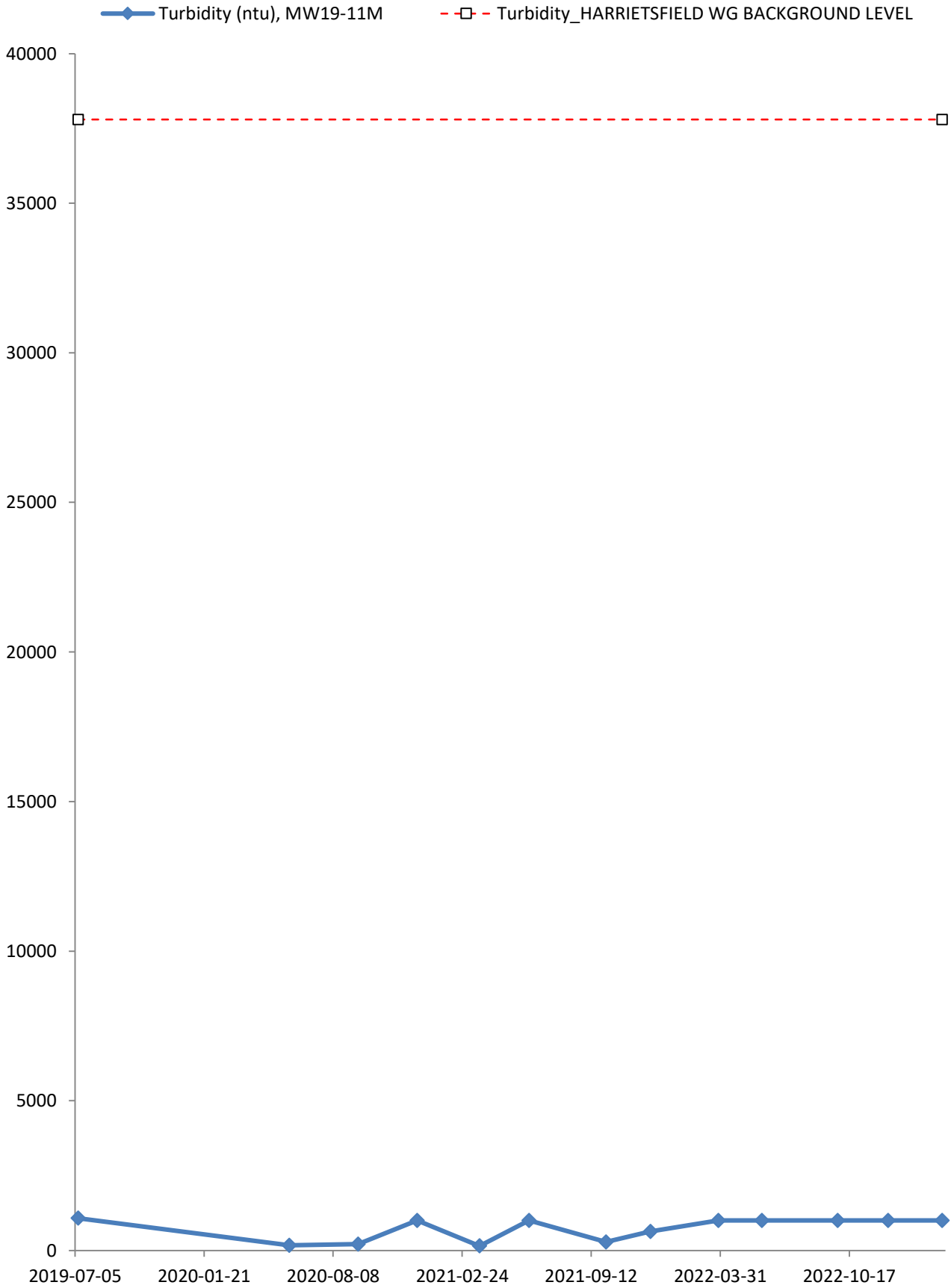


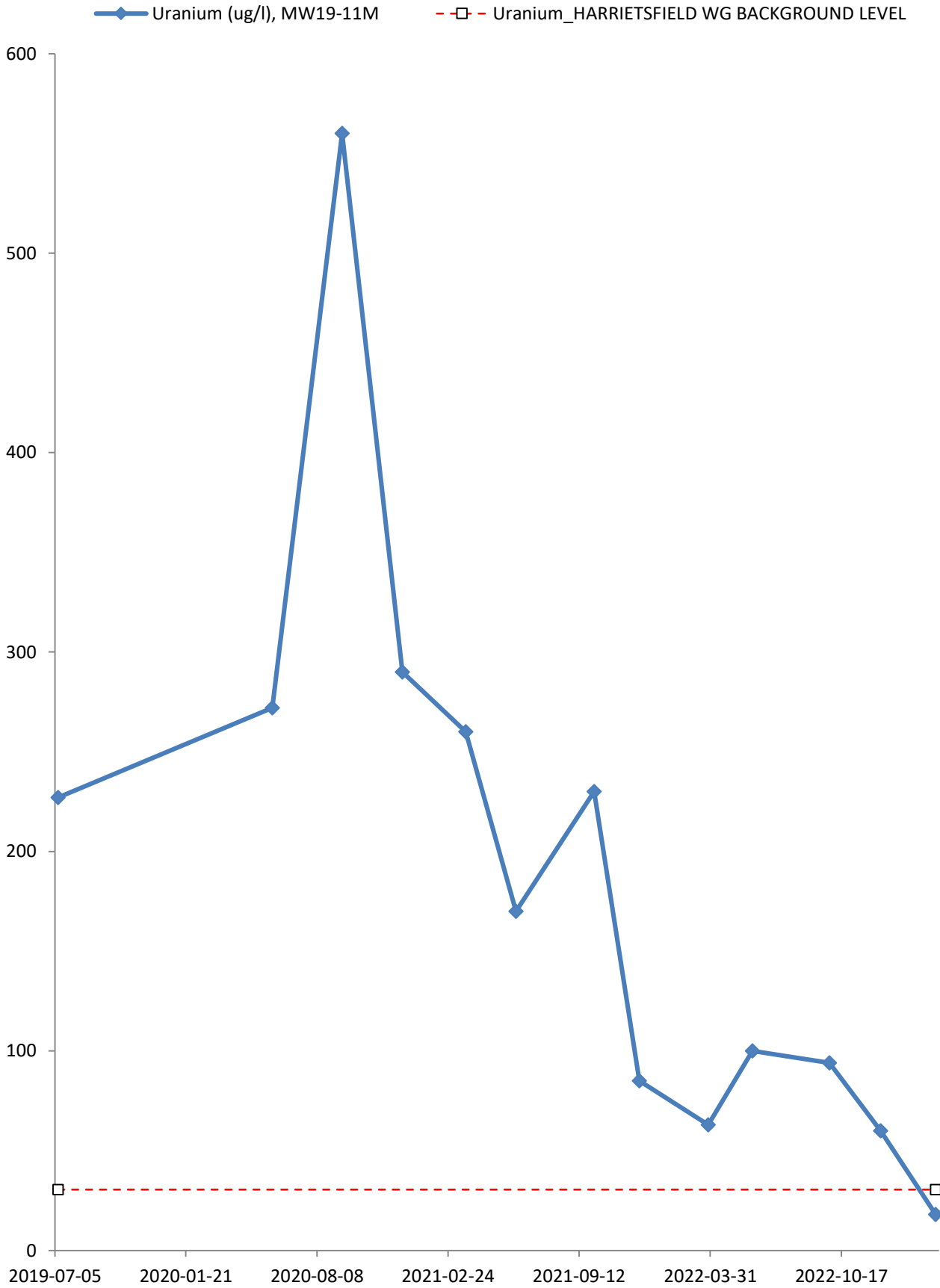
—◆— Total Organic Carbon (mg/l), MW19-11M
- - □ - - Total Organic Carbon_HARRIETSFIELD WG BACKGROUND LEVEL

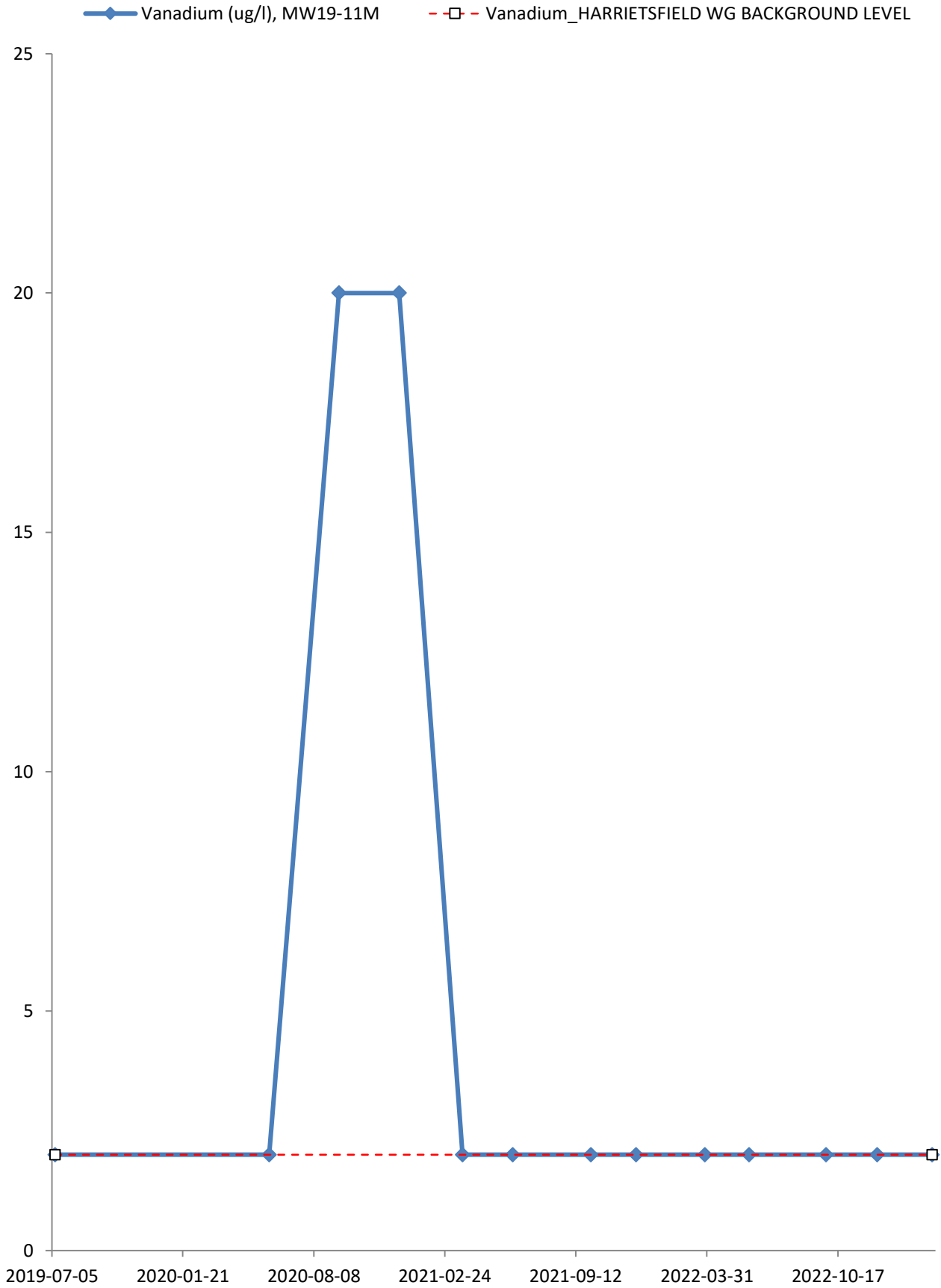


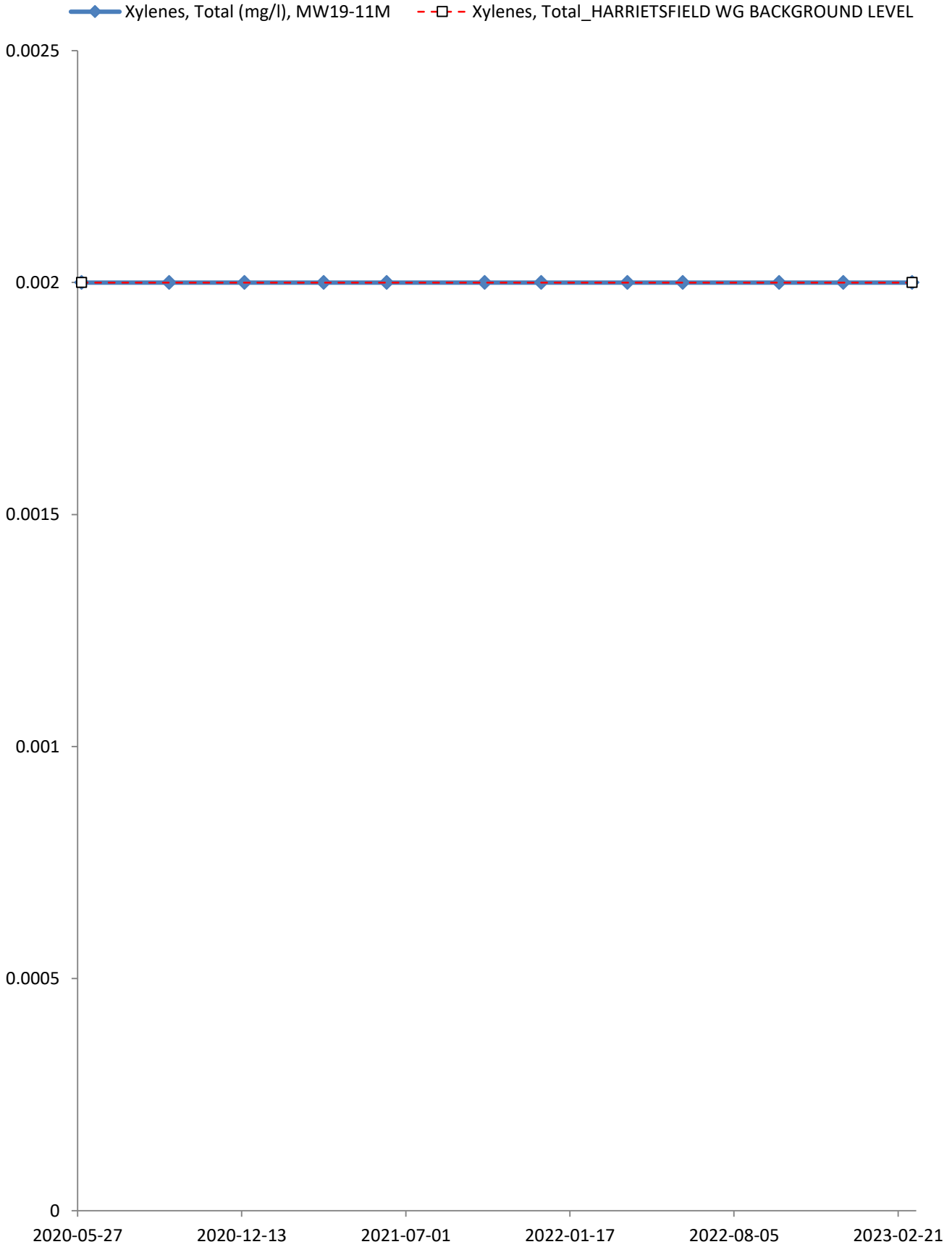
◆ Total Suspended Solids (mg/l), MW19-11M
-□- Total Suspended Solids_HARRIETSFIELD WG BACKGROUND LEVEL

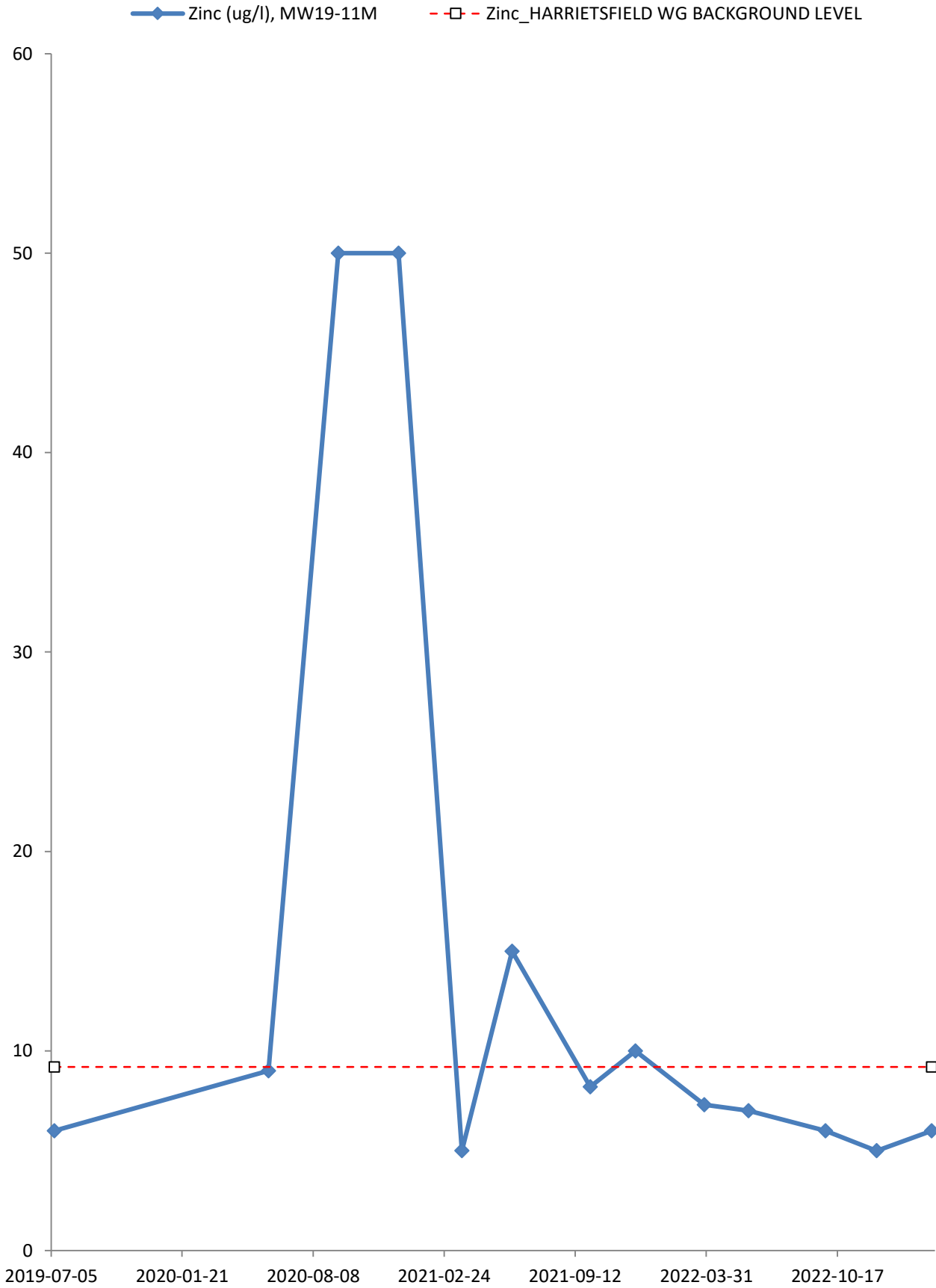




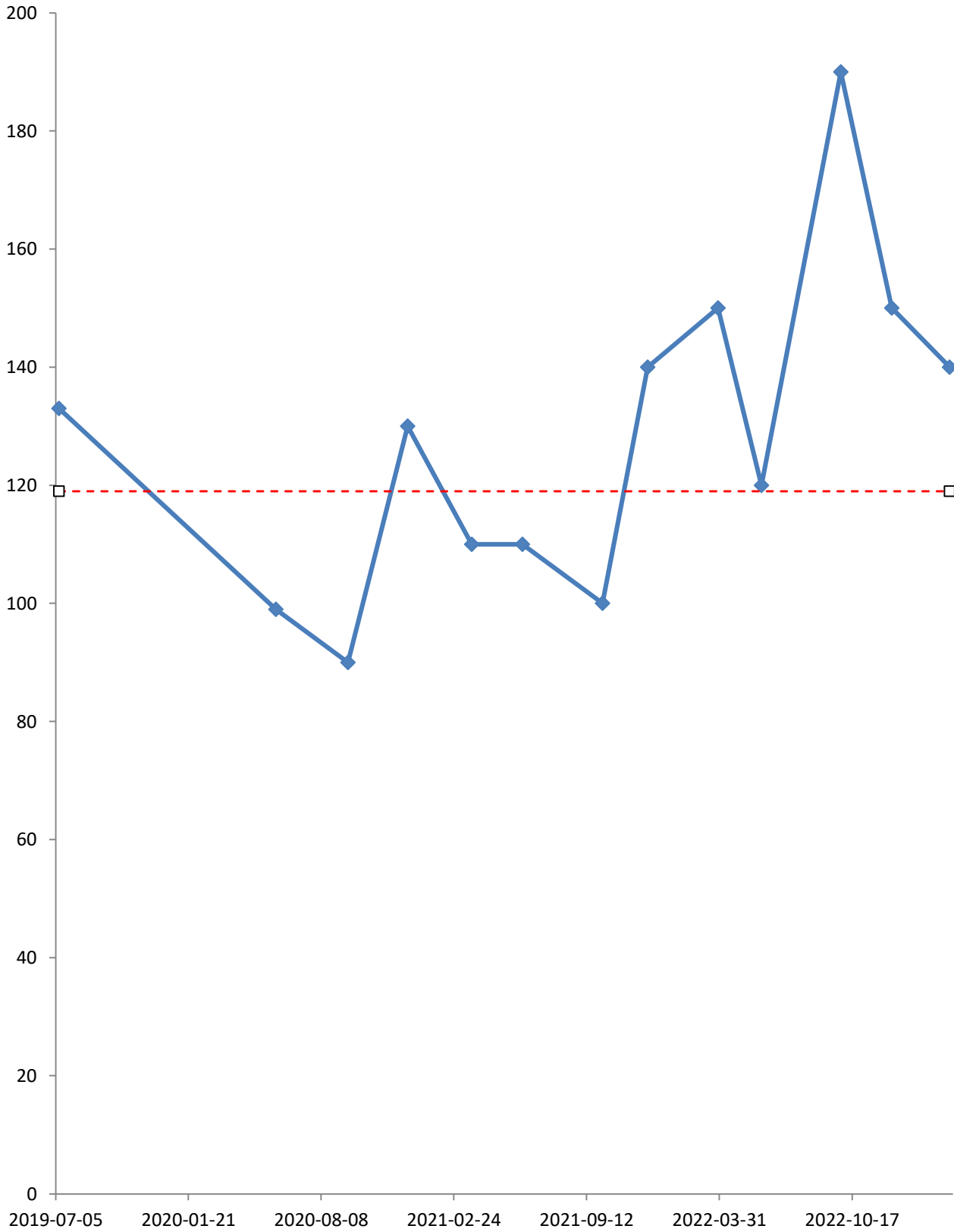




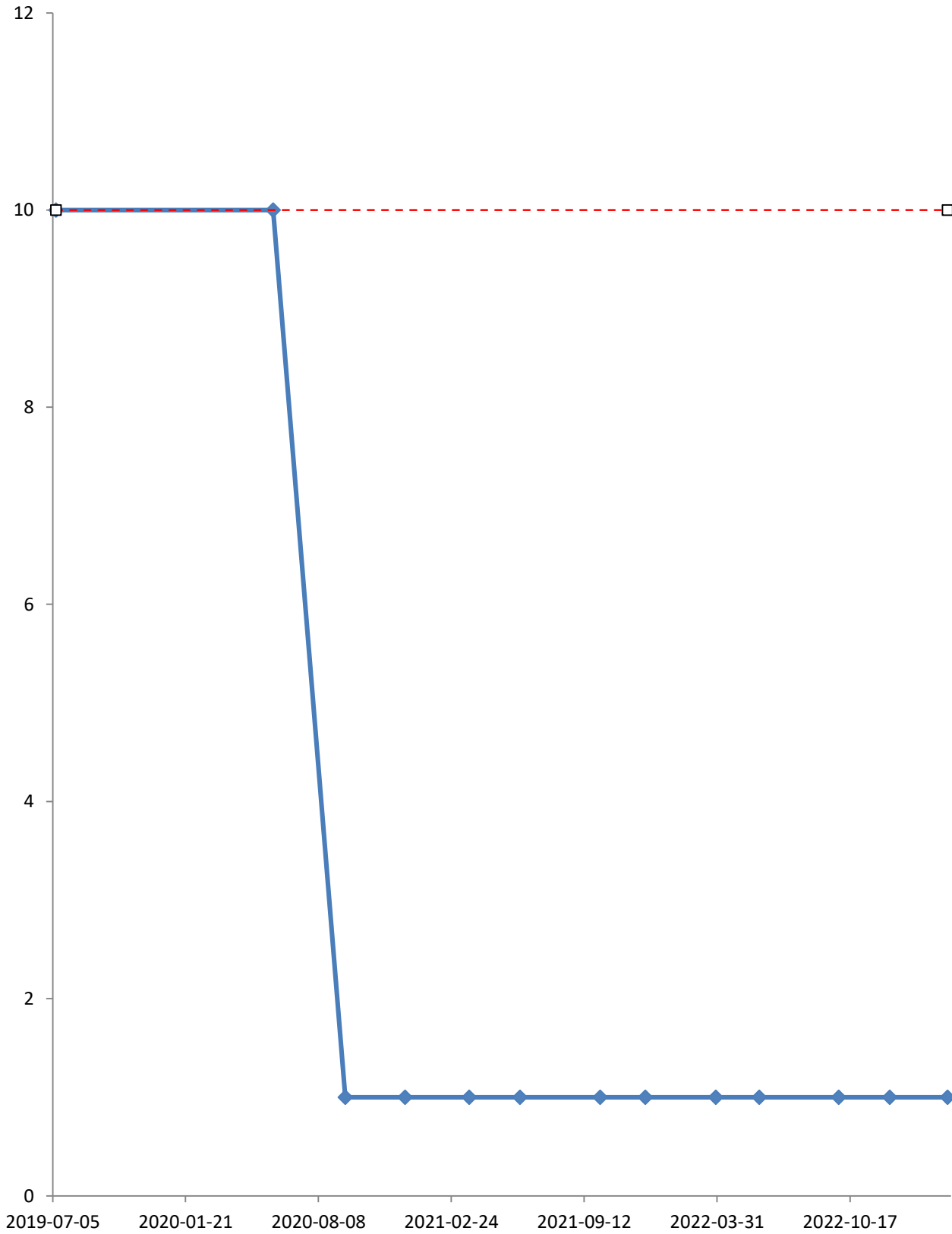


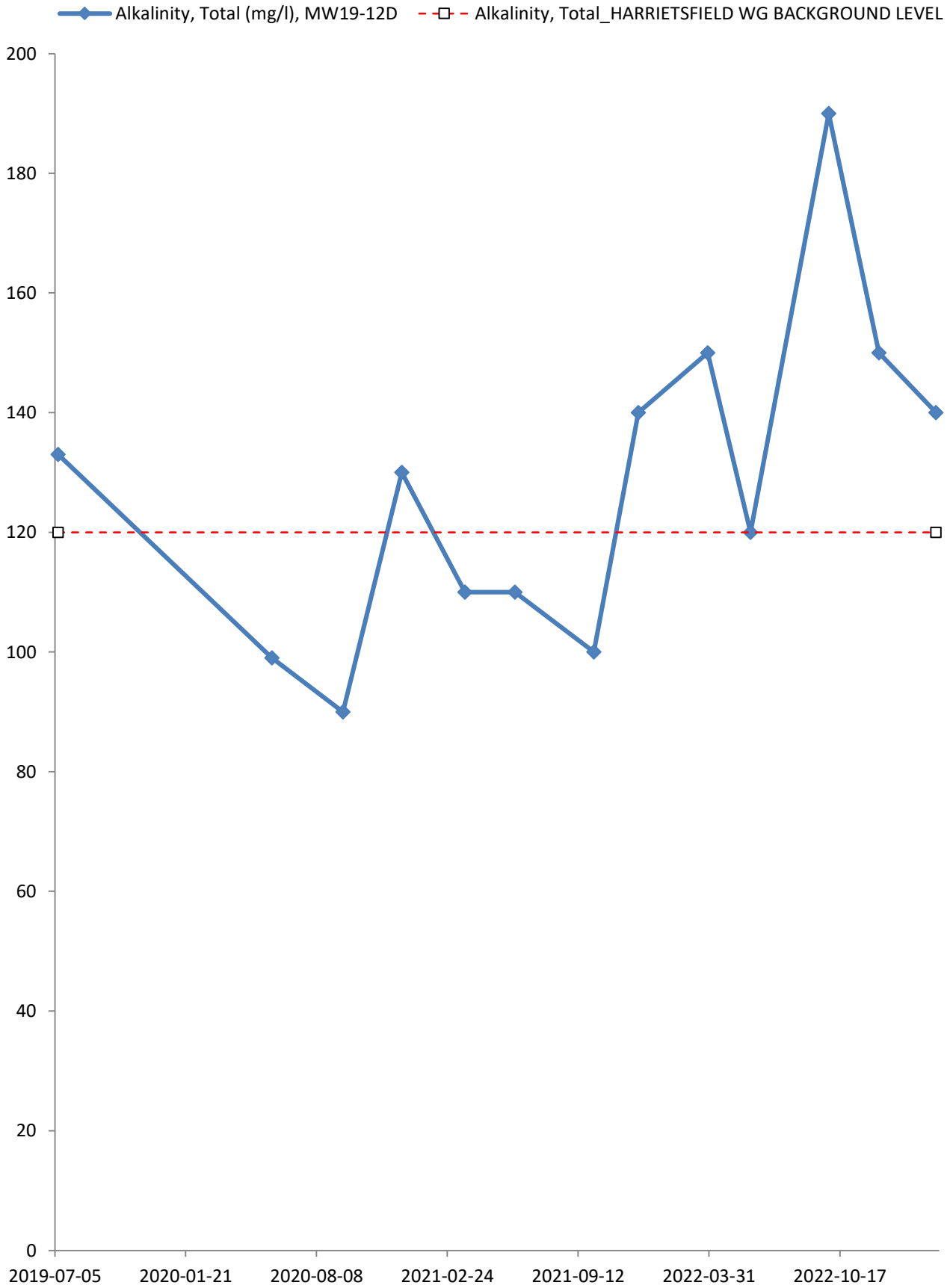


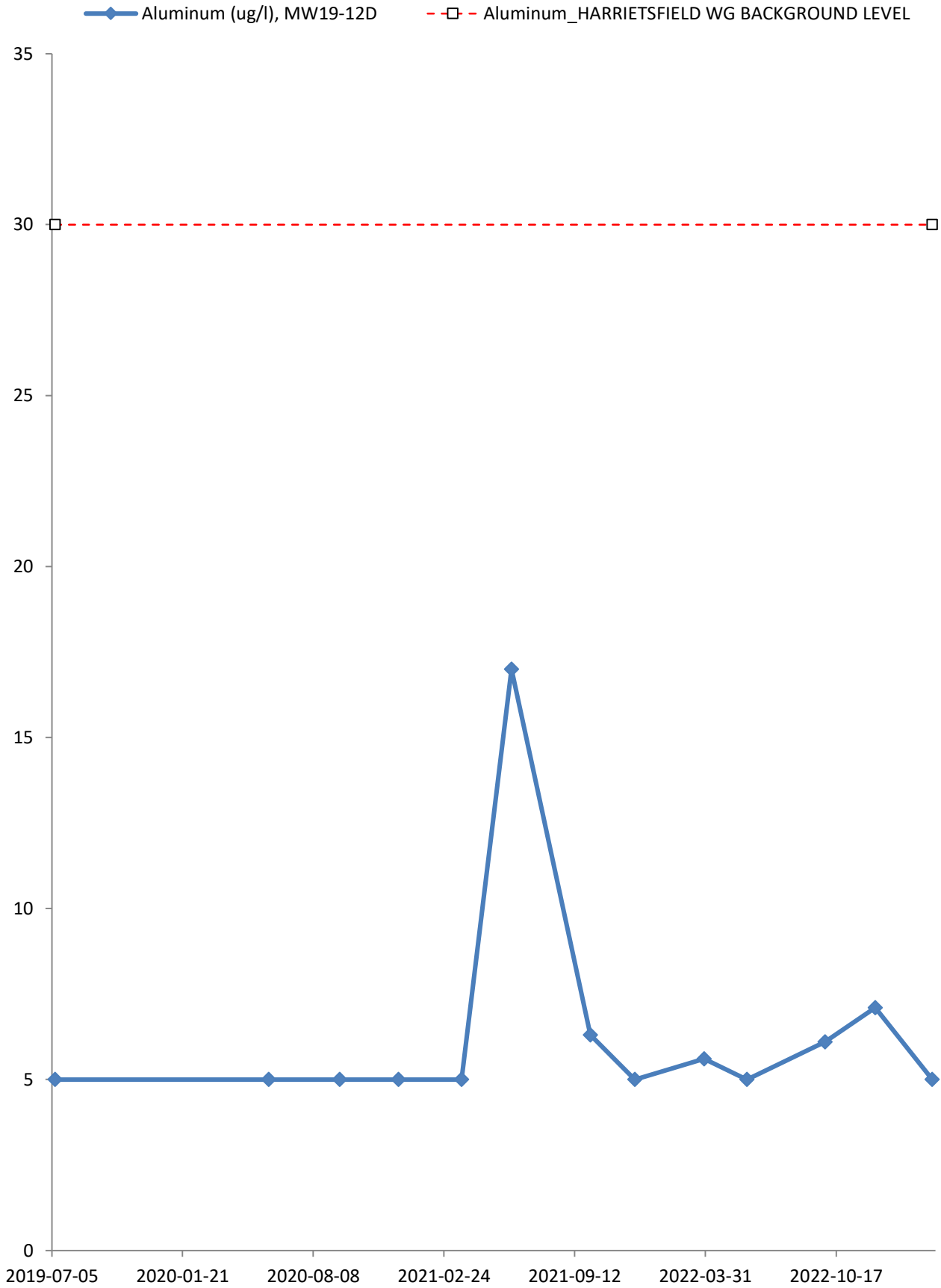
—◆— Alkalinity, Bicarbonate (mg/l), MW19-12D
- -□- - Alkalinity, Bicarbonate_HARRIETSFIELD WG BACKGROUND LEVEL

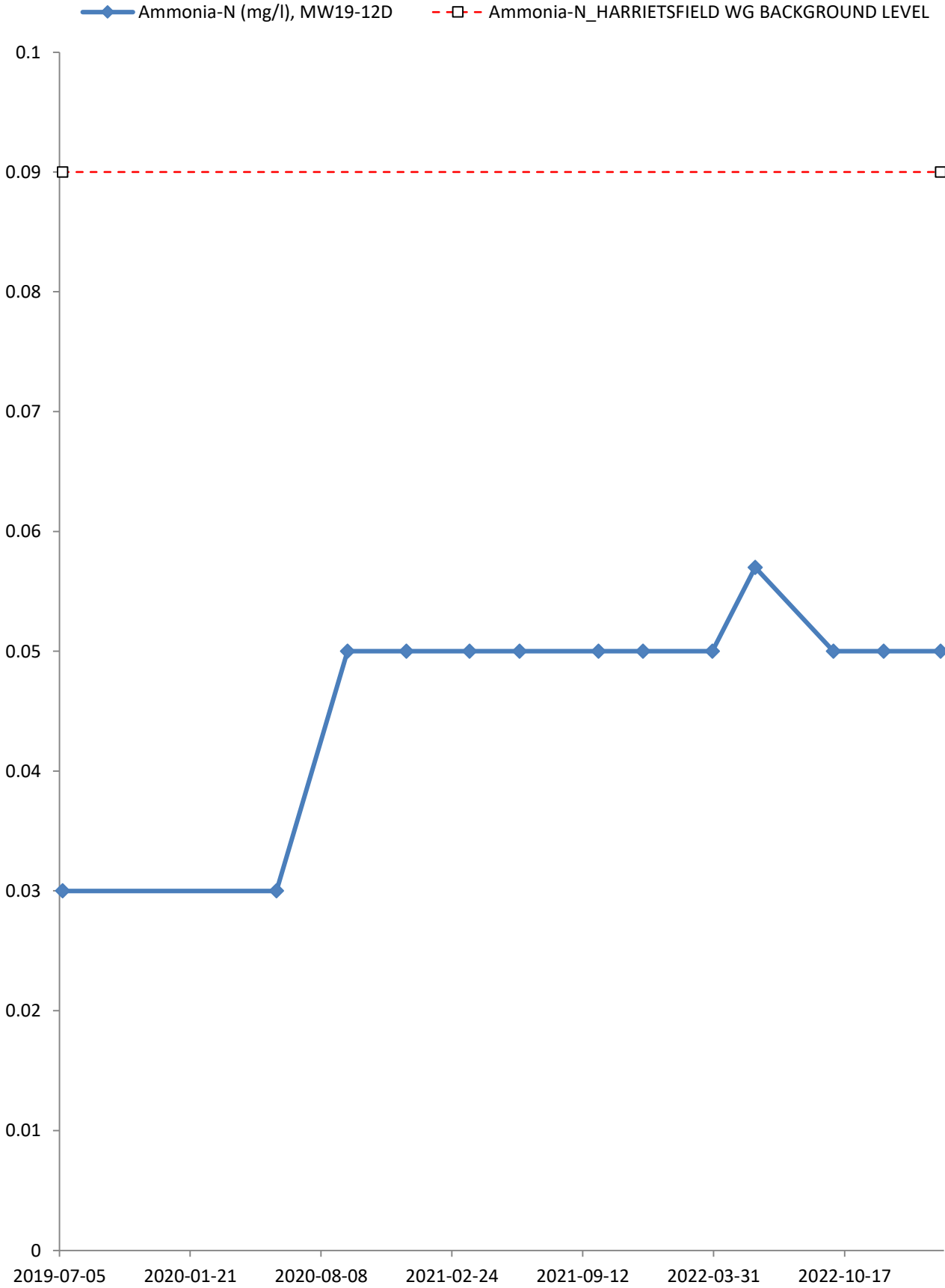


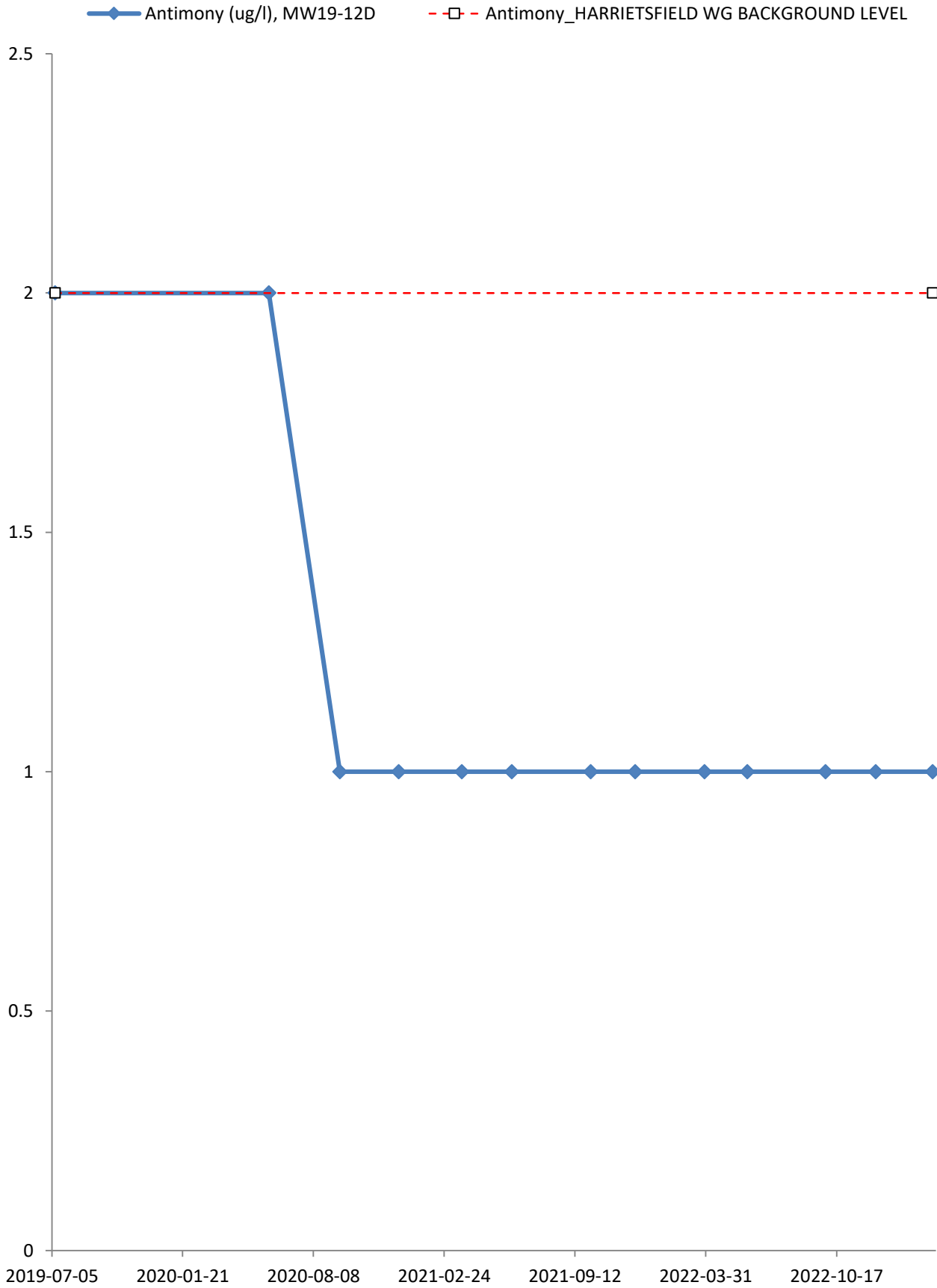
—◆— Alkalinity, Carbonate (mg/l), MW19-12D
- -□- - Alkalinity, Carbonate_HARRIETSFIELD WG BACKGROUND LEVEL

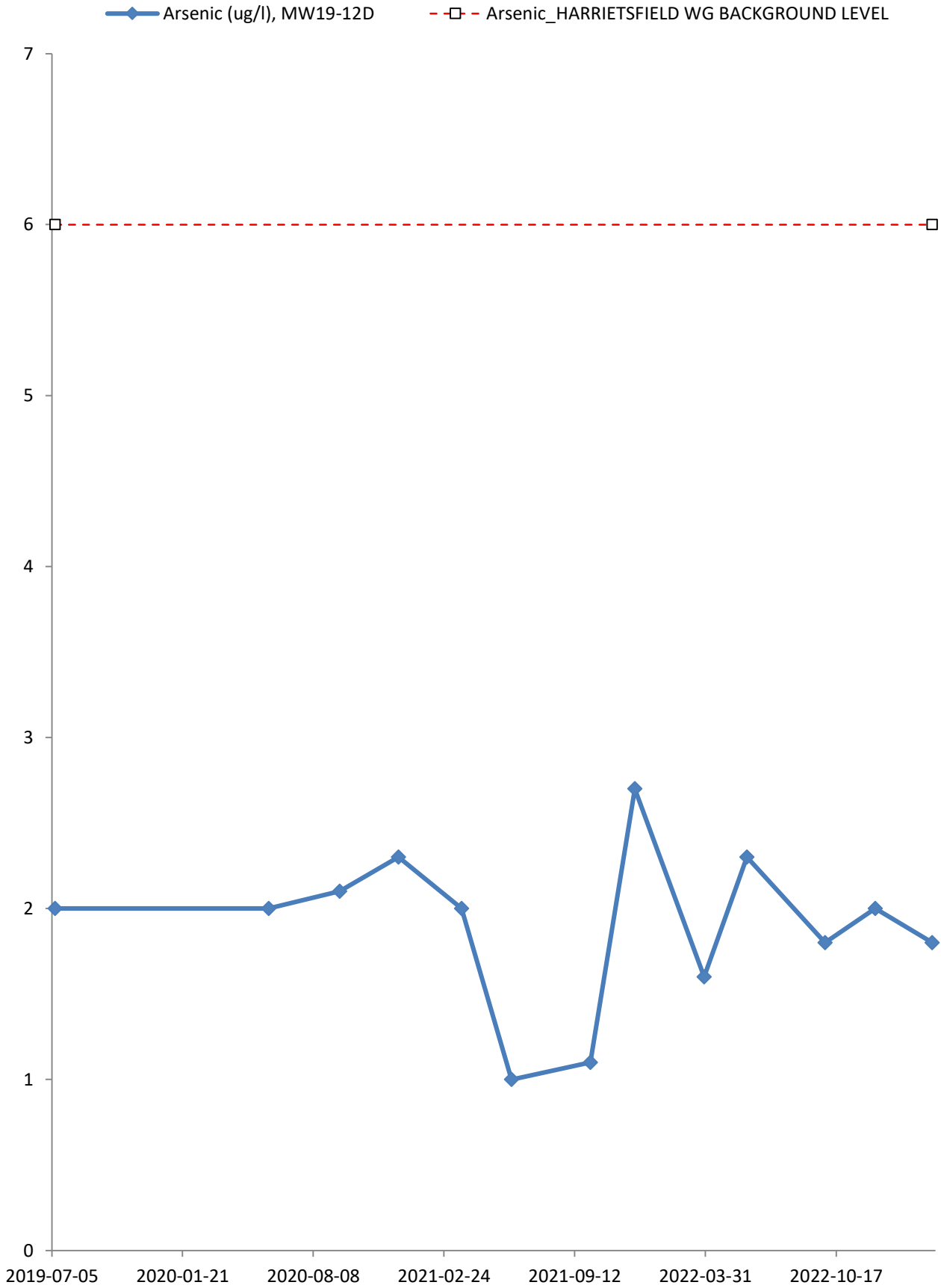


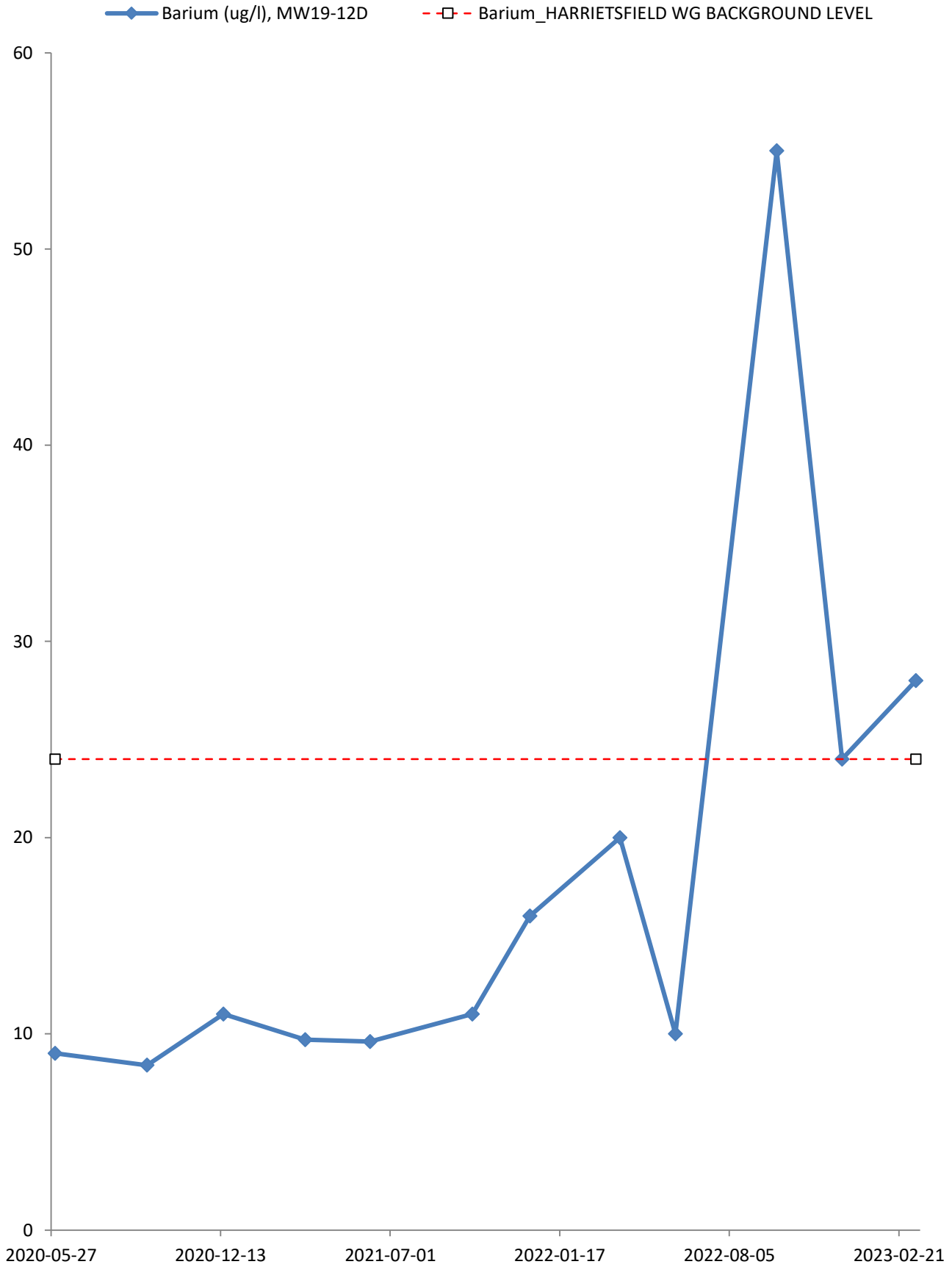


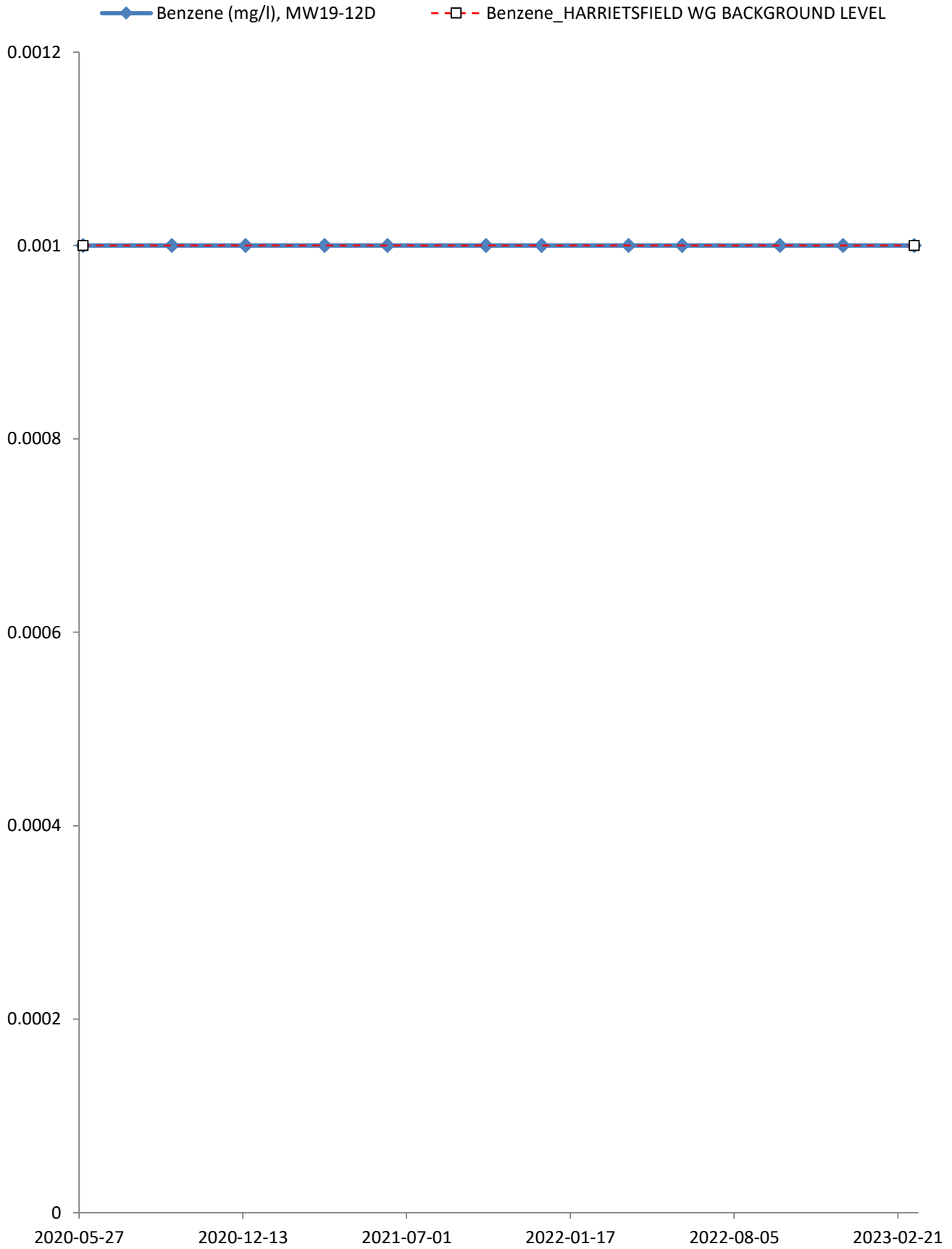


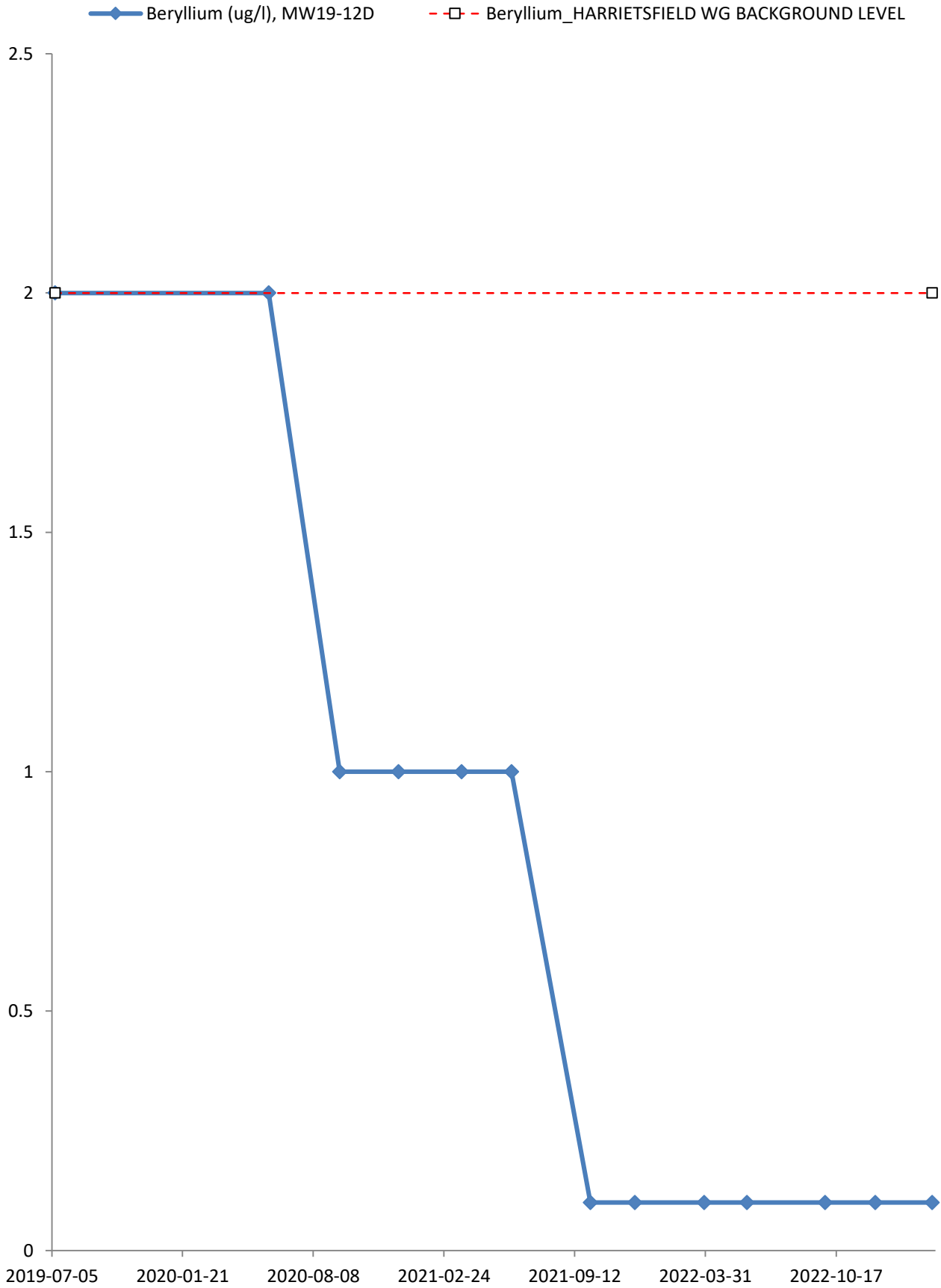


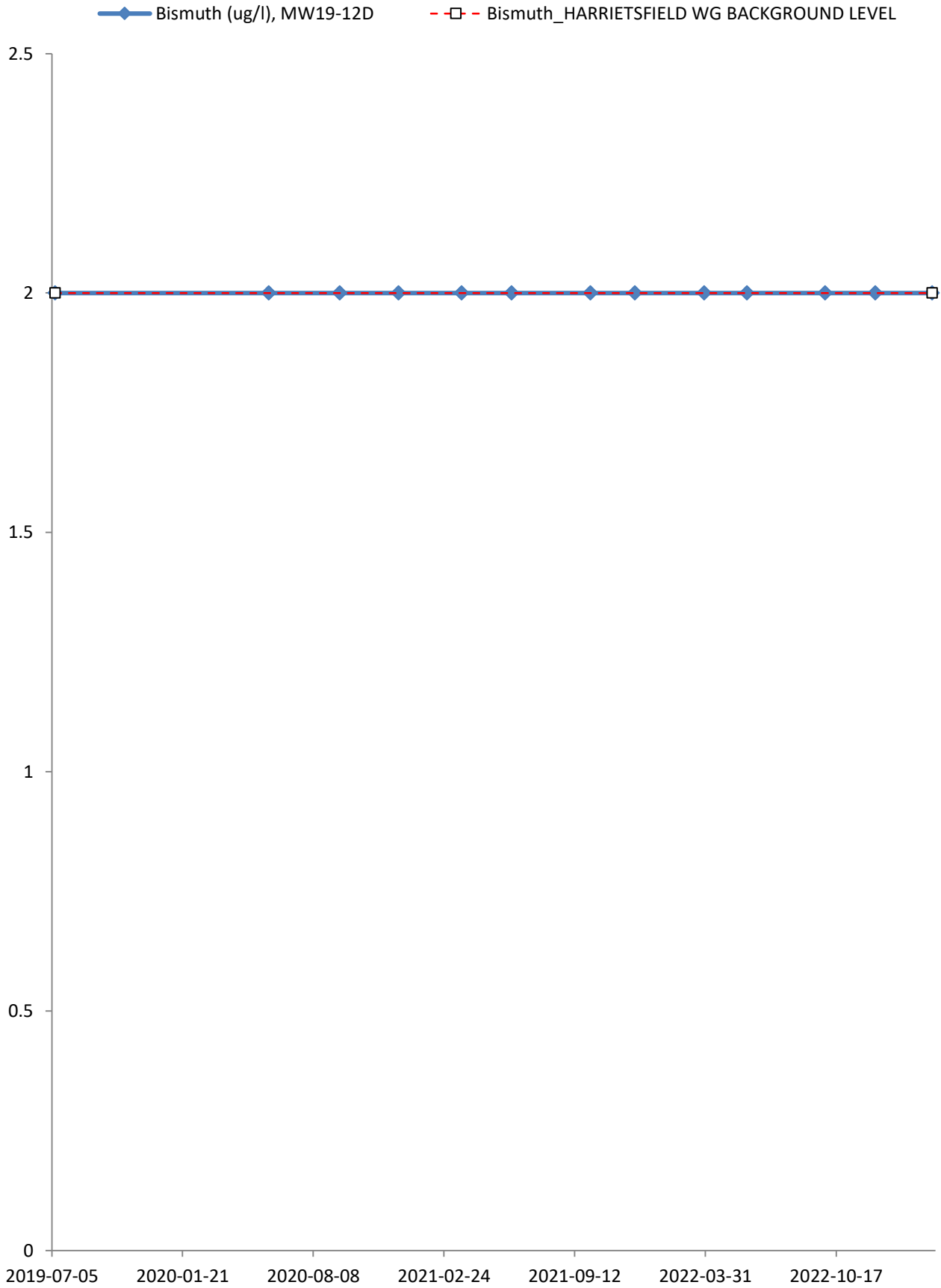


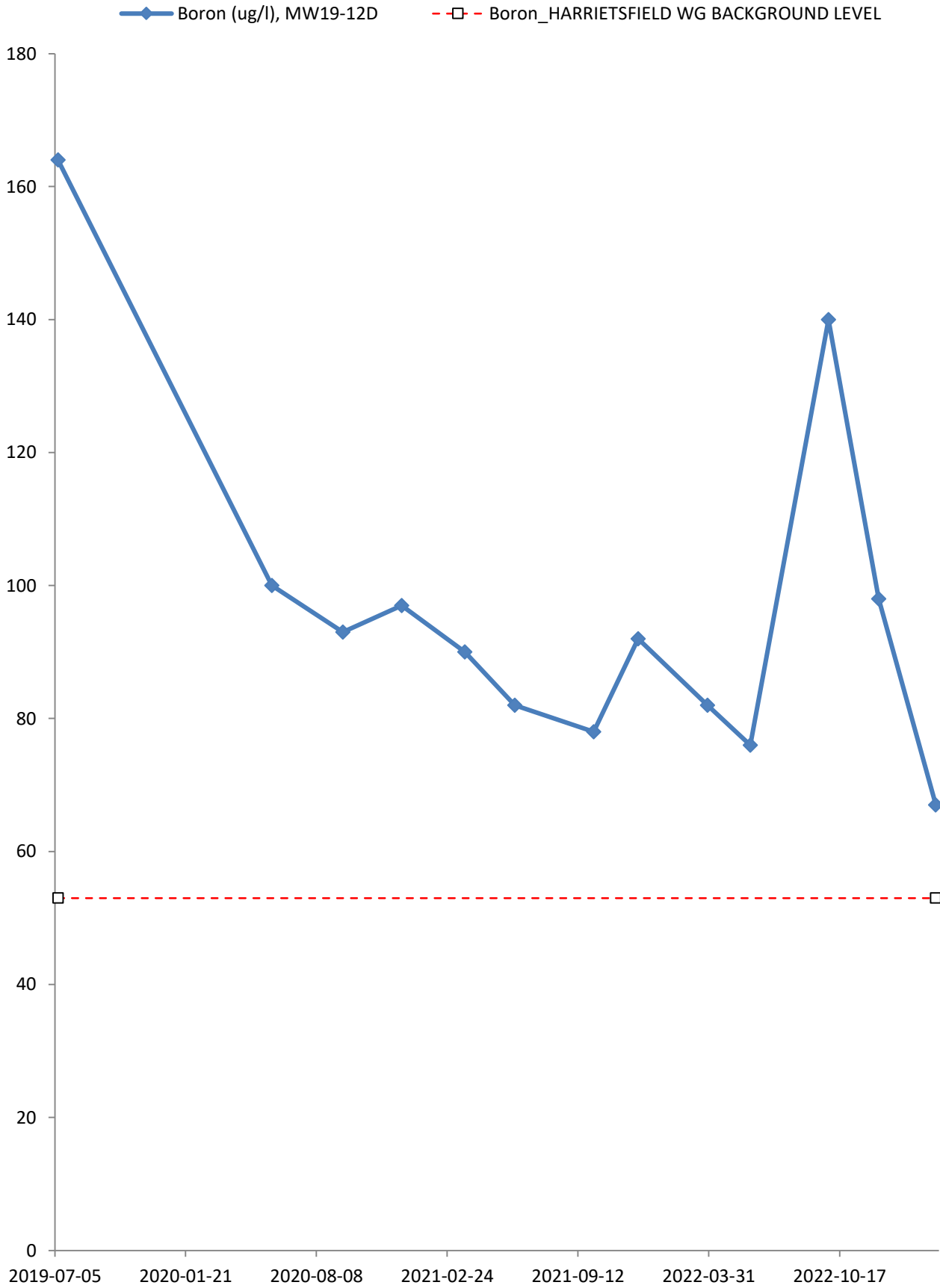


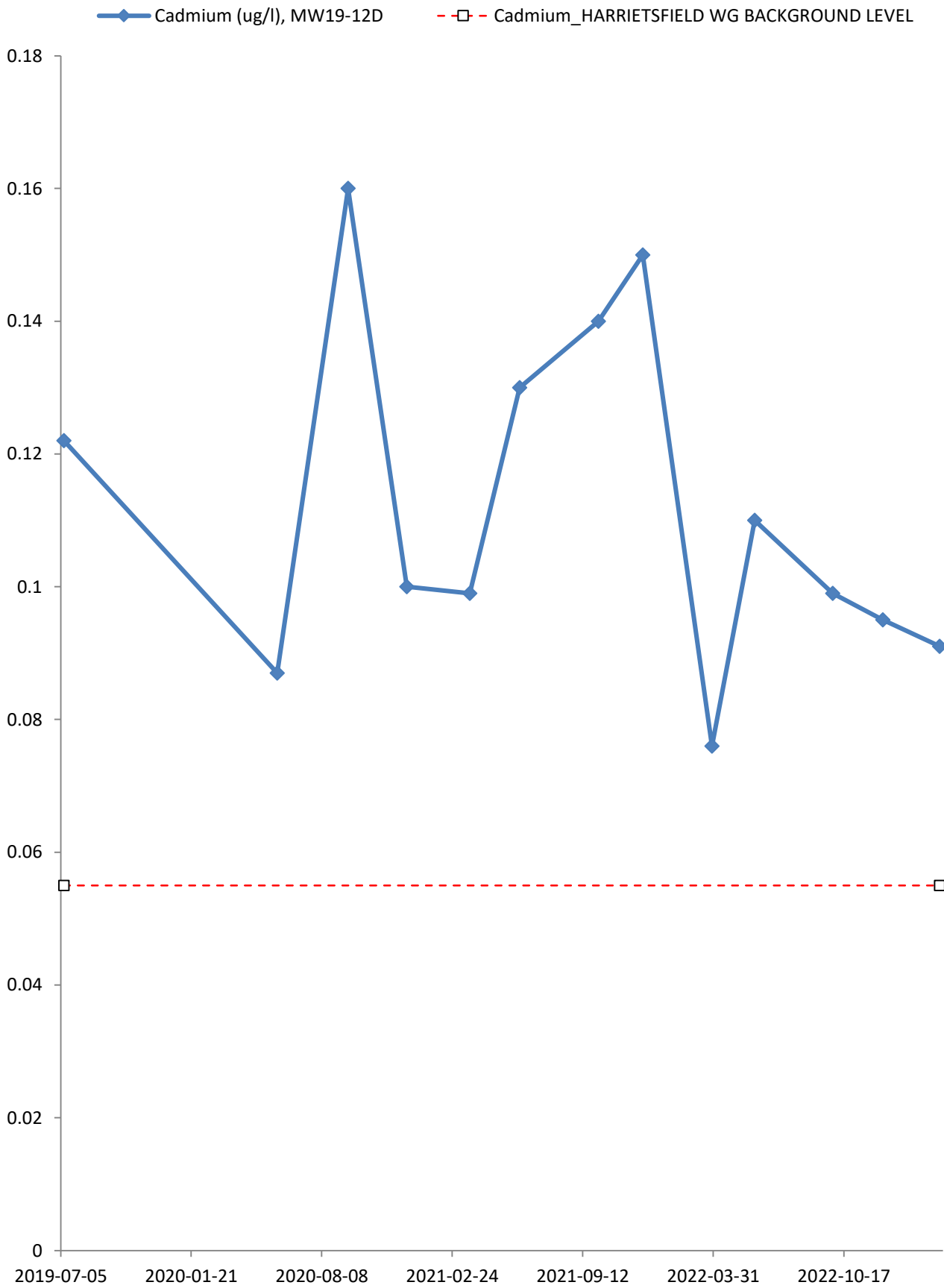


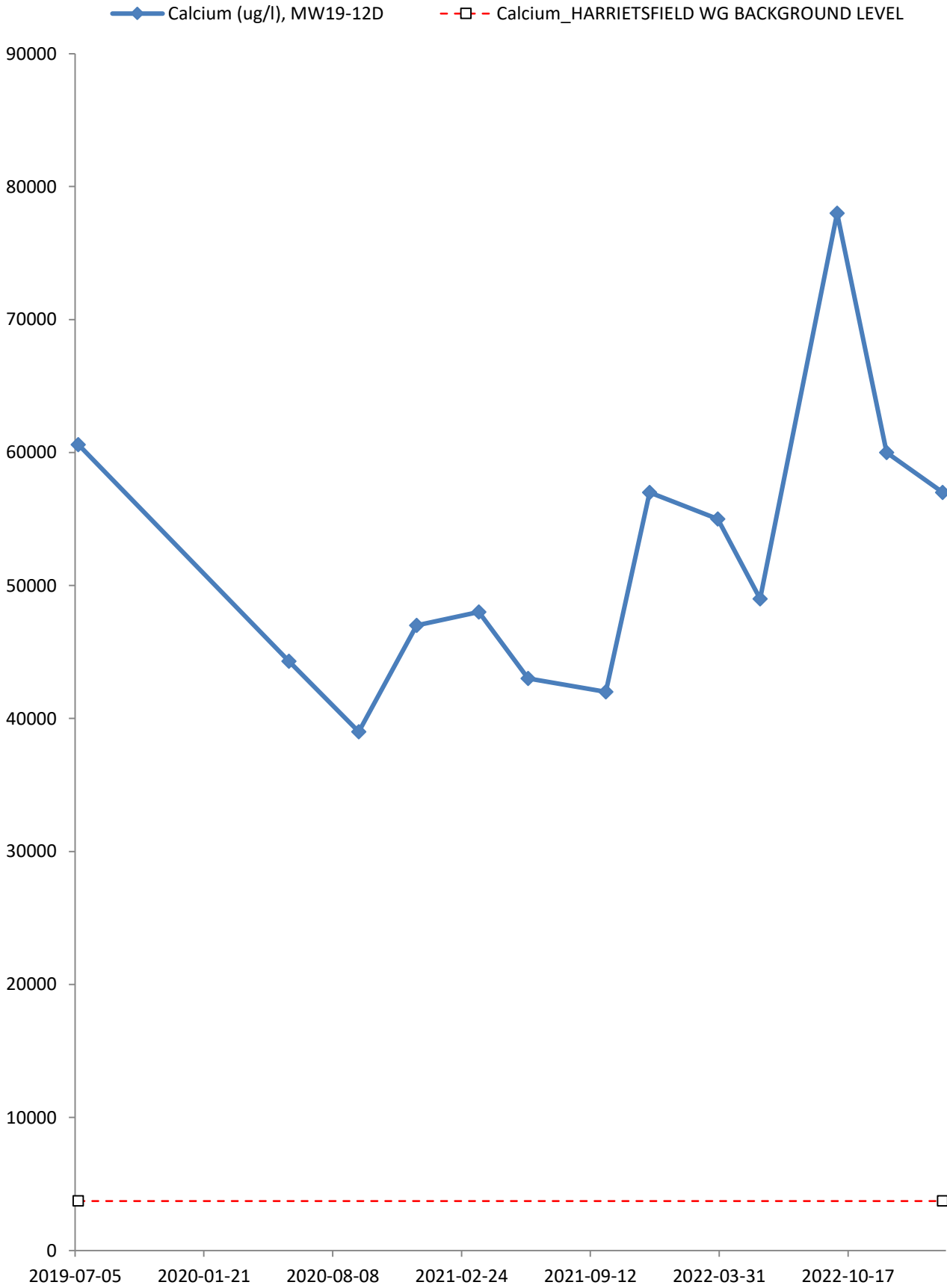




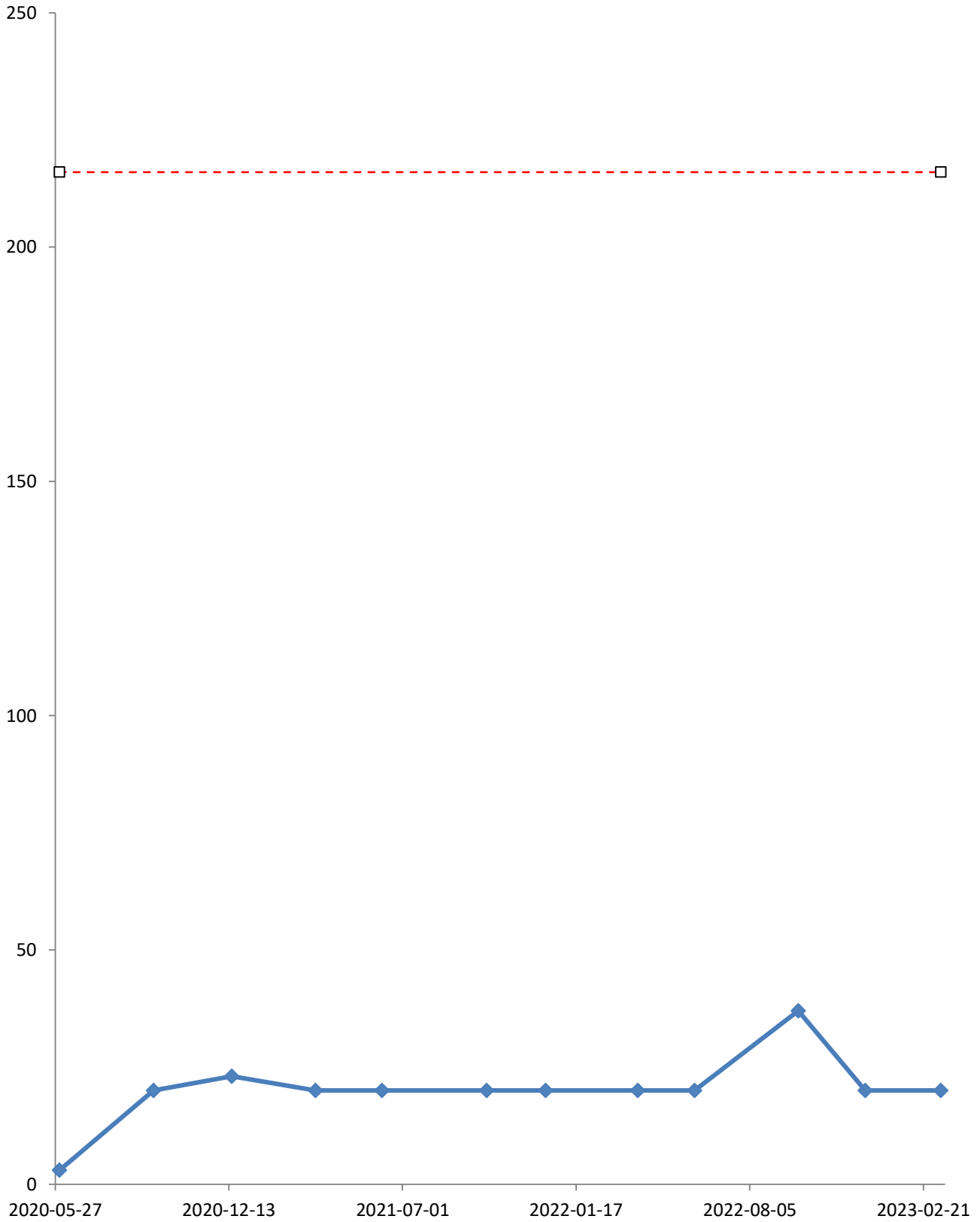


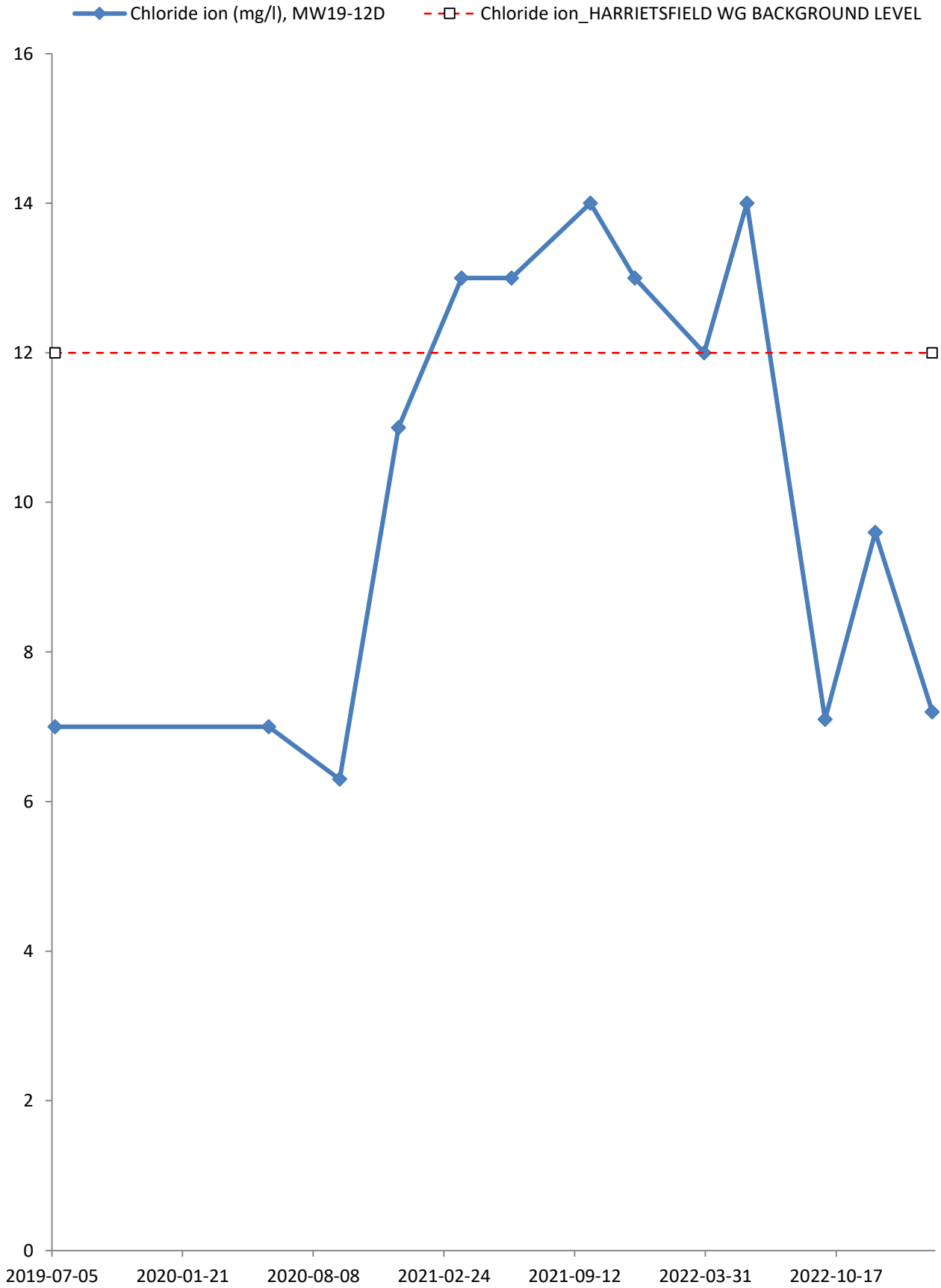


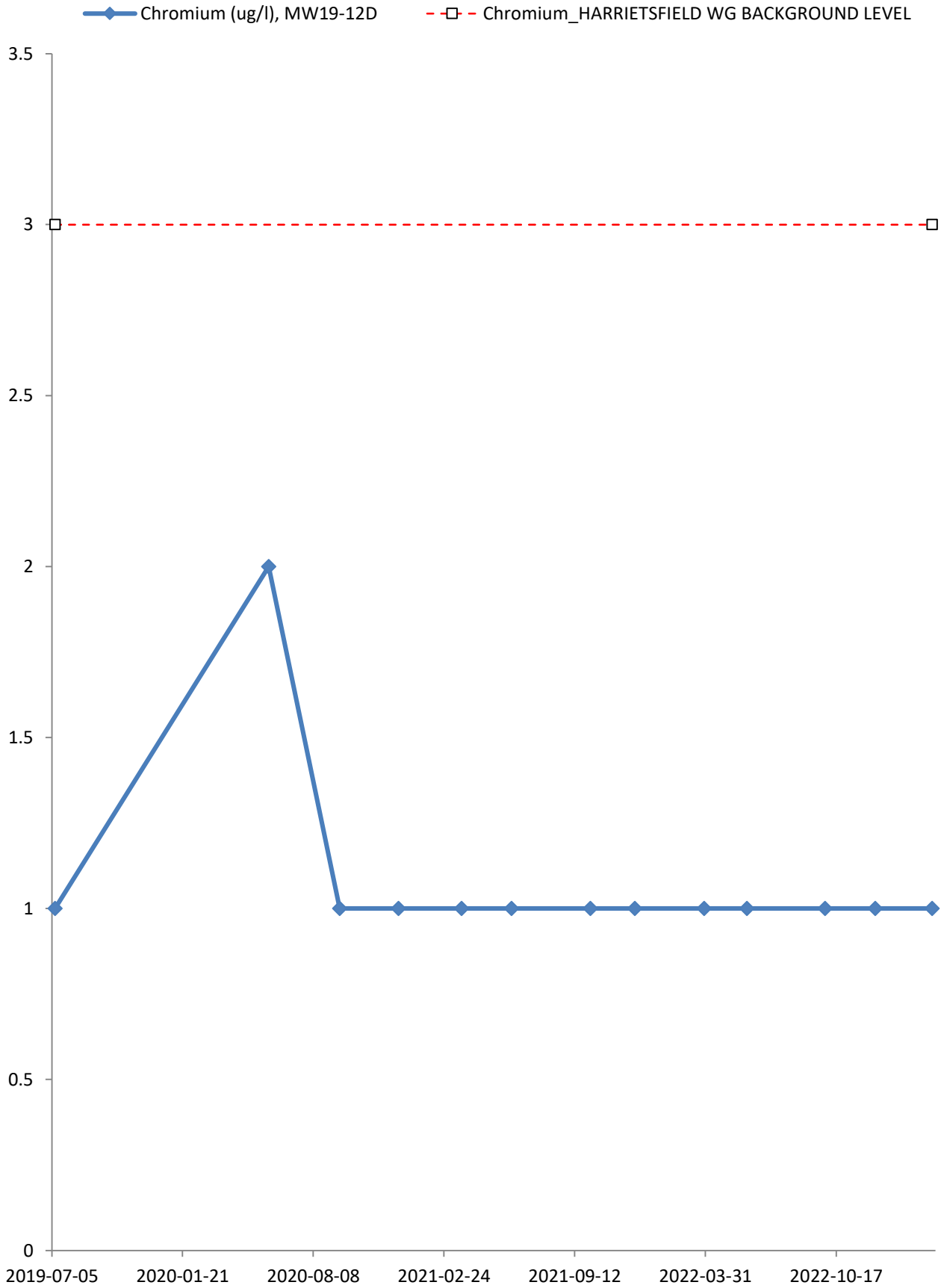


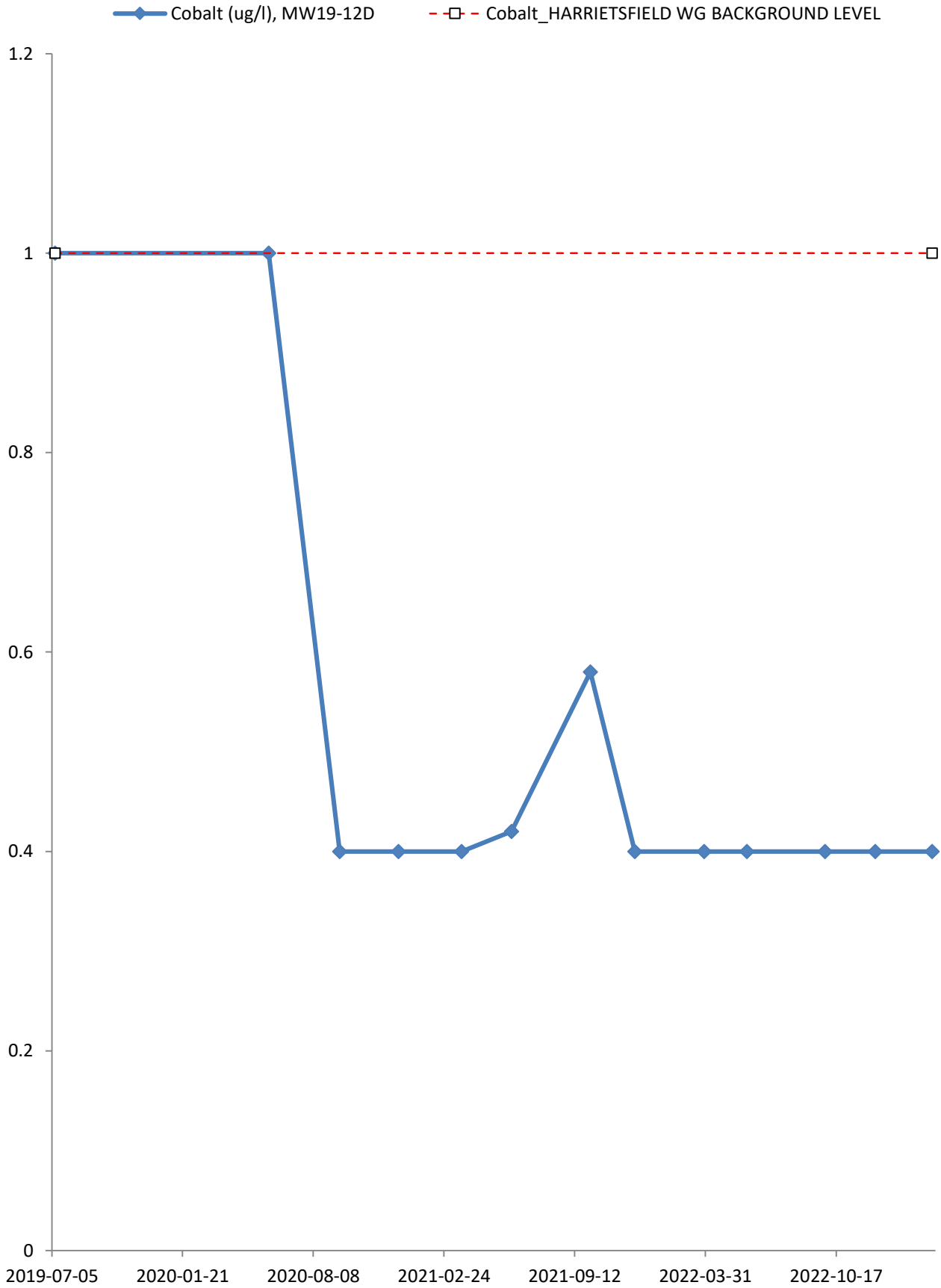


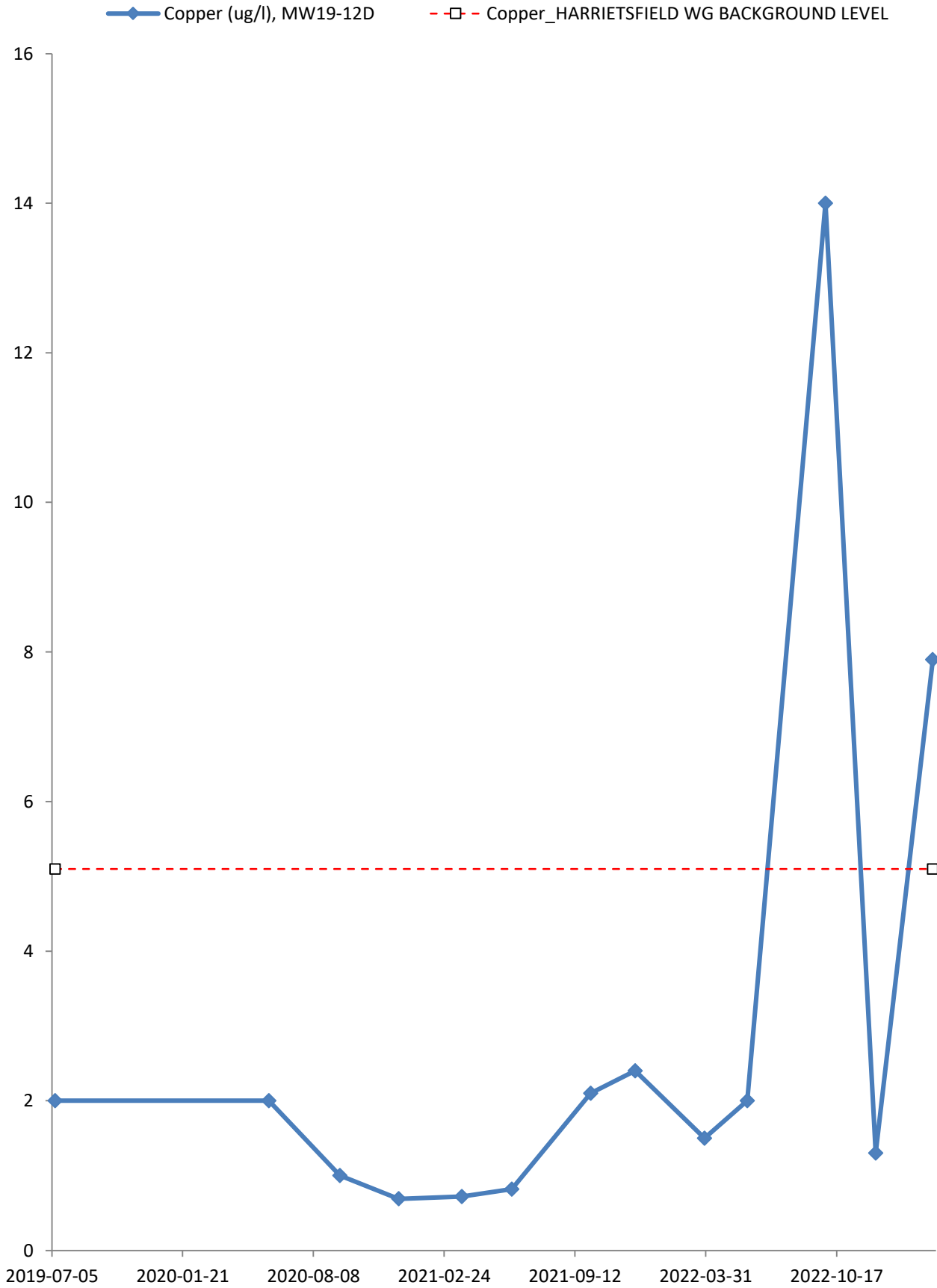
—◆— Chemical Oxygen Demand (mg/l), MW19-12D
- -□- - Chemical Oxygen Demand_HARRIETSFIELD WG BACKGROUND LEVEL



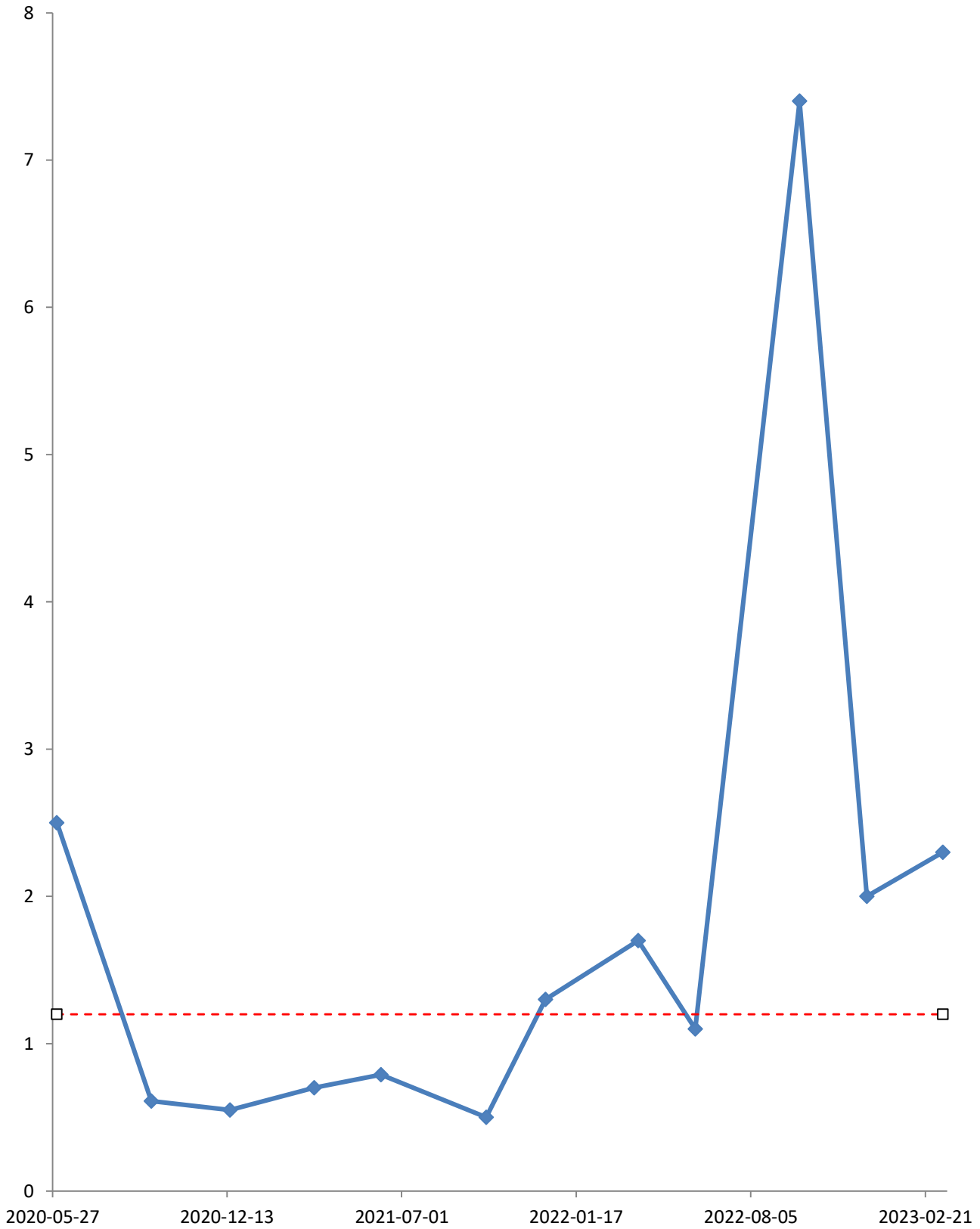




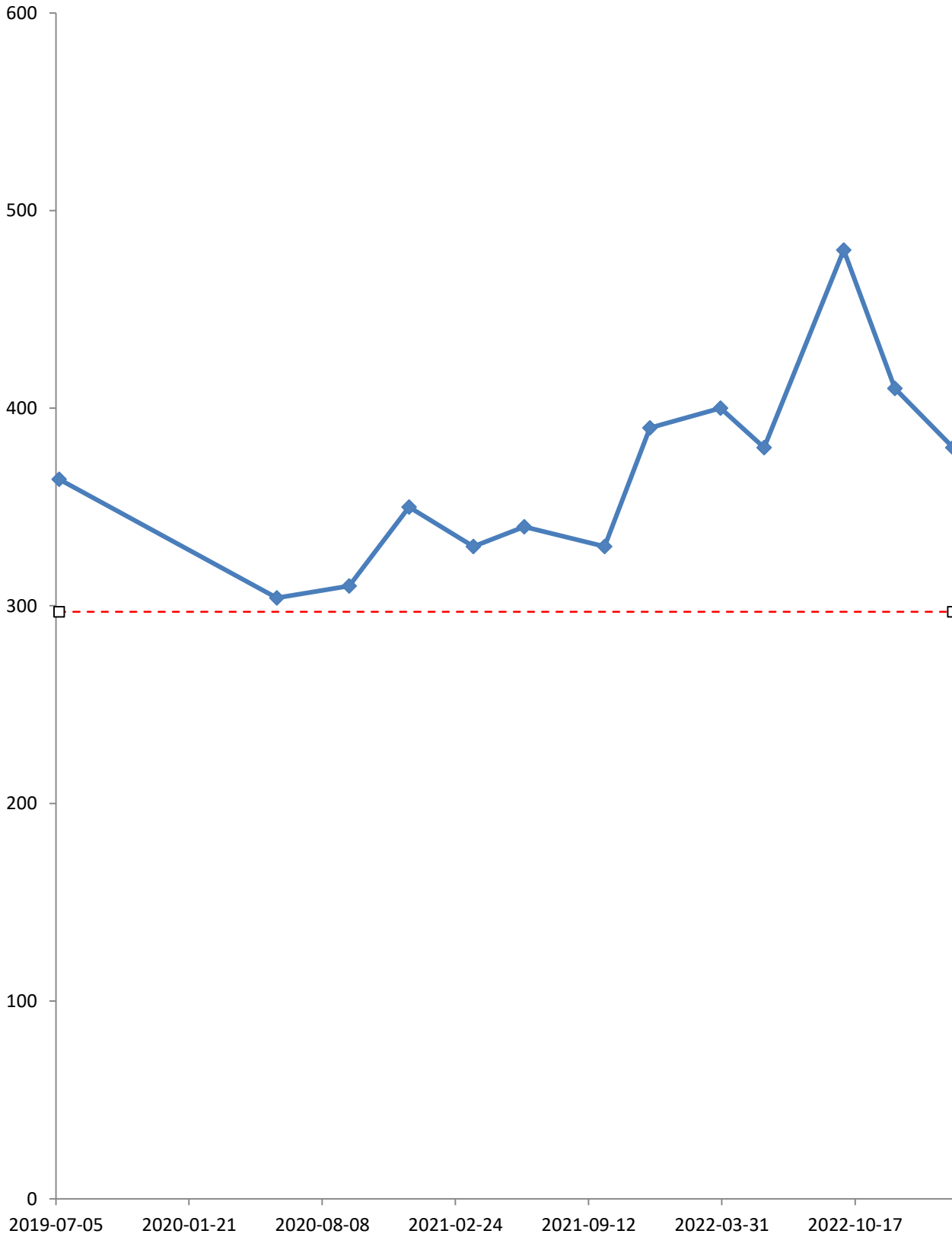


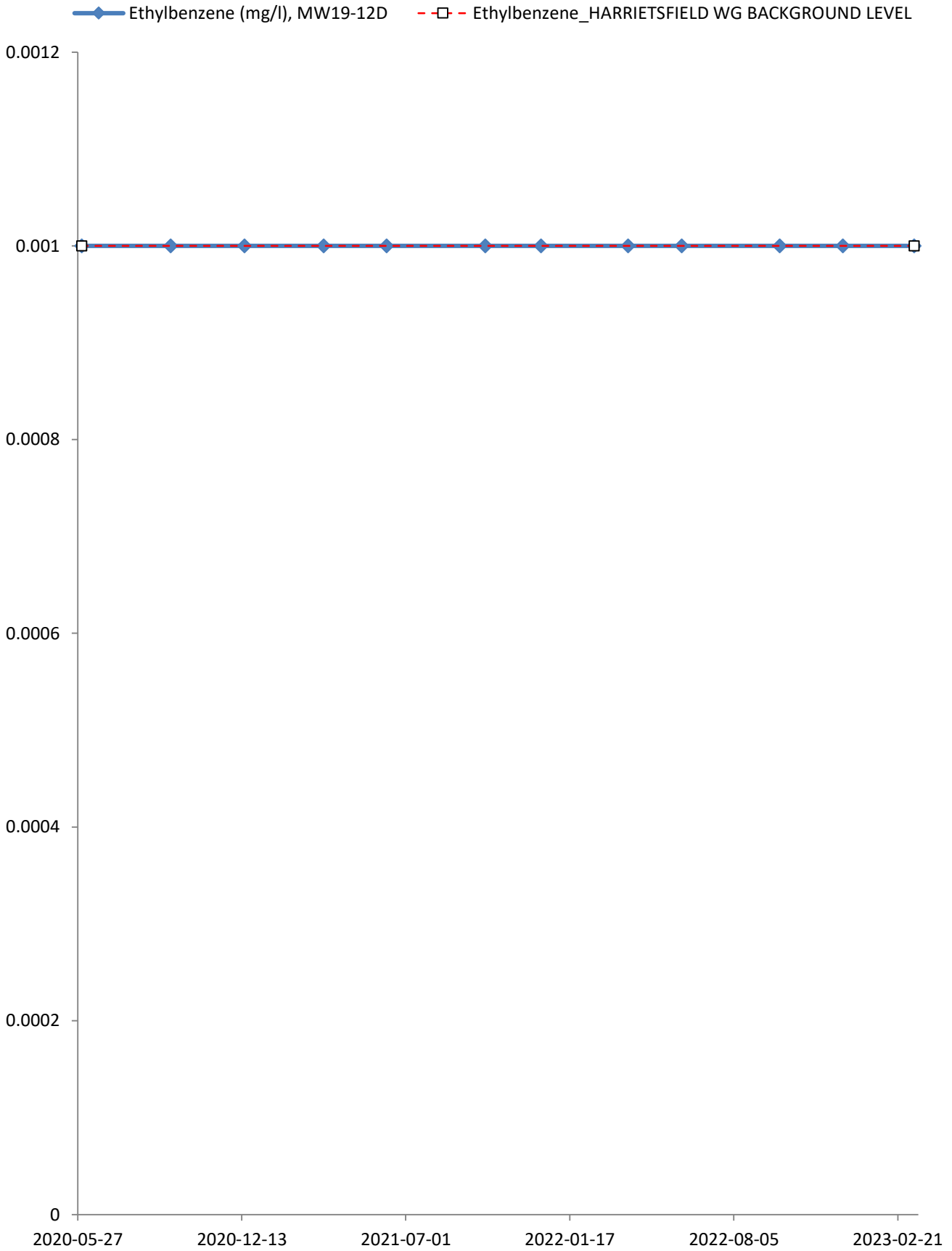


◆ Dissolved Organic Carbon (DOC) (mg/l), MW19-12D
-□- Dissolved Organic Carbon (DOC)_HARRIETSFIELD WG BACKGROUND LEVEL

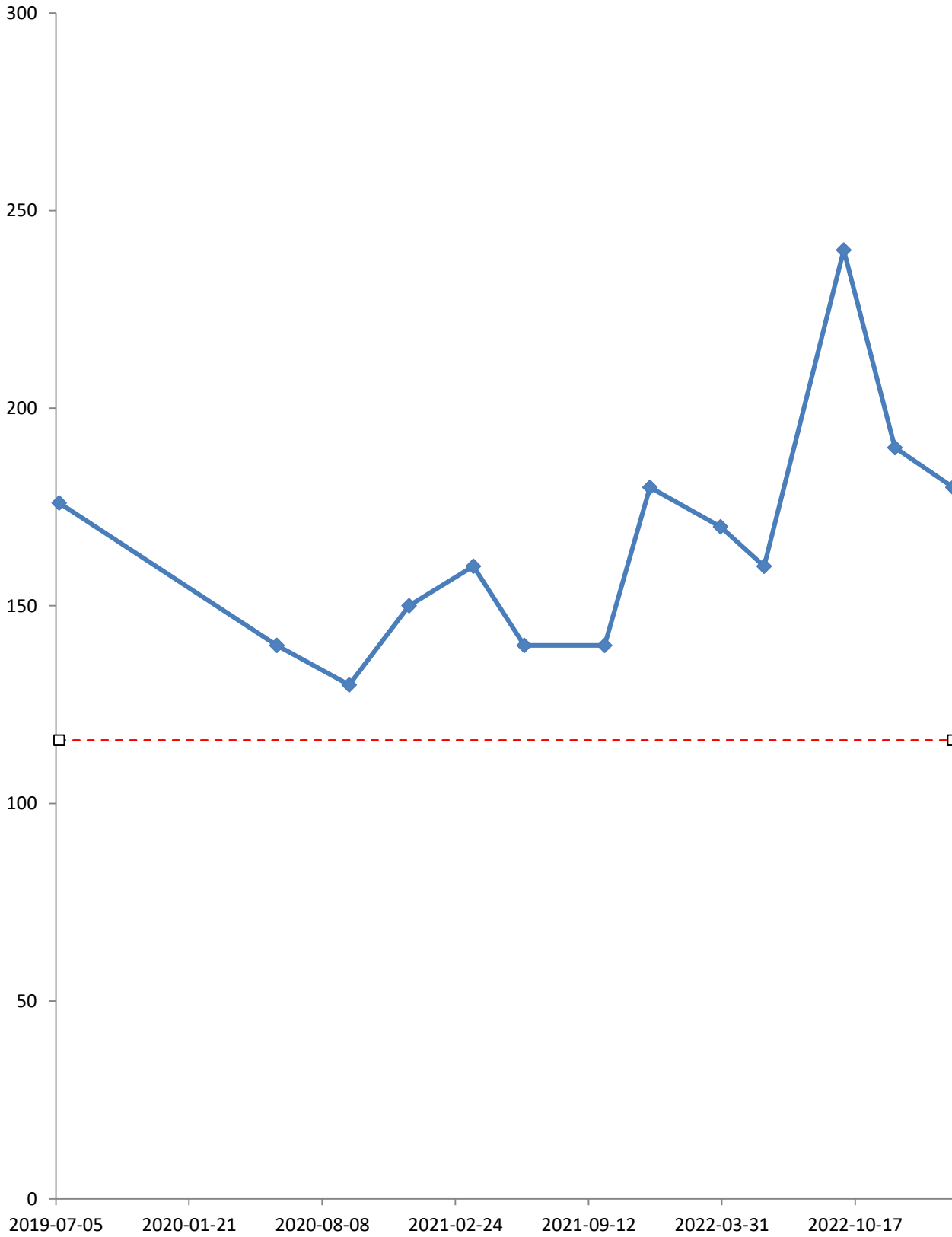


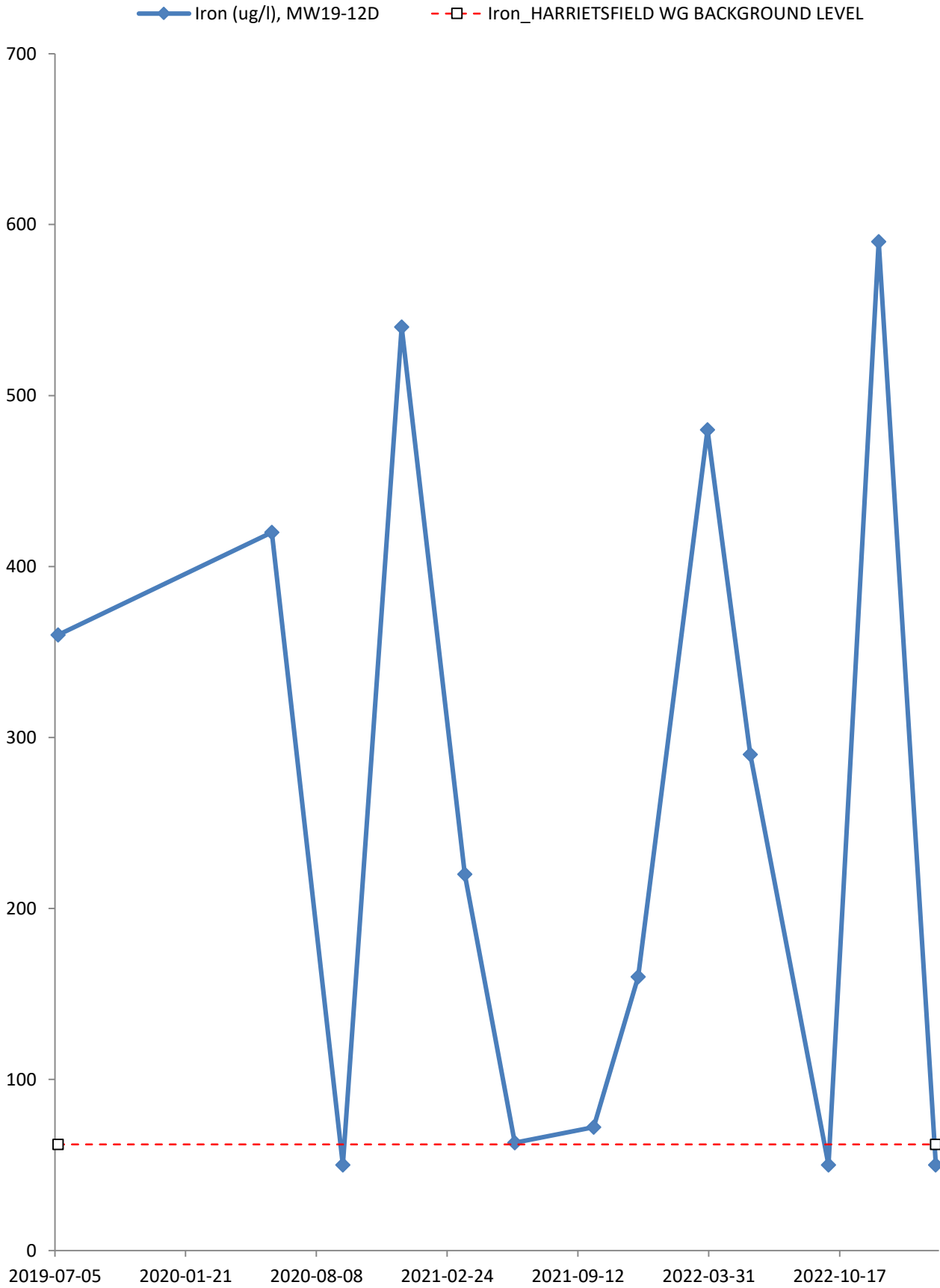
—◆— Electrical Conductivity (umhos/cm), MW19-12D
- -□- - Electrical Conductivity_HARRIETSFIELD WG BACKGROUND LEVEL

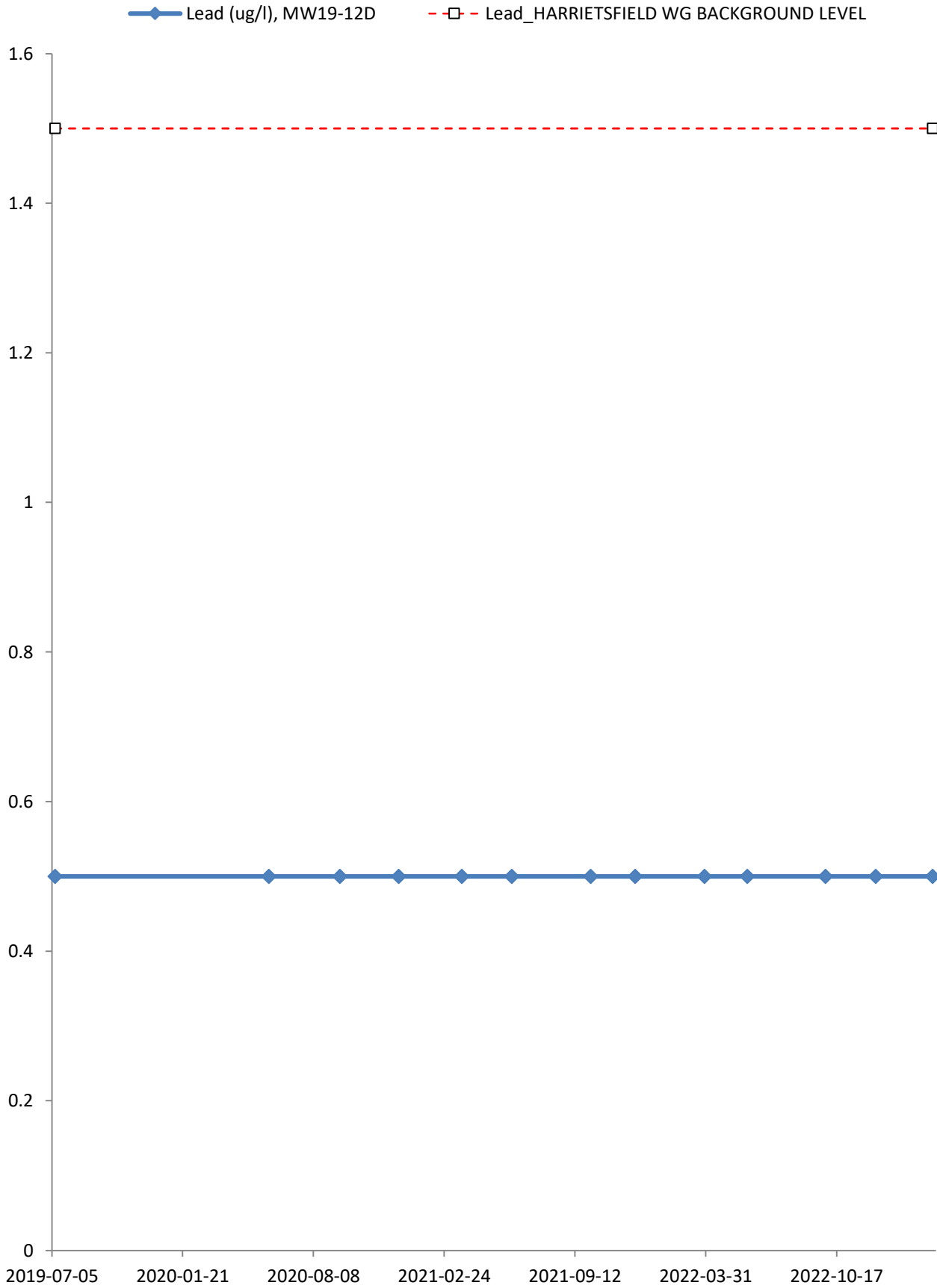


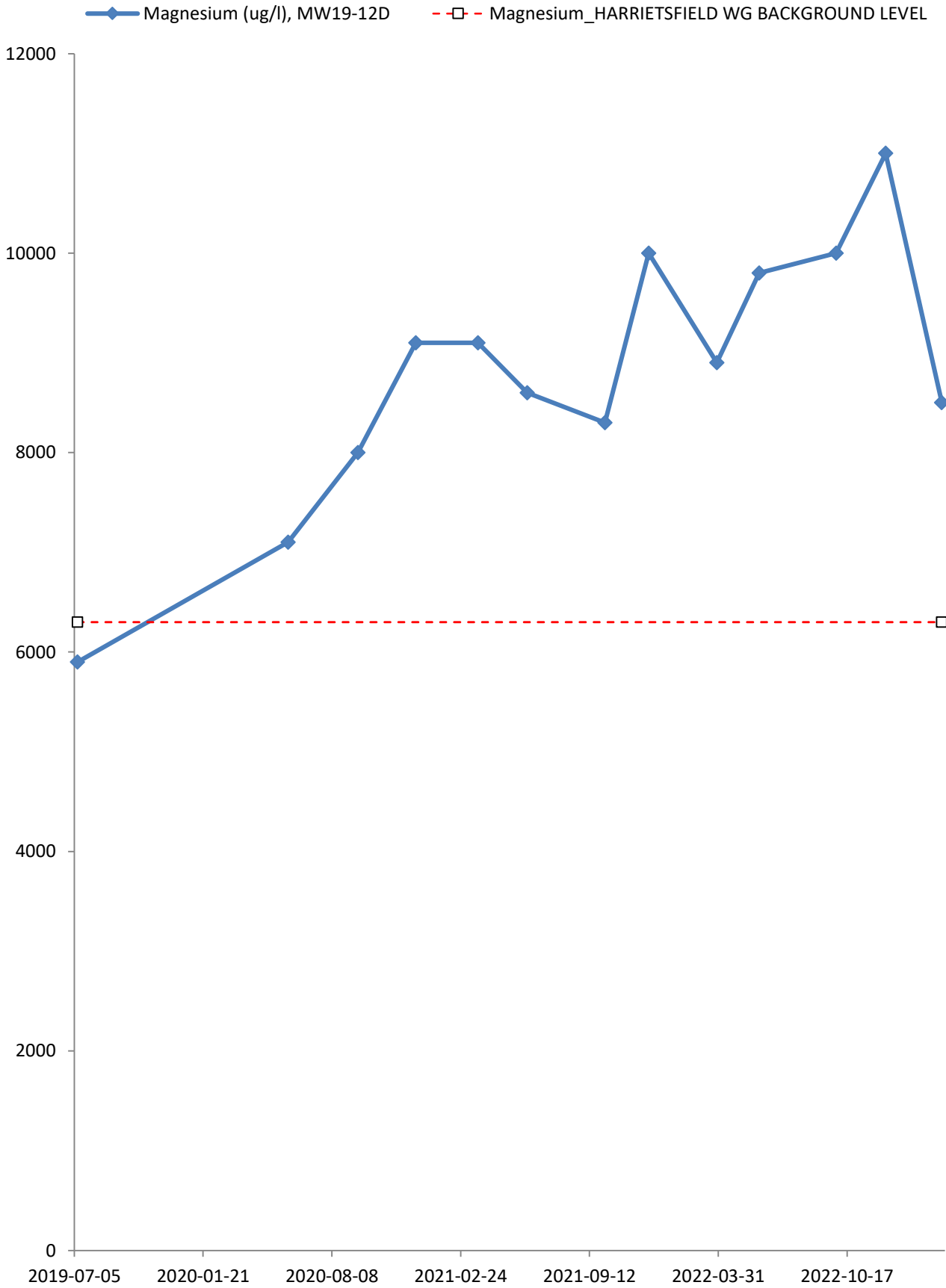


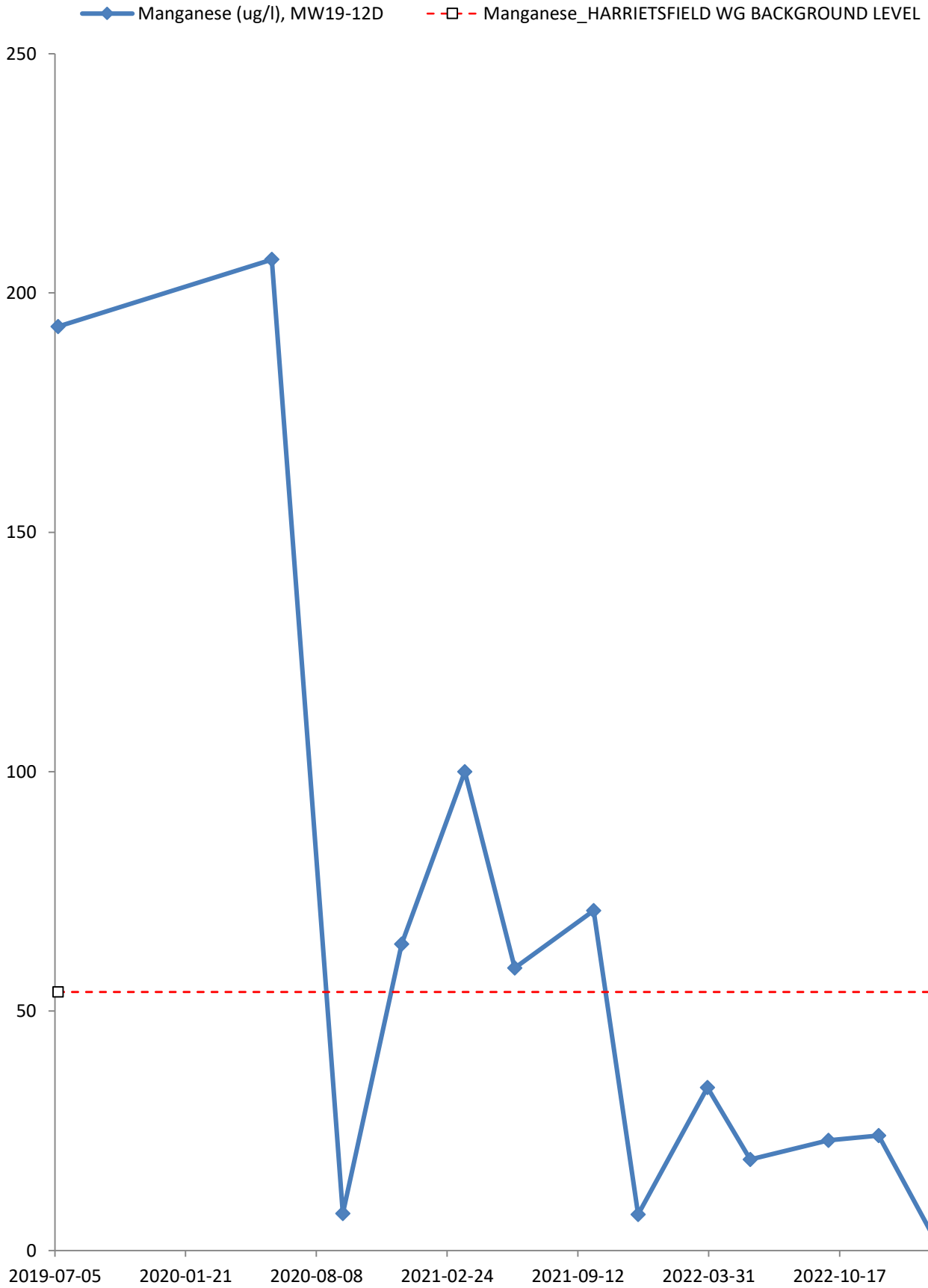
—◆— Hardness (as CaCO3) (mg/l), MW19-12D
- -□- - Hardness (as CaCO3)_HARRIETSFIELD WG BACKGROUND LEVEL

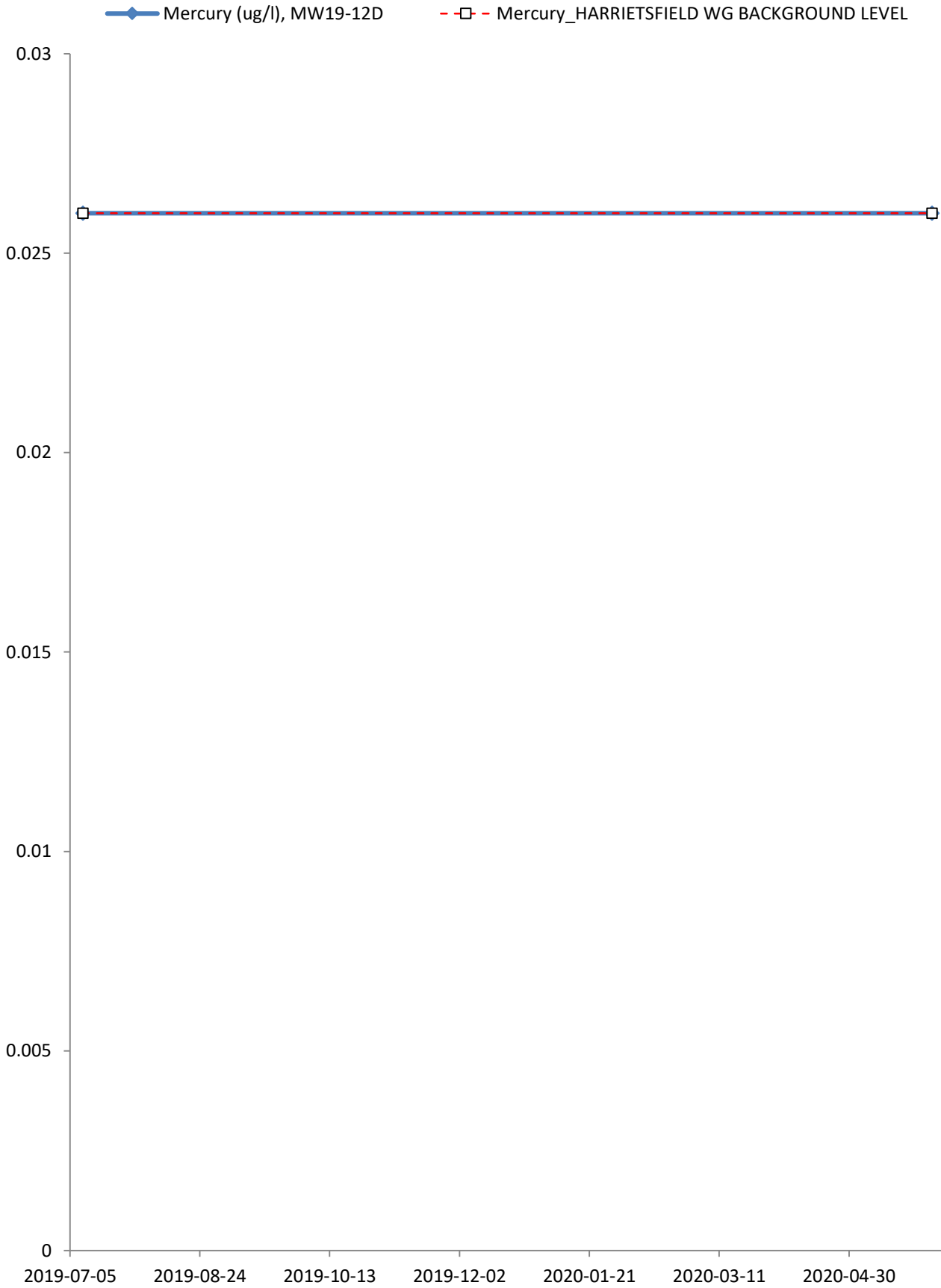




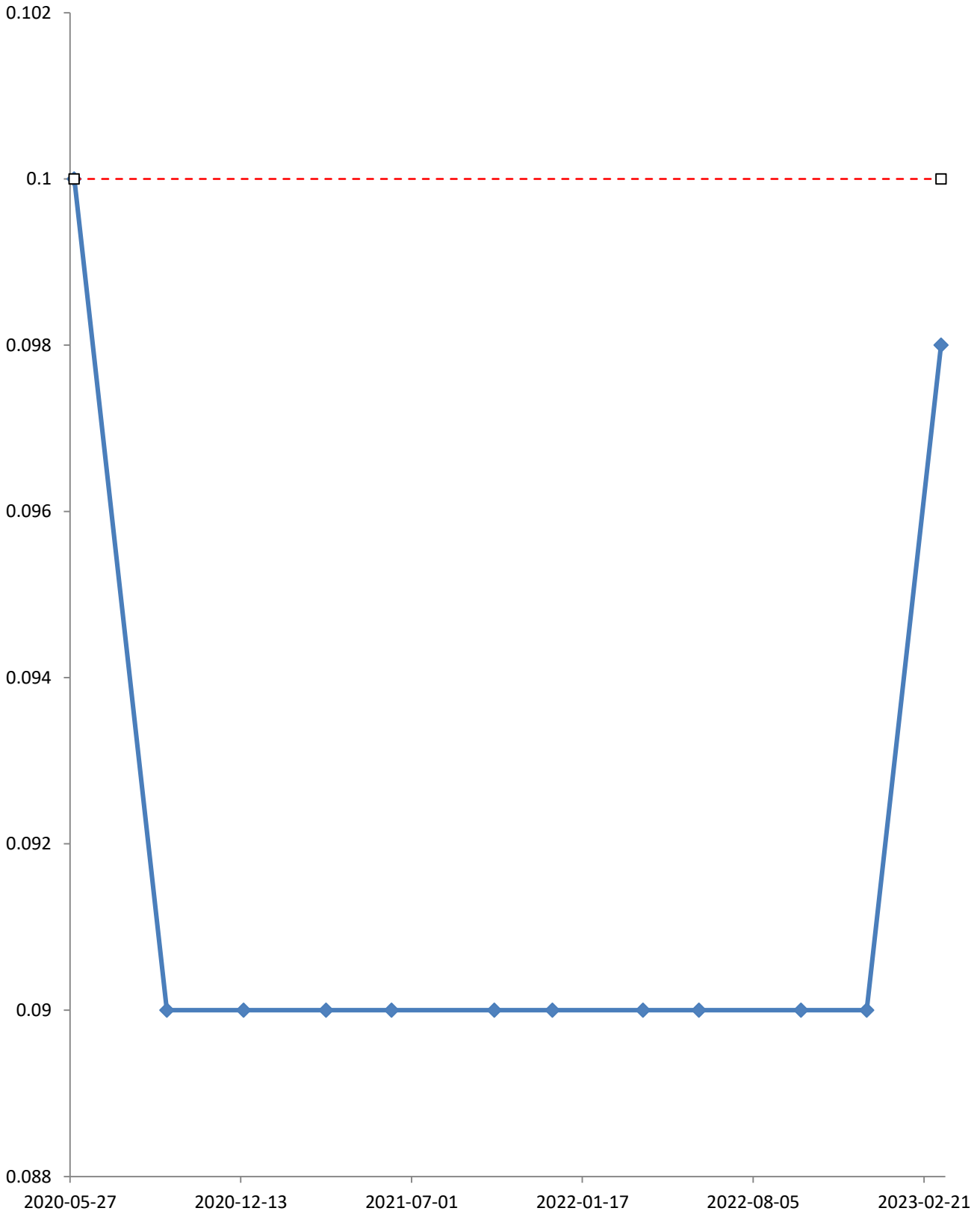




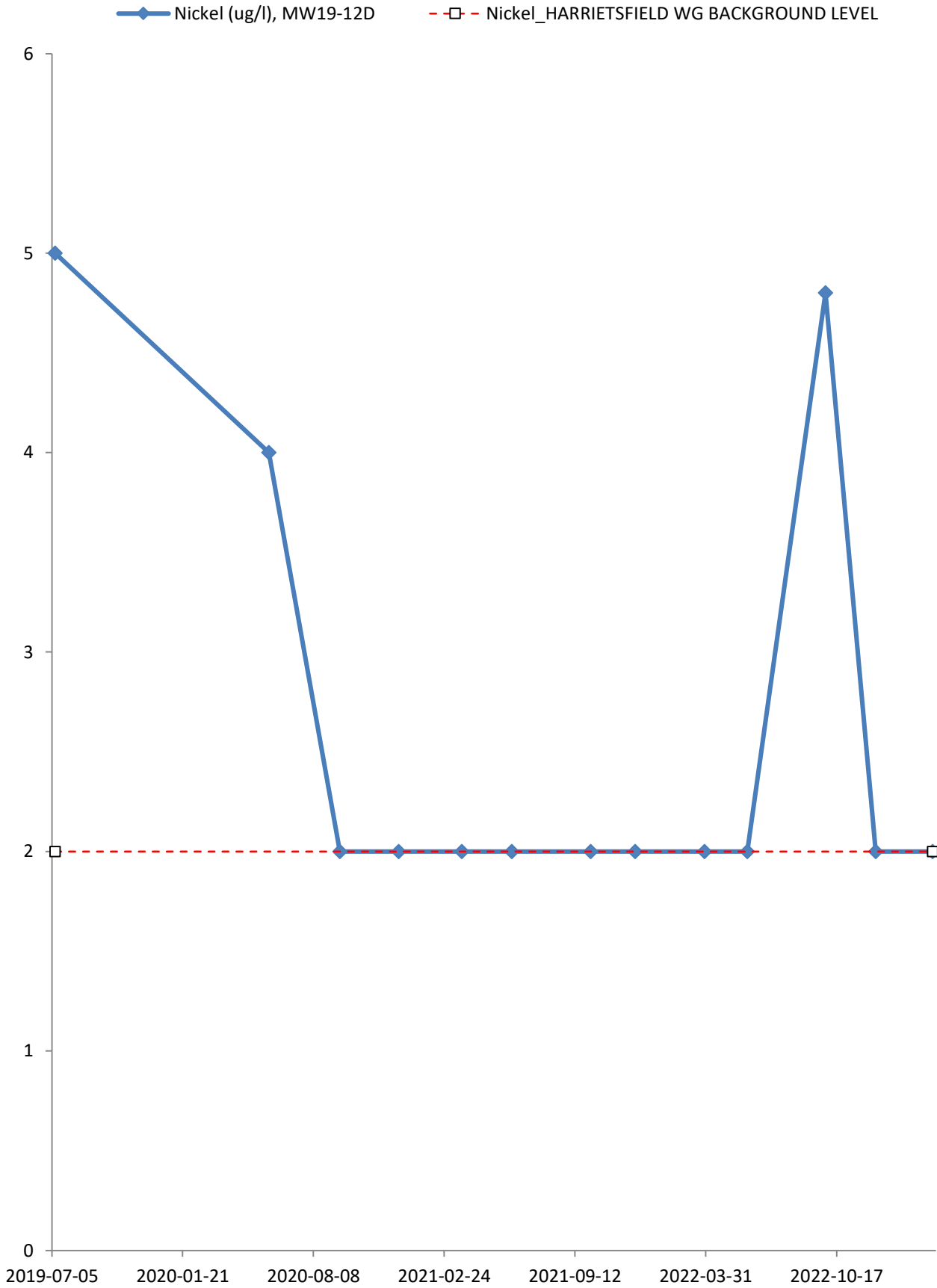


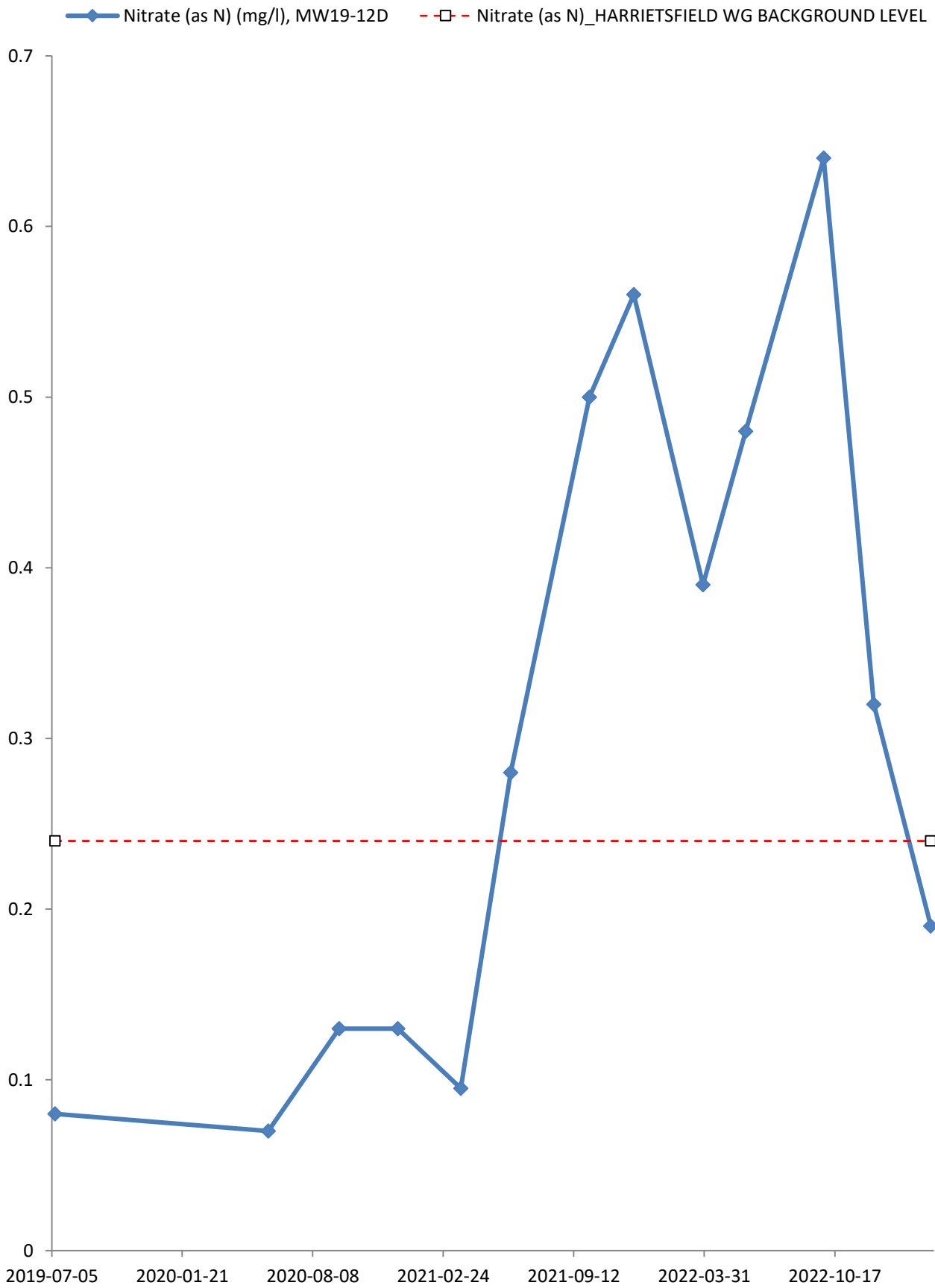


—◆— Modified TPH Tier 1 (mg/l), MW19-12D
- -□- - Modified TPH Tier 1_HARRIETSFIELD WG BACKGROUND LEVEL

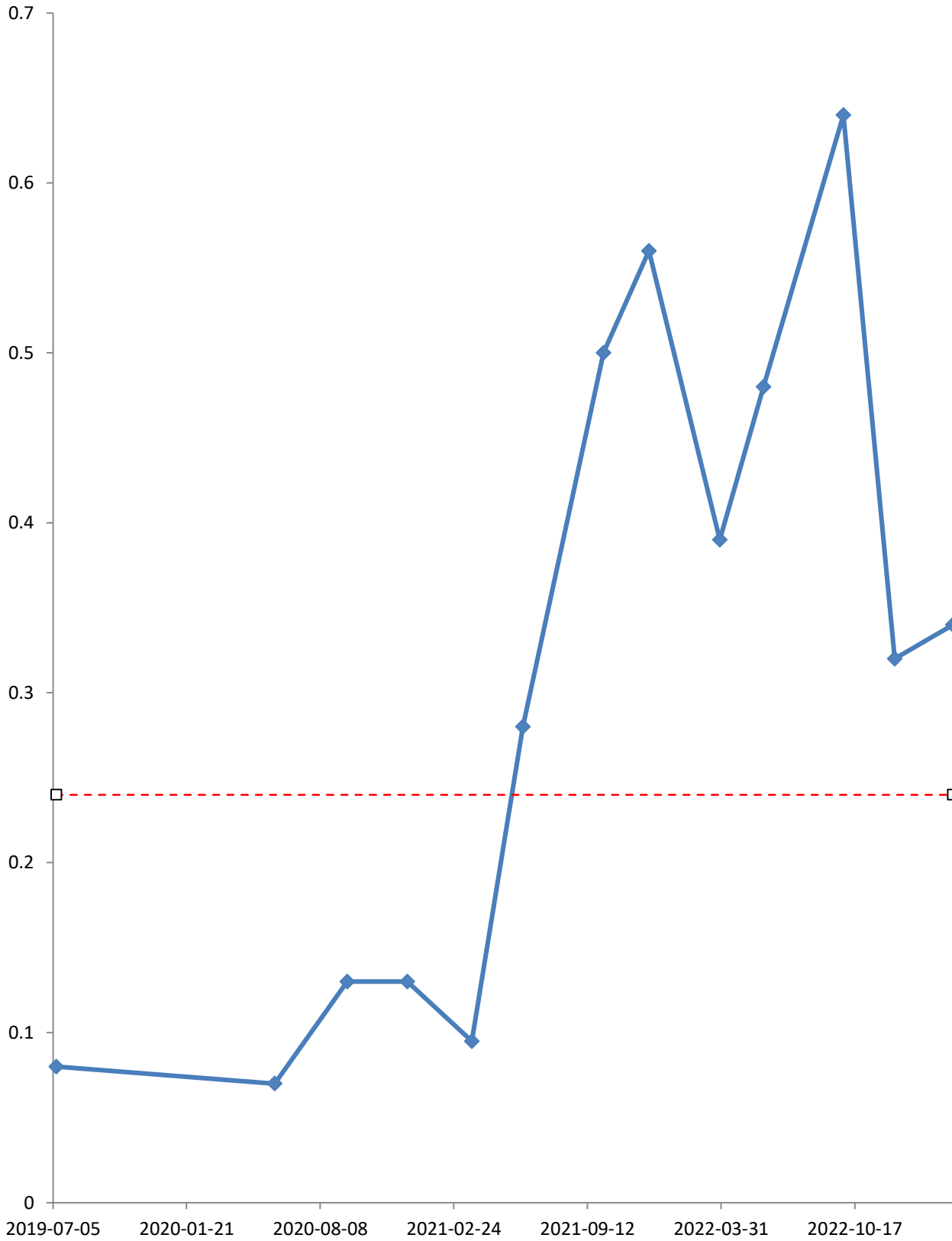


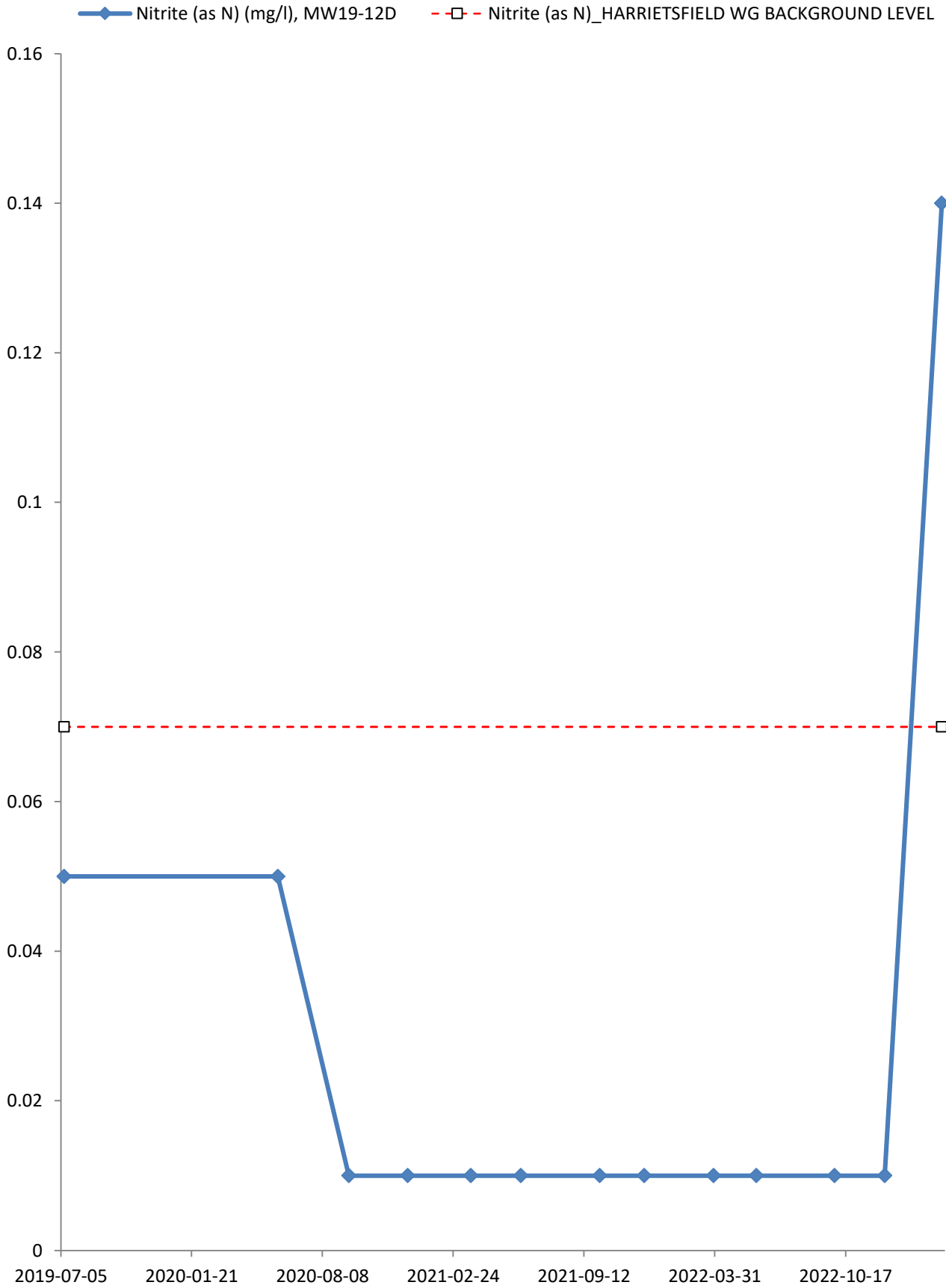




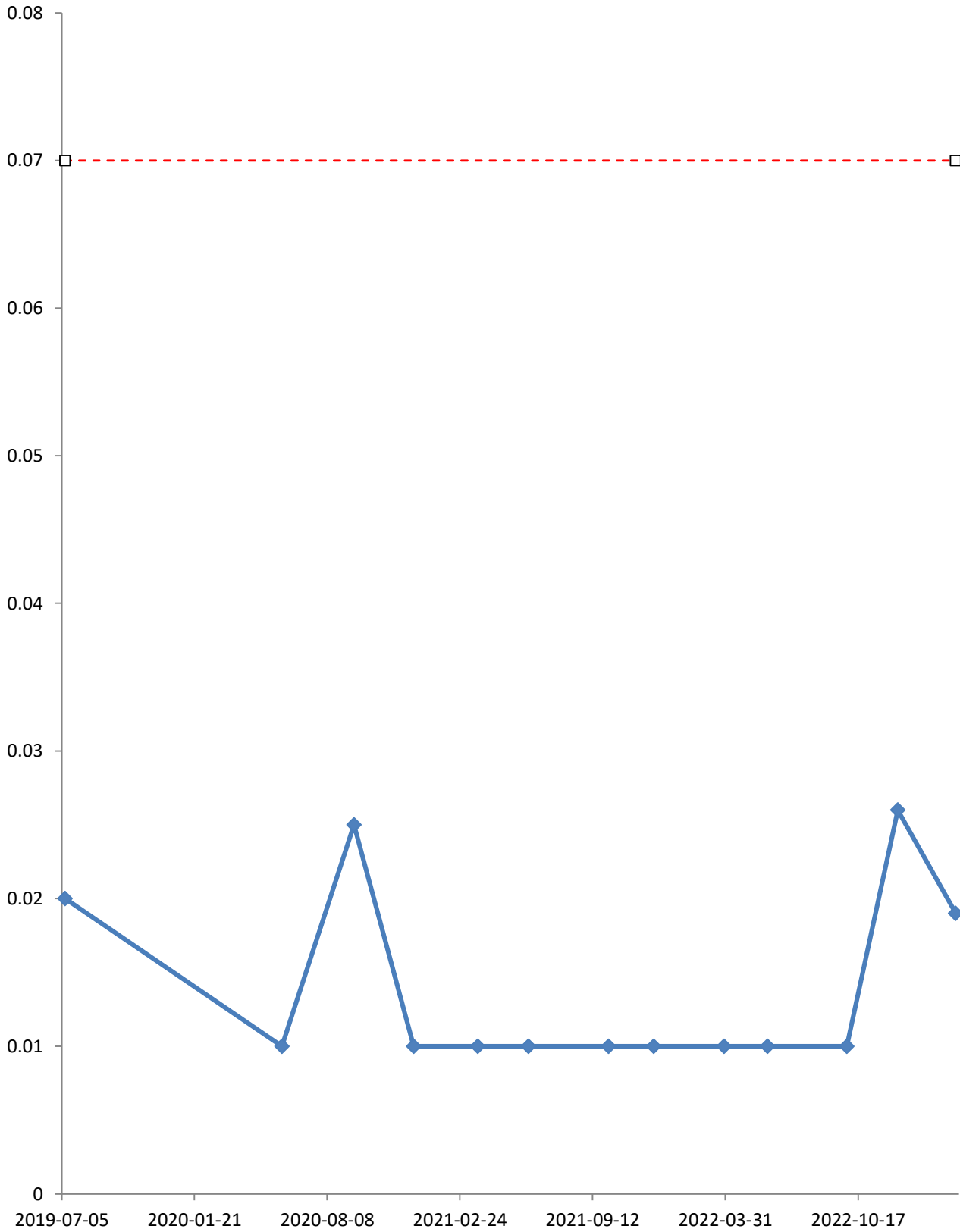


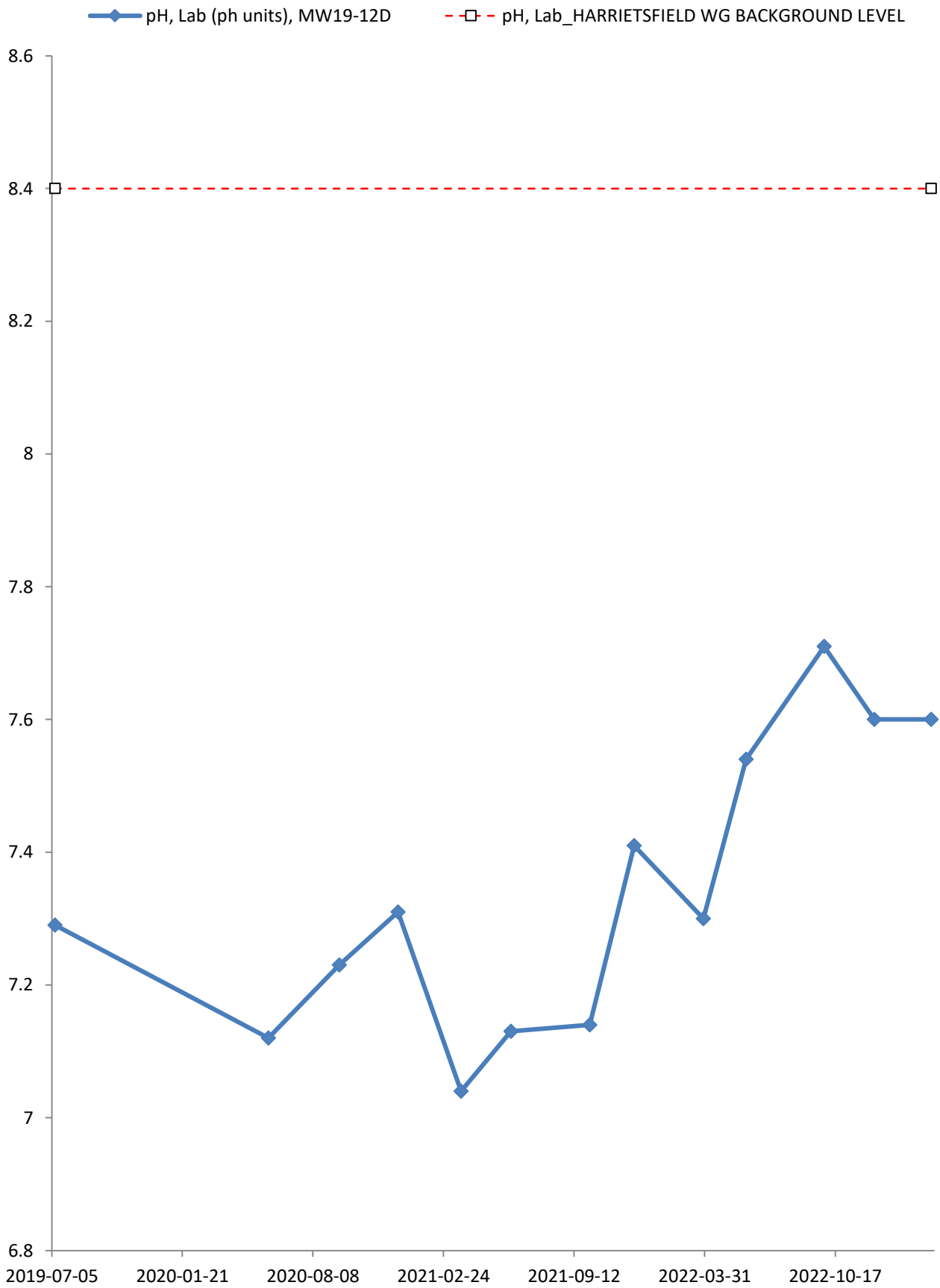
- ◆ Nitrate plus Nitrite (N) (mg/l), MW19-12D
- Nitrate plus Nitrite (N)_HARRIETSFIELD WG BACKGROUND LEVEL

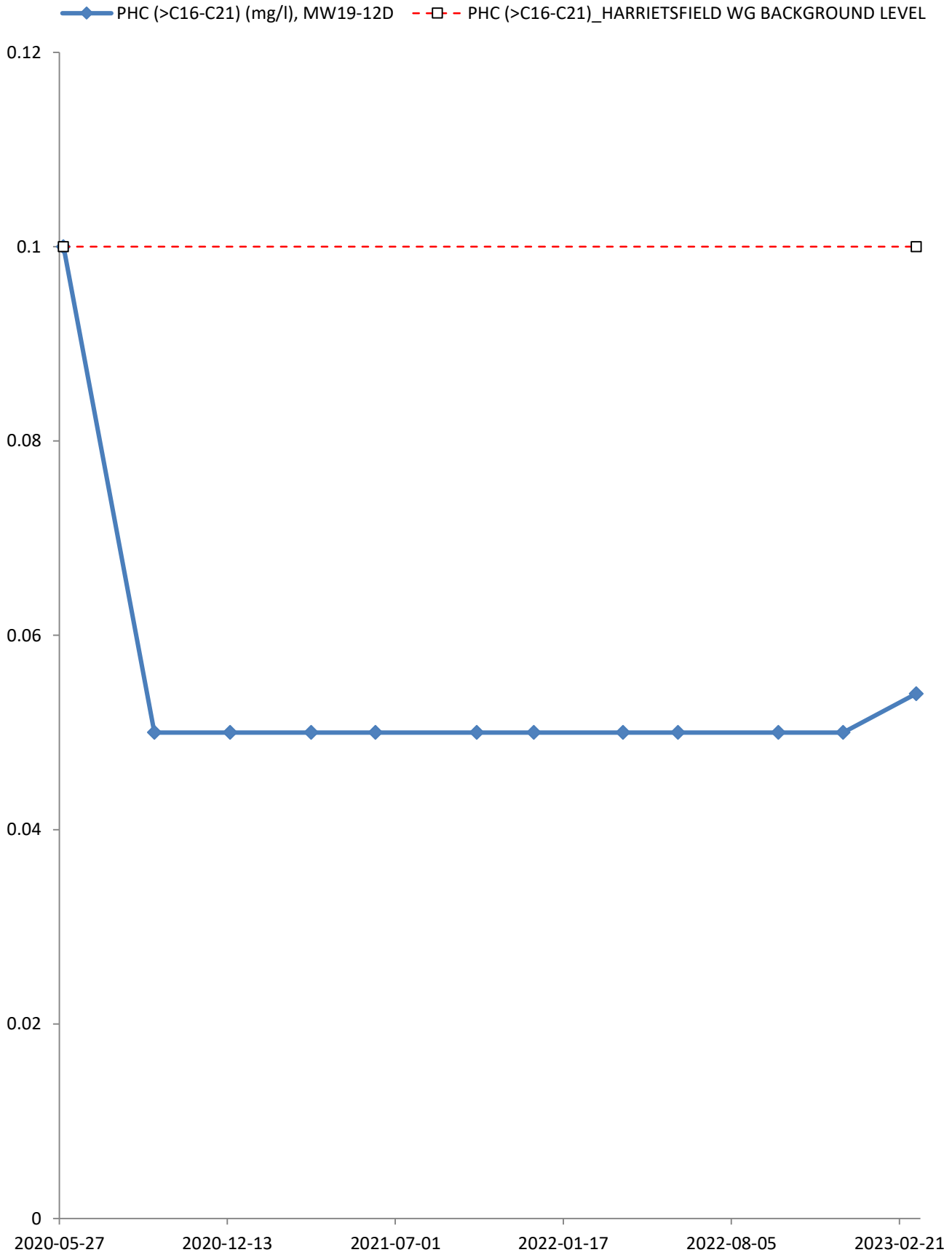


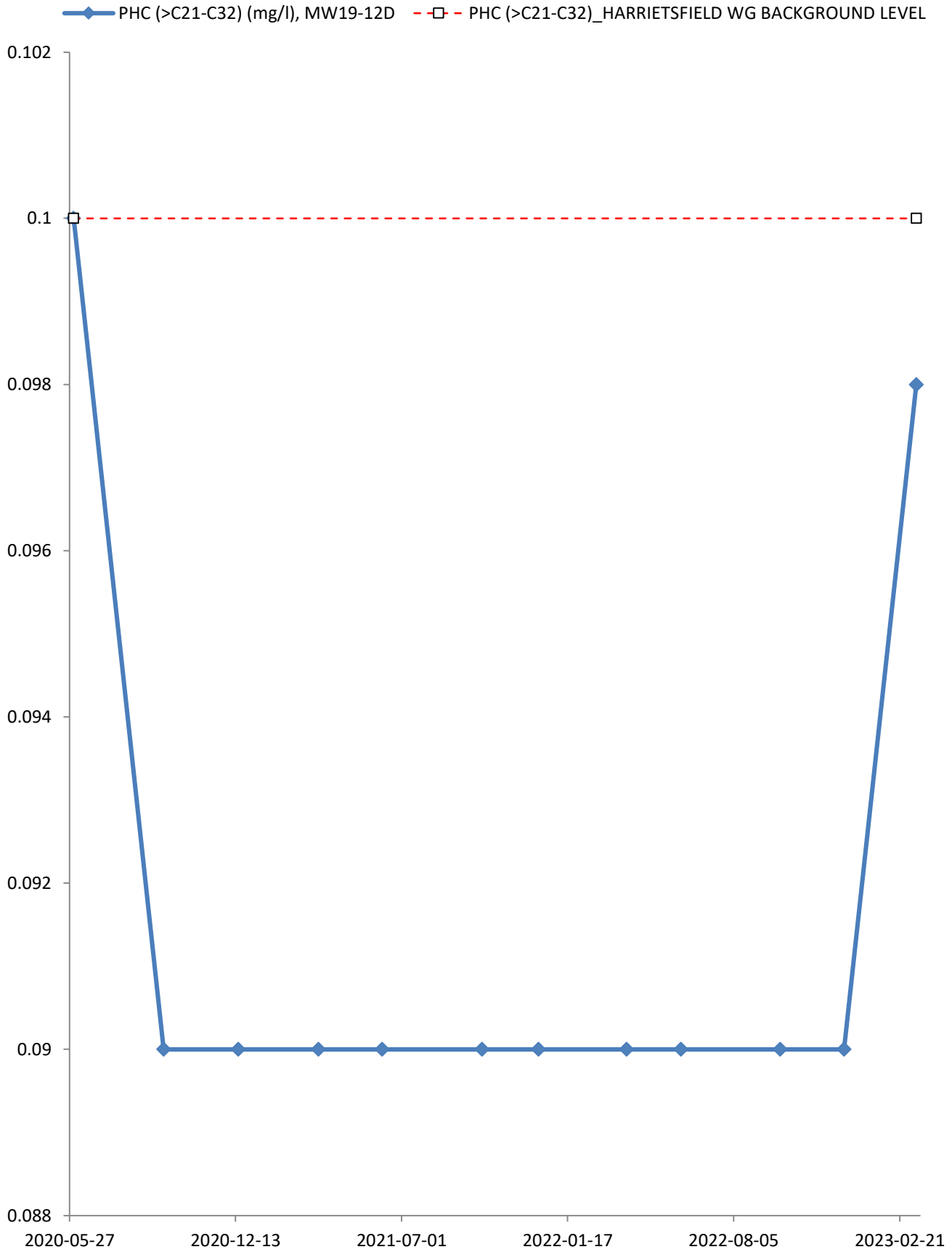


—◆— Orthophosphate(as P) (mg/l), MW19-12D
- -□- - Orthophosphate(as P)_HARRIETSFIELD WG BACKGROUND LEVEL

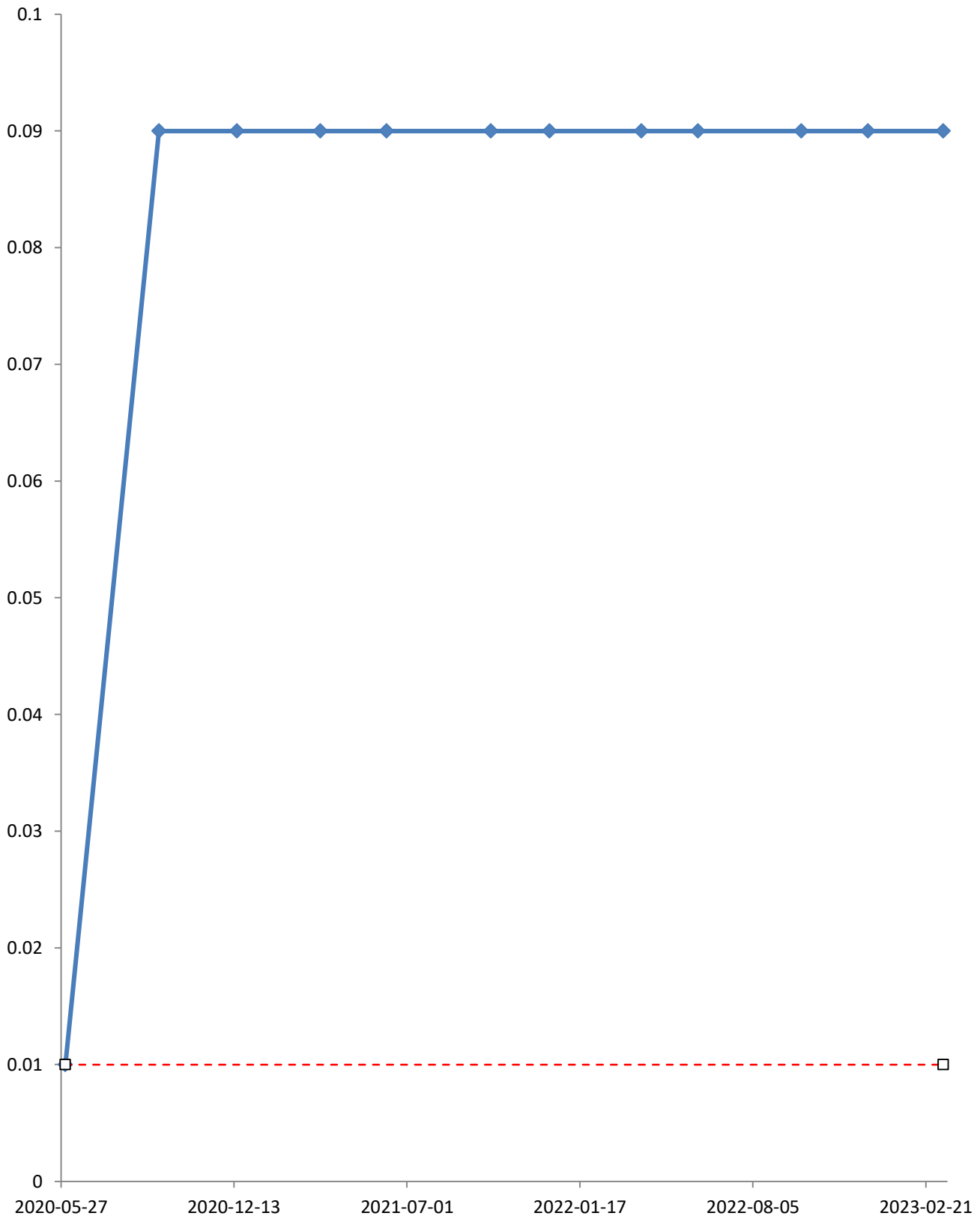




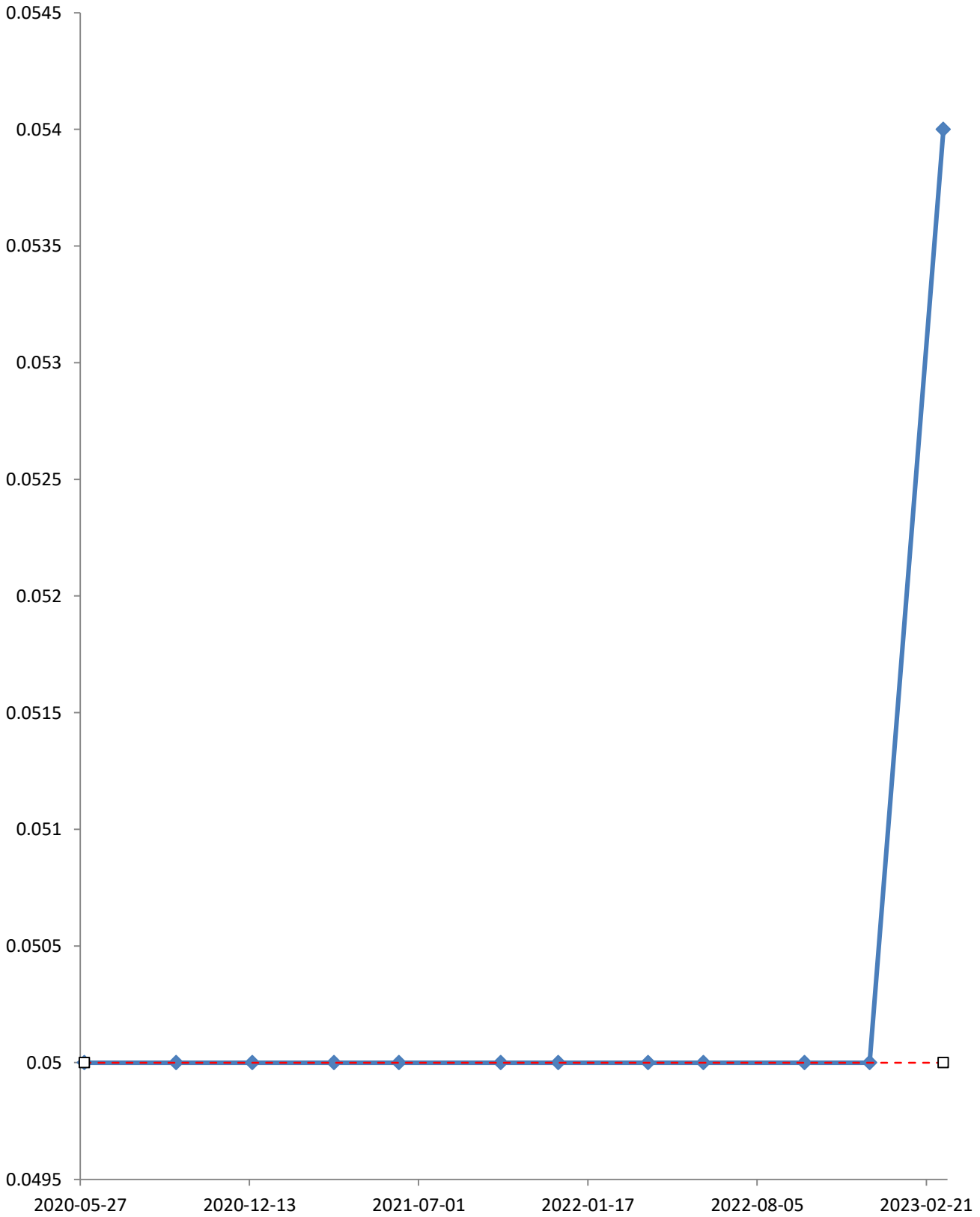


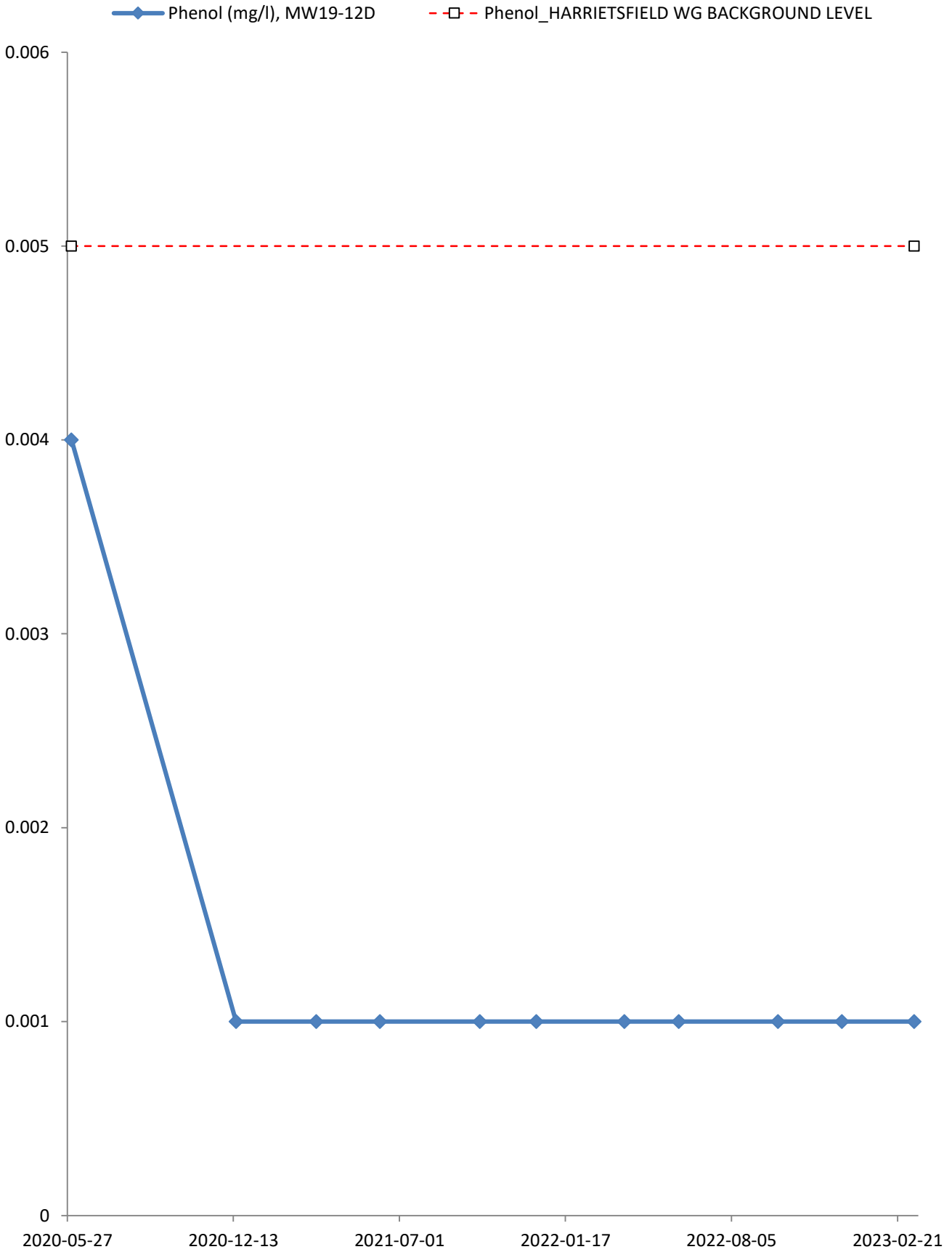


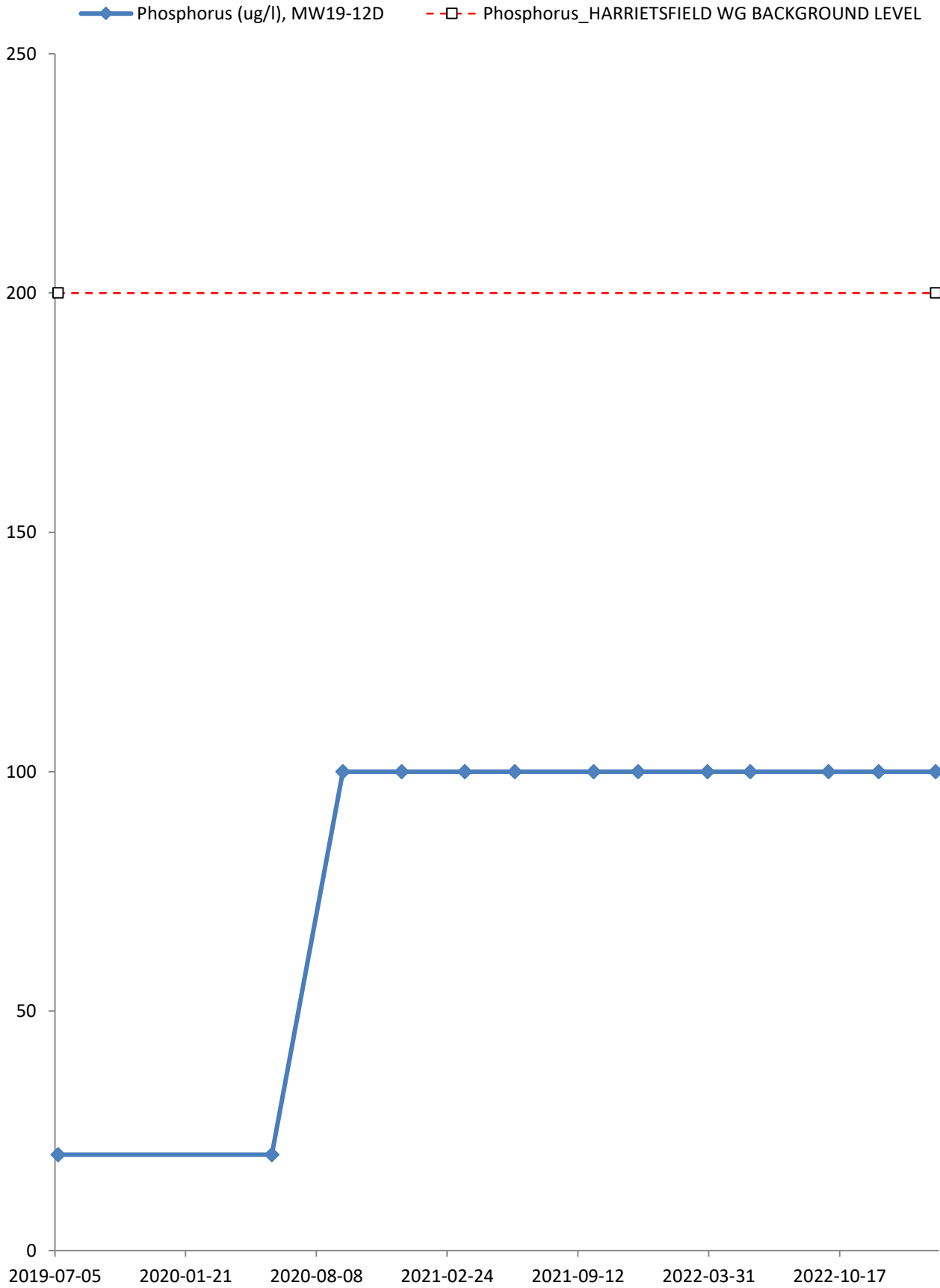
—◆— PHC F1 (C6-C10) min BTEX (mg/l), MW19-12D
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WG BACKGROUND LEVEL

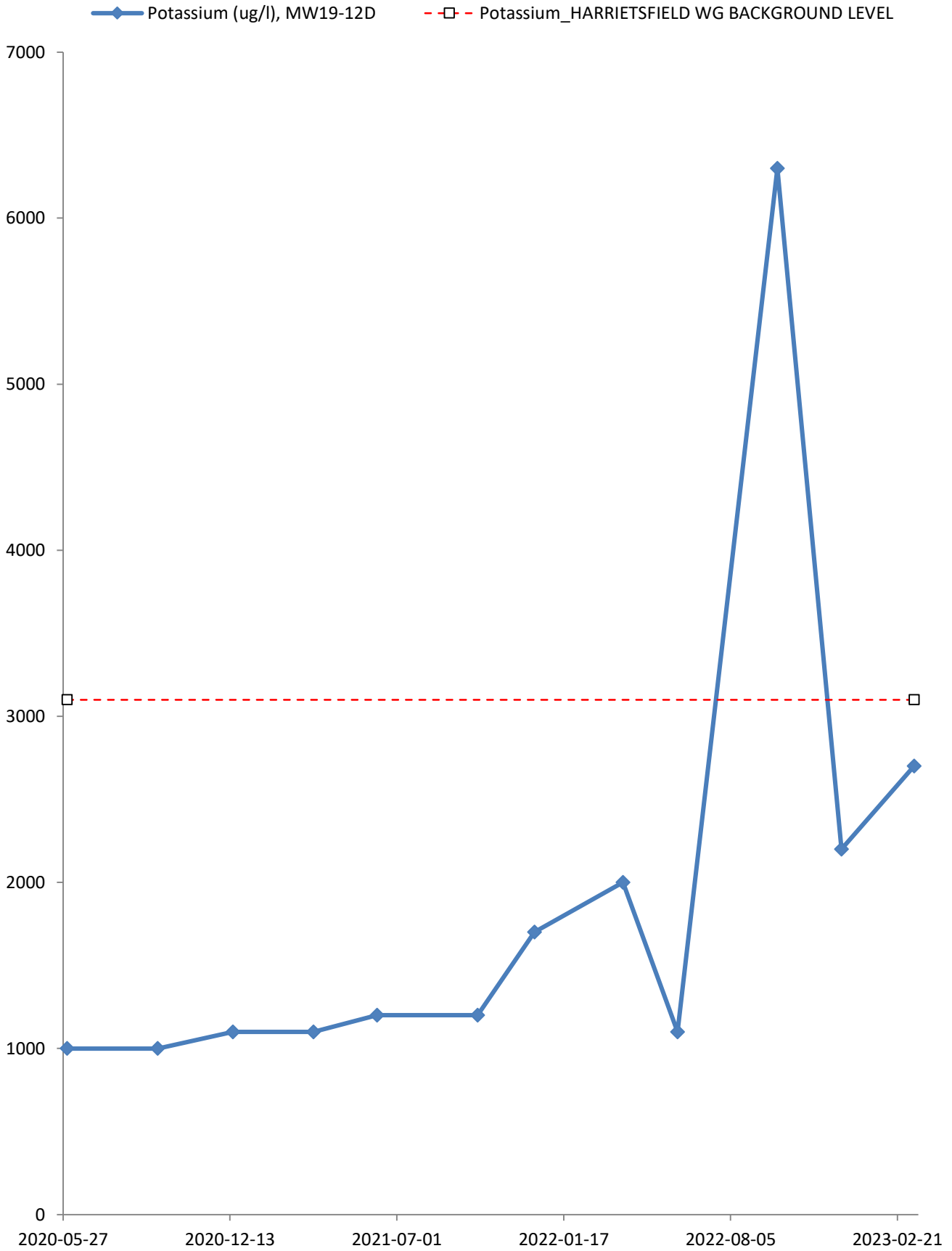


—◆— PHC F2 (>C10-C16) (mg/l), MW19-12D
- -□- - PHC F2 (>C10-C16)_HARRIETSFIELD WG BACKGROUND LEVEL

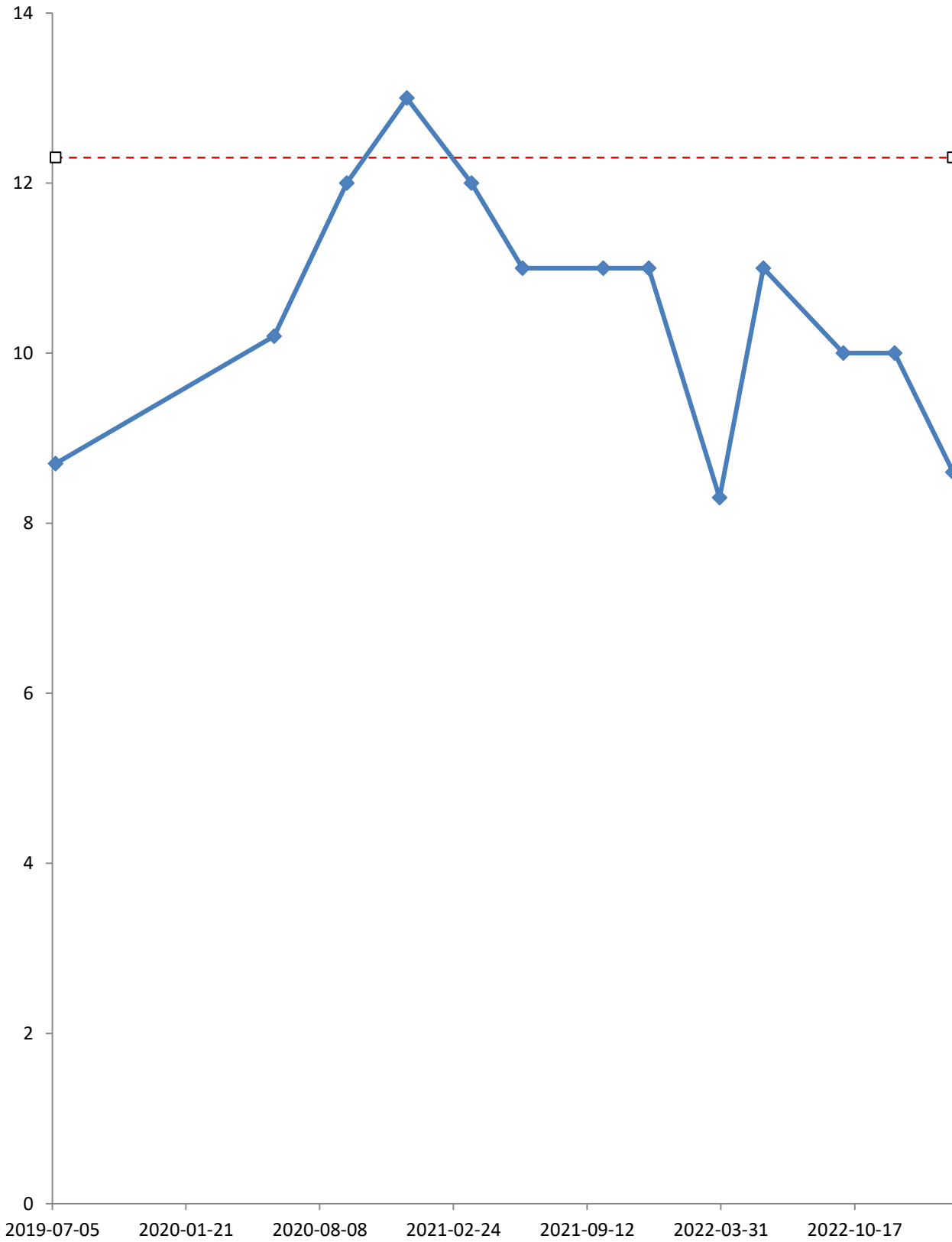


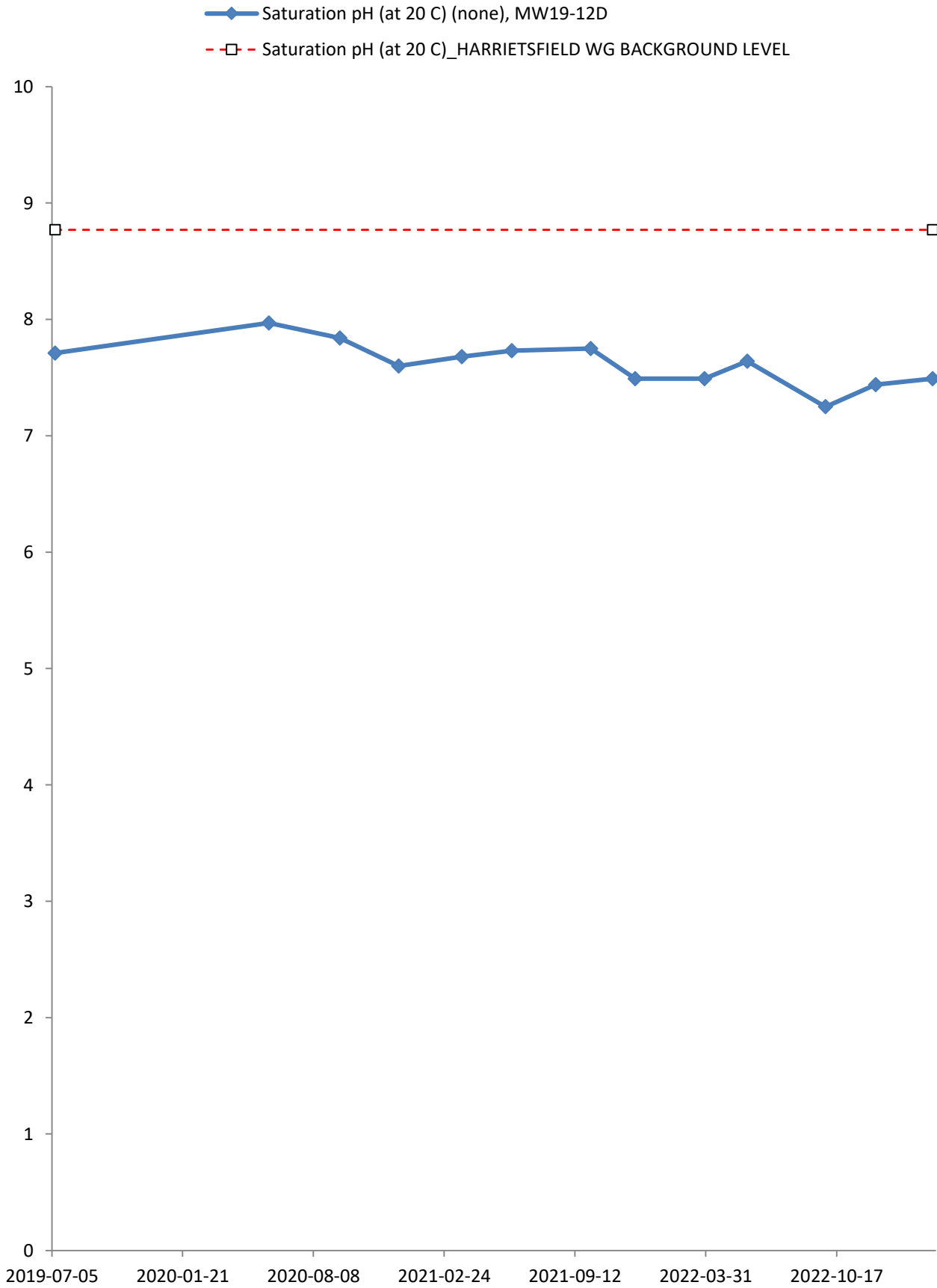


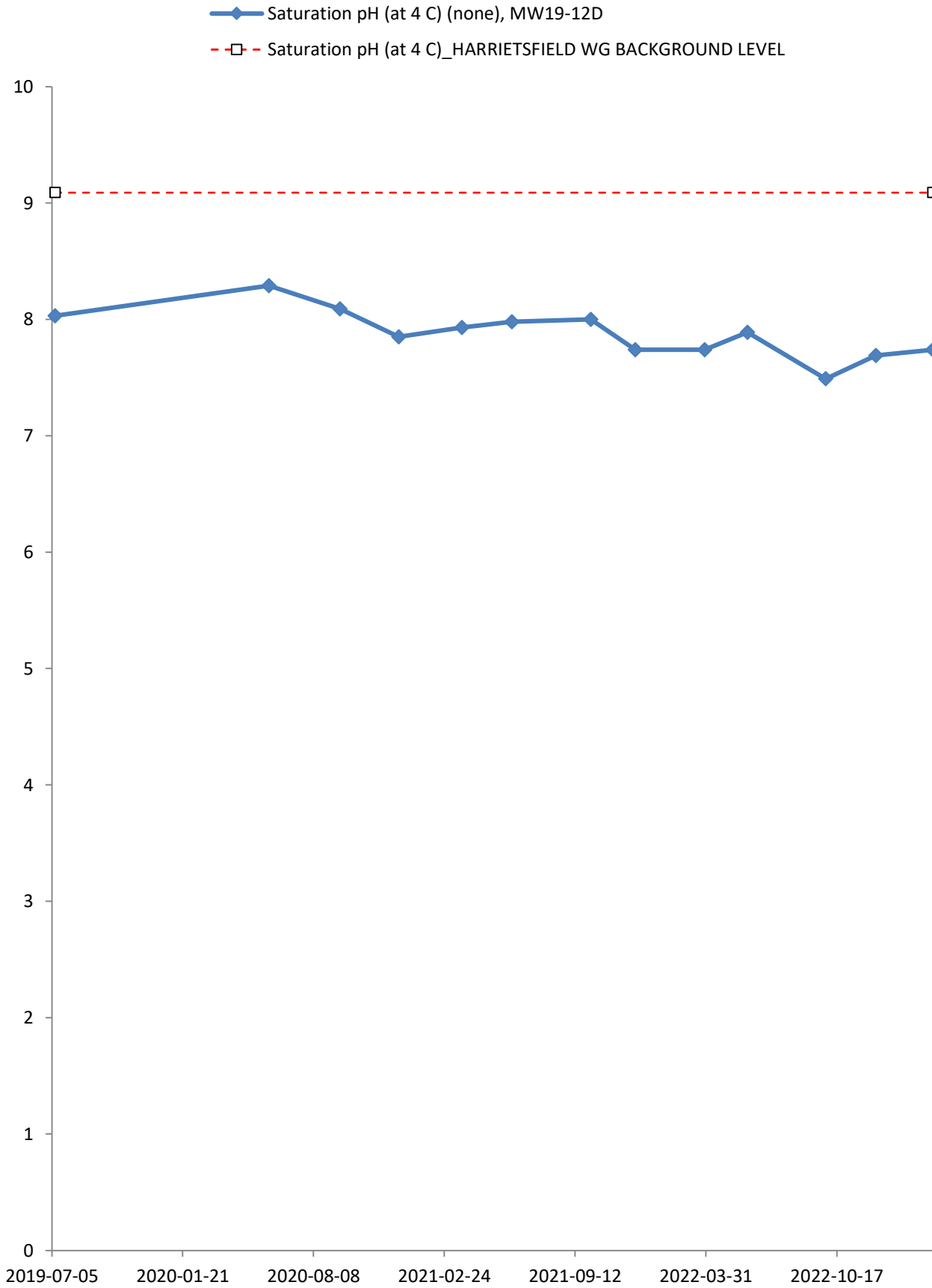


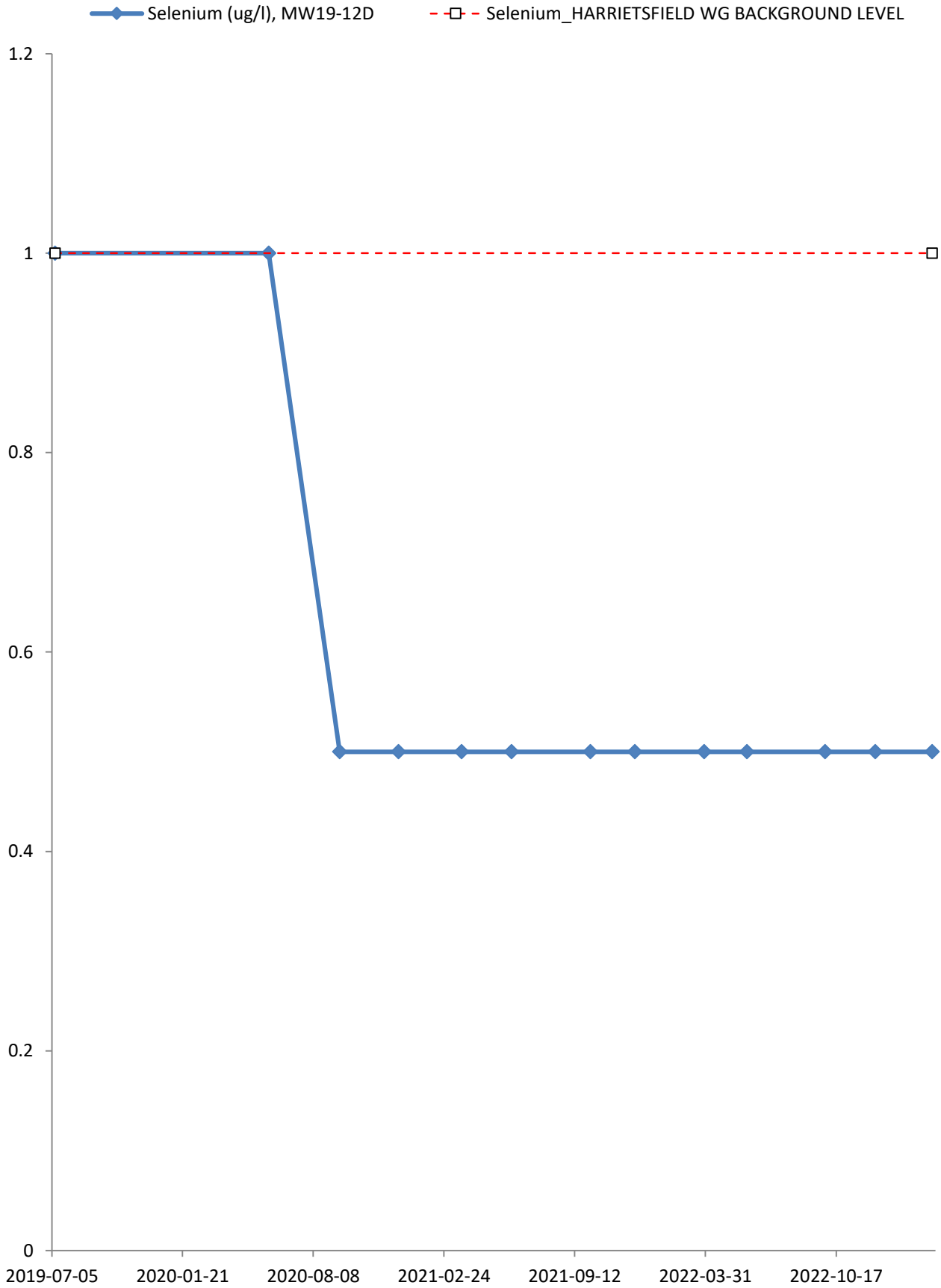


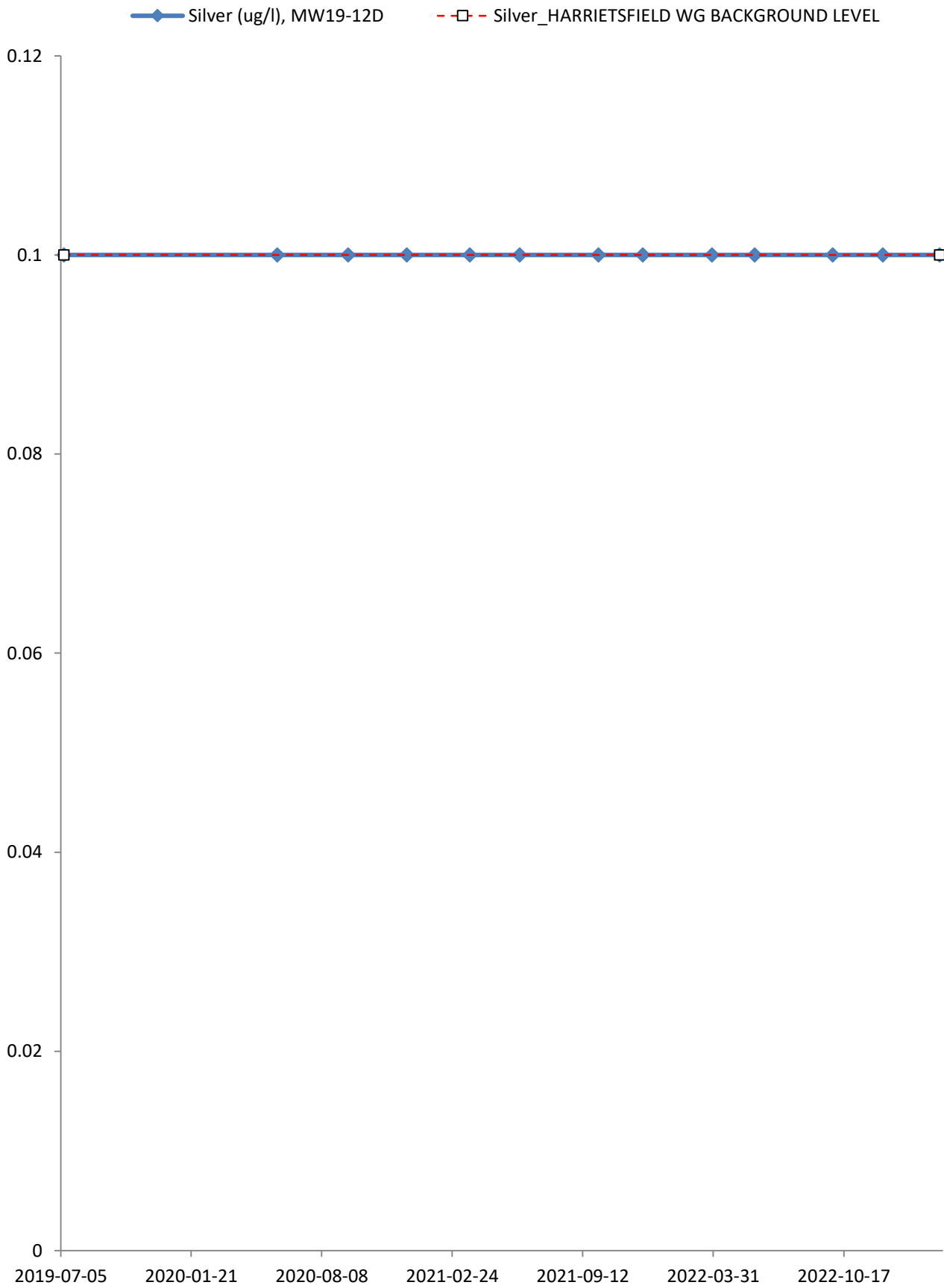
—◆— Reactive Silica (SiO₂) (mg/l), MW19-12D
- -□- - Reactive Silica (SiO₂)_HARRIETSFIELD WG BACKGROUND LEVEL

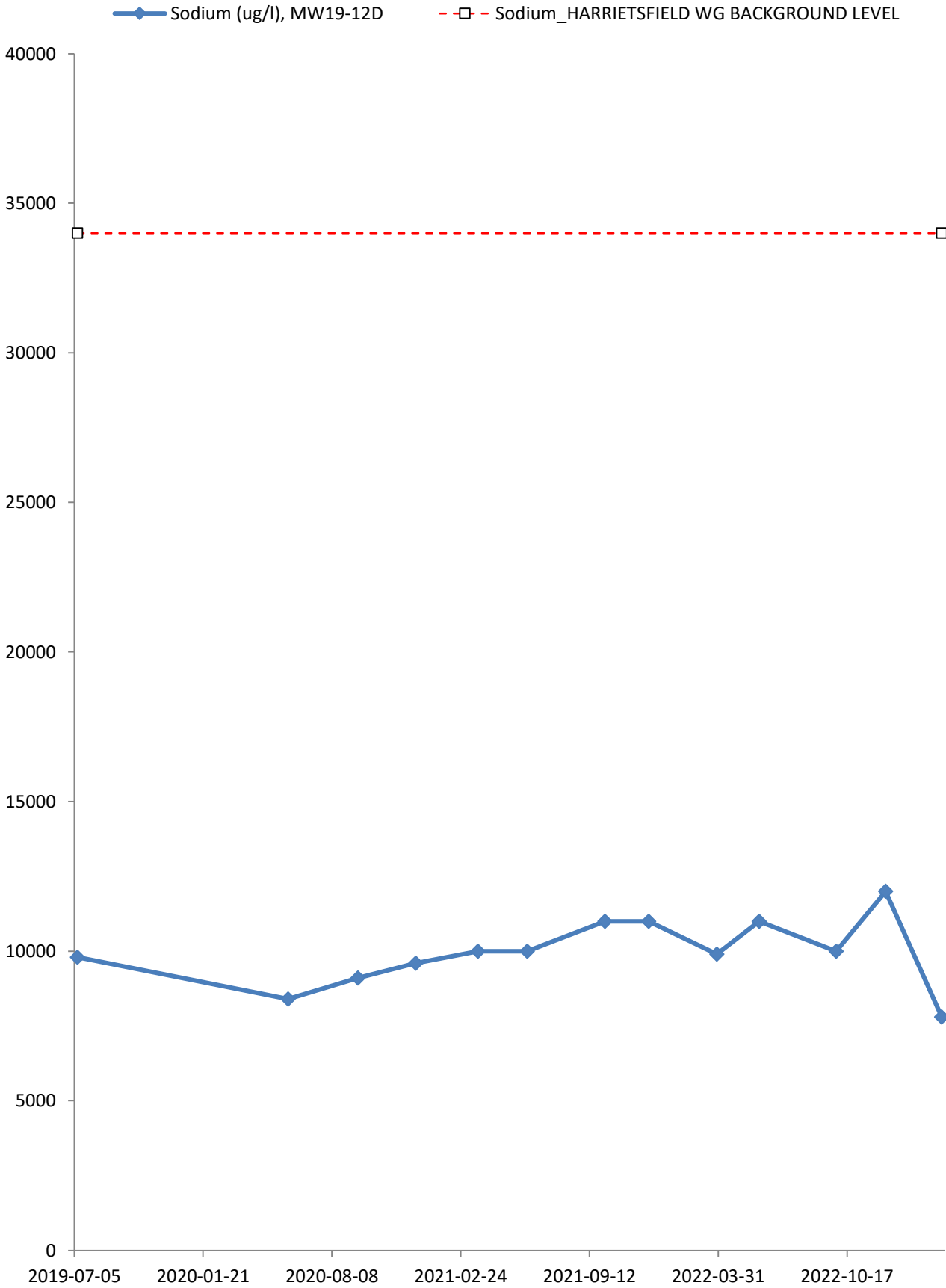


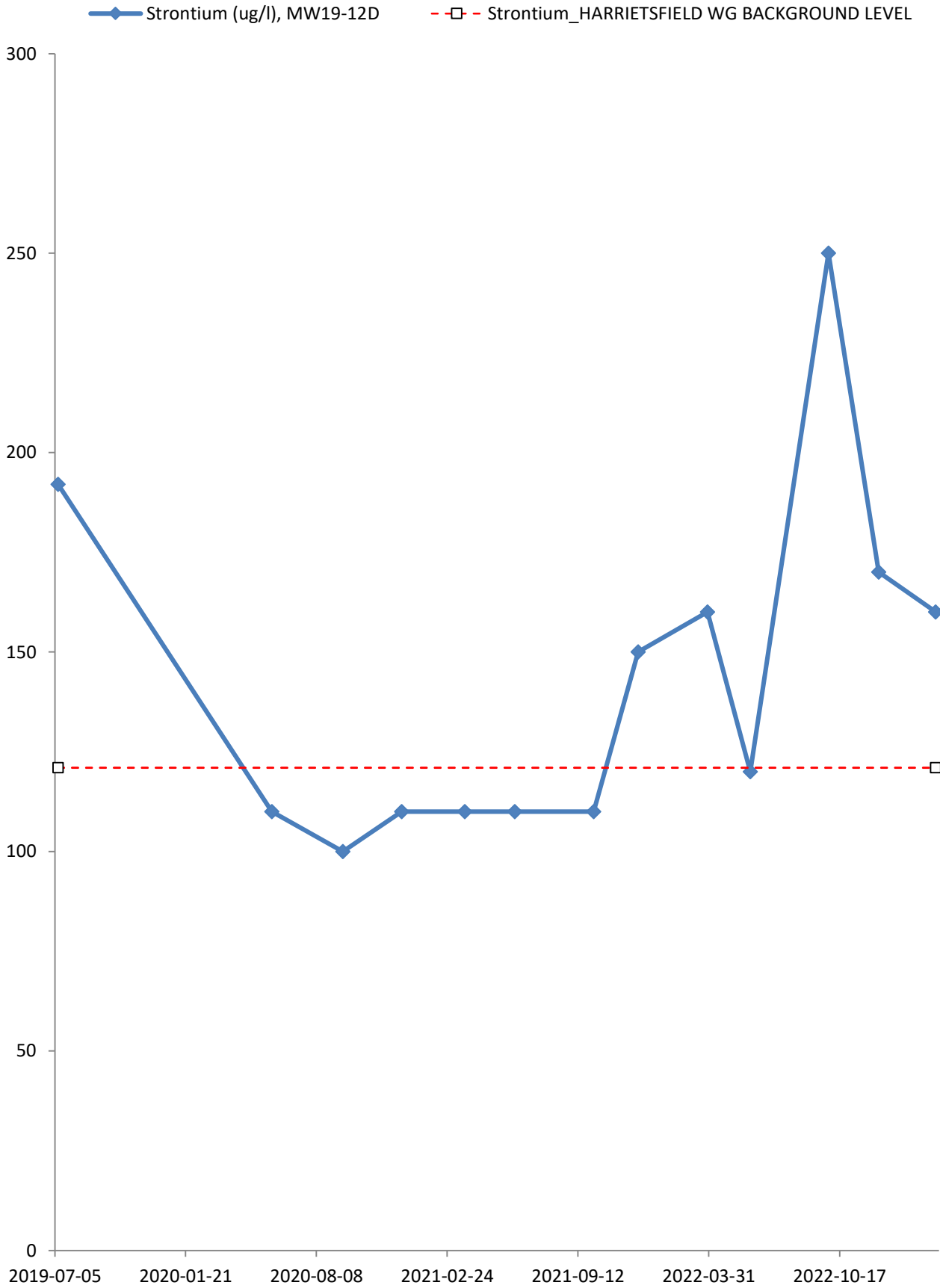


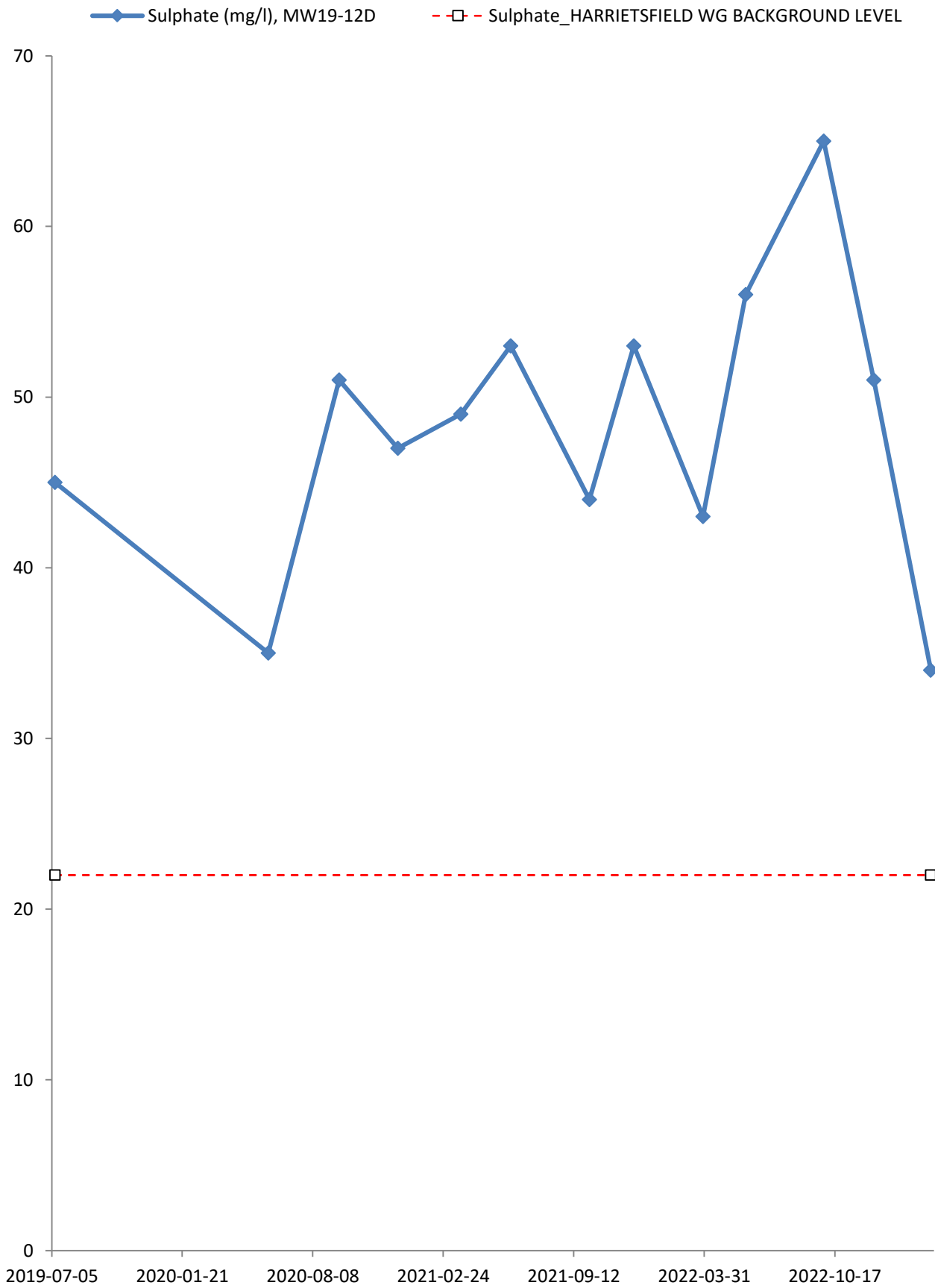


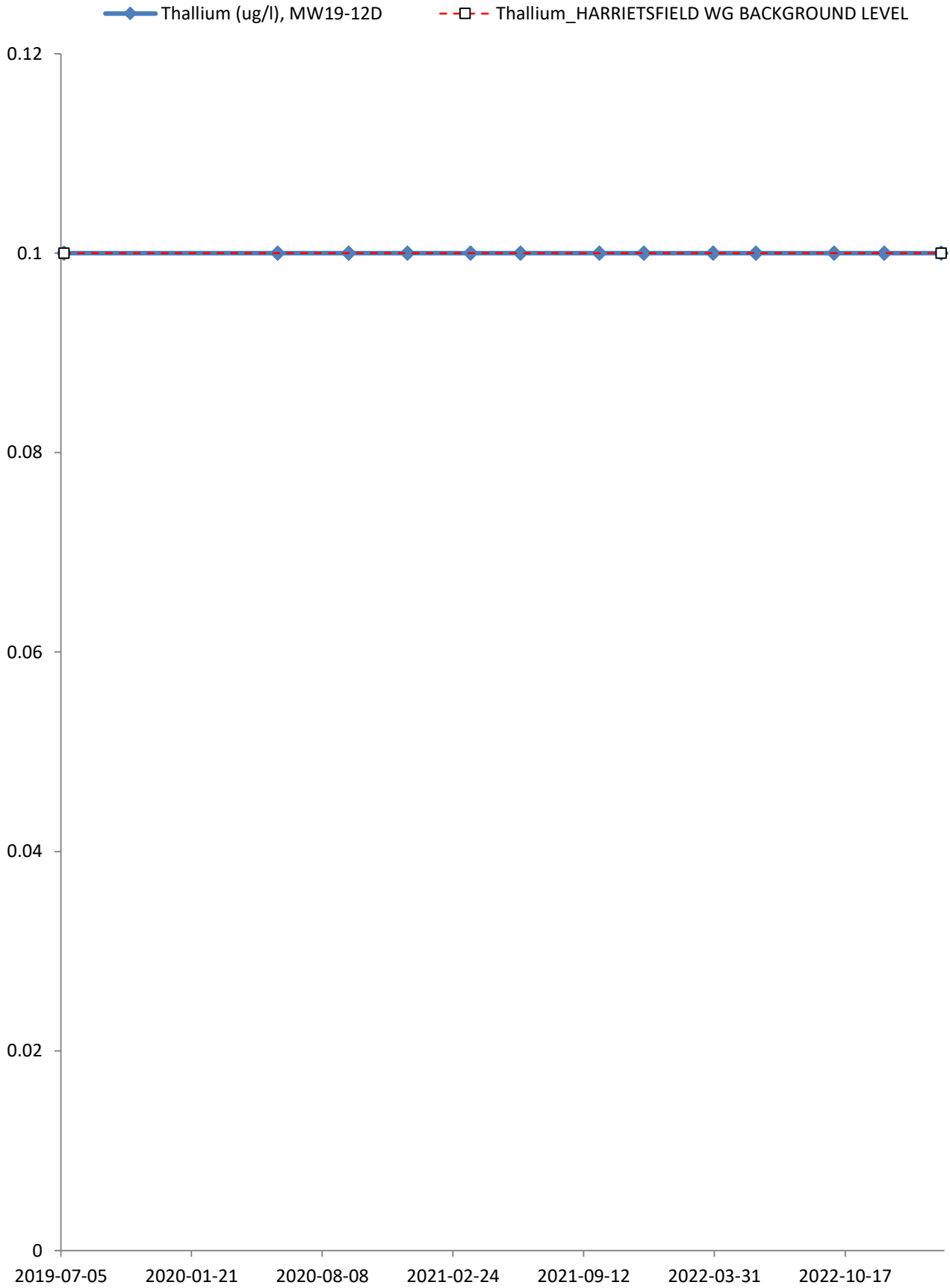


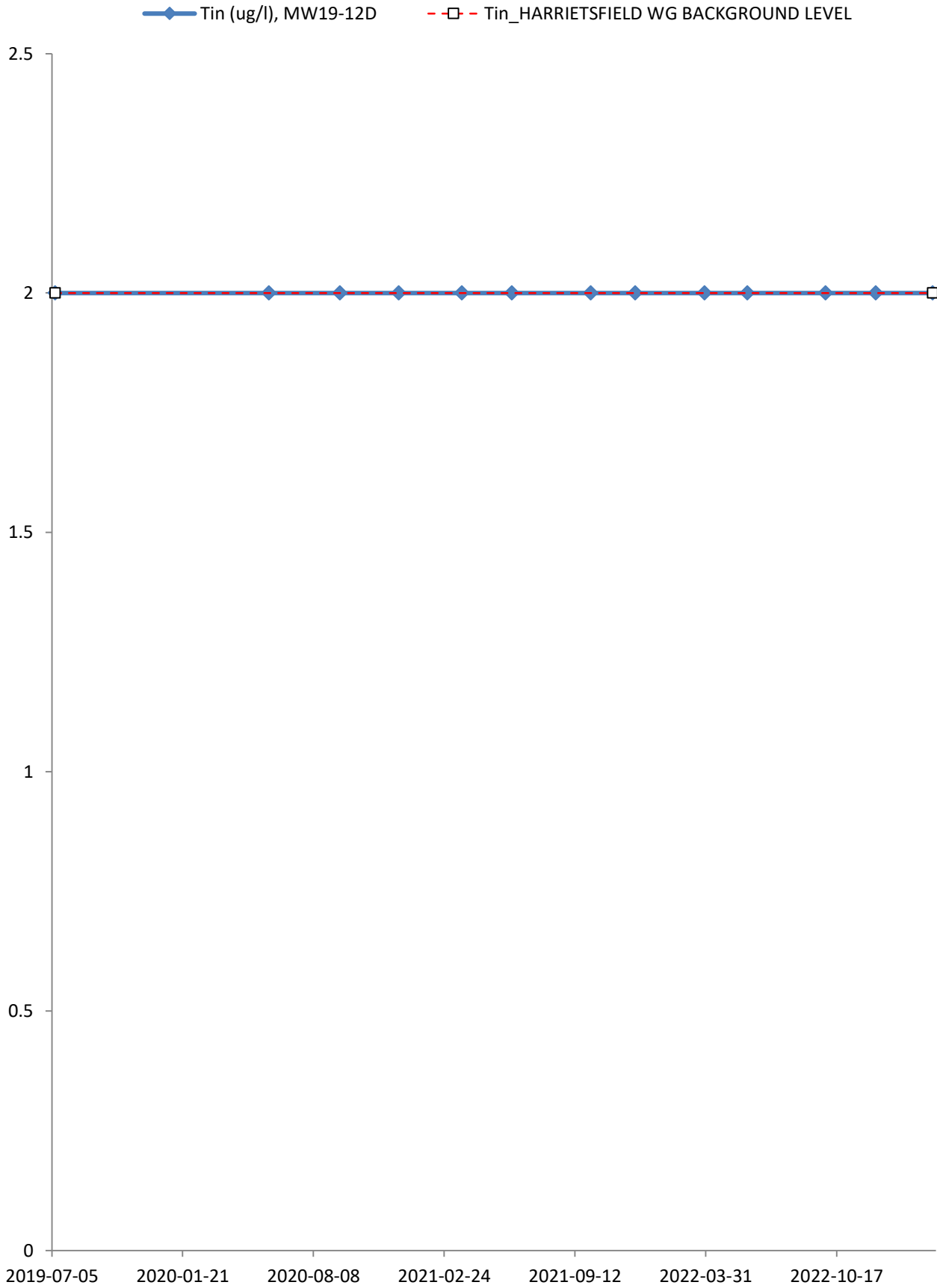


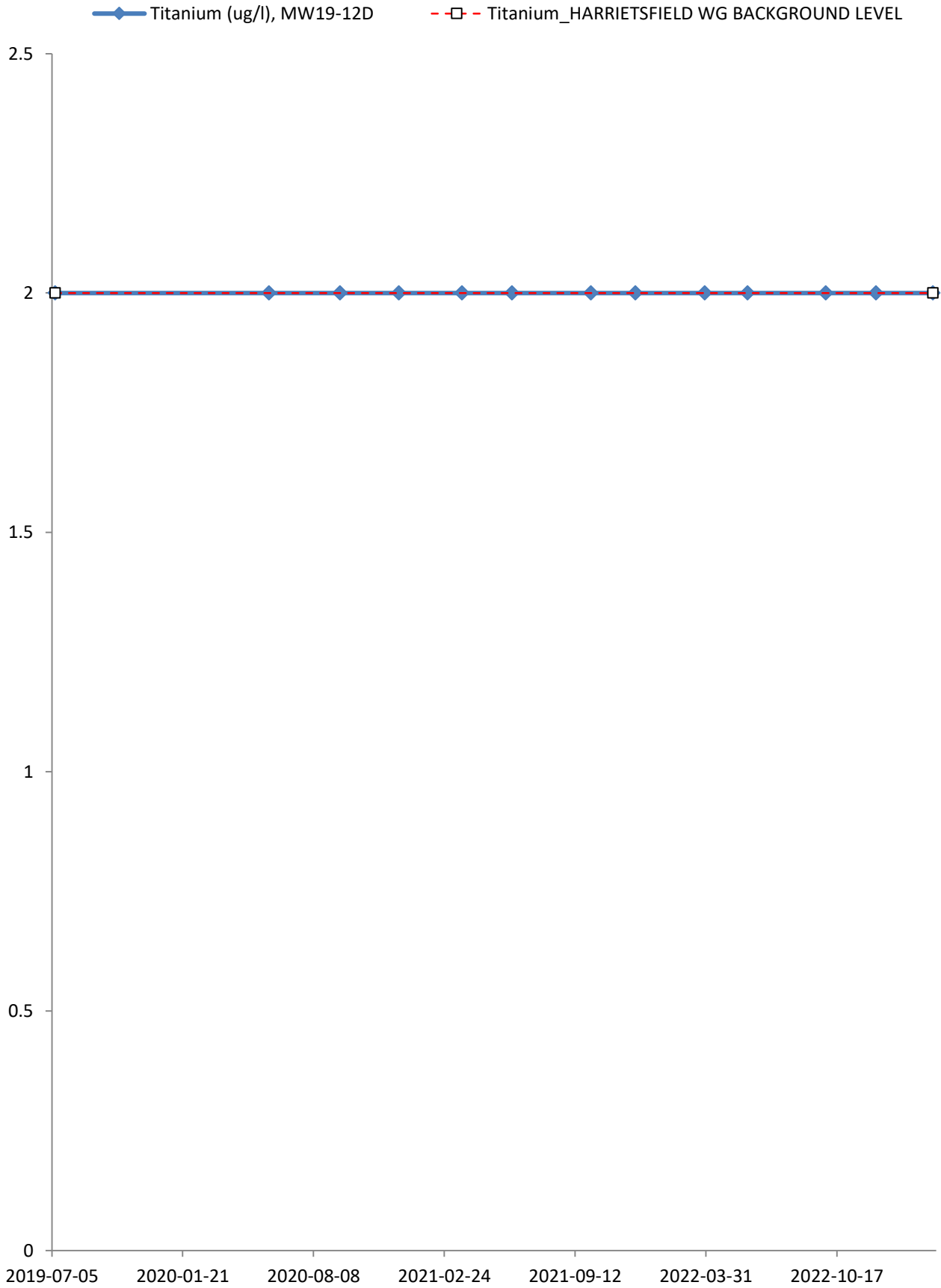


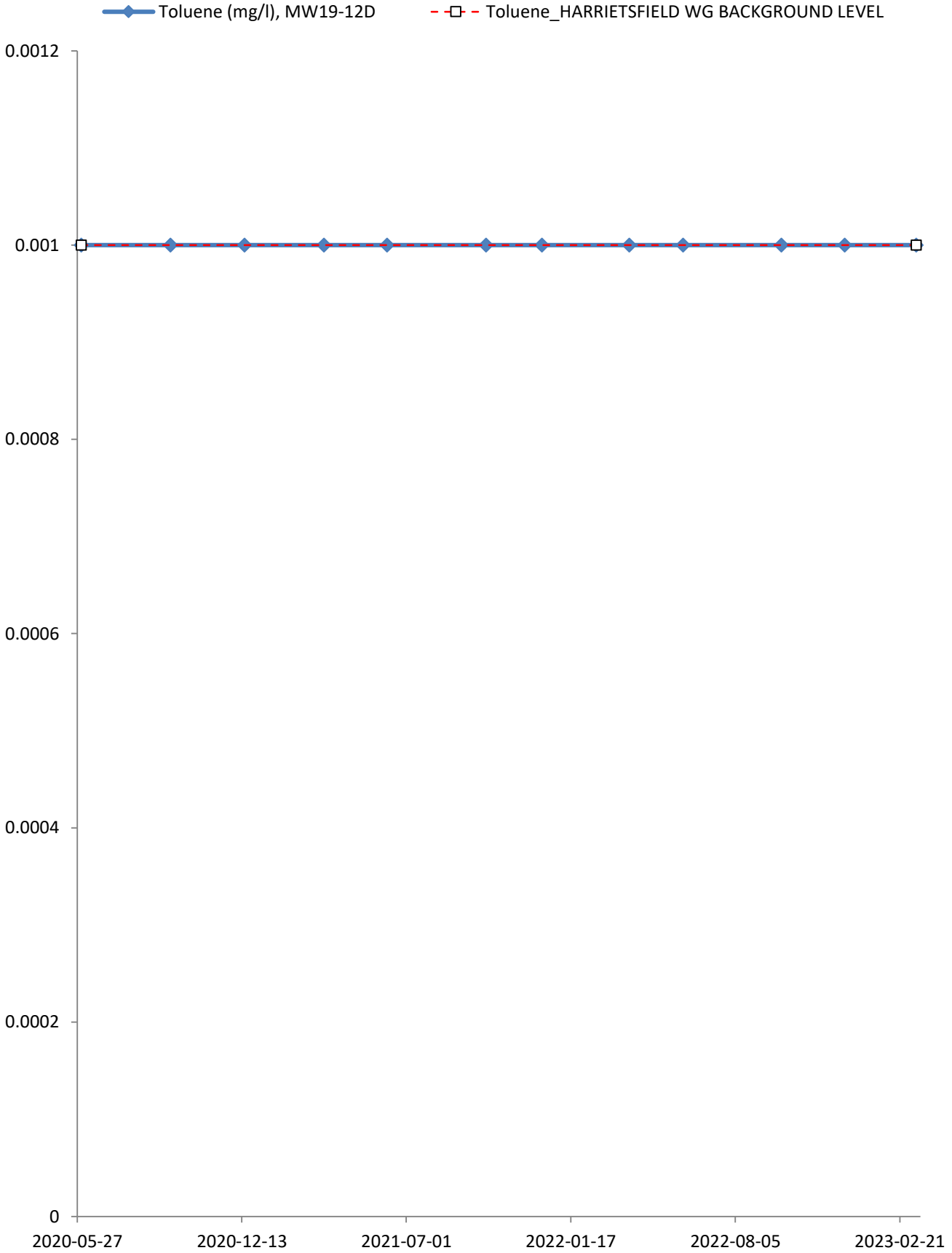




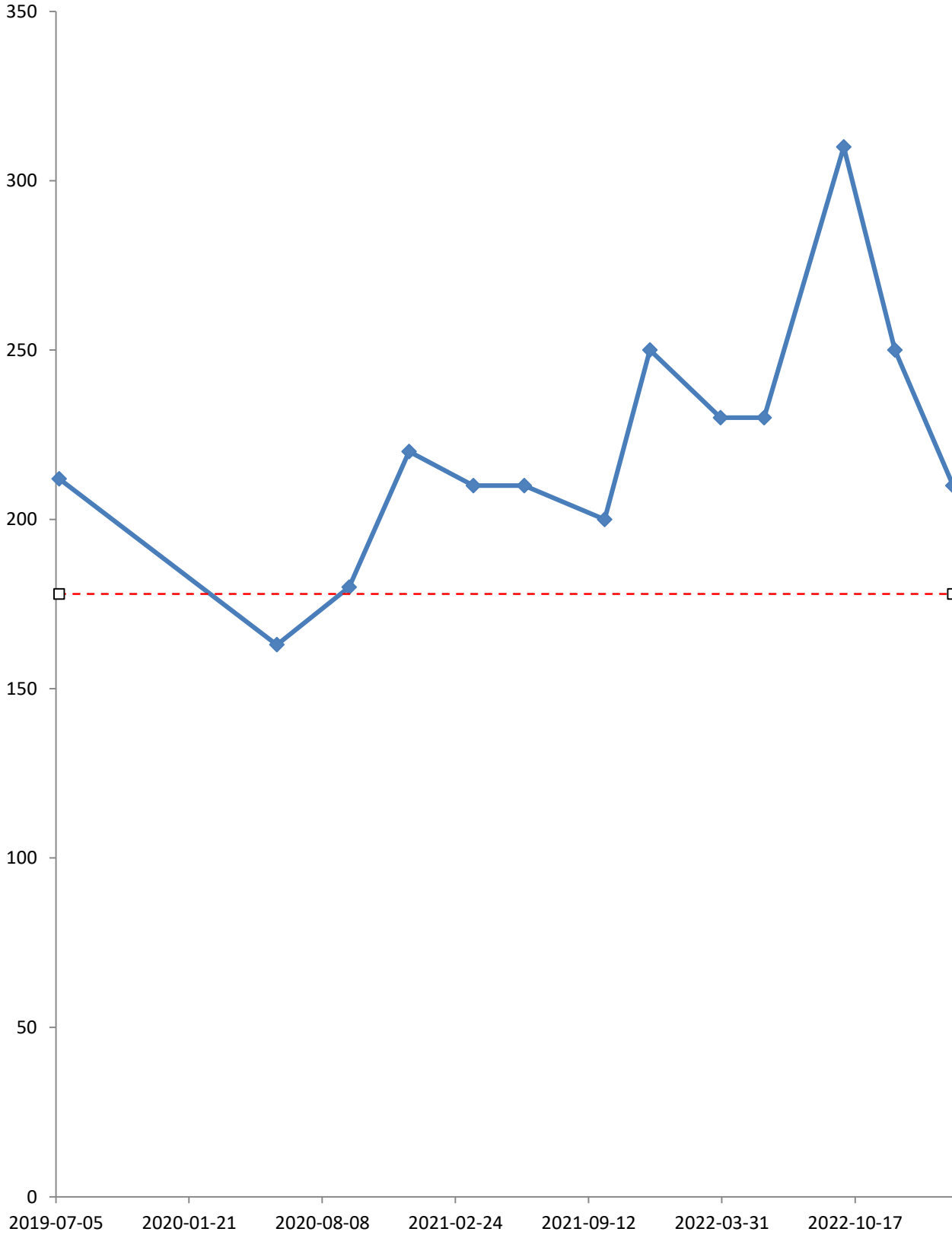




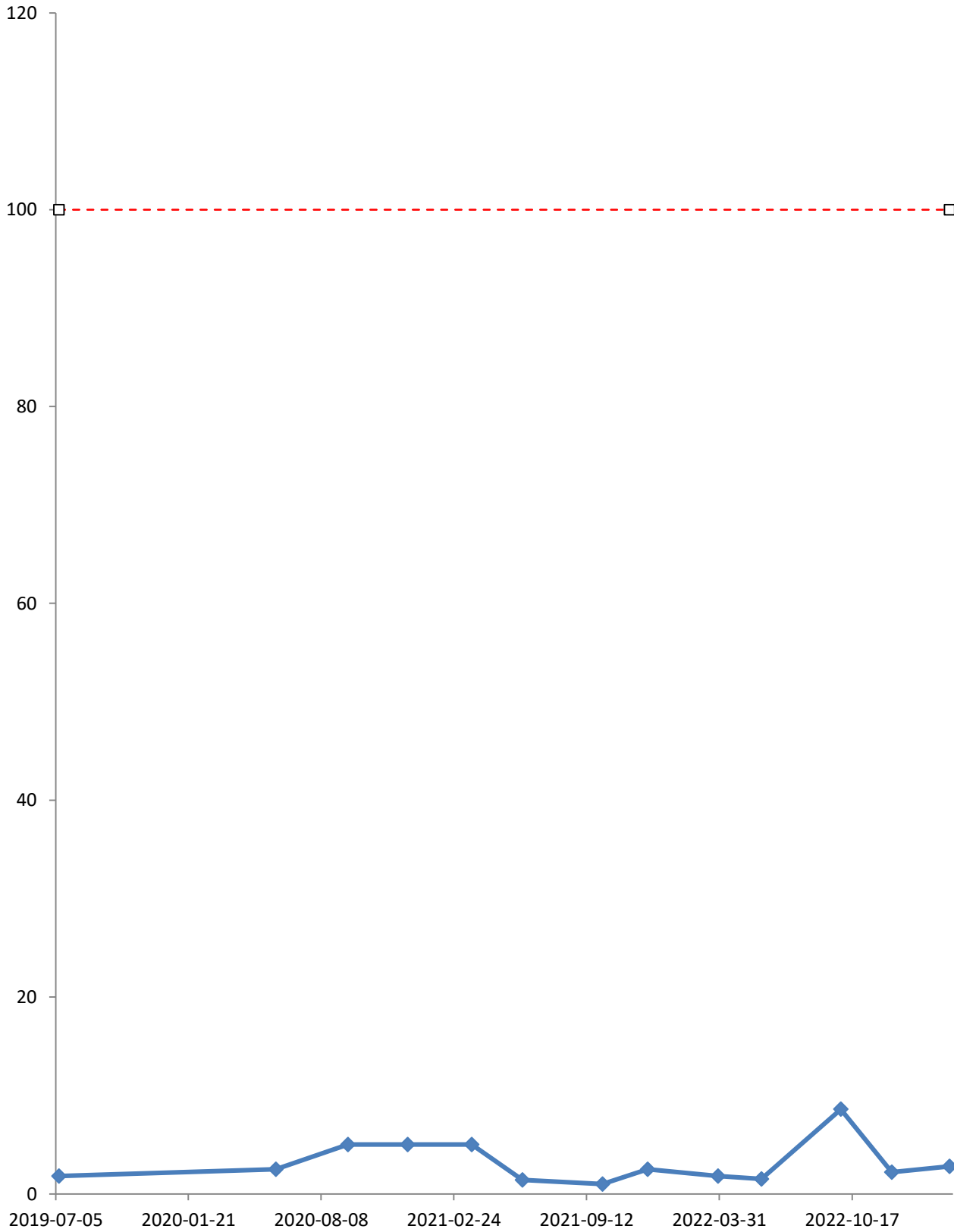


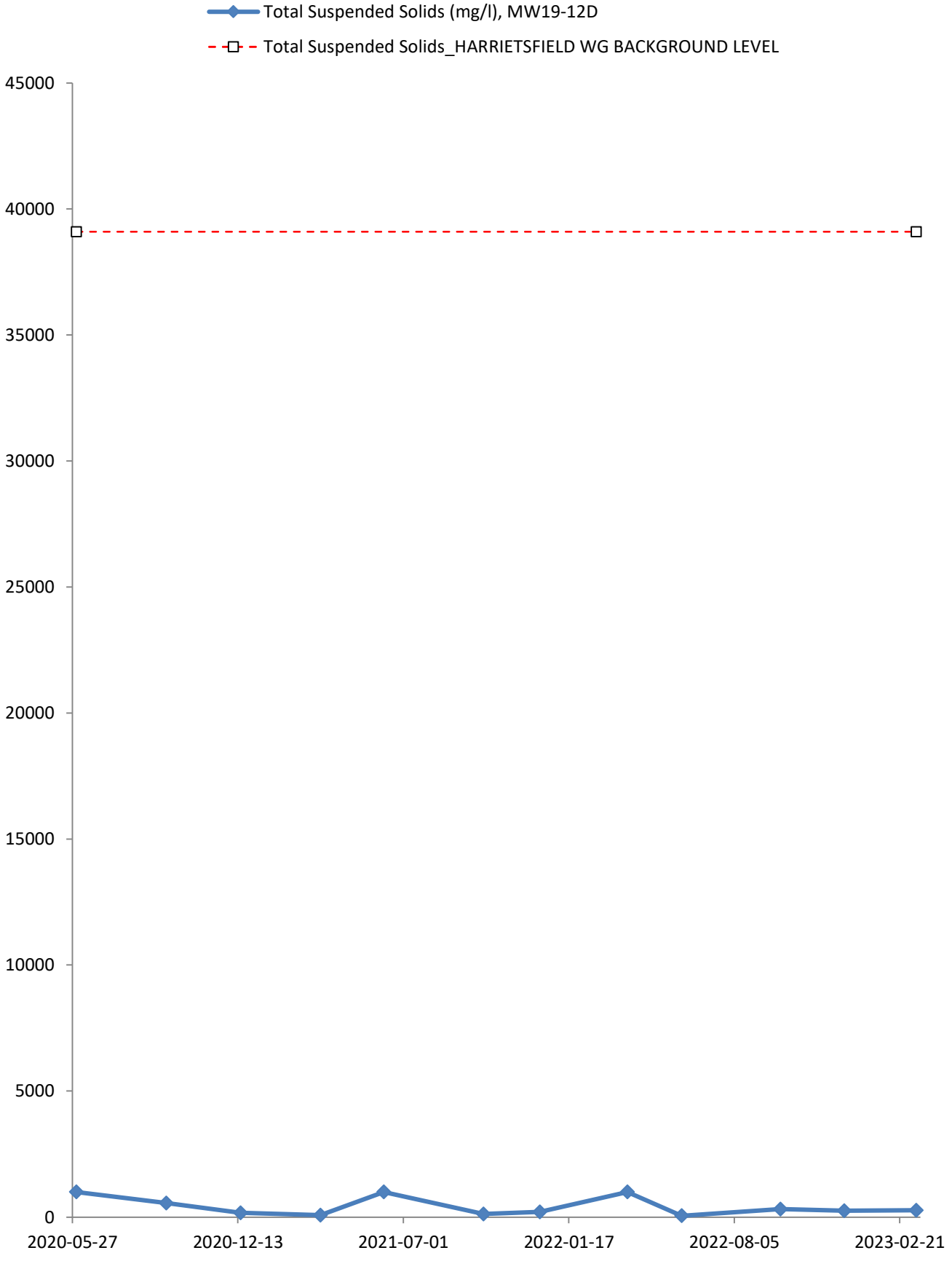


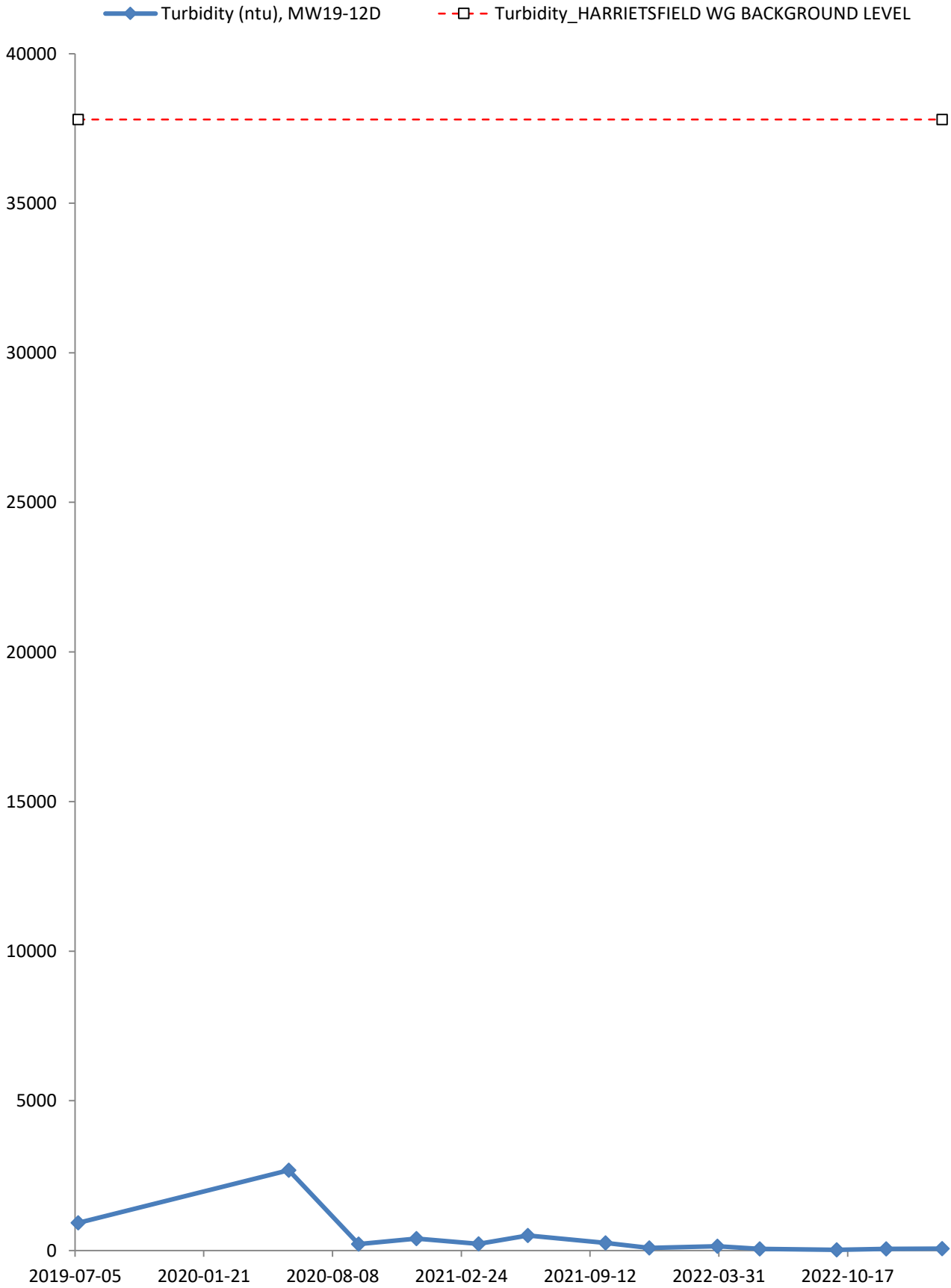
—◆— Total Diss Solids (Lab) (mg/l), MW19-12D
- -□- - Total Diss Solids (Lab)_HARRIETSFIELD WG BACKGROUND LEVEL

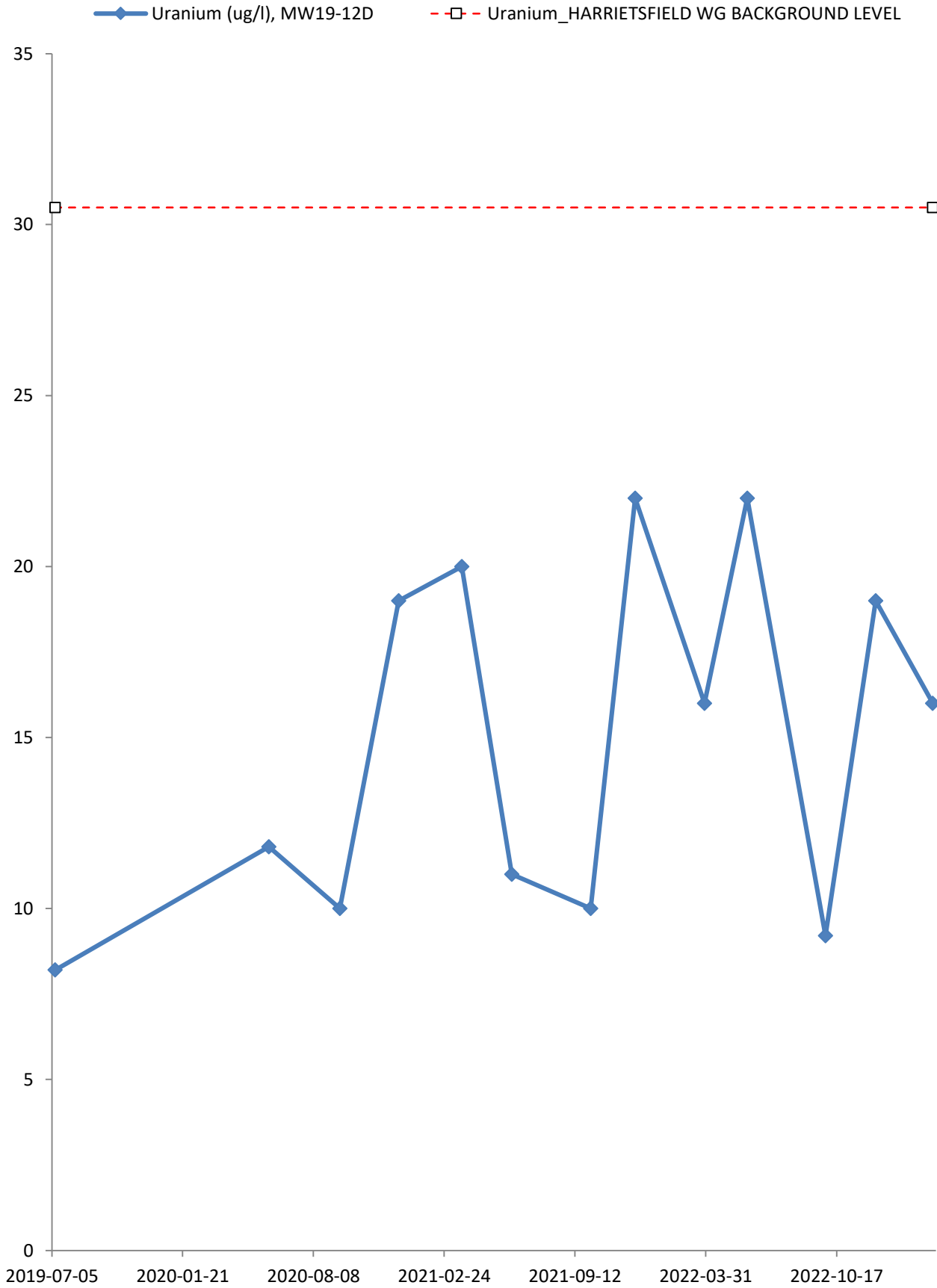


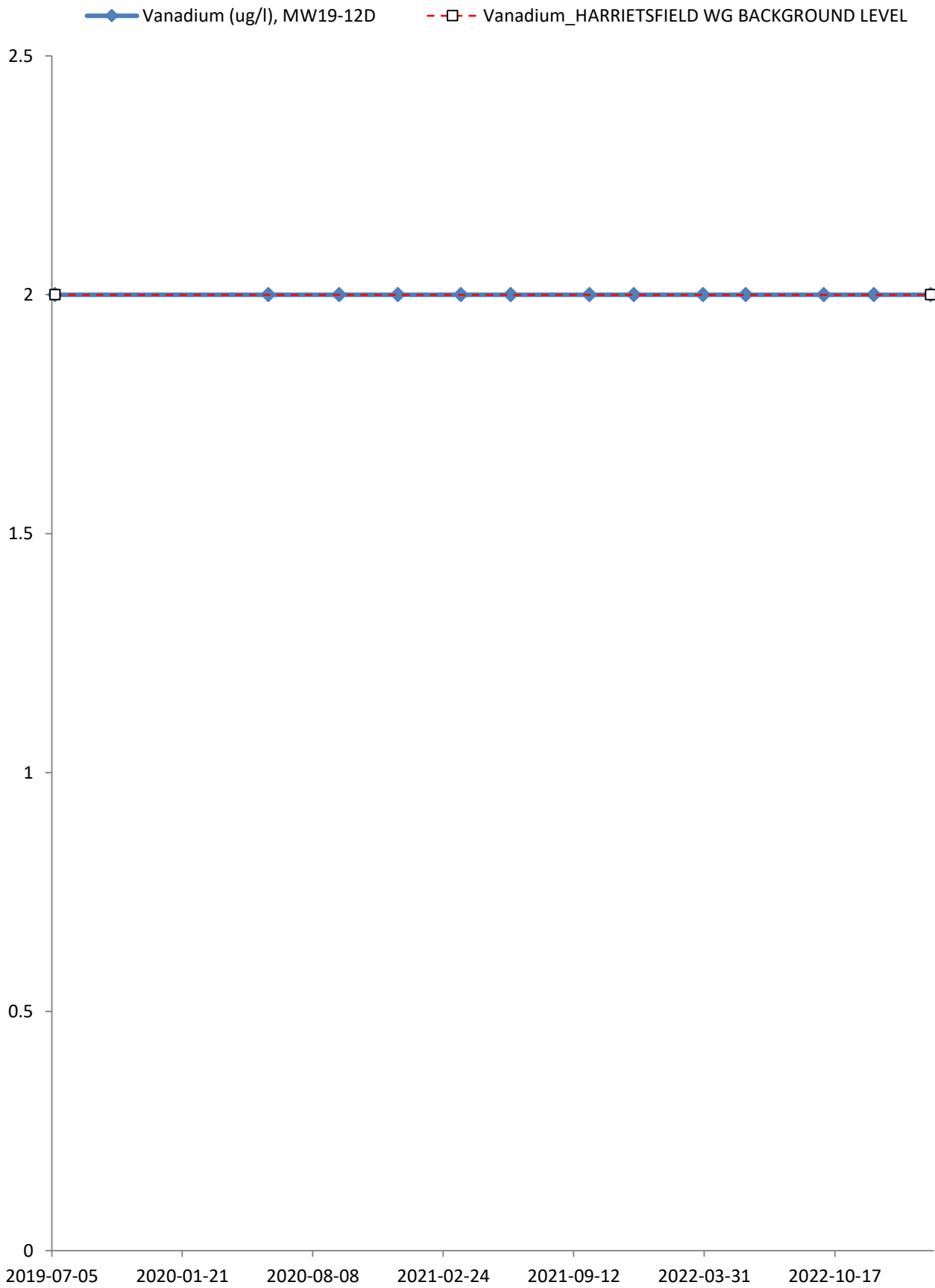
—◆— Total Organic Carbon (mg/l), MW19-12D
- -□- - Total Organic Carbon_HARRIETSFIELD WG BACKGROUND LEVEL

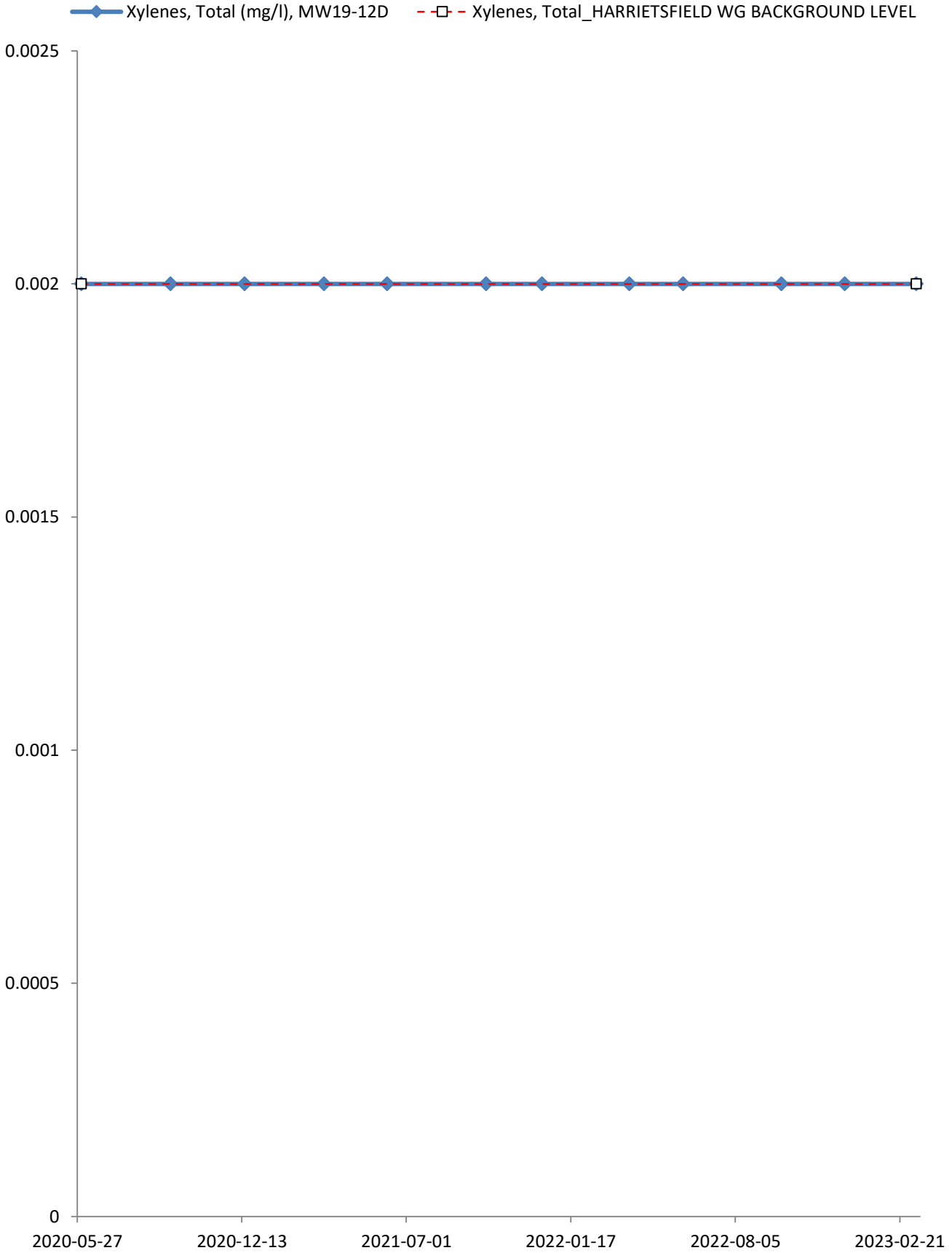


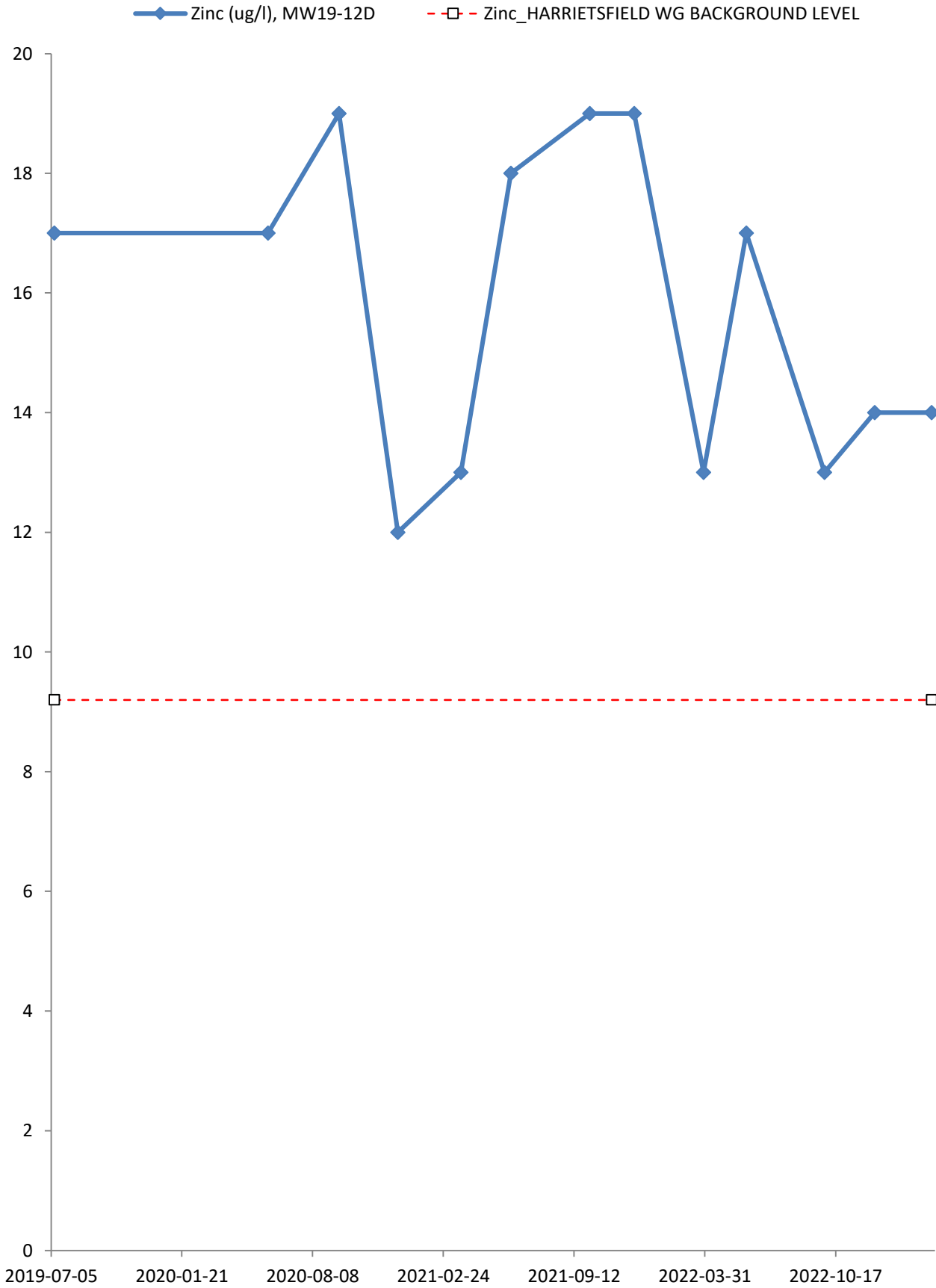




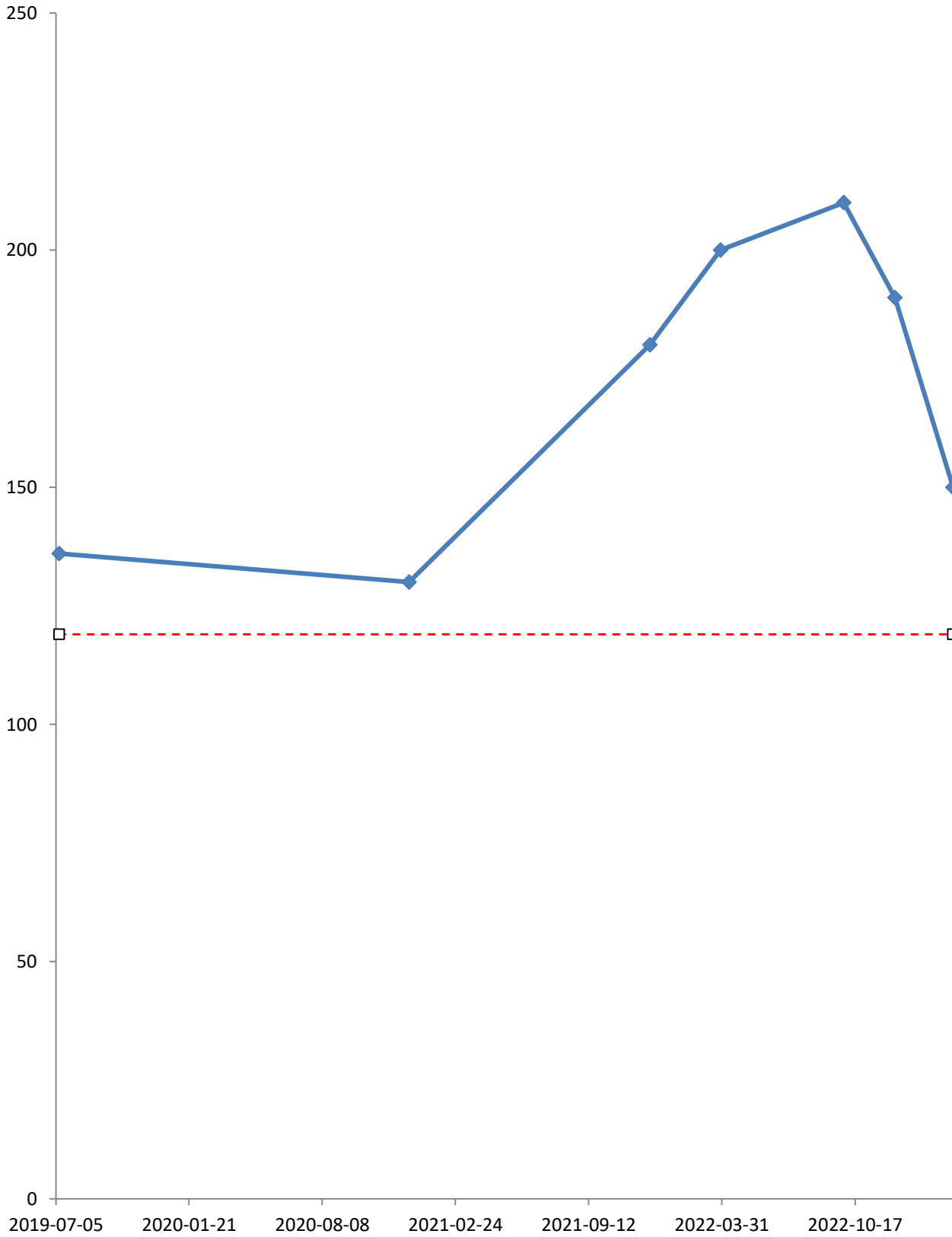




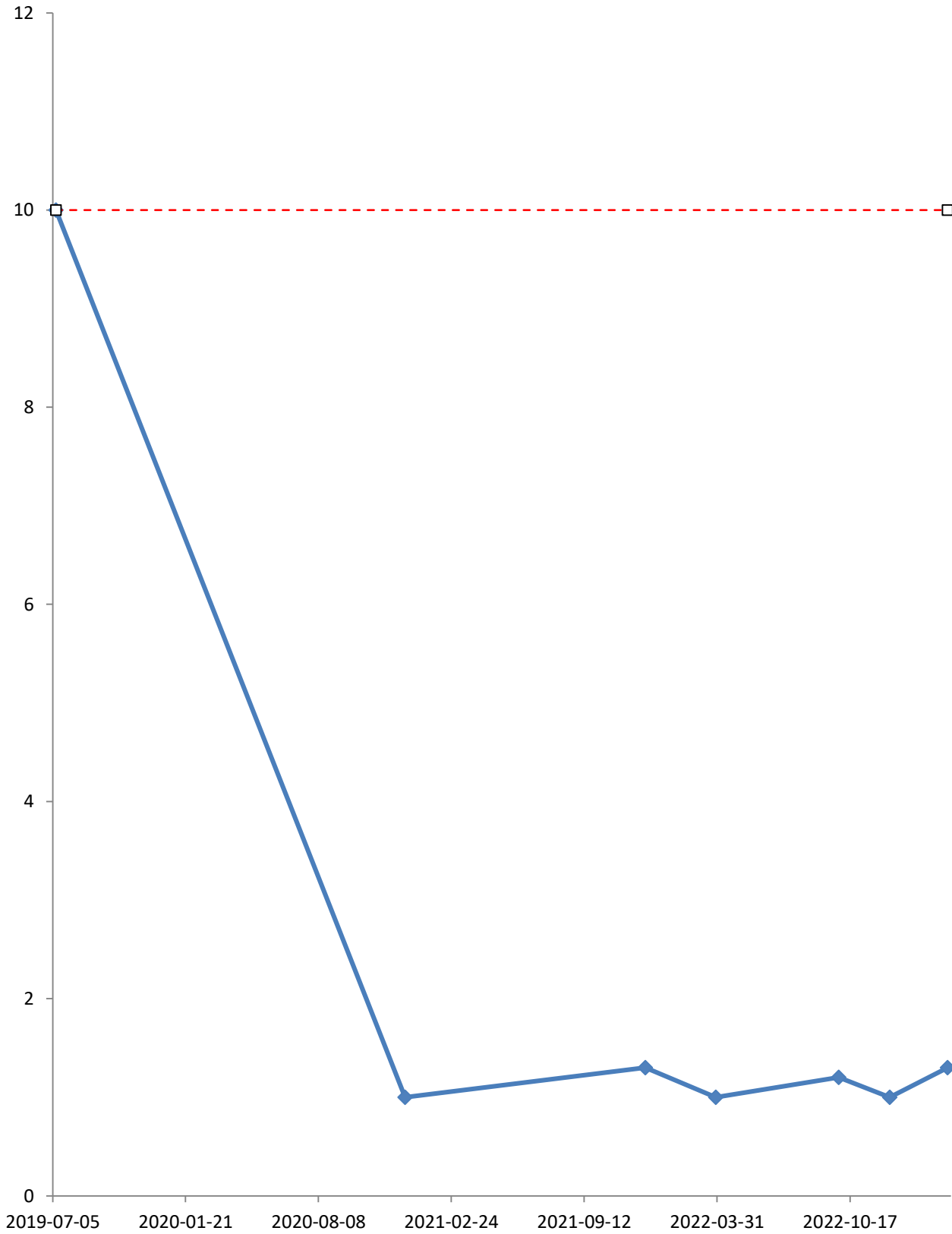


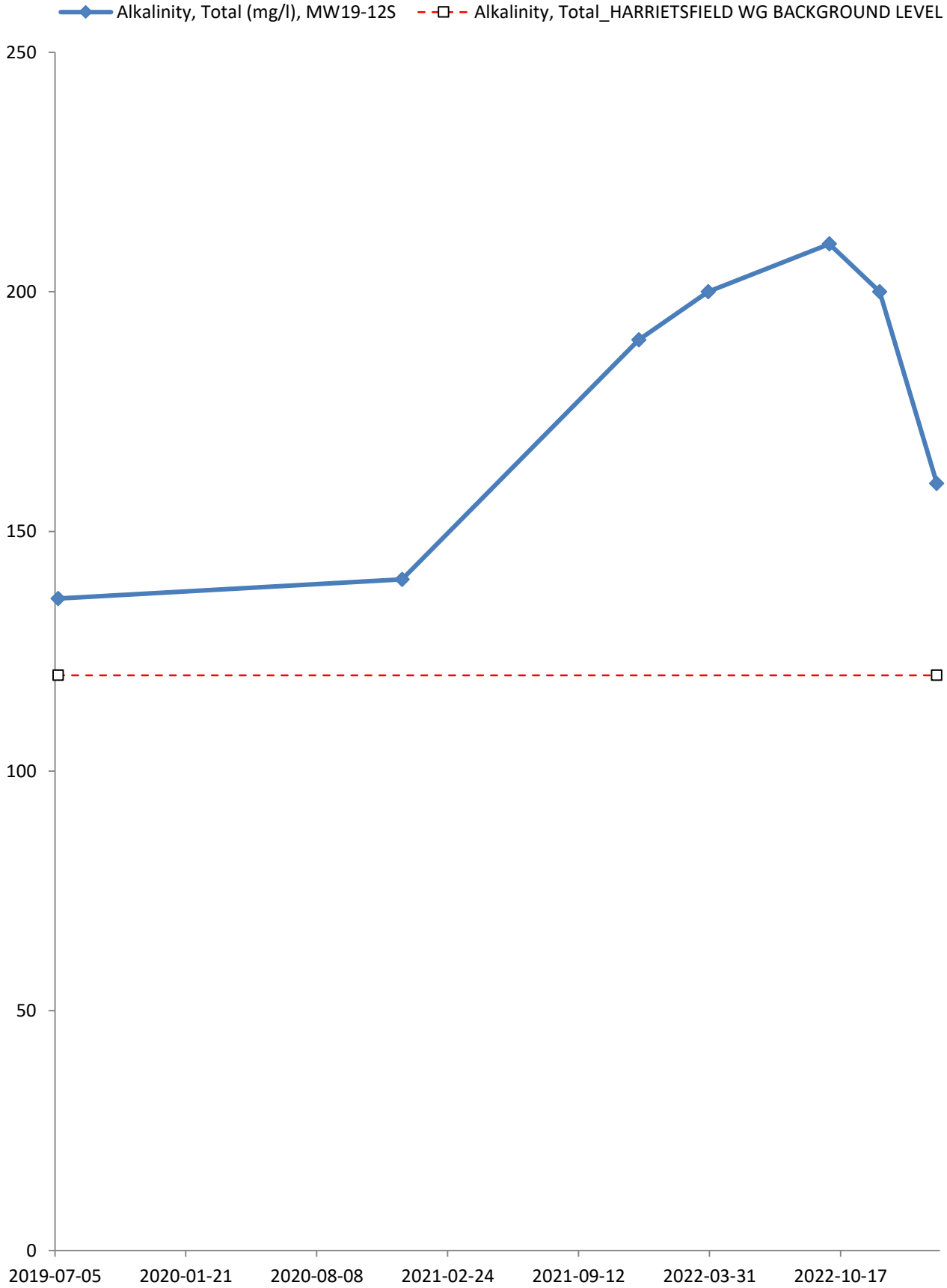


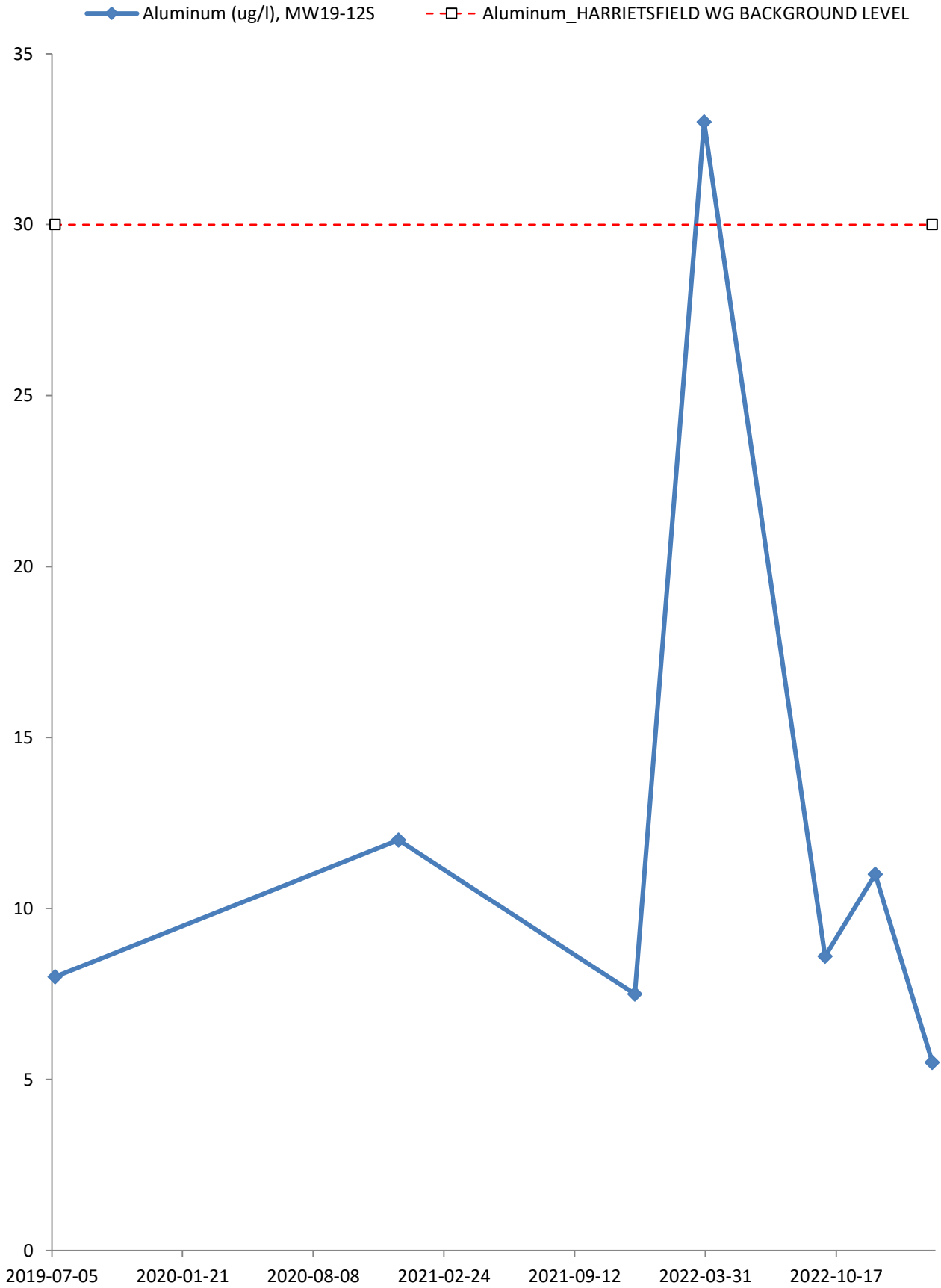
—◆— Alkalinity, Bicarbonate (mg/l), MW19-12S
- -□- - Alkalinity, Bicarbonate_HARRIETSFIELD WG BACKGROUND LEVEL

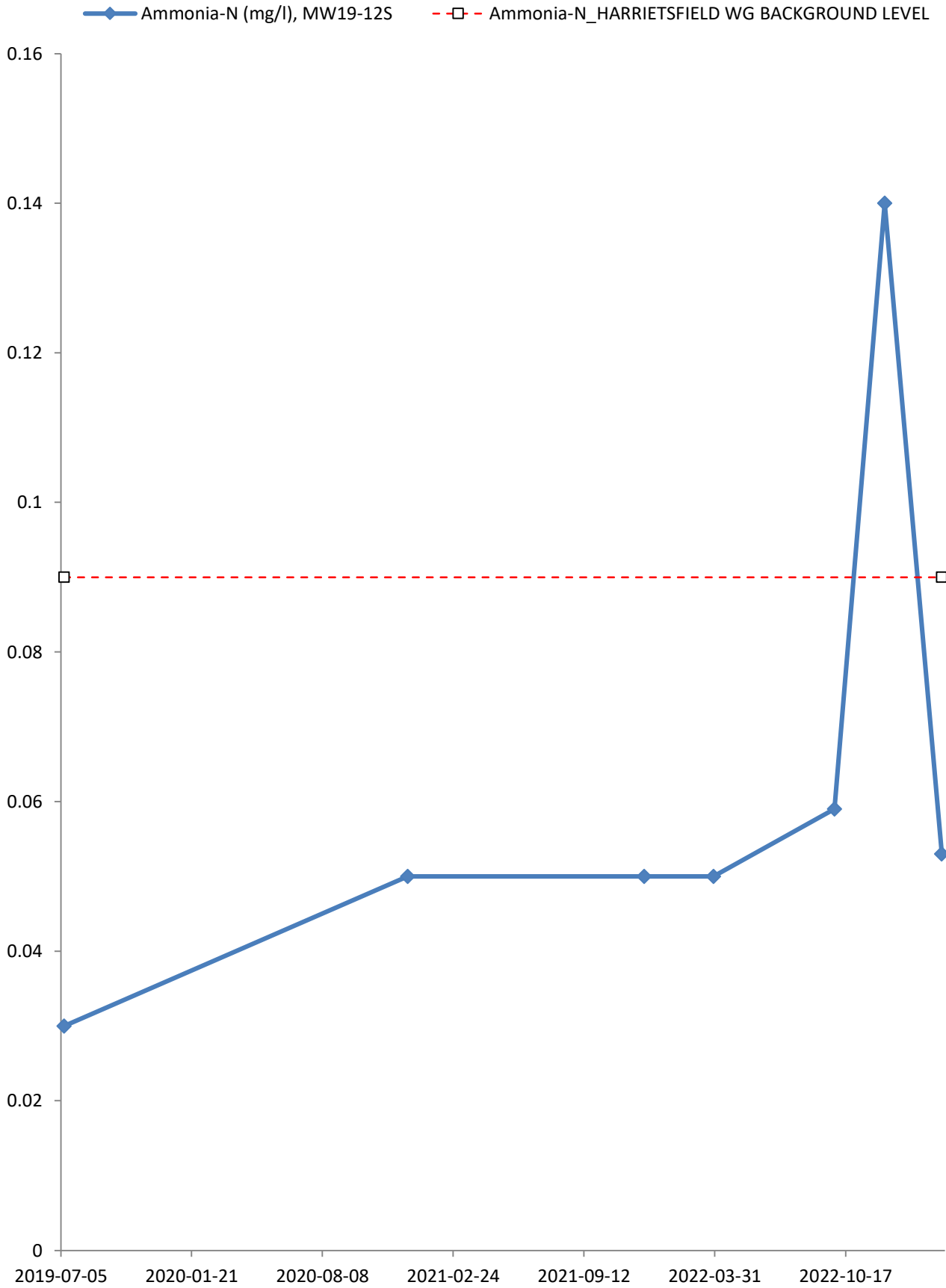


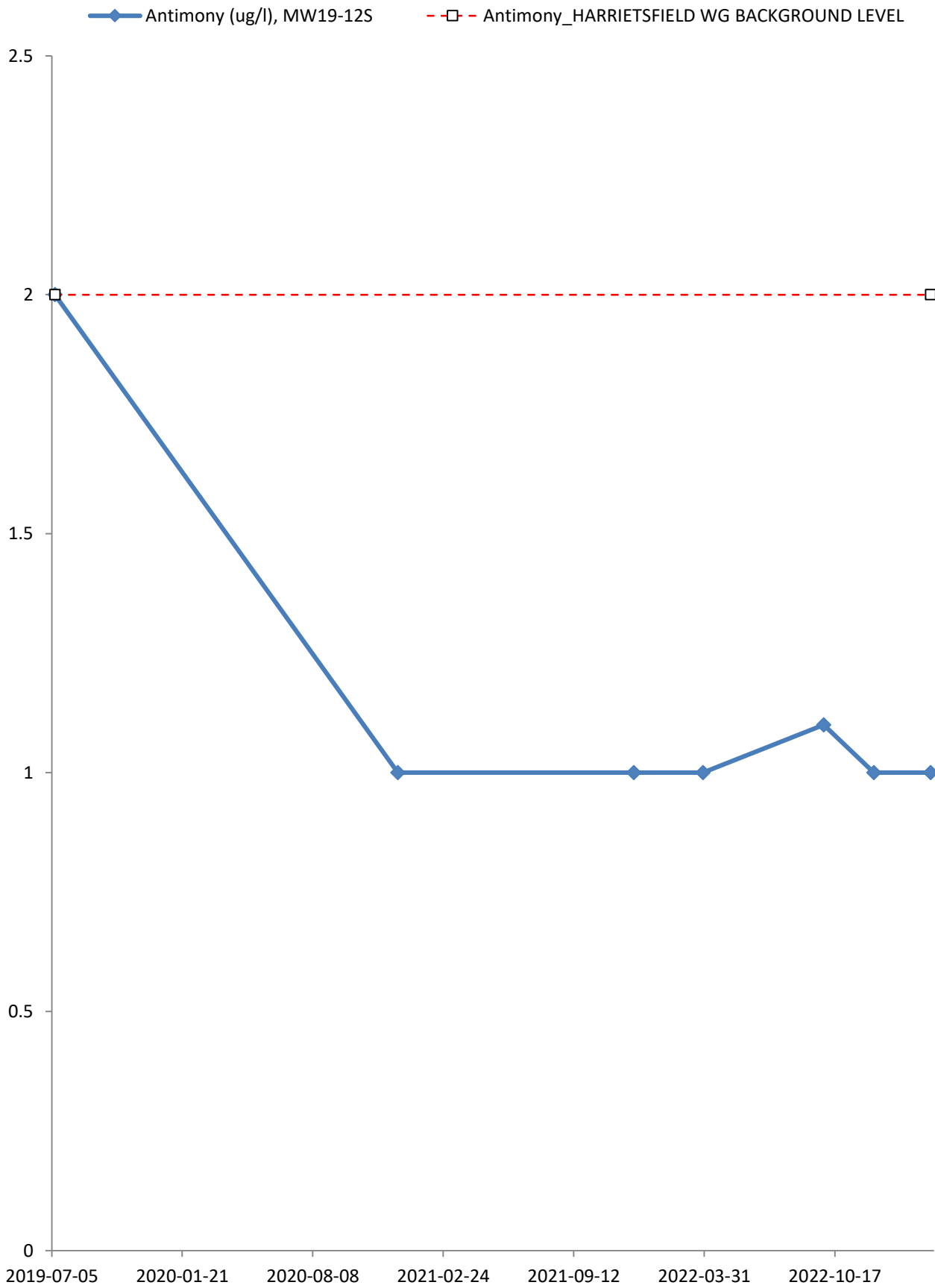
—◆— Alkalinity, Carbonate (mg/l), MW19-12S
- -□- - Alkalinity, Carbonate_HARRIETSFIELD WG BACKGROUND LEVEL

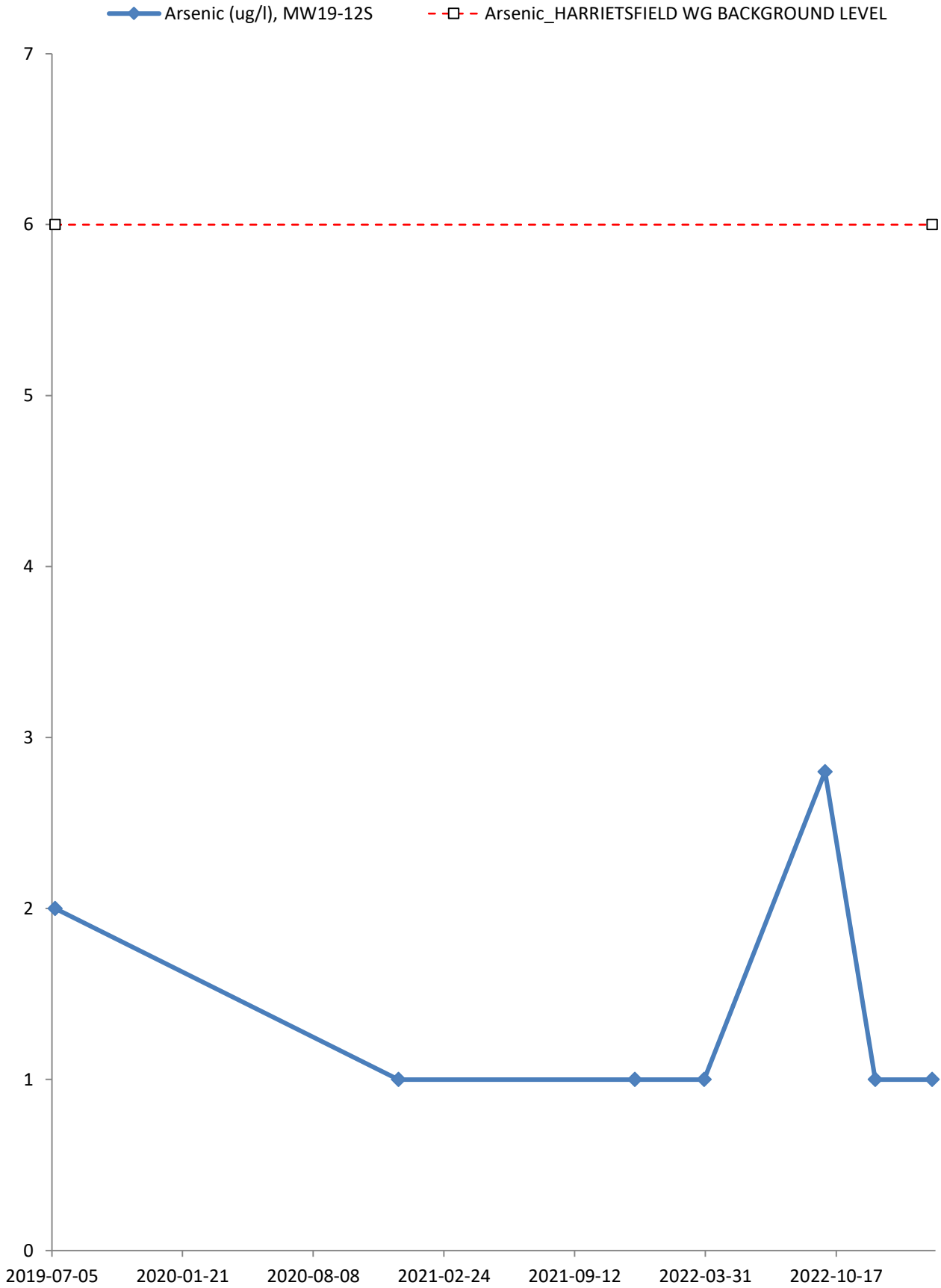


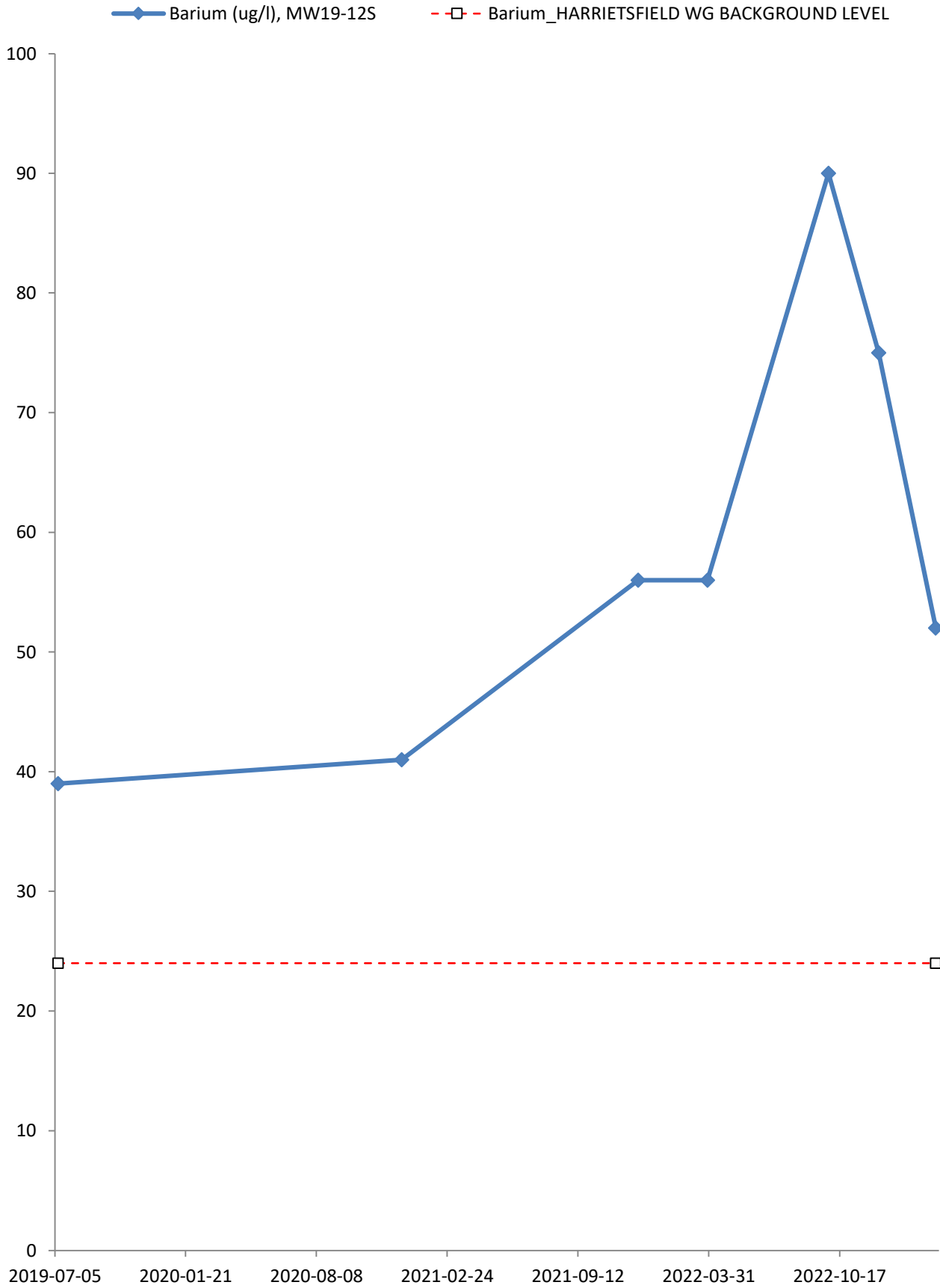


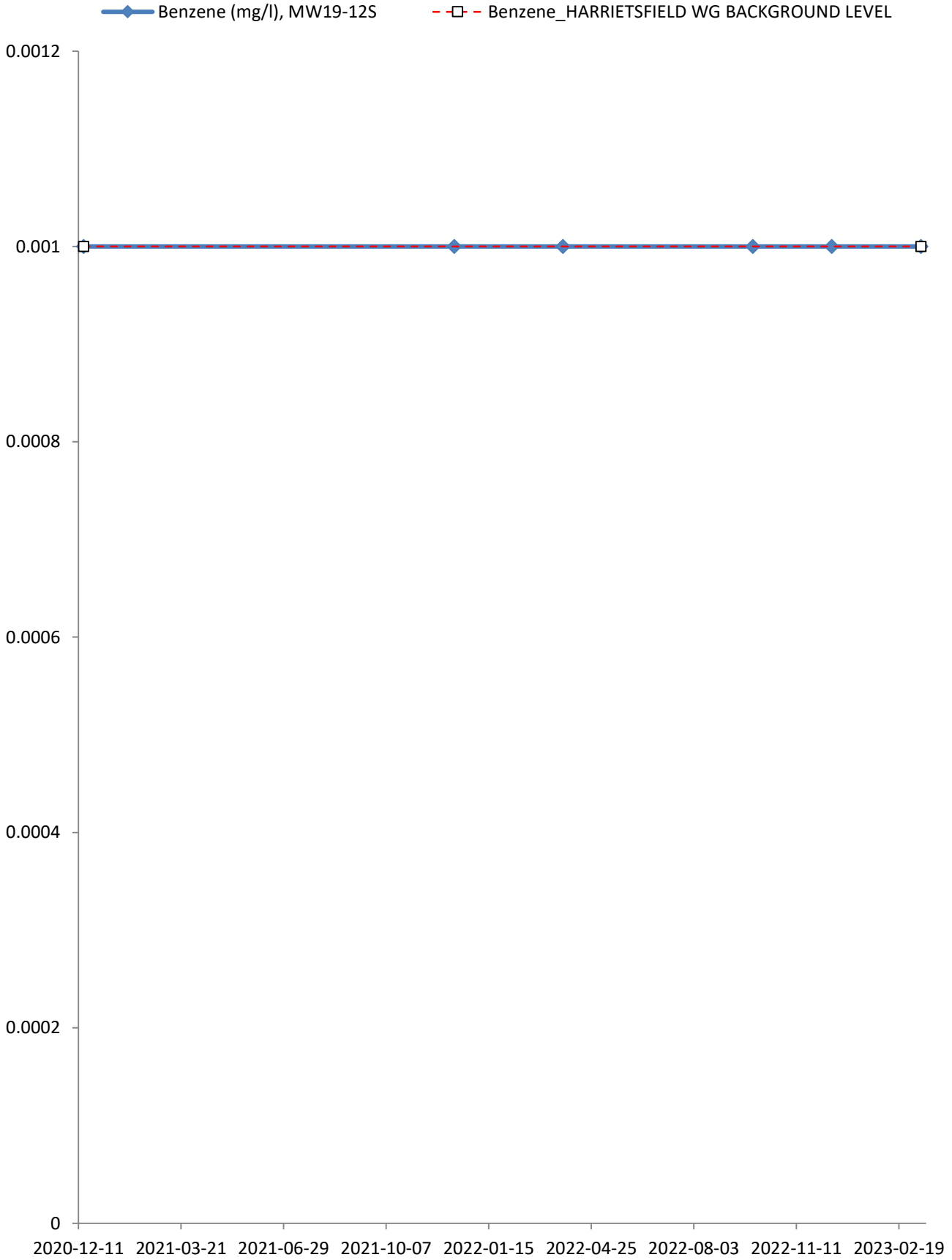


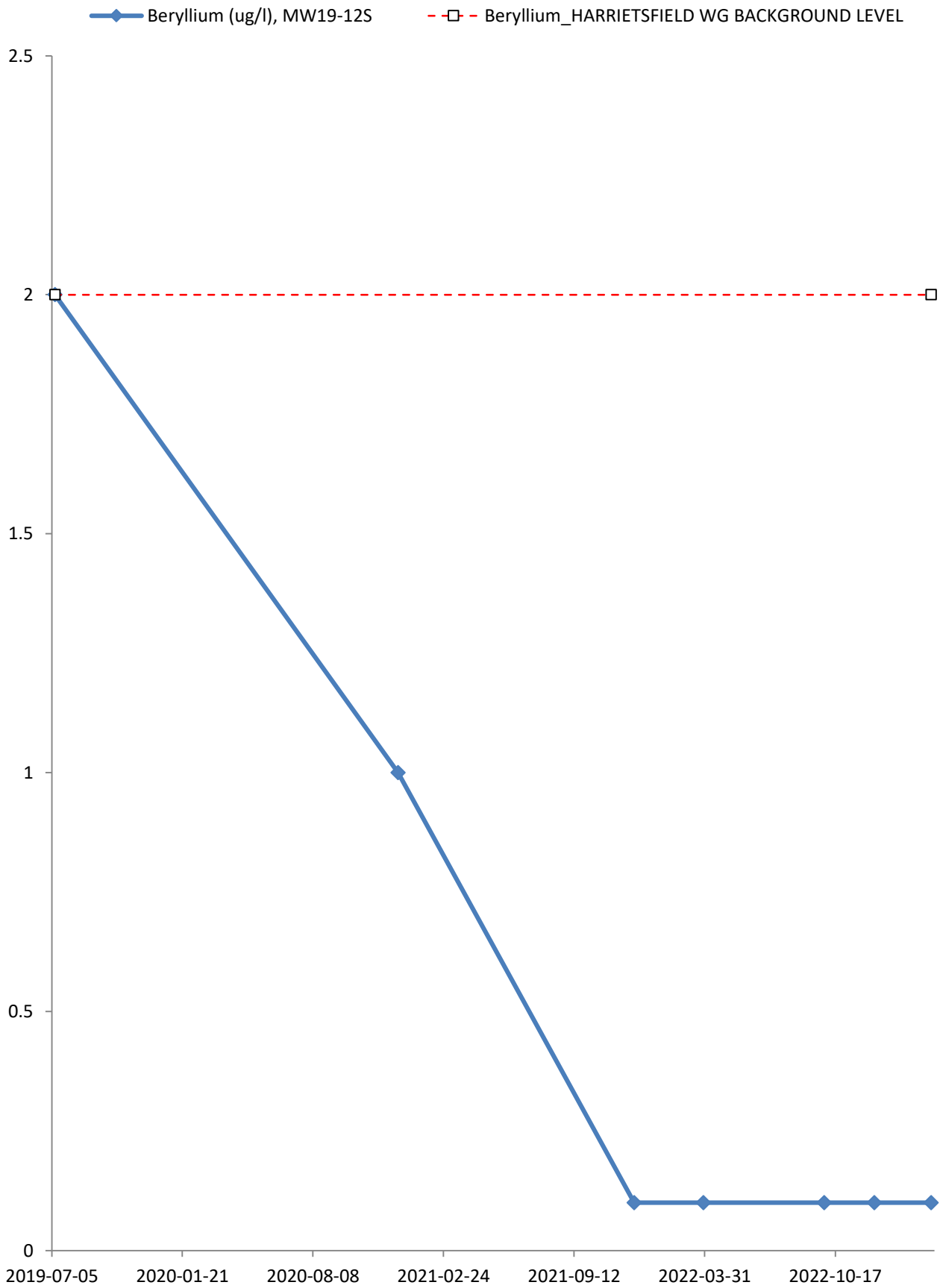


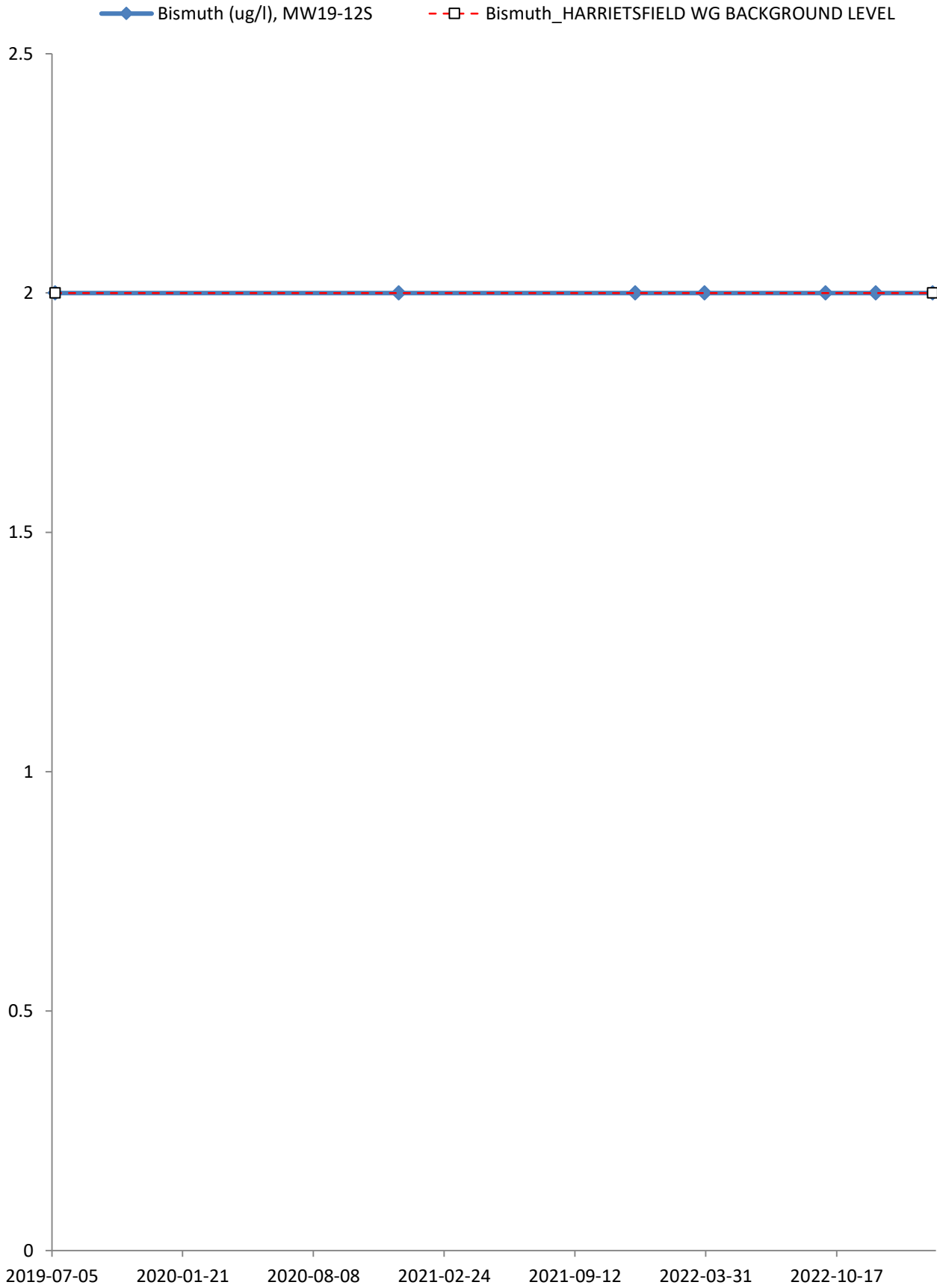


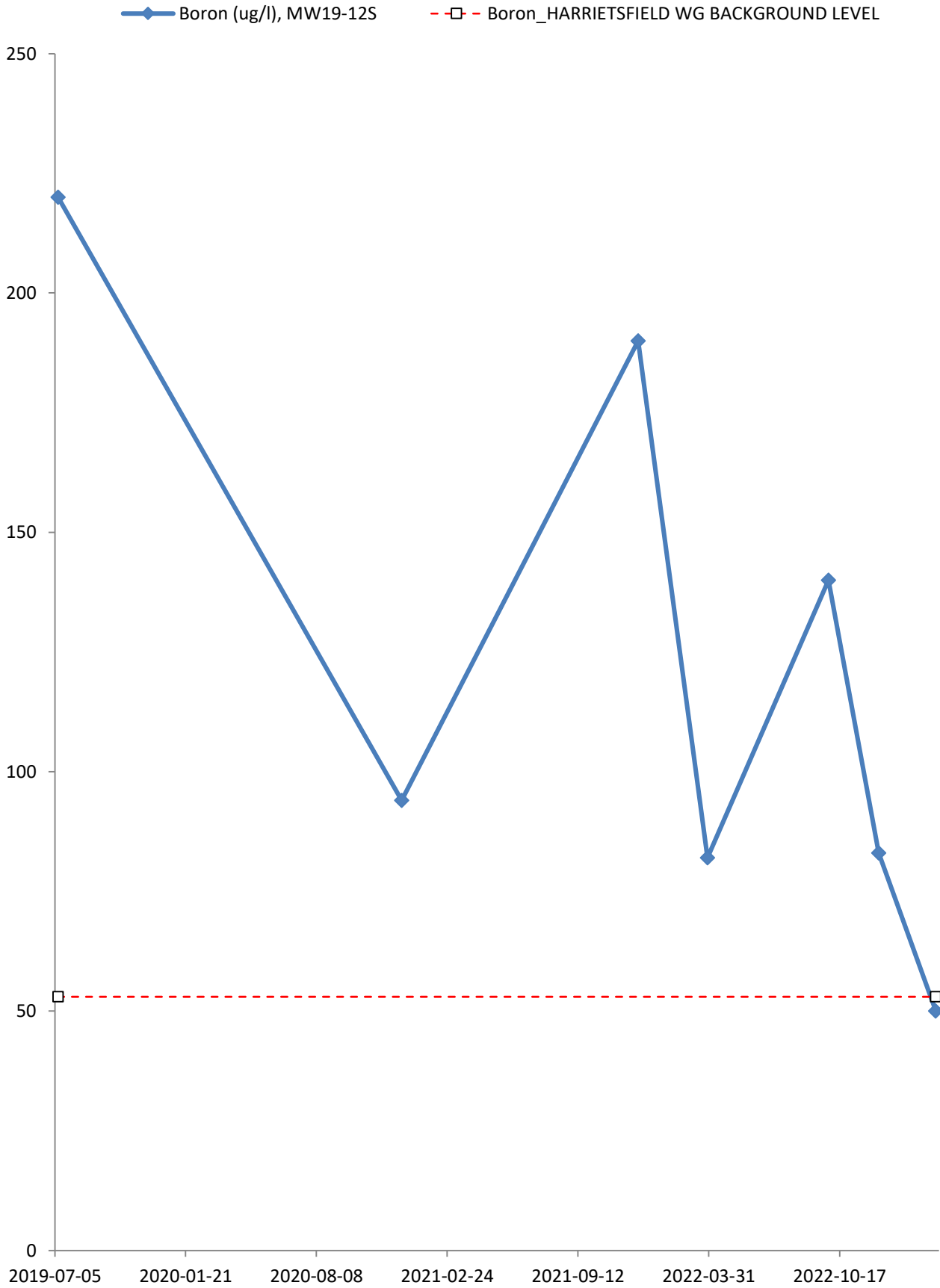


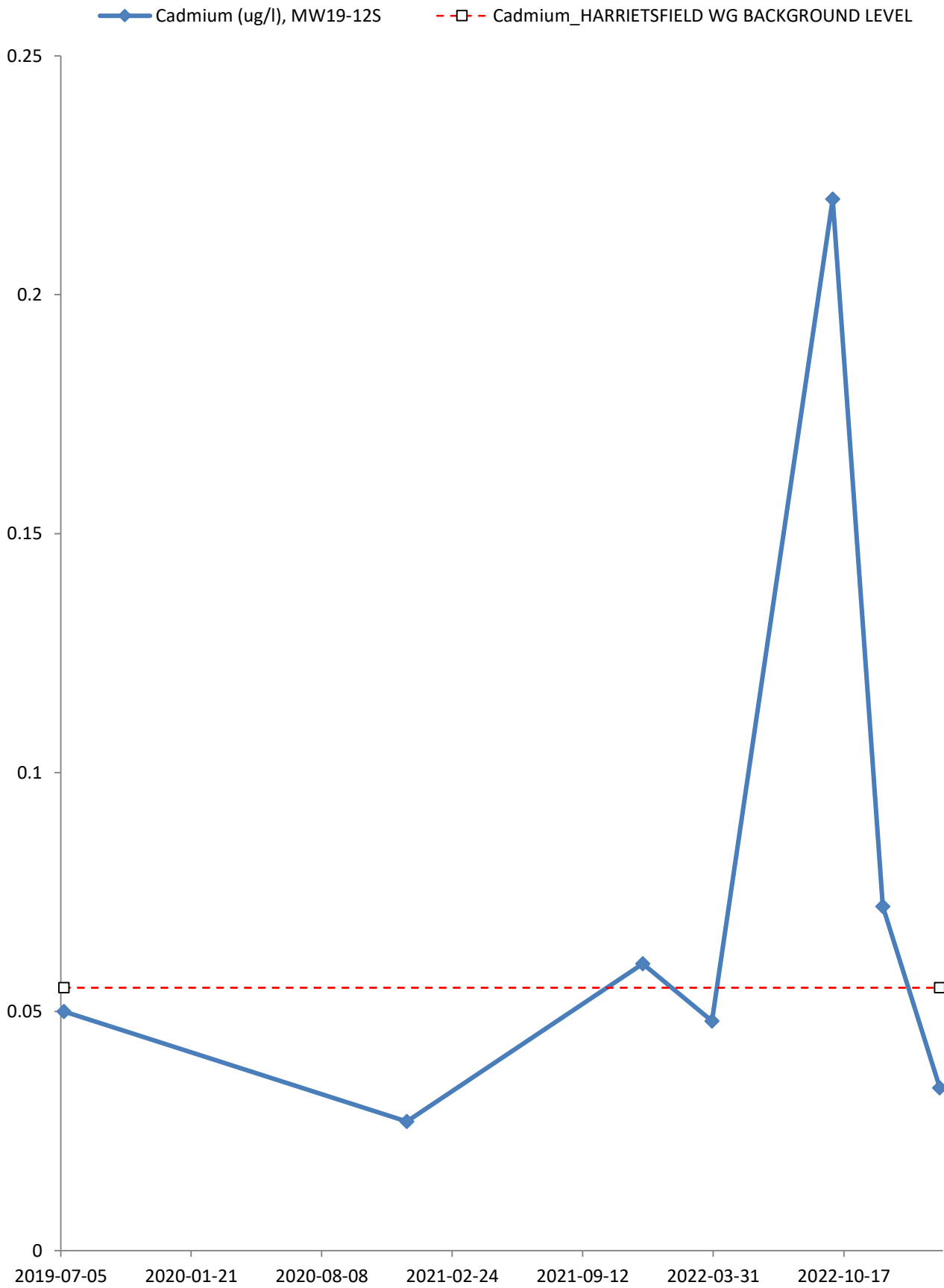


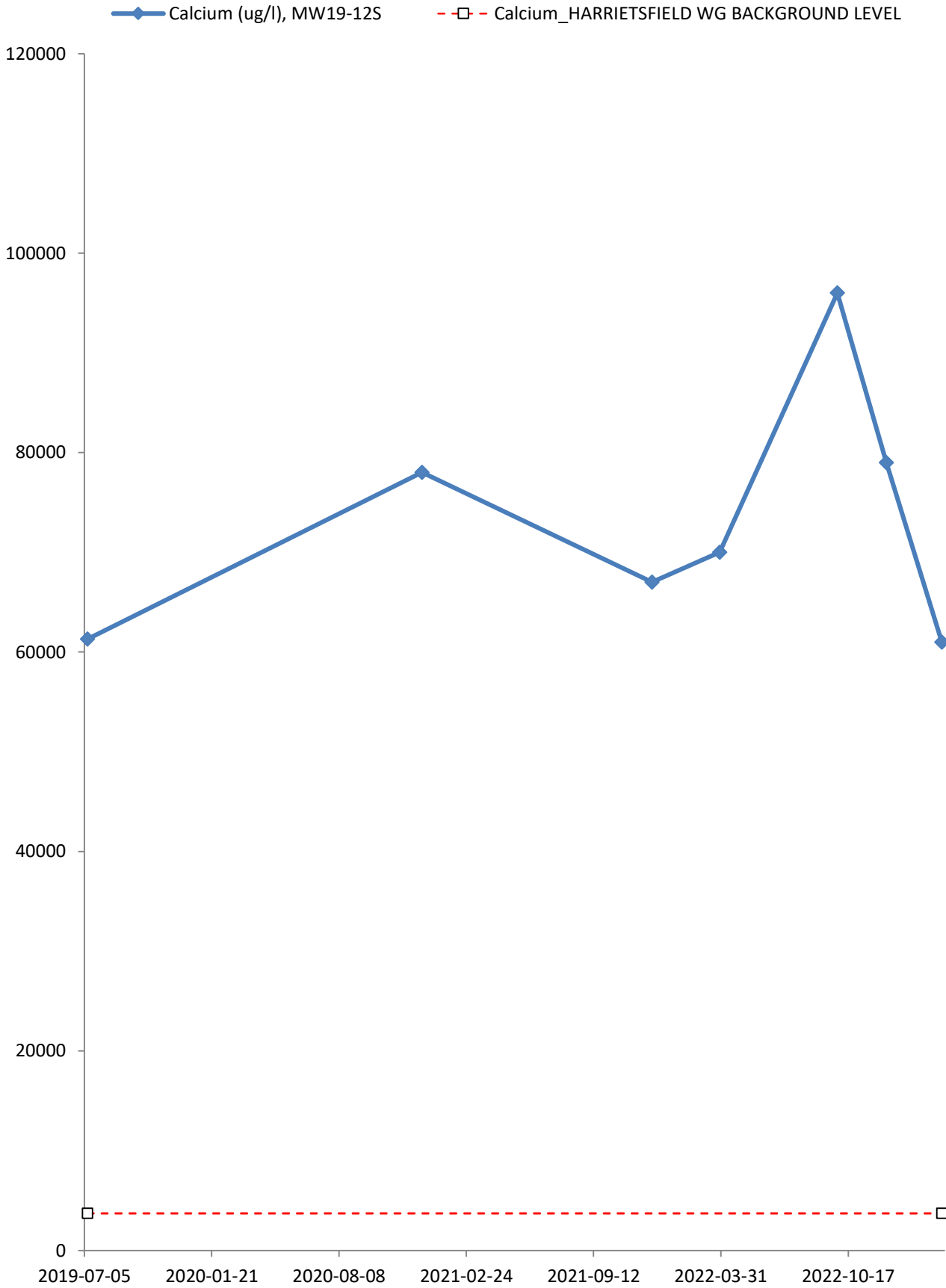




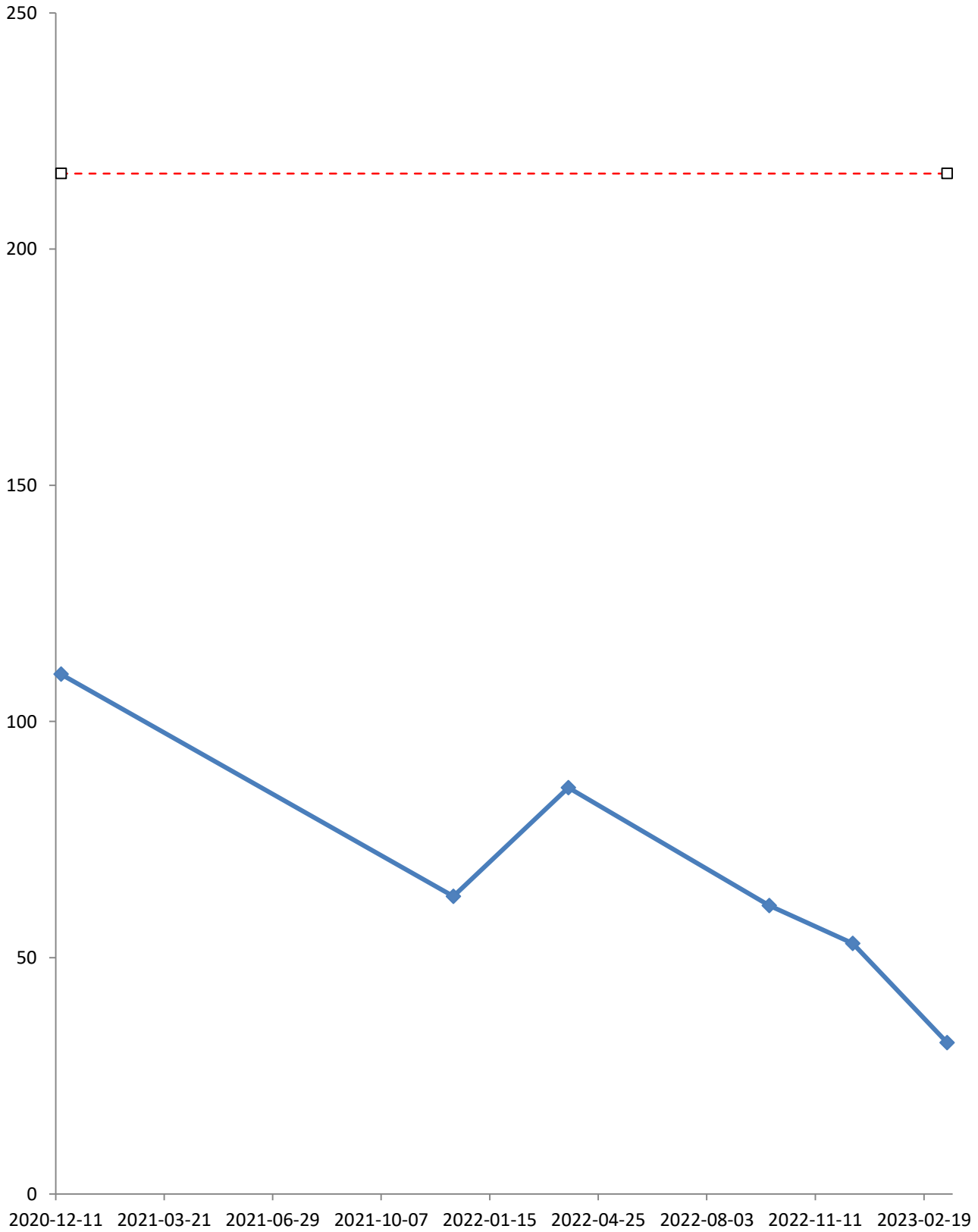


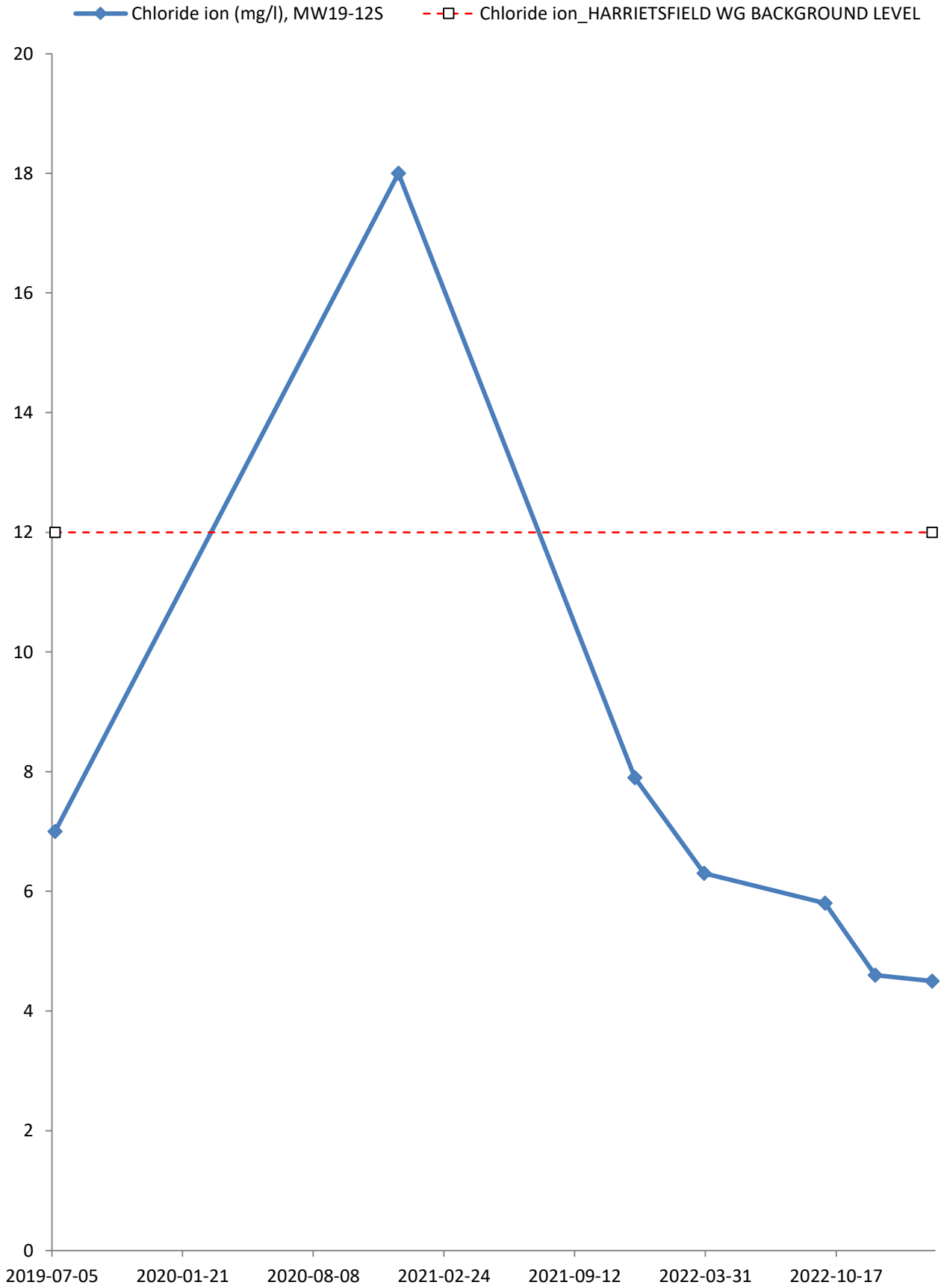


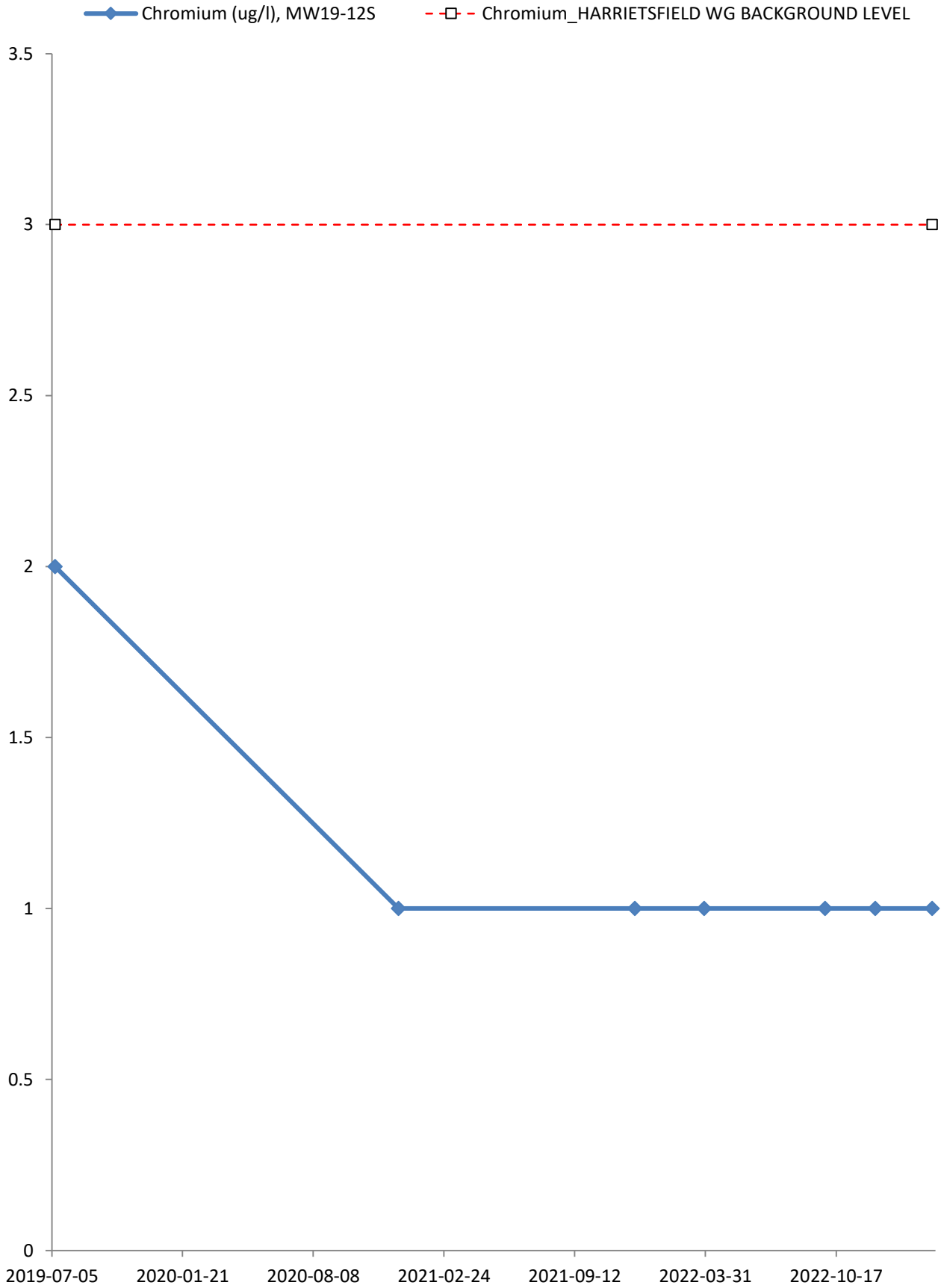


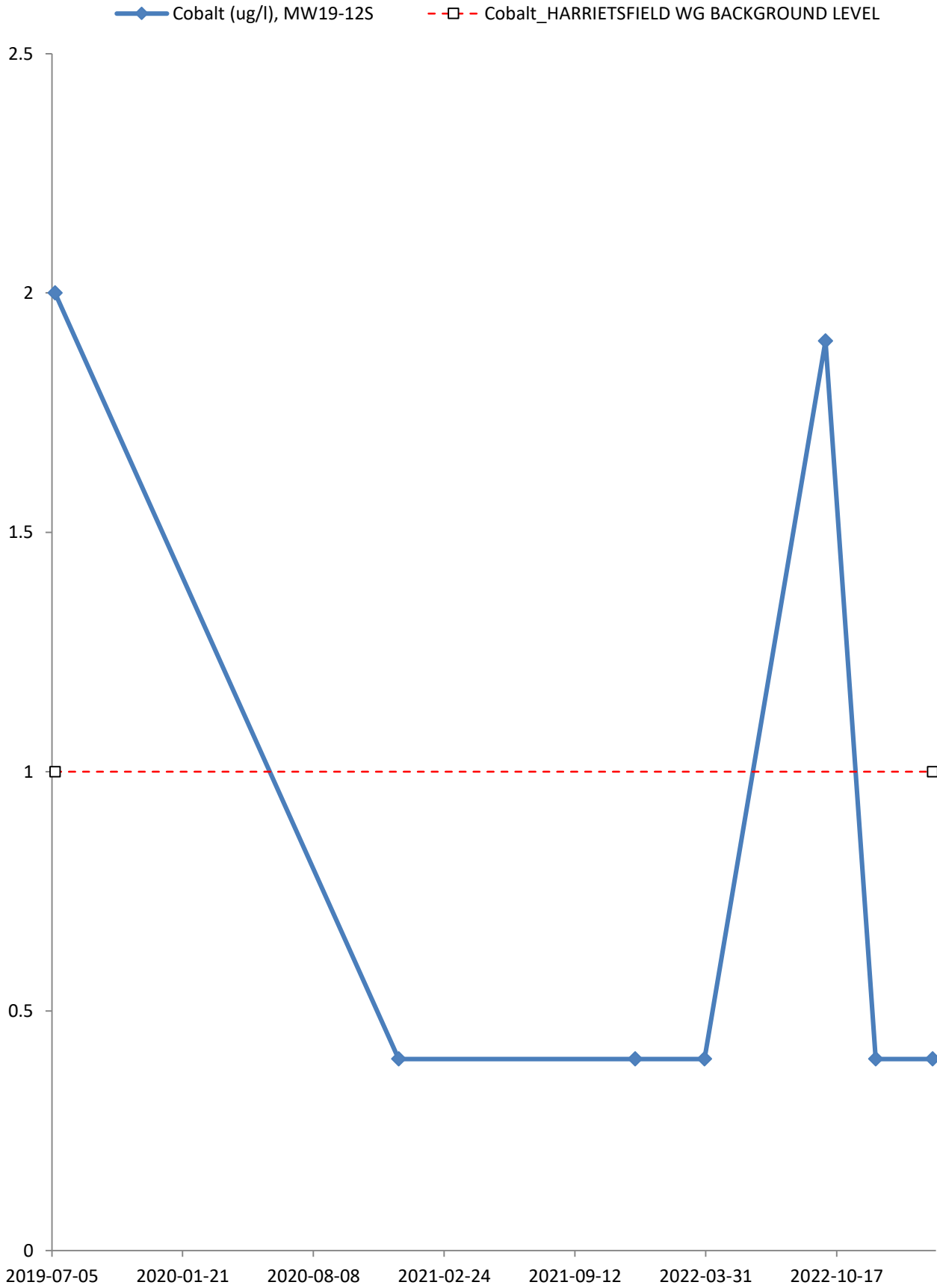


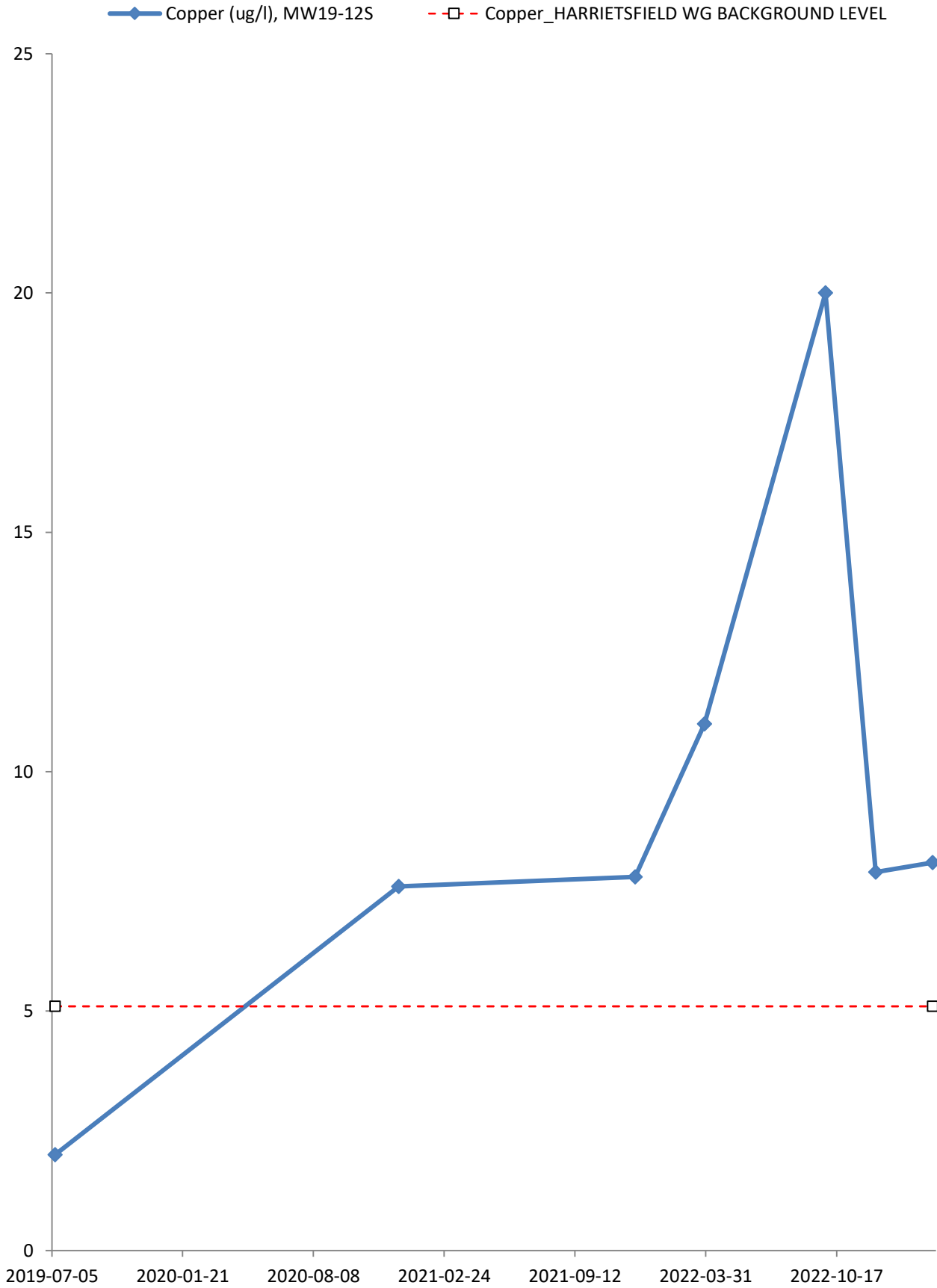
—◆— Chemical Oxygen Demand (mg/l), MW19-12S
- - □ - - Chemical Oxygen Demand_HARRIETSFIELD WG BACKGROUND LEVEL



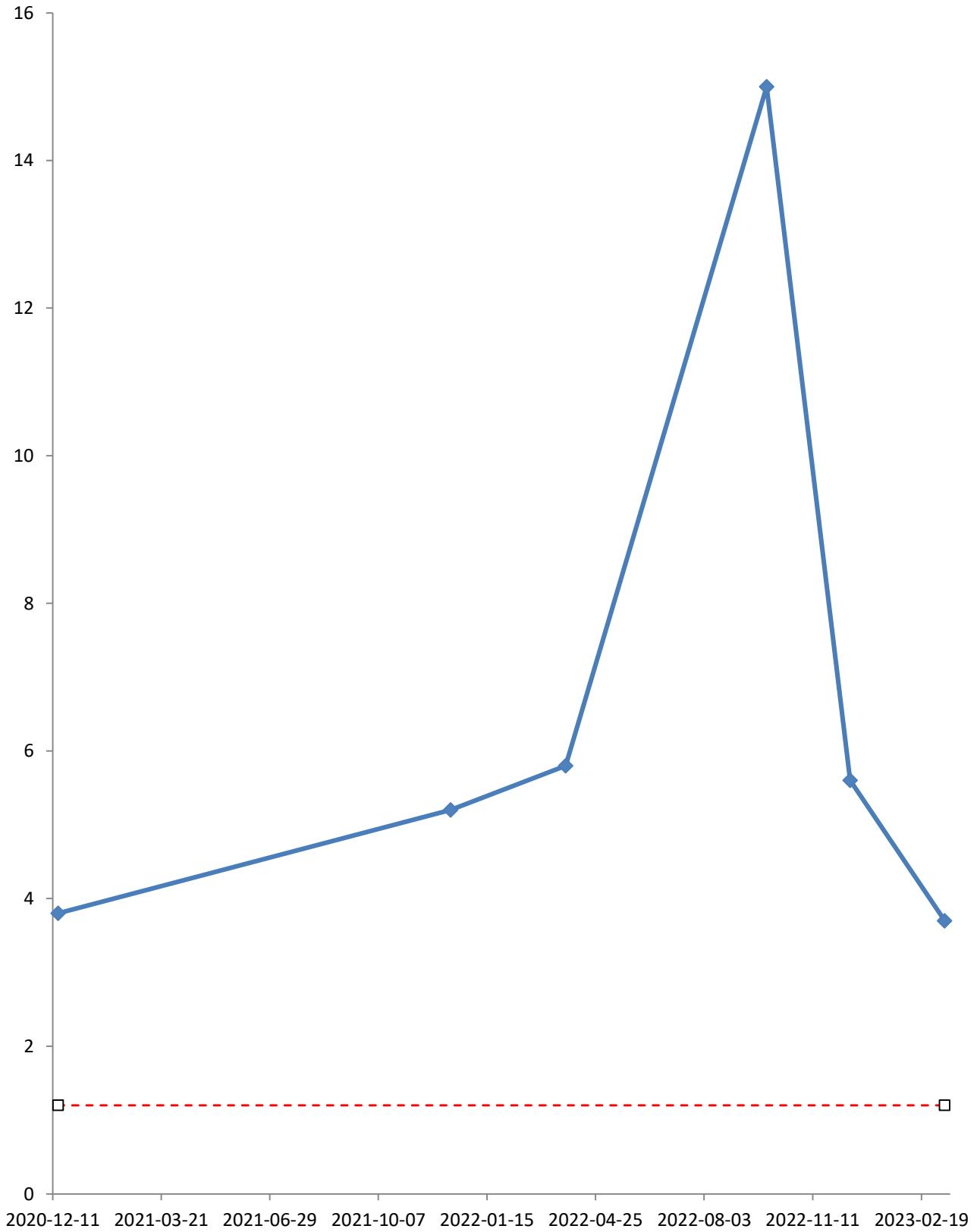




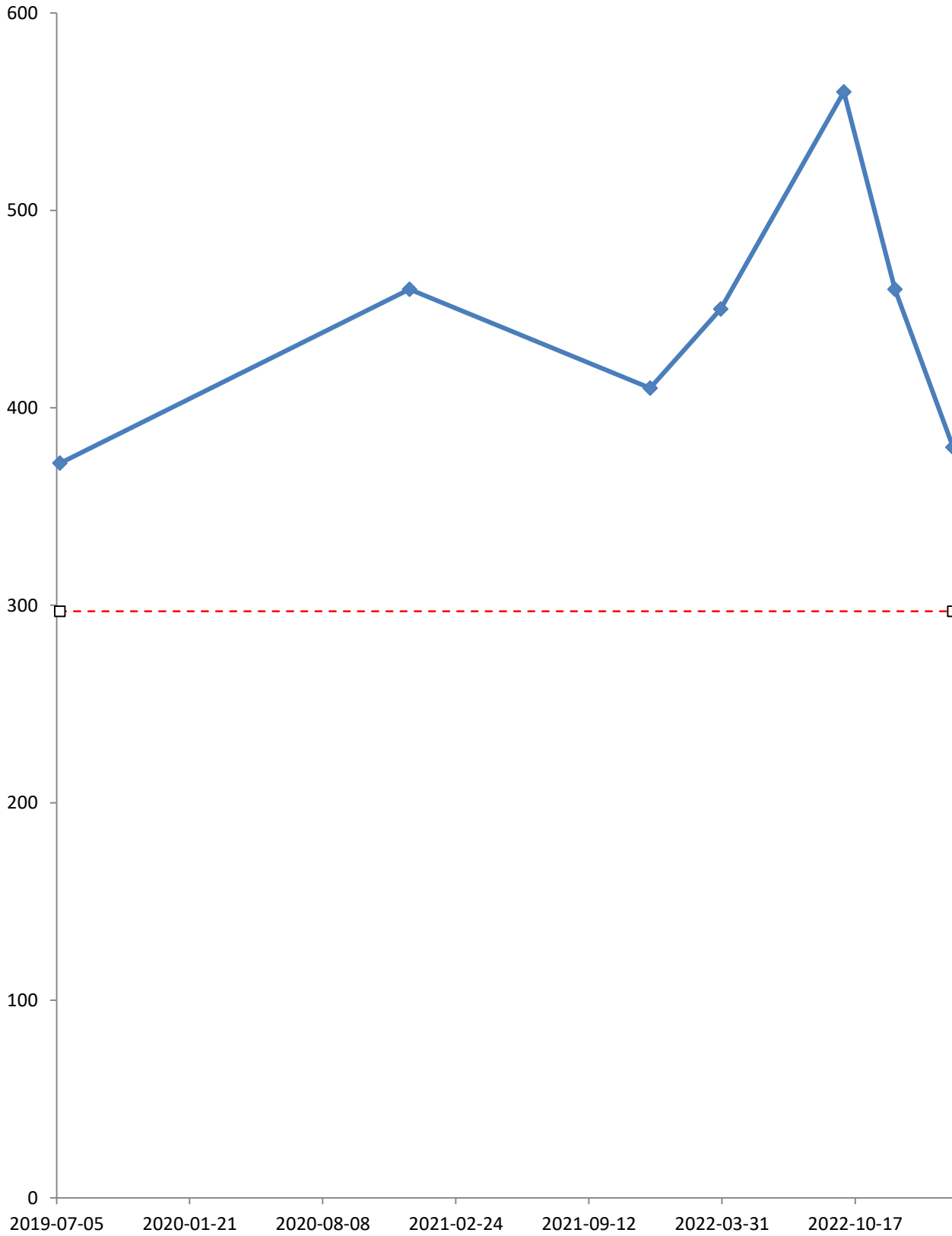


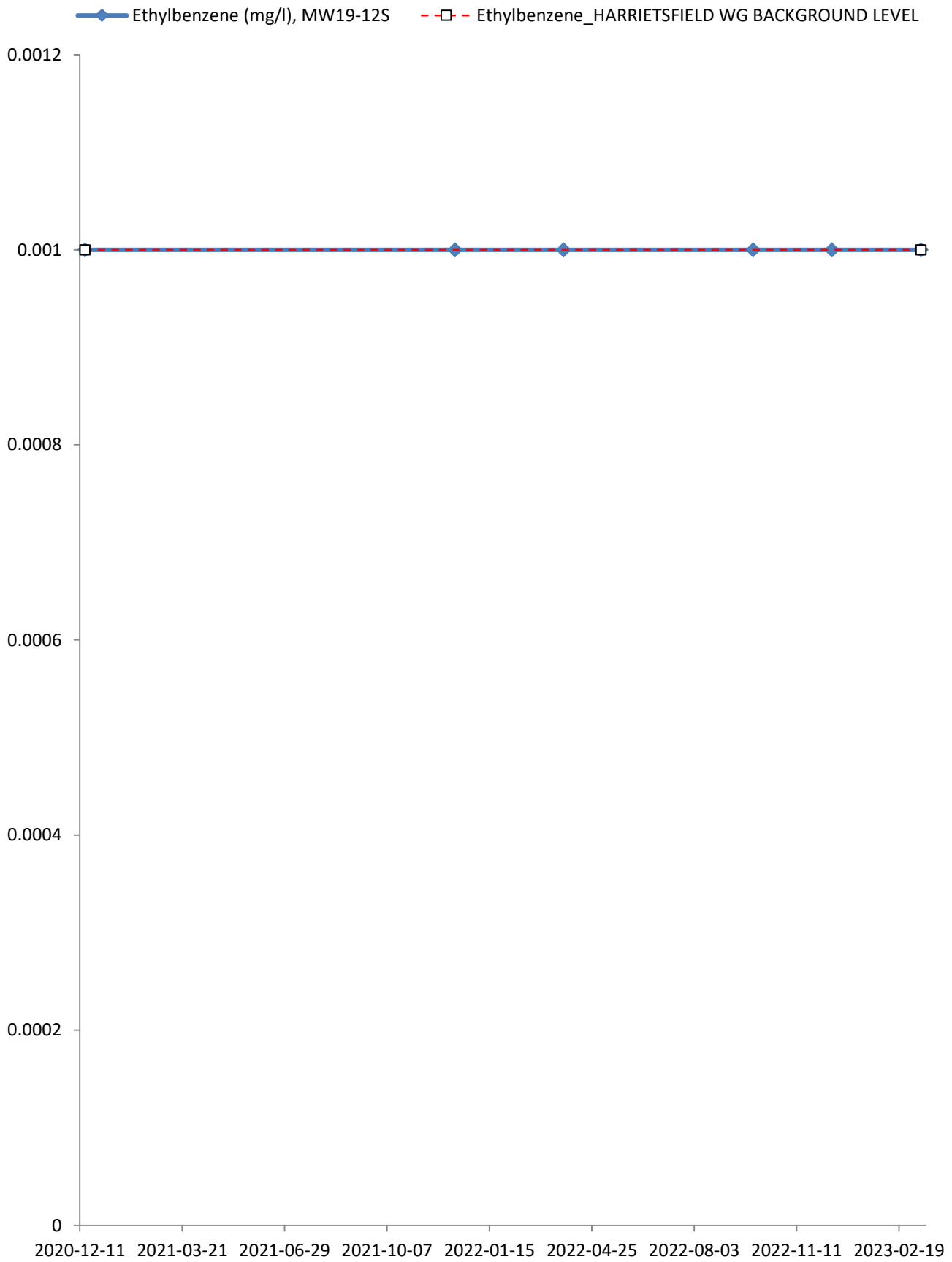


◆ Dissolved Organic Carbon (DOC) (mg/l), MW19-12S
-□- Dissolved Organic Carbon (DOC)_HARRIETSFIELD WG BACKGROUND LEVEL

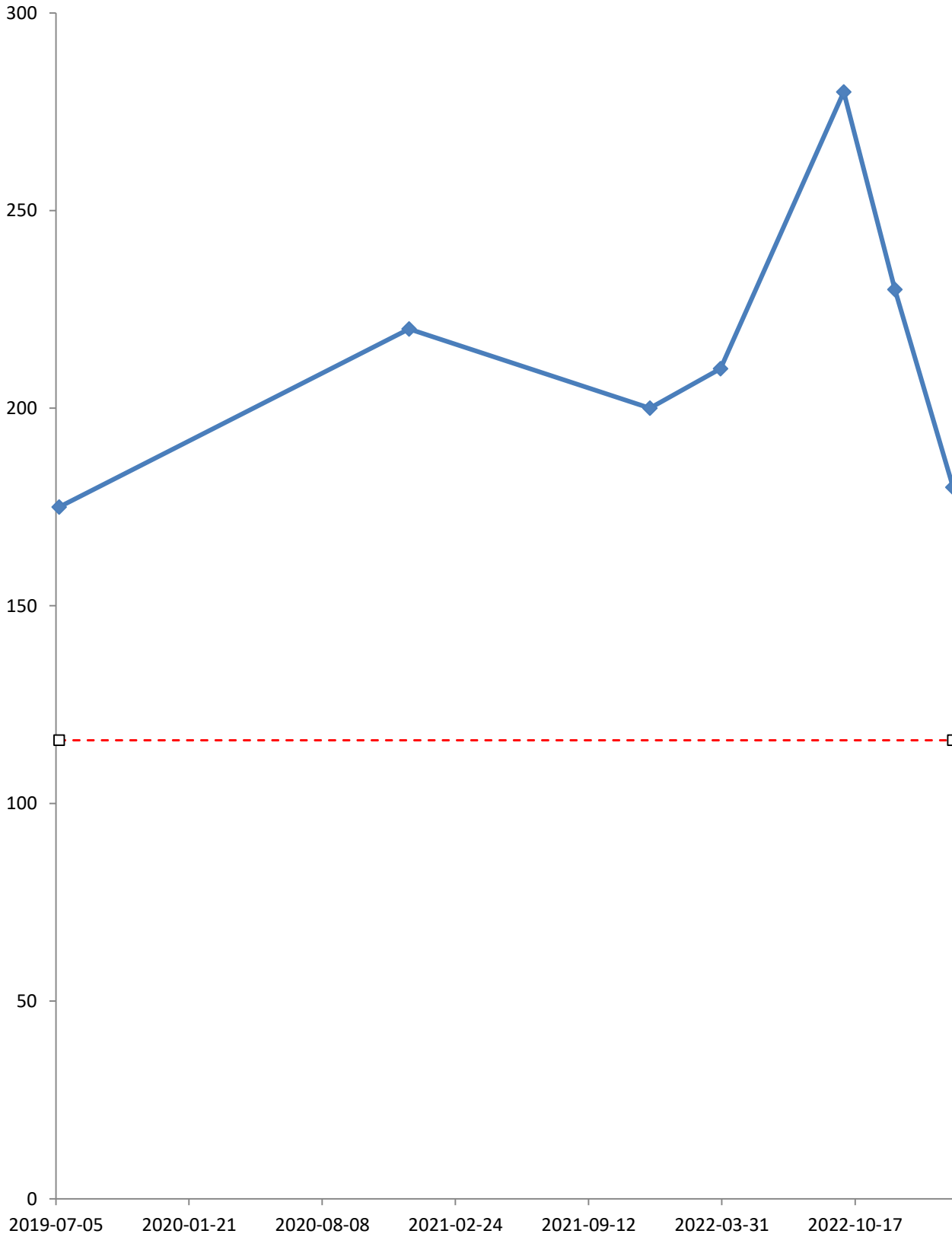


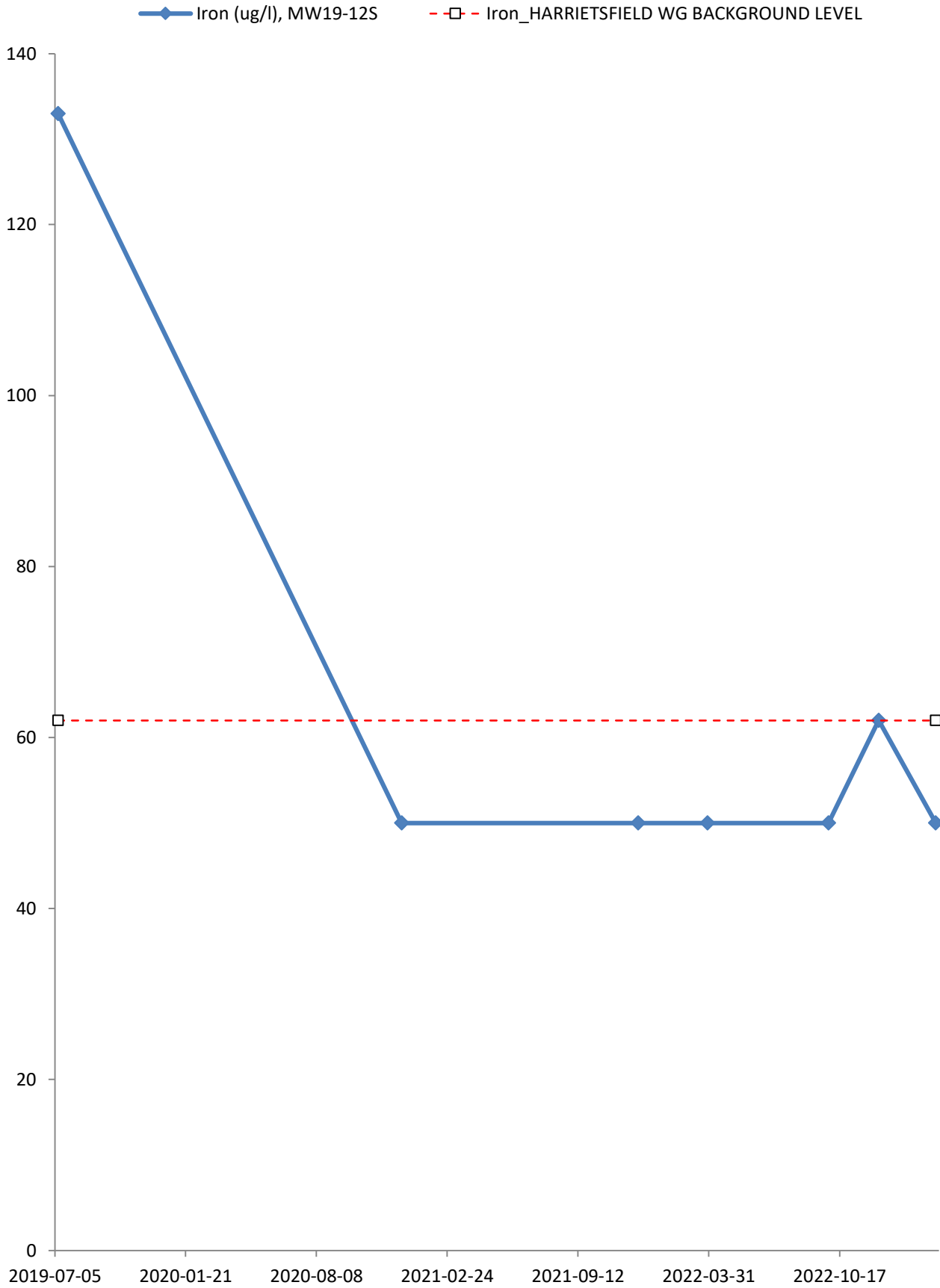
—◆— Electrical Conductivity (umhos/cm), MW19-12S
- -□- - Electrical Conductivity_HARRIETSFIELD WG BACKGROUND LEVEL

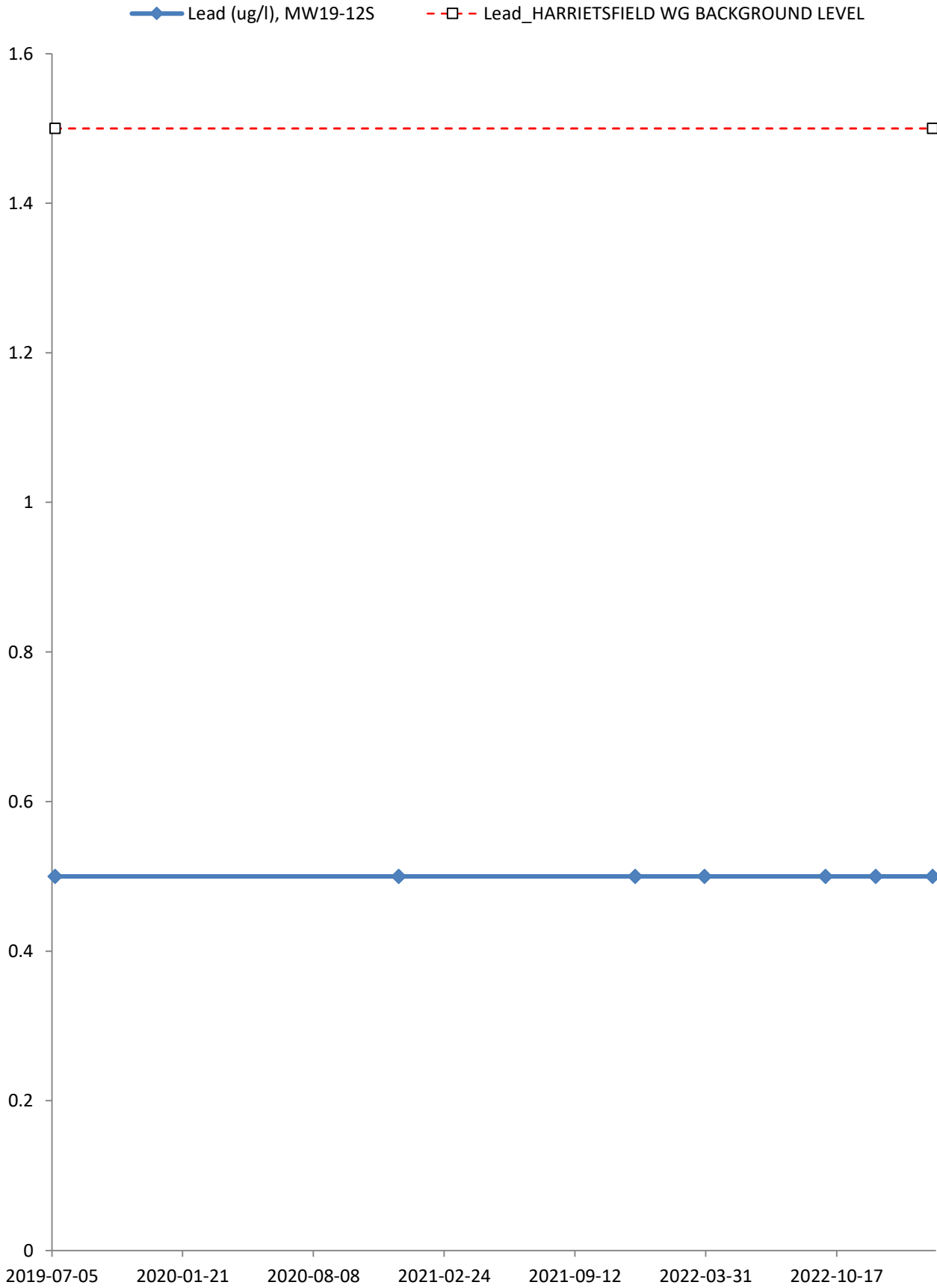


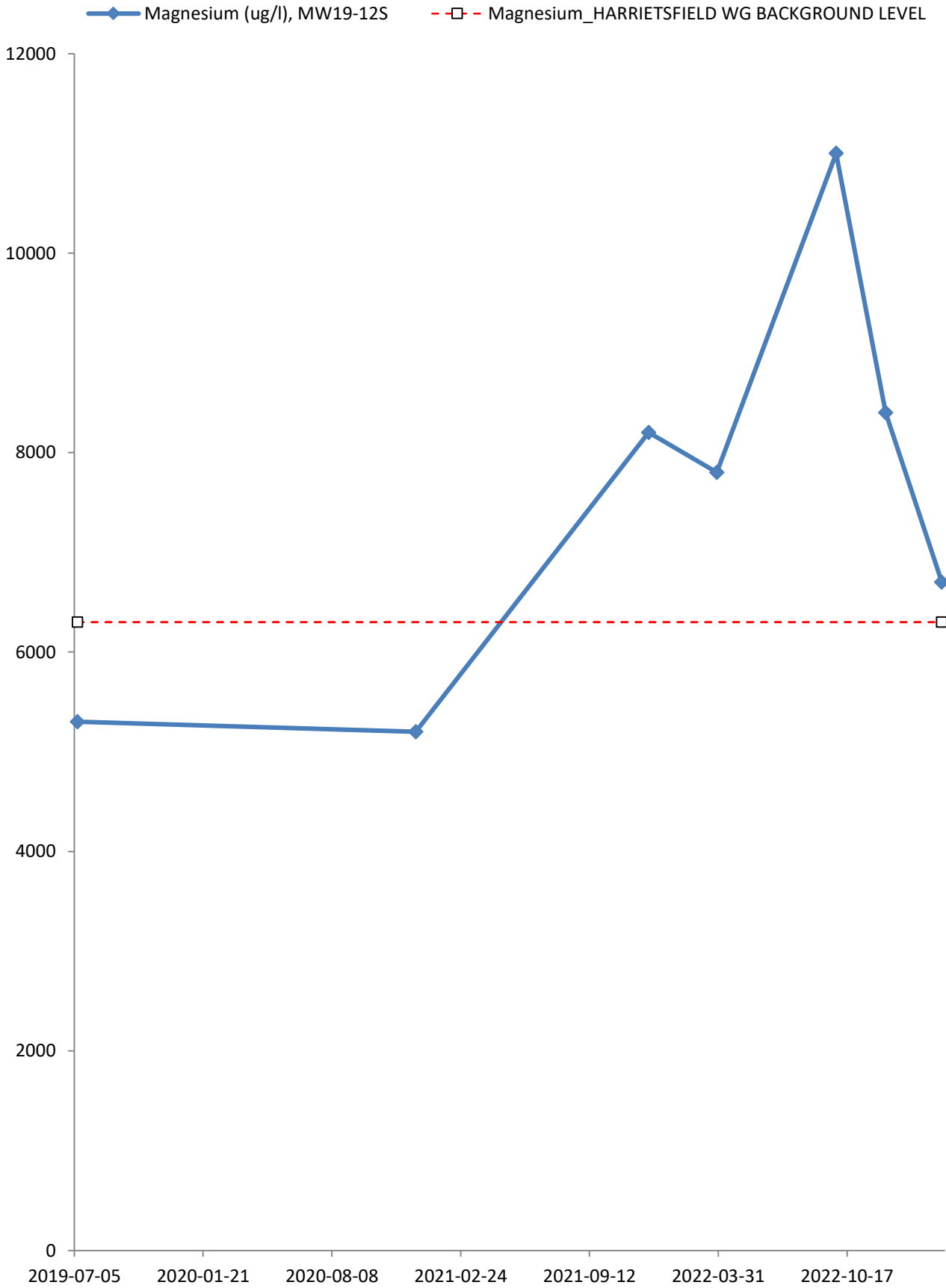


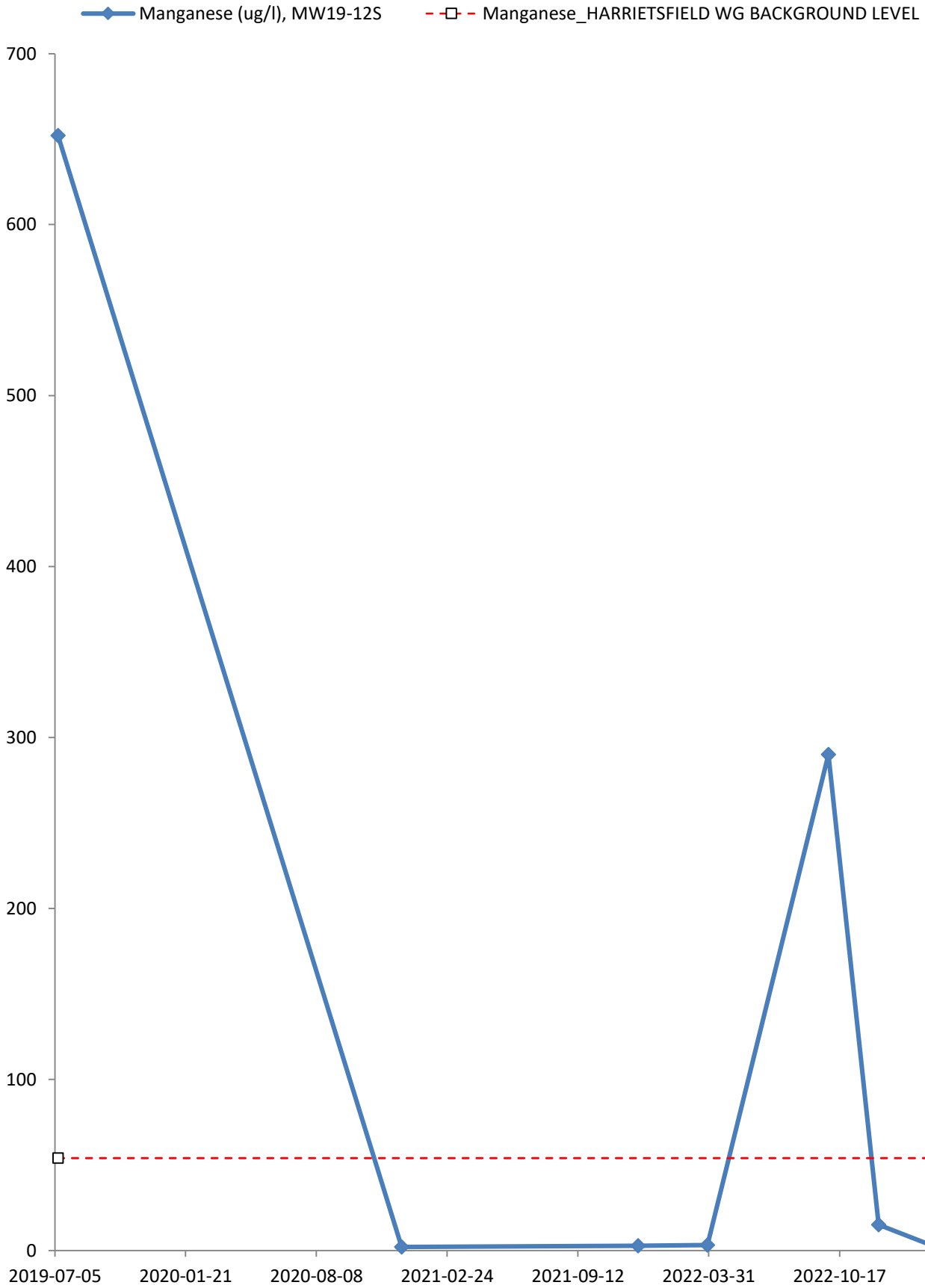
—◆— Hardness (as CaCO3) (mg/l), MW19-12S
- -□- - Hardness (as CaCO3)_HARRIETSFIELD WG BACKGROUND LEVEL





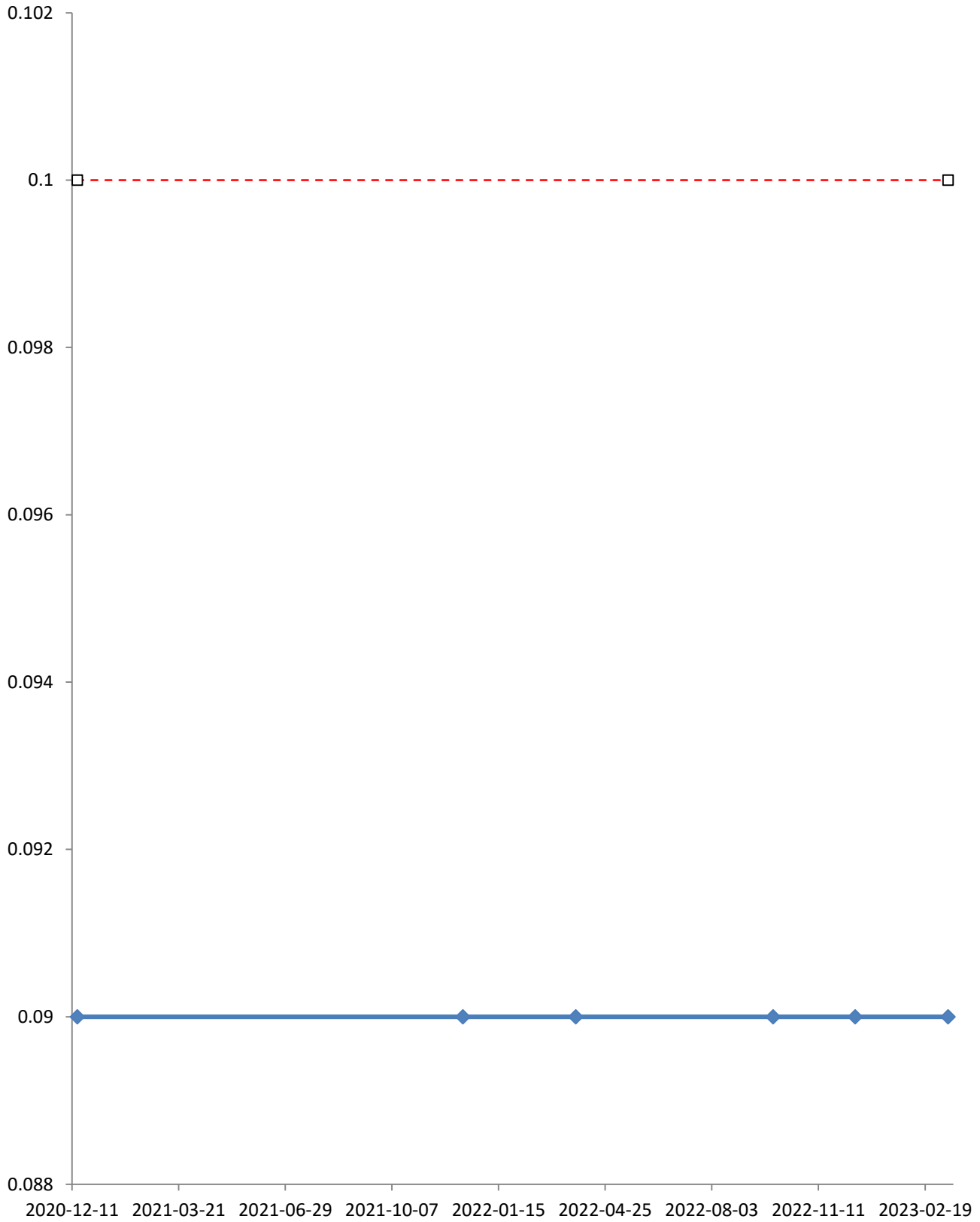


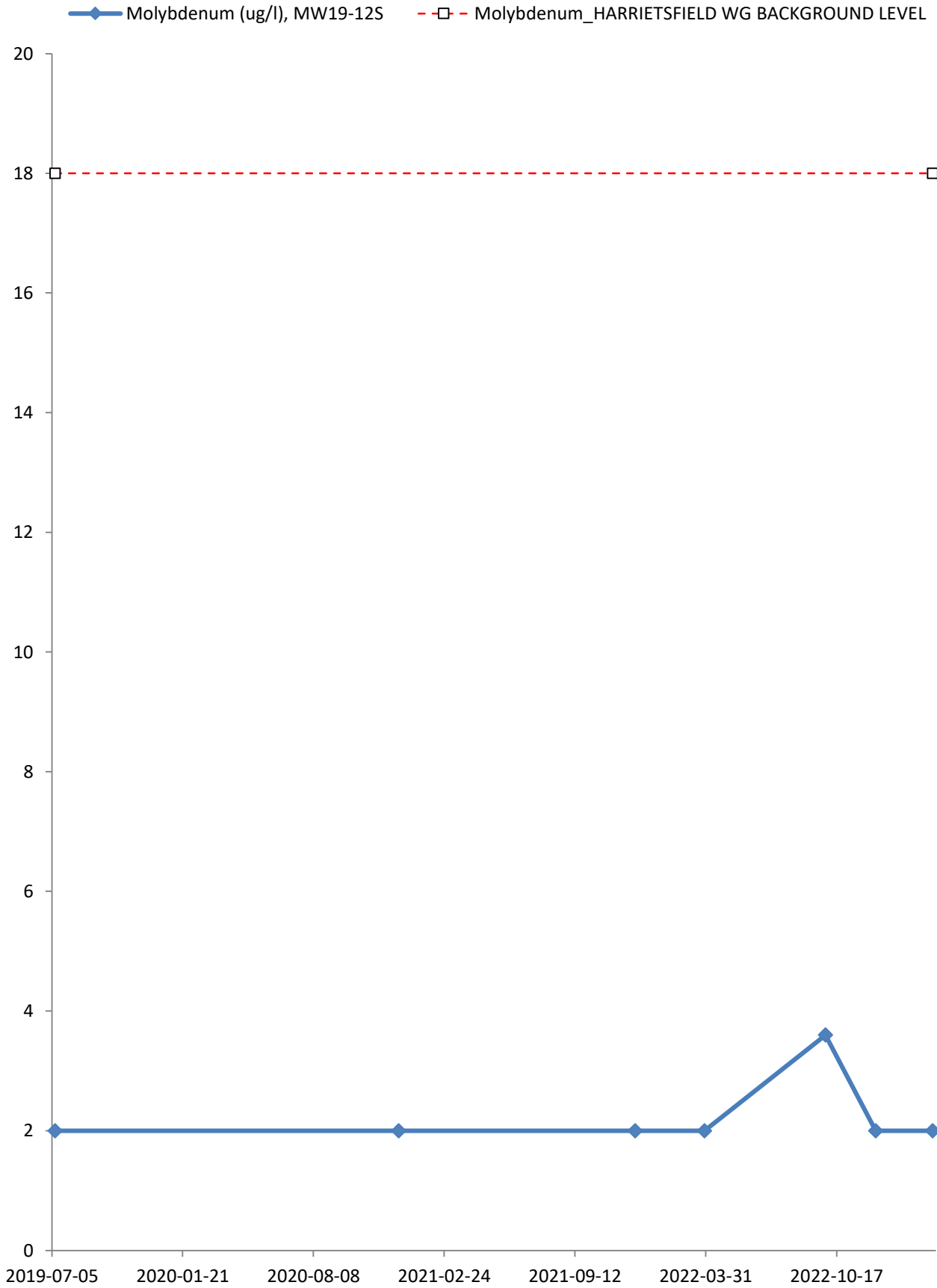


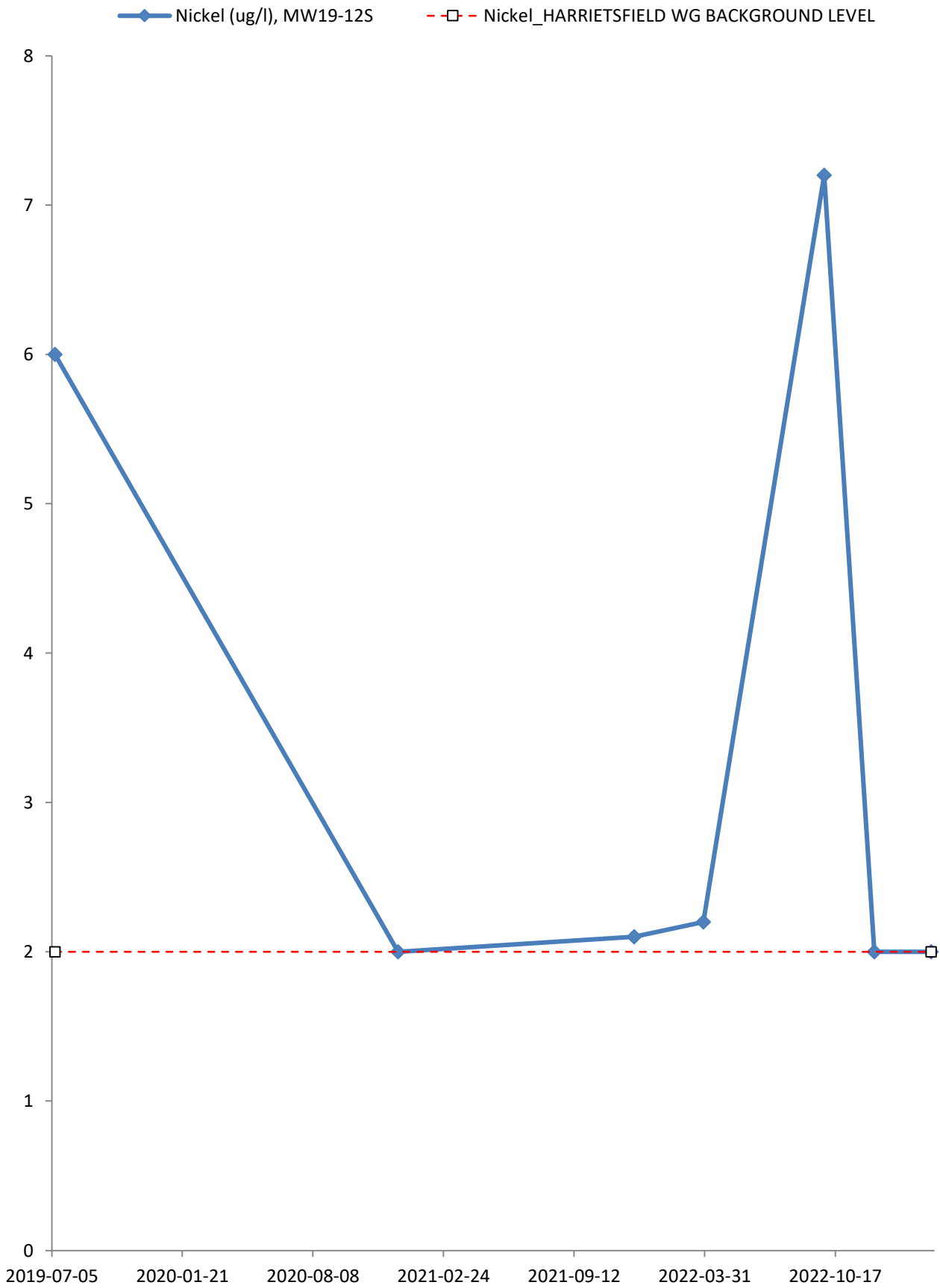


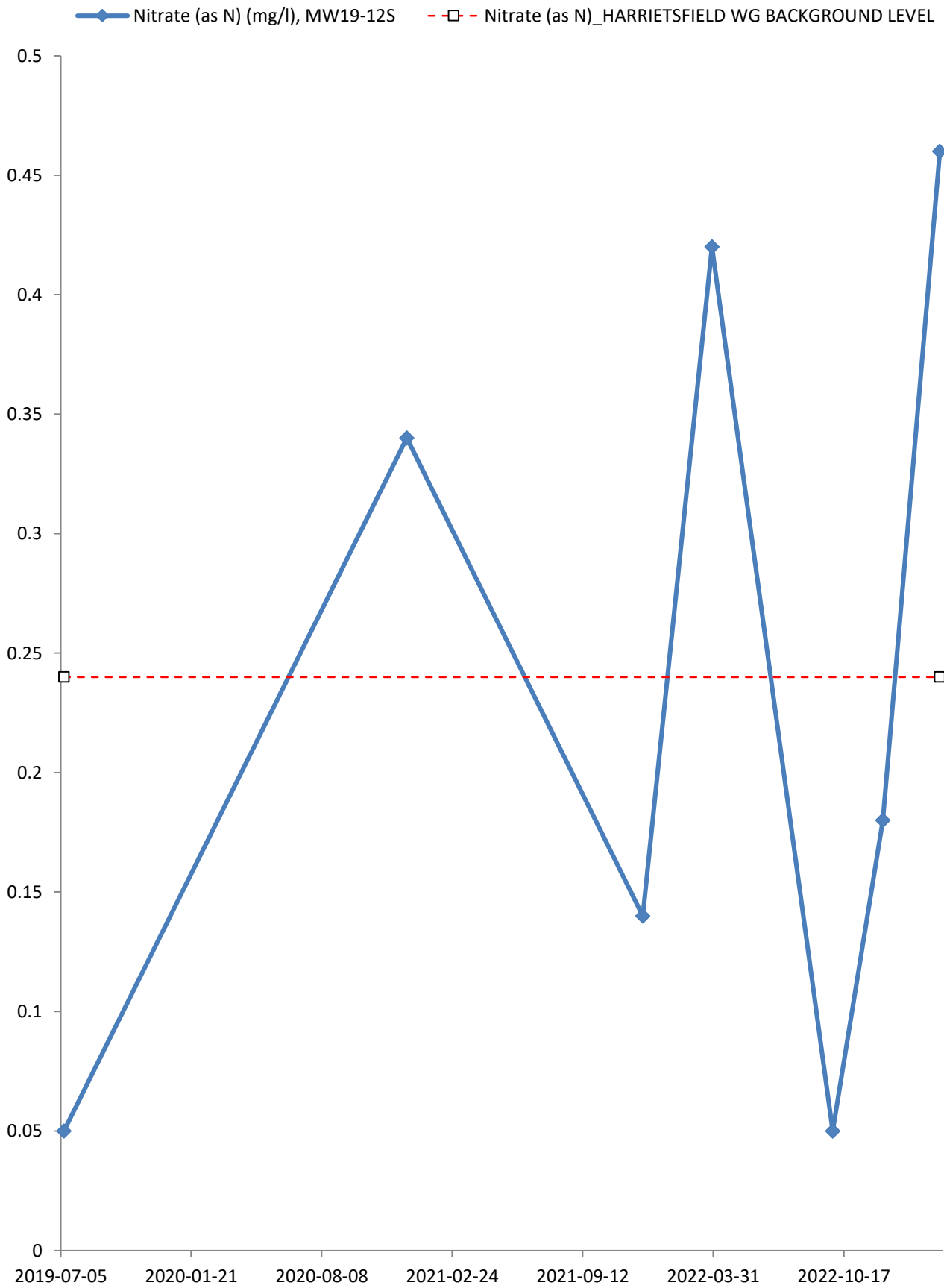


—◆— Modified TPH Tier 1 (mg/l), MW19-12S
- -□- - Modified TPH Tier 1_HARRIETSFIELD WG BACKGROUND LEVEL

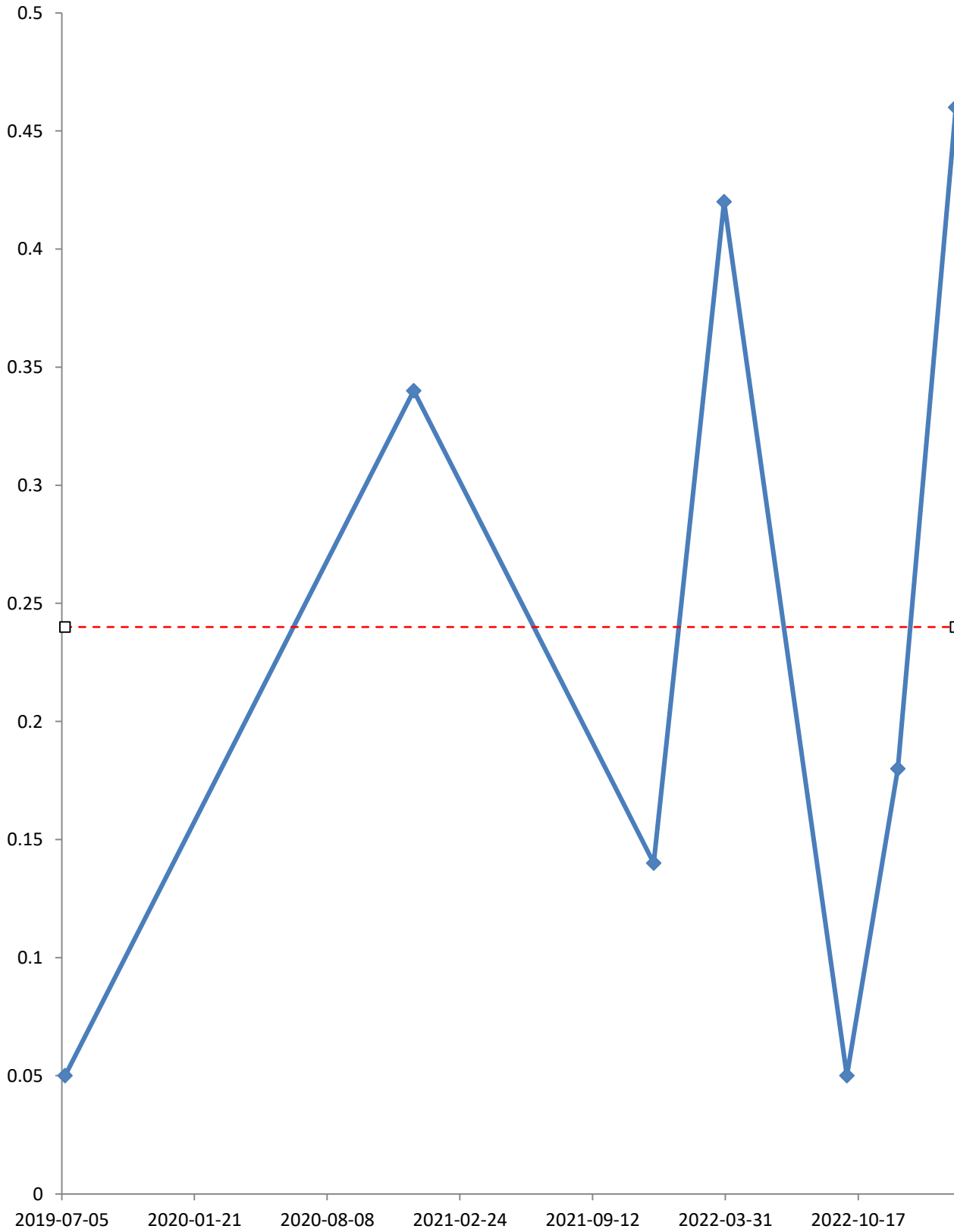


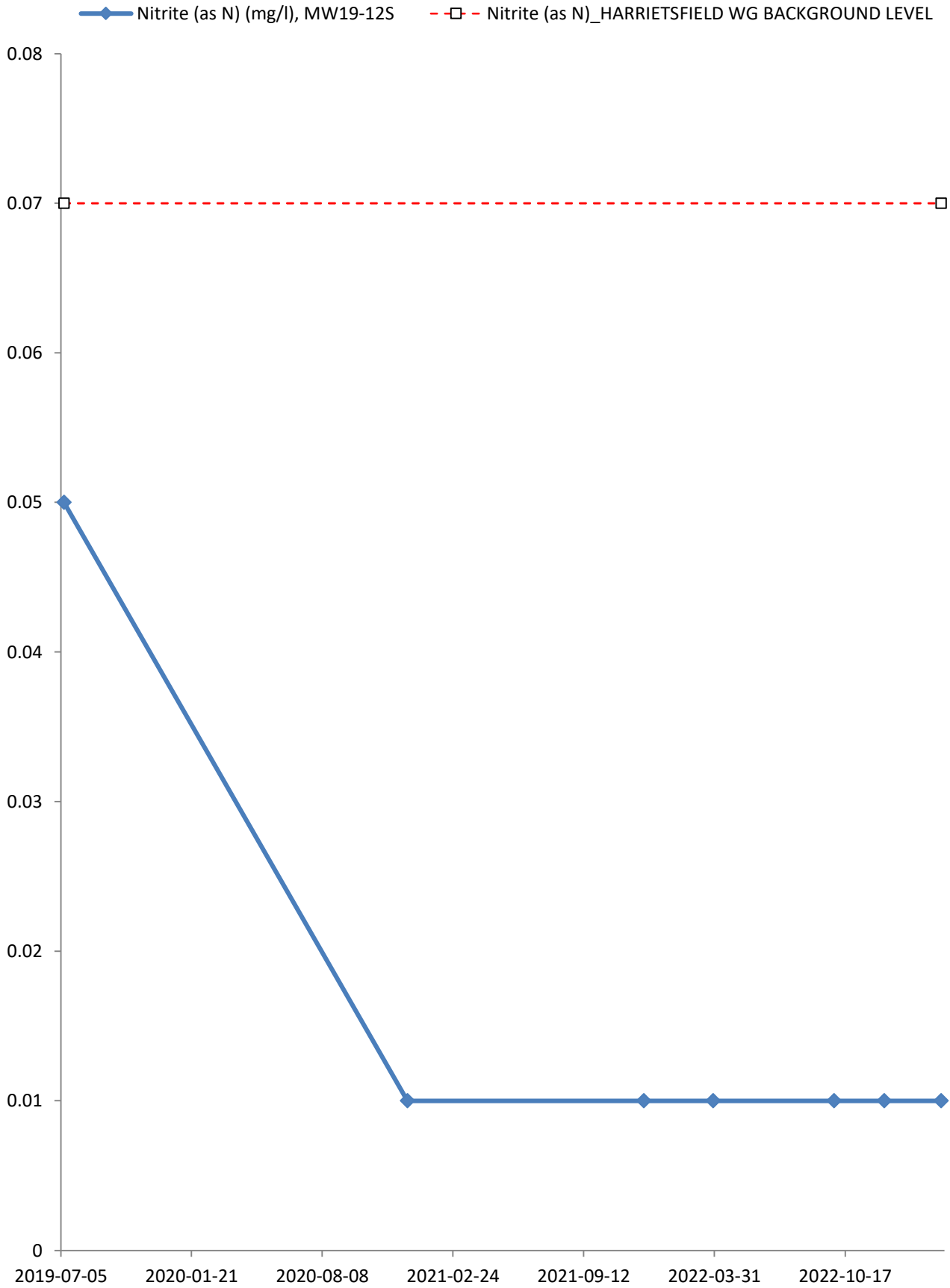




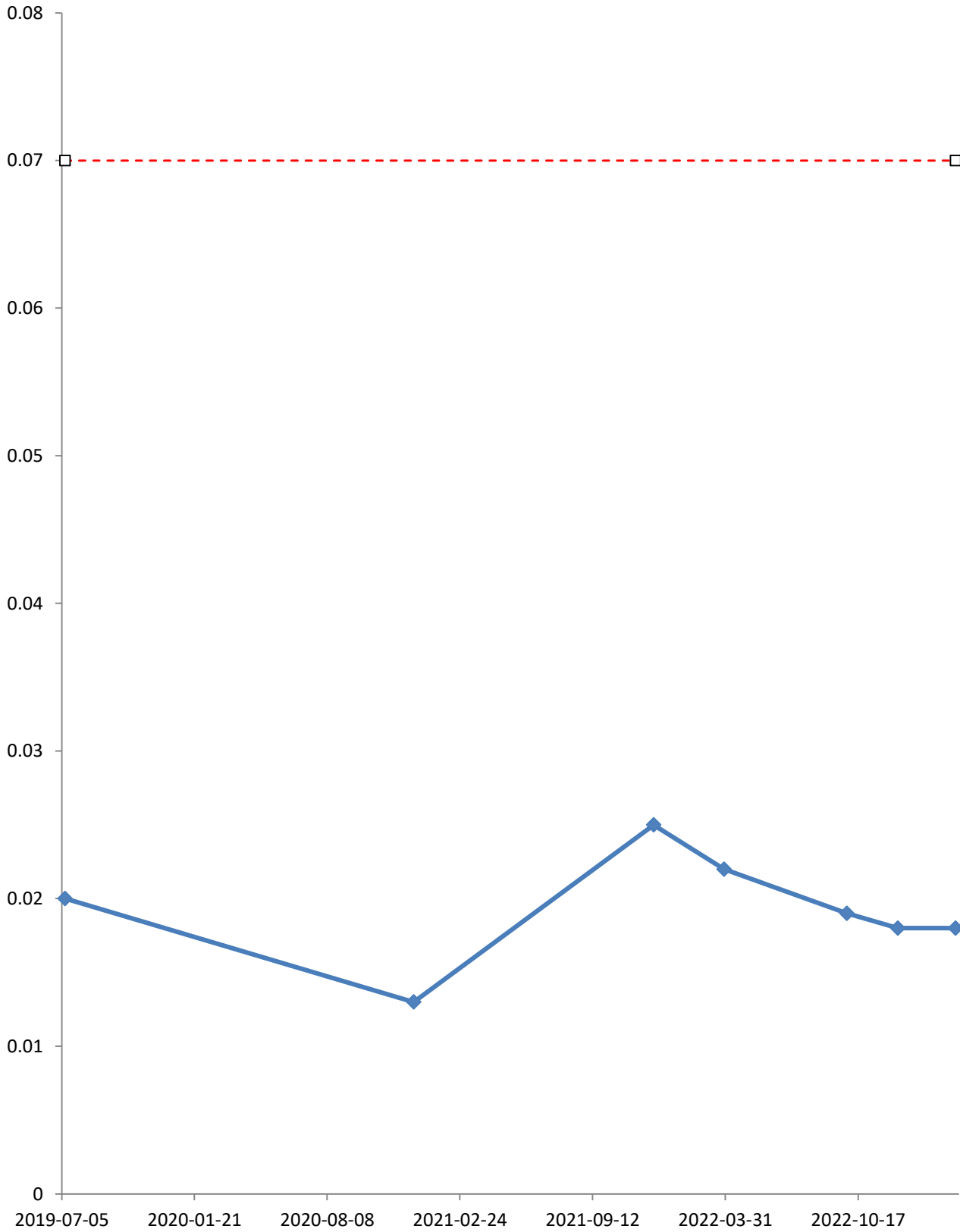


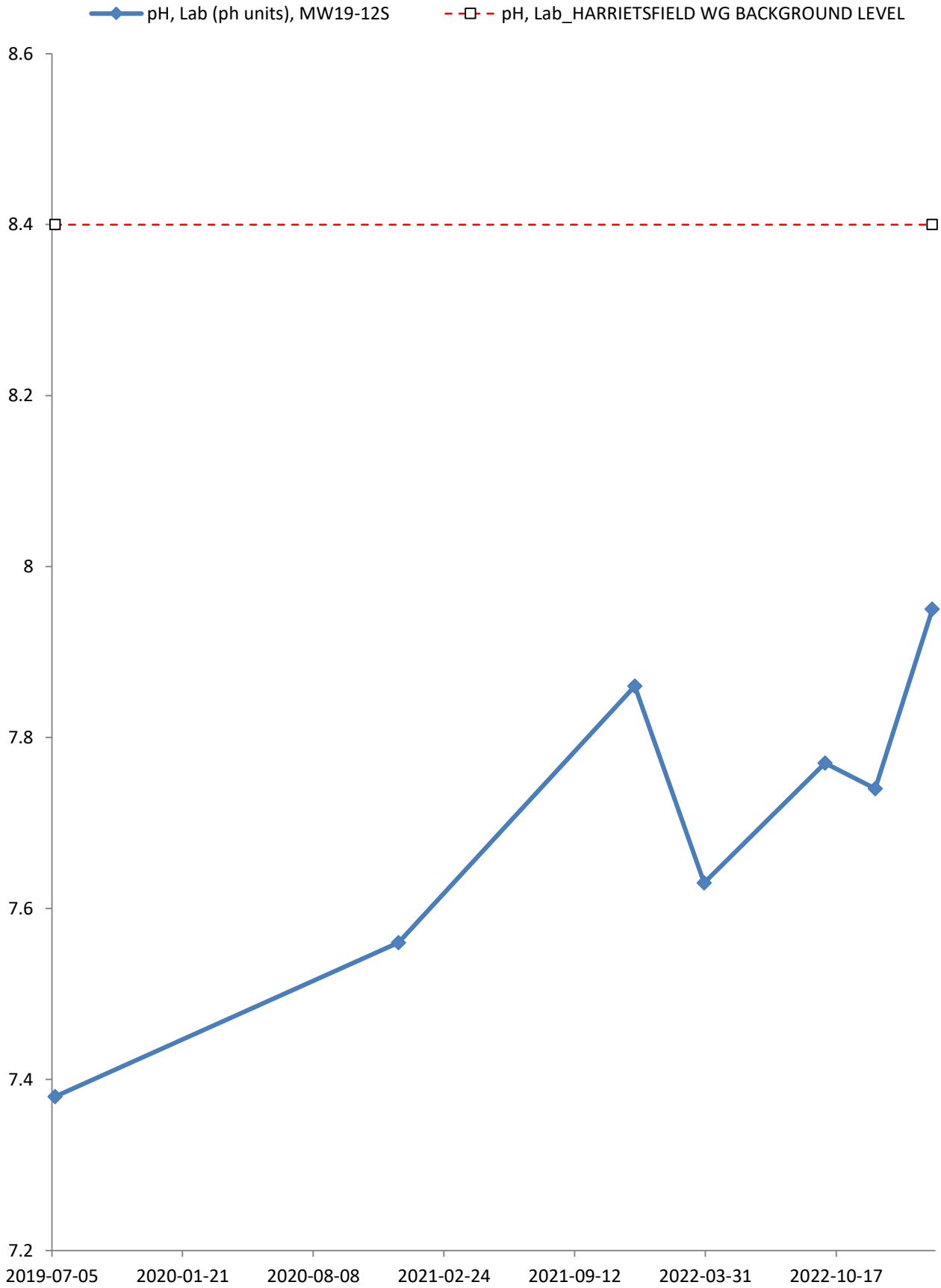
—◆— Nitrate plus Nitrite (N) (mg/l), MW19-12S
- - □ - - Nitrate plus Nitrite (N)_HARRIETSFIELD WG BACKGROUND LEVEL

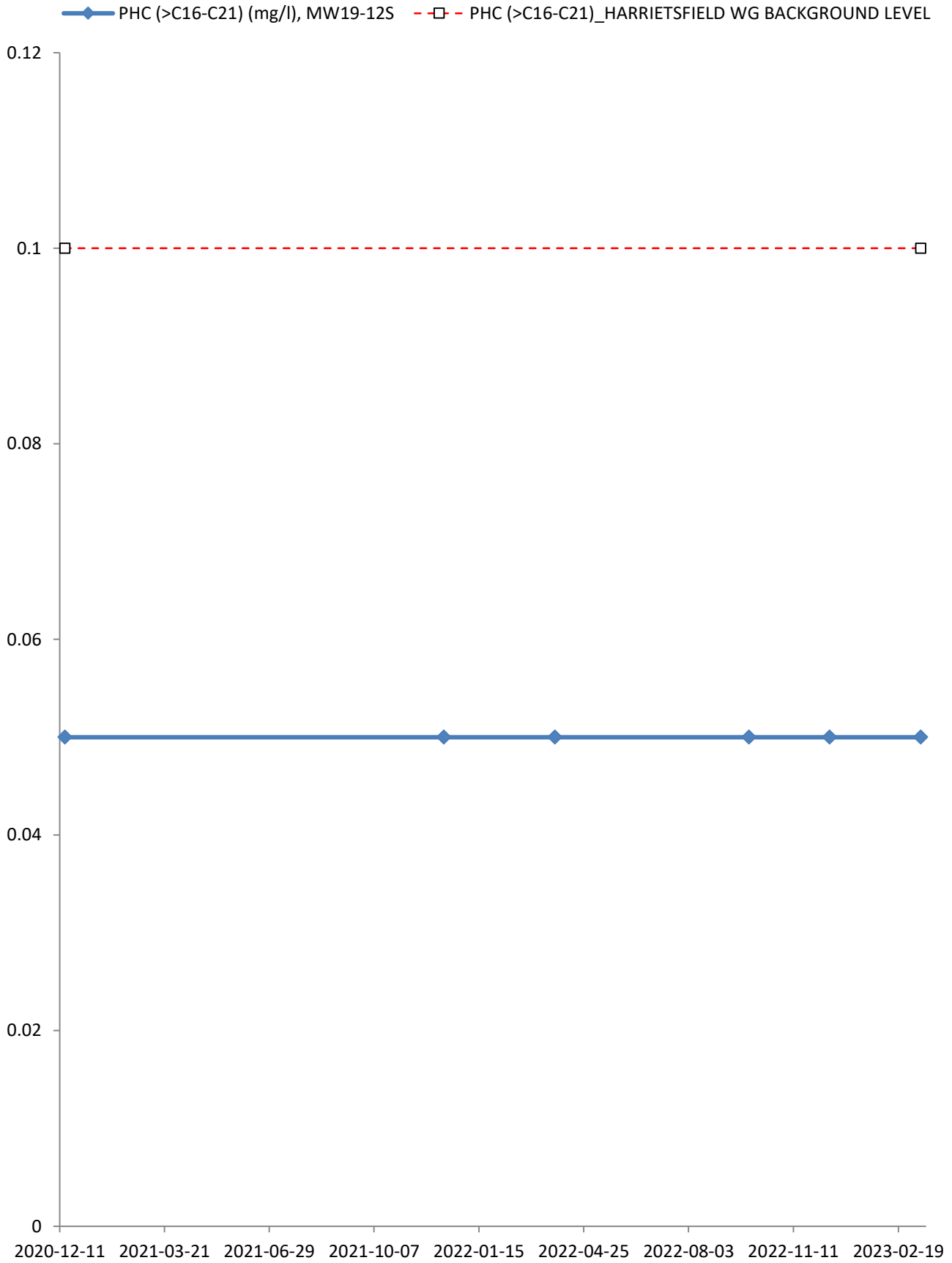


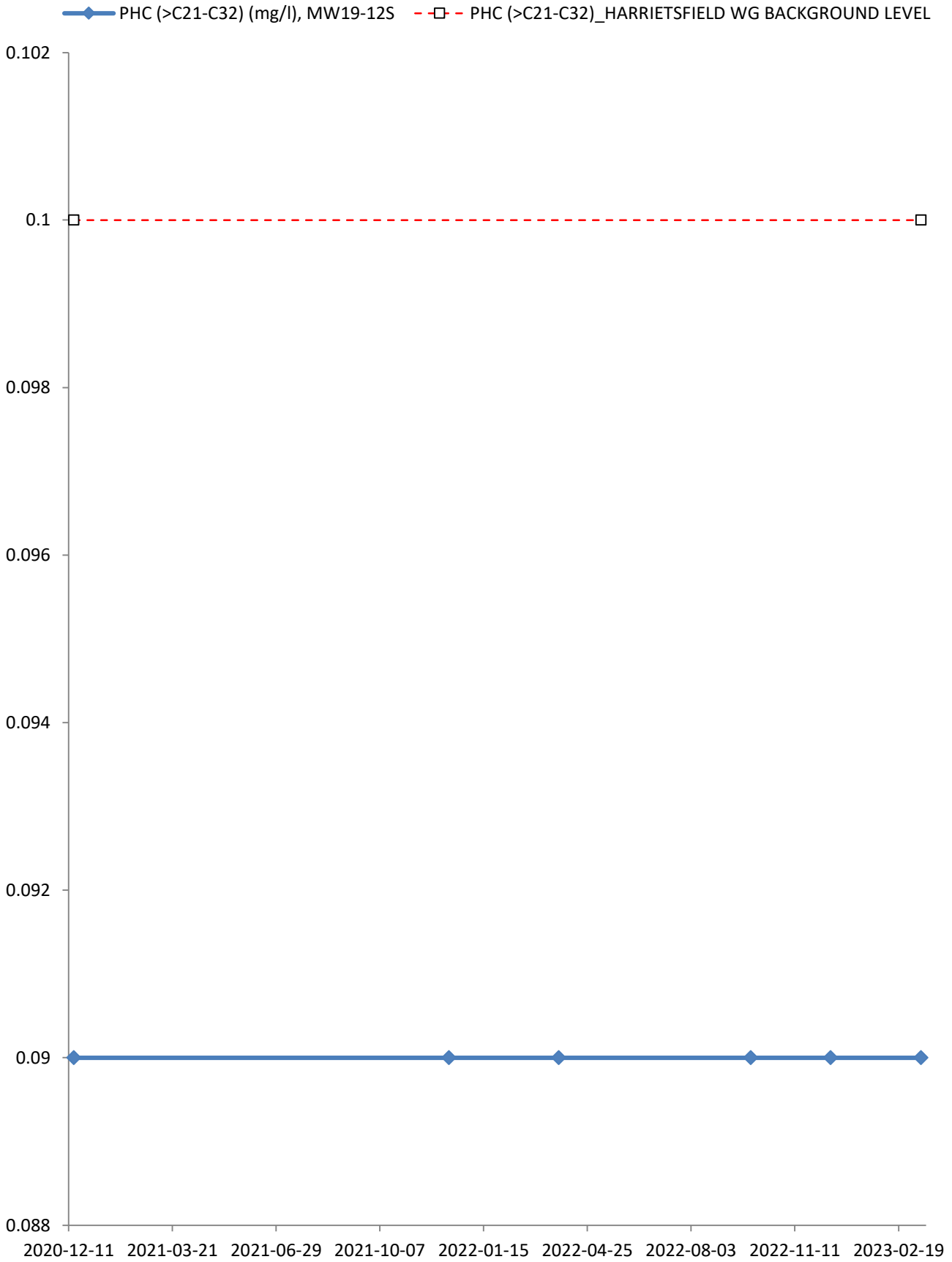


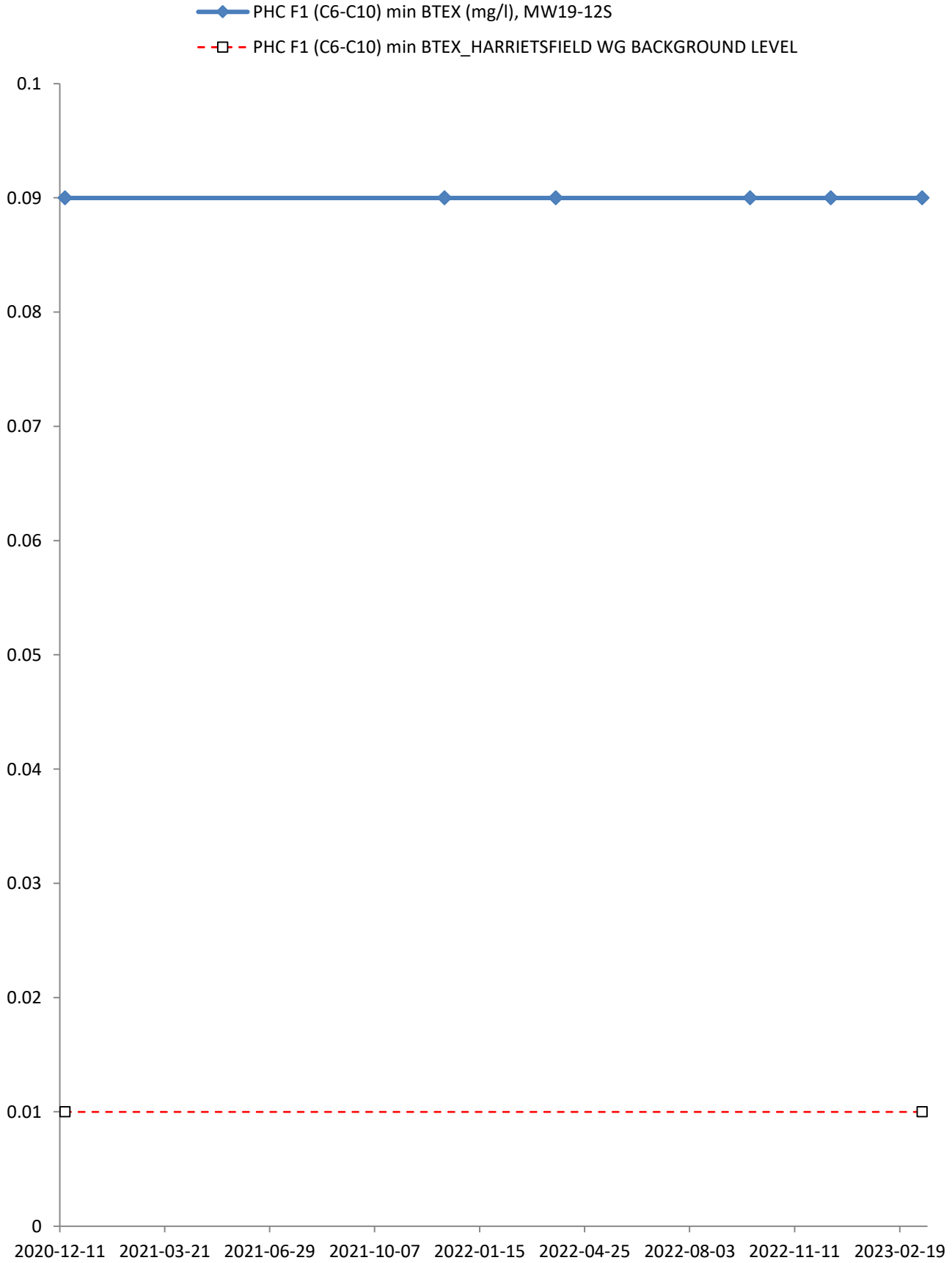
—◆— Orthophosphate(as P) (mg/l), MW19-12S
- -□- - Orthophosphate(as P)_HARRIETSFIELD WG BACKGROUND LEVEL



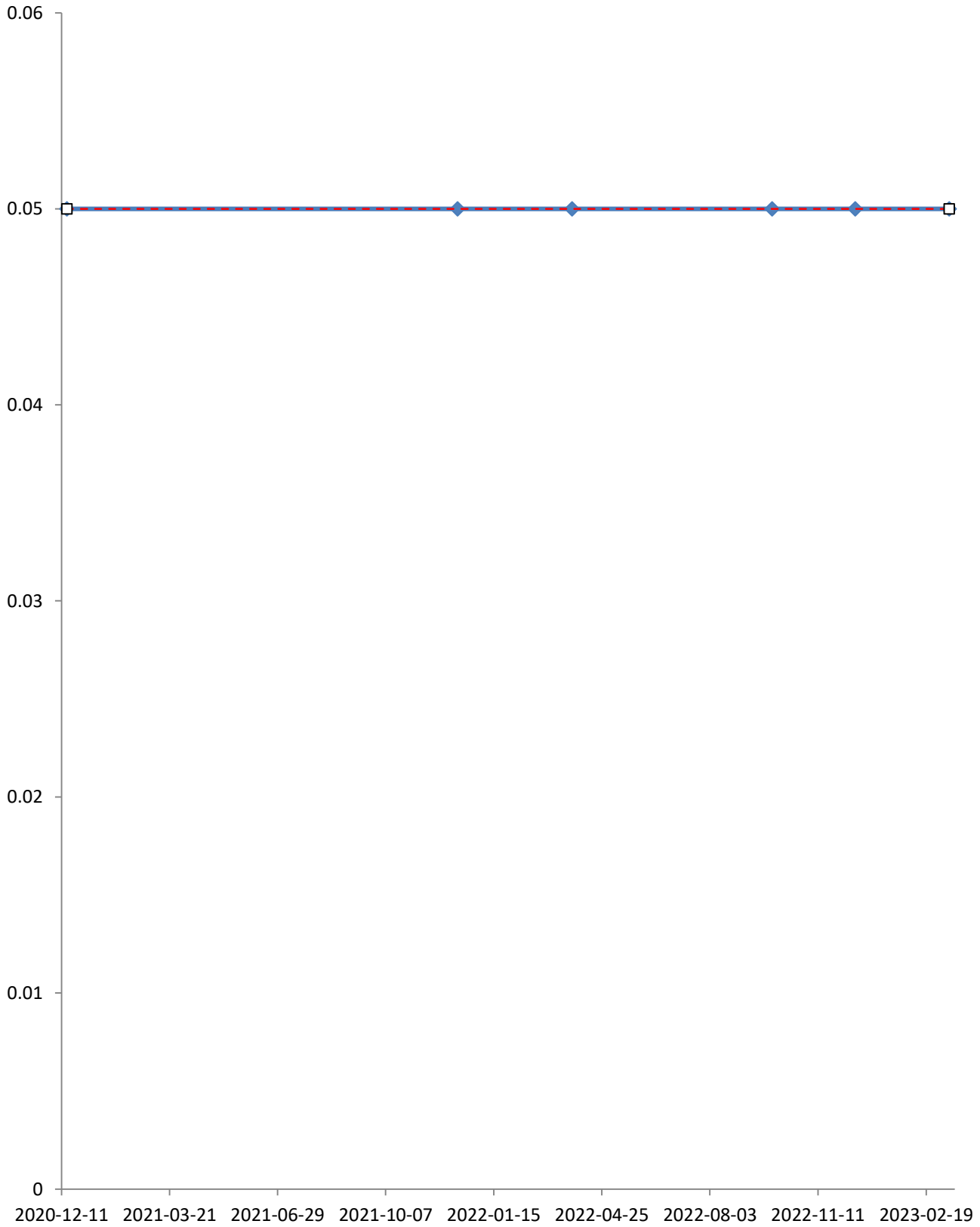


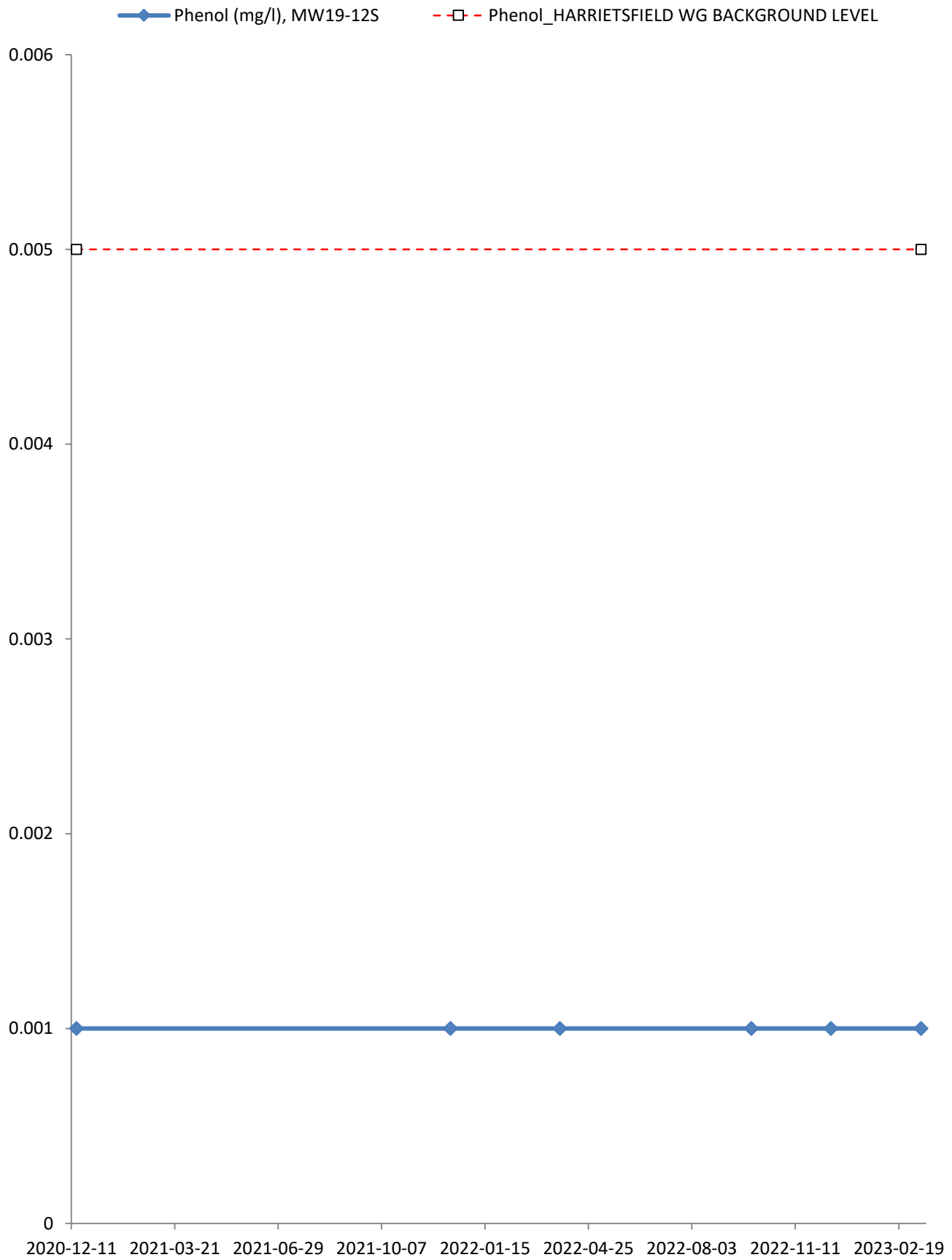


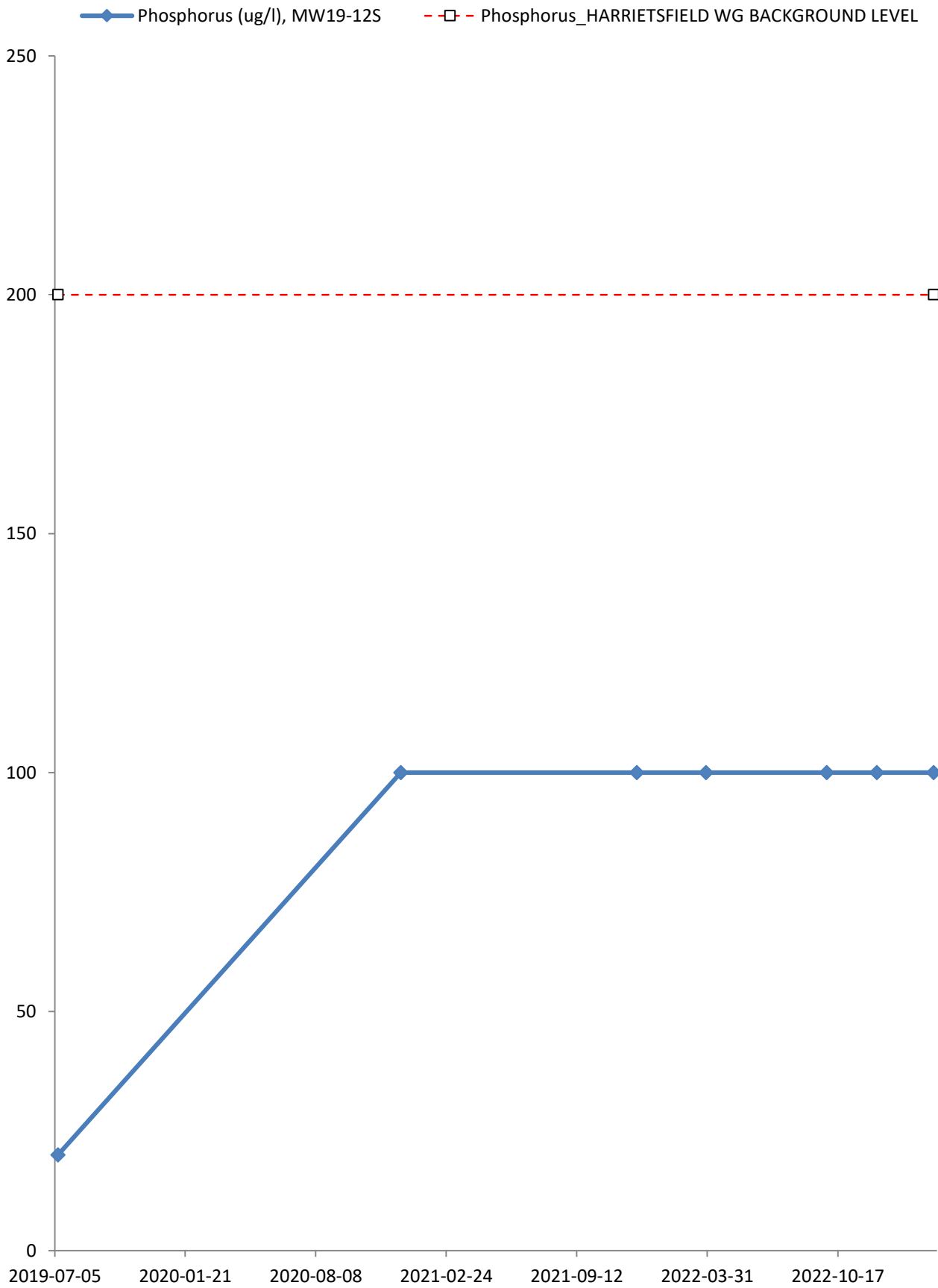


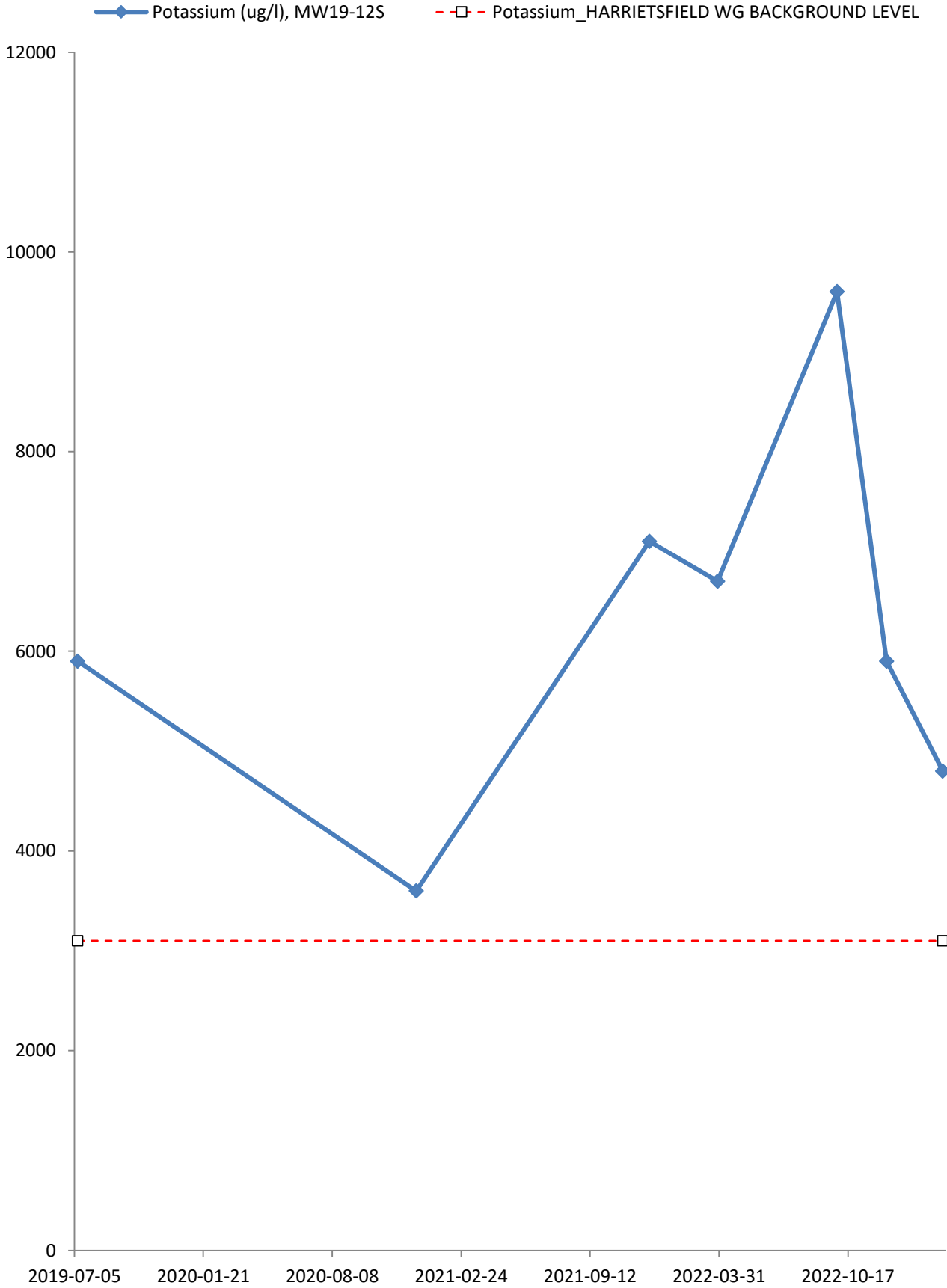


—◆— PHC F2 (>C10-C16) (mg/l), MW19-12S
- -□- - PHC F2 (>C10-C16)_HARRIETSFIELD WG BACKGROUND LEVEL

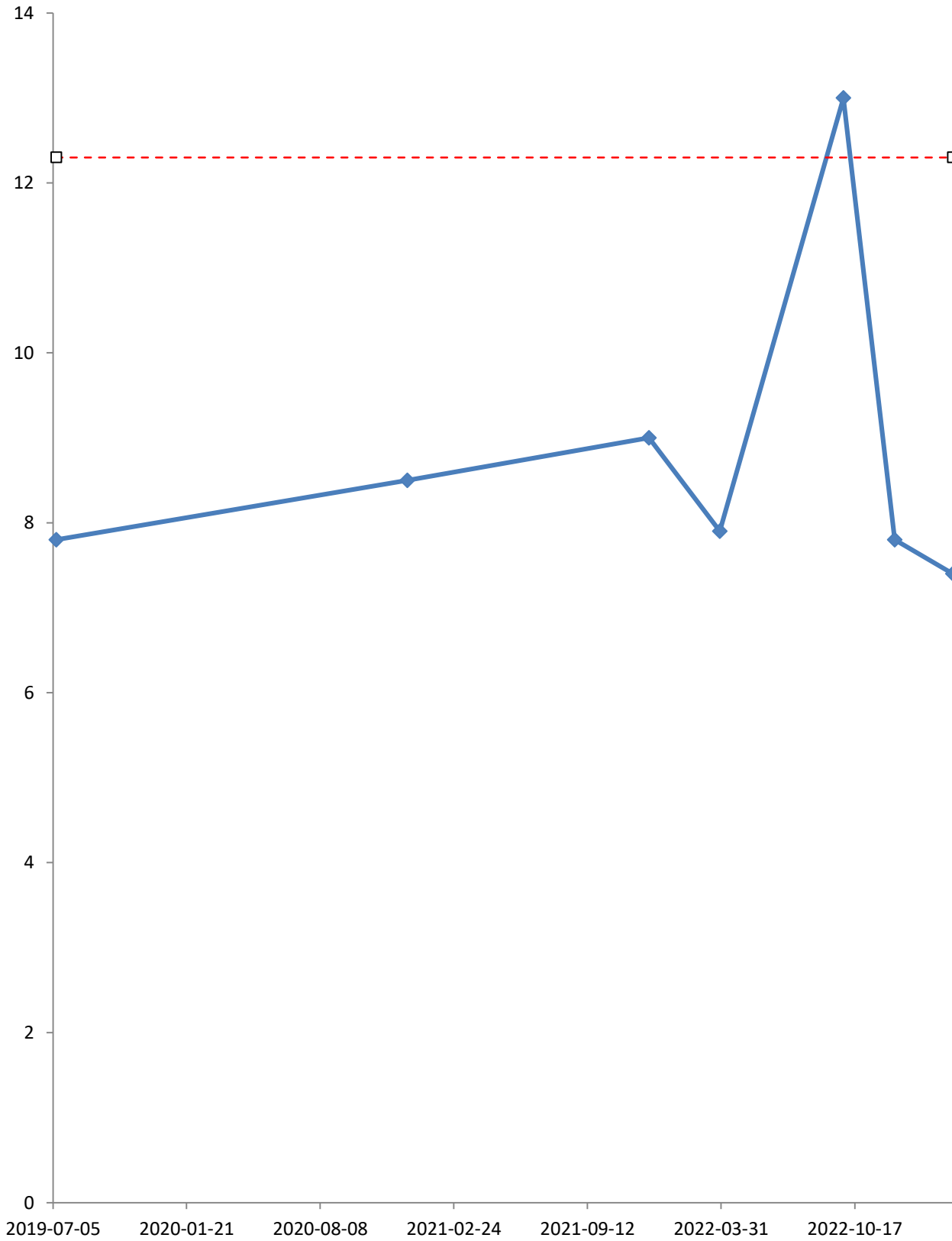




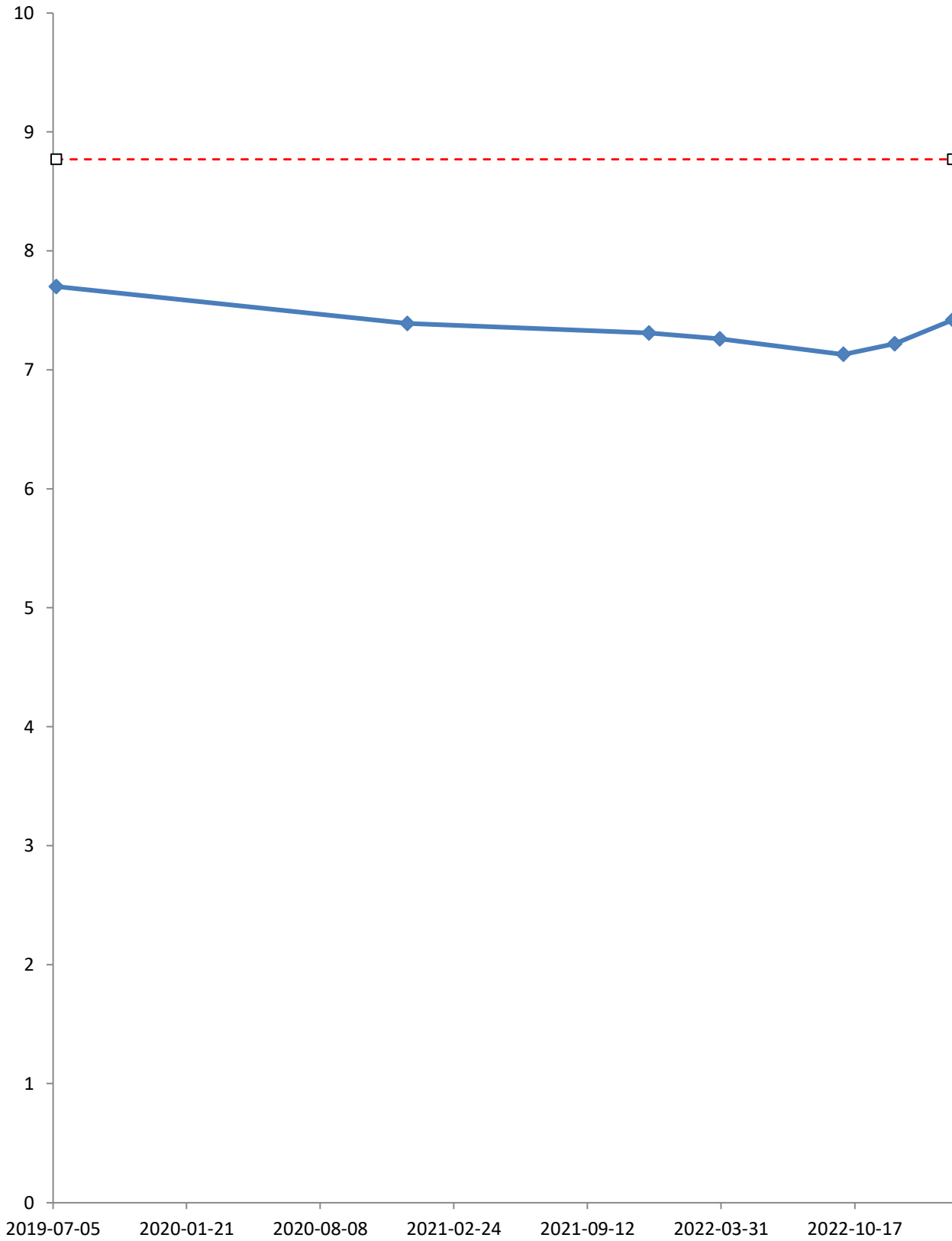


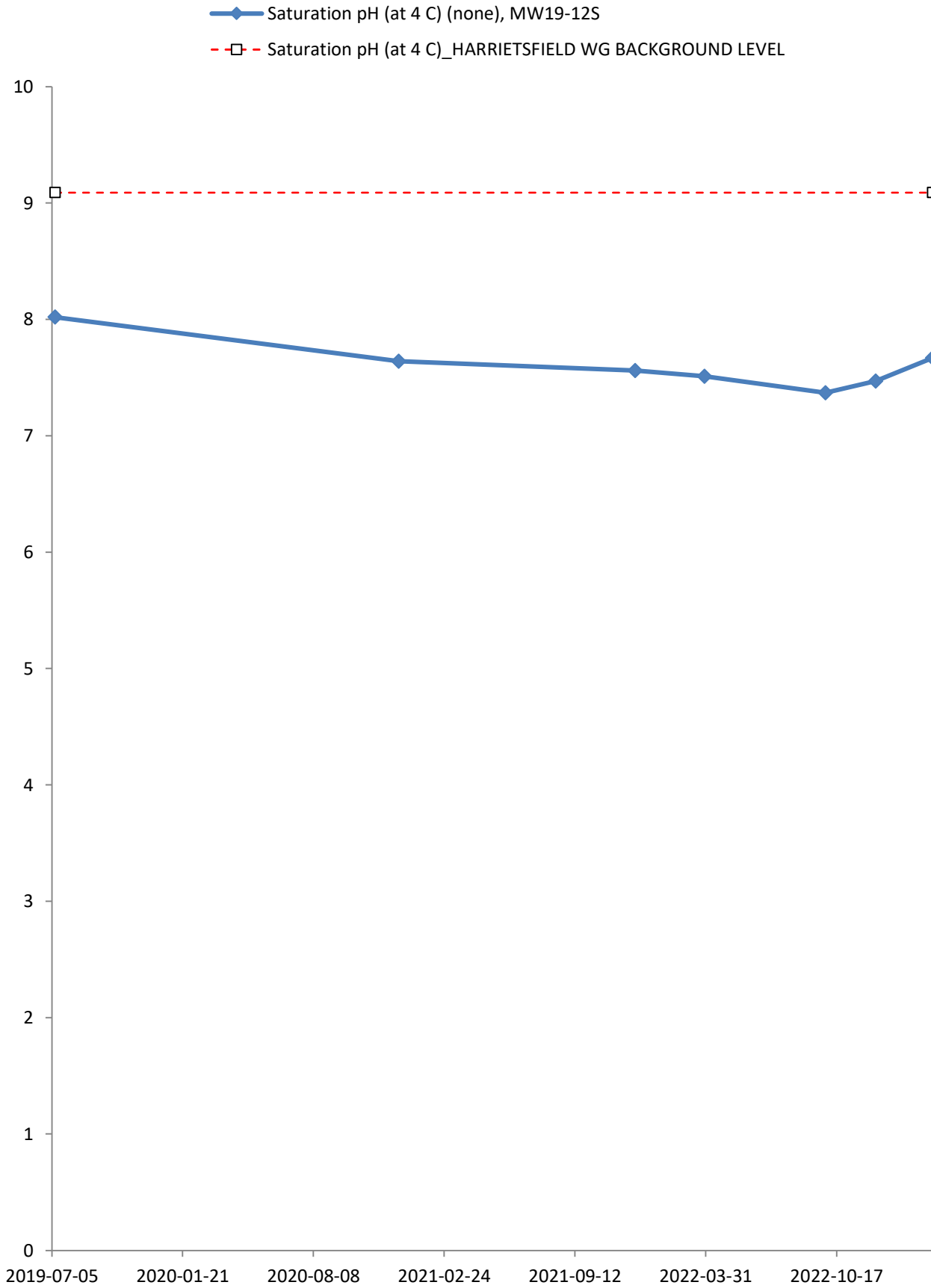


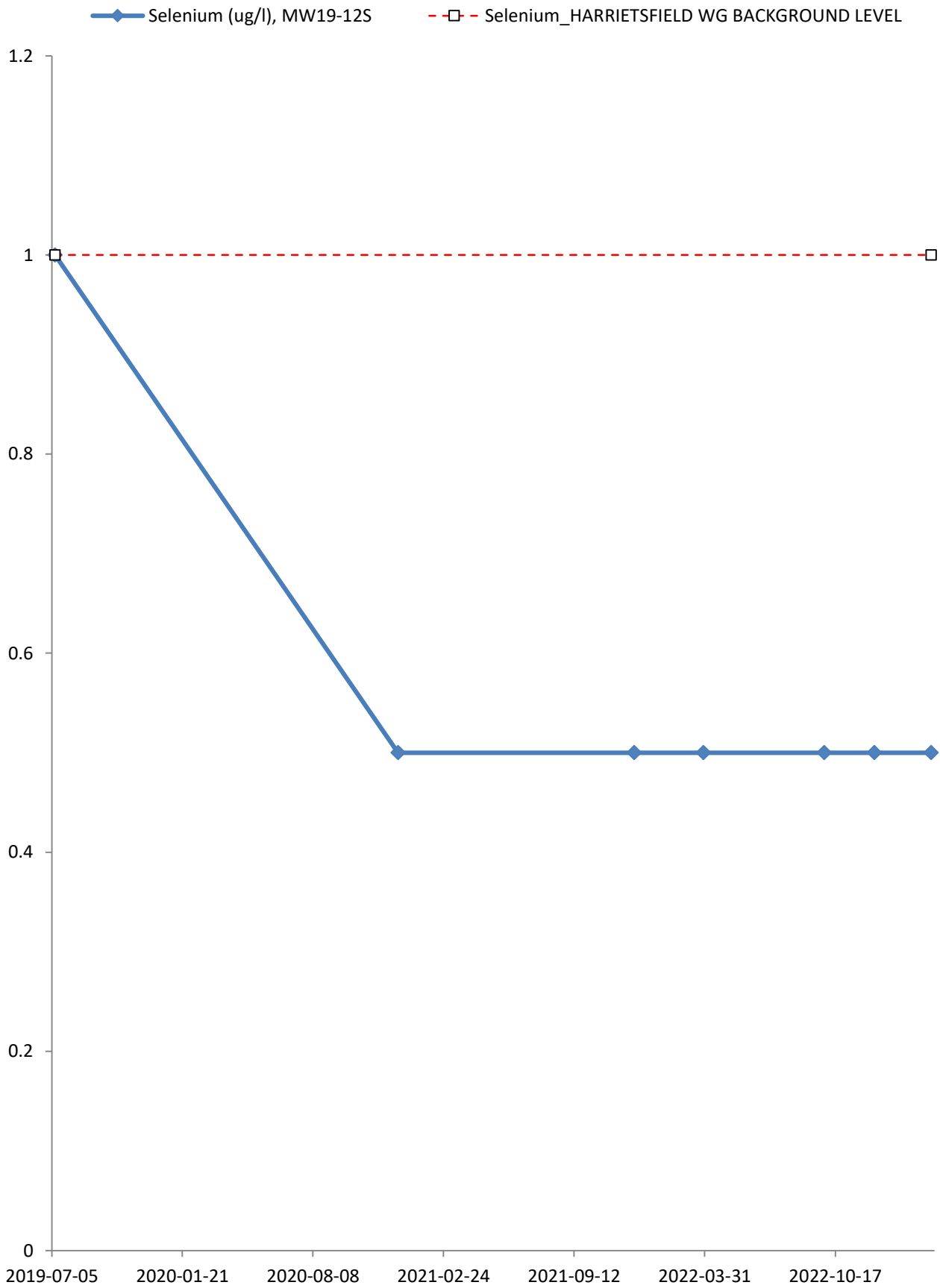
◆ Reactive Silica (SiO₂) (mg/l), MW19-12S
-□- Reactive Silica (SiO₂)_HARRIETSFIELD WG BACKGROUND LEVEL

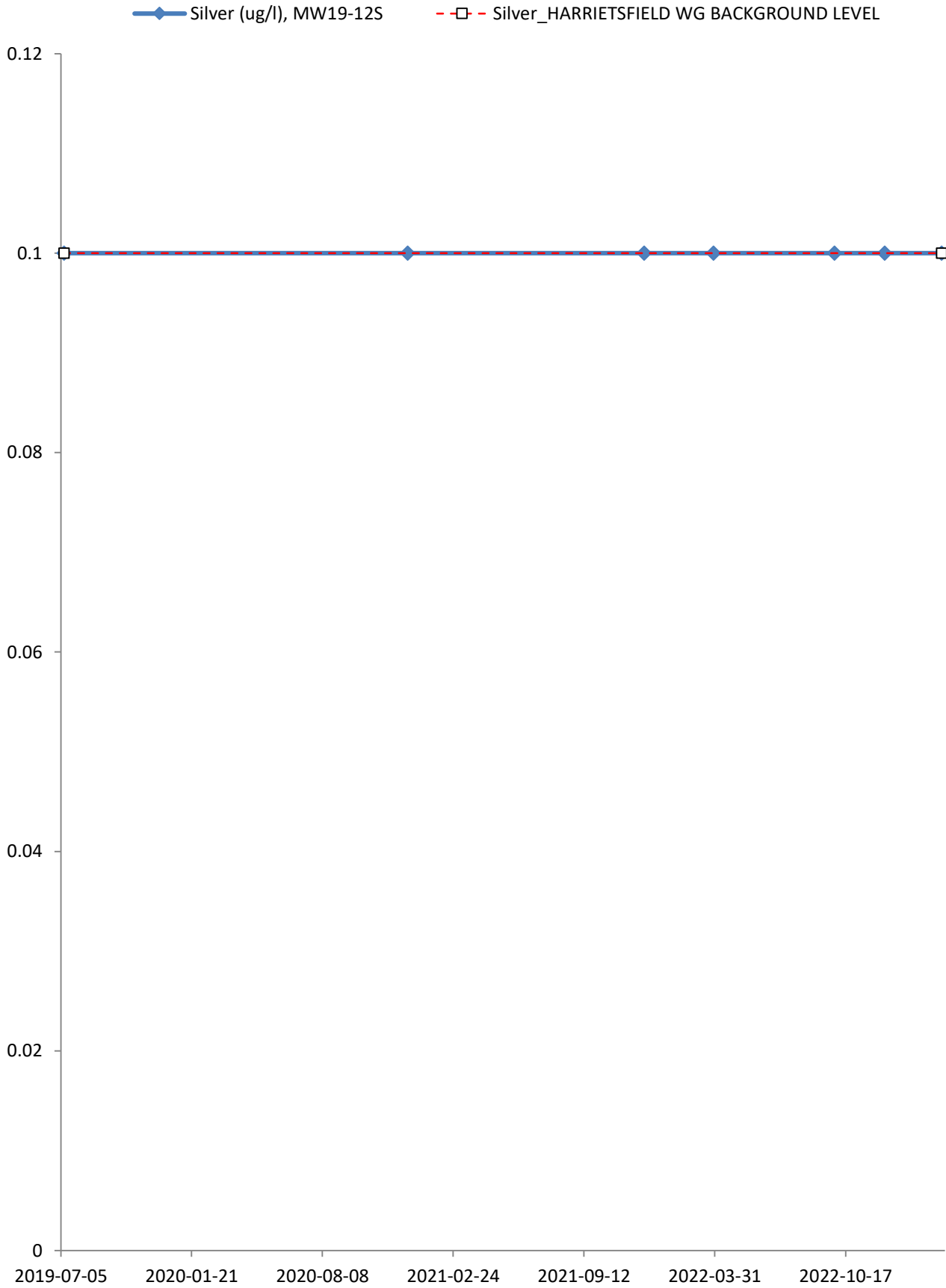


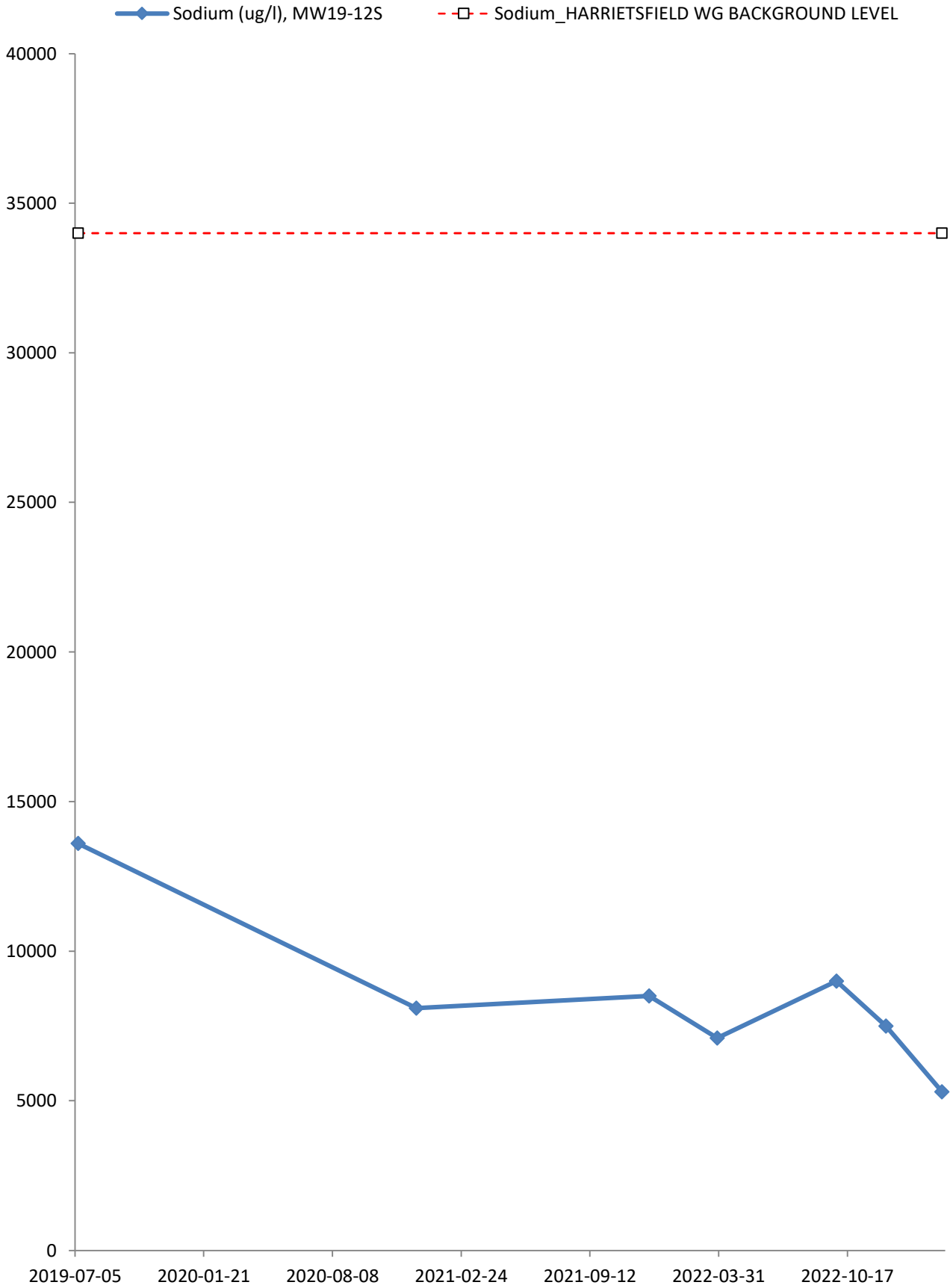
—◆— Saturation pH (at 20 C) (none), MW19-12S
- -□- - Saturation pH (at 20 C)_HARRIETSFIELD WG BACKGROUND LEVEL

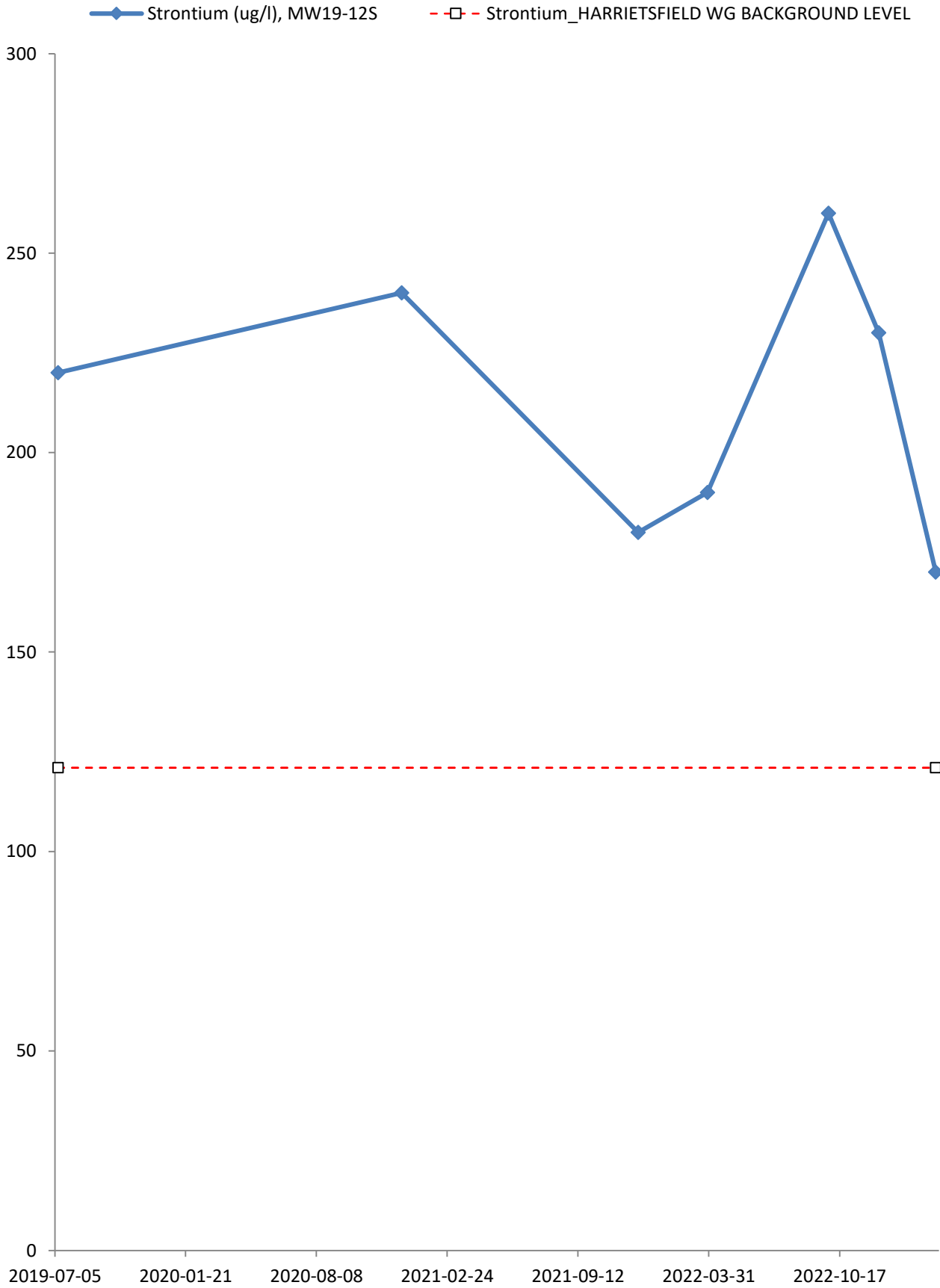


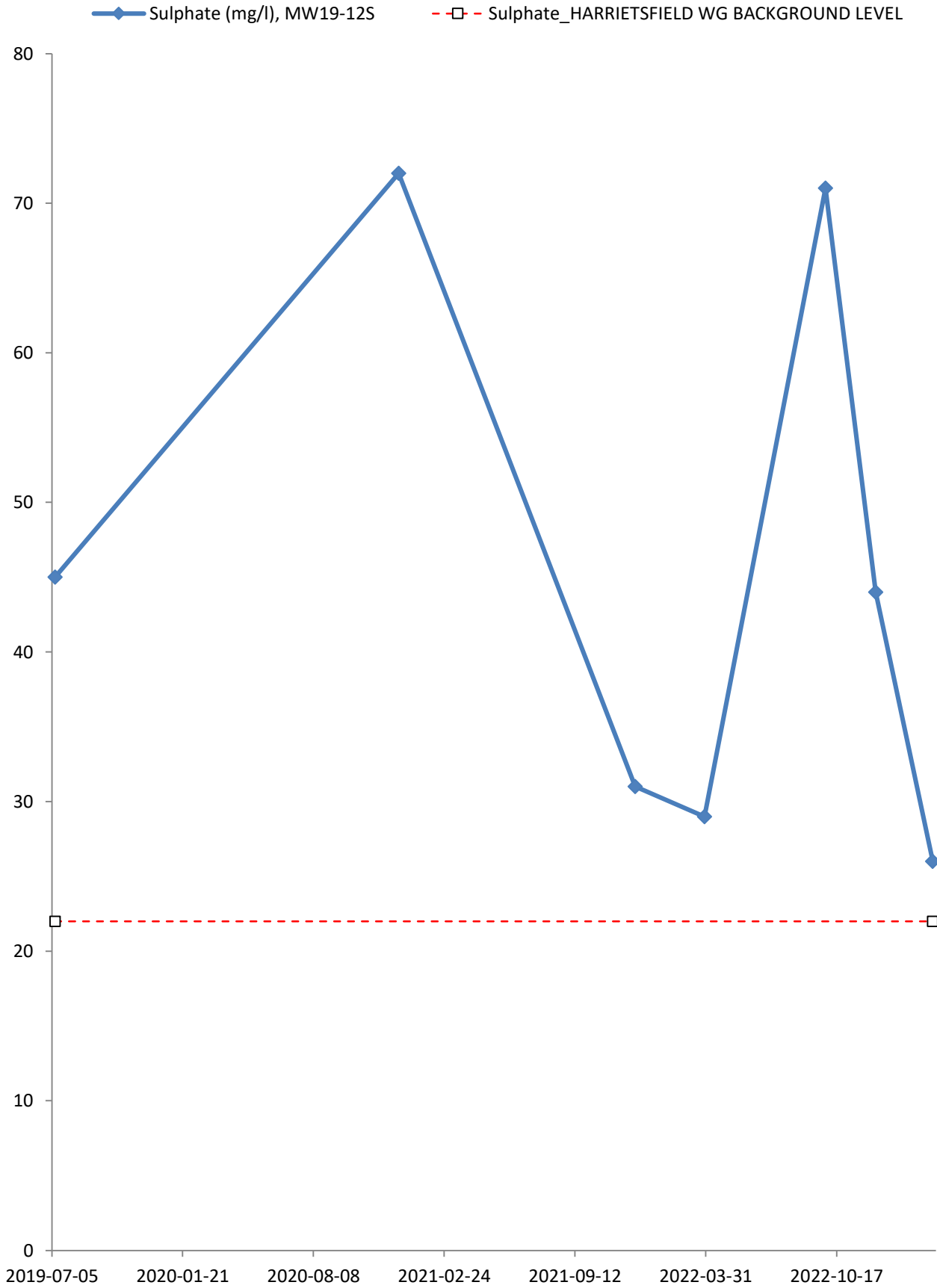


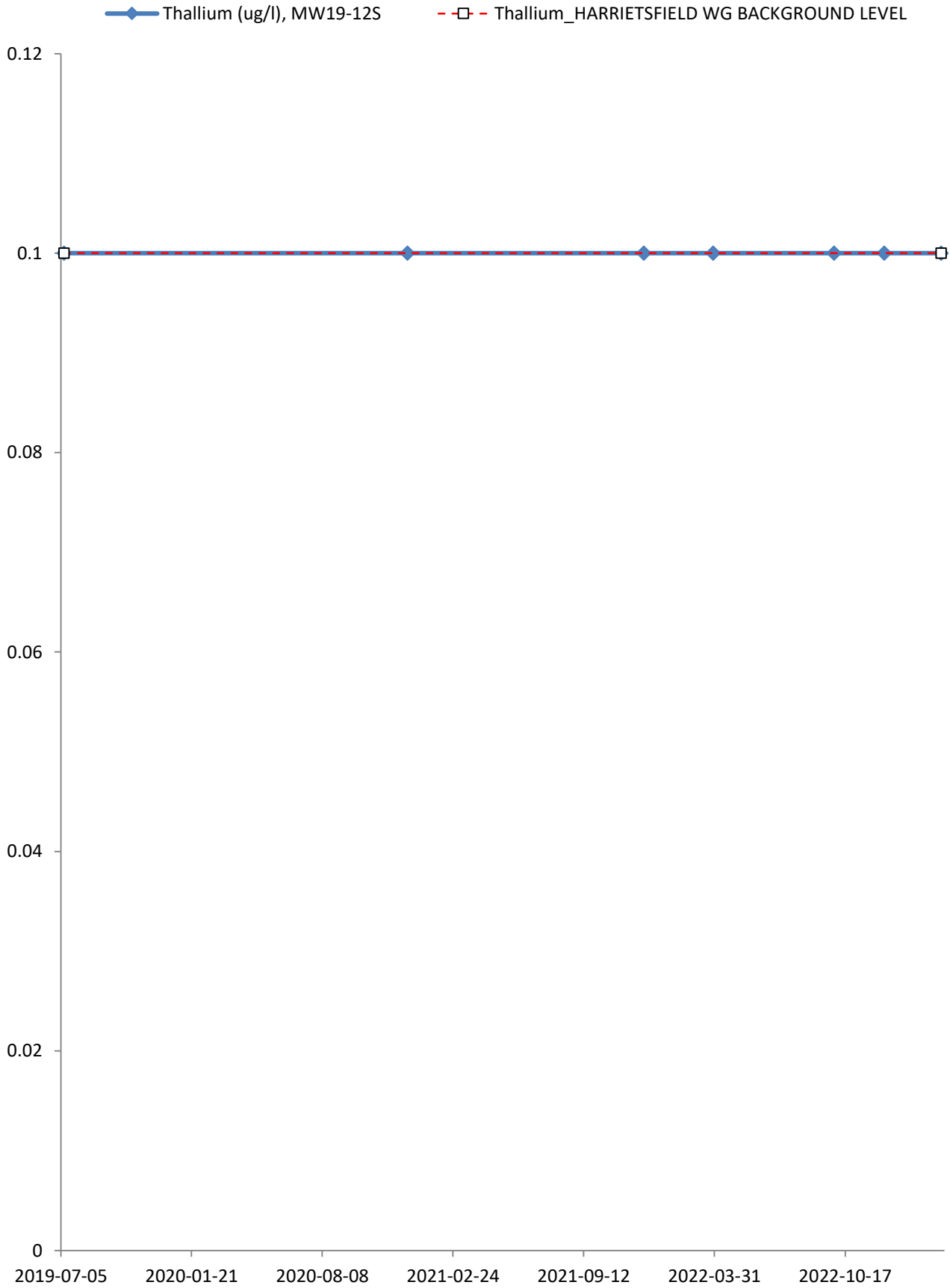


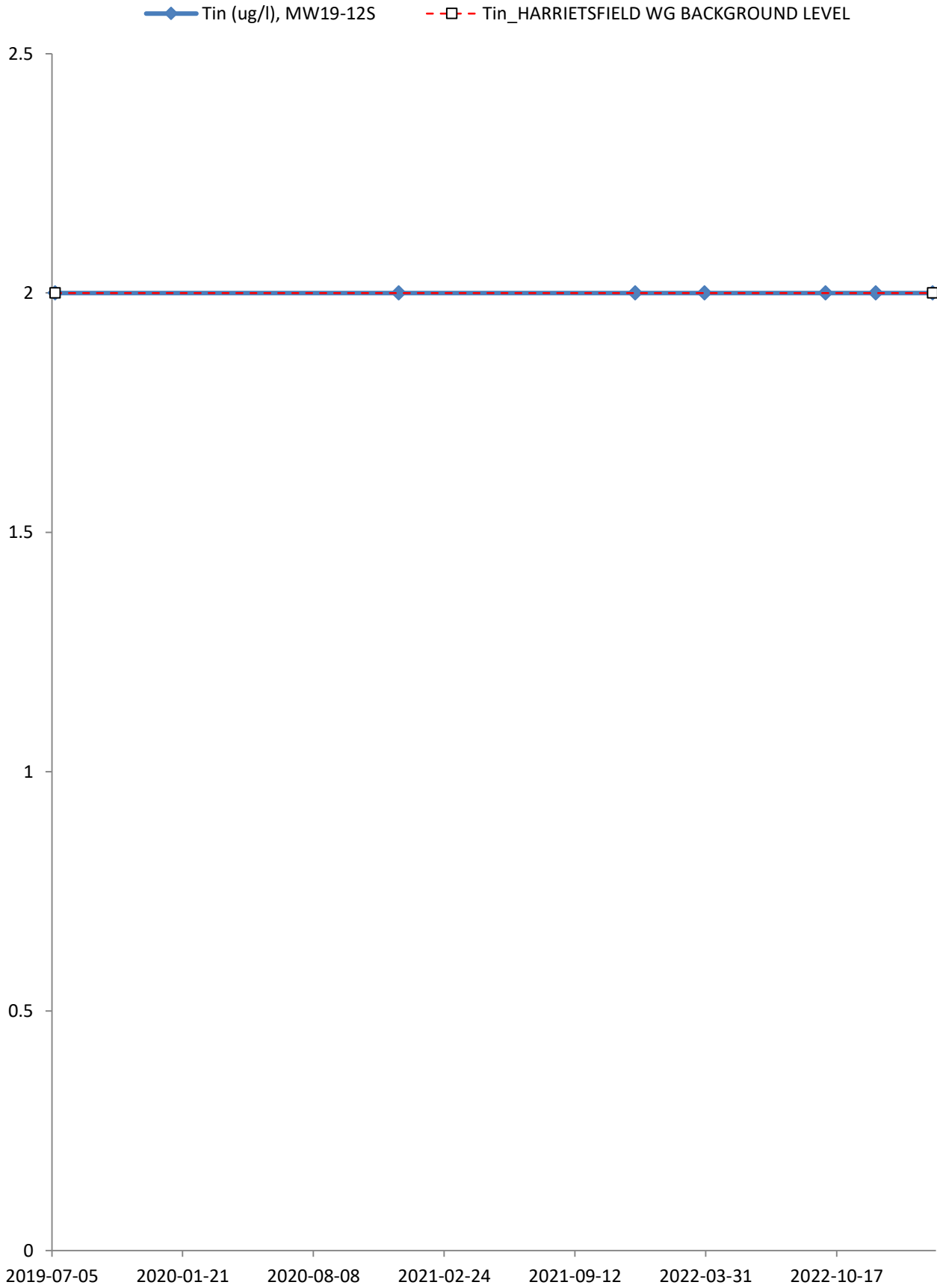


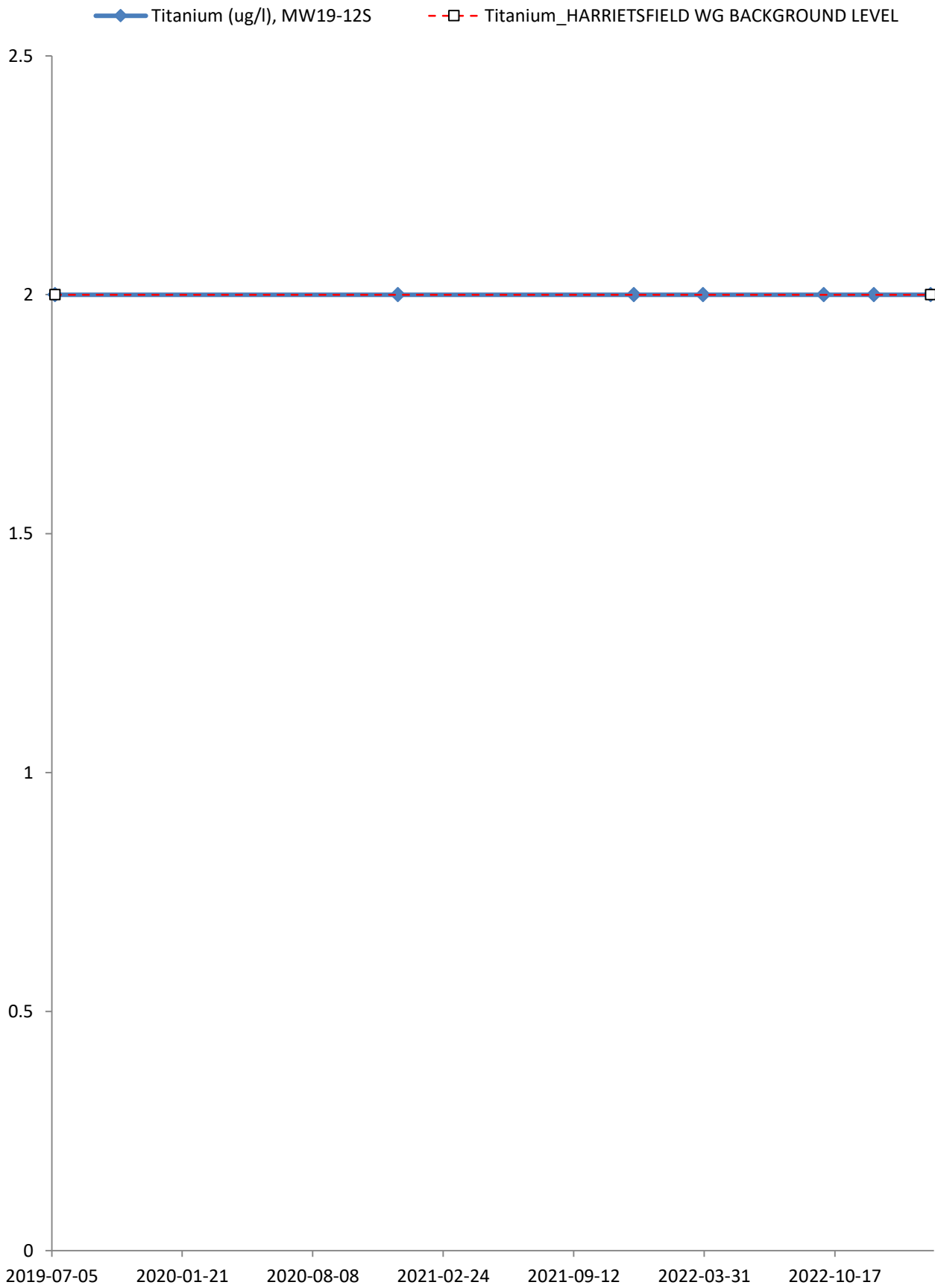


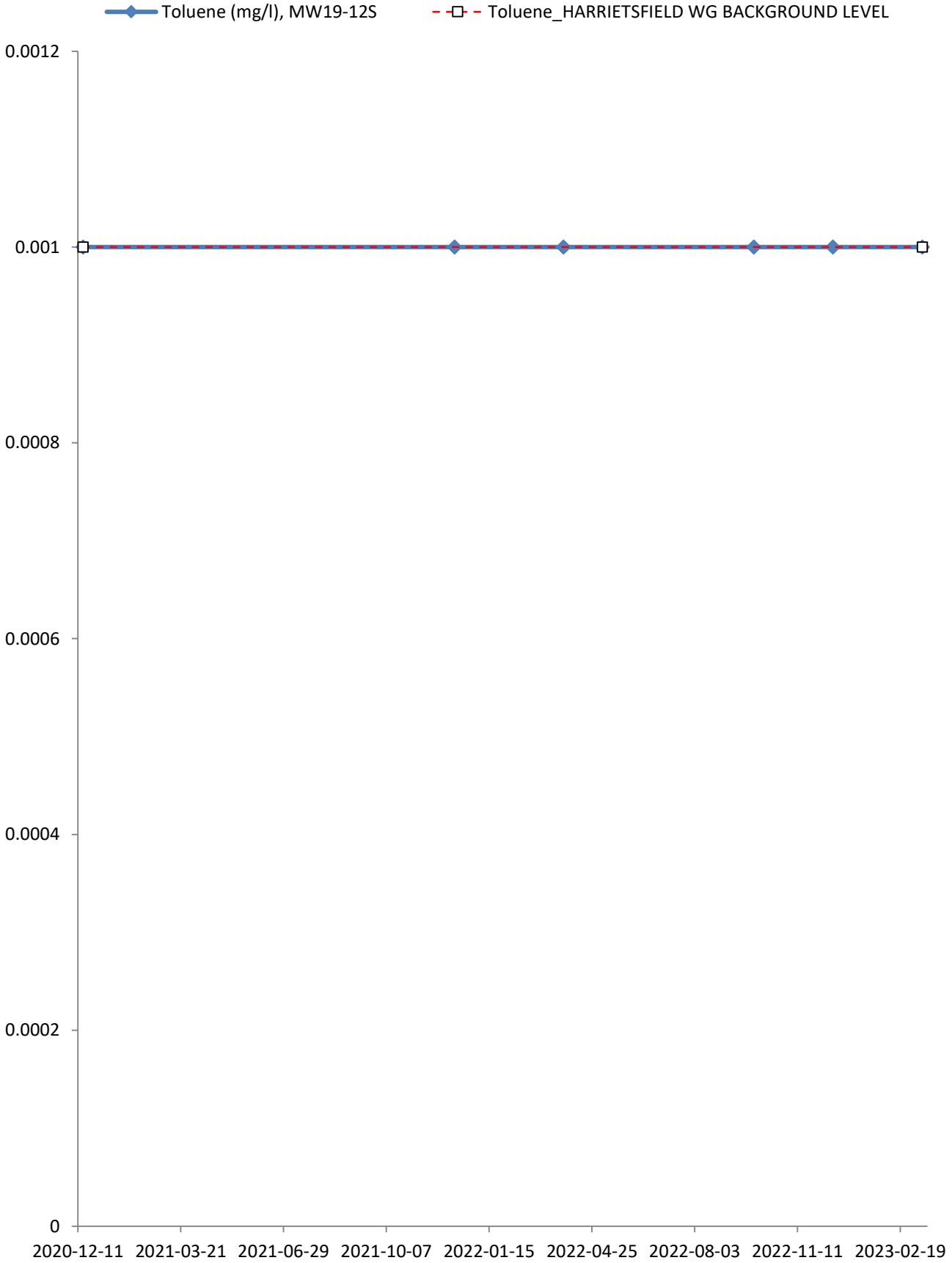




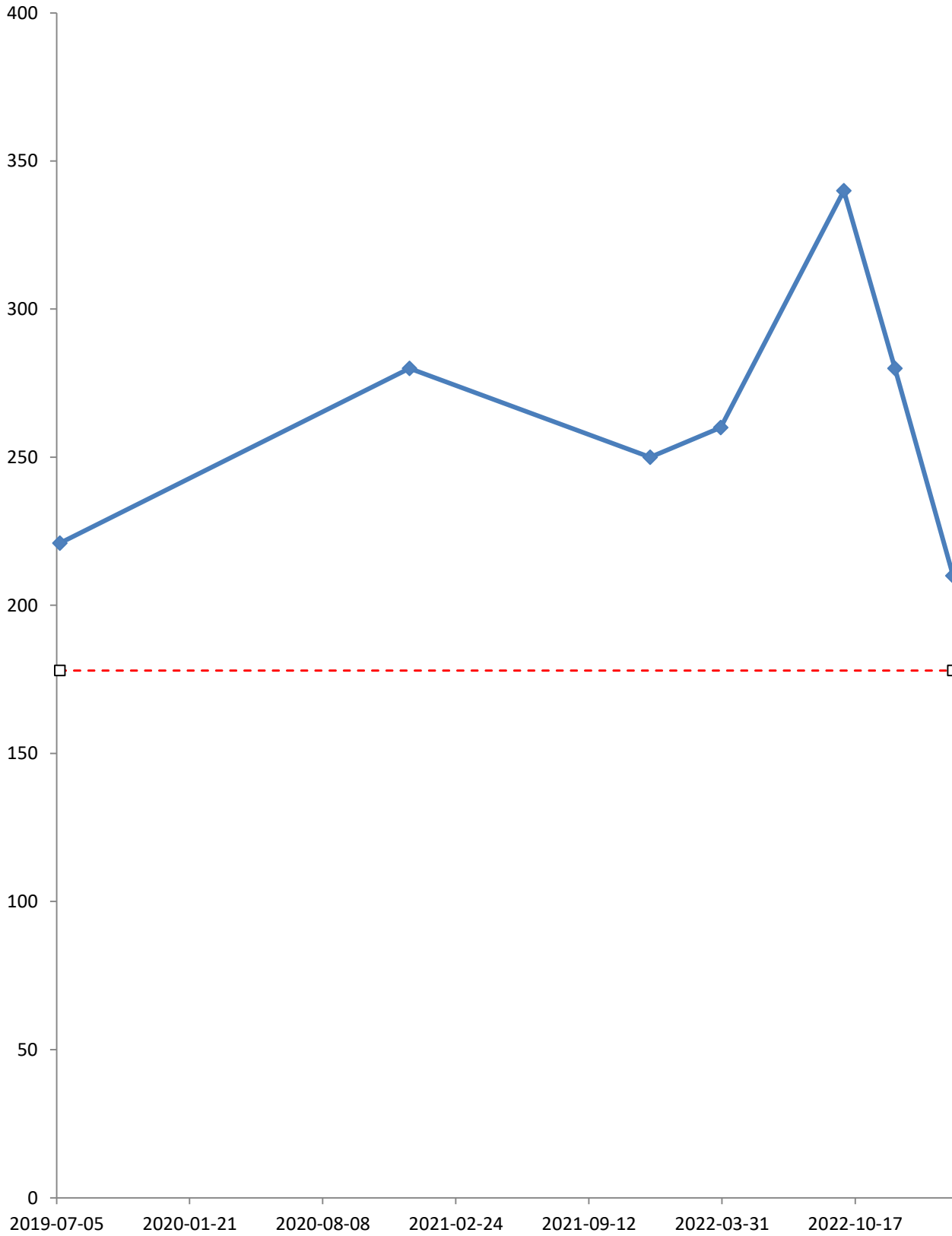




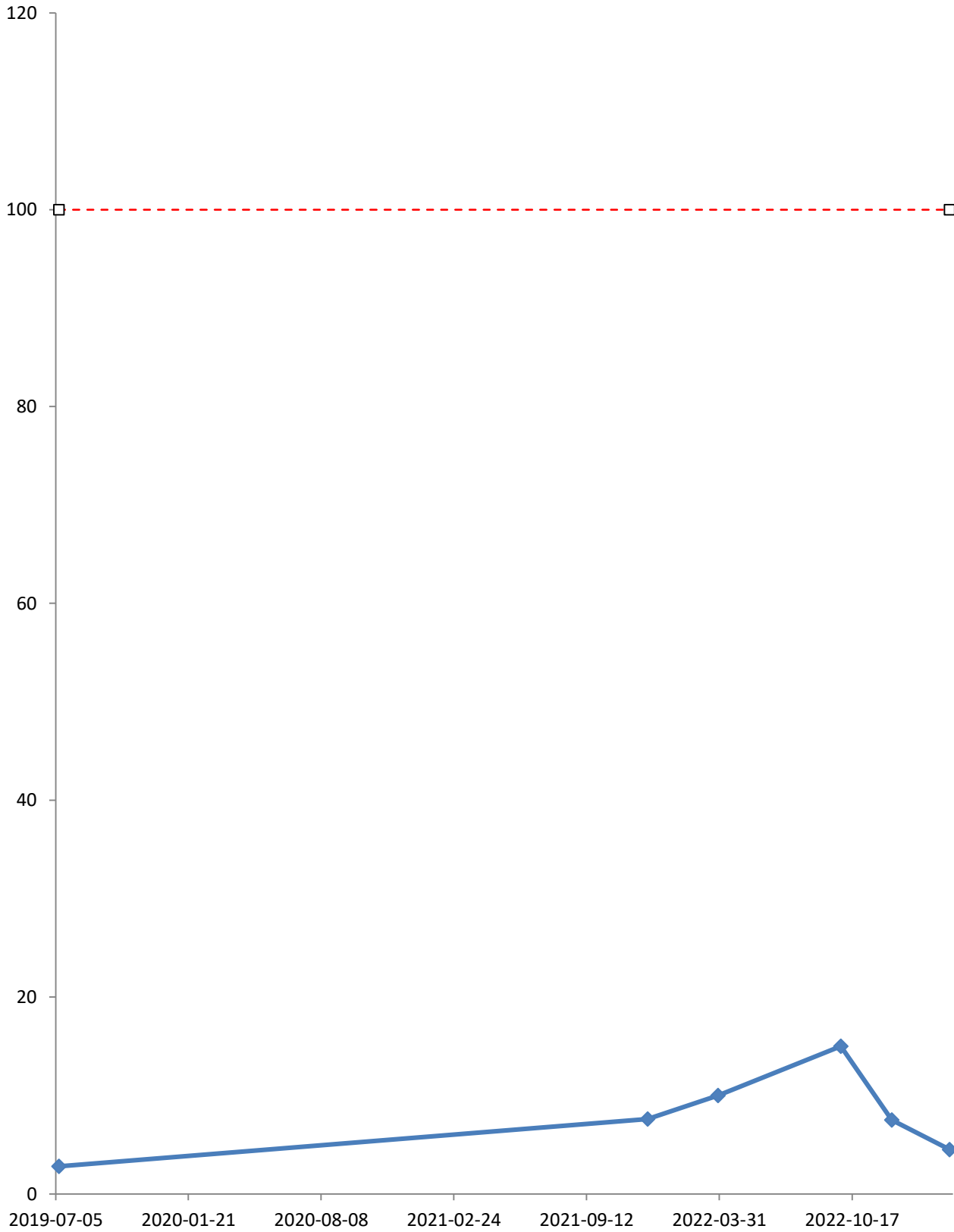


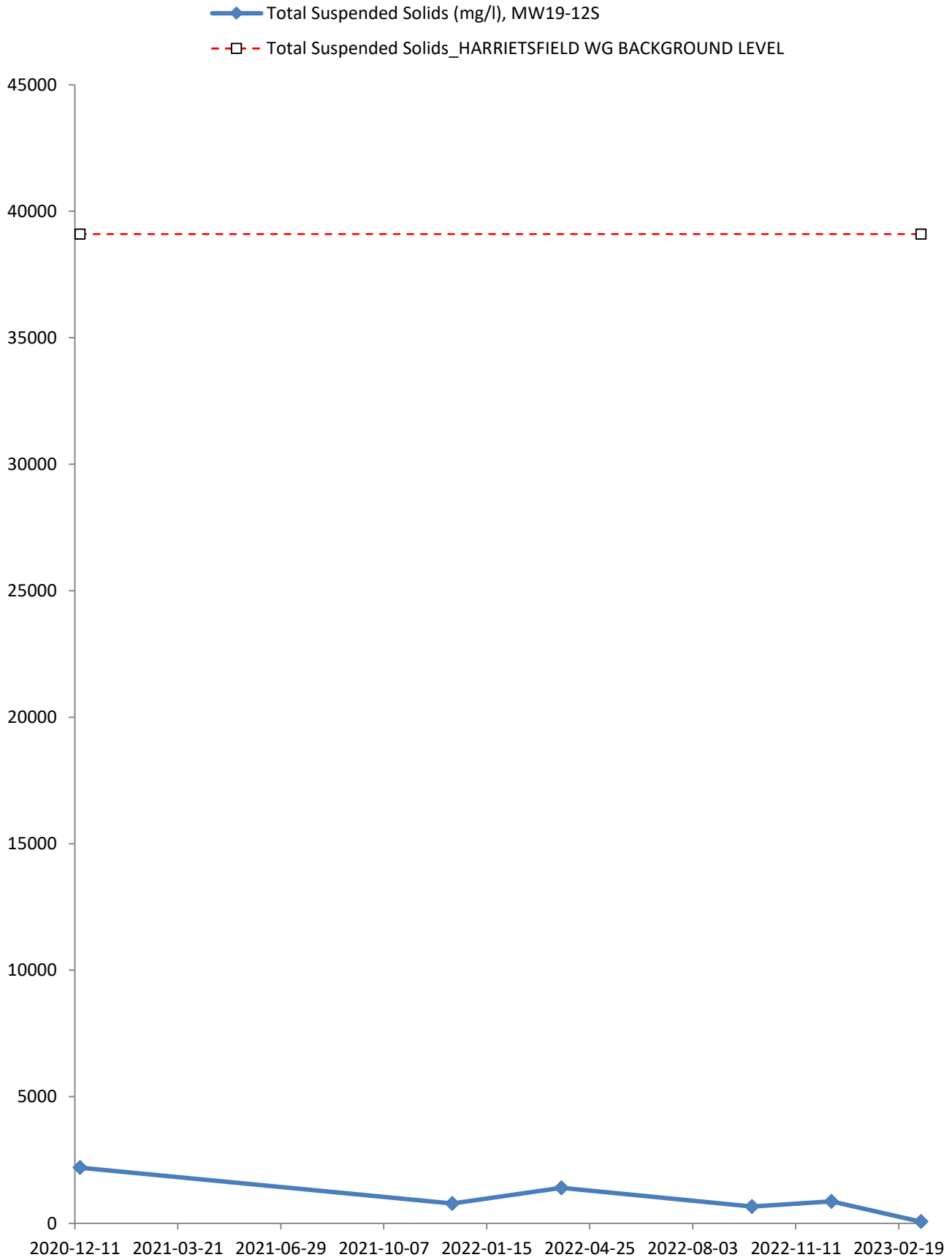


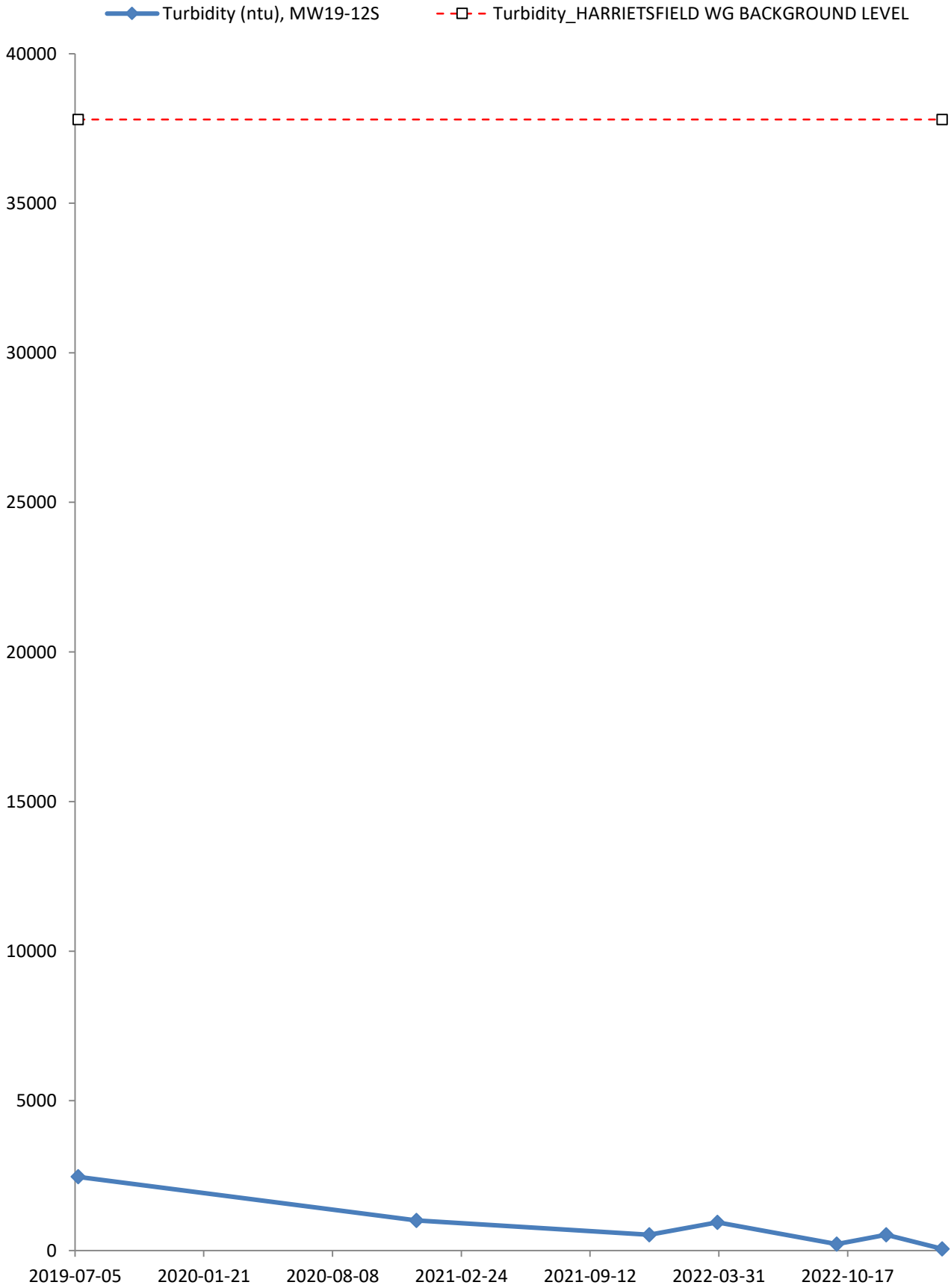
—◆— Total Diss Solids (Lab) (mg/l), MW19-12S
- -□- - Total Diss Solids (Lab)_HARRIETSFIELD WG BACKGROUND LEVEL

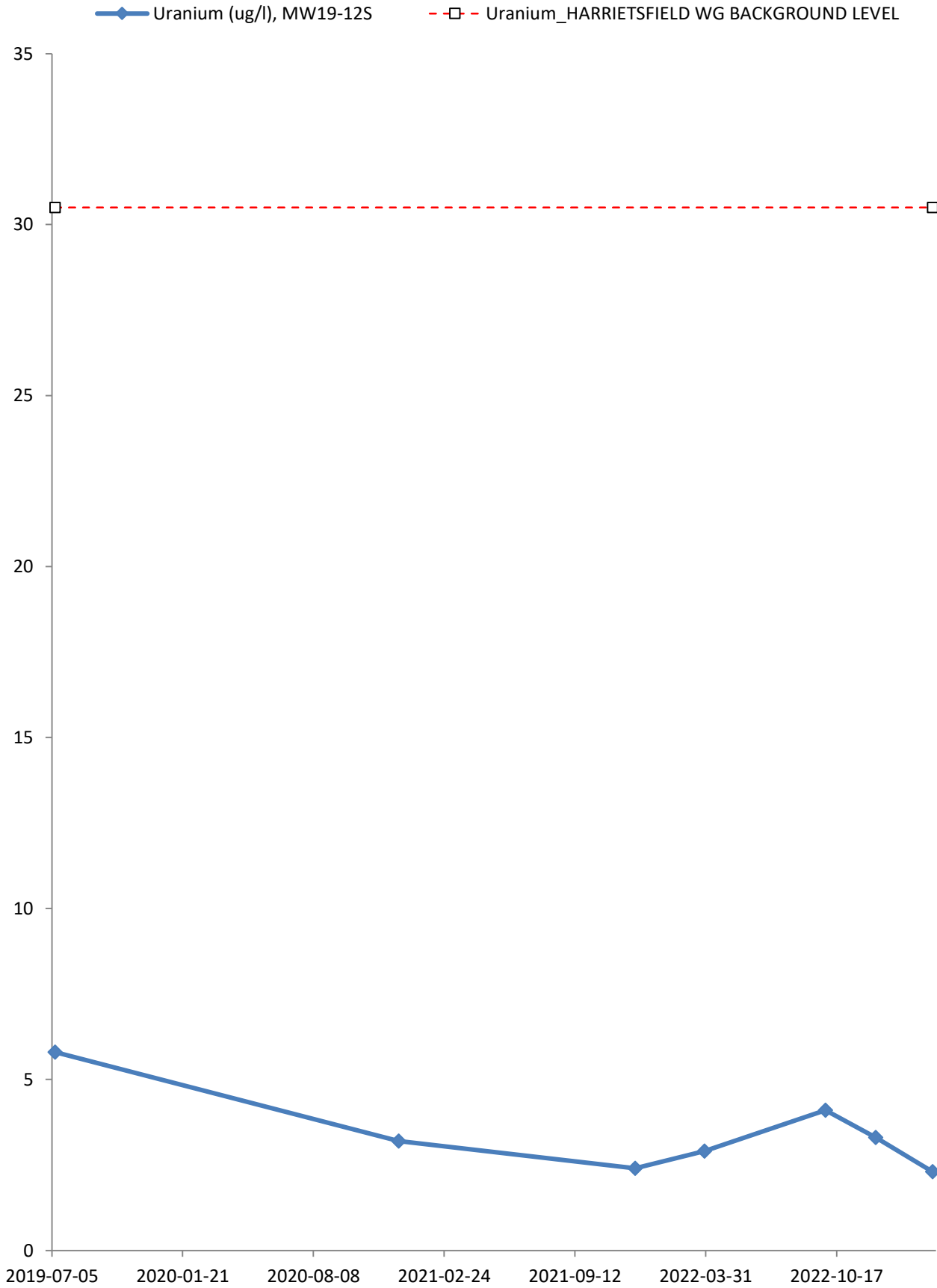


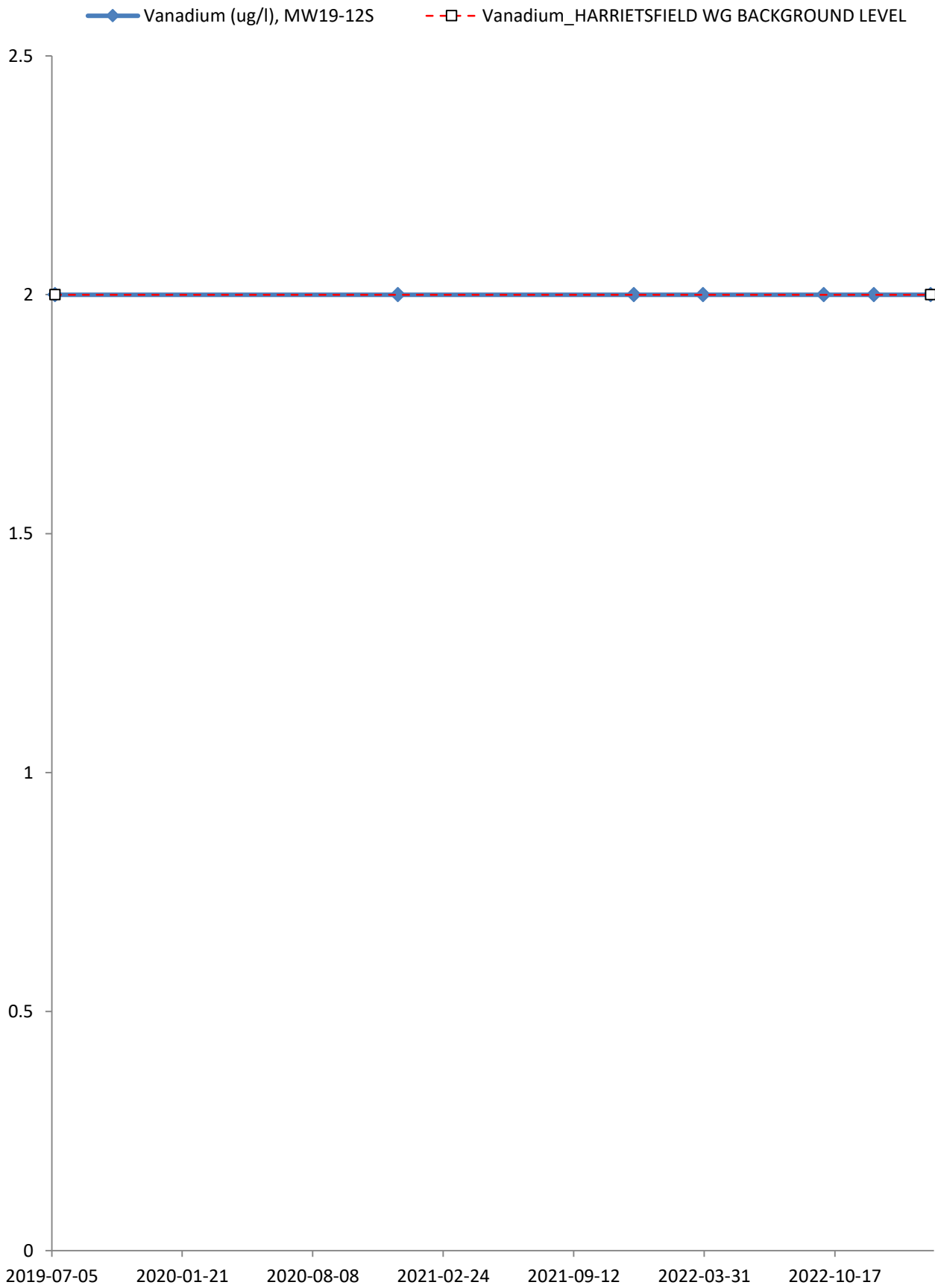
—◆— Total Organic Carbon (mg/l), MW19-12S
- -□- - Total Organic Carbon_HARRIETSFIELD WG BACKGROUND LEVEL

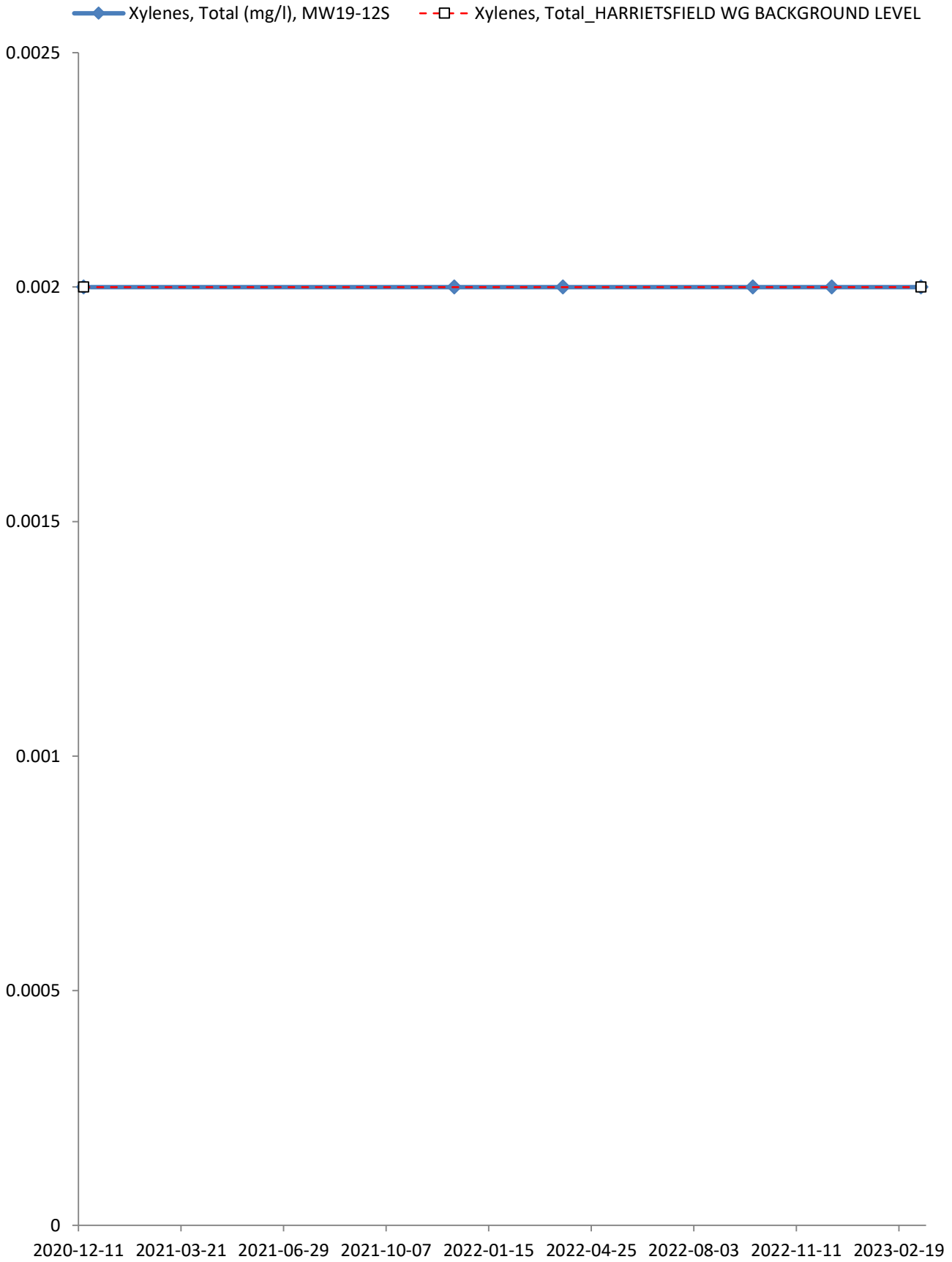


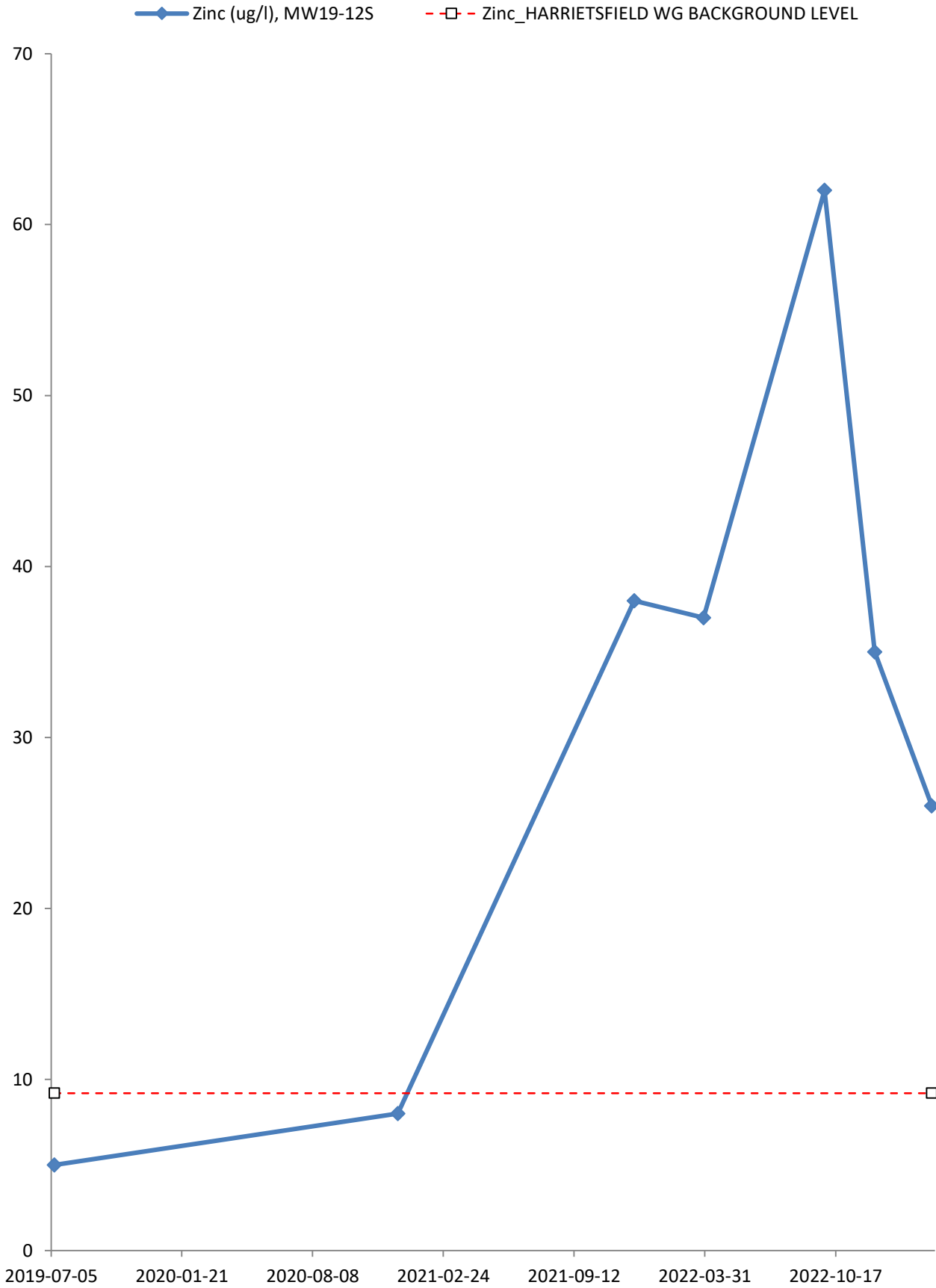




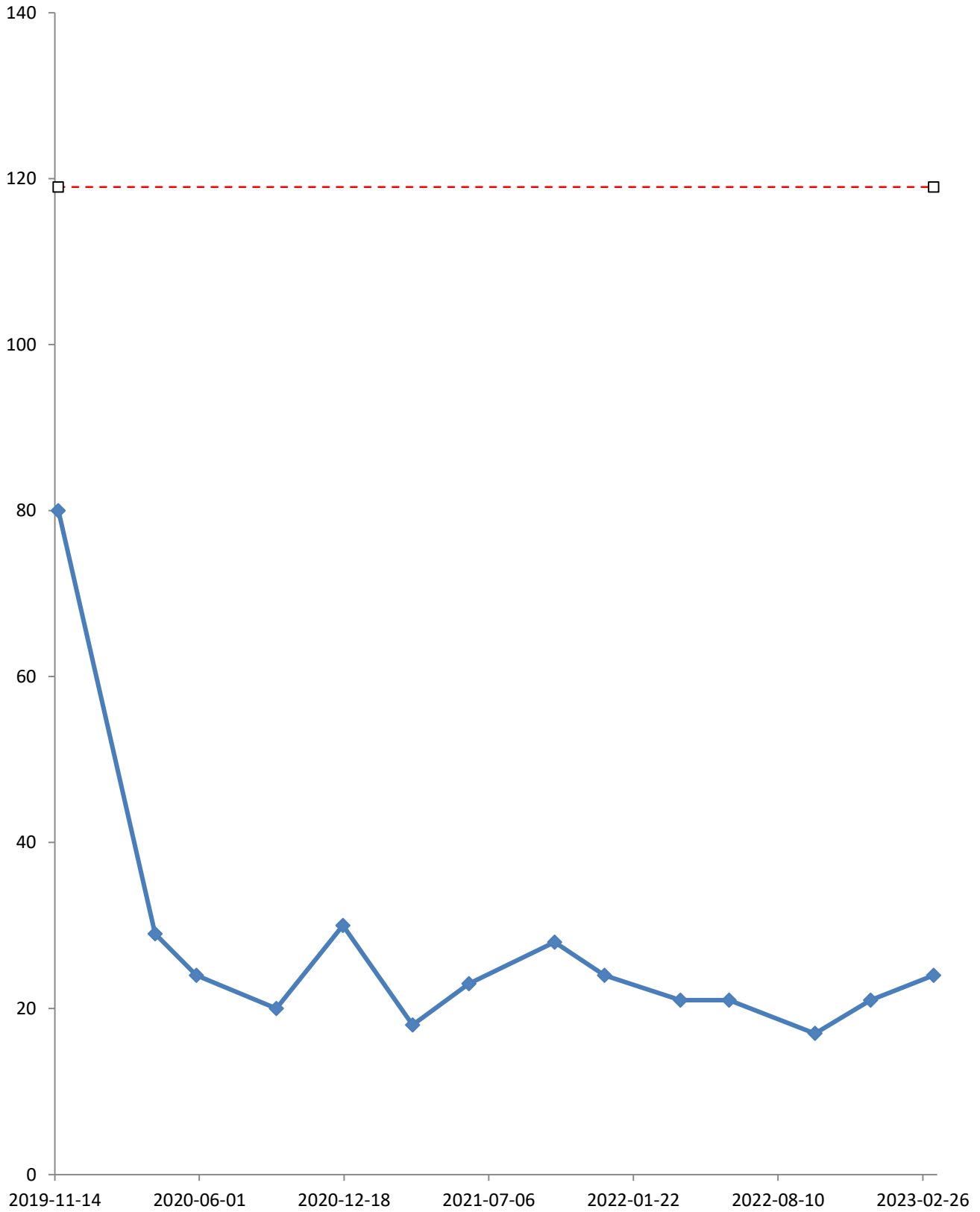




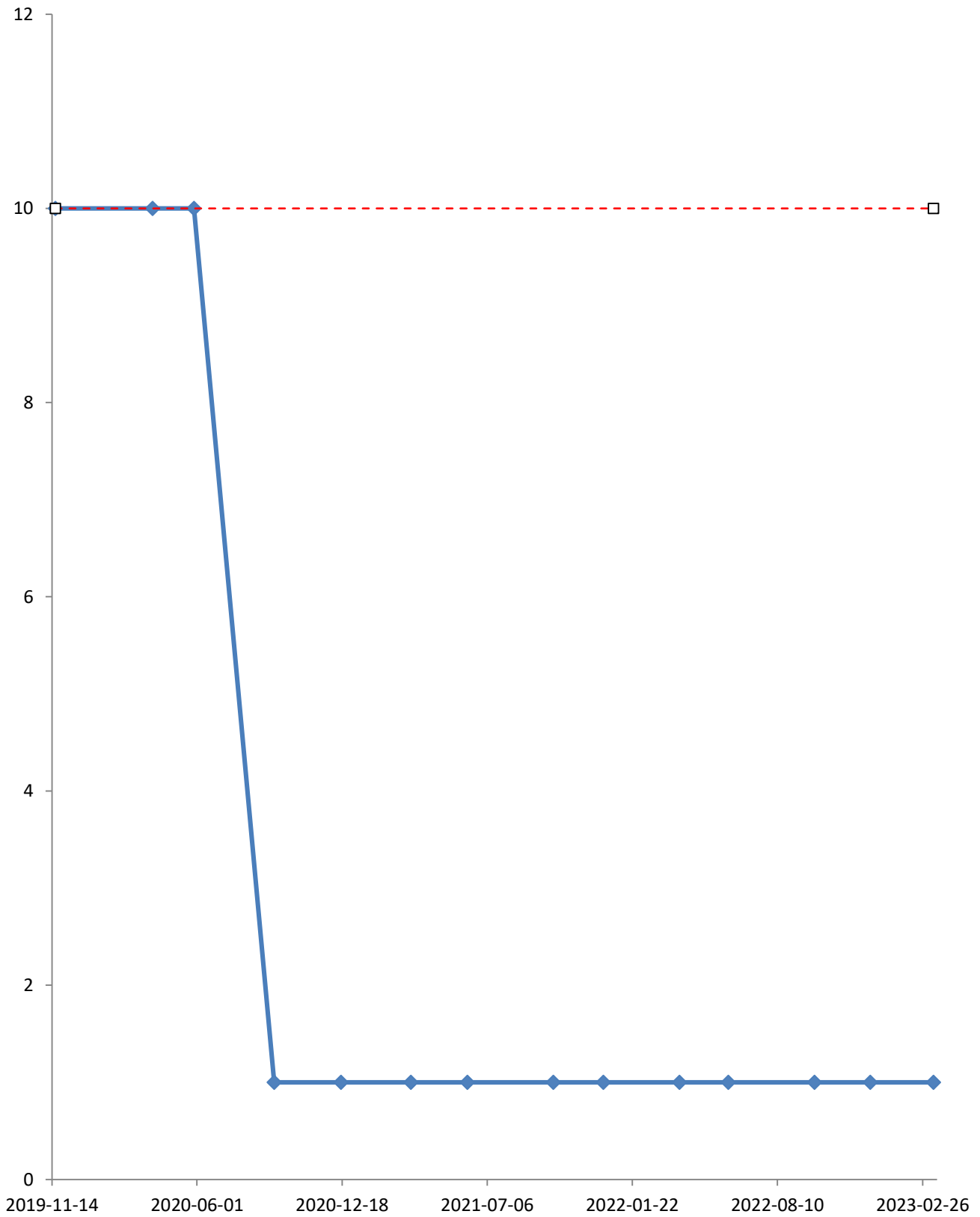


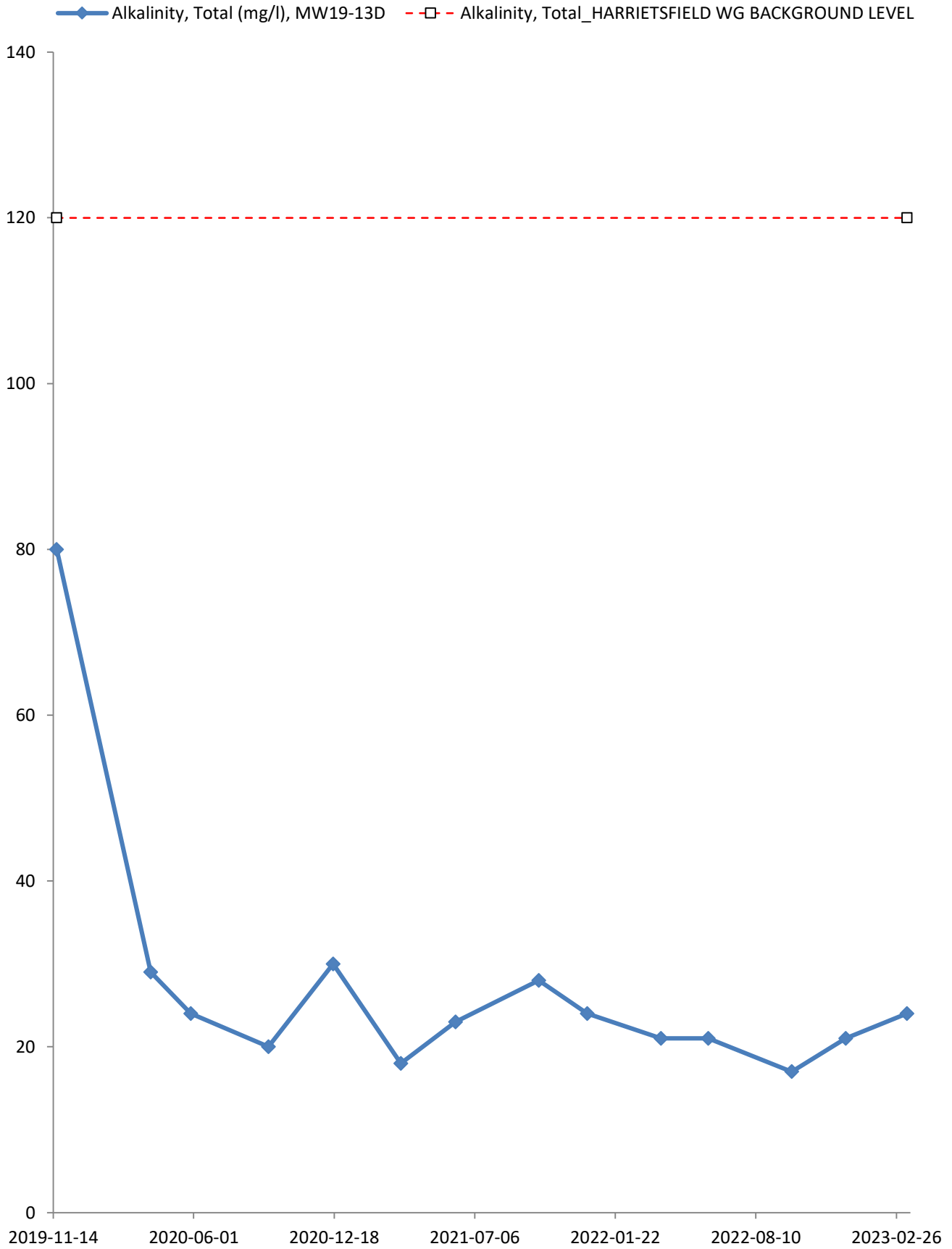


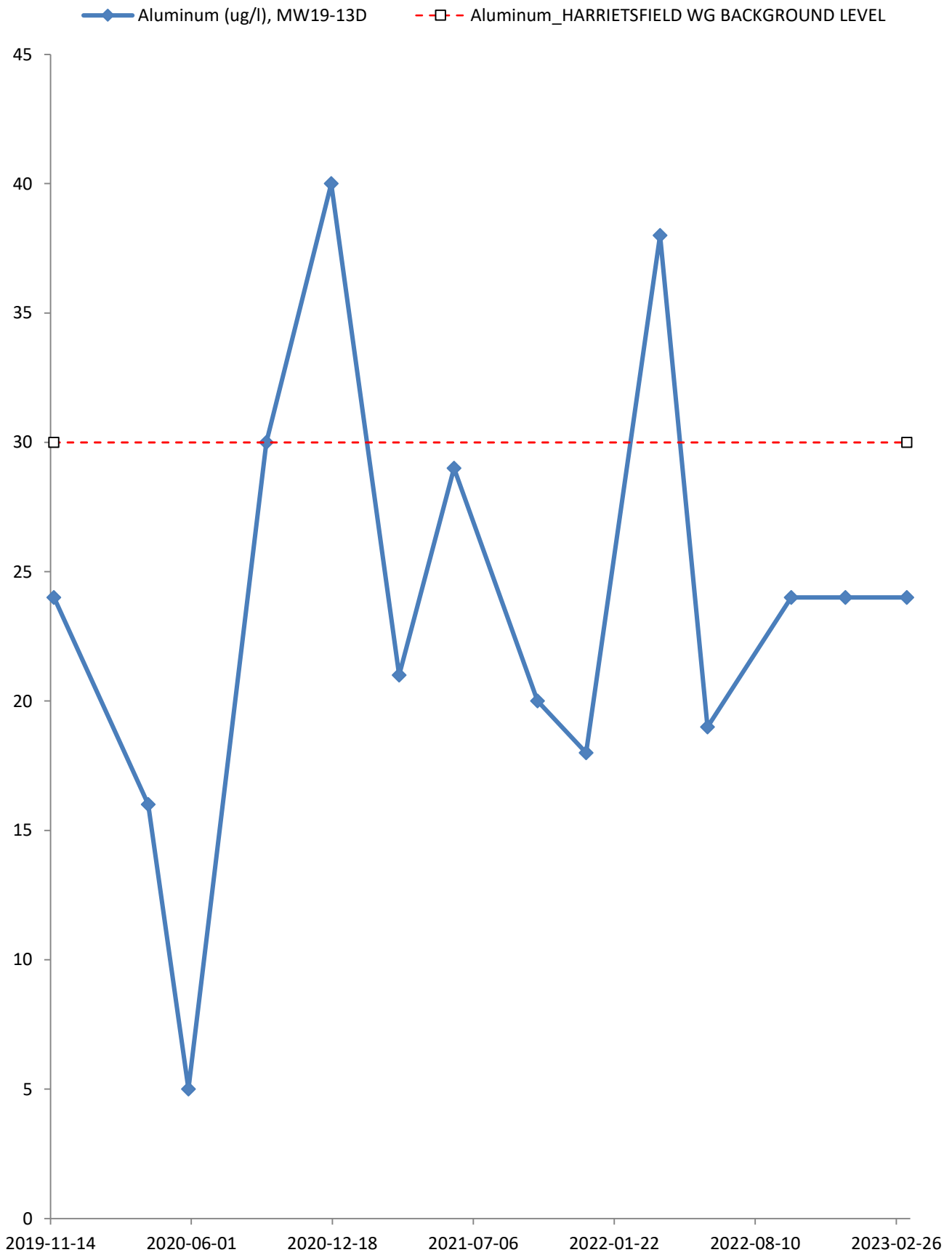
—◆— Alkalinity, Bicarbonate (mg/l), MW19-13D
- -□- - Alkalinity, Bicarbonate_HARRIETSFIELD WG BACKGROUND LEVEL

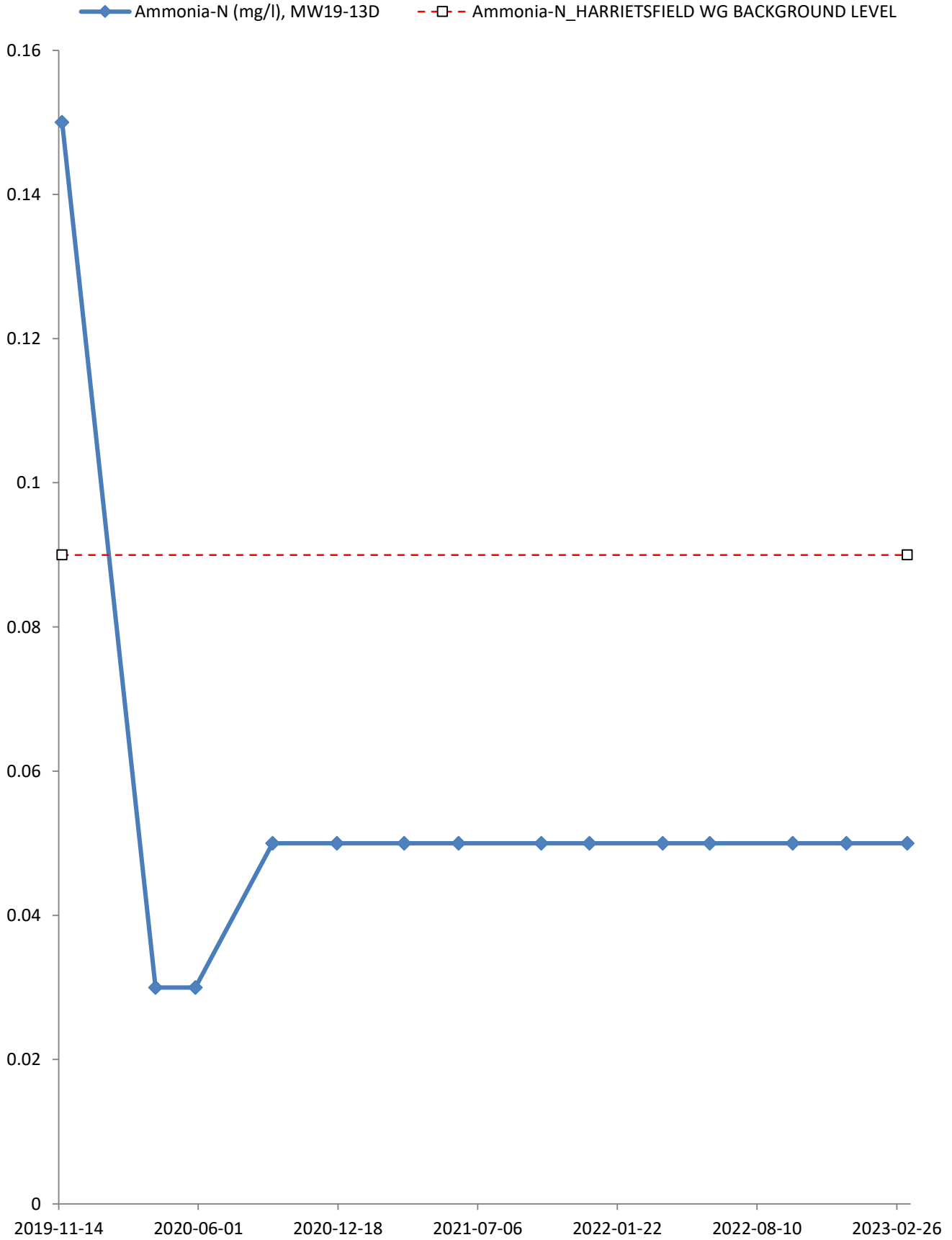


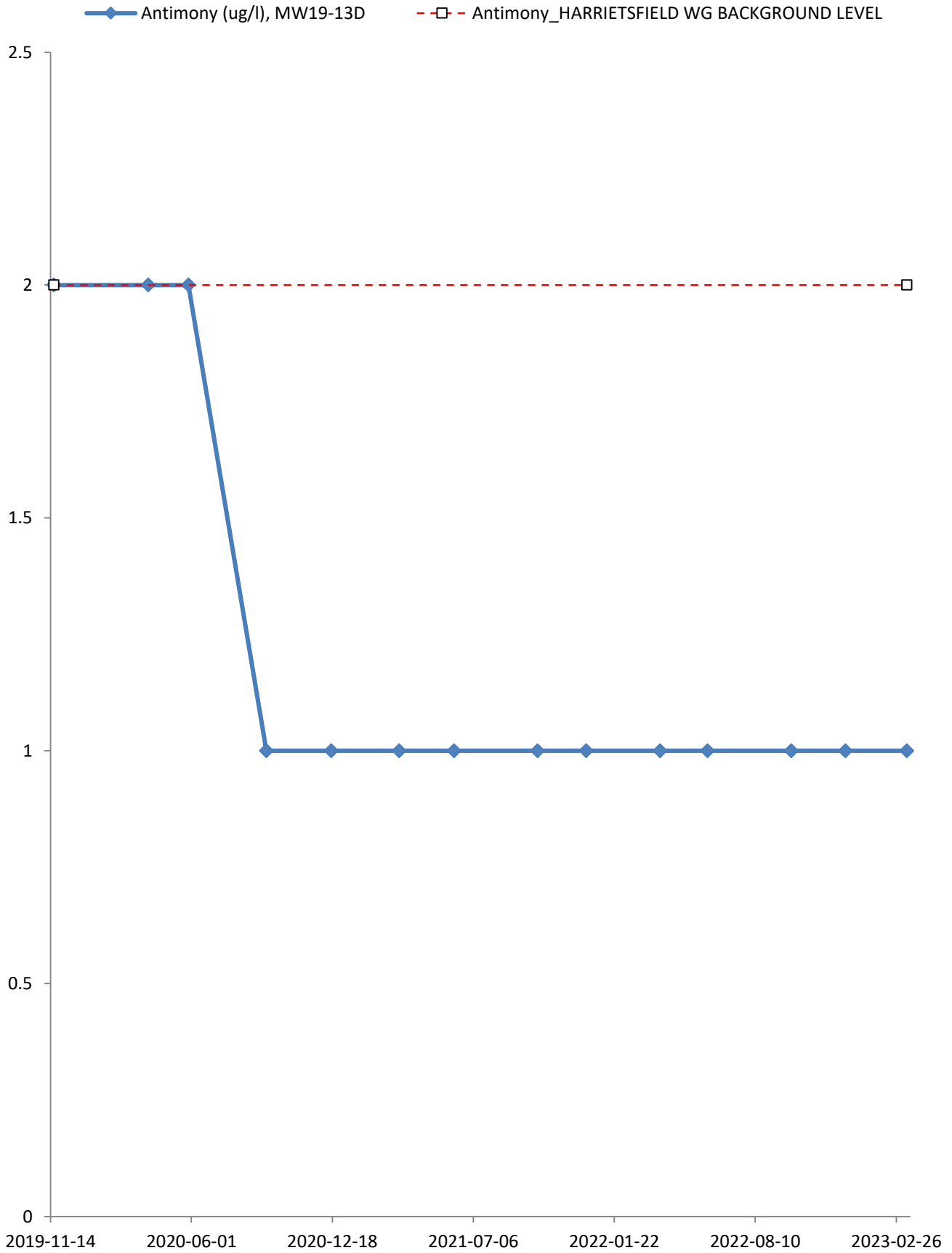
—◆— Alkalinity, Carbonate (mg/l), MW19-13D
- -□- Alkalinity, Carbonate_HARRIETSFIELD WG BACKGROUND LEVEL

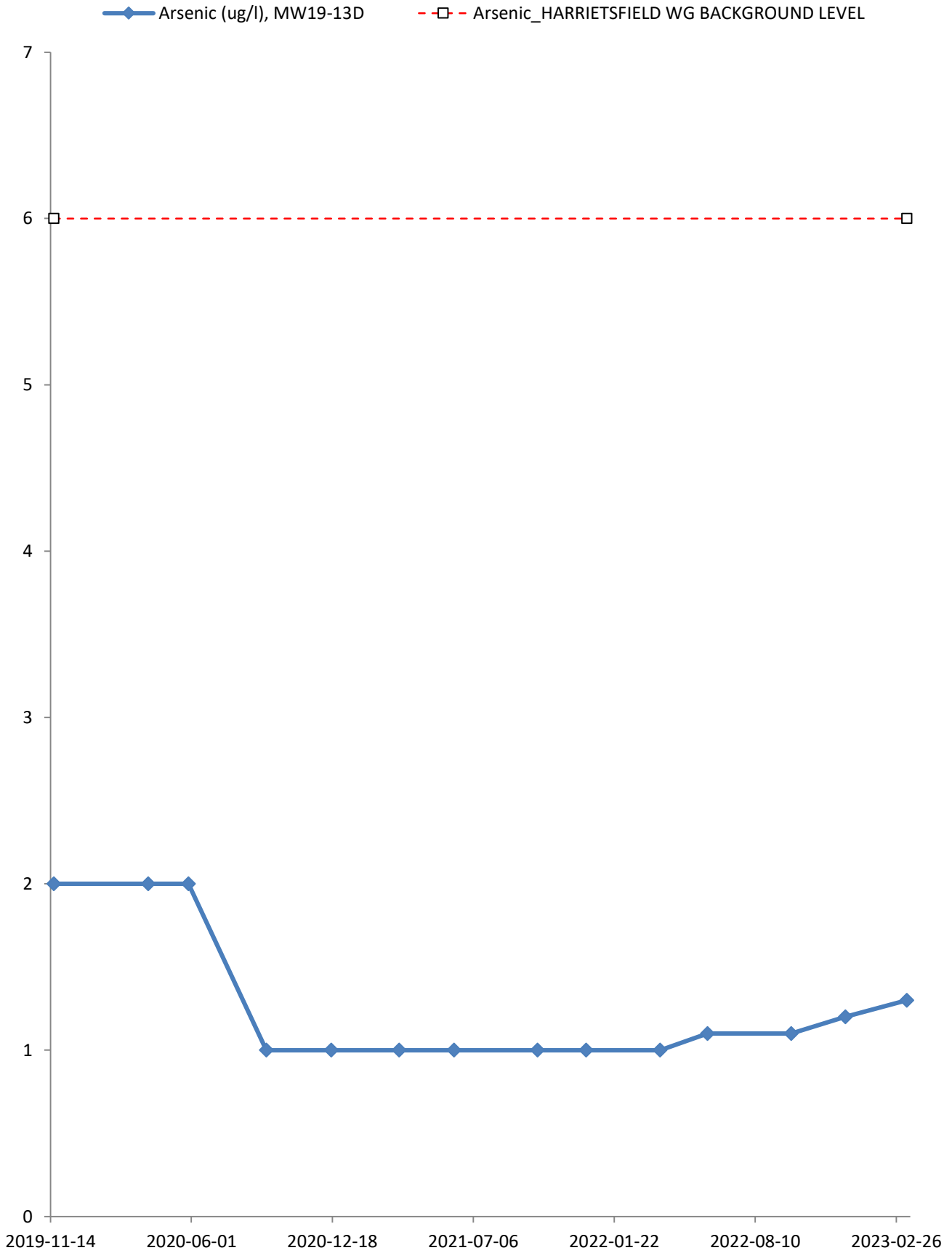


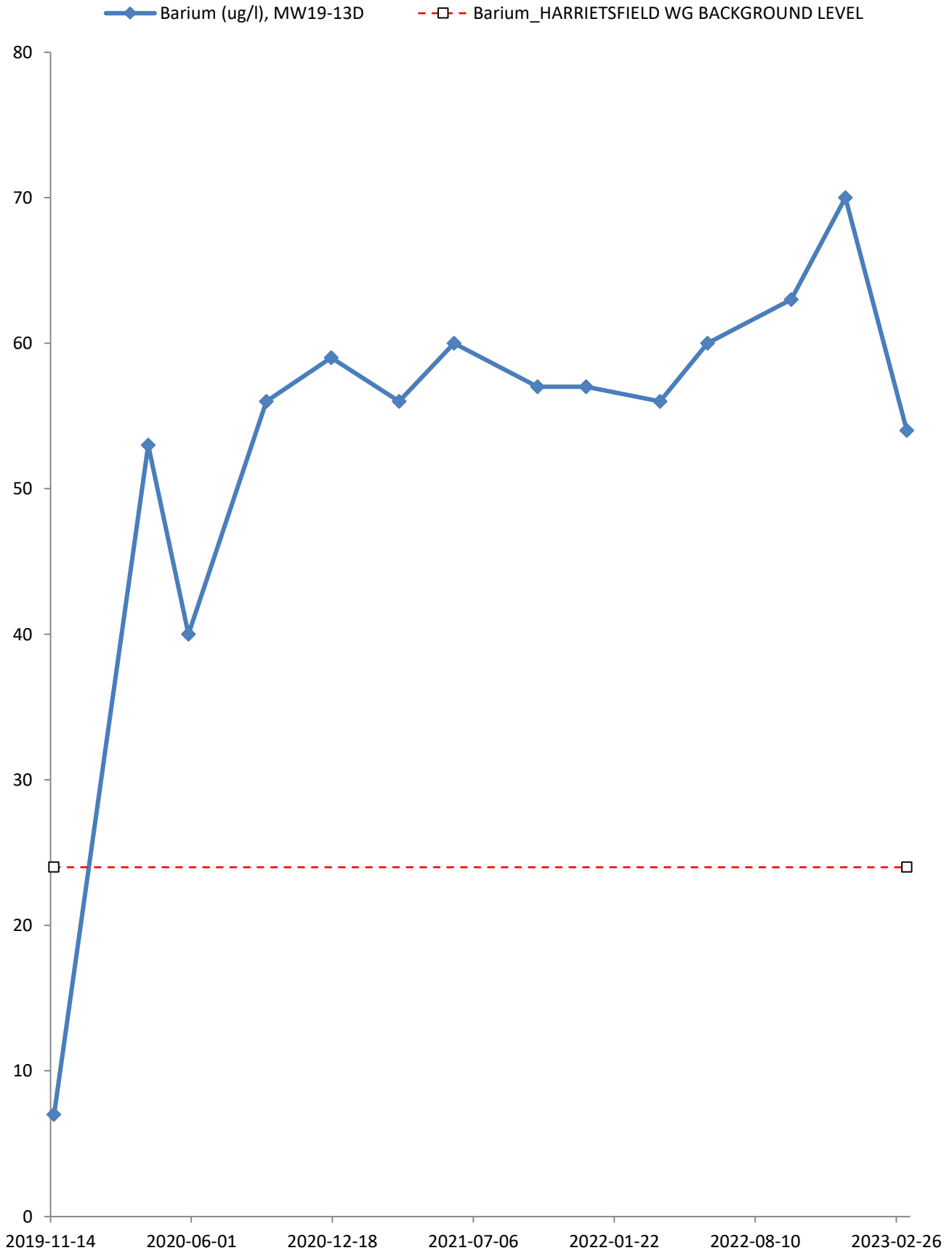


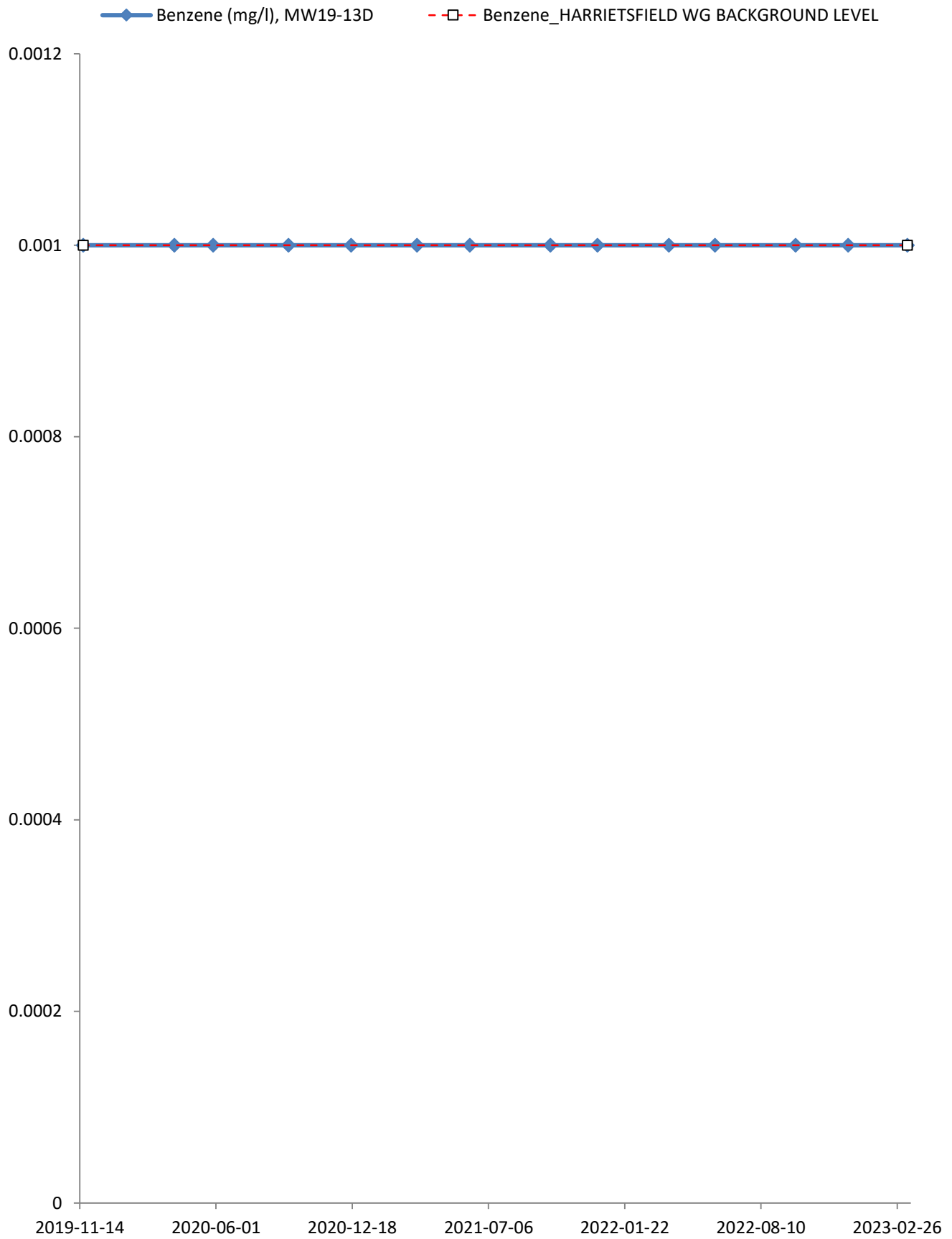


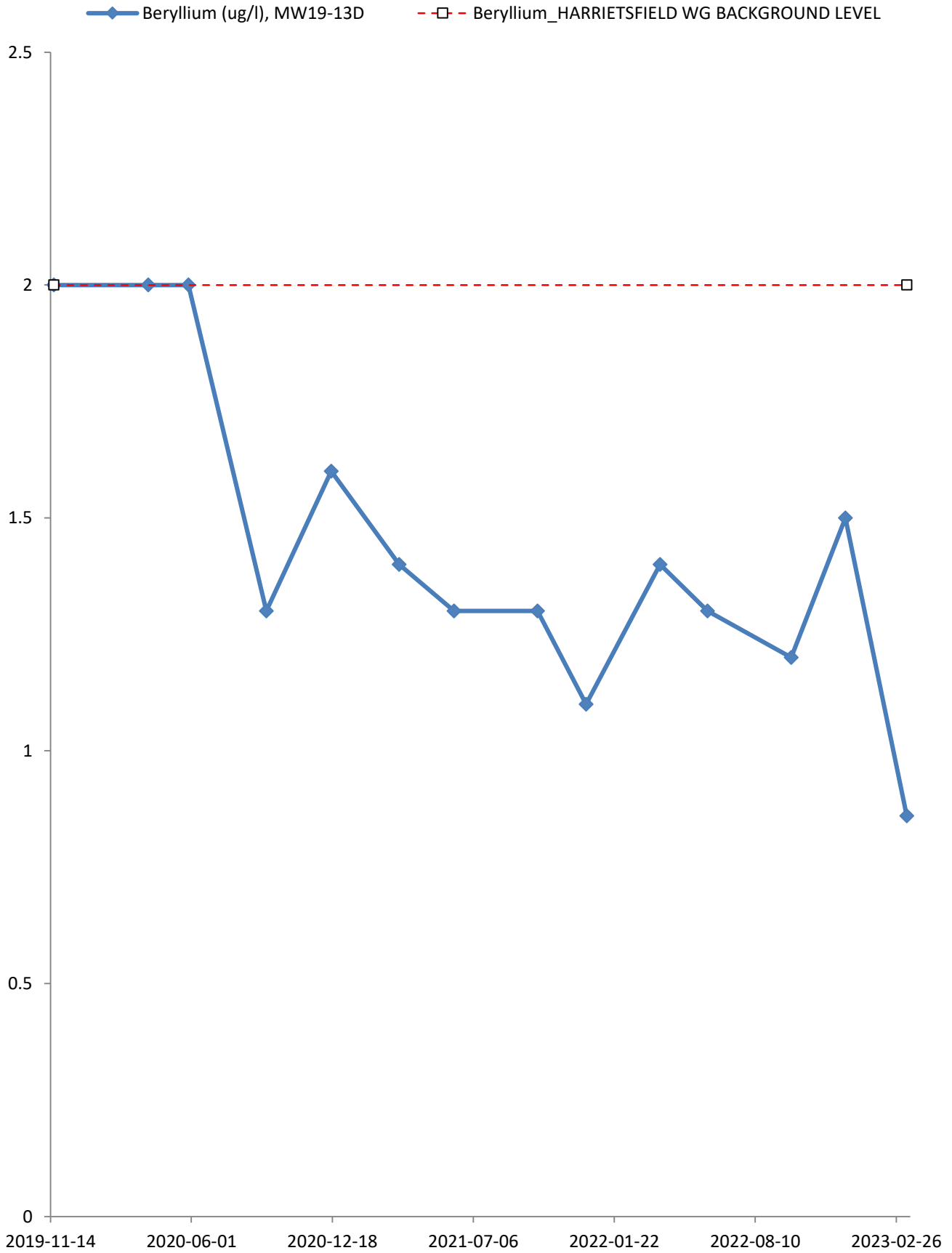


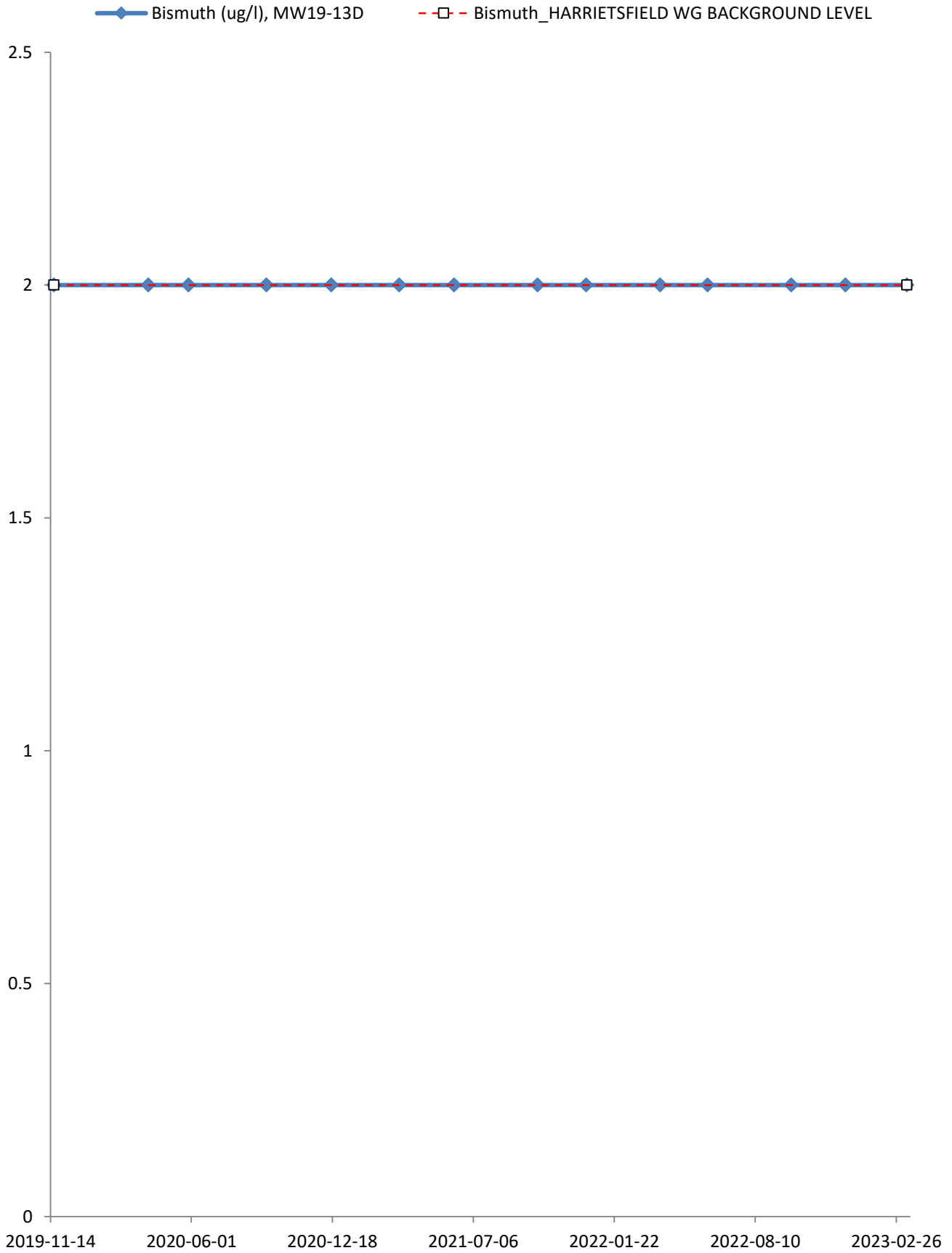


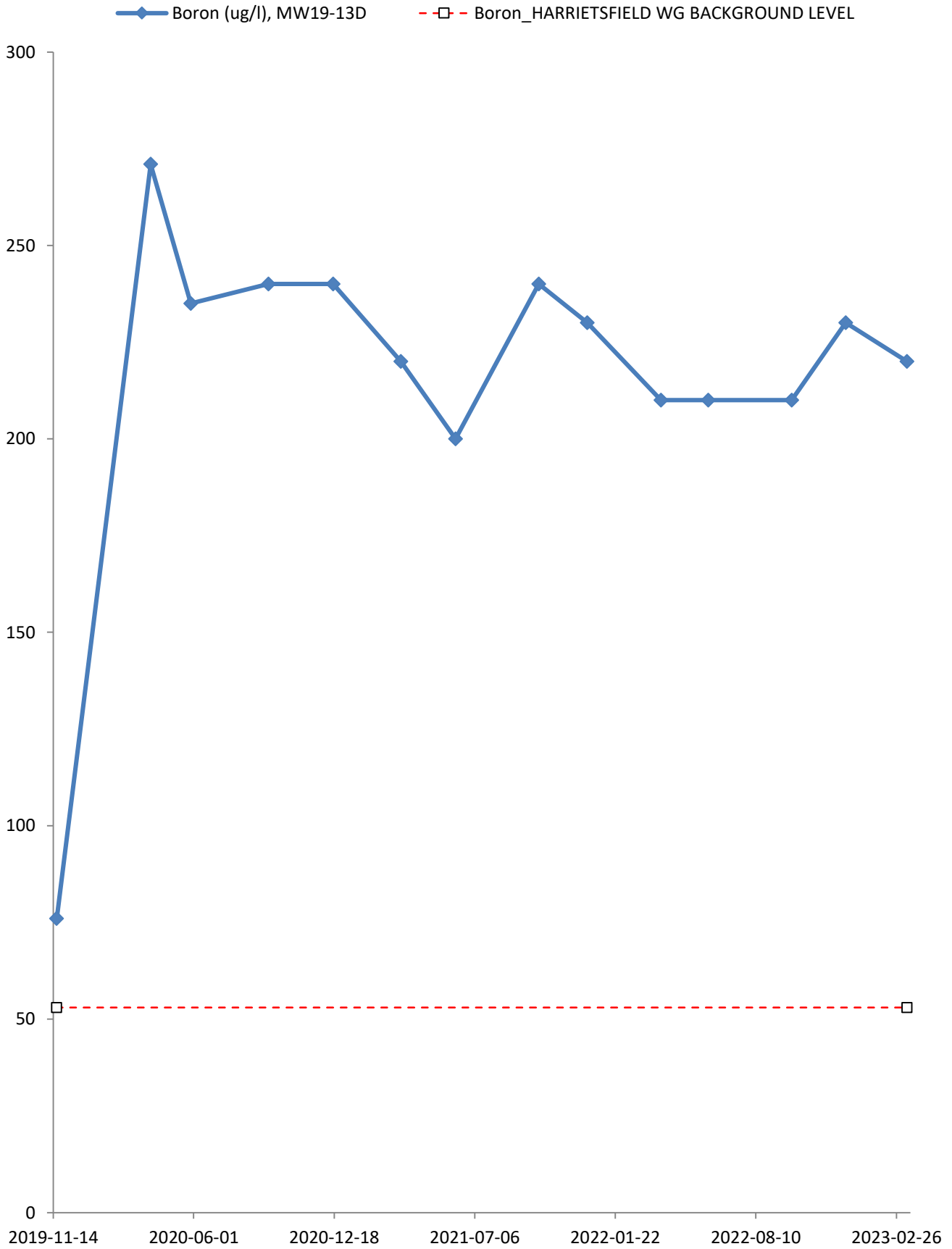


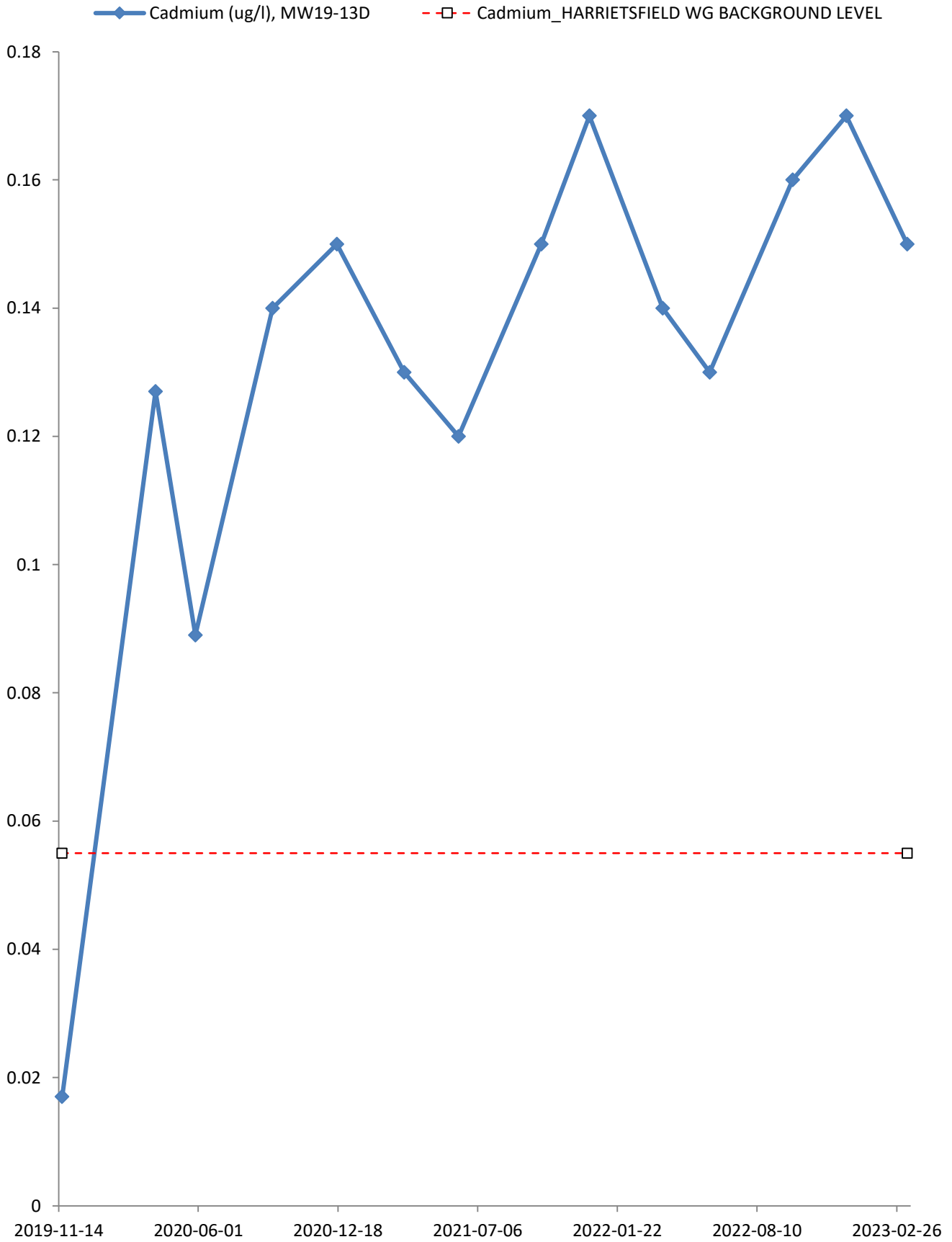


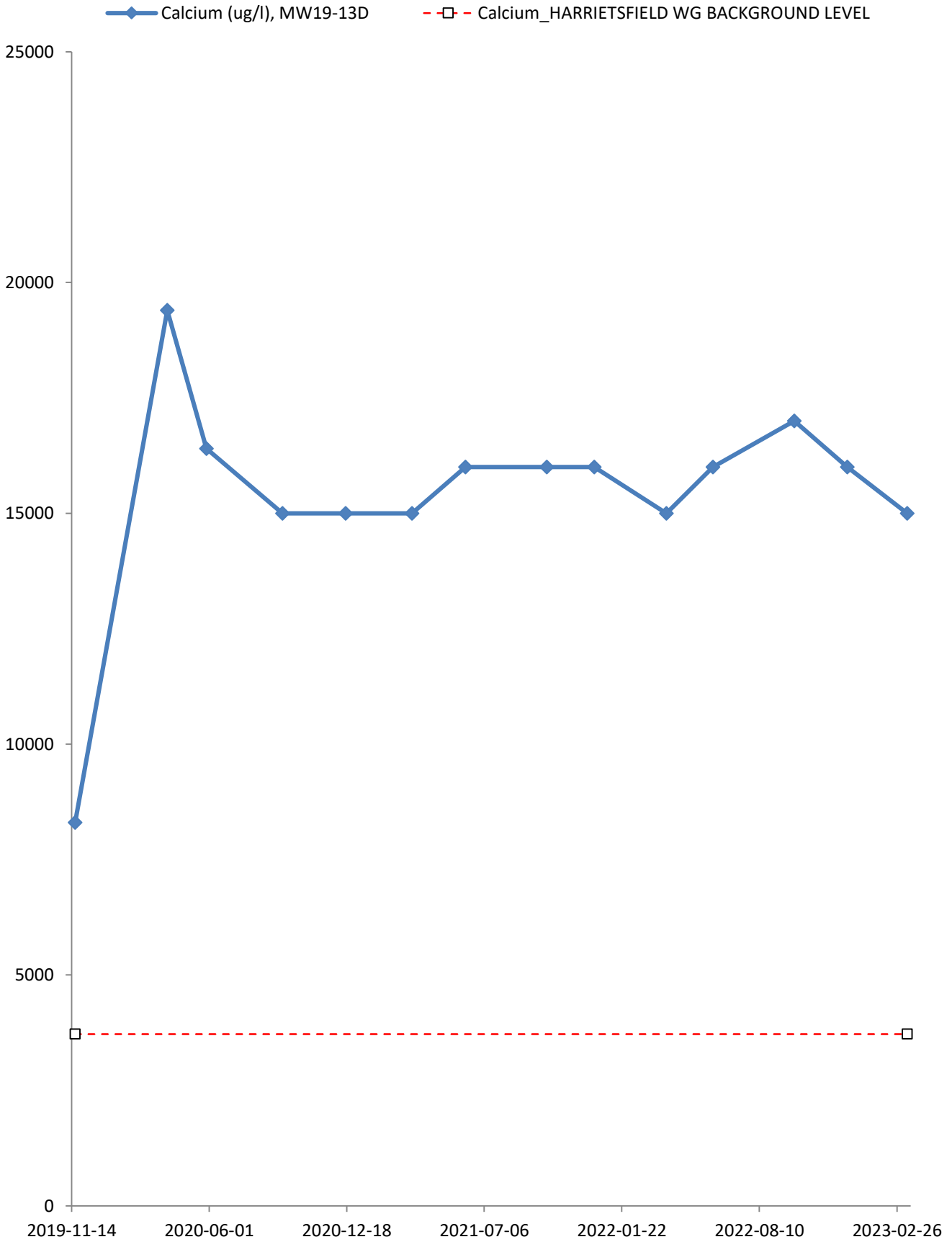




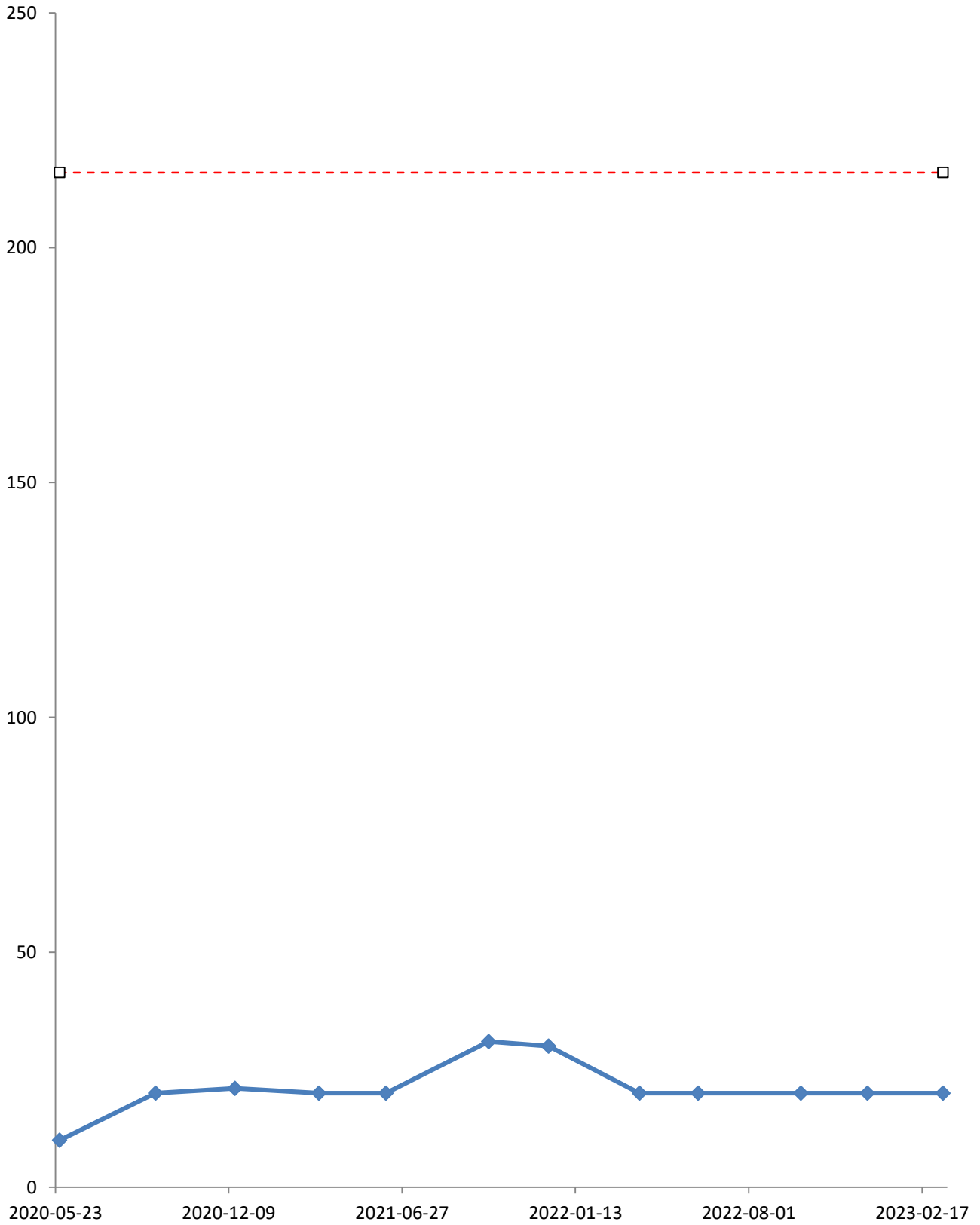


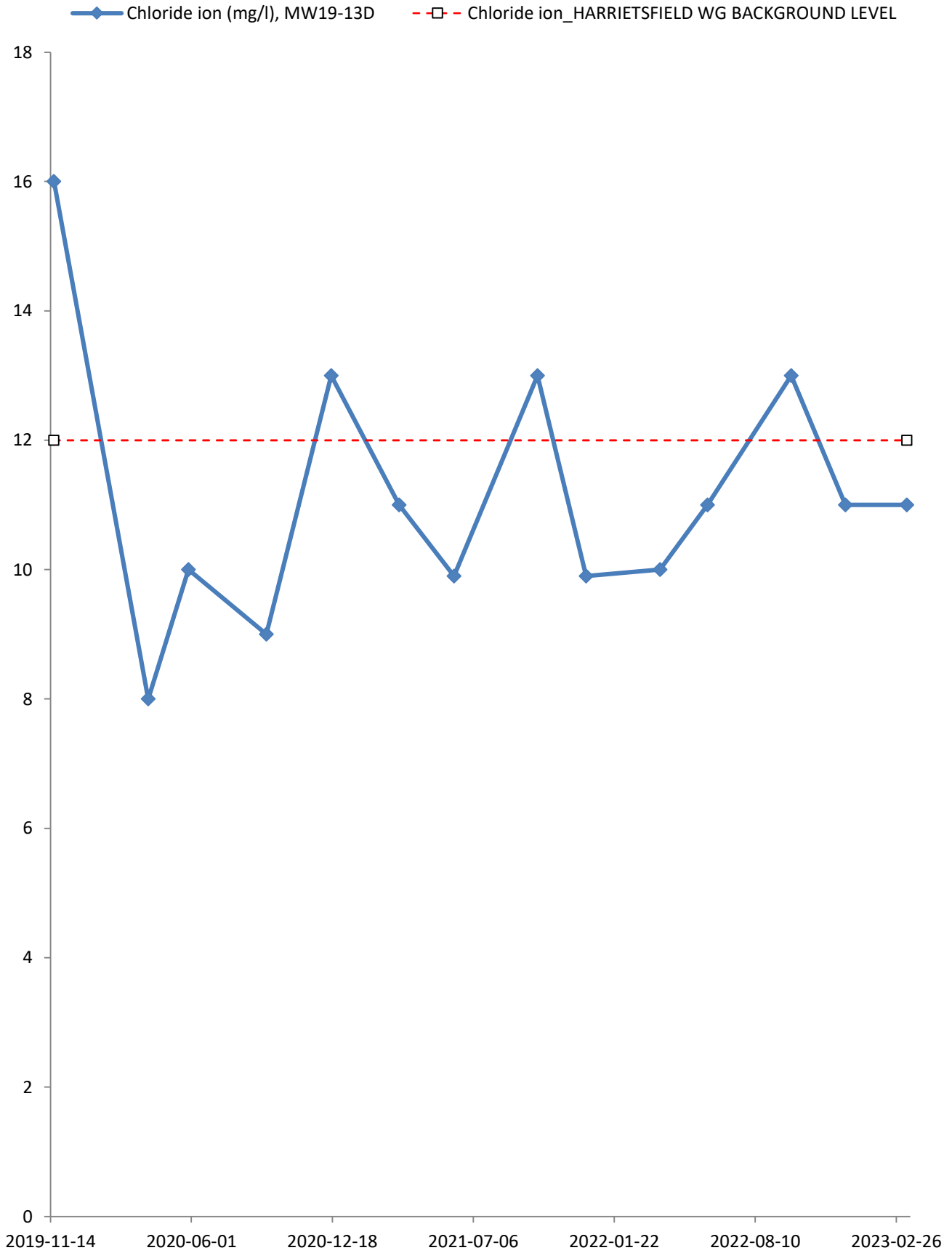


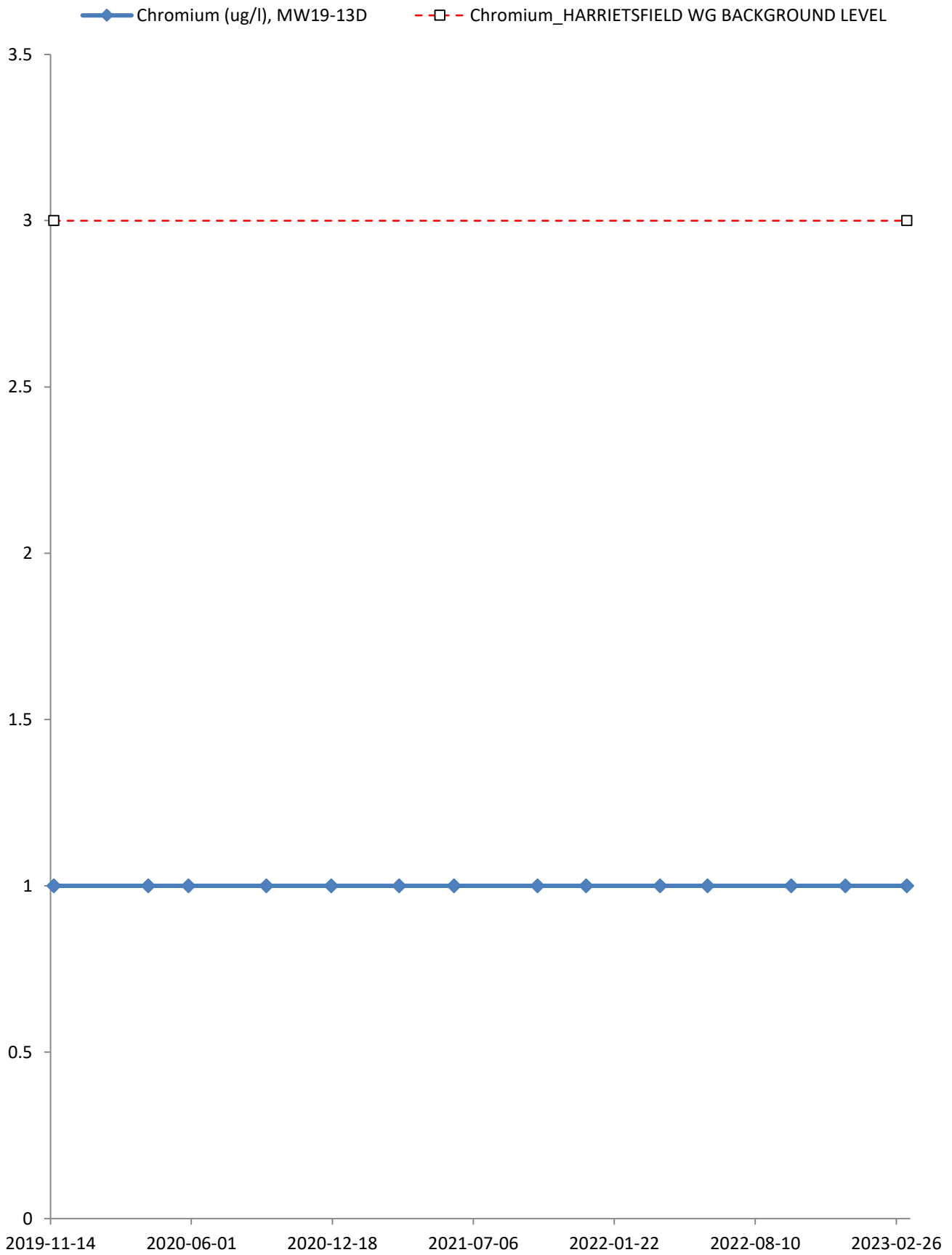


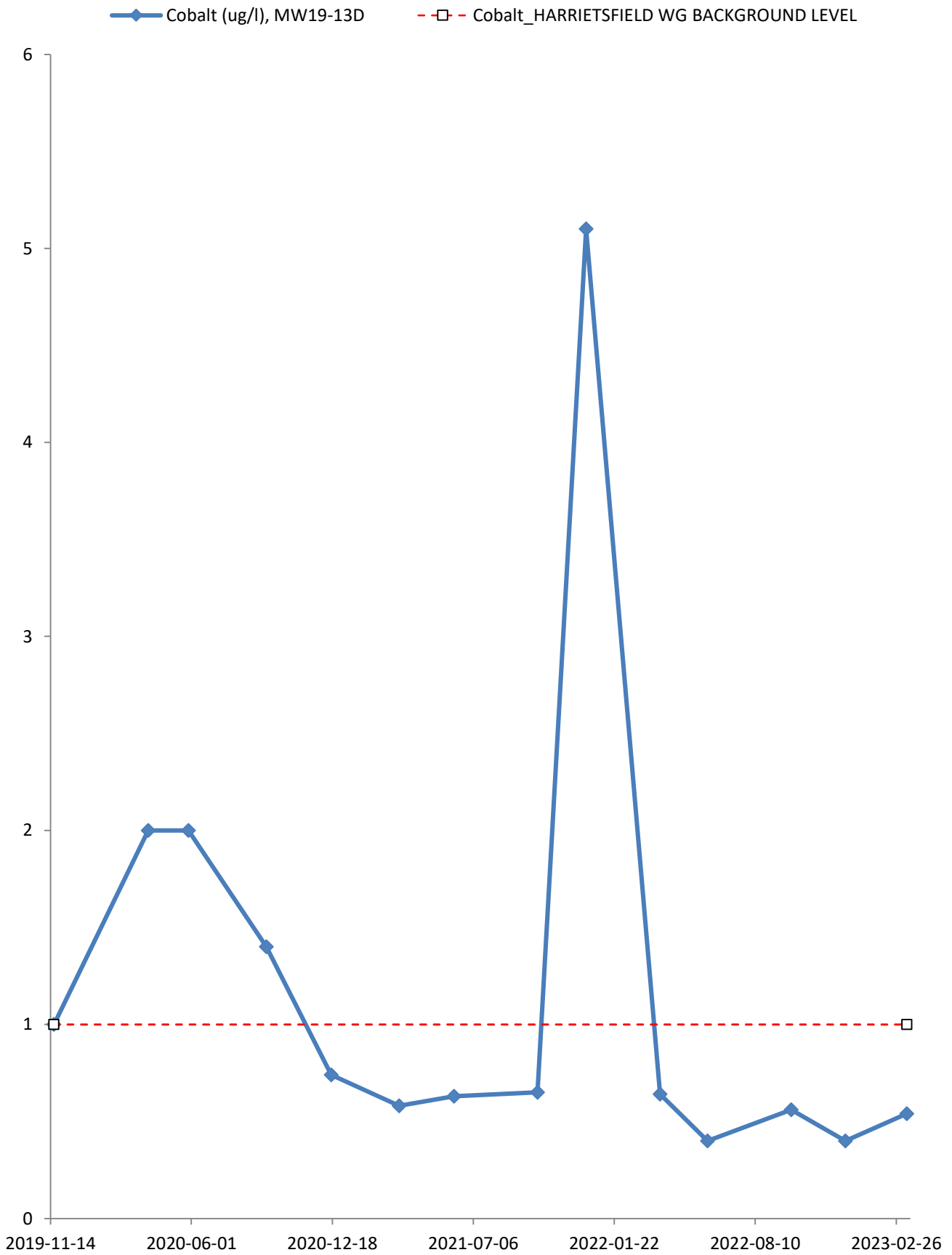


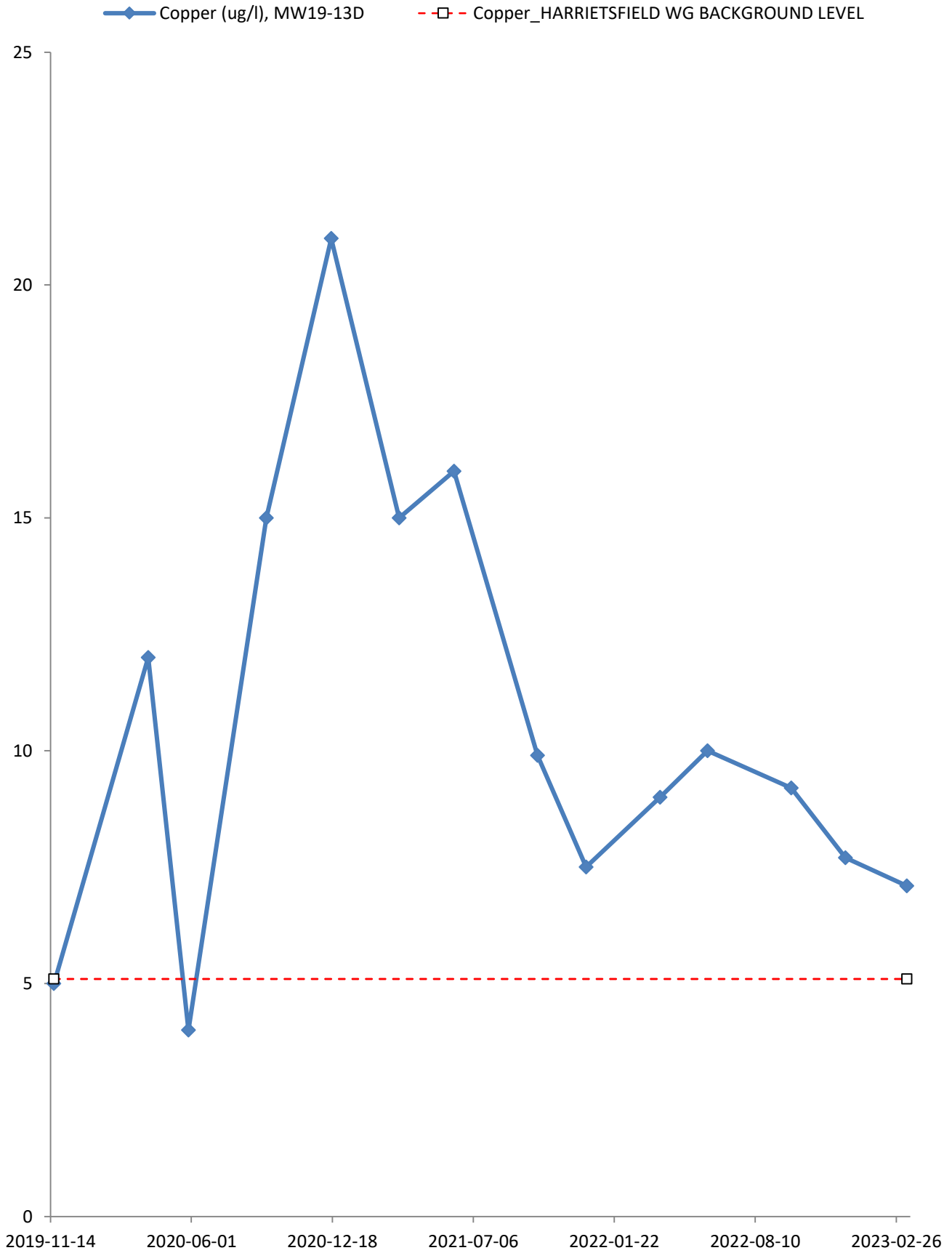
—◆— Chemical Oxygen Demand (mg/l), MW19-13D
- - □ - - Chemical Oxygen Demand_HARRIETSFIELD WG BACKGROUND LEVEL



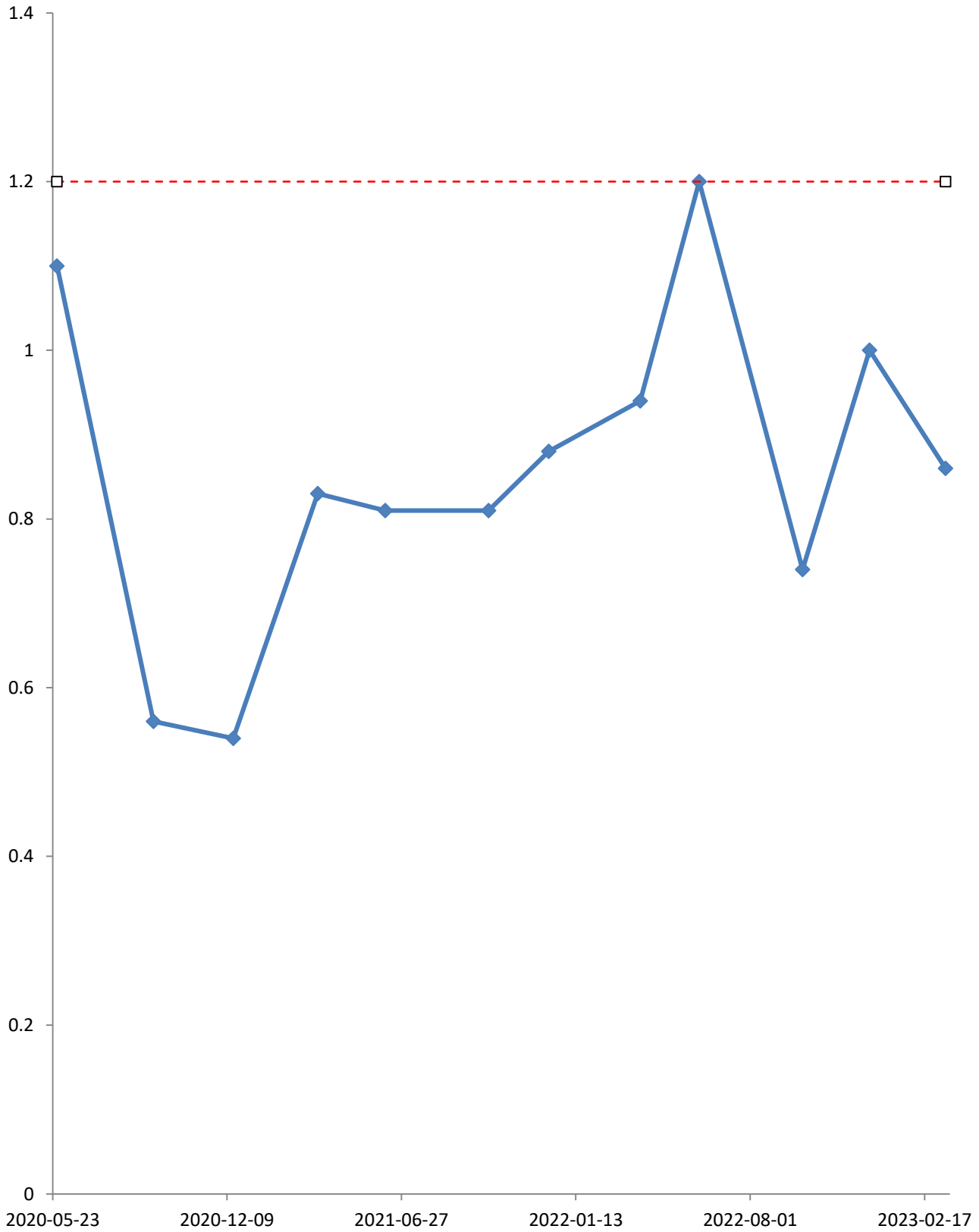




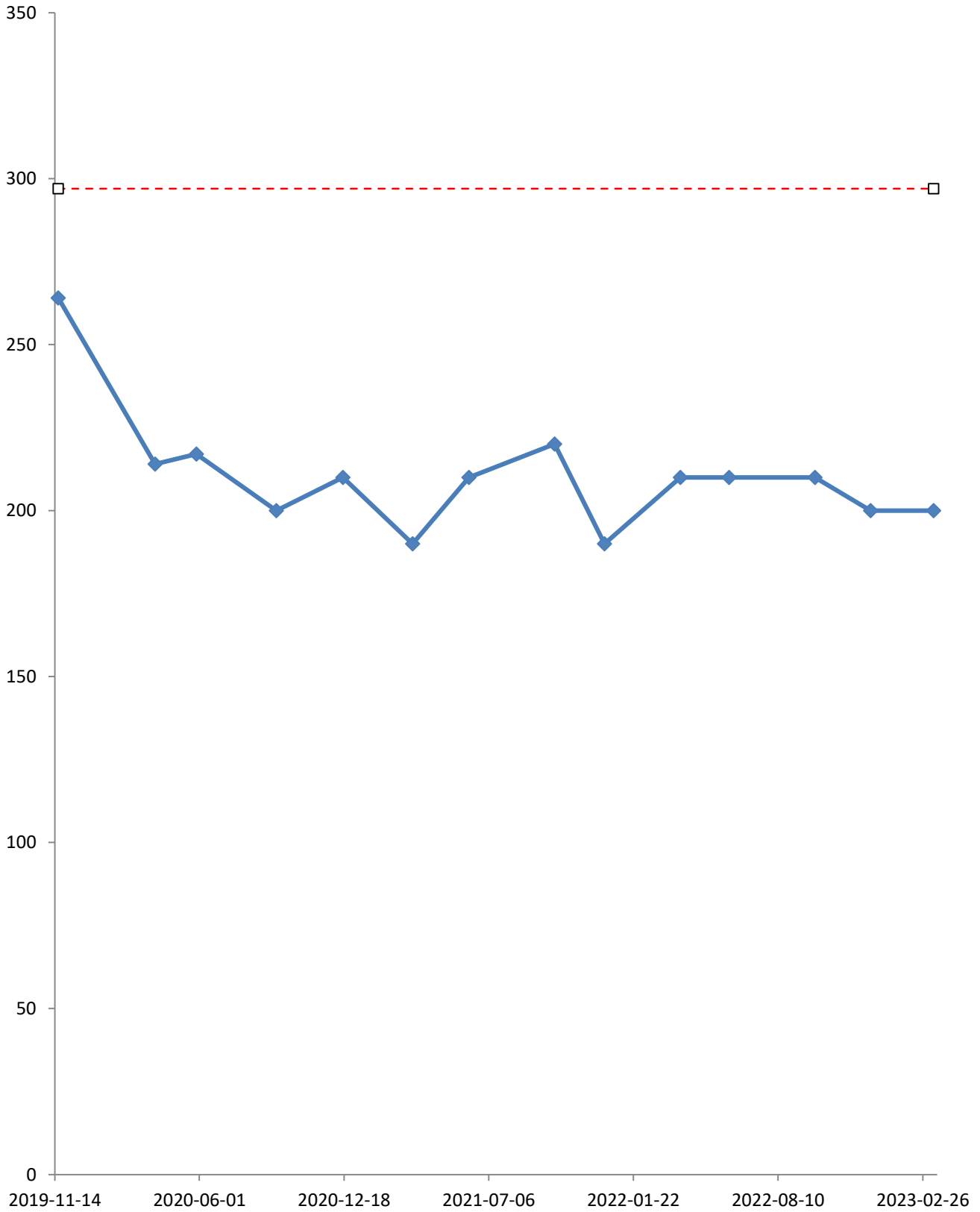


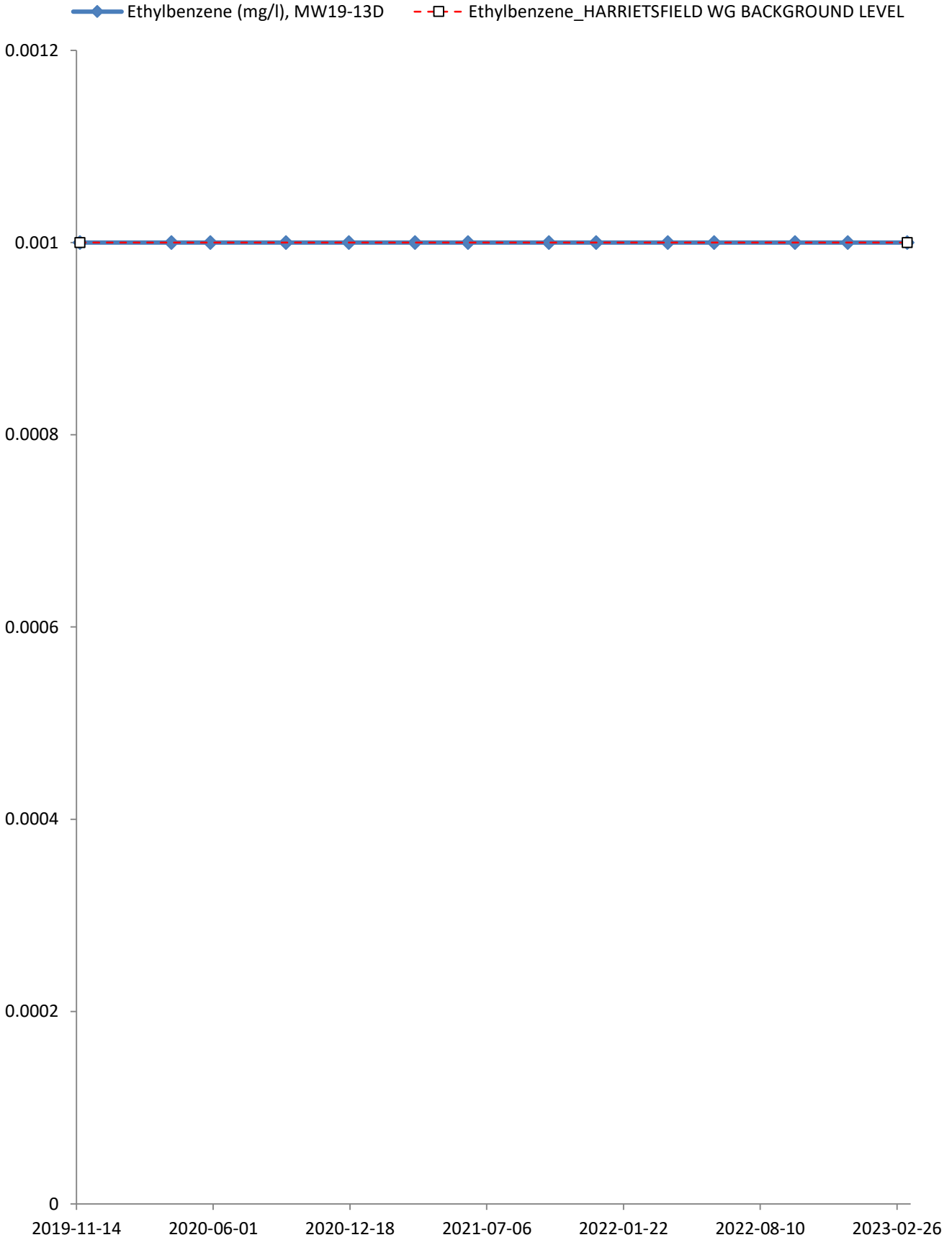


◆ Dissolved Organic Carbon (DOC) (mg/l), MW19-13D
-□- Dissolved Organic Carbon (DOC)_HARRIETSFIELD WG BACKGROUND LEVEL

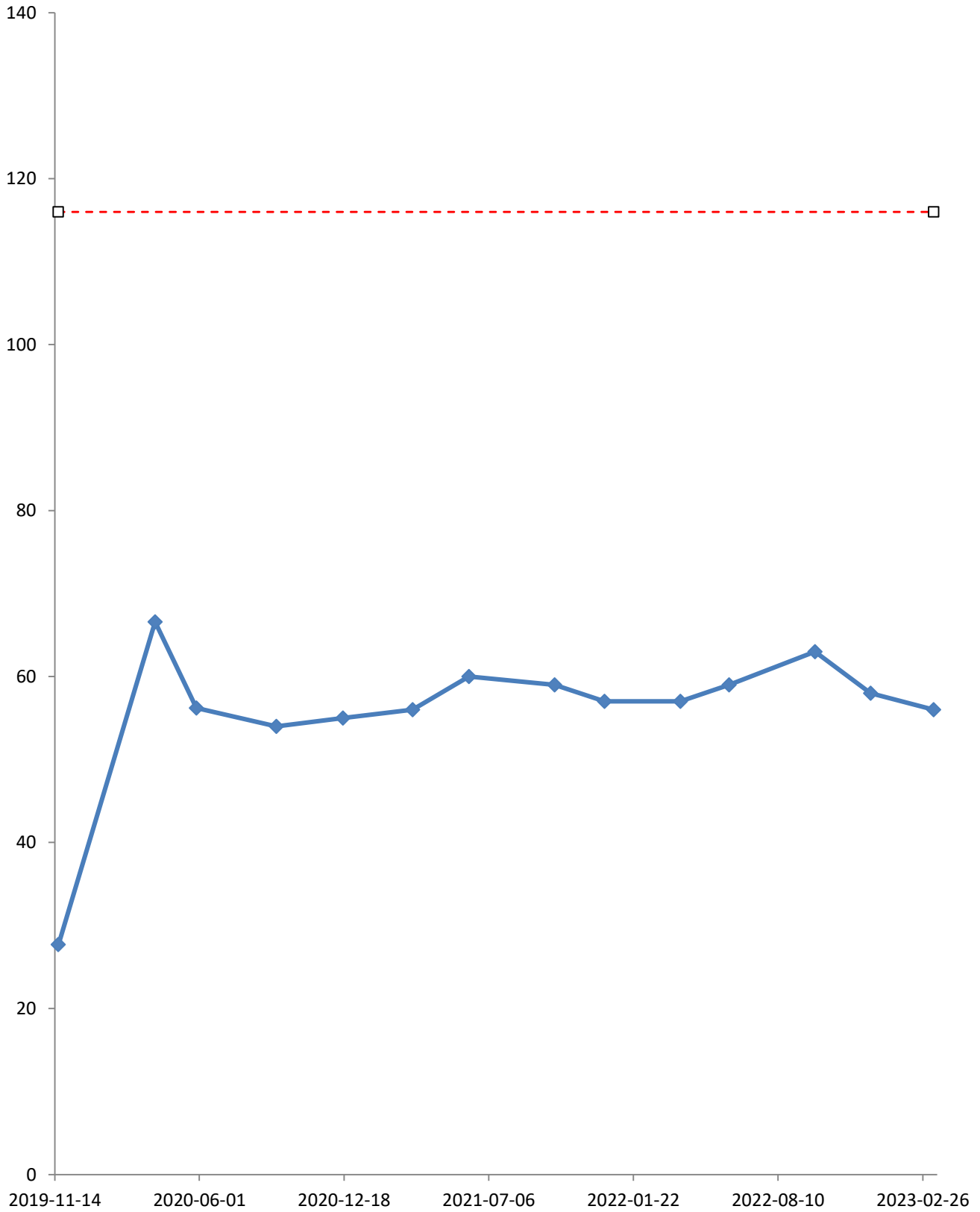


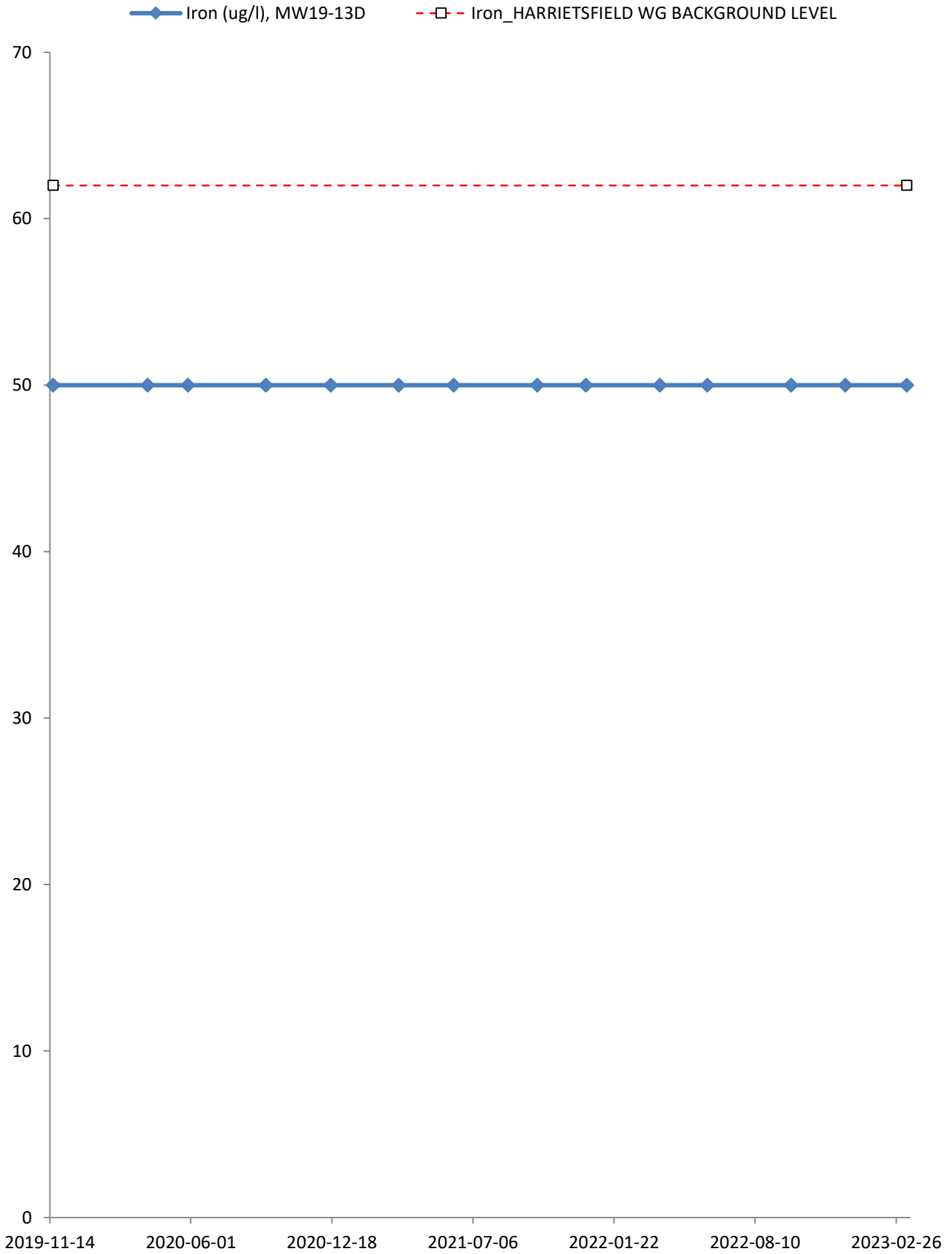
—◆— Electrical Conductivity (umhos/cm), MW19-13D
- -□- - Electrical Conductivity_HARRIETSFIELD WG BACKGROUND LEVEL

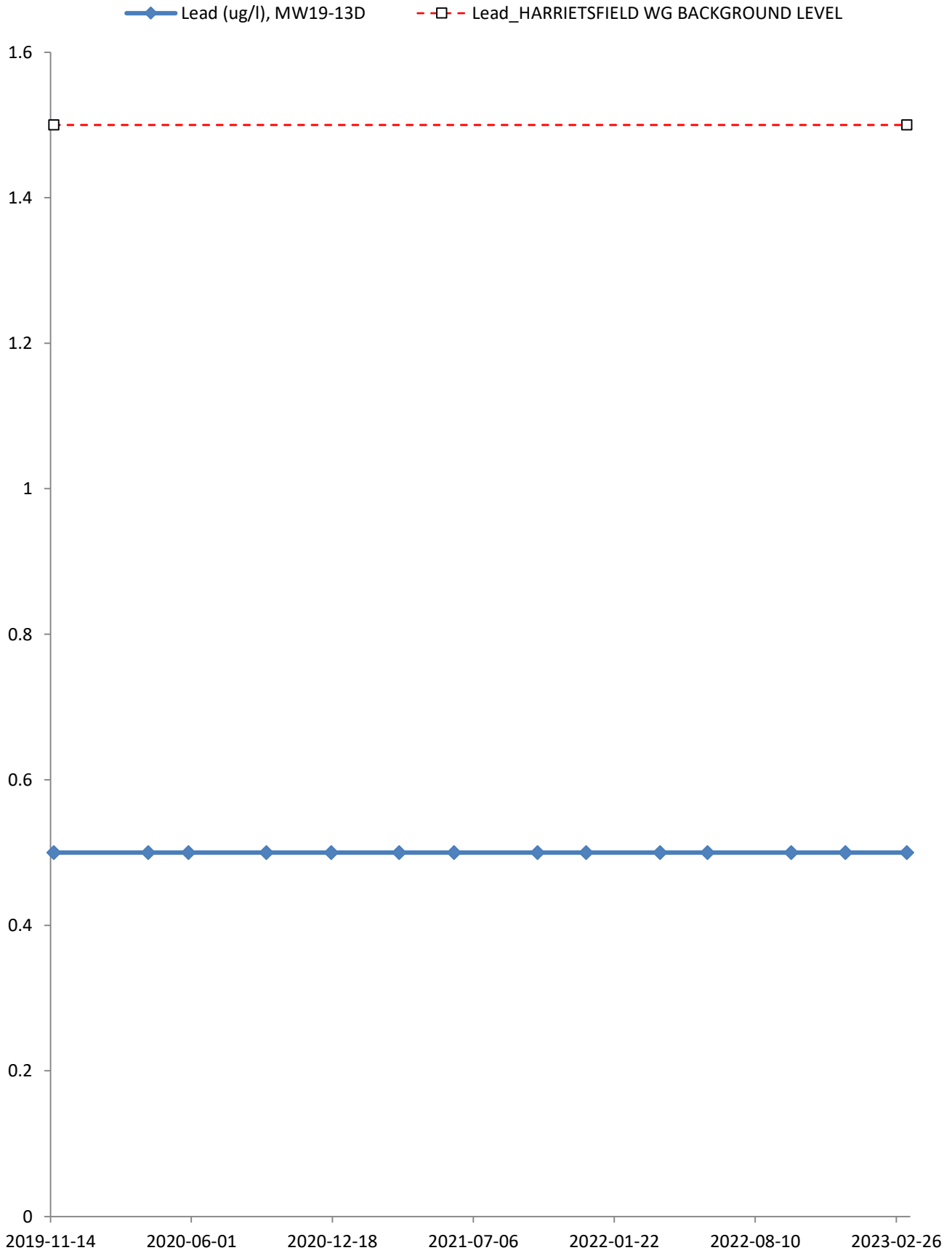


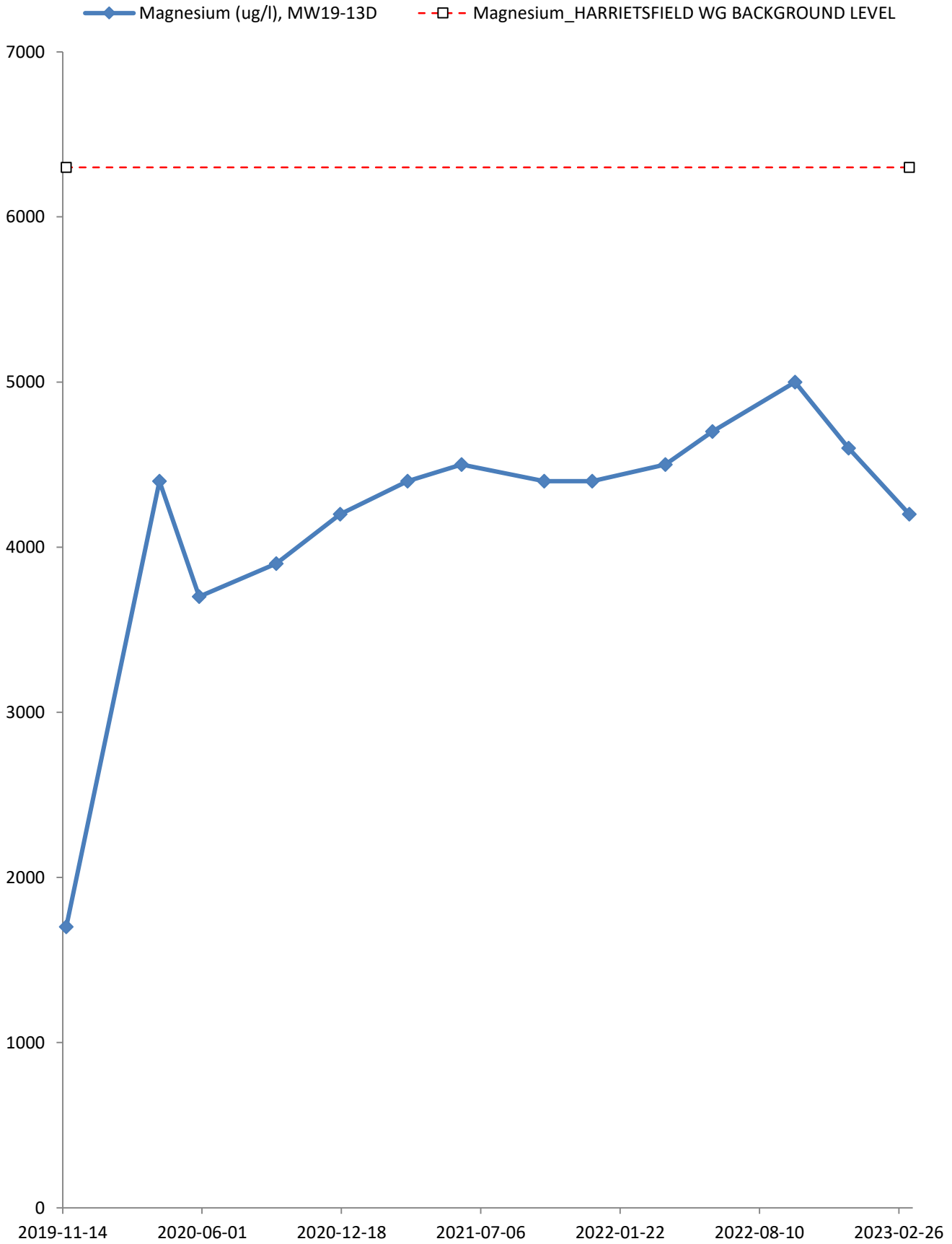


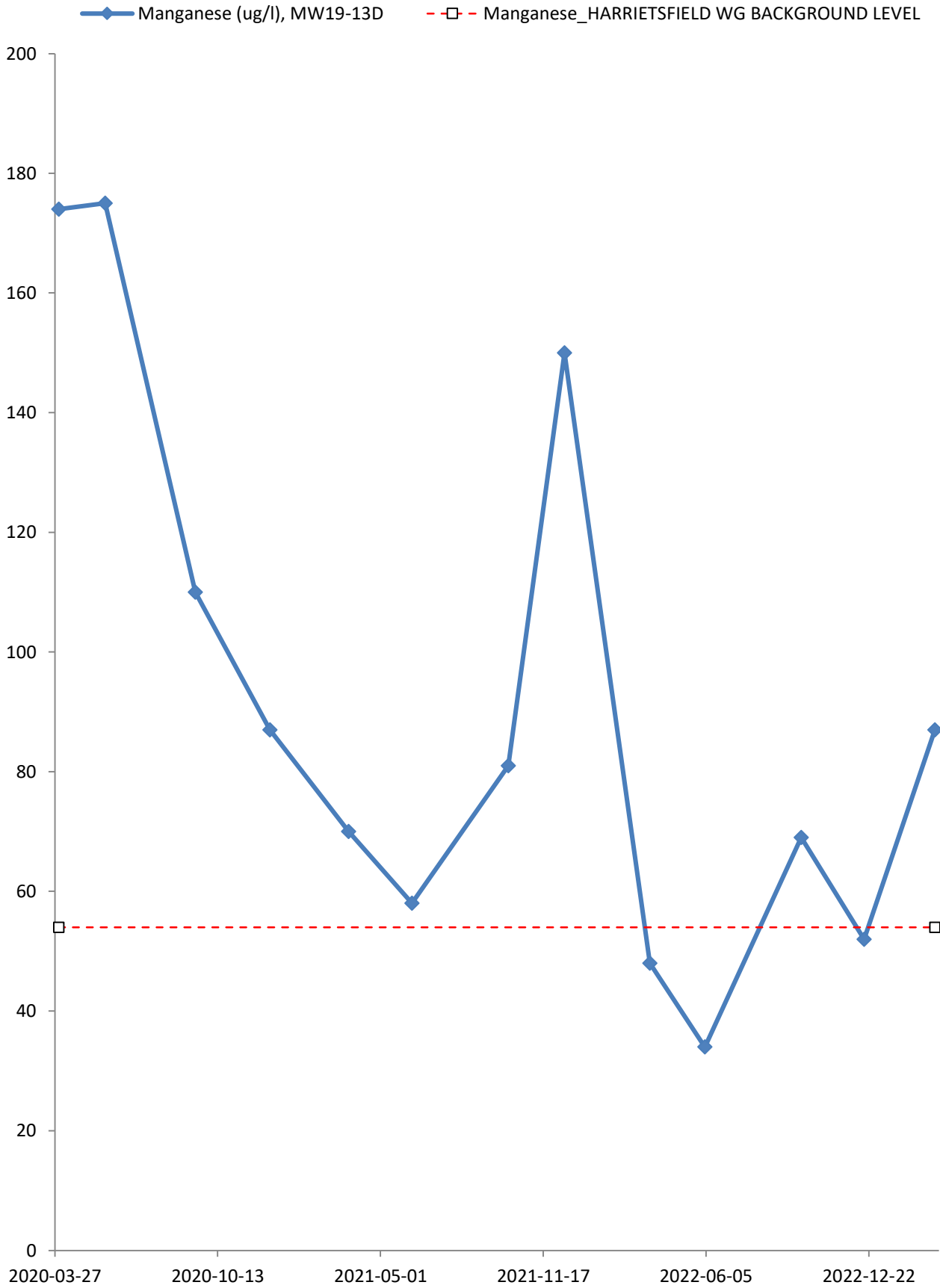
—◆— Hardness (as CaCO₃) (mg/l), MW19-13D
- -□- - Hardness (as CaCO₃)_HARRIETSFIELD WG BACKGROUND LEVEL

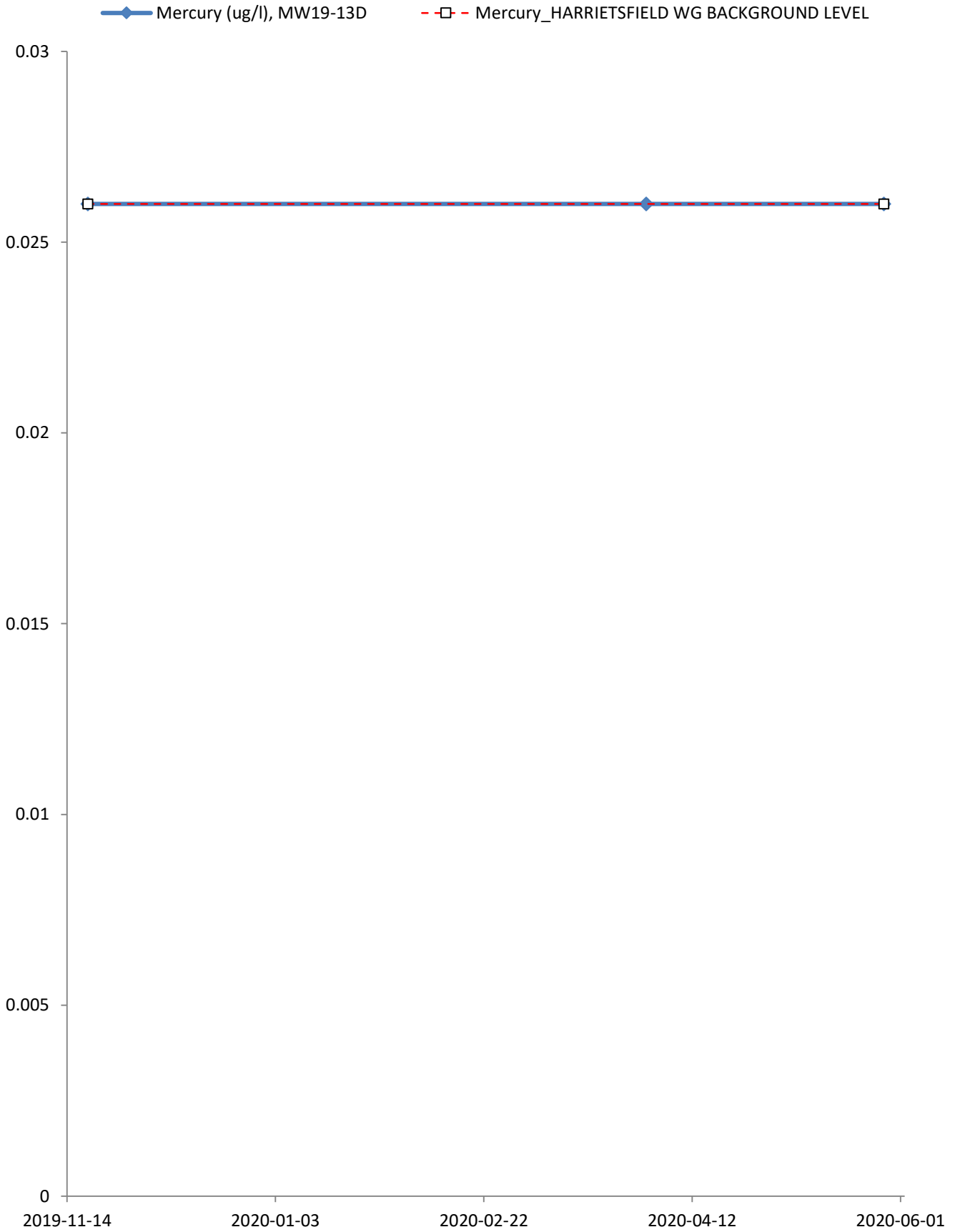




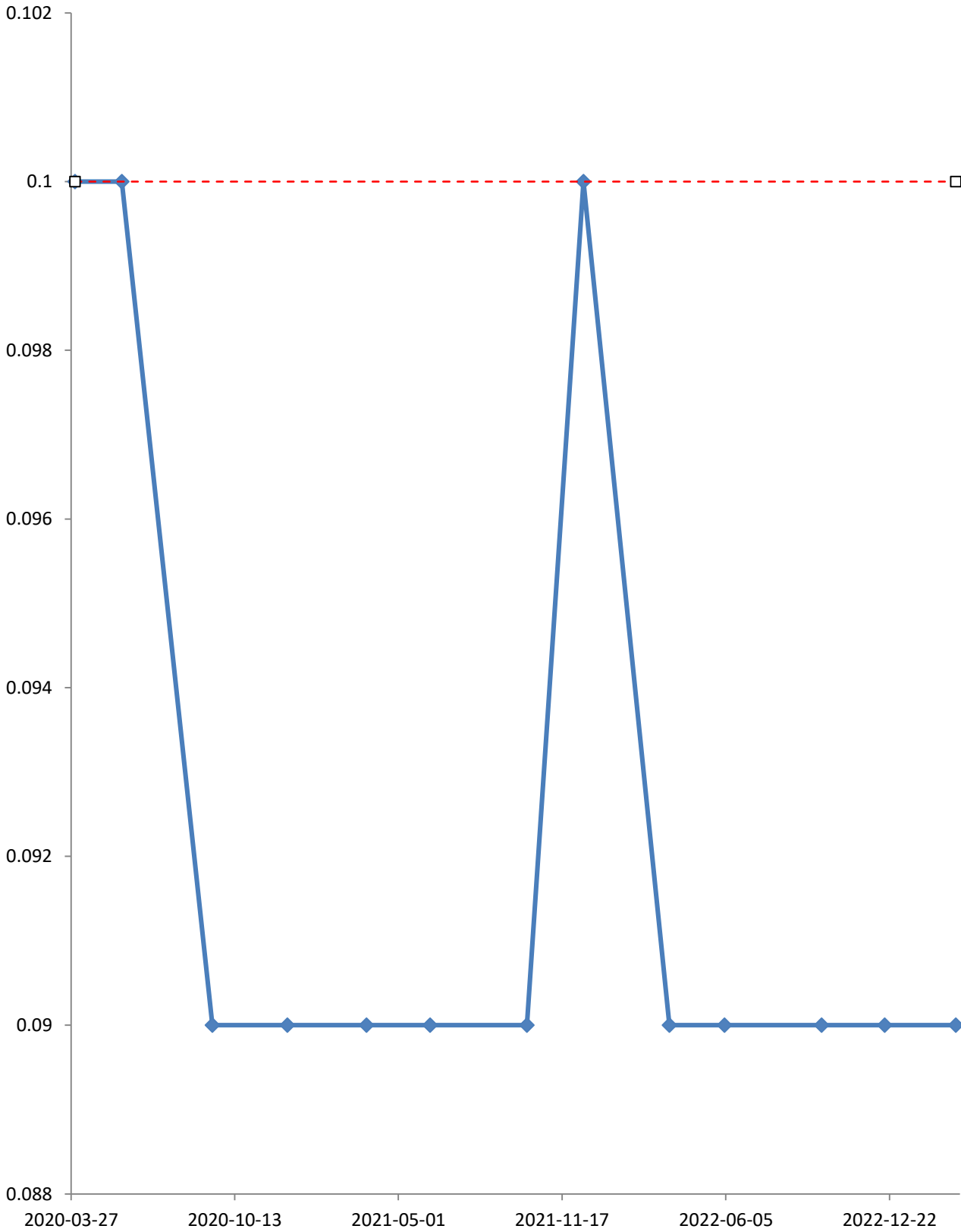


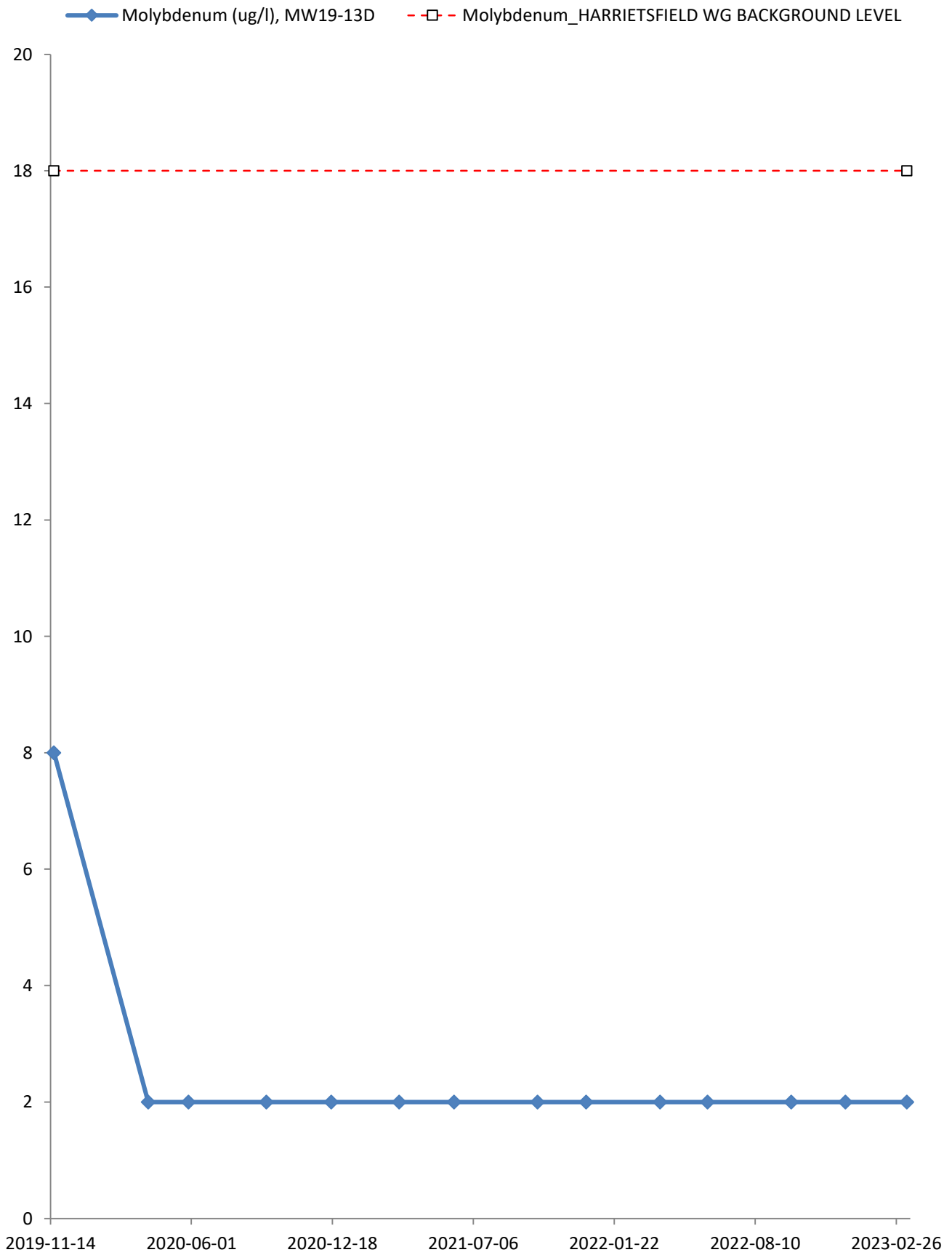


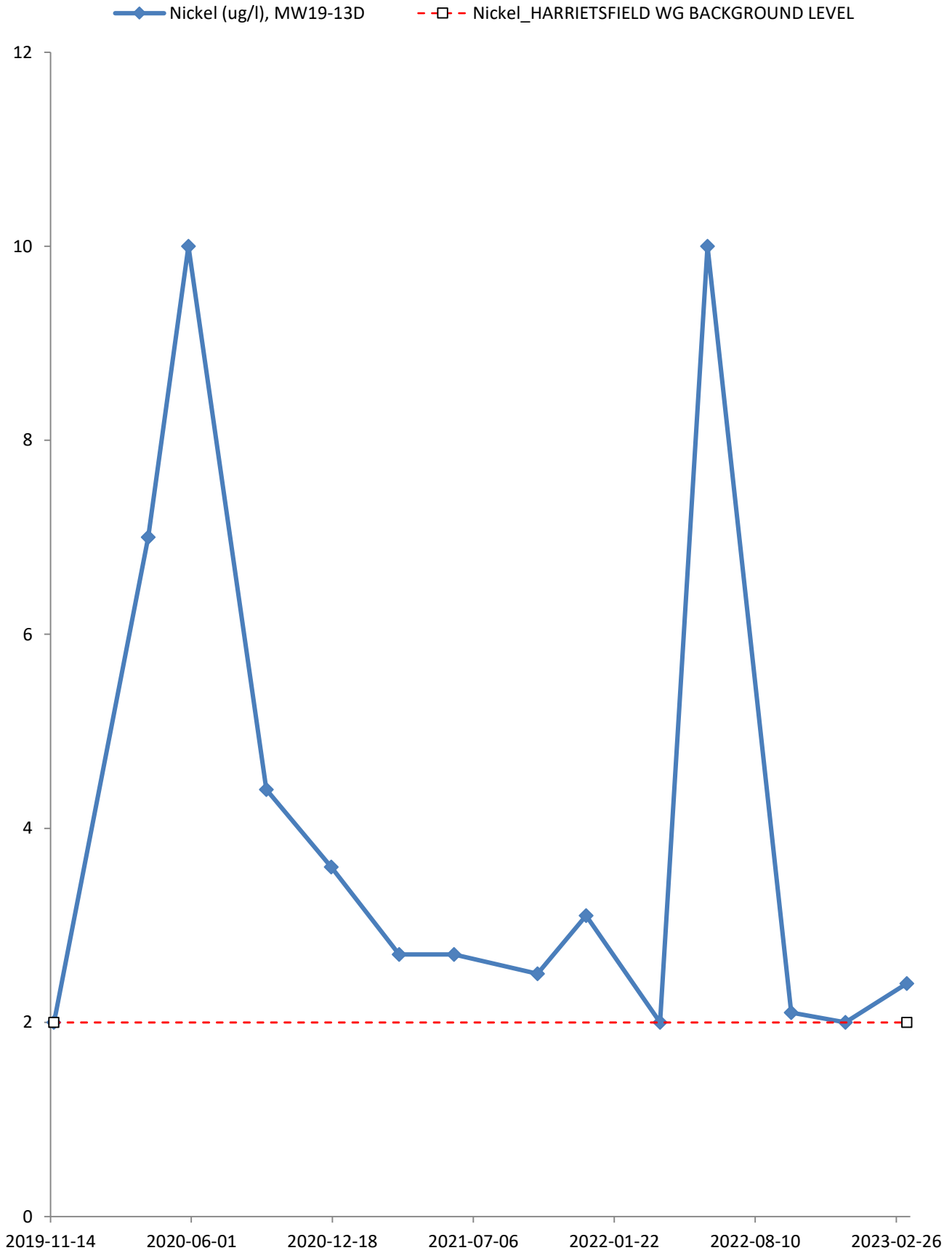


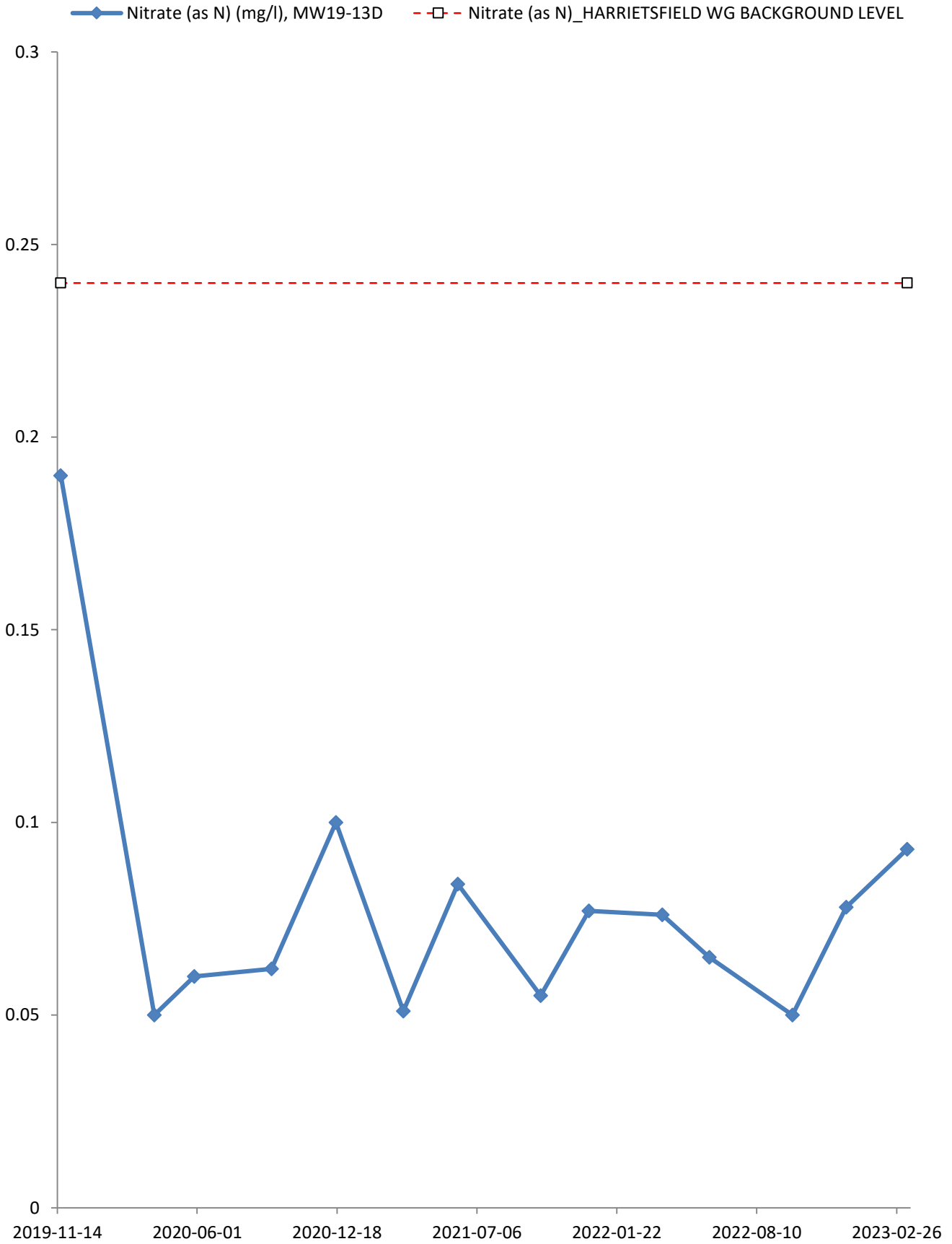


—◆— Modified TPH Tier 1 (mg/l), MW19-13D
- - □ - - Modified TPH Tier 1_HARRIETSFIELD WG BACKGROUND LEVEL

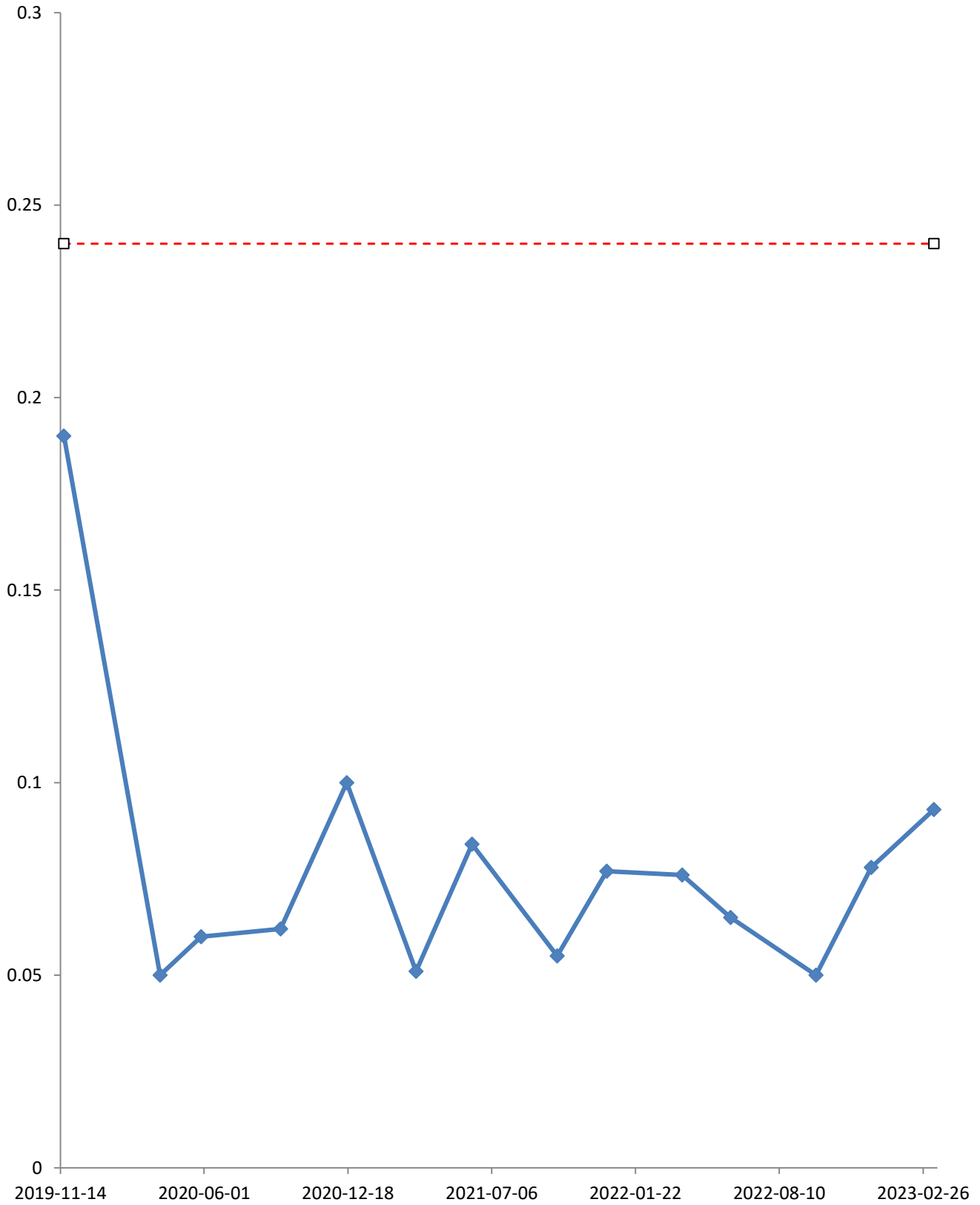


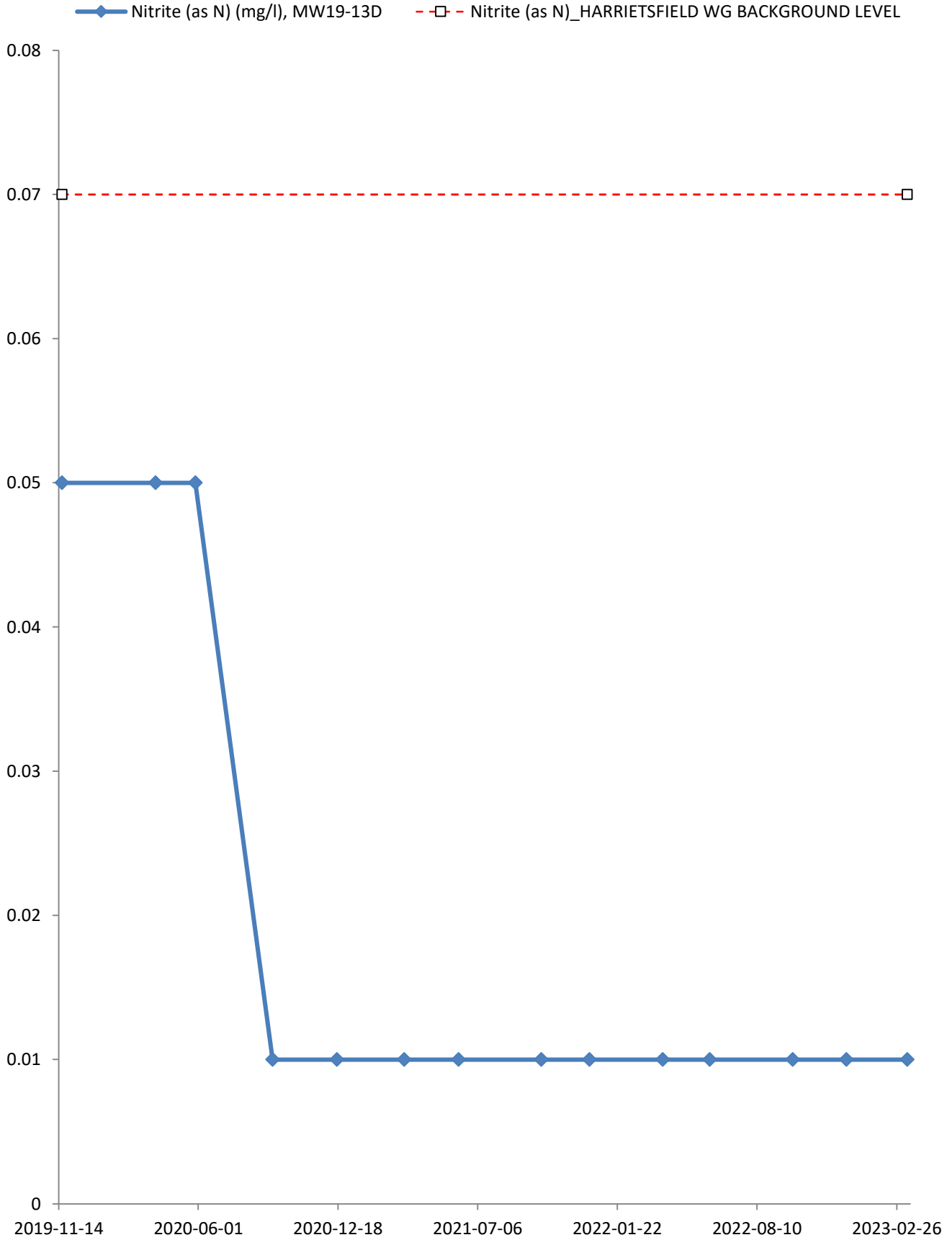




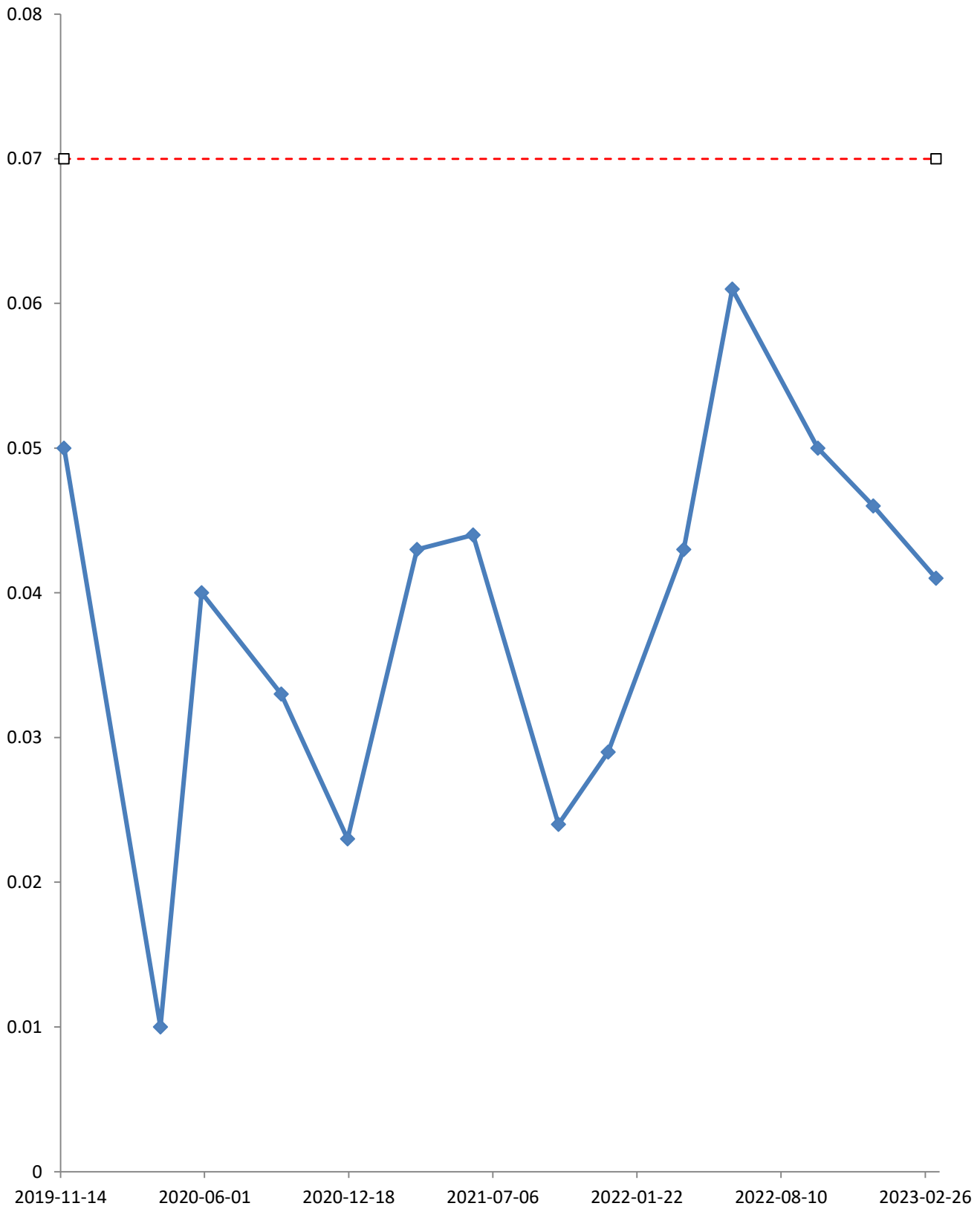


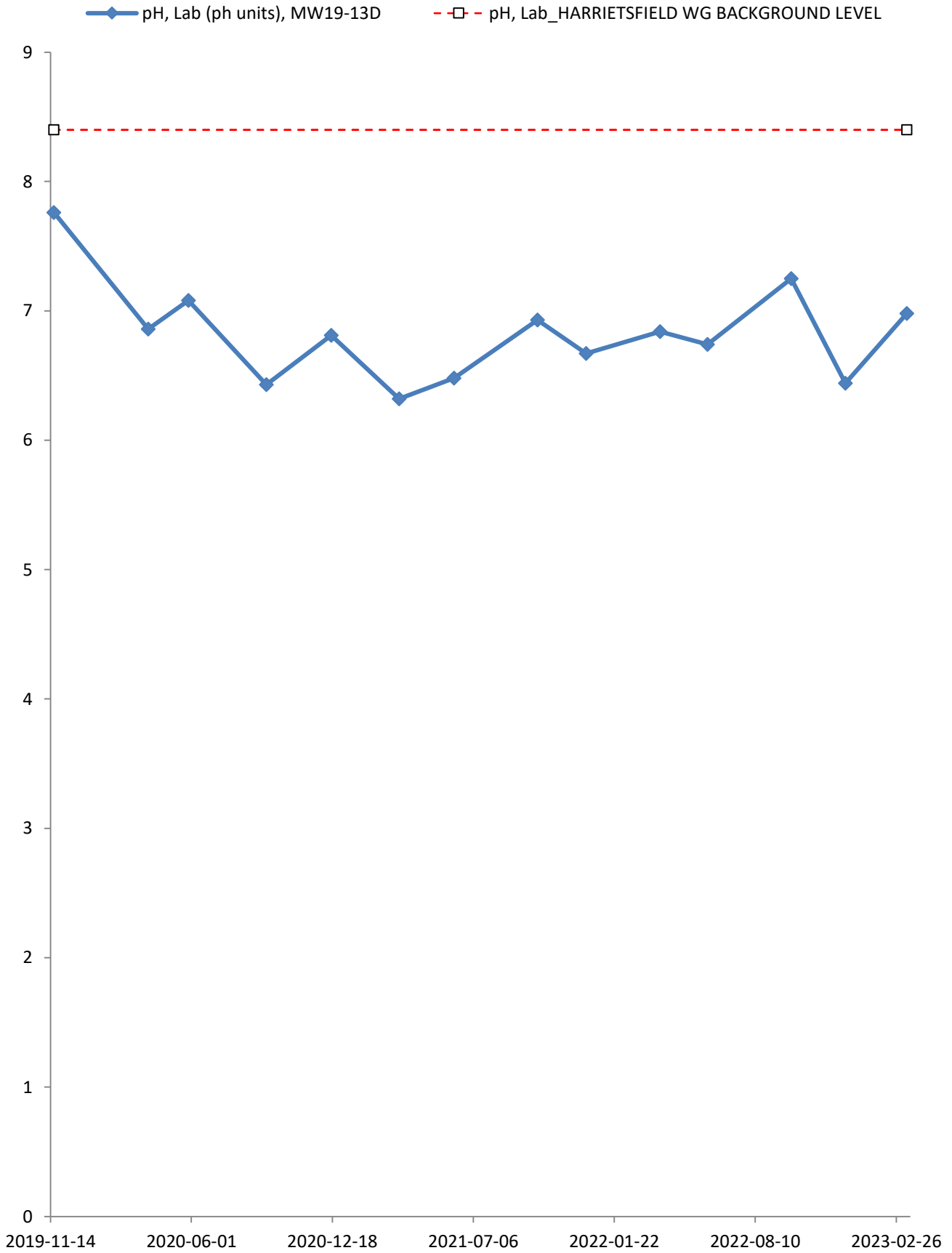
—◆— Nitrate plus Nitrite (N) (mg/l), MW19-13D
- -□- - Nitrate plus Nitrite (N)_HARRIETSFIELD WG BACKGROUND LEVEL

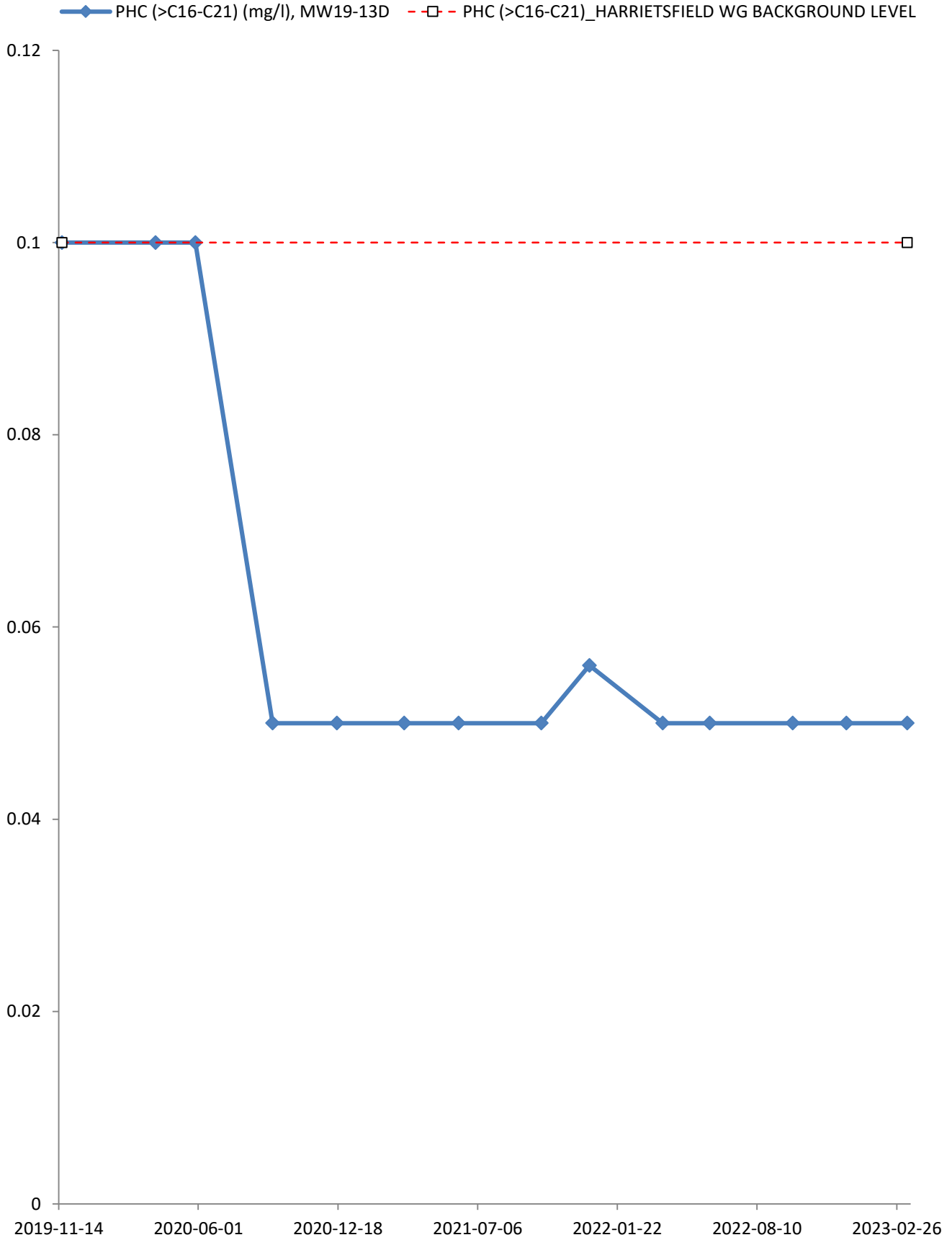


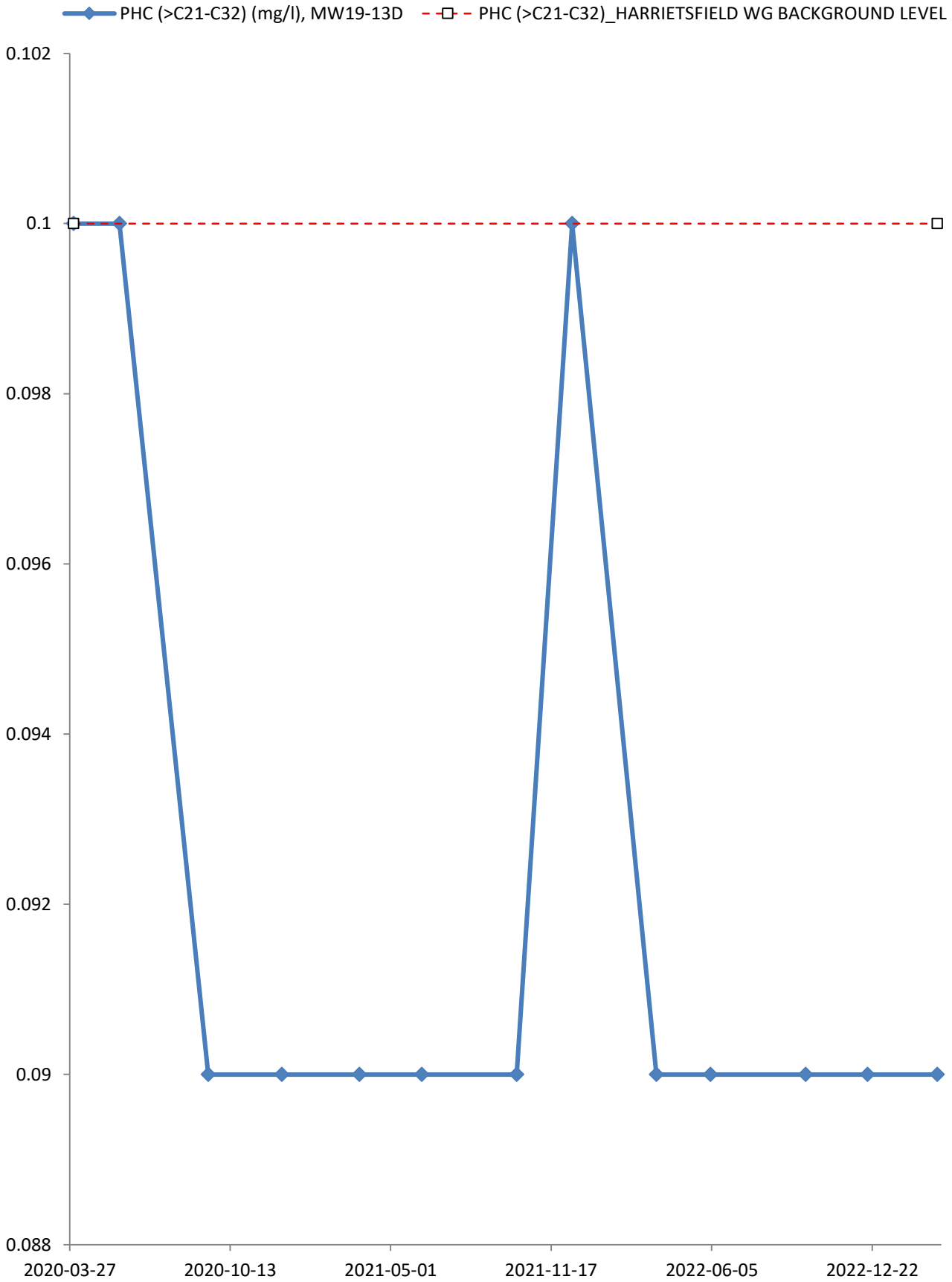


- ◆— Orthophosphate(as P) (mg/l), MW19-13D
- -□- - Orthophosphate(as P)_HARRIETSFIELD WG BACKGROUND LEVEL

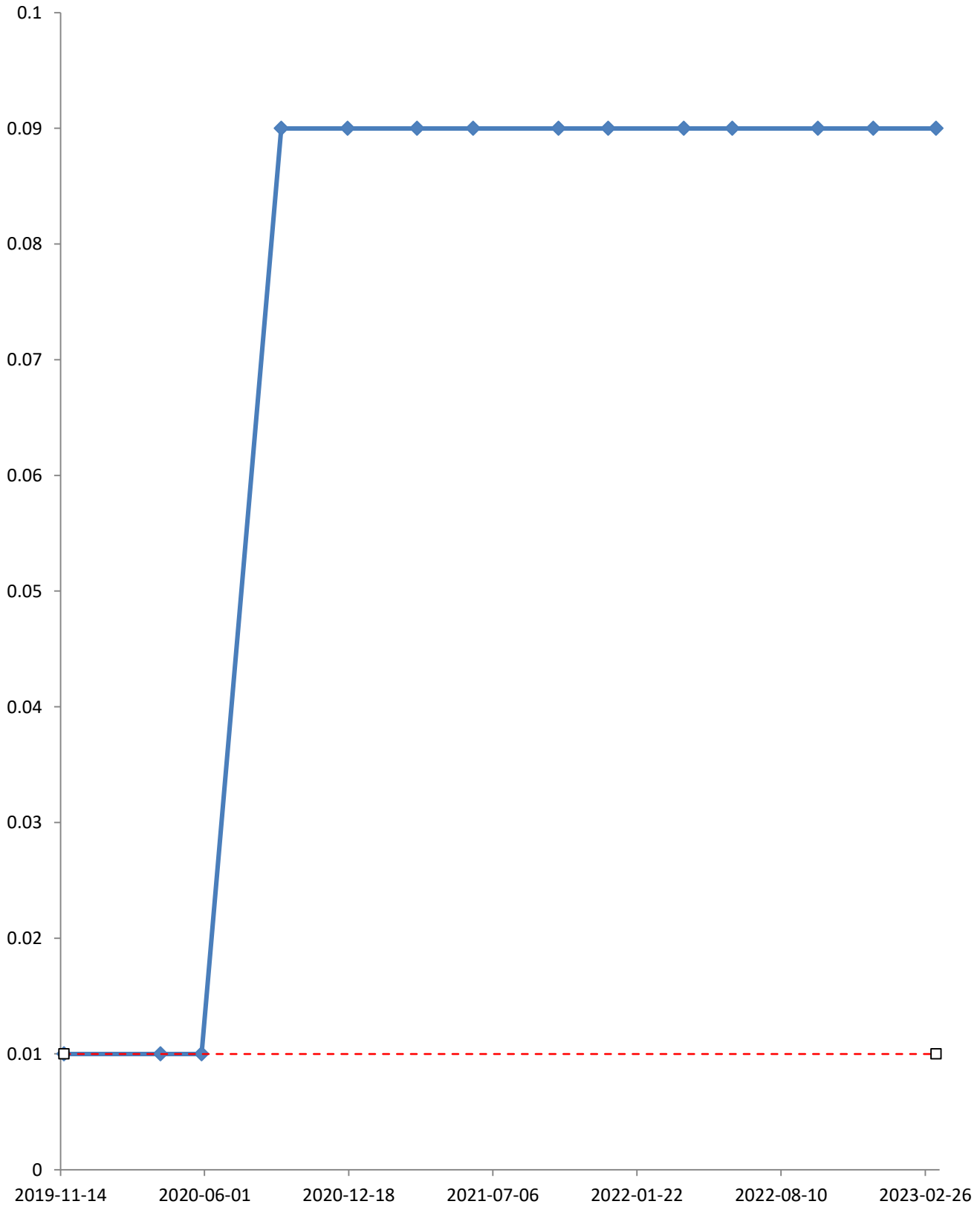




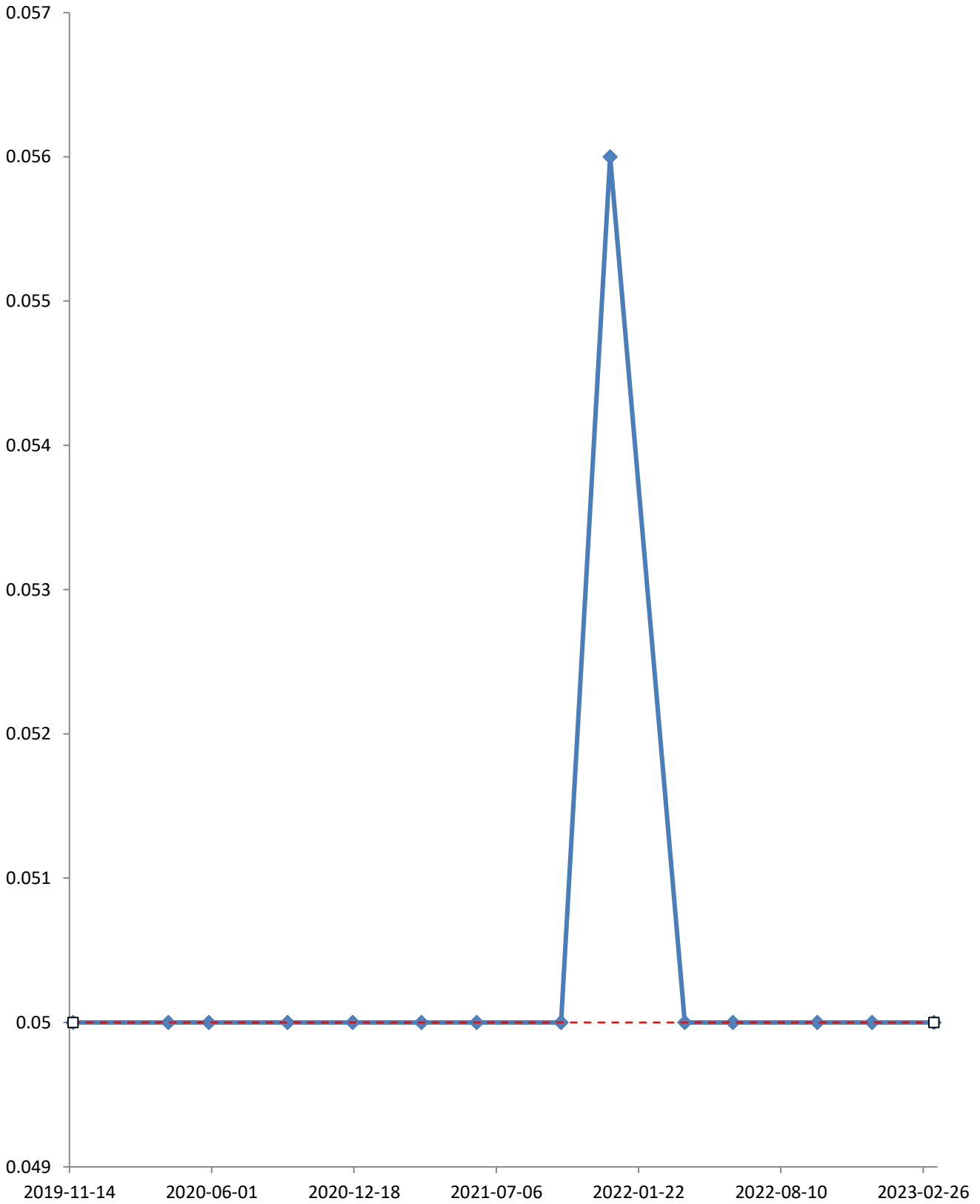


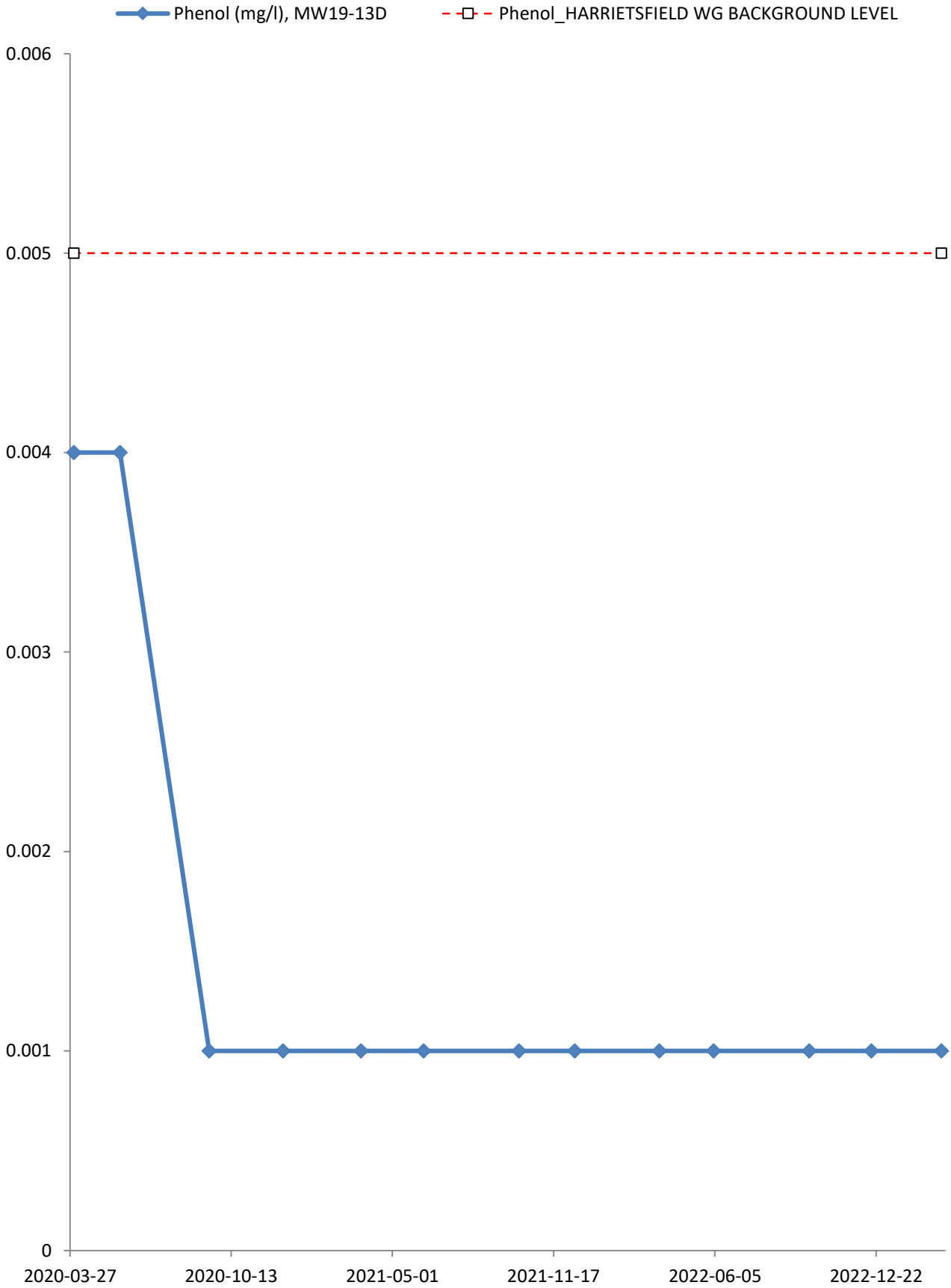


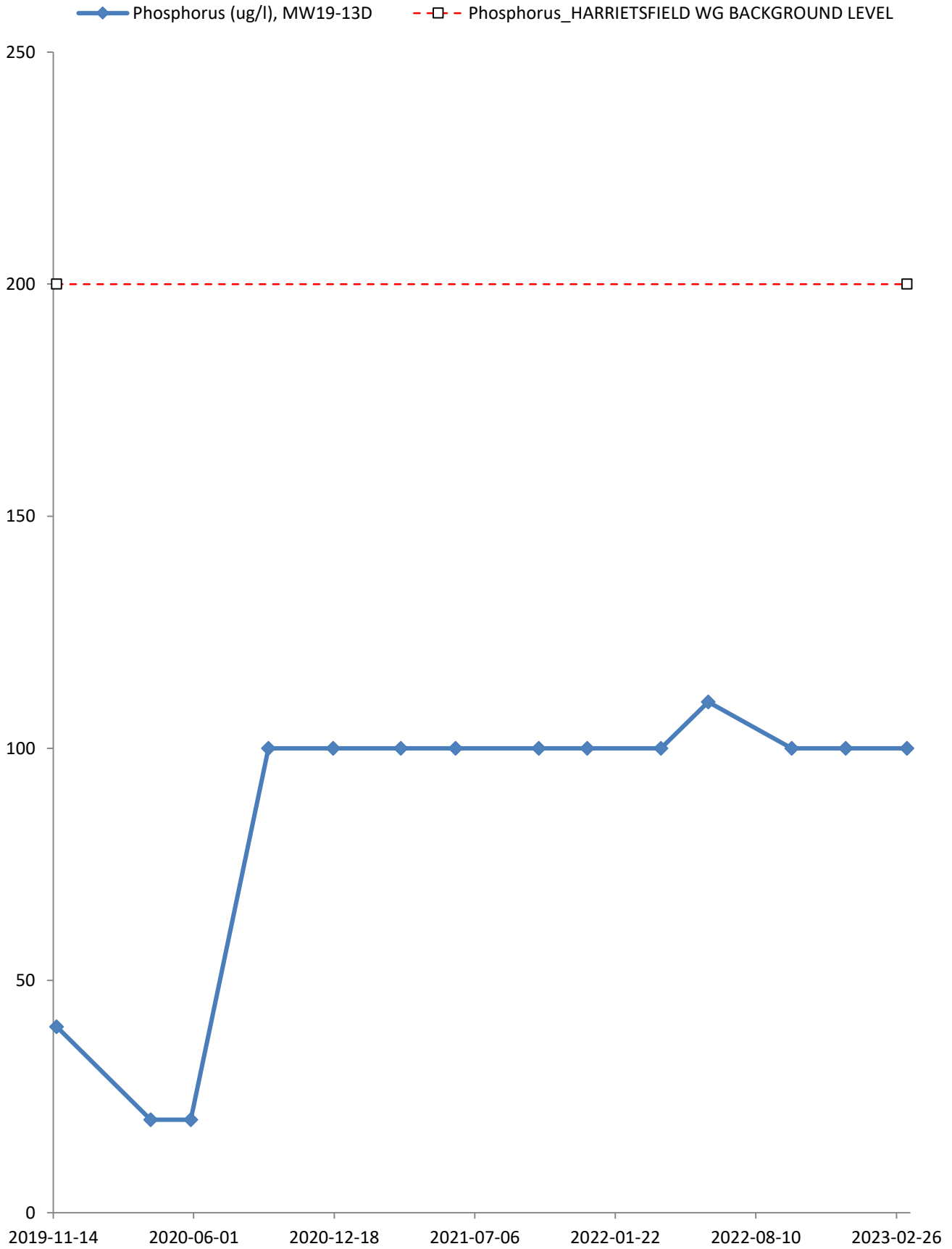
—◆— PHC F1 (C6-C10) min BTEX (mg/l), MW19-13D
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WG BACKGROUND LEVEL

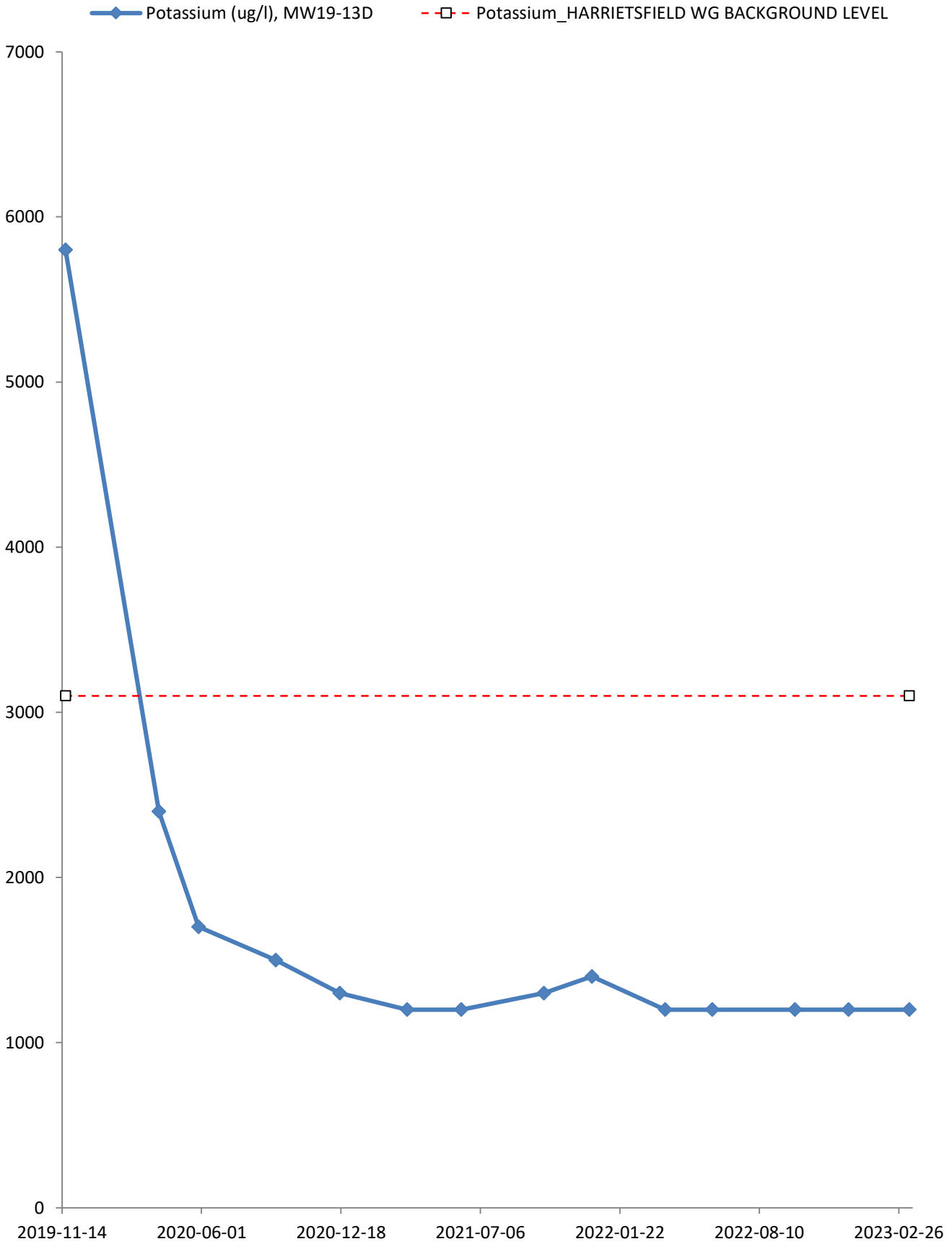


—◆— PHC F2 (>C10-C16) (mg/l), MW19-13D
- -□- - PHC F2 (>C10-C16)_HARRIETSFIELD WG BACKGROUND LEVEL

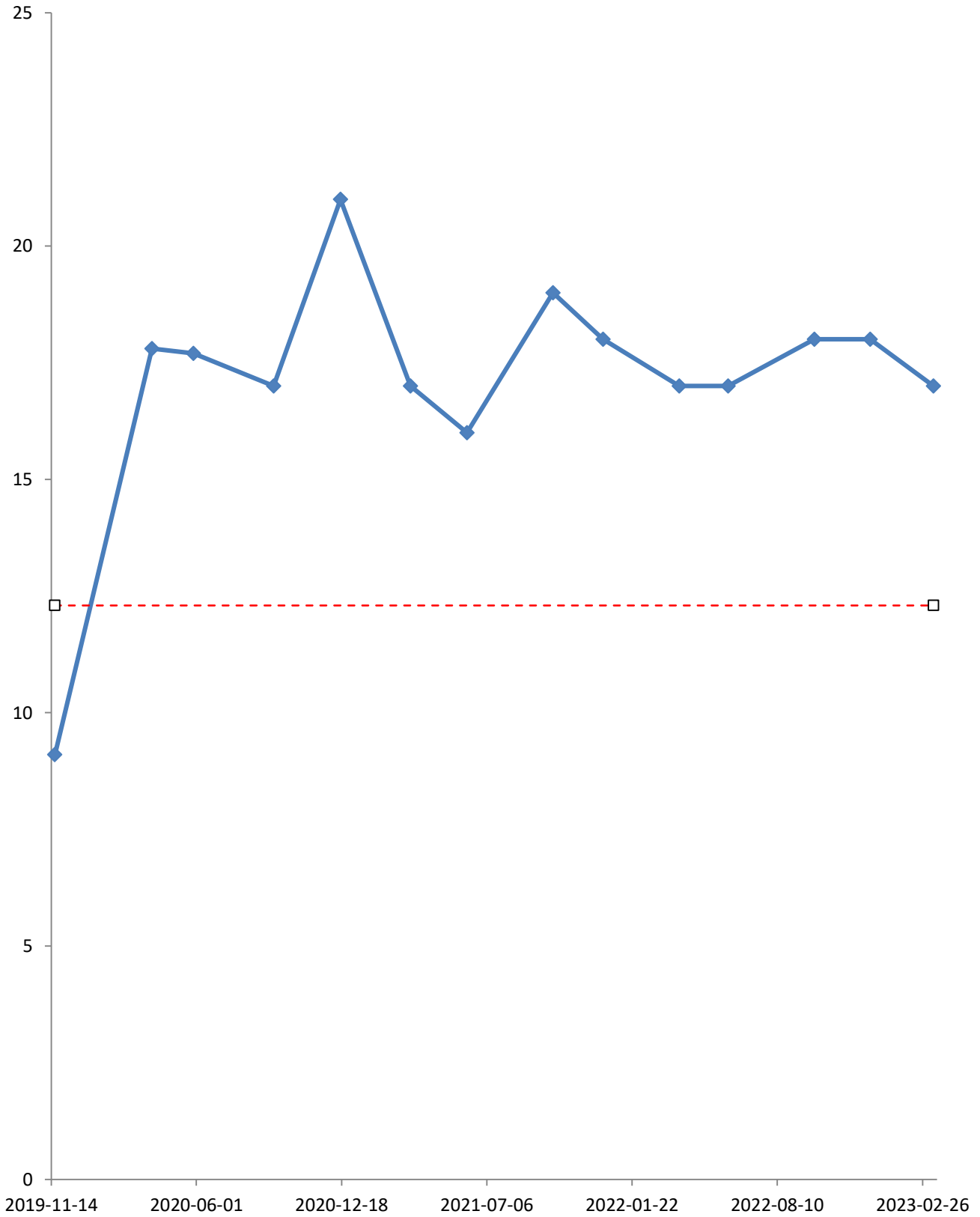




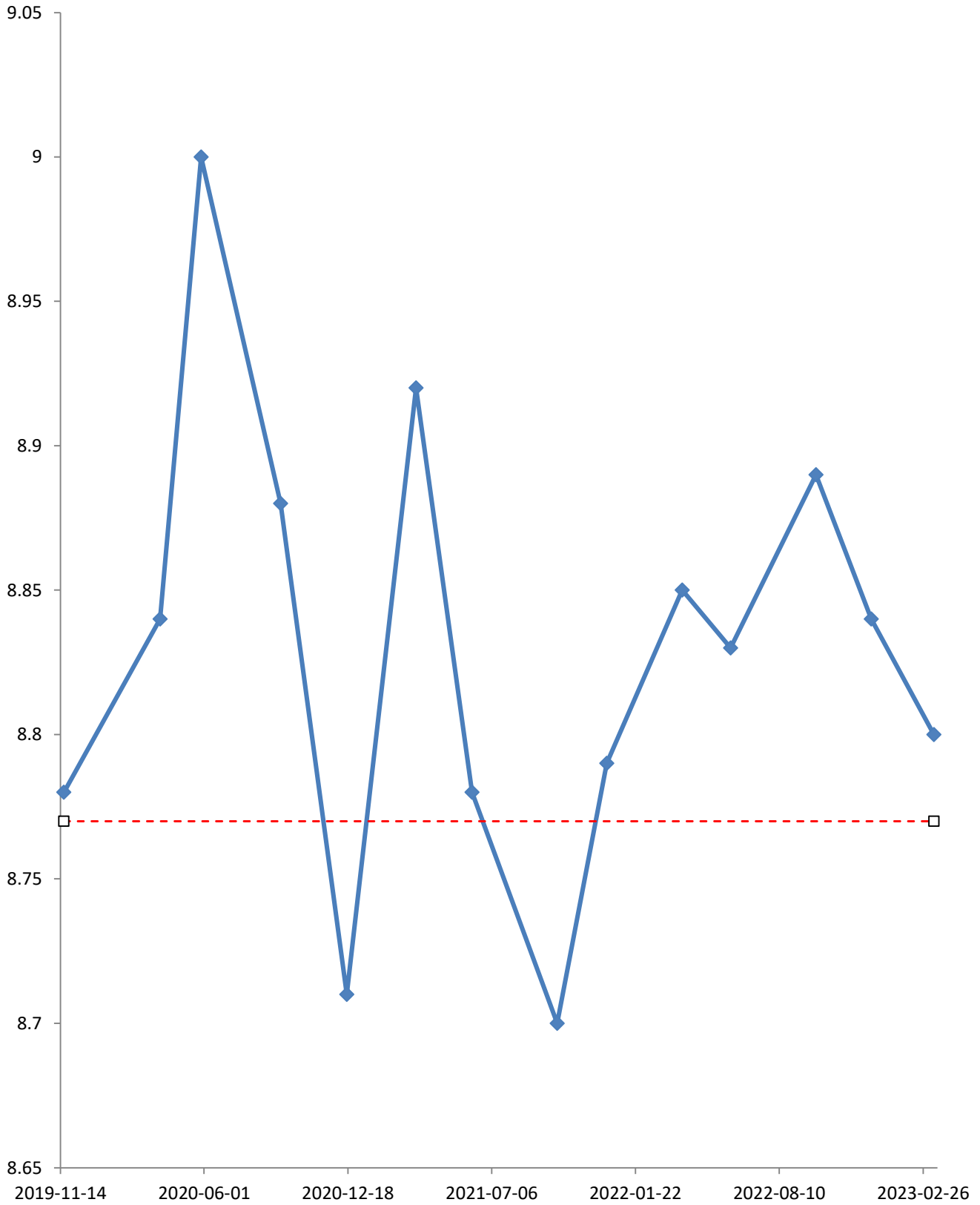




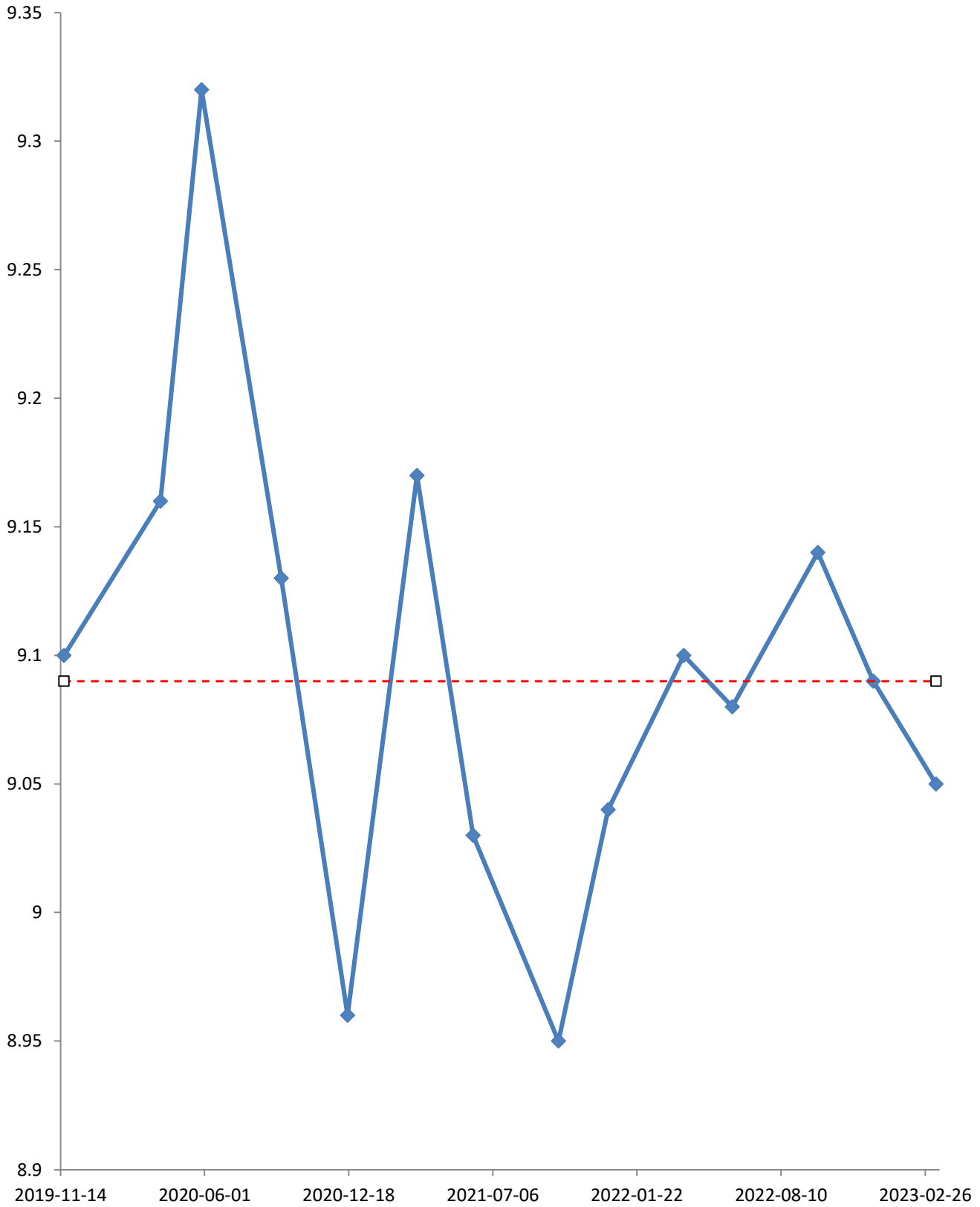
◆ Reactive Silica (SiO₂) (mg/l), MW19-13D
-□- Reactive Silica (SiO₂)_HARRIETSFIELD WG BACKGROUND LEVEL

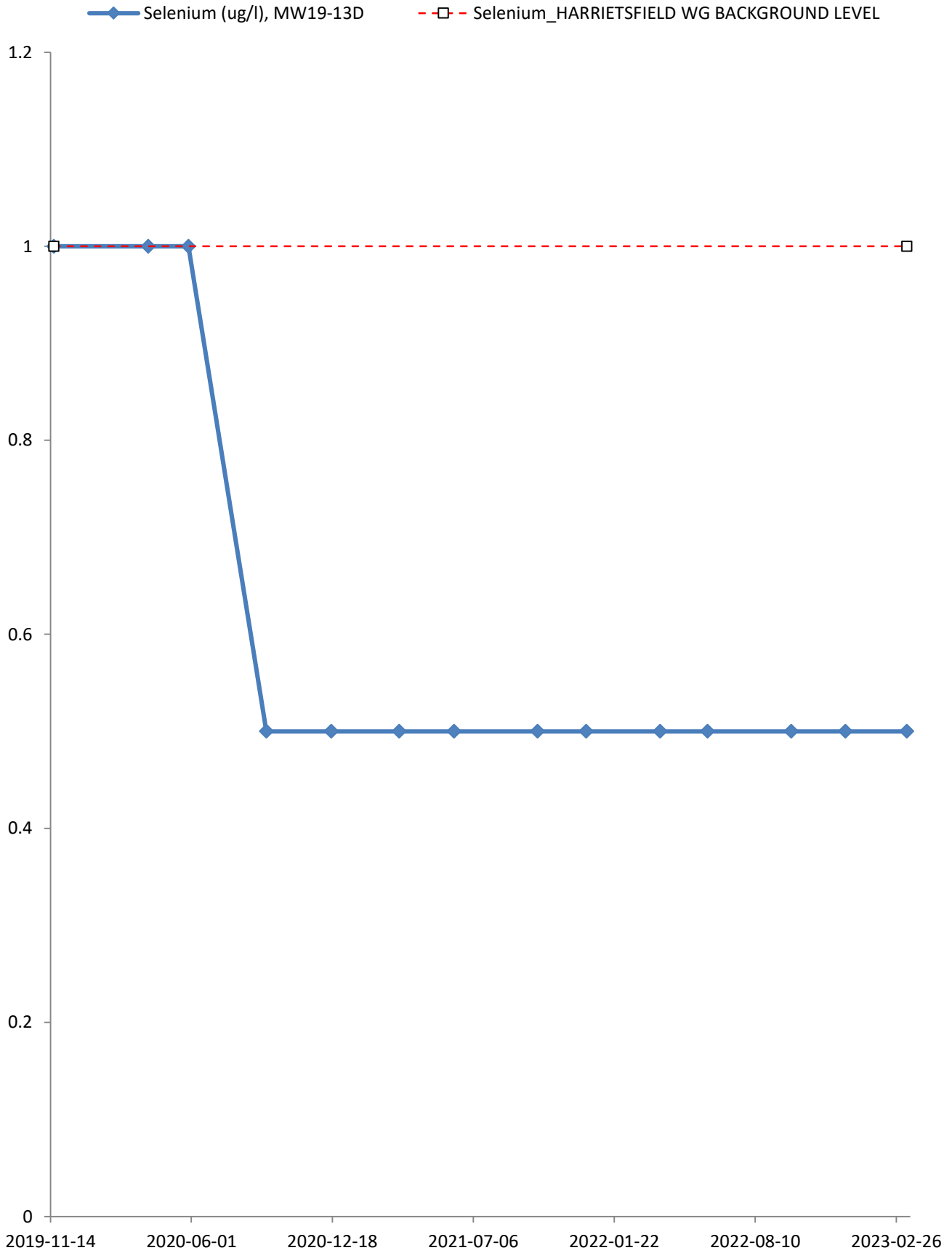


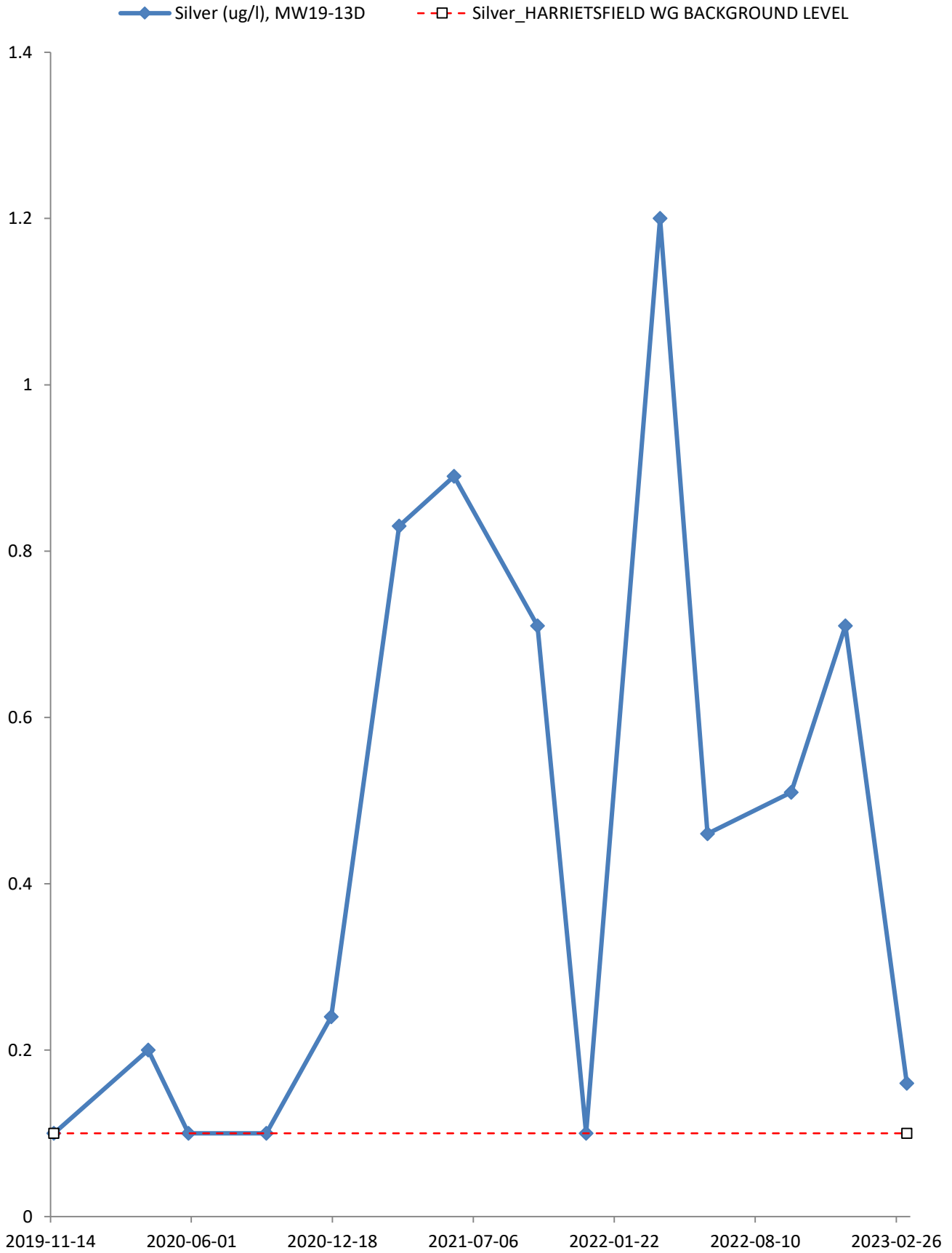
—◆— Saturation pH (at 20 C) (none), MW19-13D
- -□- - Saturation pH (at 20 C)_HARRIETSFIELD WG BACKGROUND LEVEL

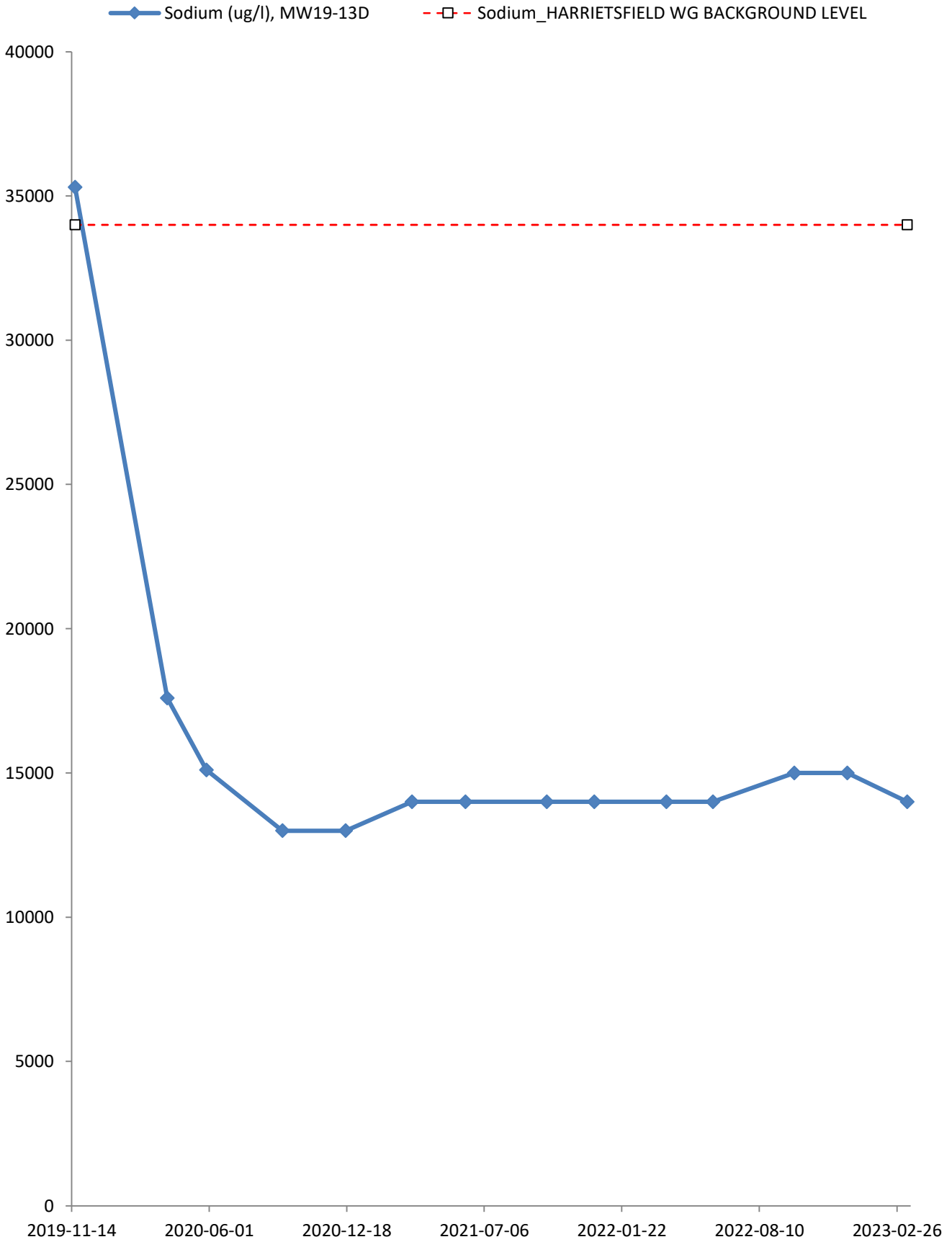


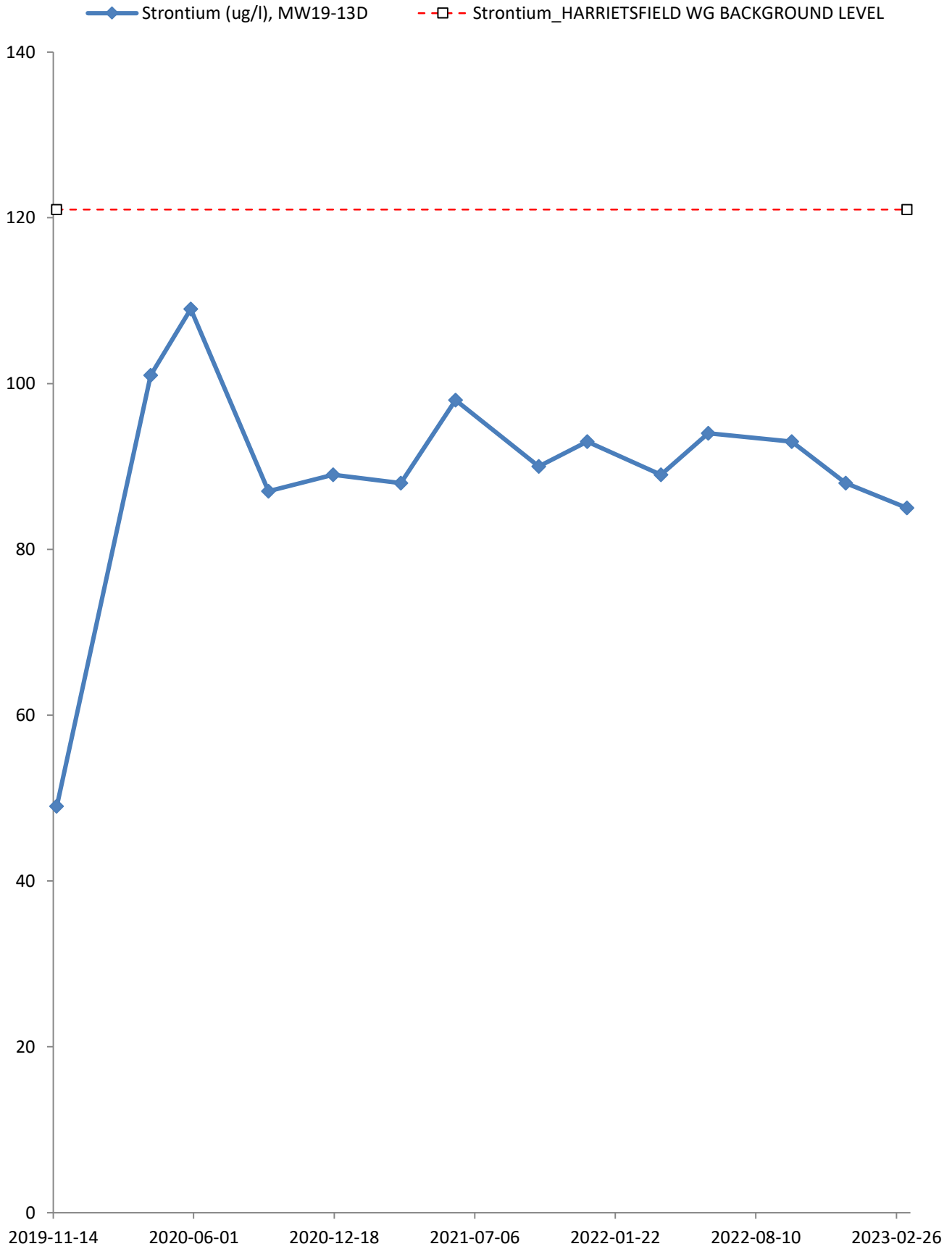
- ◆— Saturation pH (at 4 C) (none), MW19-13D
- - □ - - Saturation pH (at 4 C)_HARRIETSFIELD WG BACKGROUND LEVEL

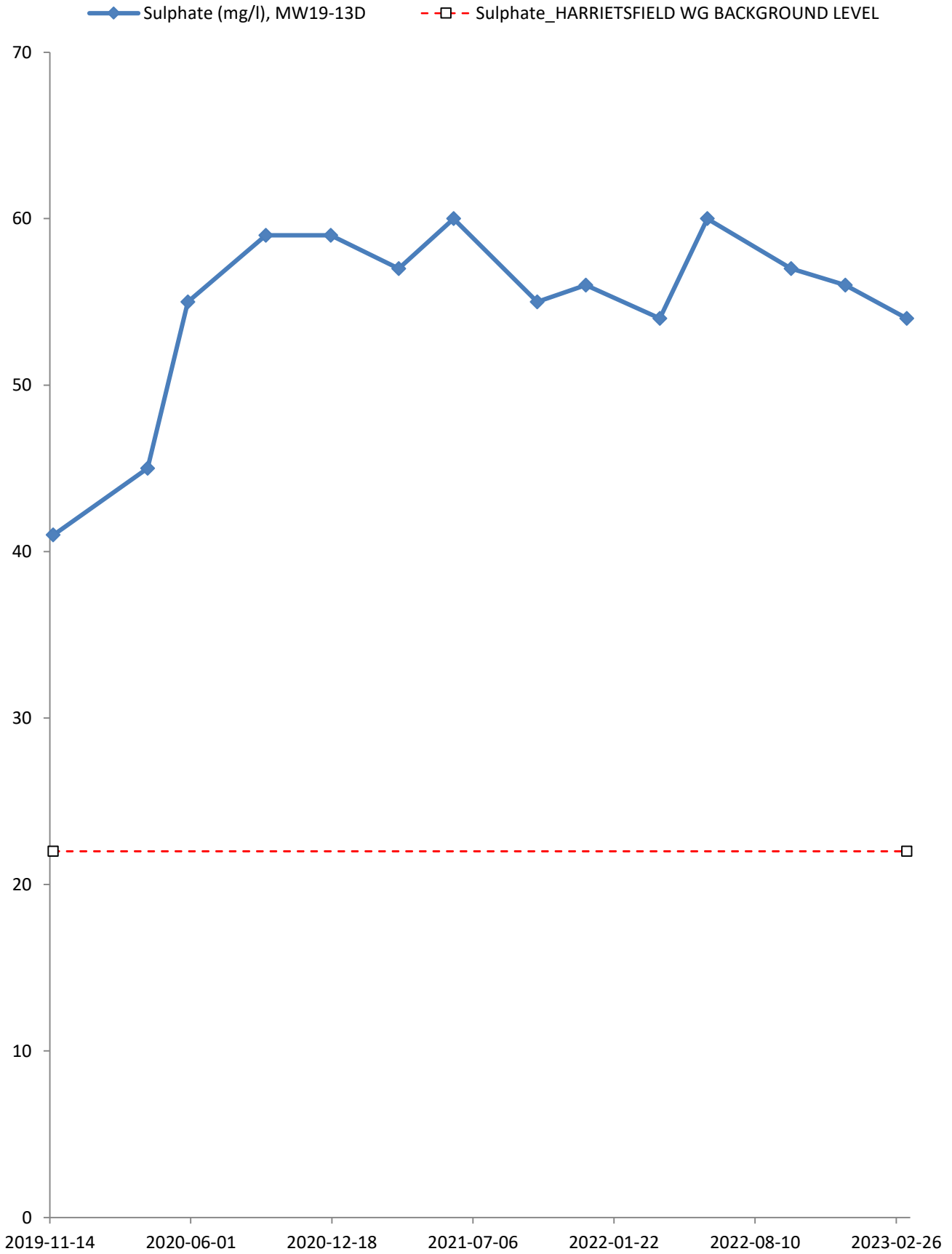


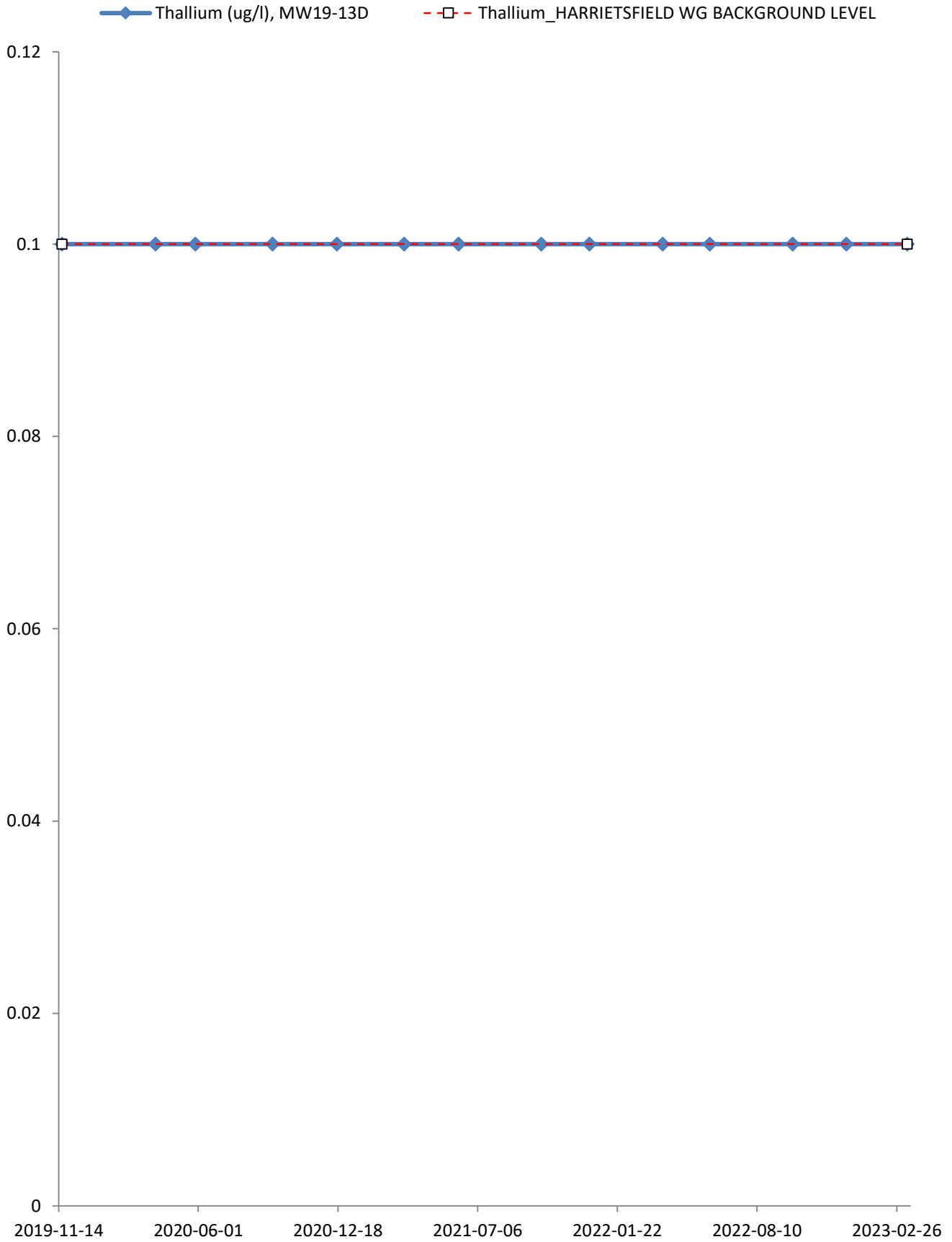


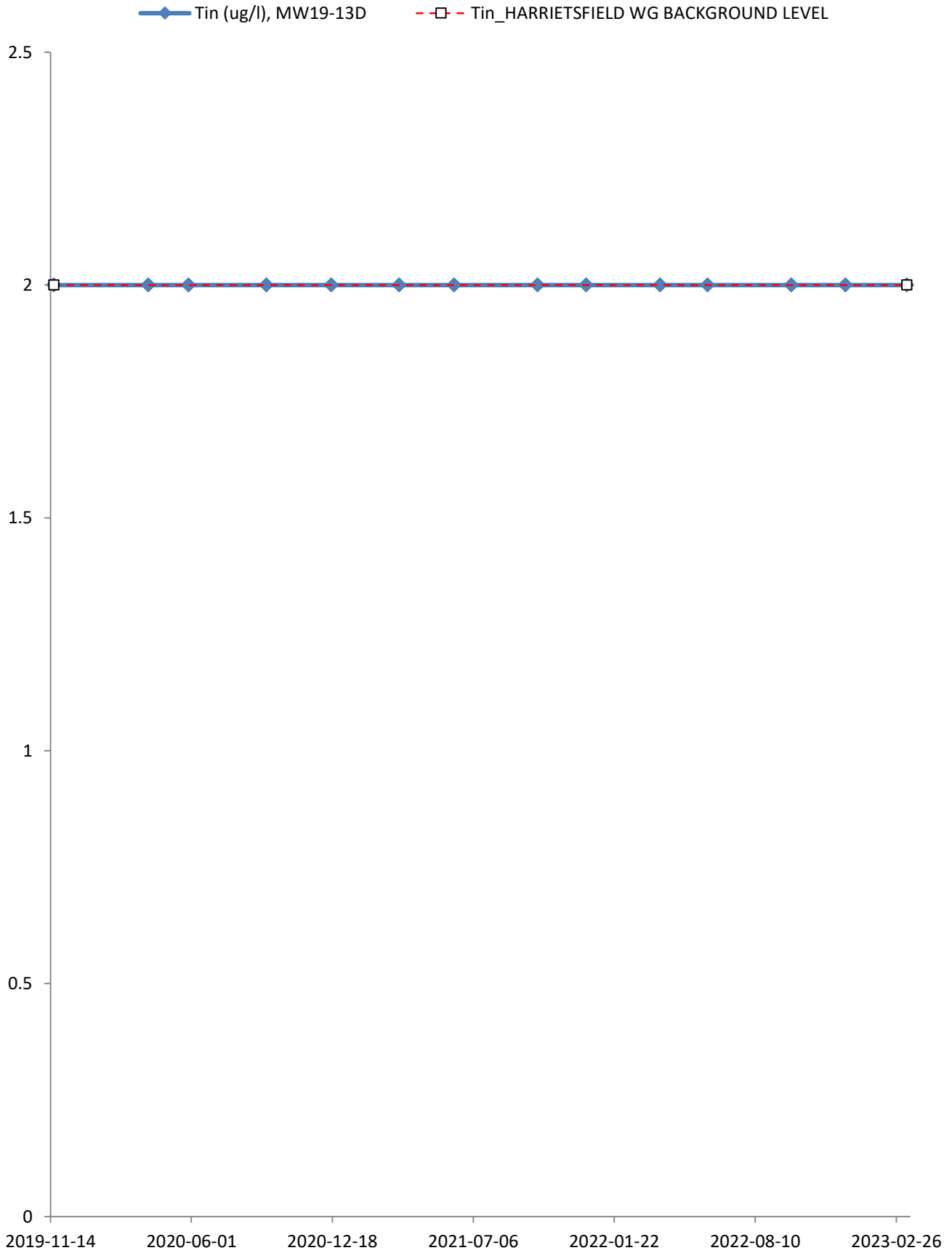


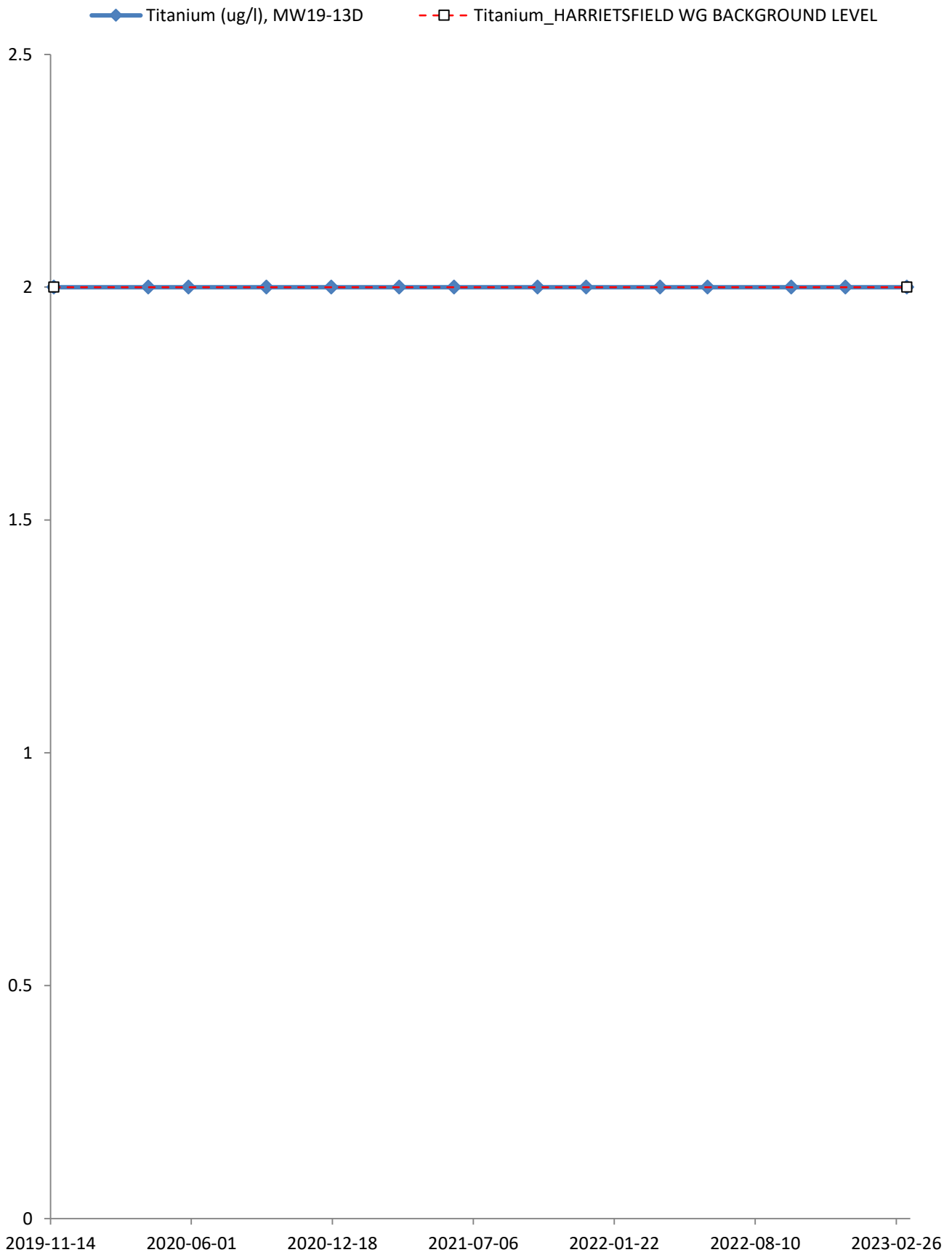


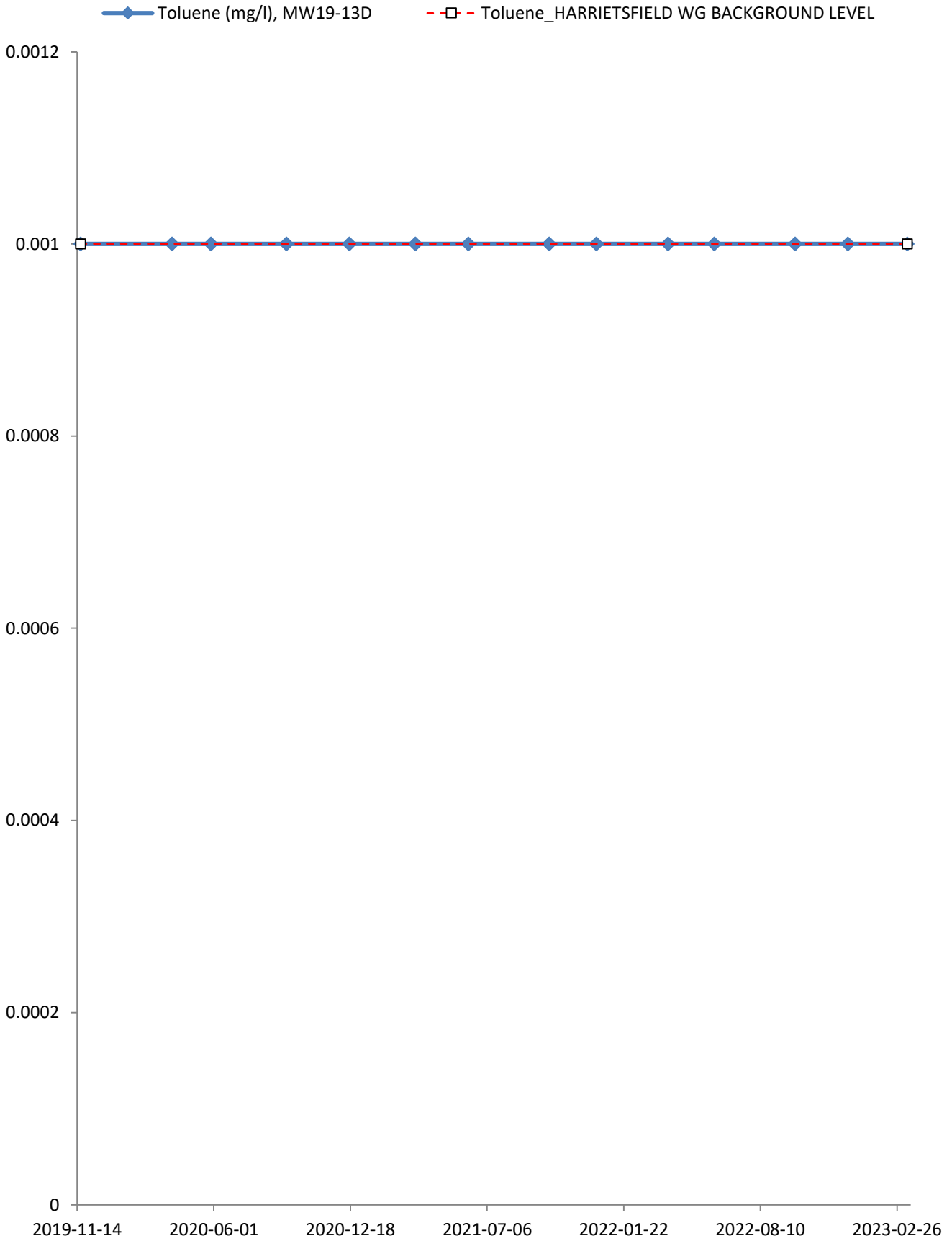




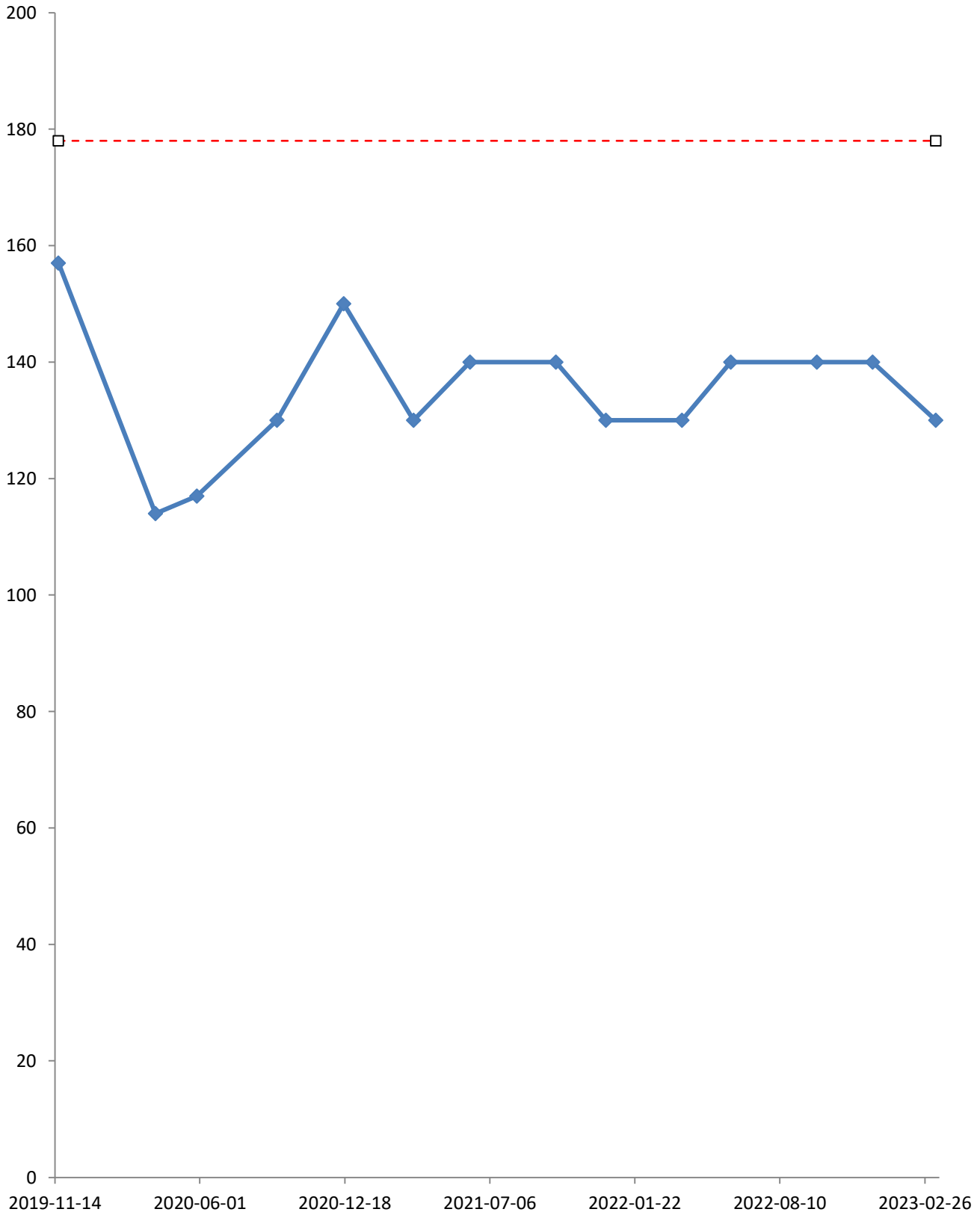




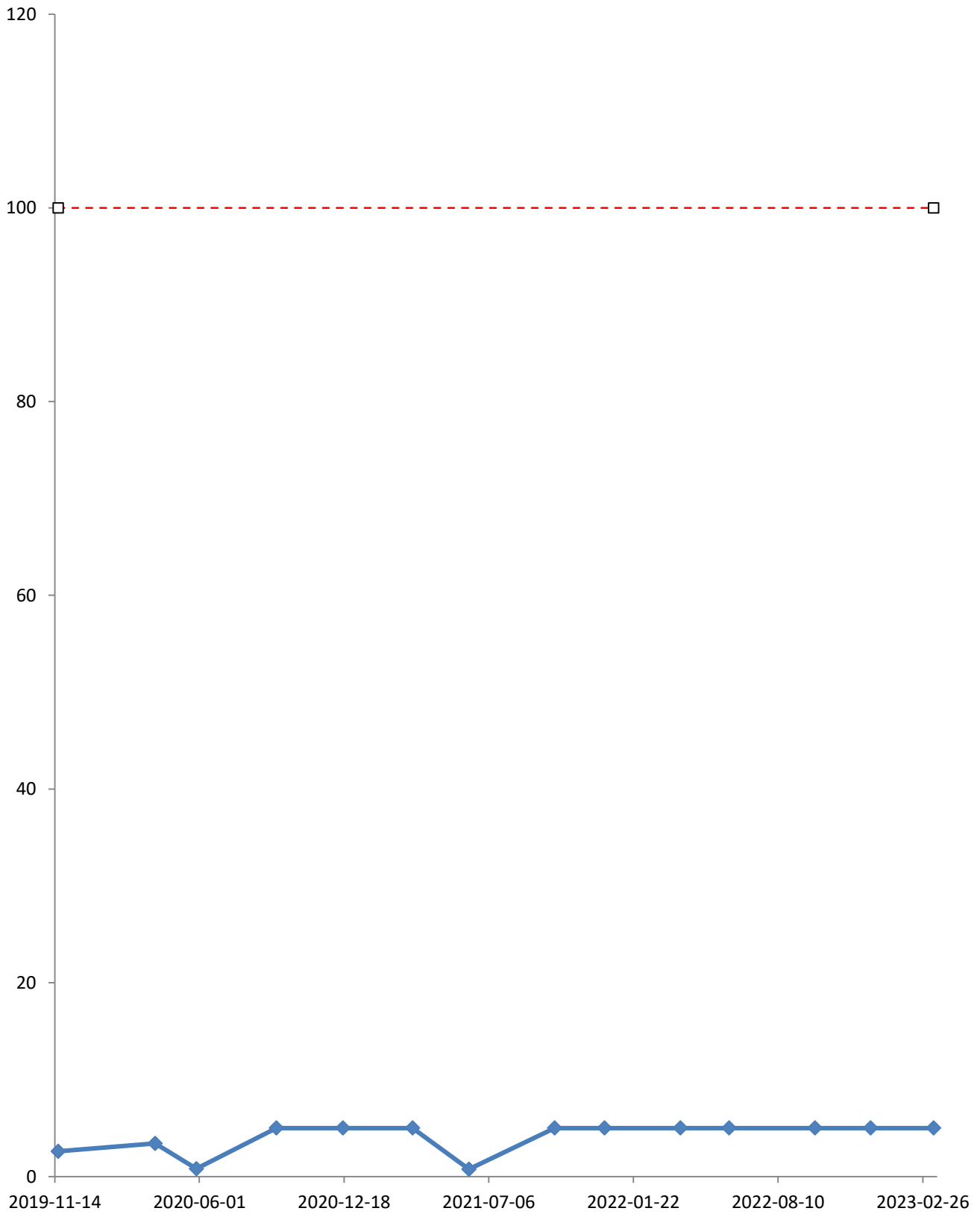


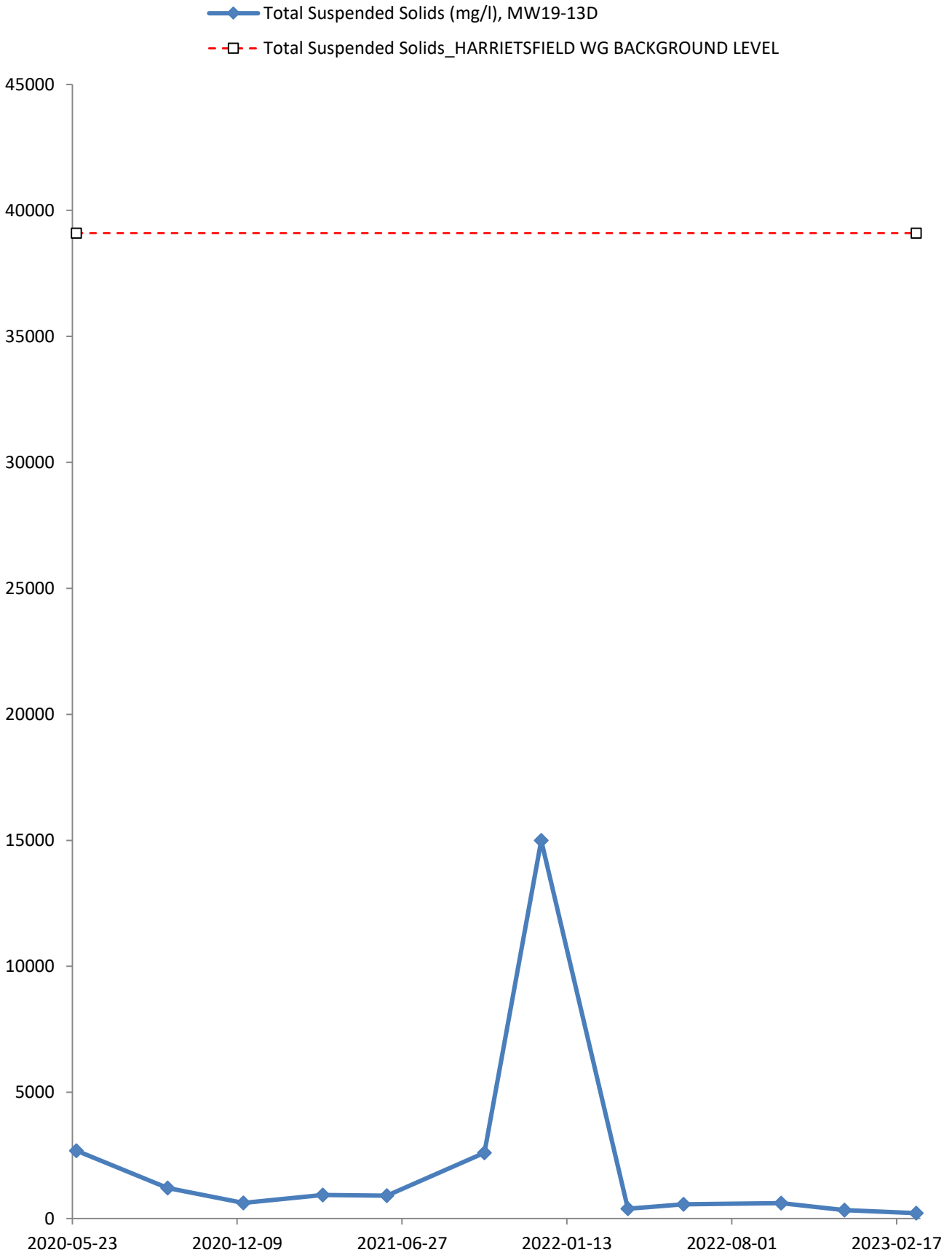


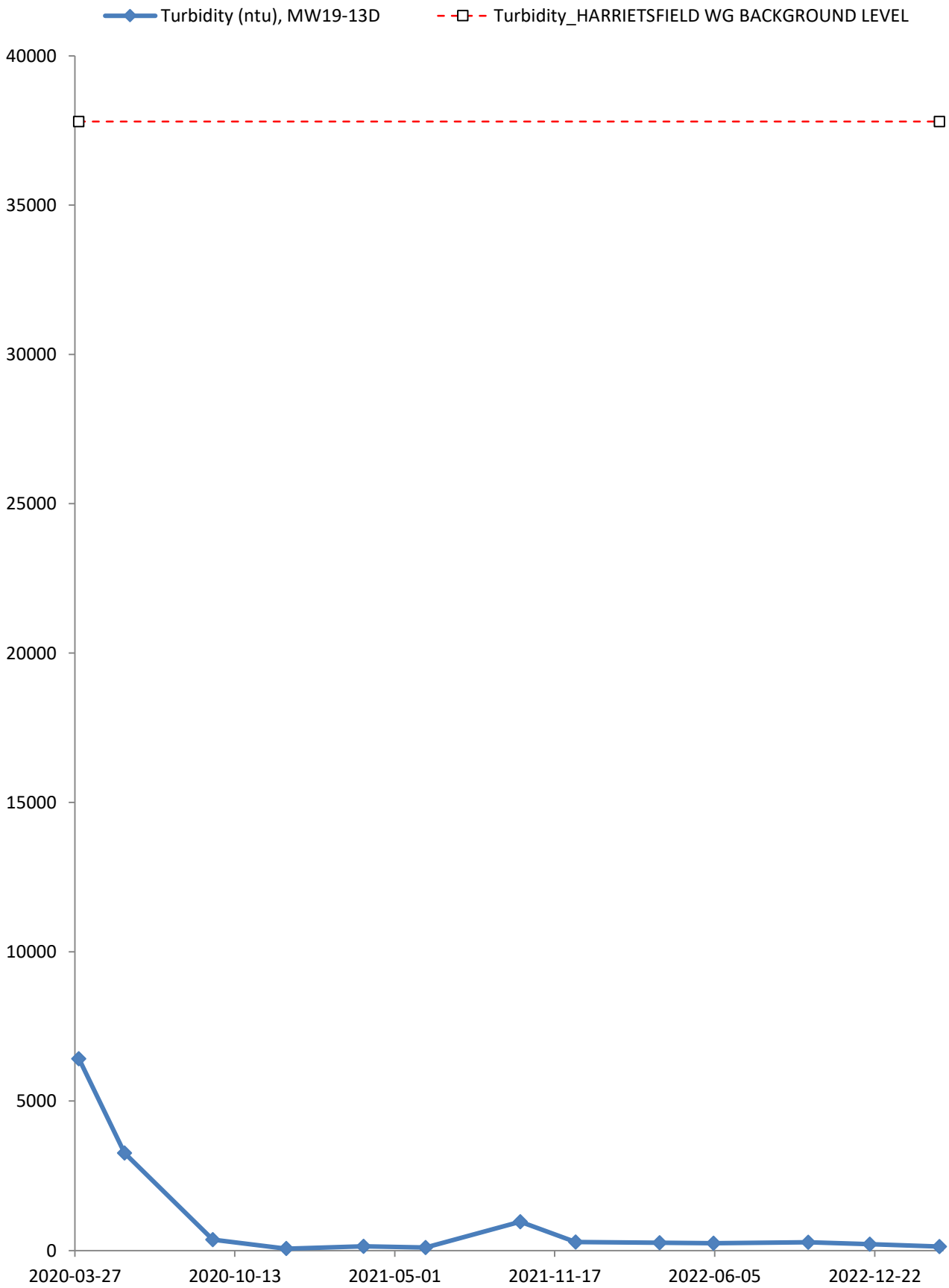
—◆— Total Diss Solids (Lab) (mg/l), MW19-13D
- -□- - Total Diss Solids (Lab)_HARRIETSFIELD WG BACKGROUND LEVEL

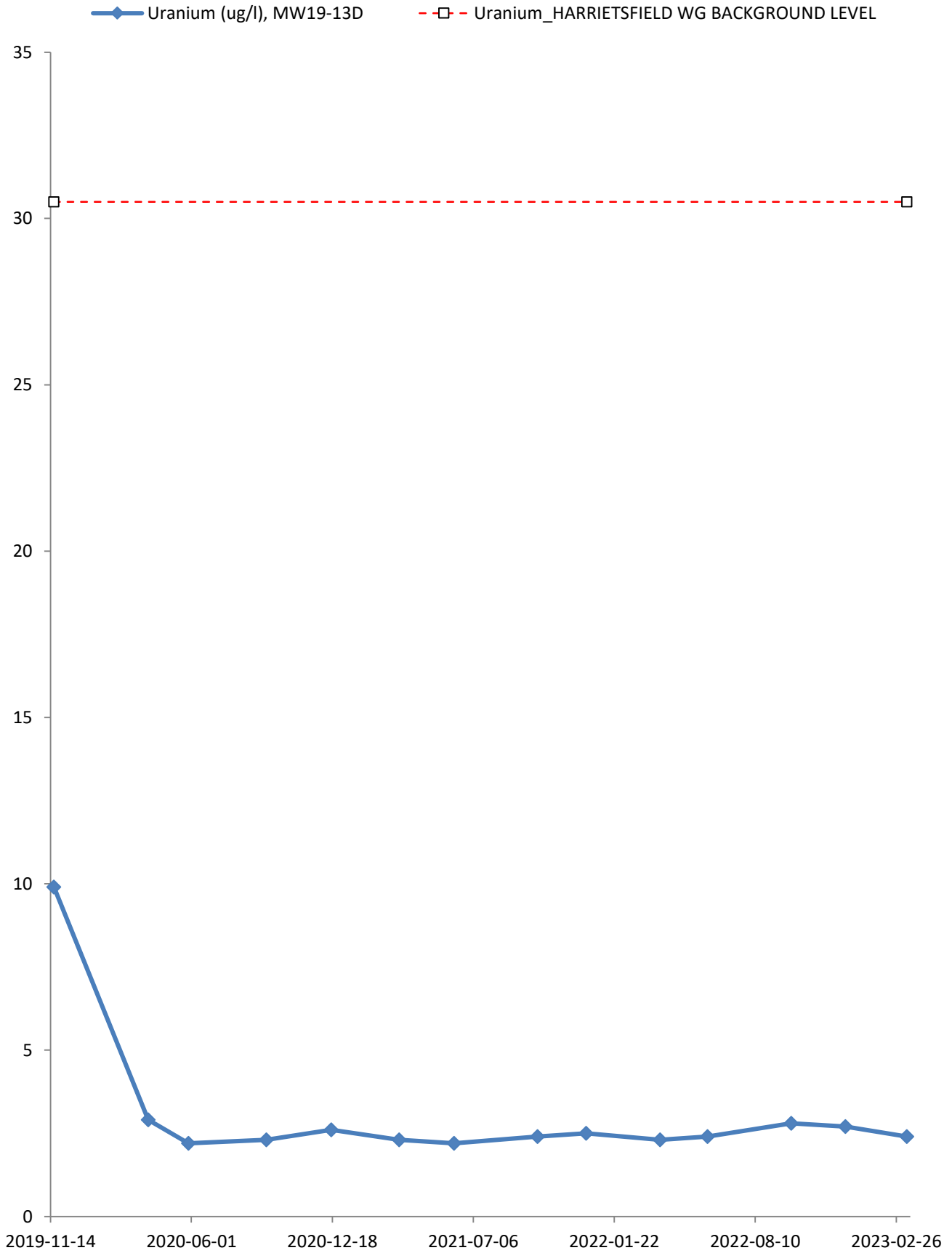


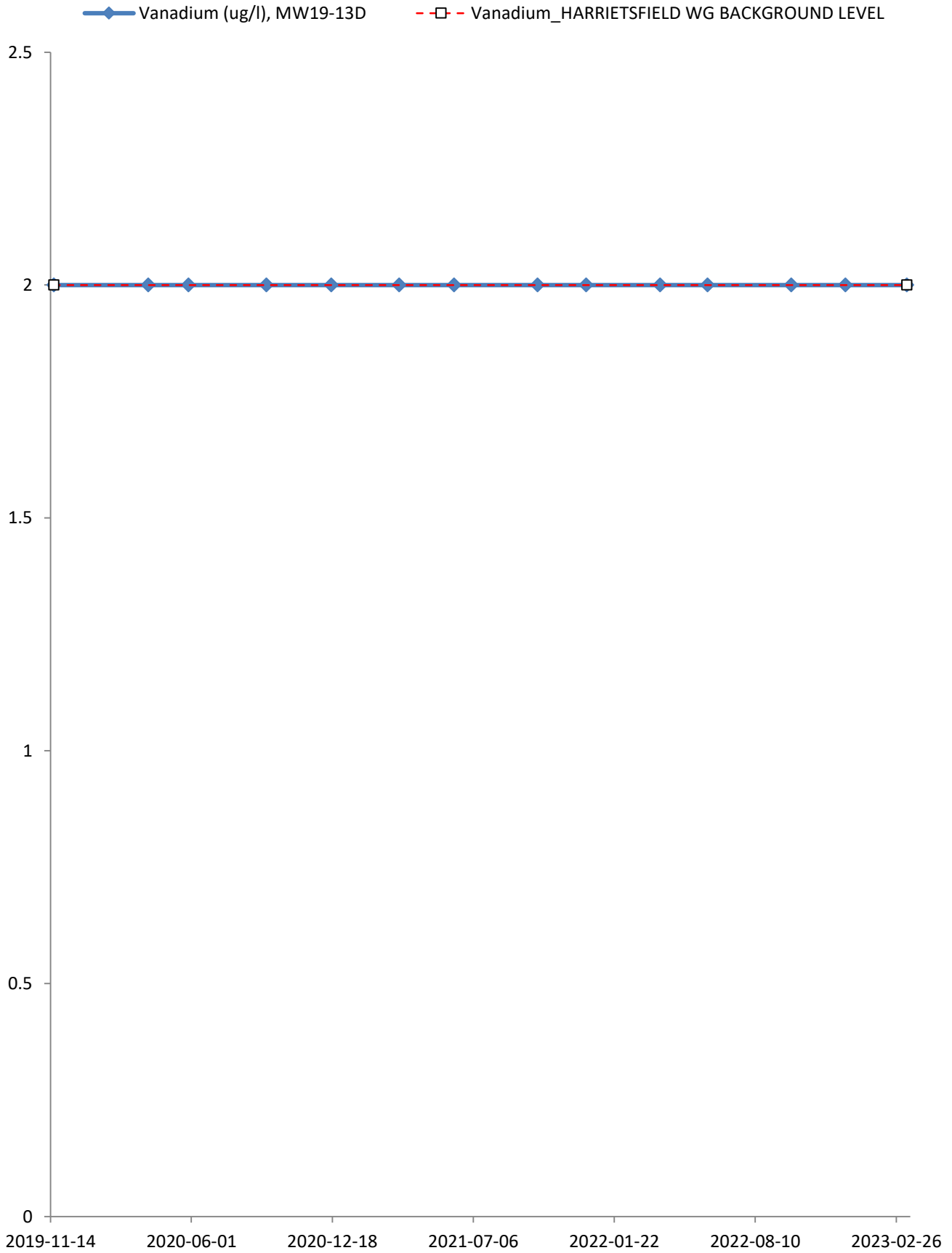
—◆— Total Organic Carbon (mg/l), MW19-13D
- -□- - Total Organic Carbon_HARRIETSFIELD WG BACKGROUND LEVEL

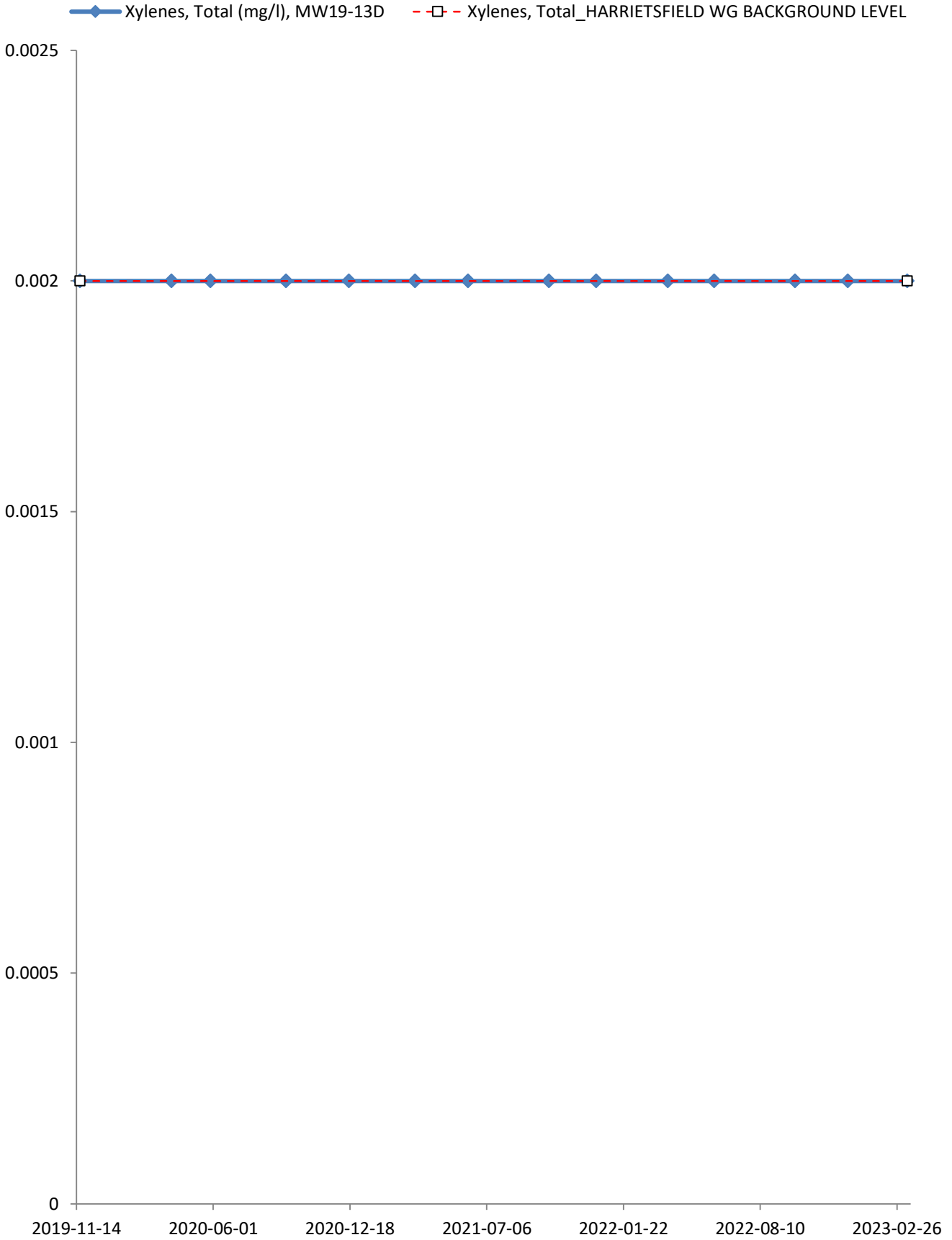


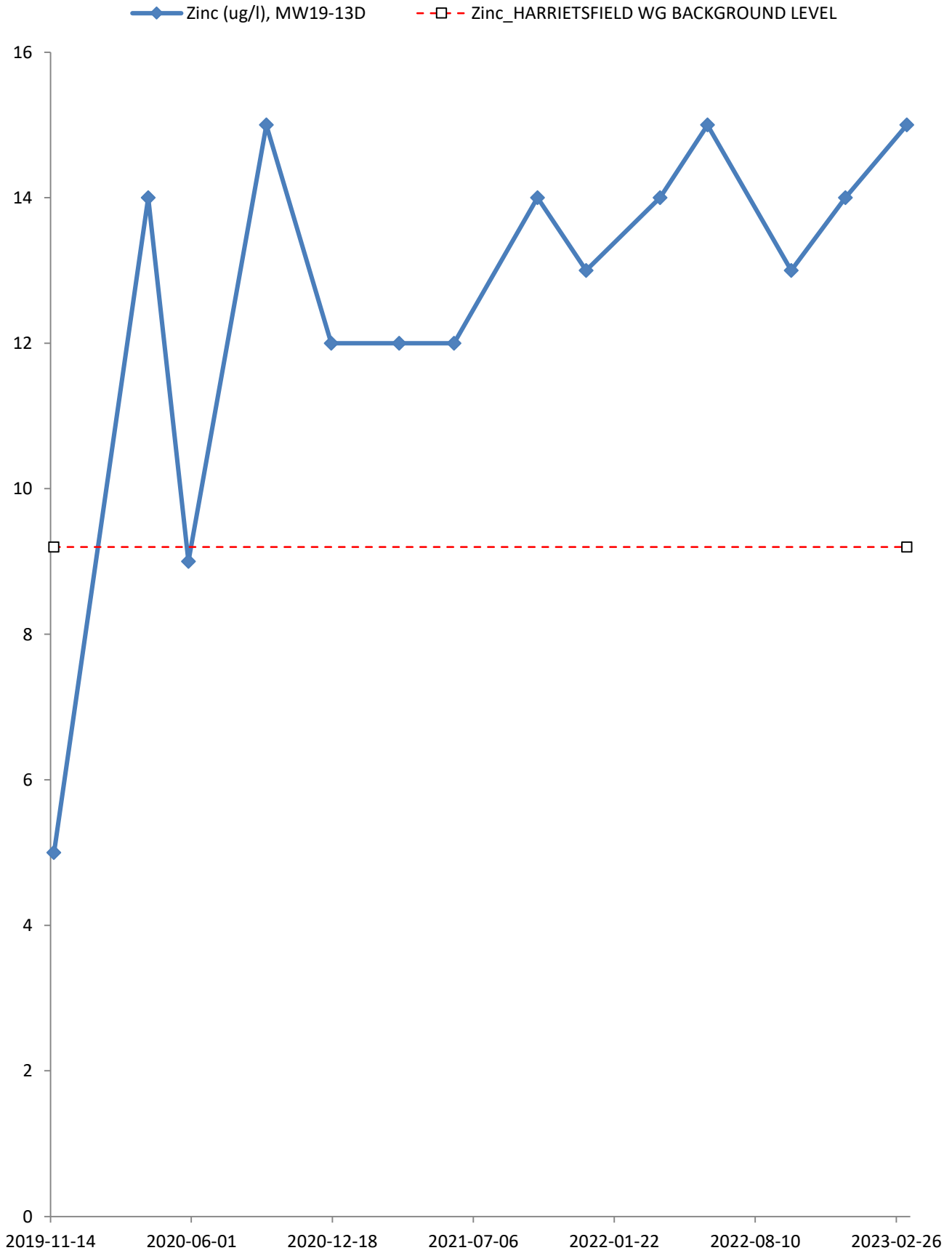




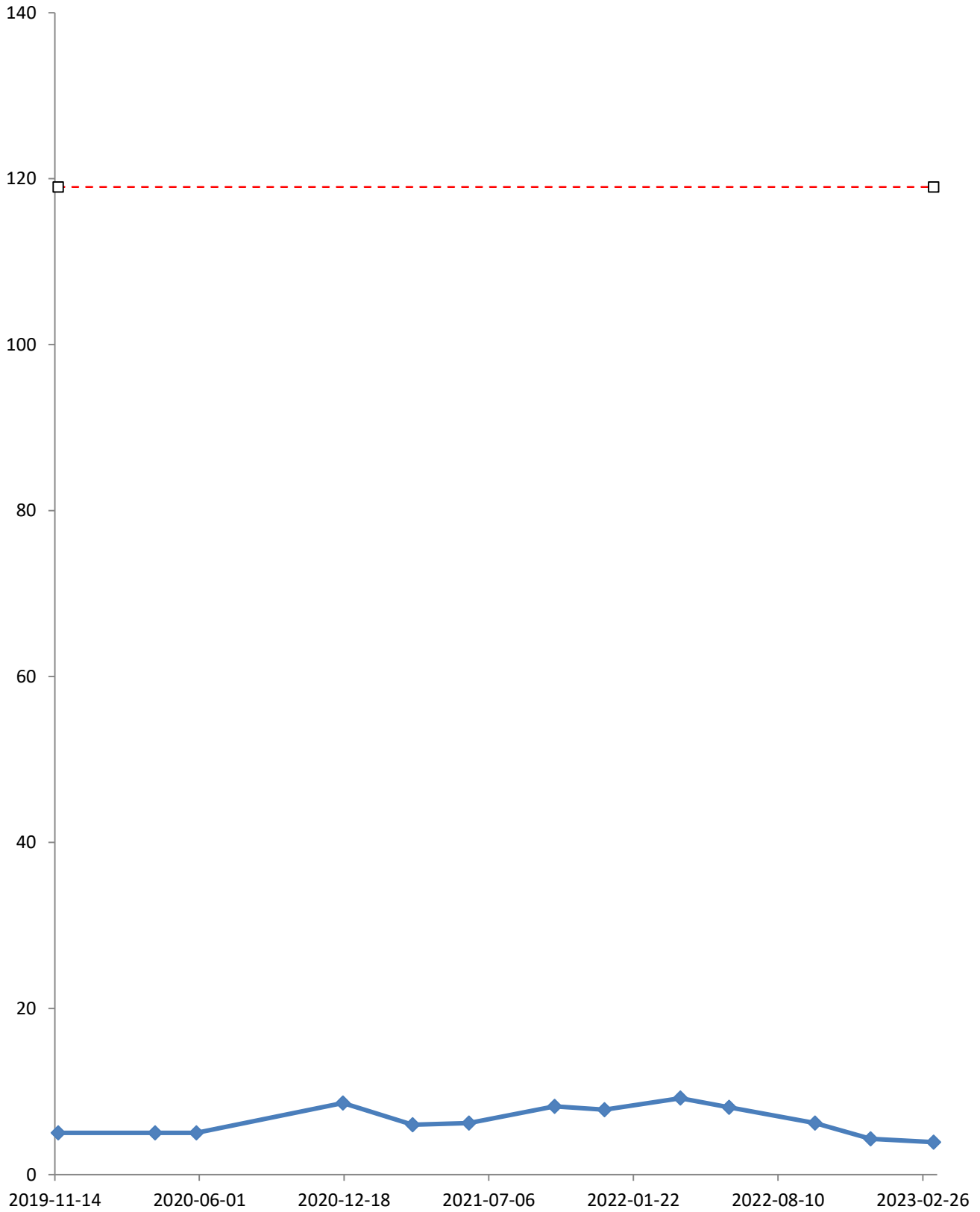




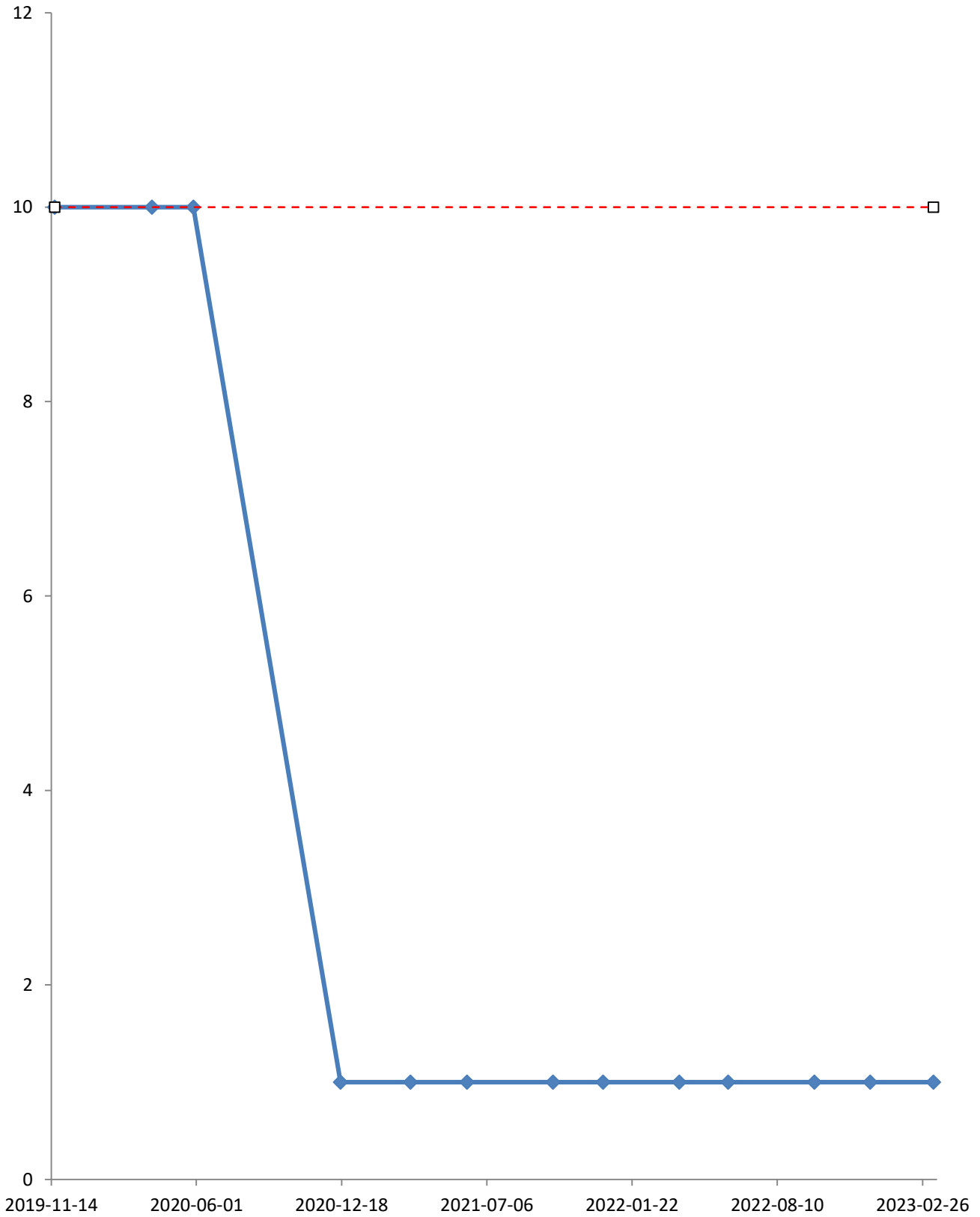




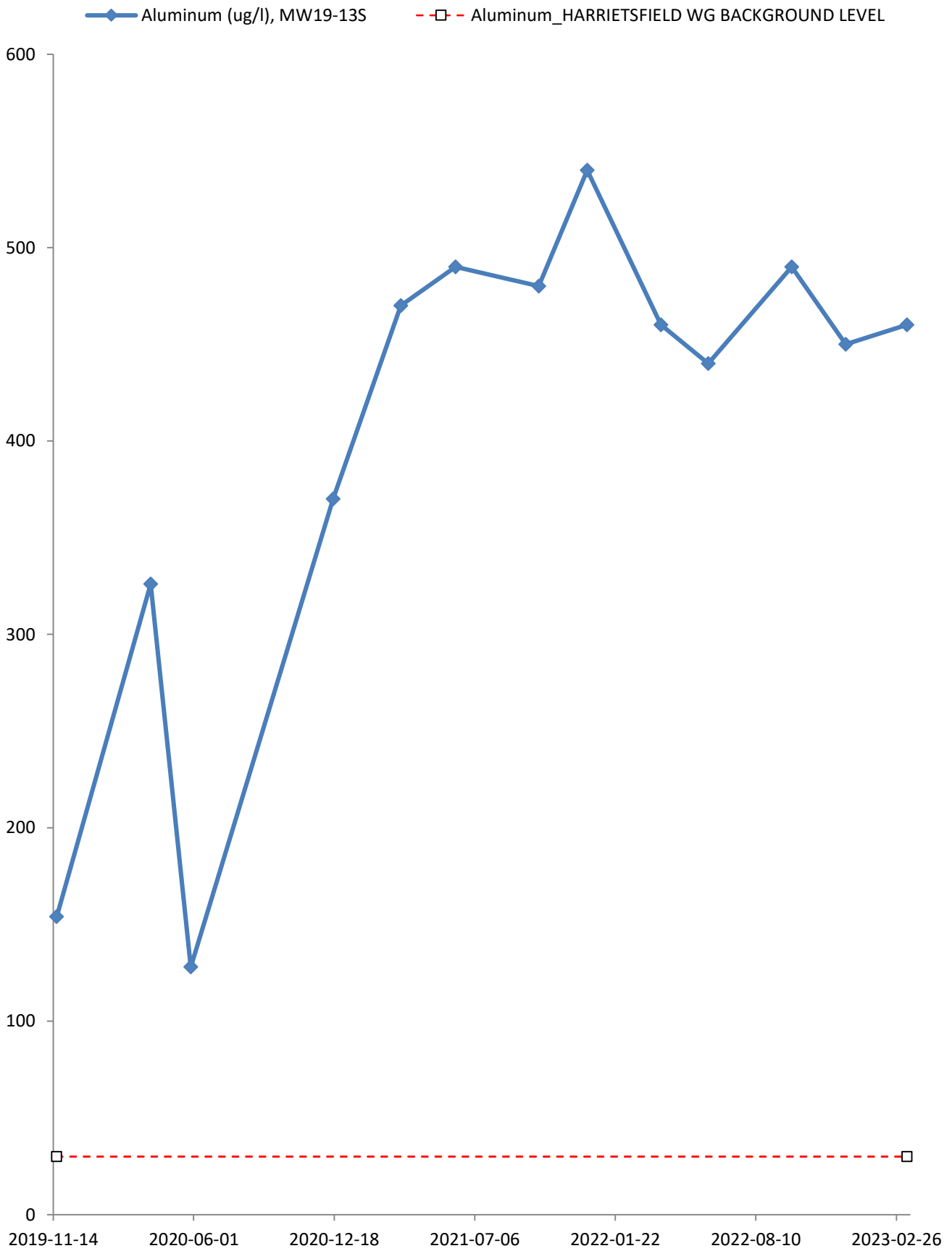
—◆— Alkalinity, Bicarbonate (mg/l), MW19-13S
- -□- Alkalinity, Bicarbonate_HARRIETSFIELD WG BACKGROUND LEVEL

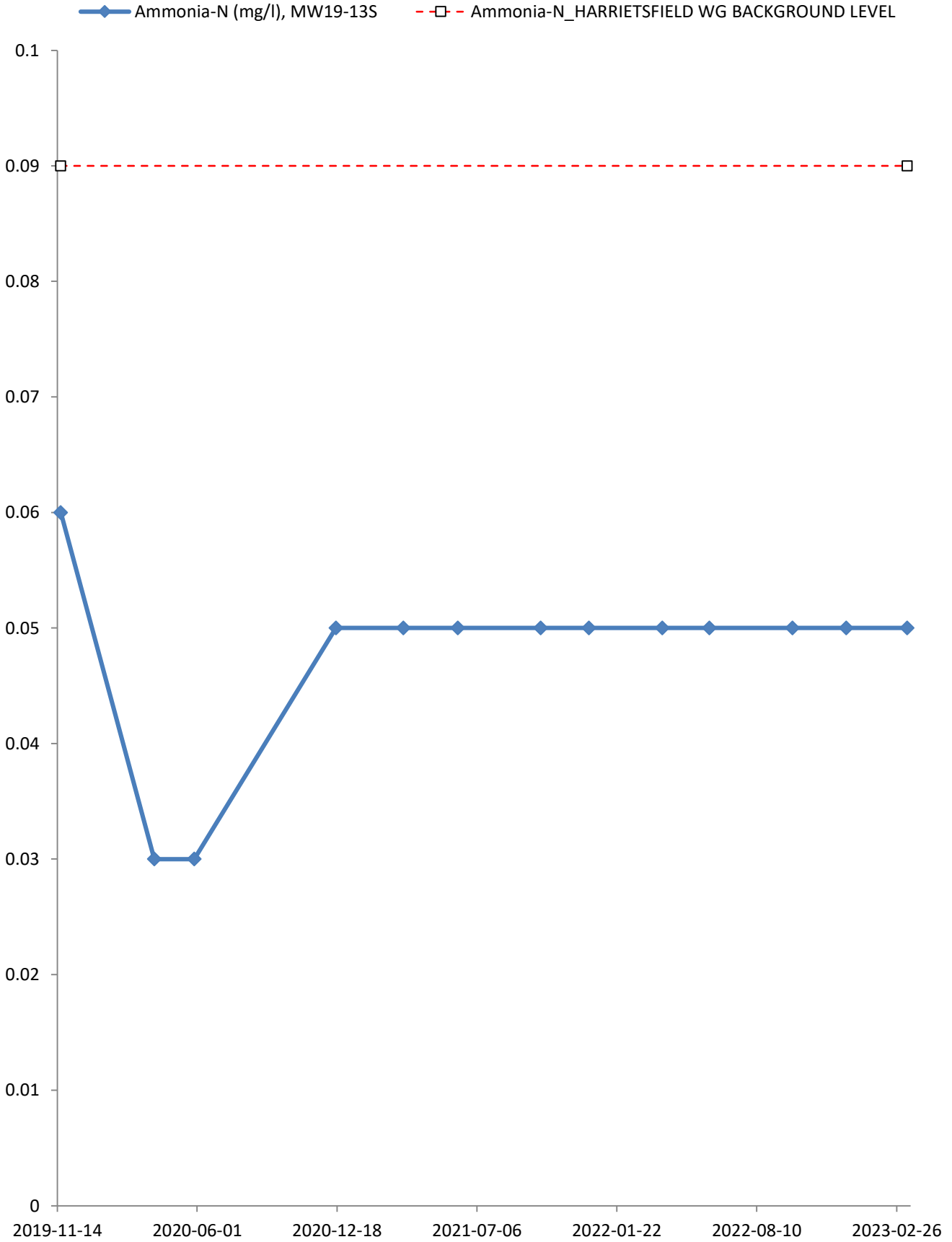


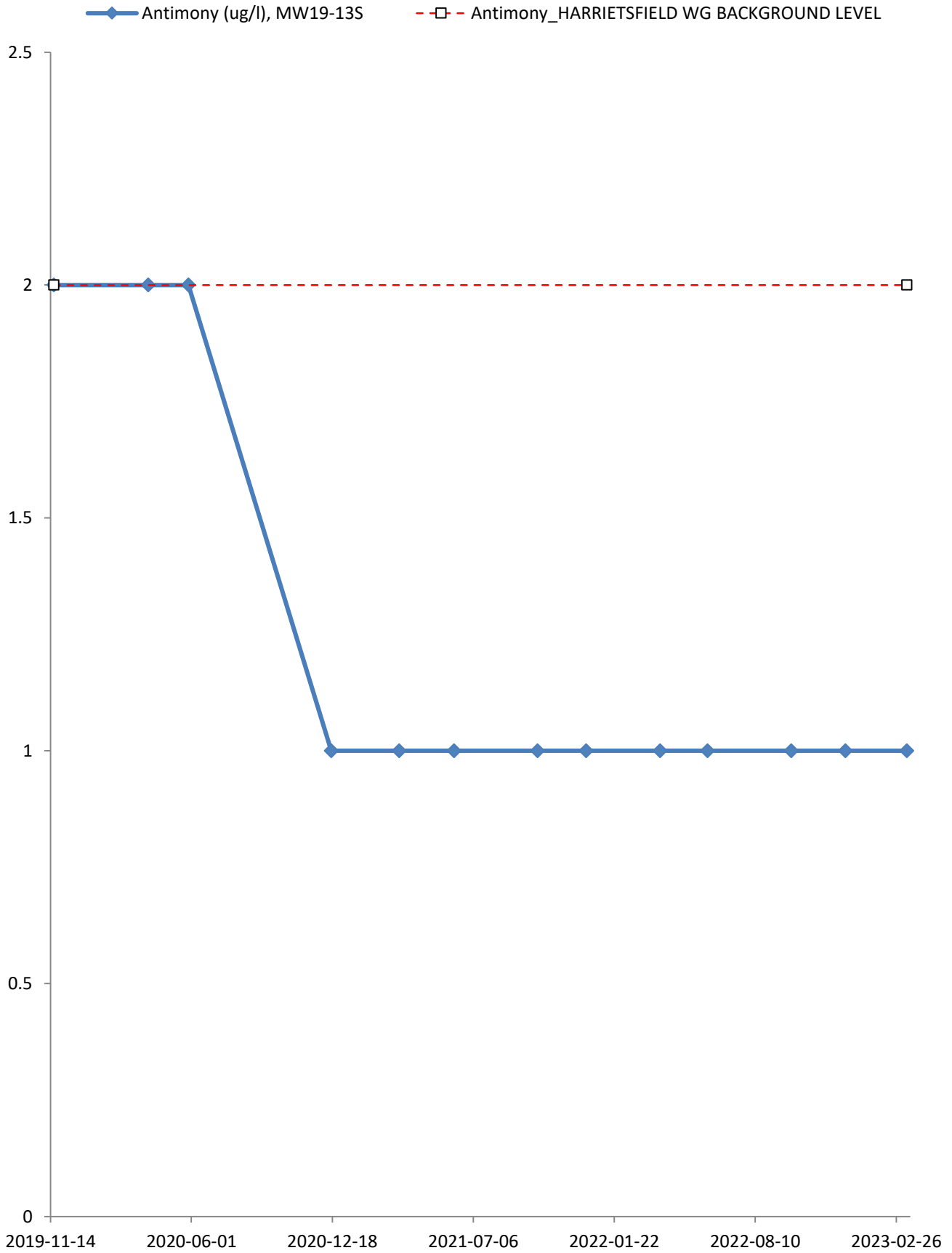
—◆— Alkalinity, Carbonate (mg/l), MW19-13S
- -□- - Alkalinity, Carbonate_HARRIETSFIELD WG BACKGROUND LEVEL

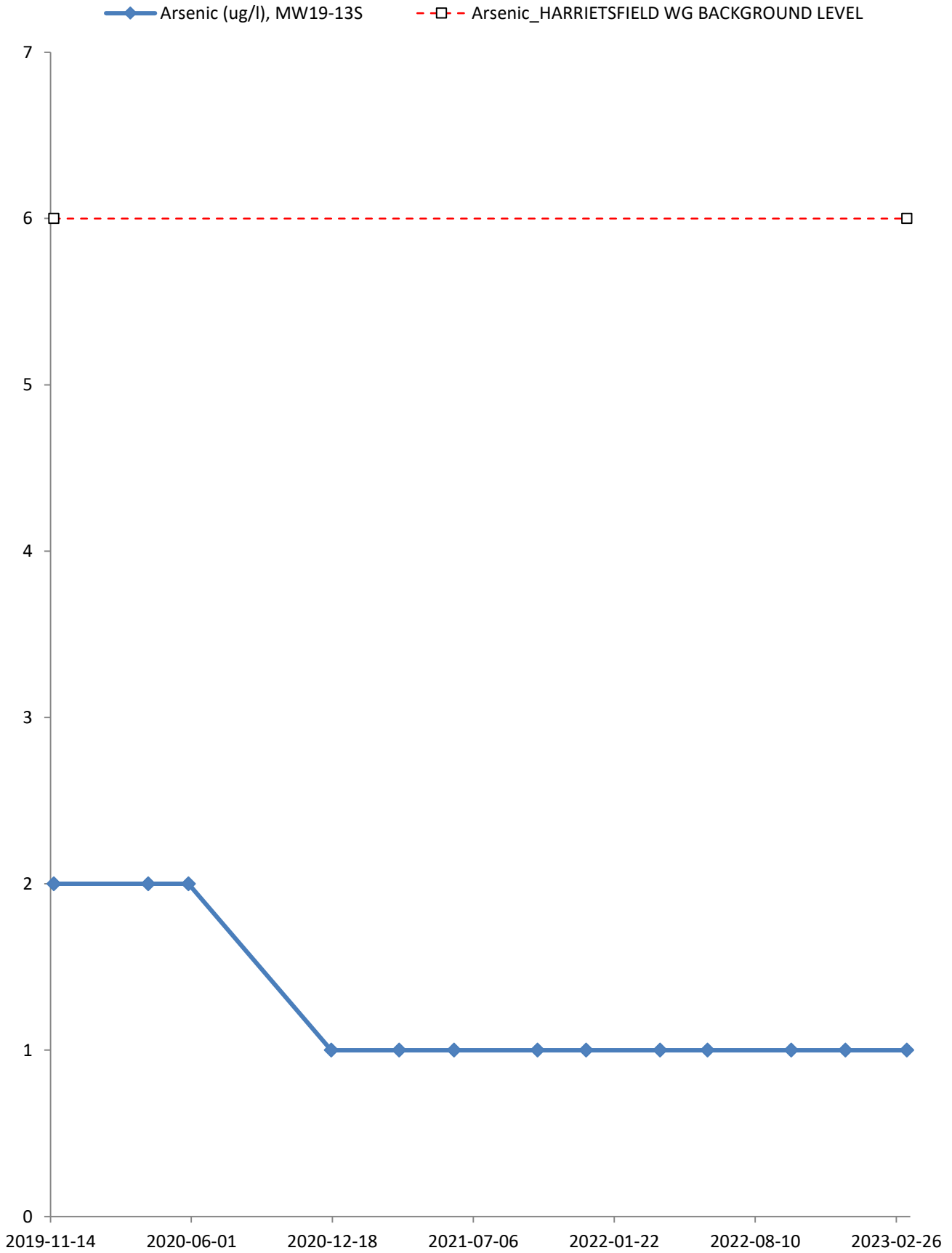


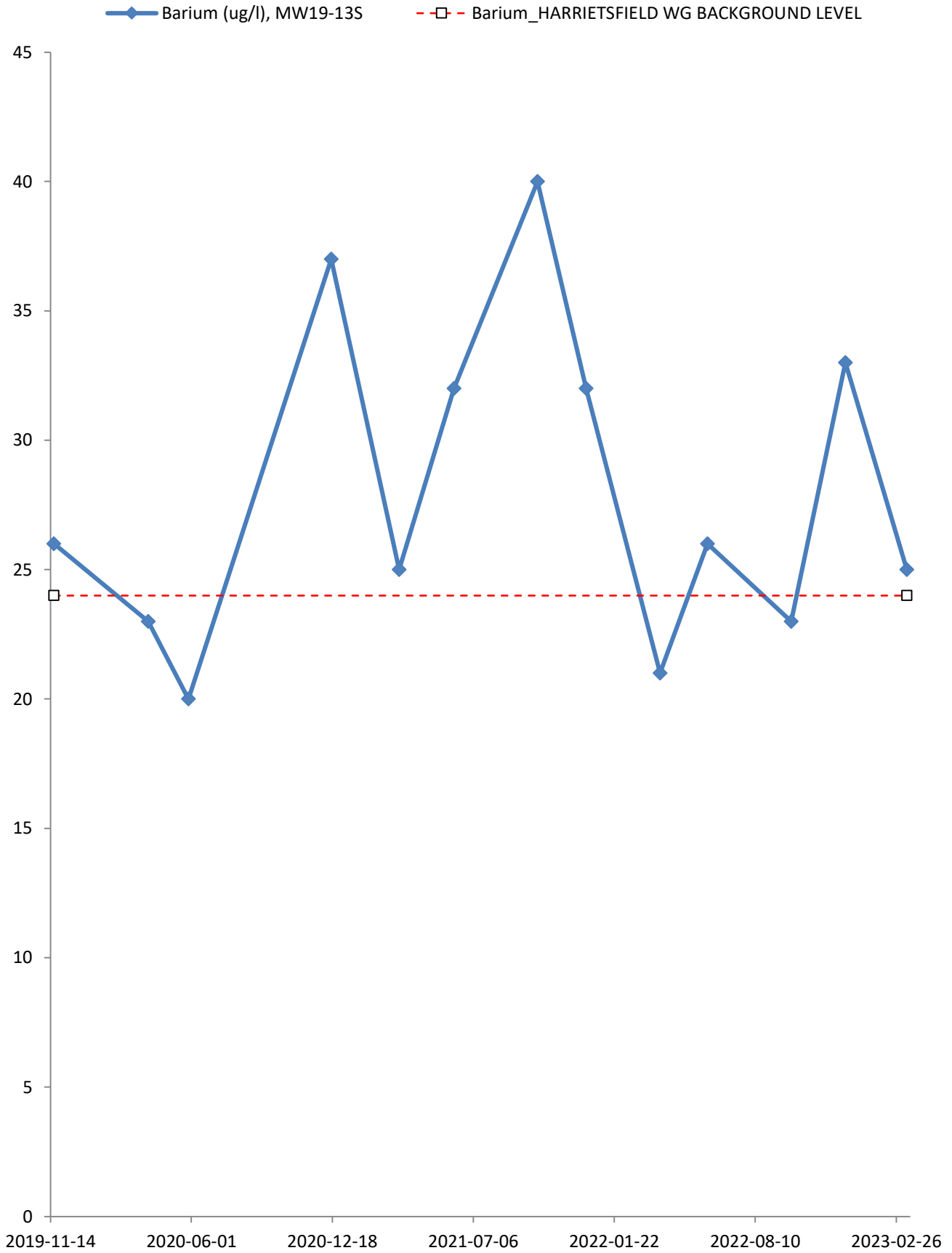


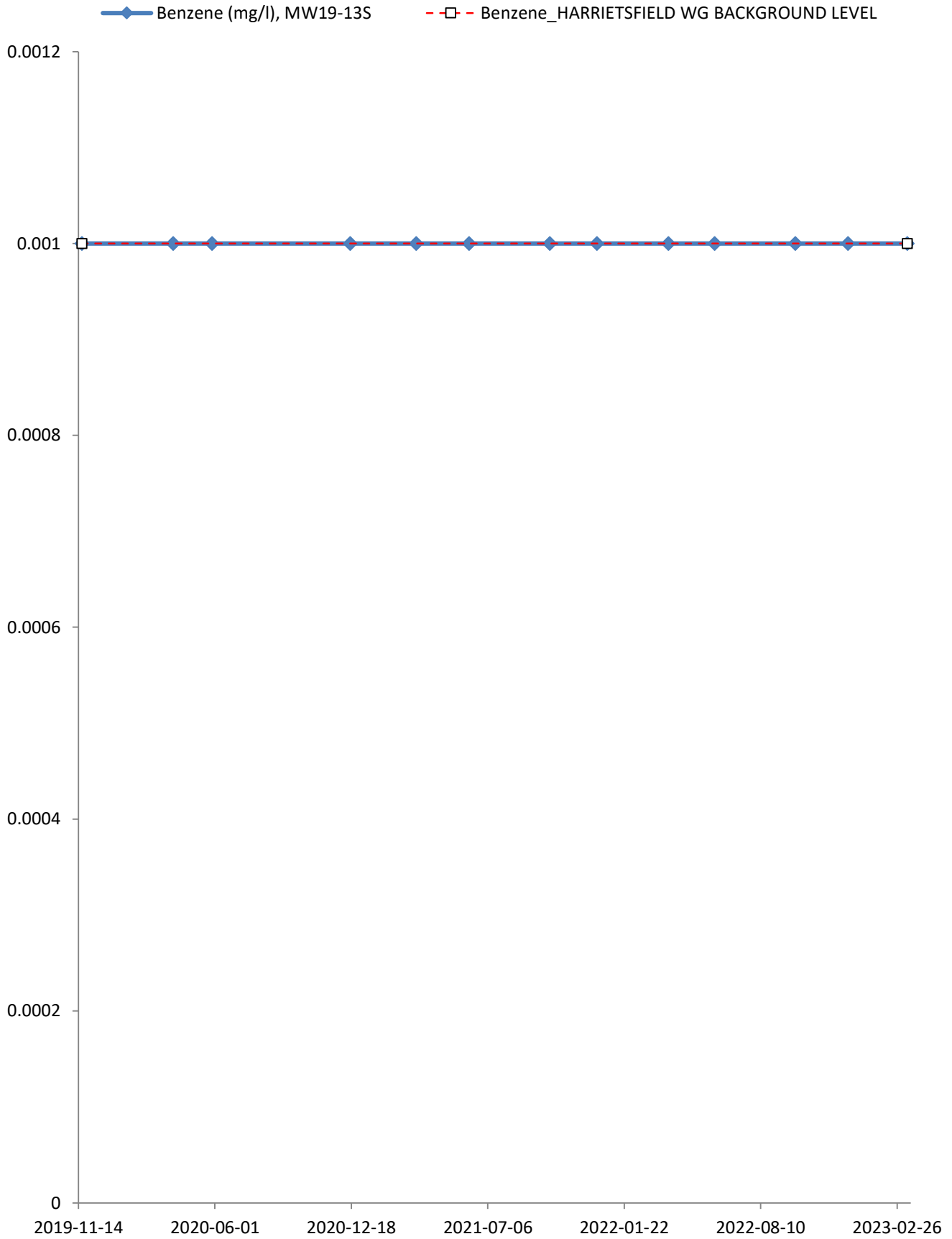


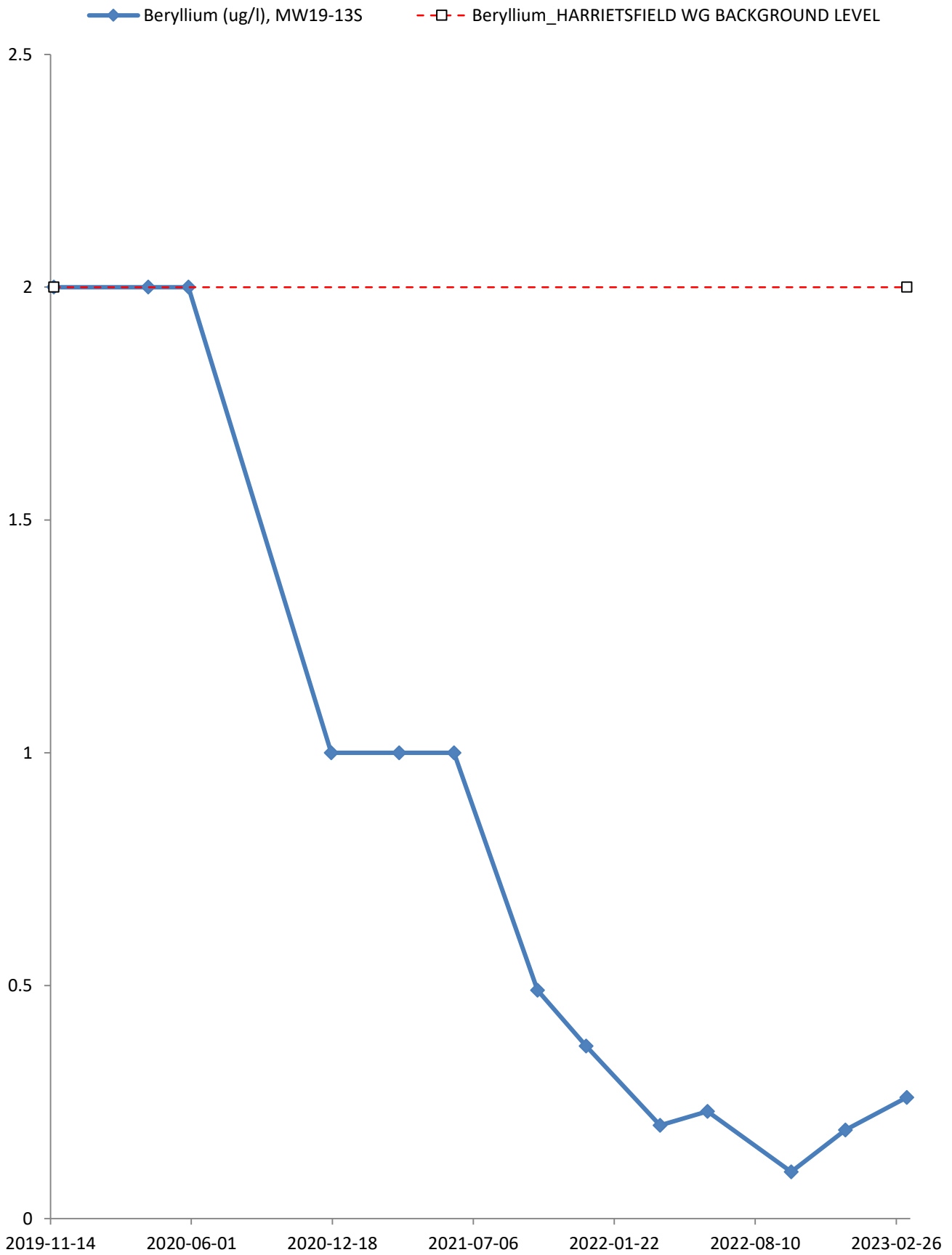


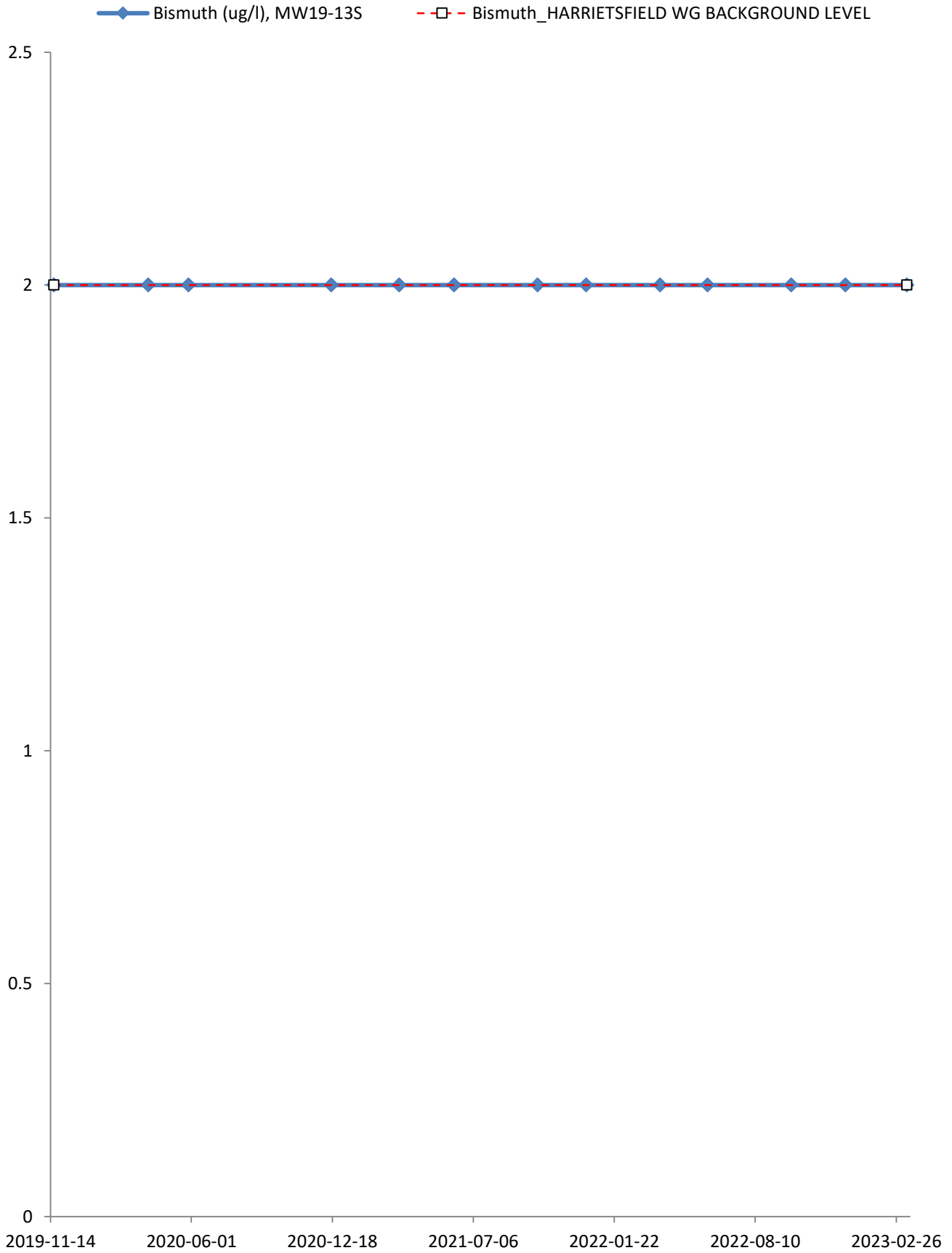


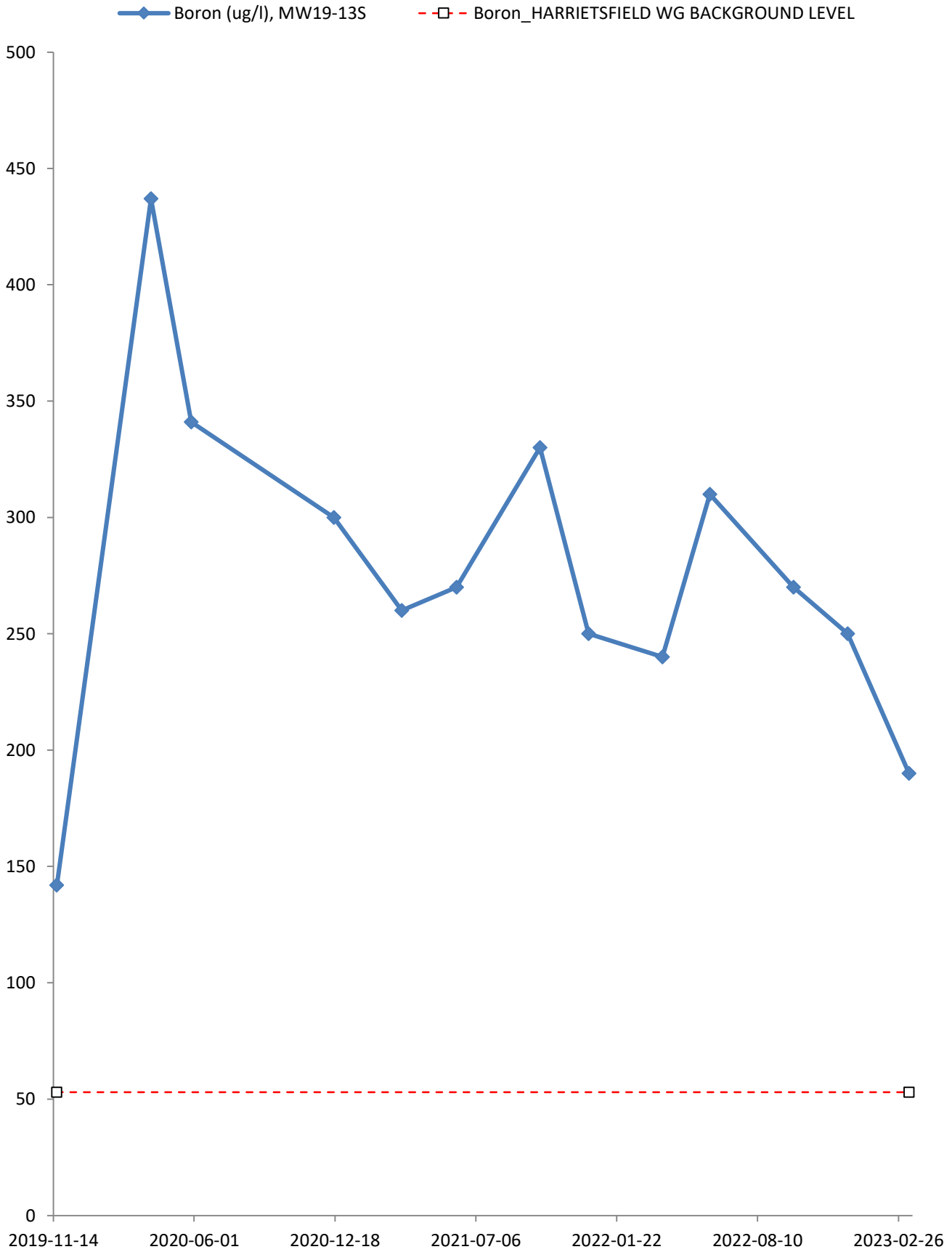


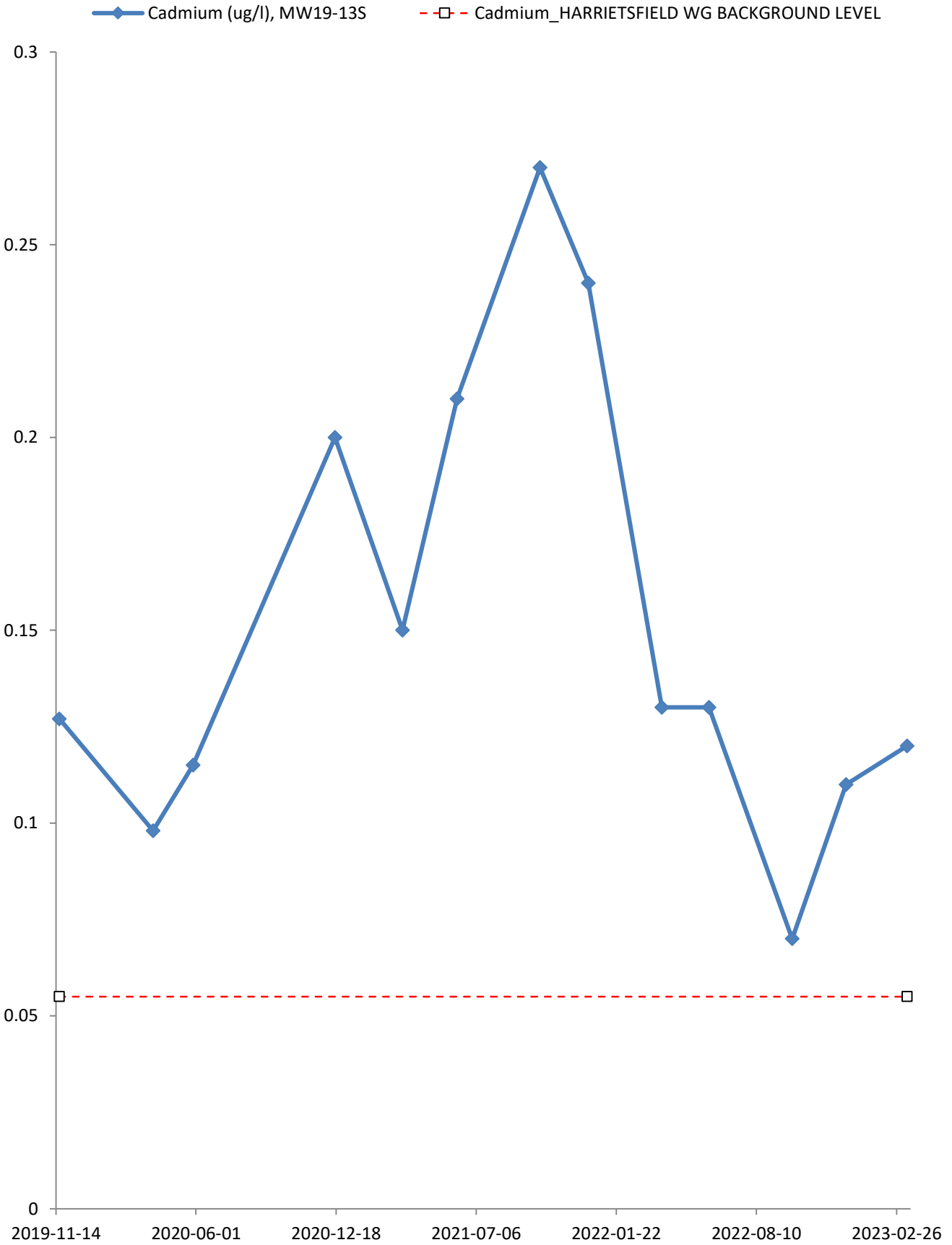


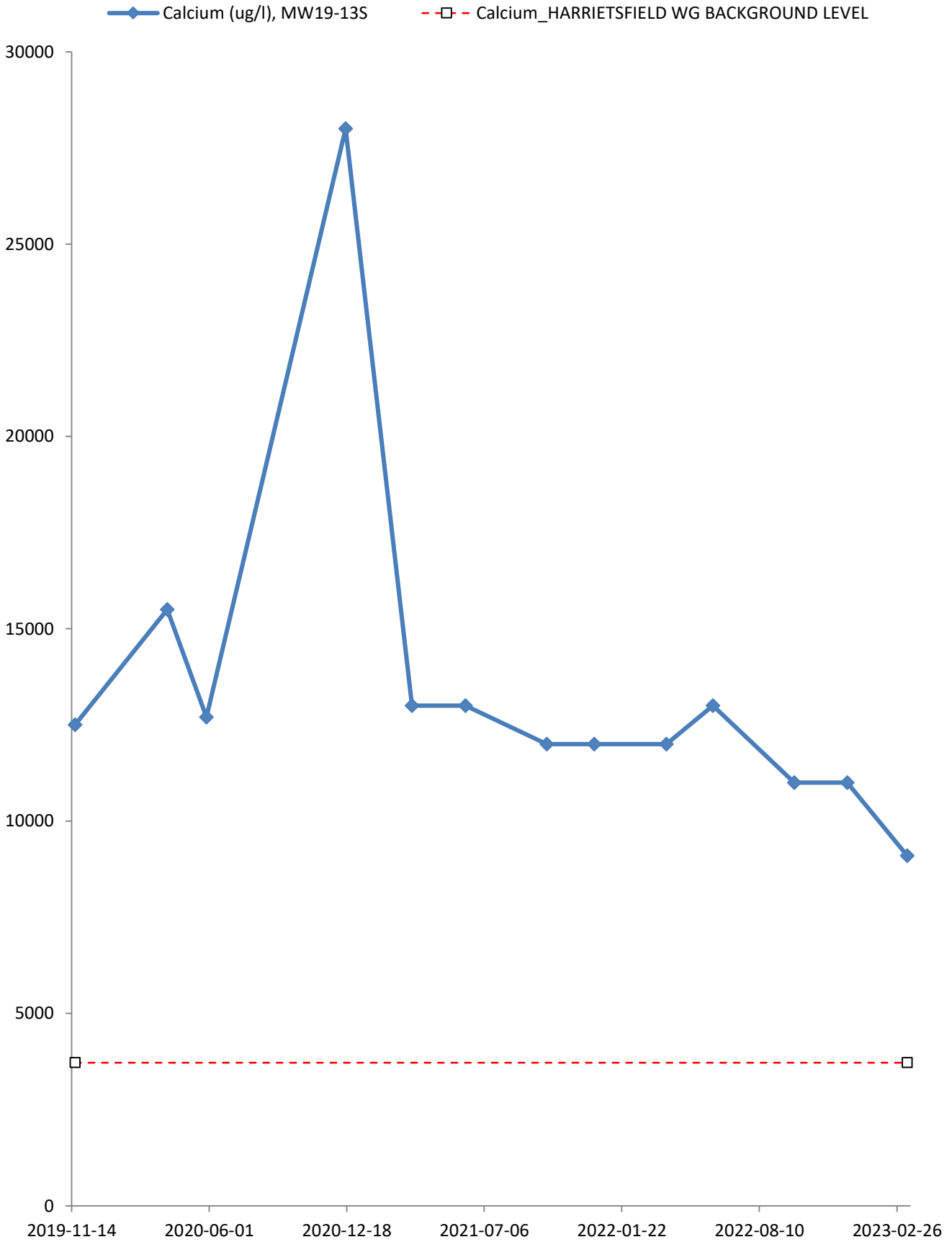




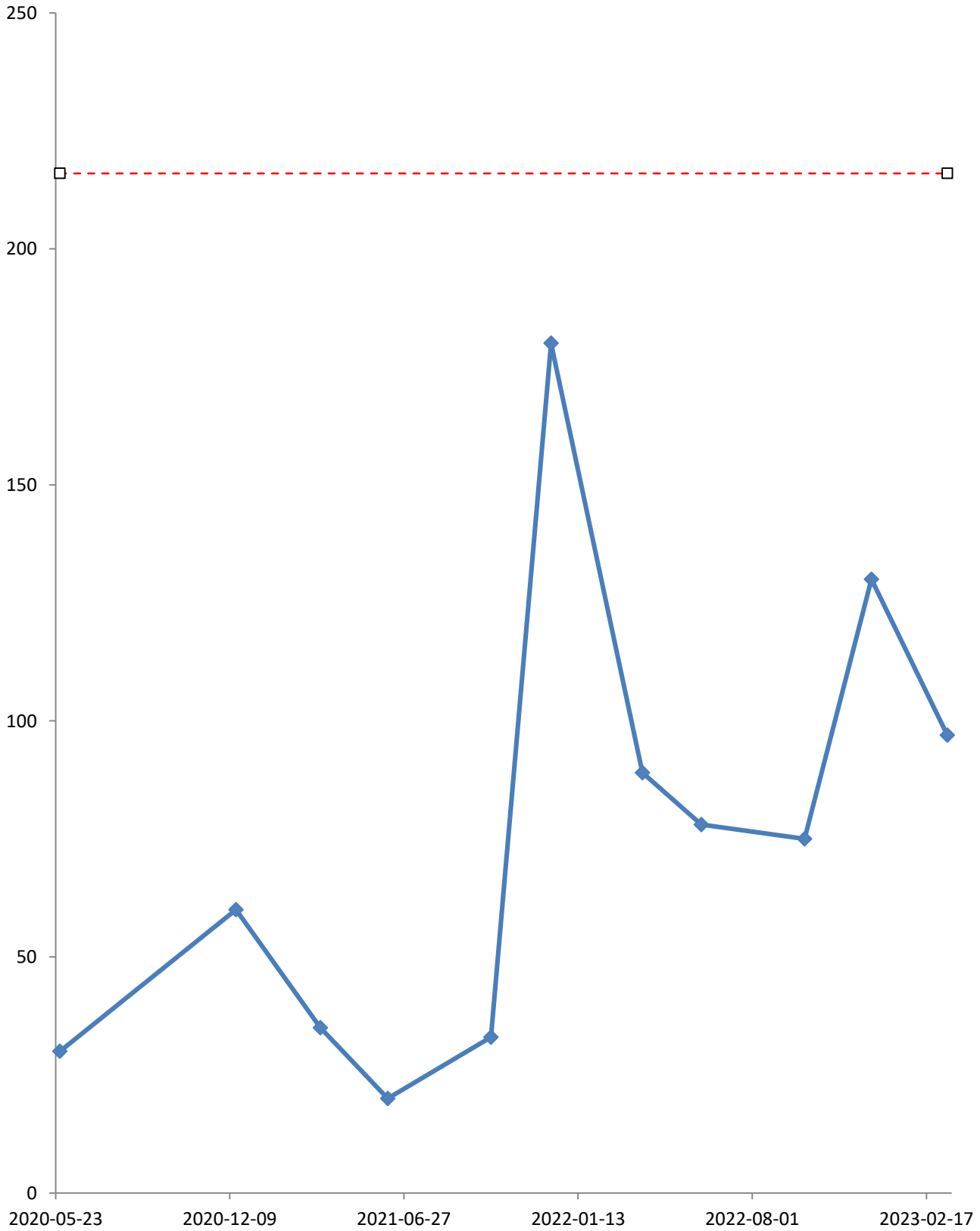


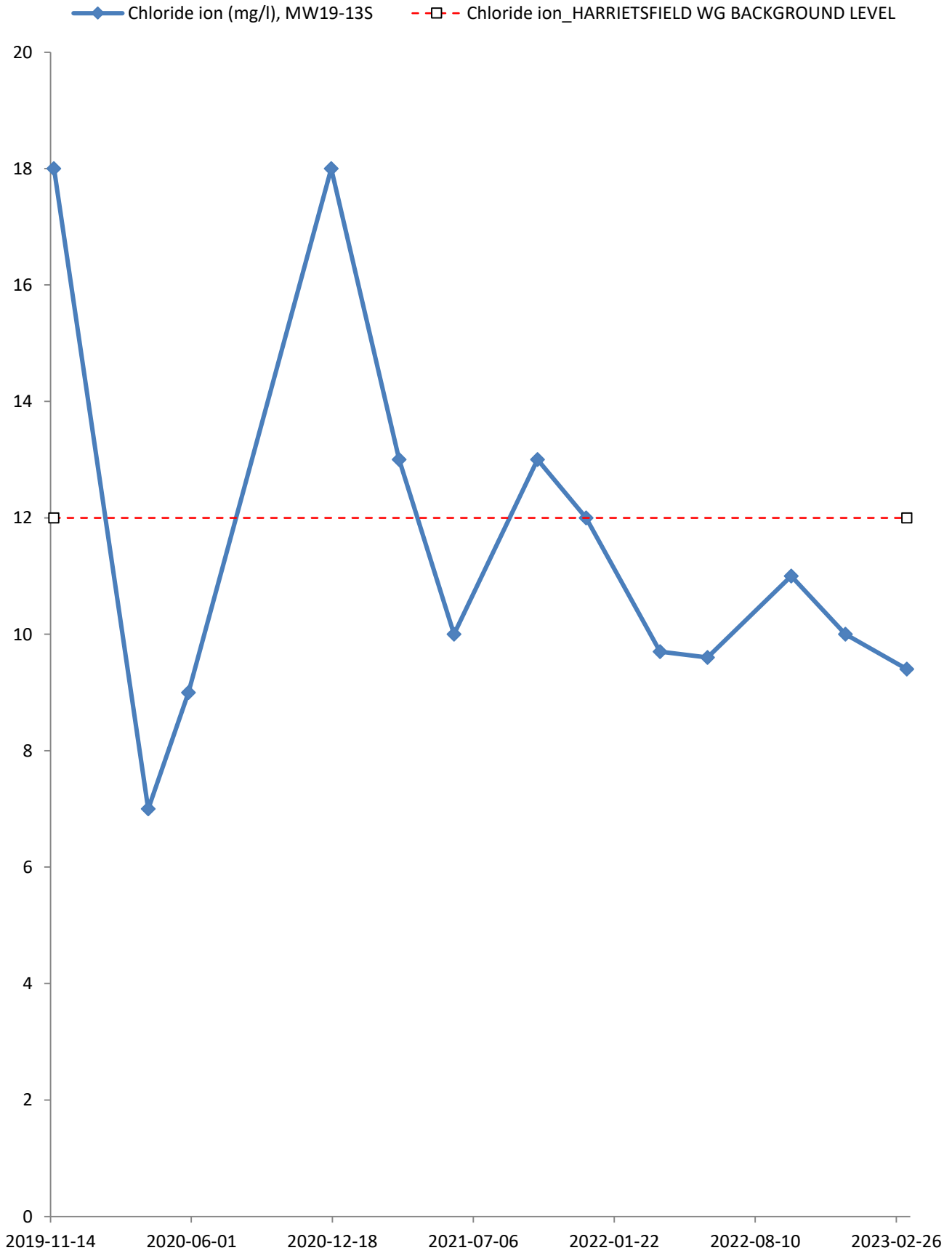


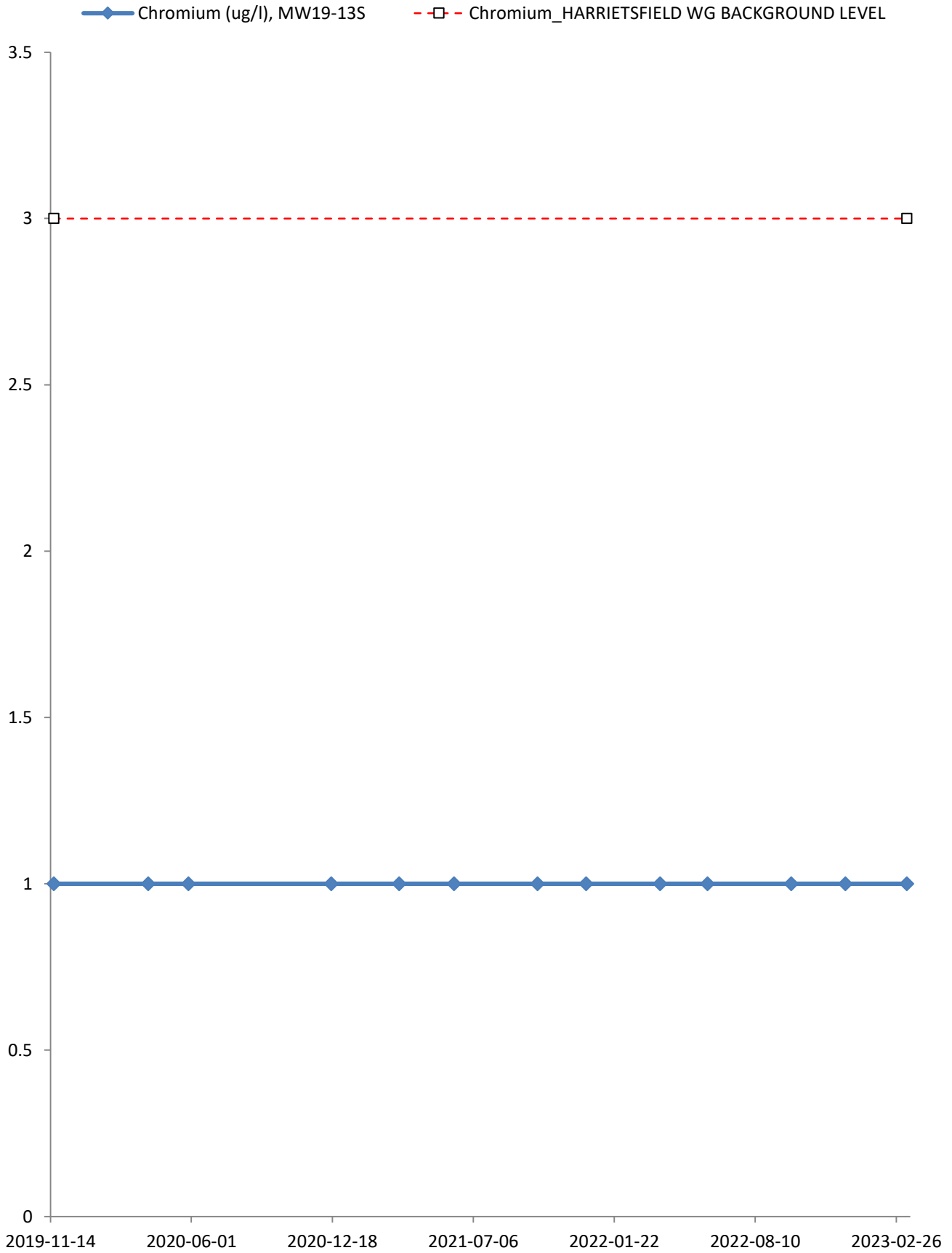


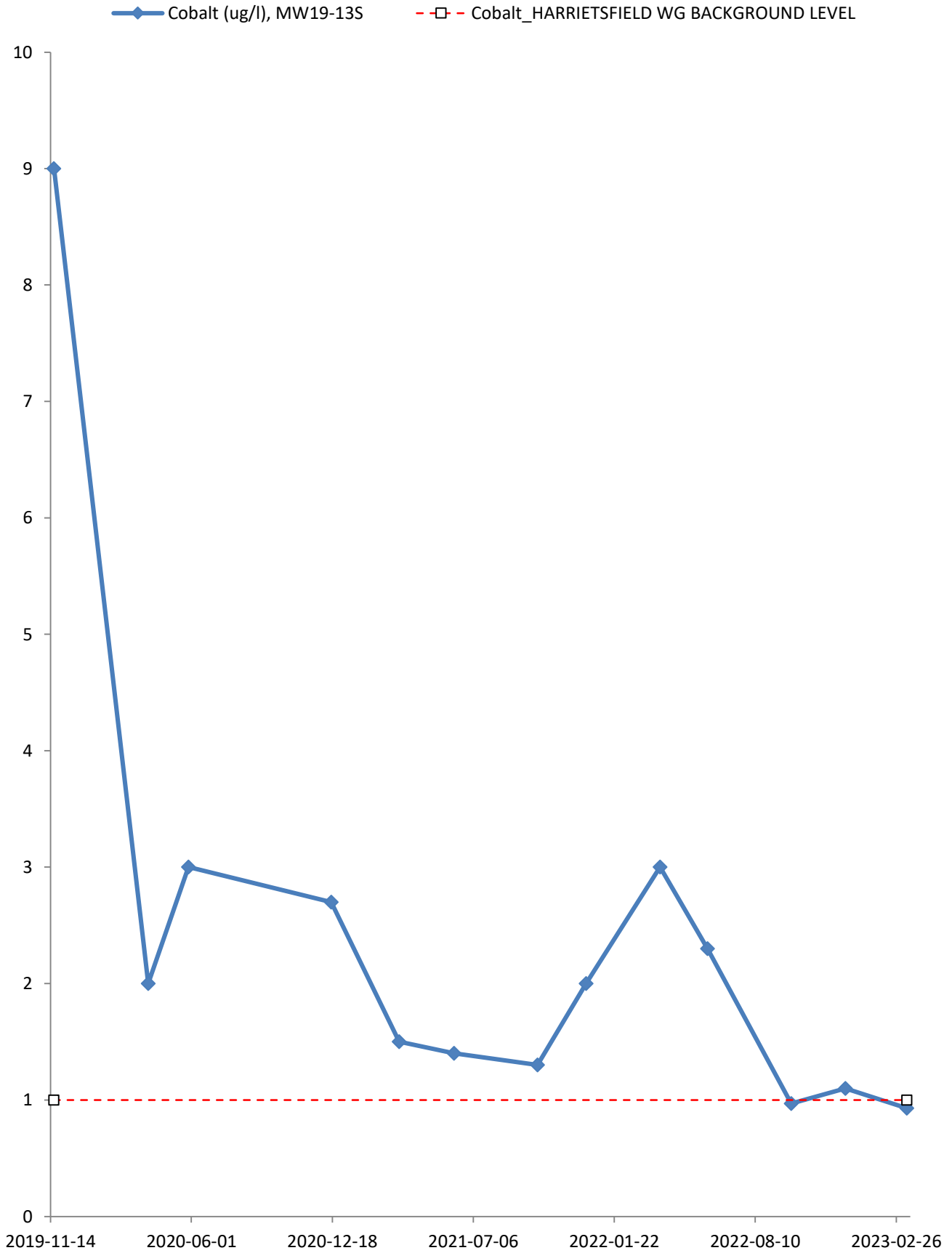


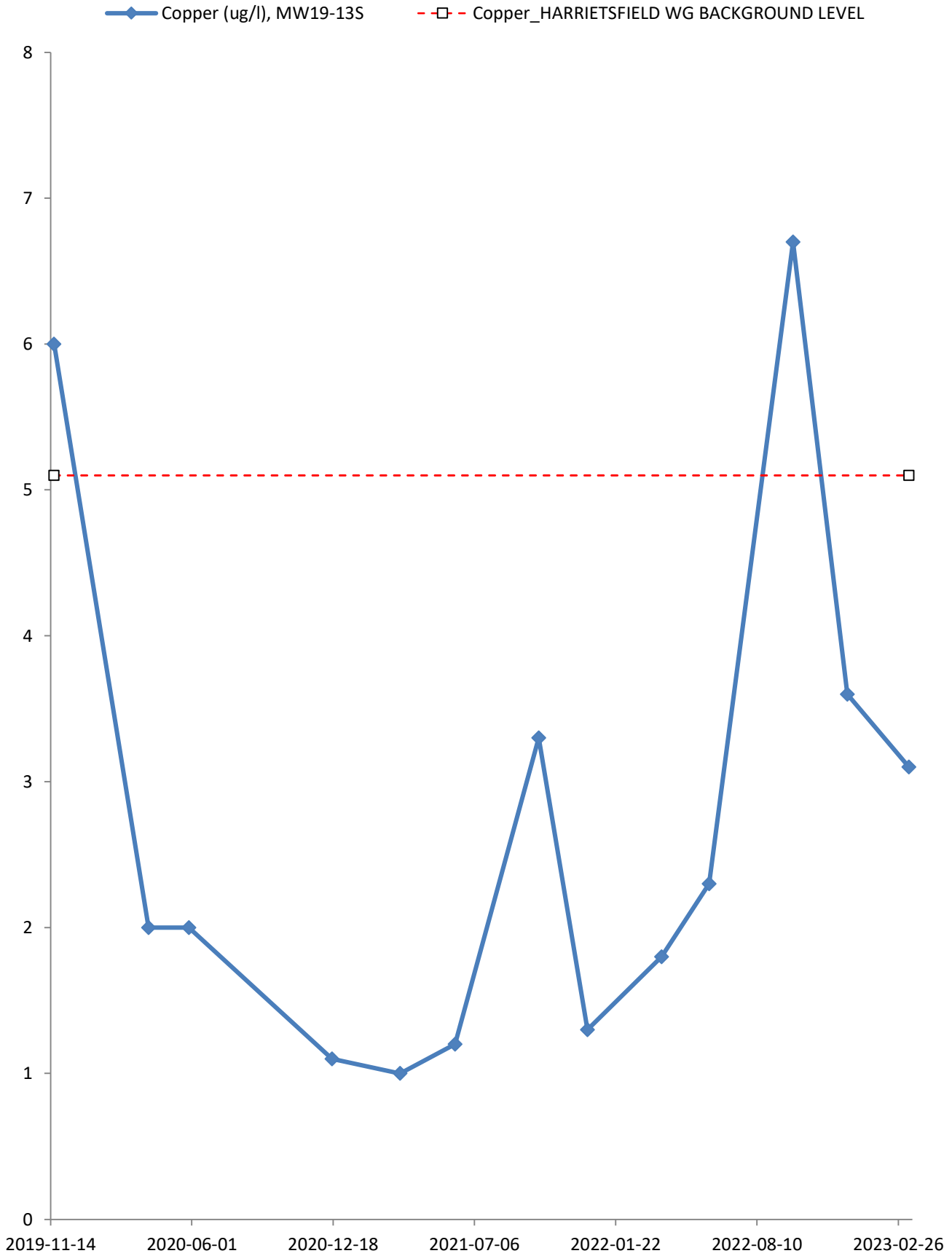
—◆— Chemical Oxygen Demand (mg/l), MW19-13S
- - □ - - Chemical Oxygen Demand_HARRIETSFIELD WG BACKGROUND LEVEL



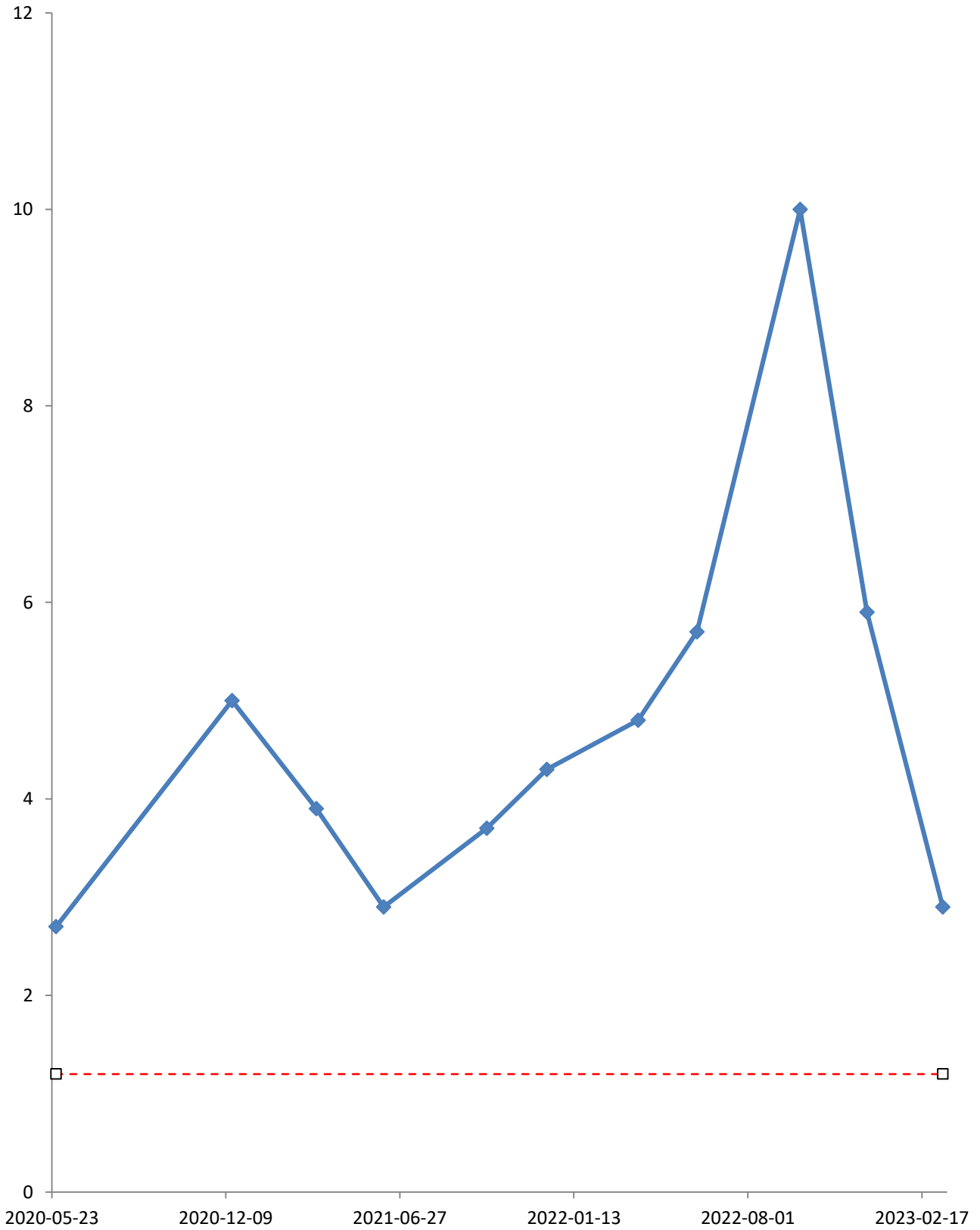




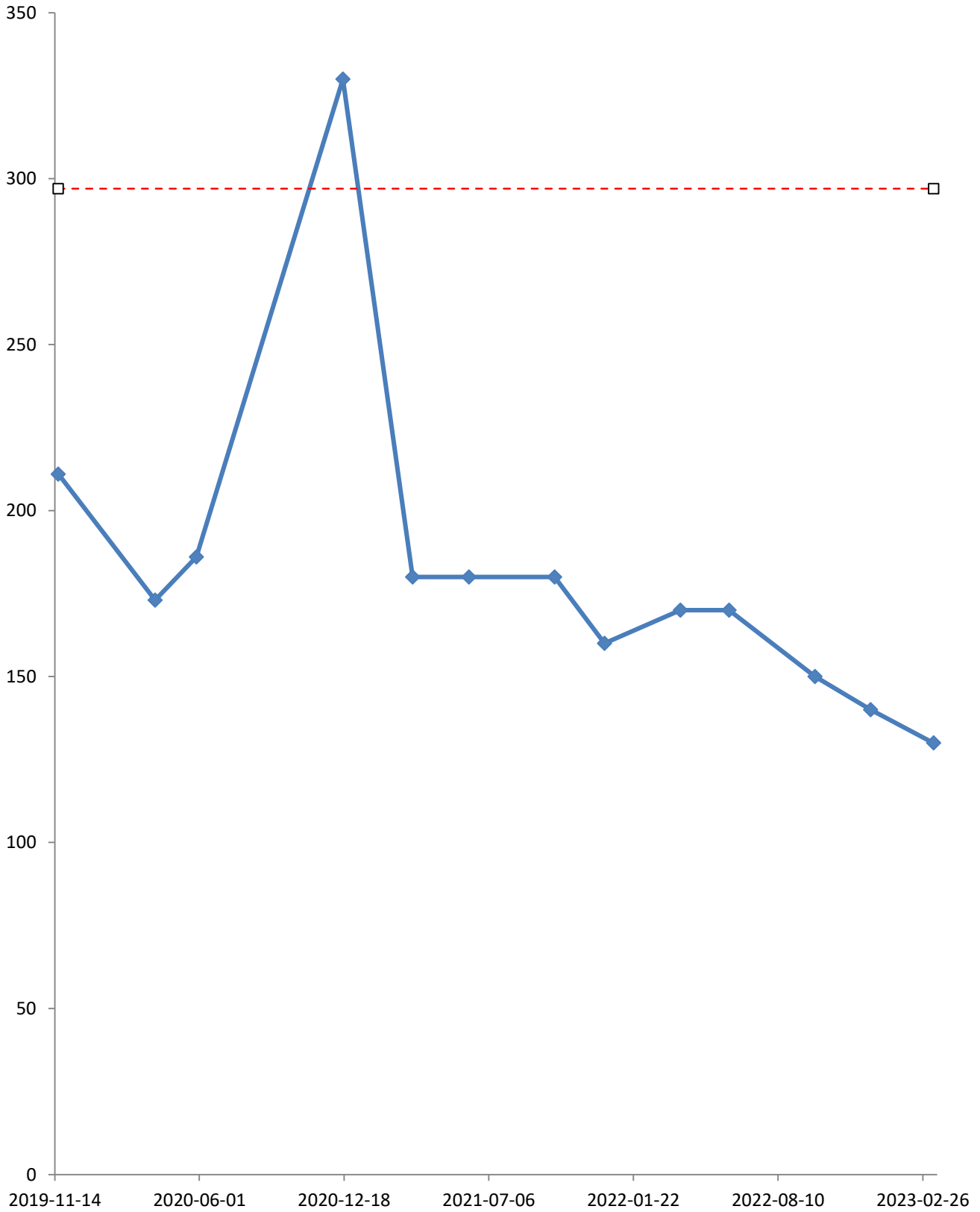


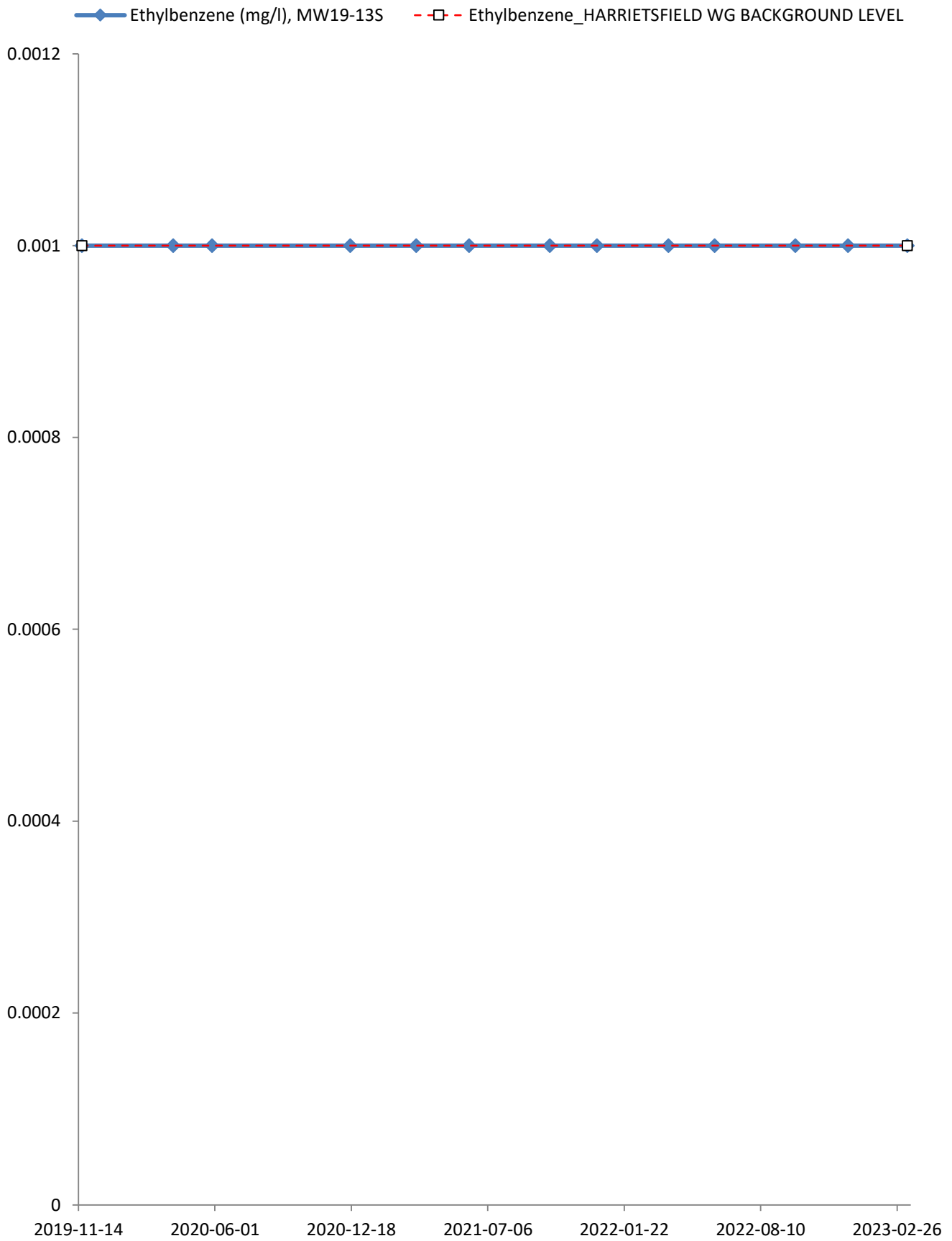


◆ Dissolved Organic Carbon (DOC) (mg/l), MW19-13S
-□- Dissolved Organic Carbon (DOC)_HARRIETSFIELD WG BACKGROUND LEVEL

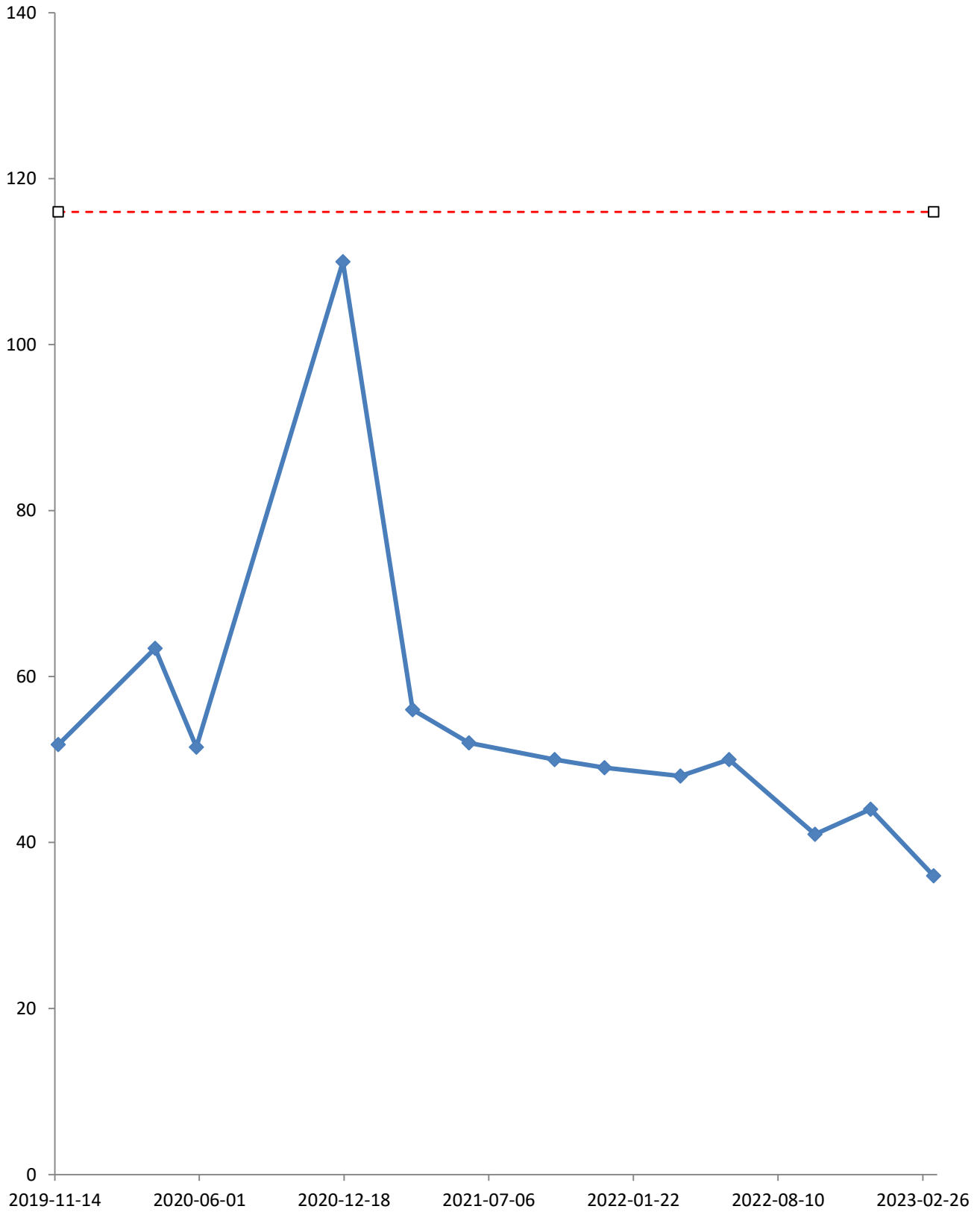


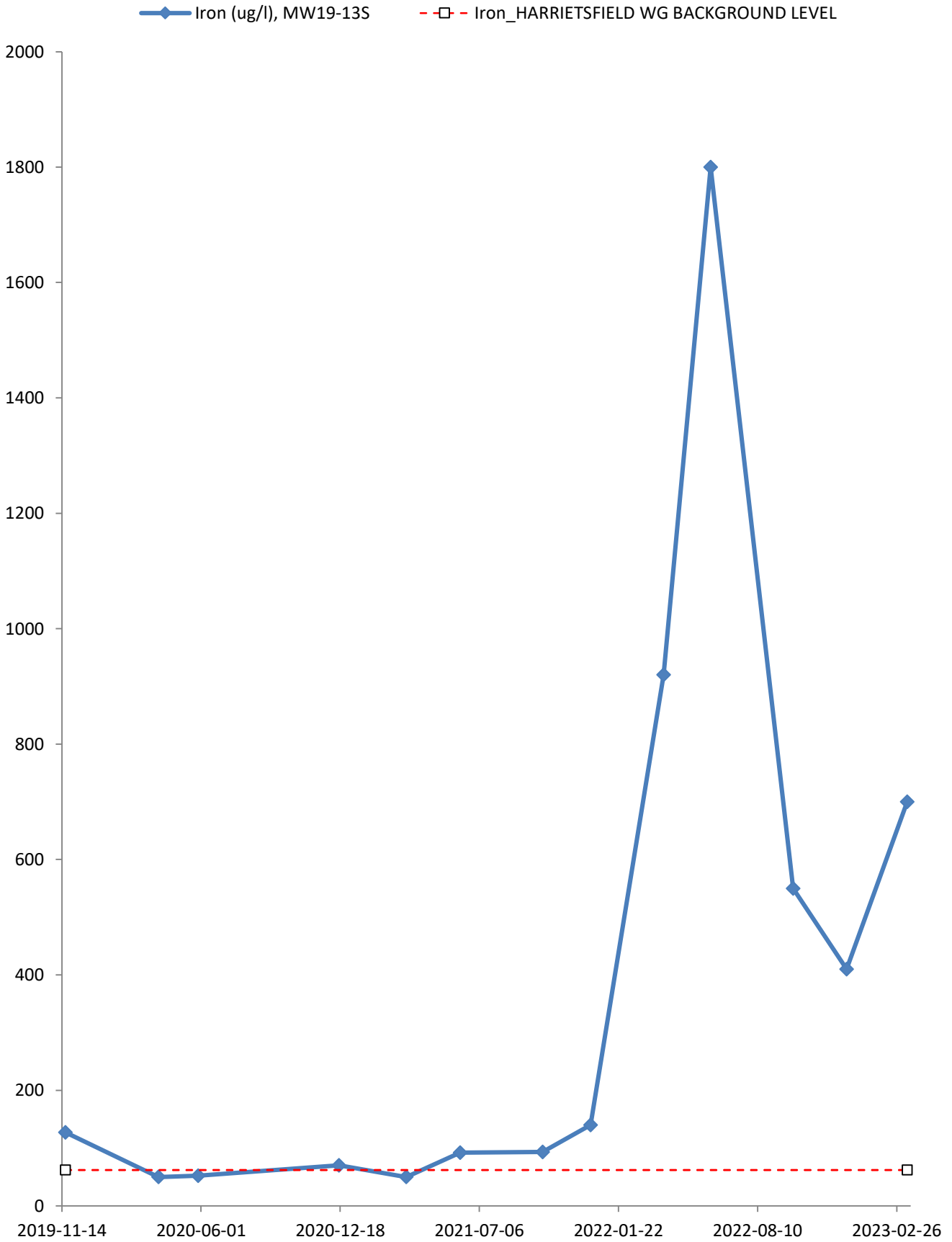
—◆— Electrical Conductivity (umhos/cm), MW19-13S
- -□- - Electrical Conductivity_HARRIETSFIELD WG BACKGROUND LEVEL

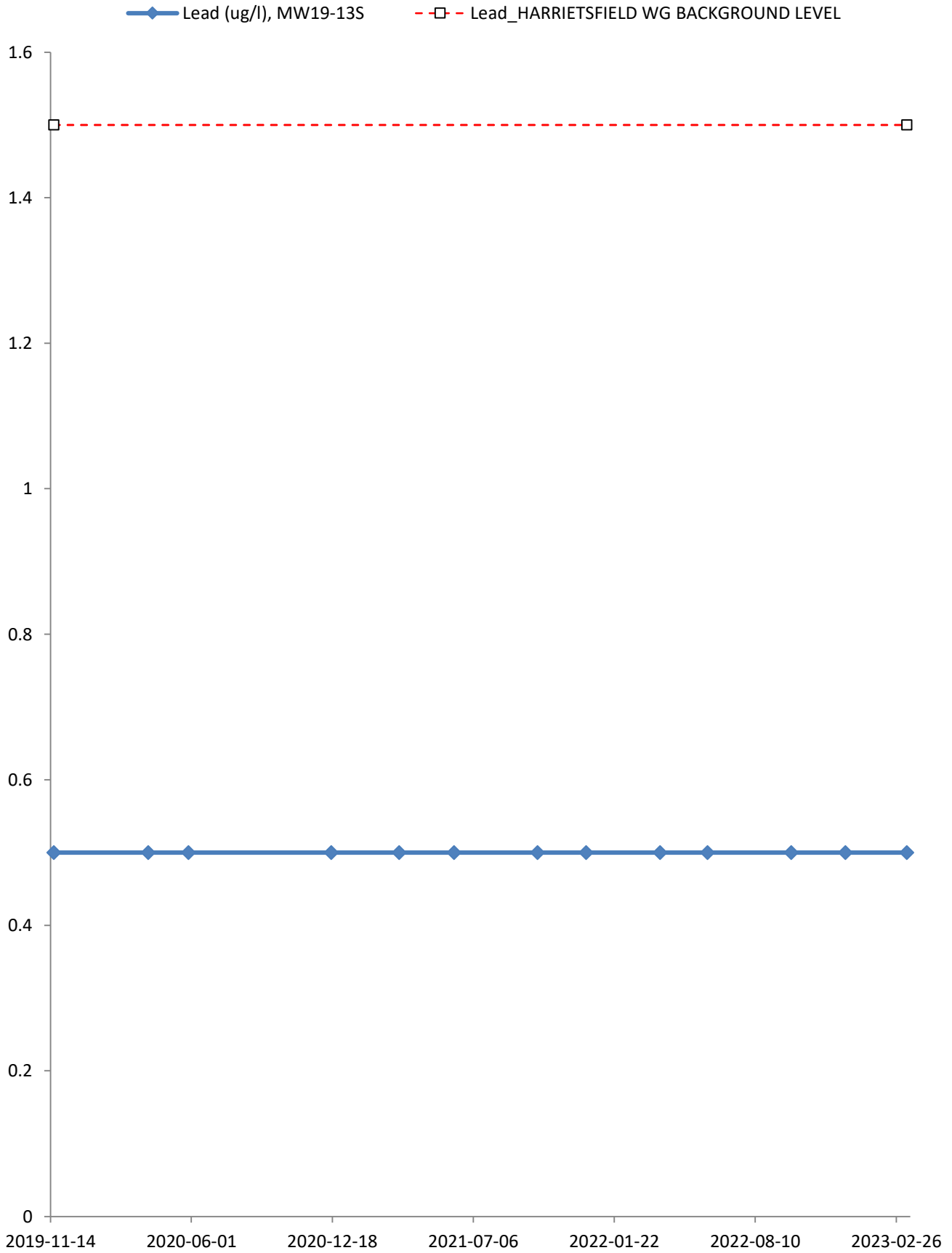


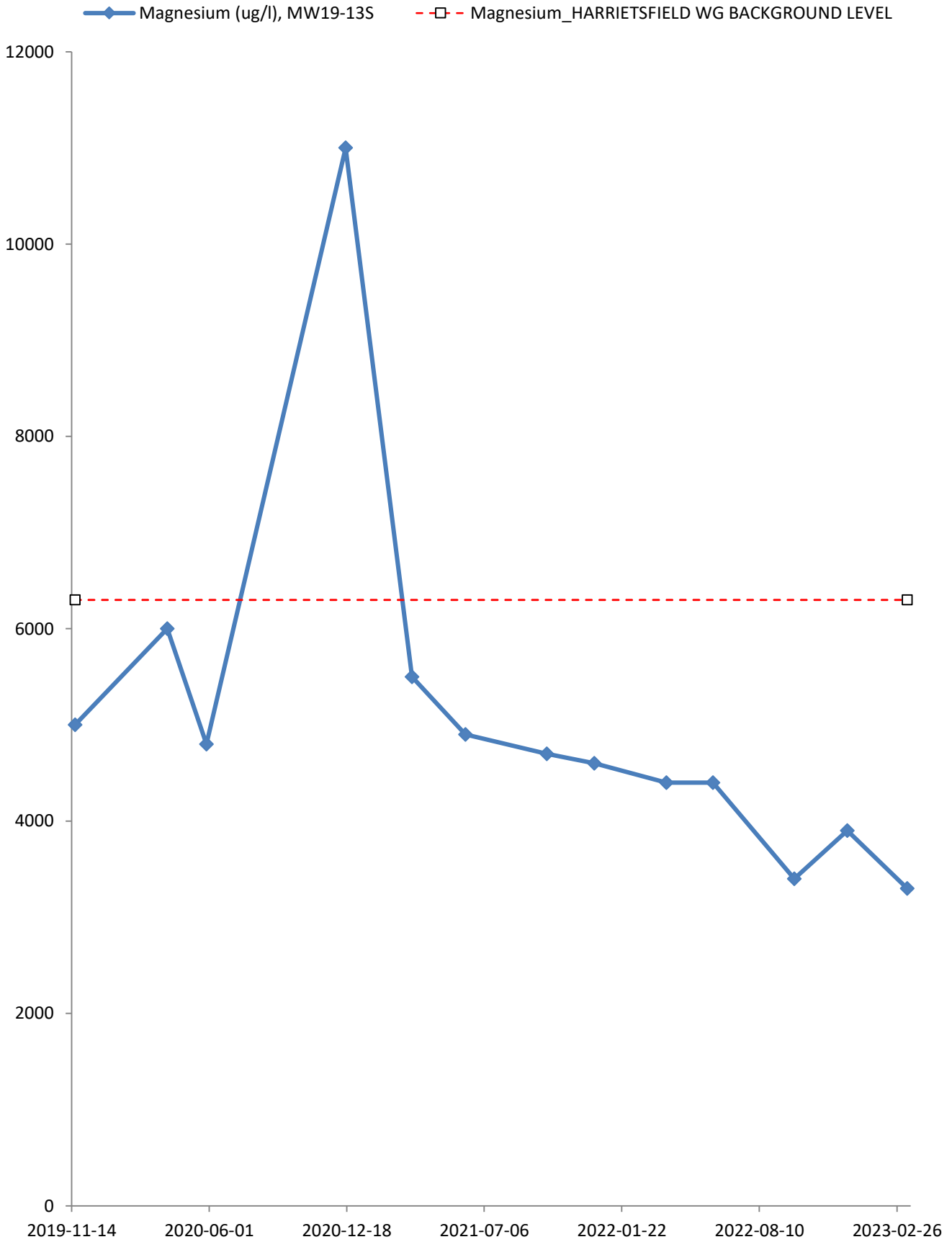


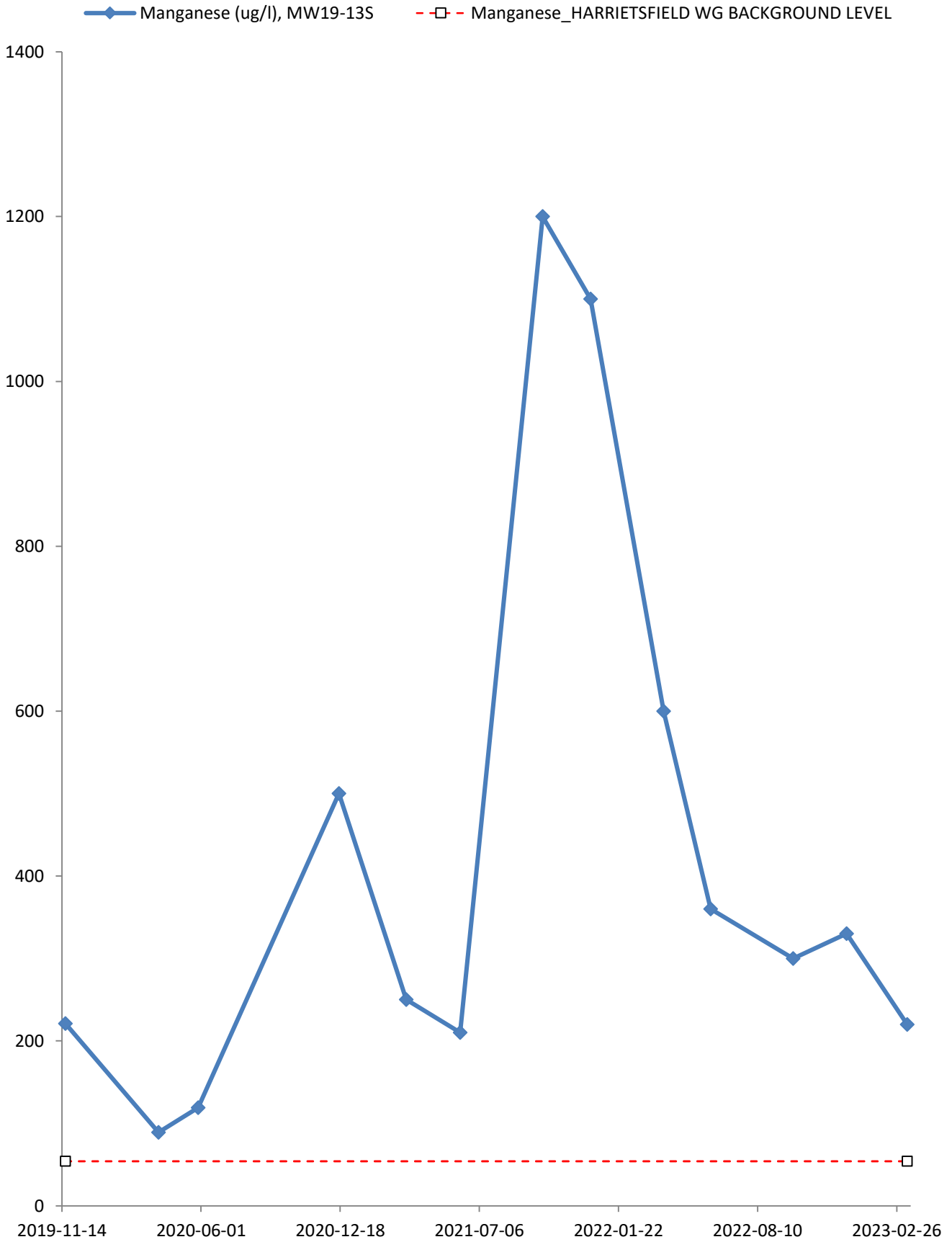
—◆— Hardness (as CaCO3) (mg/l), MW19-13S
- -□- - Hardness (as CaCO3)_HARRIETSFIELD WG BACKGROUND LEVEL

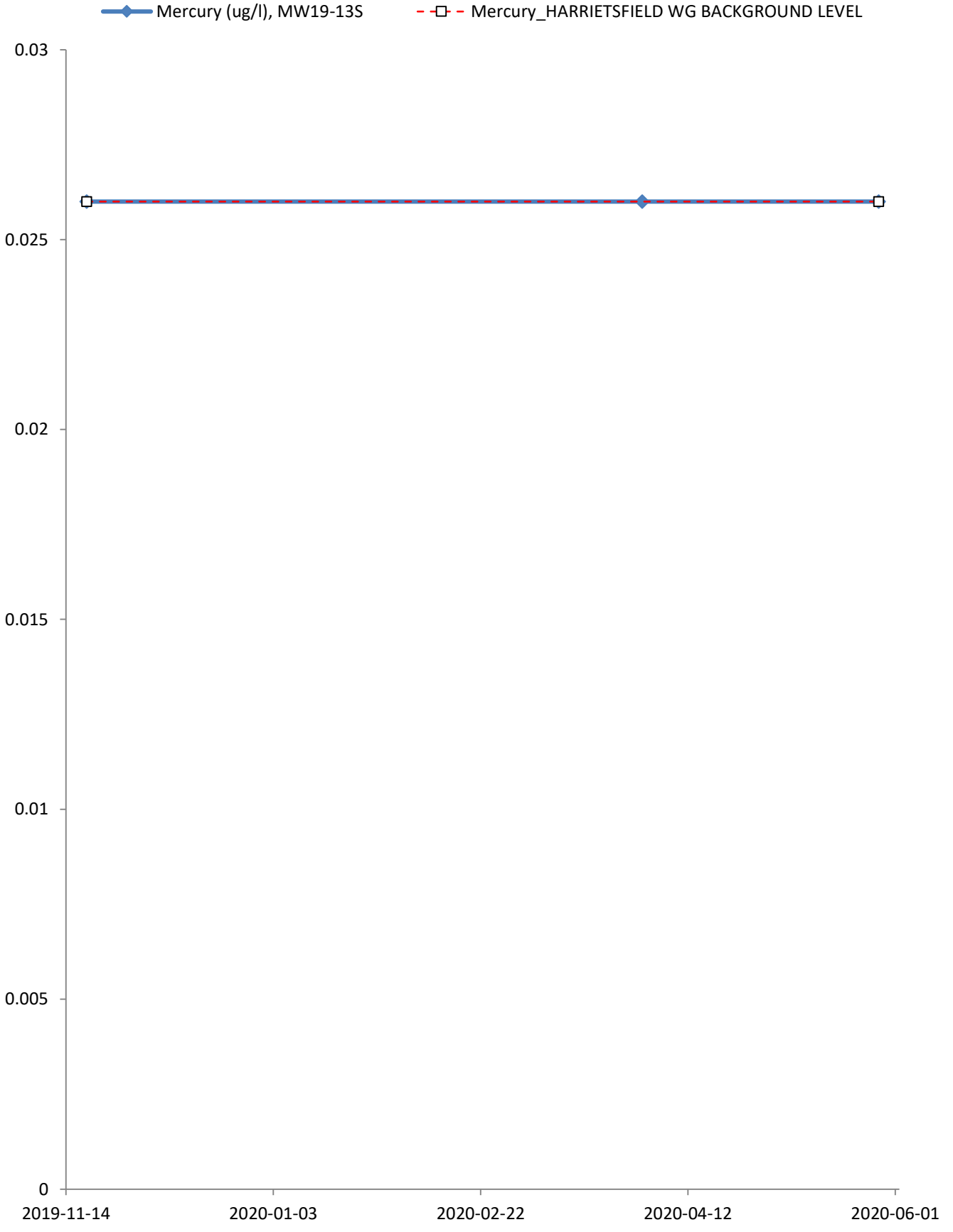


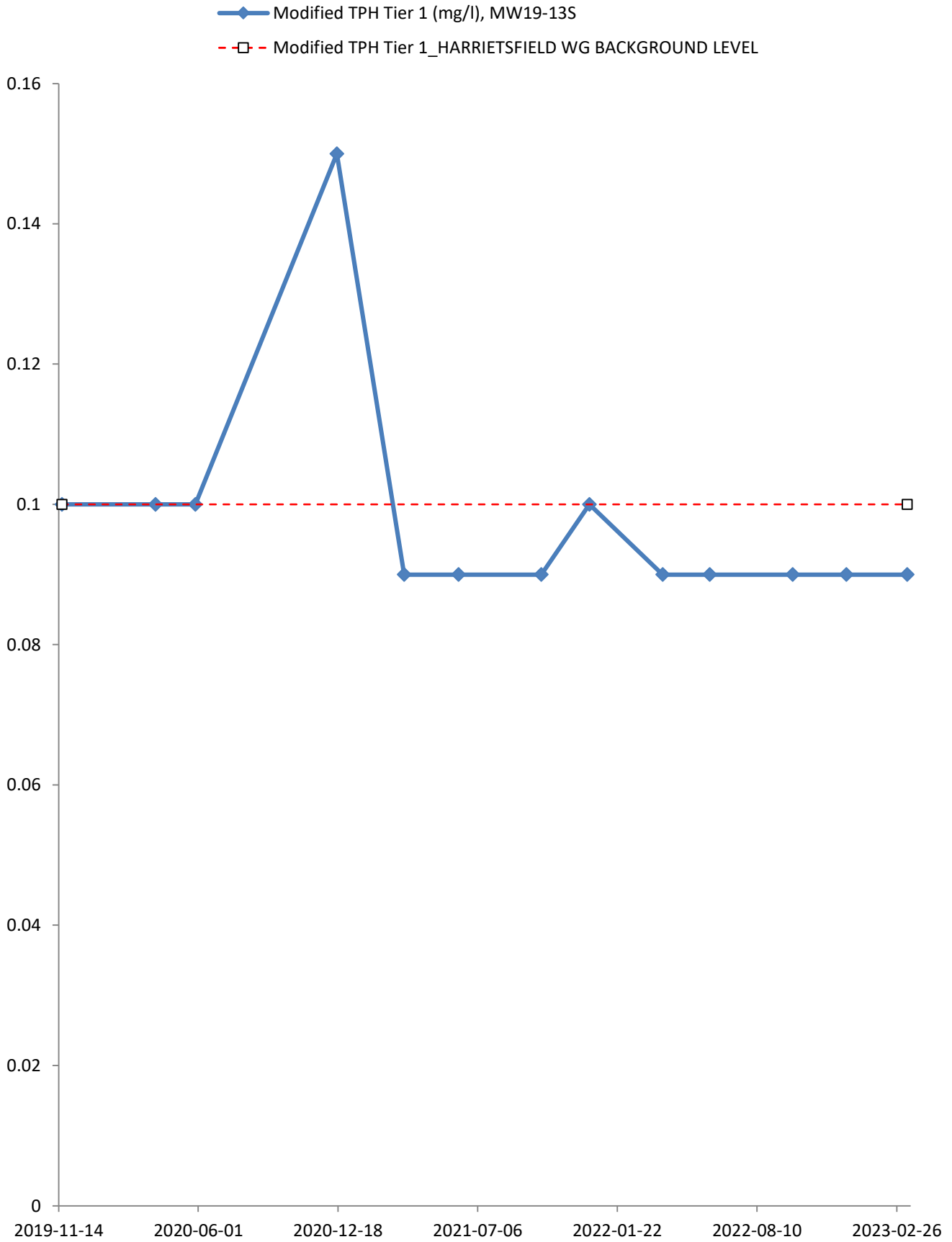


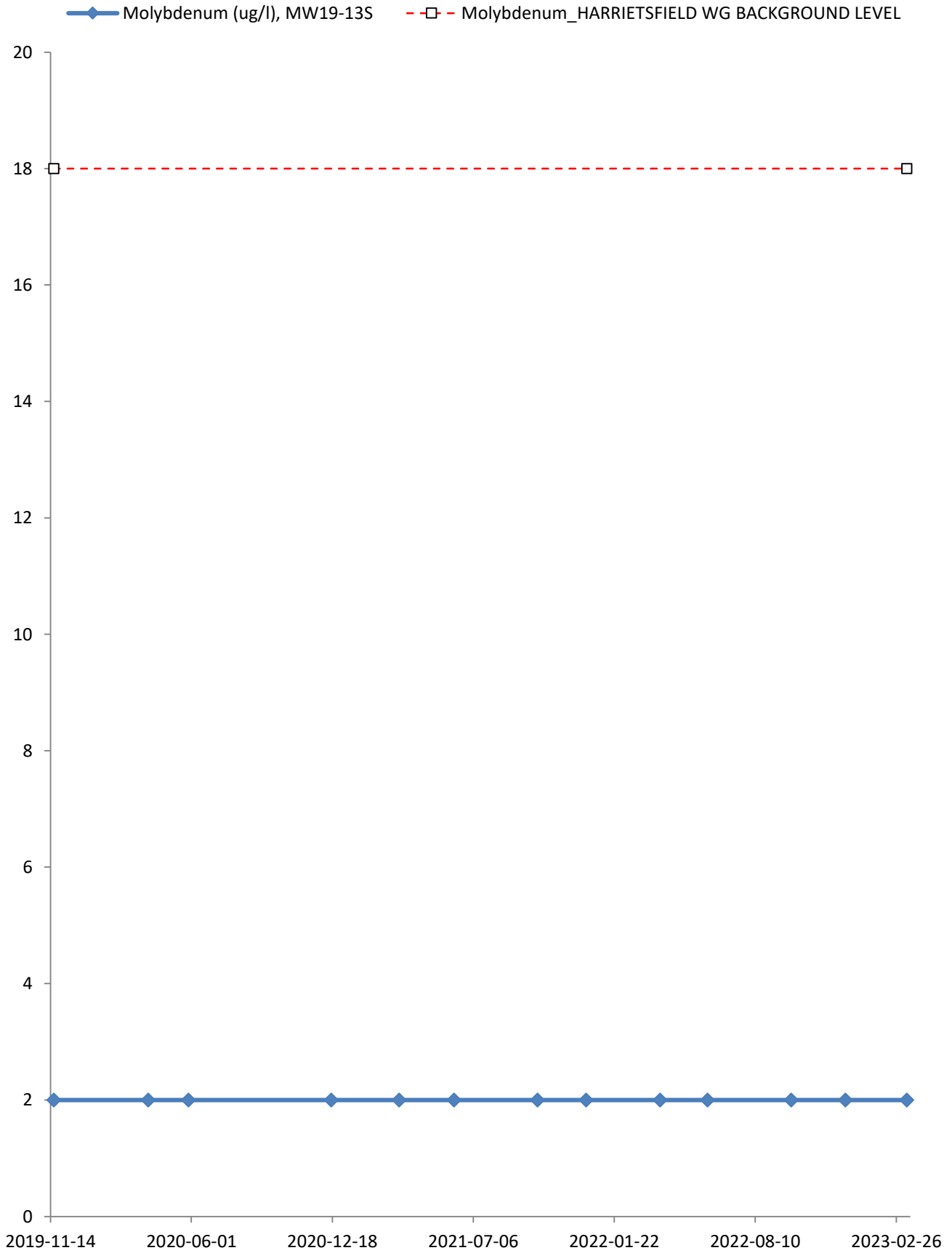


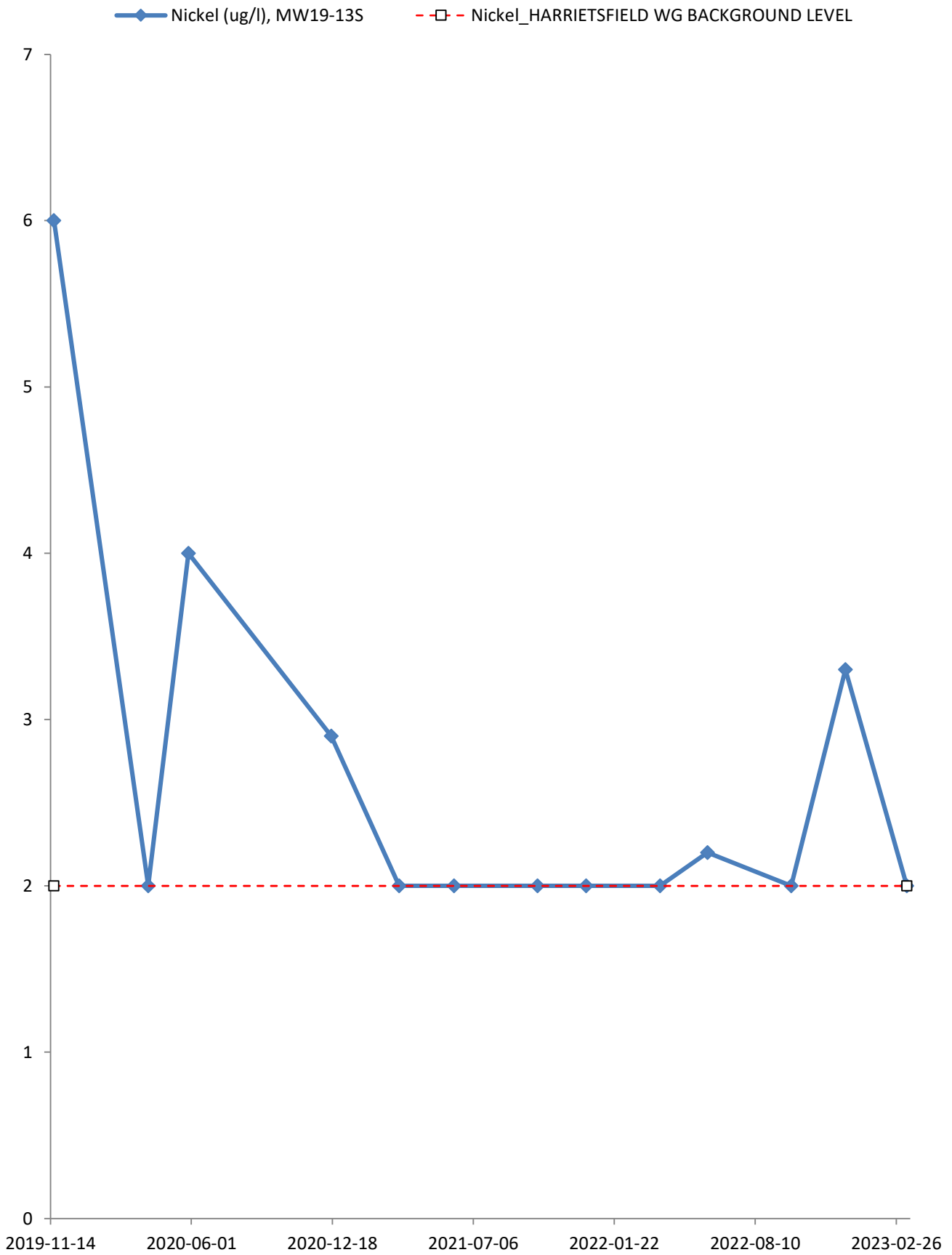


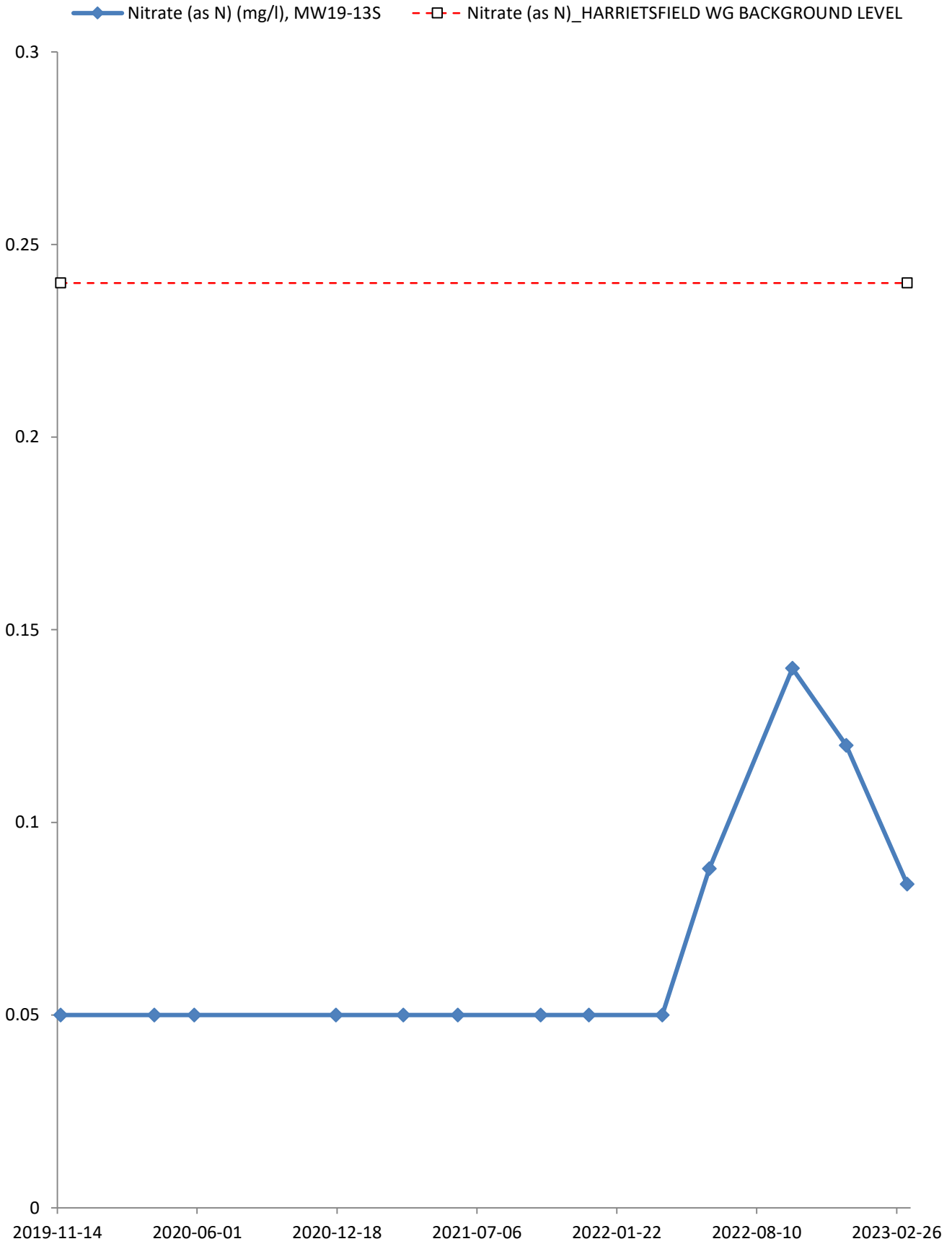


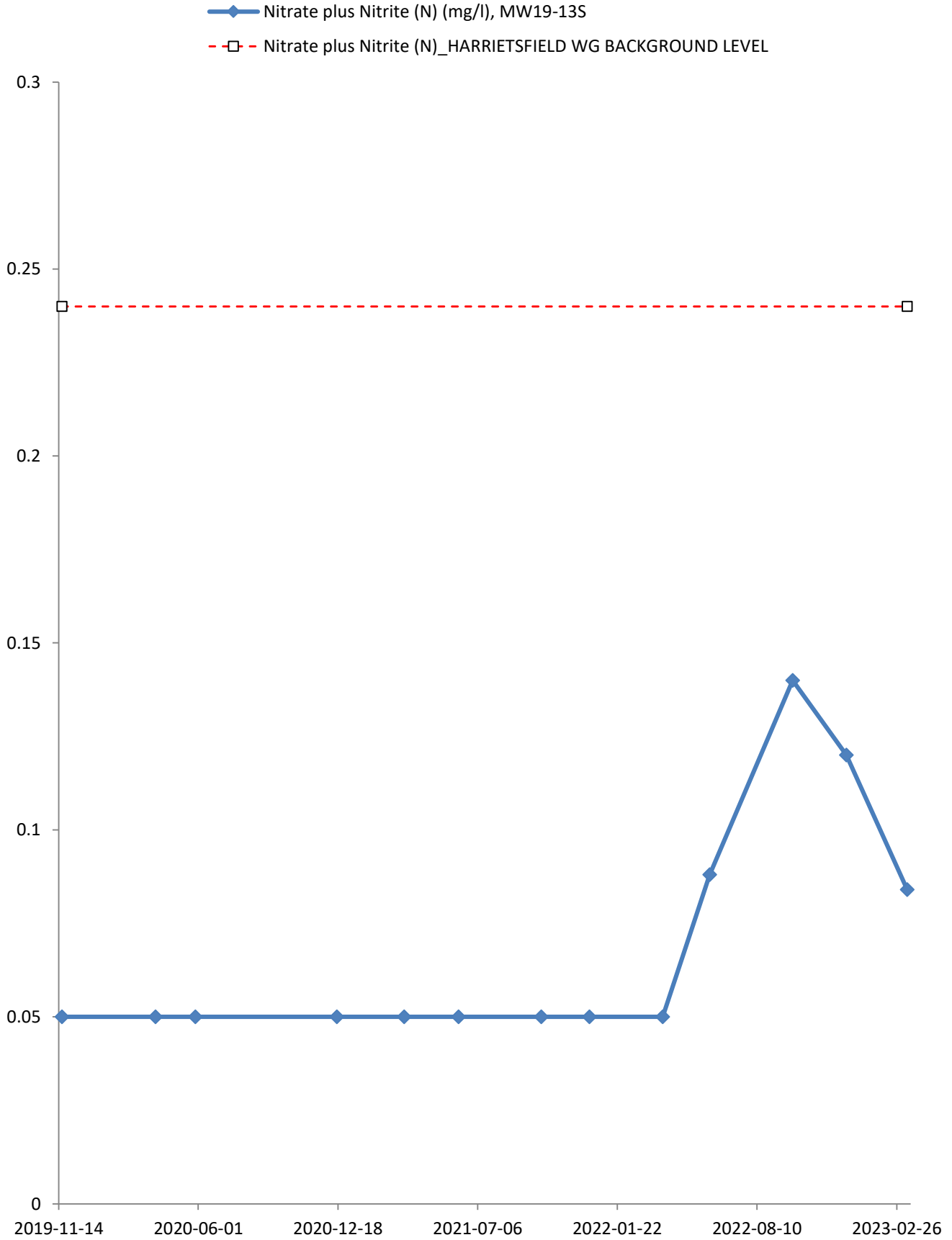


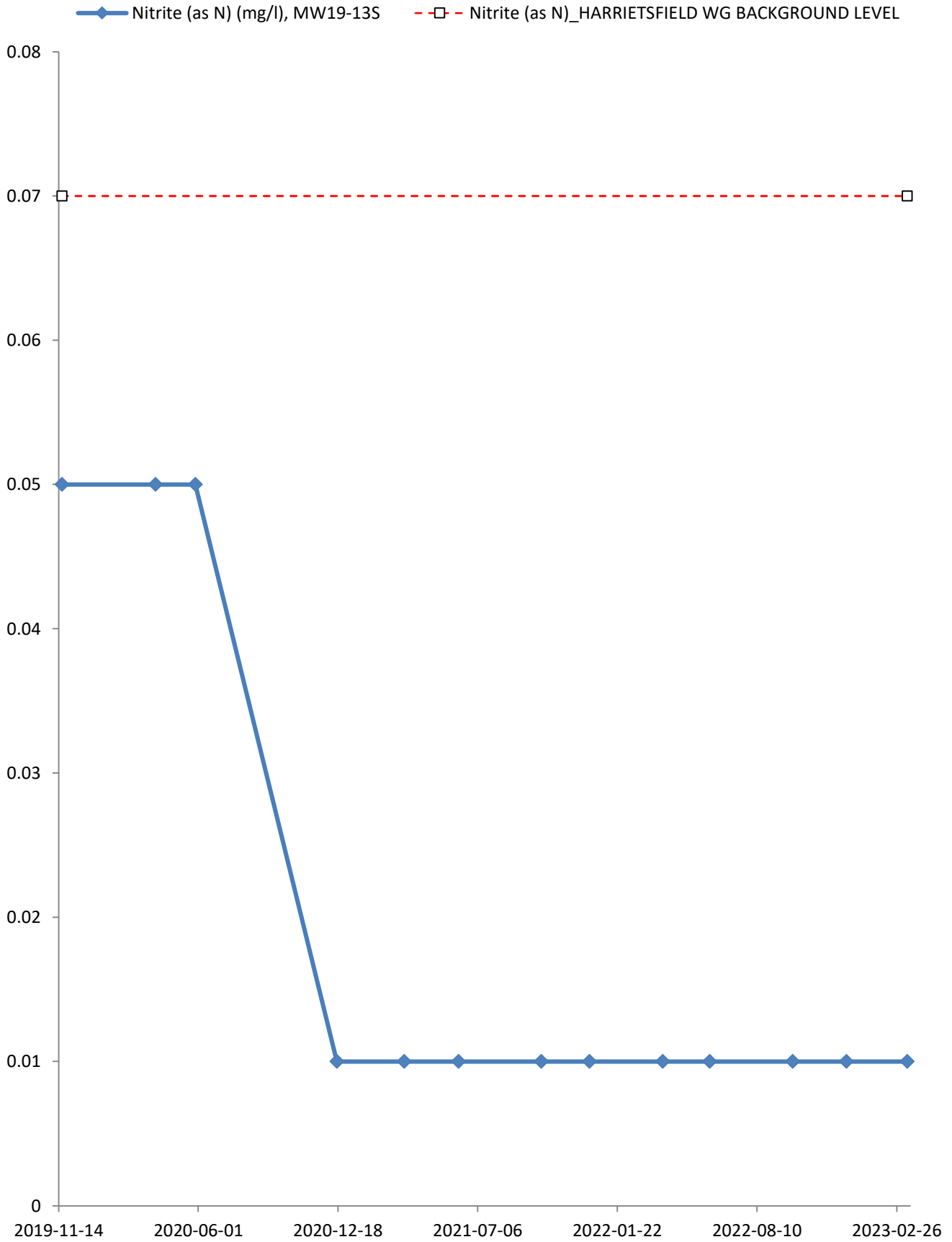




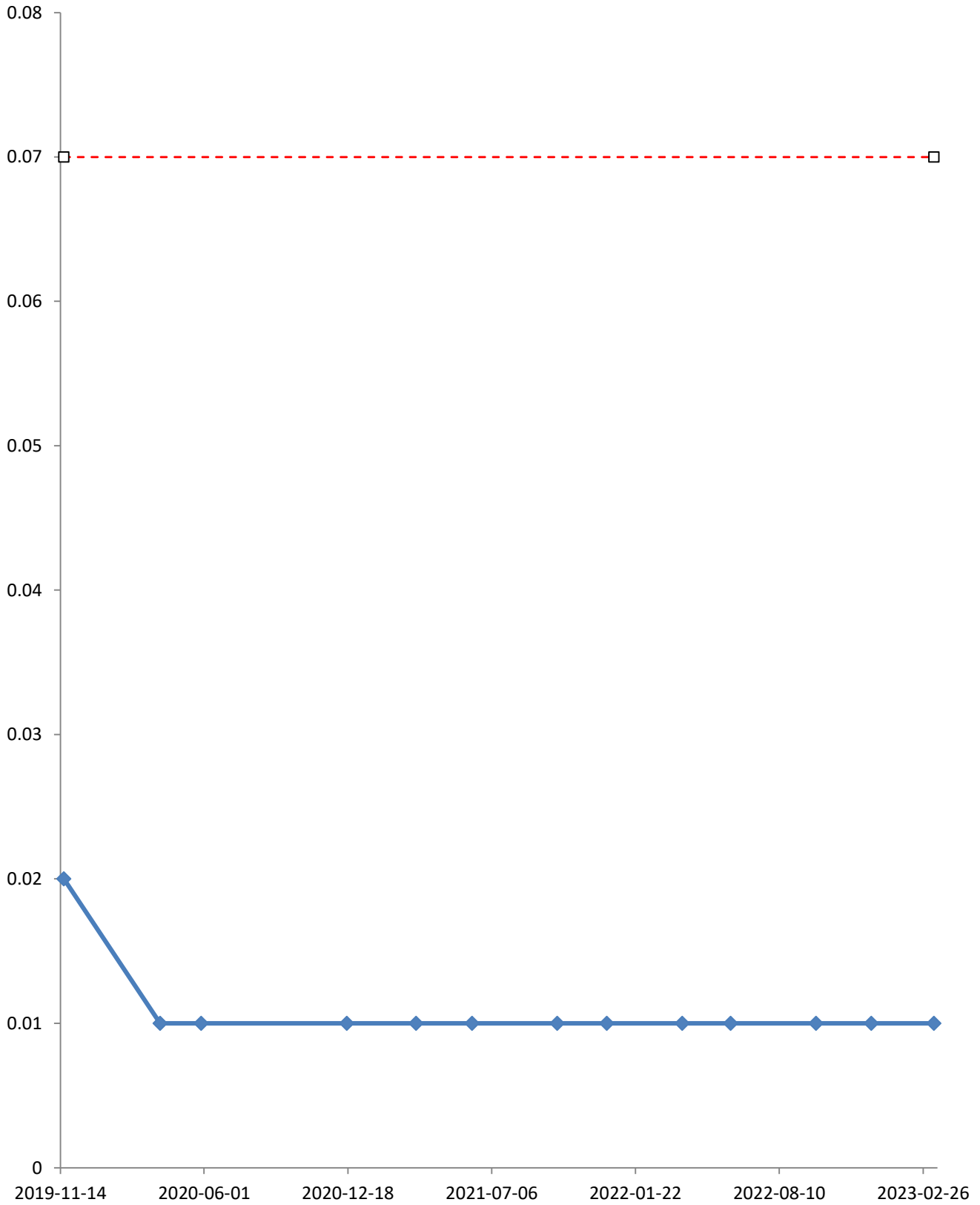


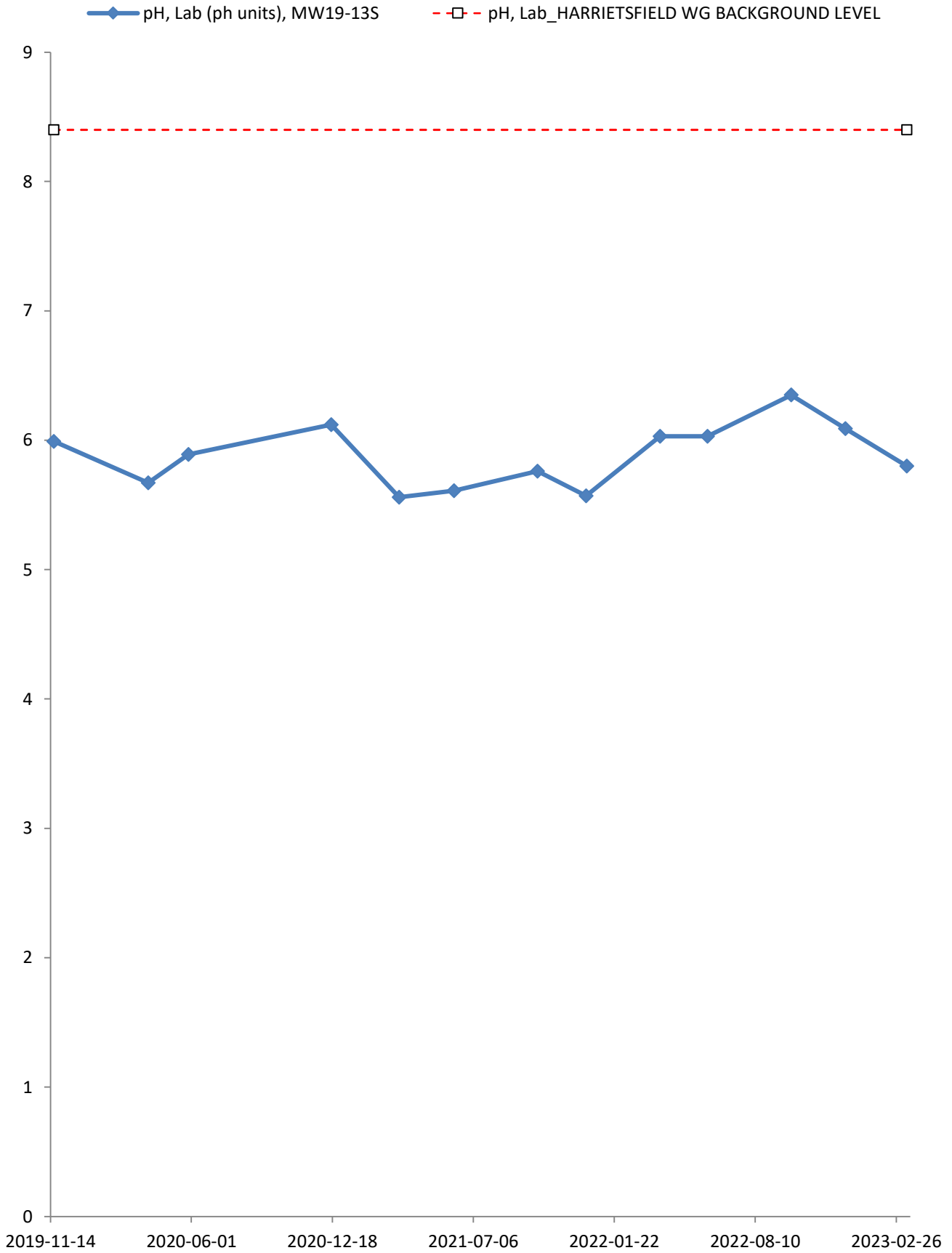


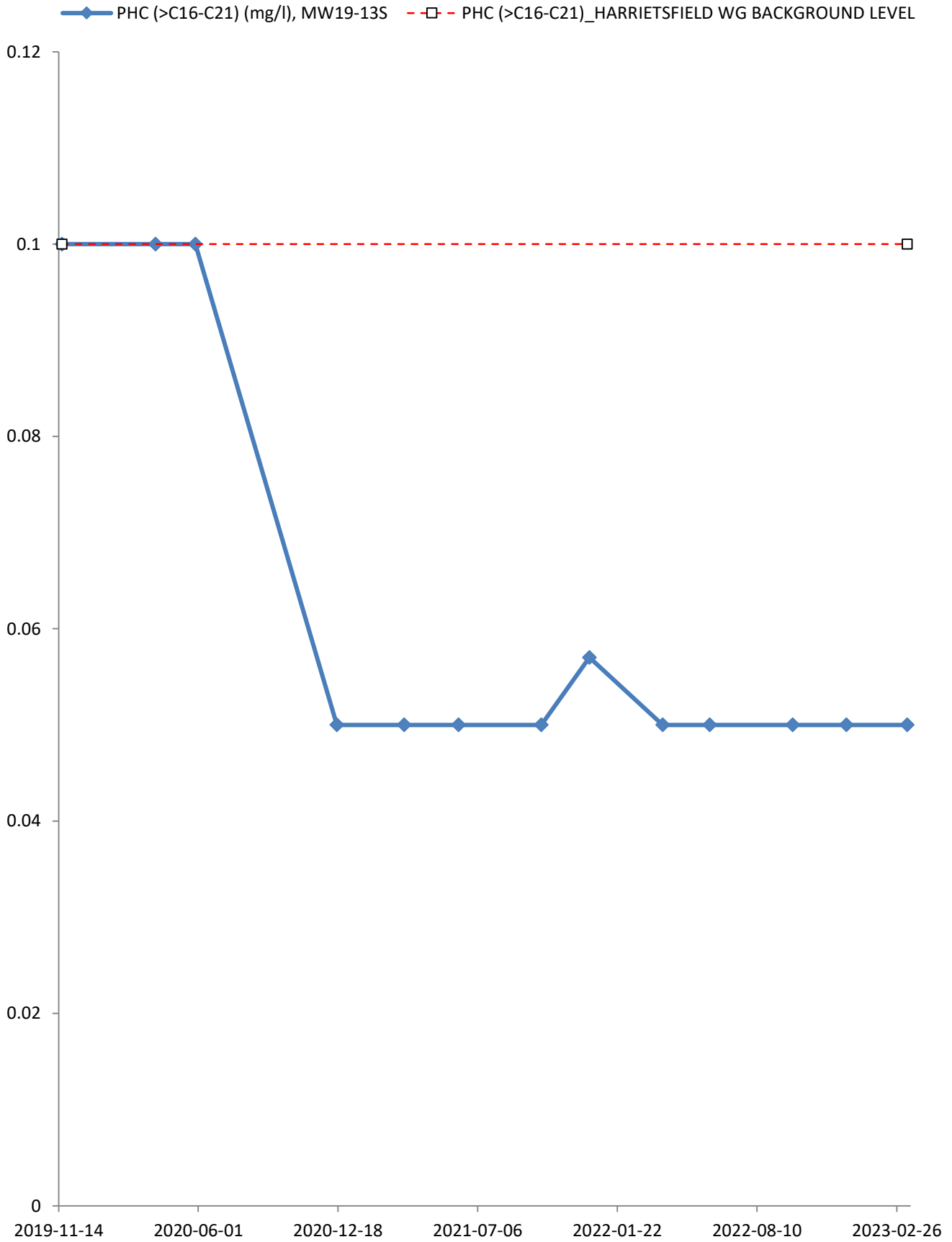


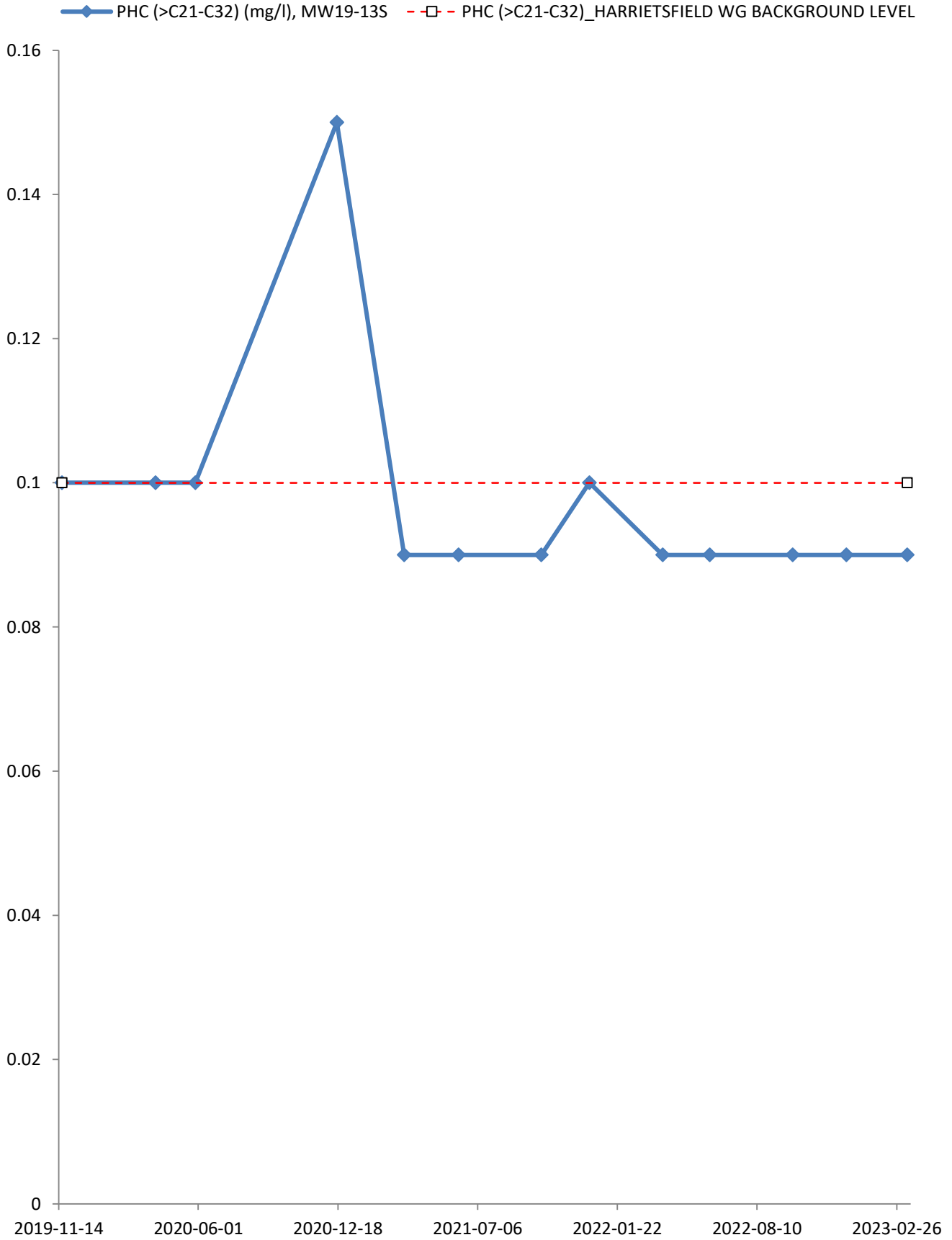


—◆— Orthophosphate(as P) (mg/l), MW19-13S
- -□- - Orthophosphate(as P)_HARRIETSFIELD WG BACKGROUND LEVEL

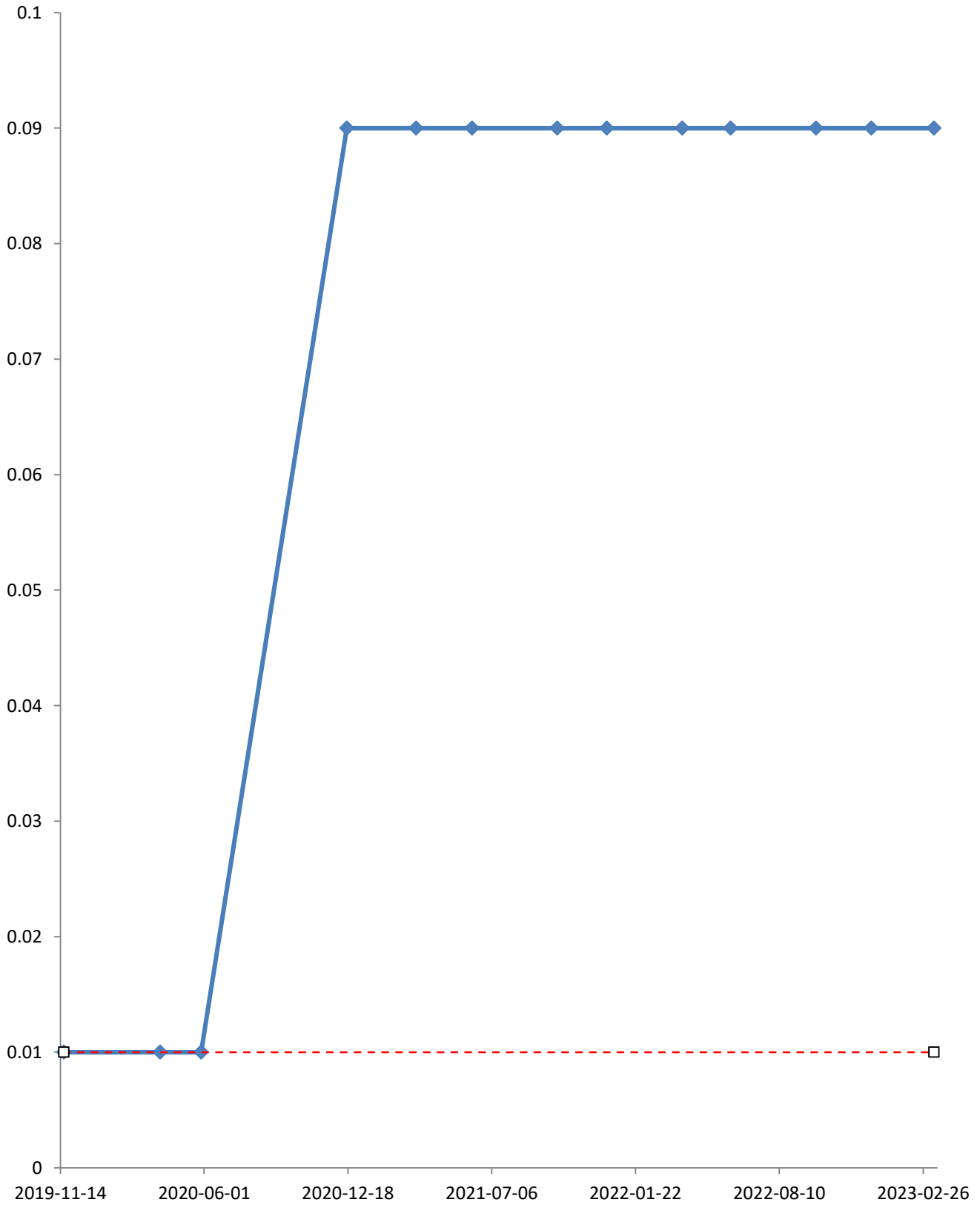




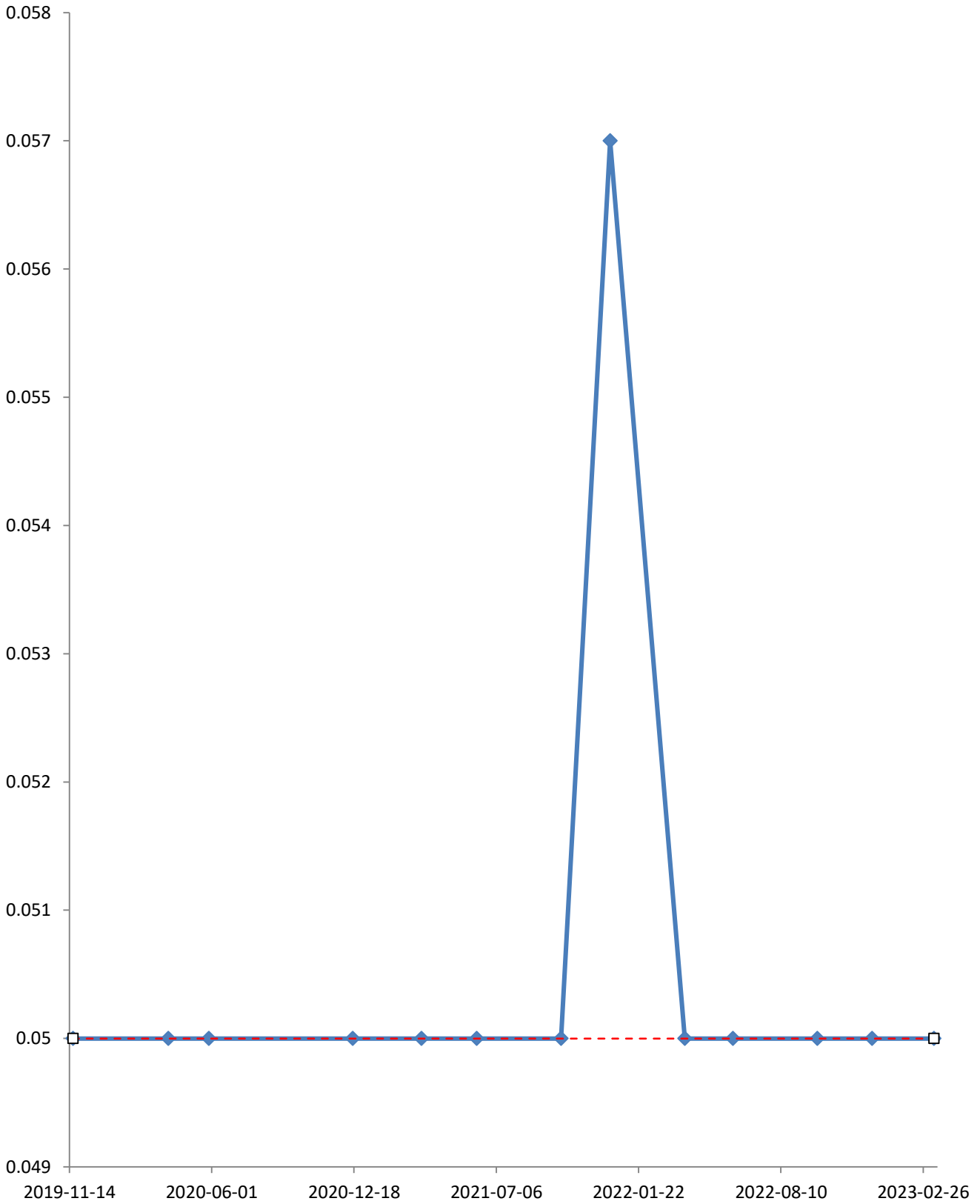


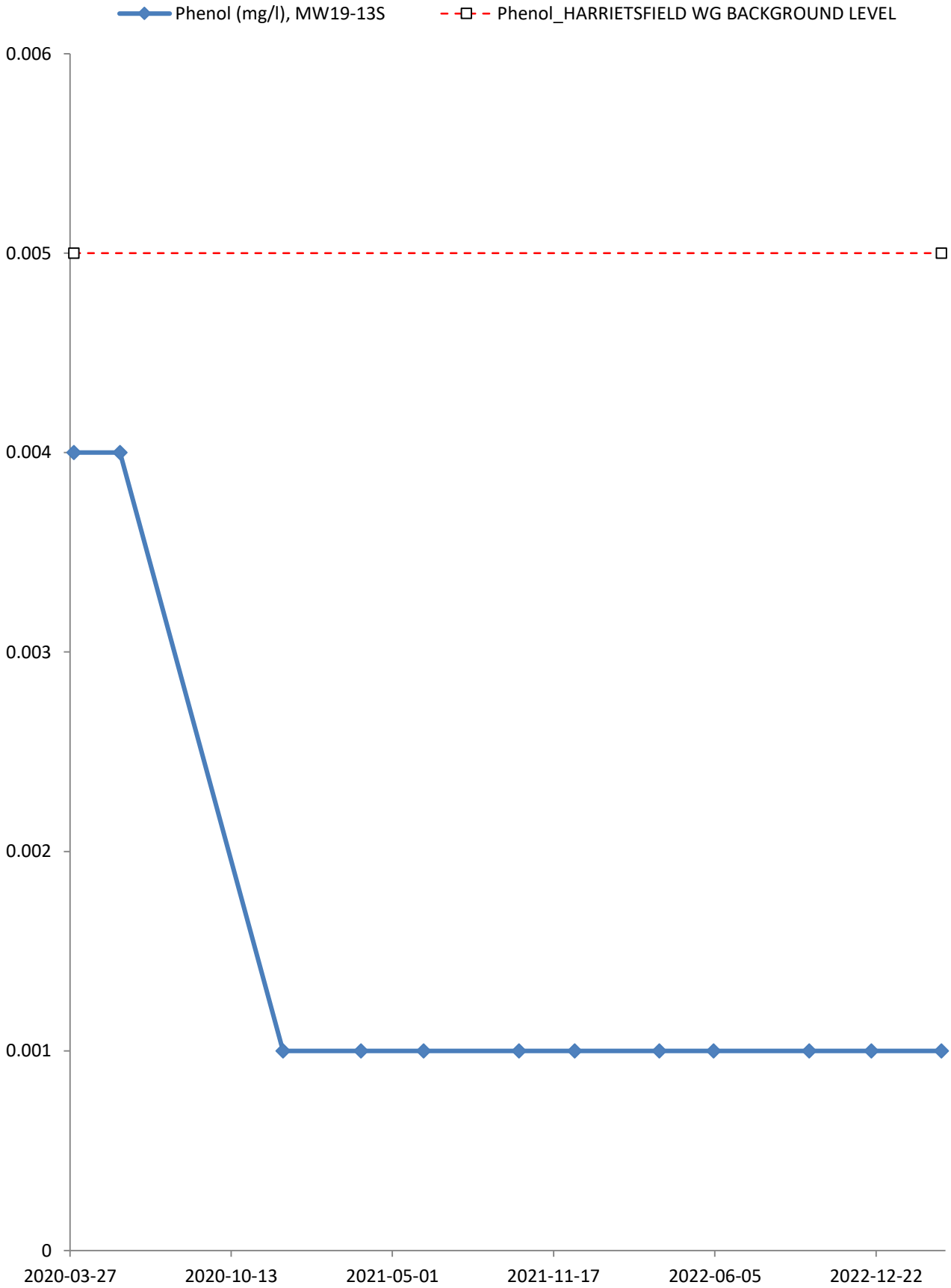


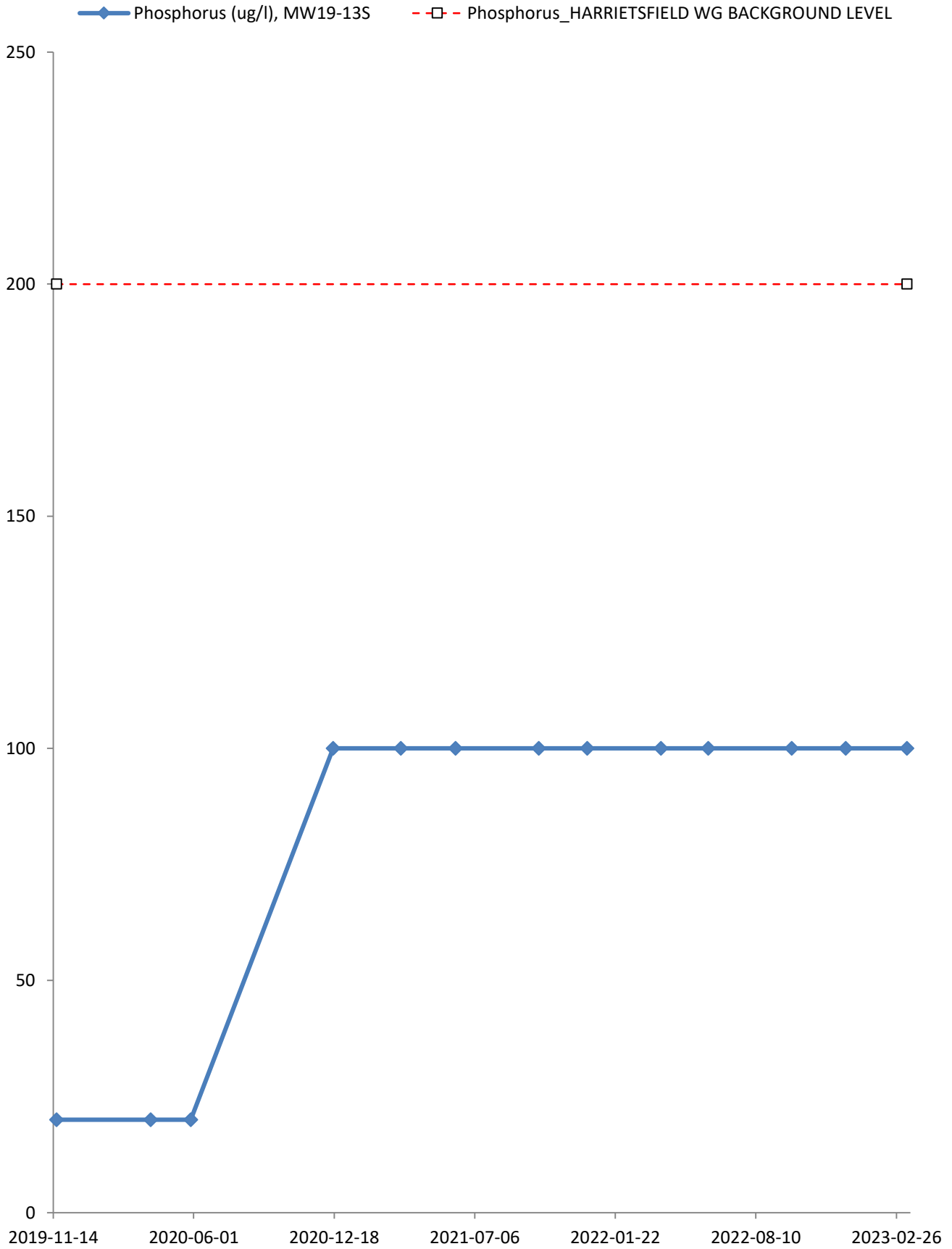
—◆— PHC F1 (C6-C10) min BTEX (mg/l), MW19-13S
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WG BACKGROUND LEVEL

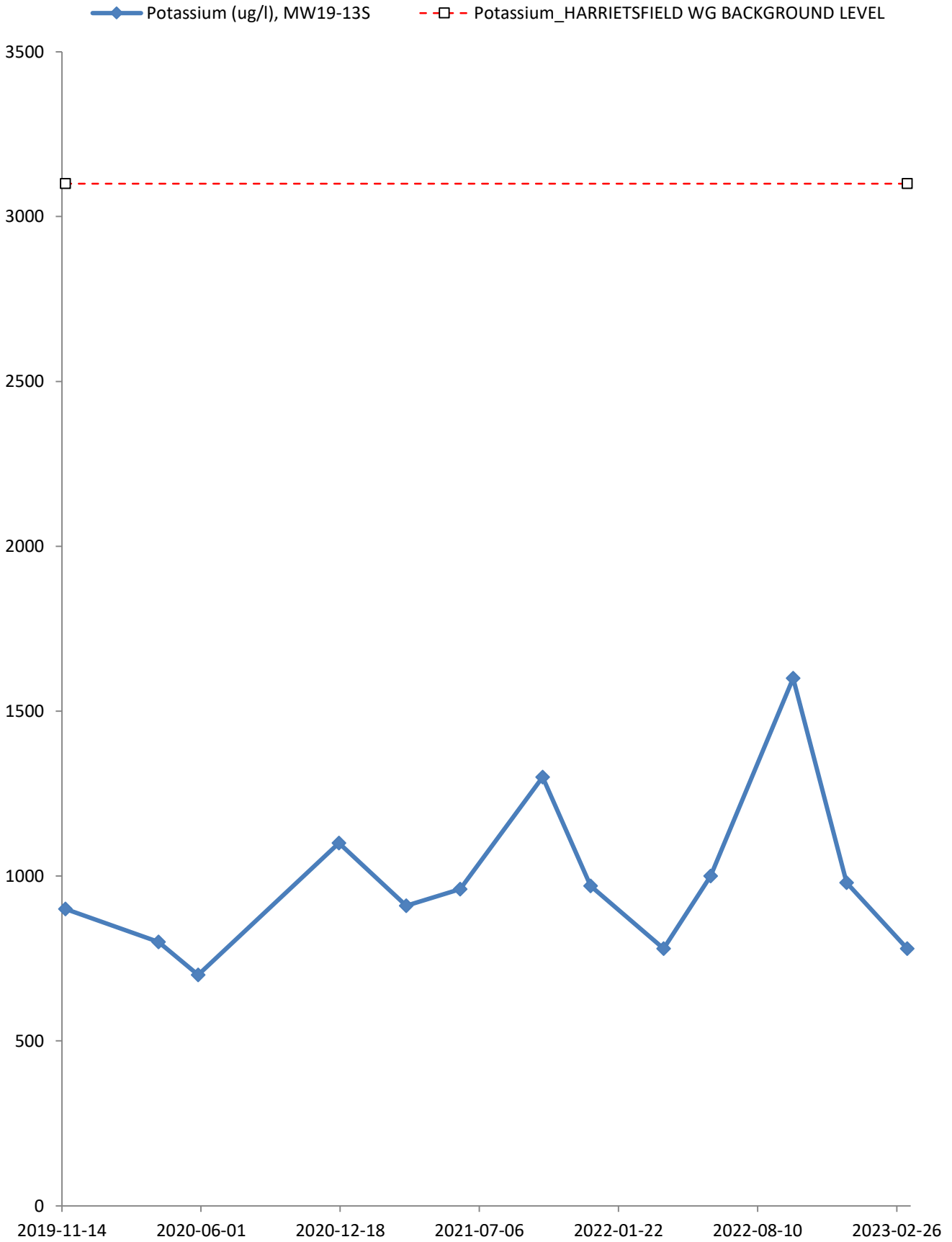


—◆— PHC F2 (>C10-C16) (mg/l), MW19-13S
- -□- PHC F2 (>C10-C16)_HARRIETSFIELD WG BACKGROUND LEVEL

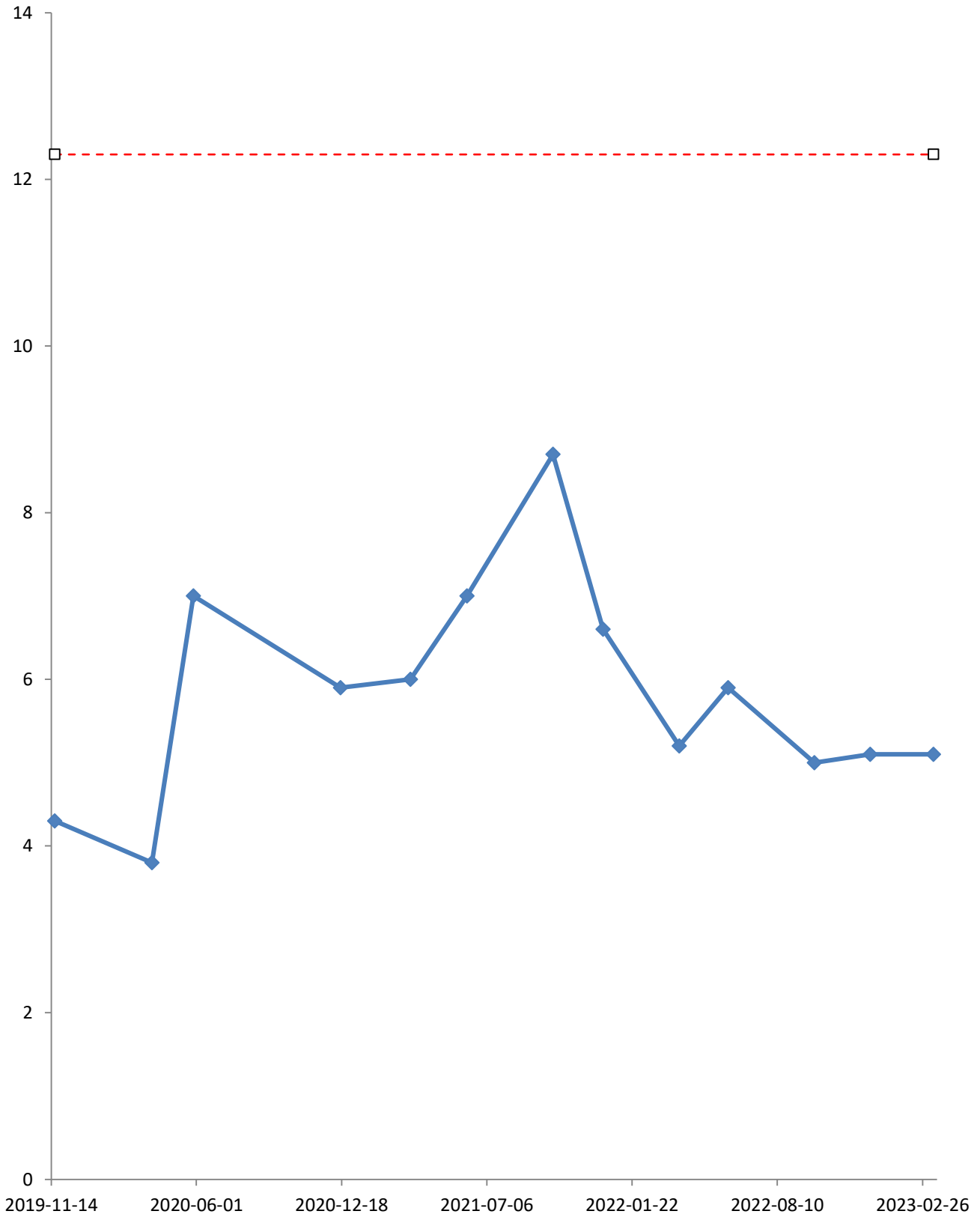




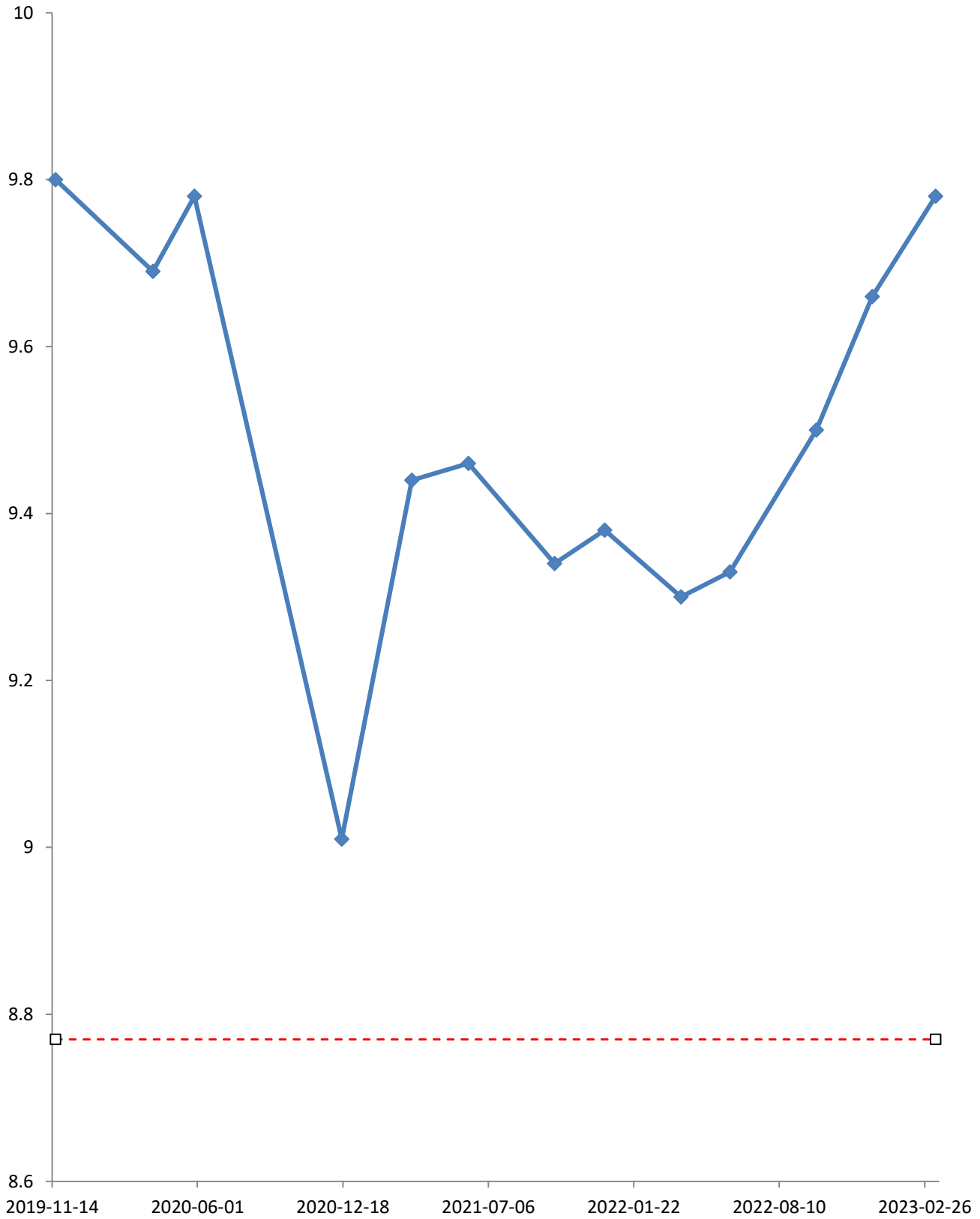




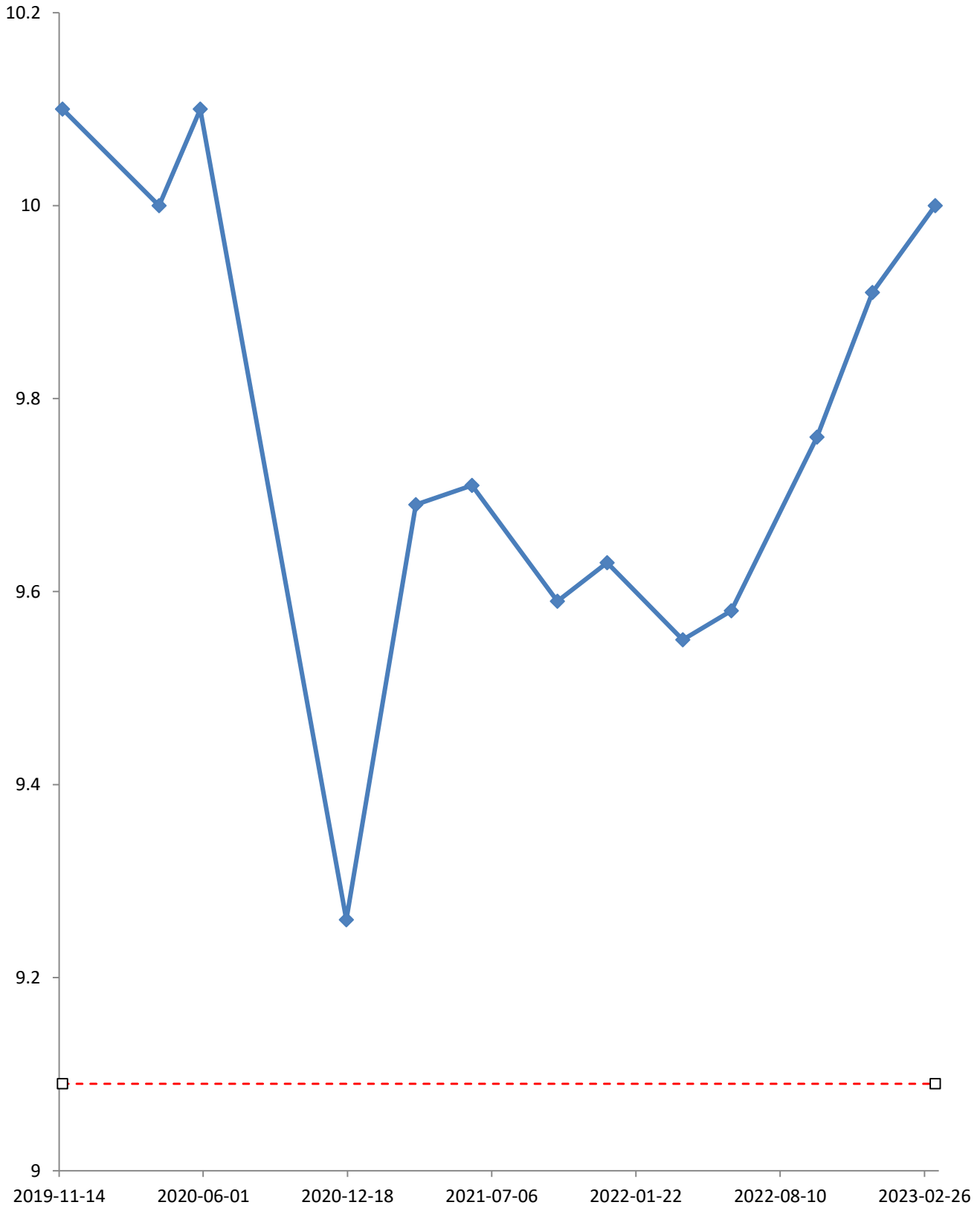
—◆— Reactive Silica (SiO₂) (mg/l), MW19-13S
- -□- - Reactive Silica (SiO₂)_HARRIETSFIELD WG BACKGROUND LEVEL

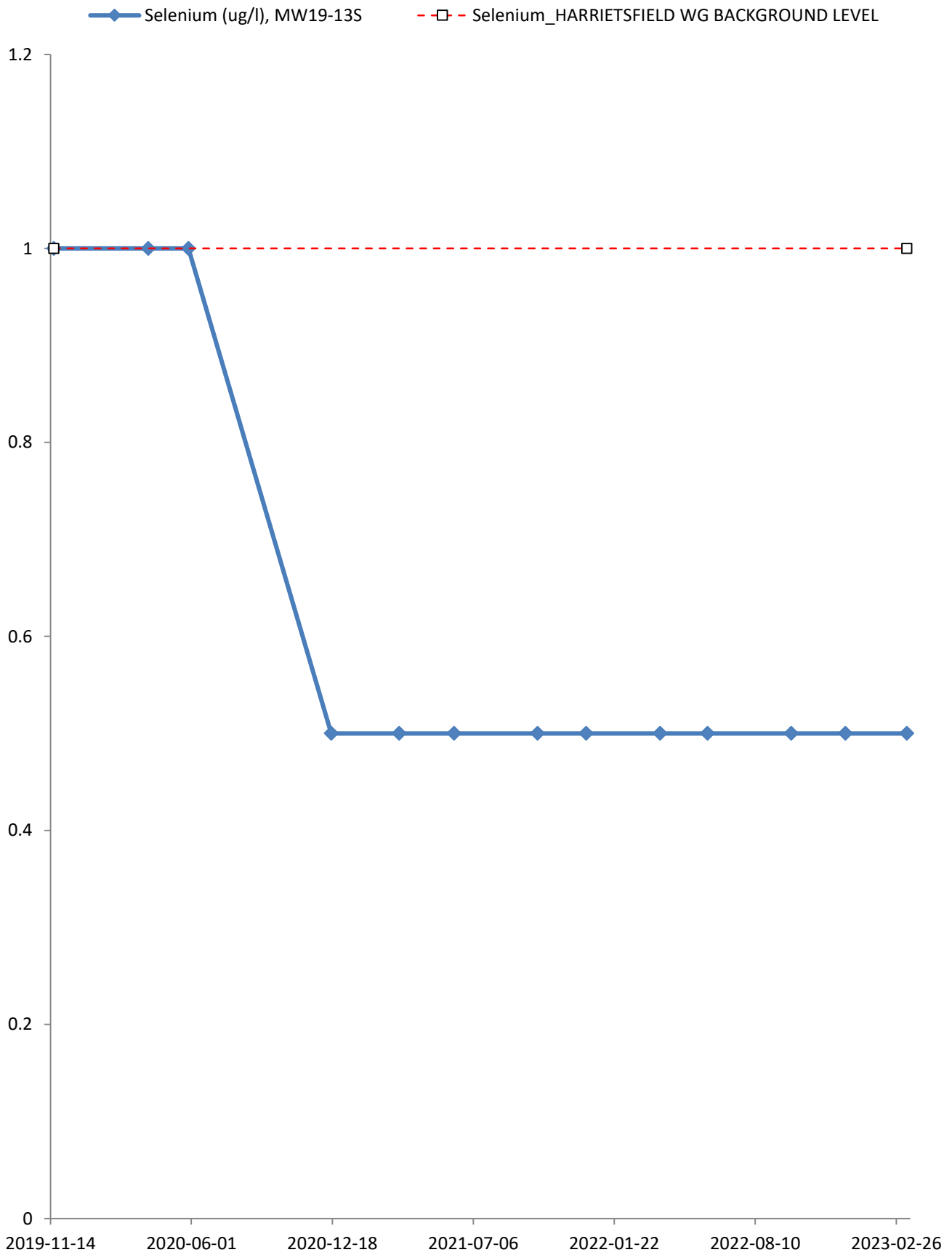


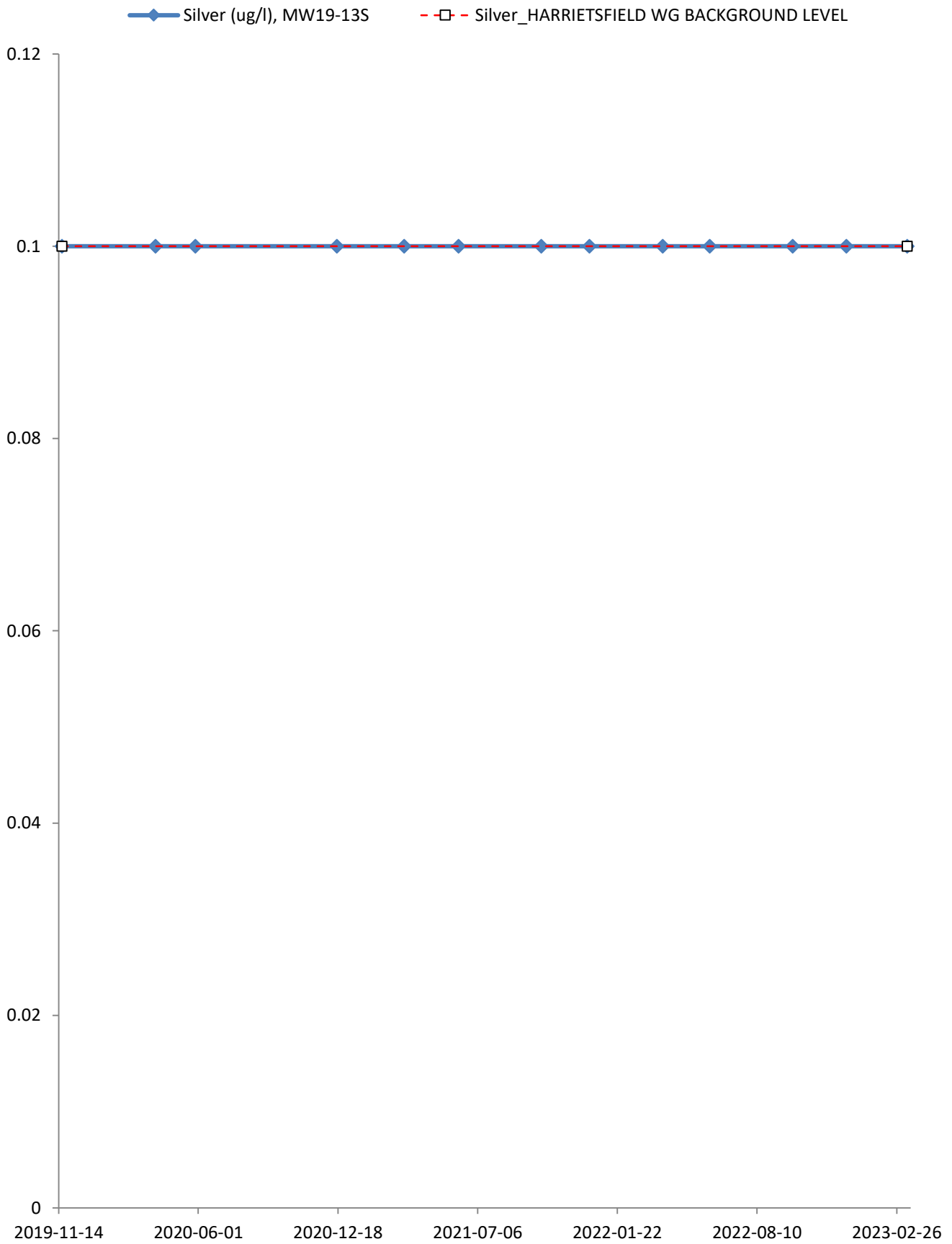
—◆— Saturation pH (at 20 C) (none), MW19-13S
- -□- - Saturation pH (at 20 C)_HARRIETSFIELD WG BACKGROUND LEVEL

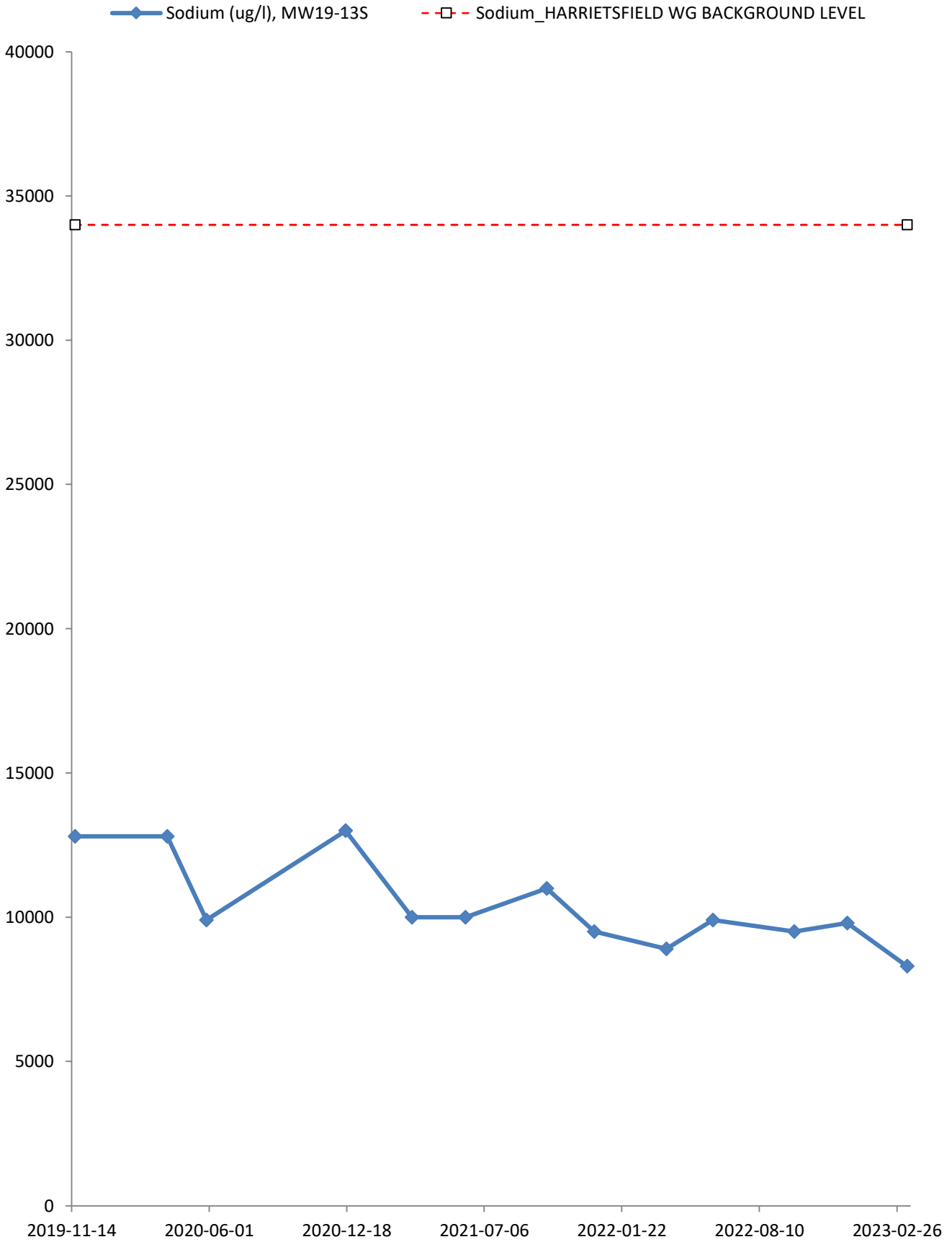


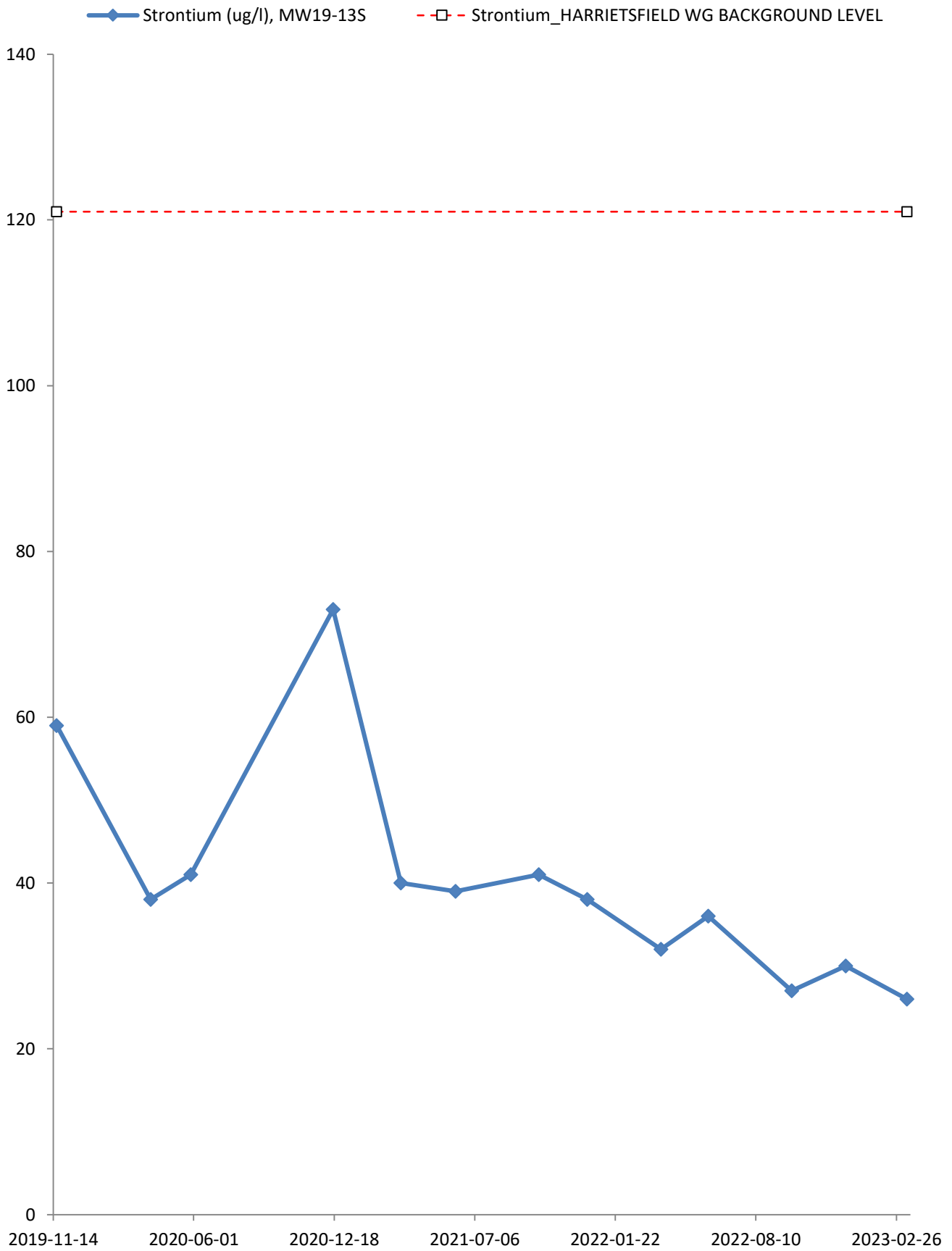
—◆— Saturation pH (at 4 C) (none), MW19-13S
- -□- - Saturation pH (at 4 C)_HARRIETSFIELD WG BACKGROUND LEVEL

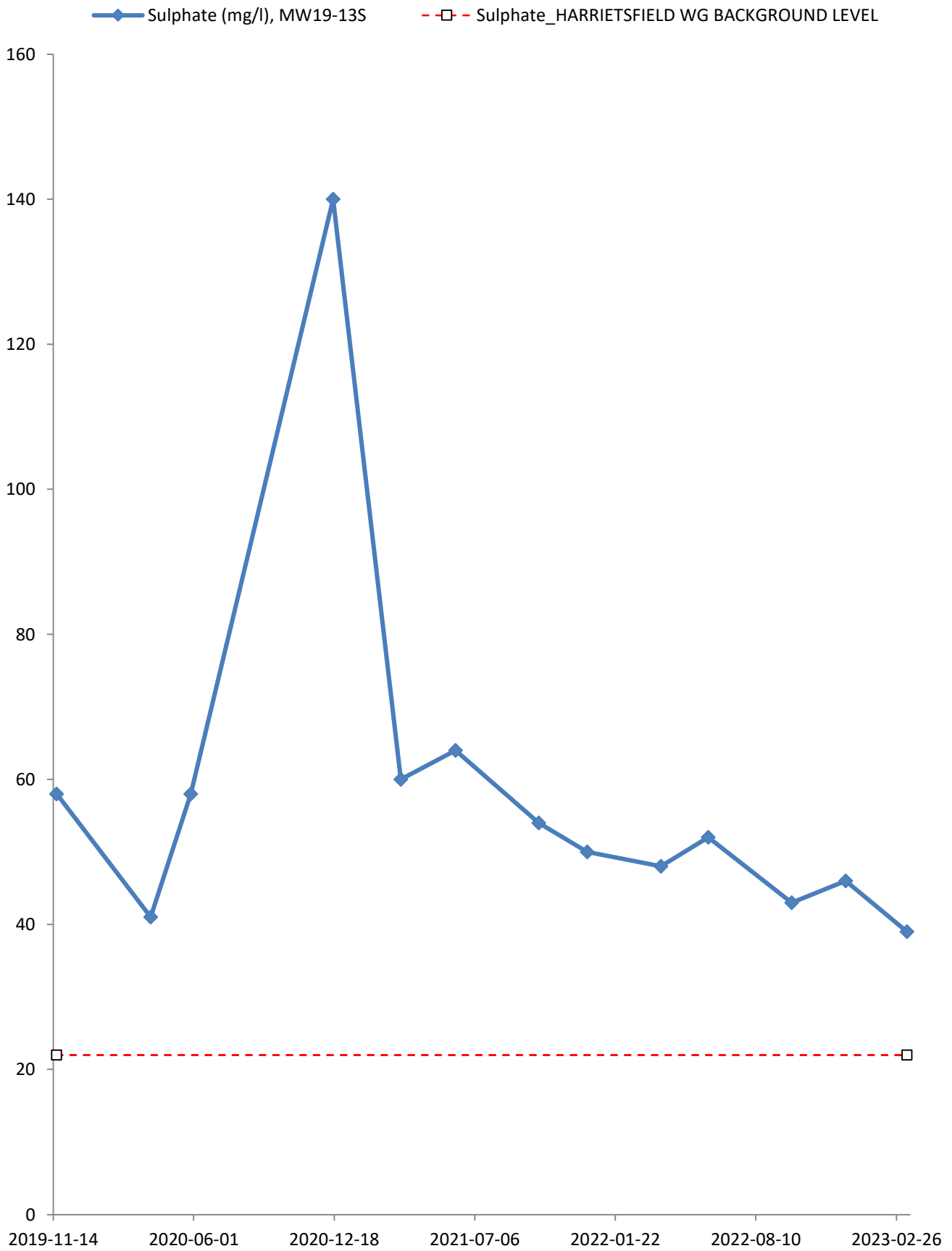


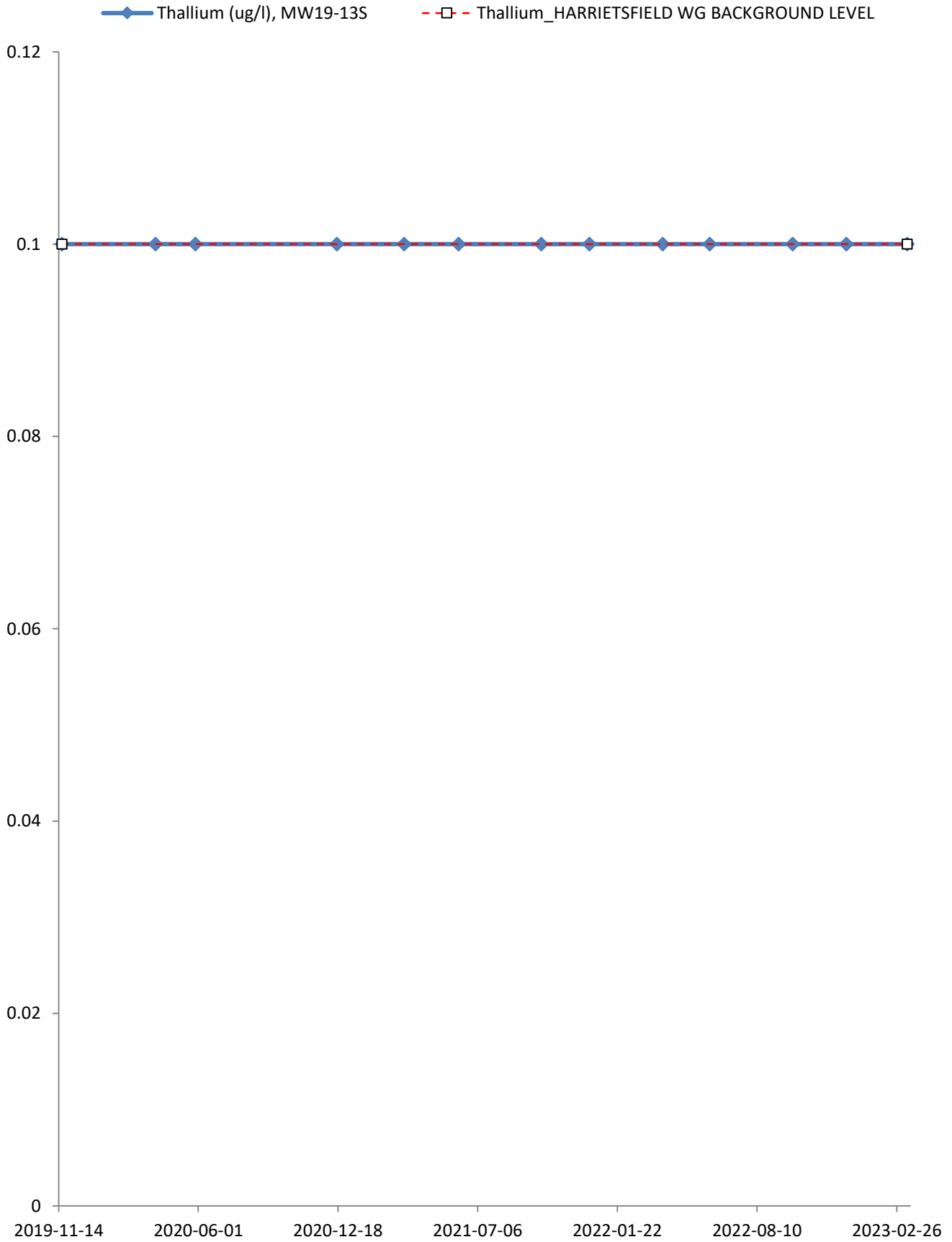


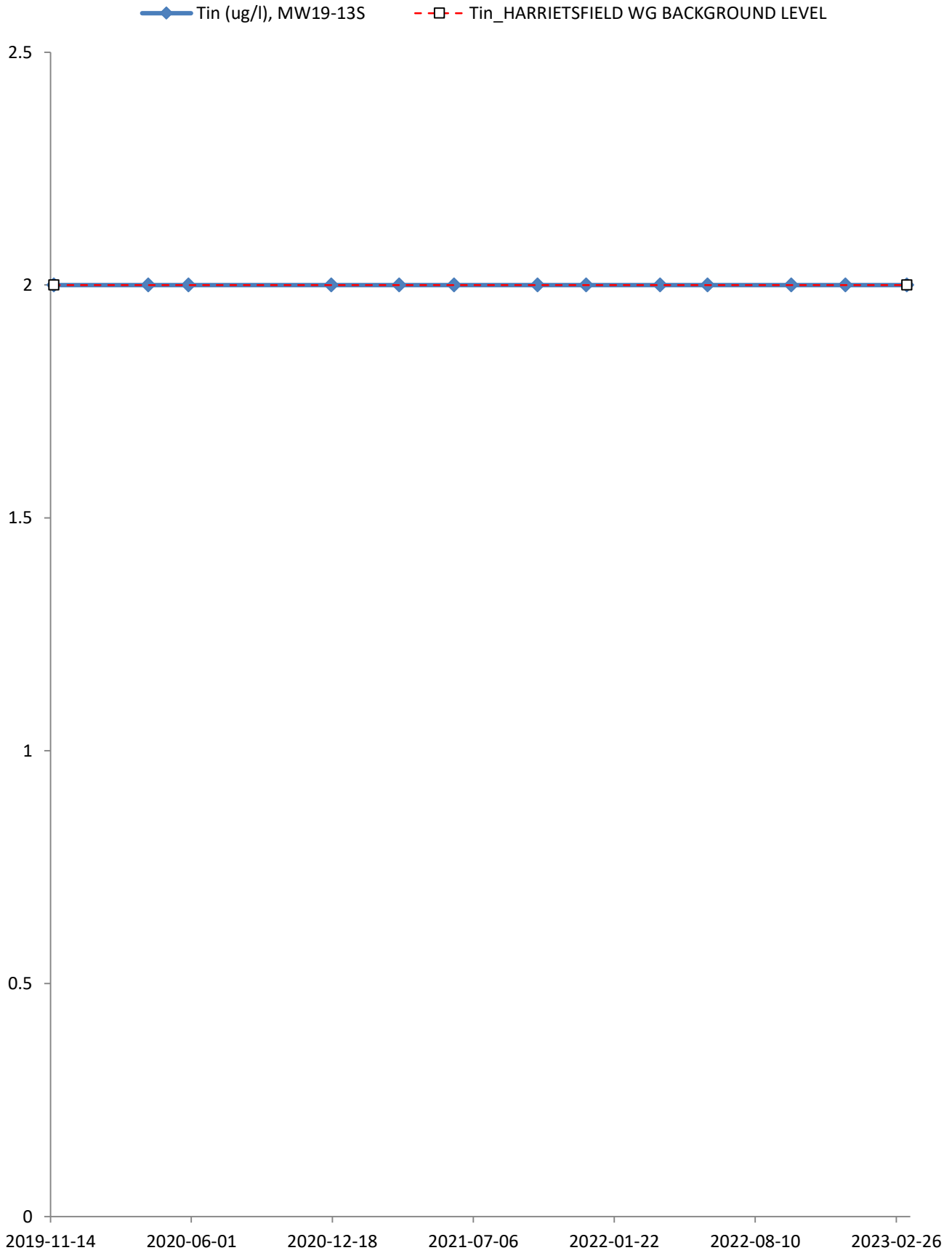


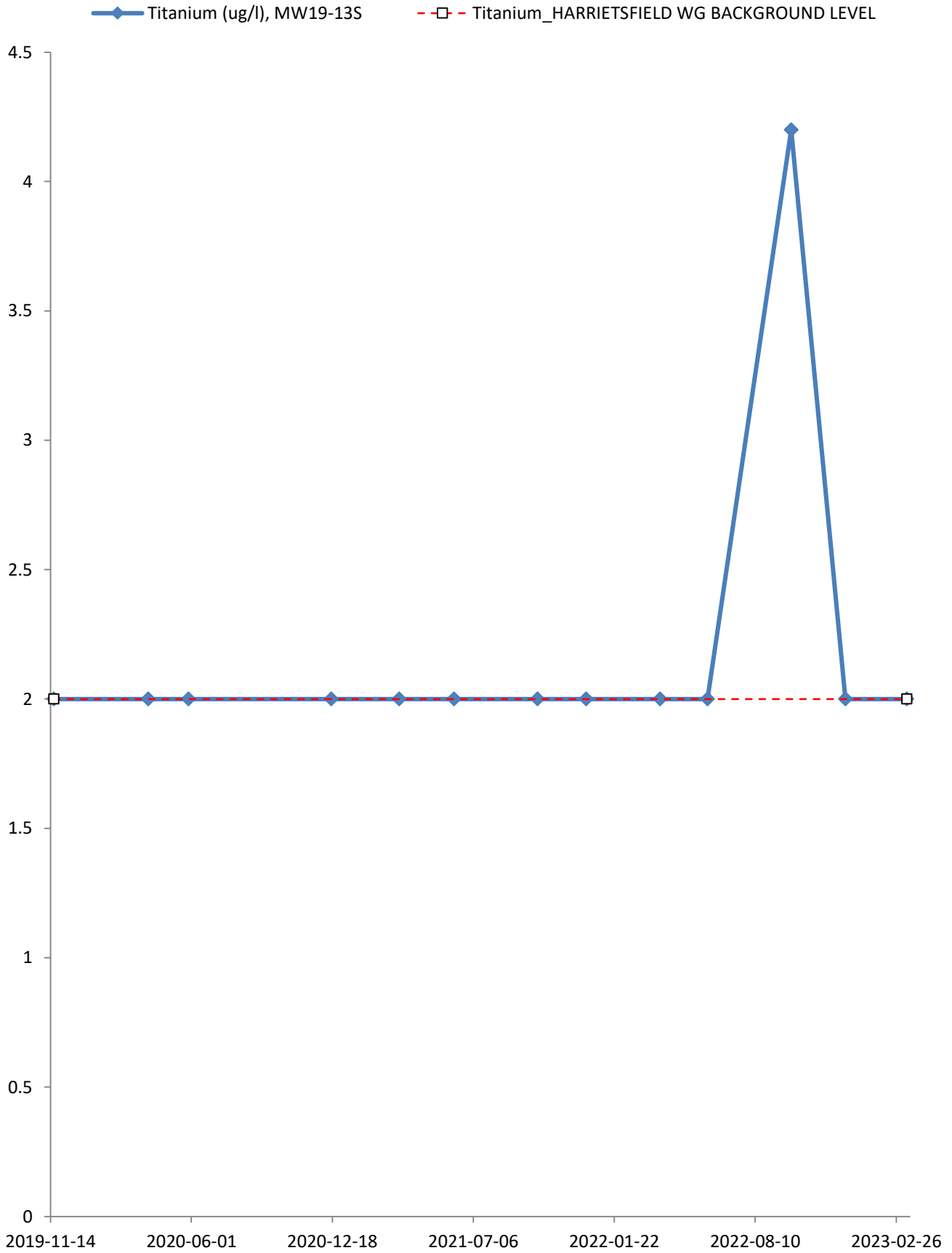


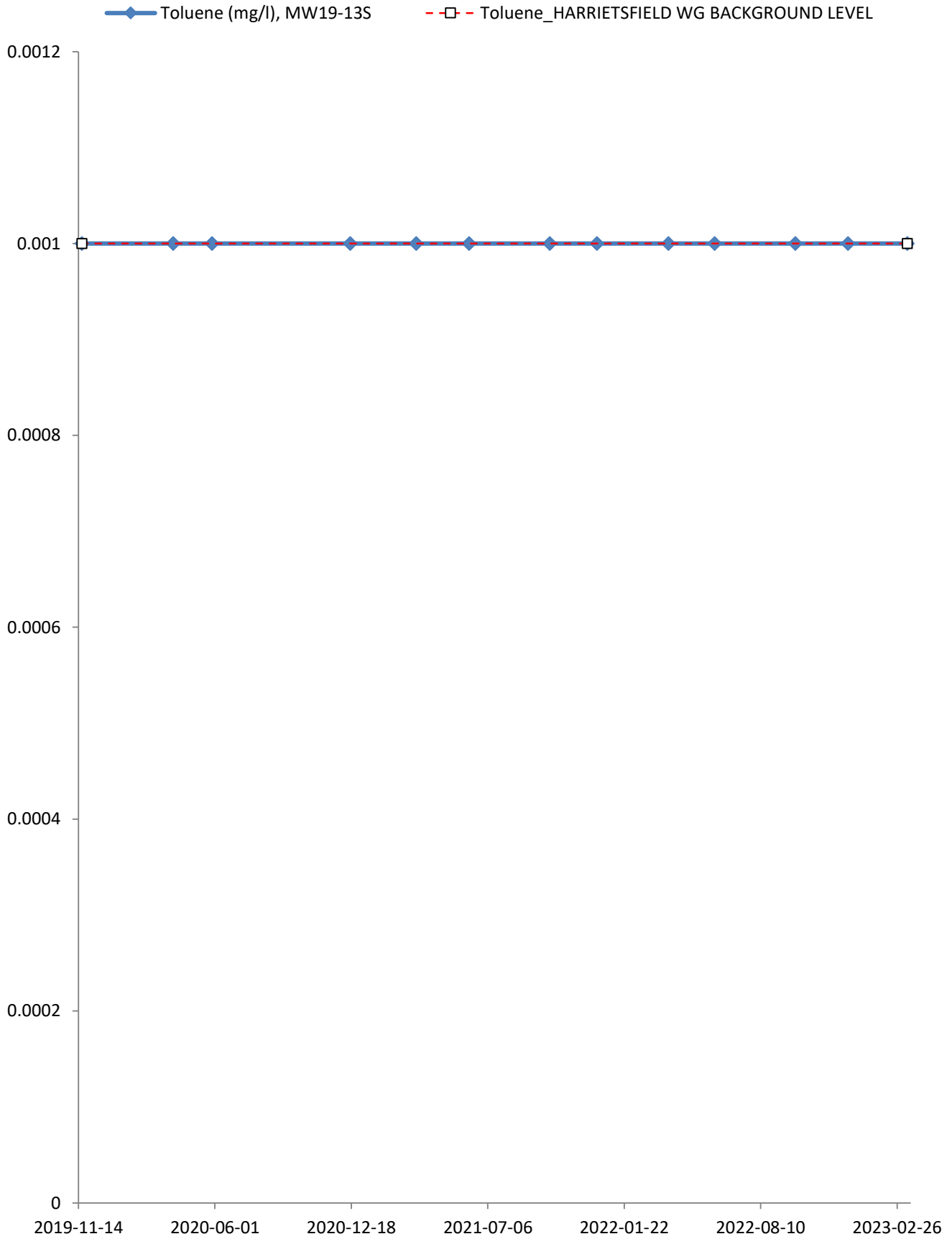




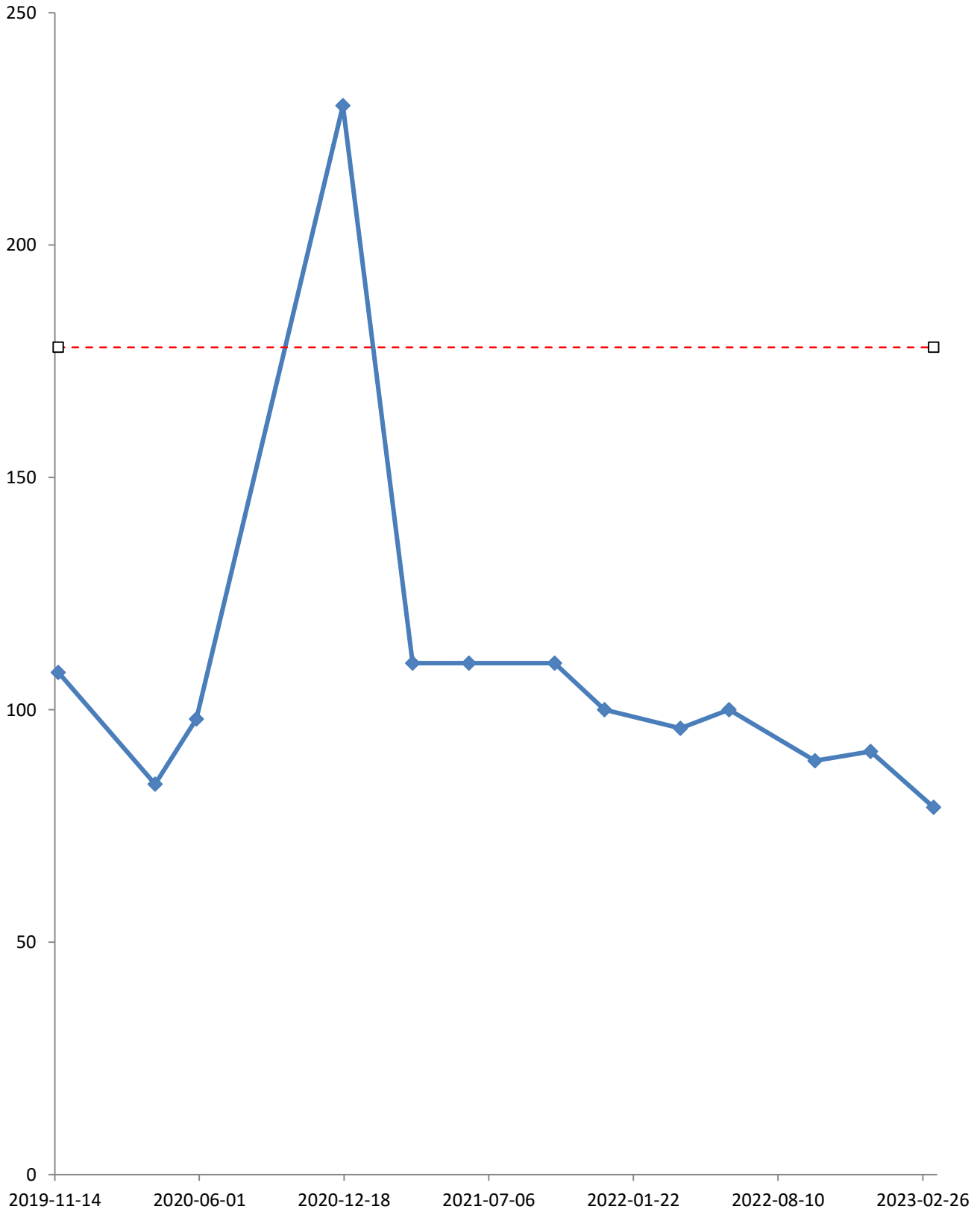


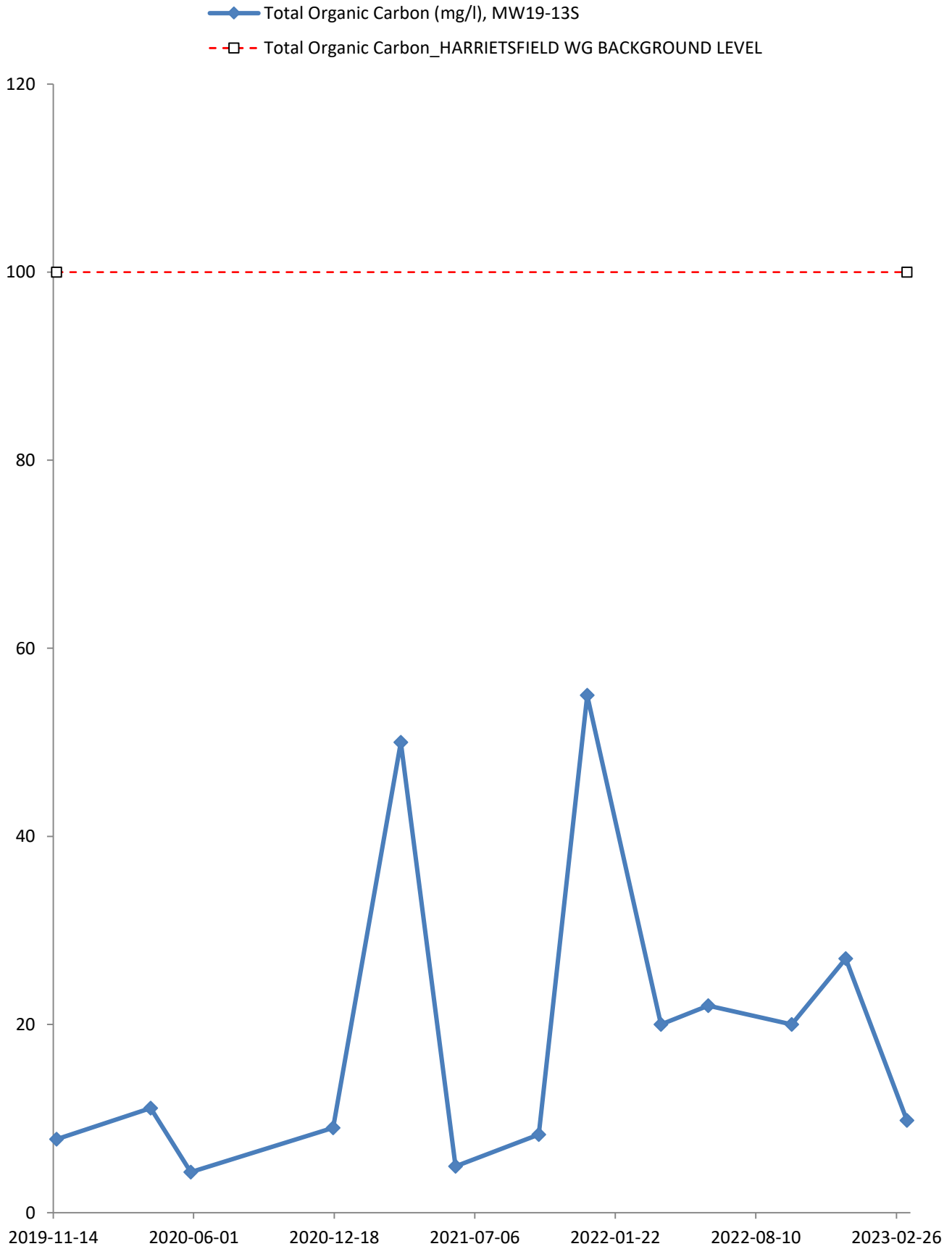




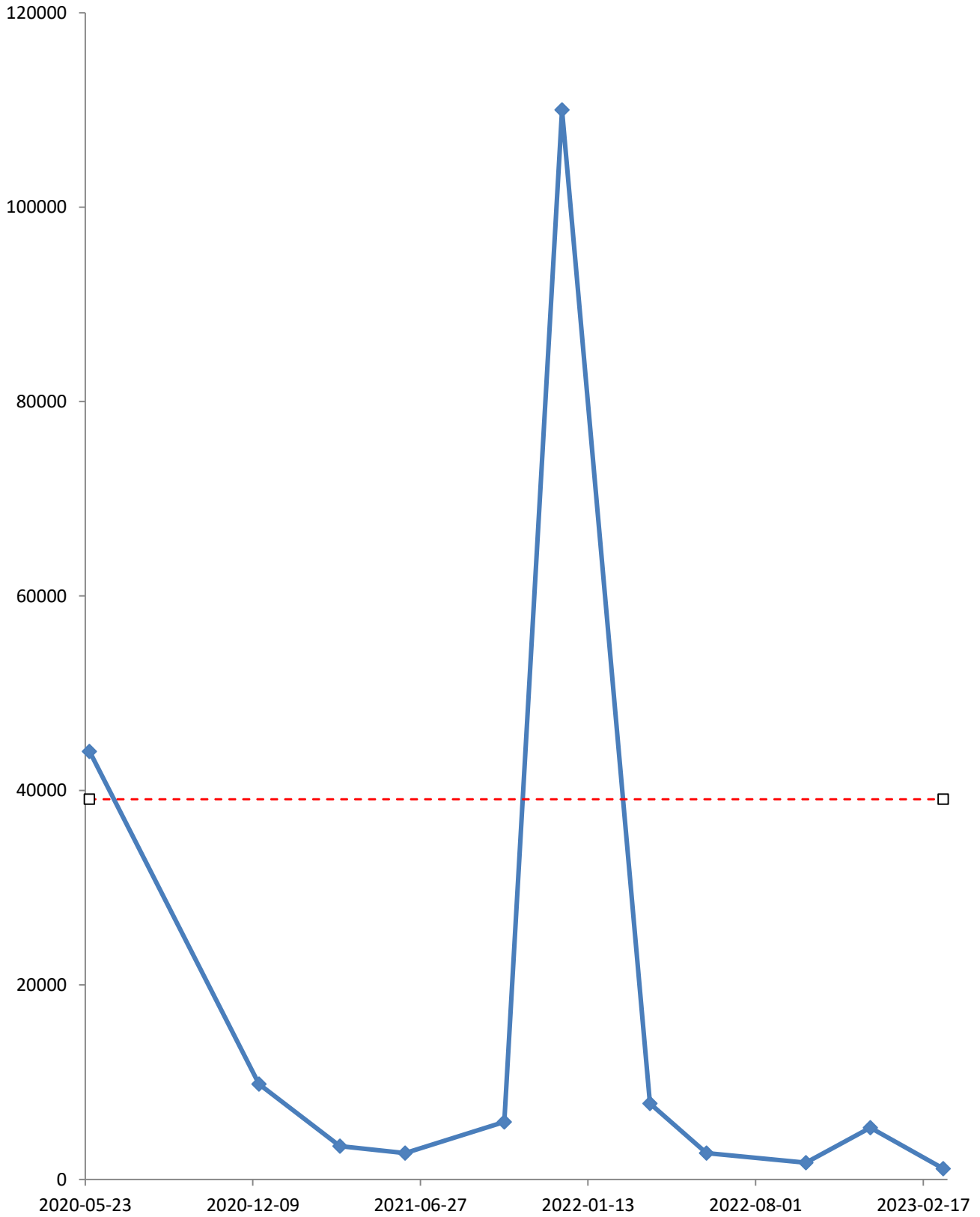


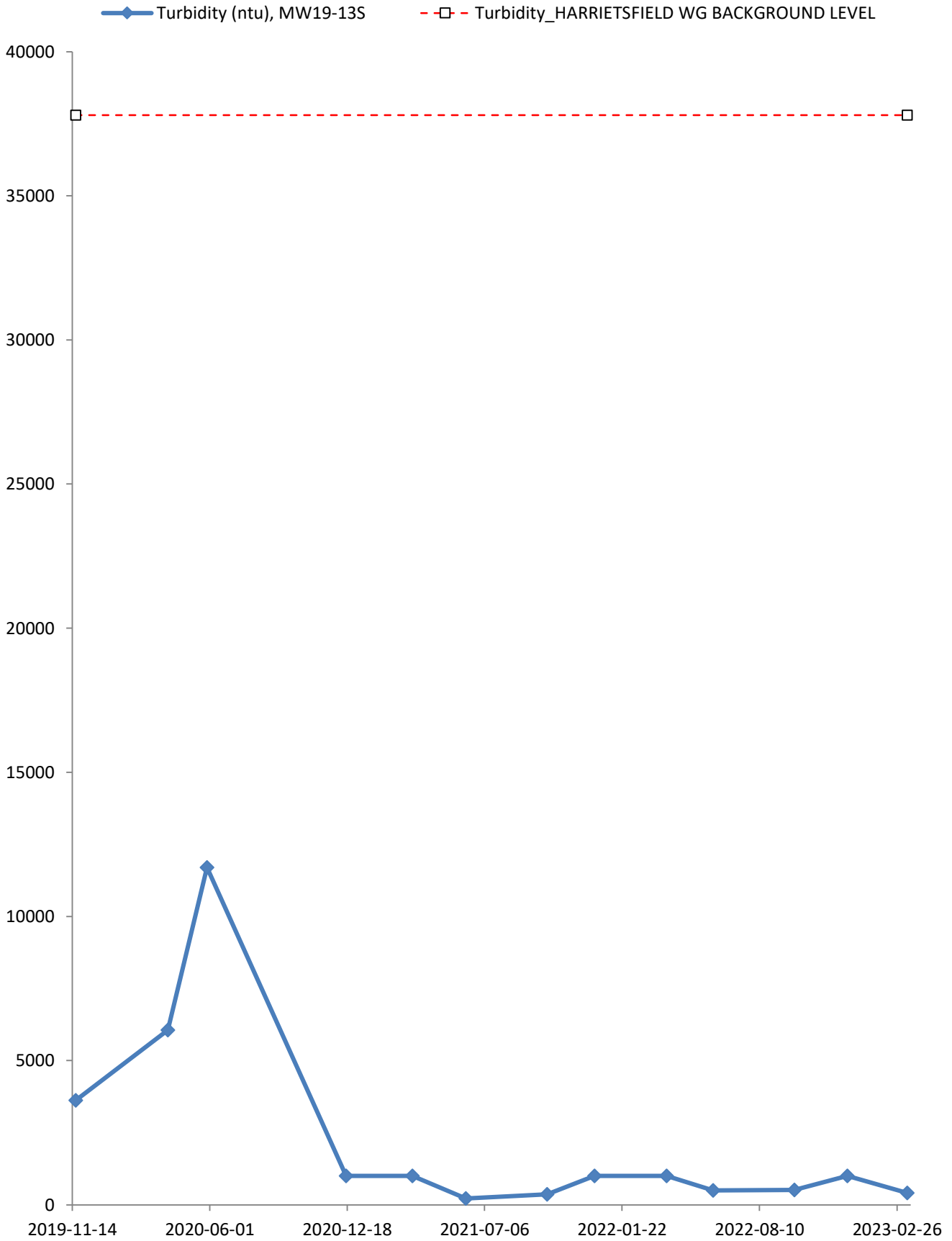
—◆— Total Diss Solids (Lab) (mg/l), MW19-13S
- - □ - - Total Diss Solids (Lab)_HARRIETSFIELD WG BACKGROUND LEVEL

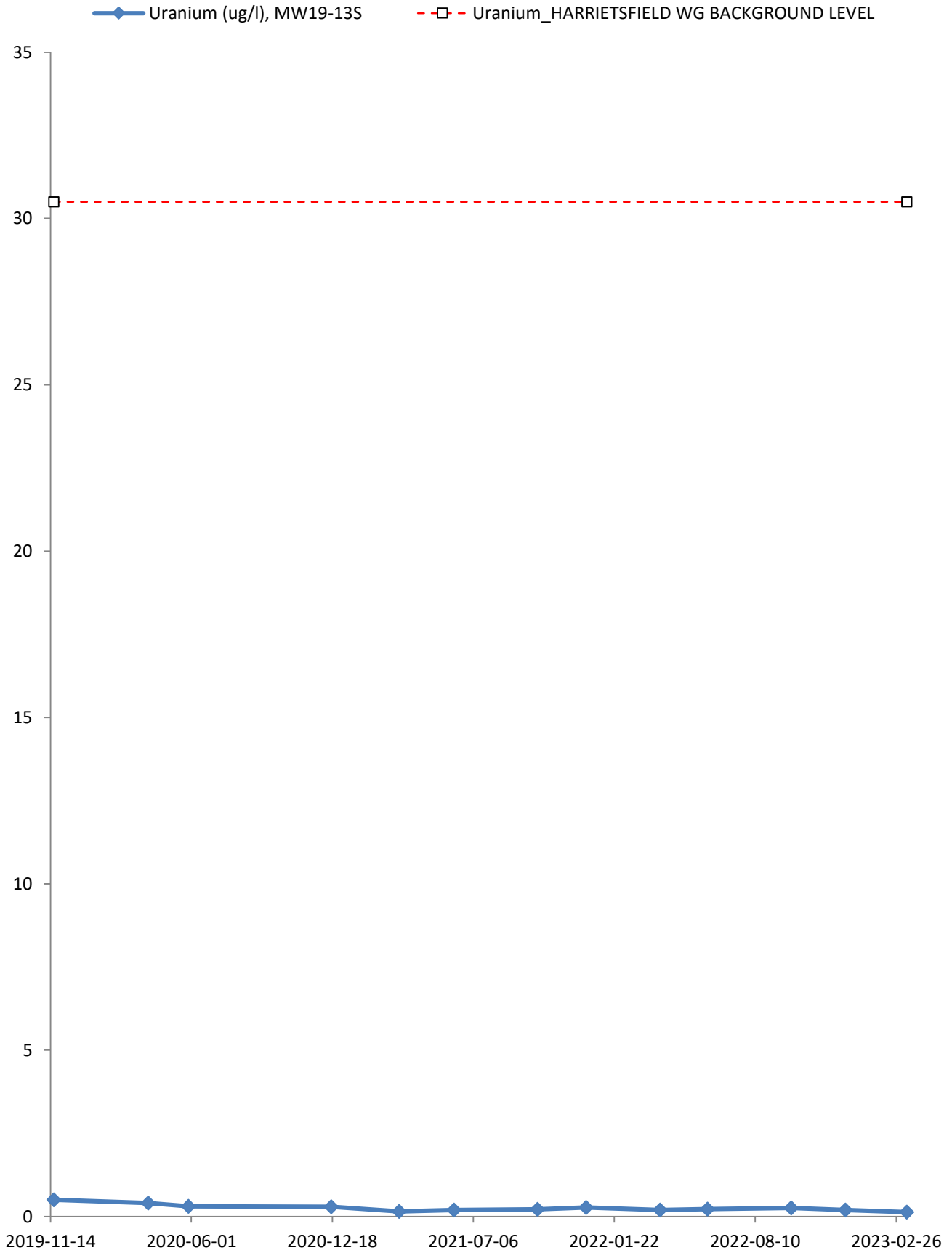


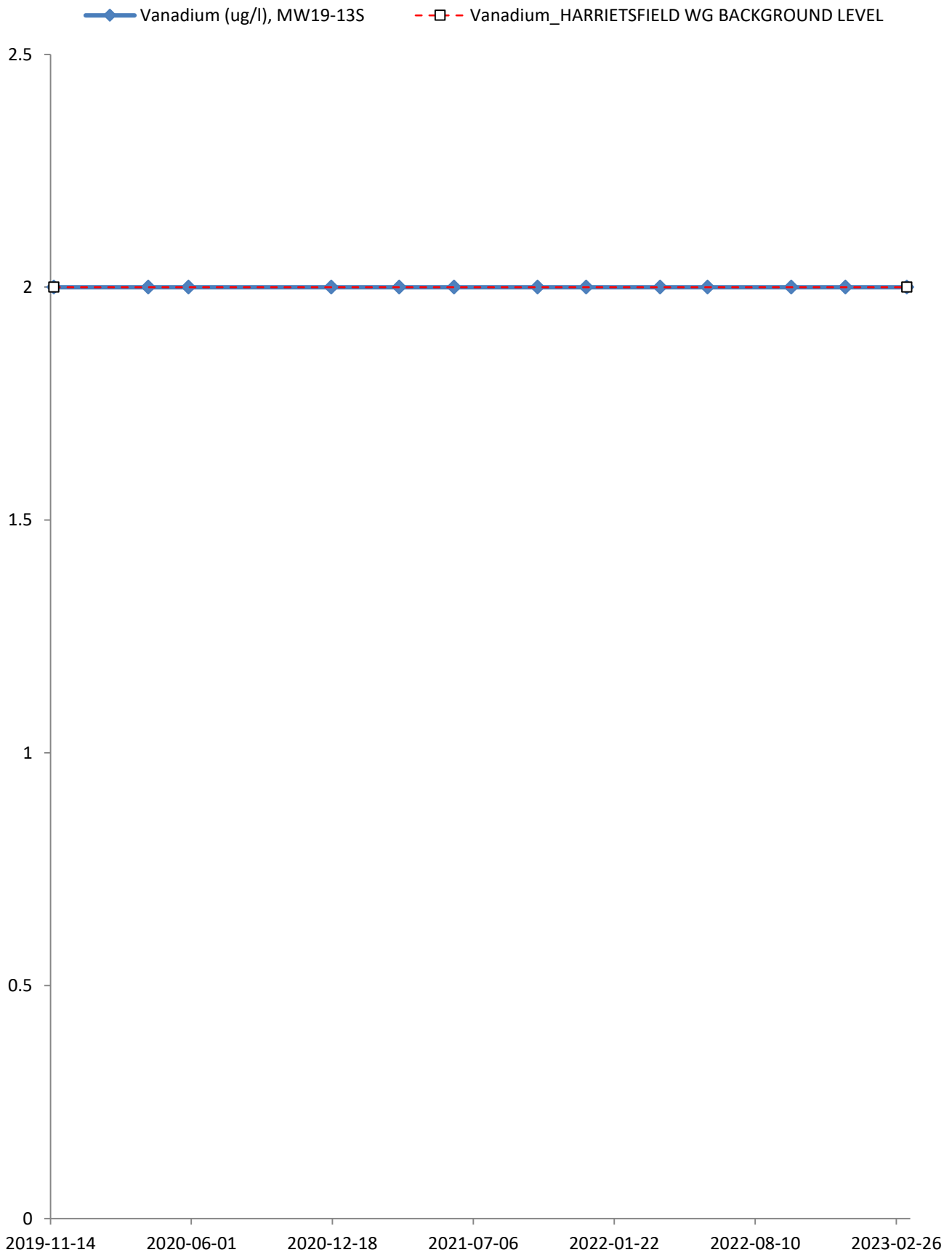


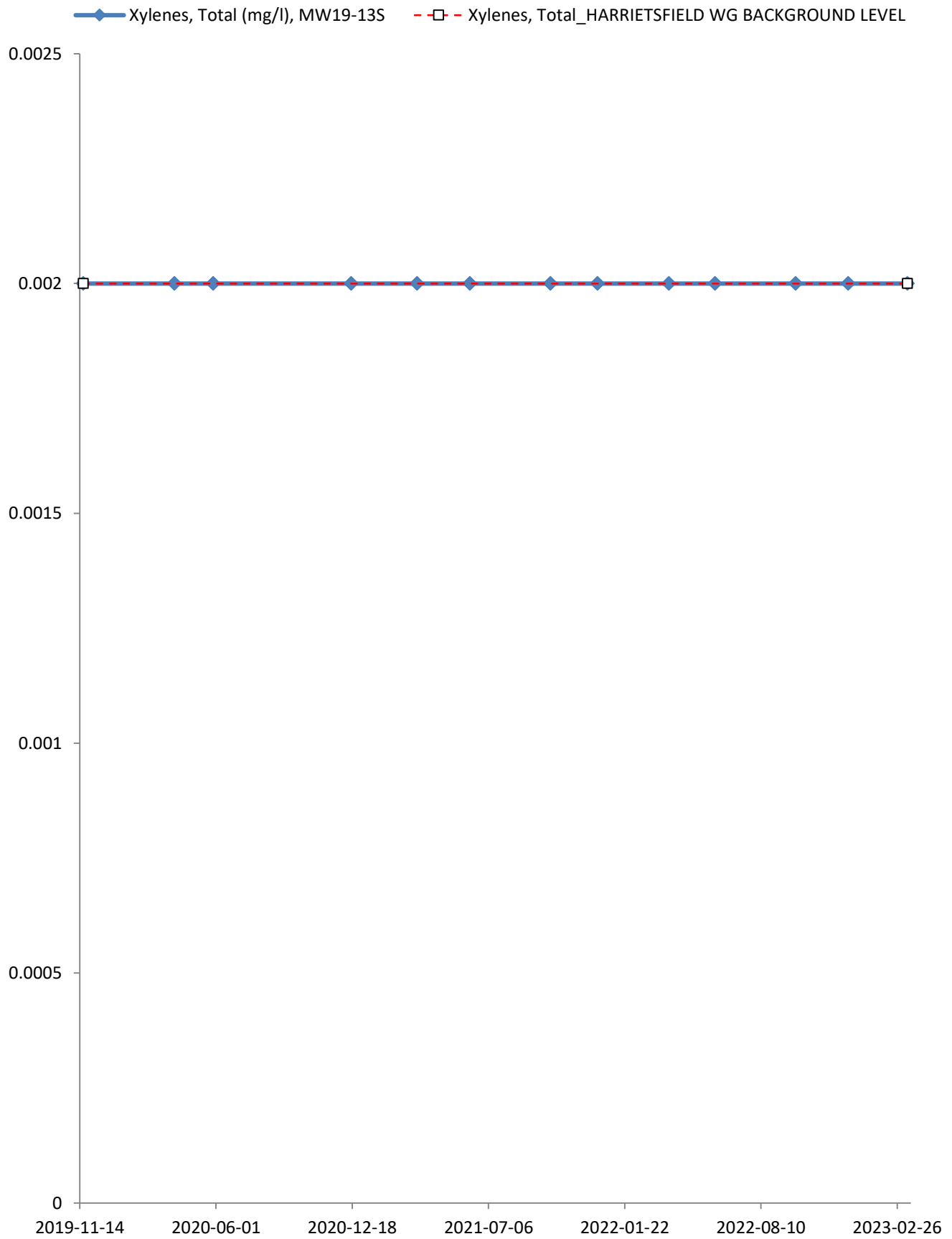
◆ Total Suspended Solids (mg/l), MW19-13S
-□- Total Suspended Solids_HARRIETSFIELD WG BACKGROUND LEVEL

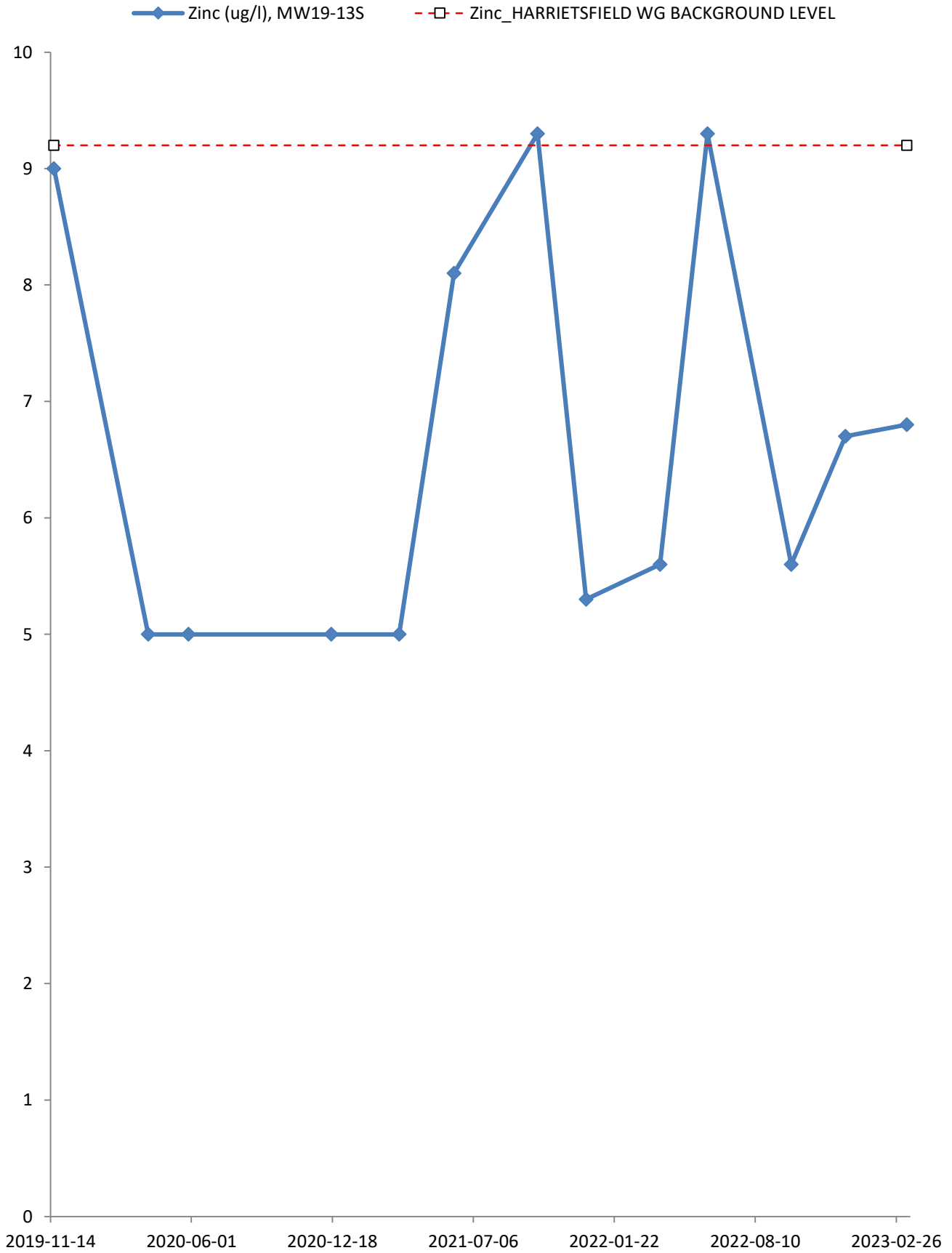




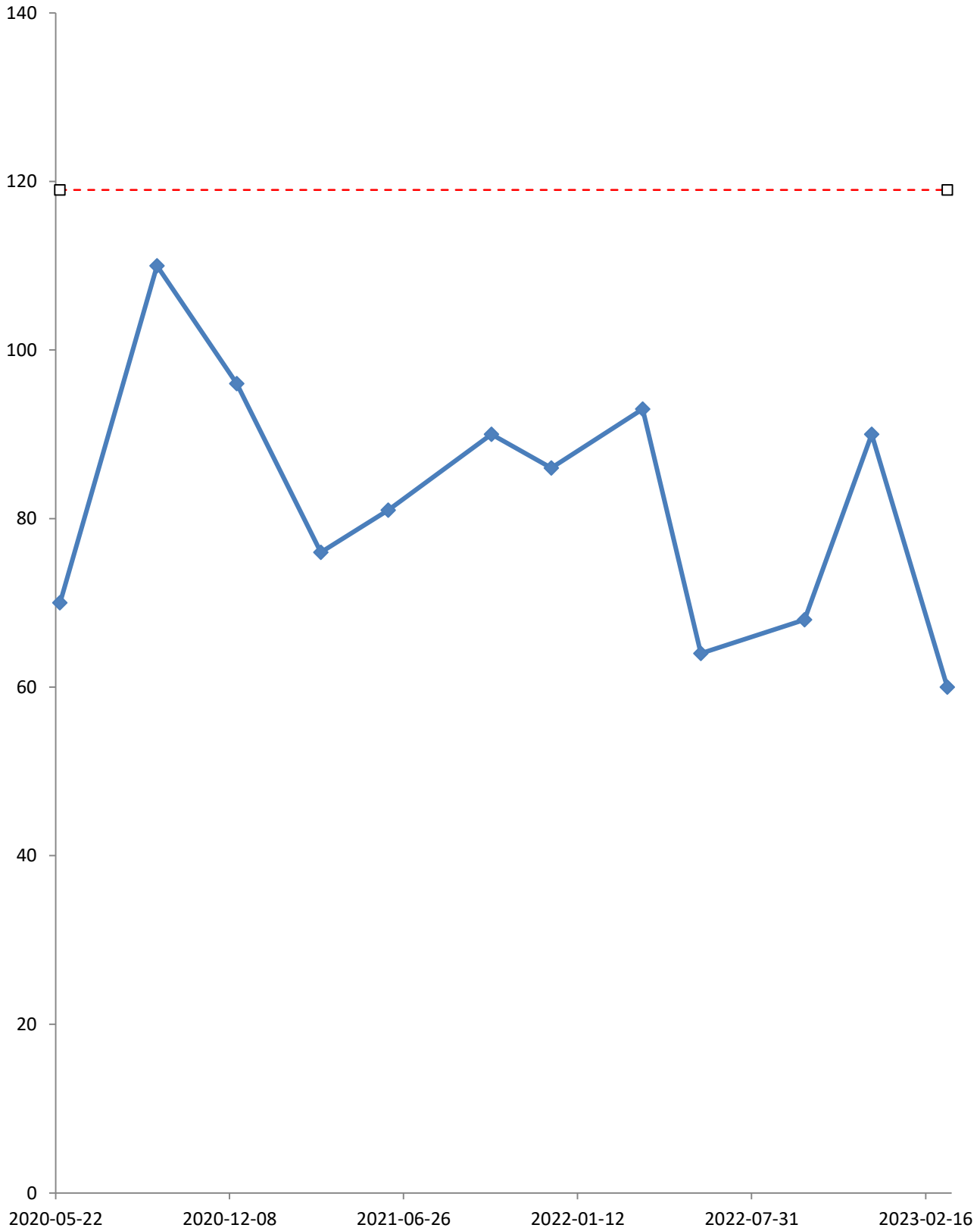




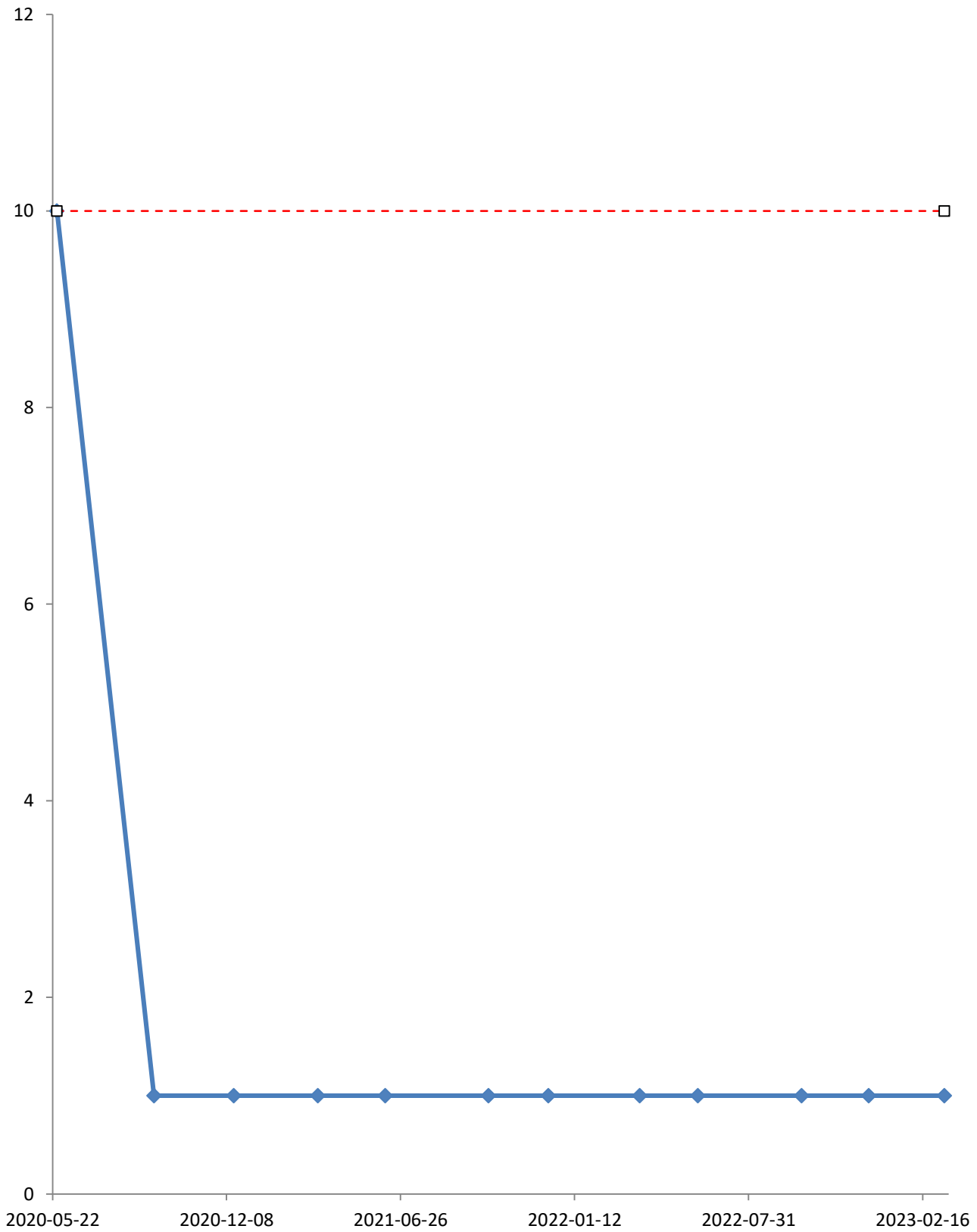


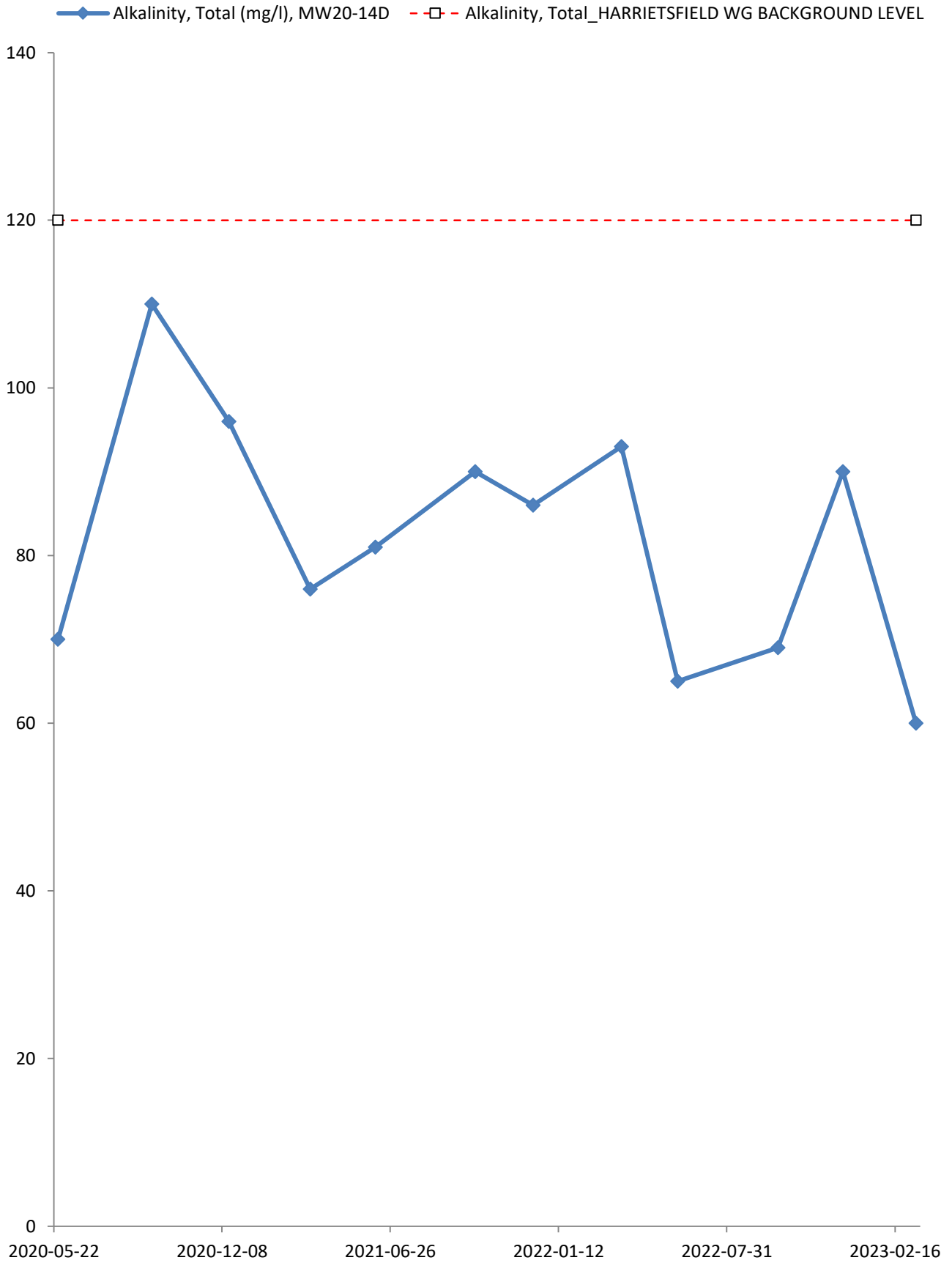


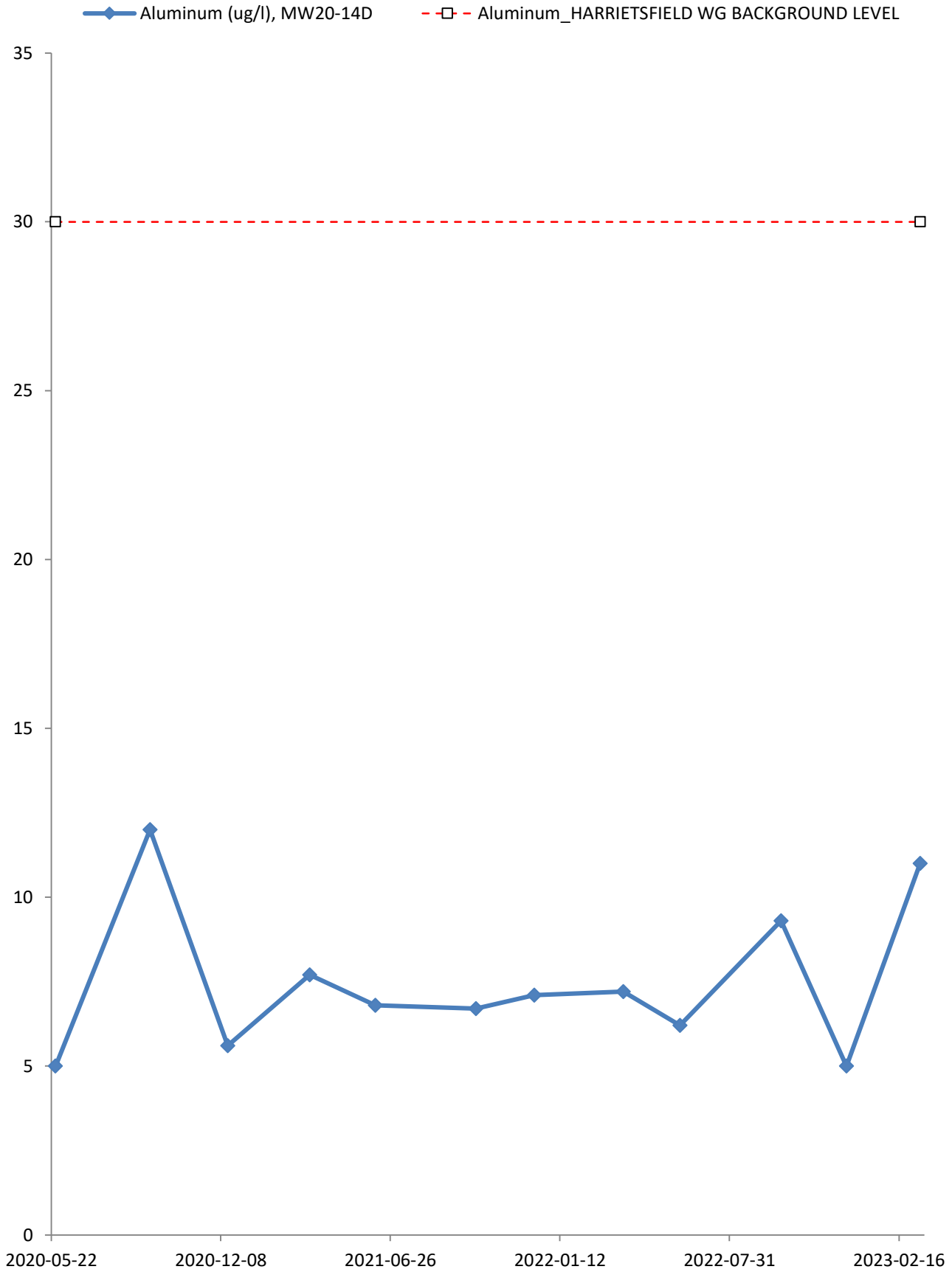
- Alkalinity, Bicarbonate (mg/l), MW20-14D
- Alkalinity, Bicarbonate_HARRIETSFIELD WG BACKGROUND LEVEL

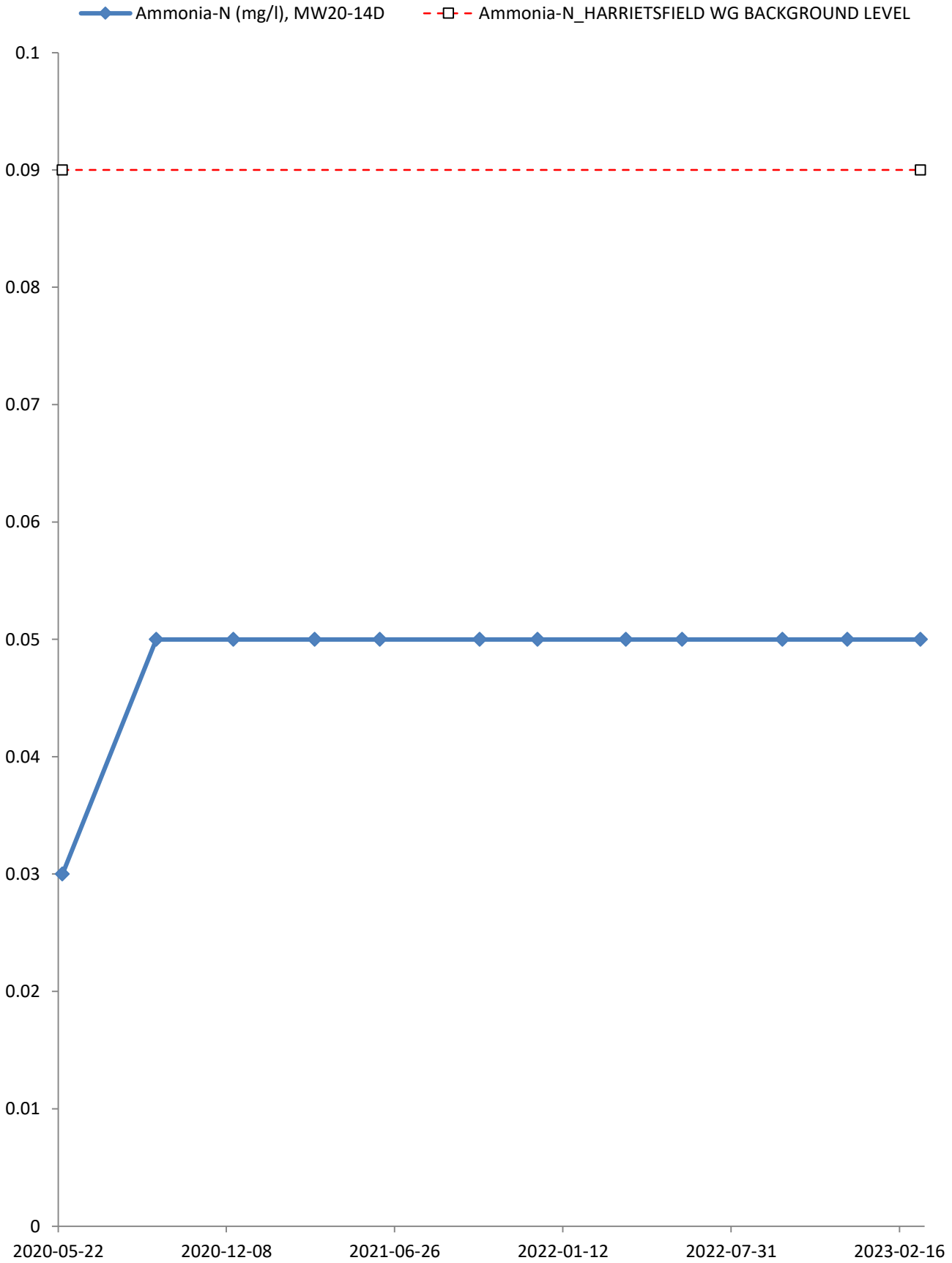


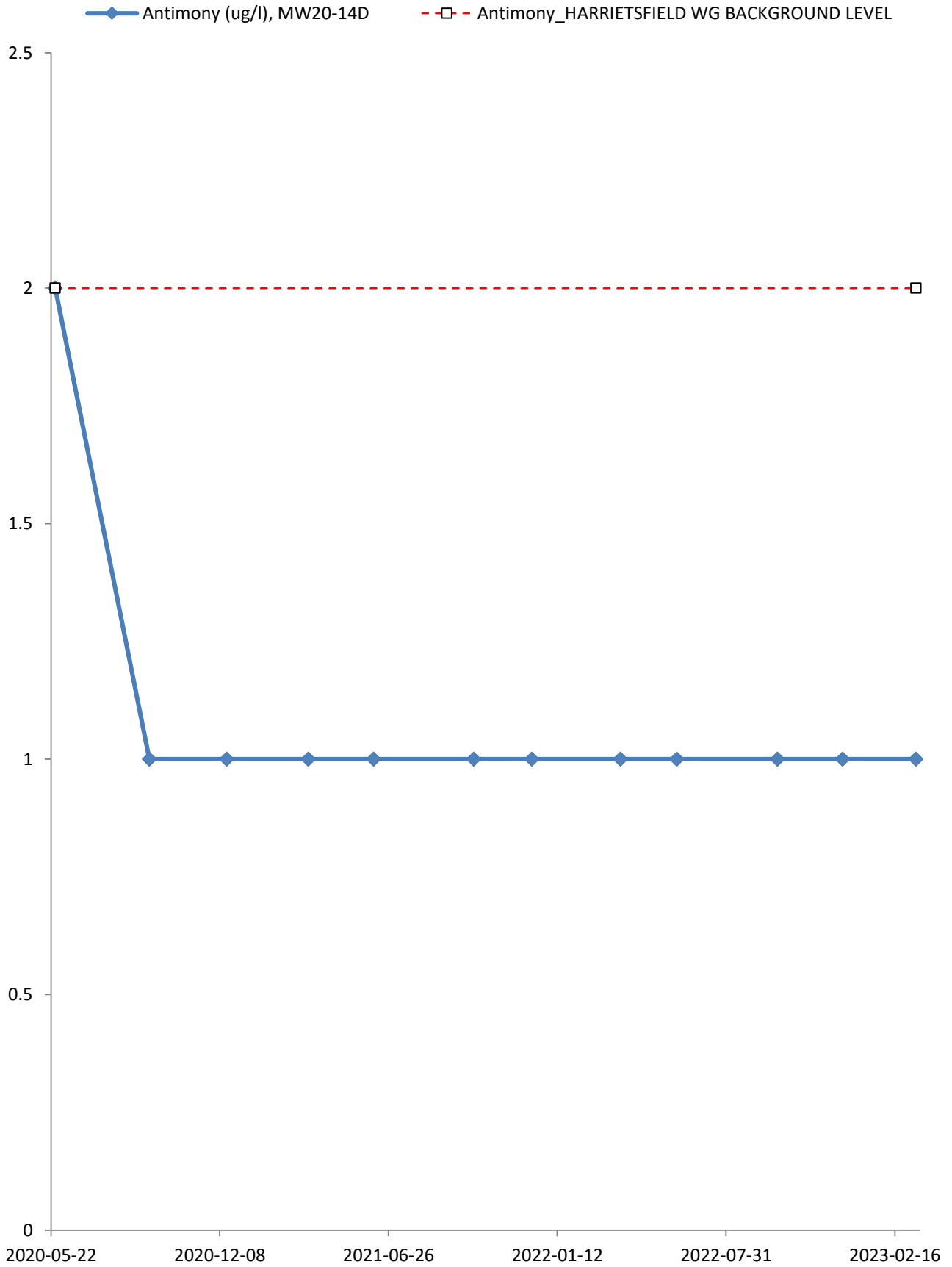
—◆— Alkalinity, Carbonate (mg/l), MW20-14D
- -□- - Alkalinity, Carbonate_HARRIETSFIELD WG BACKGROUND LEVEL

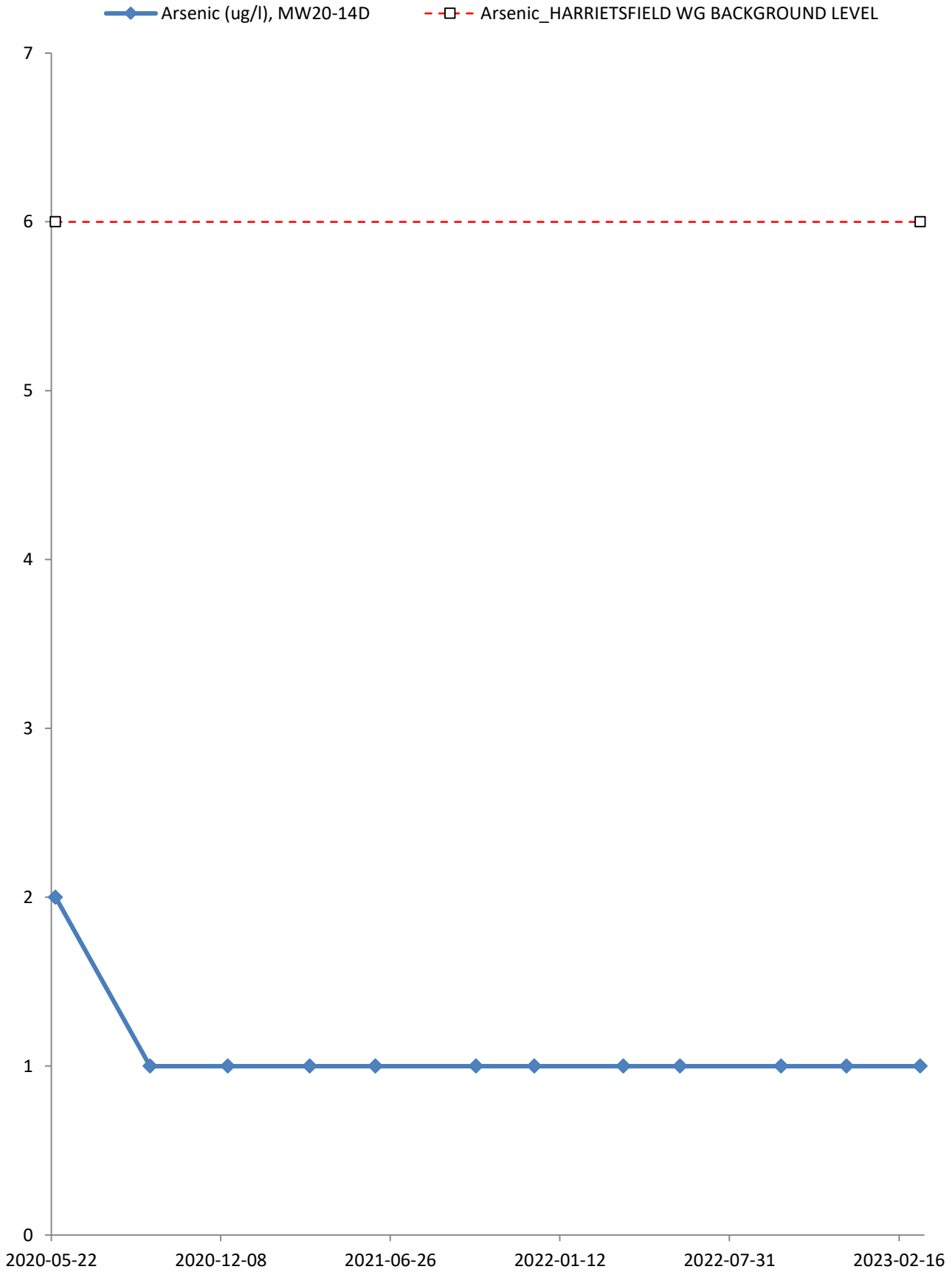


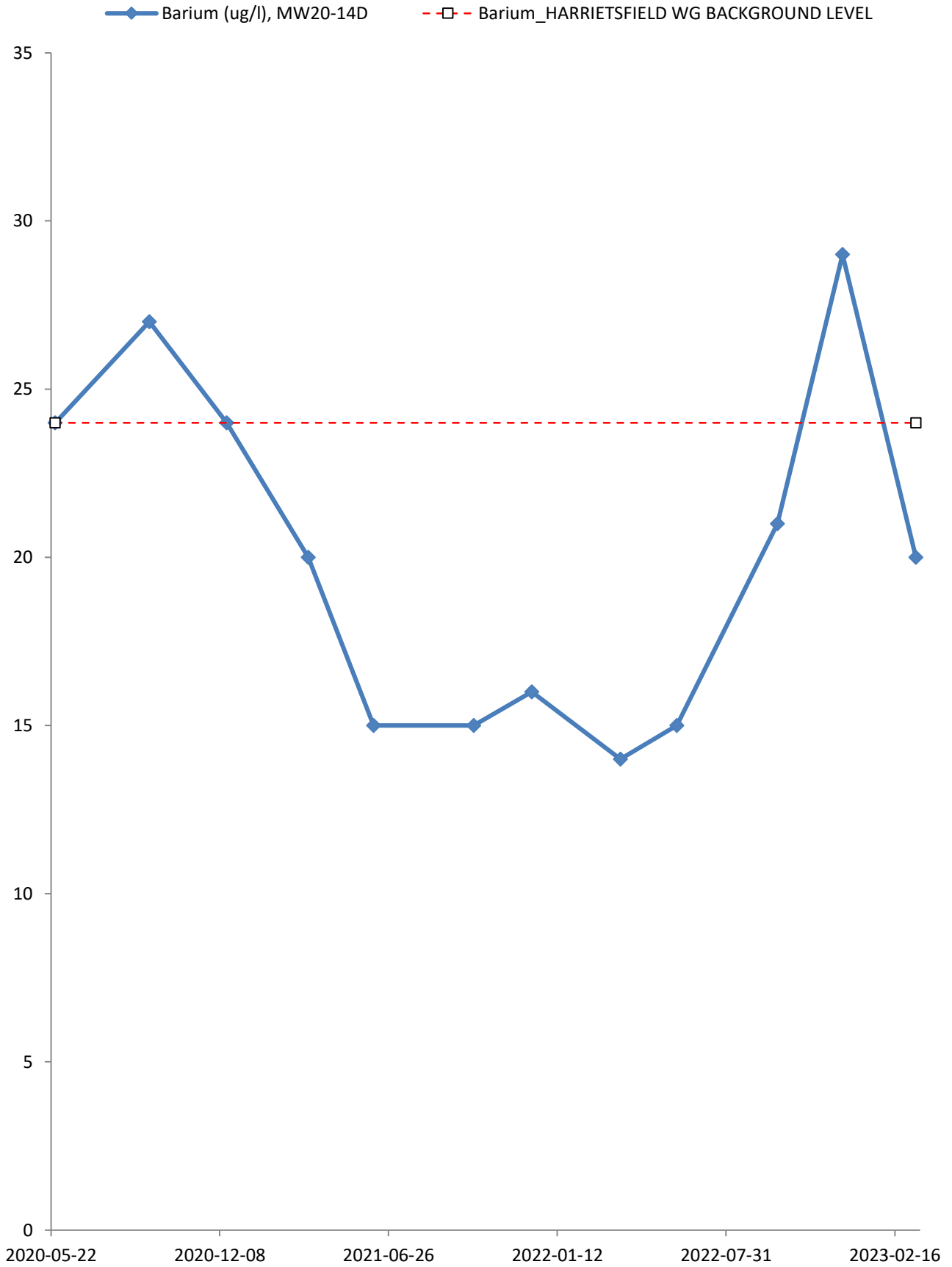


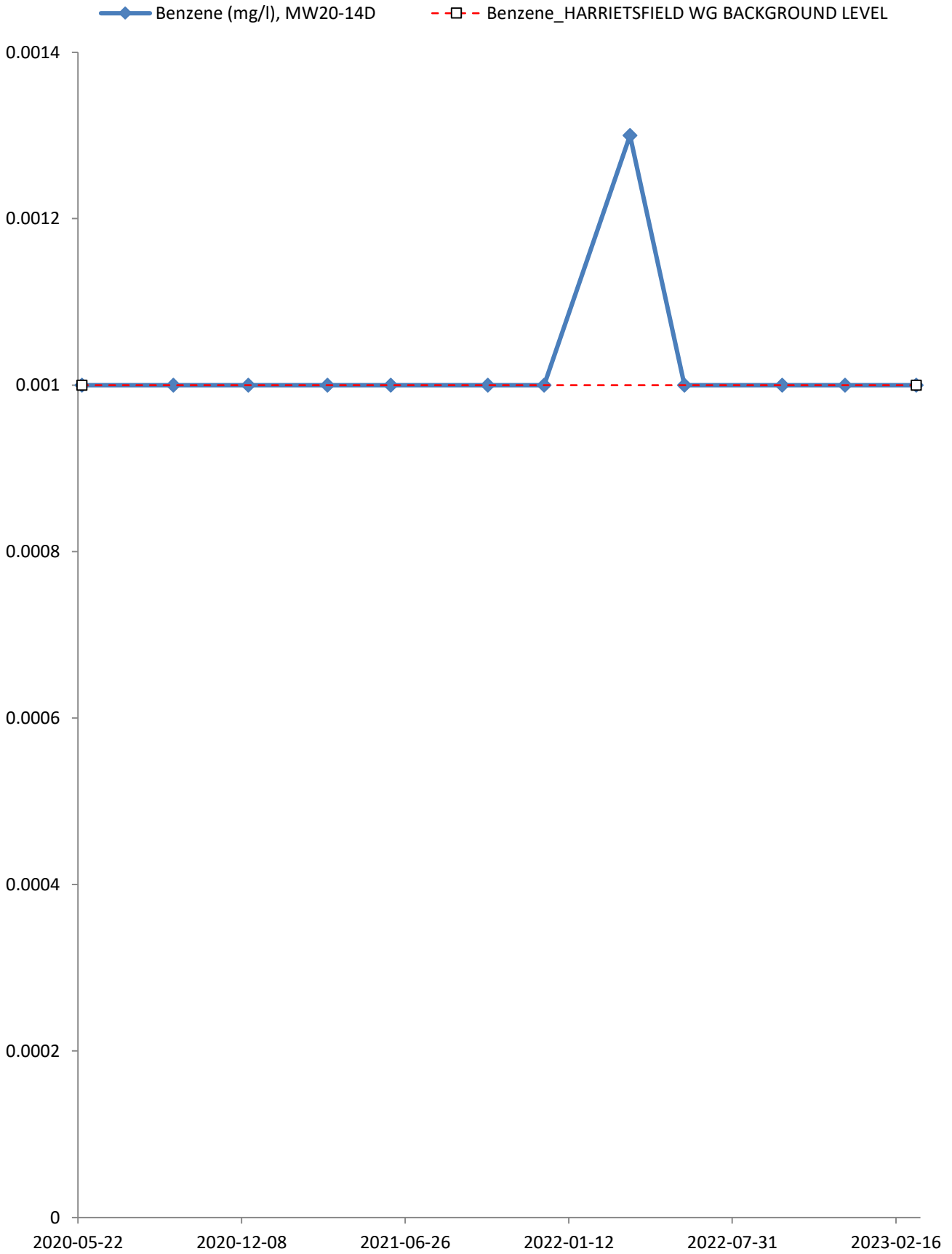


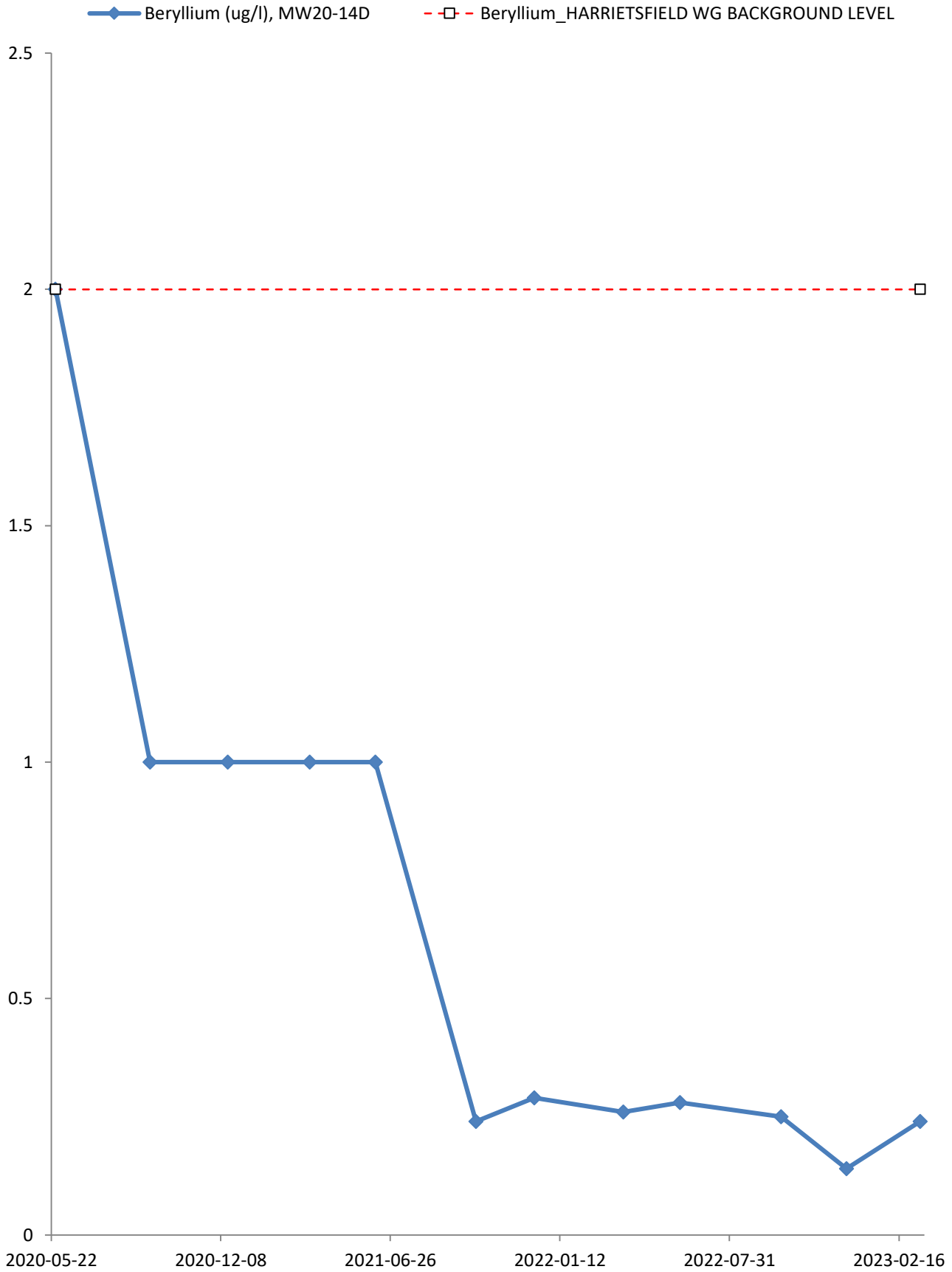


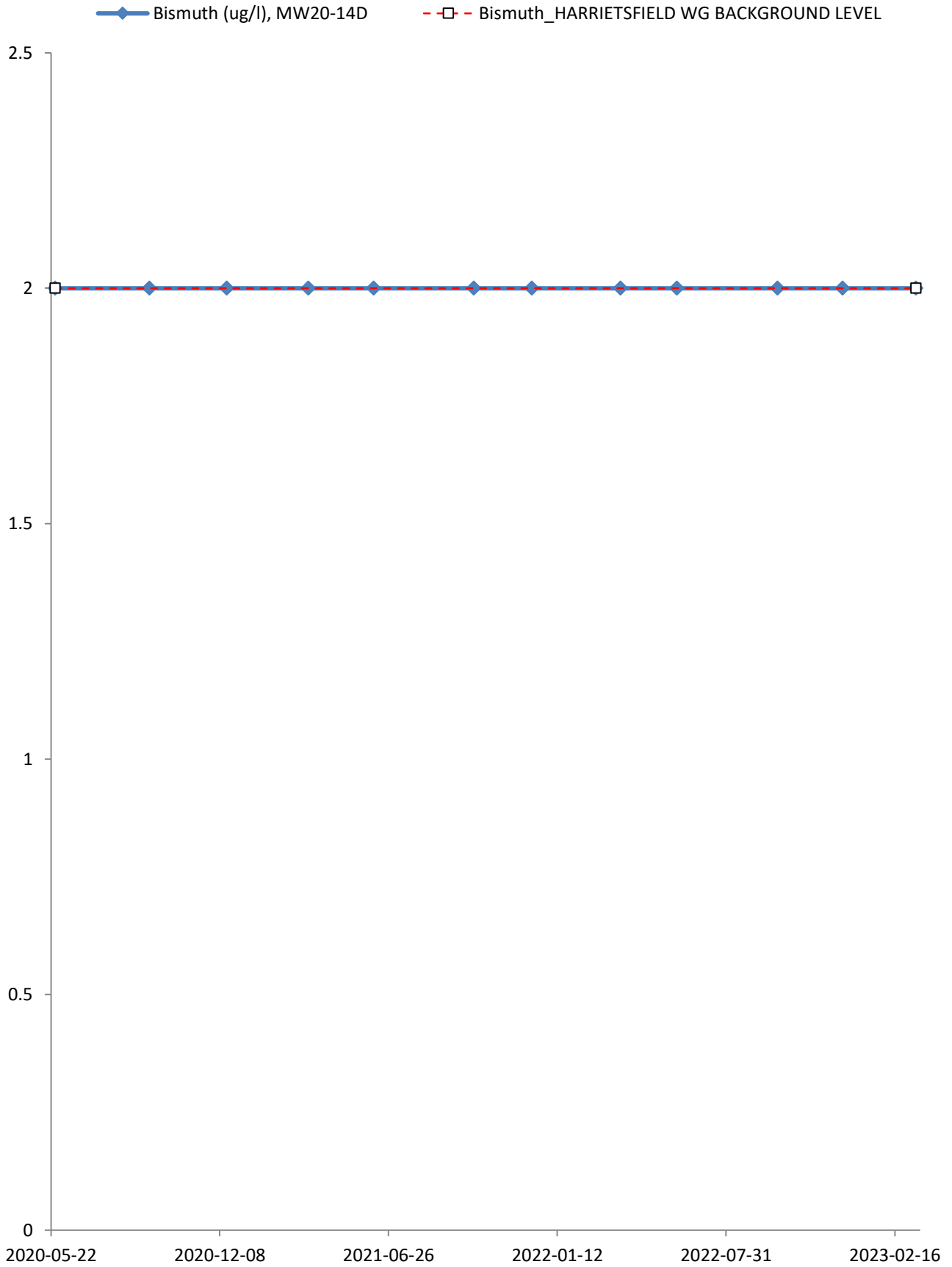


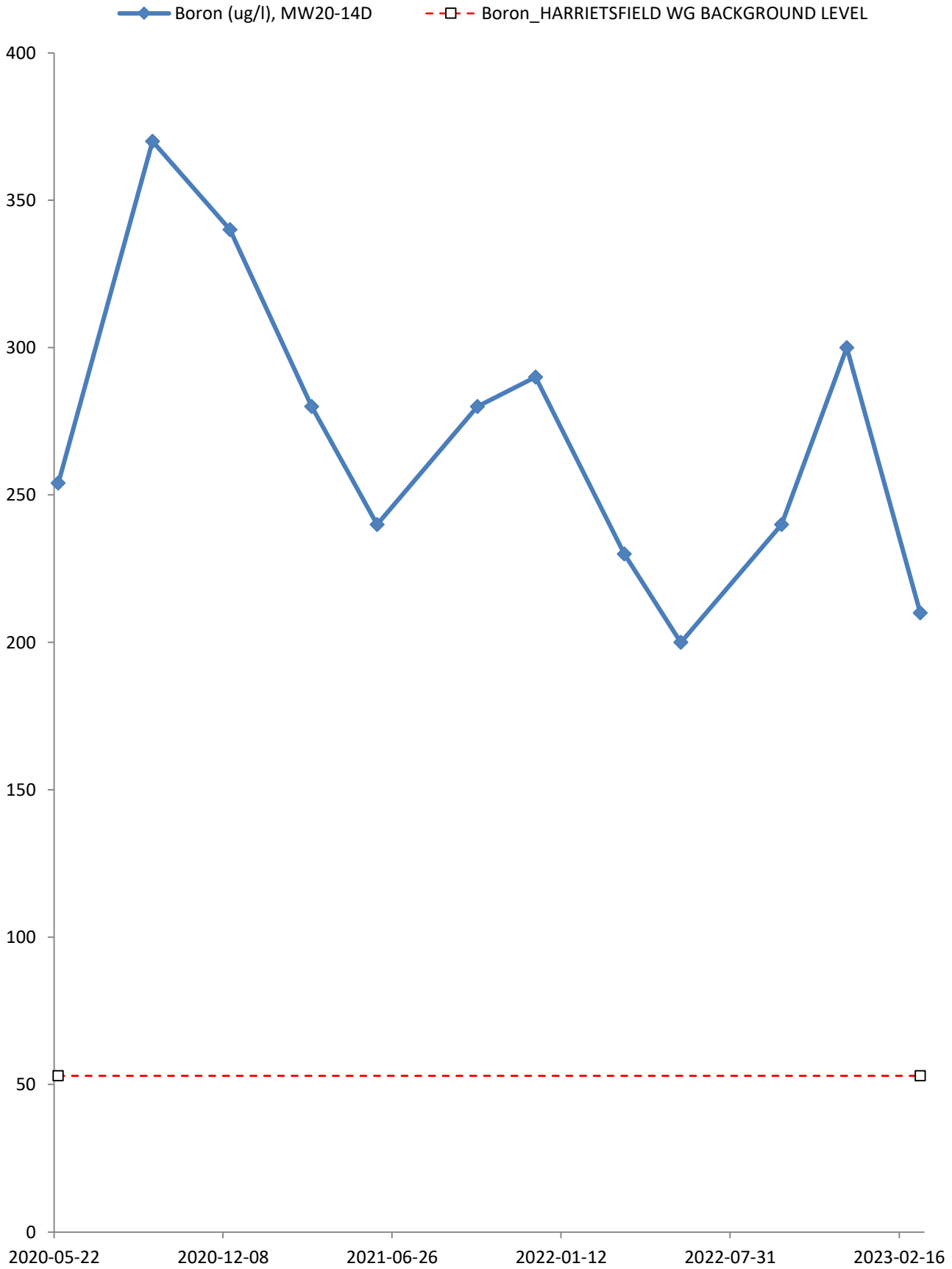


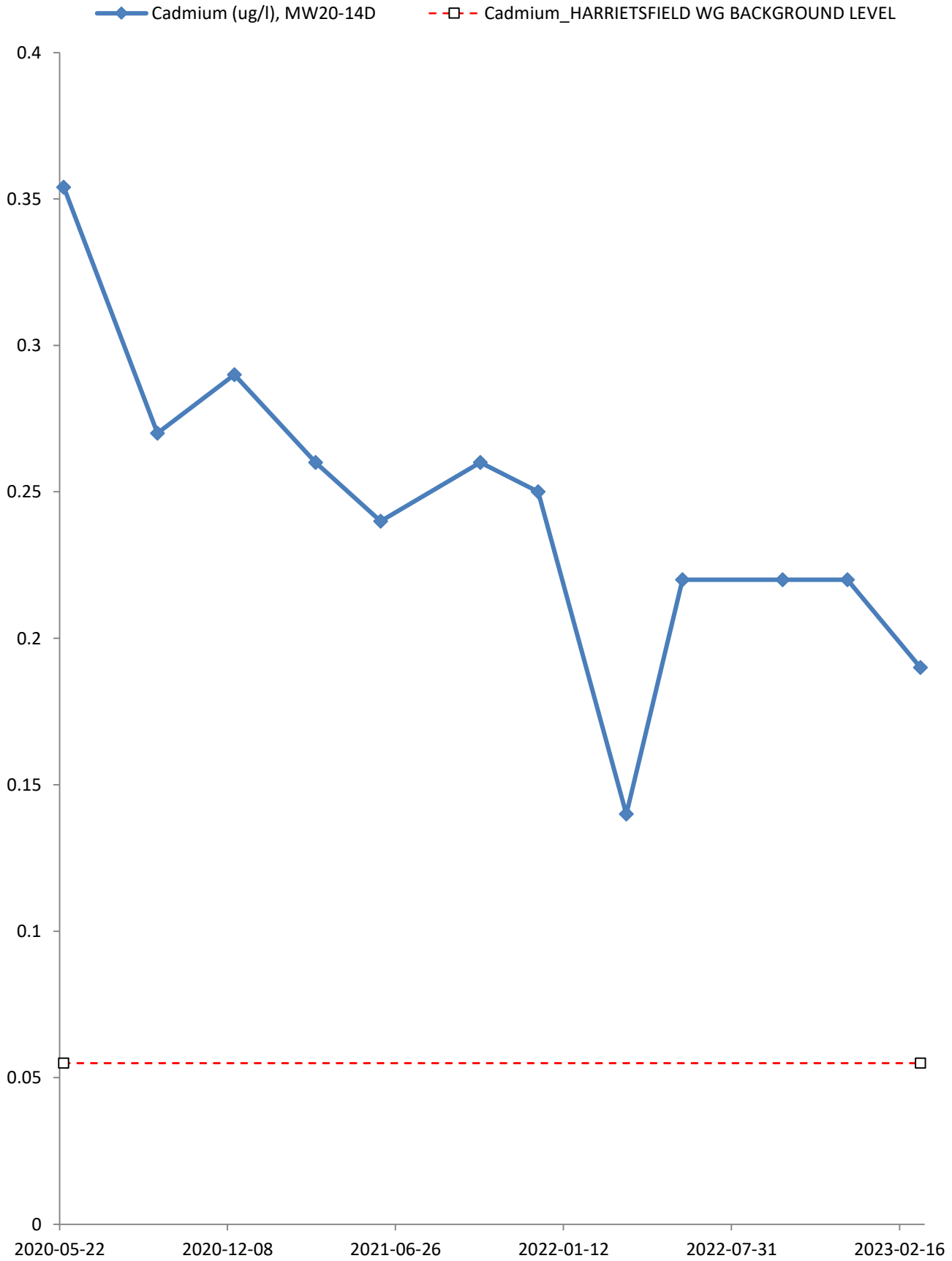


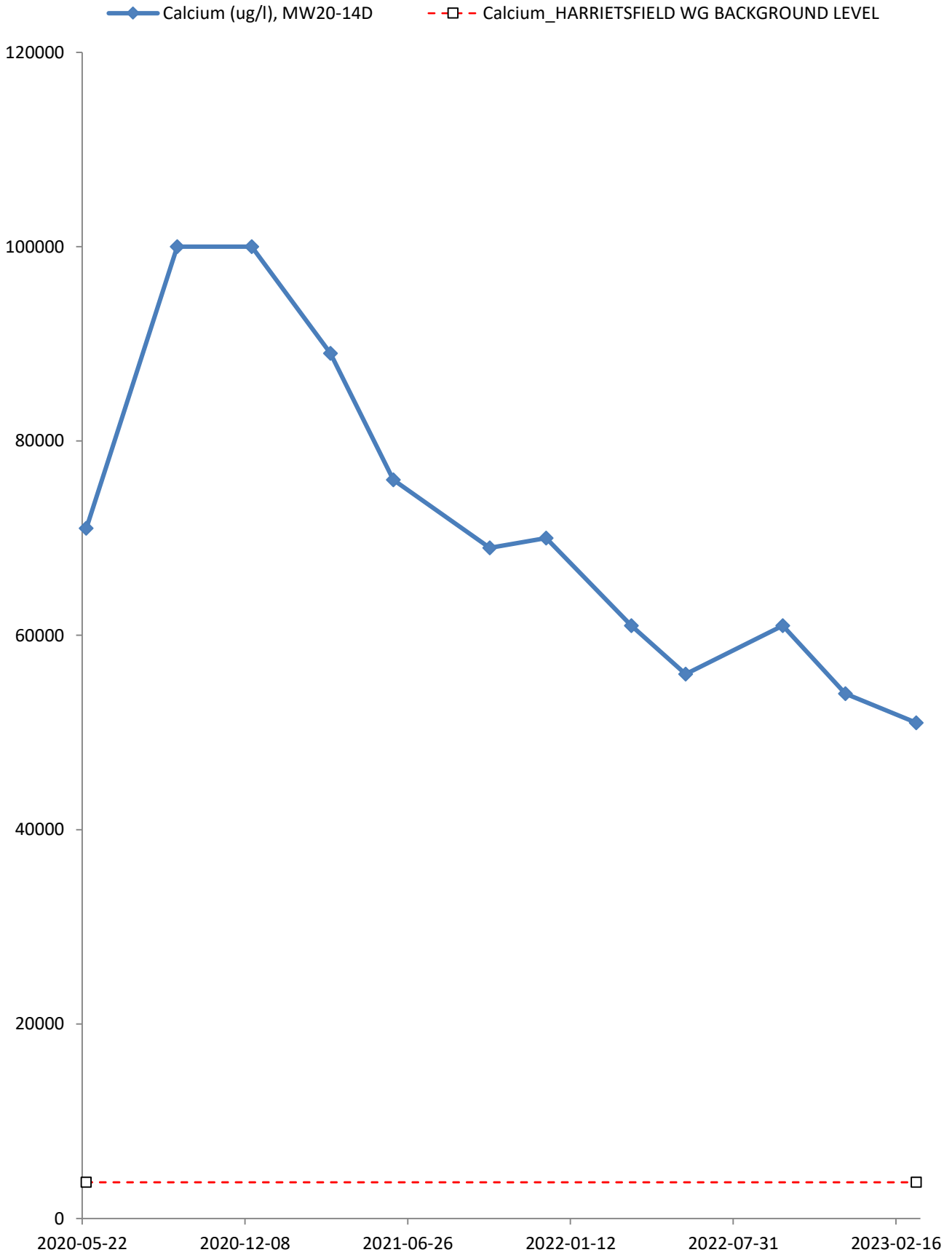




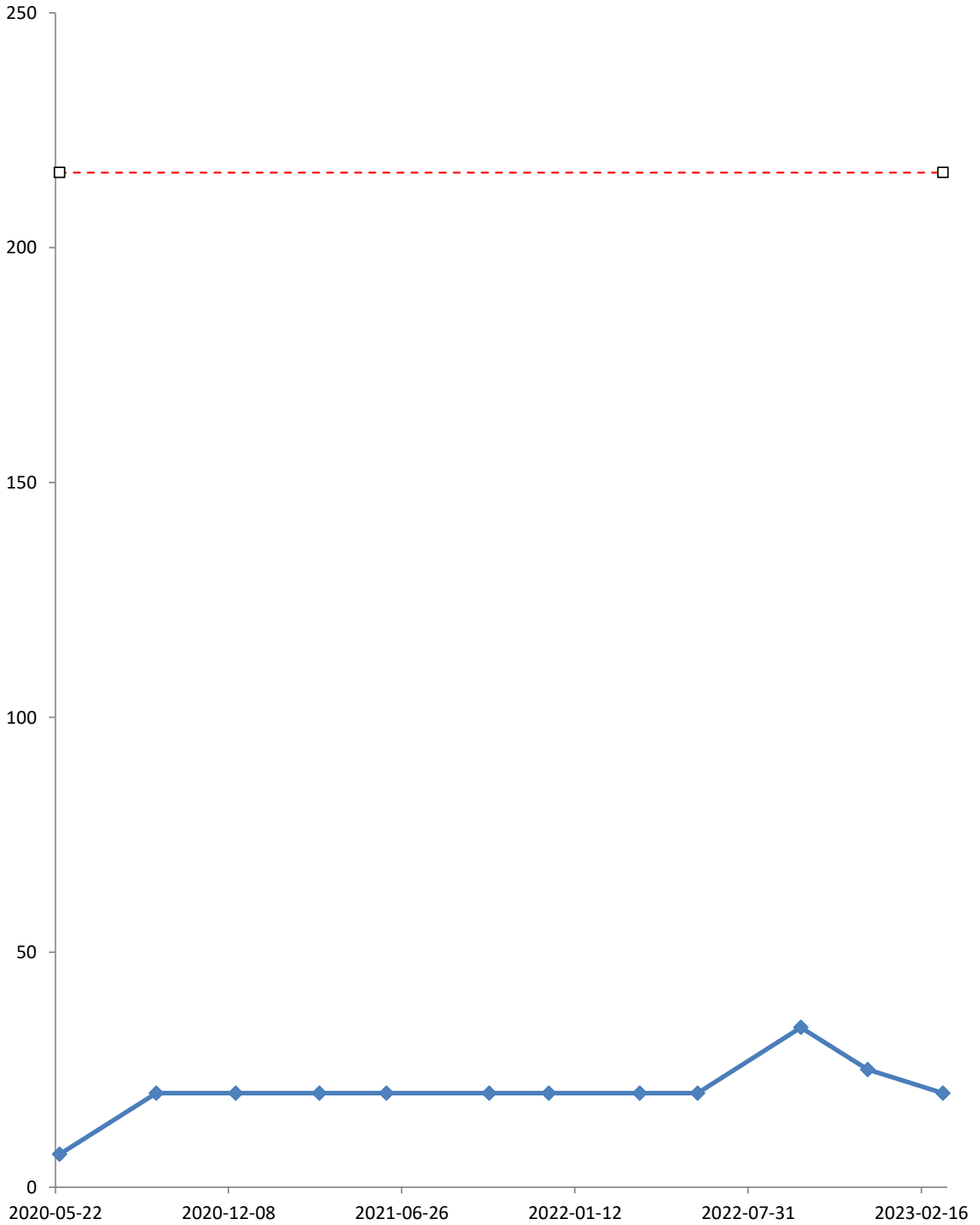


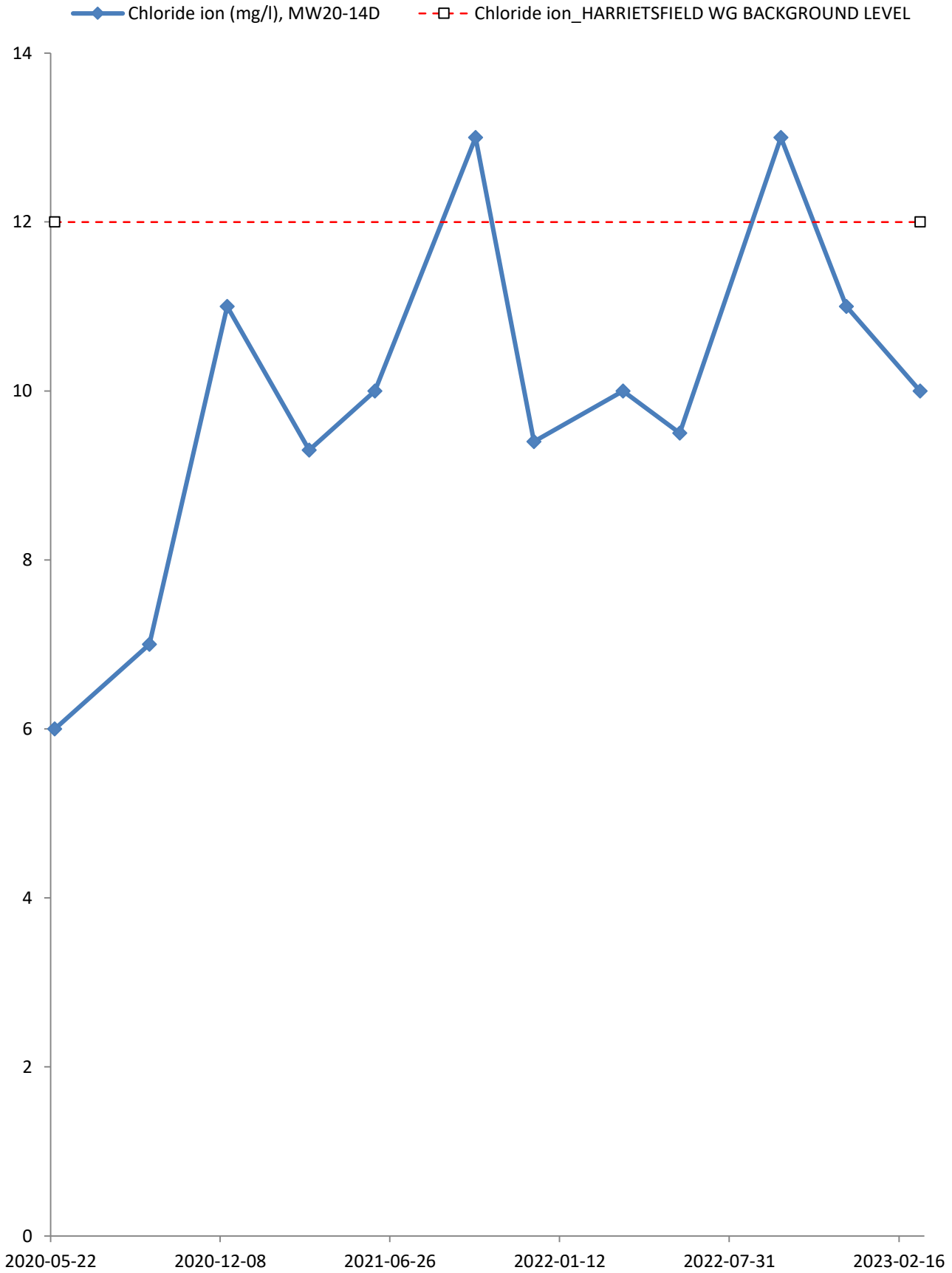


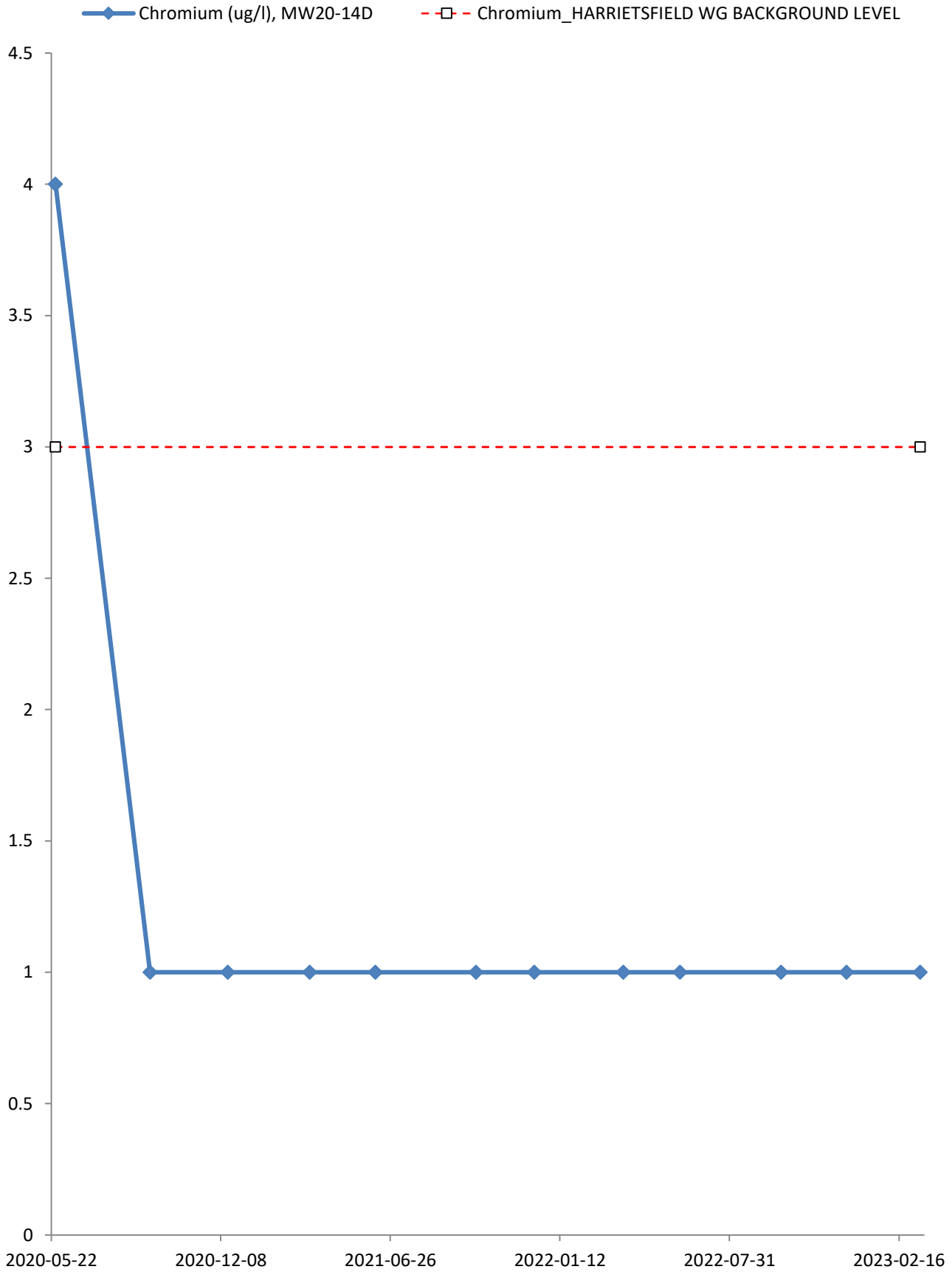


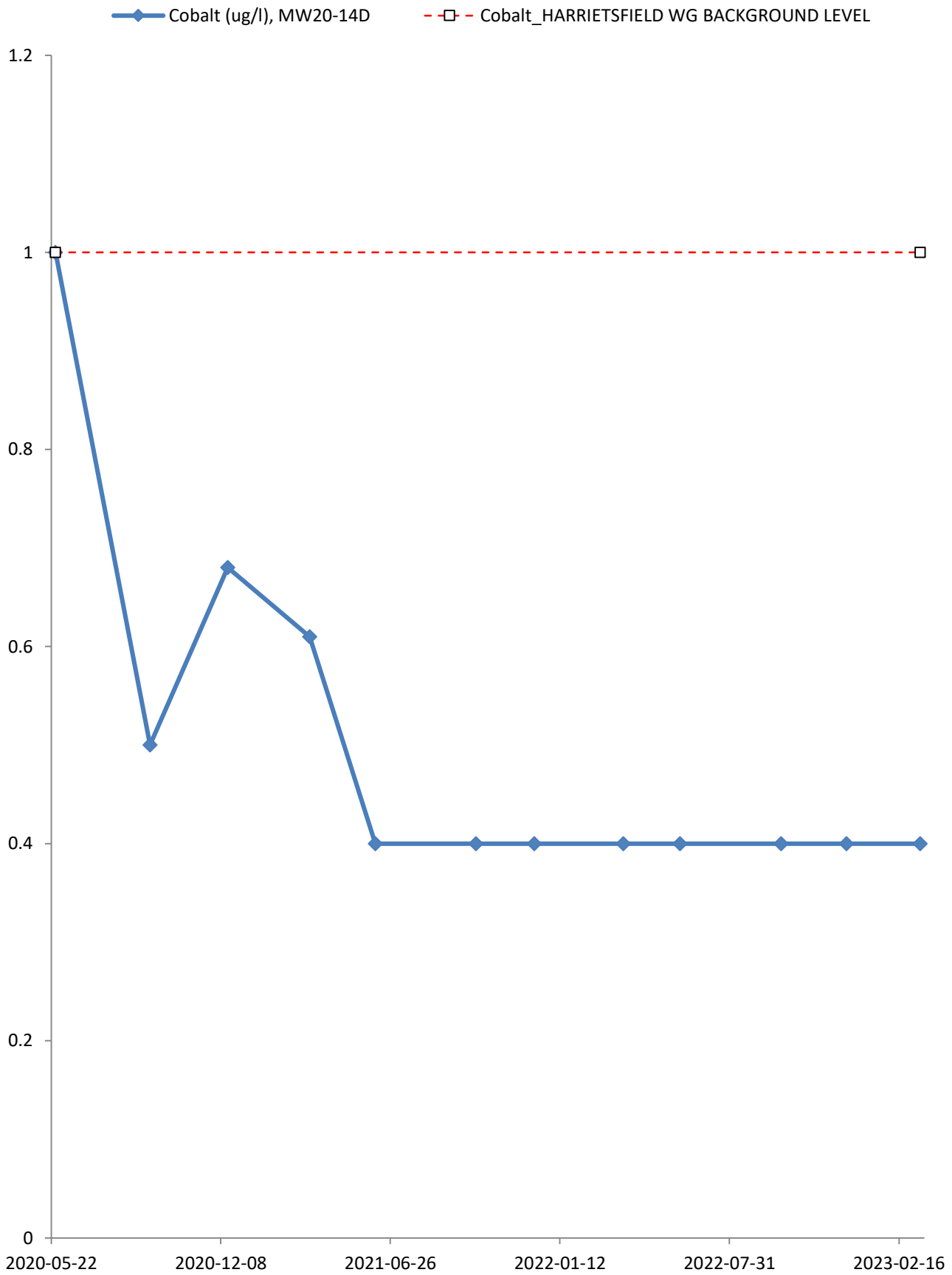


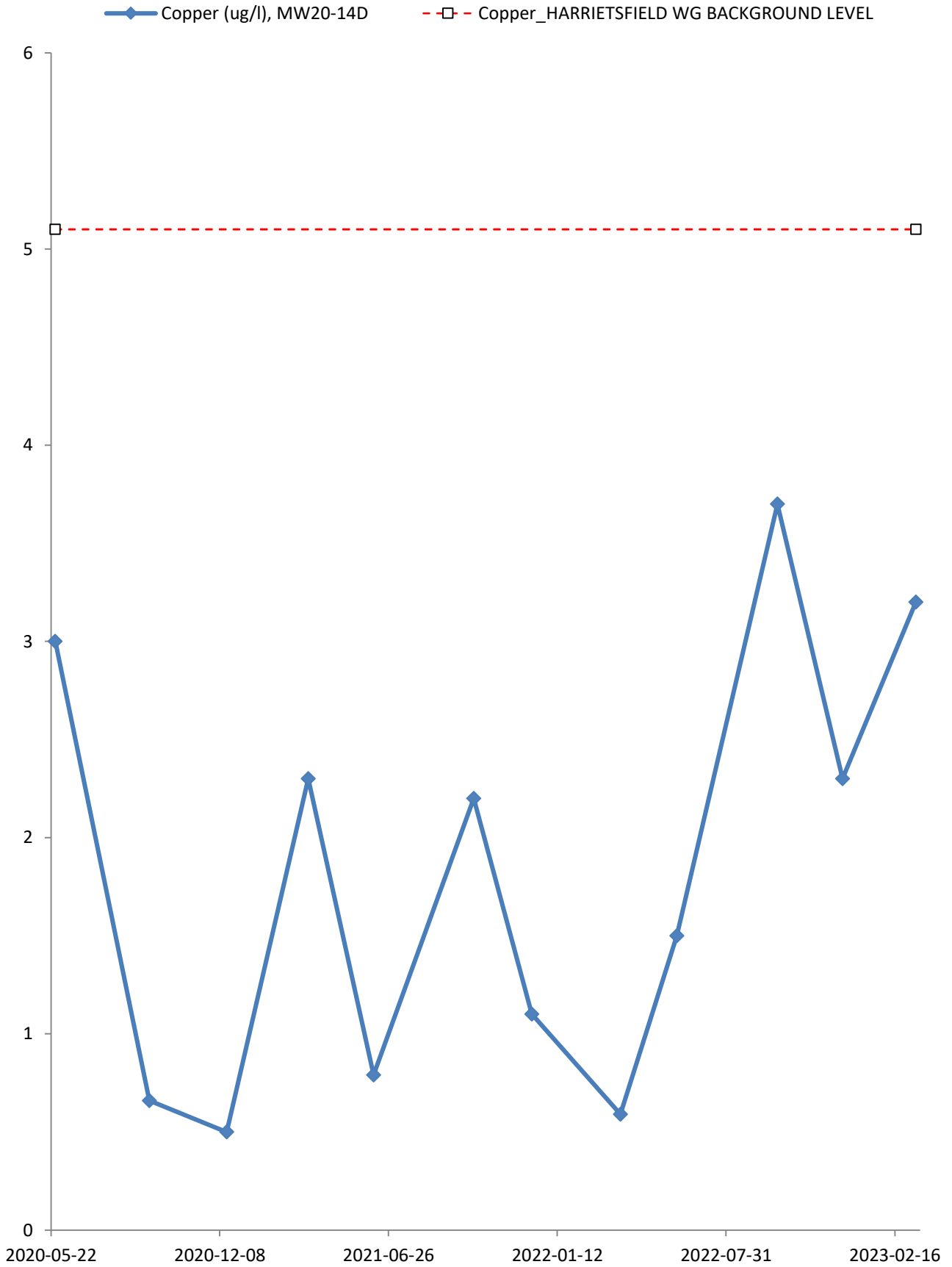
—◆— Chemical Oxygen Demand (mg/l), MW20-14D
- - □ - - Chemical Oxygen Demand_HARRIETSFIELD WG BACKGROUND LEVEL



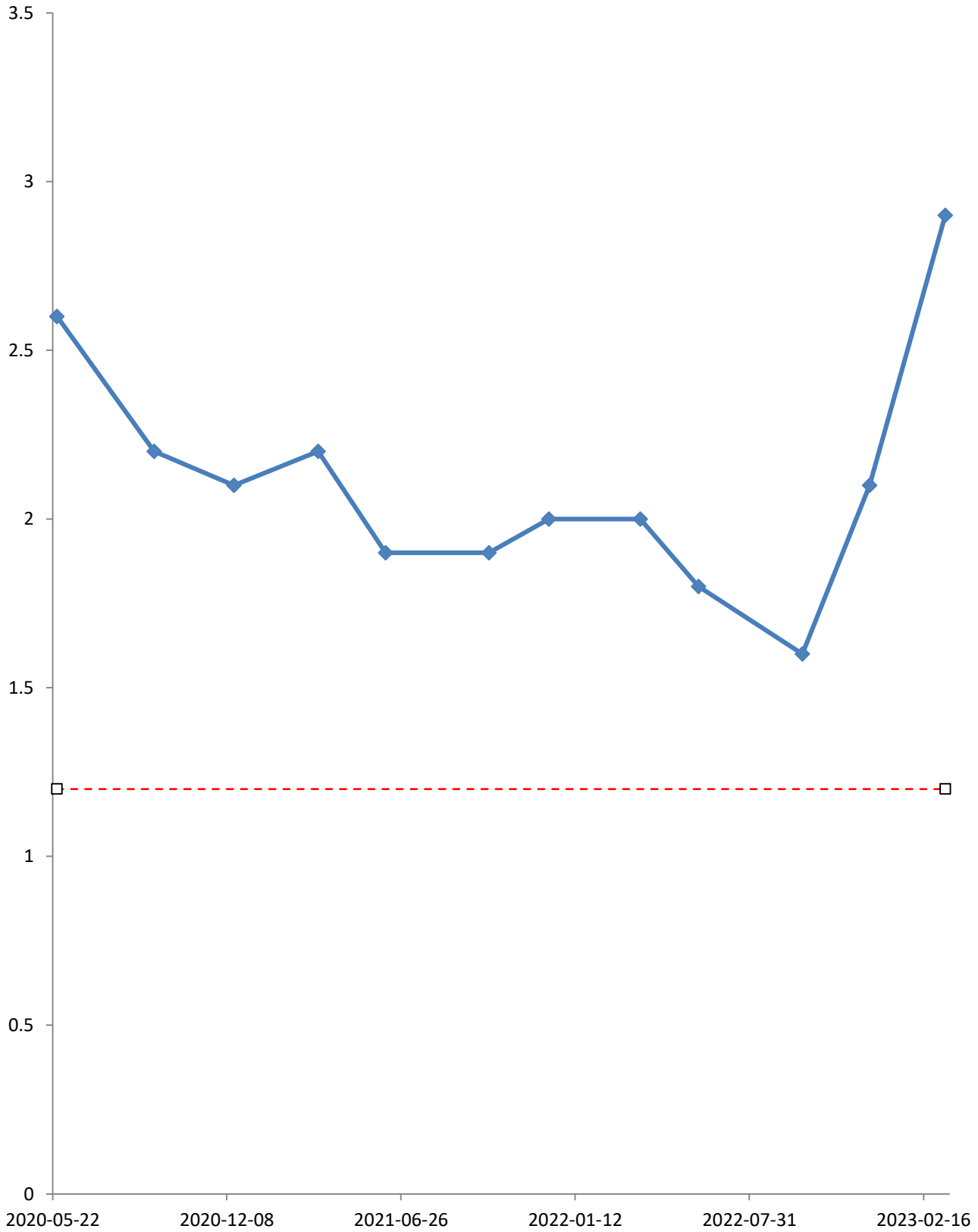




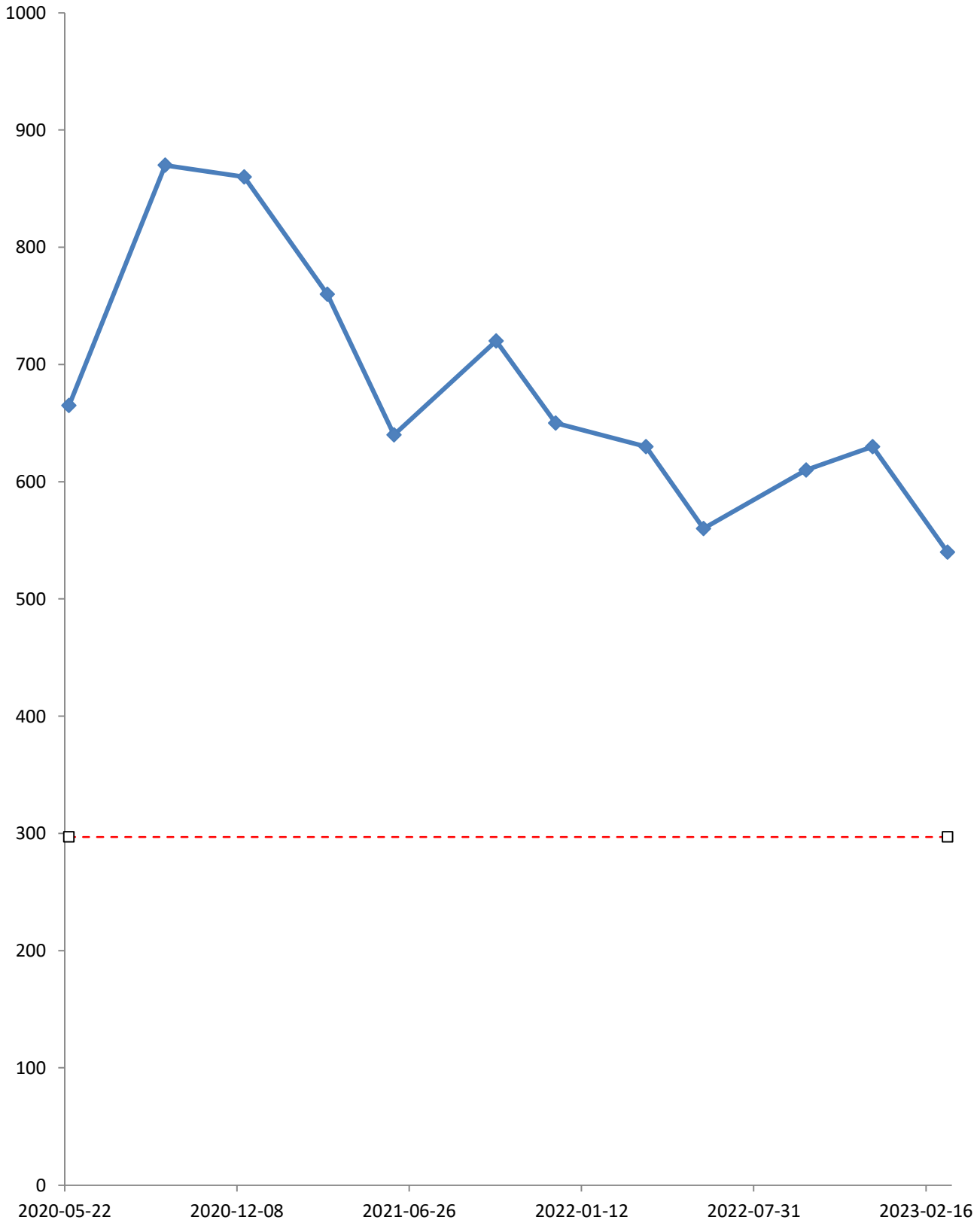


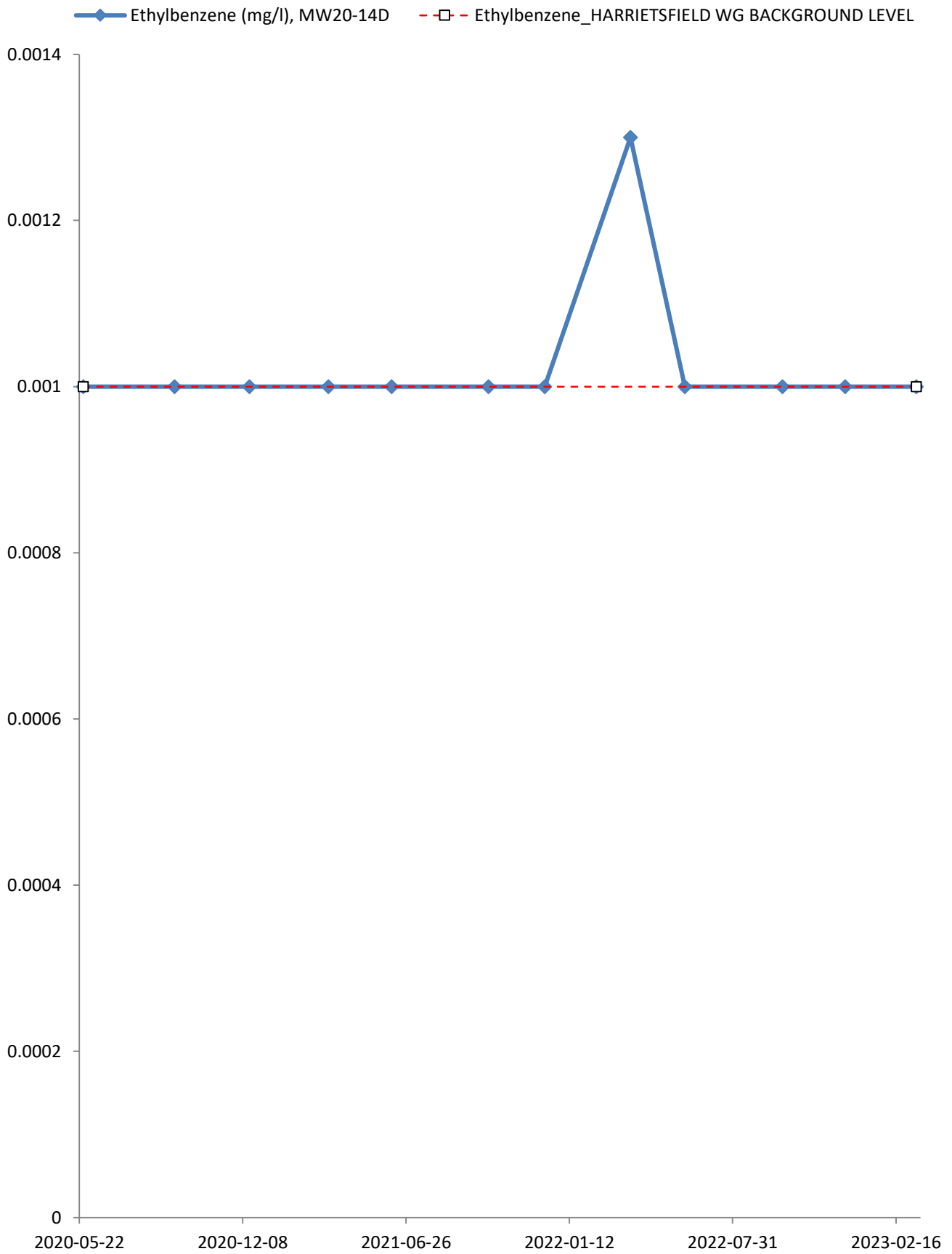


◆ Dissolved Organic Carbon (DOC) (mg/l), MW20-14D
-□- Dissolved Organic Carbon (DOC)_HARRIETSFIELD WG BACKGROUND LEVEL

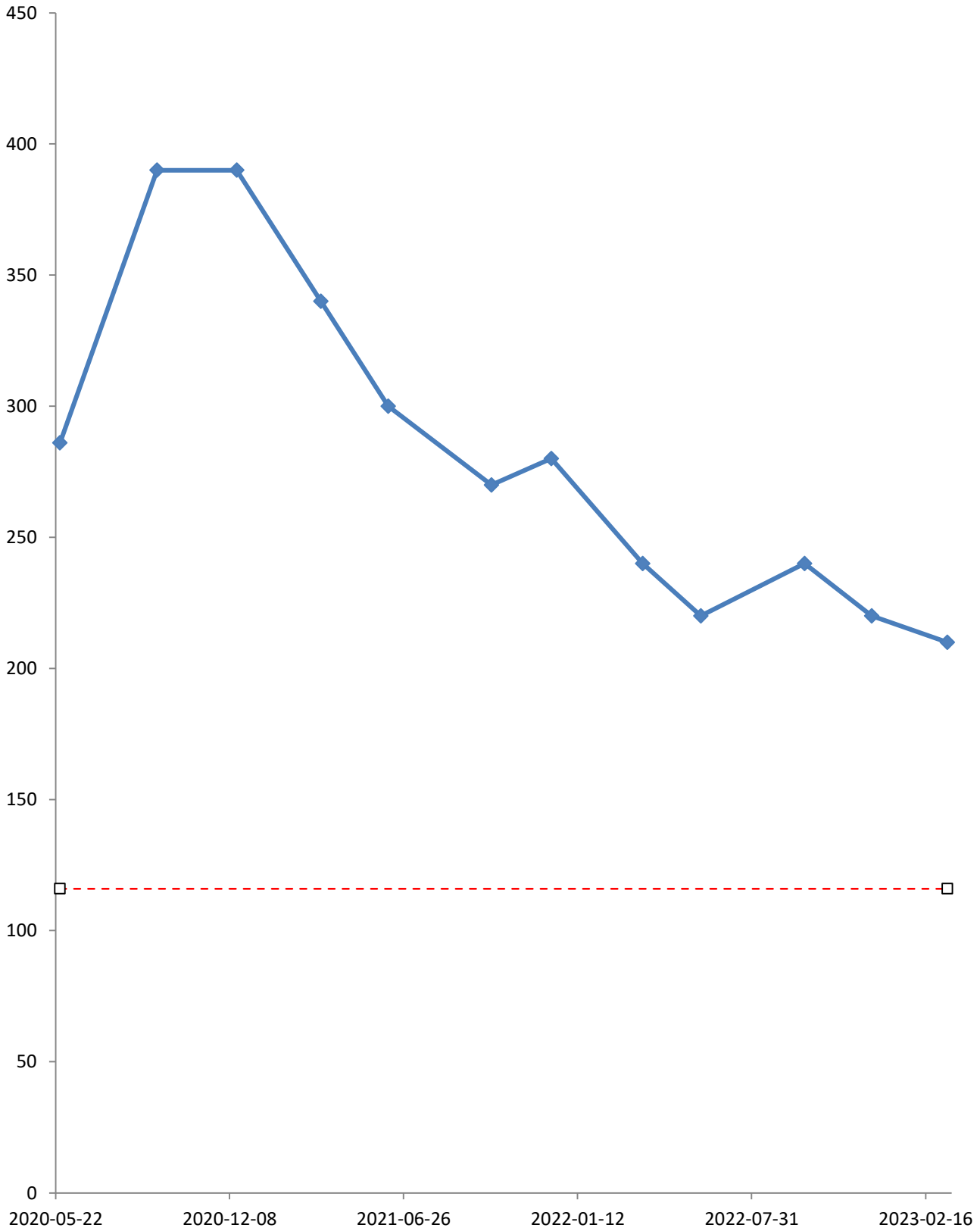


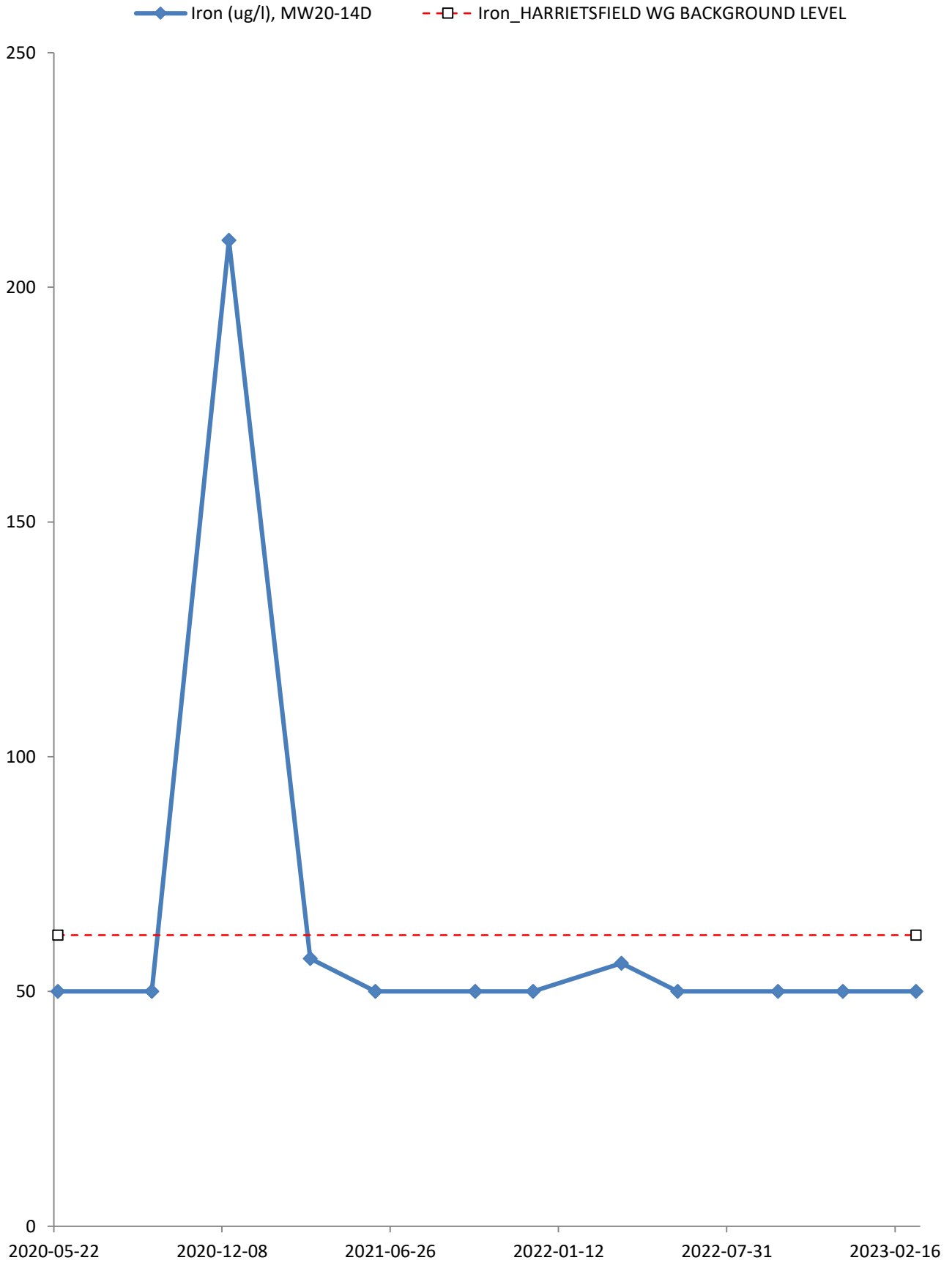
—◆— Electrical Conductivity (umhos/cm), MW20-14D
- -□- - Electrical Conductivity_HARRIETSFIELD WG BACKGROUND LEVEL

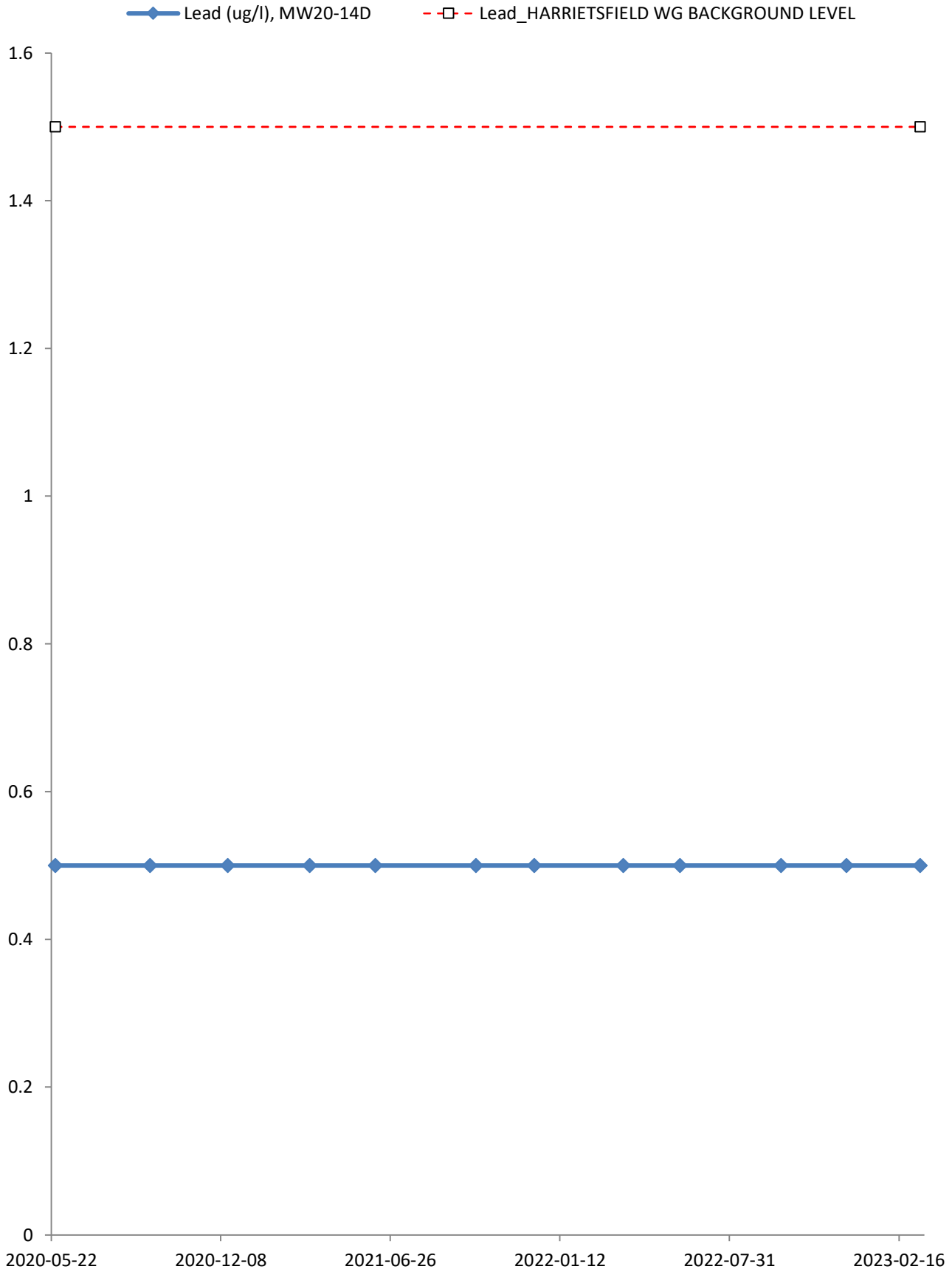


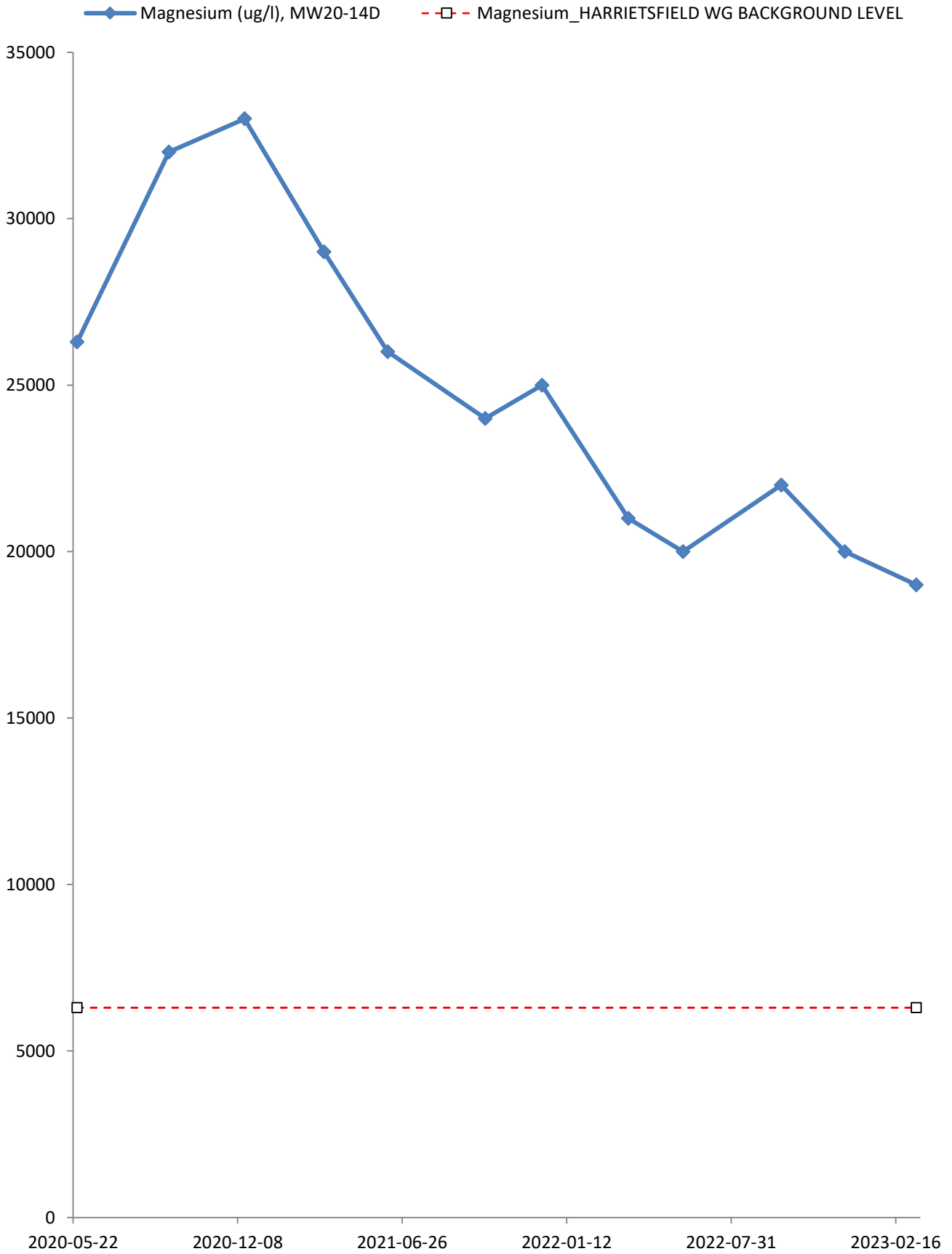


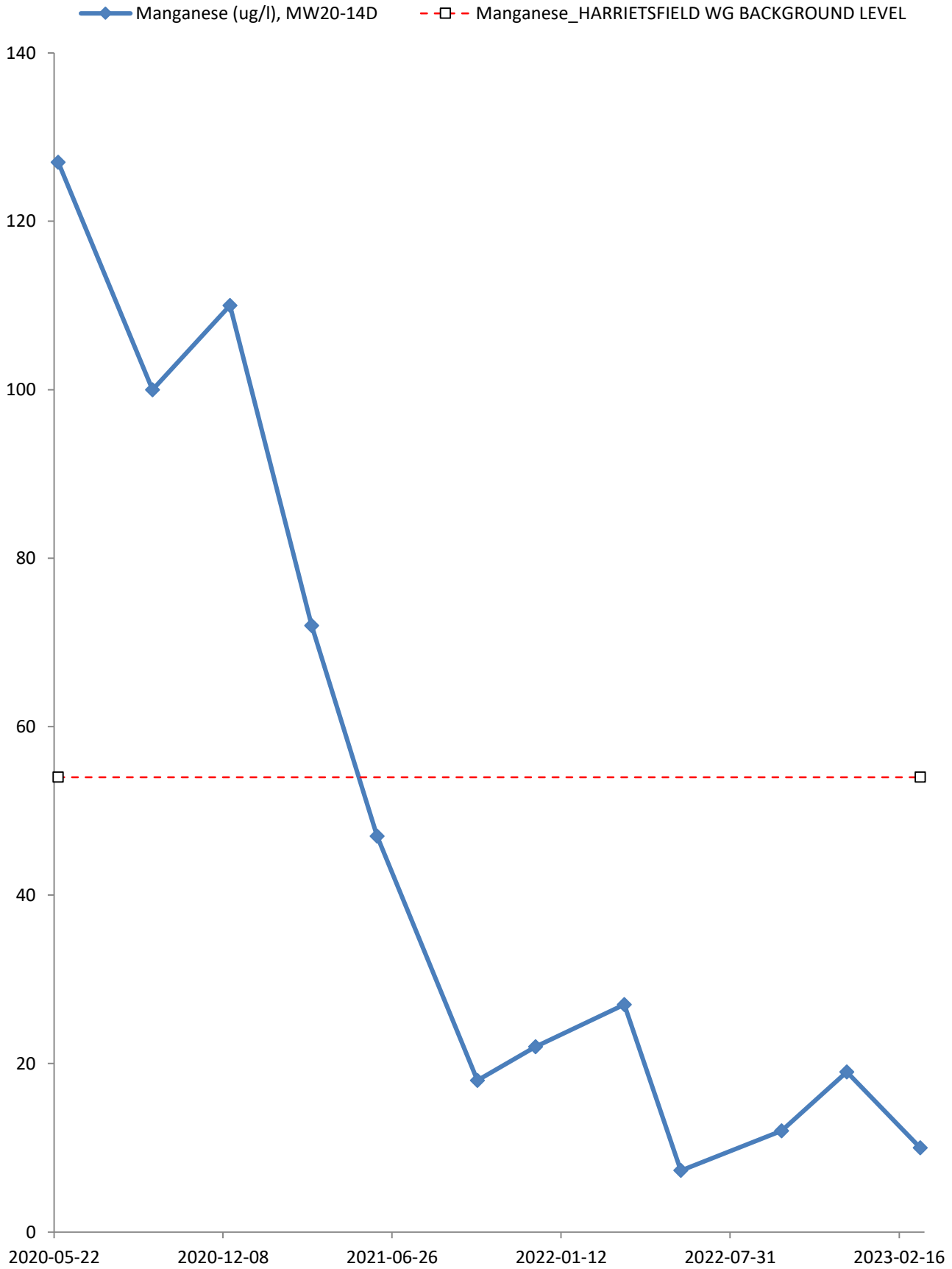
—◆— Hardness (as CaCO₃) (mg/l), MW20-14D
- -□- - Hardness (as CaCO₃)_HARRIETSFIELD WG BACKGROUND LEVEL





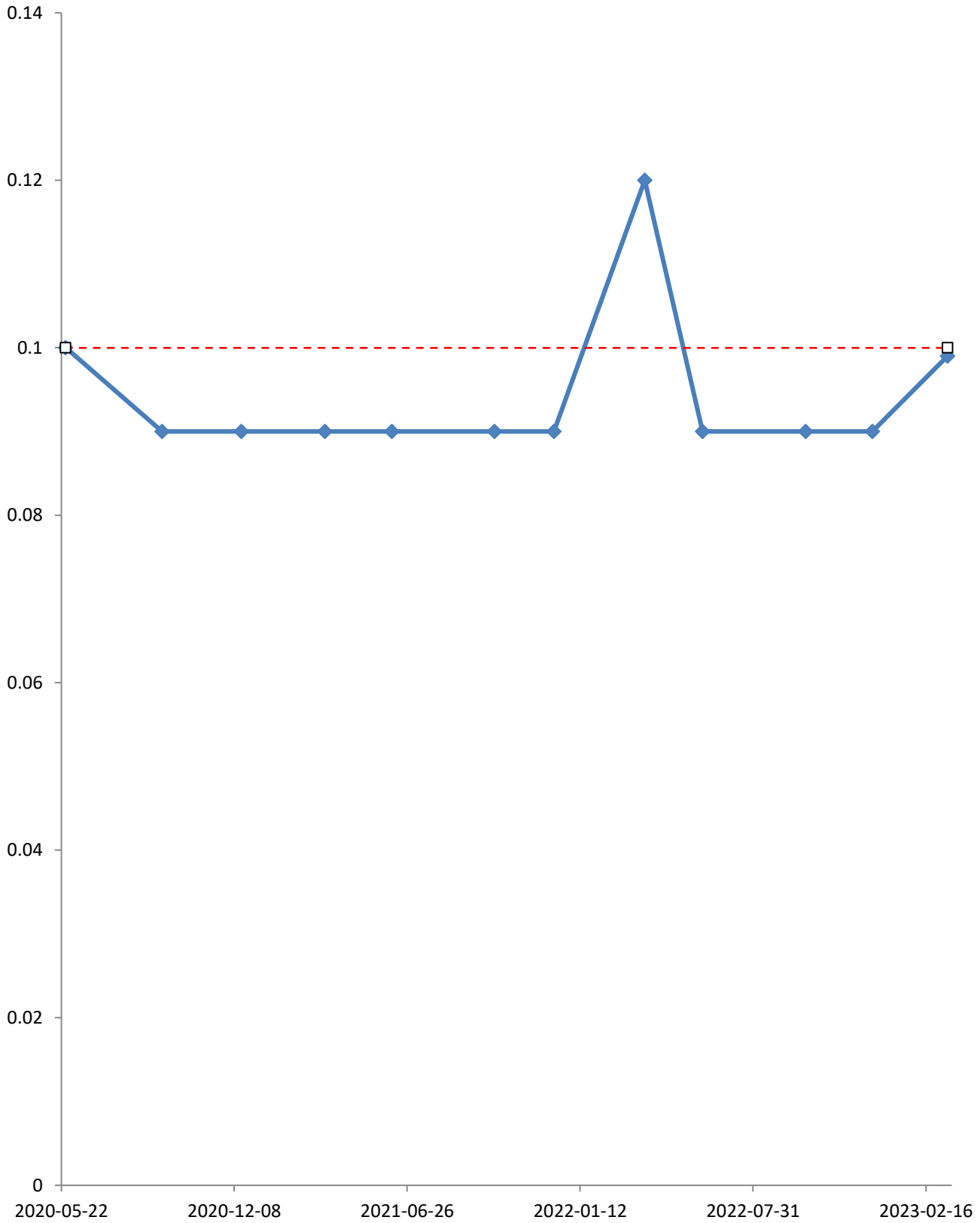


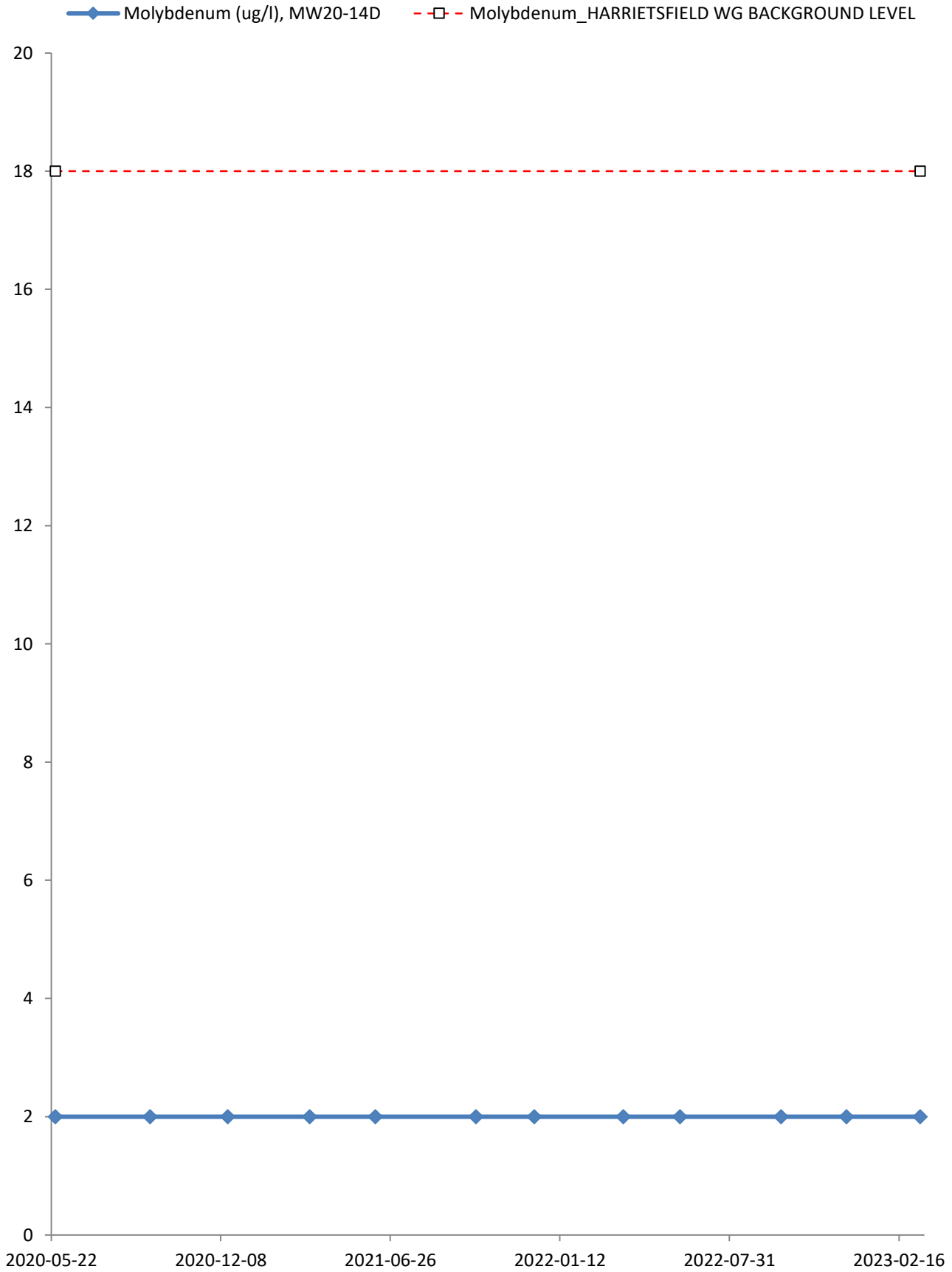


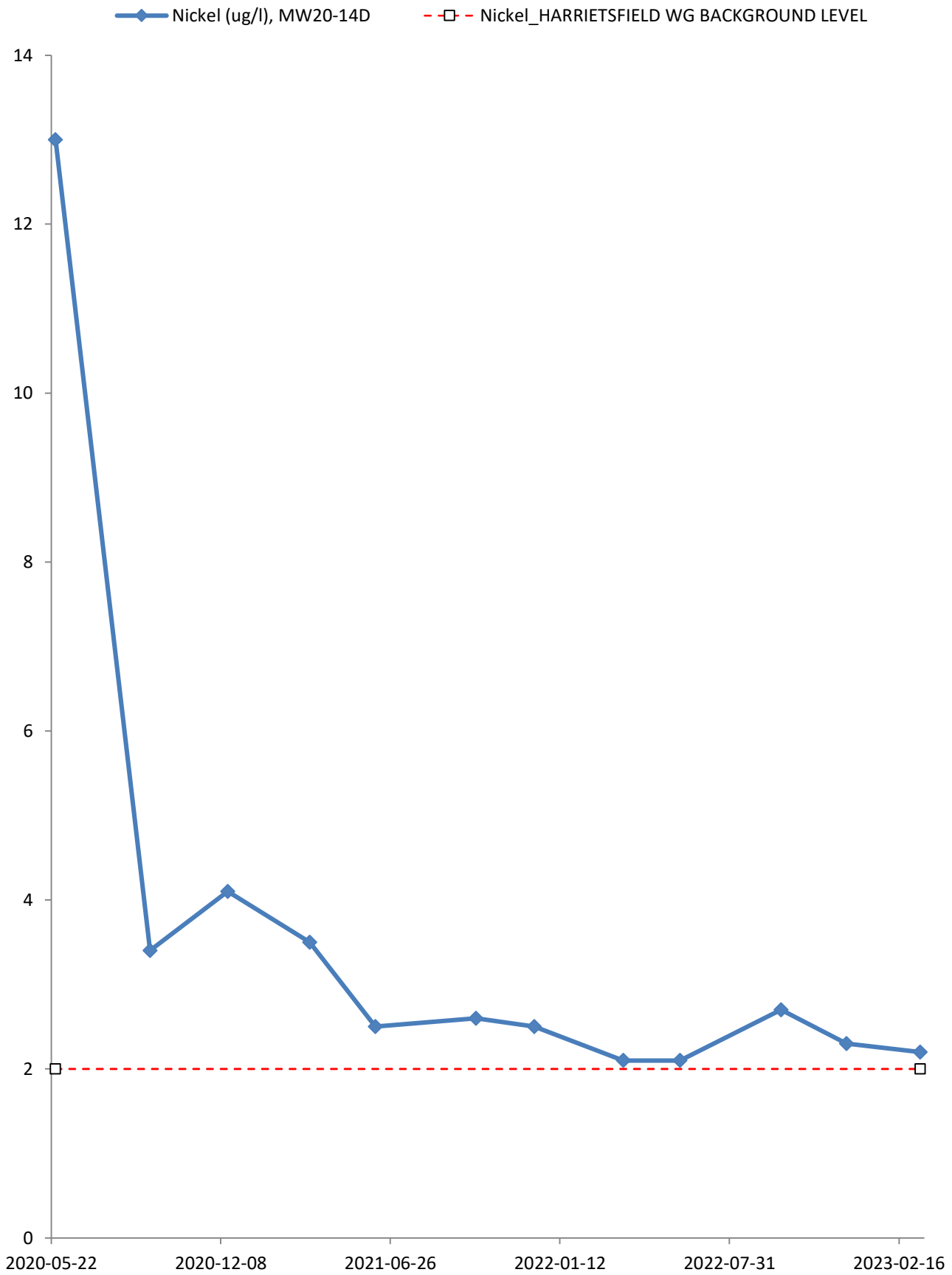


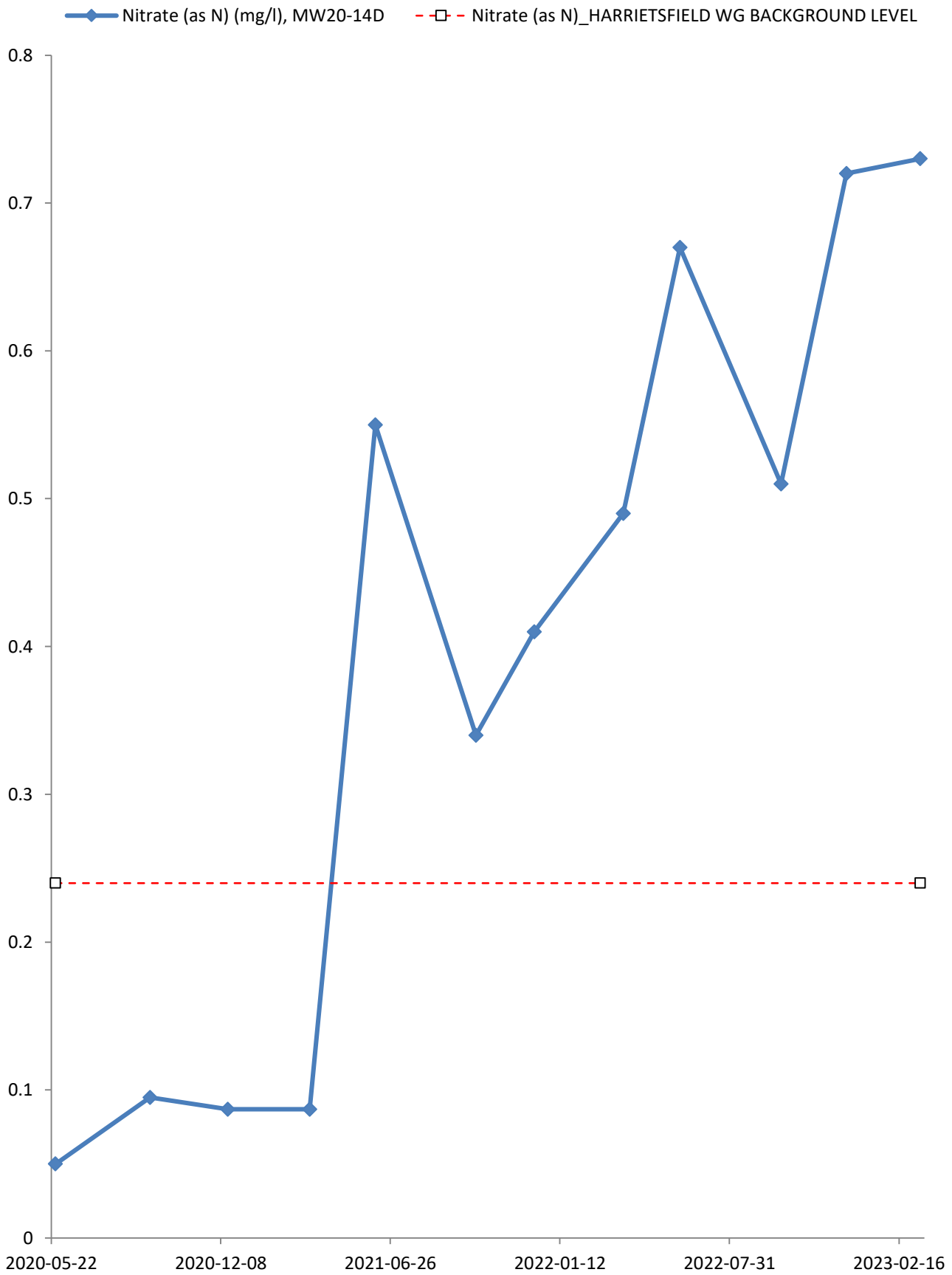


—◆— Modified TPH Tier 1 (mg/l), MW20-14D
- -□- - Modified TPH Tier 1_HARRIETSFIELD WG BACKGROUND LEVEL

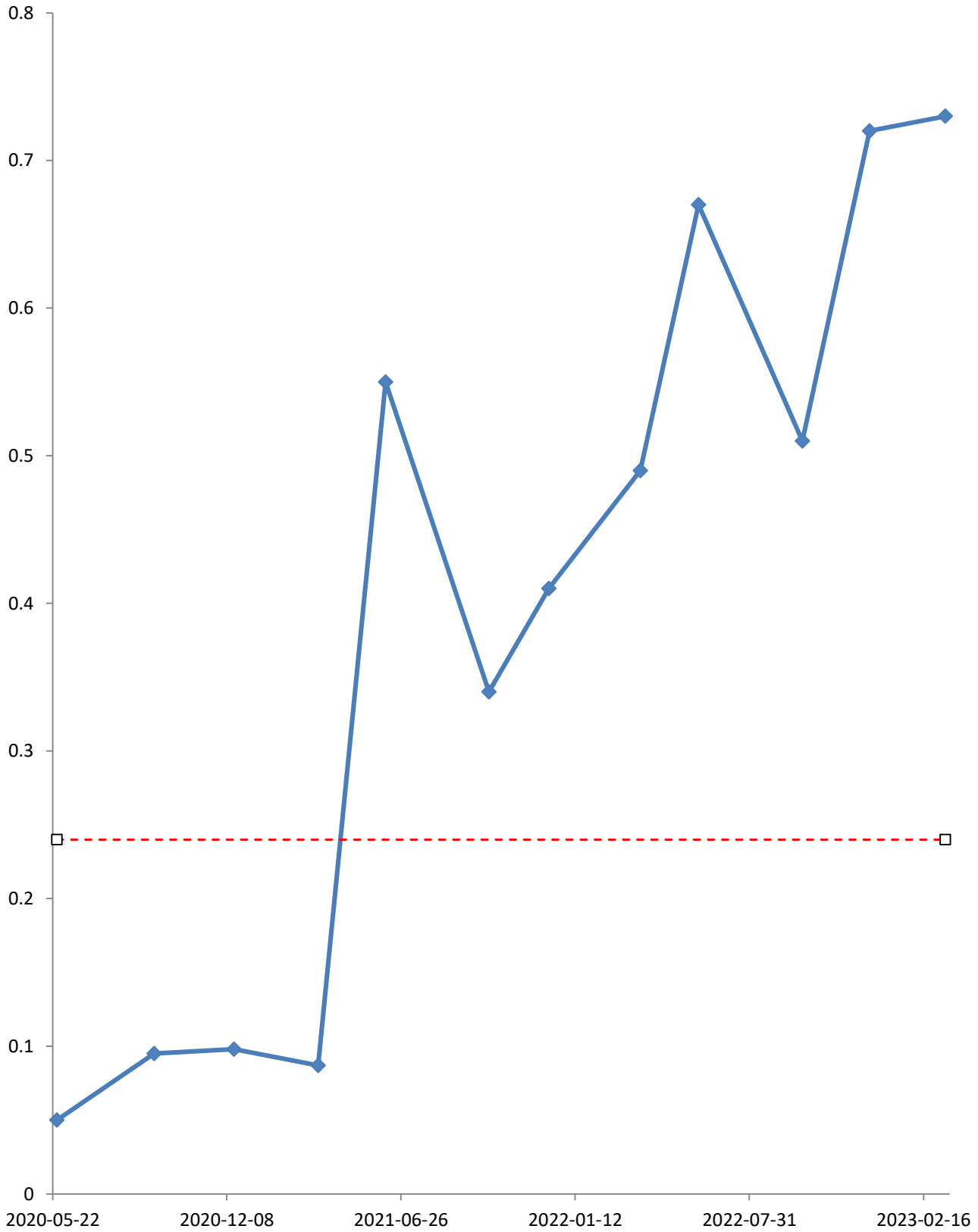


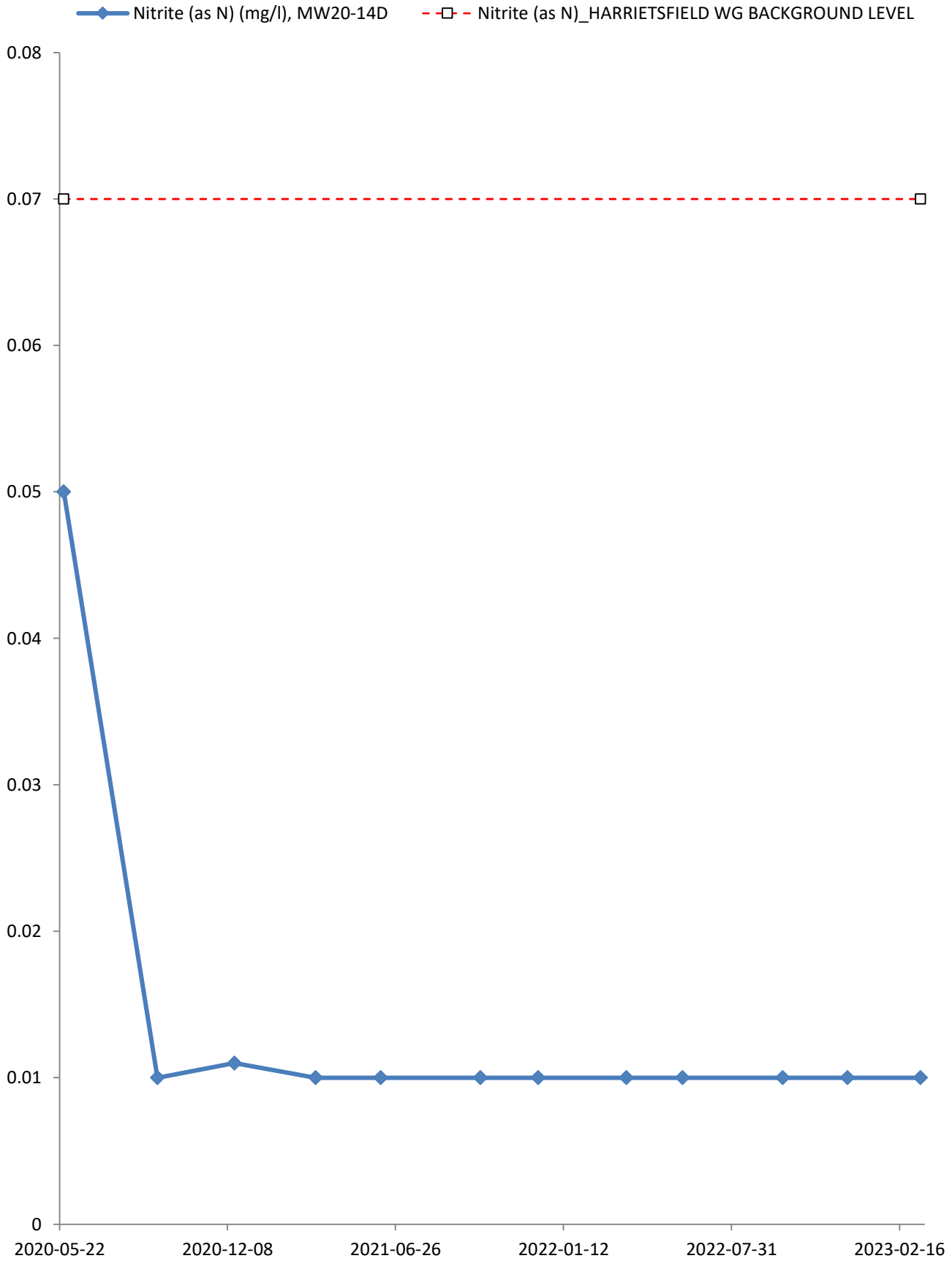




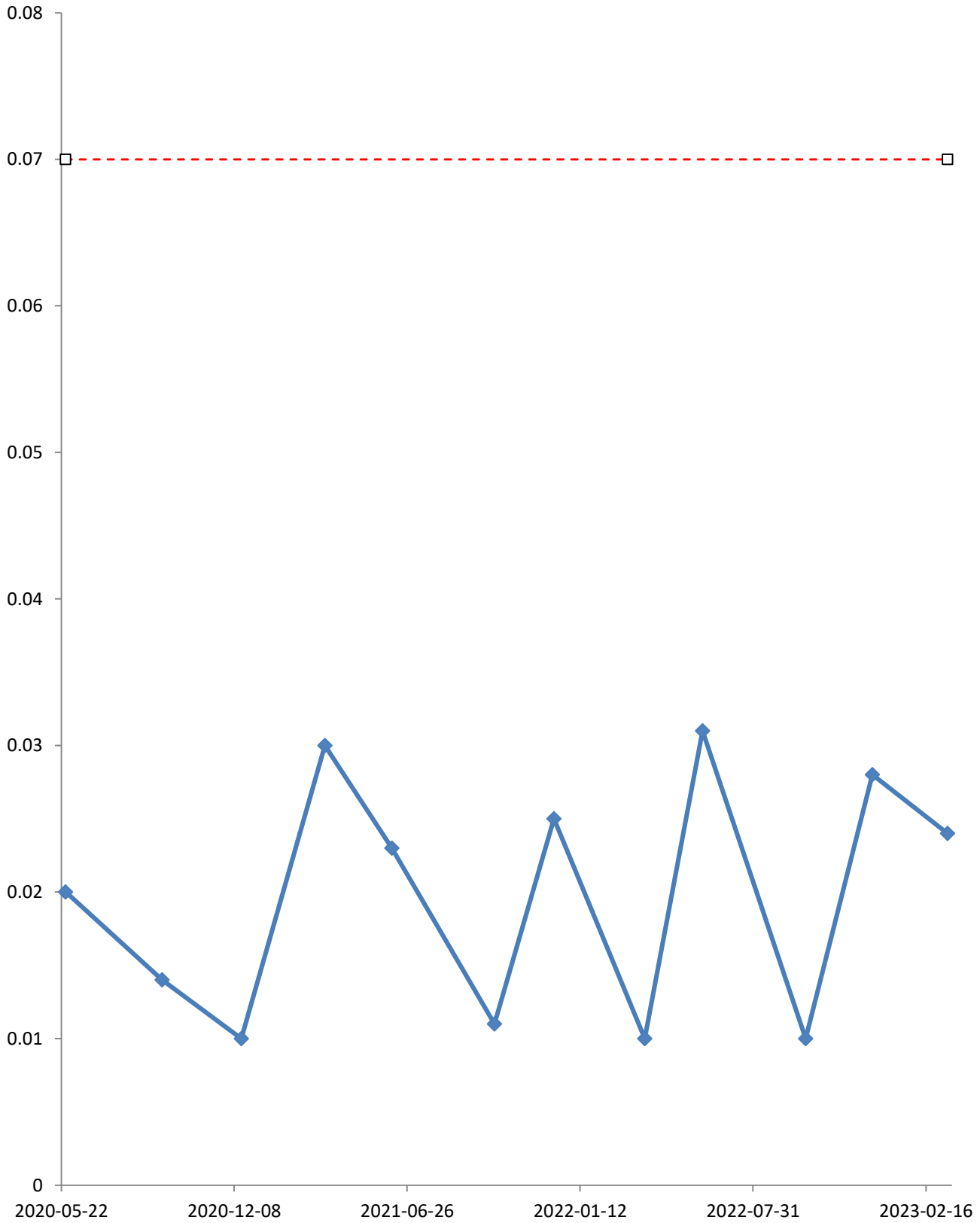


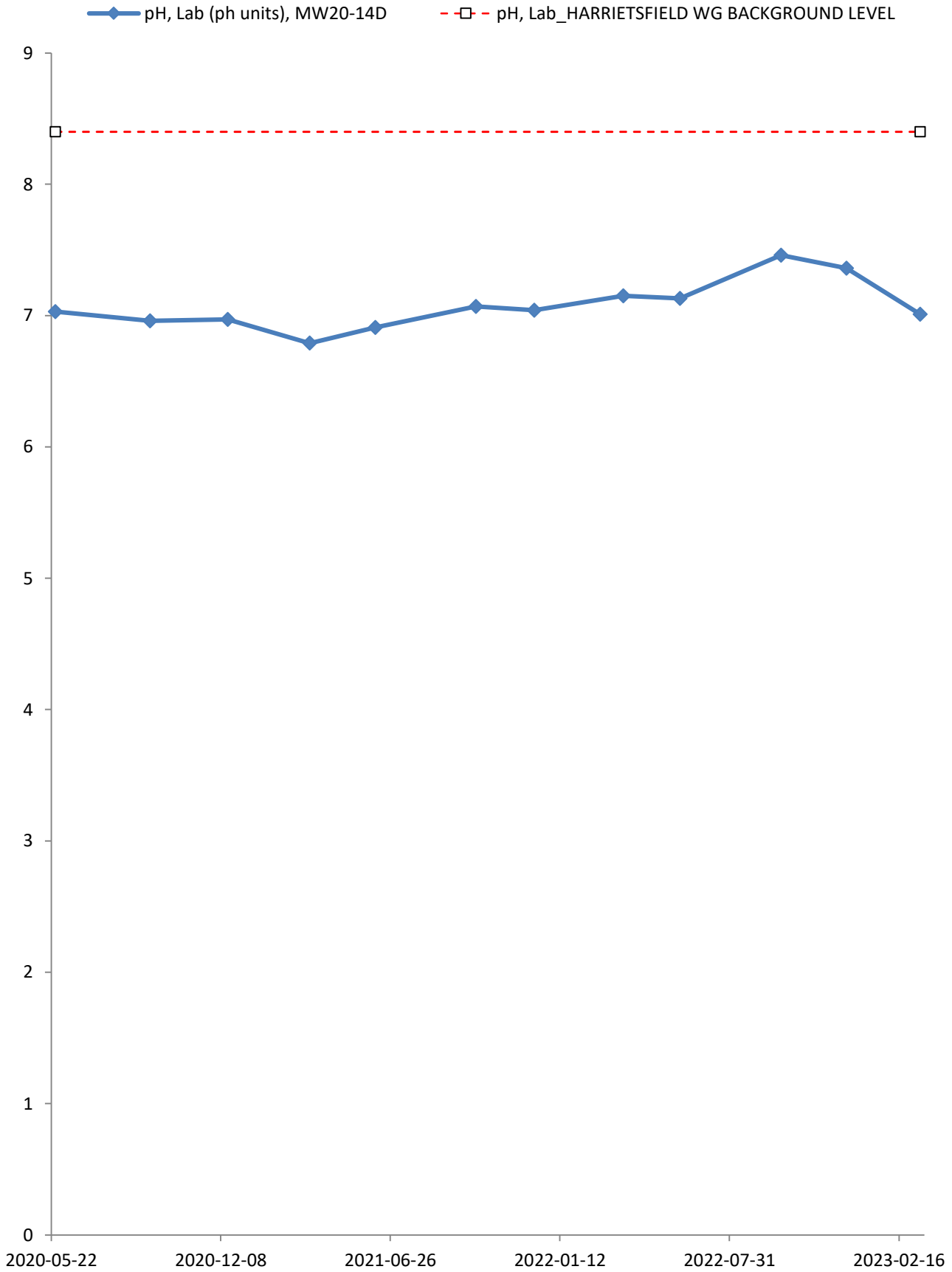
◆ Nitrate plus Nitrite (N) (mg/l), MW20-14D
-□- Nitrate plus Nitrite (N)_HARRIETSFIELD WG BACKGROUND LEVEL

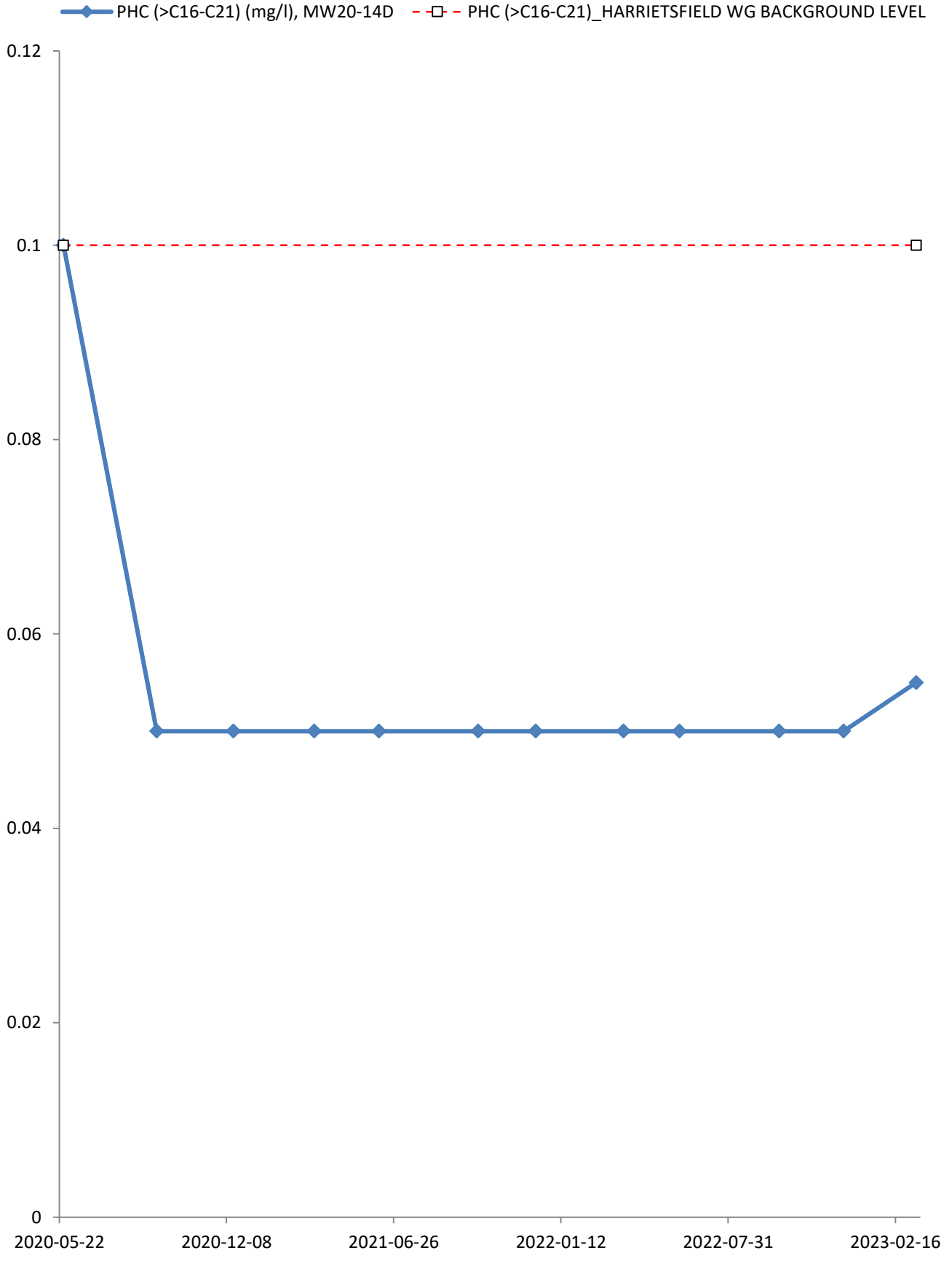


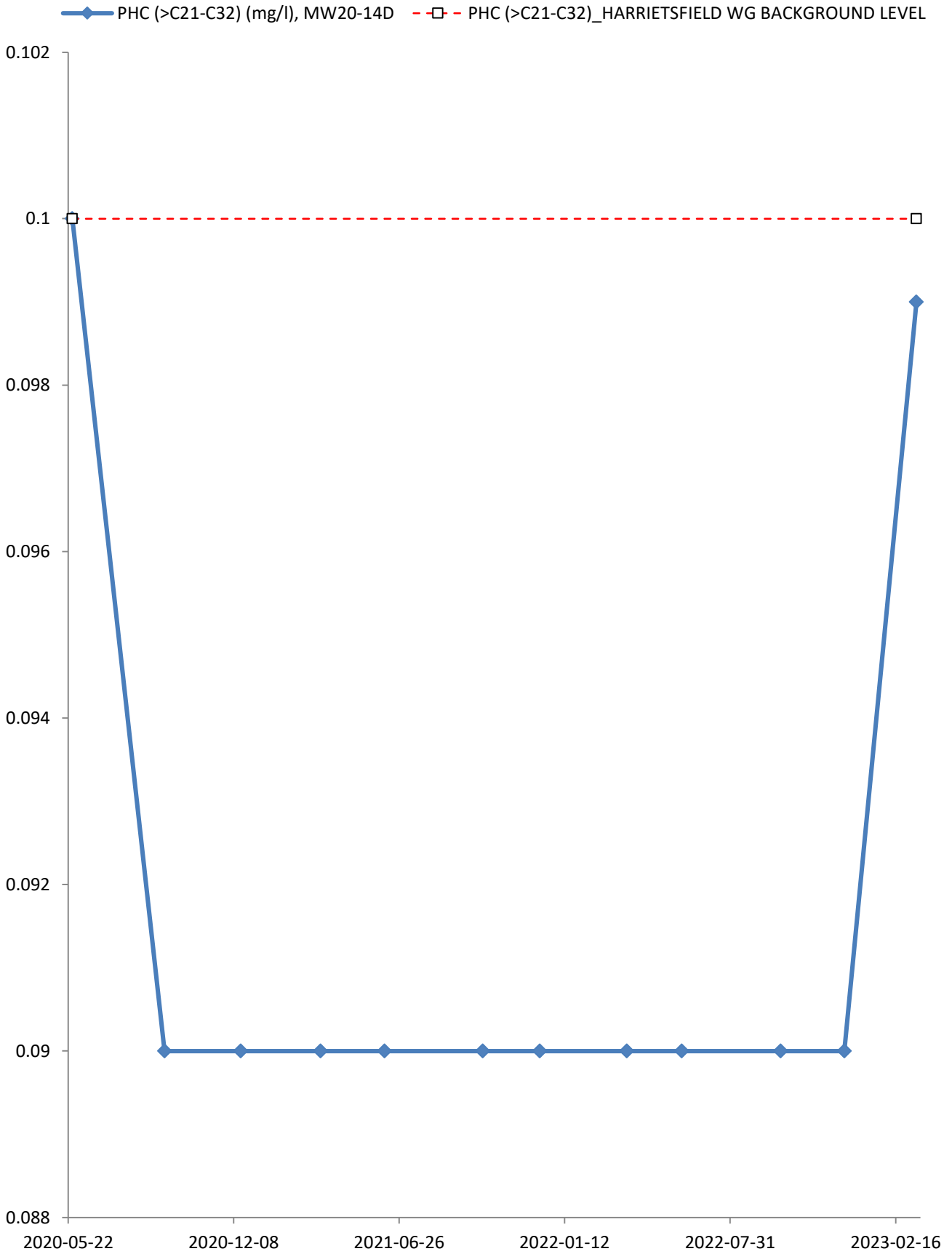


—◆— Orthophosphate(as P) (mg/l), MW20-14D
- -□- - Orthophosphate(as P)_HARRIETSFIELD WG BACKGROUND LEVEL

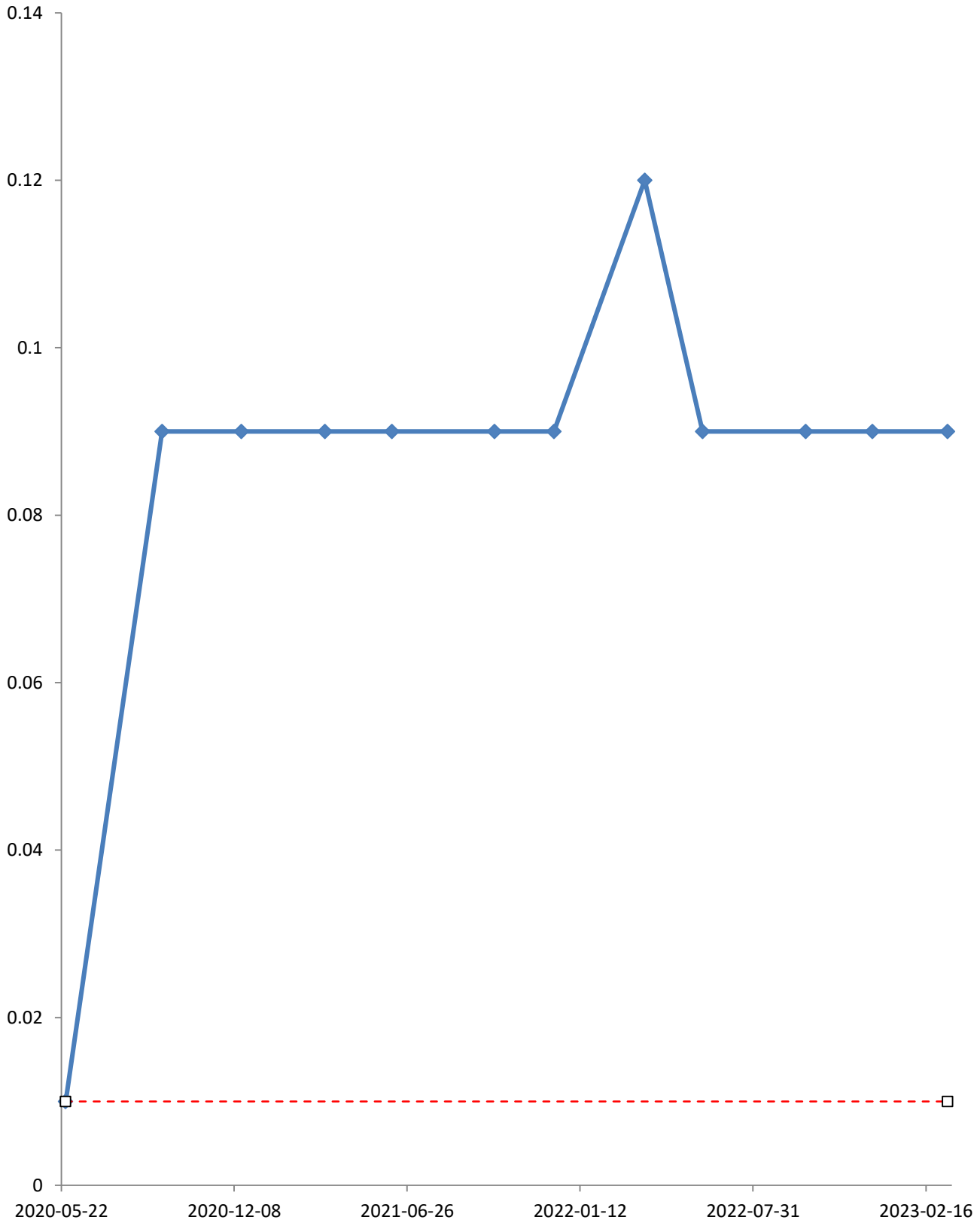




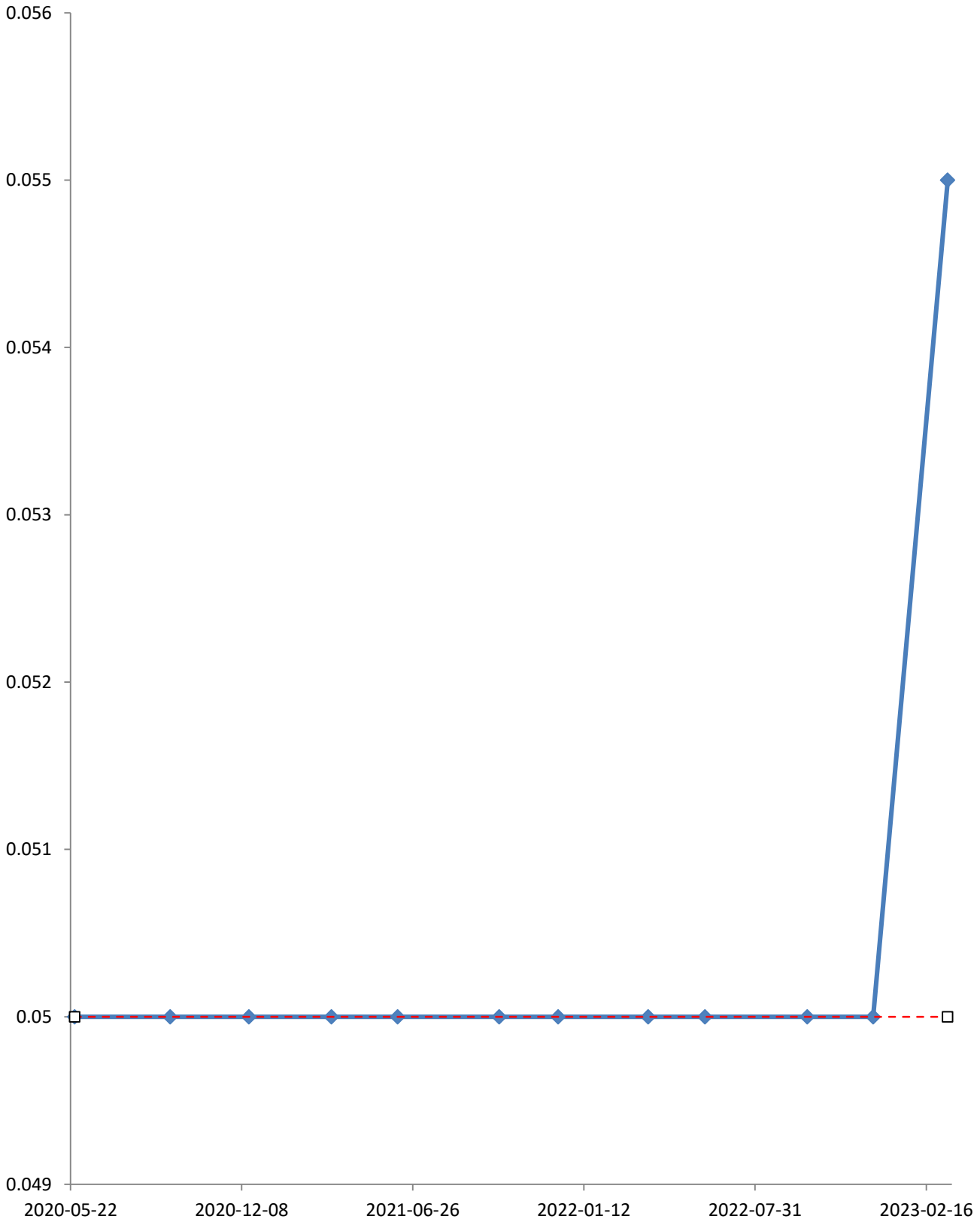


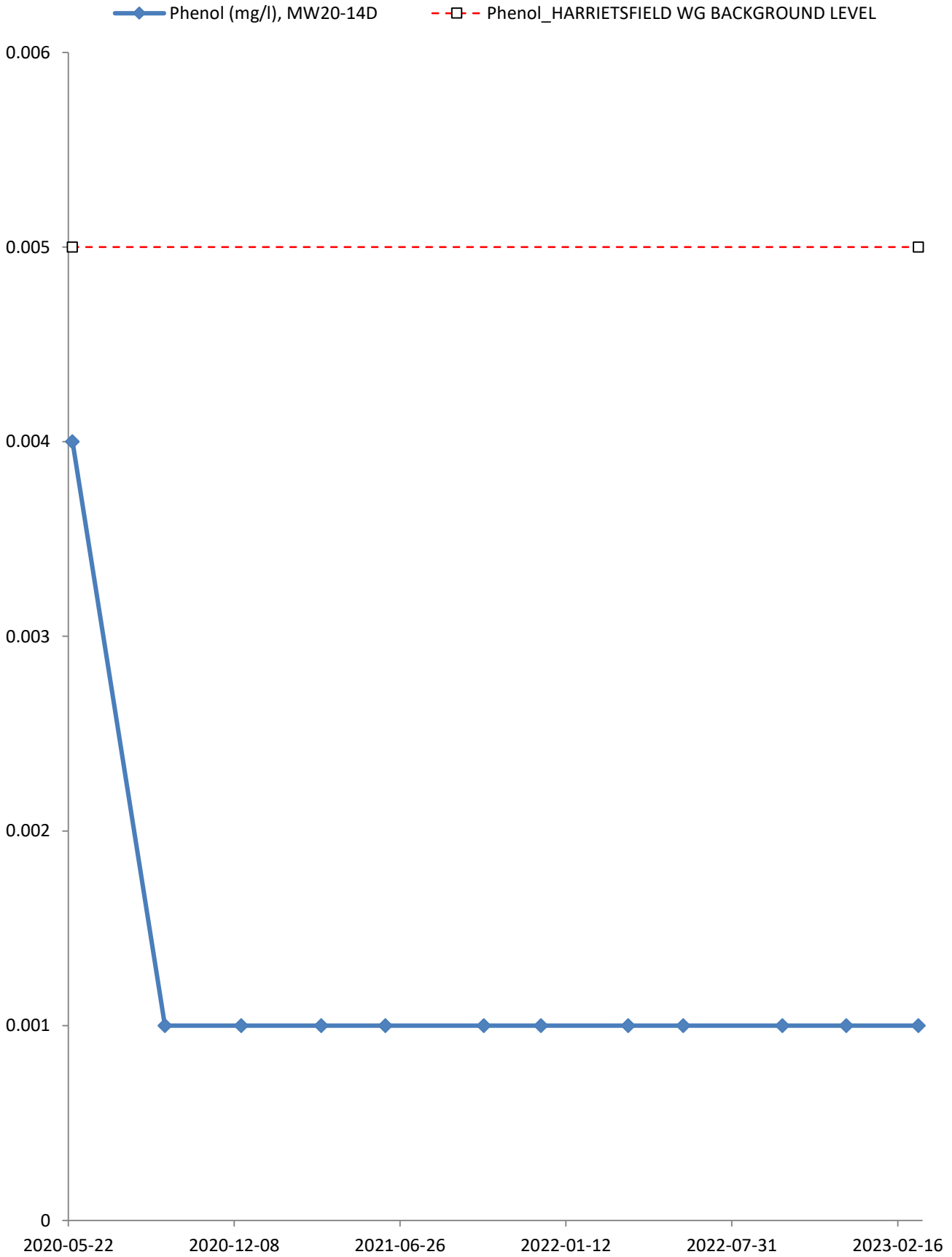


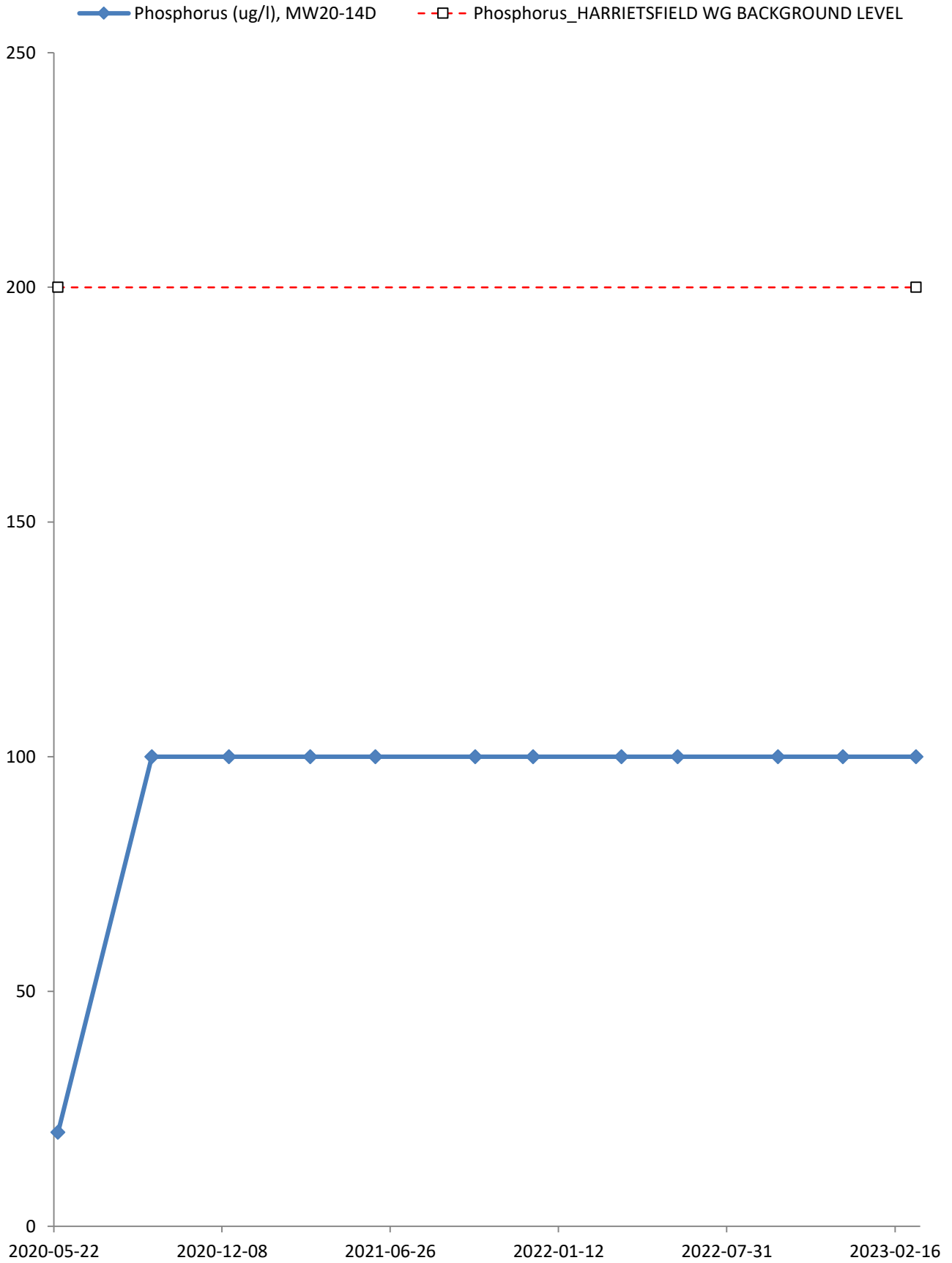
—◆— PHC F1 (C6-C10) min BTEX (mg/l), MW20-14D
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WG BACKGROUND LEVEL

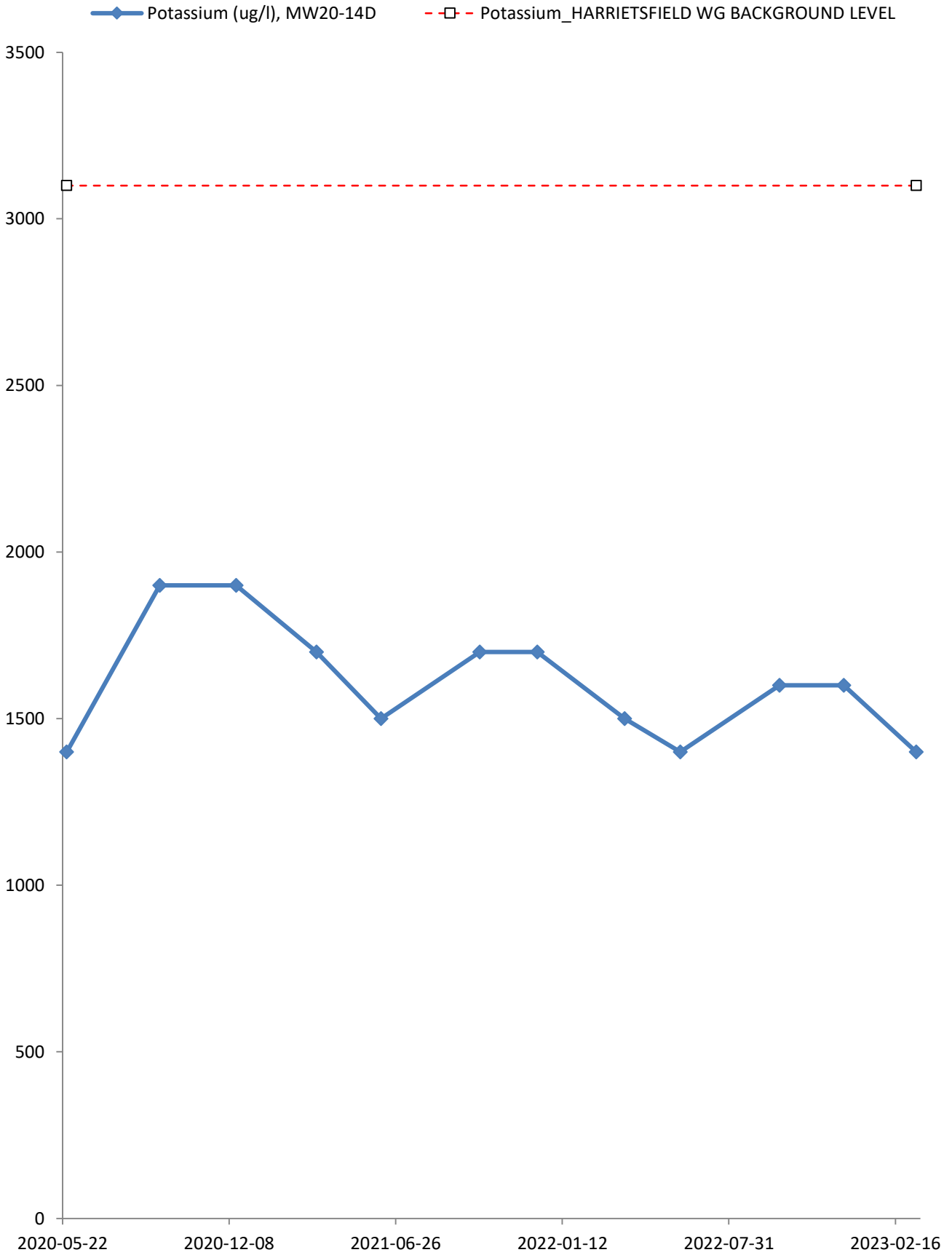


—◆— PHC F2 (>C10-C16) (mg/l), MW20-14D
- -□- - PHC F2 (>C10-C16)_HARRIETSFIELD WG BACKGROUND LEVEL

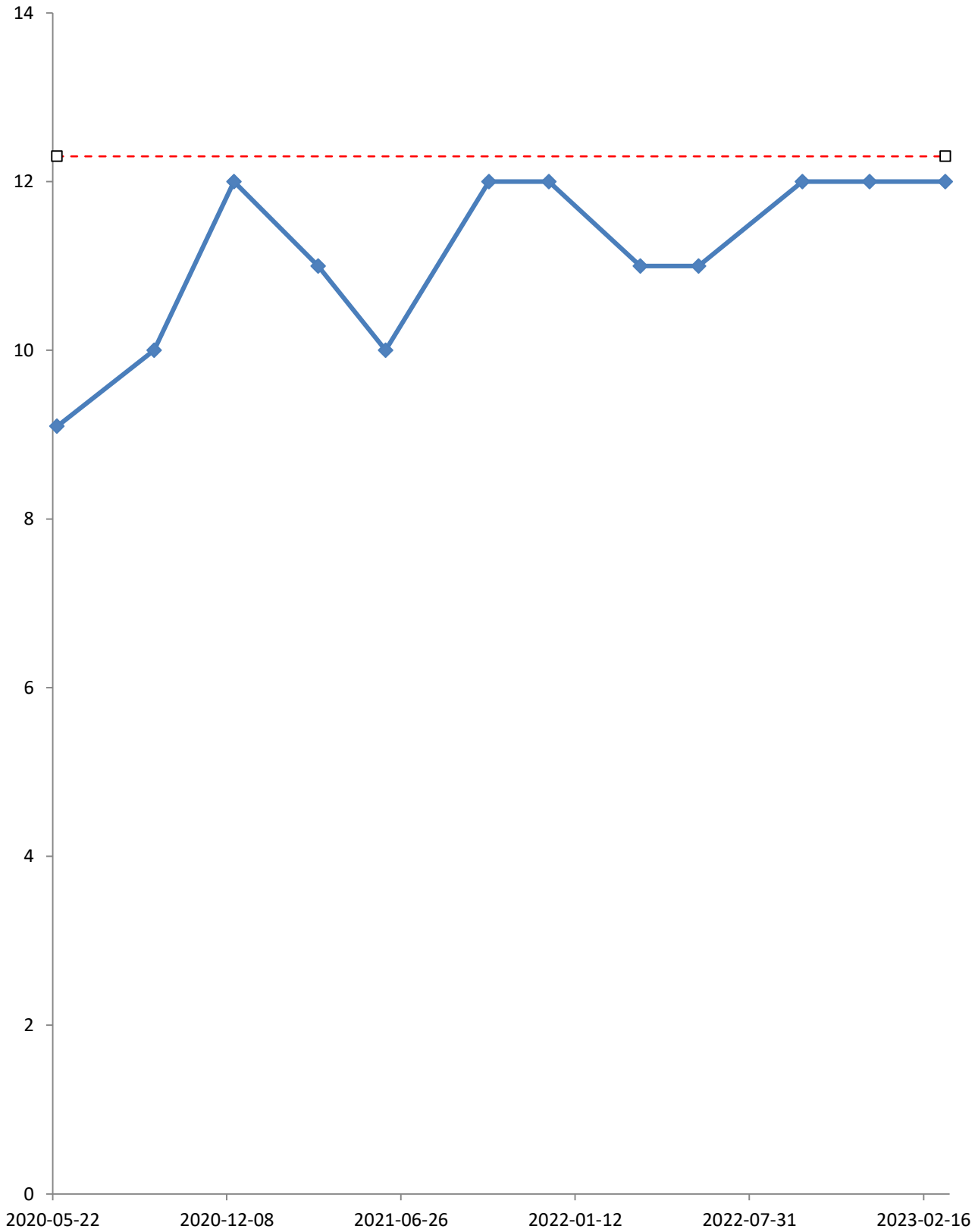




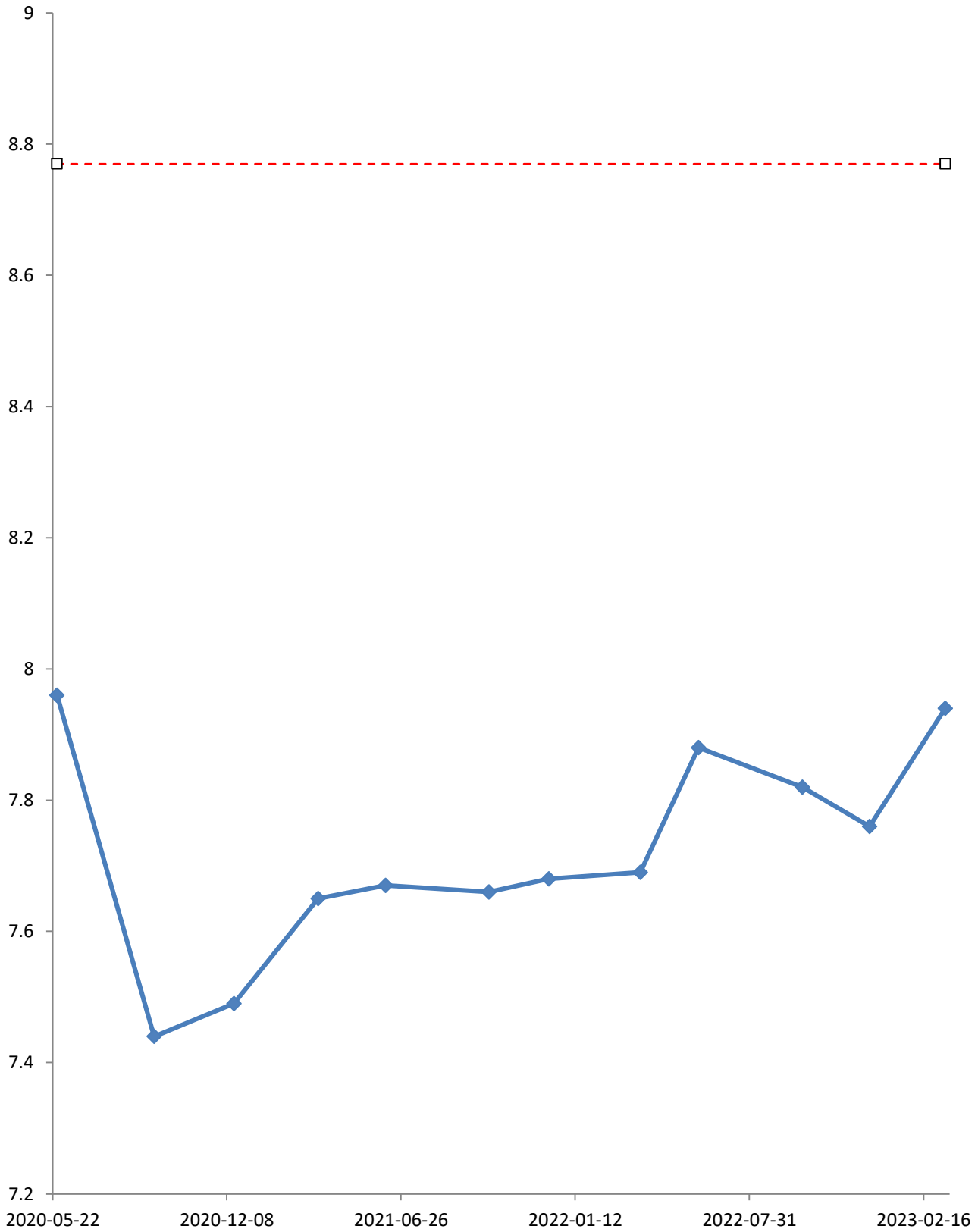




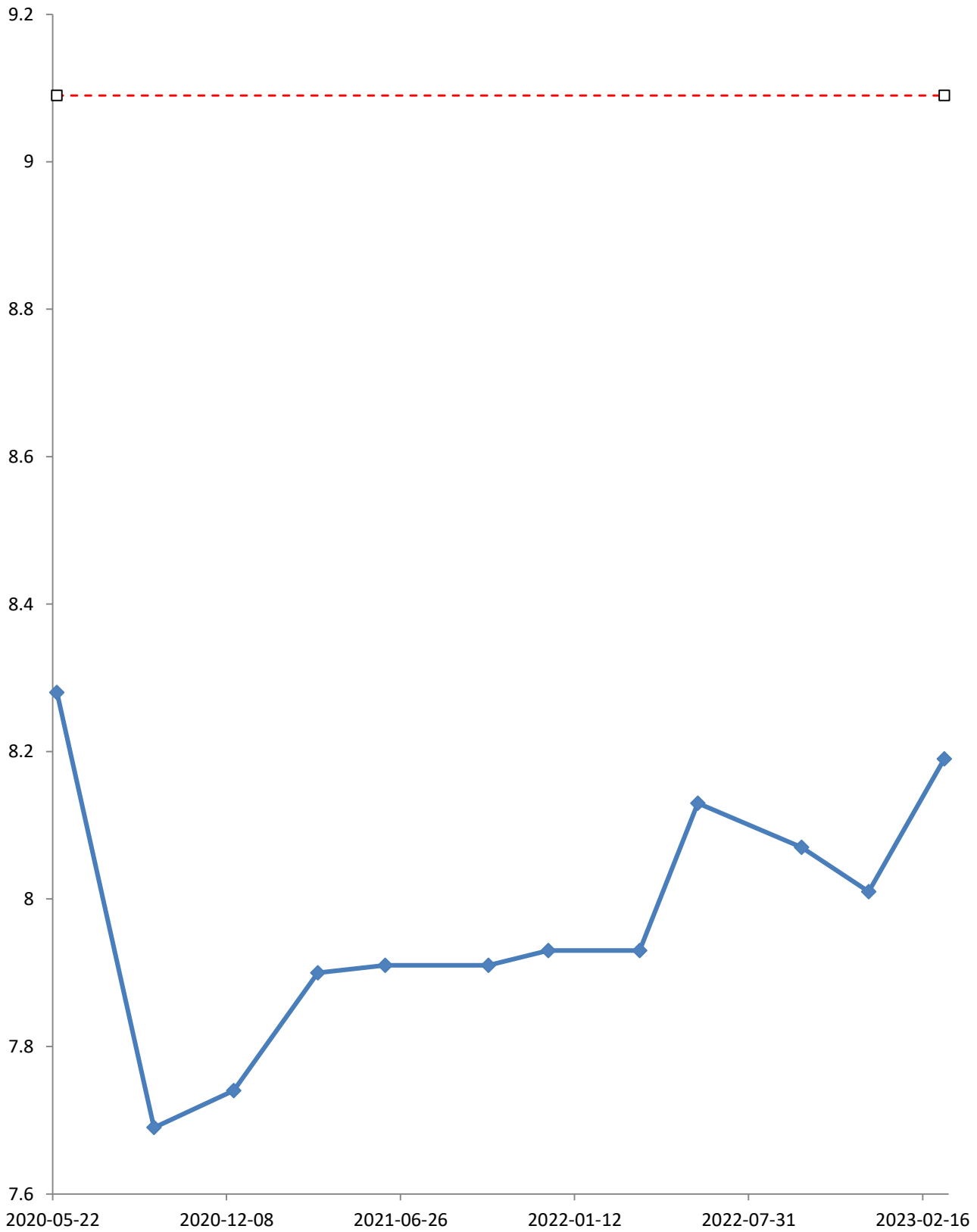
—◆— Reactive Silica (SiO₂) (mg/l), MW20-14D
- -□- - Reactive Silica (SiO₂)_HARRIETSFIELD WG BACKGROUND LEVEL

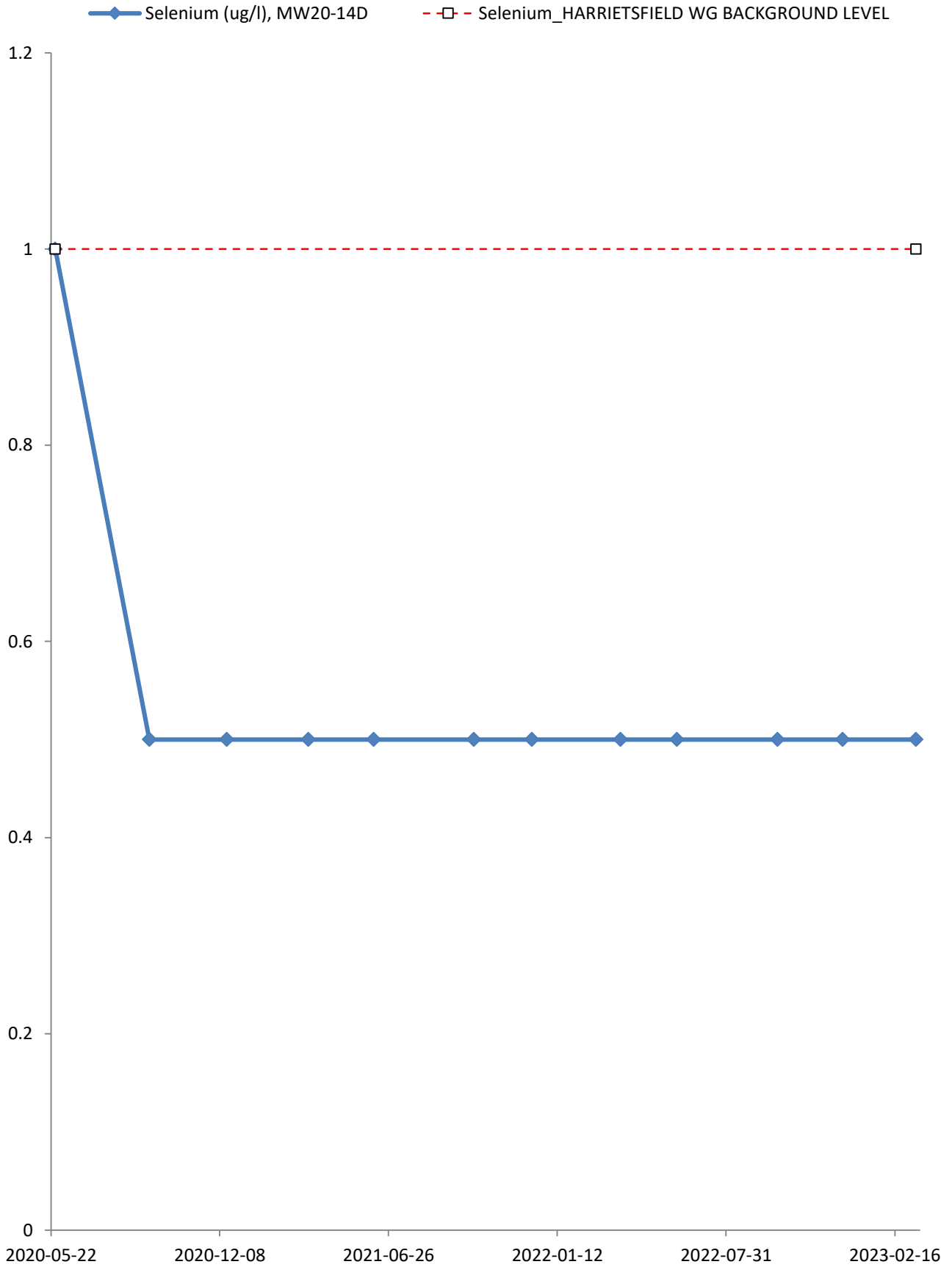


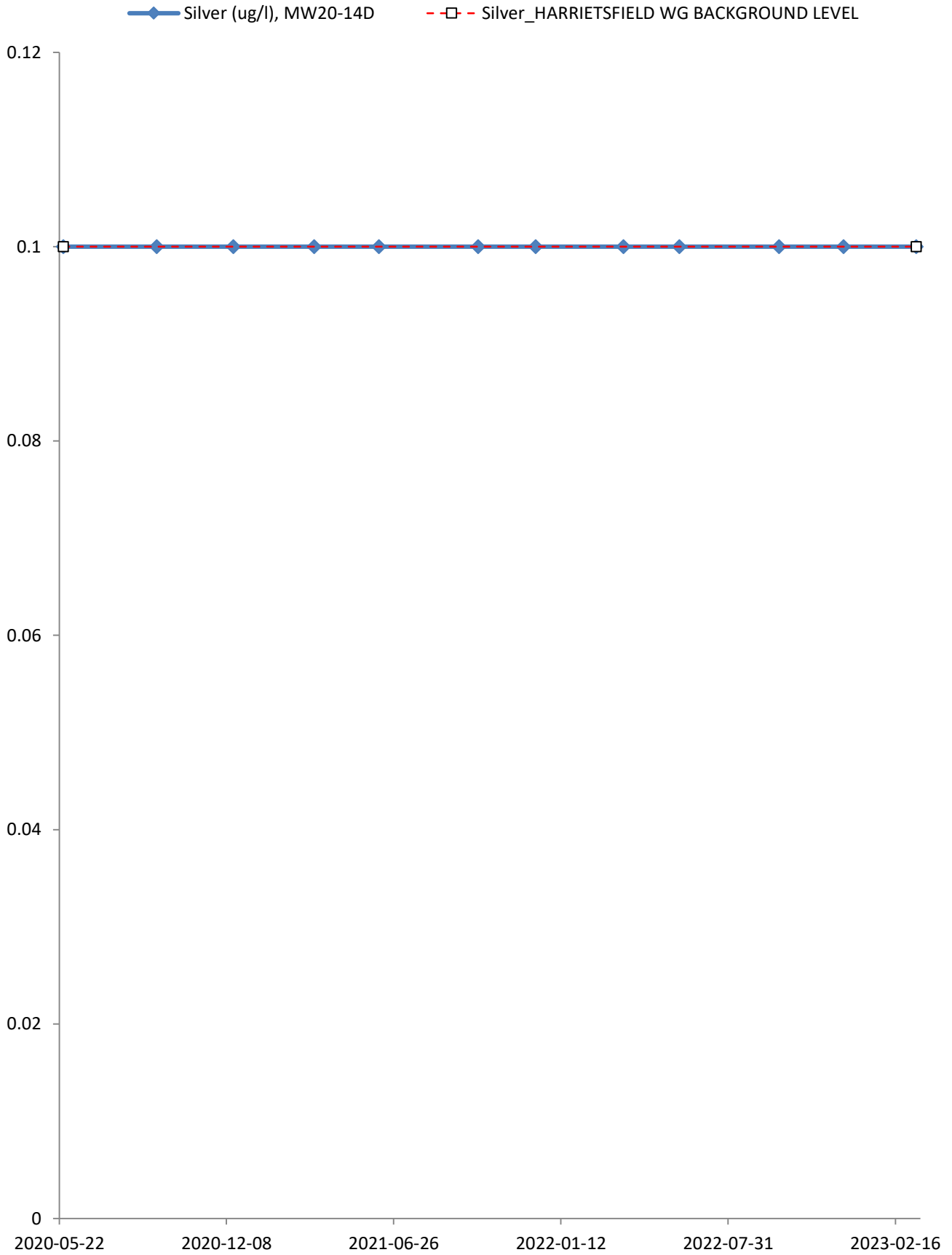
—◆— Saturation pH (at 20 C) (none), MW20-14D
- -□- - Saturation pH (at 20 C)_HARRIETSFIELD WG BACKGROUND LEVEL

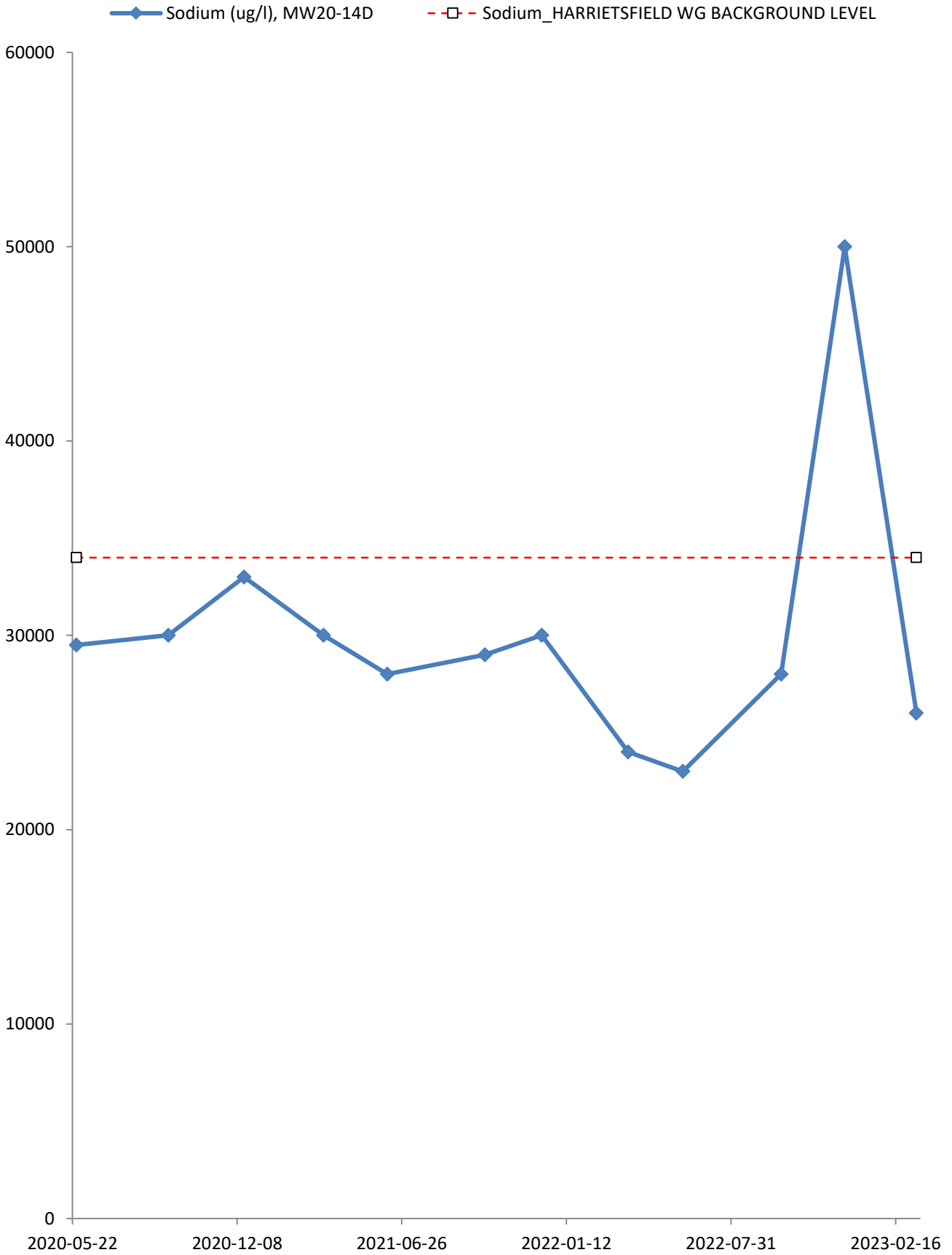


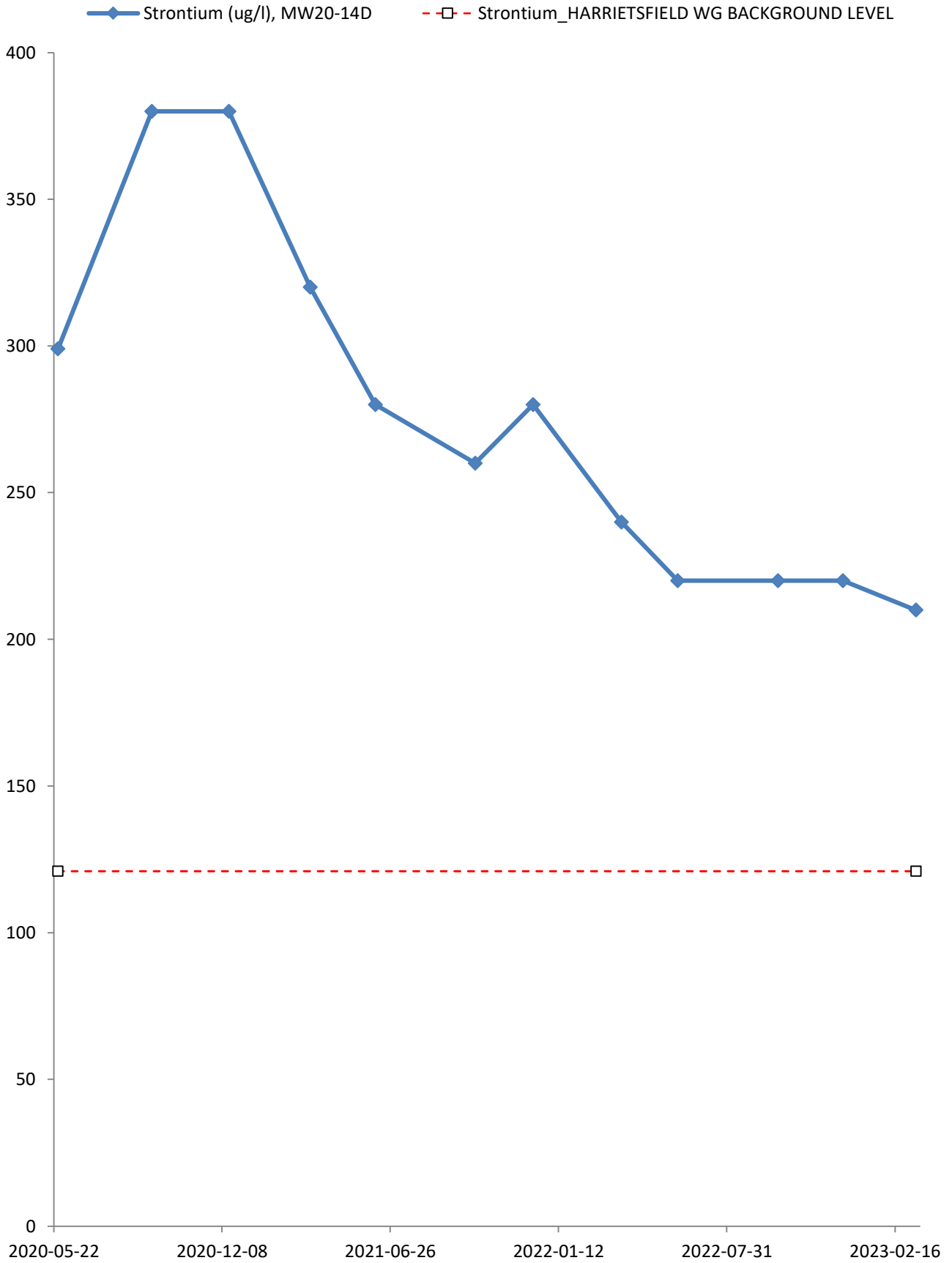
- ◆— Saturation pH (at 4 C) (none), MW20-14D
- -□- - Saturation pH (at 4 C)_HARRIETSFIELD WG BACKGROUND LEVEL

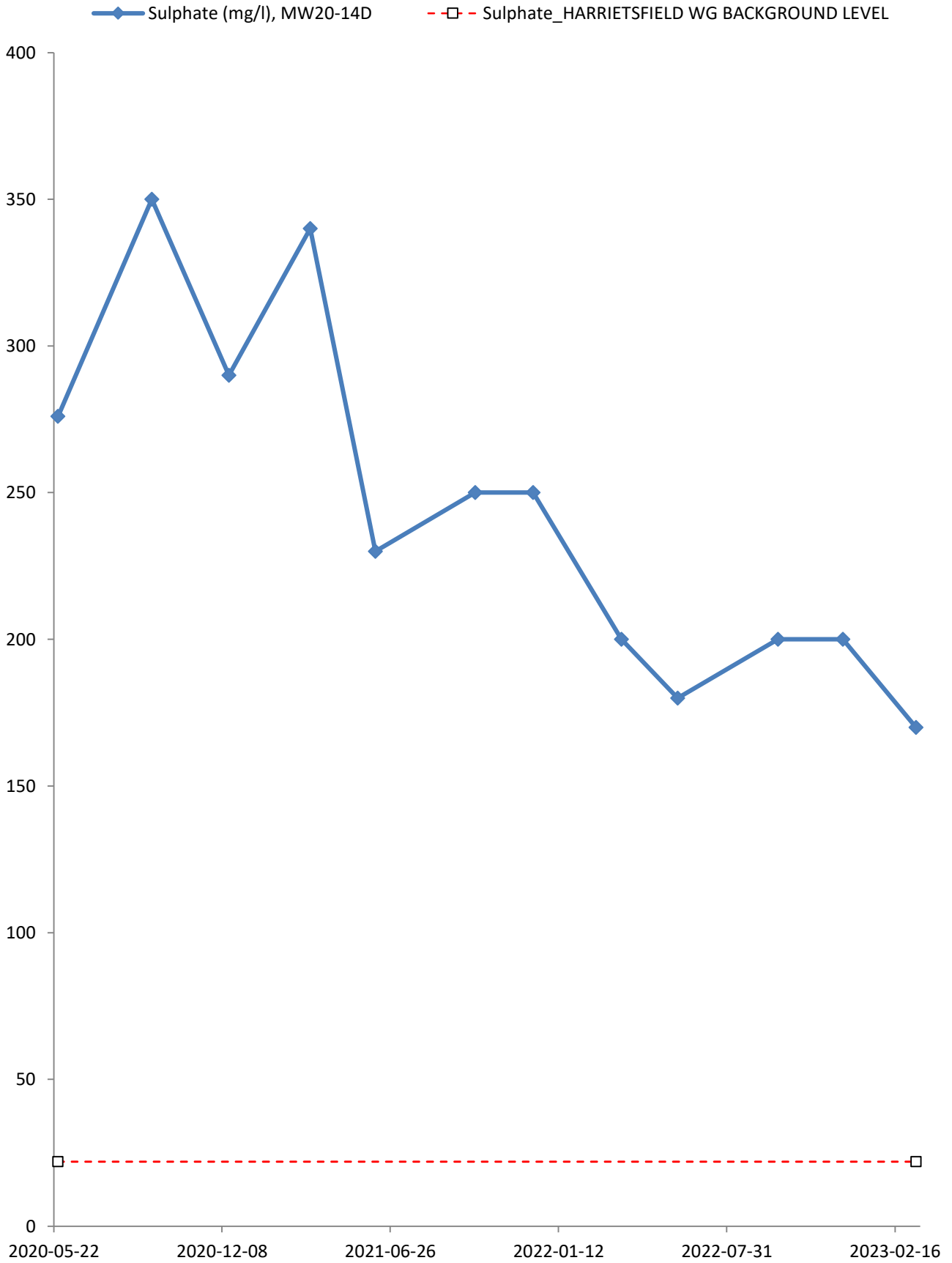


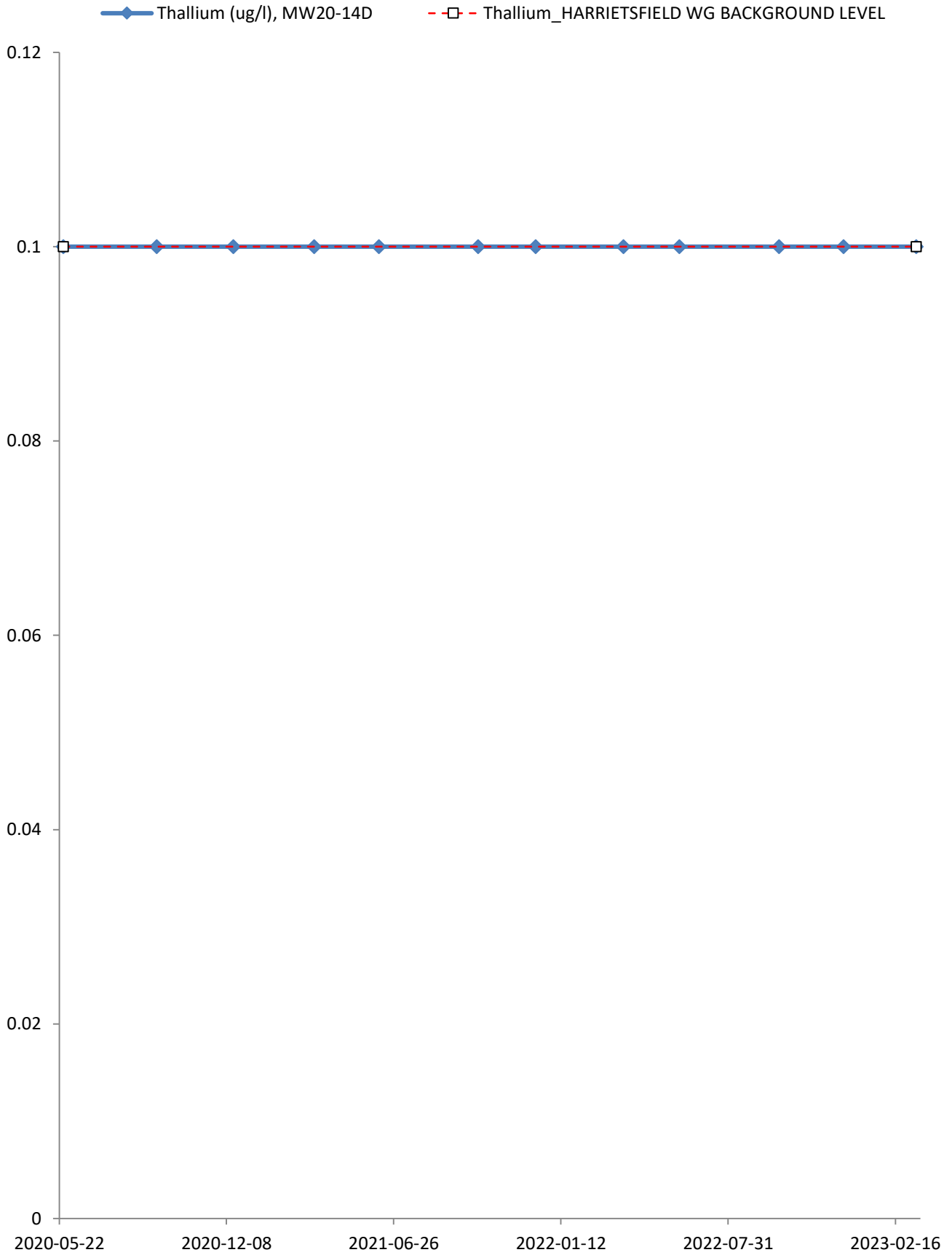


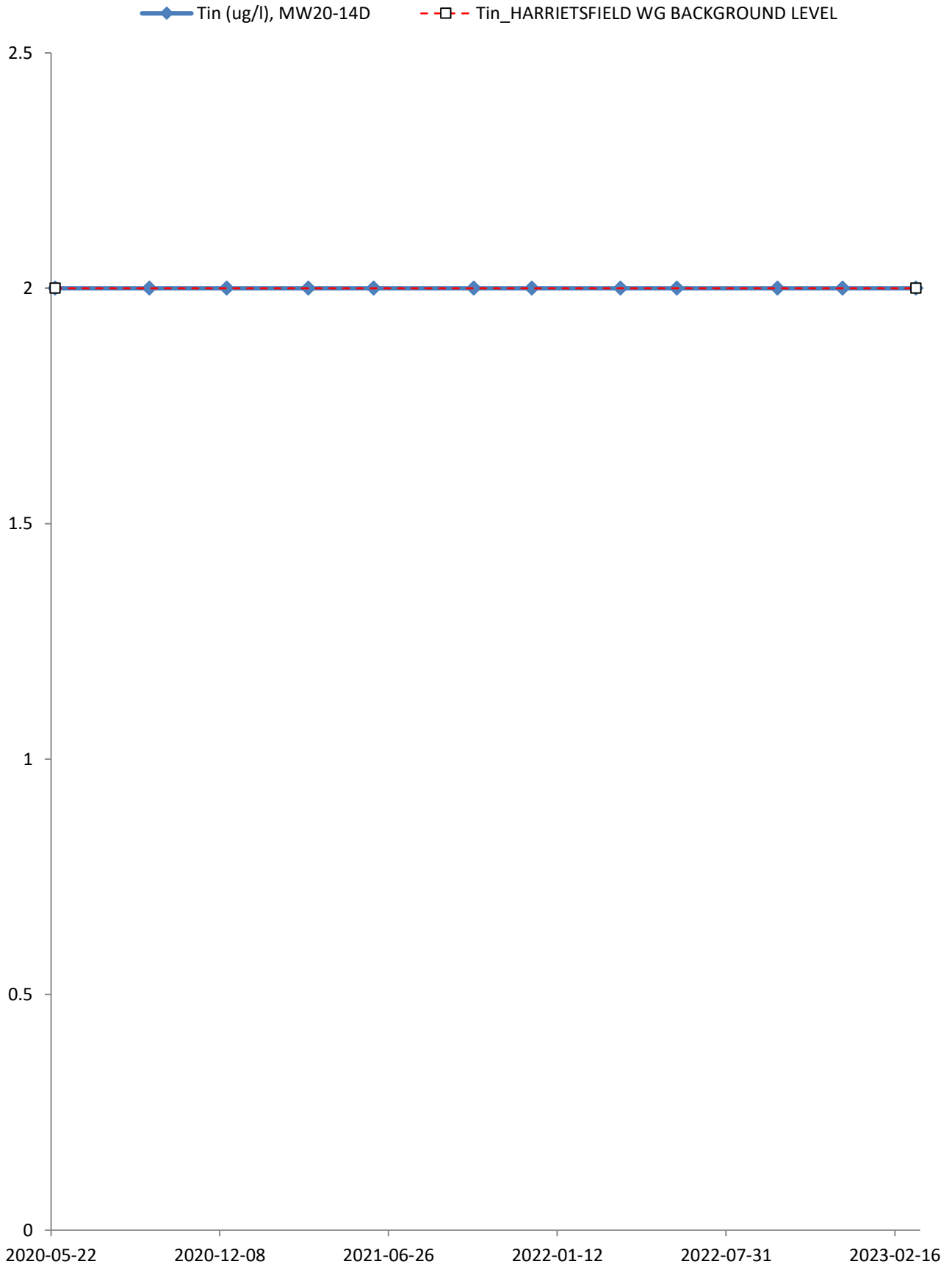


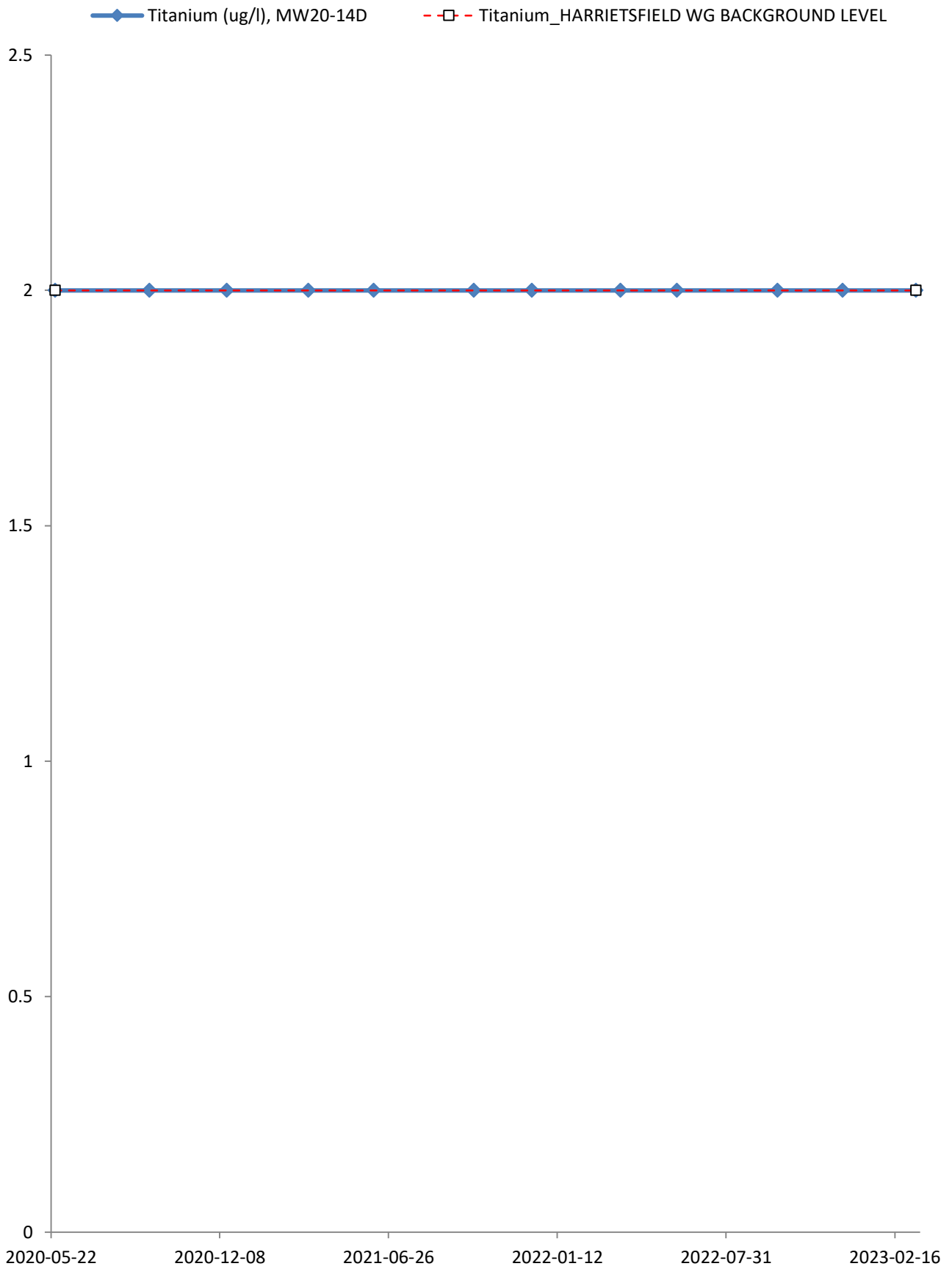


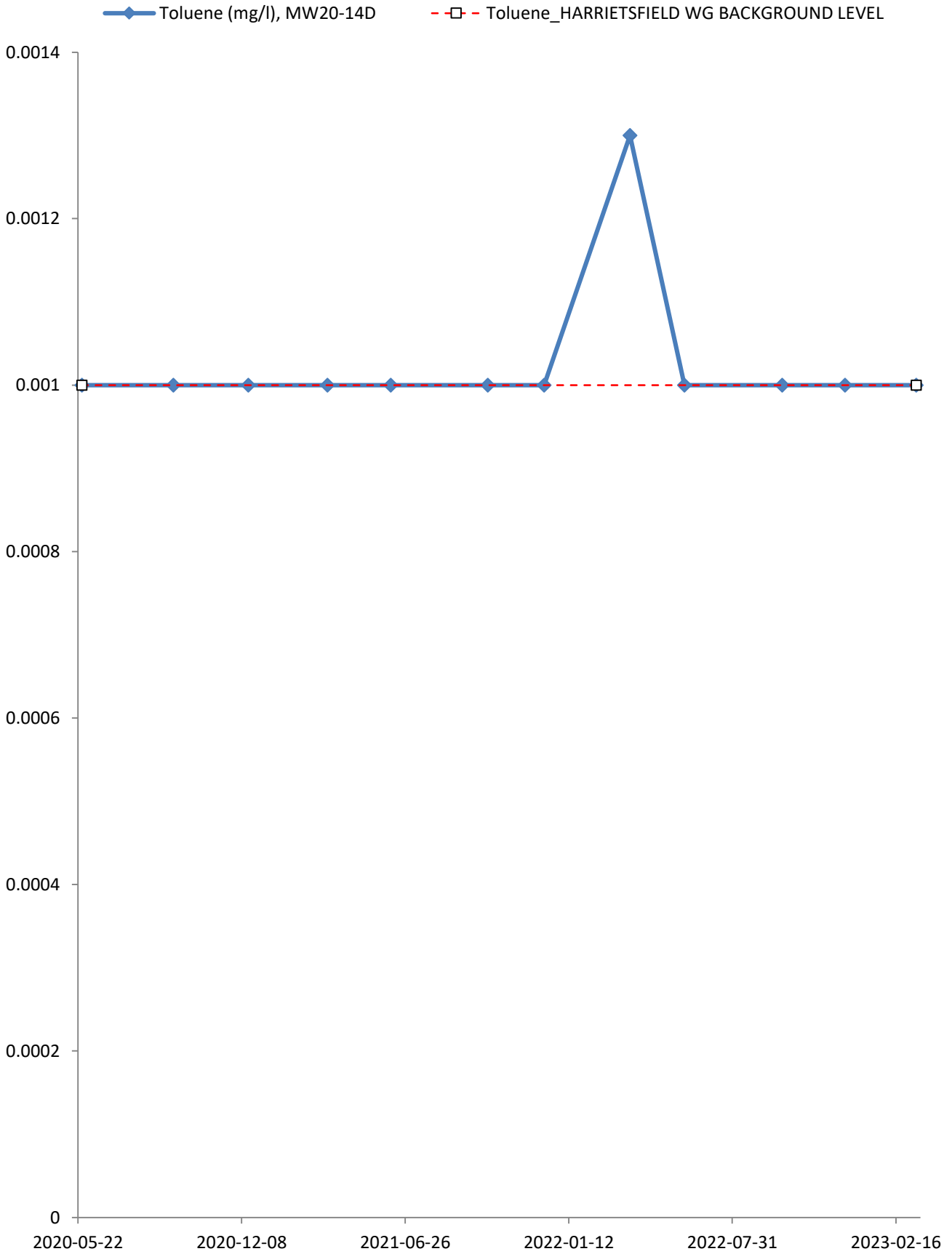




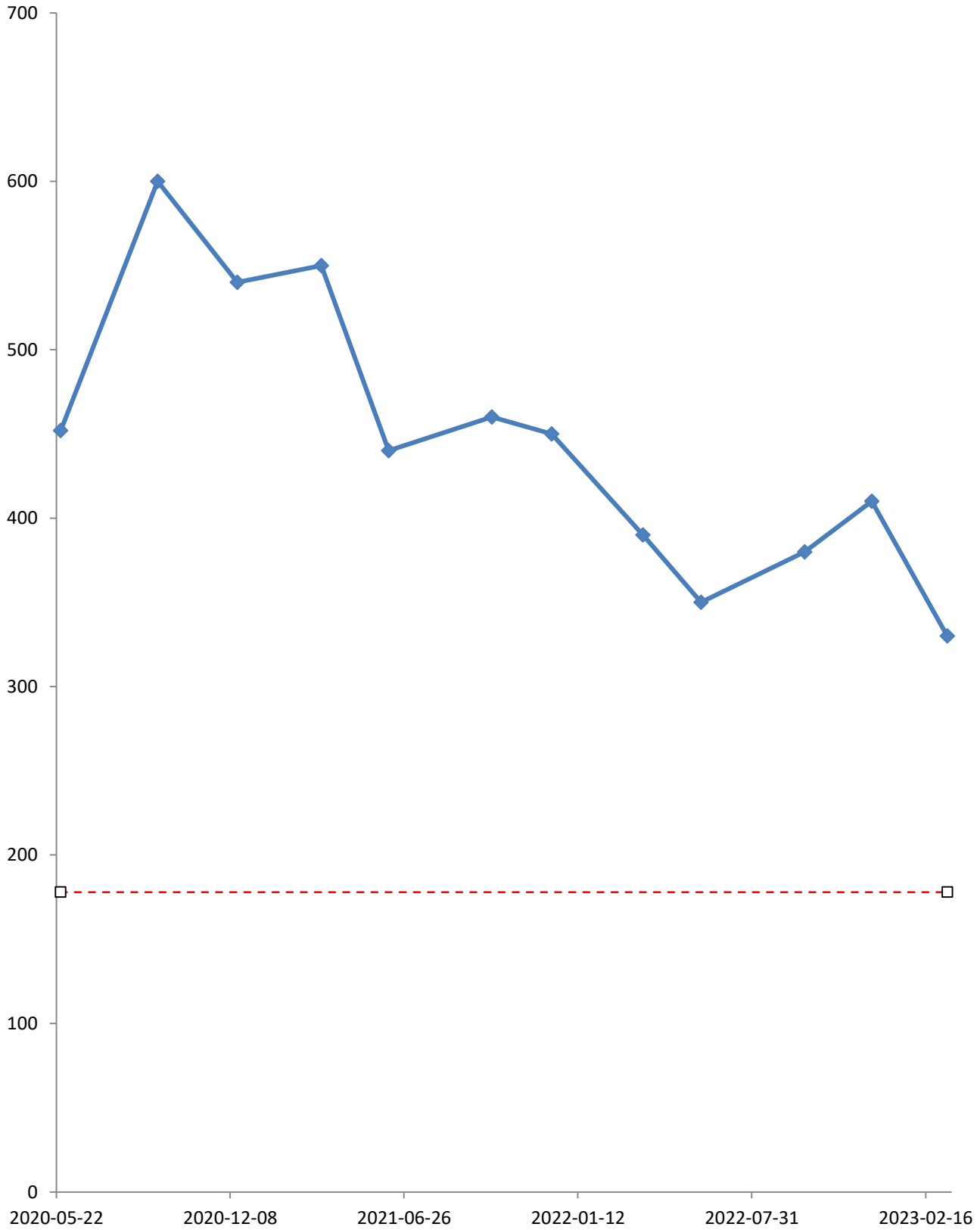








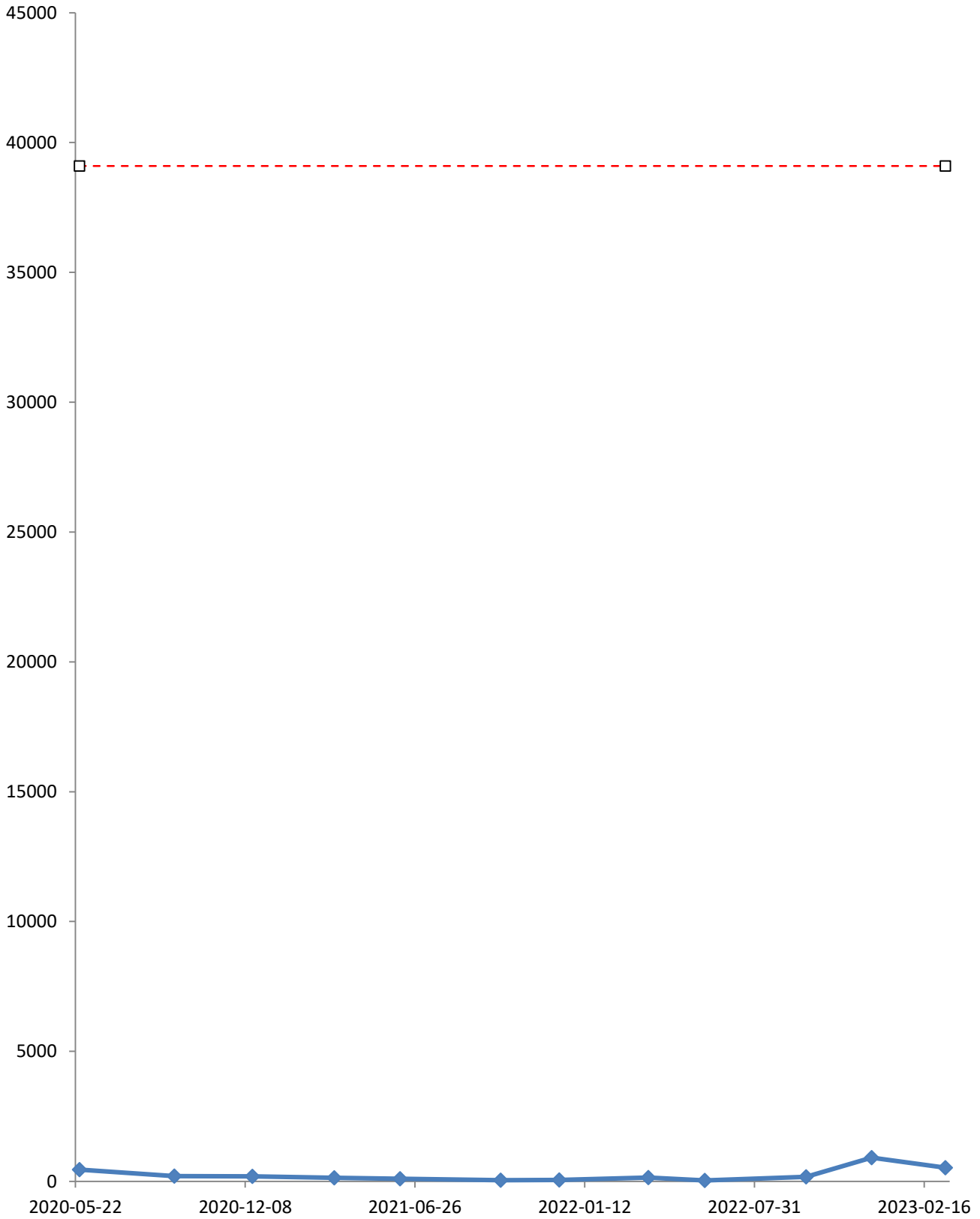
—◆— Total Diss Solids (Lab) (mg/l), MW20-14D
- -□- - Total Diss Solids (Lab)_HARRIETSFIELD WG BACKGROUND LEVEL

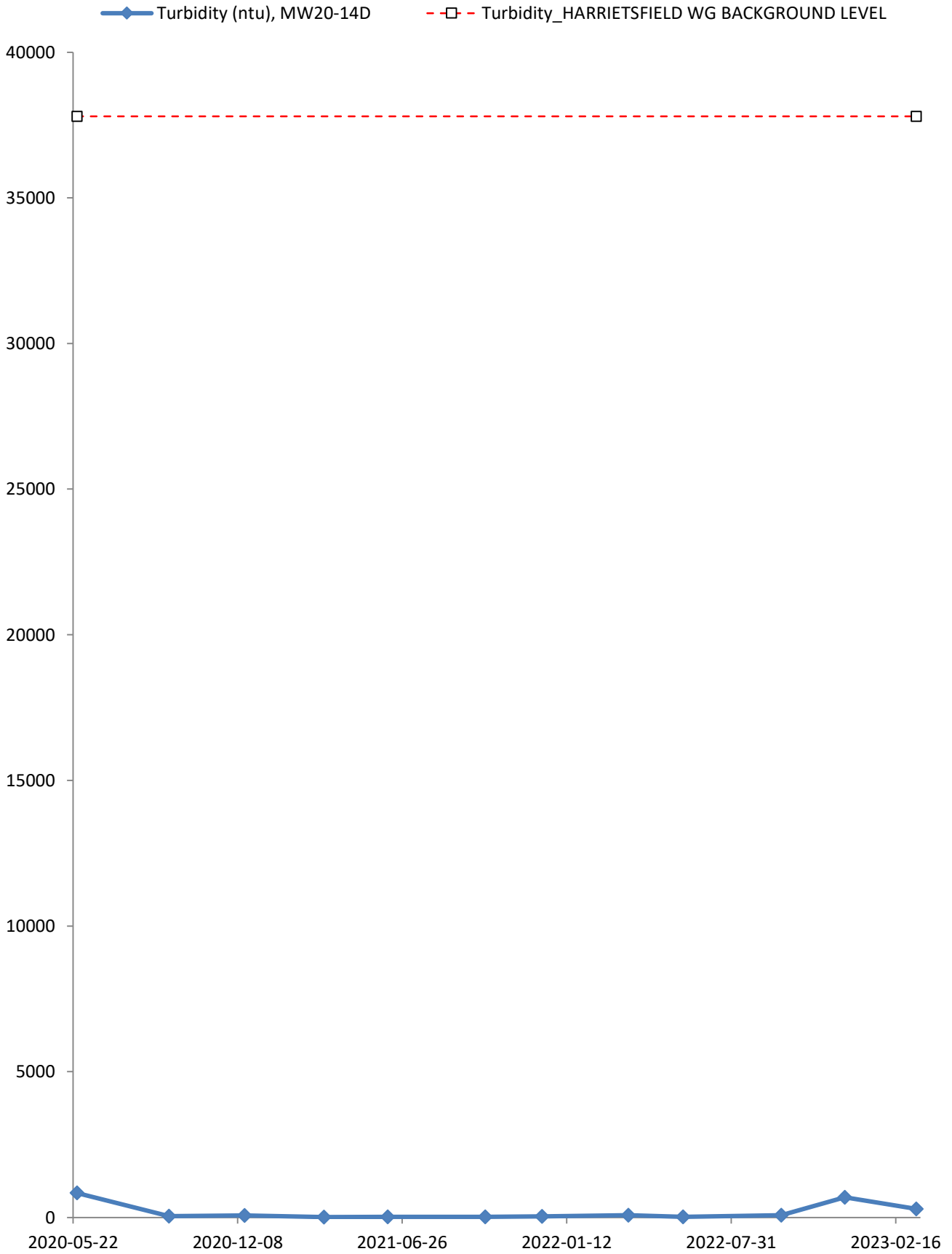


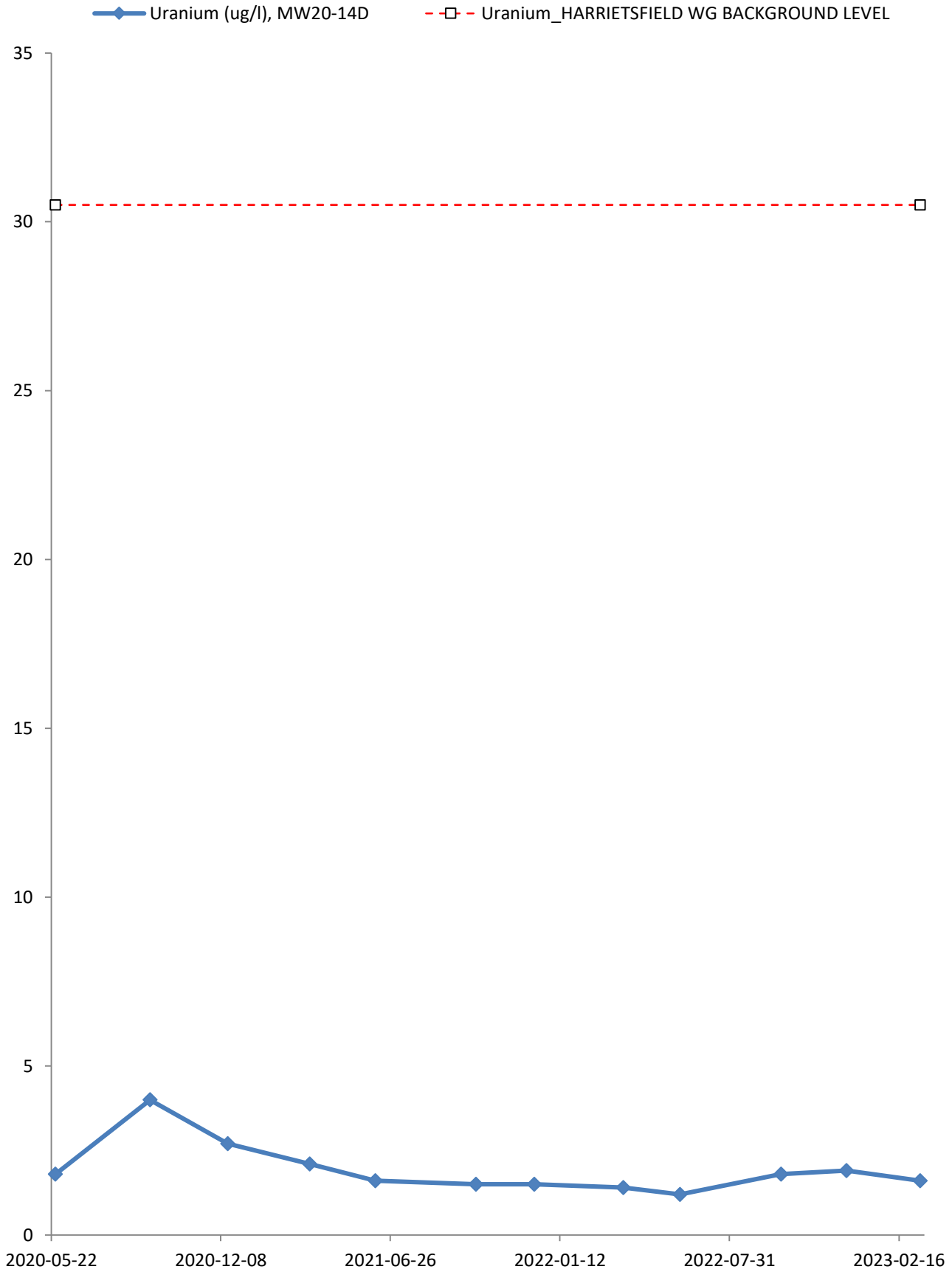
—◆— Total Organic Carbon (mg/l), MW20-14D
- -□- - Total Organic Carbon_HARRIETSFIELD WG BACKGROUND LEVEL

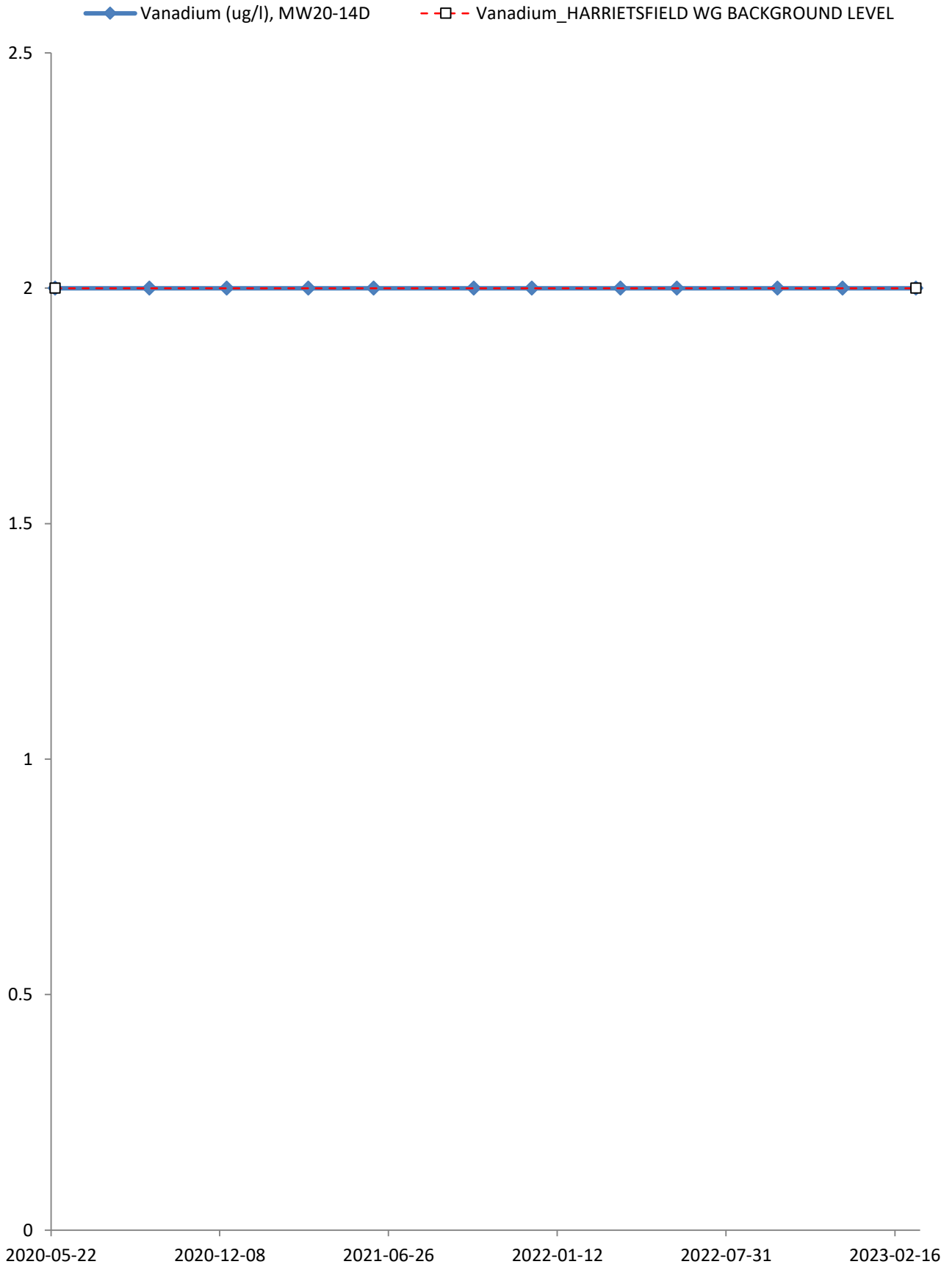


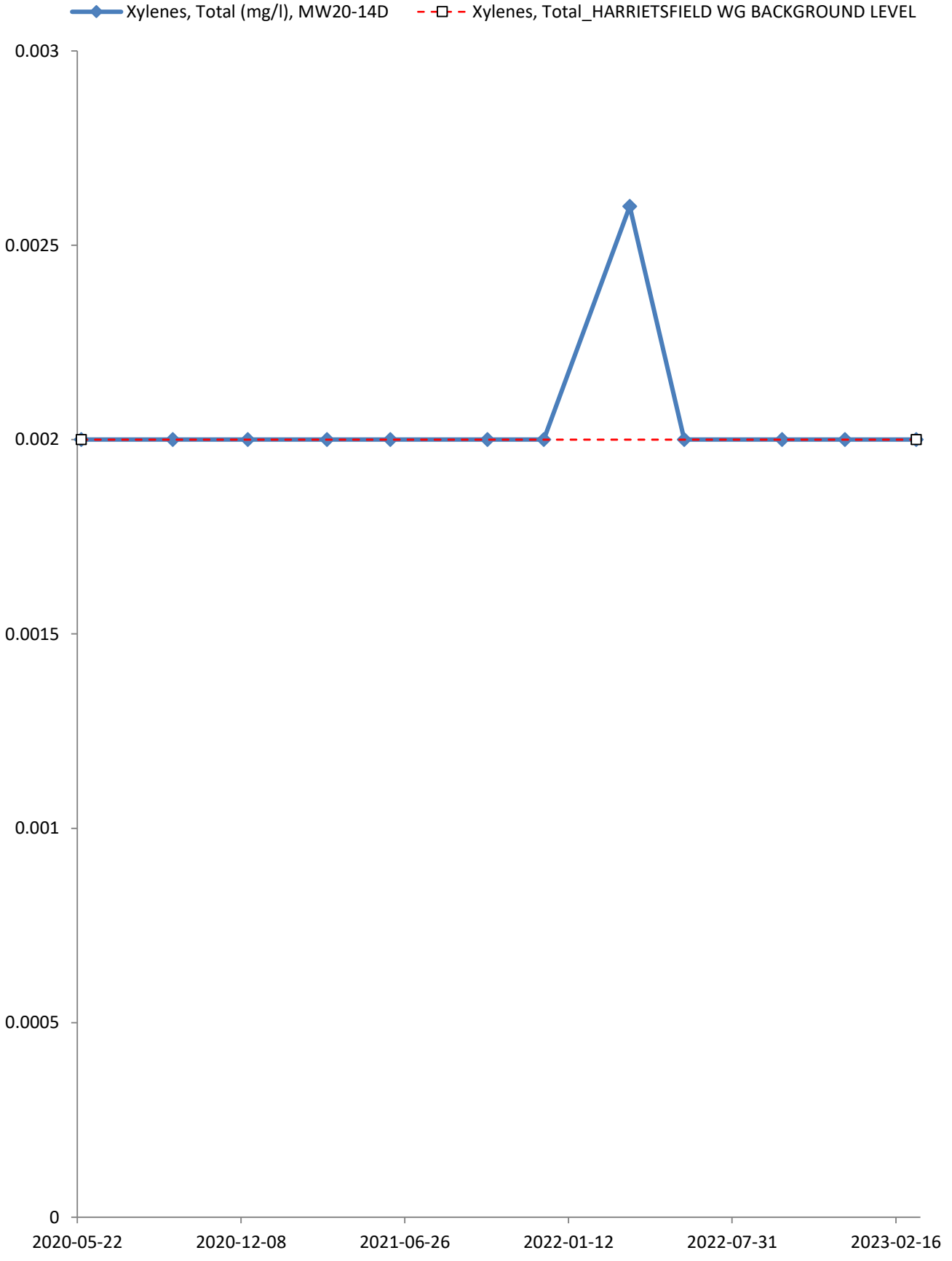
◆ Total Suspended Solids (mg/l), MW20-14D
-□- Total Suspended Solids_HARRIETSFIELD WG BACKGROUND LEVEL

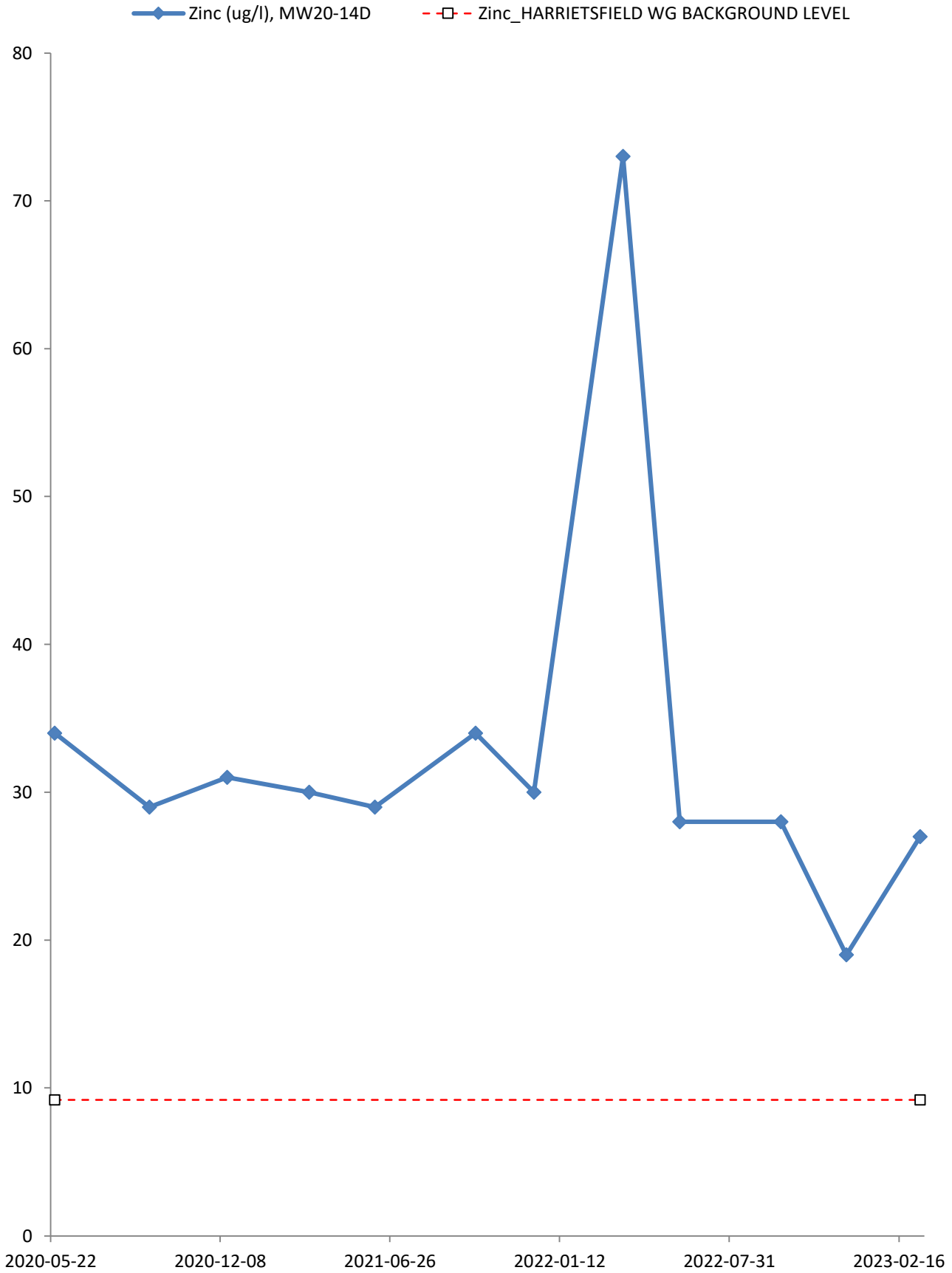




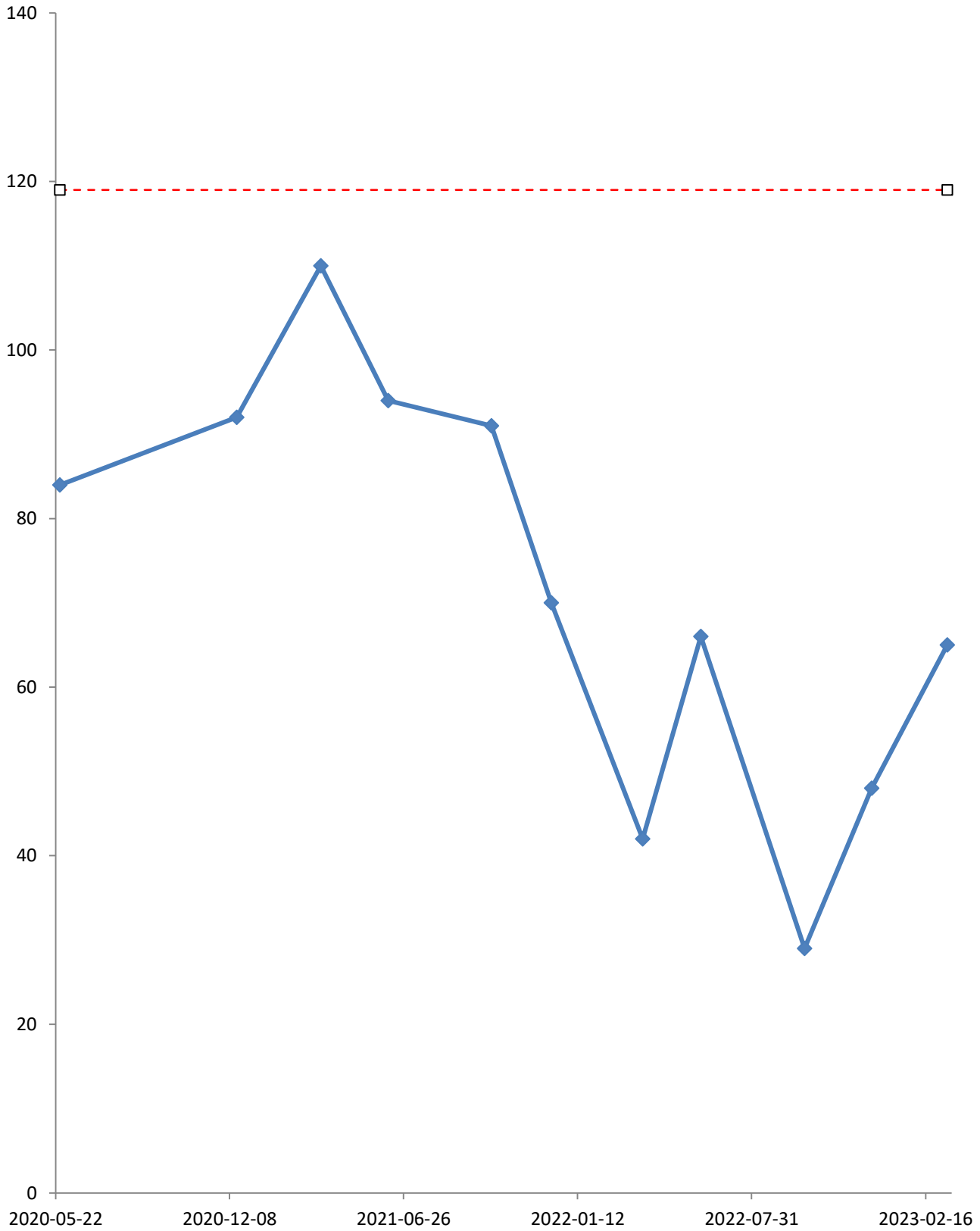




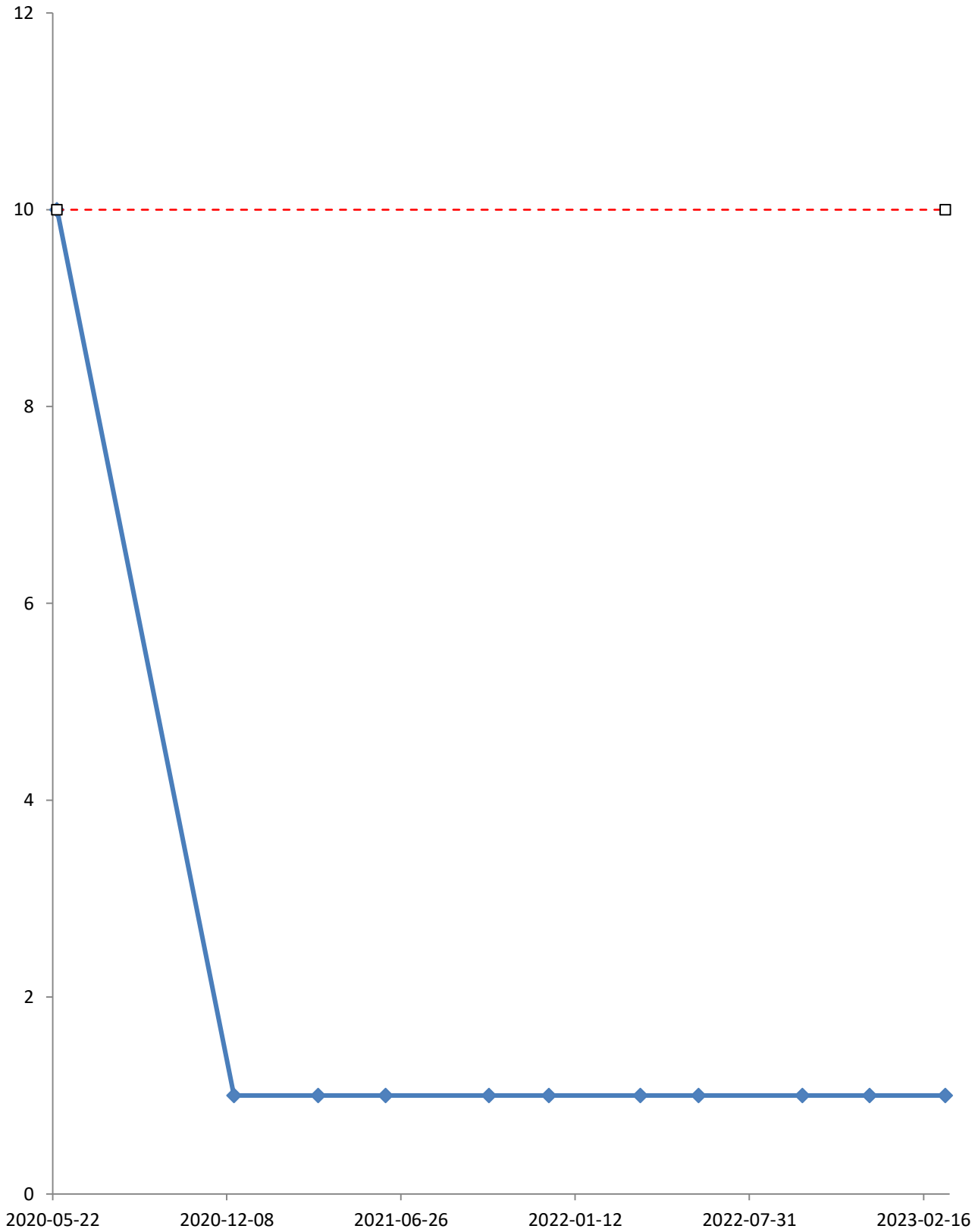


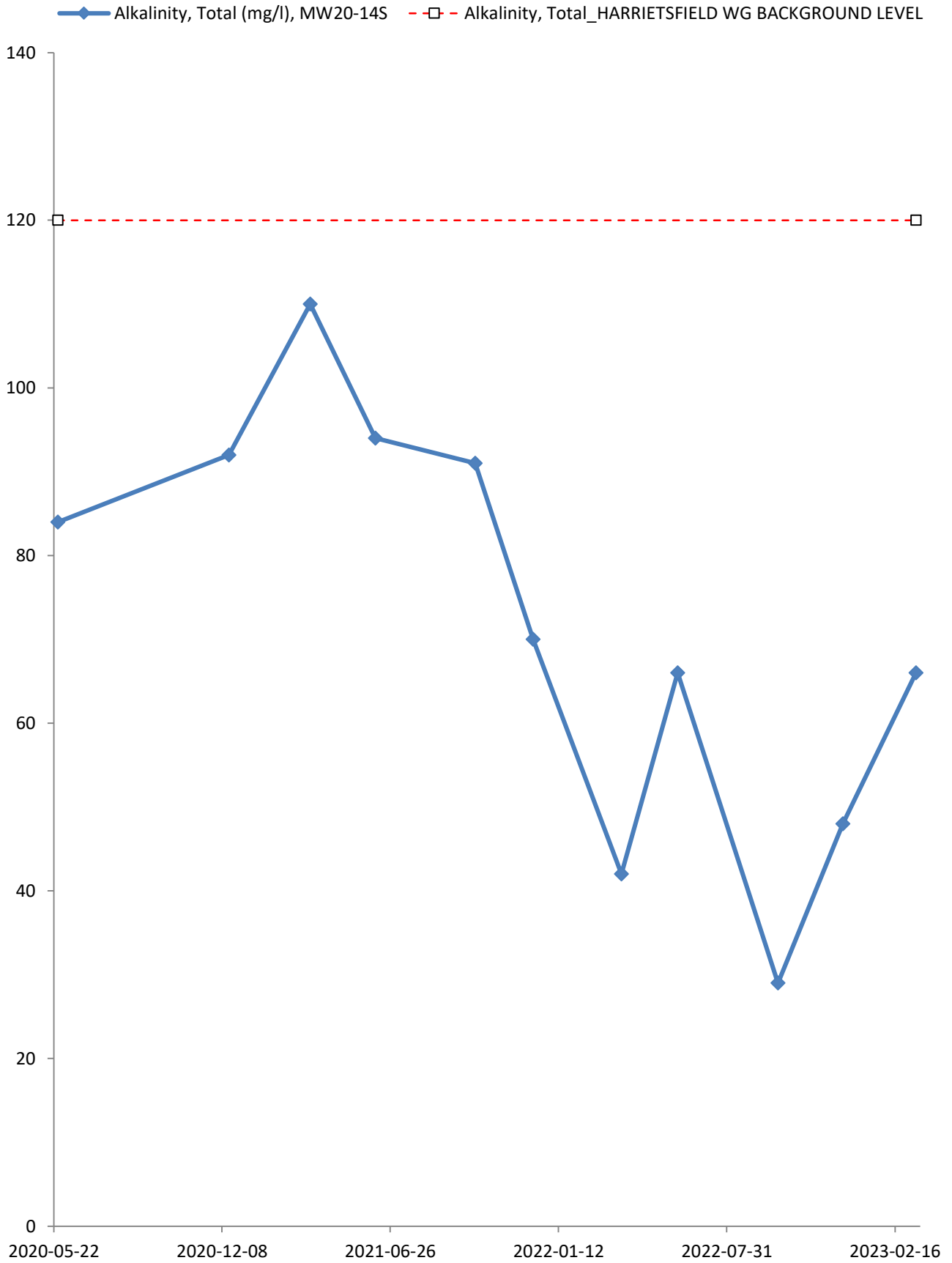


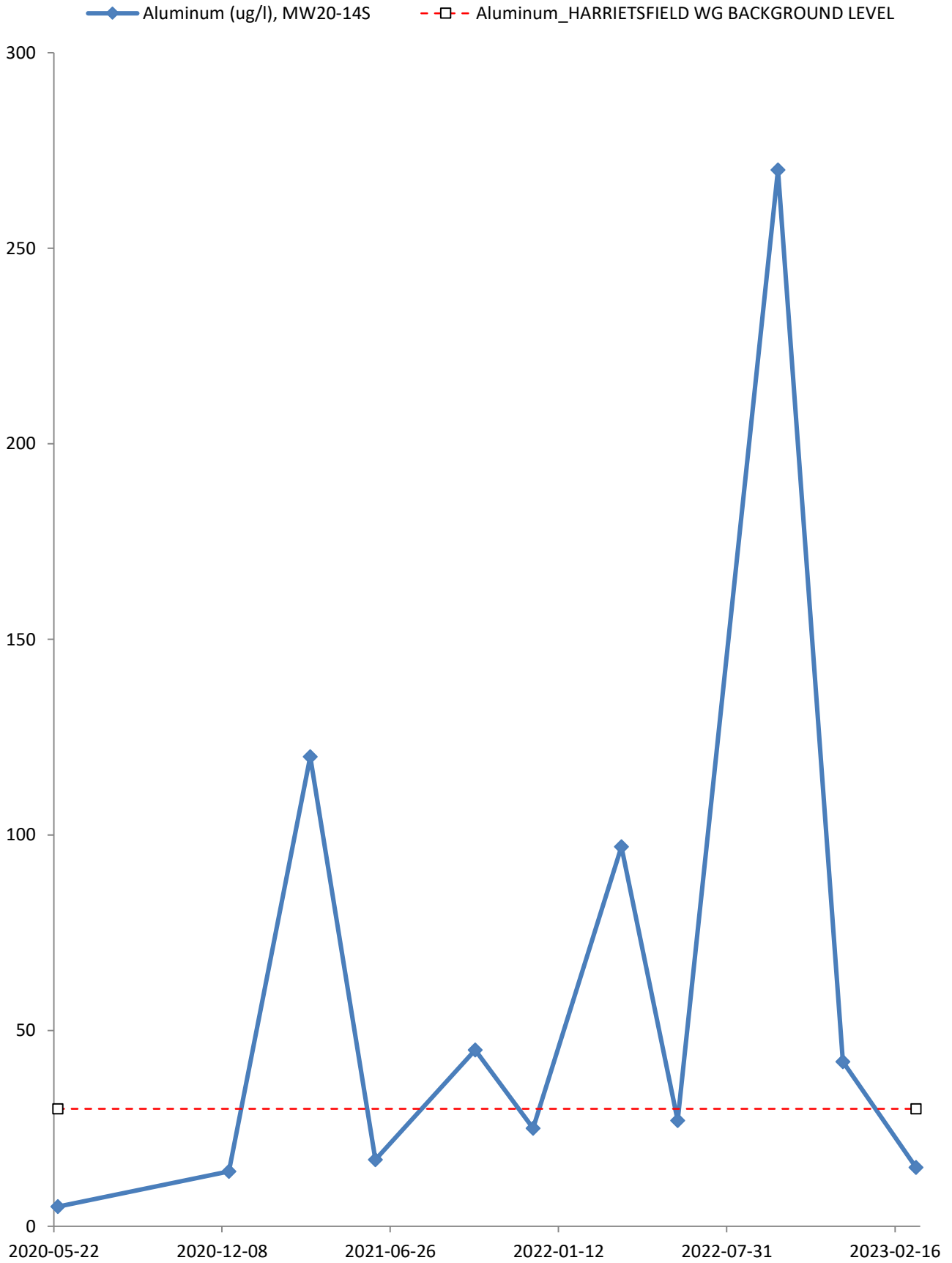
—◆— Alkalinity, Bicarbonate (mg/l), MW20-14S
- -□- Alkalinity, Bicarbonate_HARRIETSFIELD WG BACKGROUND LEVEL

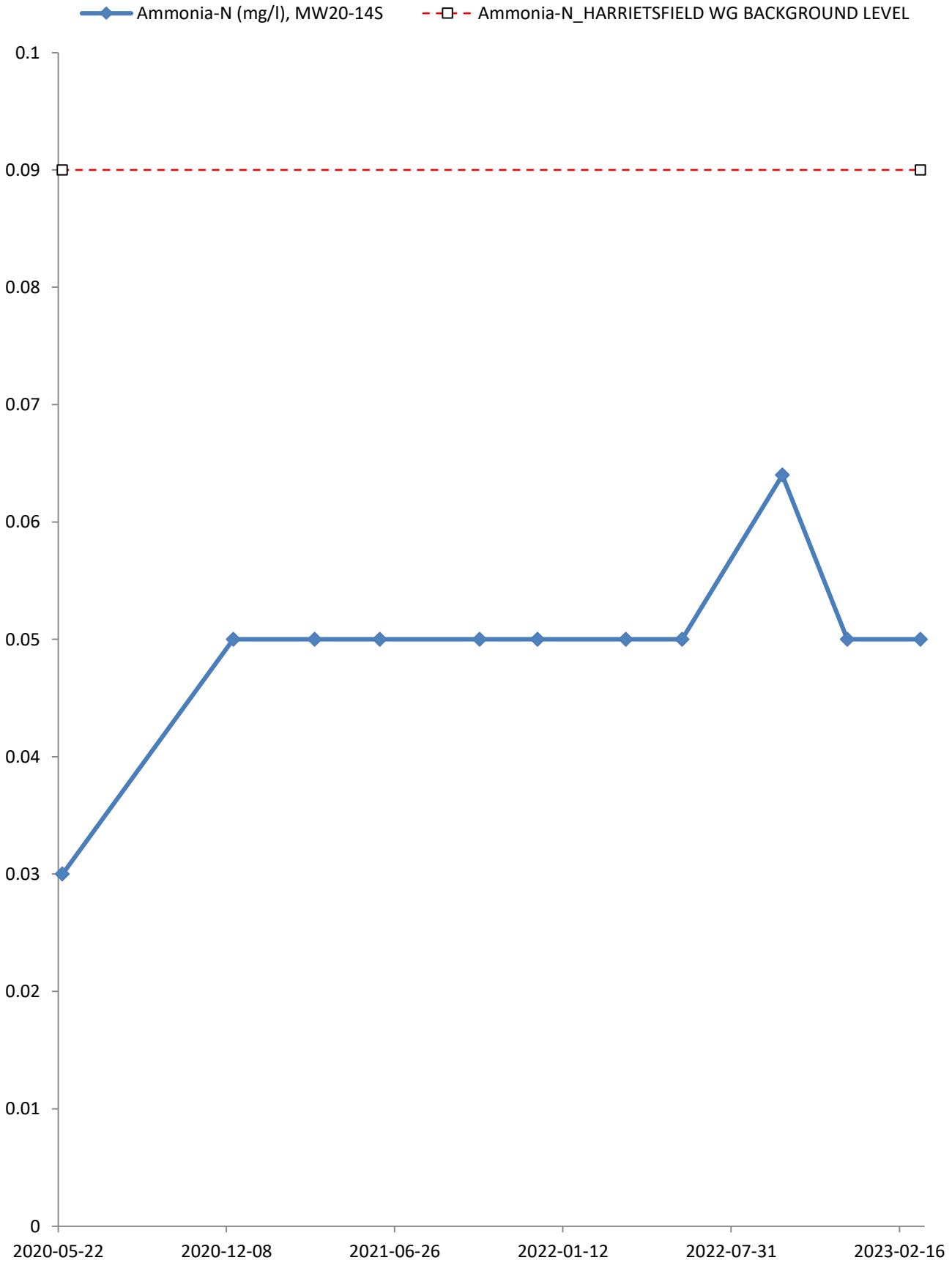


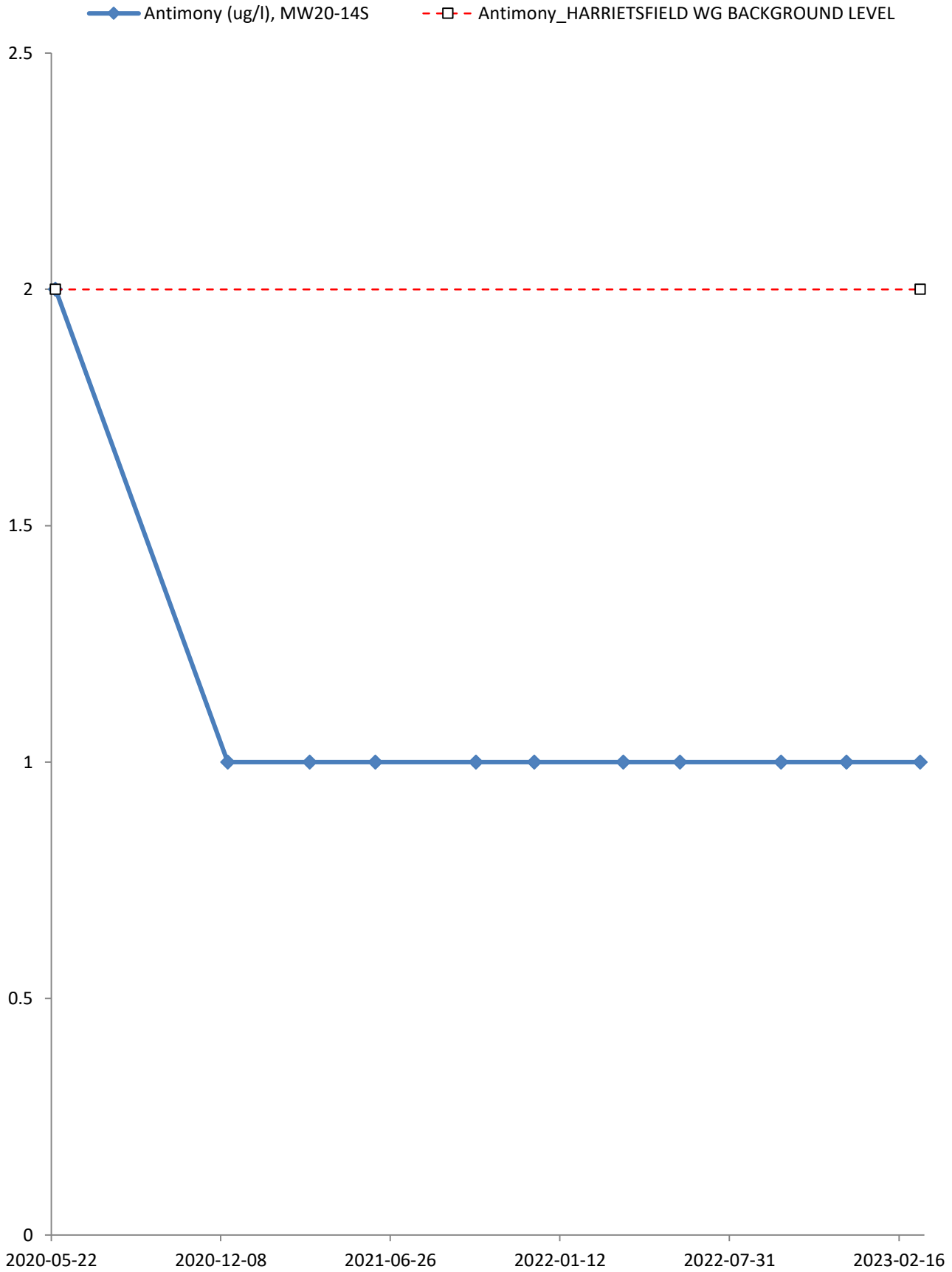
—◆— Alkalinity, Carbonate (mg/l), MW20-14S
- -□- Alkalinity, Carbonate_HARRIETSFIELD WG BACKGROUND LEVEL

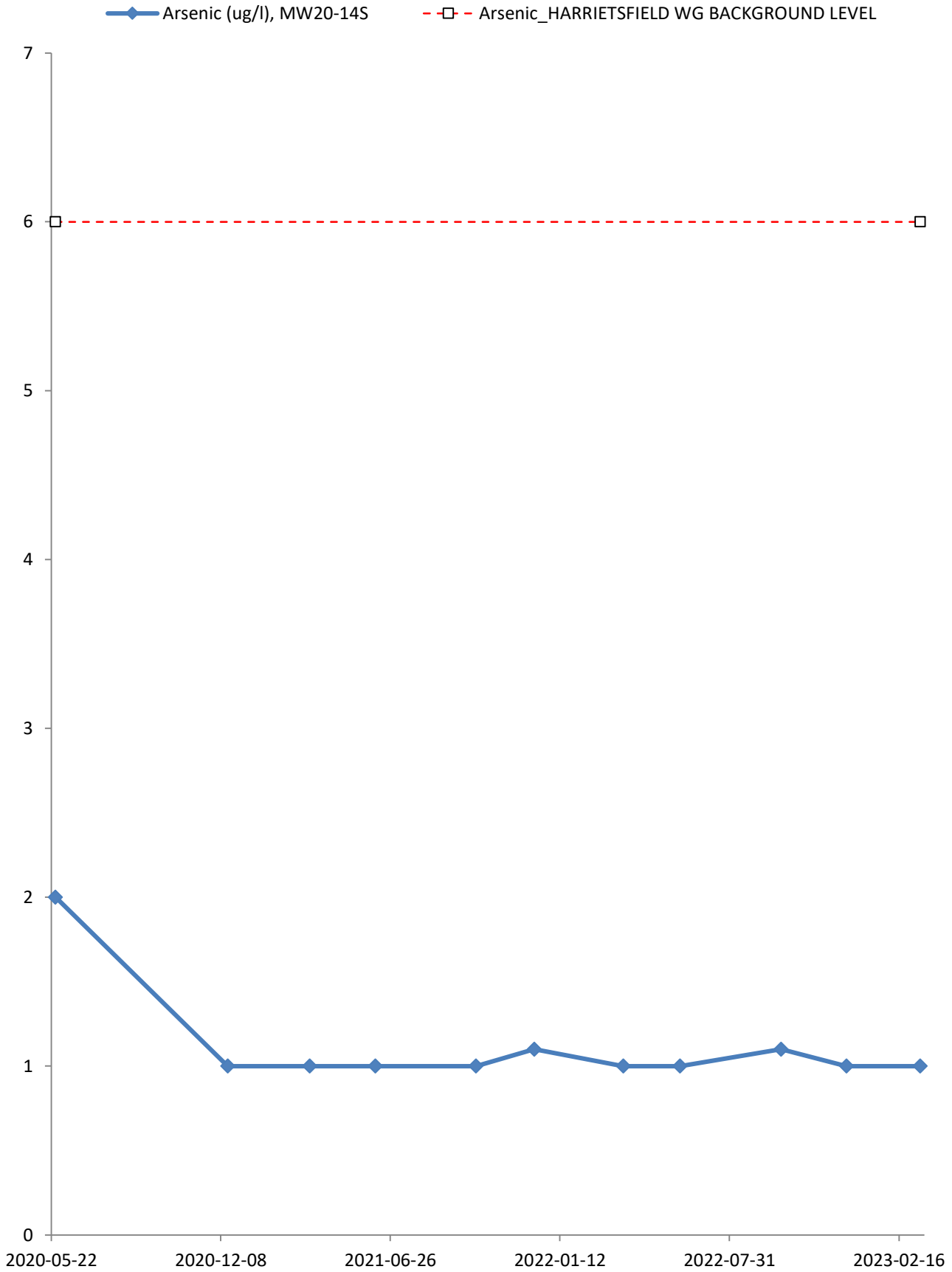


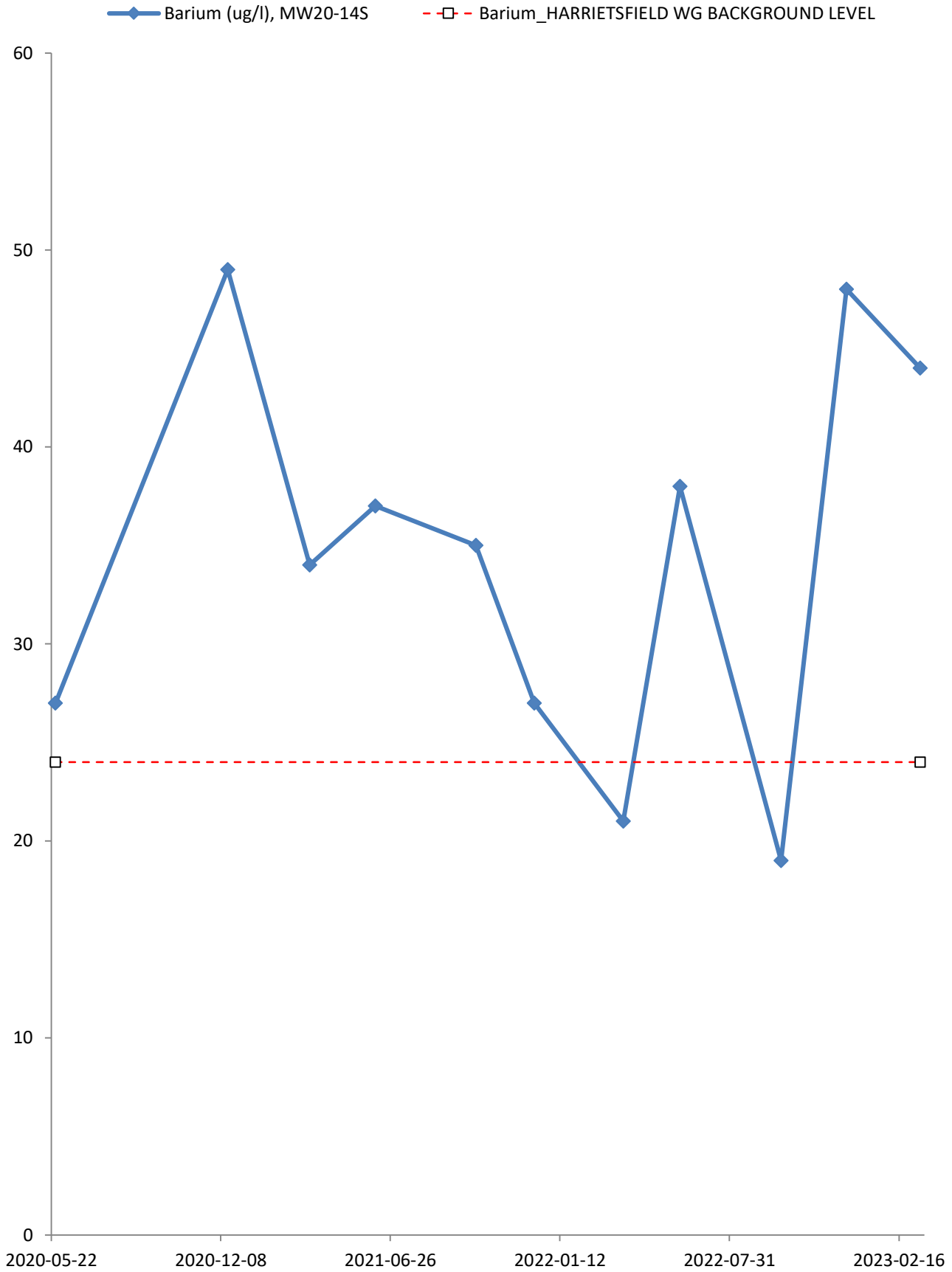


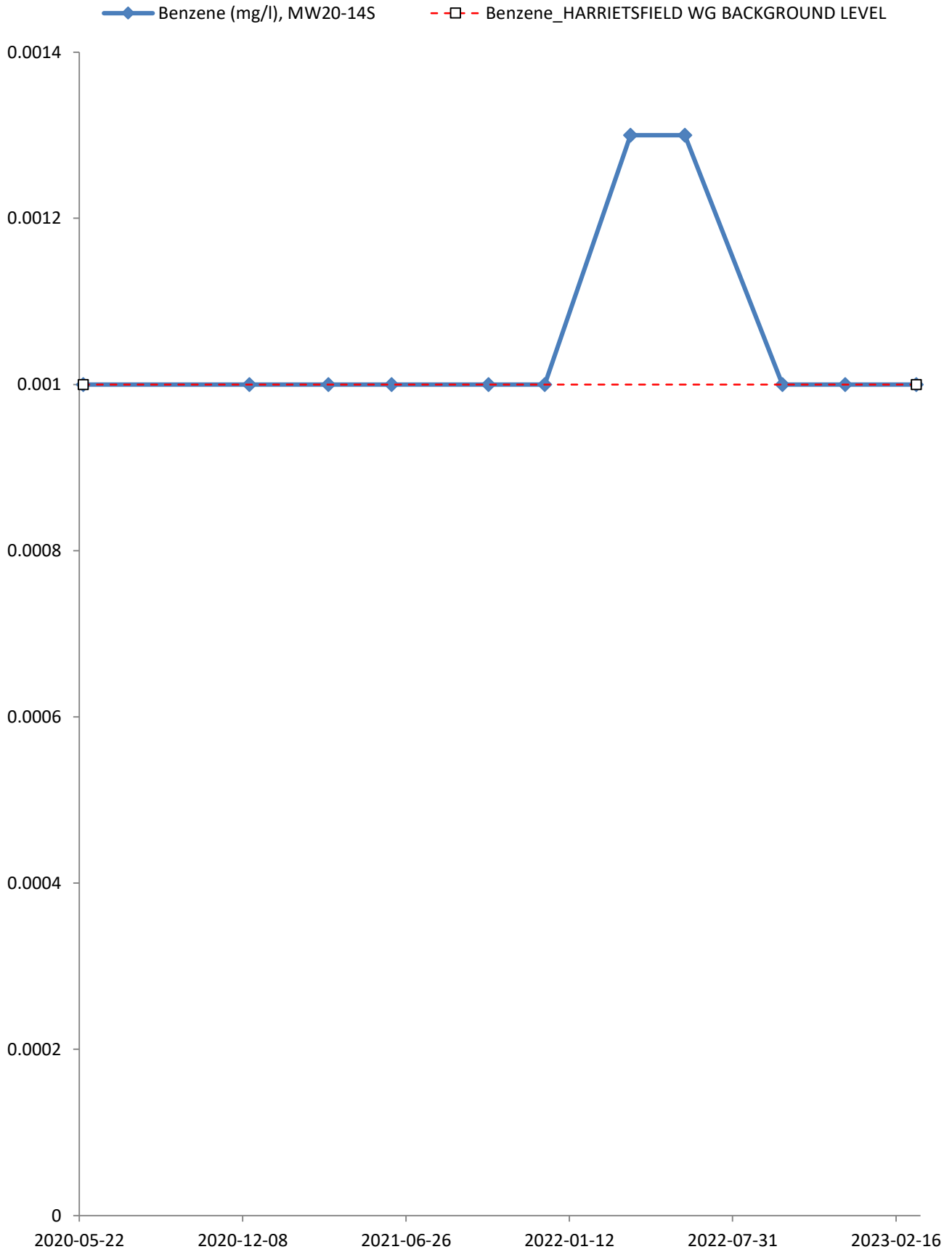


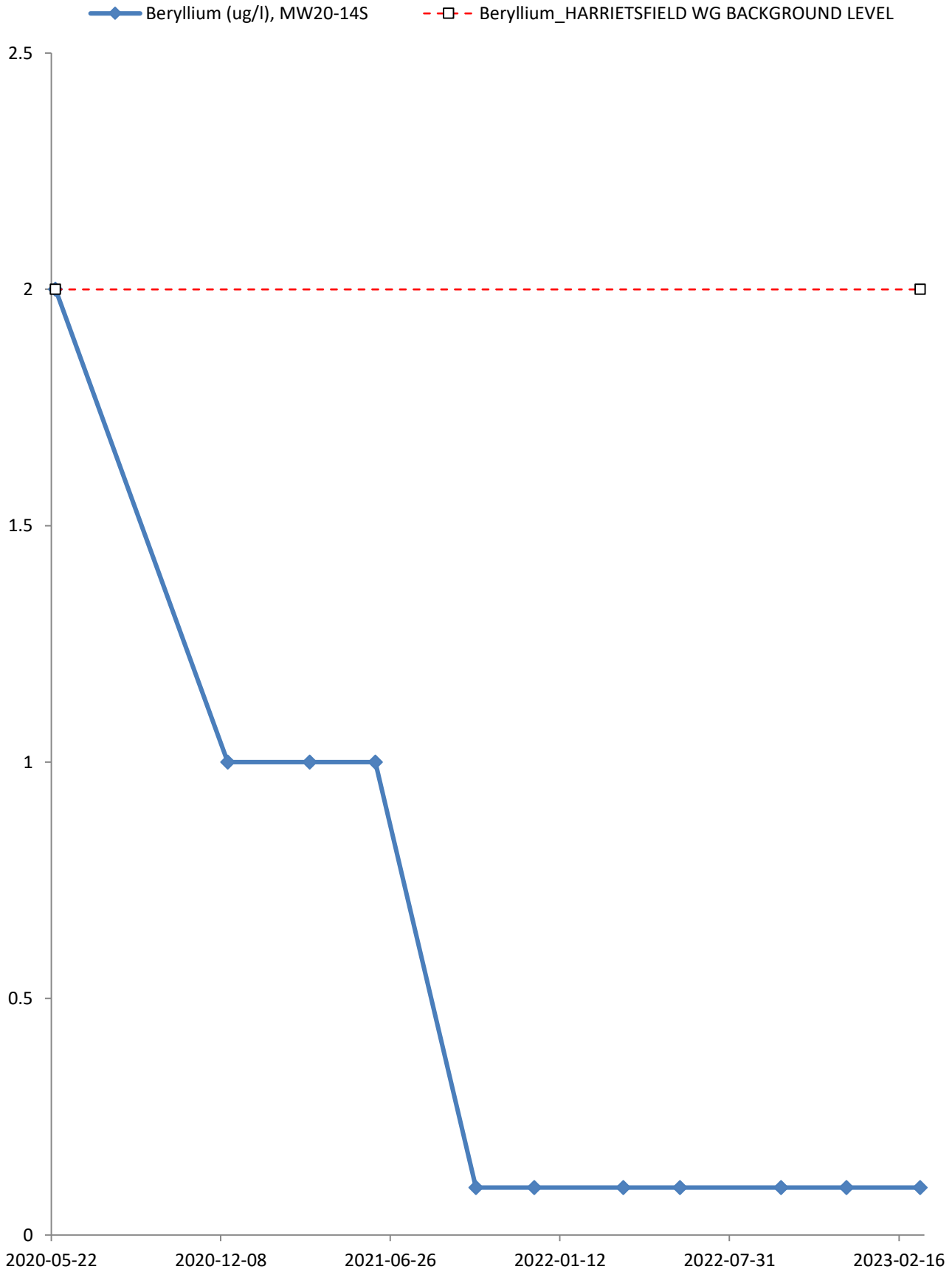


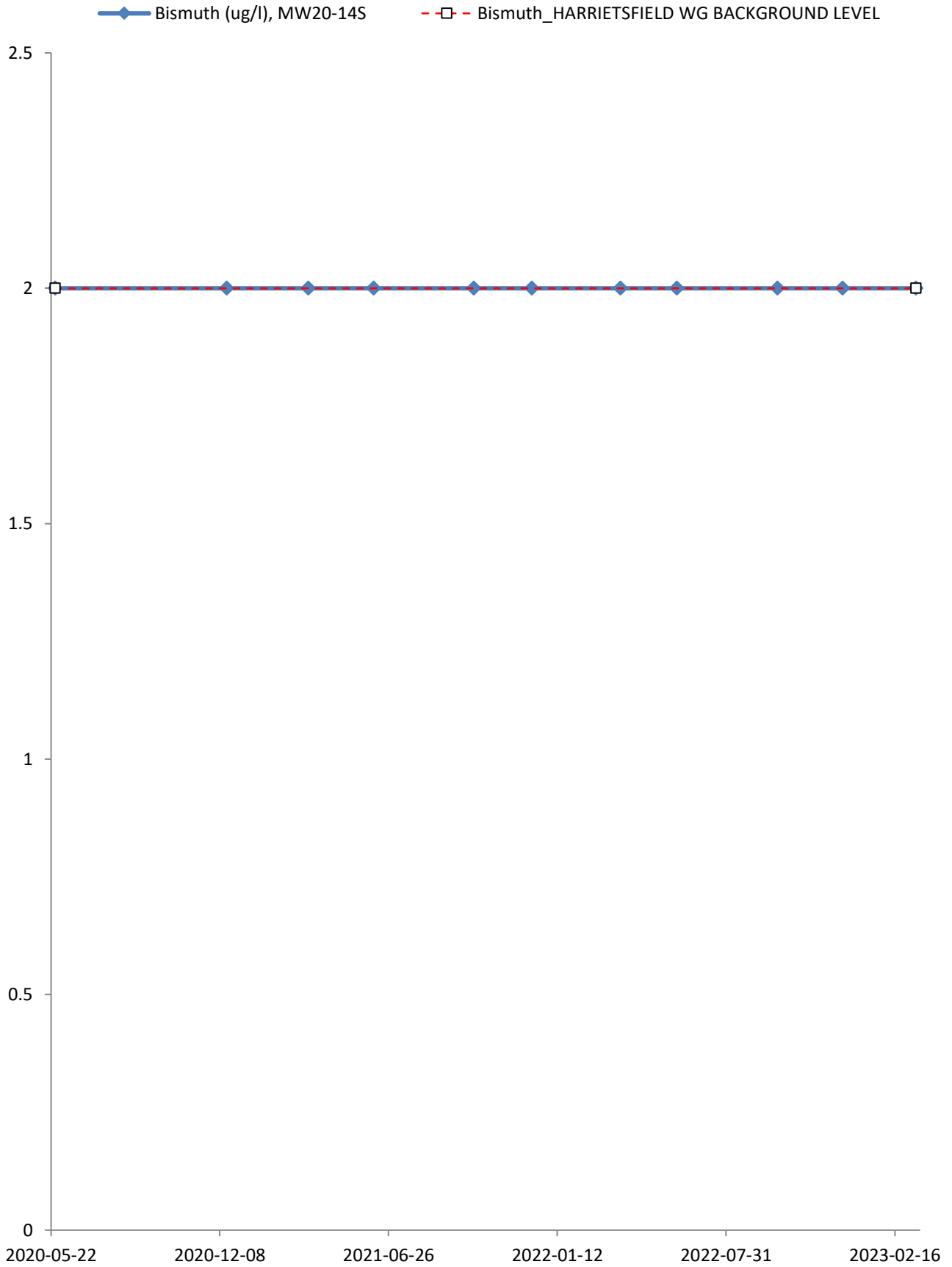


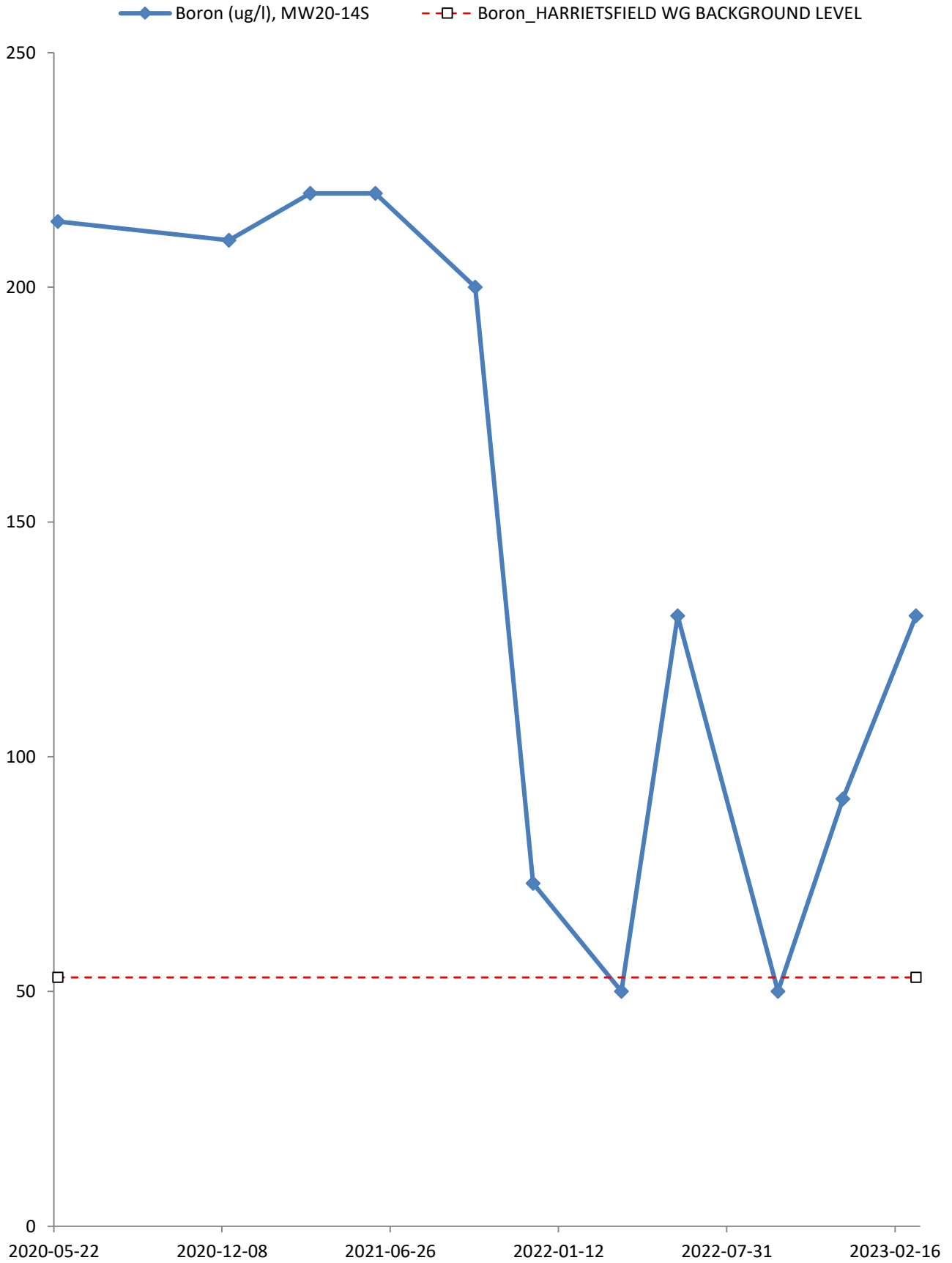


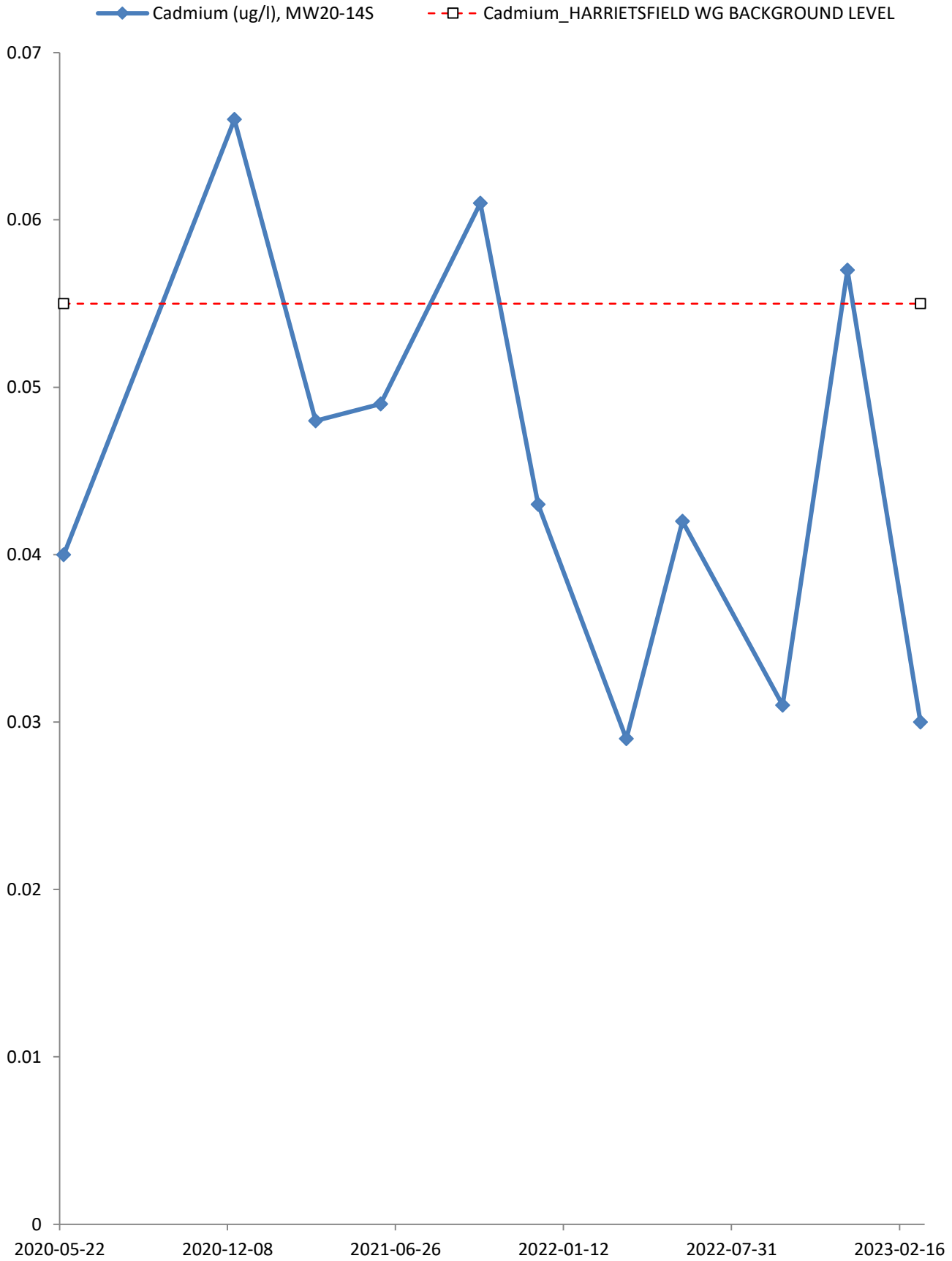


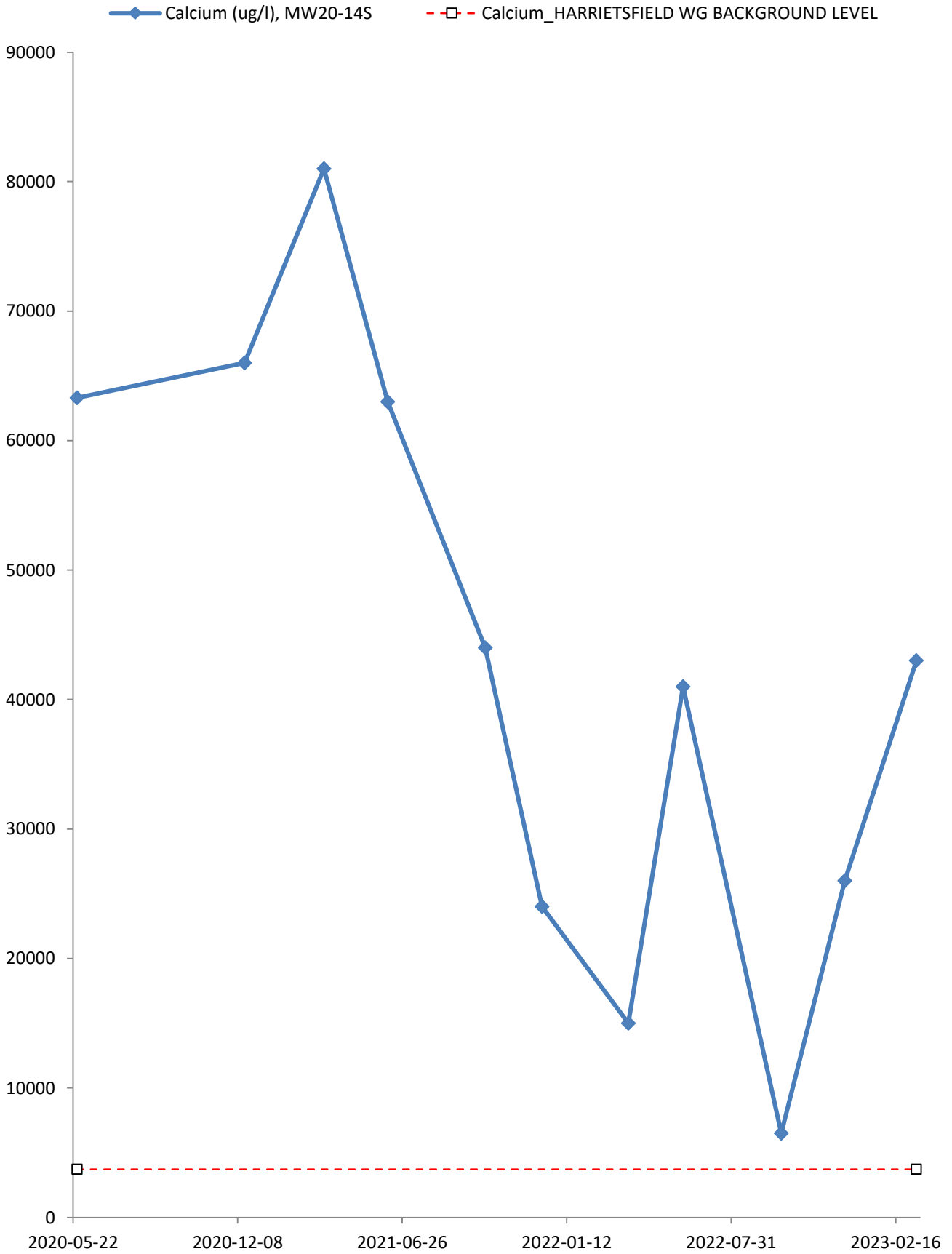




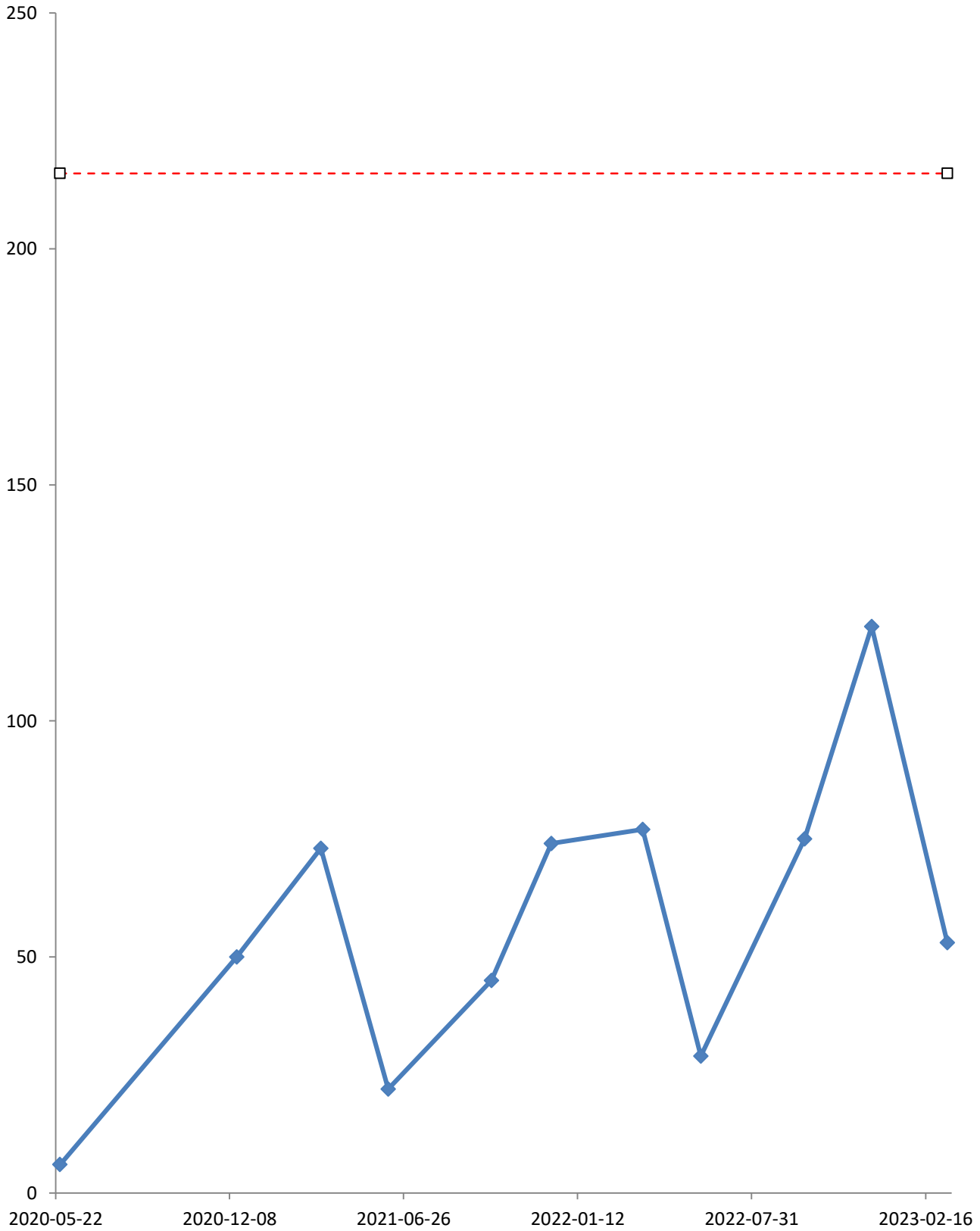


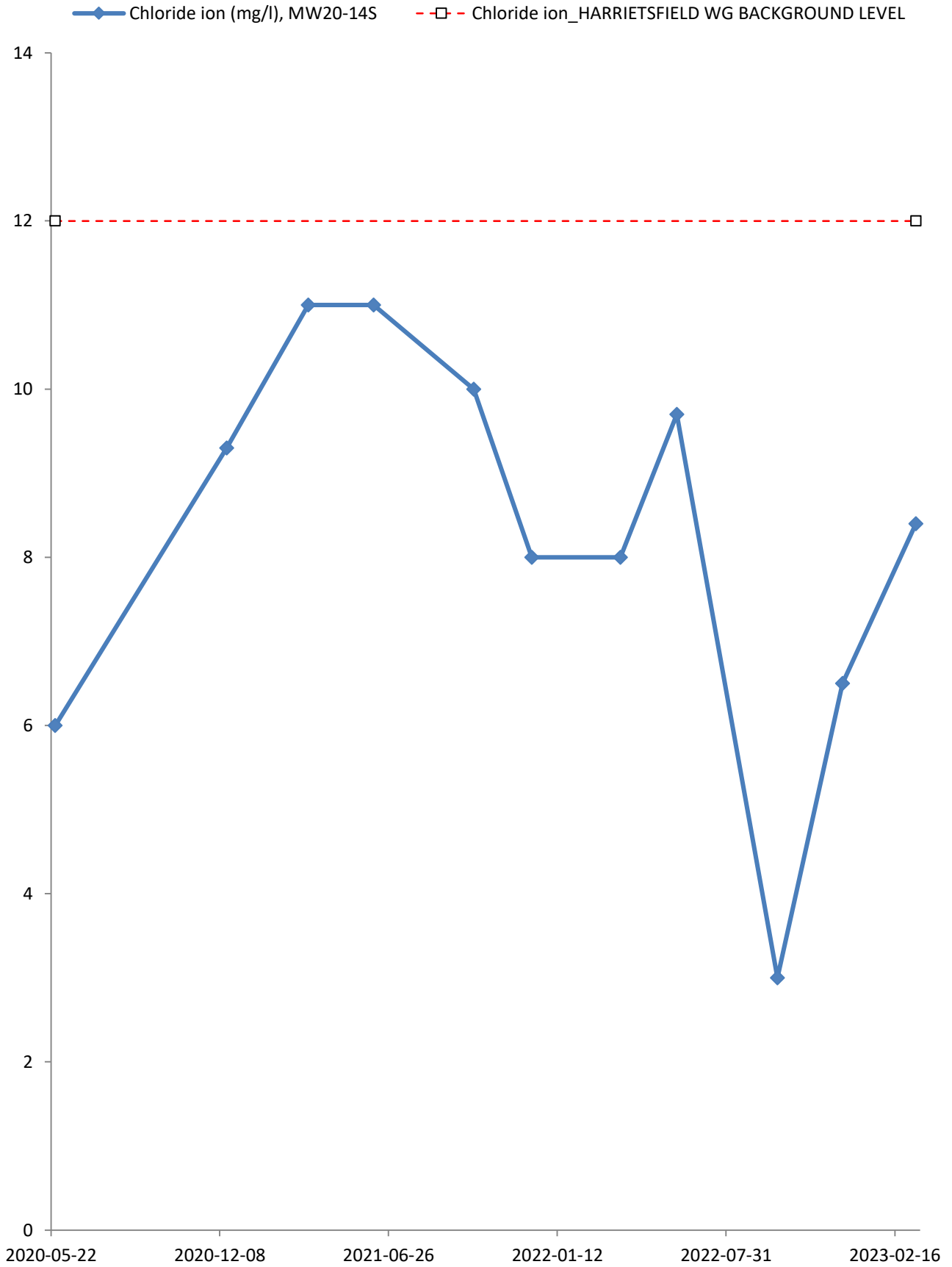


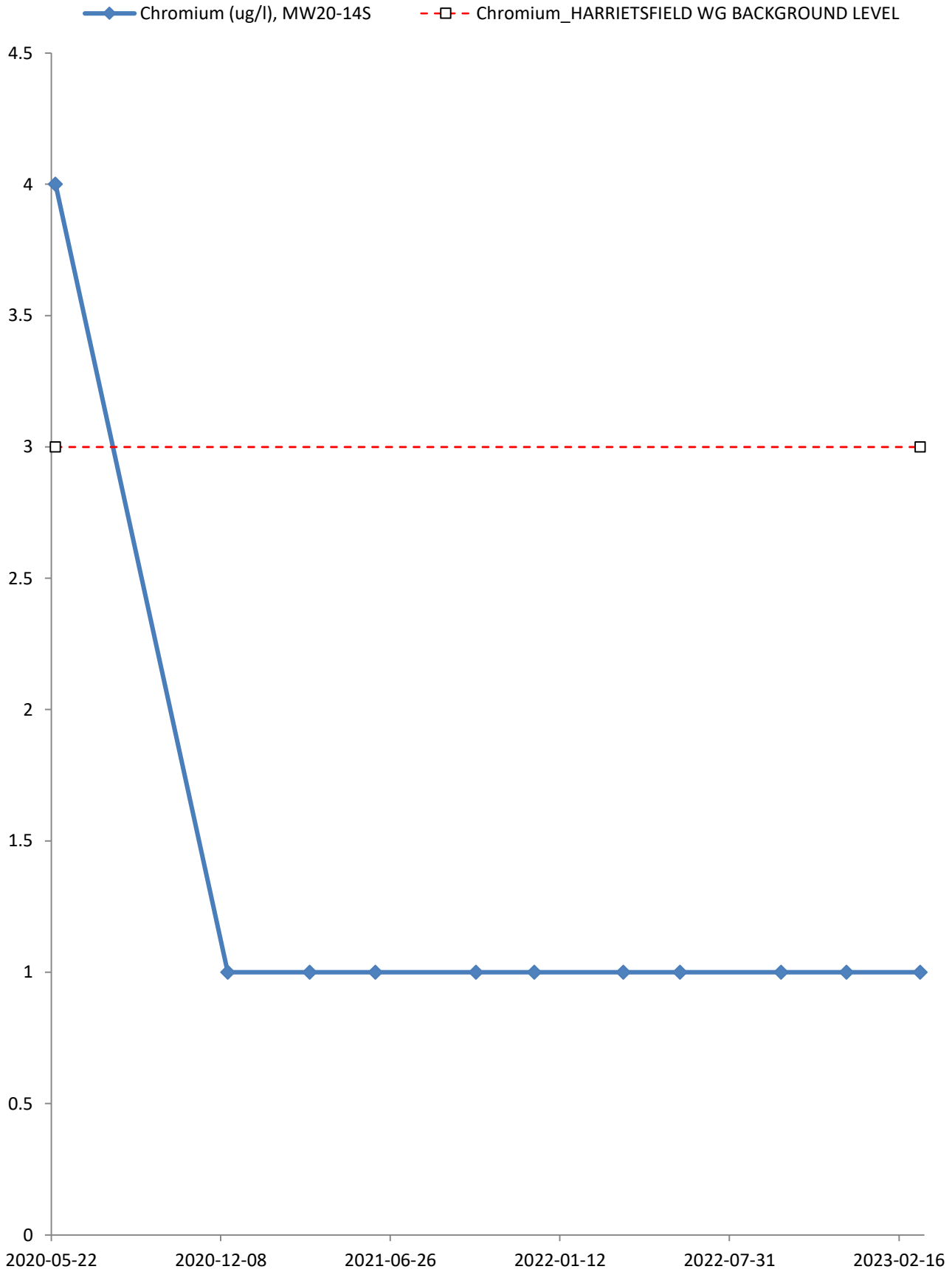


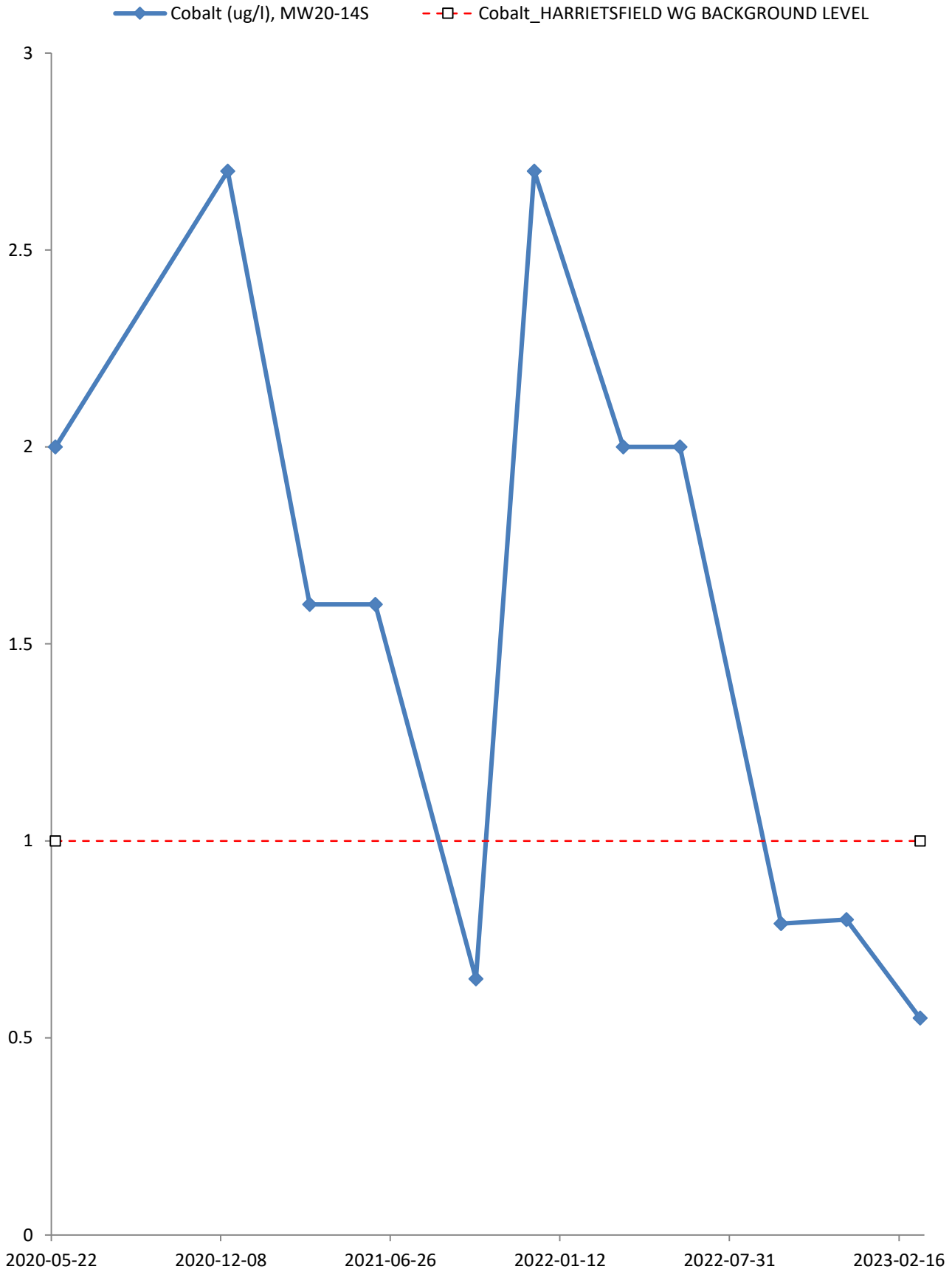


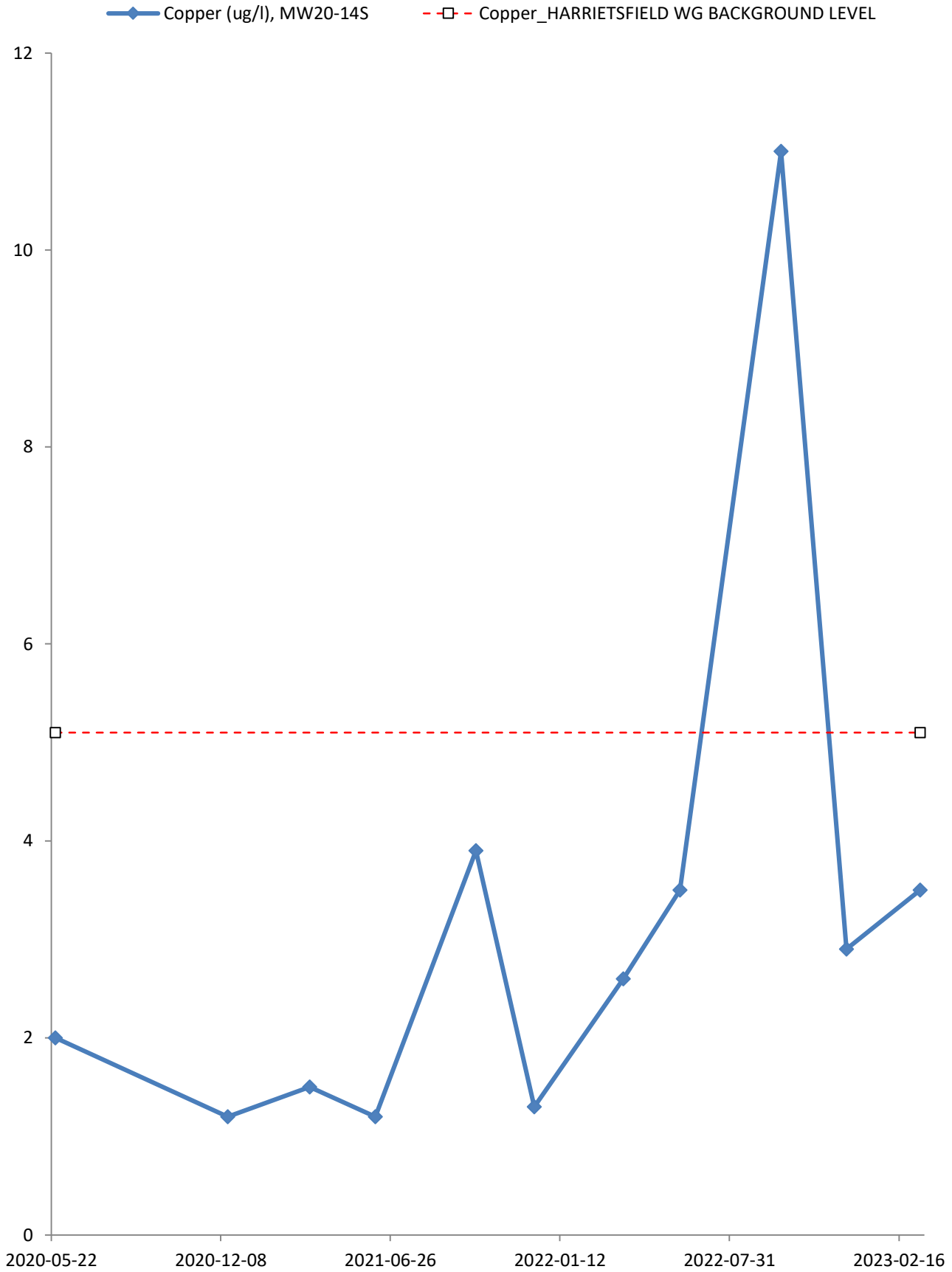
—◆— Chemical Oxygen Demand (mg/l), MW20-14S
- - □ - - Chemical Oxygen Demand_HARRIETSFIELD WG BACKGROUND LEVEL



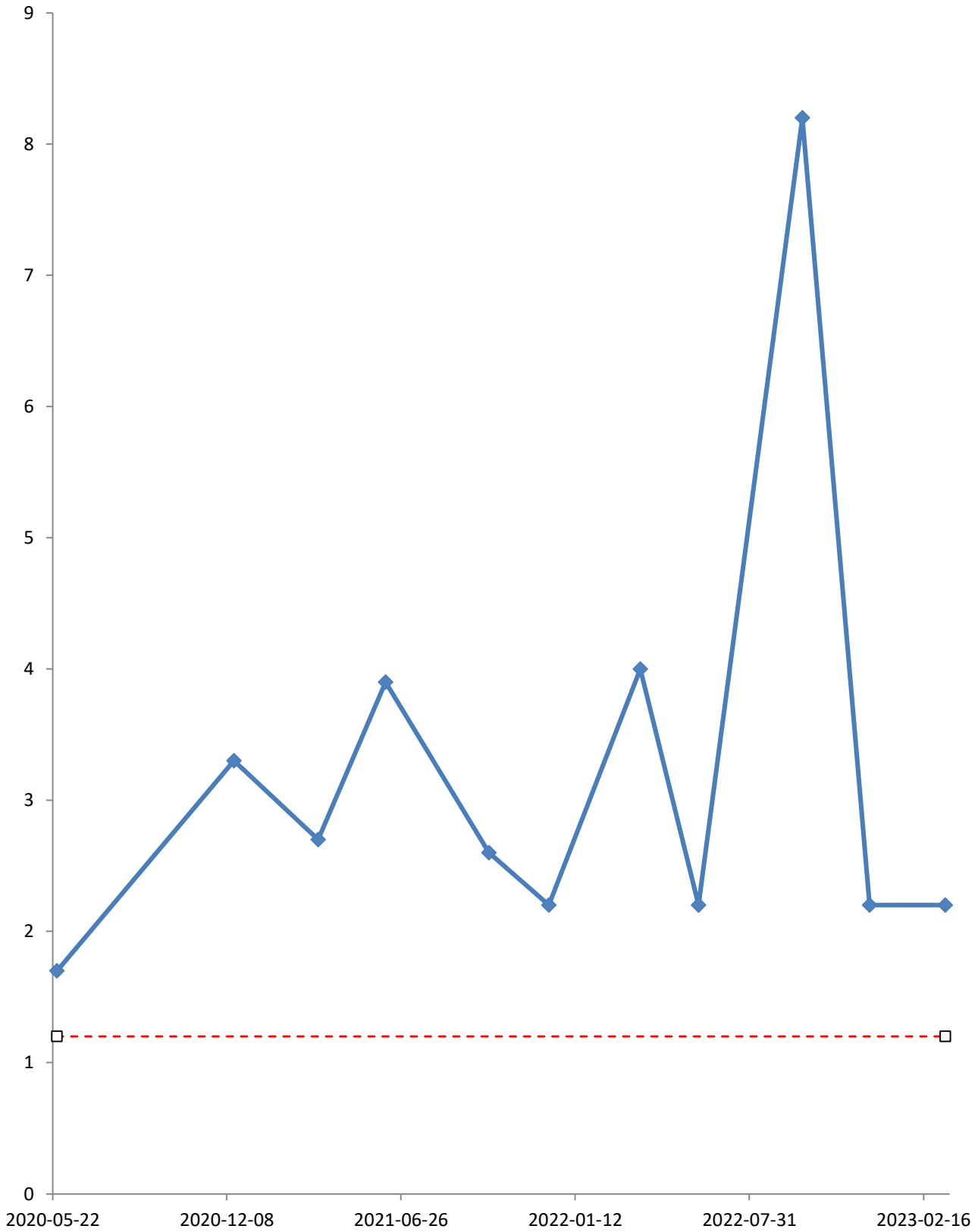




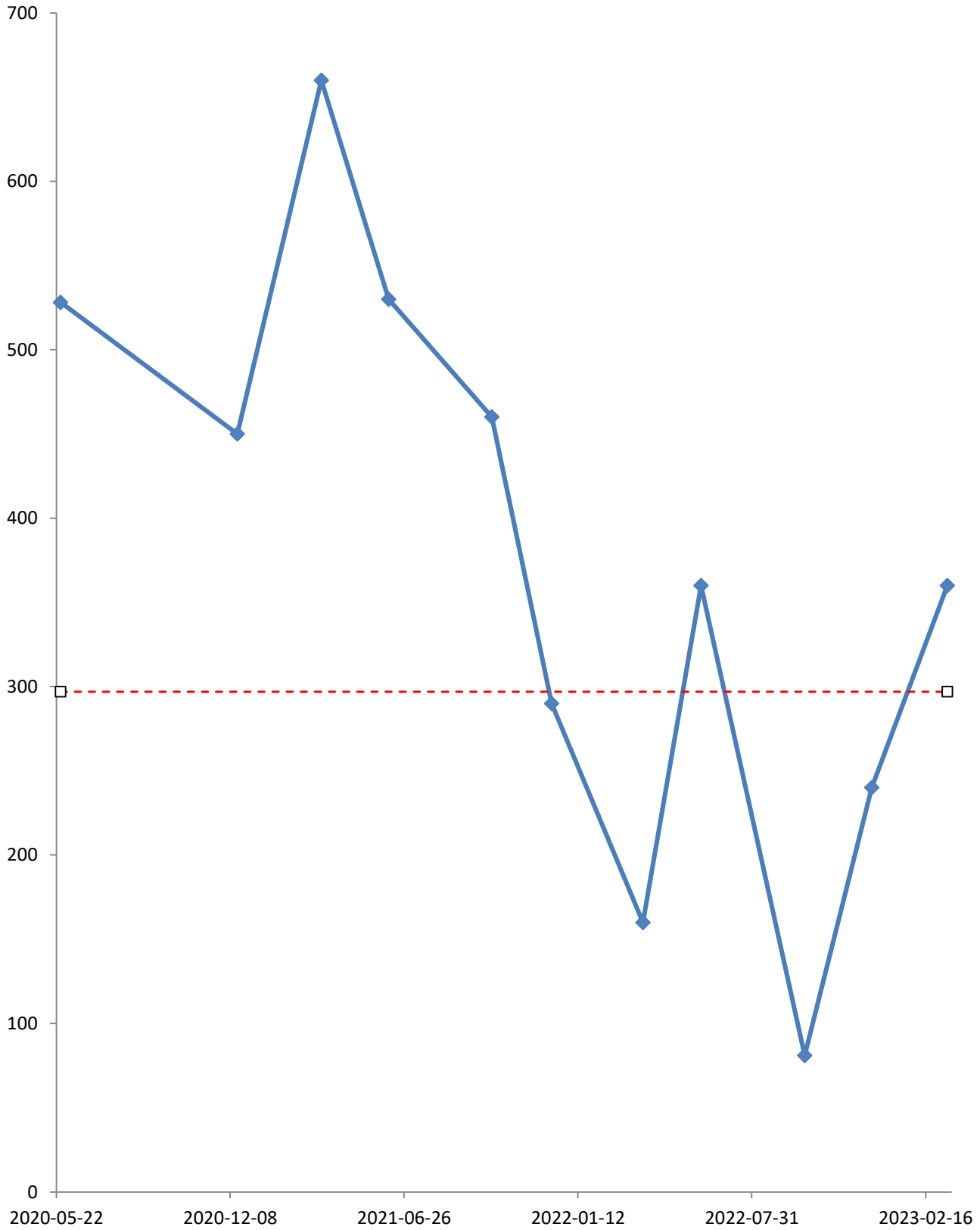


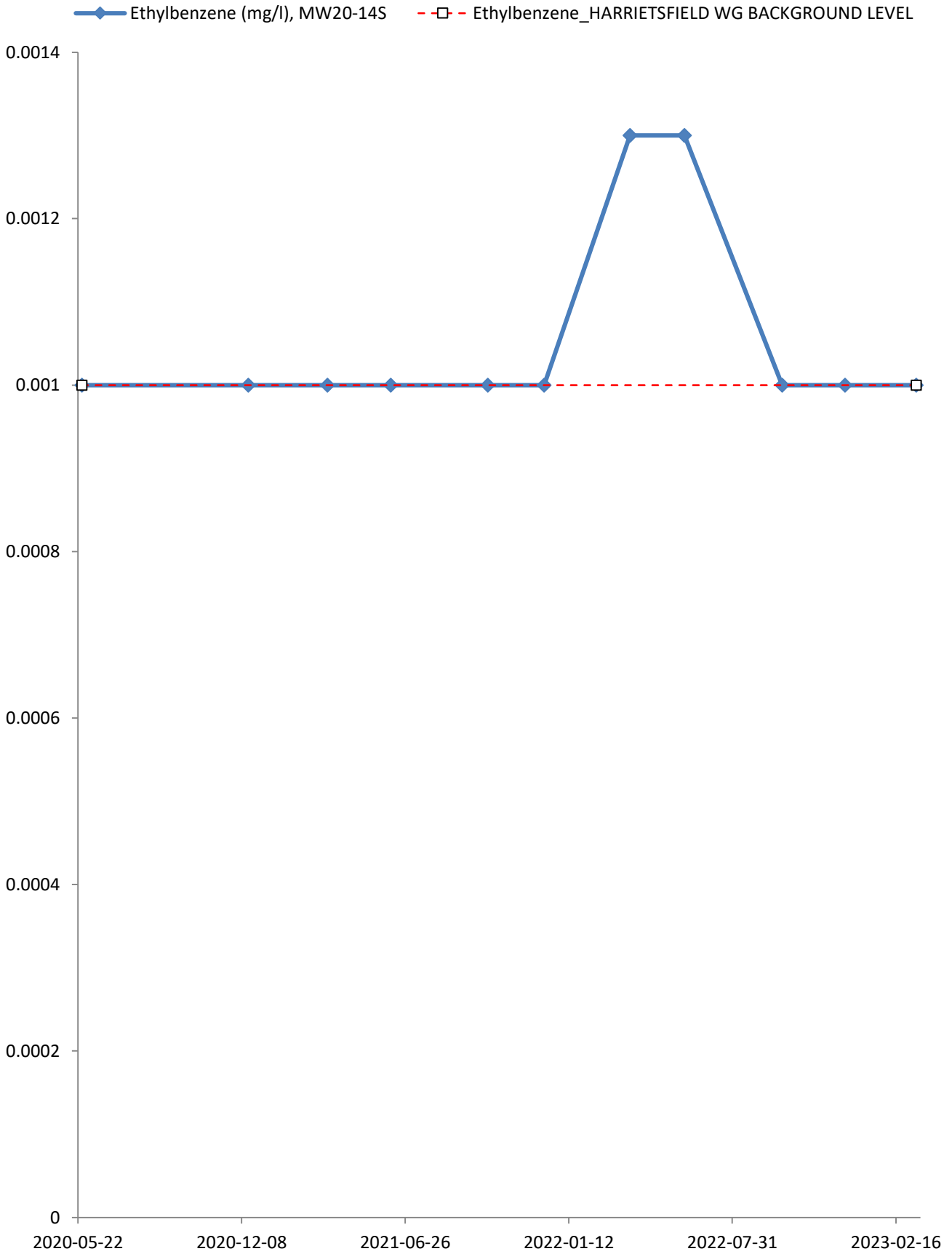


—◆— Dissolved Organic Carbon (DOC) (mg/l), MW20-14S
- -□- - Dissolved Organic Carbon (DOC)_HARRIETSFIELD WG BACKGROUND LEVEL

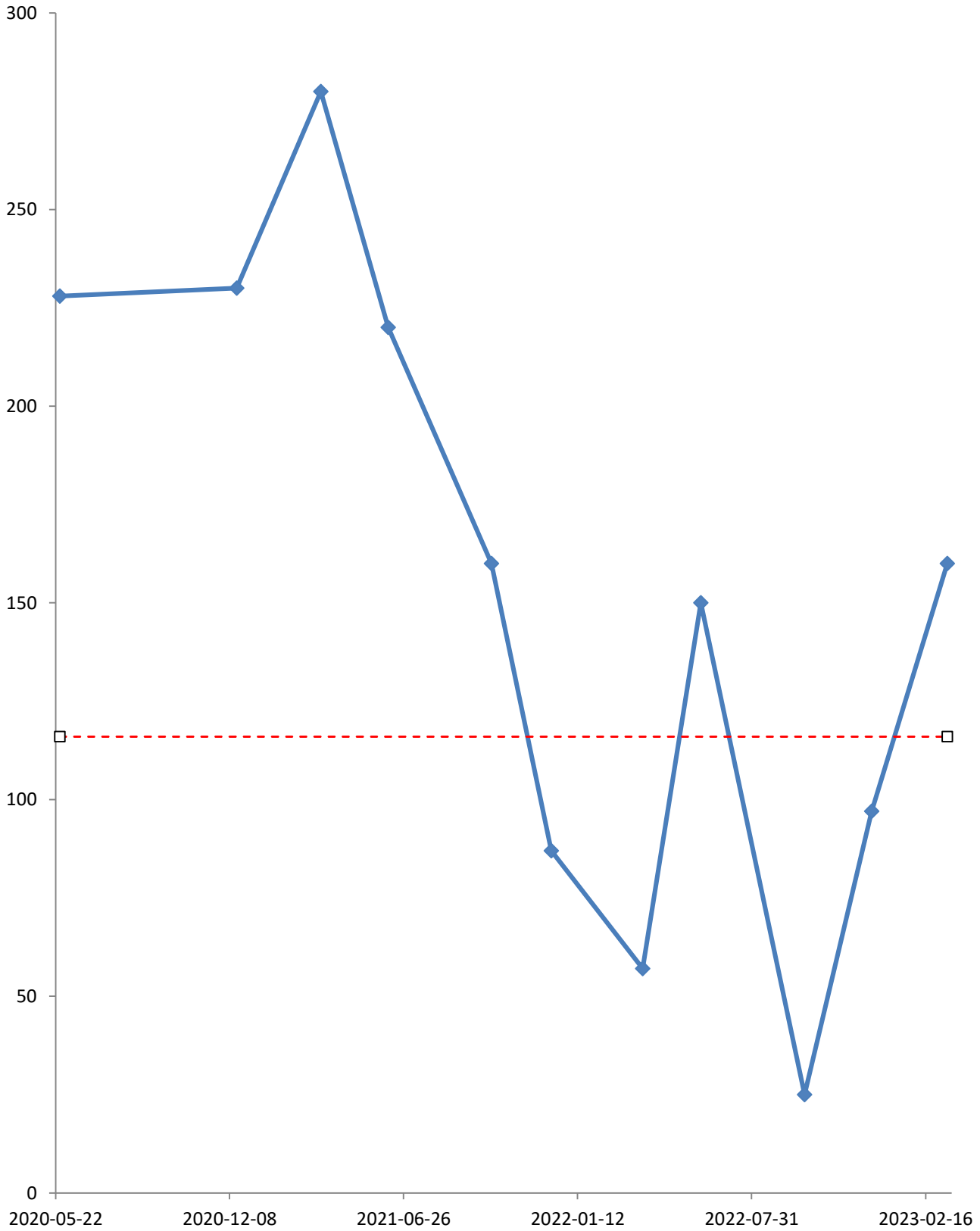


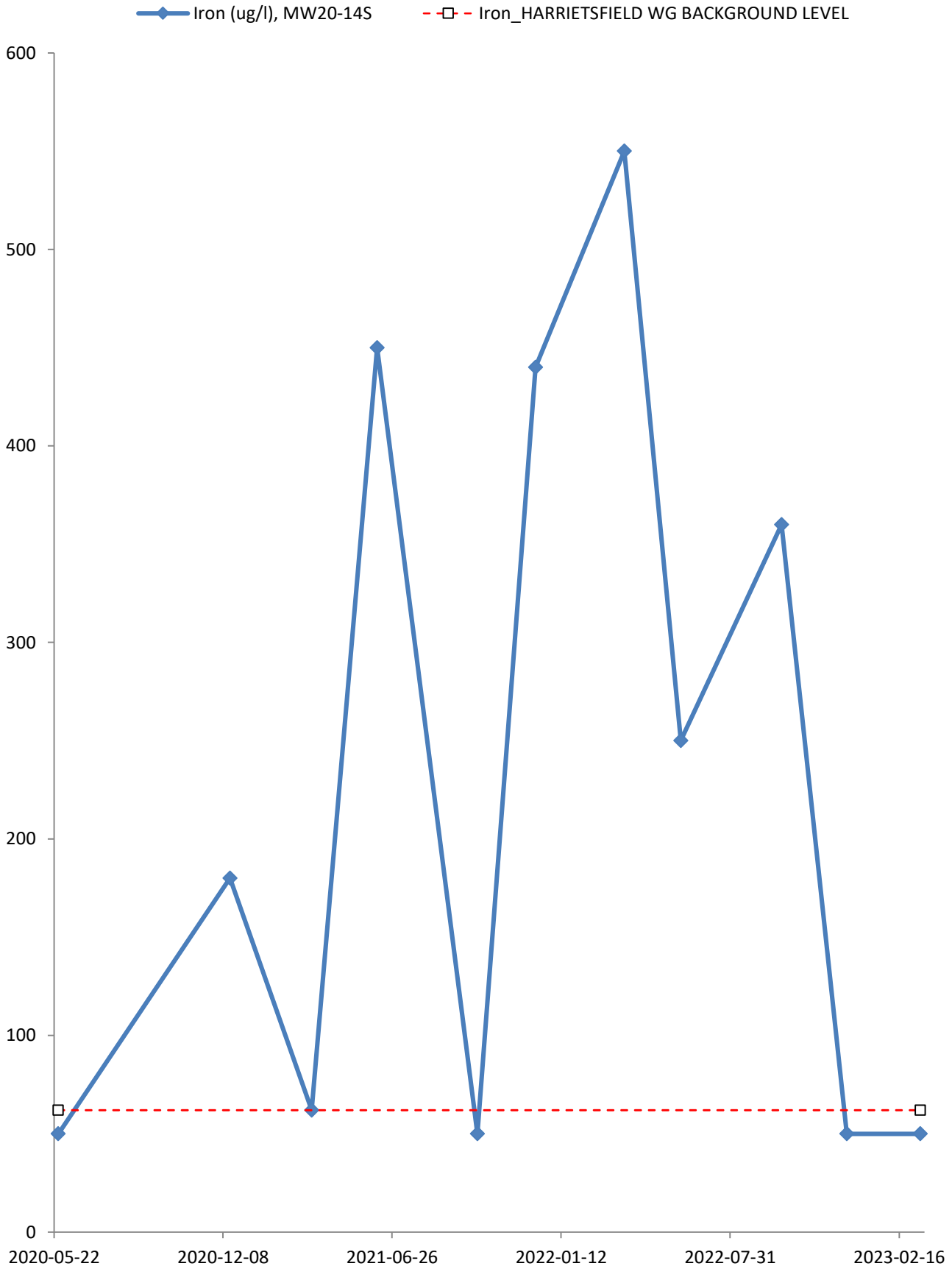
—◆— Electrical Conductivity (umhos/cm), MW20-14S
- -□- - Electrical Conductivity_HARRIETSFIELD WG BACKGROUND LEVEL

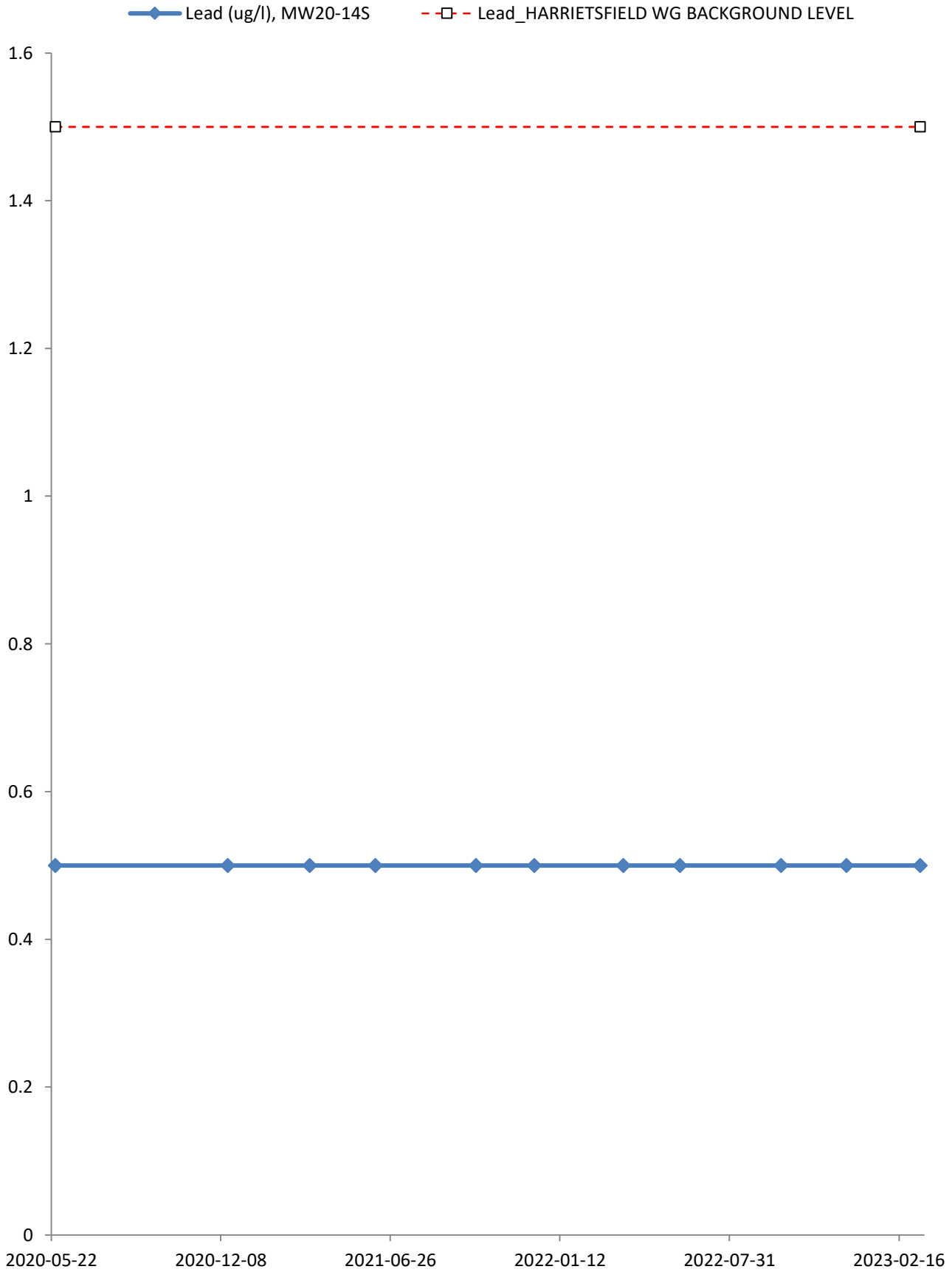


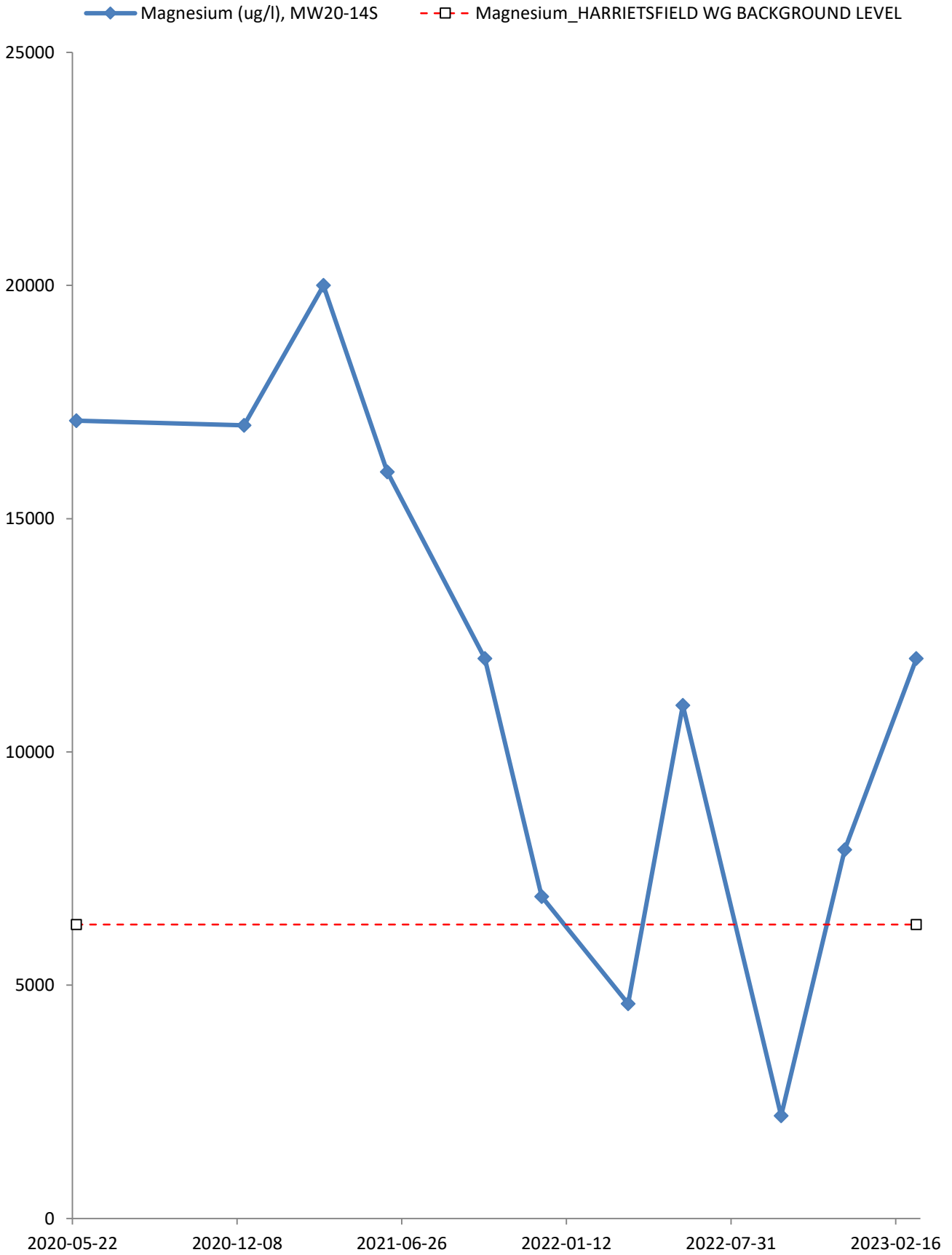


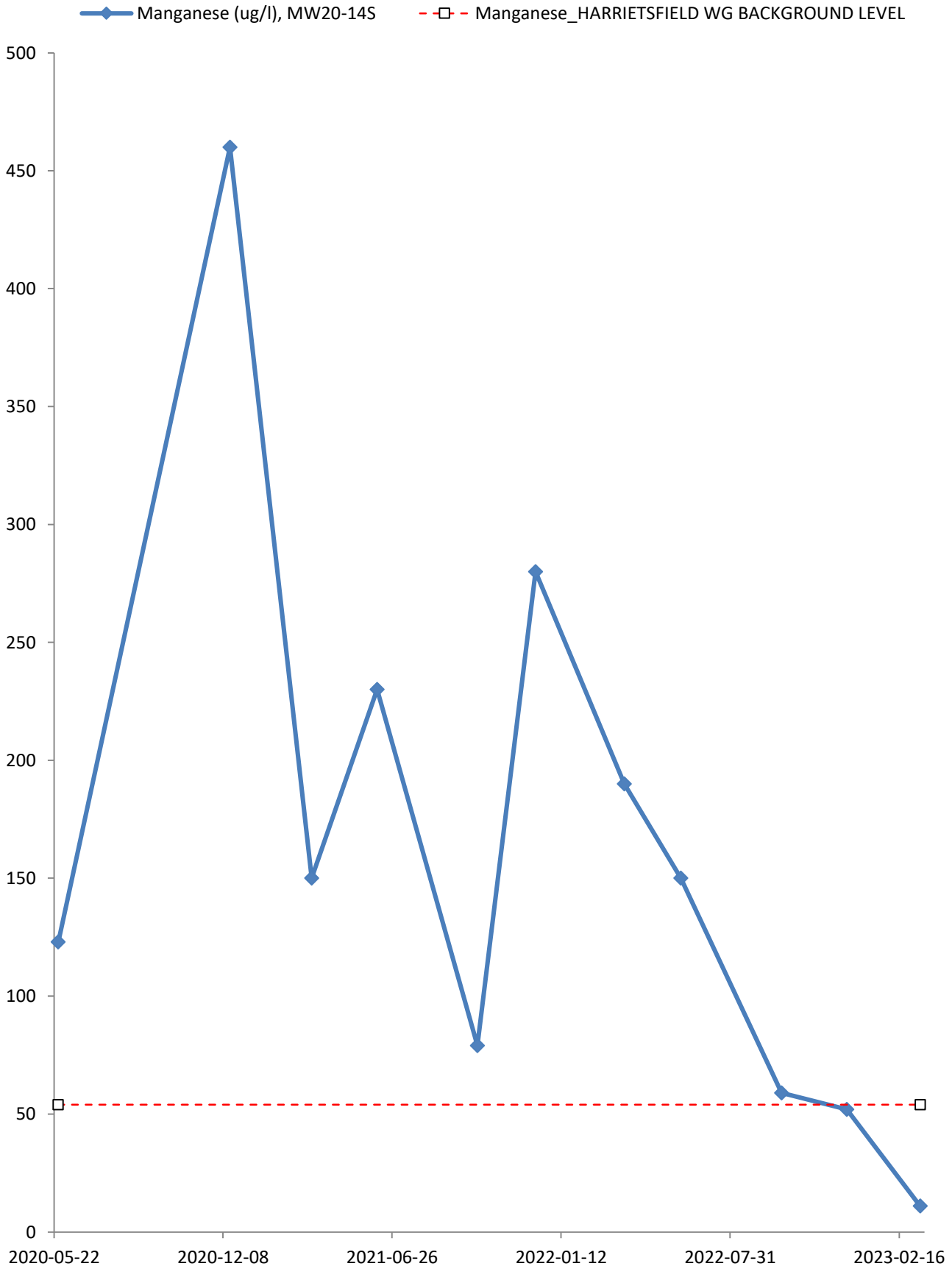
—◆— Hardness (as CaCO3) (mg/l), MW20-14S
- -□- - Hardness (as CaCO3)_HARRIETSFIELD WG BACKGROUND LEVEL





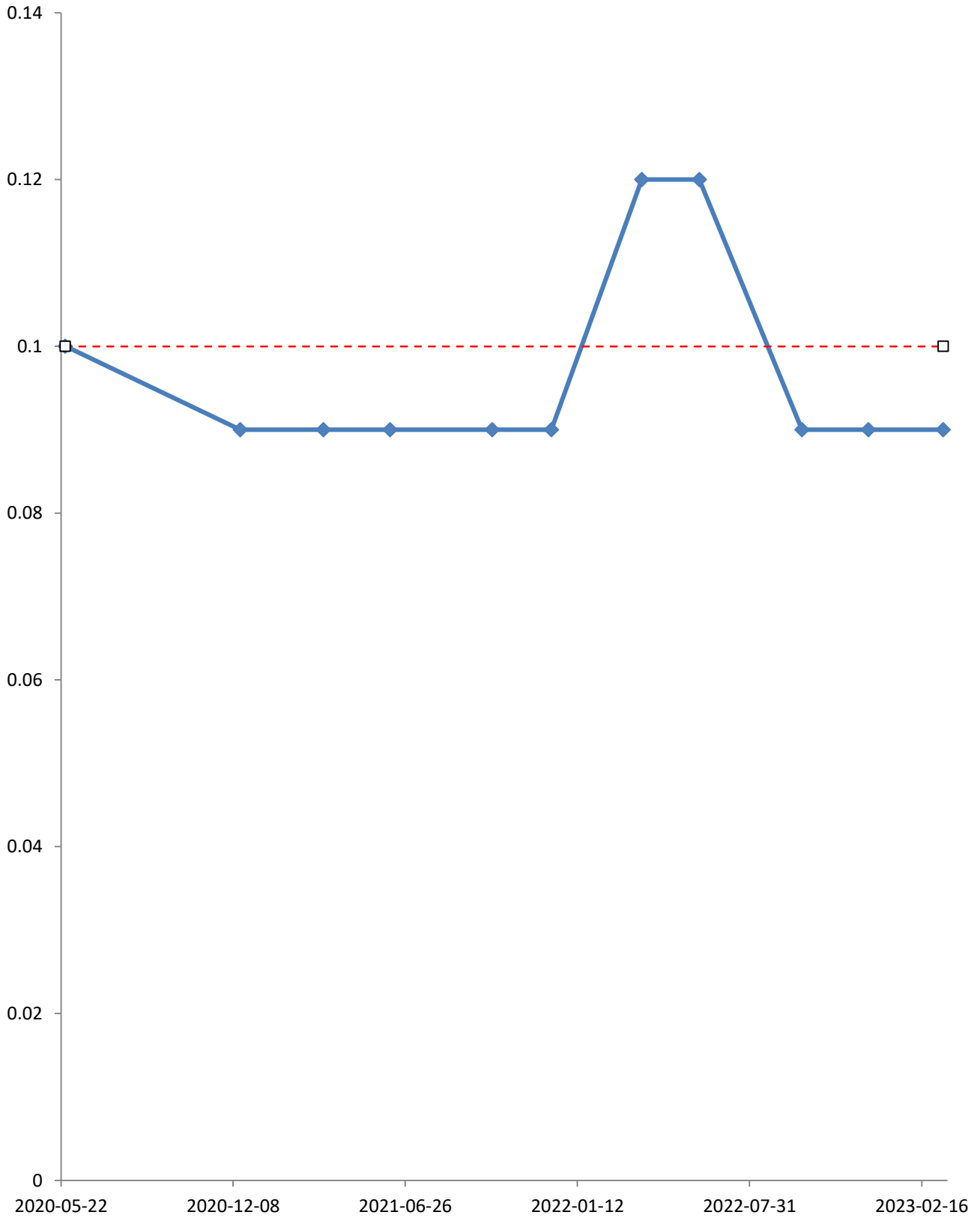


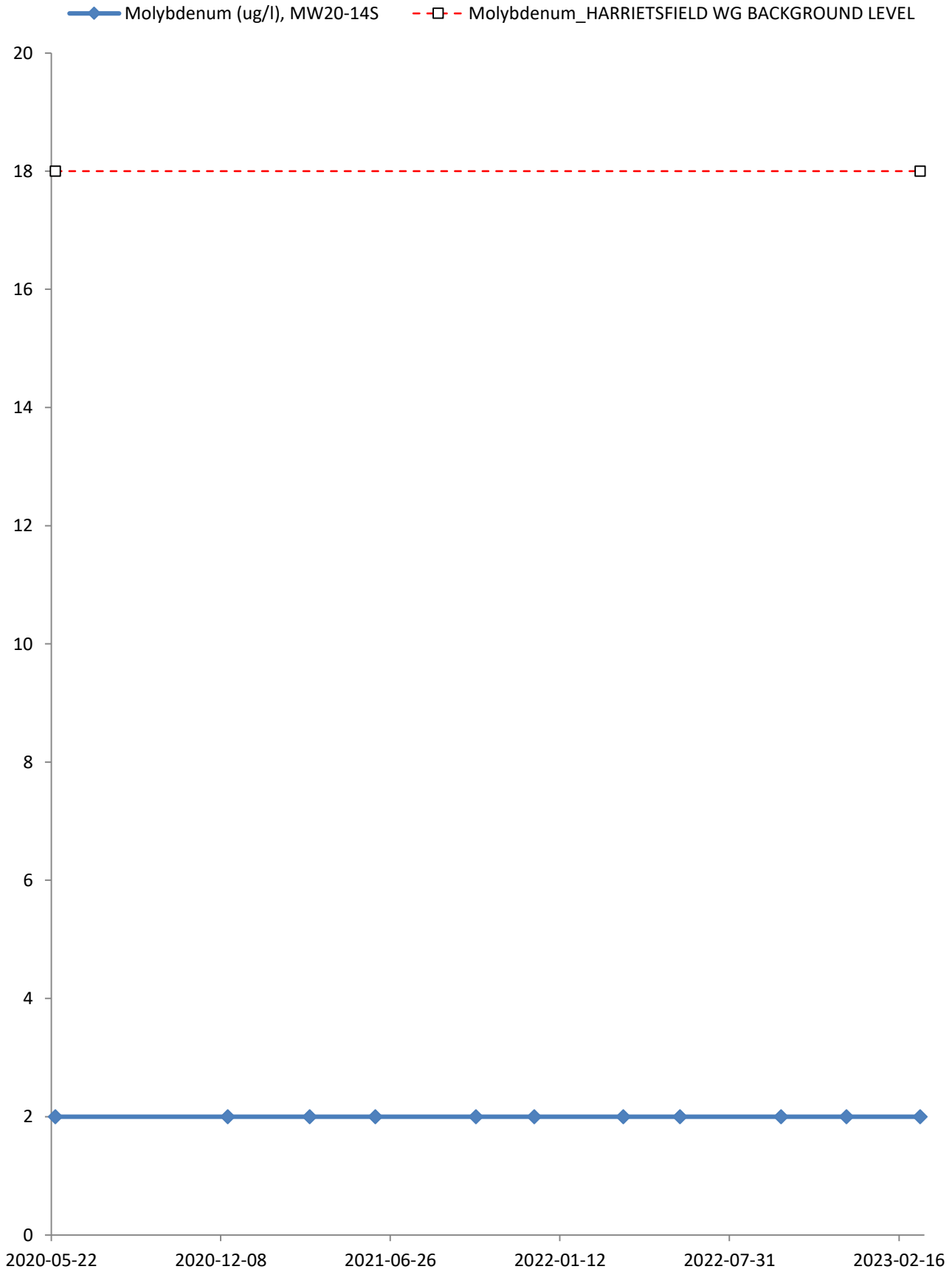


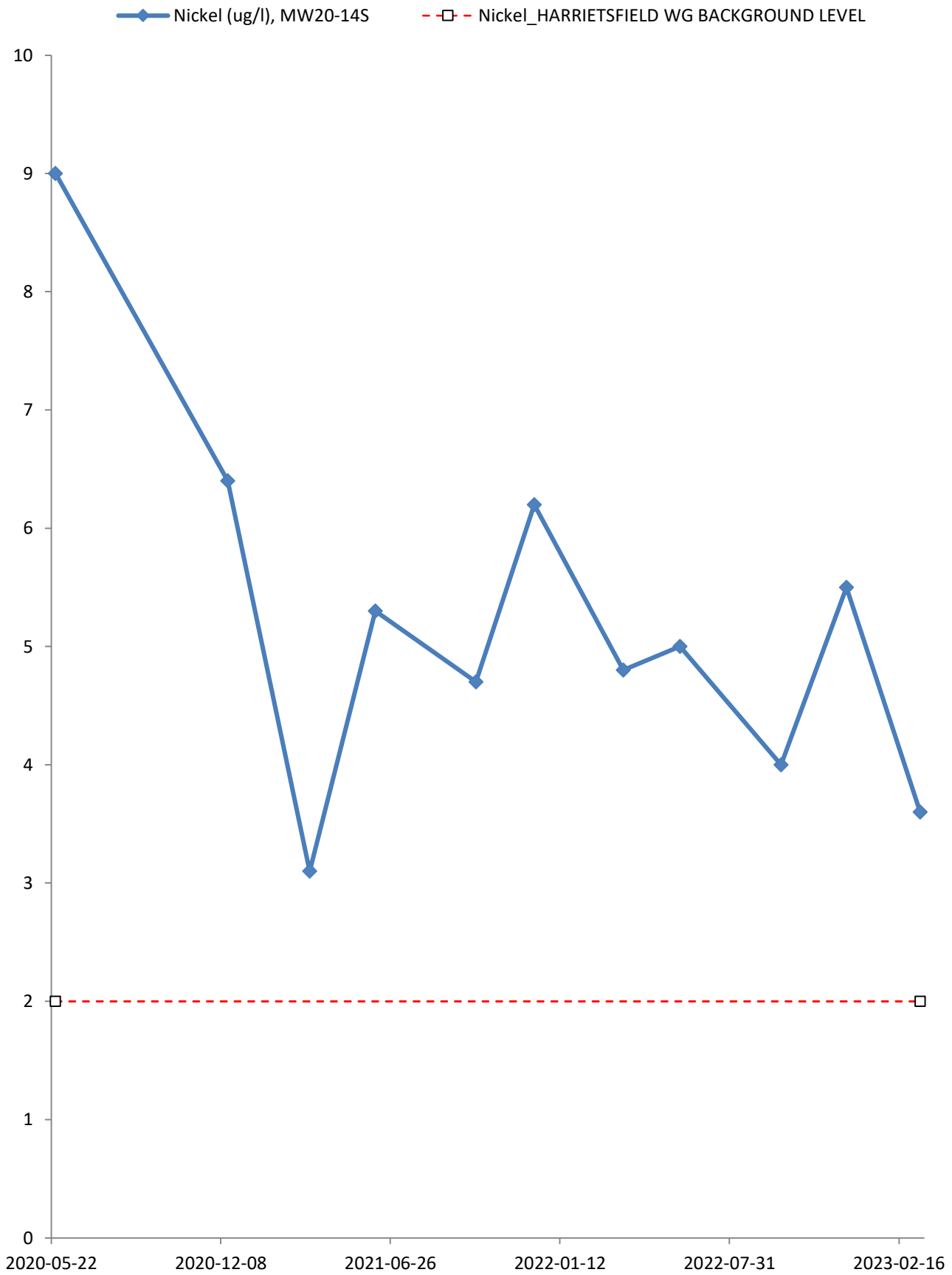


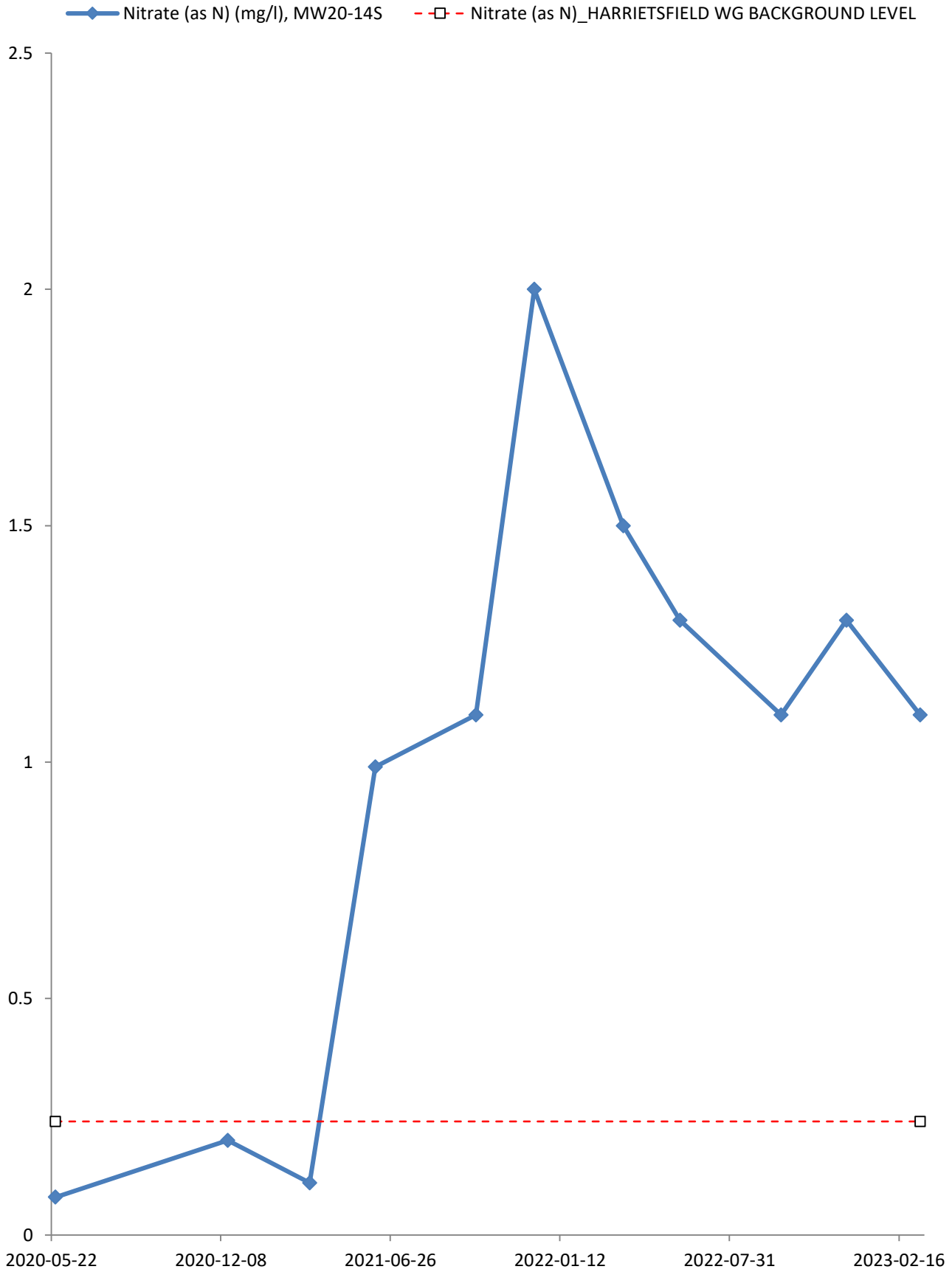


◆ Modified TPH Tier 1 (mg/l), MW20-14S
-□- Modified TPH Tier 1_HARRIETSFIELD WG BACKGROUND LEVEL

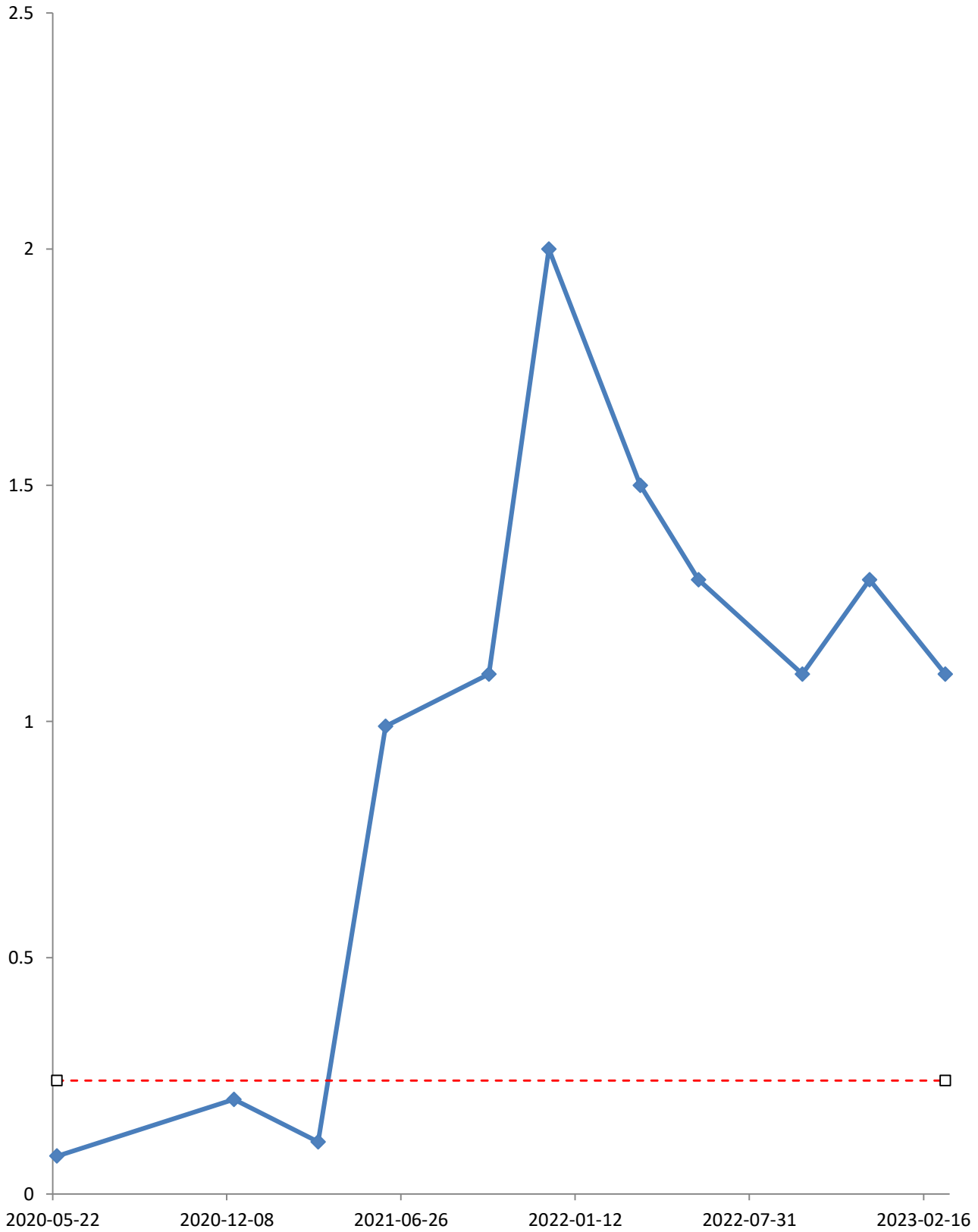


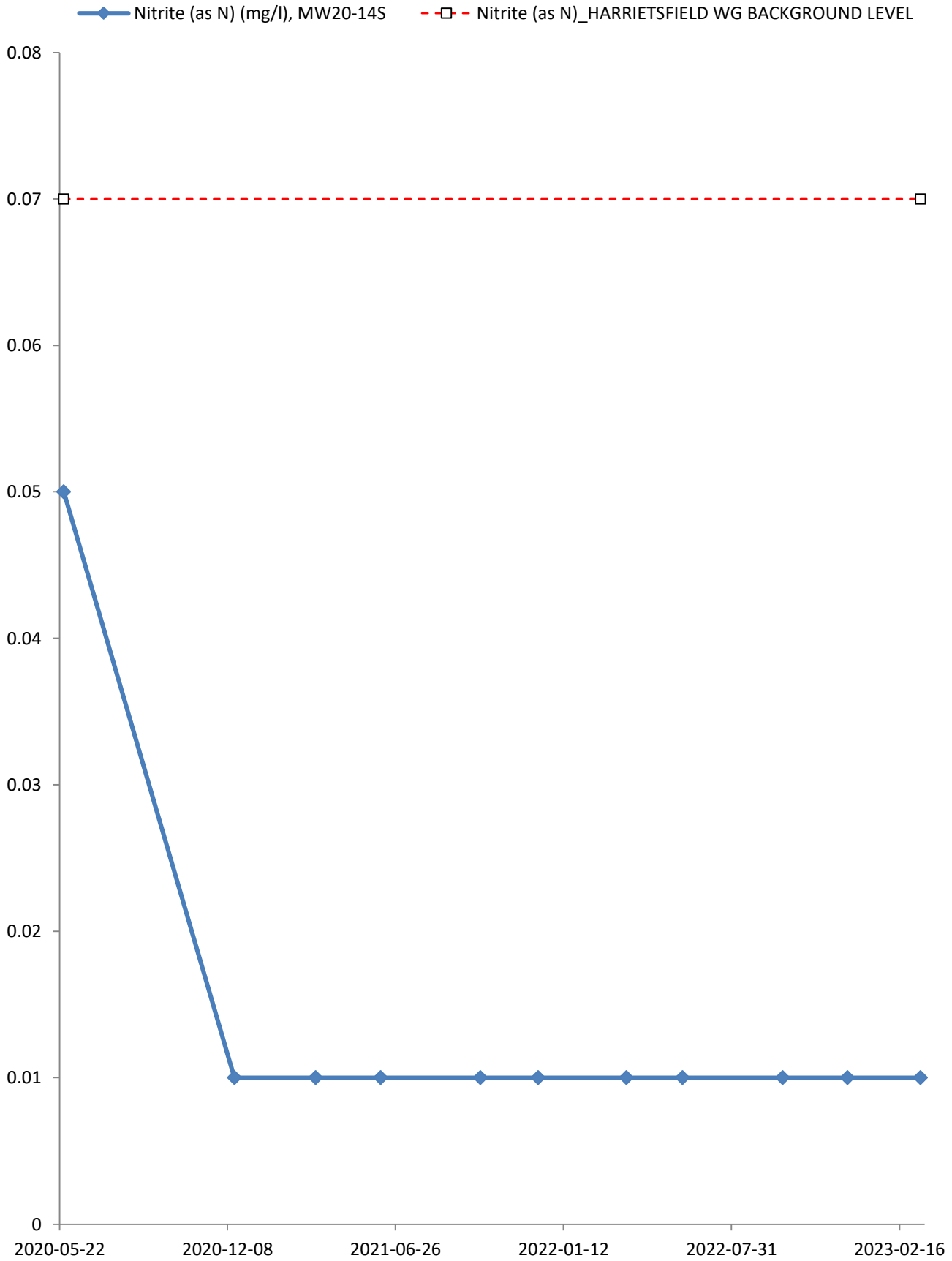




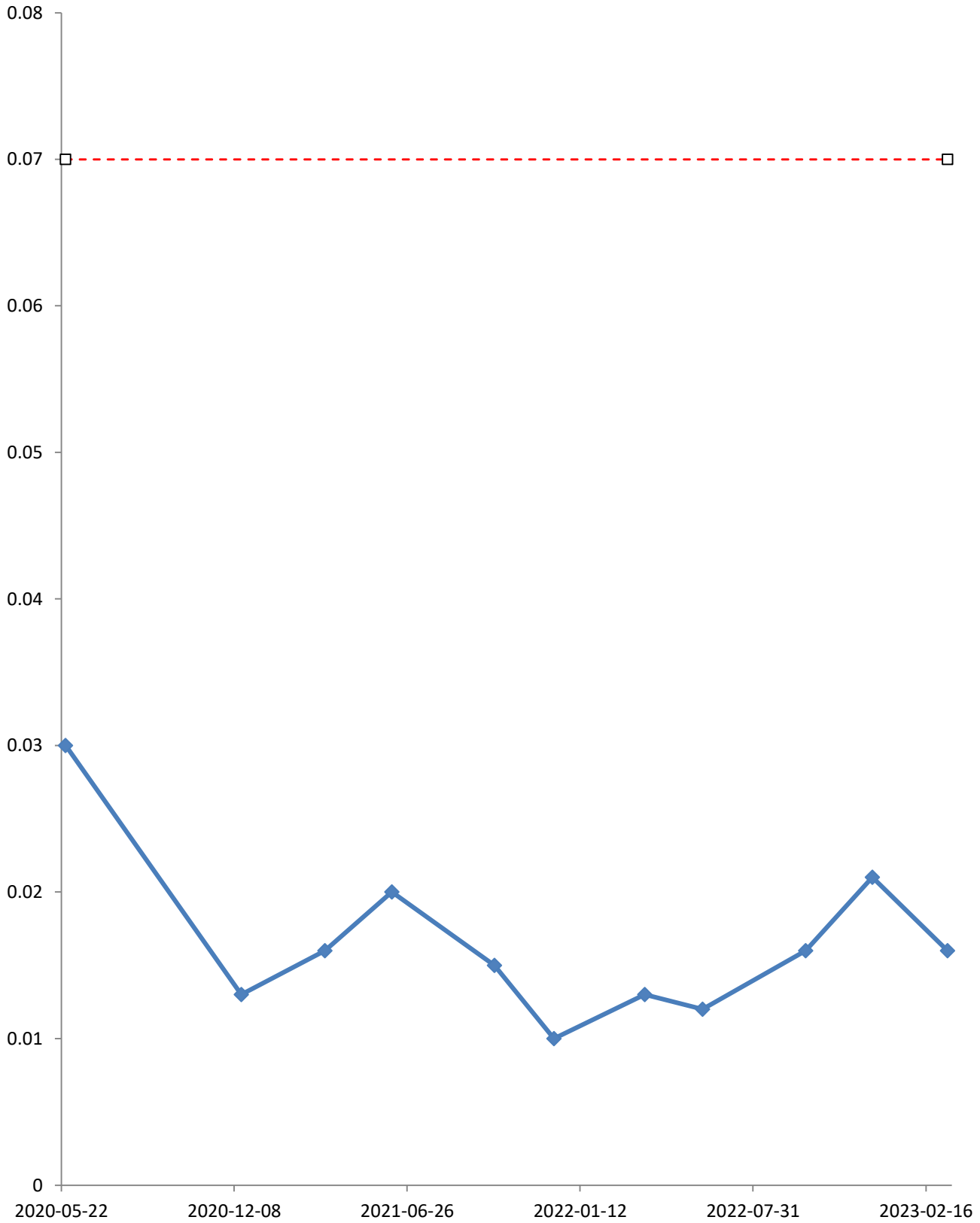


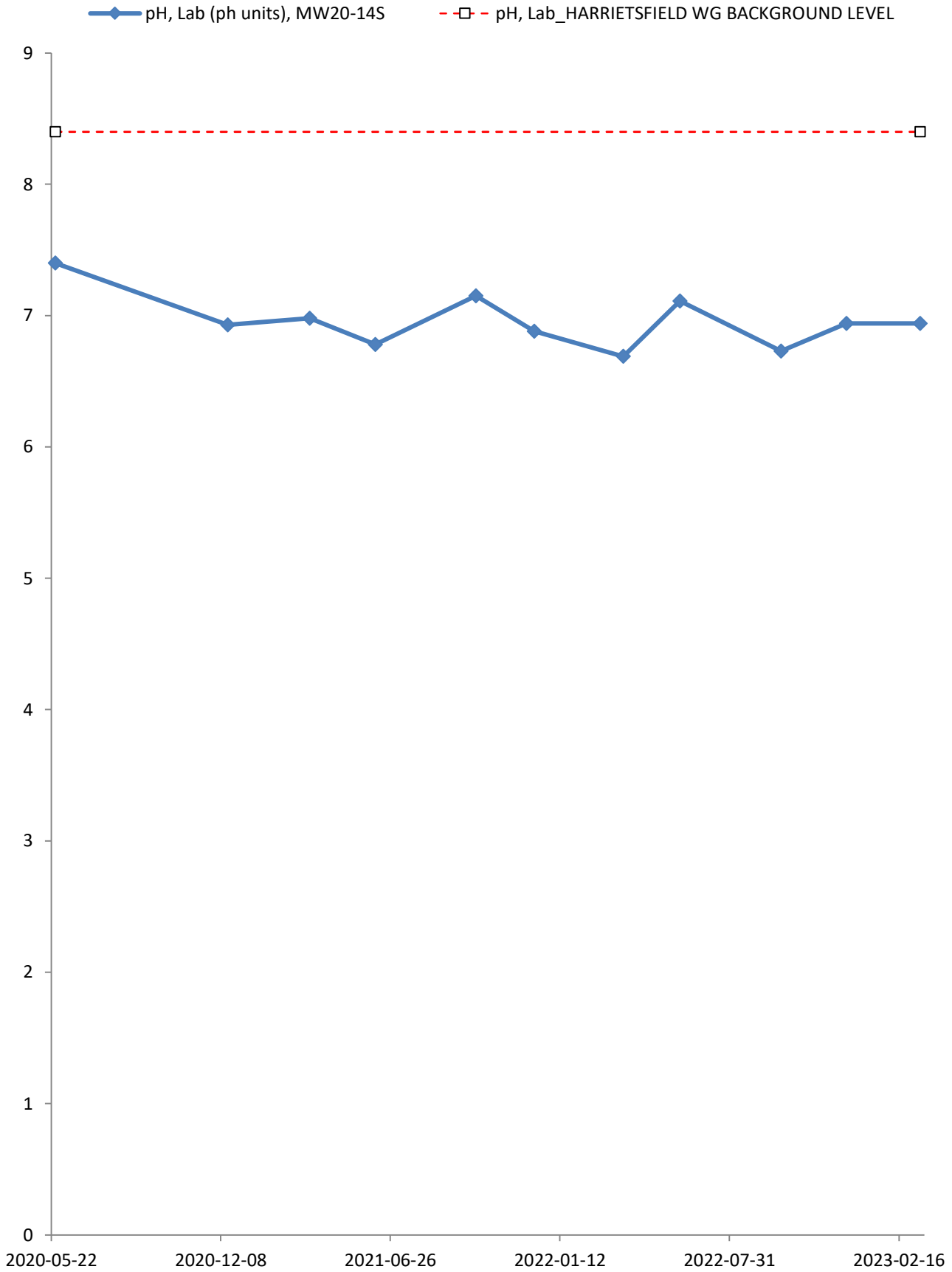
—◆— Nitrate plus Nitrite (N) (mg/l), MW20-14S
- -□- - Nitrate plus Nitrite (N)_HARRIETSFIELD WG BACKGROUND LEVEL

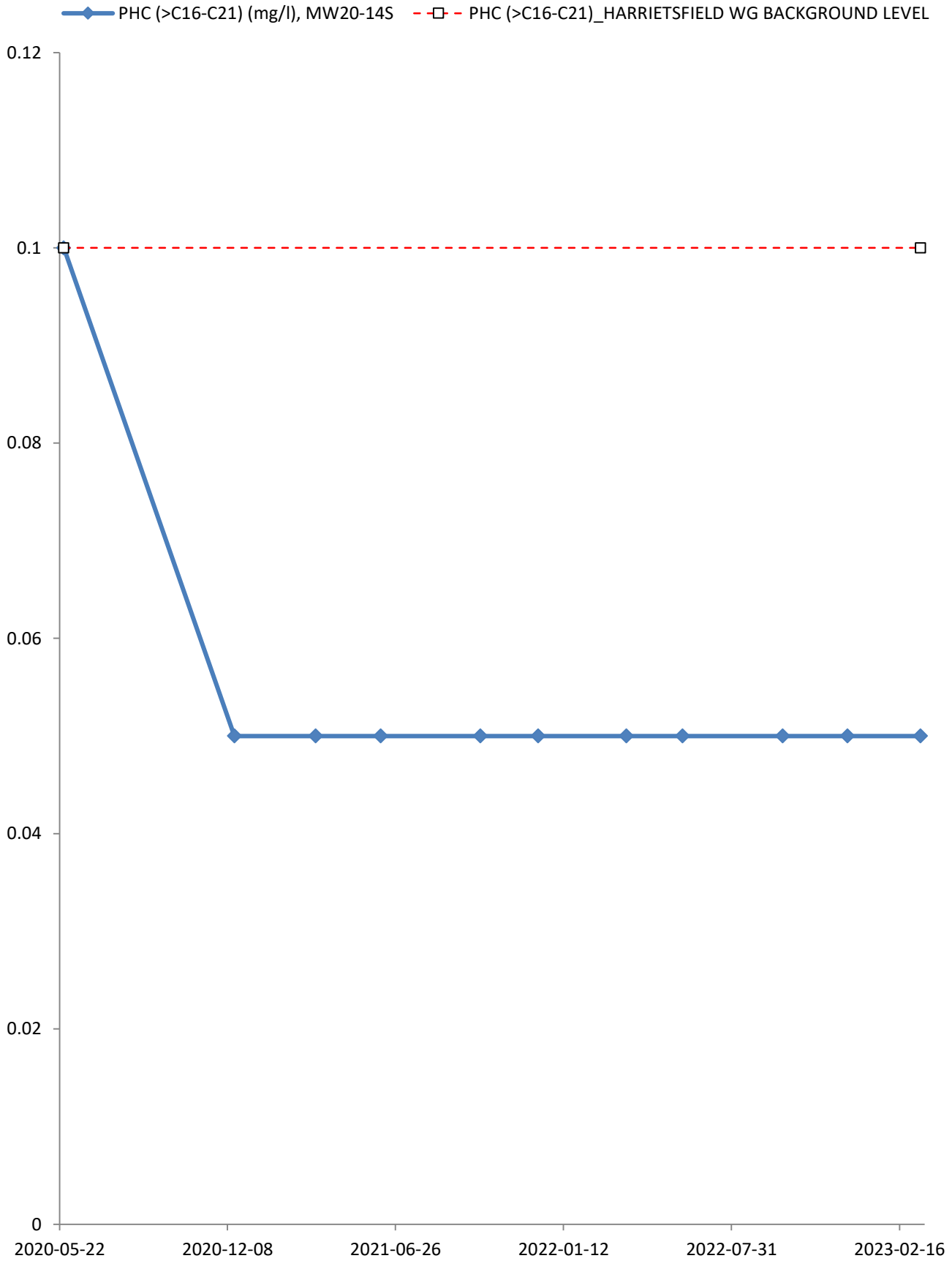


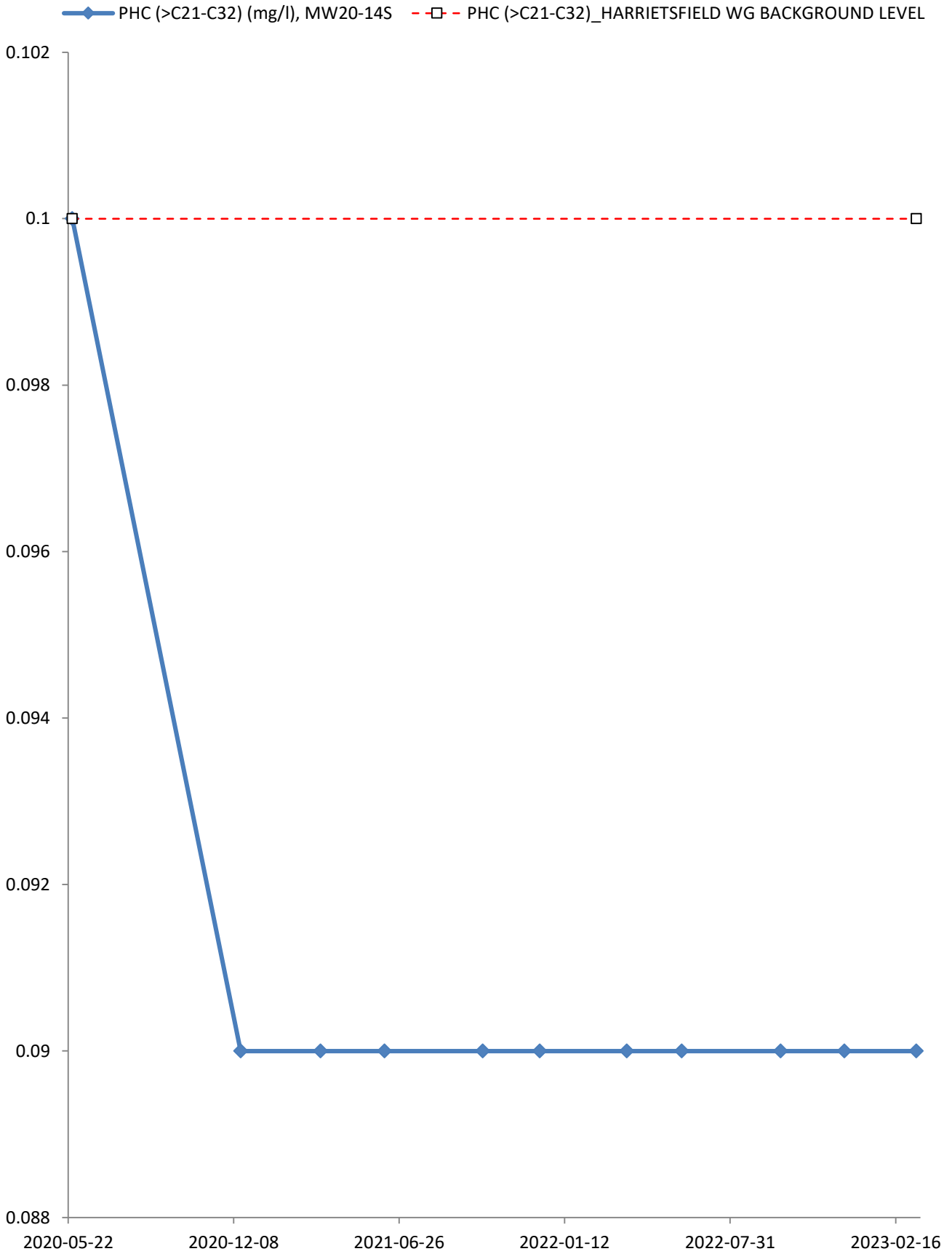


—◆— Orthophosphate(as P) (mg/l), MW20-14S
- -□- - Orthophosphate(as P)_HARRIETSFIELD WG BACKGROUND LEVEL

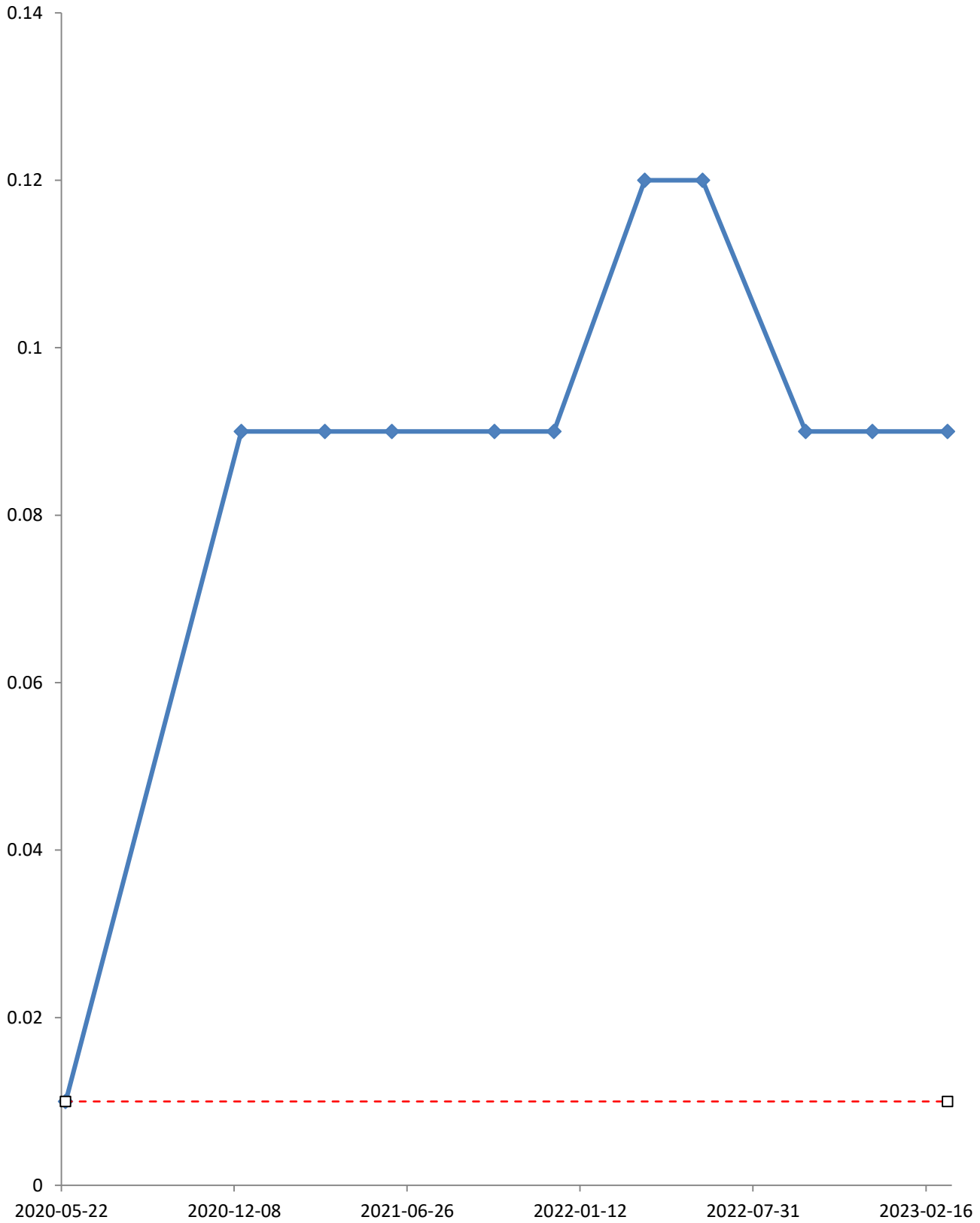




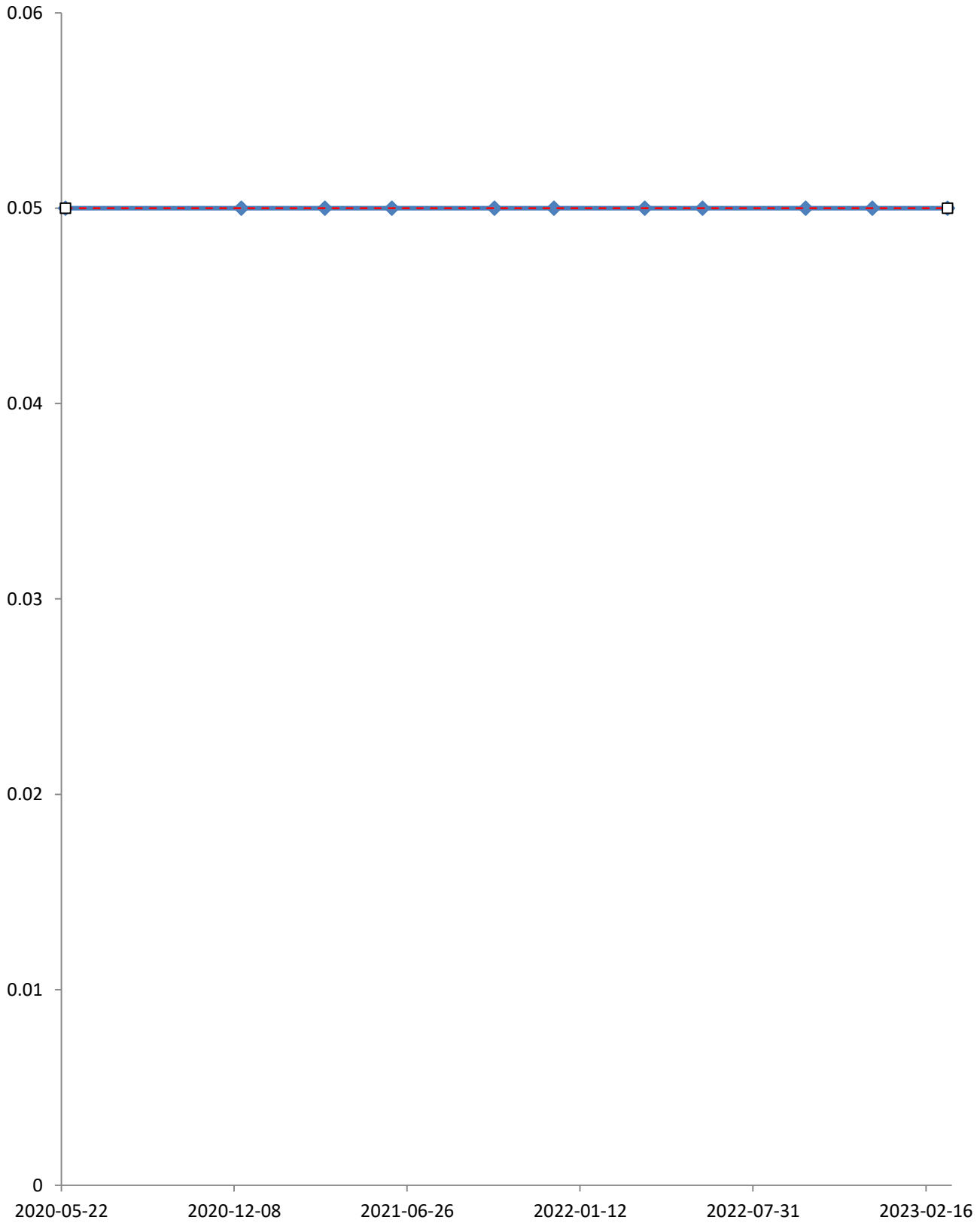


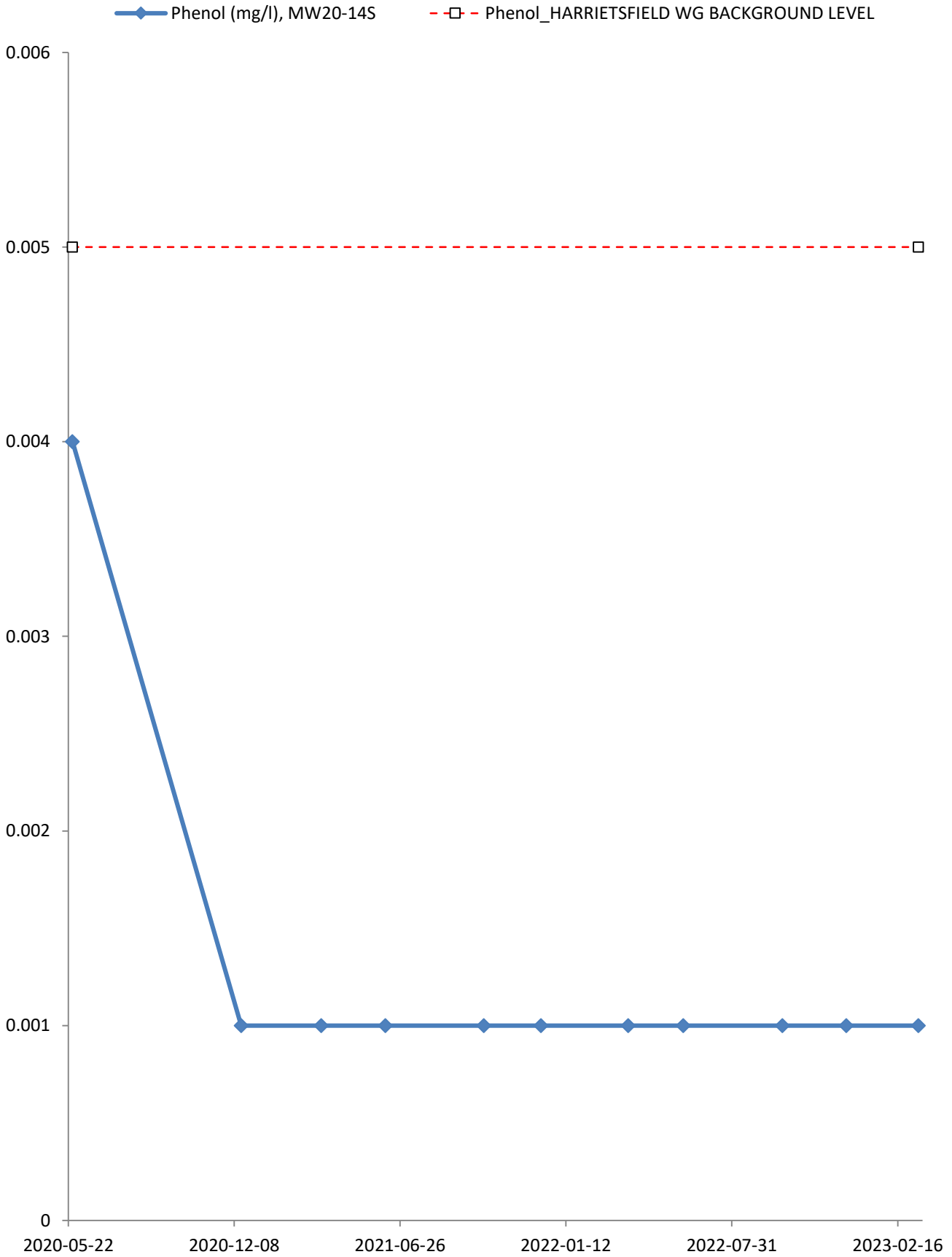


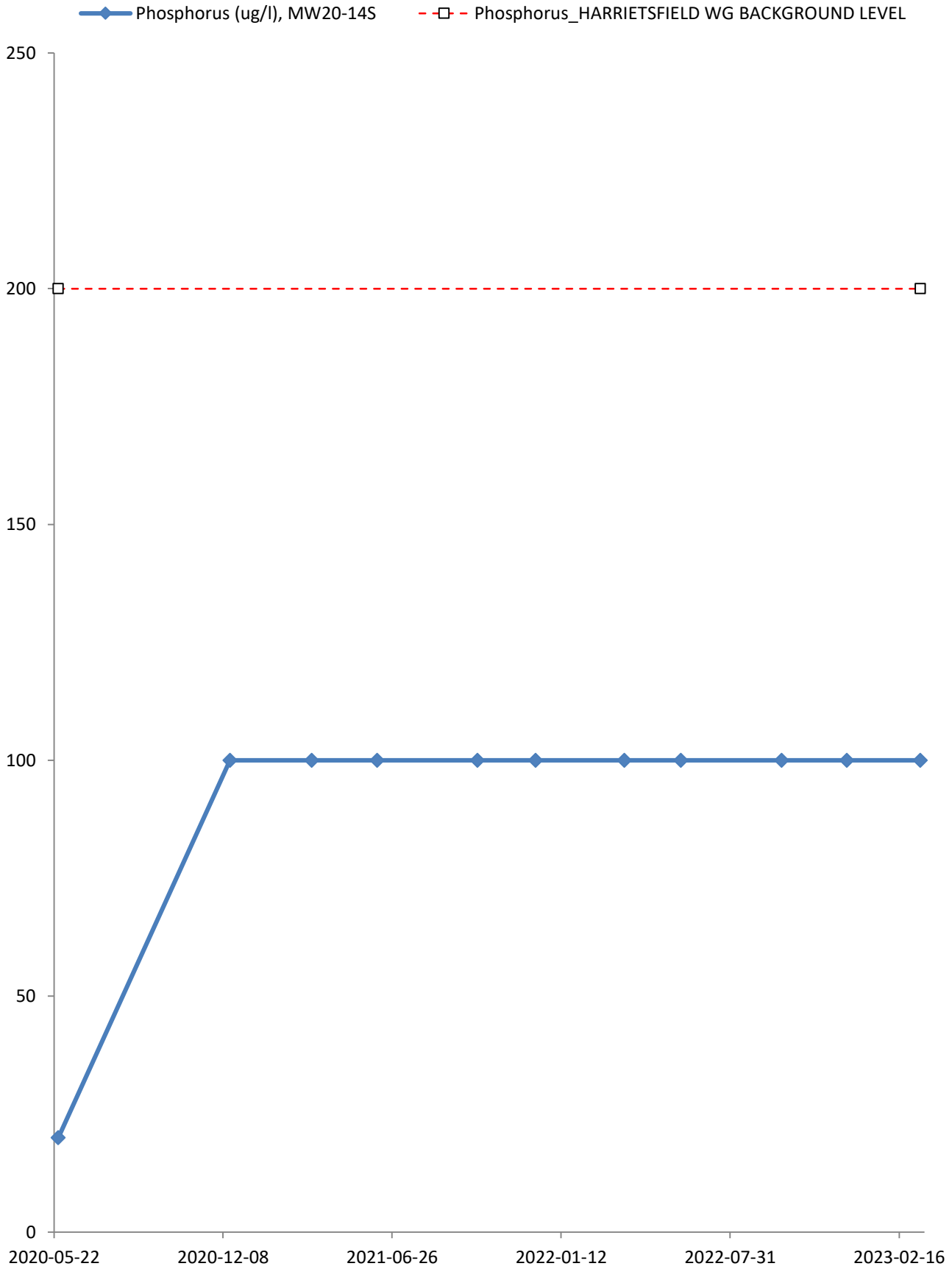
—◆— PHC F1 (C6-C10) min BTEX (mg/l), MW20-14S
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WG BACKGROUND LEVEL

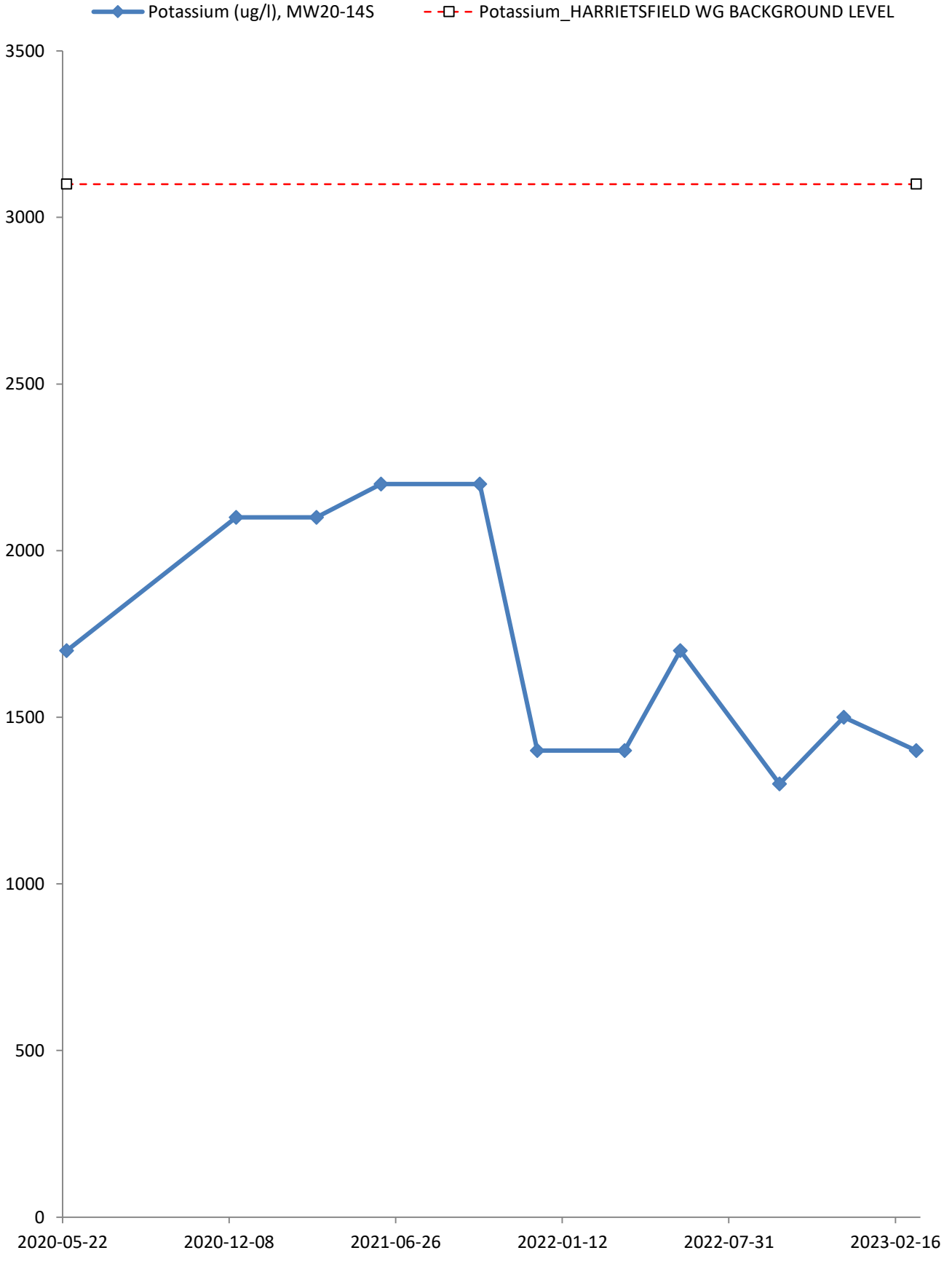


—◆— PHC F2 (>C10-C16) (mg/l), MW20-14S
- -□- - PHC F2 (>C10-C16)_HARRIETSFIELD WG BACKGROUND LEVEL

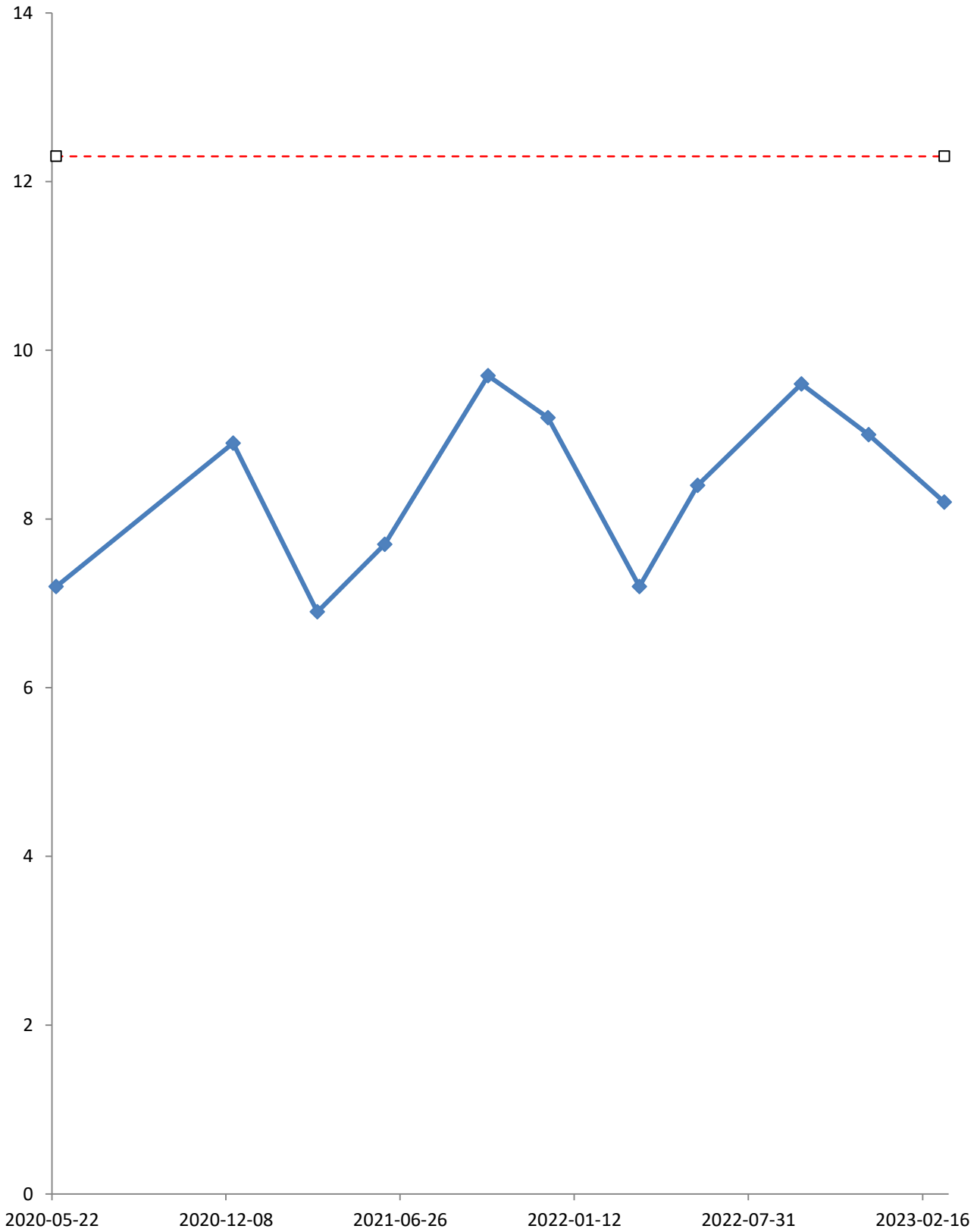


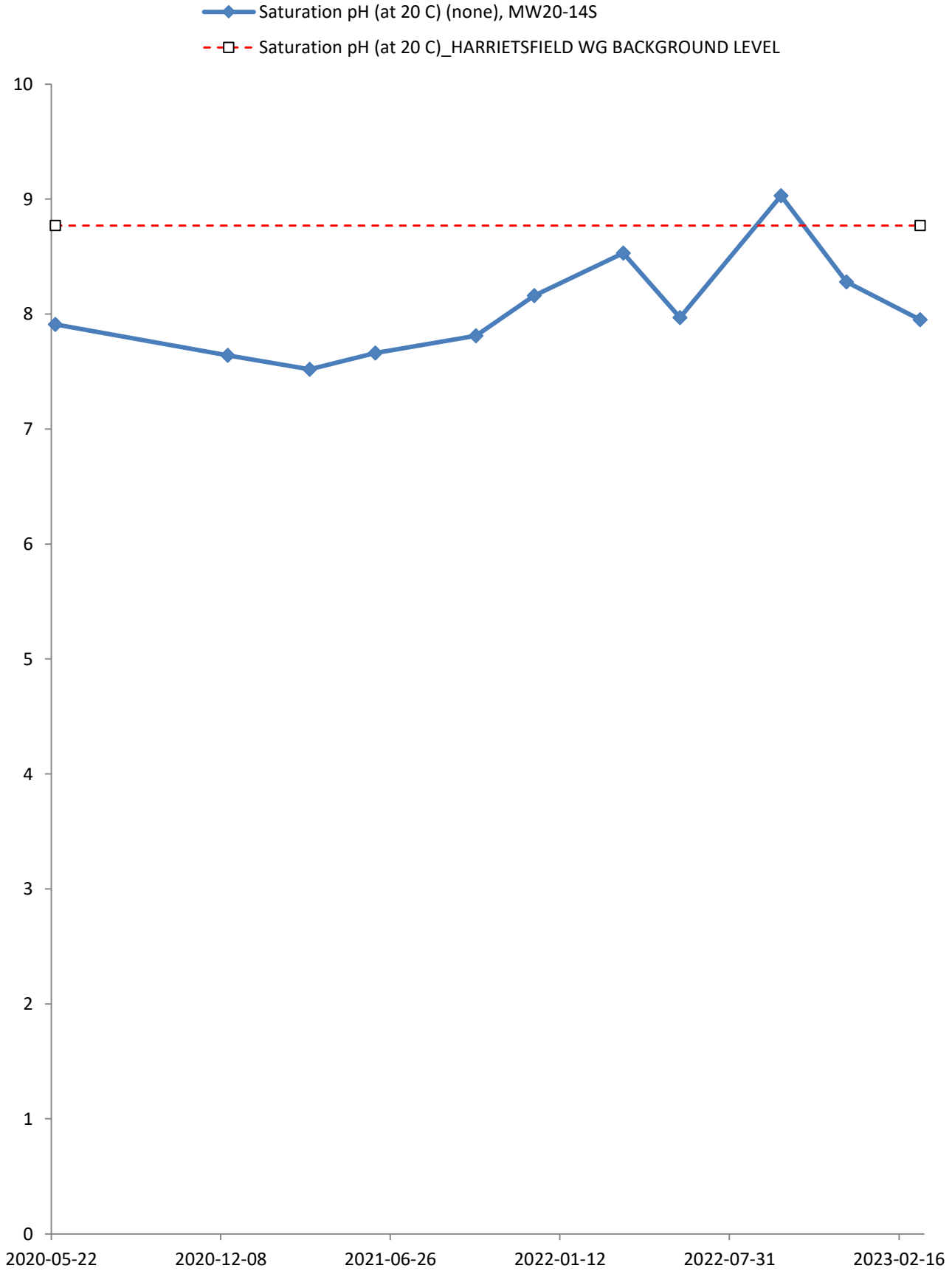




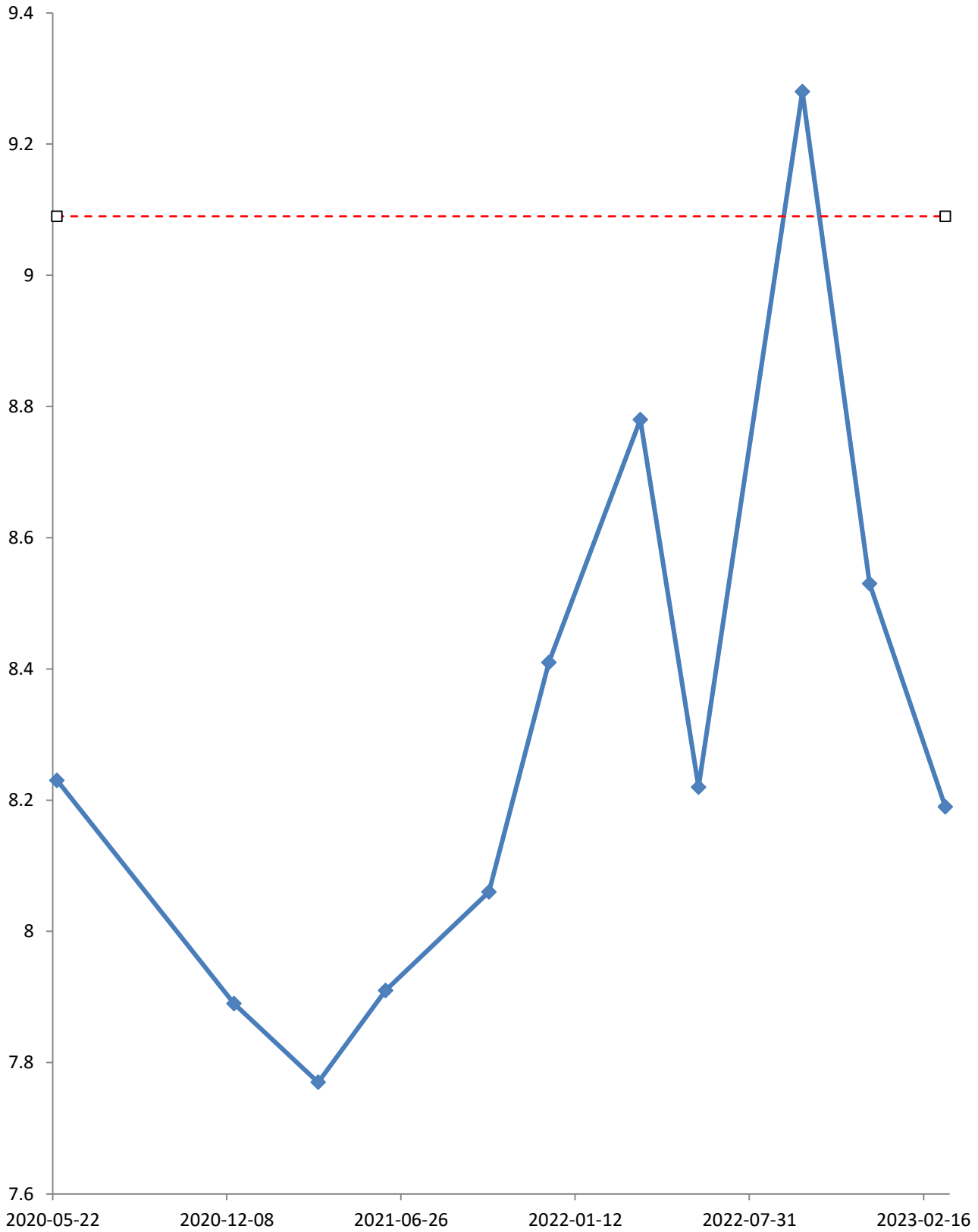


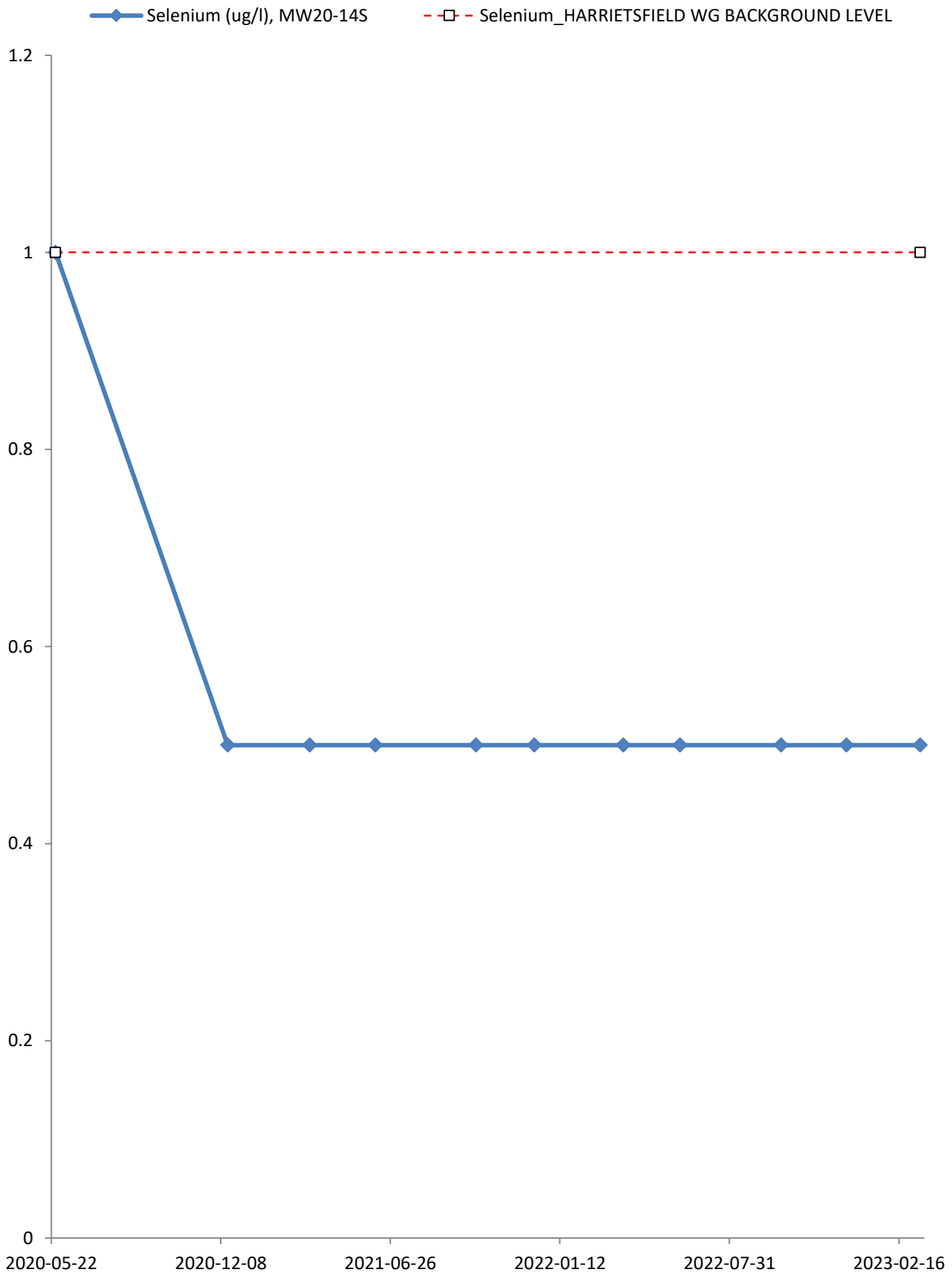
◆ Reactive Silica (SiO₂) (mg/l), MW20-14S
-□- Reactive Silica (SiO₂)_HARRIETSFIELD WG BACKGROUND LEVEL

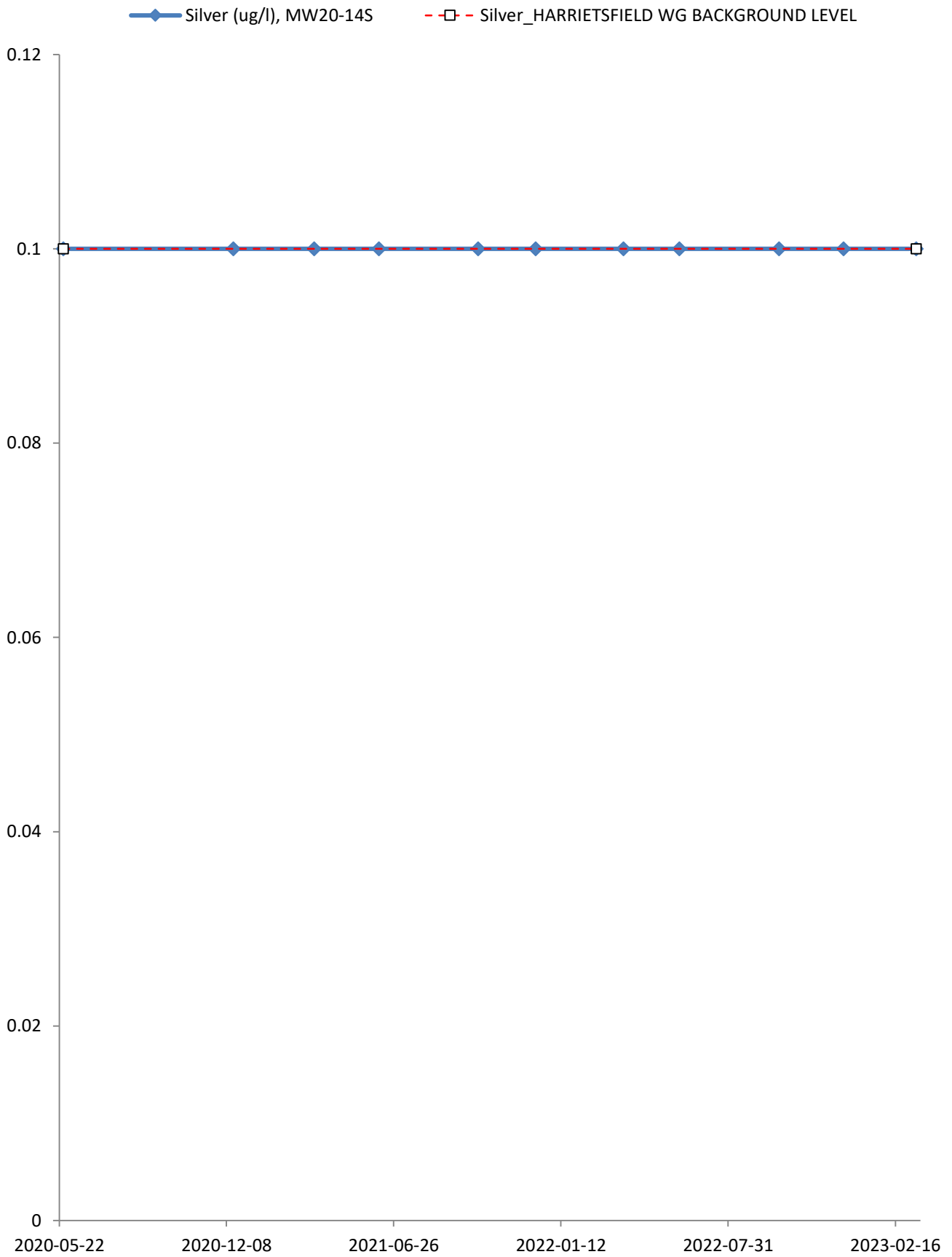


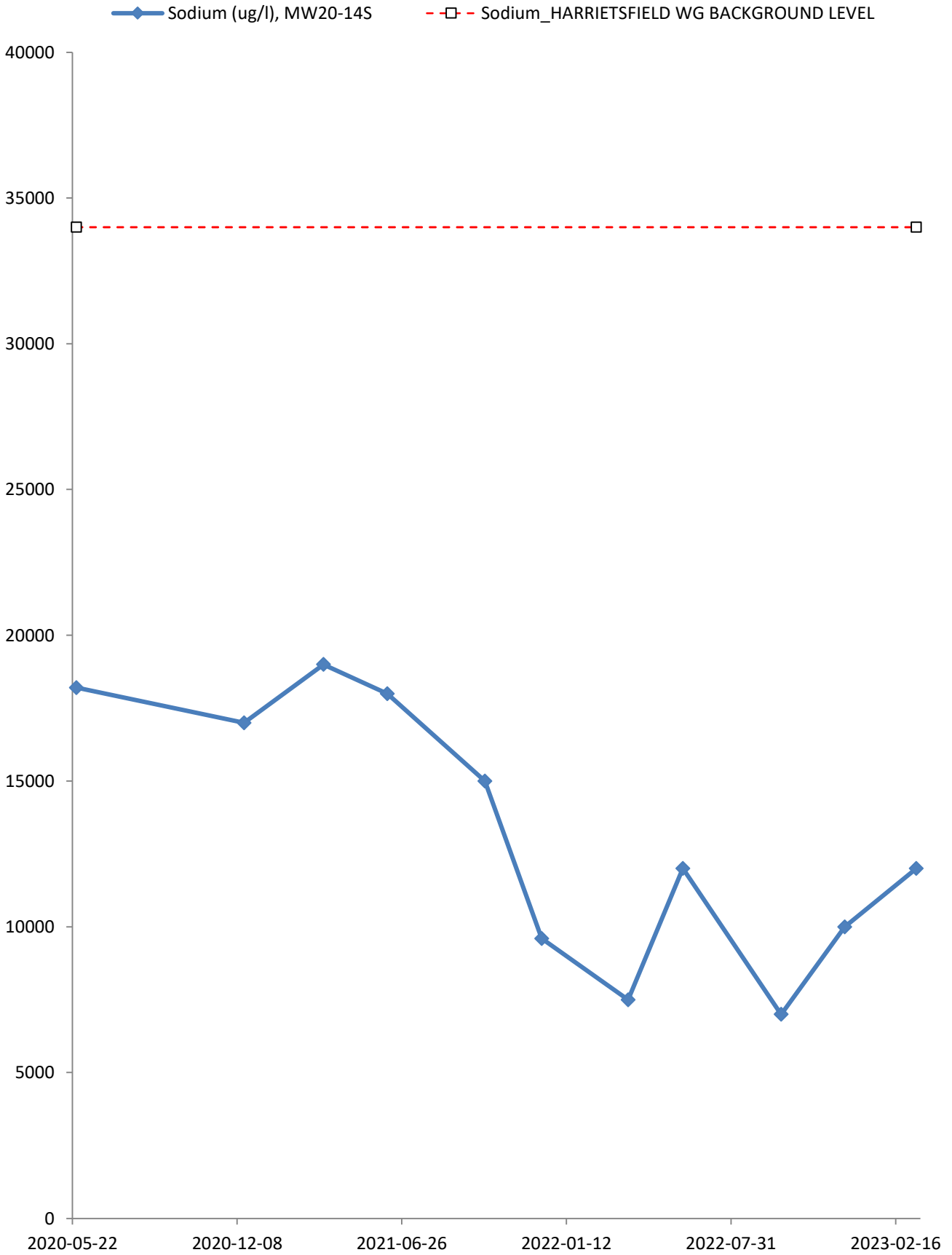


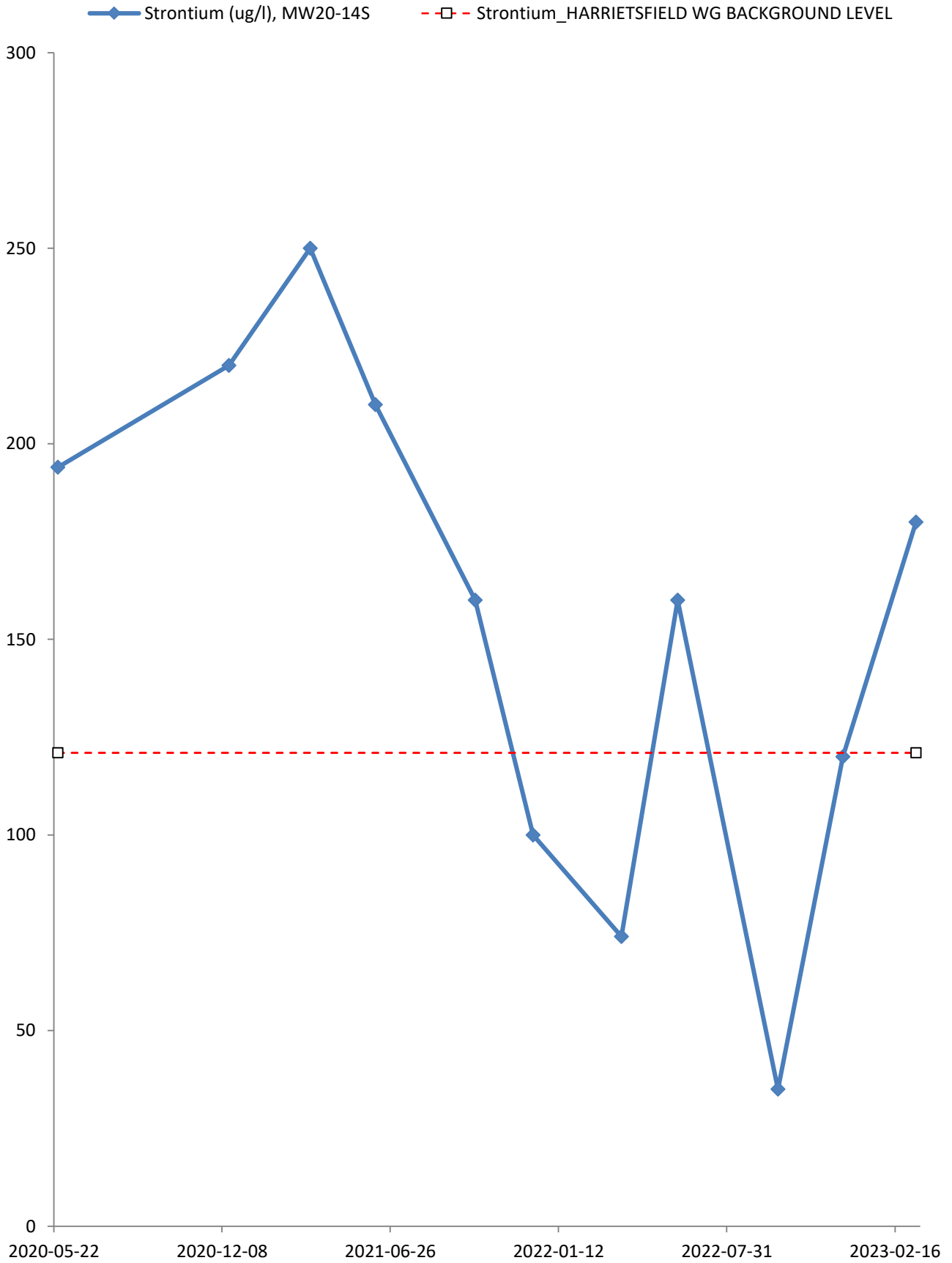
—◆— Saturation pH (at 4 C) (none), MW20-14S
- -□- - Saturation pH (at 4 C)_HARRIETSFIELD WG BACKGROUND LEVEL

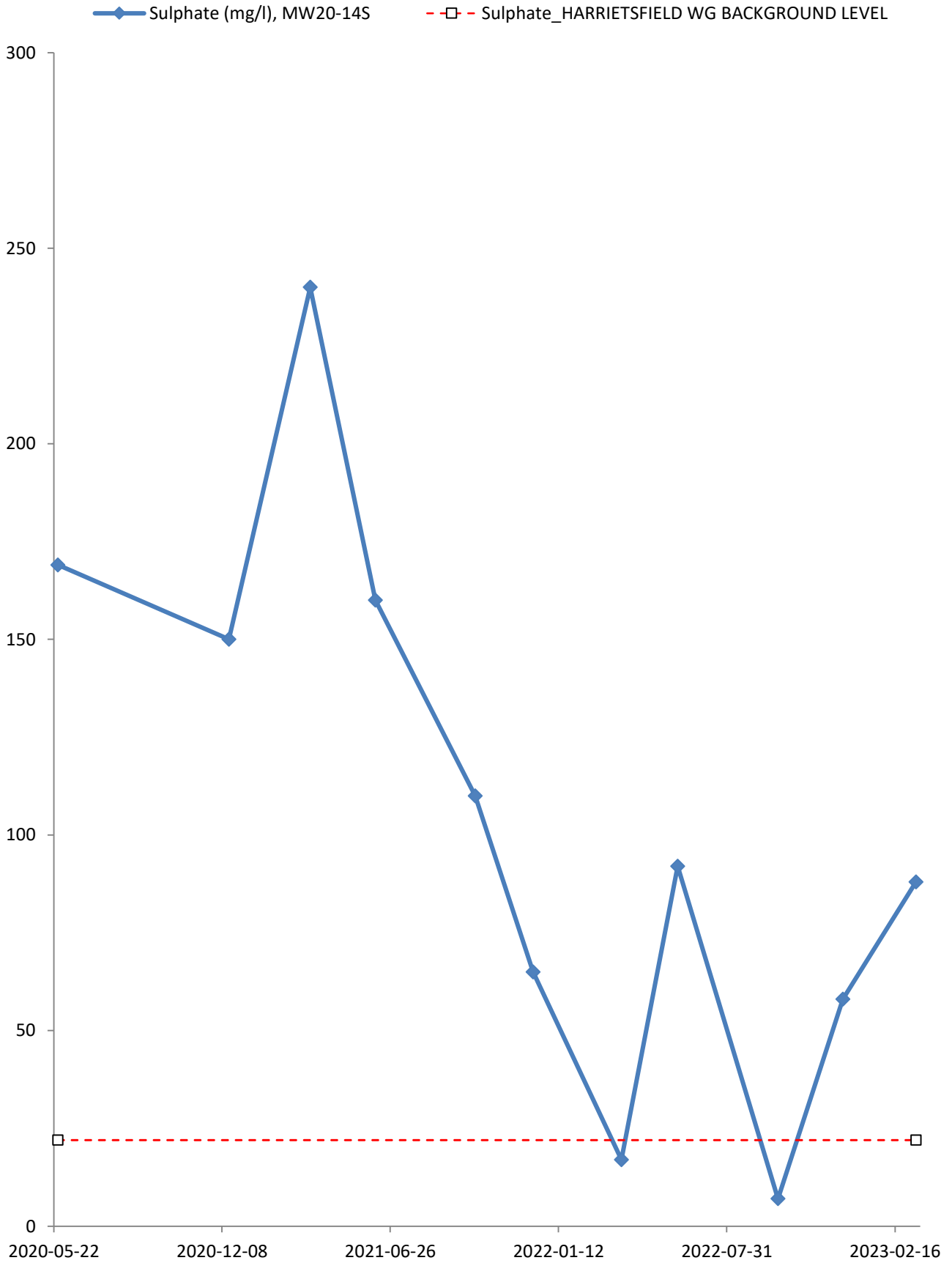


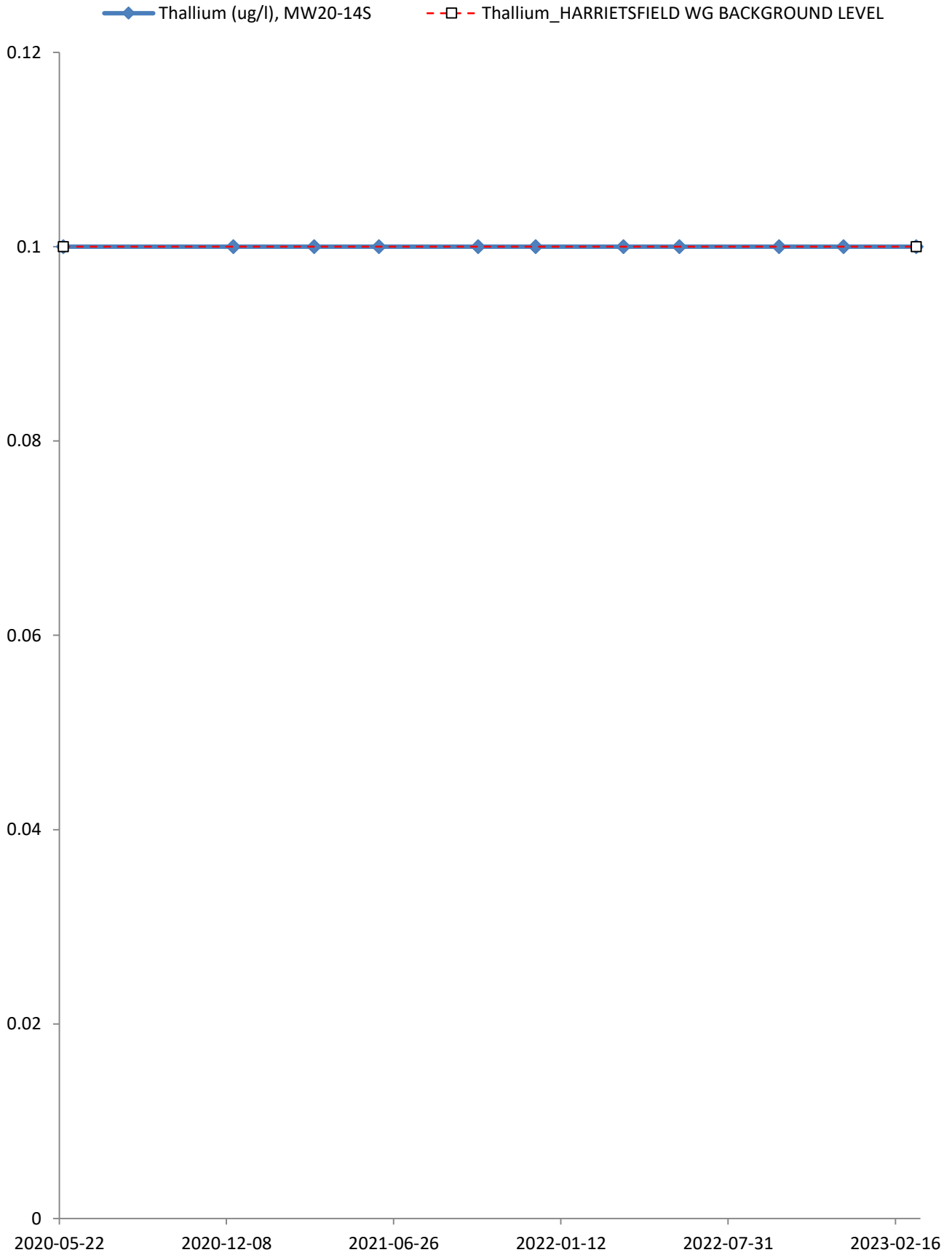


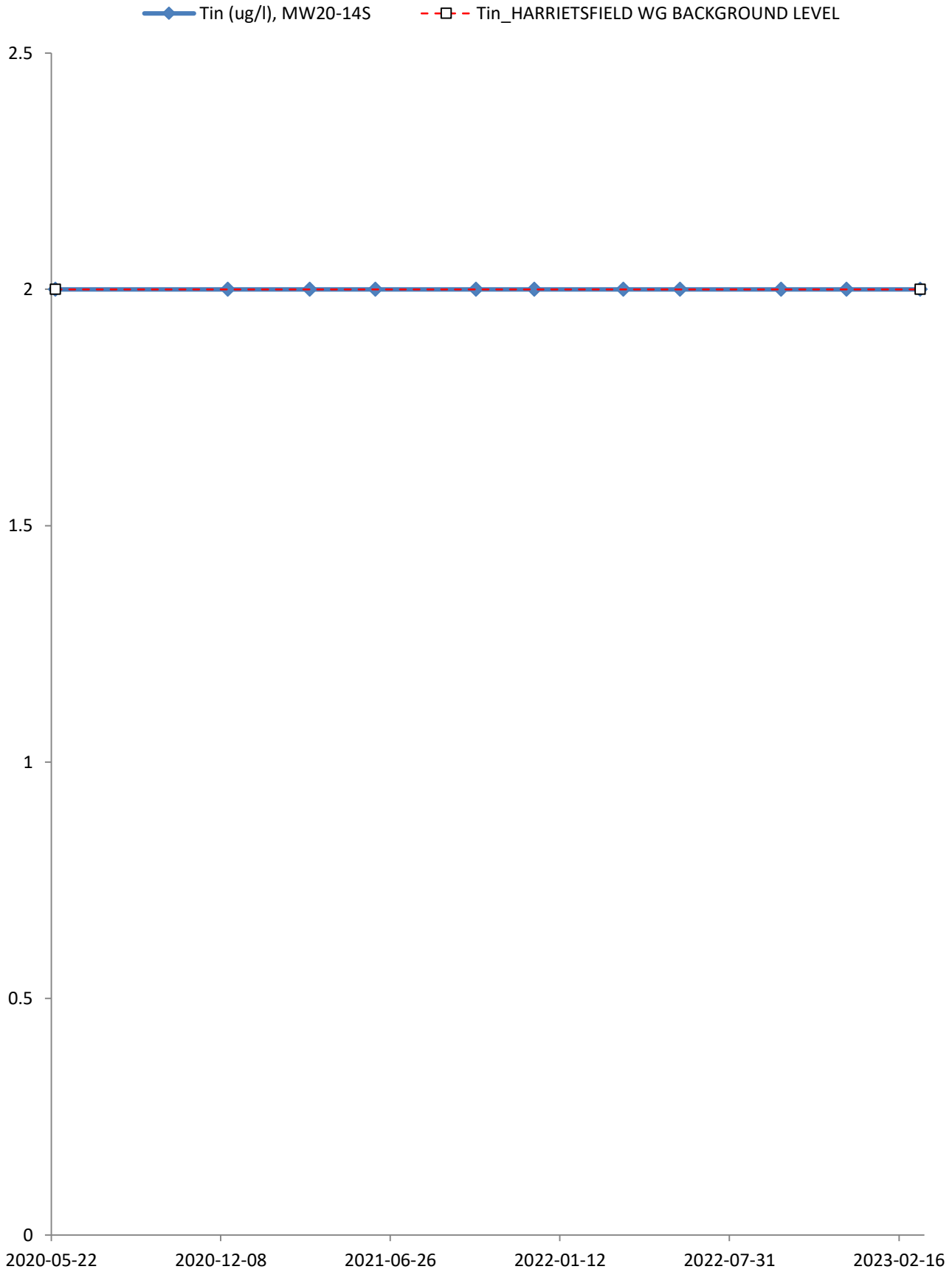


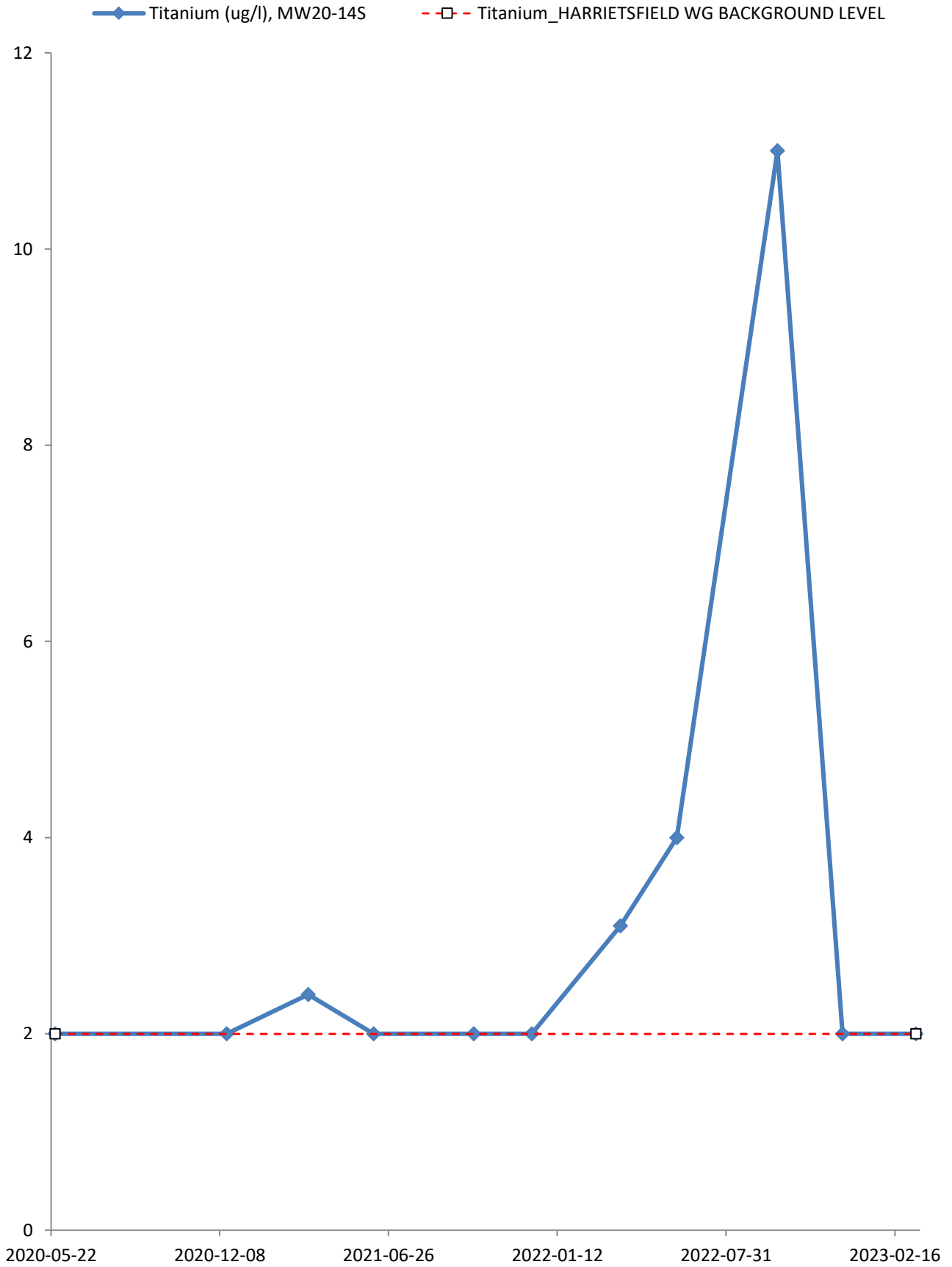


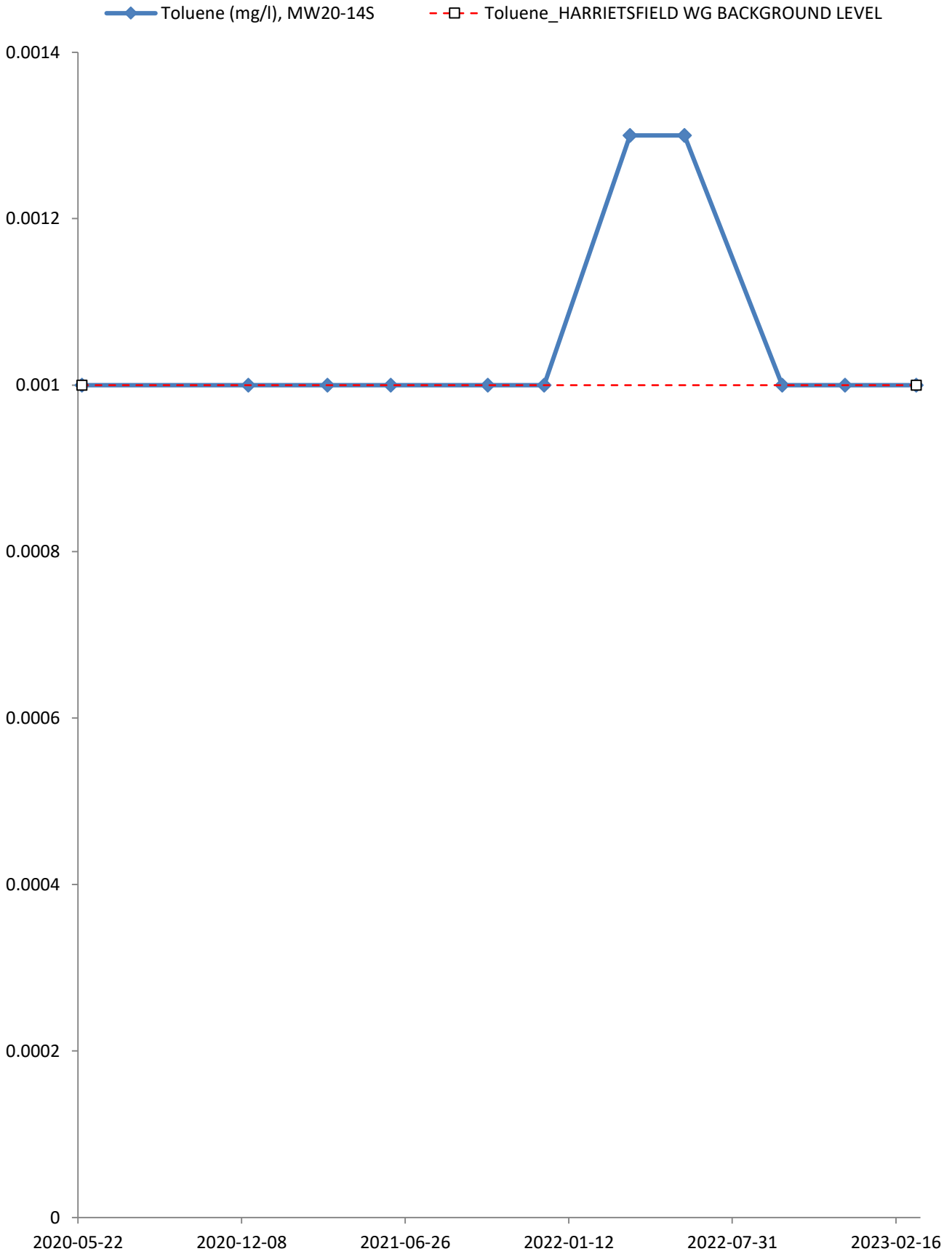




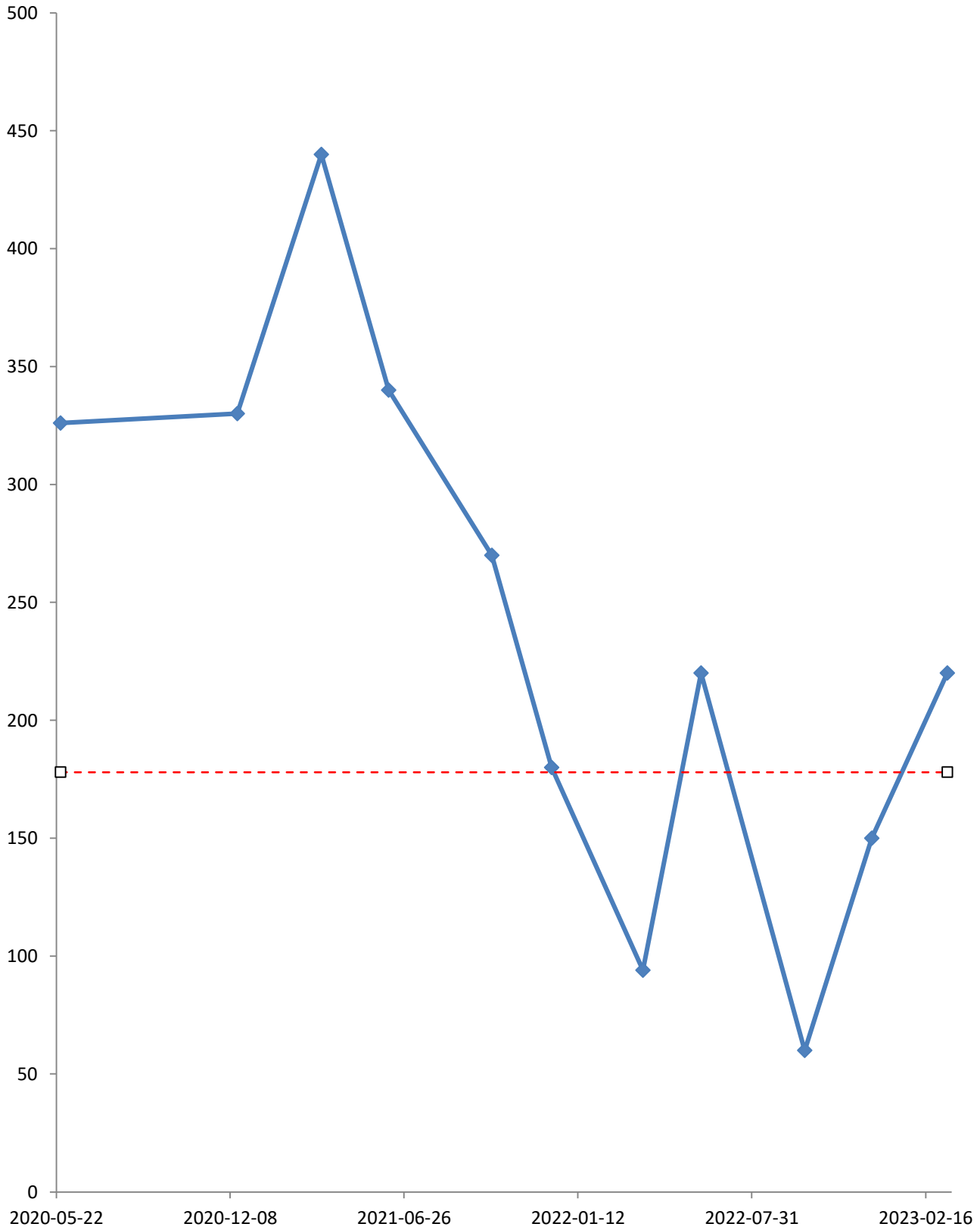




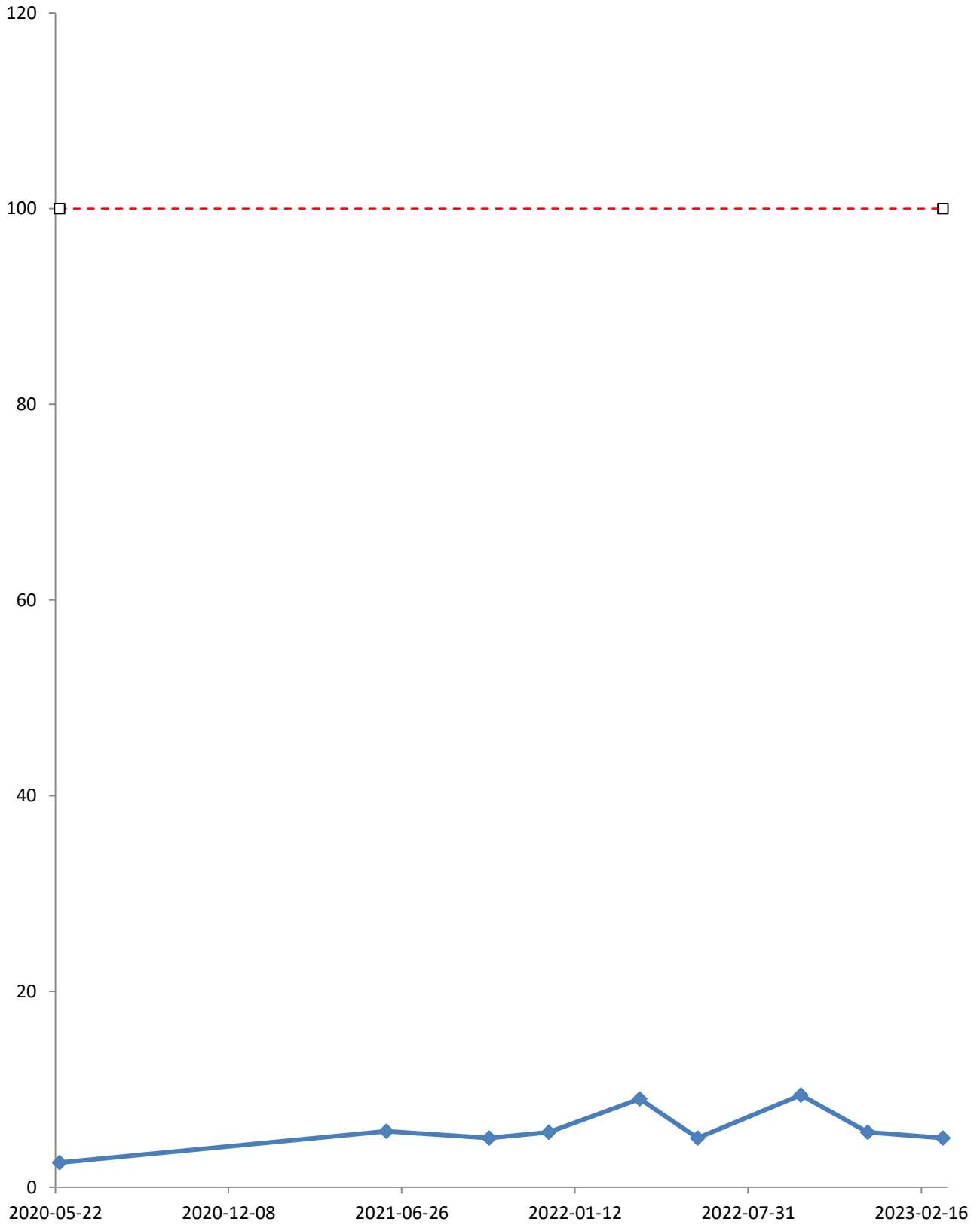




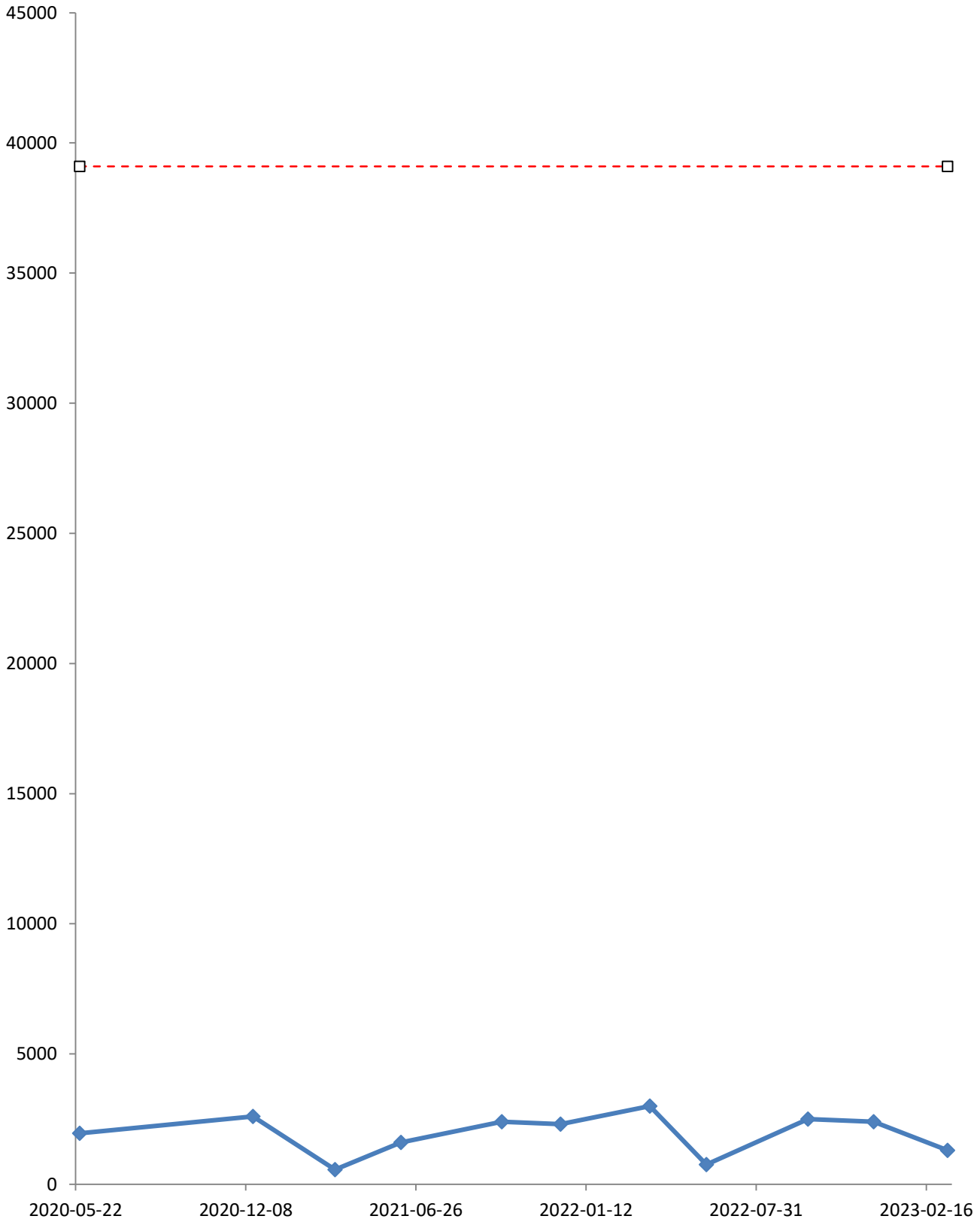
—◆— Total Diss Solids (Lab) (mg/l), MW20-14S
- -□- - Total Diss Solids (Lab)_HARRIETSFIELD WG BACKGROUND LEVEL

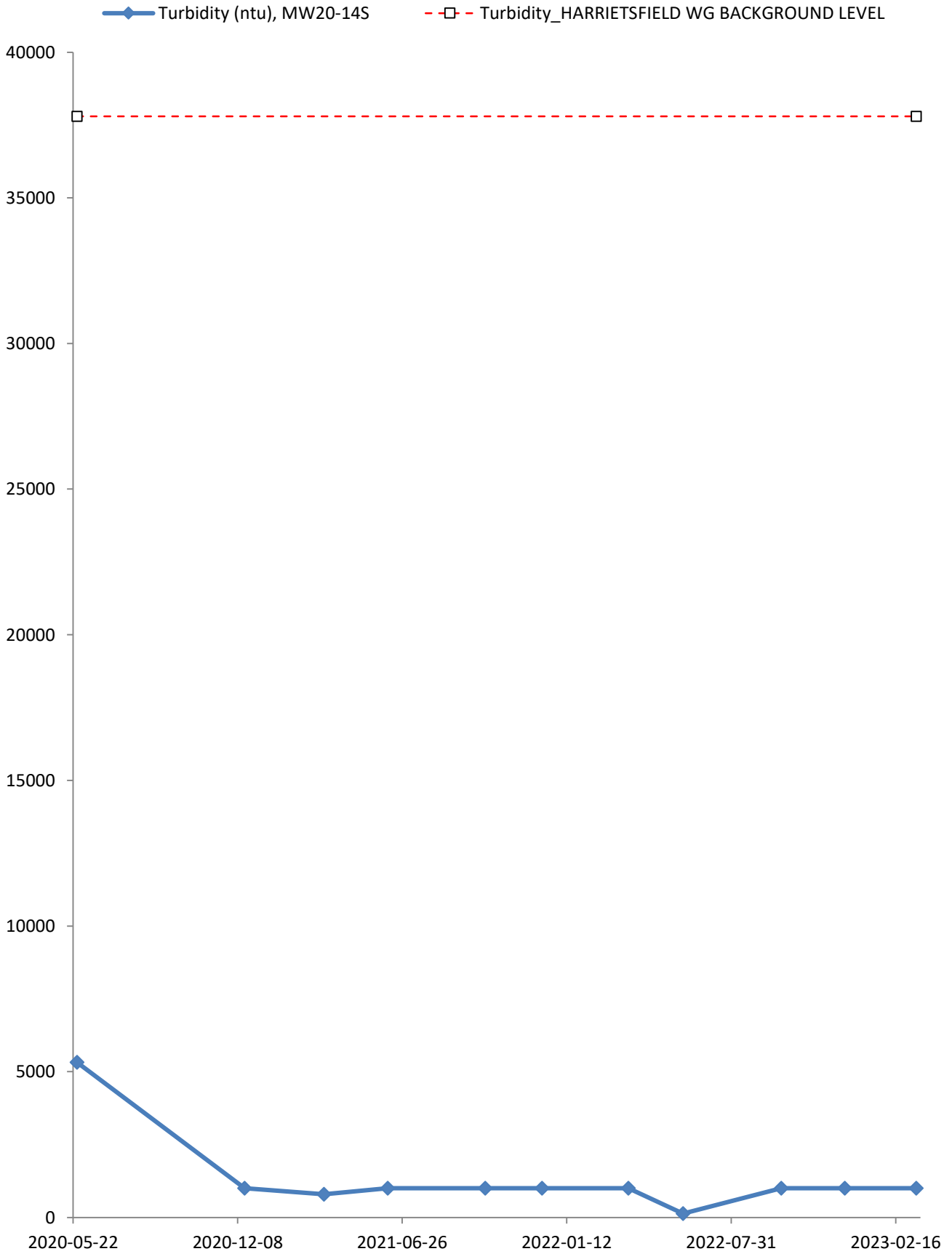


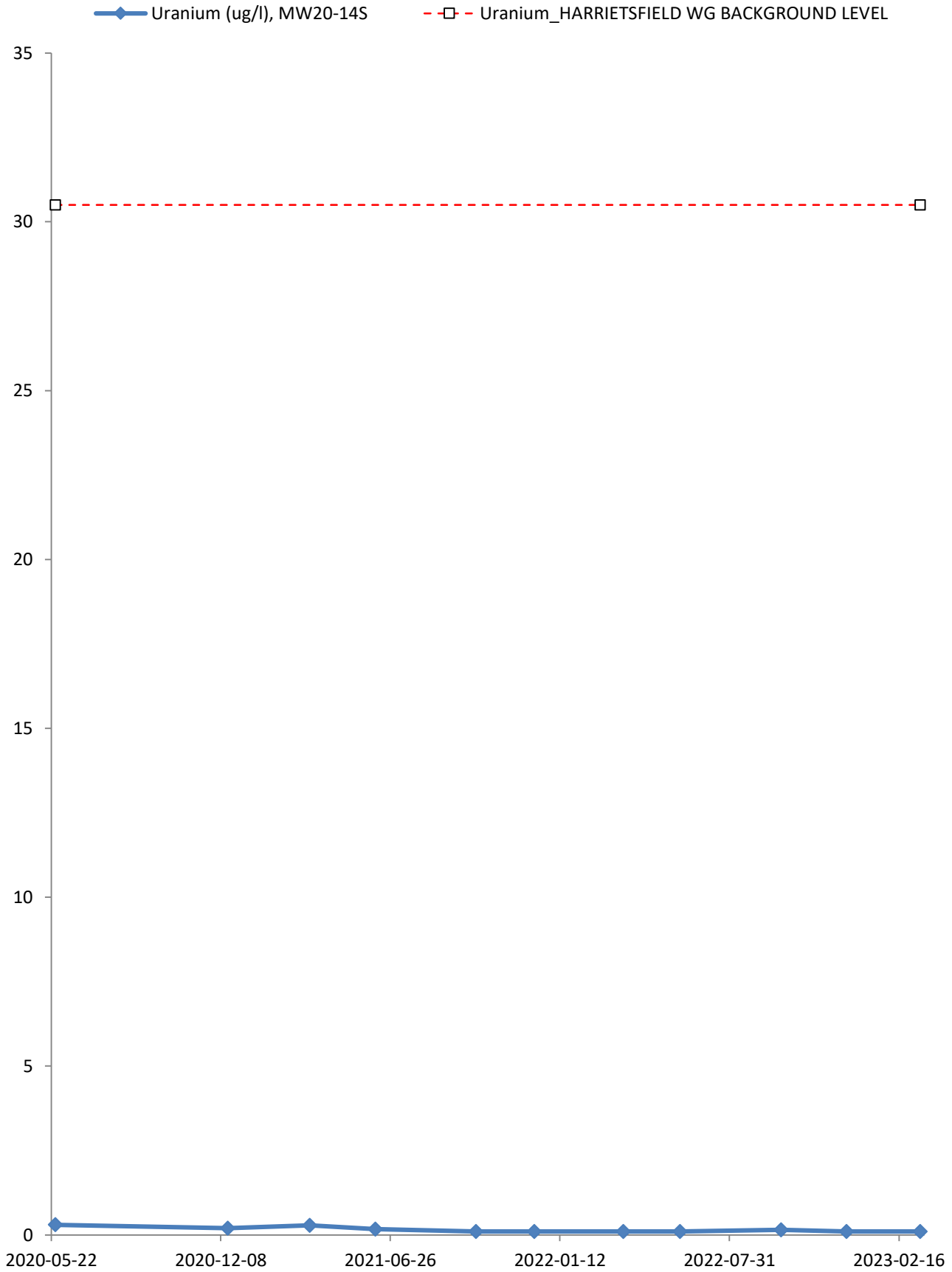
—◆— Total Organic Carbon (mg/l), MW20-14S
- -□- - Total Organic Carbon_HARRIETSFIELD WG BACKGROUND LEVEL

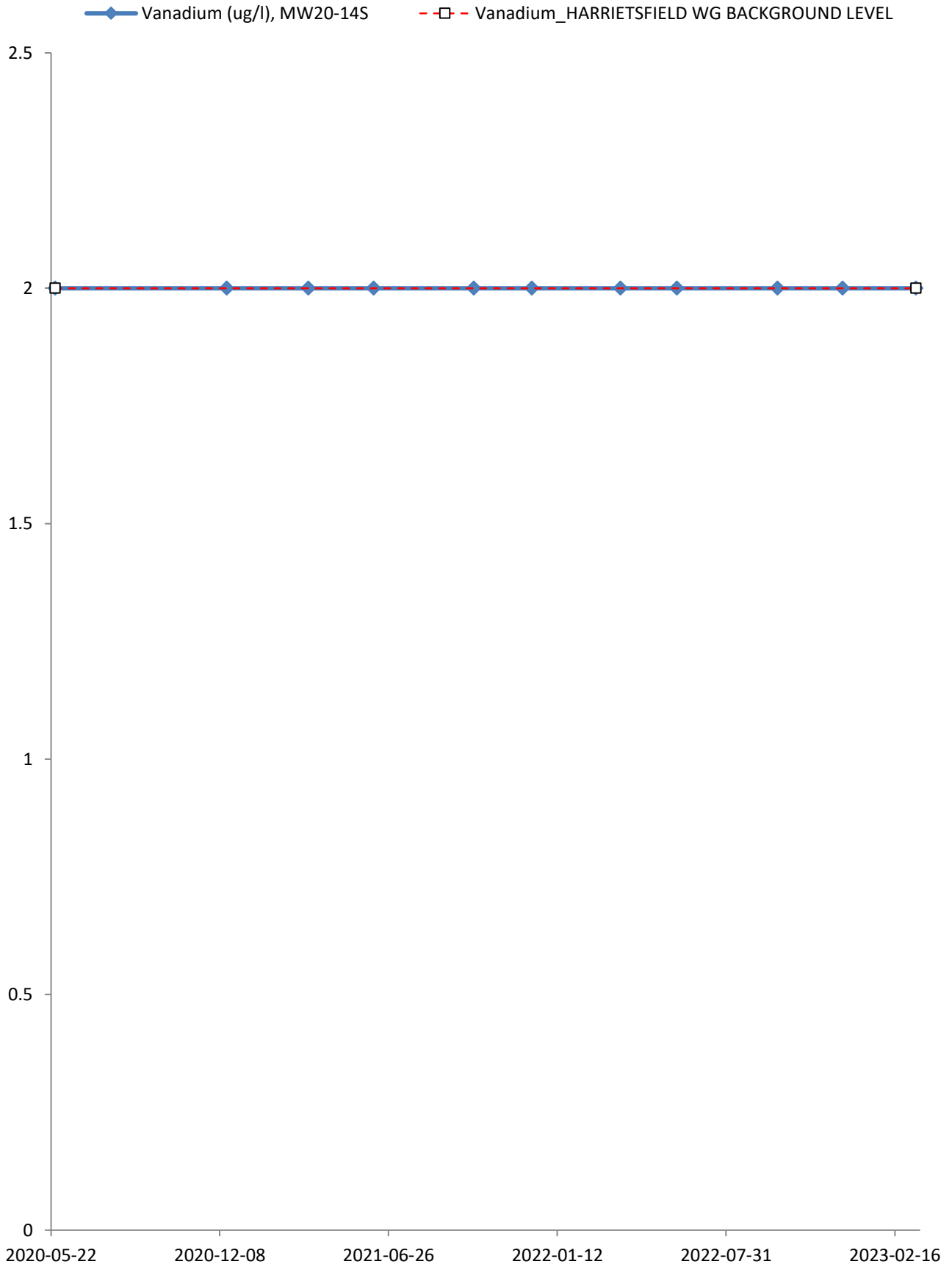


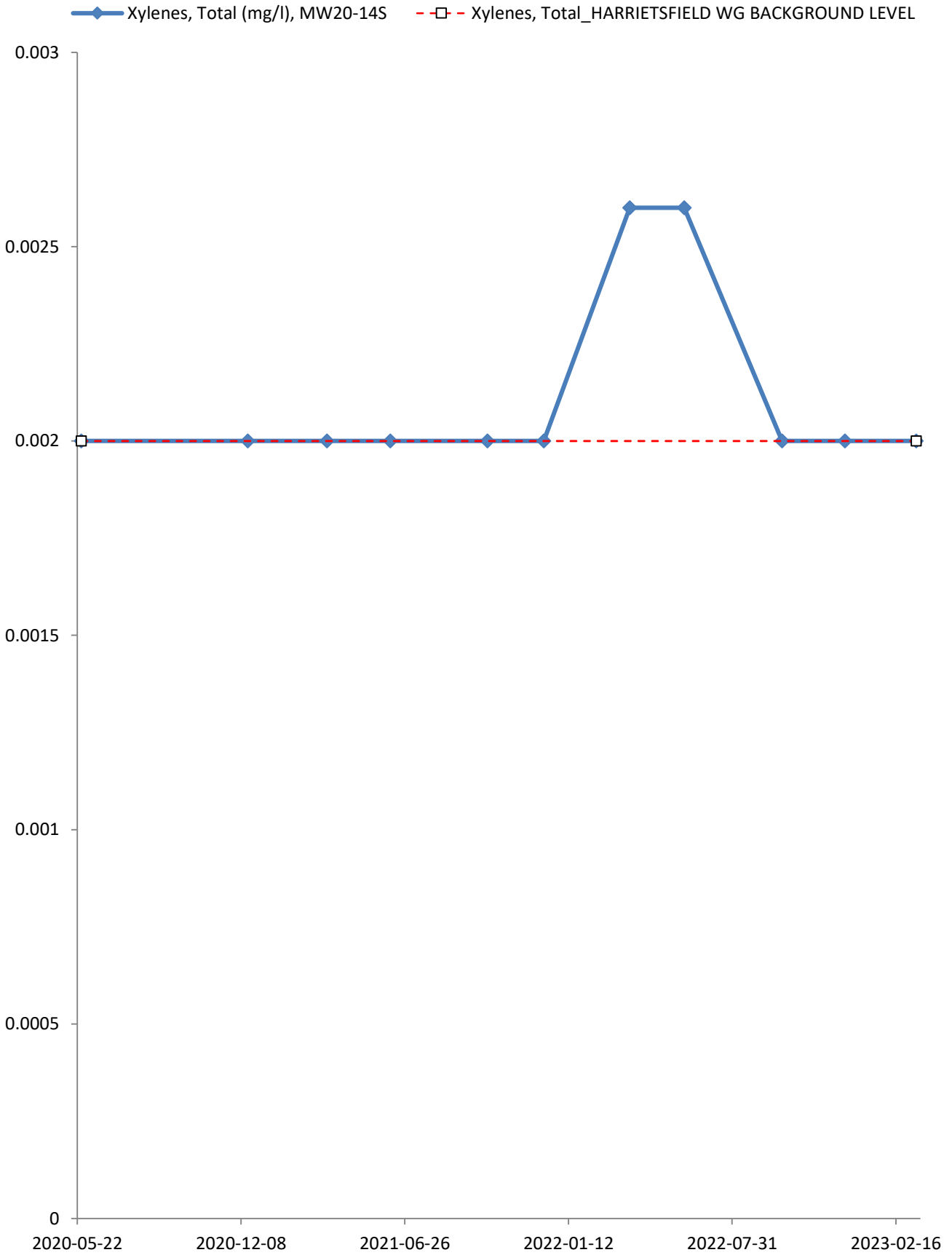
—◆— Total Suspended Solids (mg/l), MW20-14S
- -□- - Total Suspended Solids_HARRIETSFIELD WG BACKGROUND LEVEL

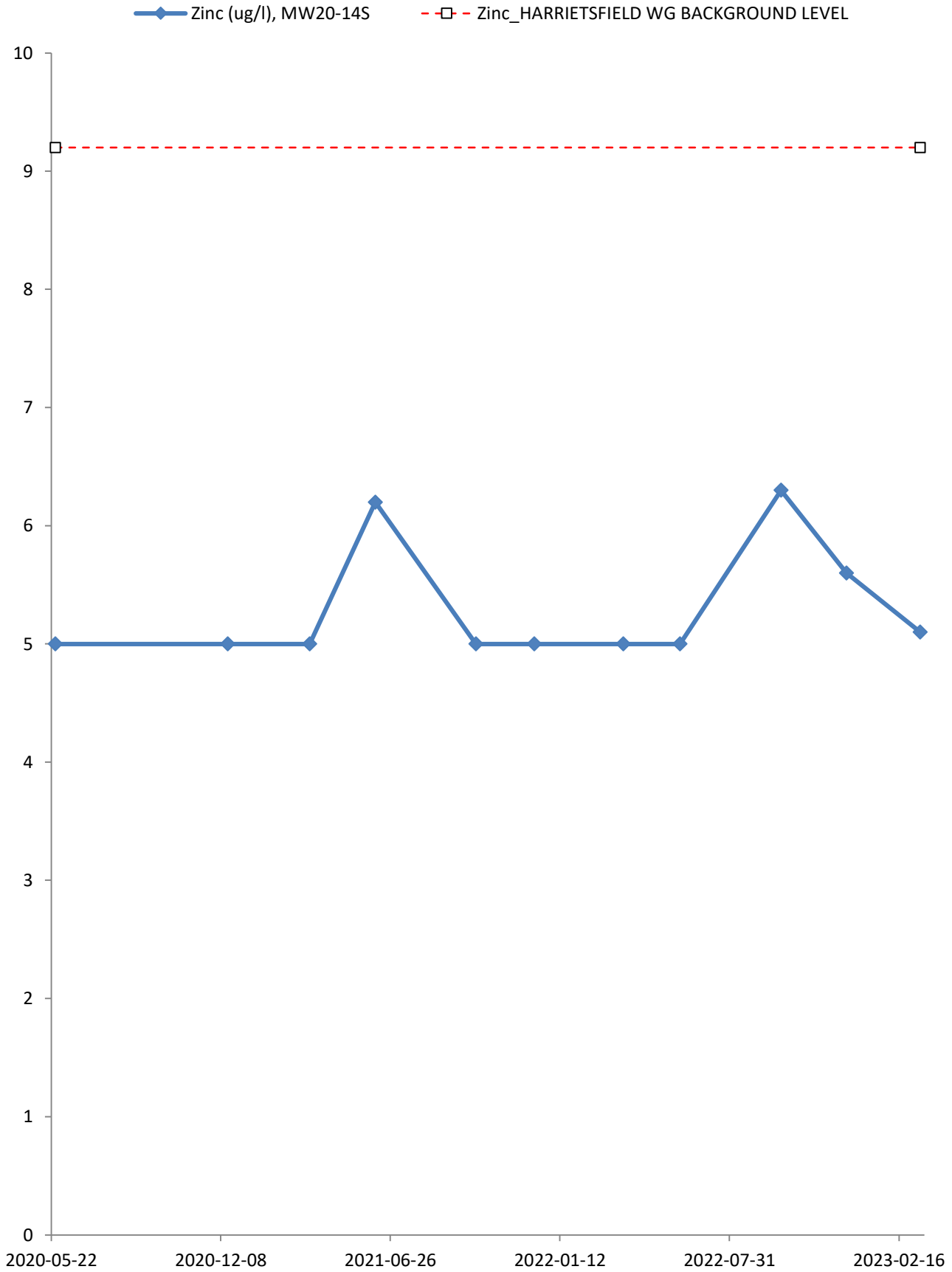




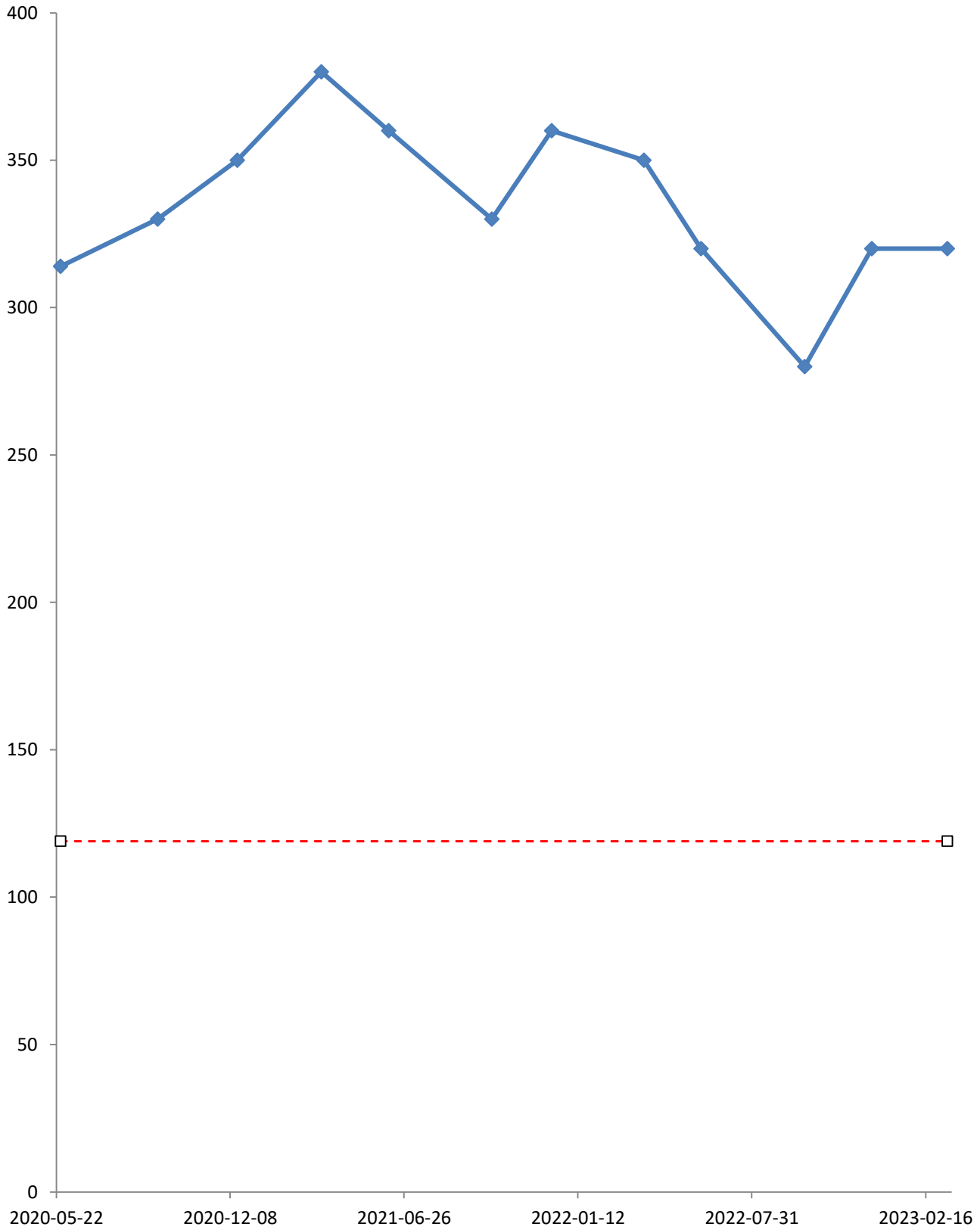




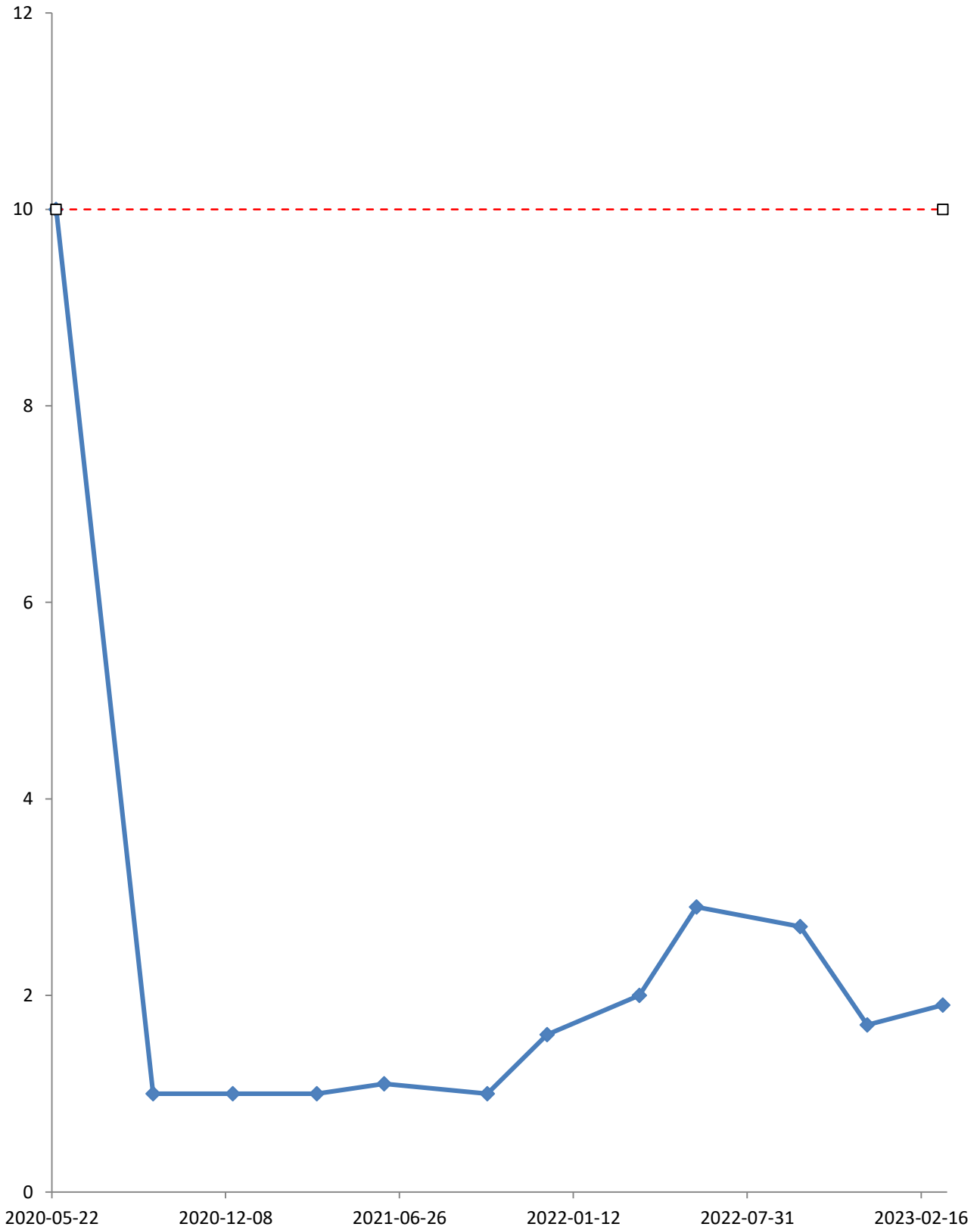


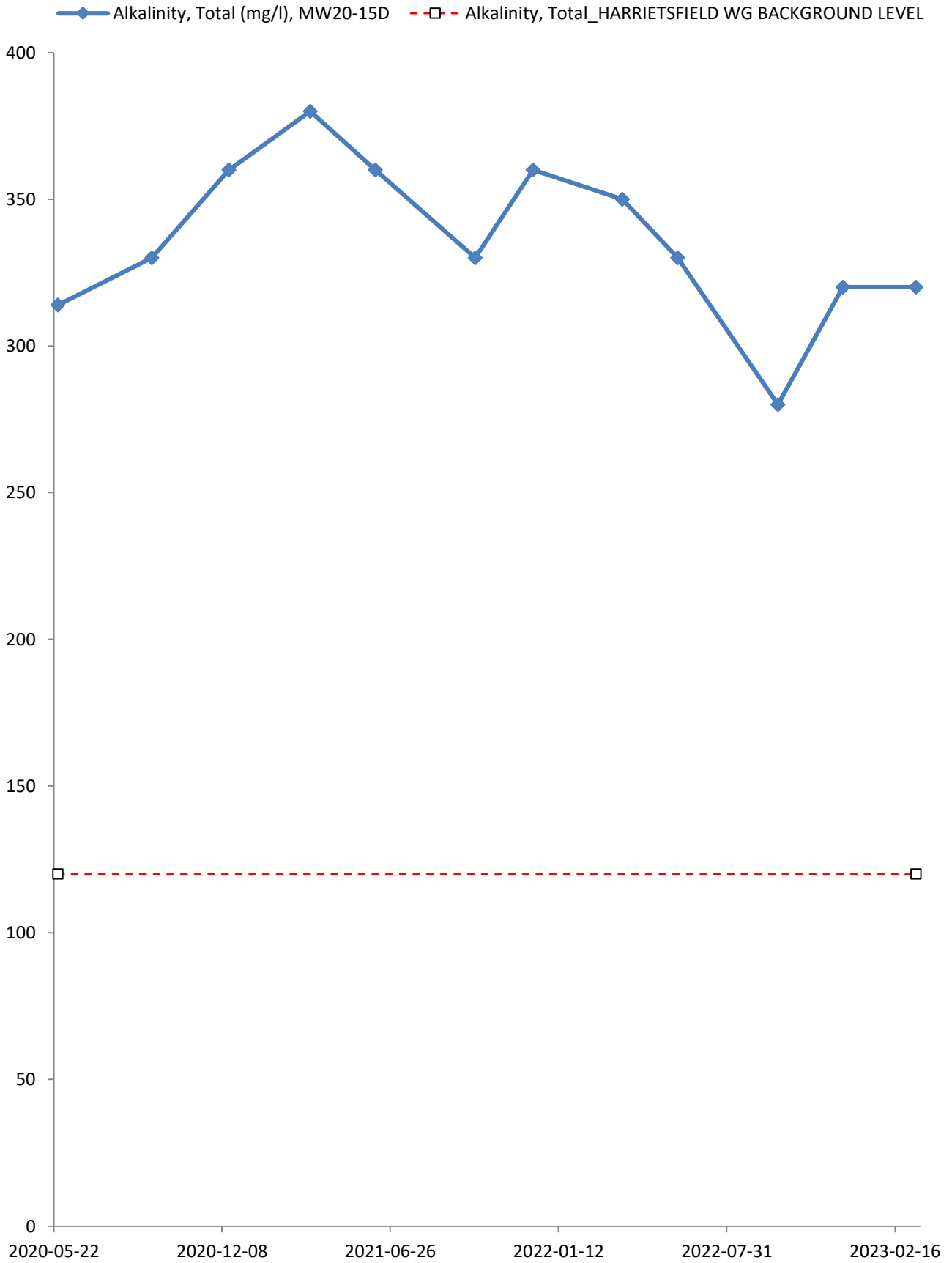


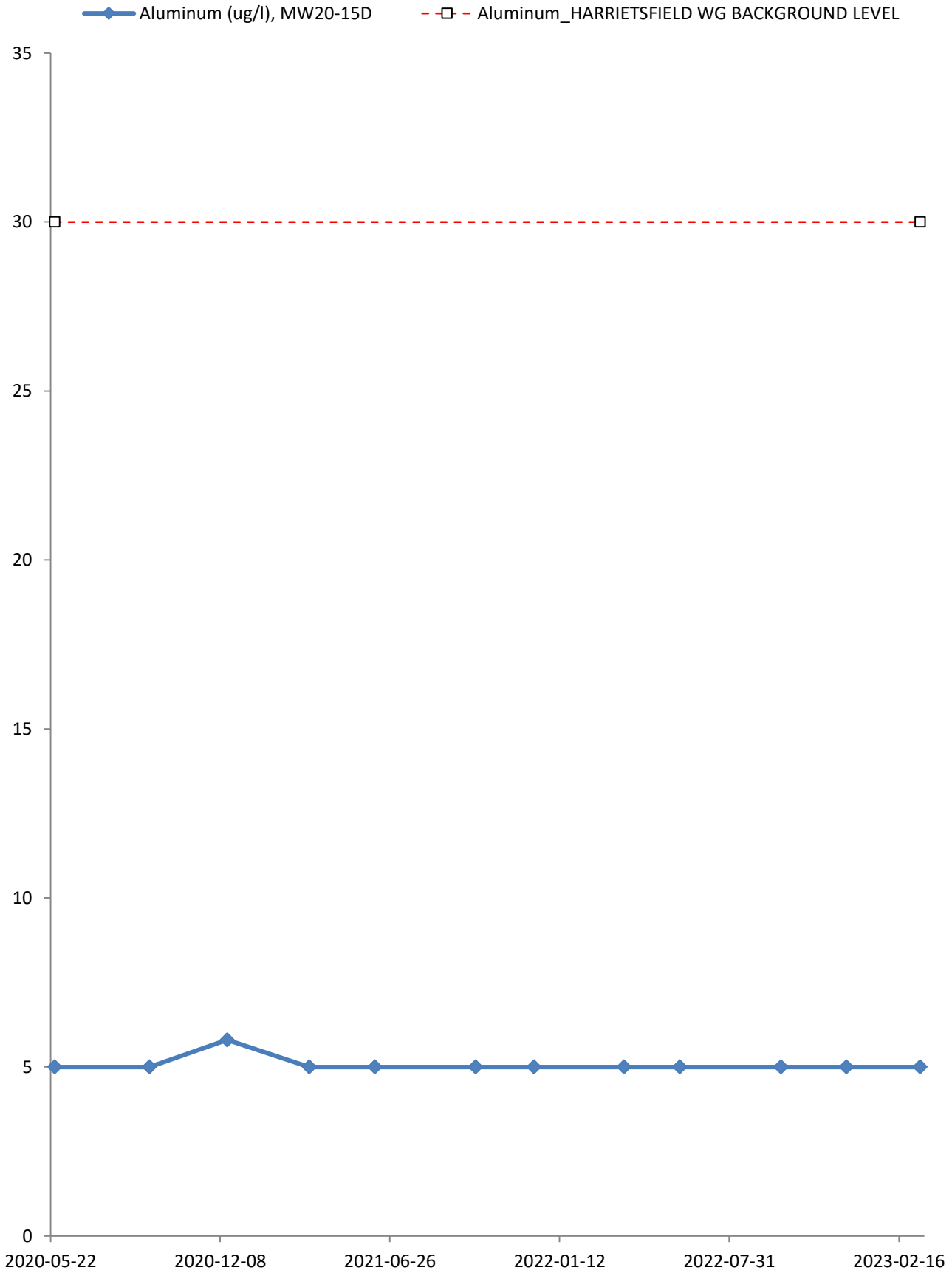
—◆— Alkalinity, Bicarbonate (mg/l), MW20-15D
- -□- Alkalinity, Bicarbonate_HARRIETSFIELD WG BACKGROUND LEVEL

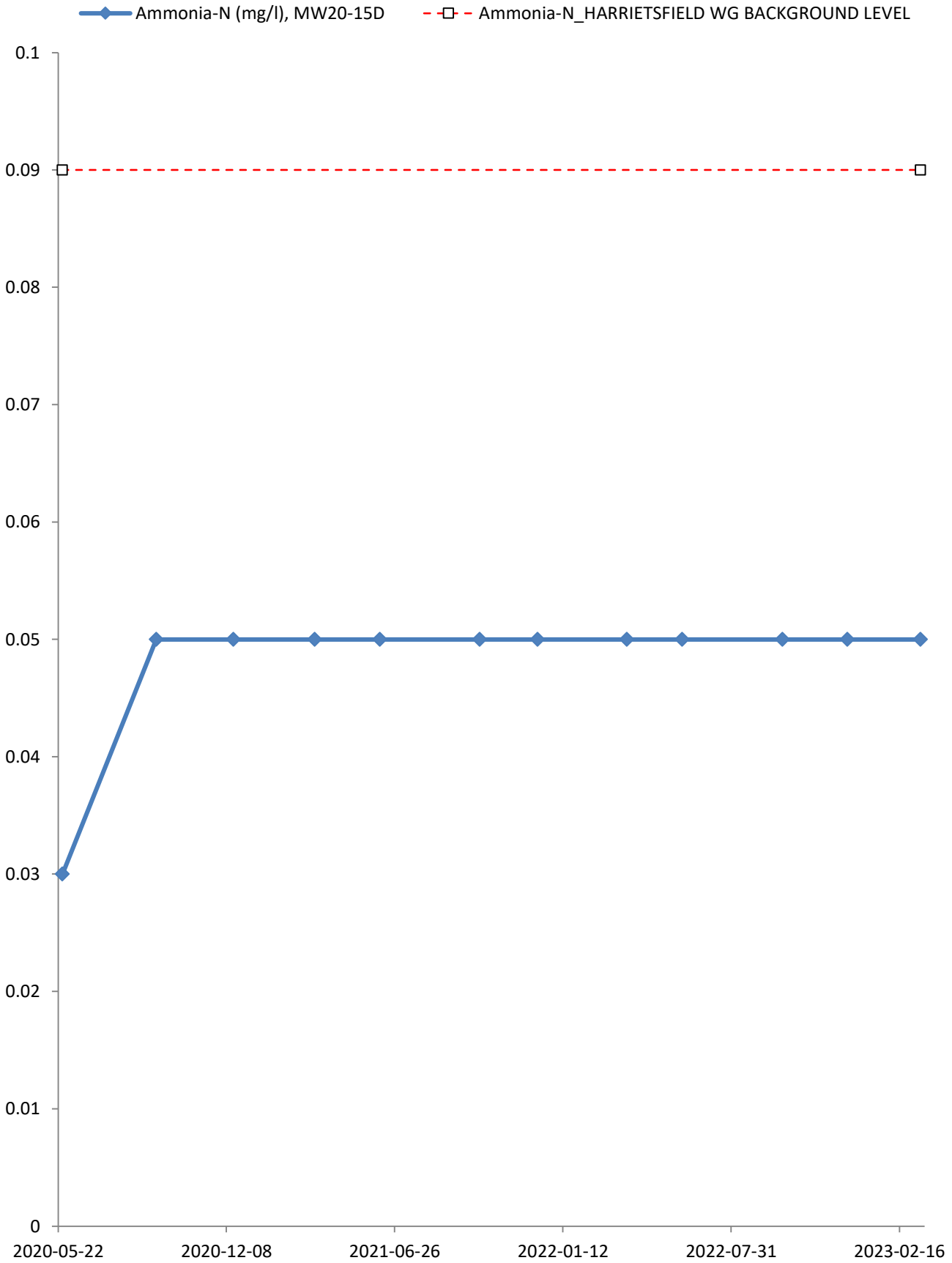


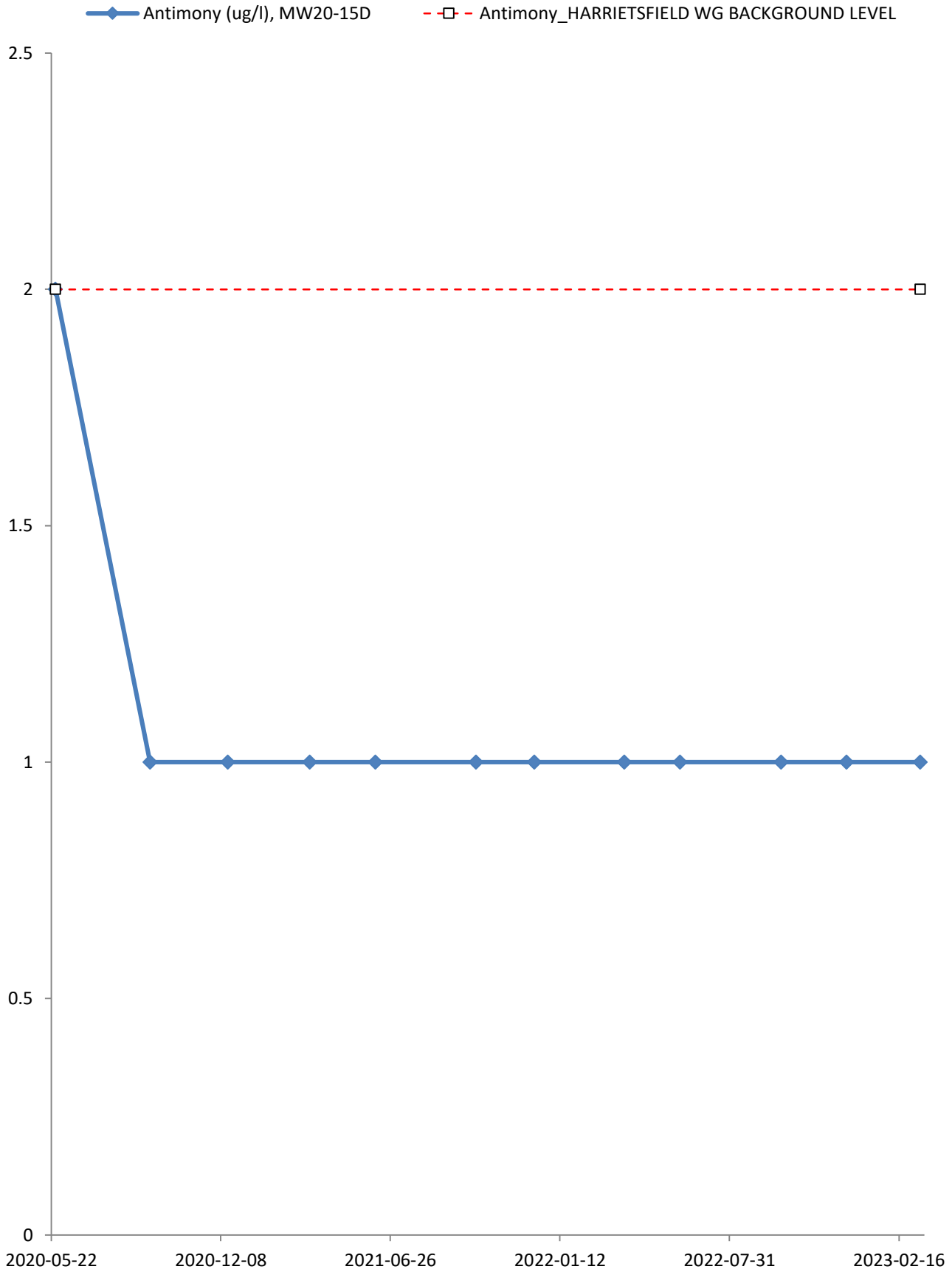
—◆— Alkalinity, Carbonate (mg/l), MW20-15D
- -□- - Alkalinity, Carbonate_HARRIETSFIELD WG BACKGROUND LEVEL

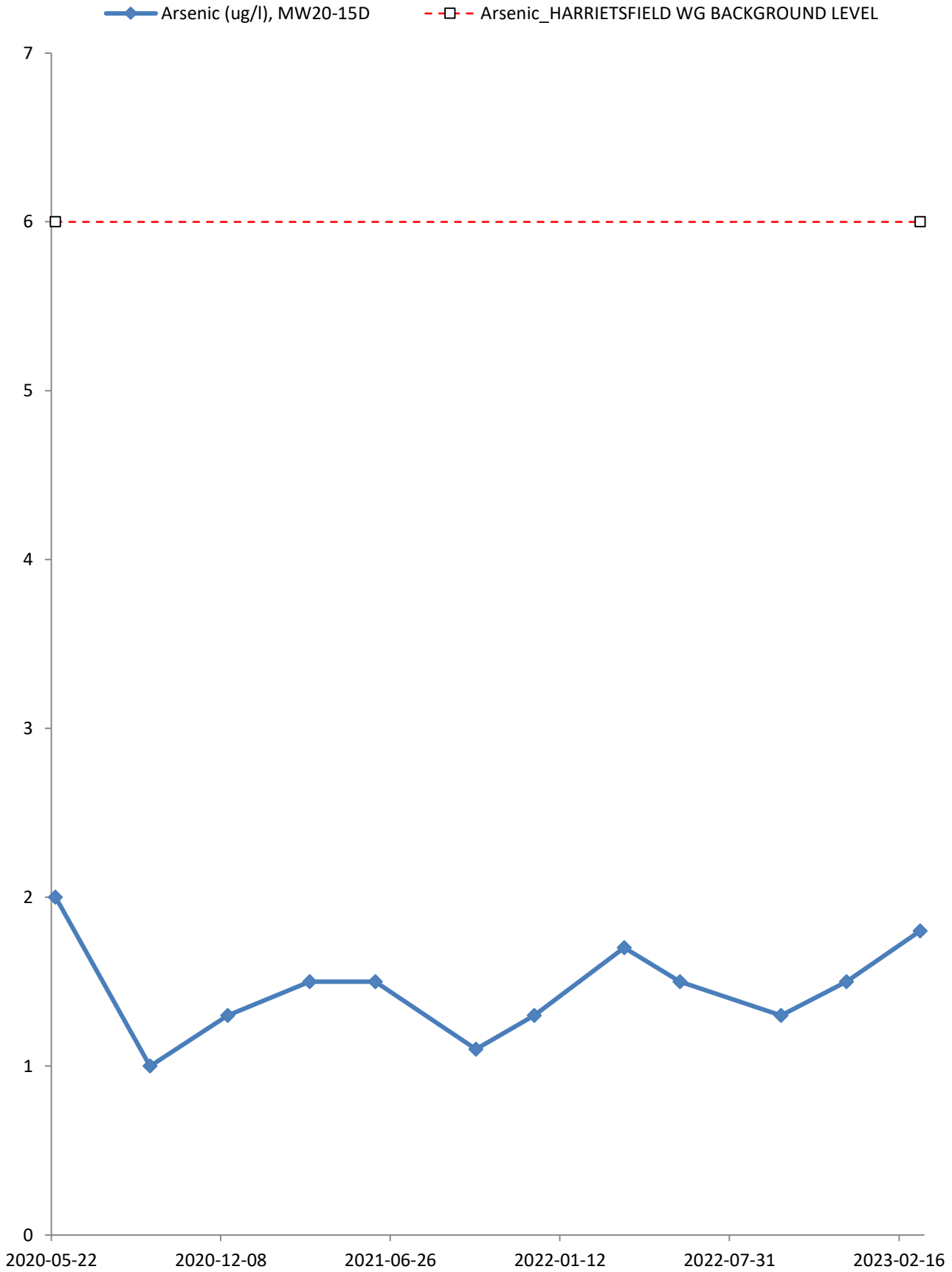


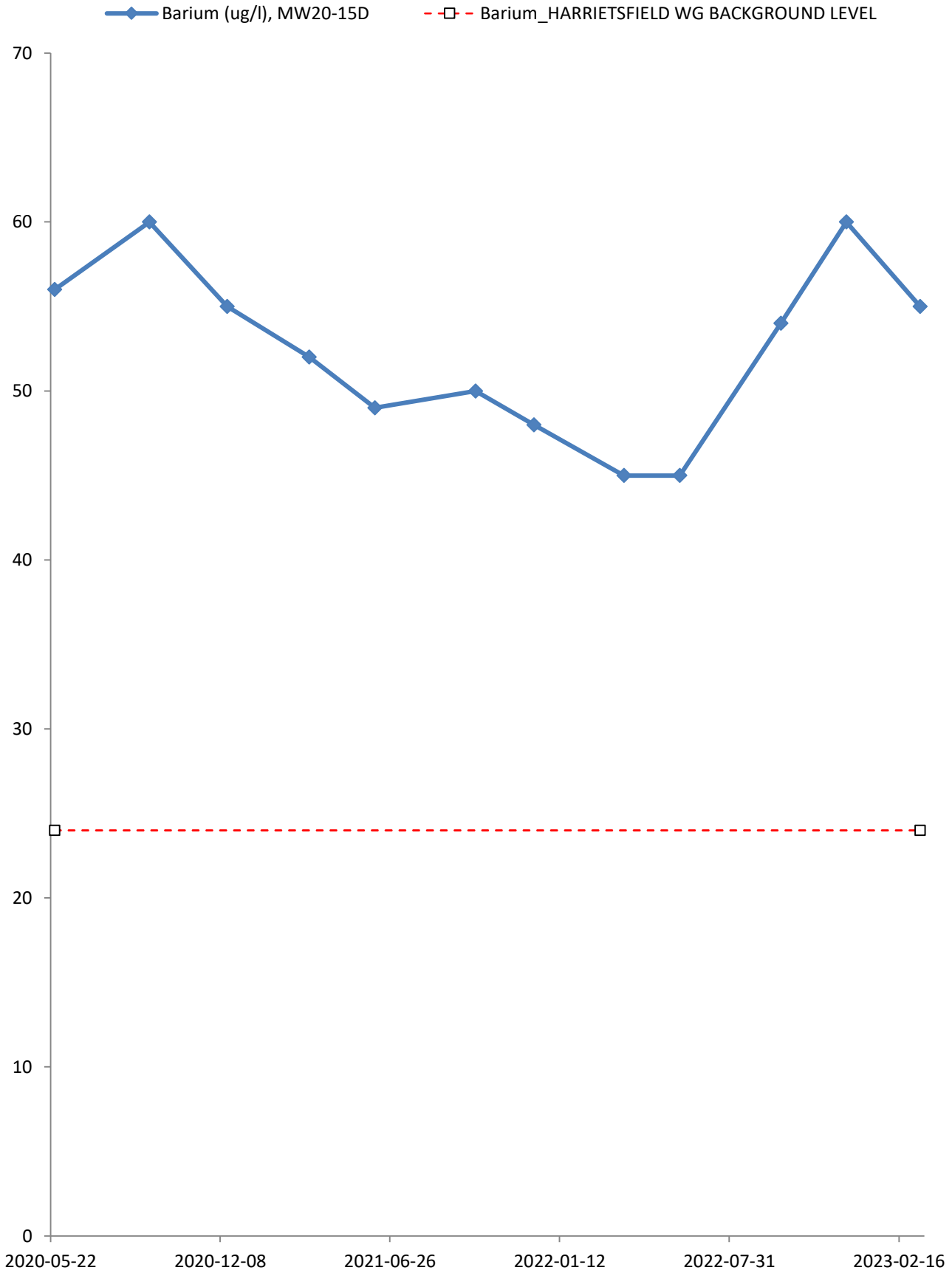


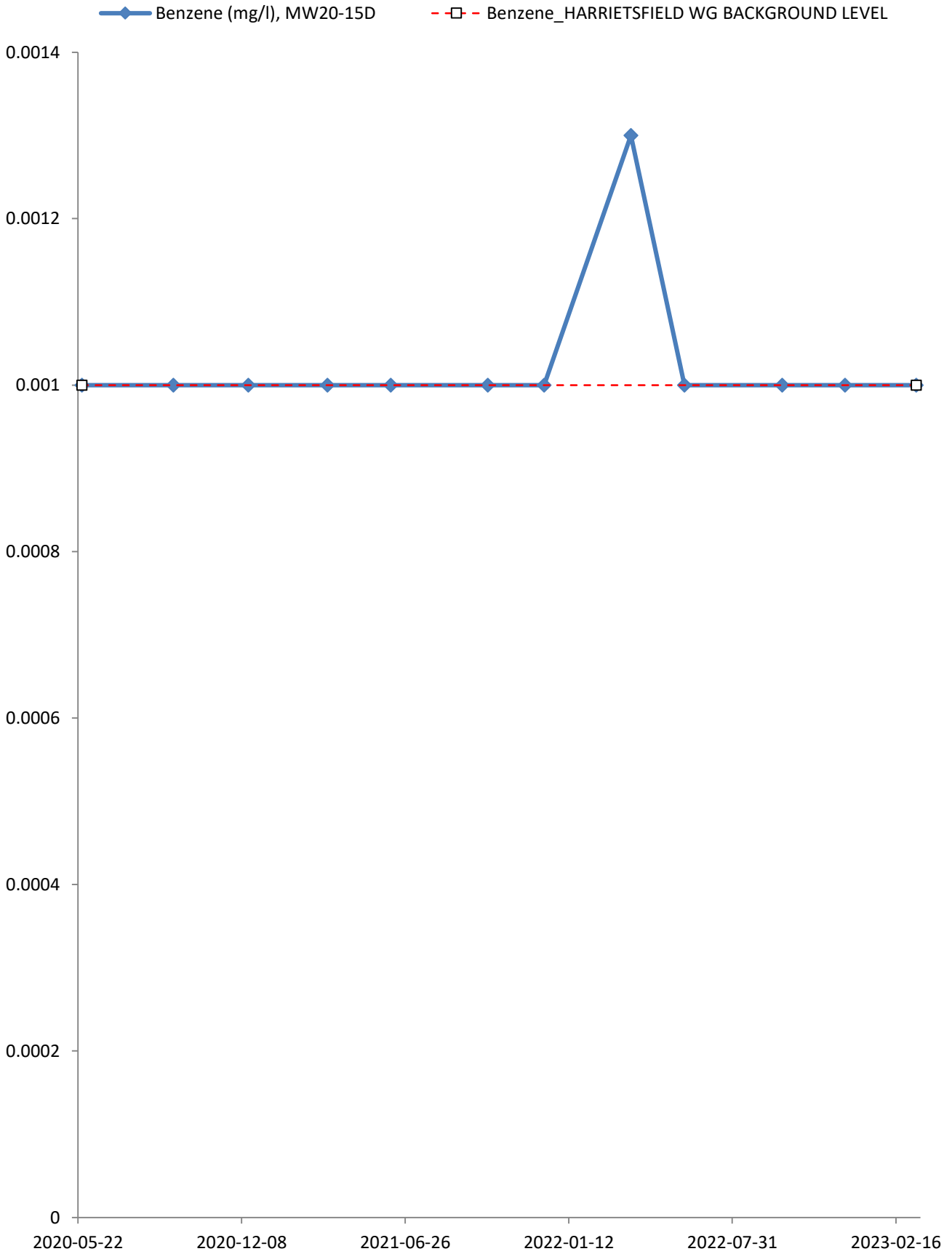


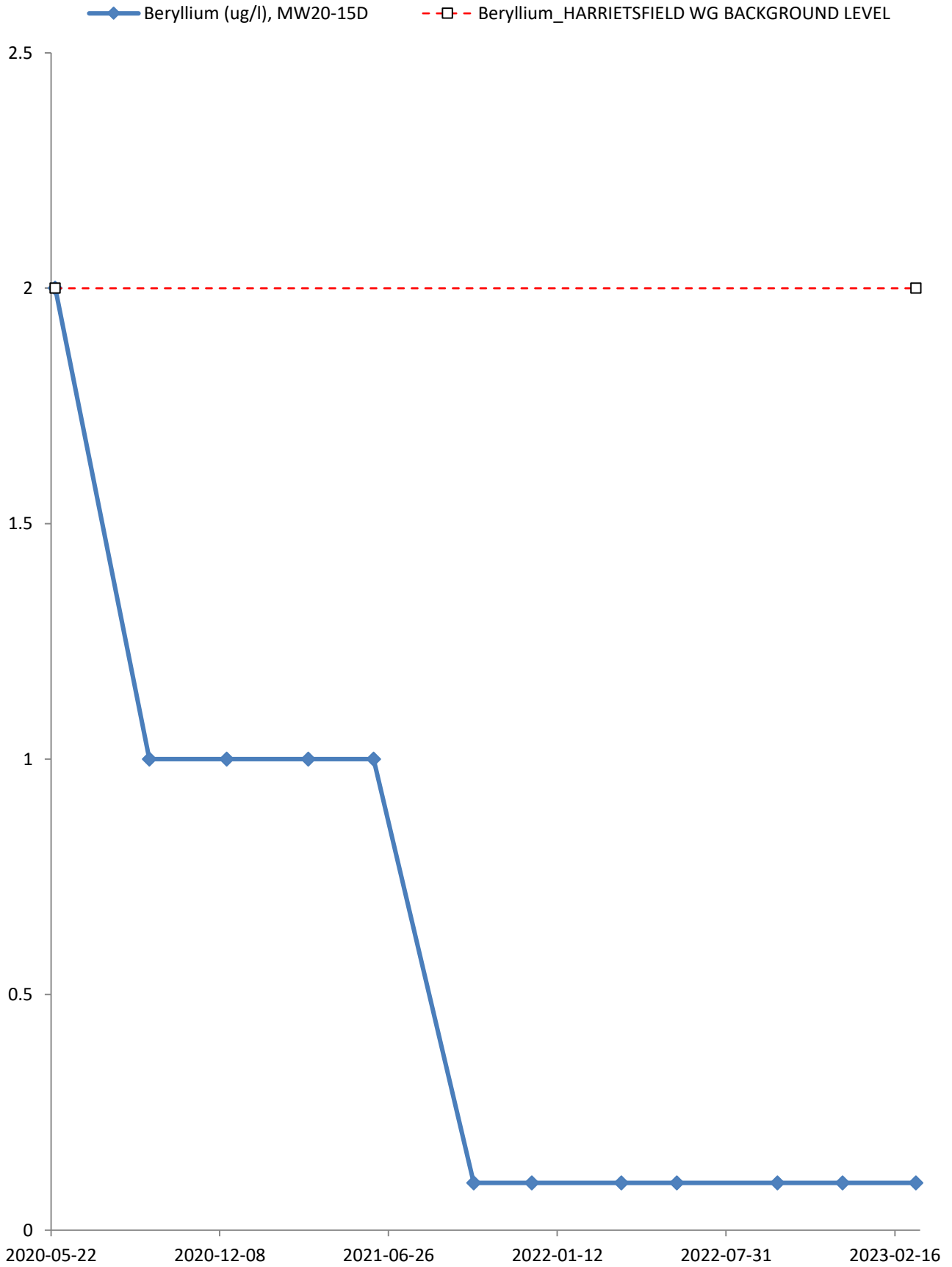


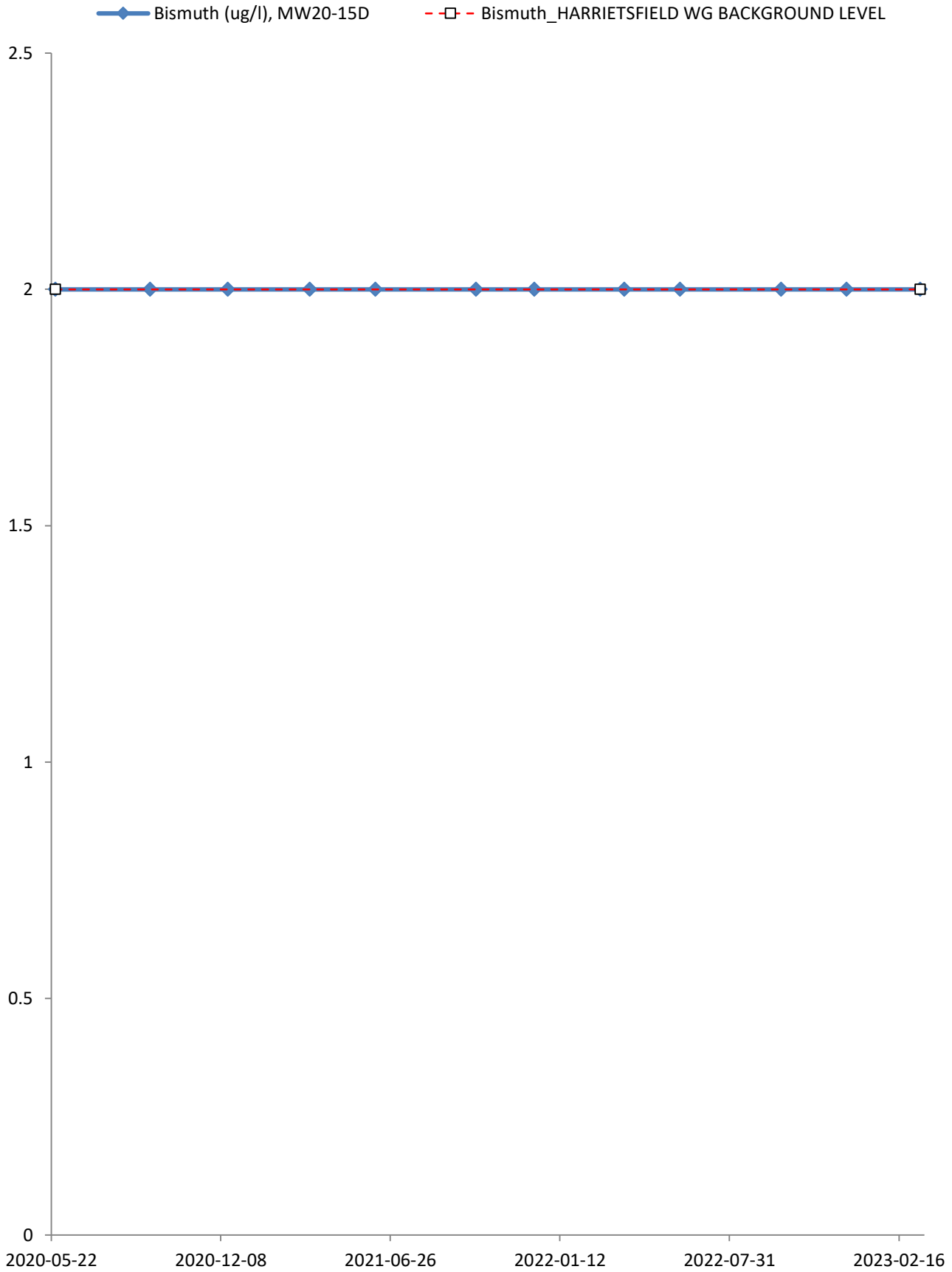


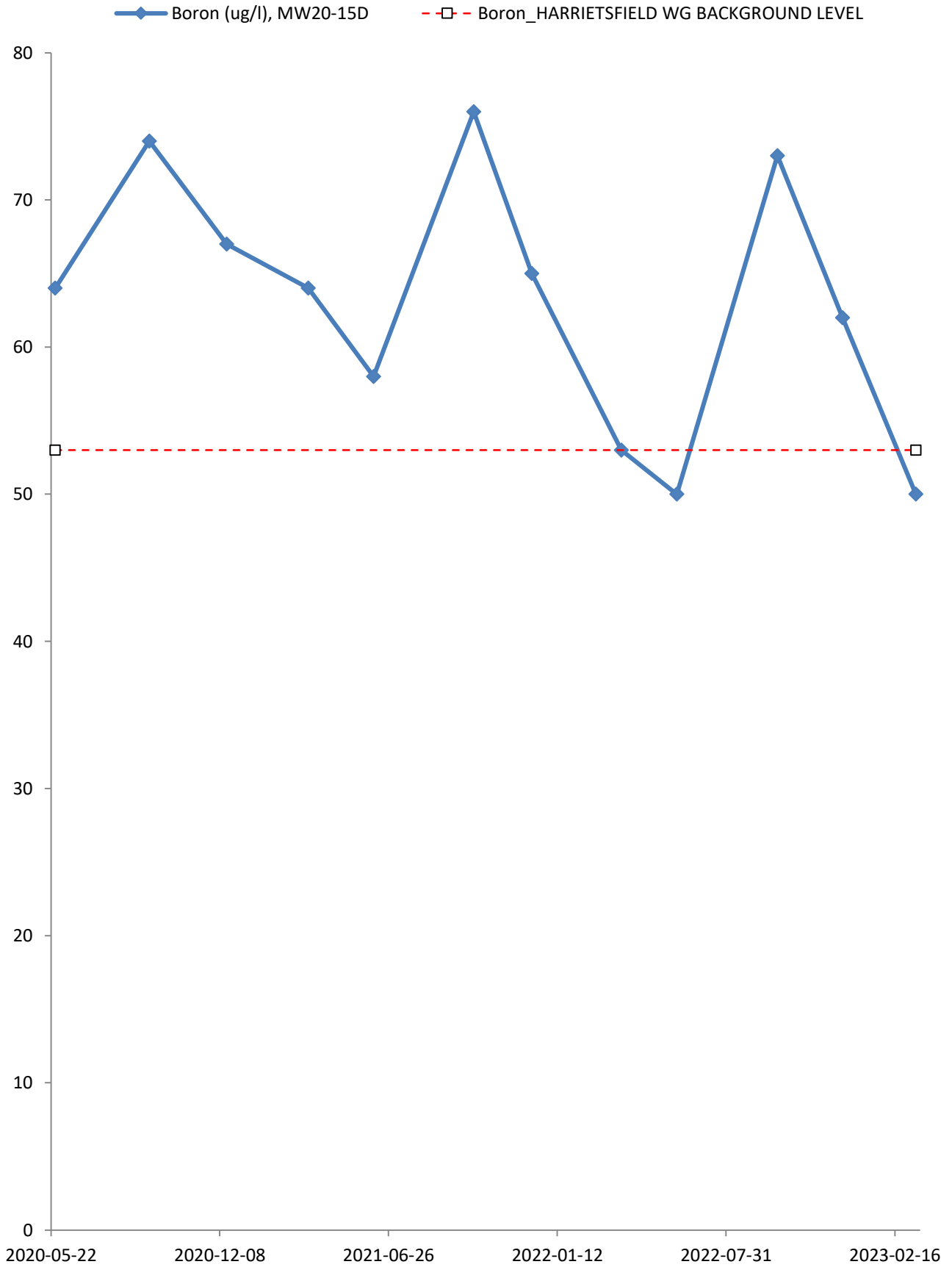


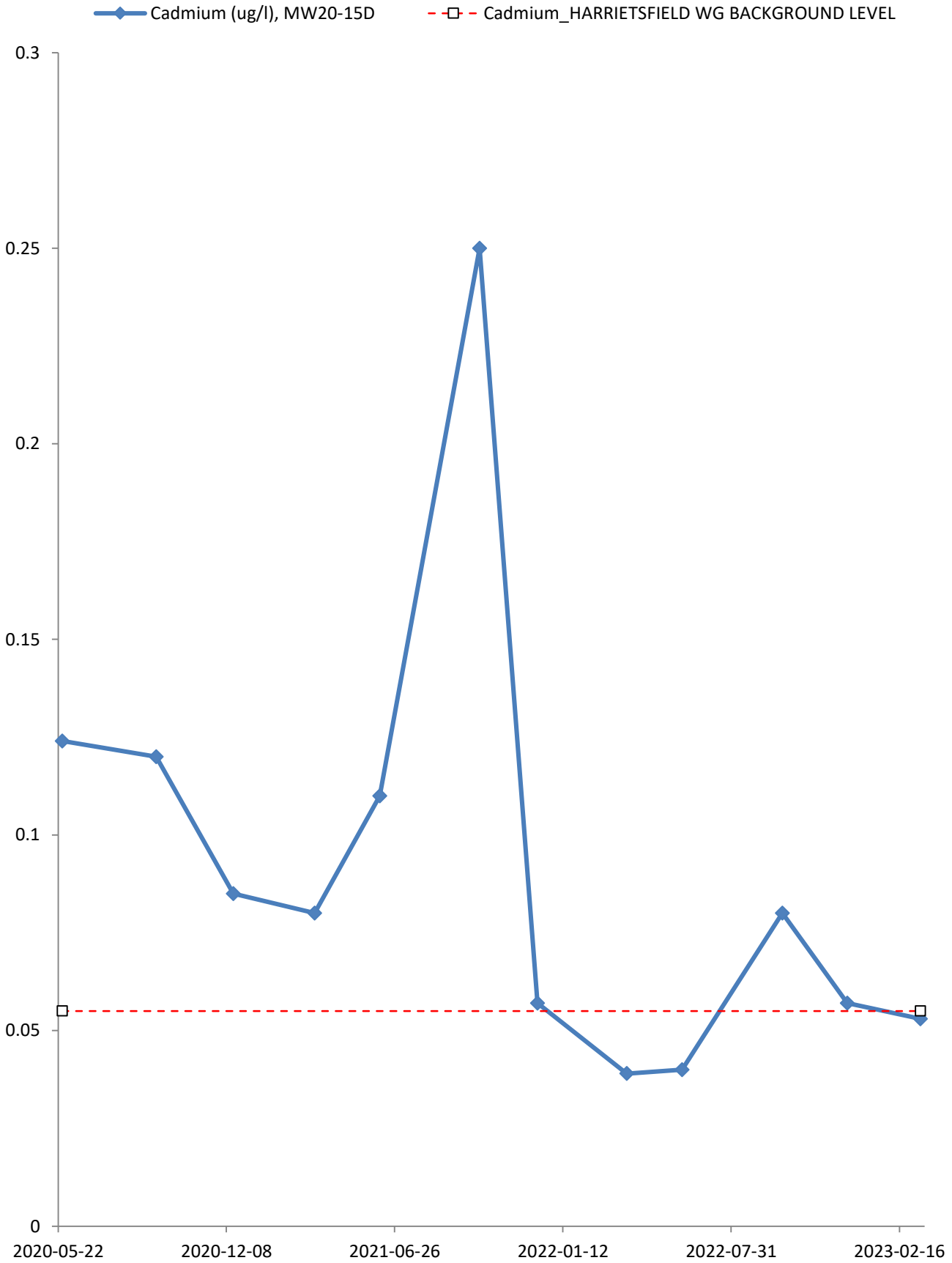


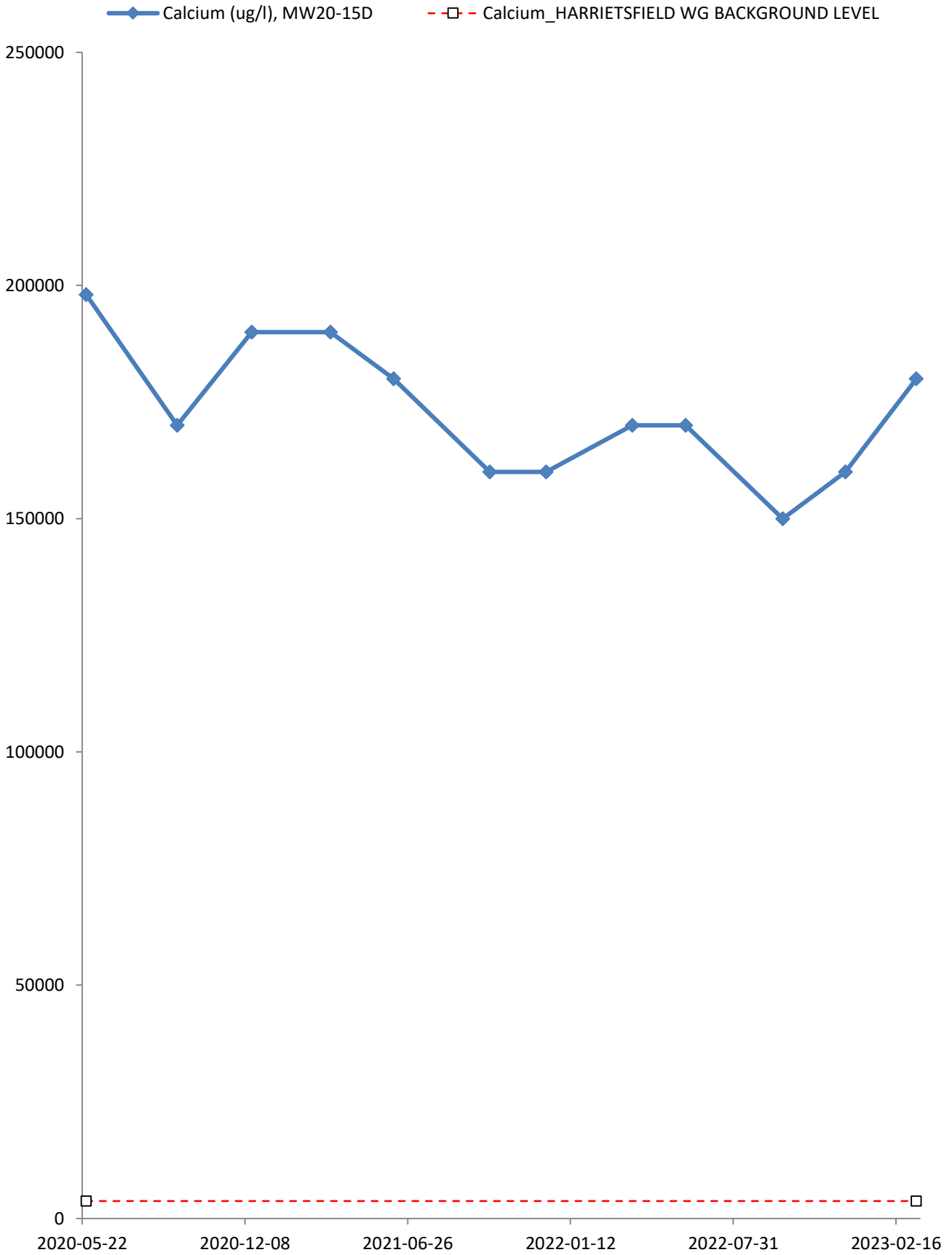




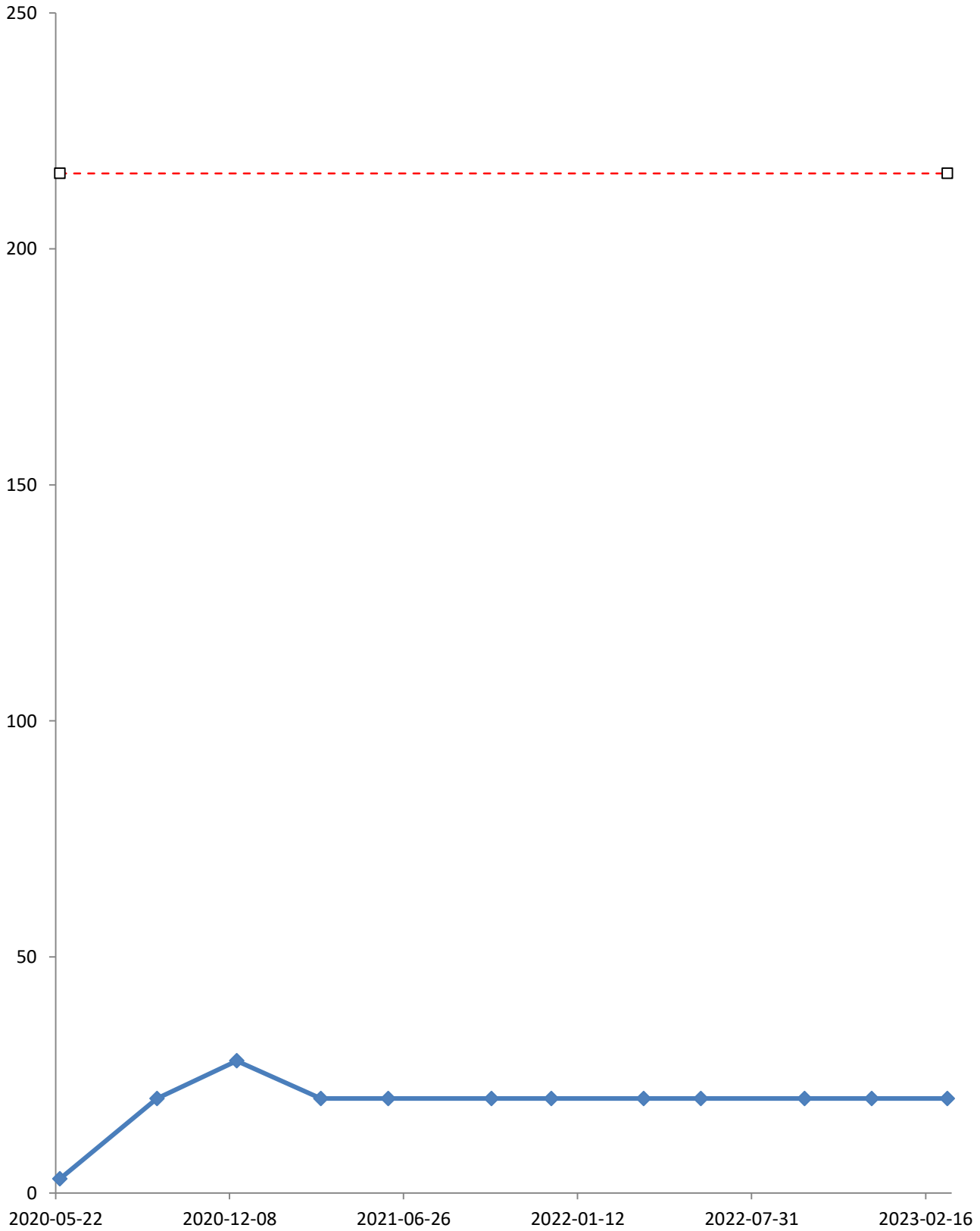


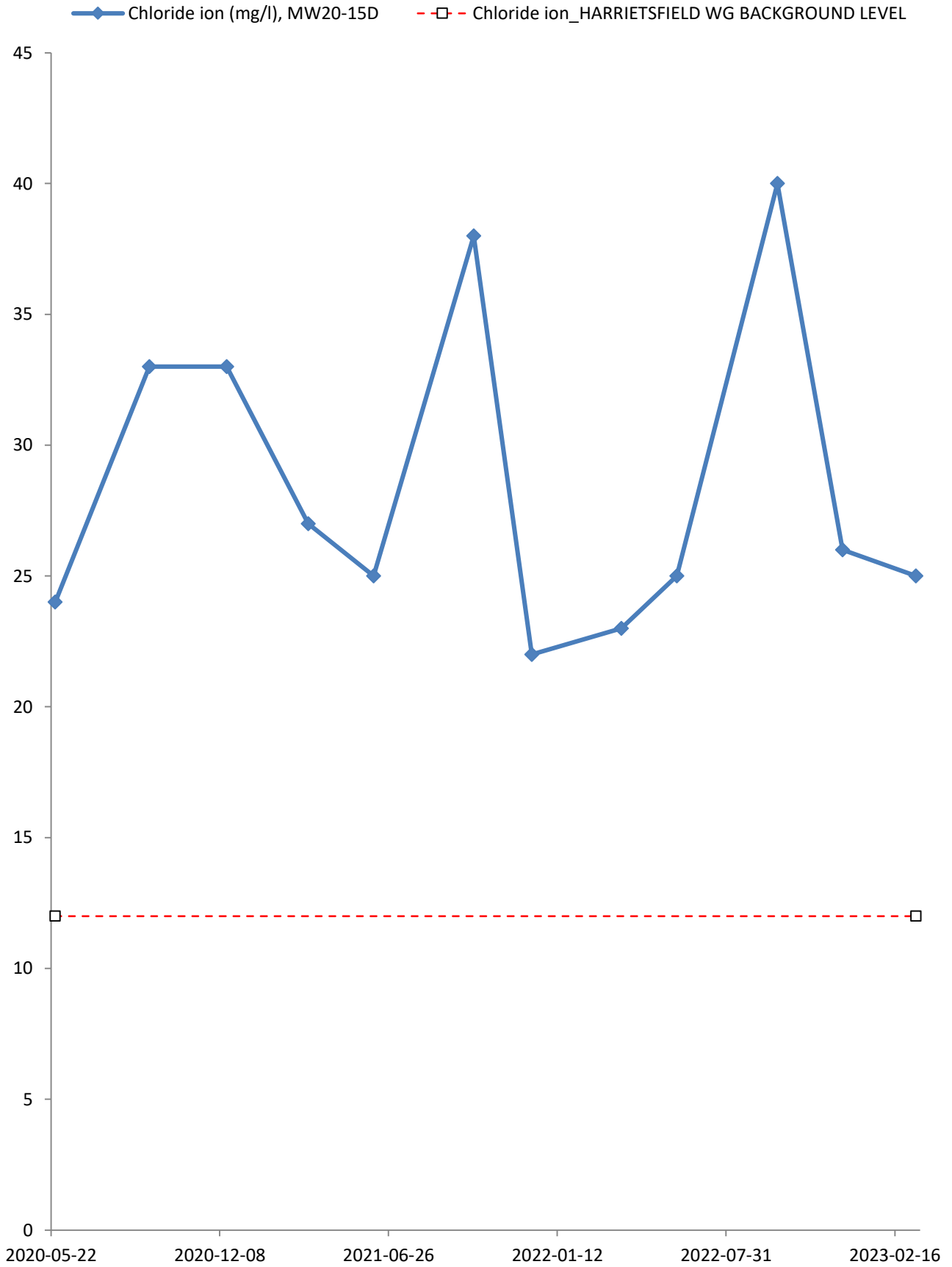


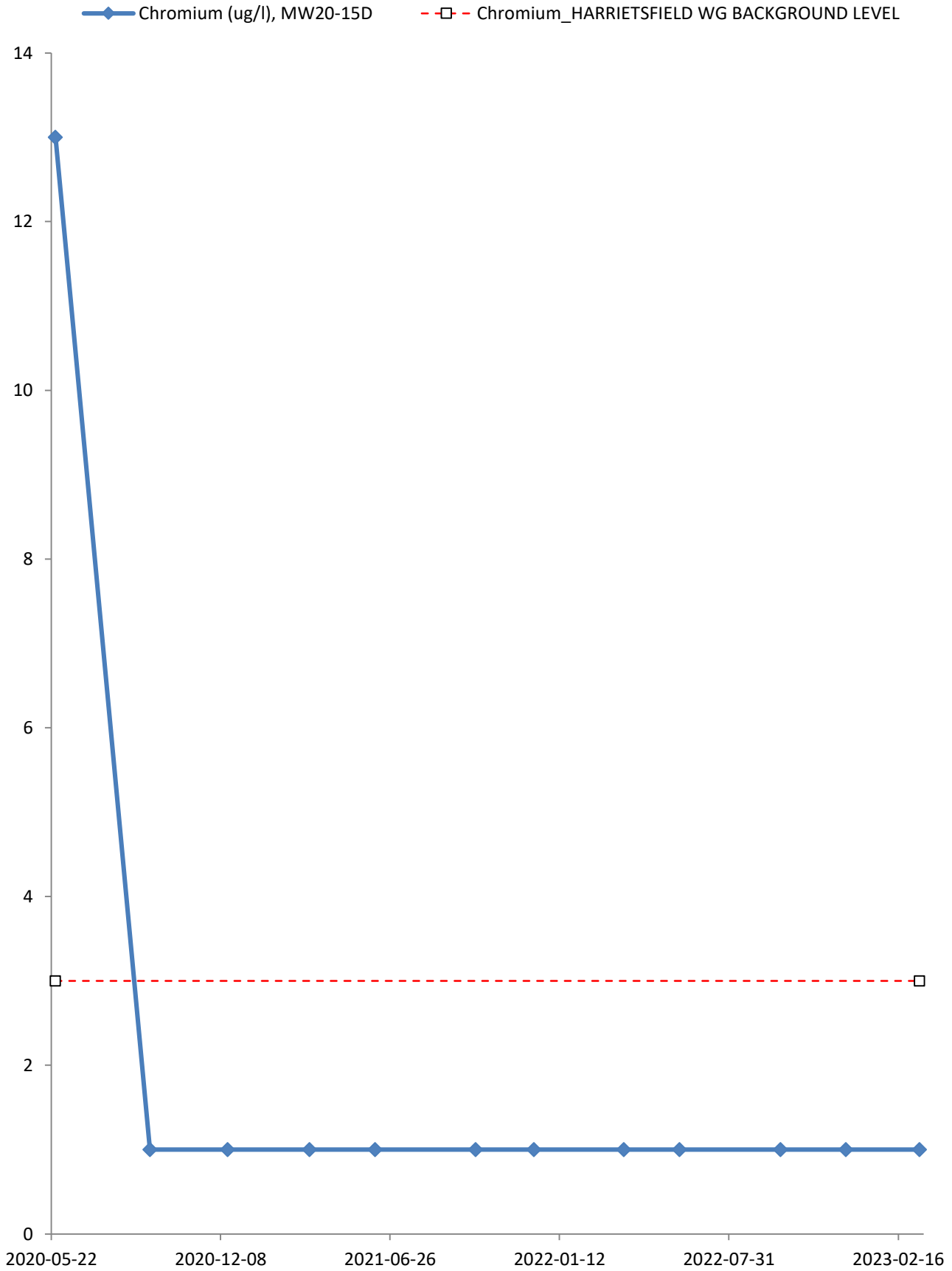


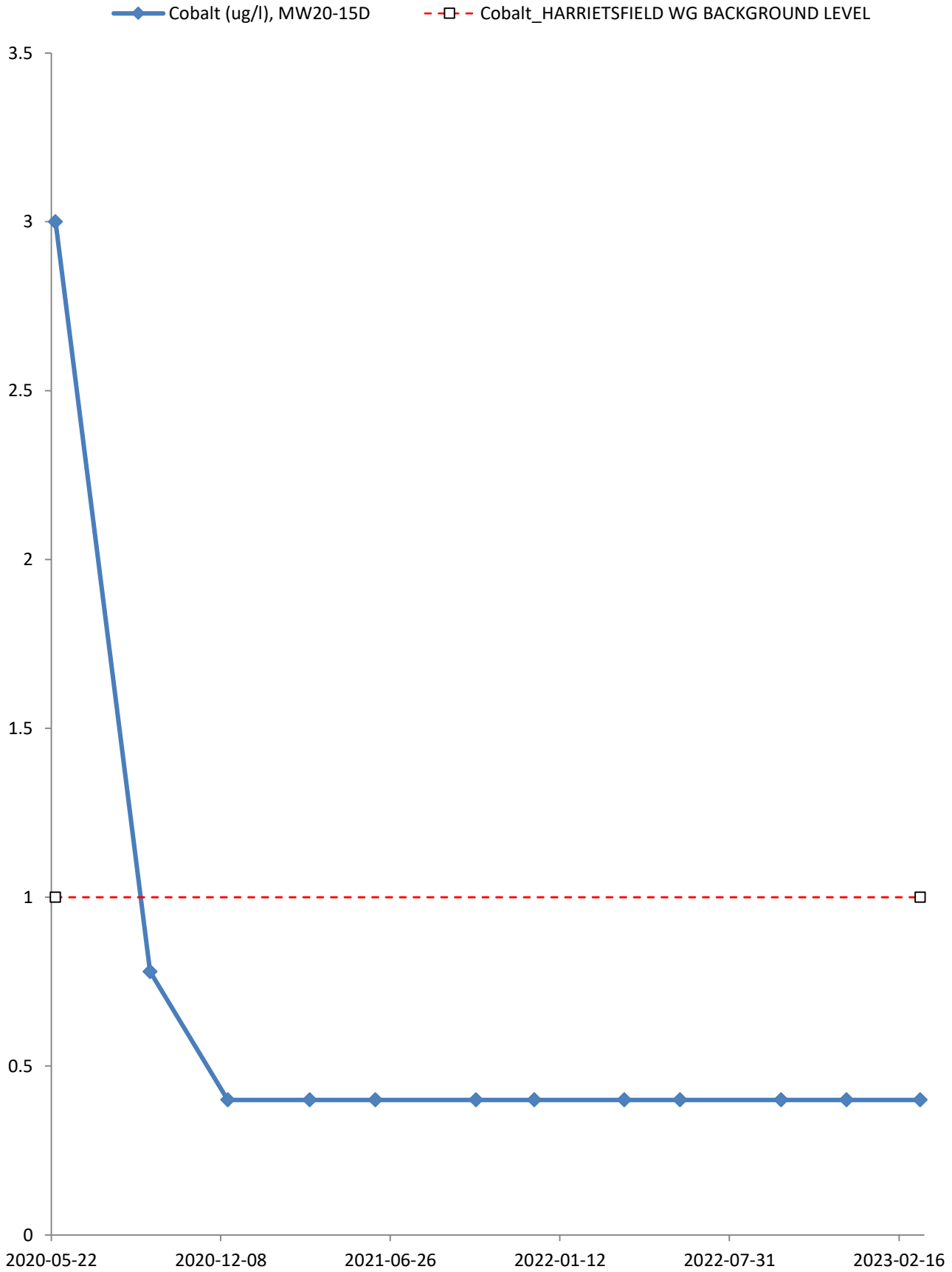


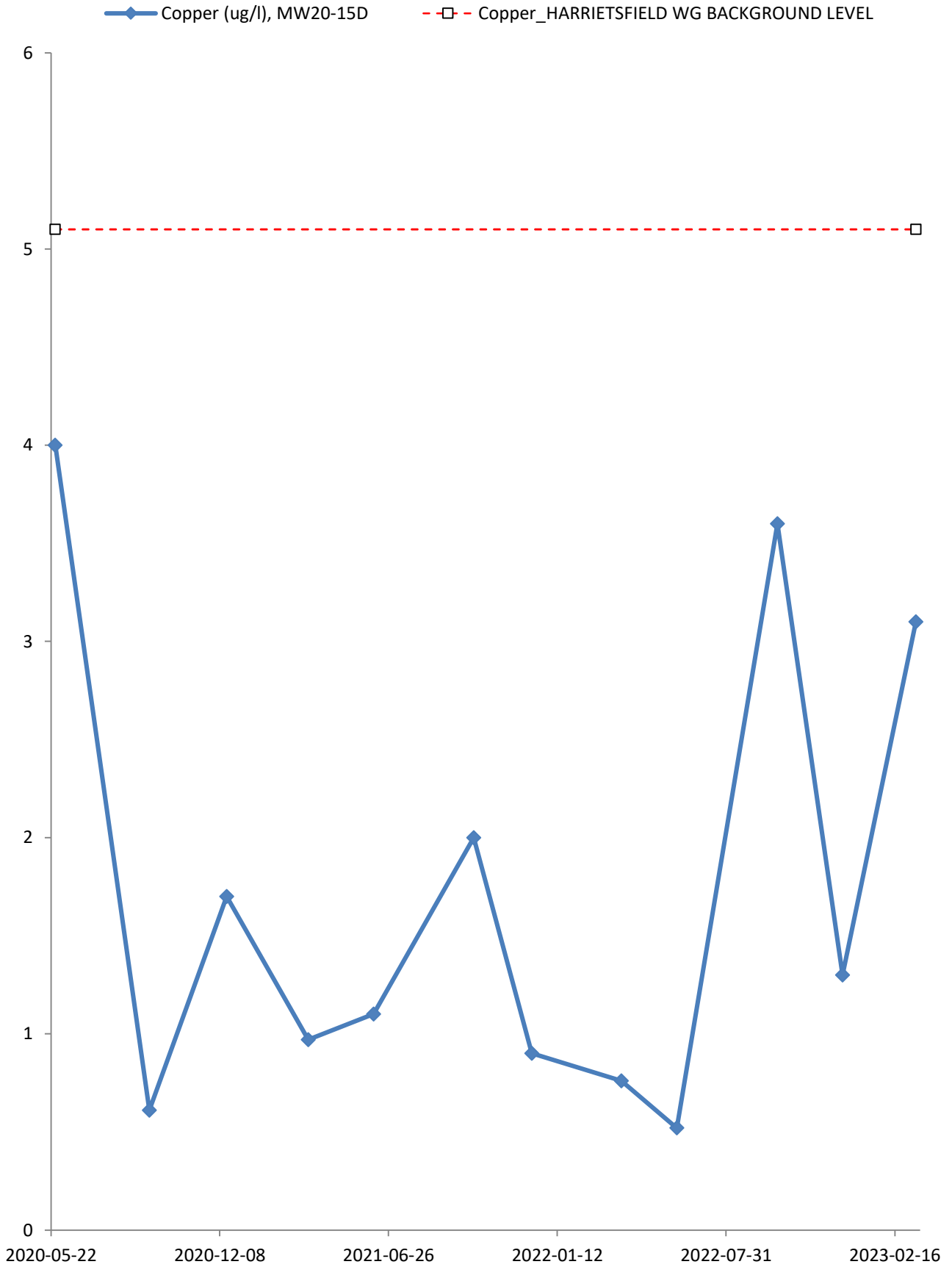
—◆— Chemical Oxygen Demand (mg/l), MW20-15D
- -□- - Chemical Oxygen Demand_HARRIETSFIELD WG BACKGROUND LEVEL



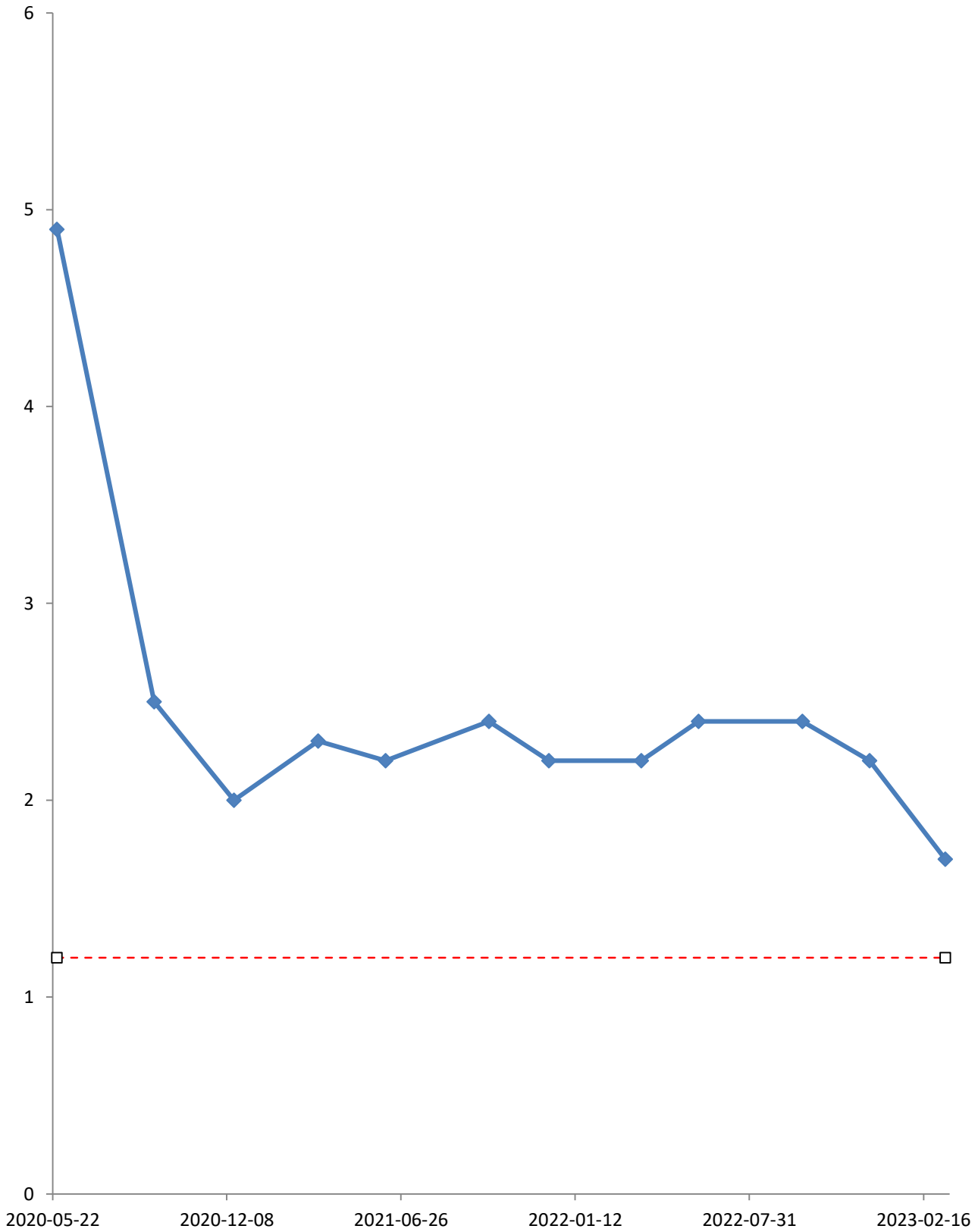


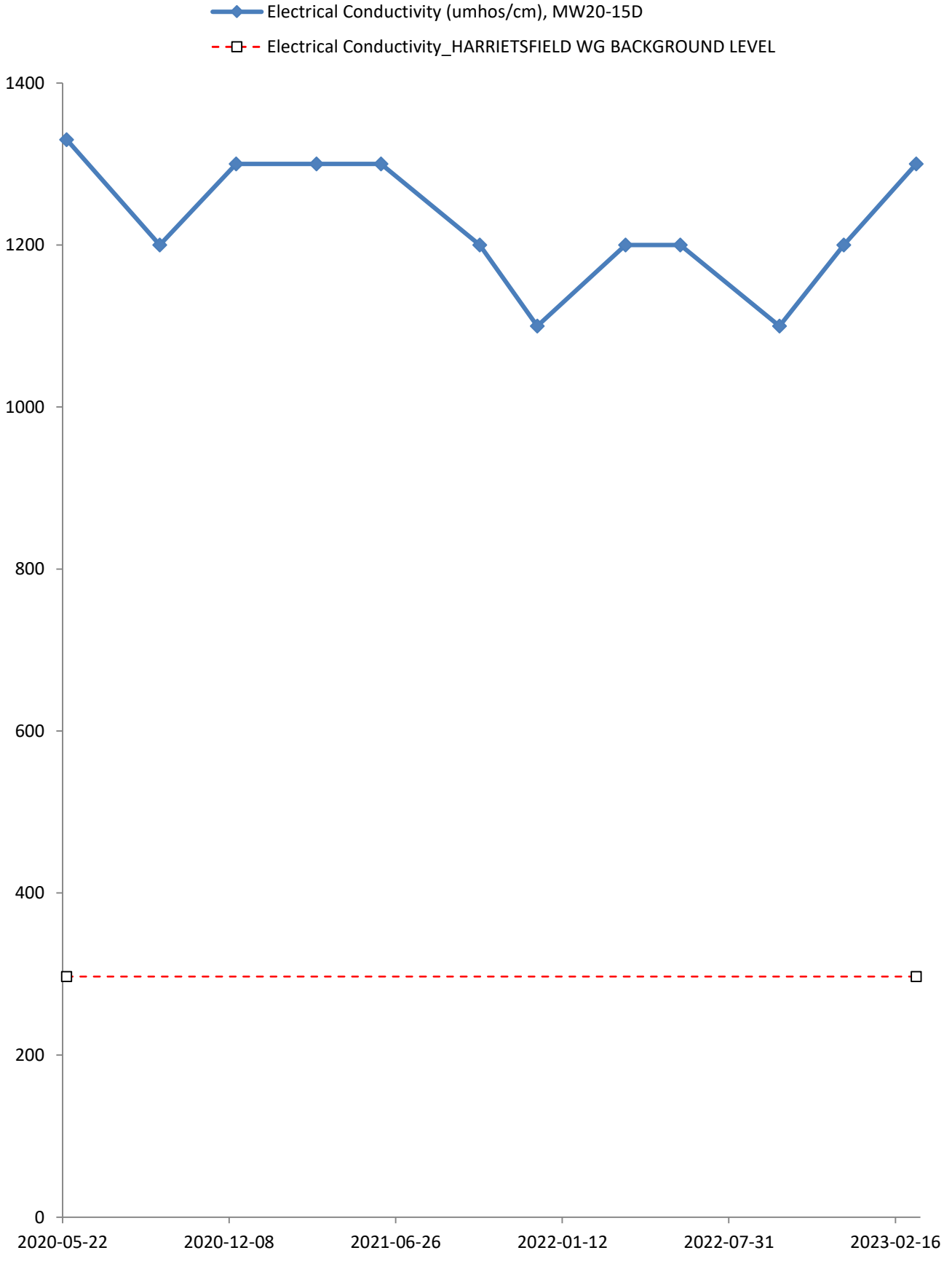


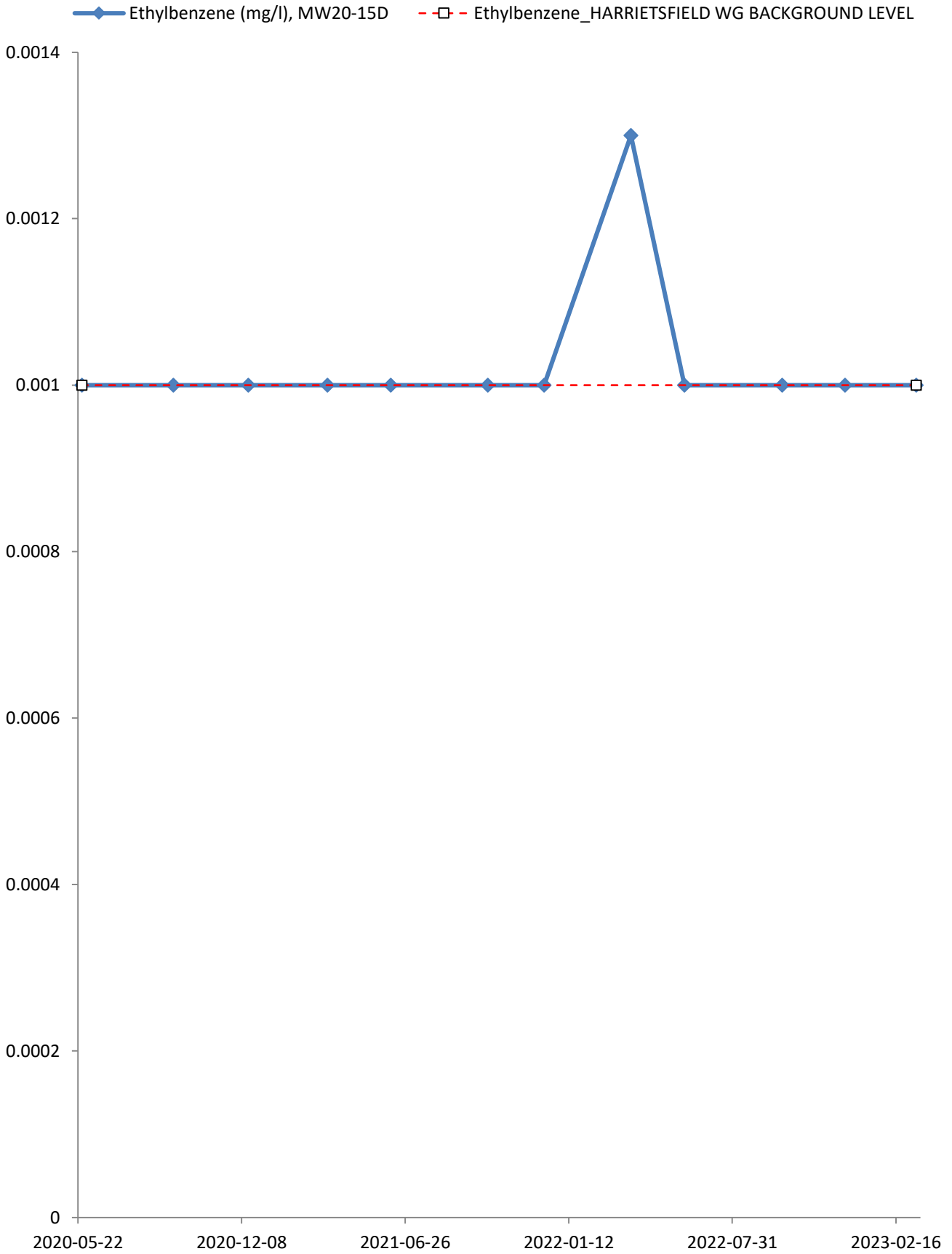




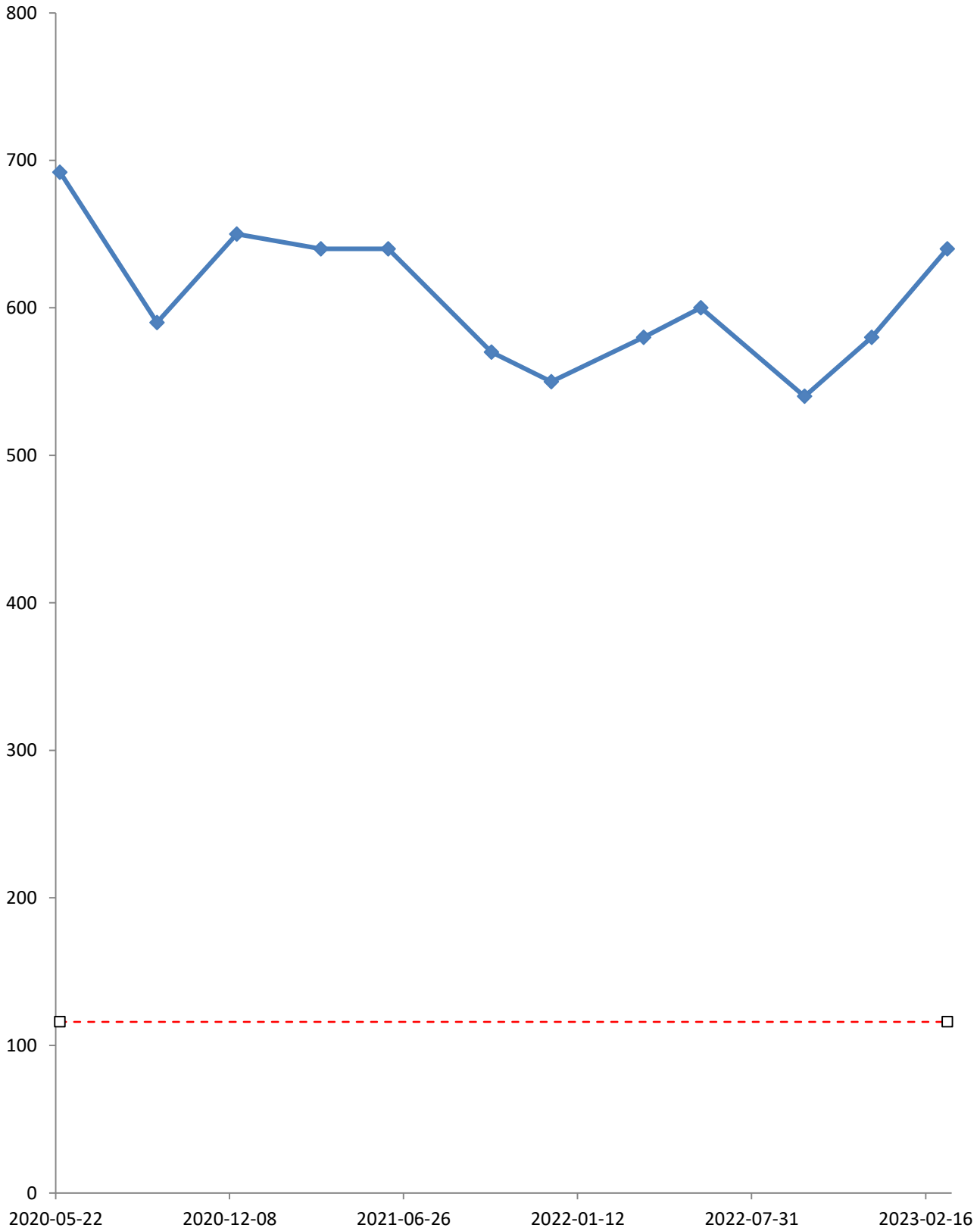
◆ Dissolved Organic Carbon (DOC) (mg/l), MW20-15D
-□- Dissolved Organic Carbon (DOC)_HARRIETSFIELD WG BACKGROUND LEVEL

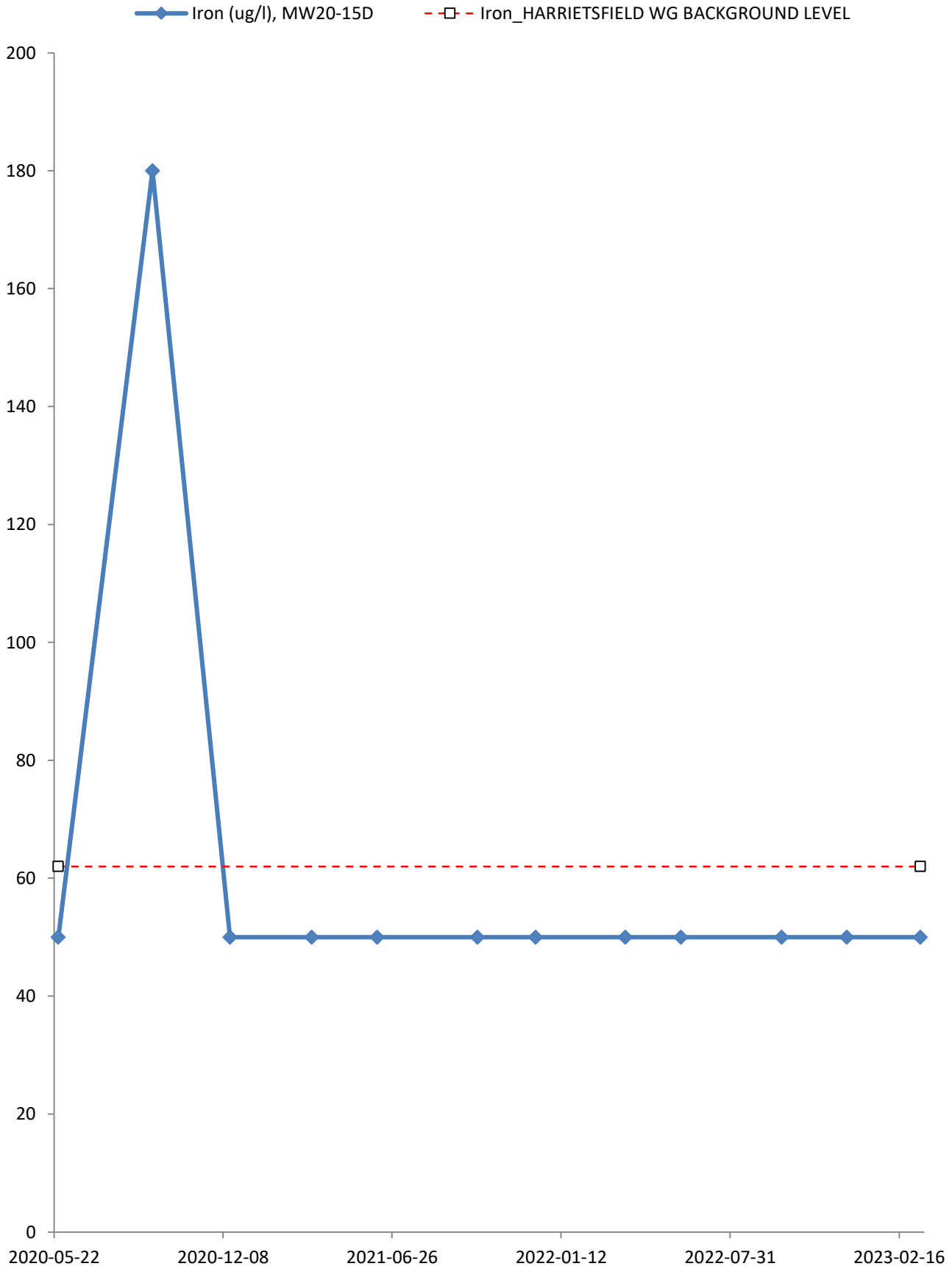


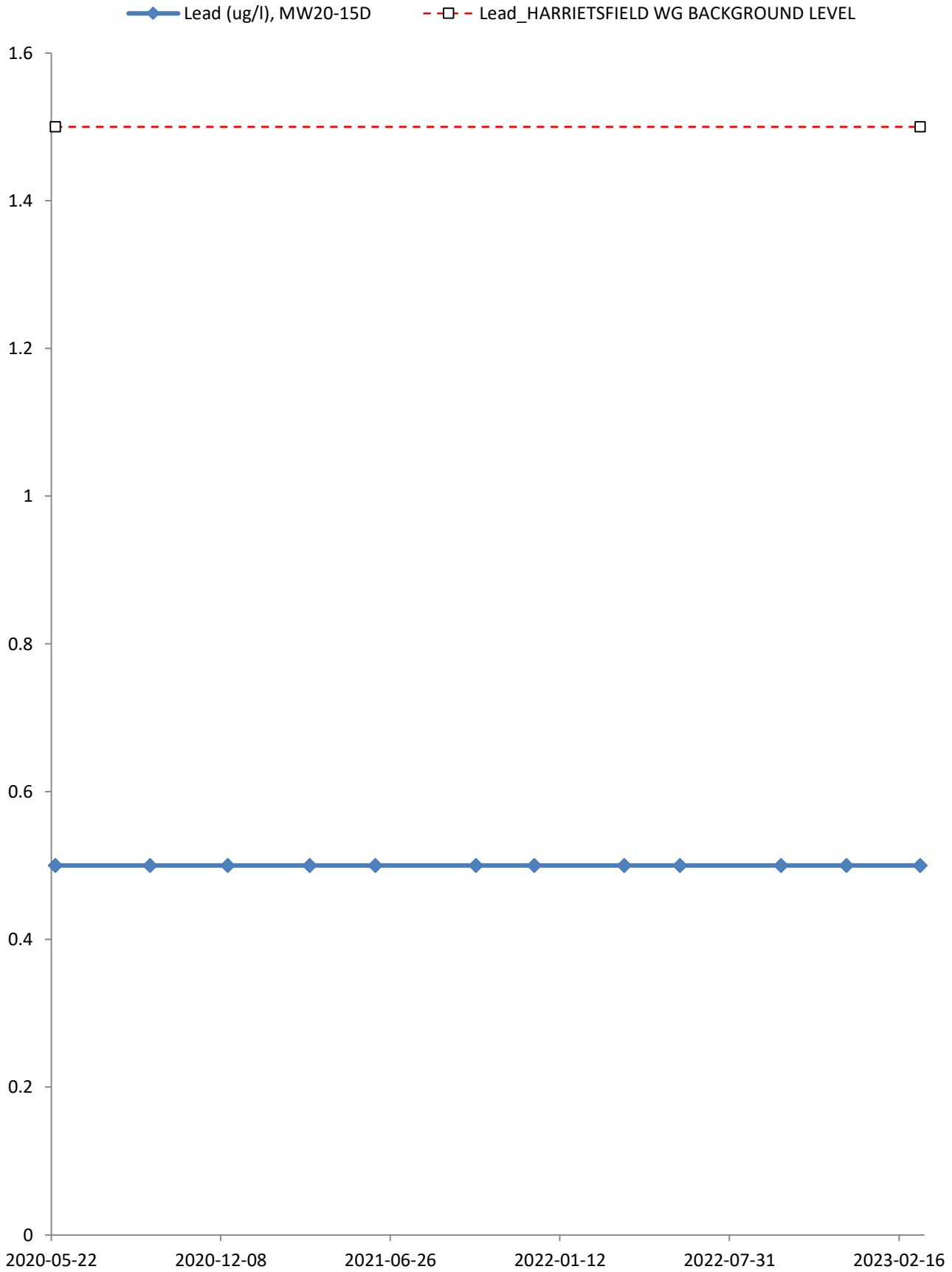


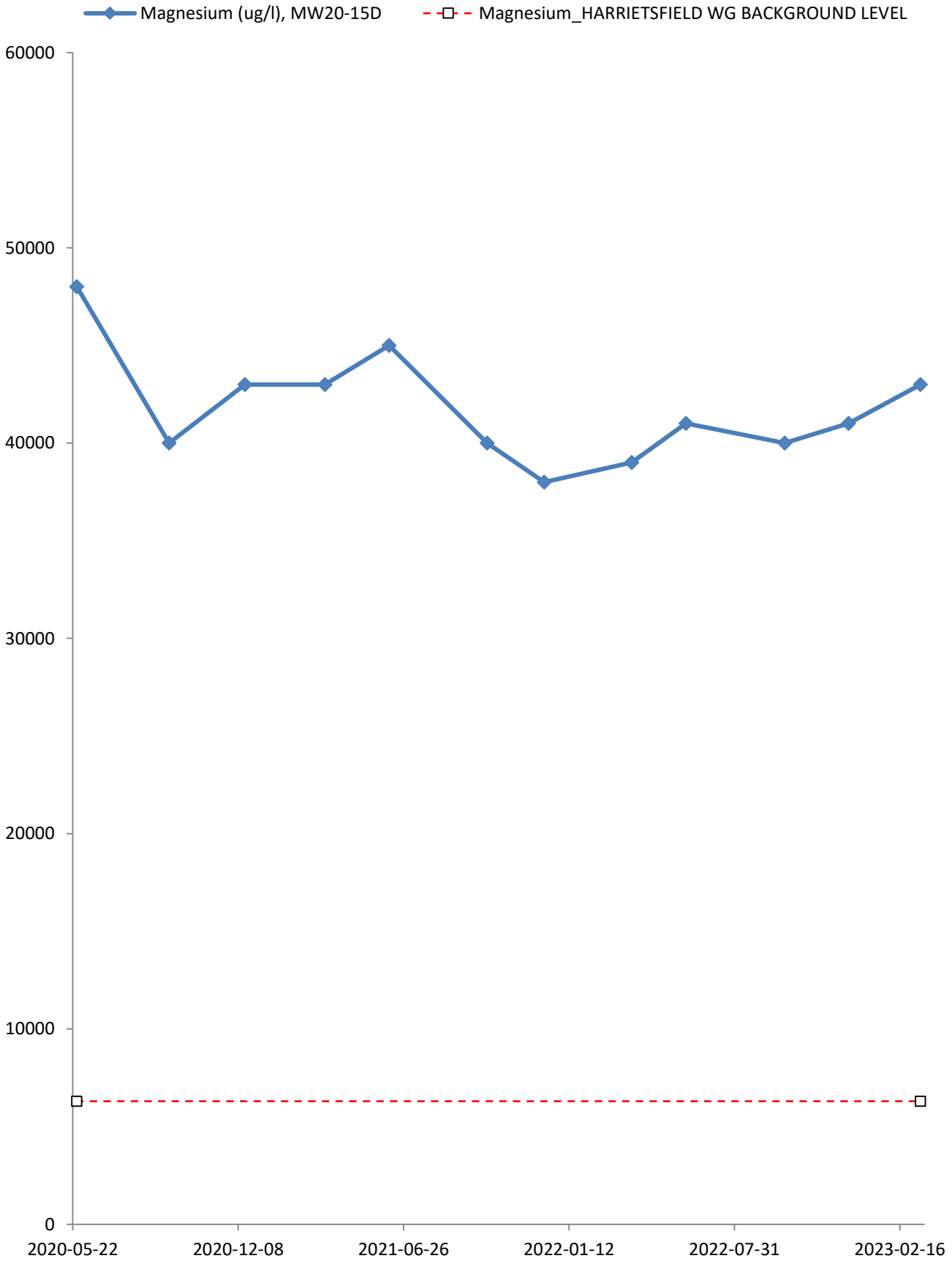


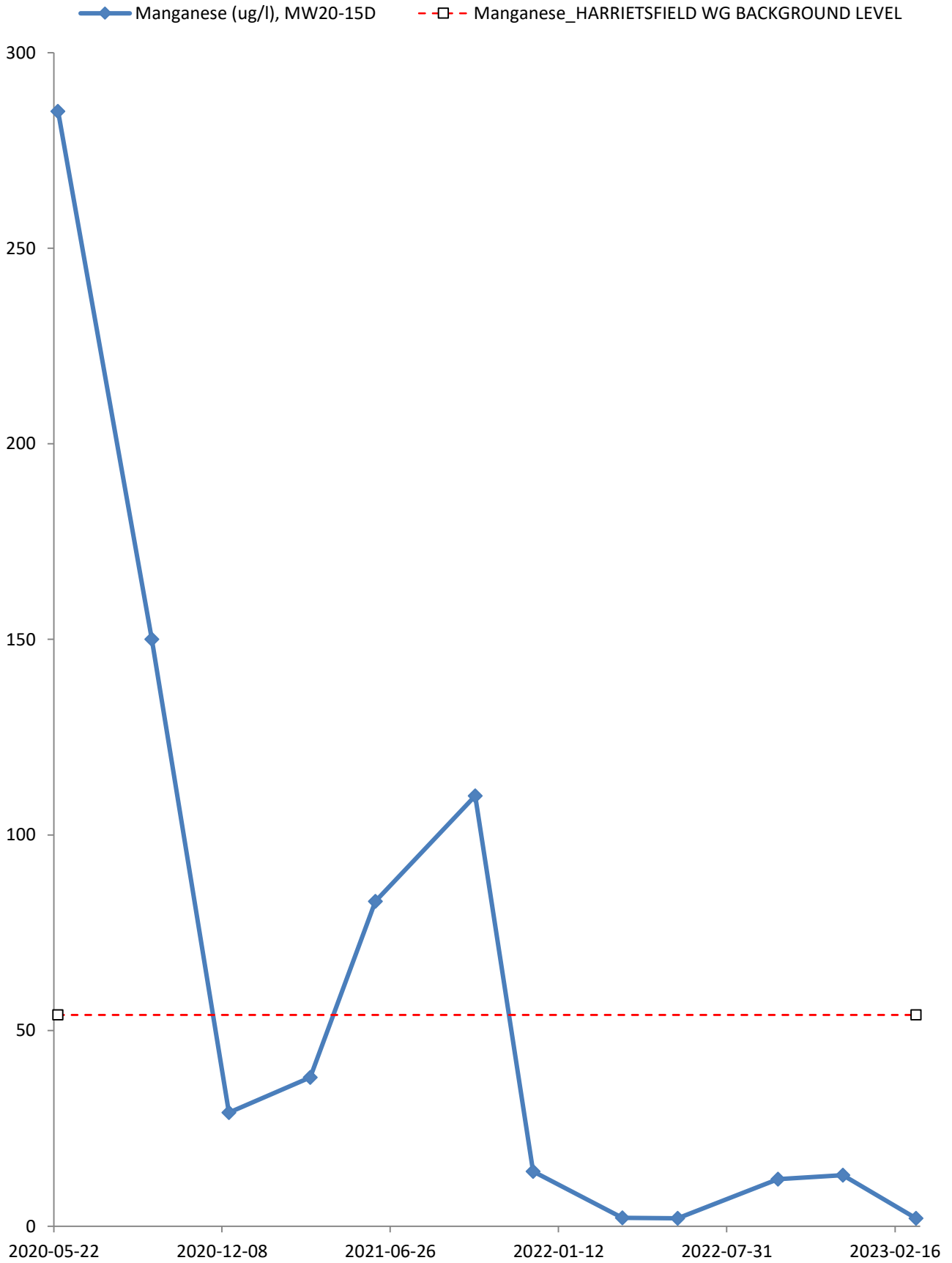
—◆— Hardness (as CaCO3) (mg/l), MW20-15D
- -□- - Hardness (as CaCO3)_HARRIETSFIELD WG BACKGROUND LEVEL





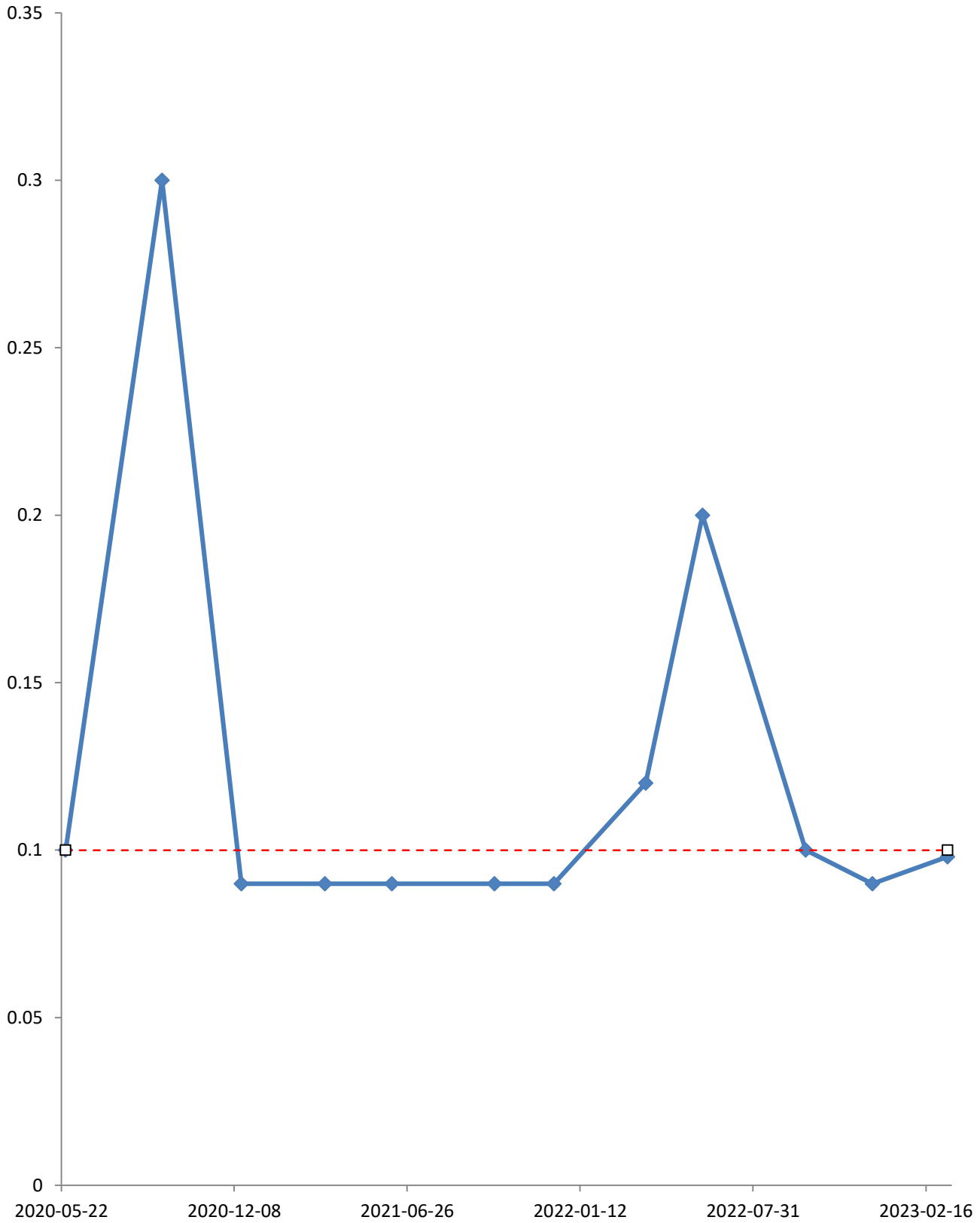


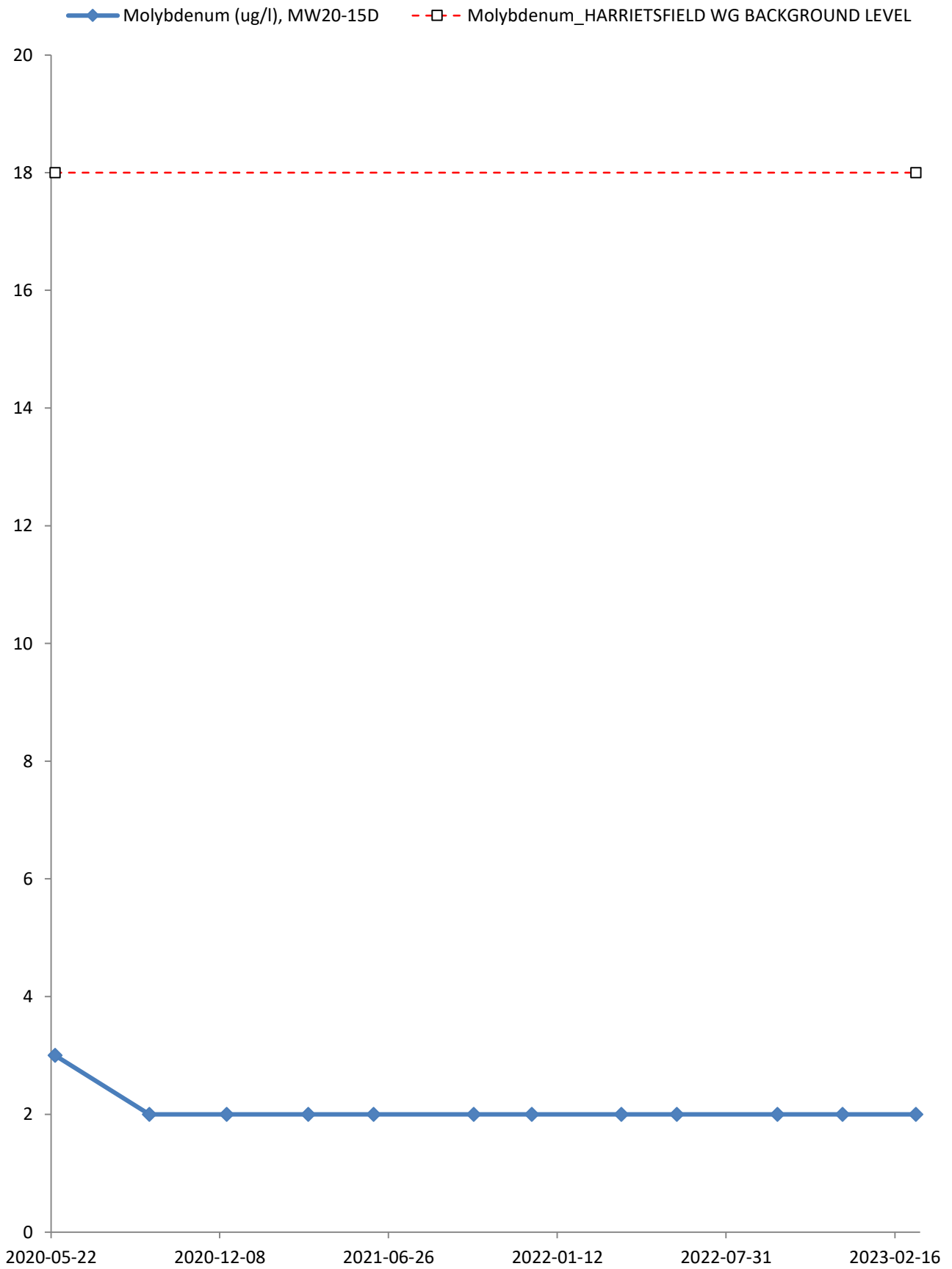


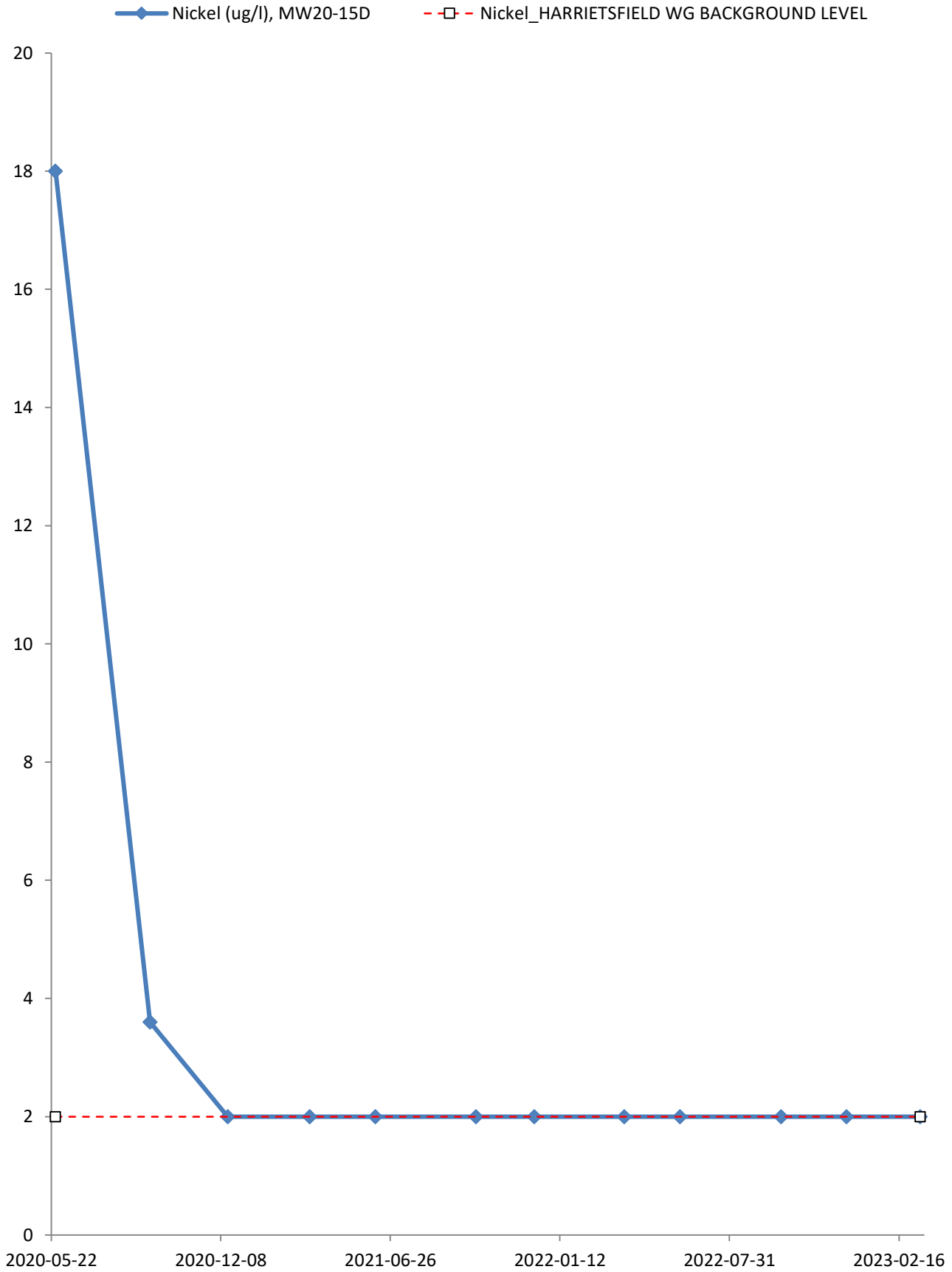


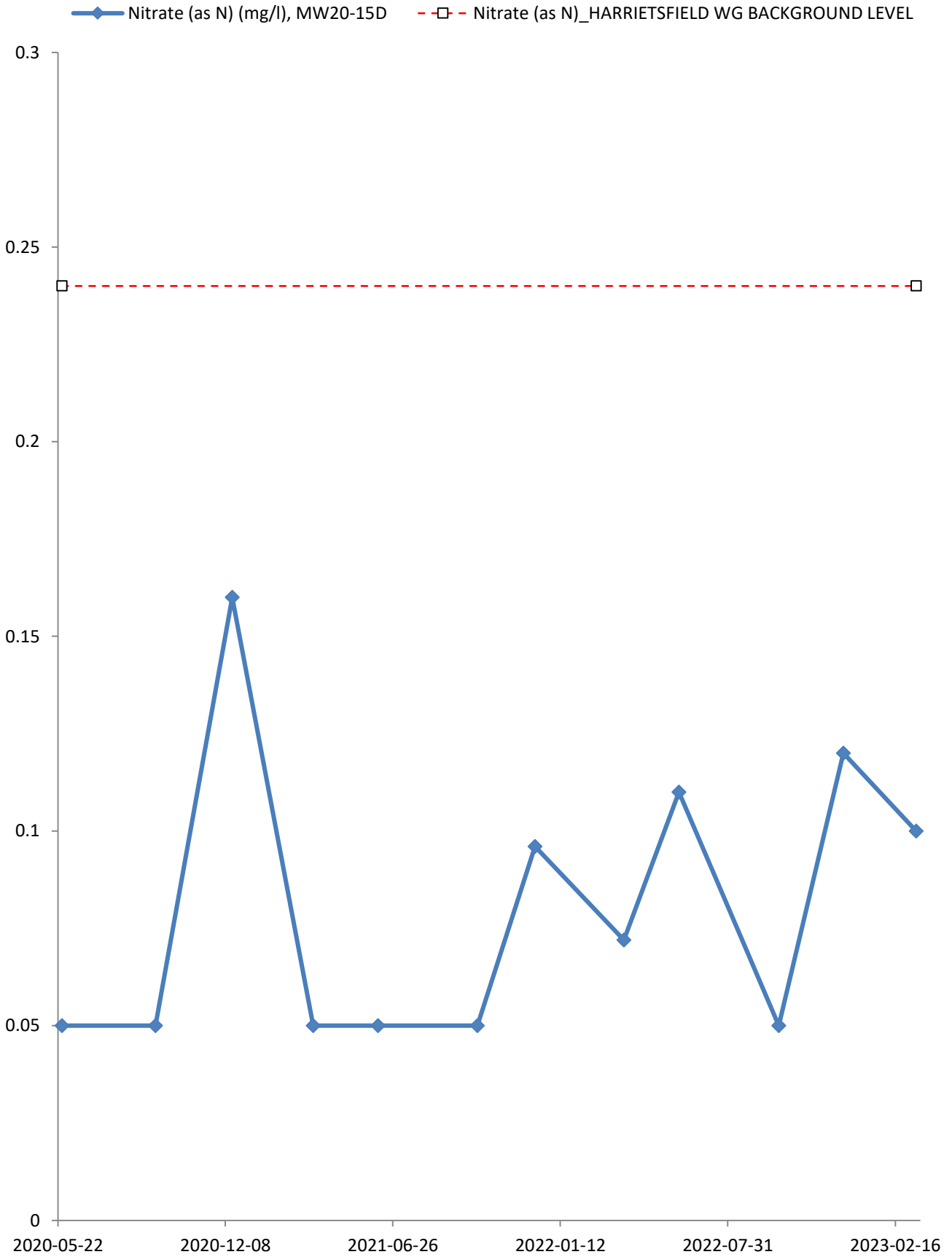


- ◆ Modified TPH Tier 1 (mg/l), MW20-15D
- Modified TPH Tier 1_HARRIETSFIELD WG BACKGROUND LEVEL

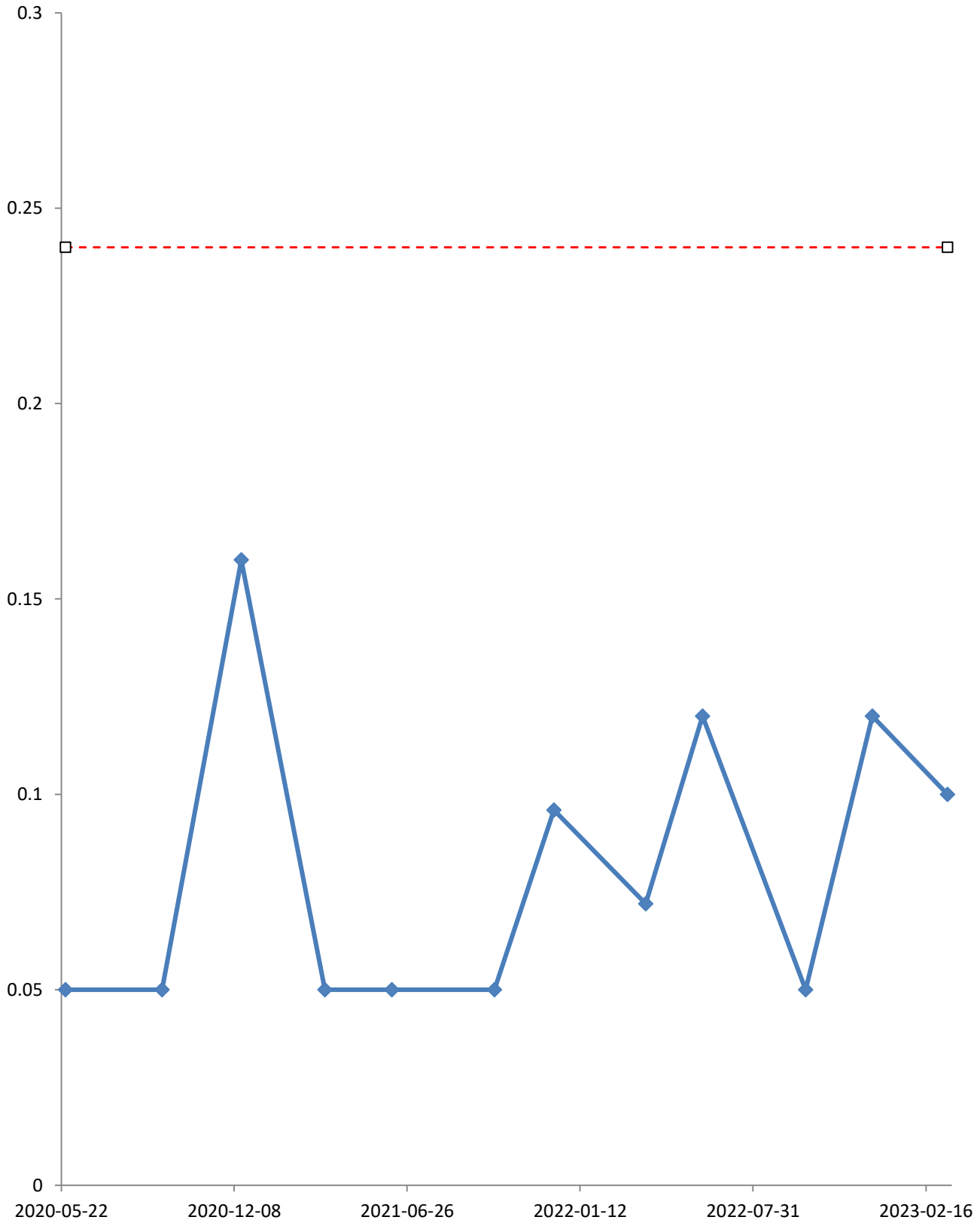


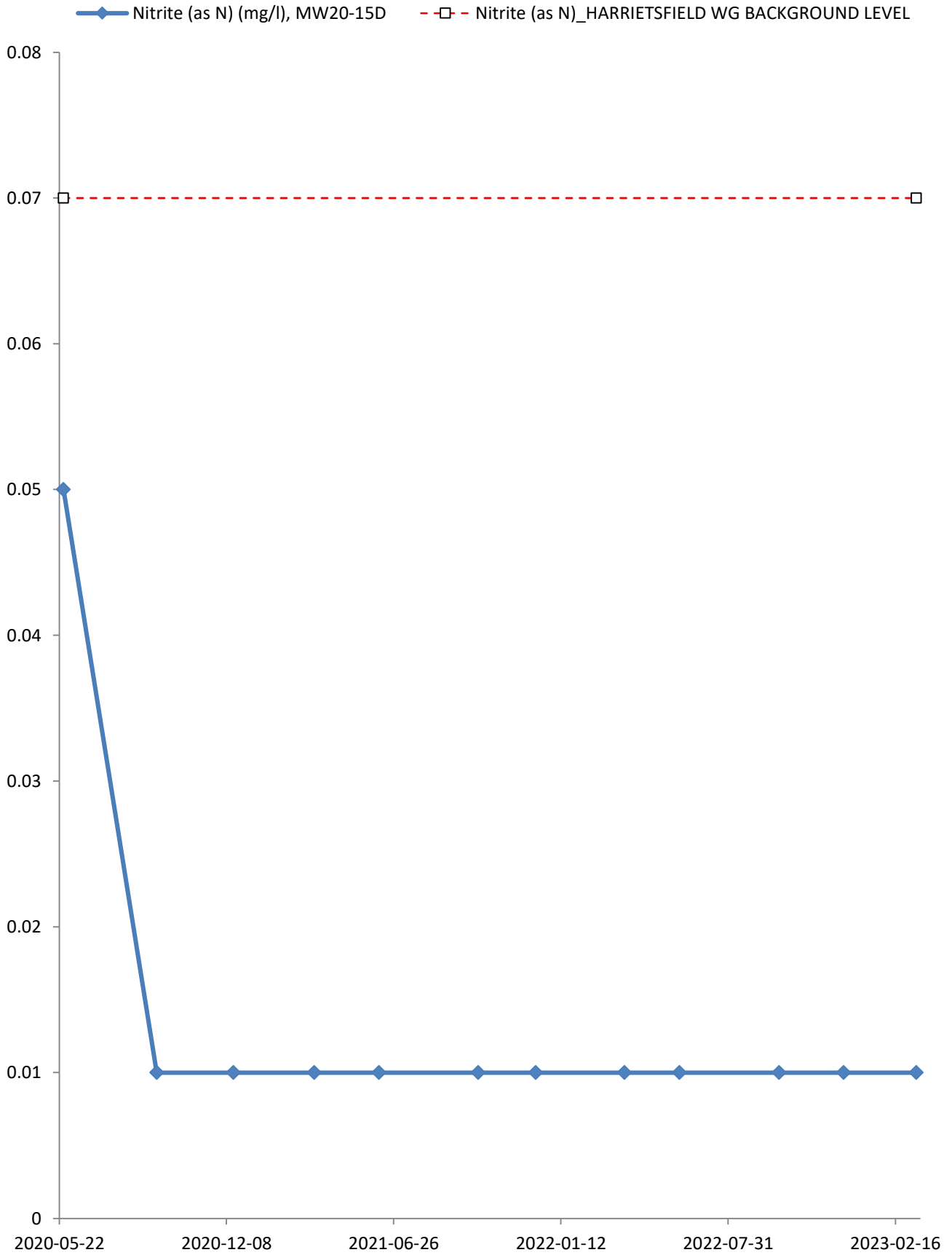




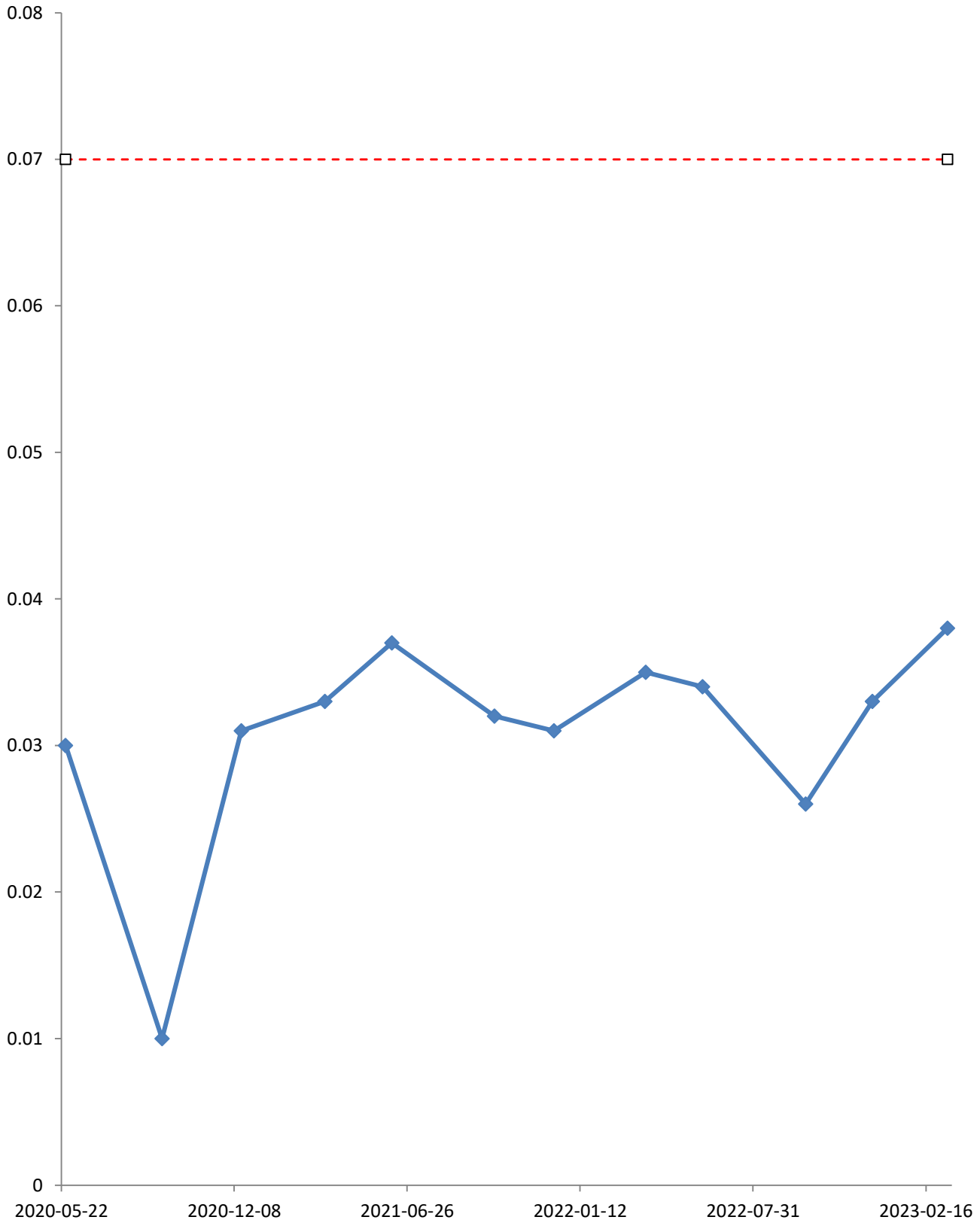


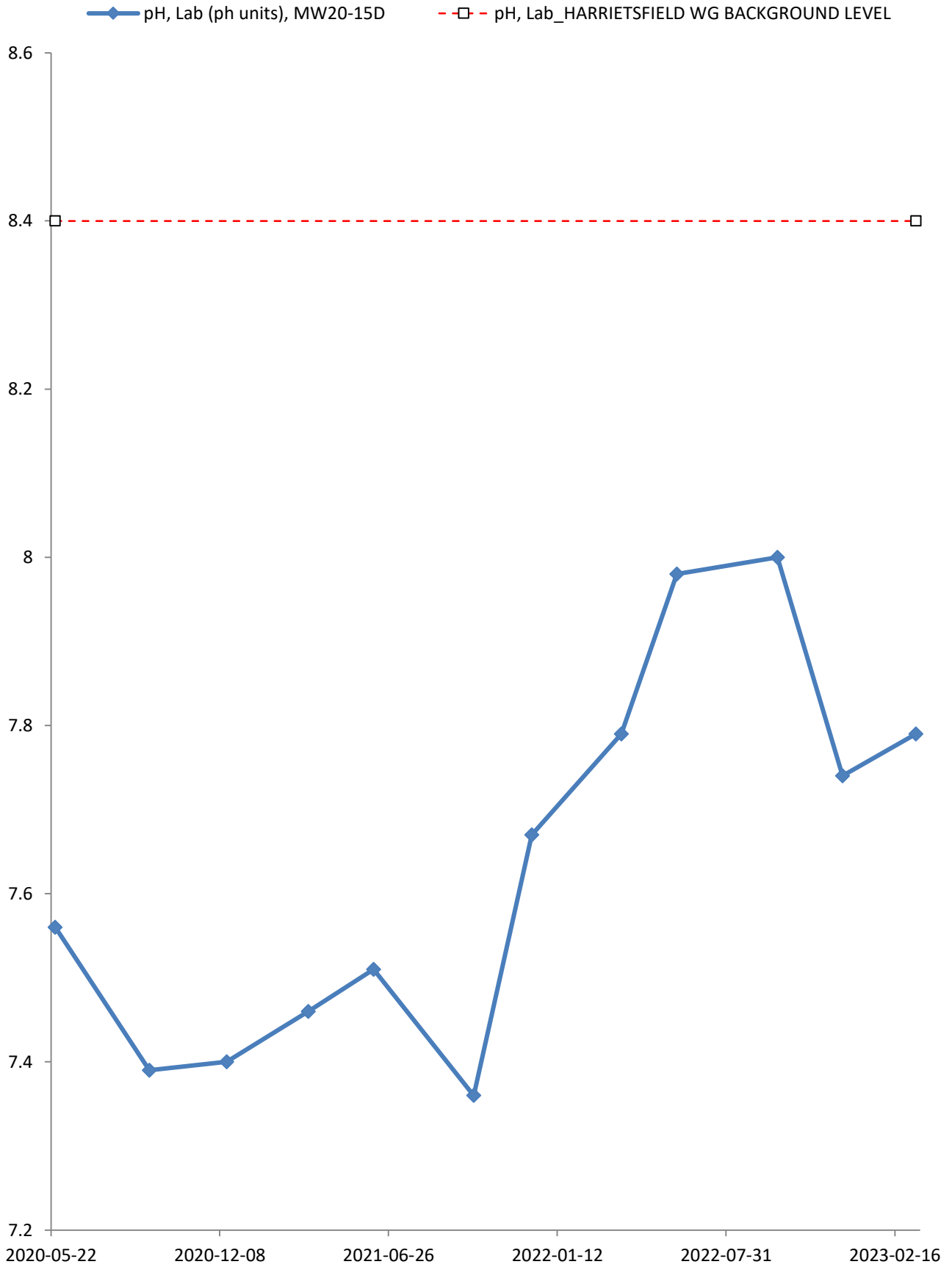
—◆— Nitrate plus Nitrite (N) (mg/l), MW20-15D
- -□- - Nitrate plus Nitrite (N)_HARRIETSFIELD WG BACKGROUND LEVEL

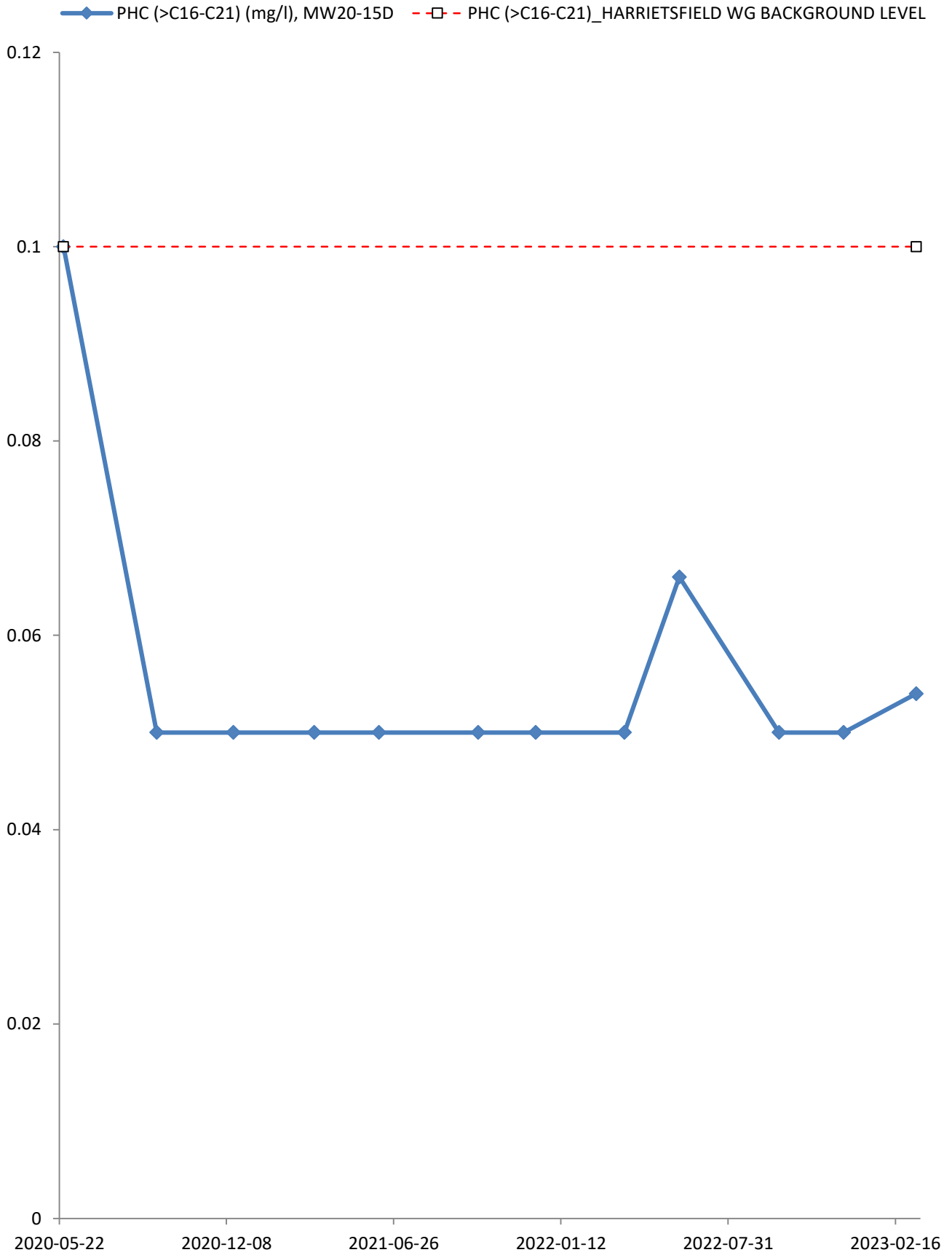


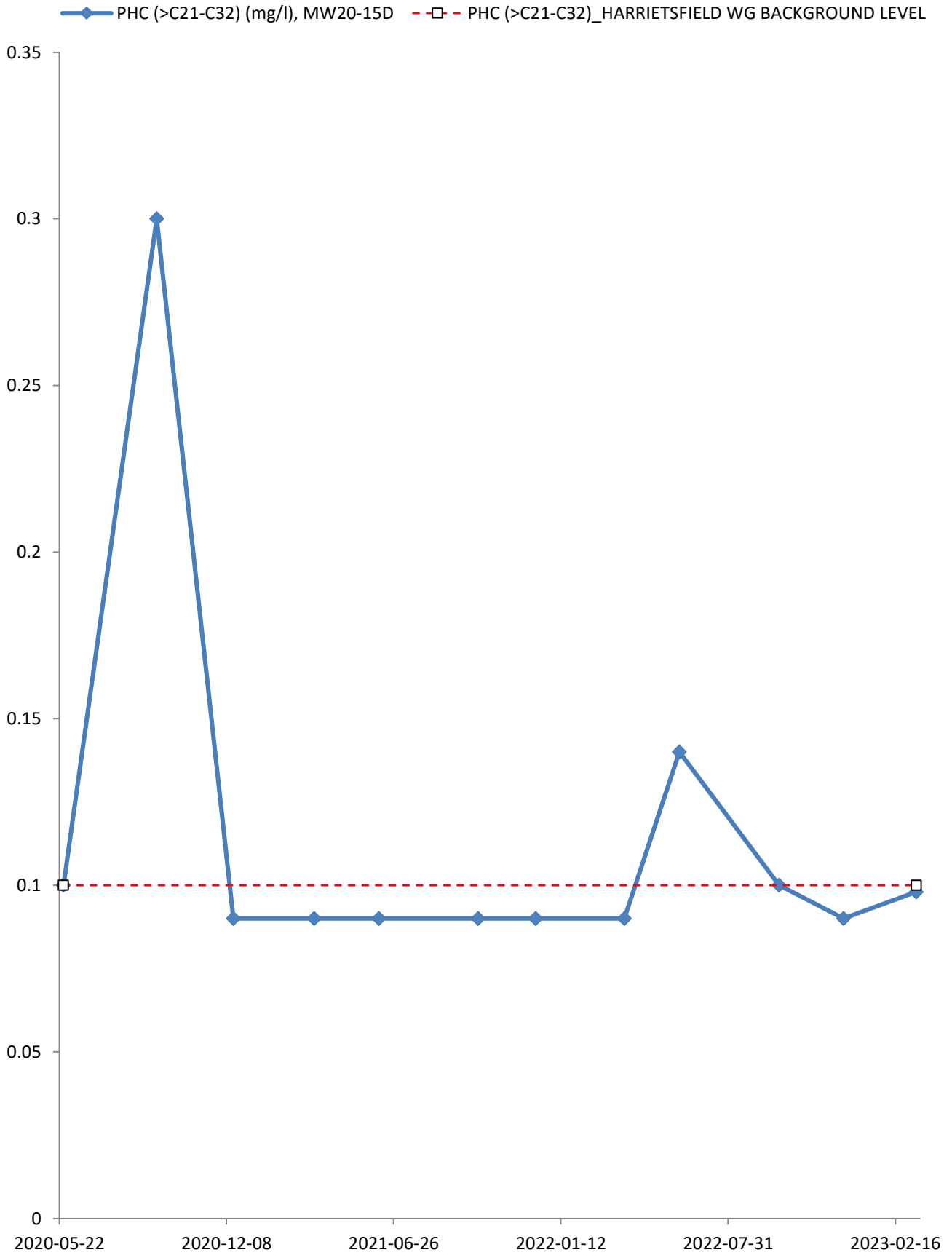


- Orthophosphate(as P) (mg/l), MW20-15D
- Orthophosphate(as P)_HARRIETSFIELD WG BACKGROUND LEVEL

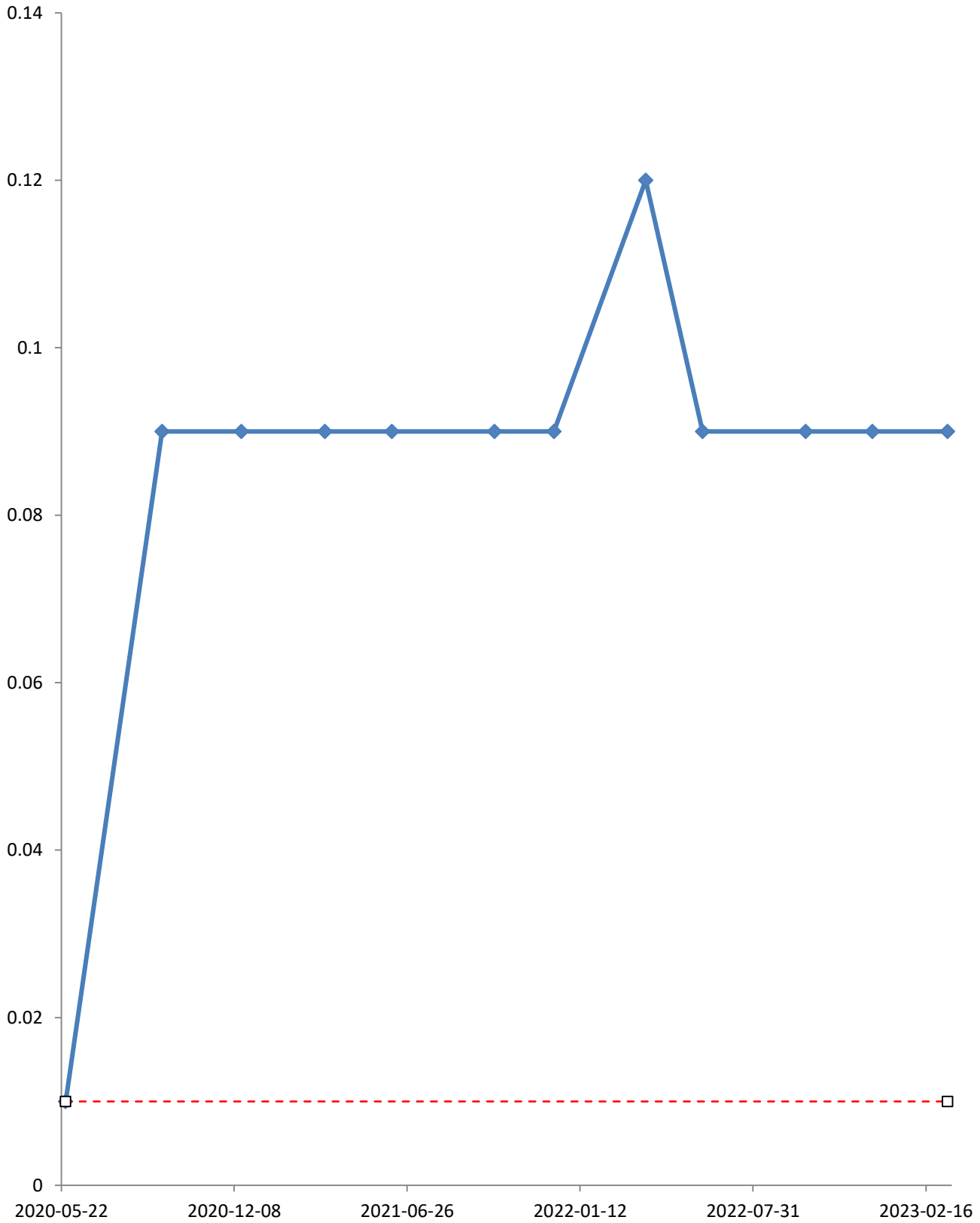




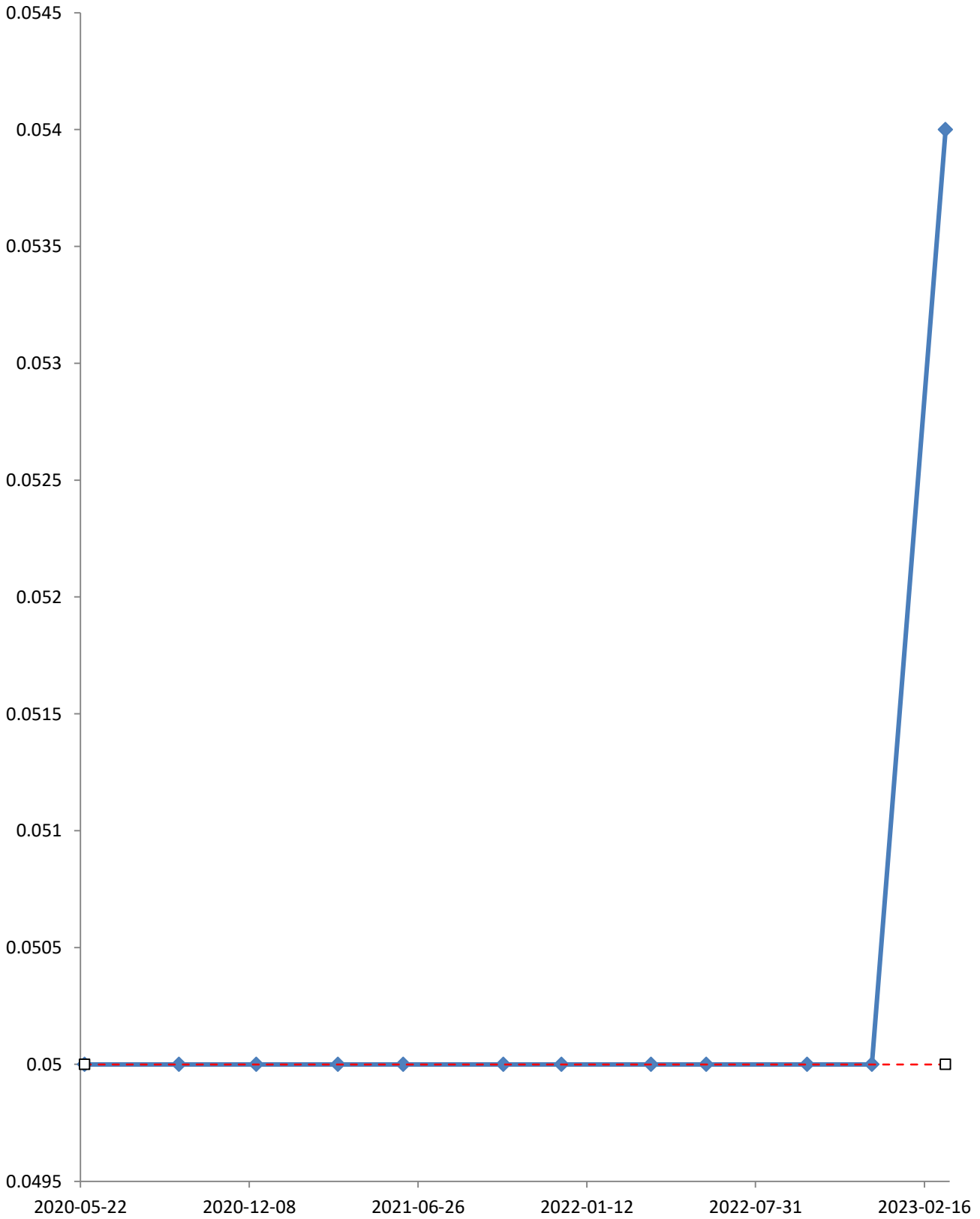


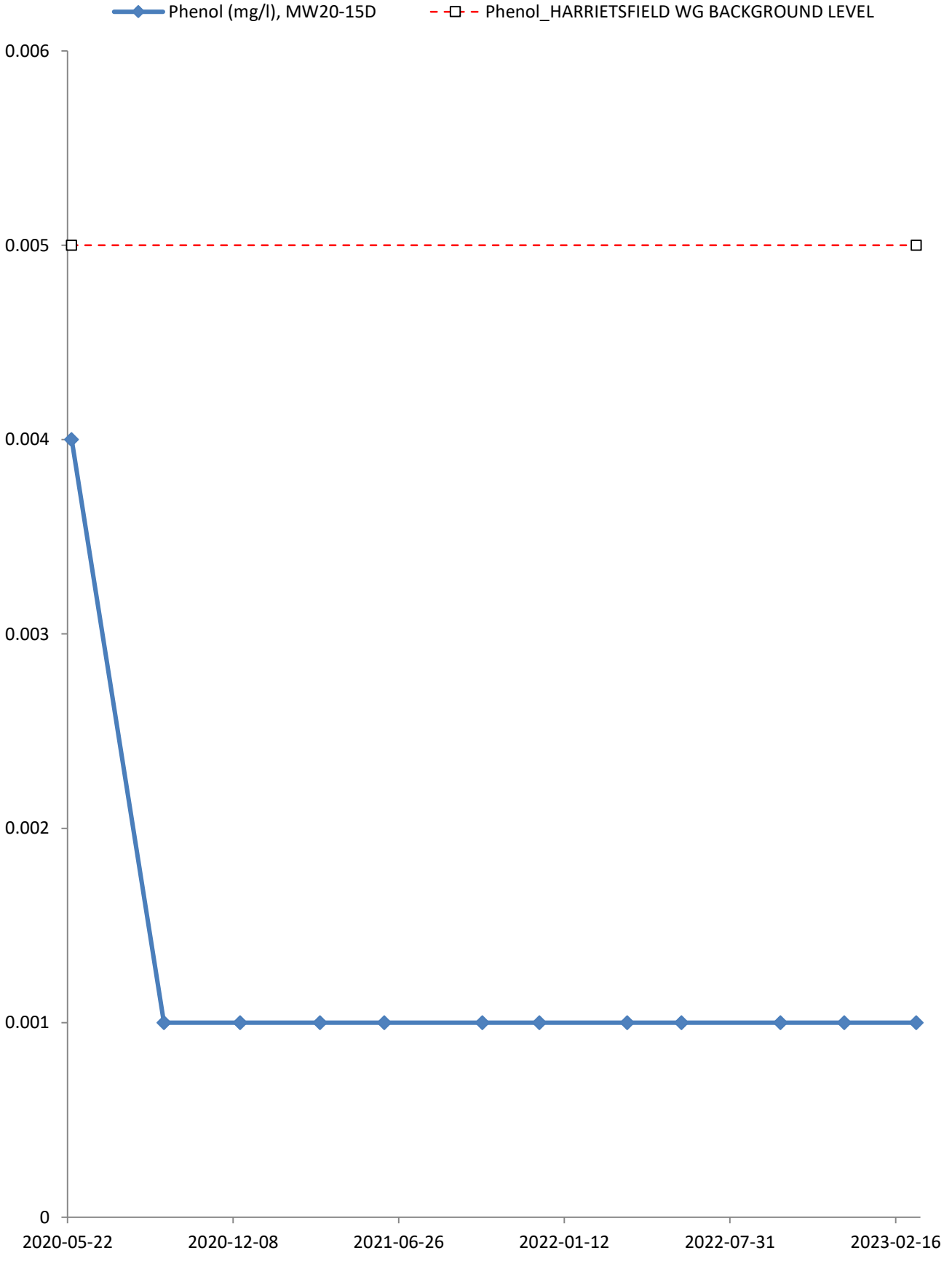


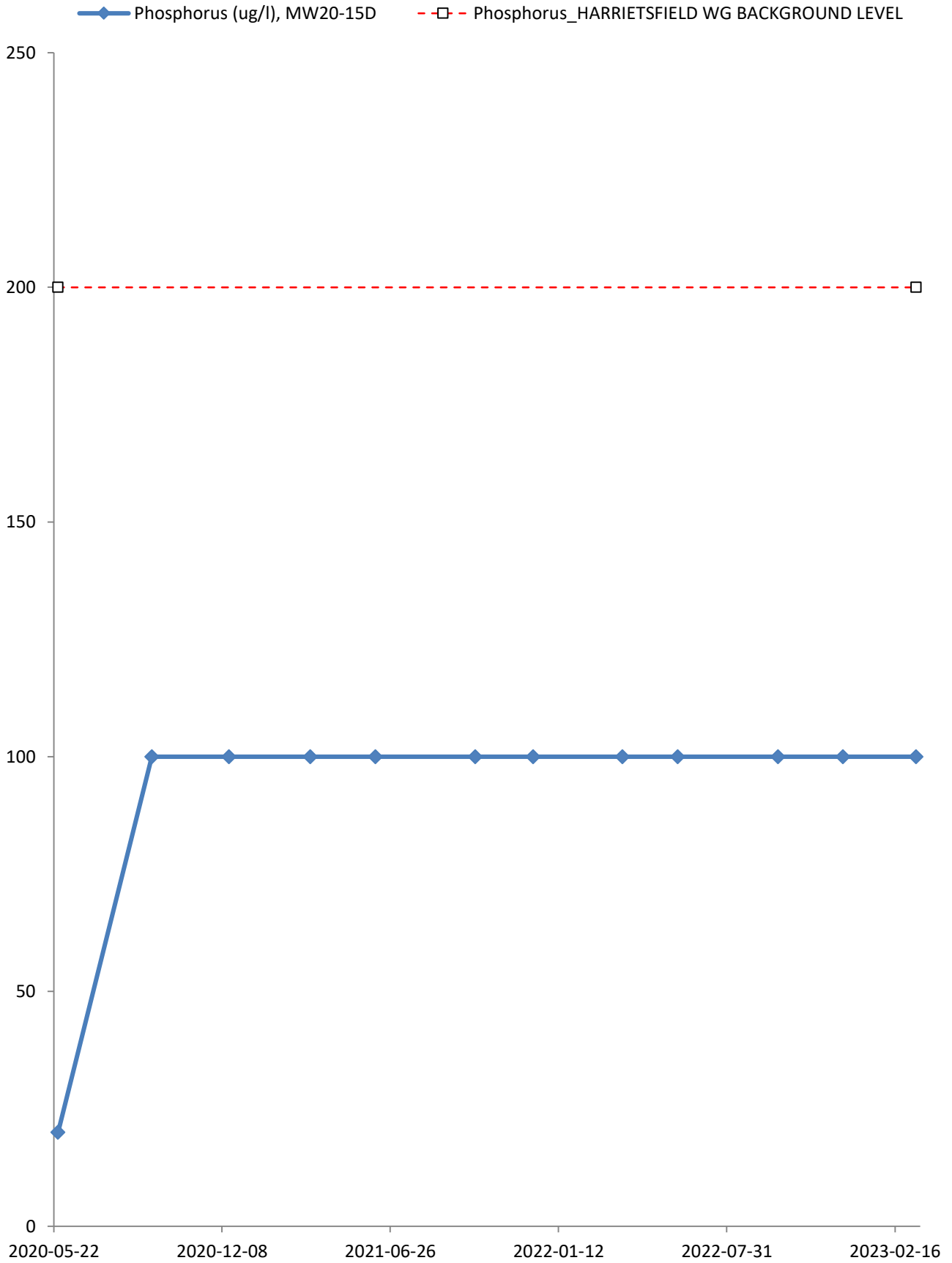
—◆— PHC F1 (C6-C10) min BTEX (mg/l), MW20-15D
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WG BACKGROUND LEVEL

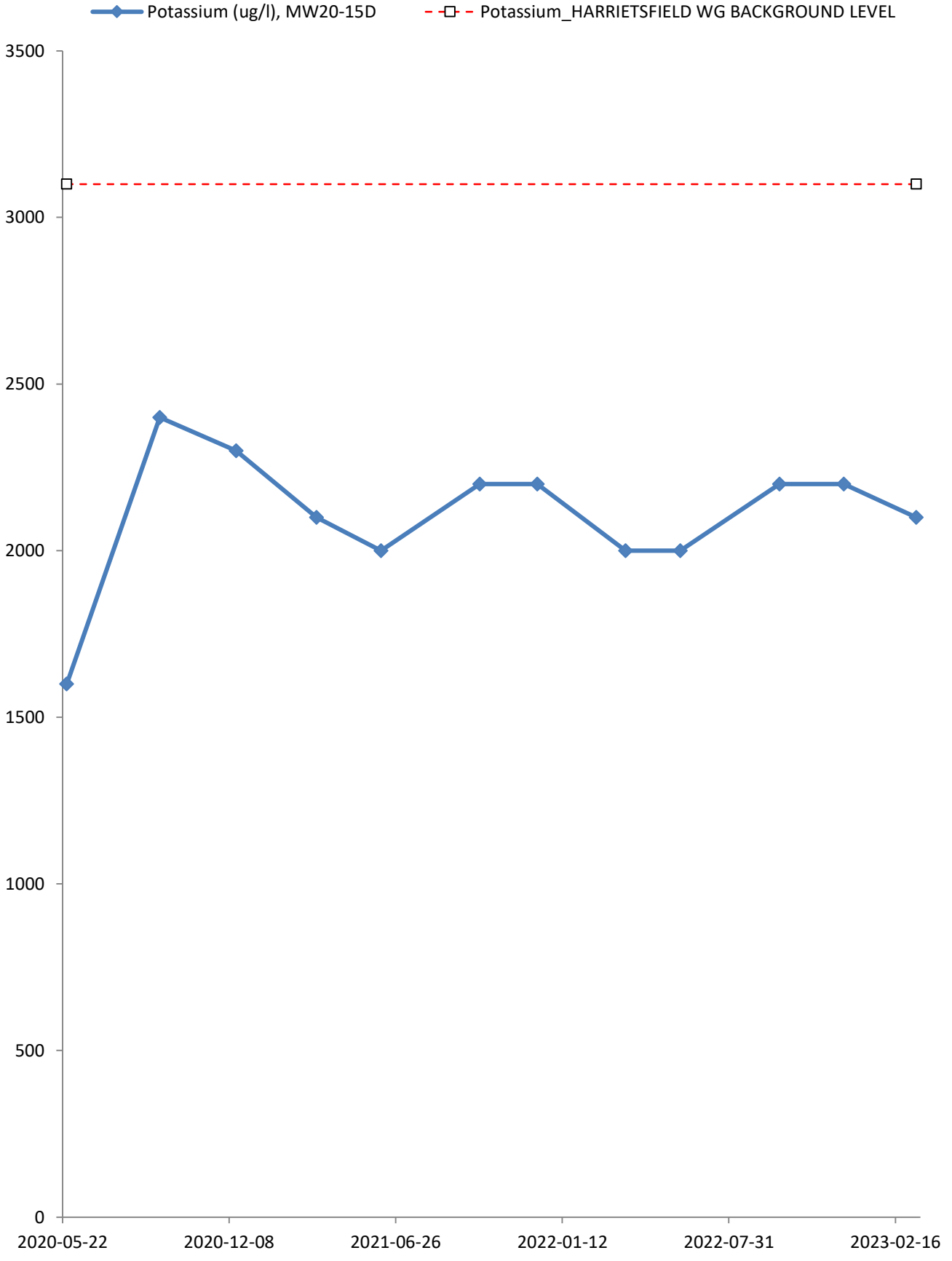


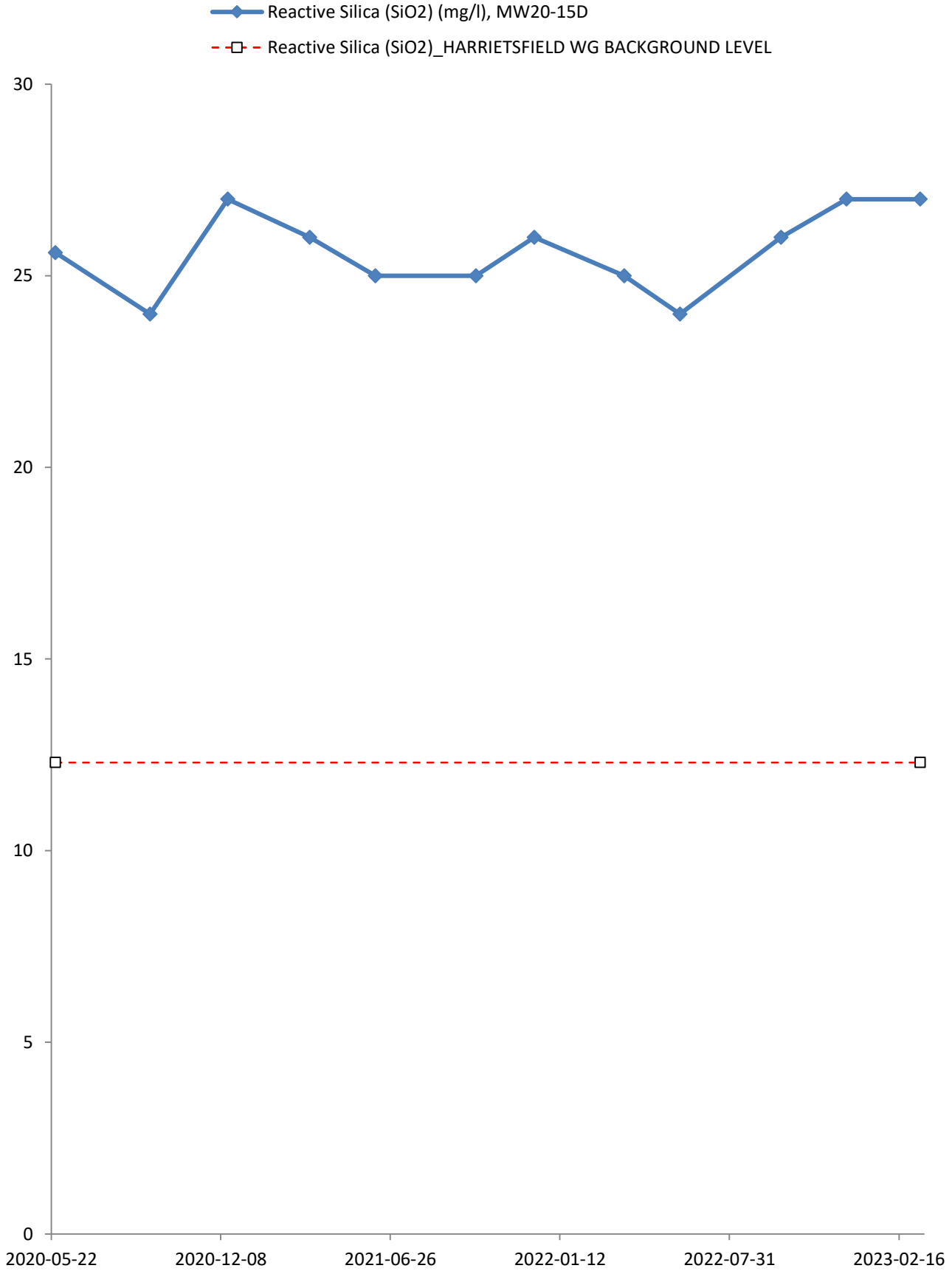
—◆— PHC F2 (>C10-C16) (mg/l), MW20-15D
- -□- - PHC F2 (>C10-C16)_HARRIETSFIELD WG BACKGROUND LEVEL

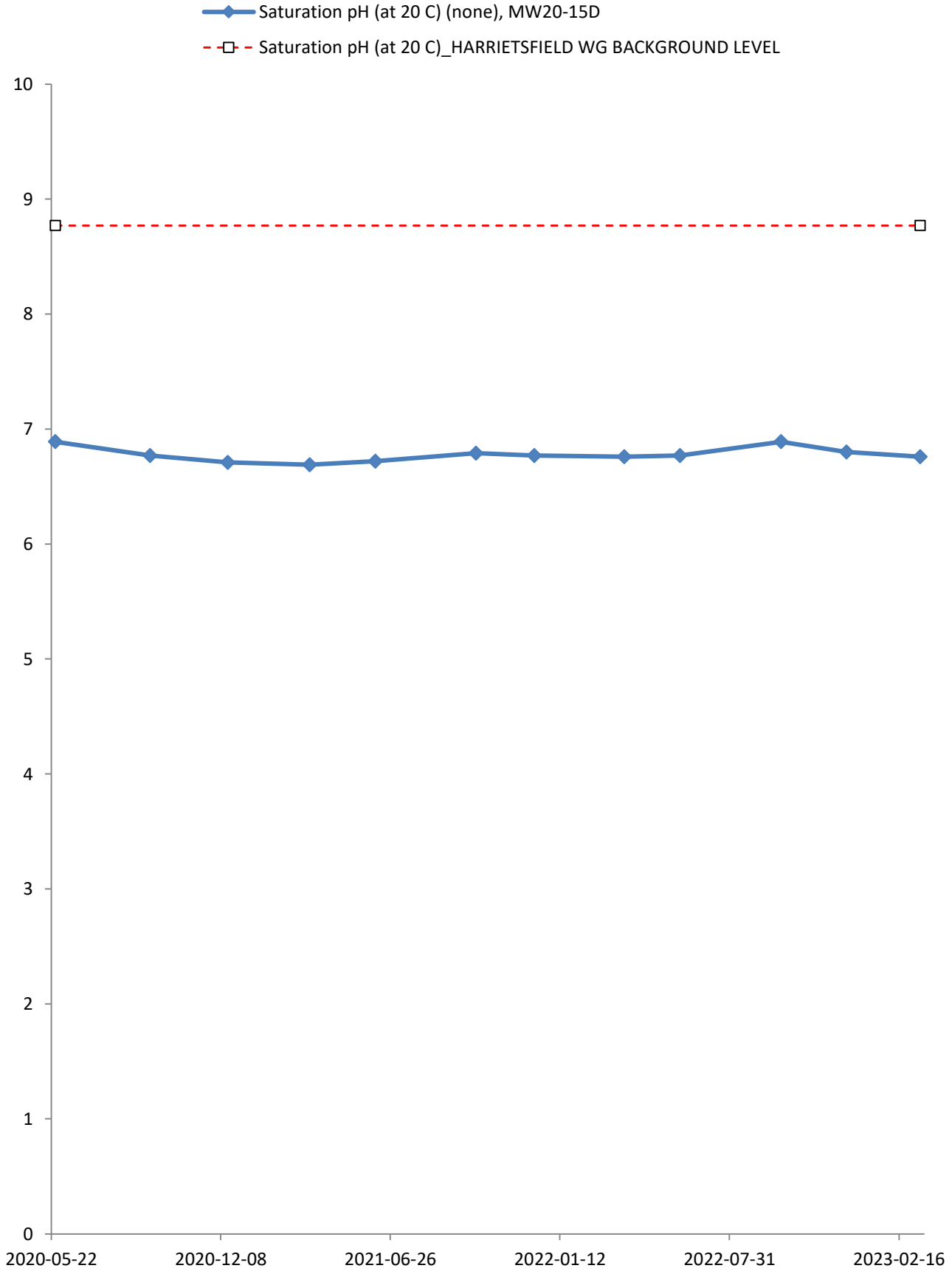




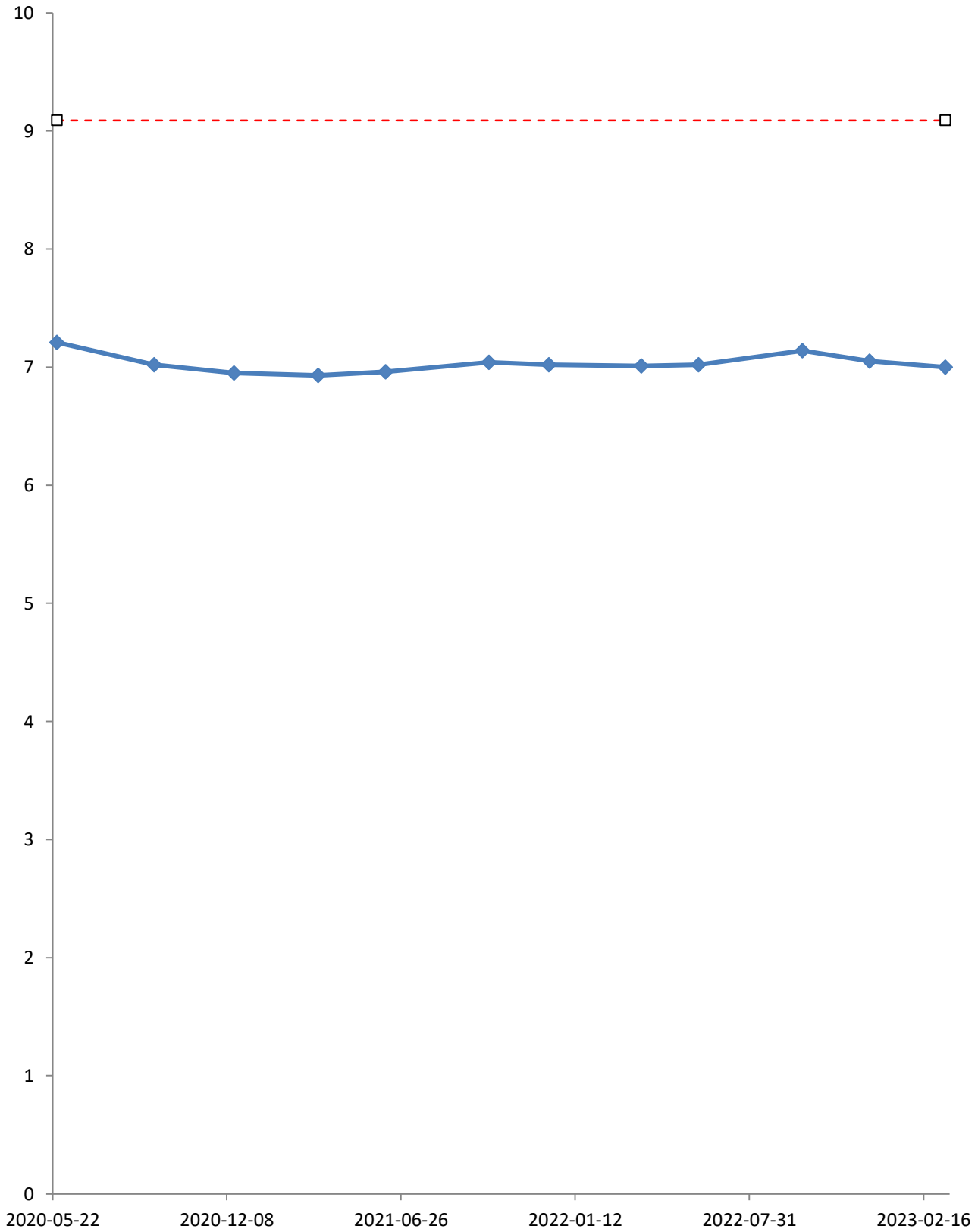


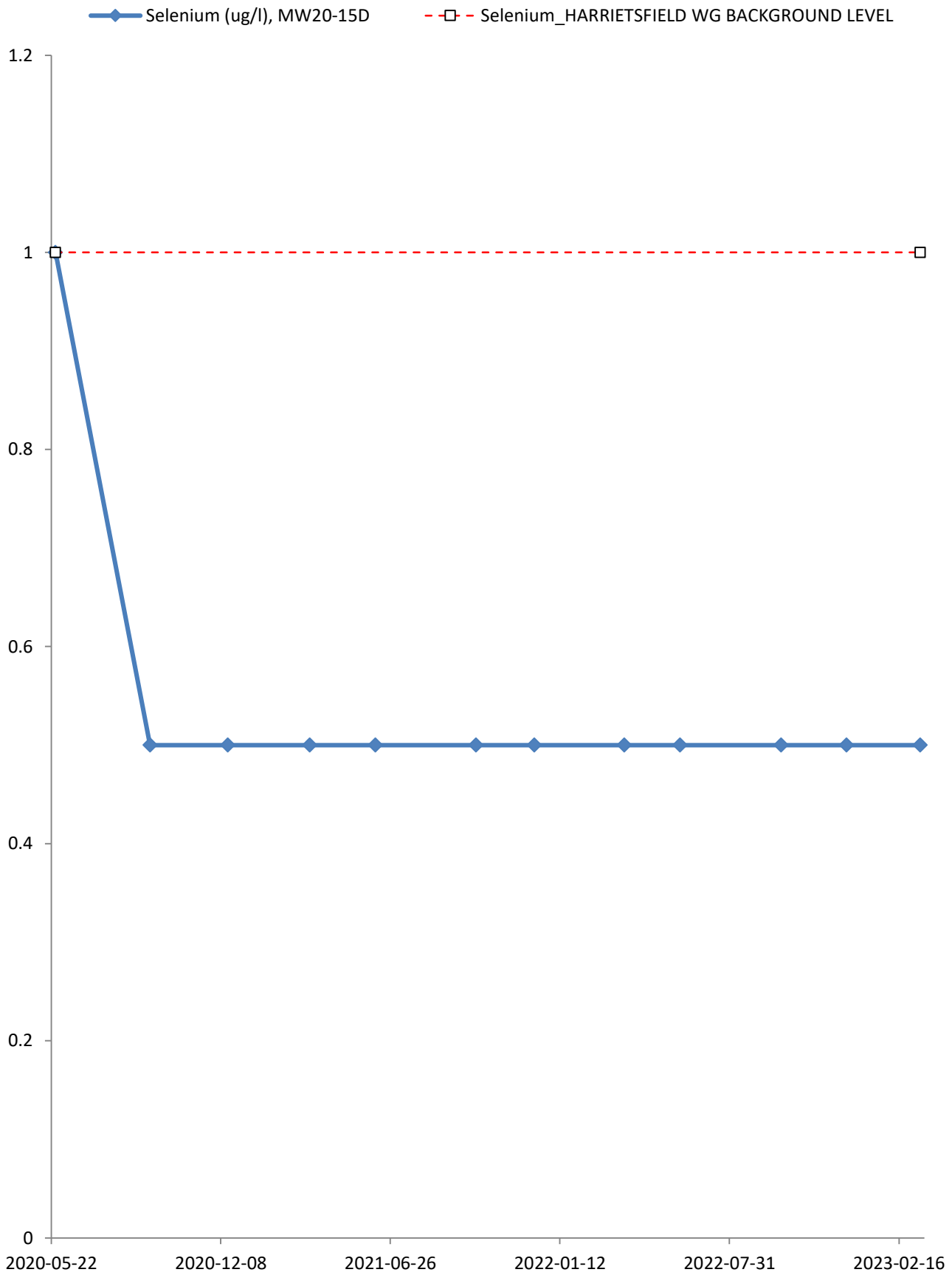


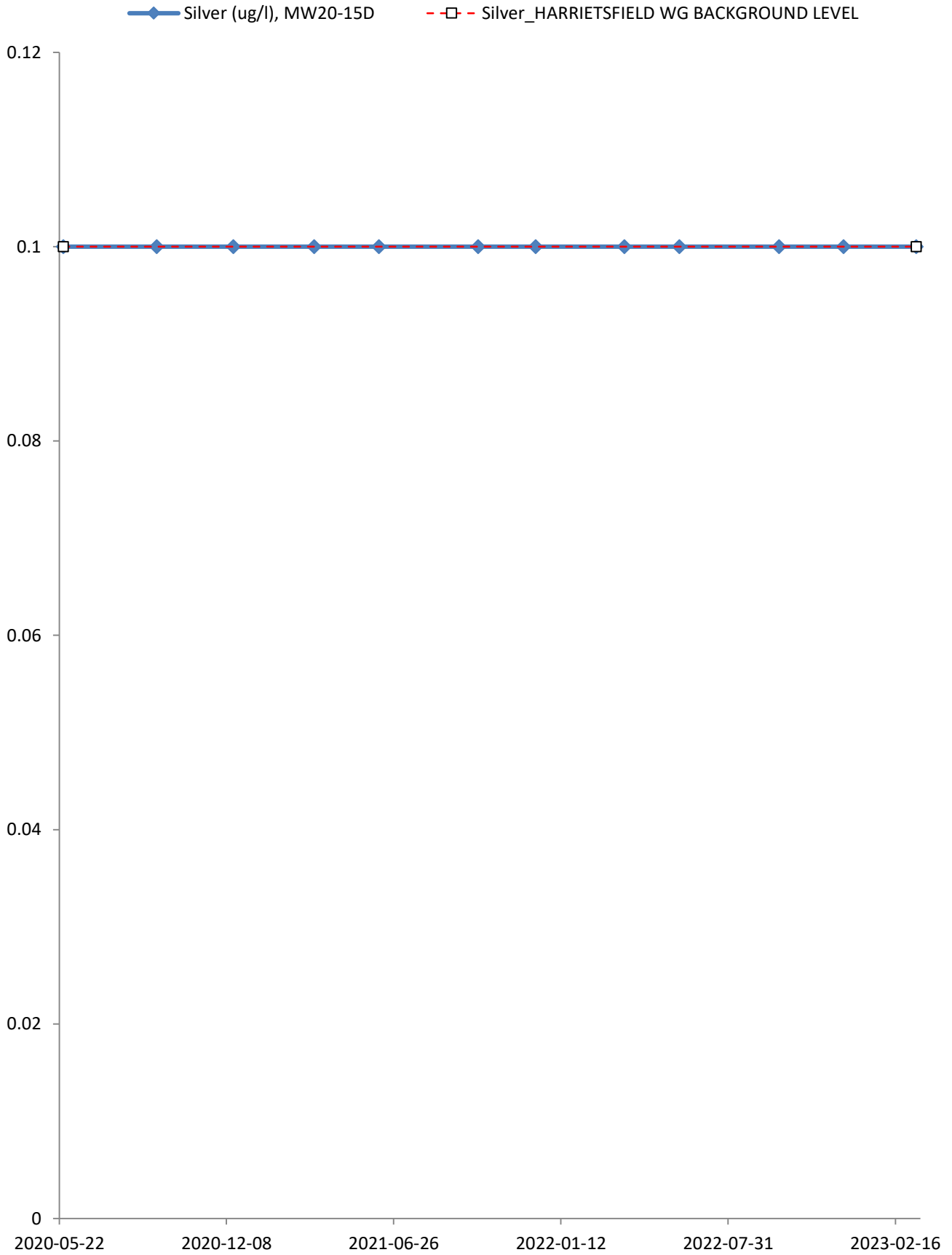


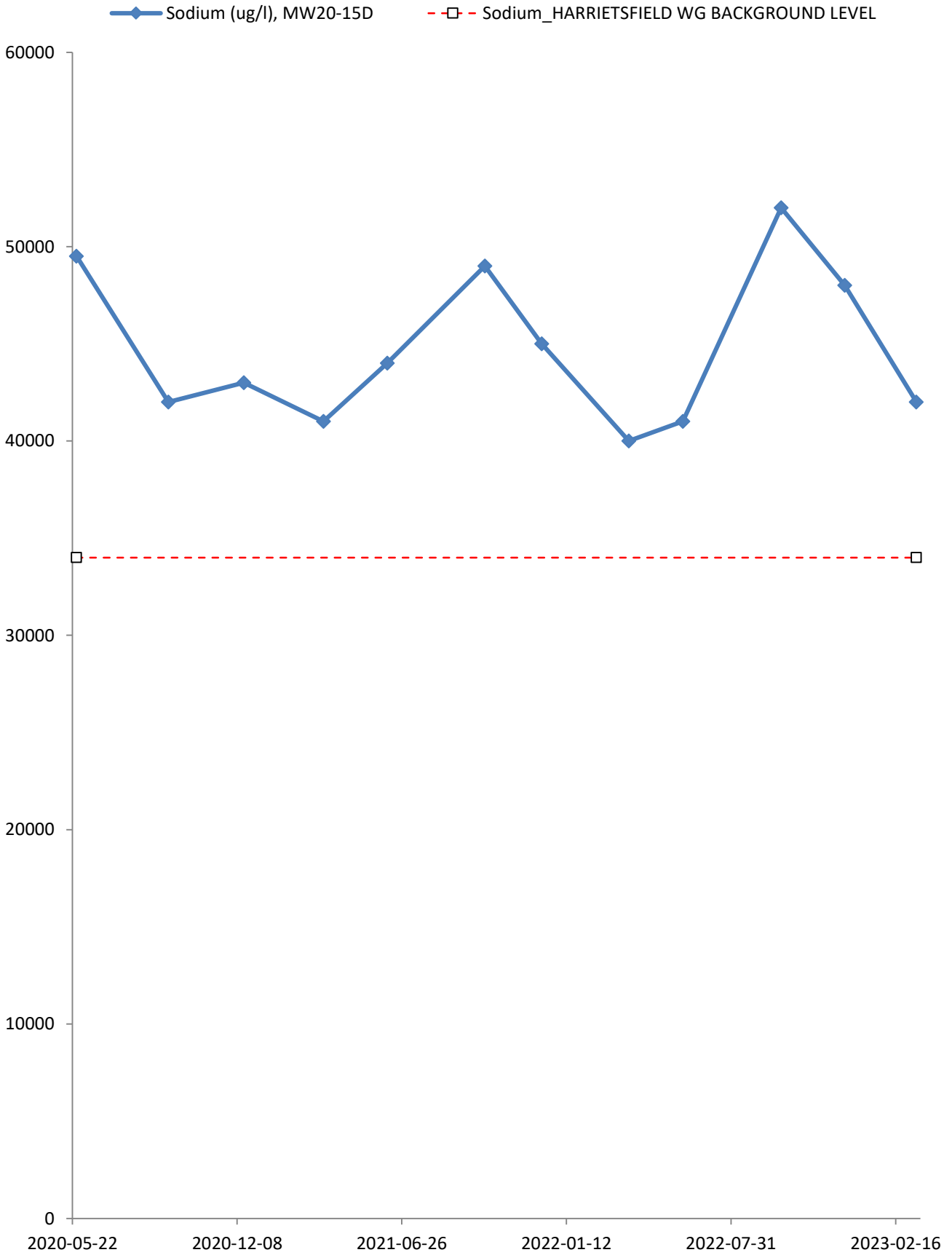


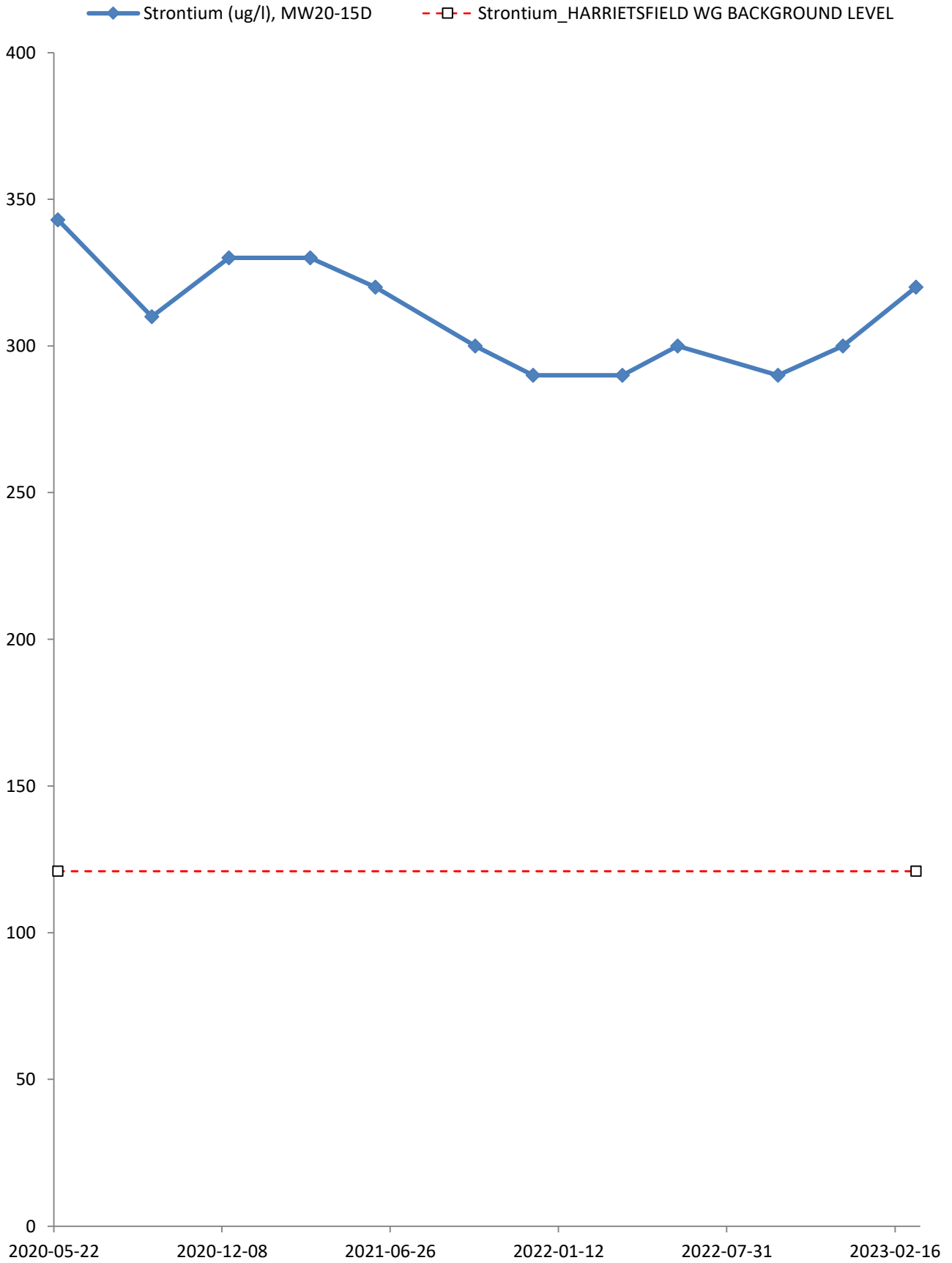
—◆— Saturation pH (at 4 C) (none), MW20-15D
- -□- - Saturation pH (at 4 C)_HARRIETSFIELD WG BACKGROUND LEVEL

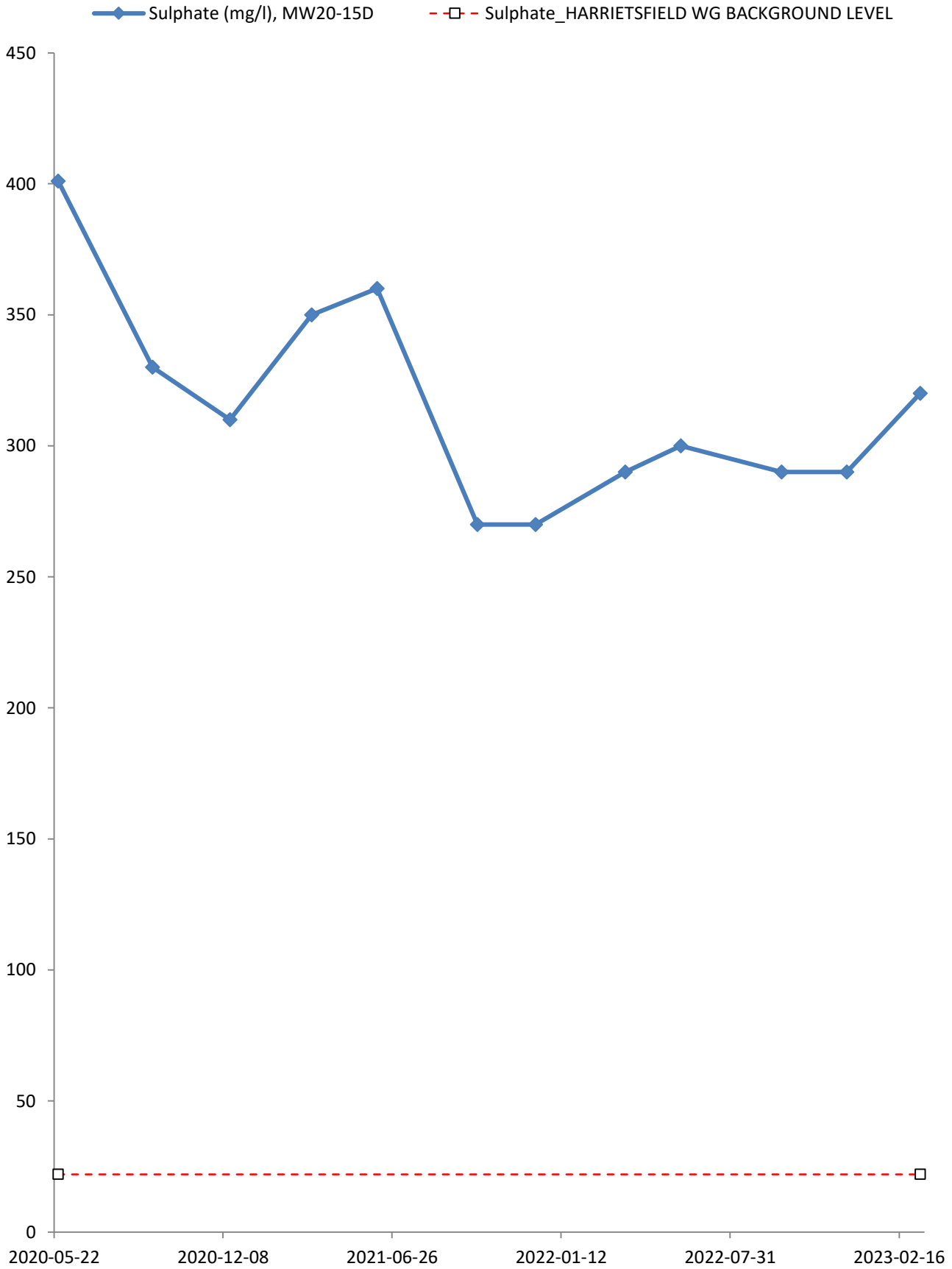


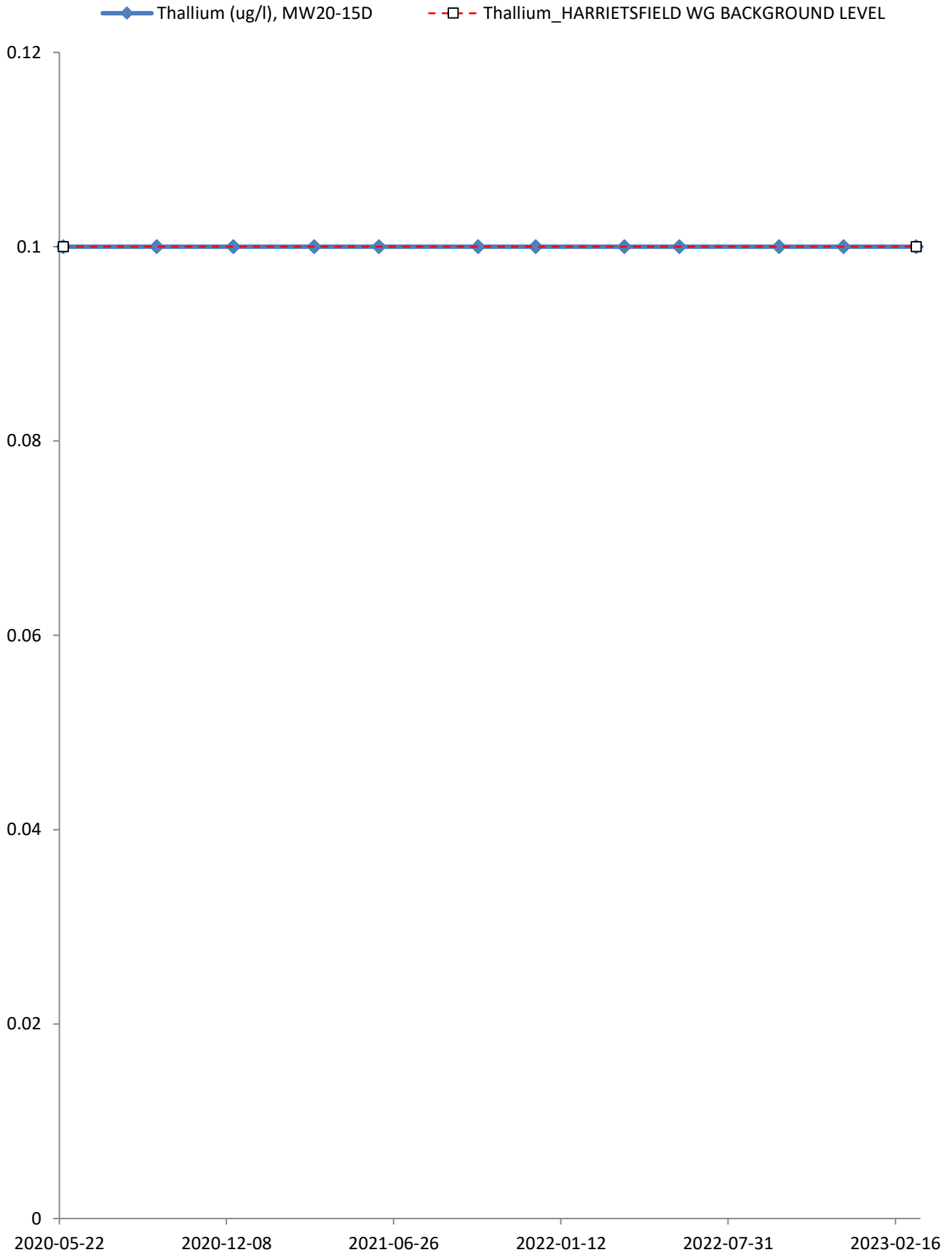


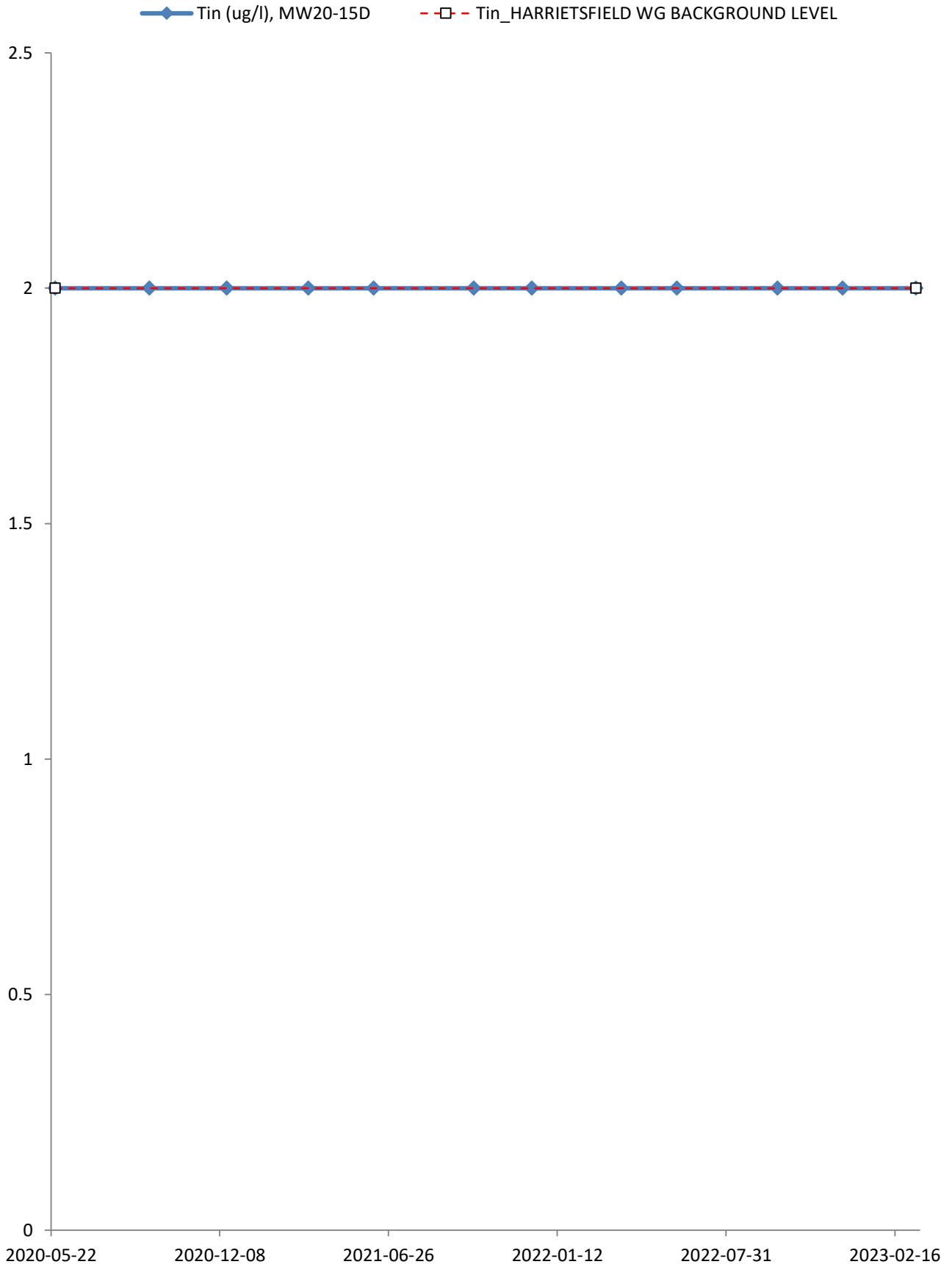


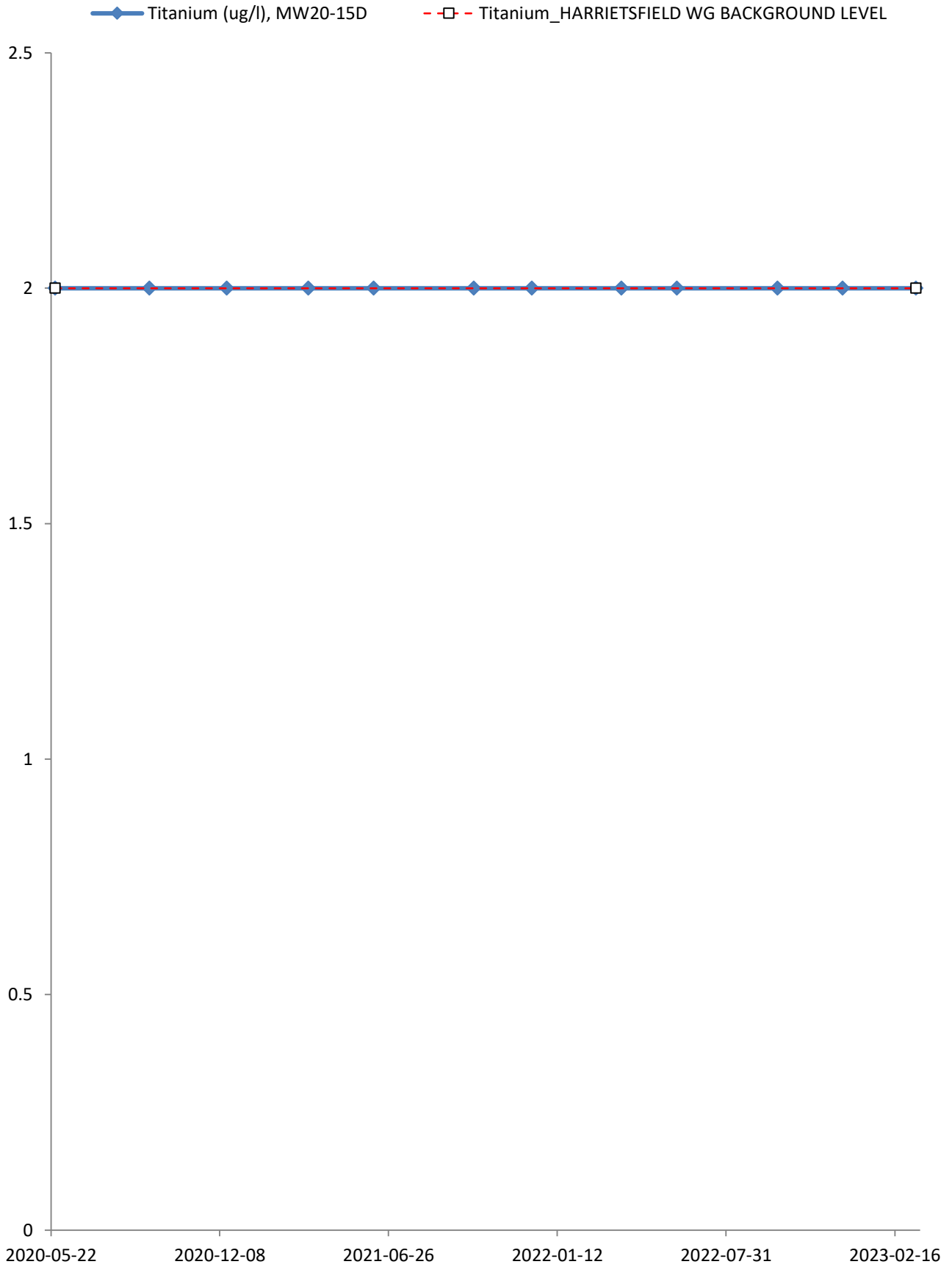


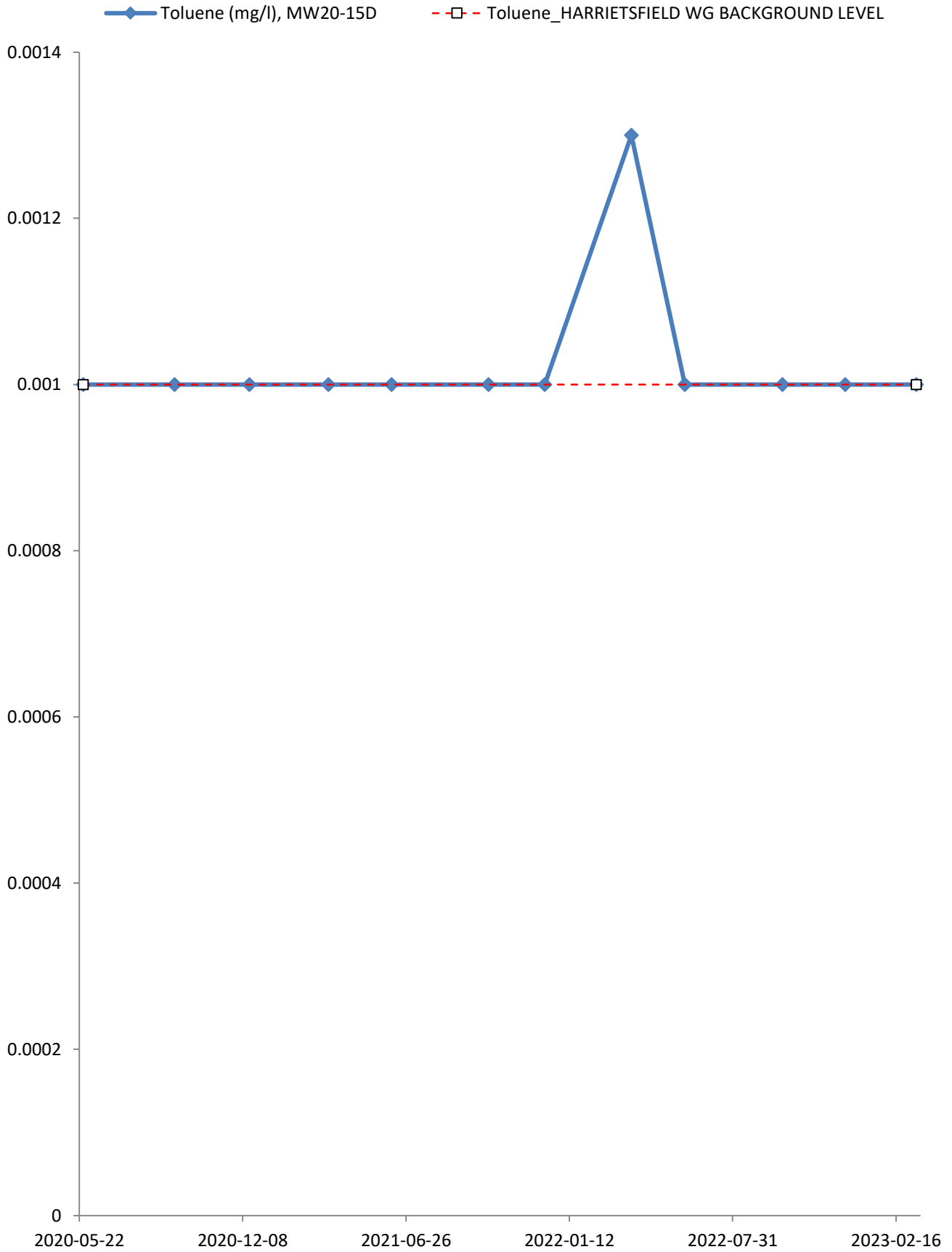


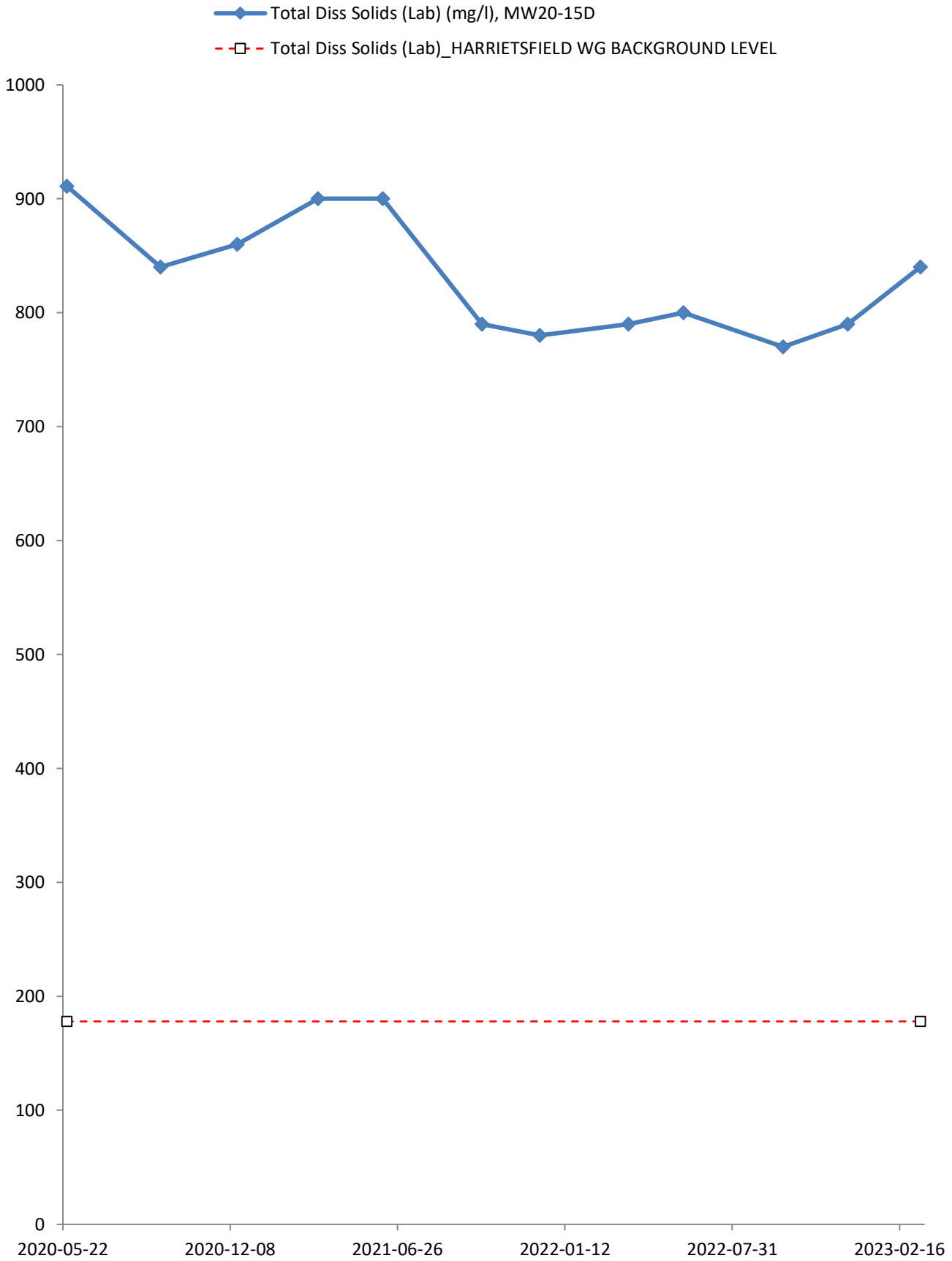




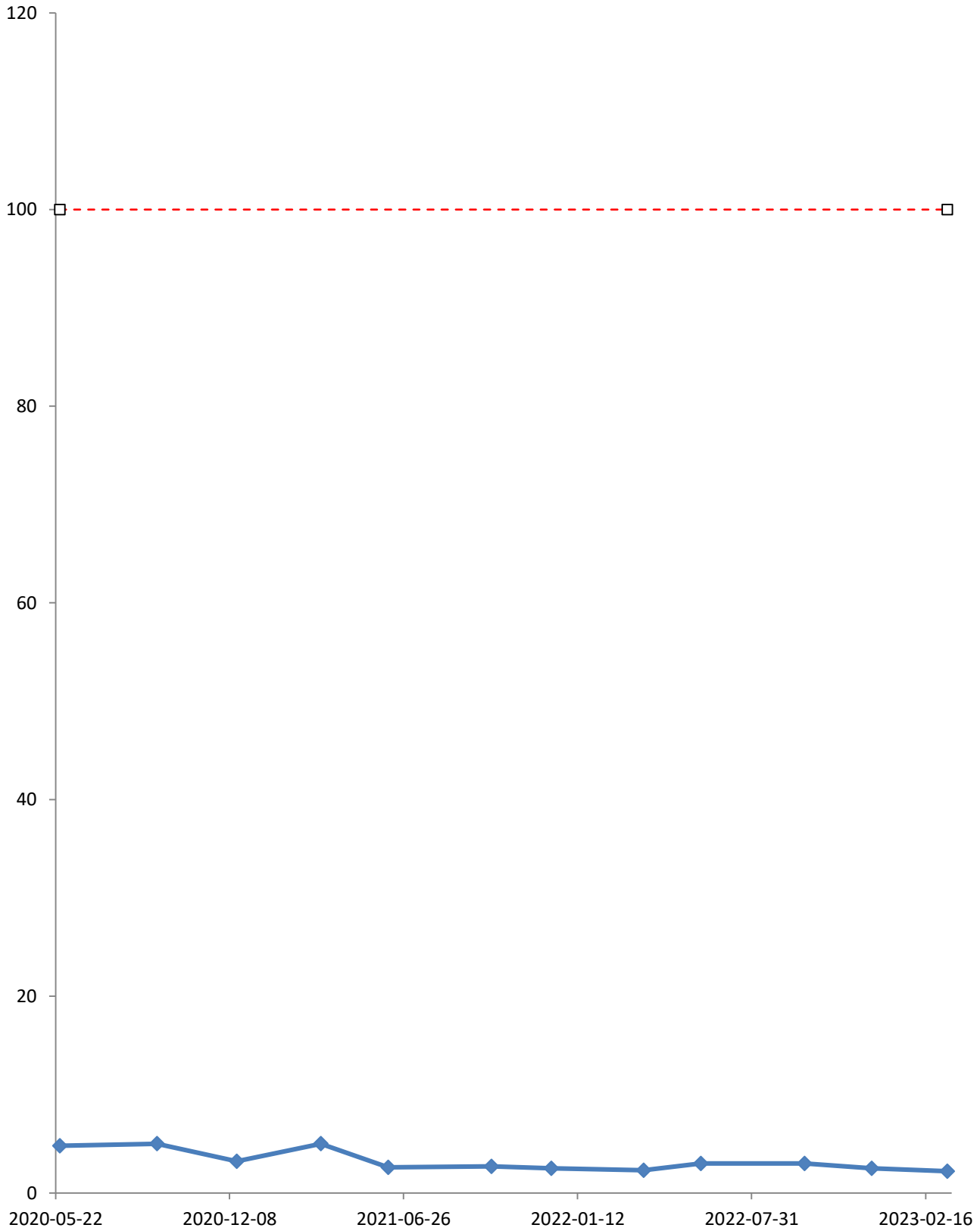


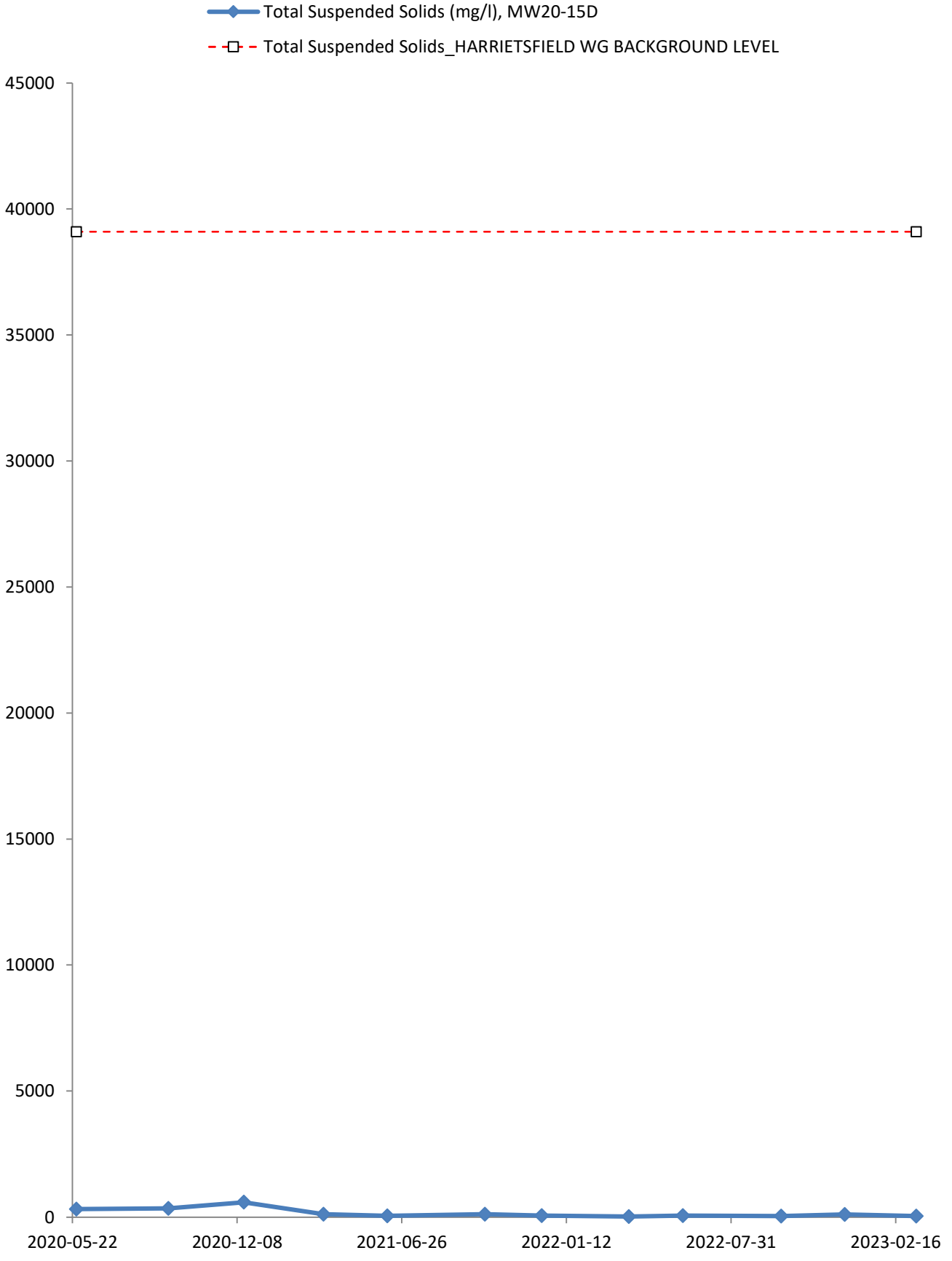


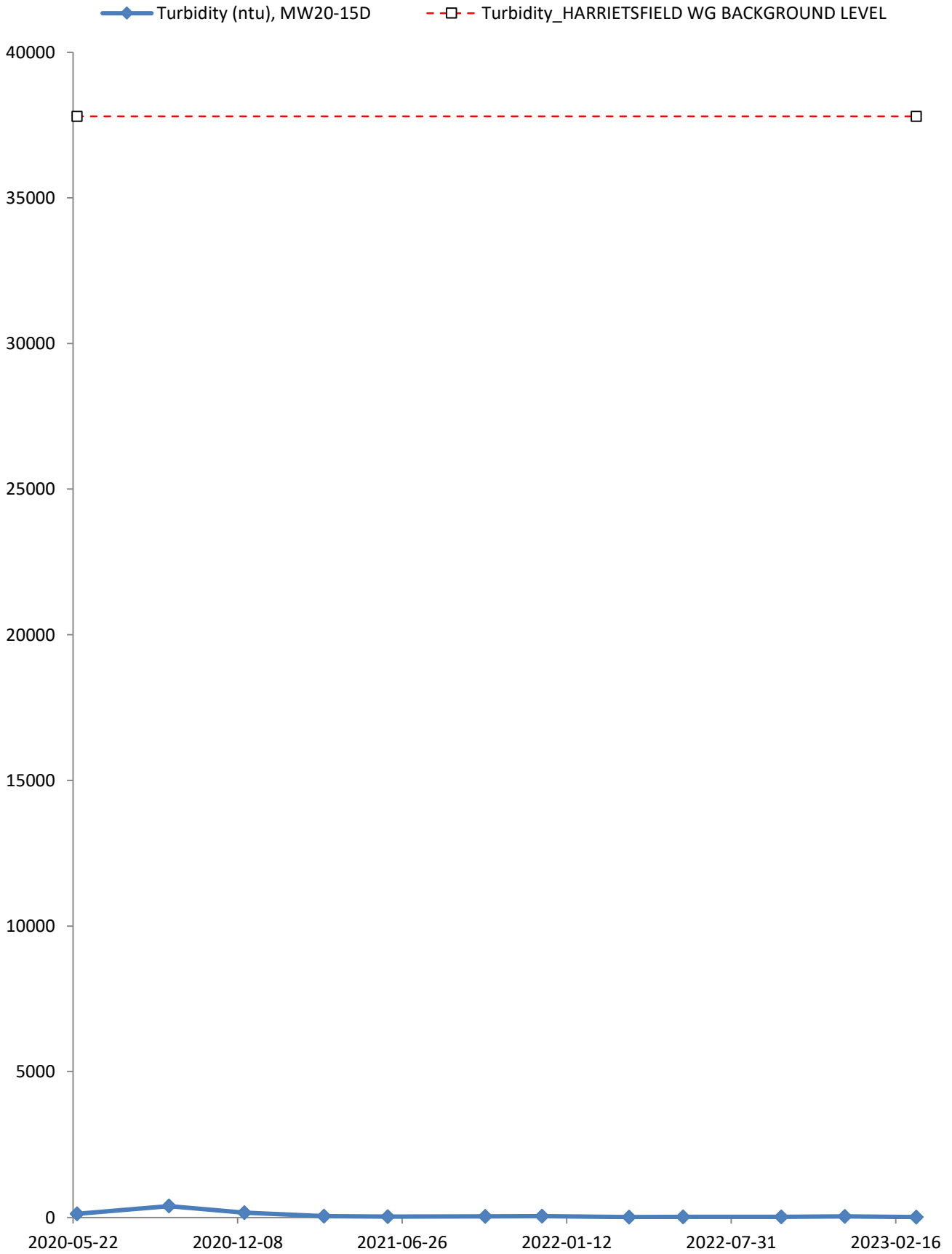


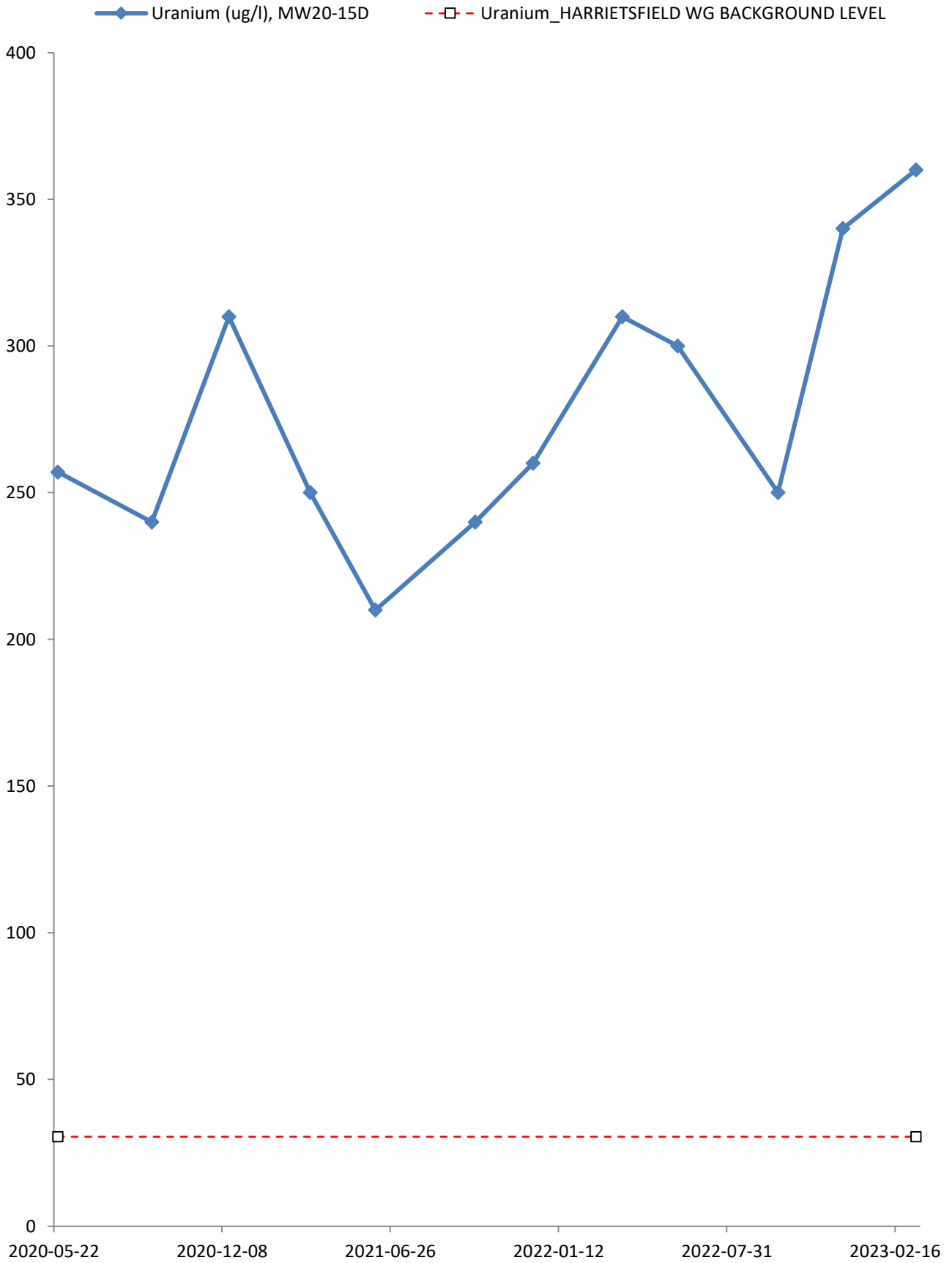


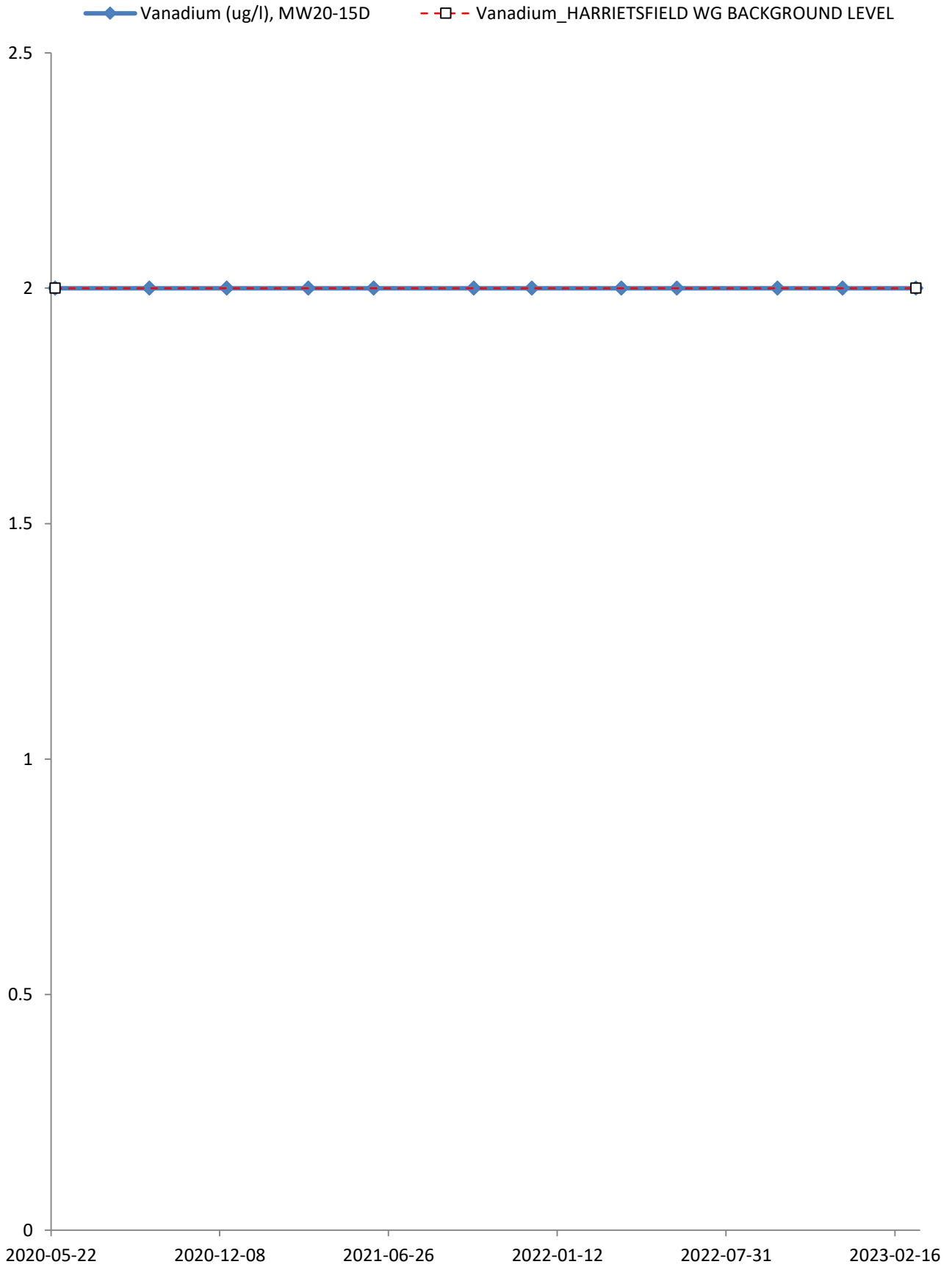
—◆— Total Organic Carbon (mg/l), MW20-15D
- -□- - Total Organic Carbon_HARRIETSFIELD WG BACKGROUND LEVEL

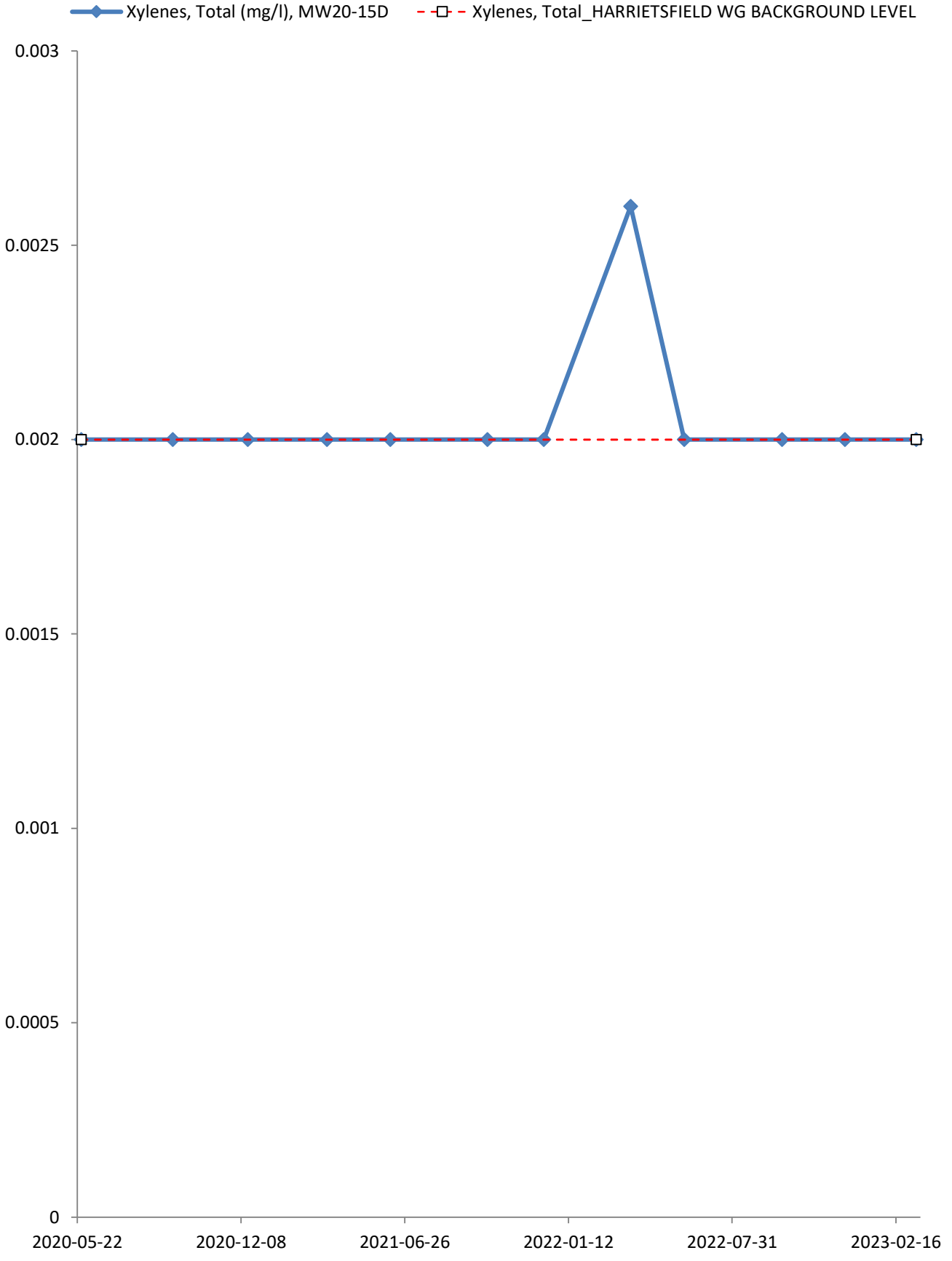


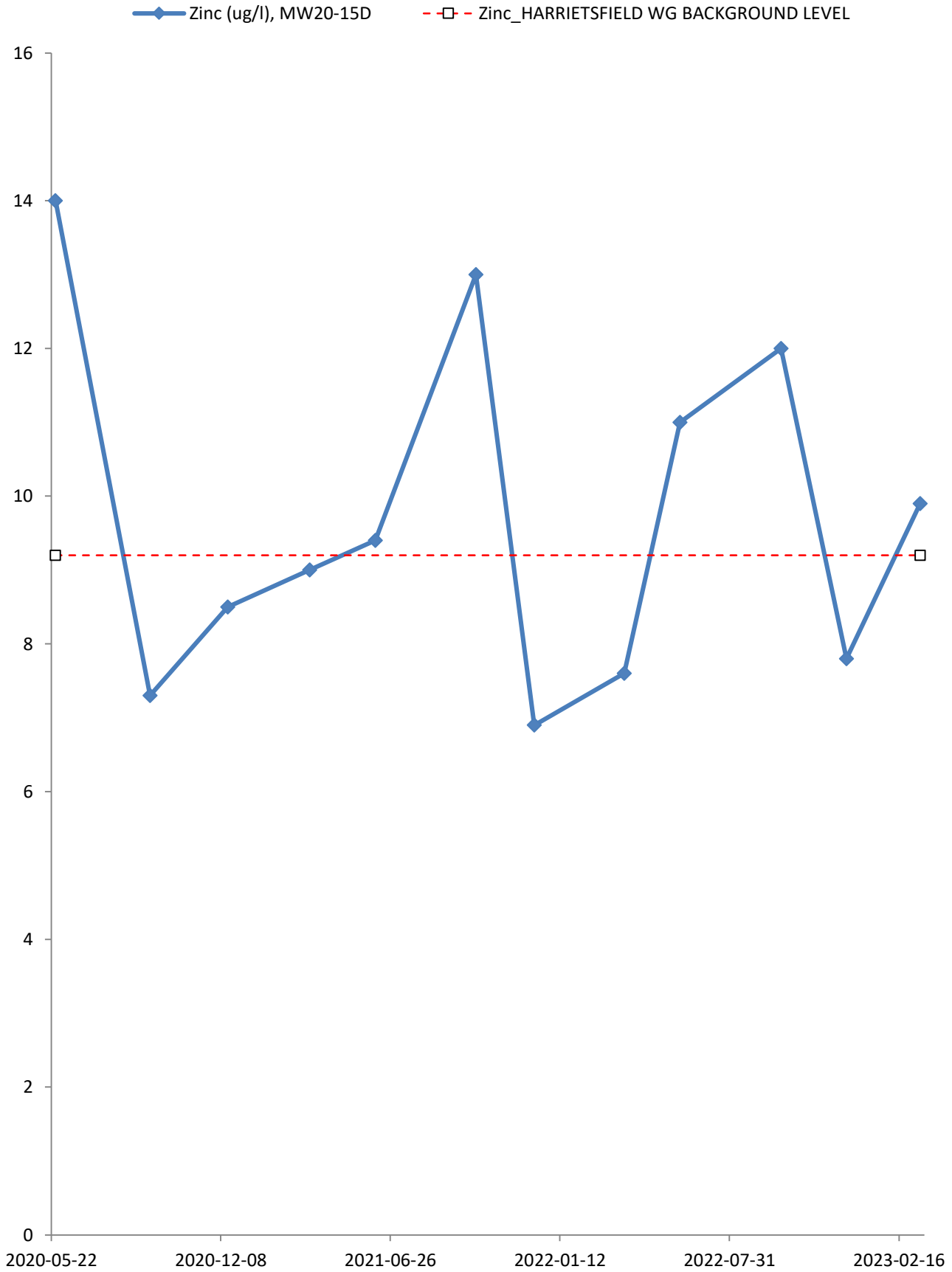




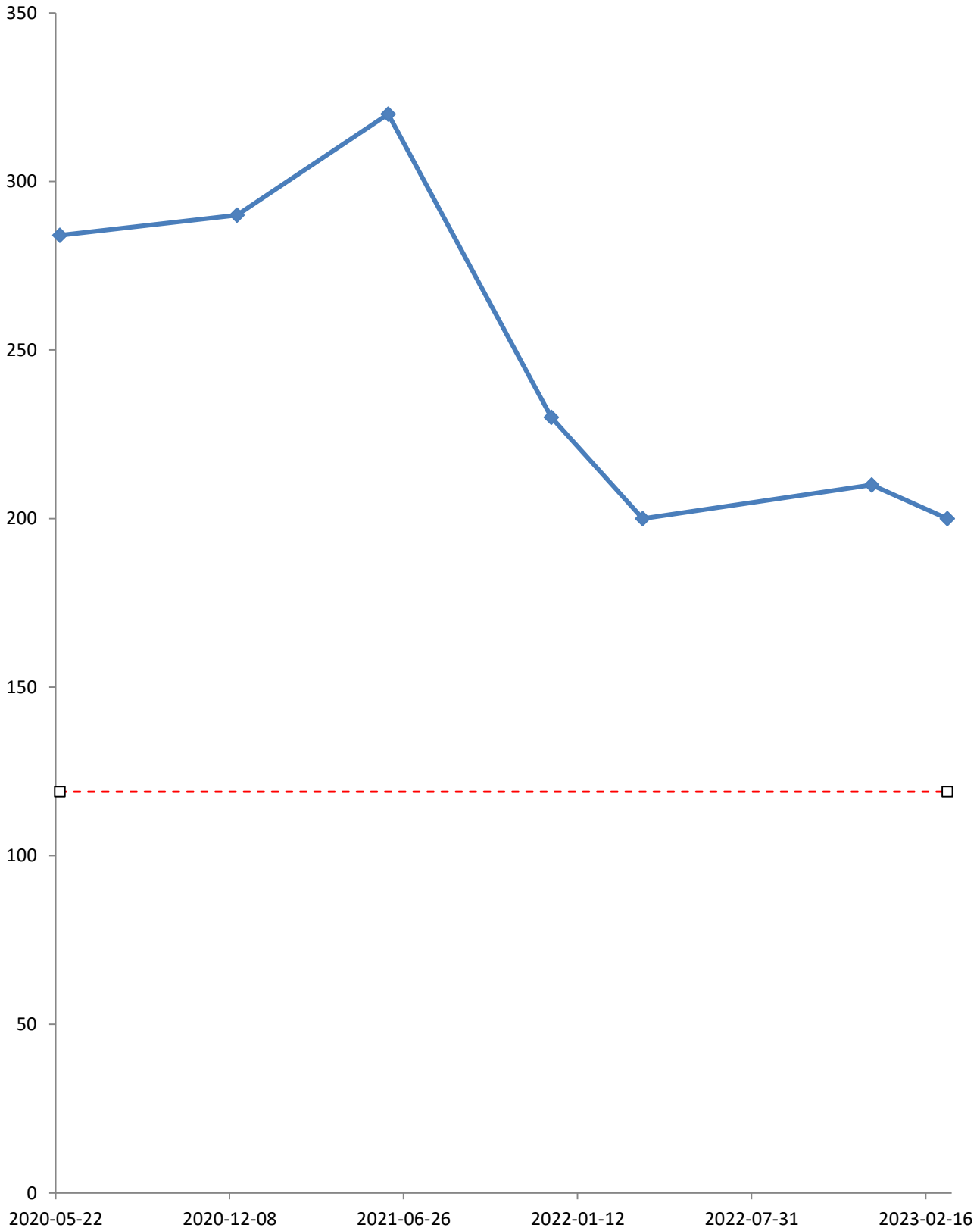




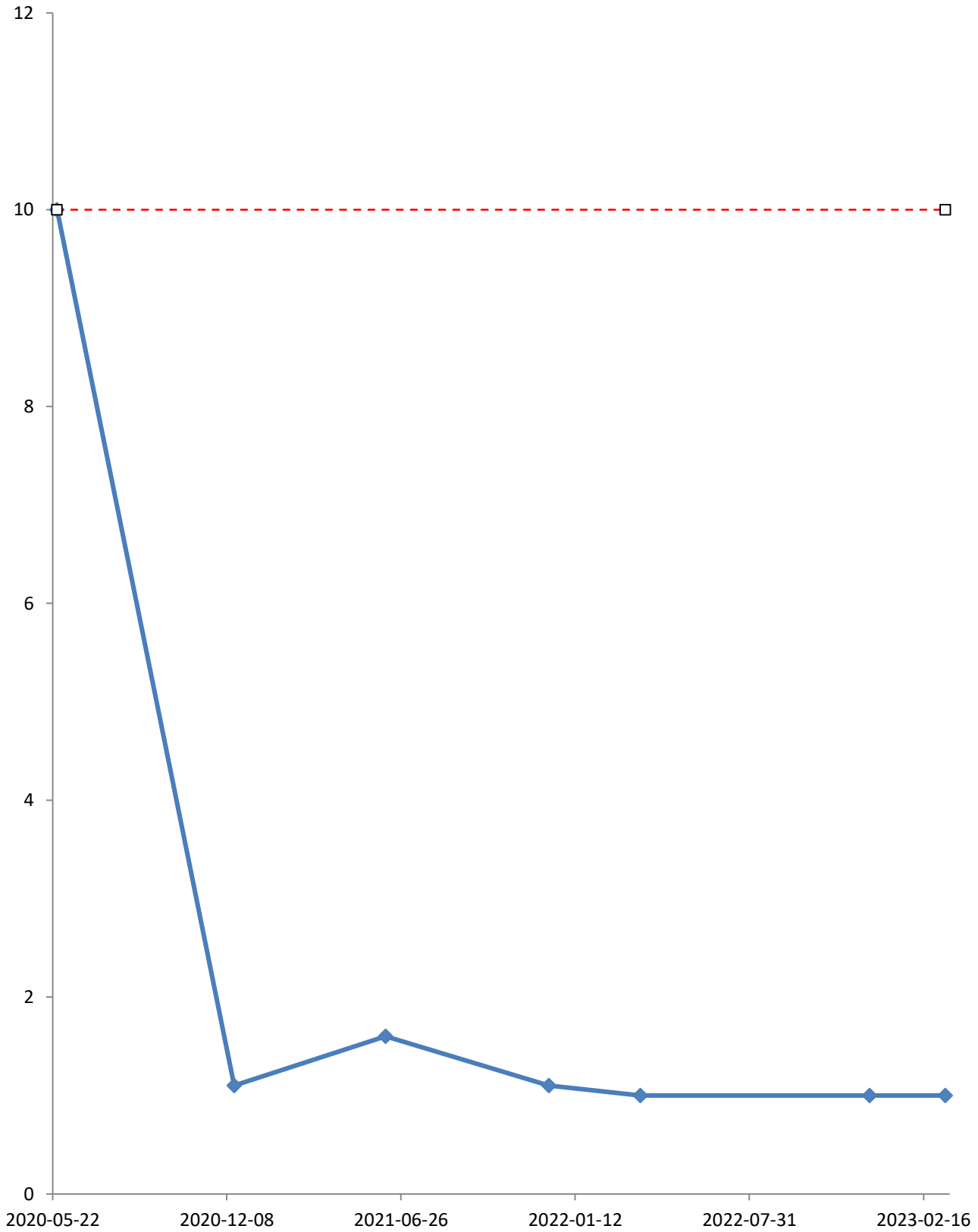


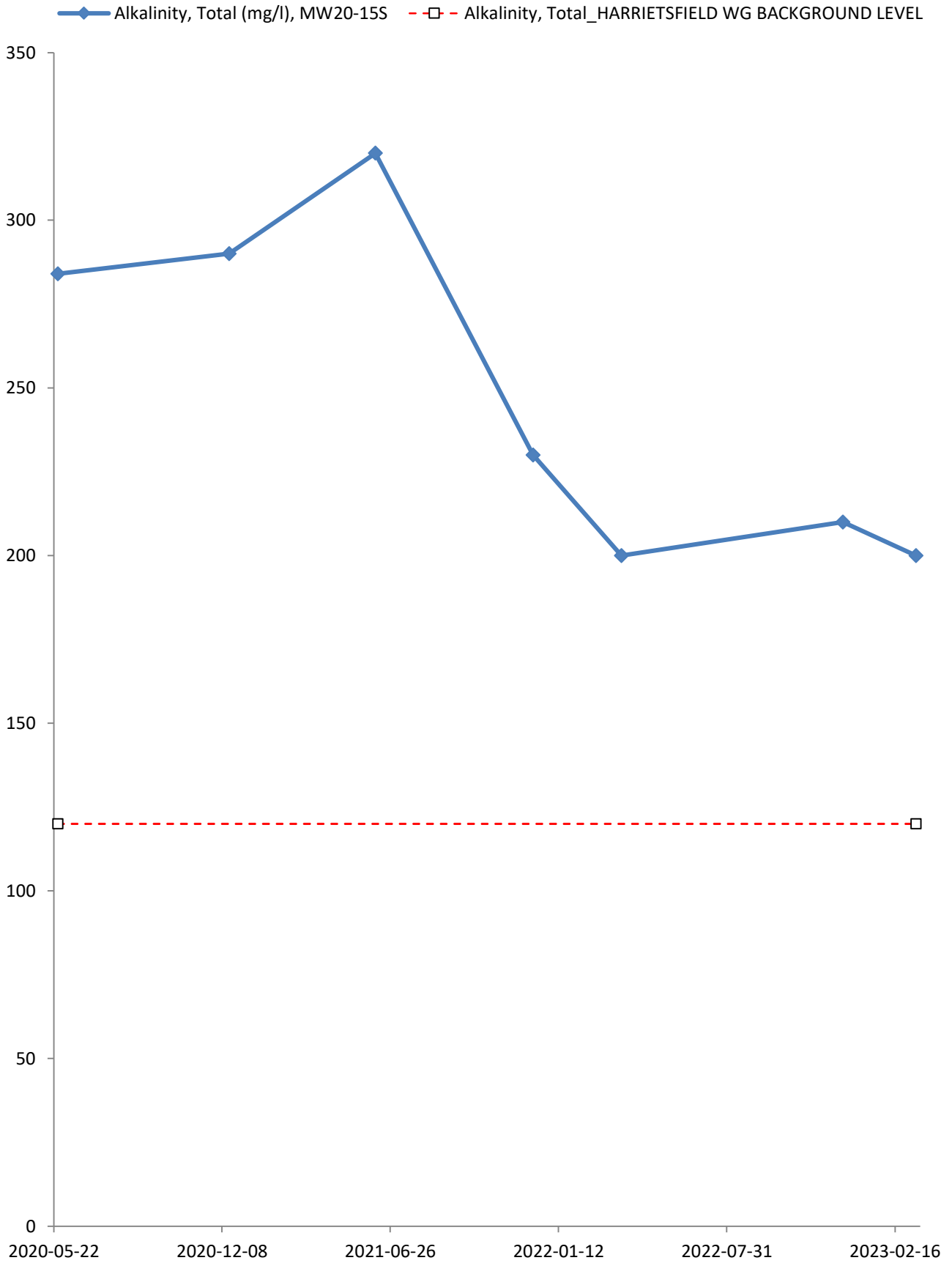


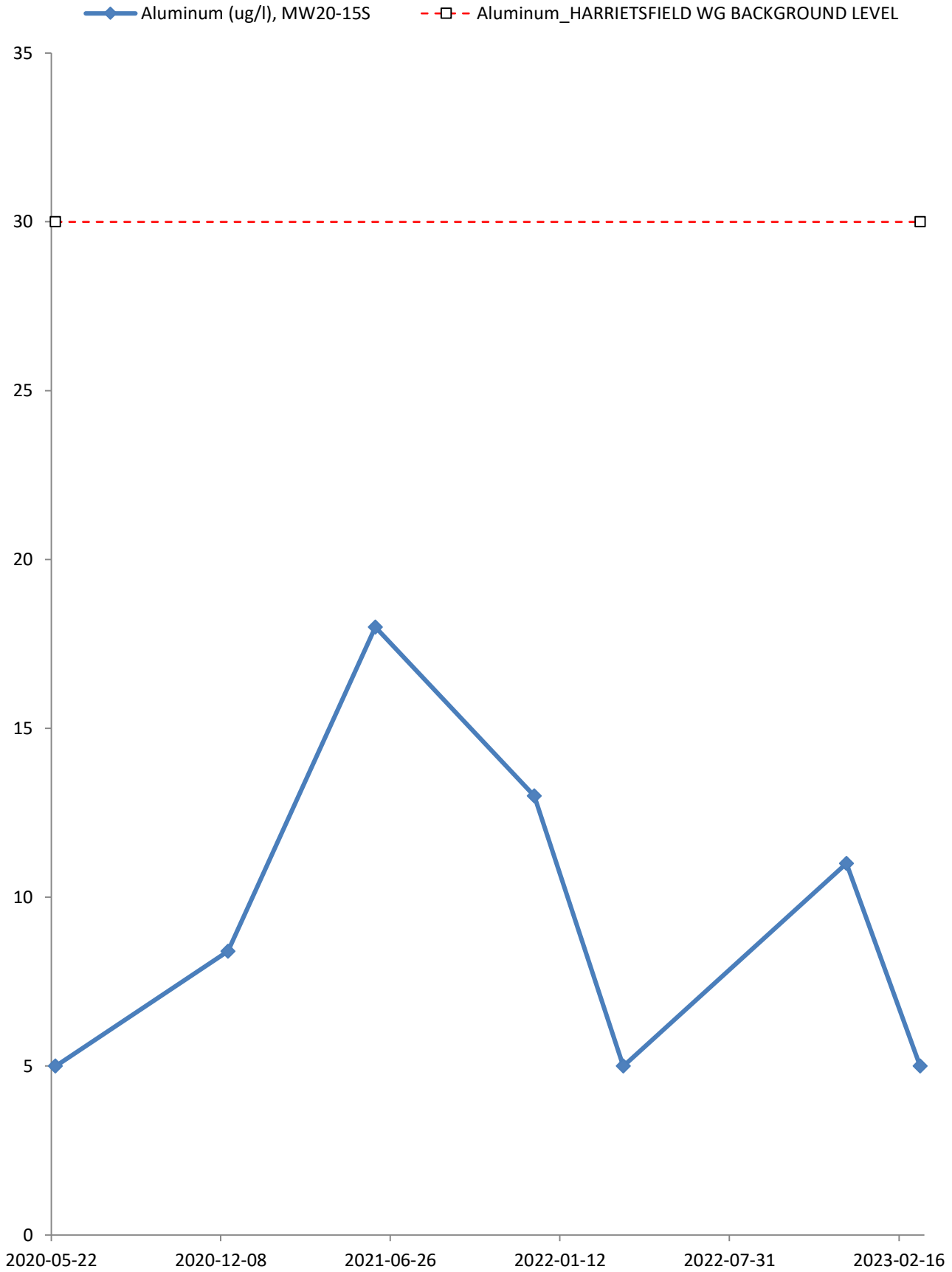
—◆— Alkalinity, Bicarbonate (mg/l), MW20-15S
- -□- - Alkalinity, Bicarbonate_HARRIETSFIELD WG BACKGROUND LEVEL

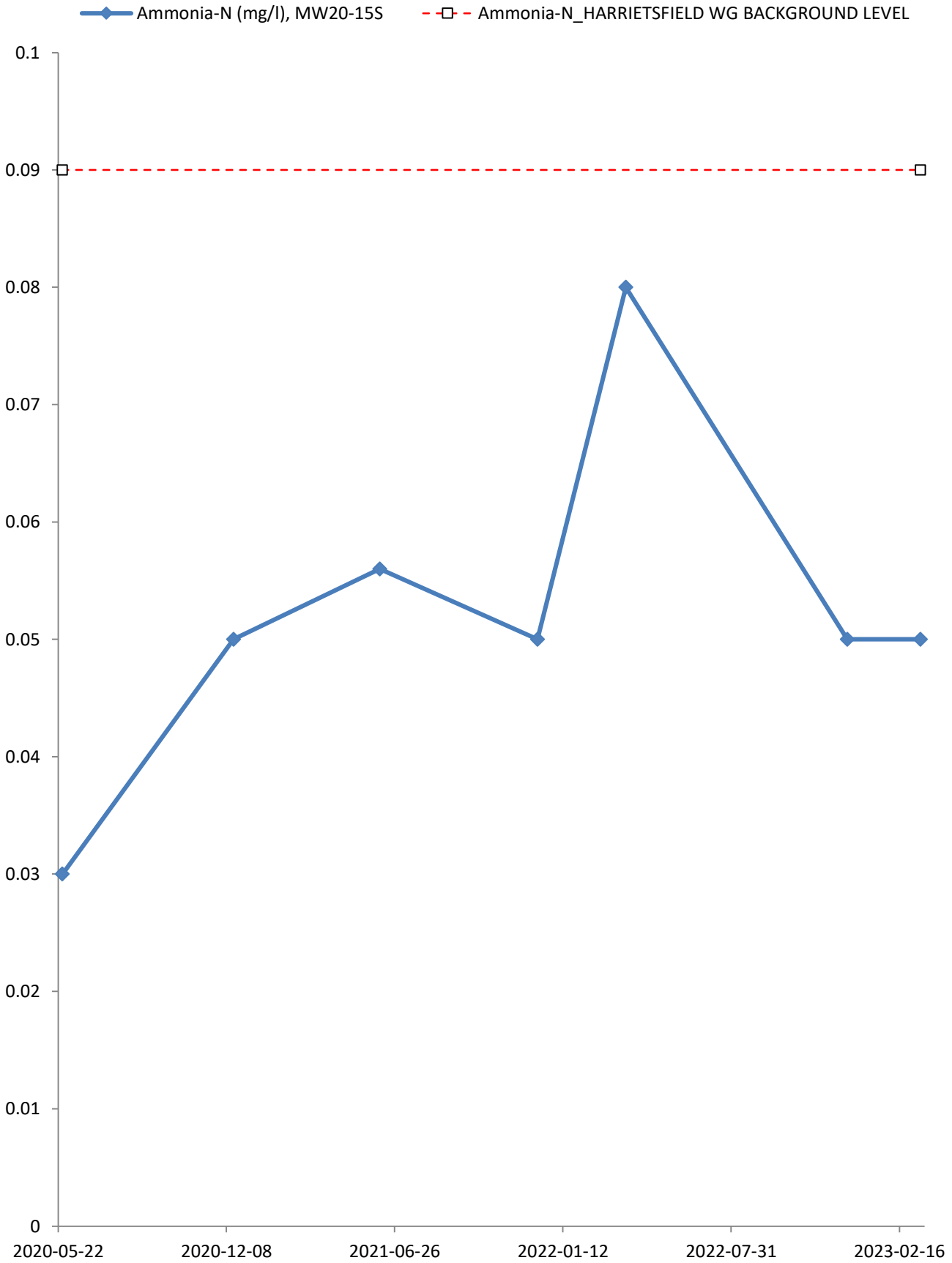


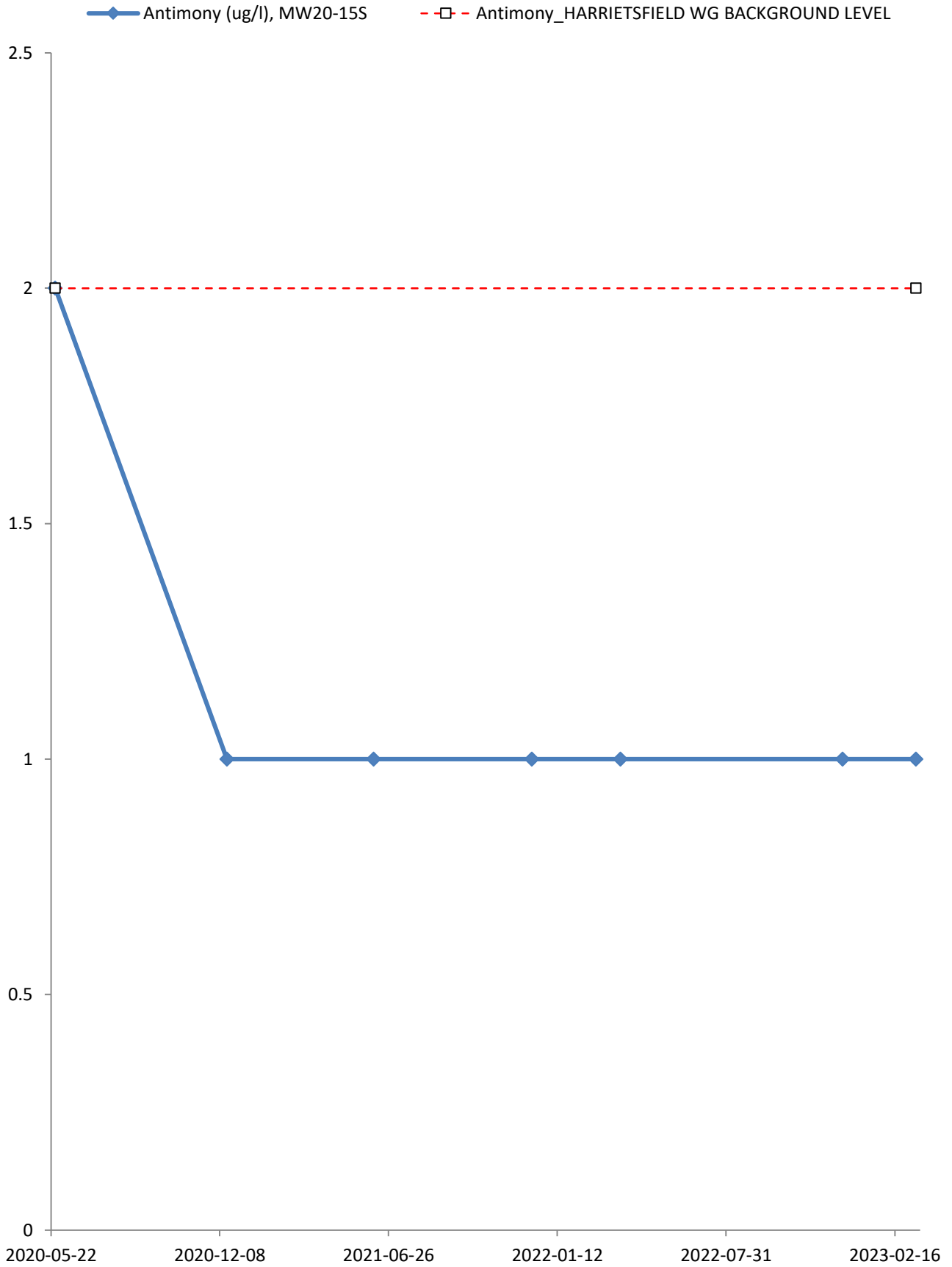
—◆— Alkalinity, Carbonate (mg/l), MW20-15S
- -□- - Alkalinity, Carbonate_HARRIETSFIELD WG BACKGROUND LEVEL

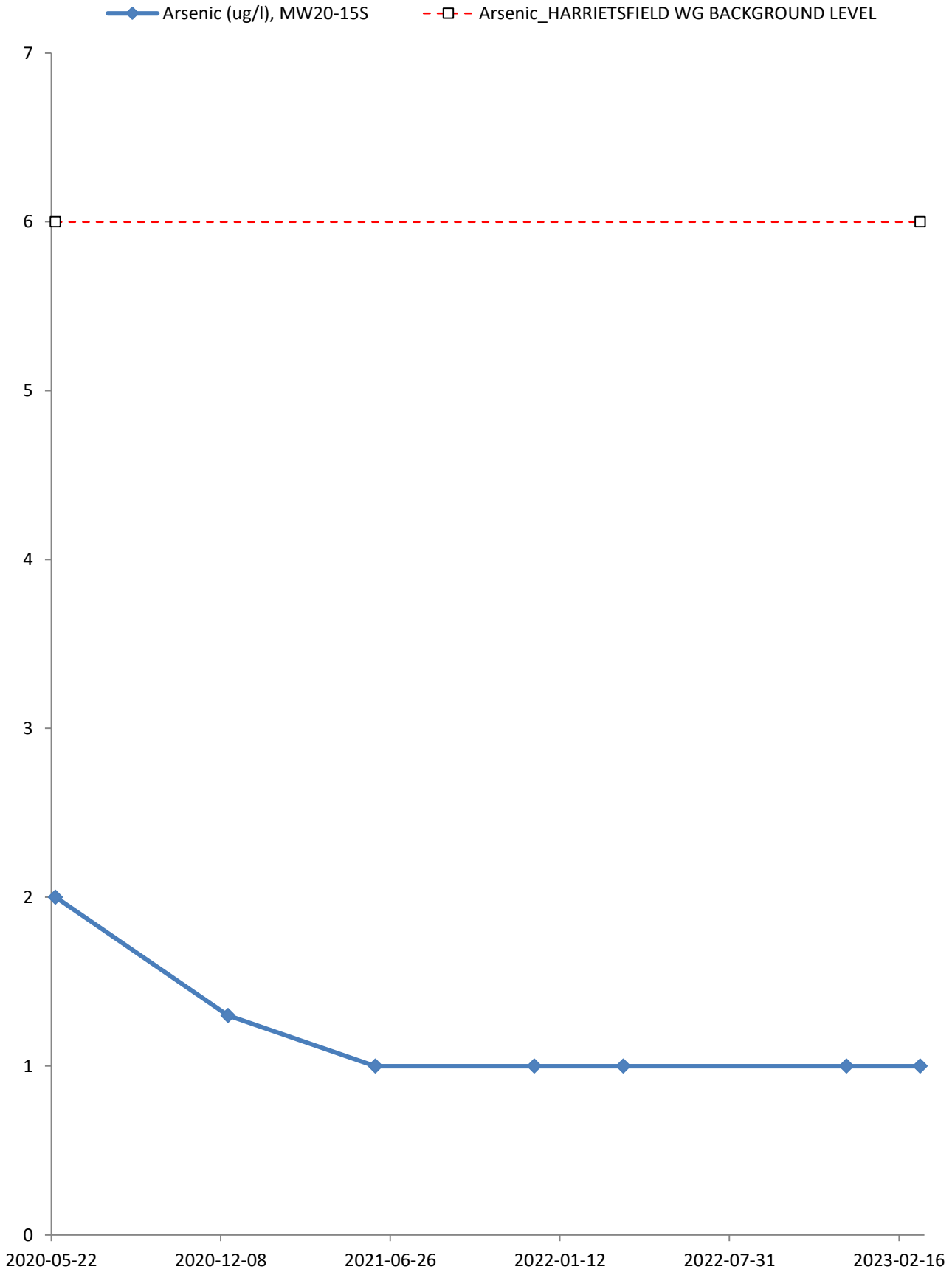


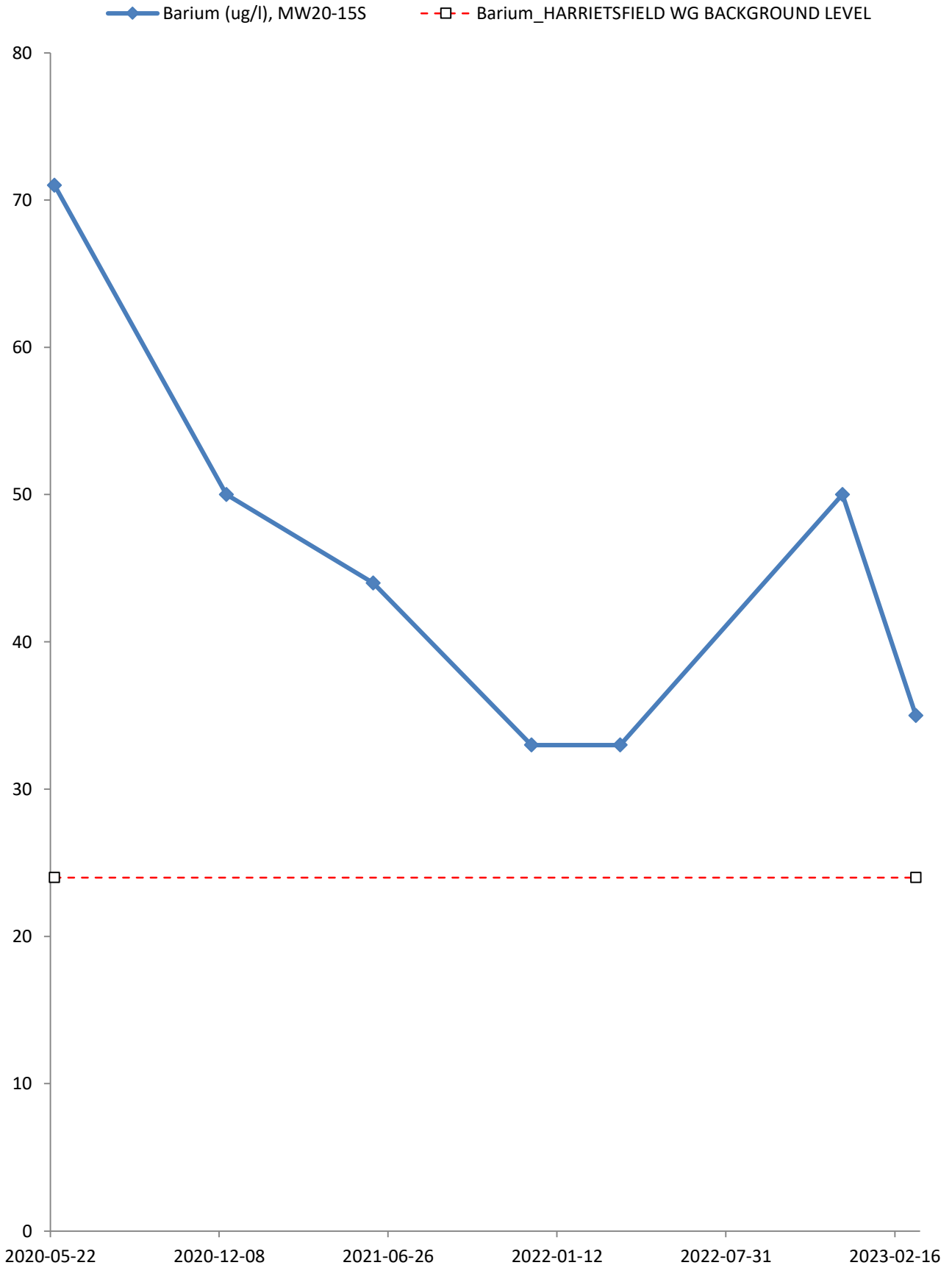


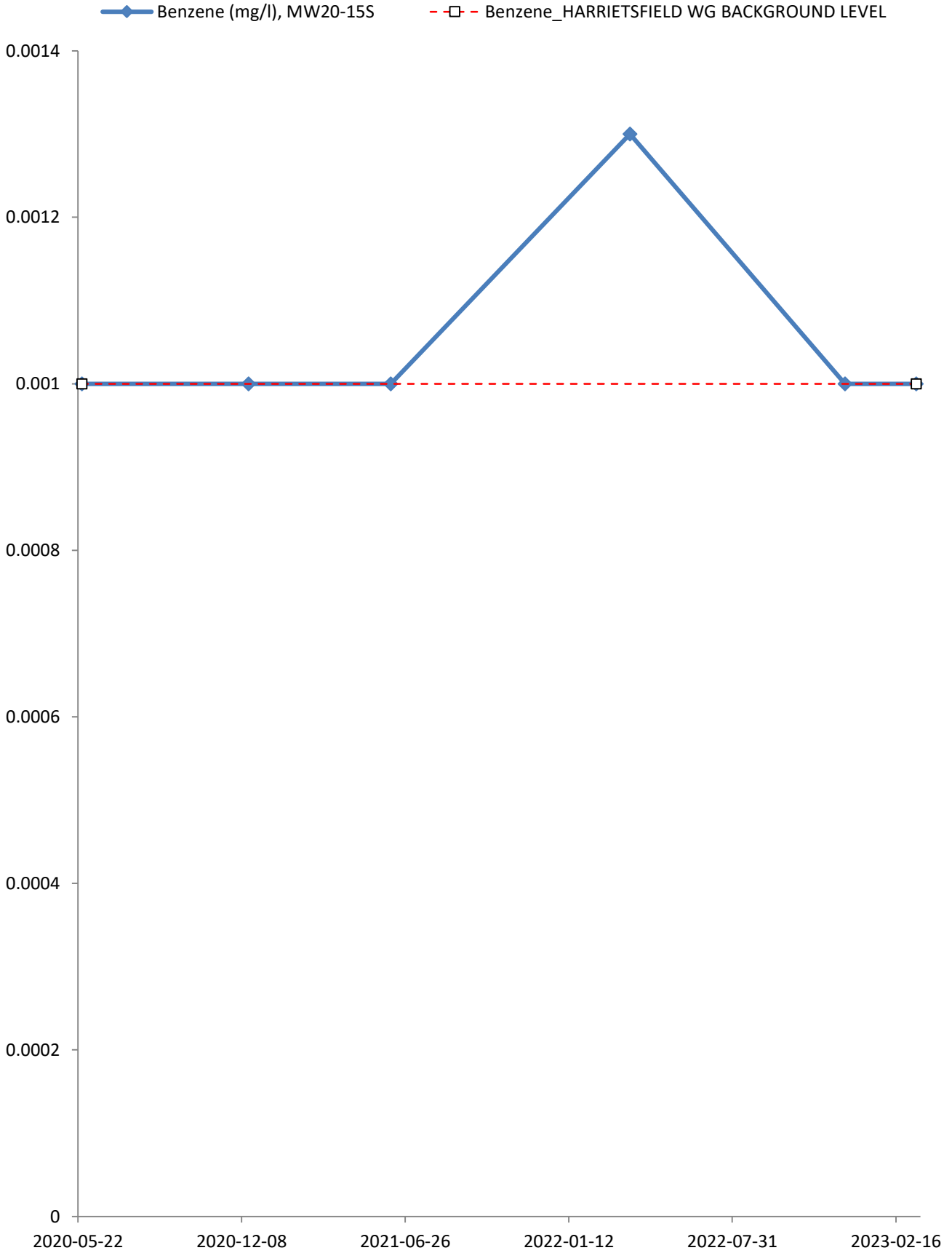


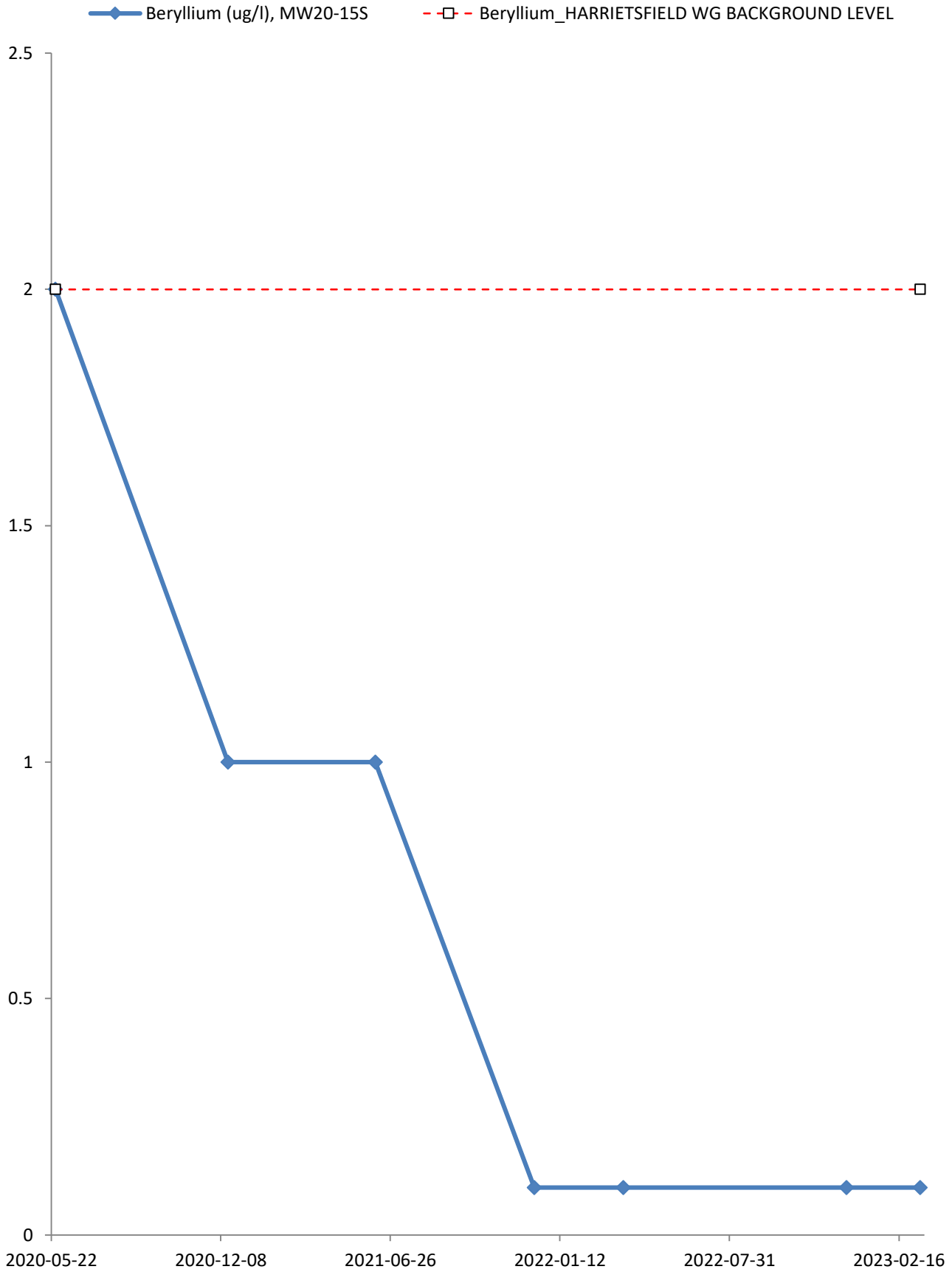


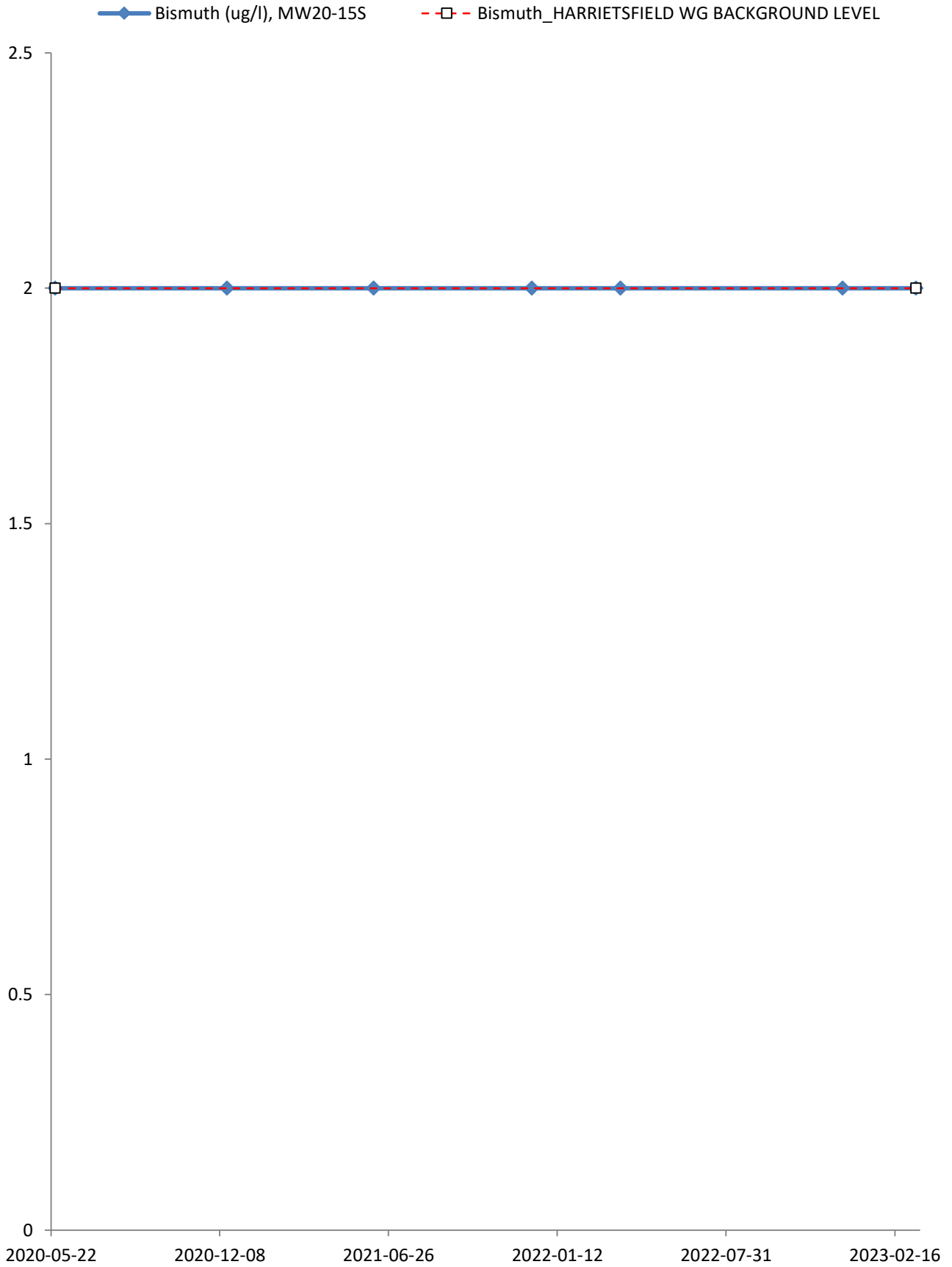


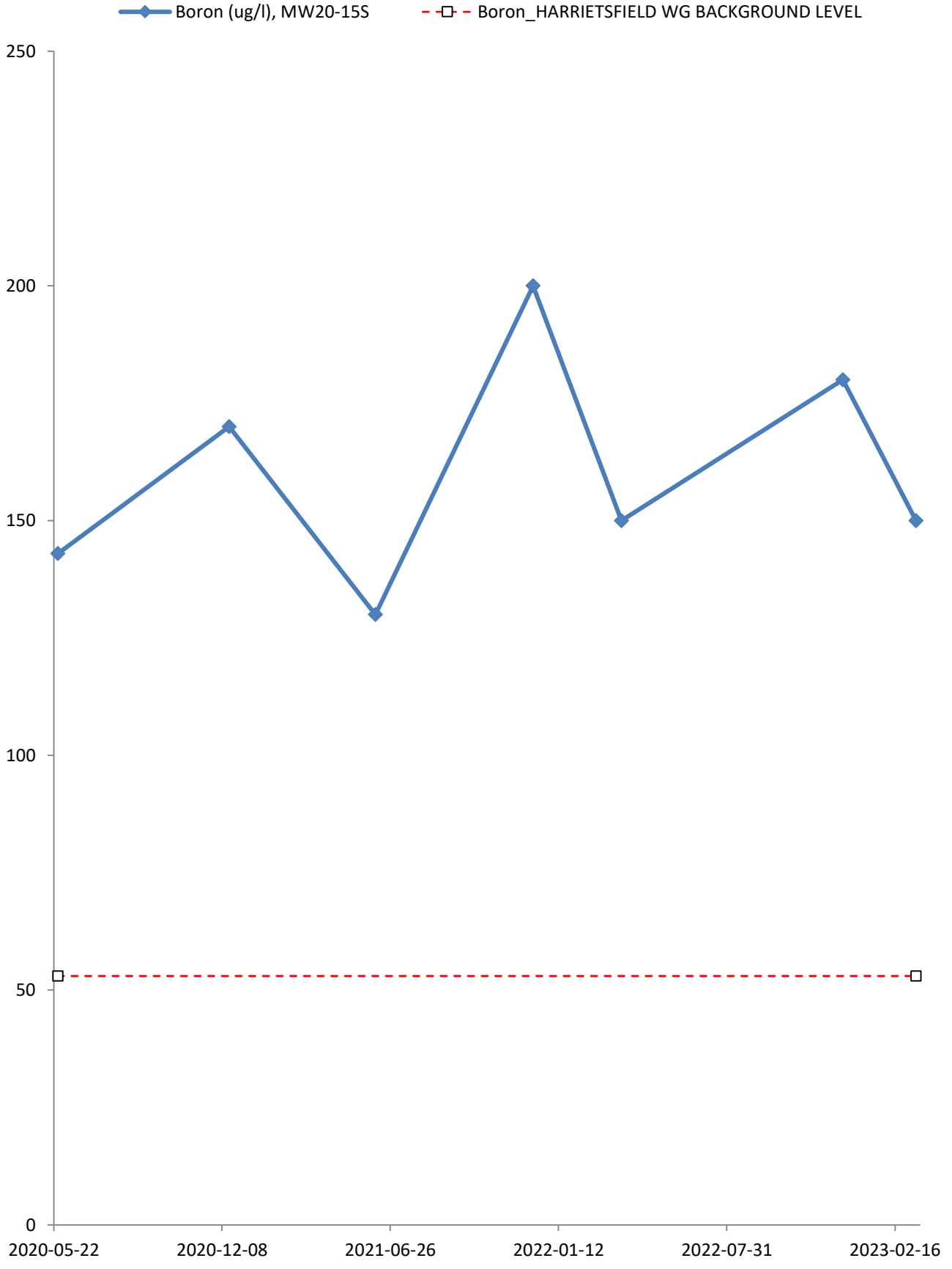


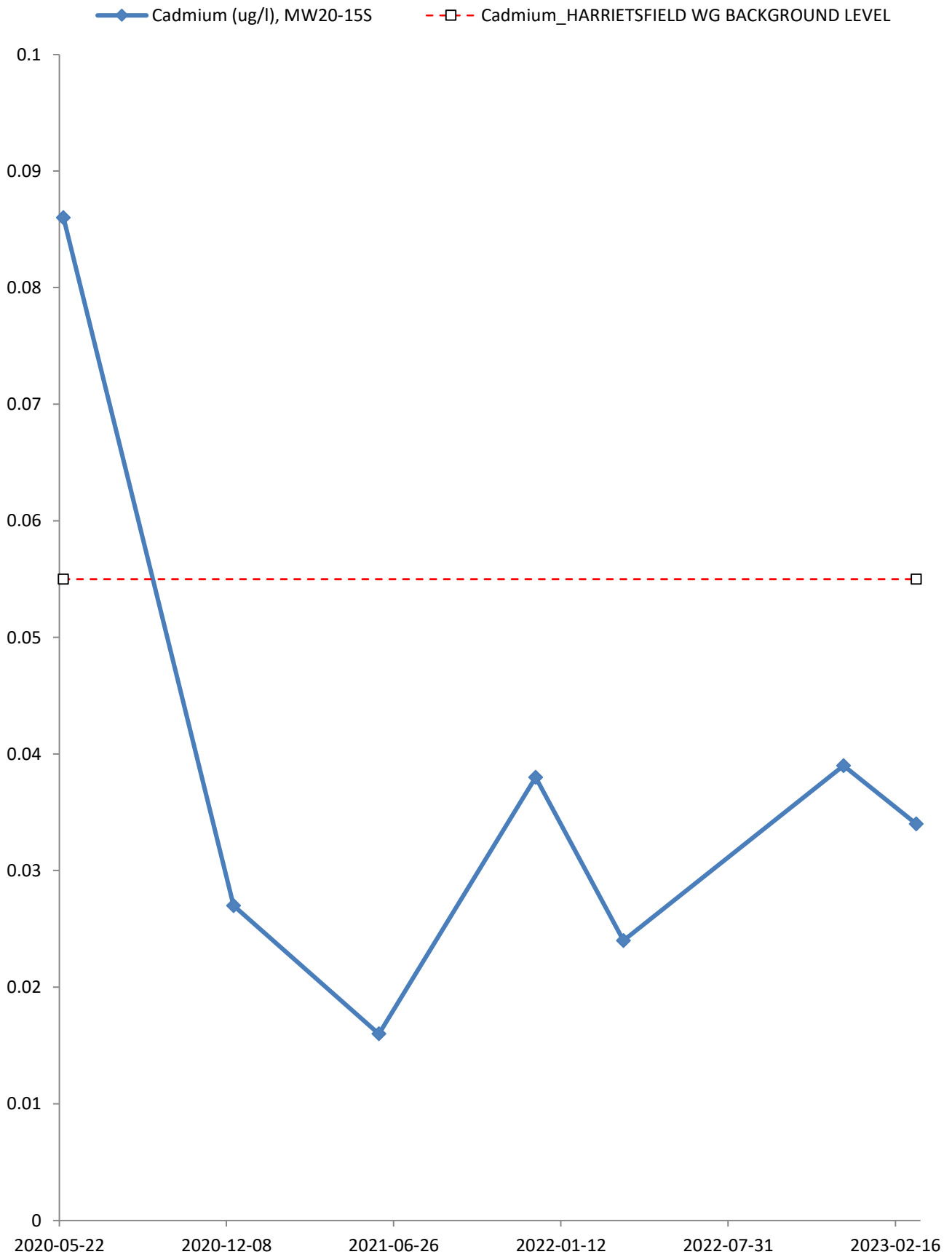


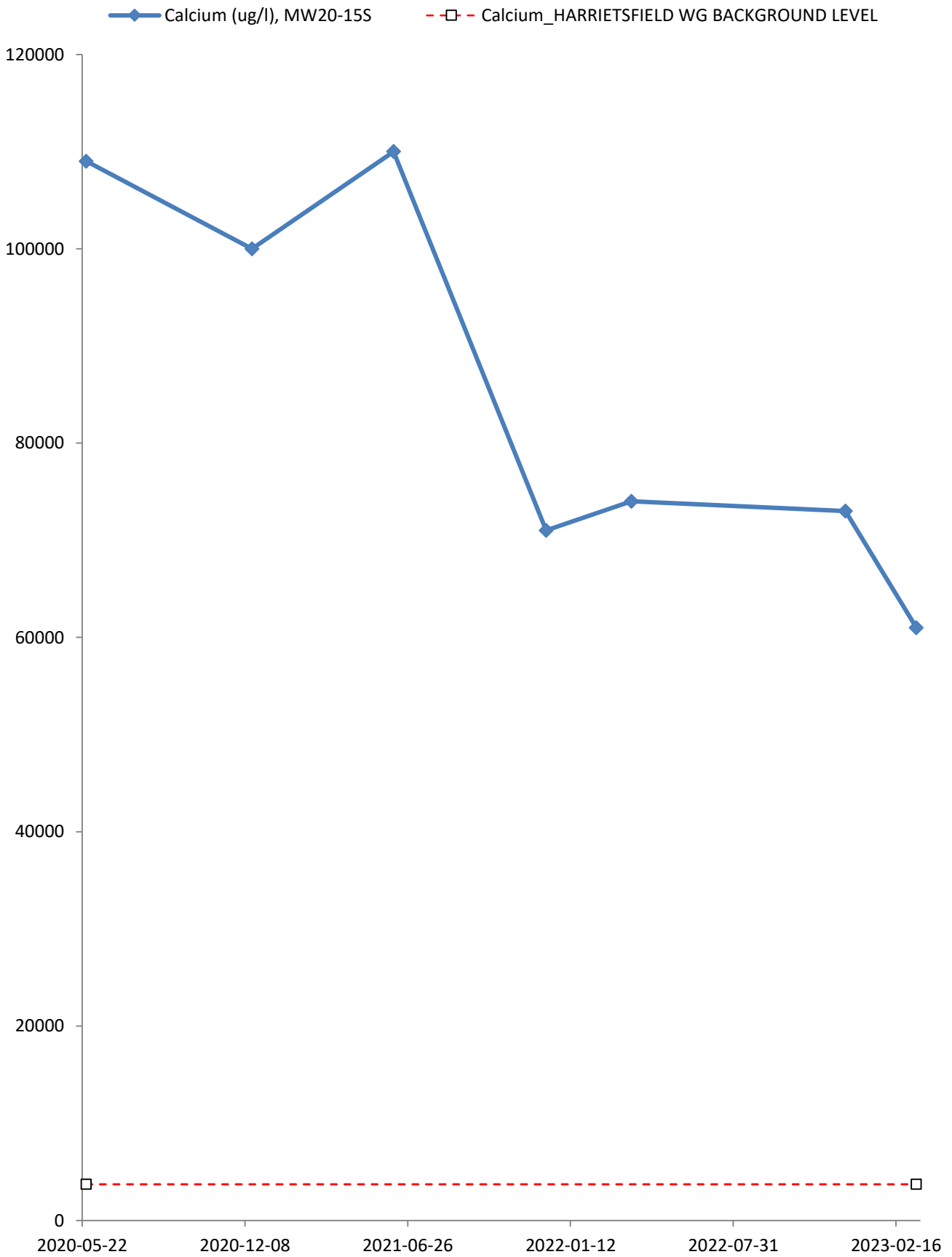




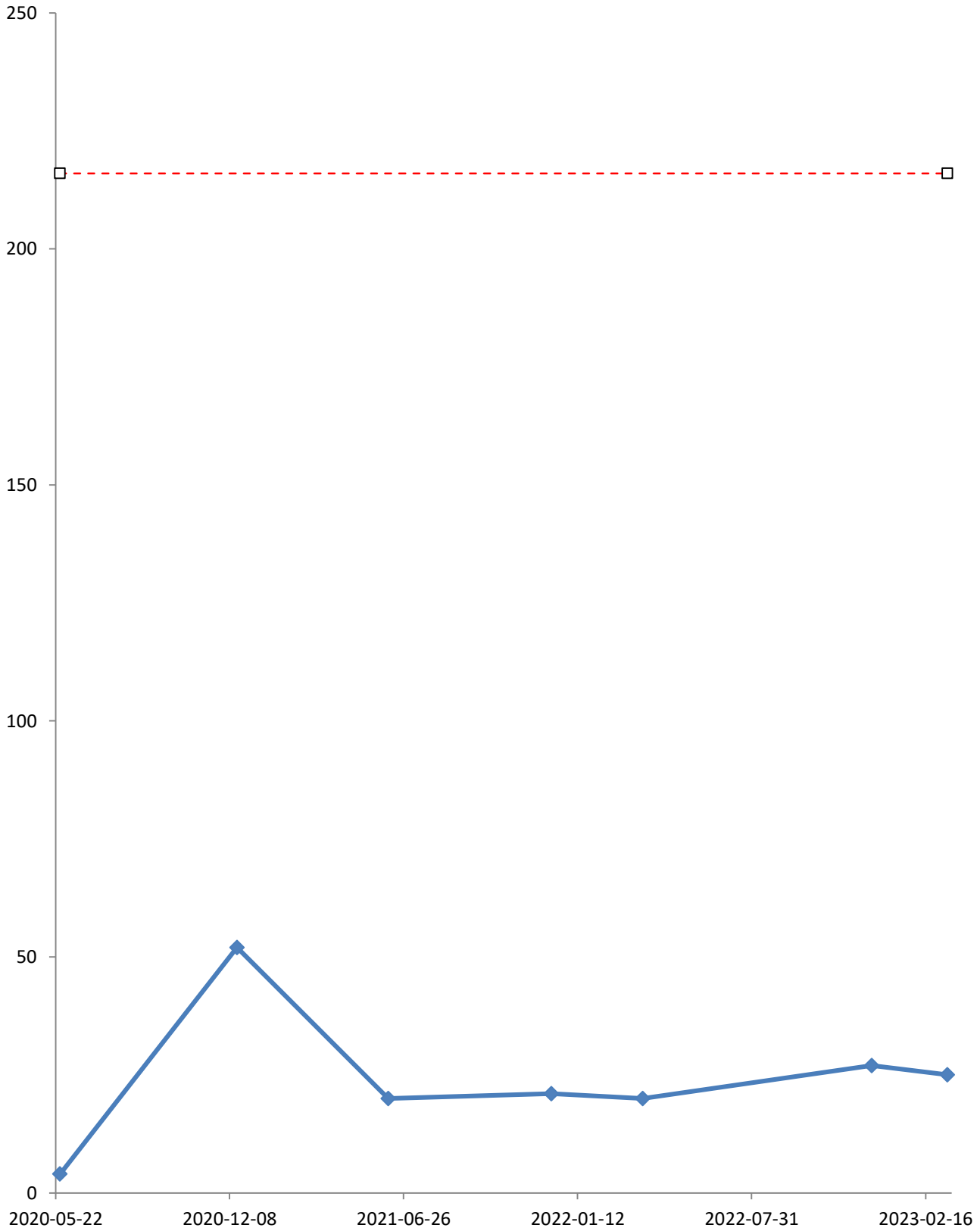


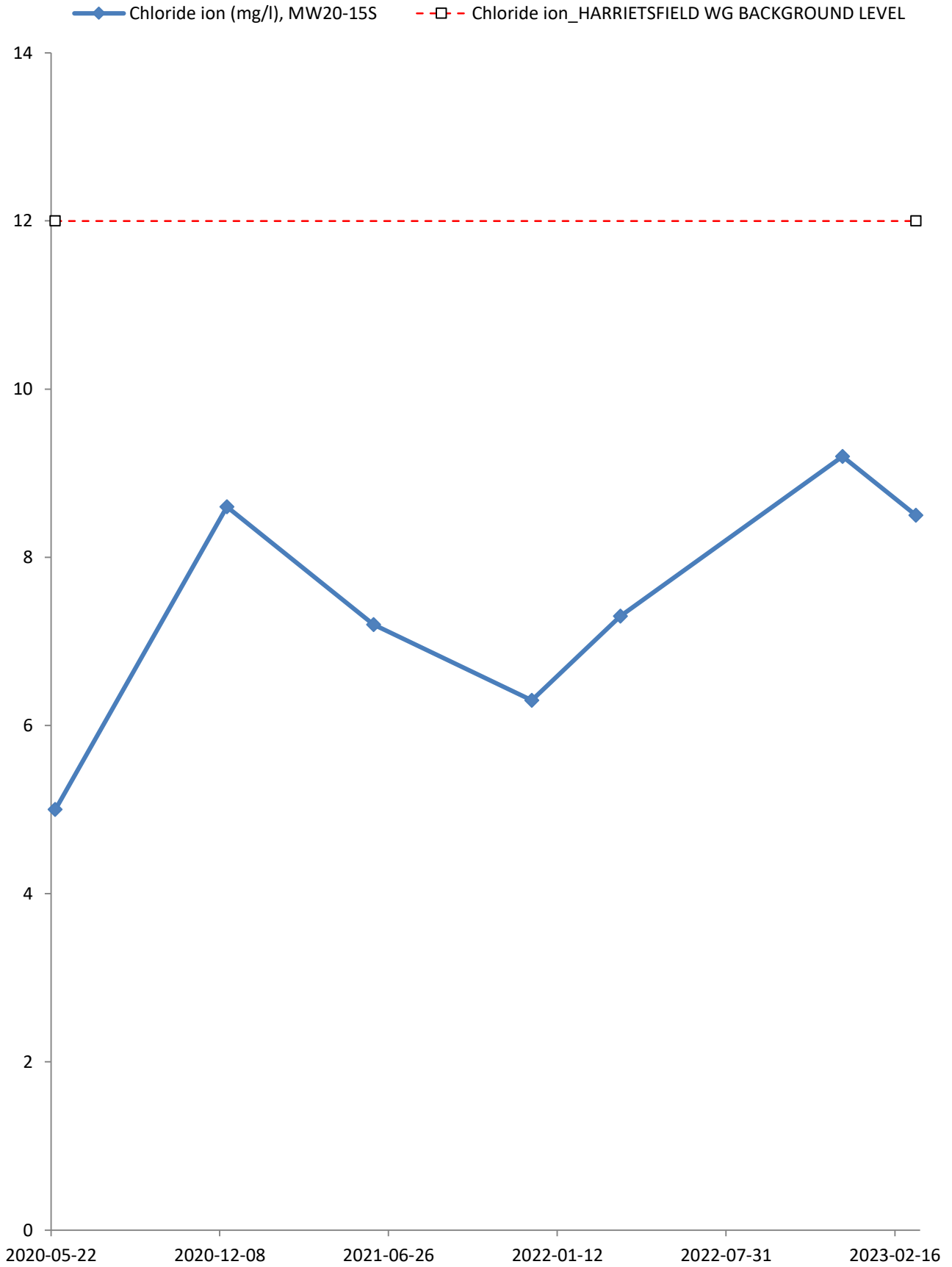


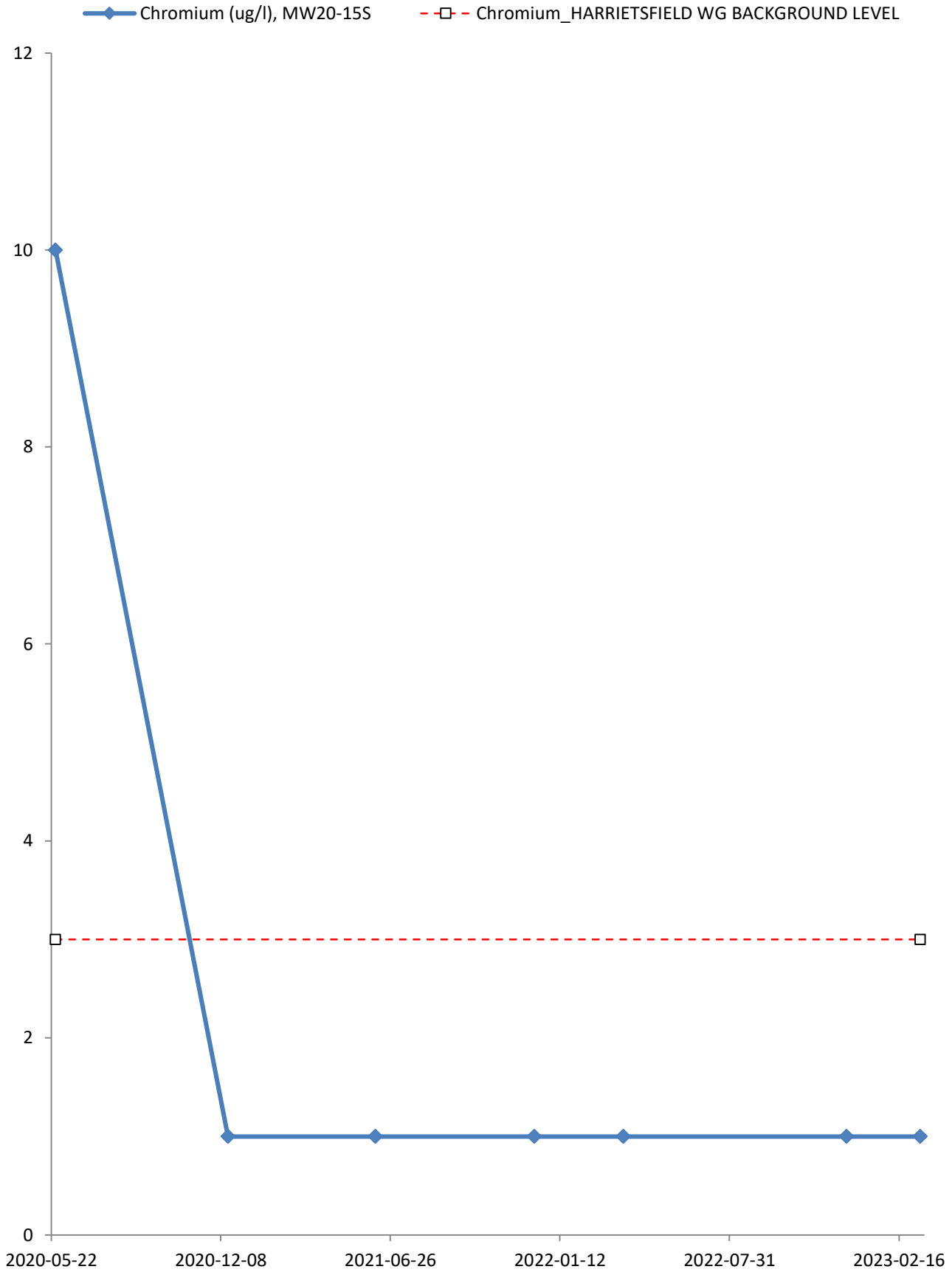


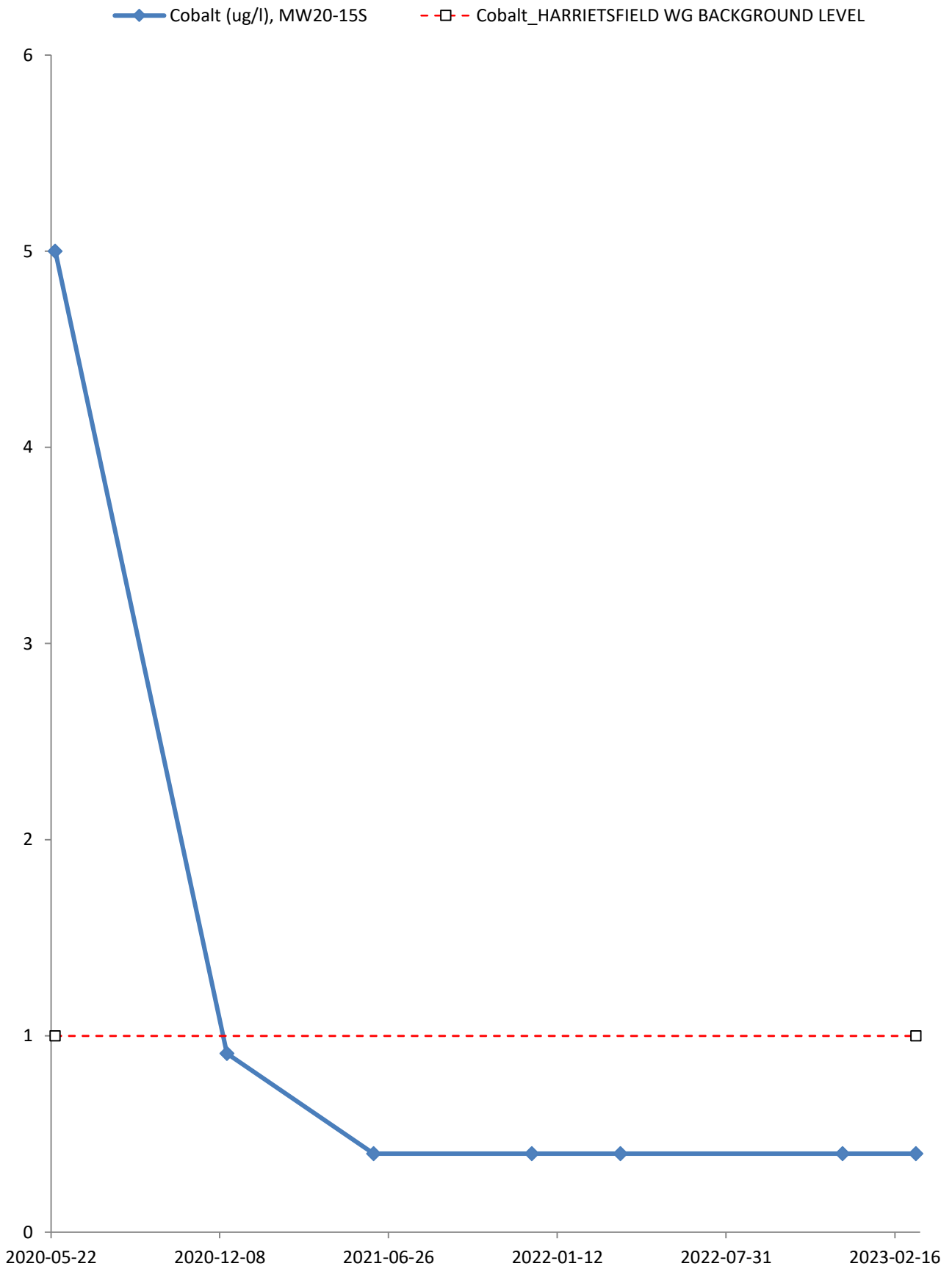


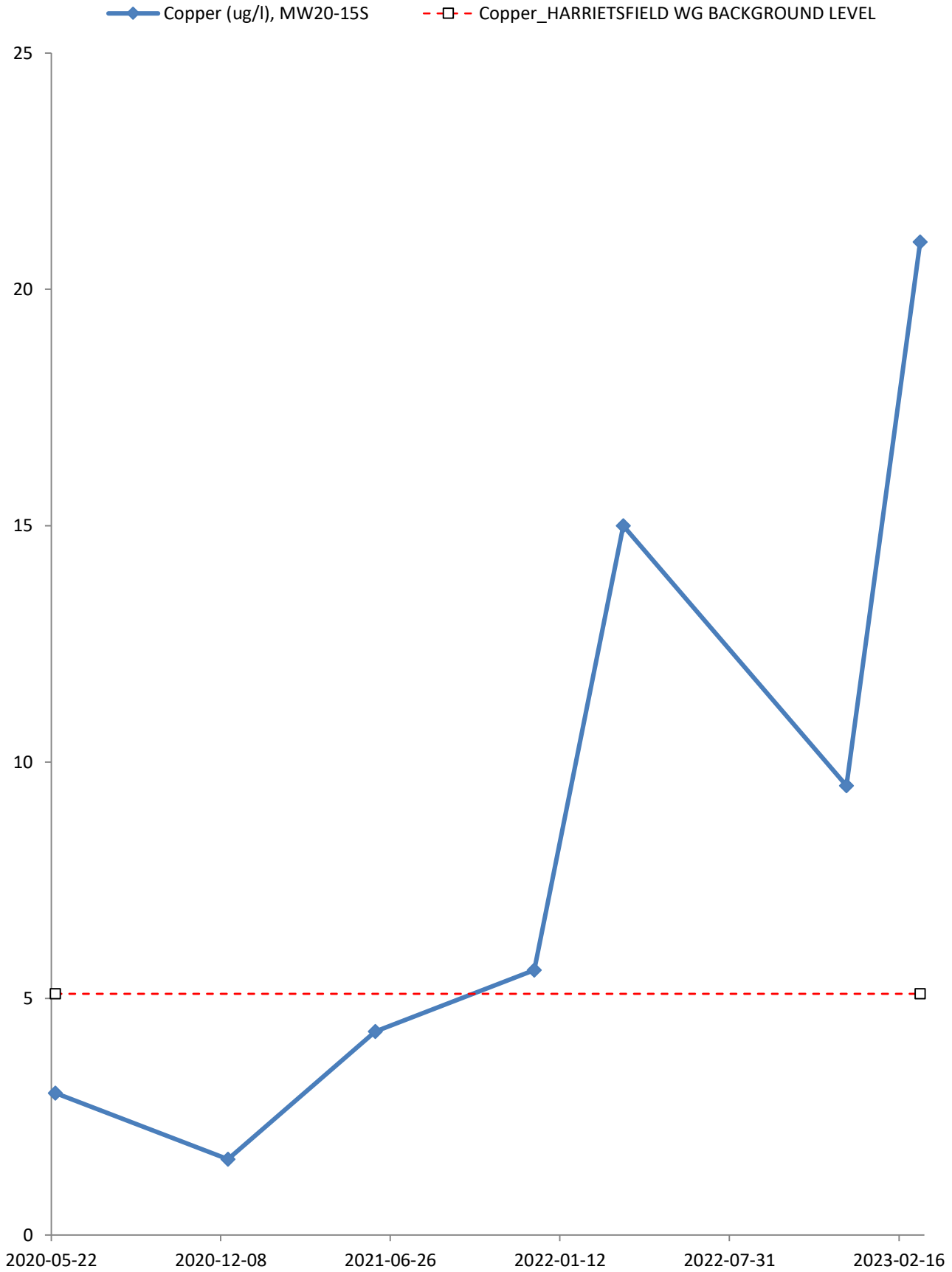
—◆— Chemical Oxygen Demand (mg/l), MW20-15S
- -□- - Chemical Oxygen Demand_HARRIETSFIELD WG BACKGROUND LEVEL



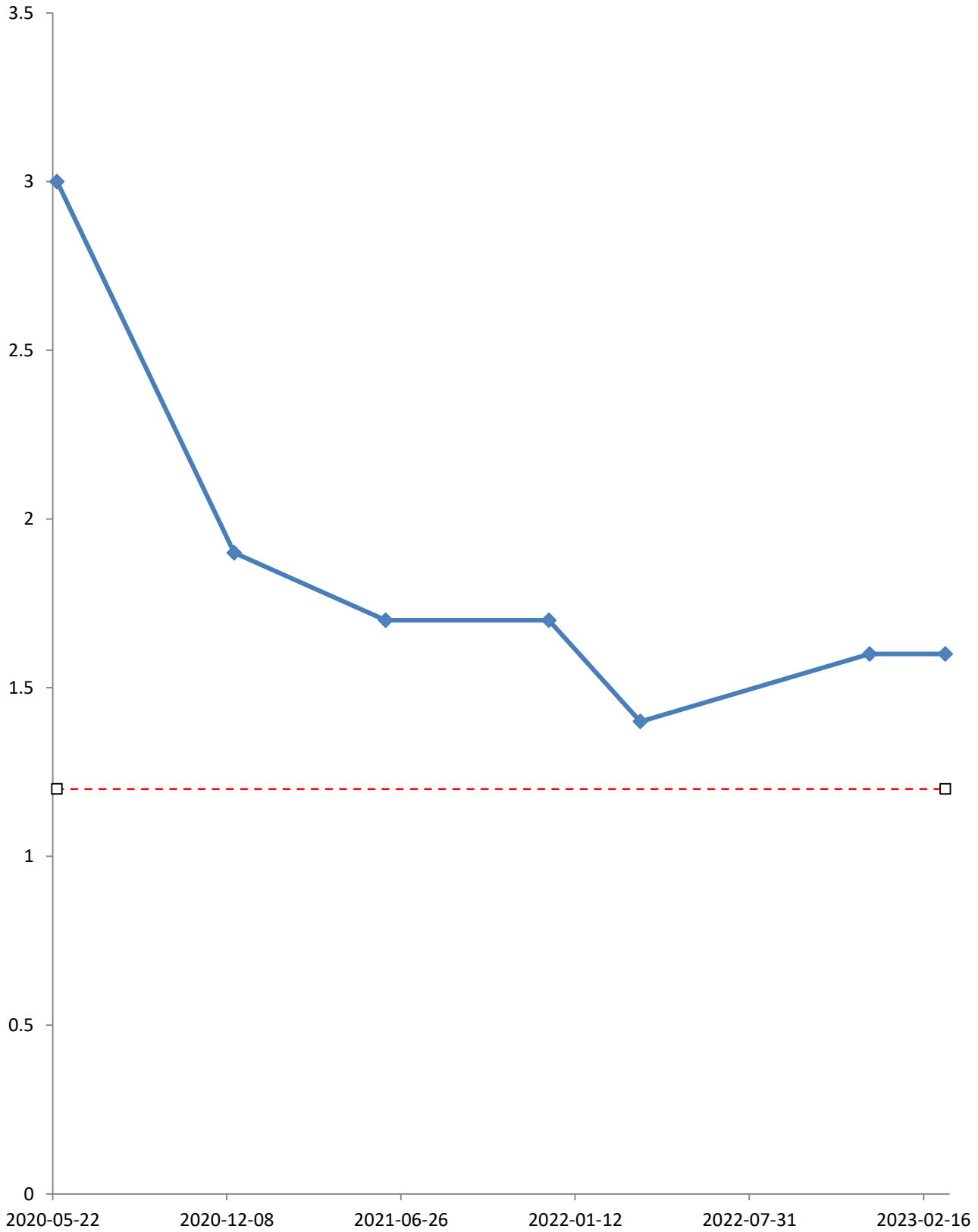




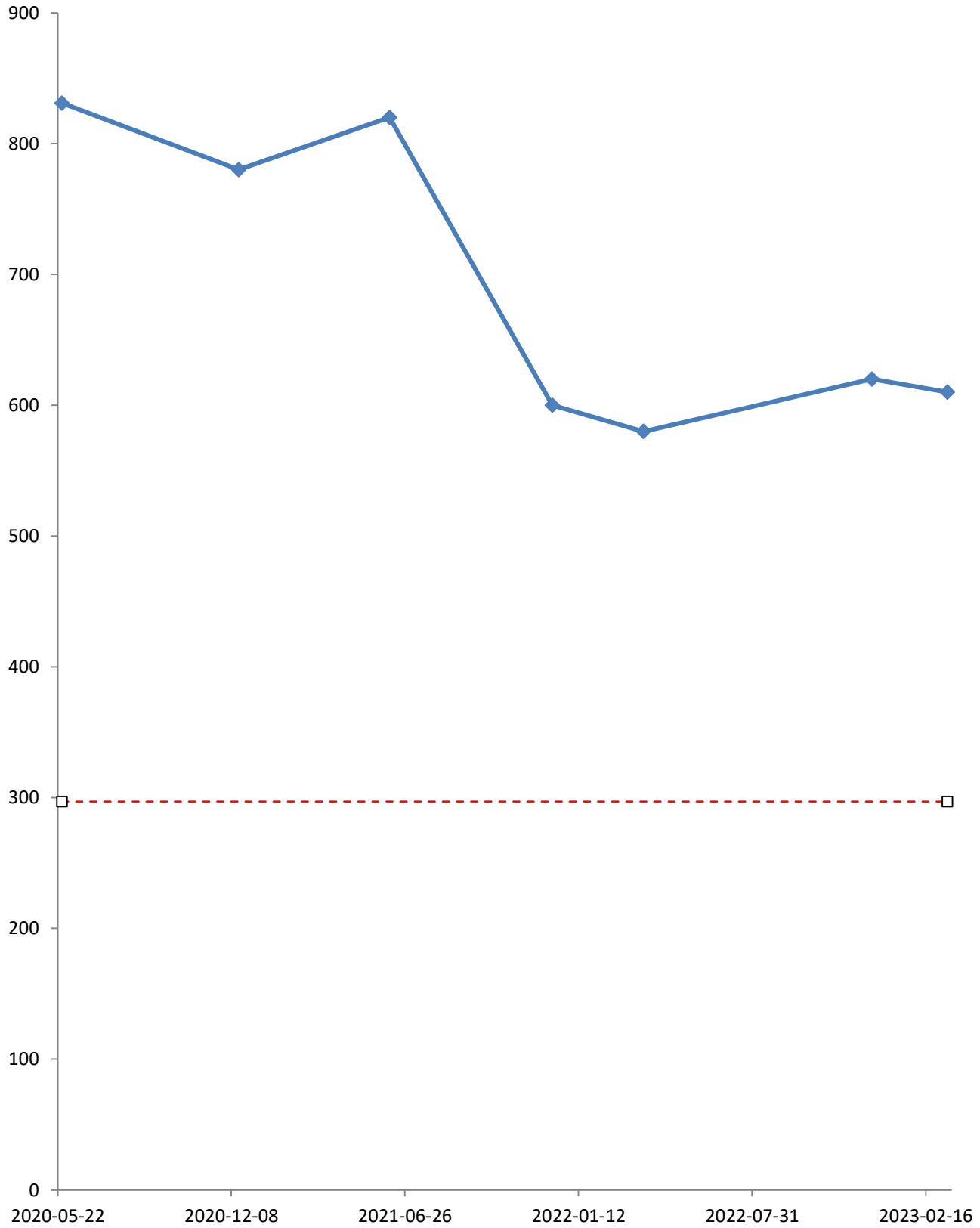


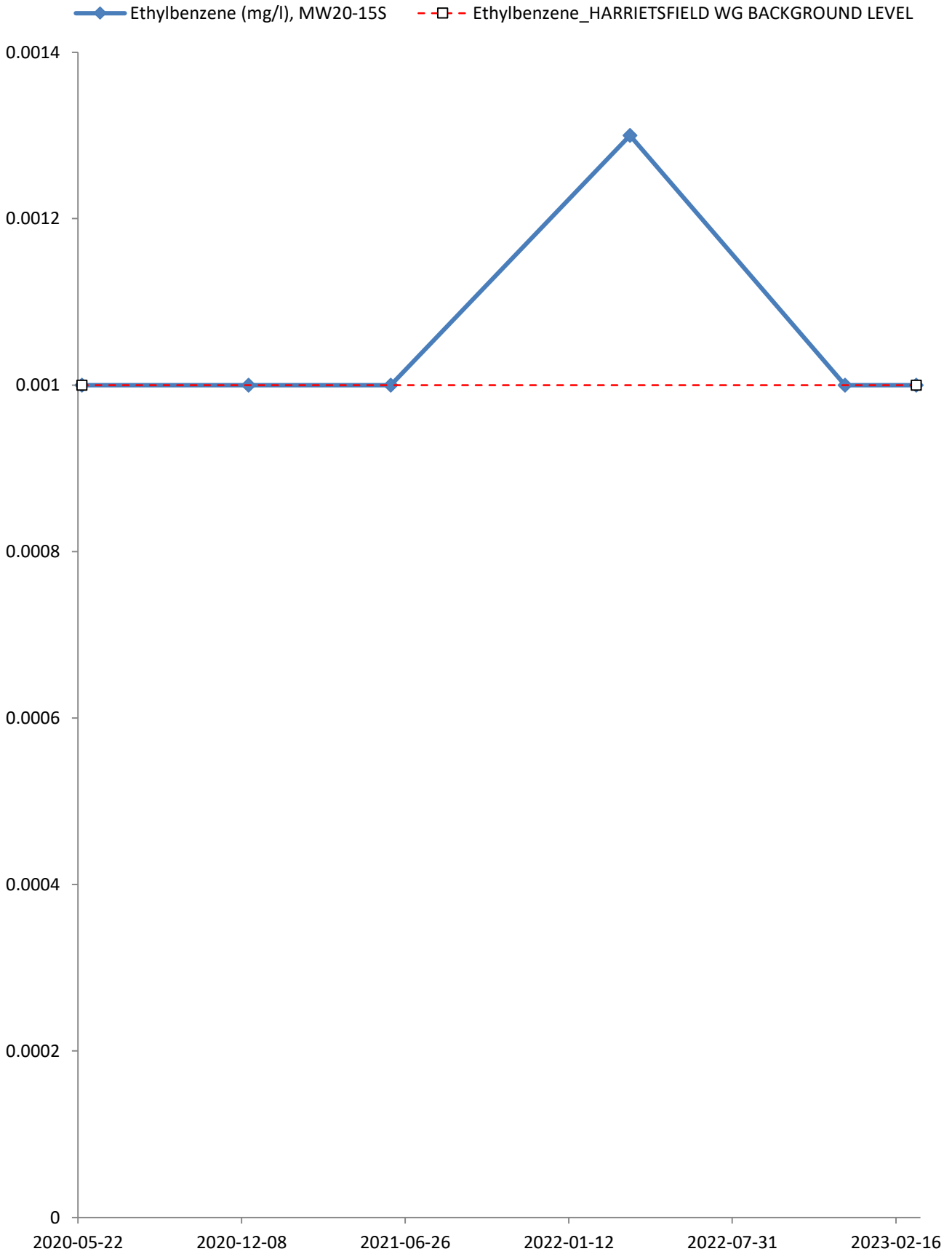


◆ Dissolved Organic Carbon (DOC) (mg/l), MW20-15S
-□- Dissolved Organic Carbon (DOC)_HARRIETSFIELD WG BACKGROUND LEVEL

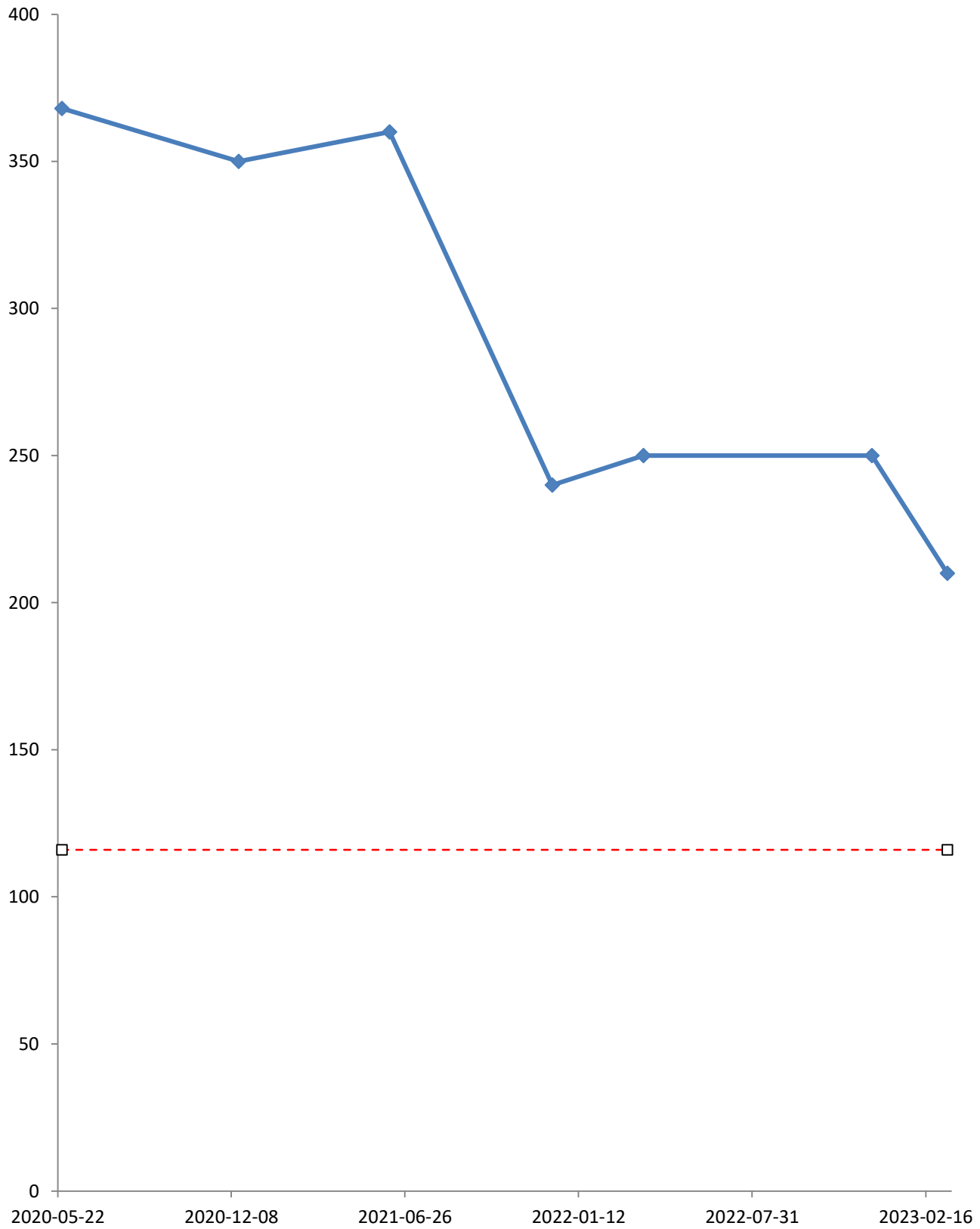


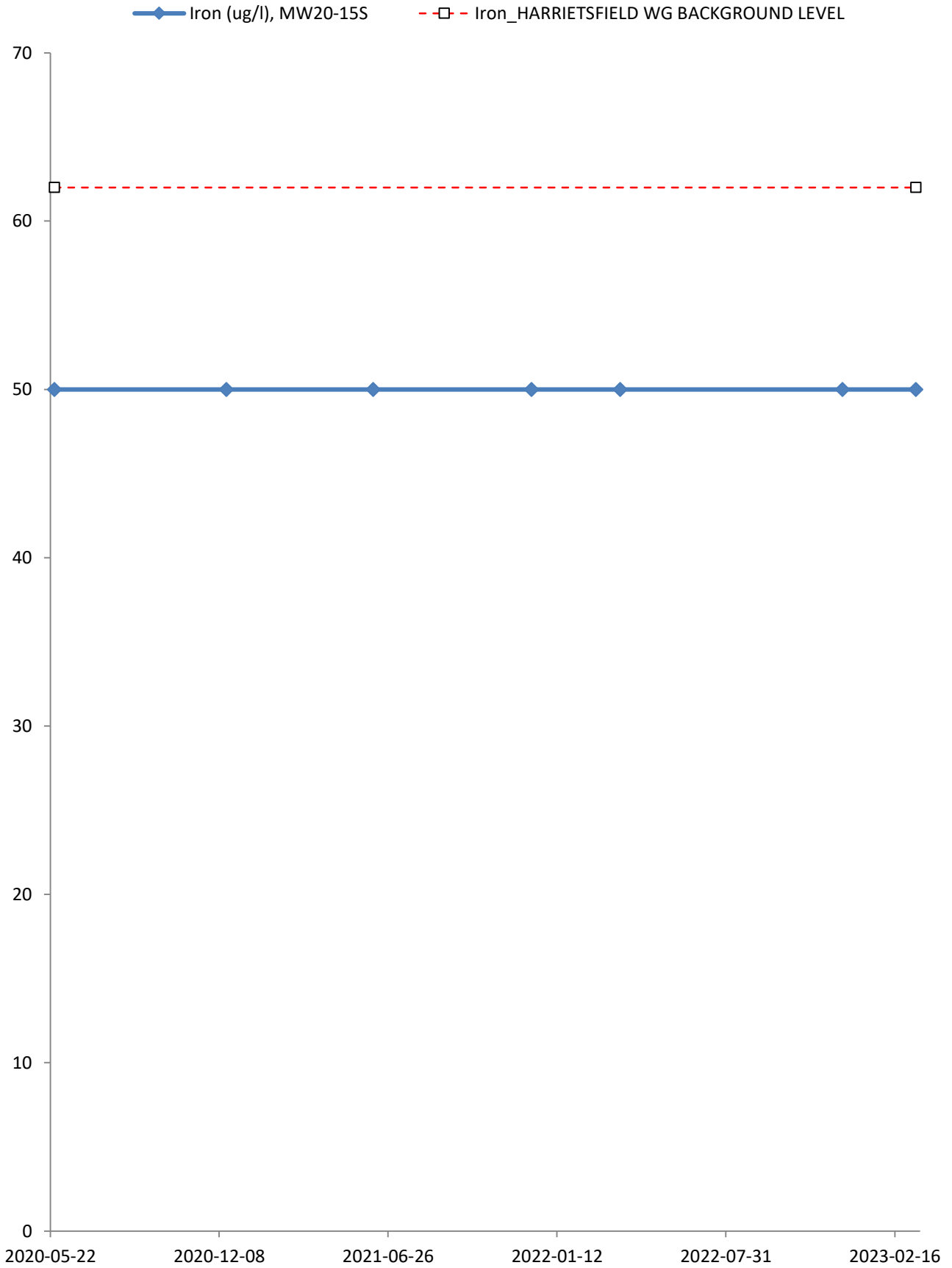
—◆— Electrical Conductivity (umhos/cm), MW20-15S
- -□- - Electrical Conductivity_HARRIETSFIELD WG BACKGROUND LEVEL

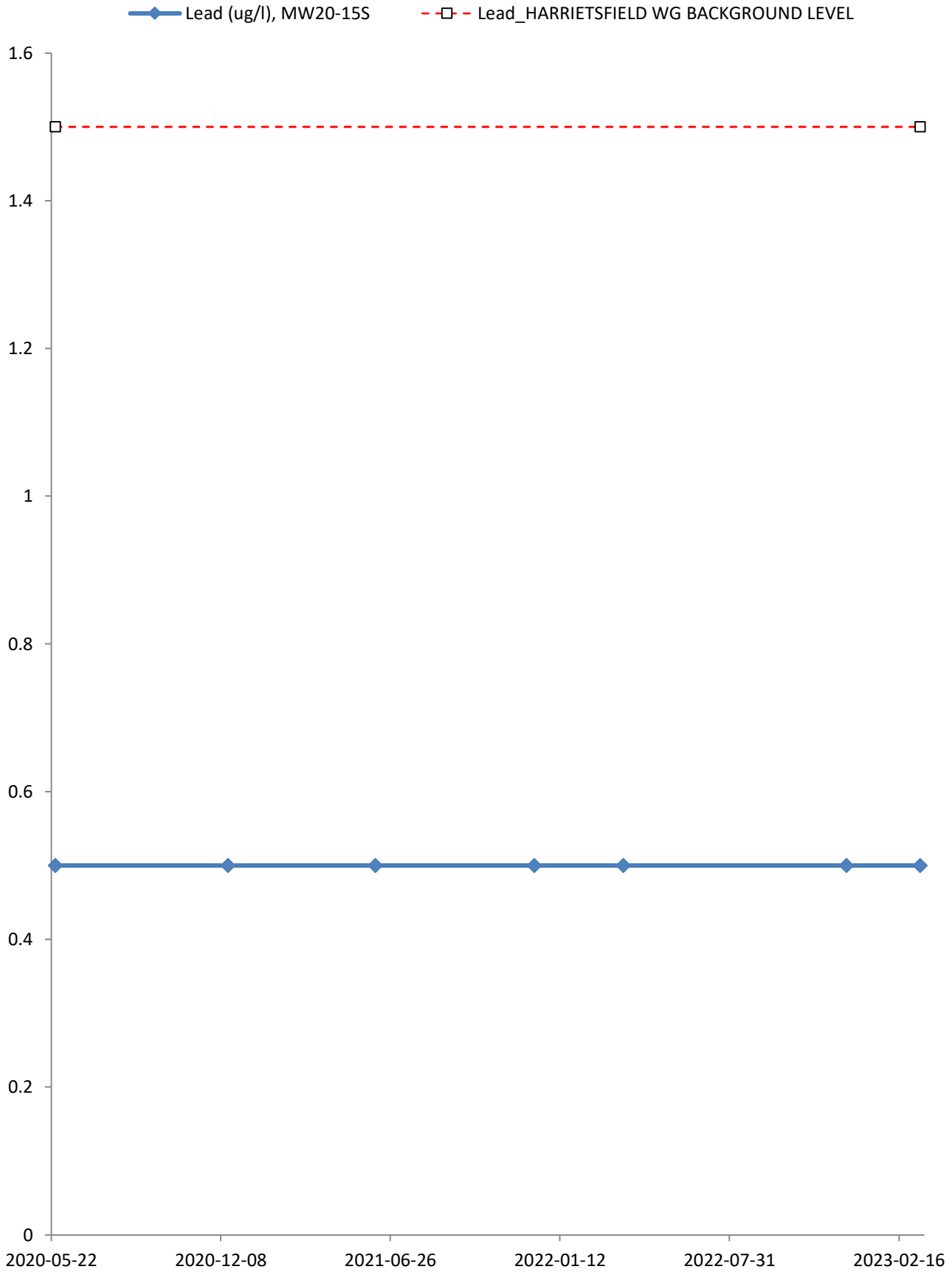


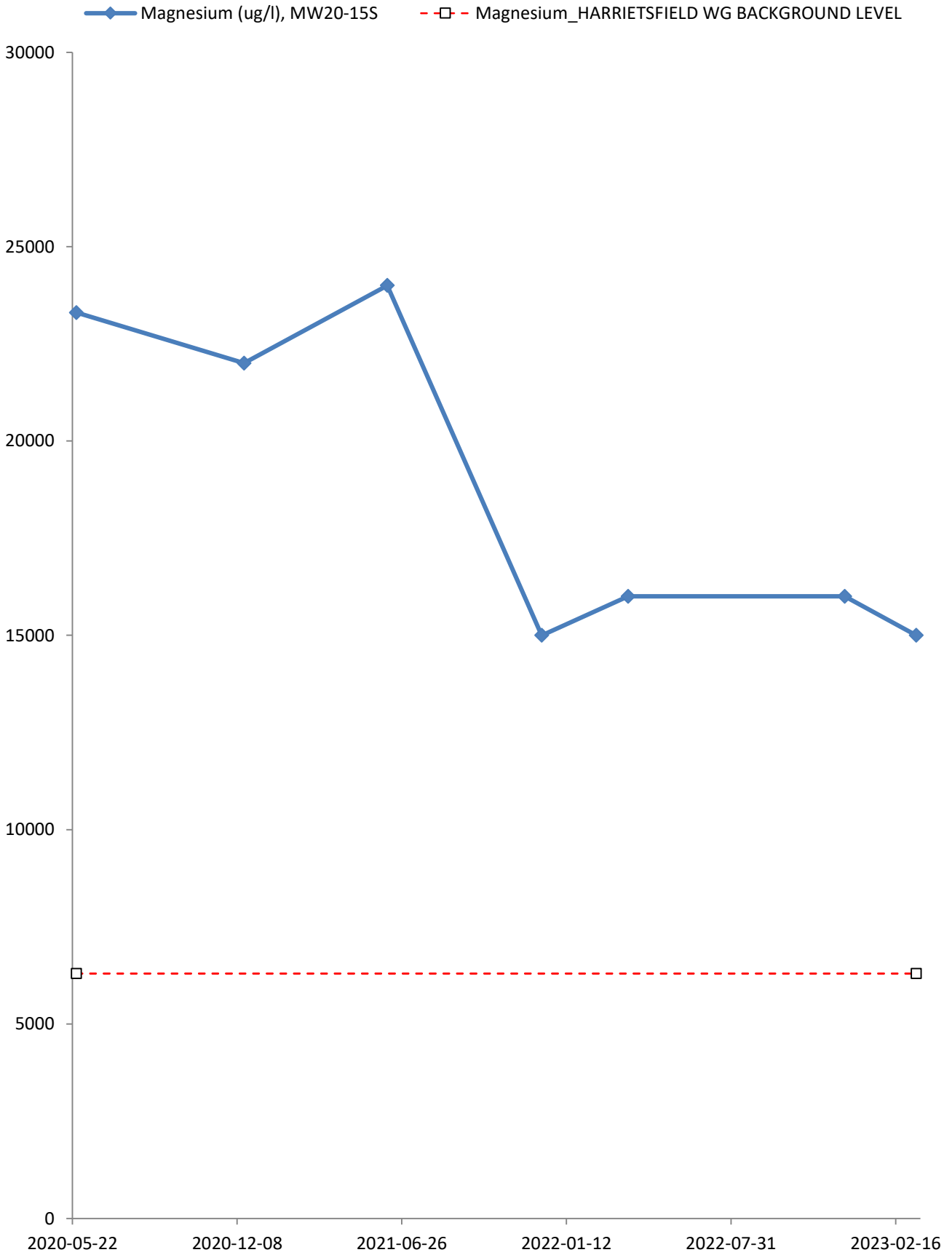


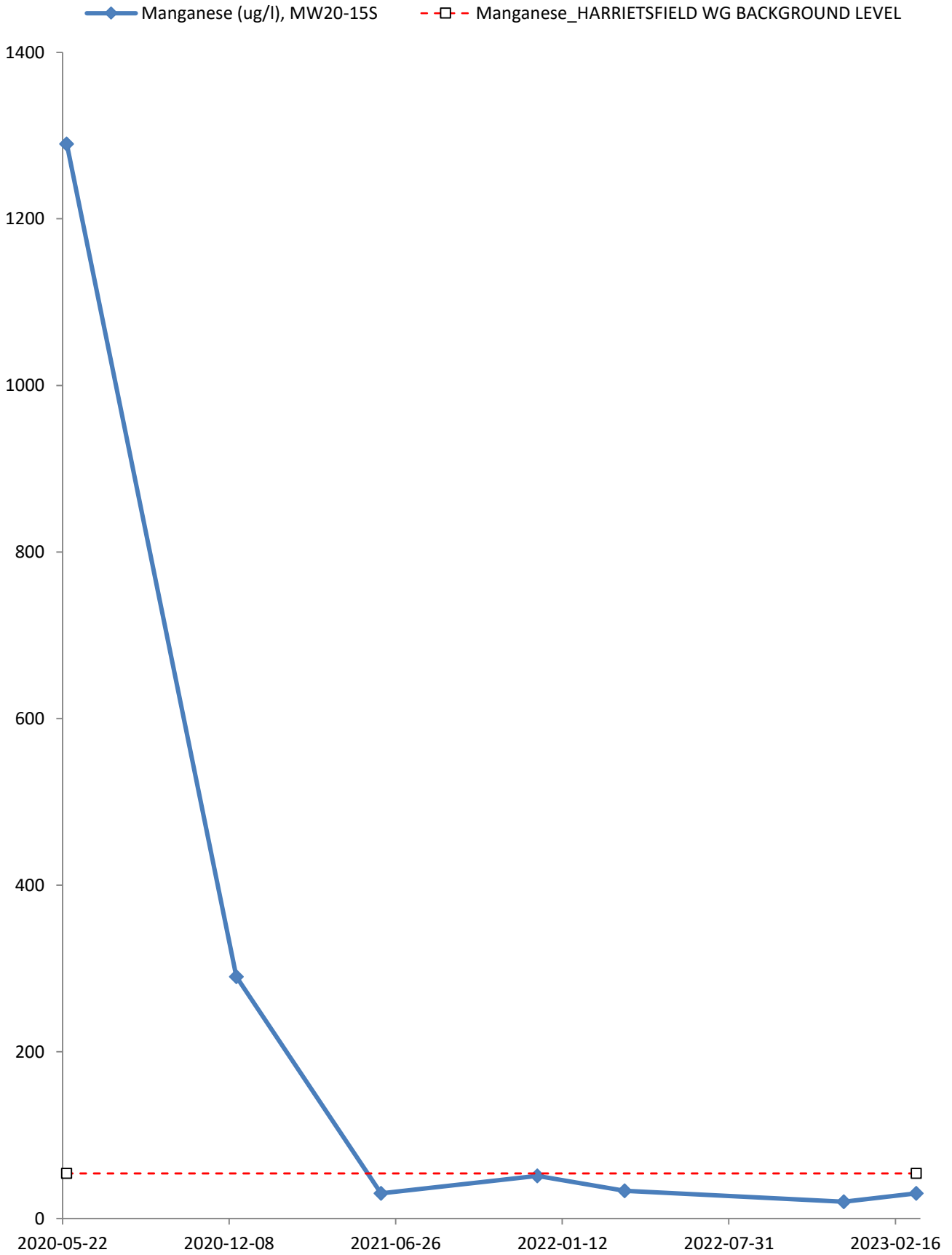
—◆— Hardness (as CaCO3) (mg/l), MW20-15S
- -□- - Hardness (as CaCO3)_HARRIETSFIELD WG BACKGROUND LEVEL





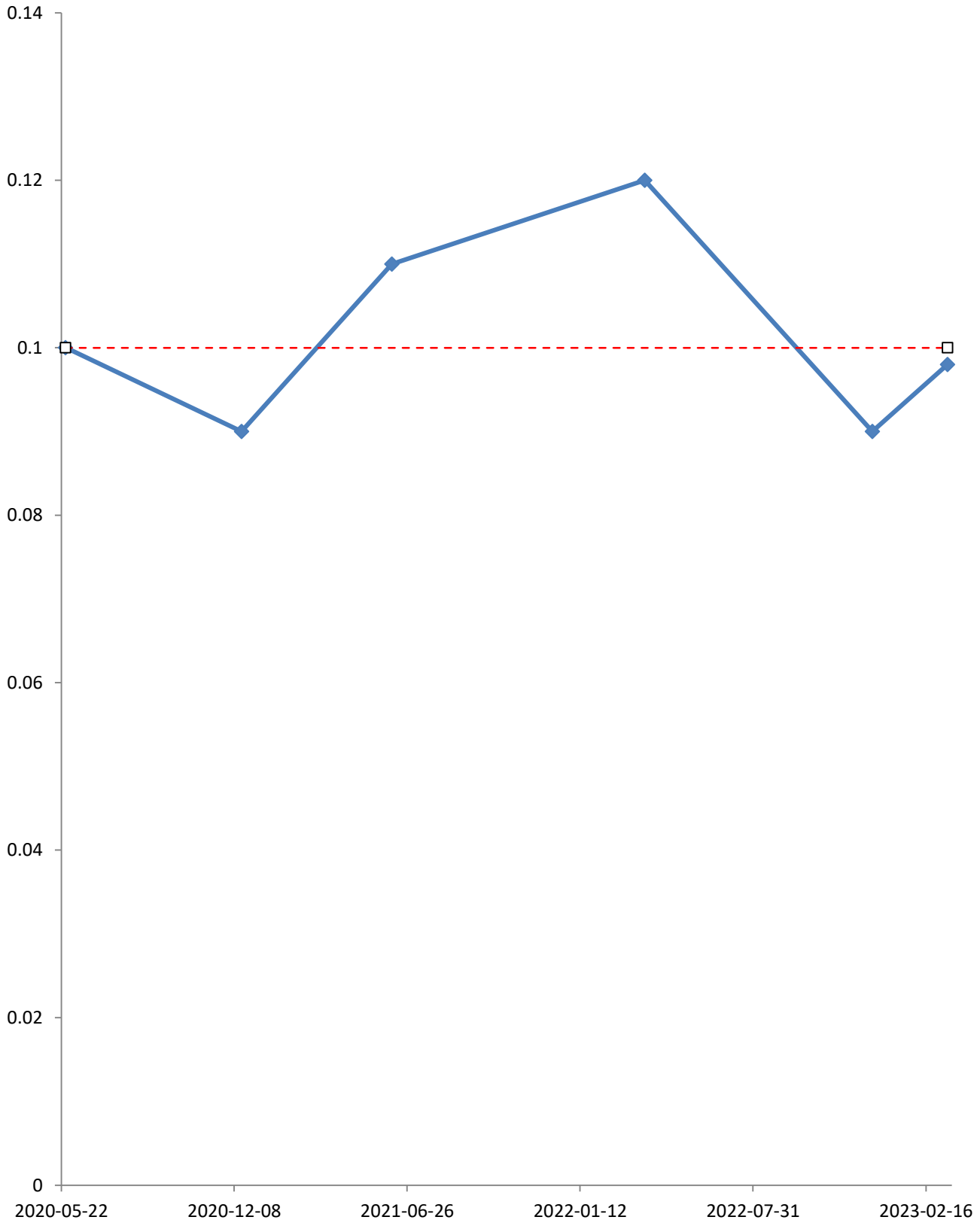


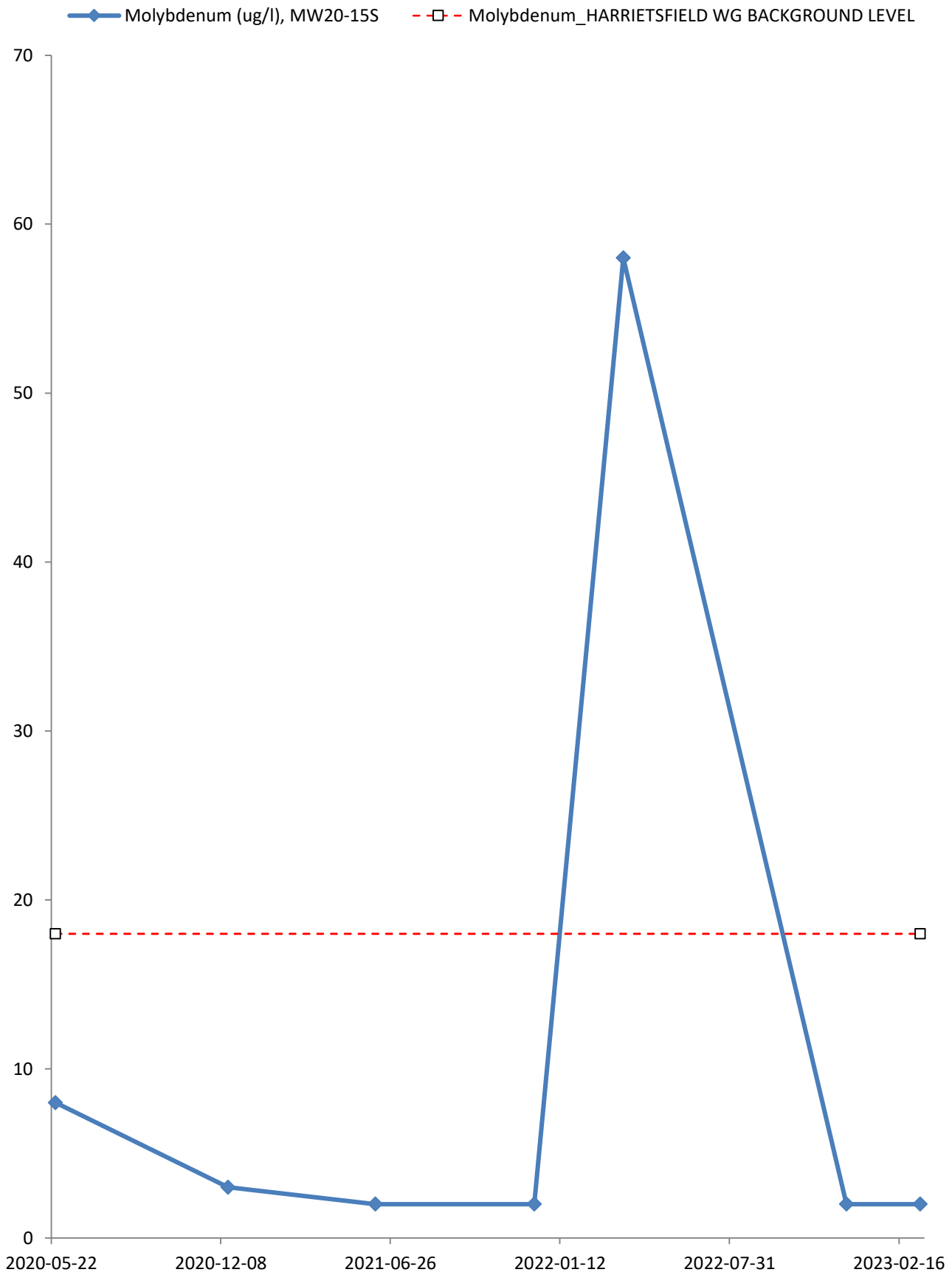


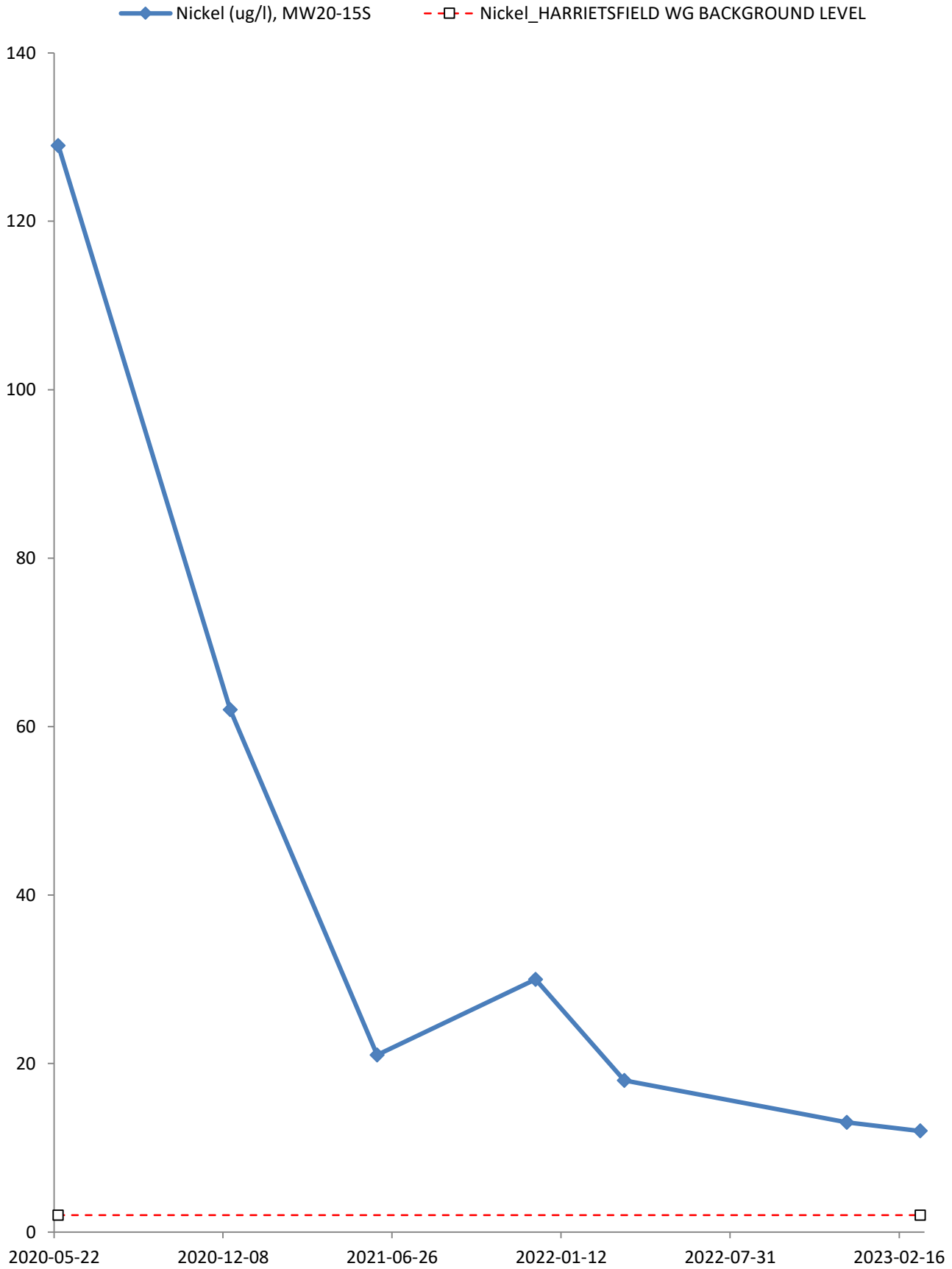


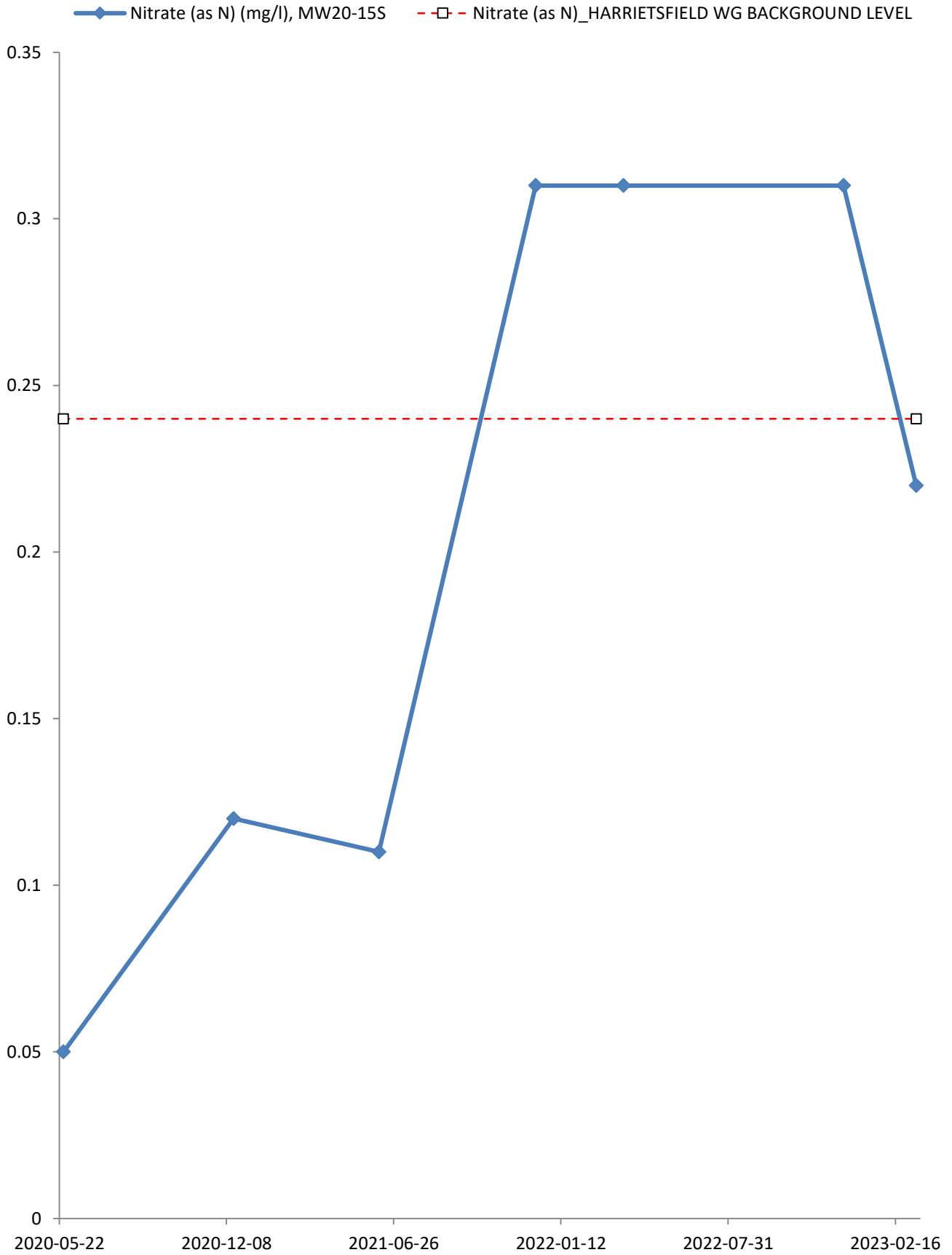


—◆— Modified TPH Tier 1 (mg/l), MW20-15S
- -□- - Modified TPH Tier 1_HARRIETSFIELD WG BACKGROUND LEVEL

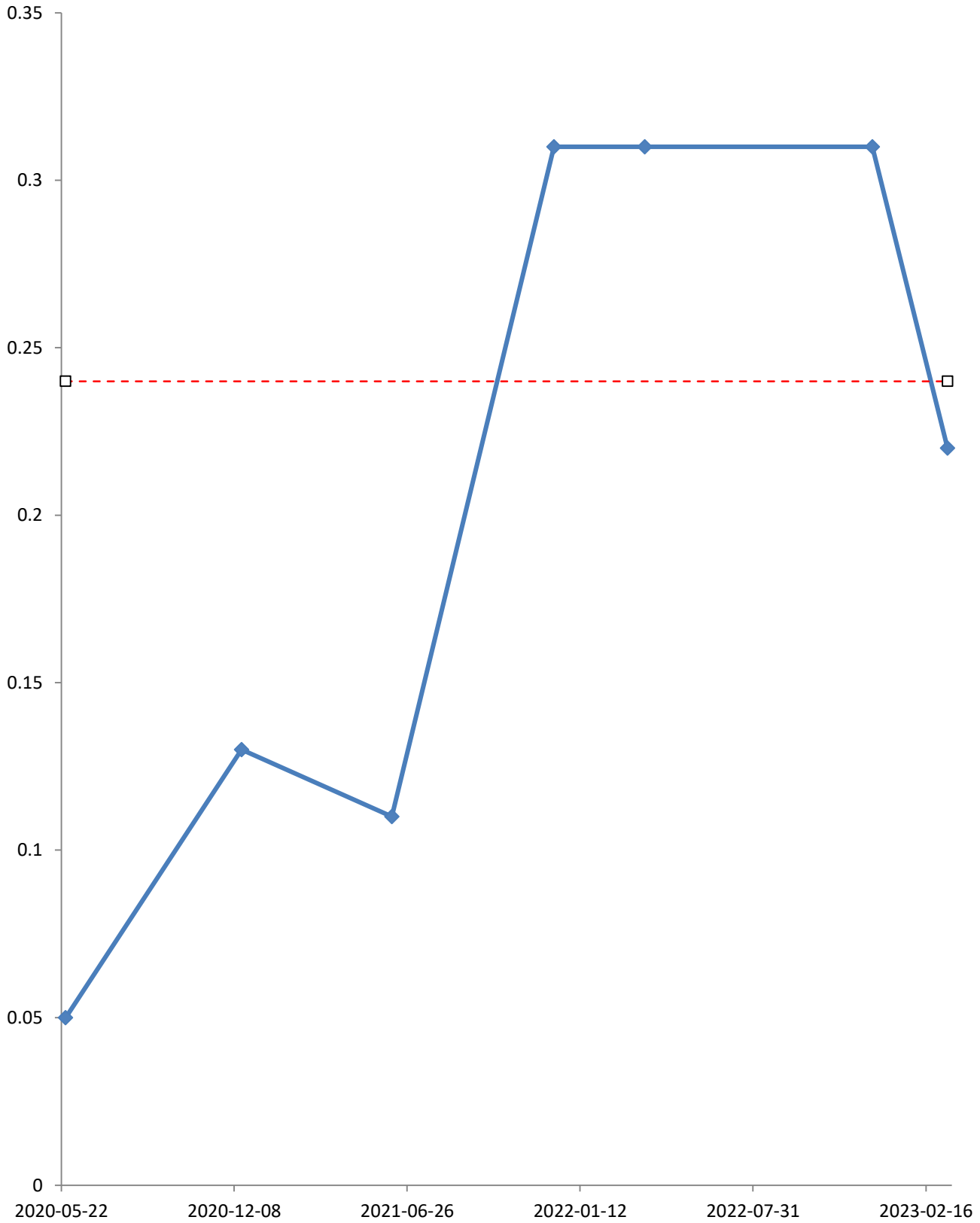


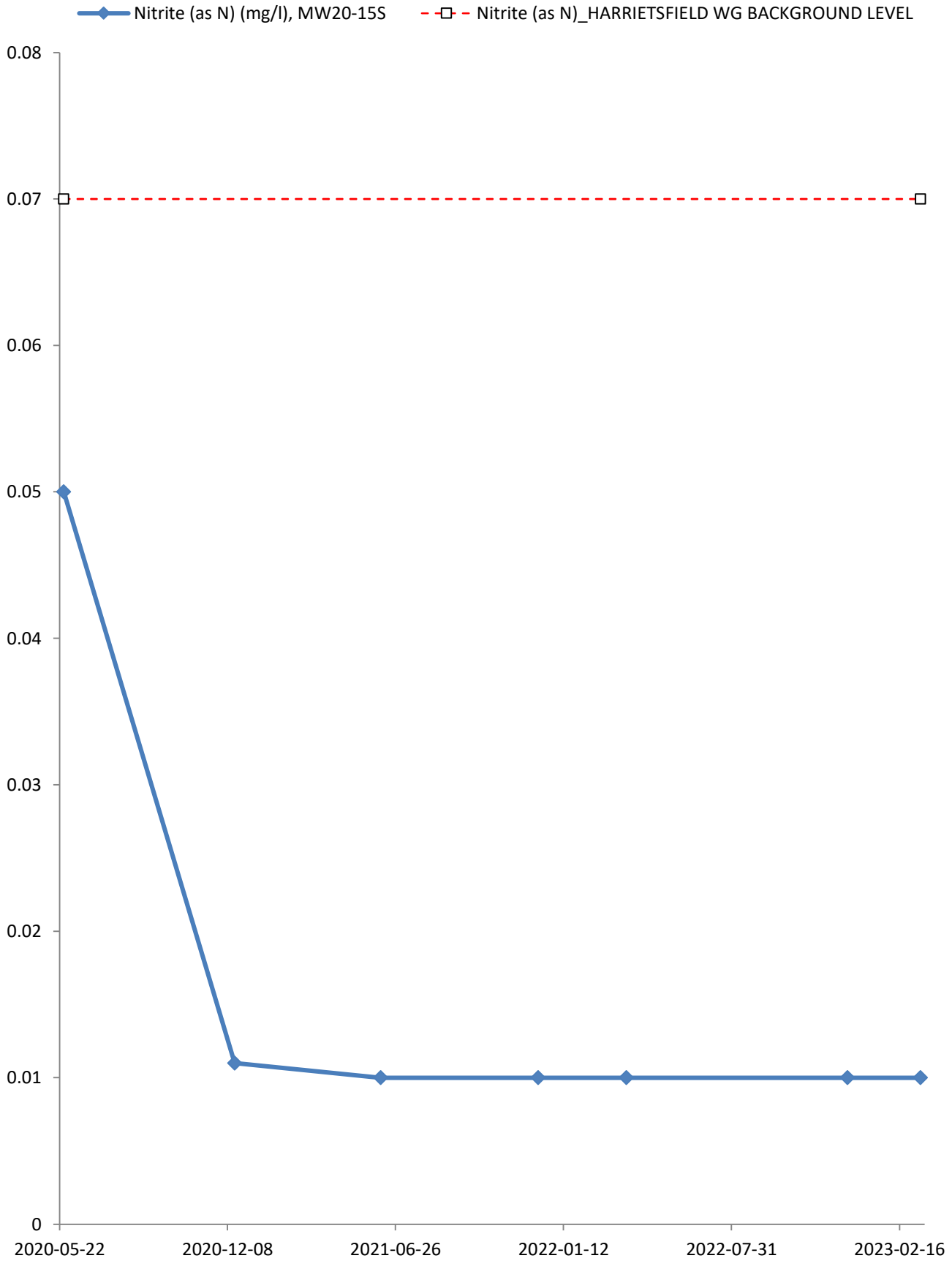




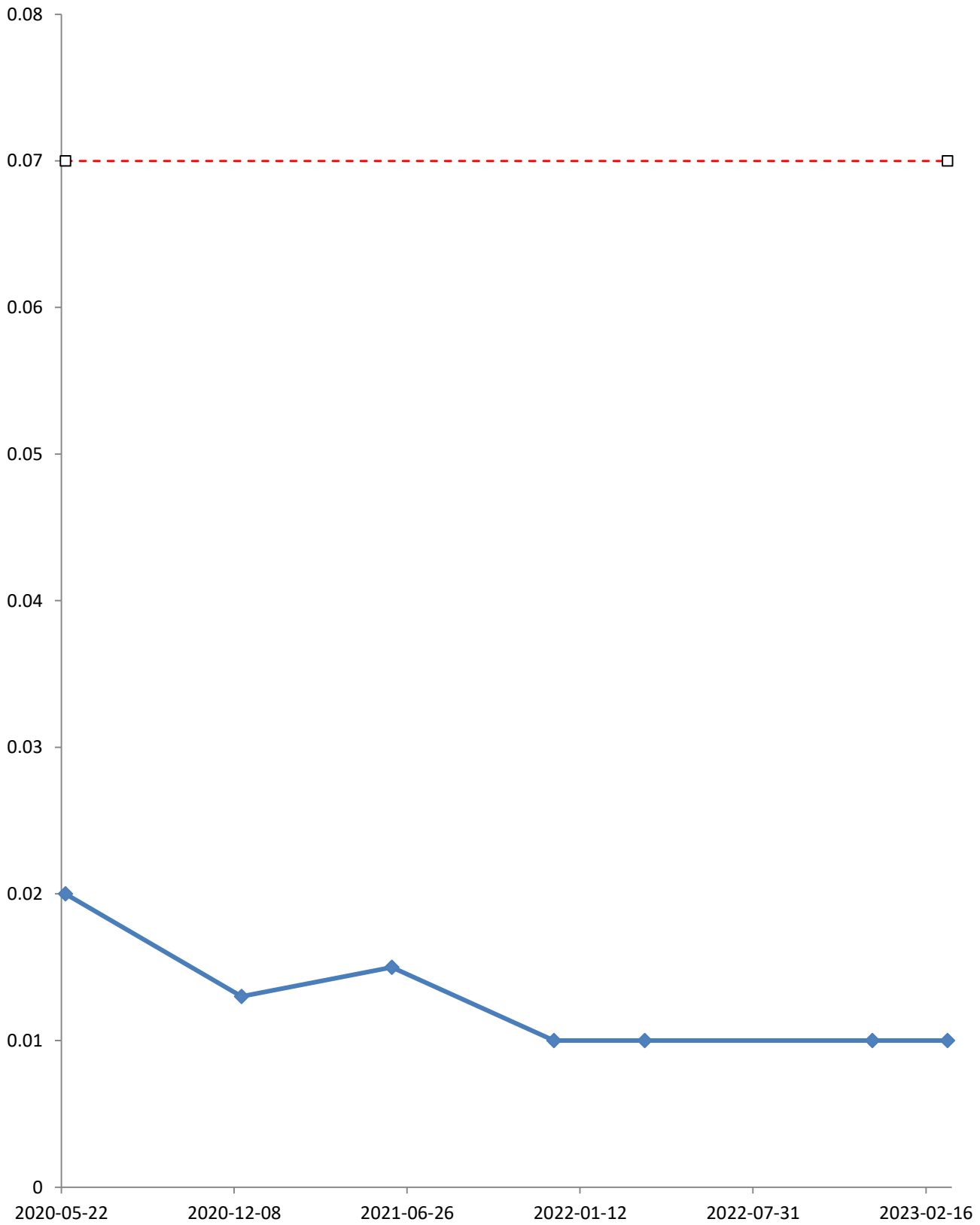


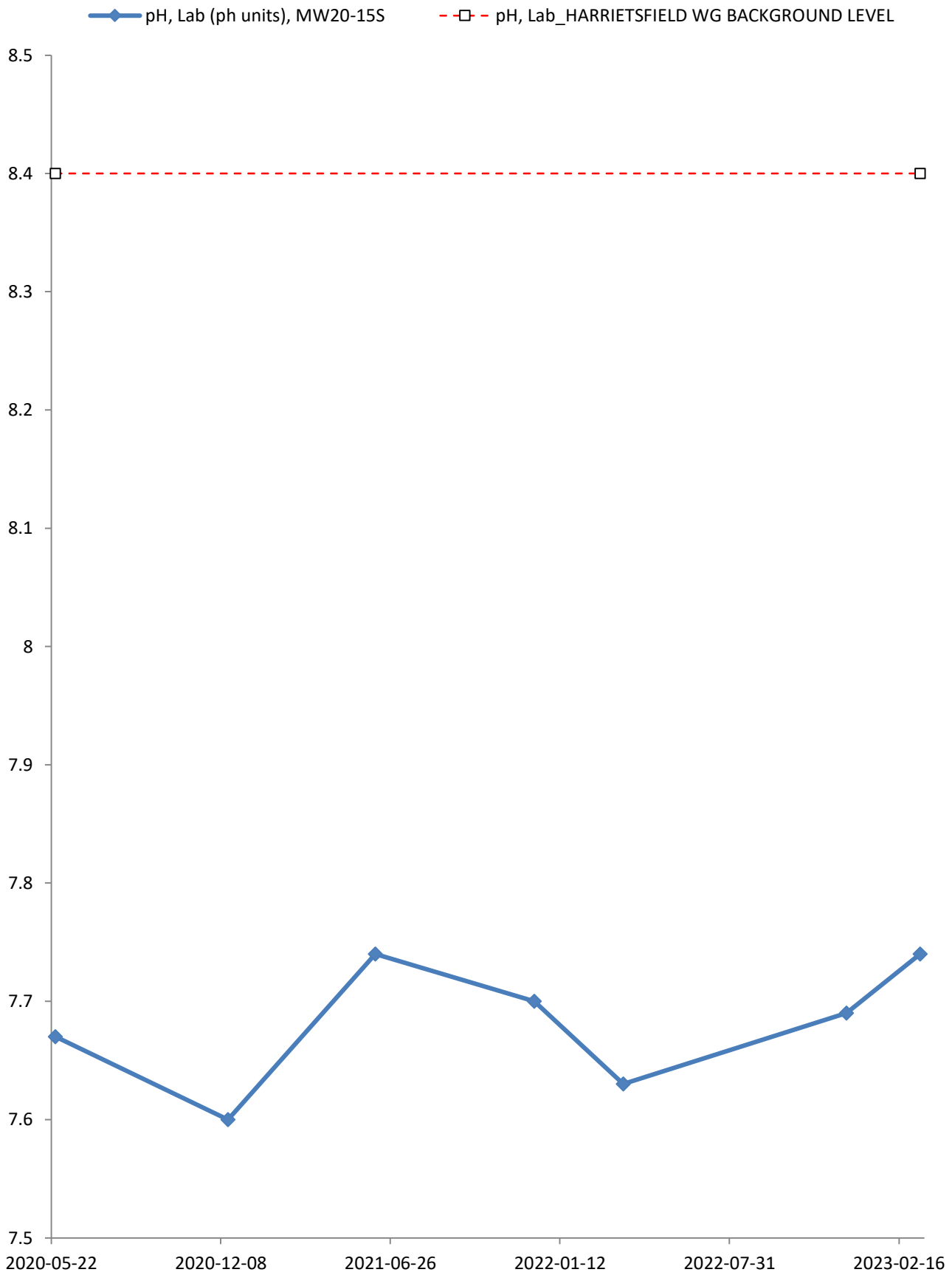
—◆— Nitrate plus Nitrite (N) (mg/l), MW20-15S
- - □ - - Nitrate plus Nitrite (N)_HARRIETSFIELD WG BACKGROUND LEVEL

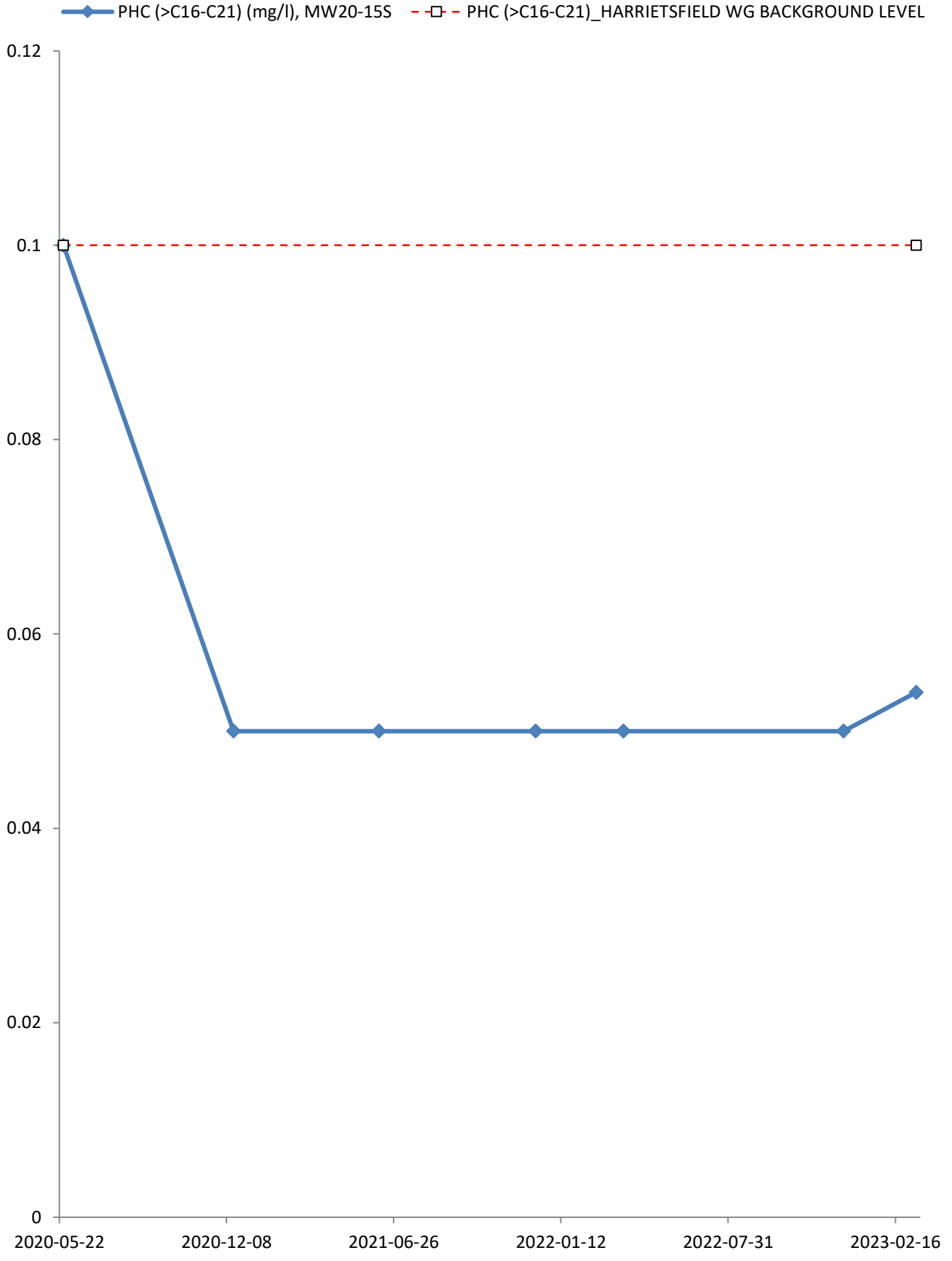


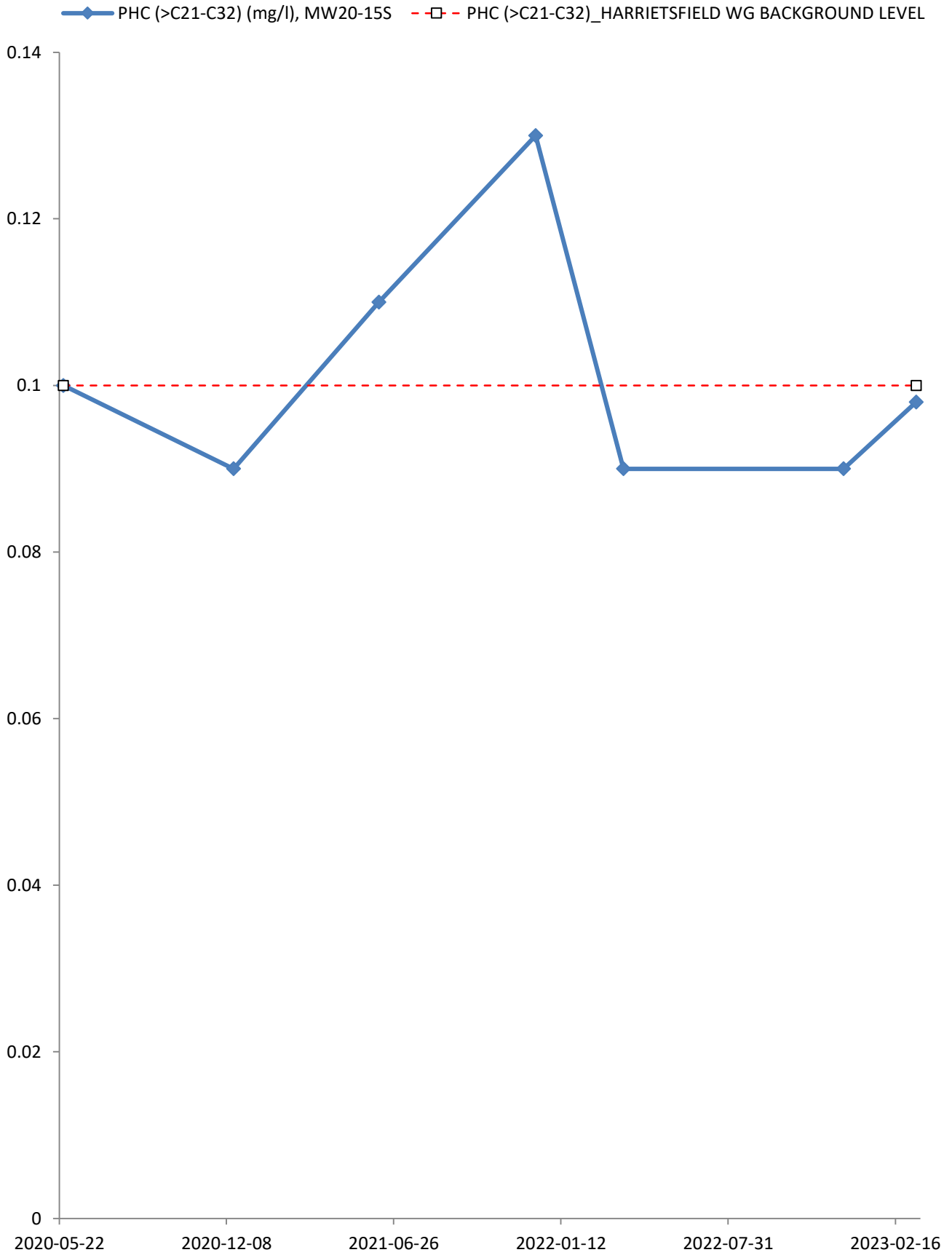


—◆— Orthophosphate(as P) (mg/l), MW20-15S
- -□- - Orthophosphate(as P)_HARRIETSFIELD WG BACKGROUND LEVEL

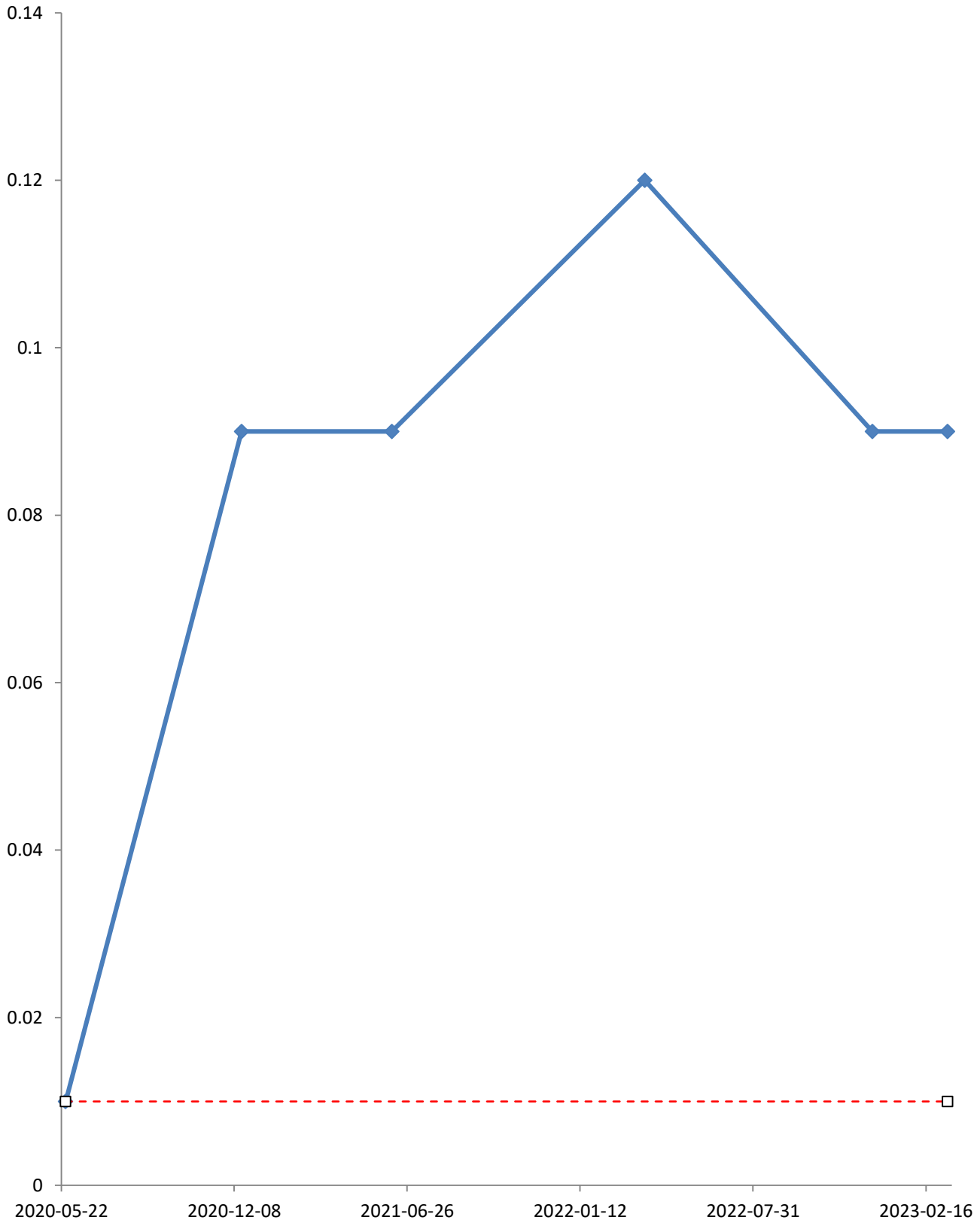




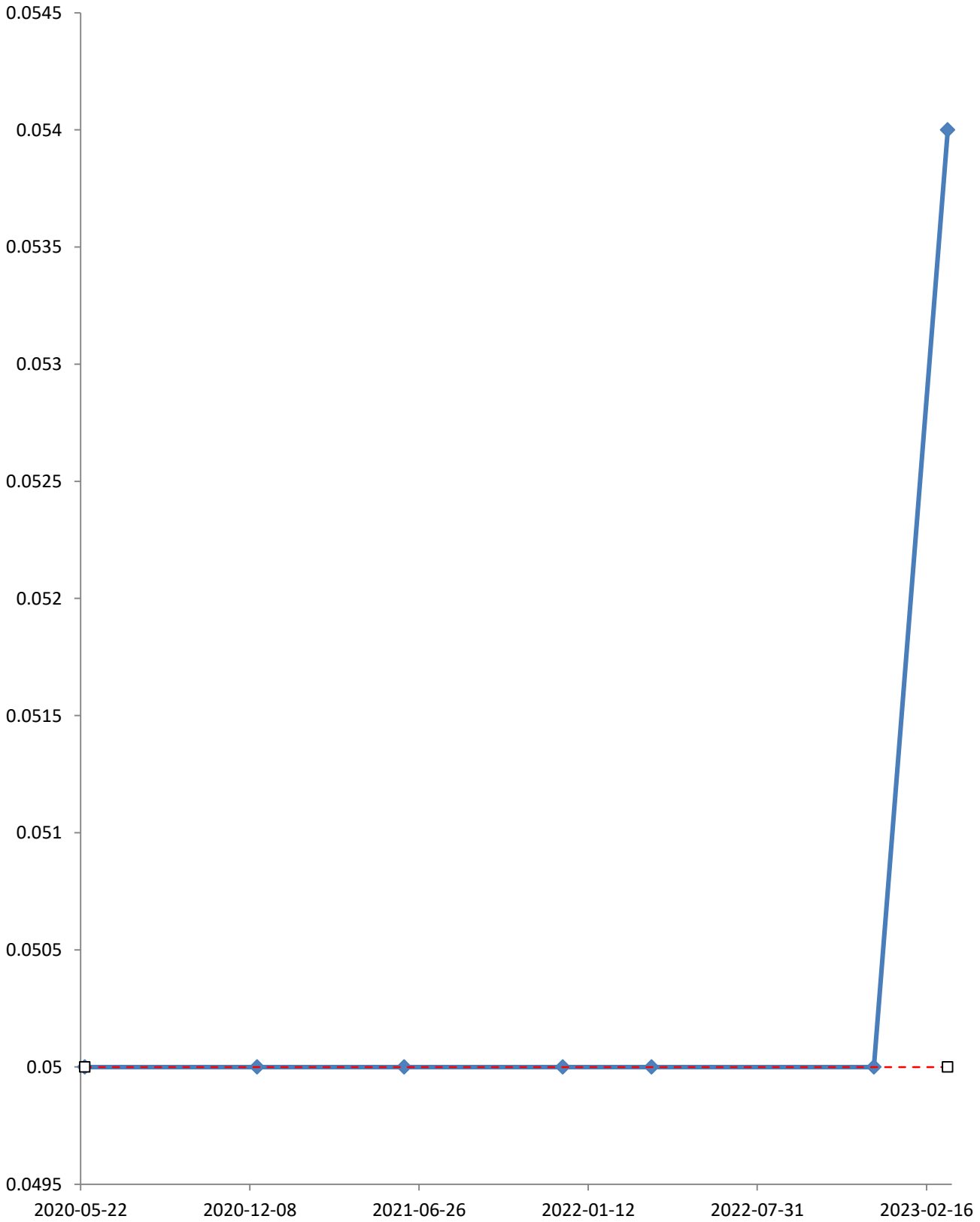


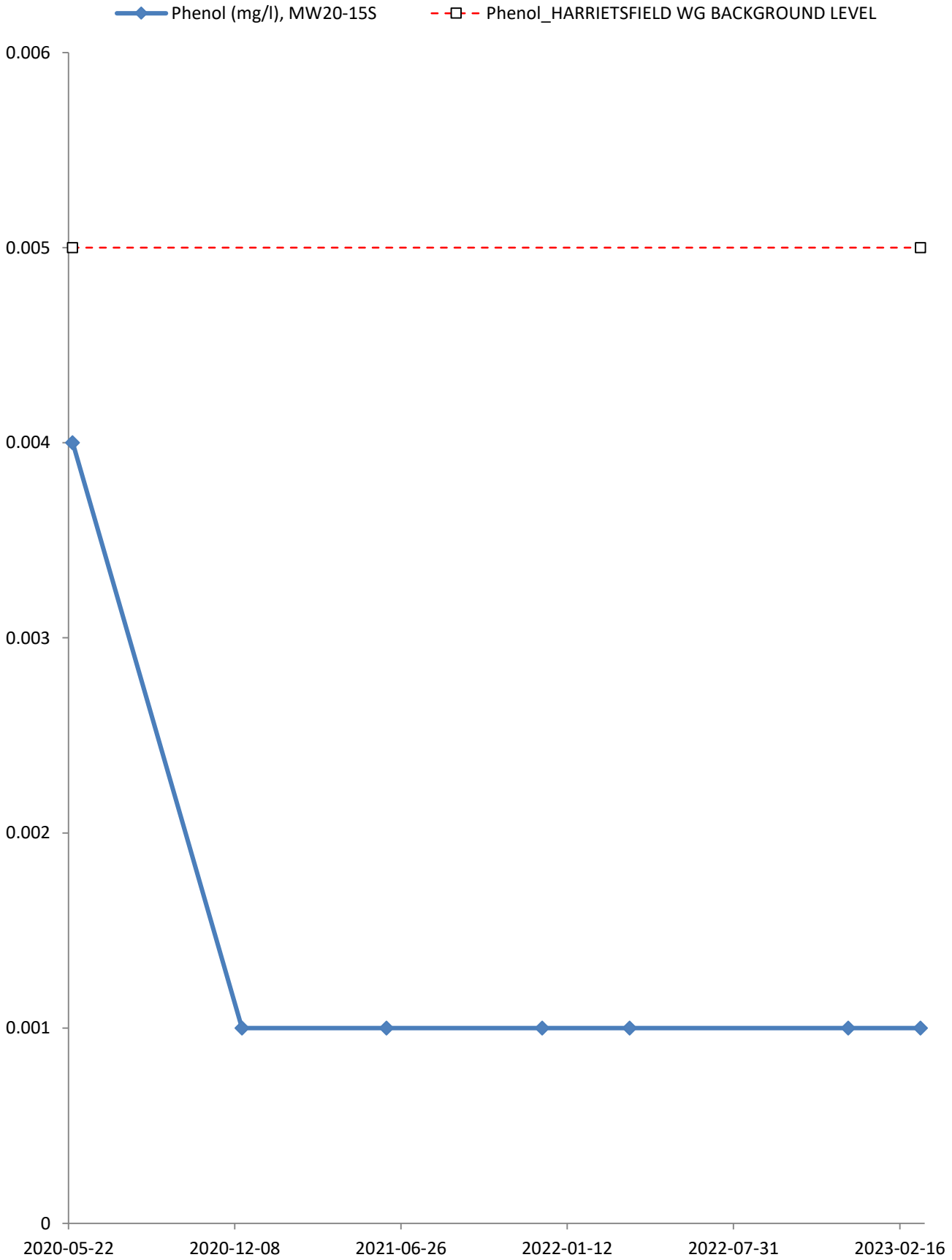


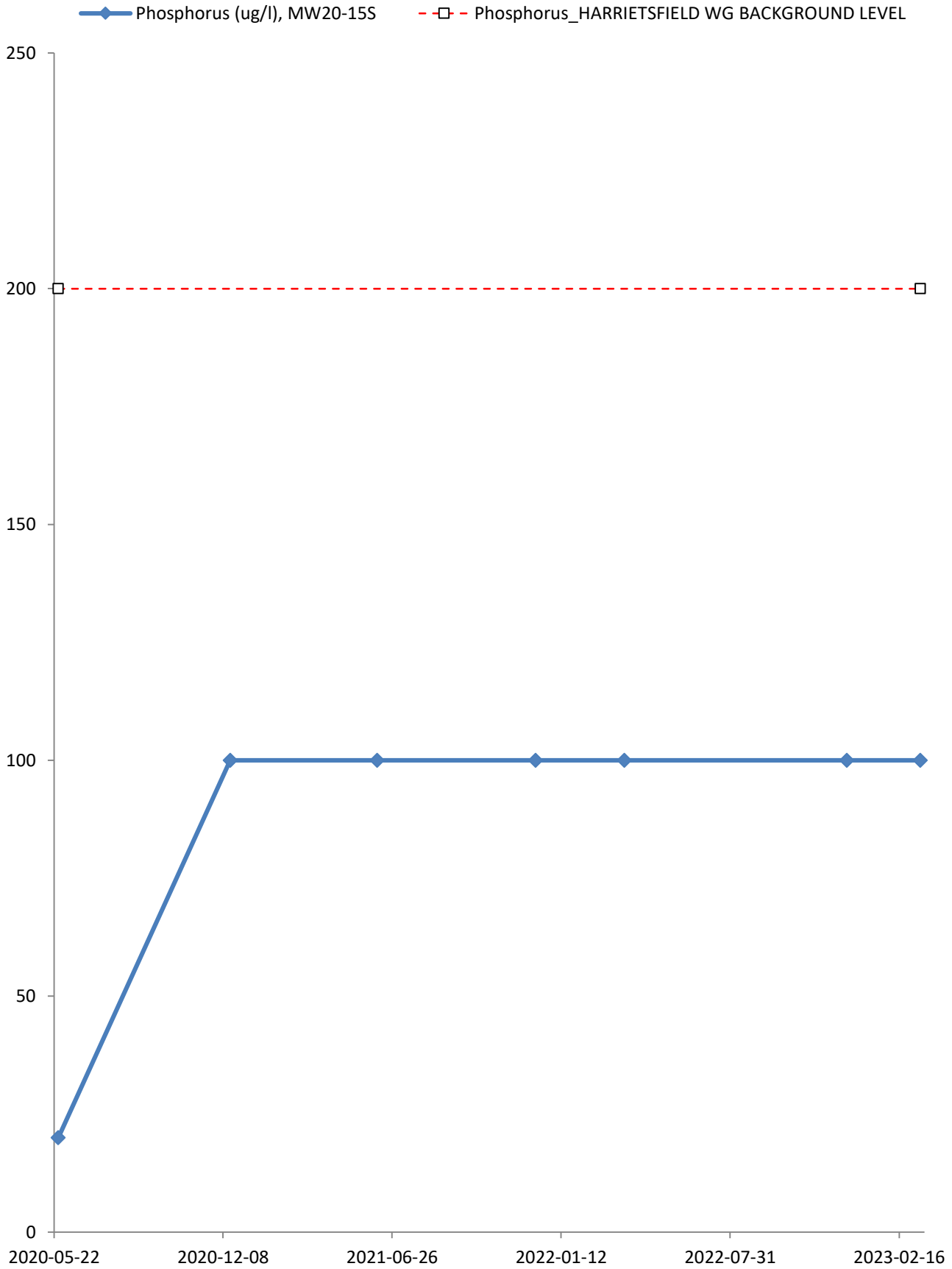
—◆— PHC F1 (C6-C10) min BTEX (mg/l), MW20-15S
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WG BACKGROUND LEVEL

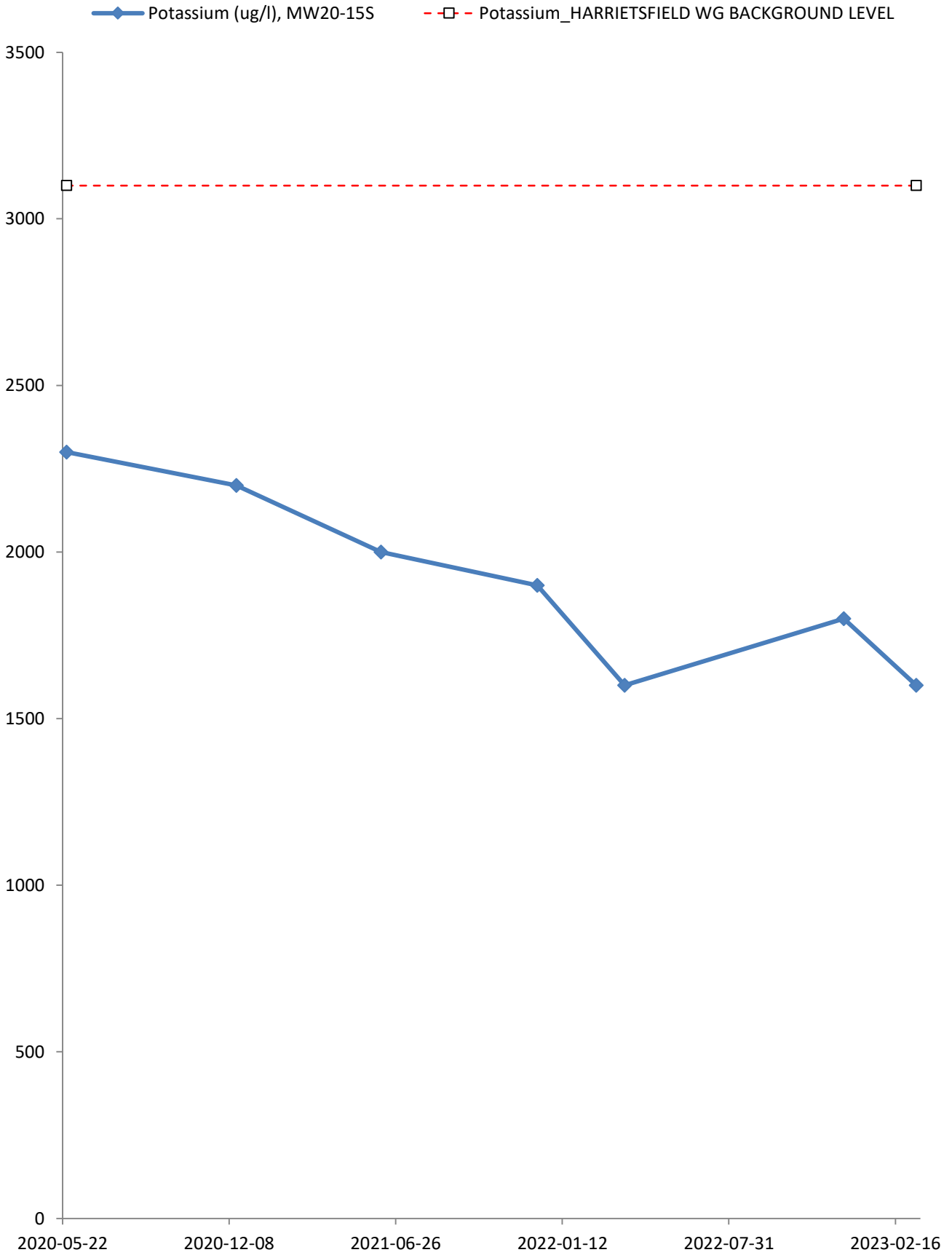


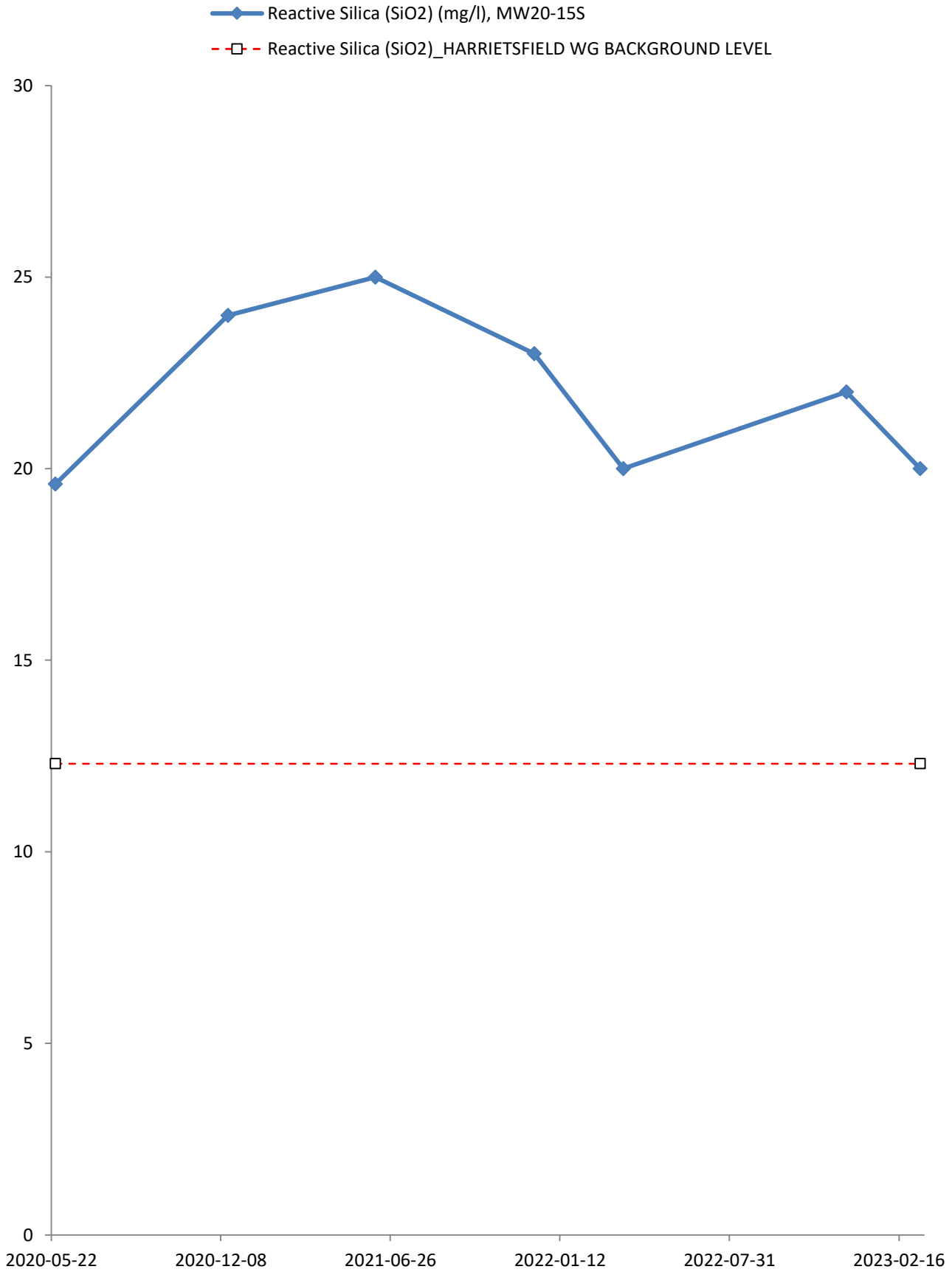
—◆— PHC F2 (>C10-C16) (mg/l), MW20-15S
- -□- - PHC F2 (>C10-C16)_HARRIETSFIELD WG BACKGROUND LEVEL



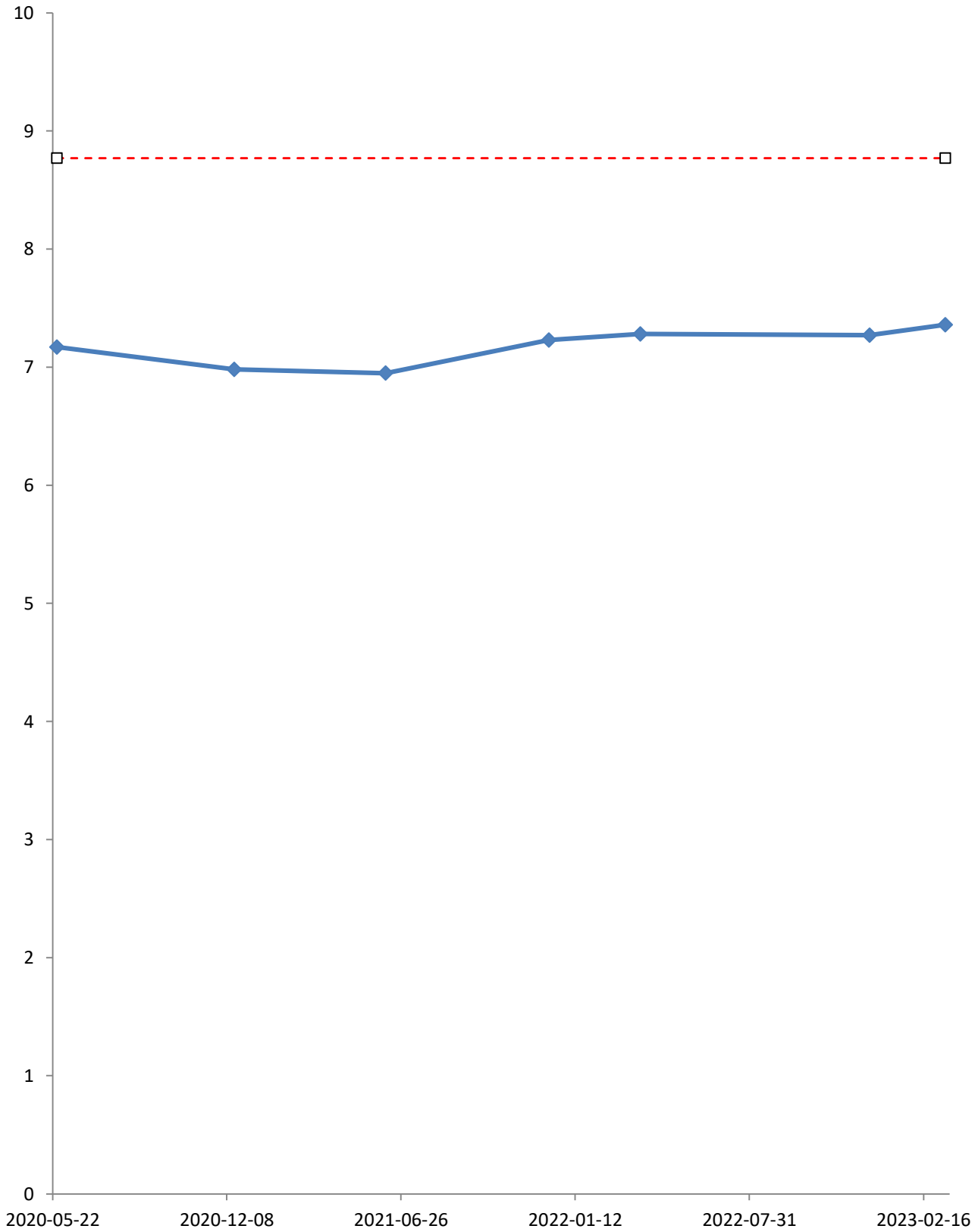


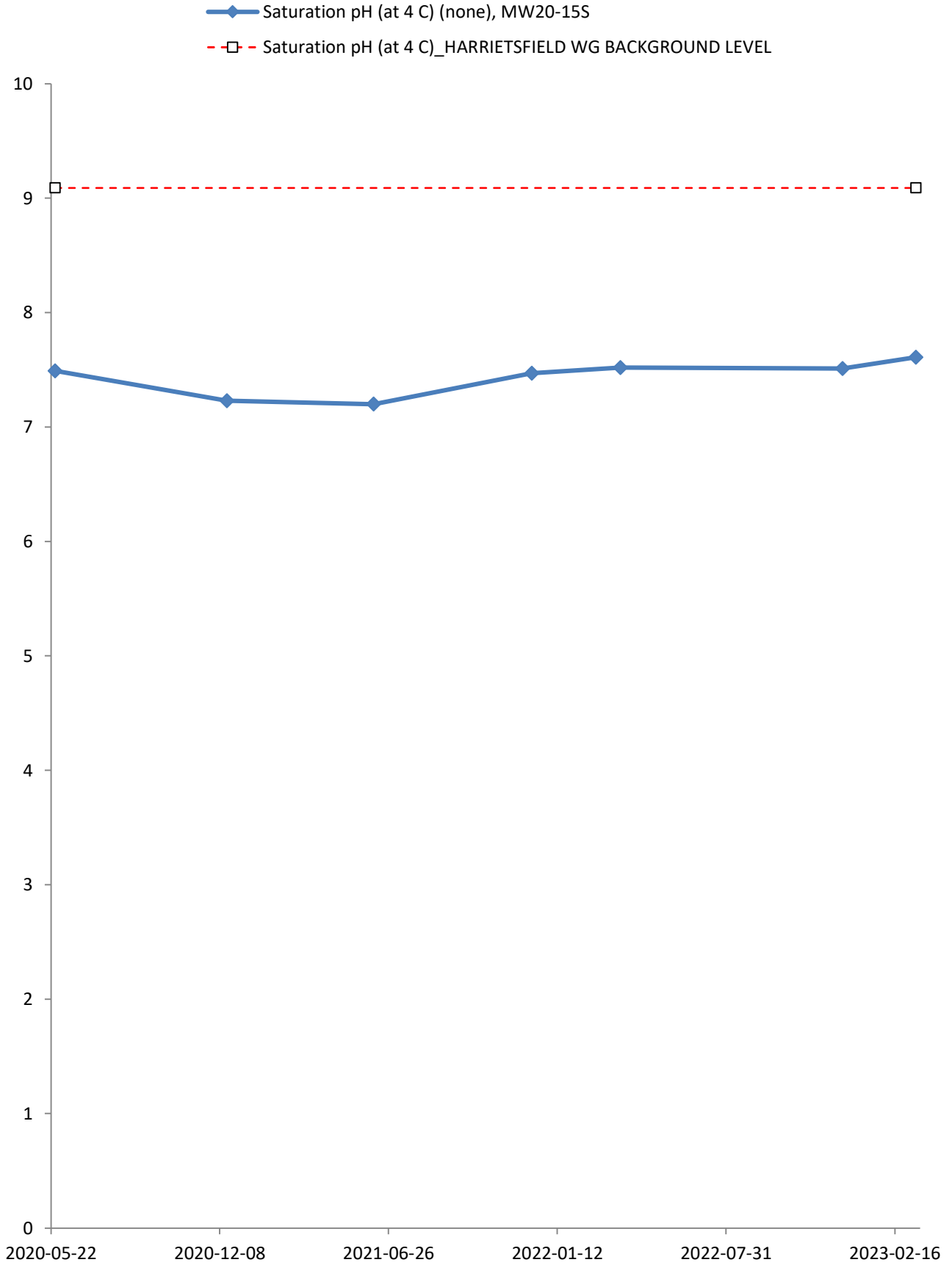


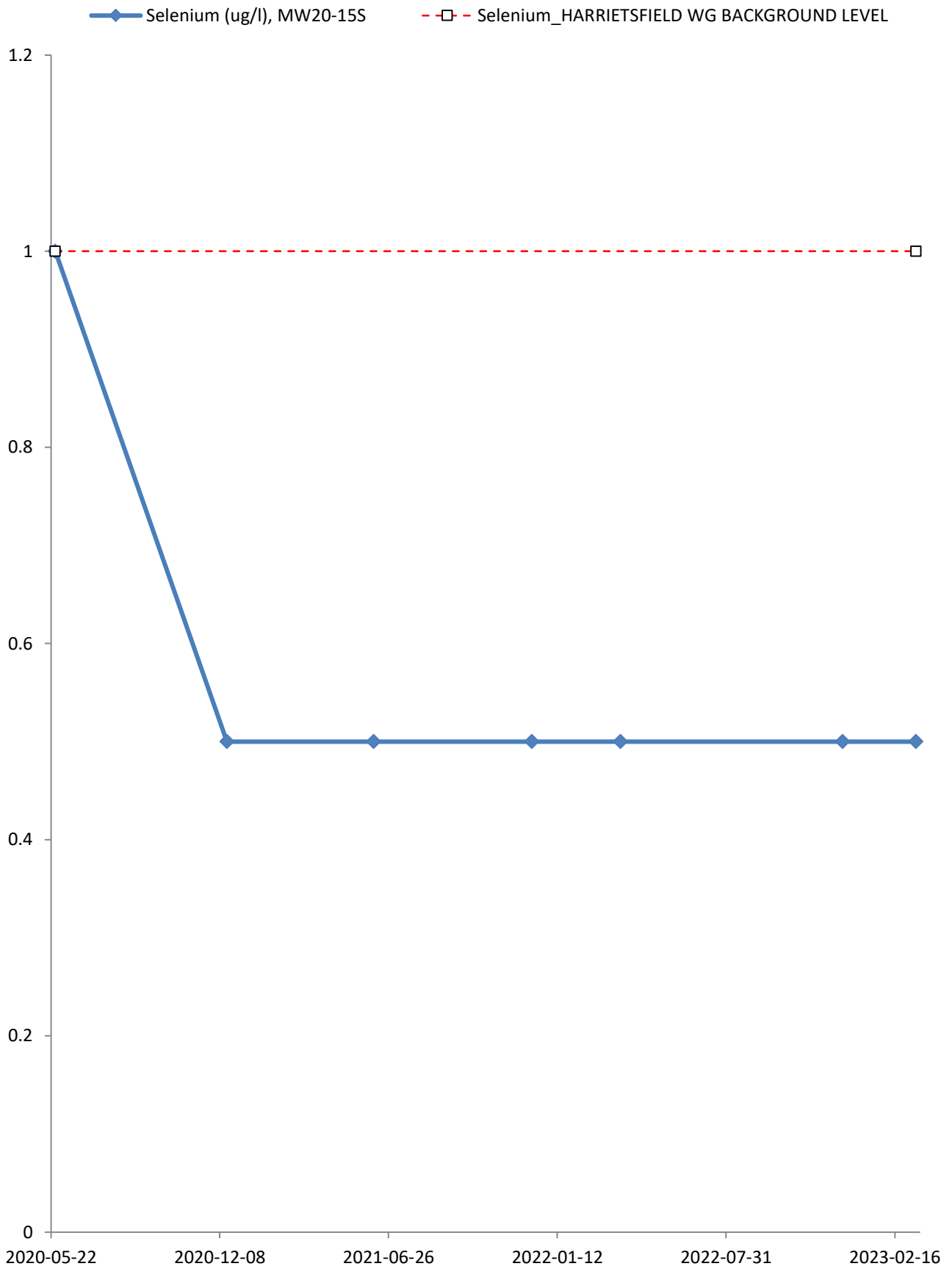


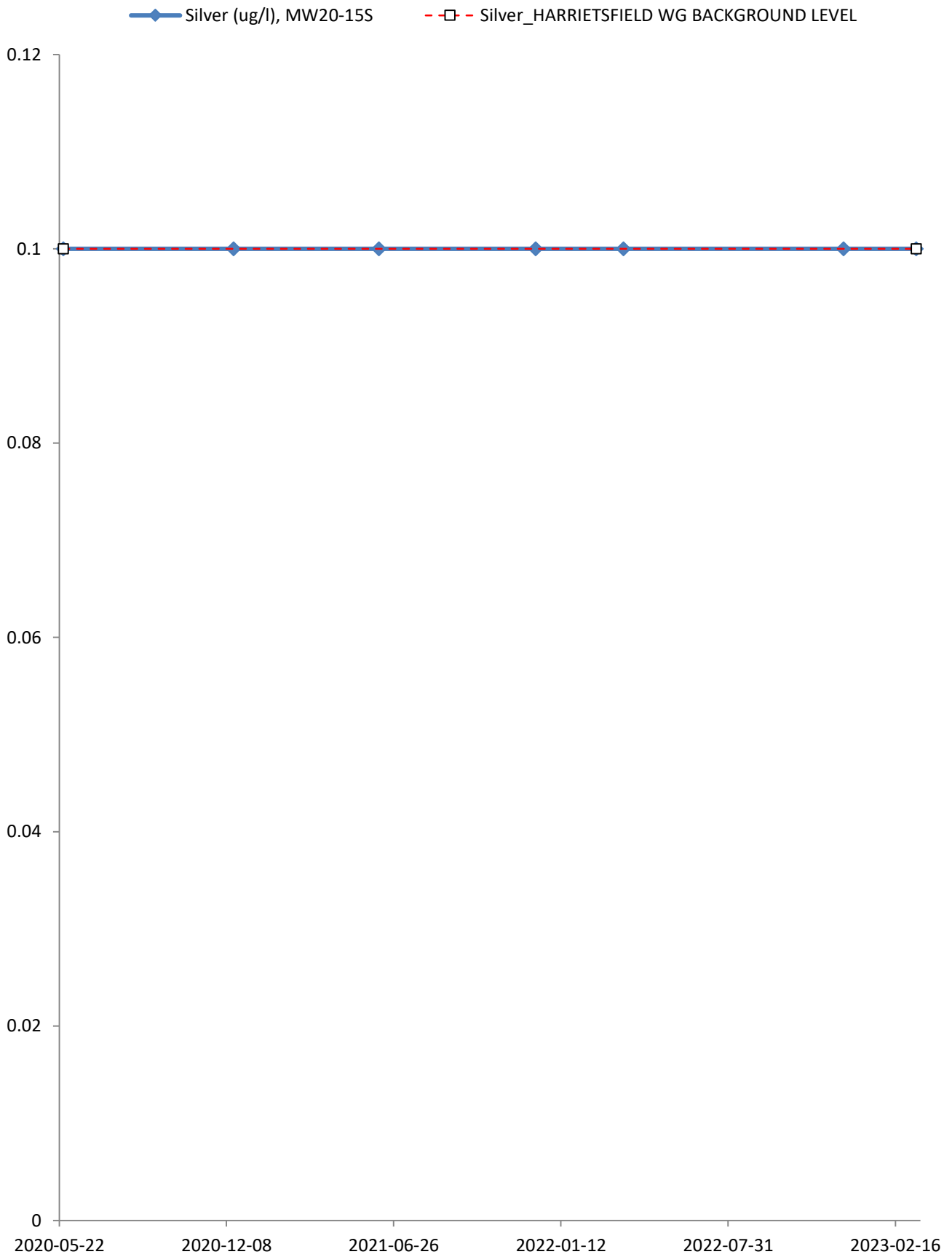


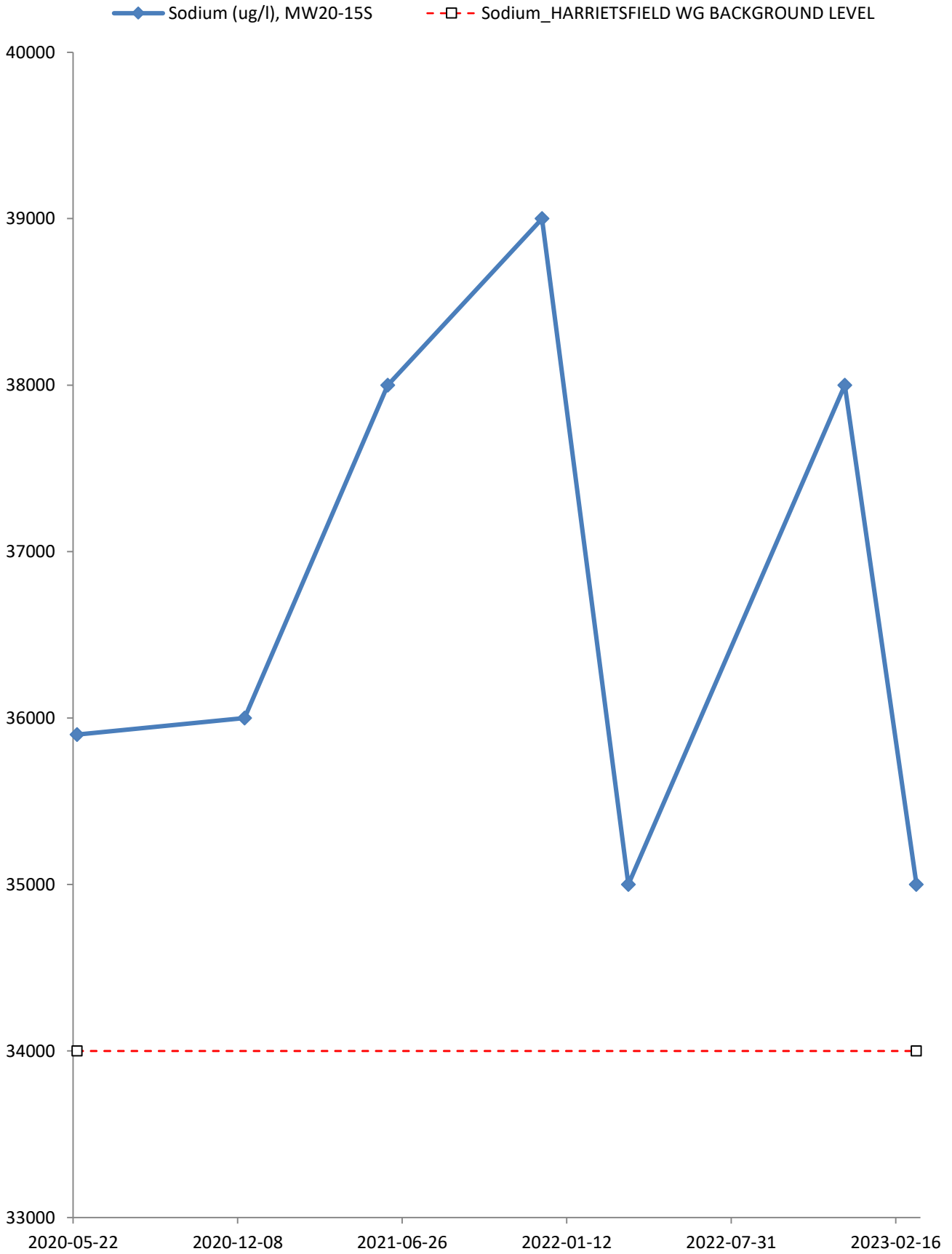
—◆— Saturation pH (at 20 C) (none), MW20-15S
- -□- - Saturation pH (at 20 C)_HARRIETSFIELD WG BACKGROUND LEVEL

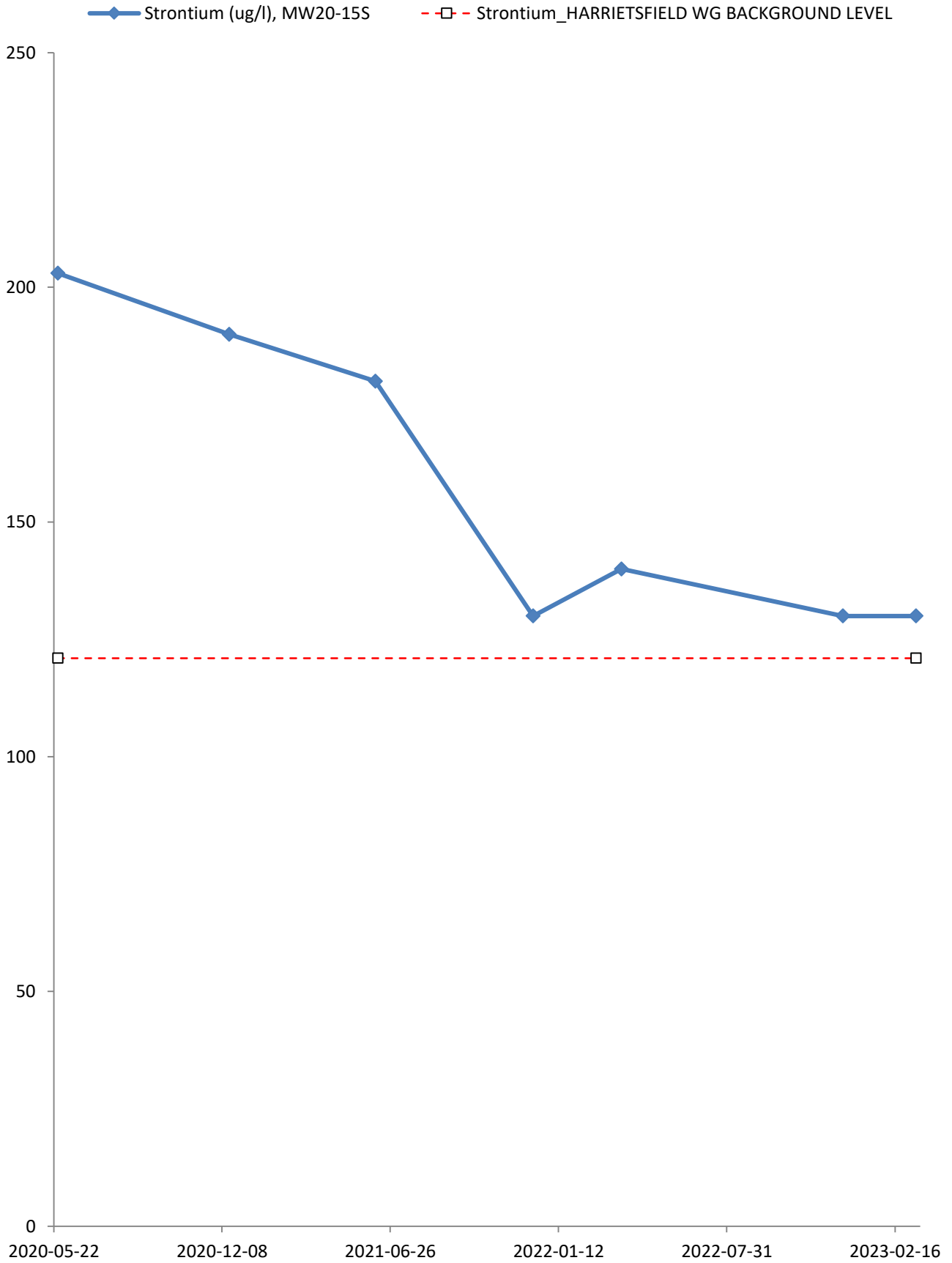


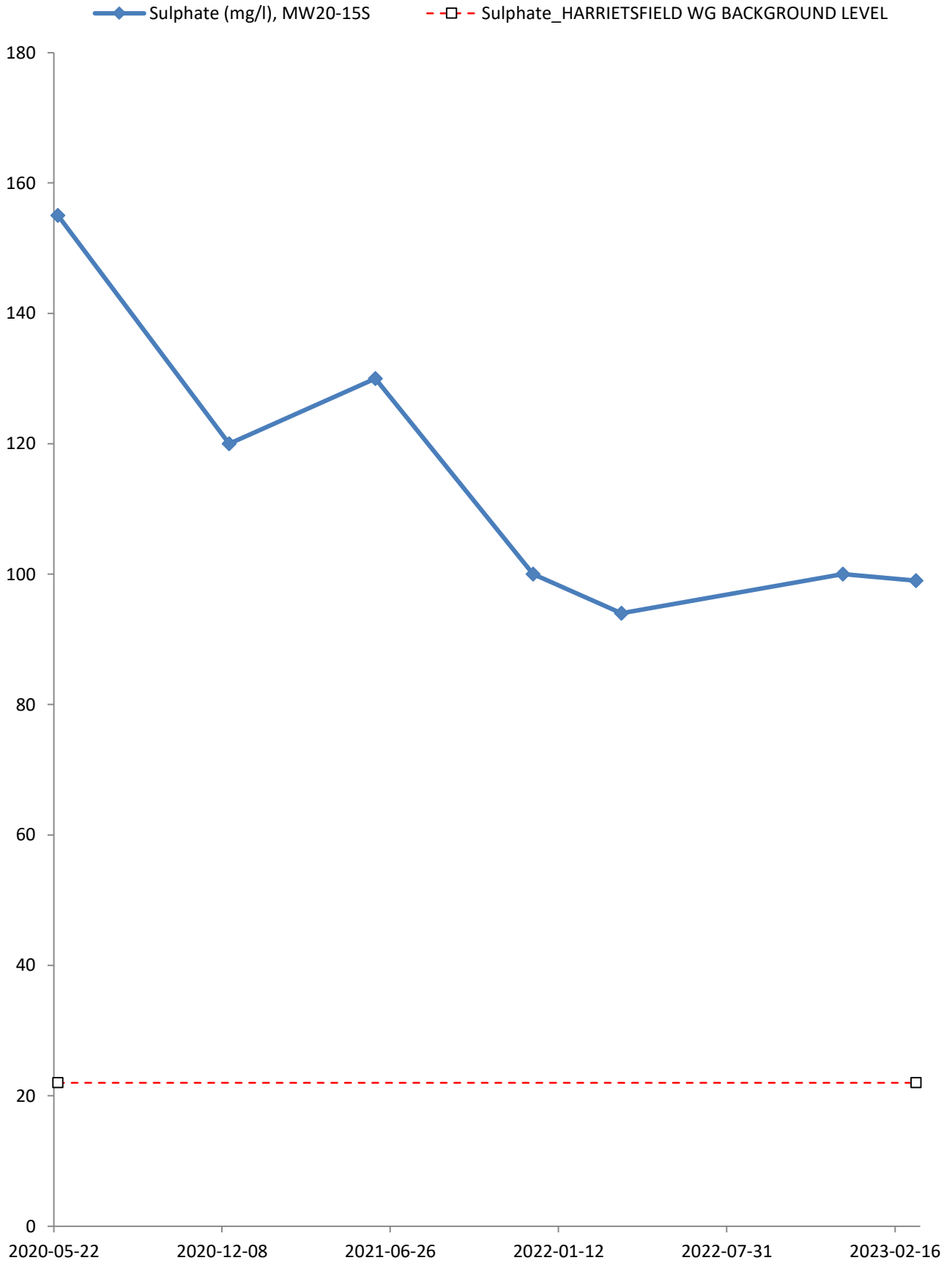


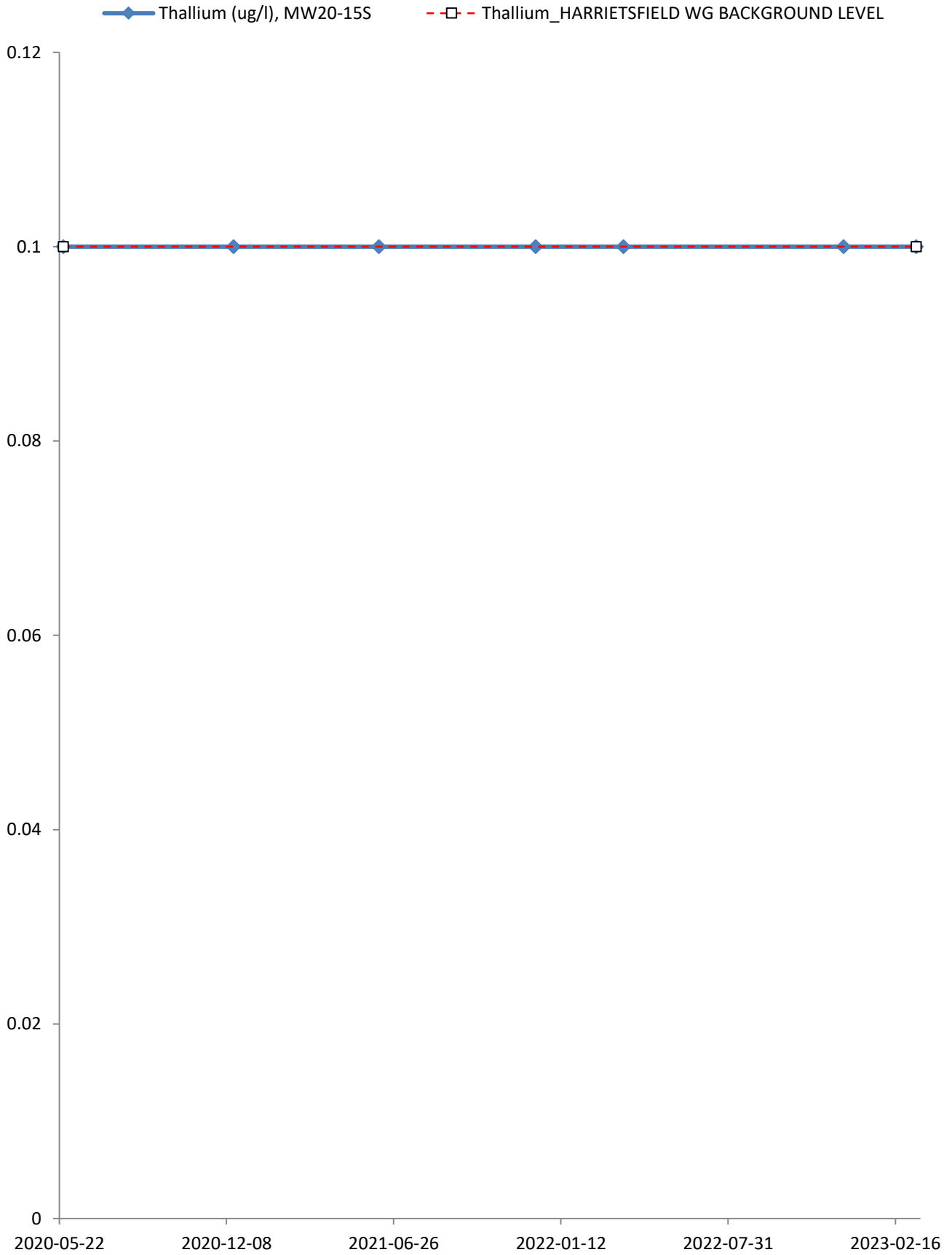


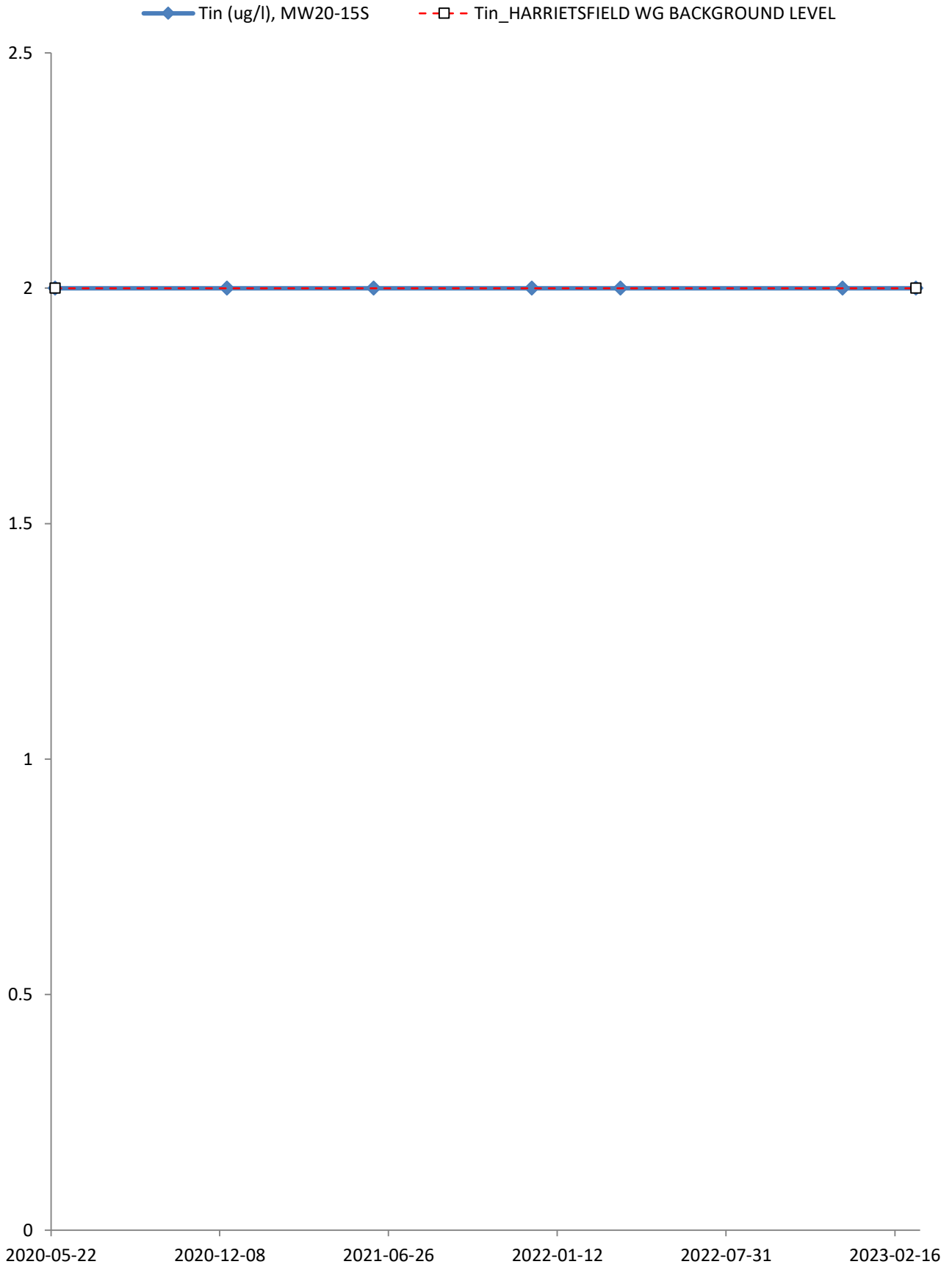


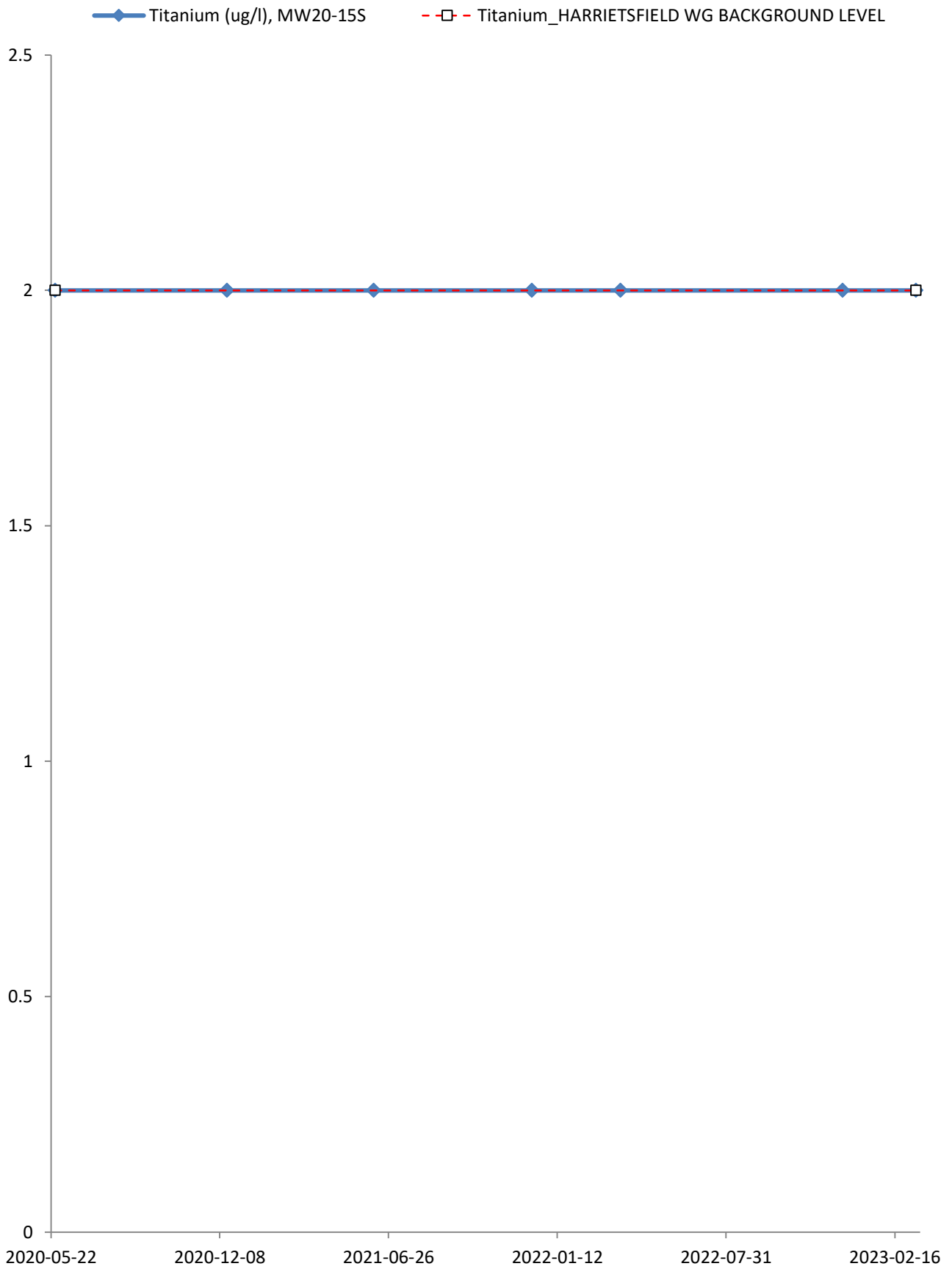


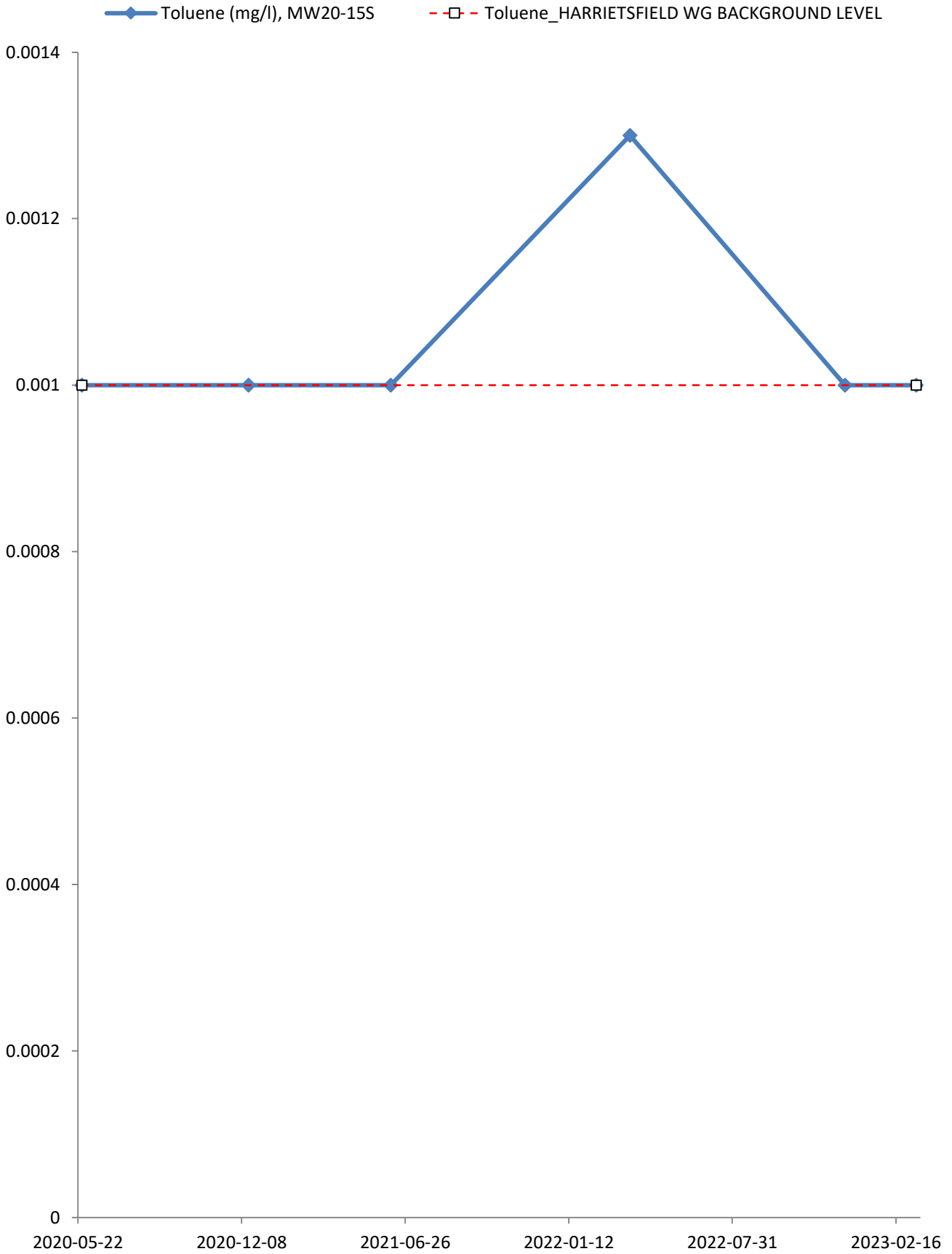




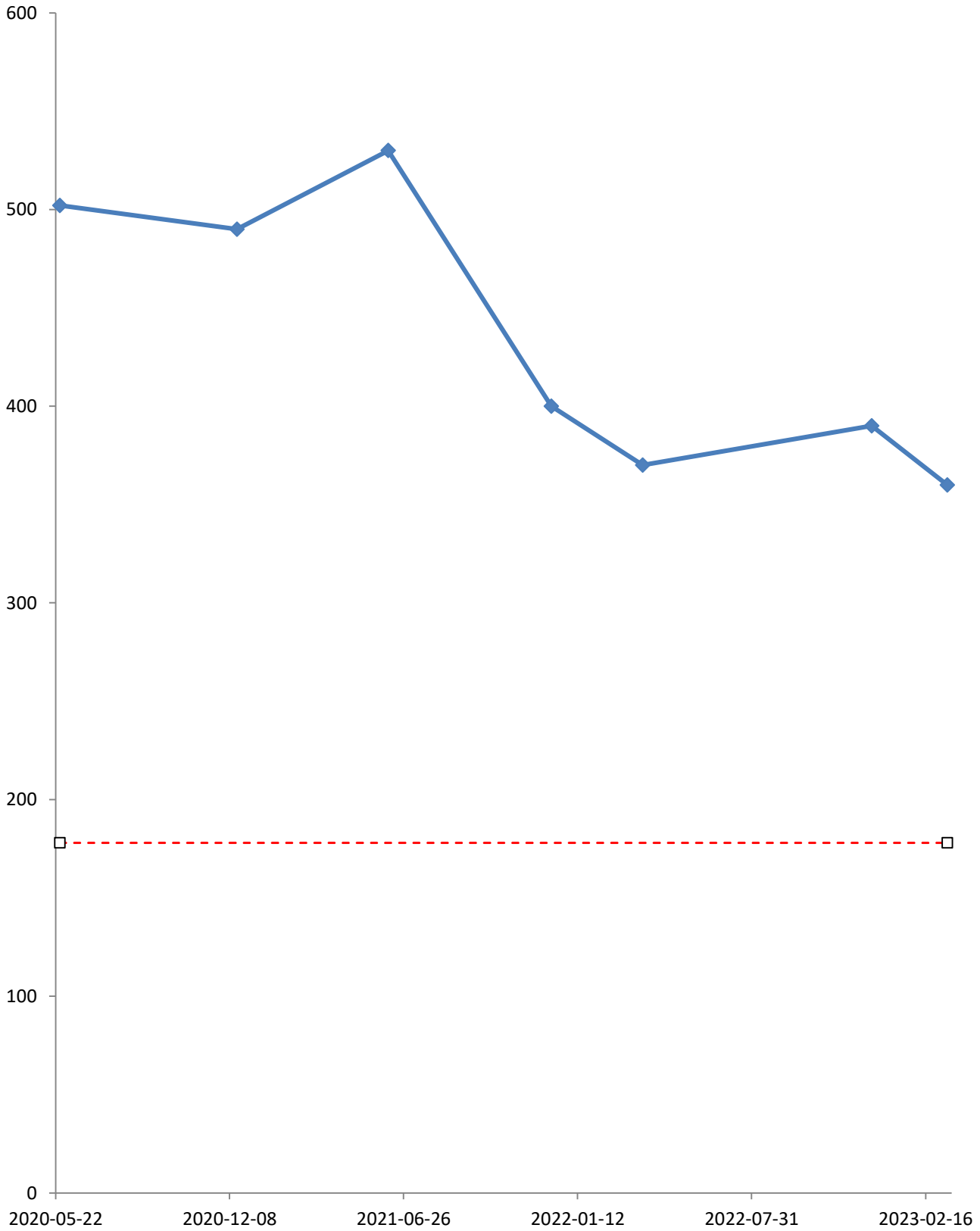




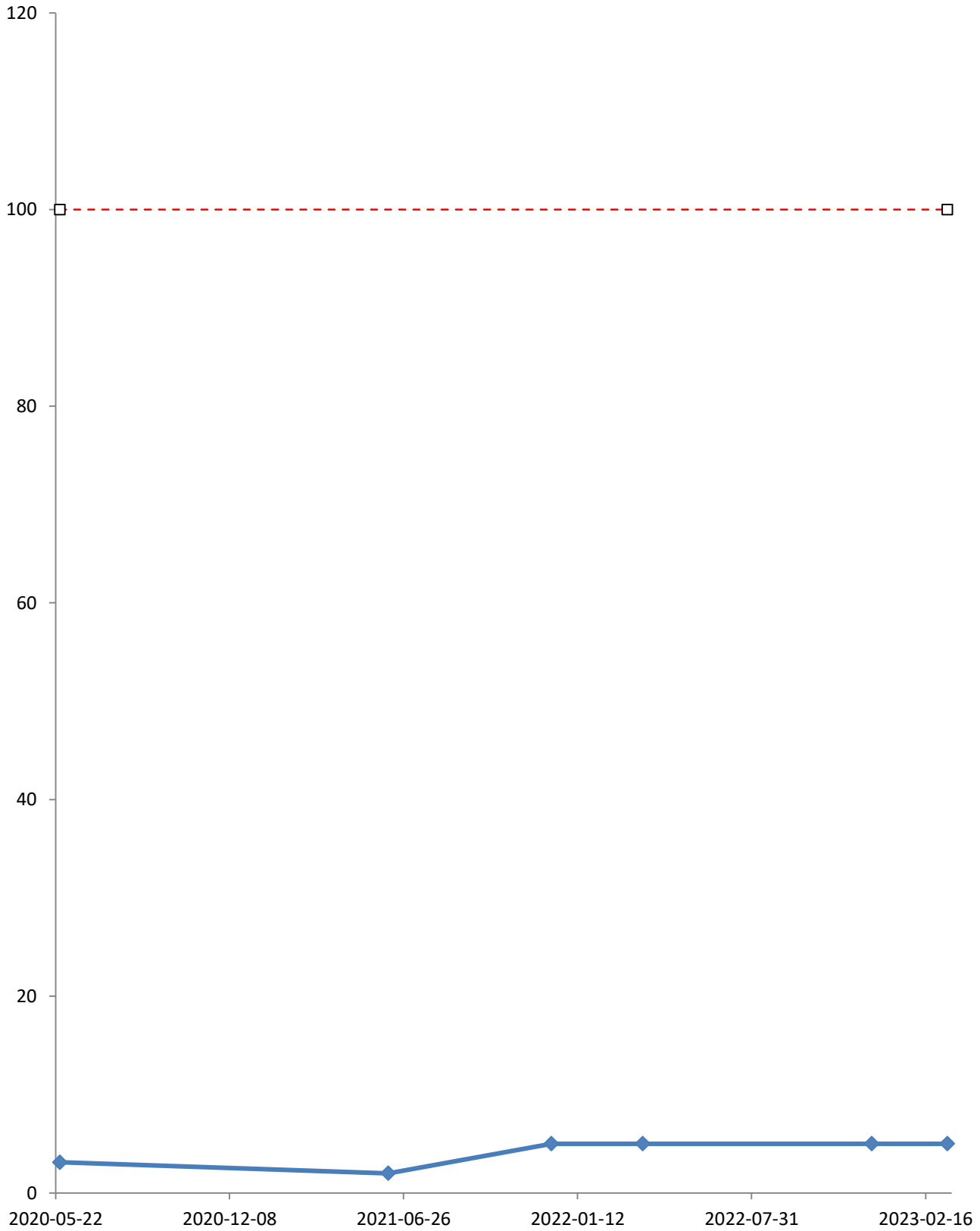




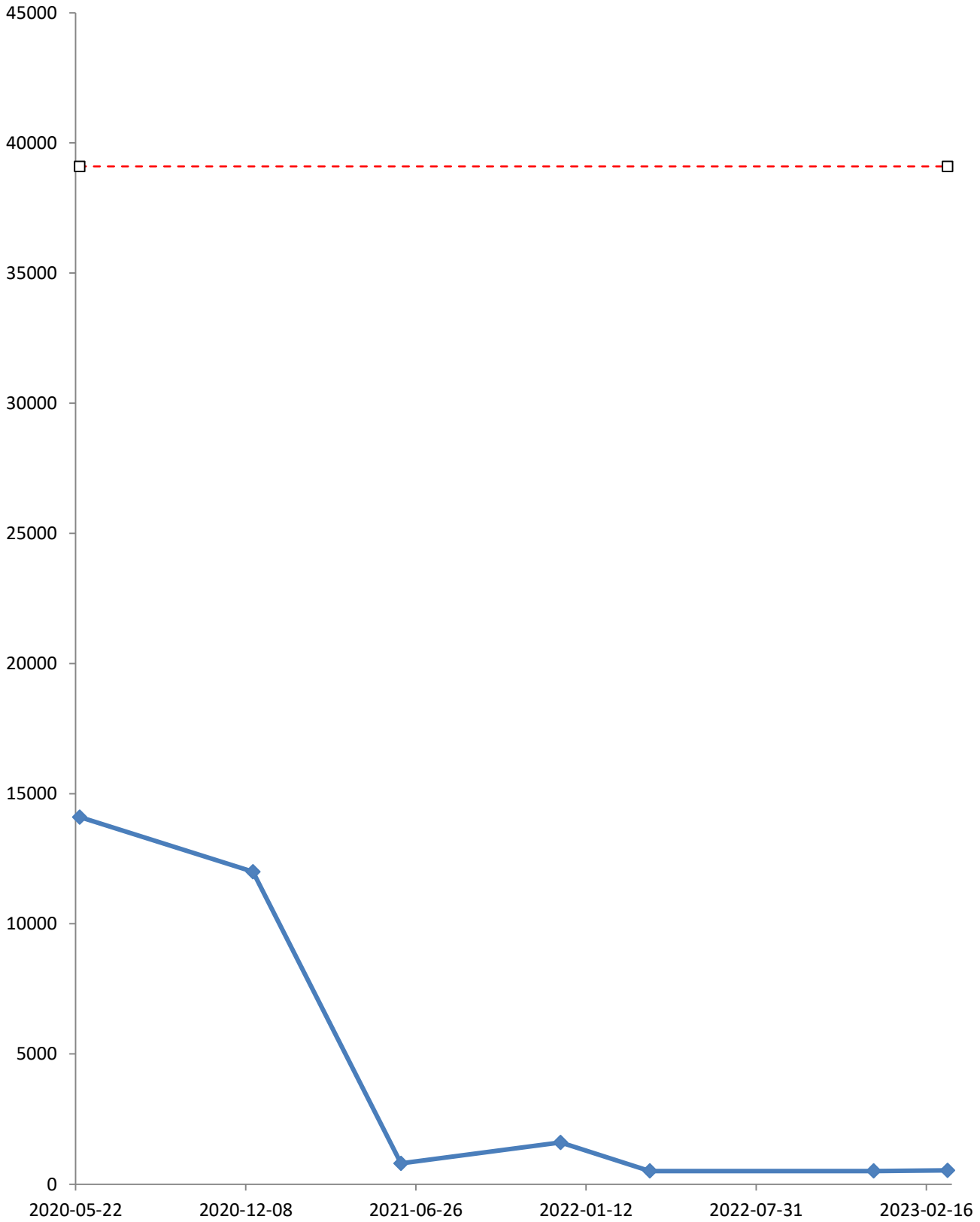
—◆— Total Diss Solids (Lab) (mg/l), MW20-15S
- -□- - Total Diss Solids (Lab)_HARRIETSFIELD WG BACKGROUND LEVEL

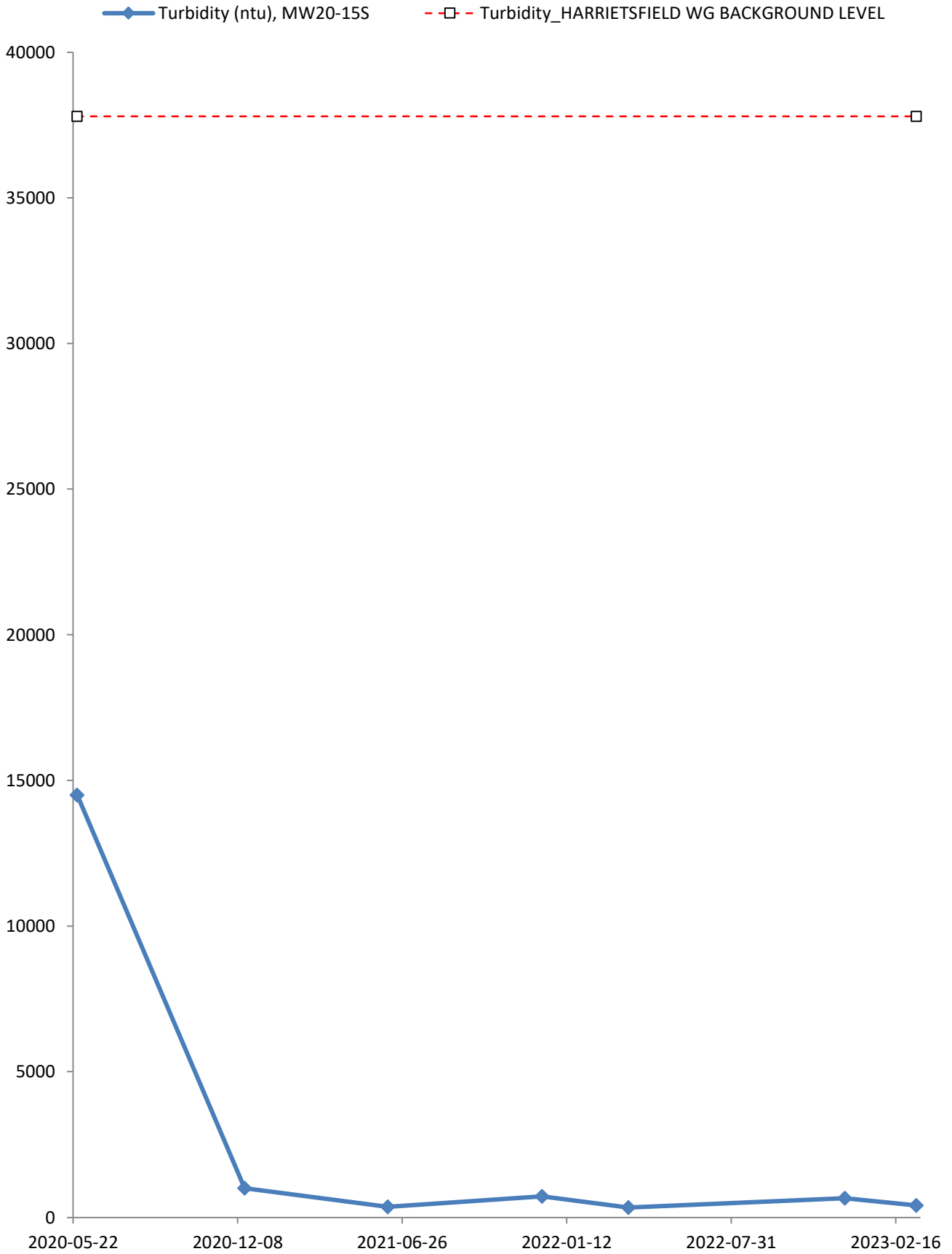


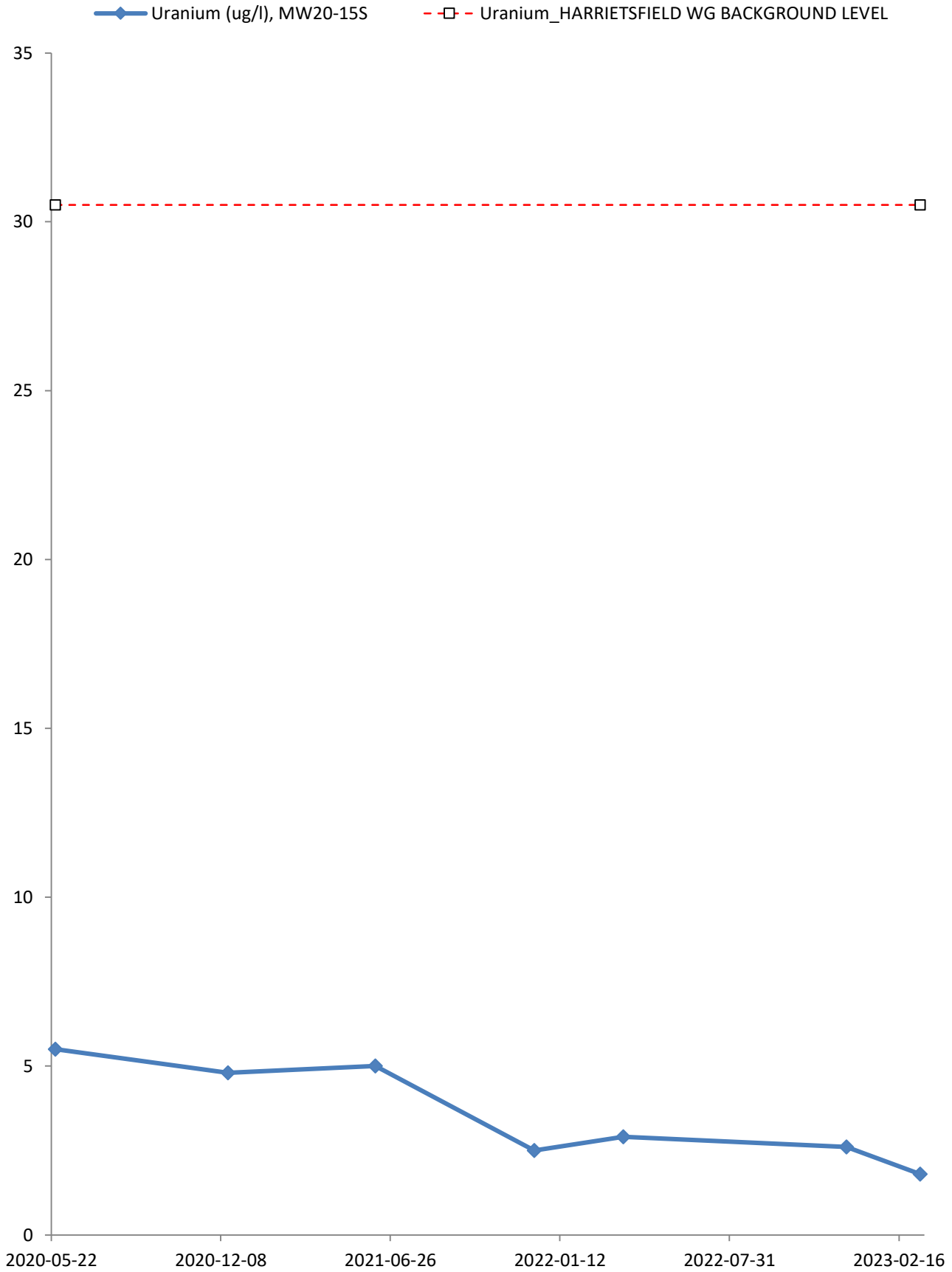
—◆— Total Organic Carbon (mg/l), MW20-15S
- -□- - Total Organic Carbon_HARRIETSFIELD WG BACKGROUND LEVEL

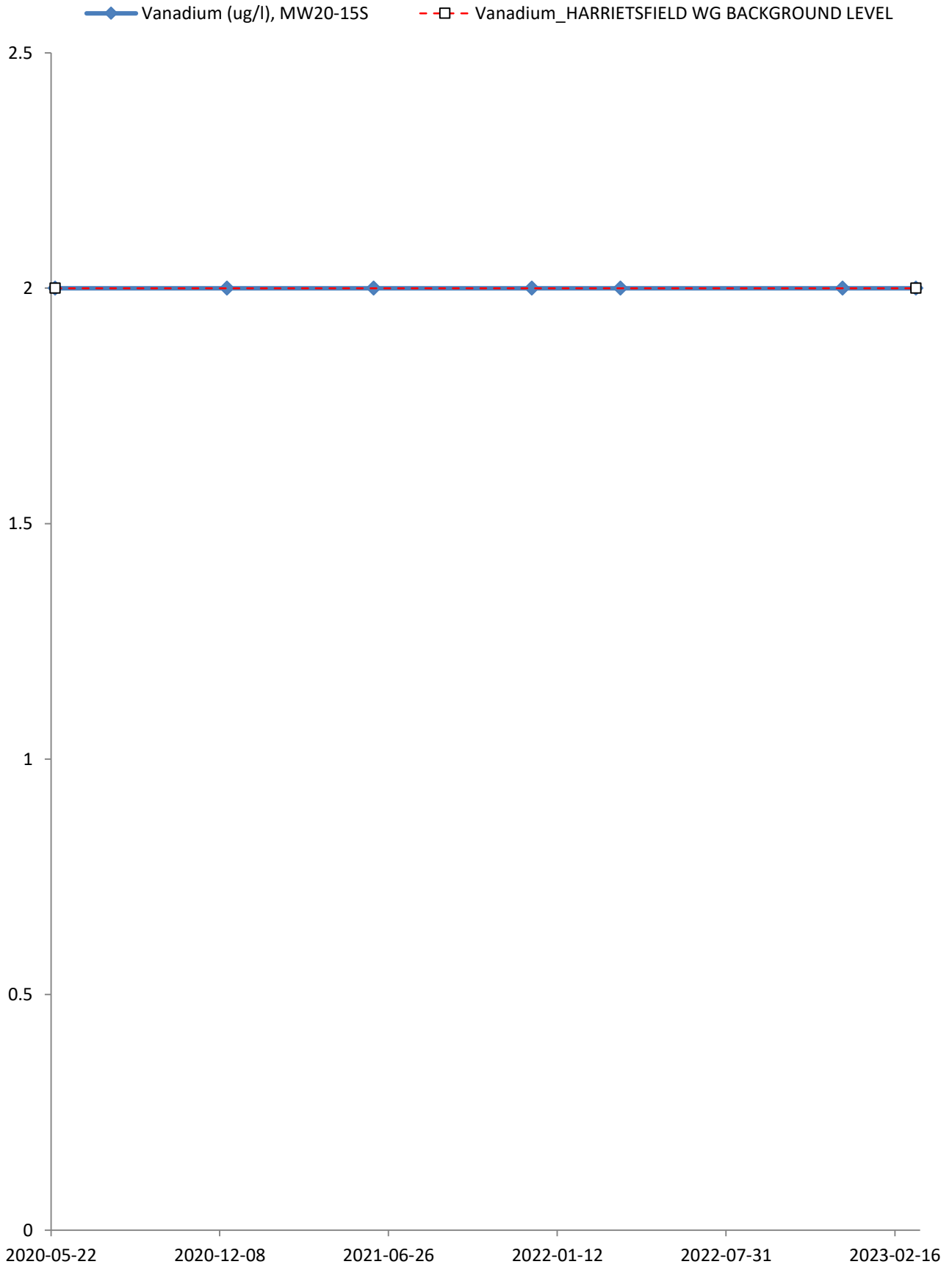


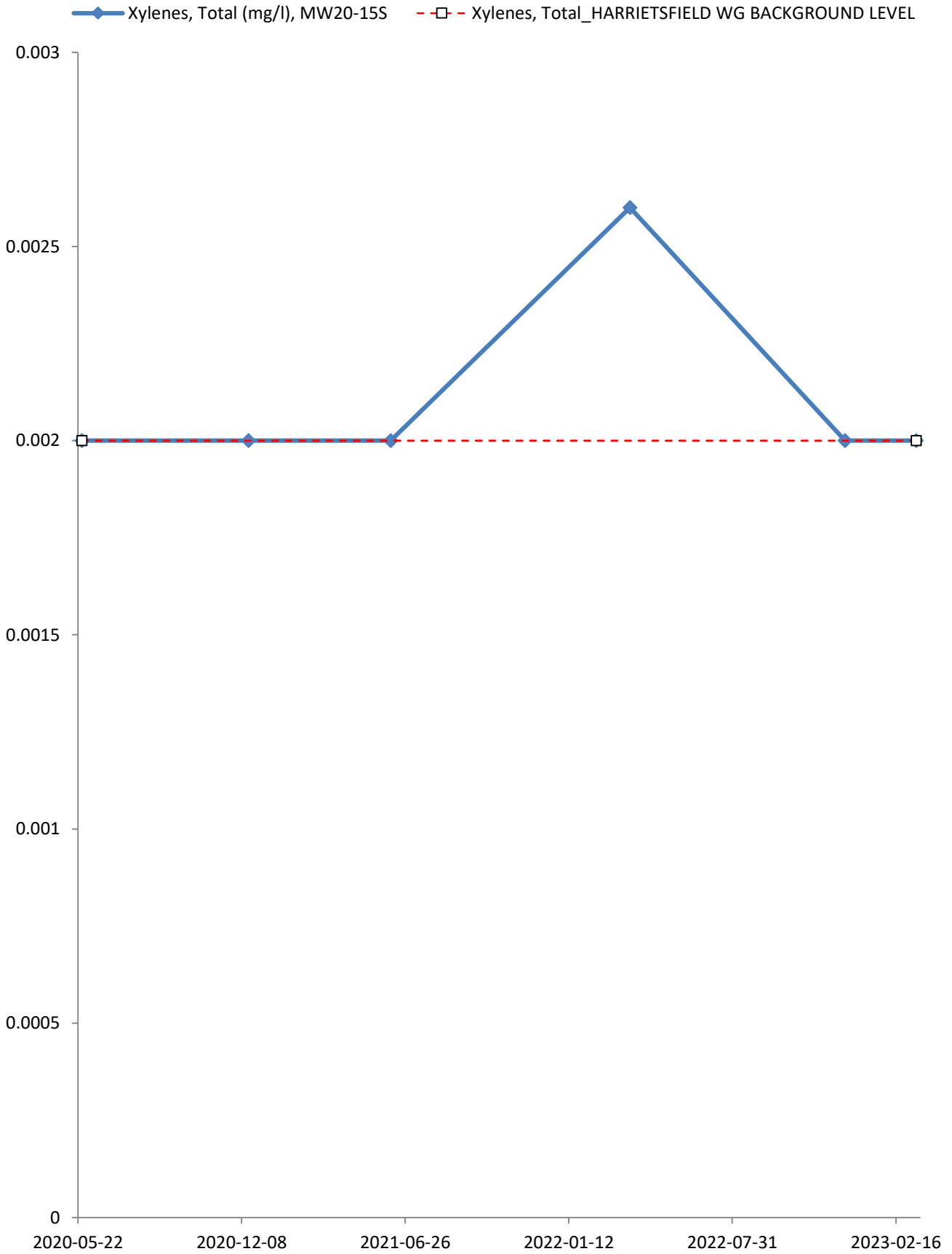
◆ Total Suspended Solids (mg/l), MW20-15S
-□- Total Suspended Solids_HARRIETSFIELD WG BACKGROUND LEVEL

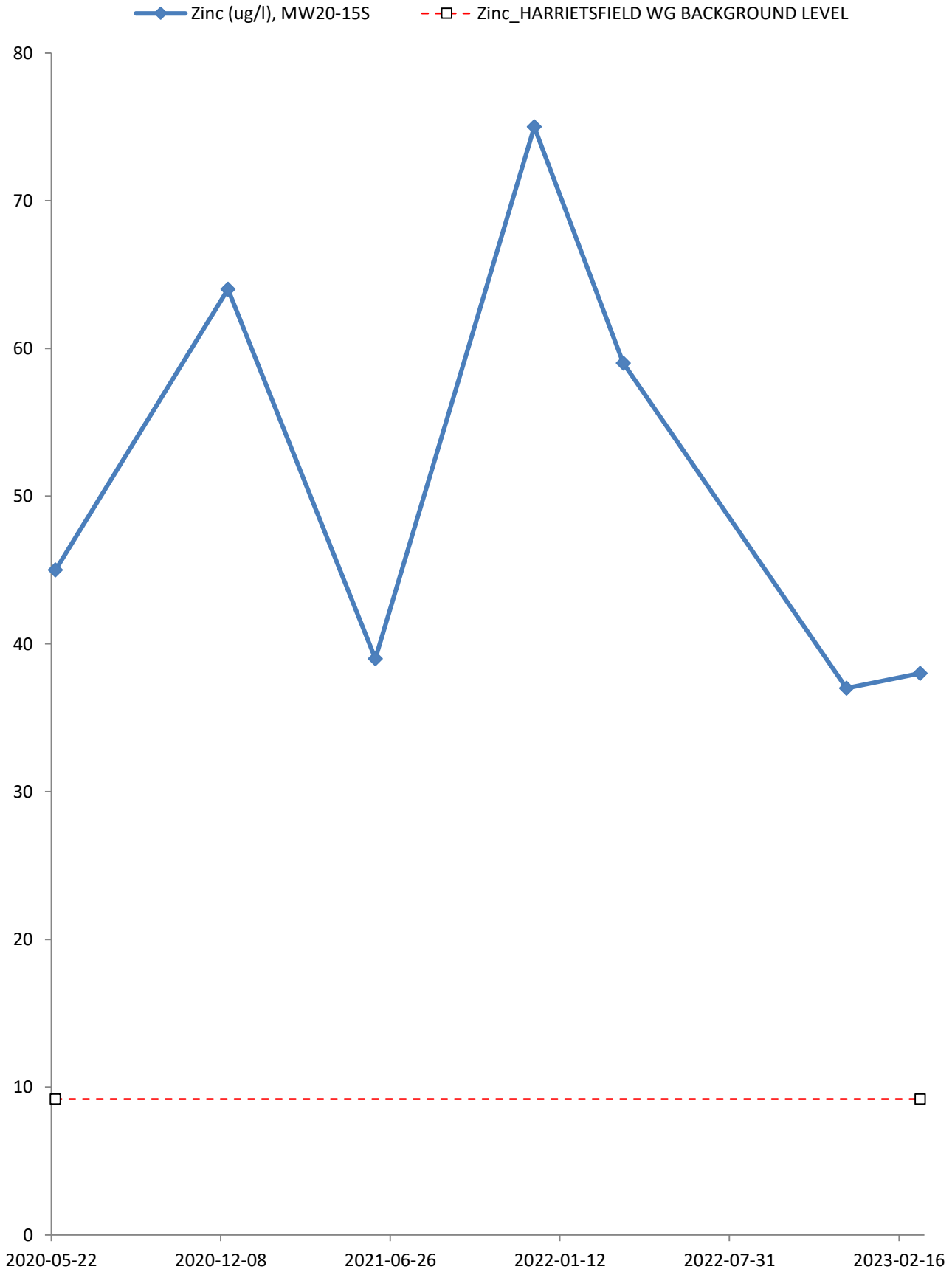


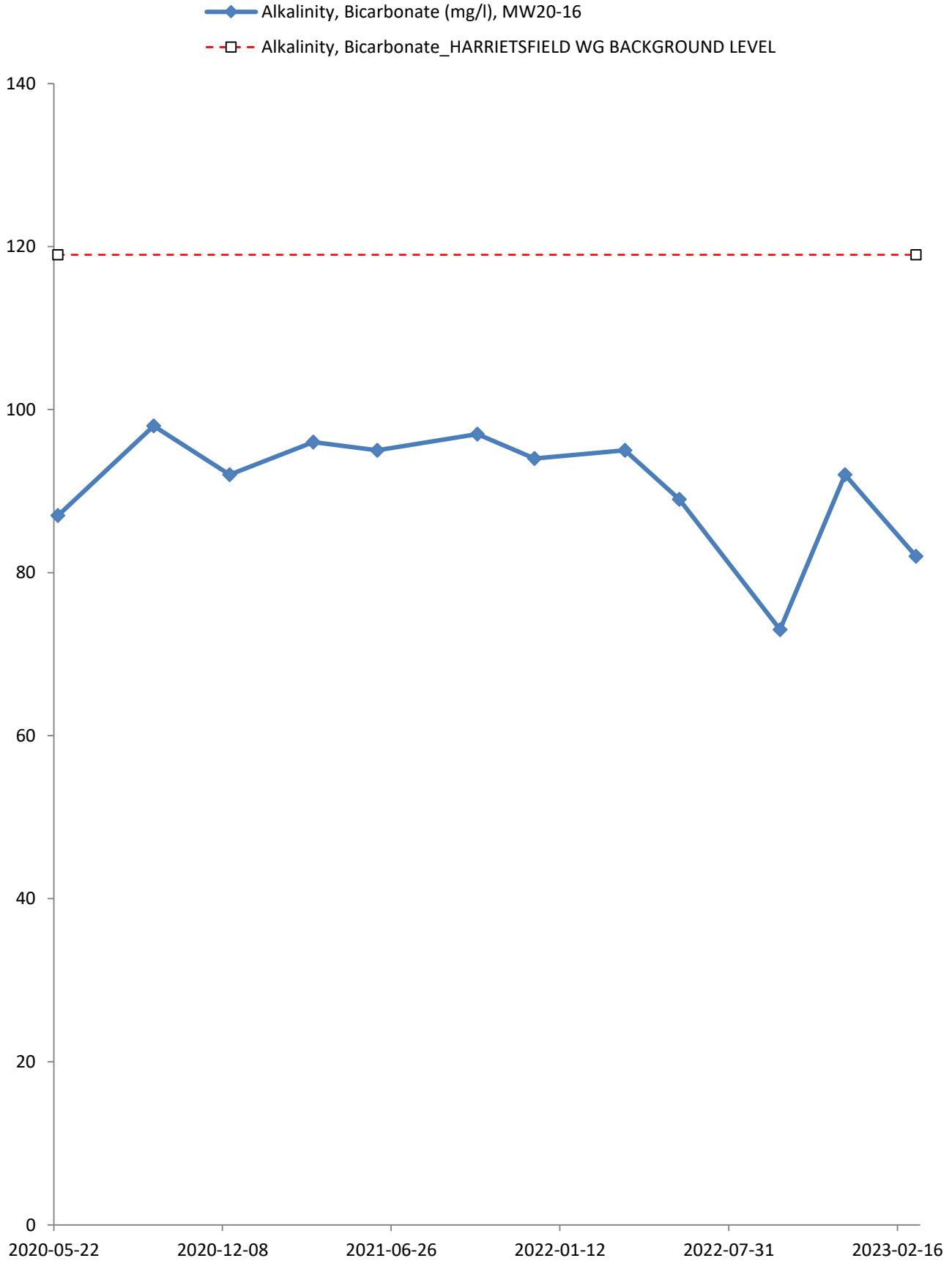




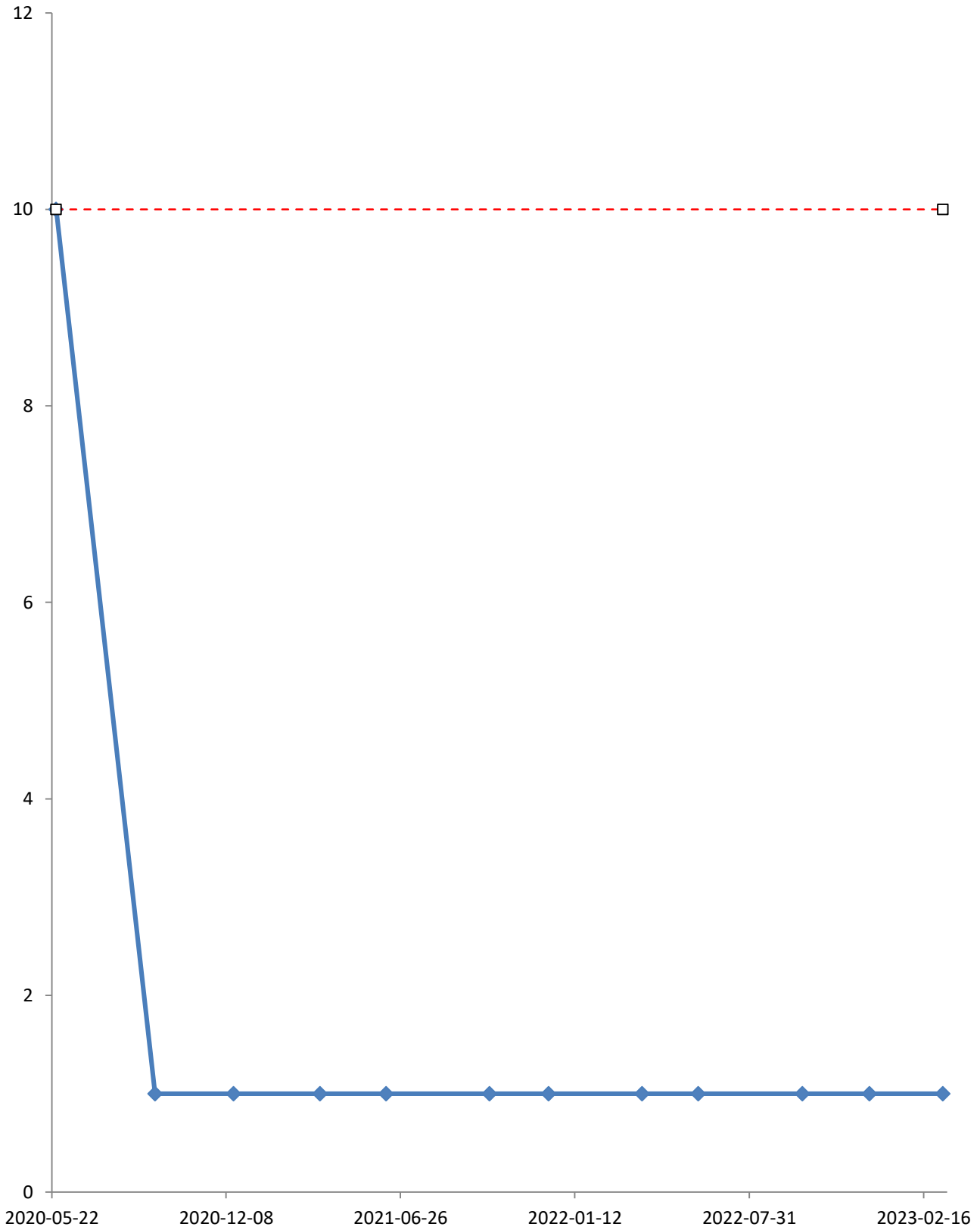


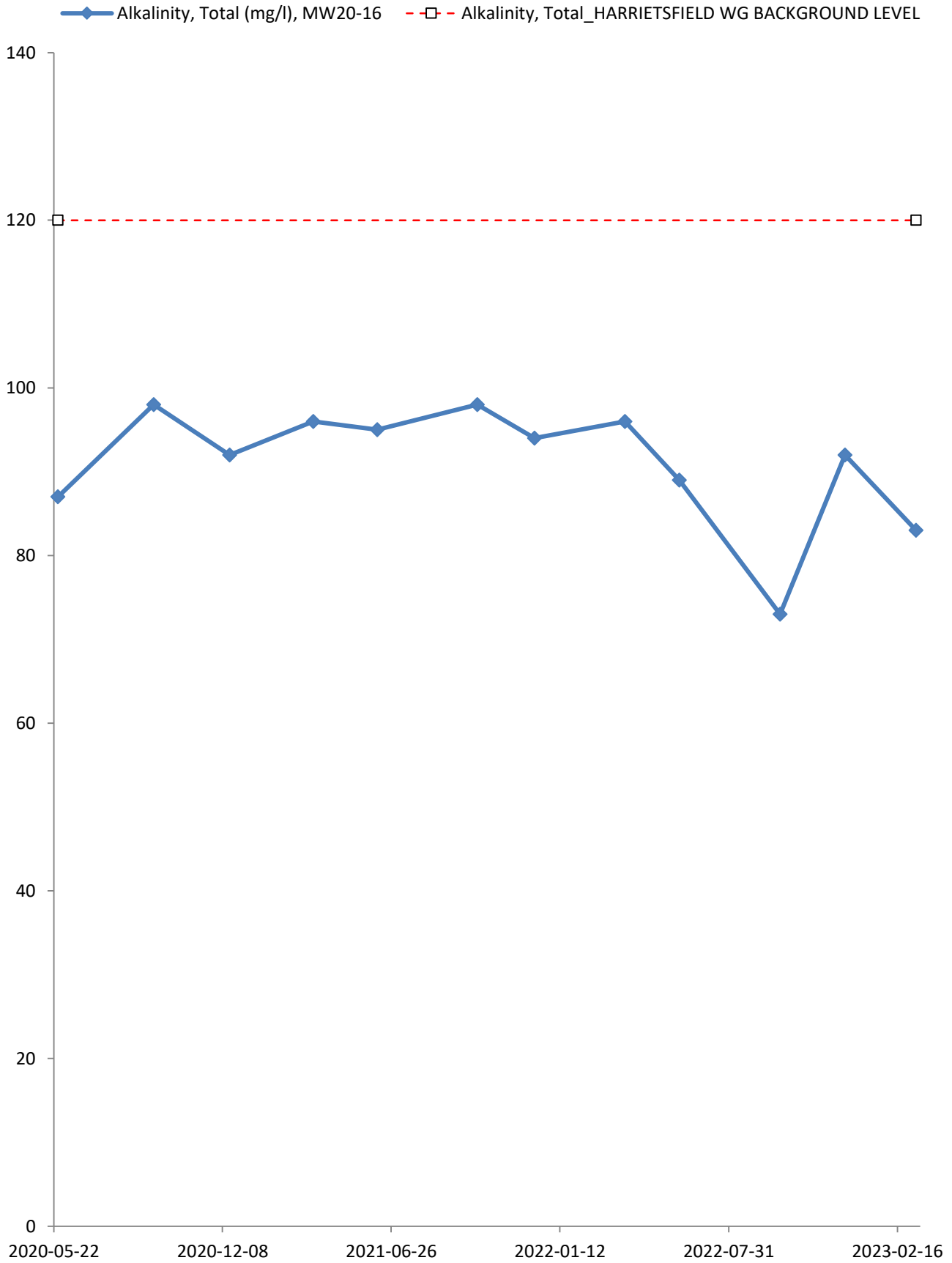


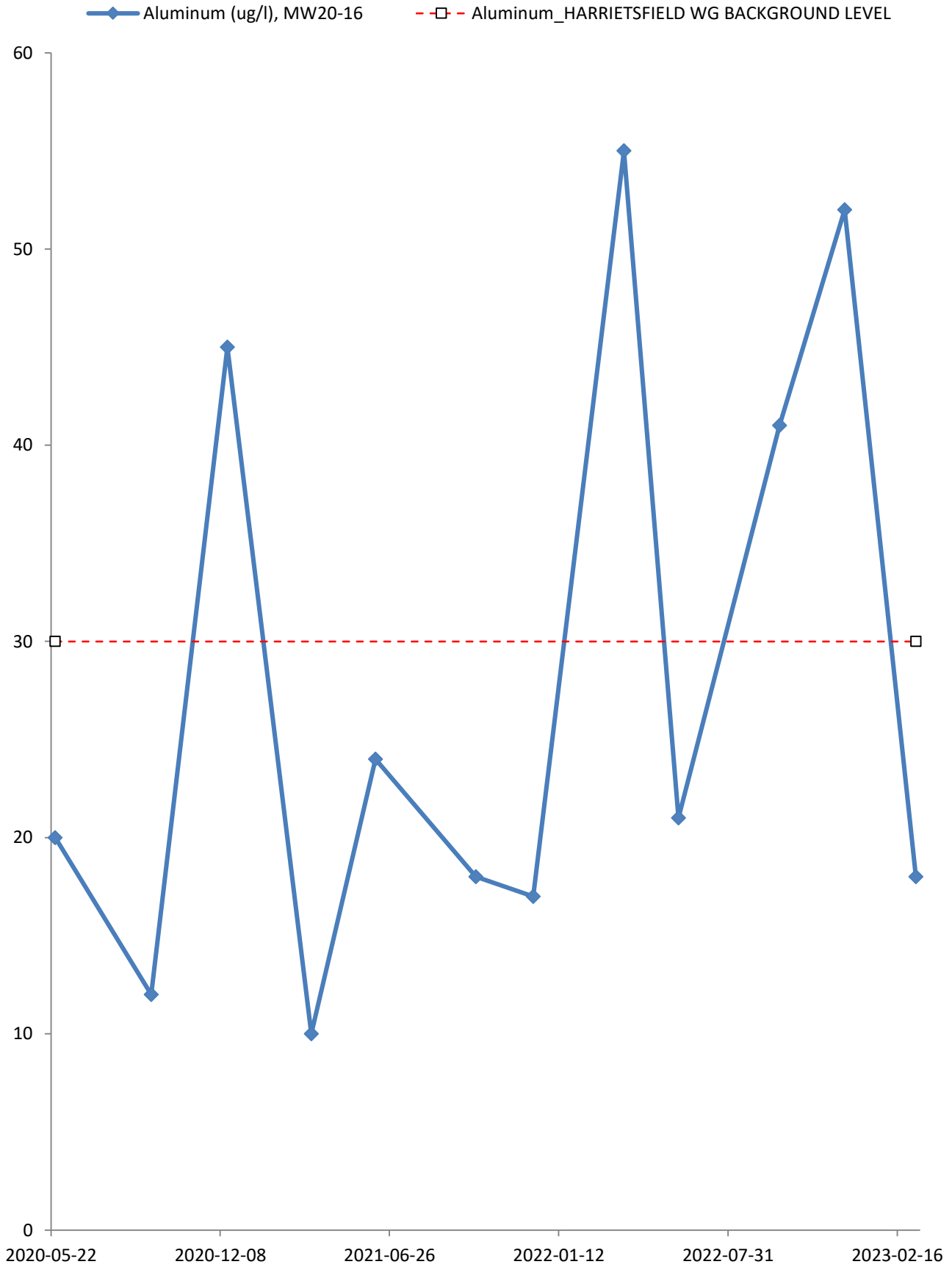


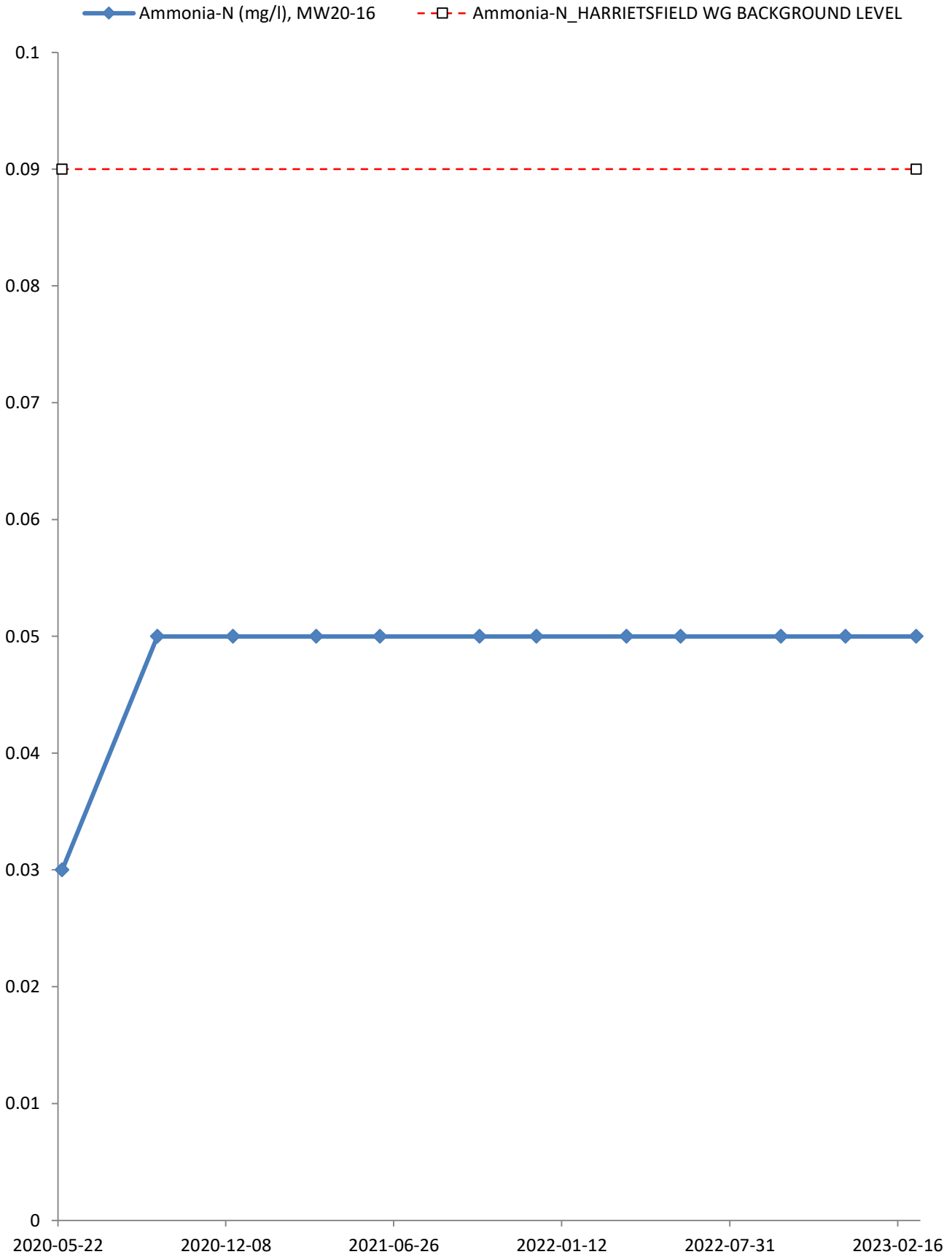


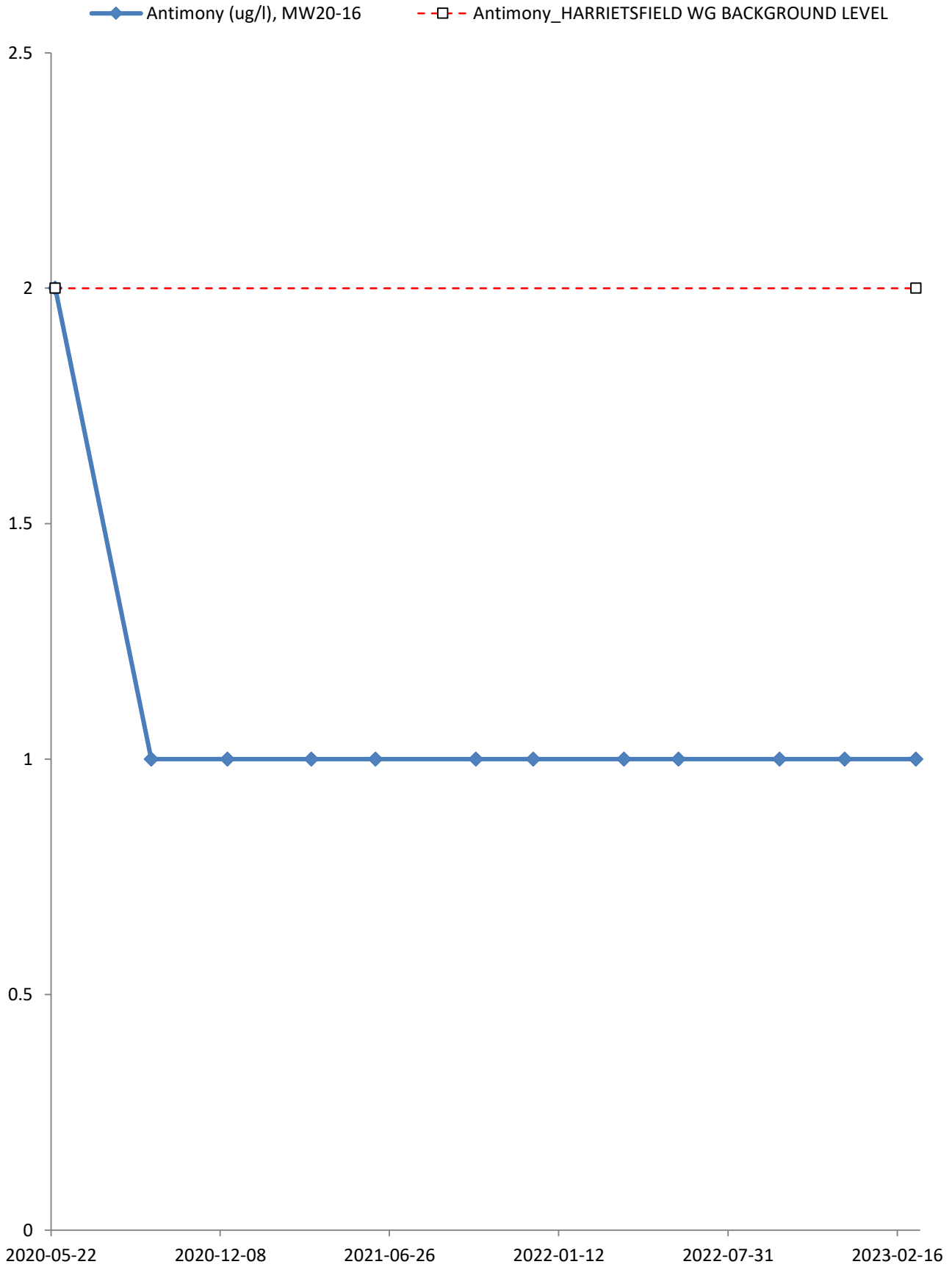
—◆— Alkalinity, Carbonate (mg/l), MW20-16
- -□- - Alkalinity, Carbonate_HARRIETSFIELD WG BACKGROUND LEVEL

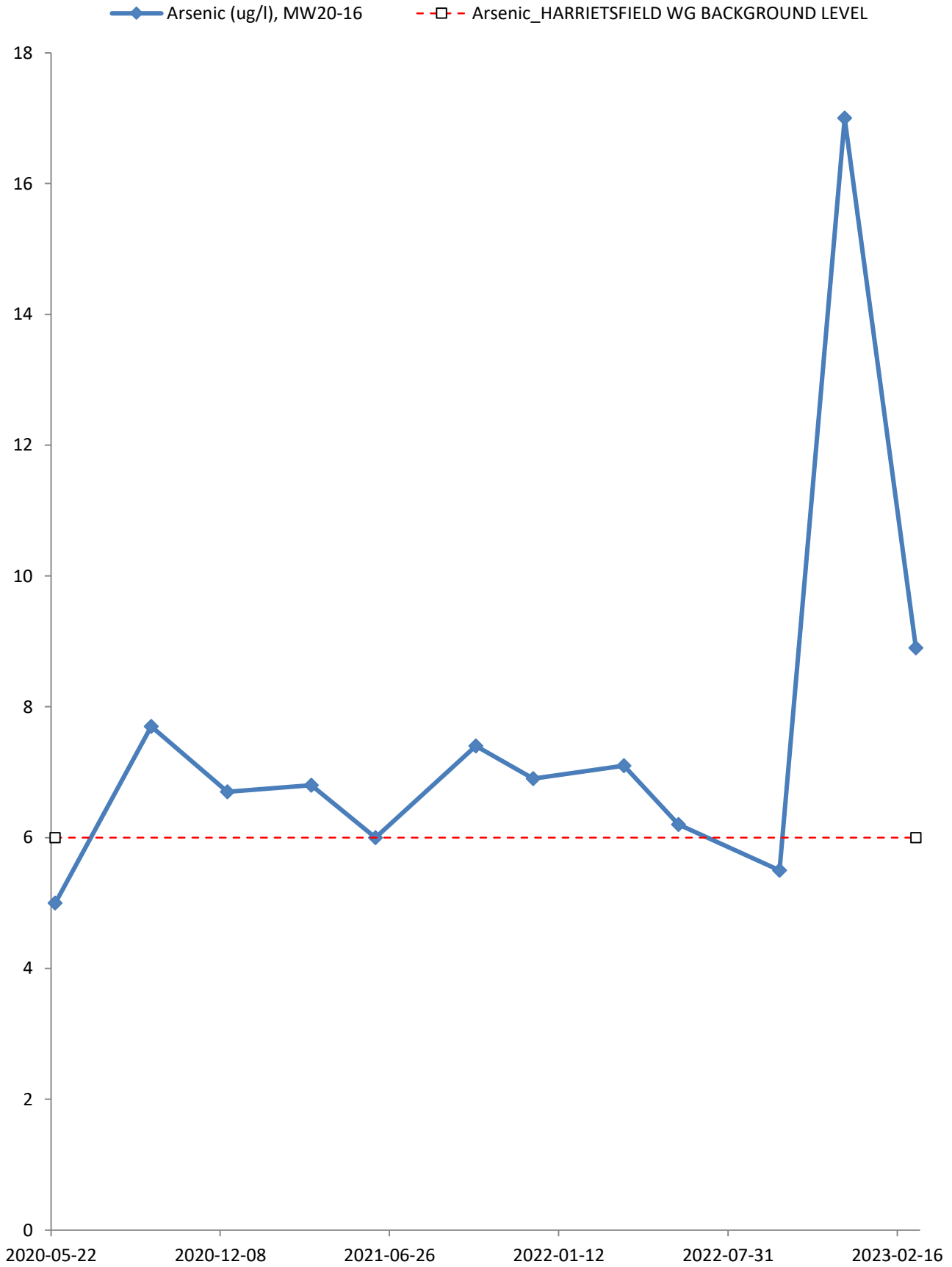


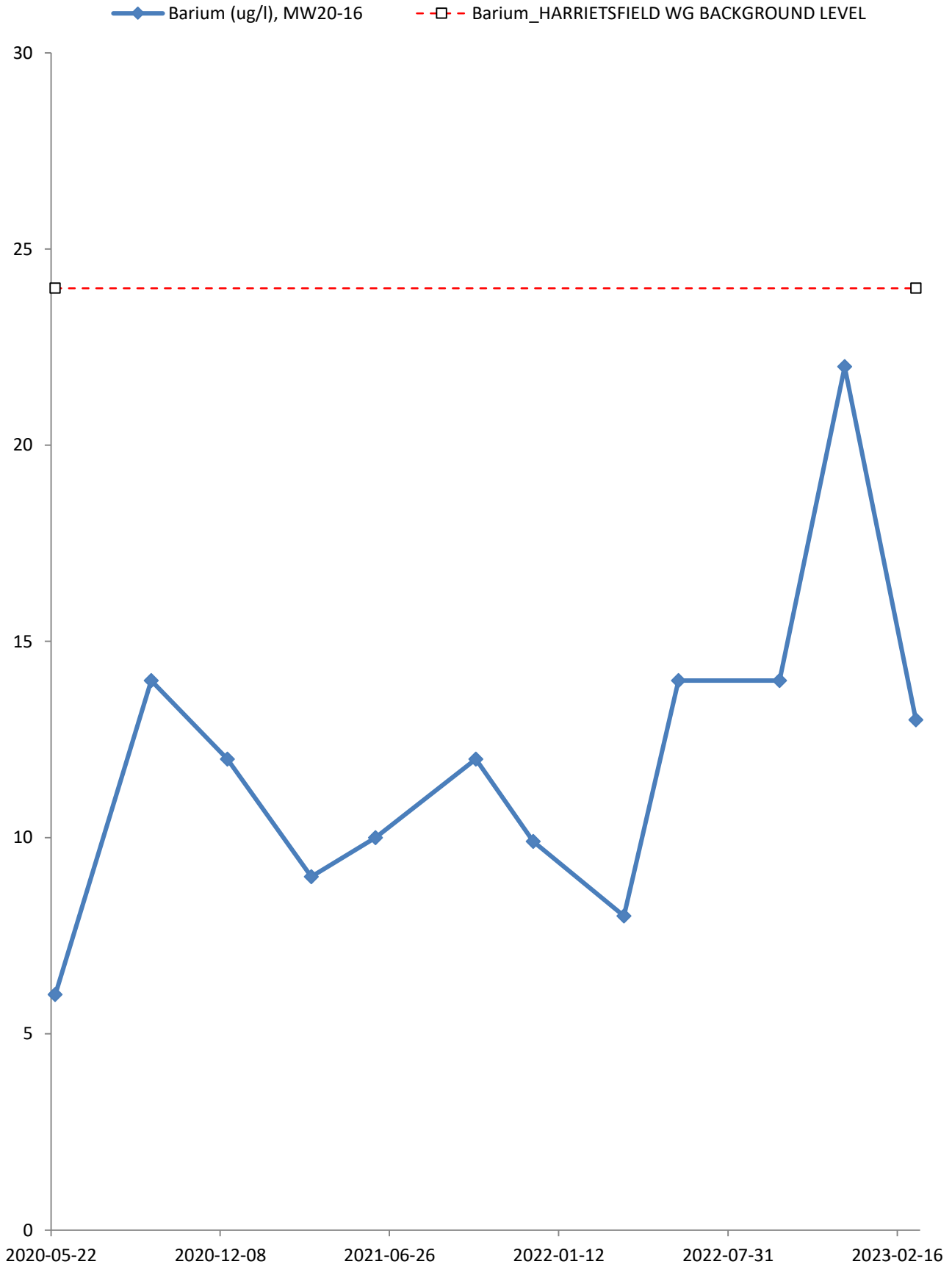


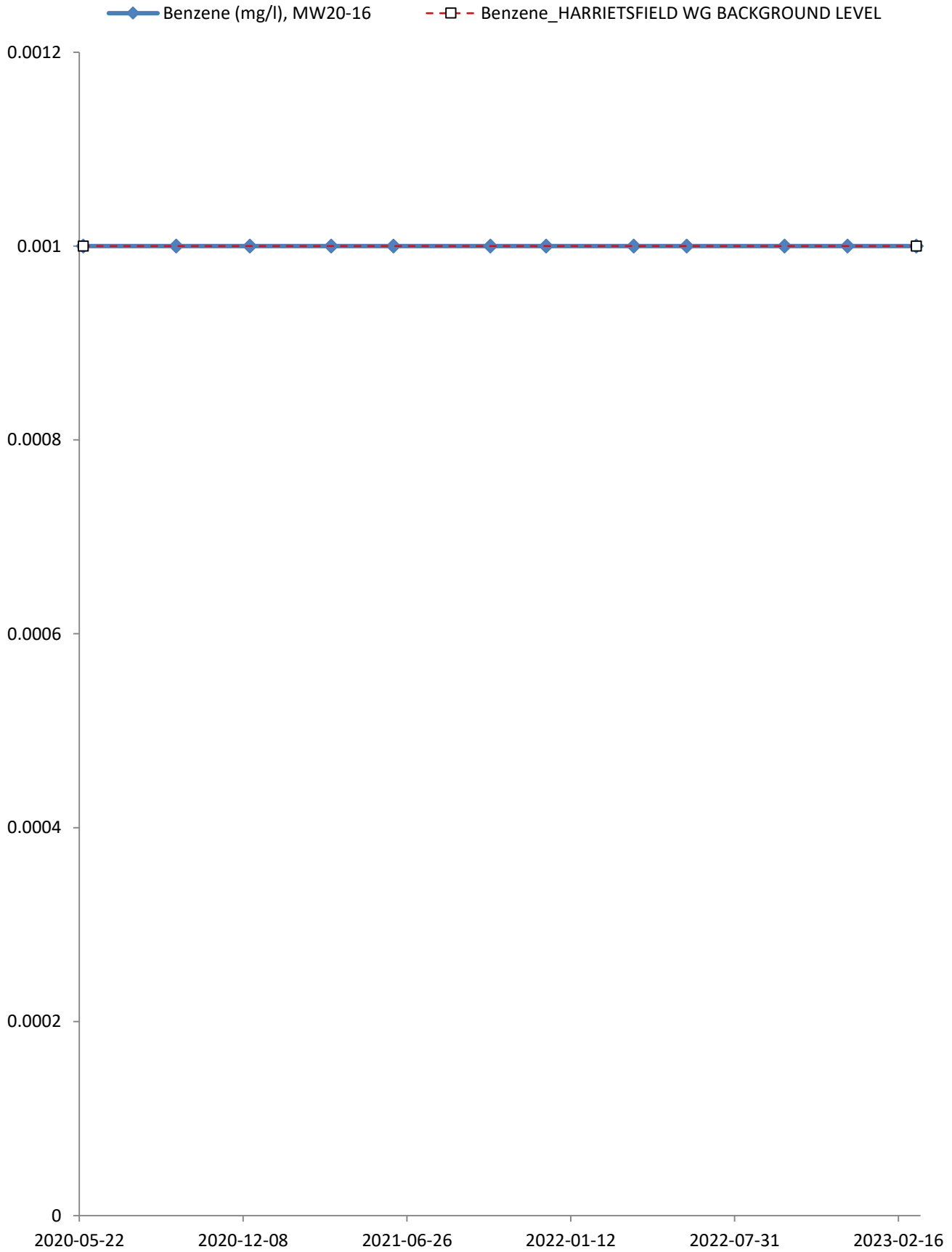


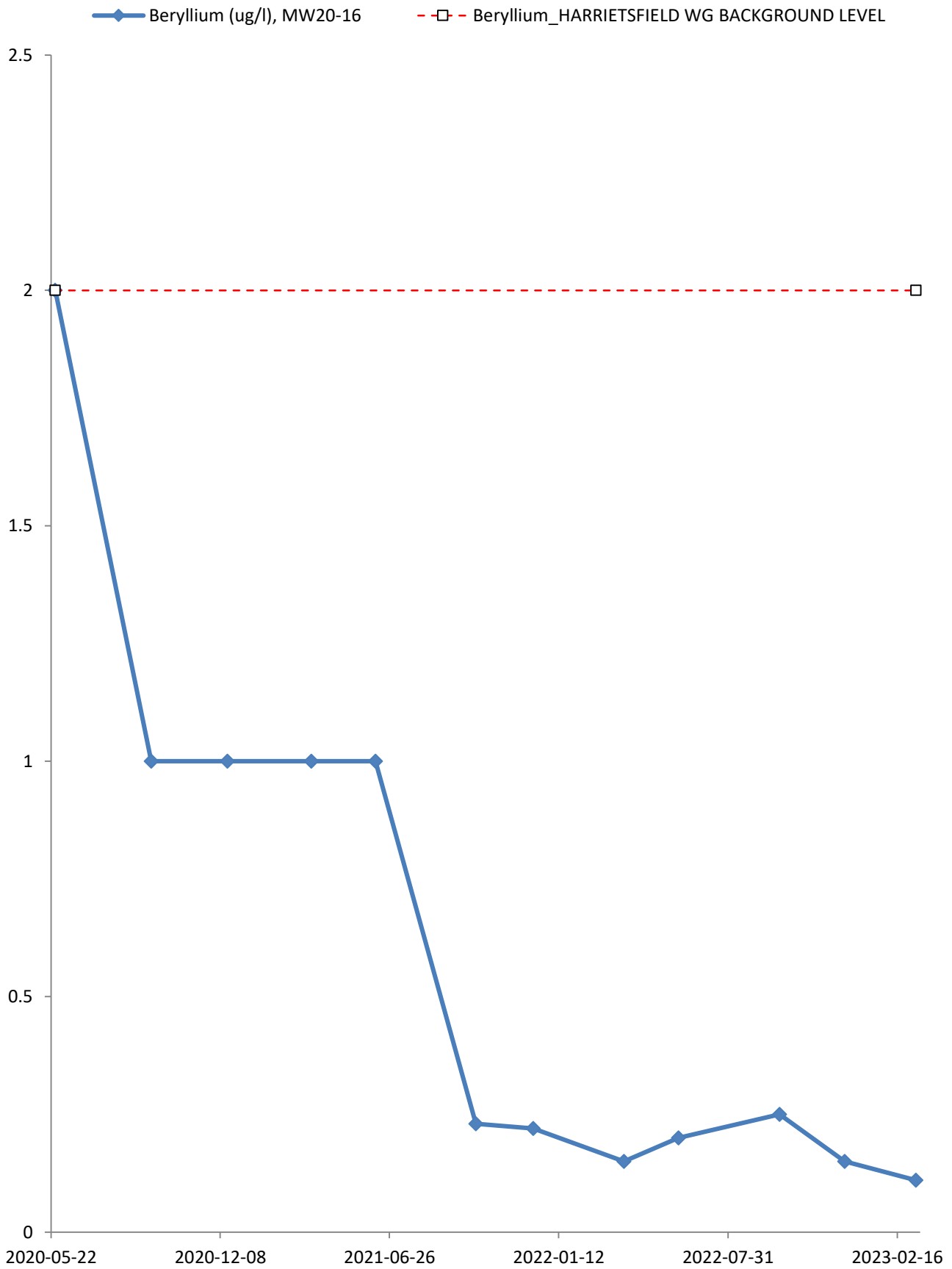


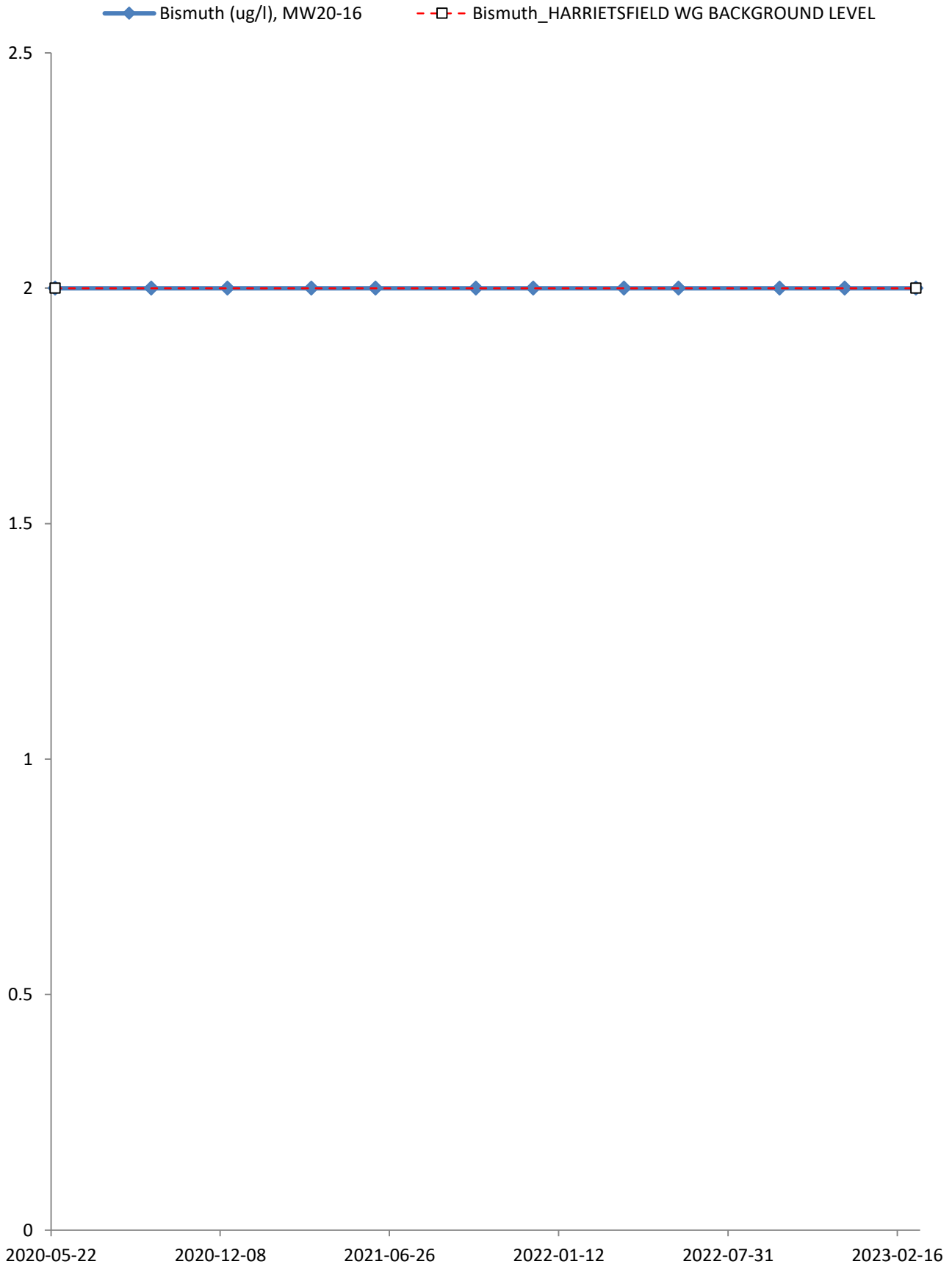


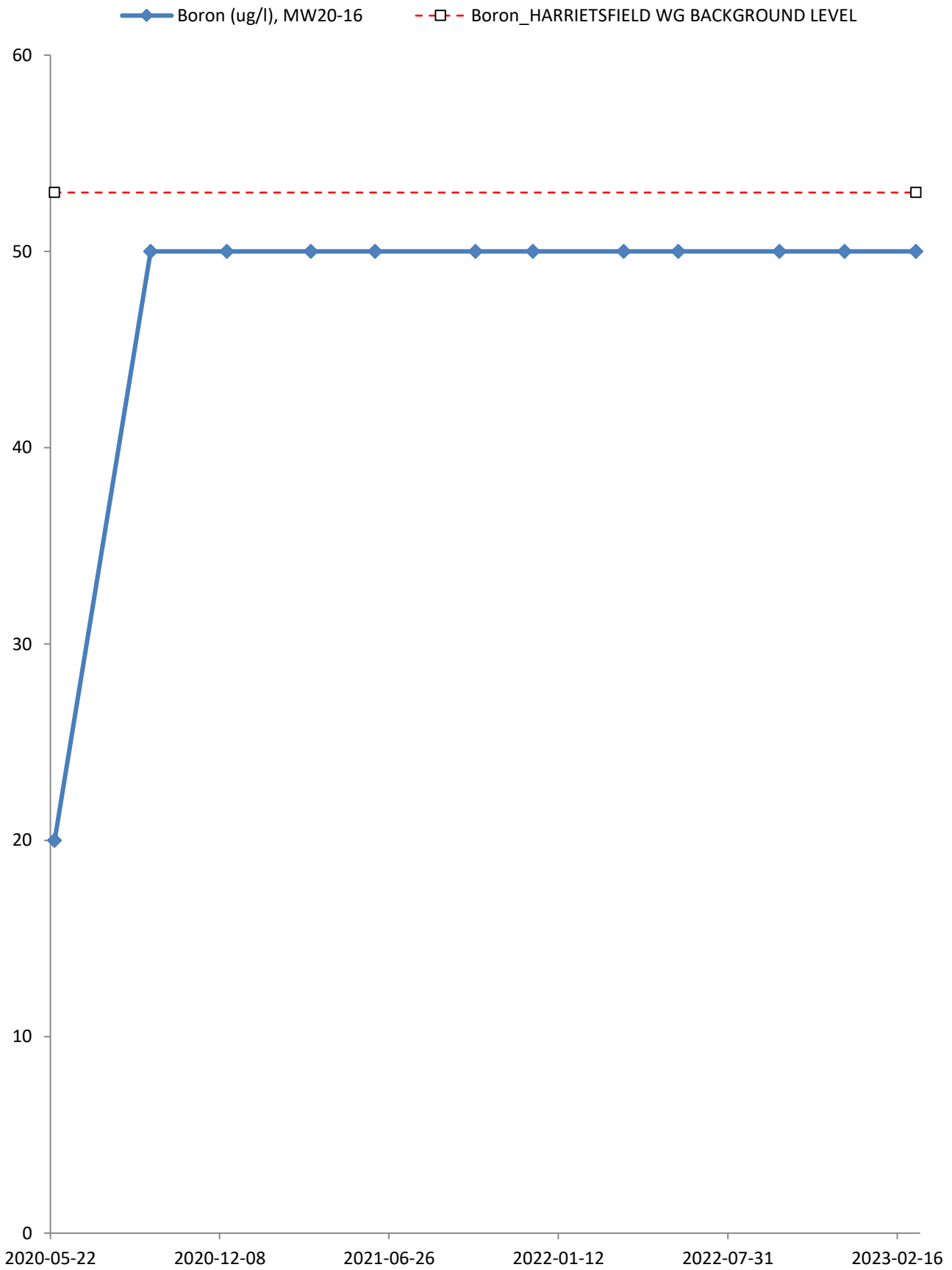


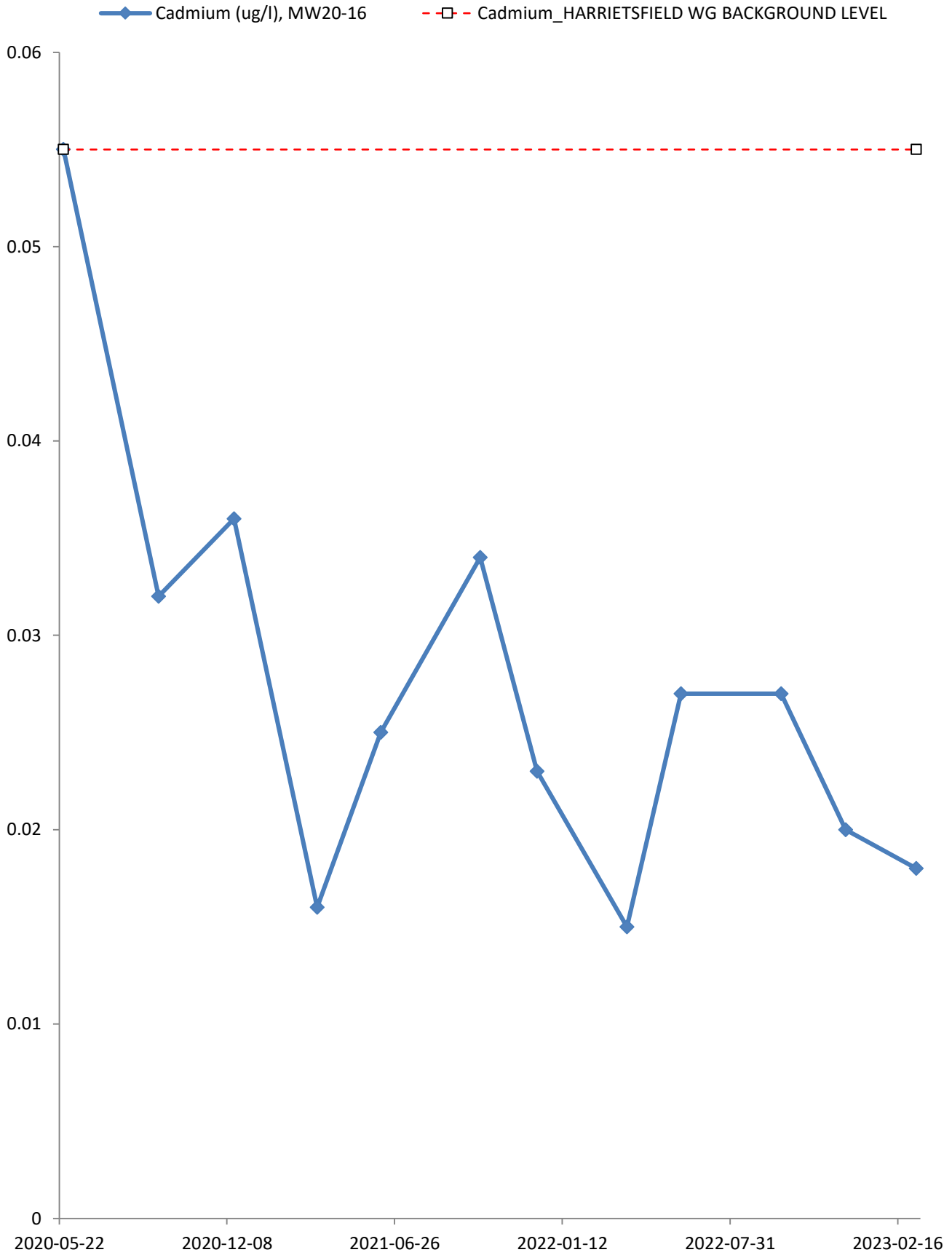


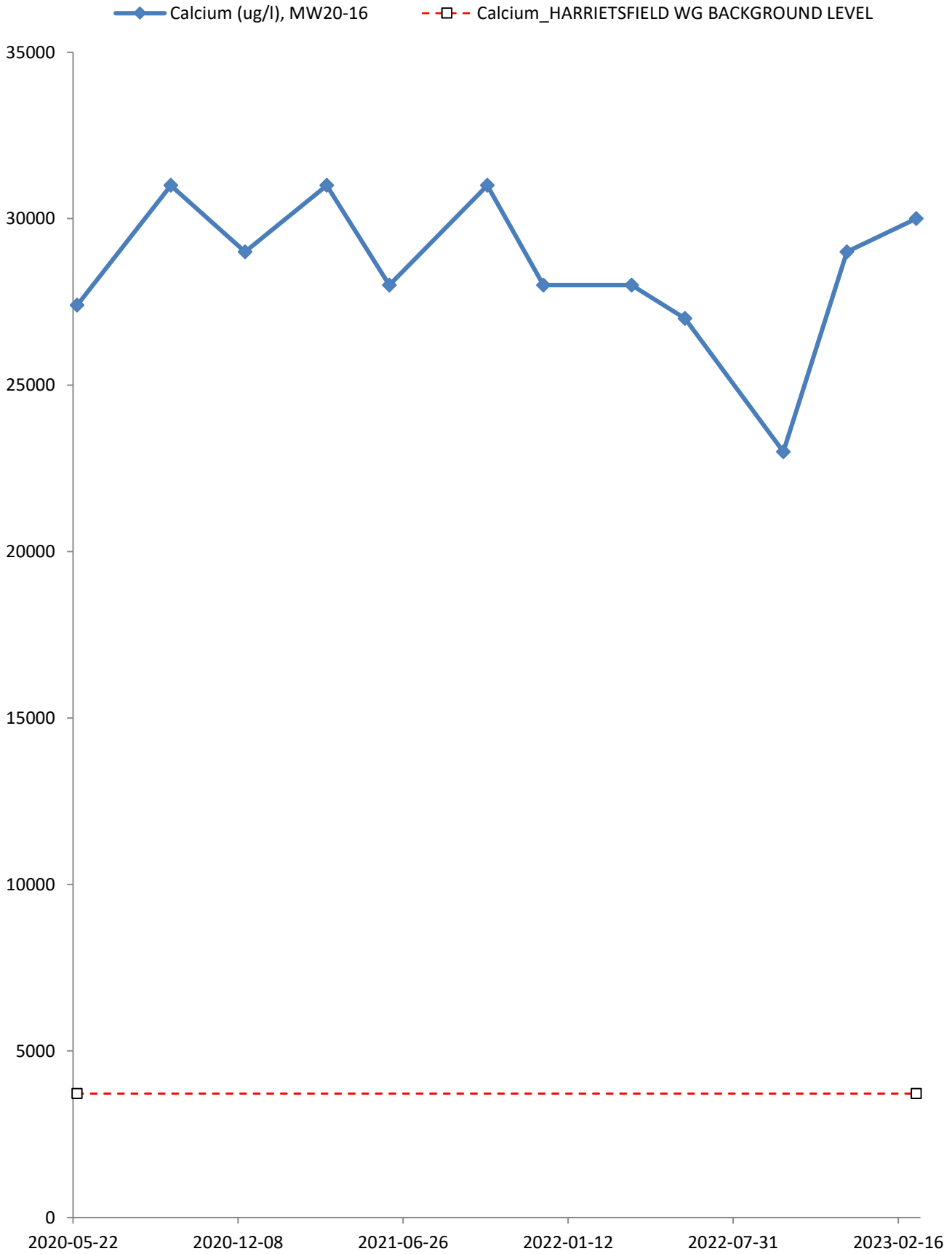




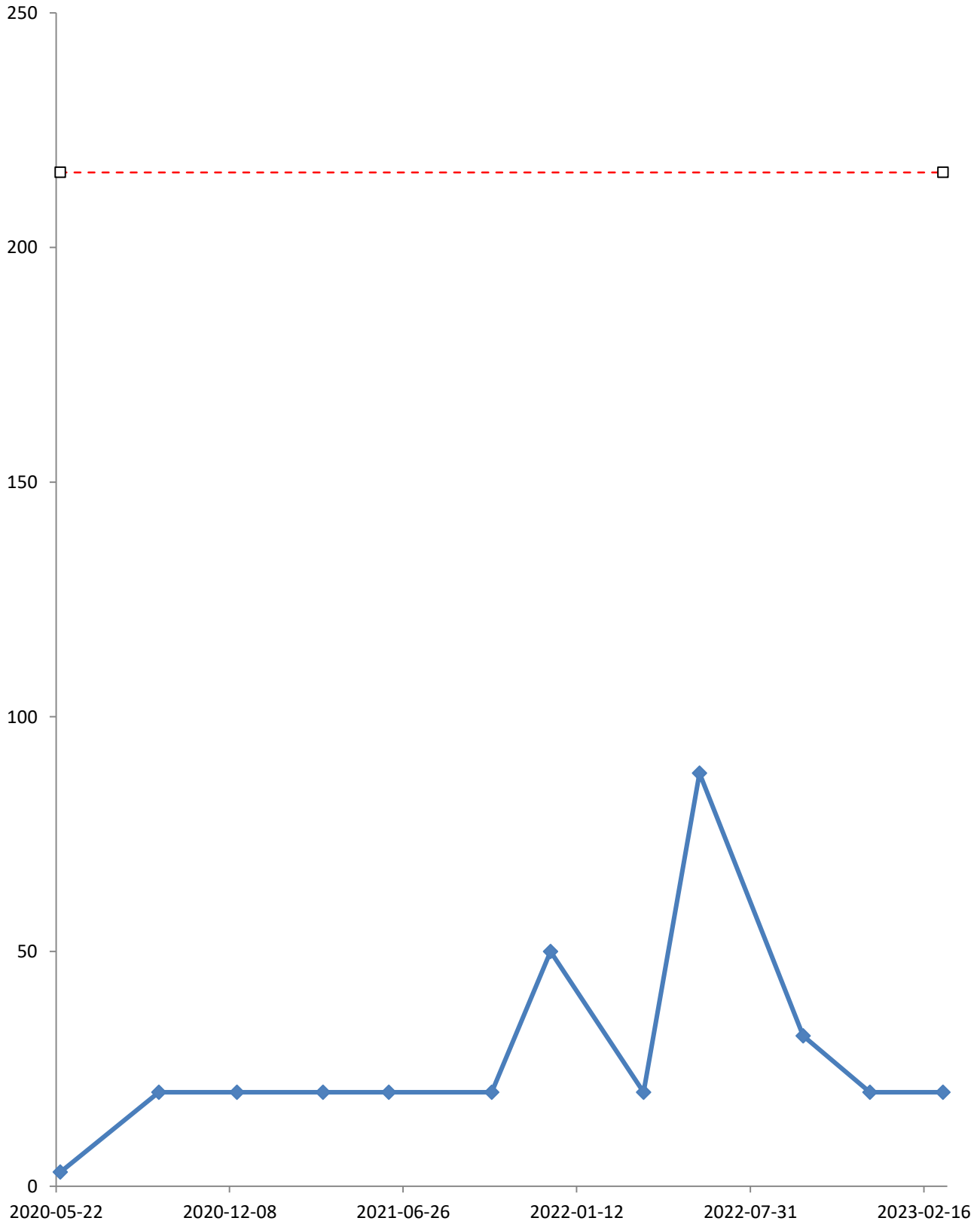


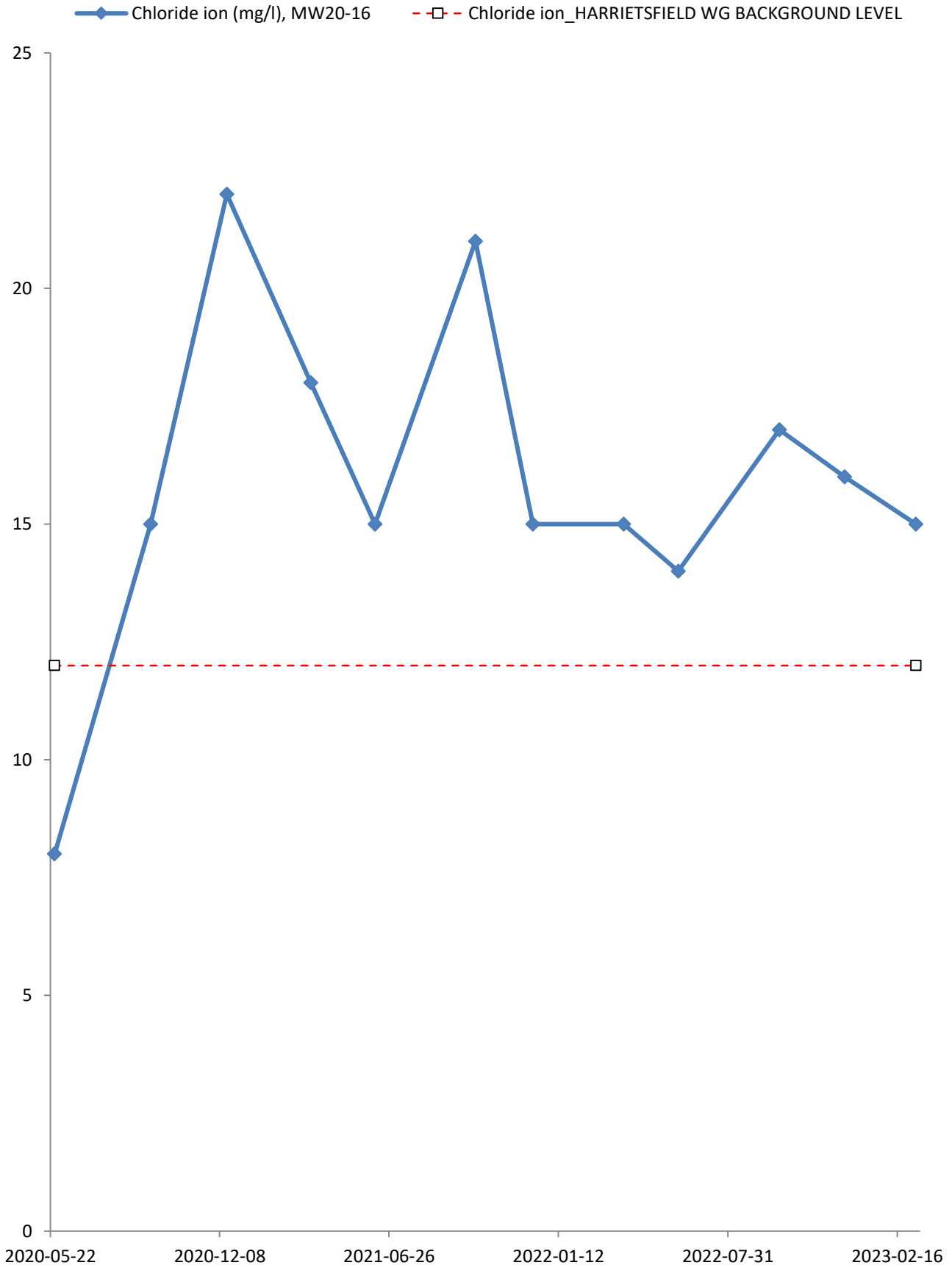


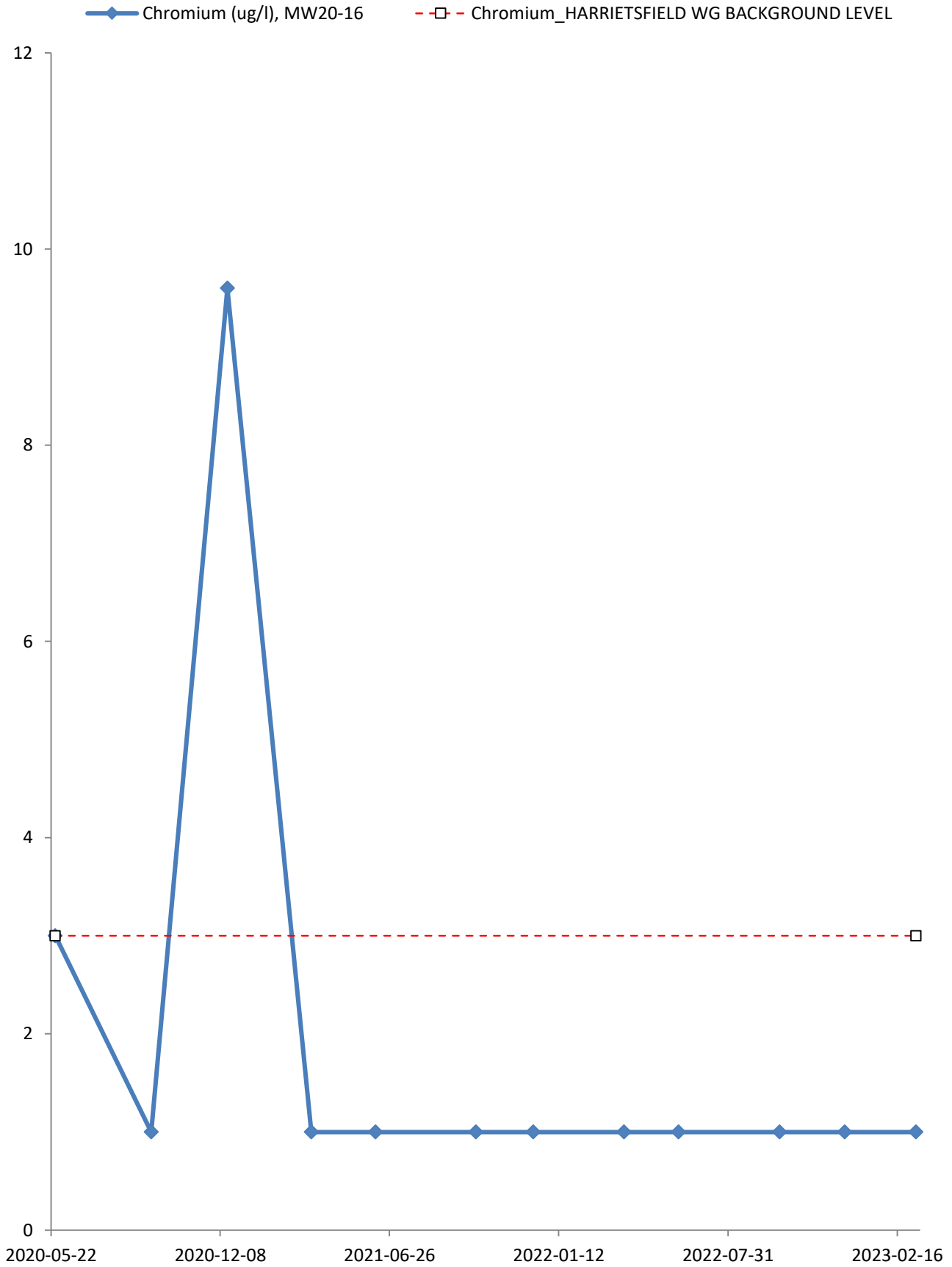


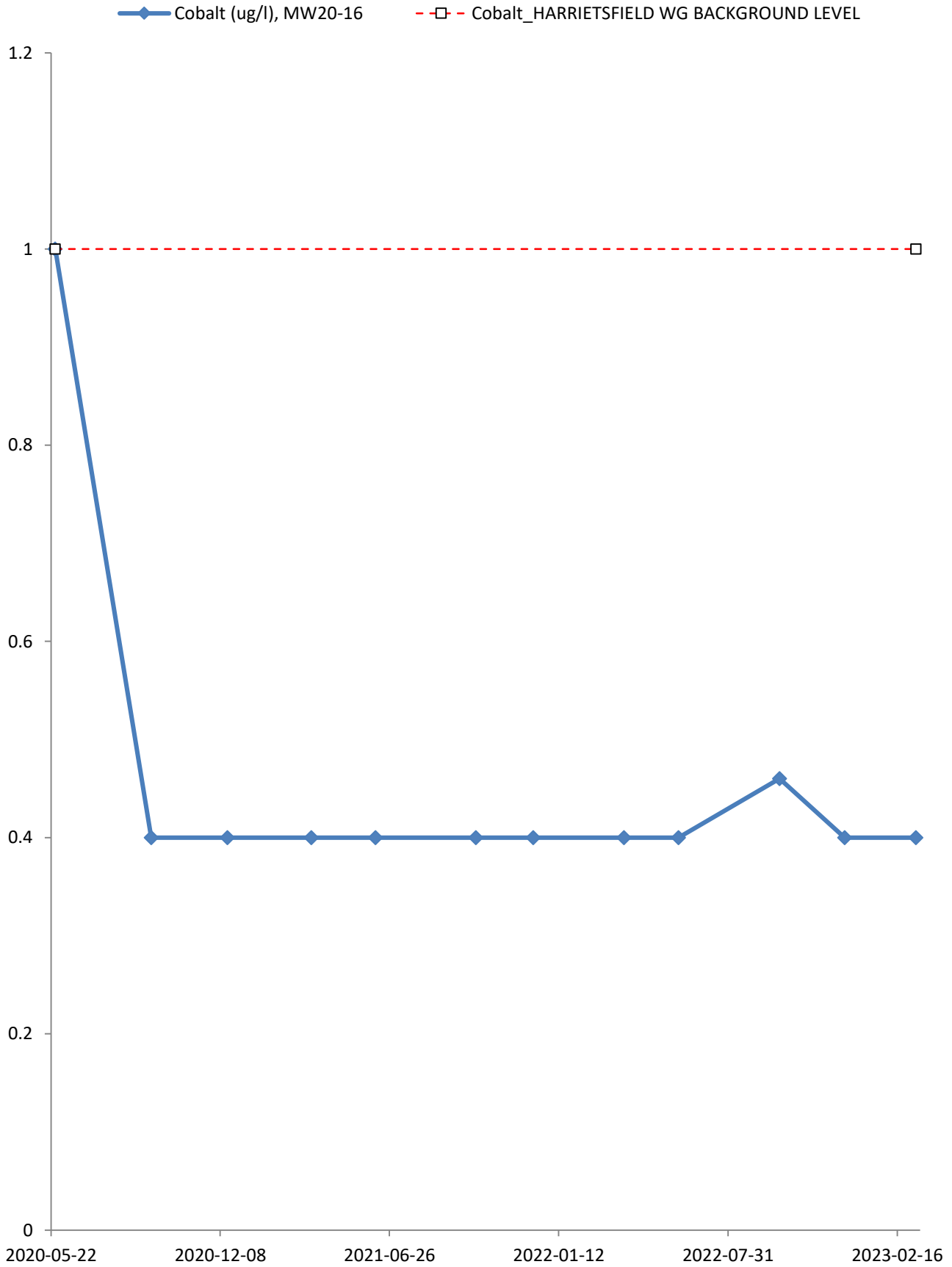


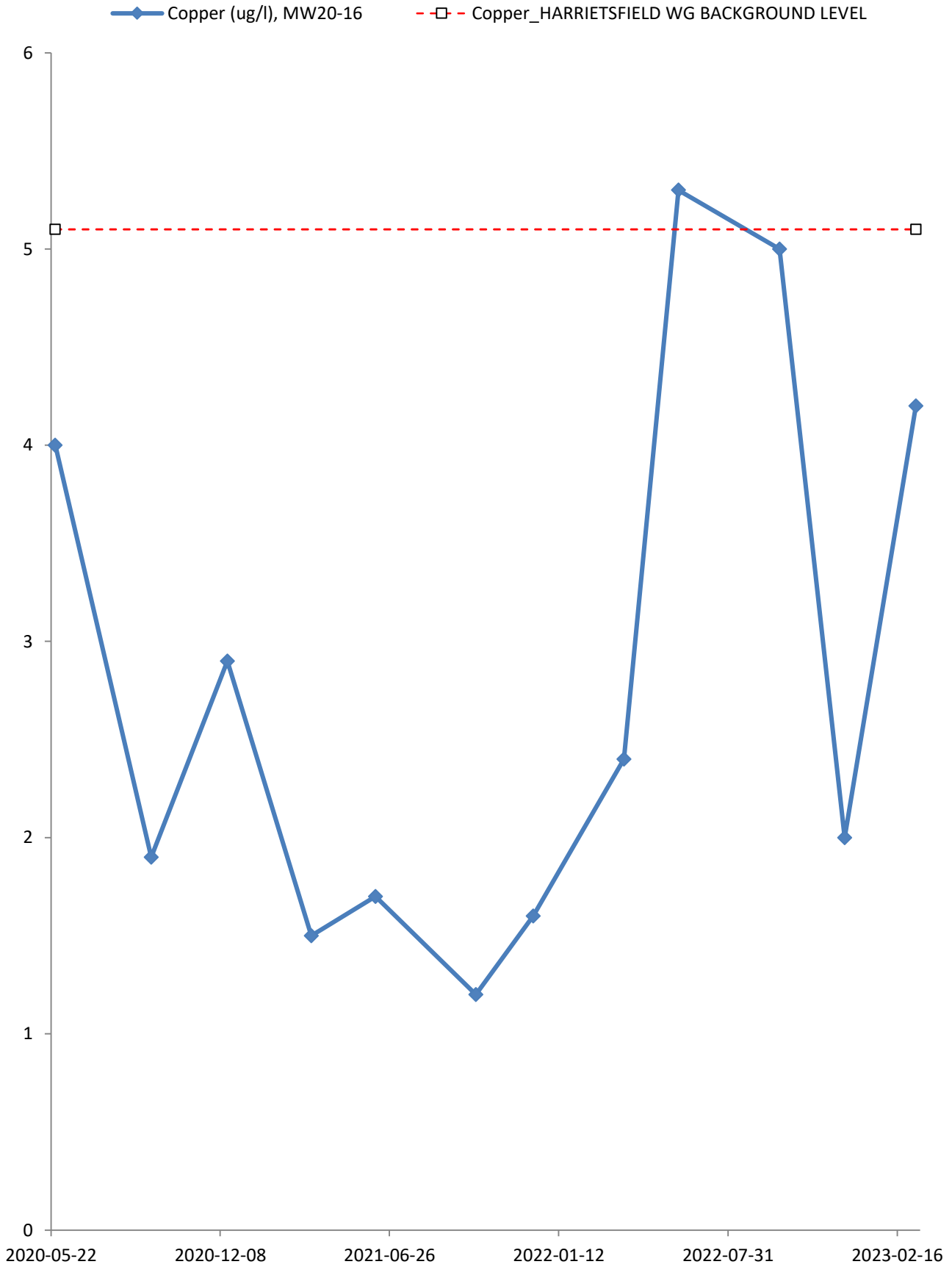
—◆— Chemical Oxygen Demand (mg/l), MW20-16
- - □ - - Chemical Oxygen Demand_HARRIETSFIELD WG BACKGROUND LEVEL



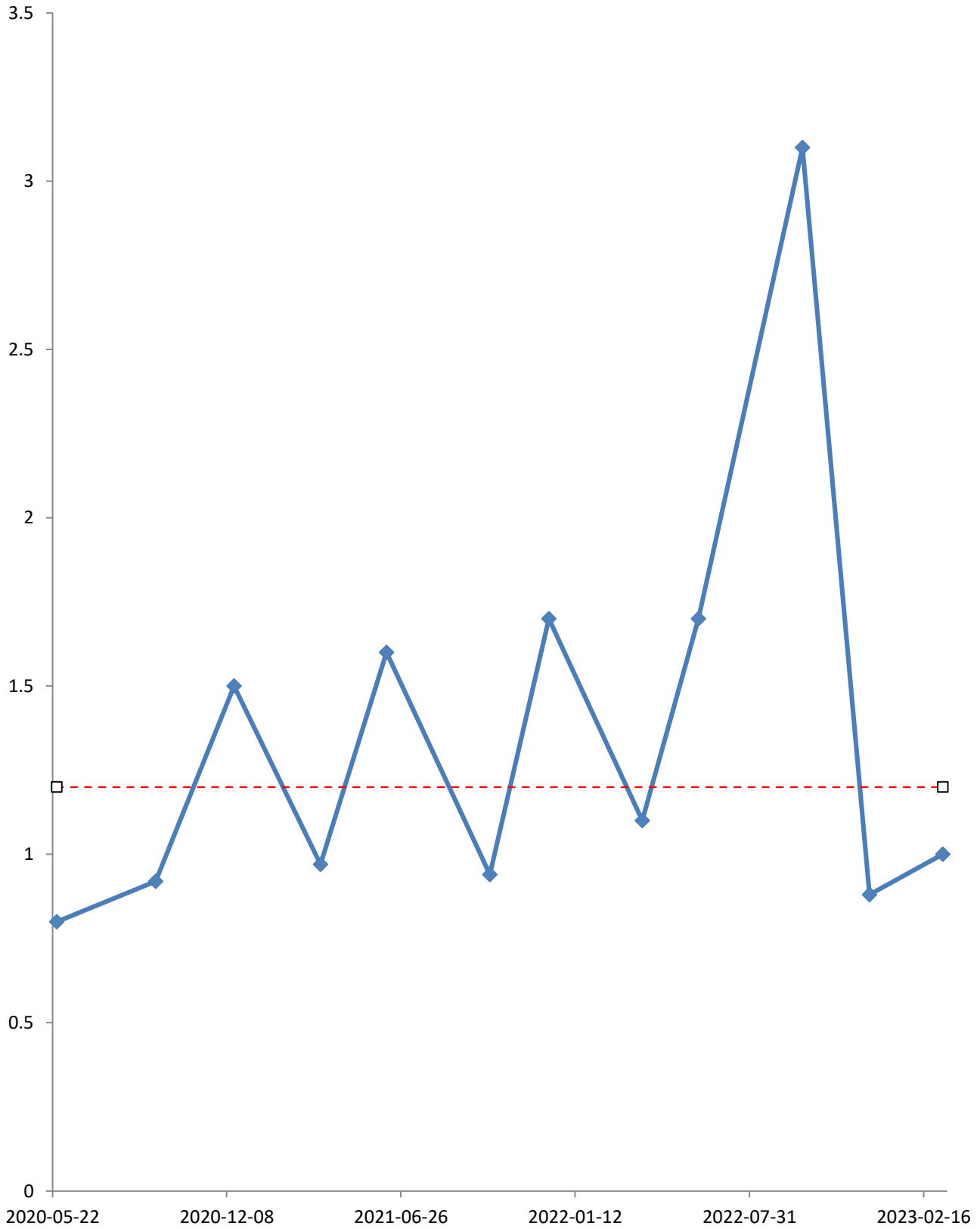




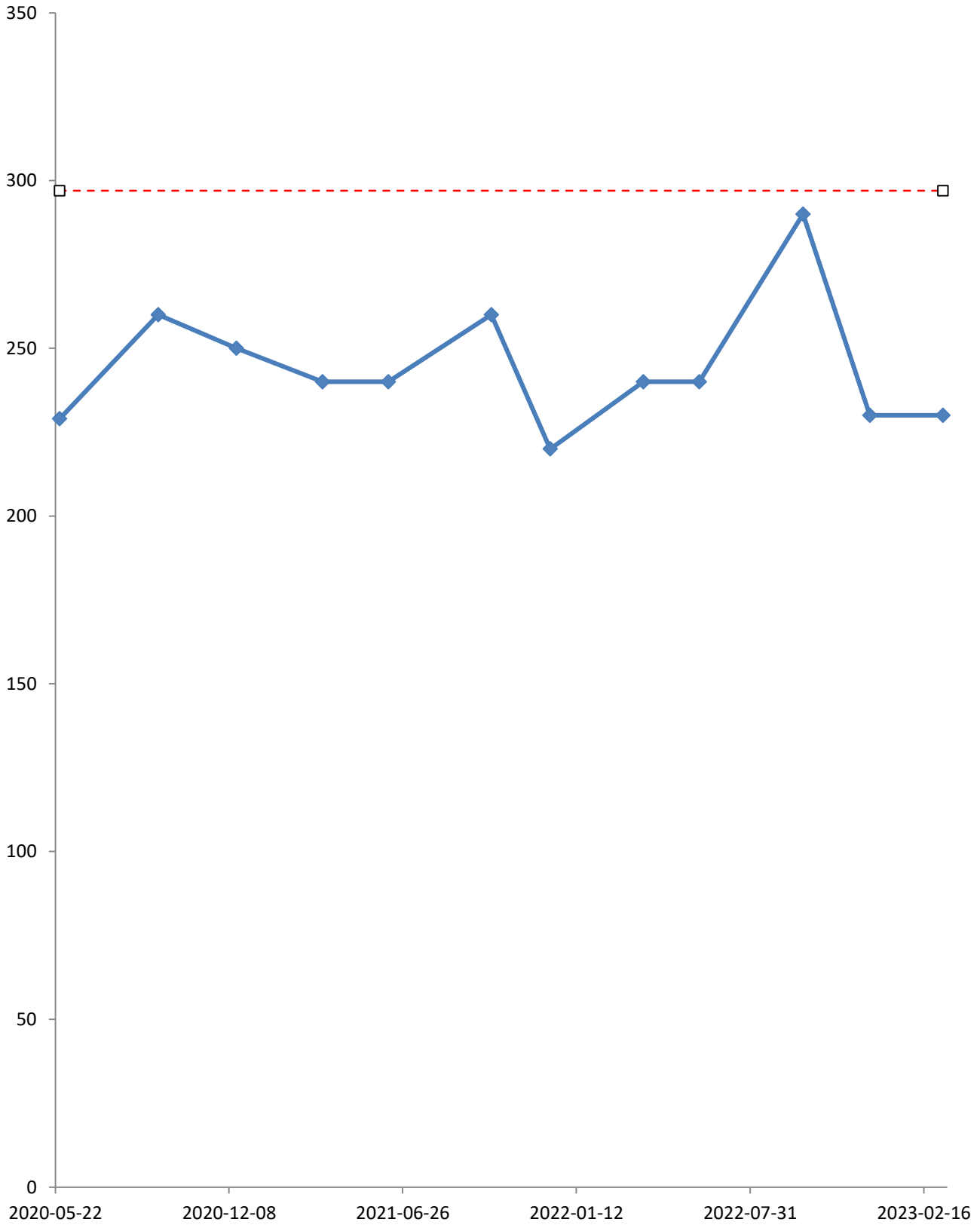


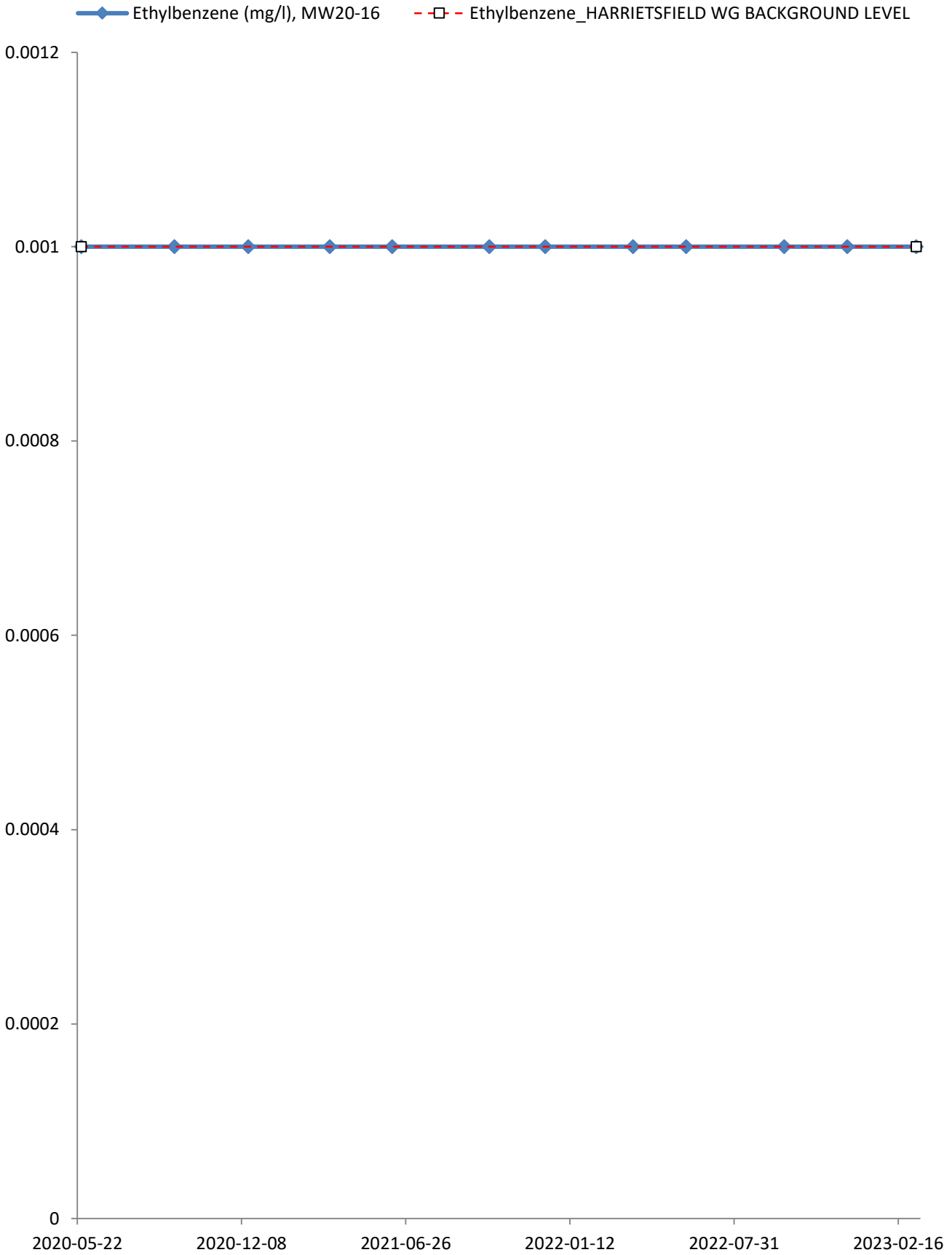


◆ Dissolved Organic Carbon (DOC) (mg/l), MW20-16
-□- Dissolved Organic Carbon (DOC)_HARRIETSFIELD WG BACKGROUND LEVEL

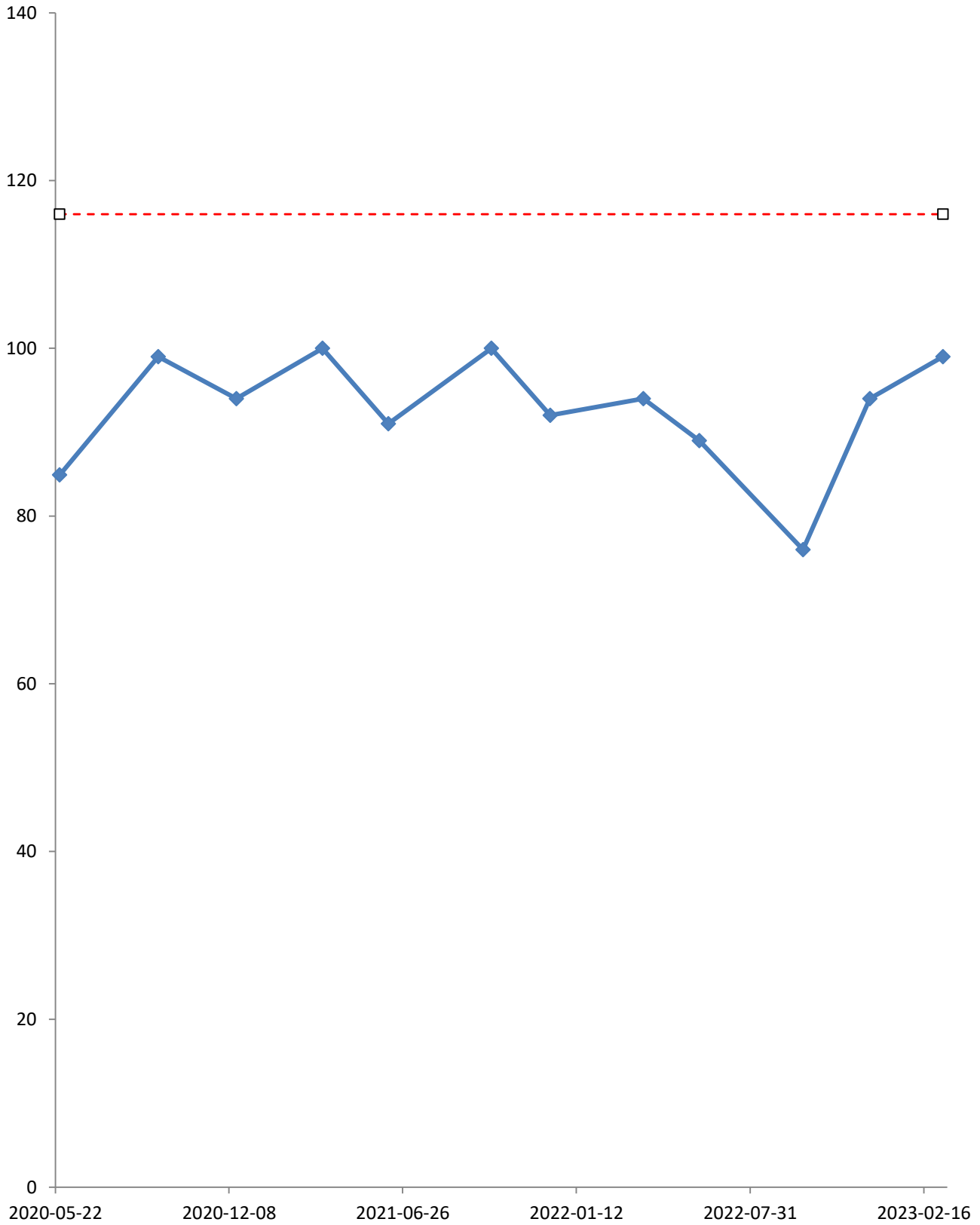


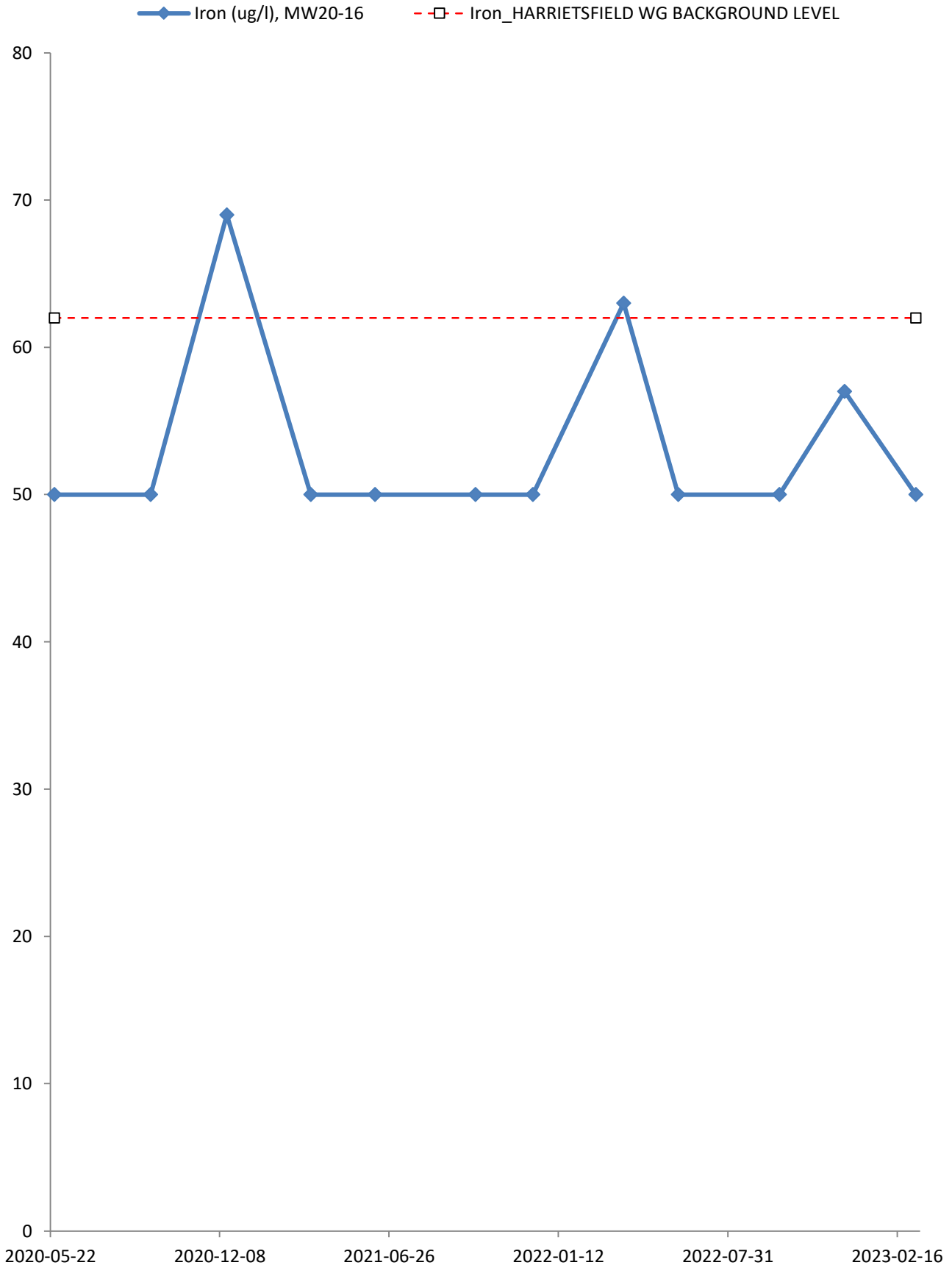
—◆— Electrical Conductivity (umhos/cm), MW20-16
- -□- - Electrical Conductivity_HARRIETSFIELD WG BACKGROUND LEVEL

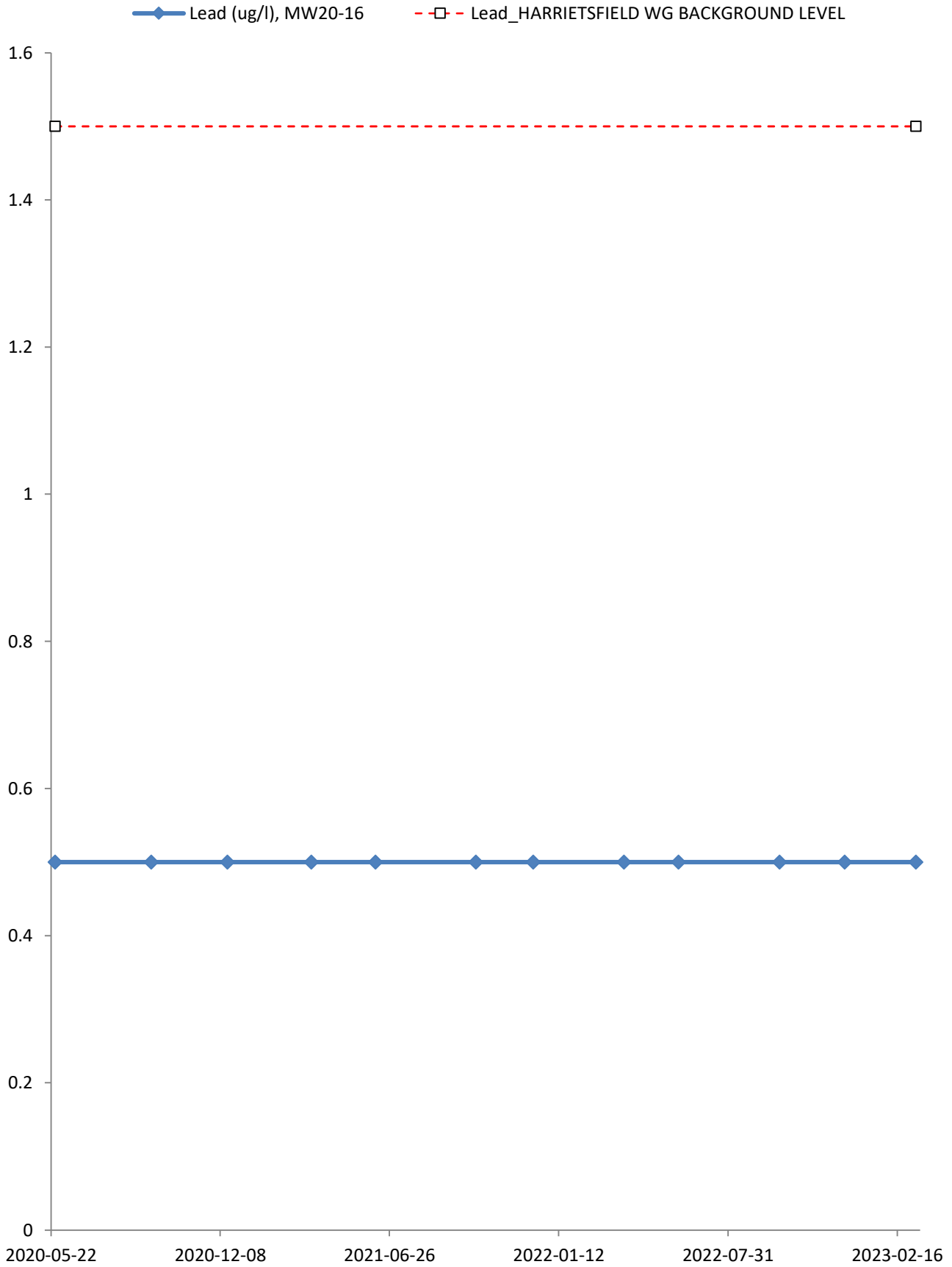


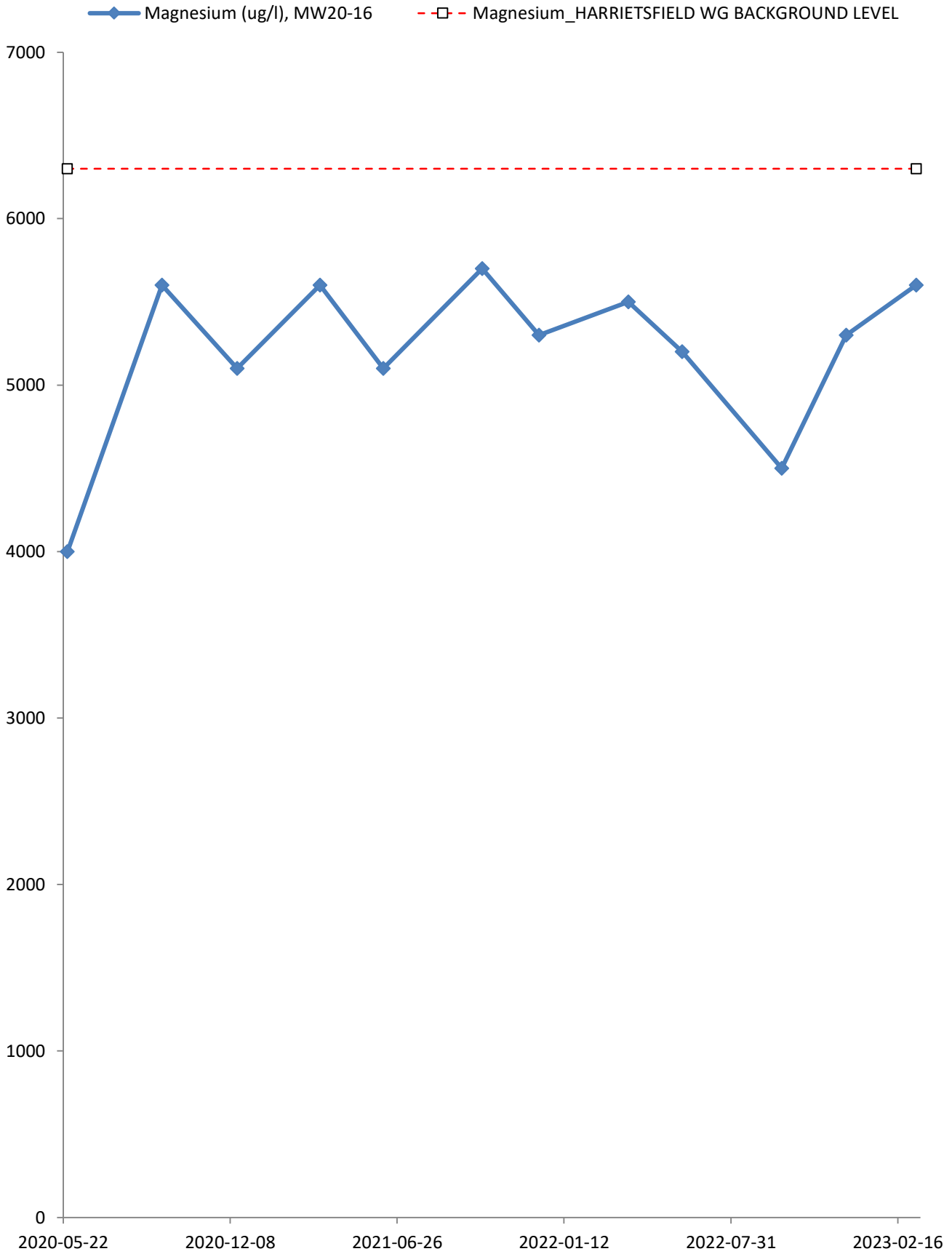


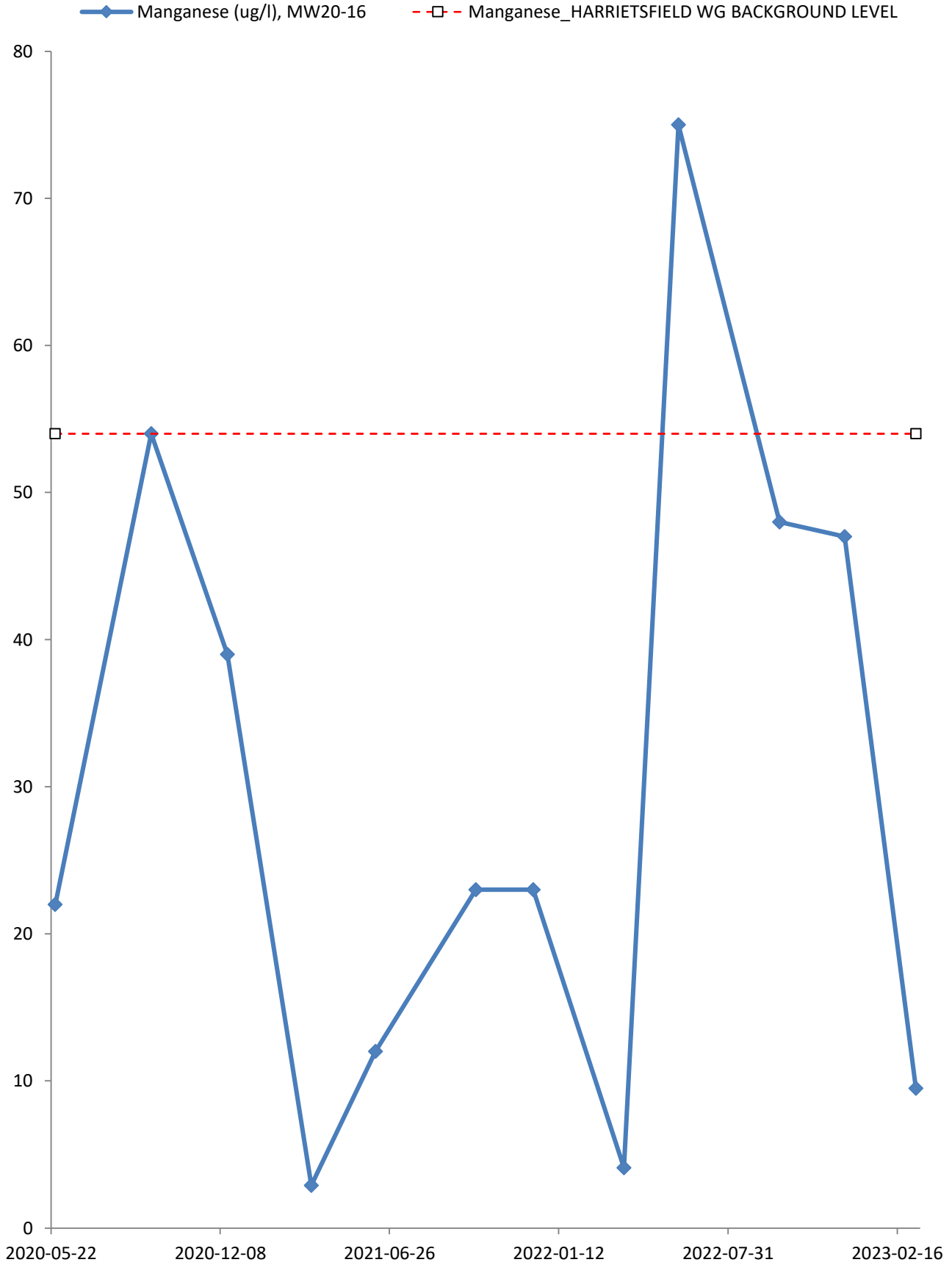
—◆— Hardness (as CaCO₃) (mg/l), MW20-16
- -□- - Hardness (as CaCO₃)_HARRIETSFIELD WG BACKGROUND LEVEL





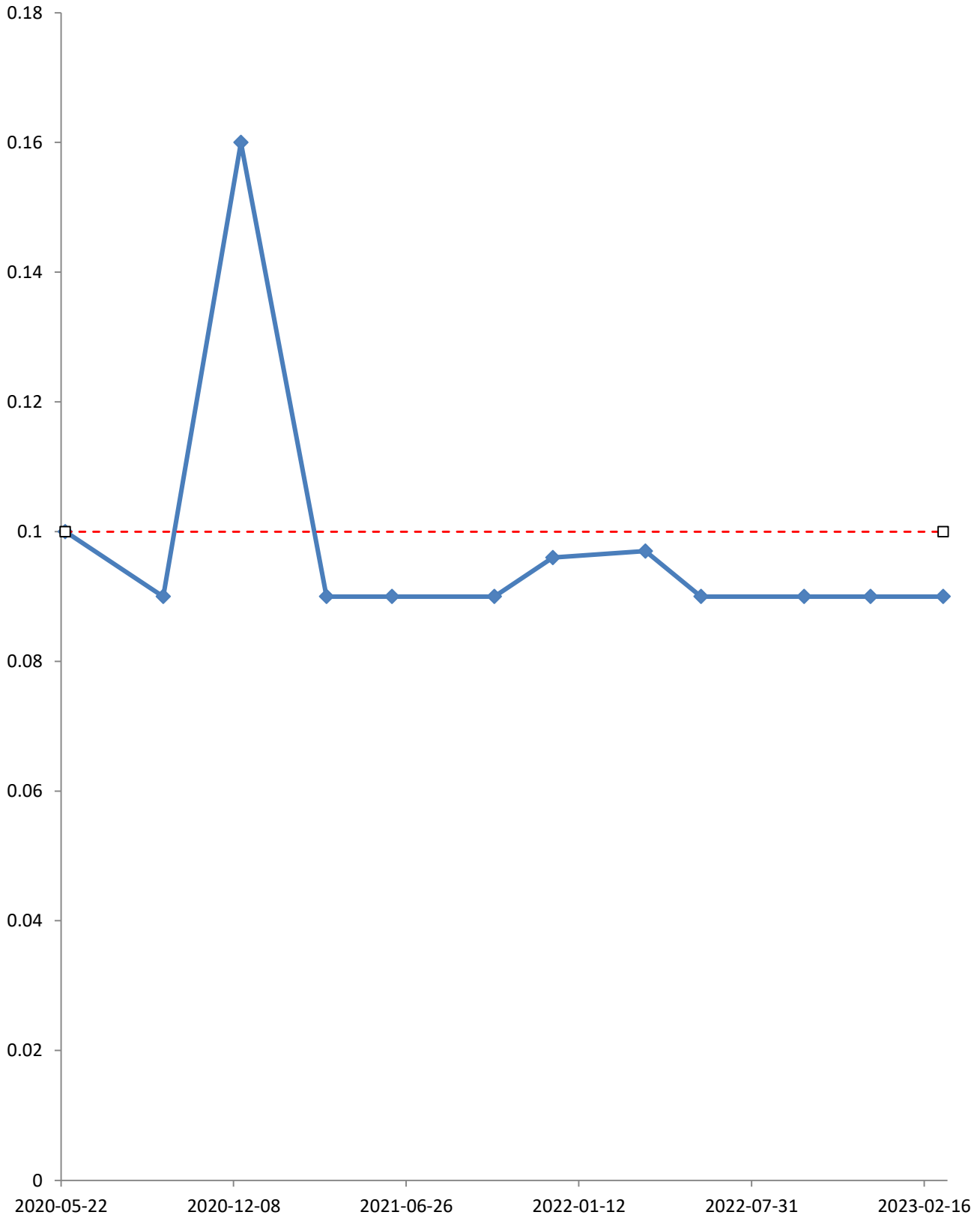


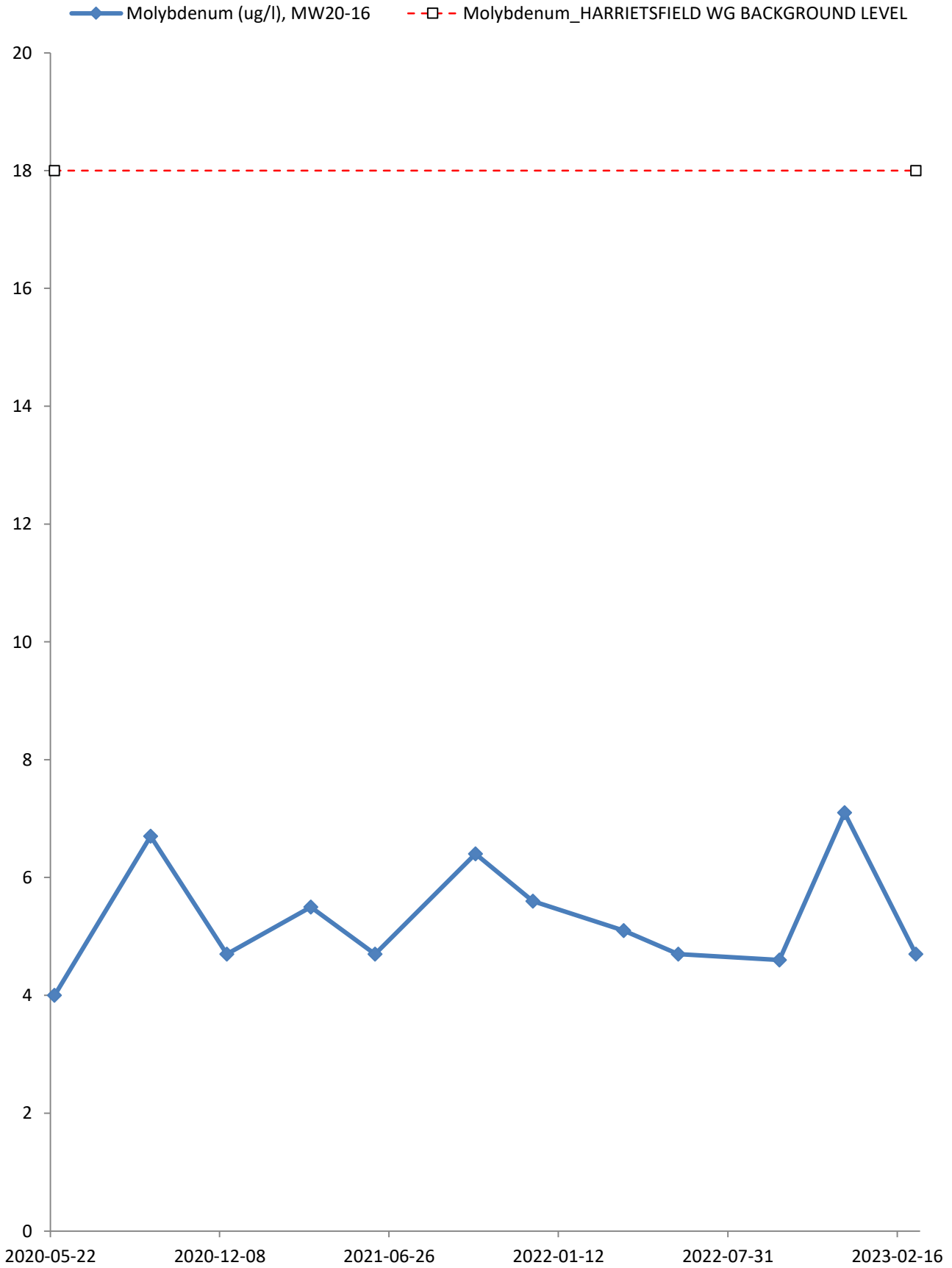


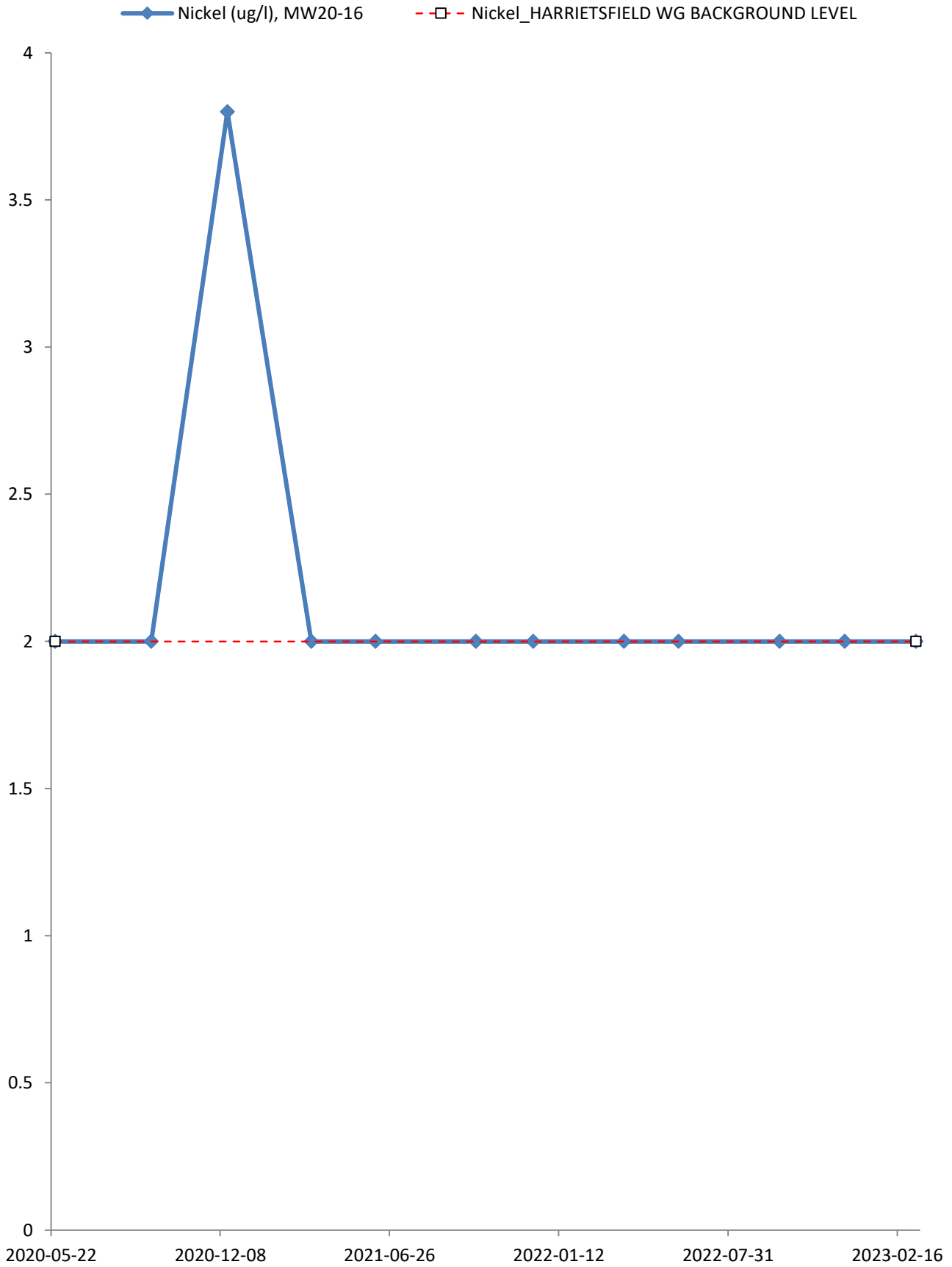


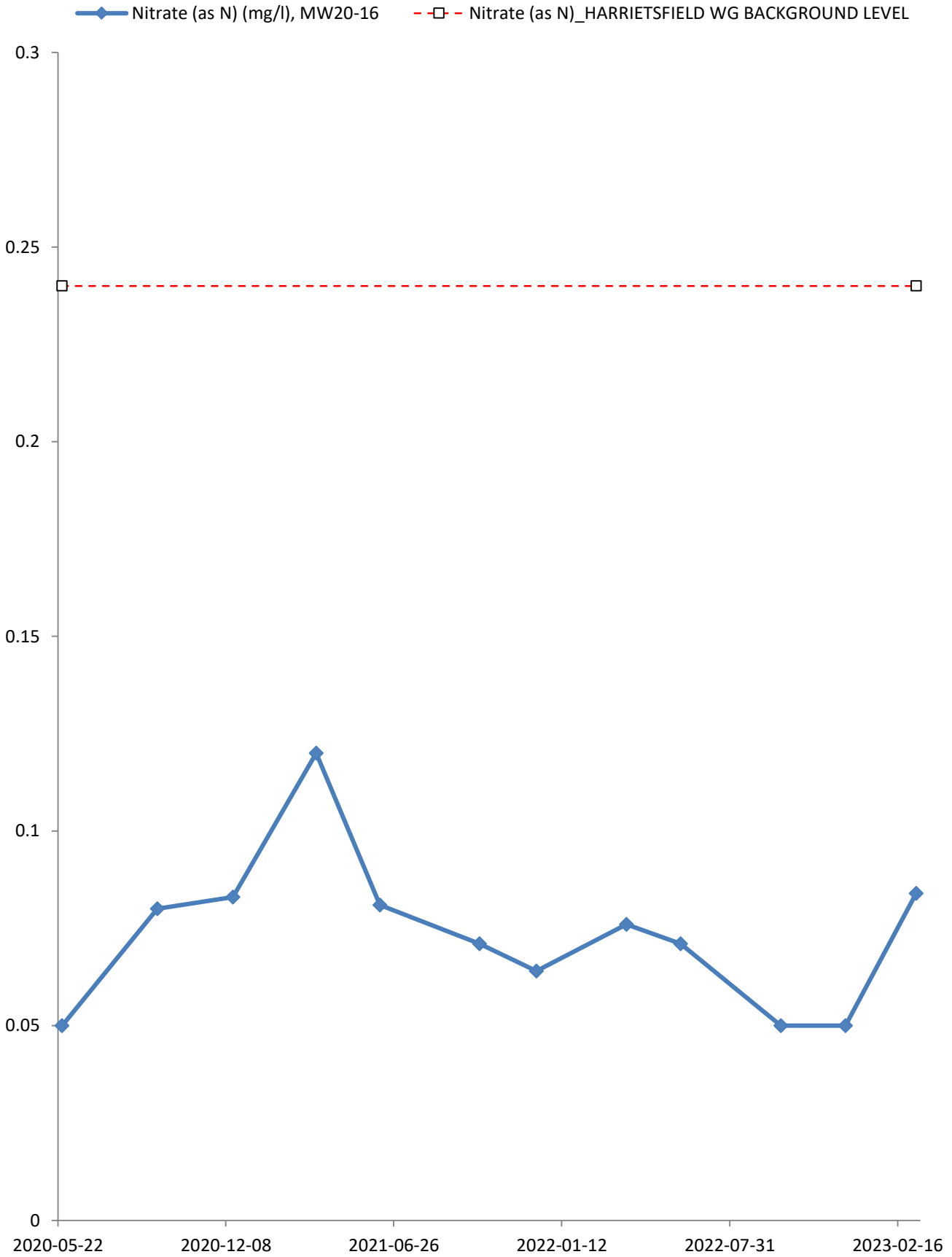


—◆— Modified TPH Tier 1 (mg/l), MW20-16
- -□- - Modified TPH Tier 1_HARRIETSFIELD WG BACKGROUND LEVEL

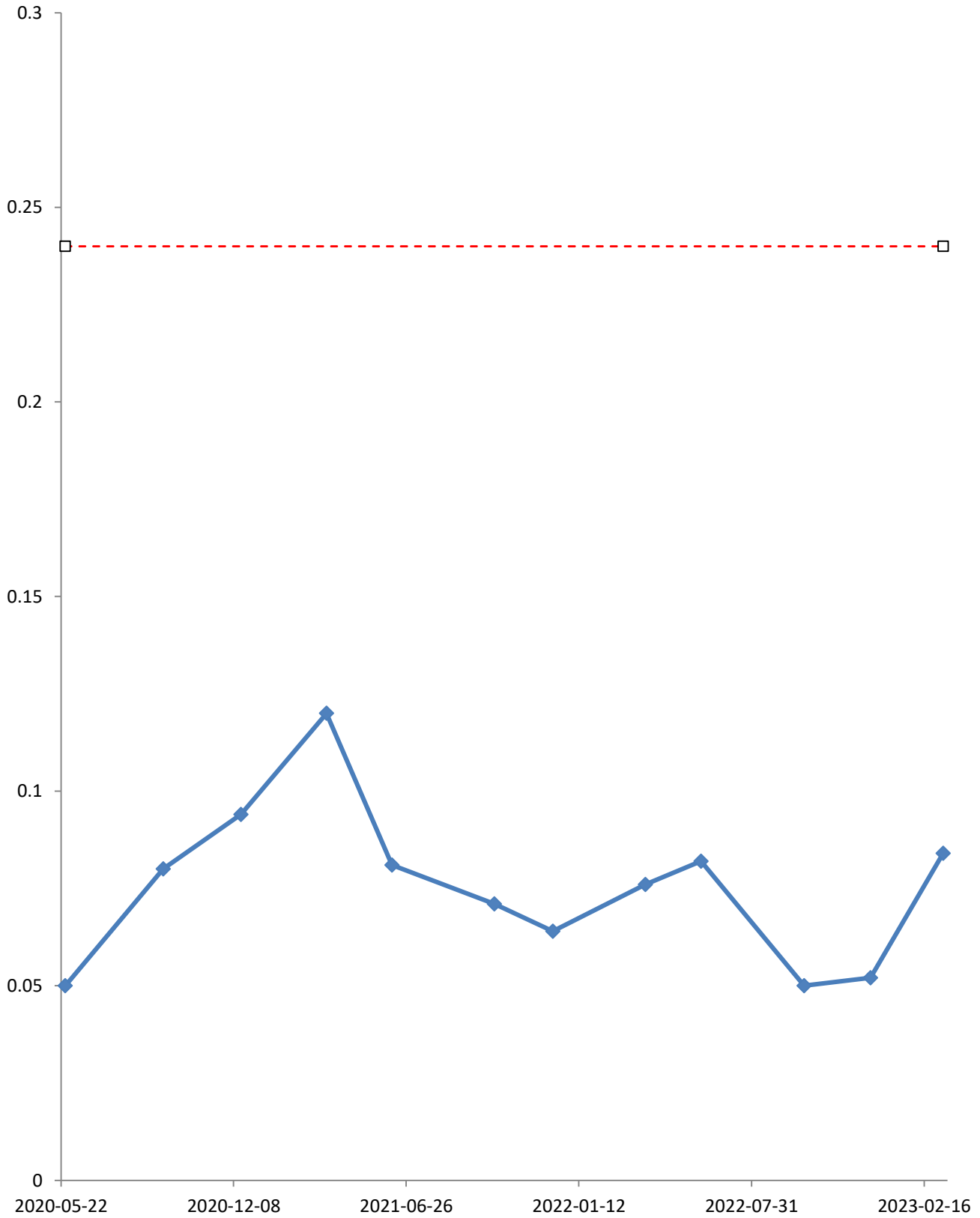


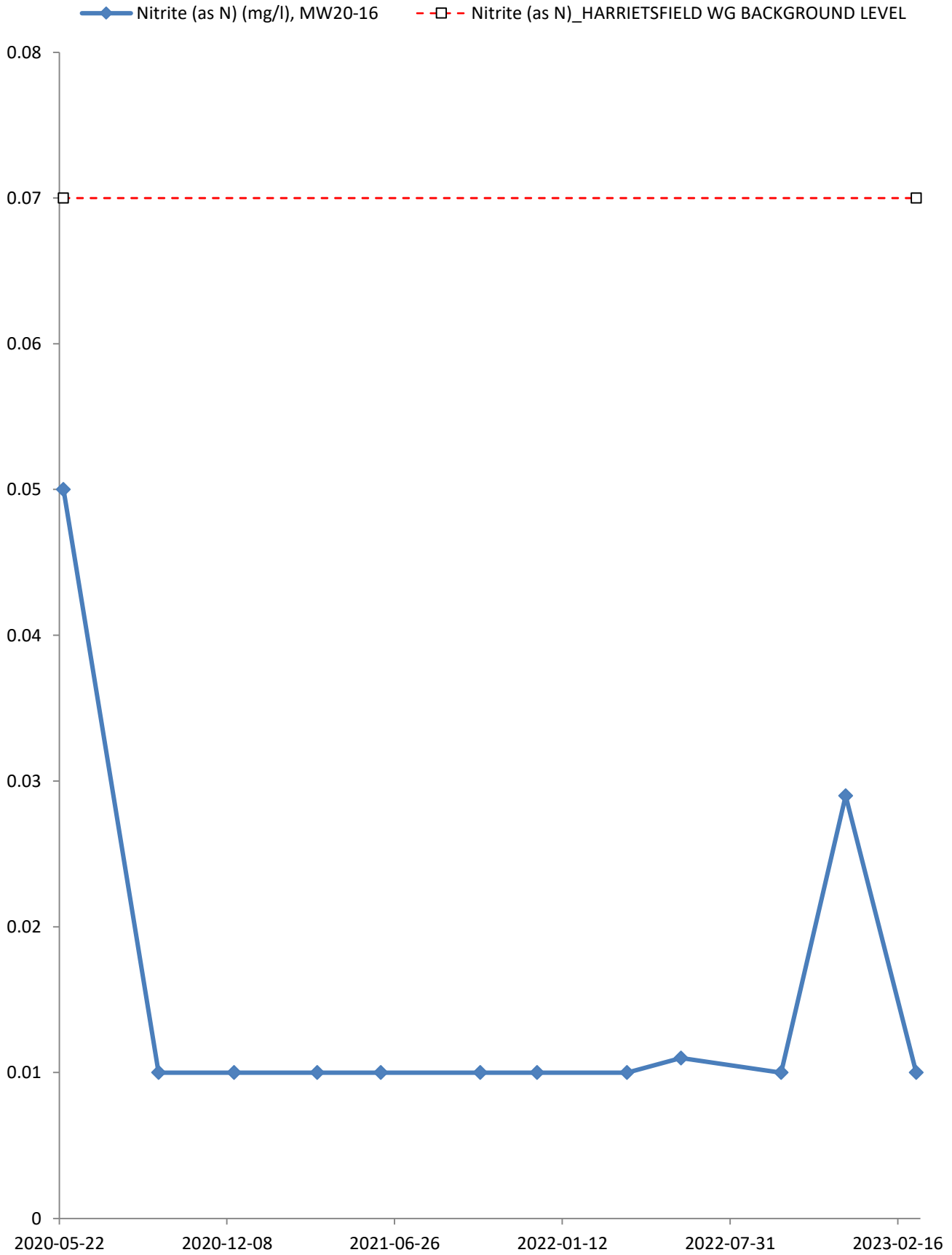


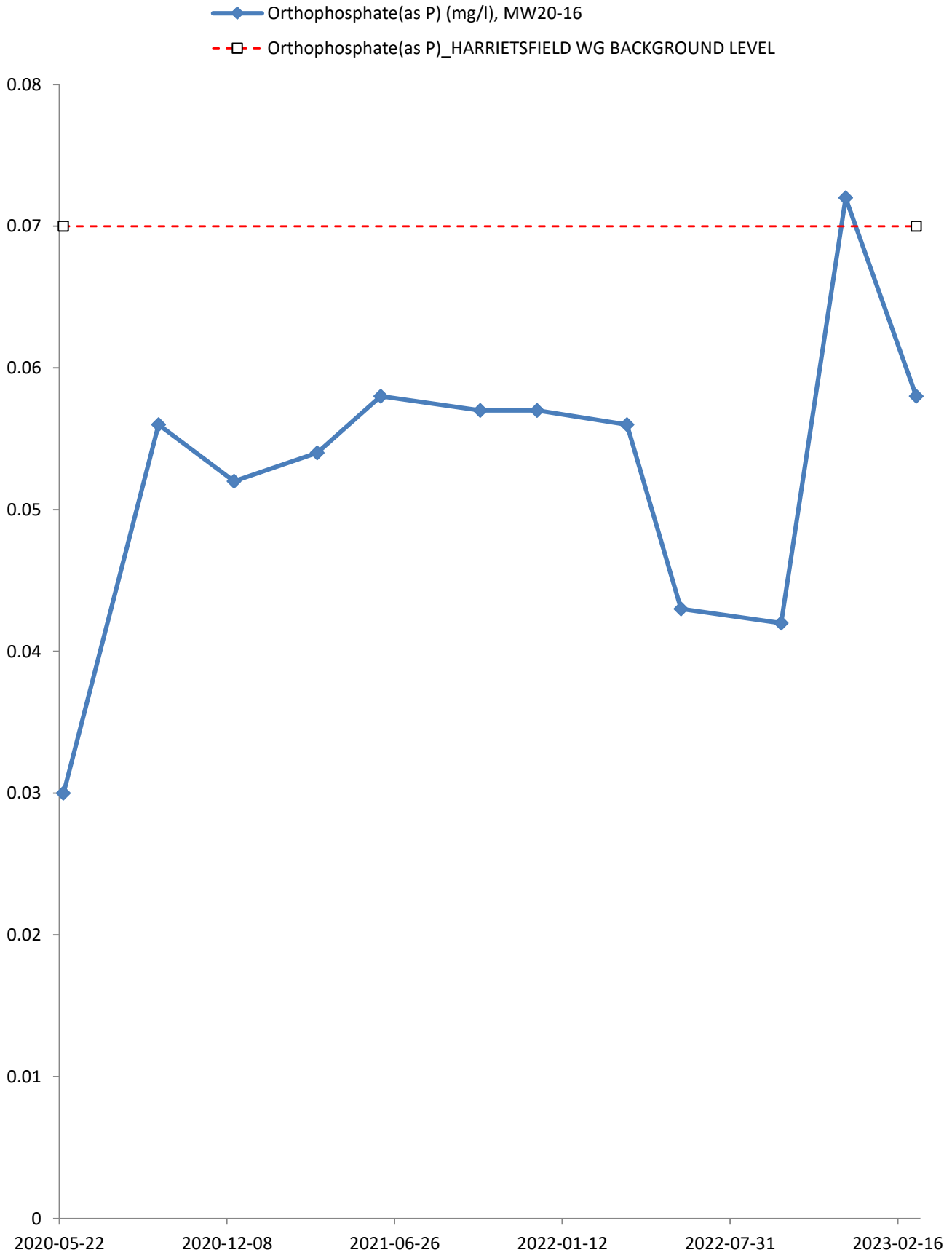


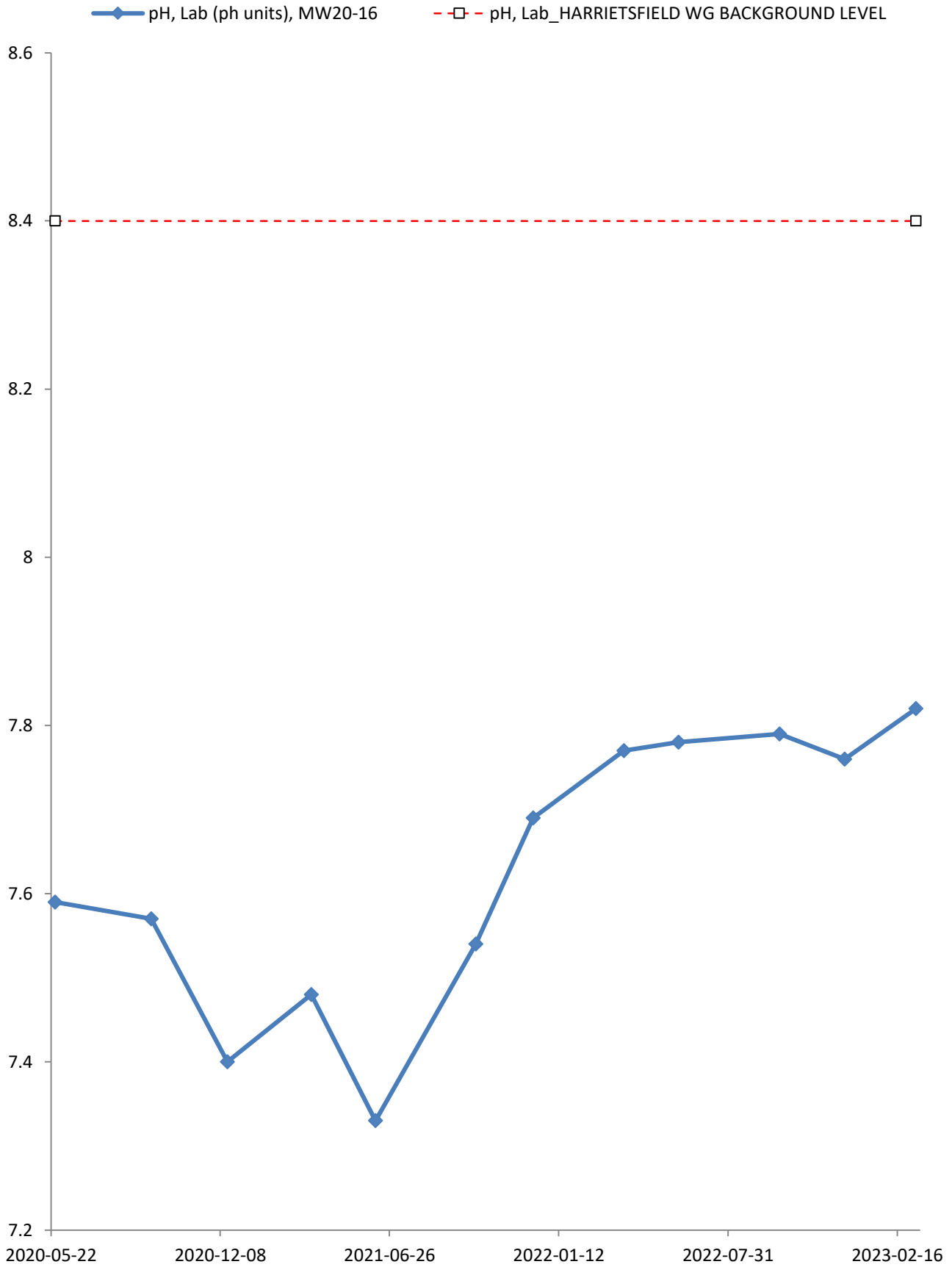


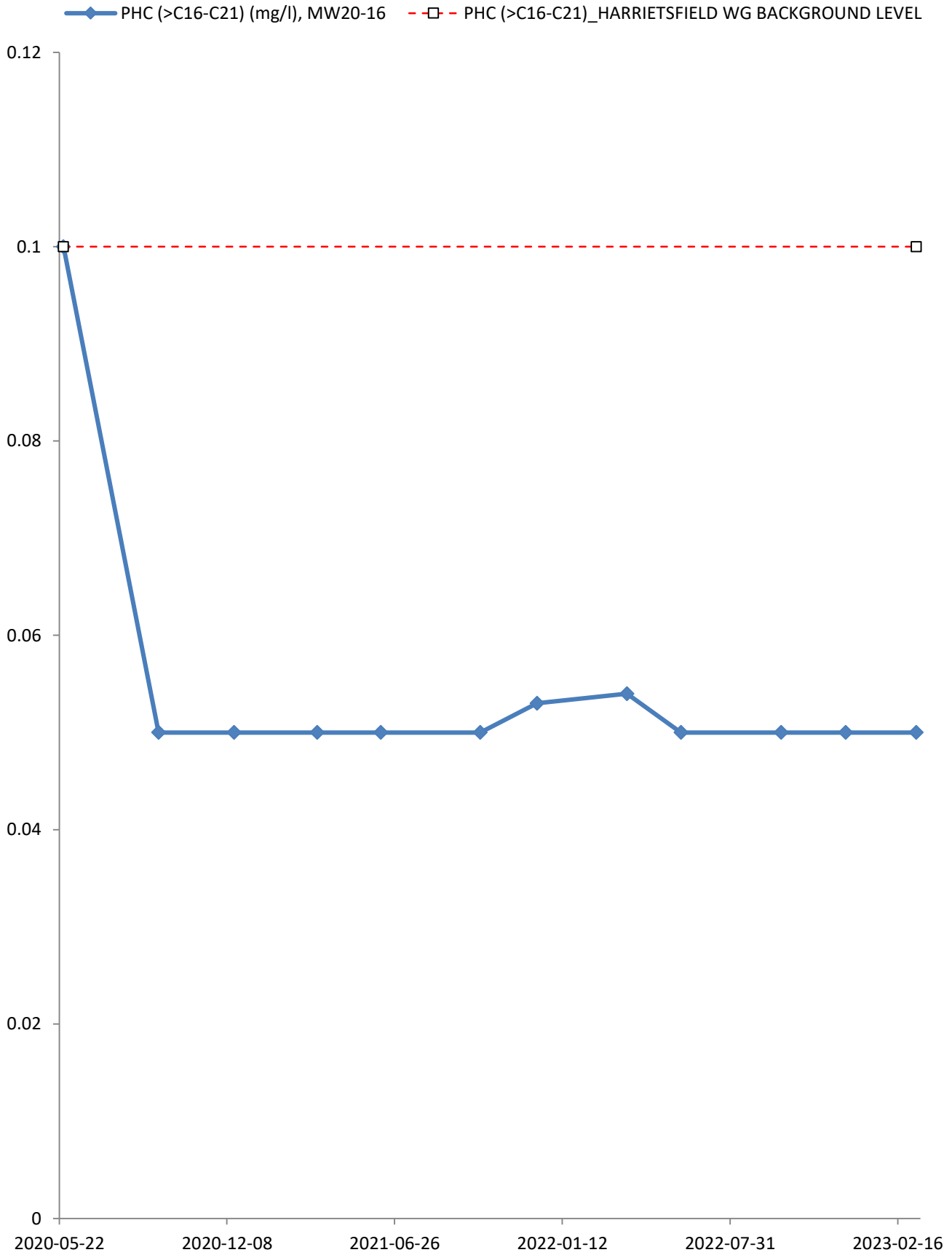
—◆— Nitrate plus Nitrite (N) (mg/l), MW20-16
- -□- - Nitrate plus Nitrite (N)_HARRIETSFIELD WG BACKGROUND LEVEL

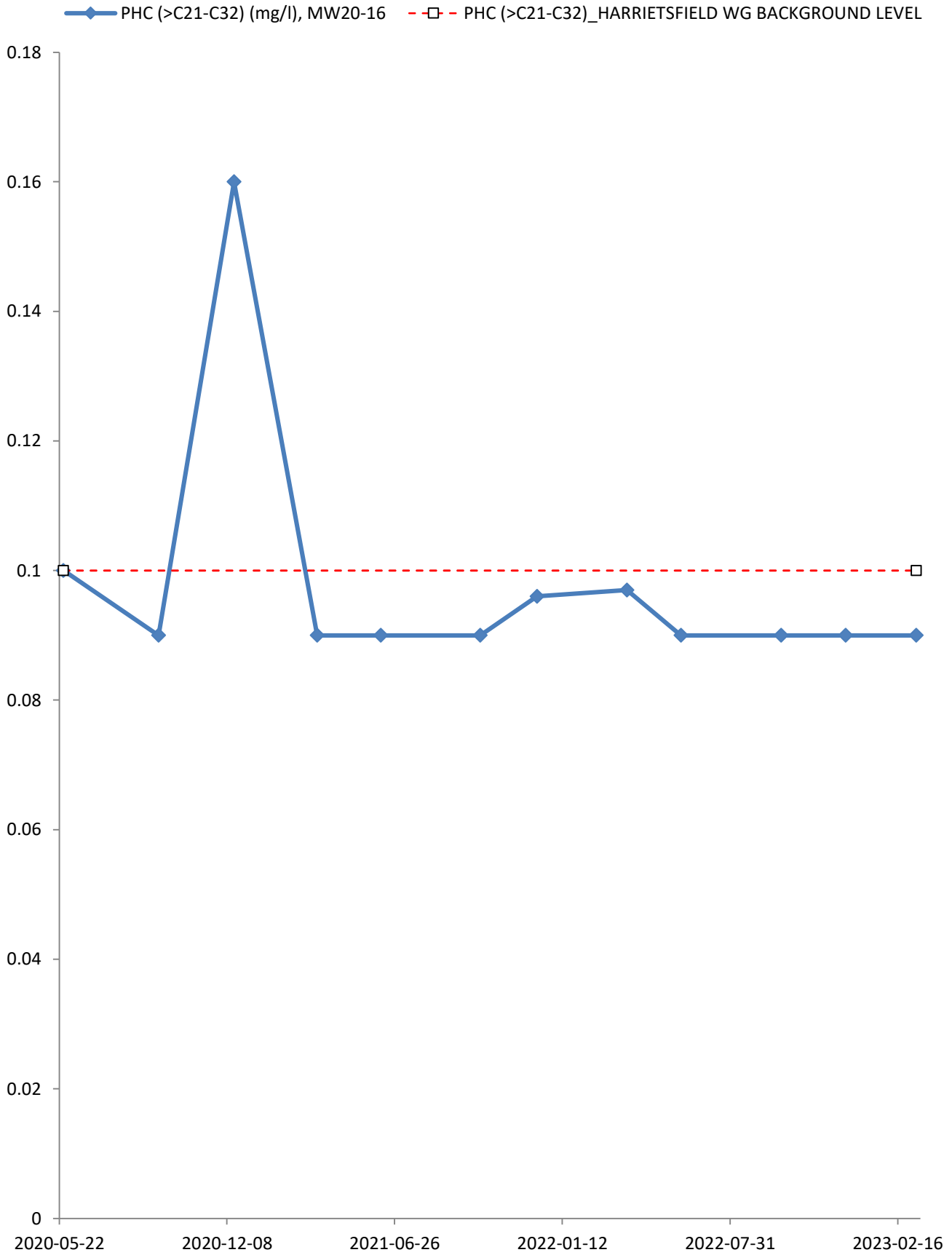


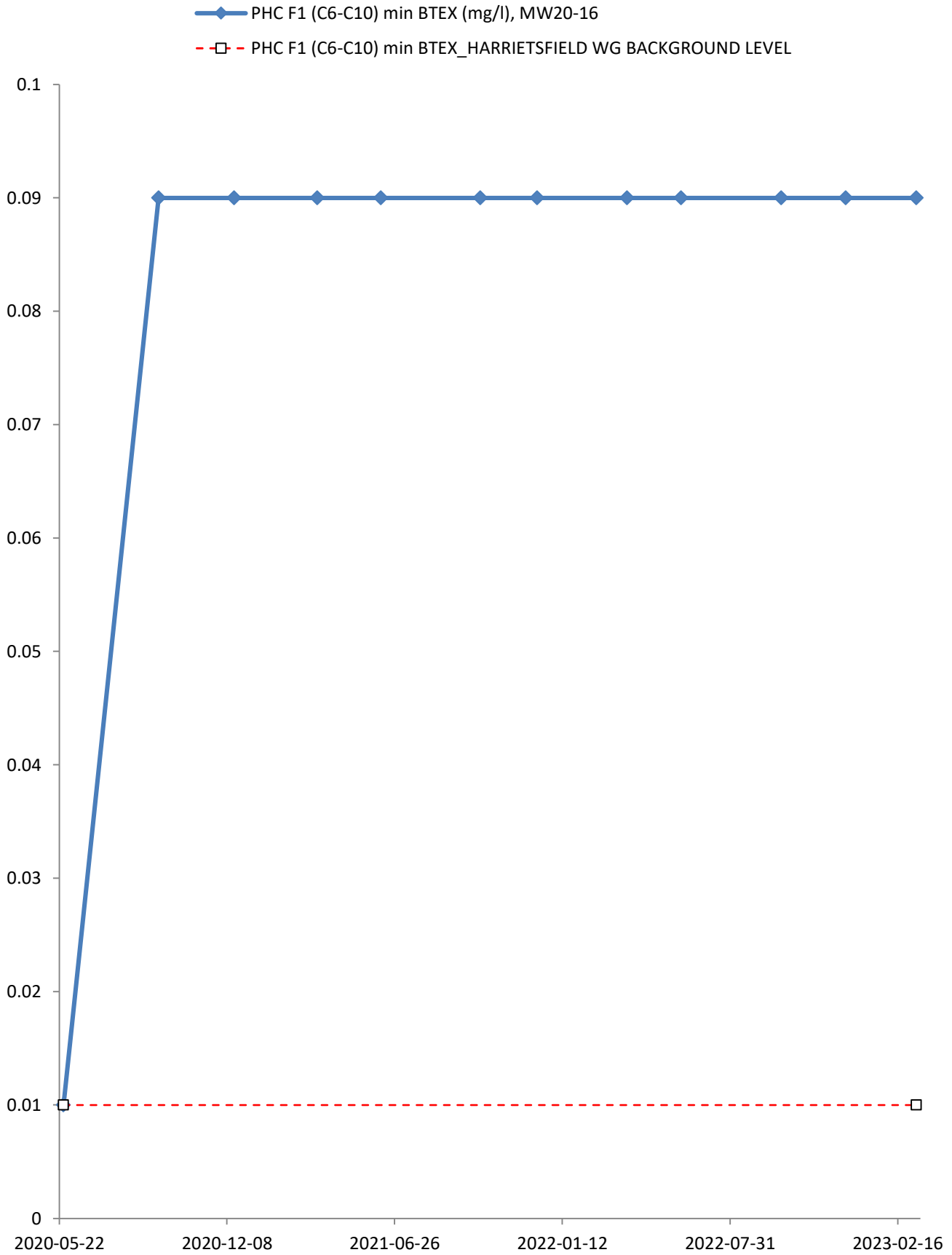


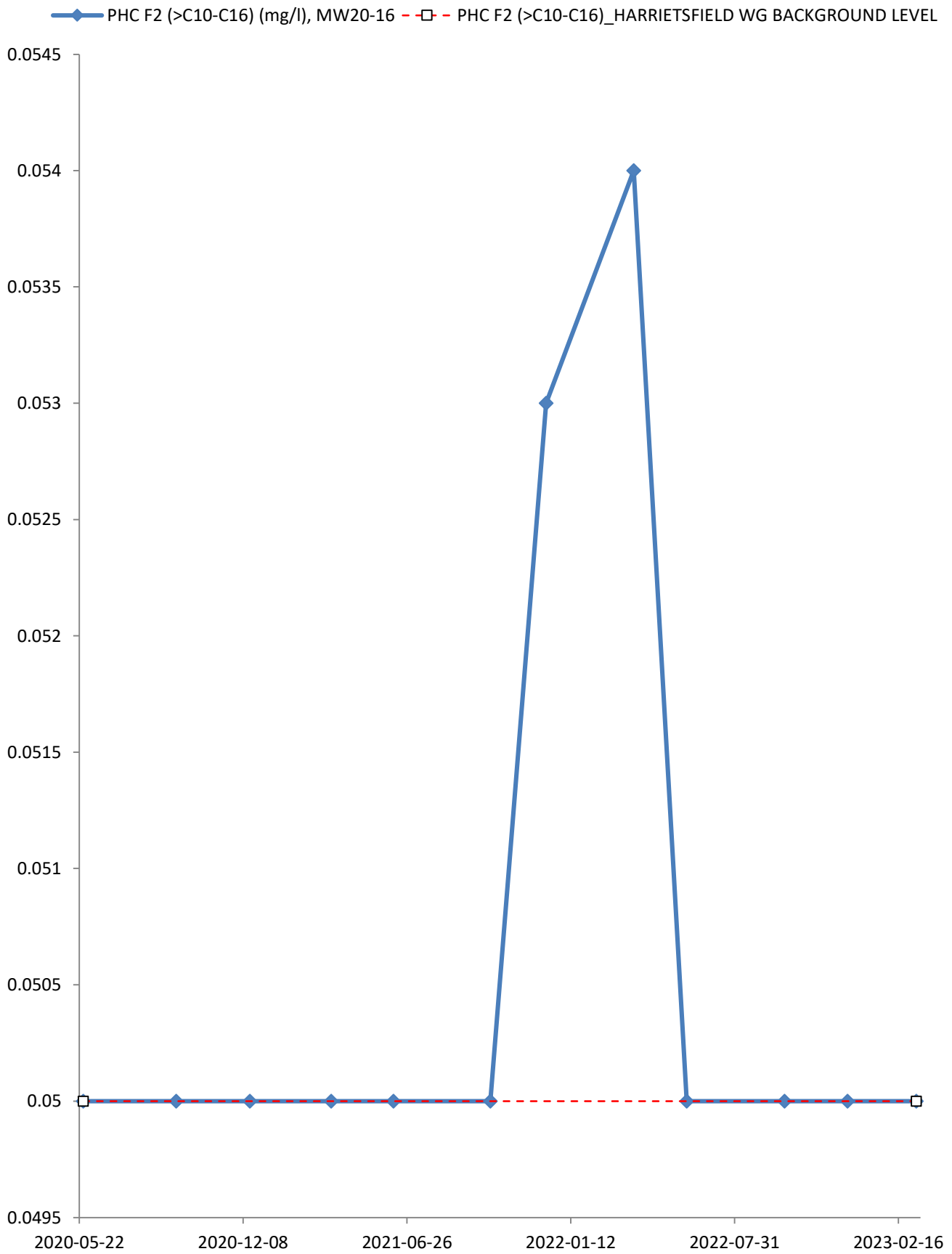


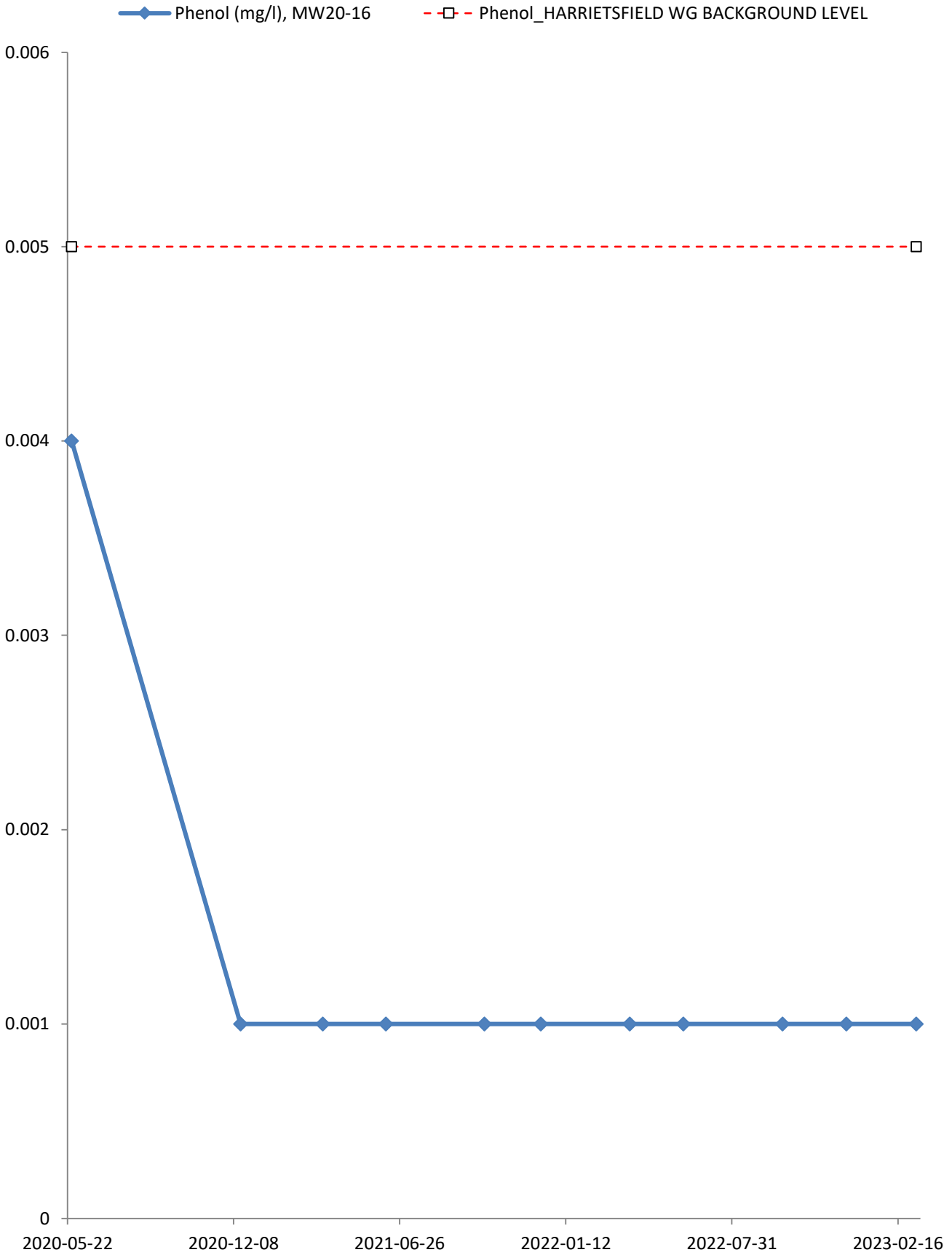


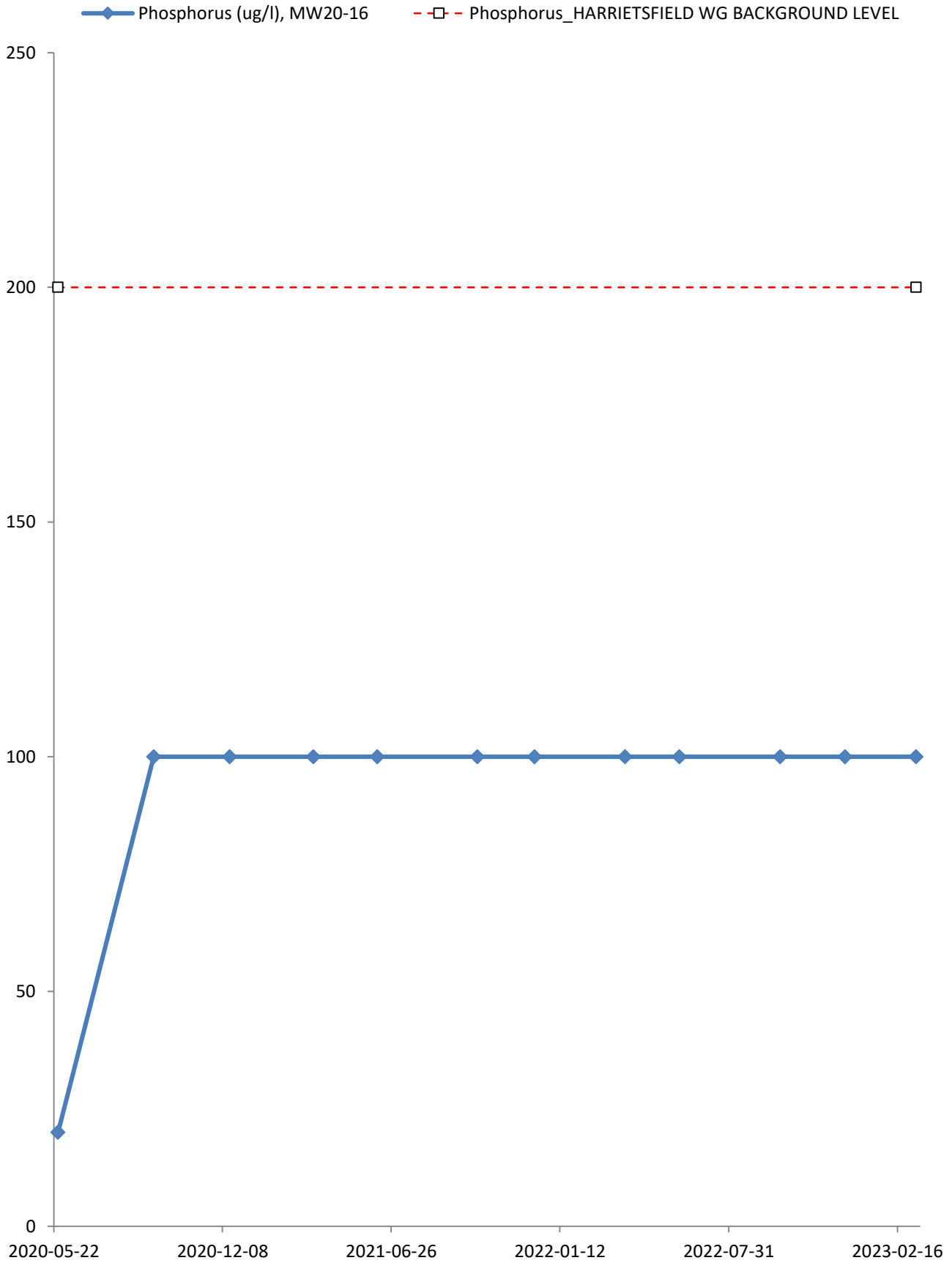


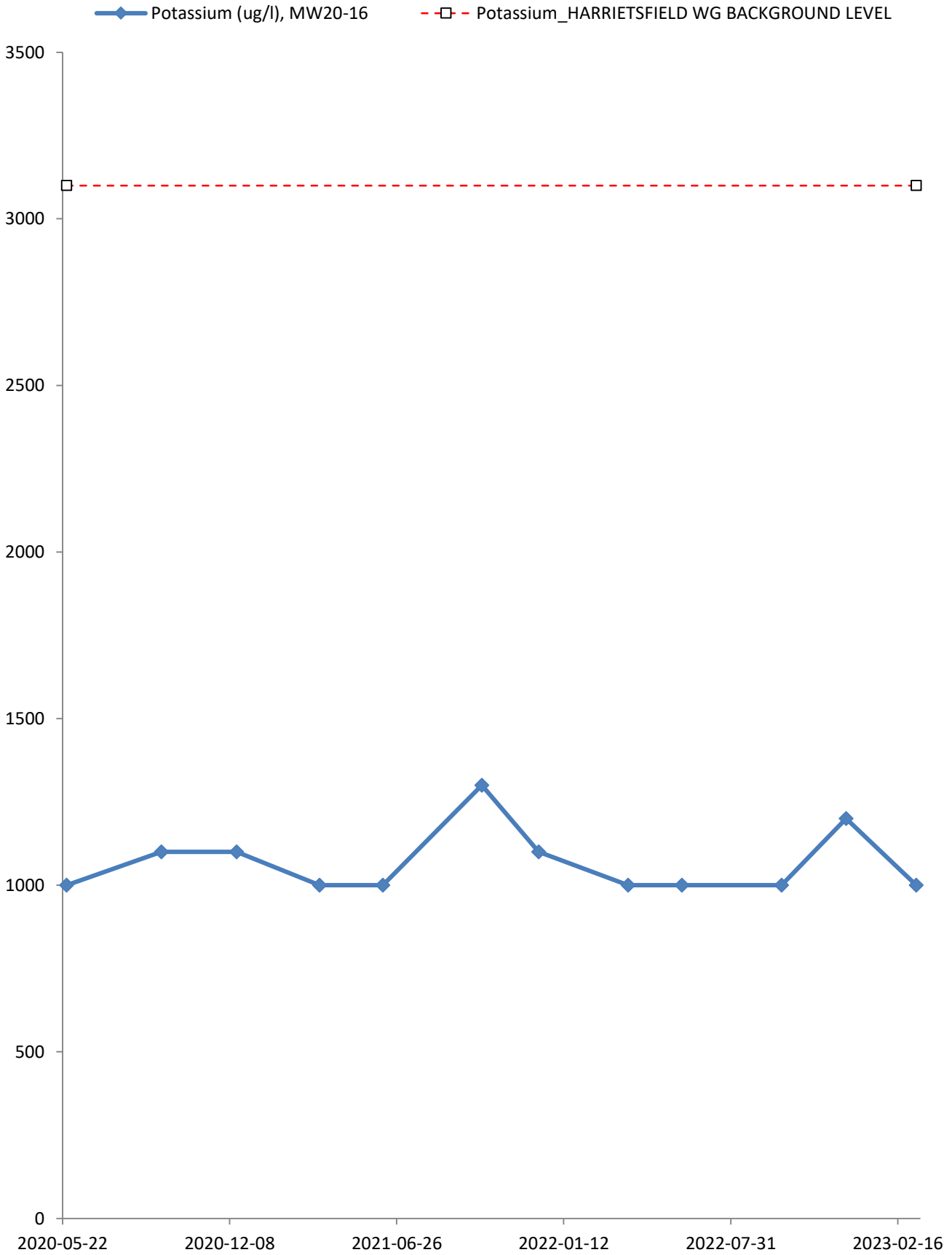




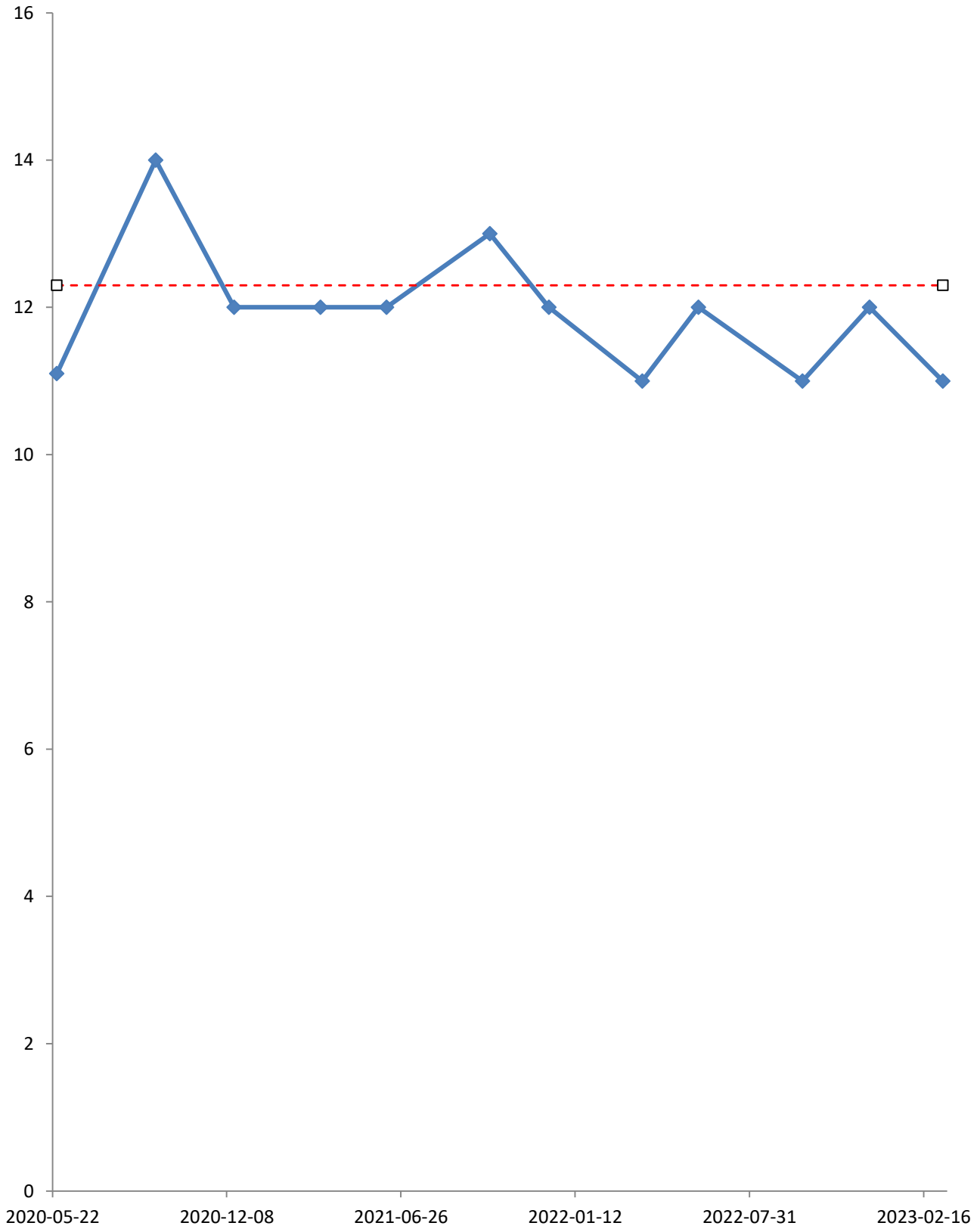




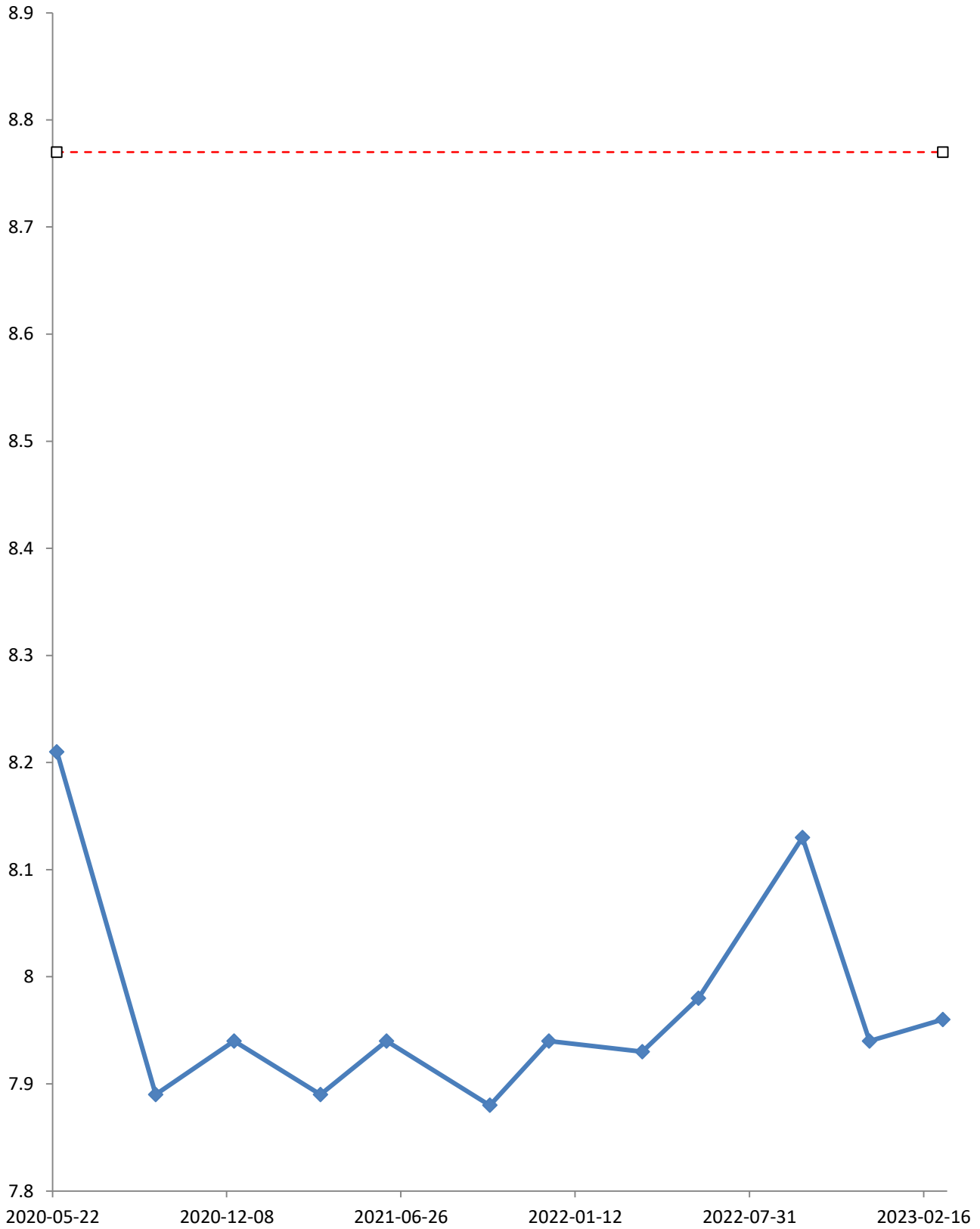




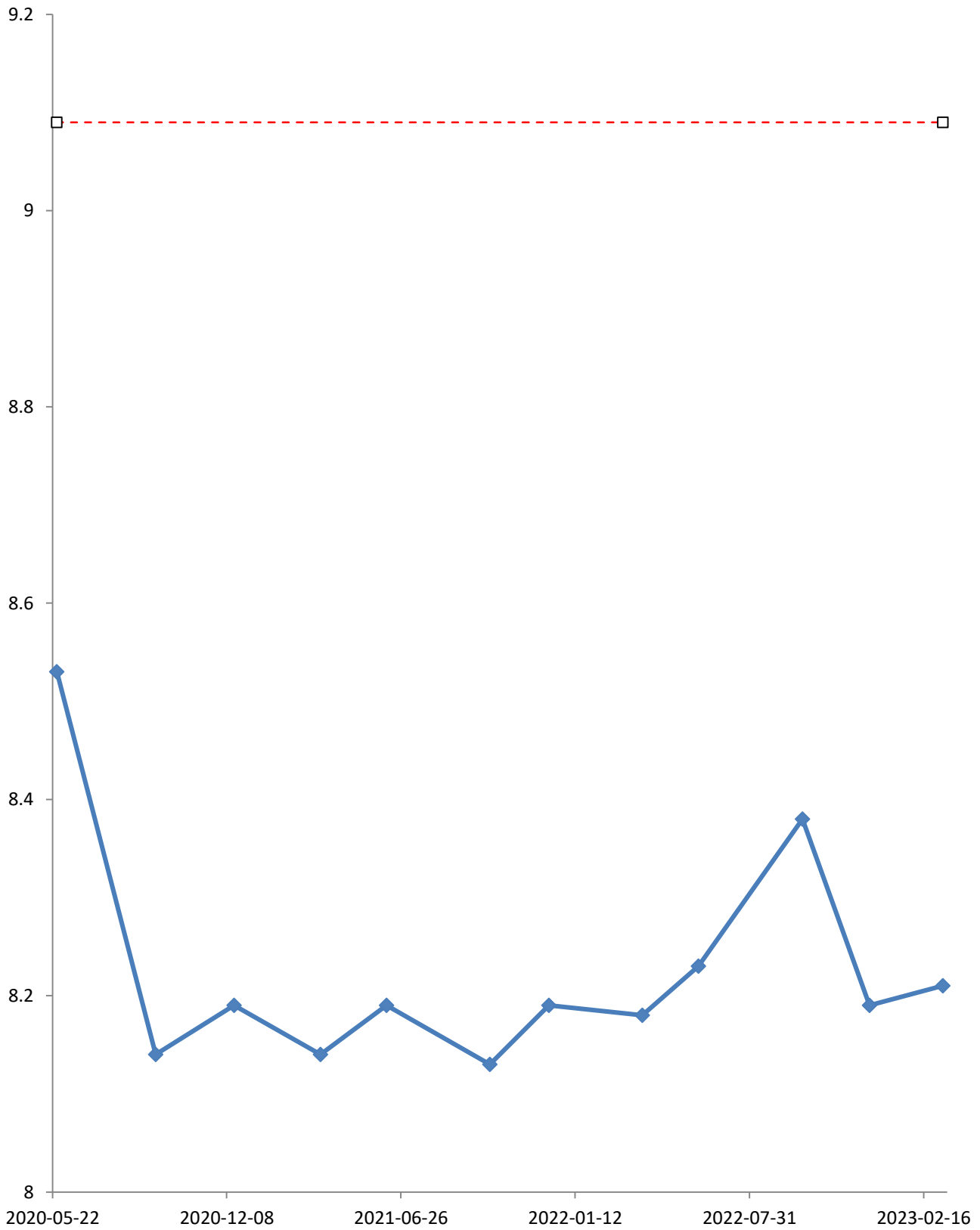
—◆— Reactive Silica (SiO₂) (mg/l), MW20-16
- - □ - - Reactive Silica (SiO₂)_HARRIETSFIELD WG BACKGROUND LEVEL

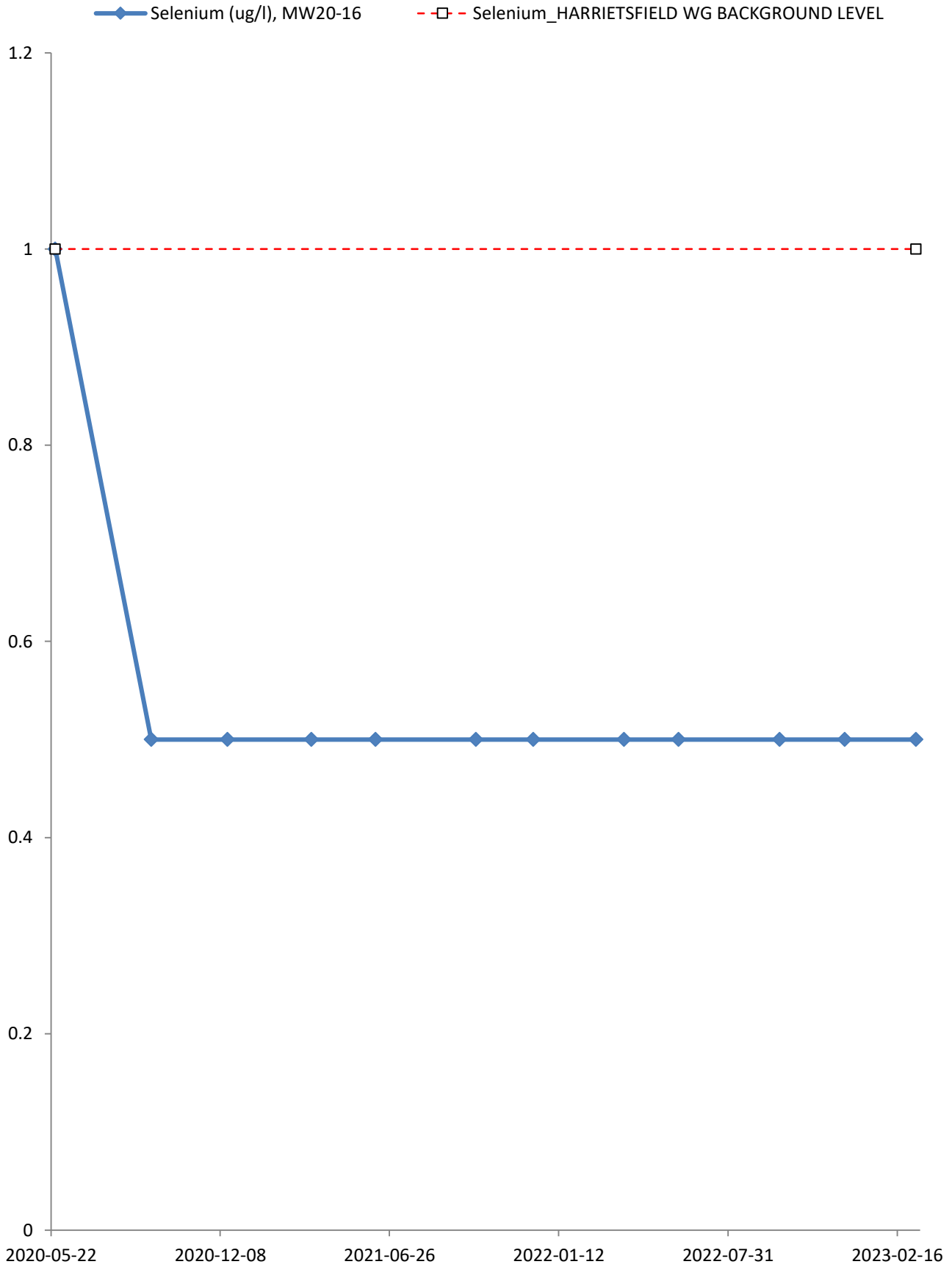


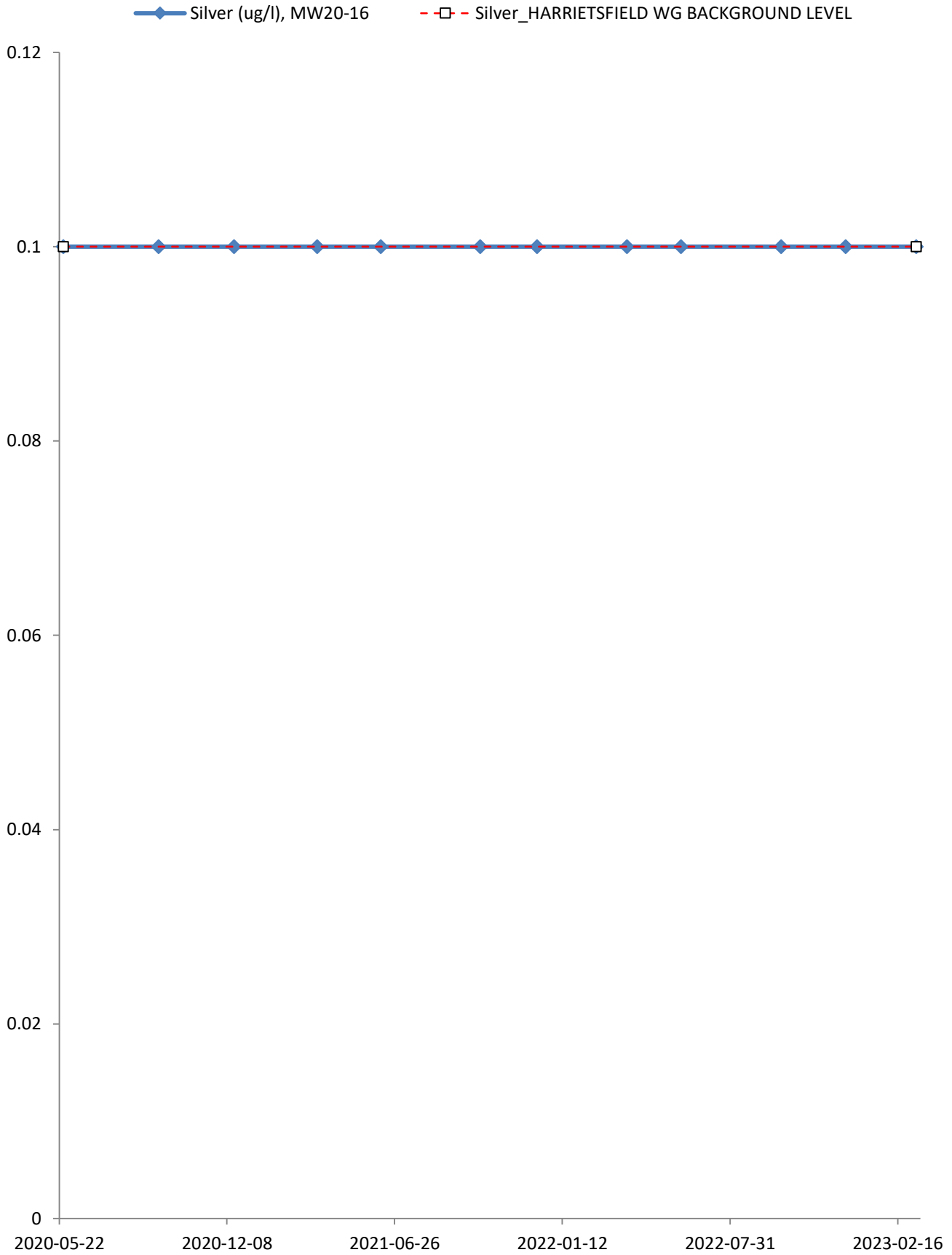
—◆— Saturation pH (at 20 C) (none), MW20-16
- -□- - Saturation pH (at 20 C)_HARRIETSFIELD WG BACKGROUND LEVEL

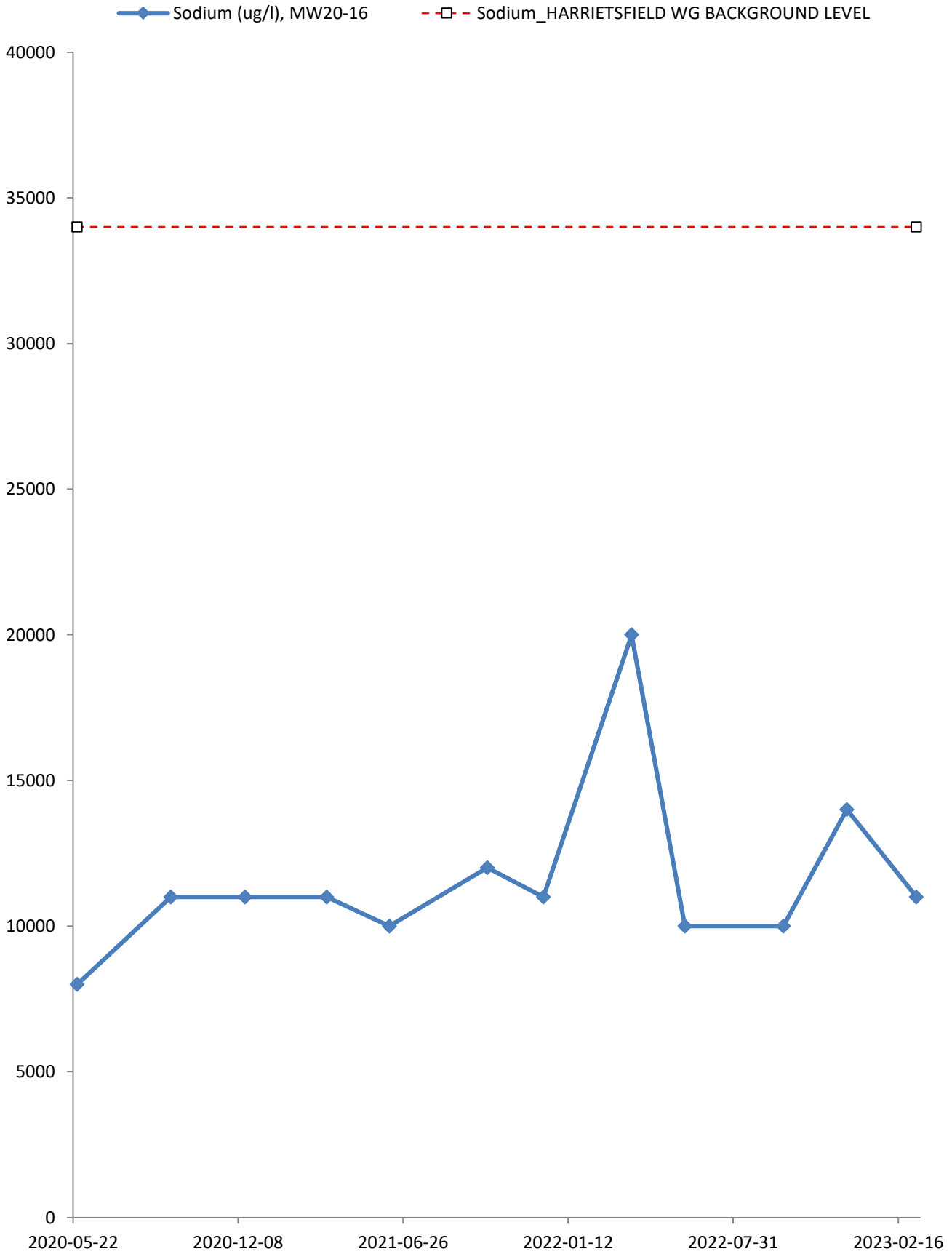


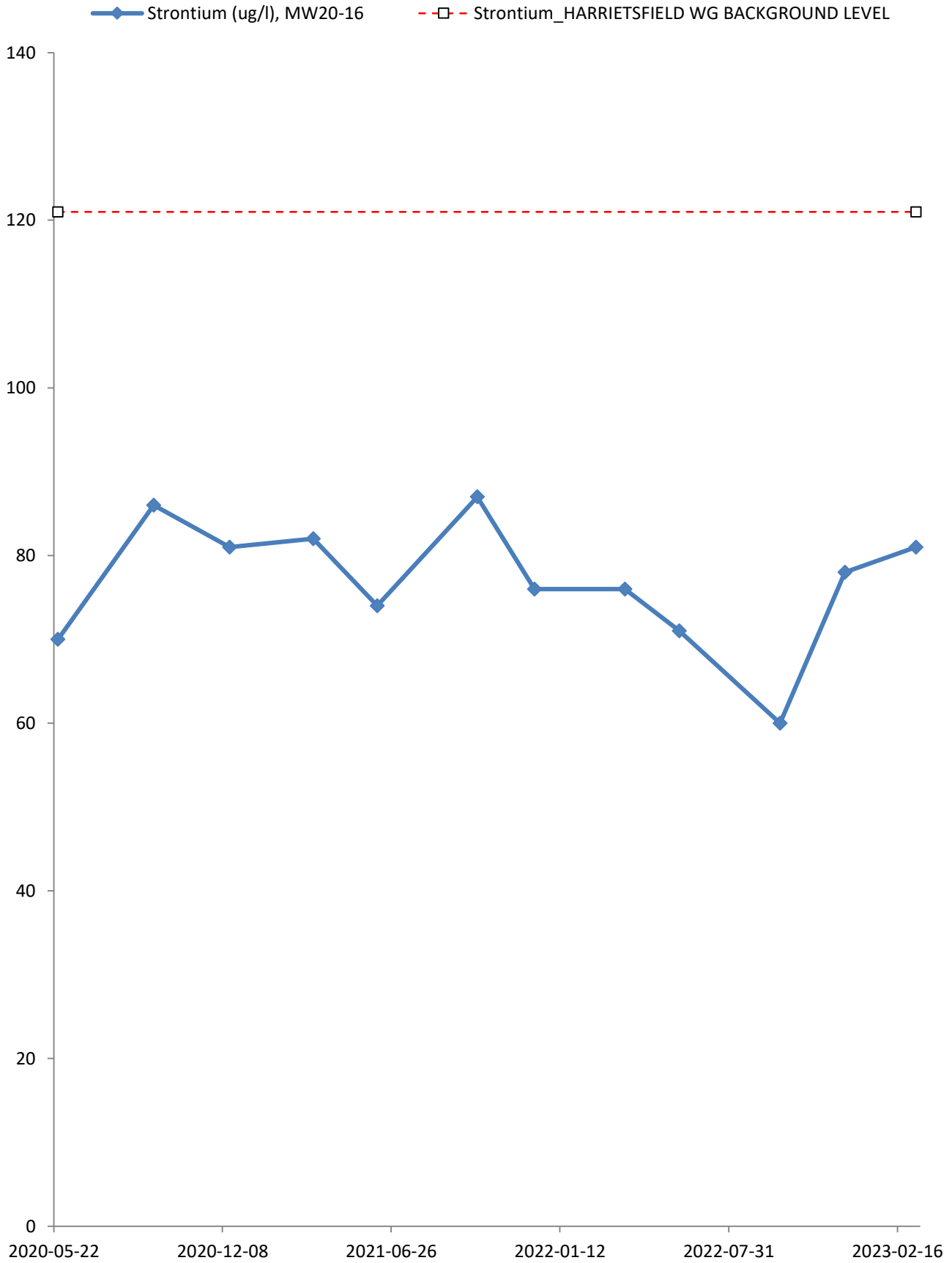
- ◆— Saturation pH (at 4 C) (none), MW20-16
- -□- - Saturation pH (at 4 C)_HARRIETSFIELD WG BACKGROUND LEVEL

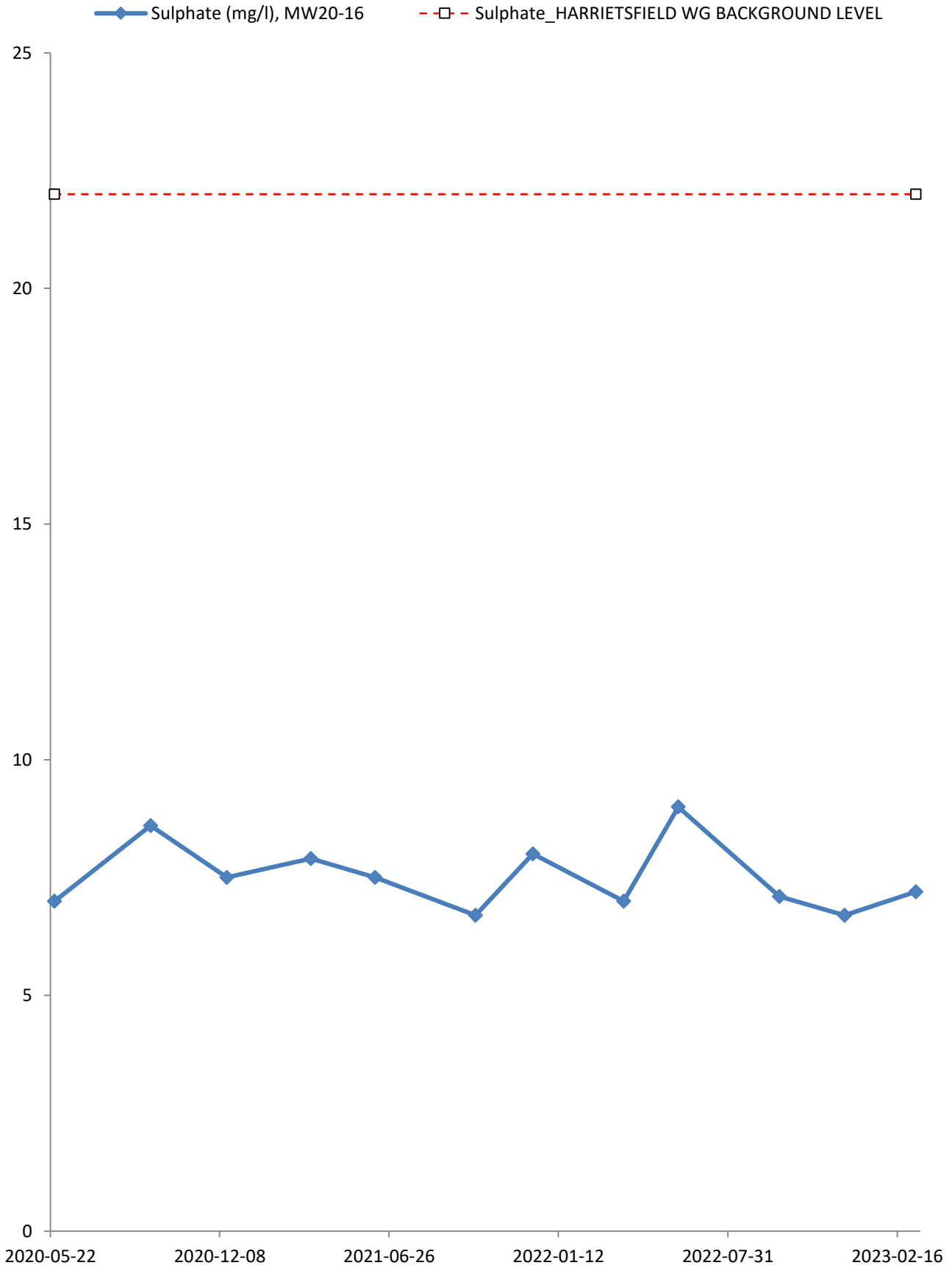


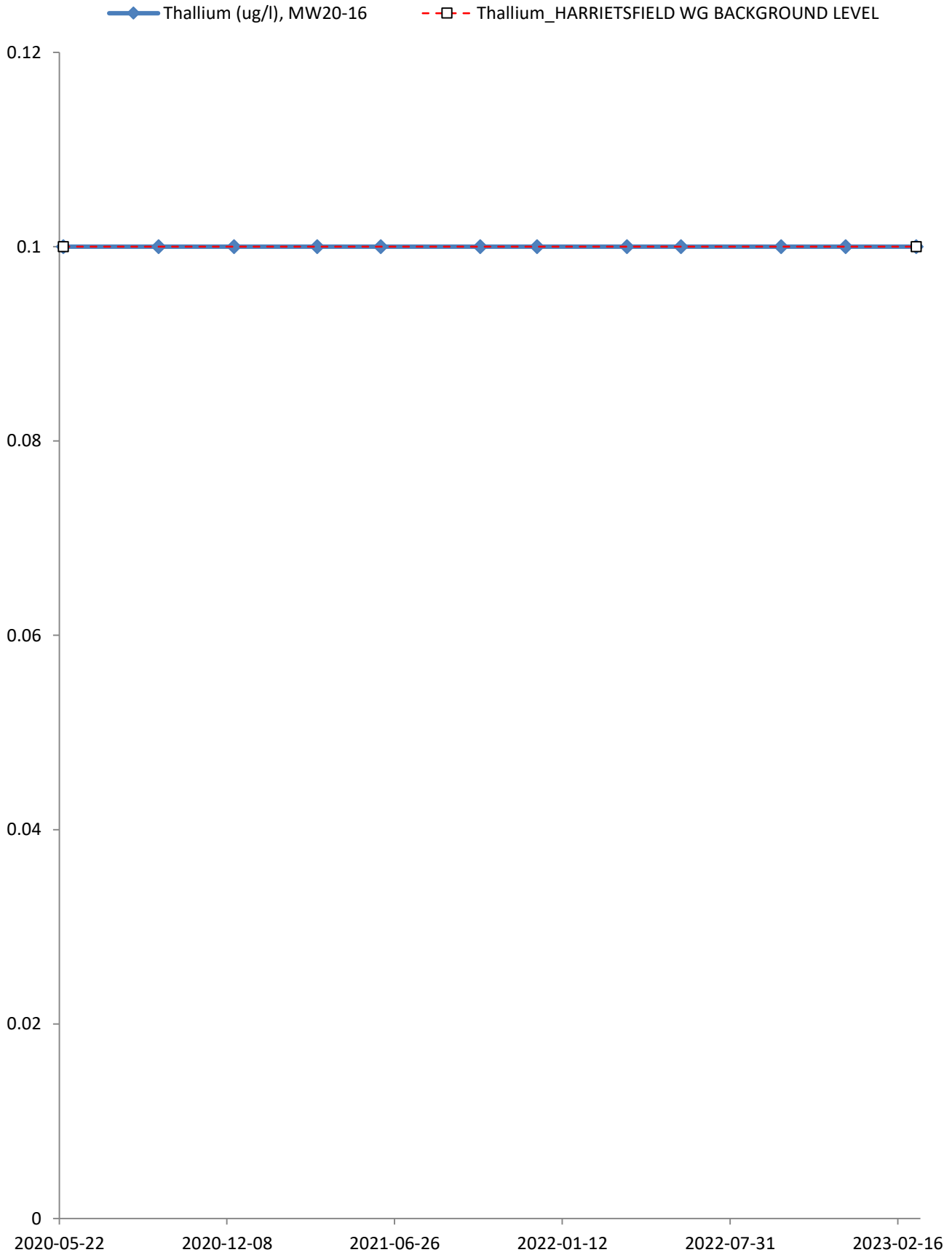


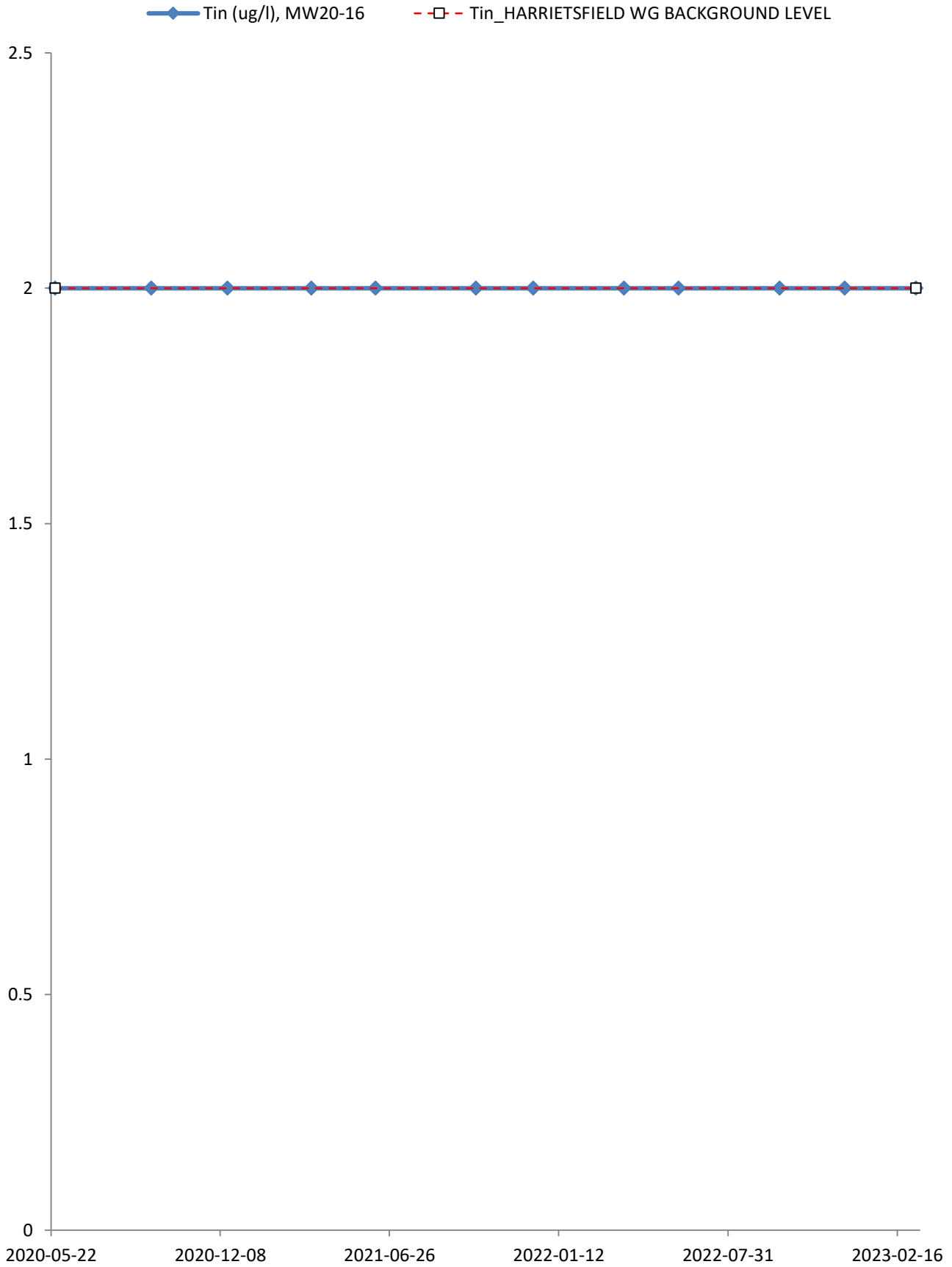


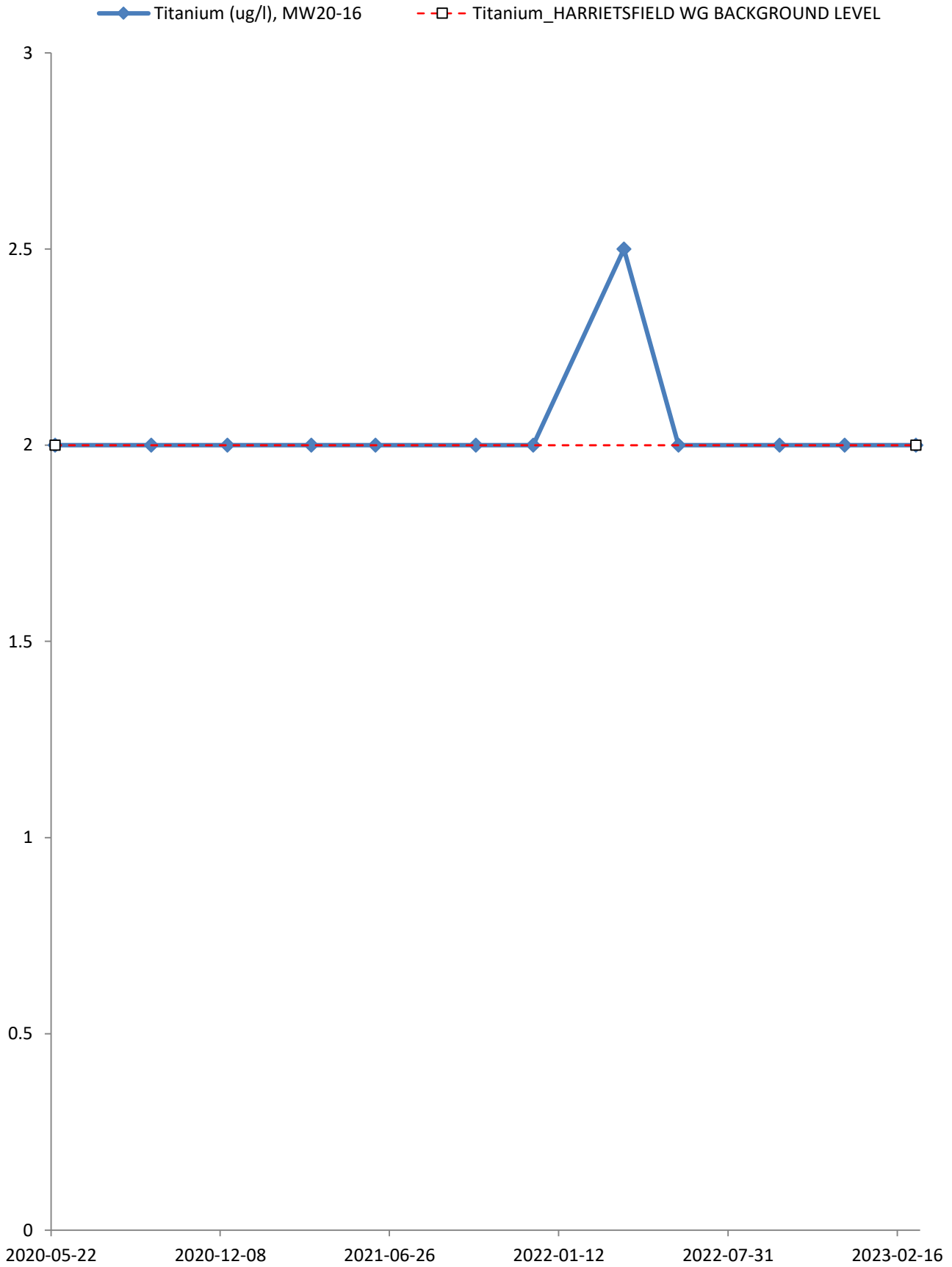


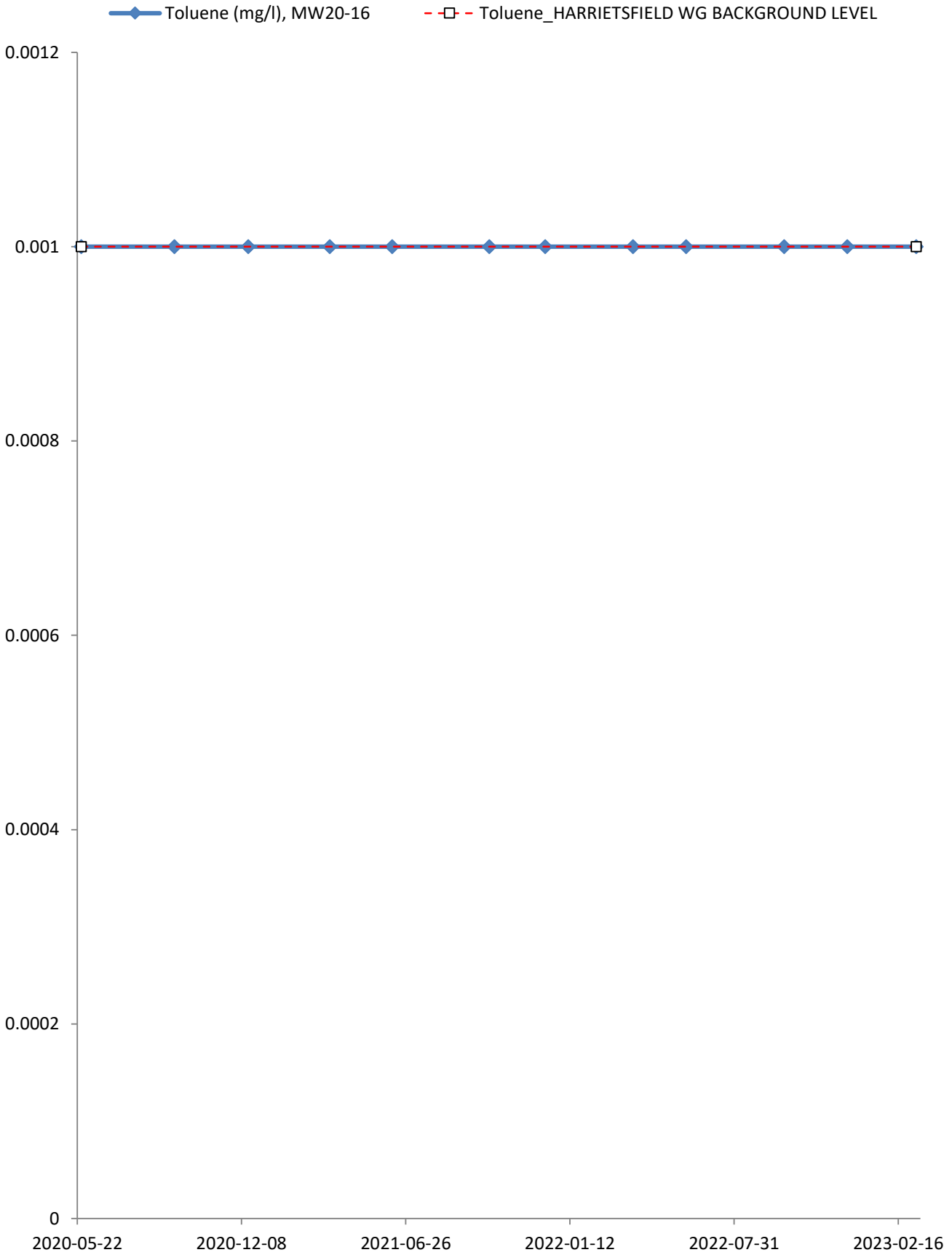




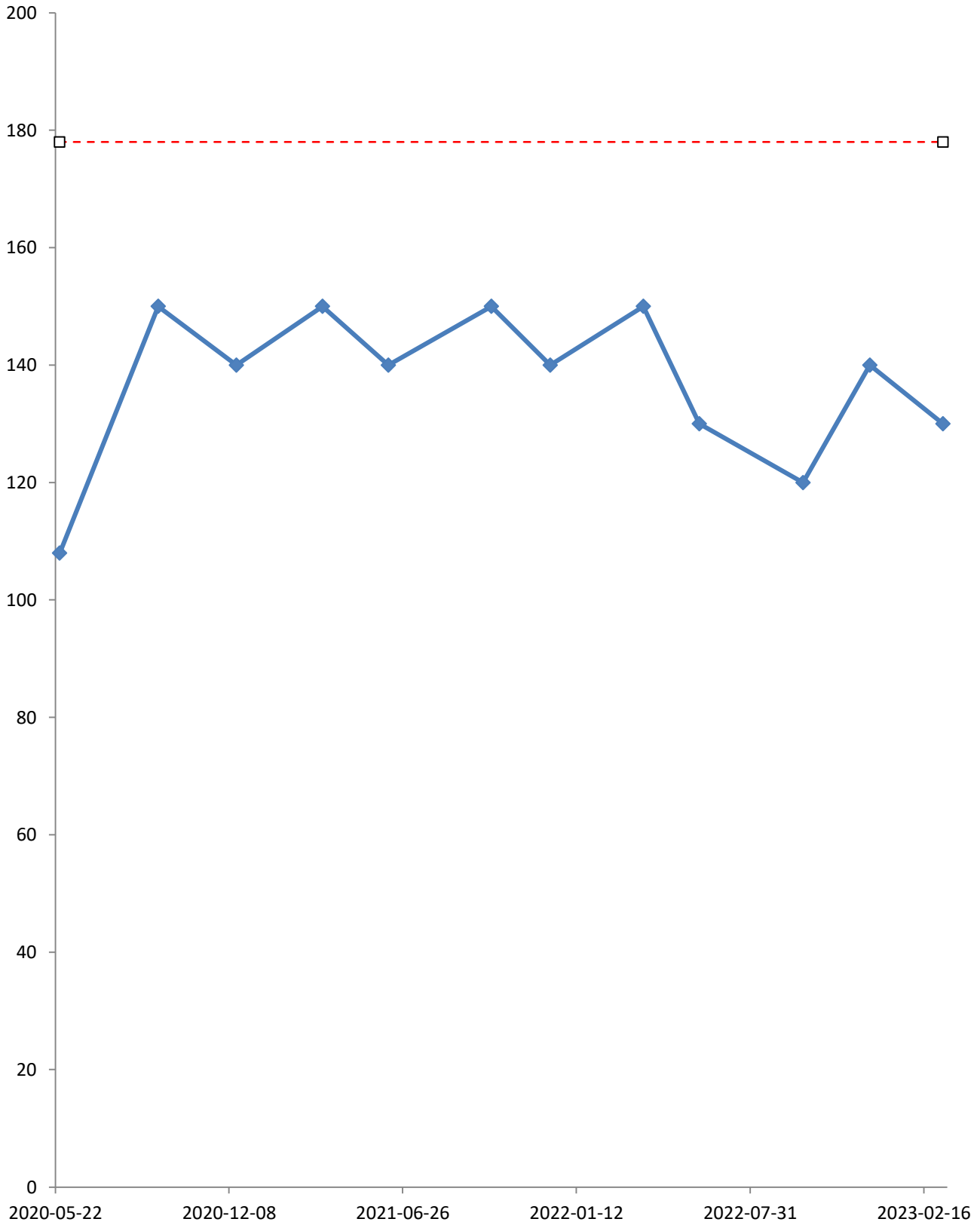


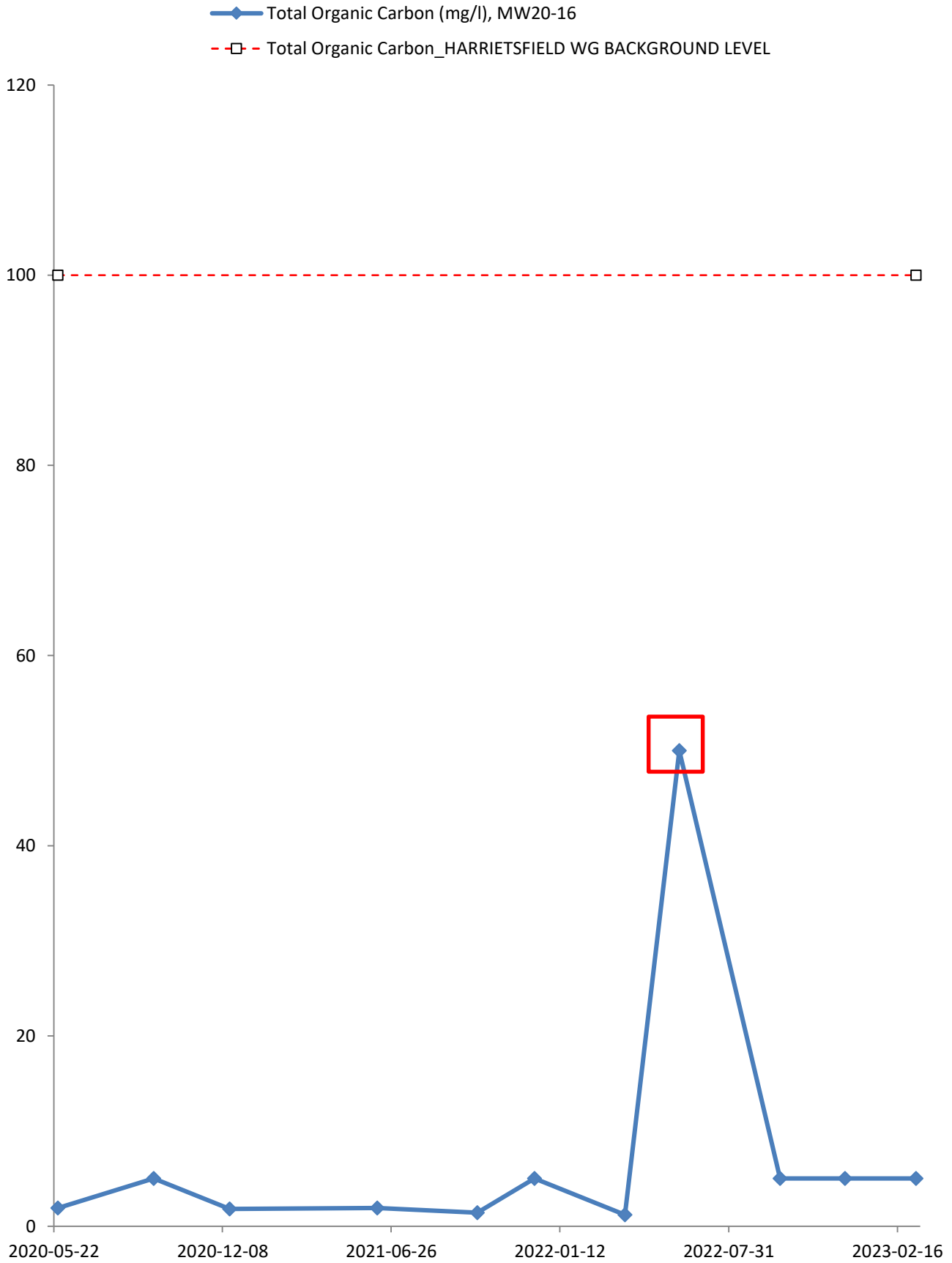


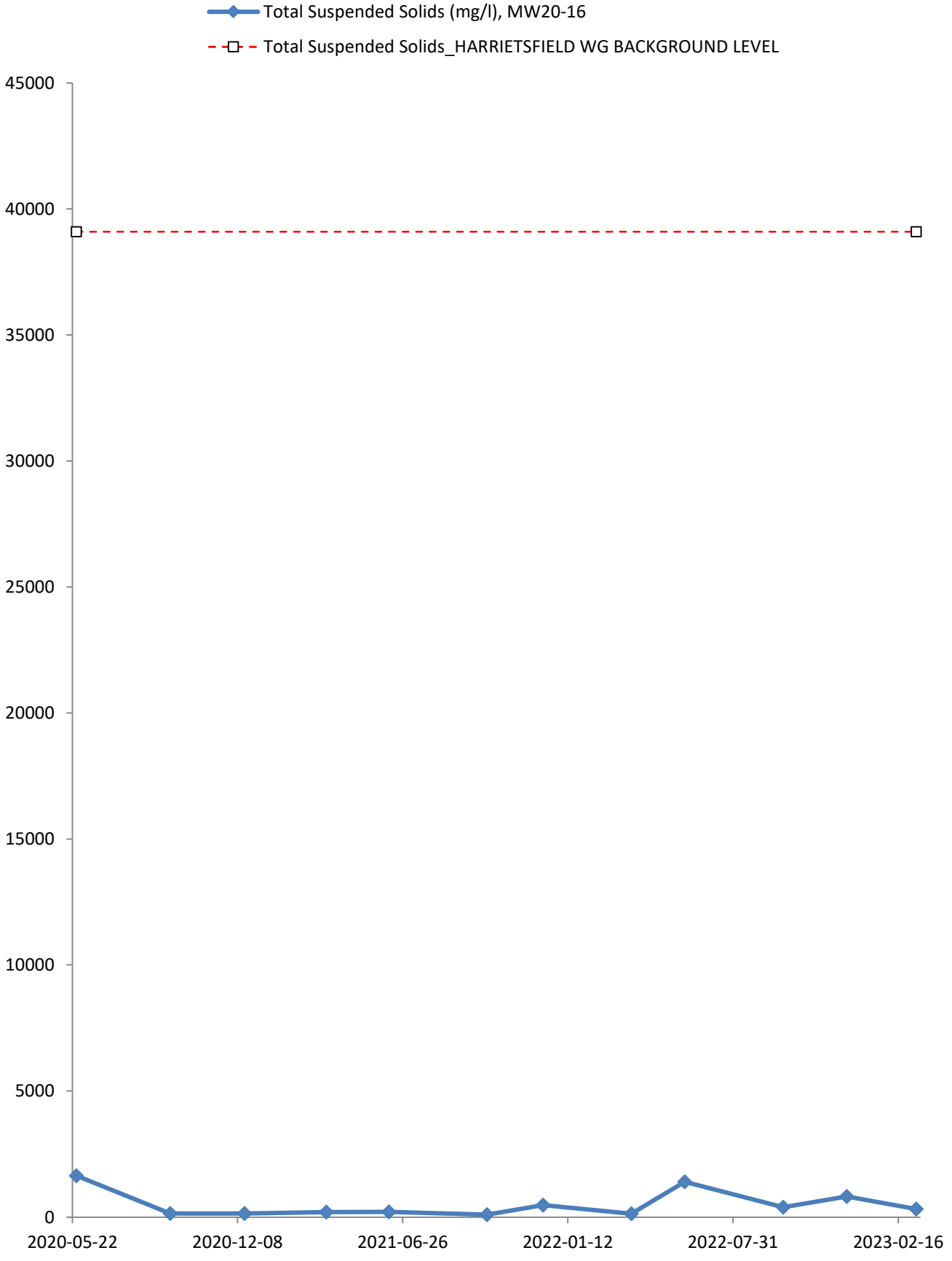


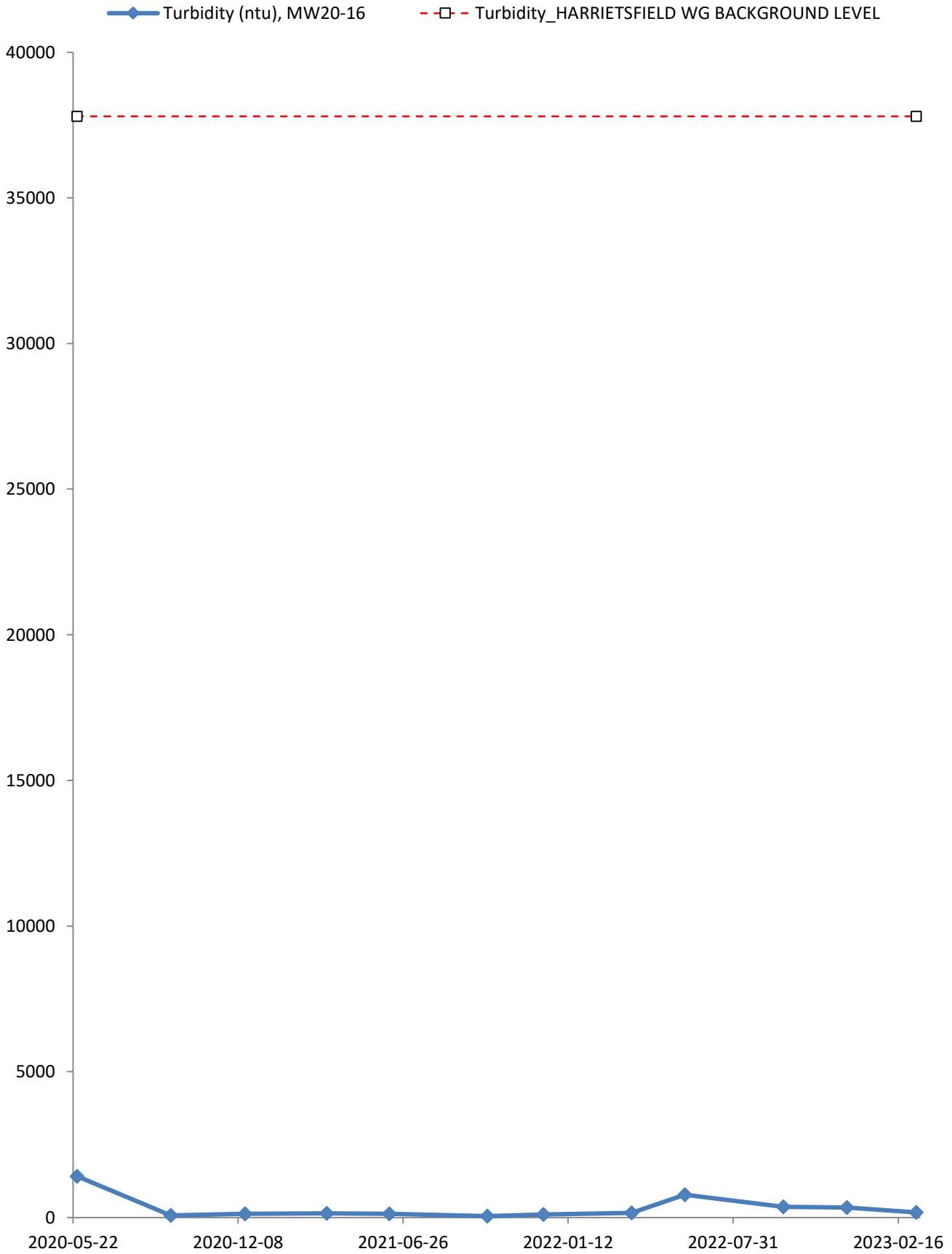


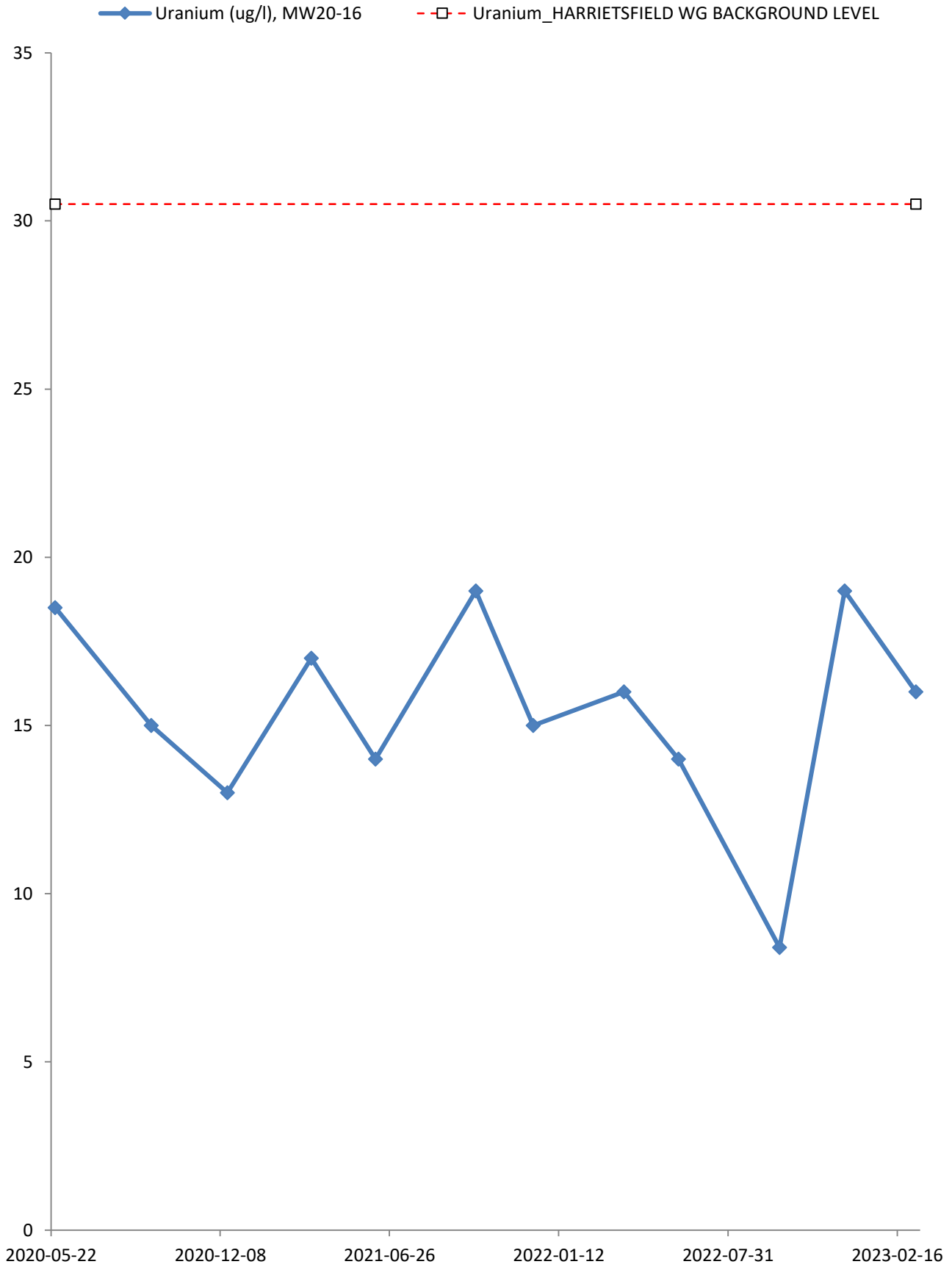
—◆— Total Diss Solids (Lab) (mg/l), MW20-16
- - □ - - Total Diss Solids (Lab)_HARRIETSFIELD WG BACKGROUND LEVEL

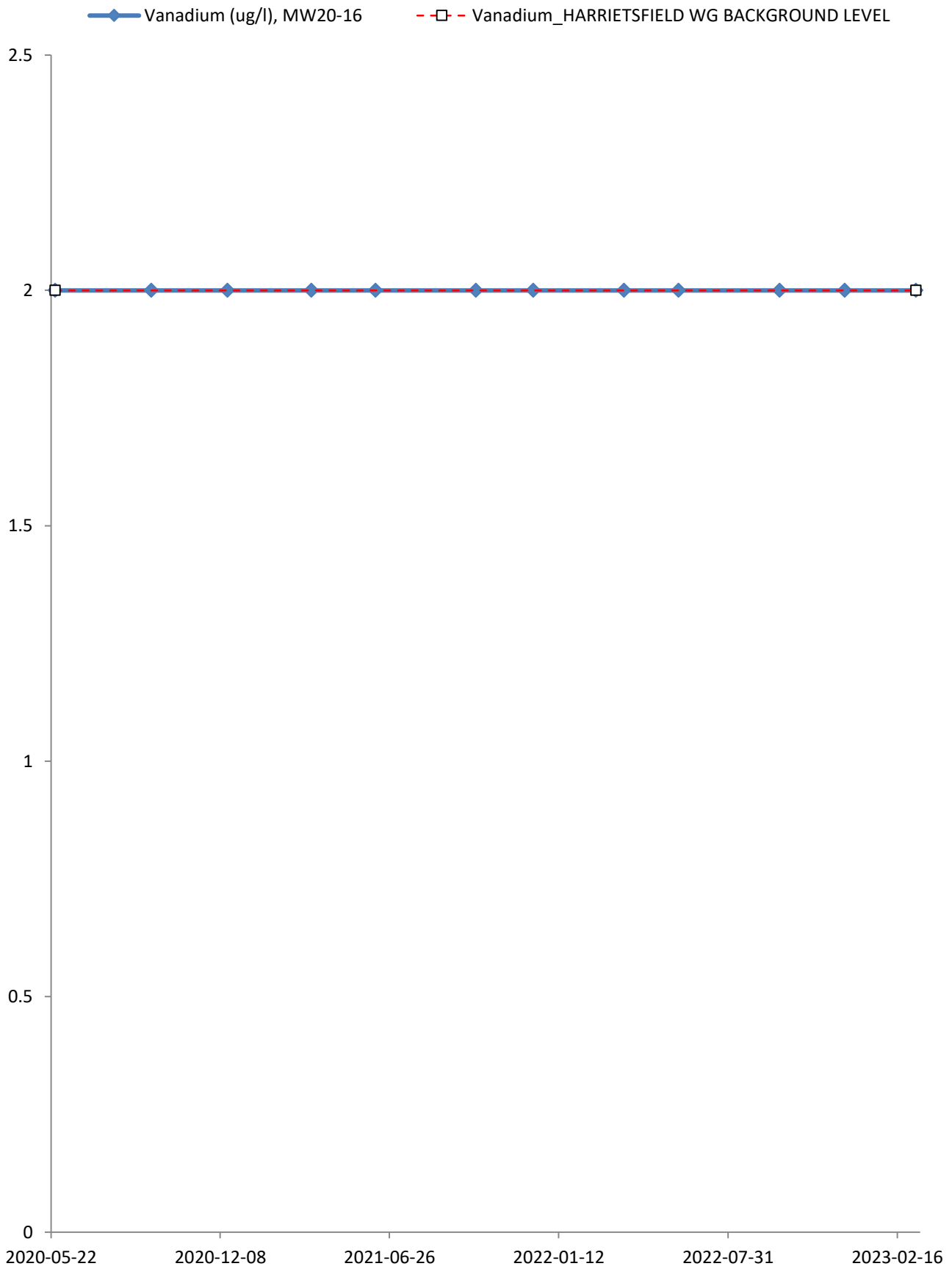


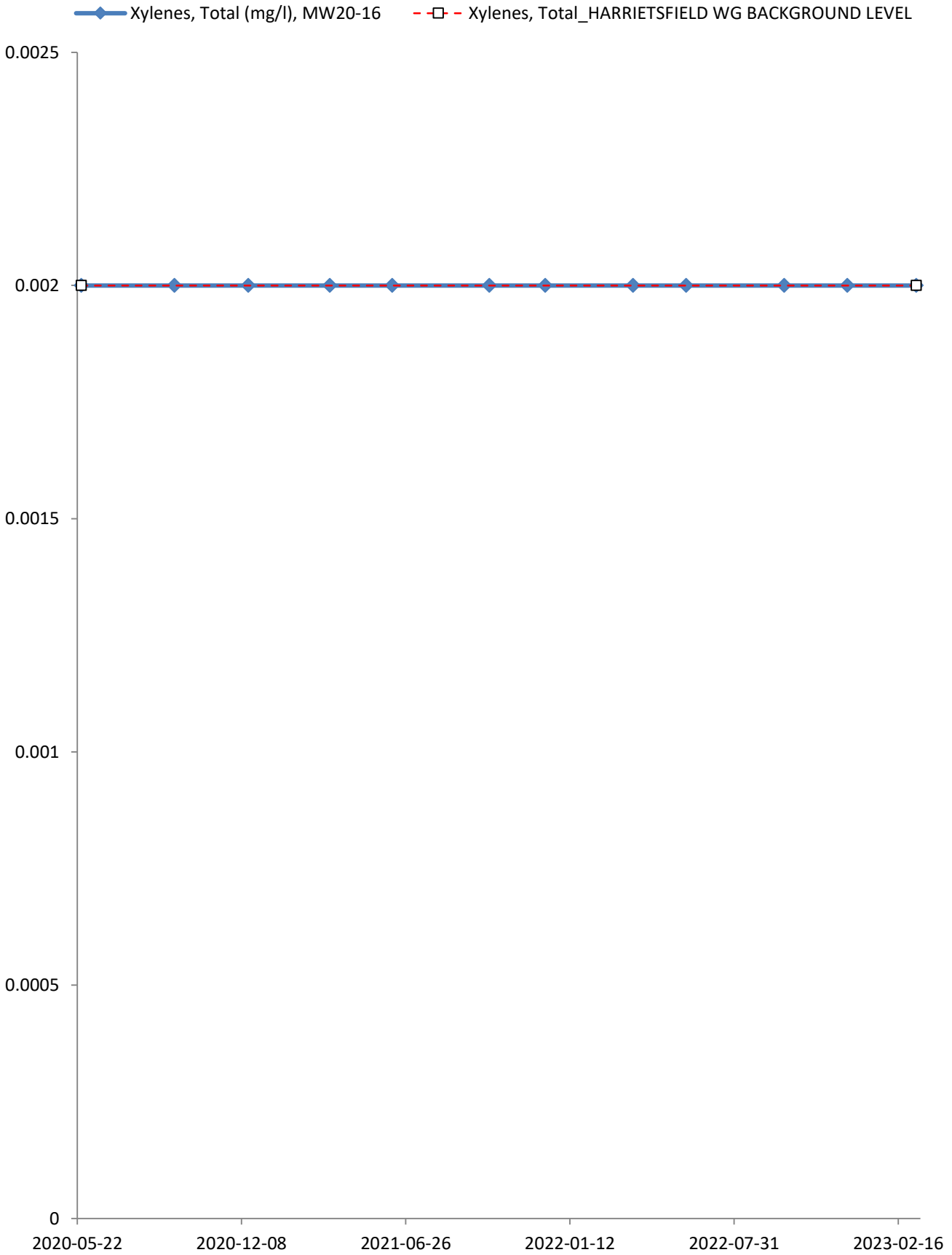


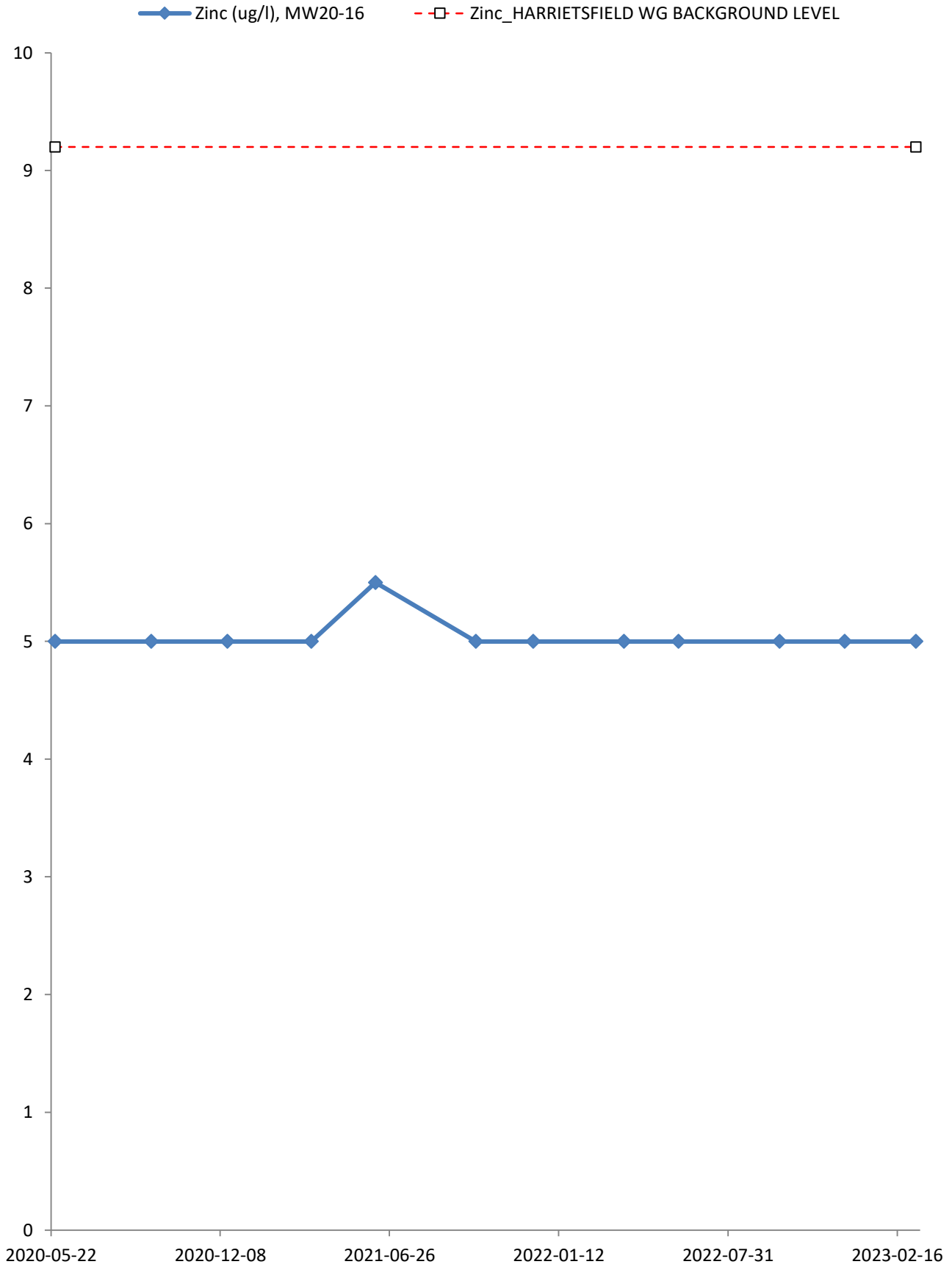




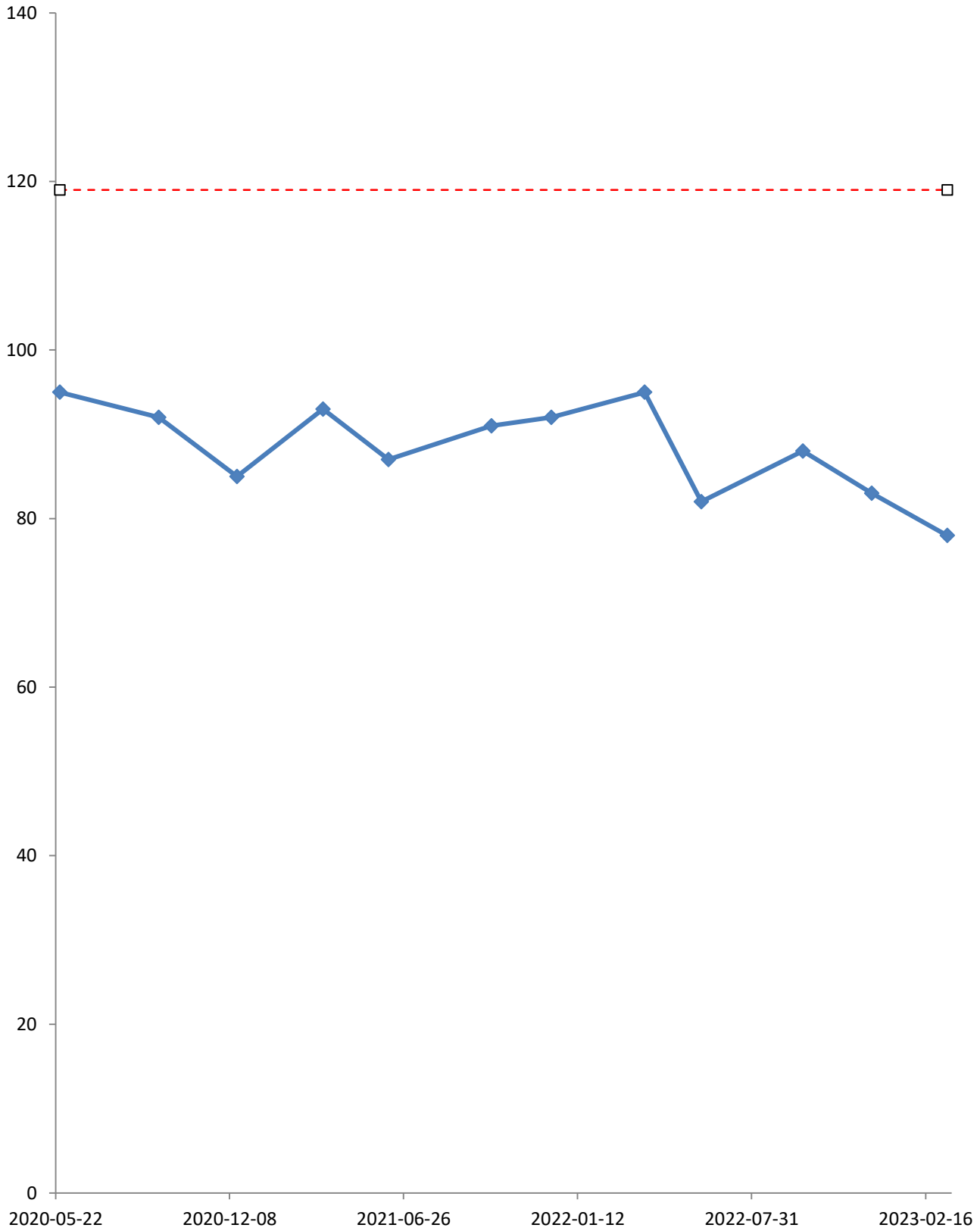




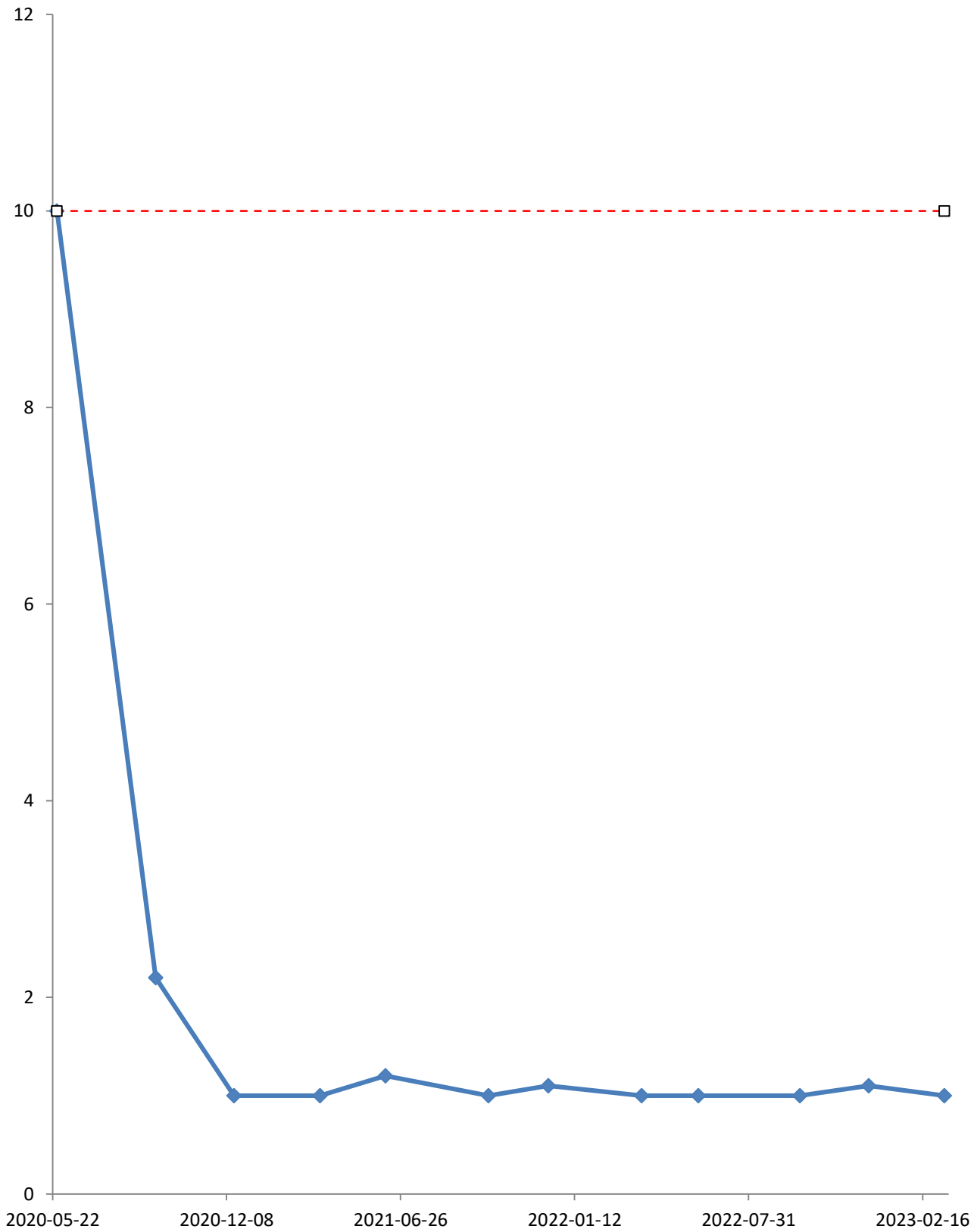


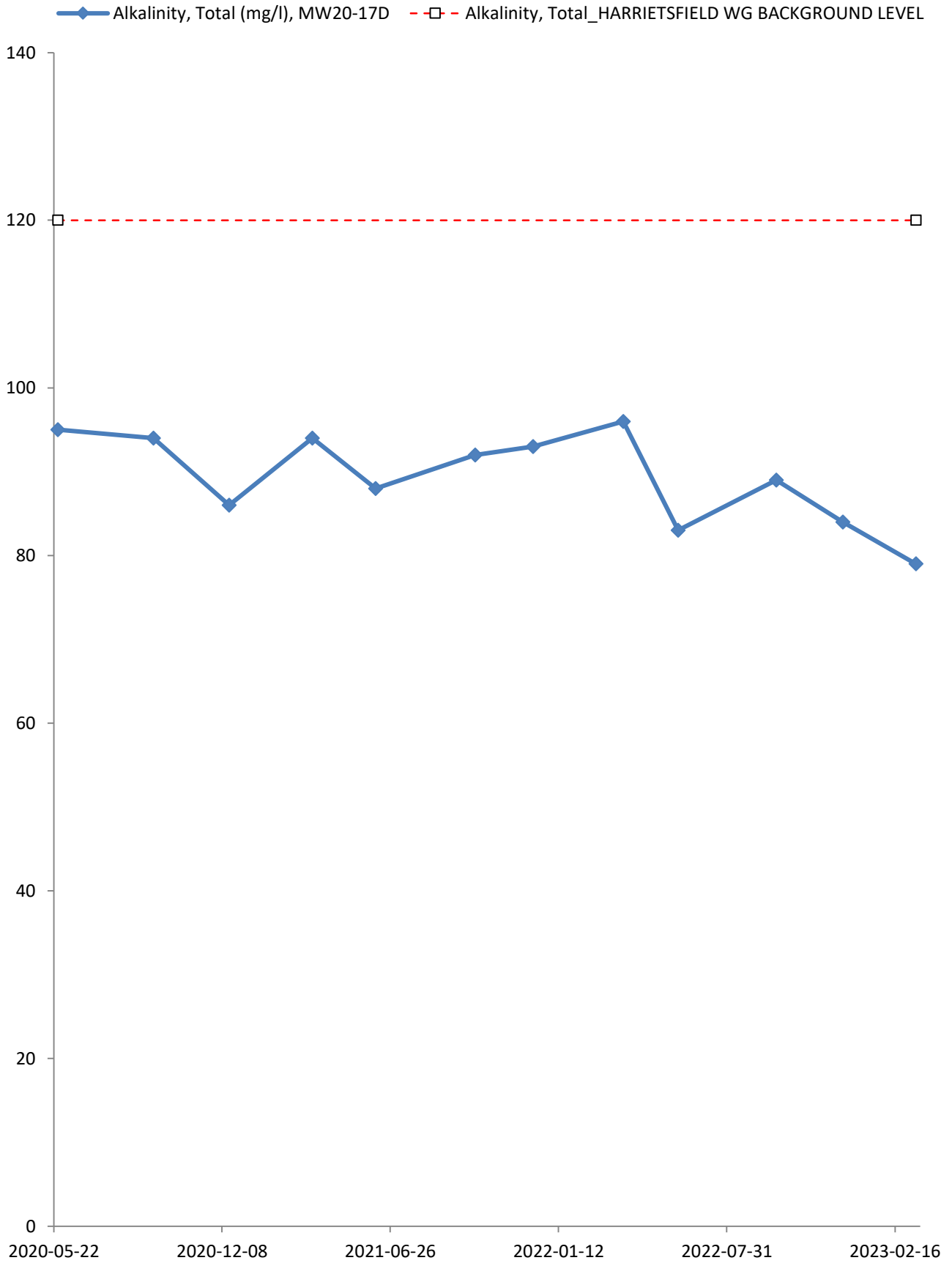


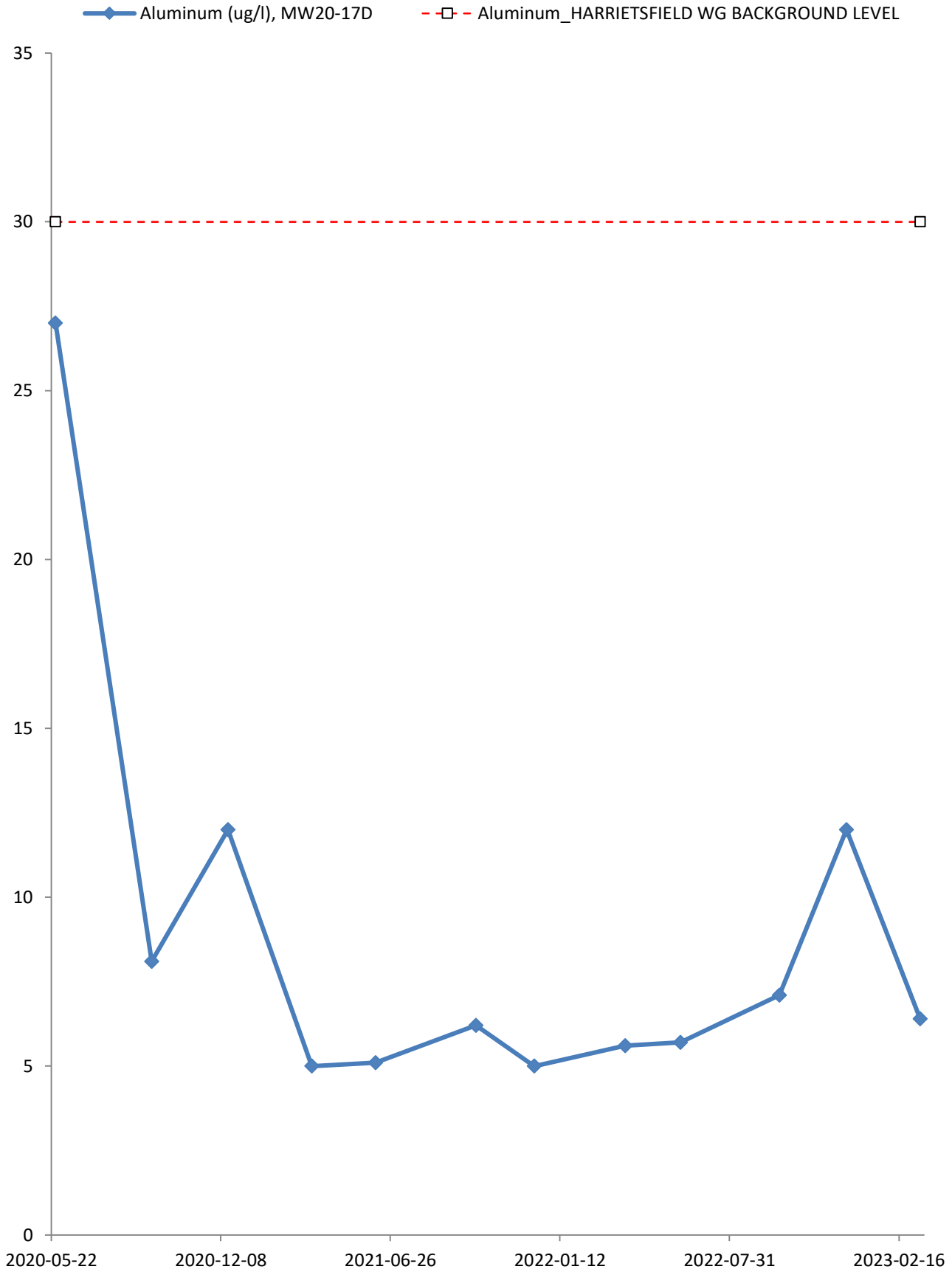
—◆— Alkalinity, Bicarbonate (mg/l), MW20-17D
- -□- Alkalinity, Bicarbonate_HARRIETSFIELD WG BACKGROUND LEVEL

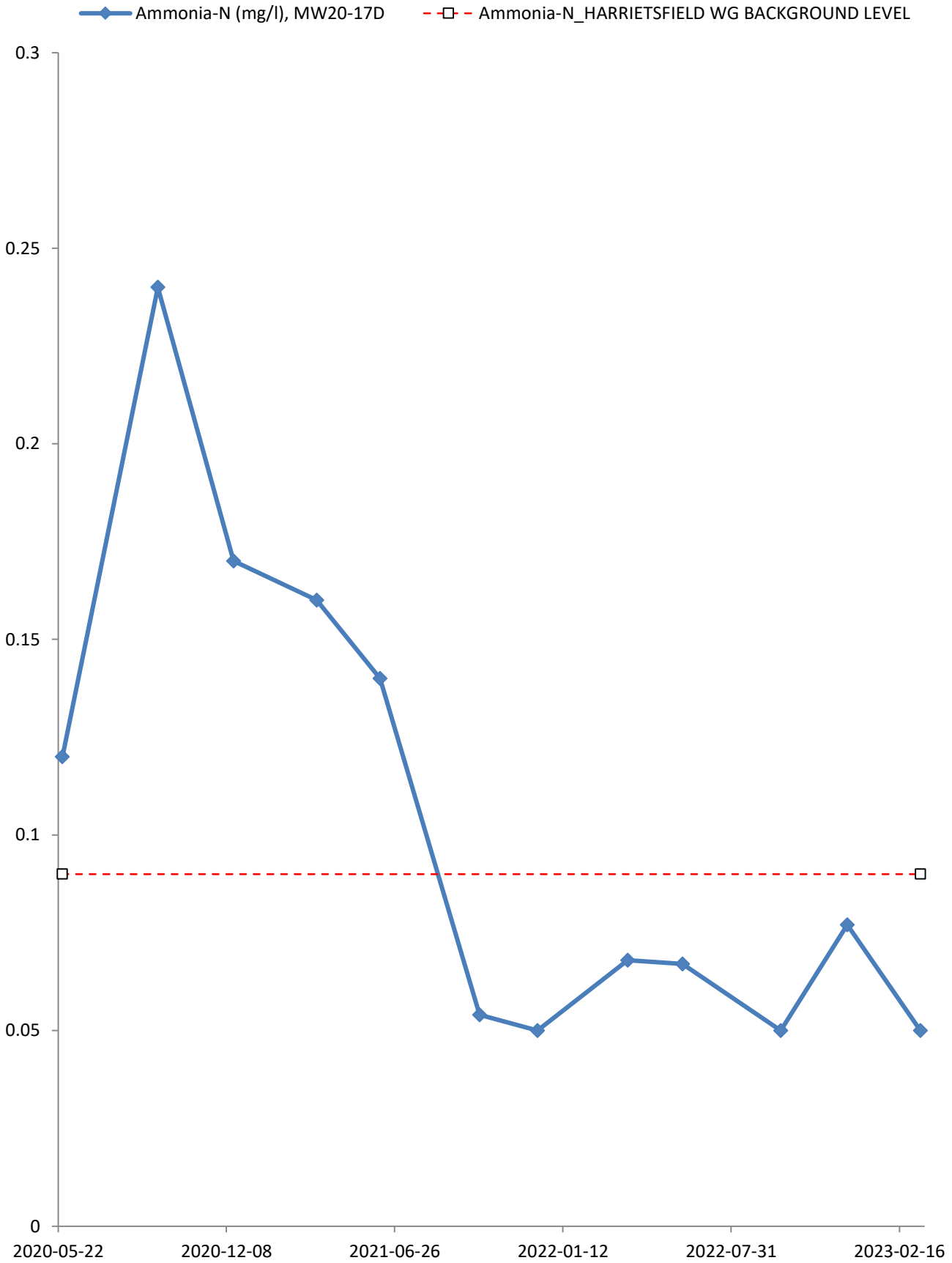


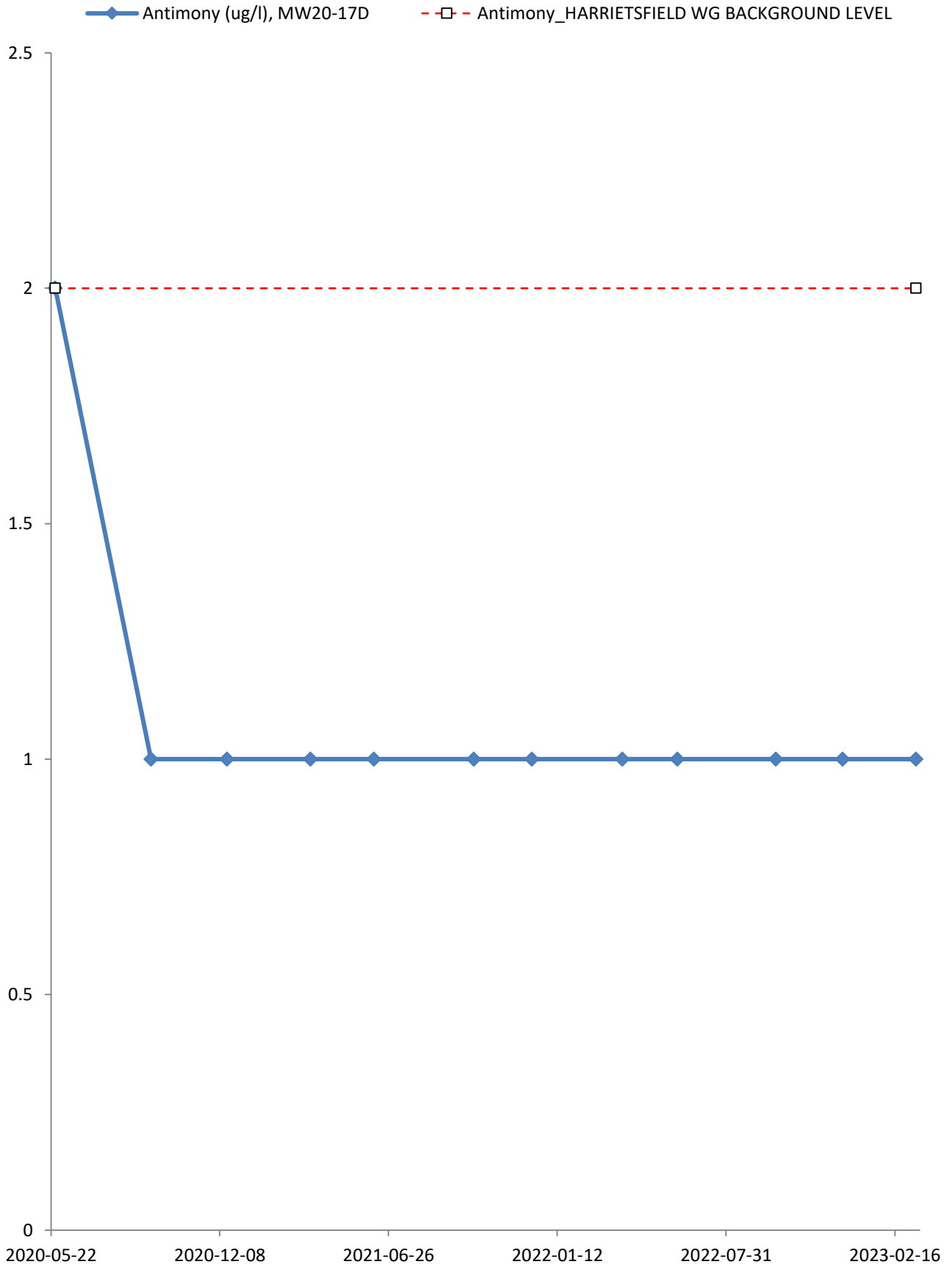
—◆— Alkalinity, Carbonate (mg/l), MW20-17D
- -□- - Alkalinity, Carbonate_HARRIETSFIELD WG BACKGROUND LEVEL

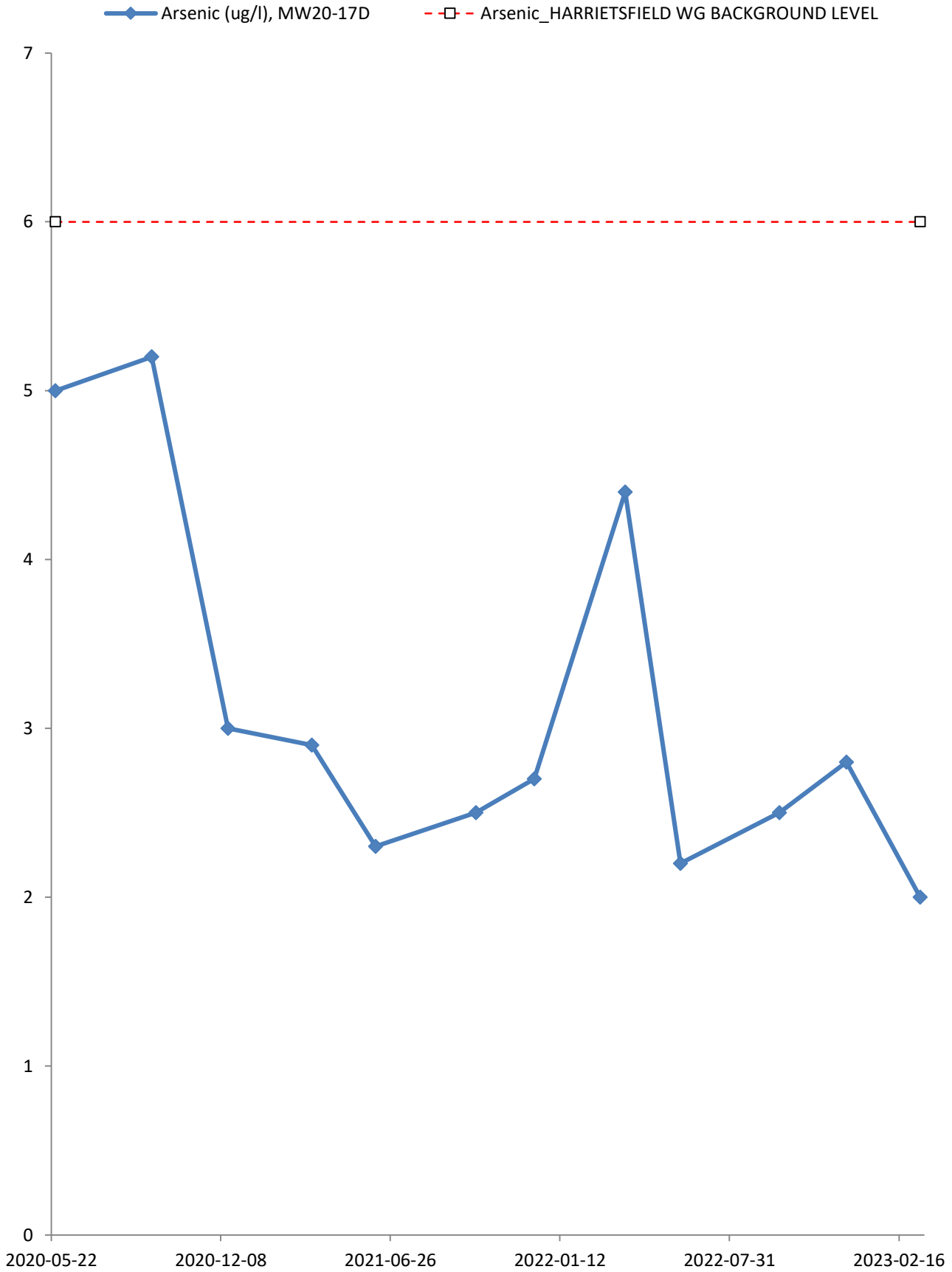


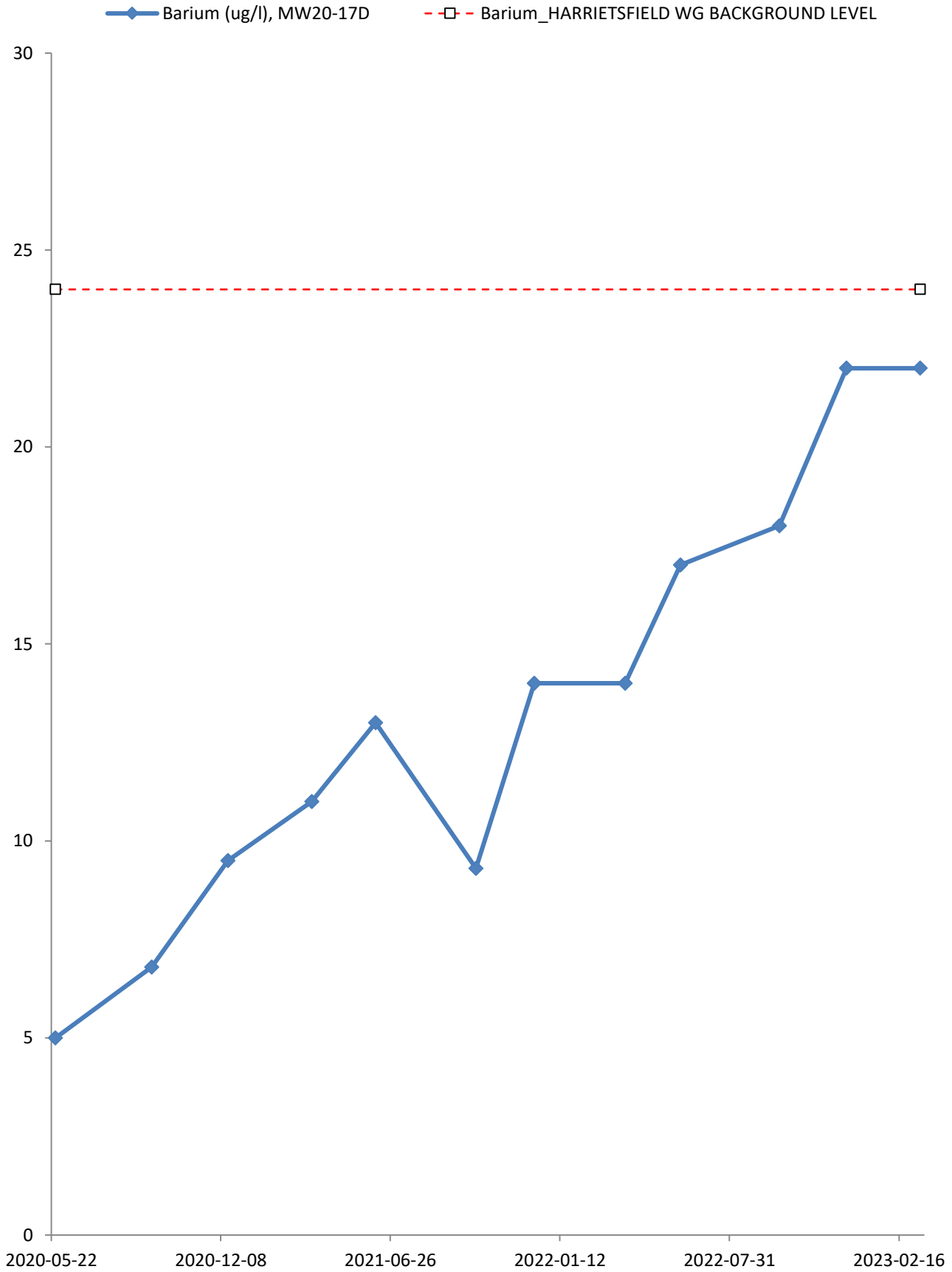


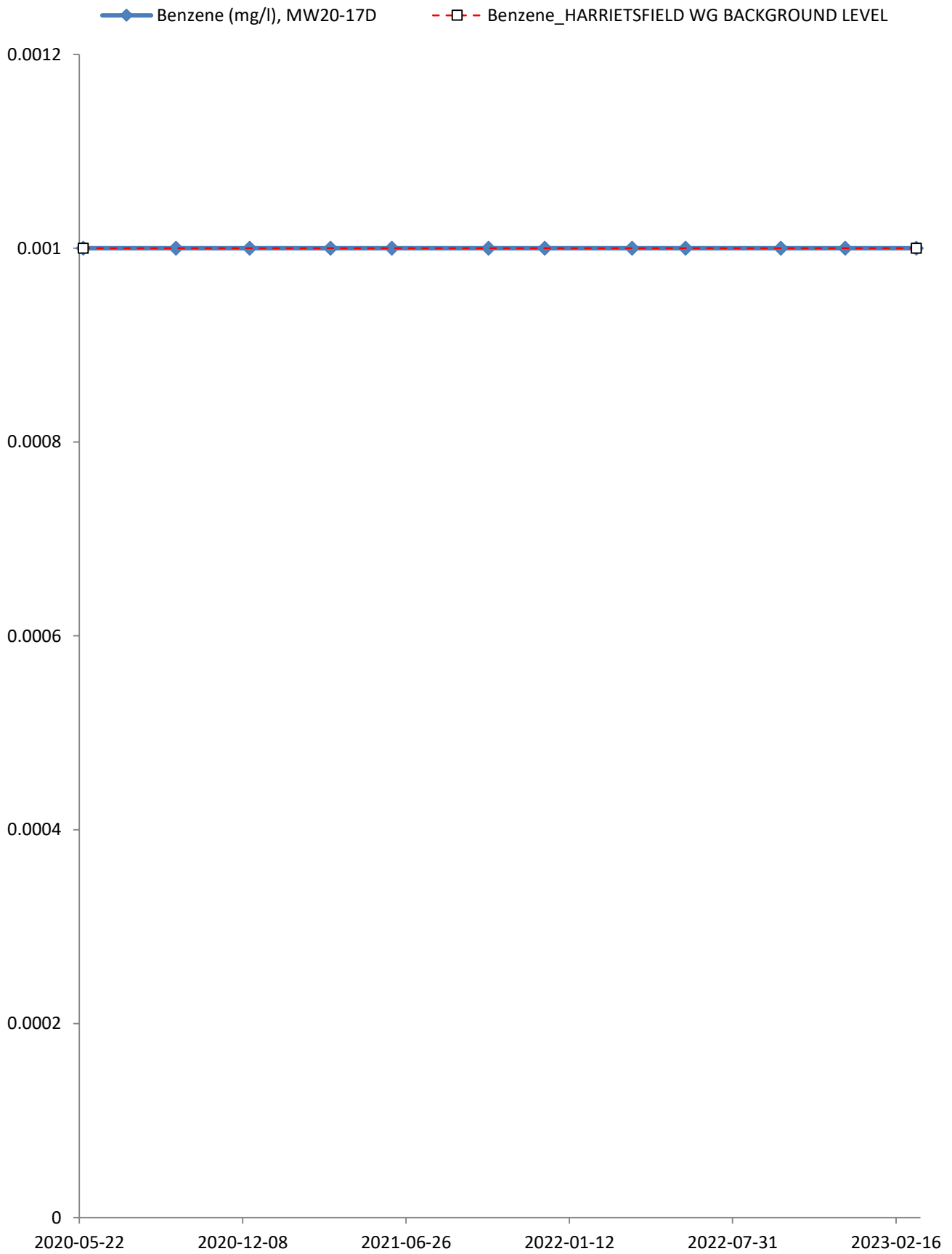


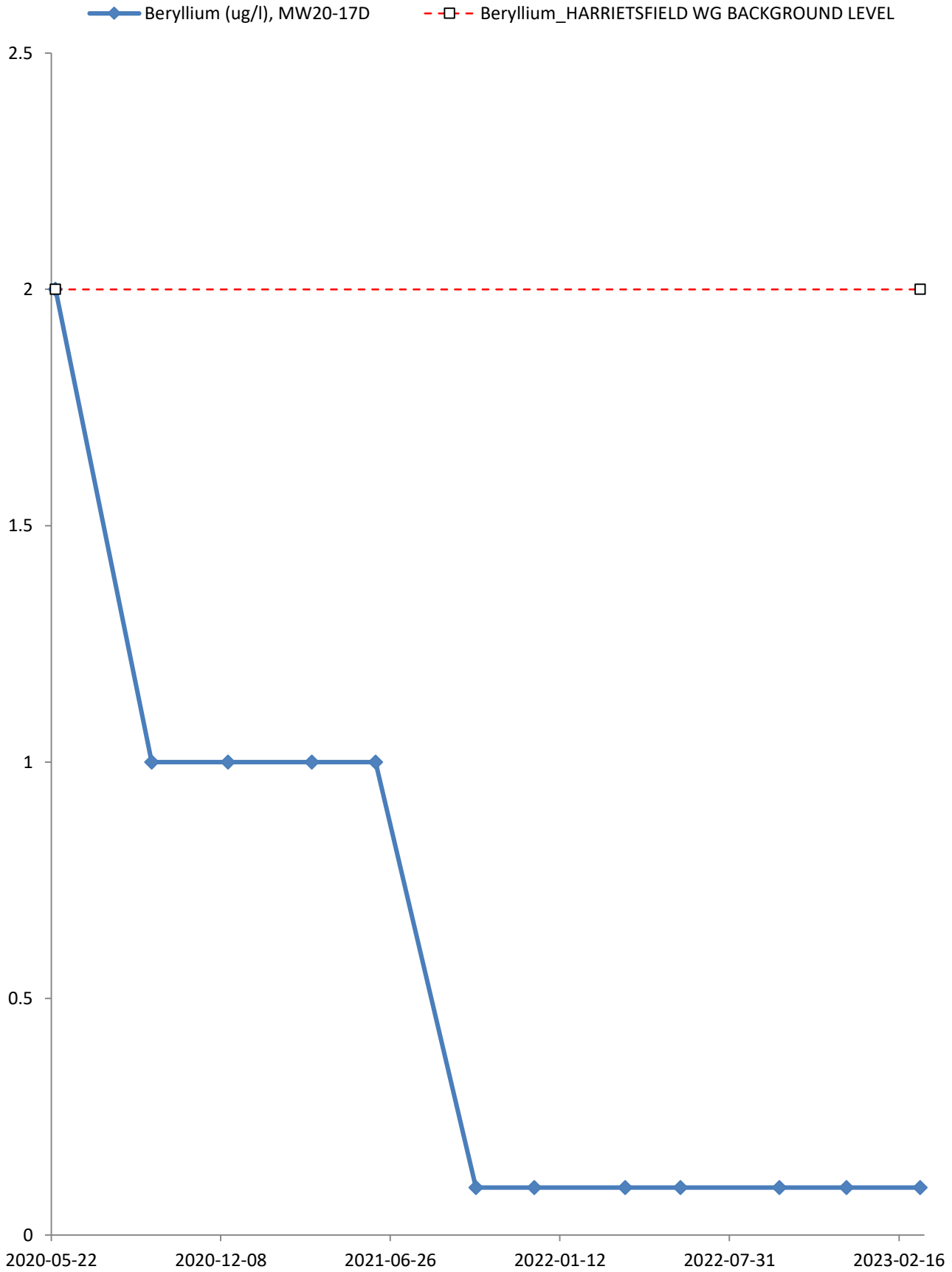


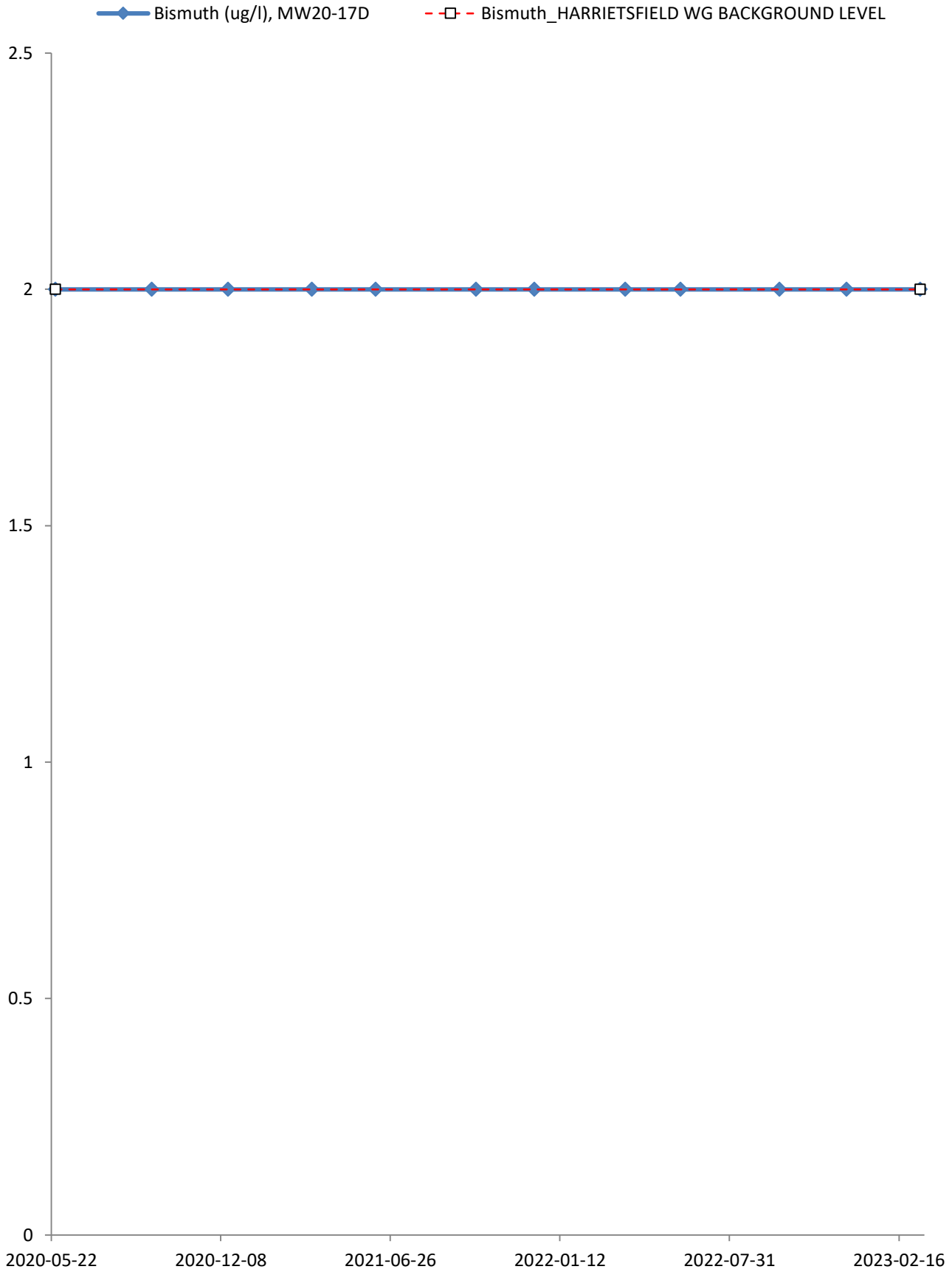


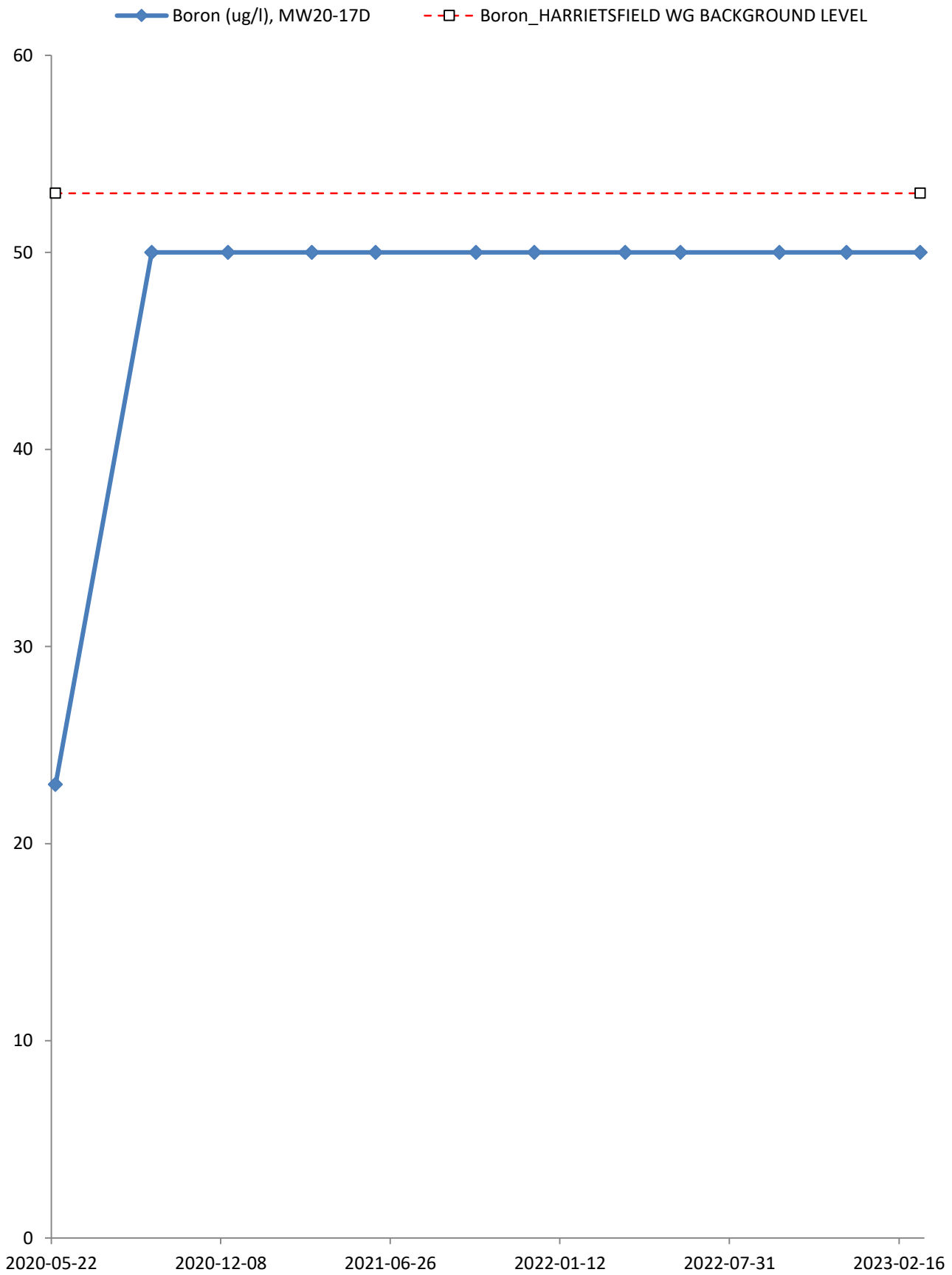


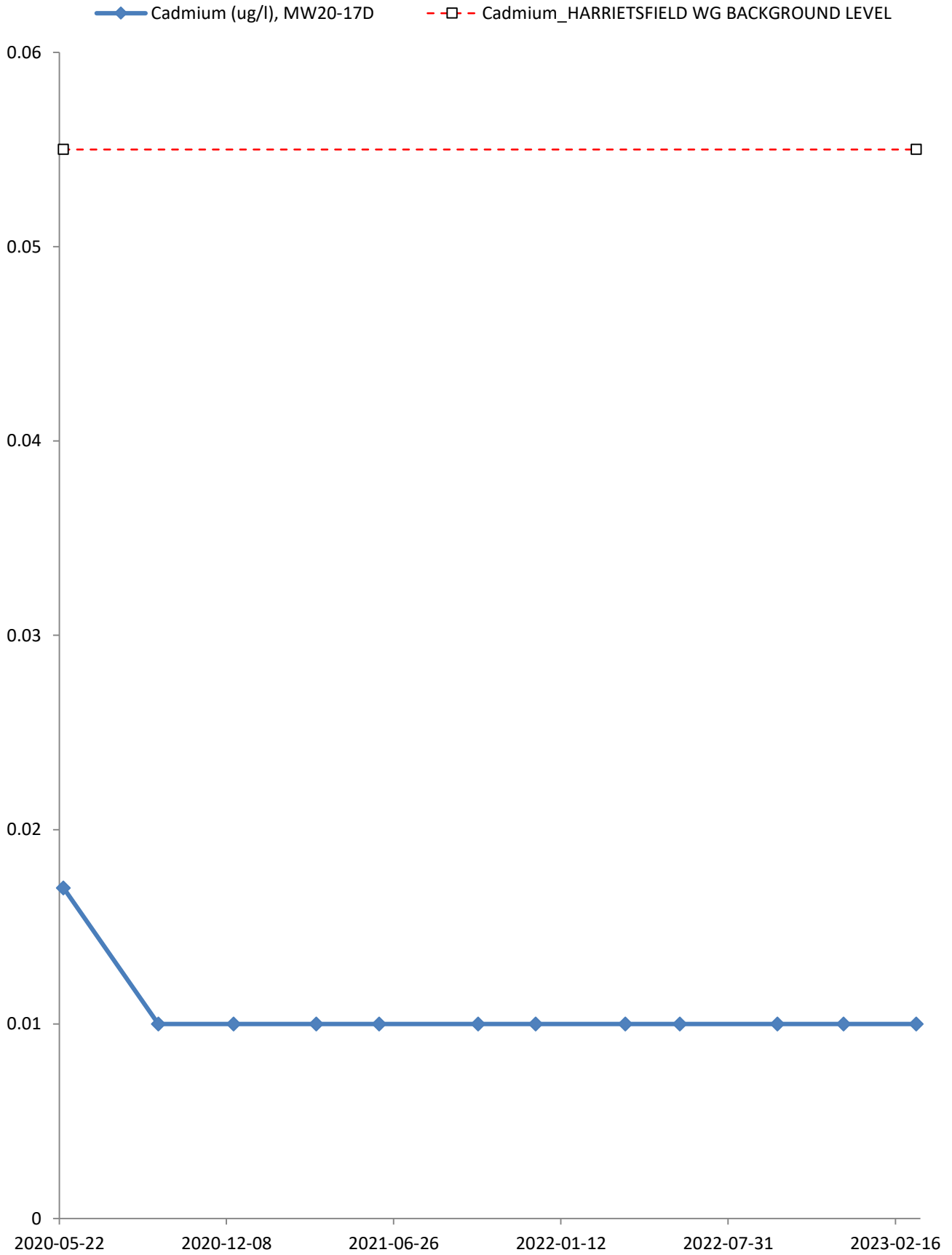


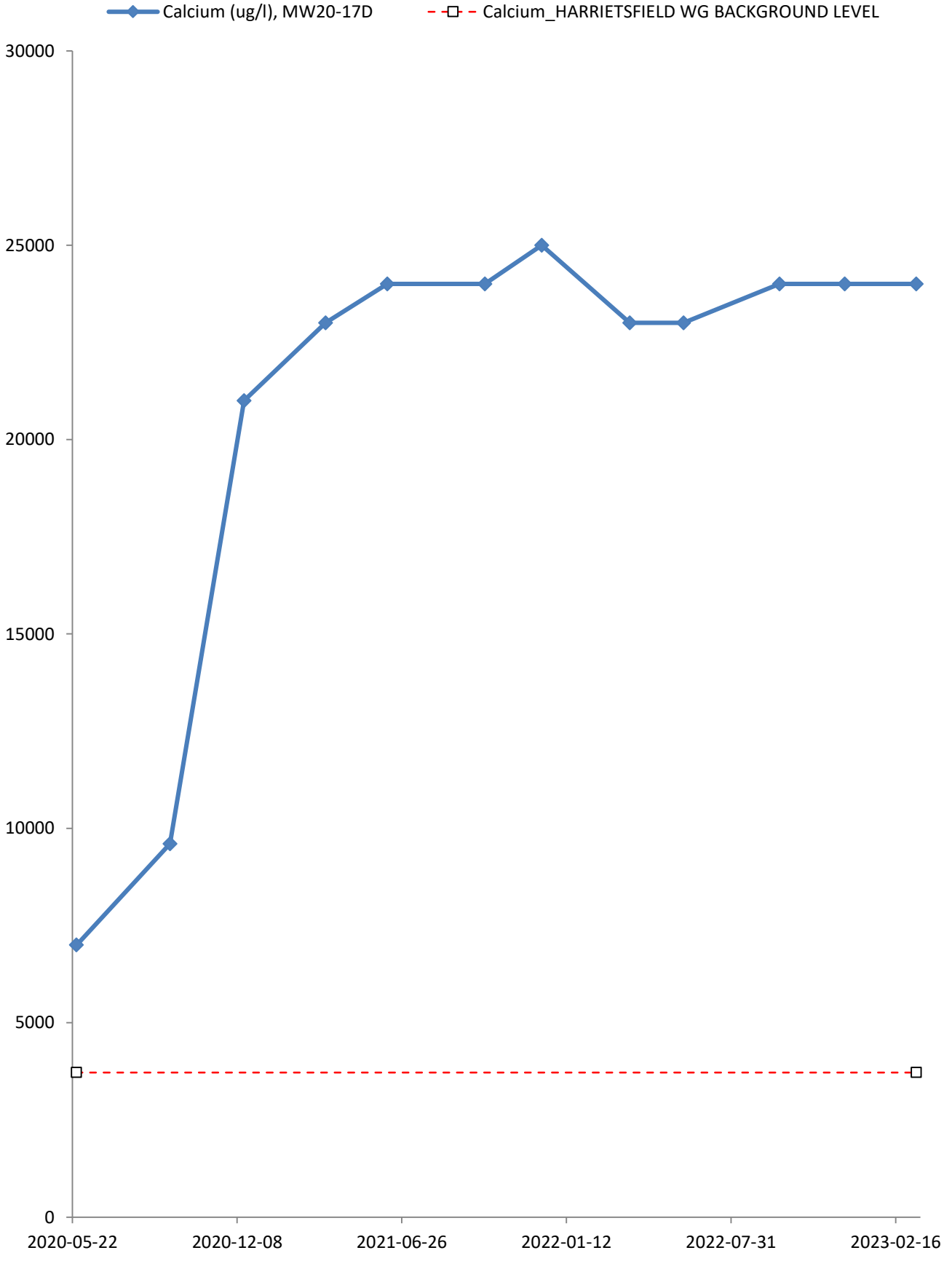




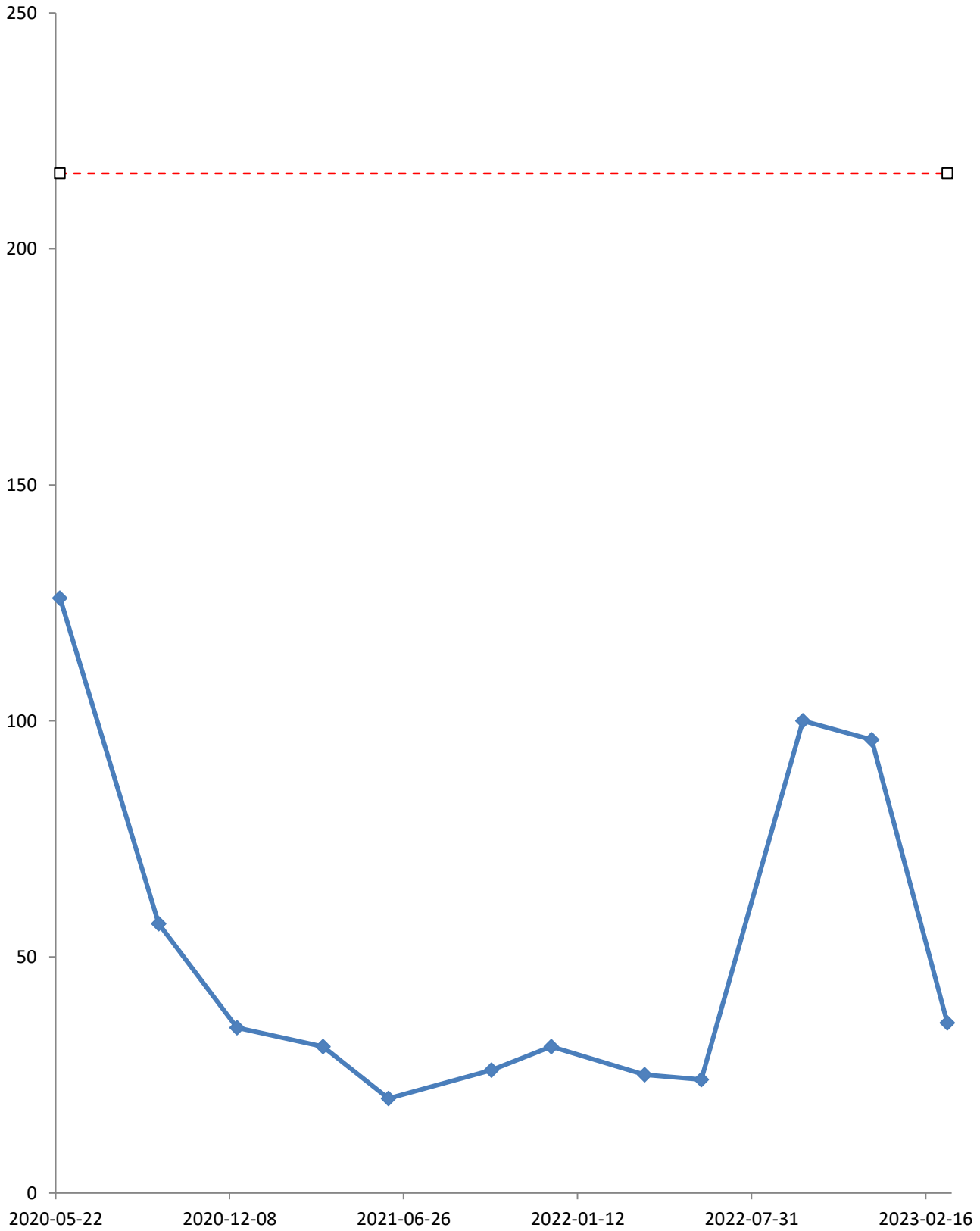


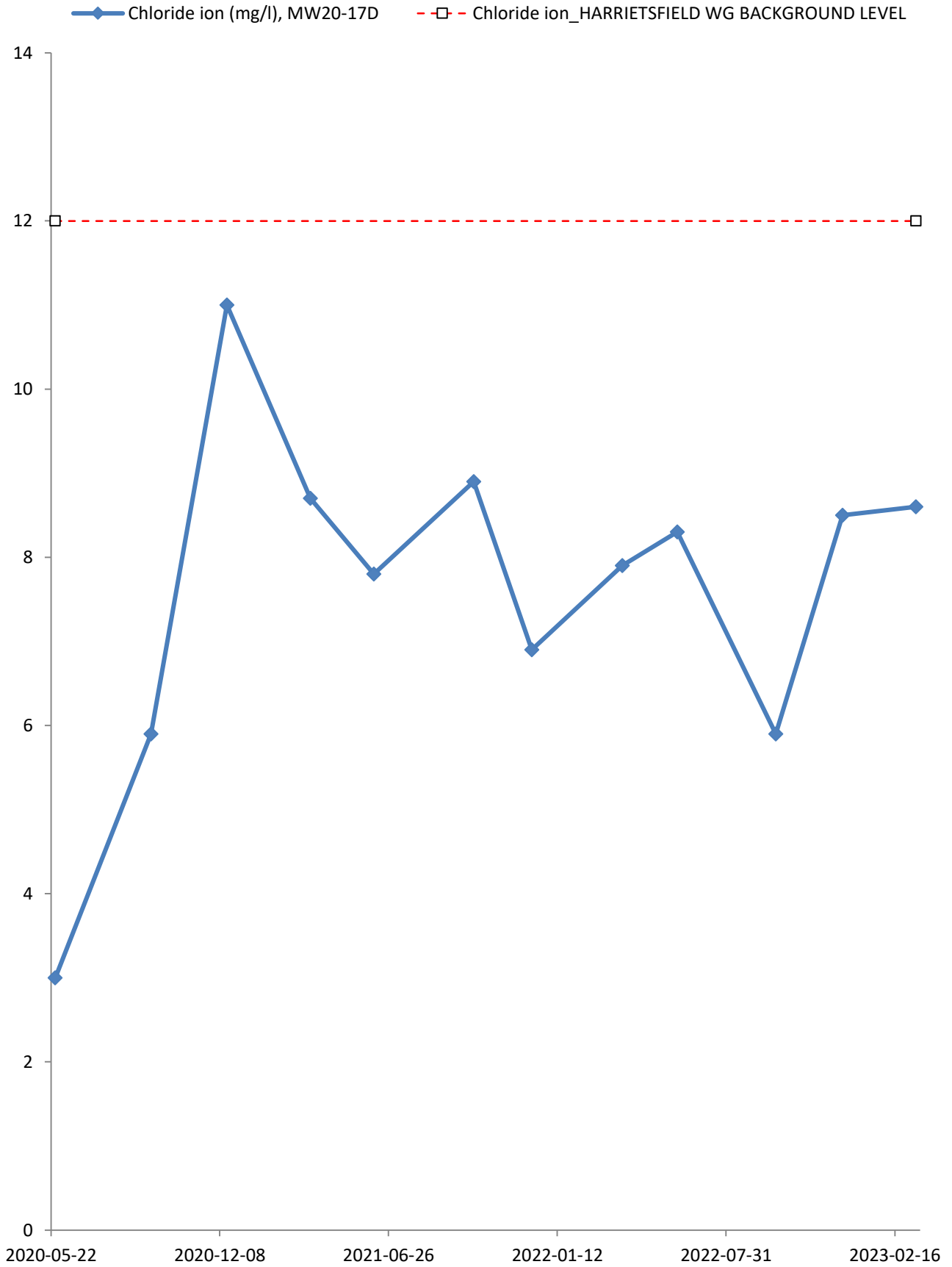


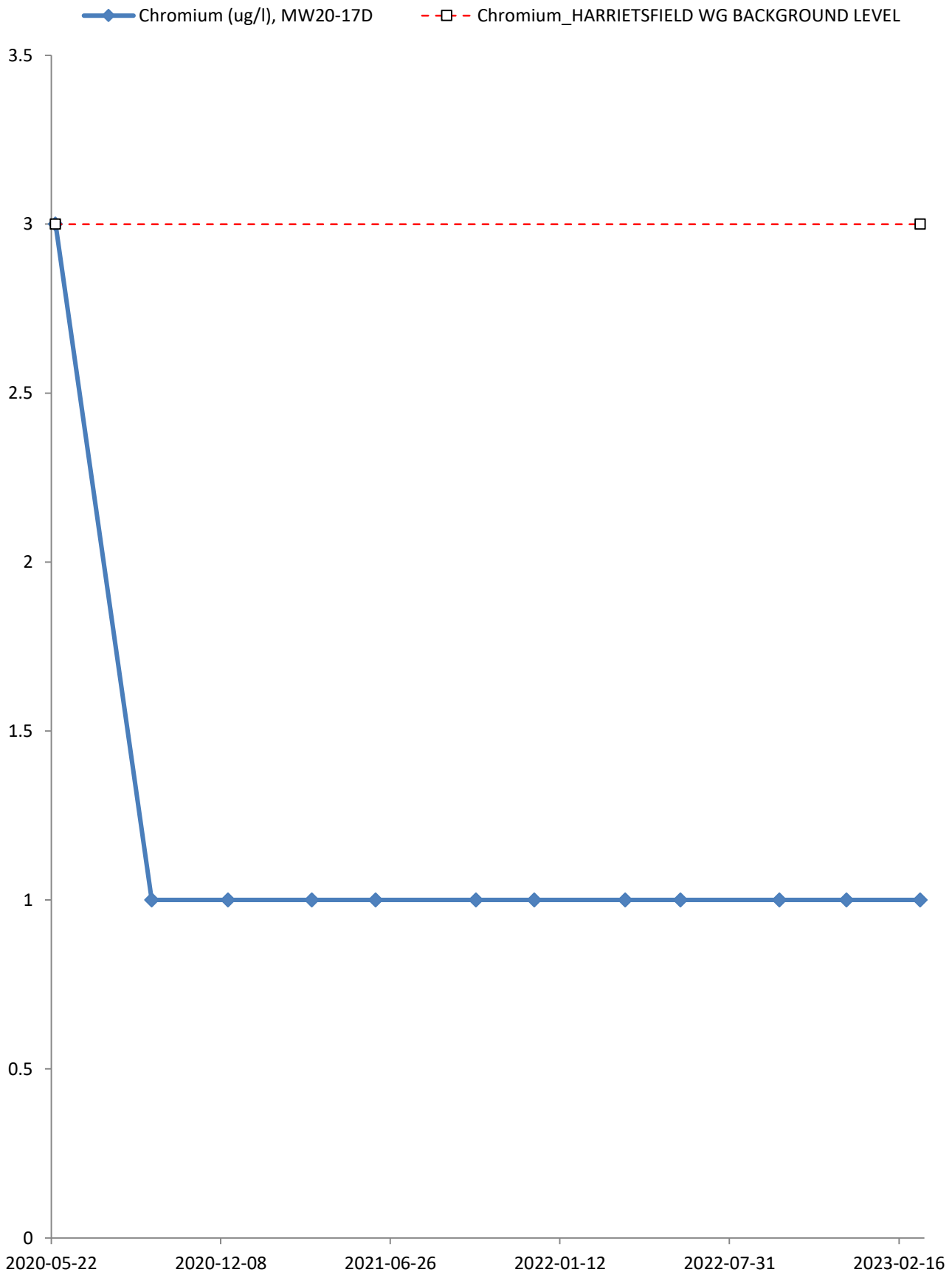


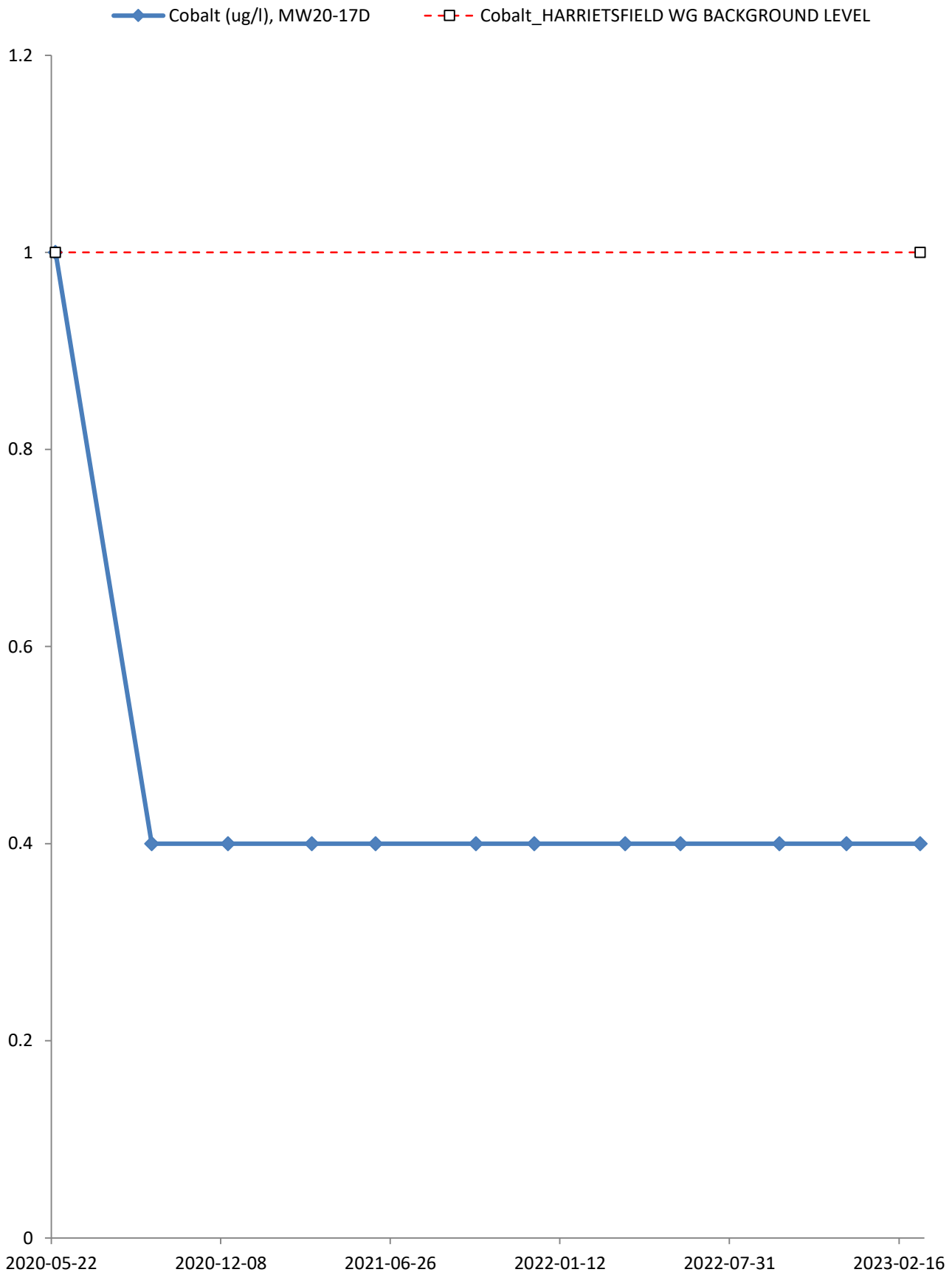


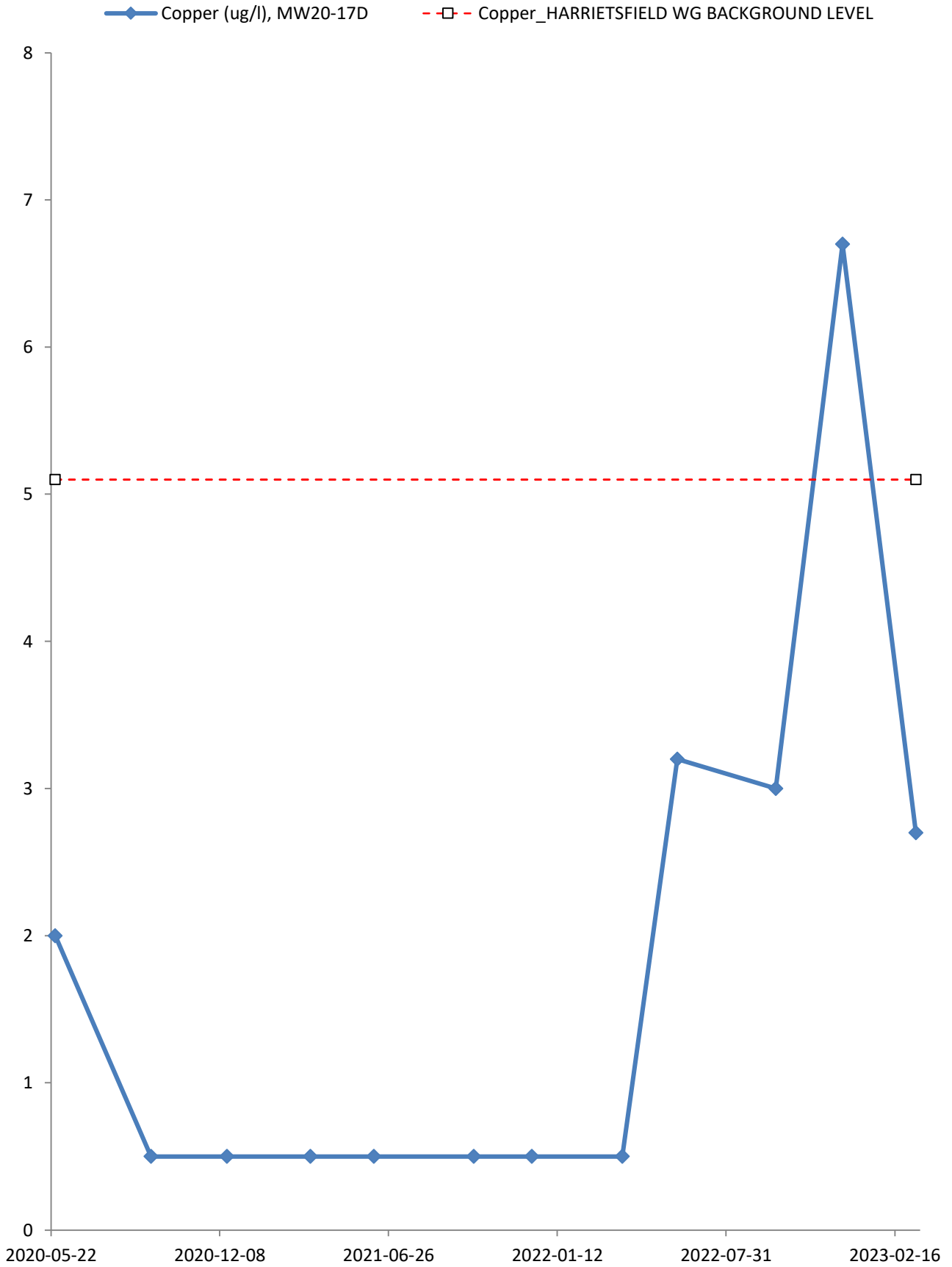
—◆— Chemical Oxygen Demand (mg/l), MW20-17D
- - □ - - Chemical Oxygen Demand_HARRIETSFIELD WG BACKGROUND LEVEL



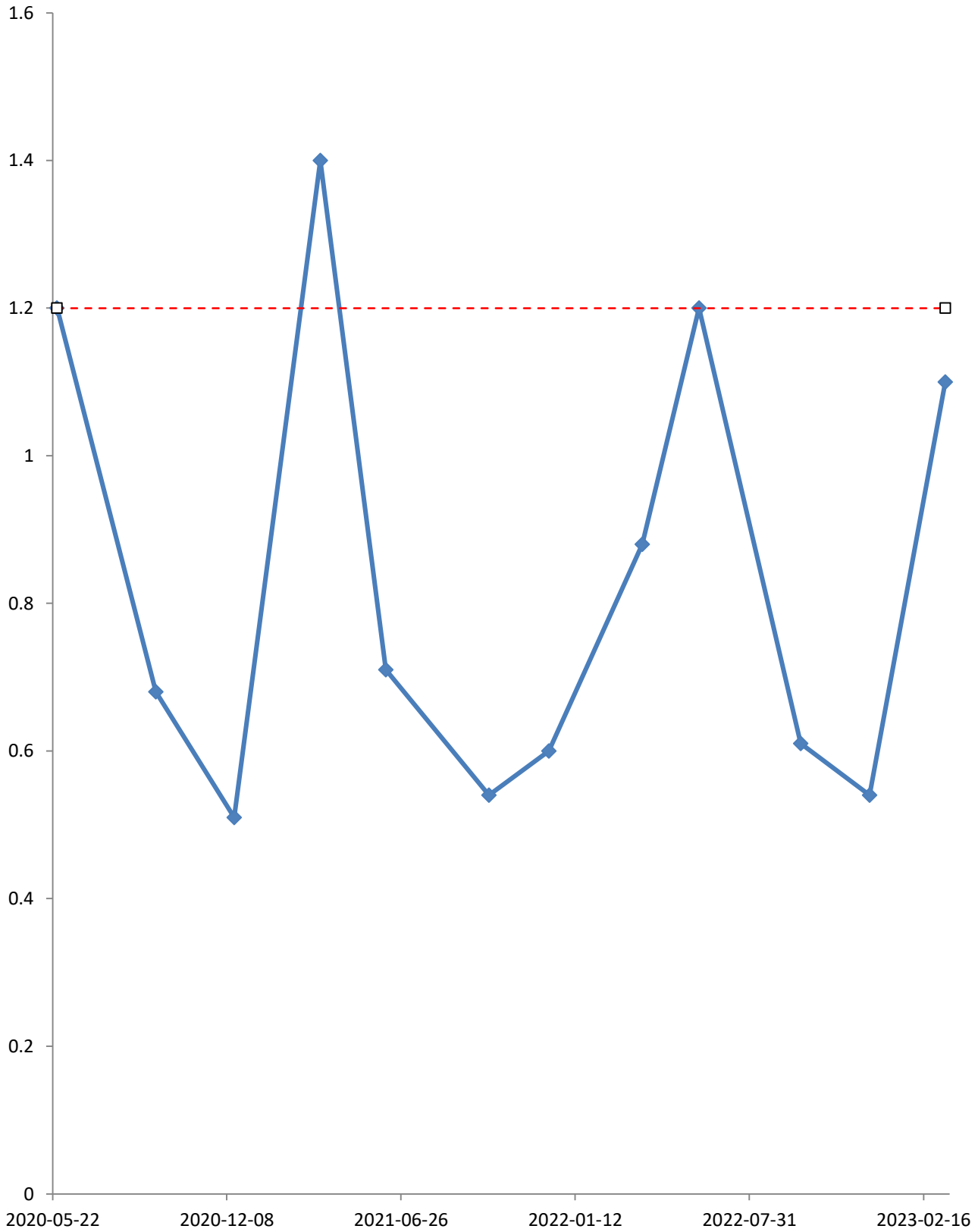




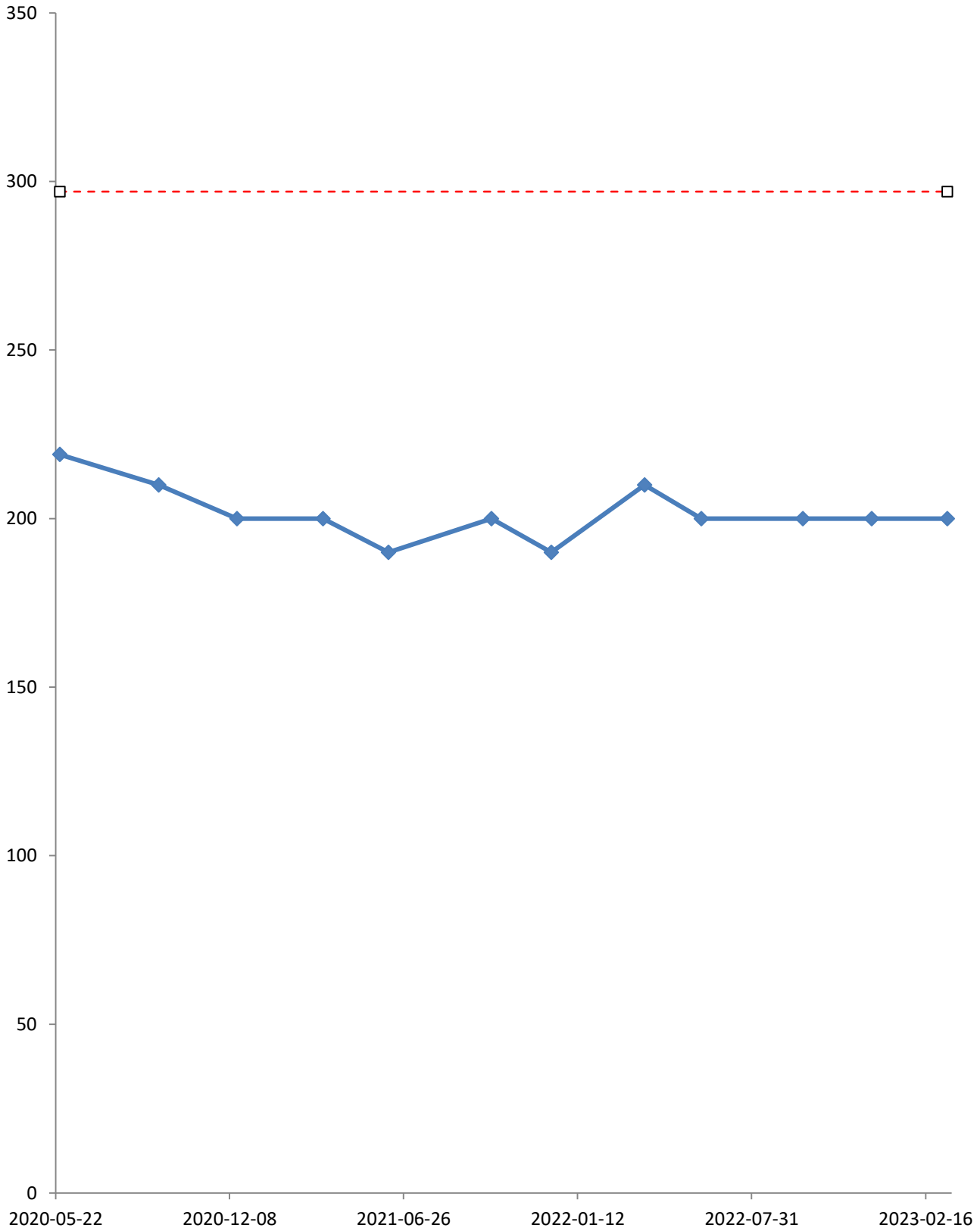


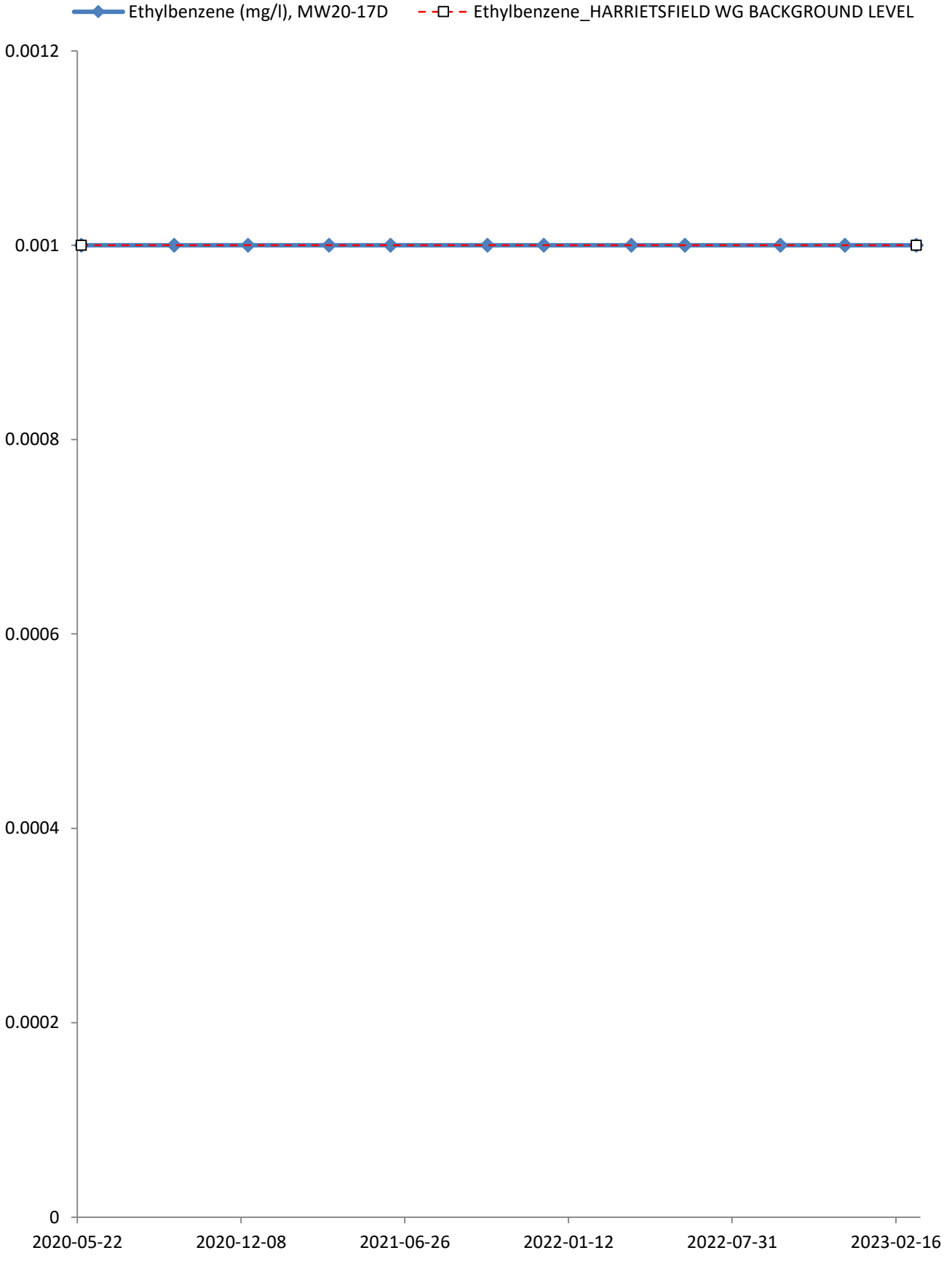


◆ Dissolved Organic Carbon (DOC) (mg/l), MW20-17D
-□- Dissolved Organic Carbon (DOC)_HARRIETSFIELD WG BACKGROUND LEVEL

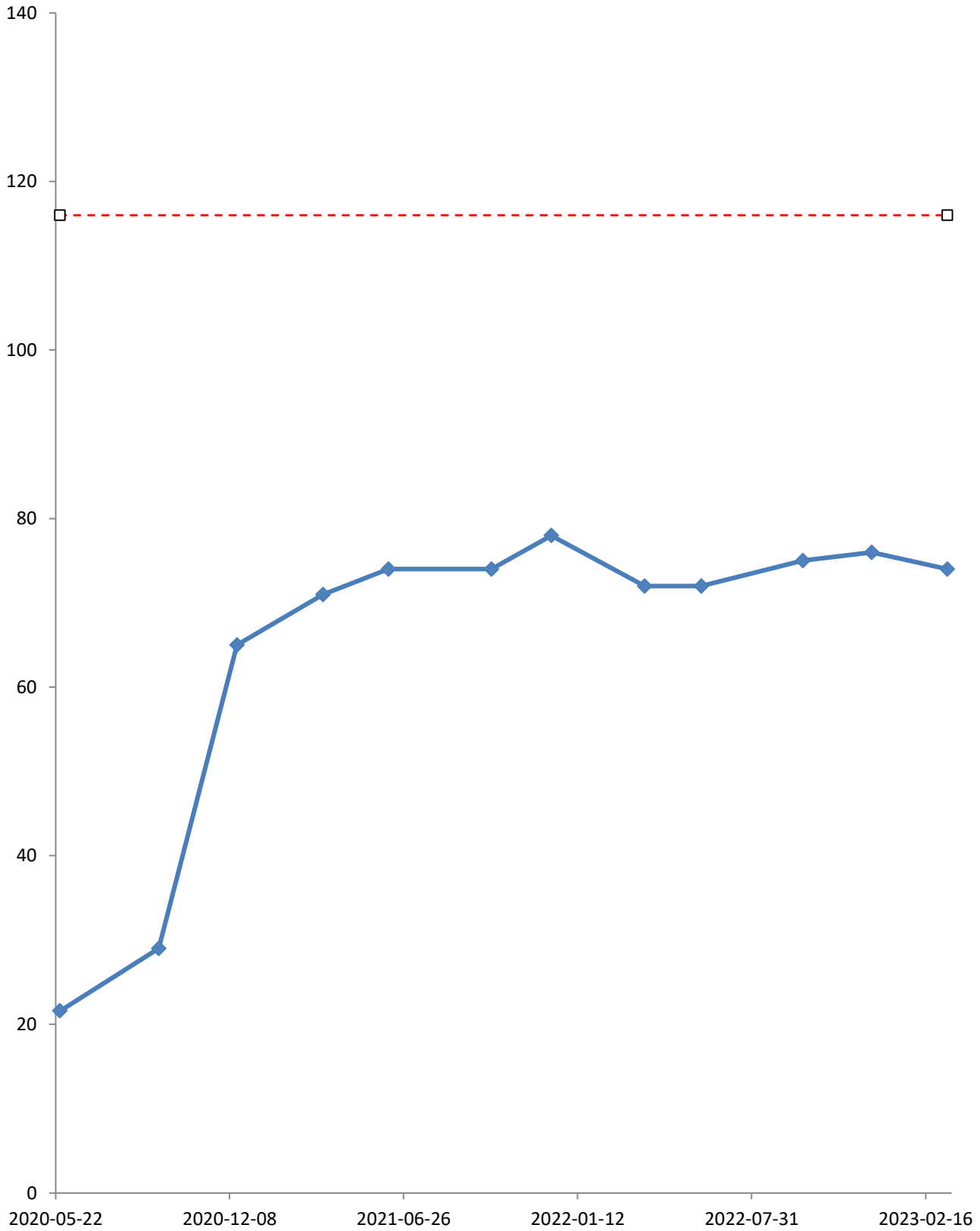


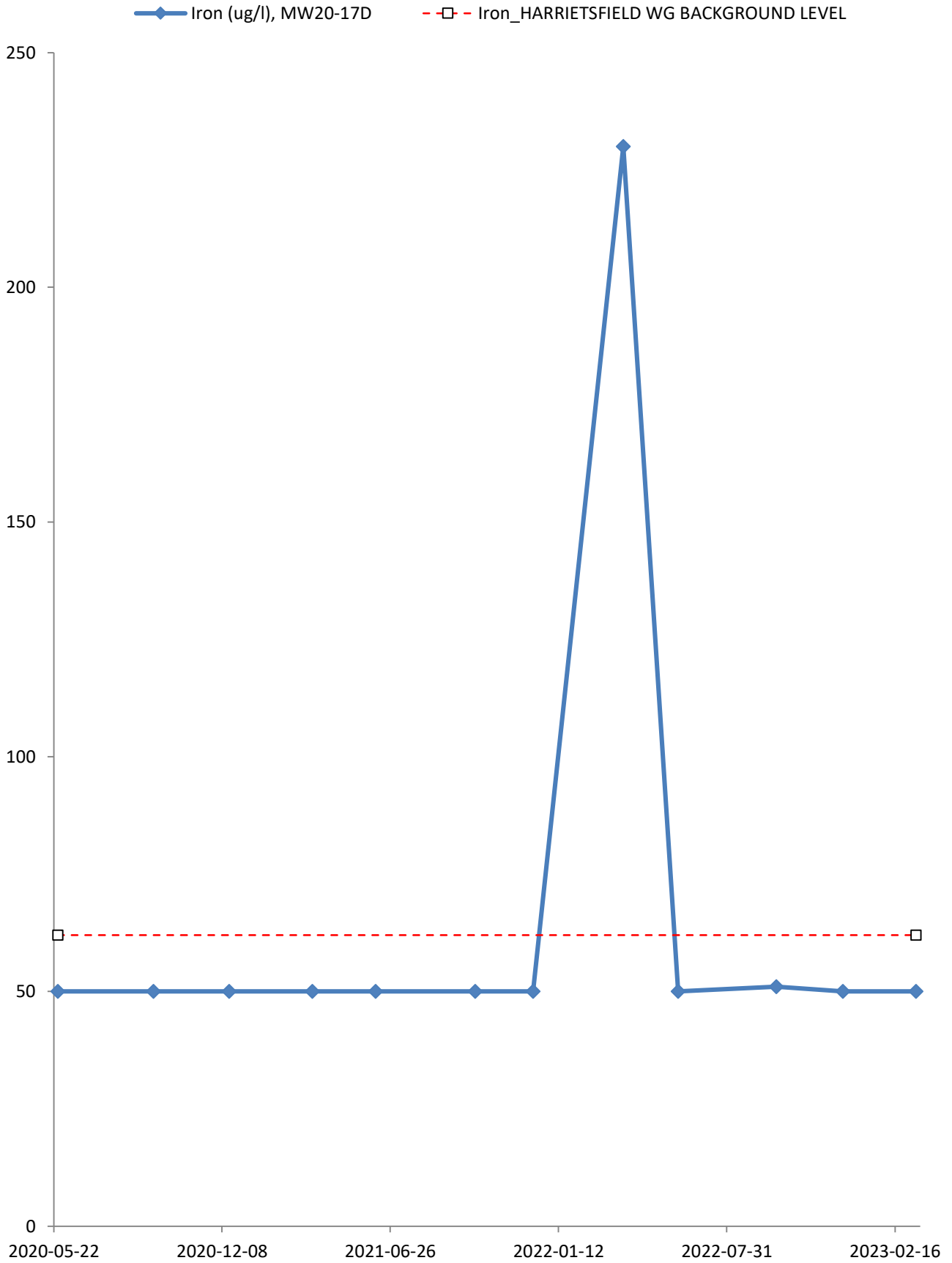
—◆— Electrical Conductivity (umhos/cm), MW20-17D
- -□- - Electrical Conductivity_HARRIETSFIELD WG BACKGROUND LEVEL

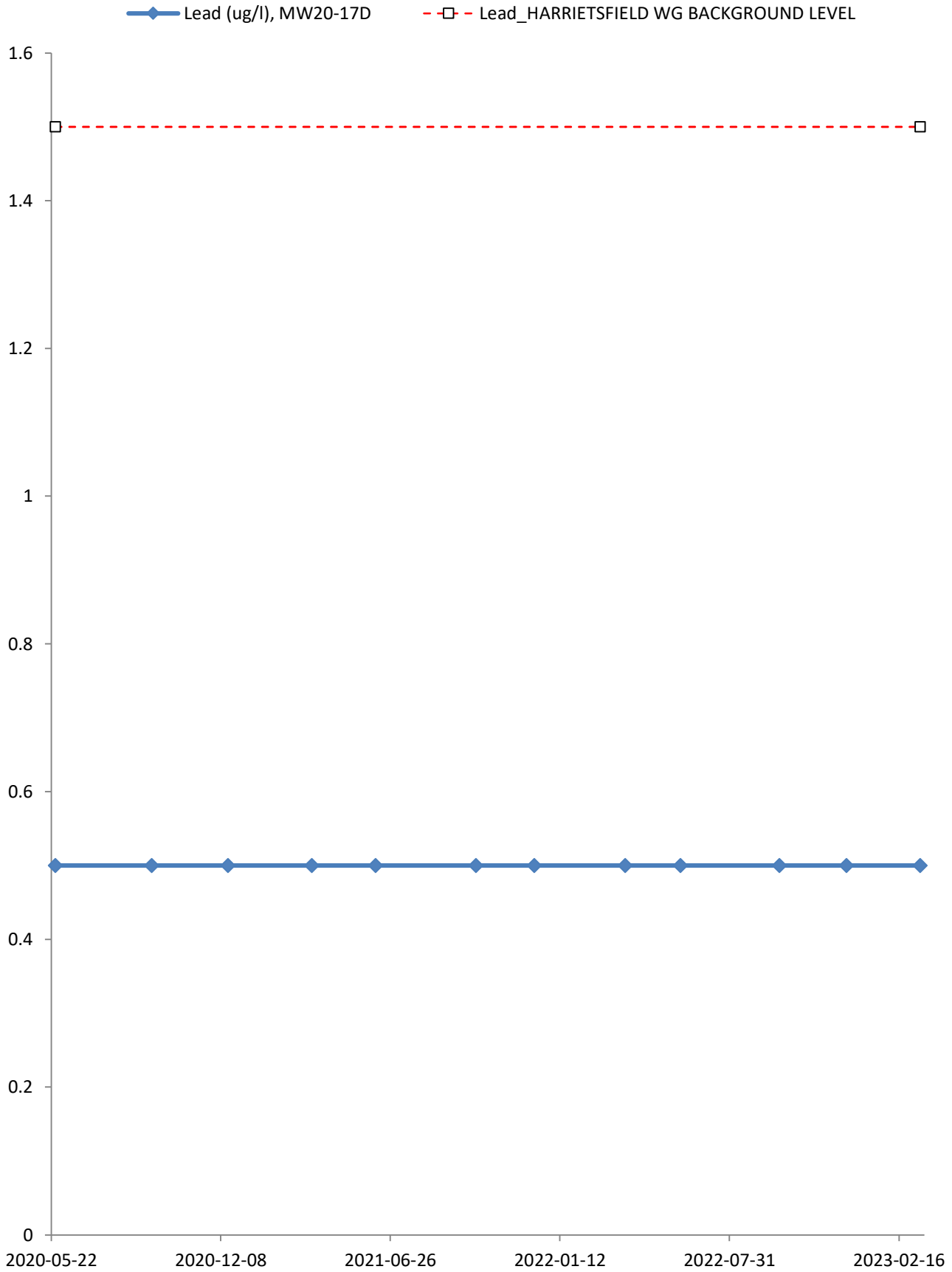


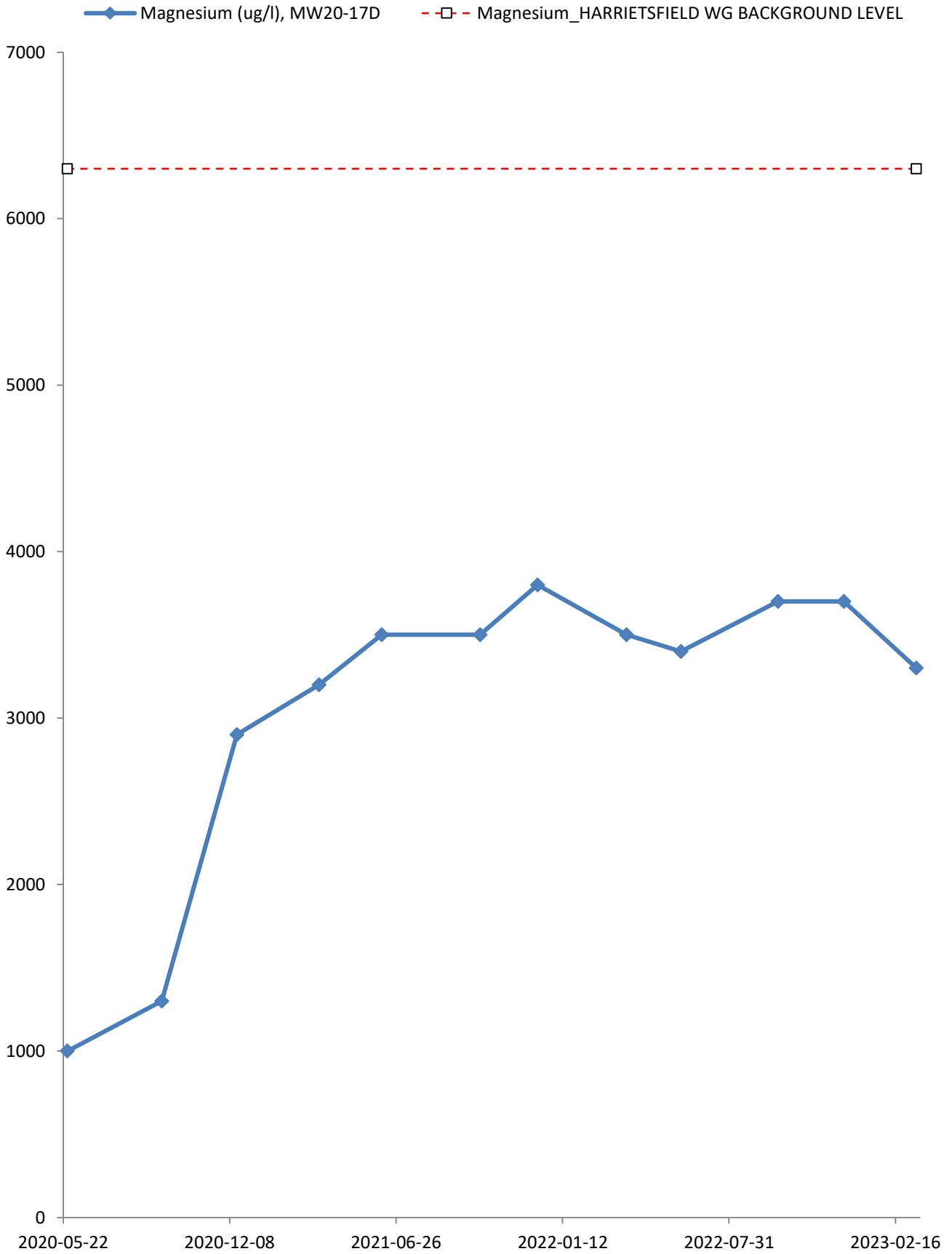


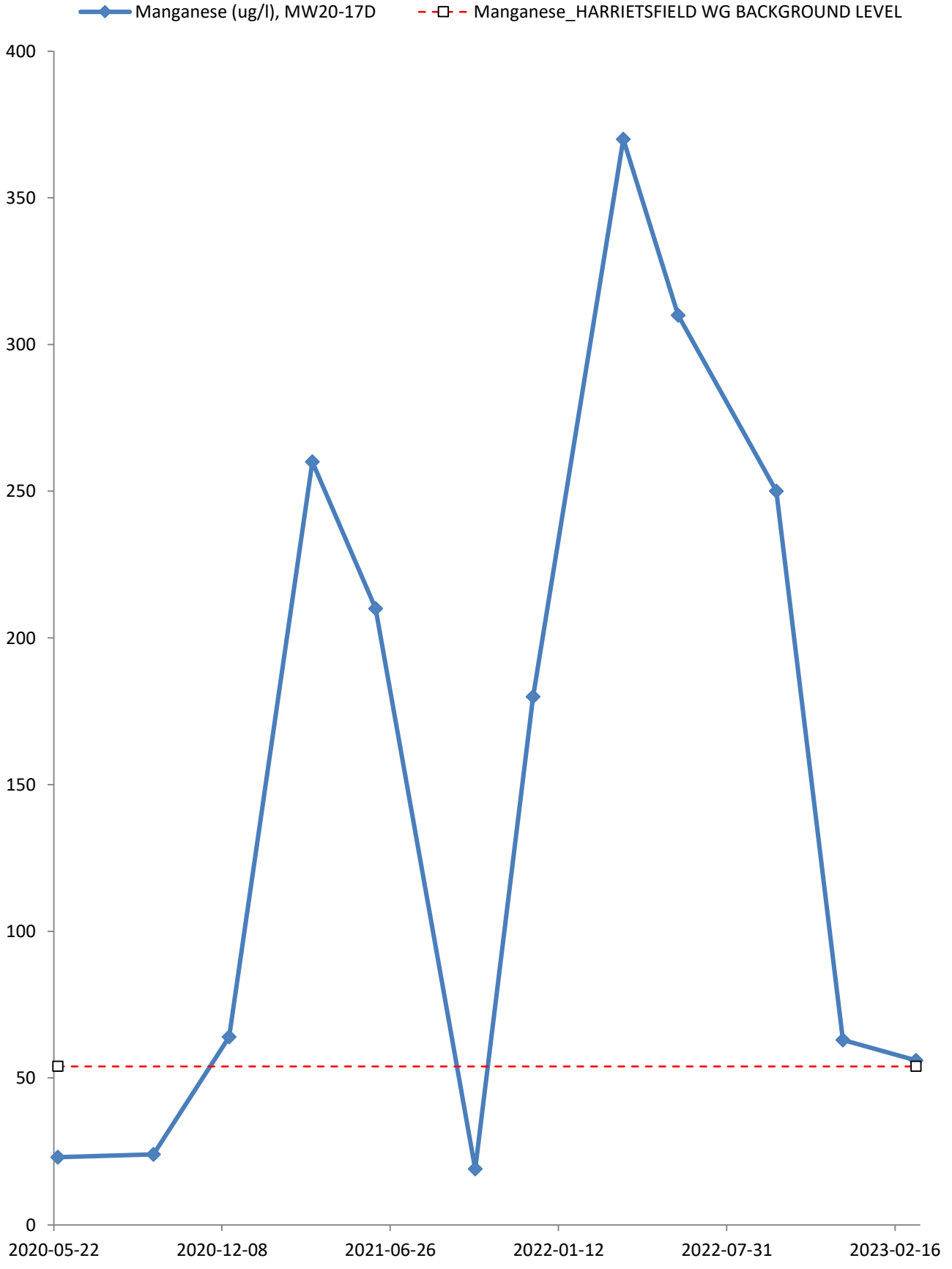
—◆— Hardness (as CaCO₃) (mg/l), MW20-17D
- -□- - Hardness (as CaCO₃)_HARRIETSFIELD WG BACKGROUND LEVEL





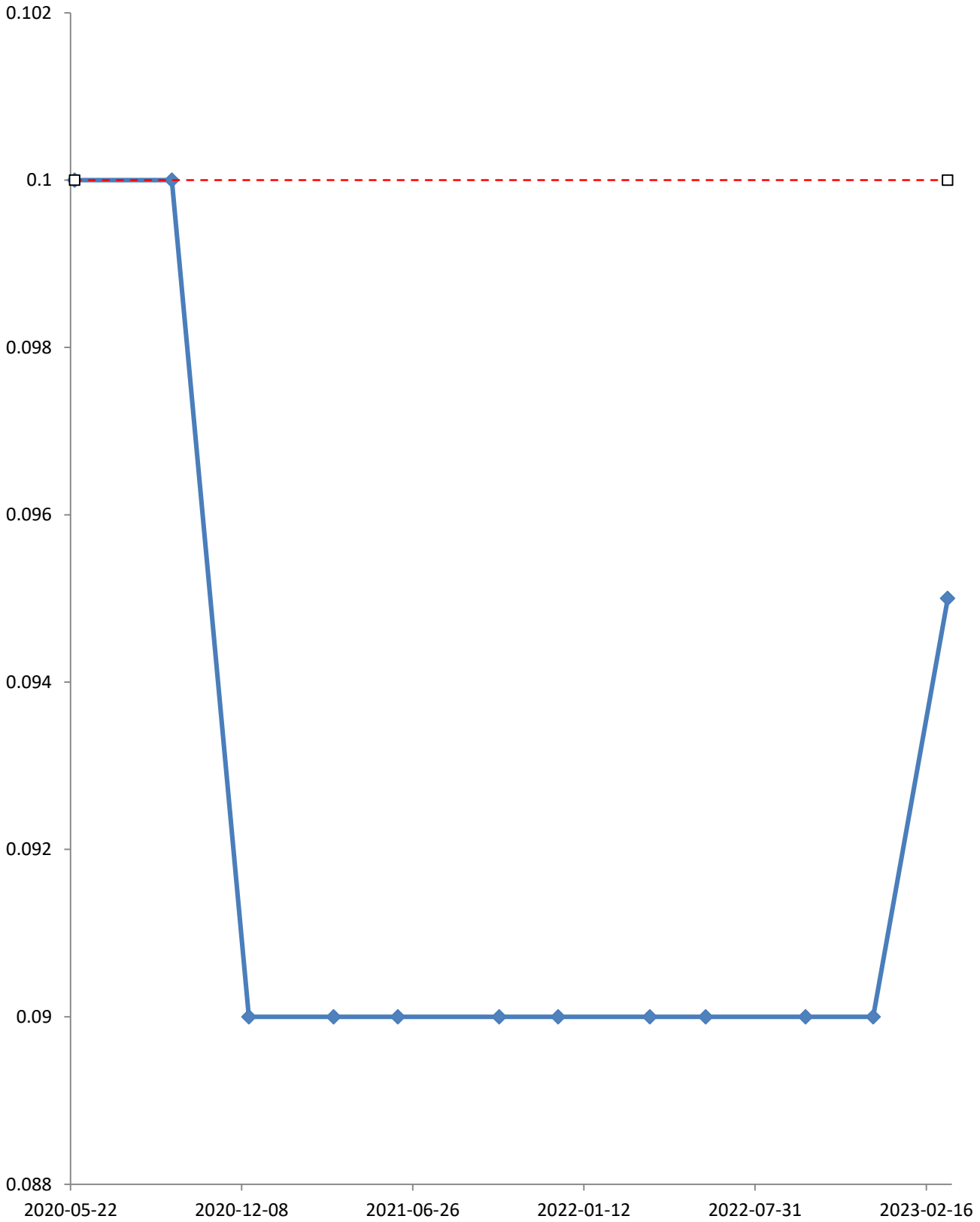


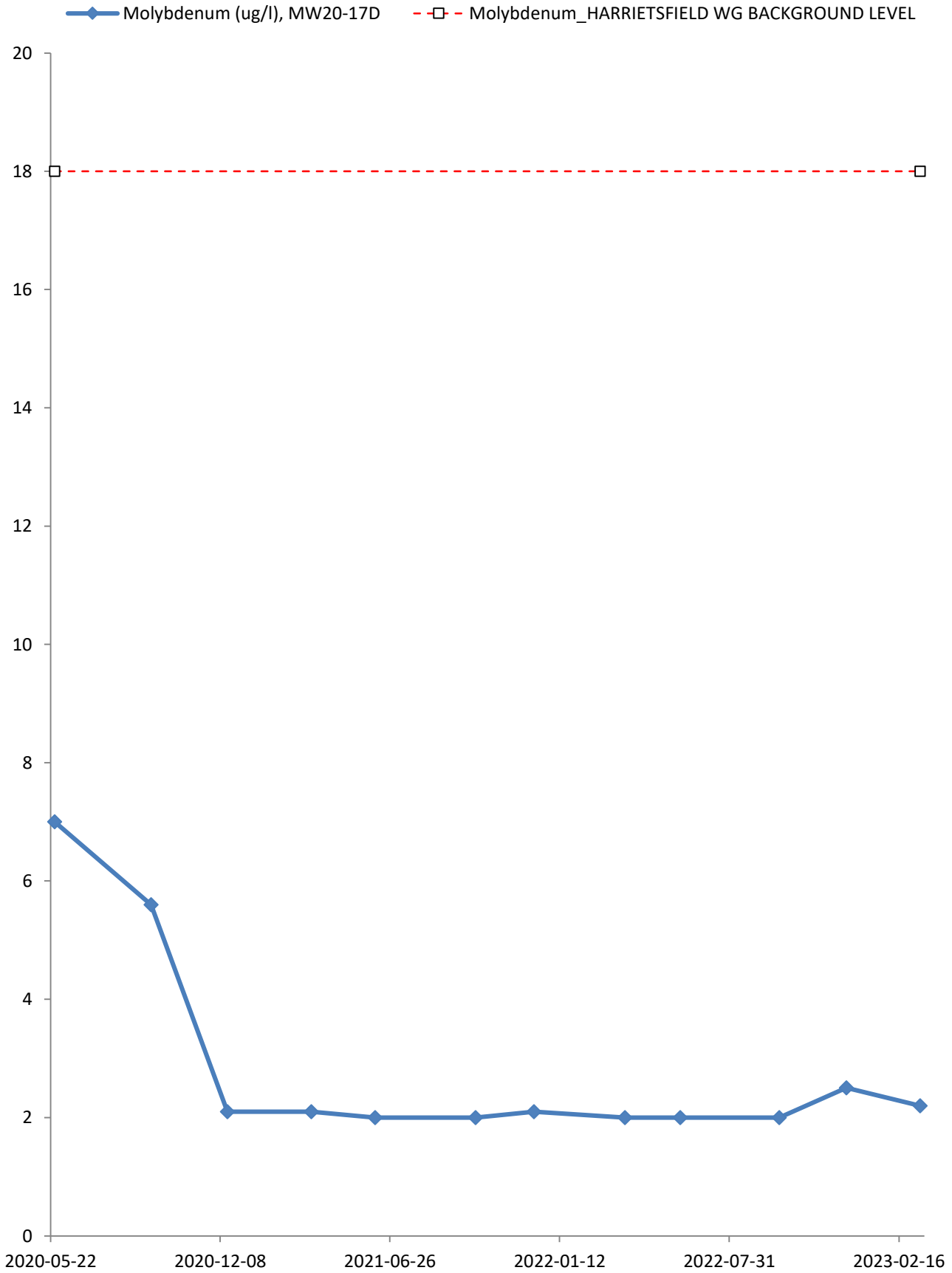


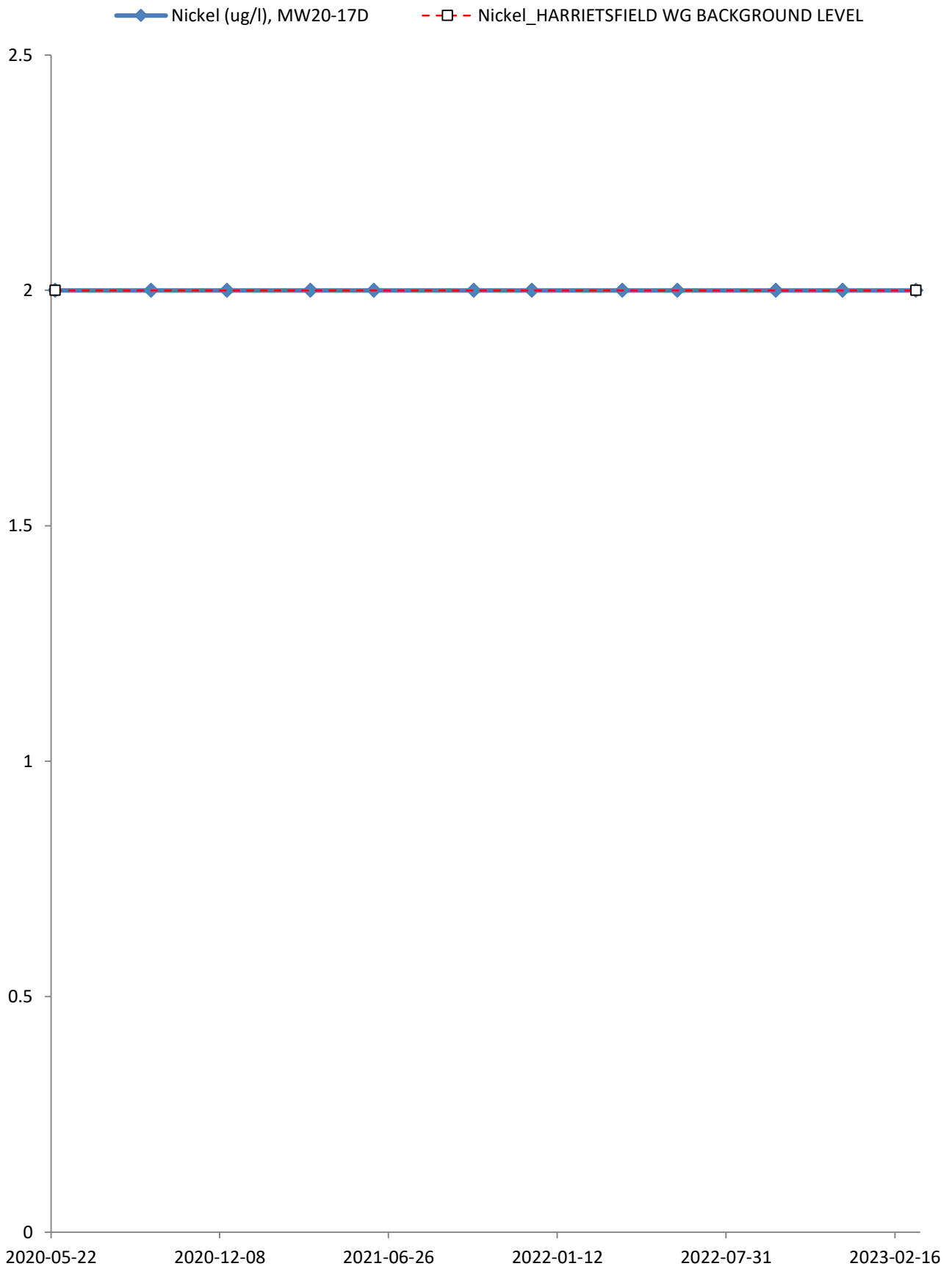


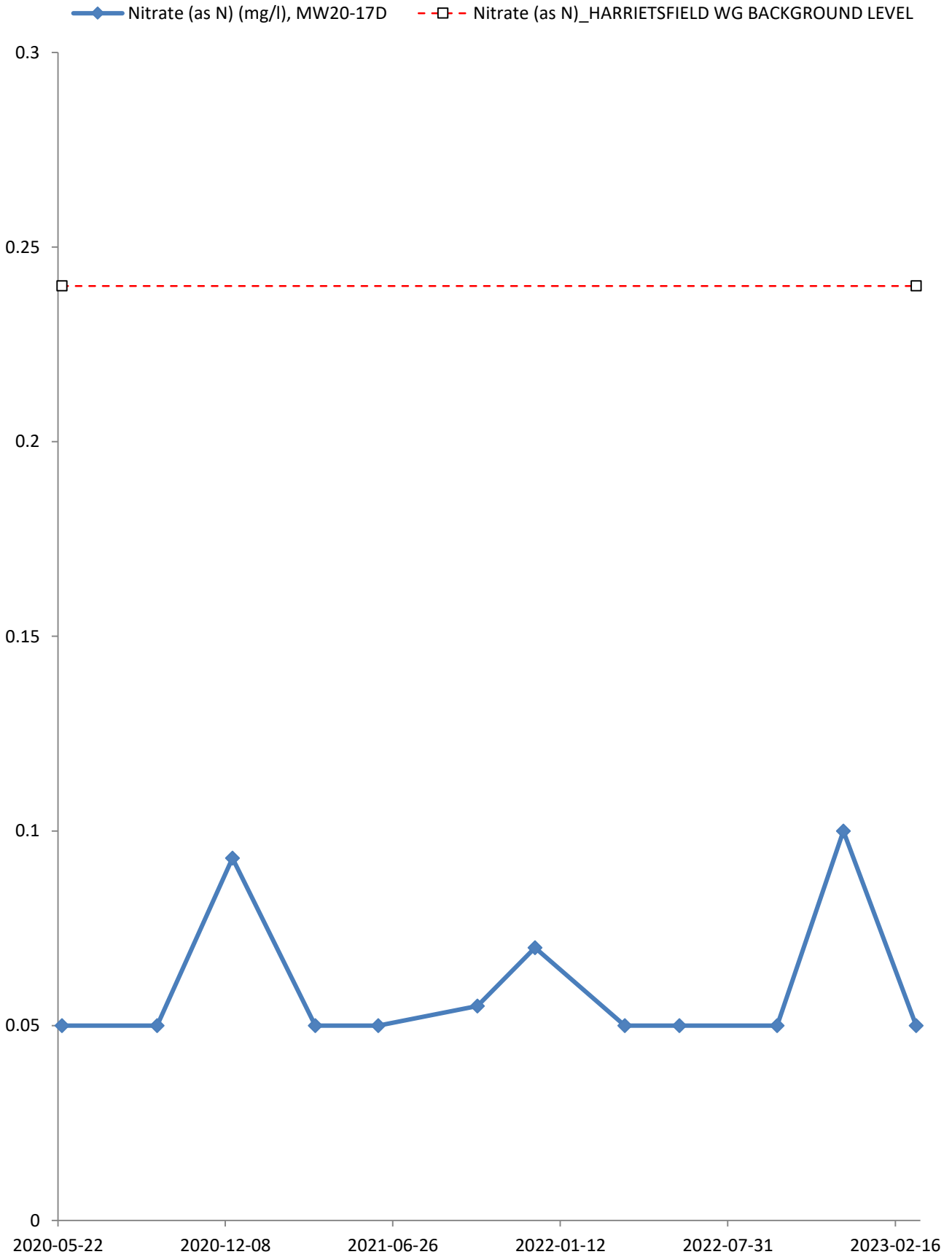


—◆— Modified TPH Tier 1 (mg/l), MW20-17D
- -□- - Modified TPH Tier 1_HARRIETSFIELD WG BACKGROUND LEVEL

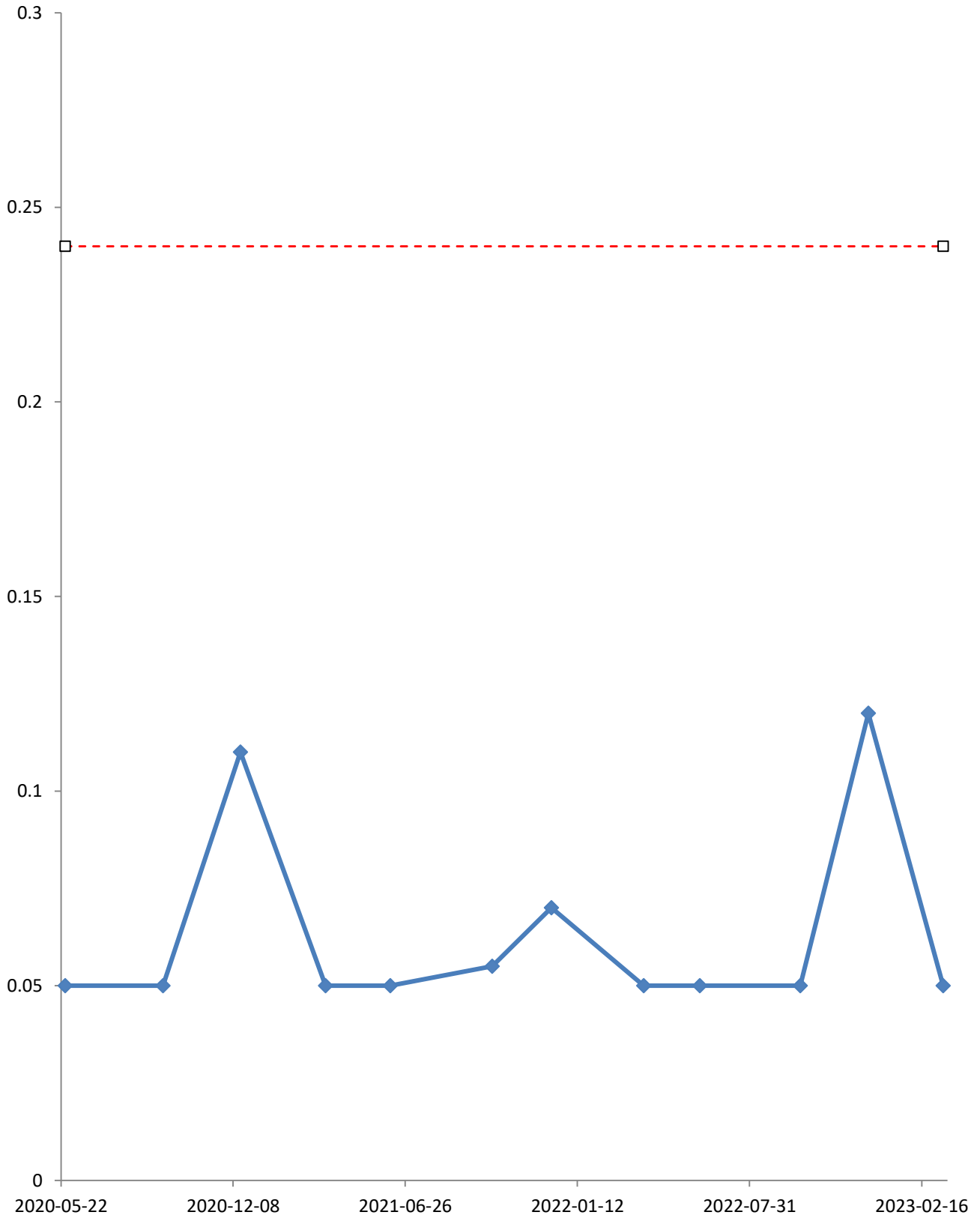


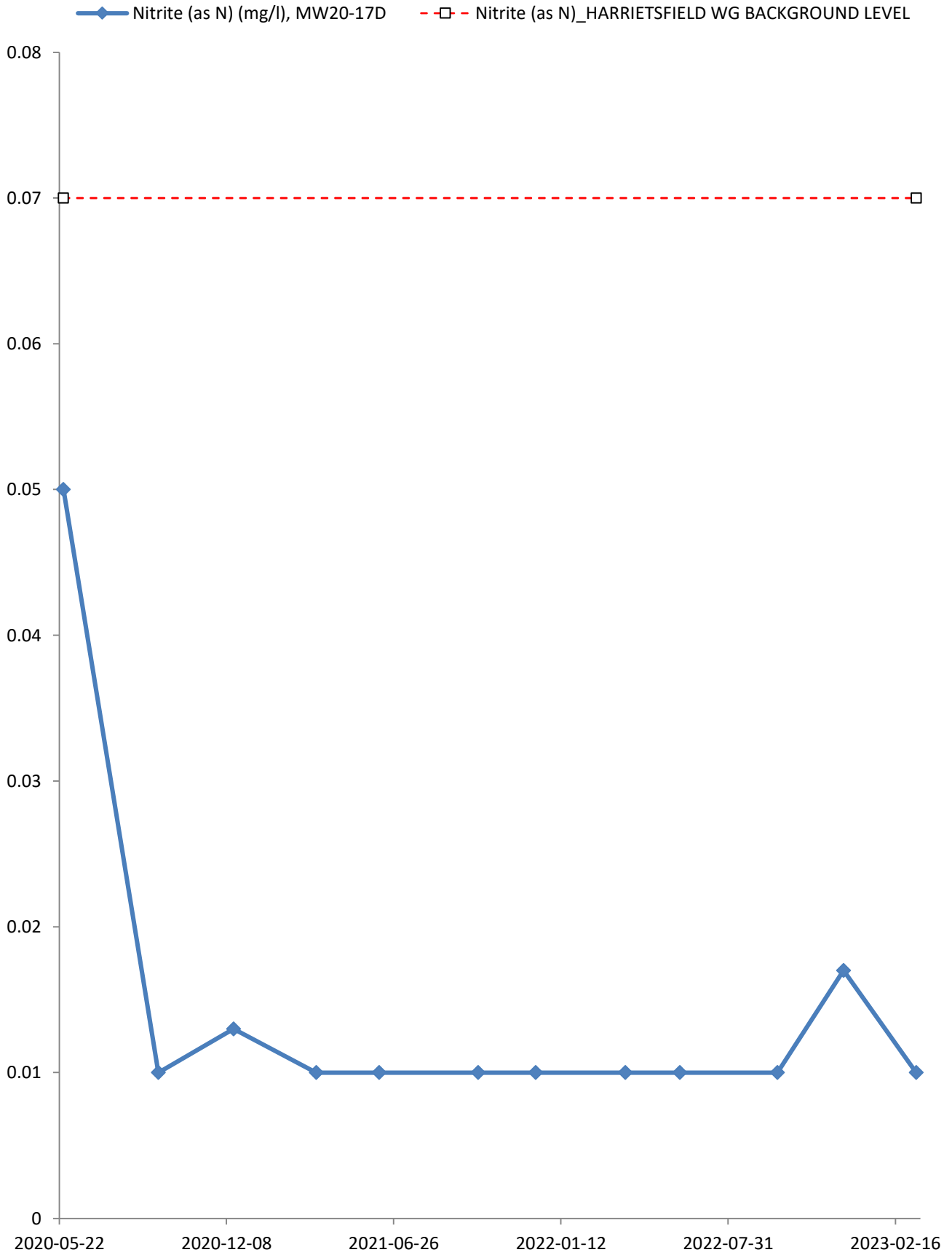




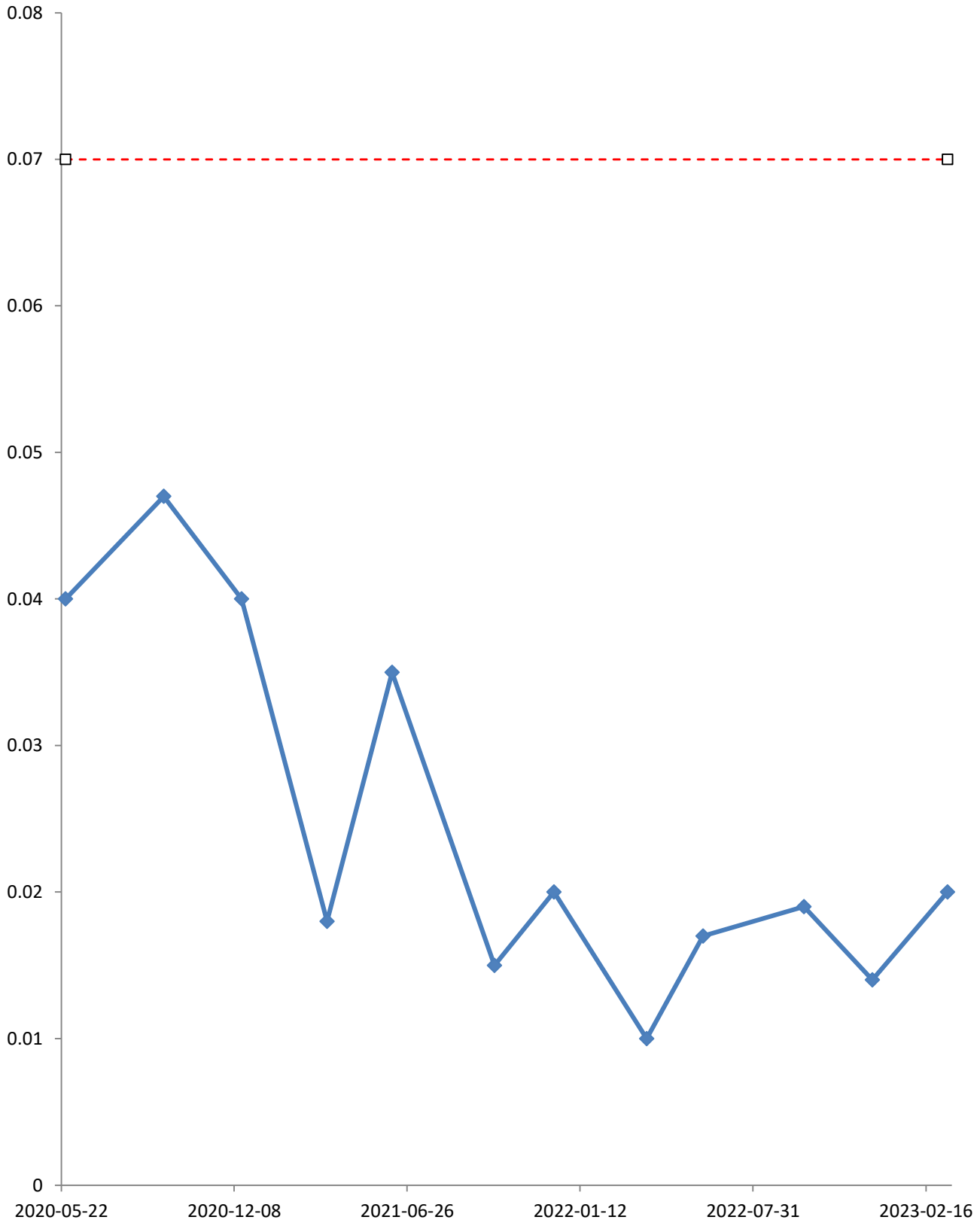


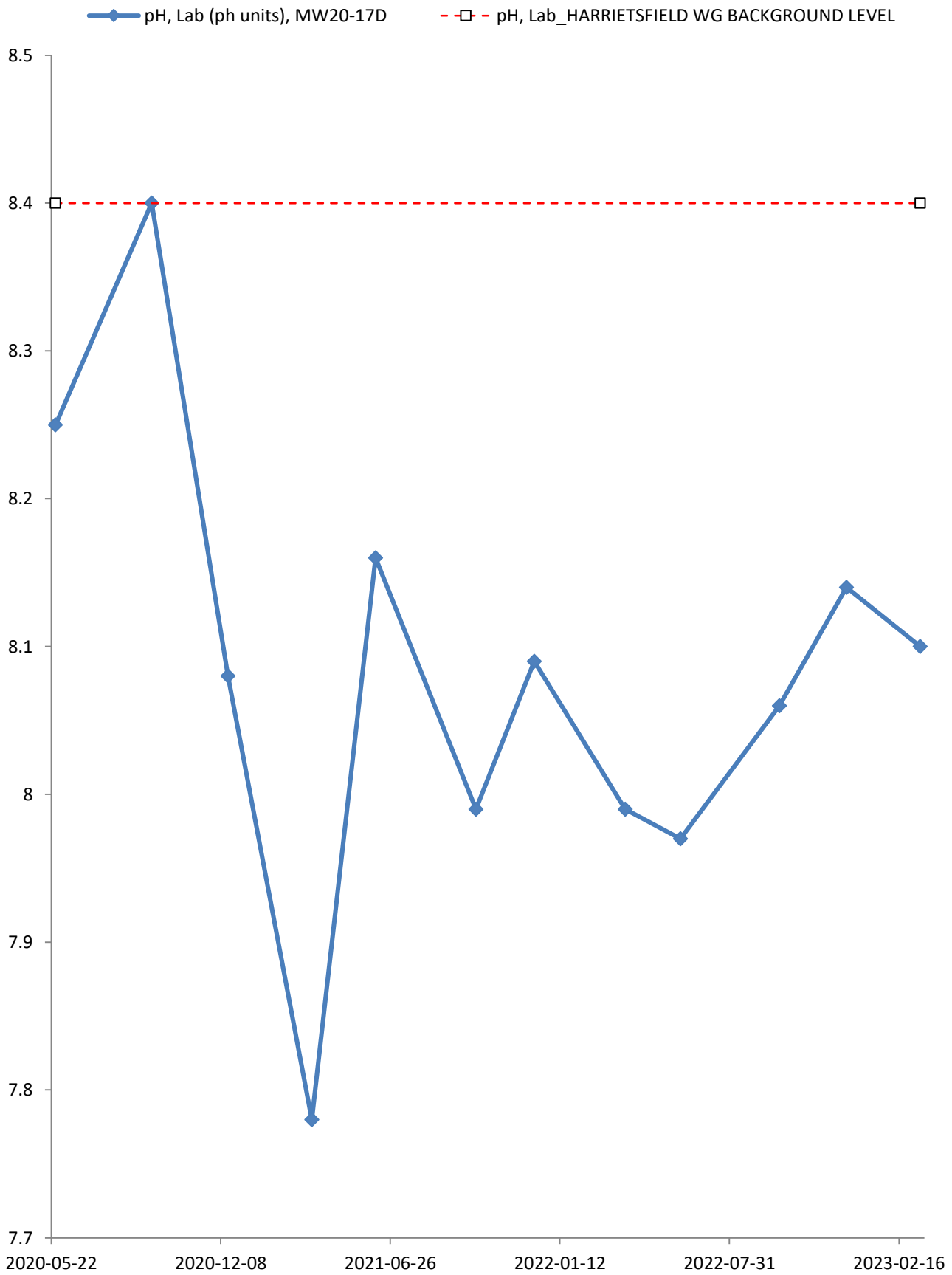
—◆— Nitrate plus Nitrite (N) (mg/l), MW20-17D
- -□- - Nitrate plus Nitrite (N)_HARRIETSFIELD WG BACKGROUND LEVEL

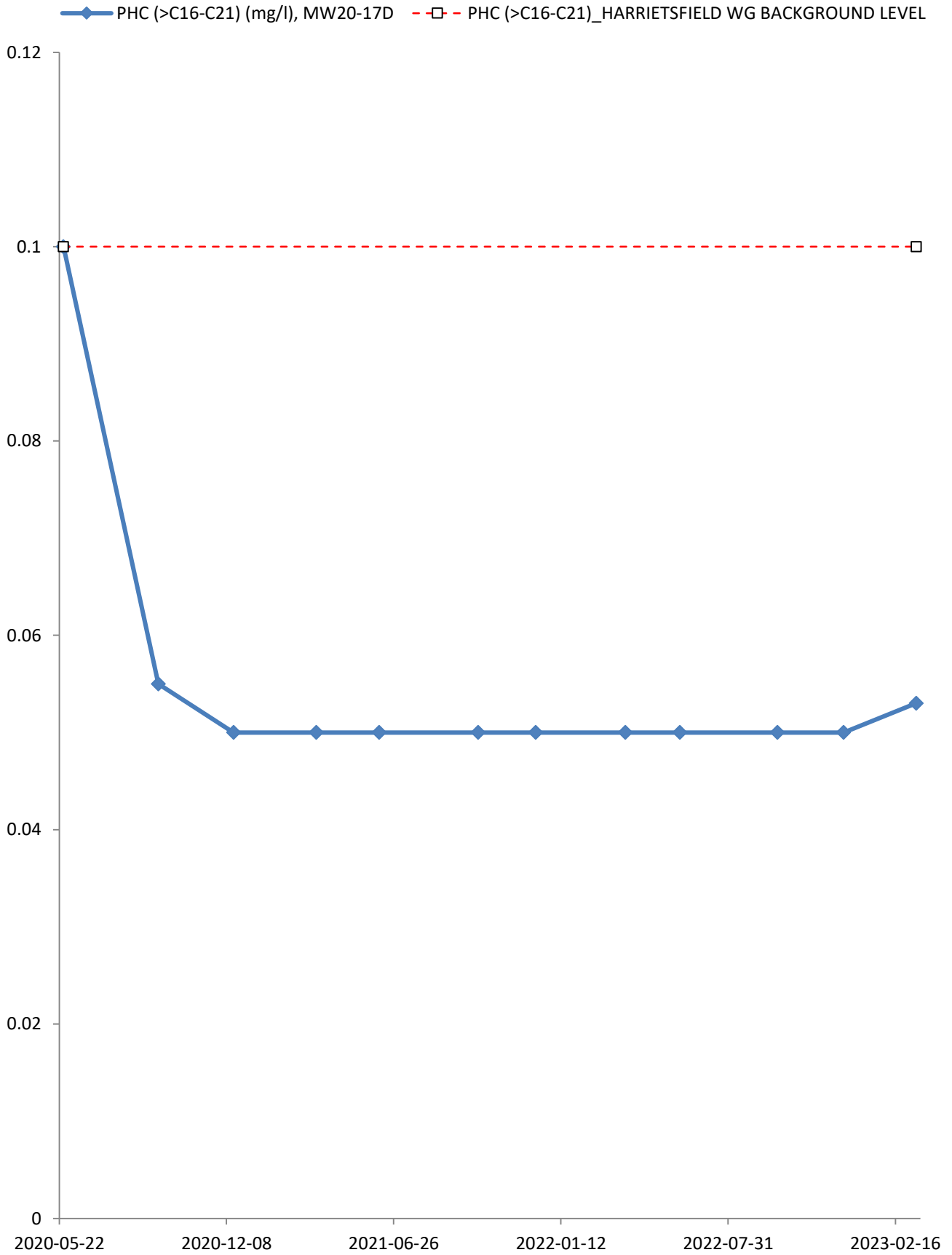


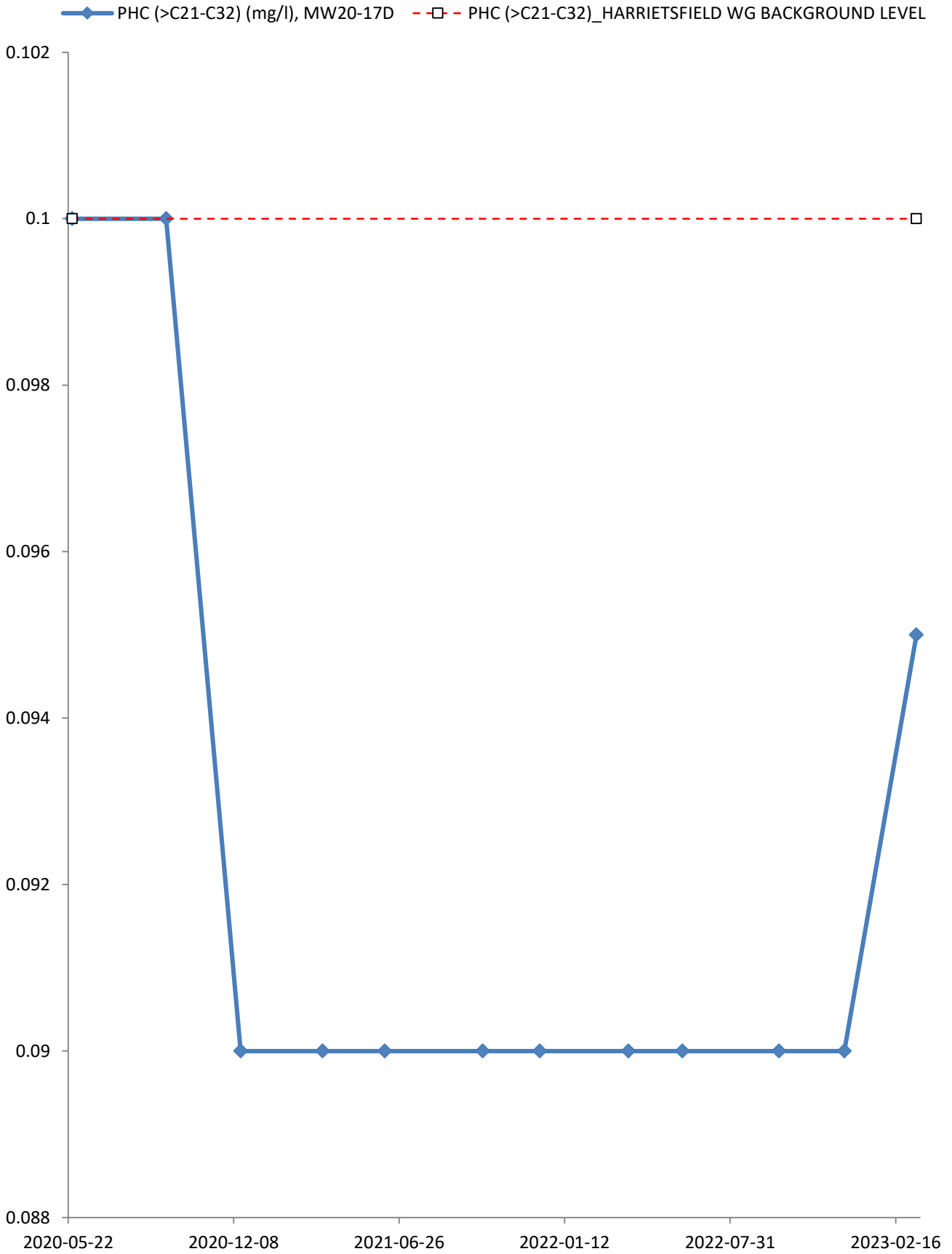


- ◆— Orthophosphate(as P) (mg/l), MW20-17D
- -□- - Orthophosphate(as P)_HARRIETSFIELD WG BACKGROUND LEVEL

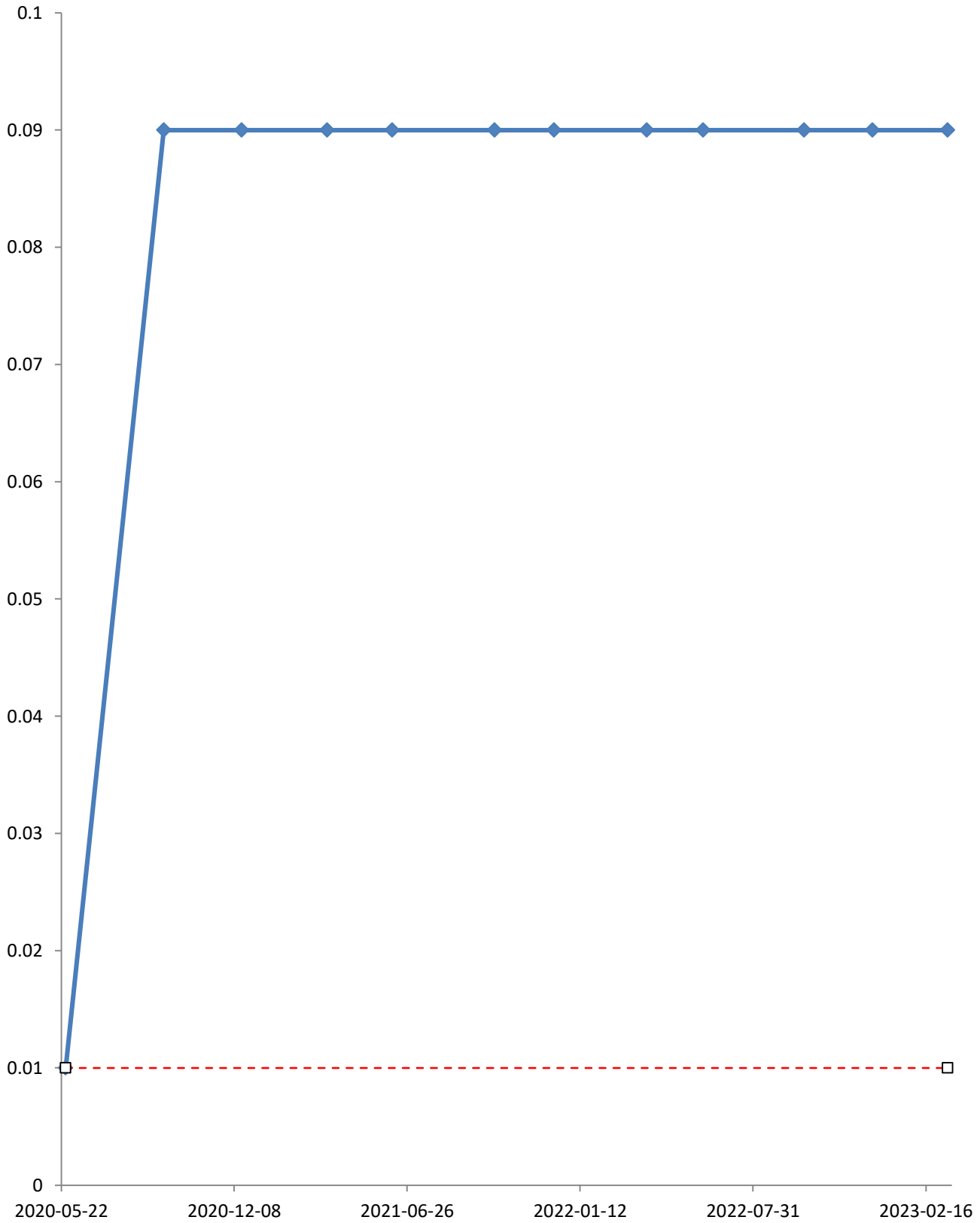




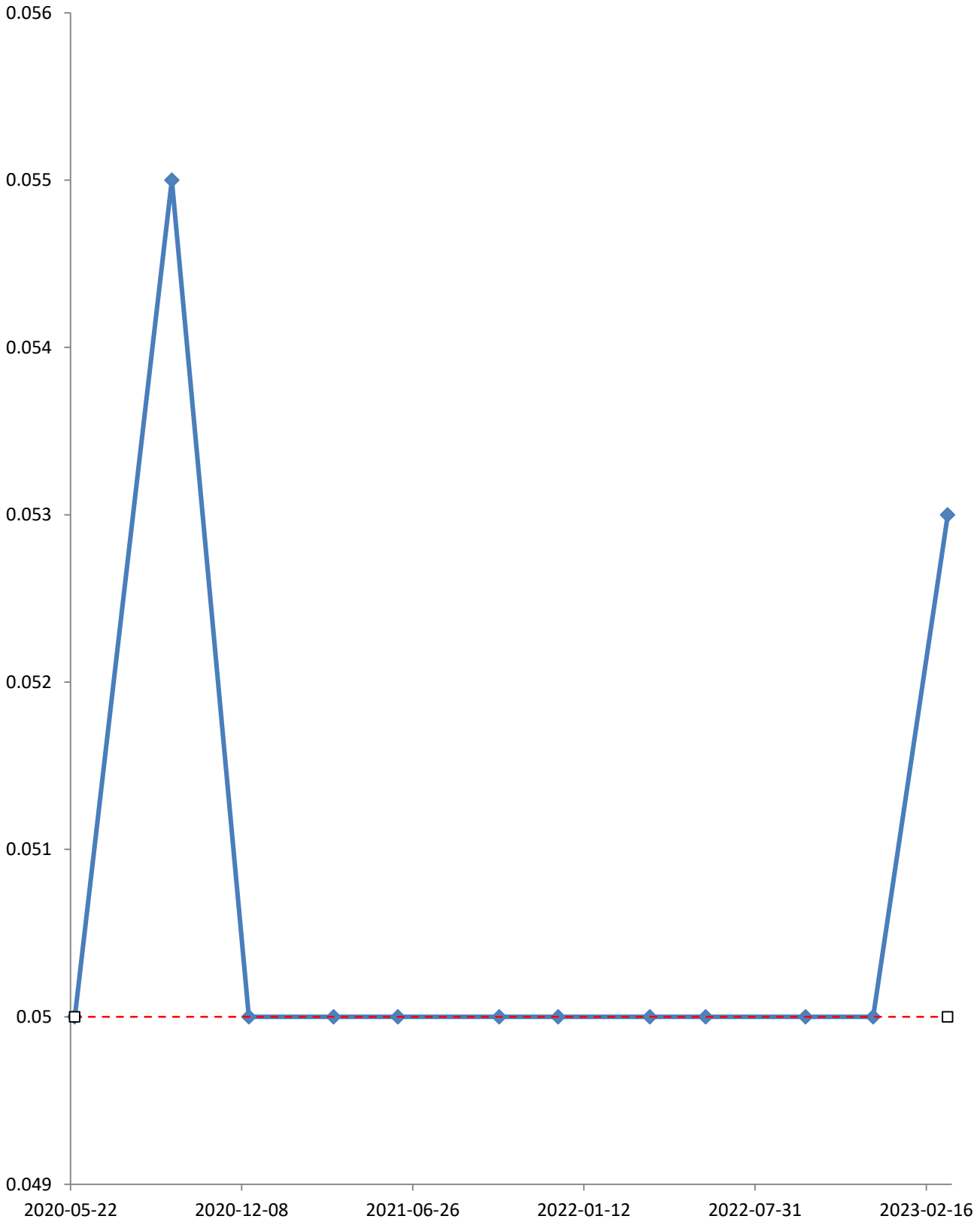


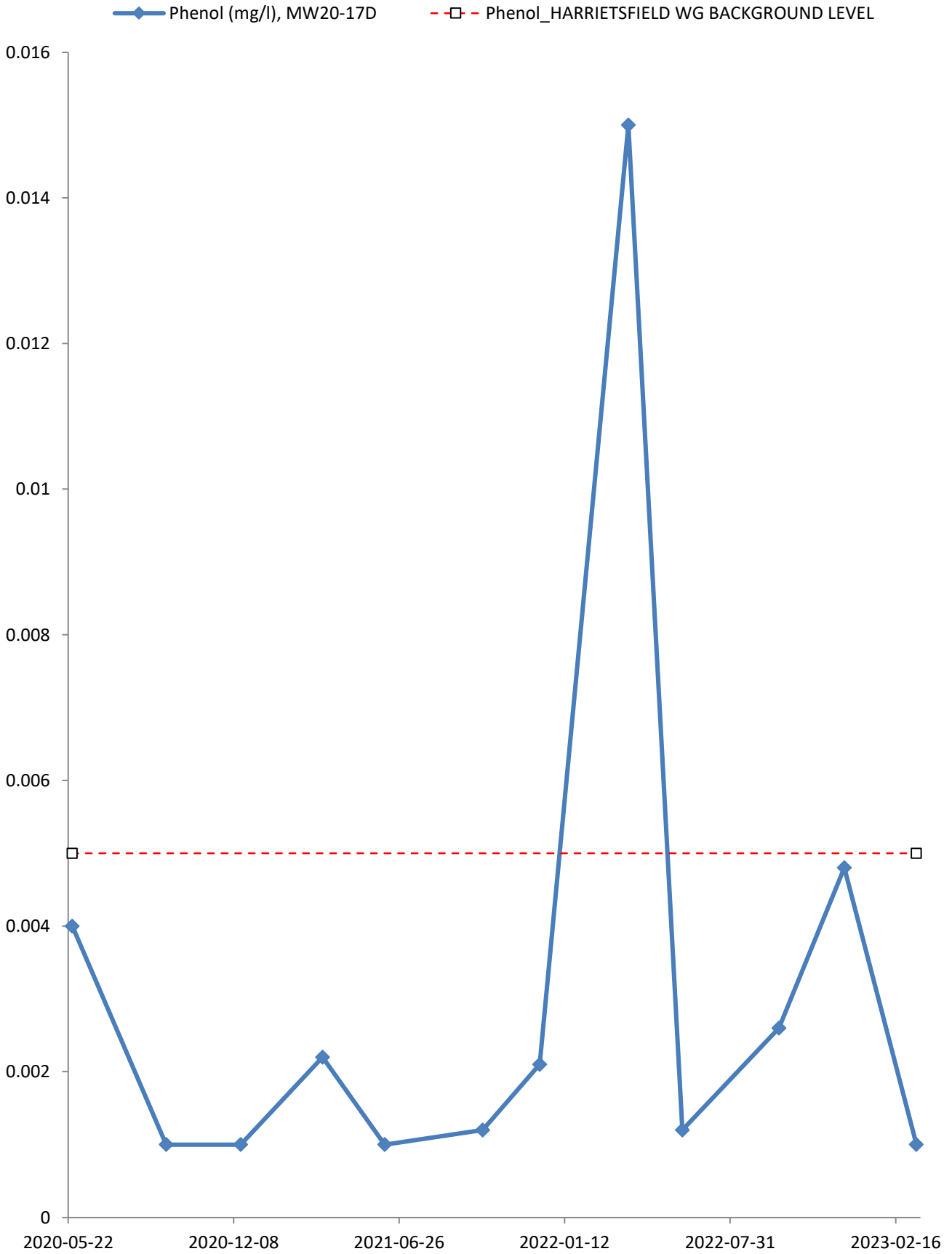


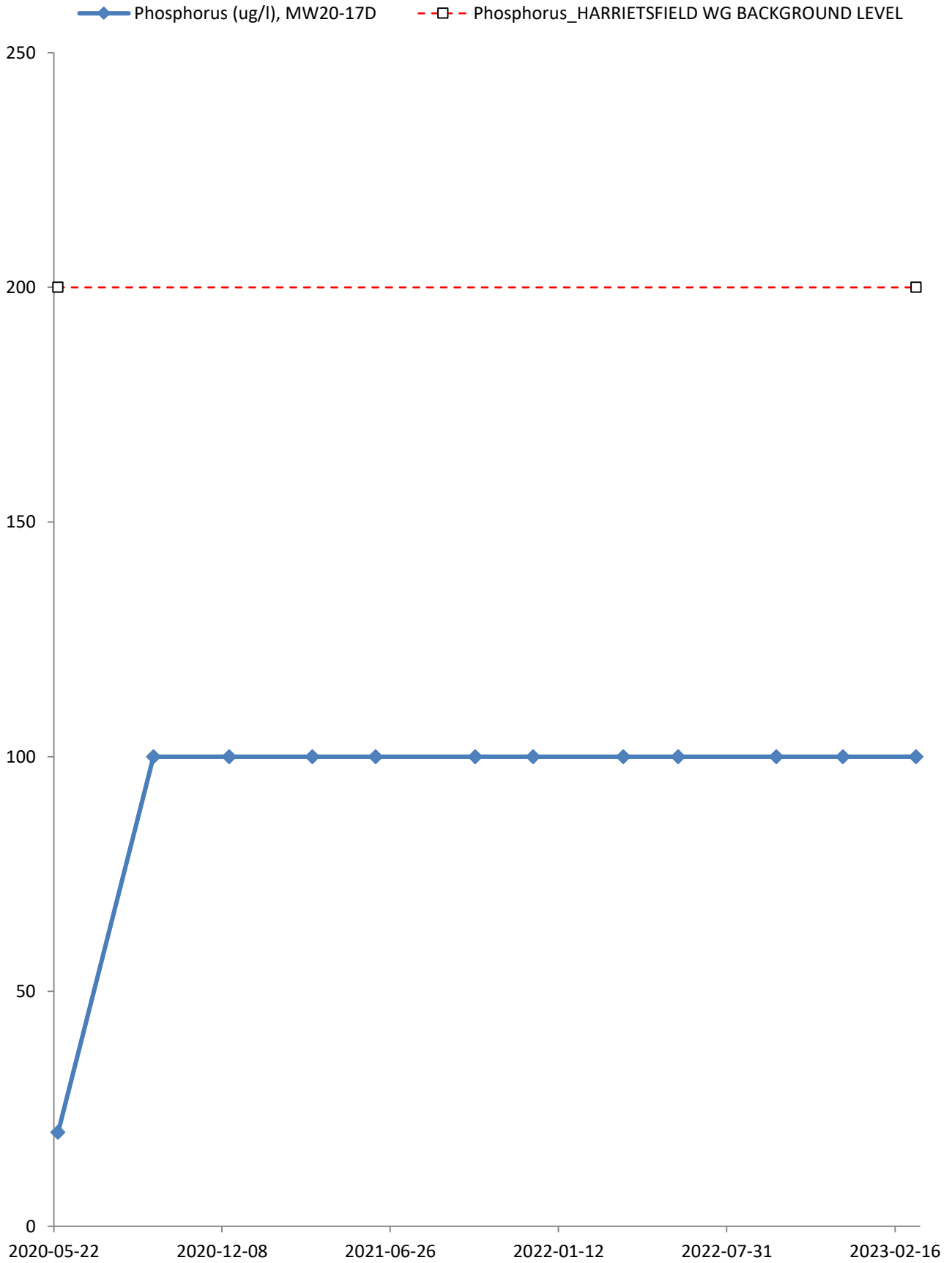
—◆— PHC F1 (C6-C10) min BTEX (mg/l), MW20-17D
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WG BACKGROUND LEVEL

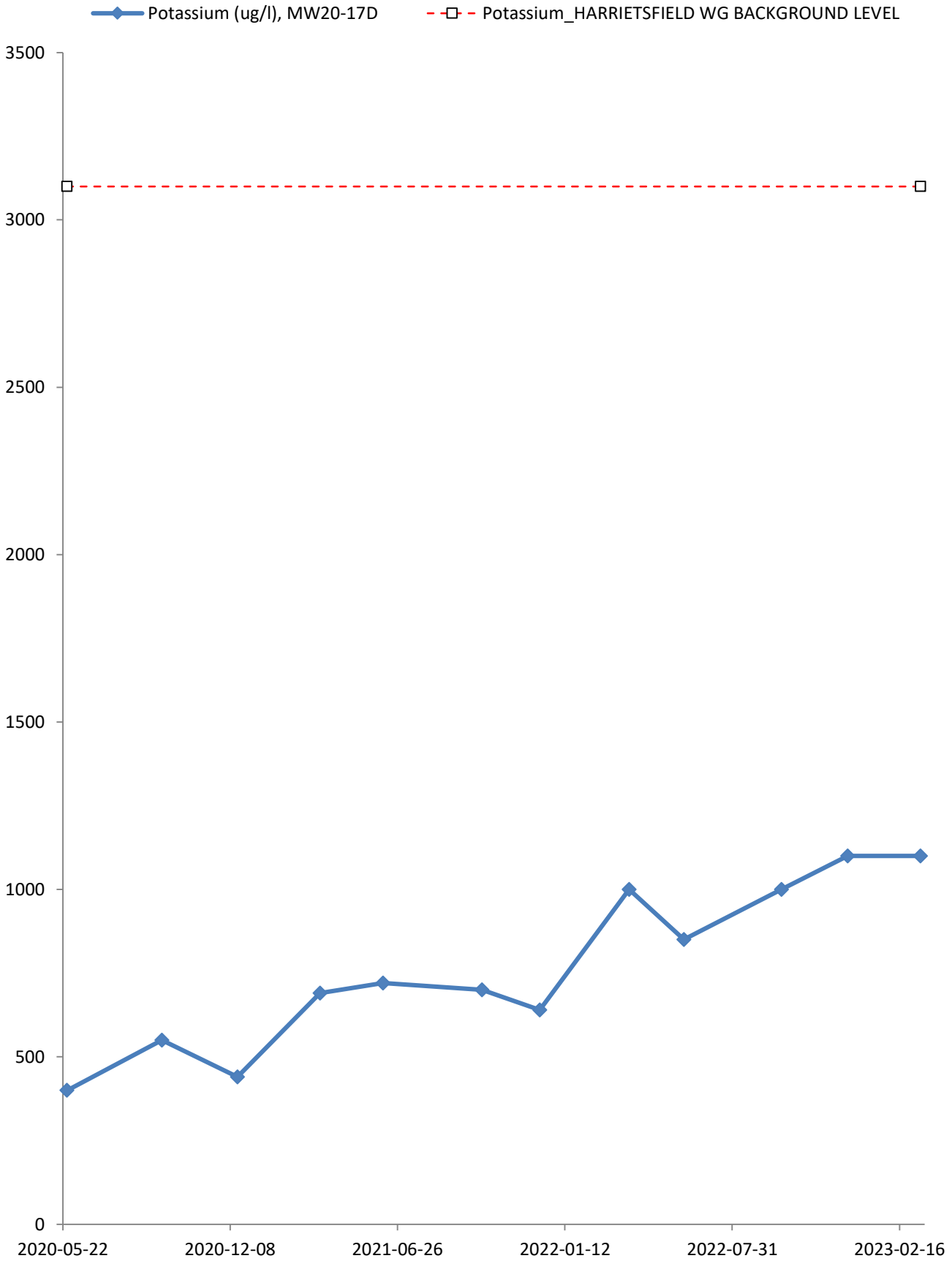


—◆— PHC F2 (>C10-C16) (mg/l), MW20-17D
- -□- - PHC F2 (>C10-C16)_HARRIETSFIELD WG BACKGROUND LEVEL

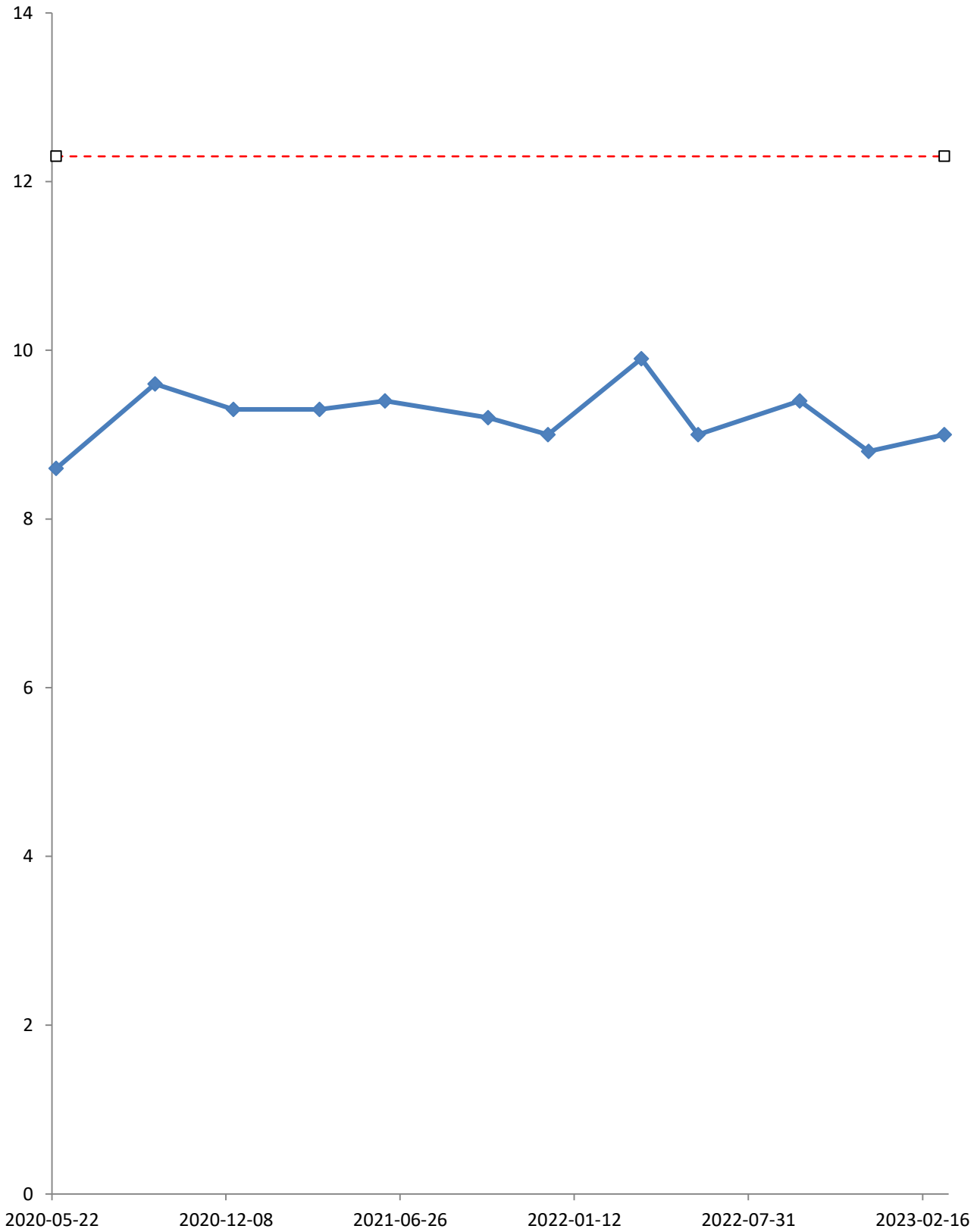




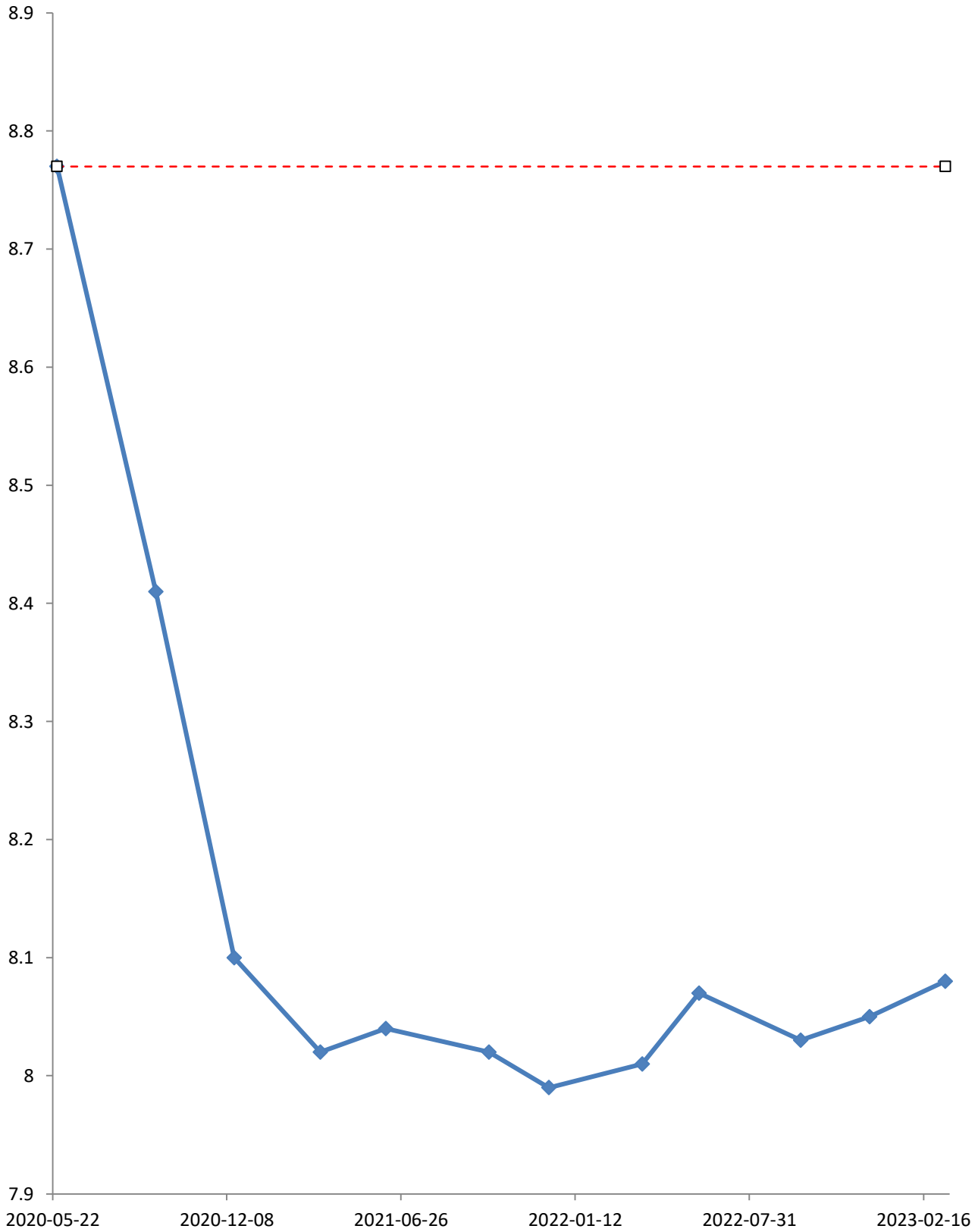




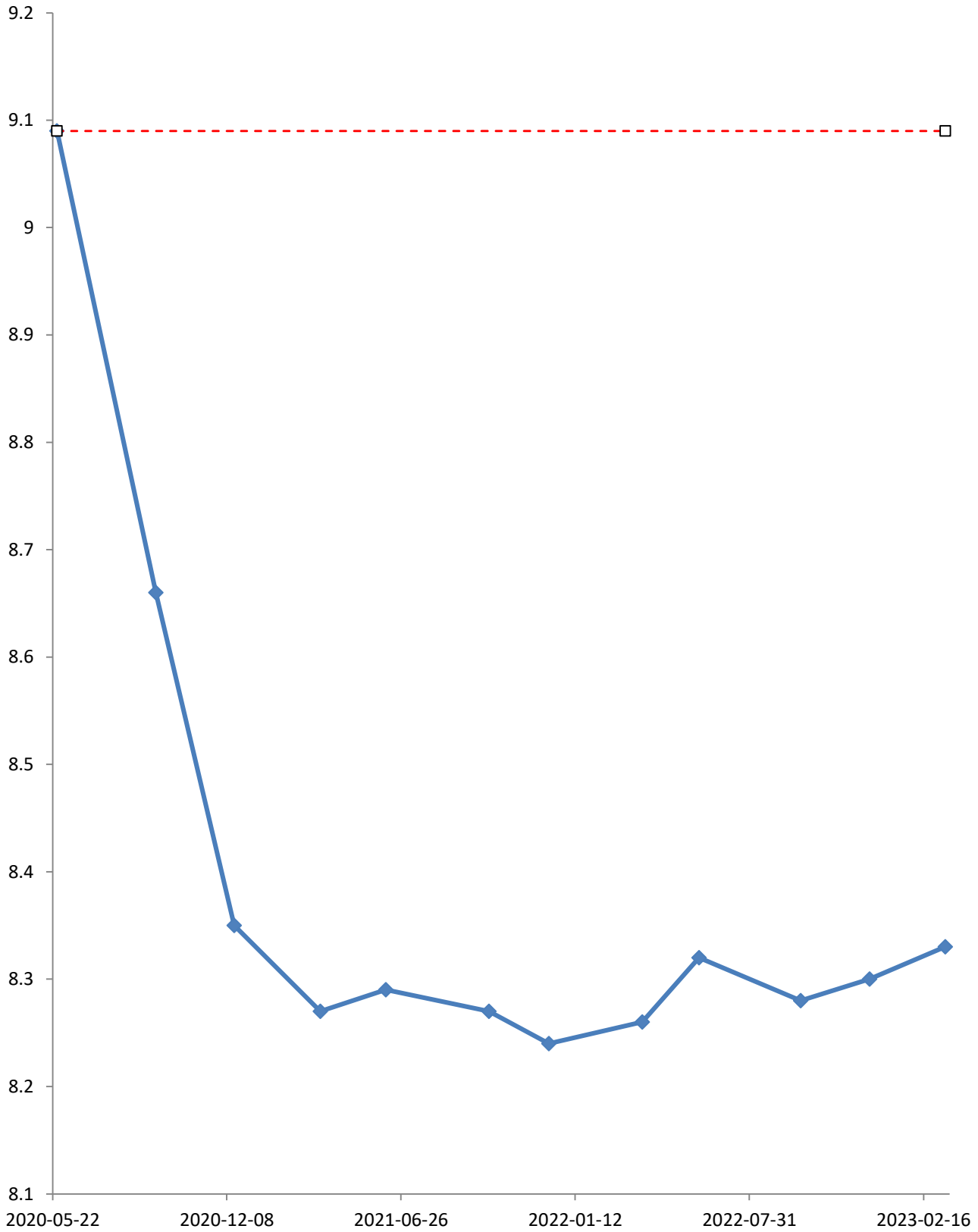
—◆— Reactive Silica (SiO₂) (mg/l), MW20-17D
- -□- - Reactive Silica (SiO₂)_HARRIETSFIELD WG BACKGROUND LEVEL

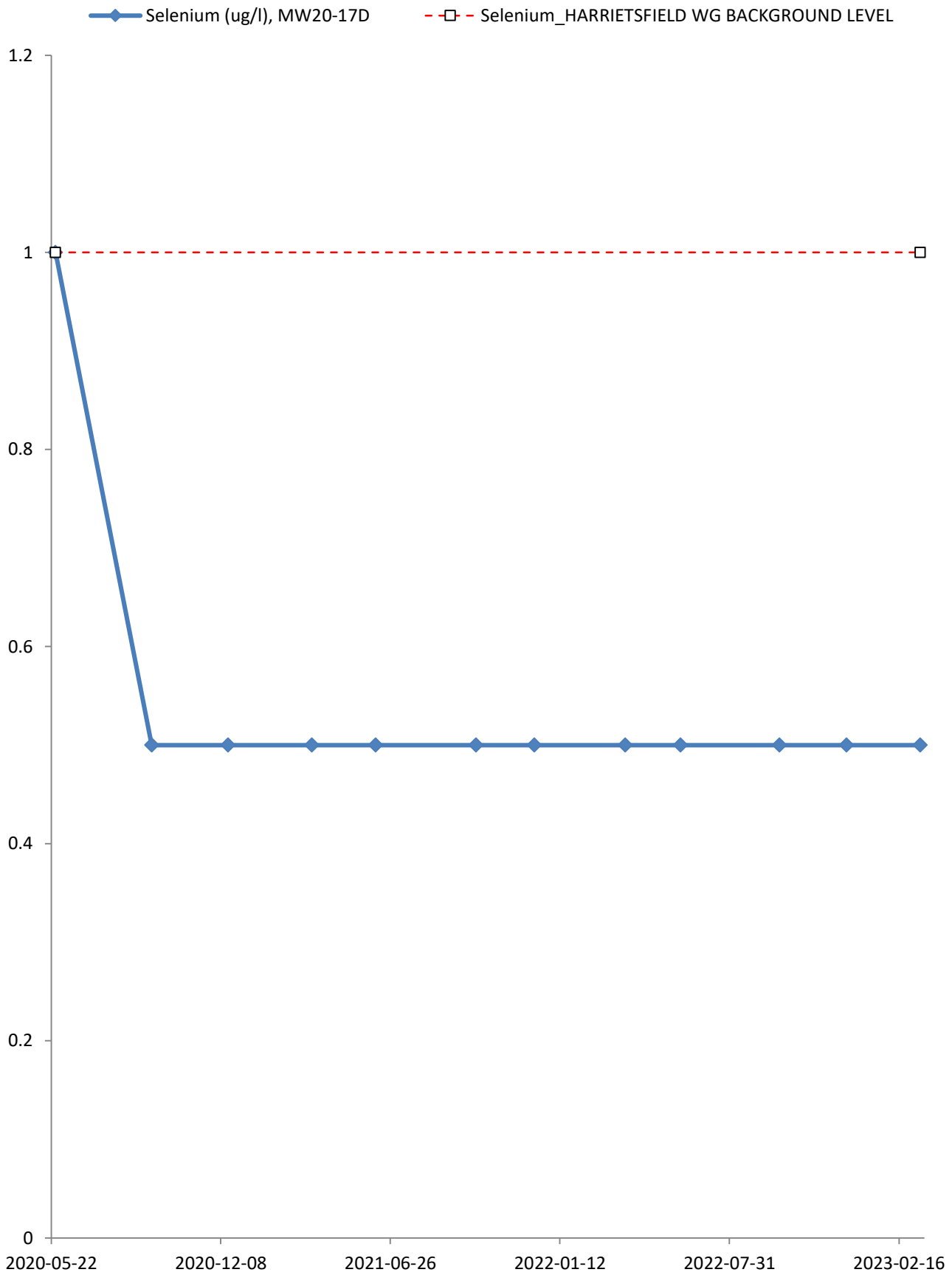


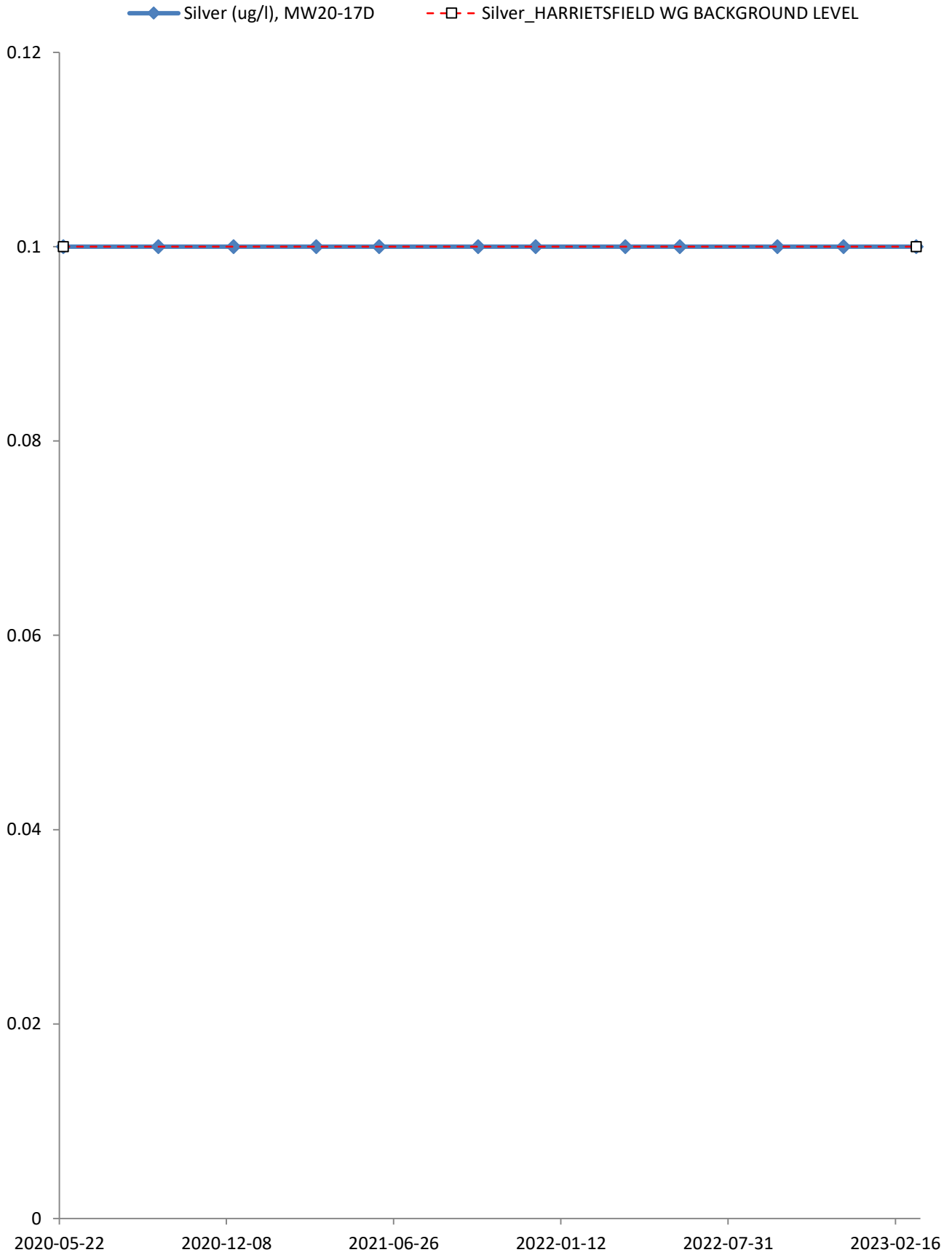
- ◆— Saturation pH (at 20 C) (none), MW20-17D
- -□- - Saturation pH (at 20 C)_HARRIETSFIELD WG BACKGROUND LEVEL

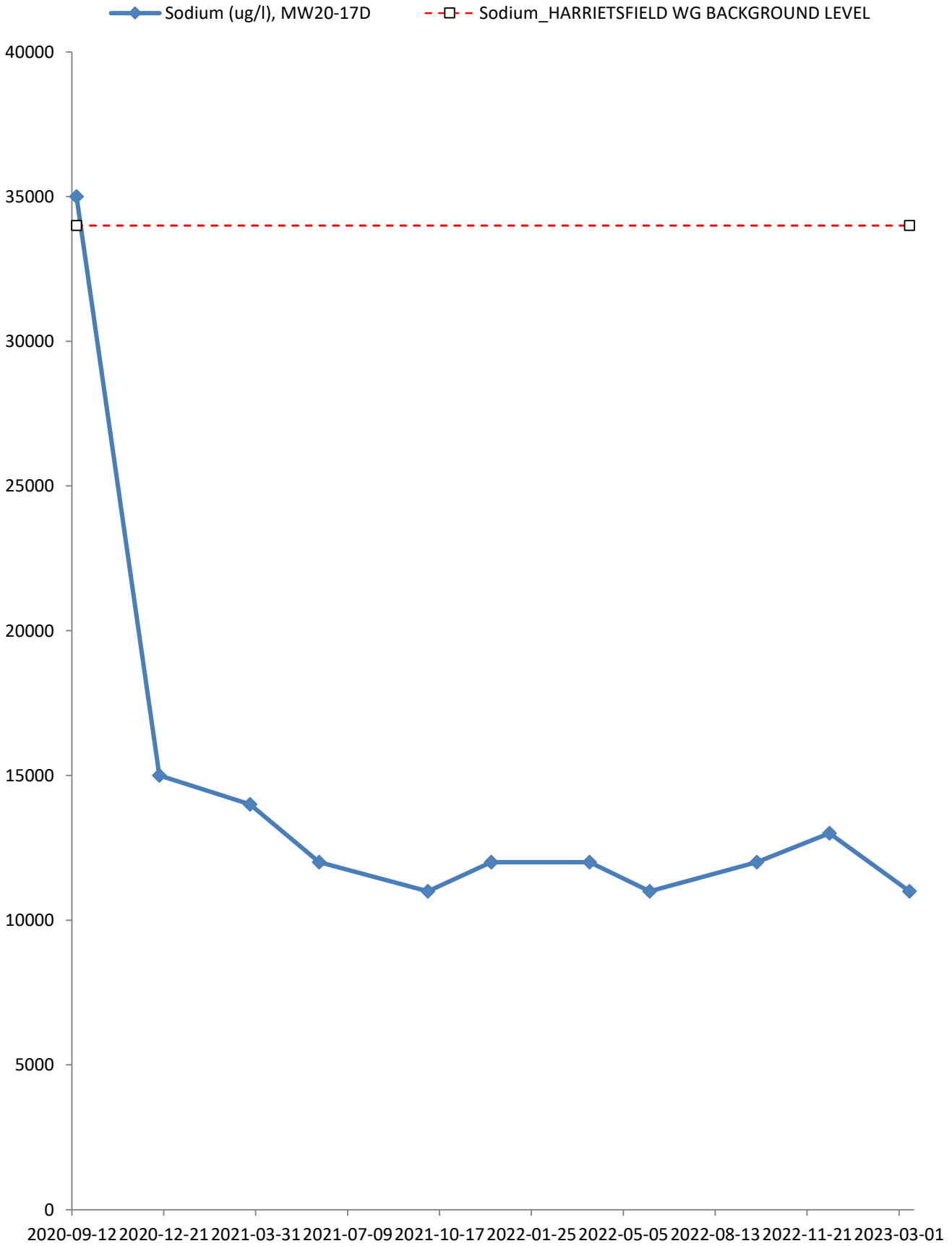


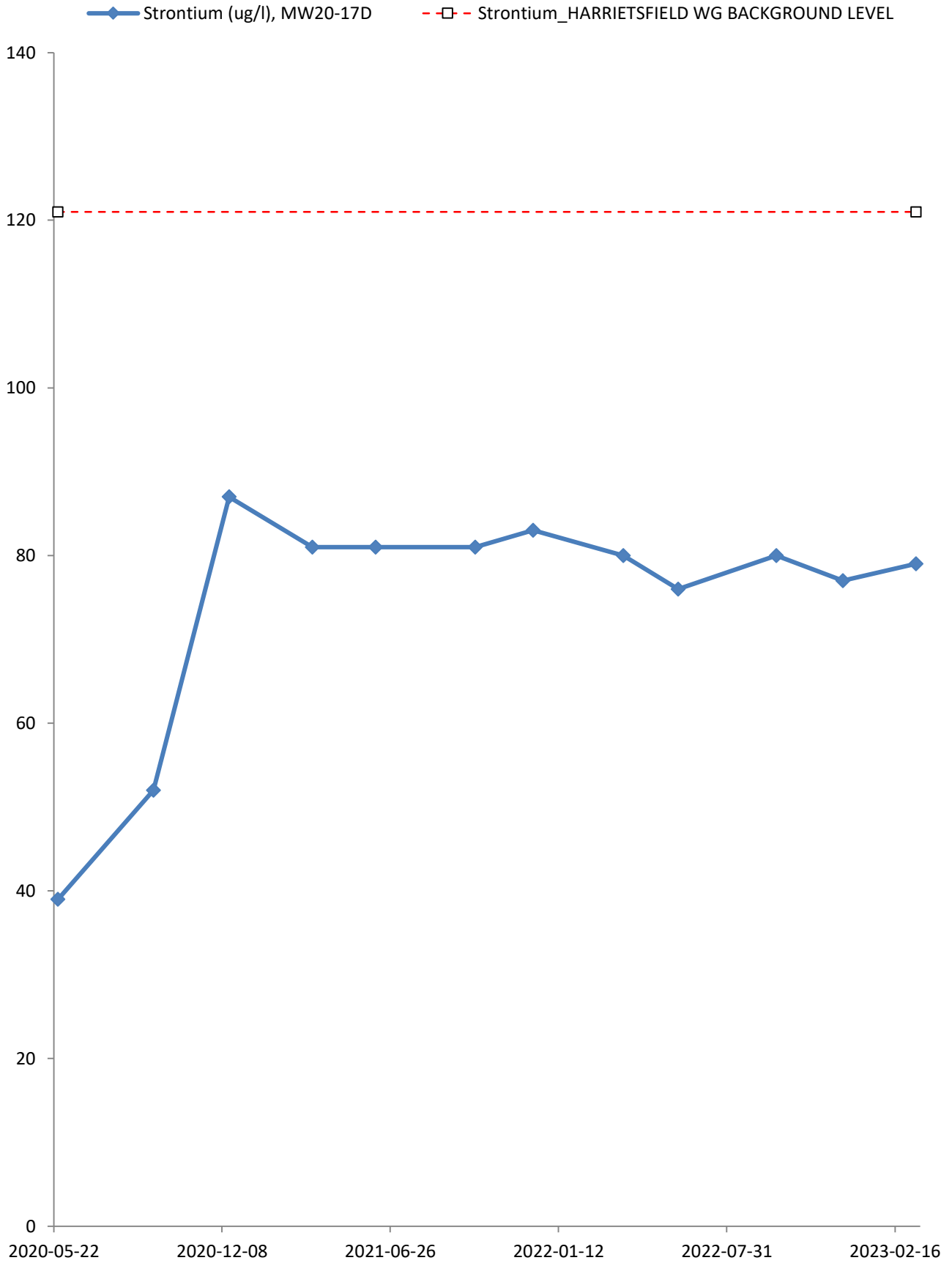
- ◆— Saturation pH (at 4 C) (none), MW20-17D
- -□- - Saturation pH (at 4 C)_HARRIETSFIELD WG BACKGROUND LEVEL

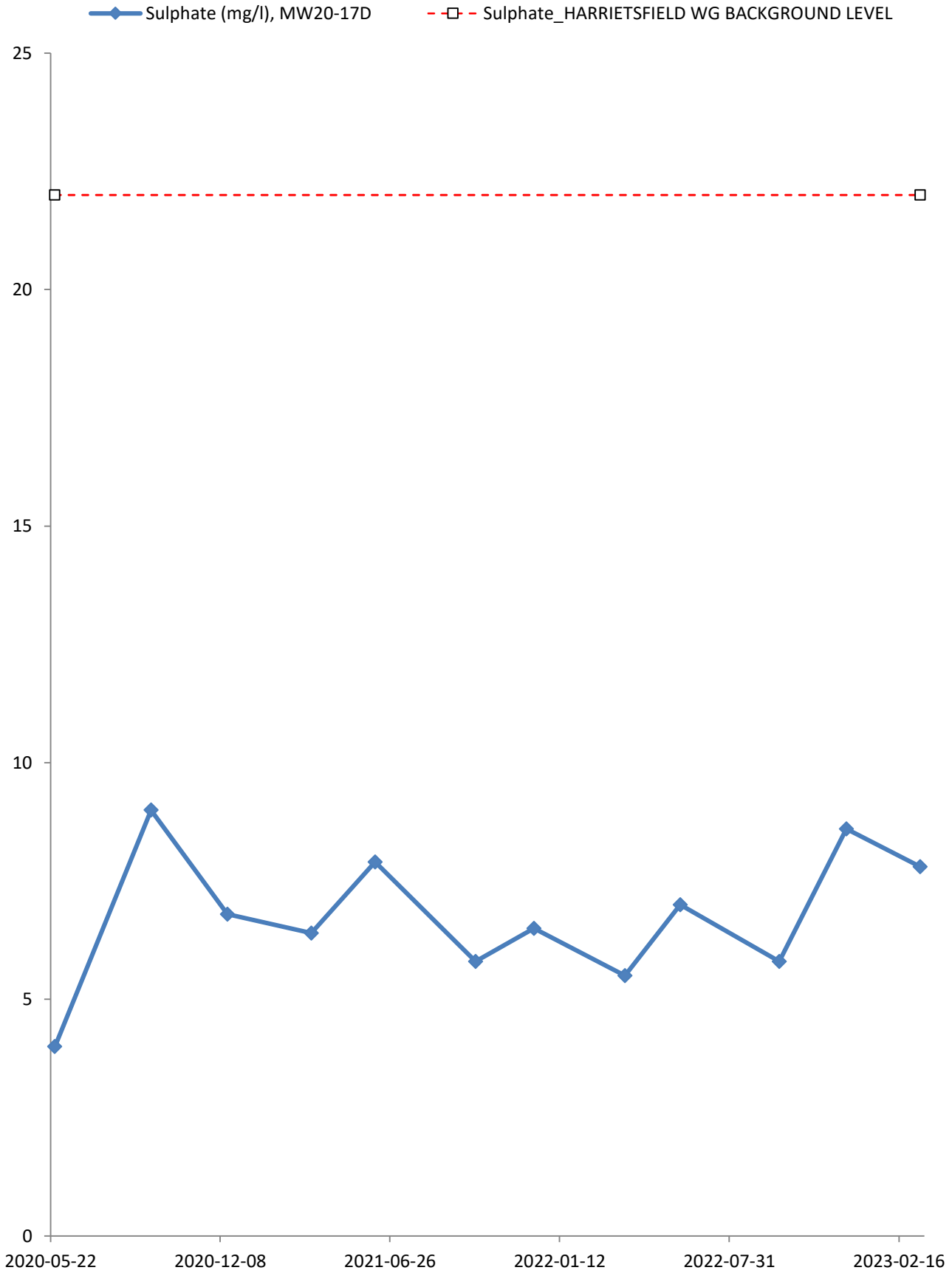


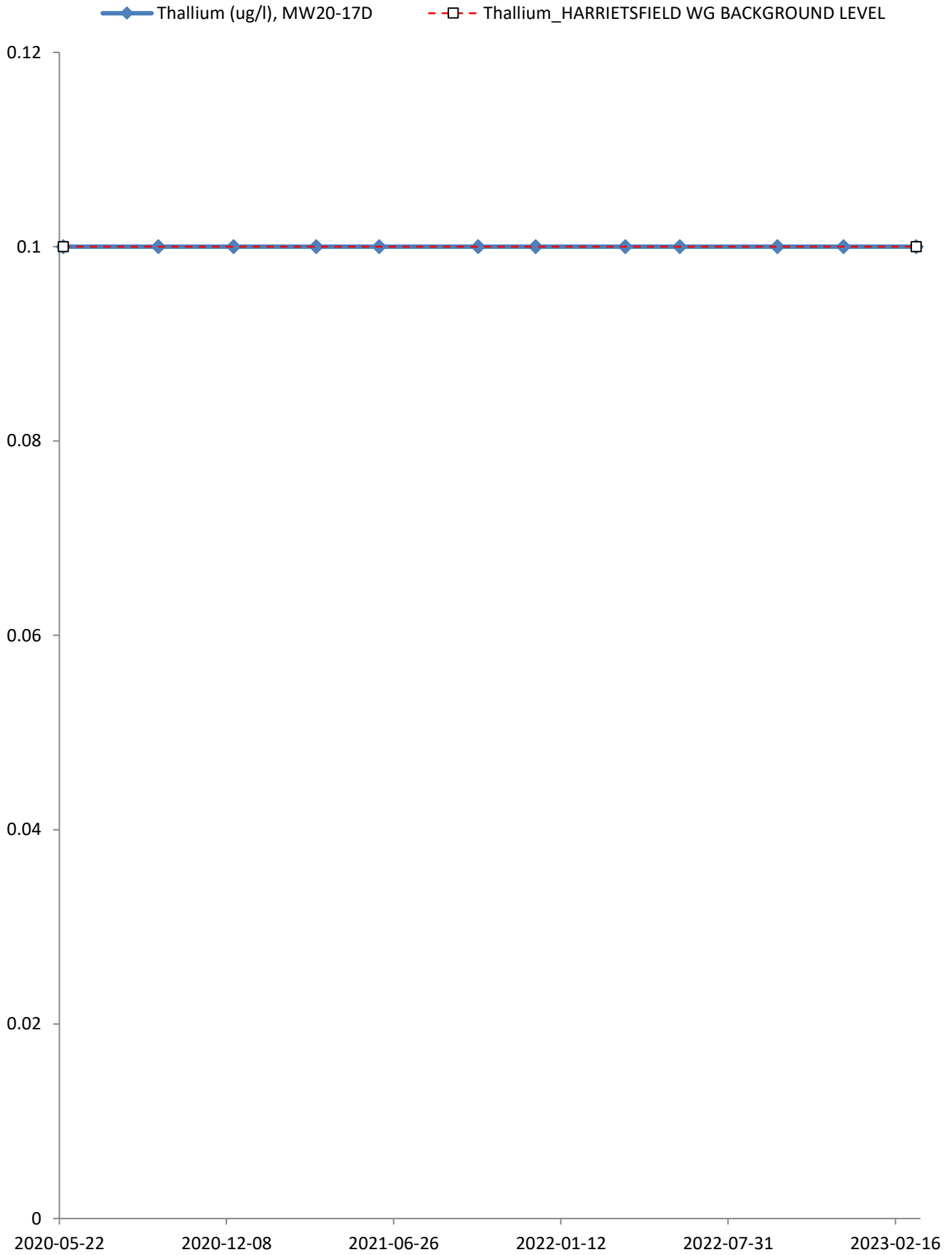


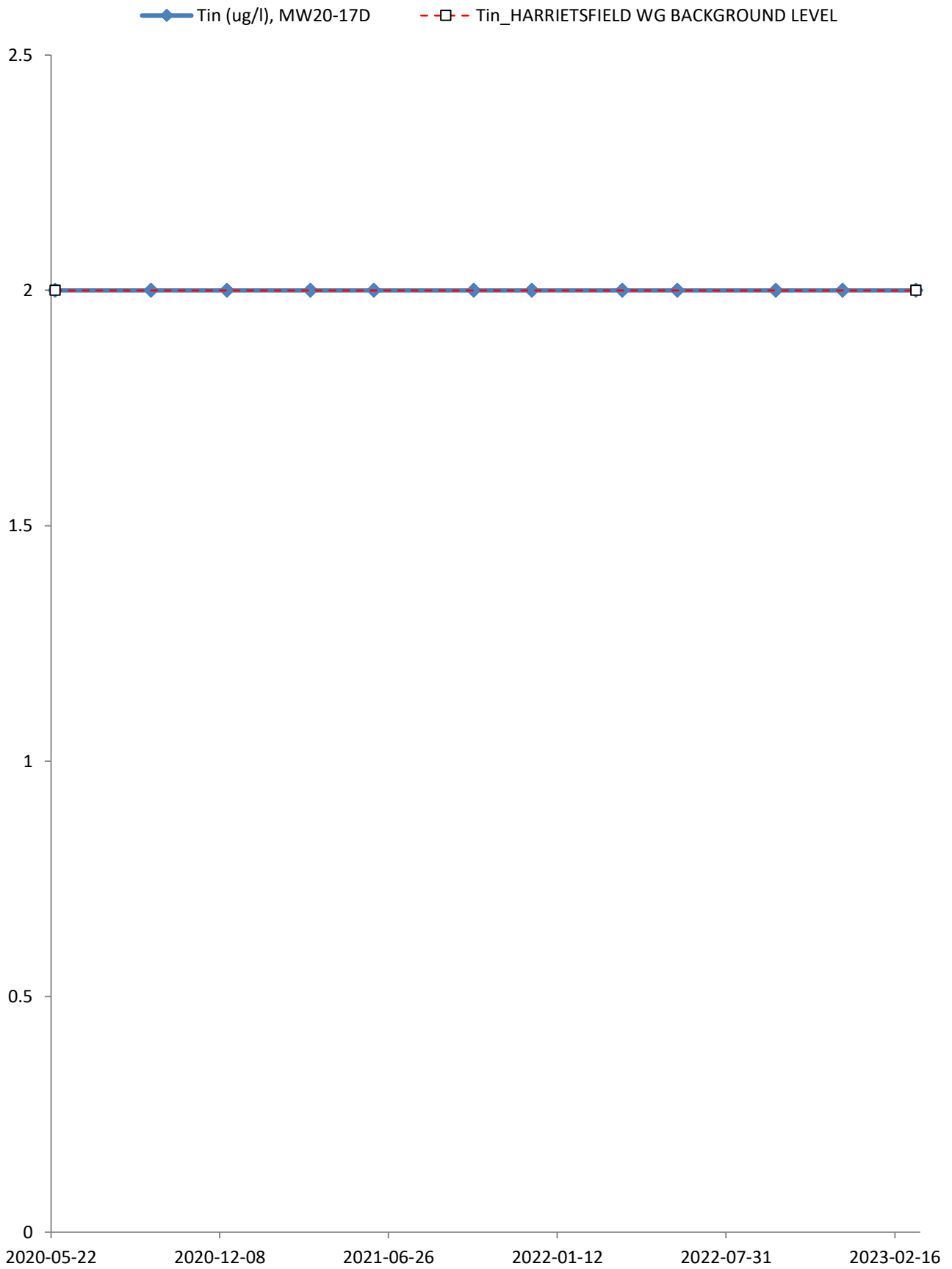


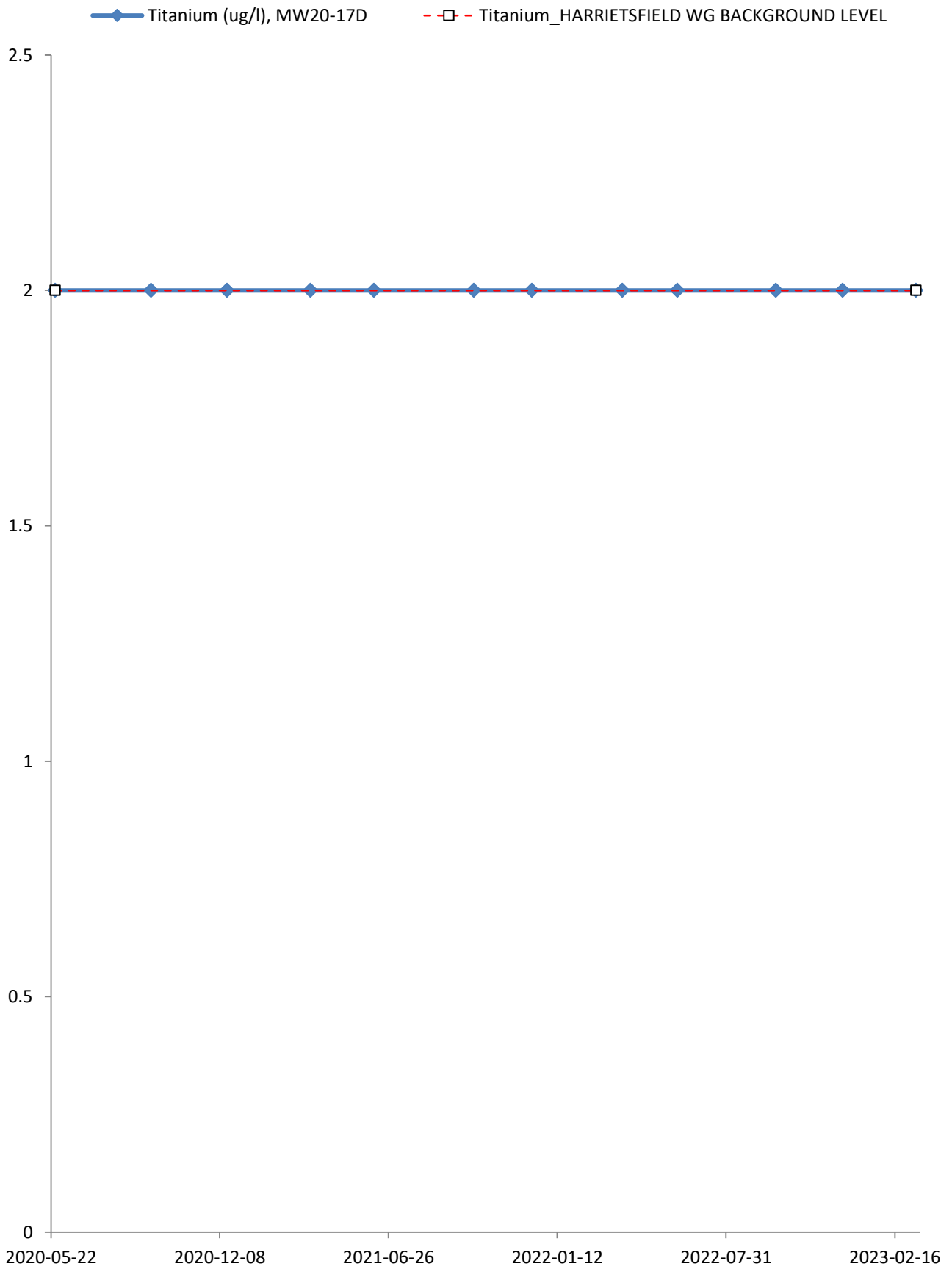


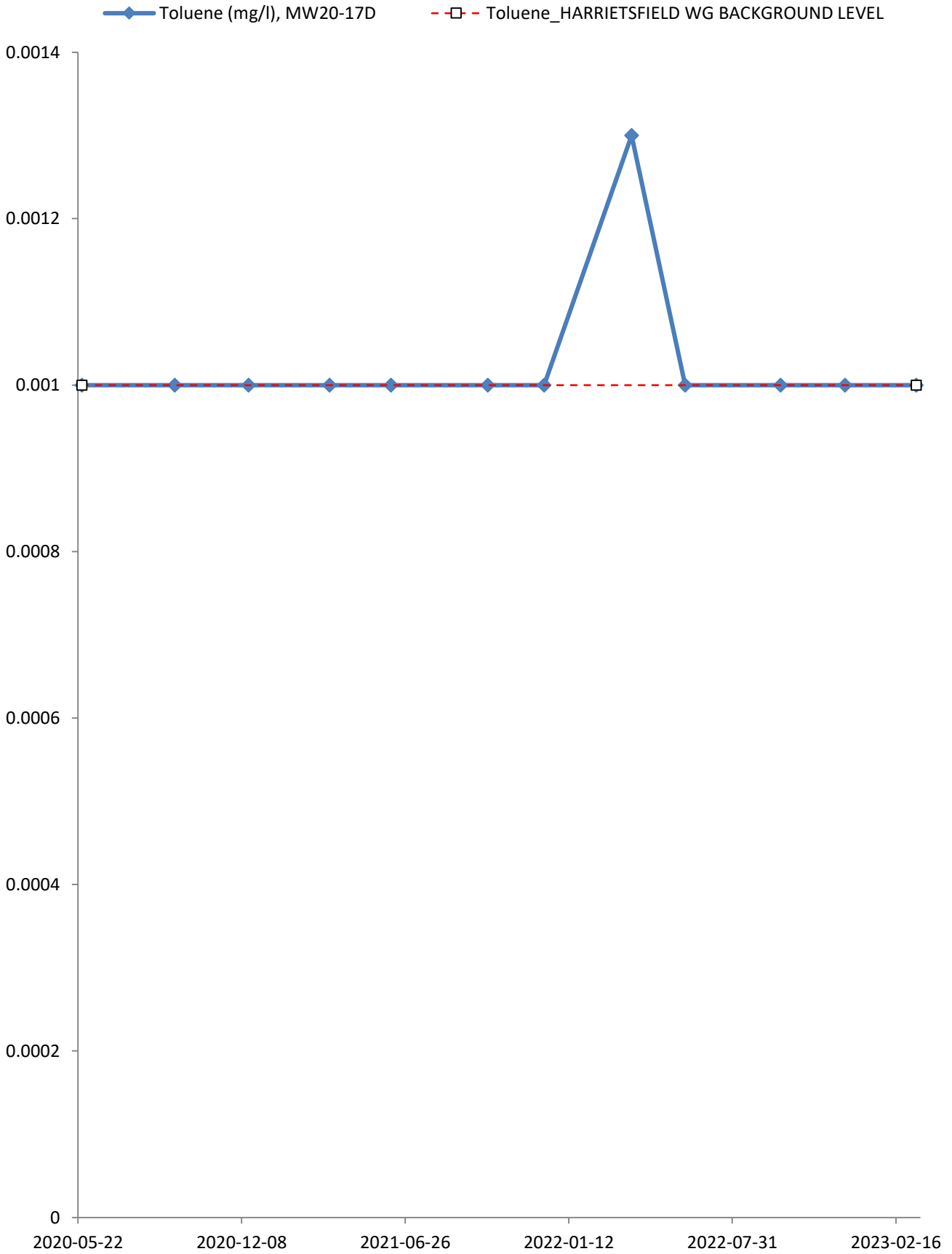




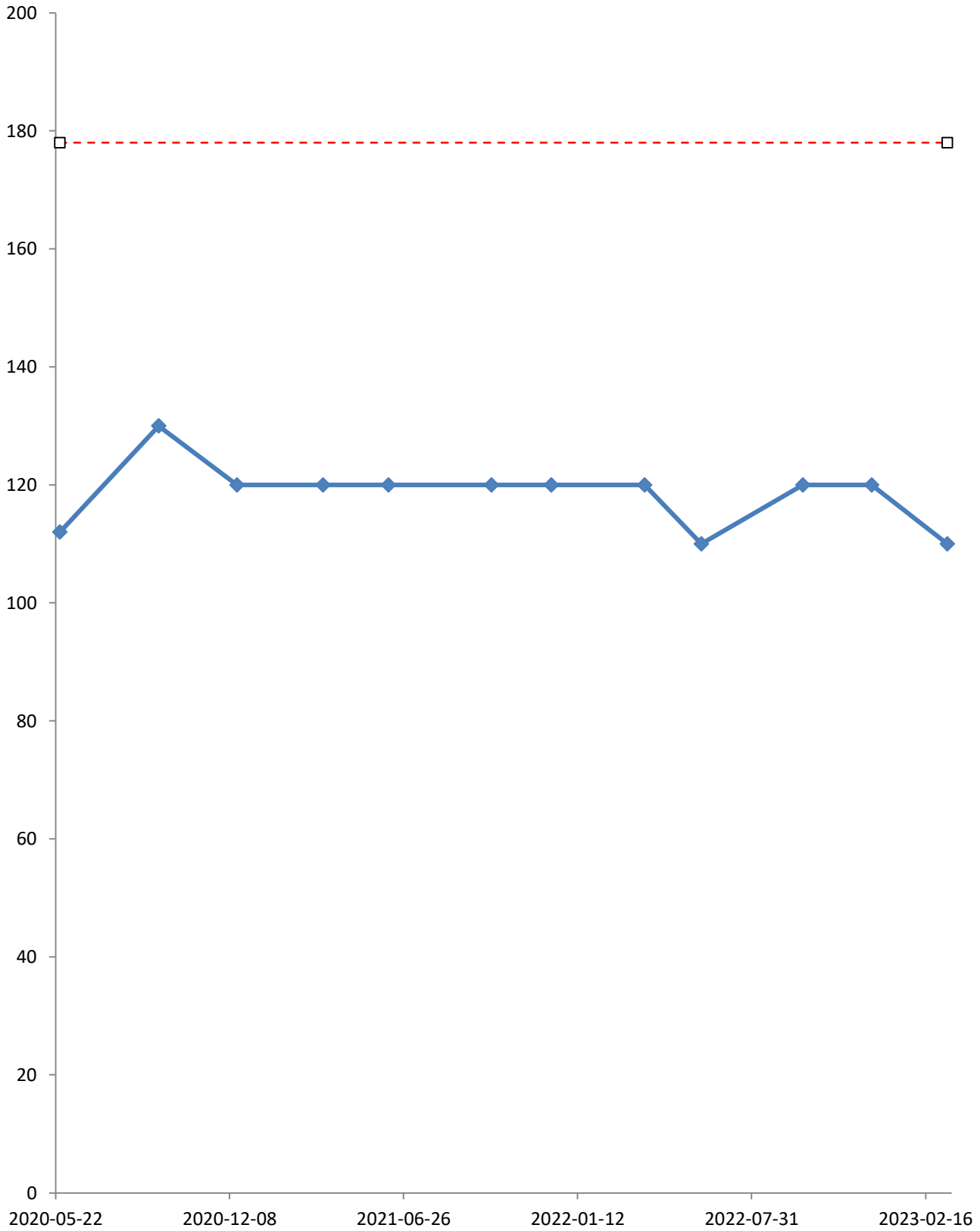




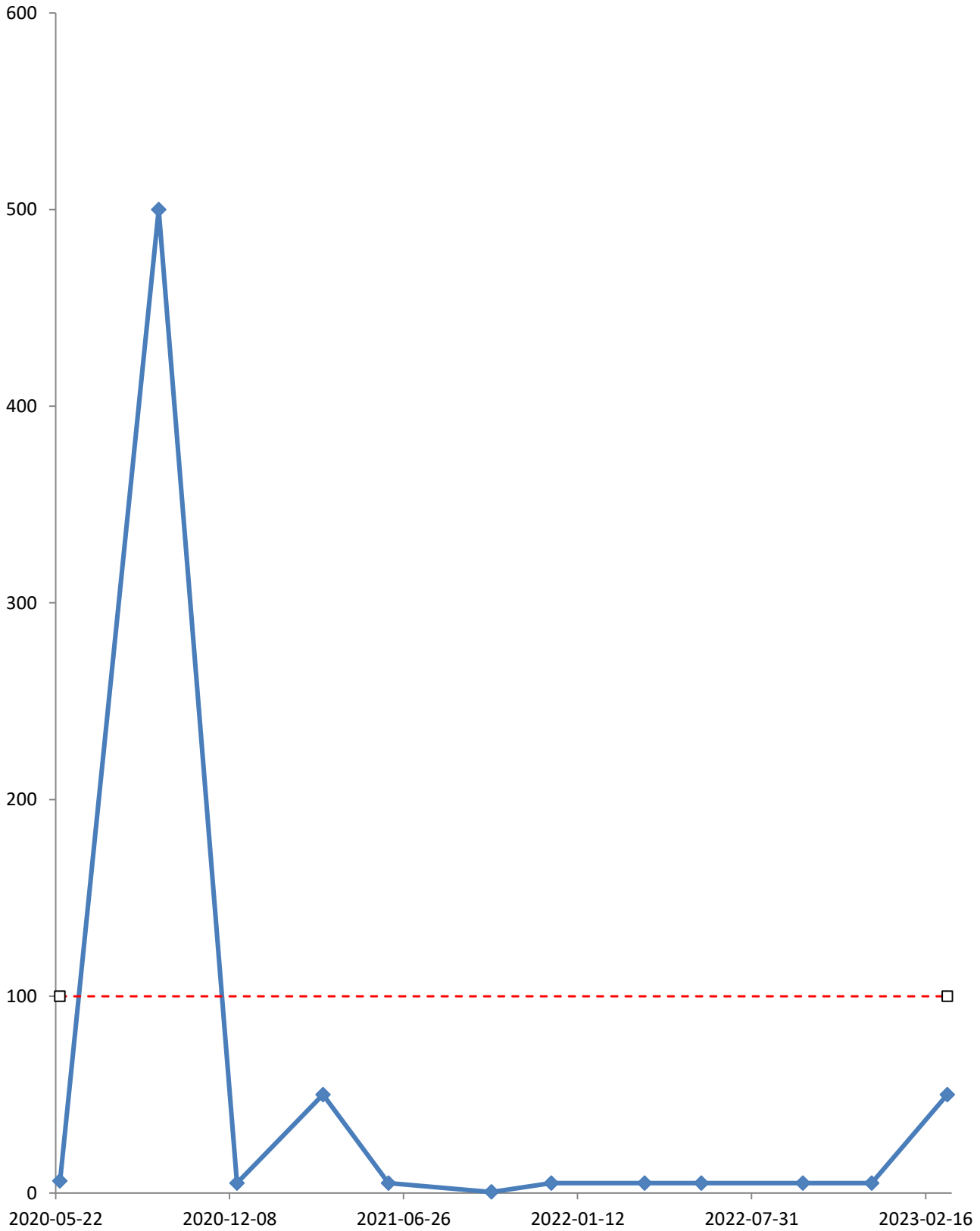




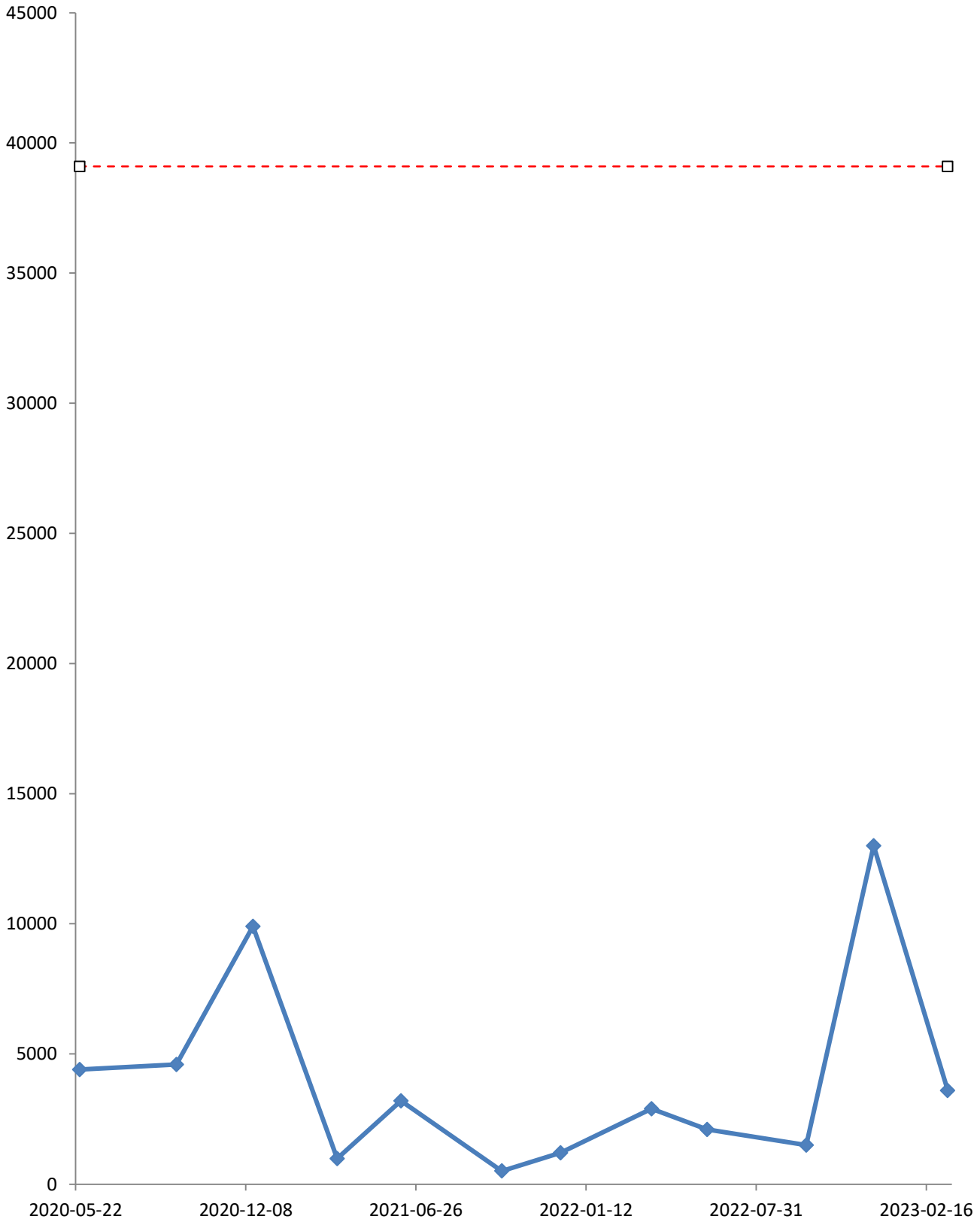
—◆— Total Diss Solids (Lab) (mg/l), MW20-17D
- -□- - Total Diss Solids (Lab)_HARRIETSFIELD WG BACKGROUND LEVEL

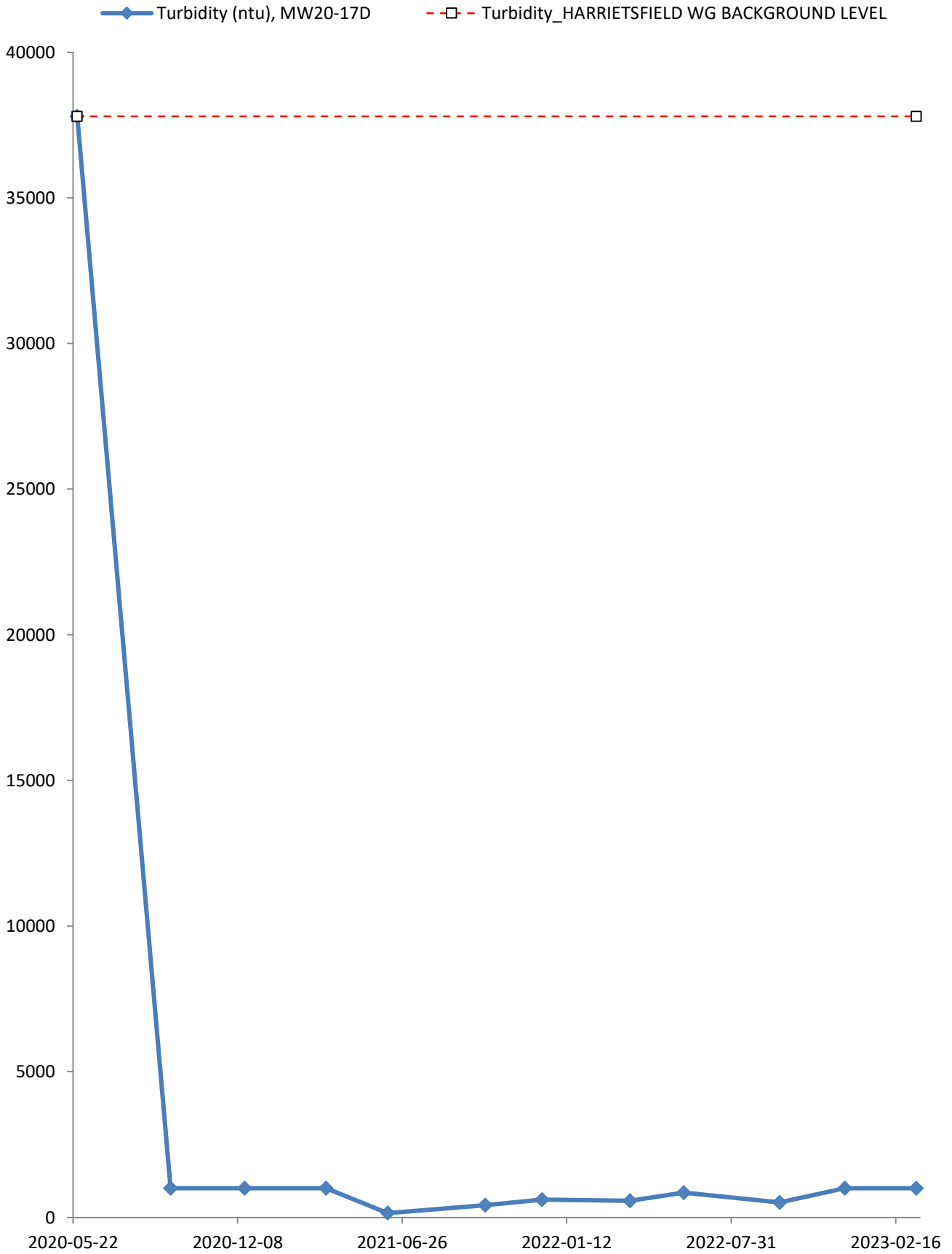


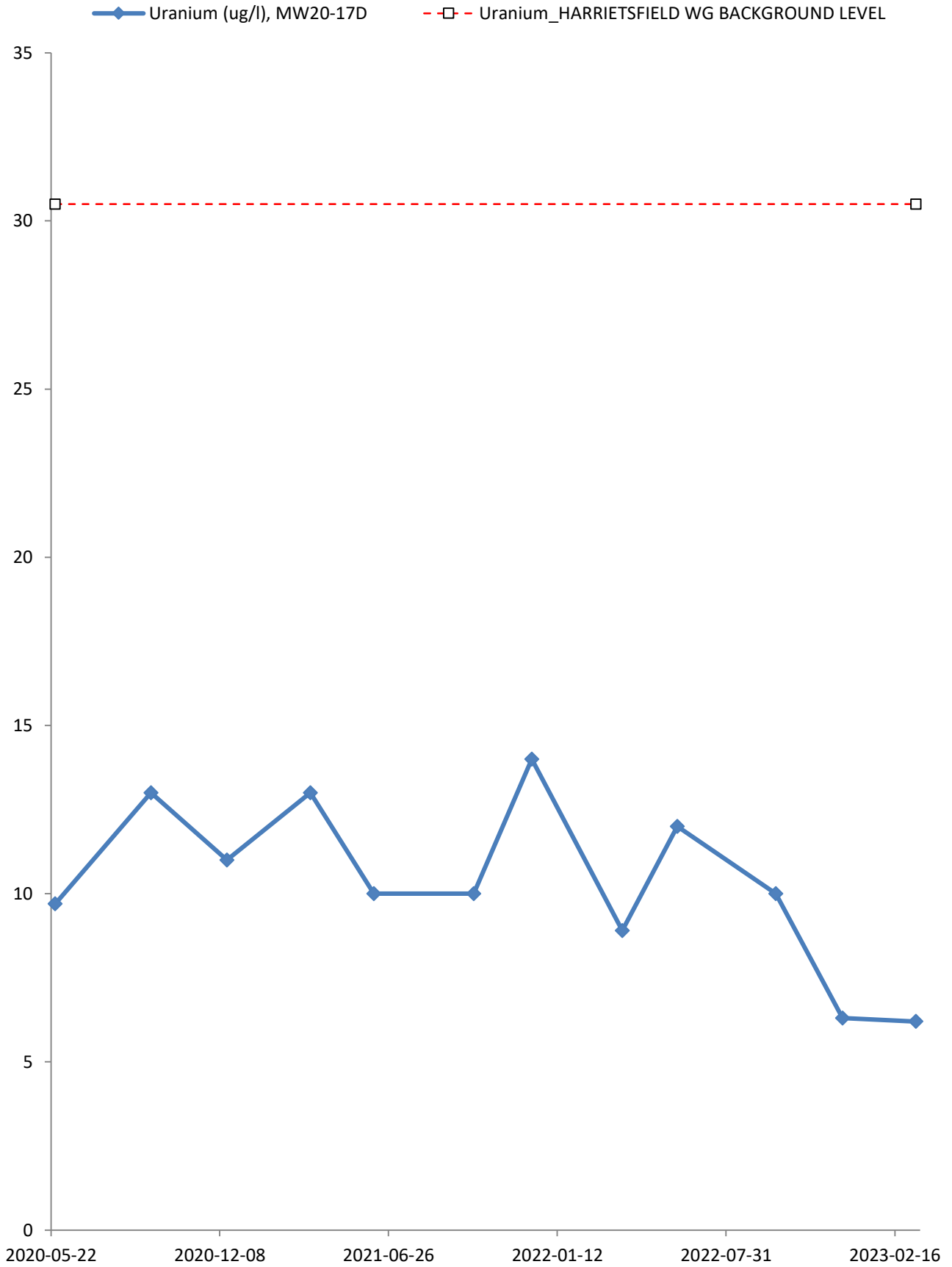
—◆— Total Organic Carbon (mg/l), MW20-17D
- -□- - Total Organic Carbon_HARRIETSFIELD WG BACKGROUND LEVEL

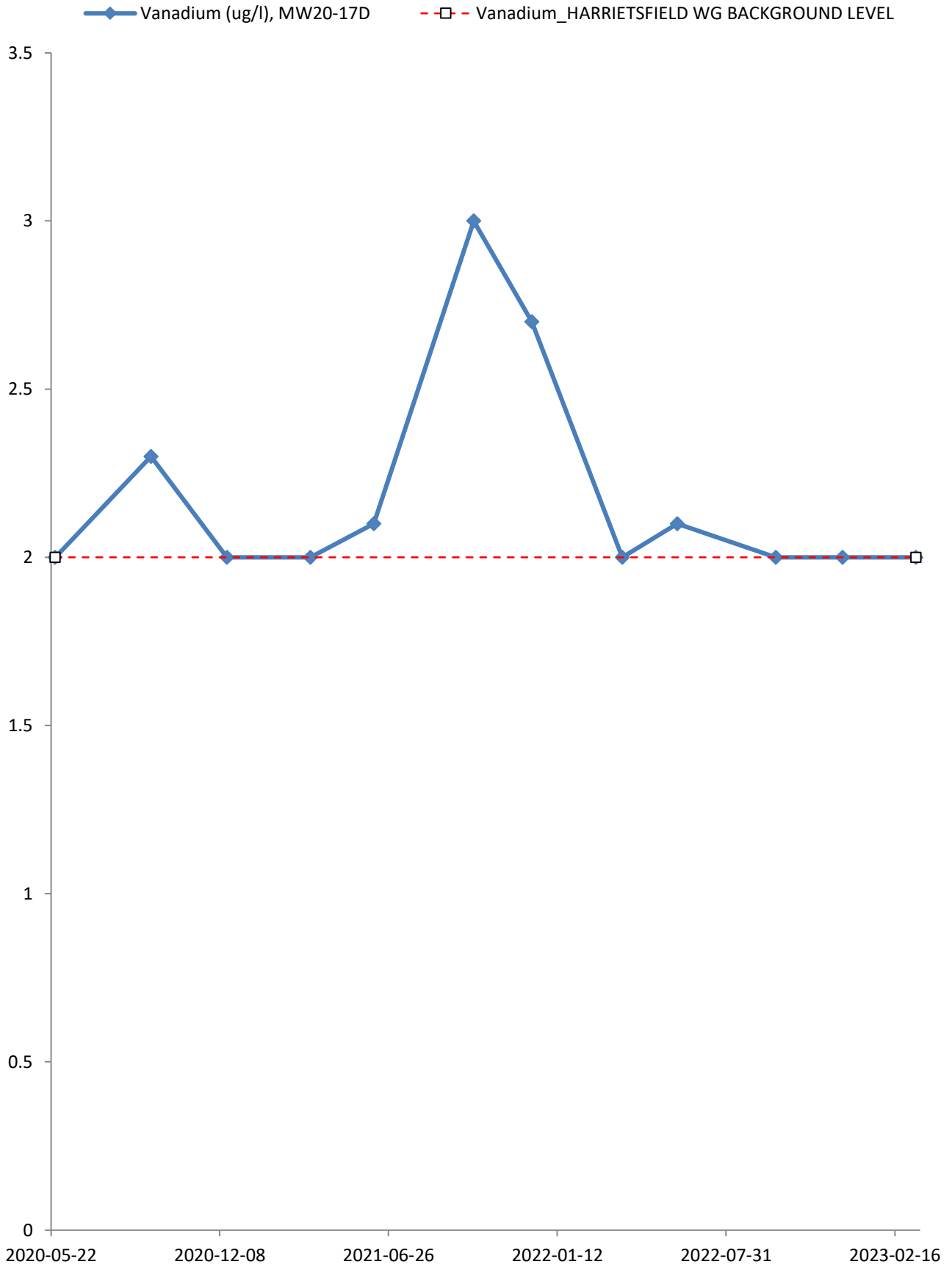


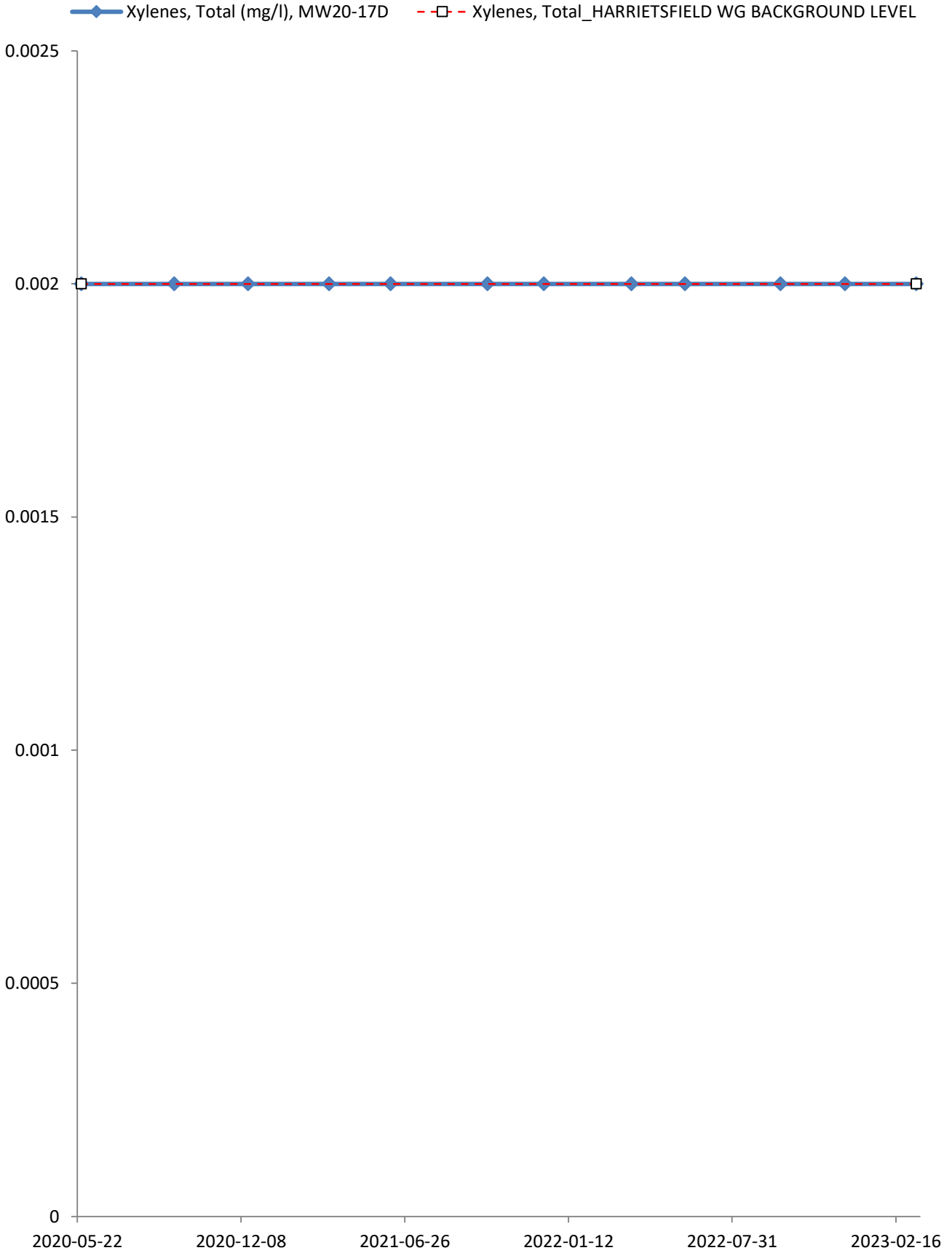
—◆— Total Suspended Solids (mg/l), MW20-17D
- -□- - Total Suspended Solids_HARRIETSFIELD WG BACKGROUND LEVEL

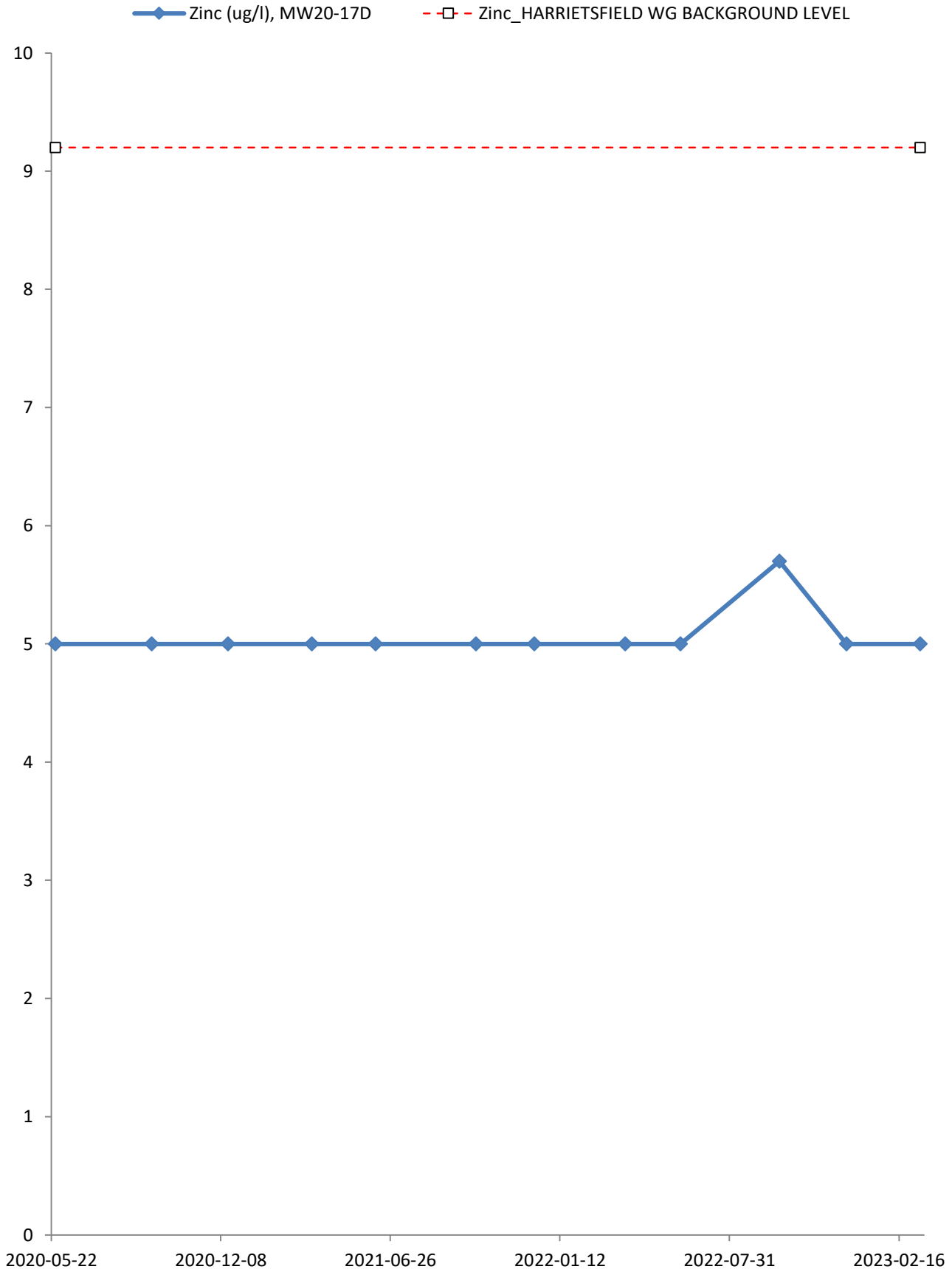




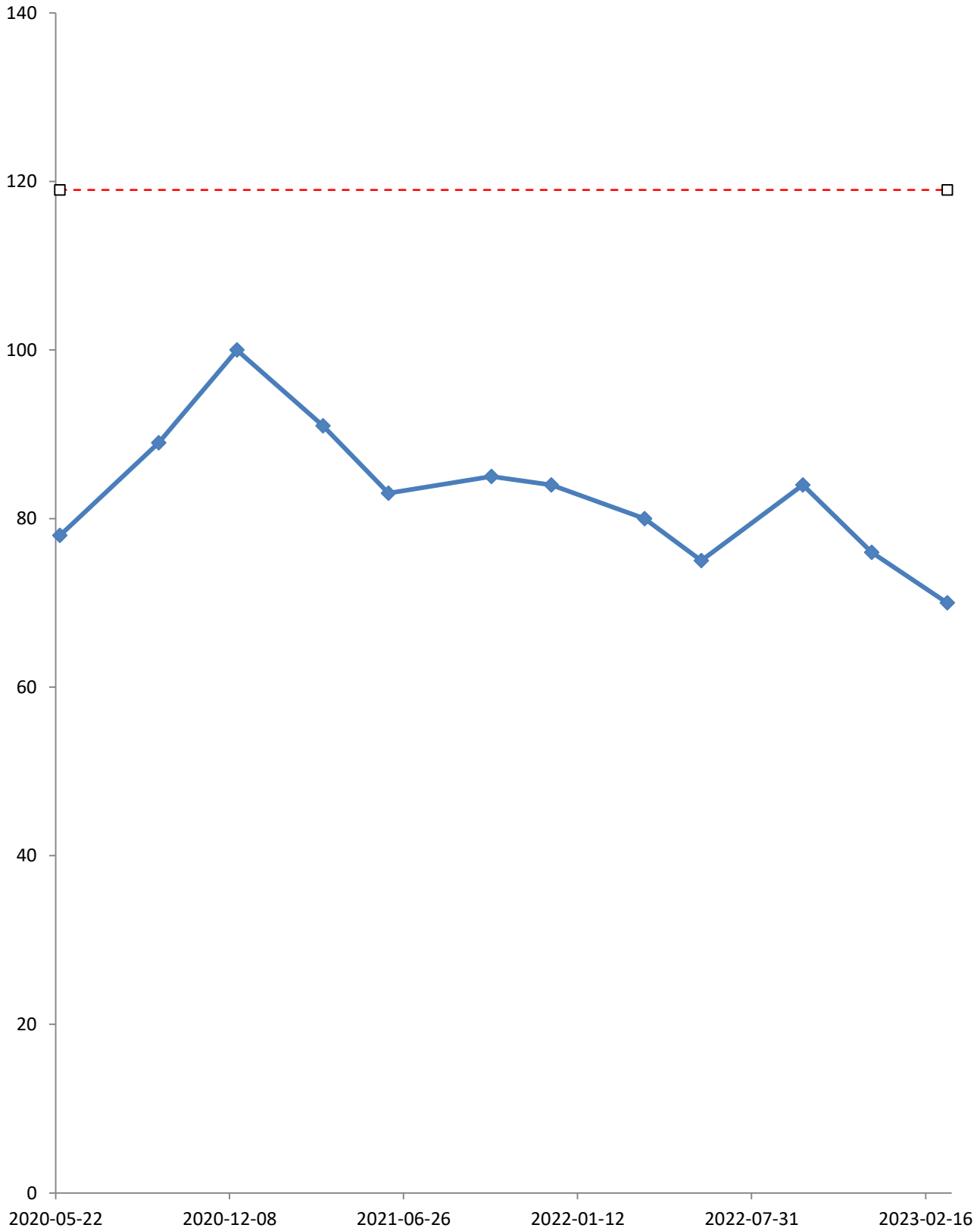




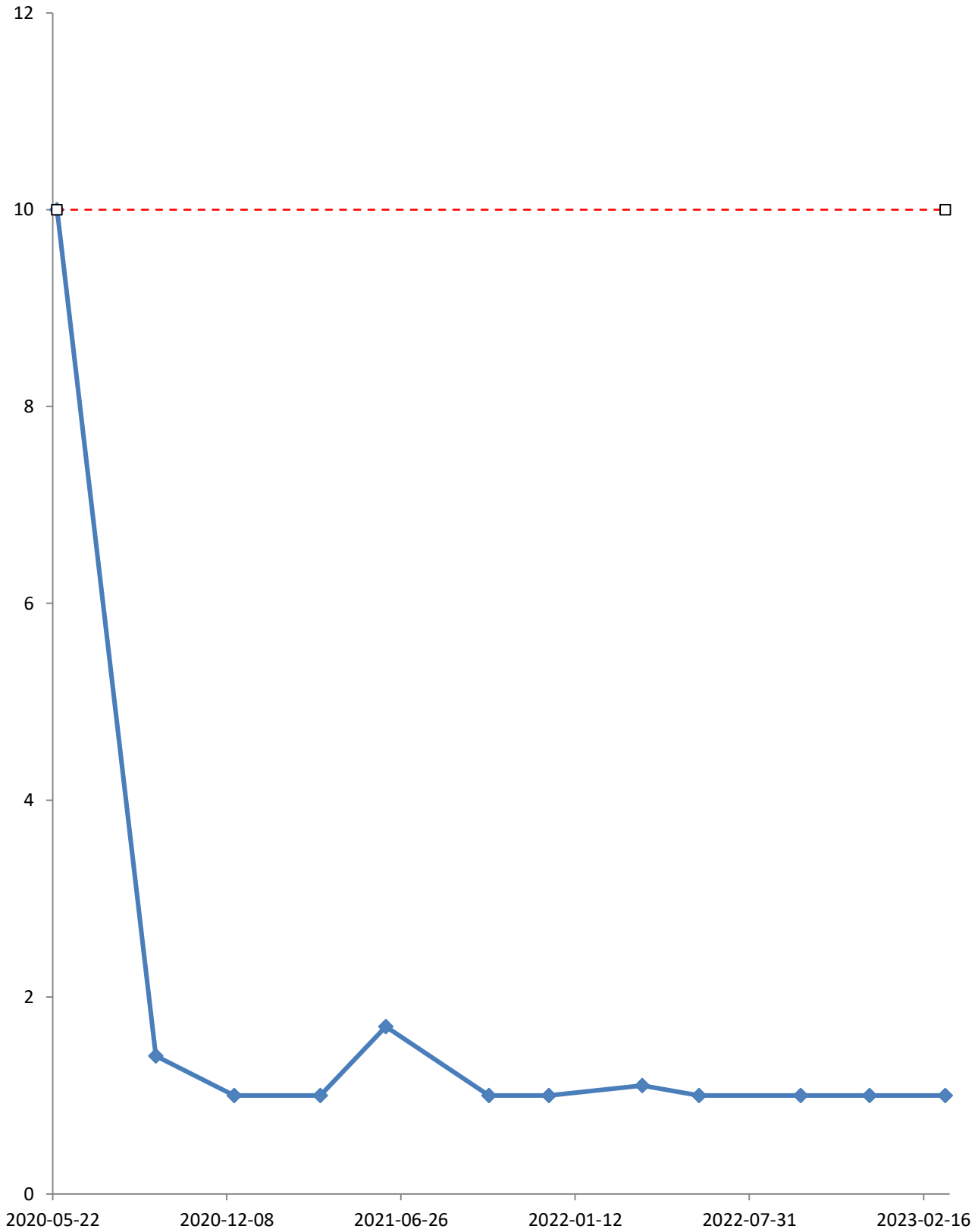


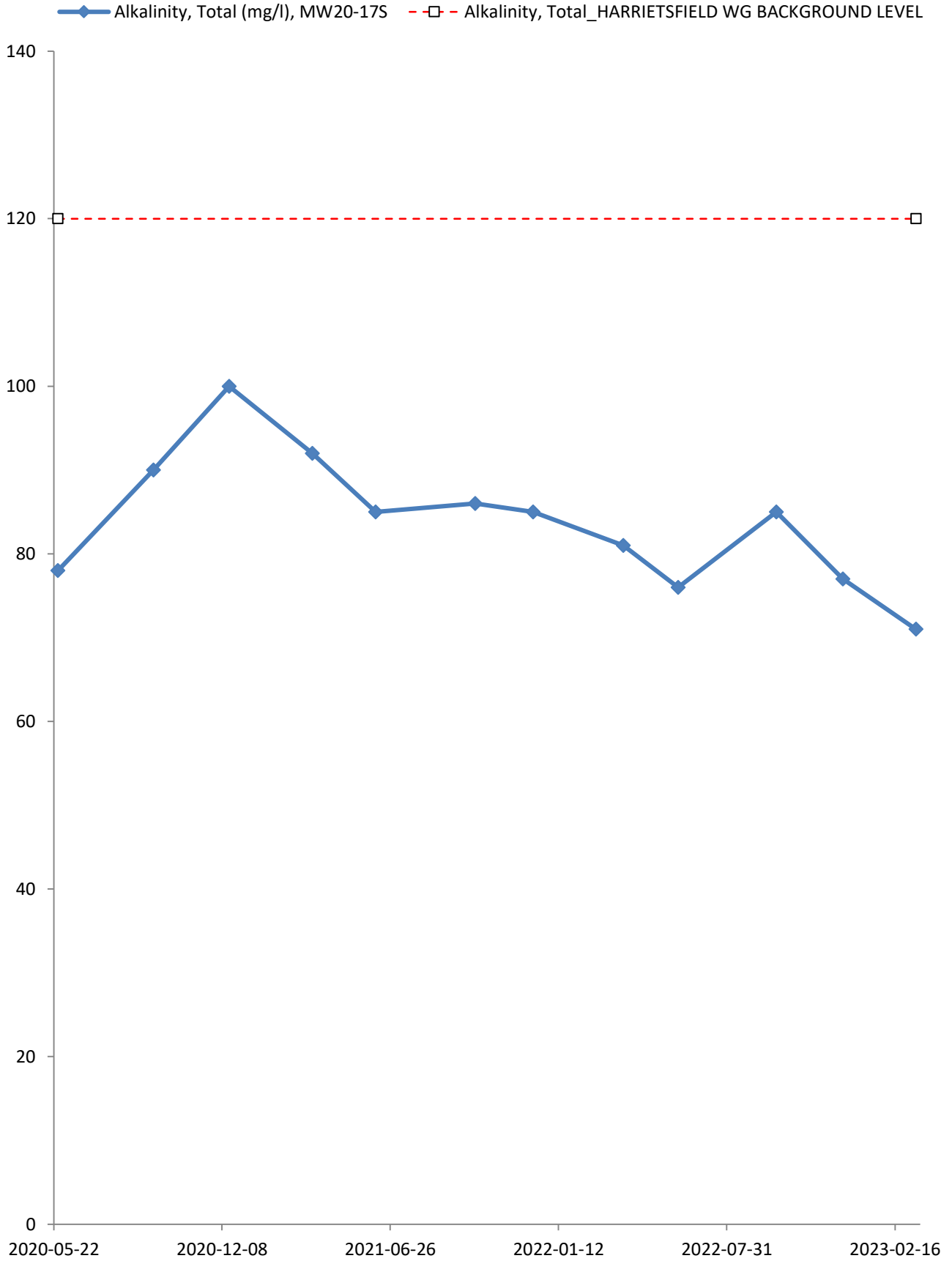


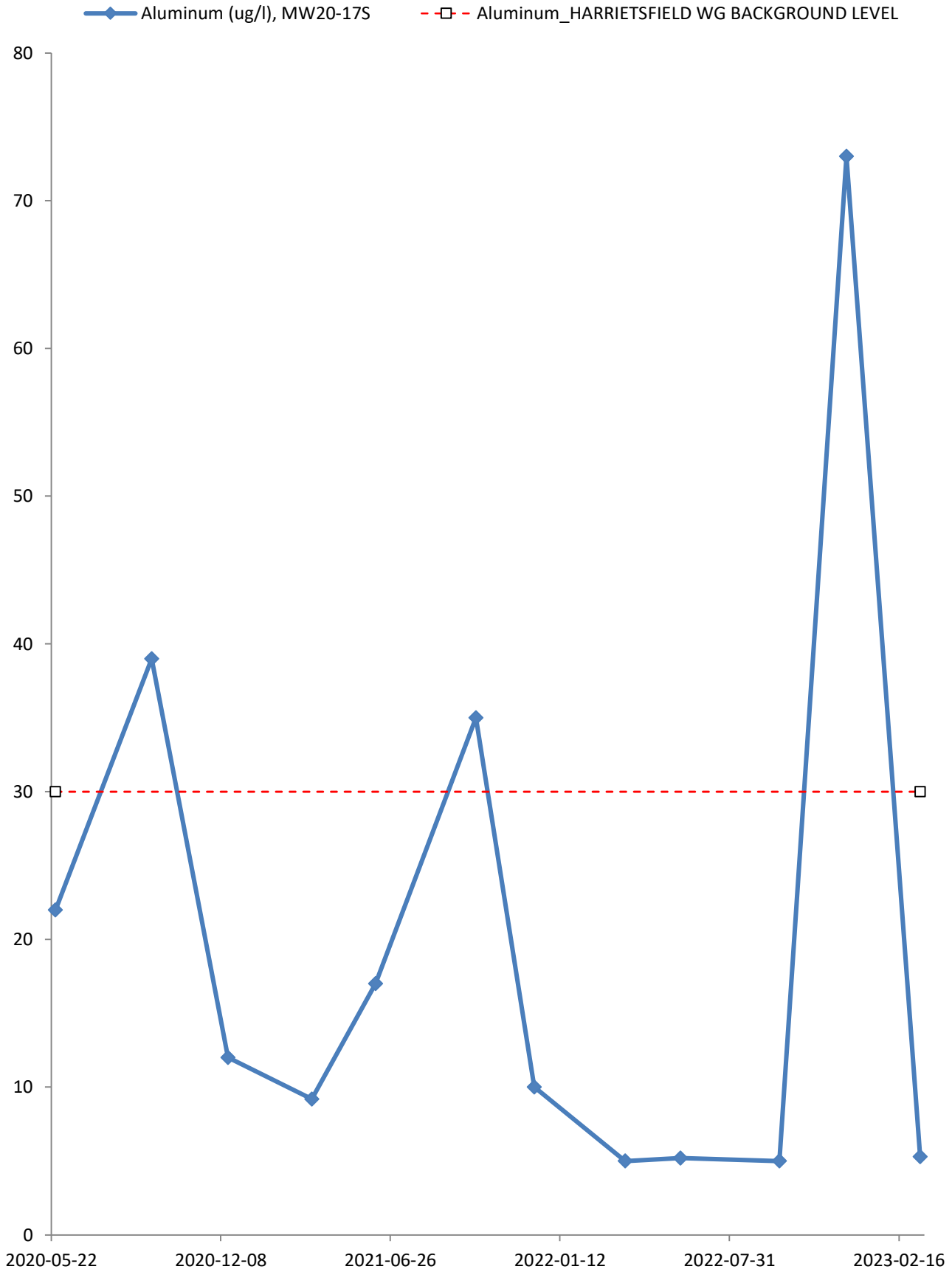
- Alkalinity, Bicarbonate (mg/l), MW20-17S
- Alkalinity, Bicarbonate_HARRIETSFIELD WG BACKGROUND LEVEL

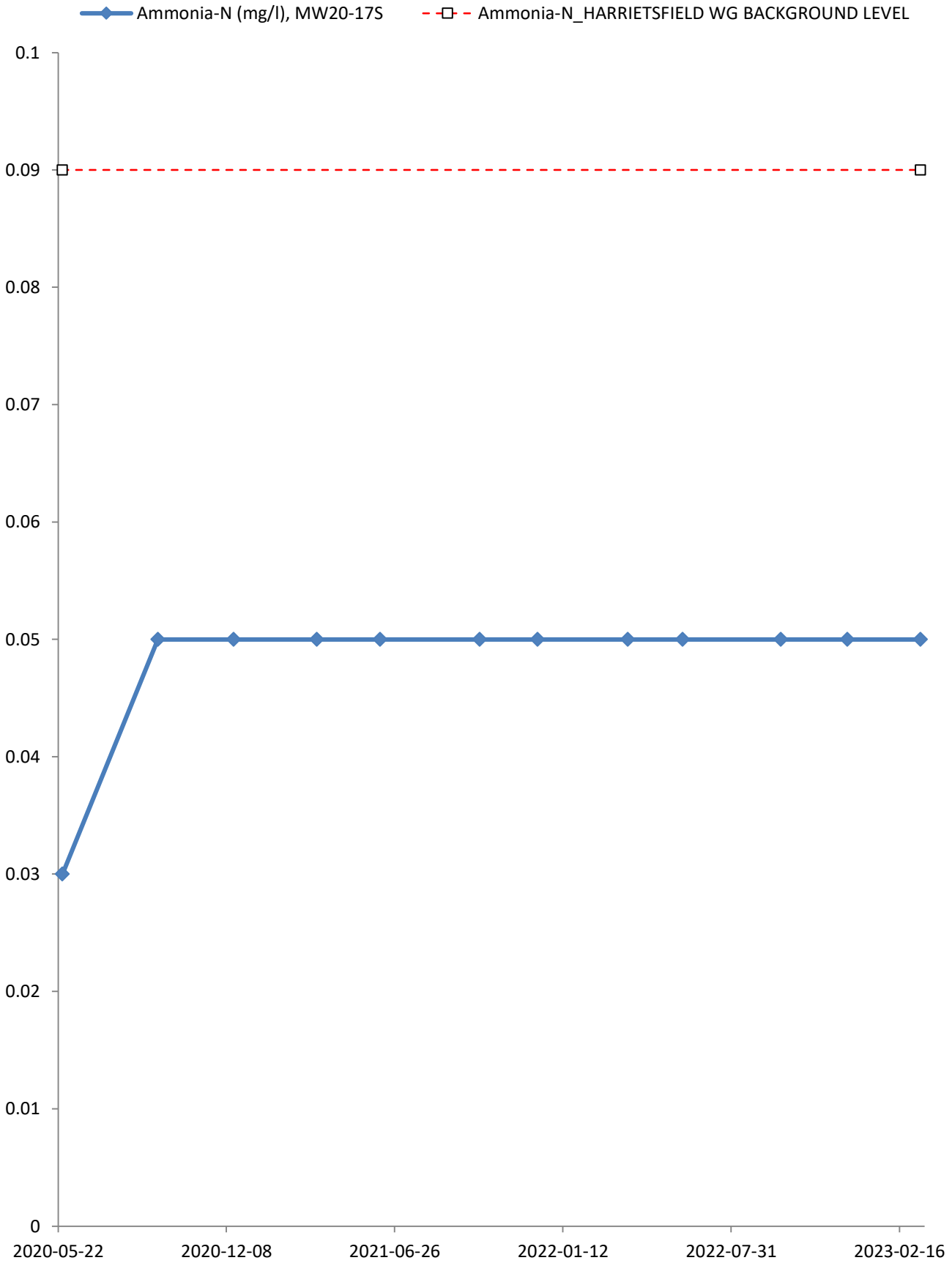


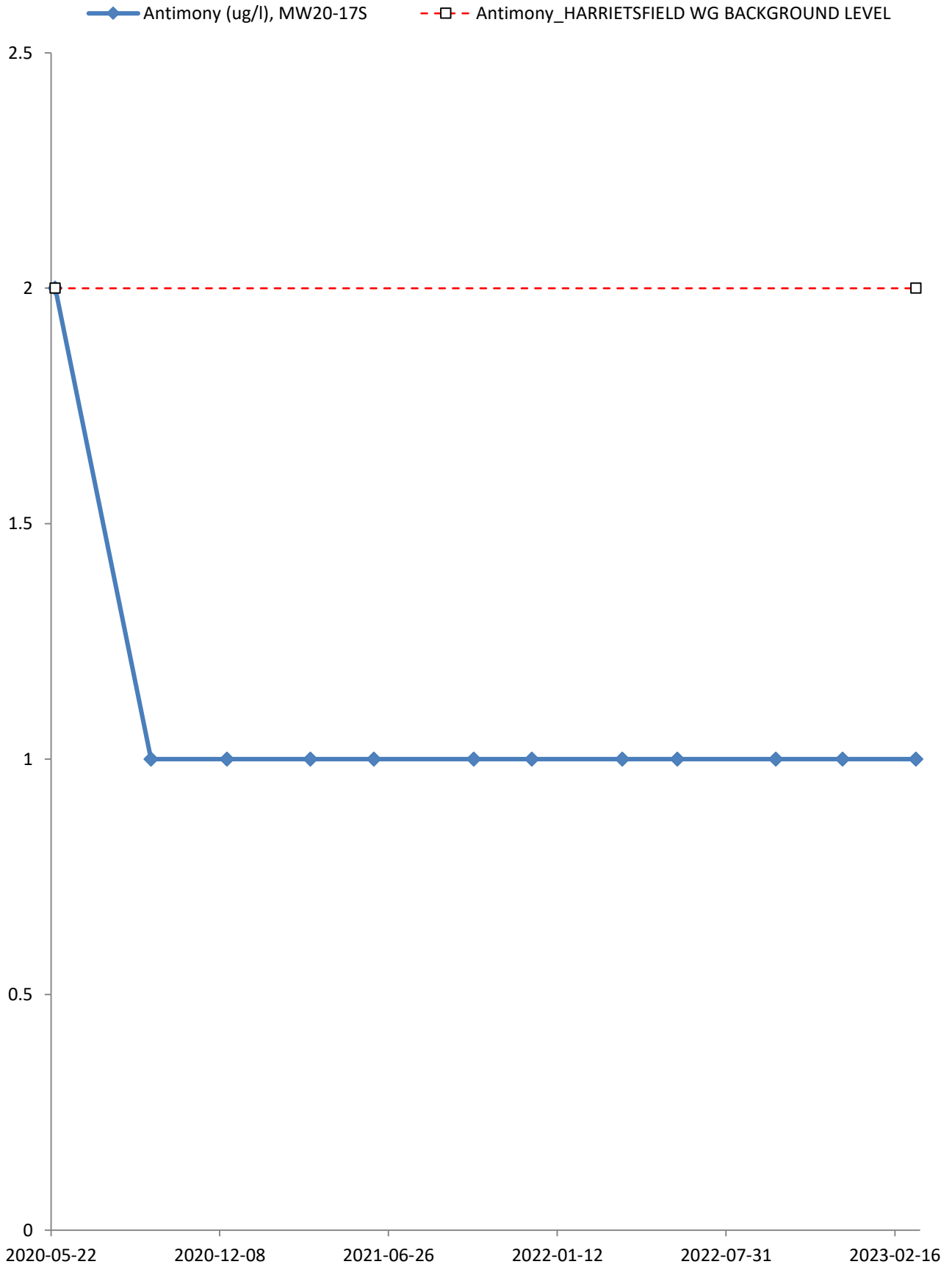
—◆— Alkalinity, Carbonate (mg/l), MW20-17S
- -□- - Alkalinity, Carbonate_HARRIETSFIELD WG BACKGROUND LEVEL

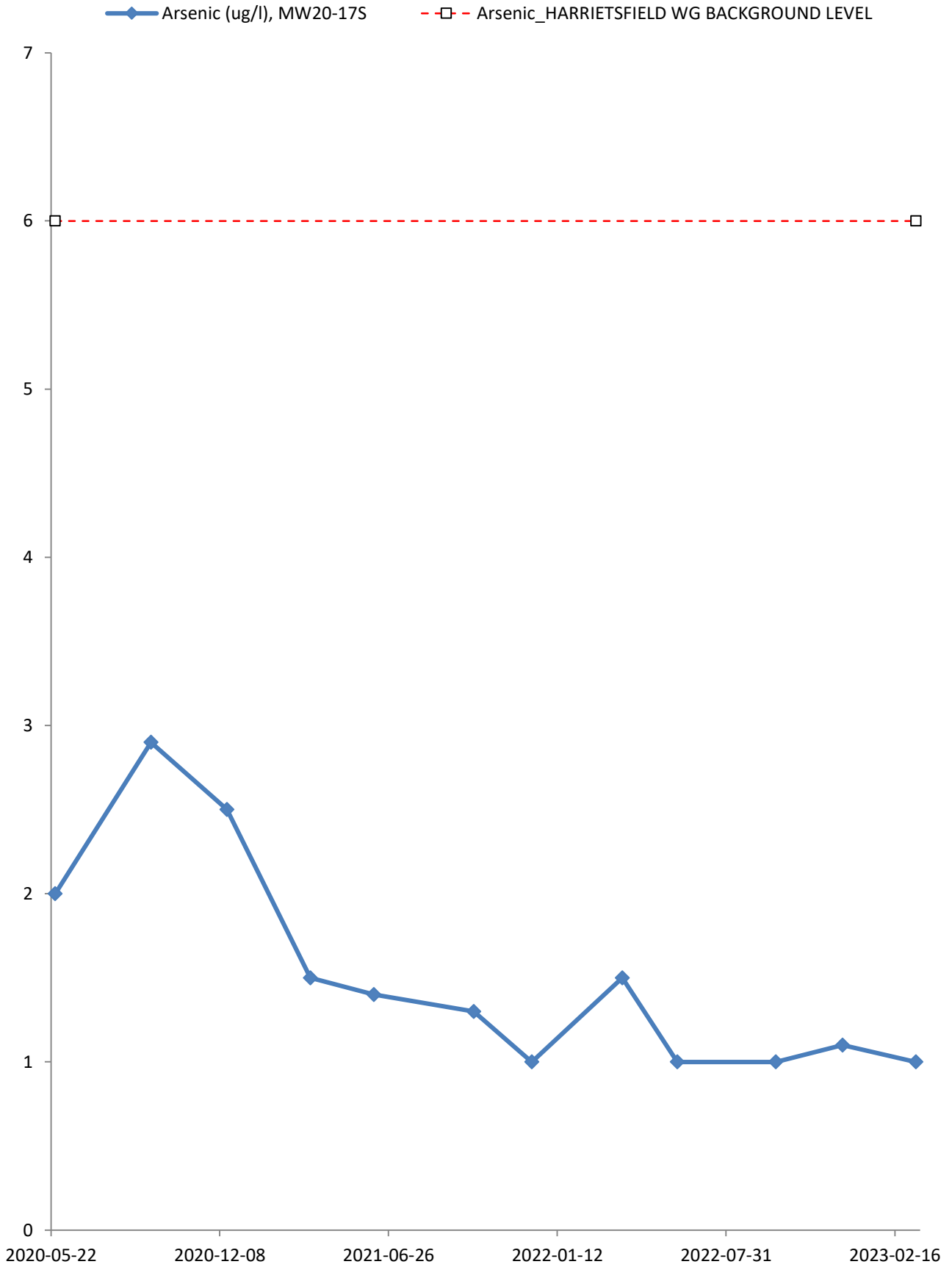


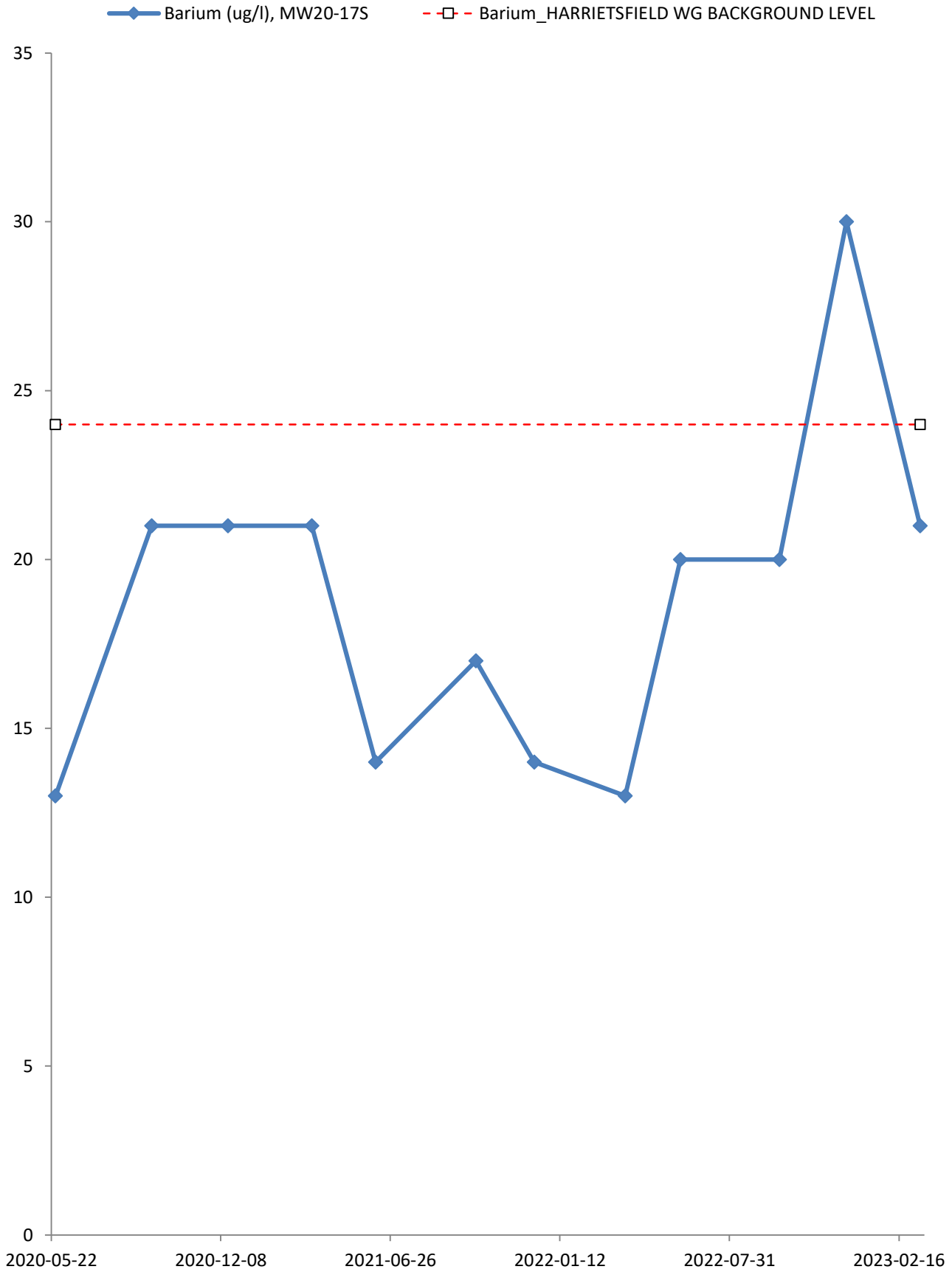


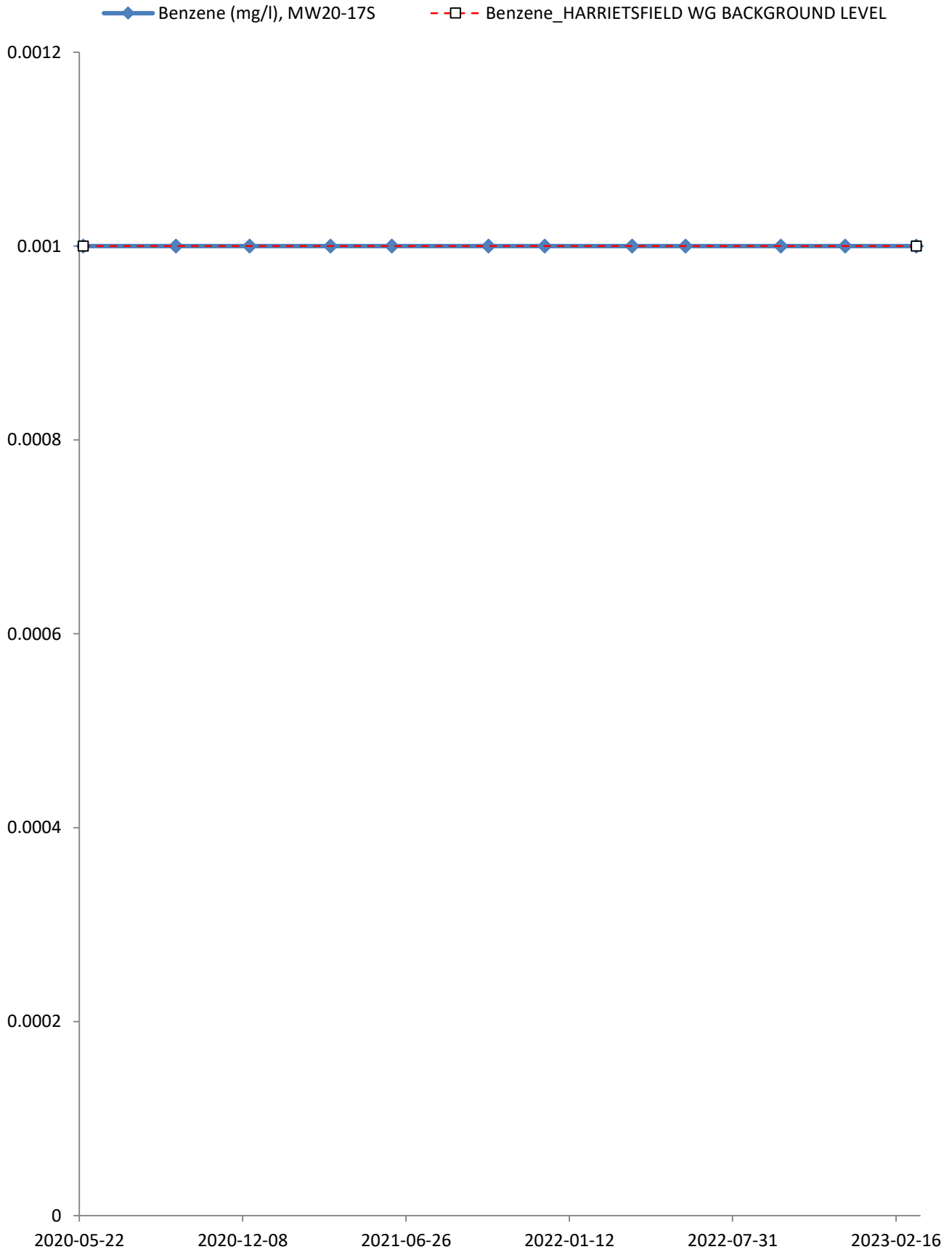


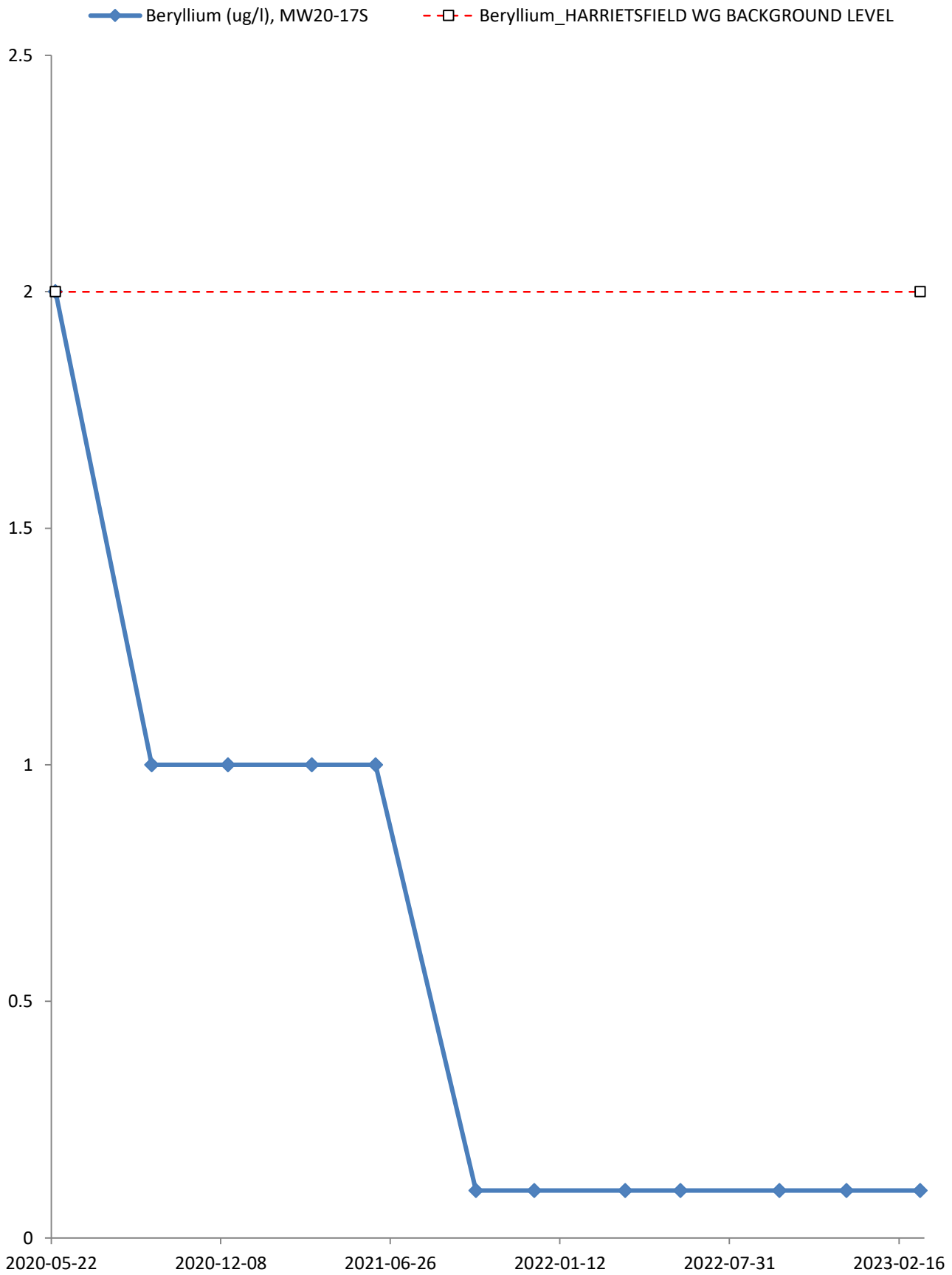


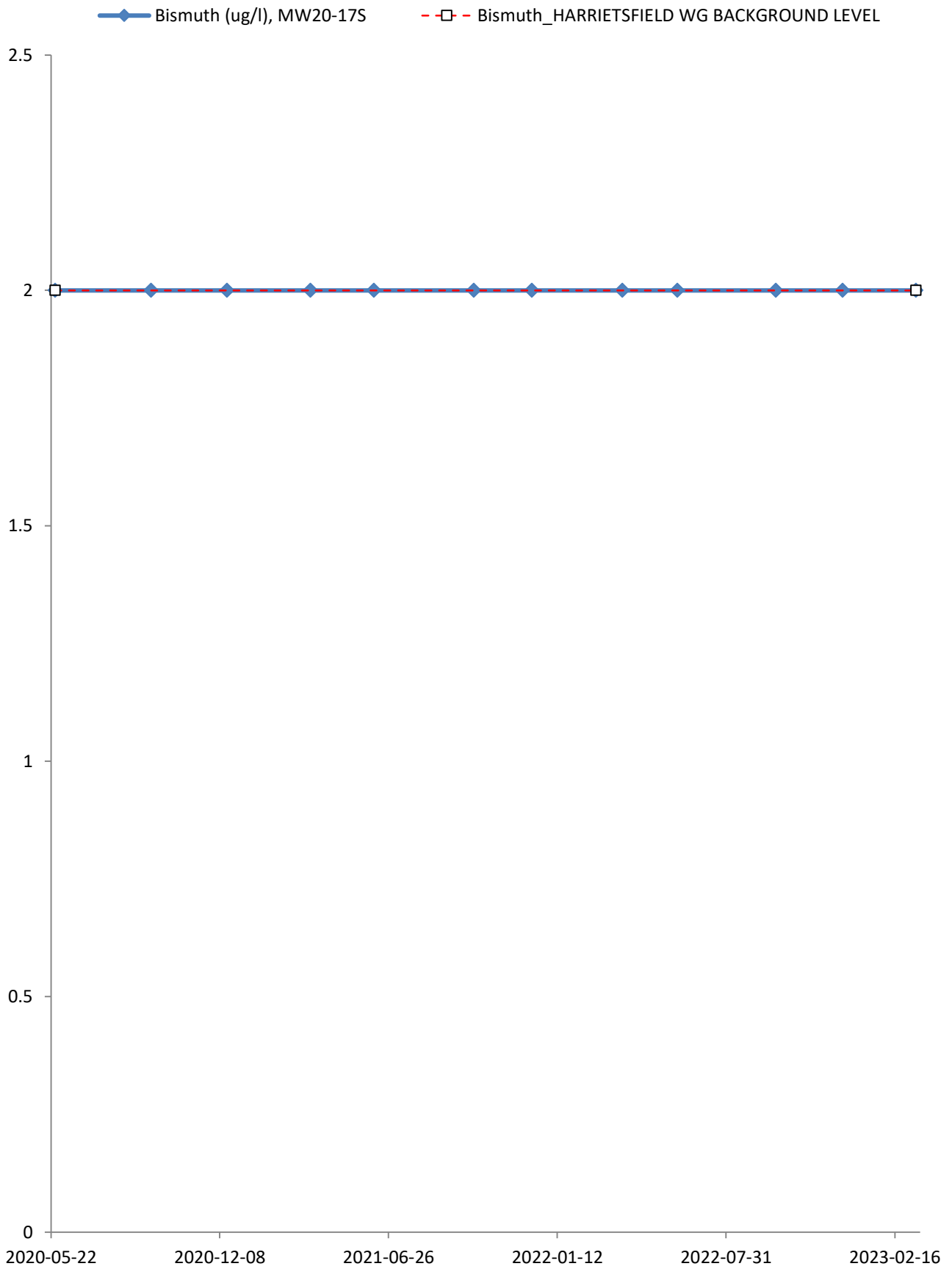


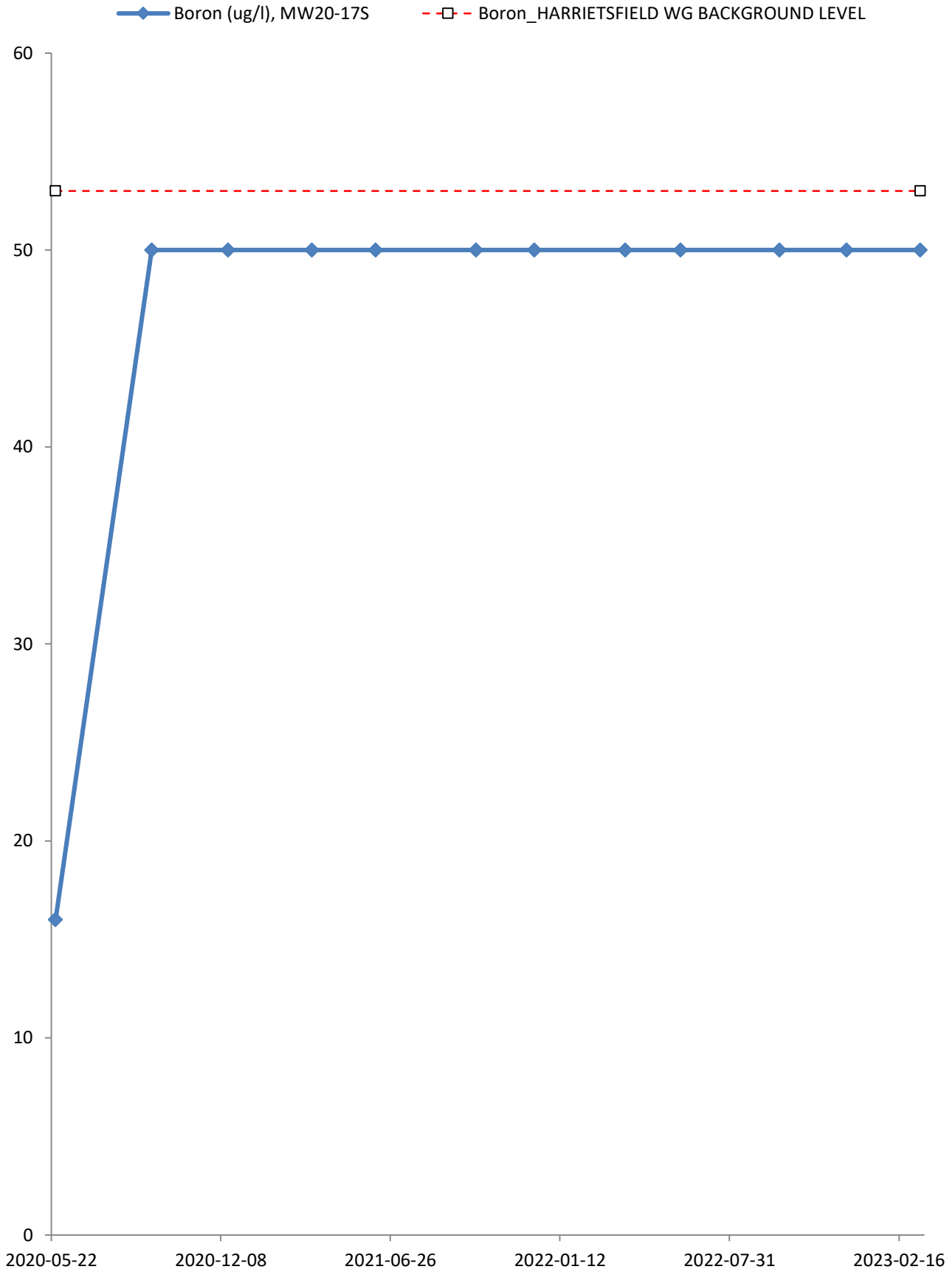


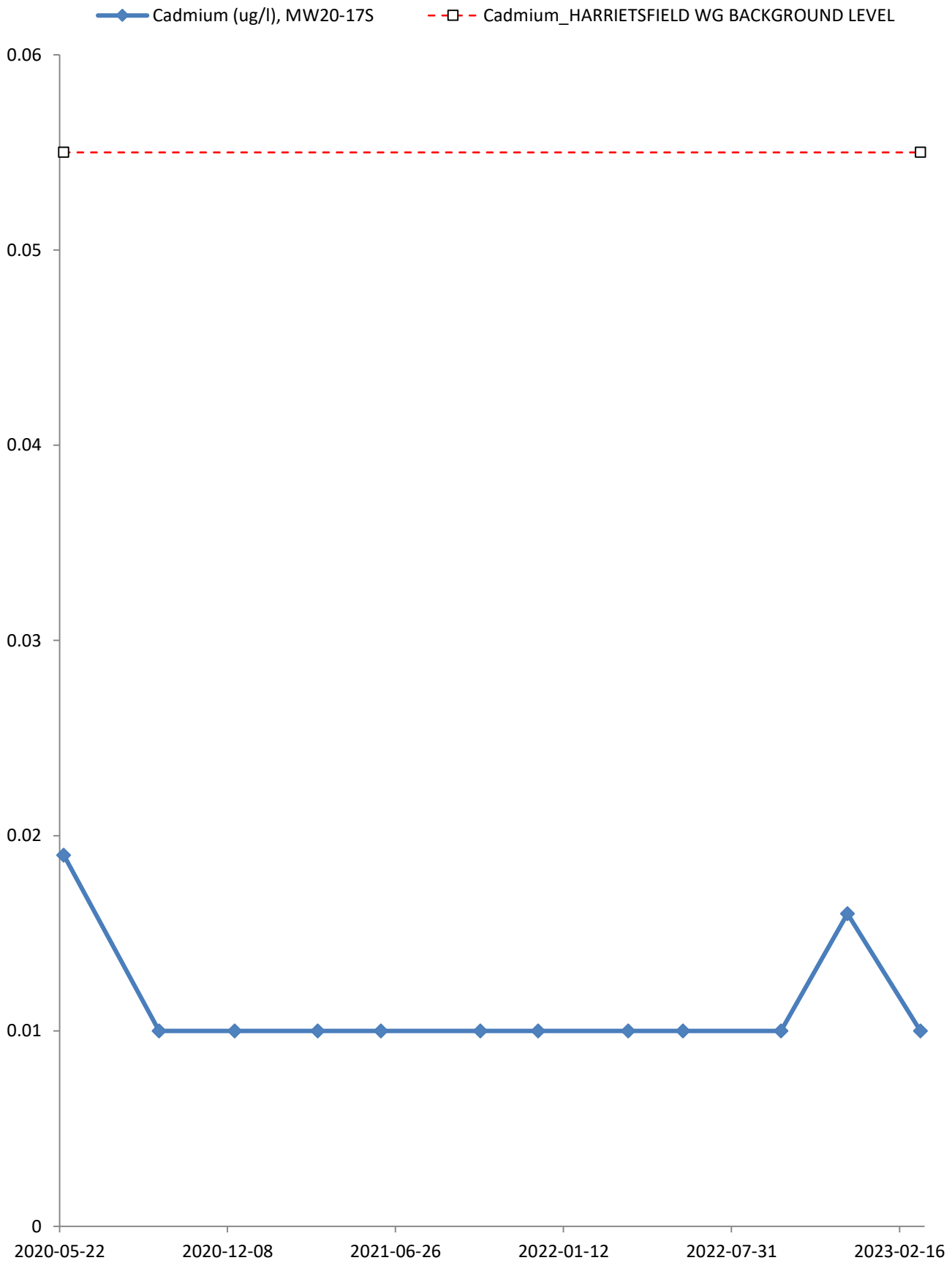


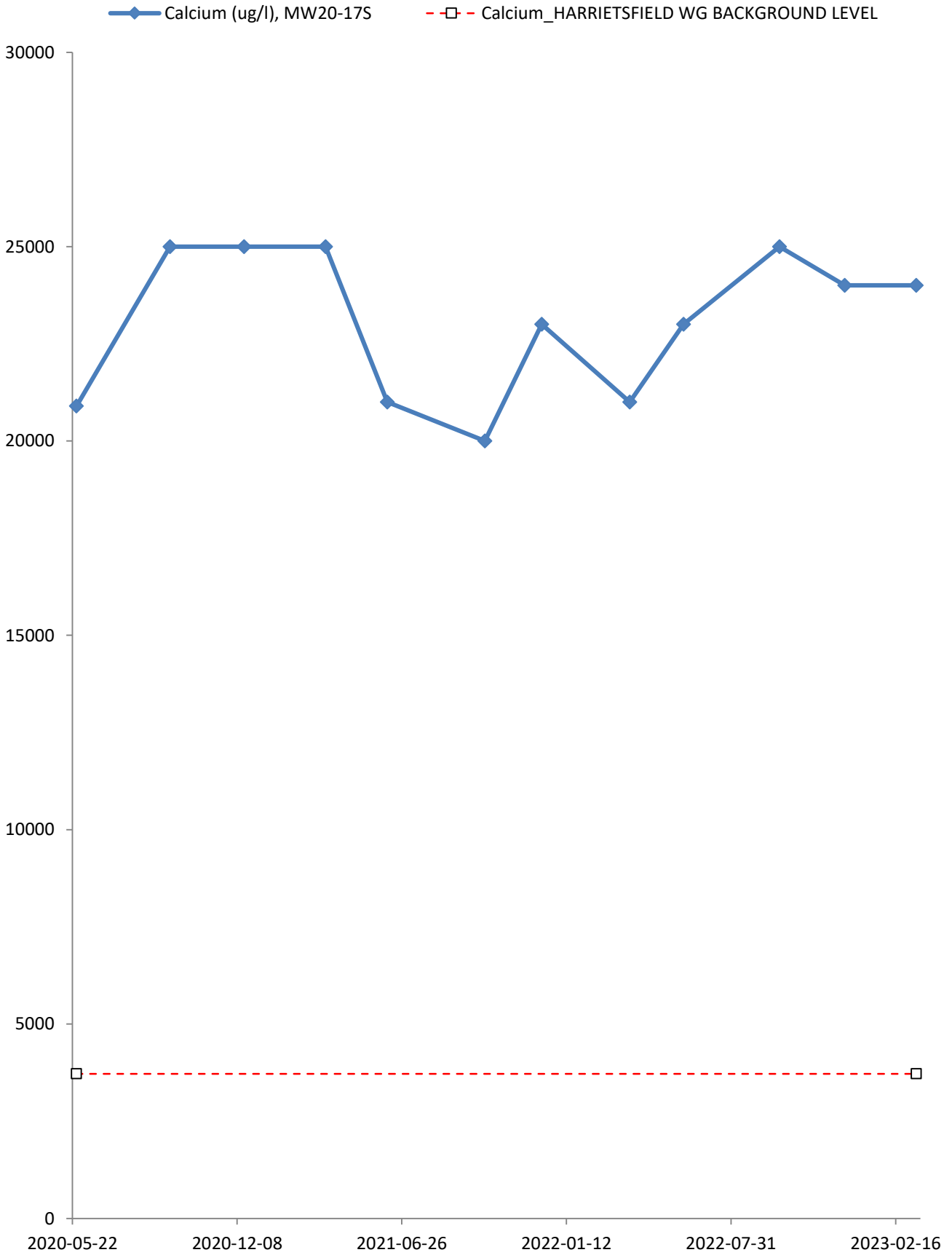




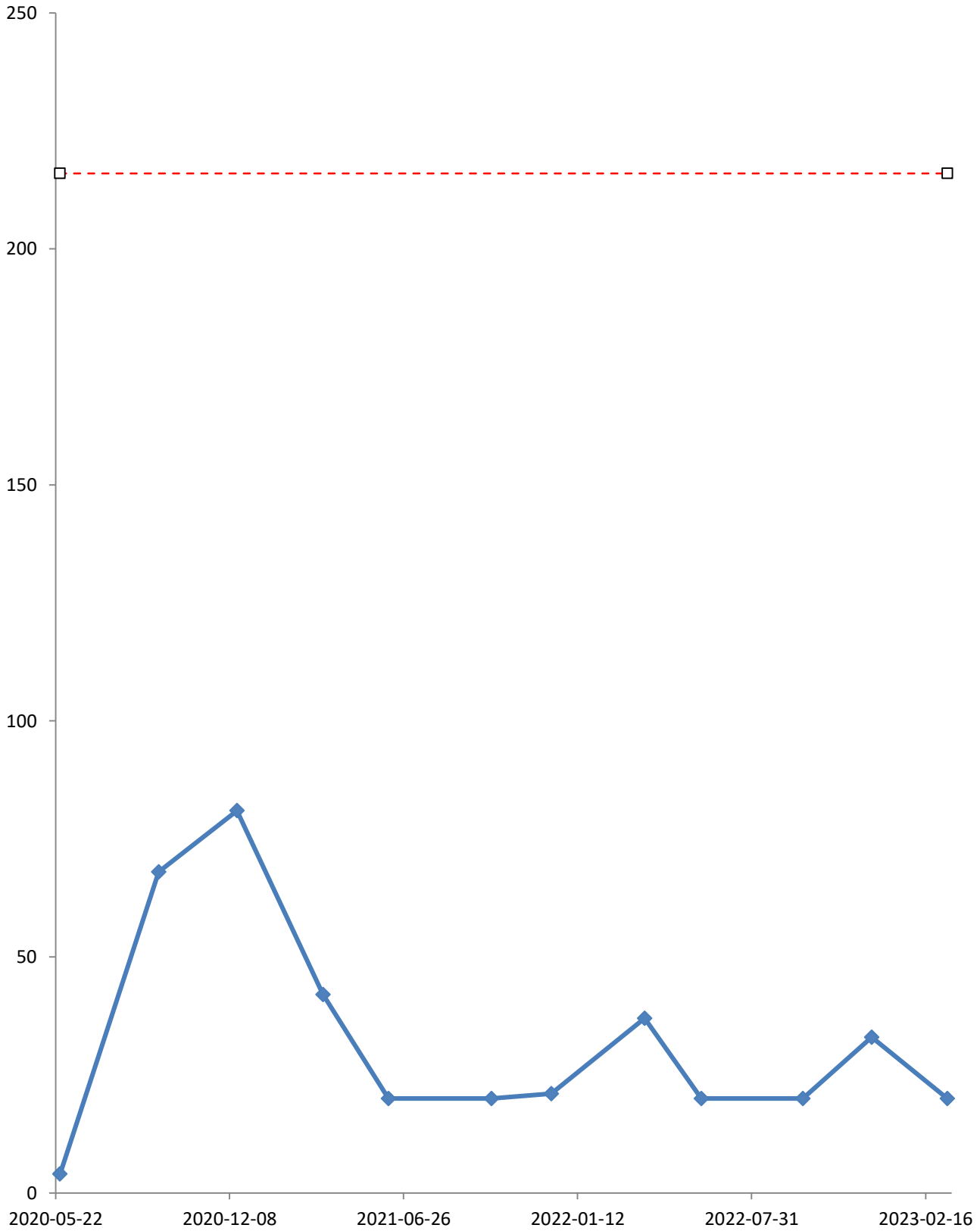


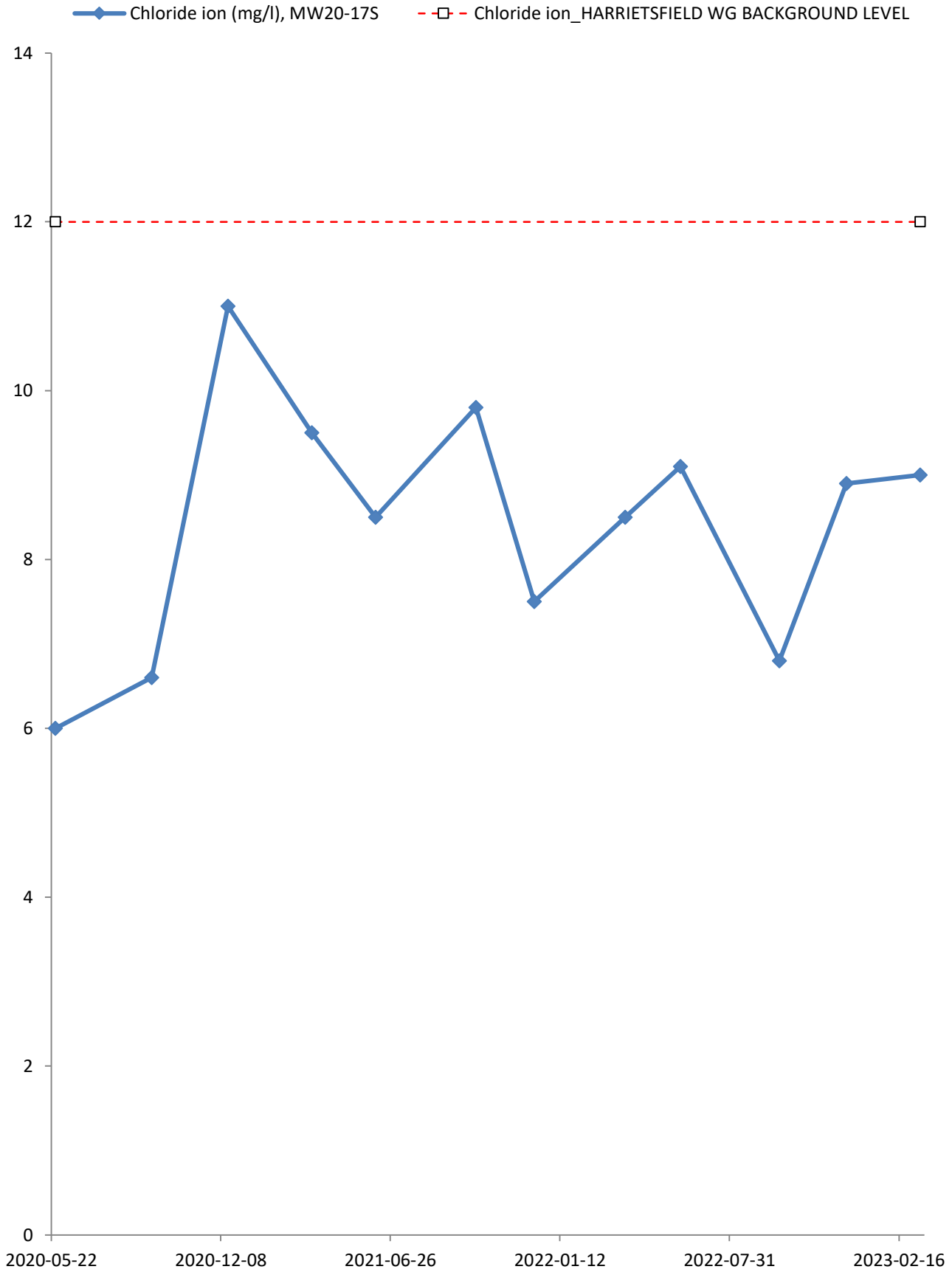


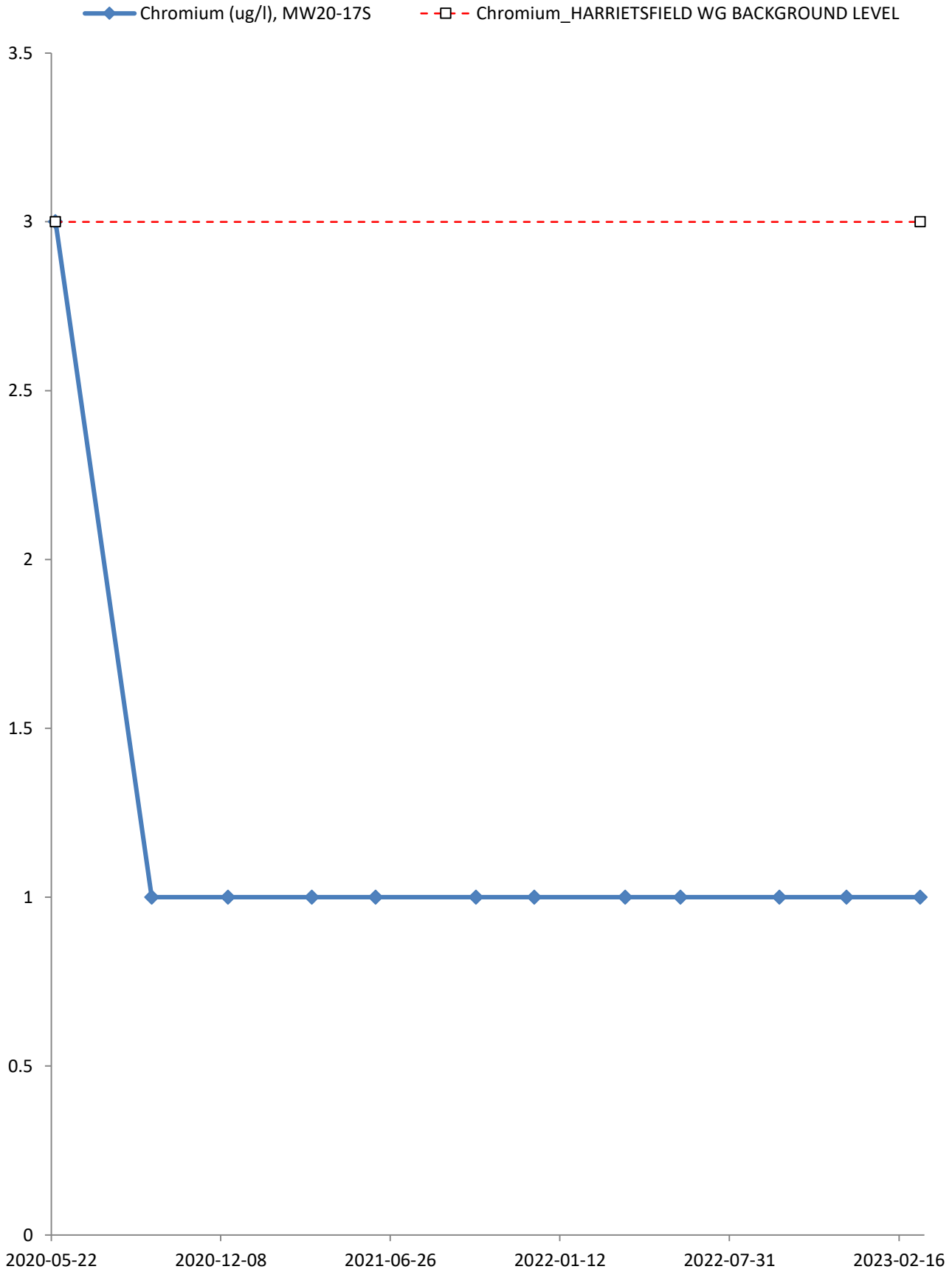


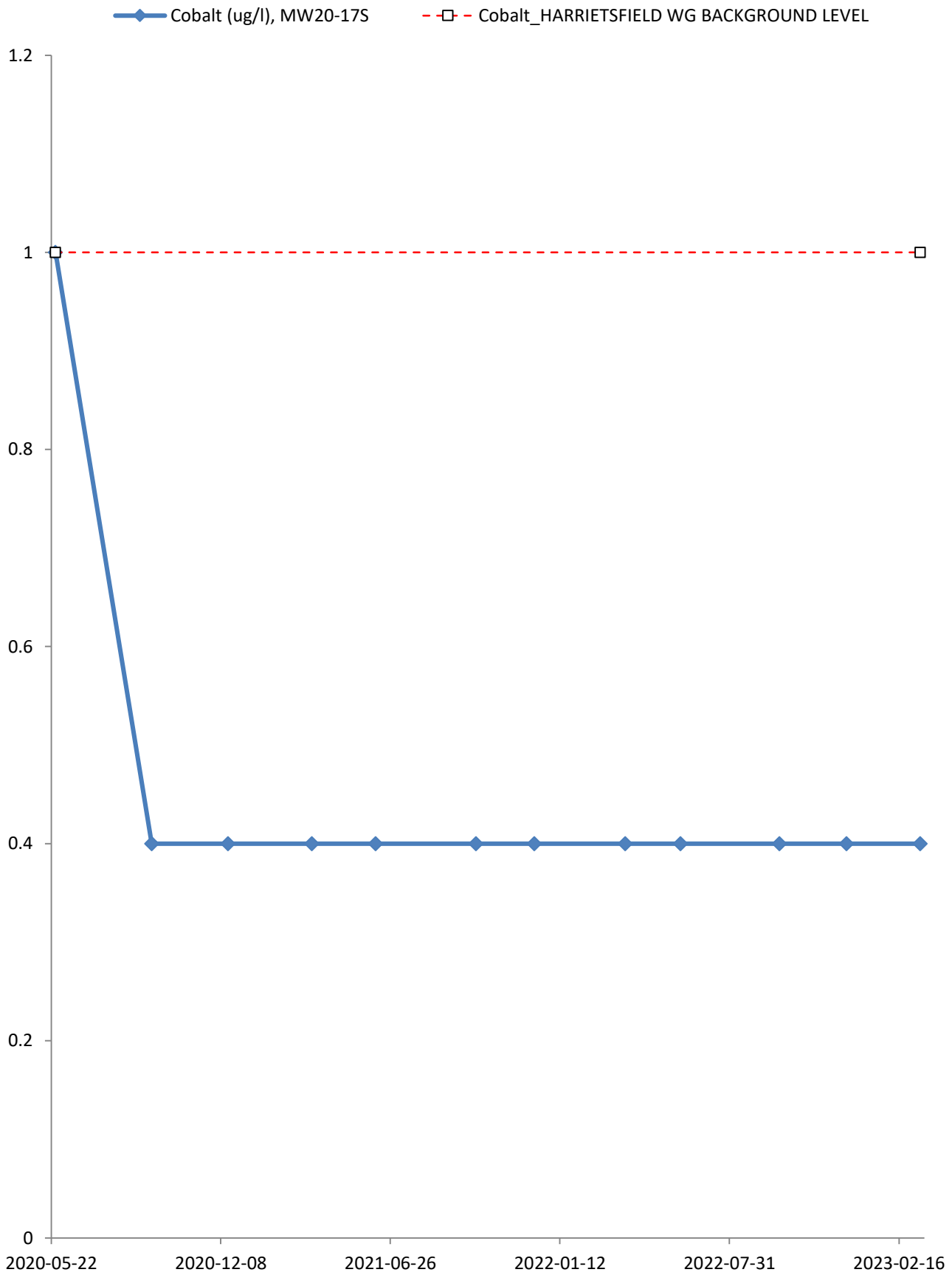


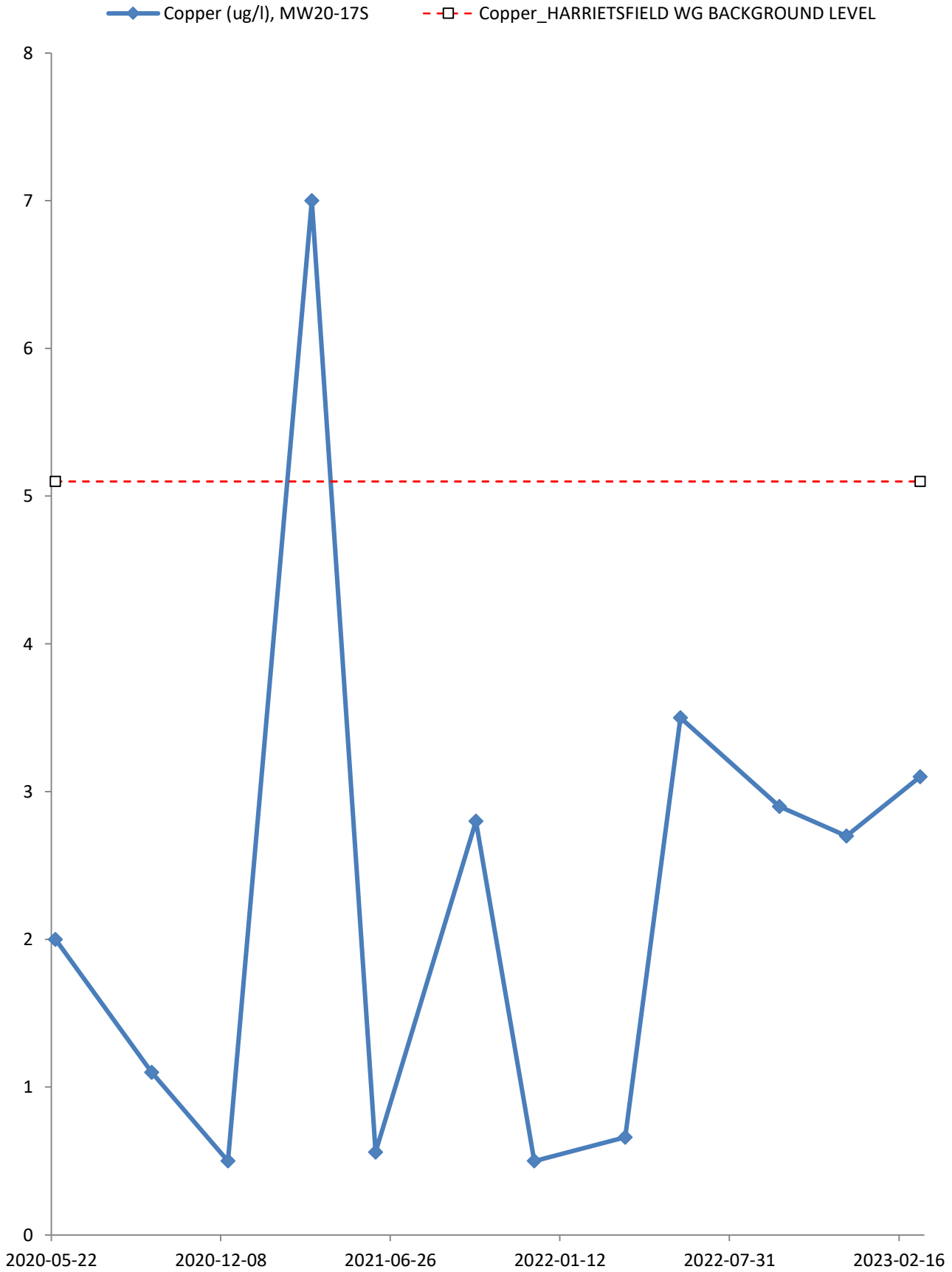
—◆— Chemical Oxygen Demand (mg/l), MW20-17S
- - □ - - Chemical Oxygen Demand_HARRIETSFIELD WG BACKGROUND LEVEL



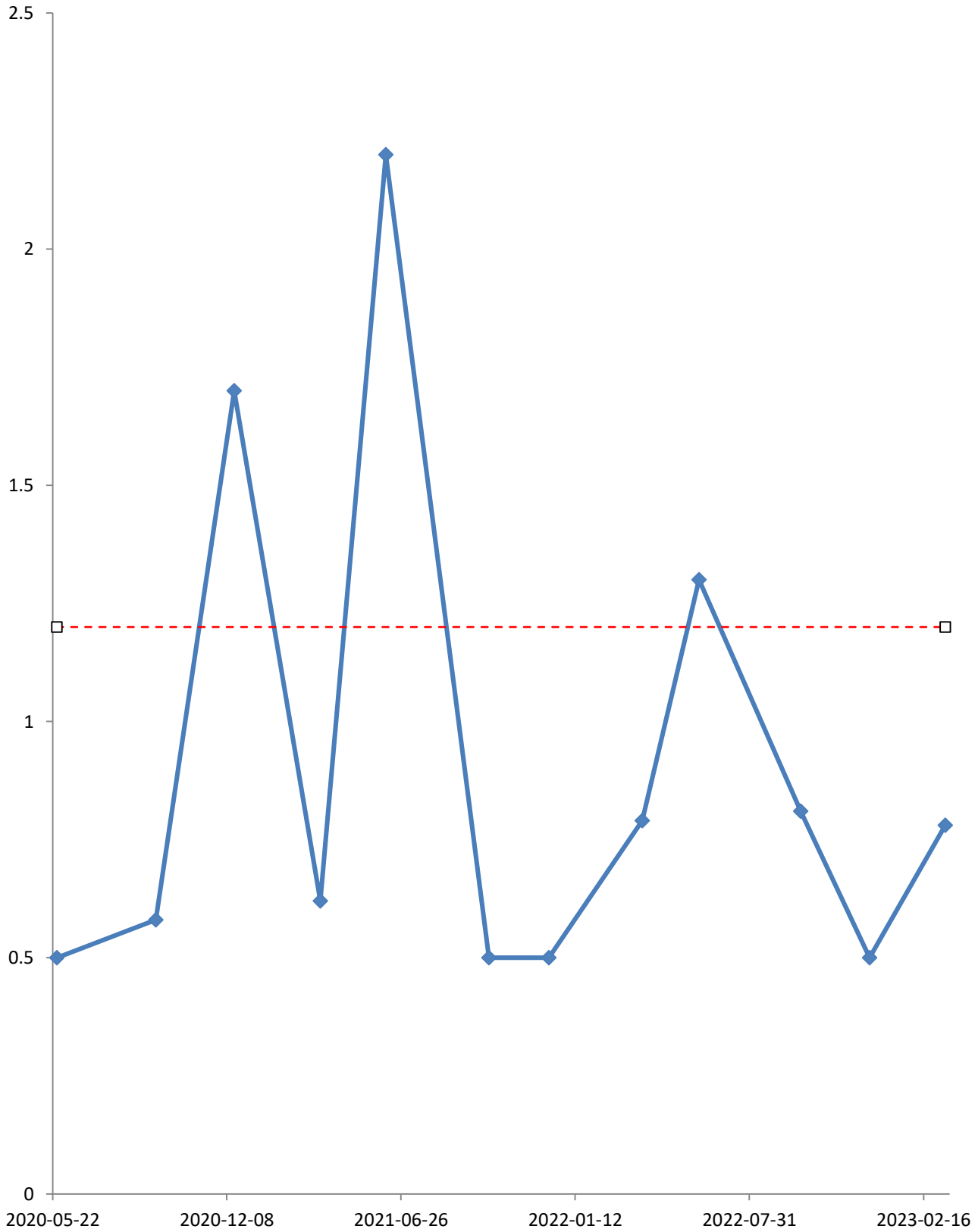




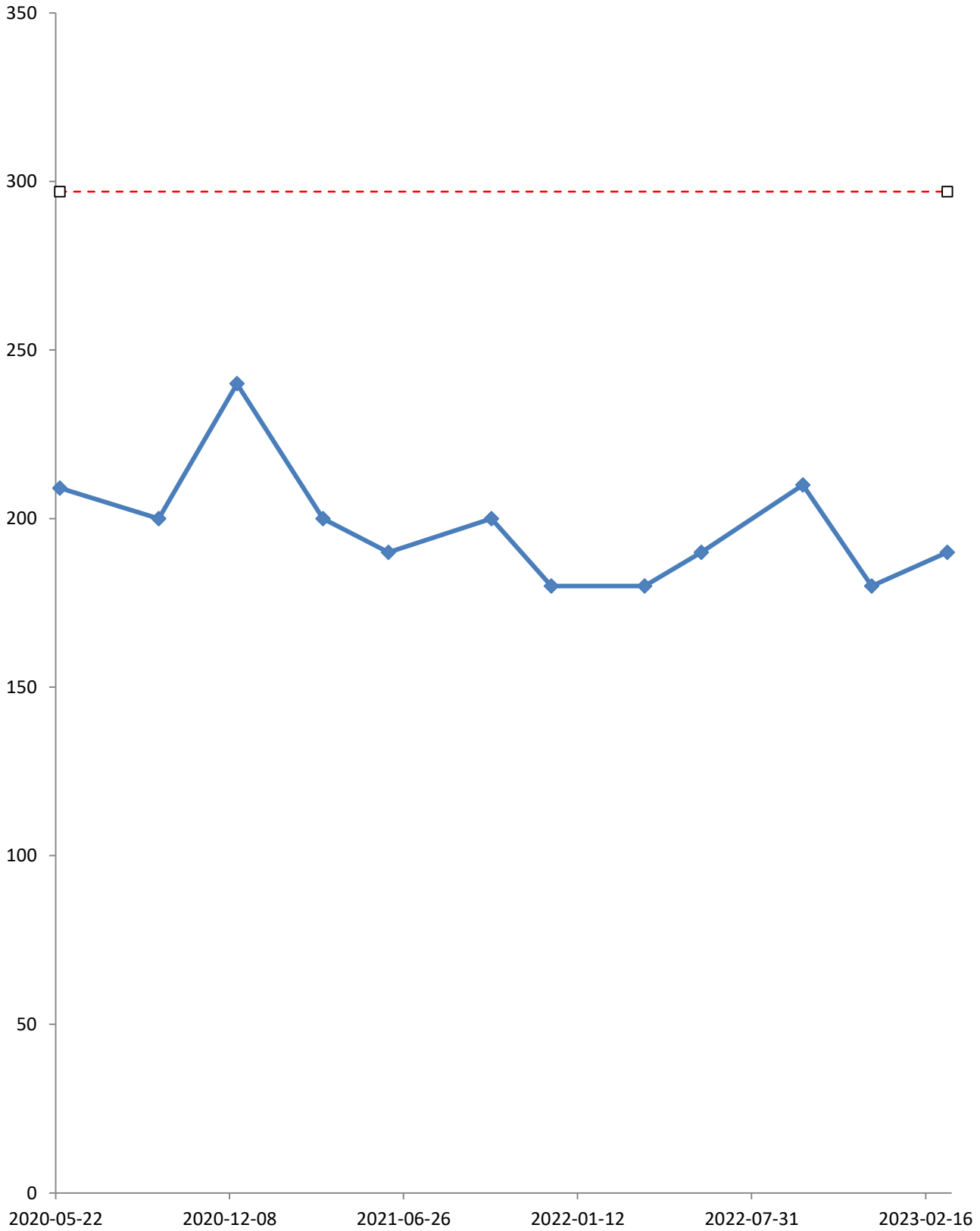


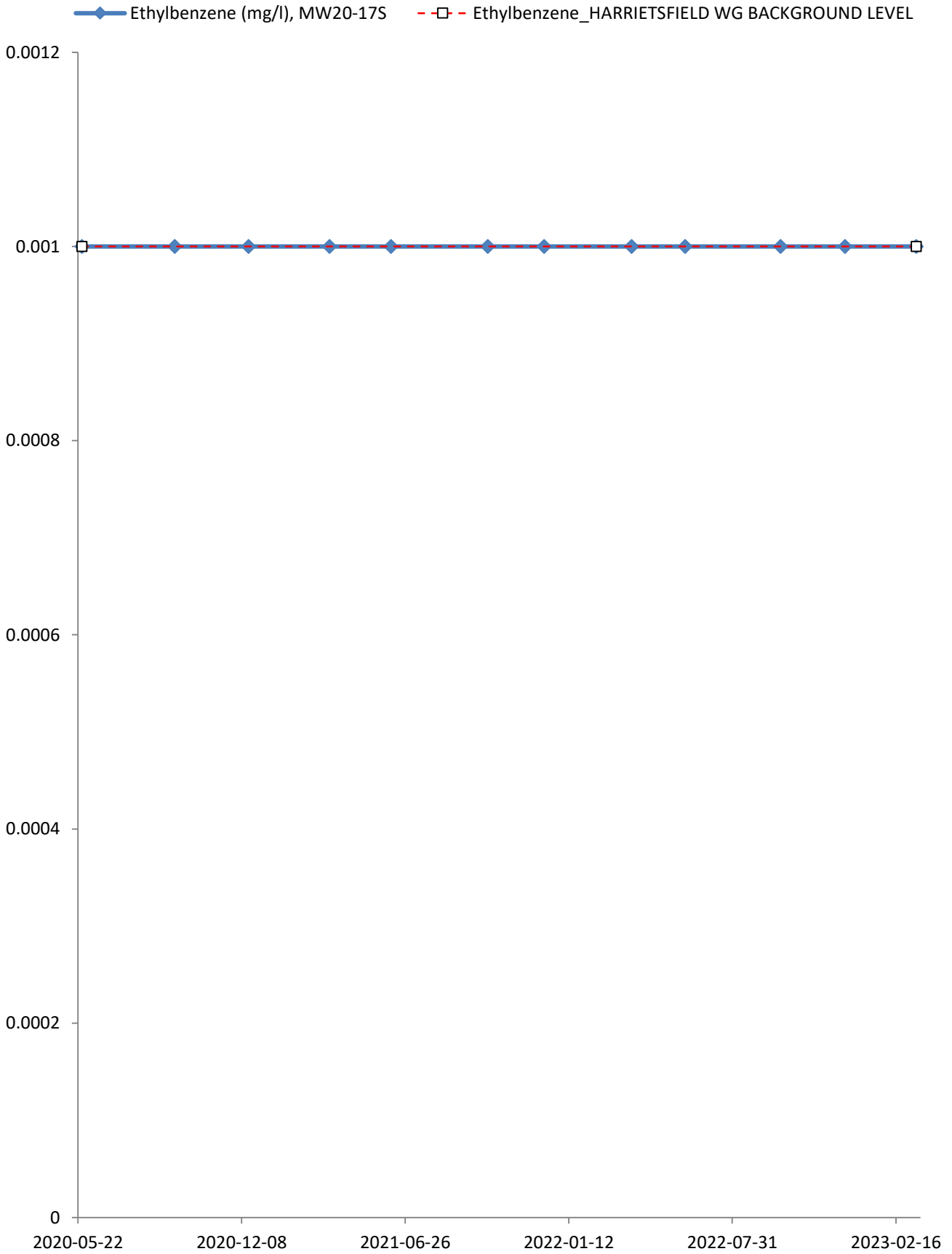


◆ Dissolved Organic Carbon (DOC) (mg/l), MW20-17S
-□- Dissolved Organic Carbon (DOC)_HARRIETSFIELD WG BACKGROUND LEVEL

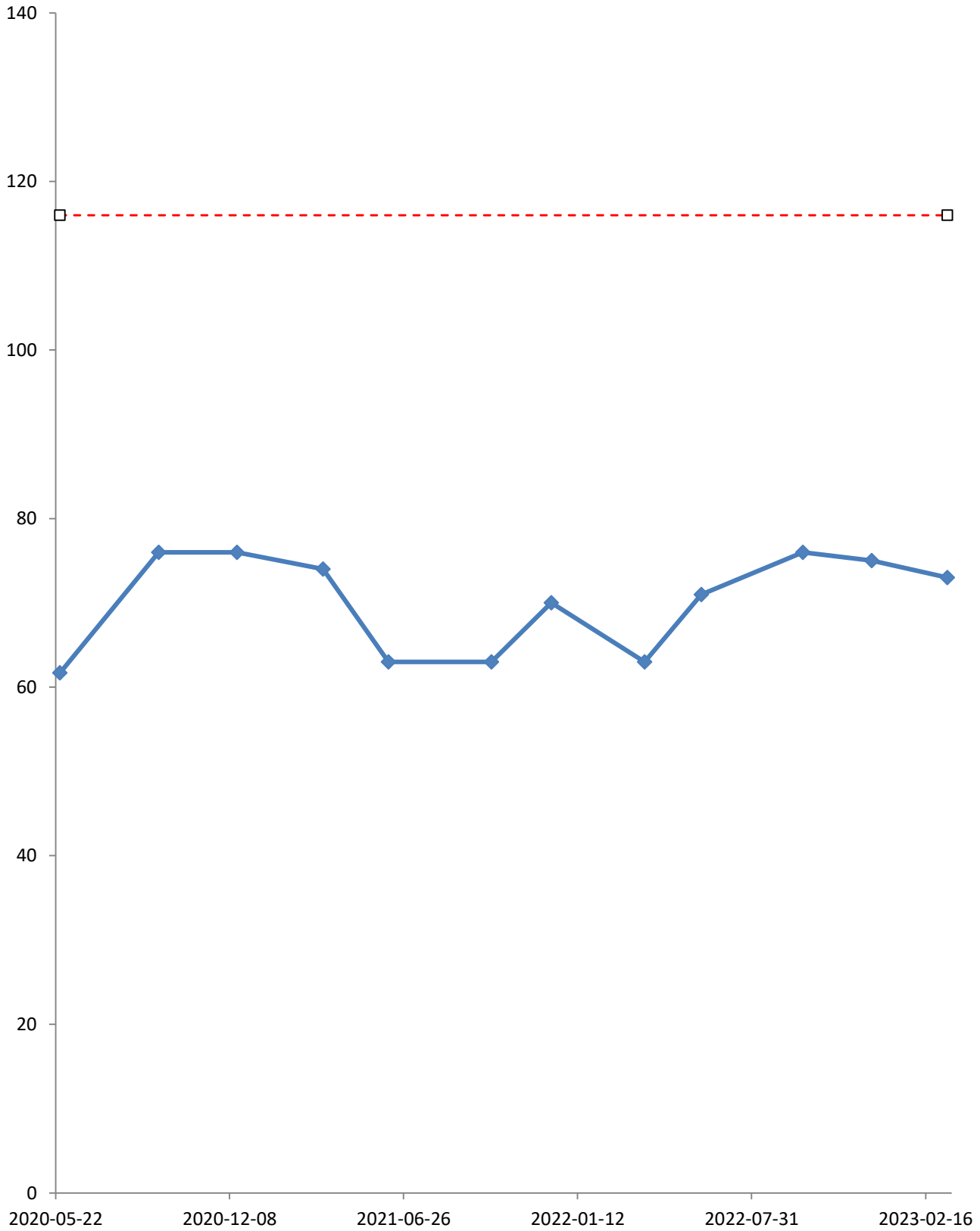


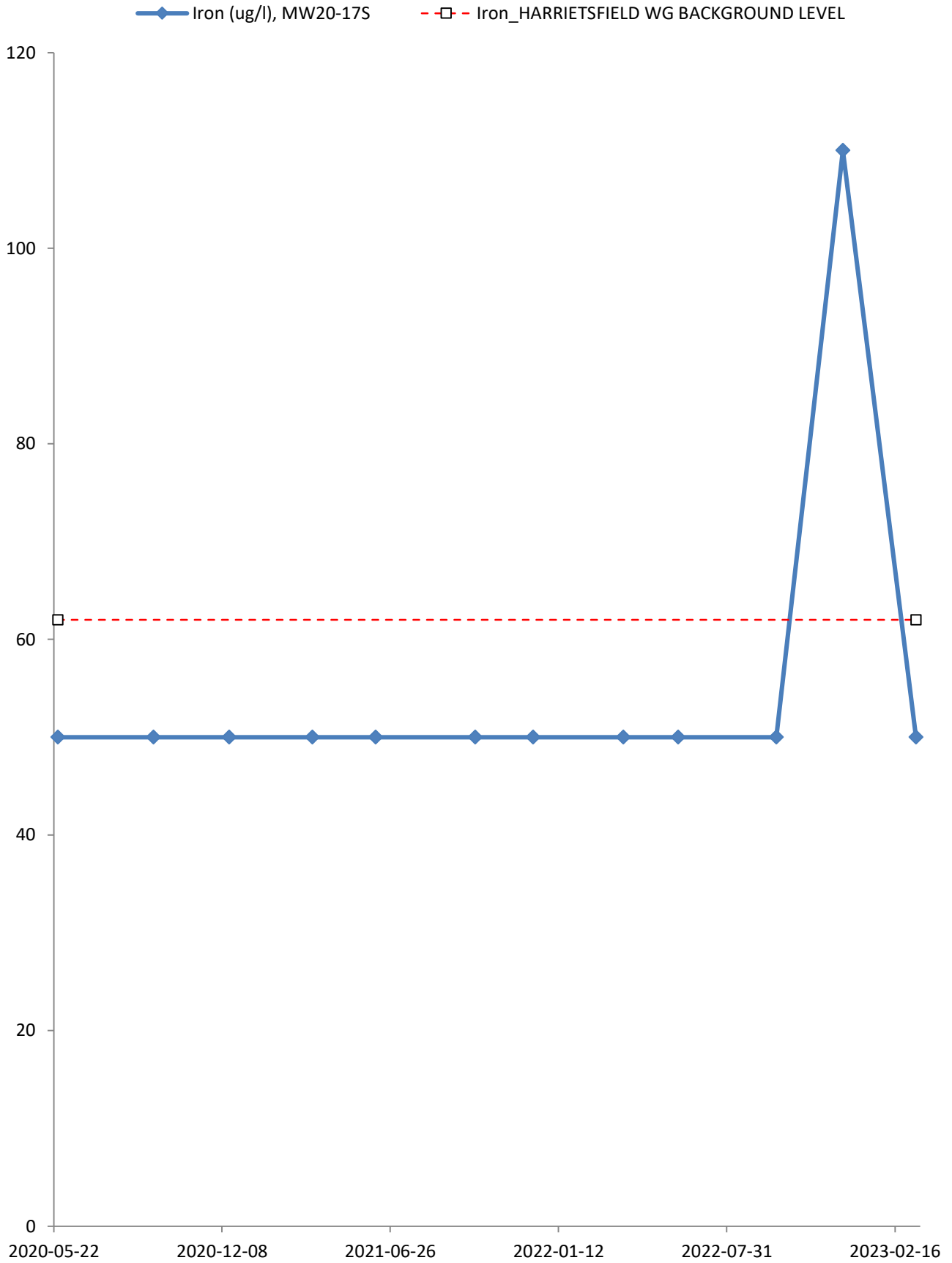
—◆— Electrical Conductivity (umhos/cm), MW20-17S
- -□- - Electrical Conductivity_HARRIETSFIELD WG BACKGROUND LEVEL

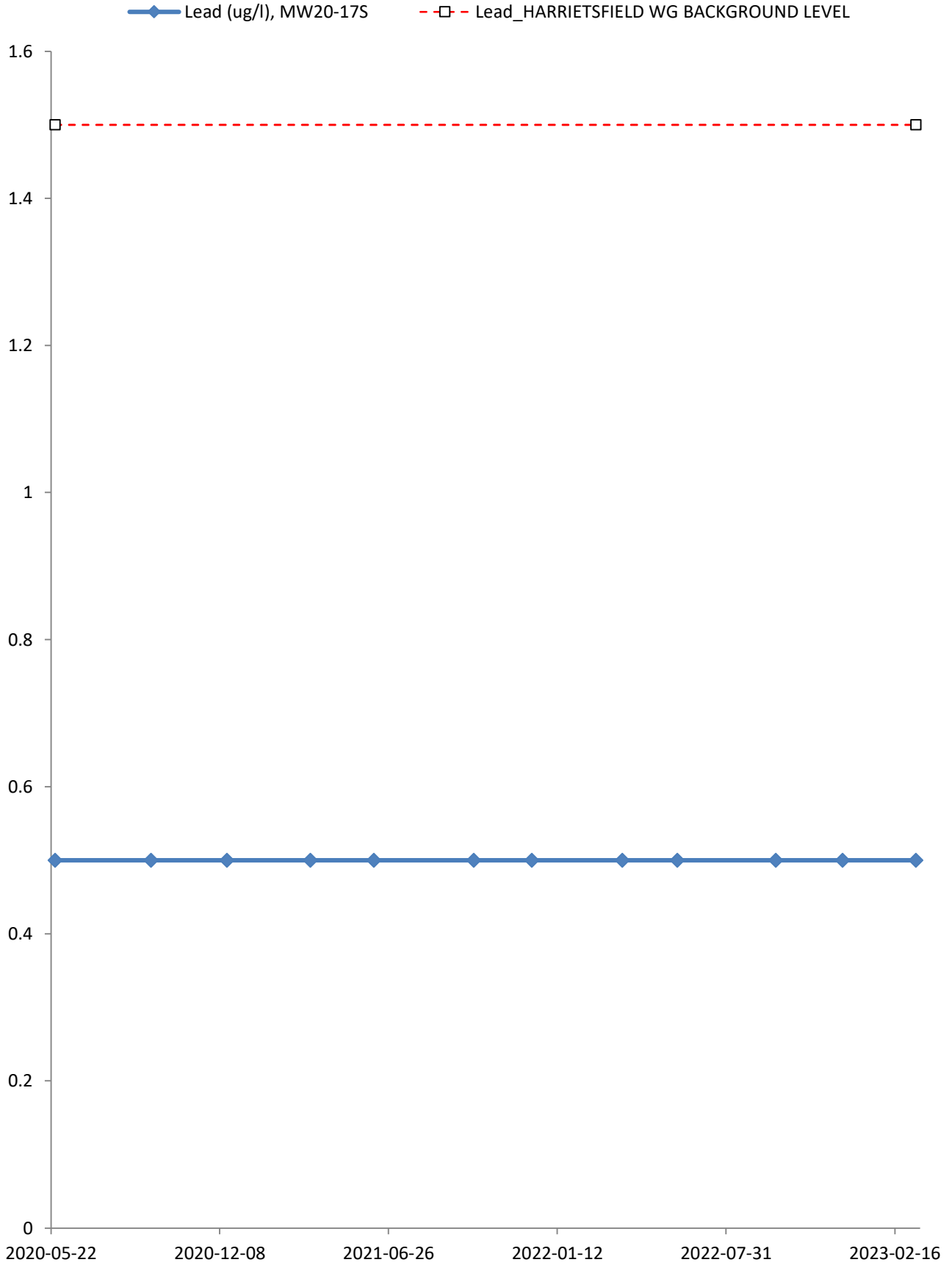


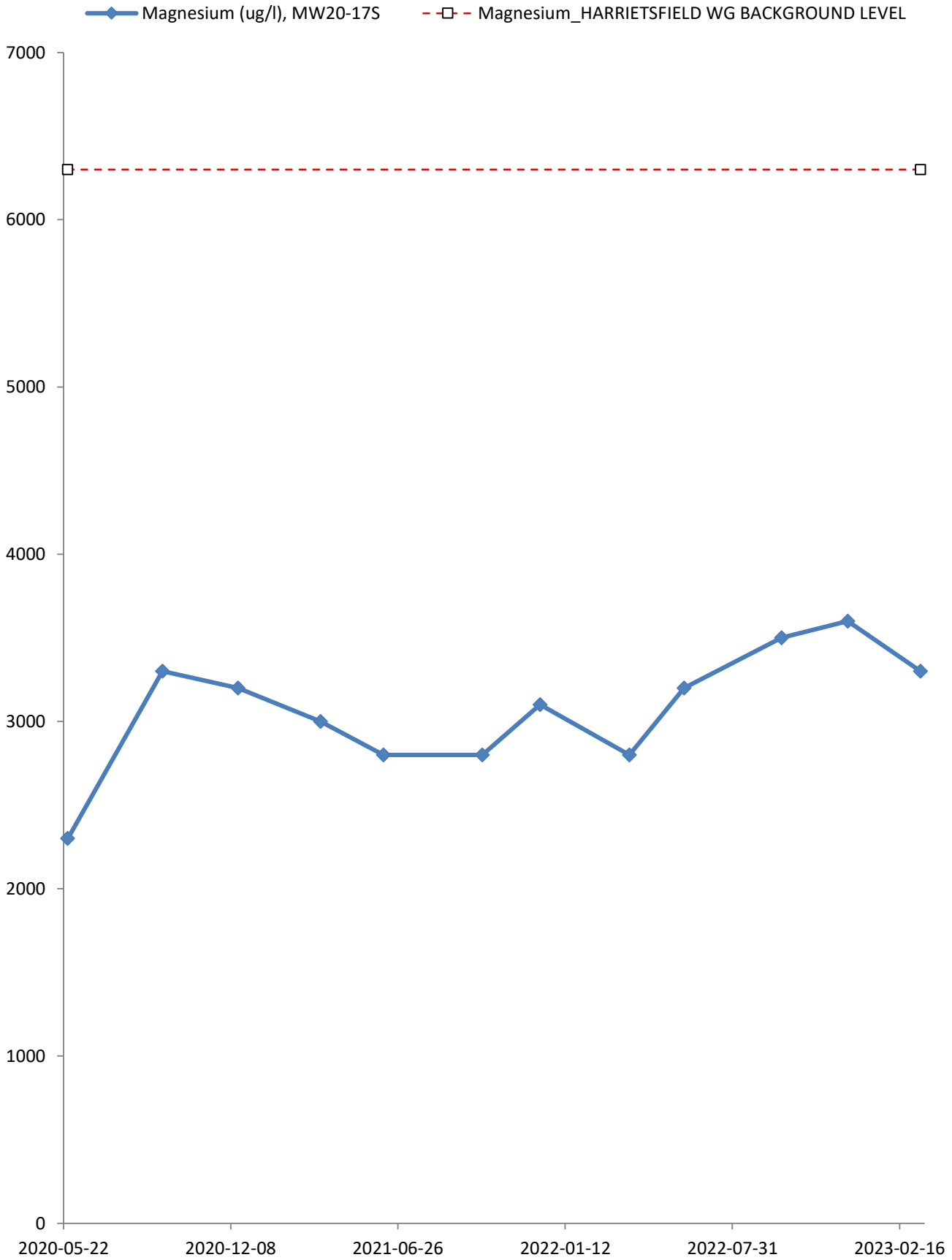


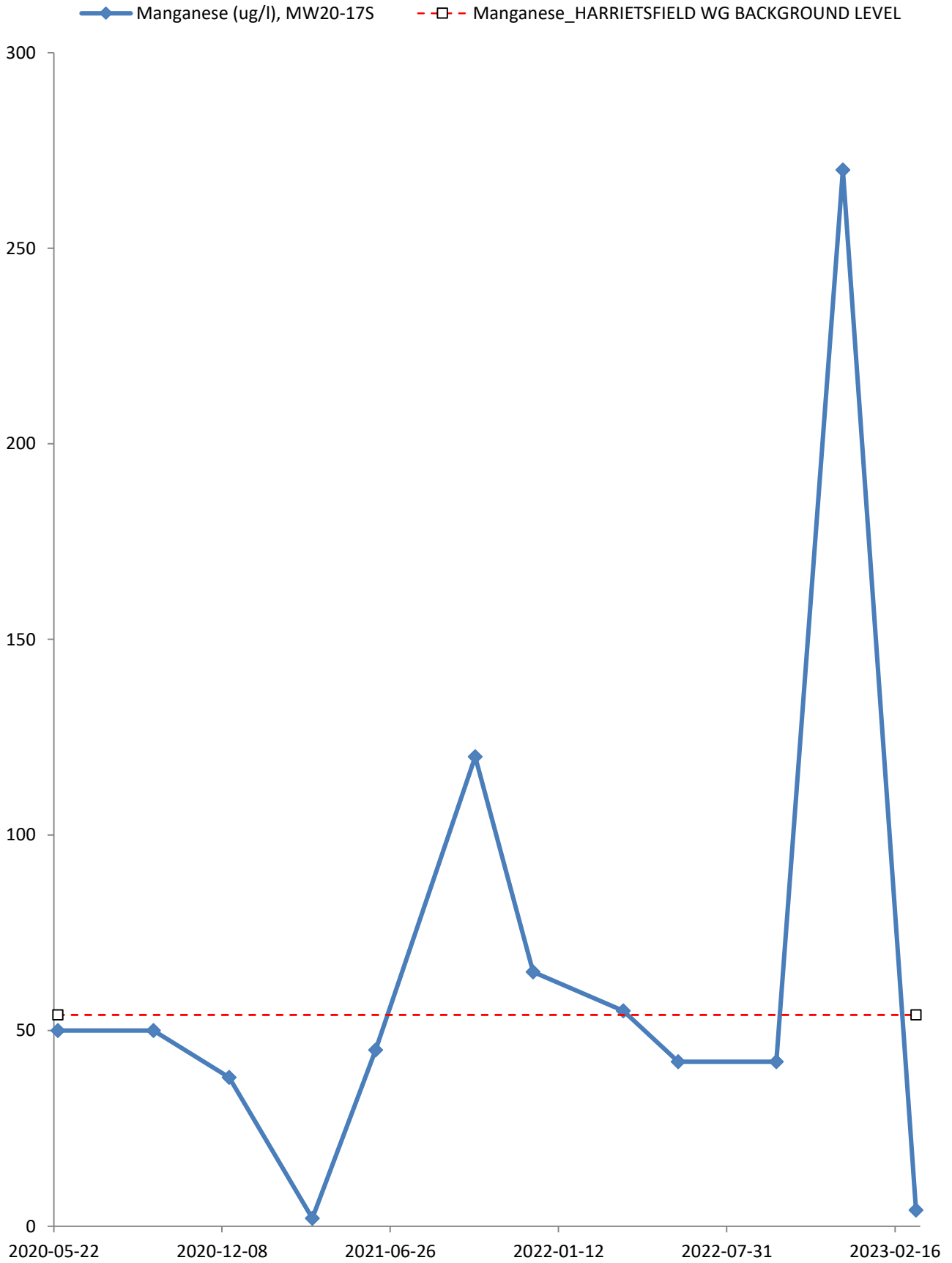
—◆— Hardness (as CaCO₃) (mg/l), MW20-17S
- -□- - Hardness (as CaCO₃)_HARRIETSFIELD WG BACKGROUND LEVEL



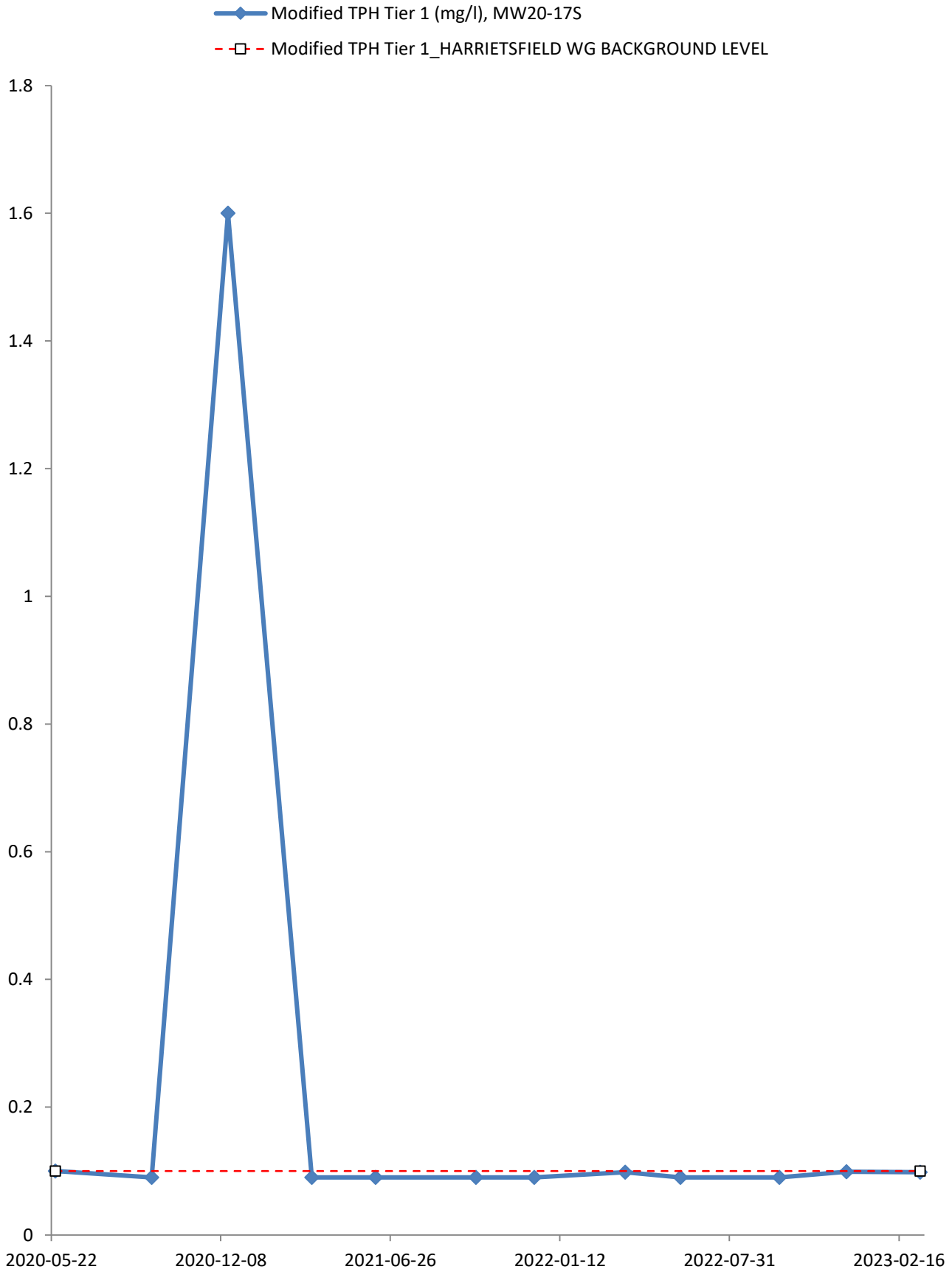


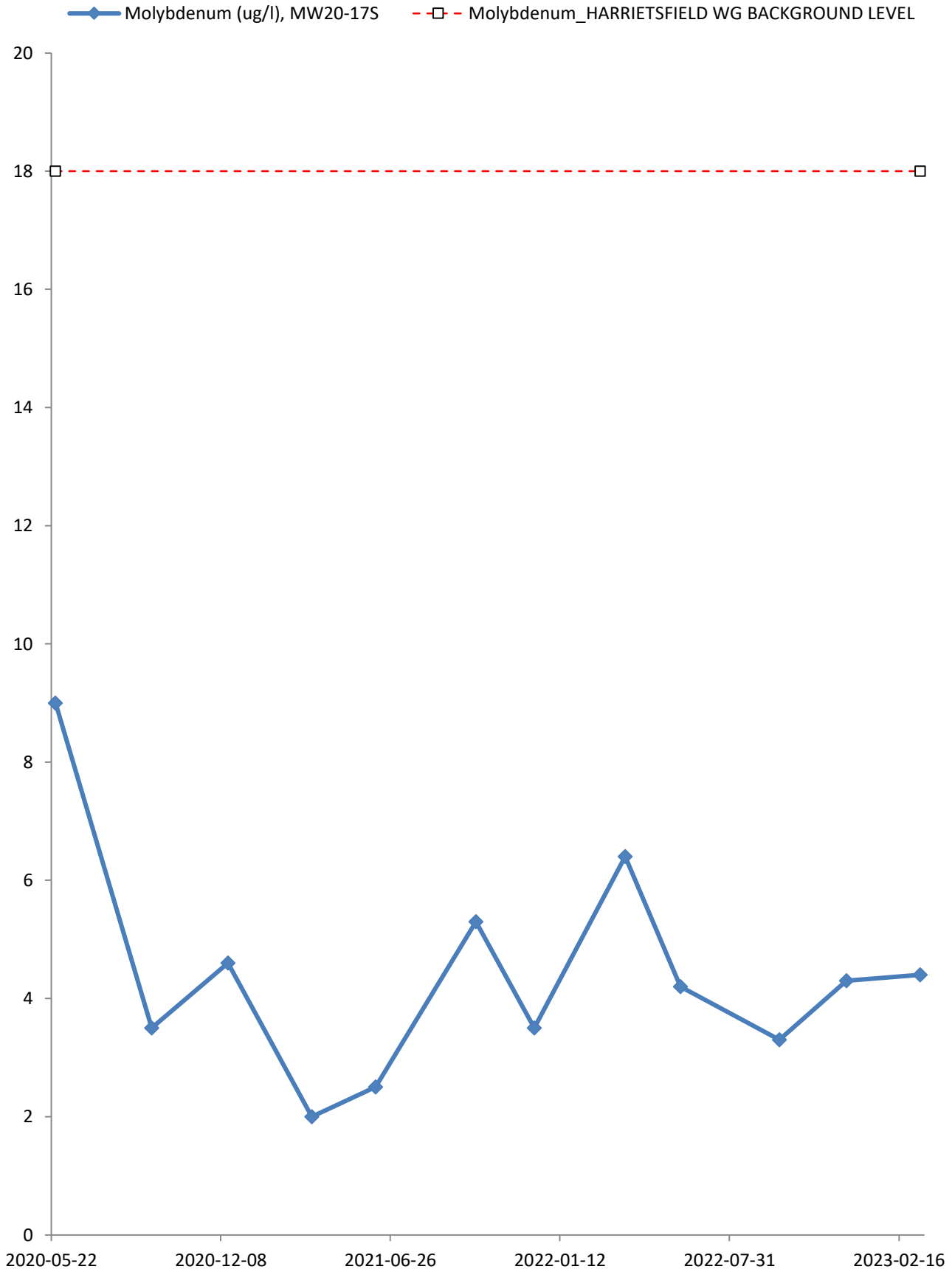


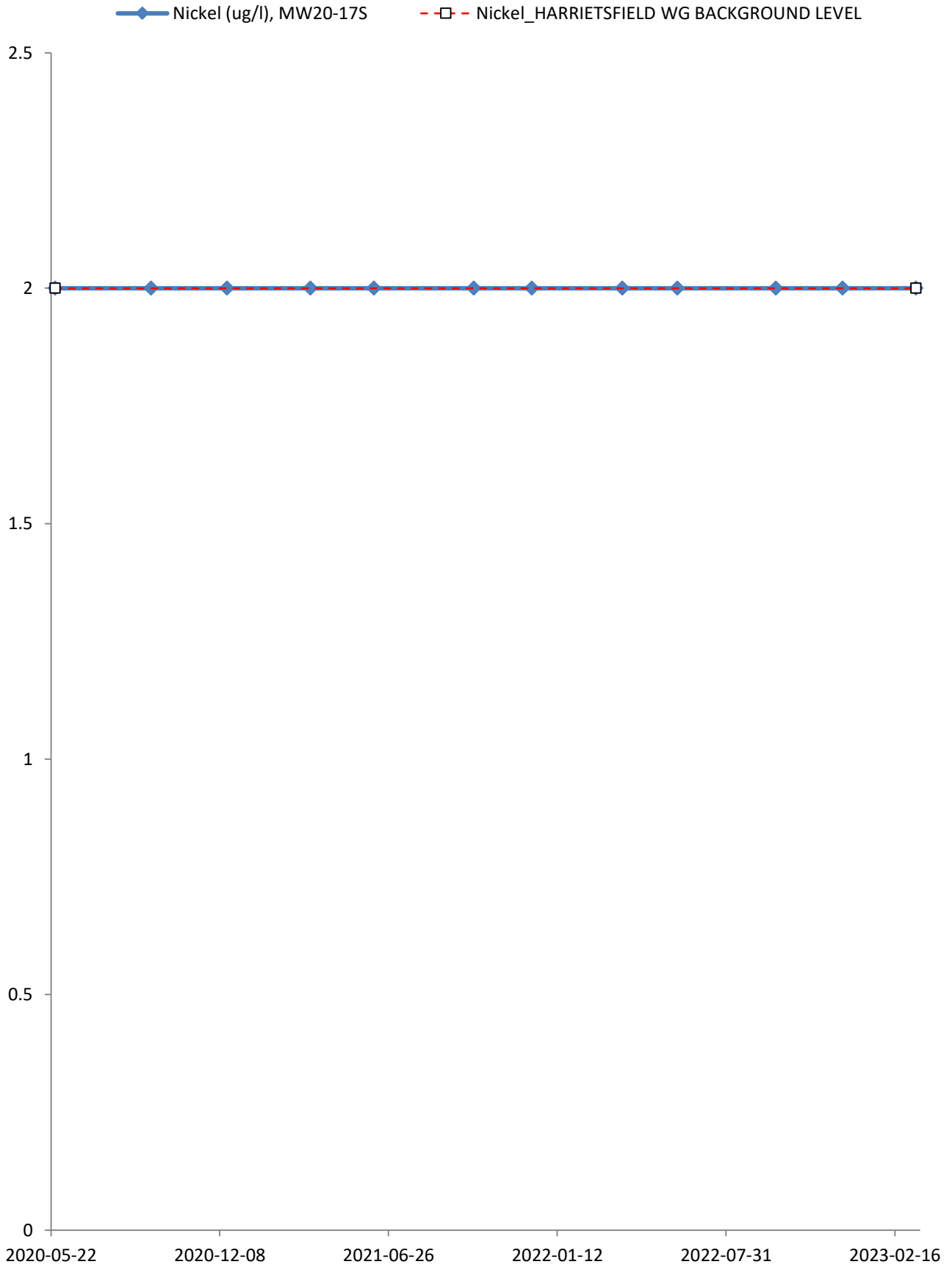


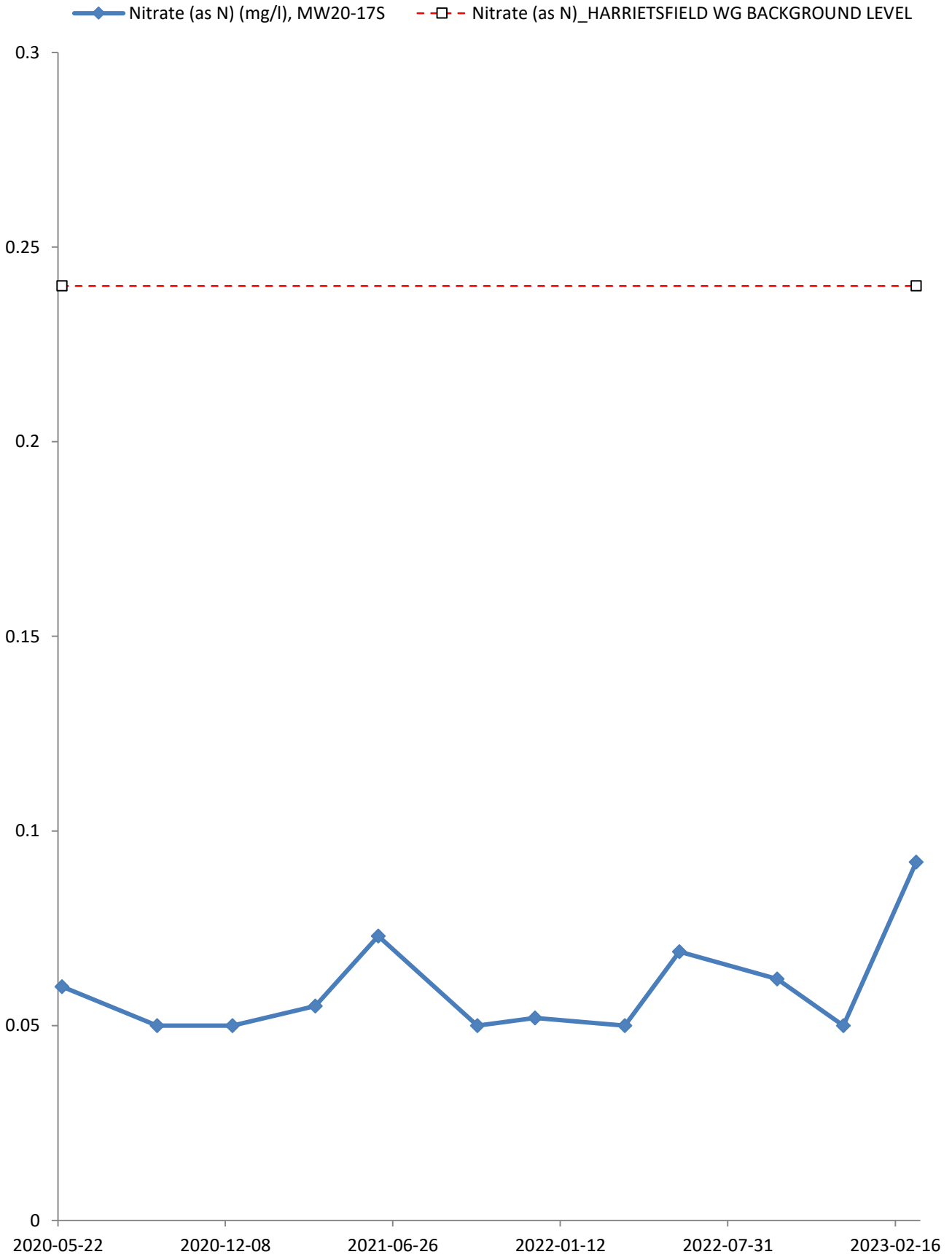




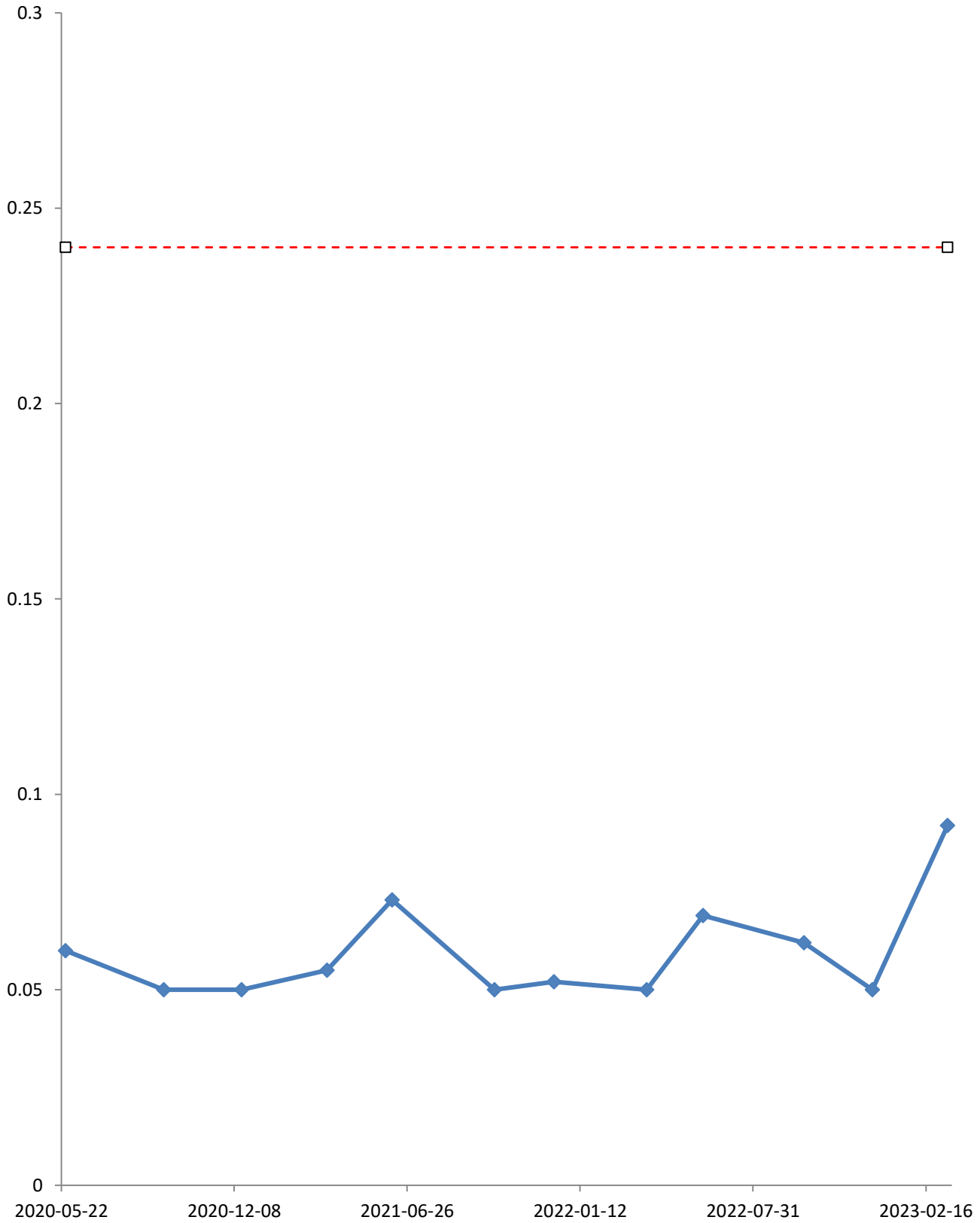


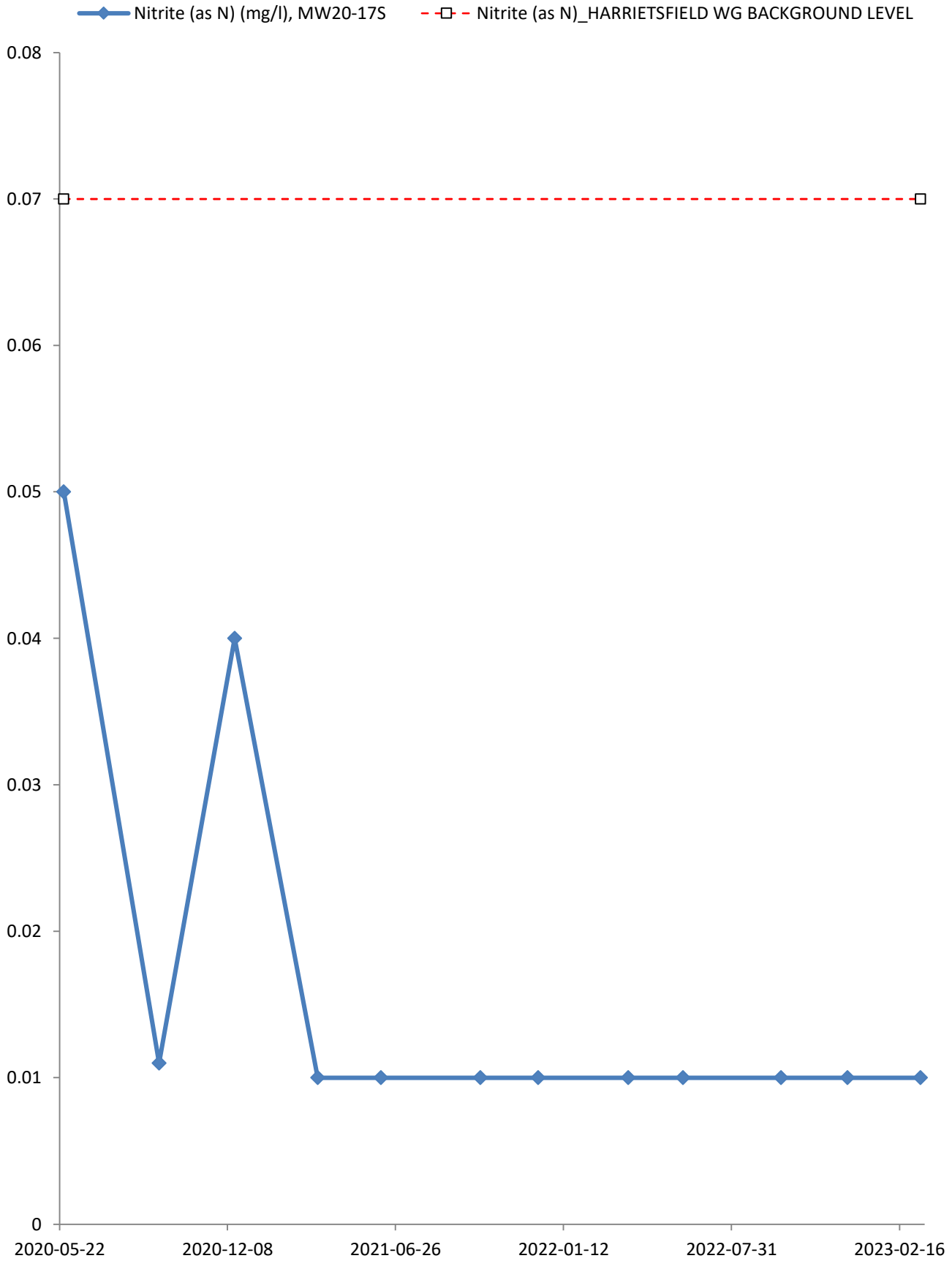




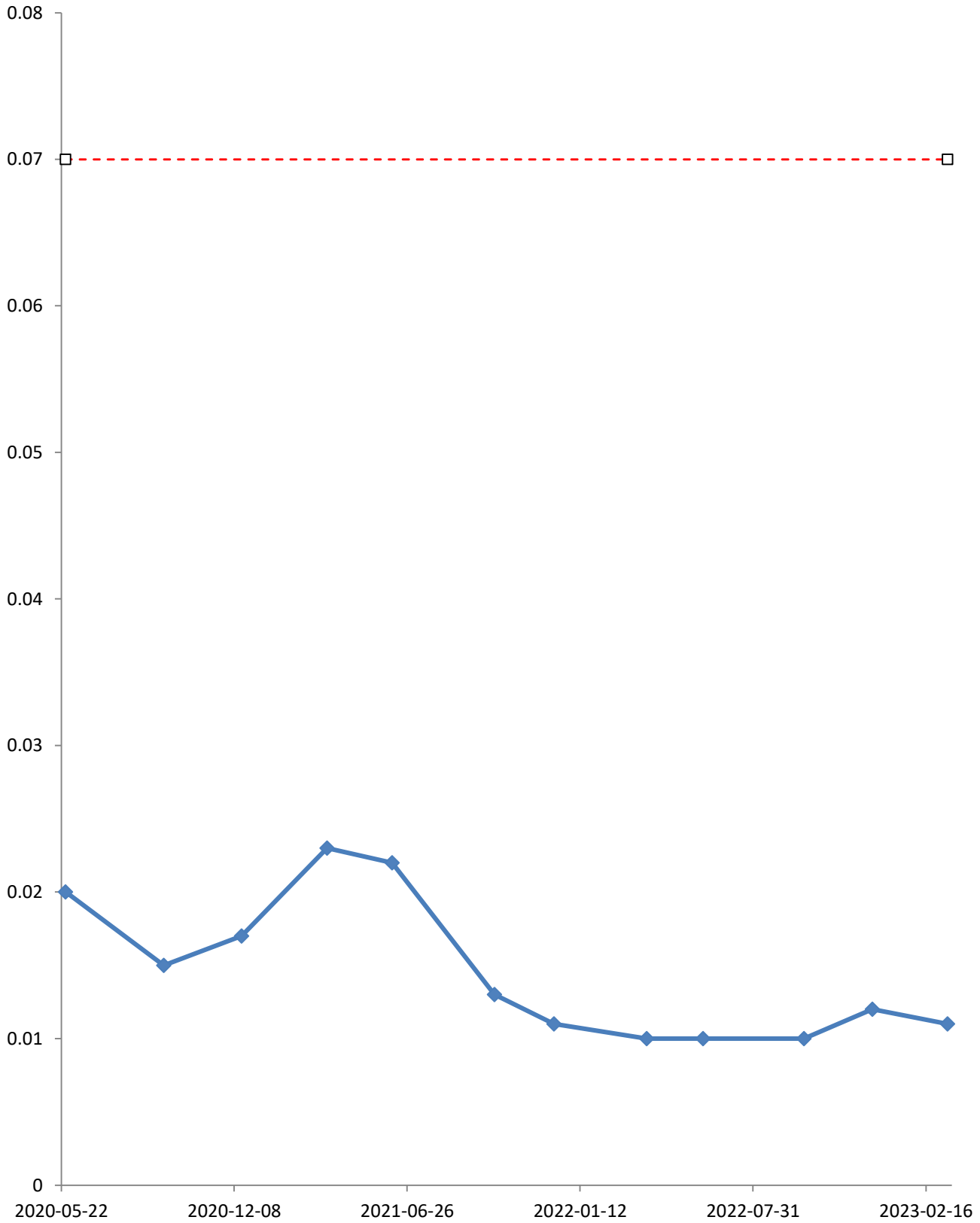


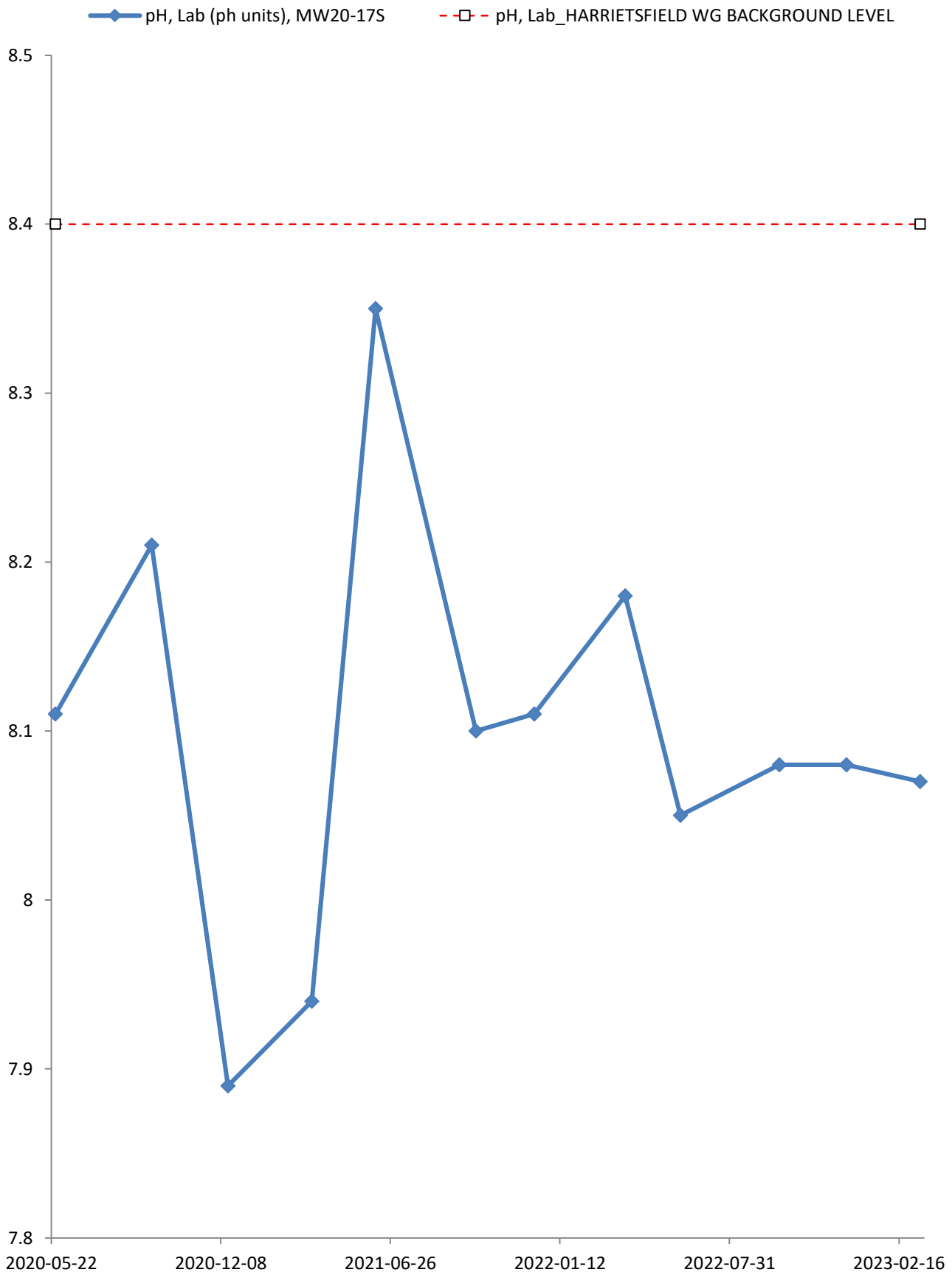
◆ Nitrate plus Nitrite (N) (mg/l), MW20-17S
-□- Nitrate plus Nitrite (N)_HARRIETSFIELD WG BACKGROUND LEVEL

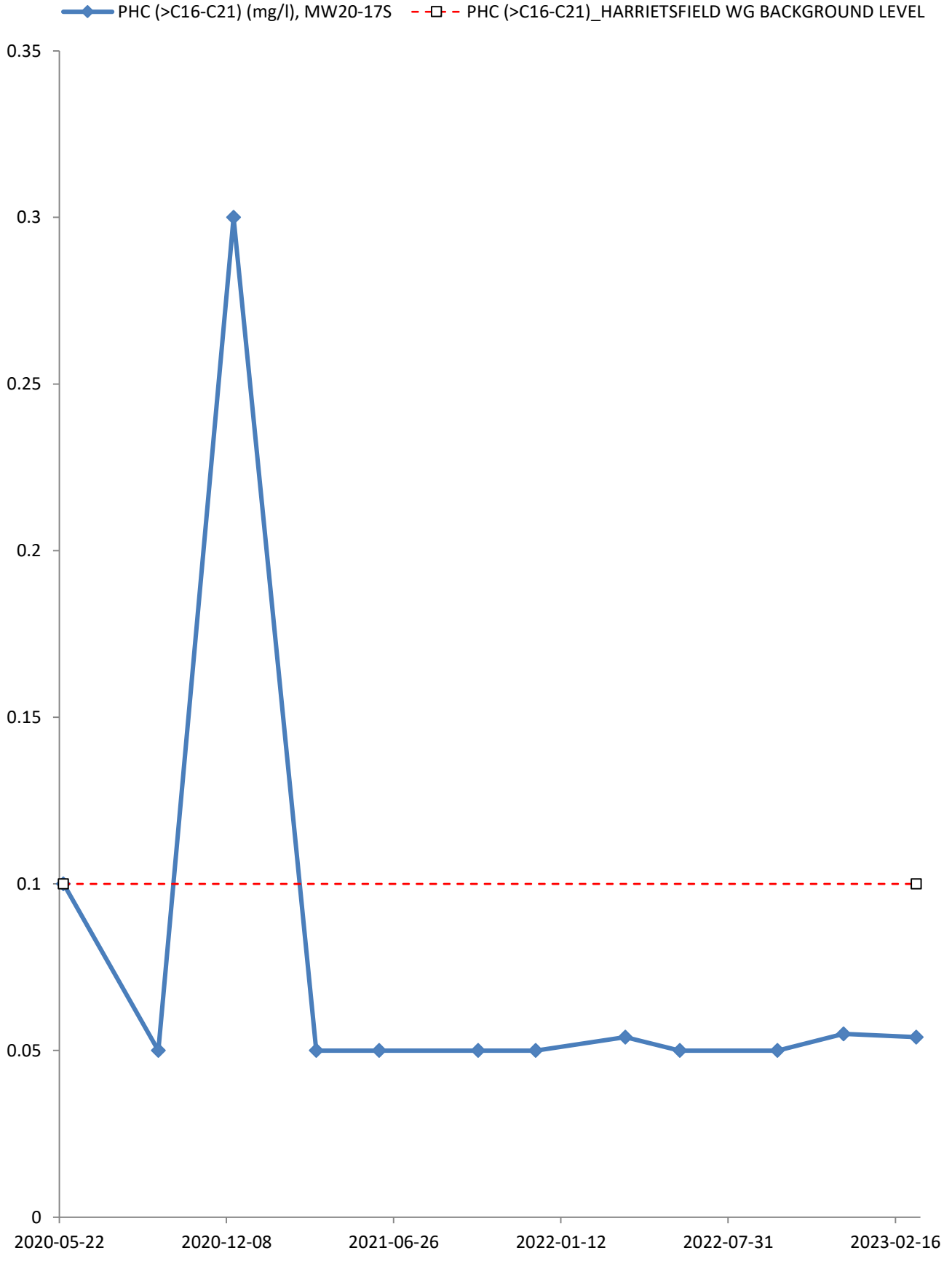


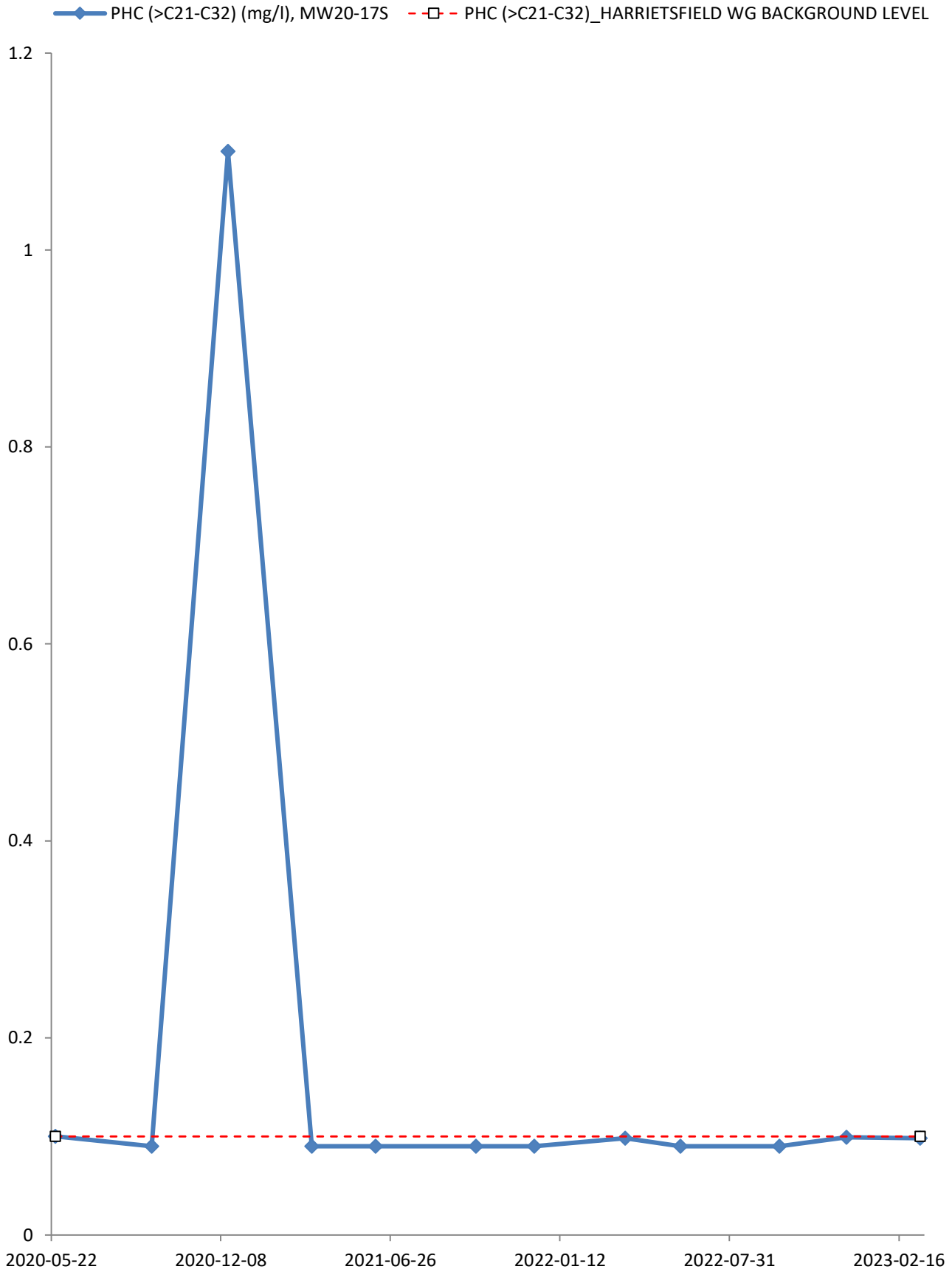


—◆— Orthophosphate(as P) (mg/l), MW20-17S
- -□- - Orthophosphate(as P)_HARRIETSFIELD WG BACKGROUND LEVEL

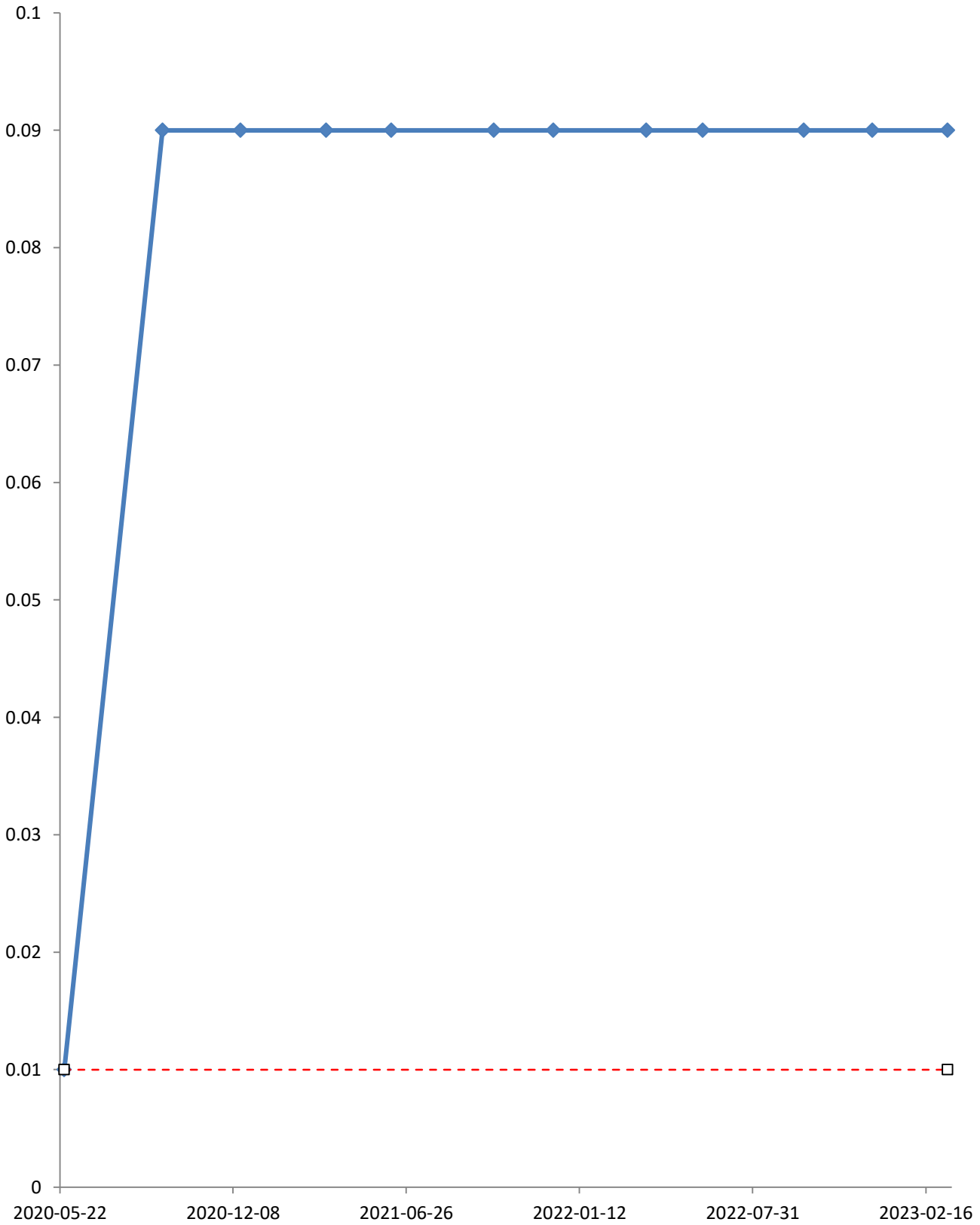




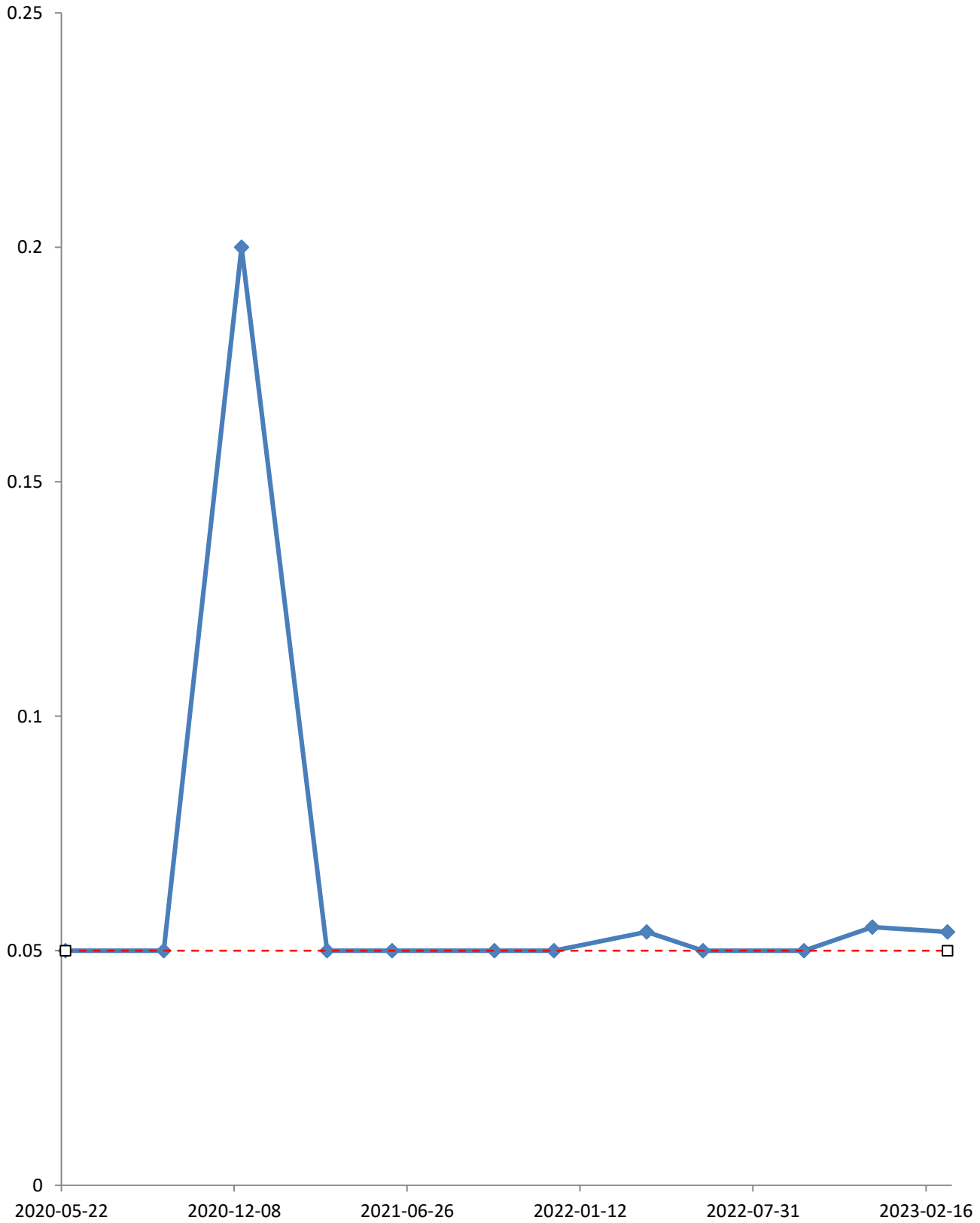


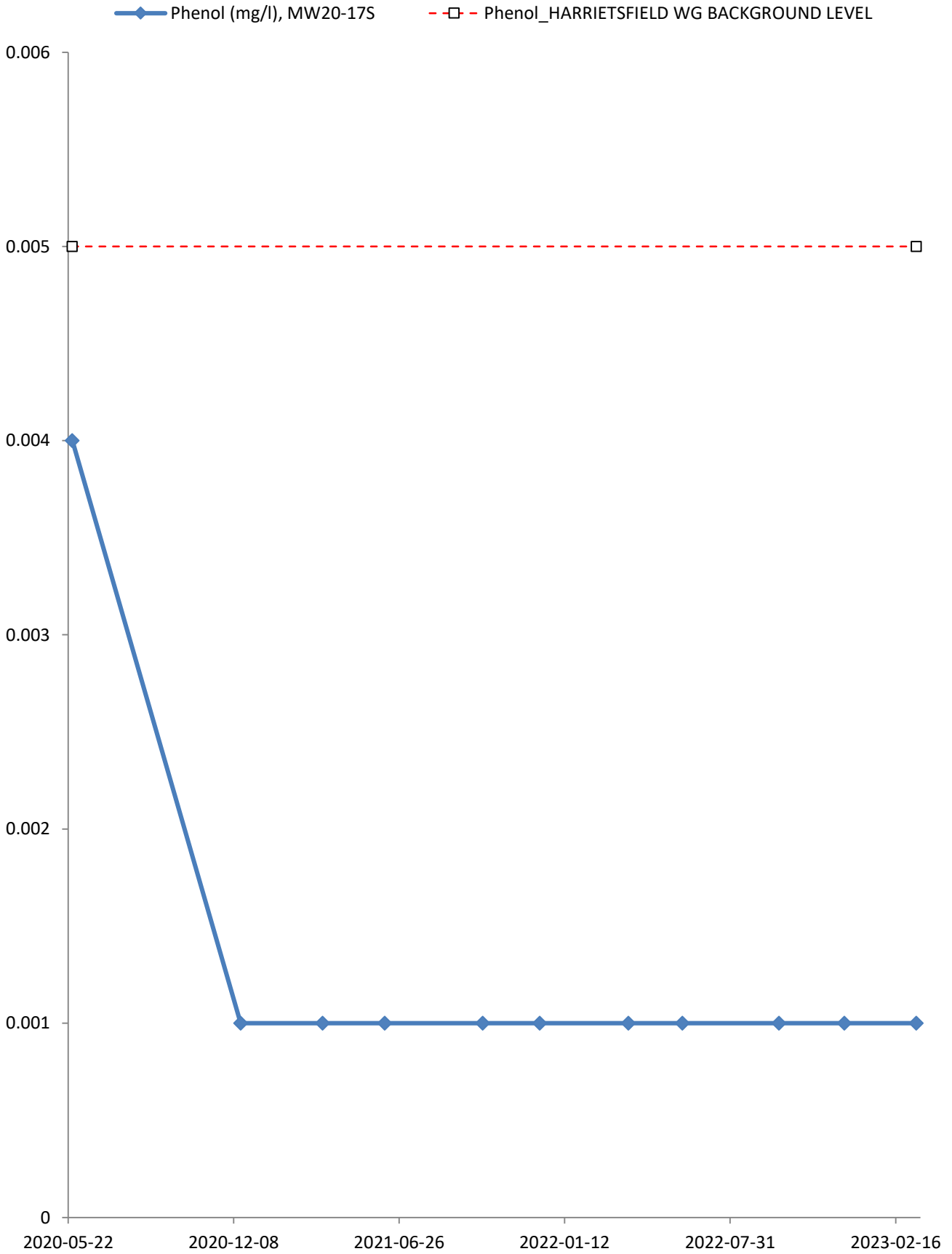


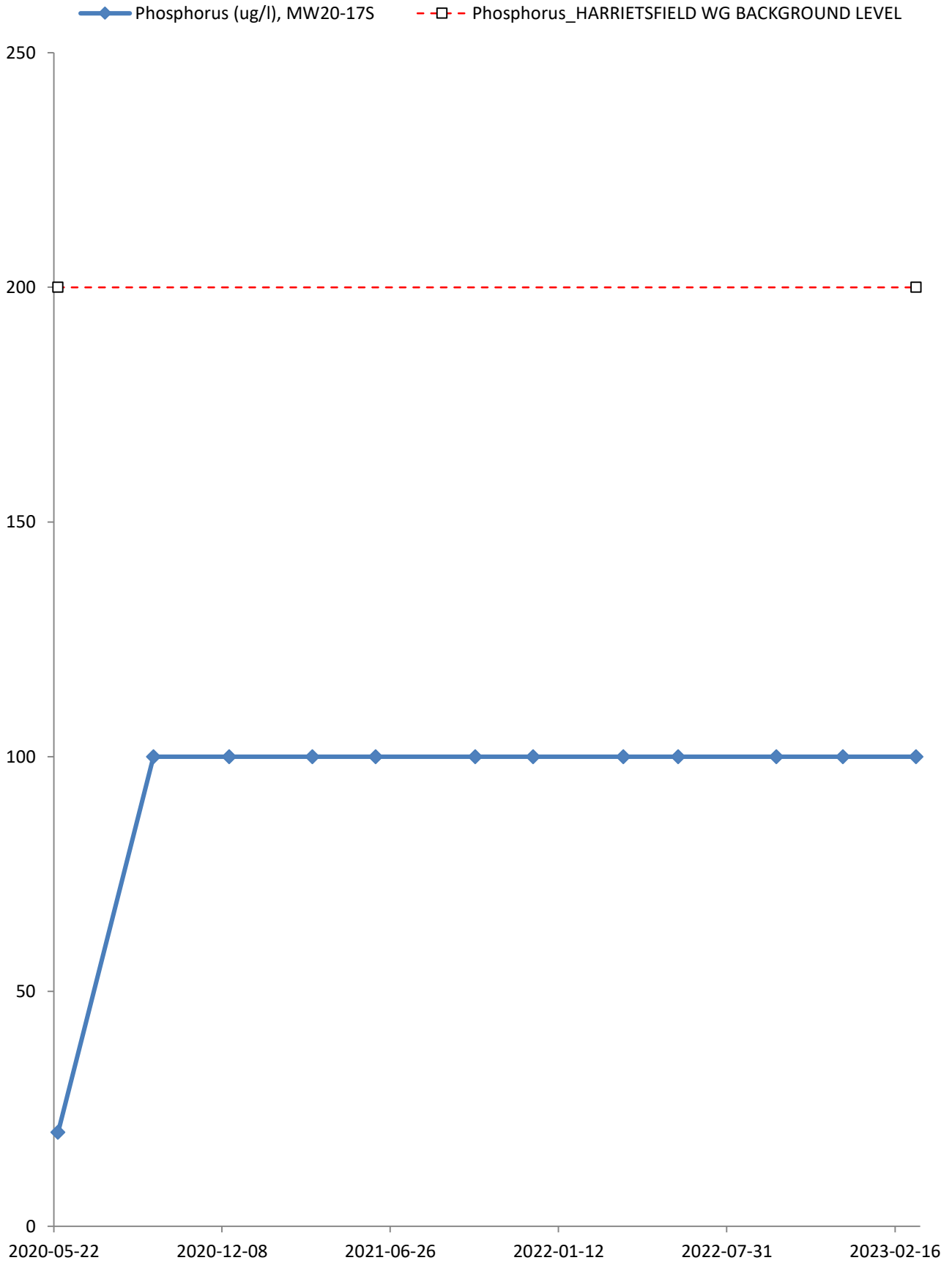
—◆— PHC F1 (C6-C10) min BTEX (mg/l), MW20-17S
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WG BACKGROUND LEVEL

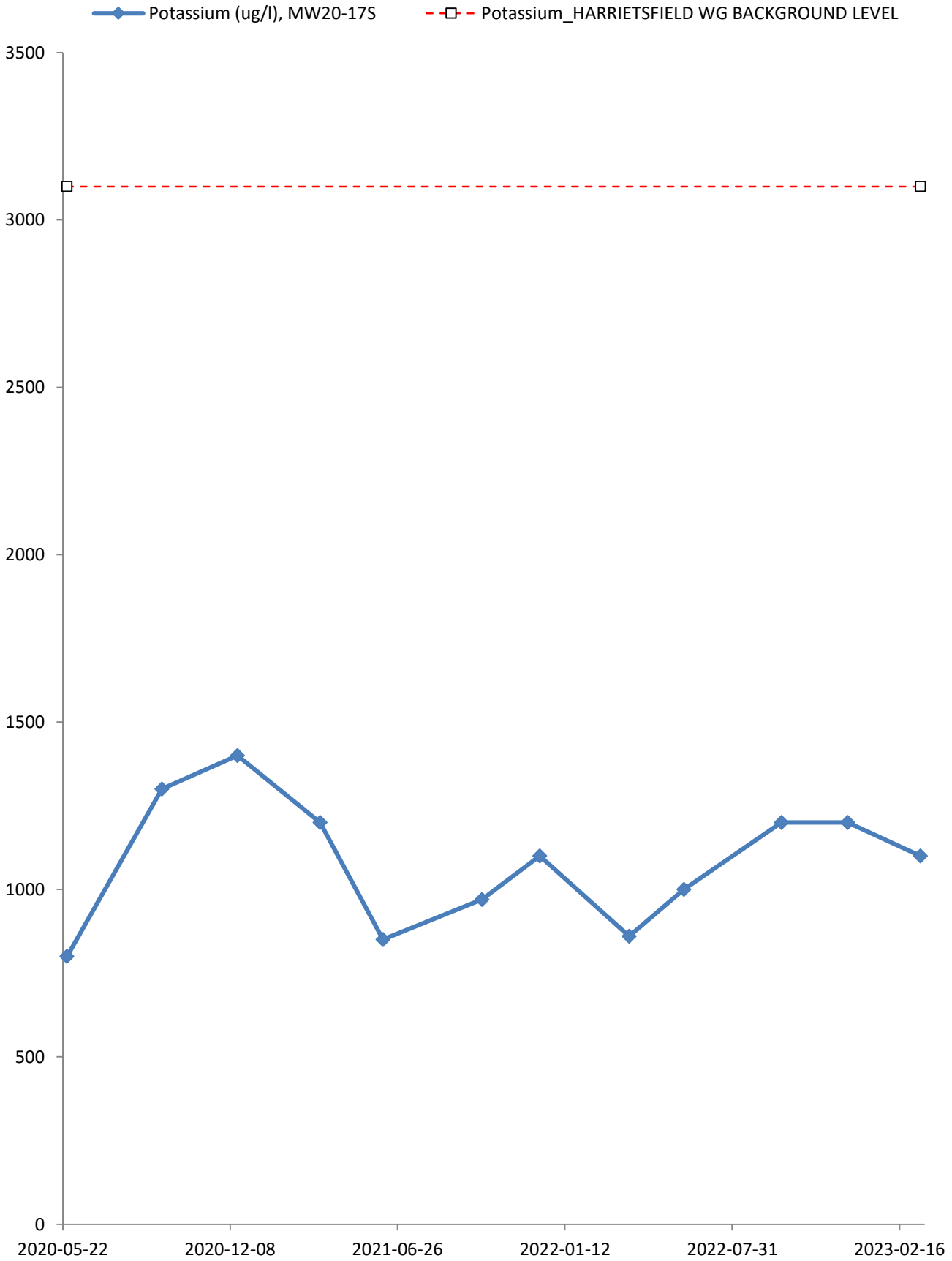


—◆— PHC F2 (>C10-C16) (mg/l), MW20-17S
- -□- - PHC F2 (>C10-C16)_HARRIETSFIELD WG BACKGROUND LEVEL

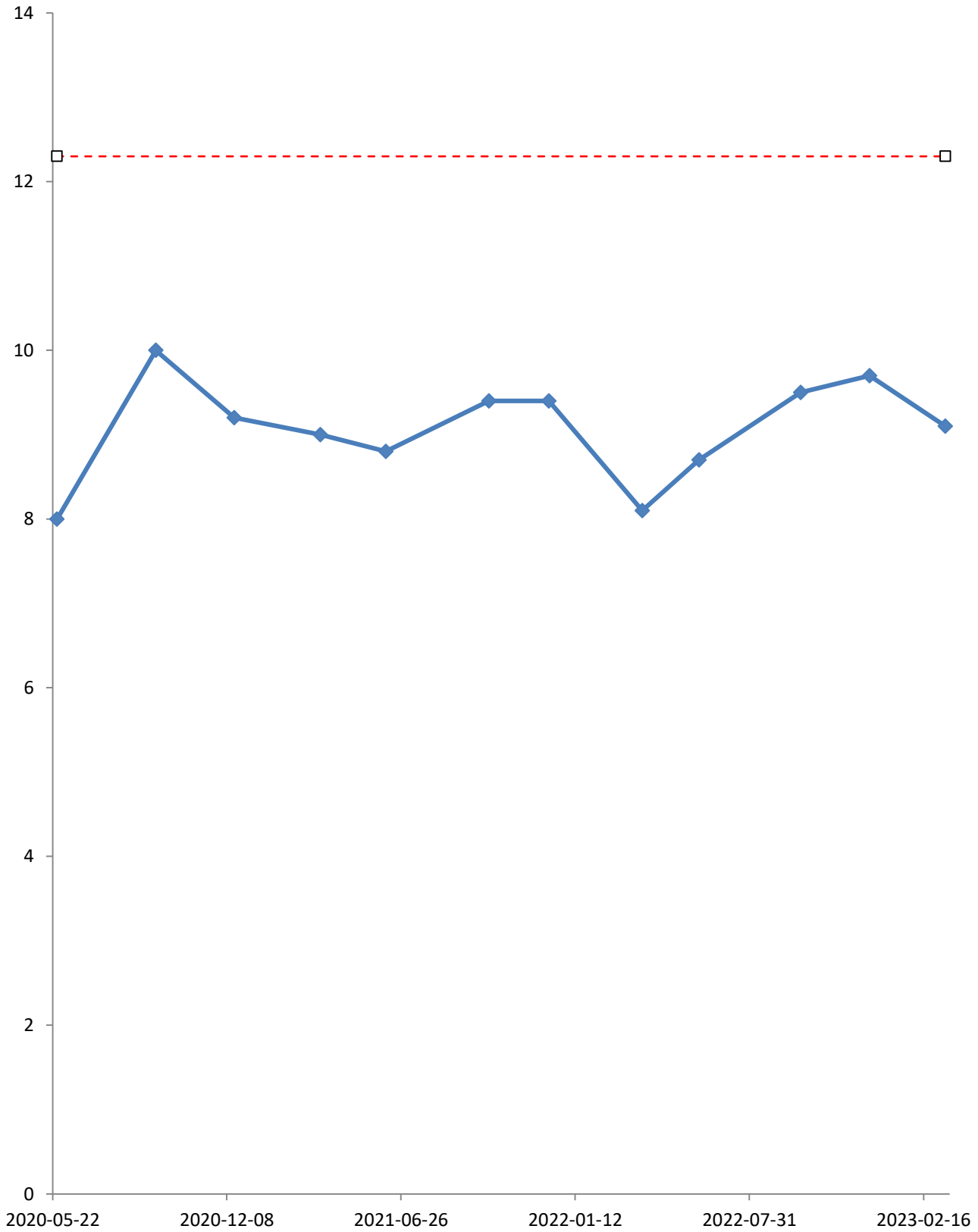




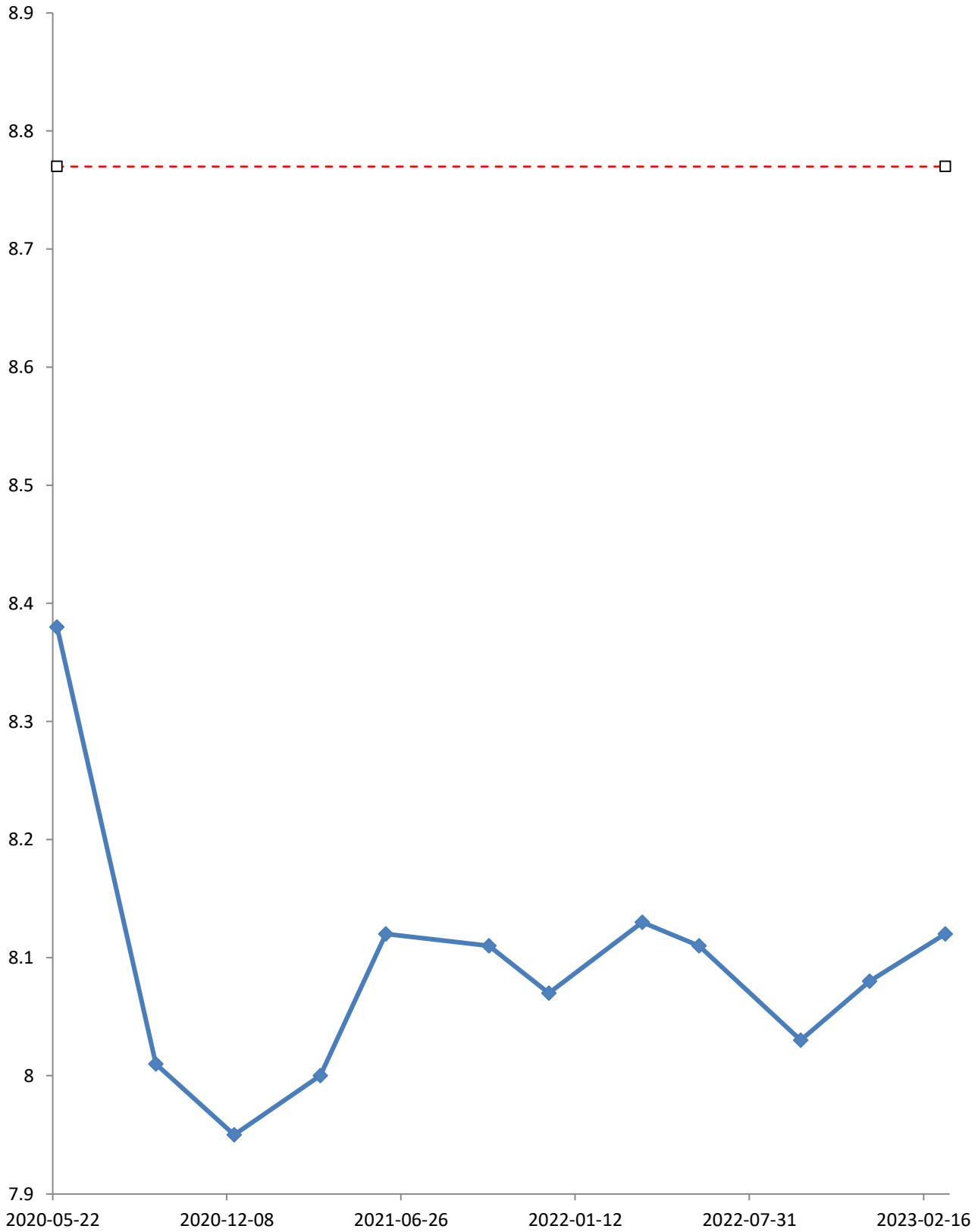




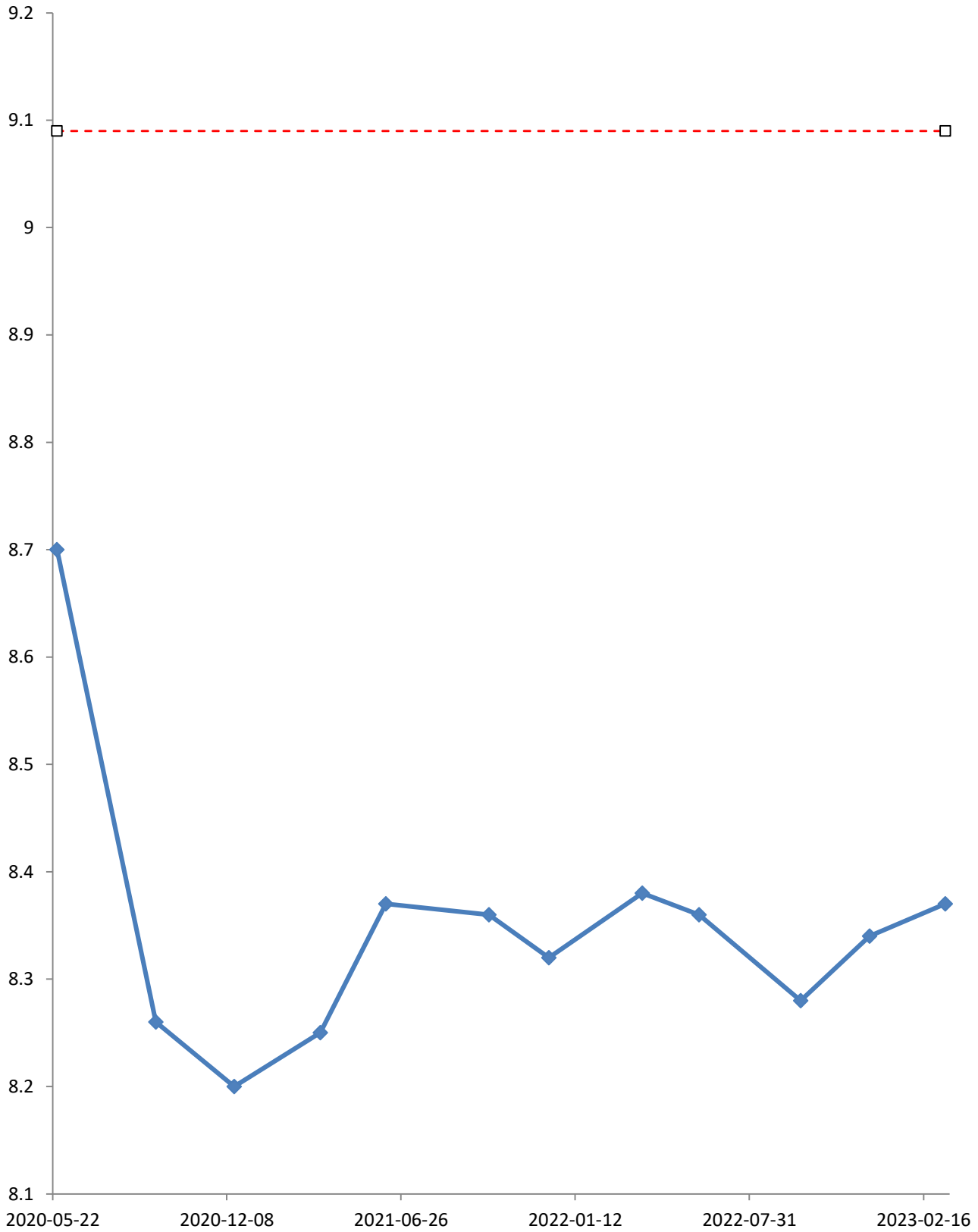
—◆— Reactive Silica (SiO₂) (mg/l), MW20-17S
- -□- - Reactive Silica (SiO₂)_HARRIETSFIELD WG BACKGROUND LEVEL

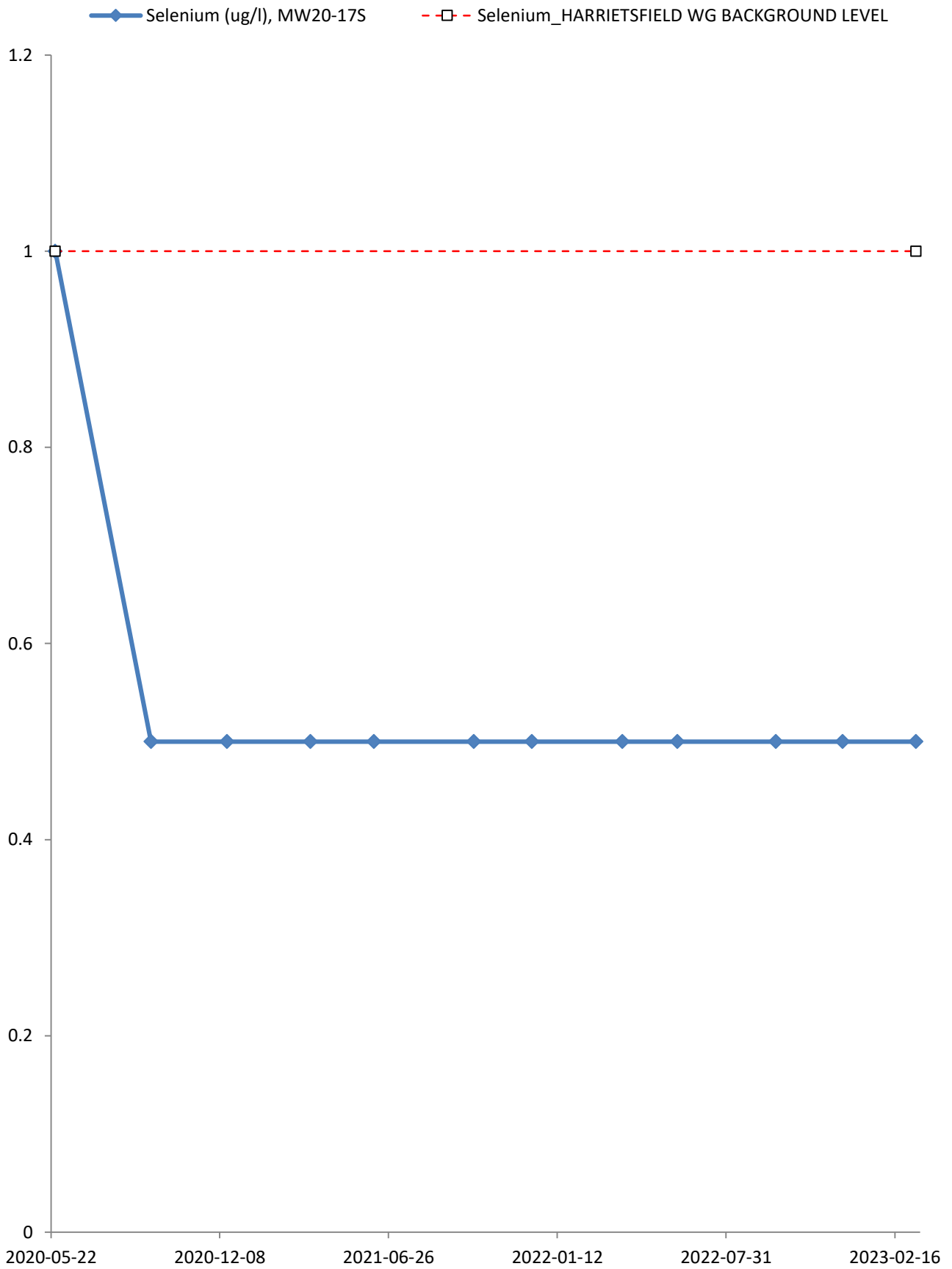


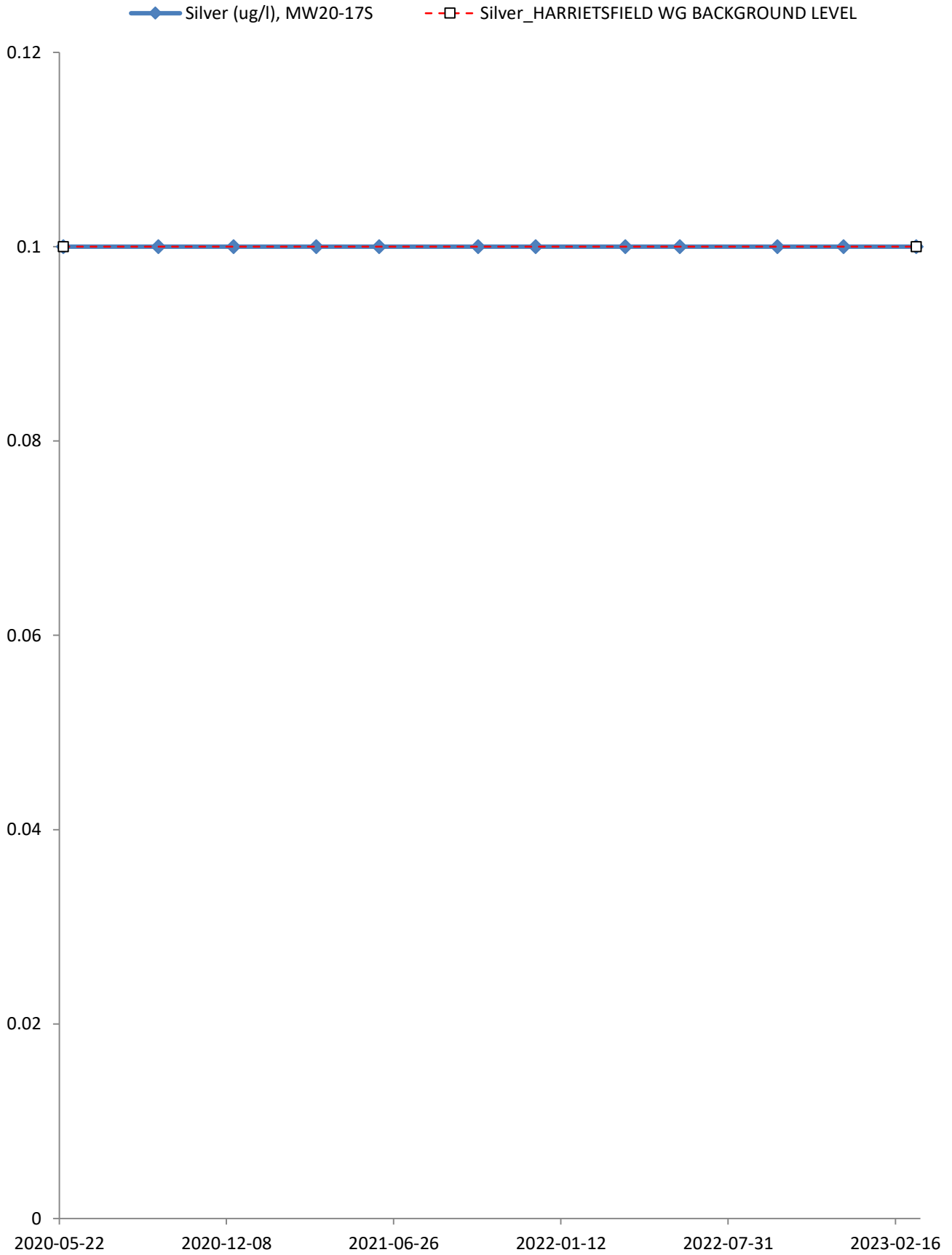
—◆— Saturation pH (at 20 C) (none), MW20-17S
- -□- - Saturation pH (at 20 C)_HARRIETSFIELD WG BACKGROUND LEVEL

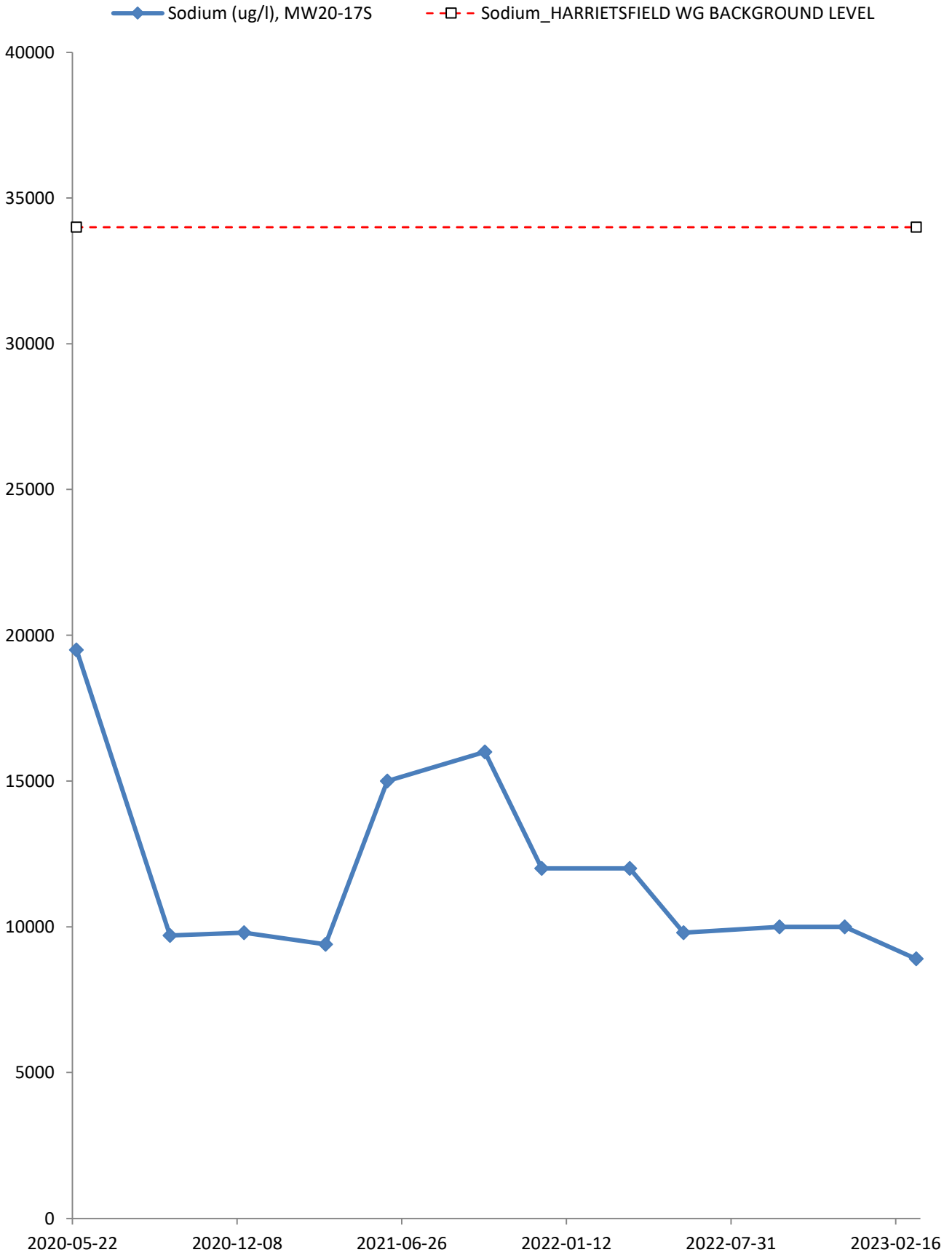


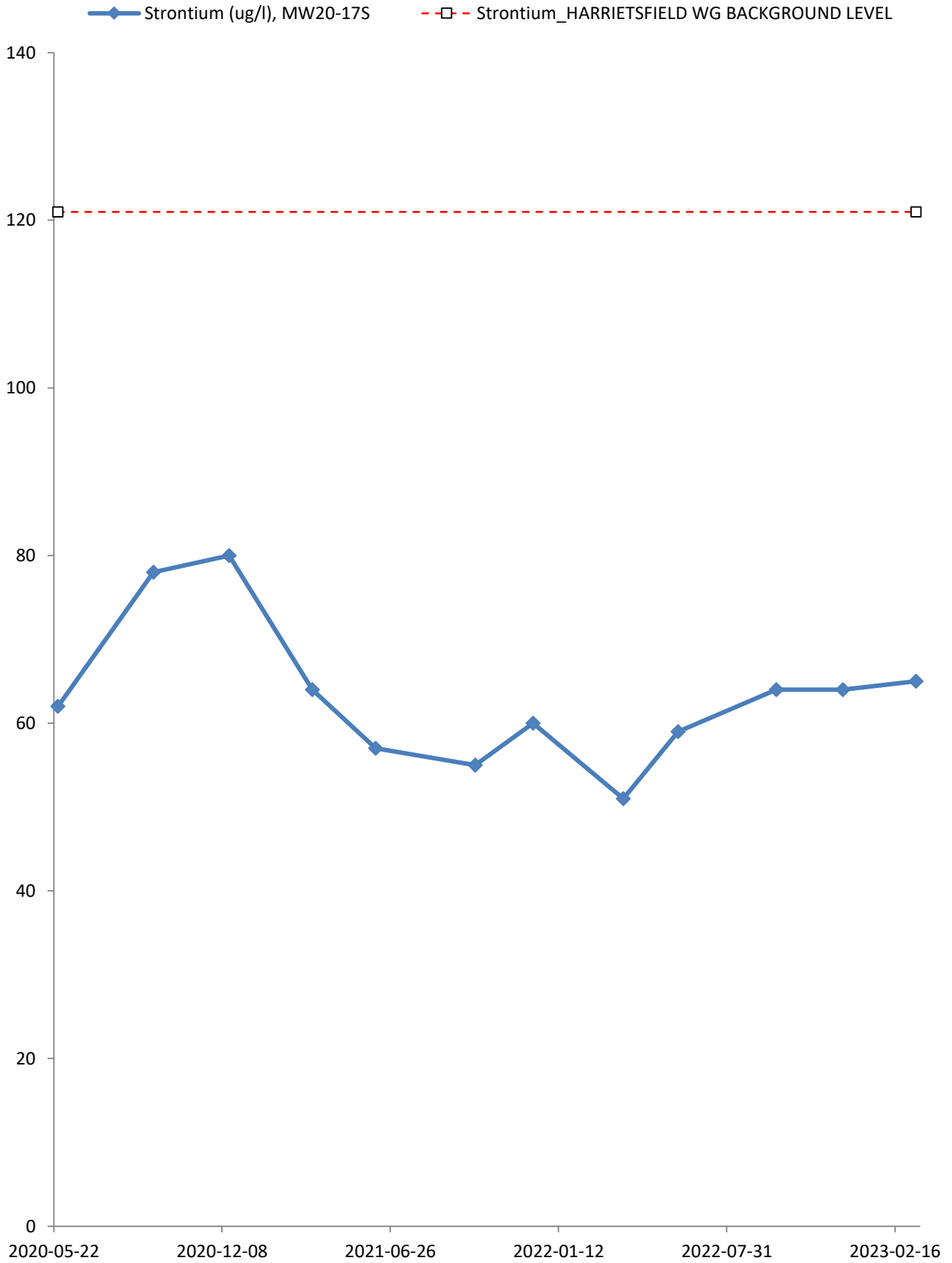
- ◆— Saturation pH (at 4 C) (none), MW20-17S
- -□- - Saturation pH (at 4 C)_HARRIETSFIELD WG BACKGROUND LEVEL

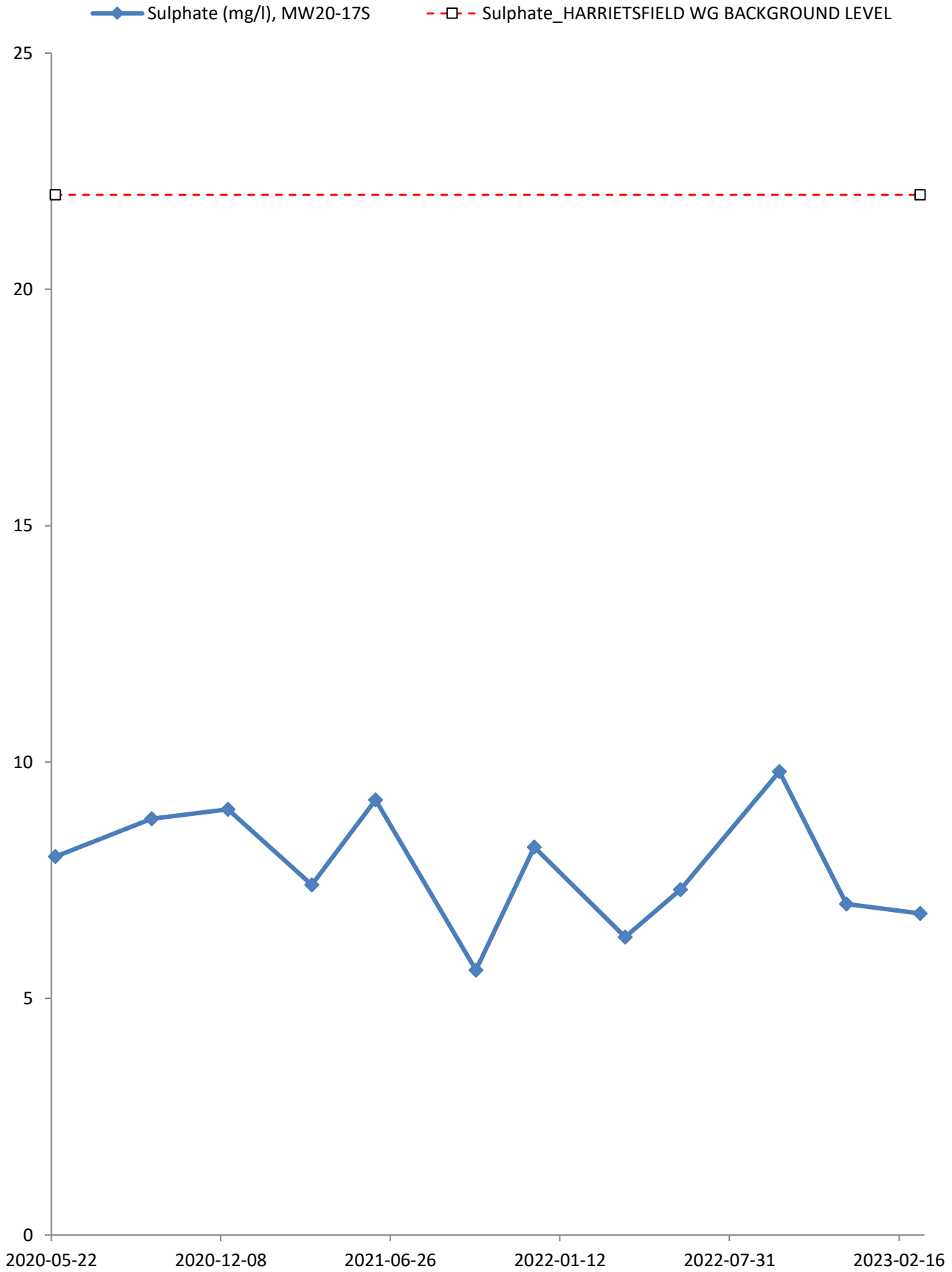


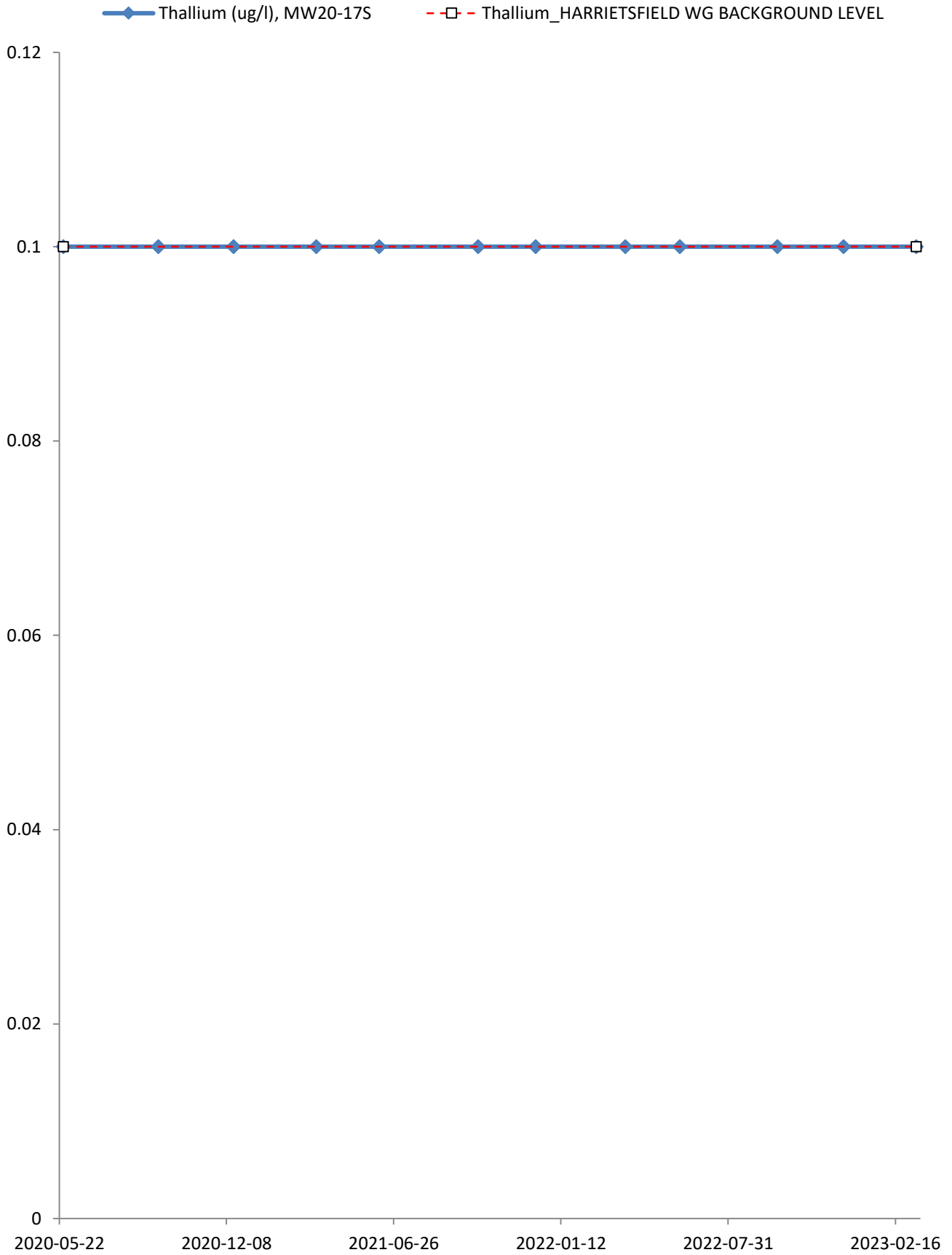


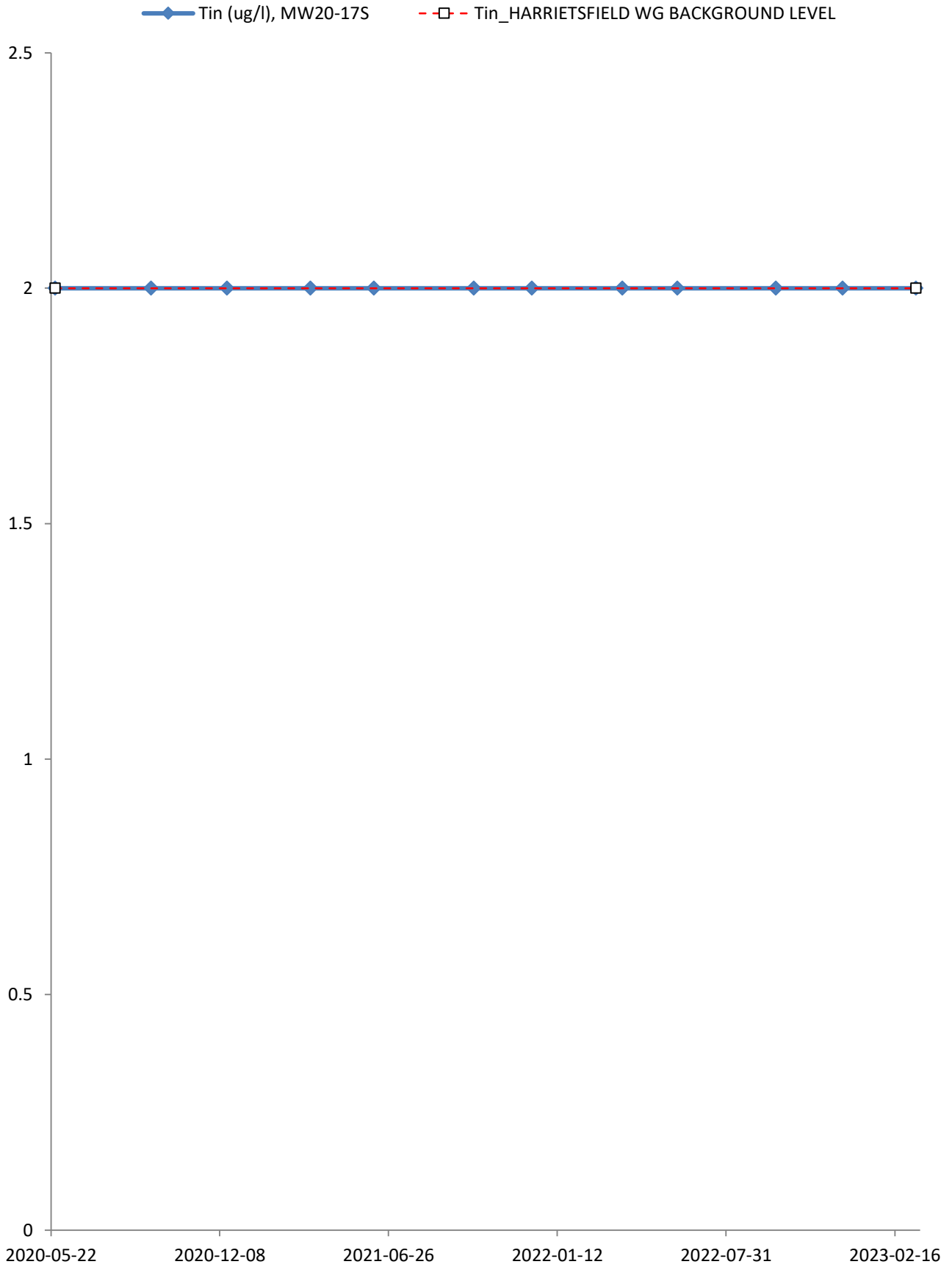


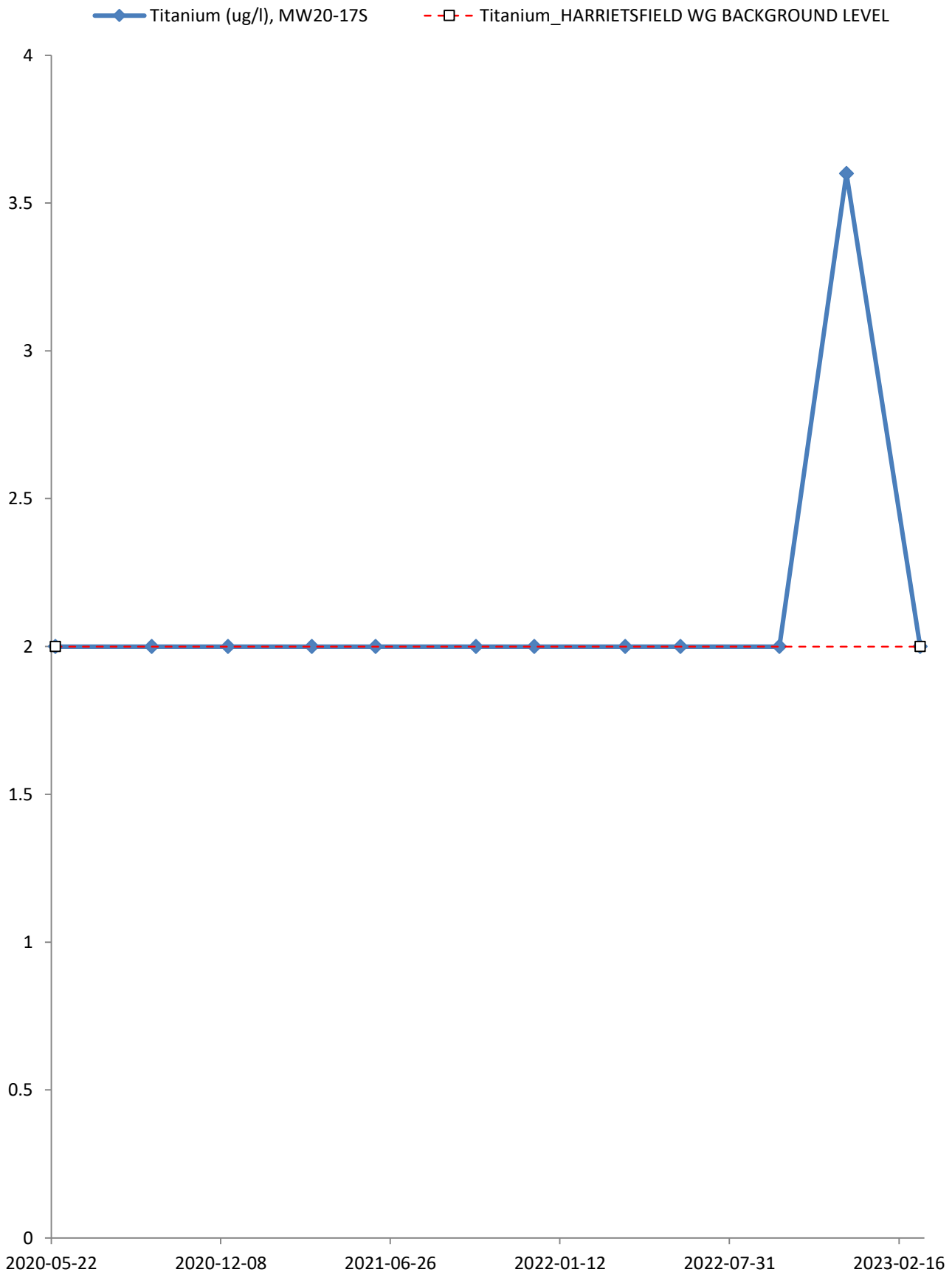


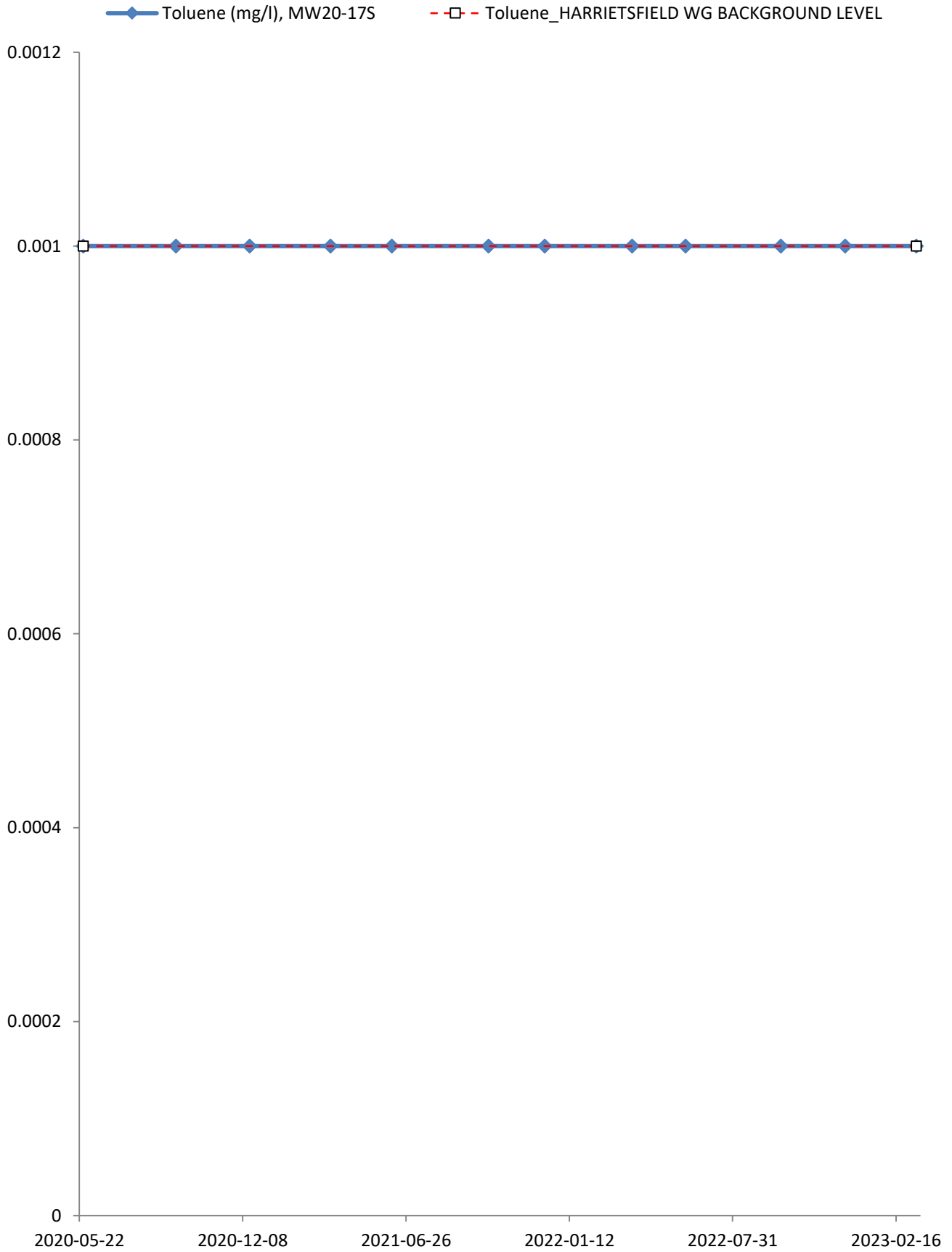




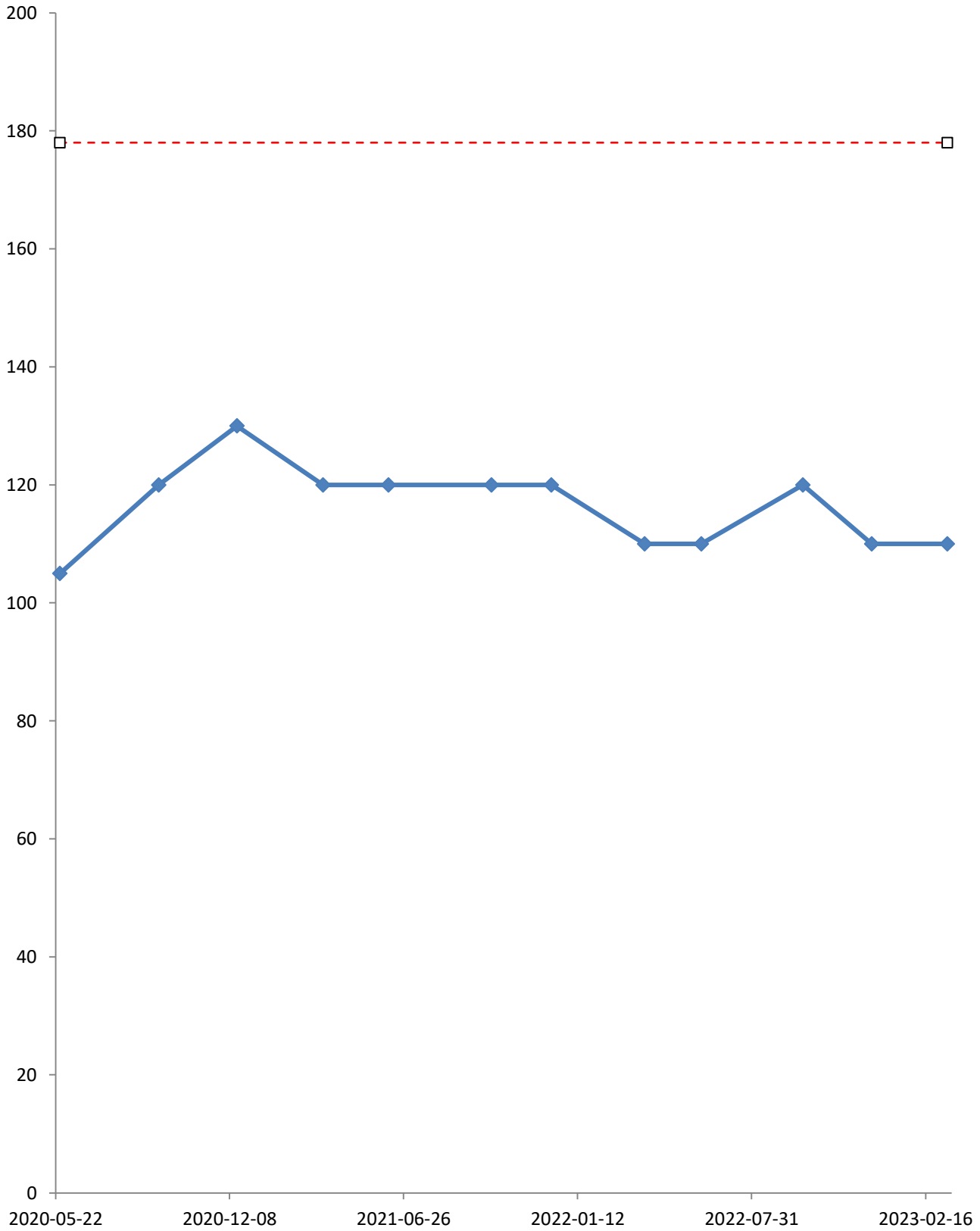




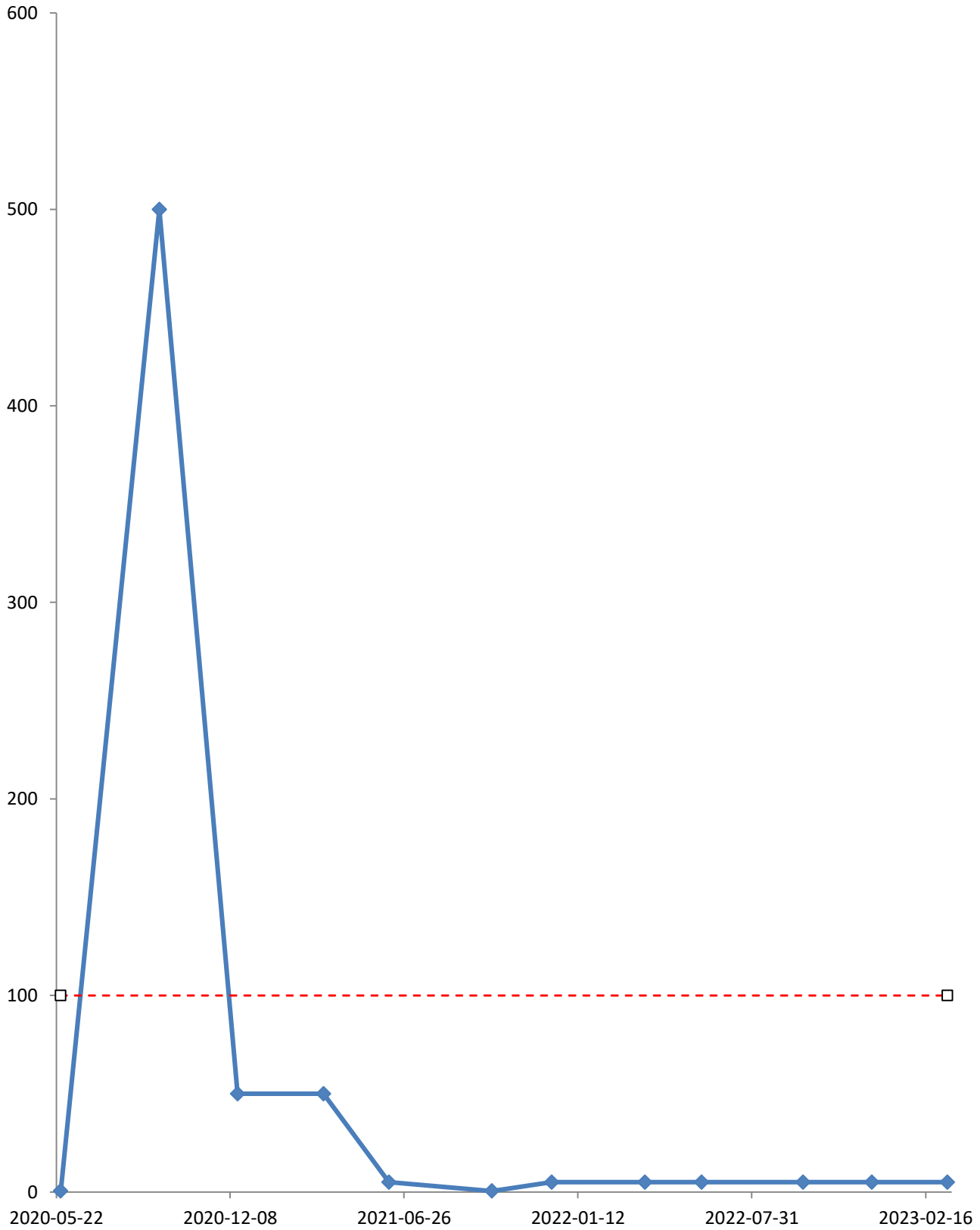


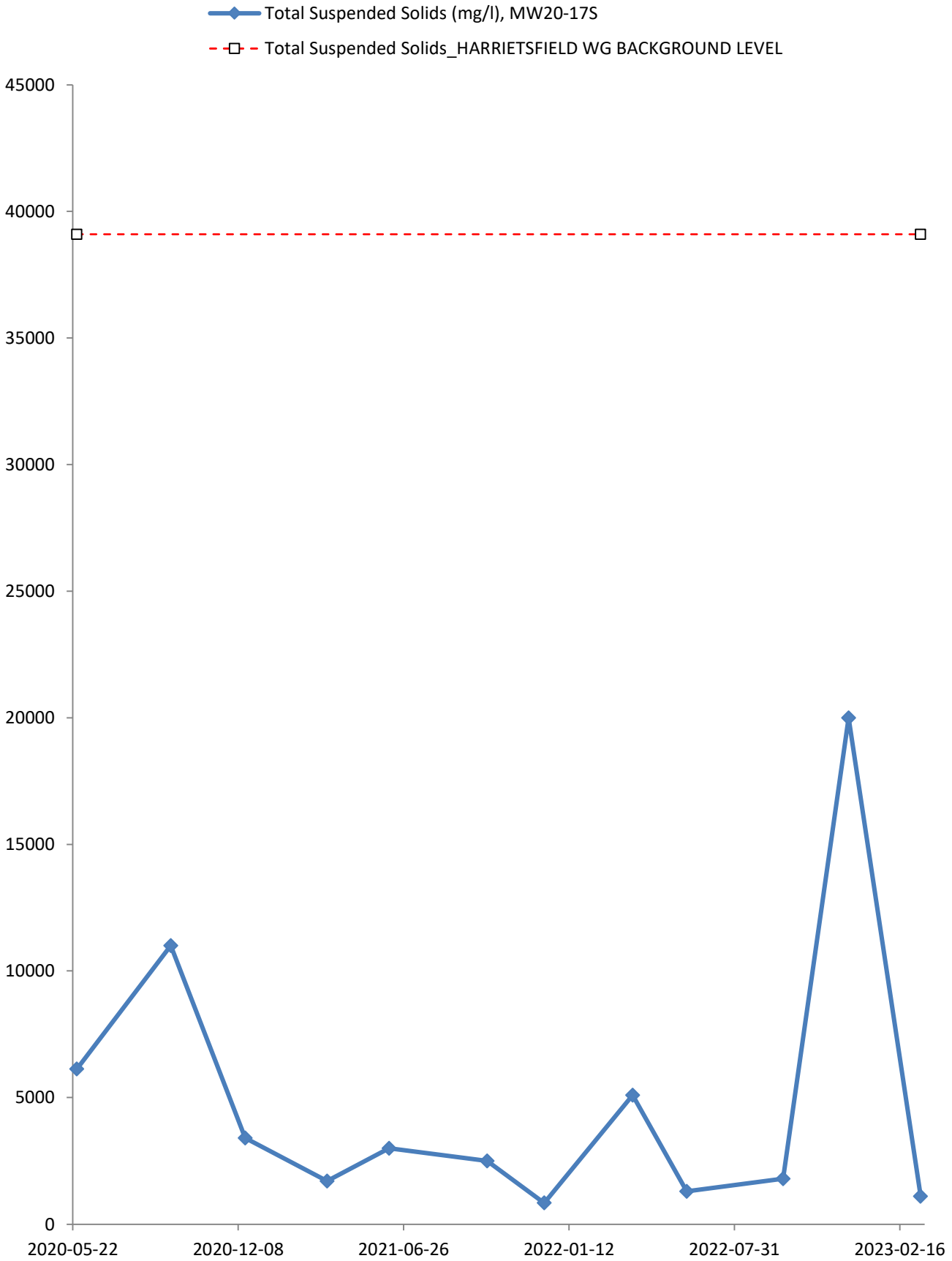


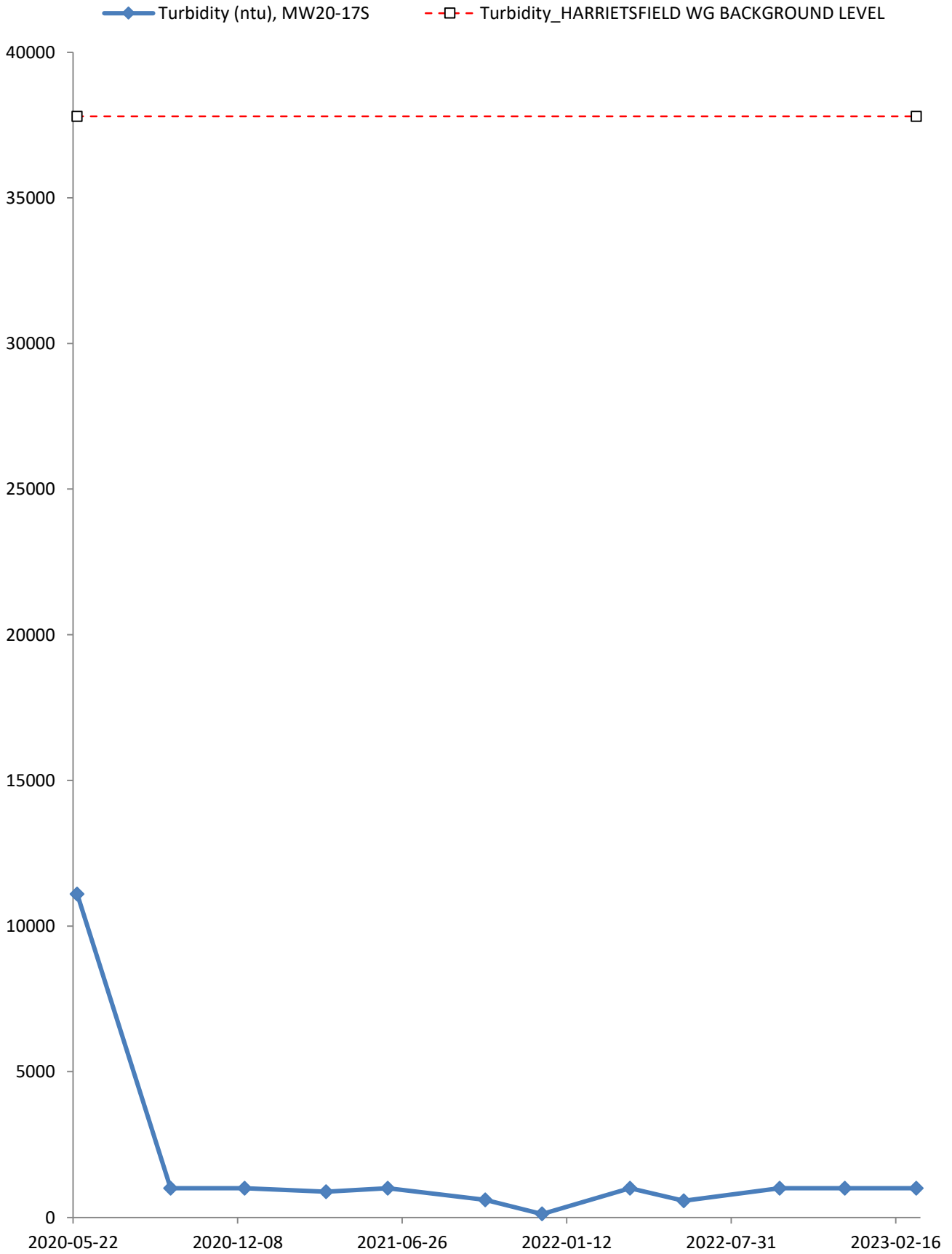
—◆— Total Diss Solids (Lab) (mg/l), MW20-17S
- -□- - Total Diss Solids (Lab)_HARRIETSFIELD WG BACKGROUND LEVEL

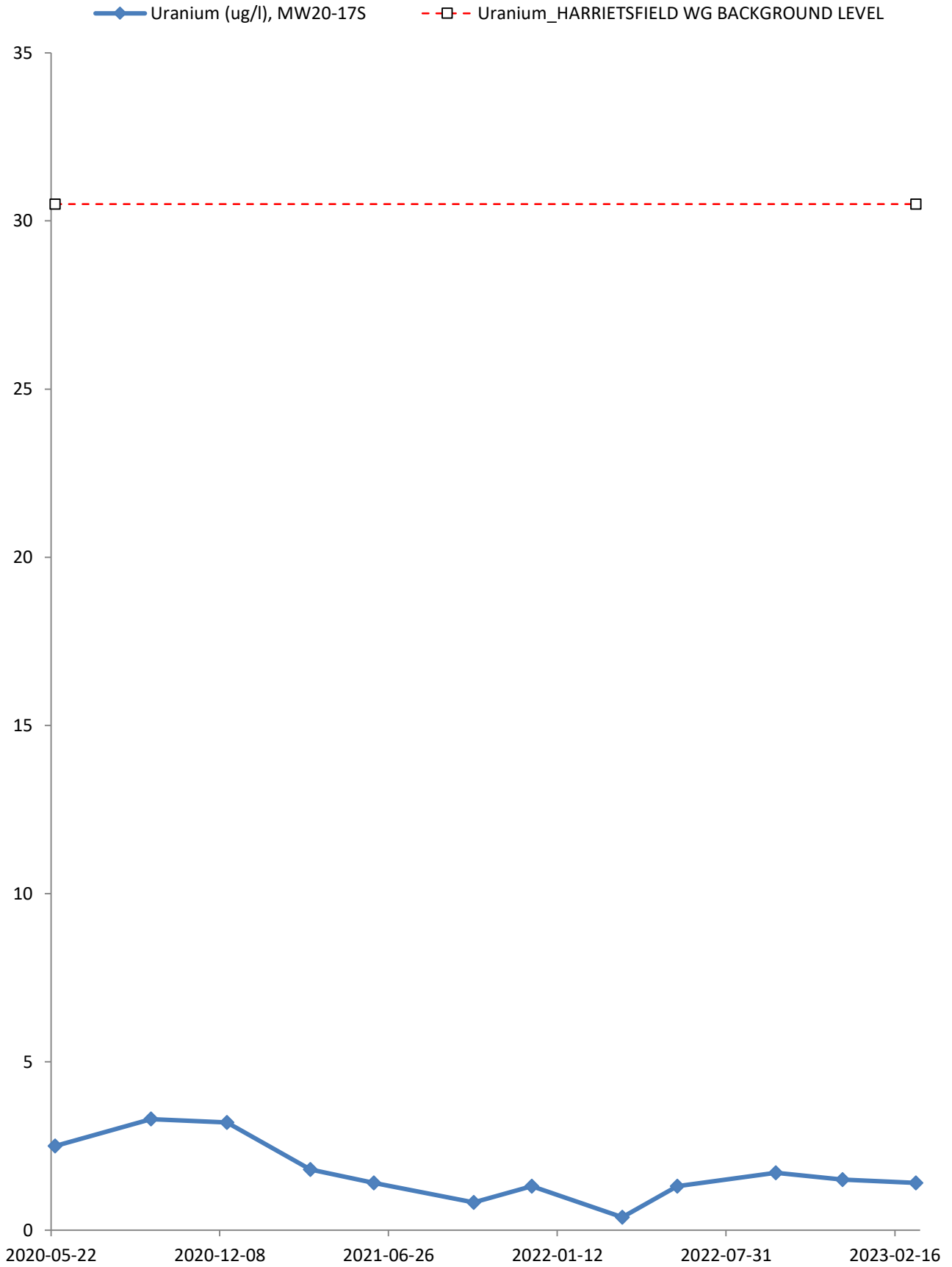


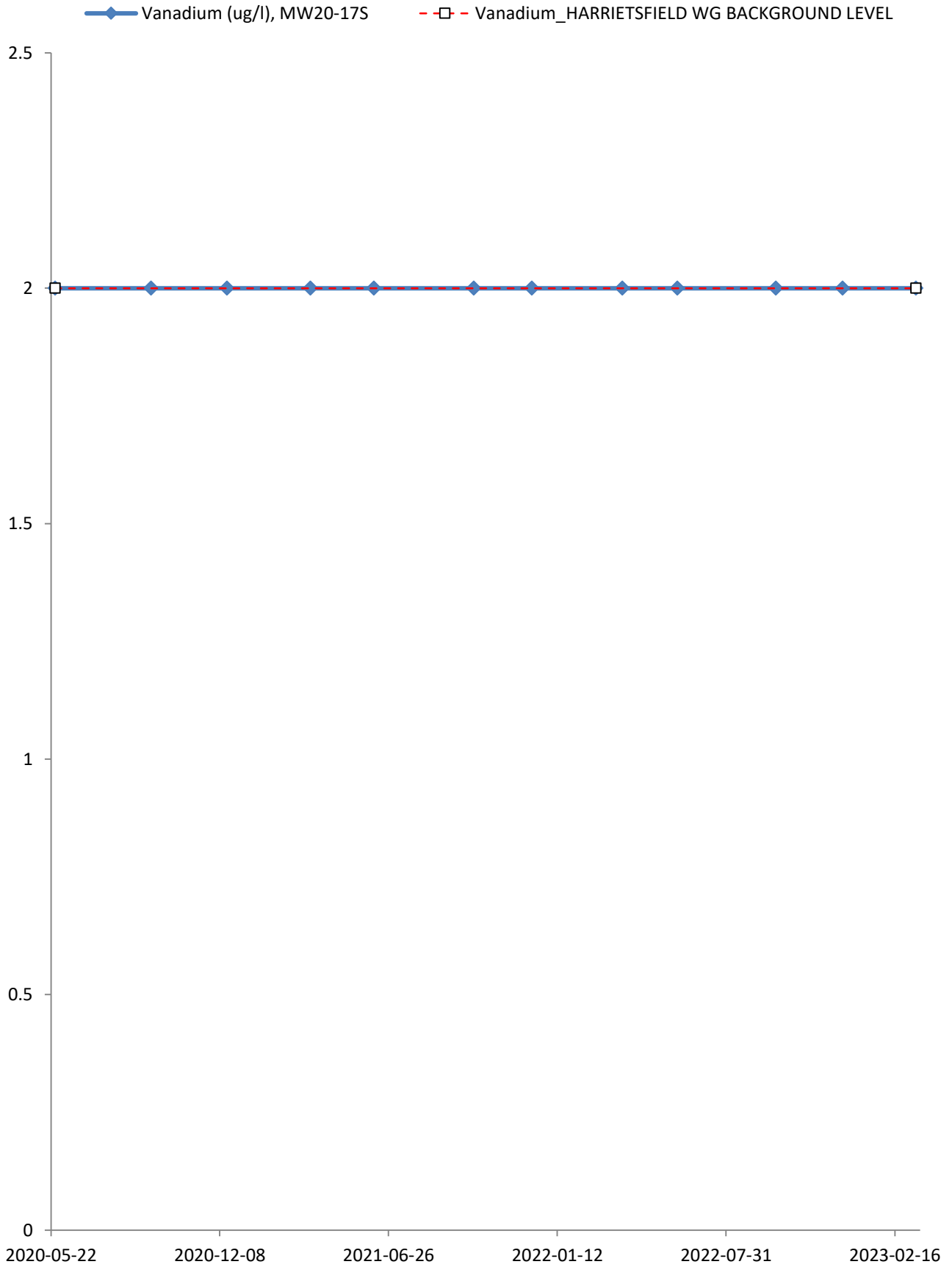
—◆— Total Organic Carbon (mg/l), MW20-17S
- -□- - Total Organic Carbon_HARRIETSFIELD WG BACKGROUND LEVEL

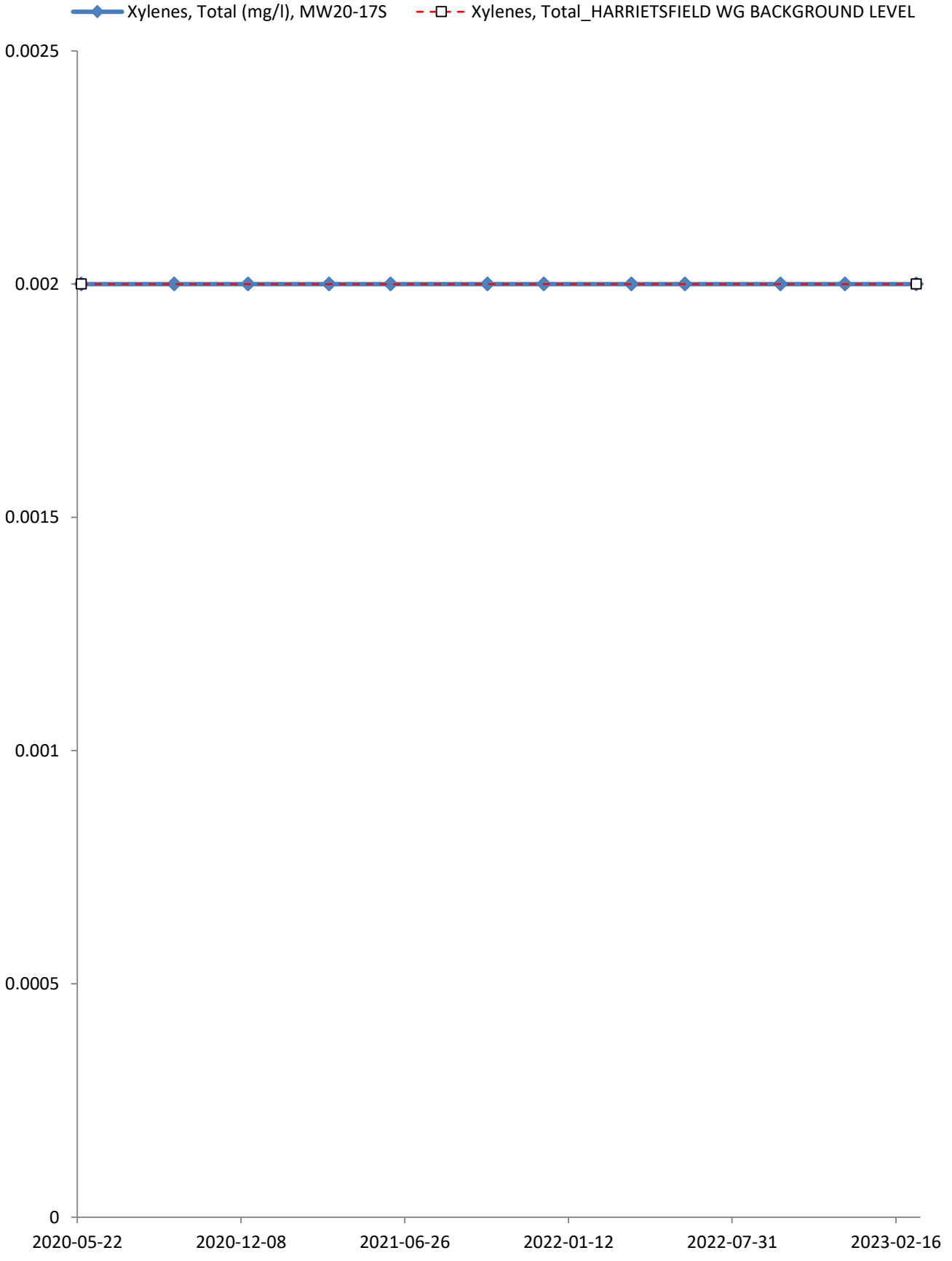


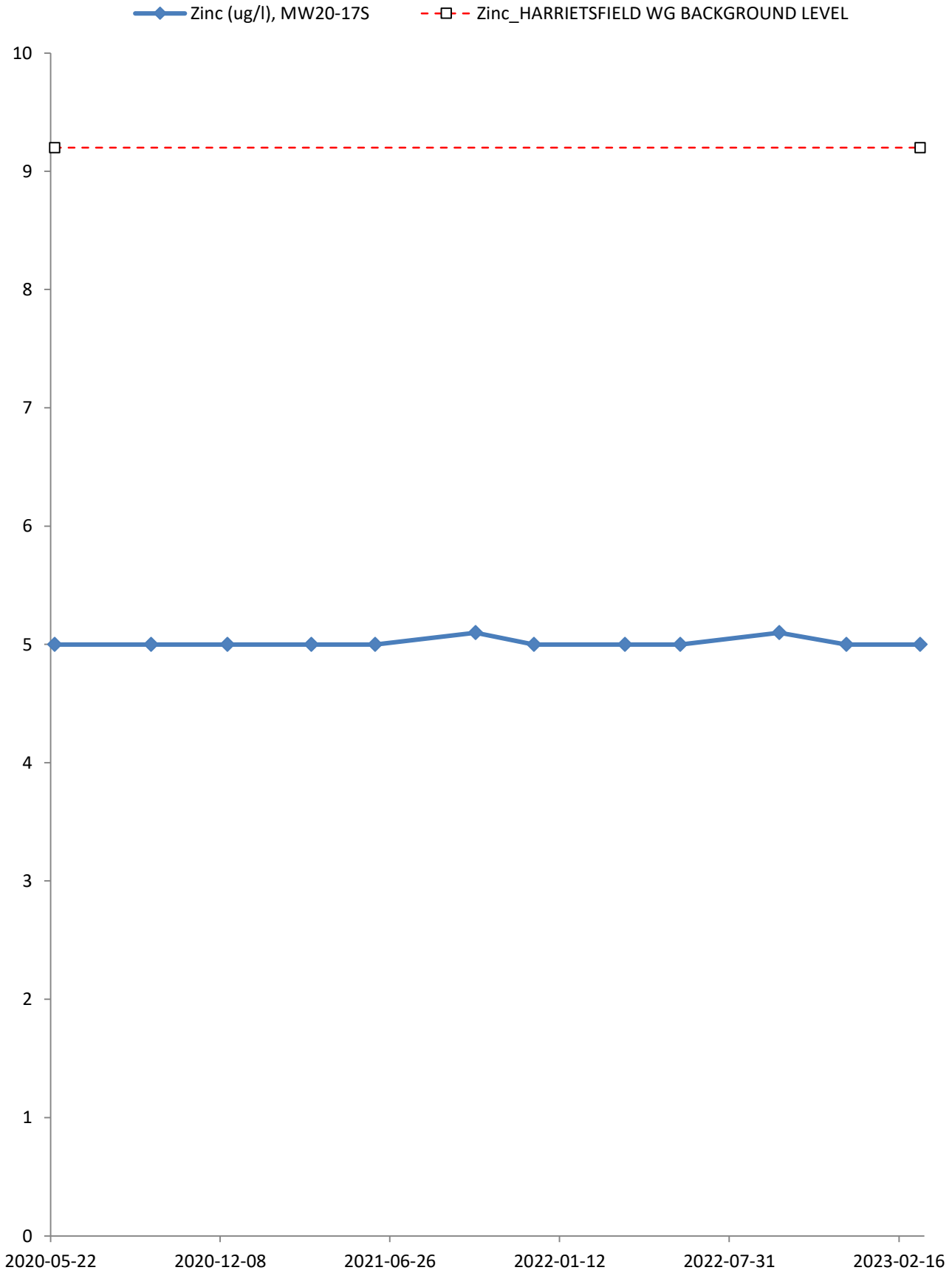




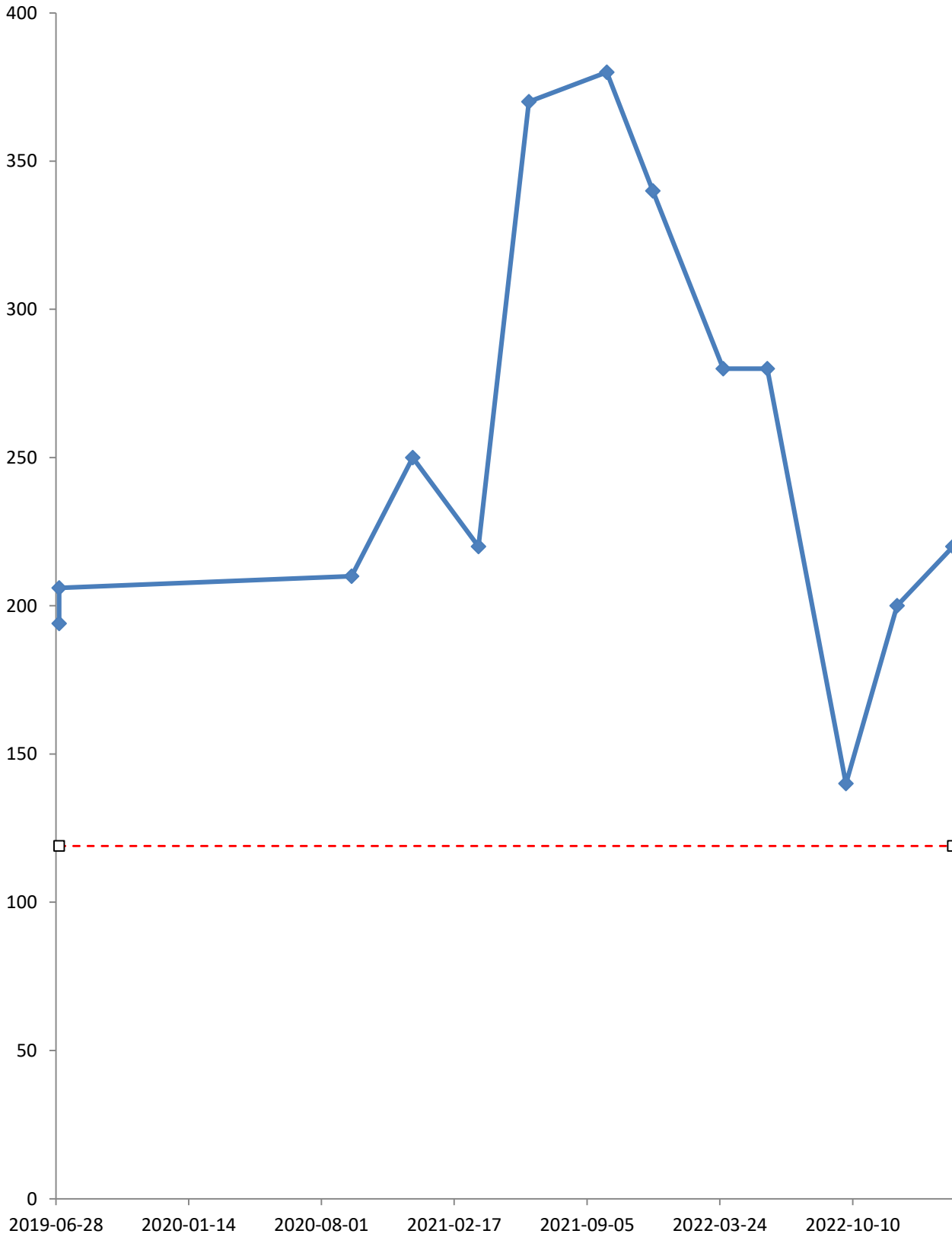




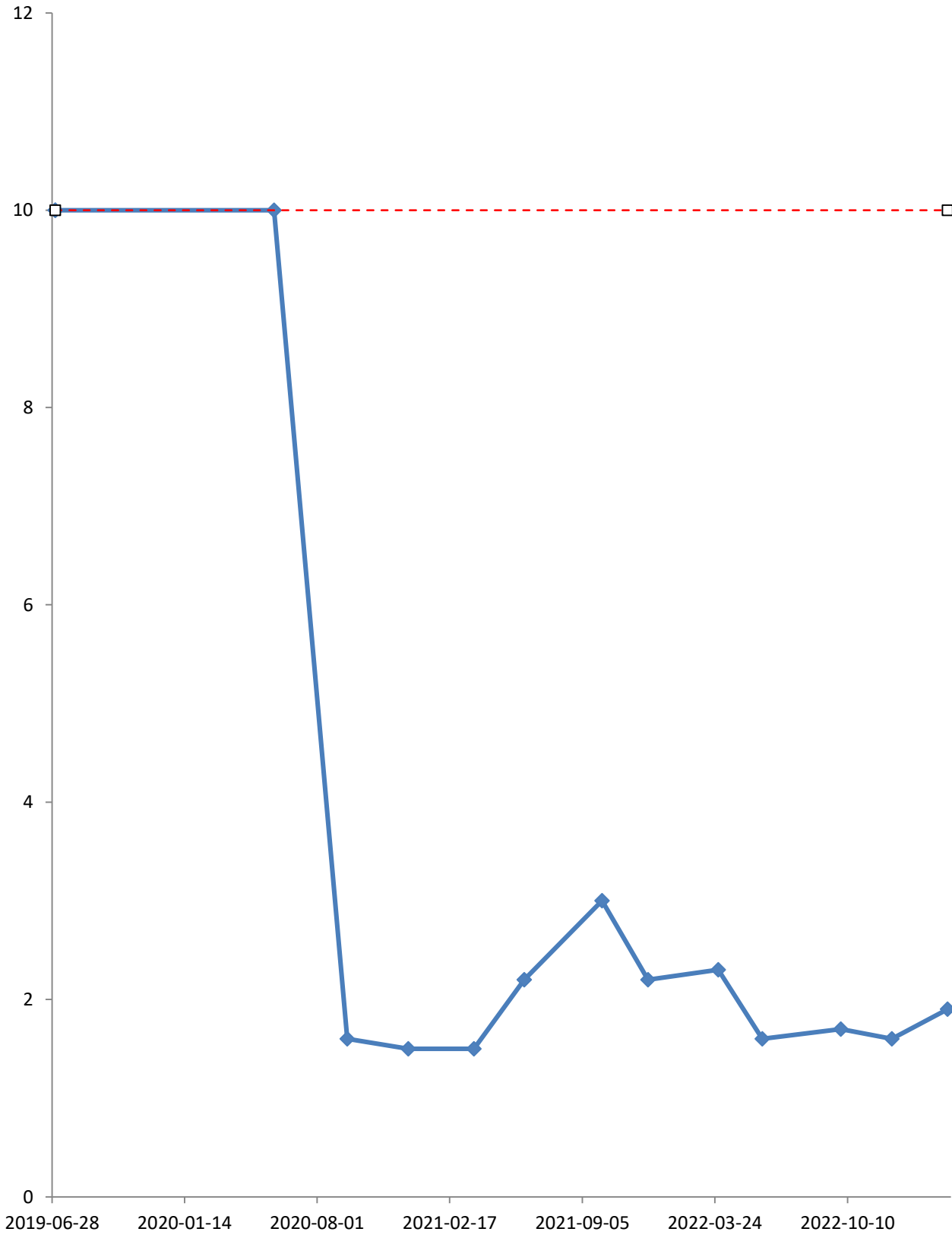


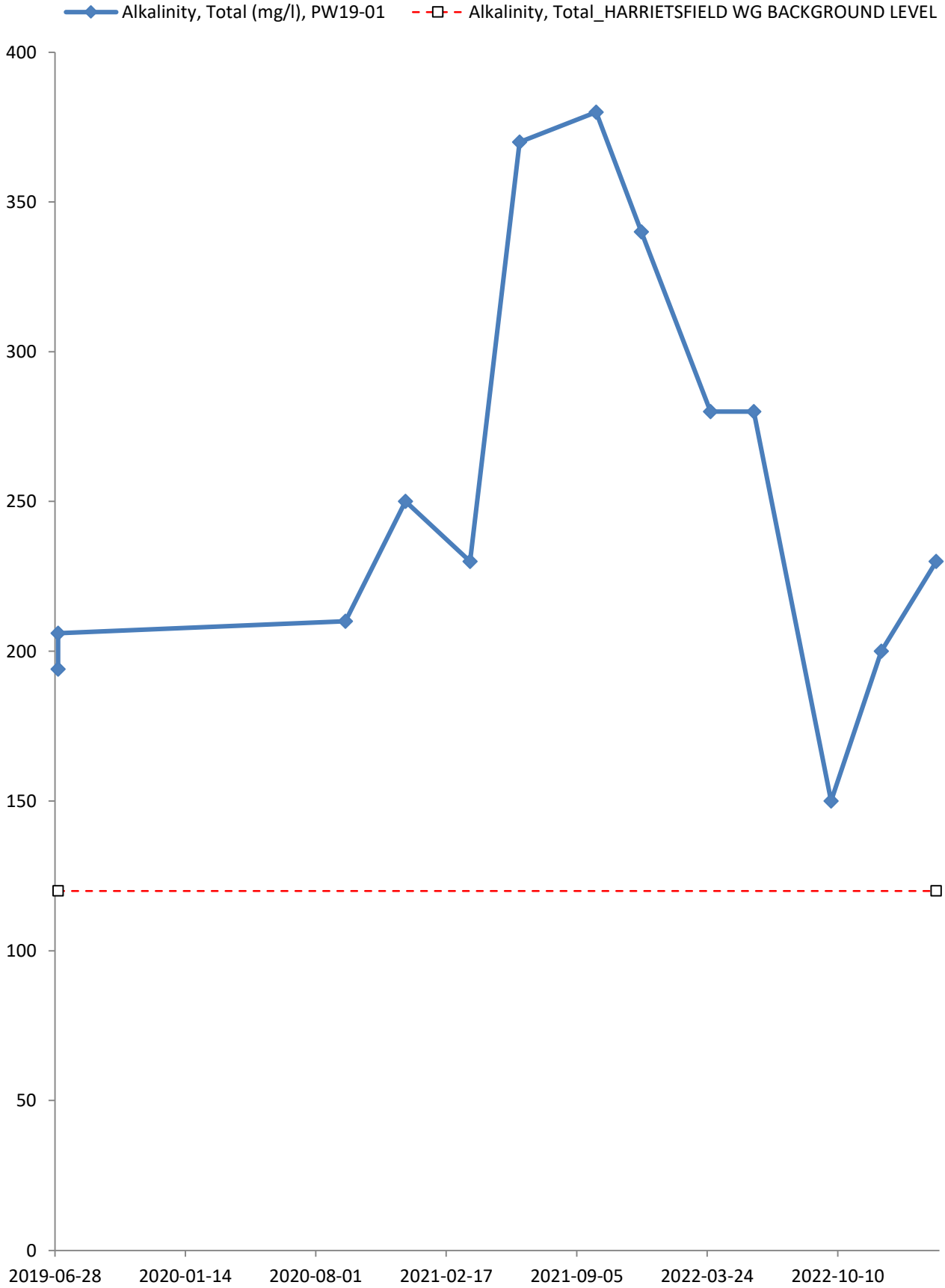


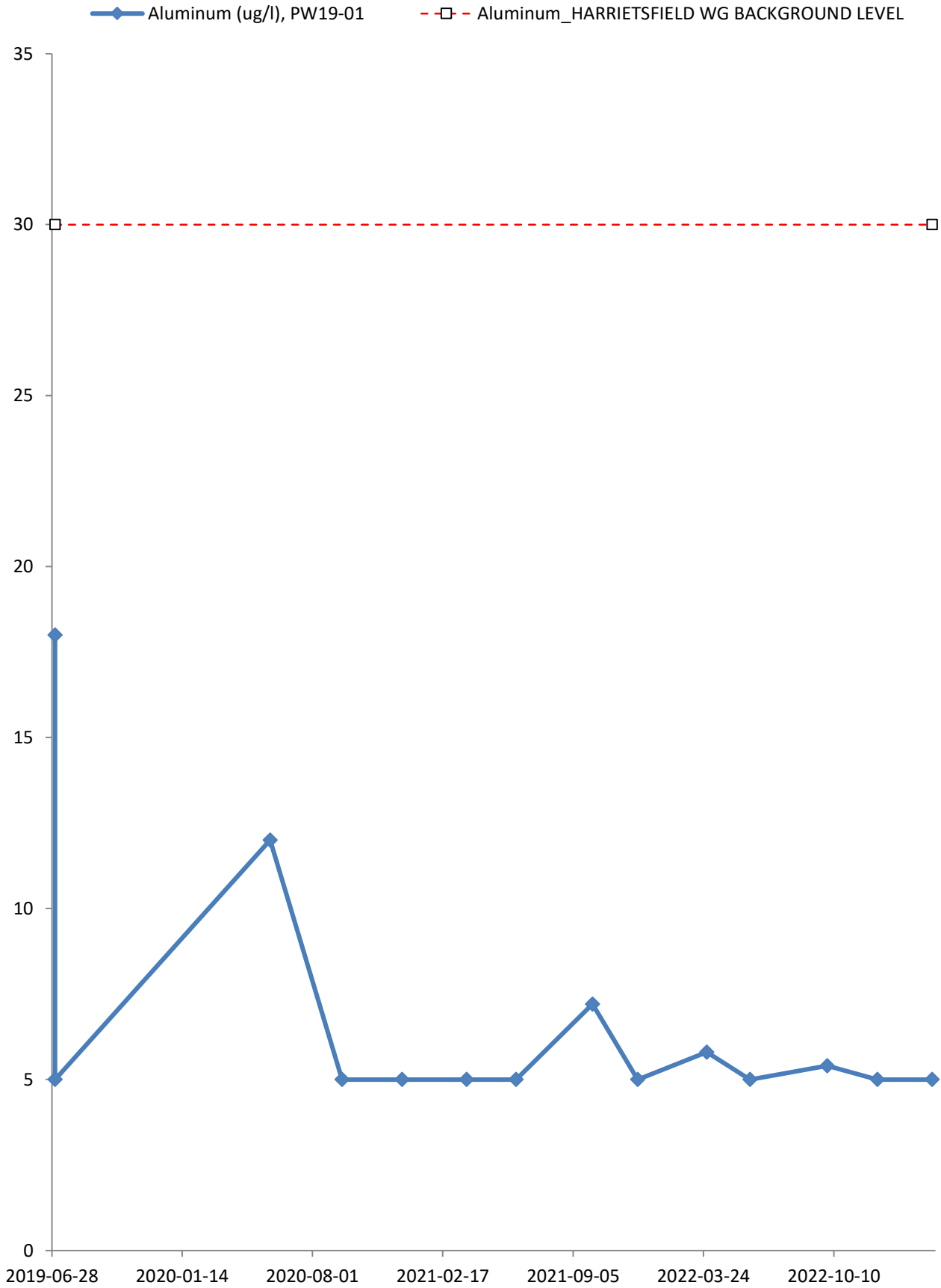
—◆— Alkalinity, Bicarbonate (mg/l), PW19-01
- -□- - Alkalinity, Bicarbonate_HARRIETSFIELD WG BACKGROUND LEVEL

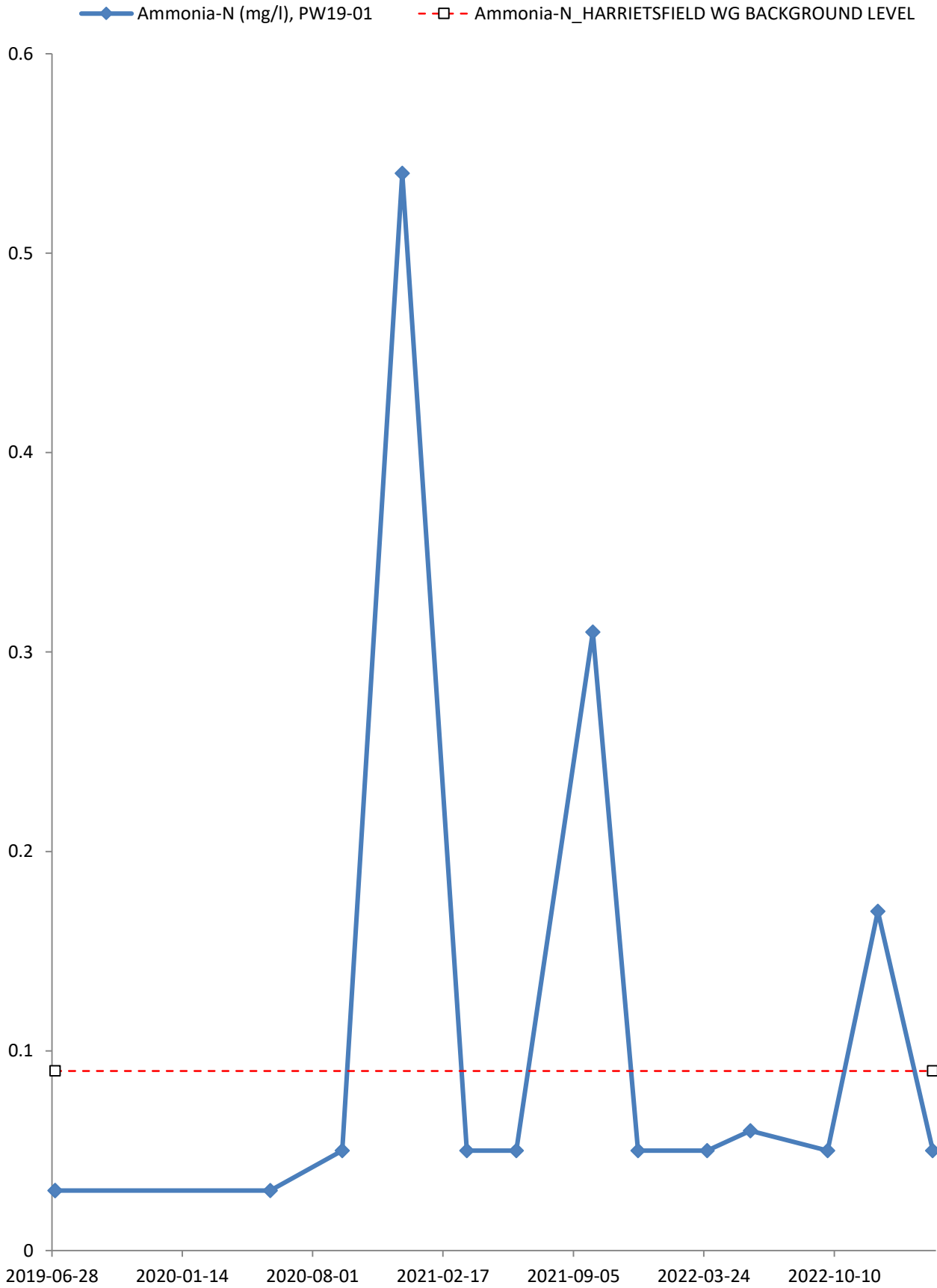


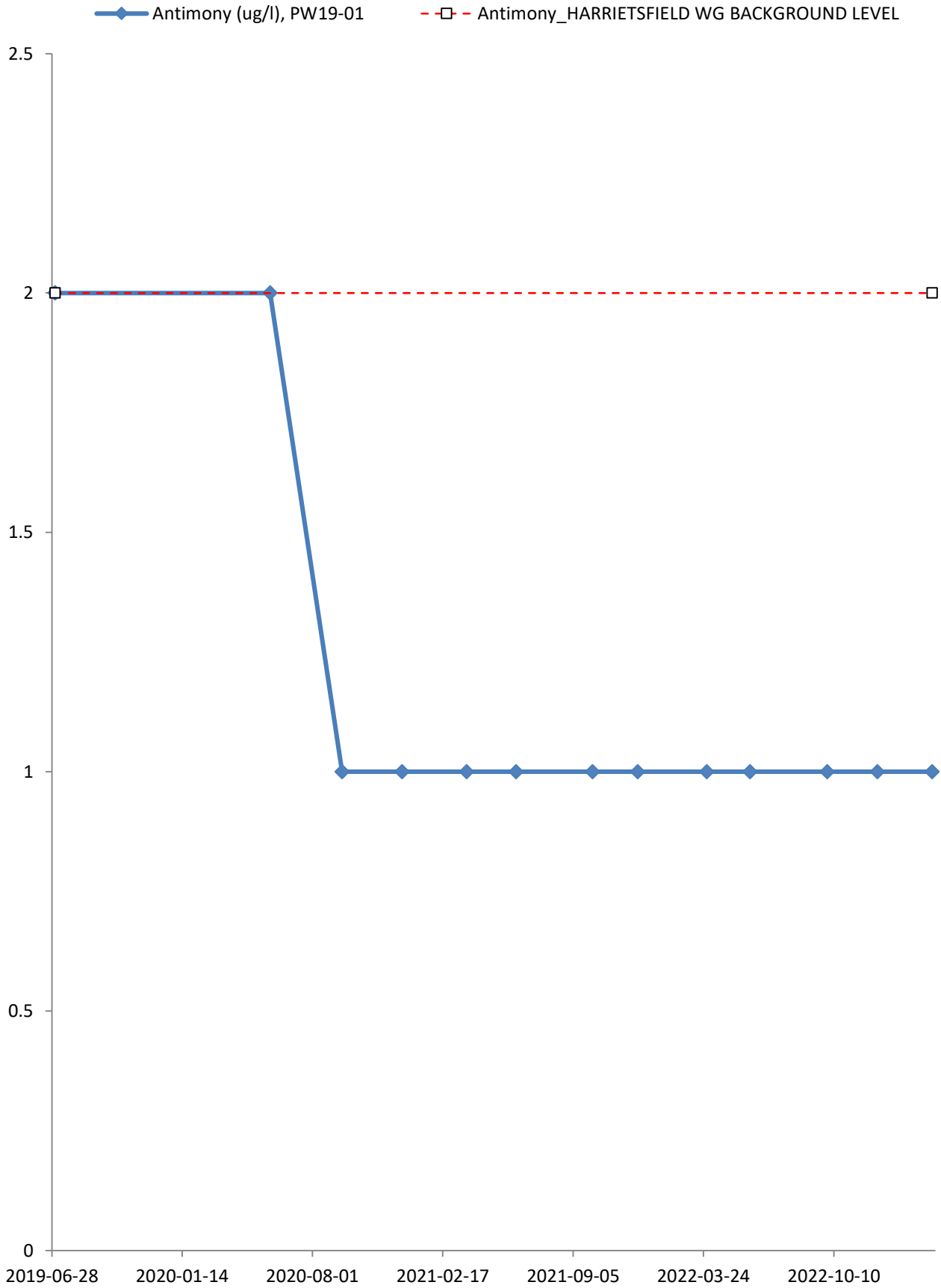
—◆— Alkalinity, Carbonate (mg/l), PW19-01
- - □ - - Alkalinity, Carbonate_HARRIETSFIELD WG BACKGROUND LEVEL

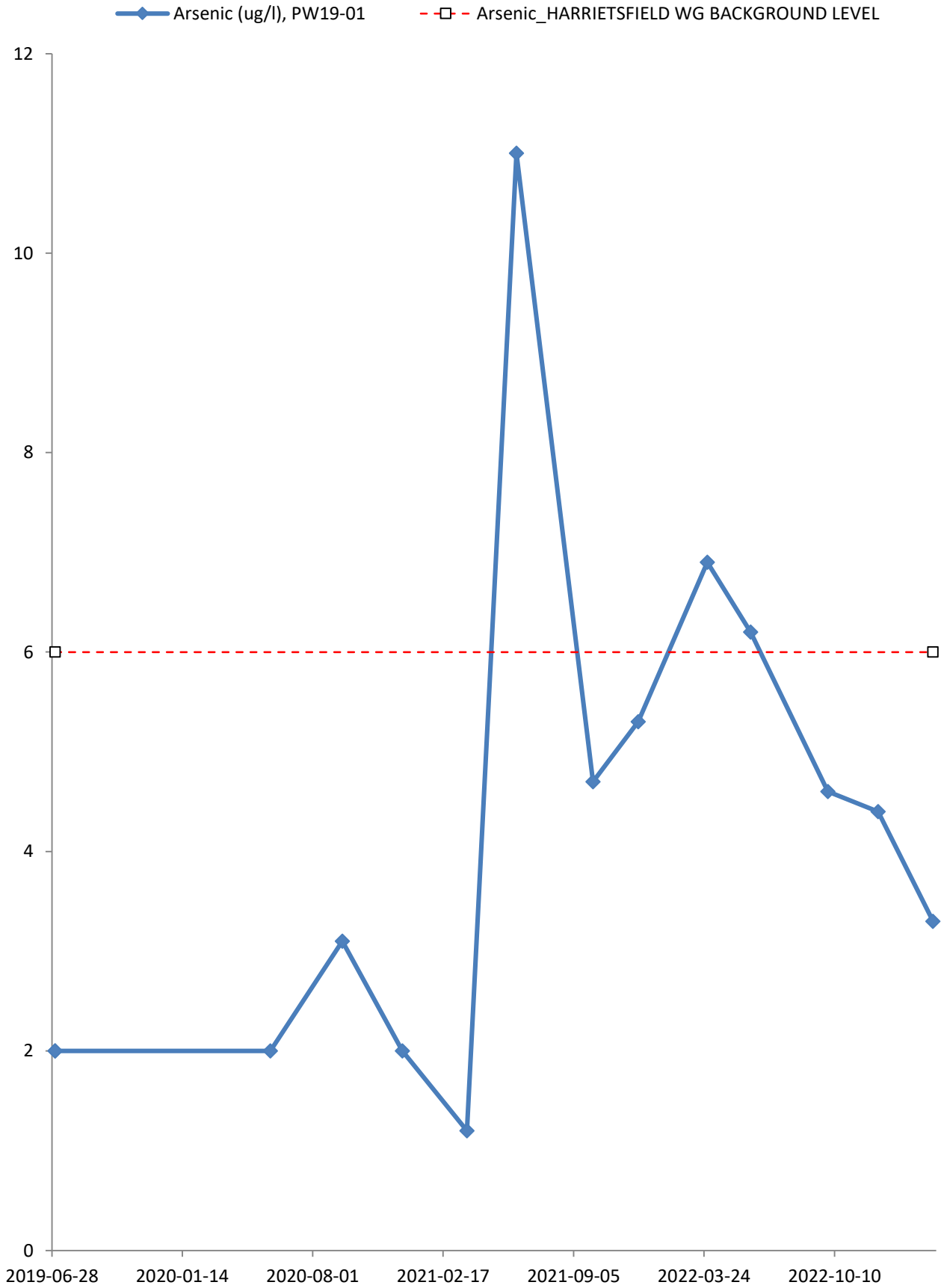


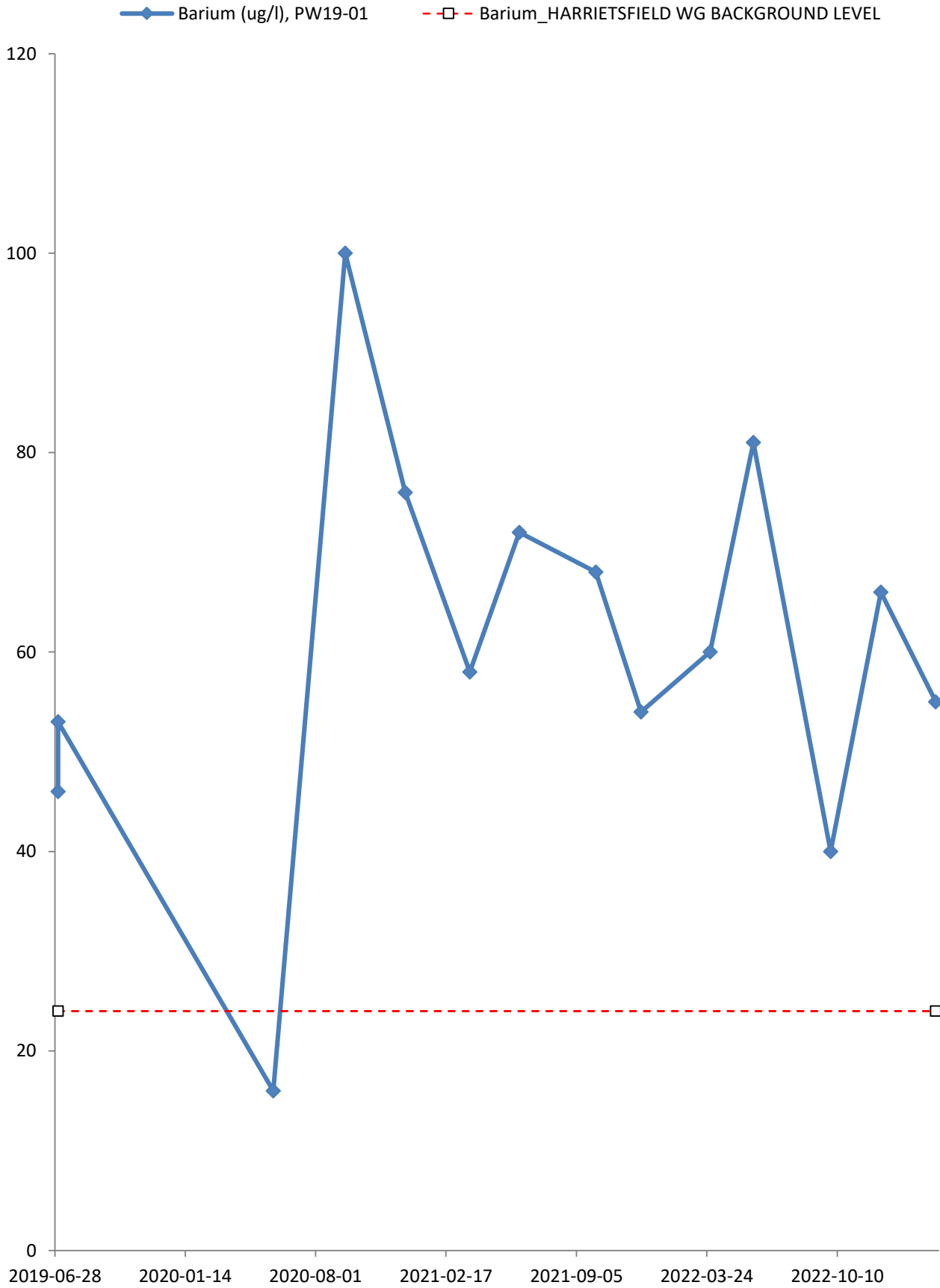


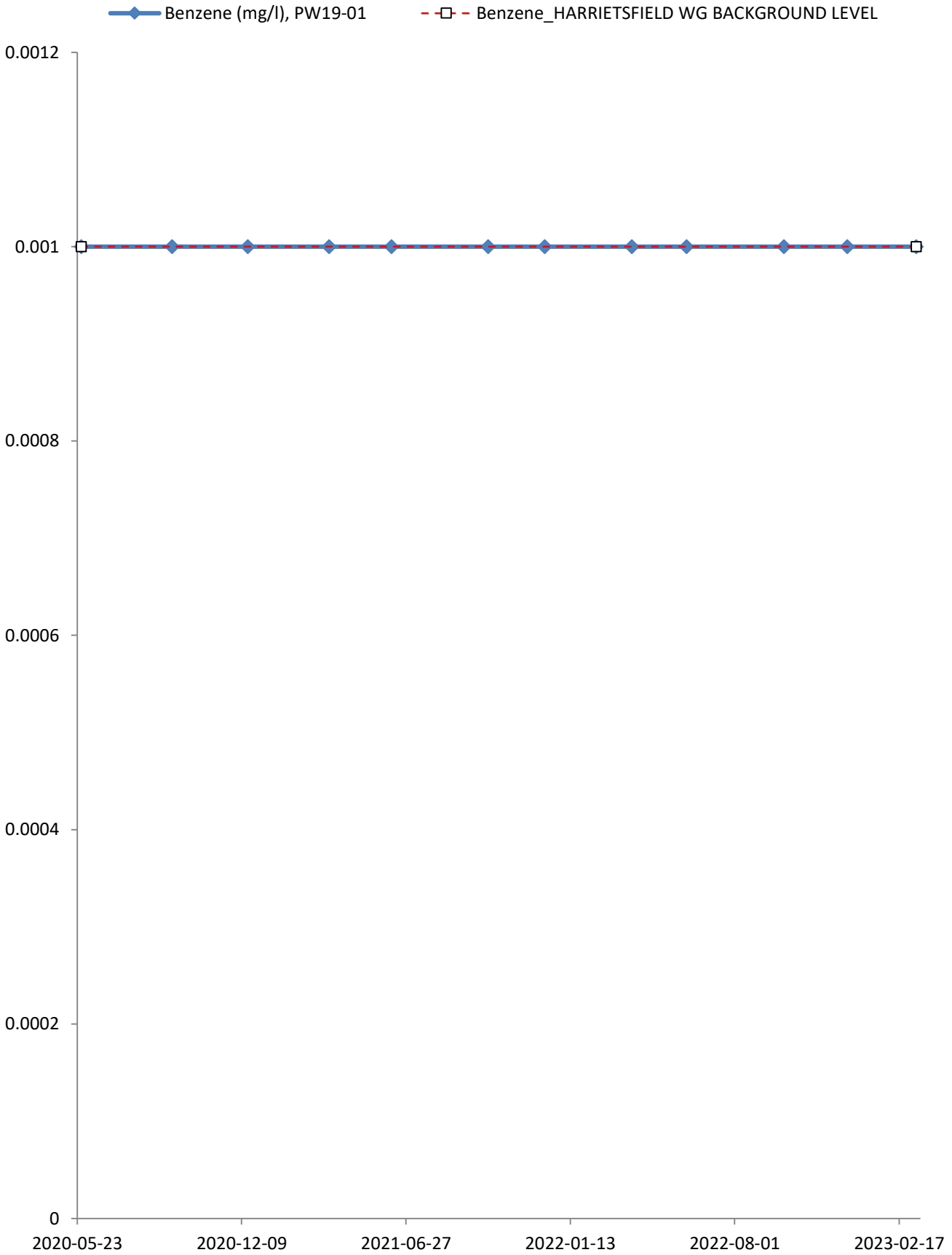


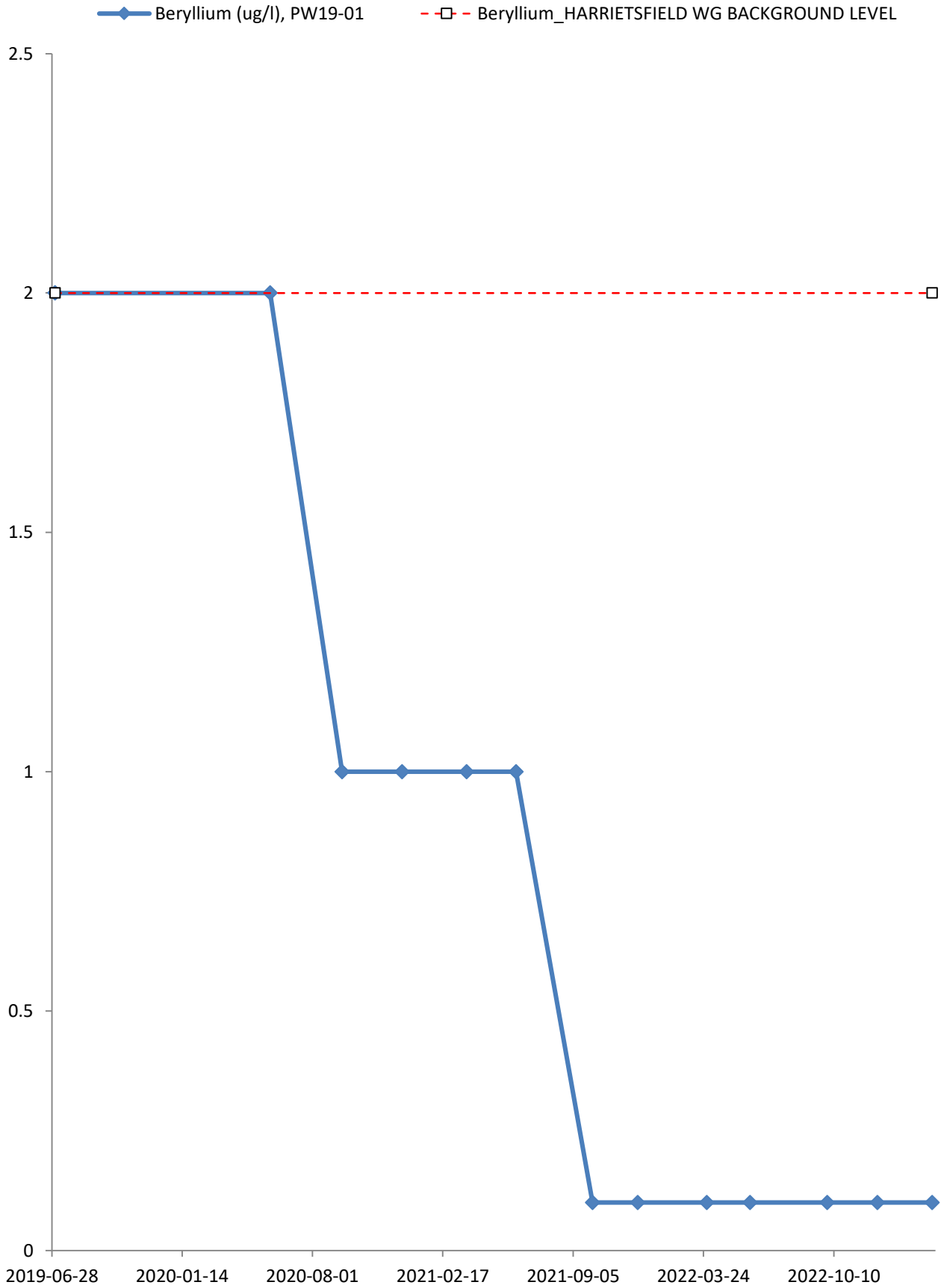


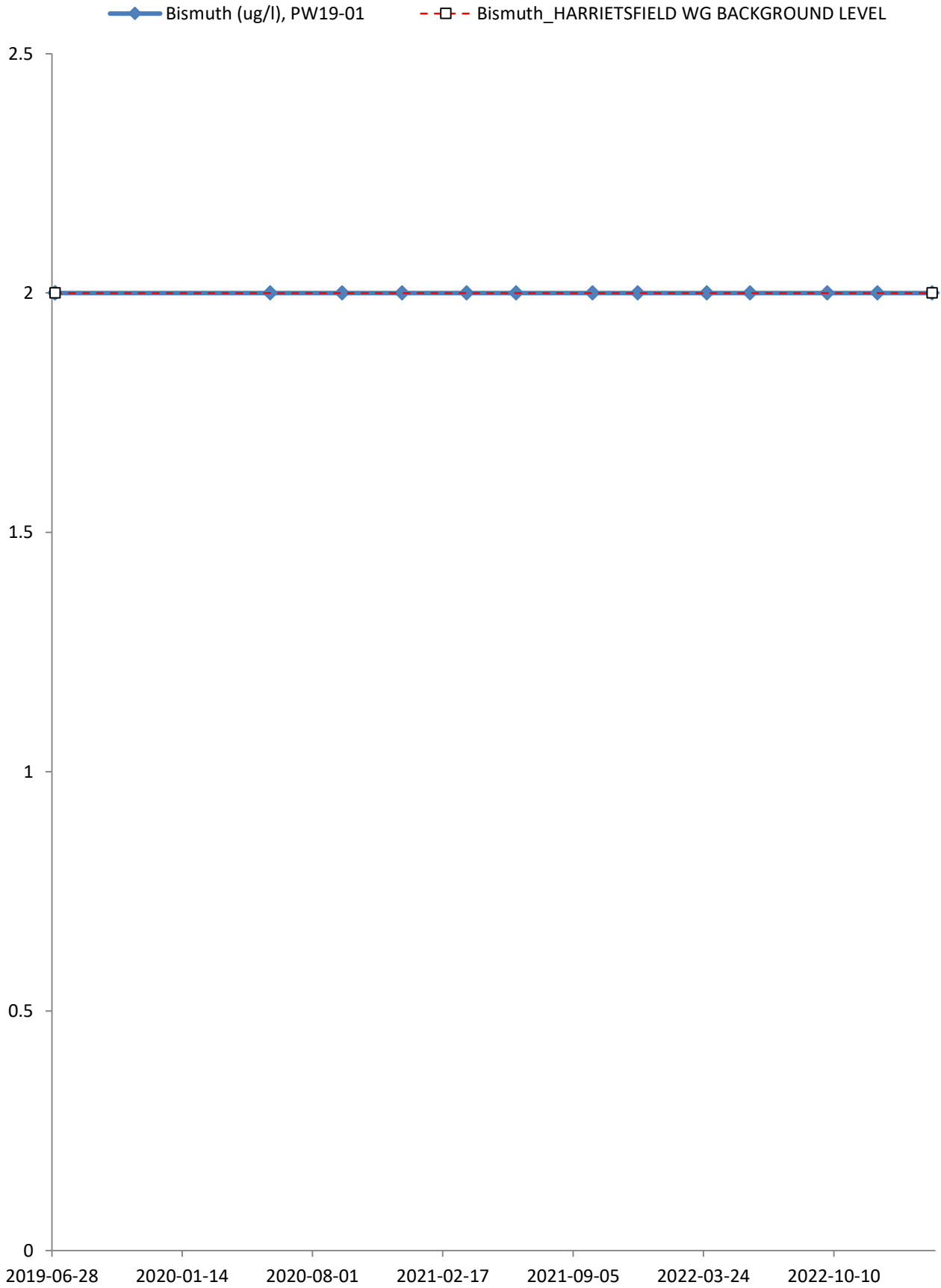


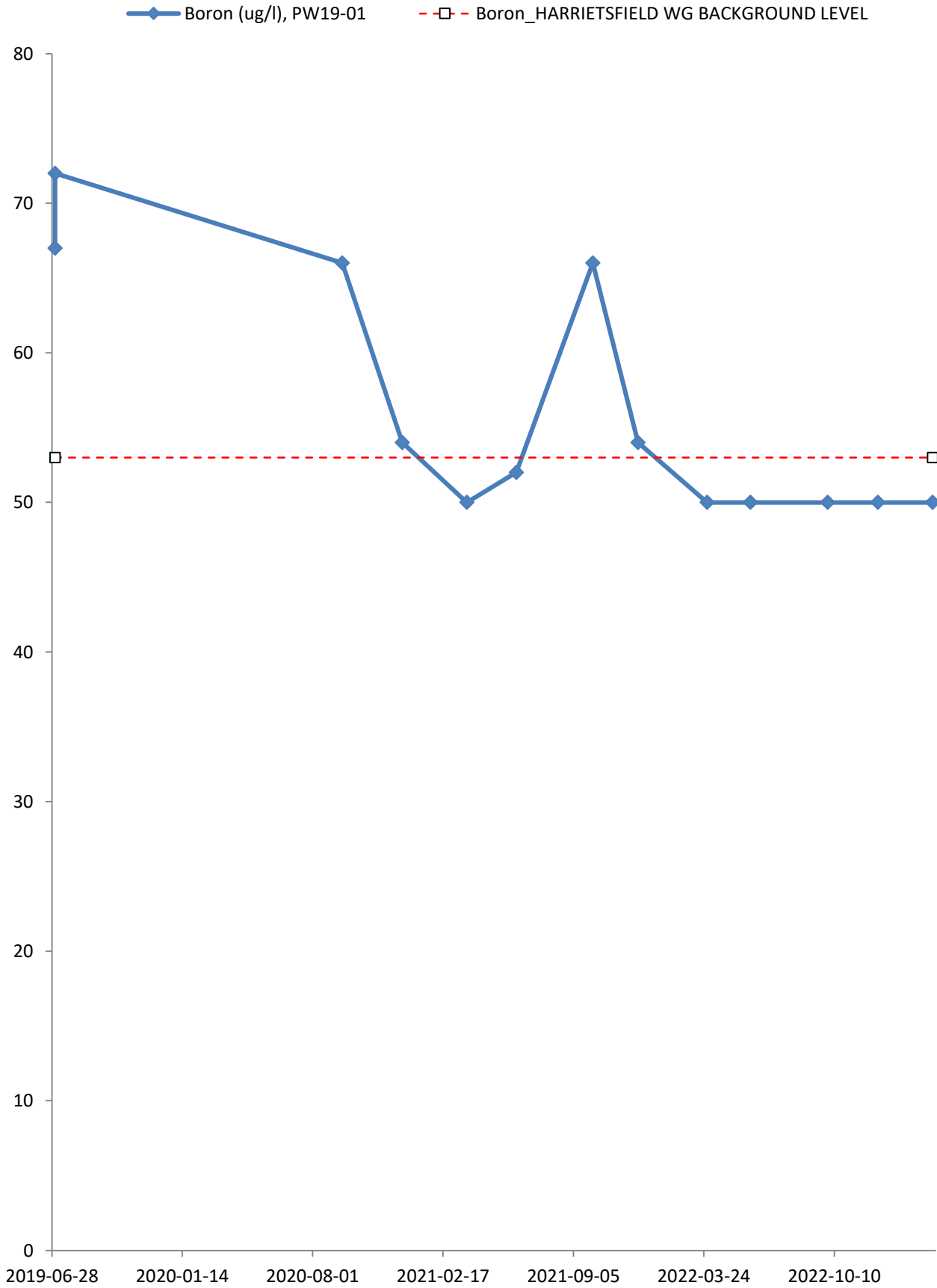


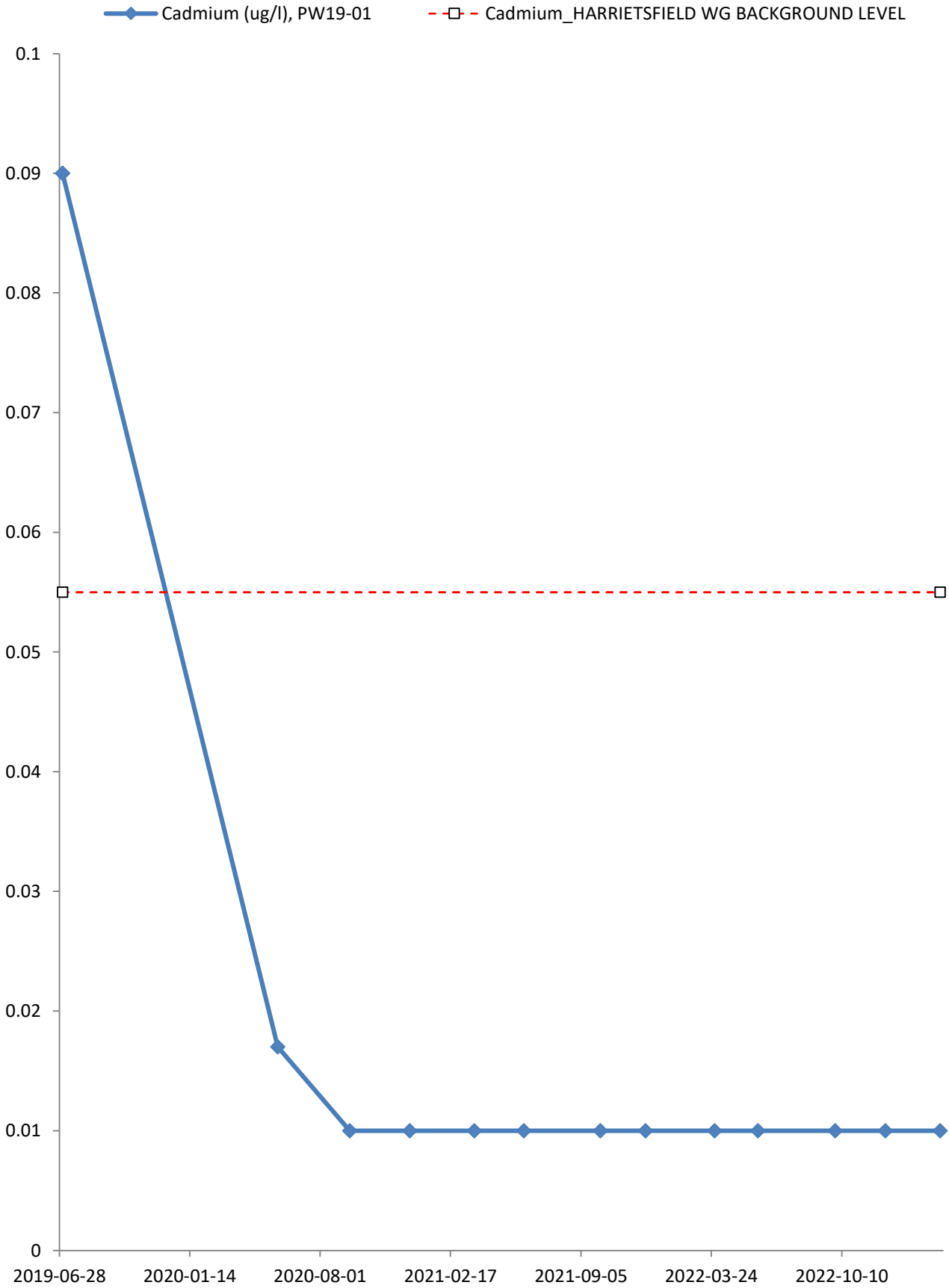


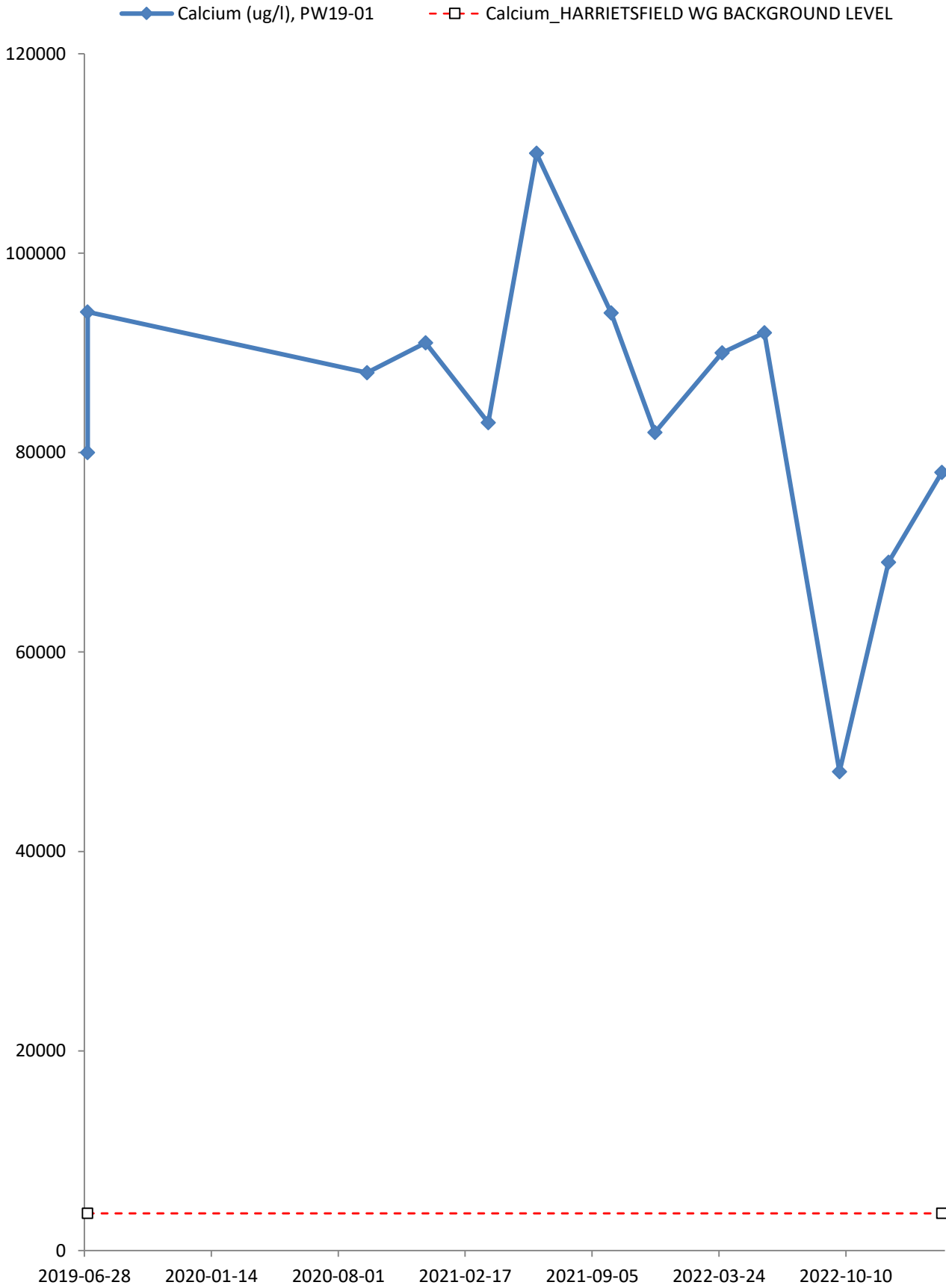




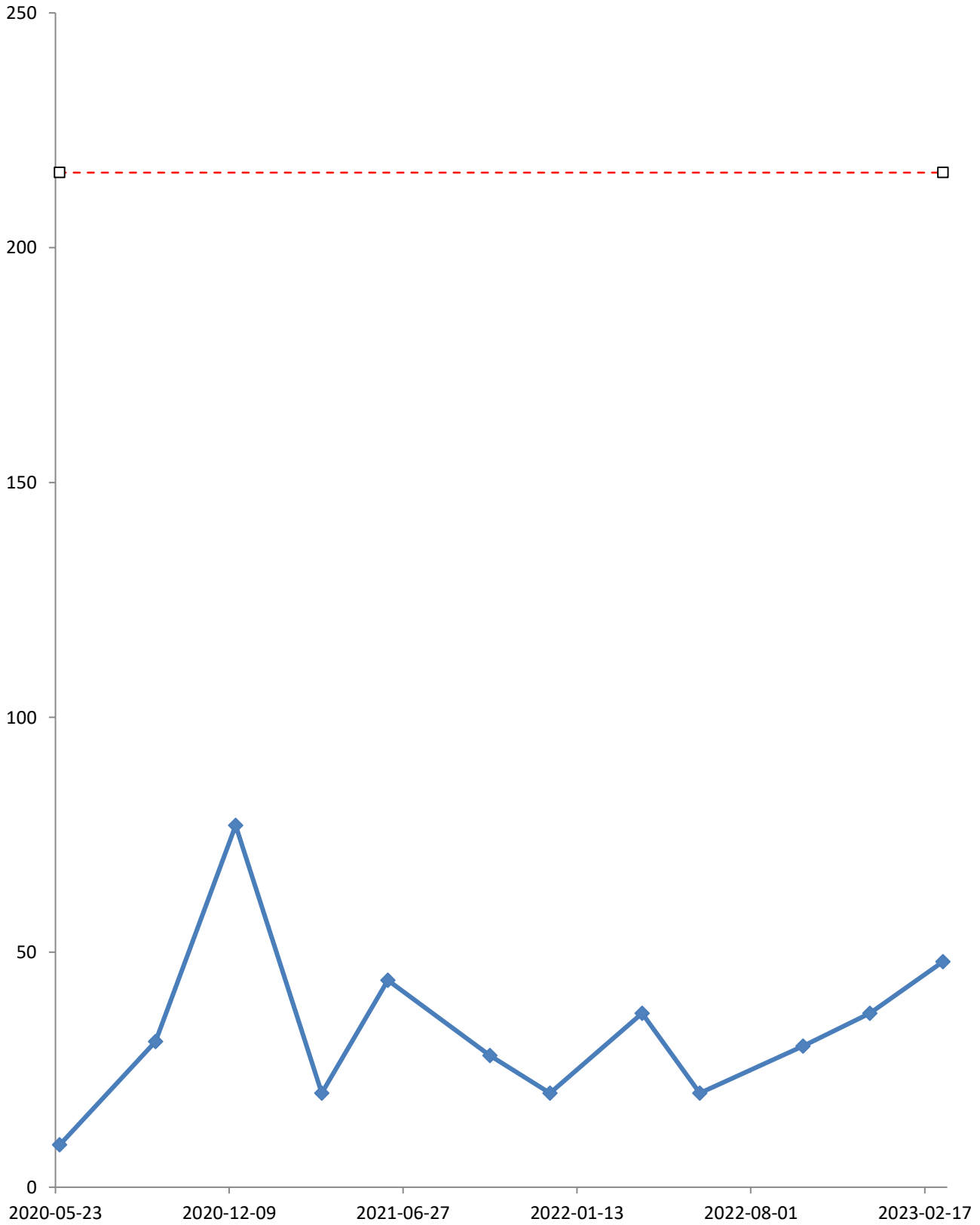


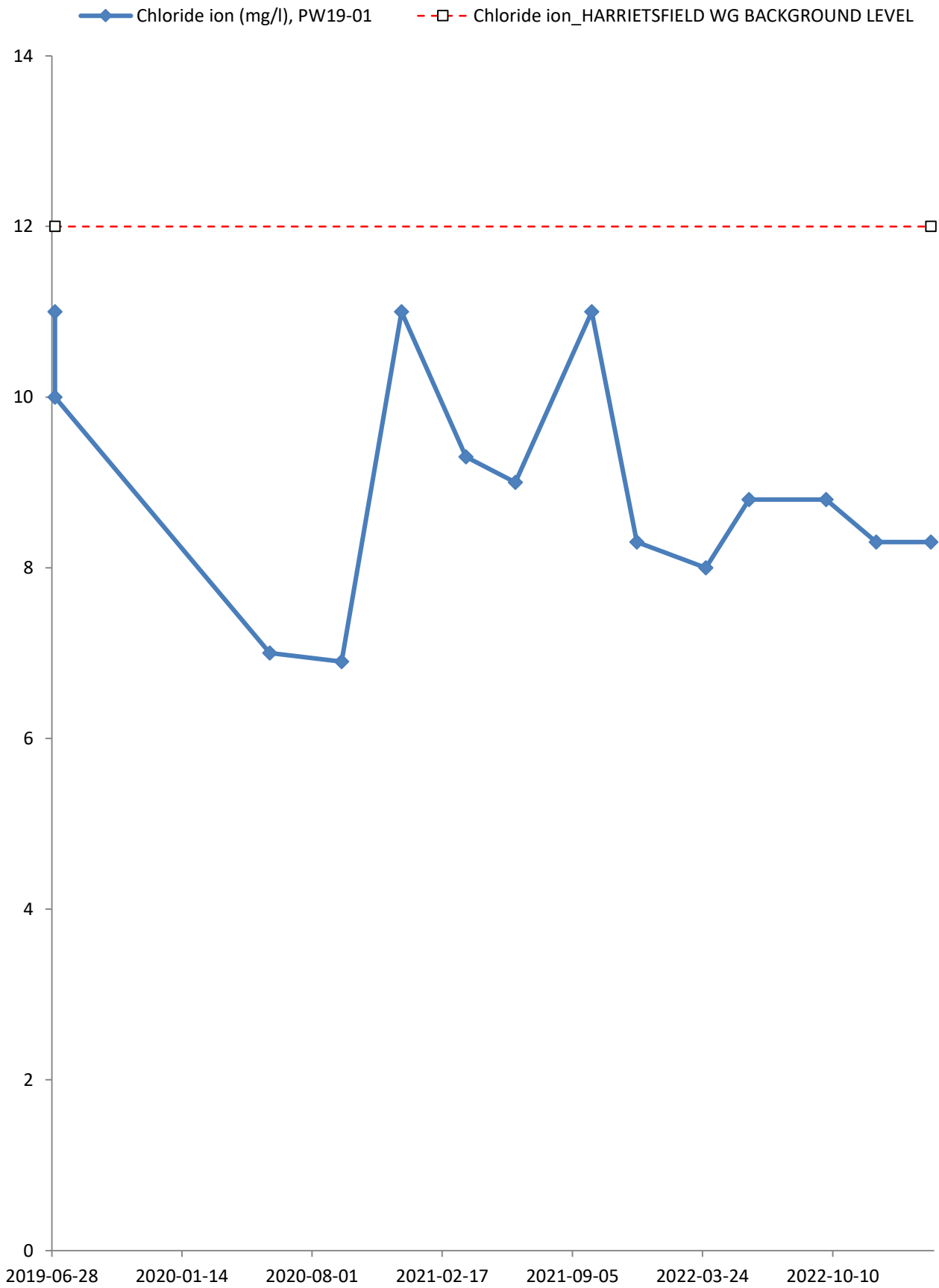


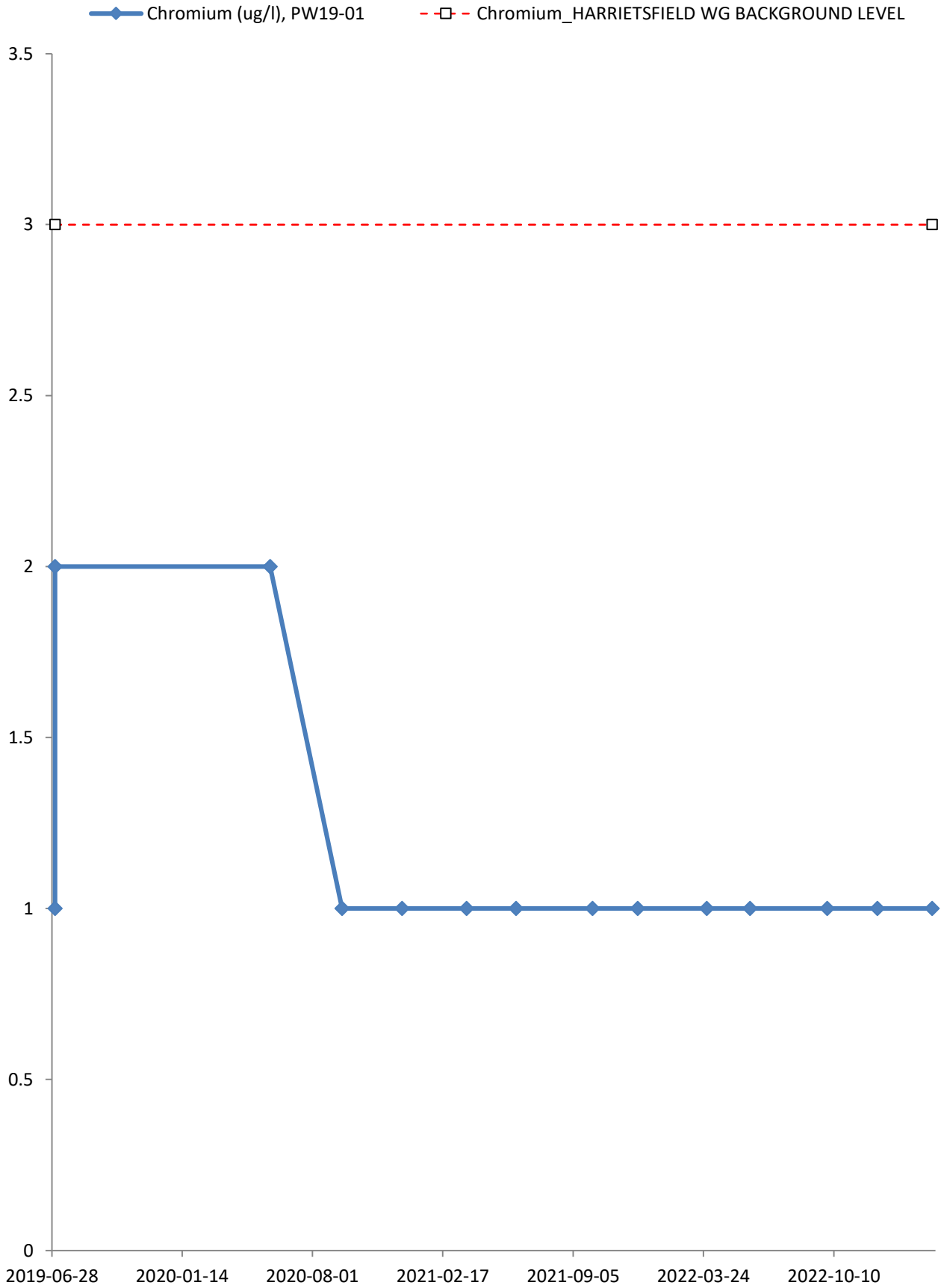




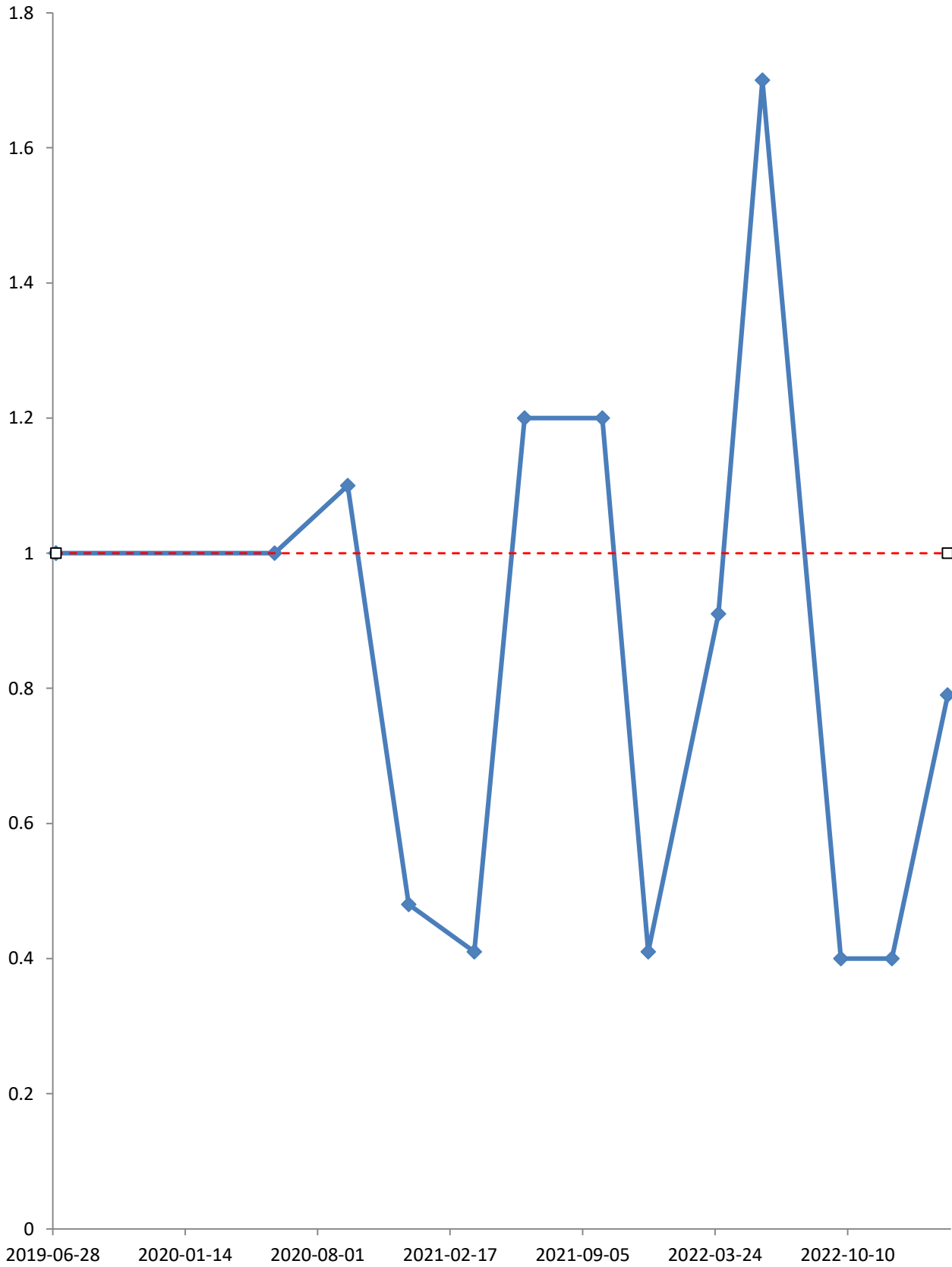
—◆— Chemical Oxygen Demand (mg/l), PW19-01
- - □ - - Chemical Oxygen Demand_HARRIETSFIELD WG BACKGROUND LEVEL

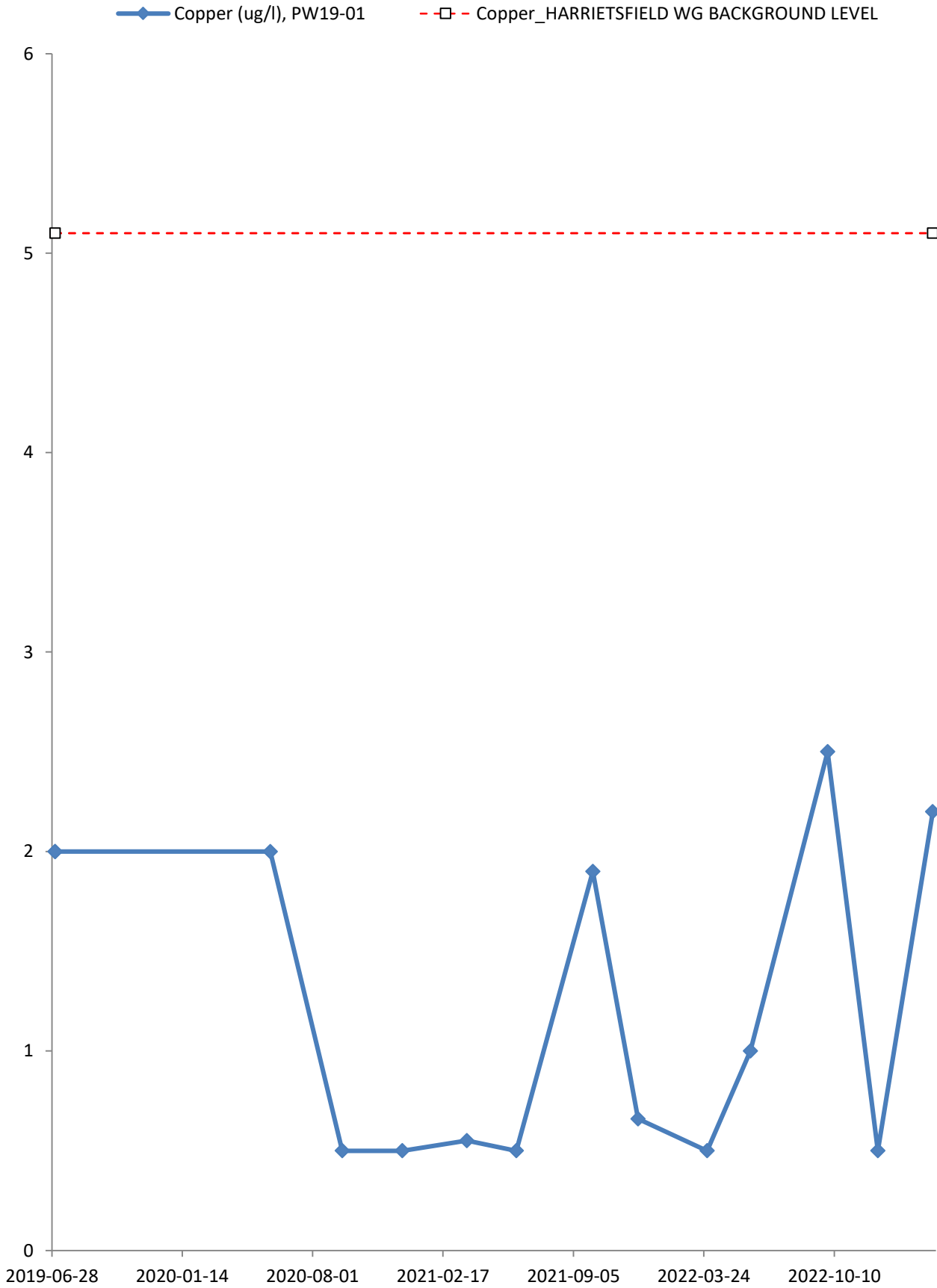




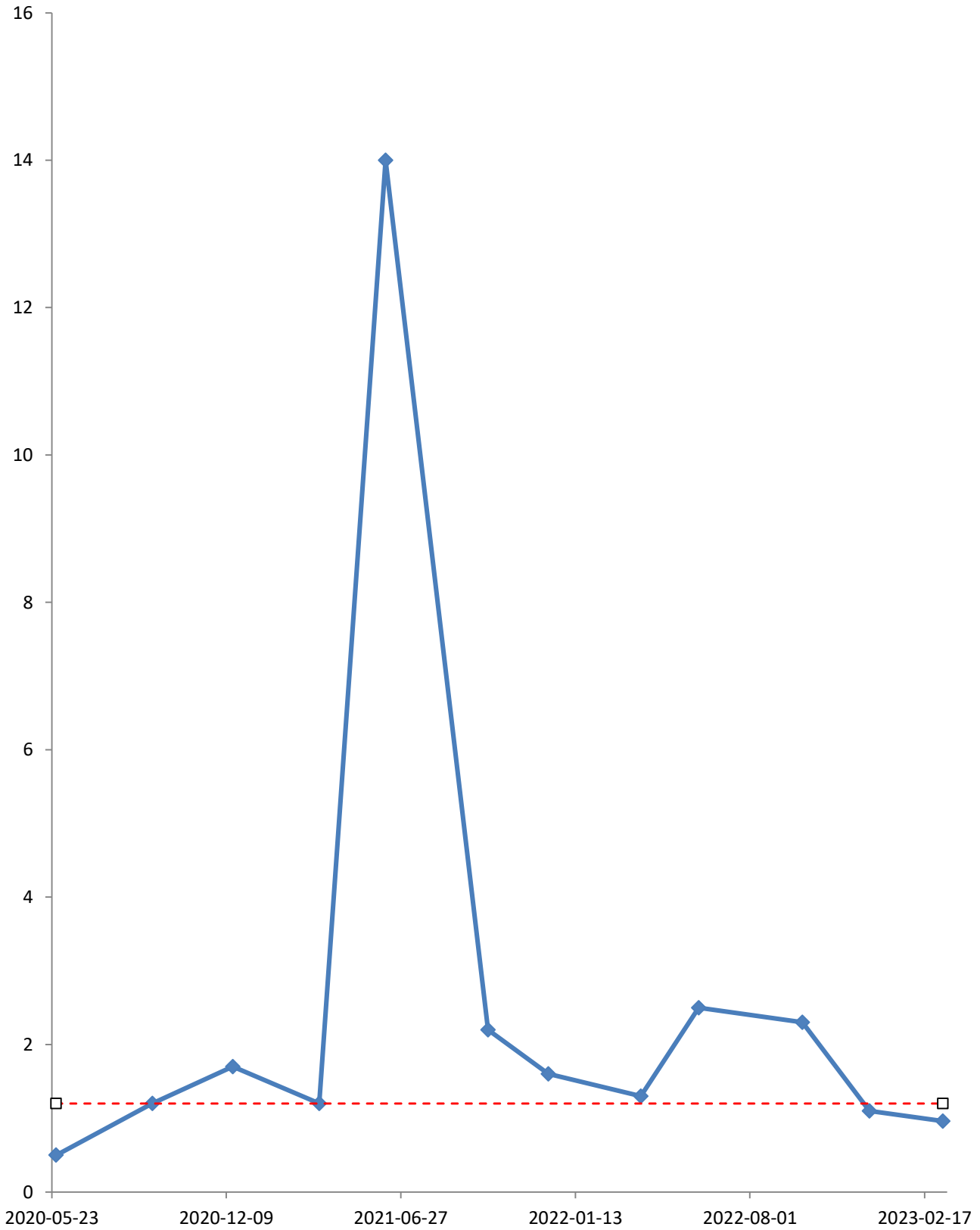


—◆— Cobalt (ug/l), PW19-01 - - □ - - Cobalt_HARRIETSFIELD WG BACKGROUND LEVEL

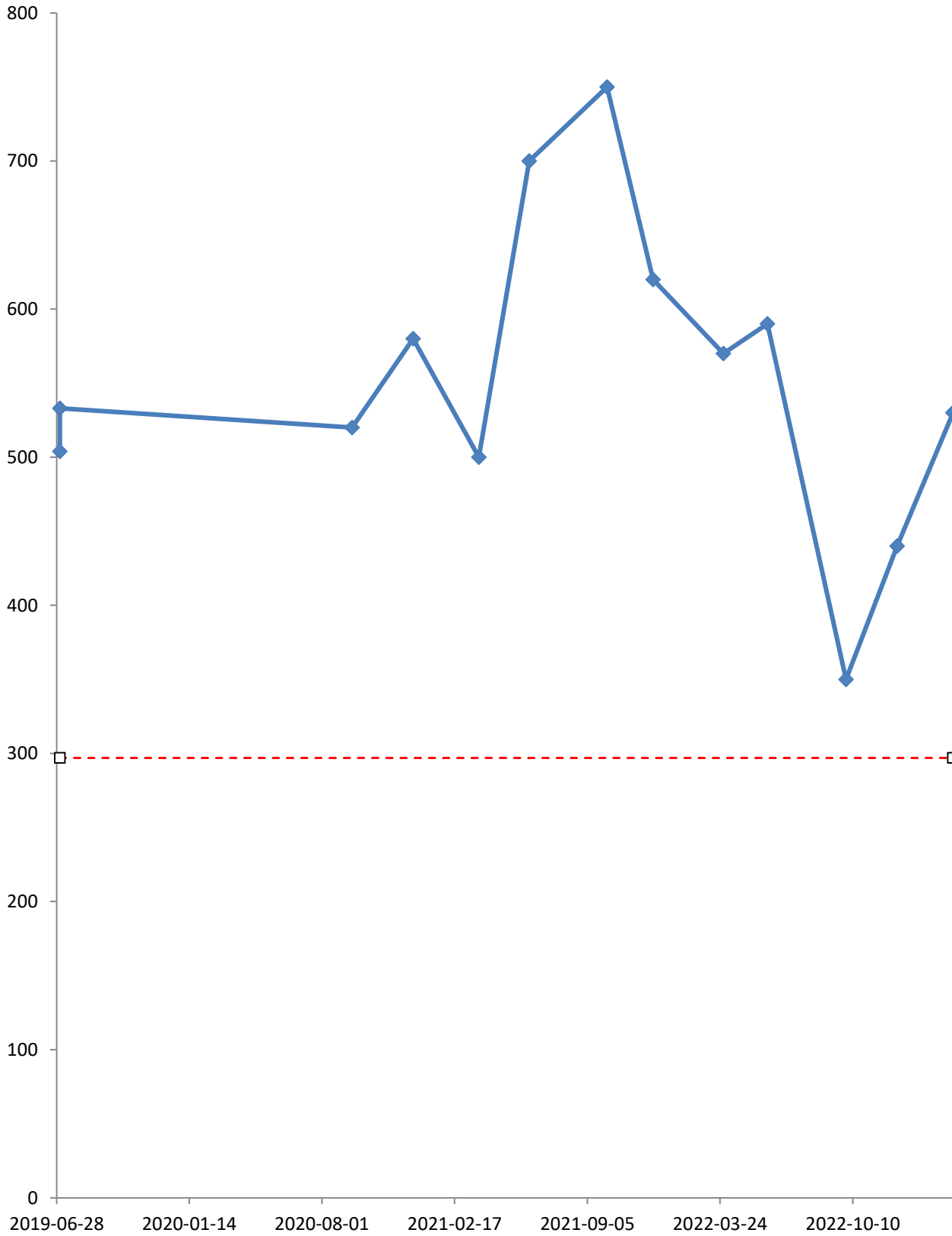


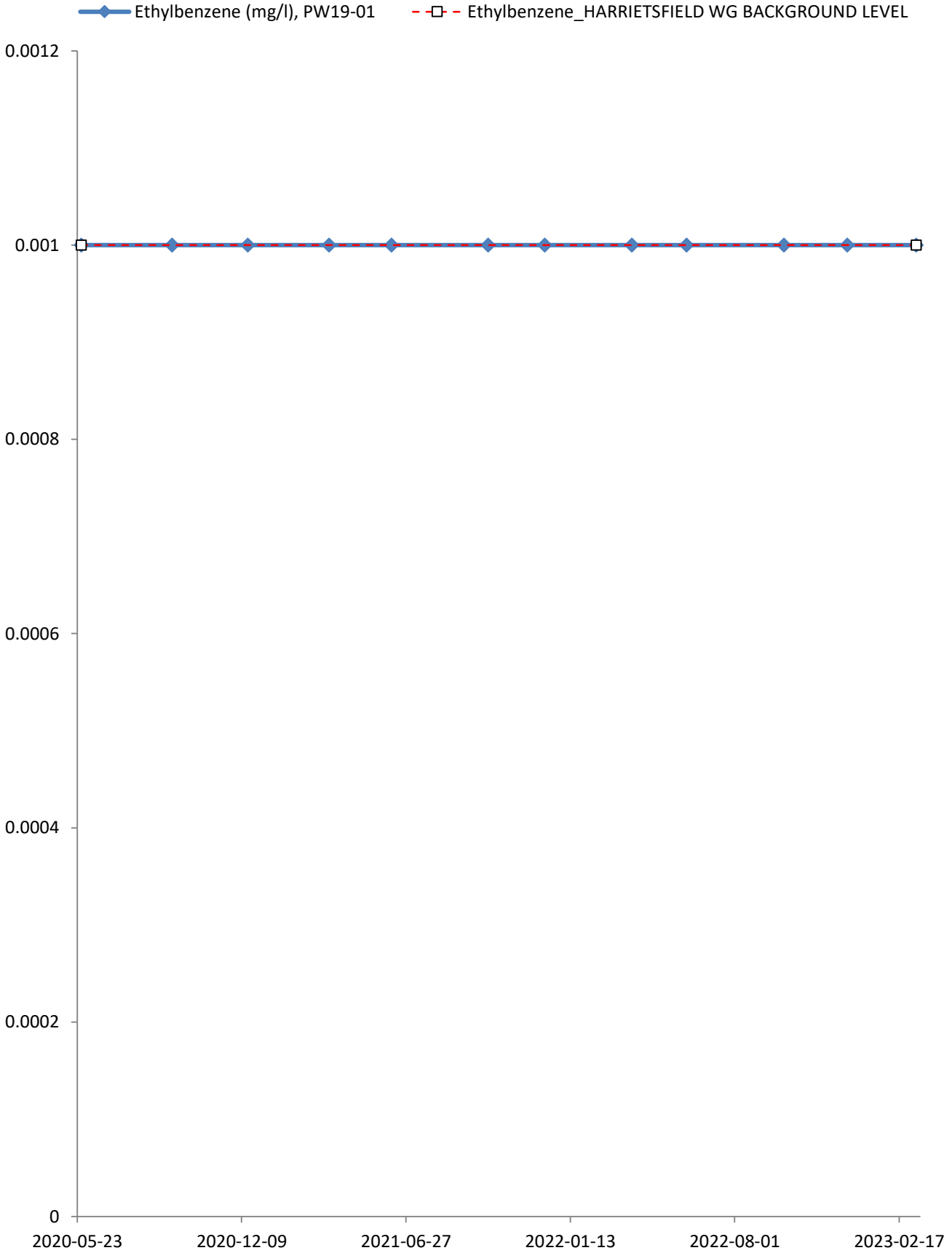


◆ Dissolved Organic Carbon (DOC) (mg/l), PW19-01
-□- Dissolved Organic Carbon (DOC)_HARRIETSFIELD WG BACKGROUND LEVEL

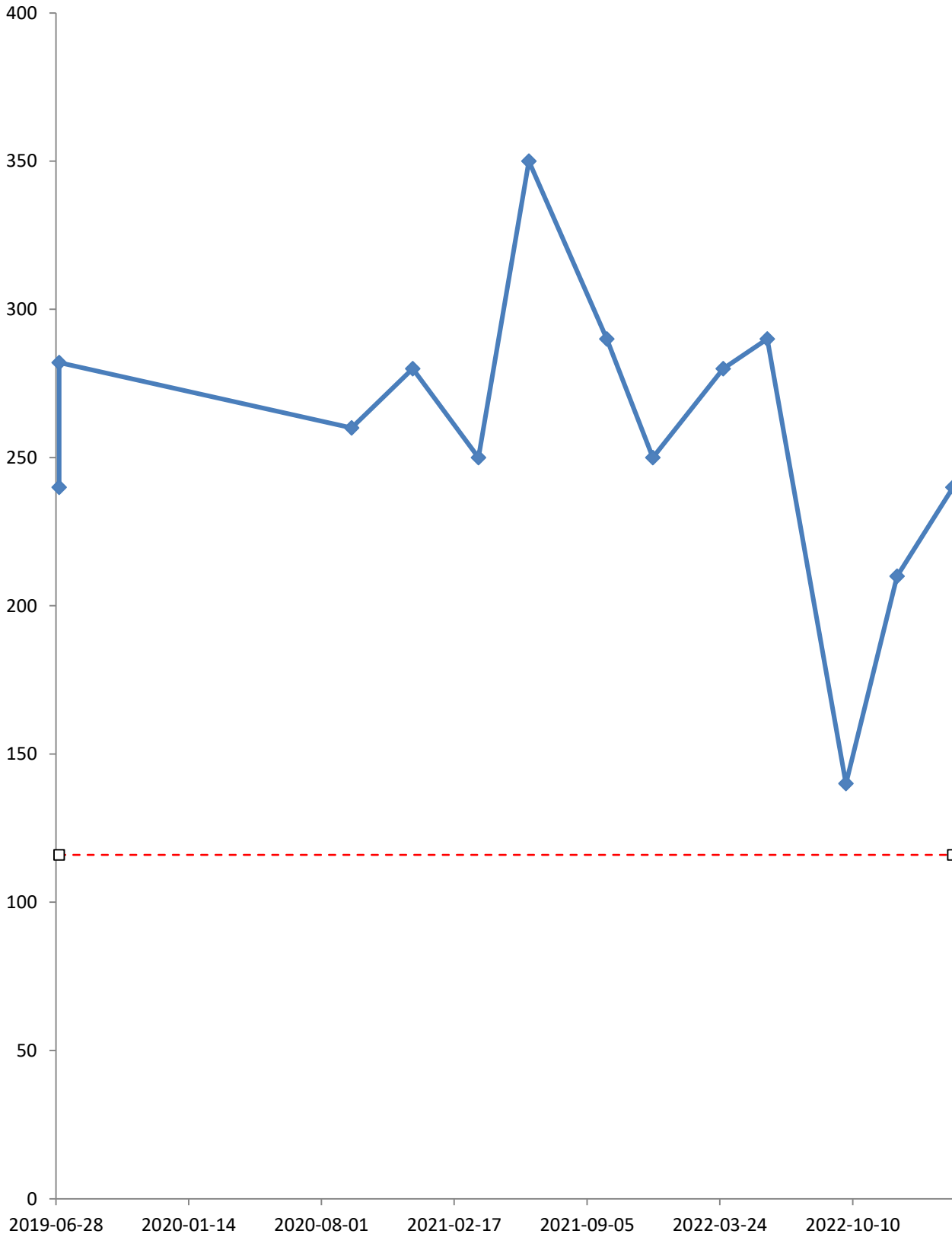


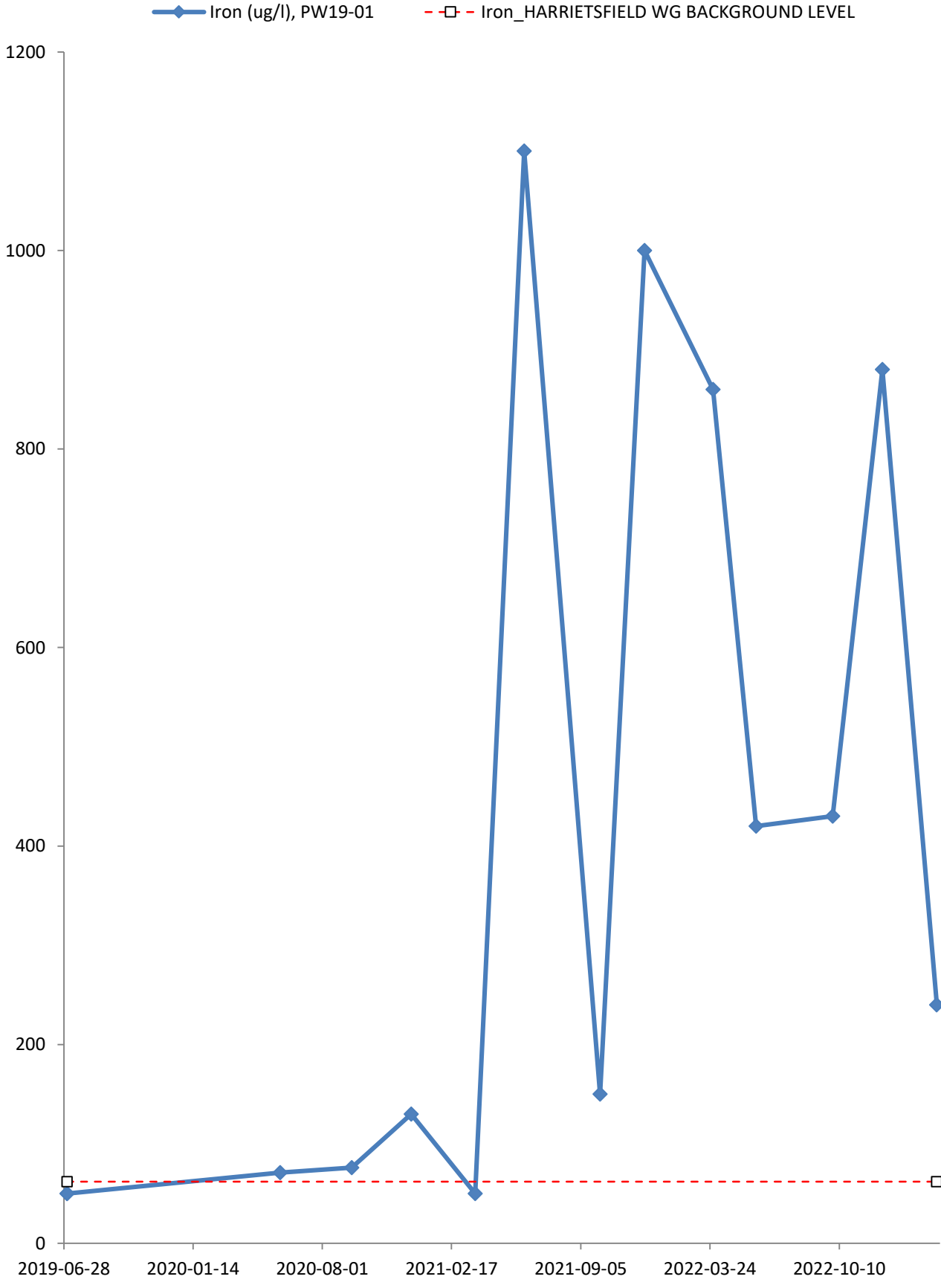
—◆— Electrical Conductivity (umhos/cm), PW19-01
- -□- - Electrical Conductivity_HARRIETSFIELD WG BACKGROUND LEVEL

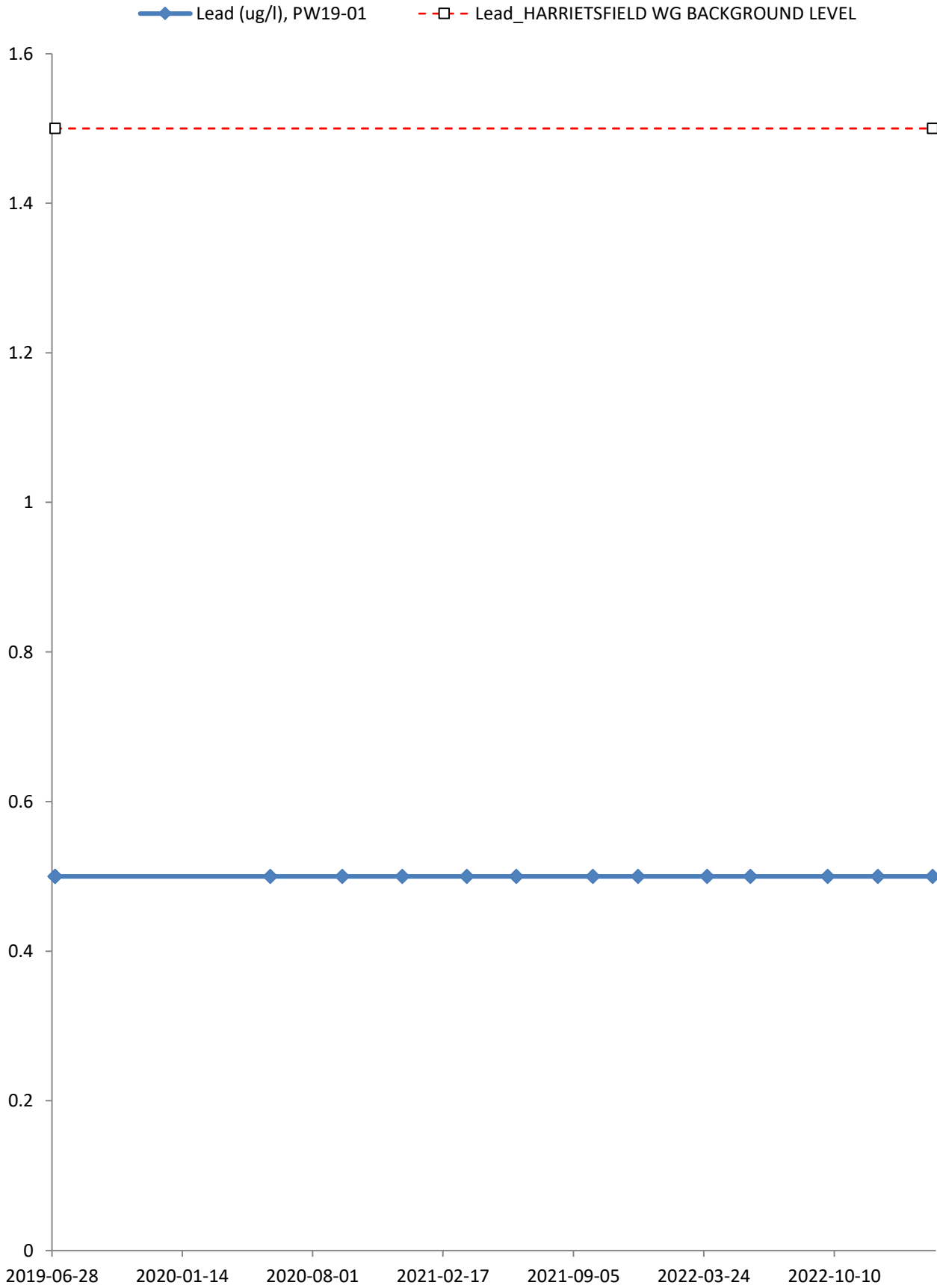


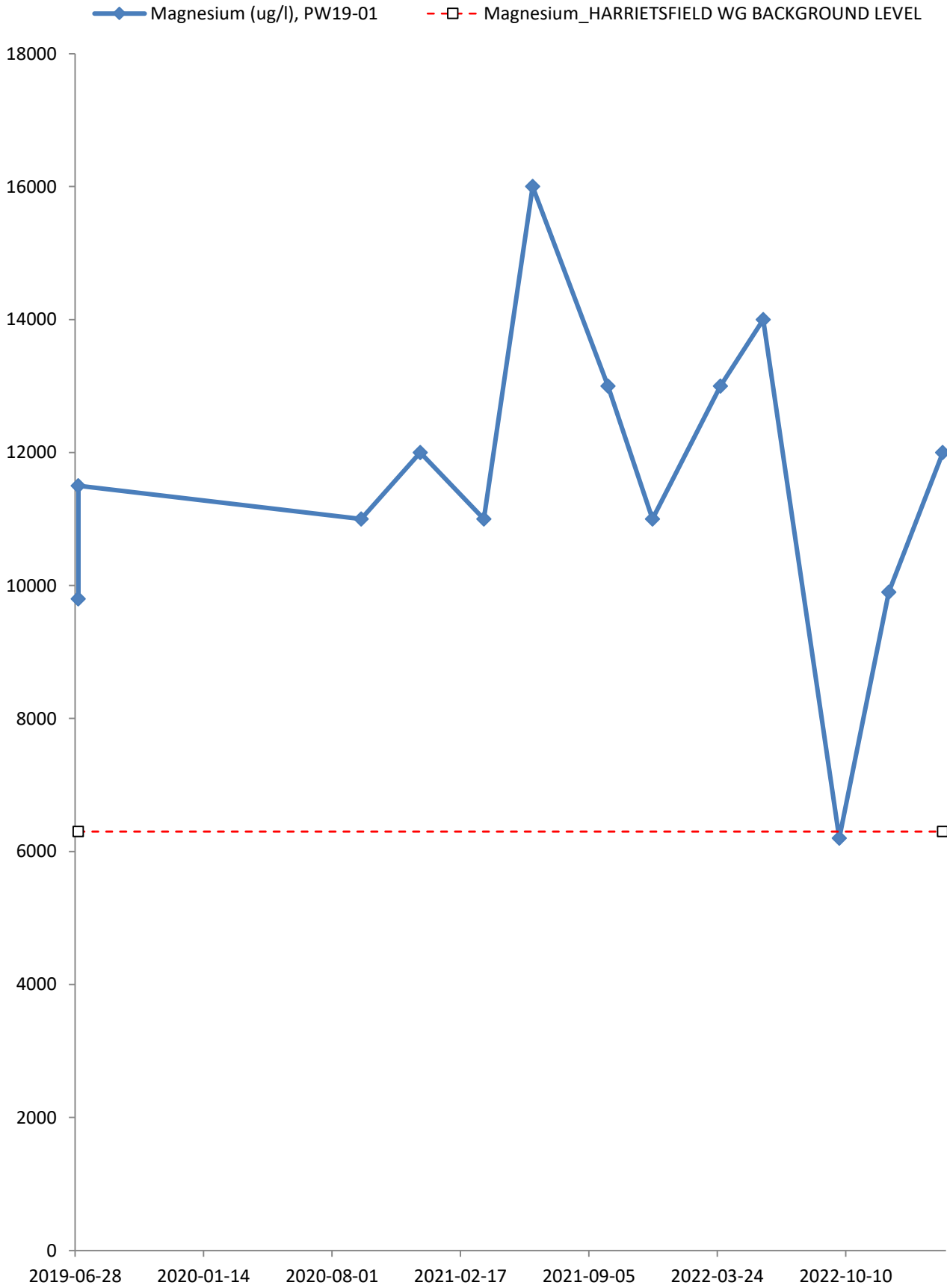


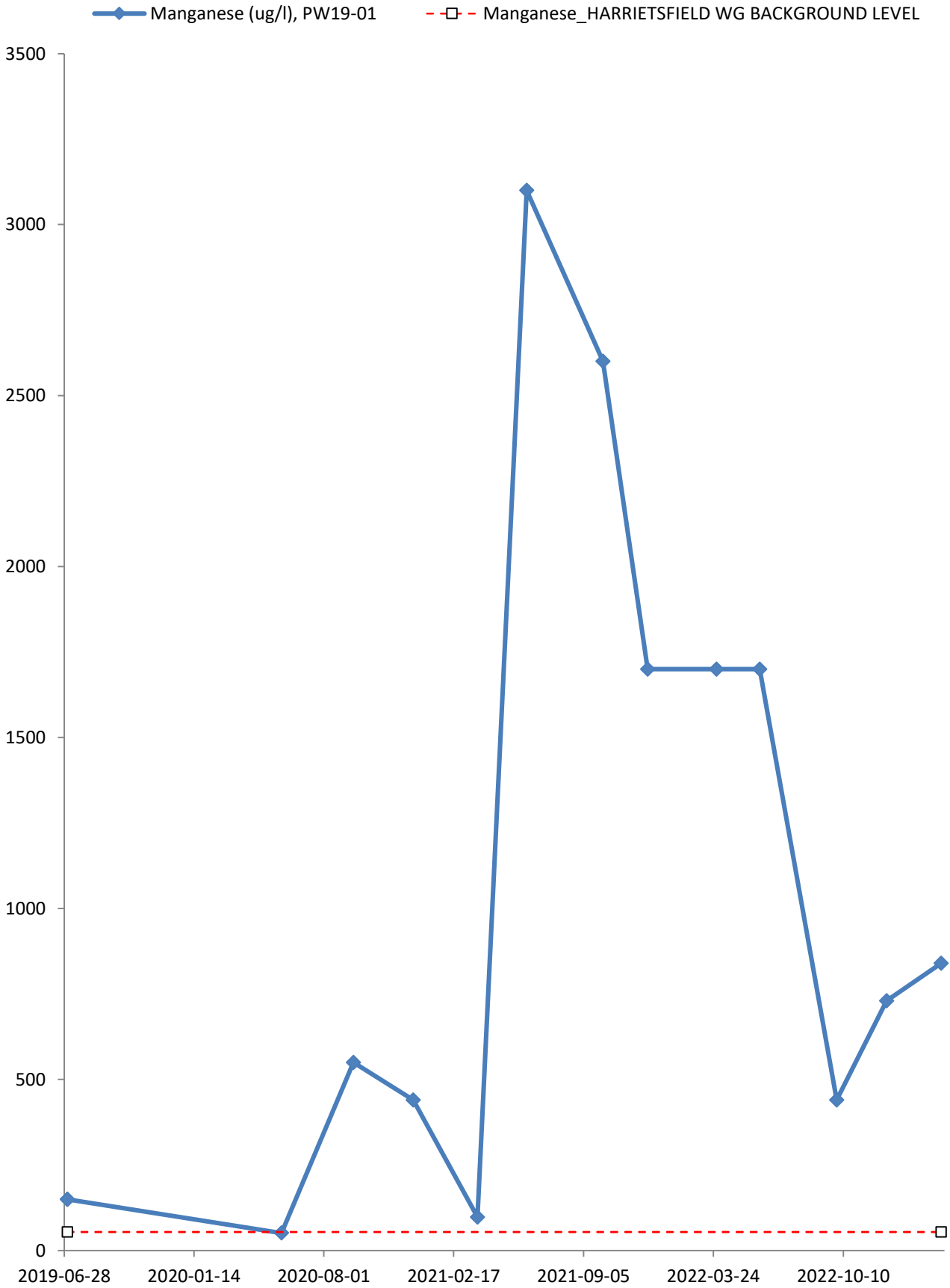
—◆— Hardness (as CaCO3) (mg/l), PW19-01
- -□- - Hardness (as CaCO3)_HARRIETSFIELD WG BACKGROUND LEVEL



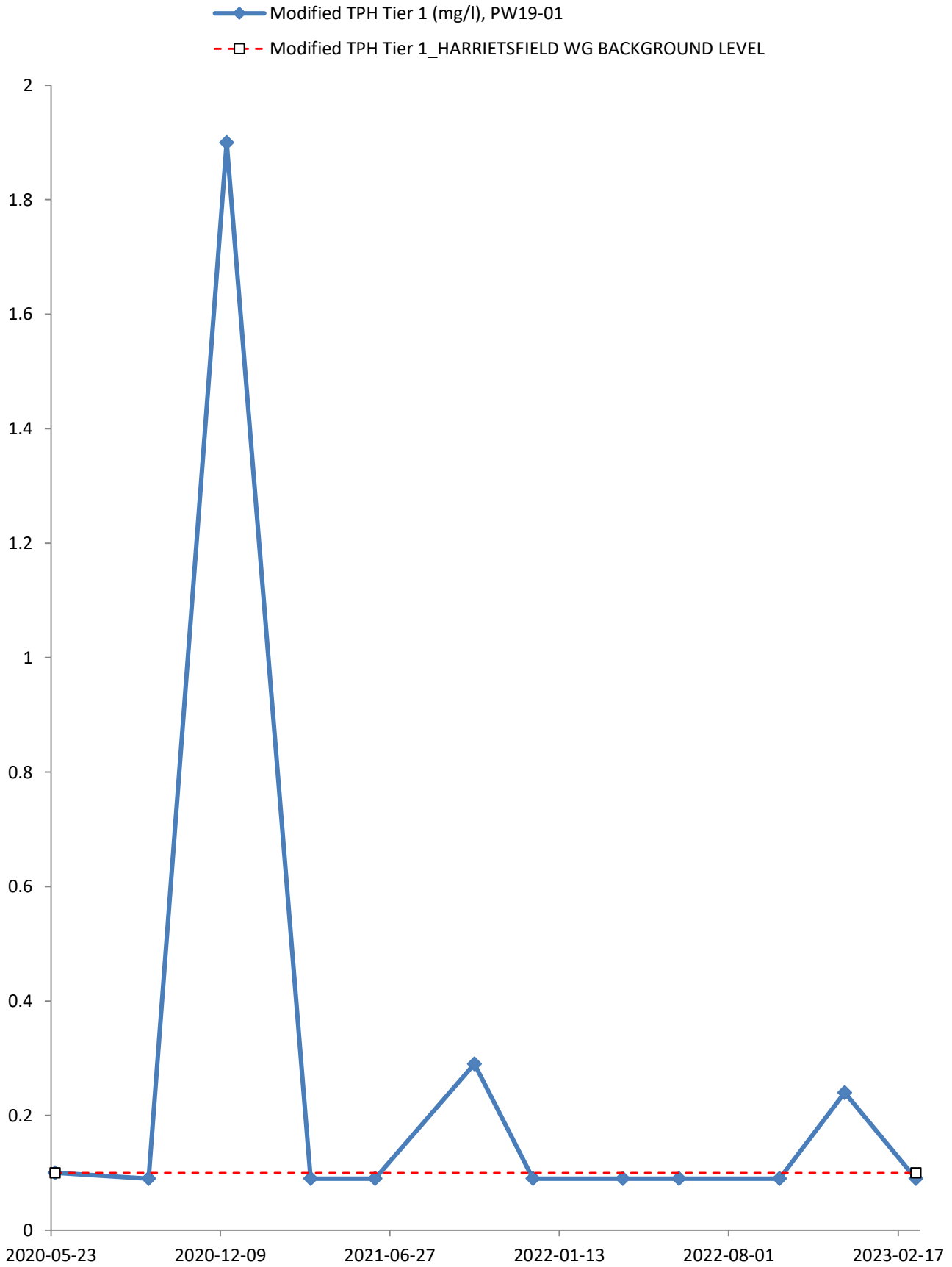


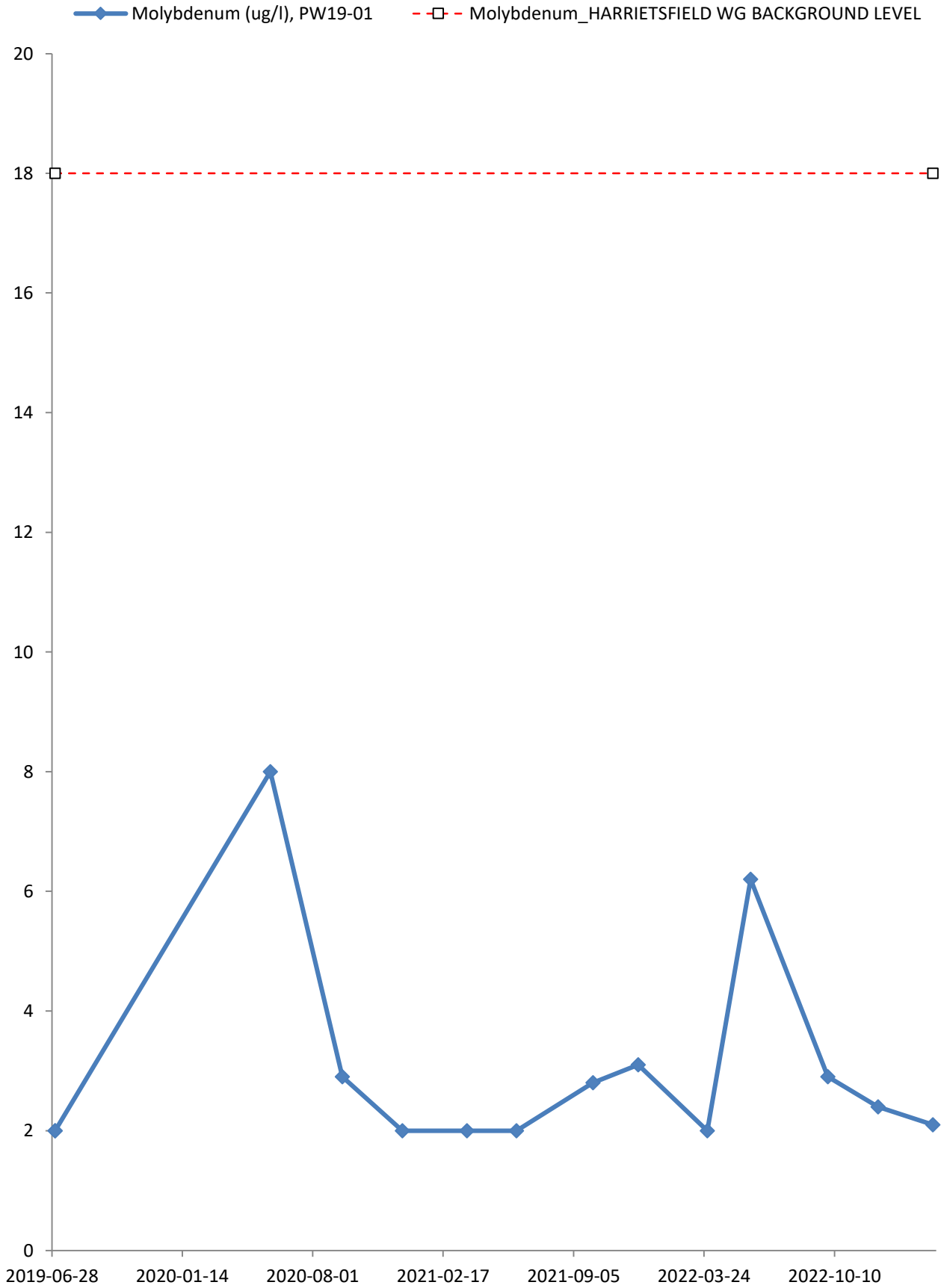


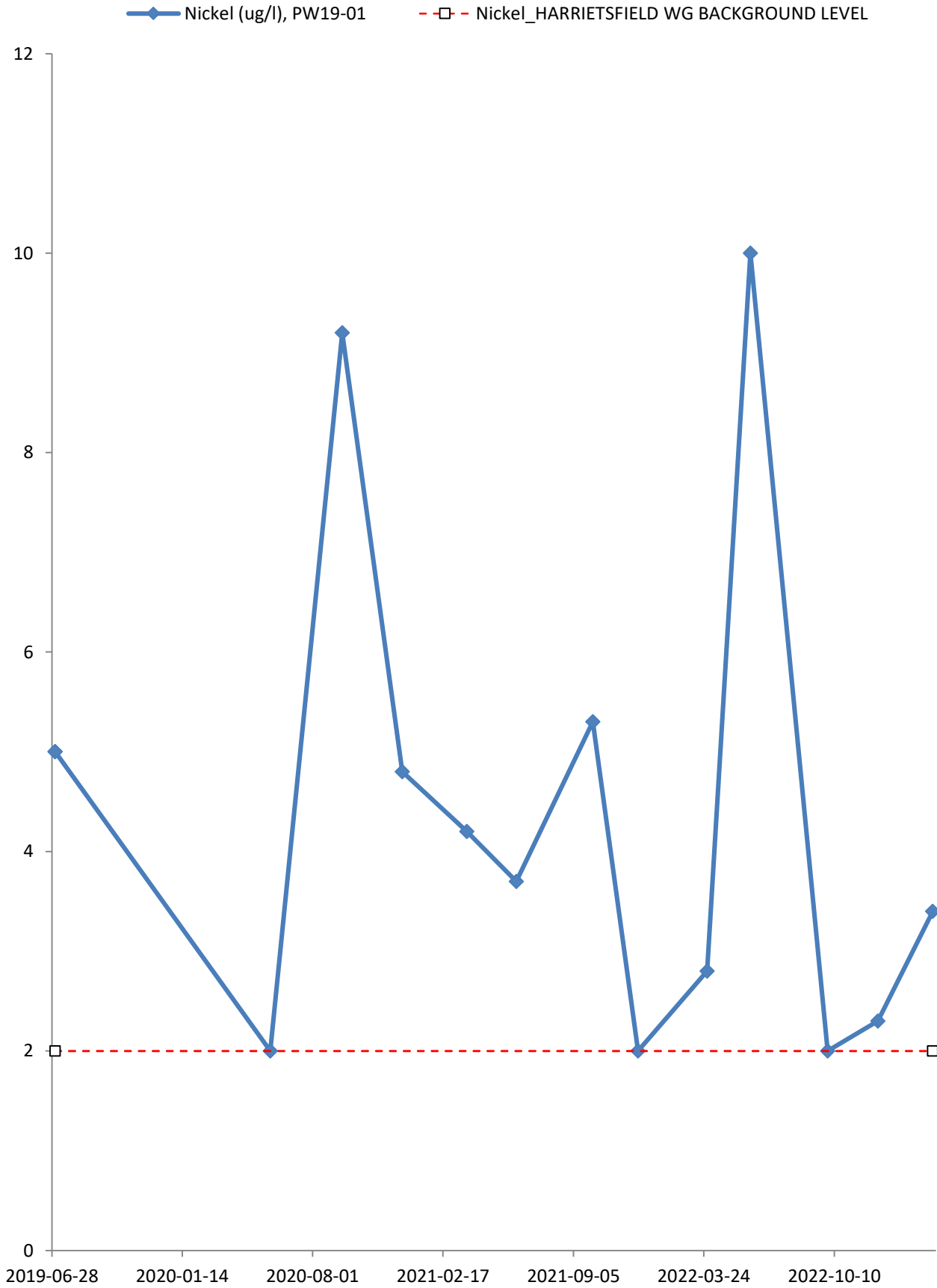


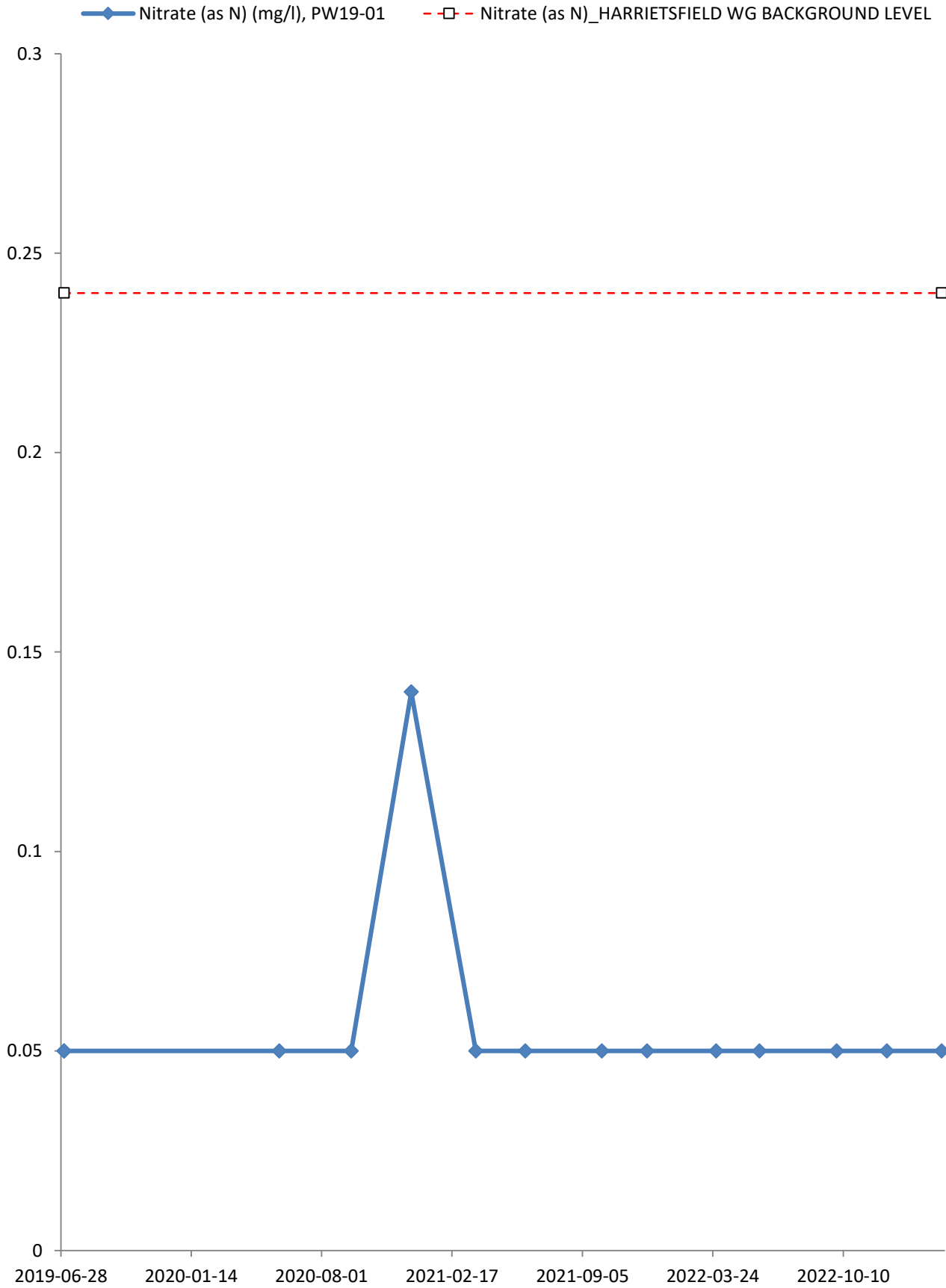


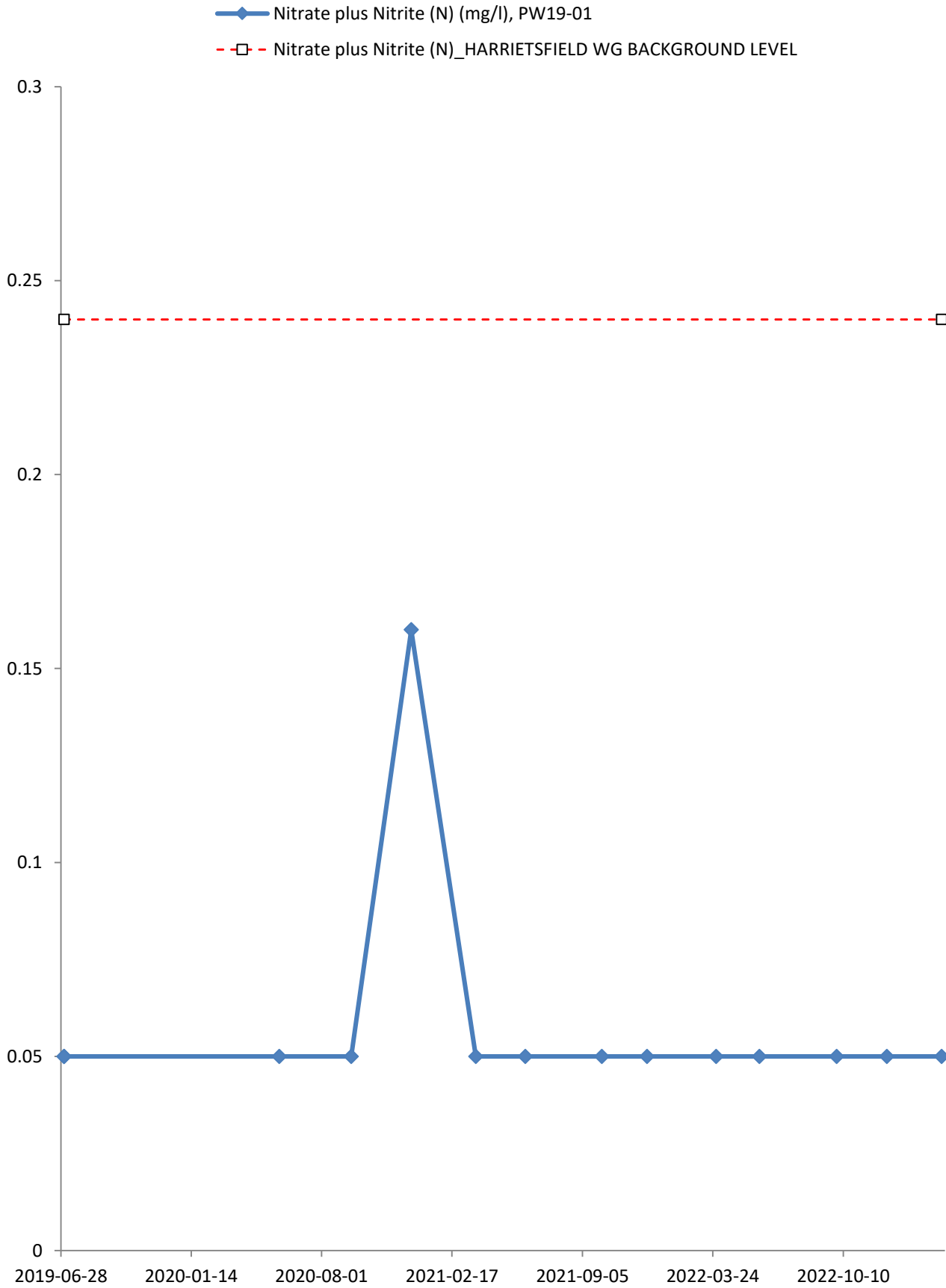


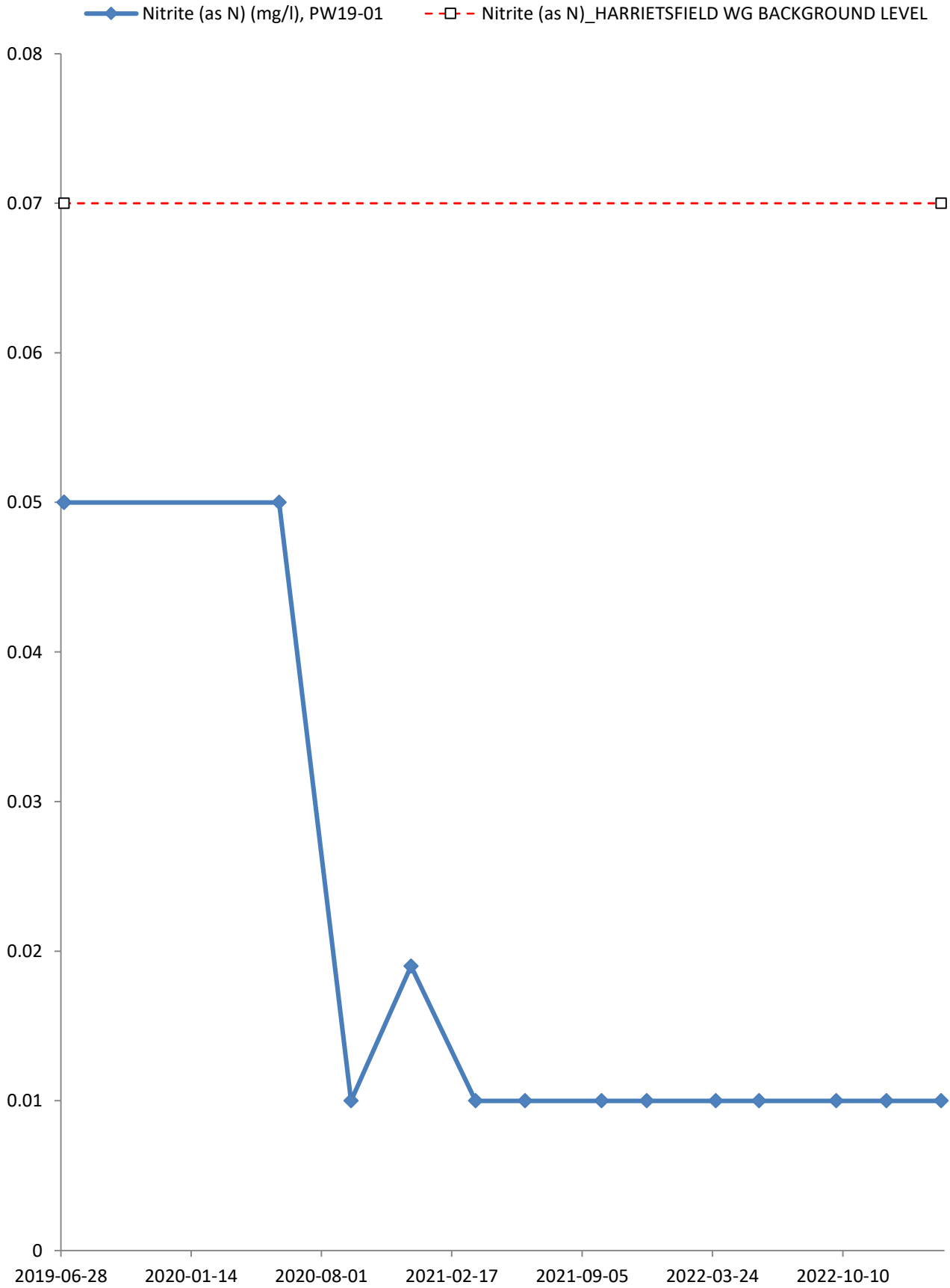




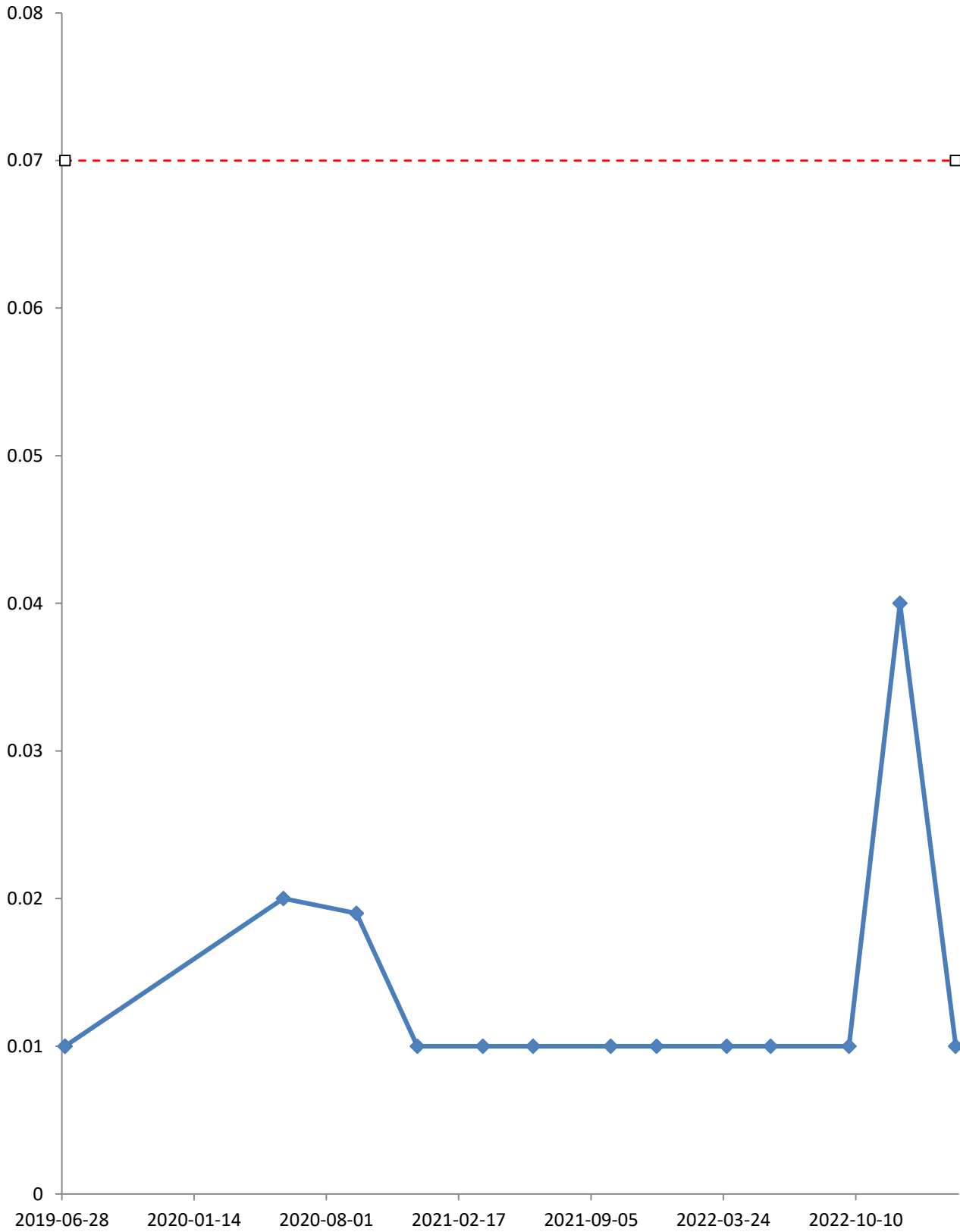


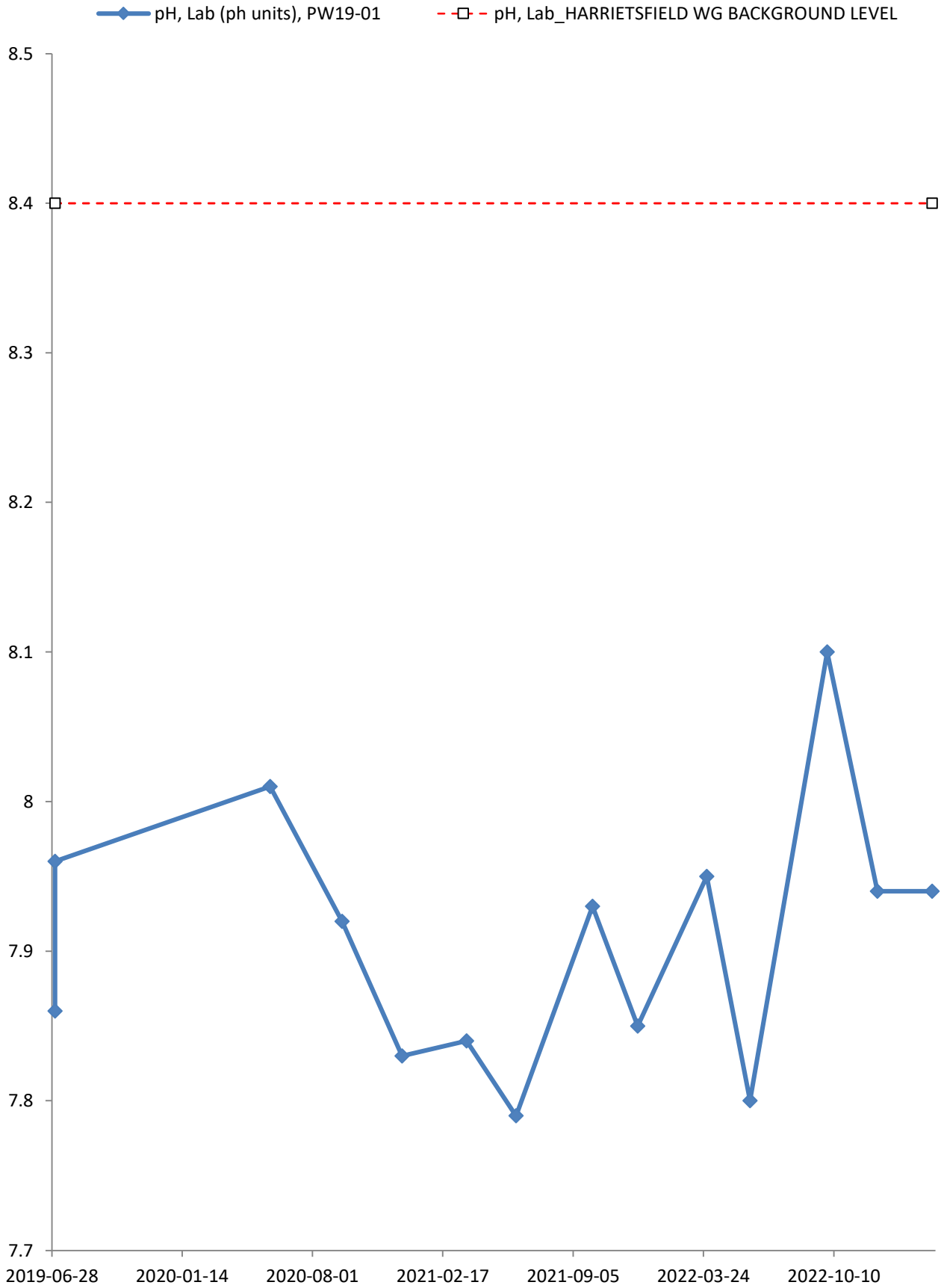


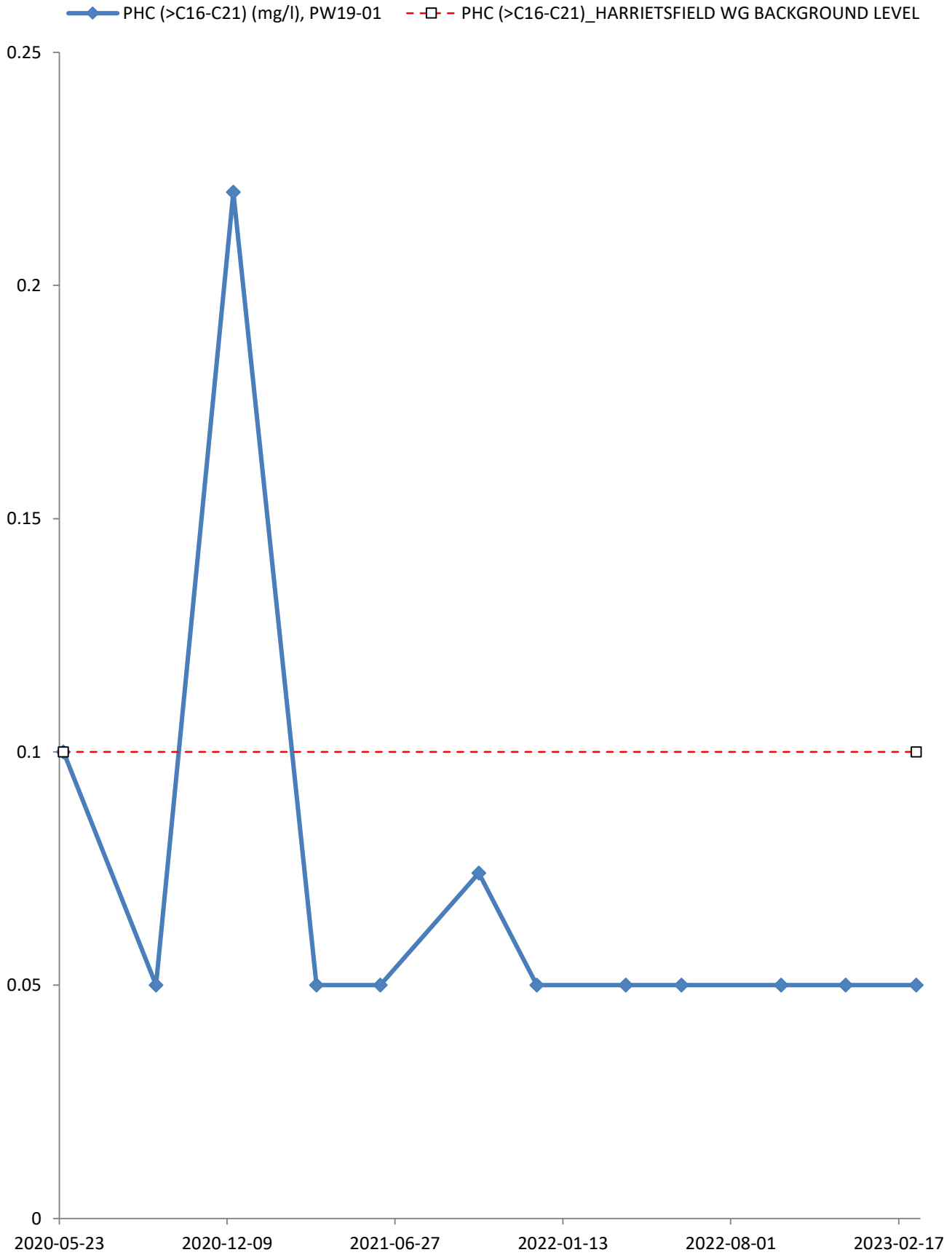


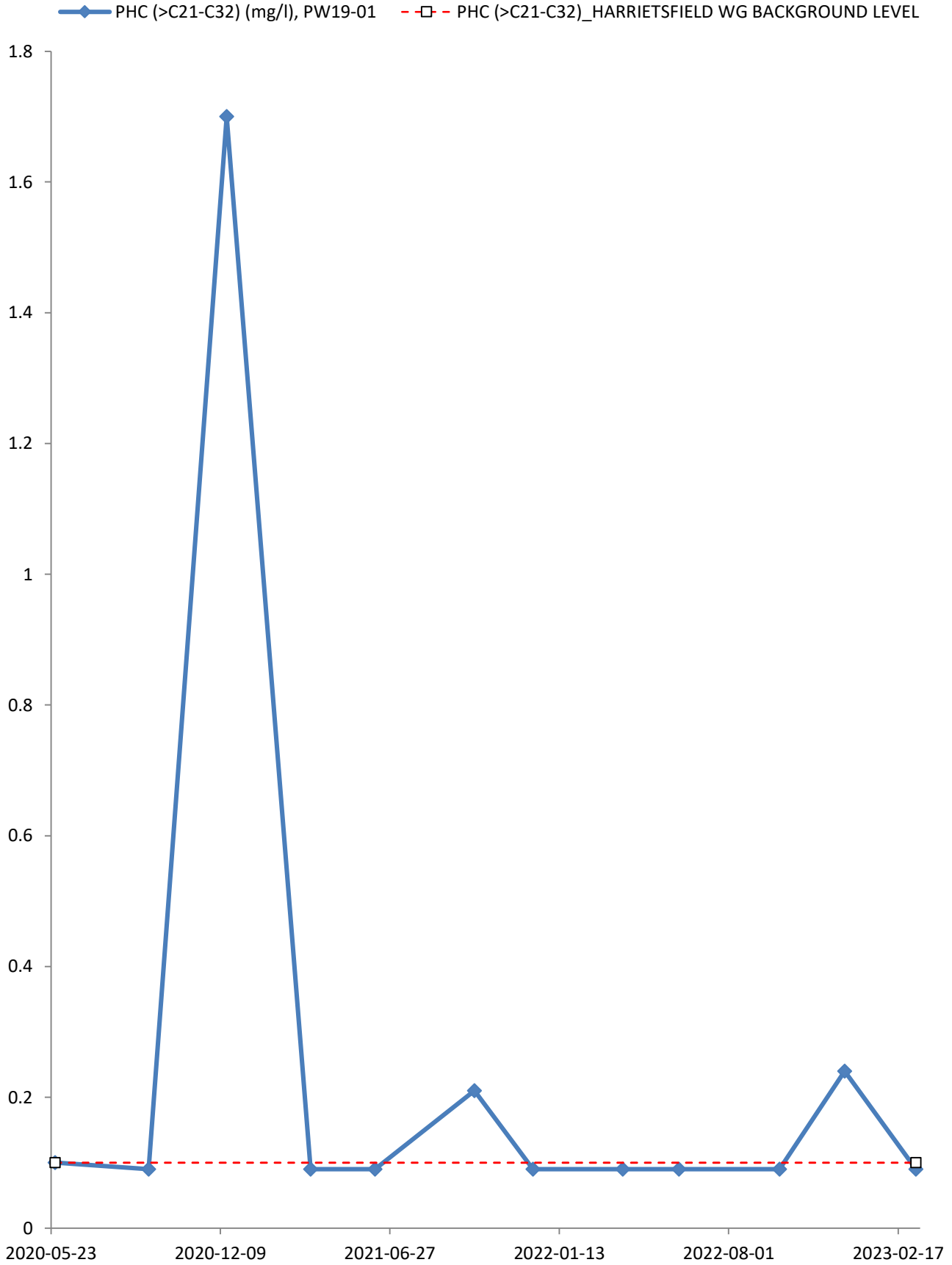


- ◆— Orthophosphate(as P) (mg/l), PW19-01
- -□- - Orthophosphate(as P)_HARRIETSFIELD WG BACKGROUND LEVEL

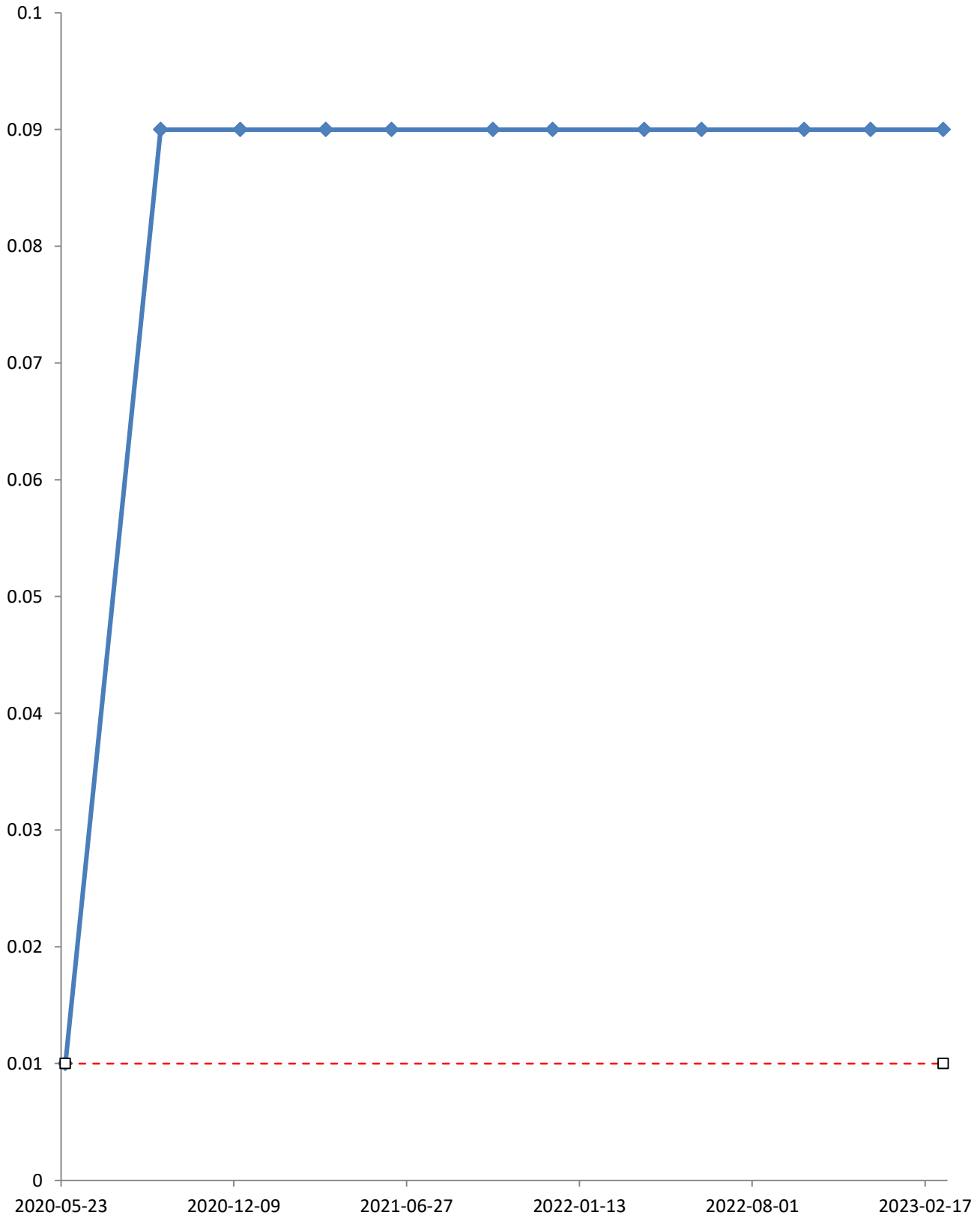


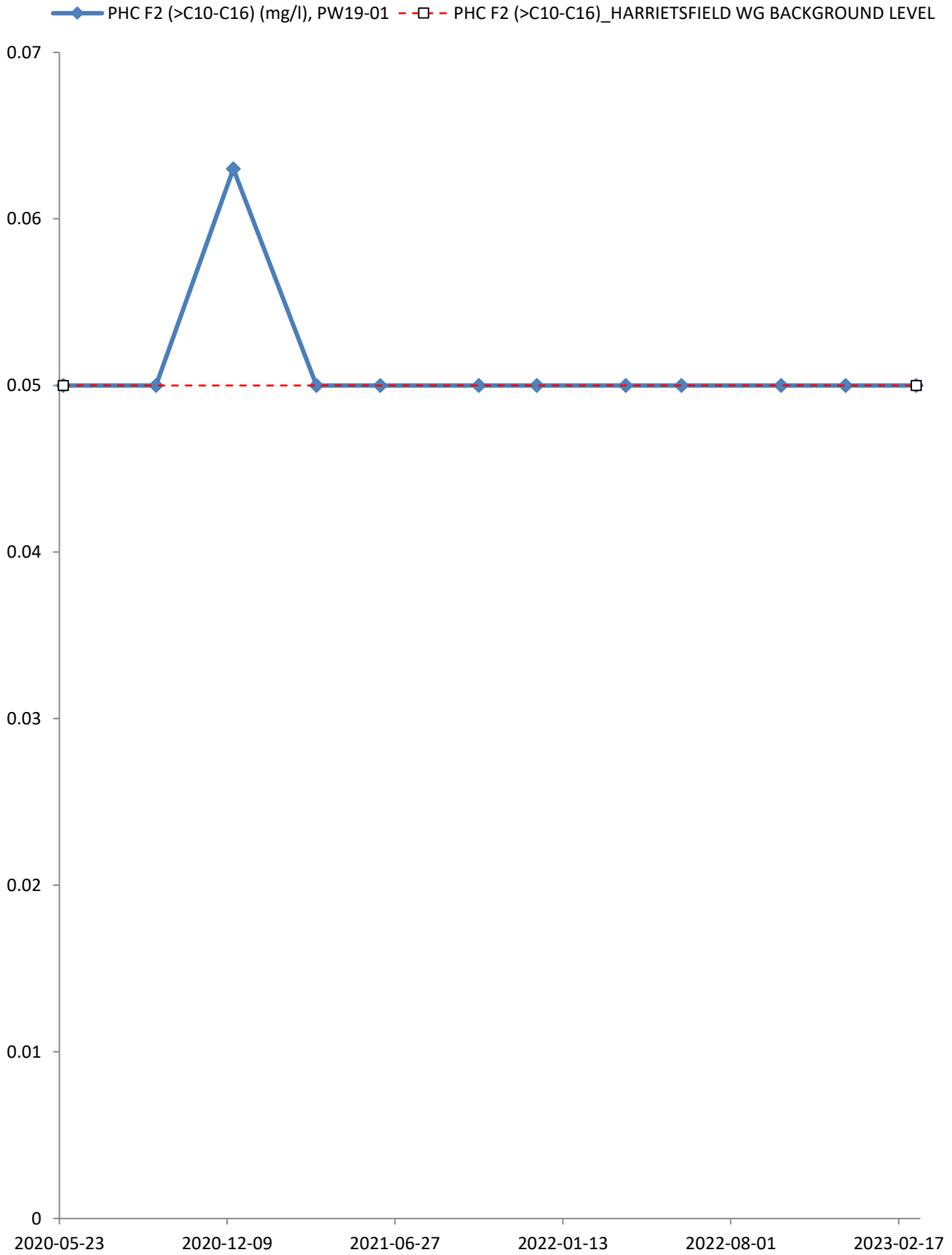


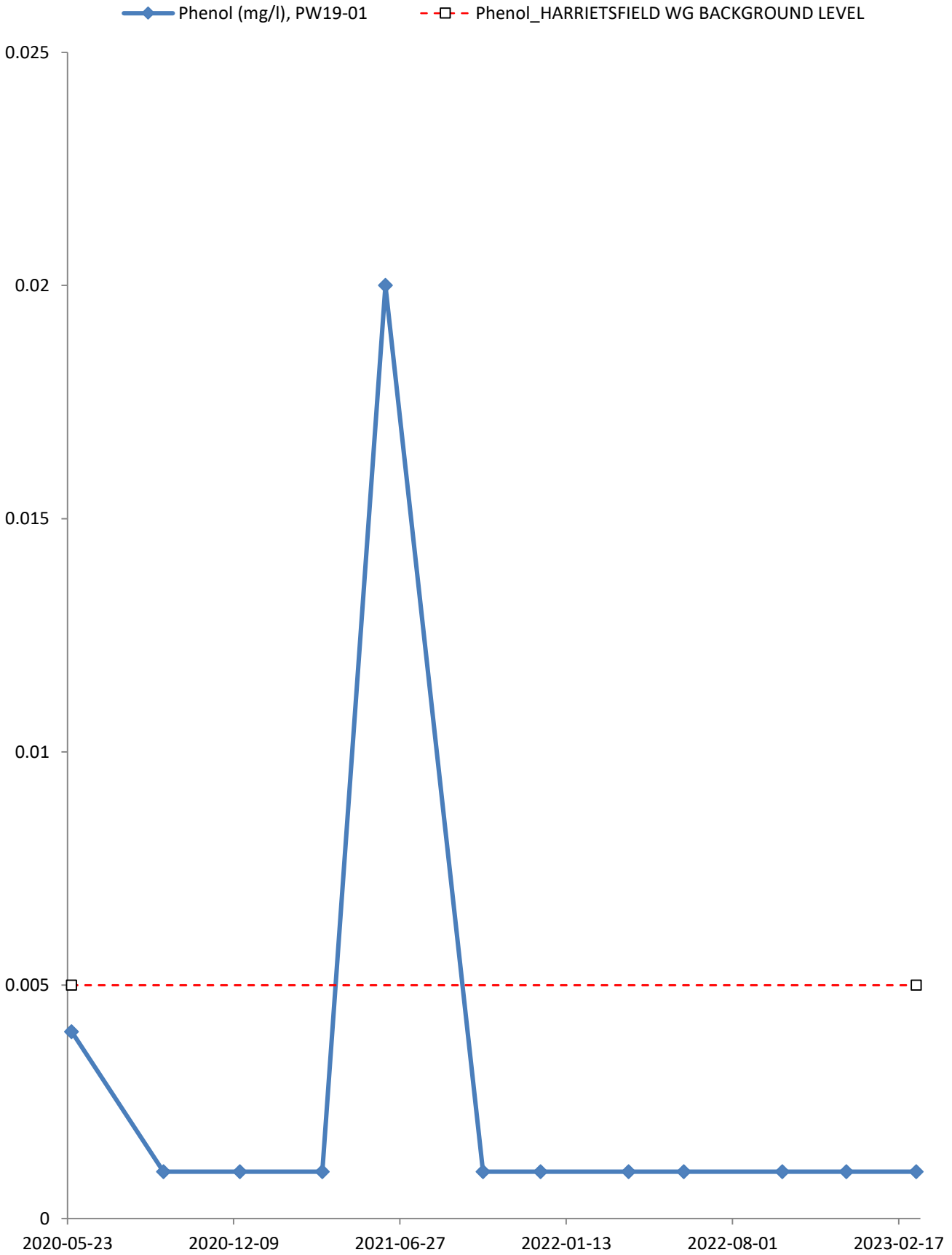


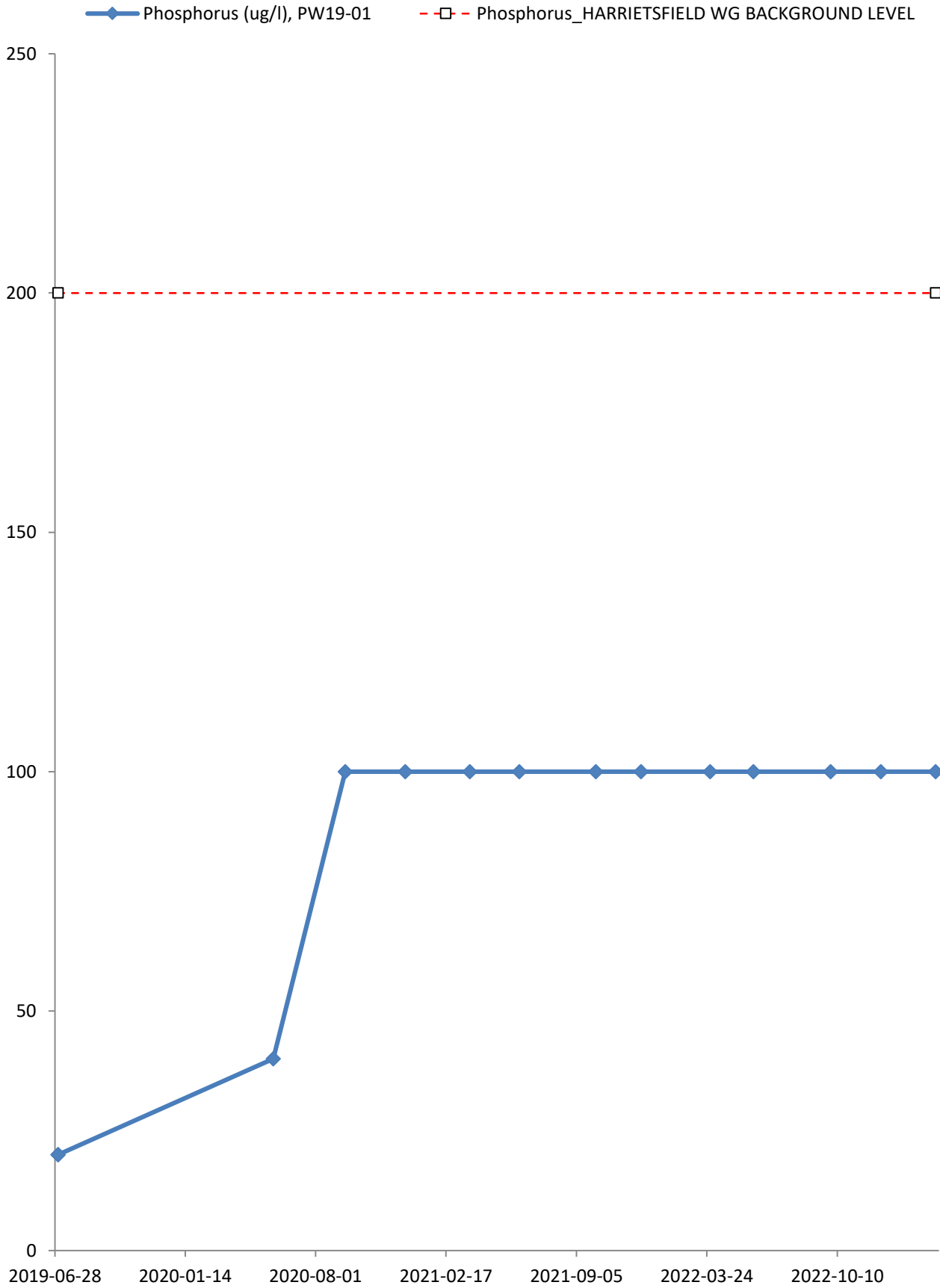


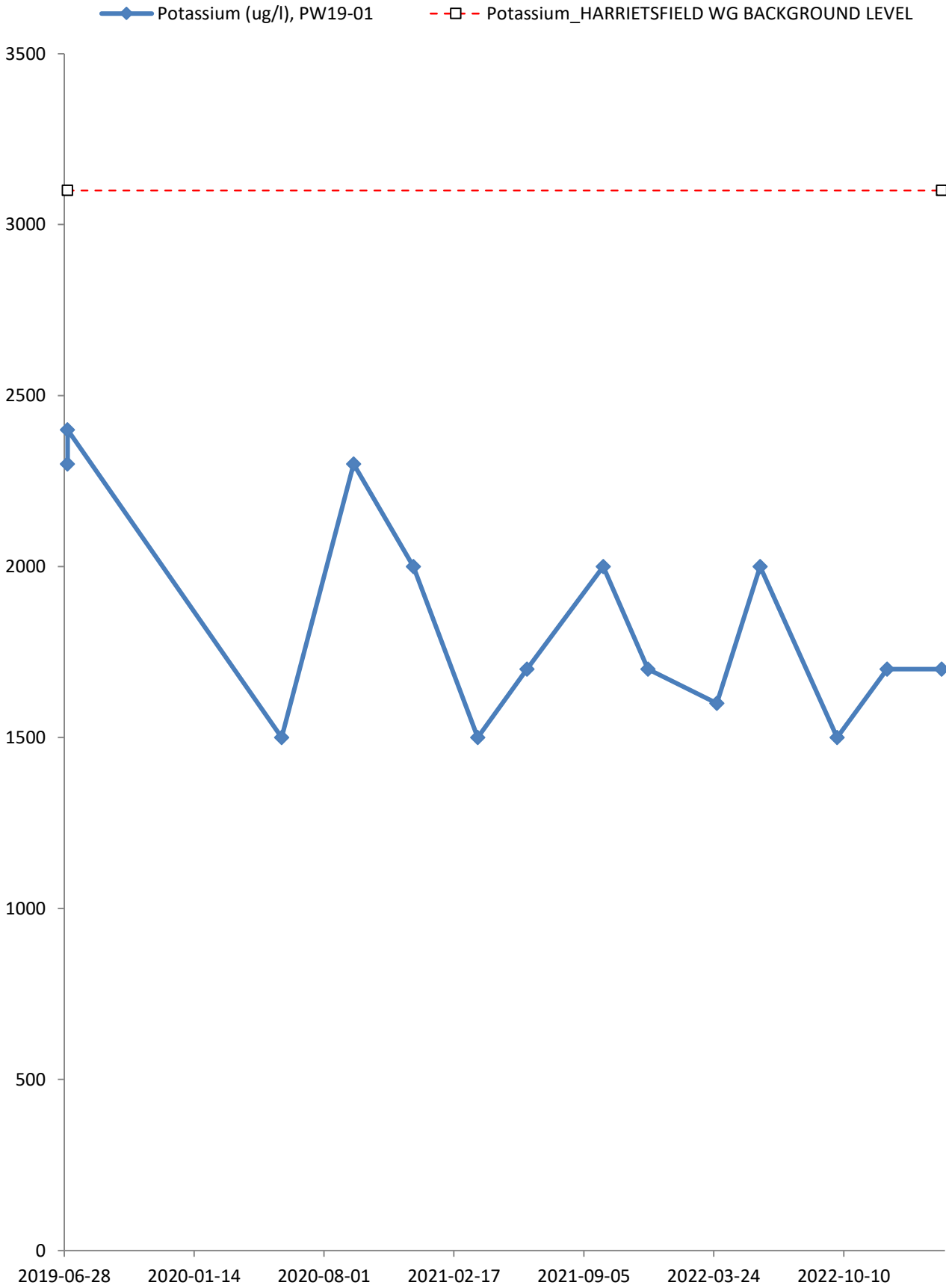
—◆— PHC F1 (C6-C10) min BTEX (mg/l), PW19-01
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WG BACKGROUND LEVEL



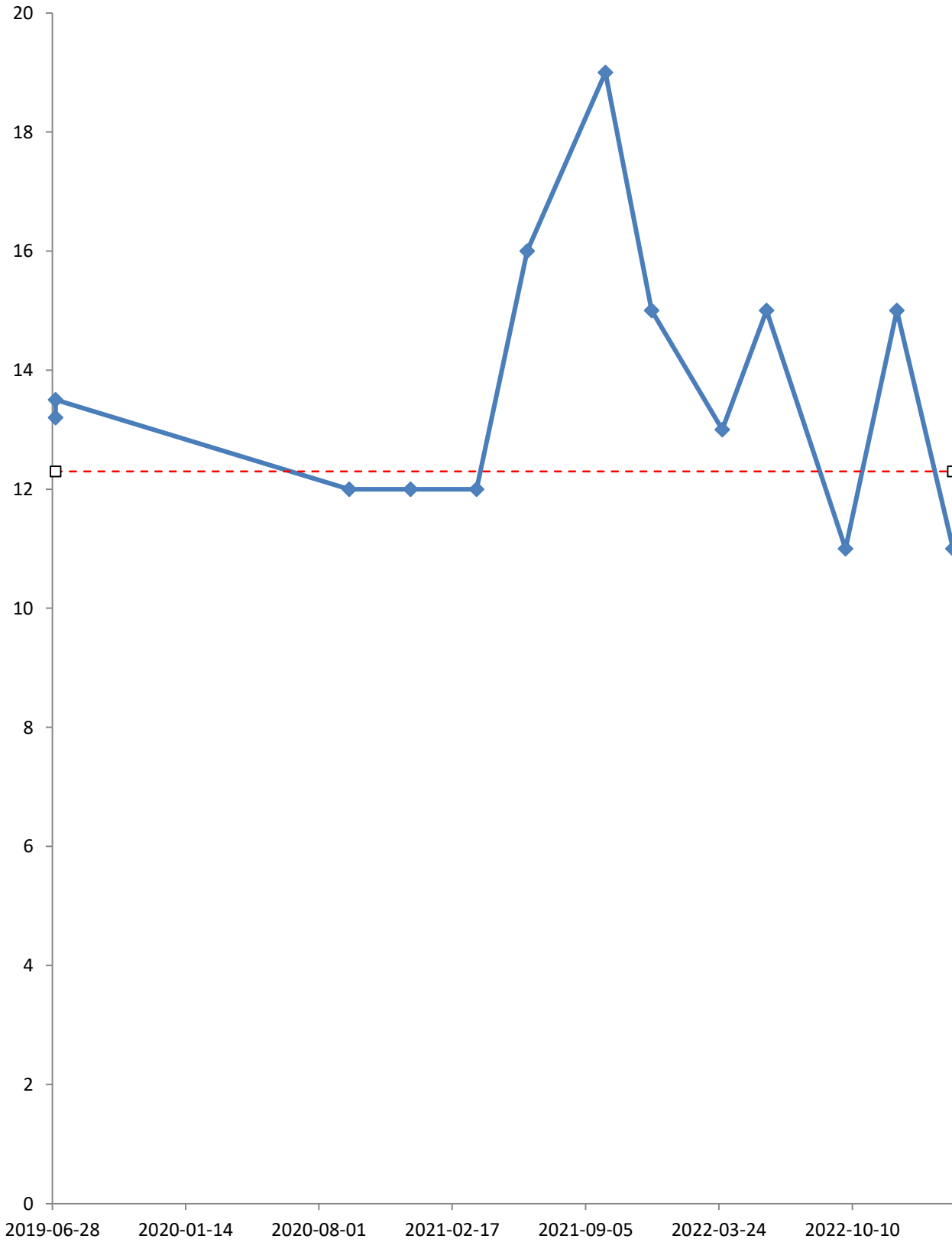


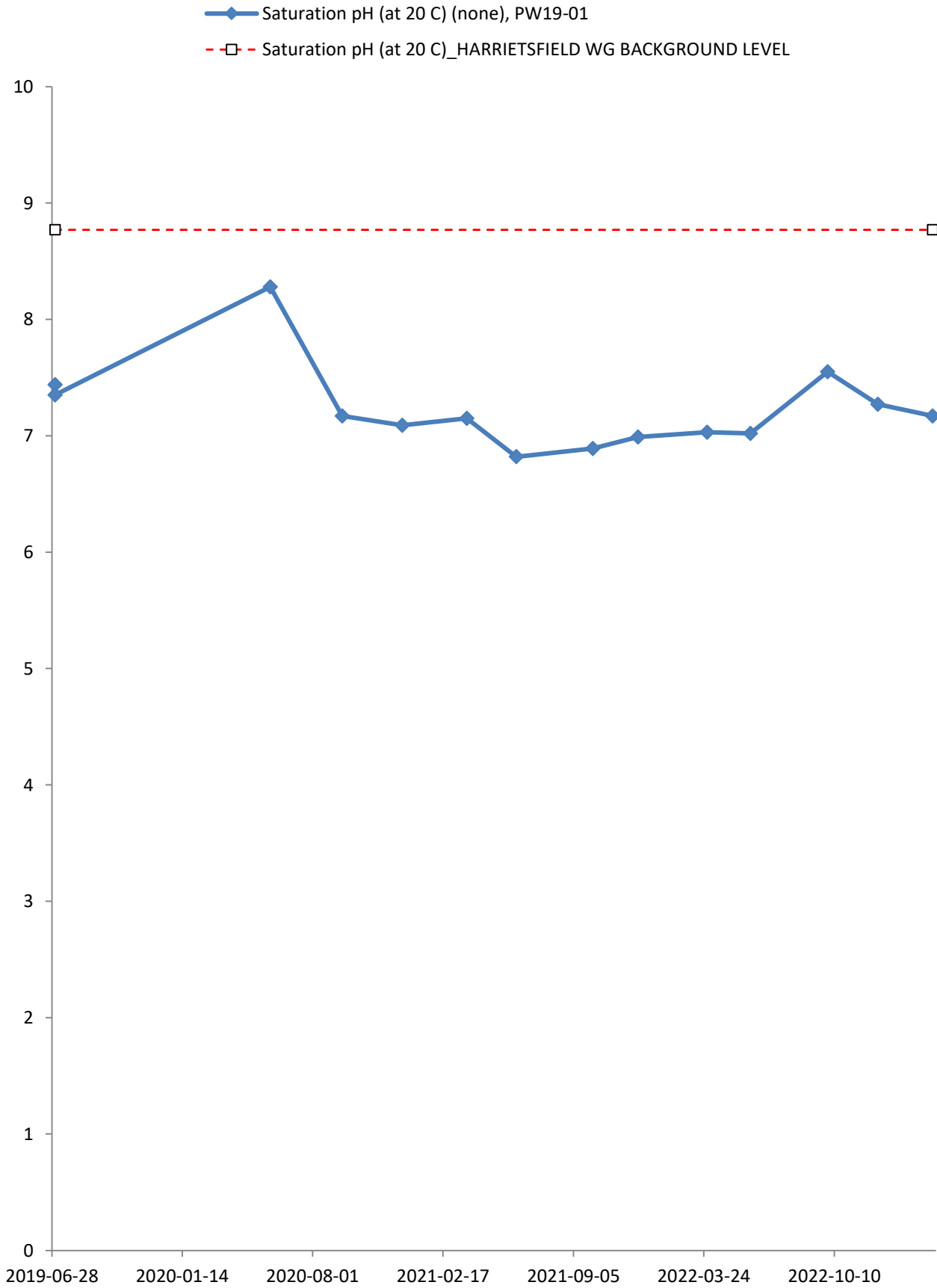


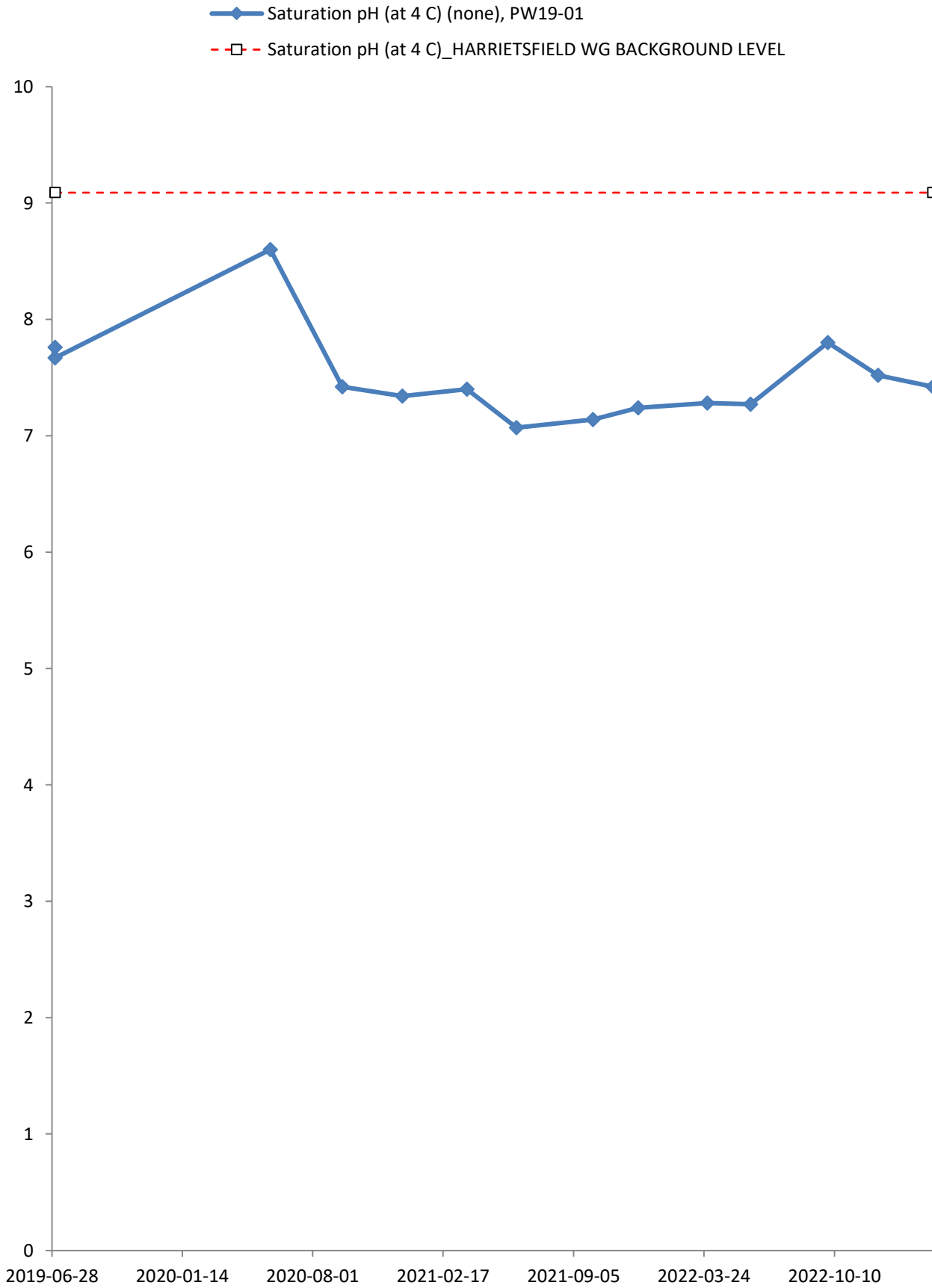


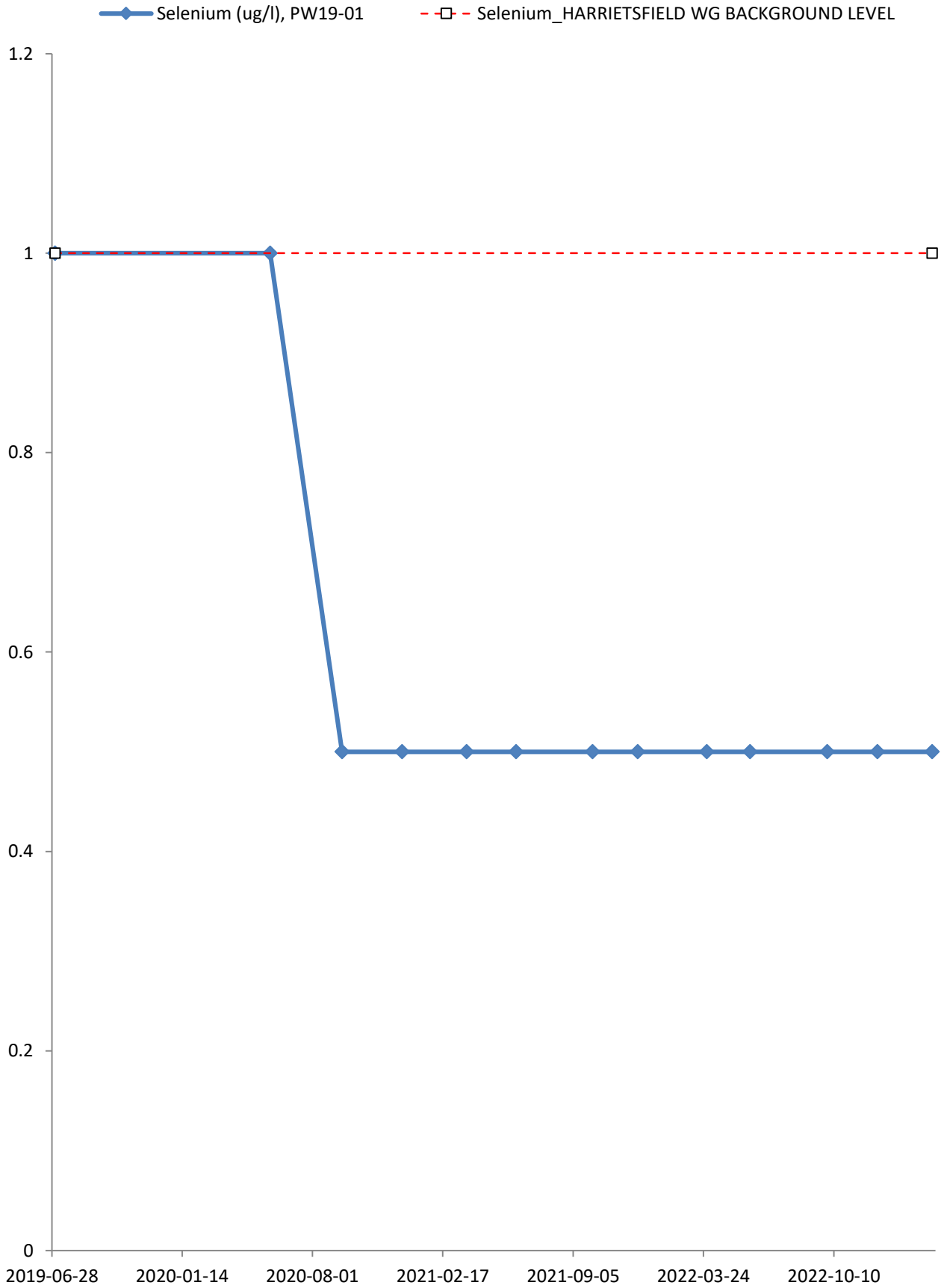


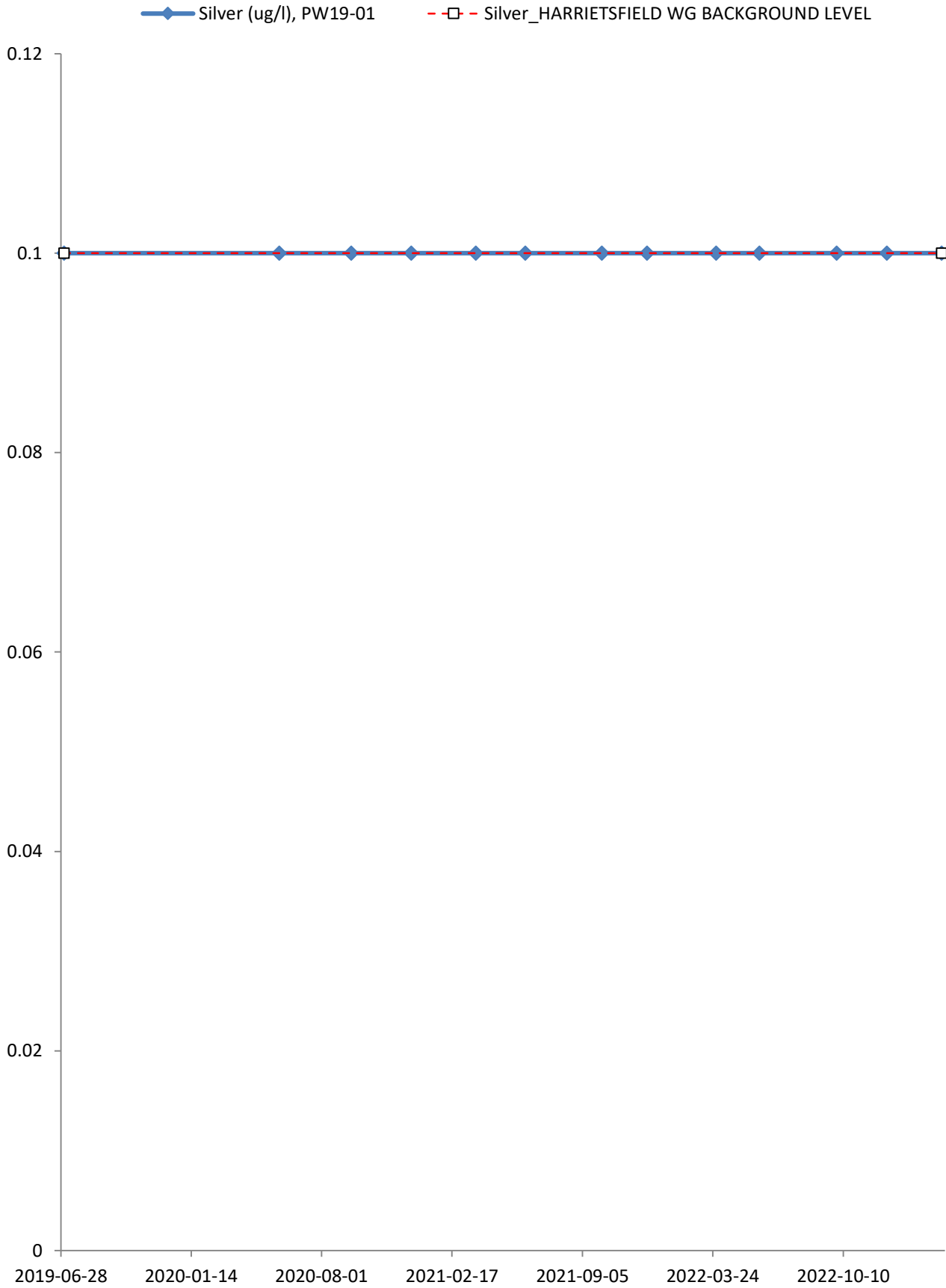
◆ Reactive Silica (SiO₂) (mg/l), PW19-01
-□- Reactive Silica (SiO₂)_HARRIETSFIELD WG BACKGROUND LEVEL

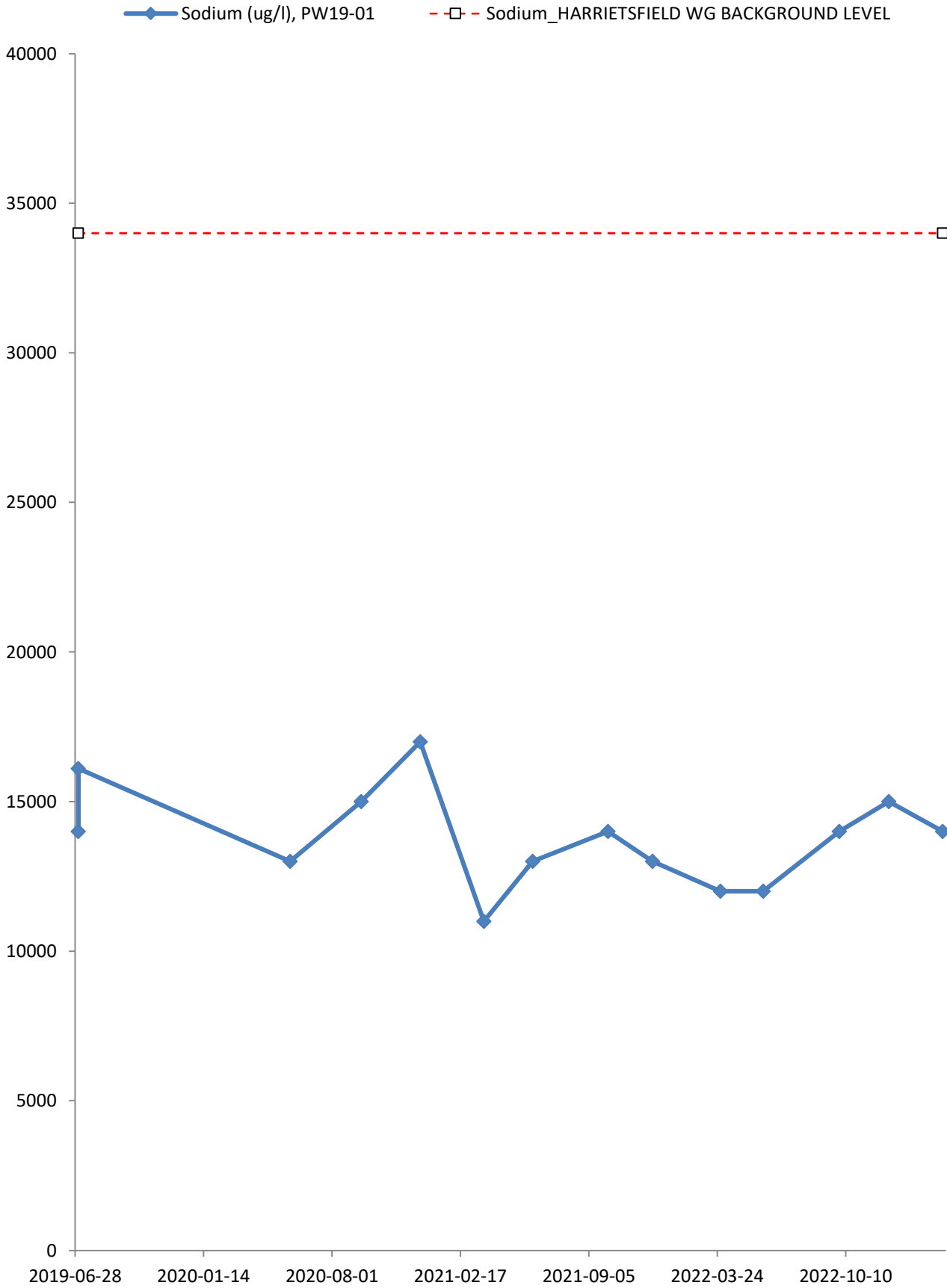


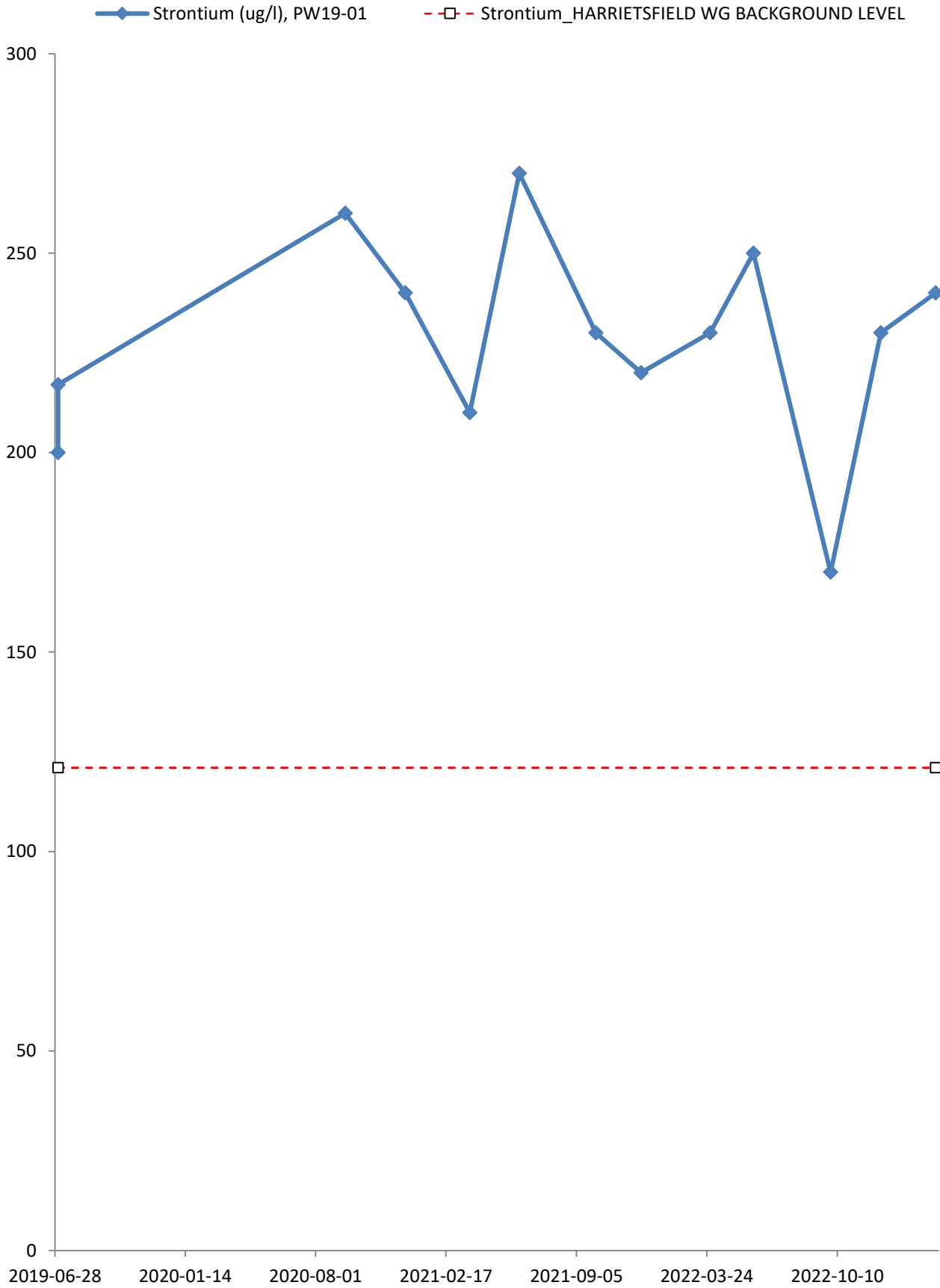


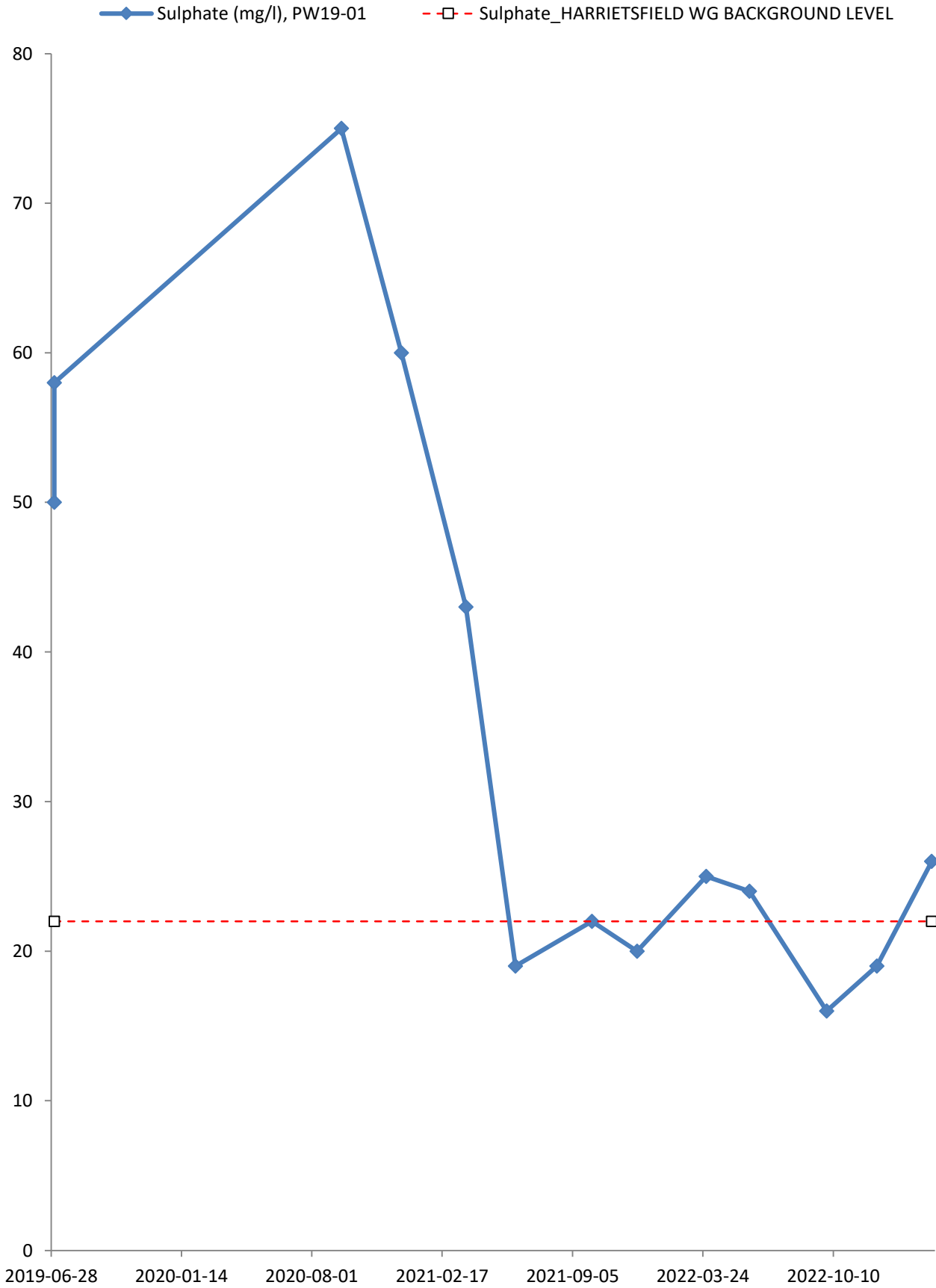


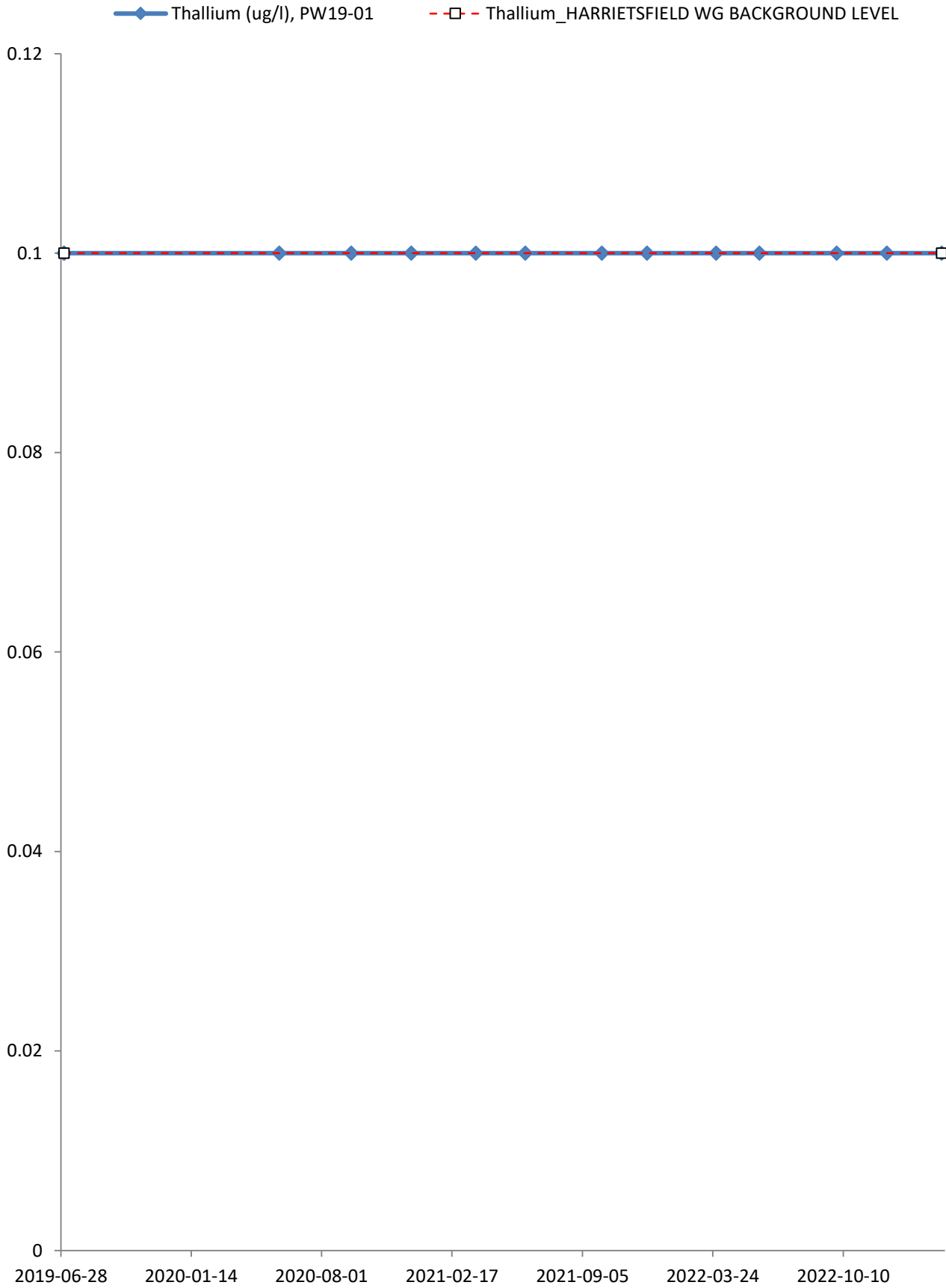


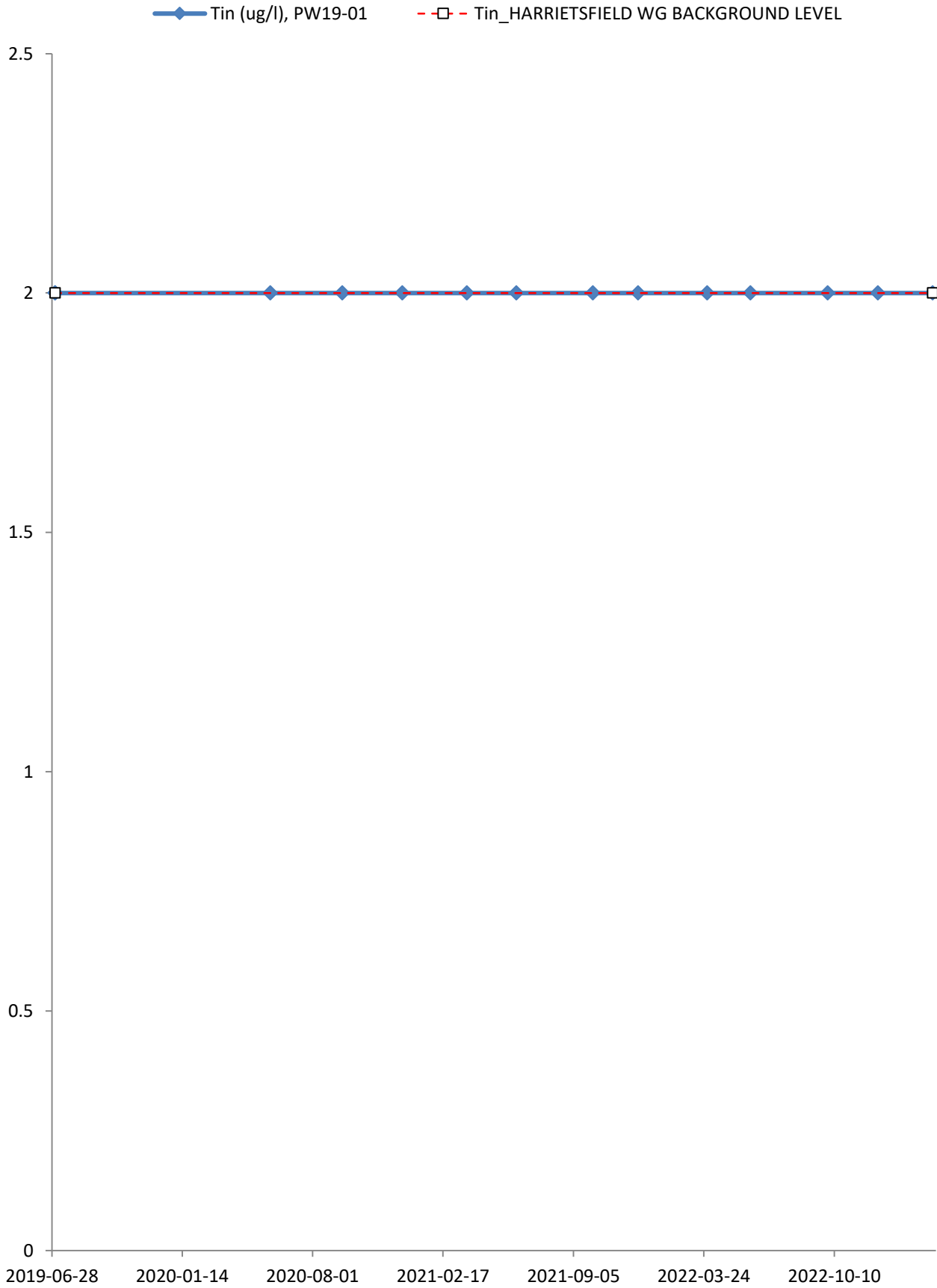


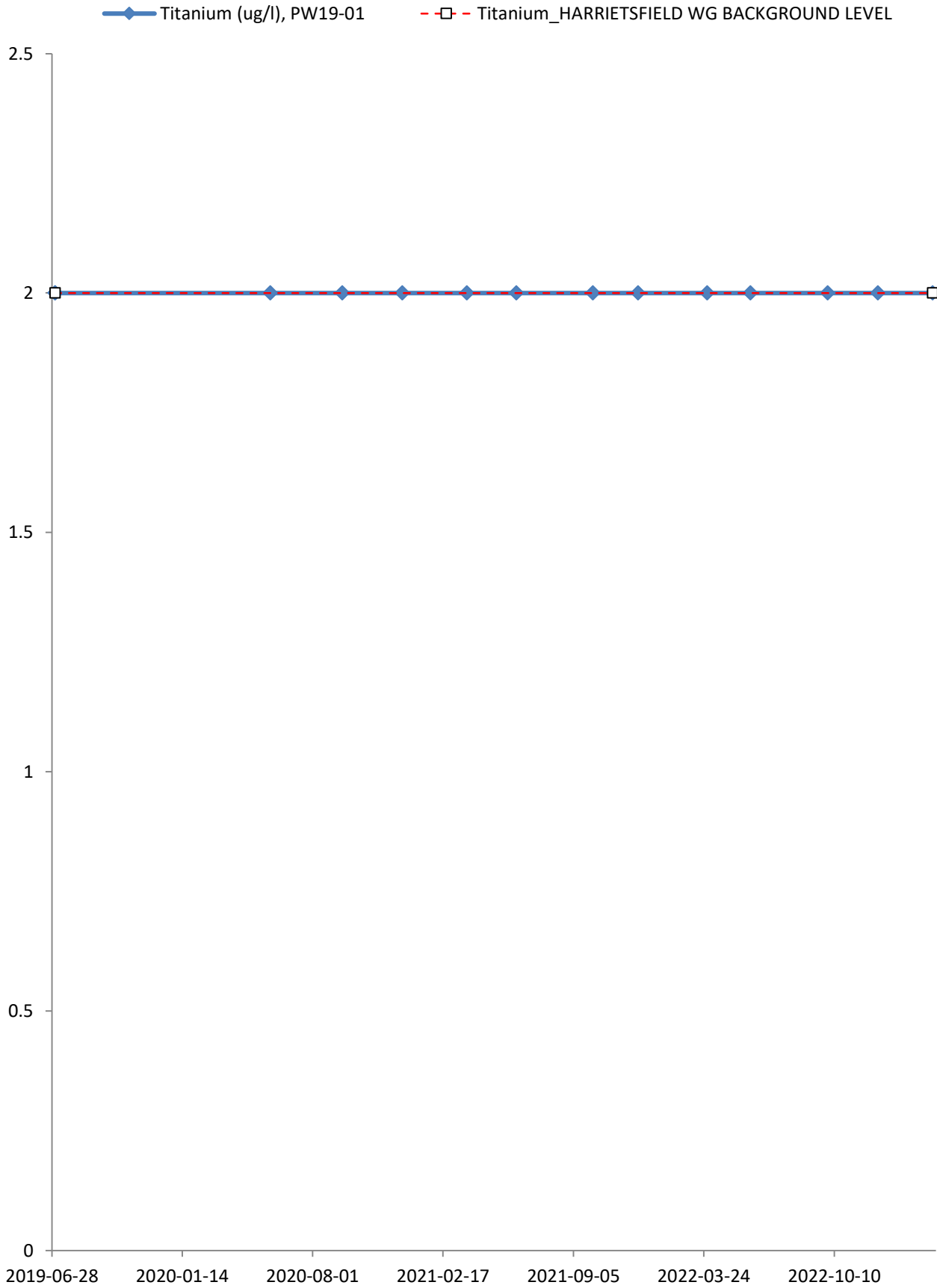


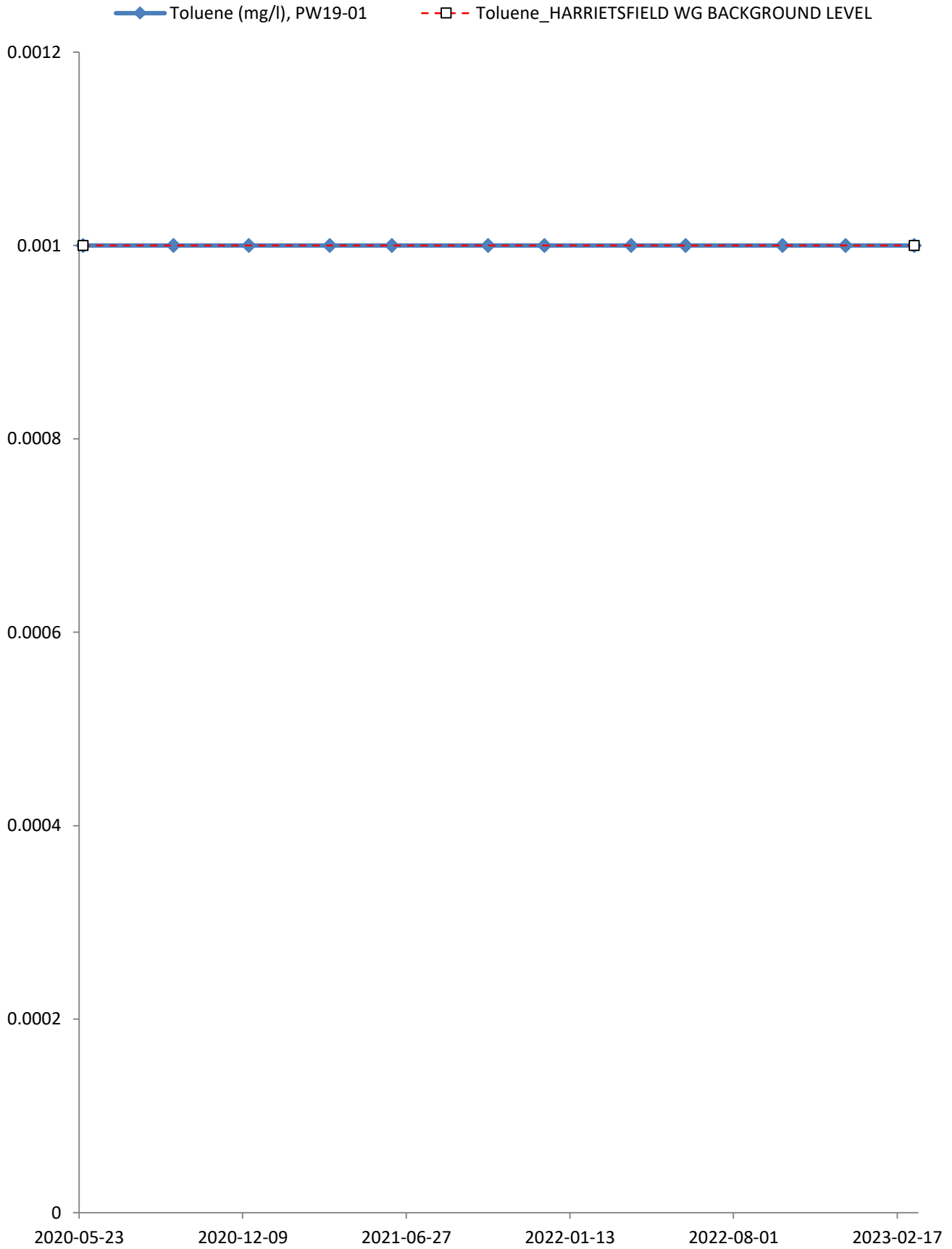




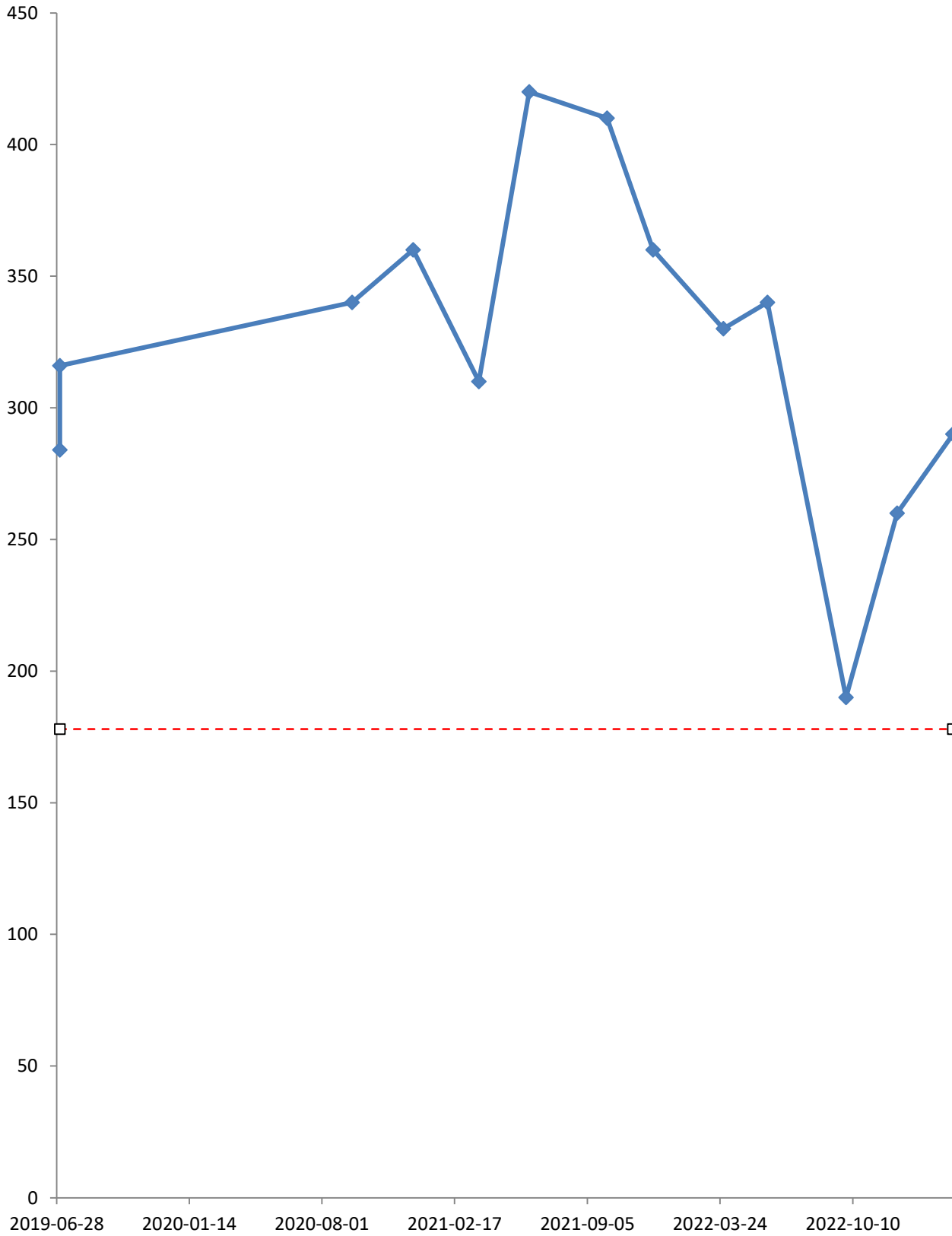




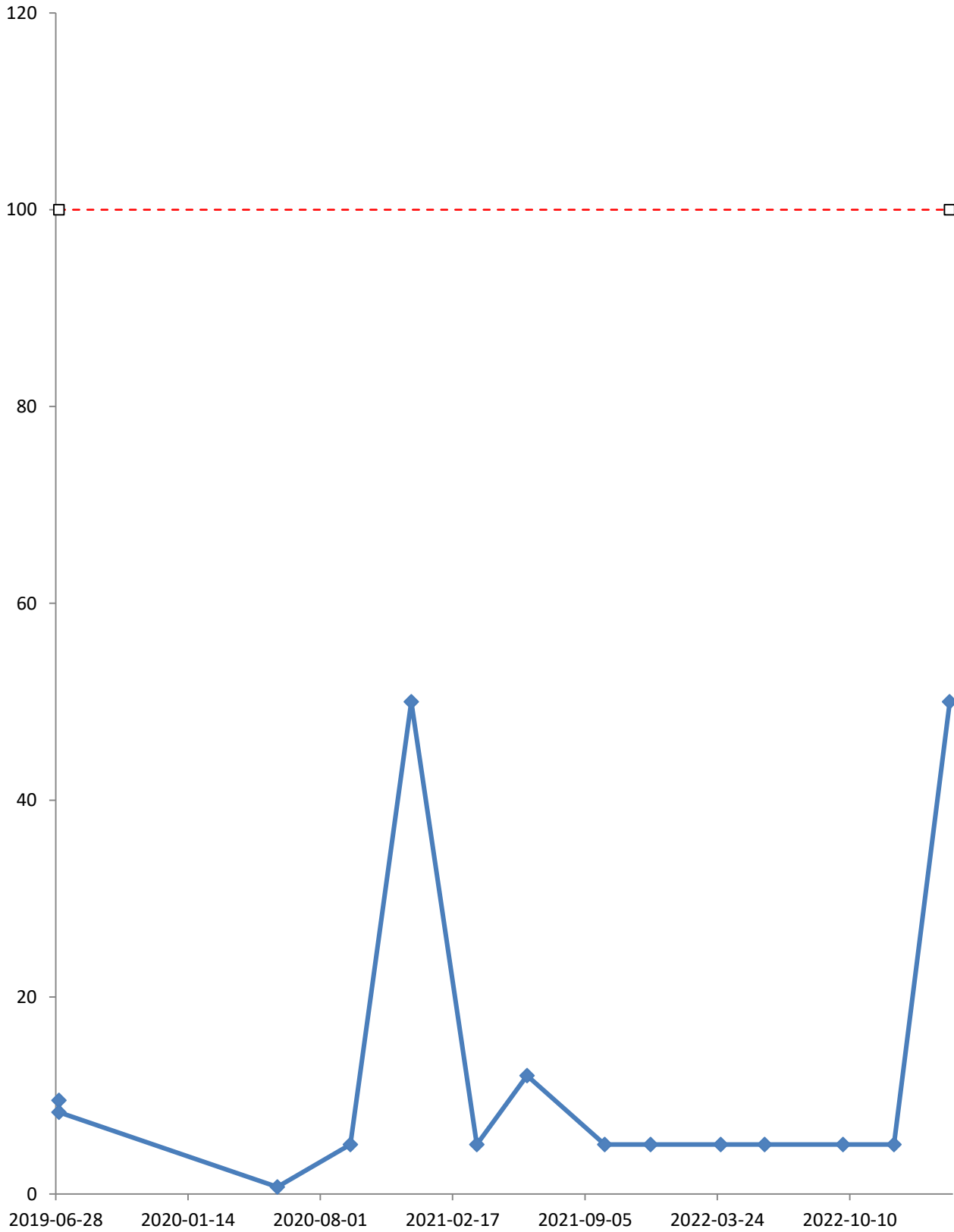


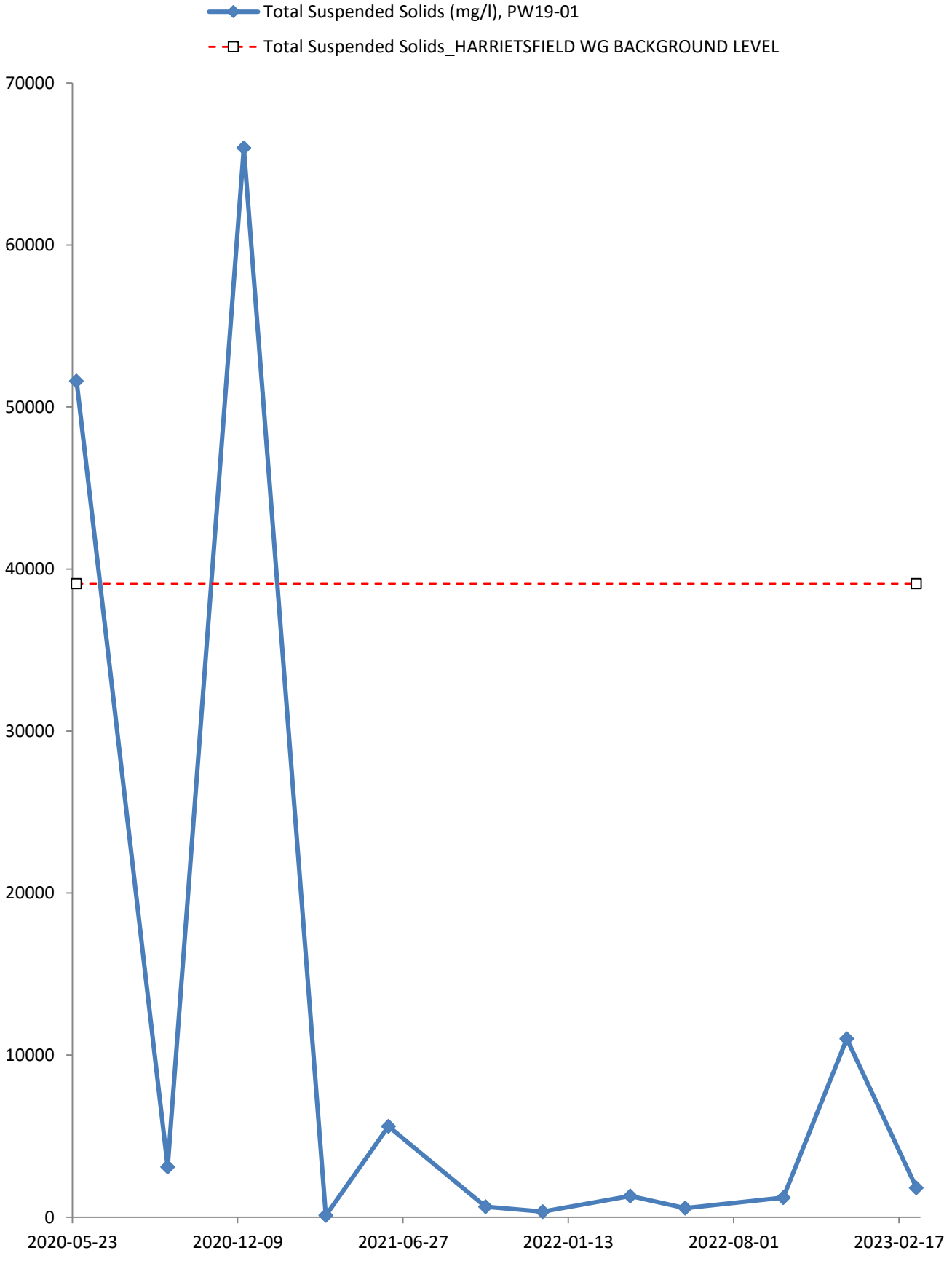


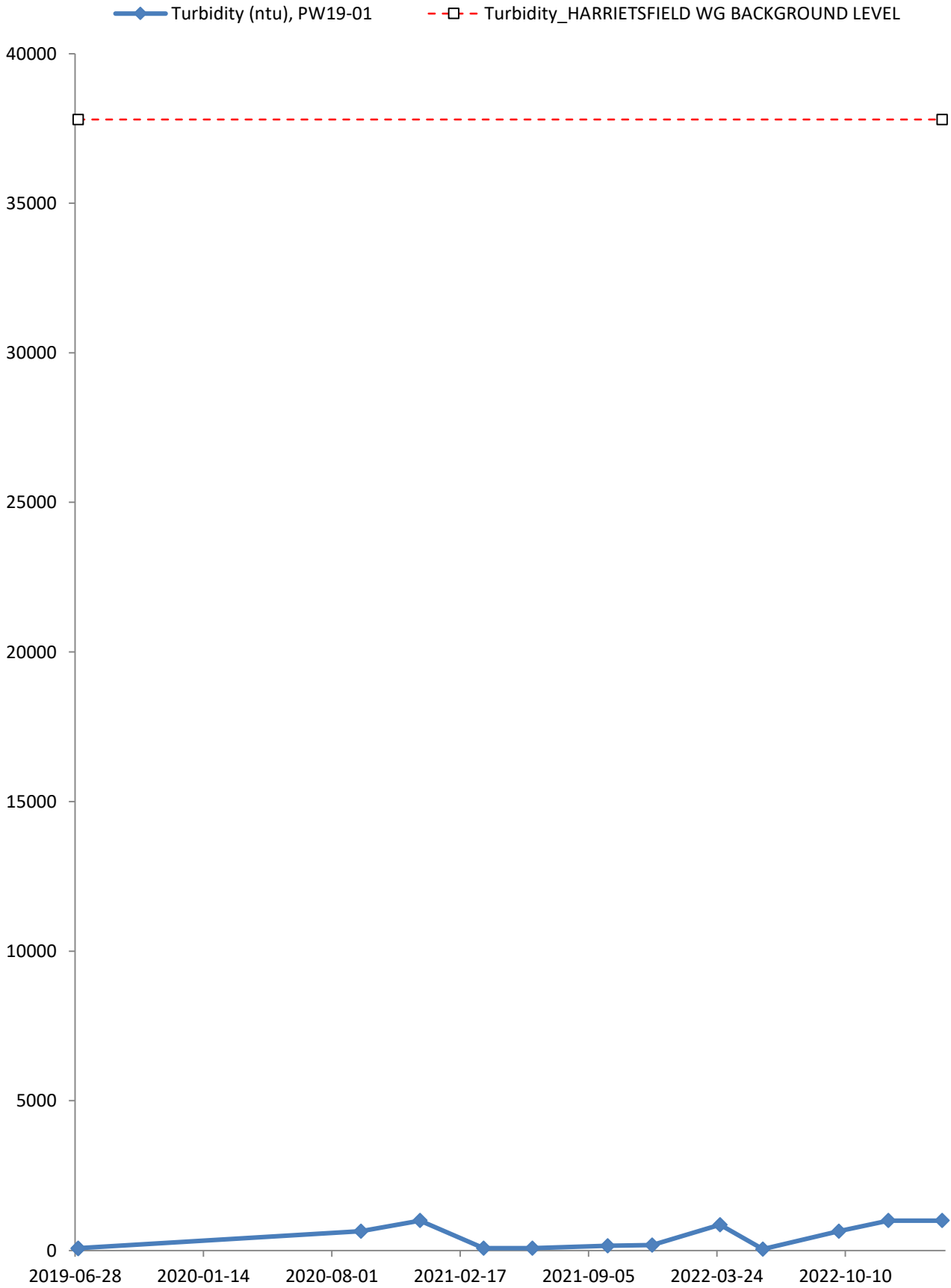
—◆— Total Diss Solids (Lab) (mg/l), PW19-01
- -□- - Total Diss Solids (Lab)_HARRIETSFIELD WG BACKGROUND LEVEL

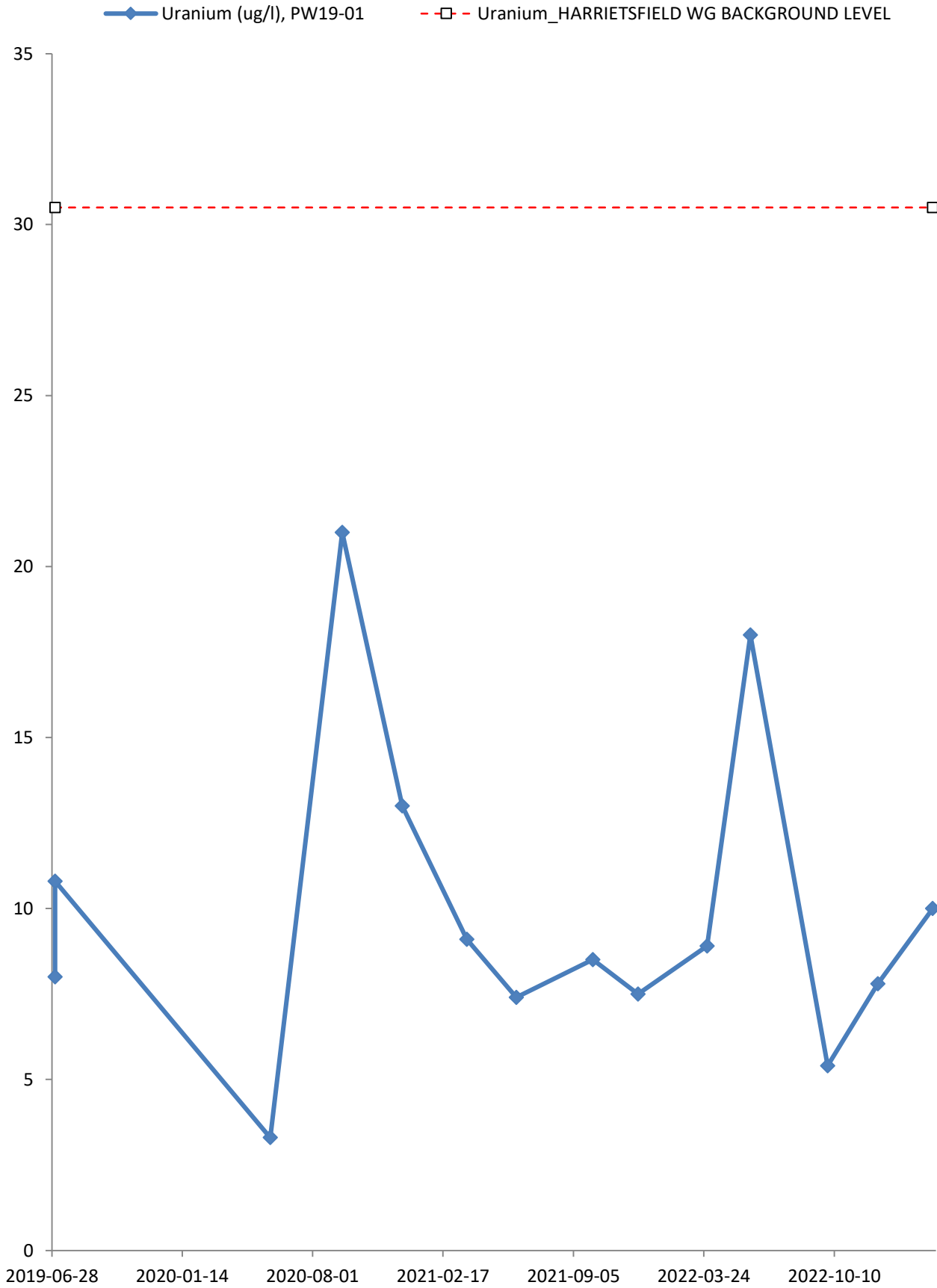


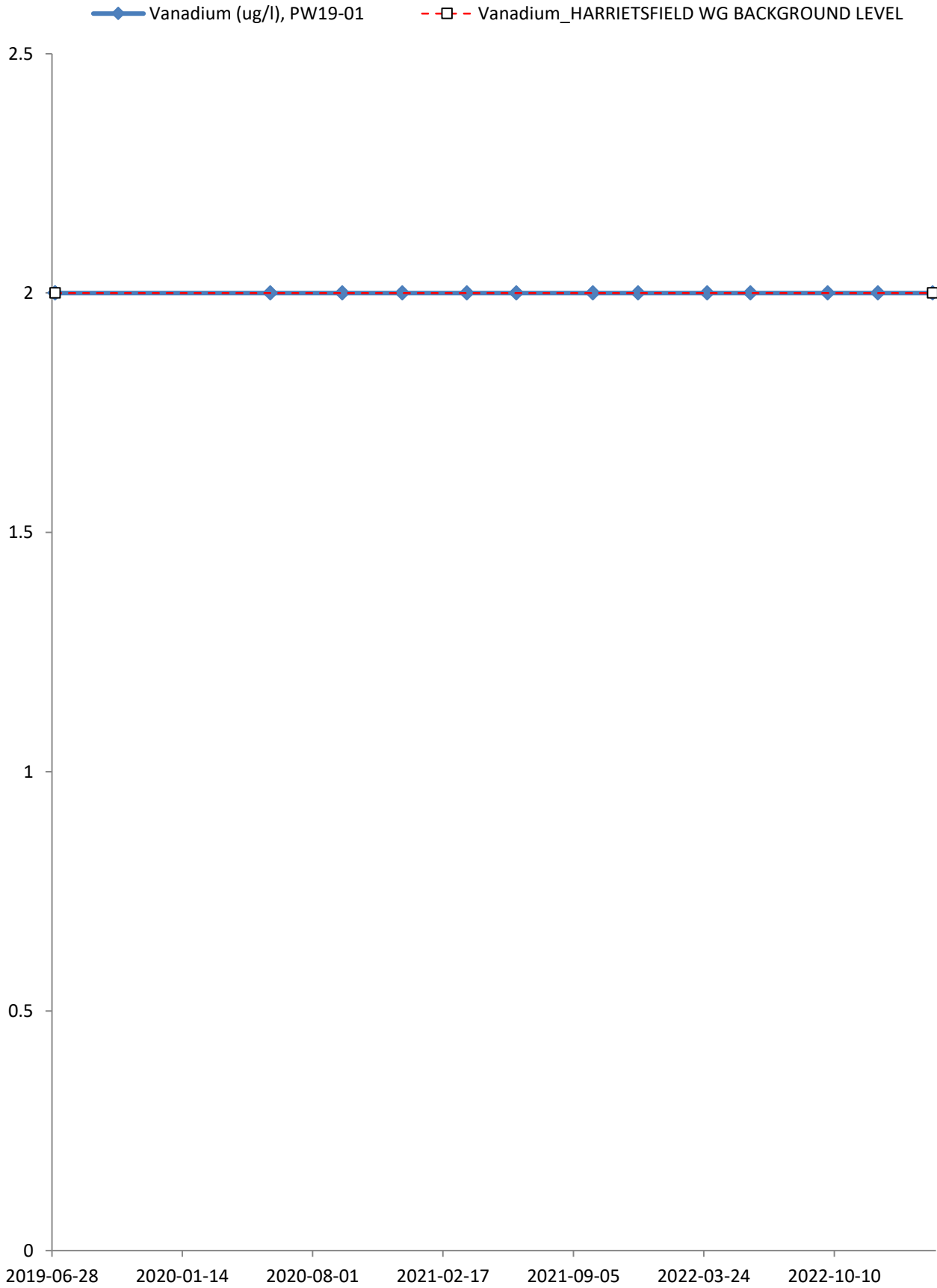
—◆— Total Organic Carbon (mg/l), PW19-01
- - □ - - Total Organic Carbon_HARRIETSFIELD WG BACKGROUND LEVEL

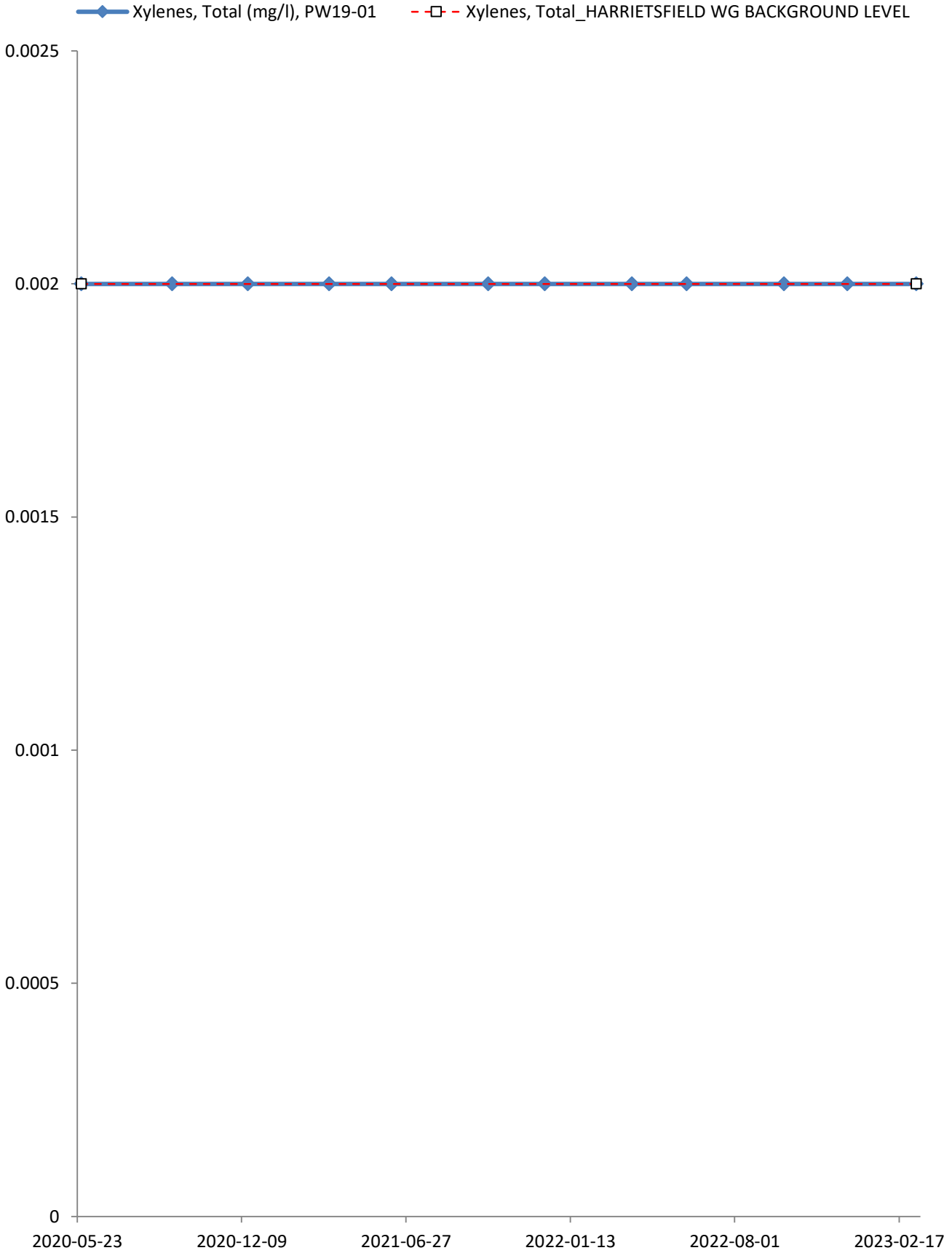


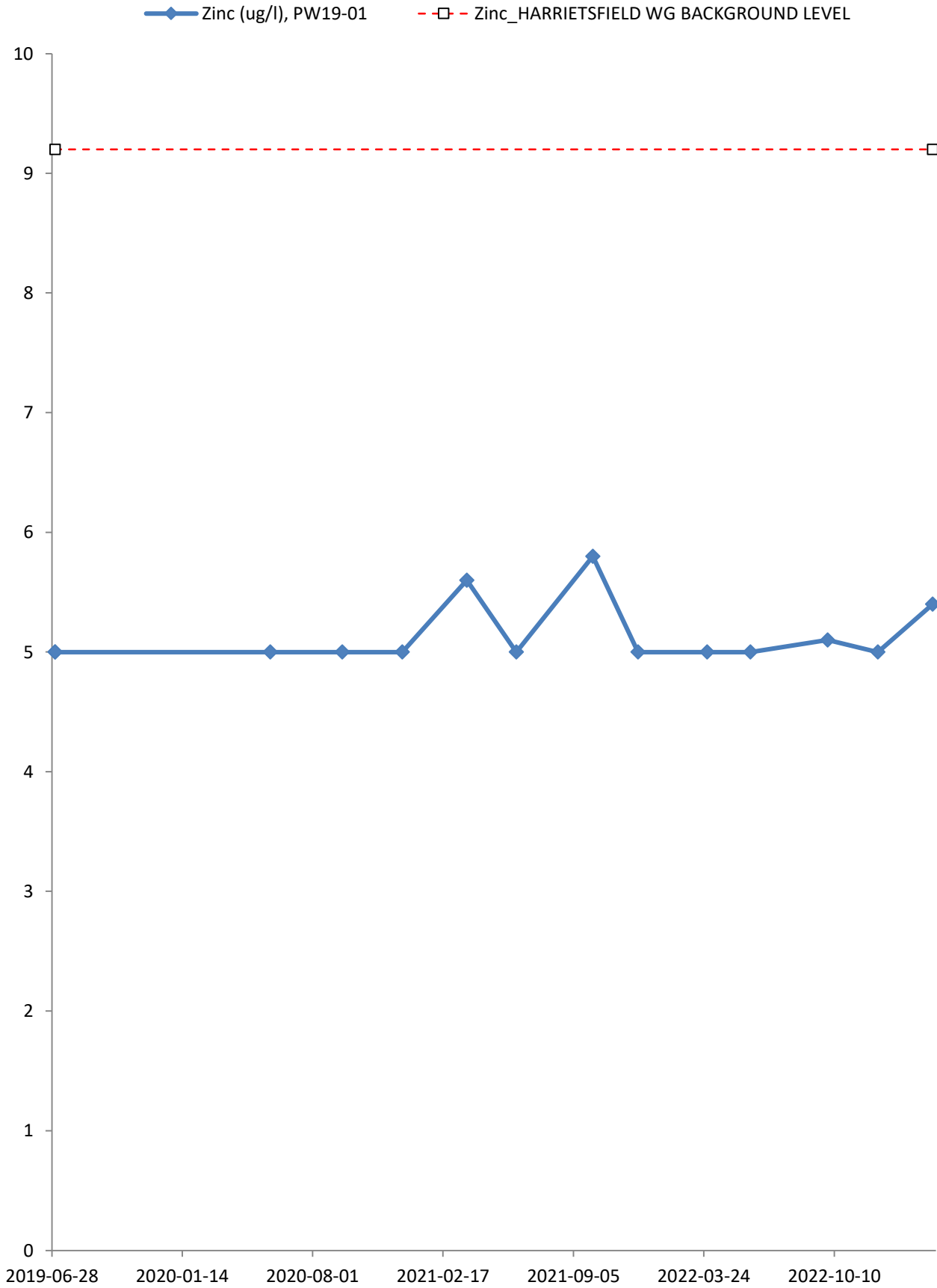




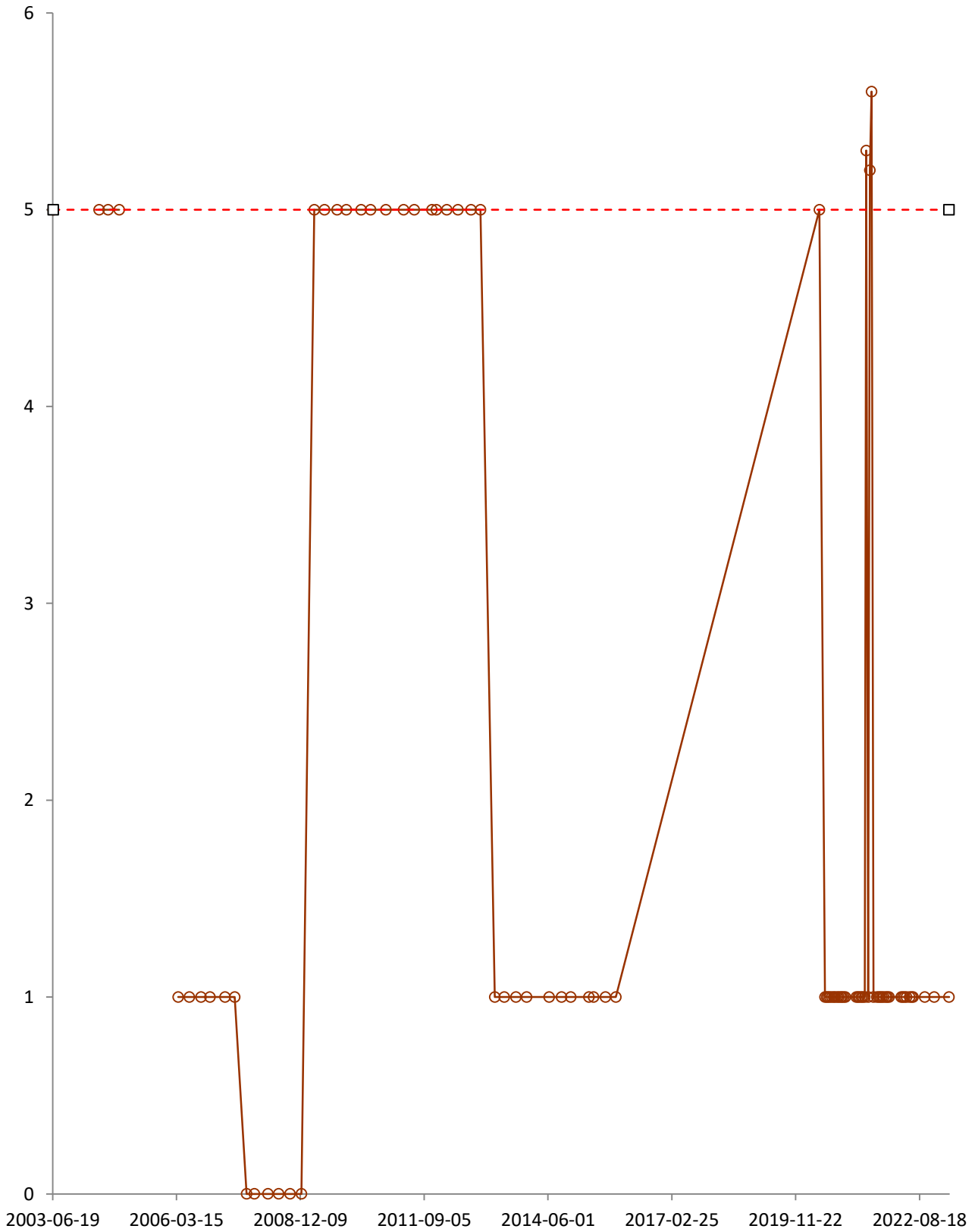


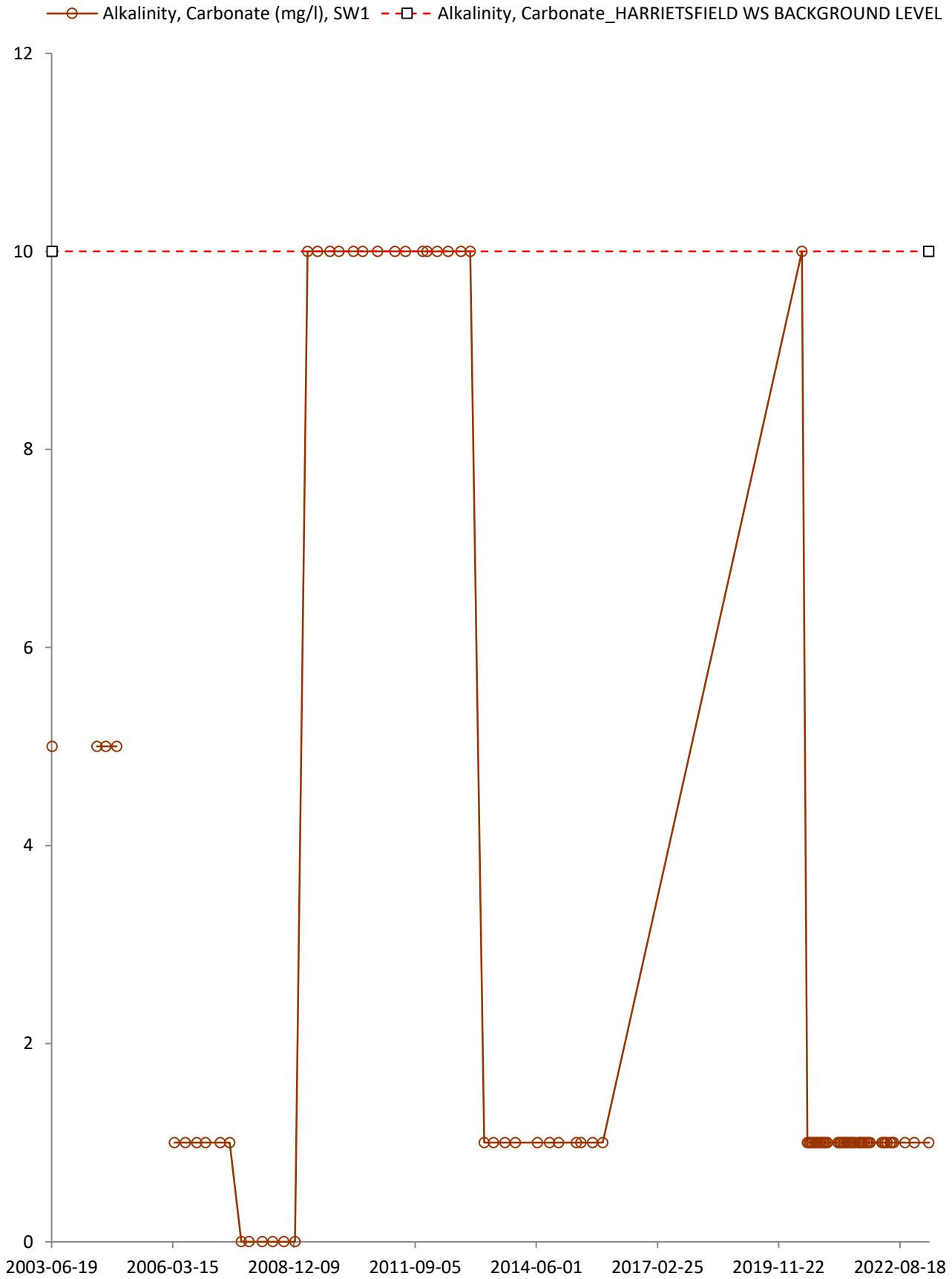


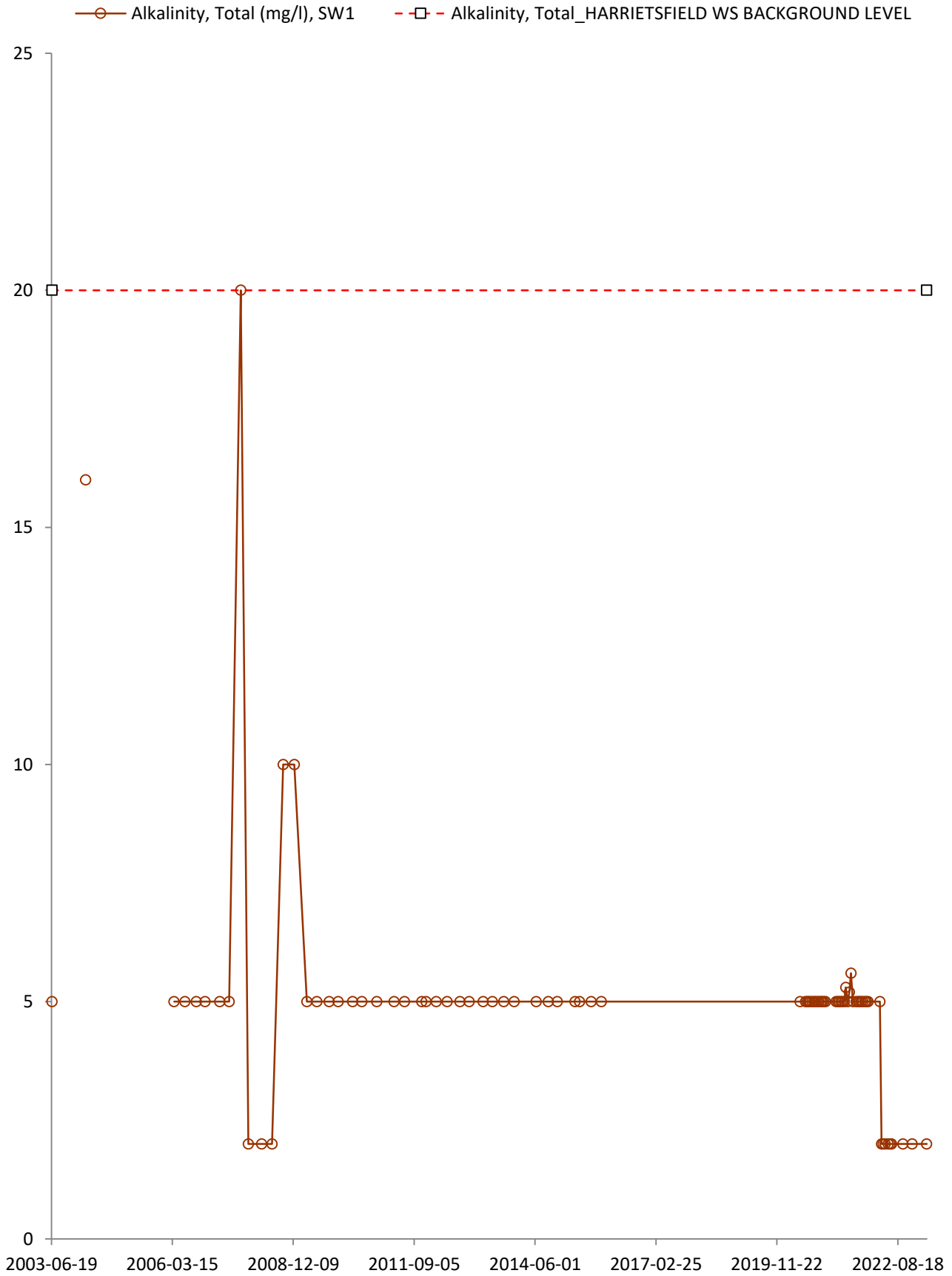


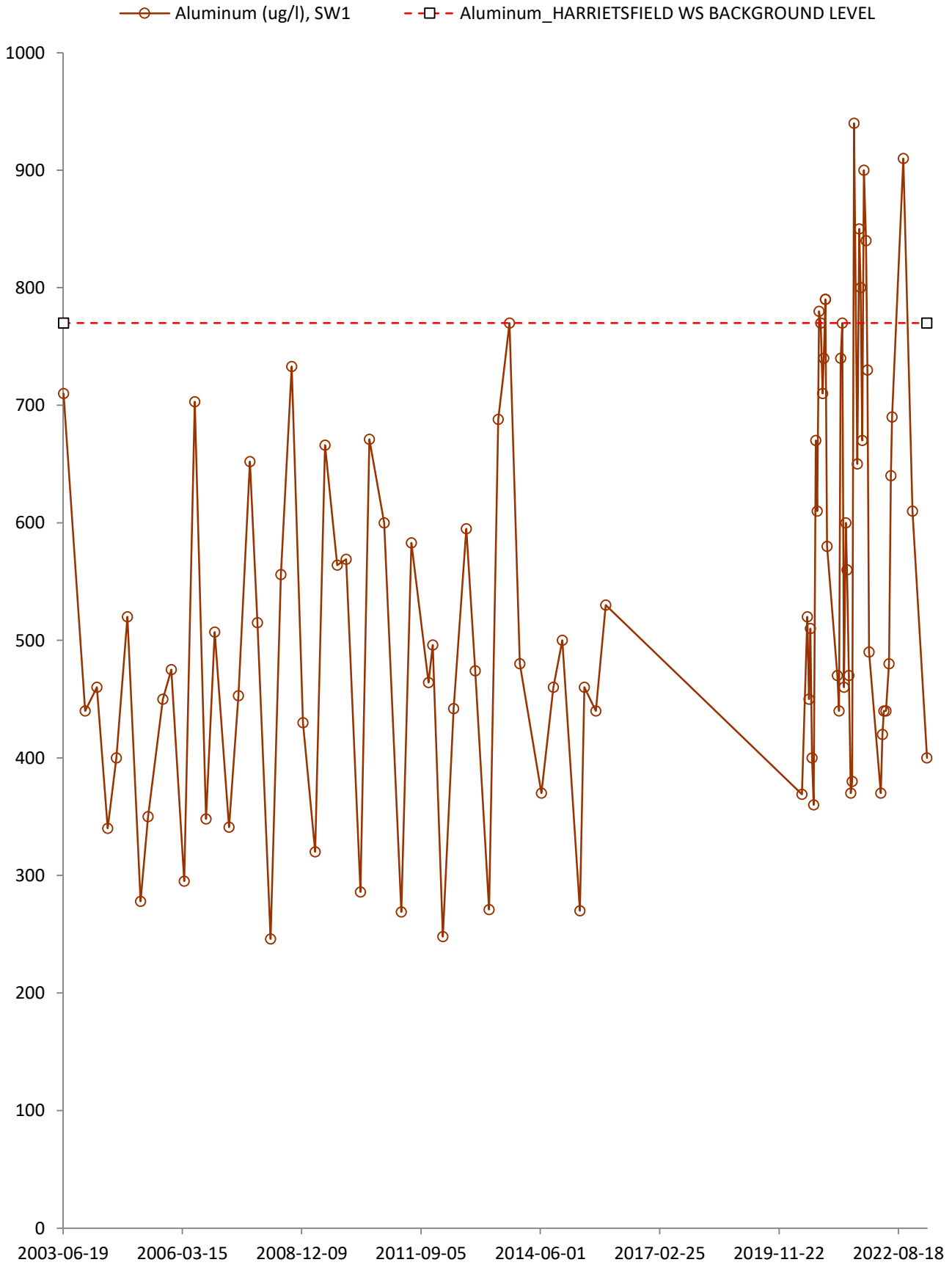


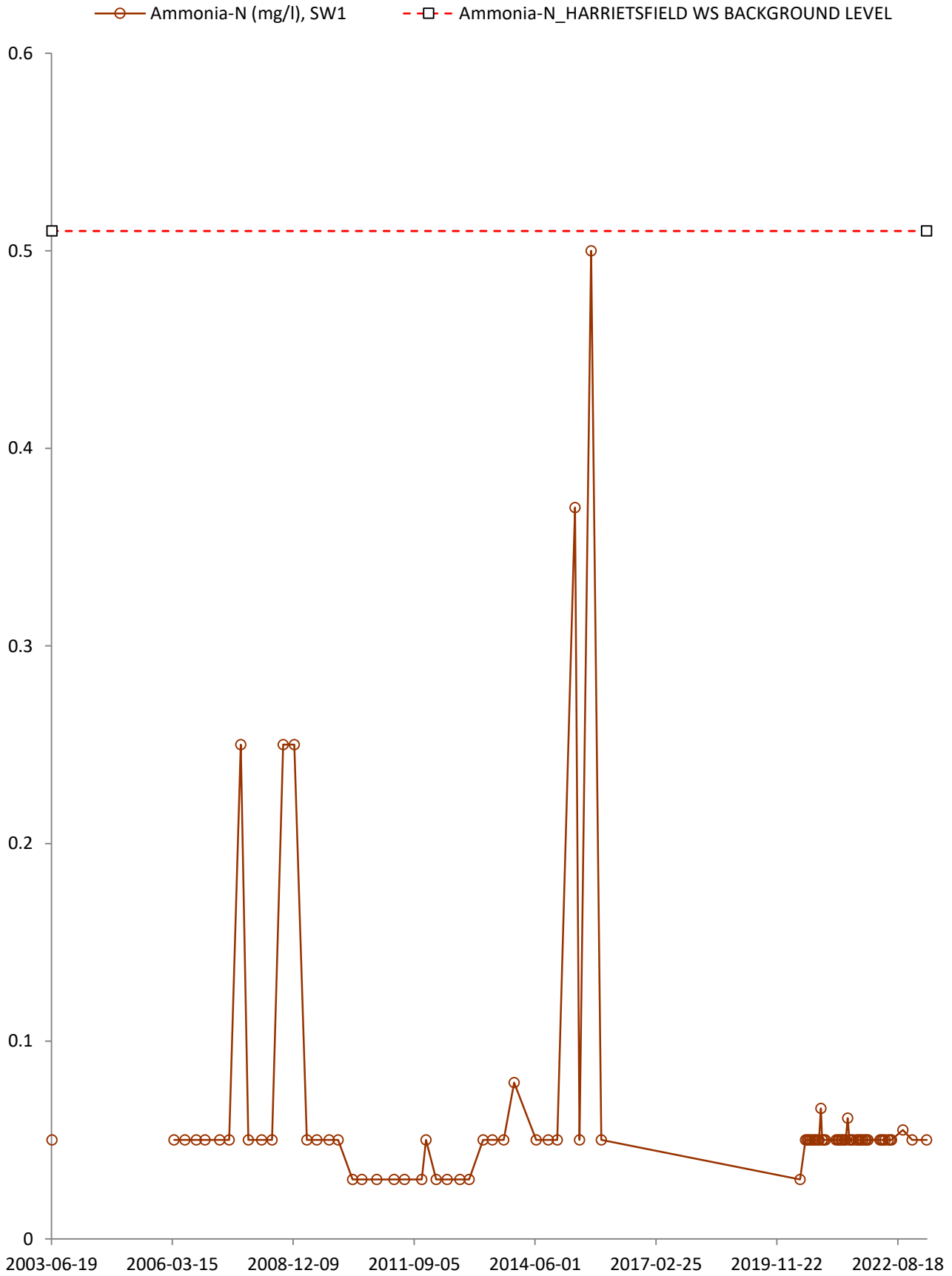
- Alkalinity, Bicarbonate (mg/l), SW1
- -□- - Alkalinity, Bicarbonate_HARRIETSFIELD WS BACKGROUND LEVEL

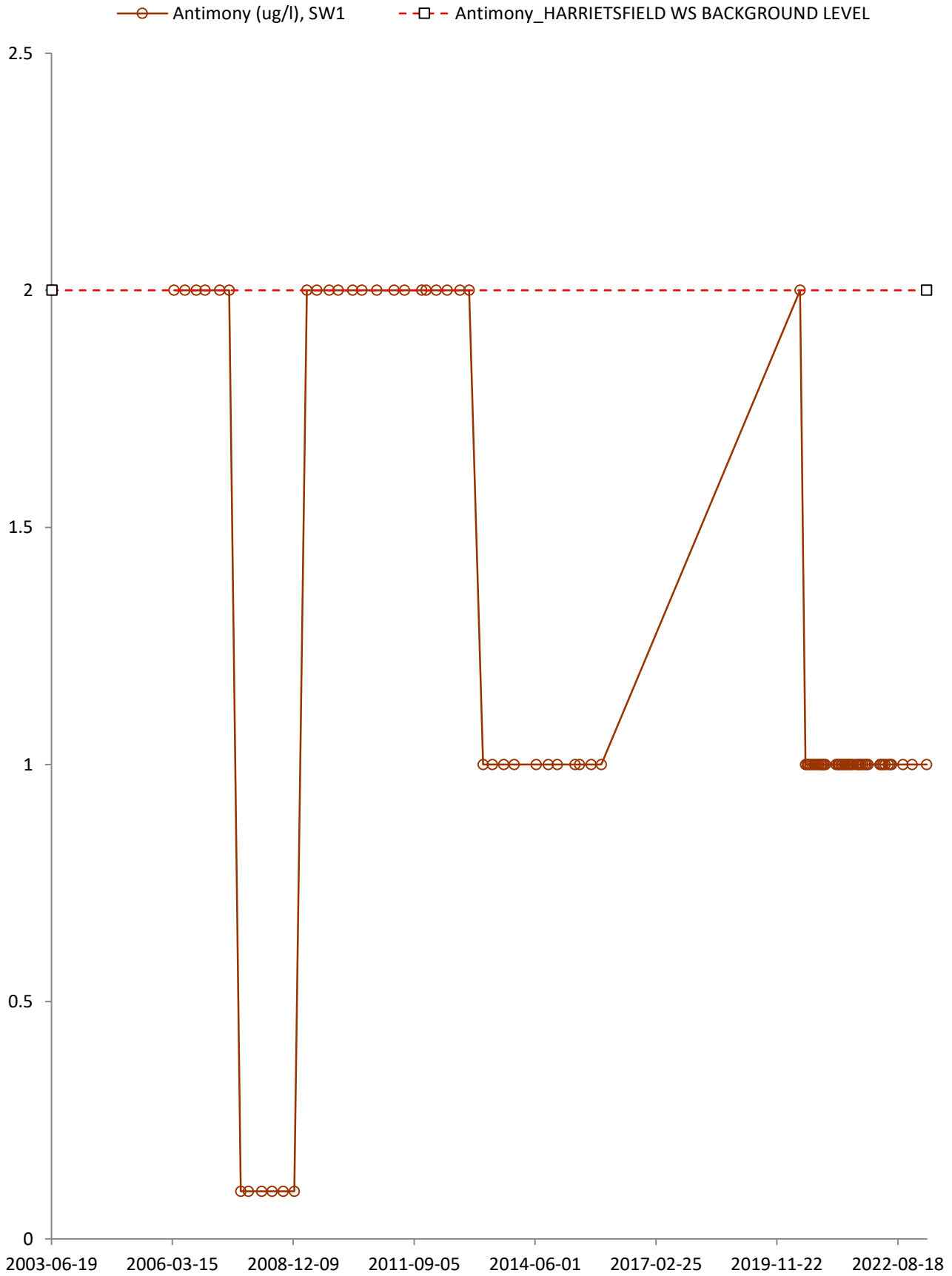




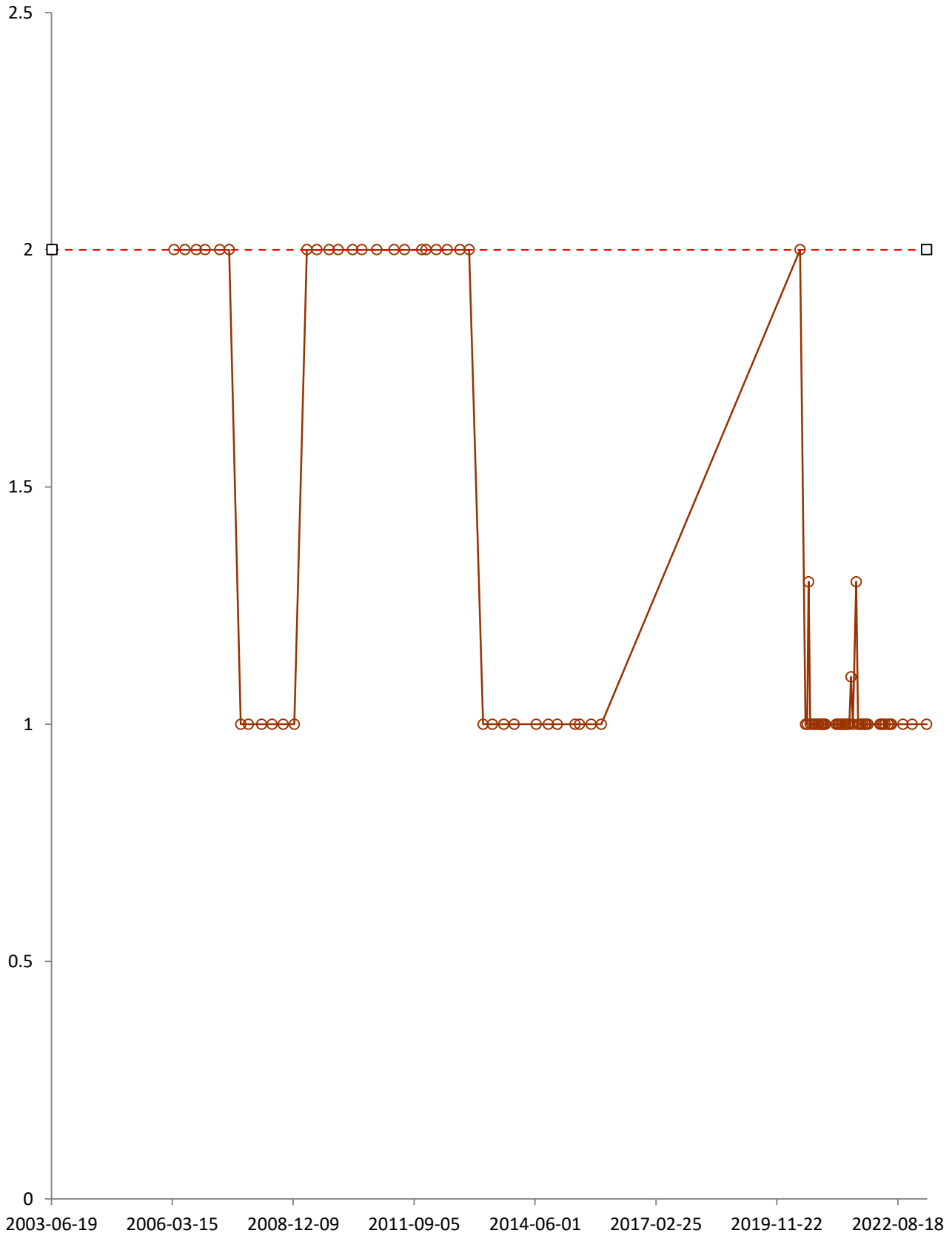


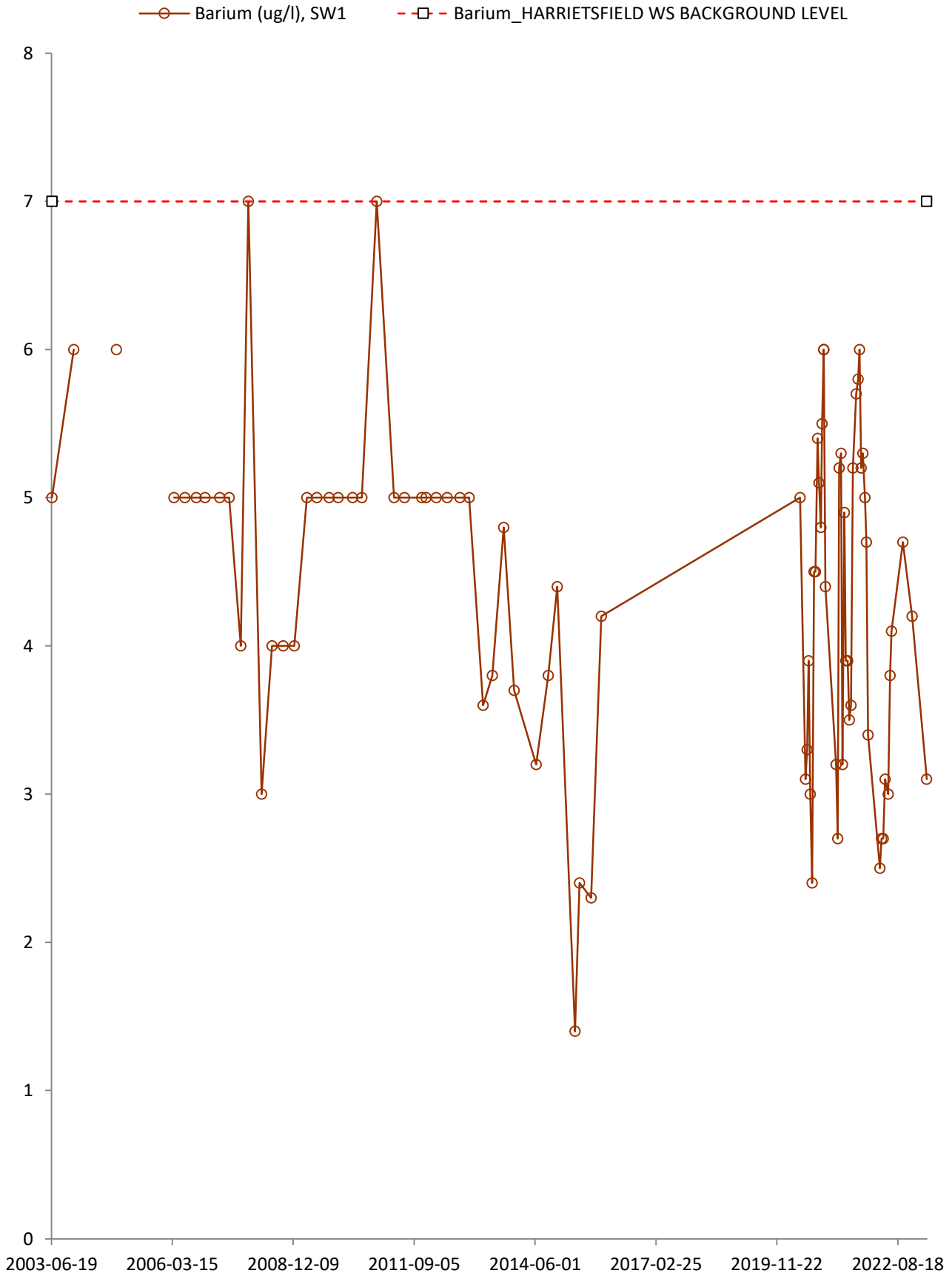


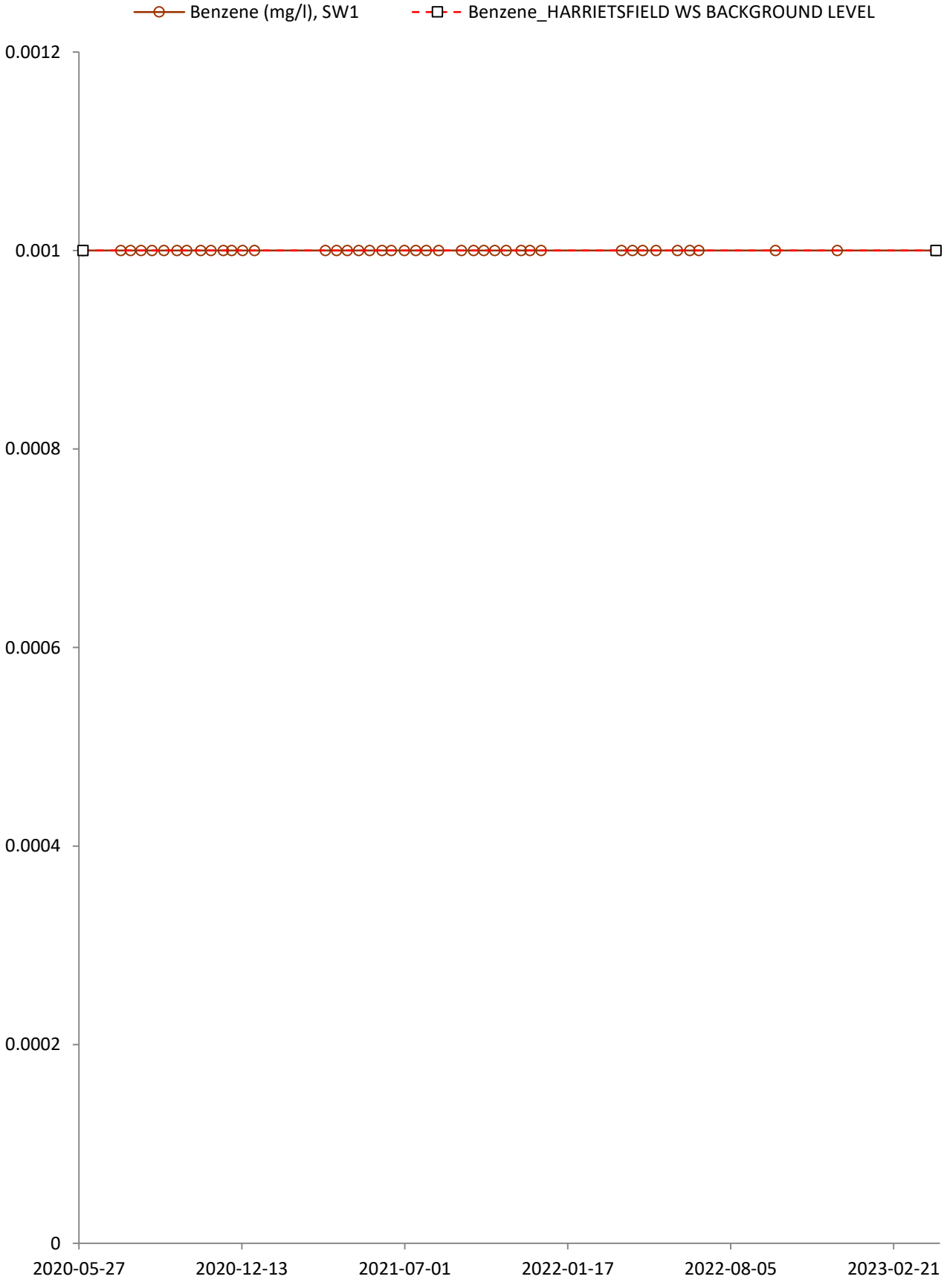




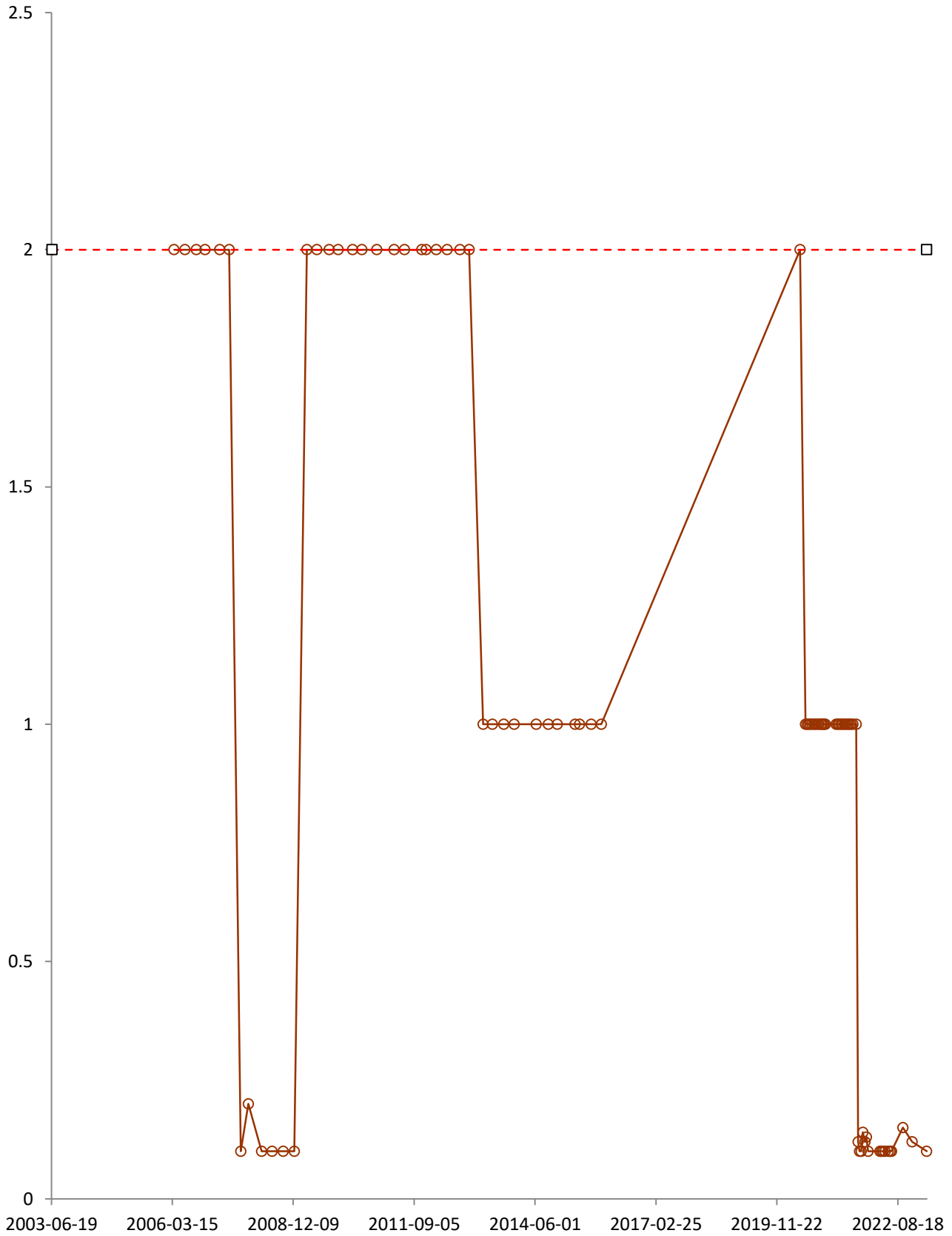
—○— Arsenic (ug/l), SW1 - -□- - Arsenic_HARRIETSFIELD WS BACKGROUND LEVEL

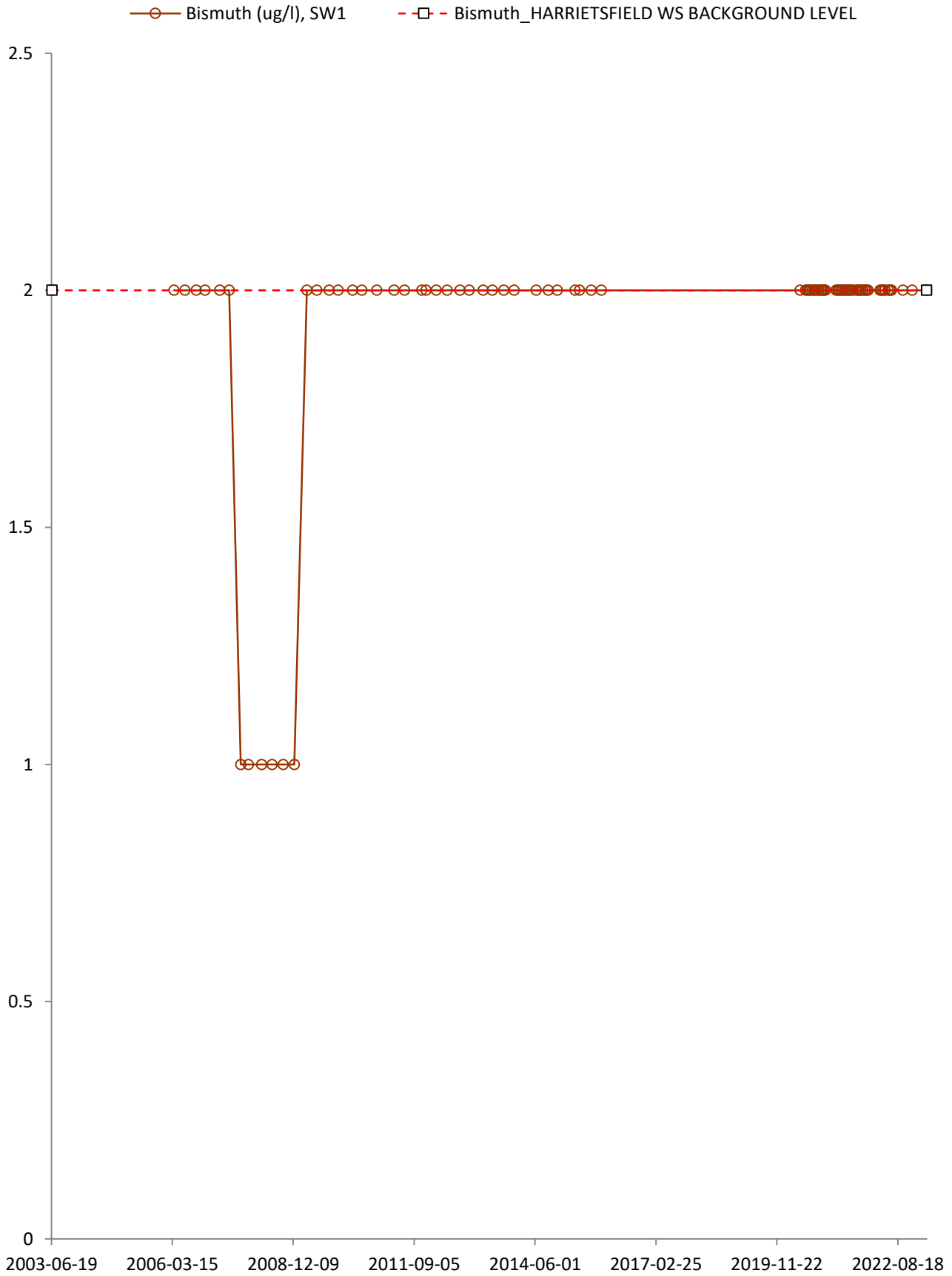




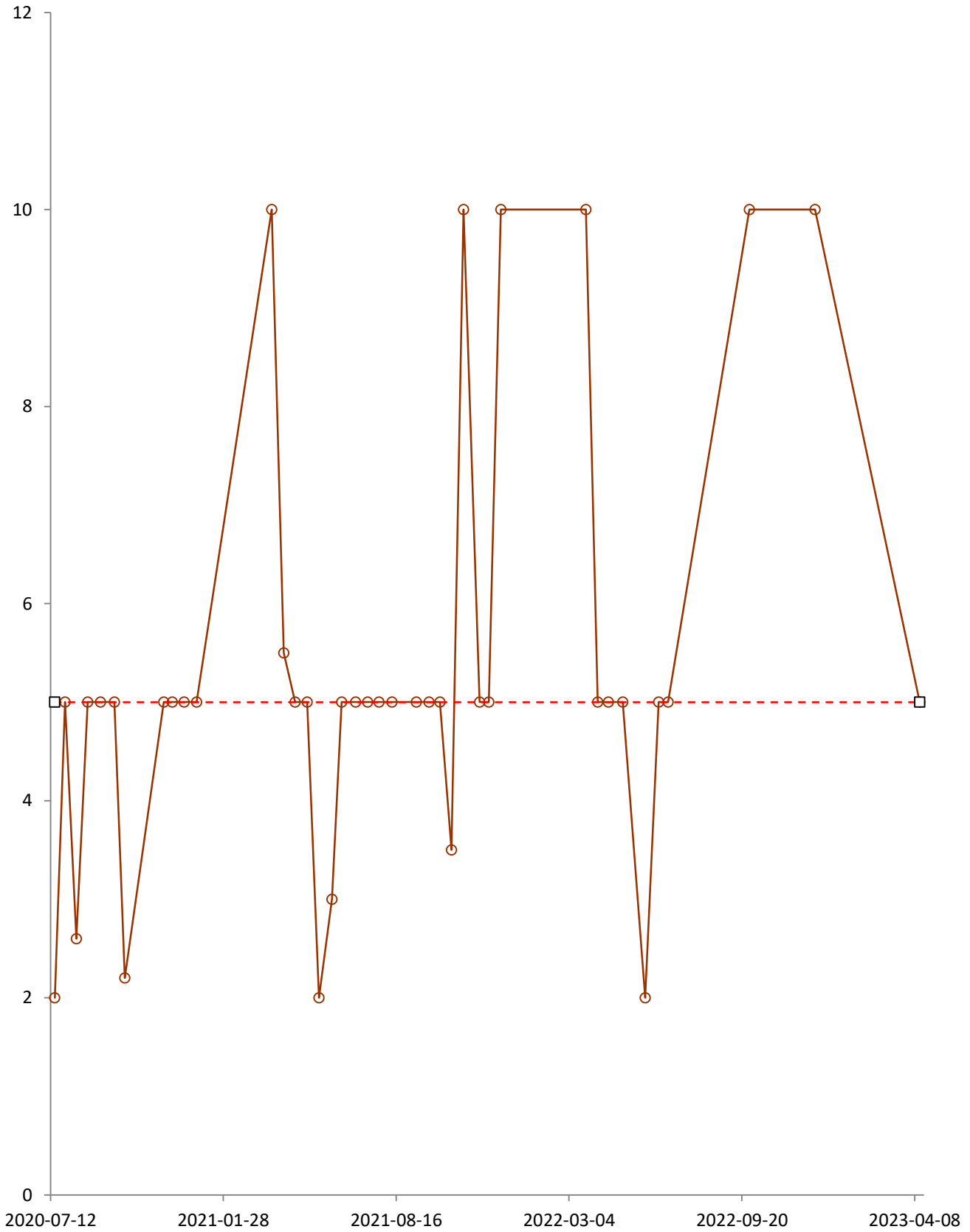


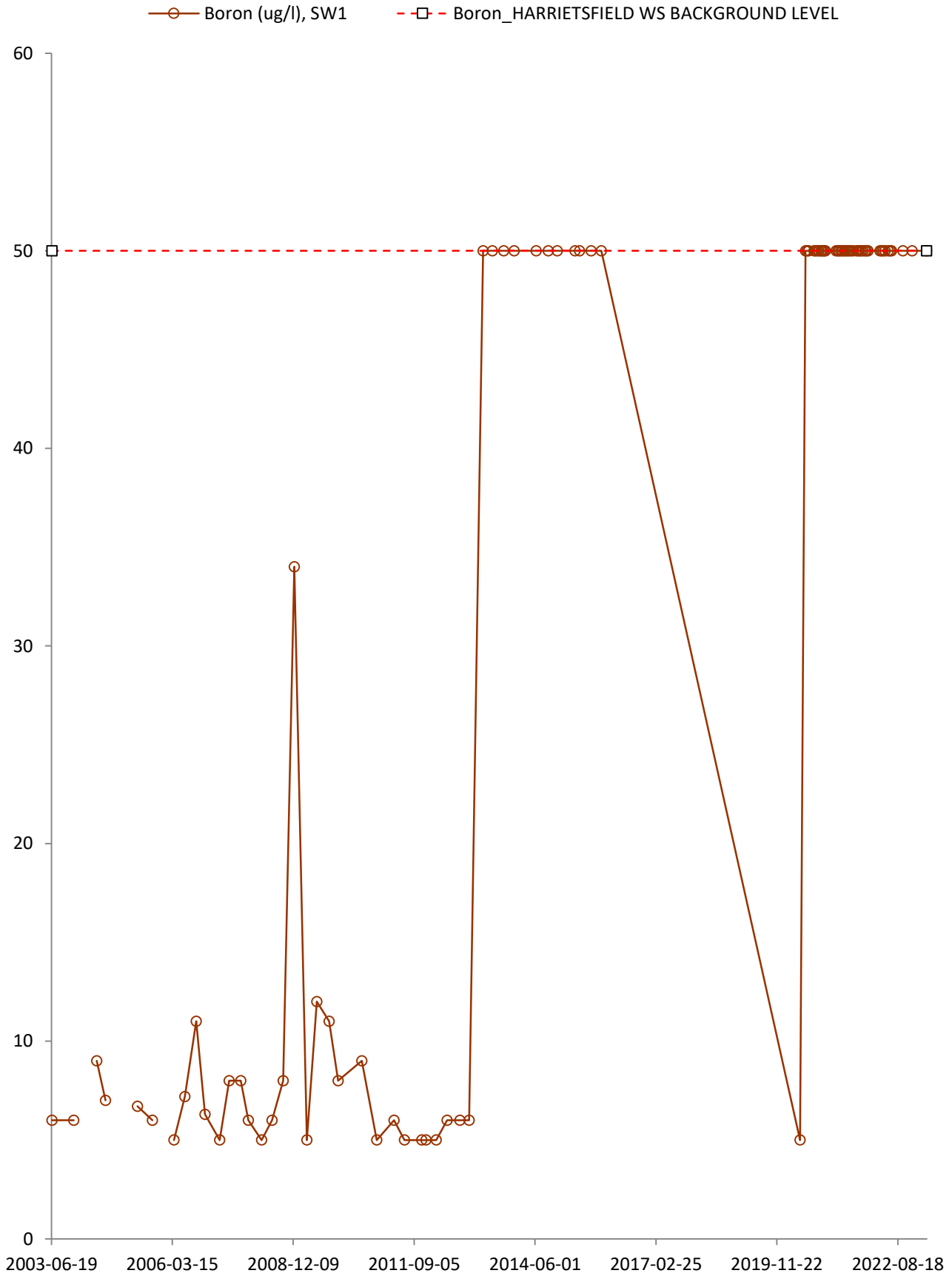
—○— Beryllium (ug/l), SW1 - -□- - Beryllium_HARRIETSFIELD WS BACKGROUND LEVEL

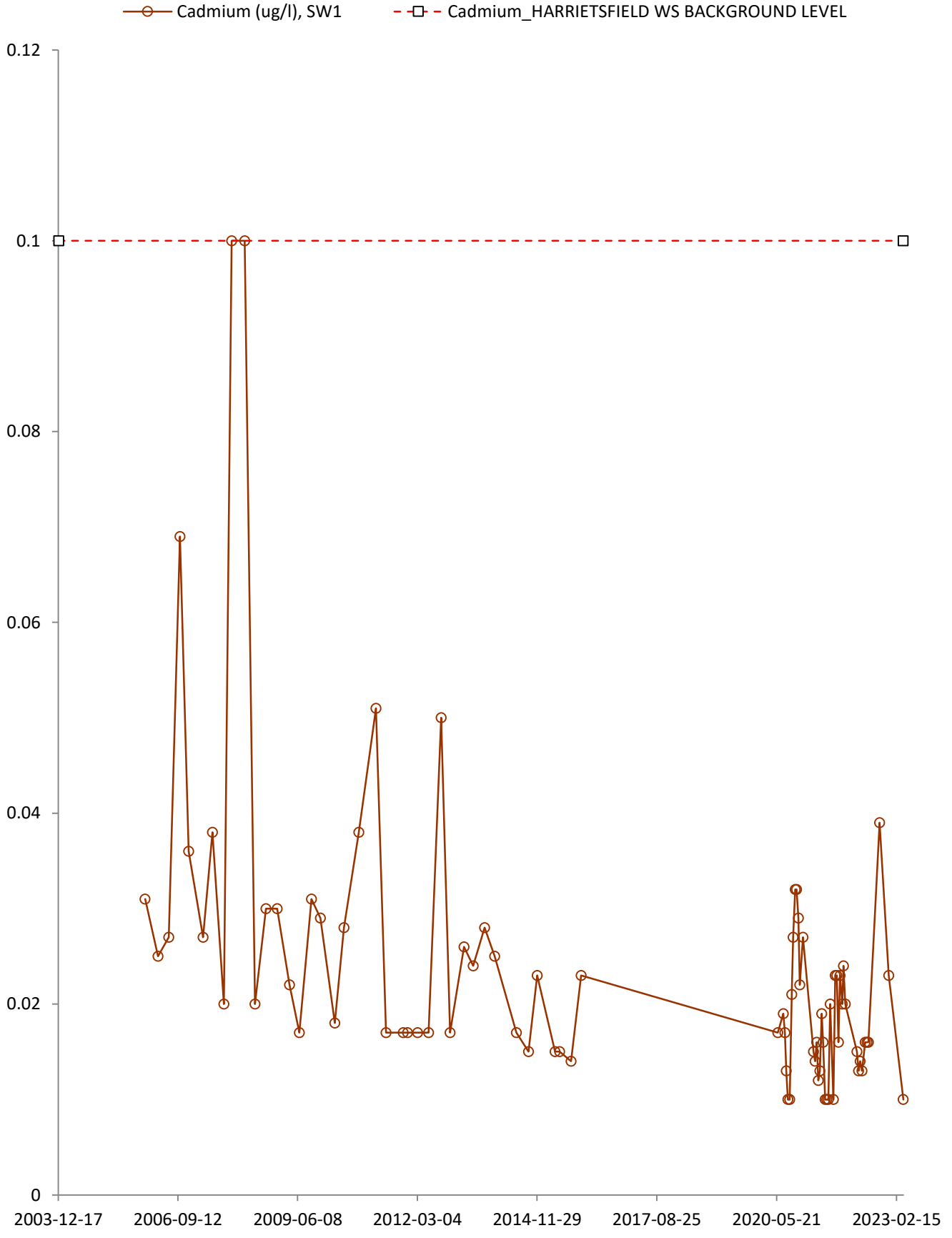




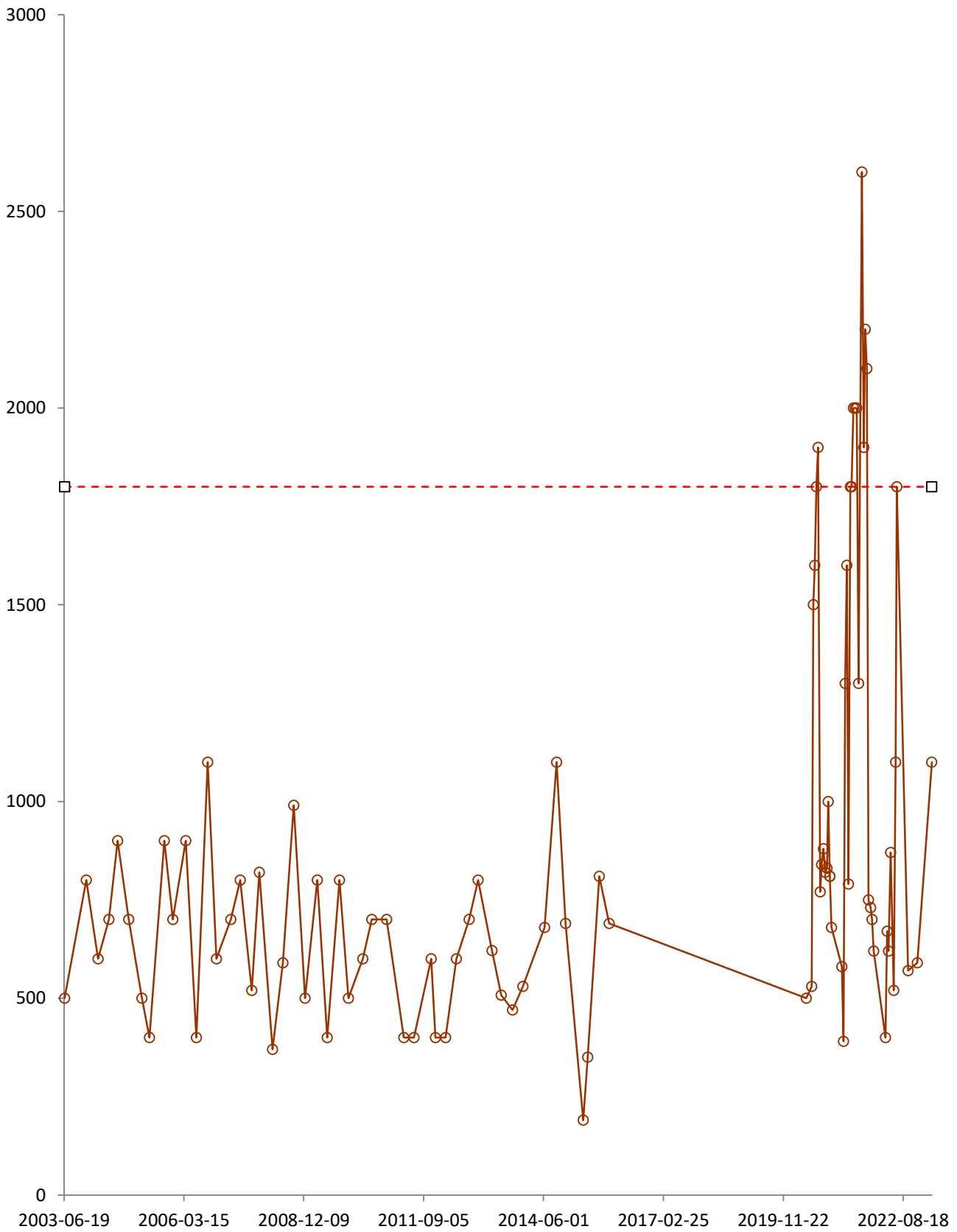
—○— BOD Carbonaceous (mg/l), SW1 - -□- - BOD Carbonaceous_HARRIETSFIELD WS BACKGROUND LEVEL



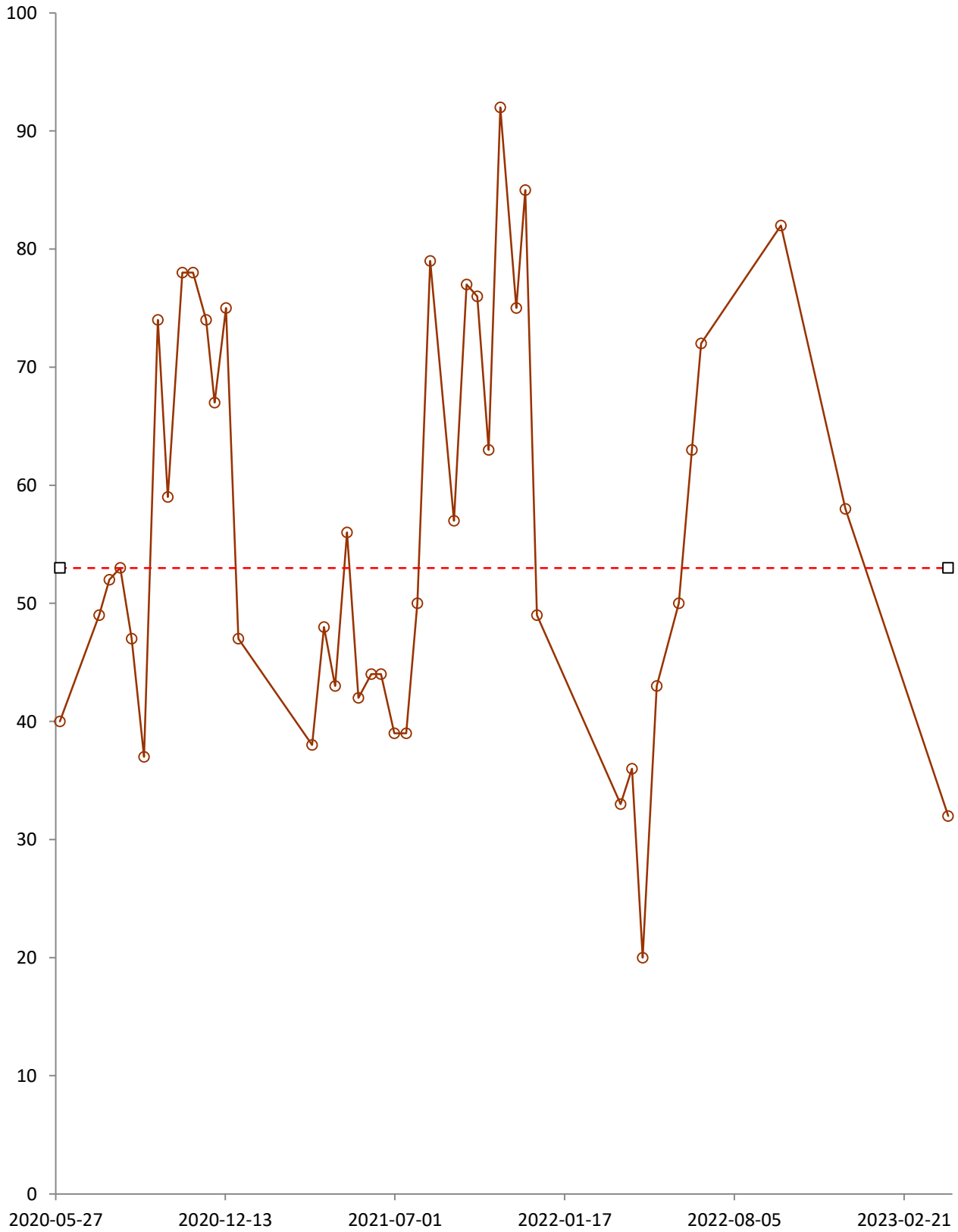


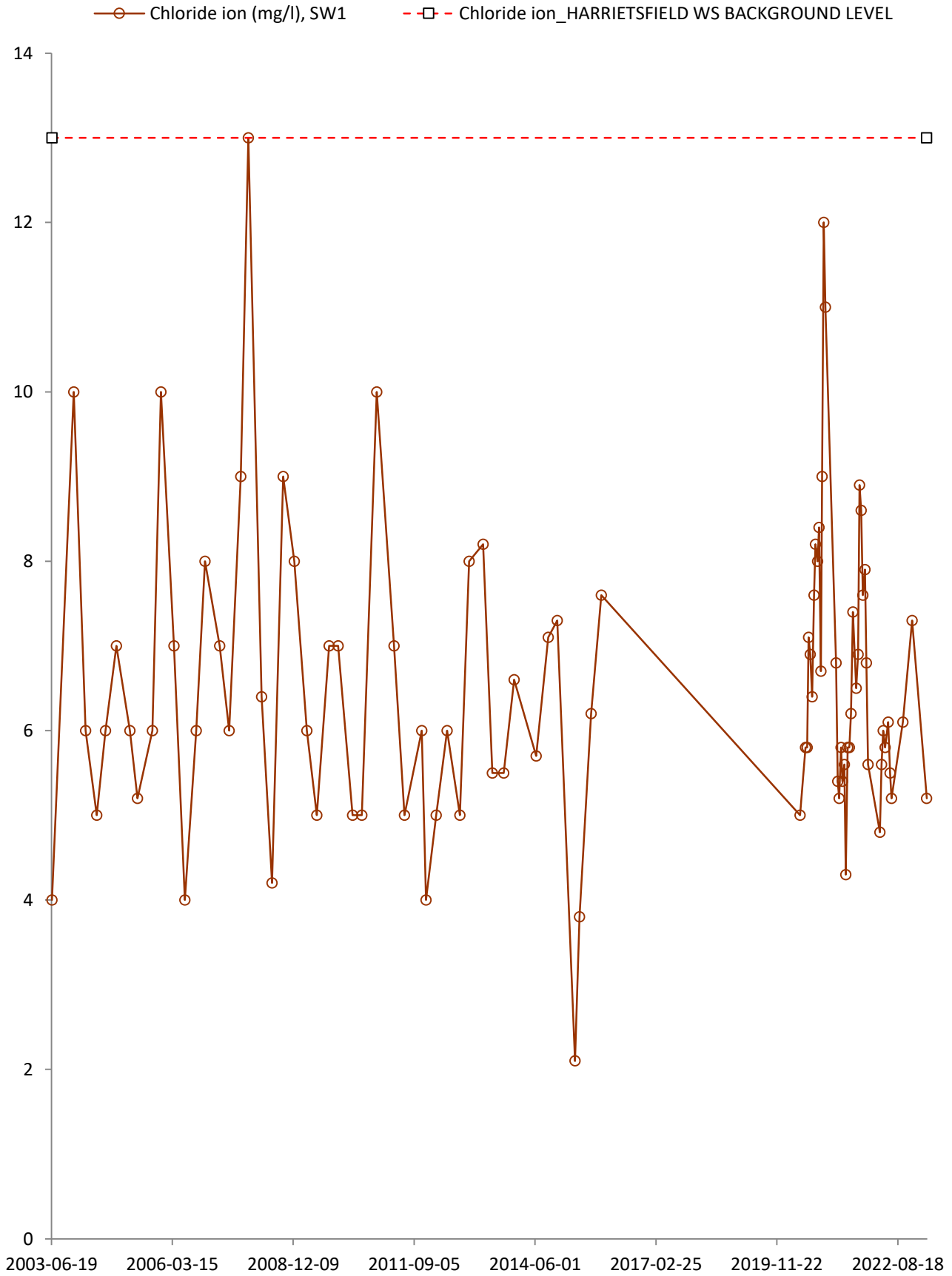


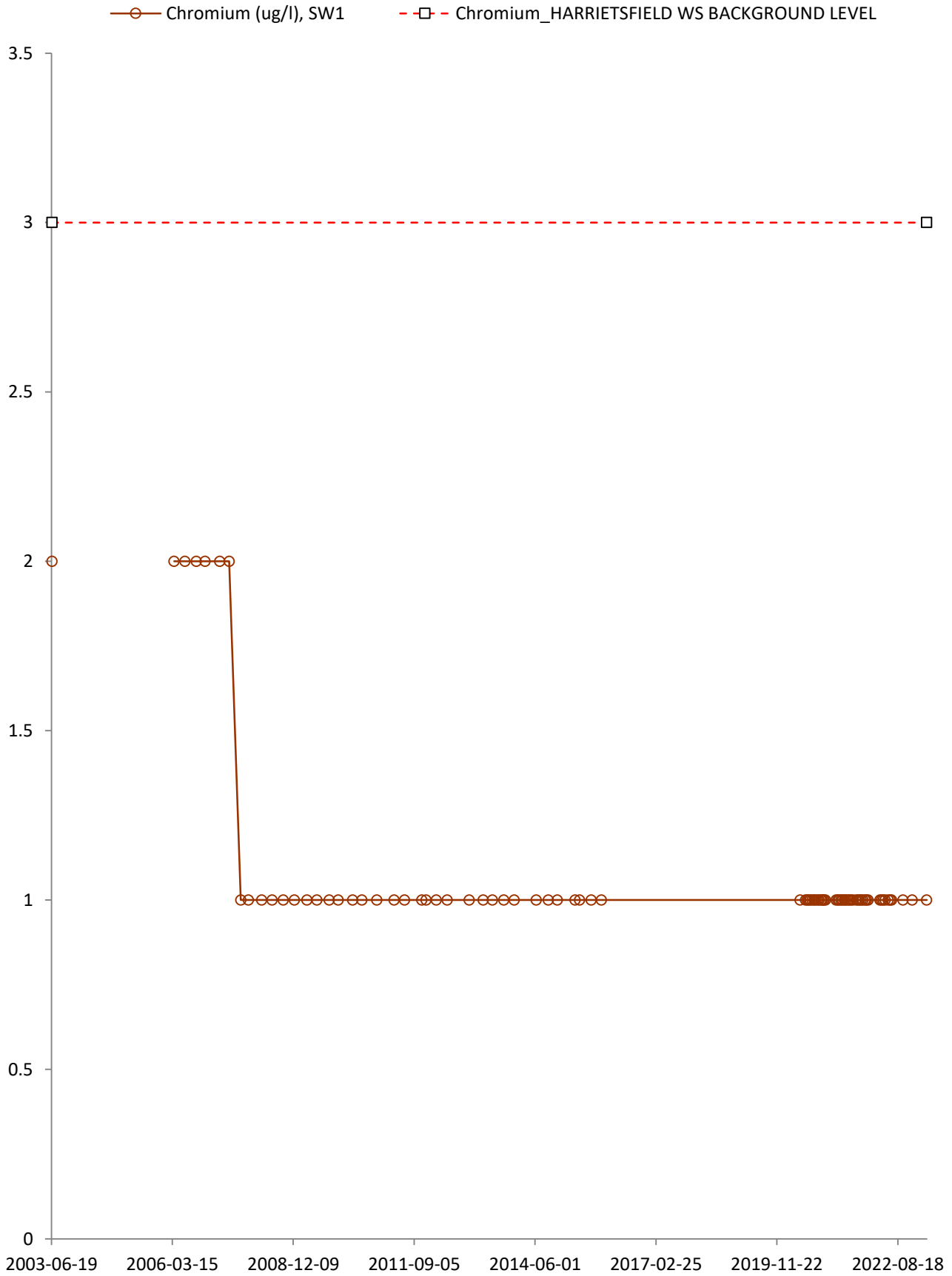
—○— Calcium (ug/l), SW1 - -□- - Calcium_HARRIETSFIELD WS BACKGROUND LEVEL

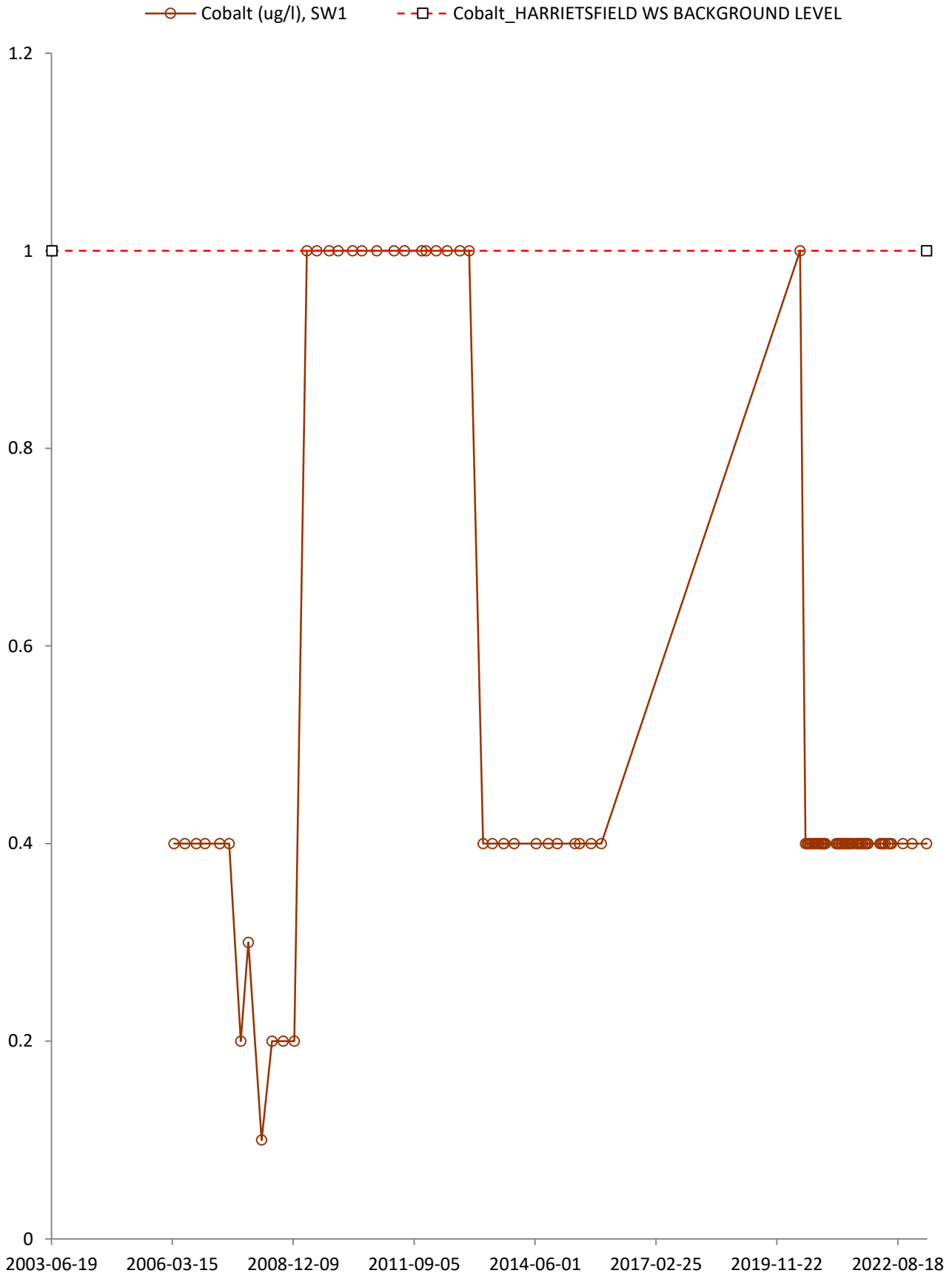


- Chemical Oxygen Demand (mg/l), SW1
- Chemical Oxygen Demand_HARRIETSFIELD WS BACKGROUND LEVEL

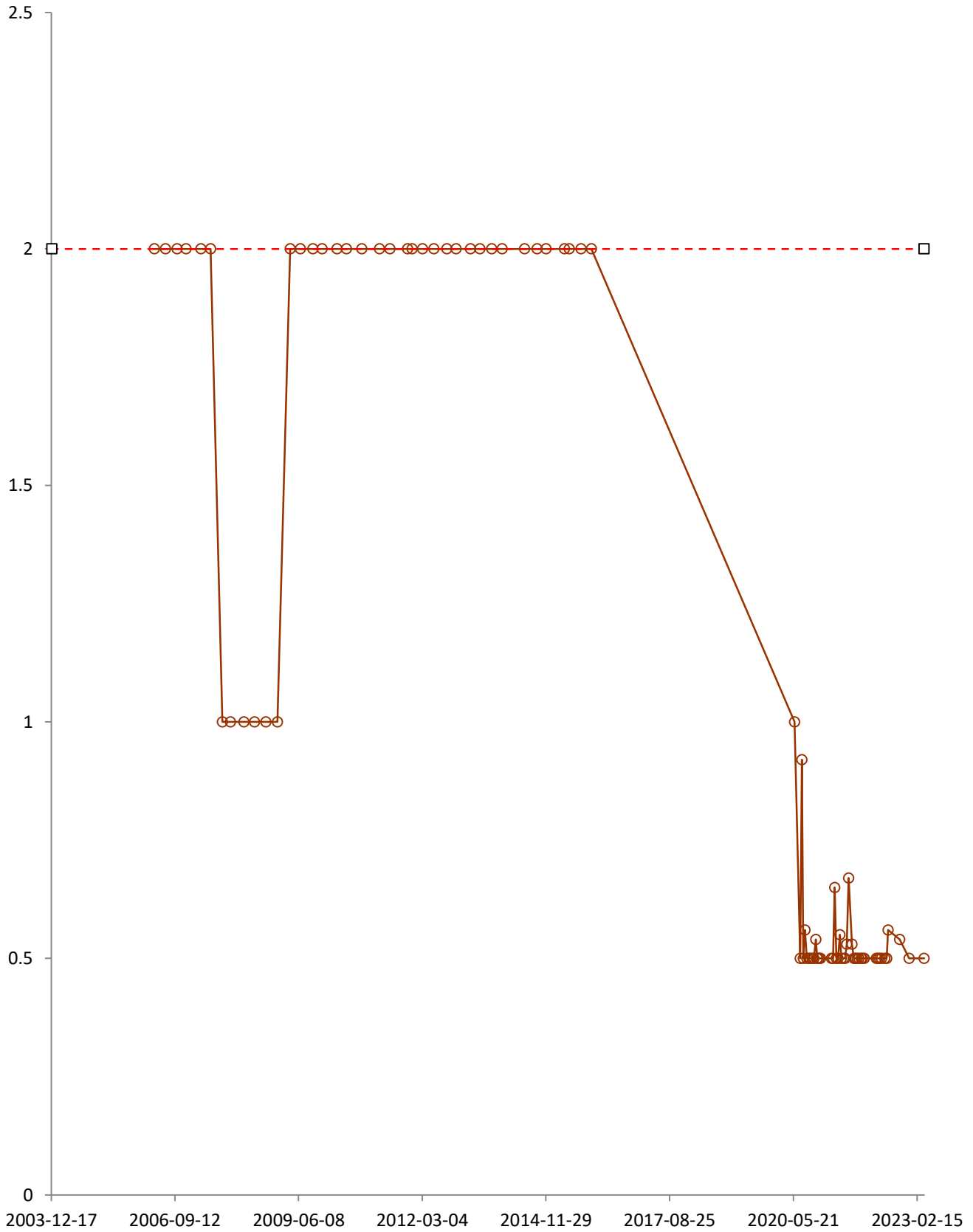




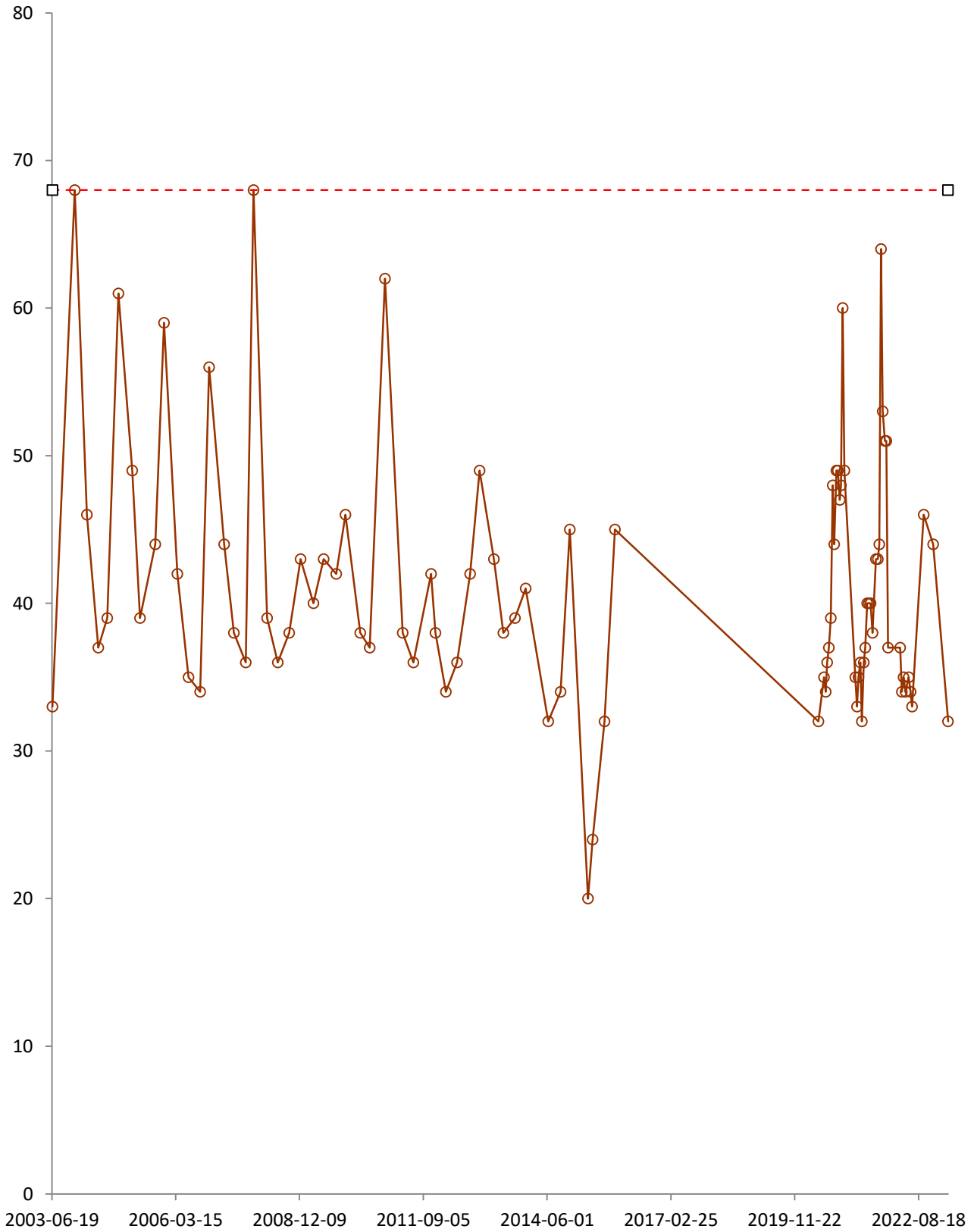


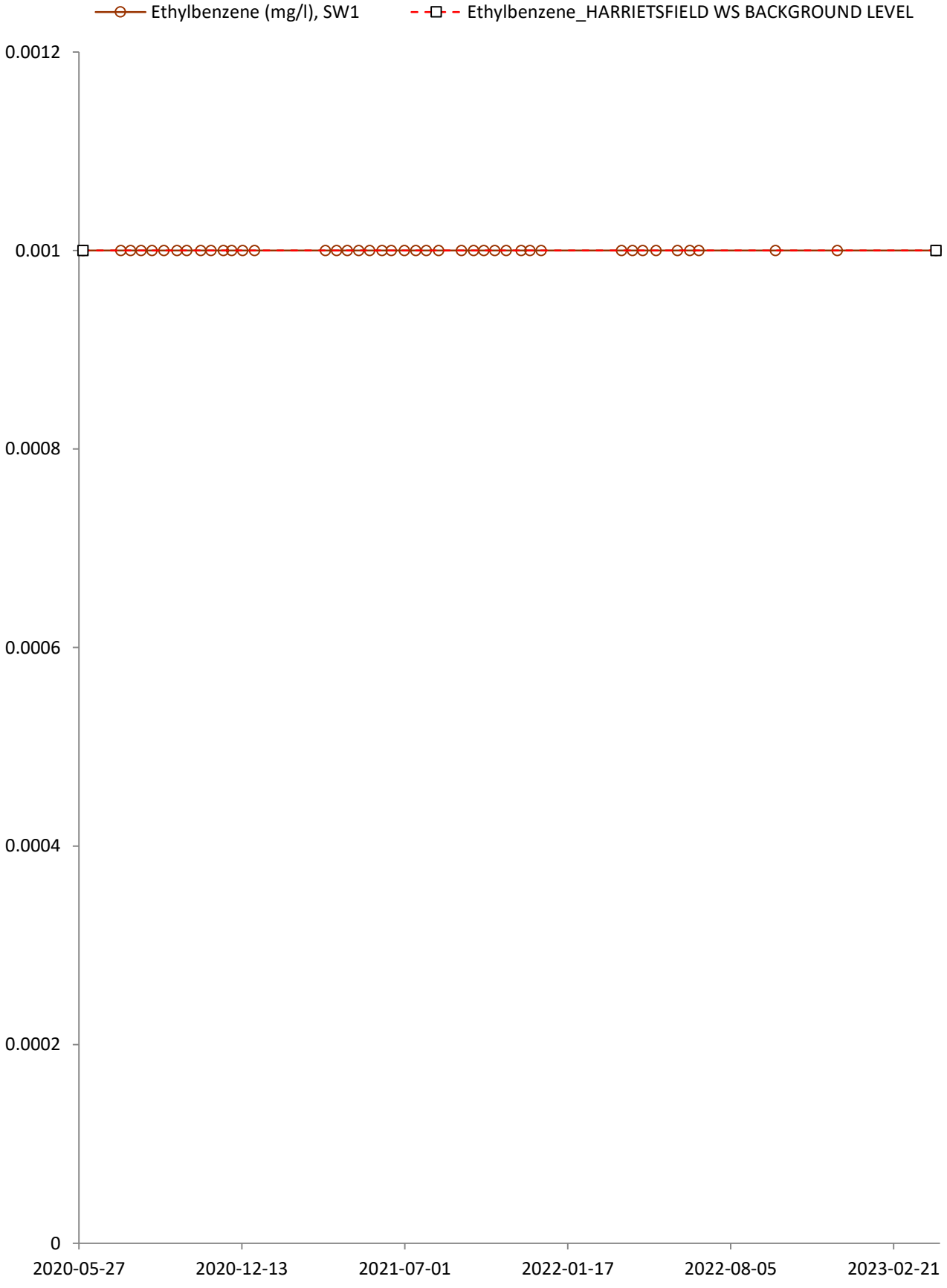


—○— Copper (ug/l), SW1 - -□- - Copper_HARRIETSFIELD WS BACKGROUND LEVEL

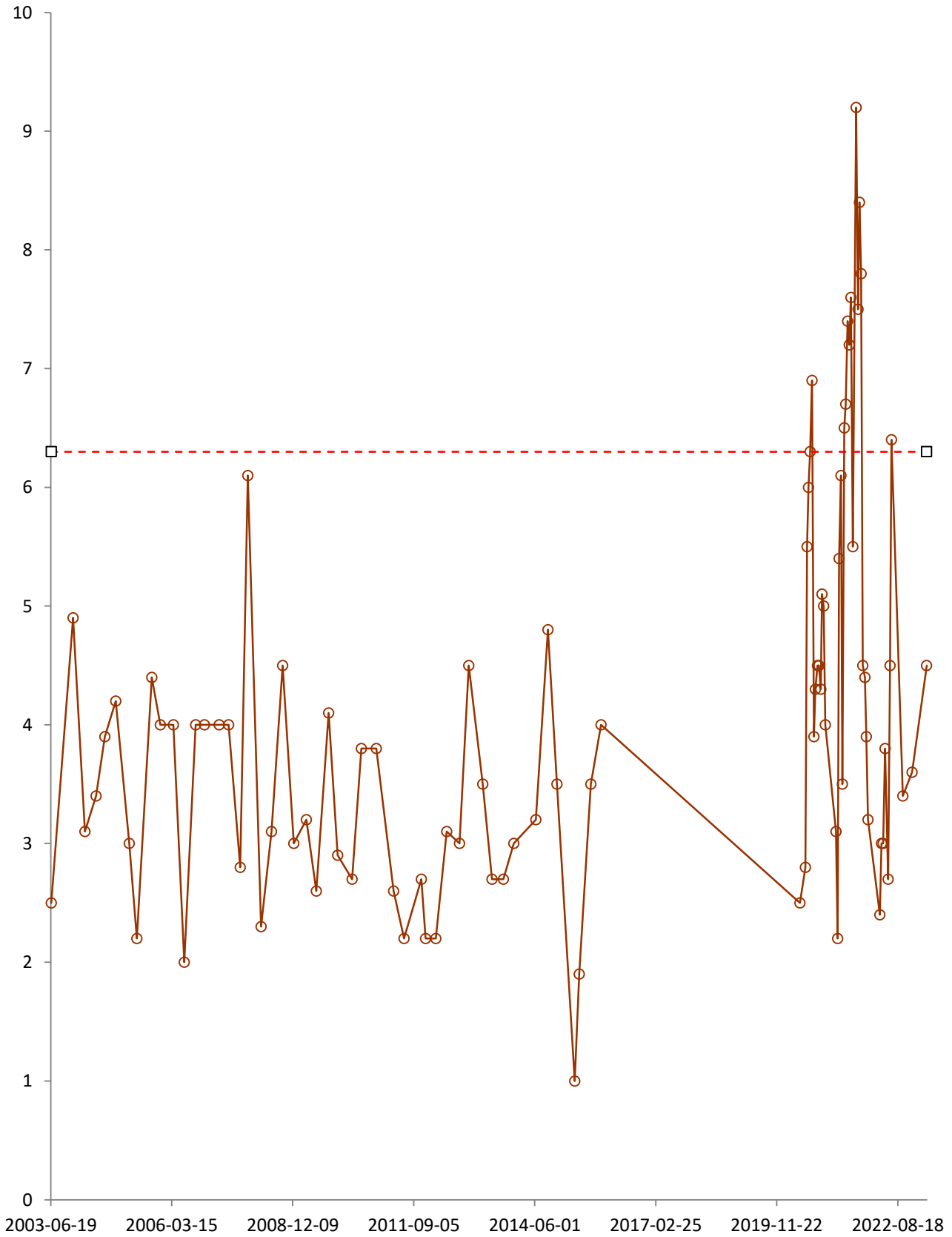


- Electrical Conductivity (umhos/cm), SW1
- -□- - Electrical Conductivity_HARRIETSFIELD WS BACKGROUND LEVEL

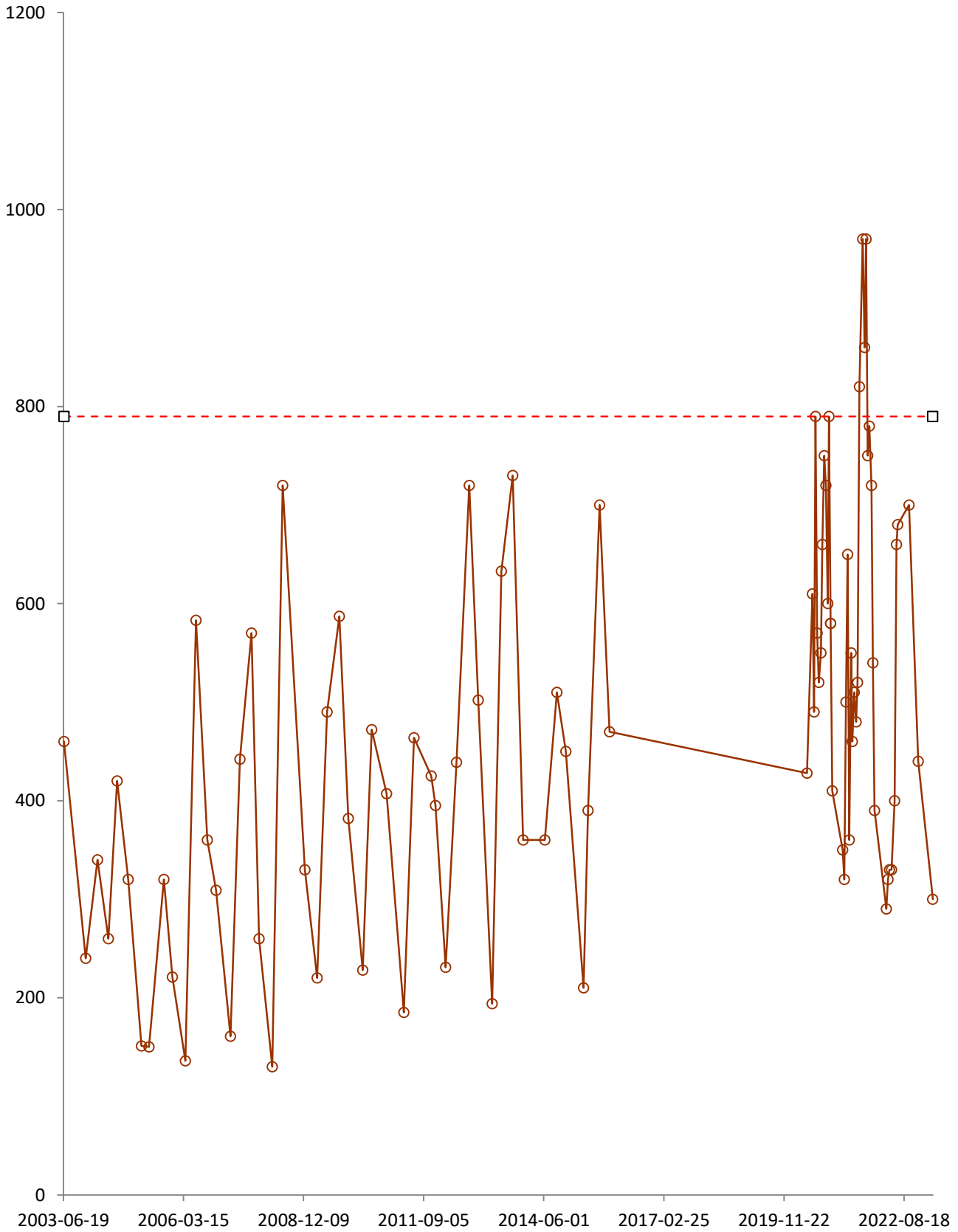




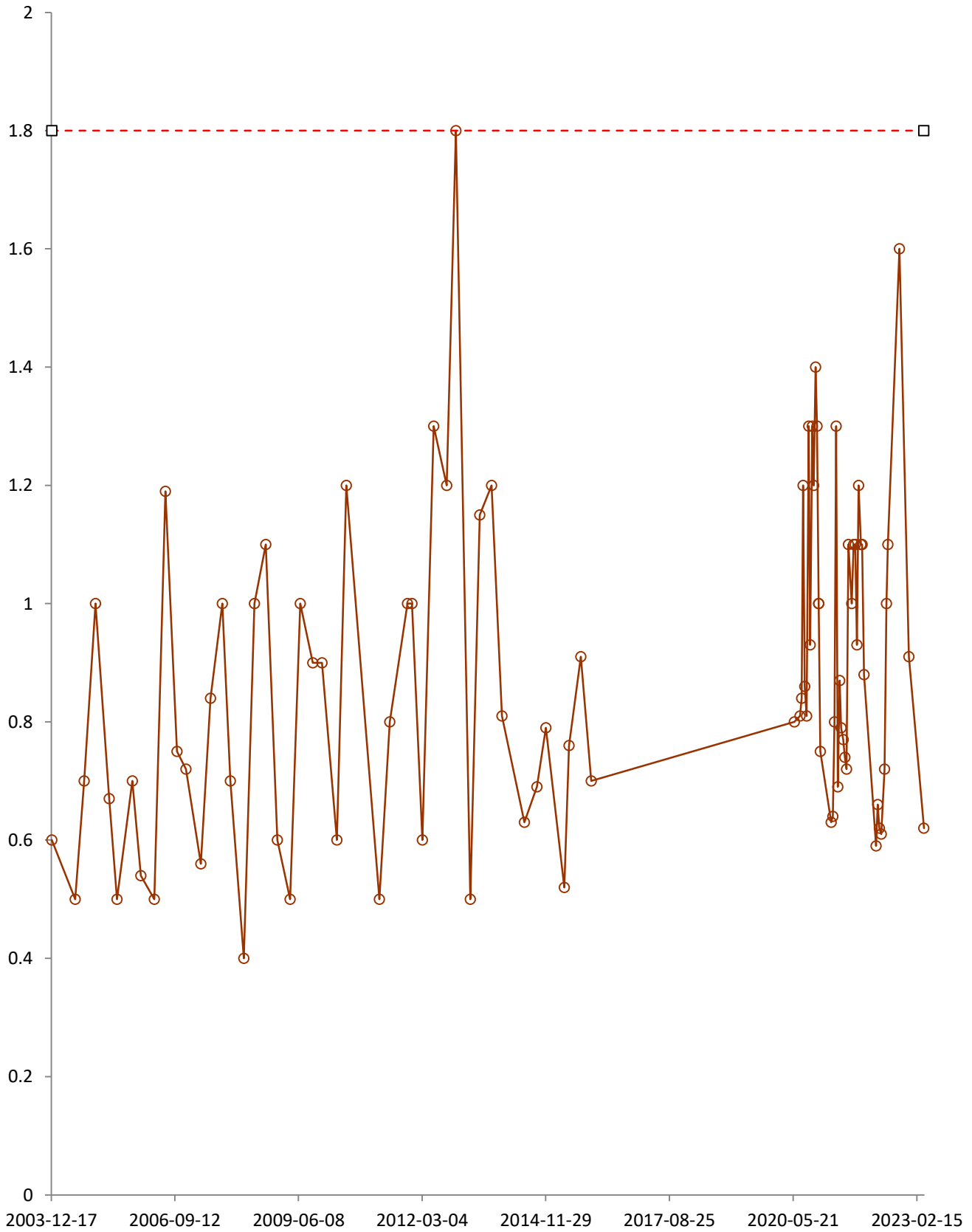
—○— Hardness (as CaCO3) (mg/l), SW1 - -□- - Hardness (as CaCO3)_HARRIETSFIELD WS BACKGROUND LEVEL

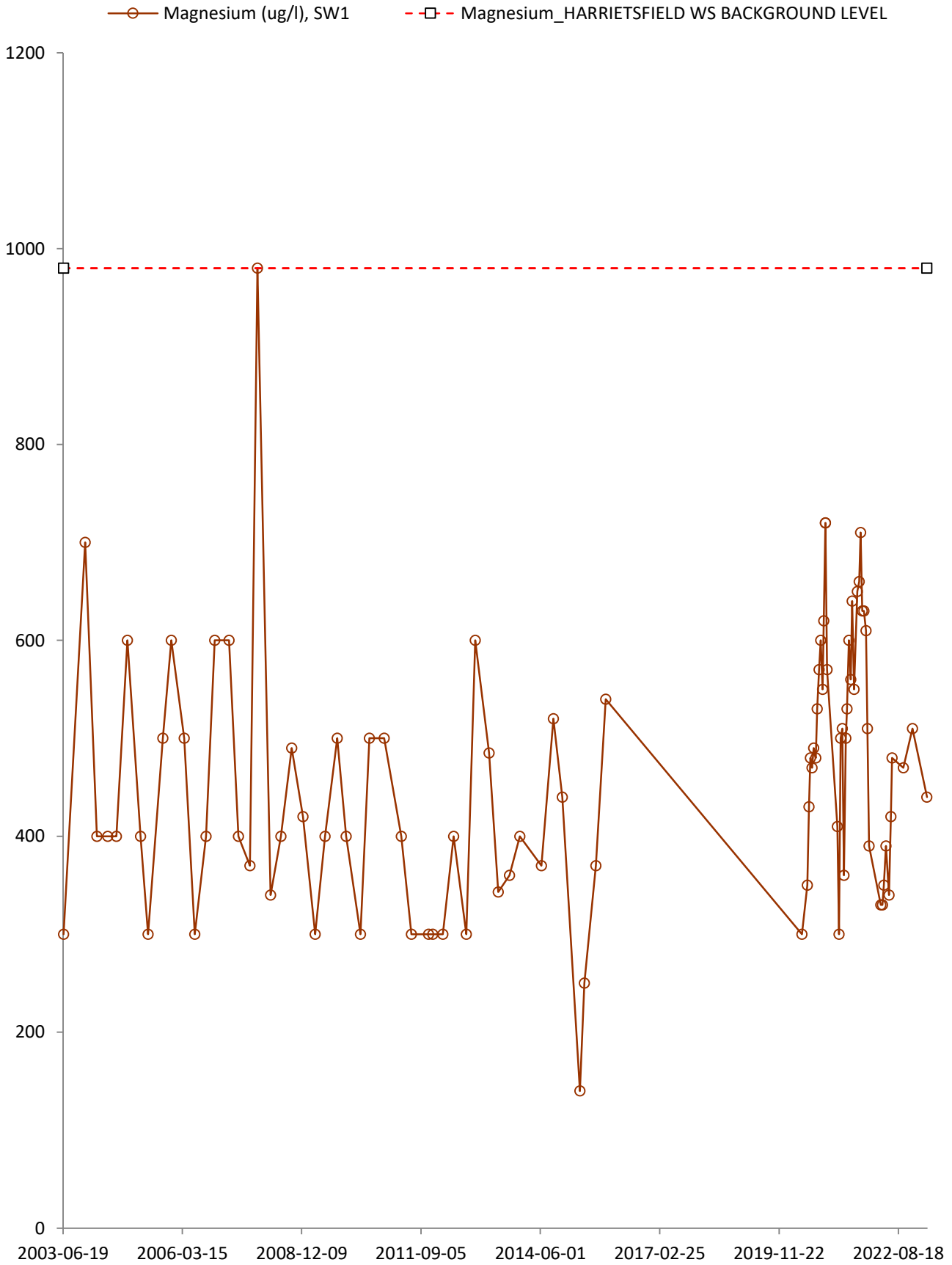


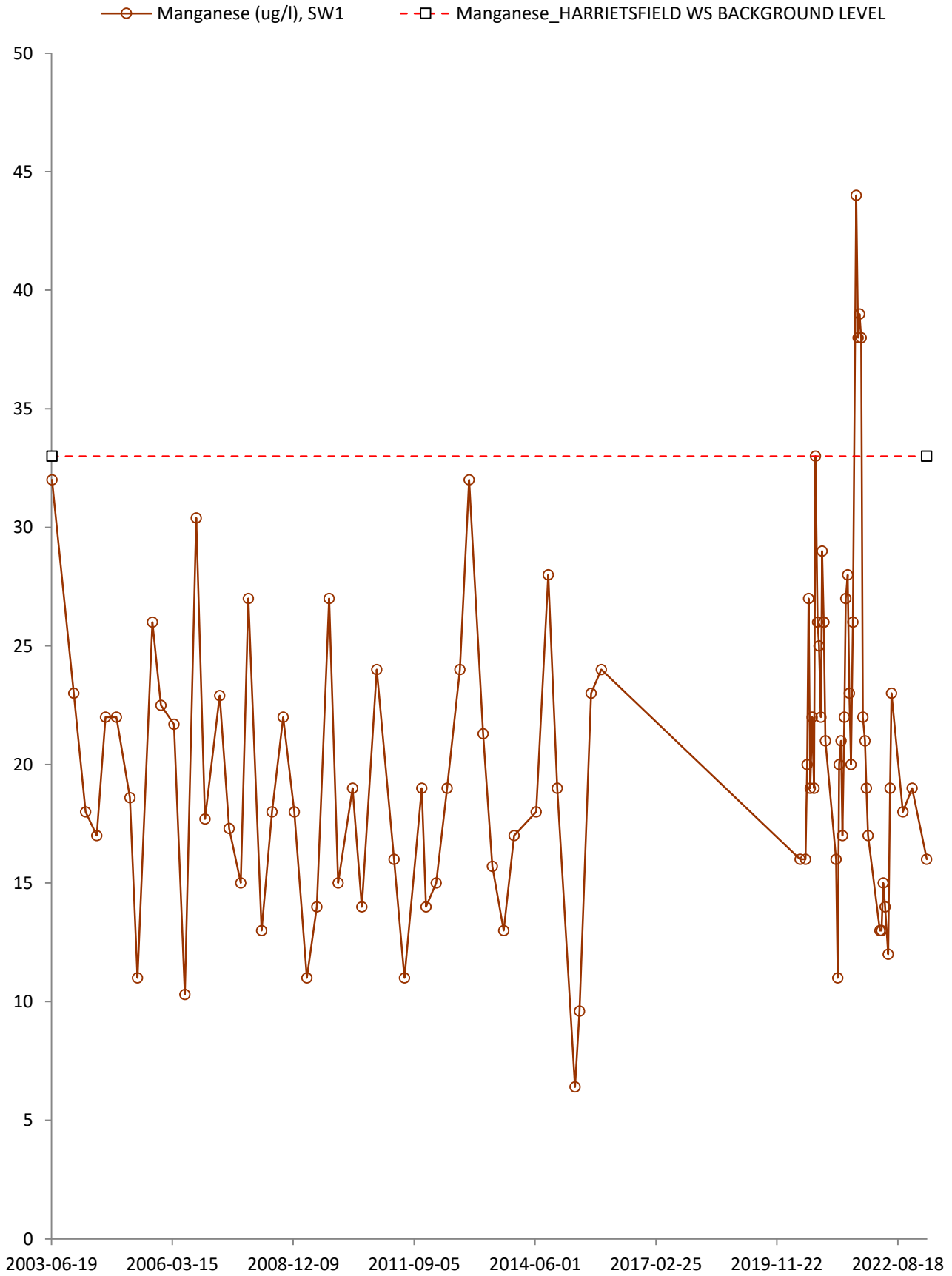
—○— Iron (ug/l), SW1 - - □ - - Iron_HARRIETSFIELD WS BACKGROUND LEVEL



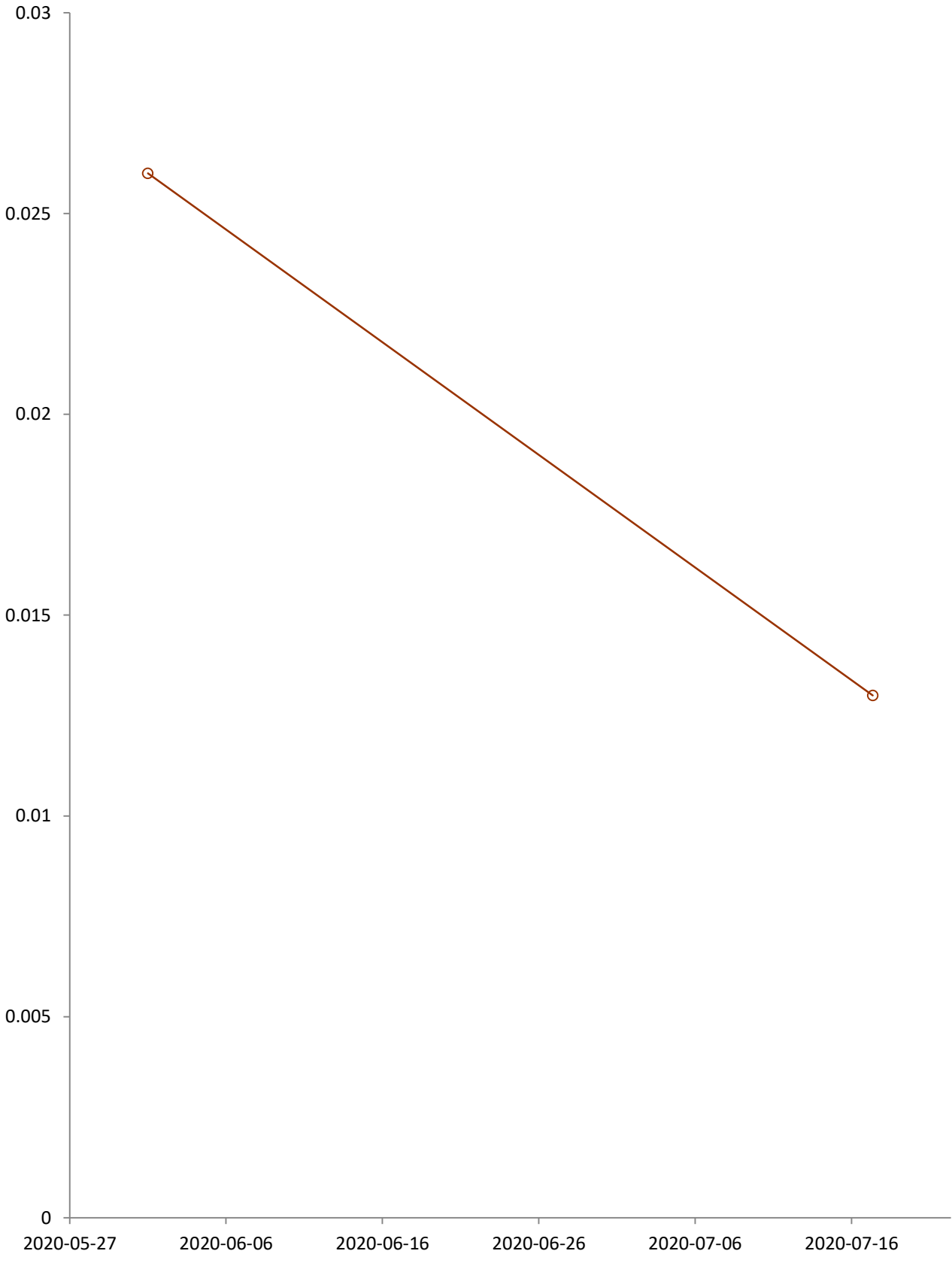
—○— Lead (ug/l), SW1 - -□- - Lead_HARRIETSFIELD WS BACKGROUND LEVEL

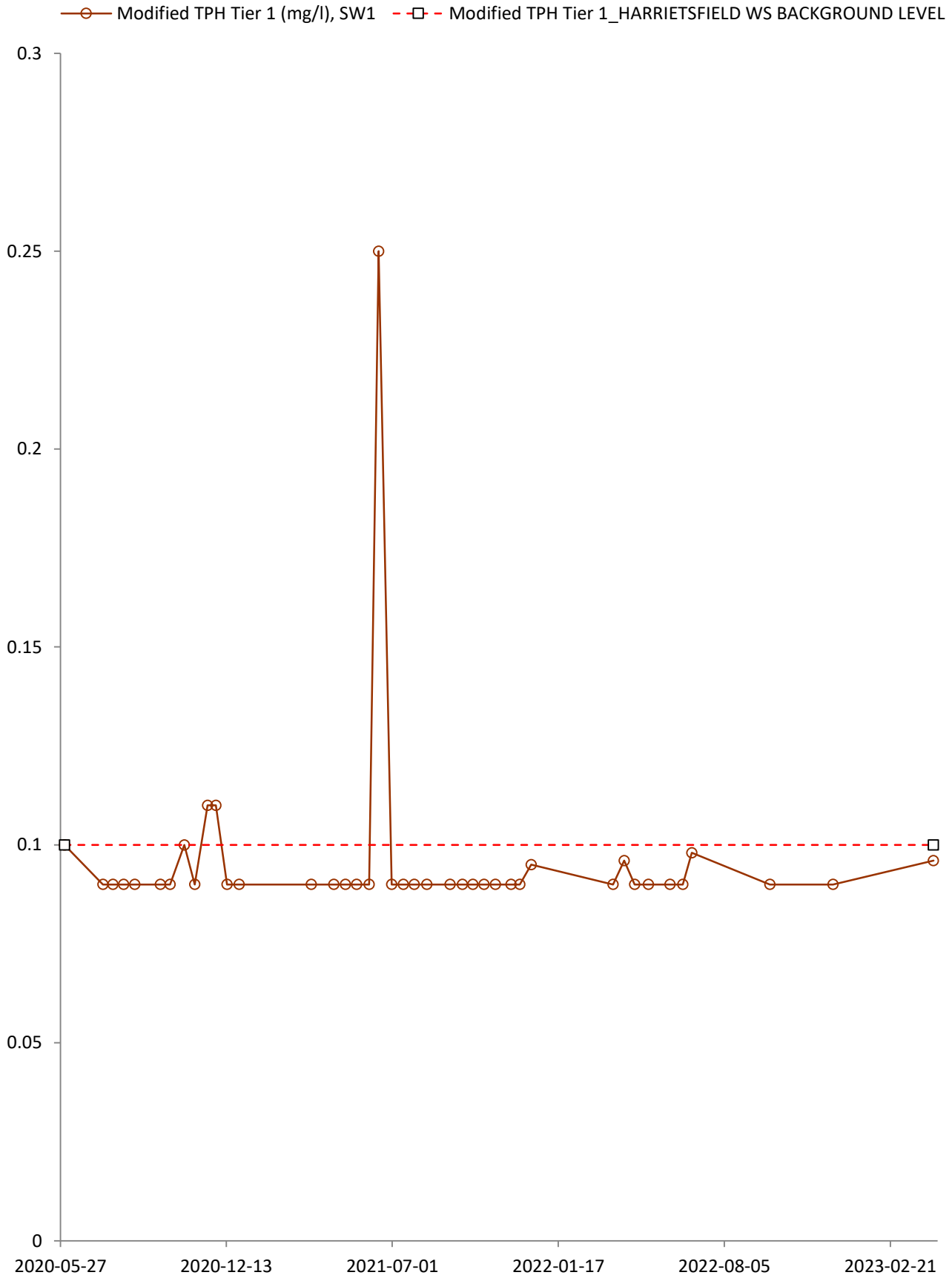


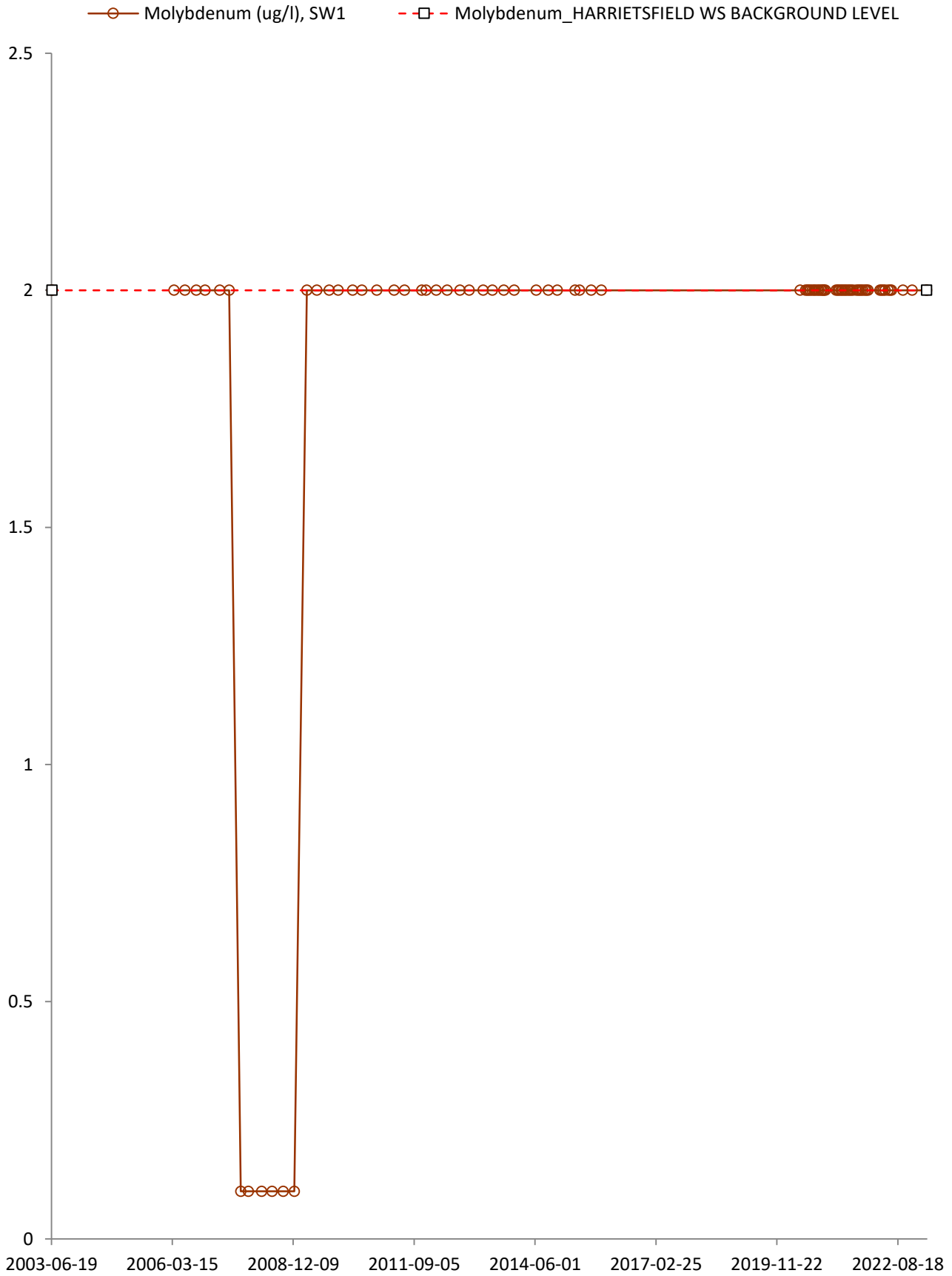


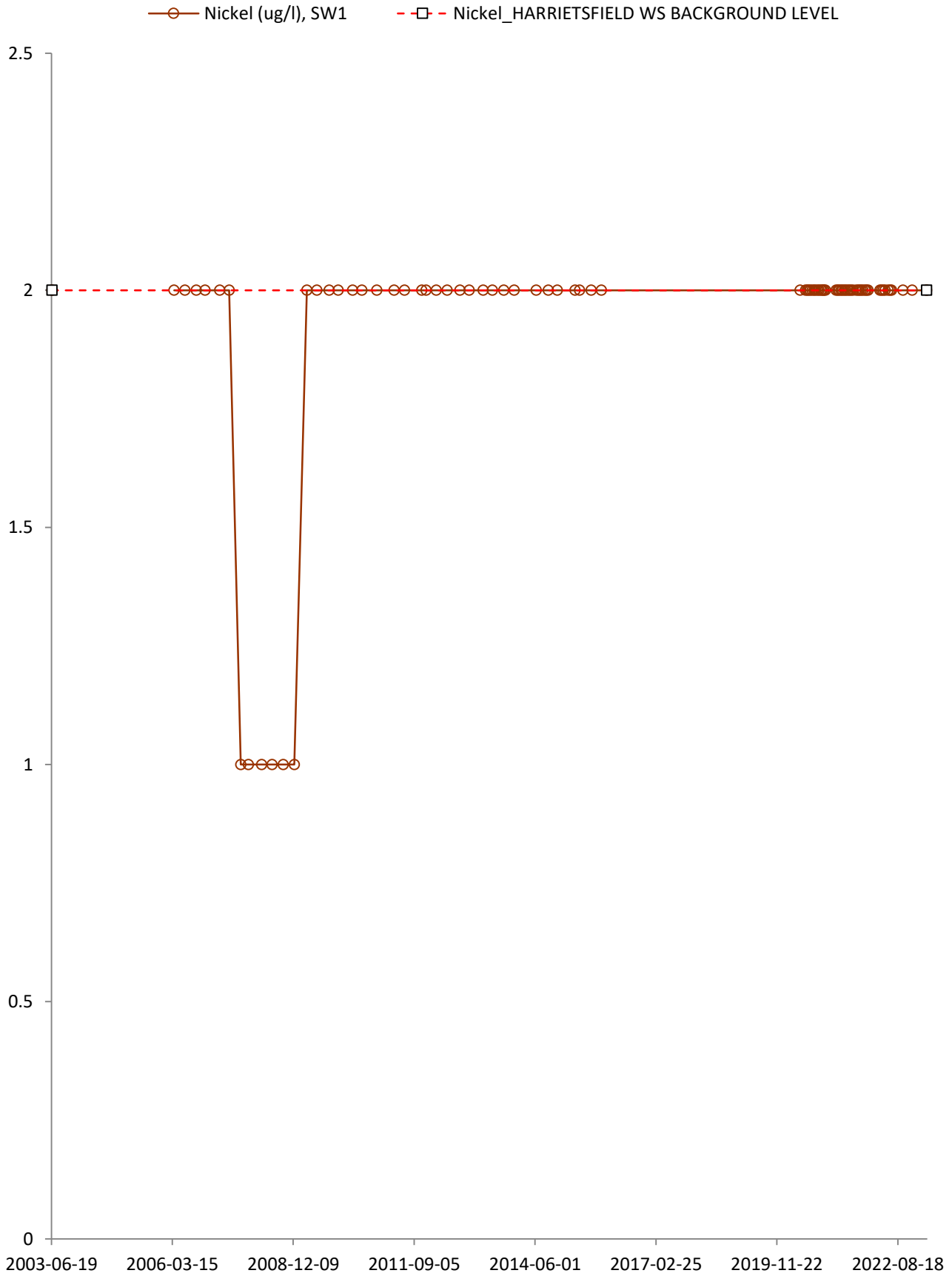


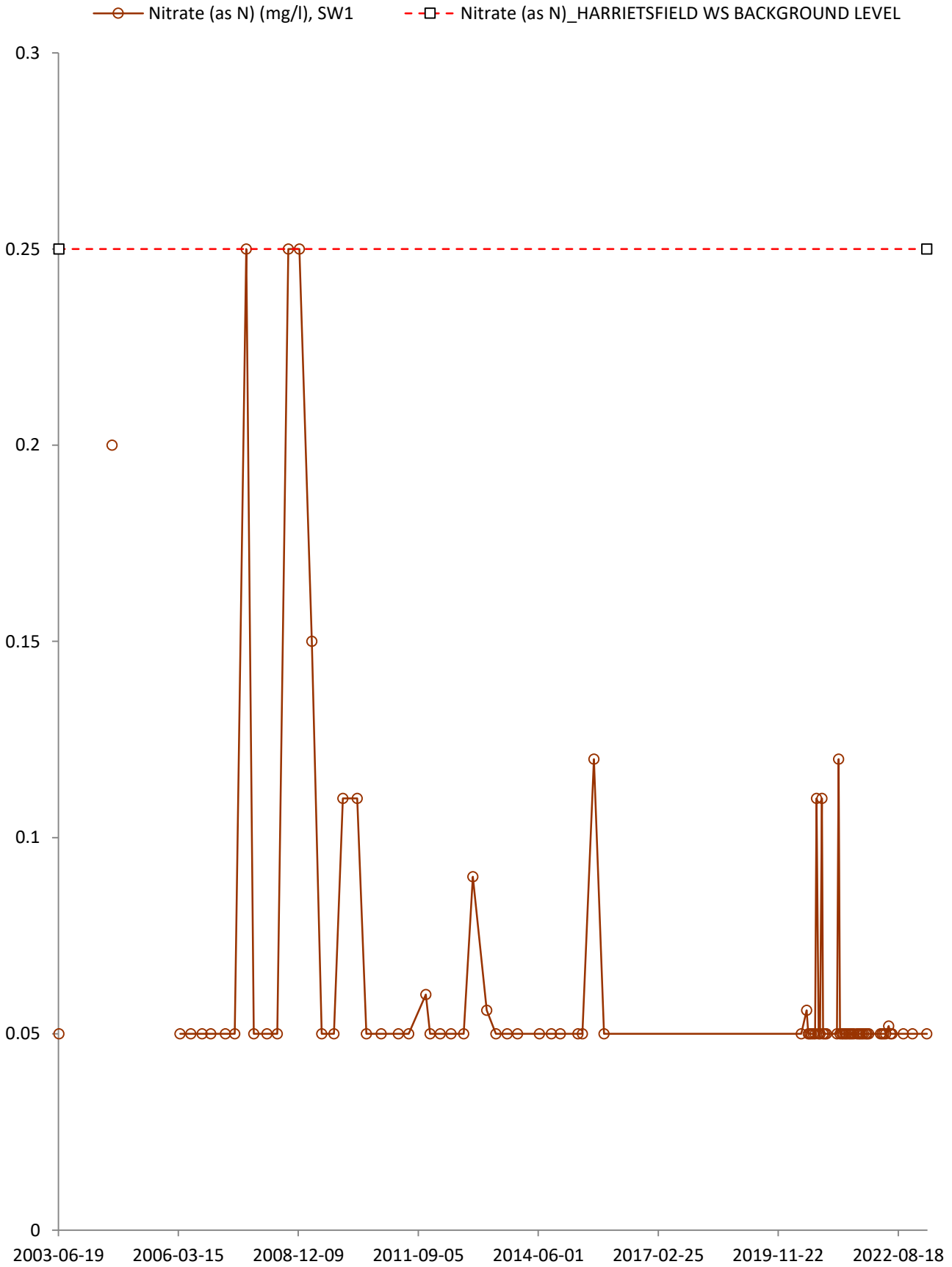
Mercury (ug/l), SW1



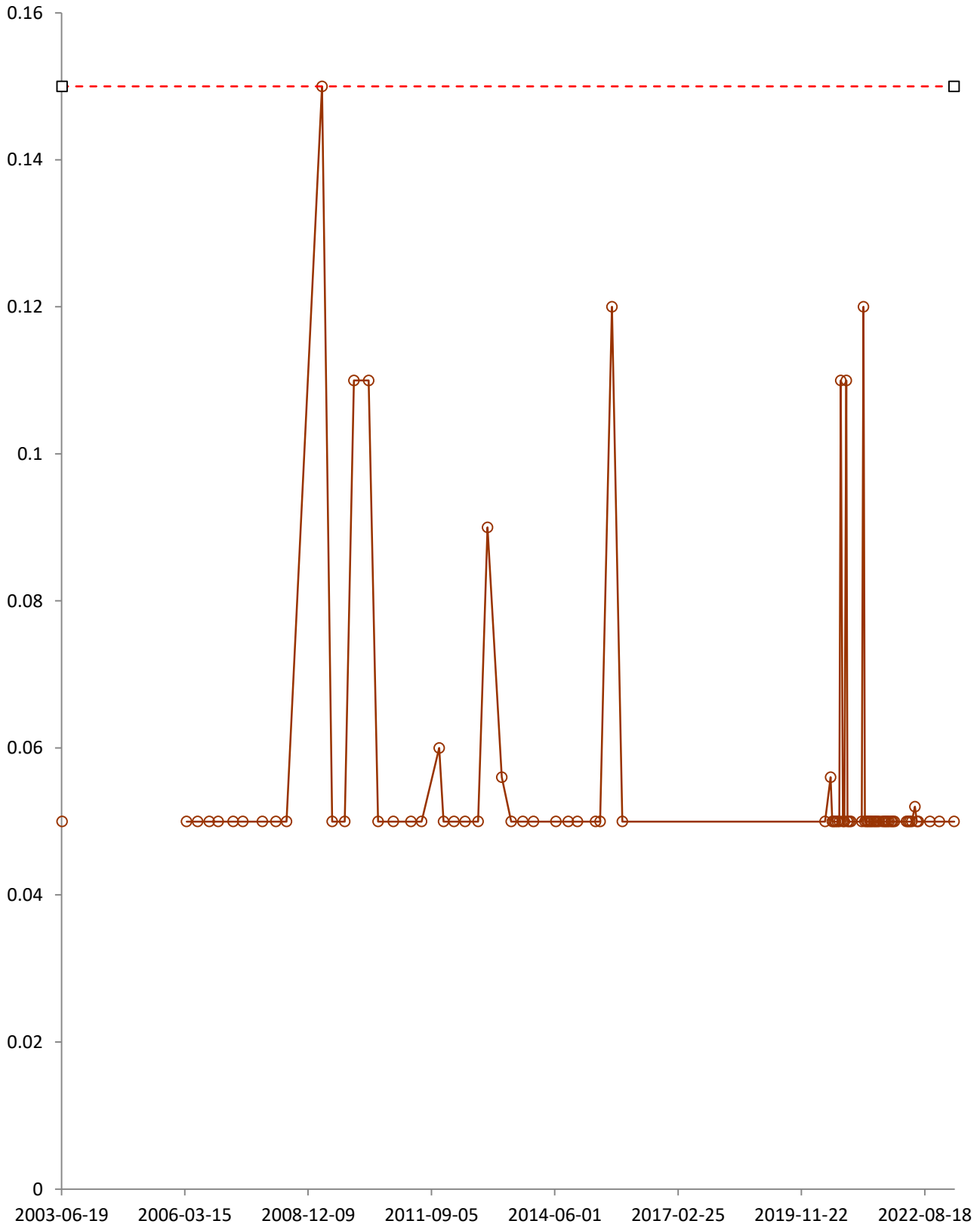


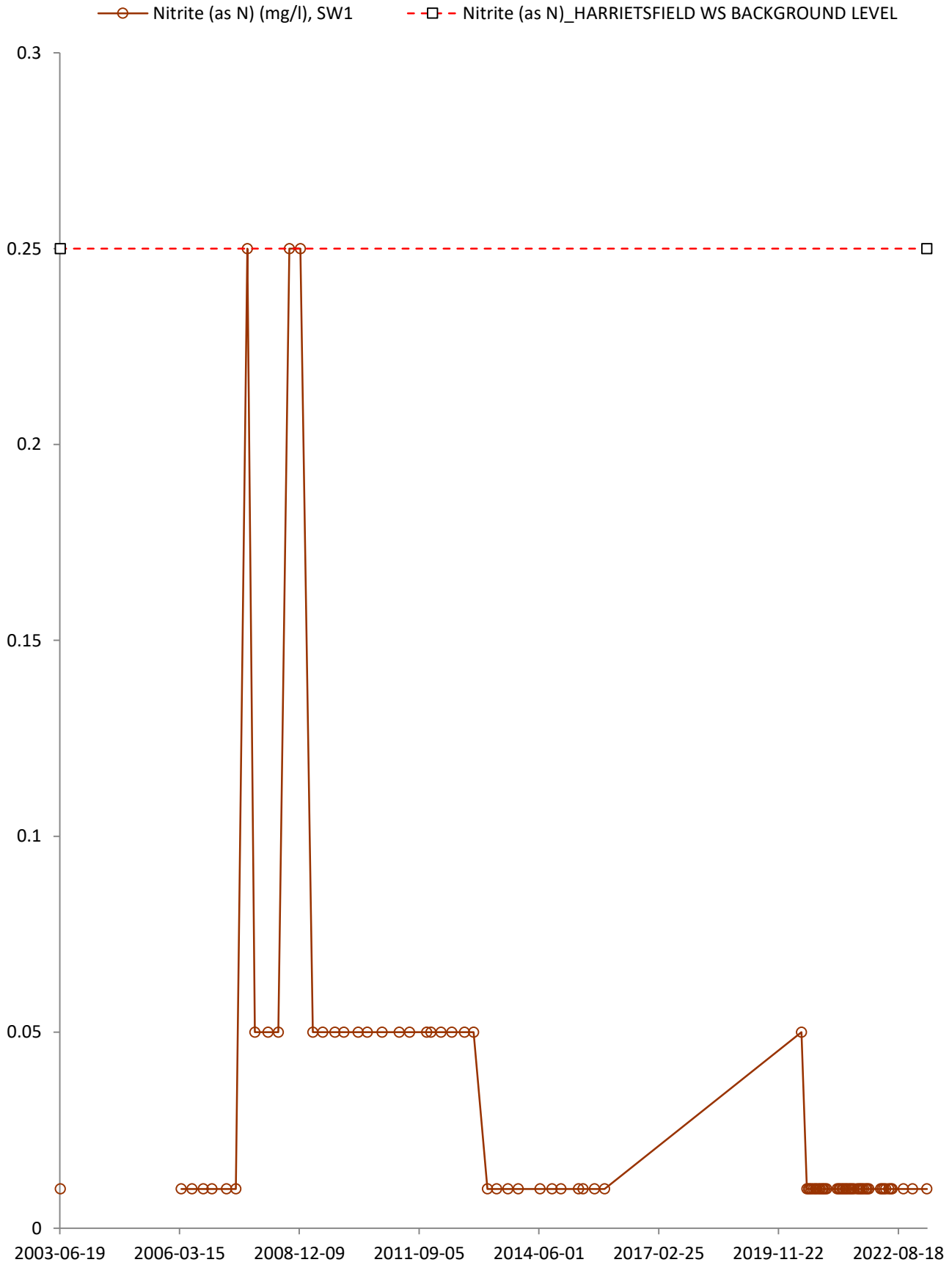




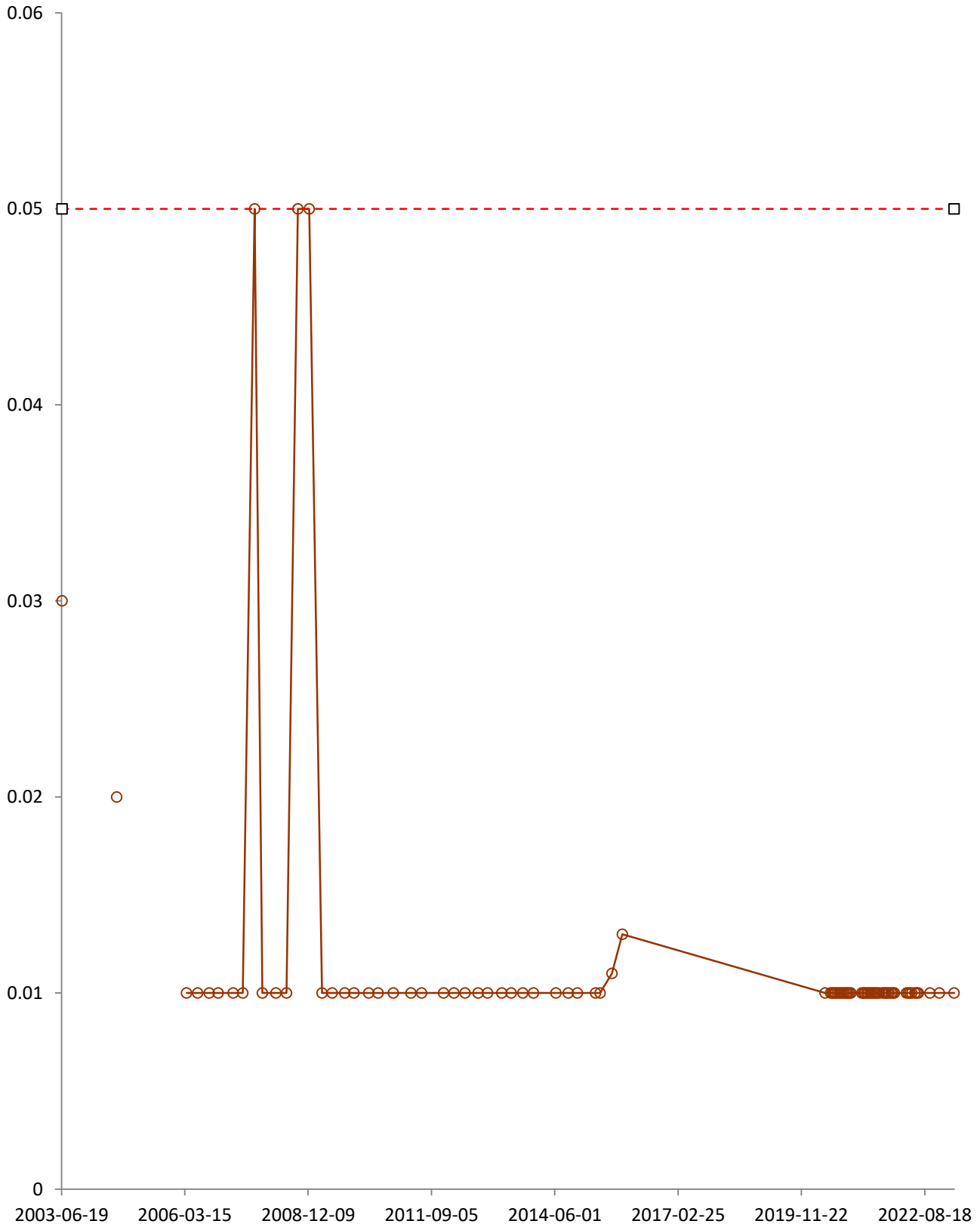


—○— Nitrate plus Nitrite (N) (mg/l), SW1
- -□- - Nitrate plus Nitrite (N)_HARRIETSFIELD WS BACKGROUND LEVEL

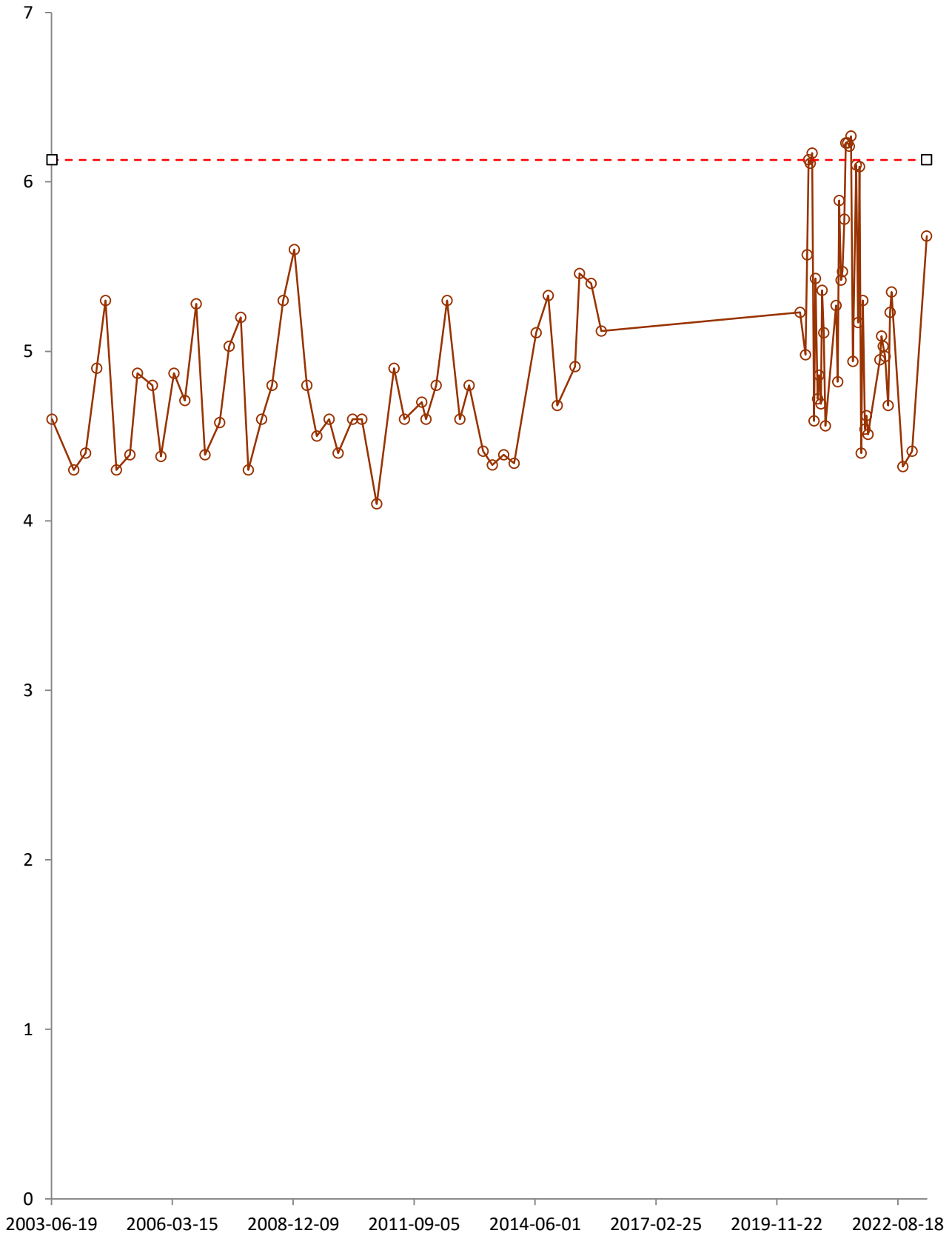


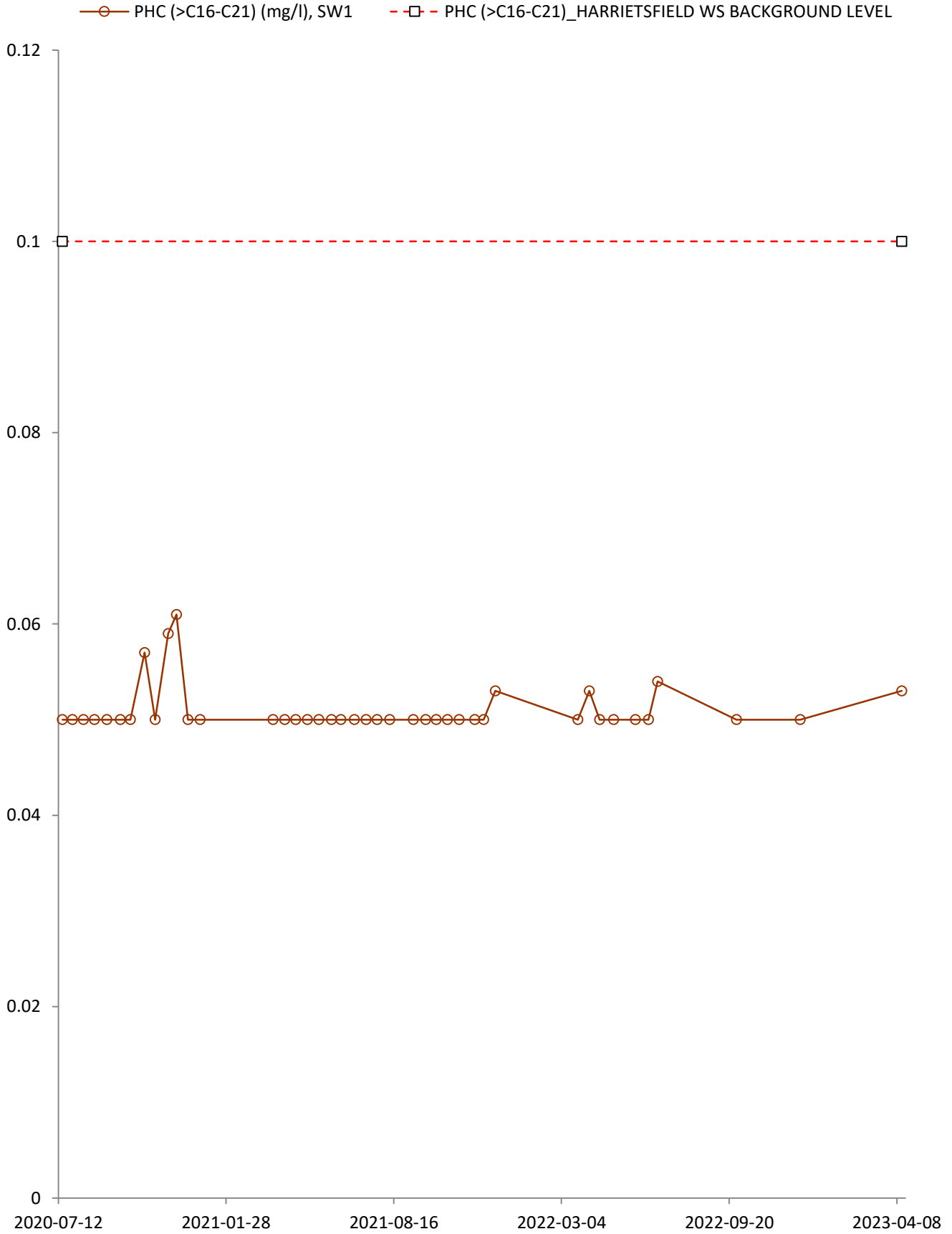


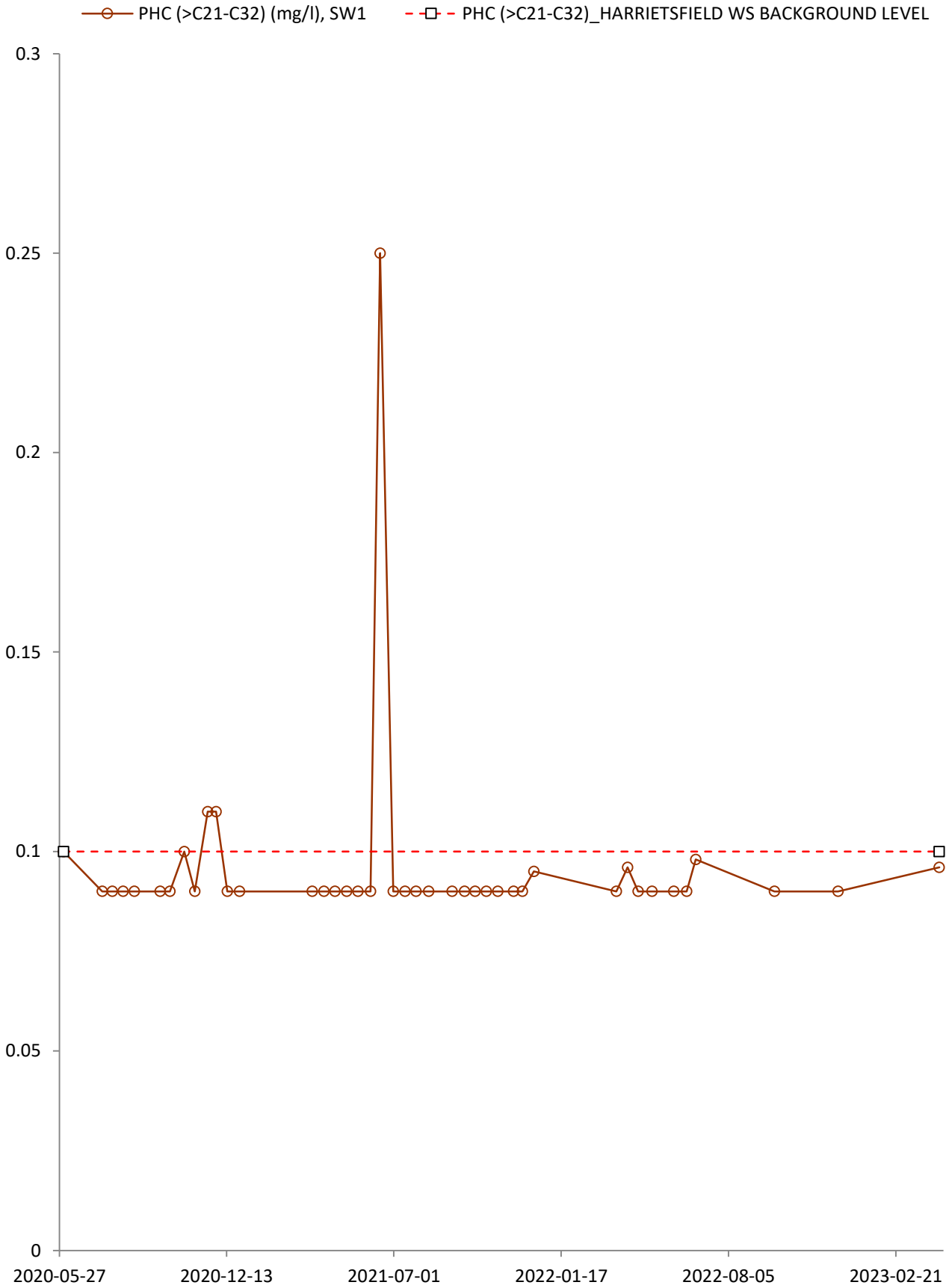
- Orthophosphate(as P) (mg/l), SW1
- -□- - Orthophosphate(as P)_HARRIETSFIELD WS BACKGROUND LEVEL



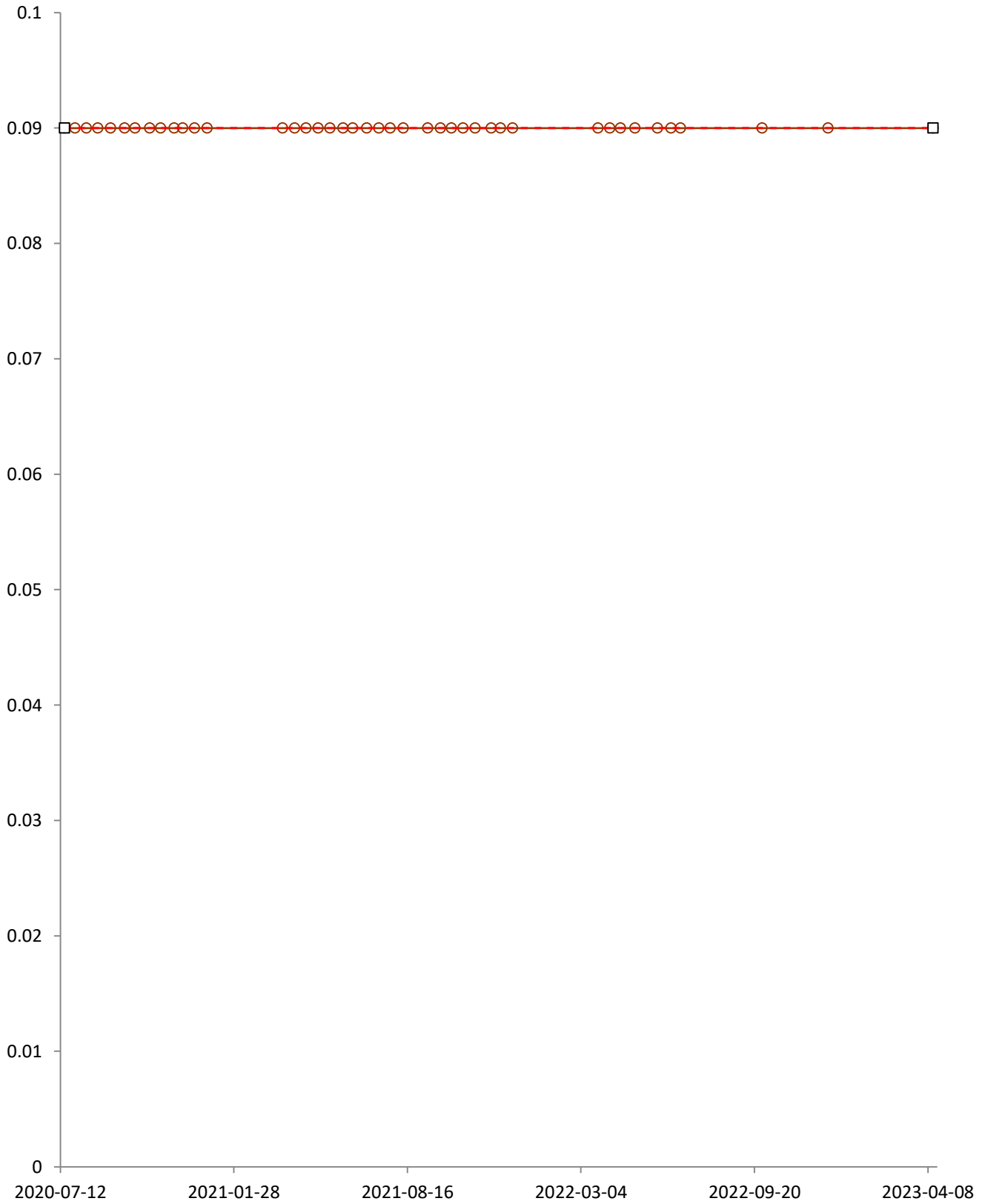
—○— pH, Lab (ph units), SW1 - -□- - pH, Lab_HARRIETSFIELD WS BACKGROUND LEVEL

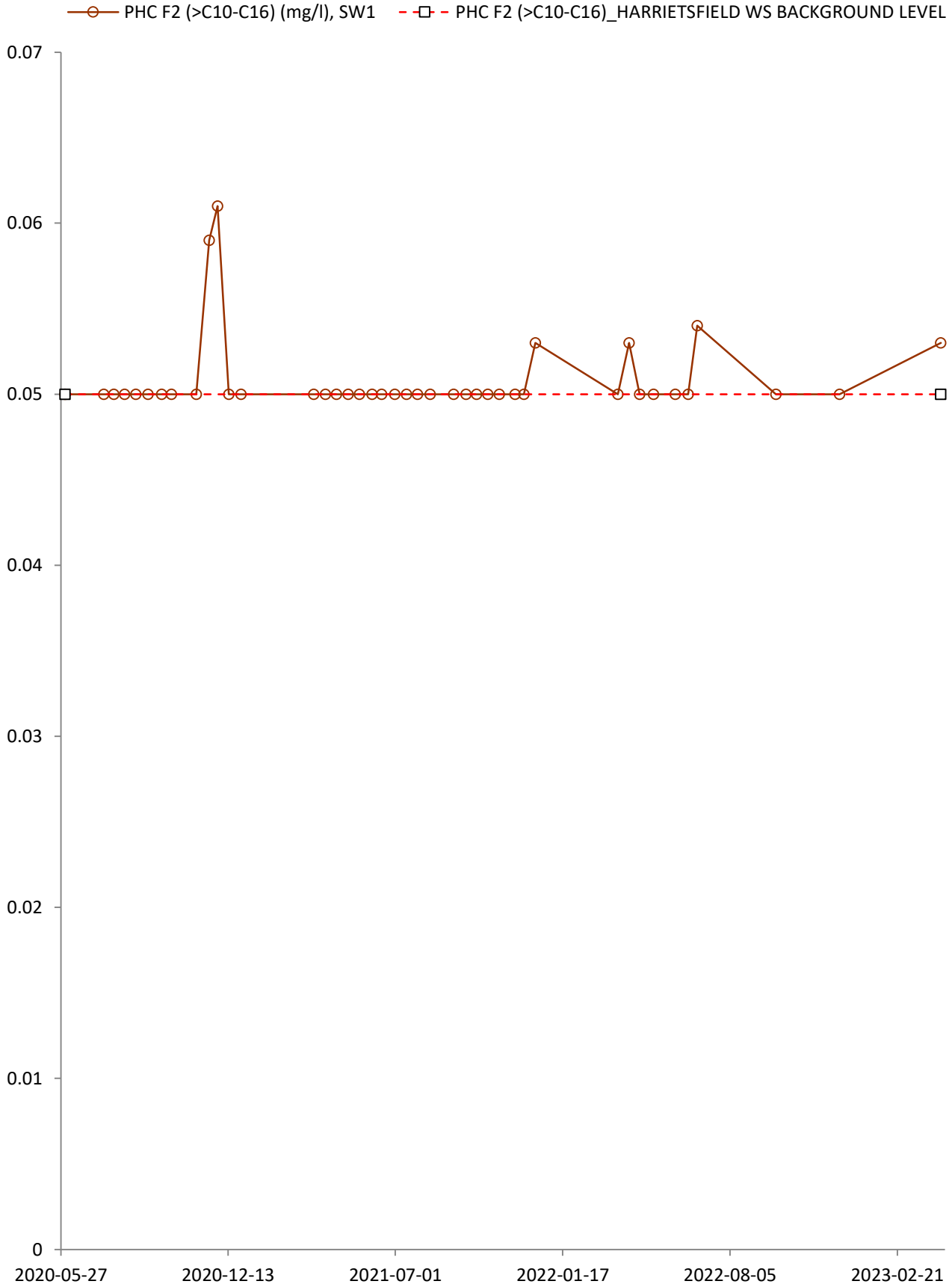


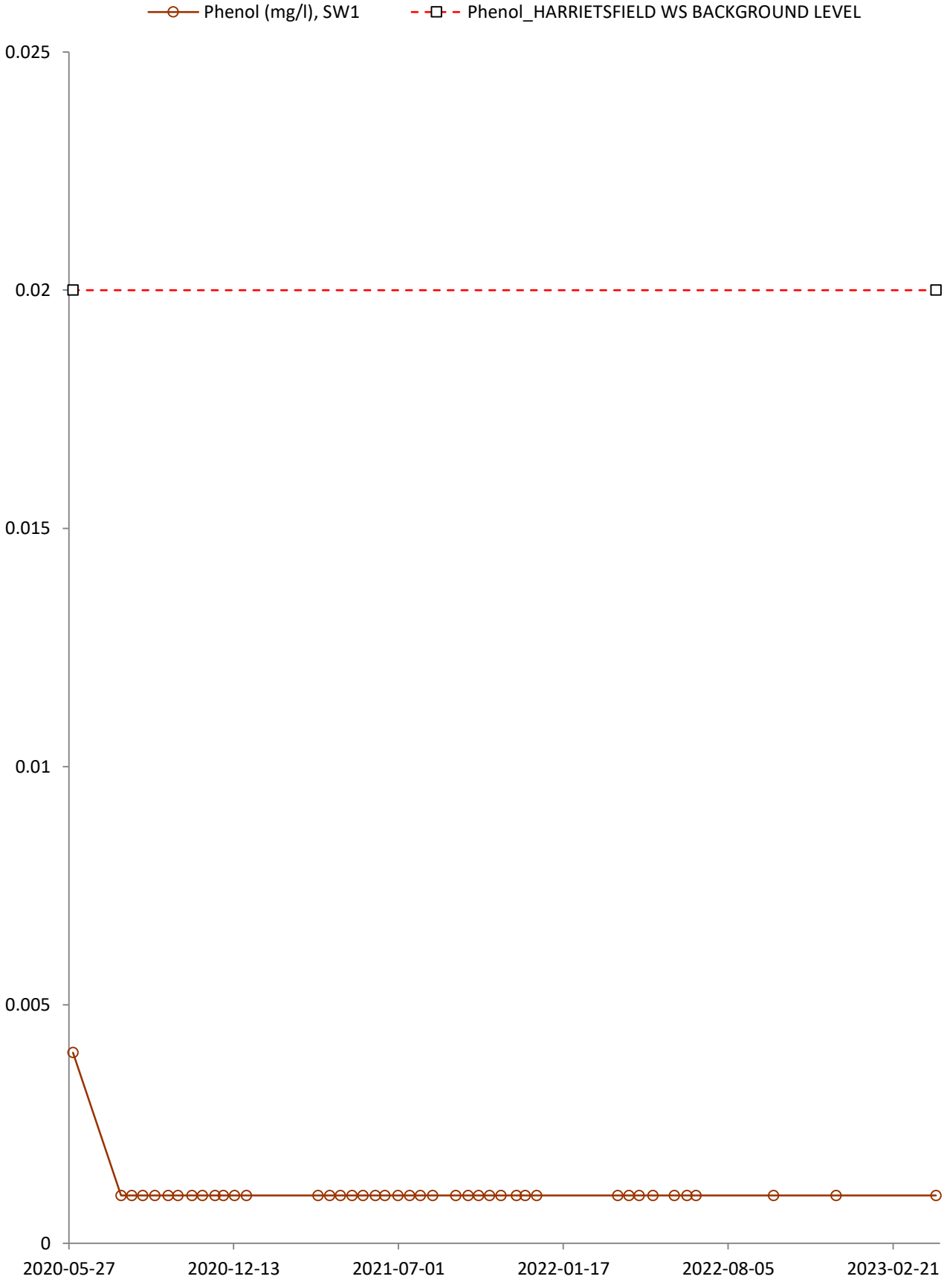


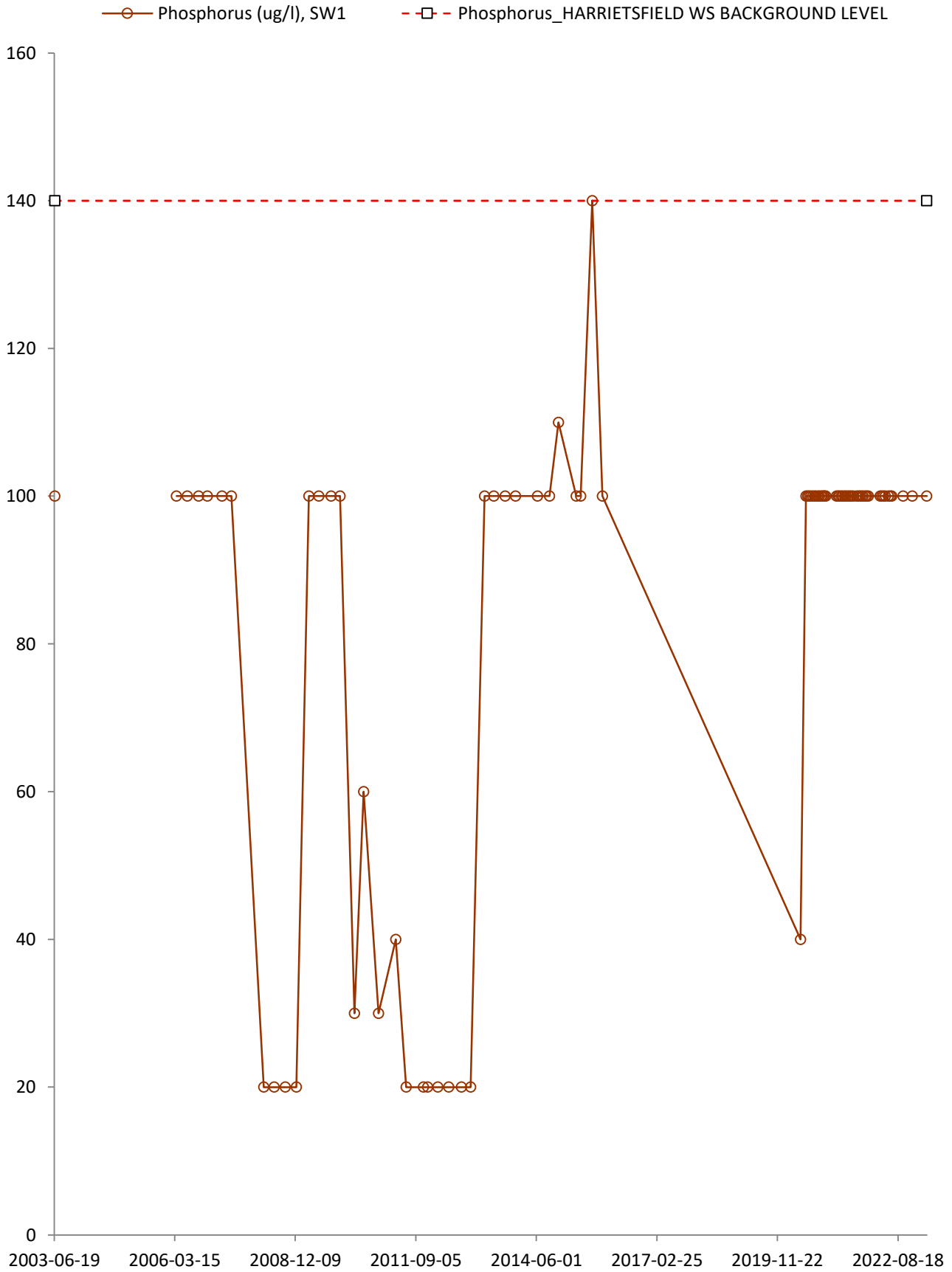


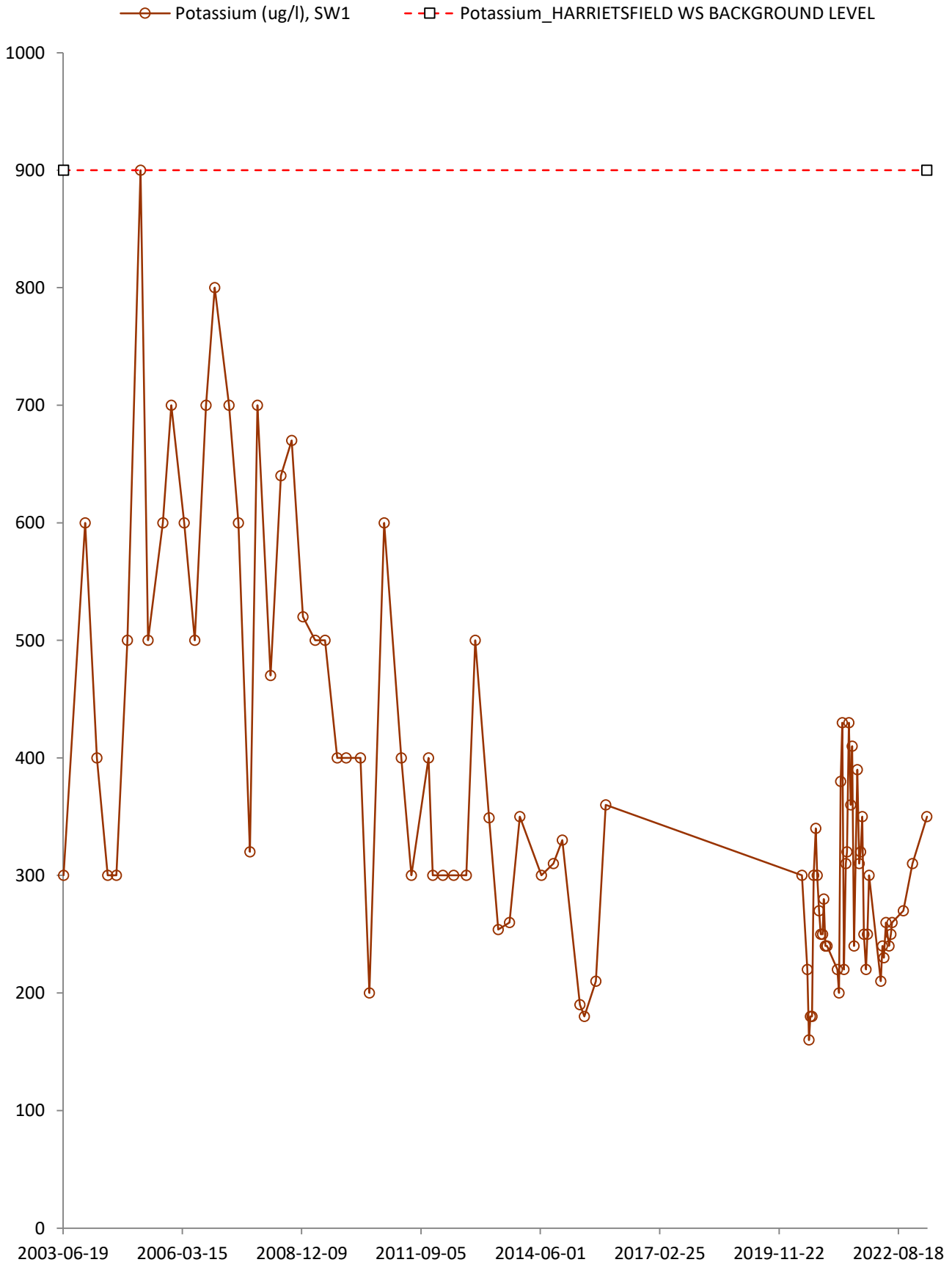
—○— PHC F1 (C6-C10) min BTEX (mg/l), SW1
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WS BACKGROUND LEVEL



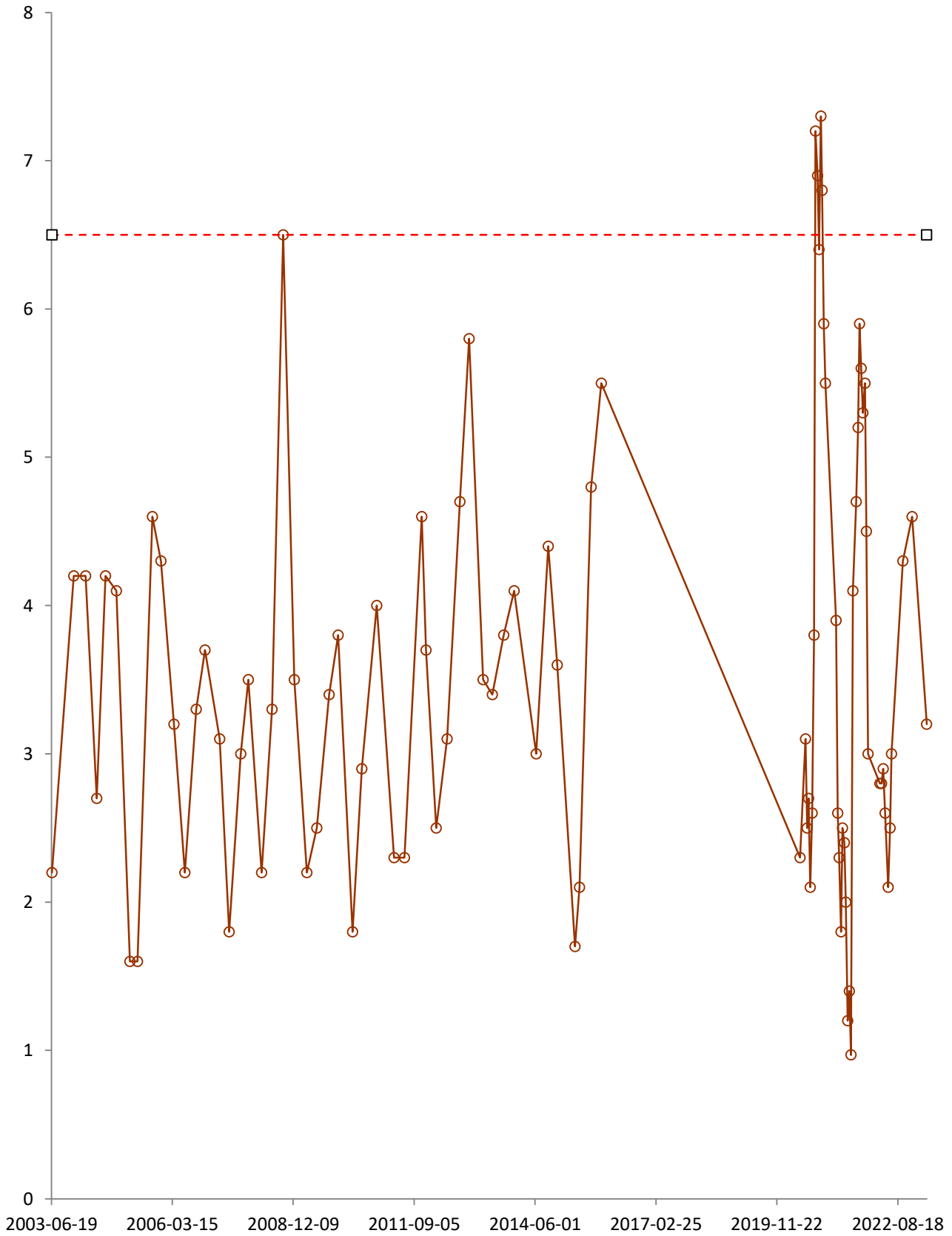




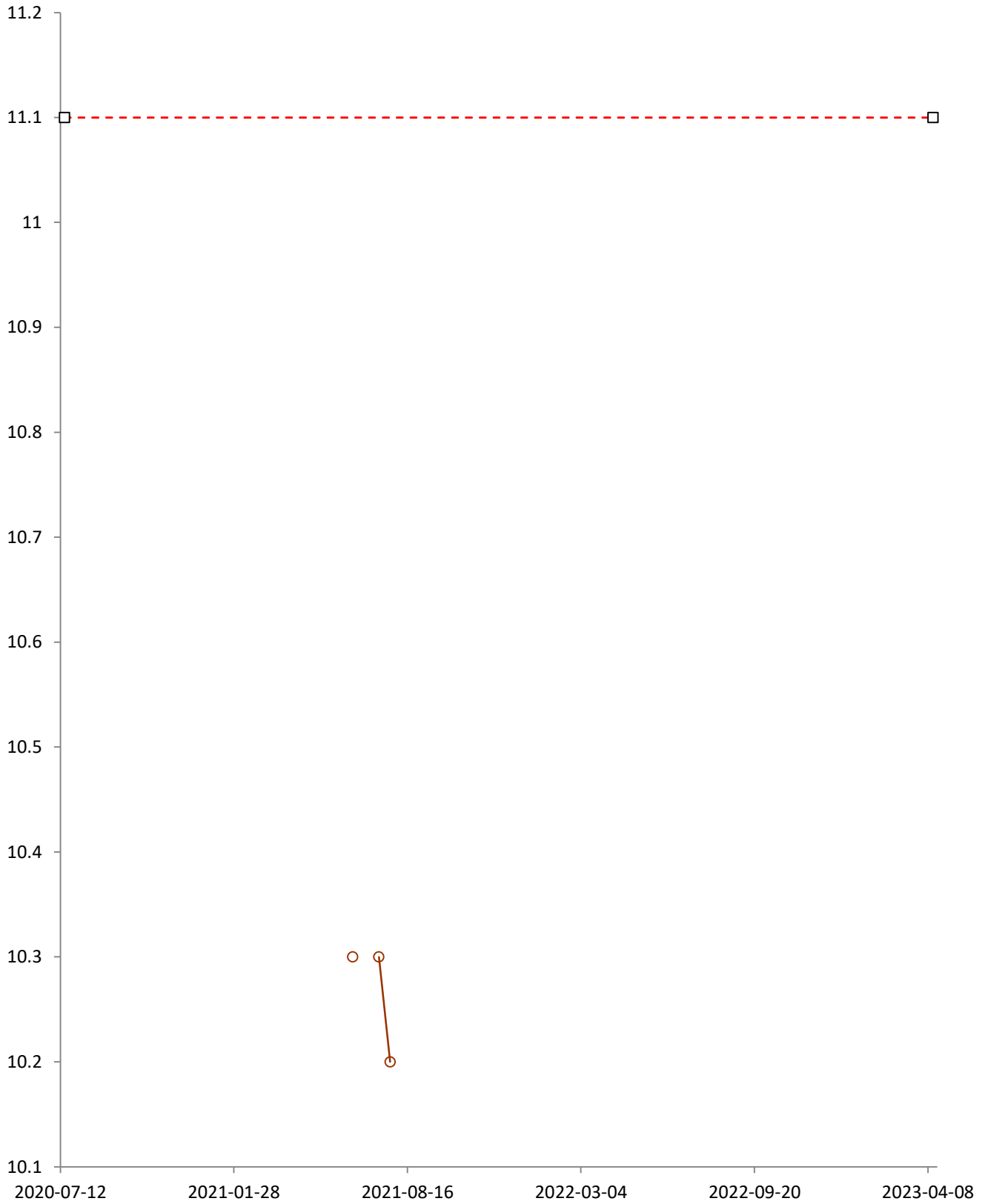


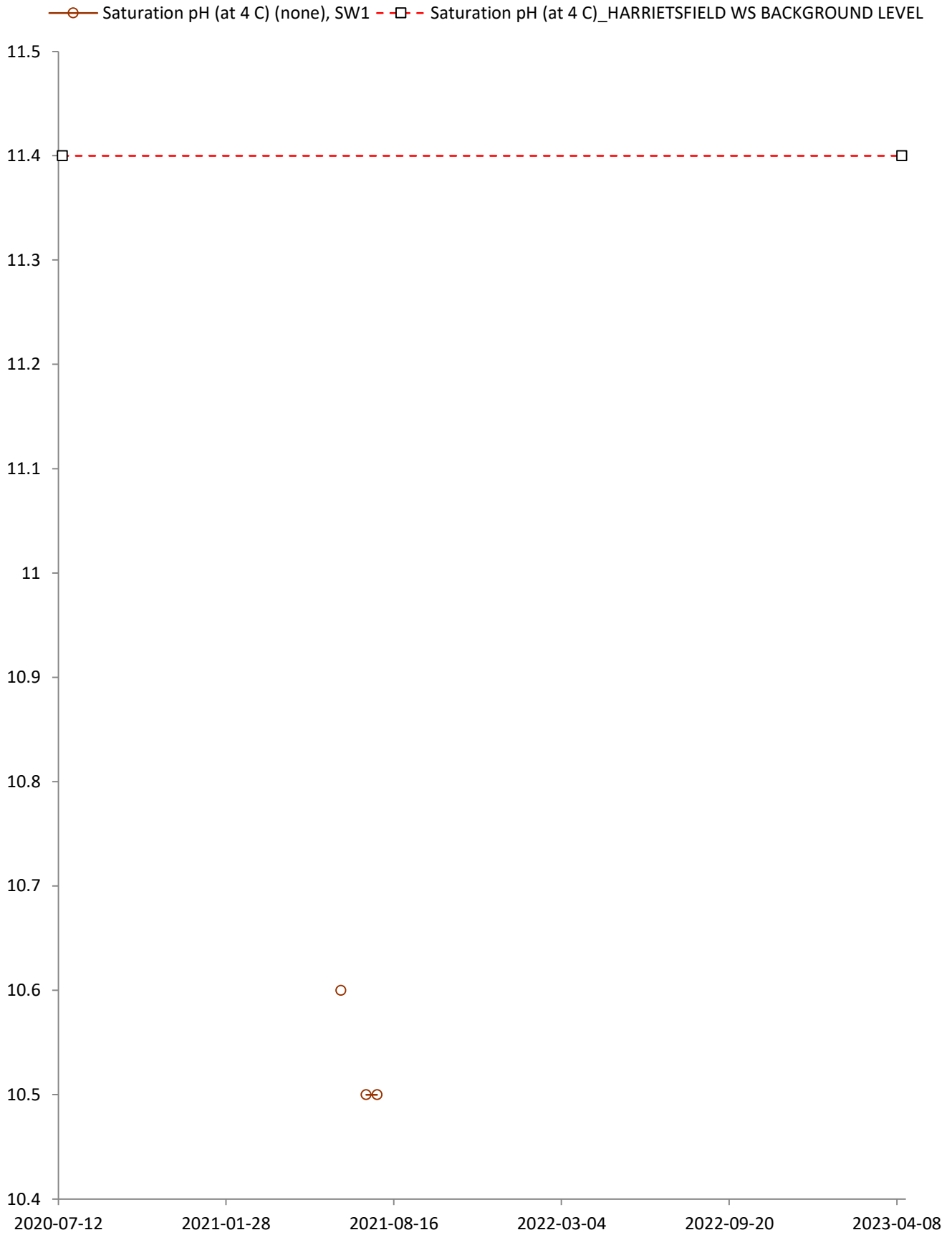


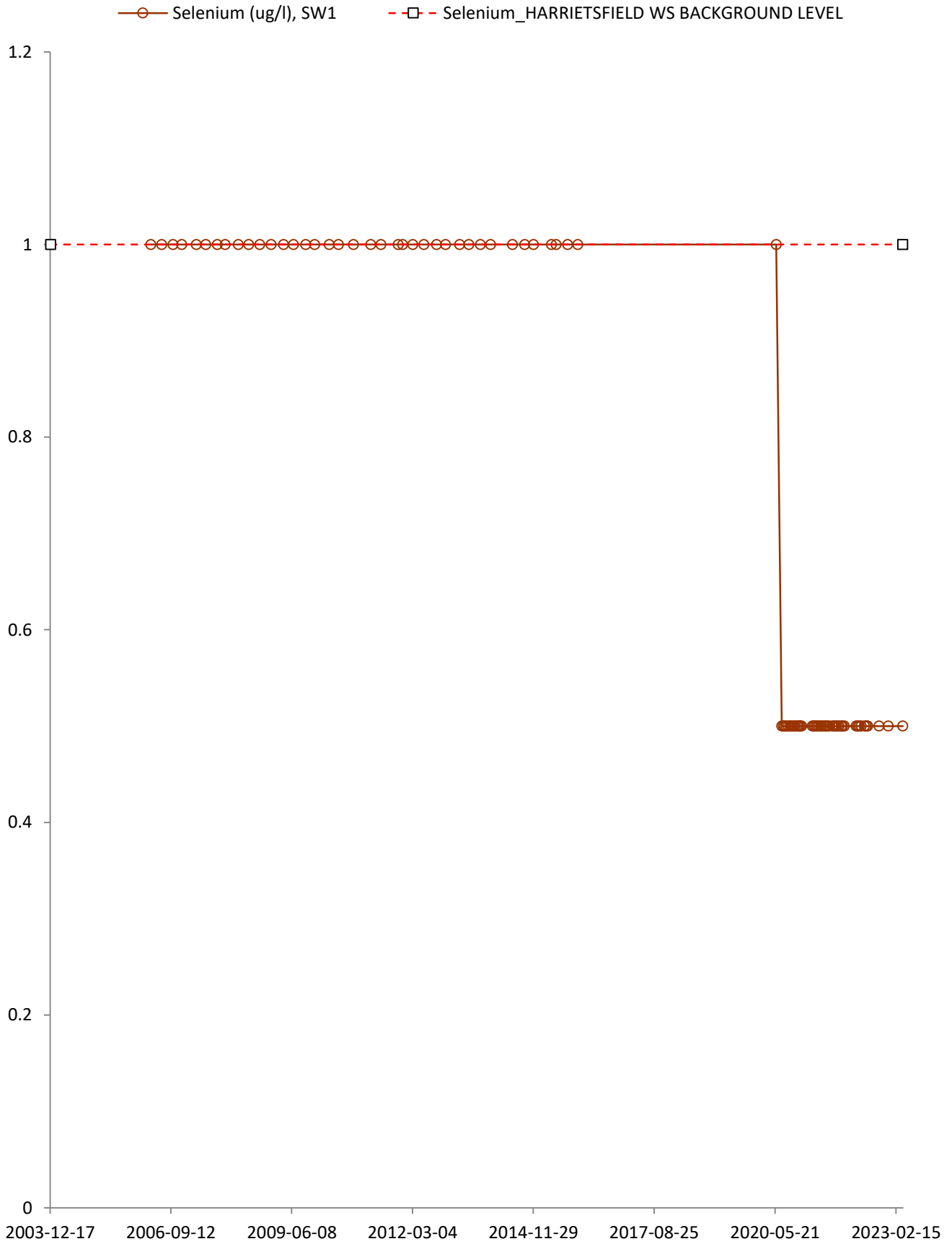
—○— Reactive Silica (SiO₂) (mg/l), SW1 - -□- - Reactive Silica (SiO₂)_HARRIETSFIELD WS BACKGROUND LEVEL

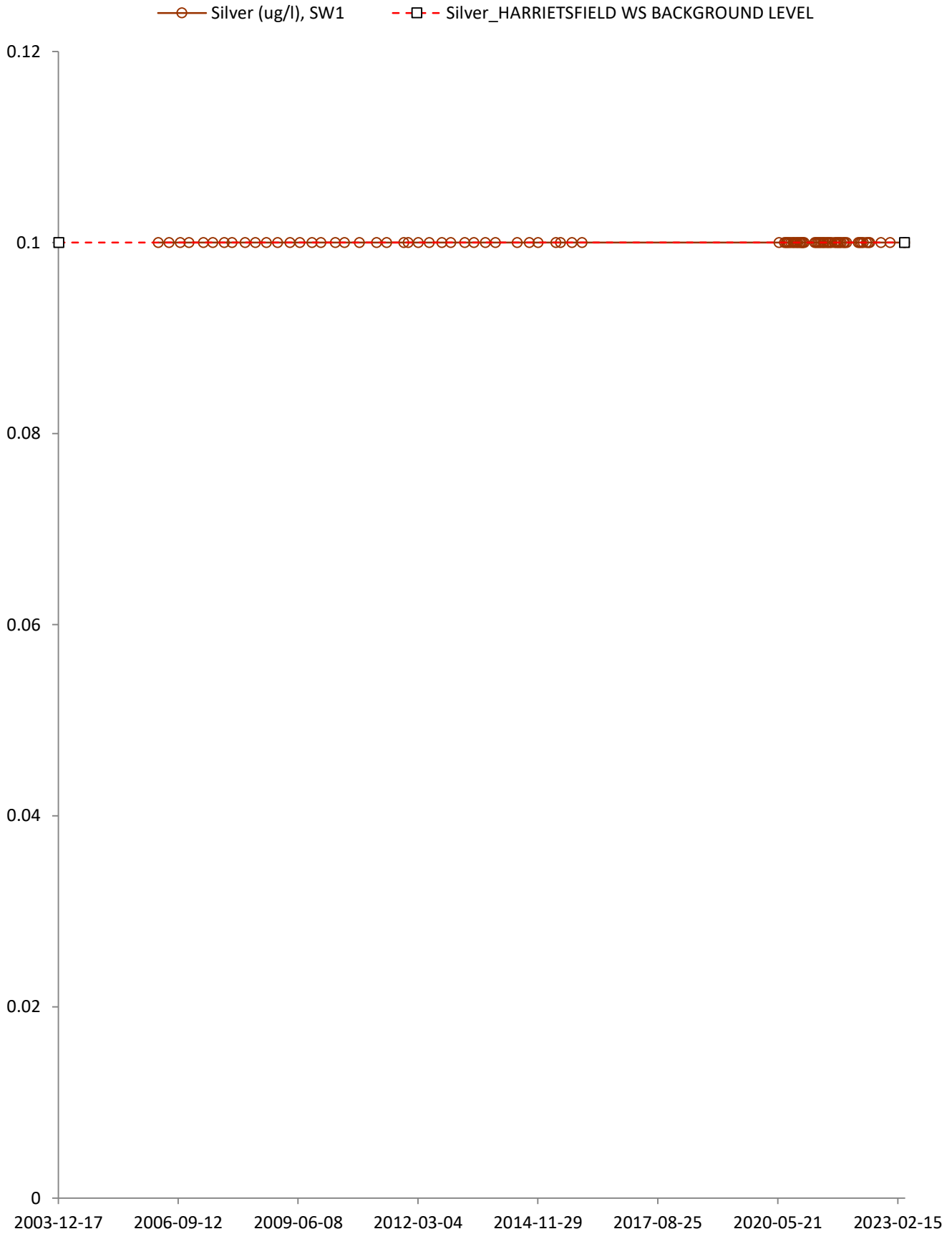


- Saturation pH (at 20 C) (none), SW1
- -□- - Saturation pH (at 20 C)_HARRIETSFIELD WS BACKGROUND LEVEL

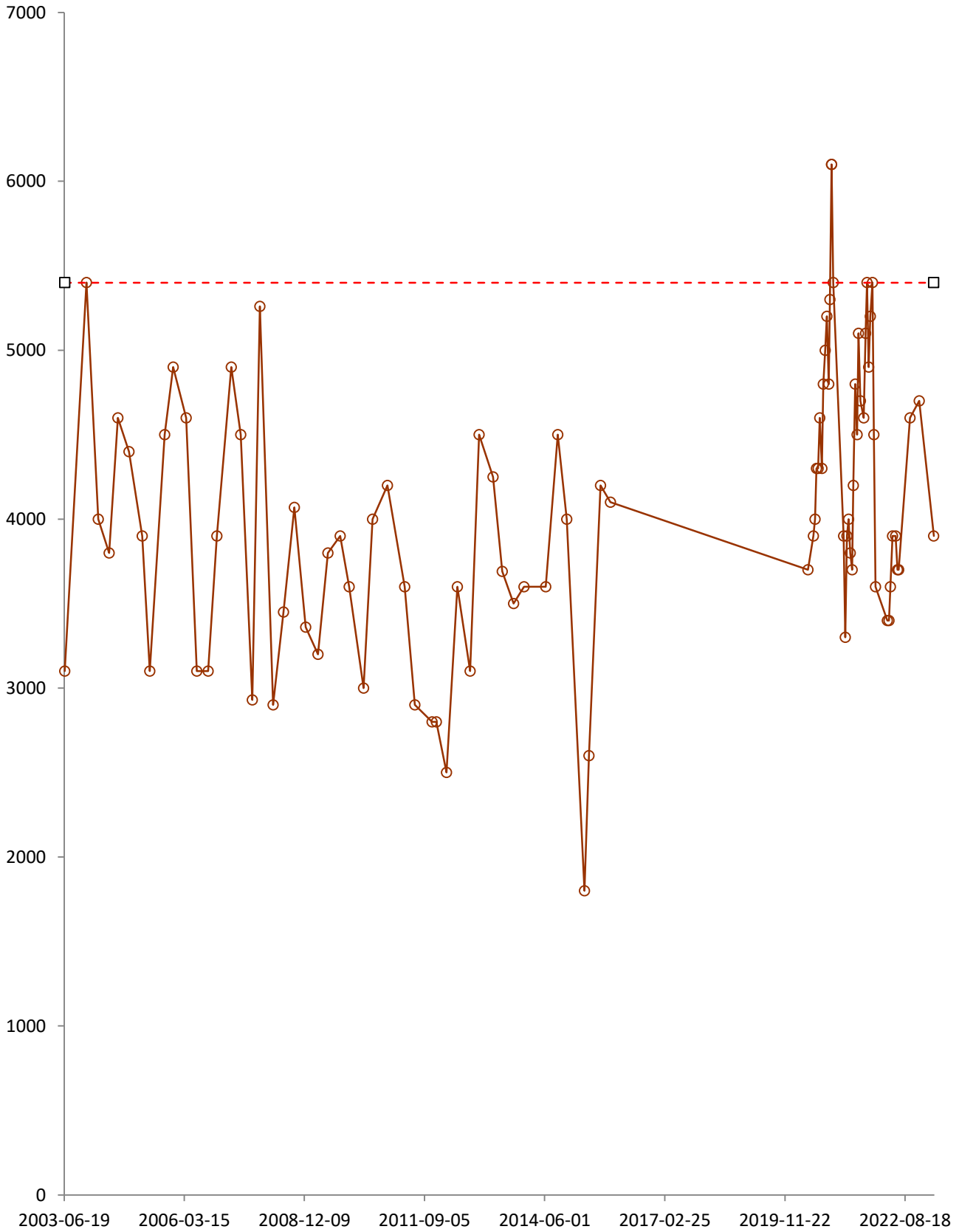


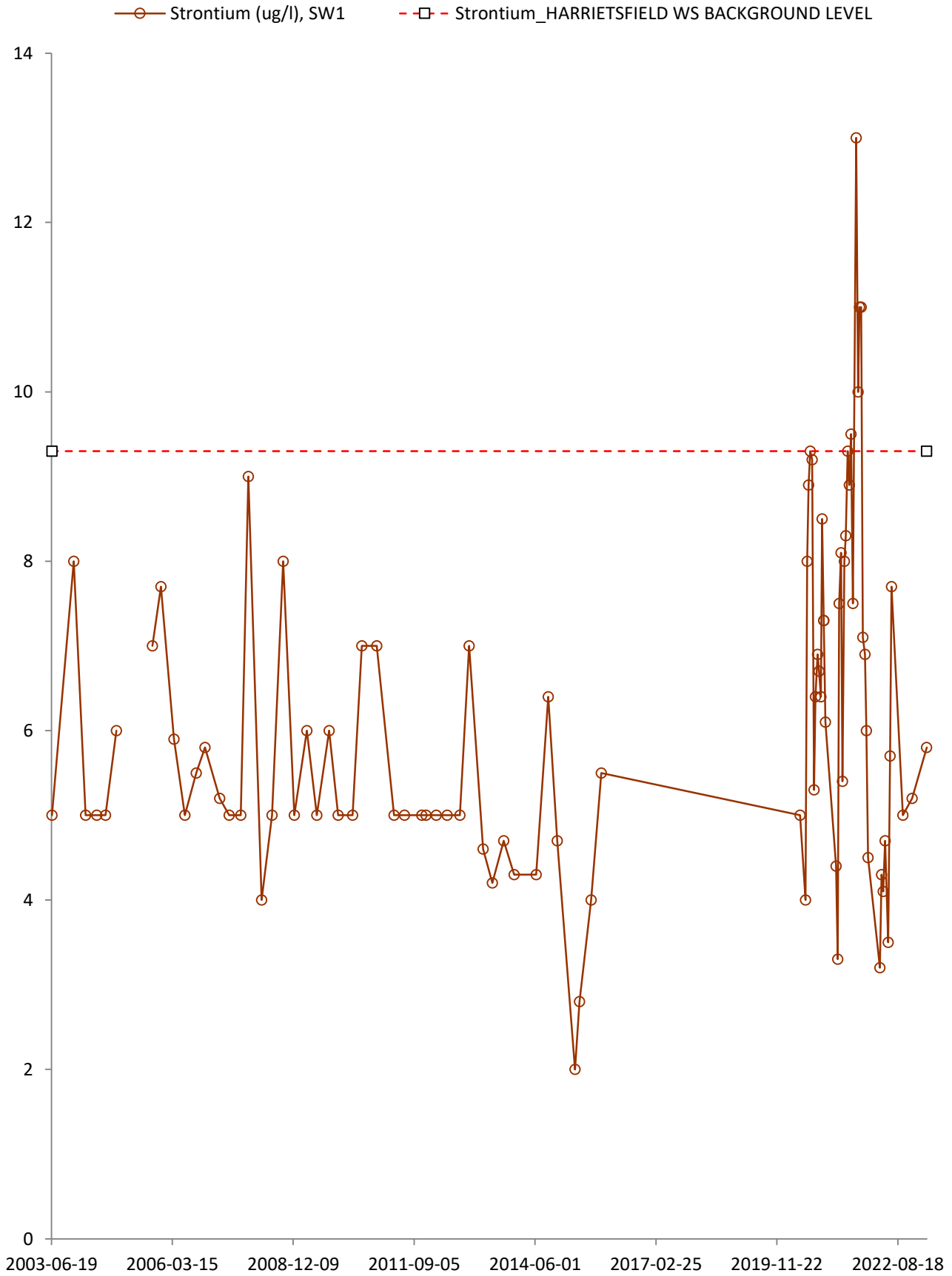




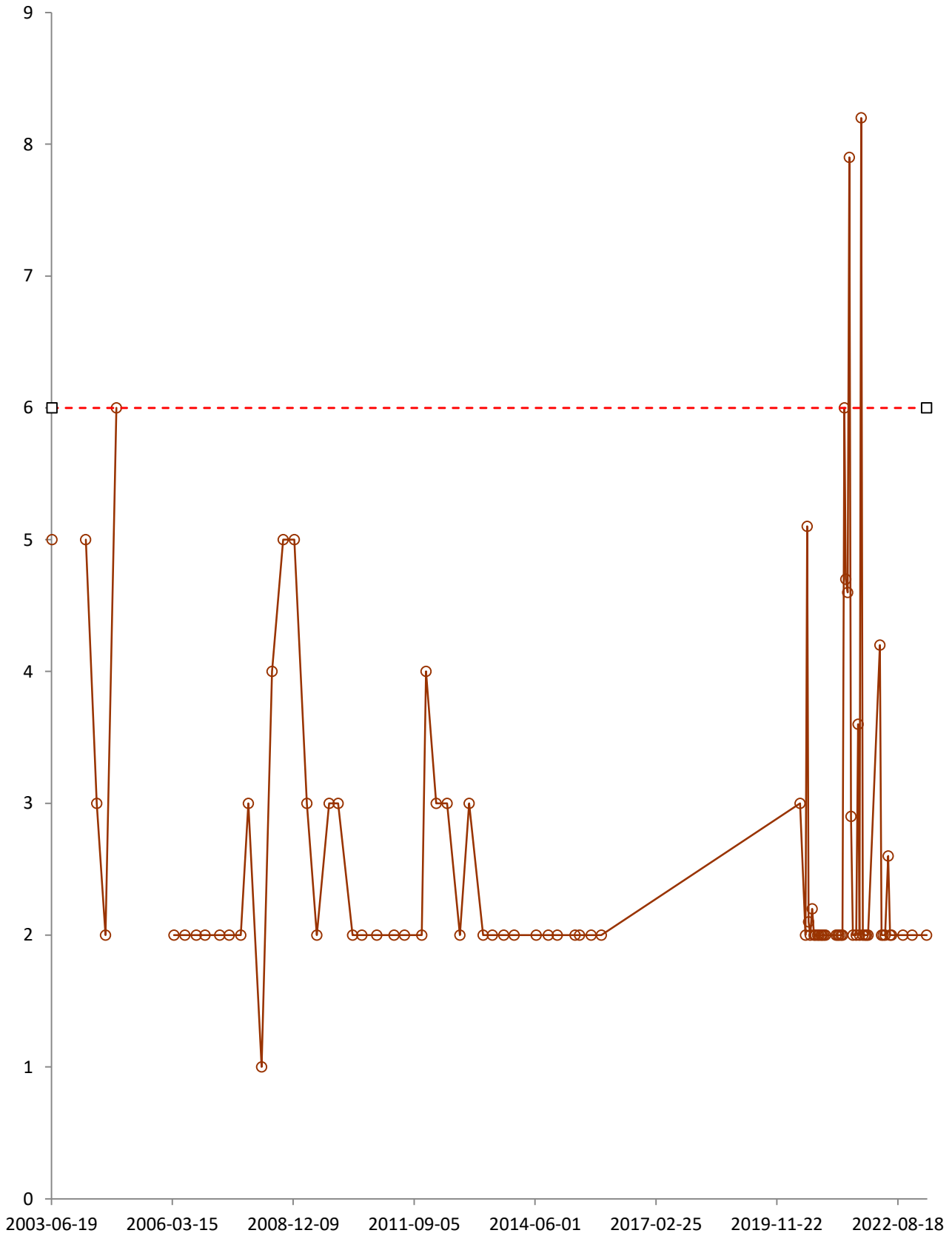


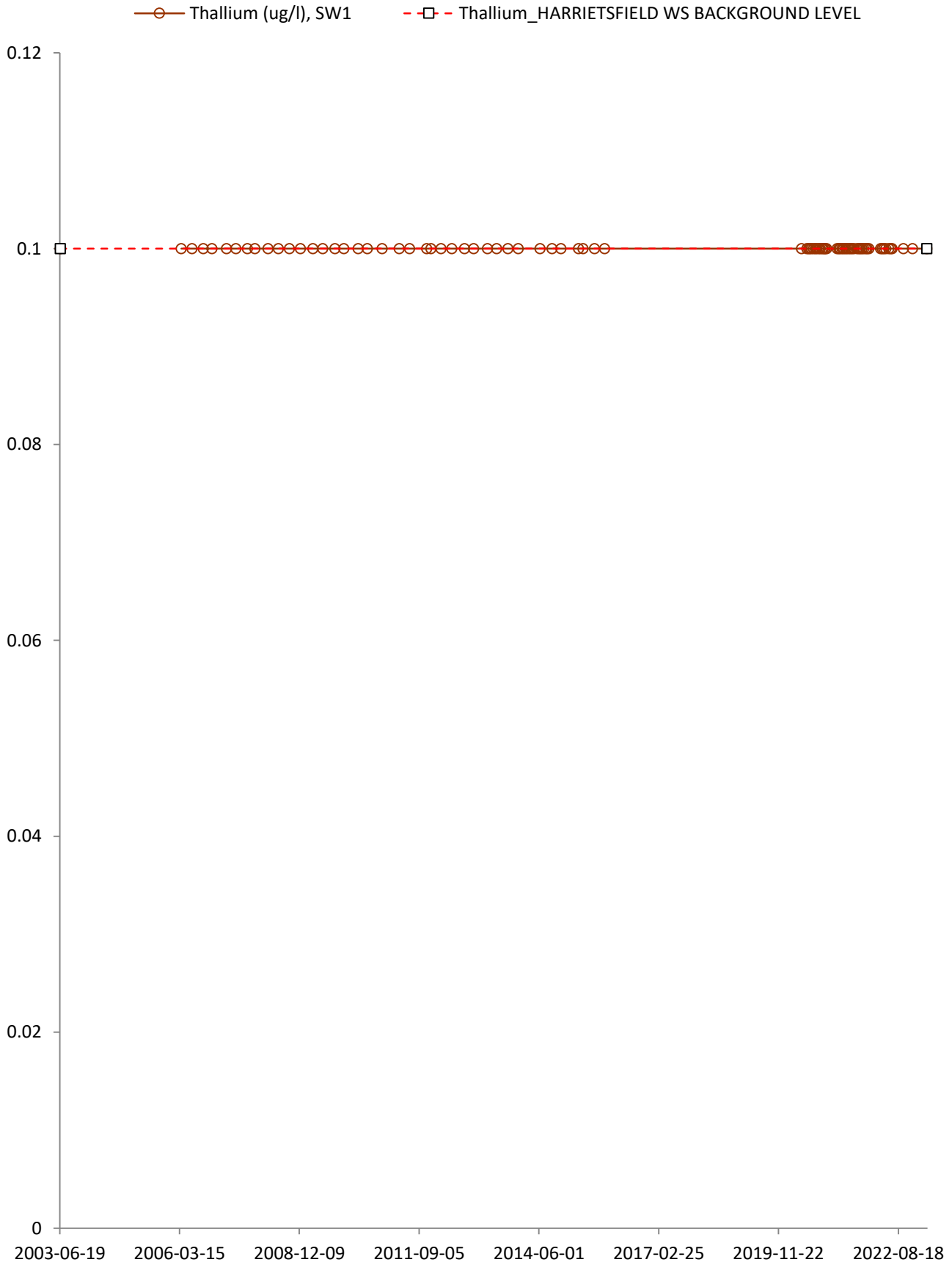
—○— Sodium (ug/l), SW1 - -□- - Sodium_HARRIETSFIELD WS BACKGROUND LEVEL



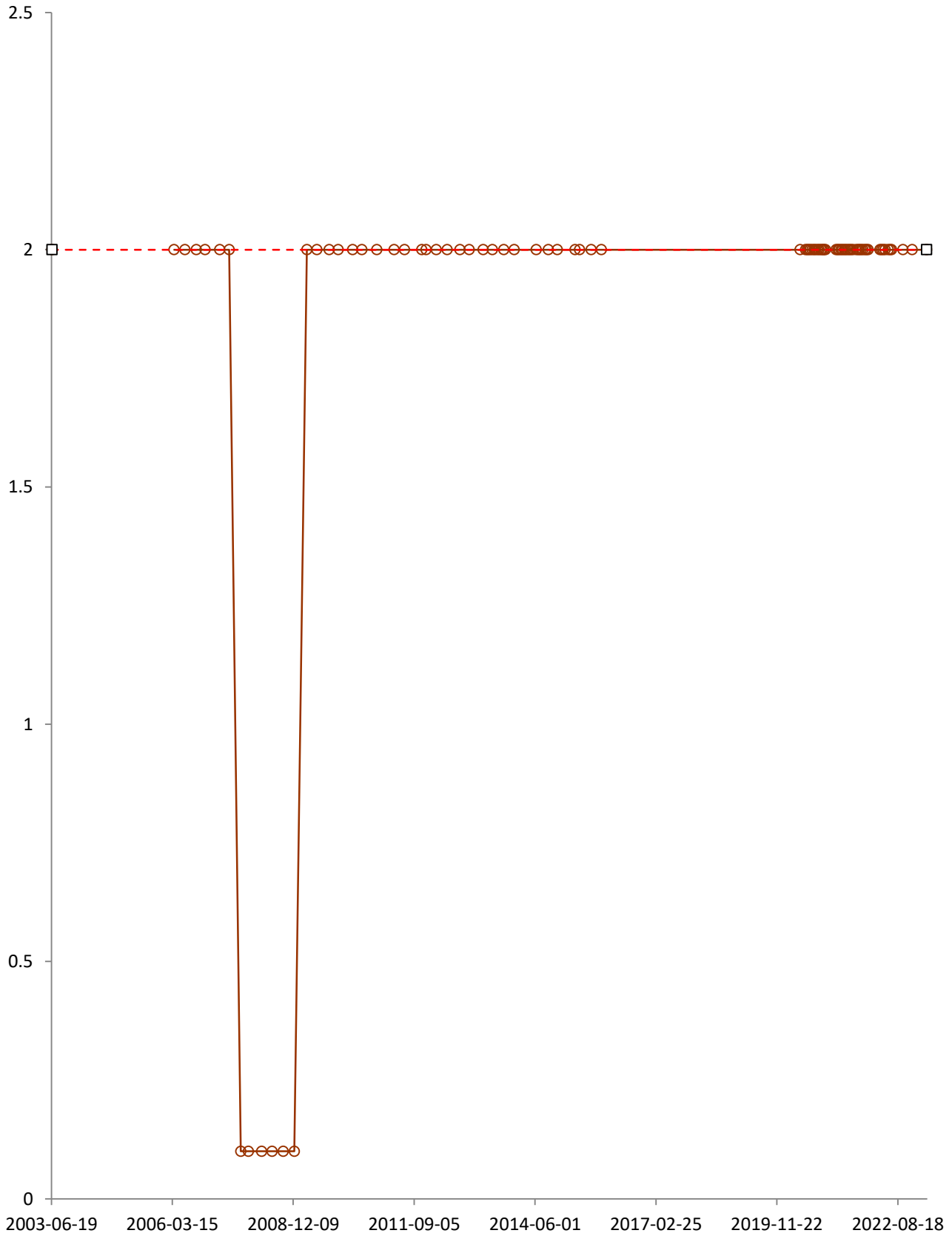


—○— Sulphate (mg/l), SW1 - -□- - Sulphate_HARRIETSFIELD WS BACKGROUND LEVEL

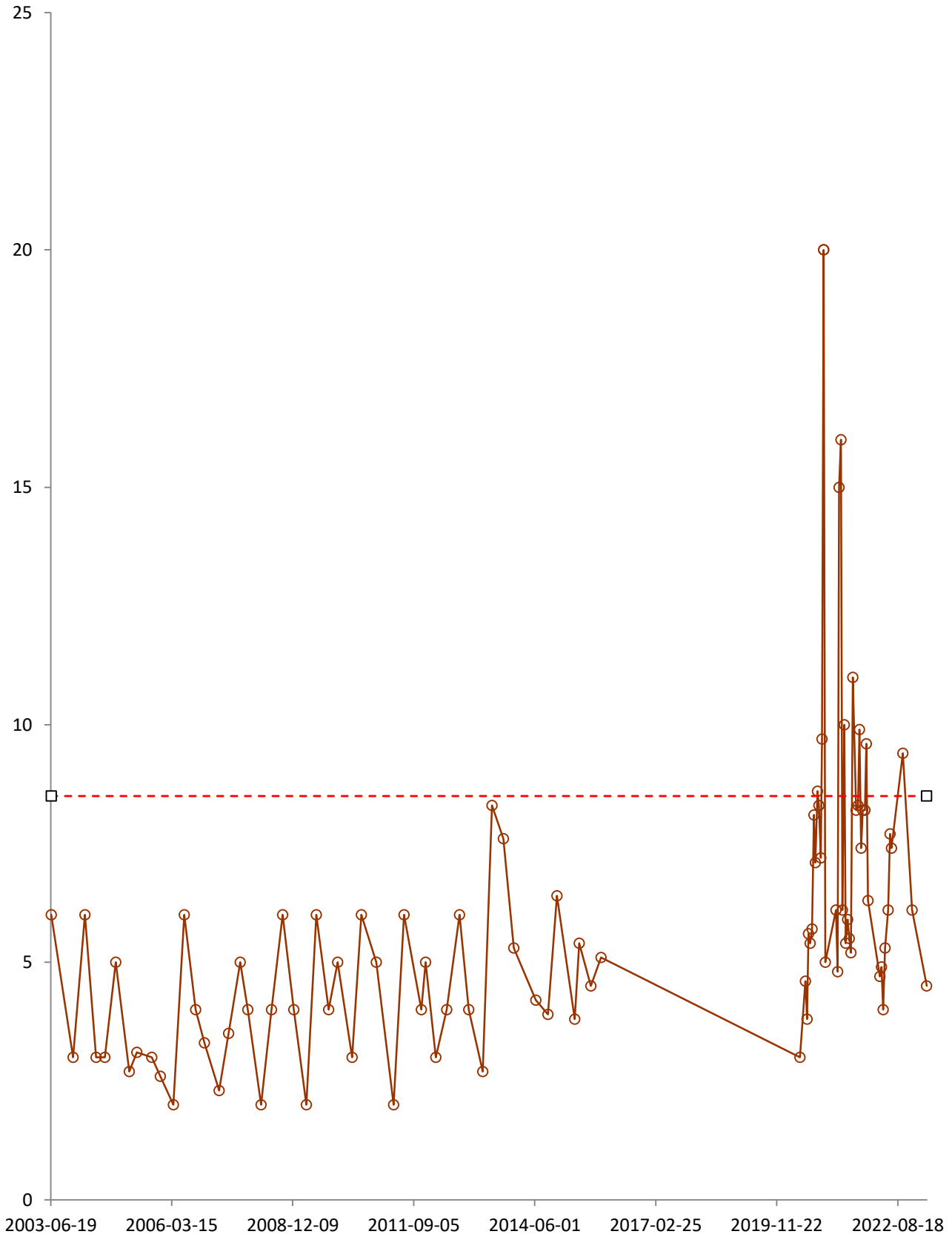


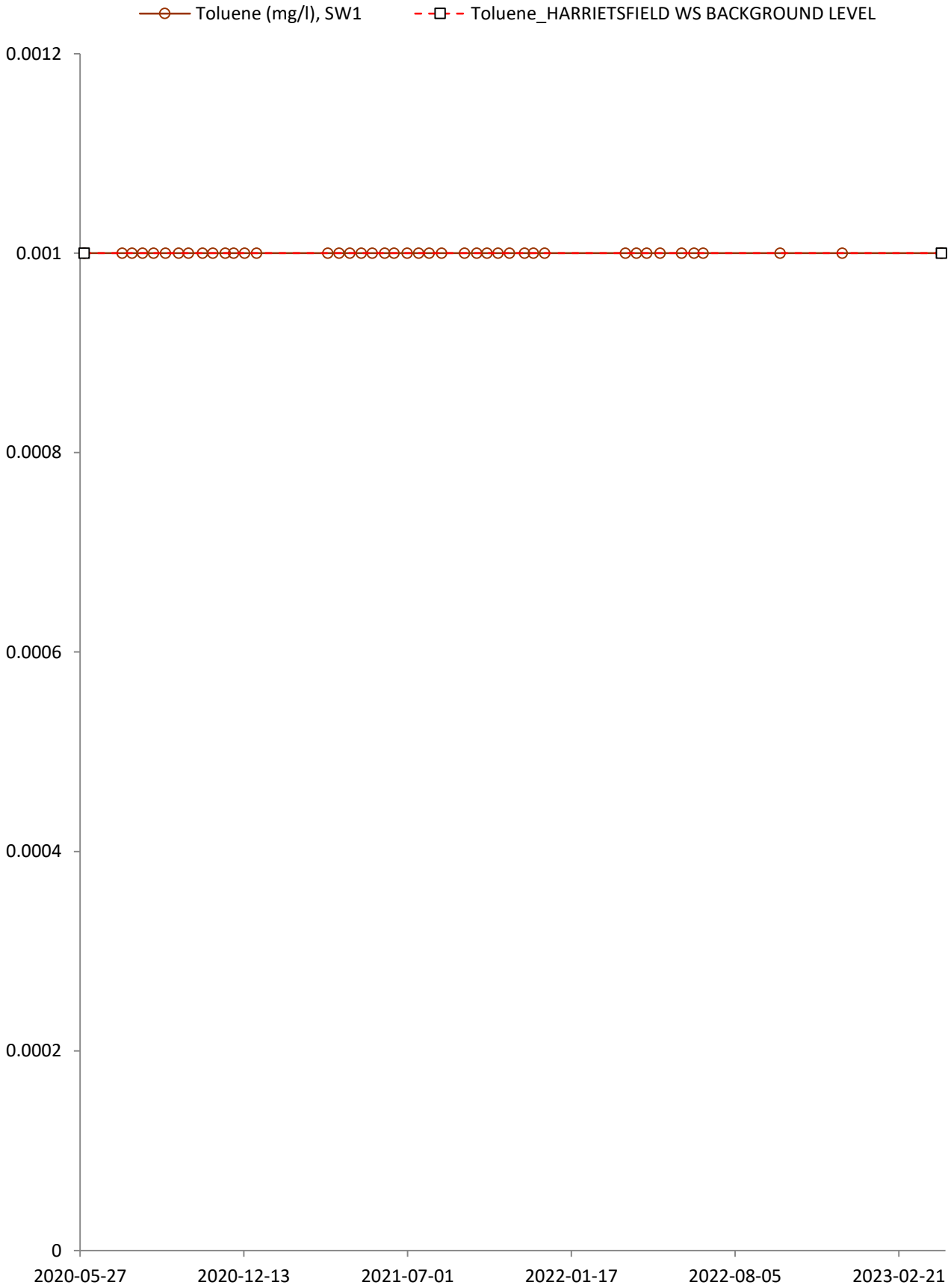


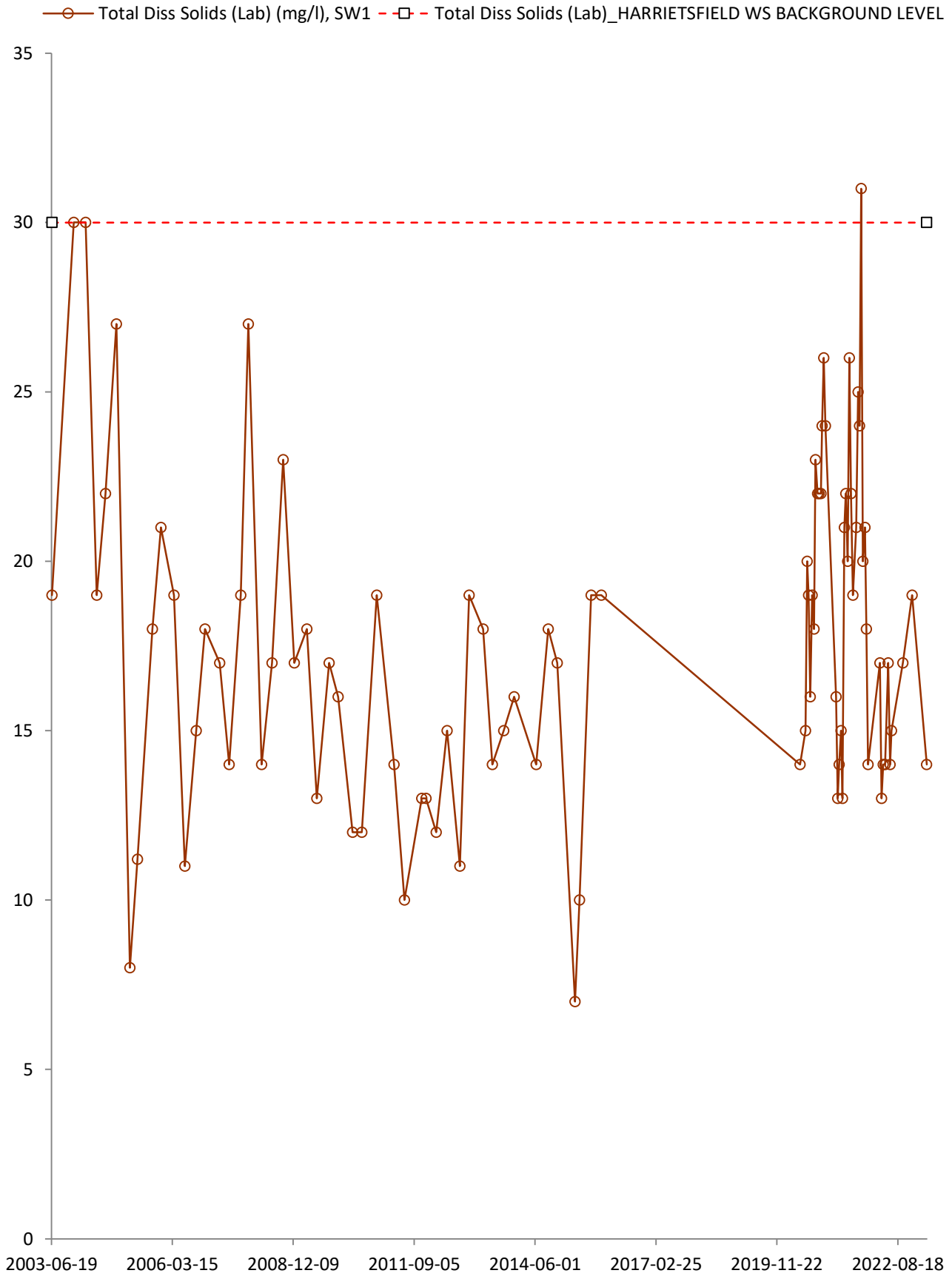
Tin (ug/l), SW1 Tin_HARRIETSFIELD WS BACKGROUND LEVEL

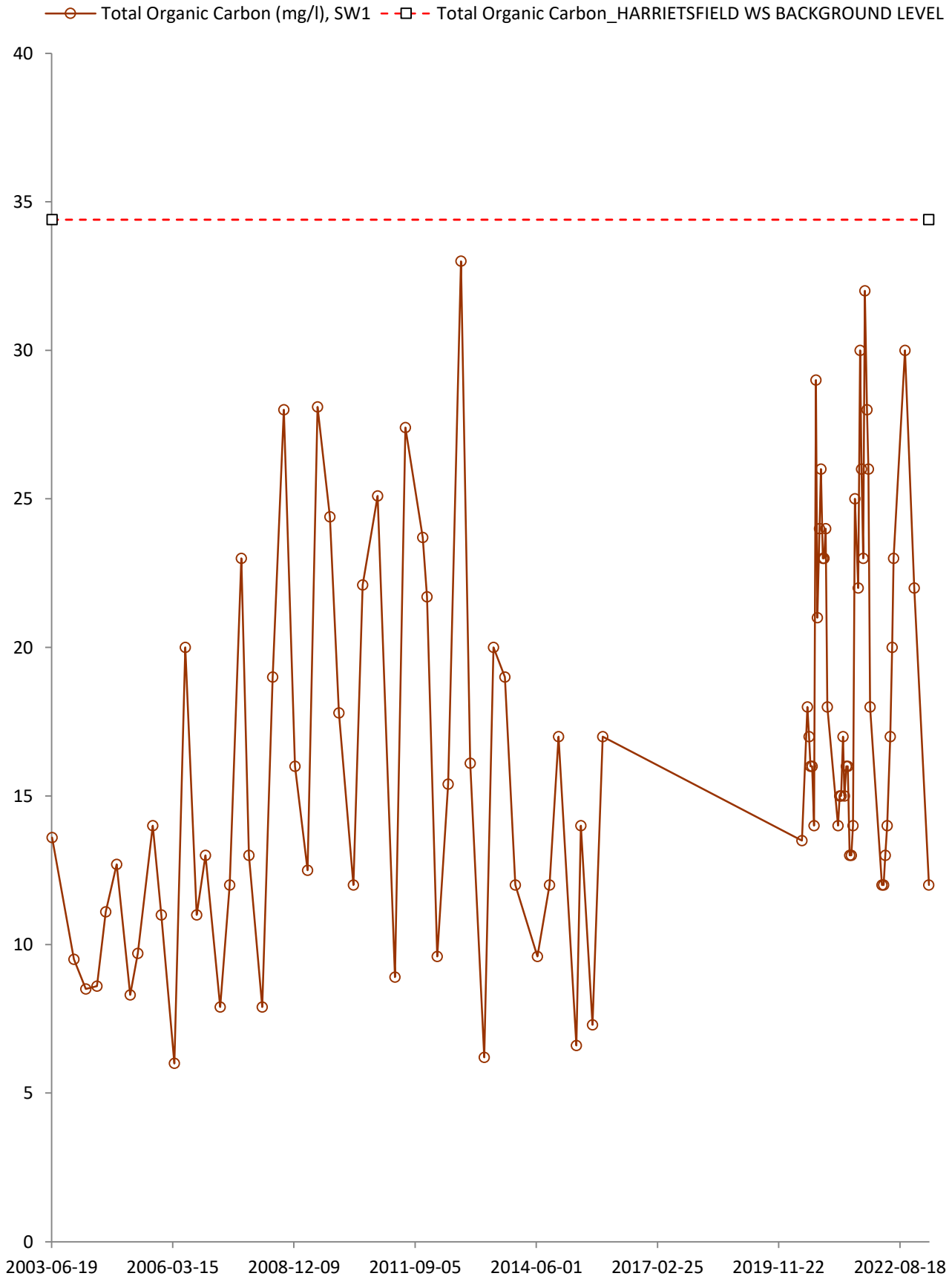


—○— Titanium (ug/l), SW1 - -□- - Titanium_HARRIETSFIELD WS BACKGROUND LEVEL

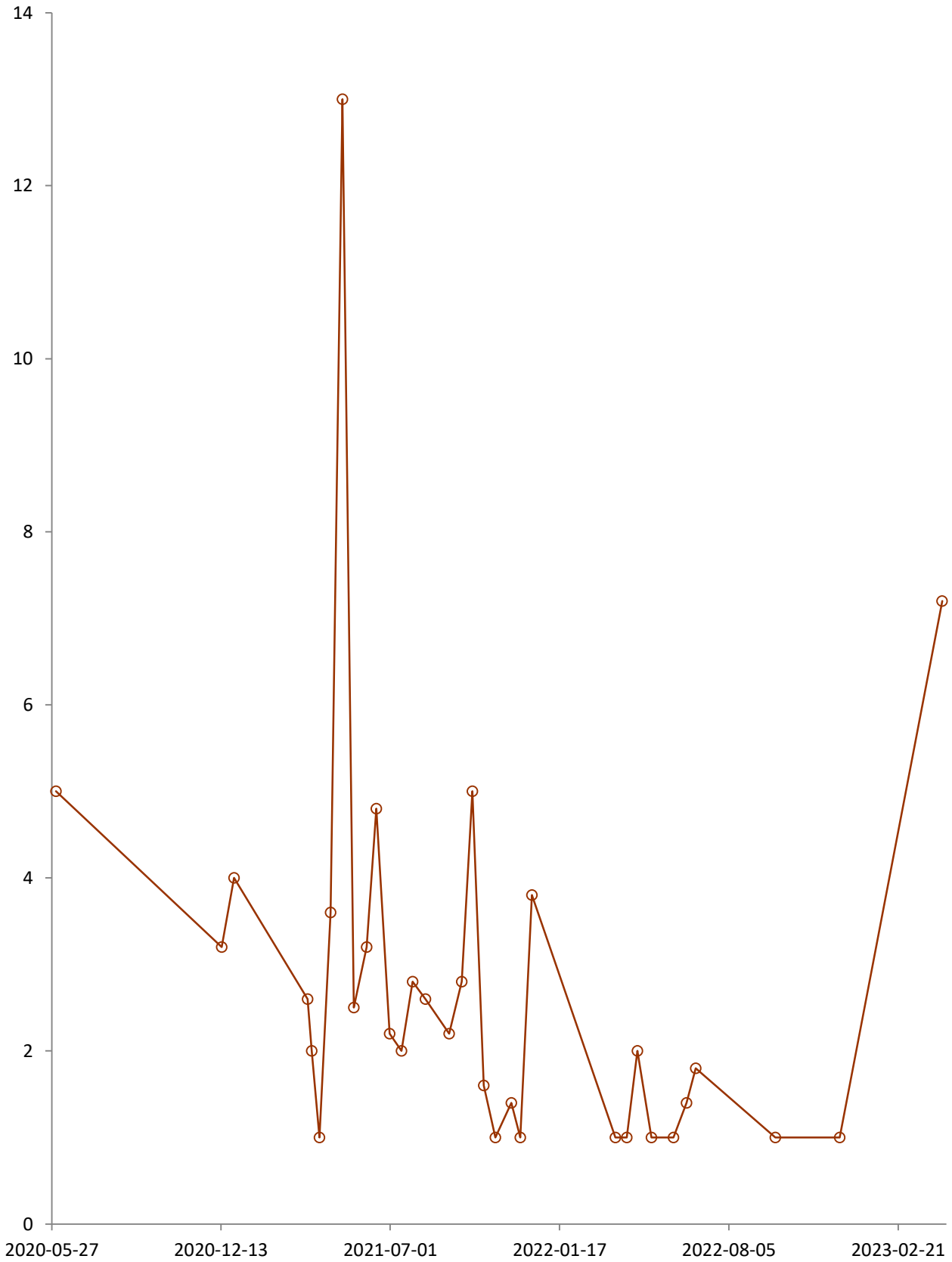




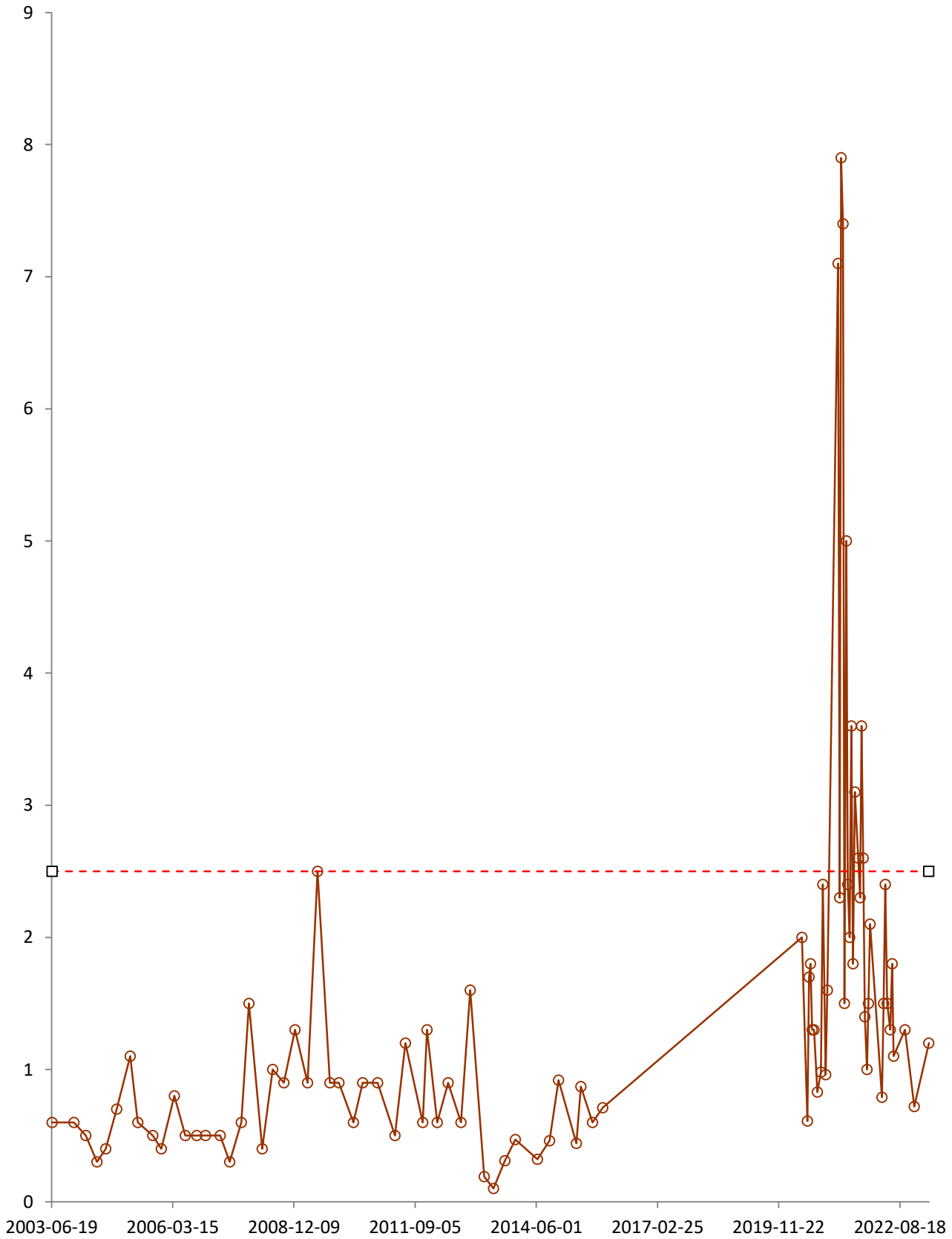


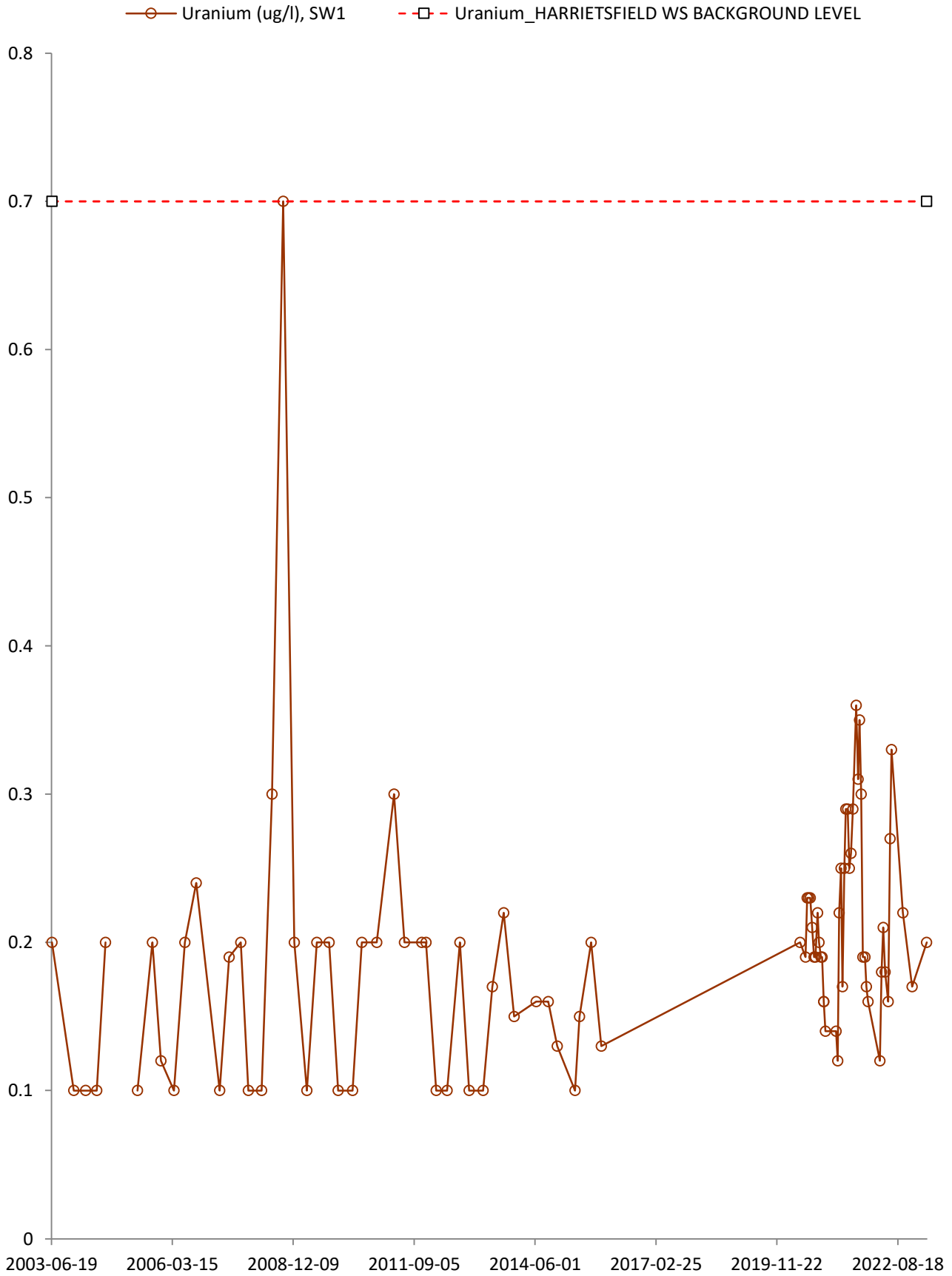


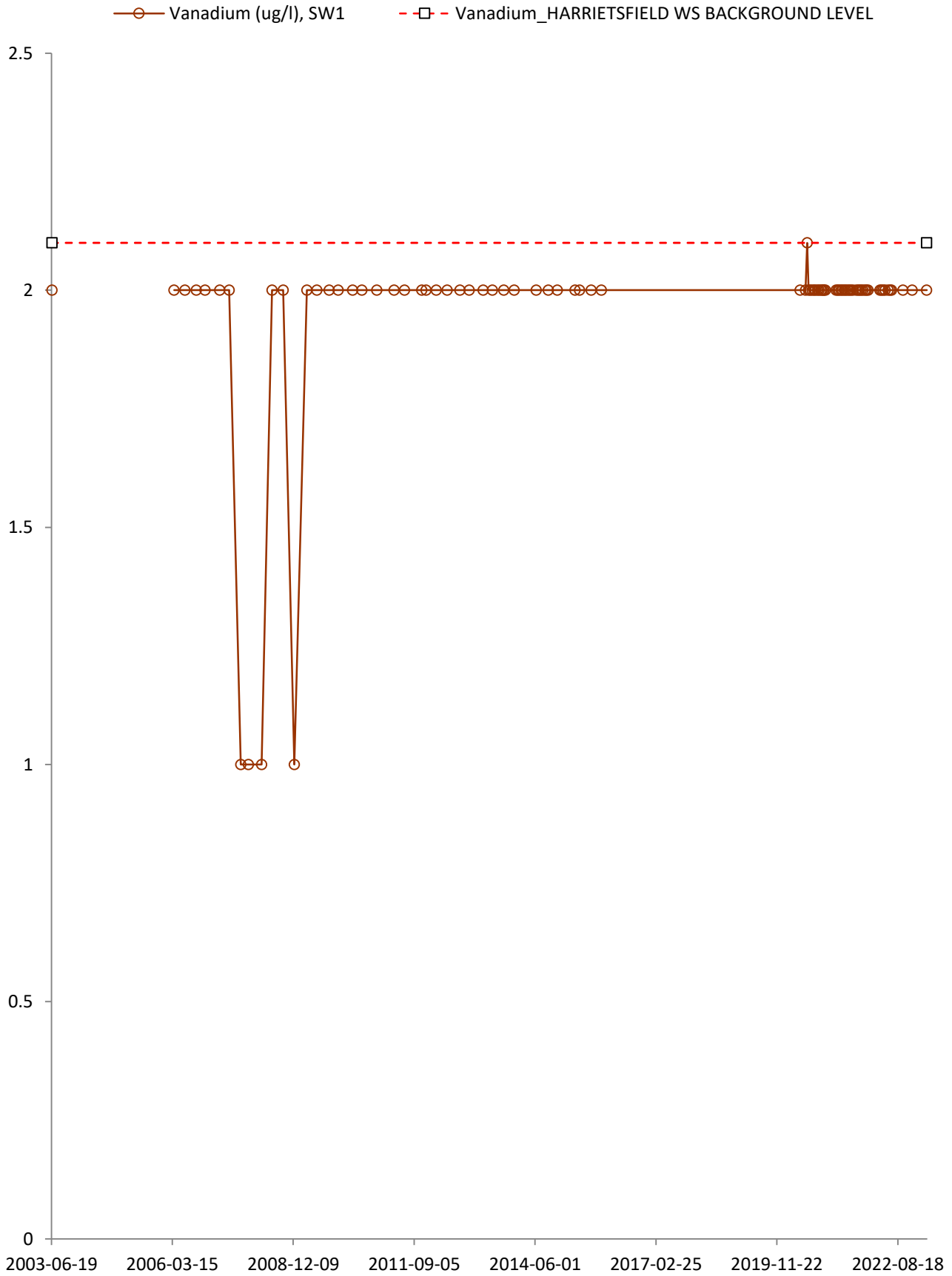
—○— Total Suspended Solids (mg/l), SW1

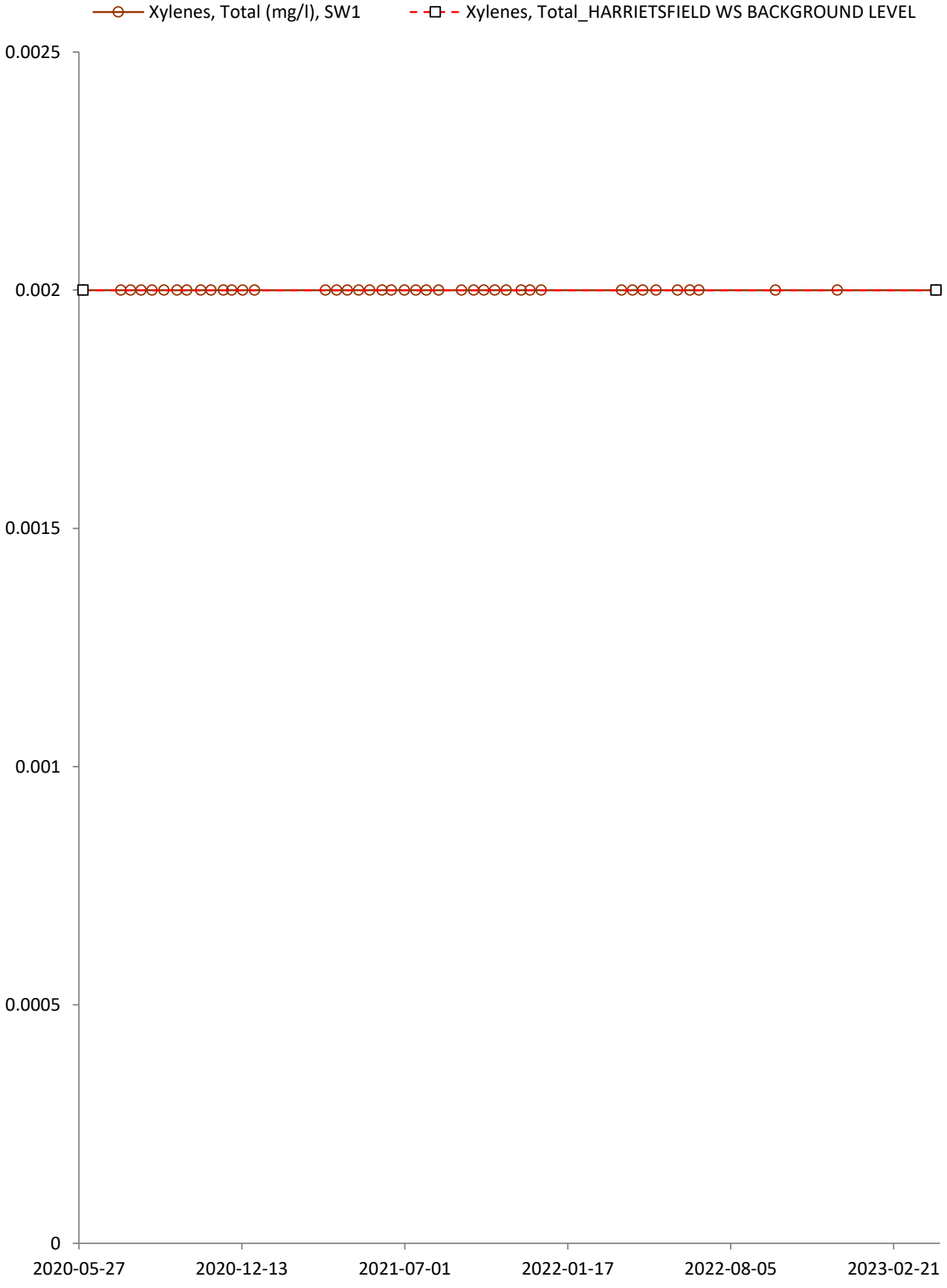


—○— Turbidity (ntu), SW1 - -□- - Turbidity_HARRIETSFIELD WS BACKGROUND LEVEL

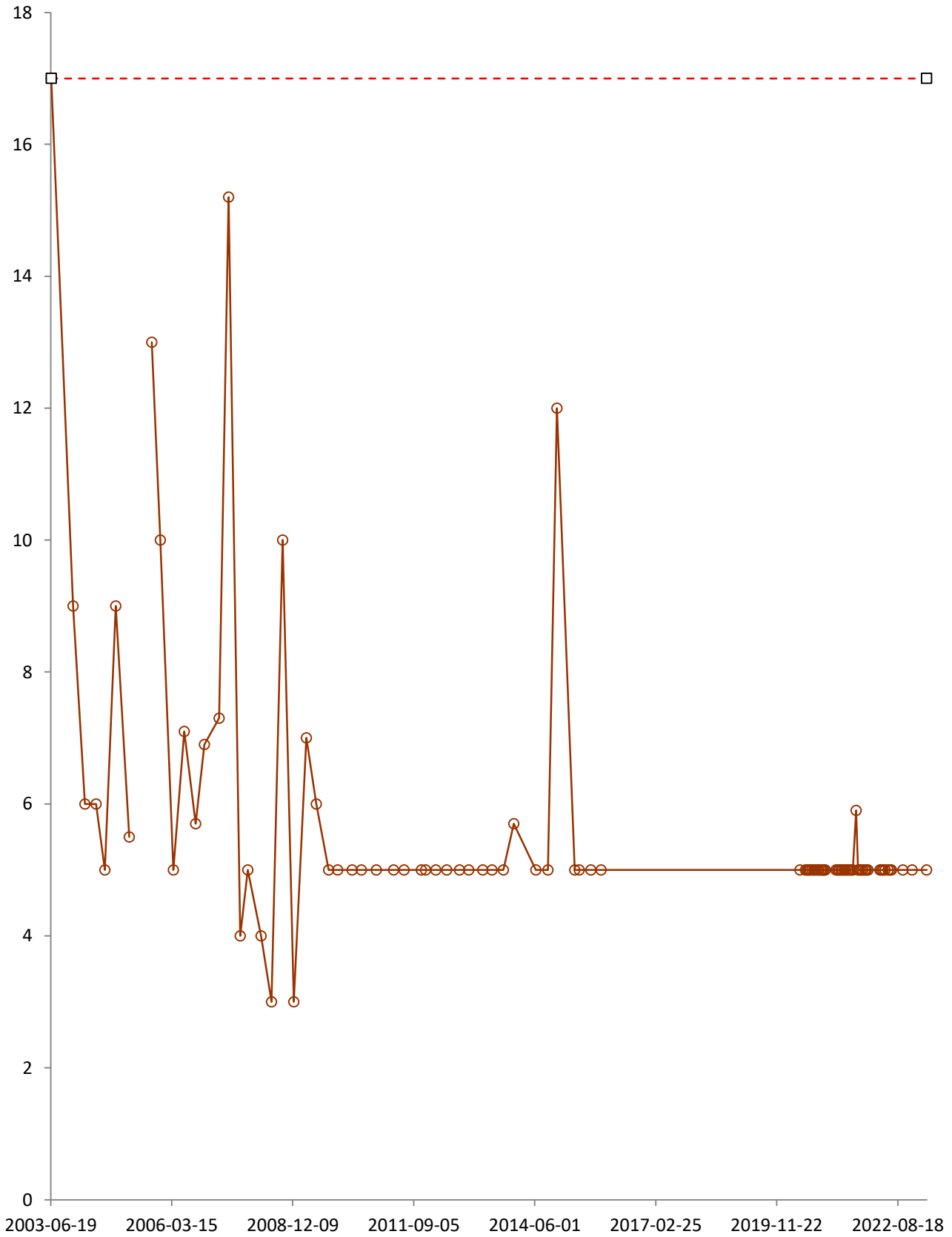




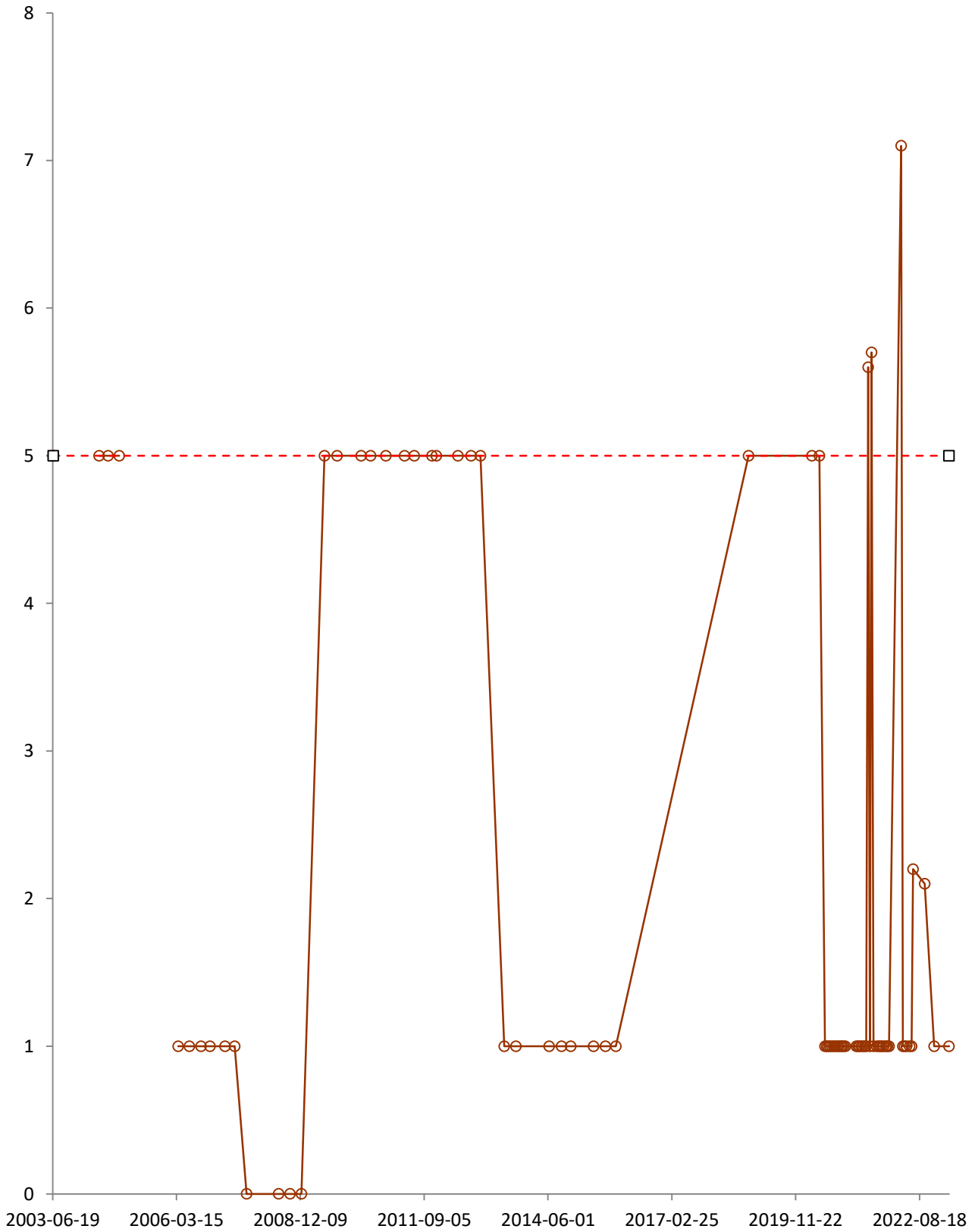


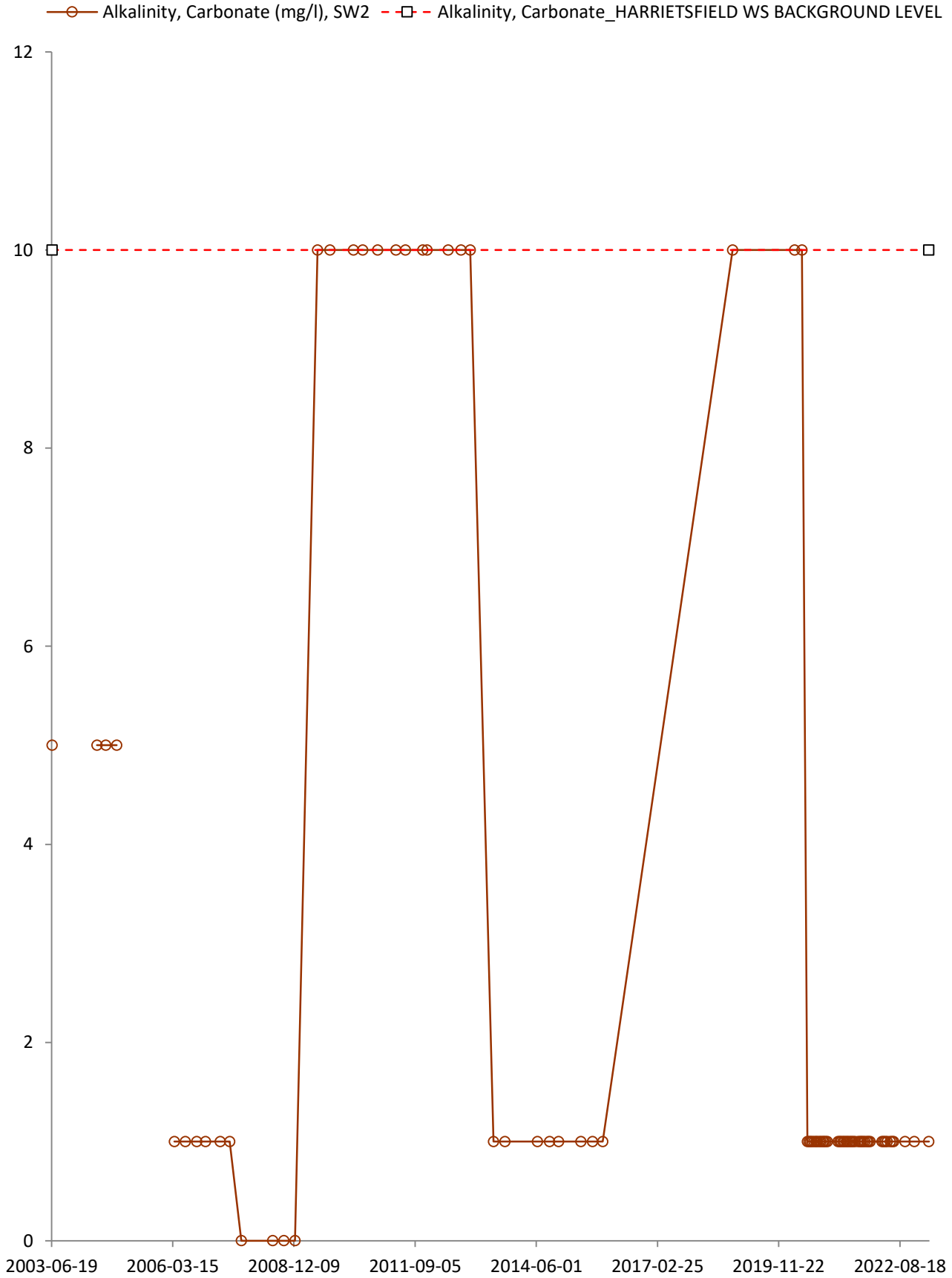


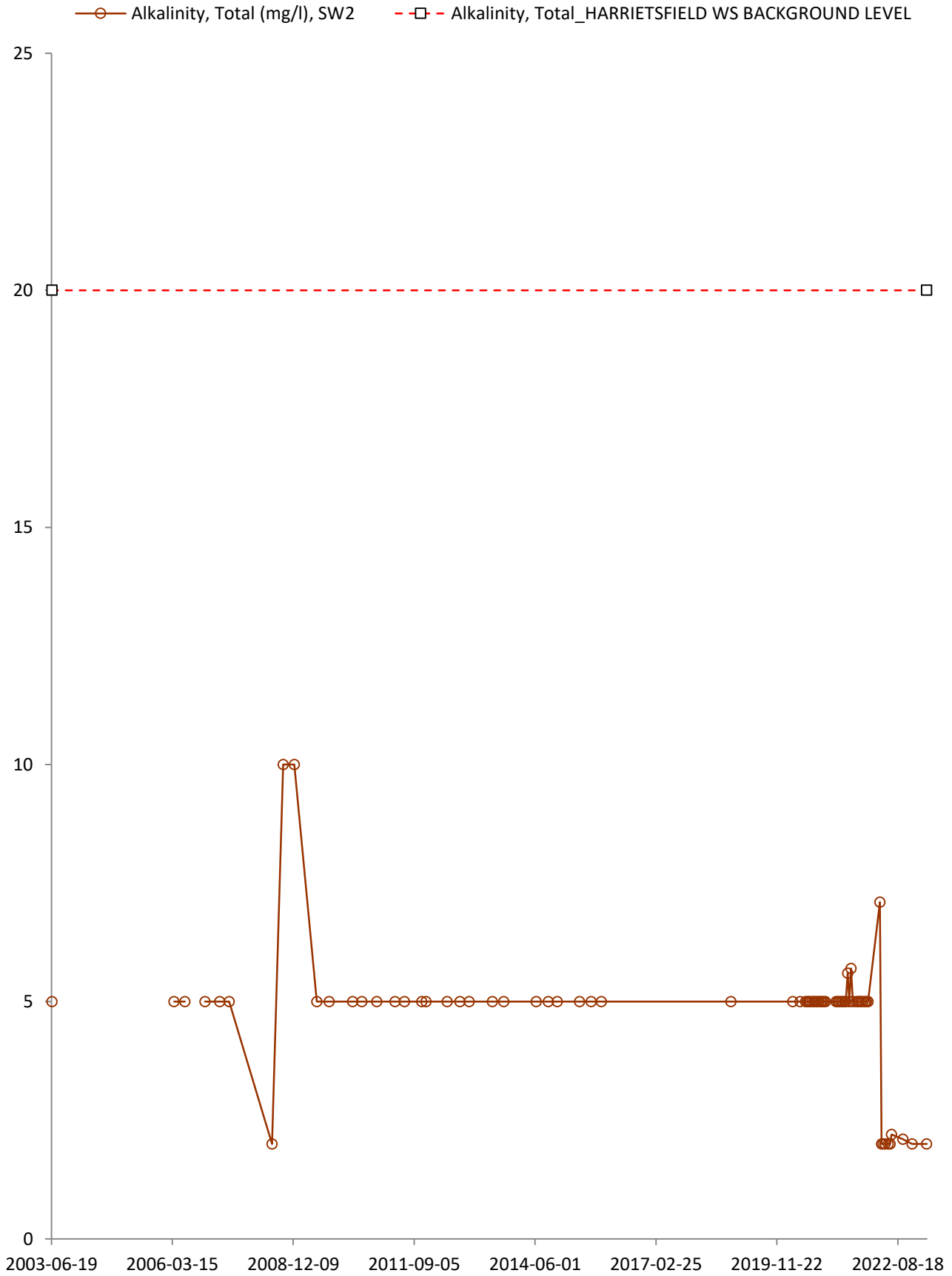
—○— Zinc (ug/l), SW1 - -□- - Zinc_HARRIETSFIELD WS BACKGROUND LEVEL

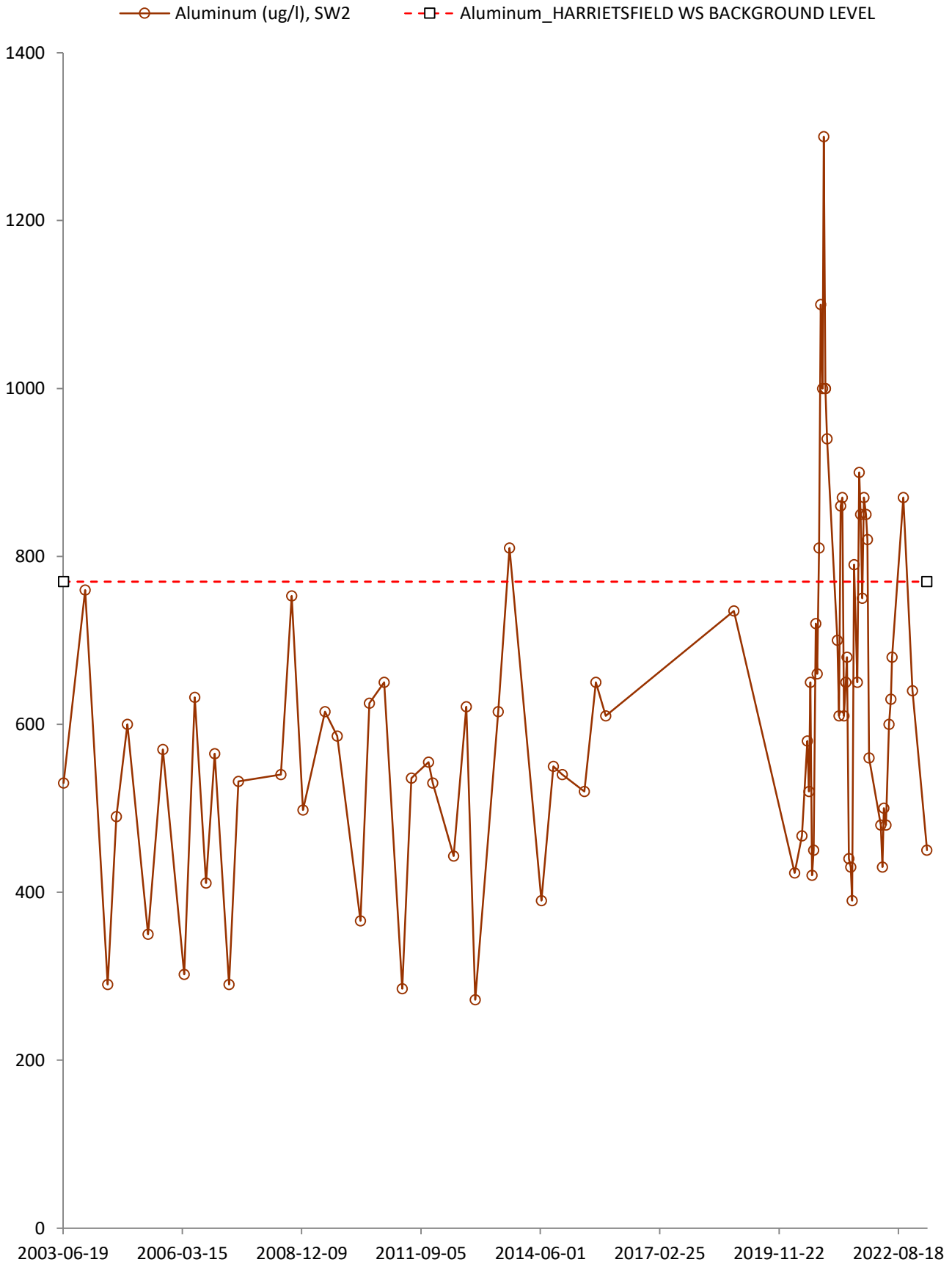


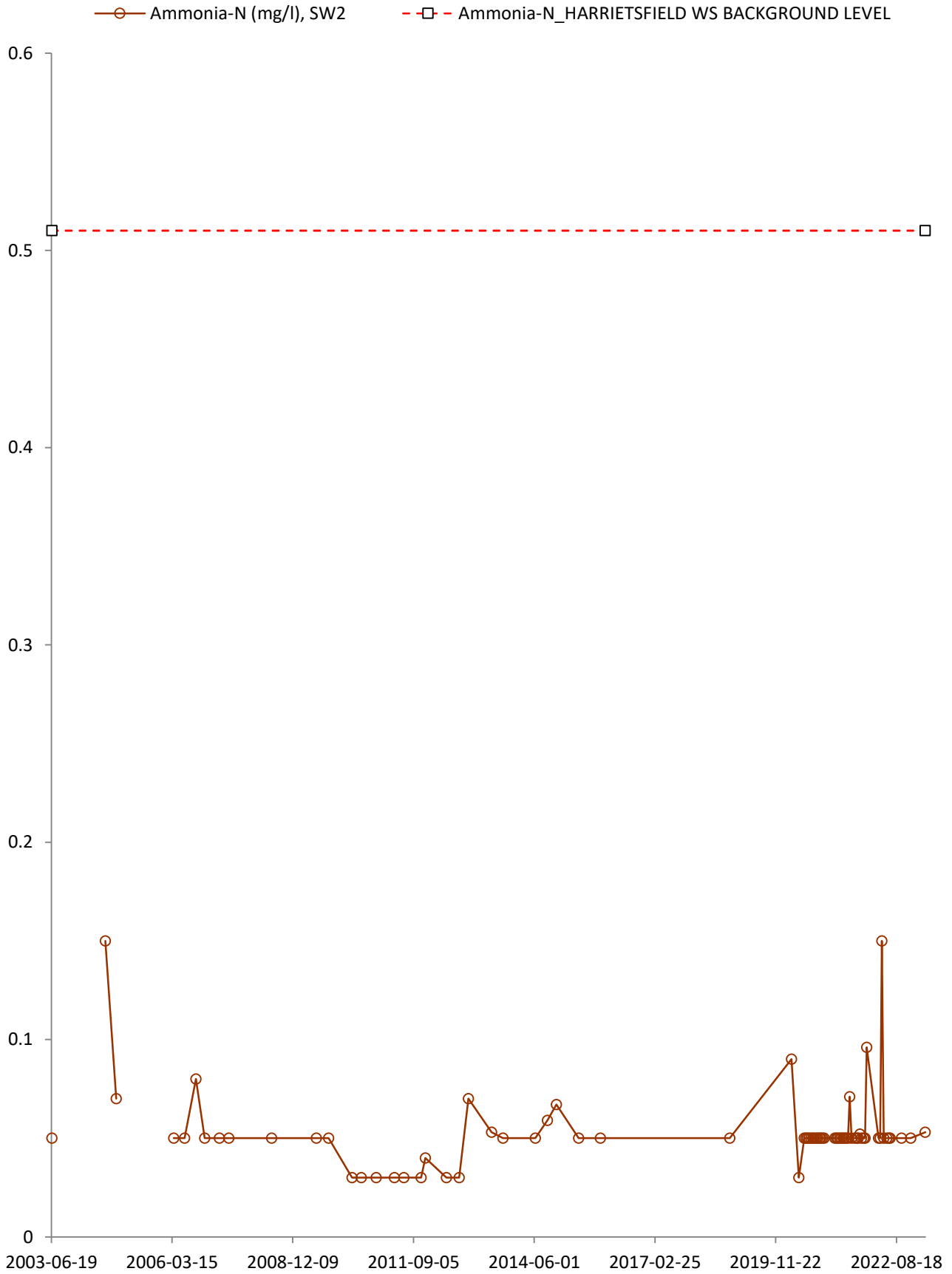
- Alkalinity, Bicarbonate (mg/l), SW2
- Alkalinity, Bicarbonate_HARRIETSFIELD WS BACKGROUND LEVEL

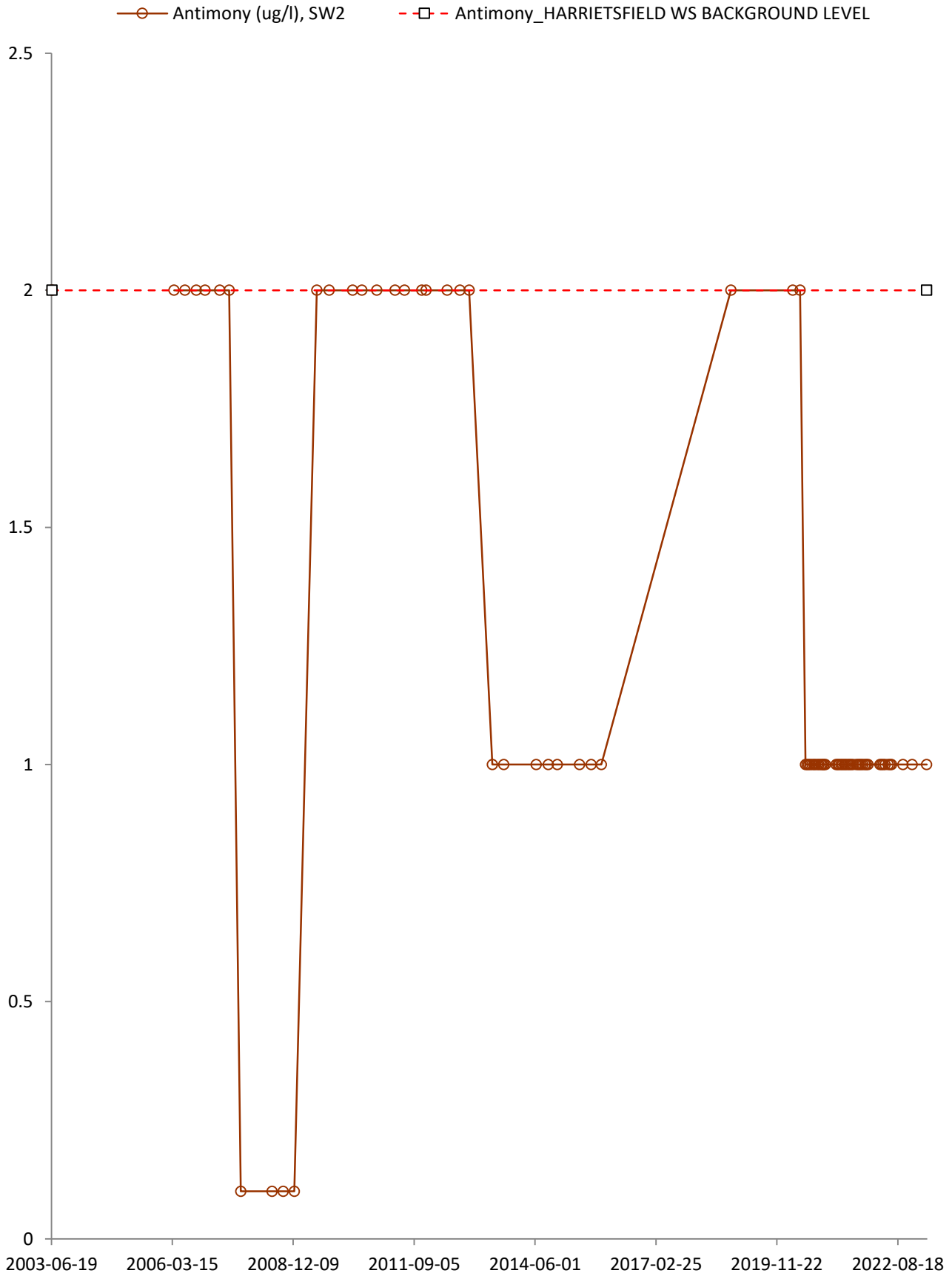




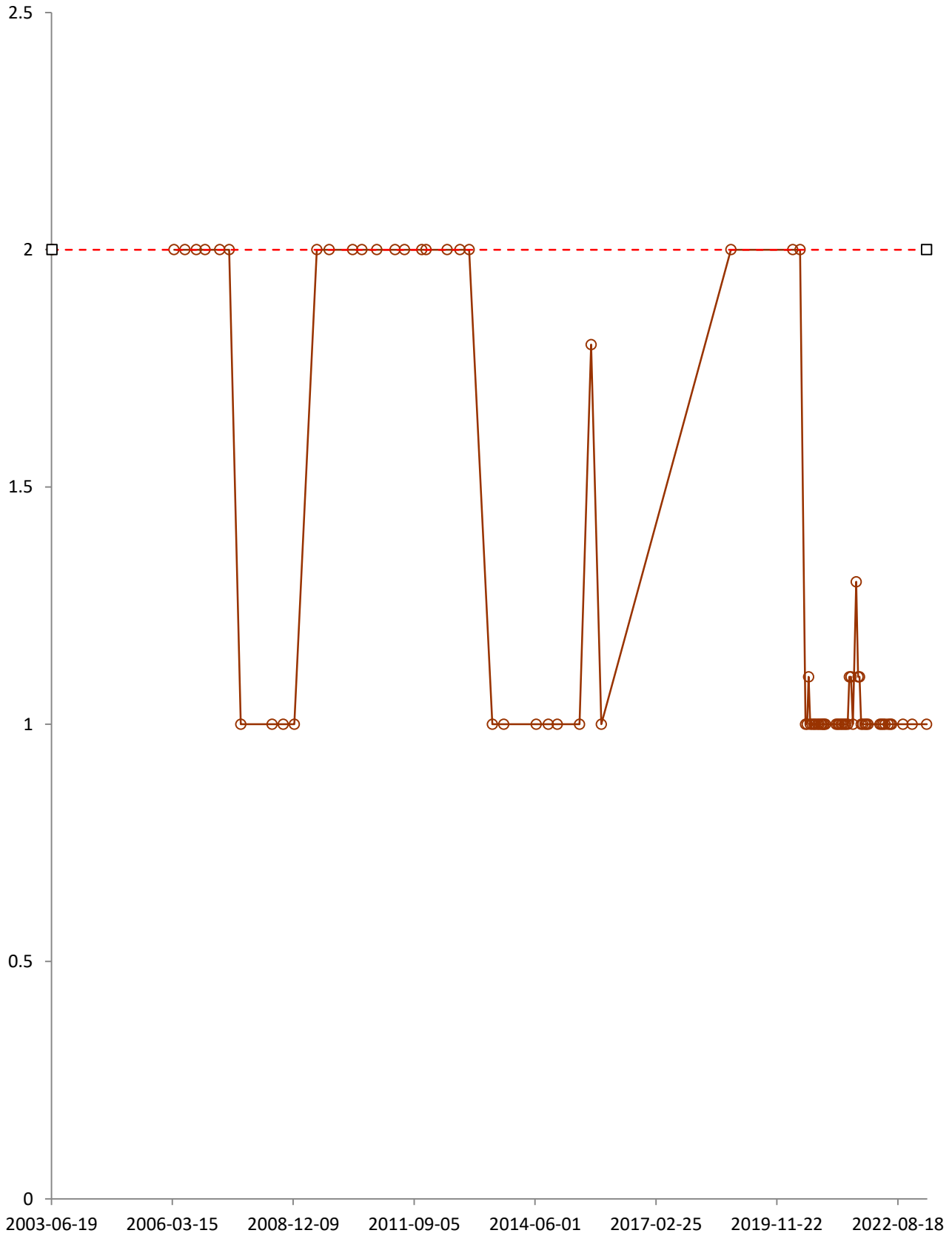


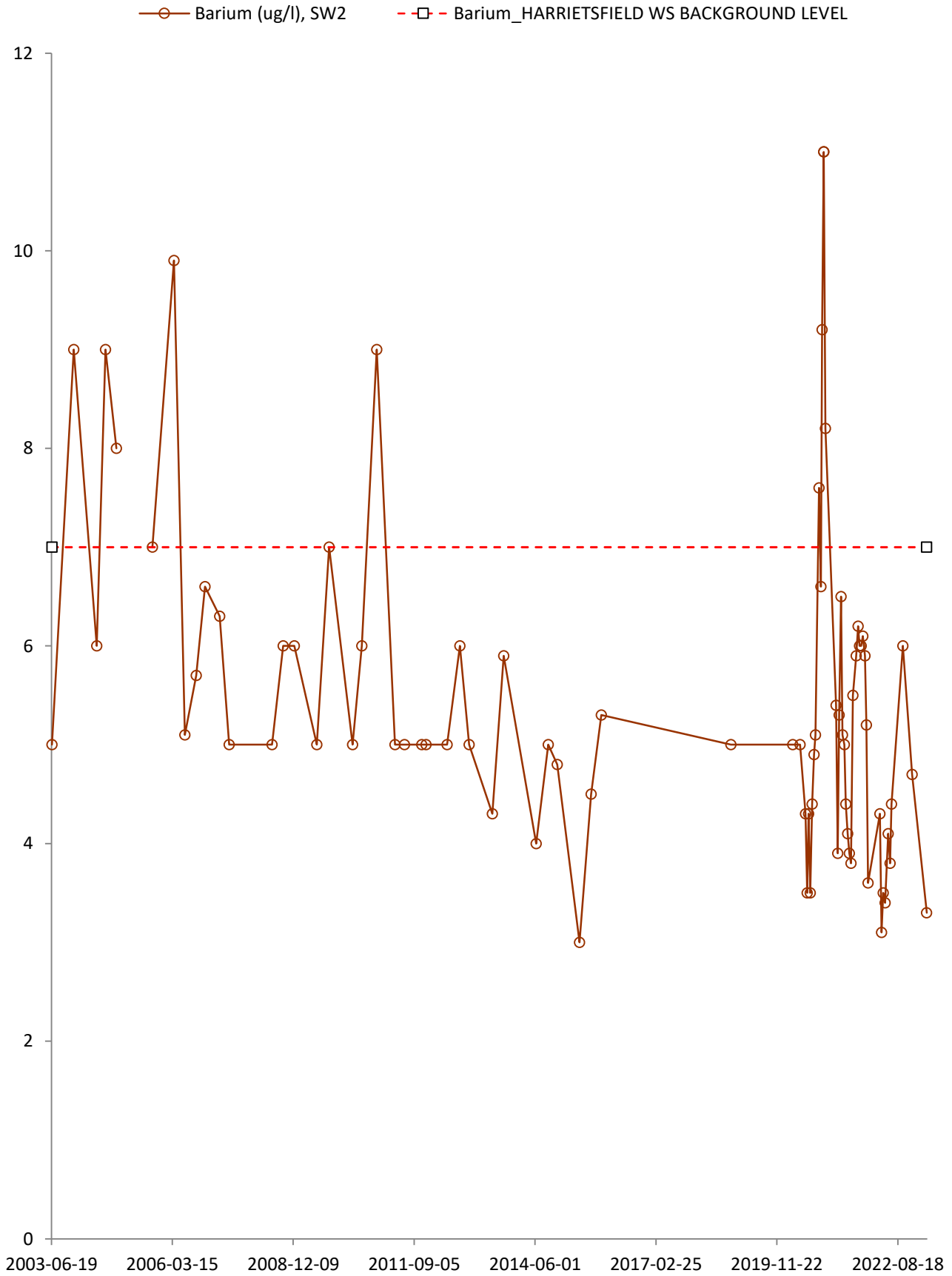


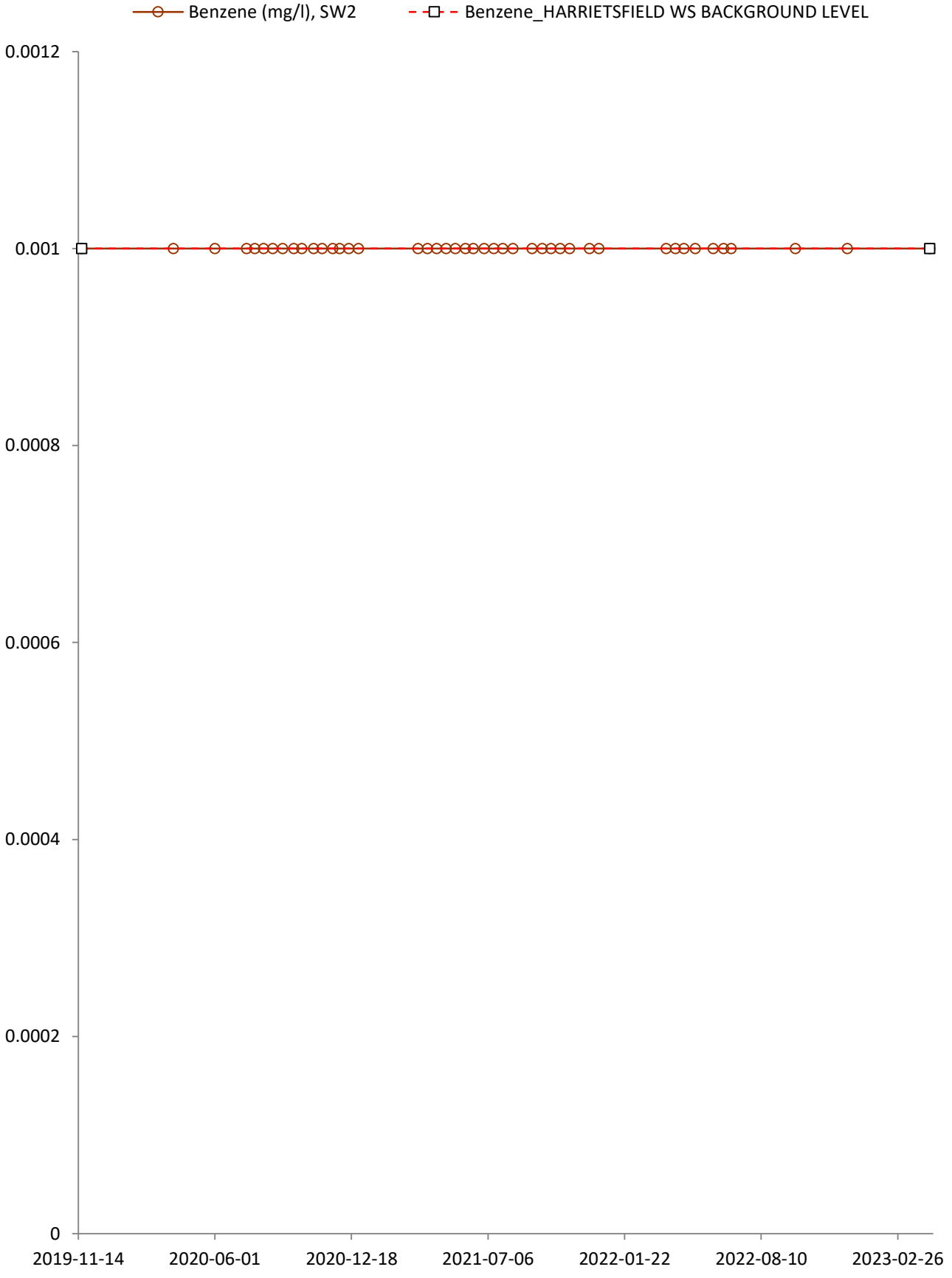




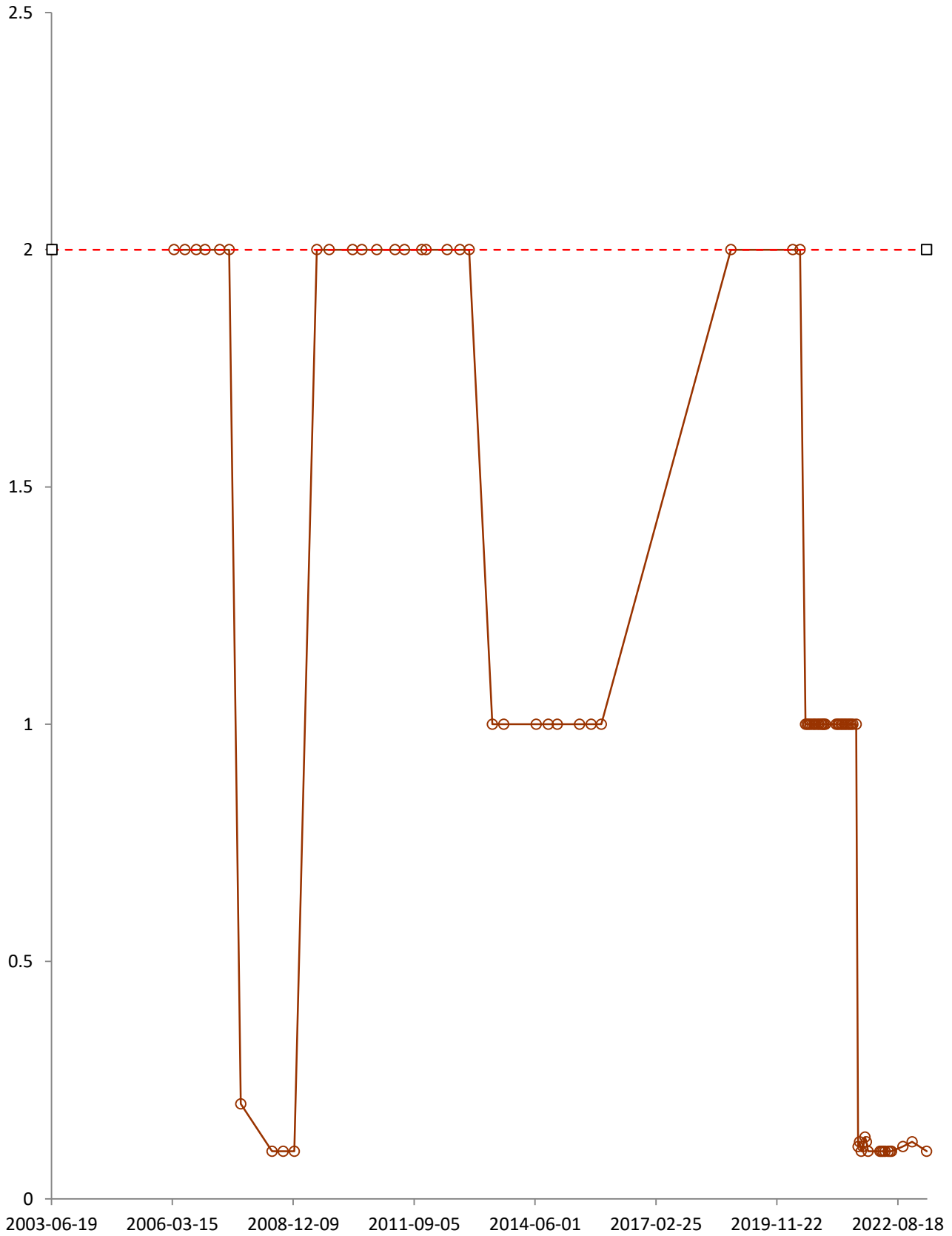
—○— Arsenic (ug/l), SW2 - -□- - Arsenic_HARRIETSFIELD WS BACKGROUND LEVEL

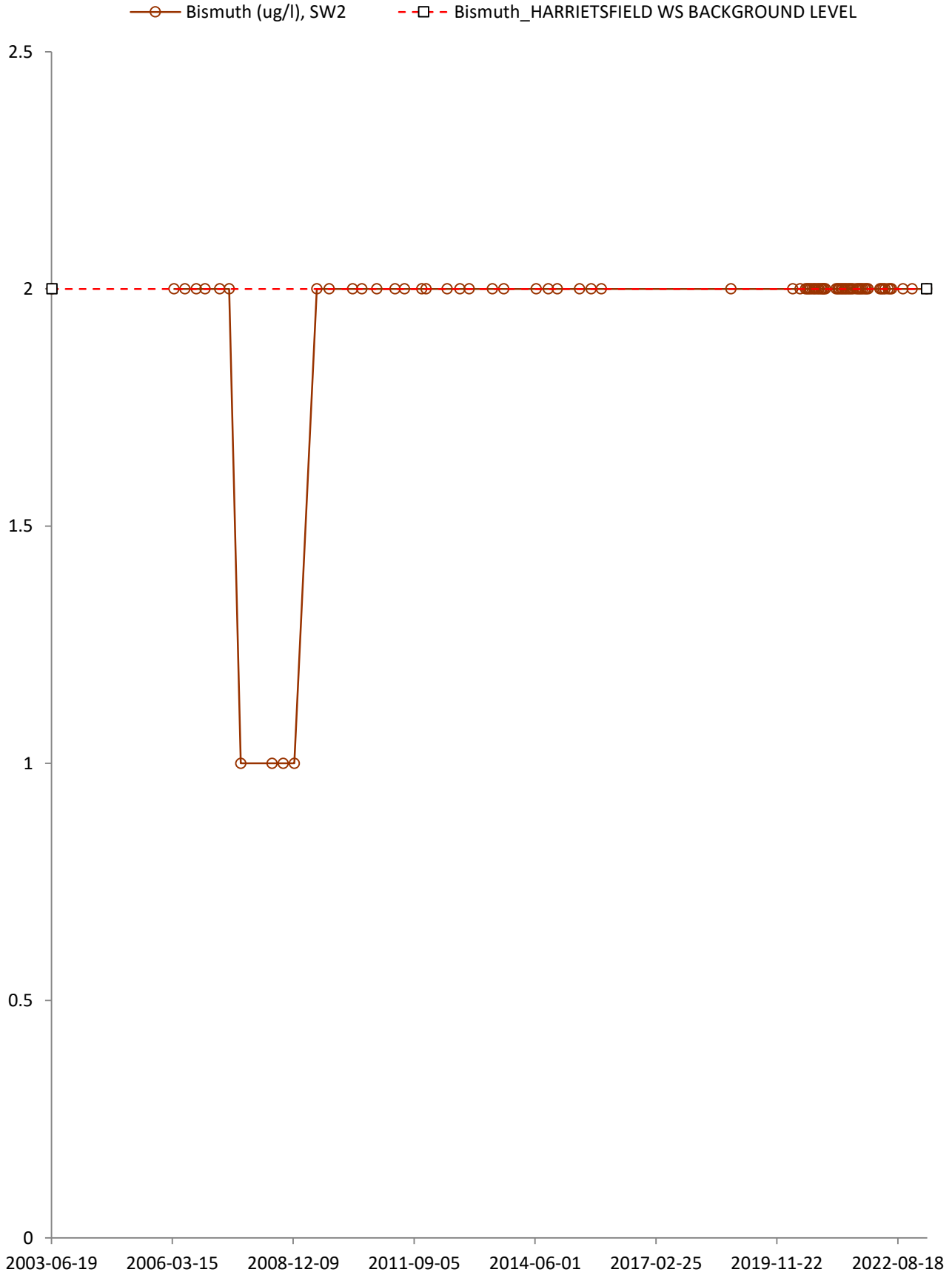




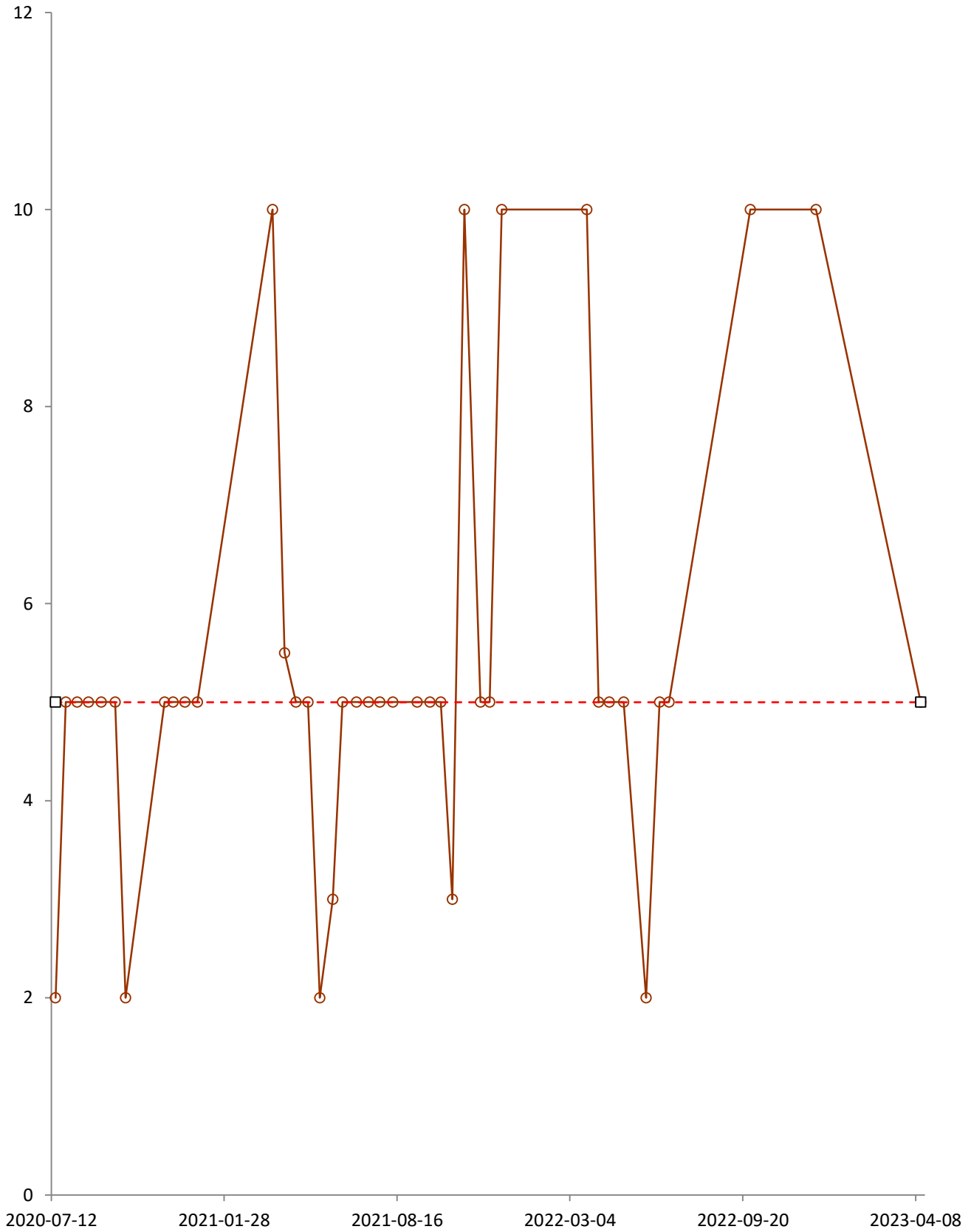


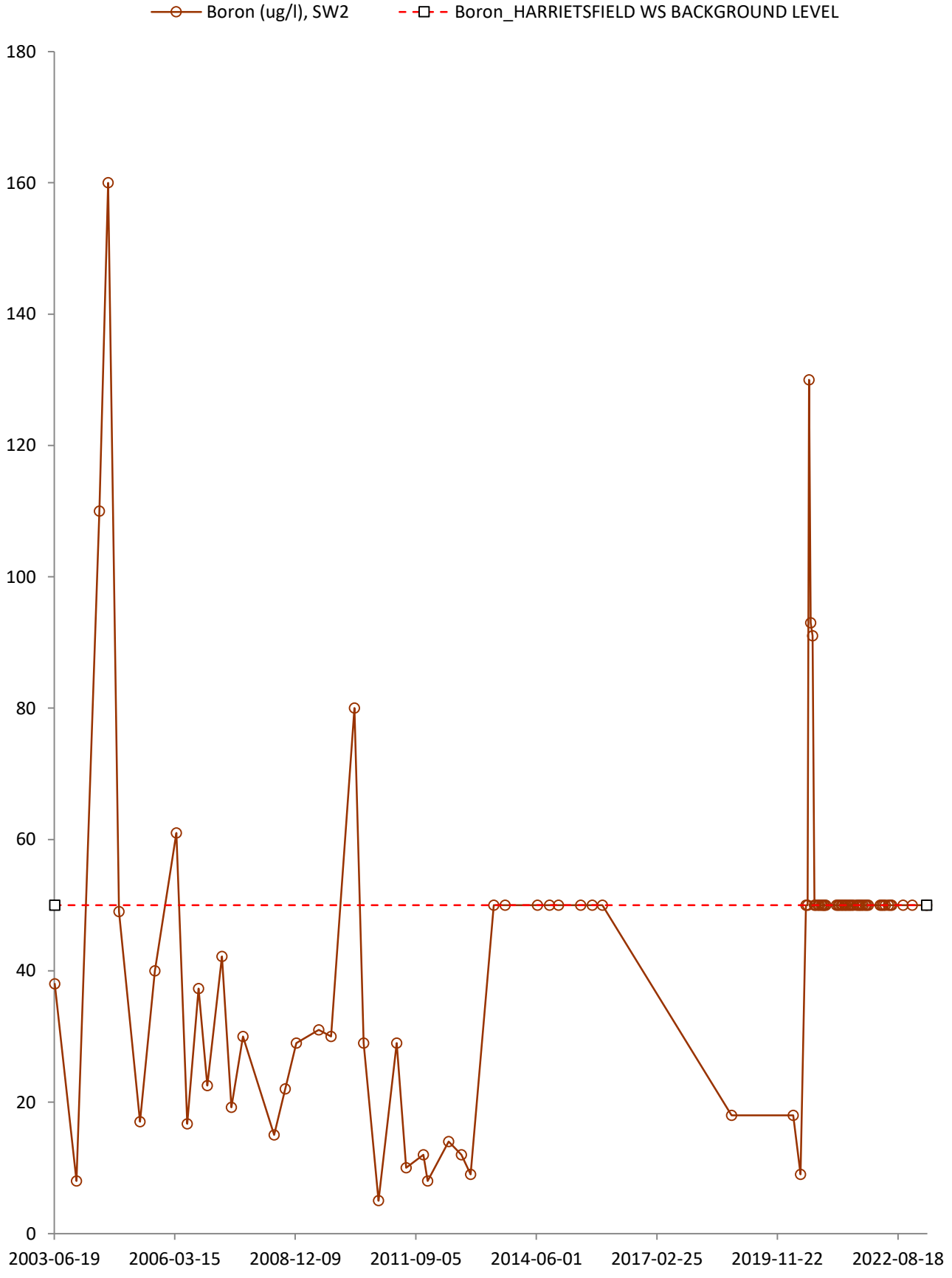
—○— Beryllium (ug/l), SW2 - -□- - Beryllium_HARRIETSFIELD WS BACKGROUND LEVEL

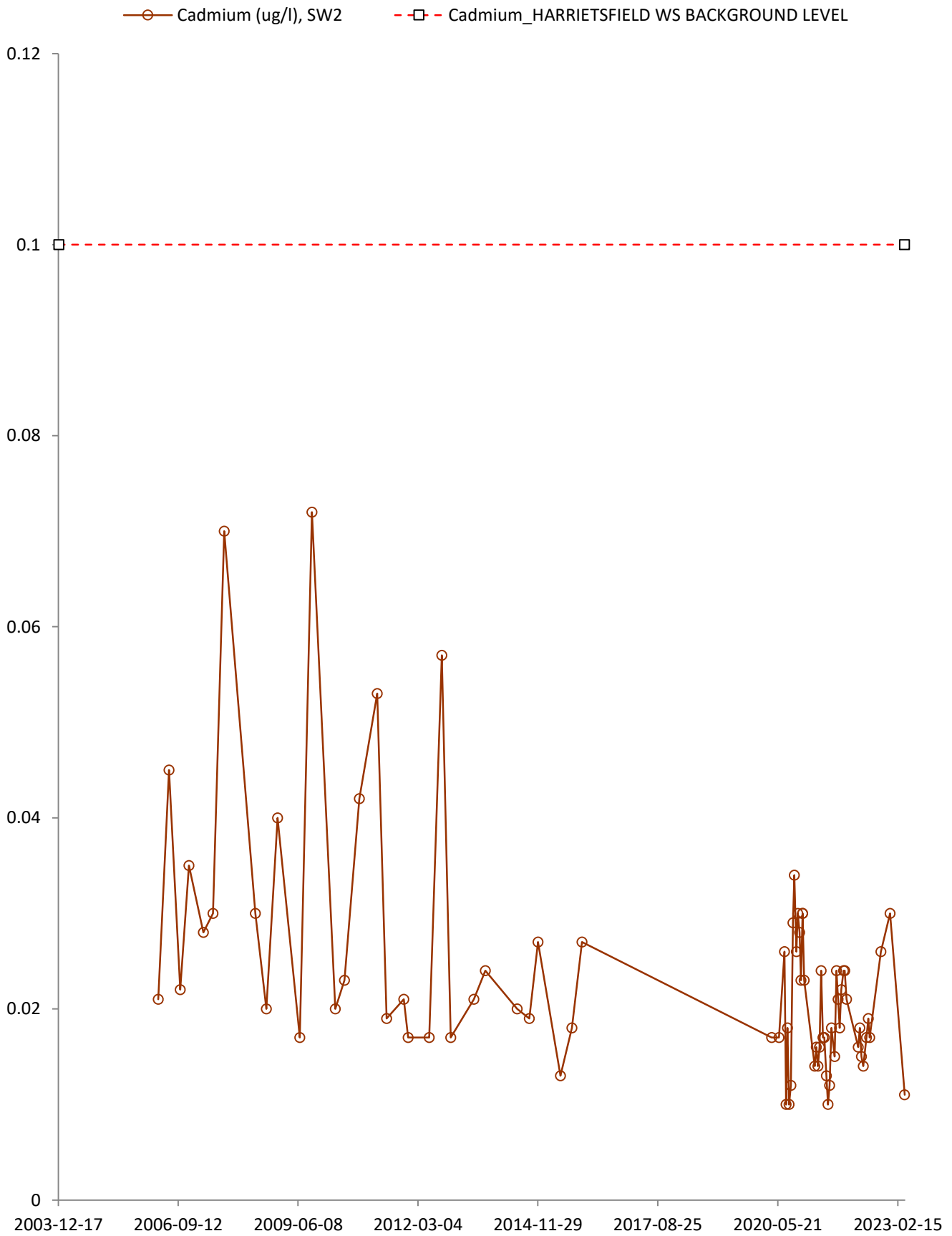


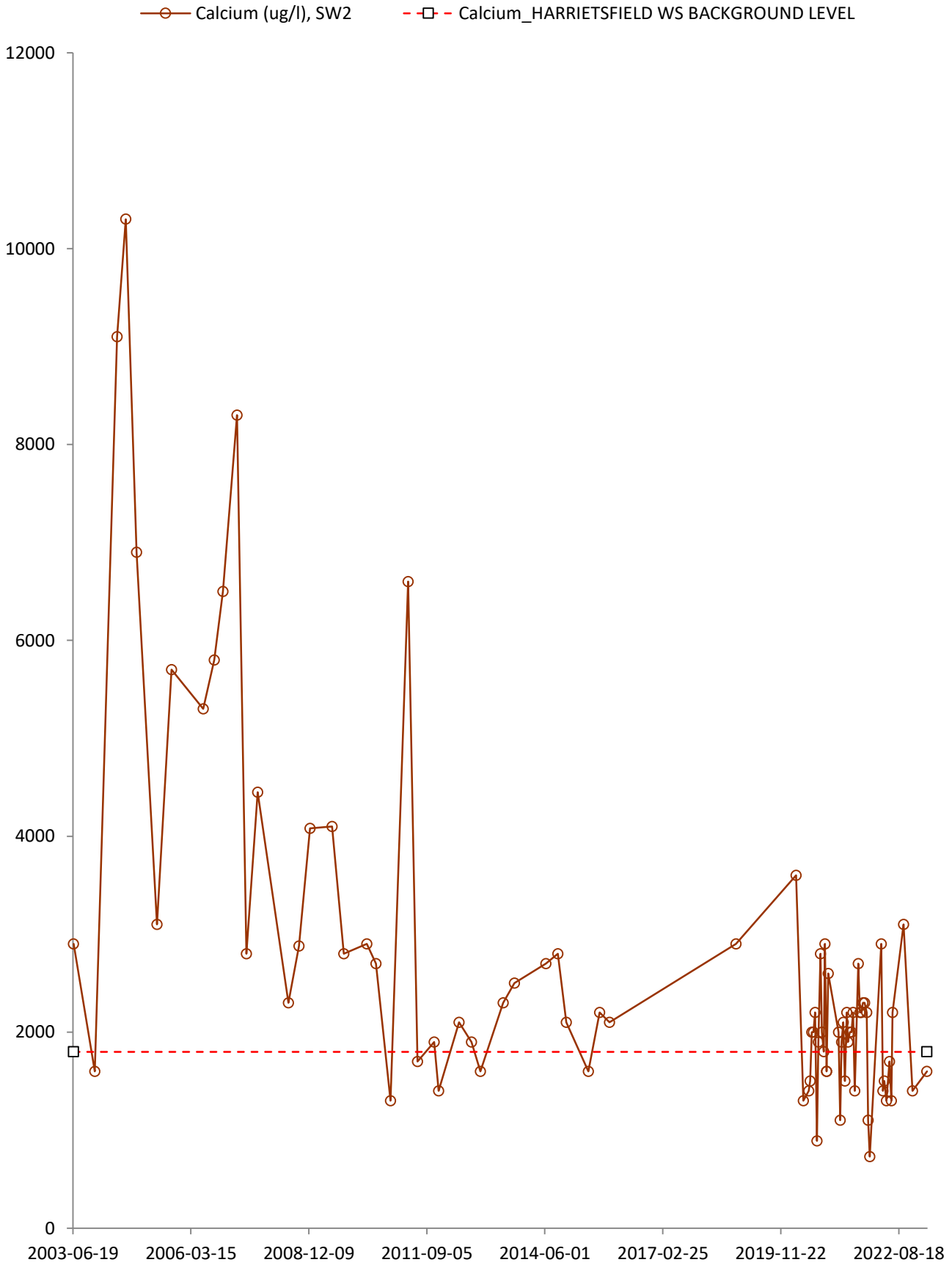


—○— BOD Carbonaceous (mg/l), SW2 - -□- - BOD Carbonaceous_HARRIETSFIELD WS BACKGROUND LEVEL

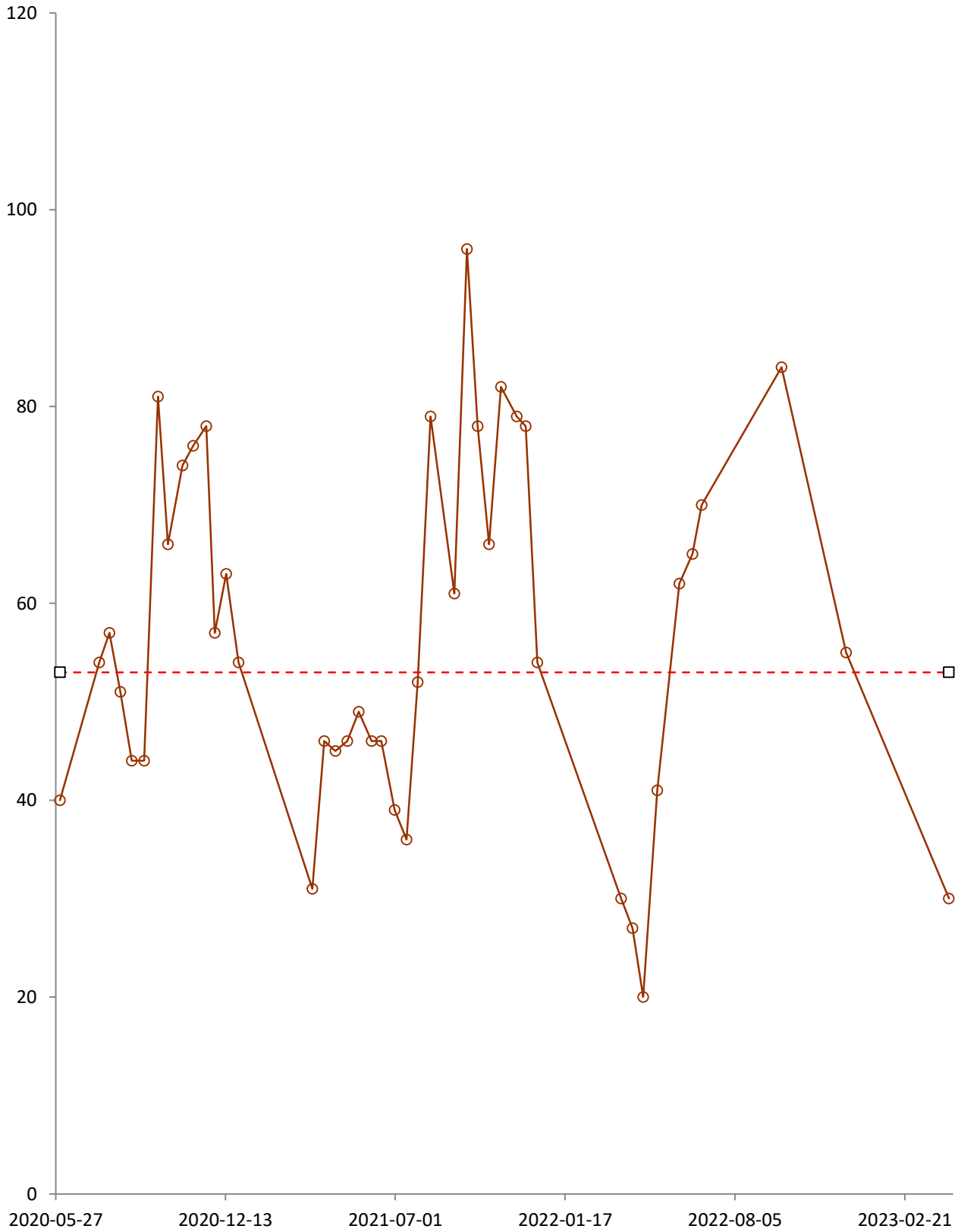


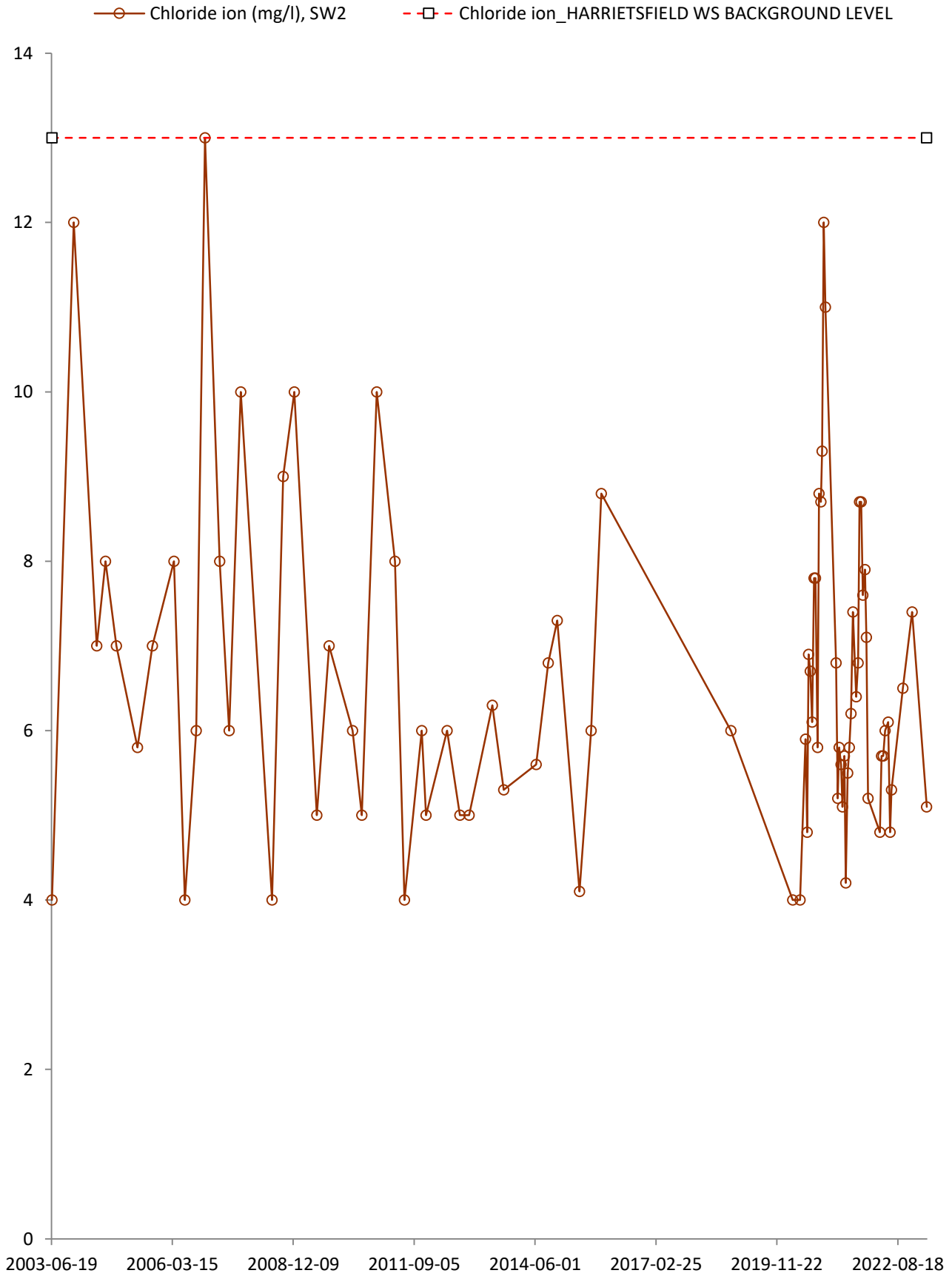


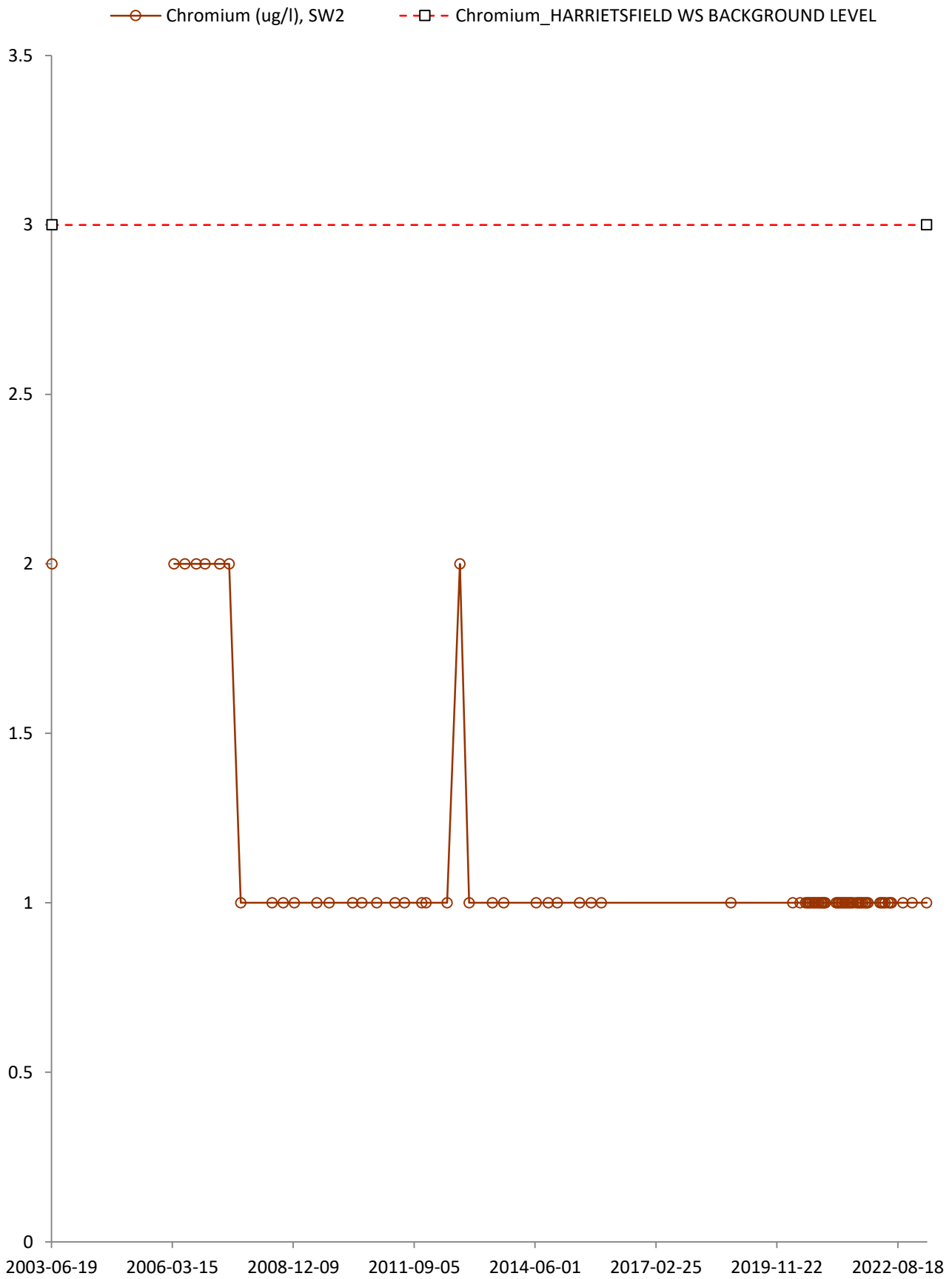


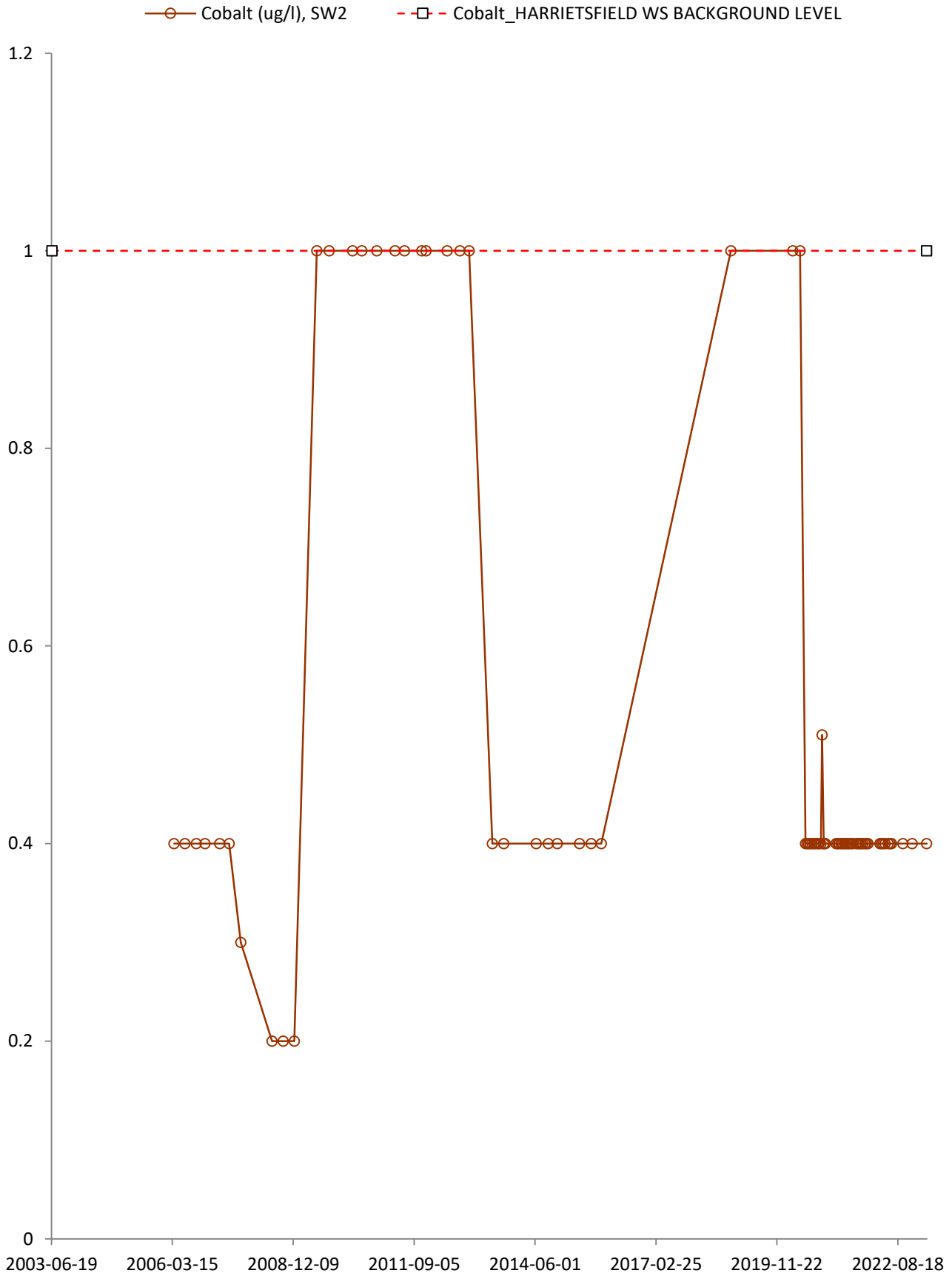


- Chemical Oxygen Demand (mg/l), SW2
- Chemical Oxygen Demand_HARRIETSFIELD WS BACKGROUND LEVEL

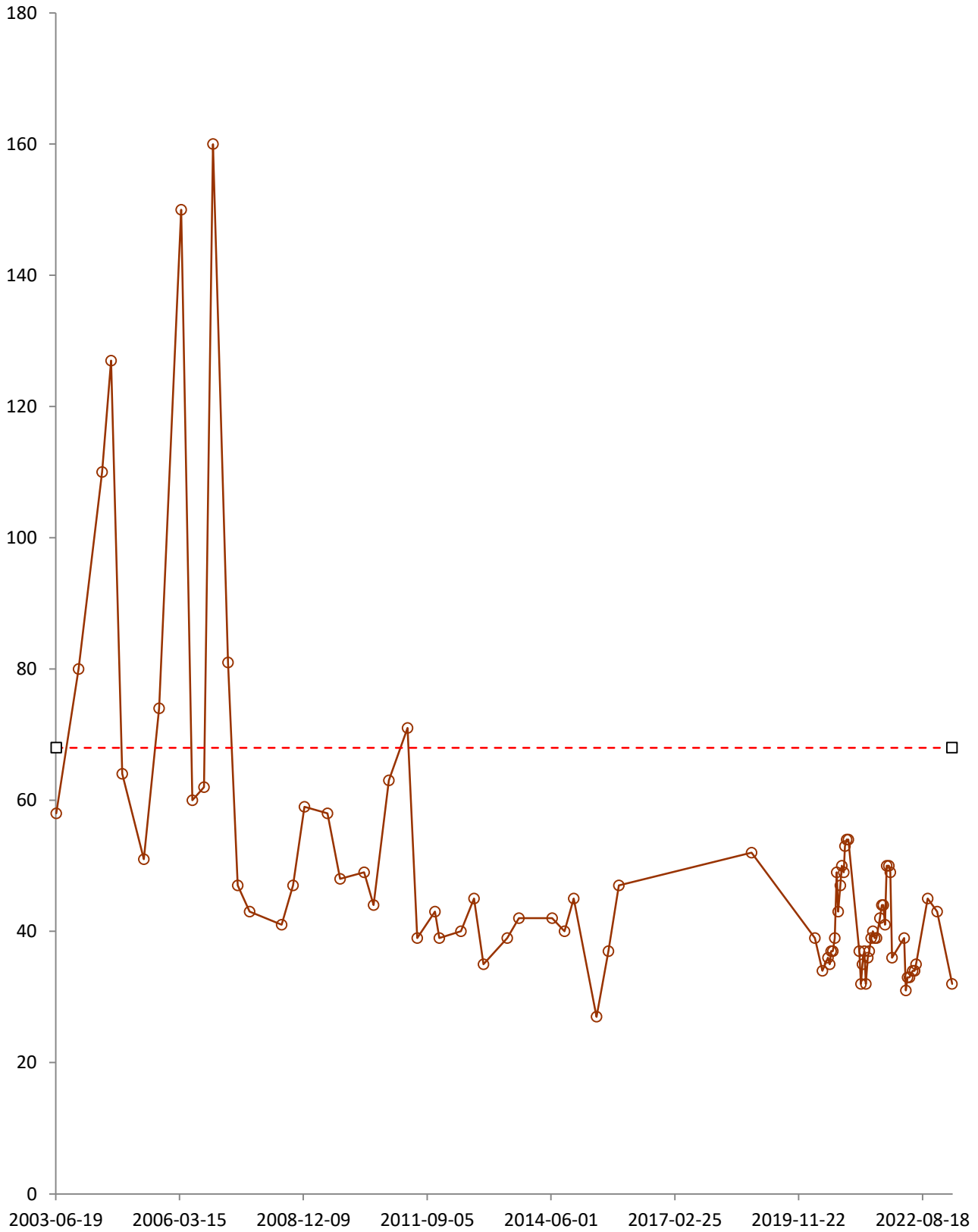


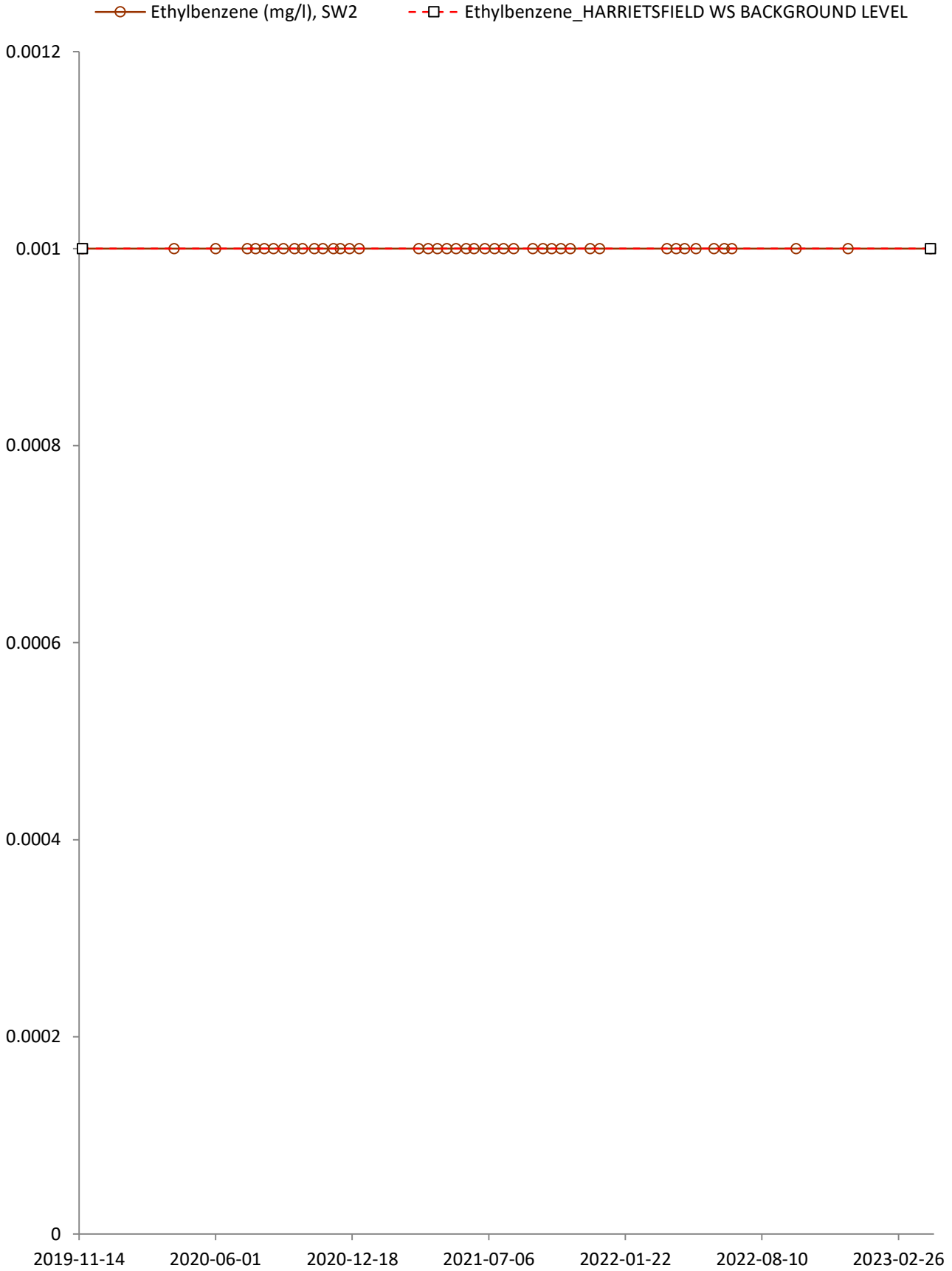


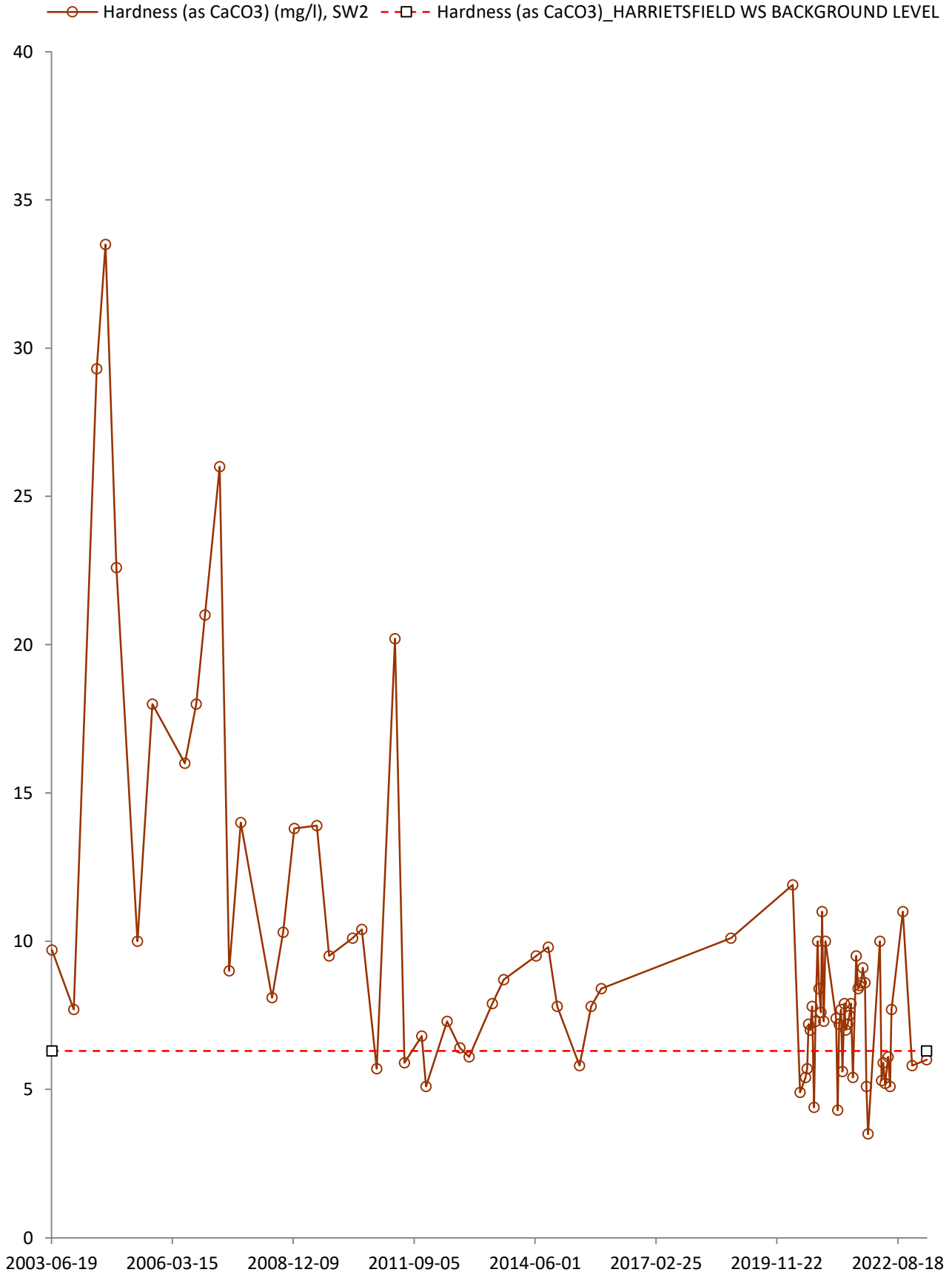




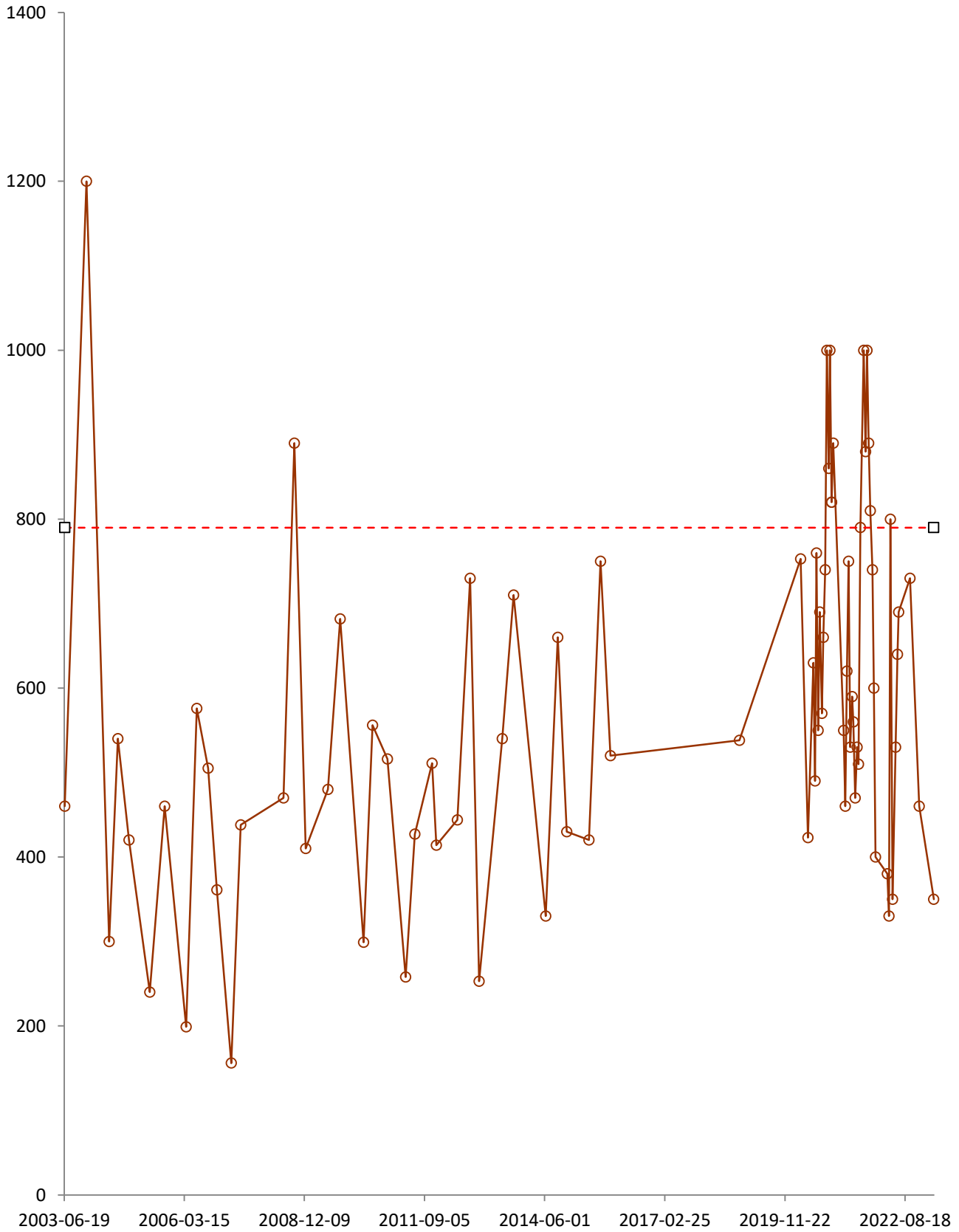
- Electrical Conductivity (umhos/cm), SW2
- -□- - Electrical Conductivity_HARRIETSFIELD WS BACKGROUND LEVEL



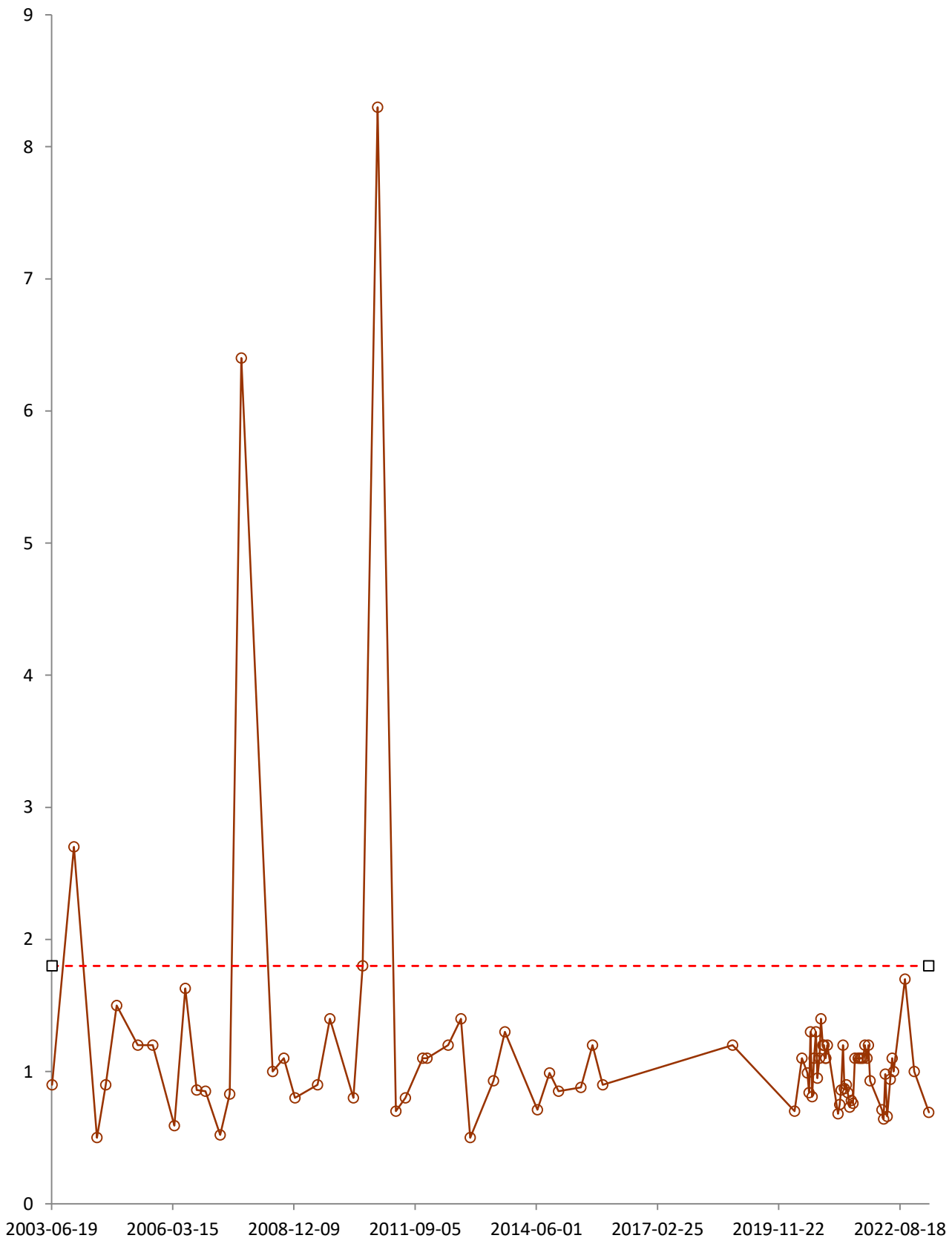


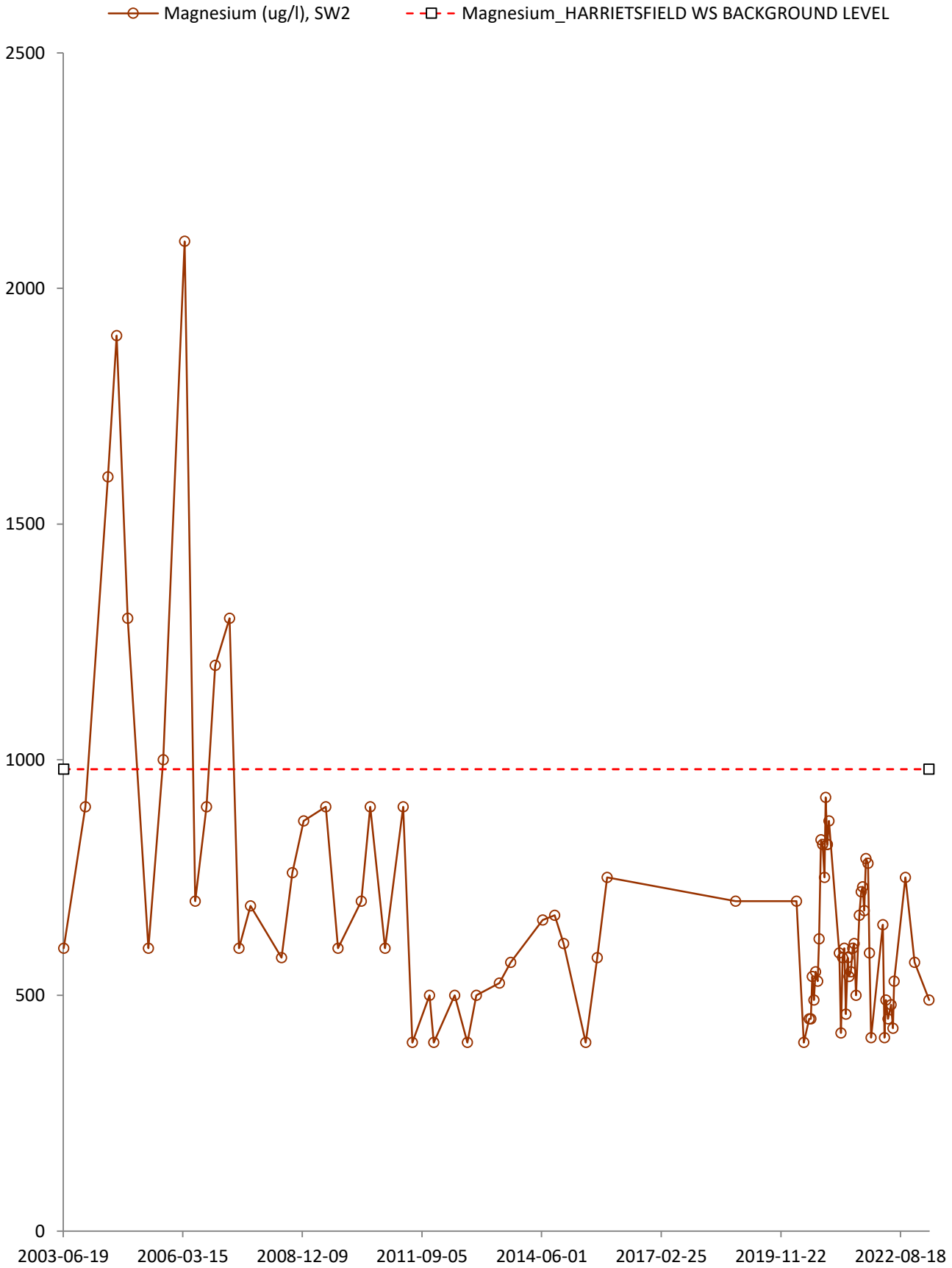


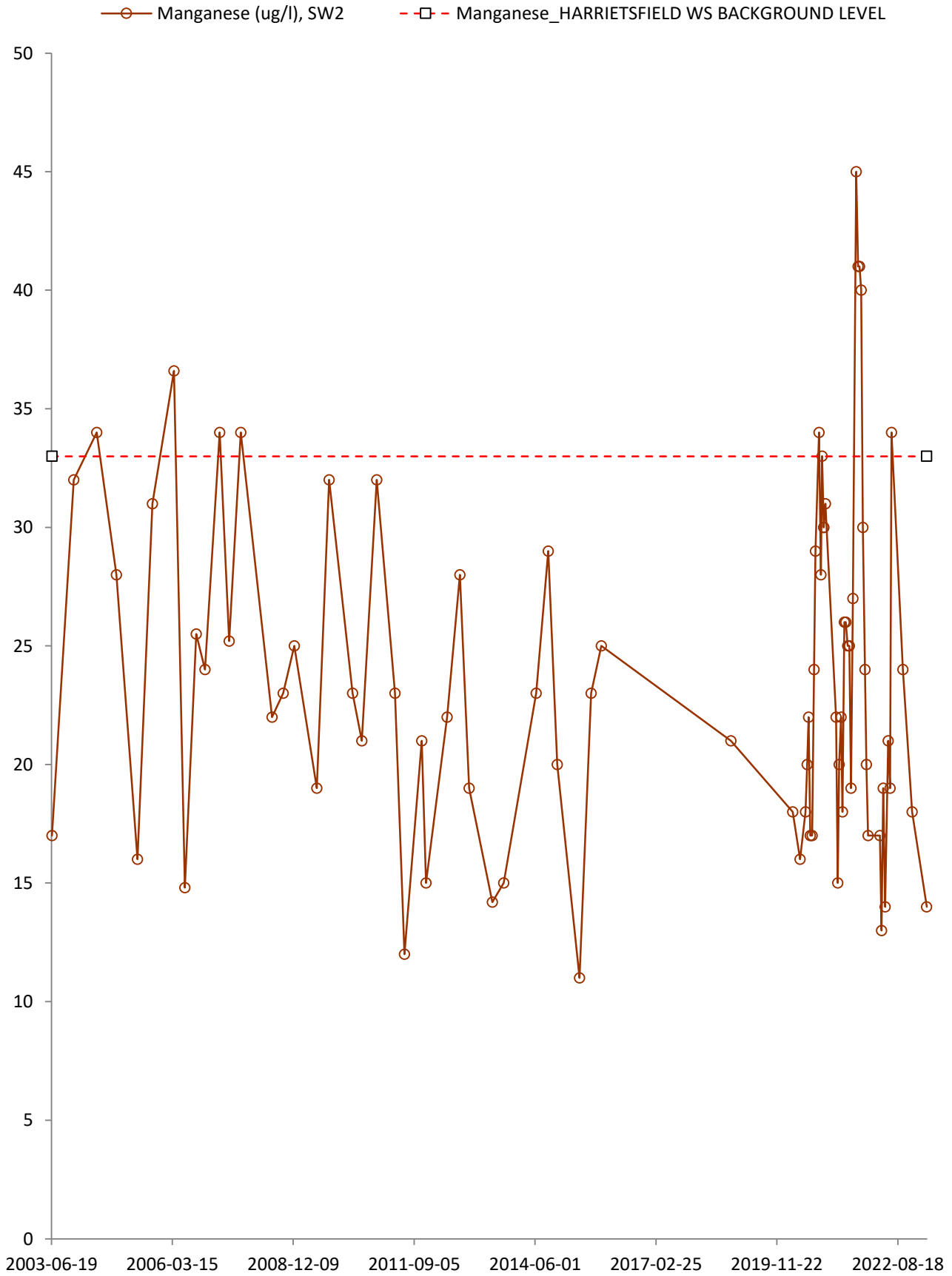
—○— Iron (ug/l), SW2 - -□- - Iron_HARRIETSFIELD WS BACKGROUND LEVEL



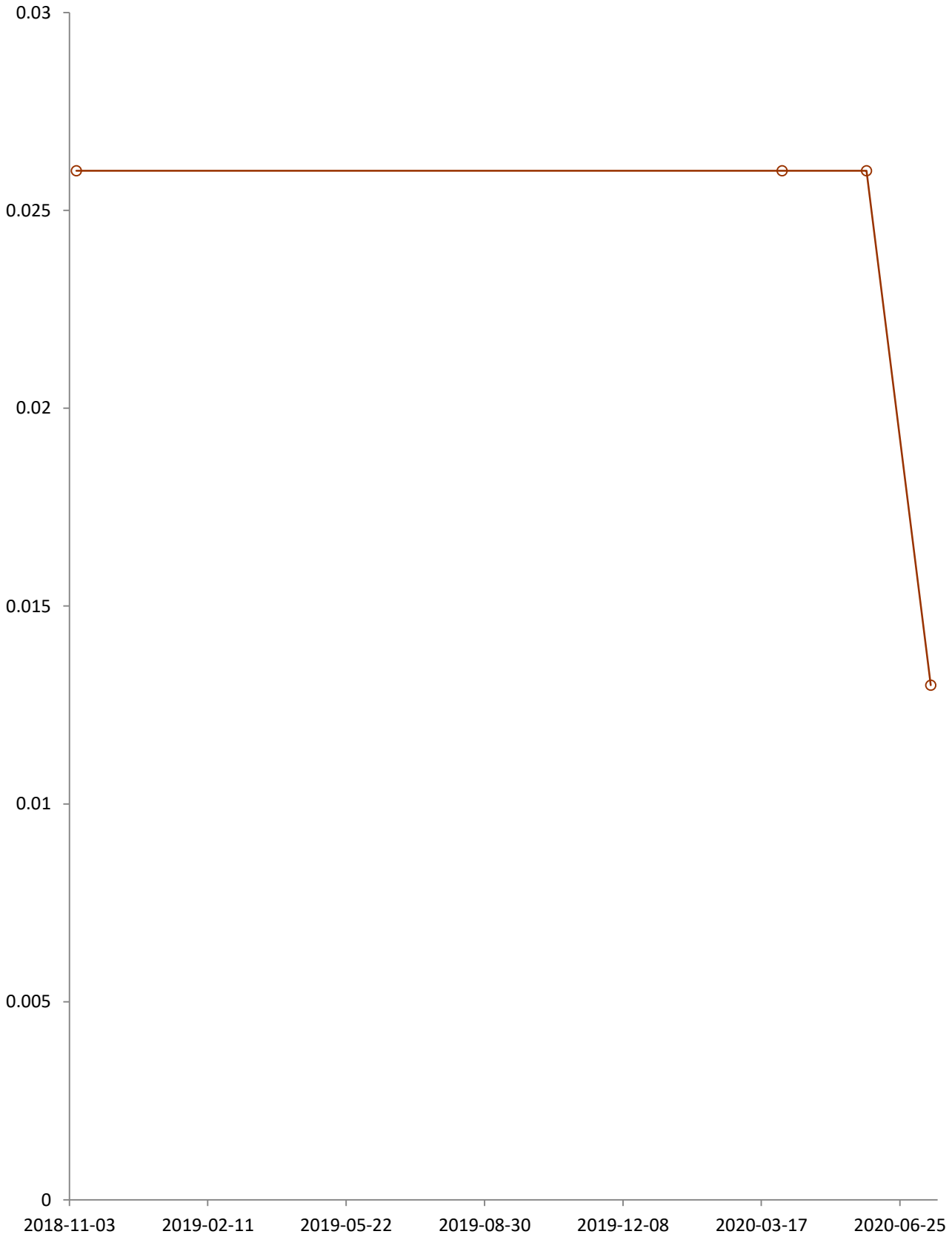
Lead (ug/l), SW2 Lead_HARRIETSFIELD WS BACKGROUND LEVEL

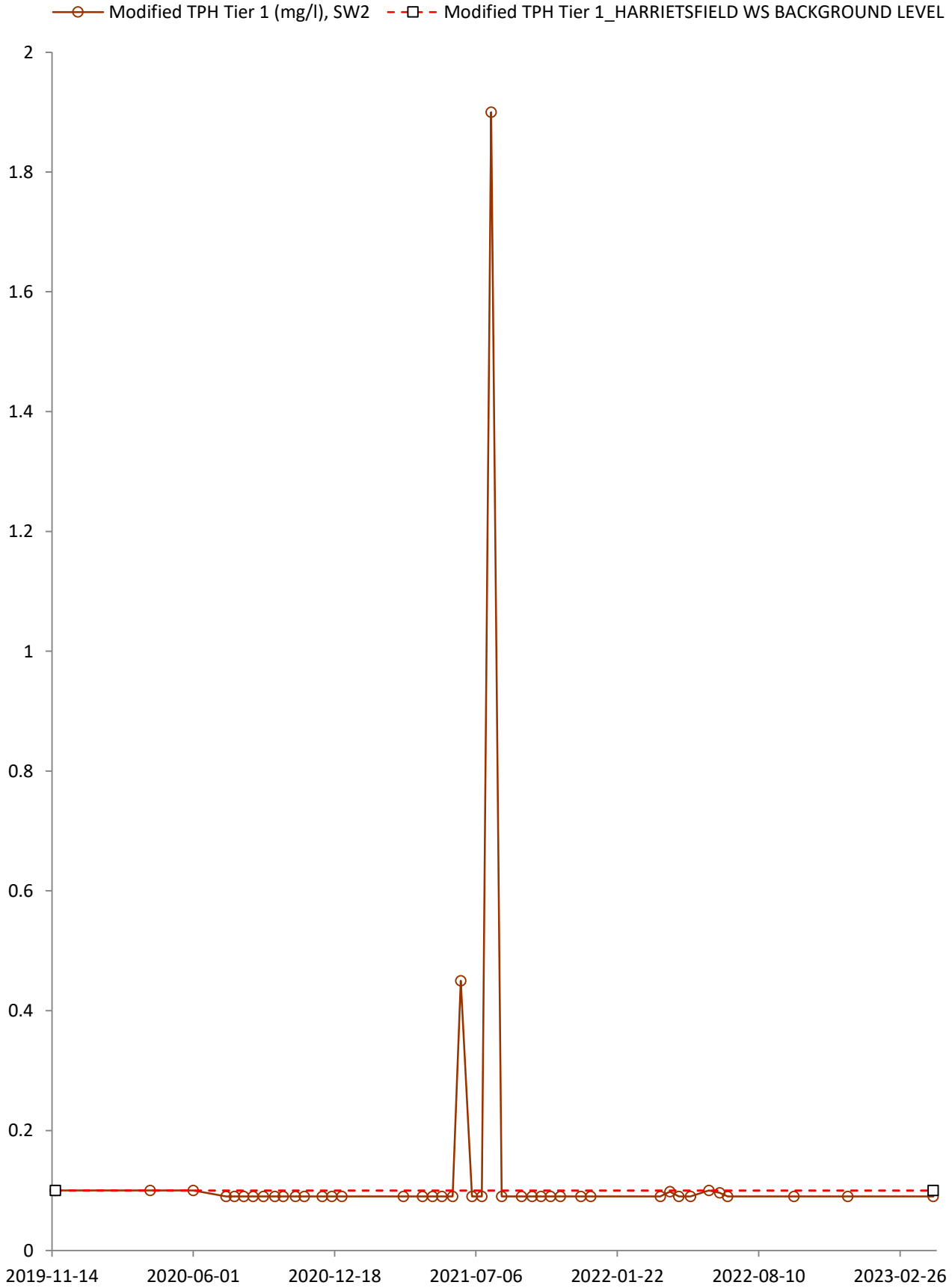


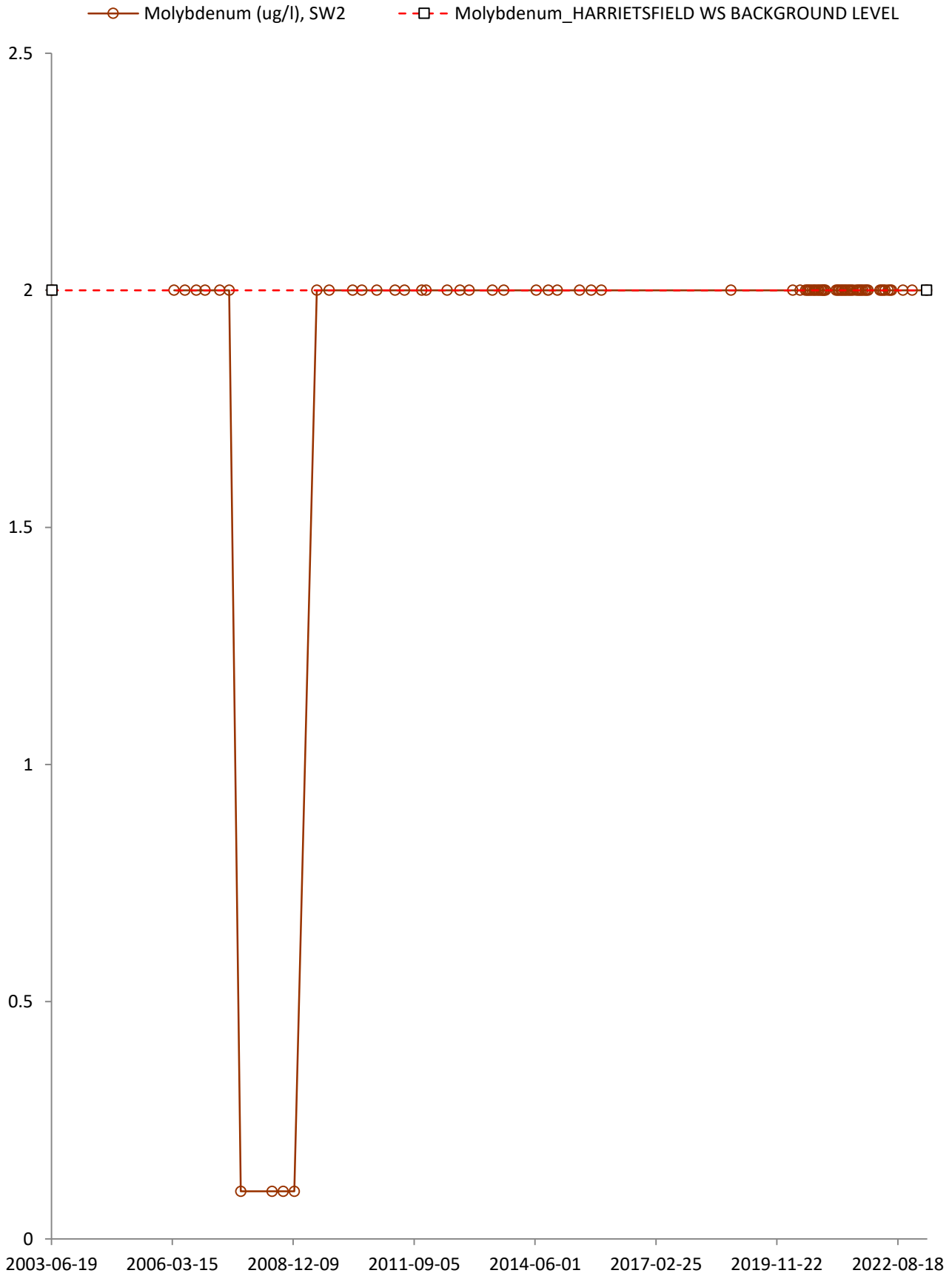


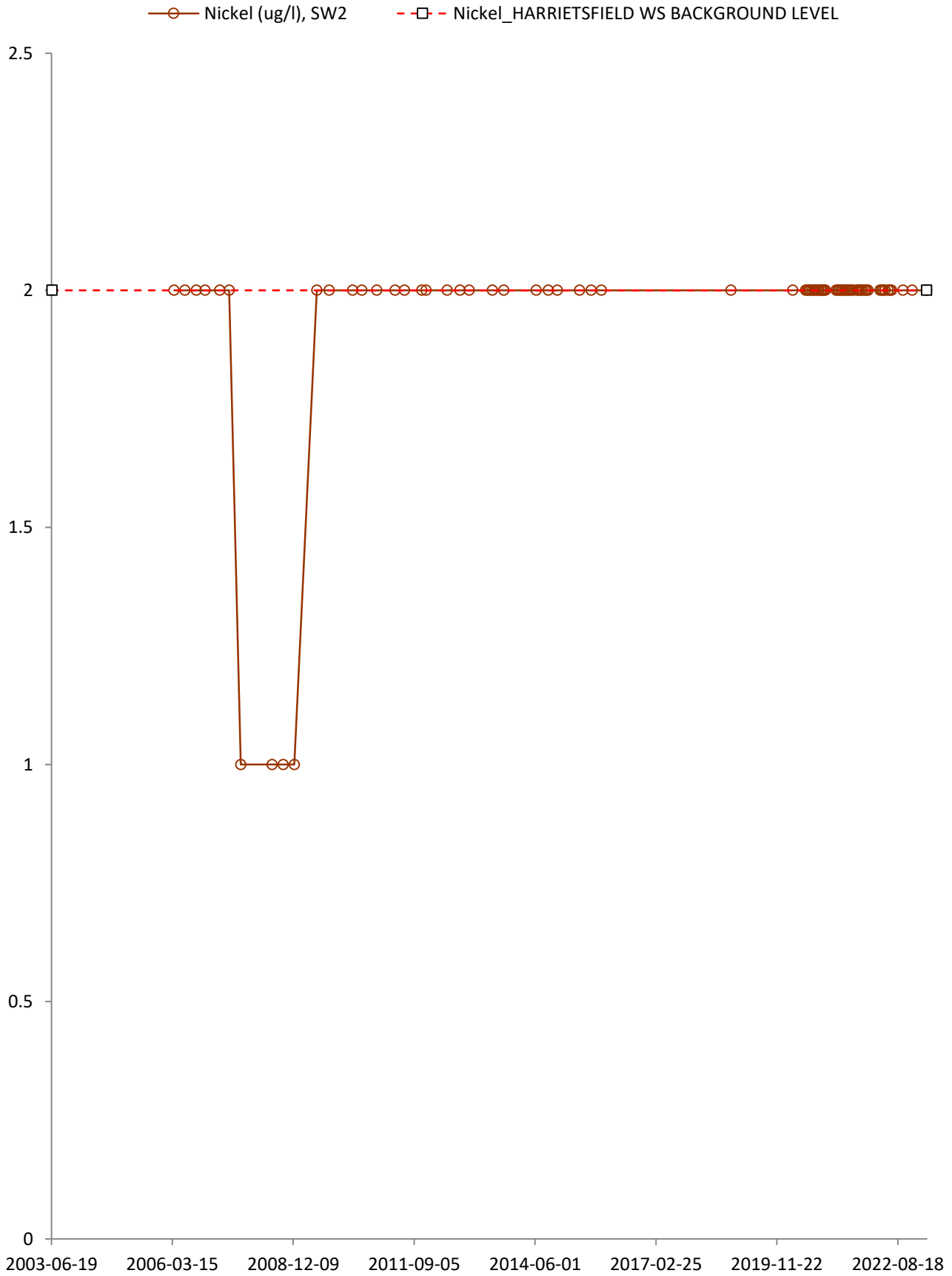


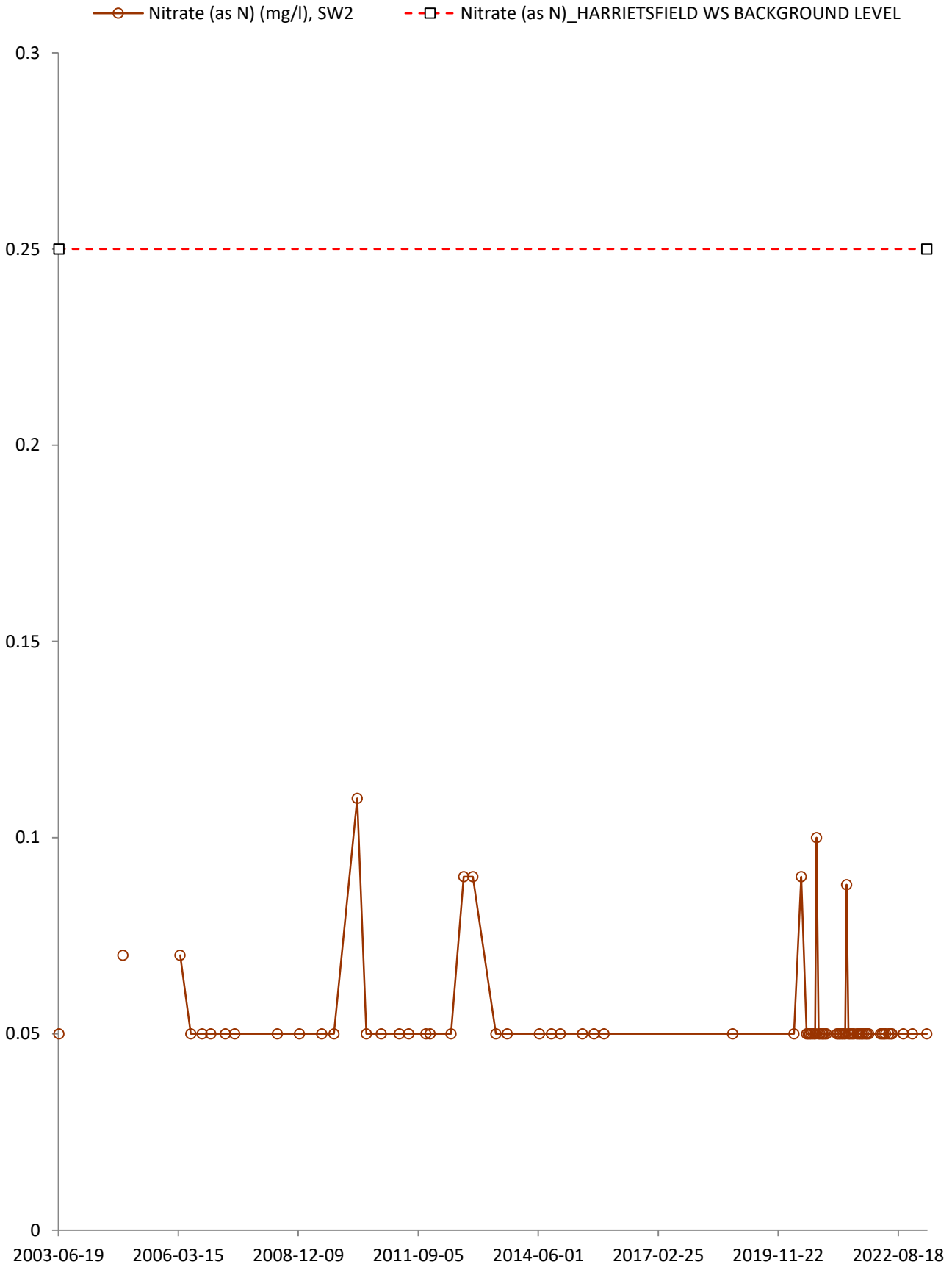
Mercury (ug/l), SW2

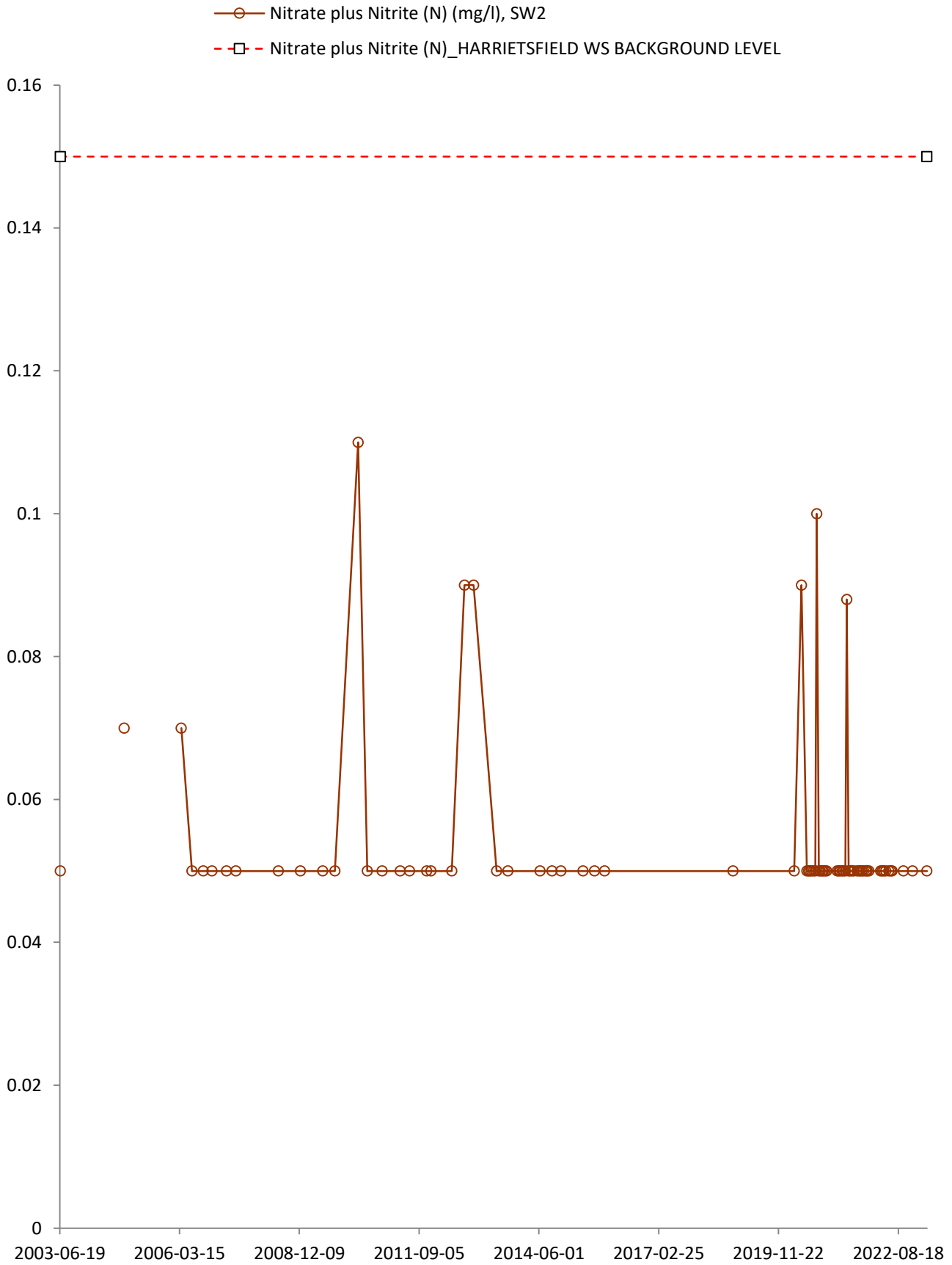


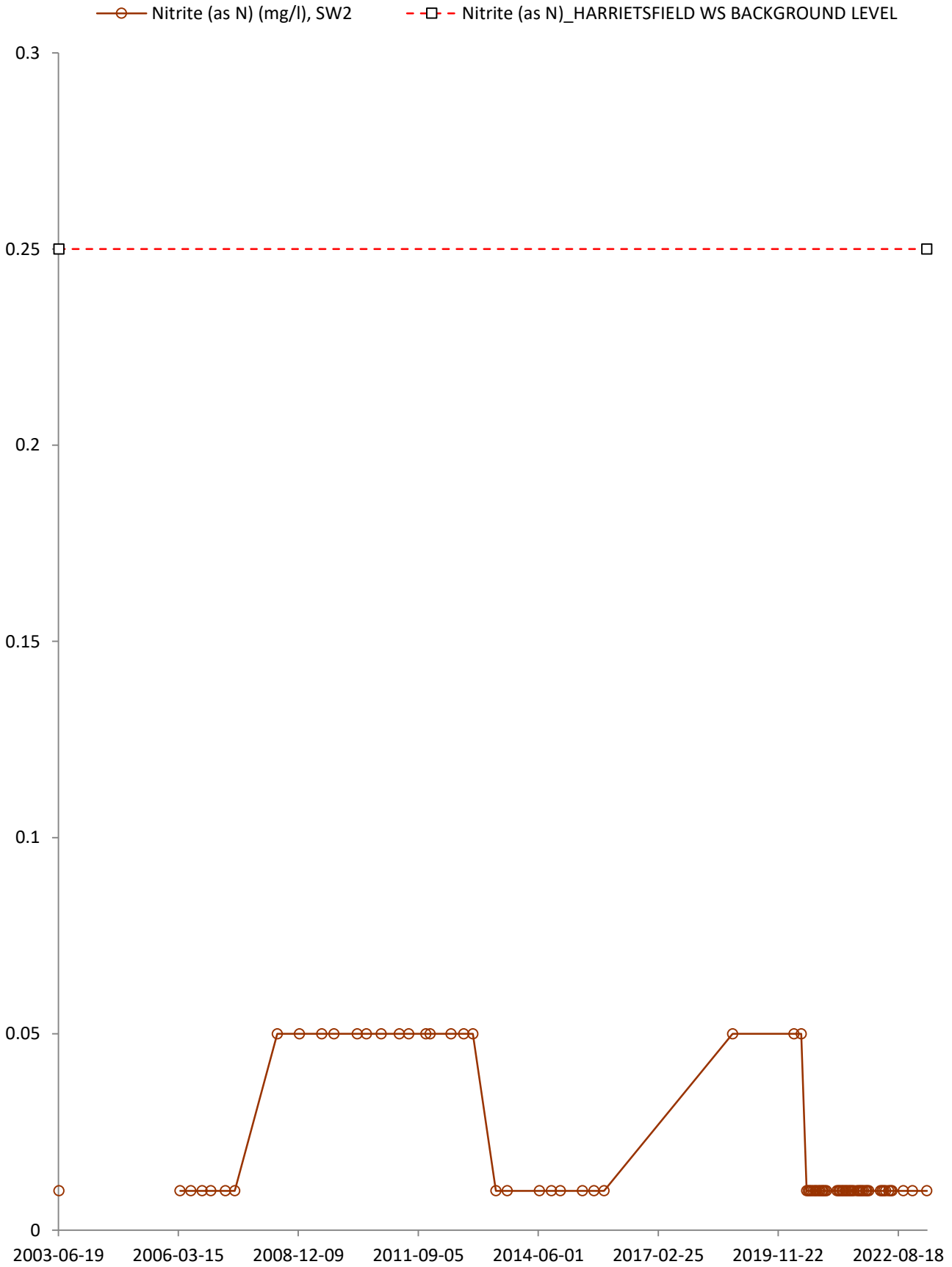




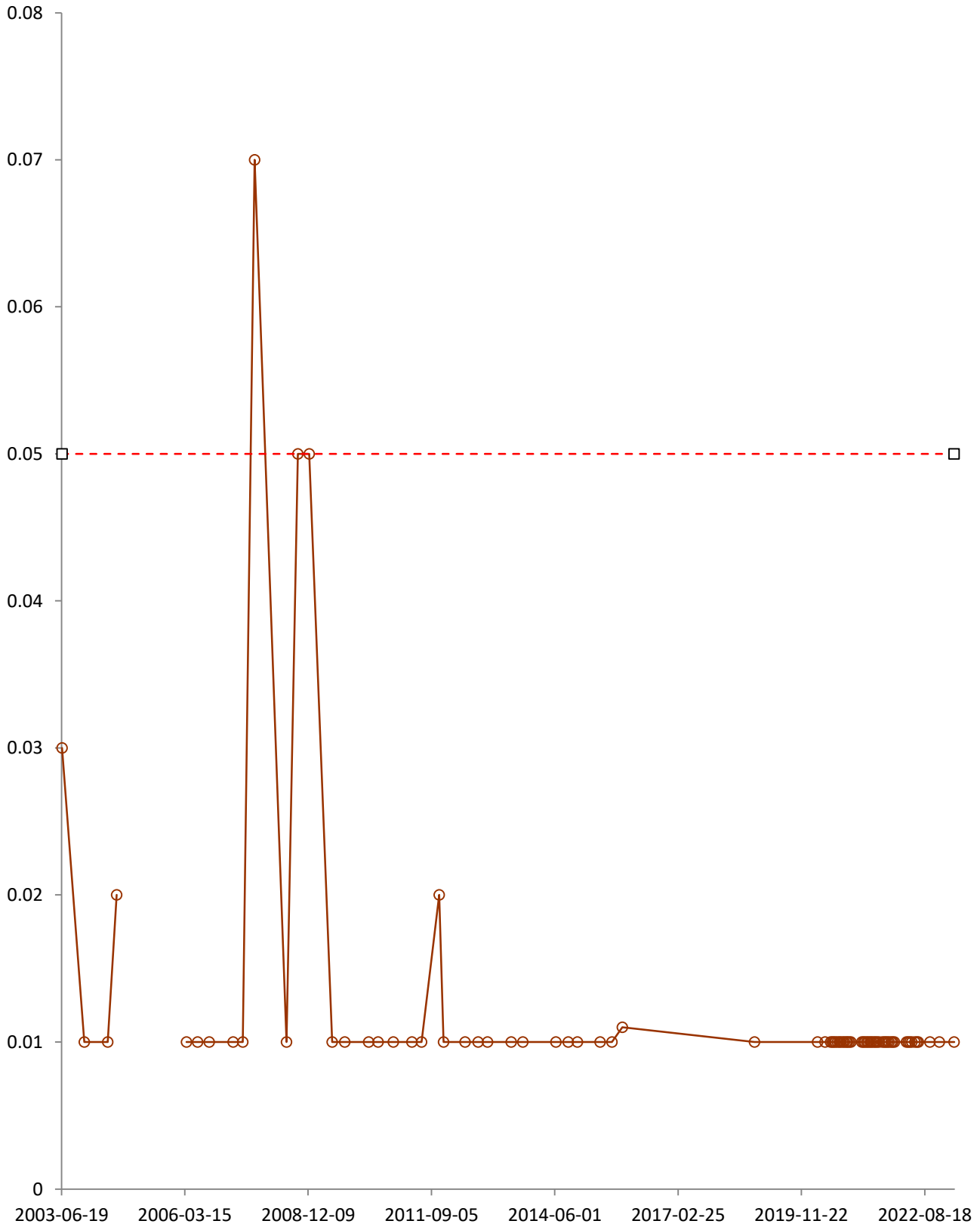


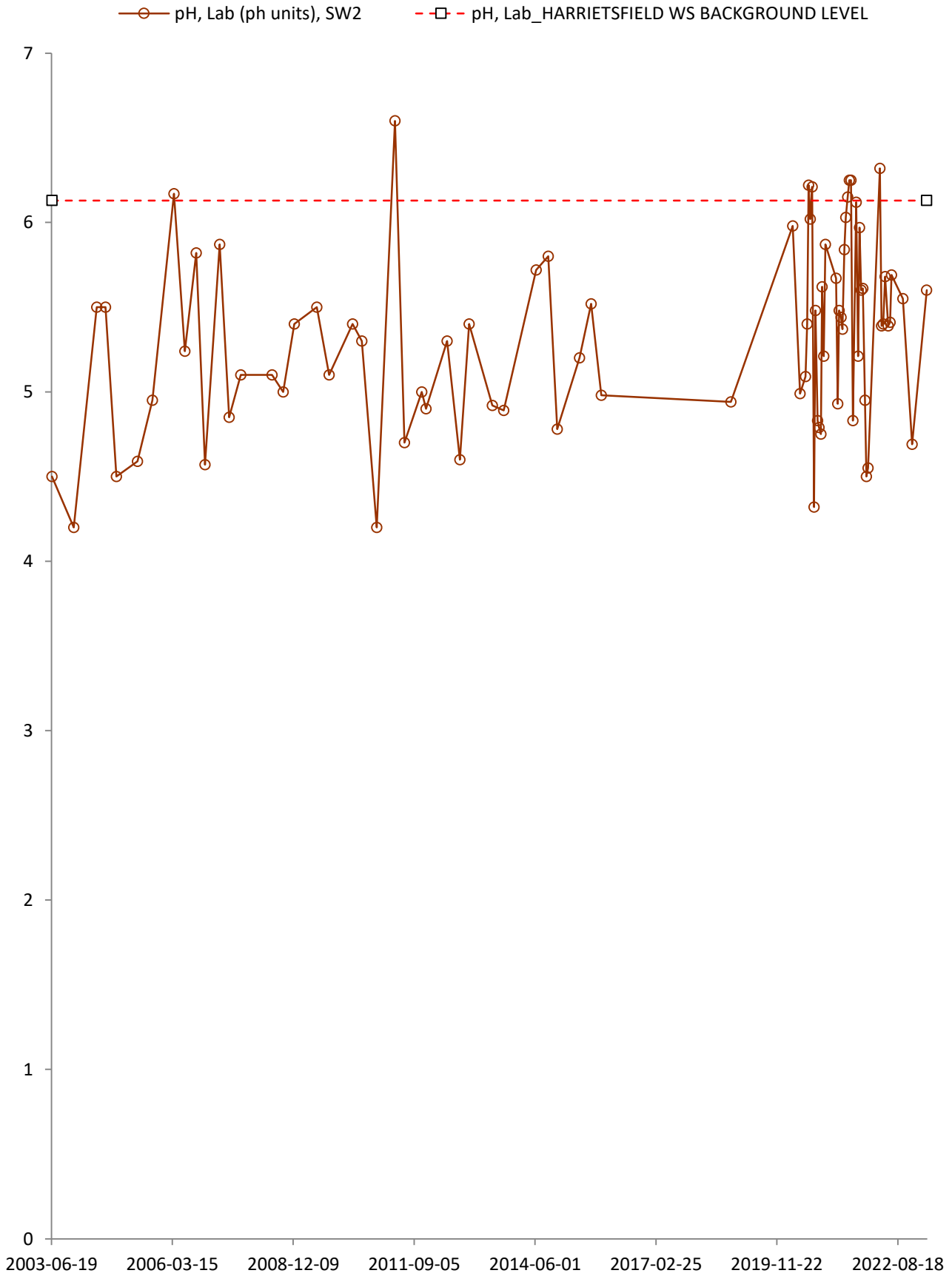


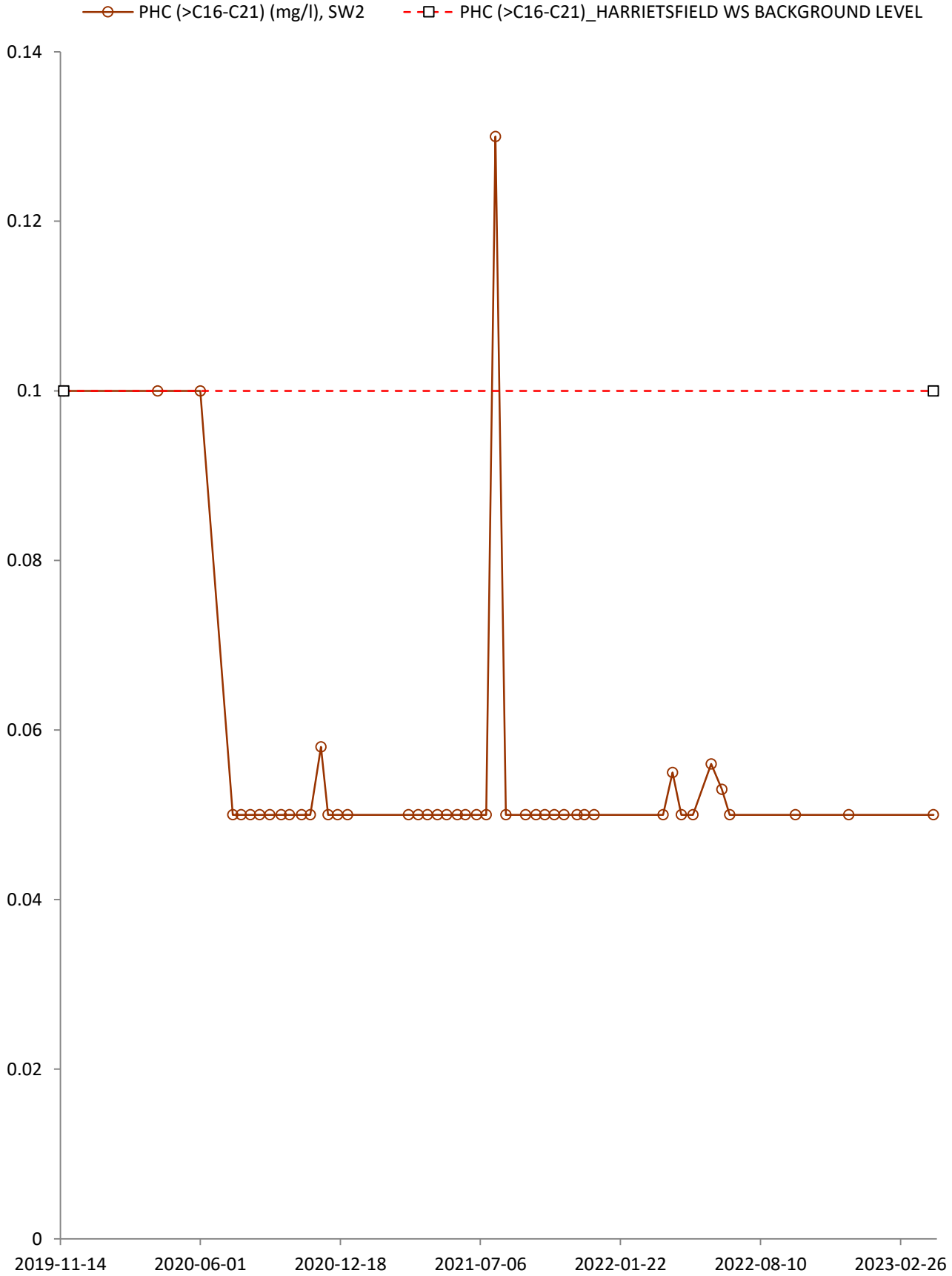


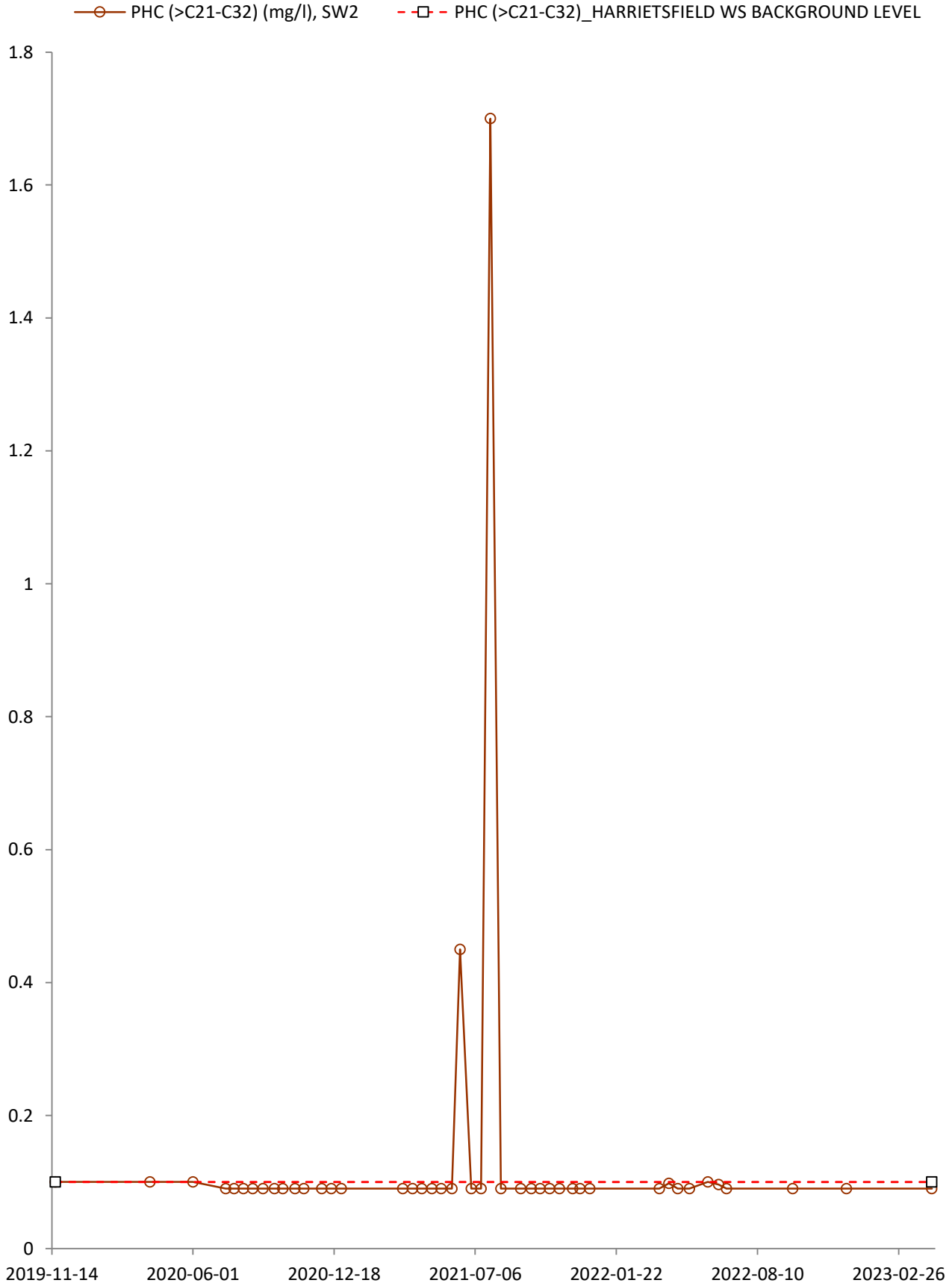


- Orthophosphate(as P) (mg/l), SW2
- -□- - Orthophosphate(as P)_HARRIETSFIELD WS BACKGROUND LEVEL

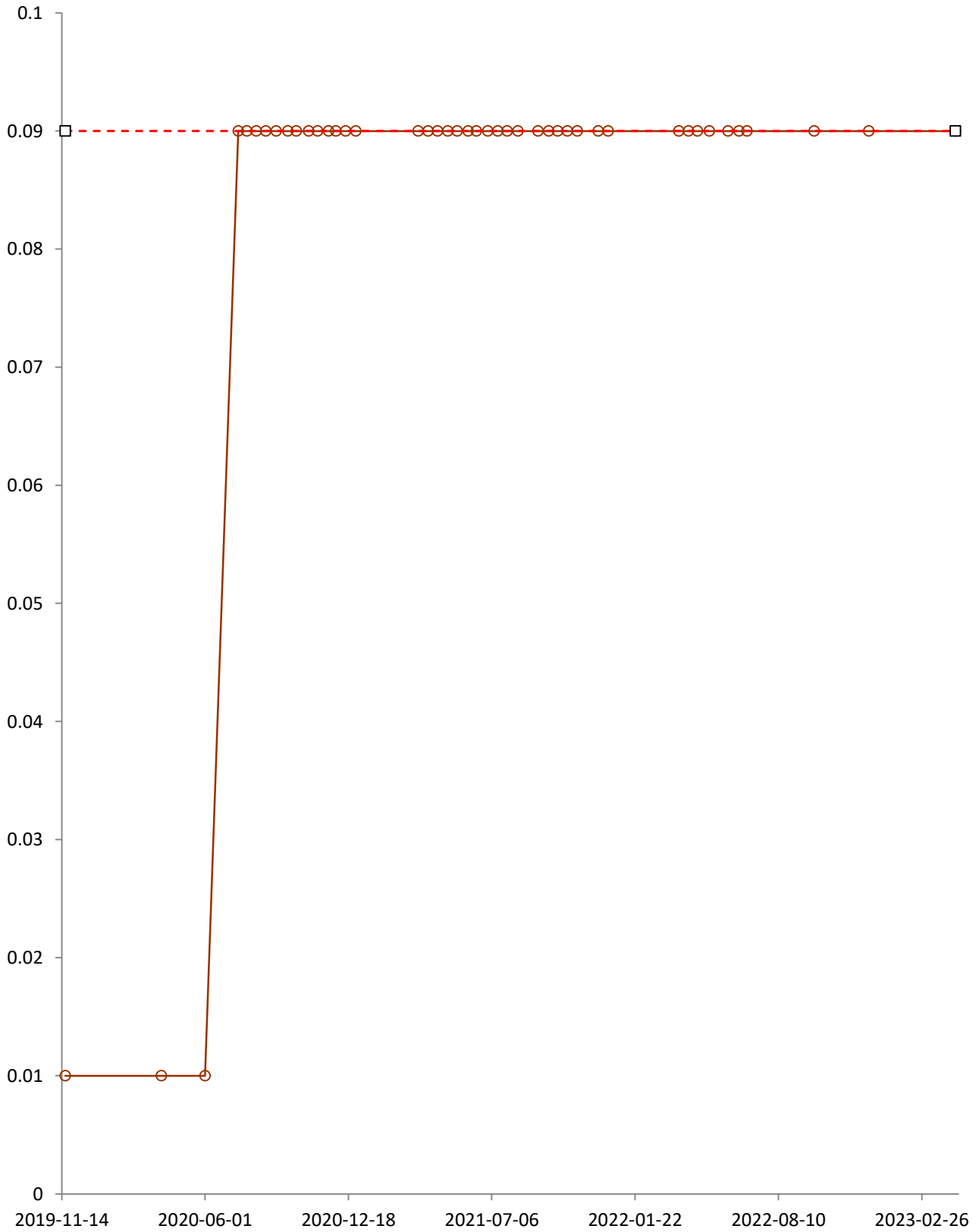


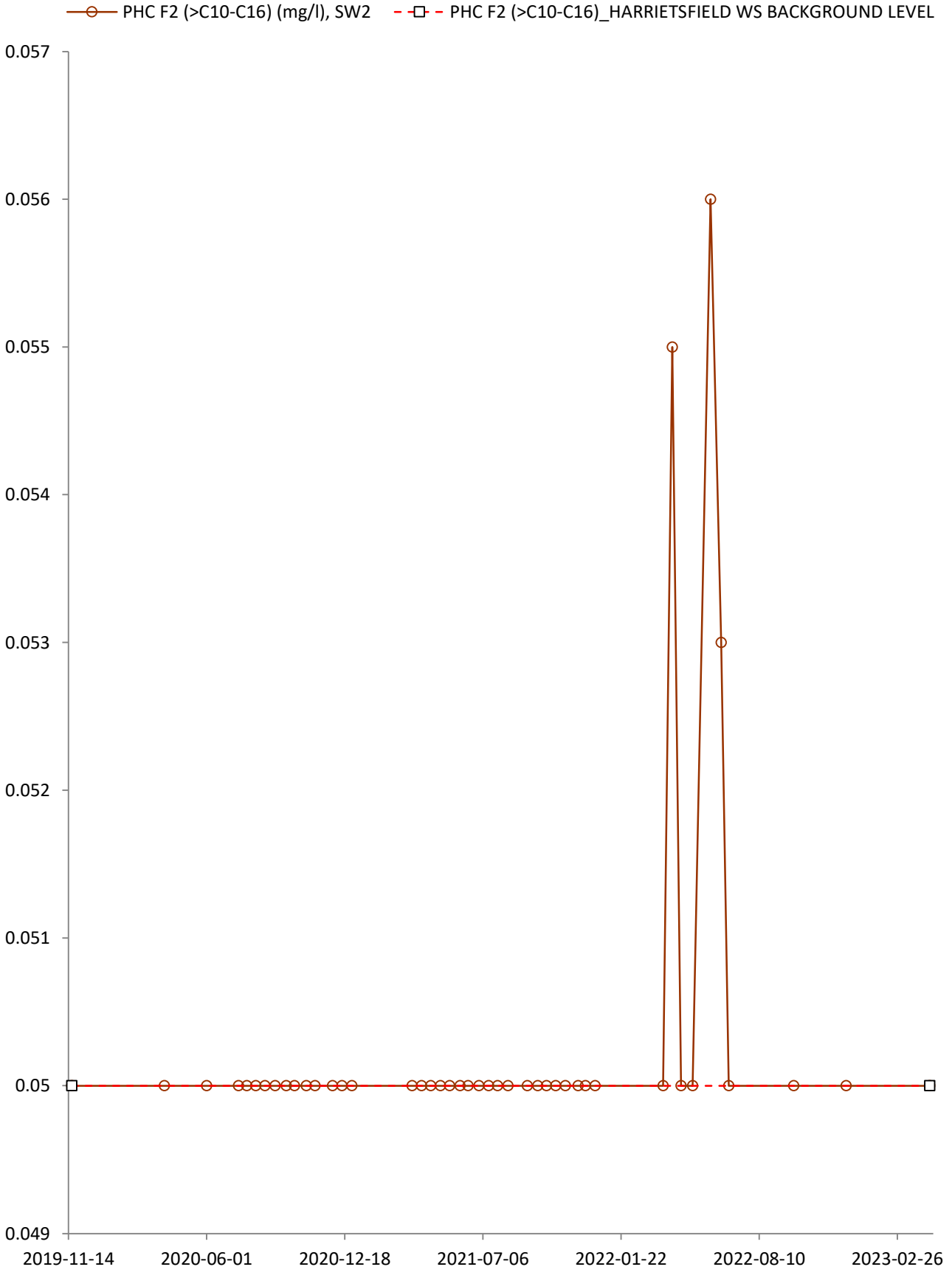


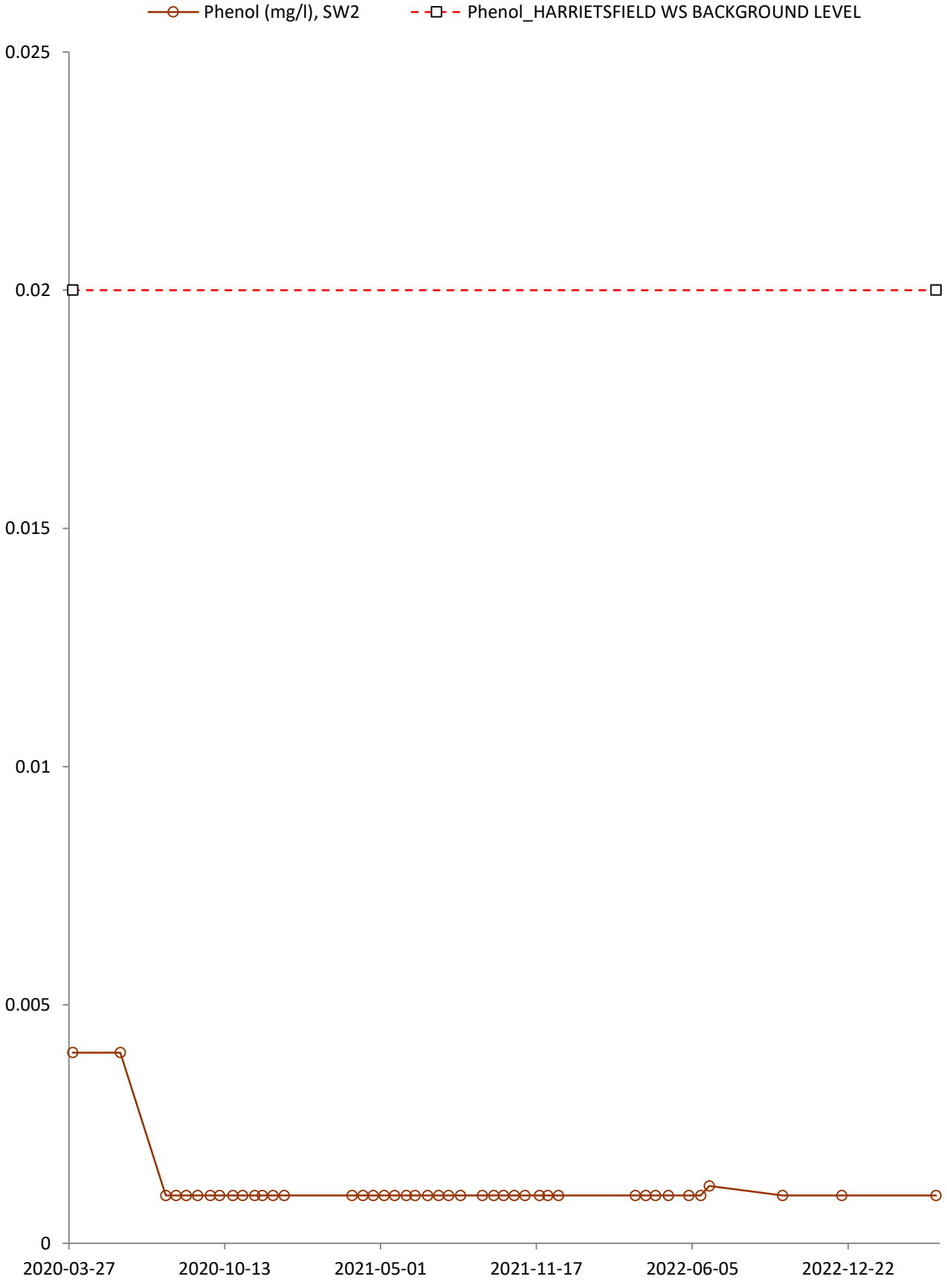


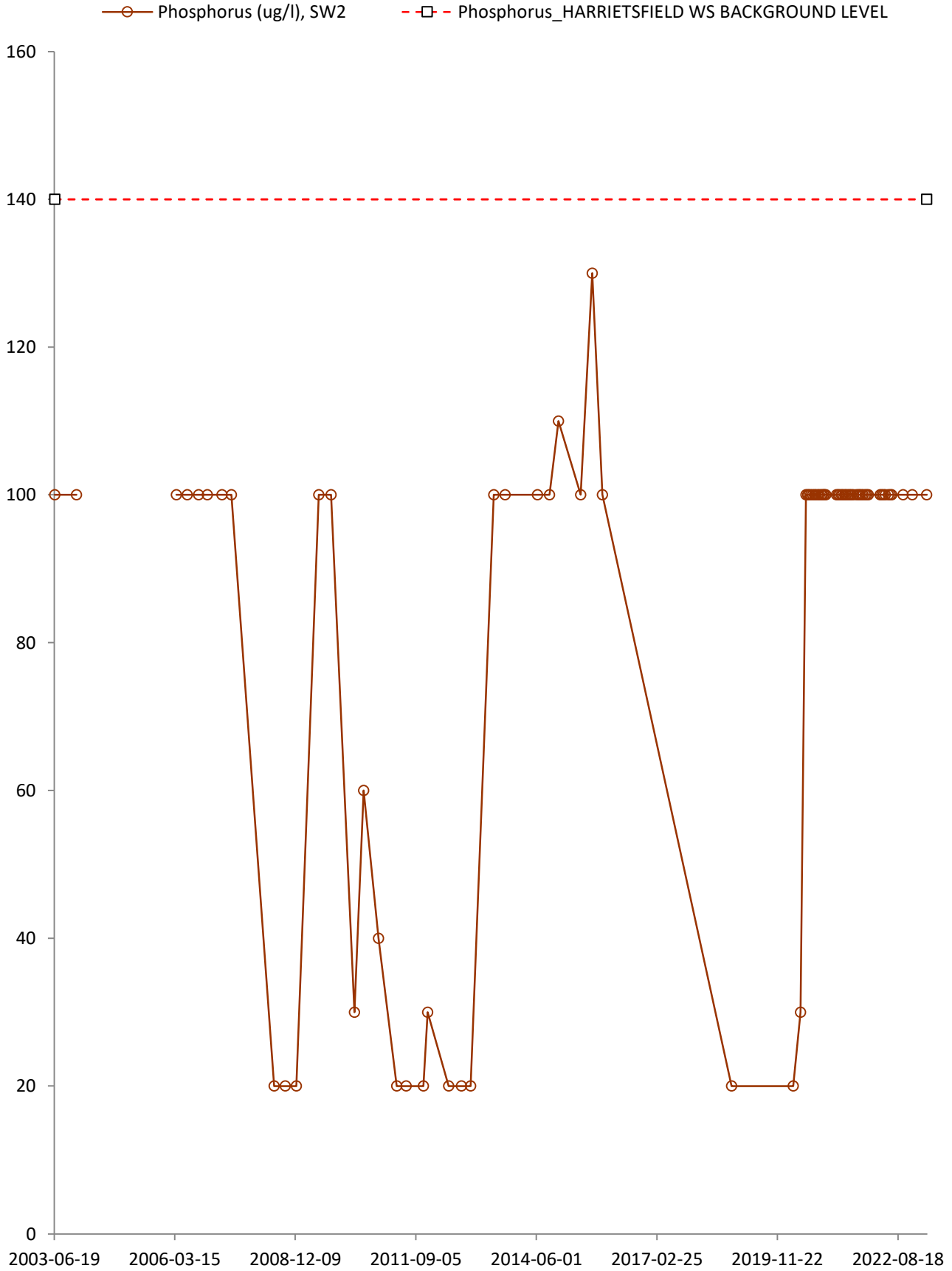


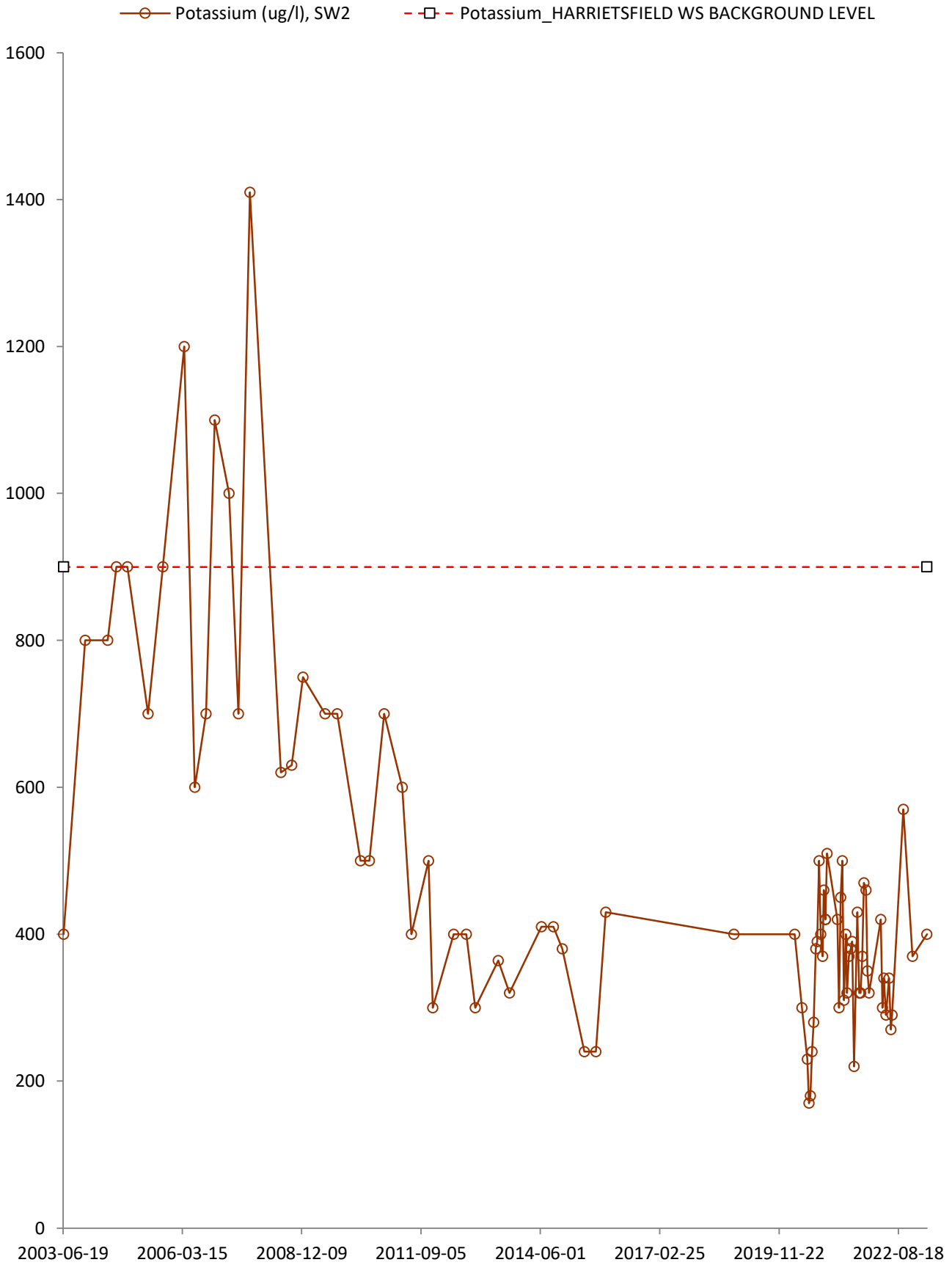
—○— PHC F1 (C6-C10) min BTEX (mg/l), SW2
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WS BACKGROUND LEVEL

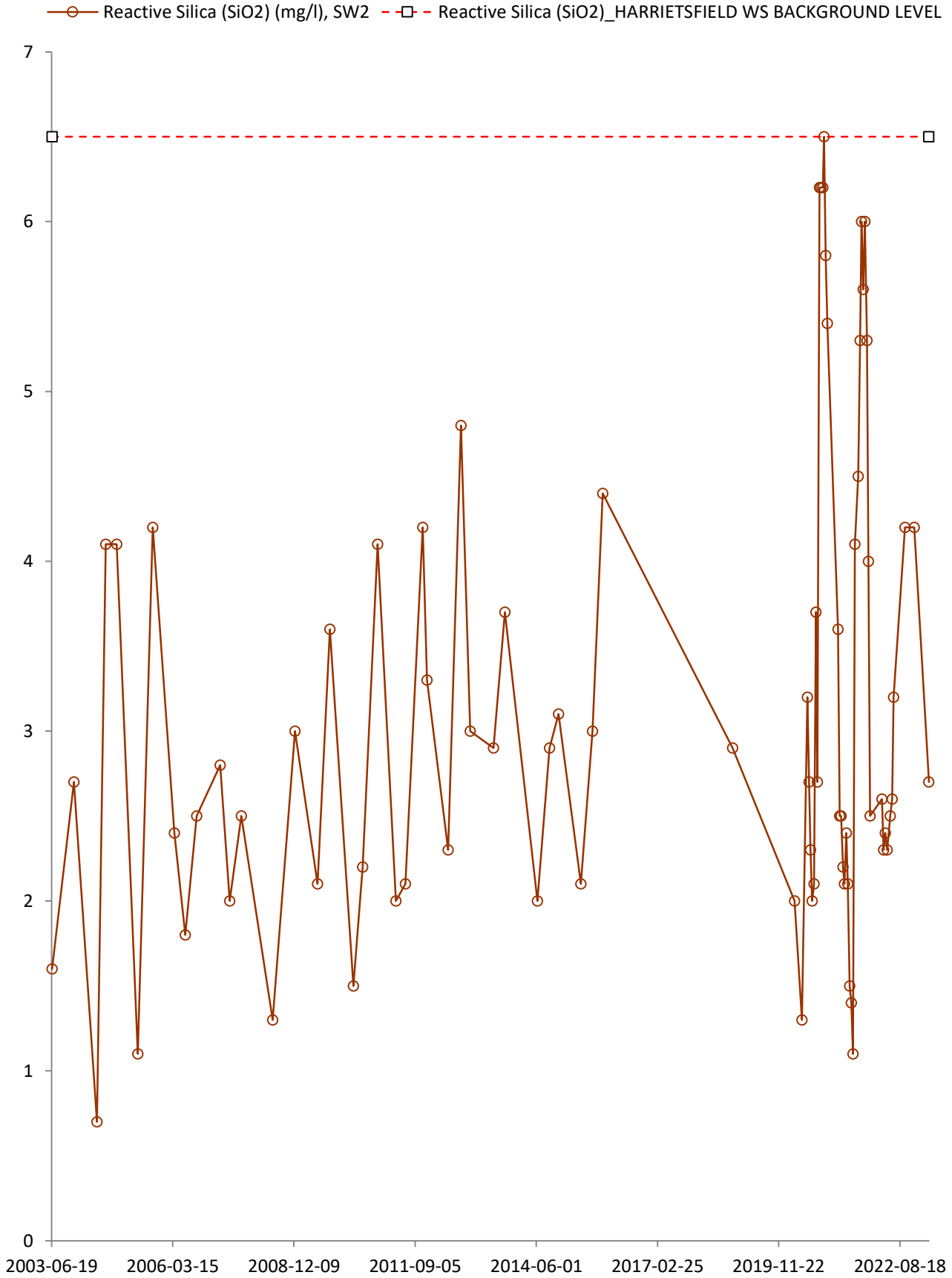




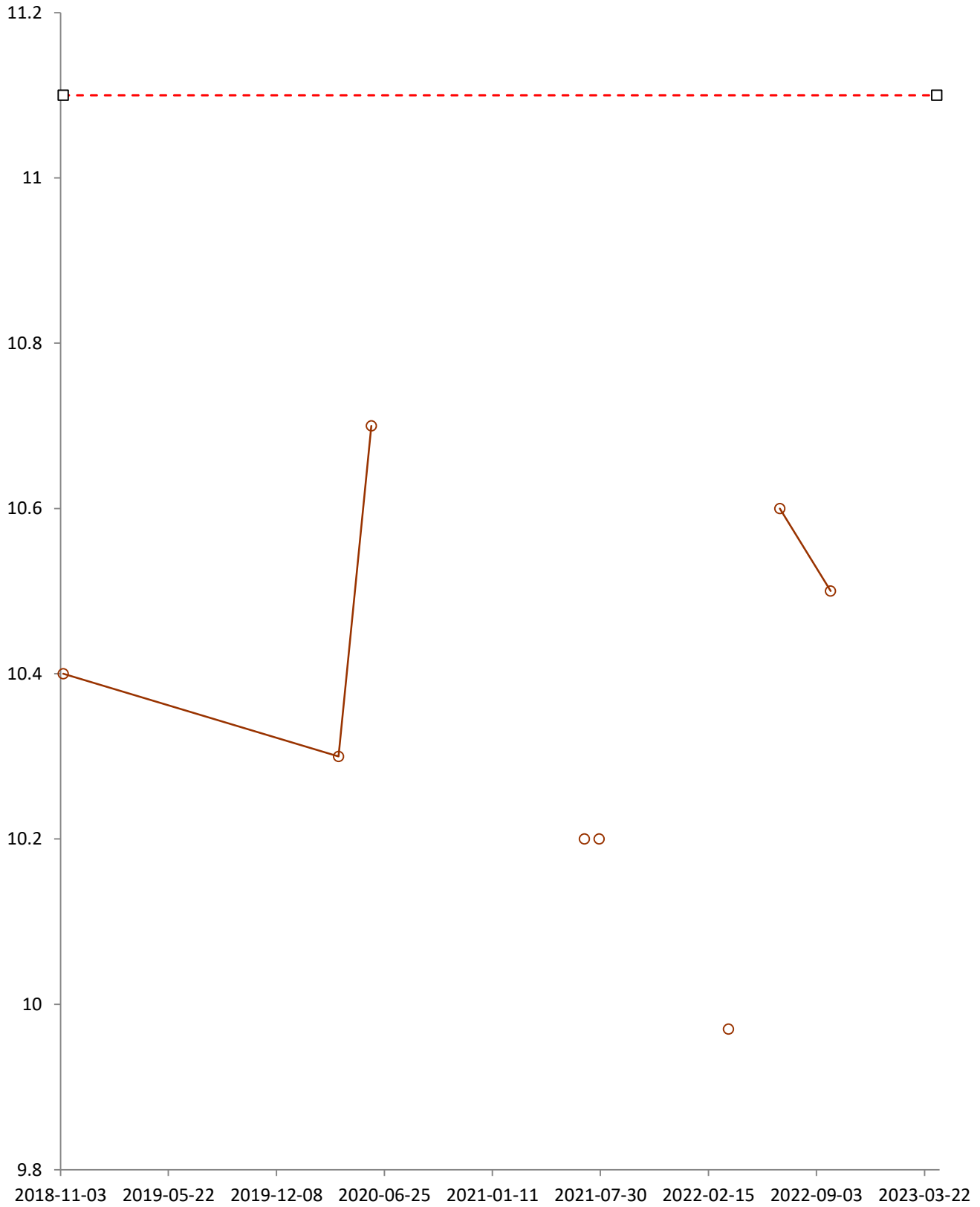


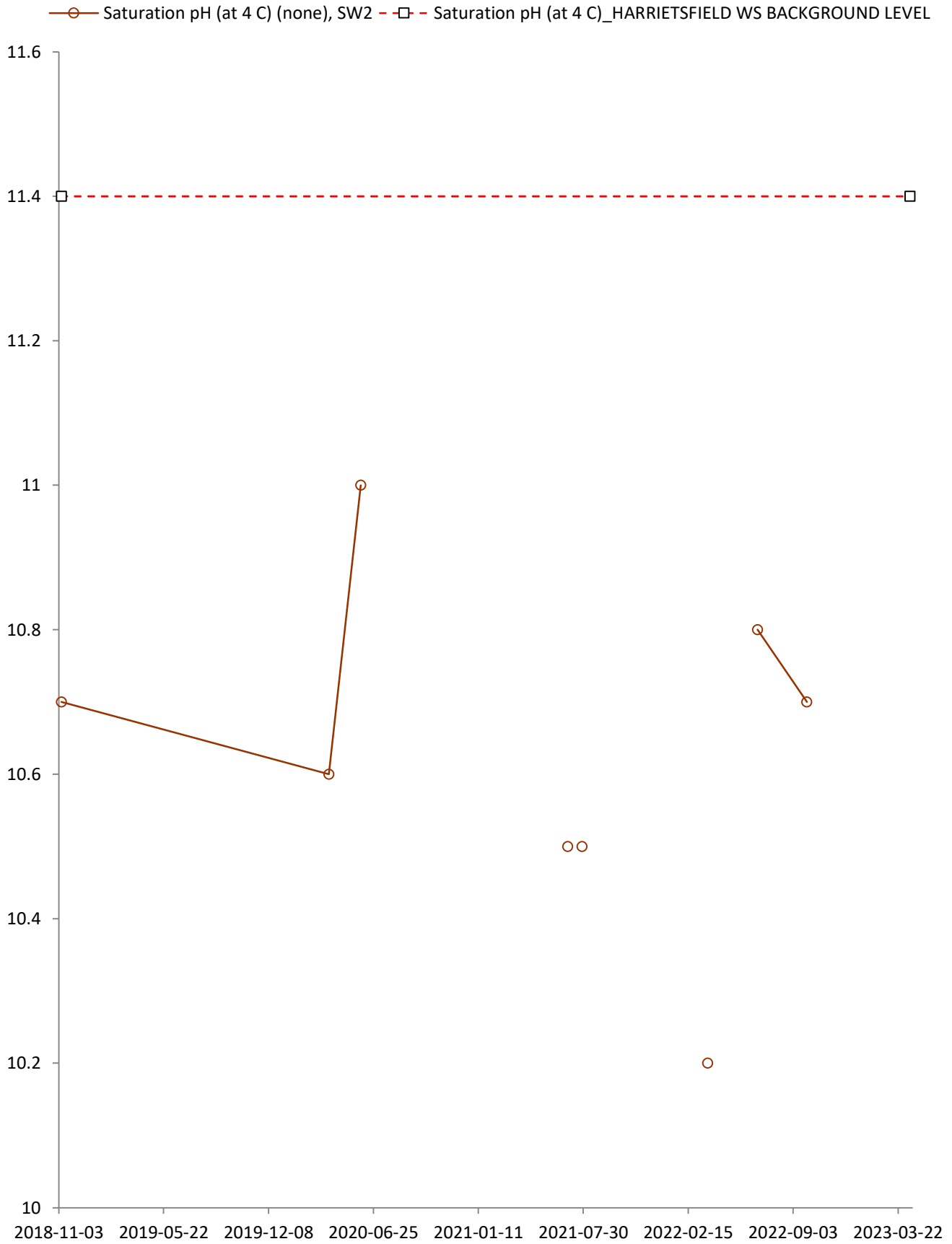


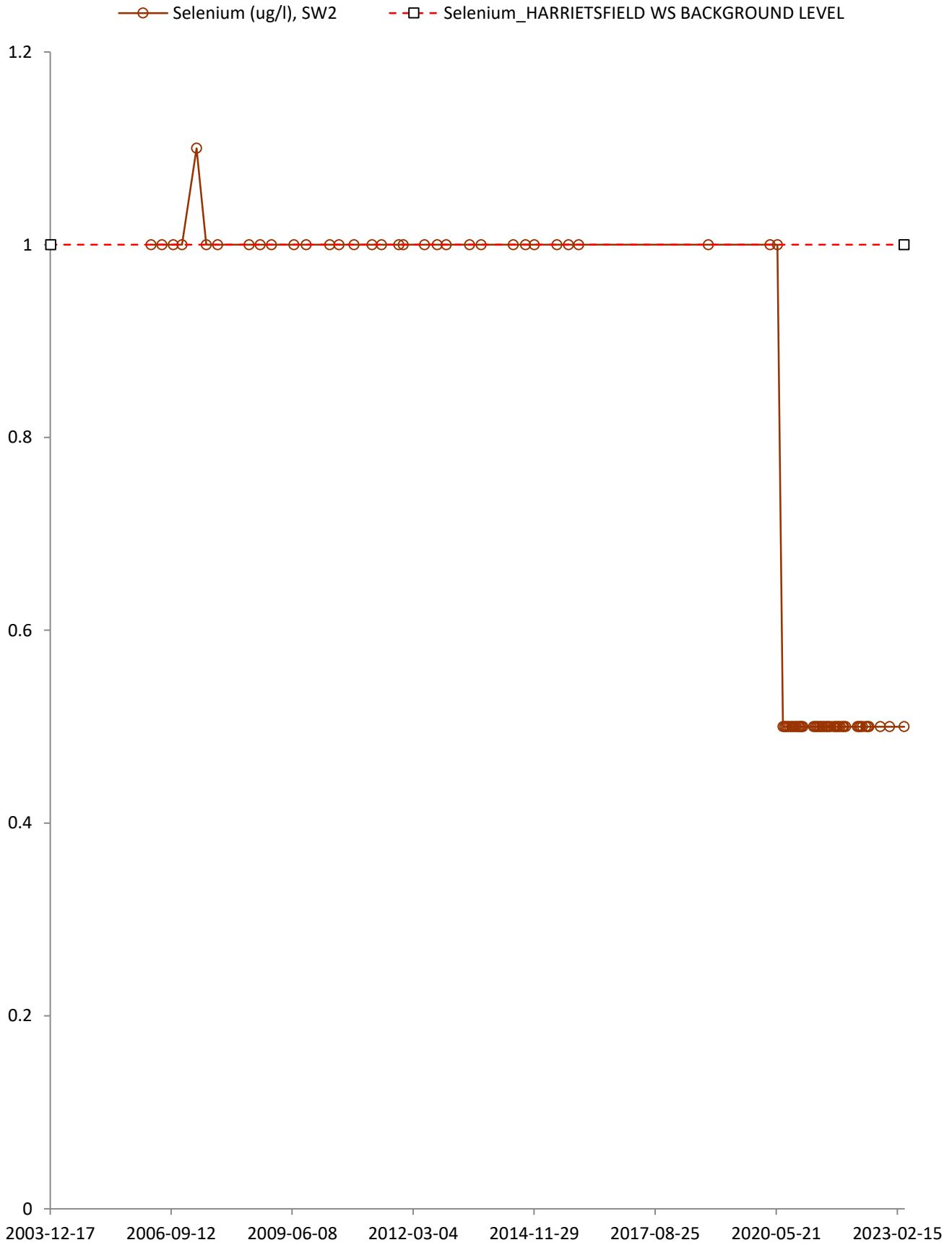


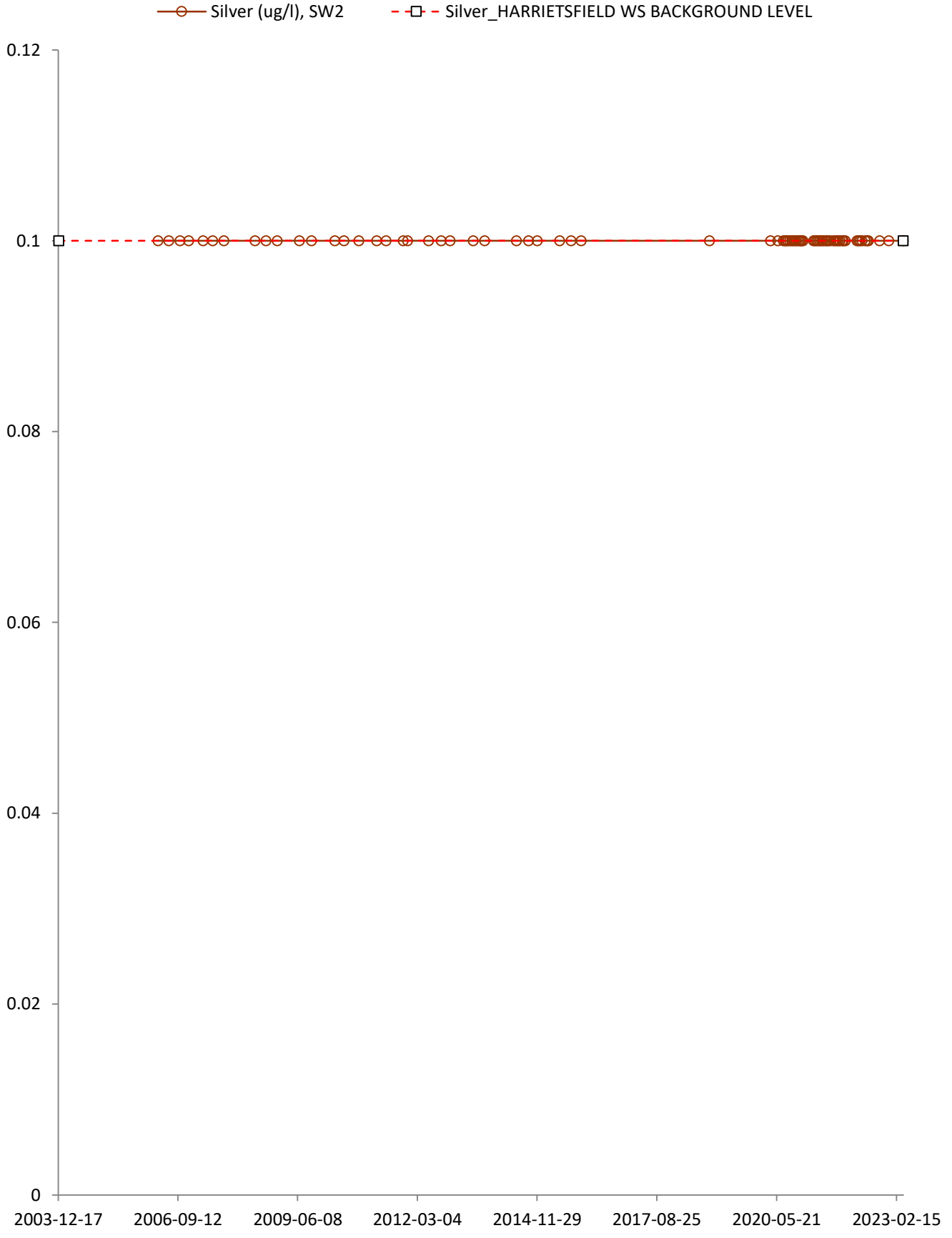


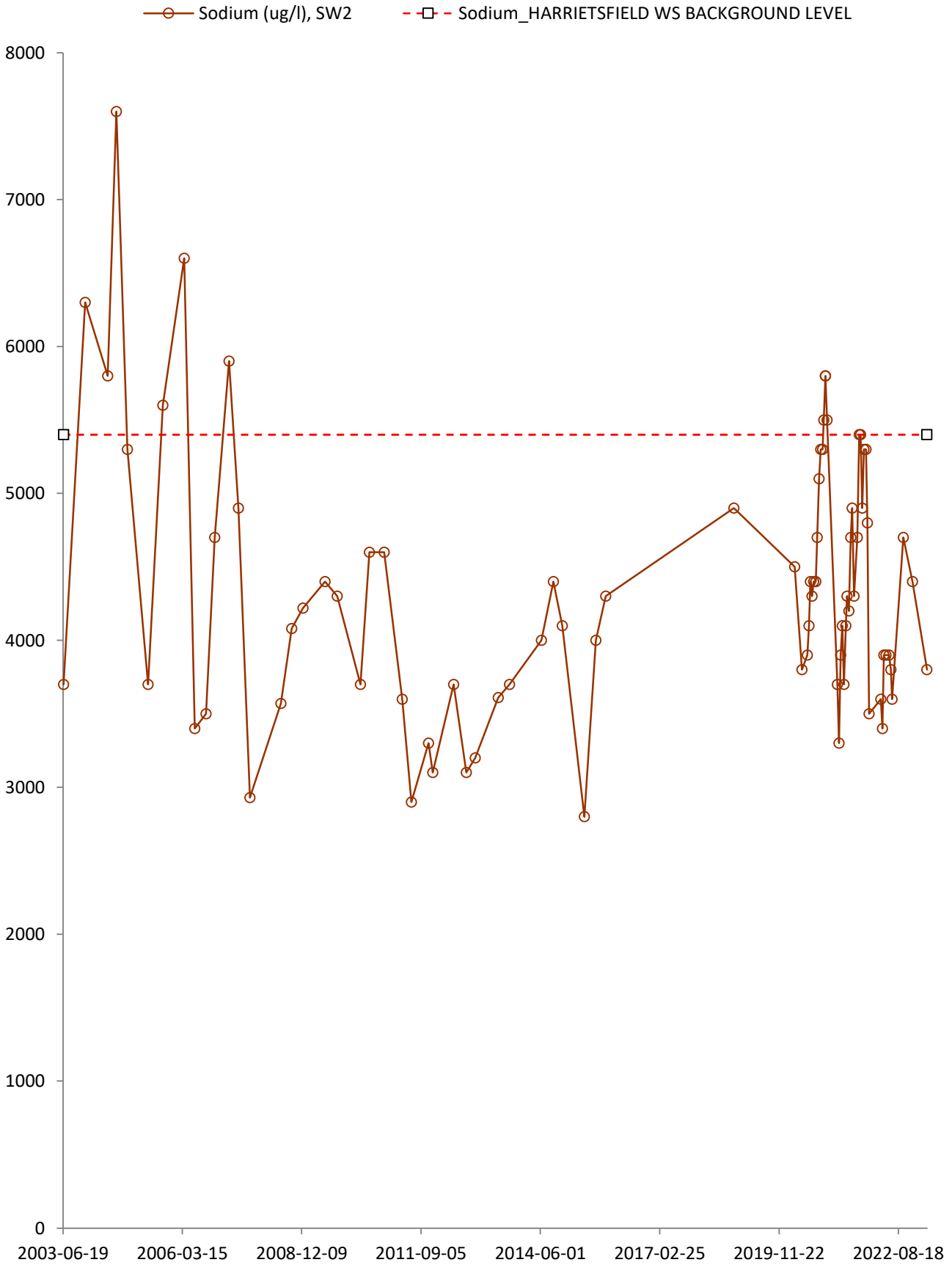
- Saturation pH (at 20 C) (none), SW2
- -□- - Saturation pH (at 20 C)_HARRIETSFIELD WS BACKGROUND LEVEL

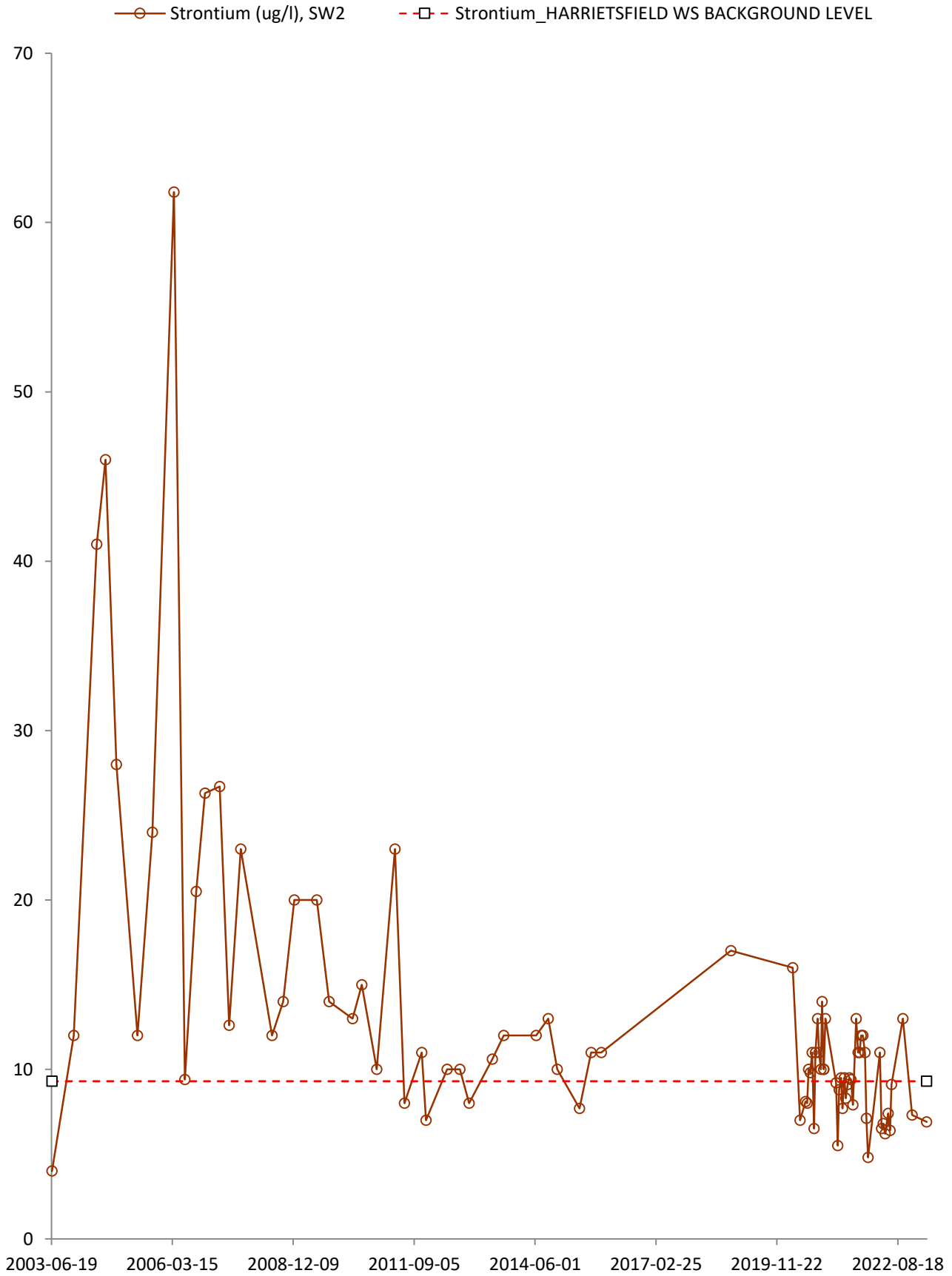


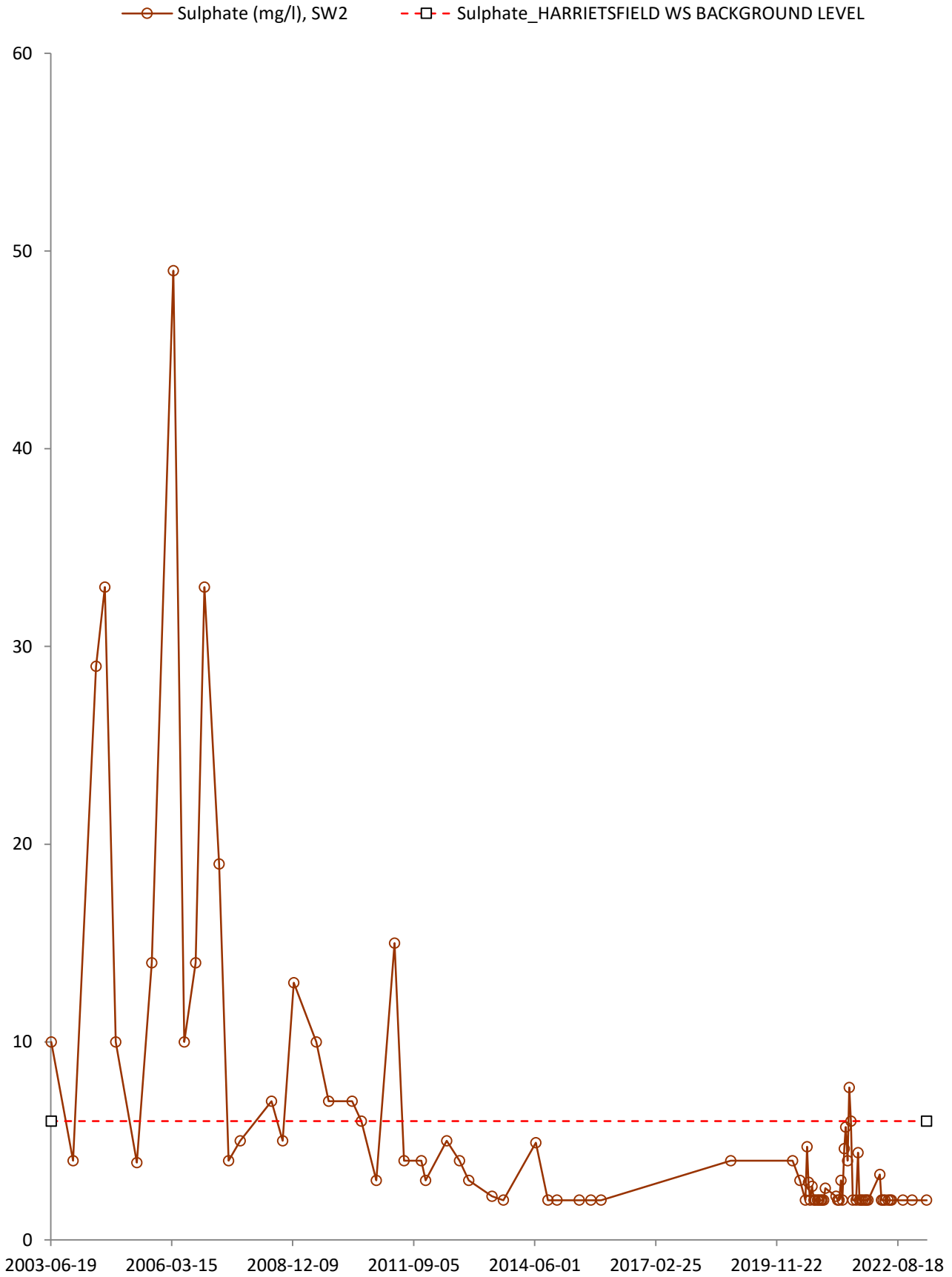


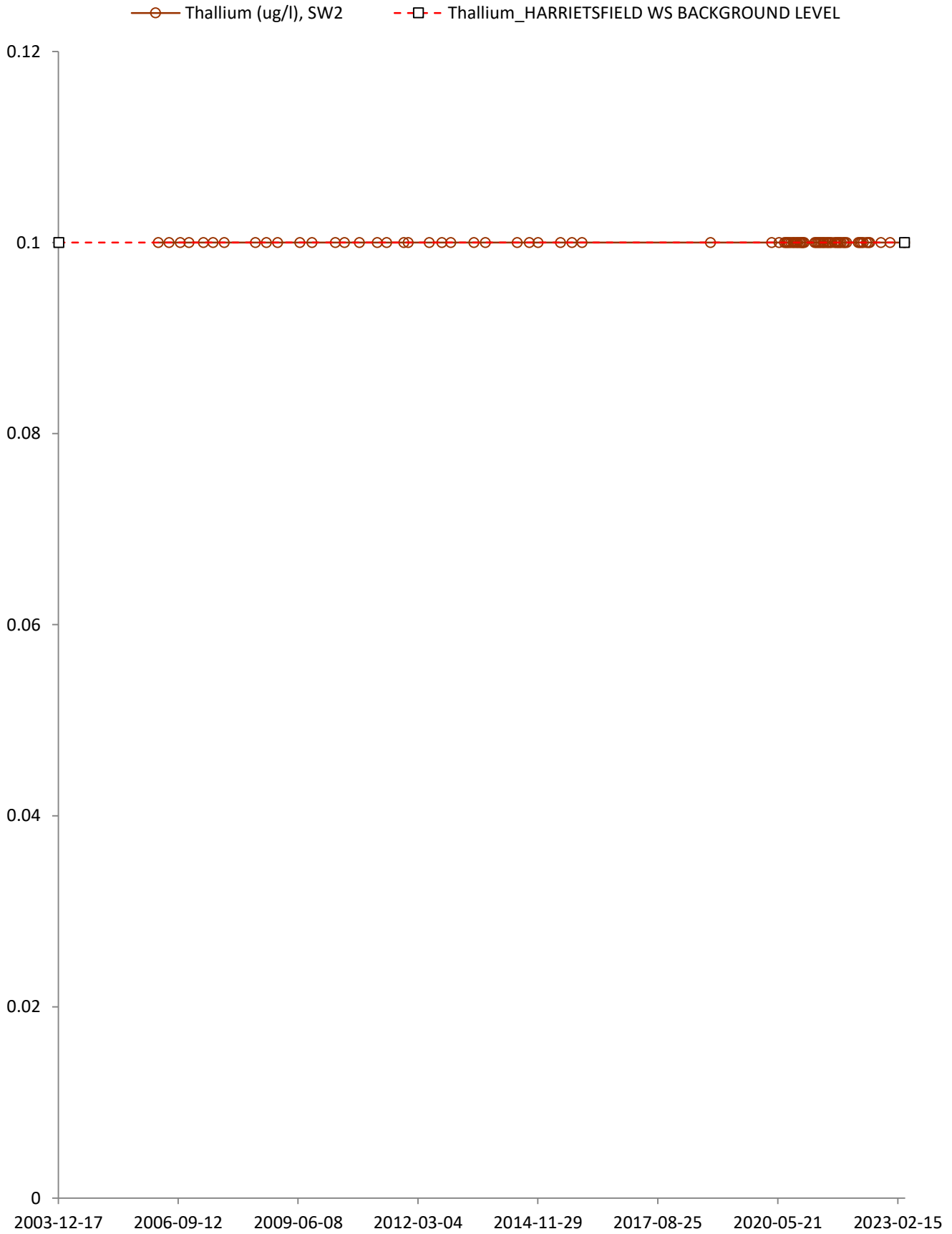




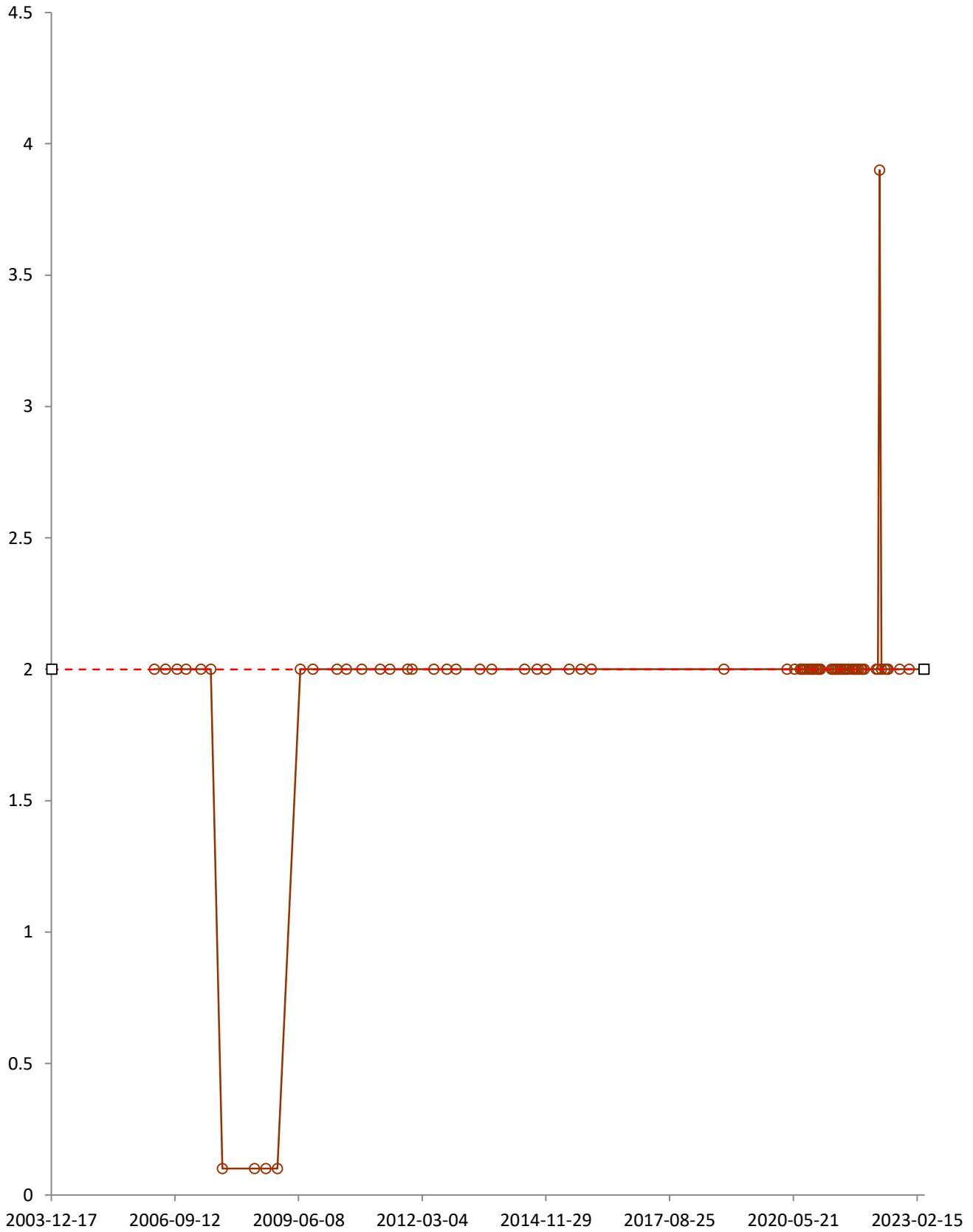




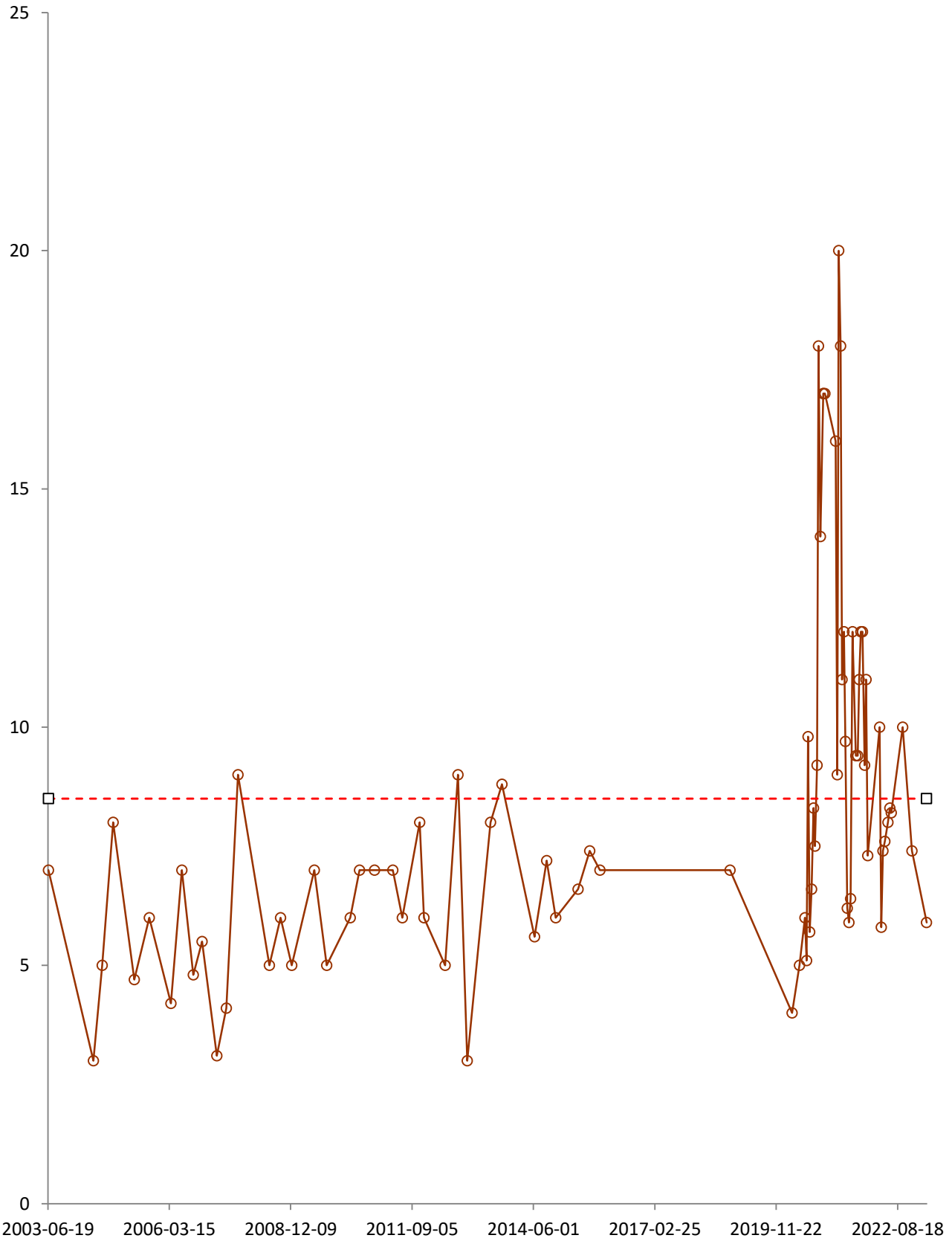


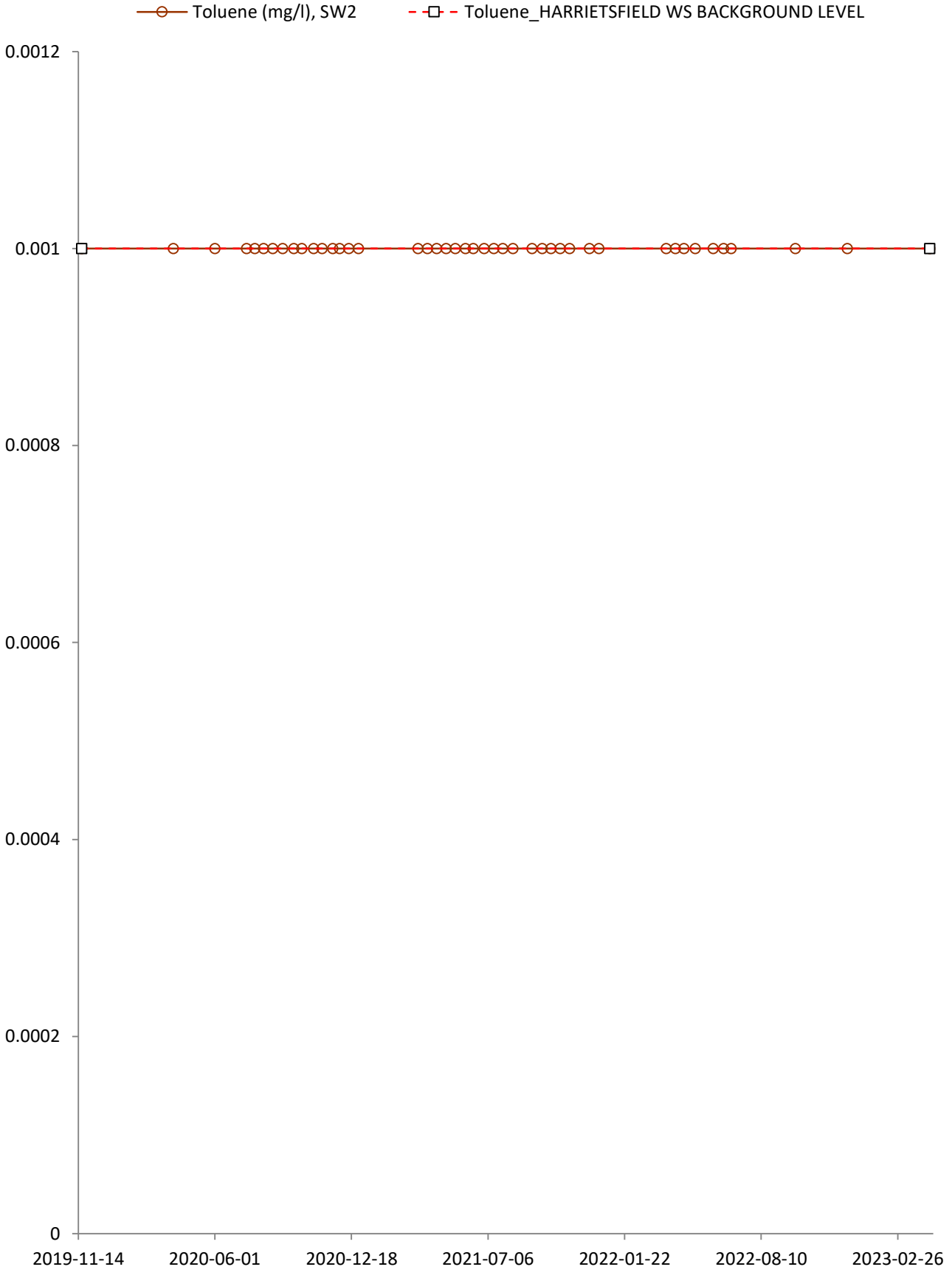


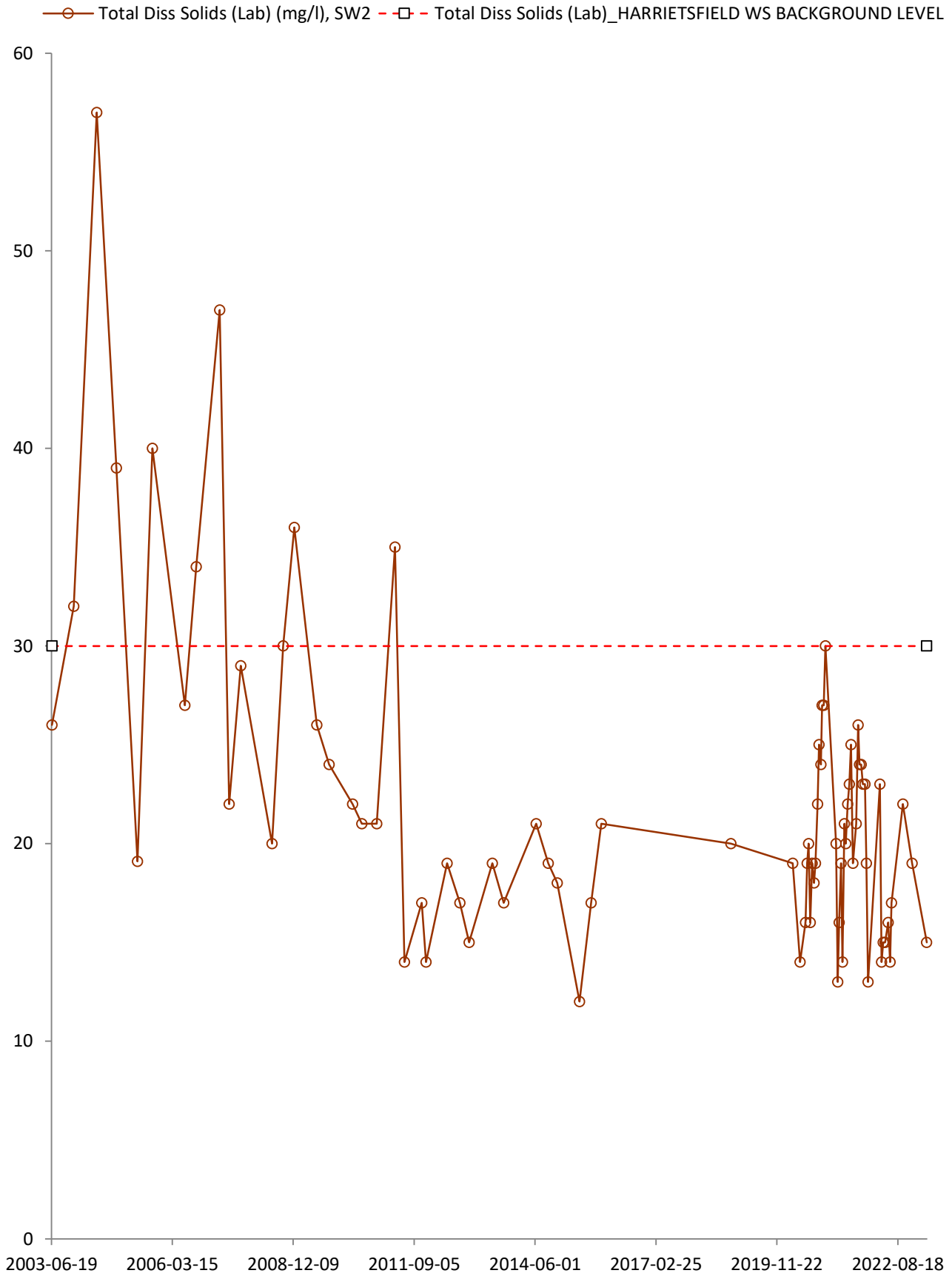
Tin (ug/l), SW2 Tin_HARRIETSFIELD WS BACKGROUND LEVEL

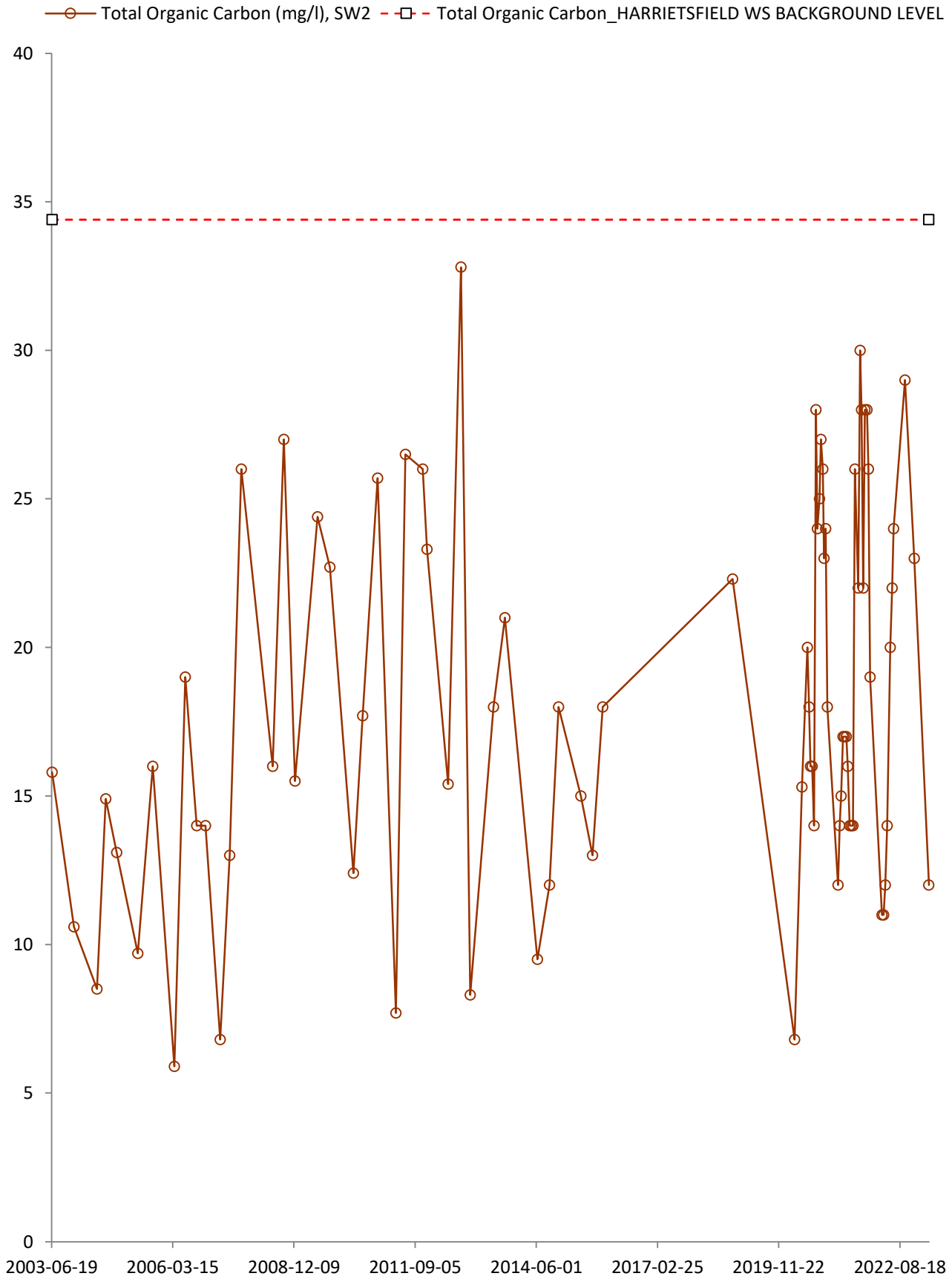


—○— Titanium (ug/l), SW2 - -□- - Titanium_HARRIETSFIELD WS BACKGROUND LEVEL

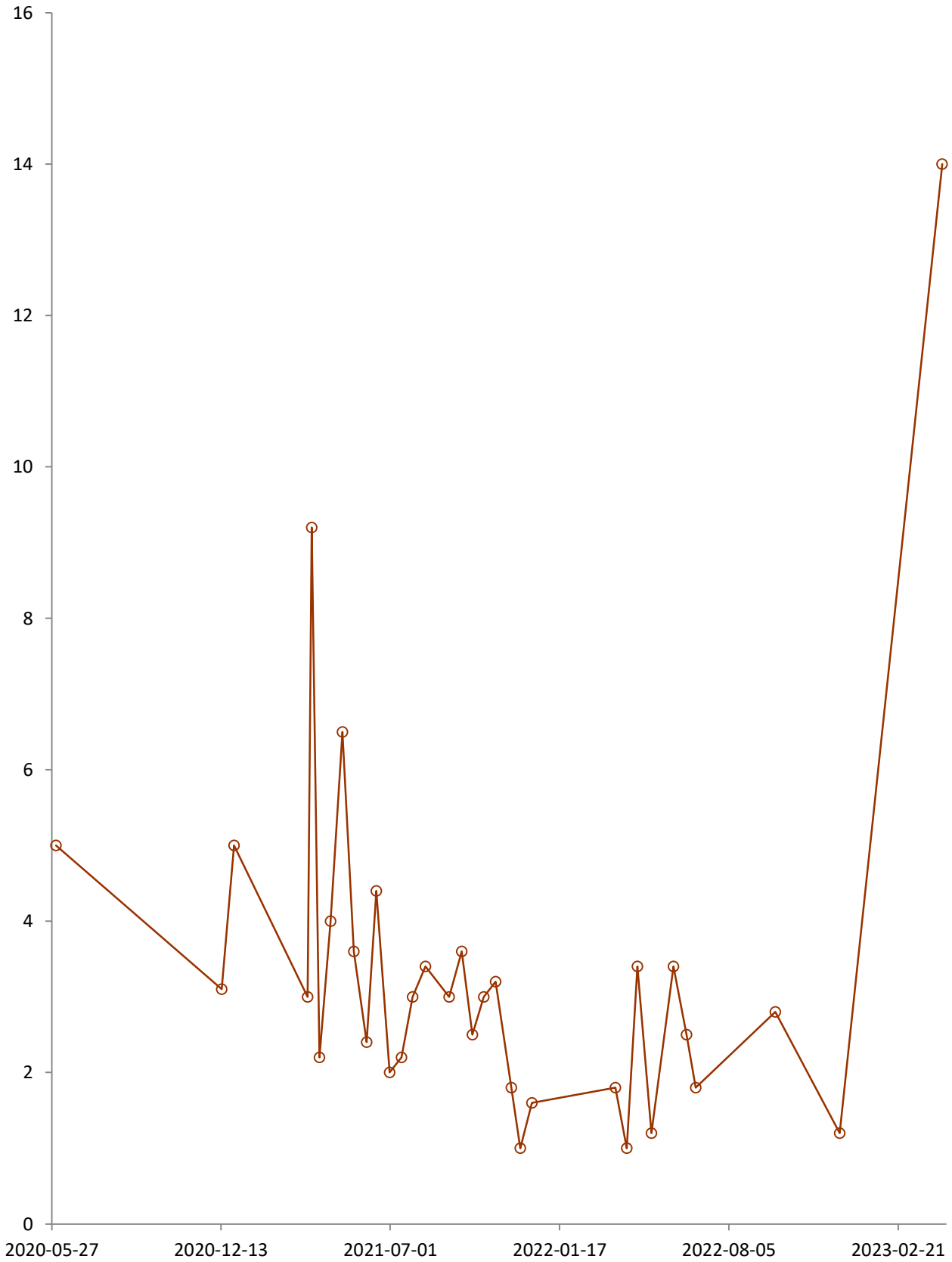


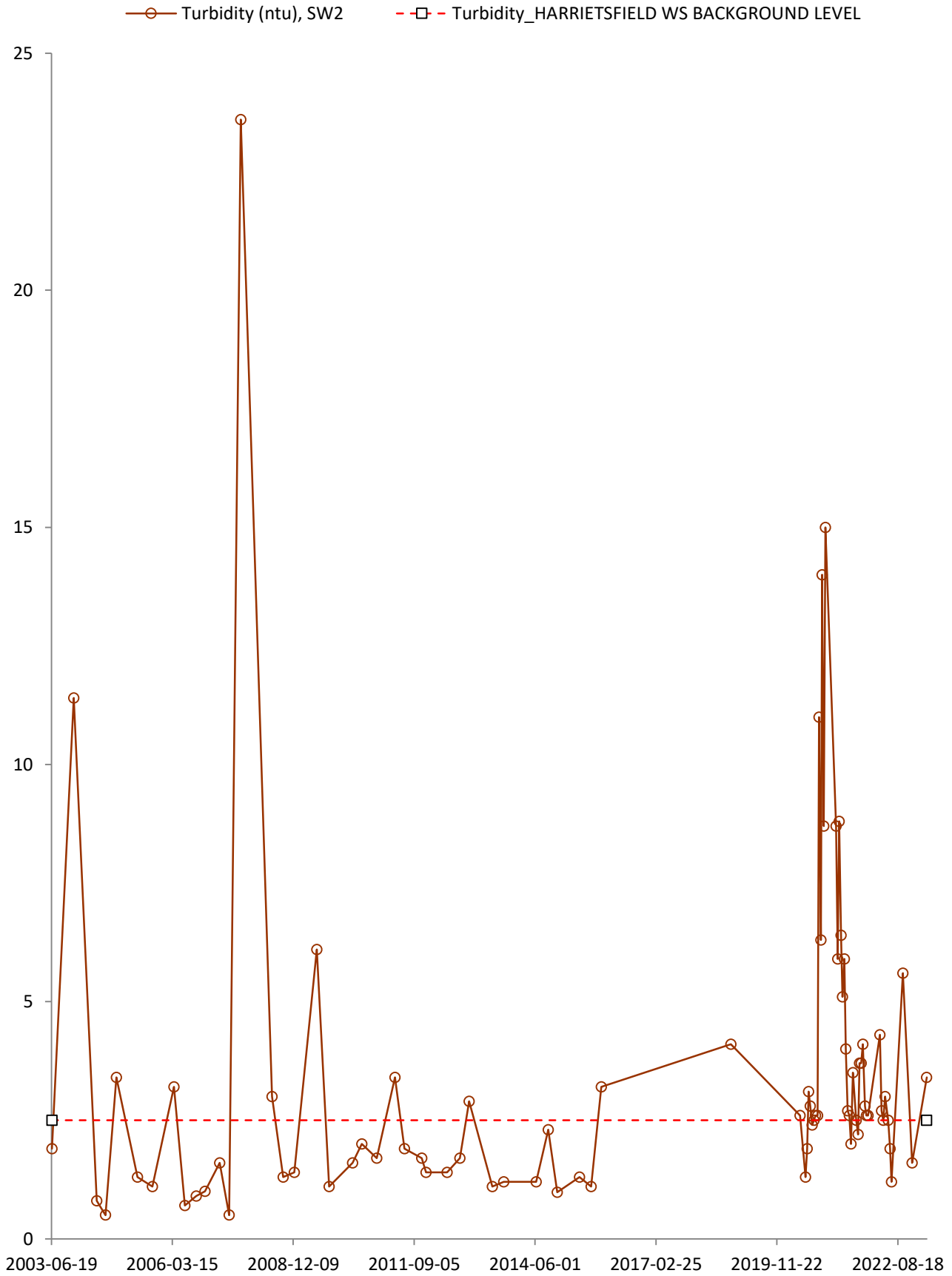


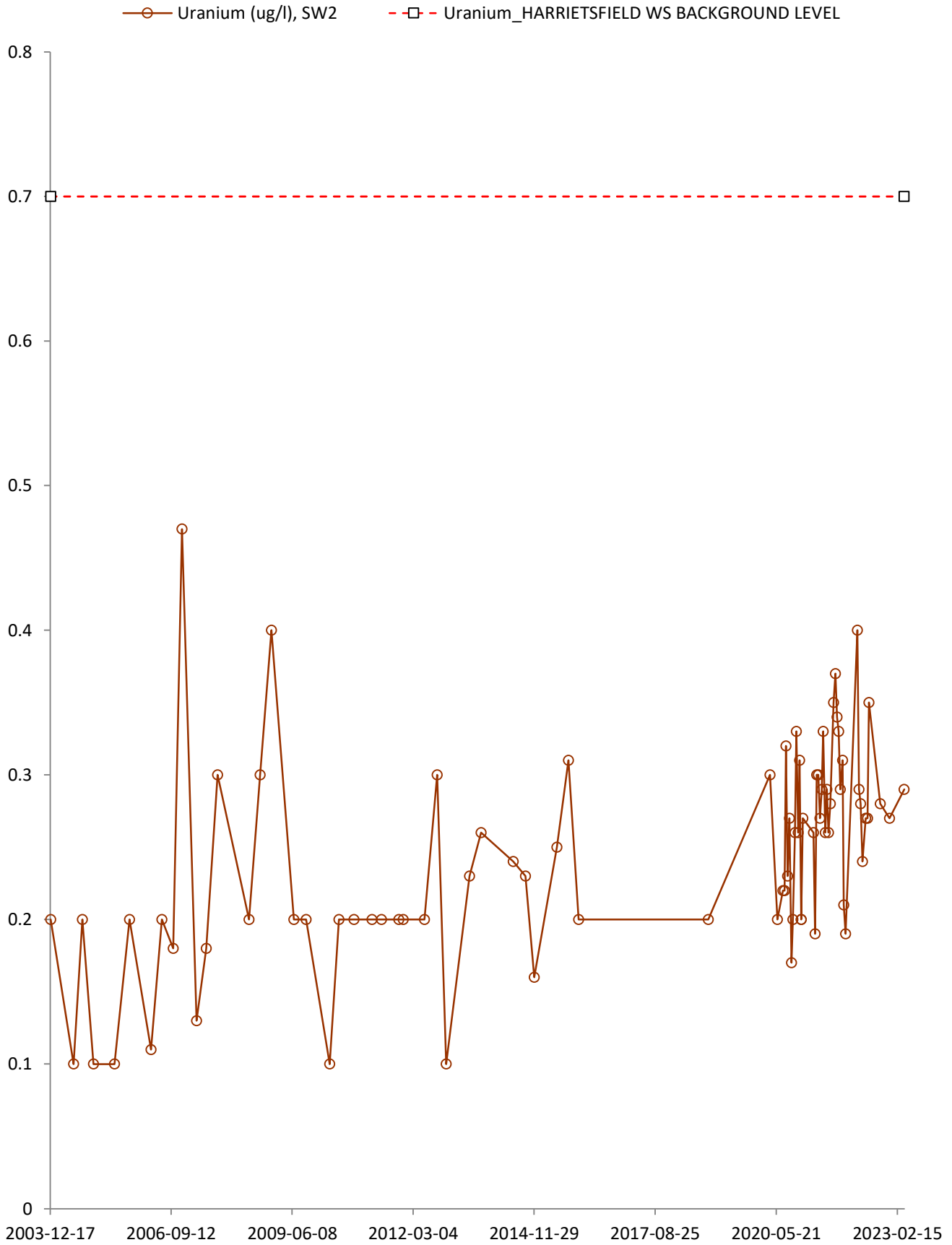


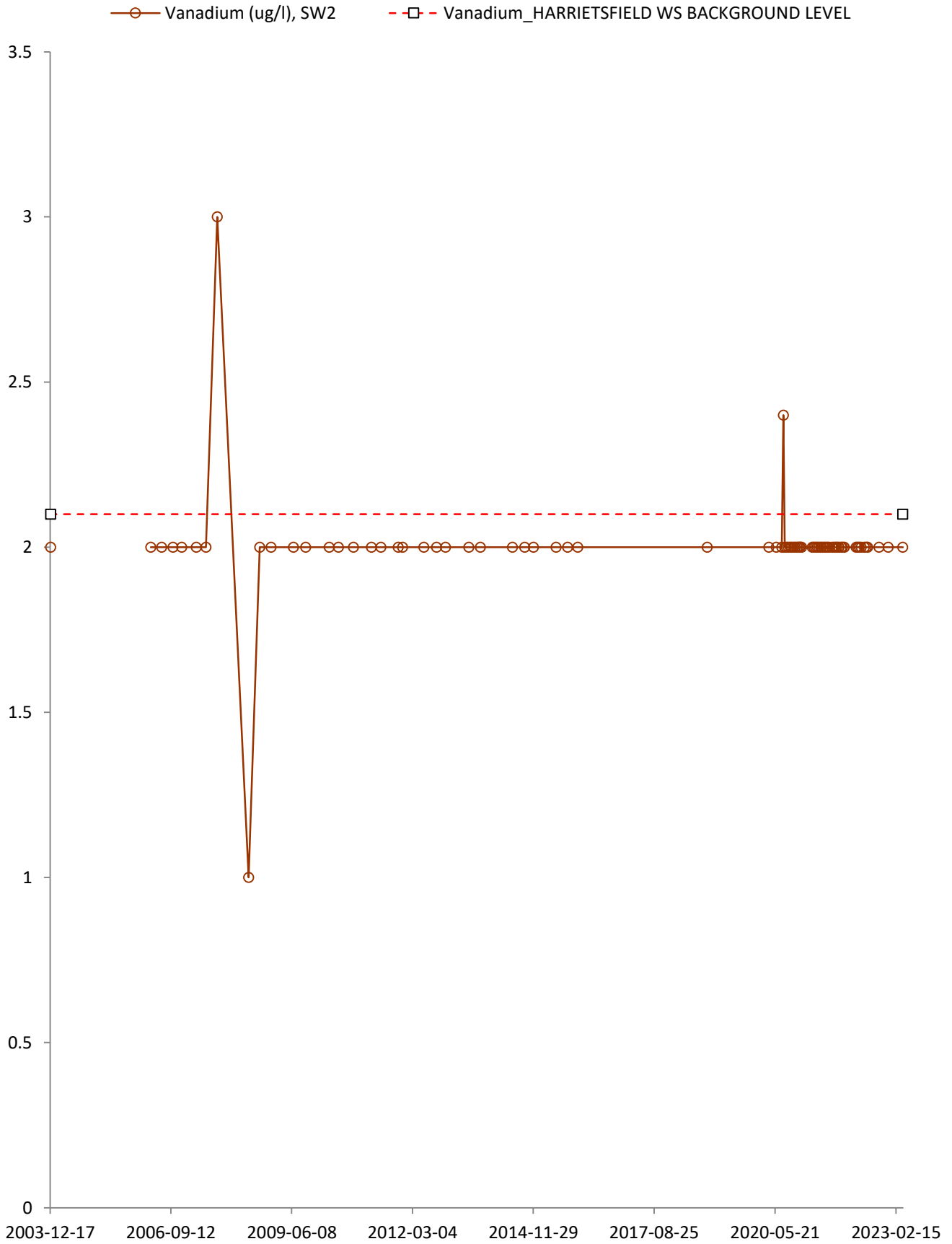


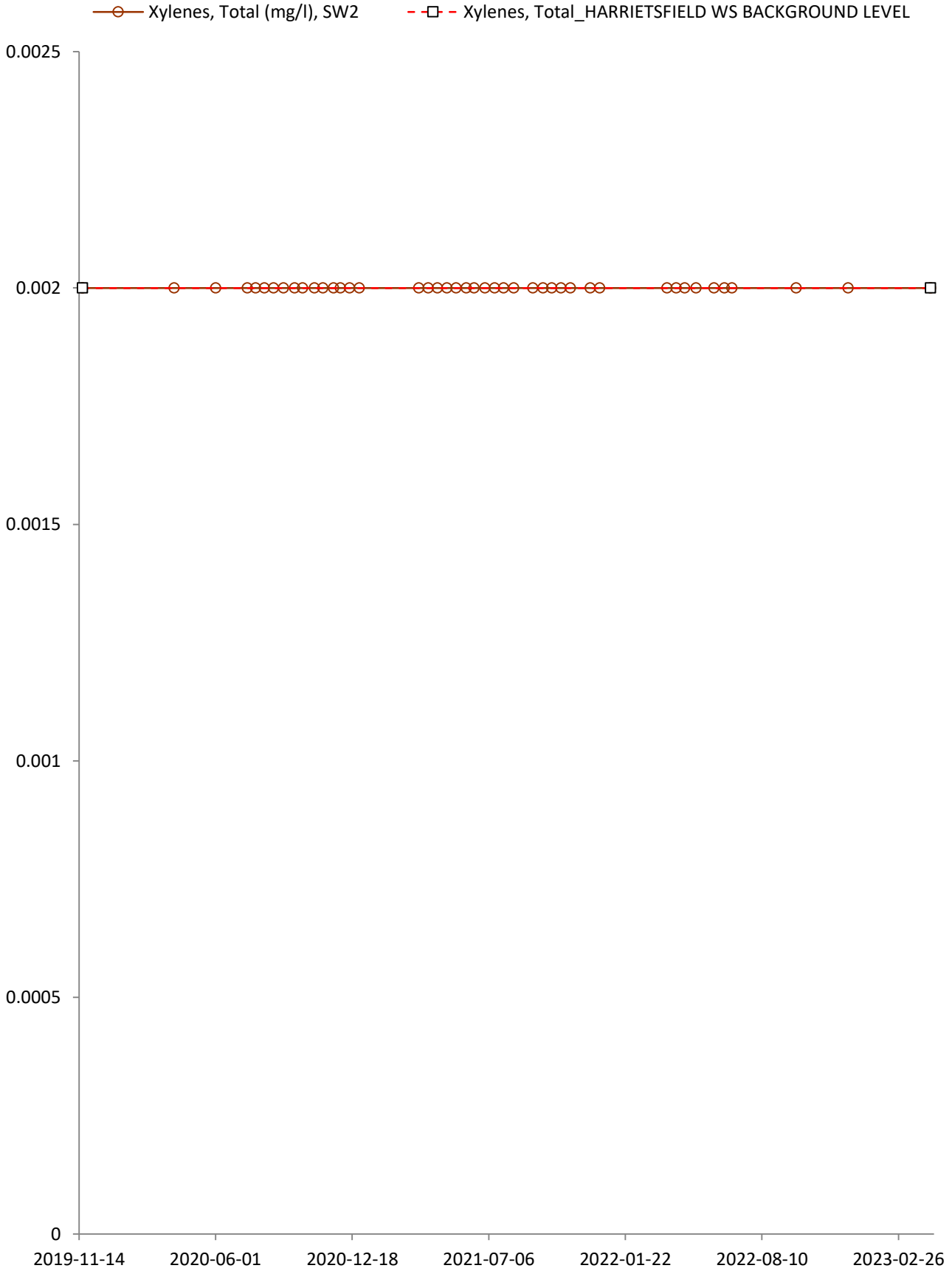
—○— Total Suspended Solids (mg/l), SW2



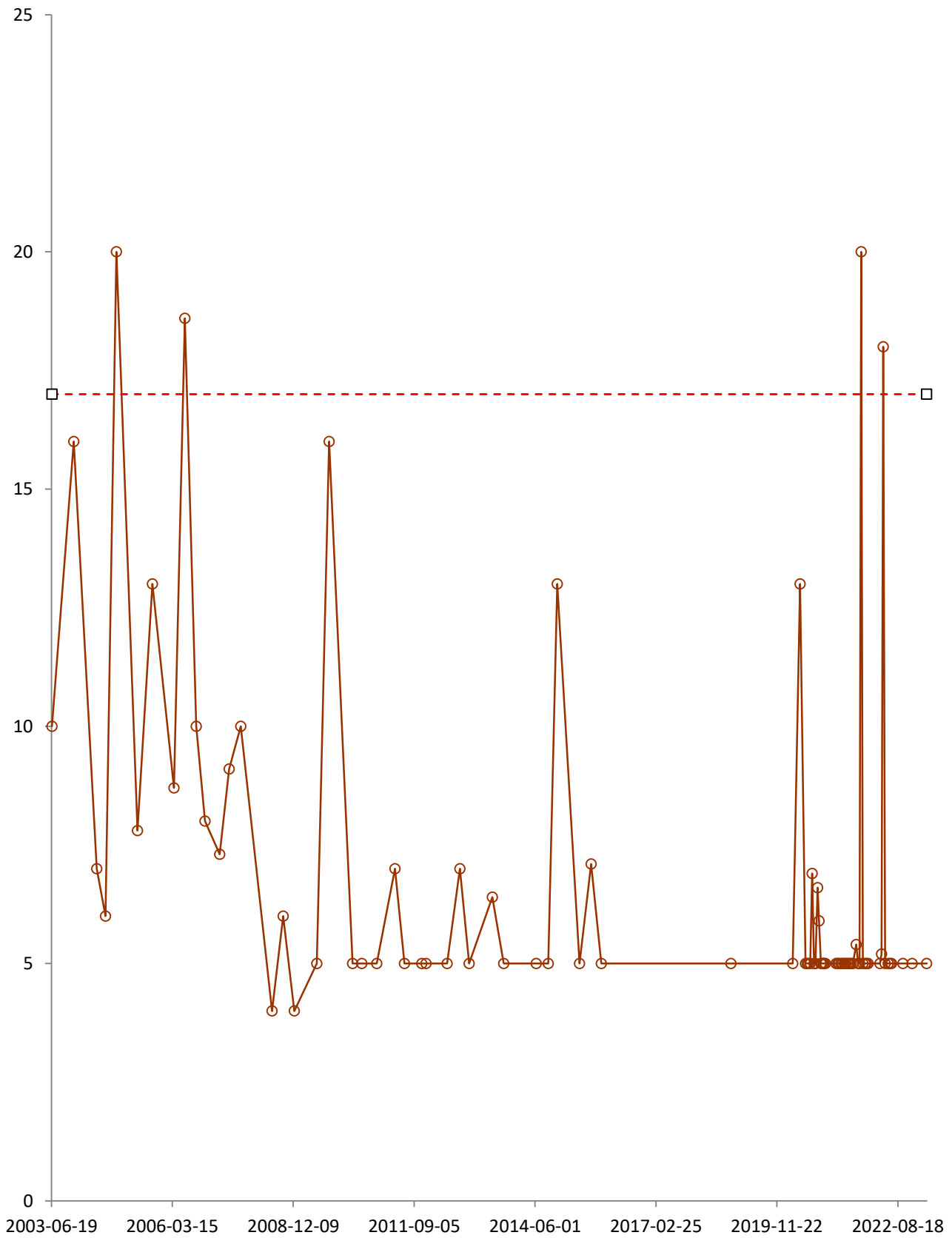




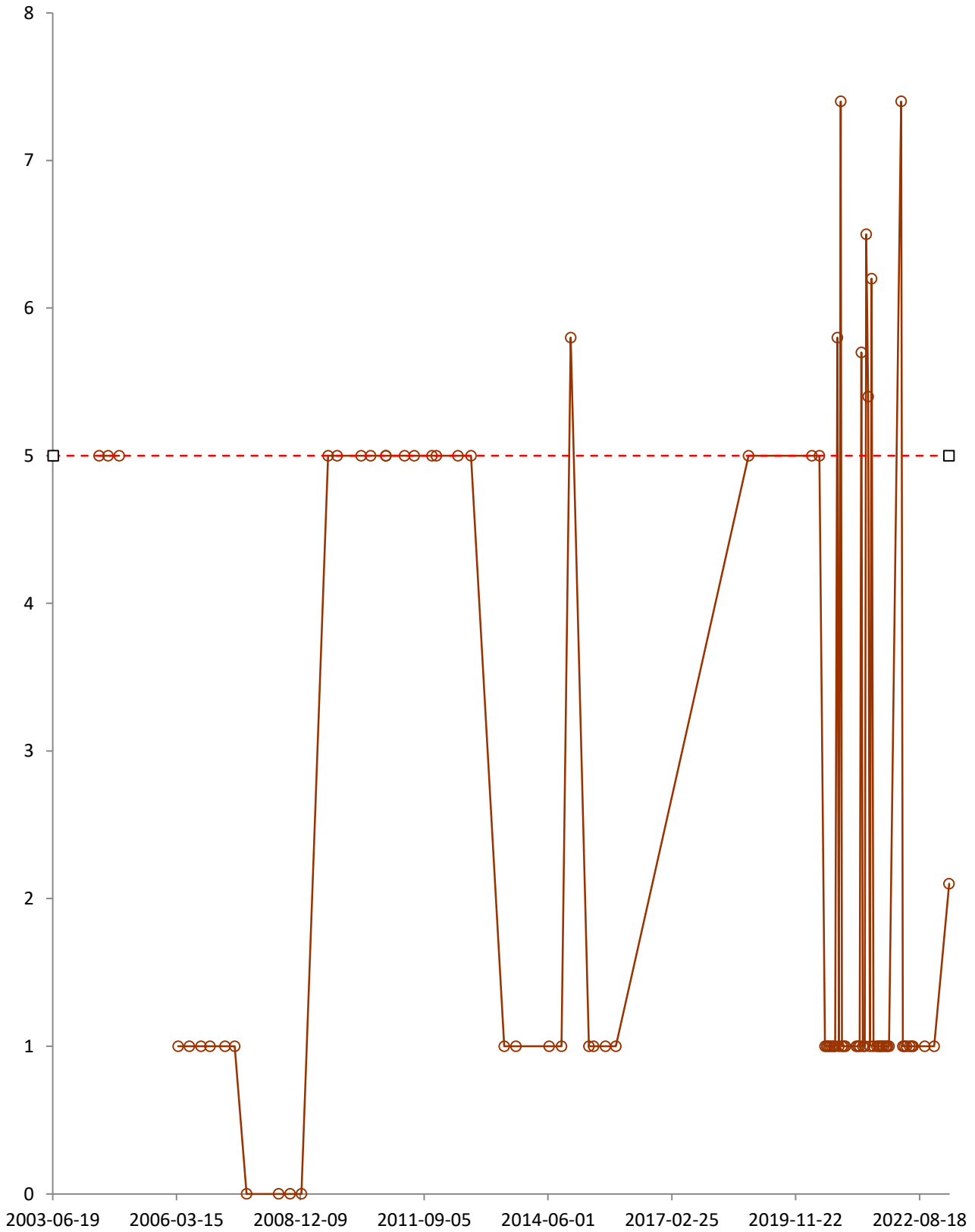


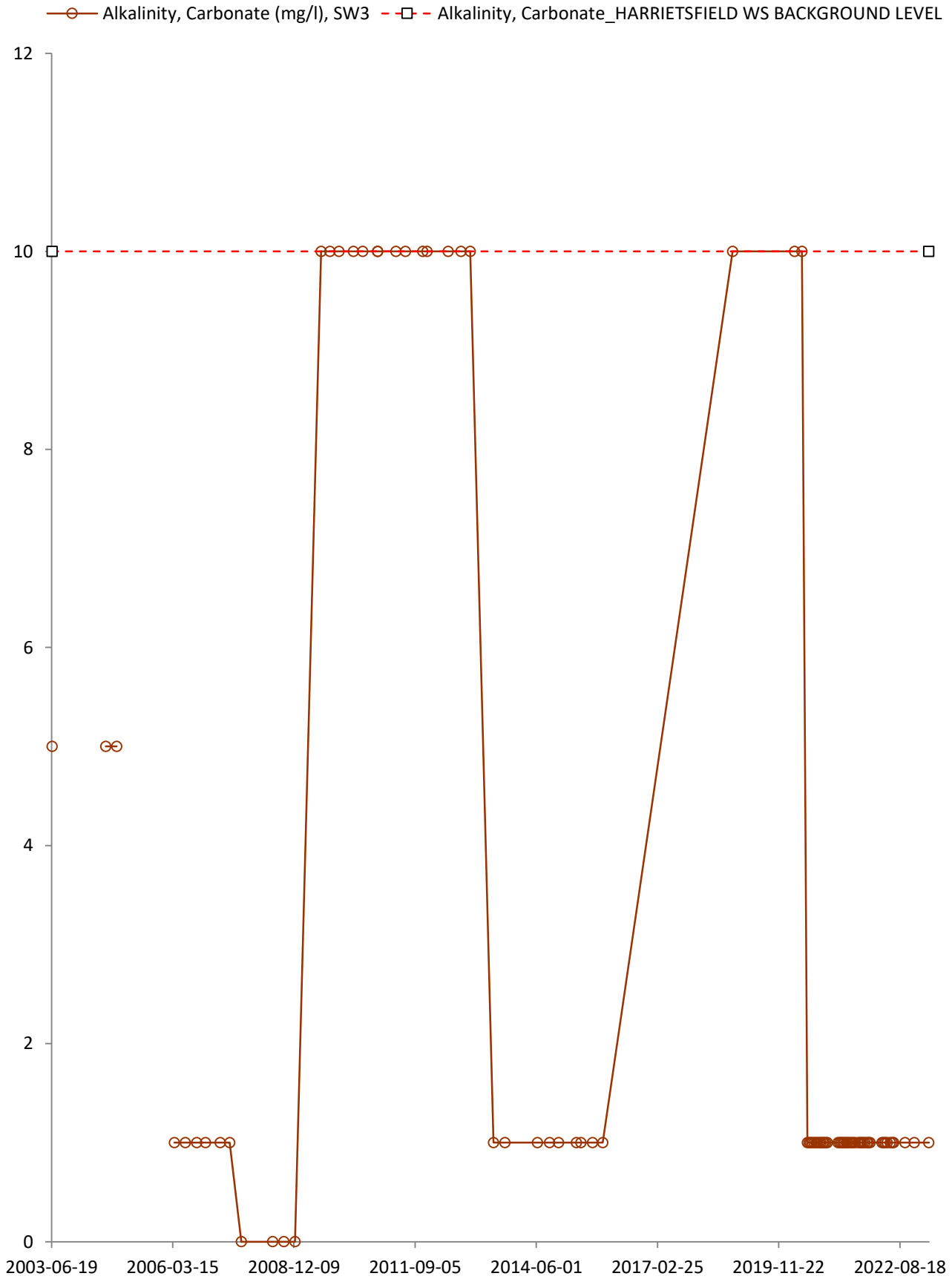


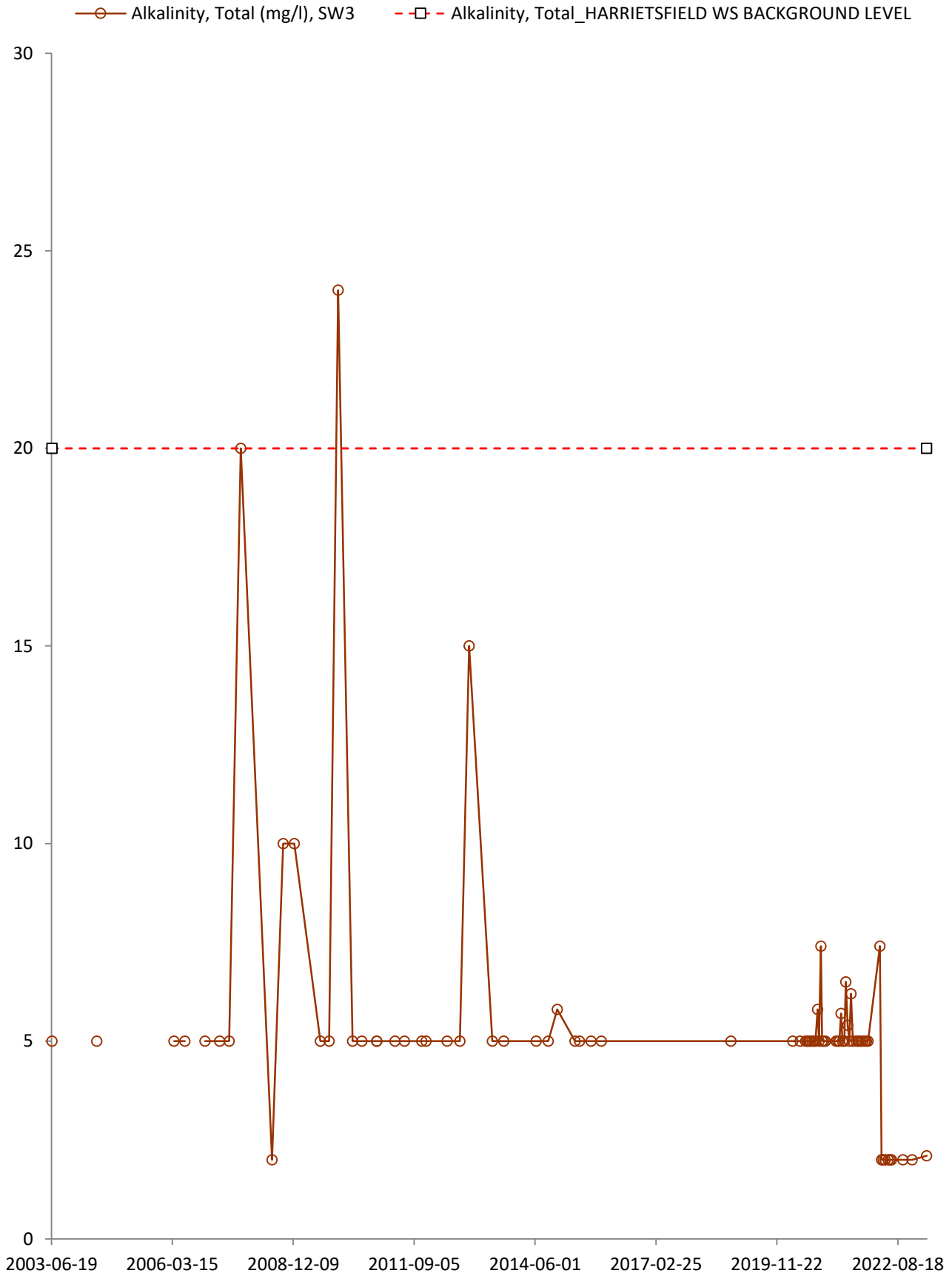
—○— Zinc (ug/l), SW2 - -□- - Zinc_HARRIETSFIELD WS BACKGROUND LEVEL

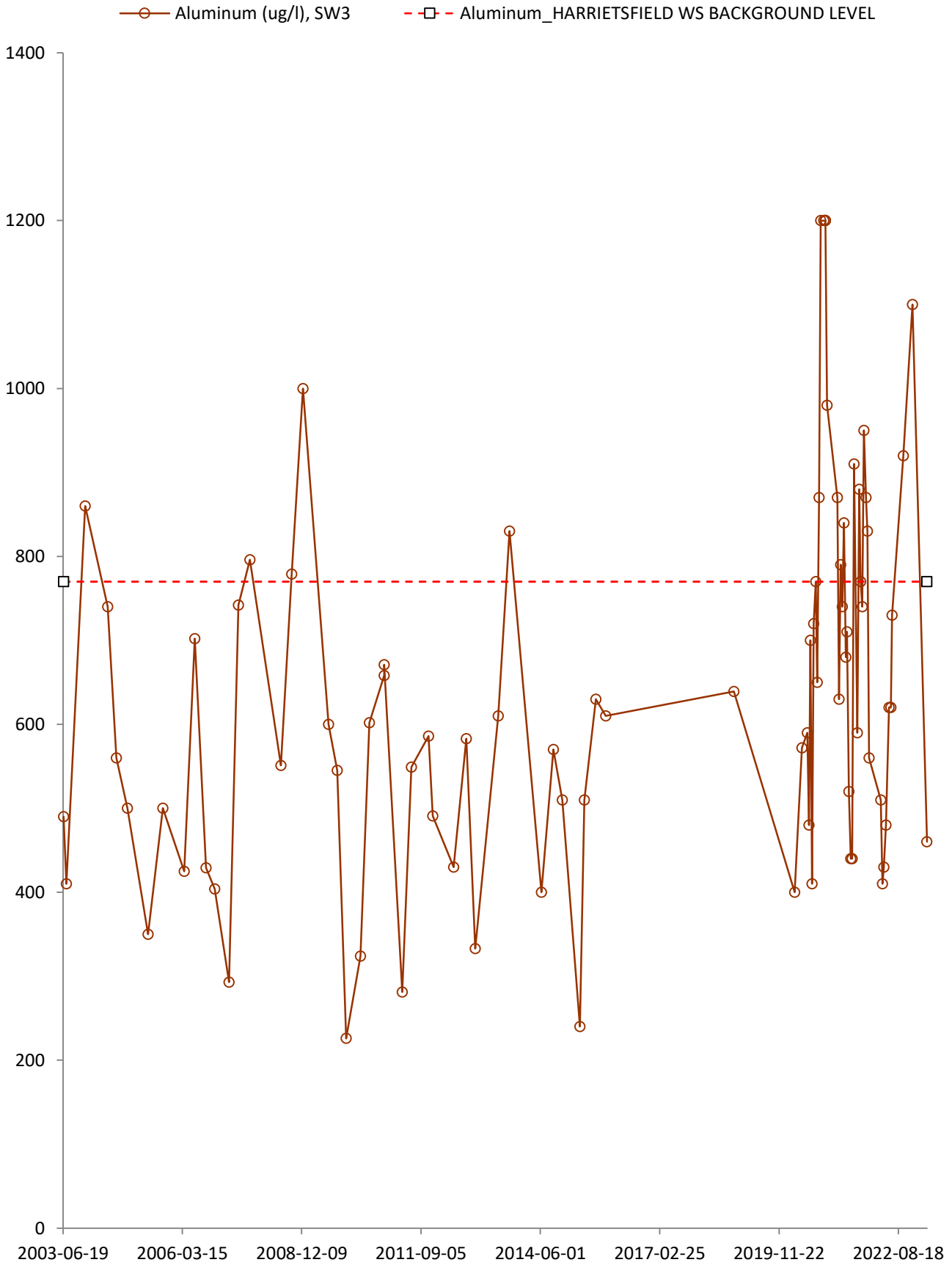


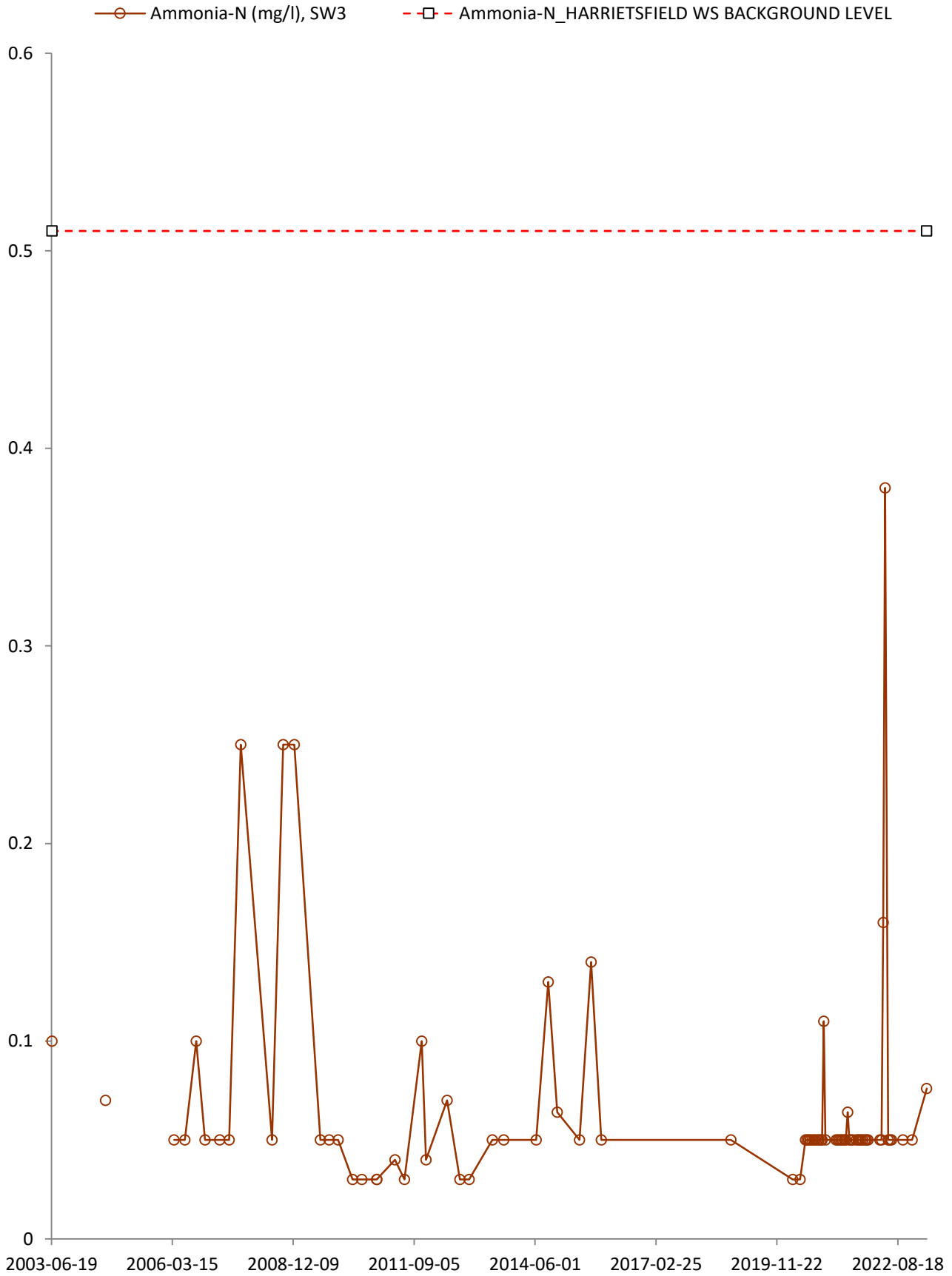
- Alkalinity, Bicarbonate (mg/l), SW3
- -□- - Alkalinity, Bicarbonate_HARRIETSFIELD WS BACKGROUND LEVEL



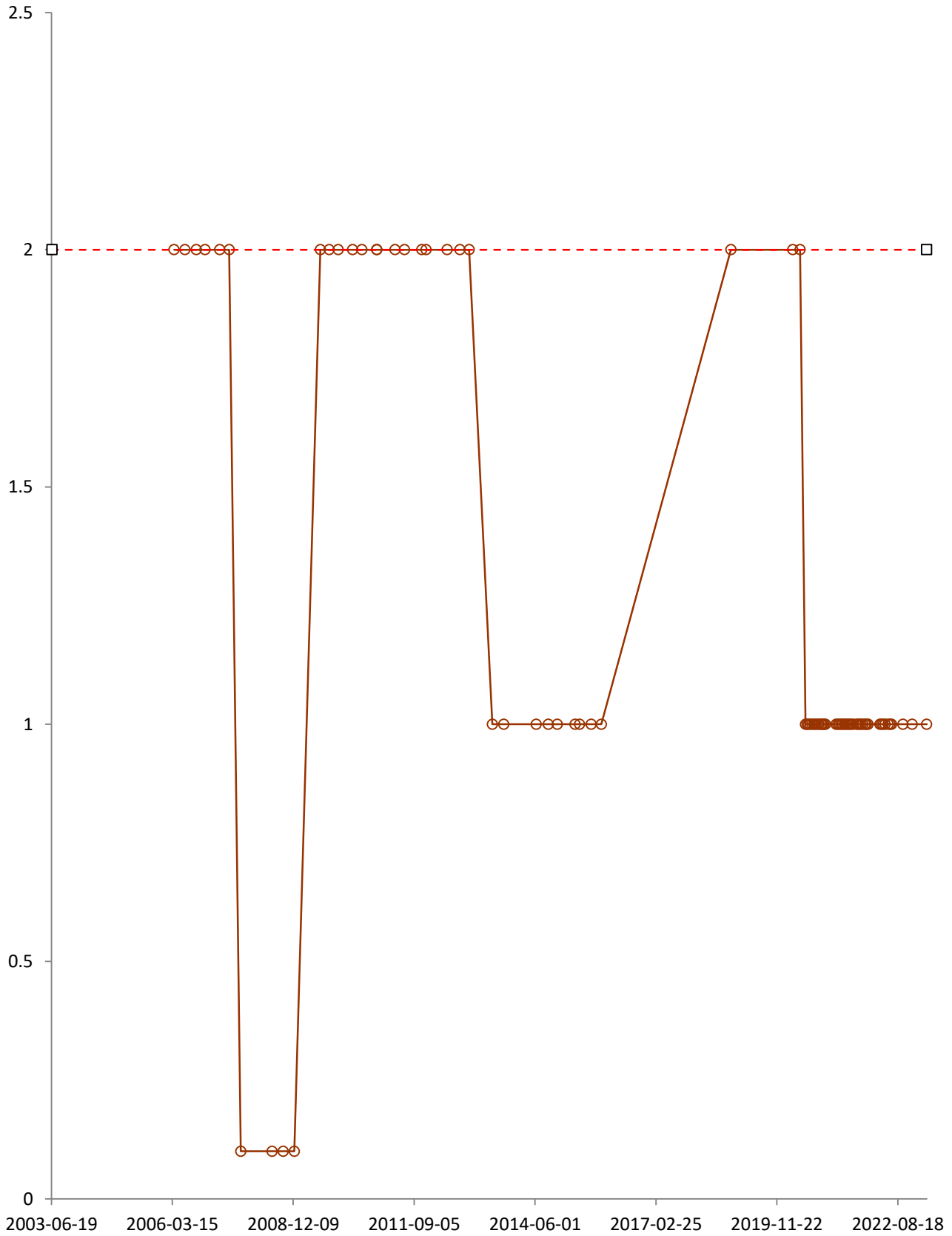




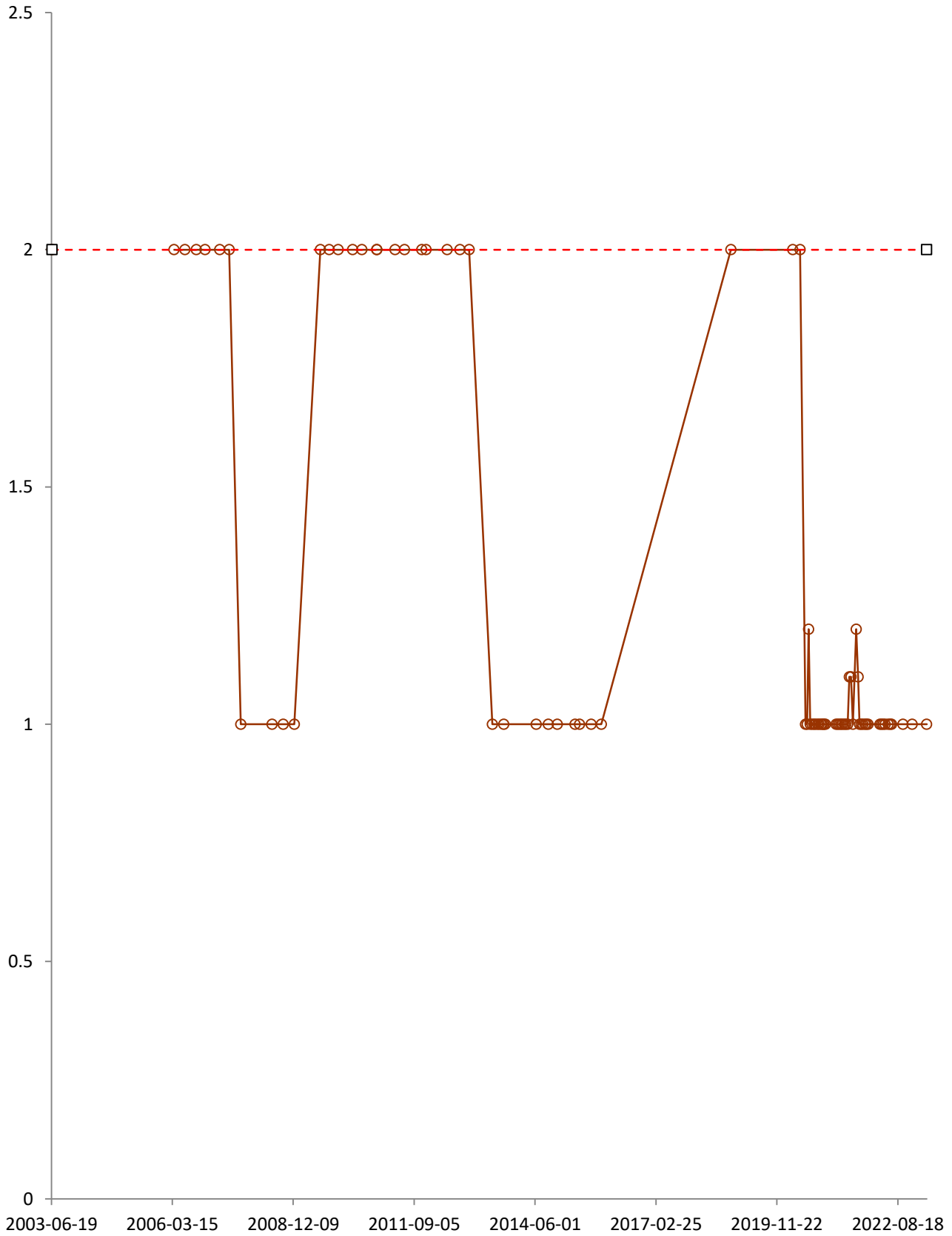




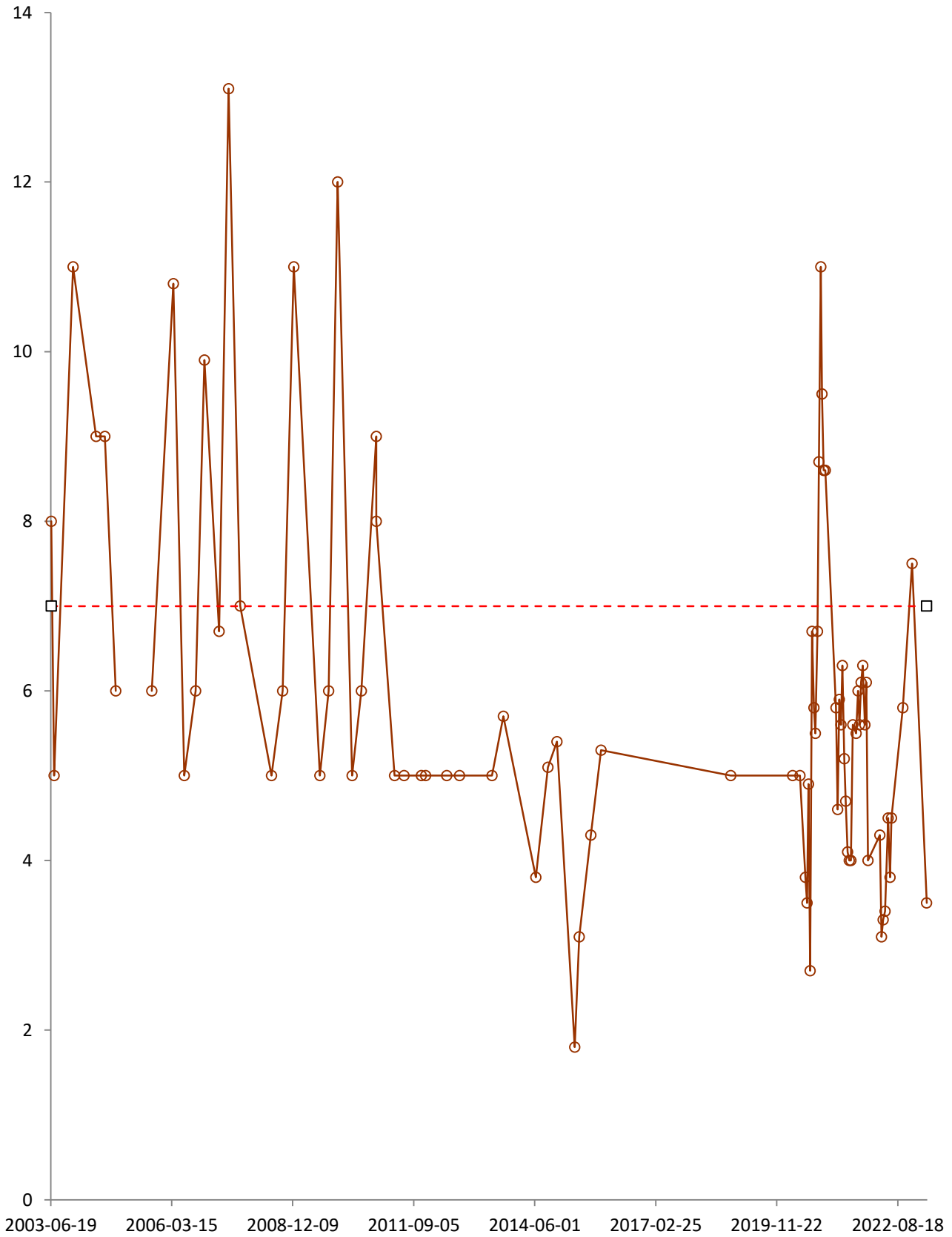
—○— Antimony (ug/l), SW3 - -□- - Antimony_HARRIETSFIELD WS BACKGROUND LEVEL

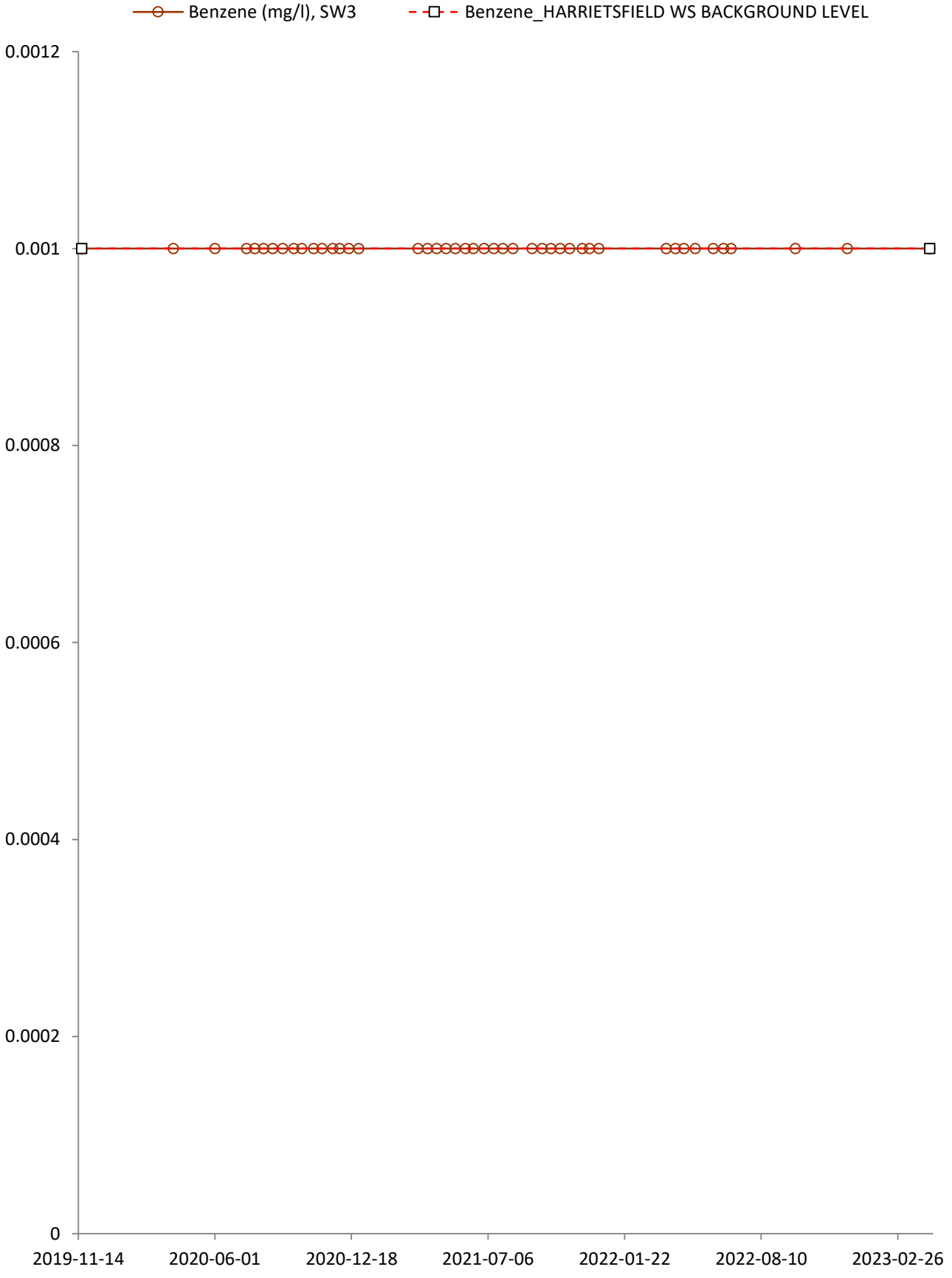


—○— Arsenic (ug/l), SW3 - -□- - Arsenic_HARRIETSFIELD WS BACKGROUND LEVEL

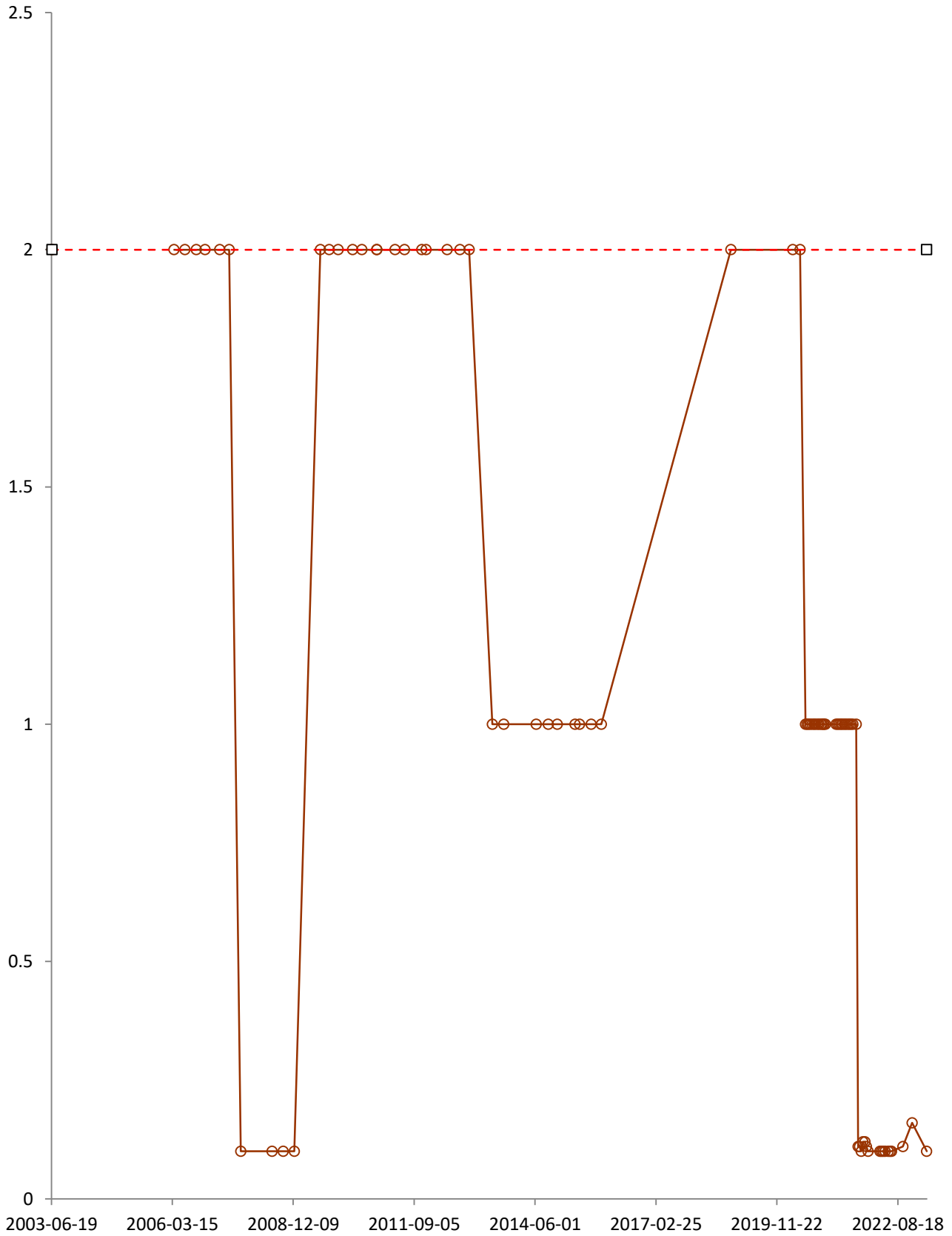


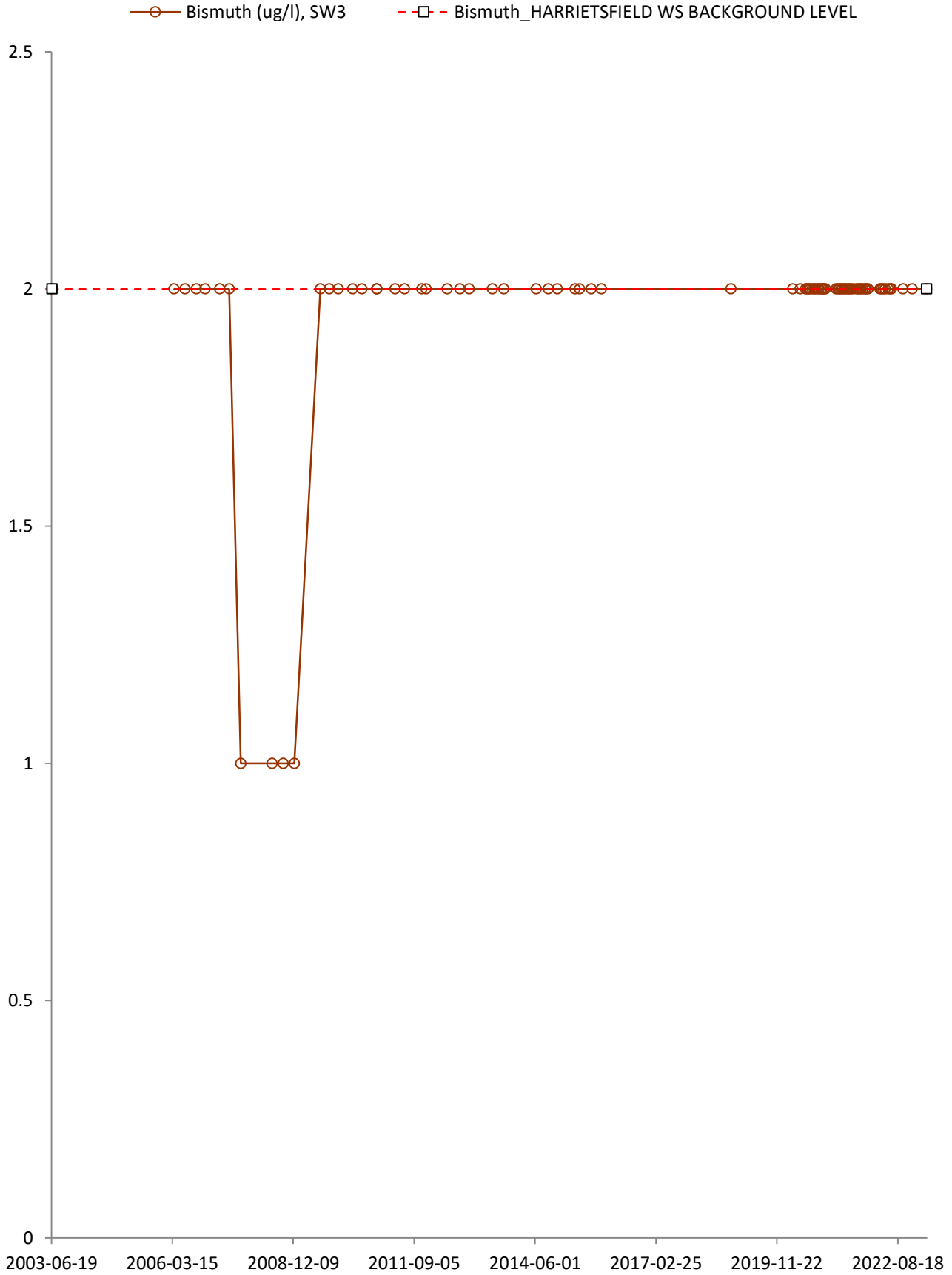
—○— Barium (ug/l), SW3 - -□- - Barium_HARRIETSFIELD WS BACKGROUND LEVEL

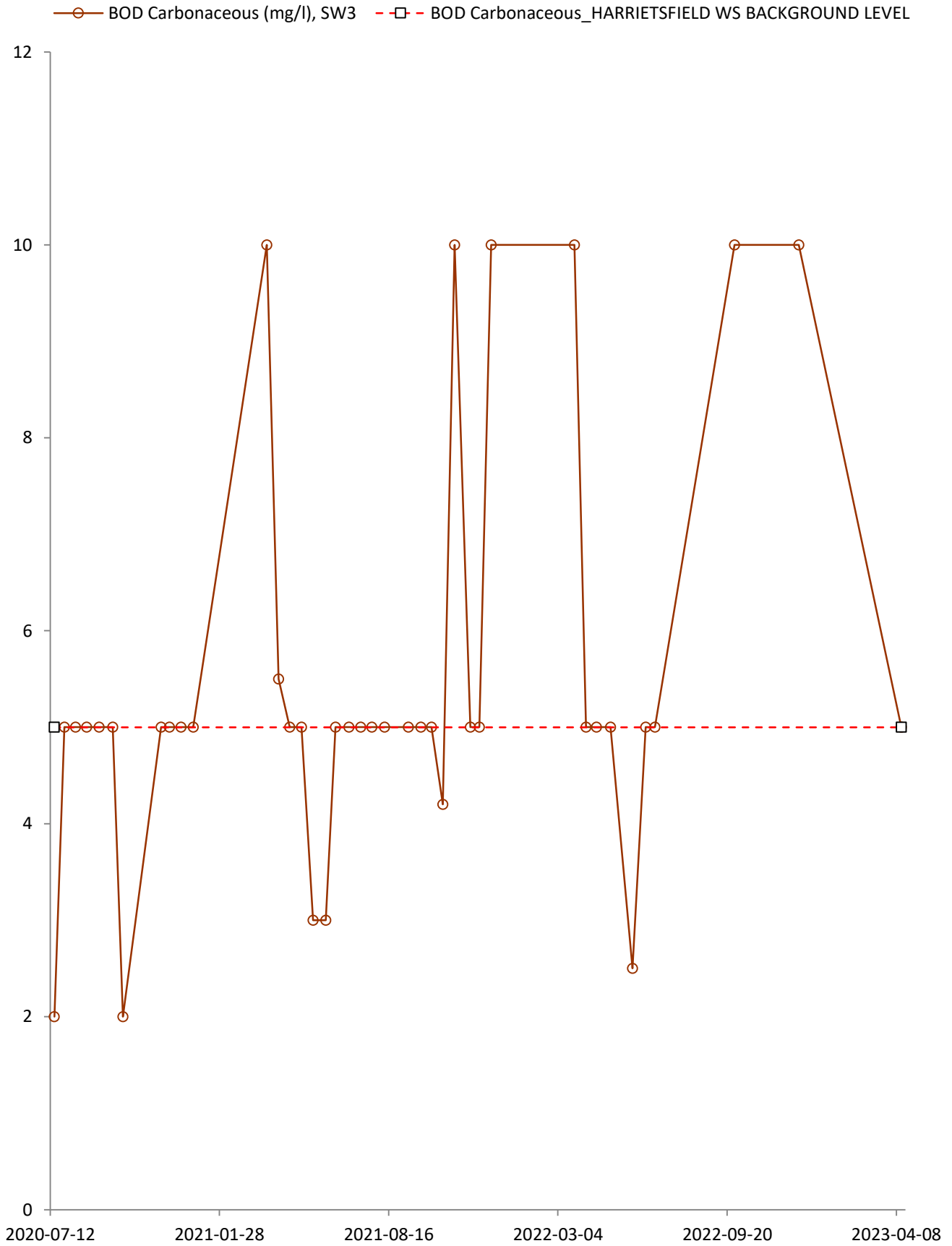


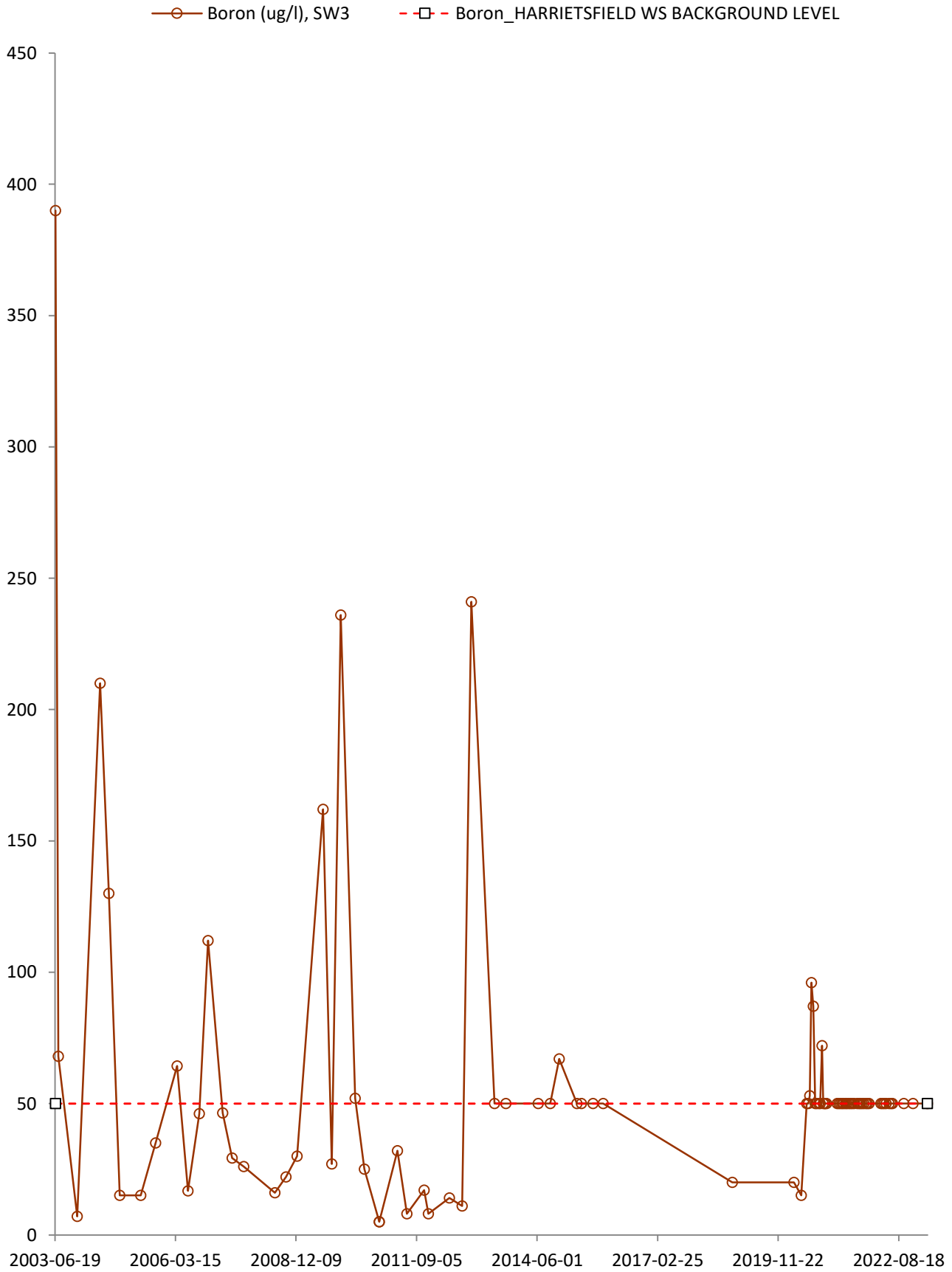


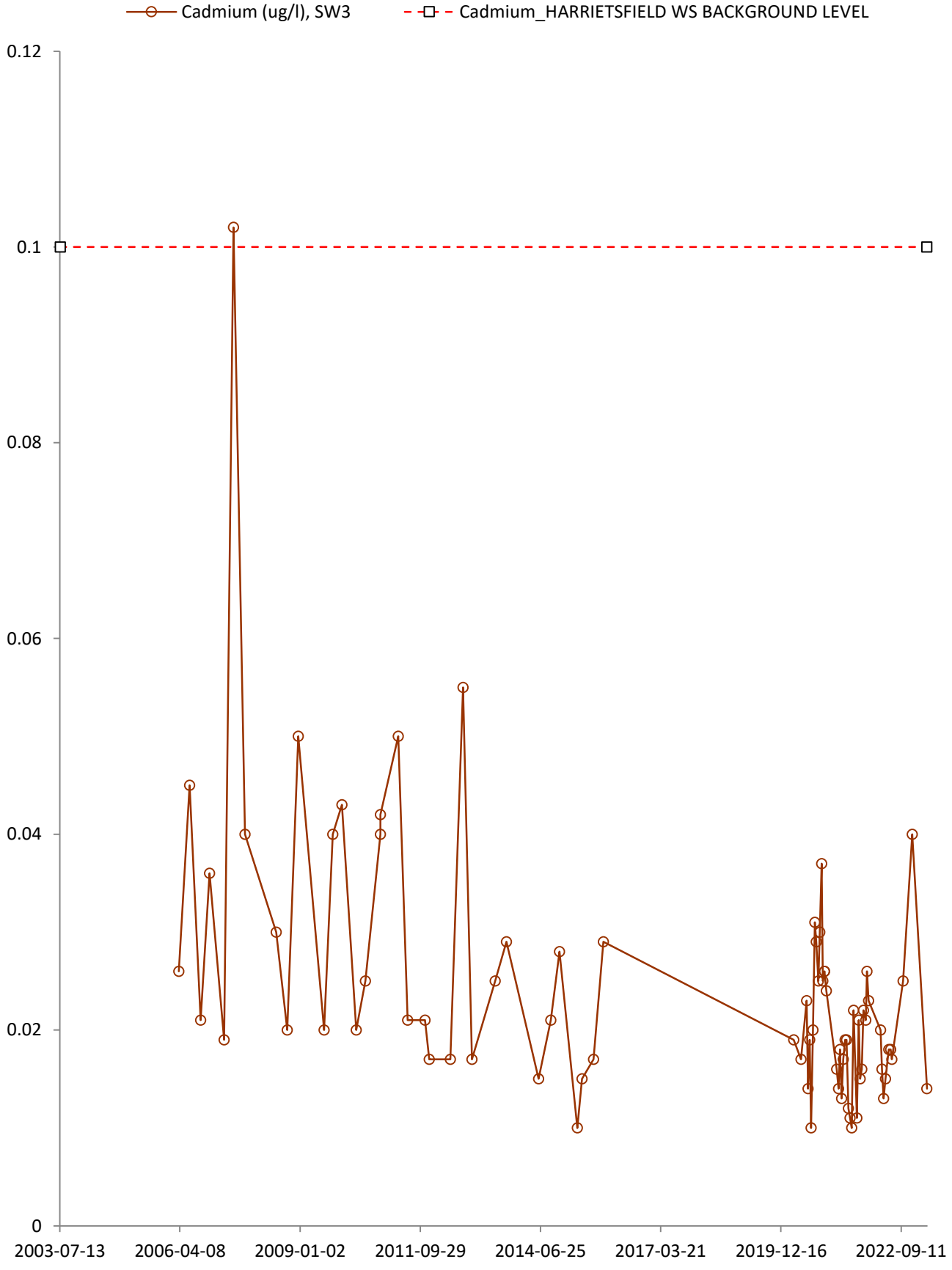
—○— Beryllium (ug/l), SW3 - -□- - Beryllium_HARRIETSFIELD WS BACKGROUND LEVEL

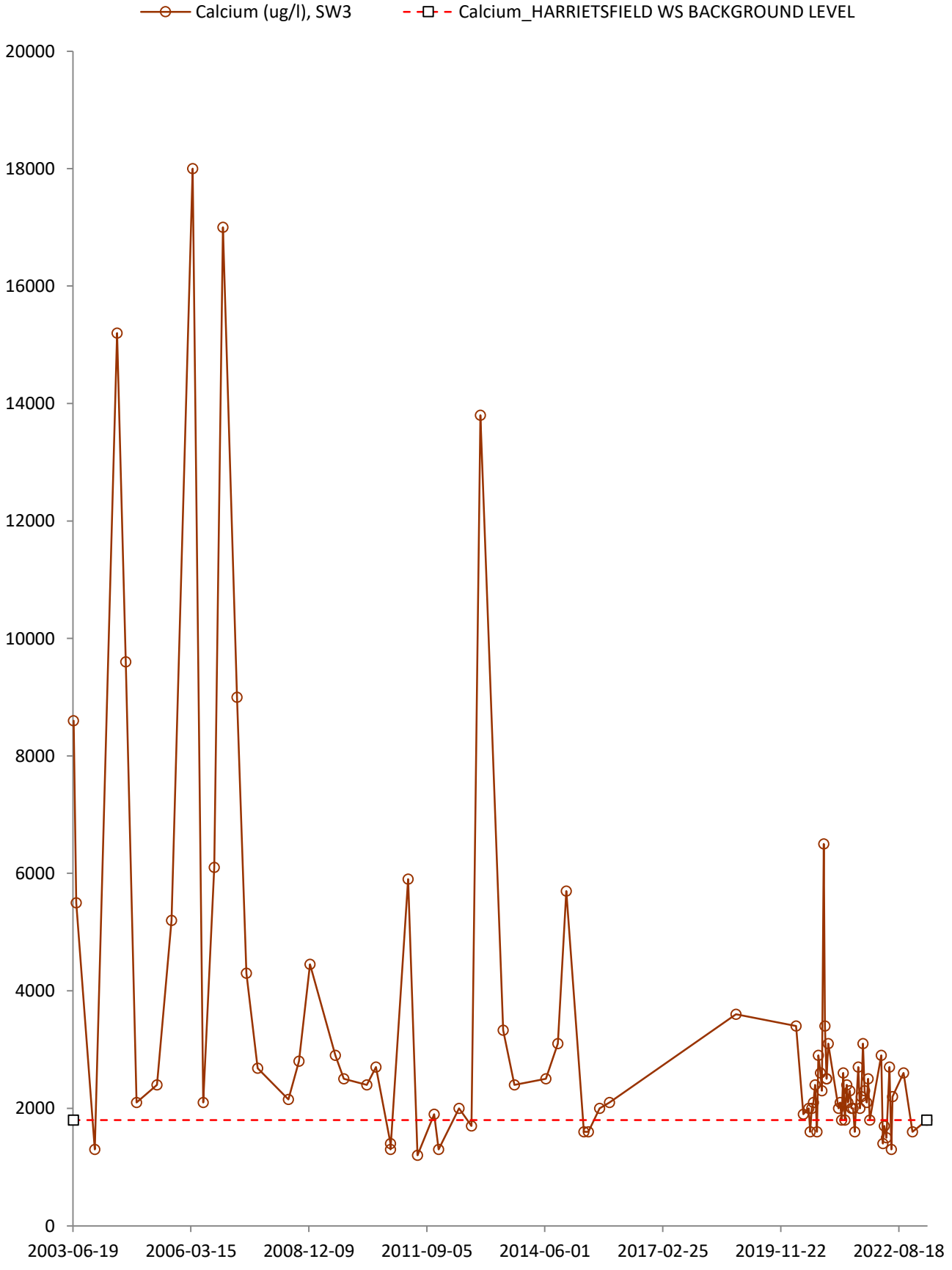




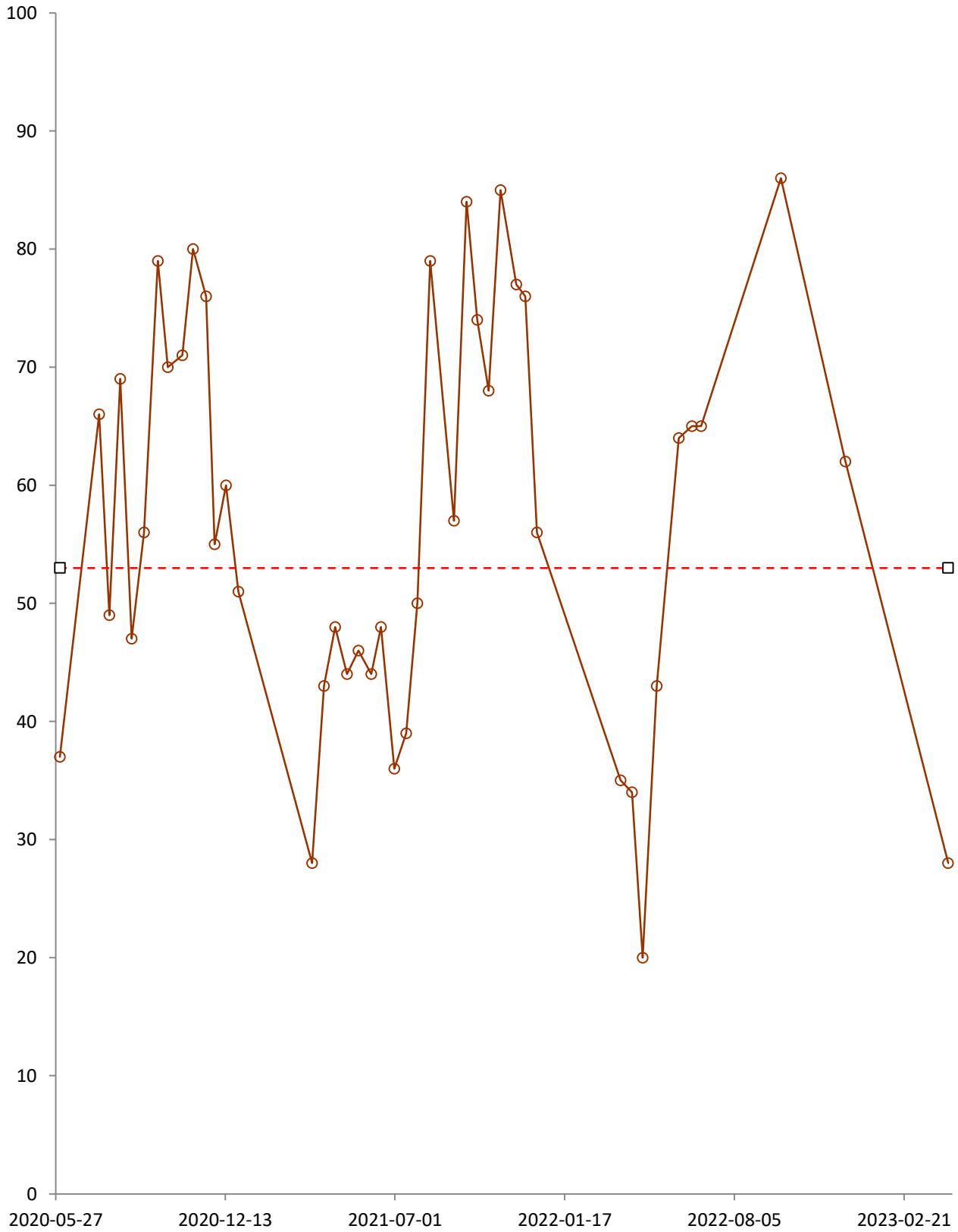


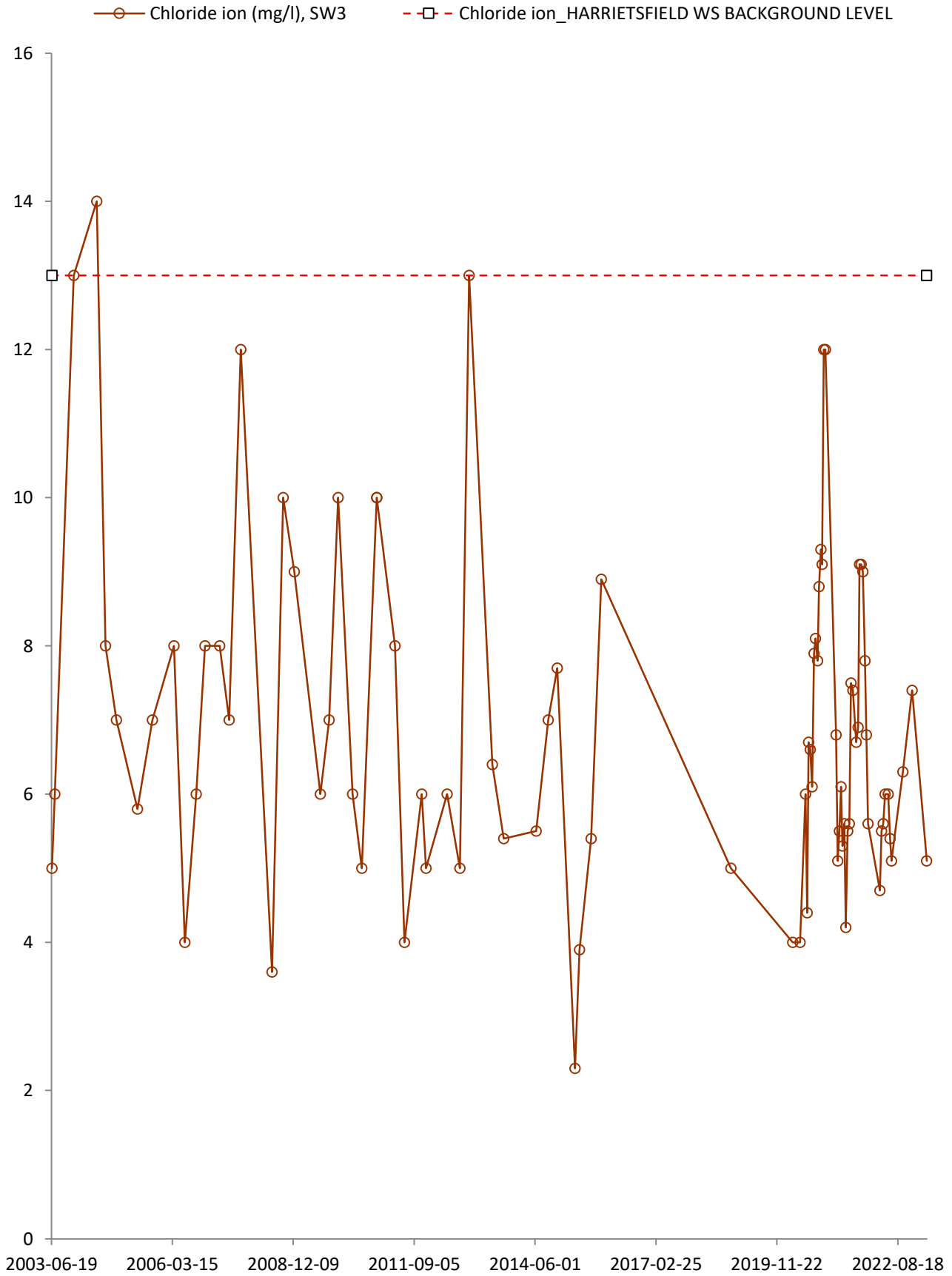


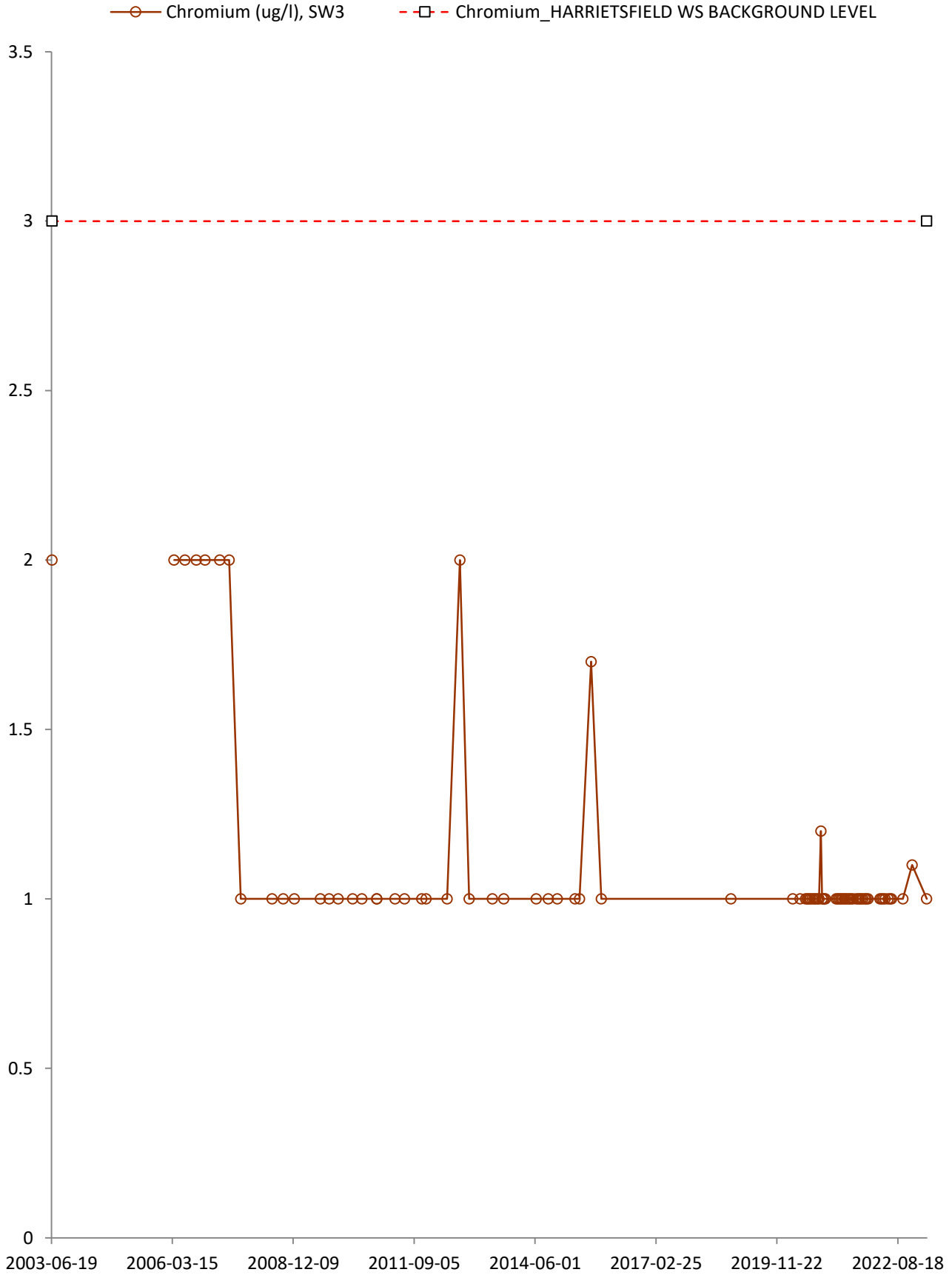


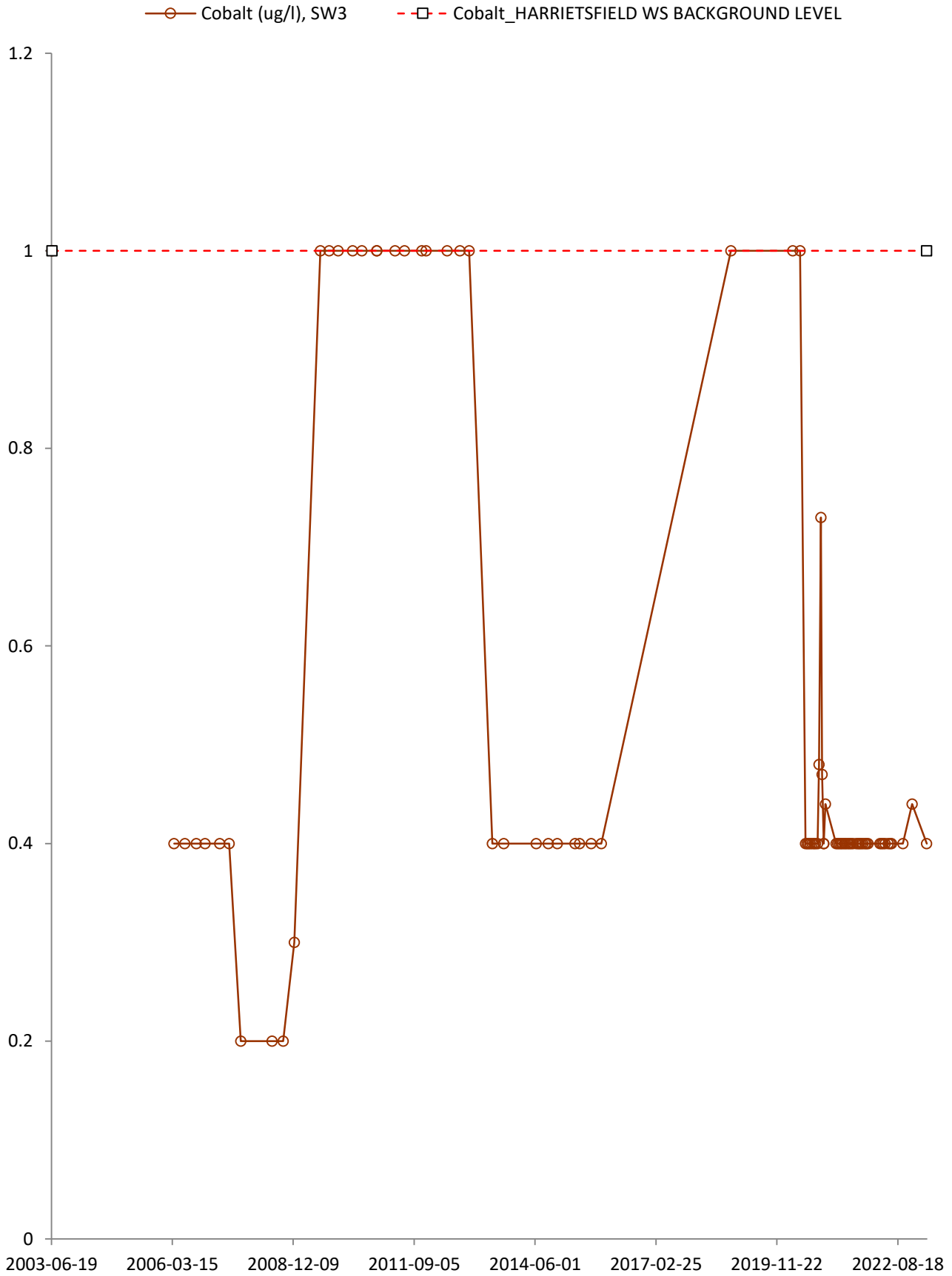


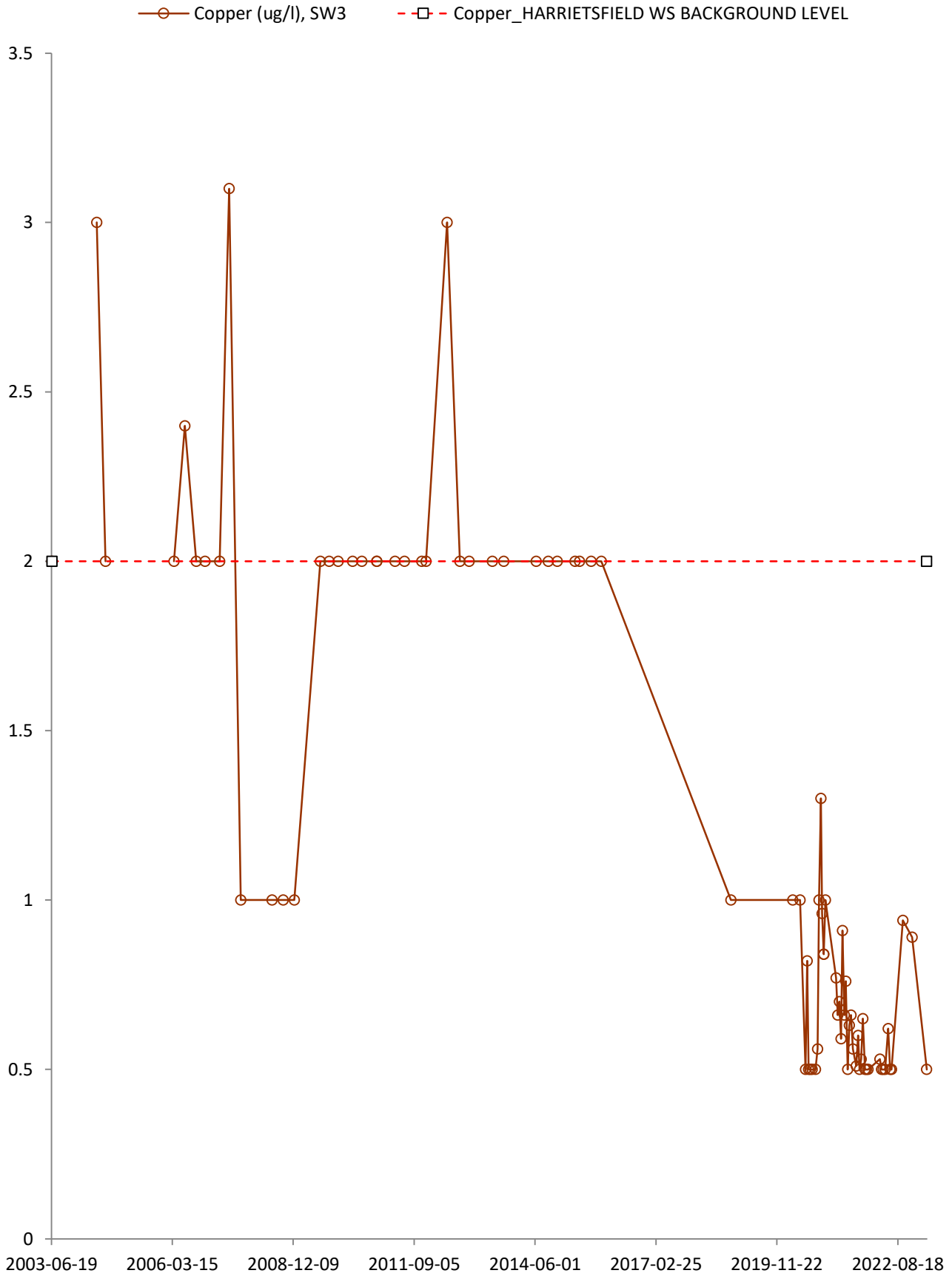
—○— Chemical Oxygen Demand (mg/l), SW3
- -□- - Chemical Oxygen Demand_HARRIETSFIELD WS BACKGROUND LEVEL



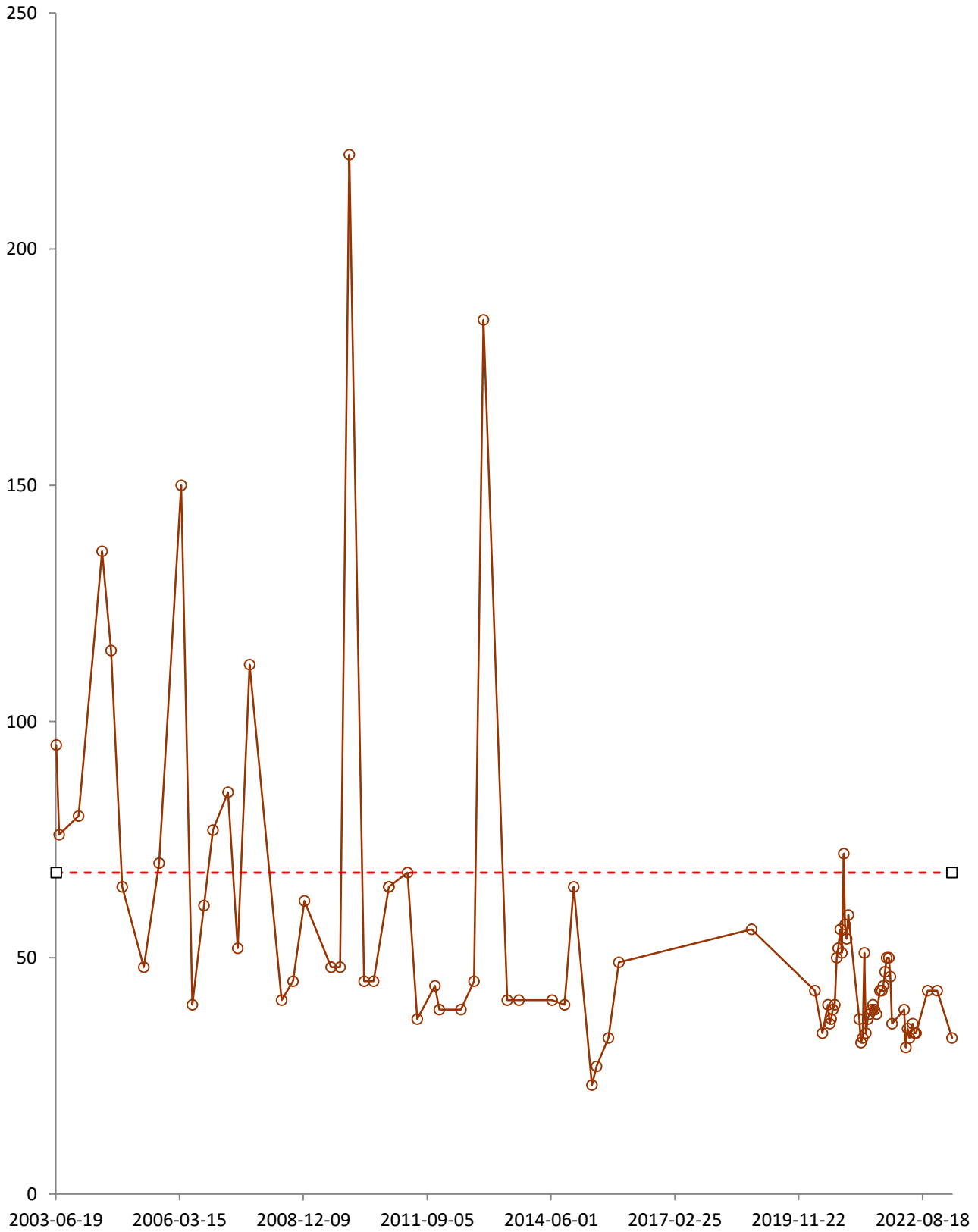


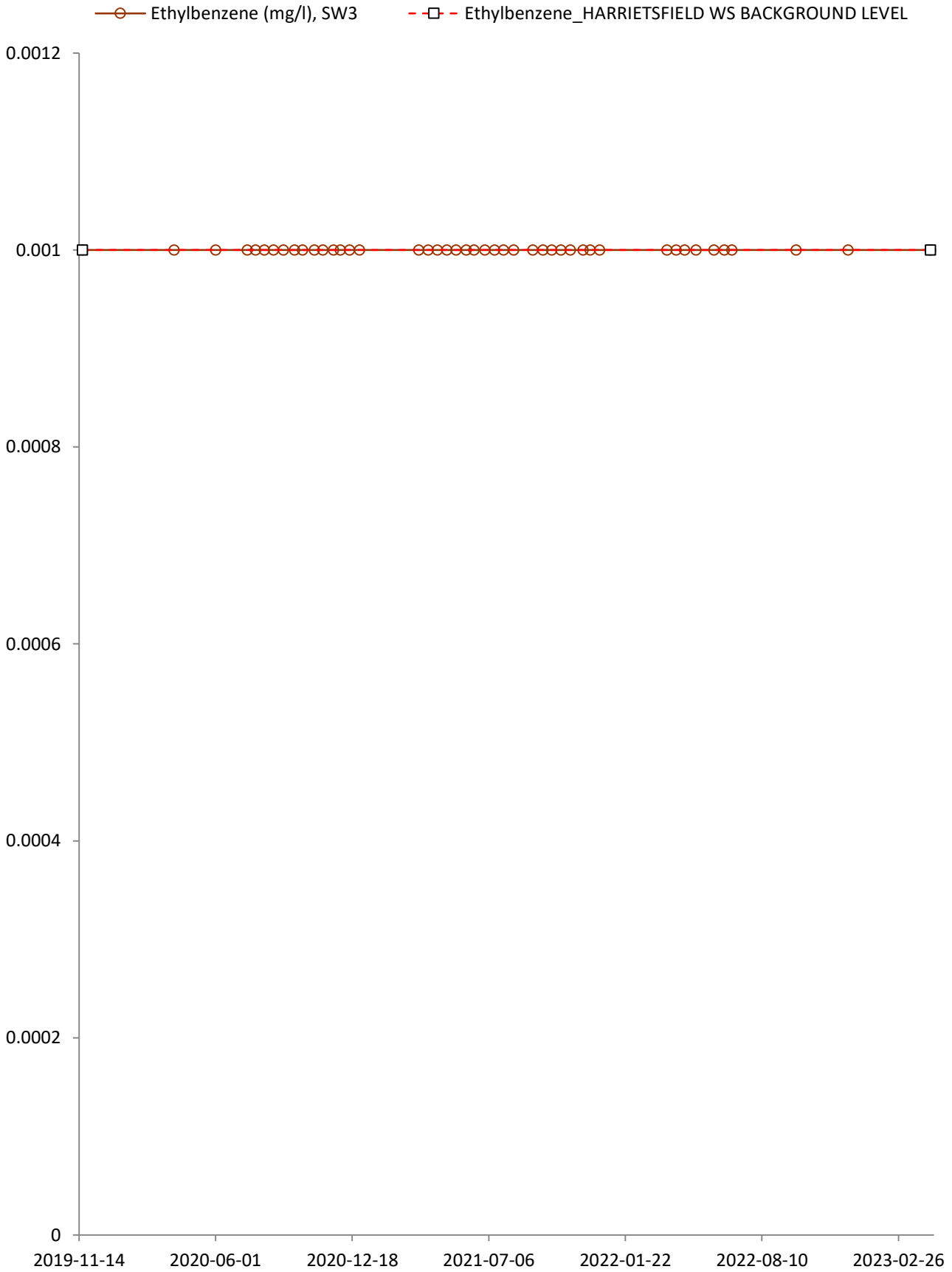


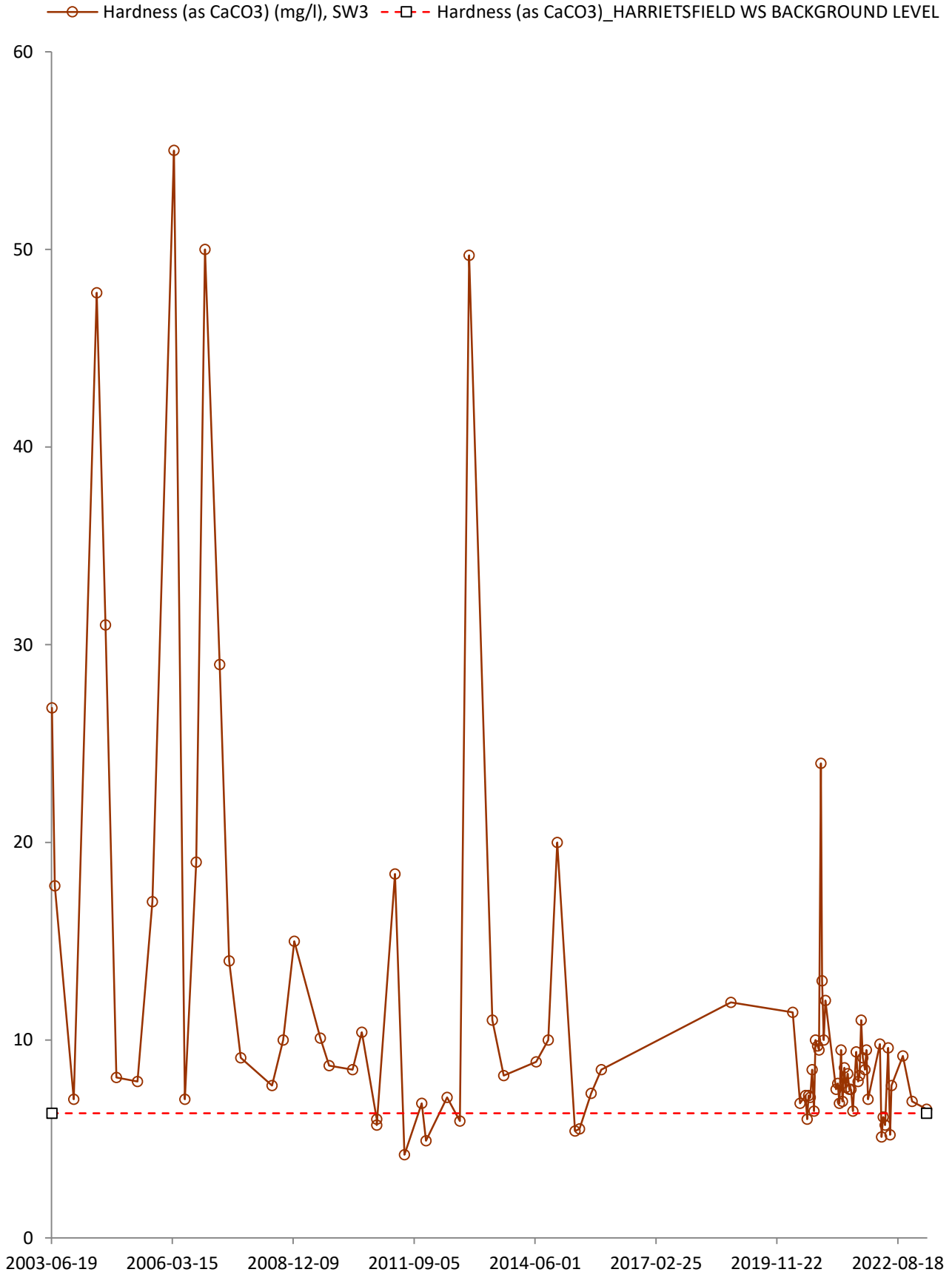


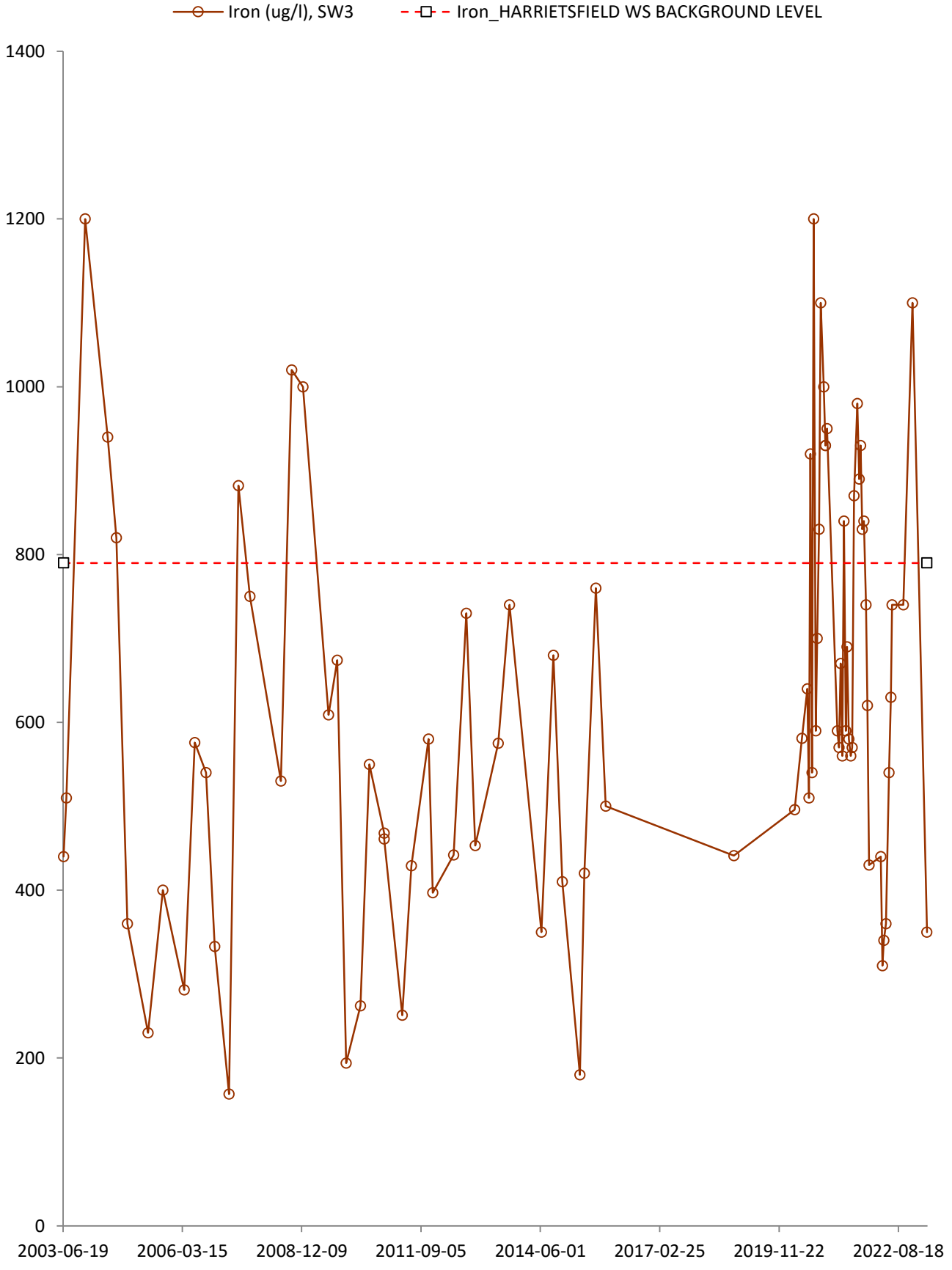


- Electrical Conductivity (umhos/cm), SW3
- -□- - Electrical Conductivity_HARRIETSFIELD WS BACKGROUND LEVEL

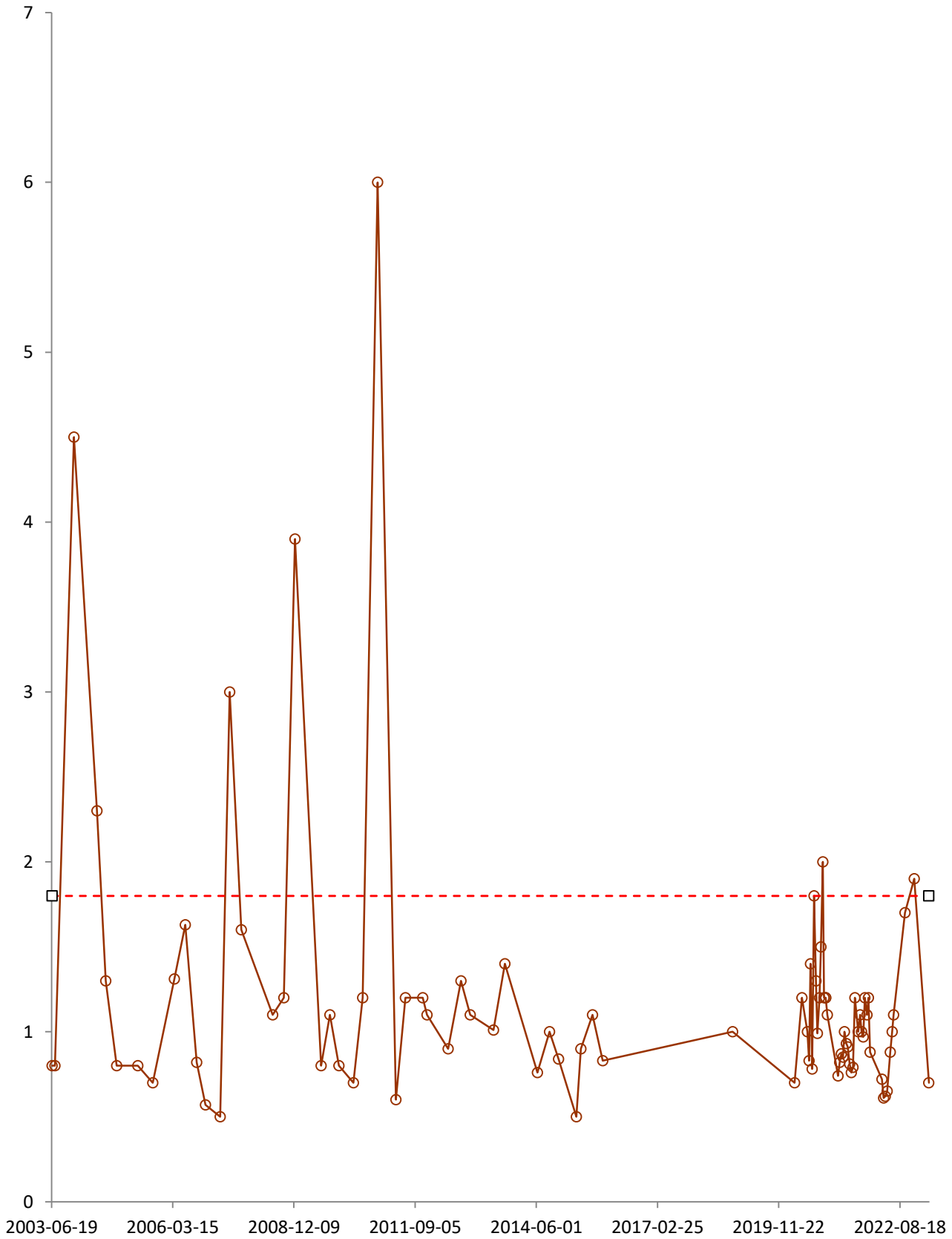


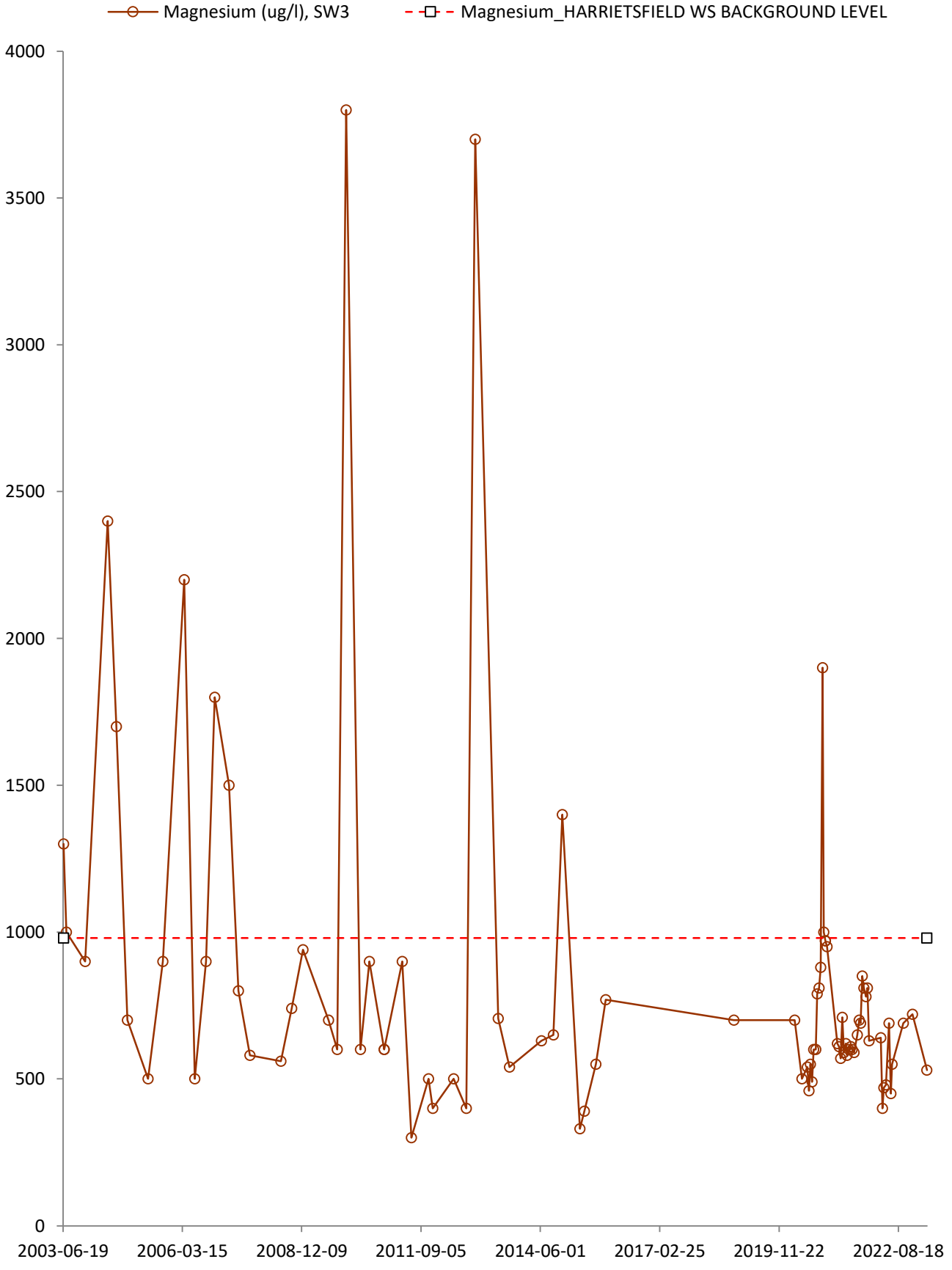


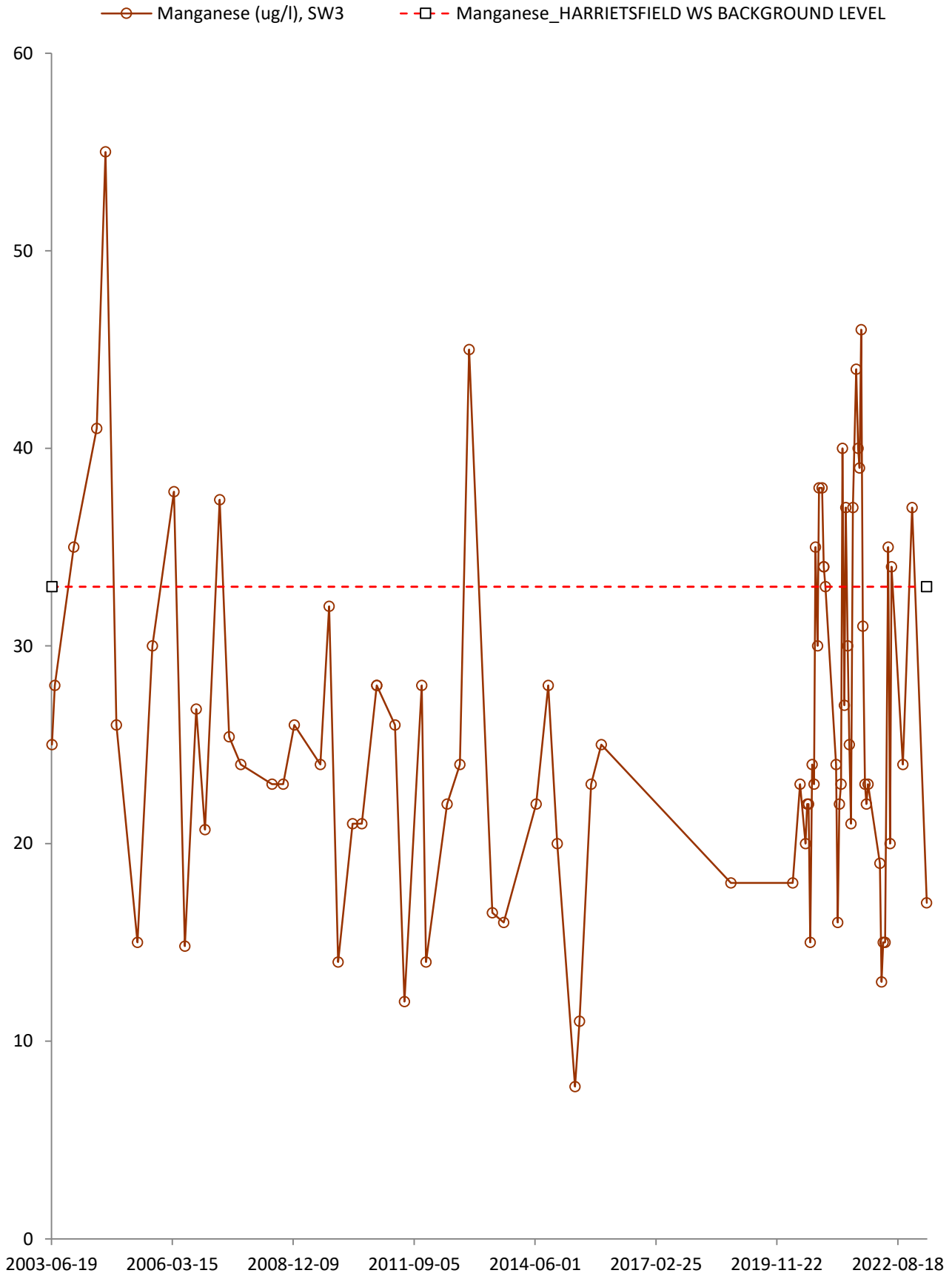


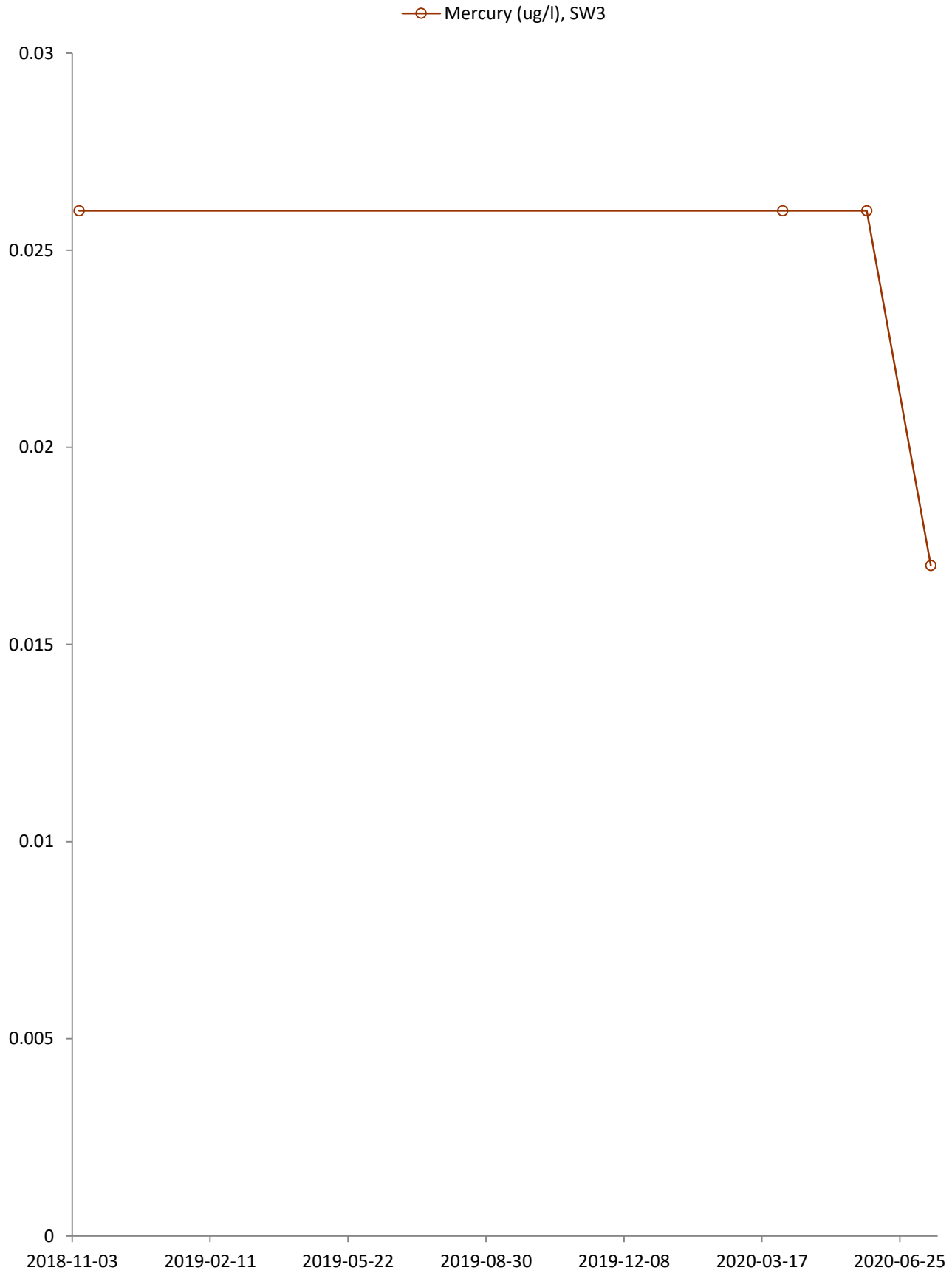


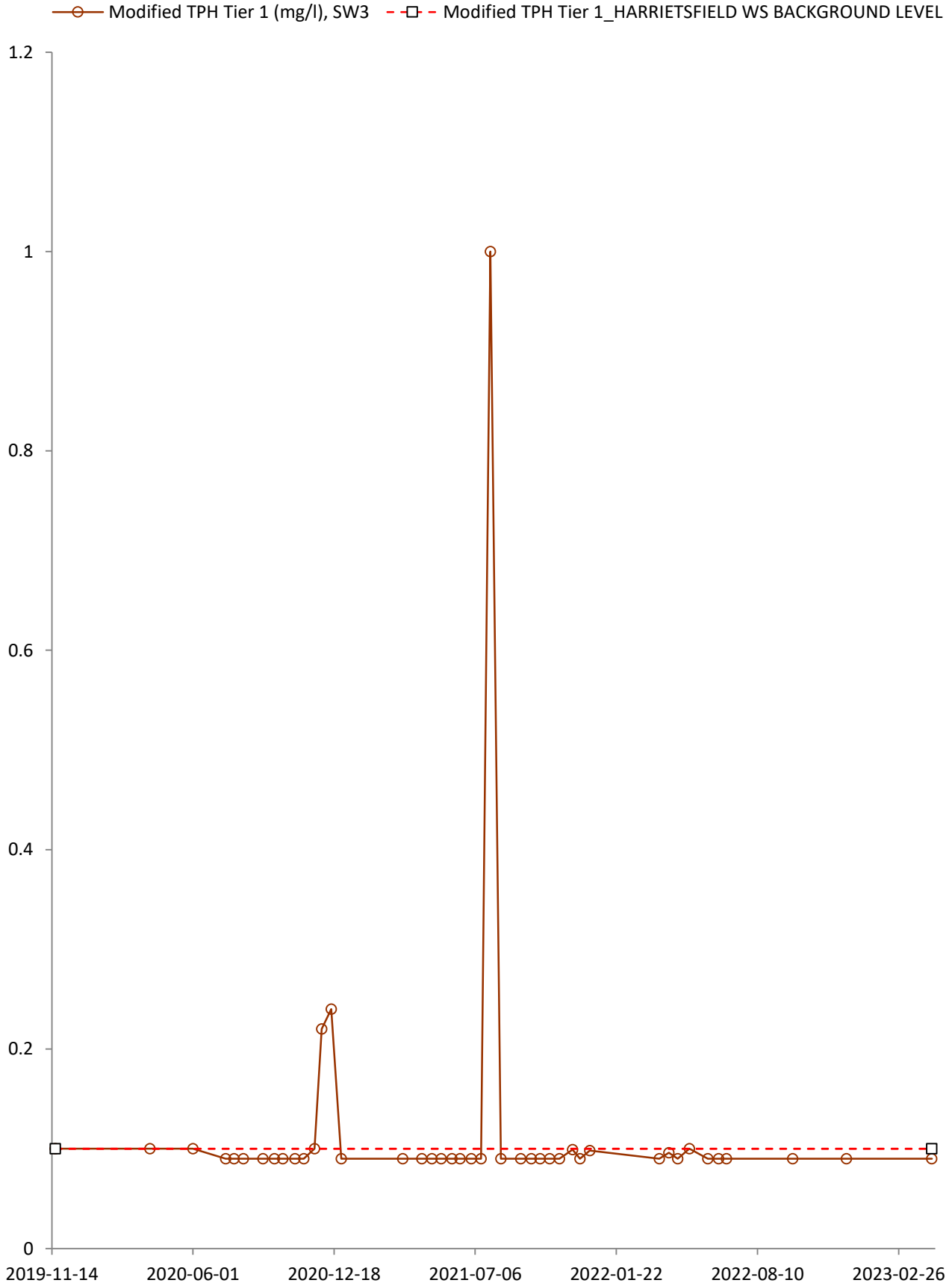
—○— Lead (ug/l), SW3 - -□- - Lead_HARRIETSFIELD WS BACKGROUND LEVEL

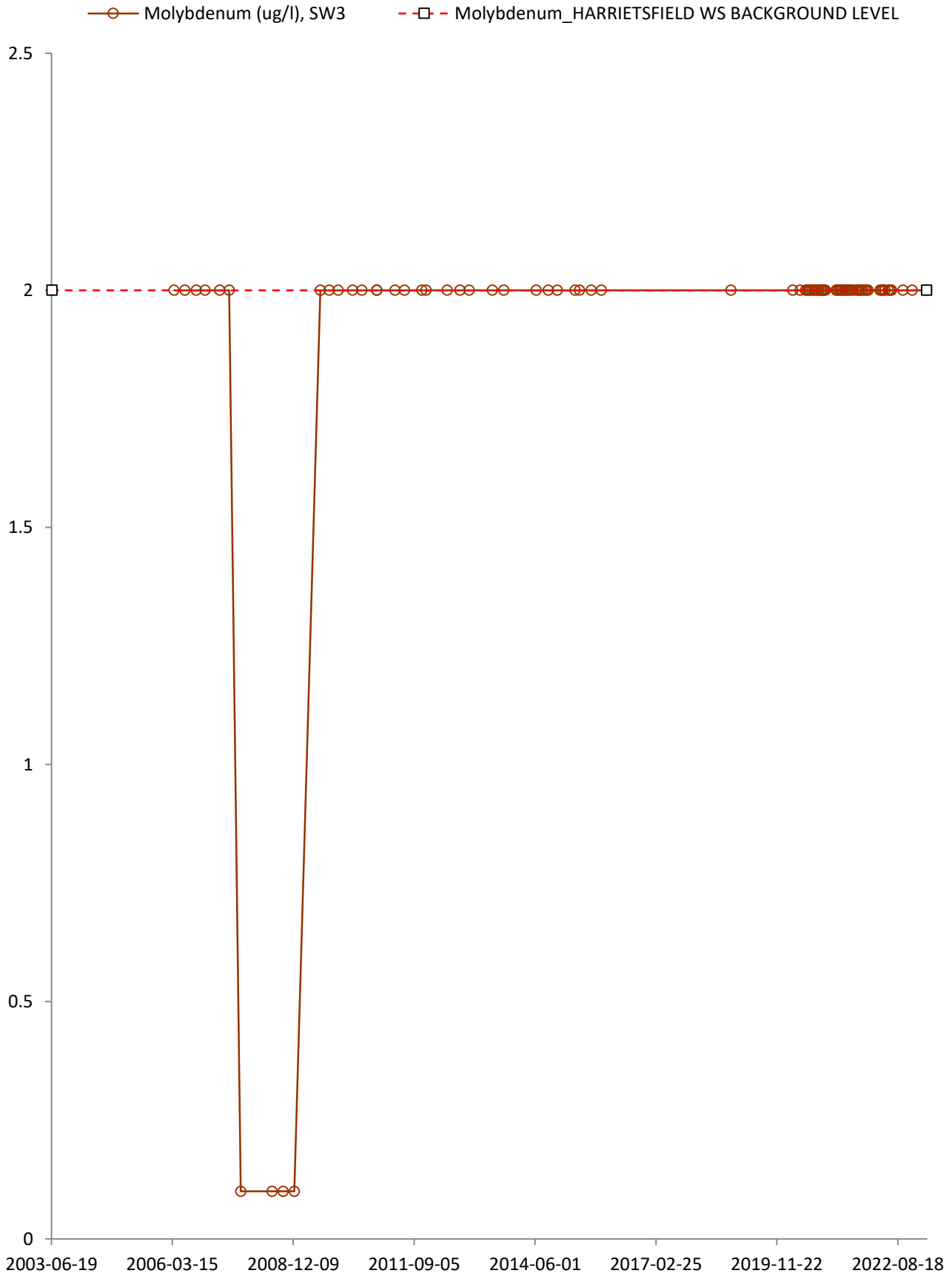


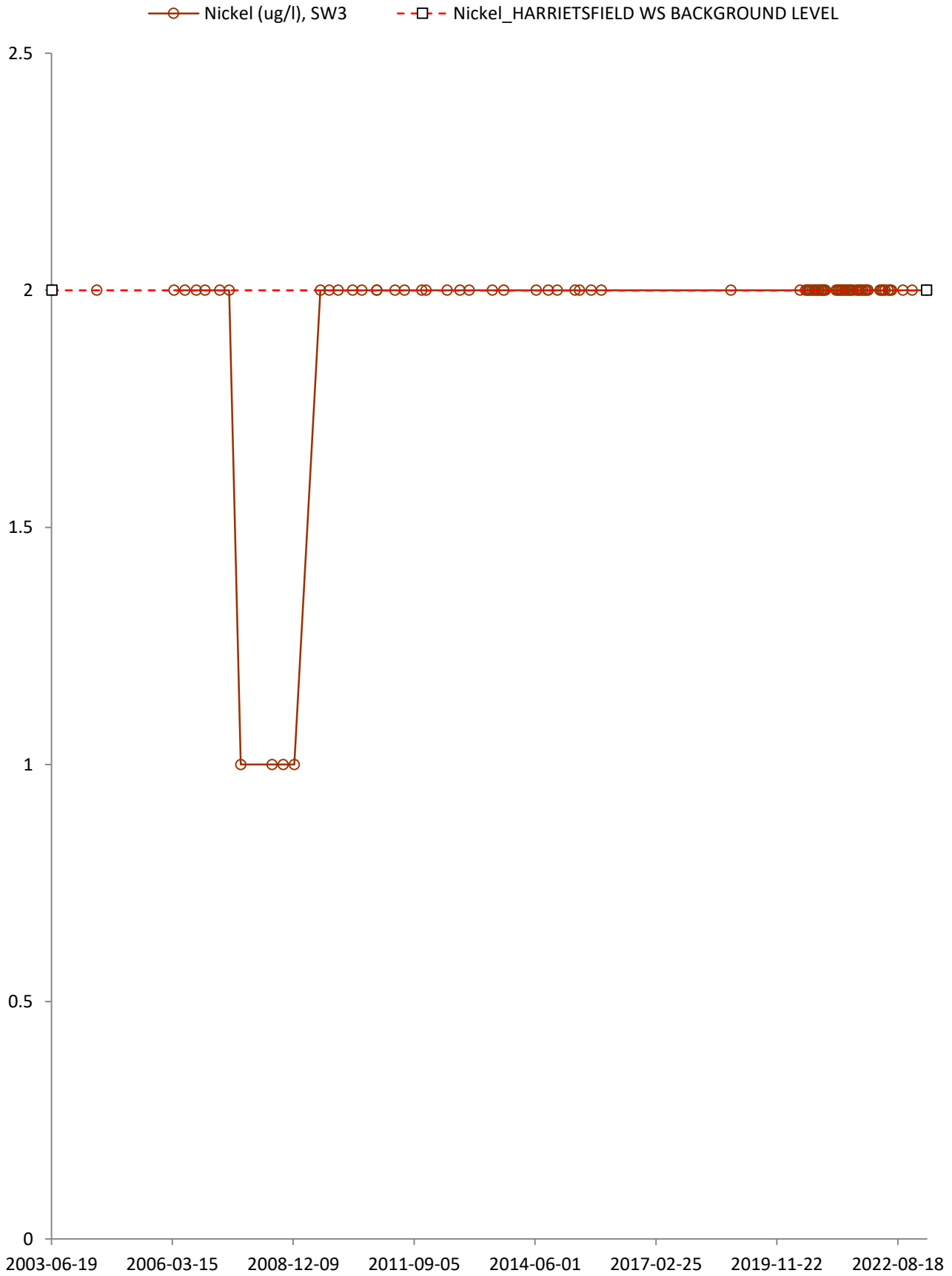


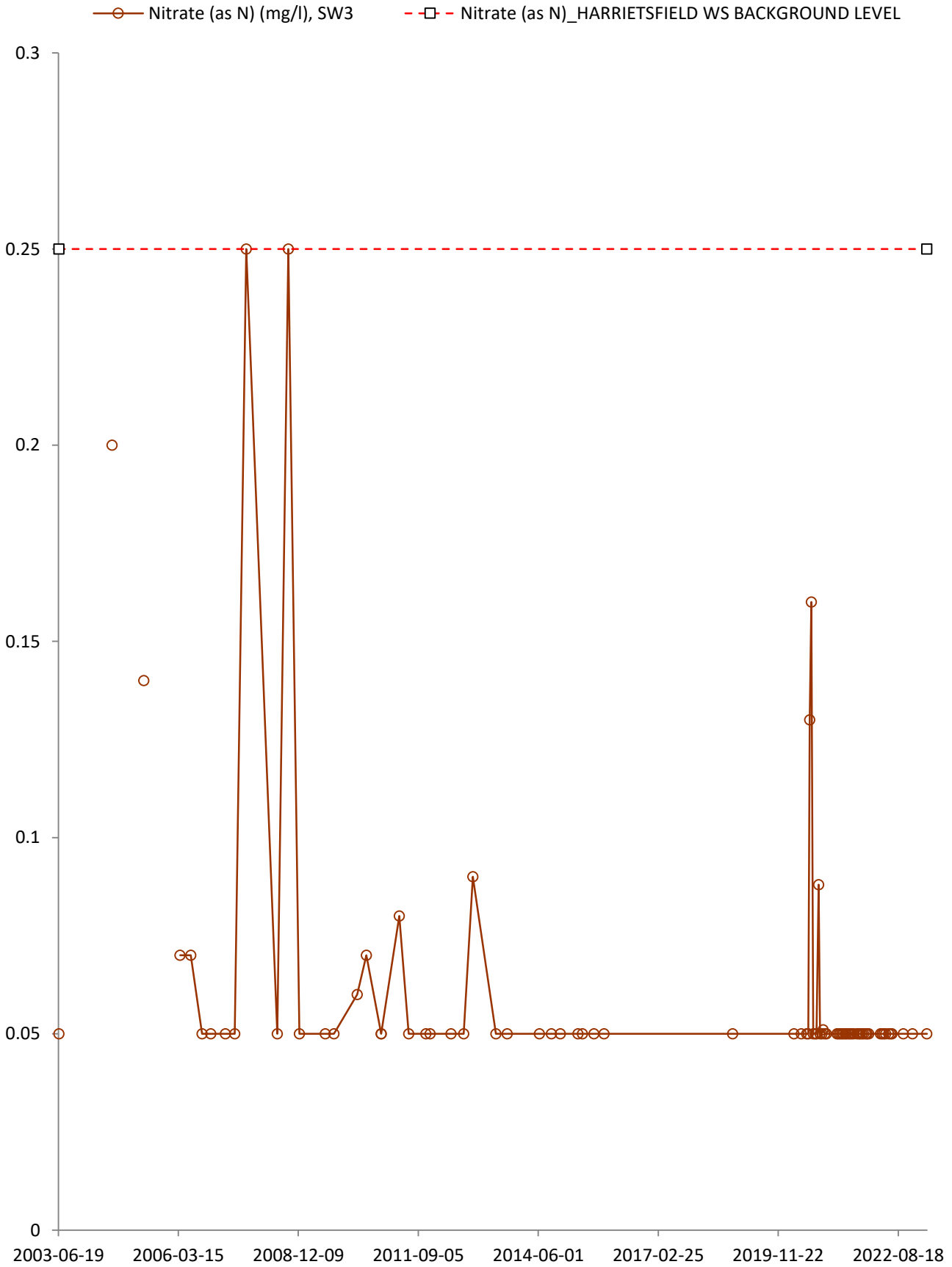




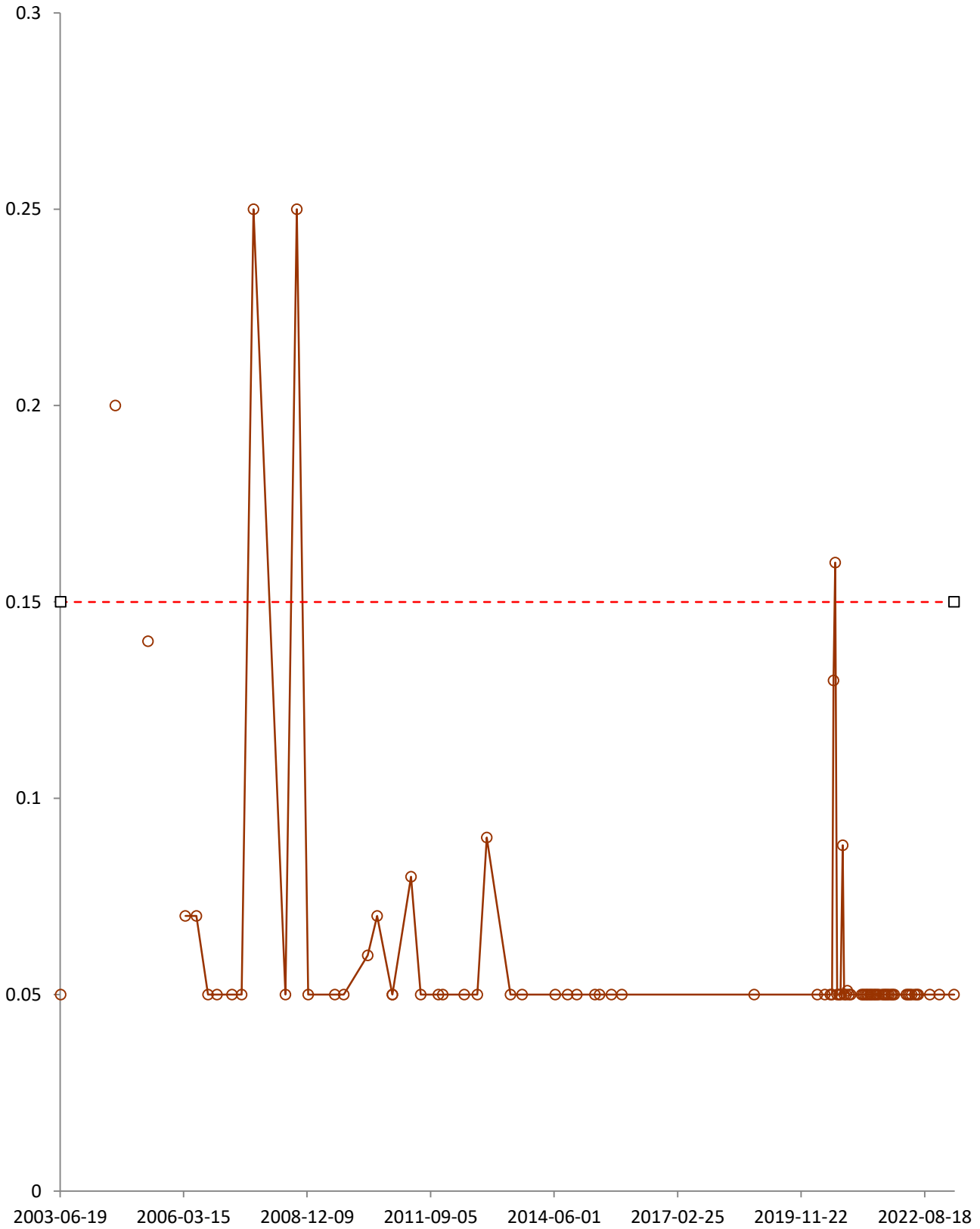


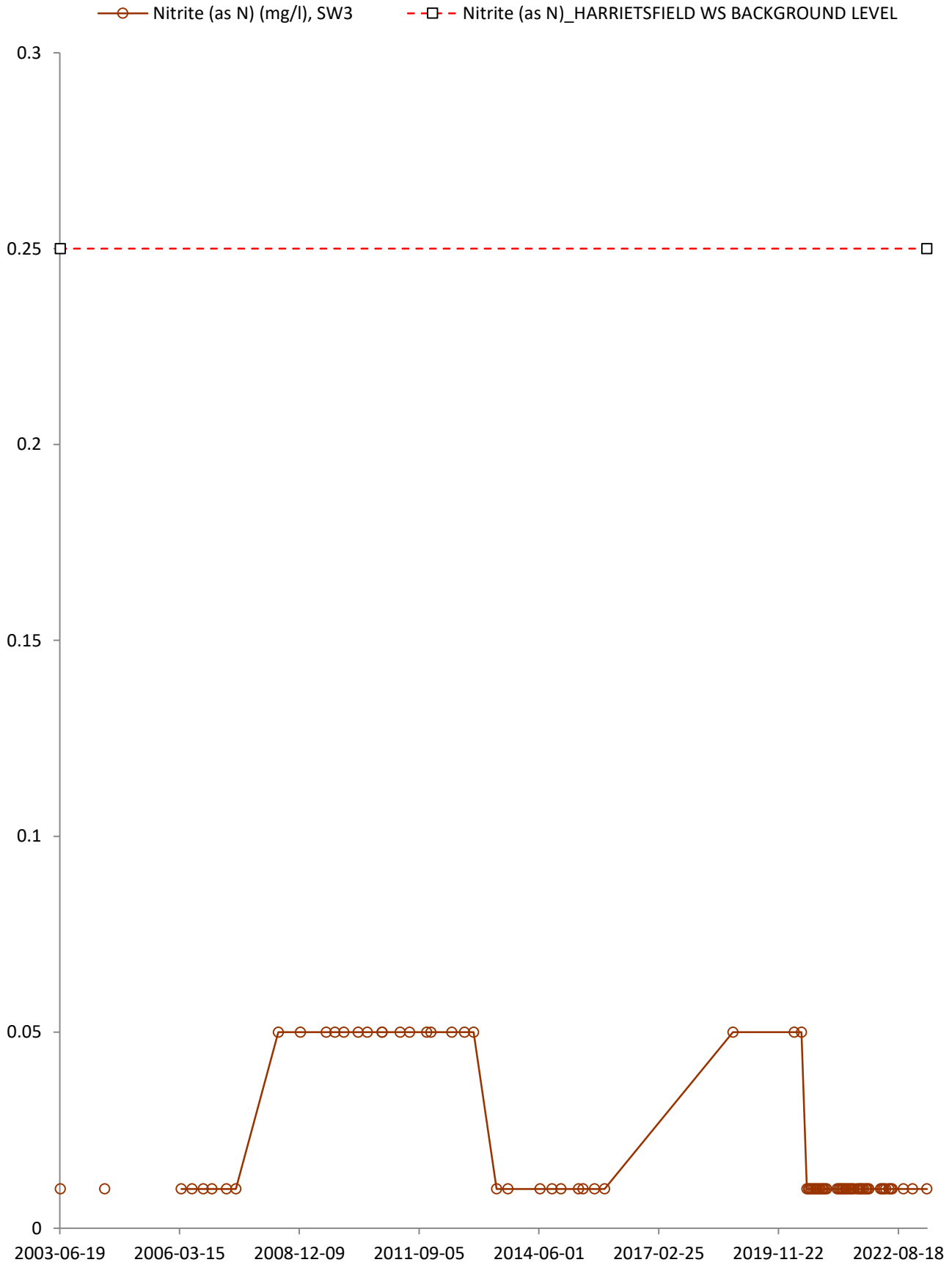




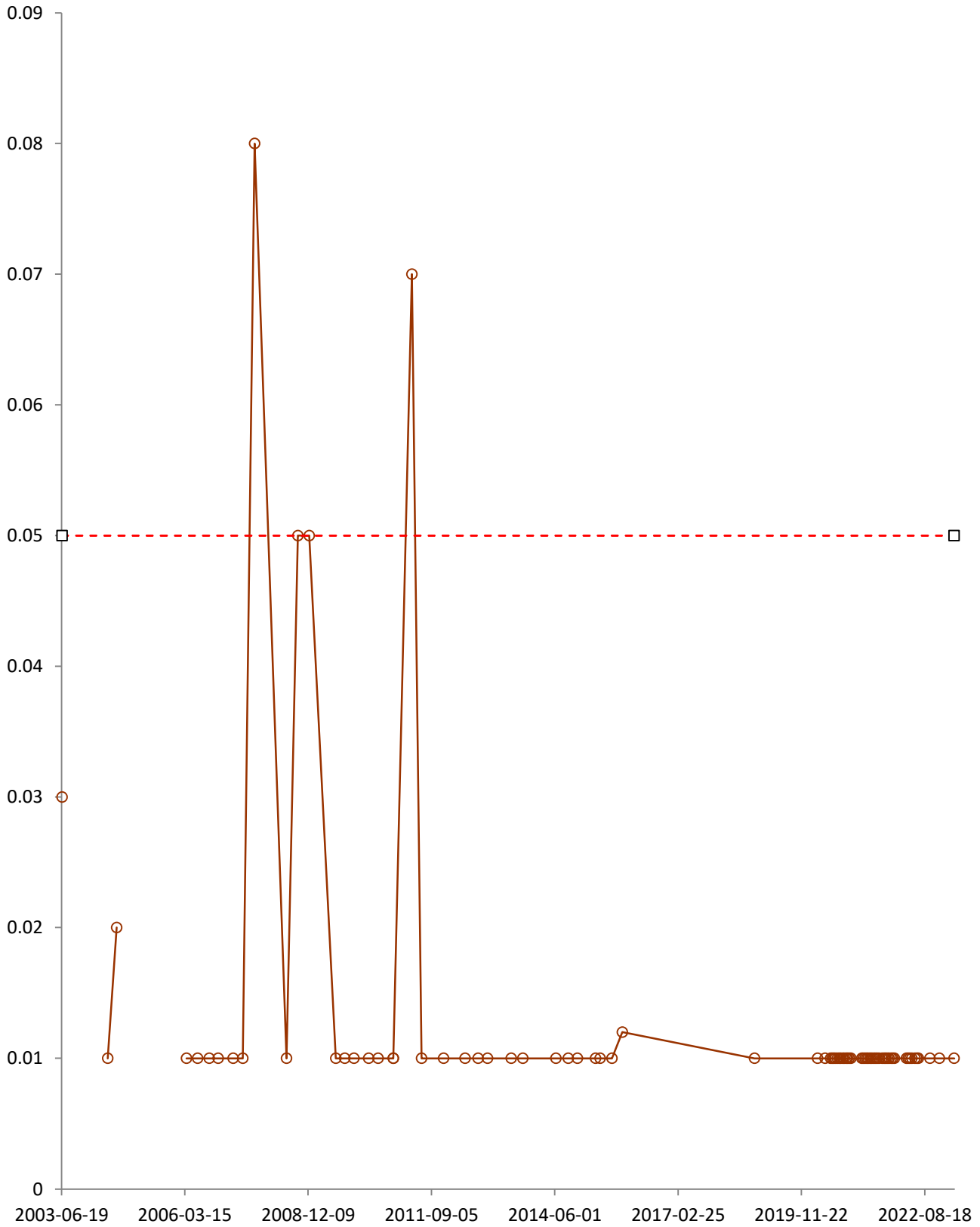


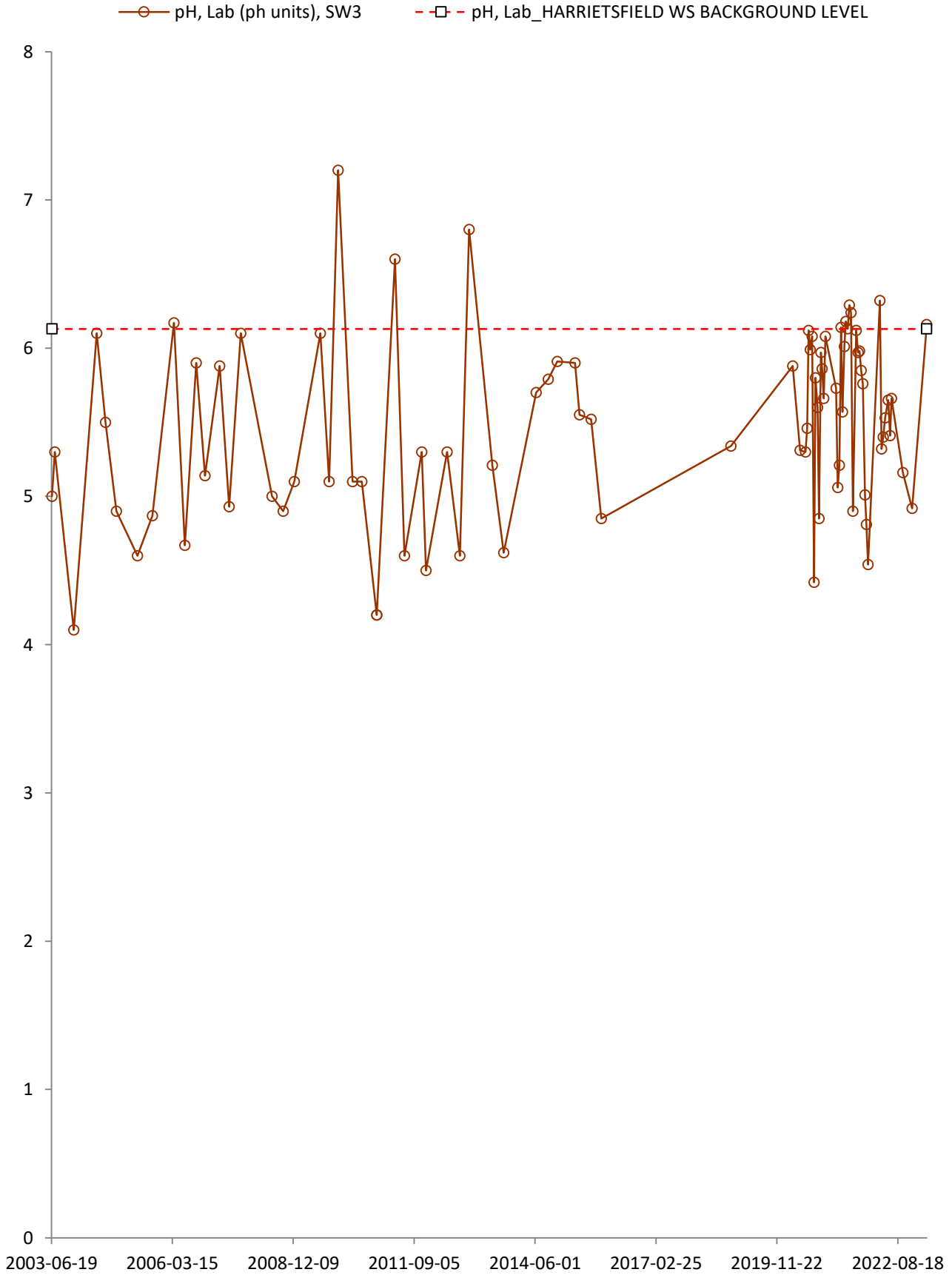
—○— Nitrate plus Nitrite (N) (mg/l), SW3
- -□- - Nitrate plus Nitrite (N)_HARRIETSFIELD WS BACKGROUND LEVEL

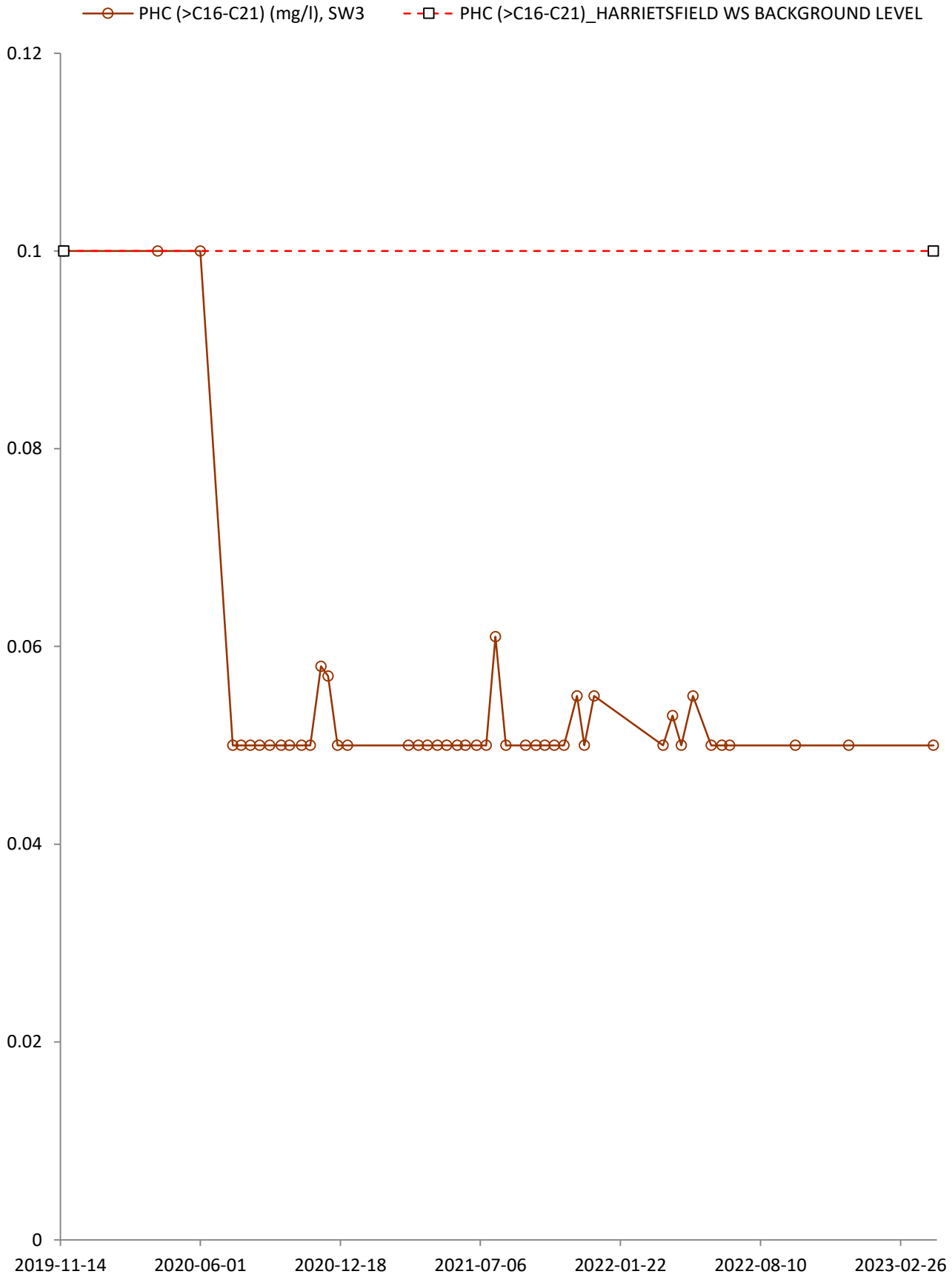


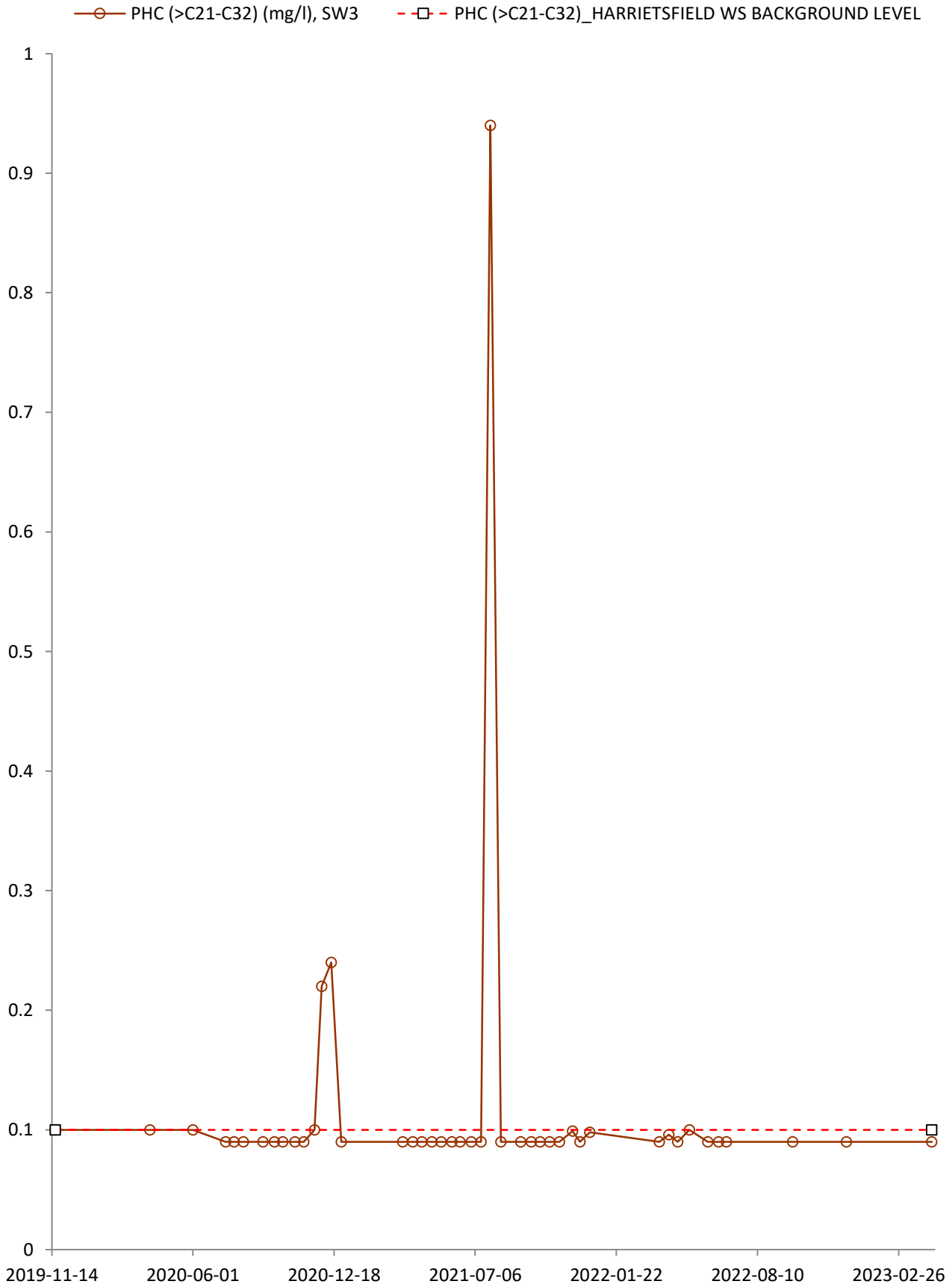


- Orthophosphate(as P) (mg/l), SW3
- -□- - Orthophosphate(as P)_HARRIETSFIELD WS BACKGROUND LEVEL

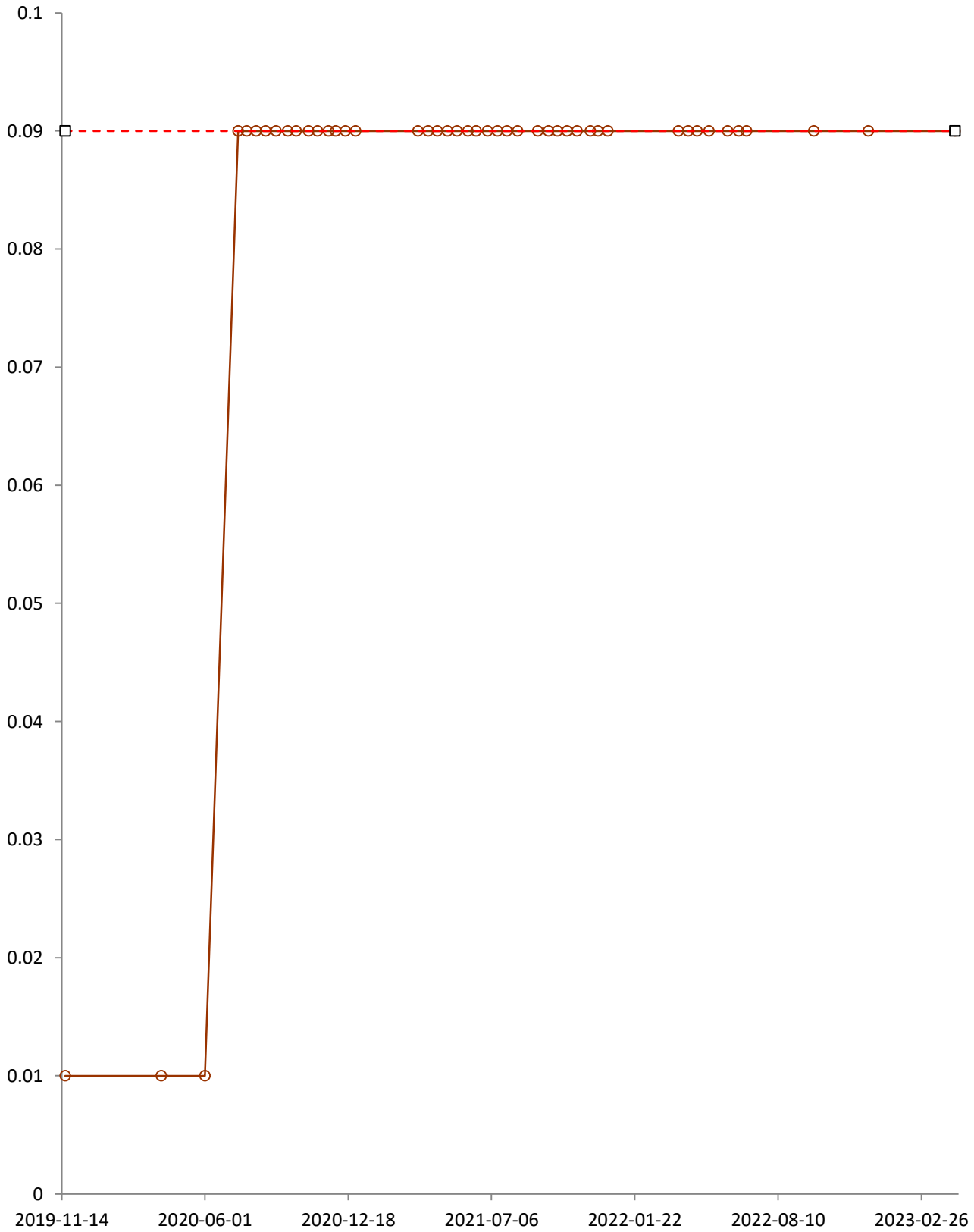


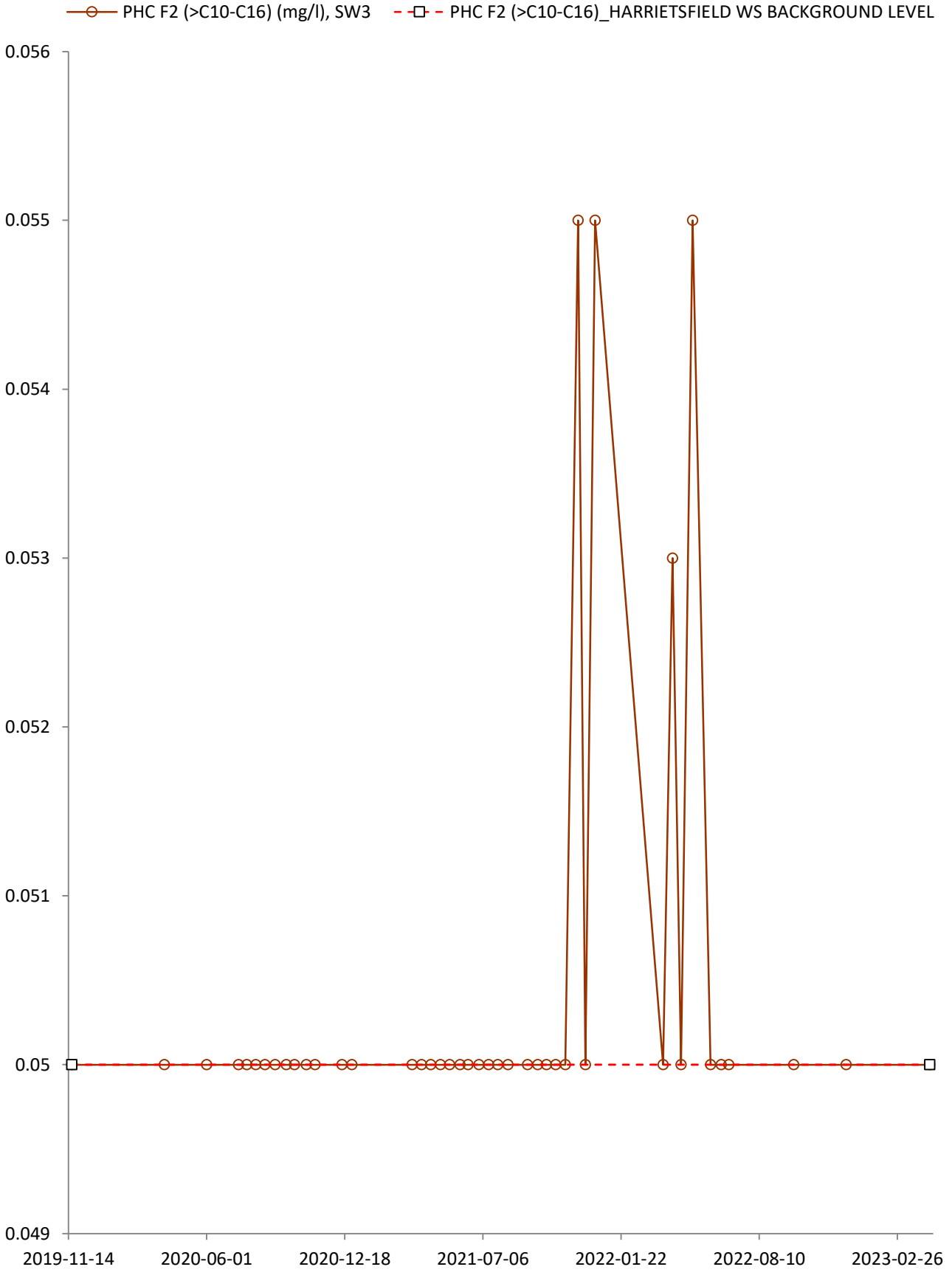


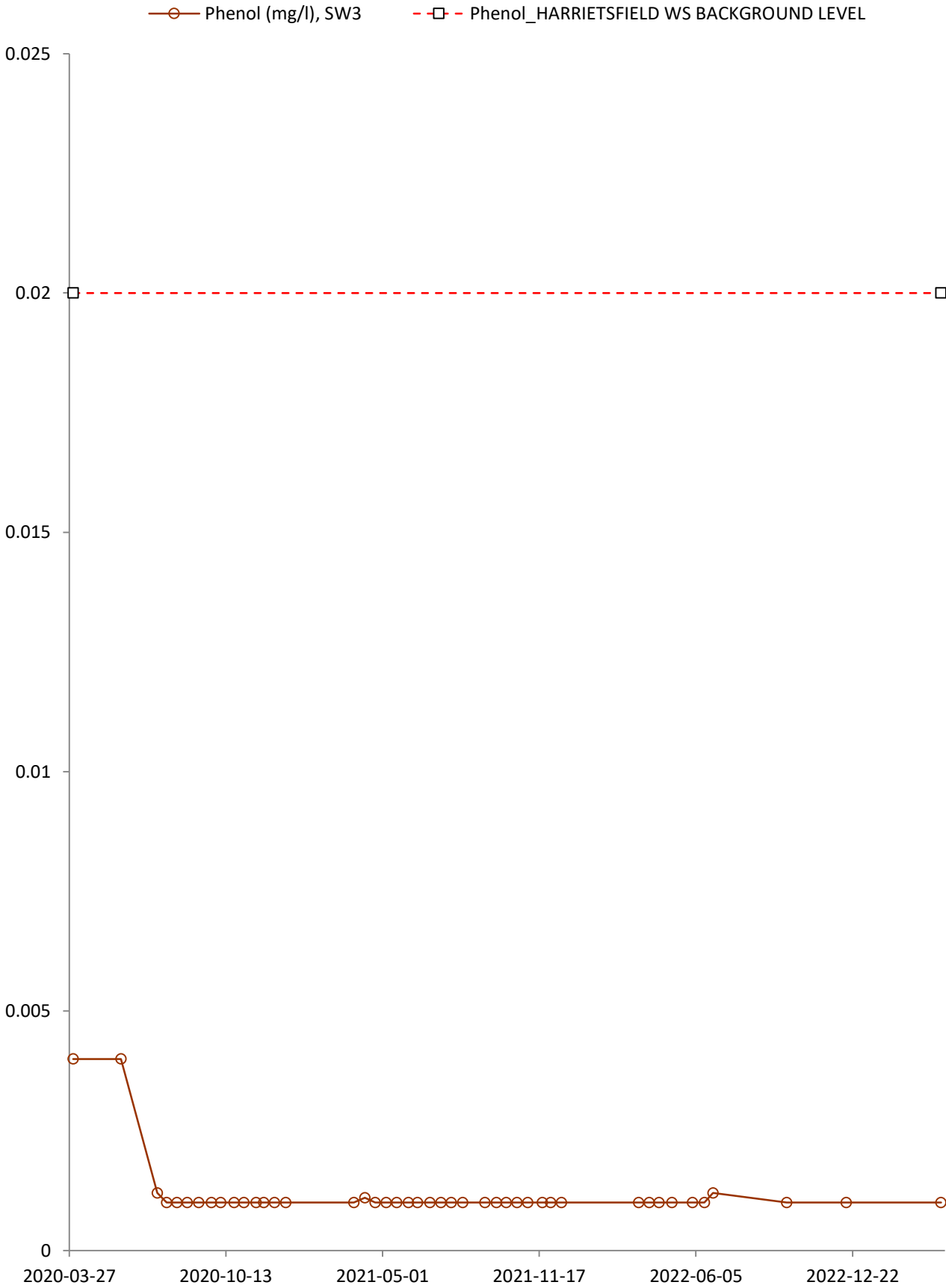


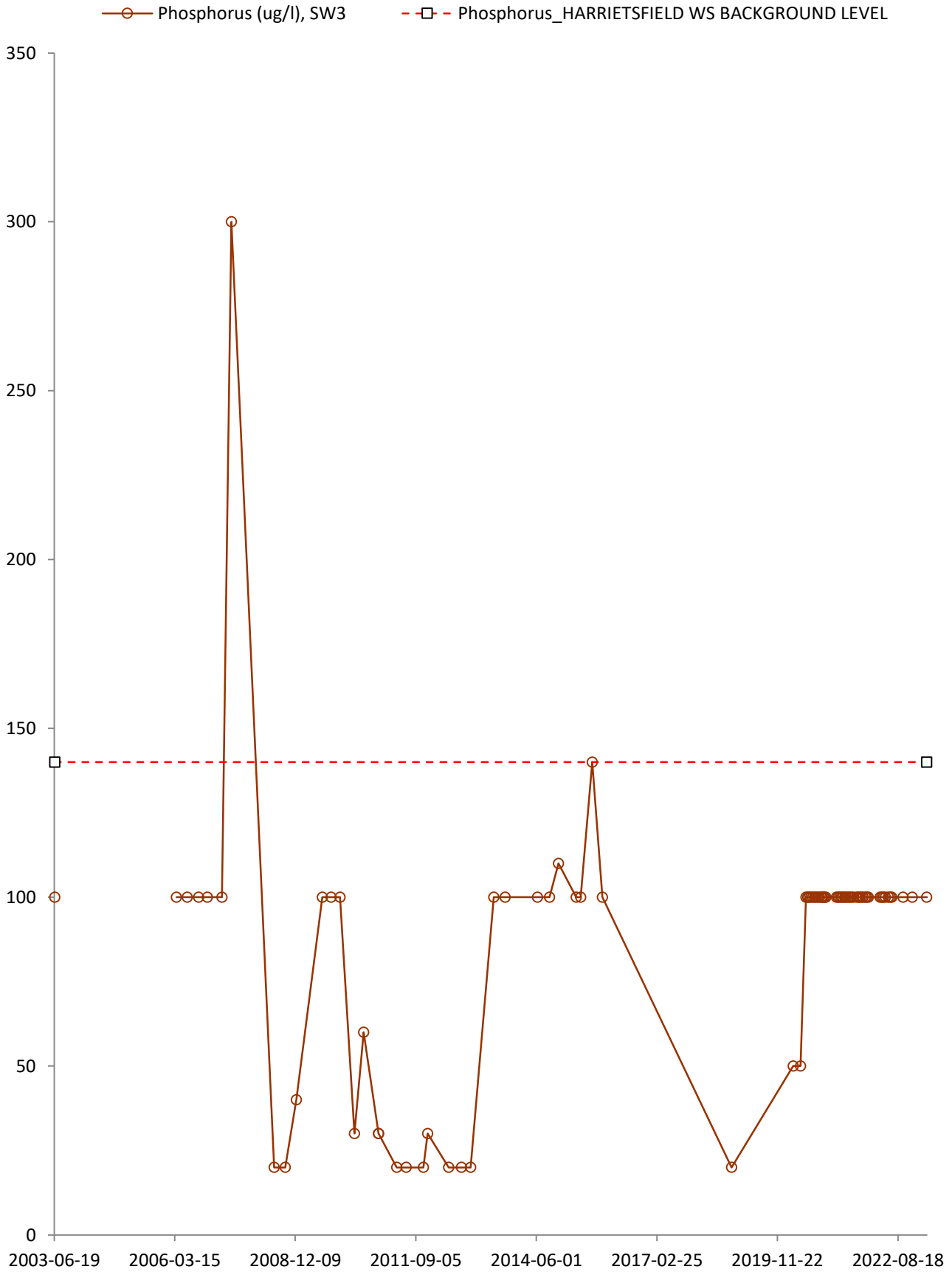


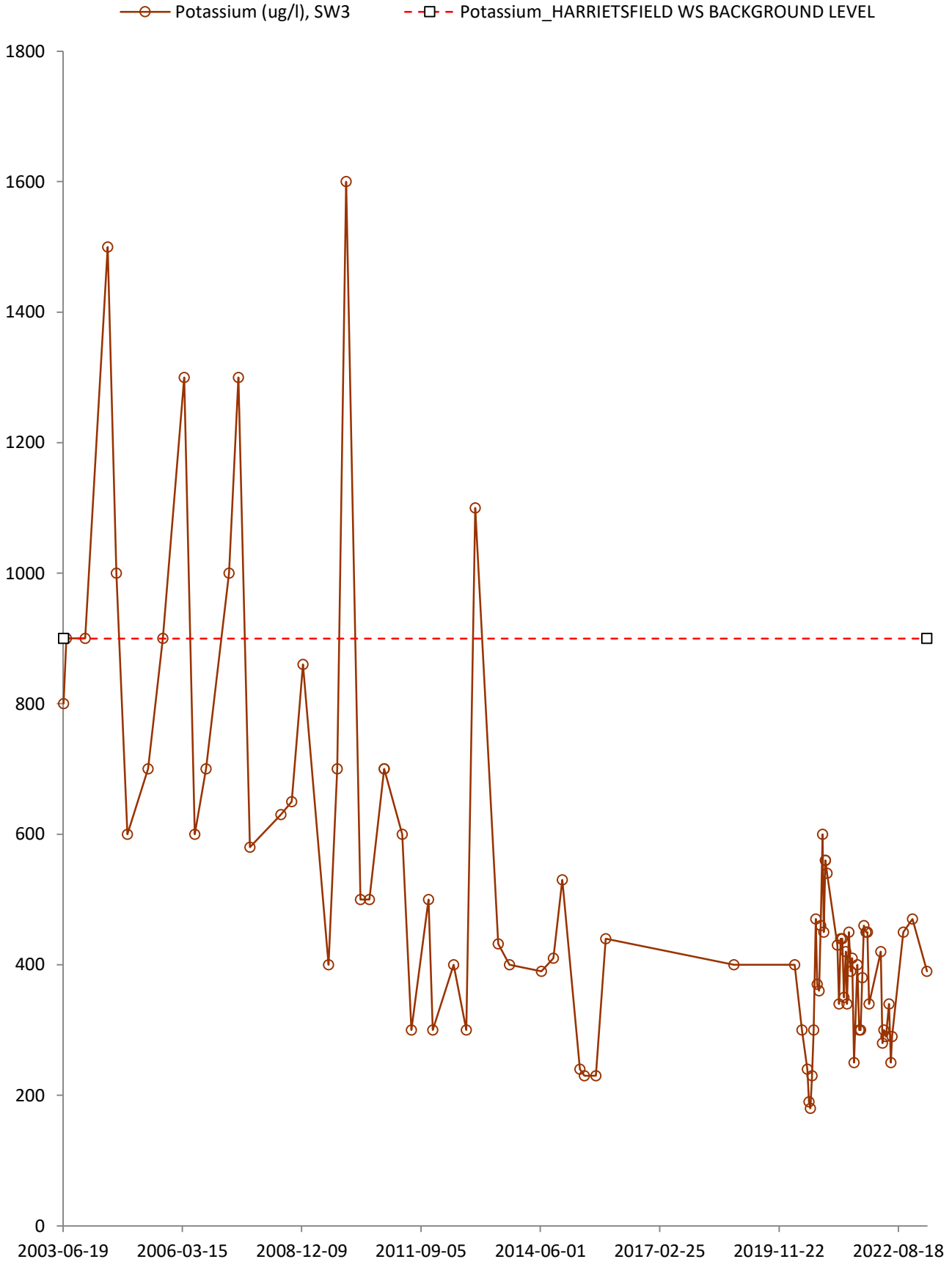
—○— PHC F1 (C6-C10) min BTEX (mg/l), SW3
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WS BACKGROUND LEVEL

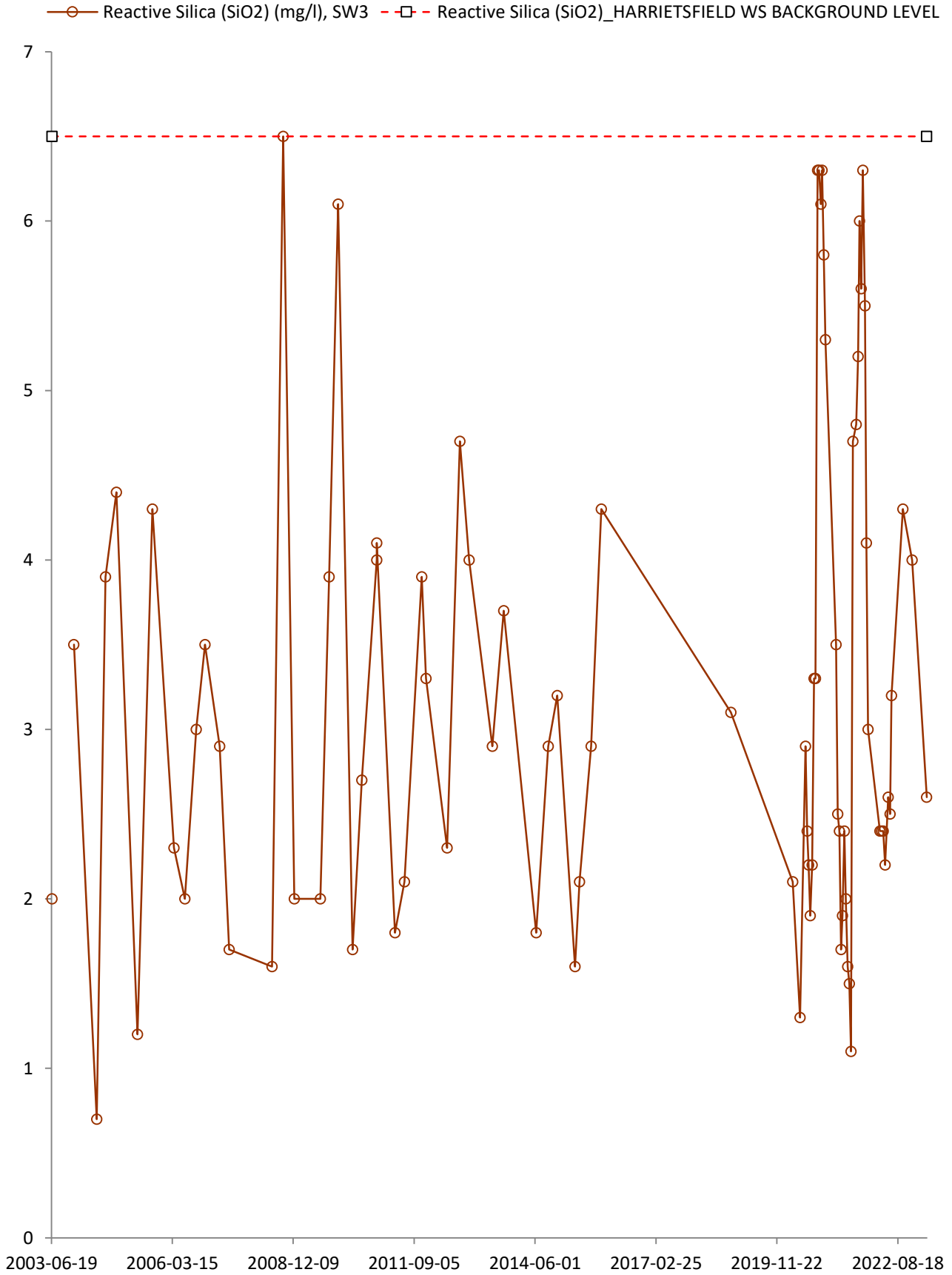




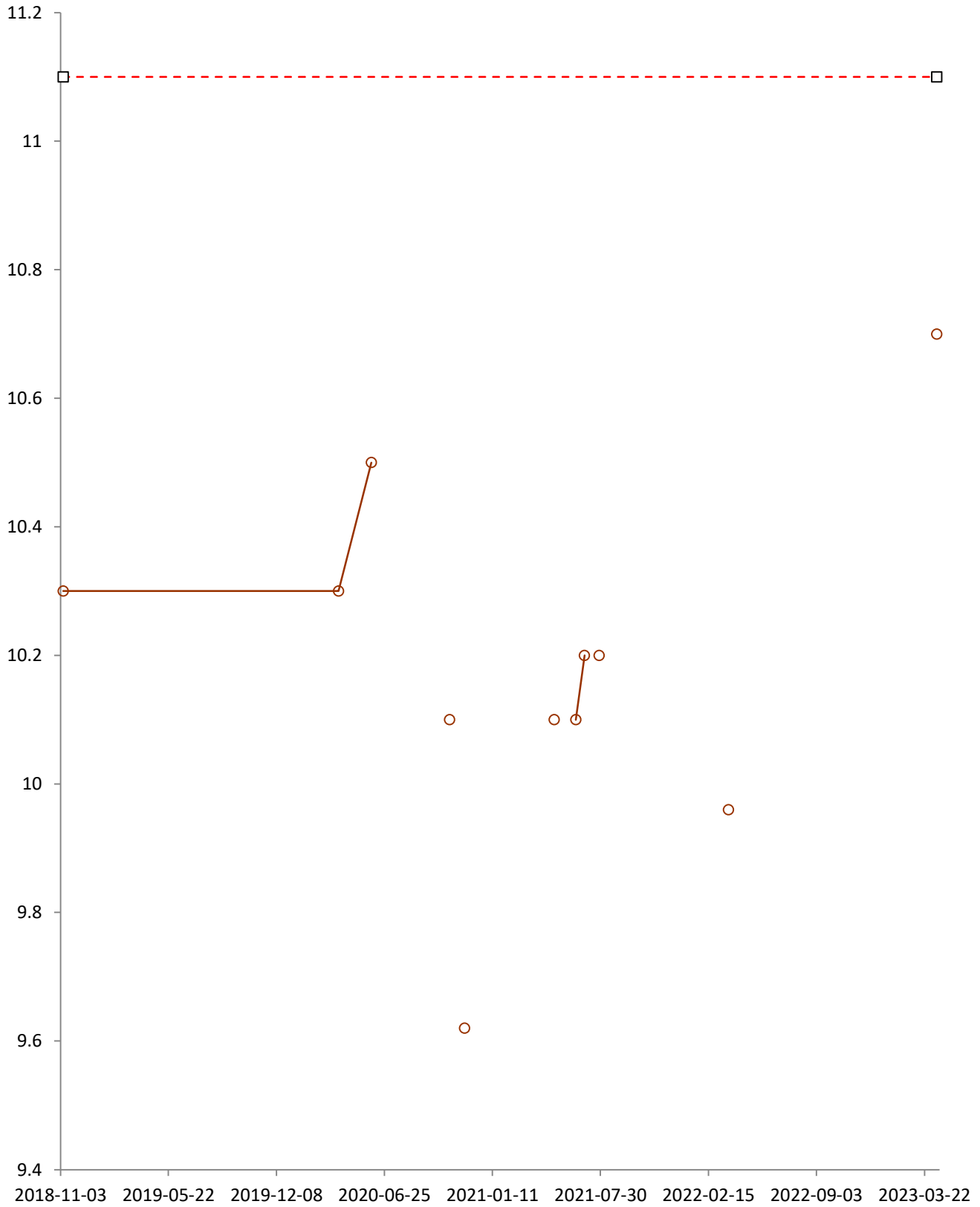


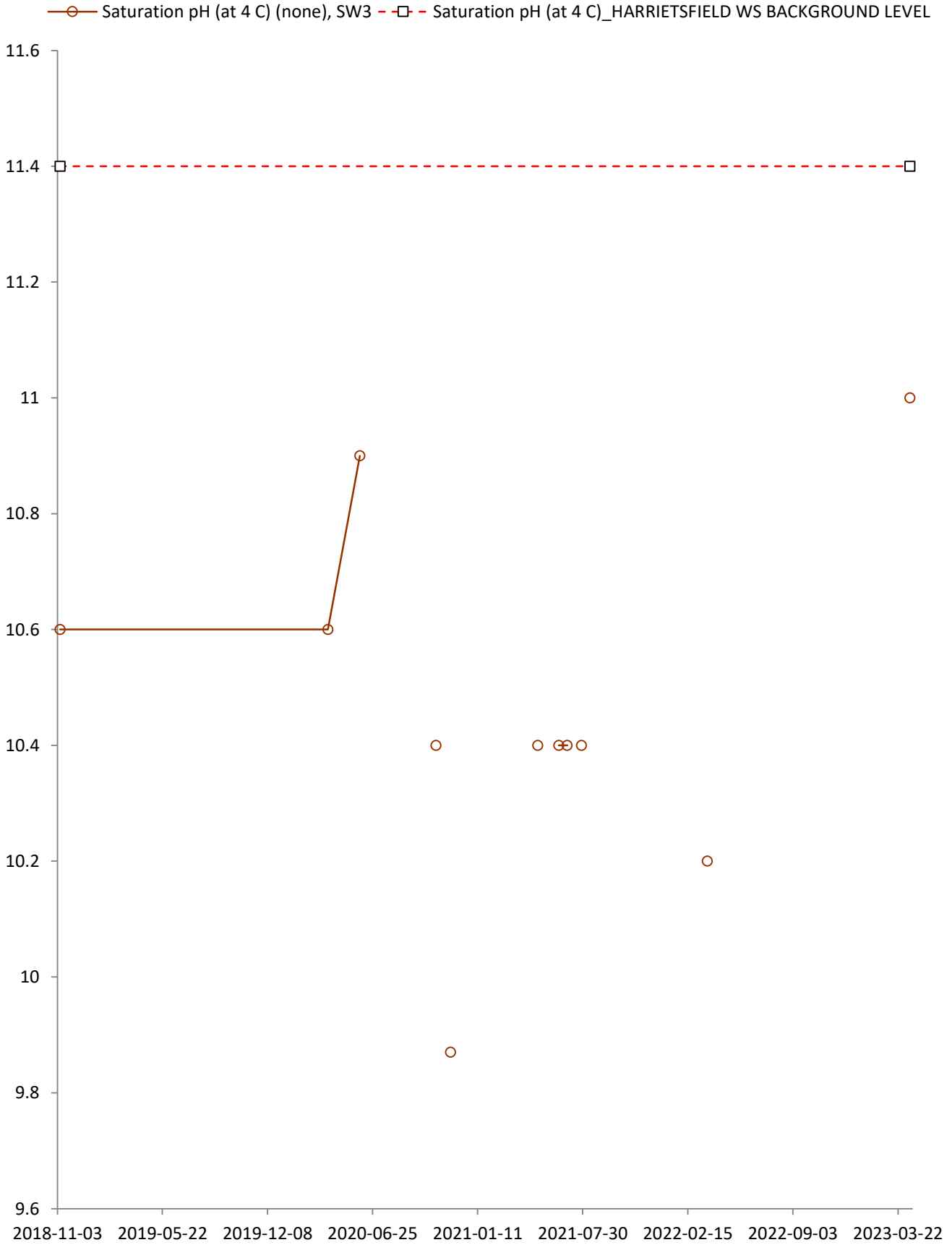


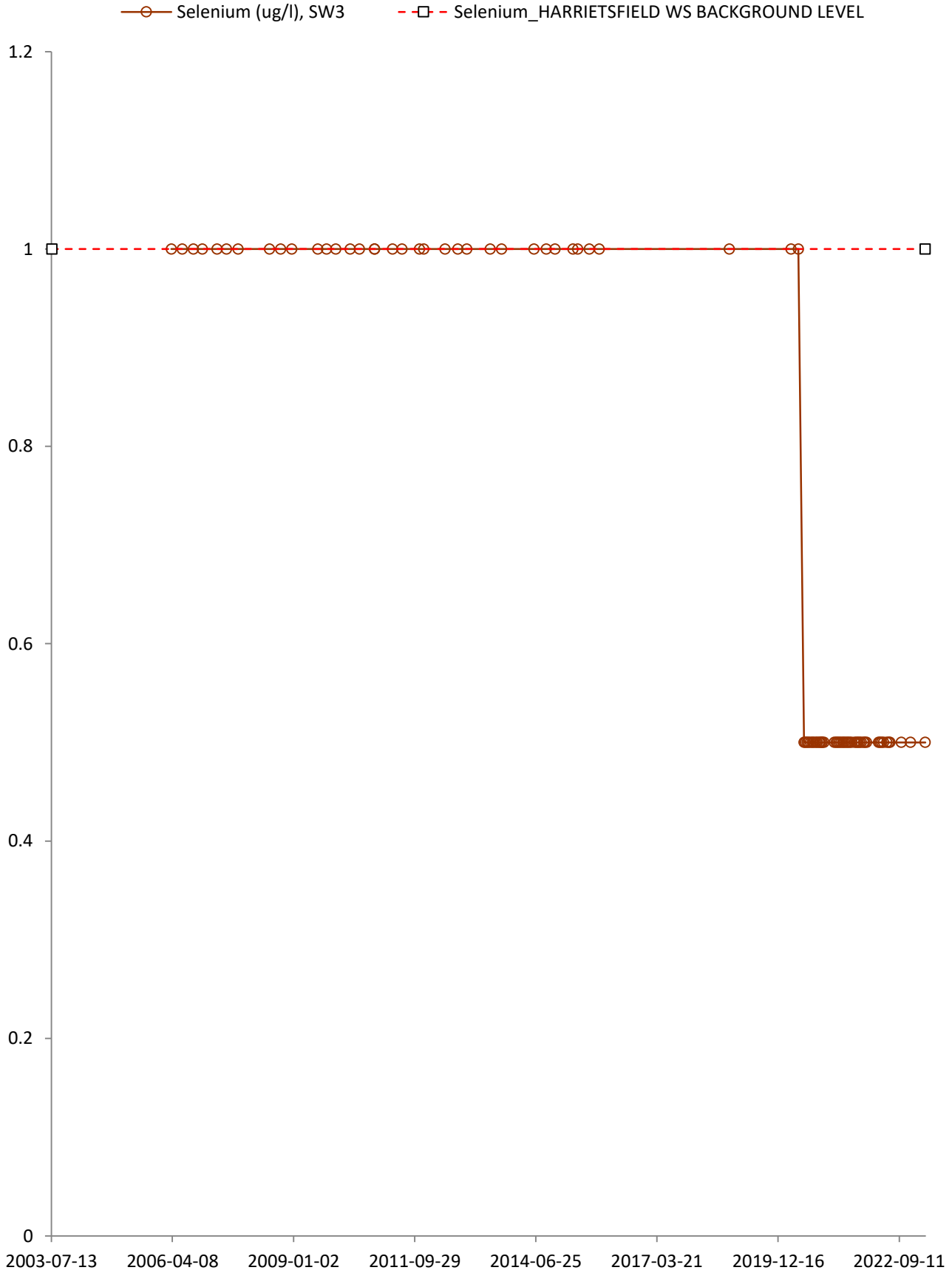


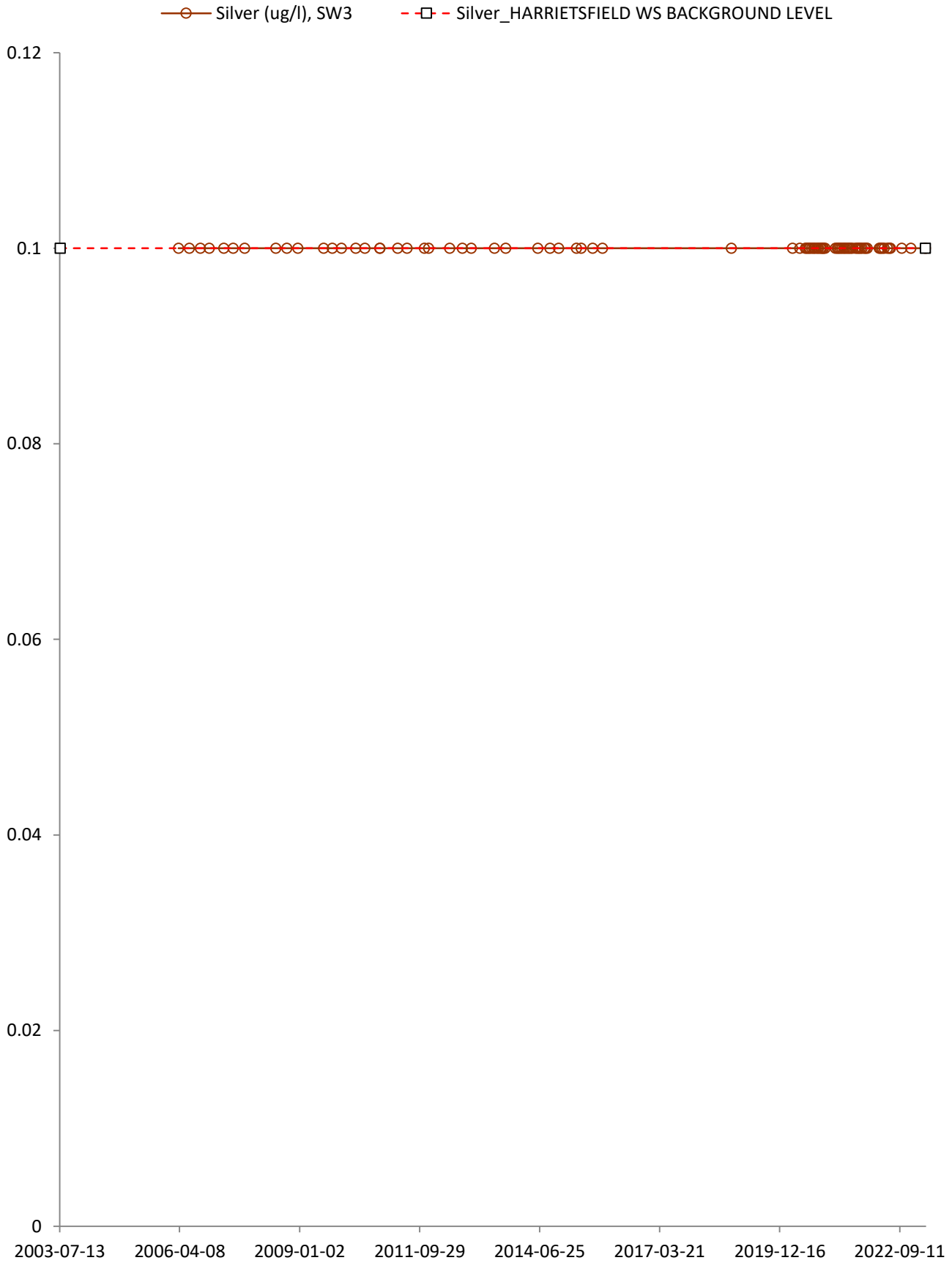


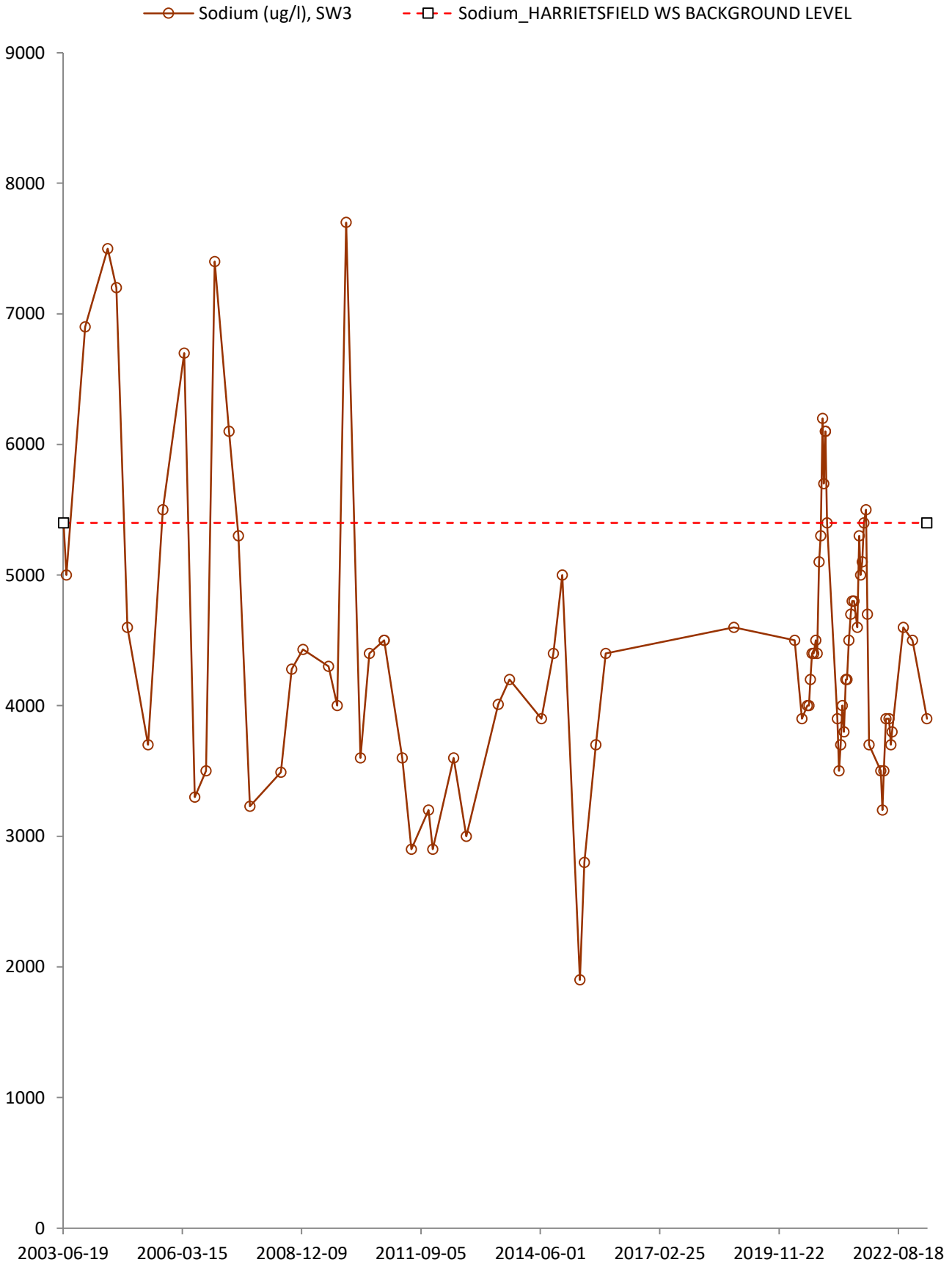
- Saturation pH (at 20 C) (none), SW3
- -□- - Saturation pH (at 20 C)_HARRIETSFIELD WS BACKGROUND LEVEL

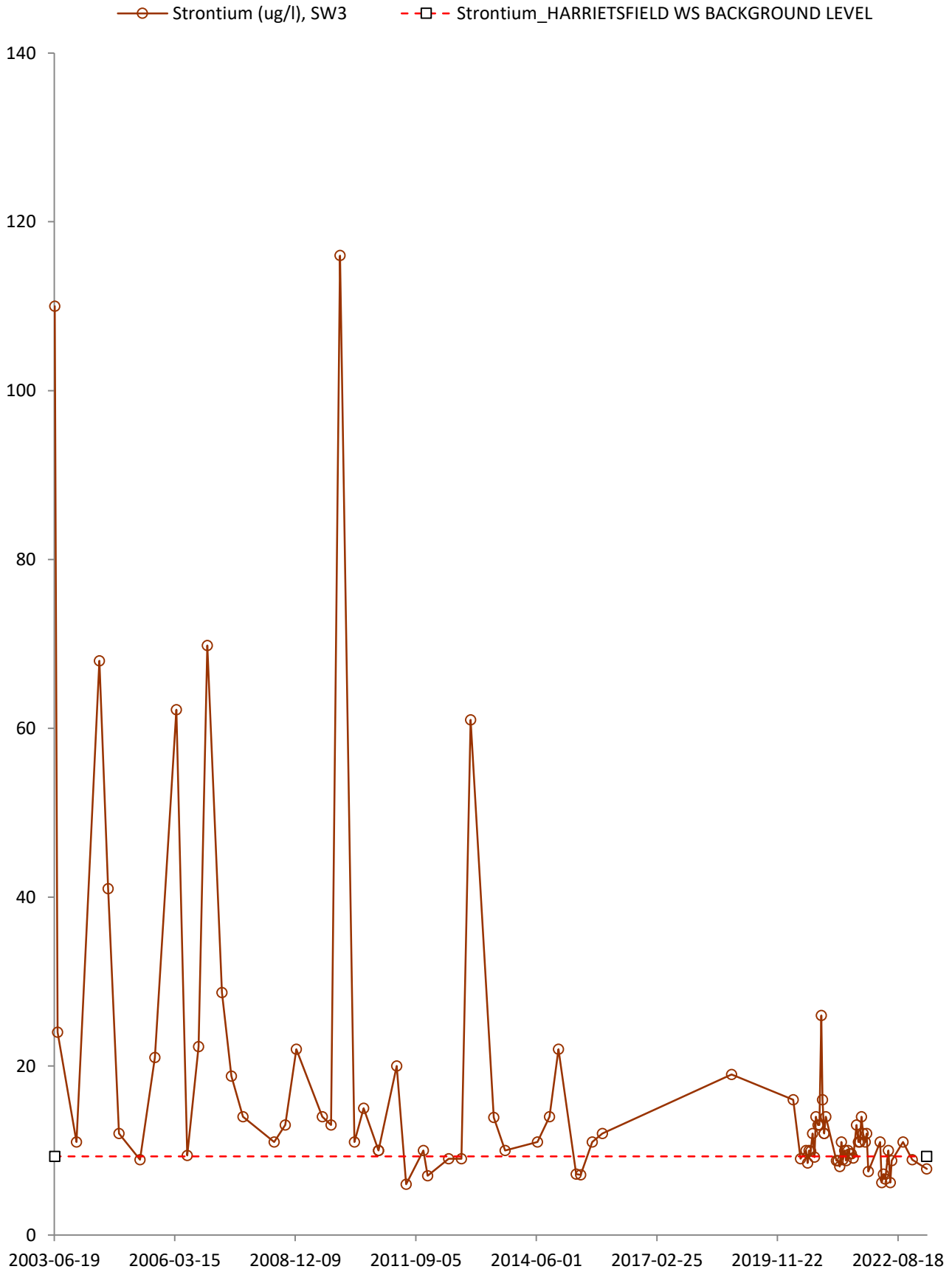


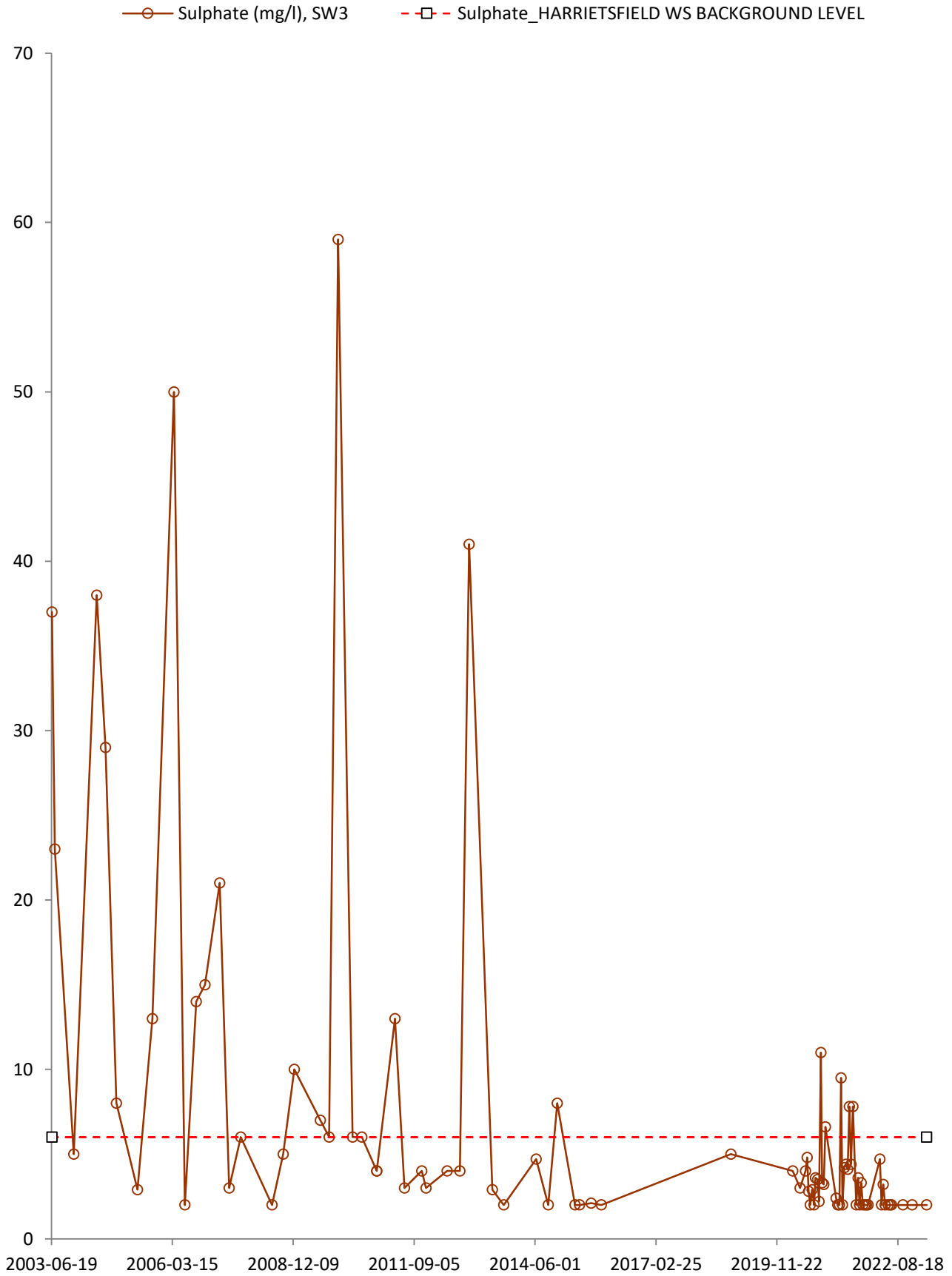


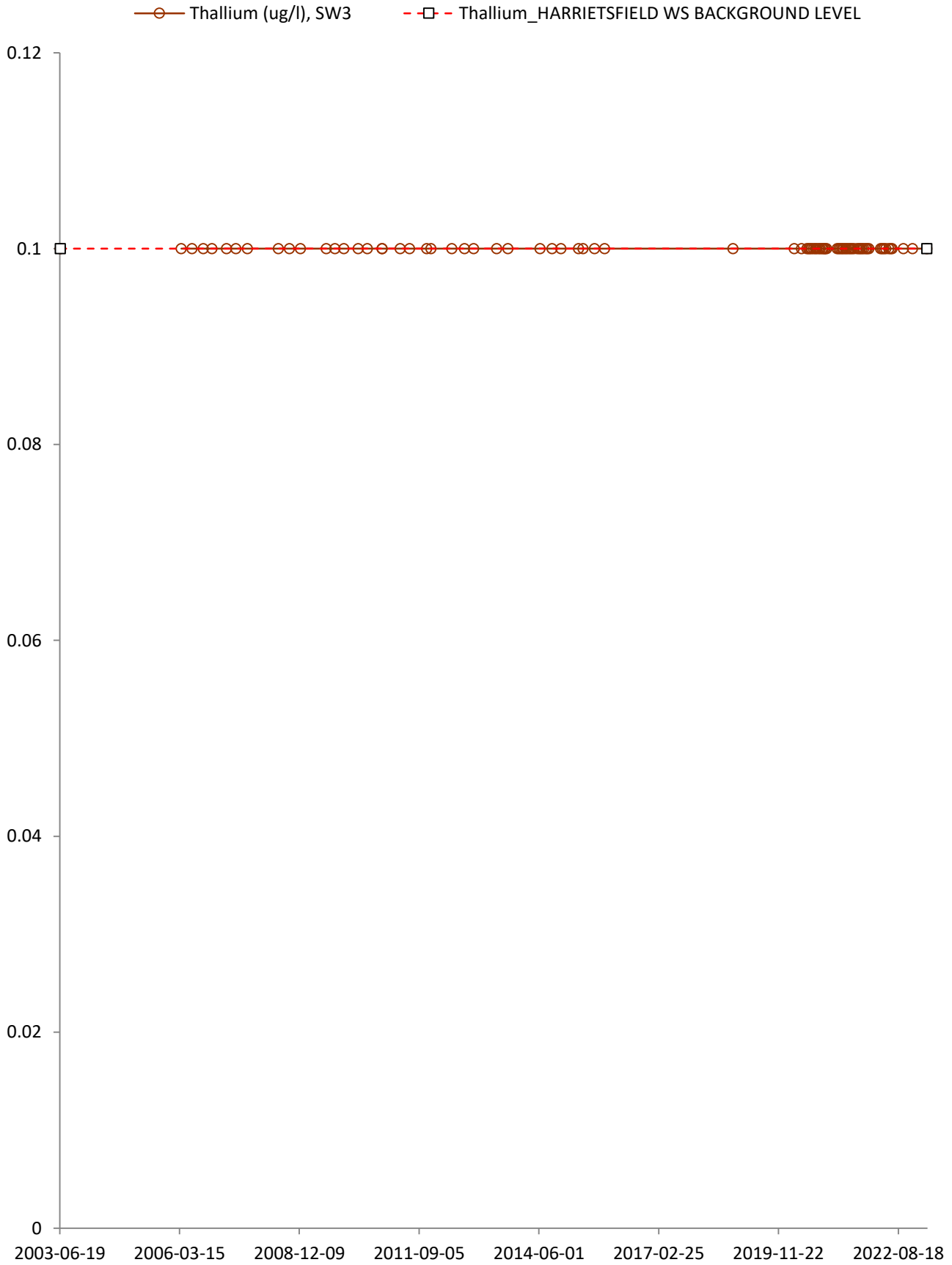




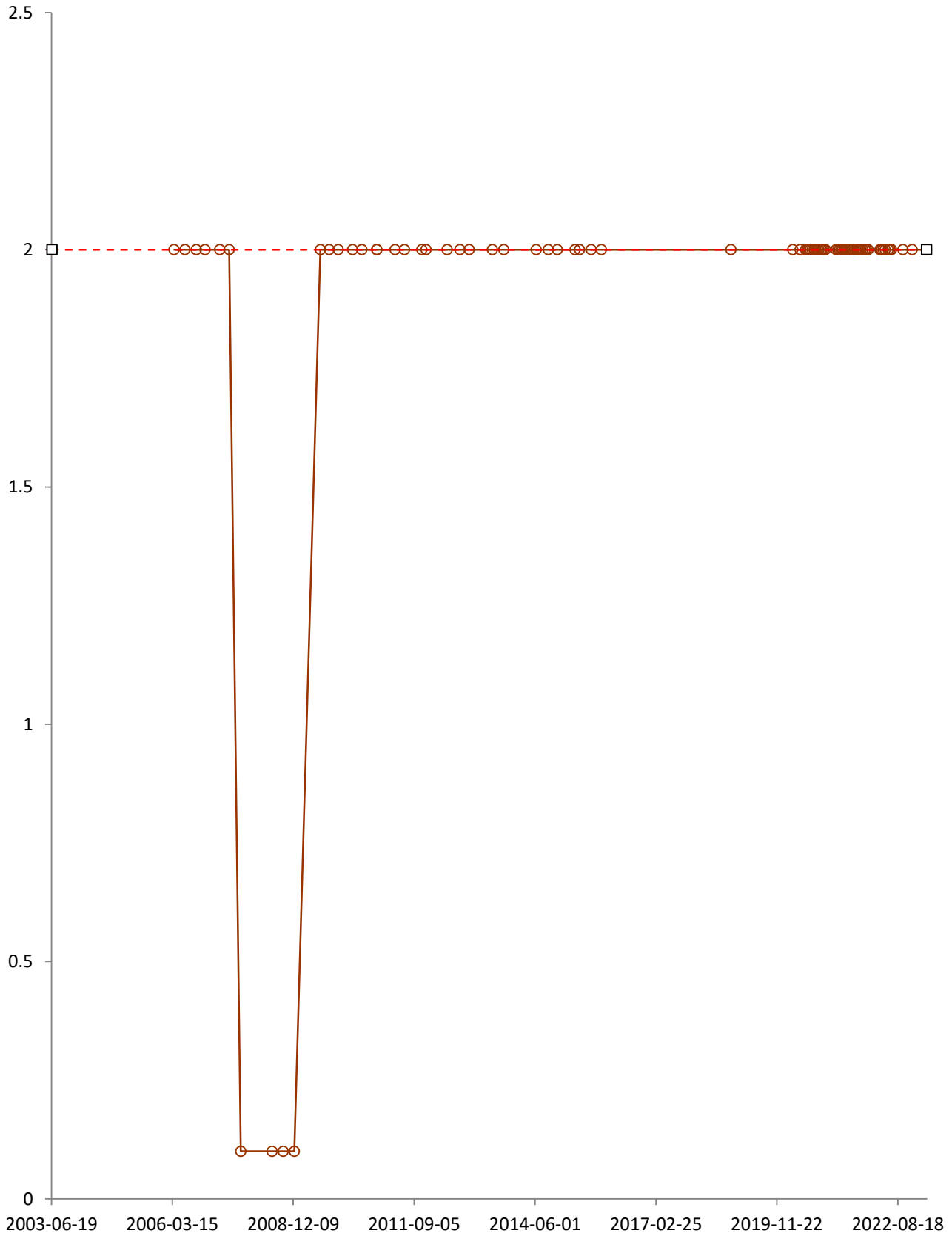




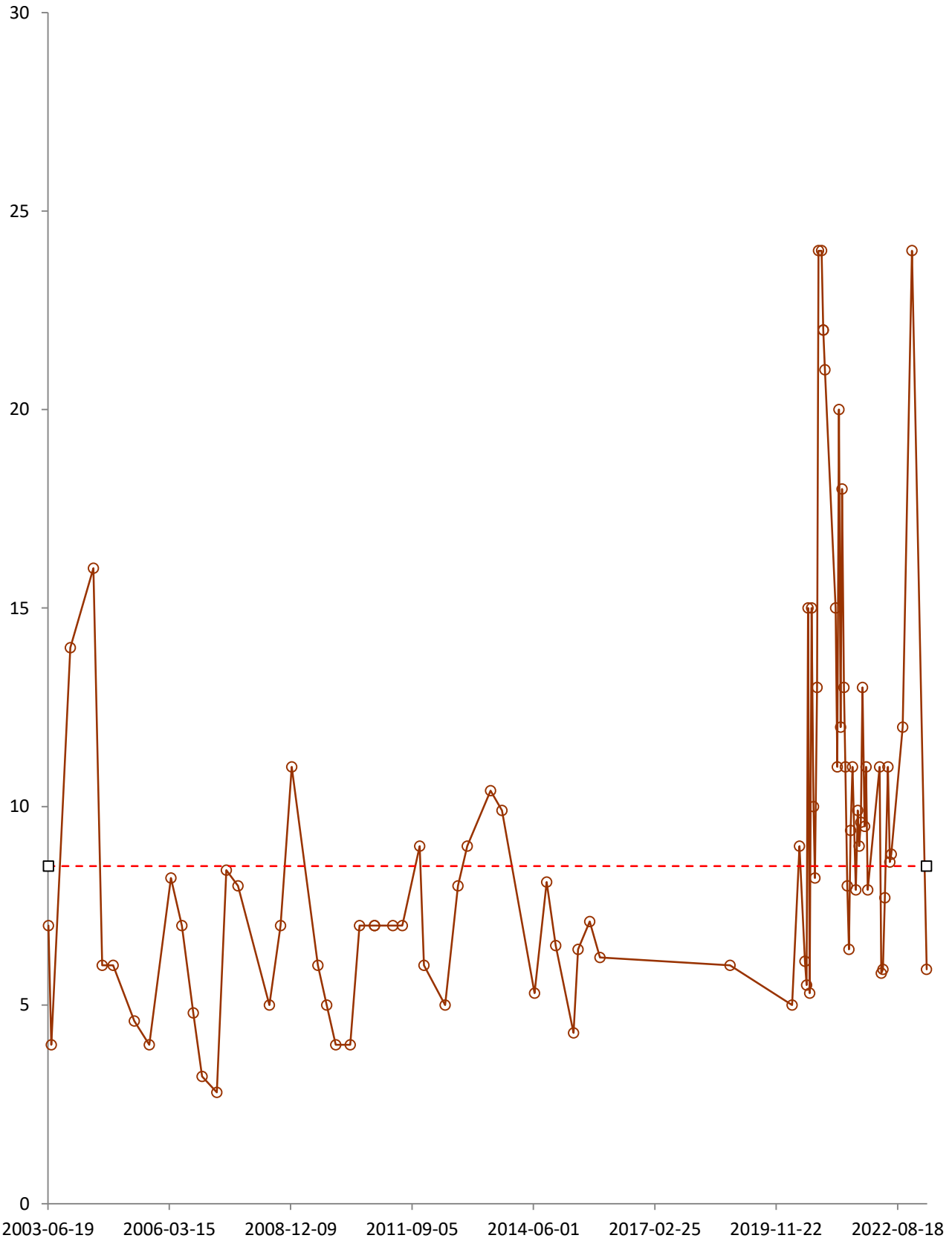


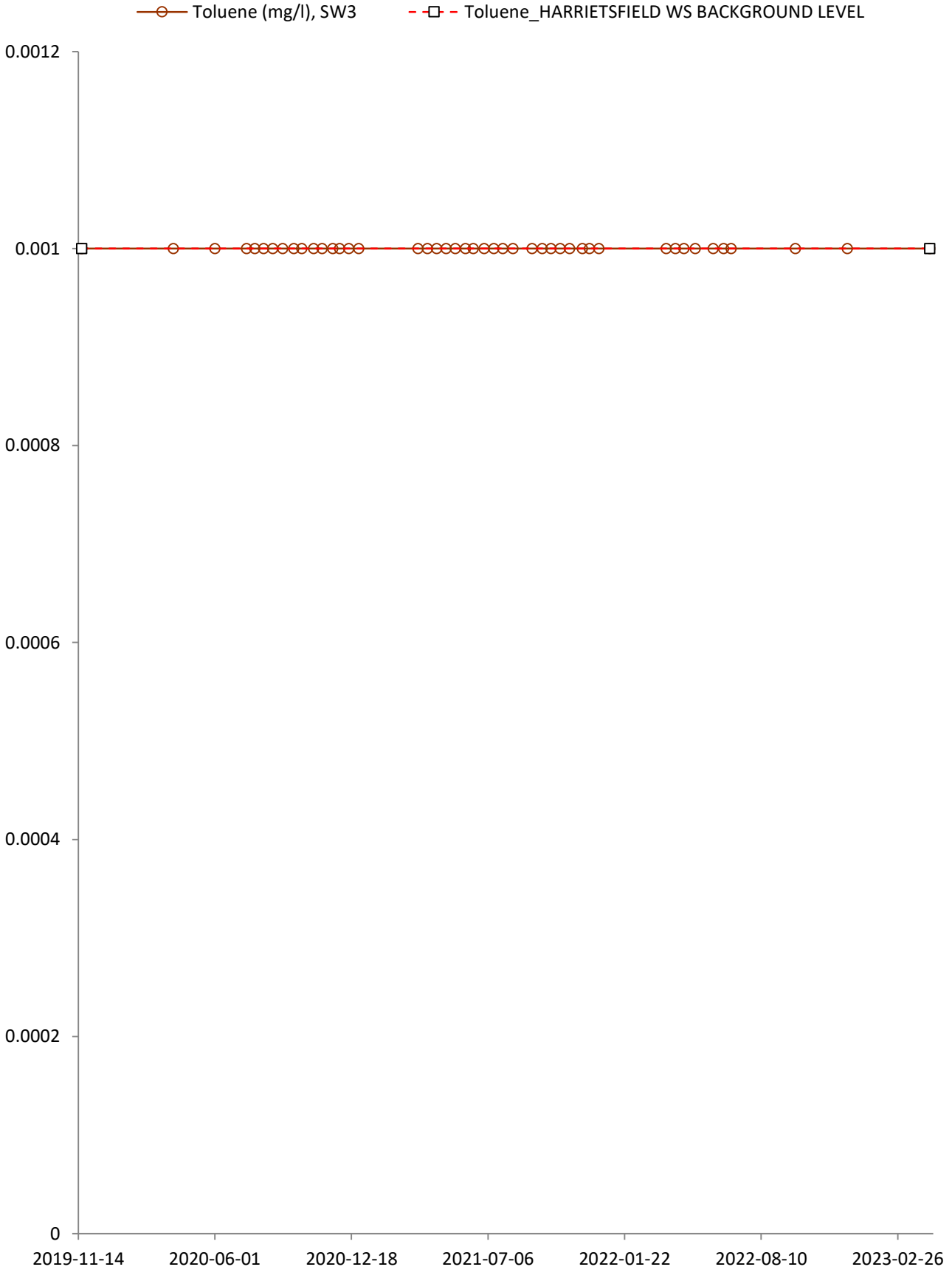


Tin (ug/l), SW3 Tin_HARRIETSFIELD WS BACKGROUND LEVEL

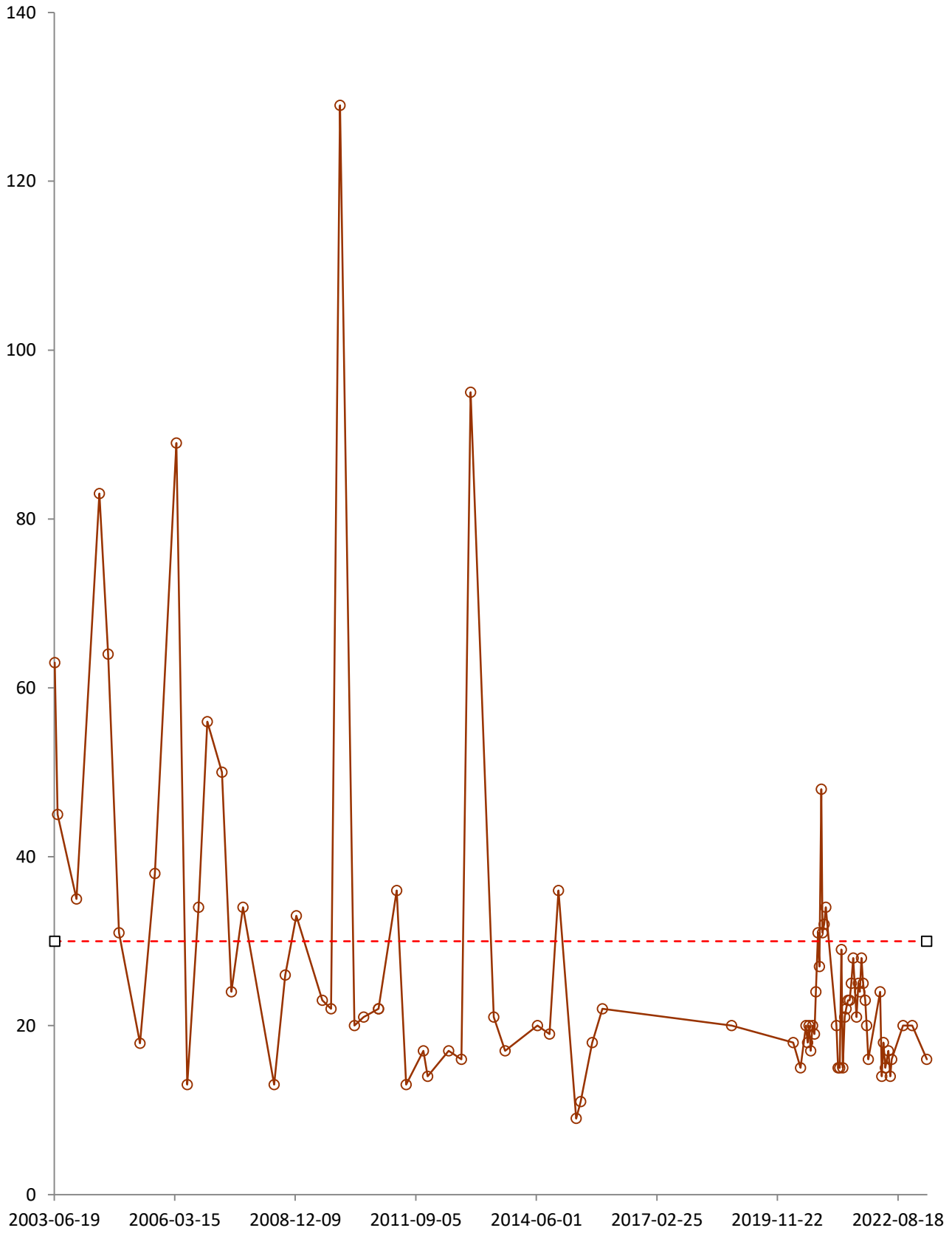


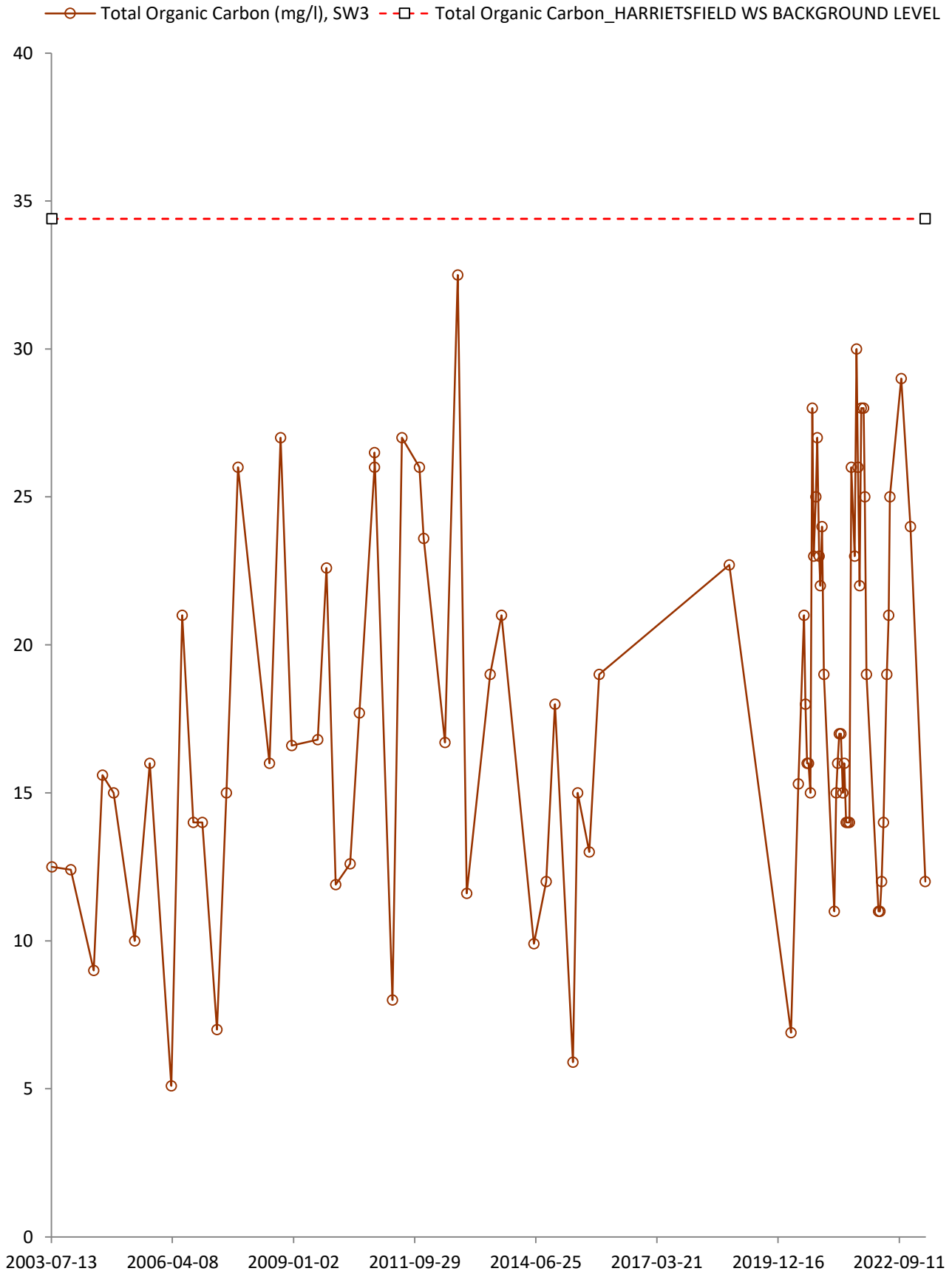
—○— Titanium (ug/l), SW3 - -□- - Titanium_HARRIETSFIELD WS BACKGROUND LEVEL



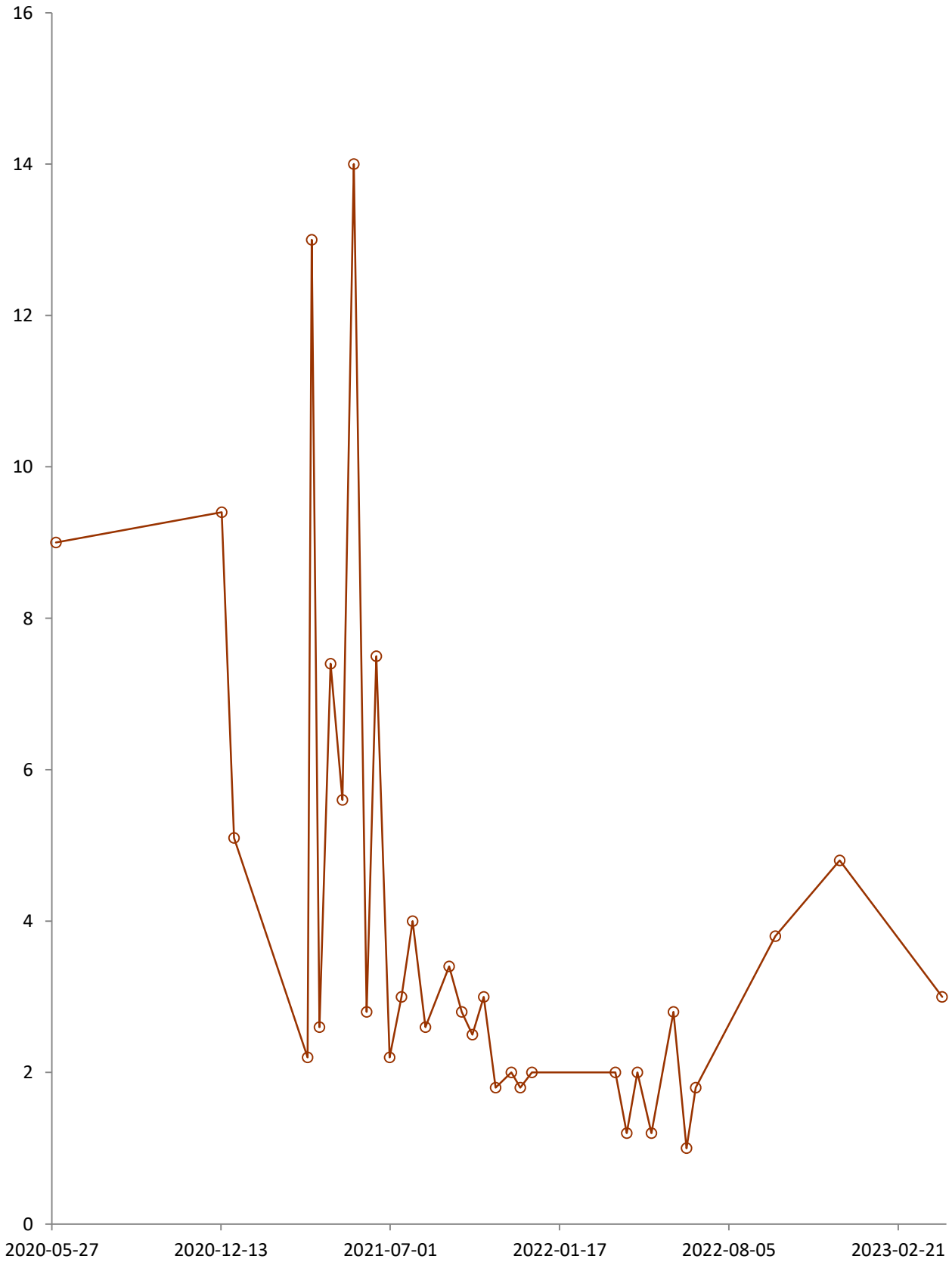


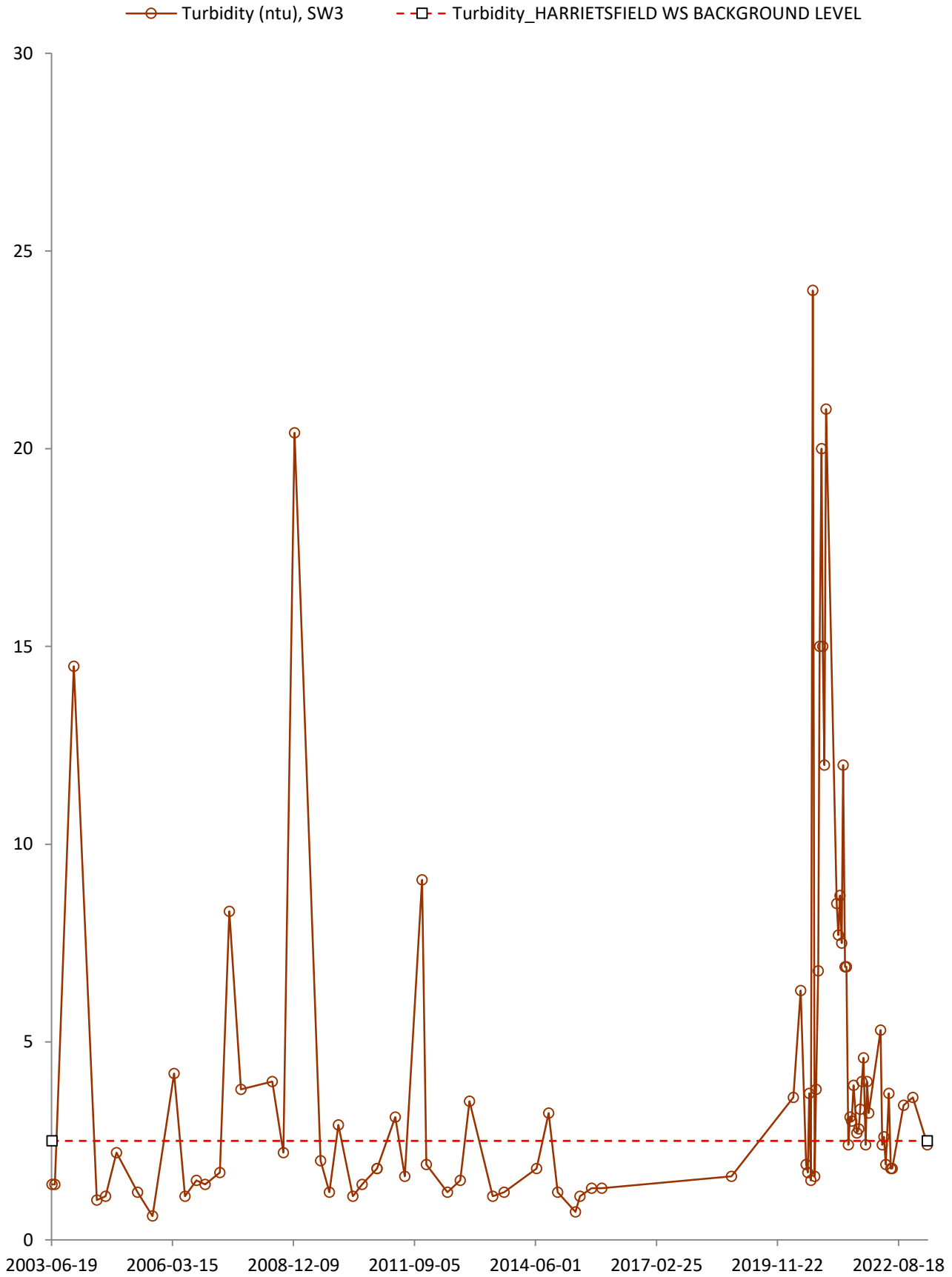
—○— Total Diss Solids (Lab) (mg/l), SW3 - -□- - Total Diss Solids (Lab)_HARRIETSFIELD WS BACKGROUND LEVEL



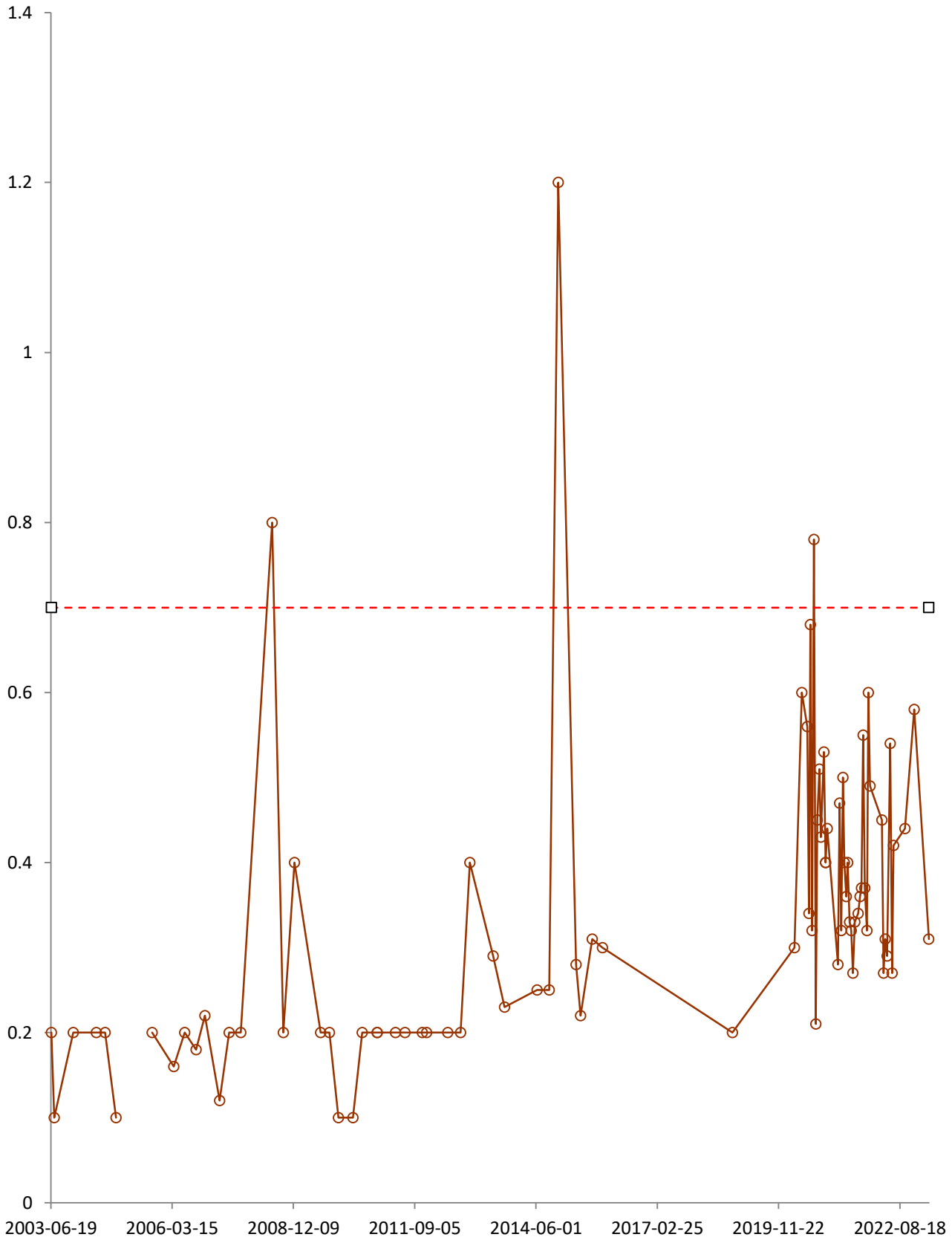


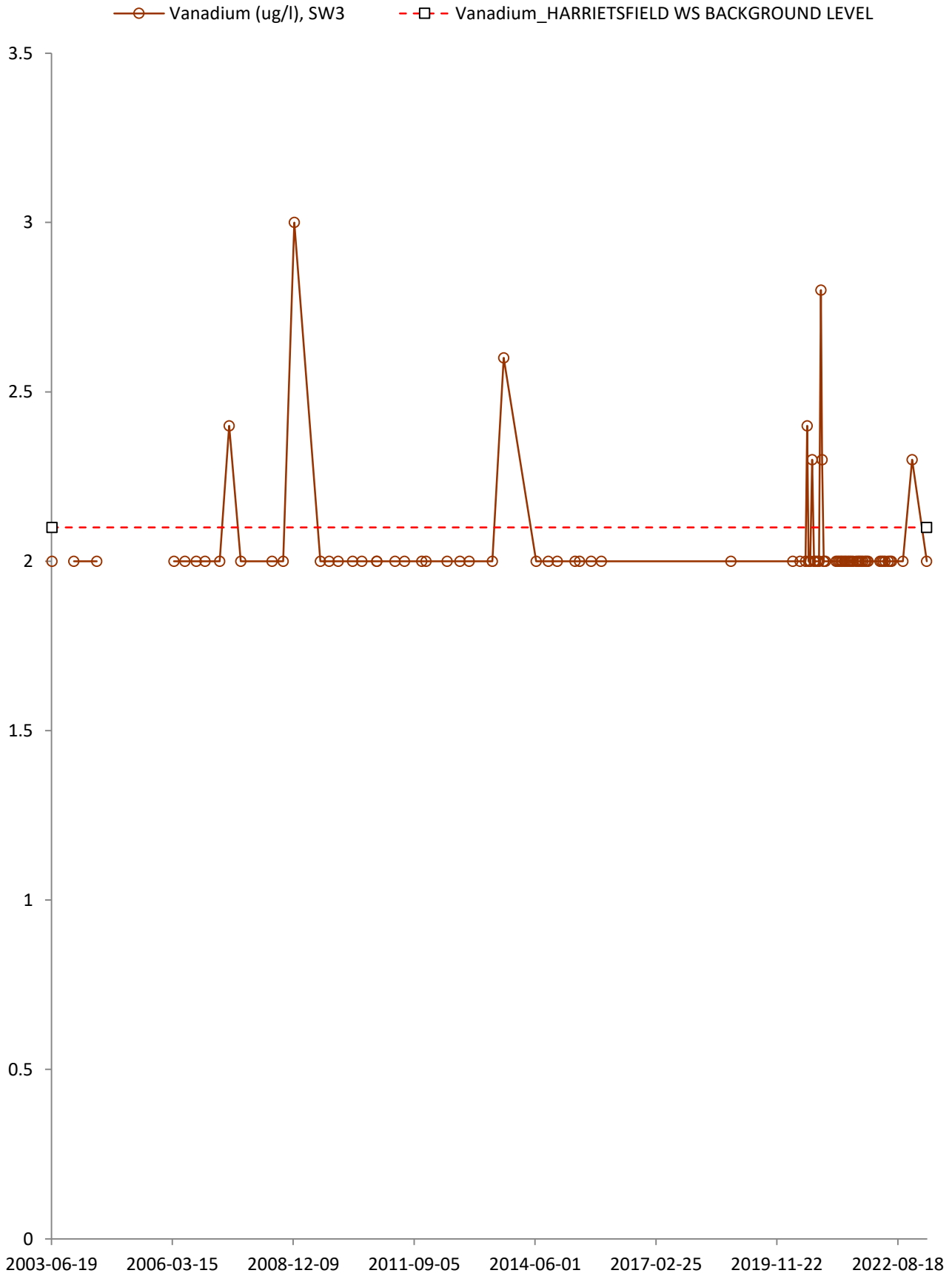
—○— Total Suspended Solids (mg/l), SW3

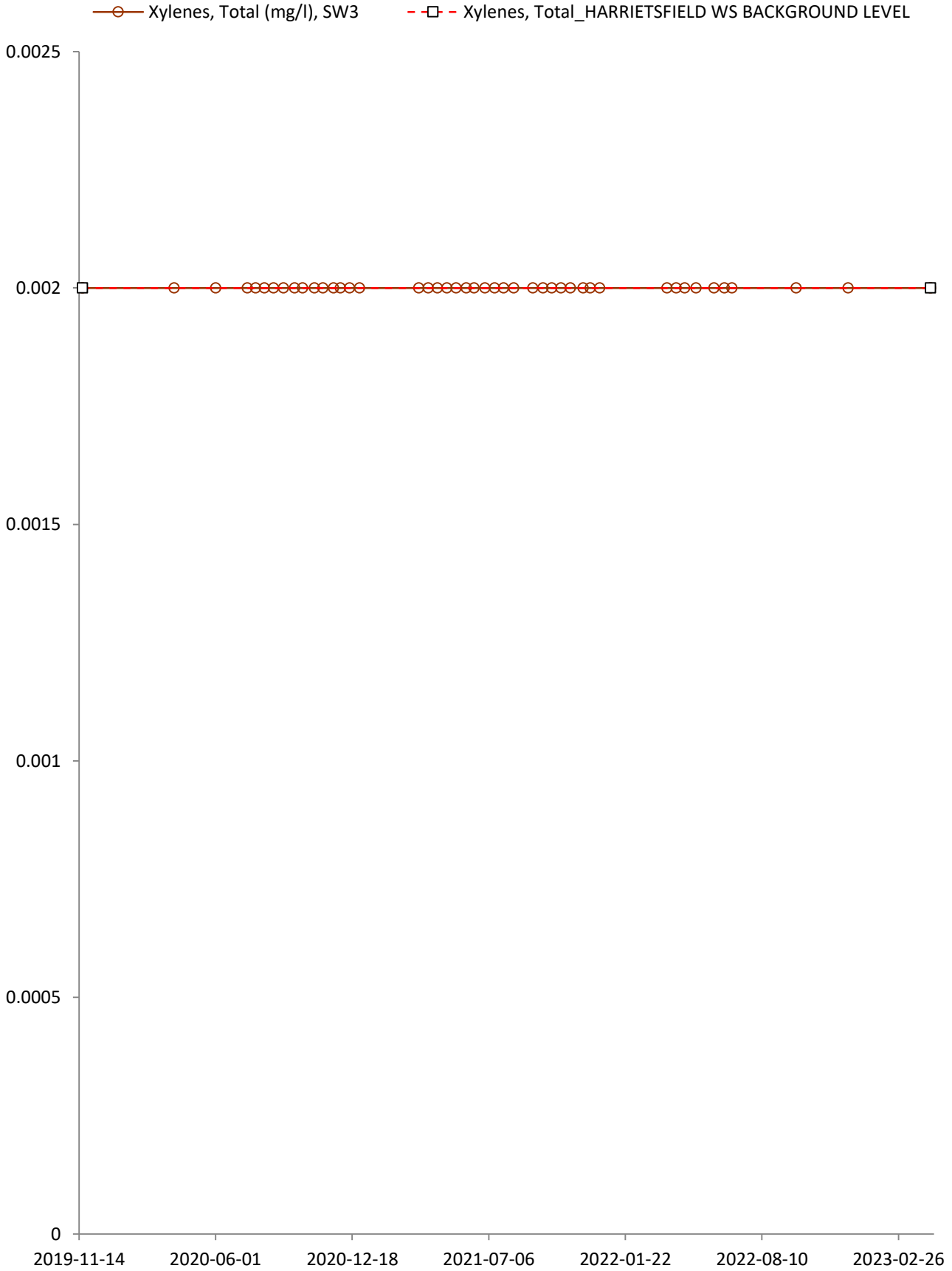




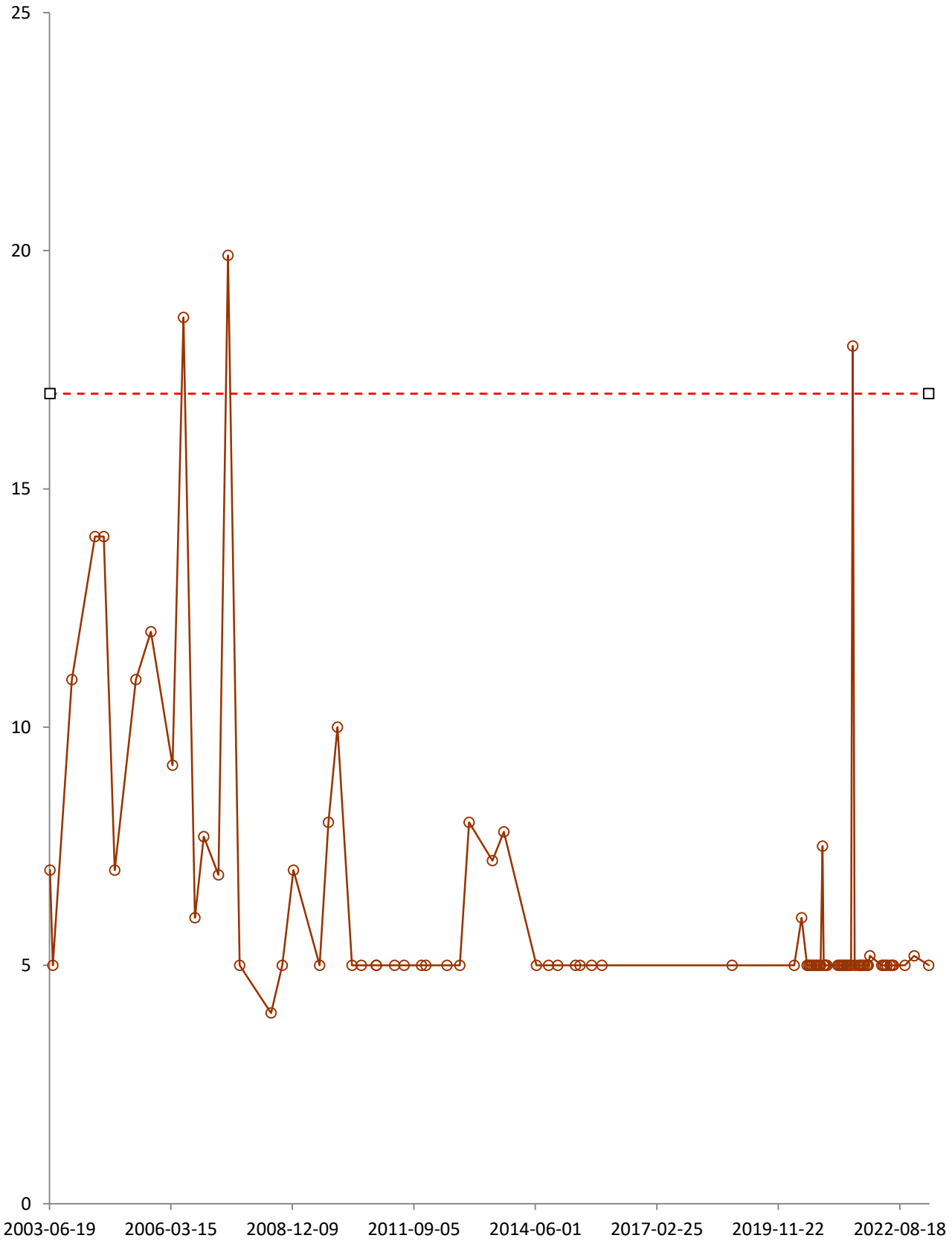
—○— Uranium (ug/l), SW3 - -□- - Uranium_HARRIETSFIELD WS BACKGROUND LEVEL



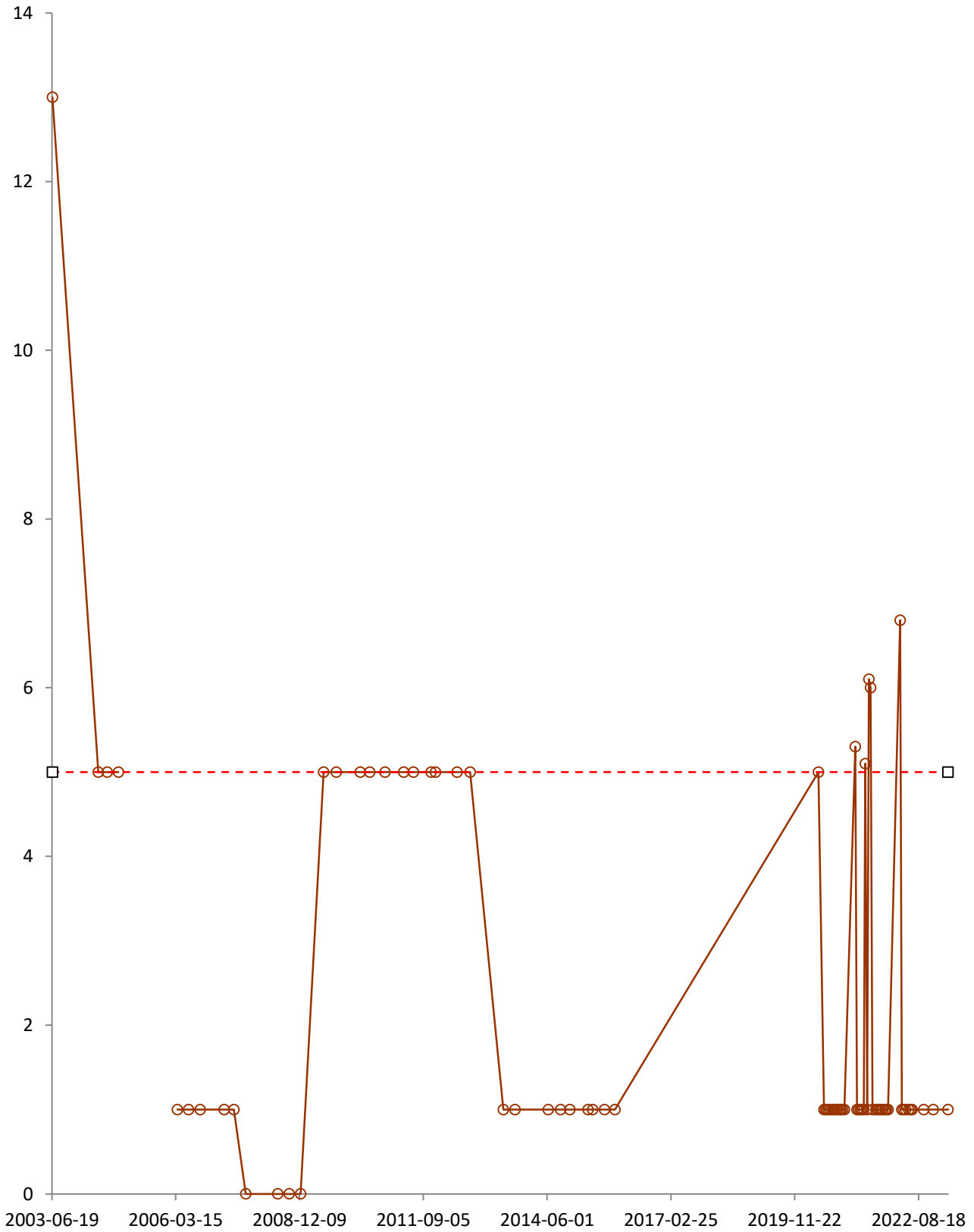


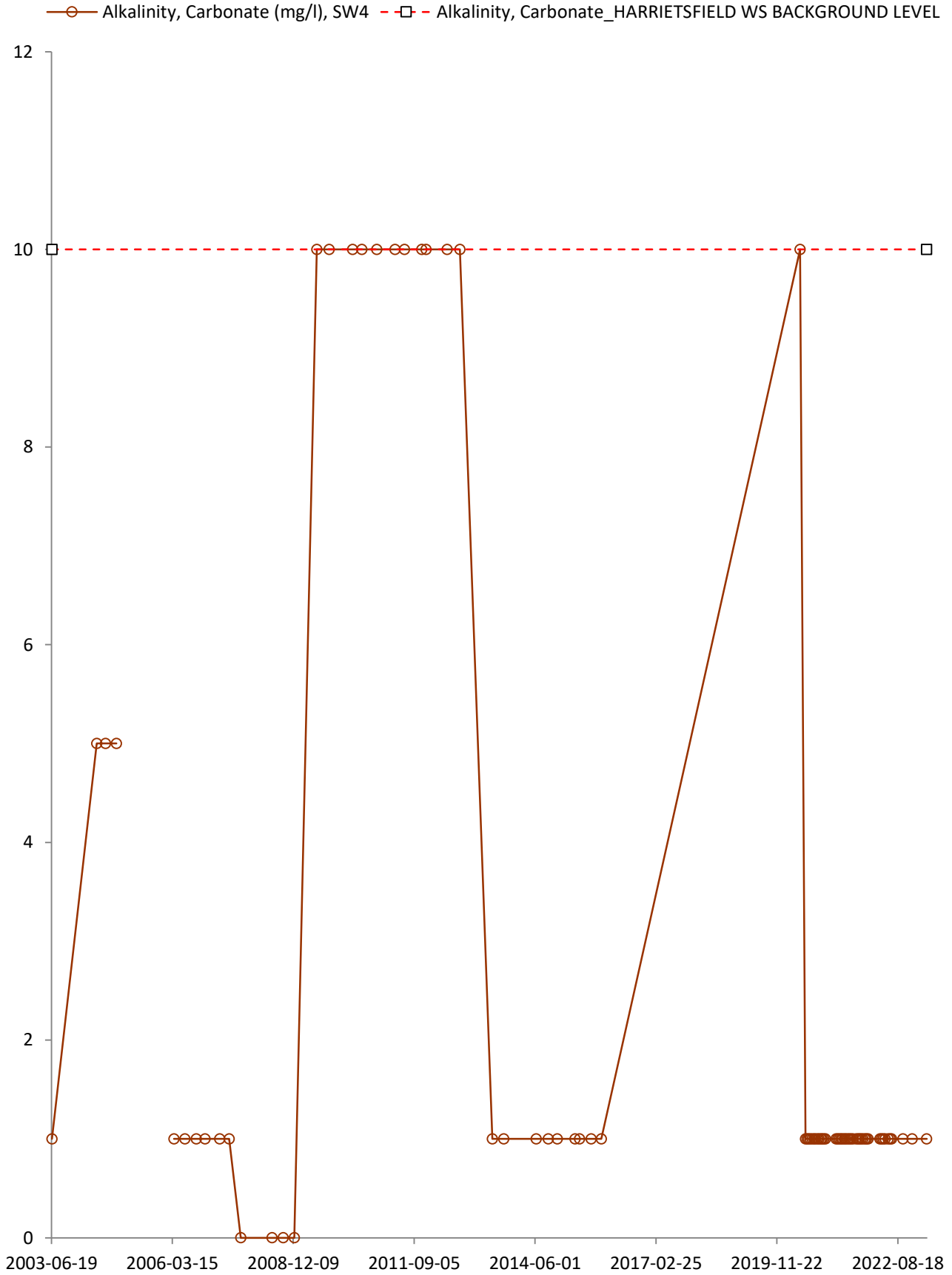


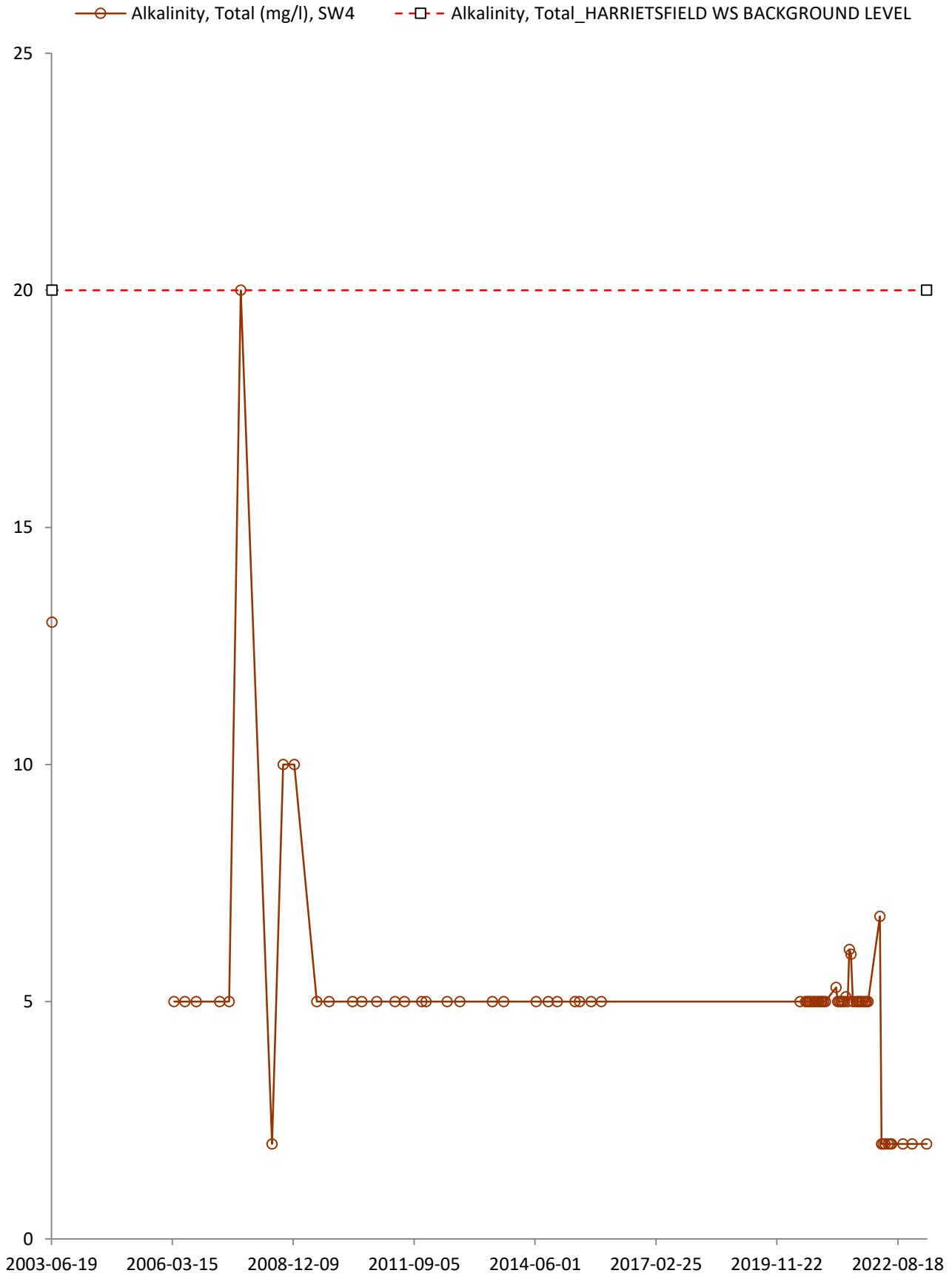
—○— Zinc (ug/l), SW3 - -□- - Zinc_HARRIETSFIELD WS BACKGROUND LEVEL

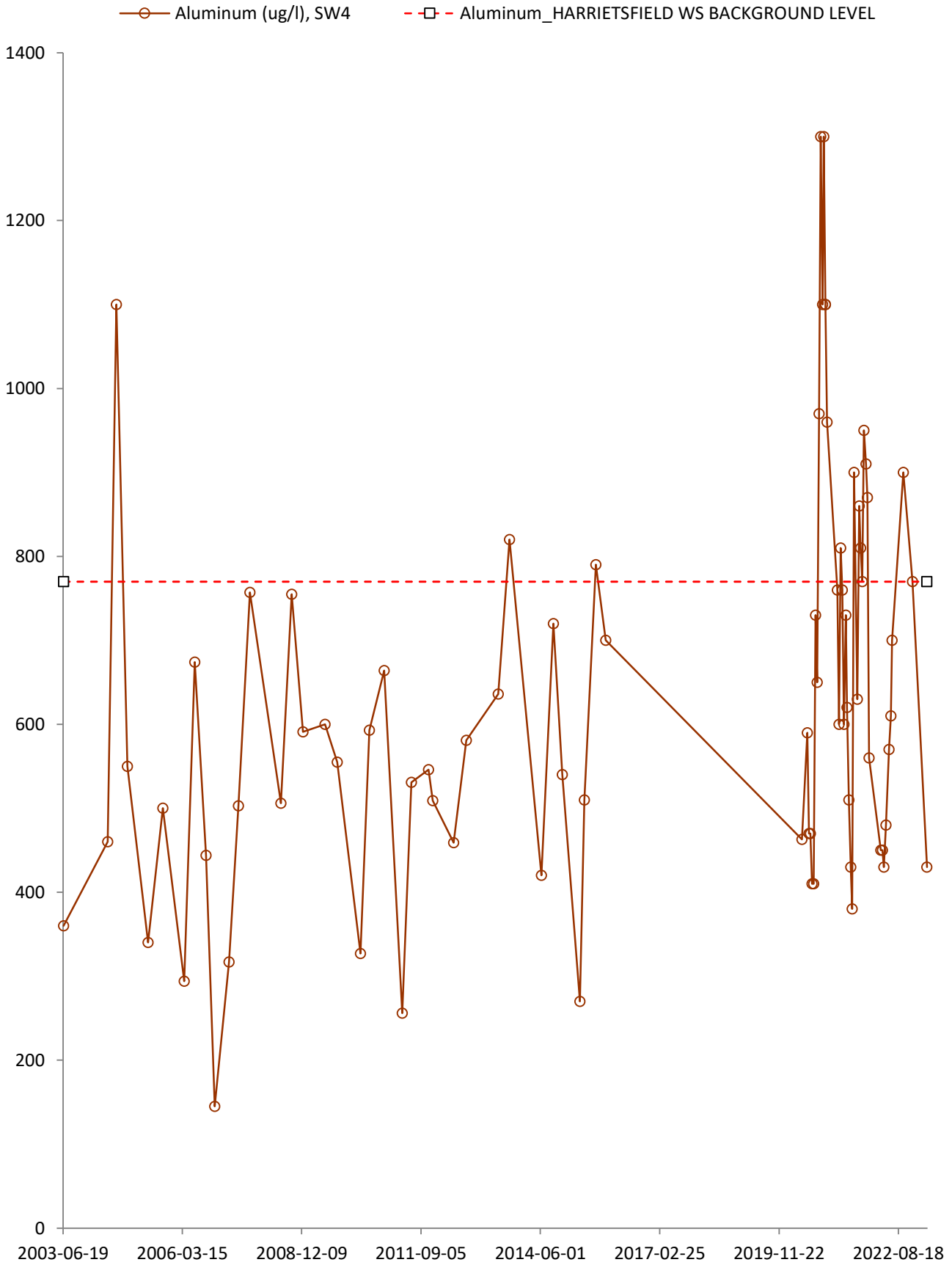


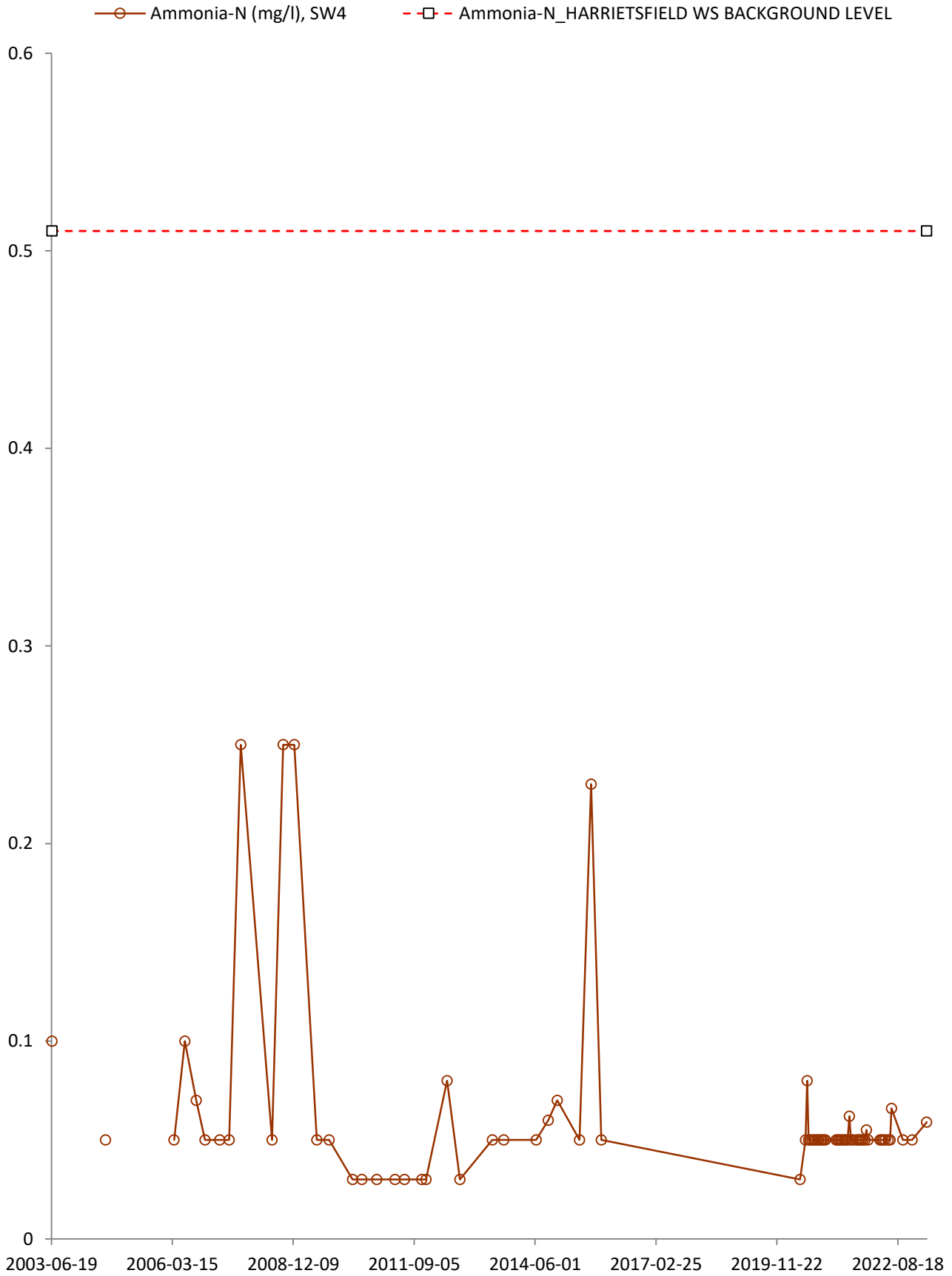
- Alkalinity, Bicarbonate (mg/l), SW4
- Alkalinity, Bicarbonate_HARRIETSFIELD WS BACKGROUND LEVEL



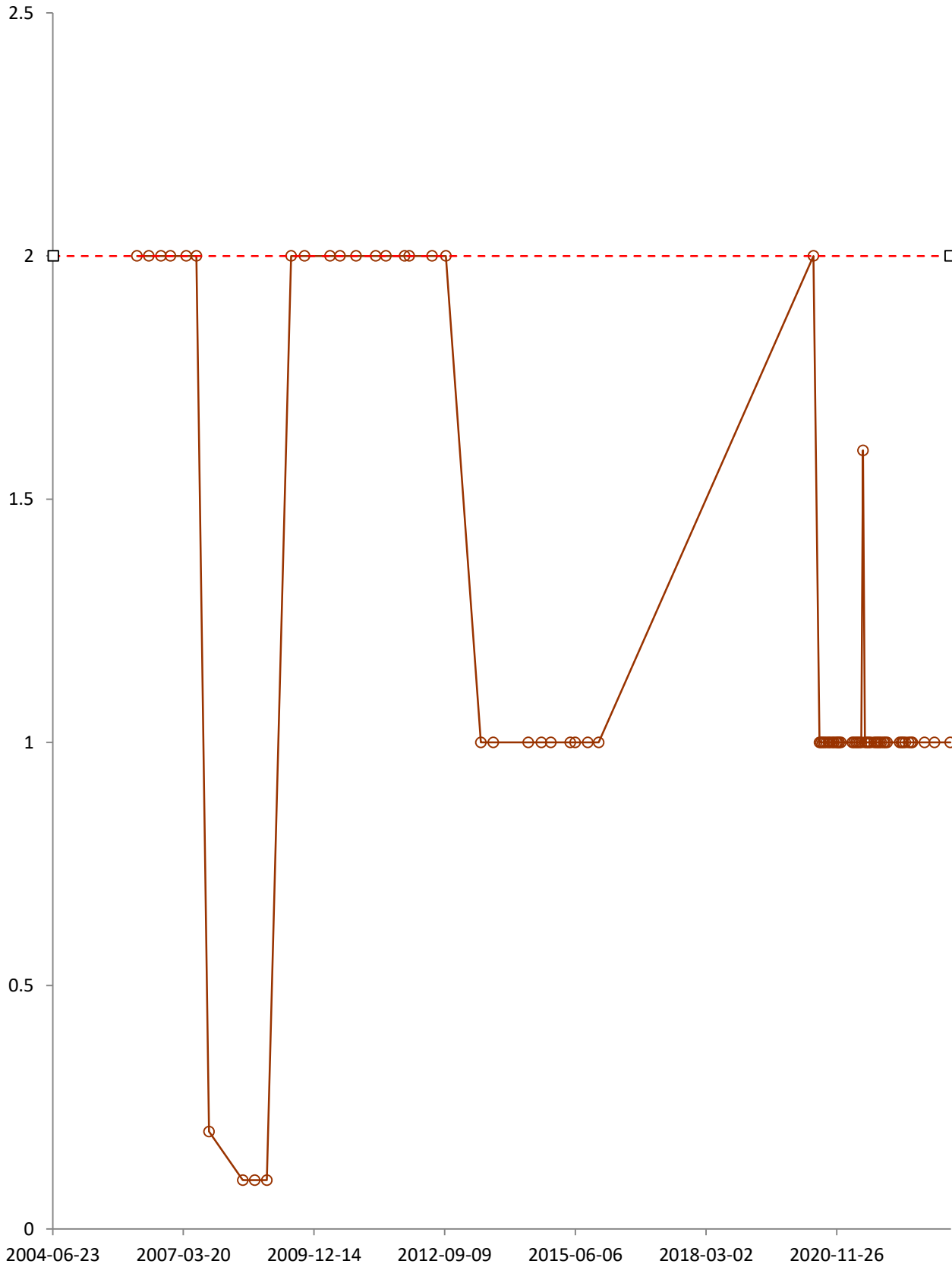


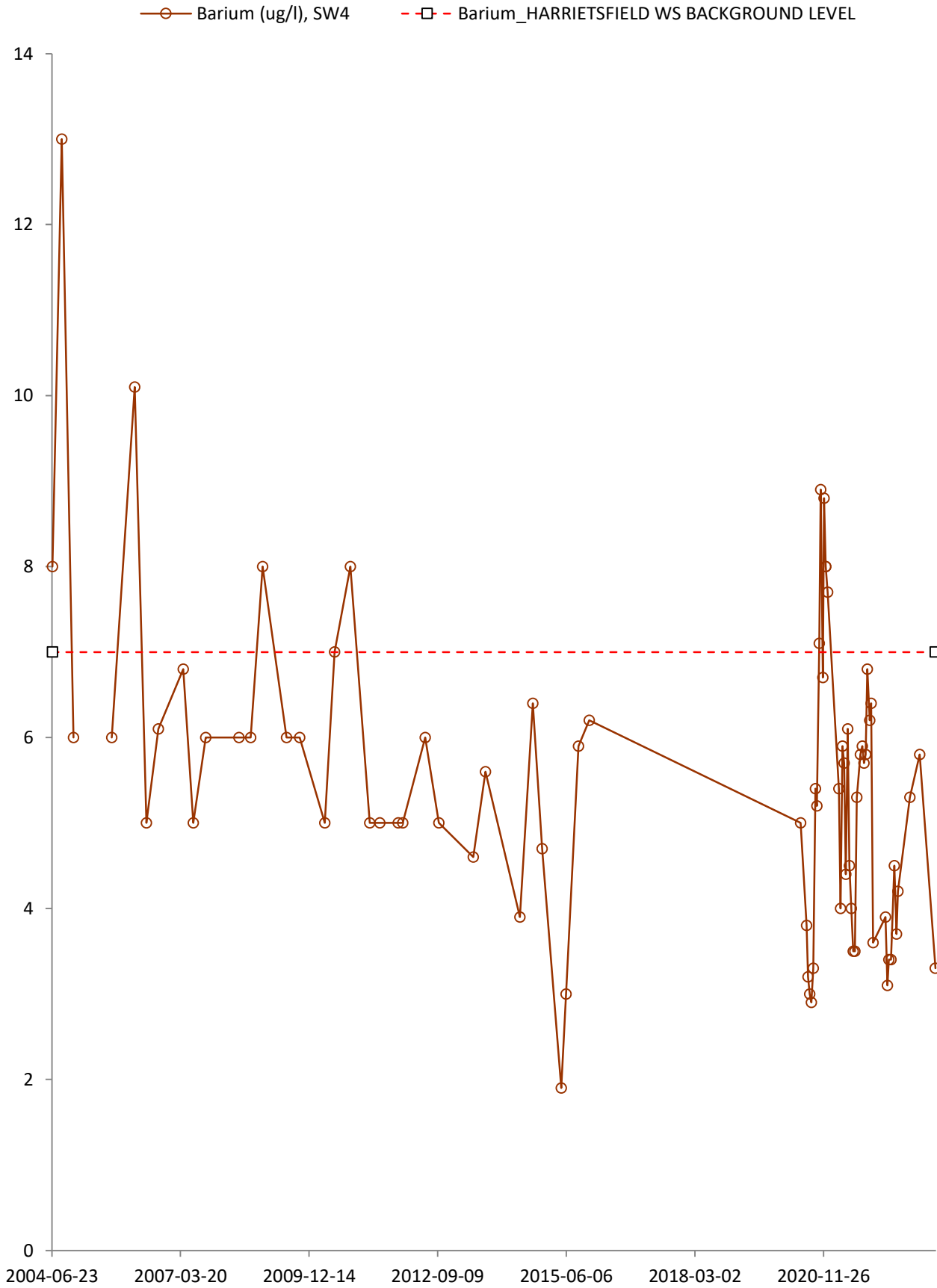


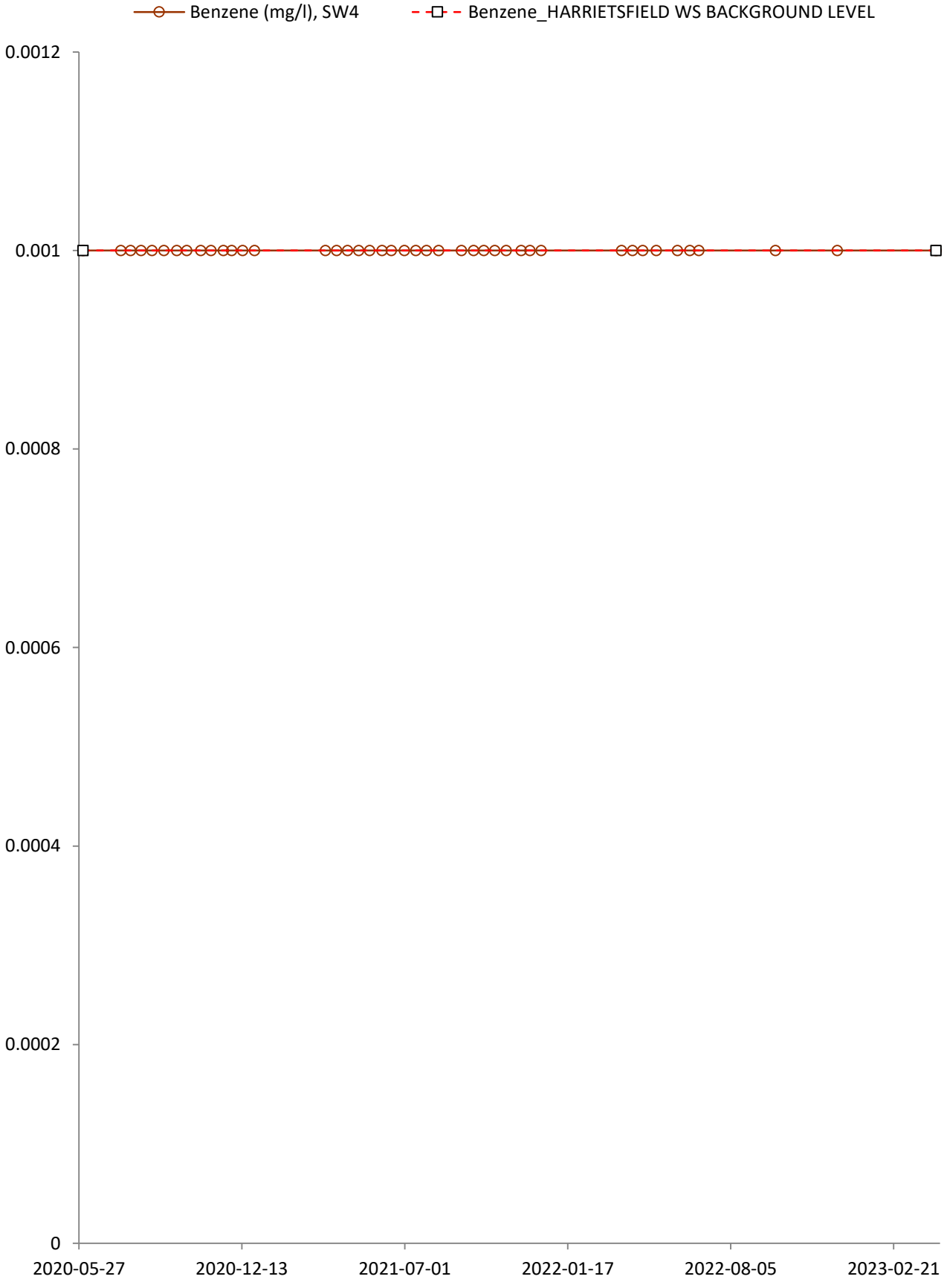




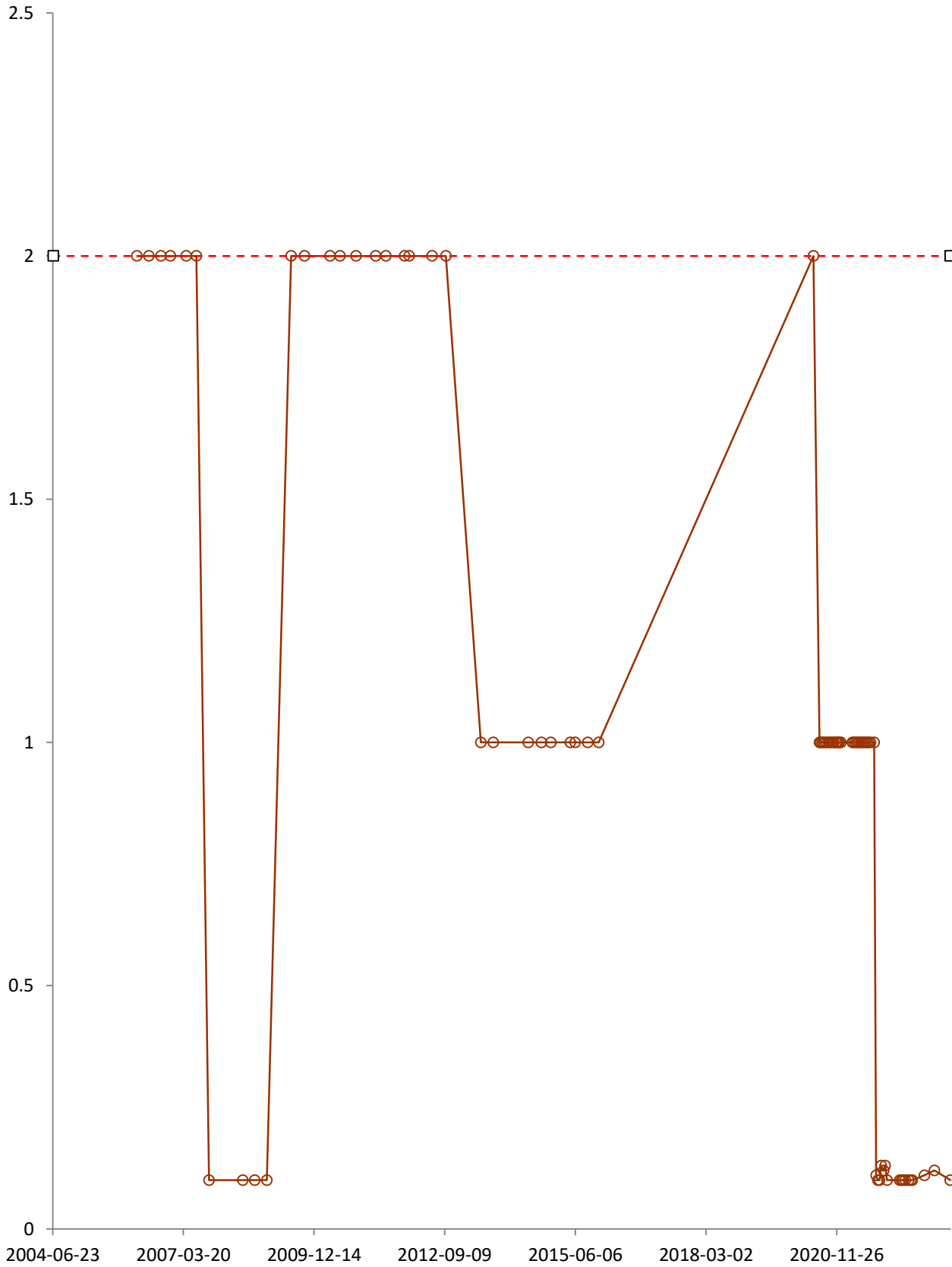
—○— Antimony (ug/l), SW4 - -□- - Antimony_HARRIETSFIELD WS BACKGROUND LEVEL



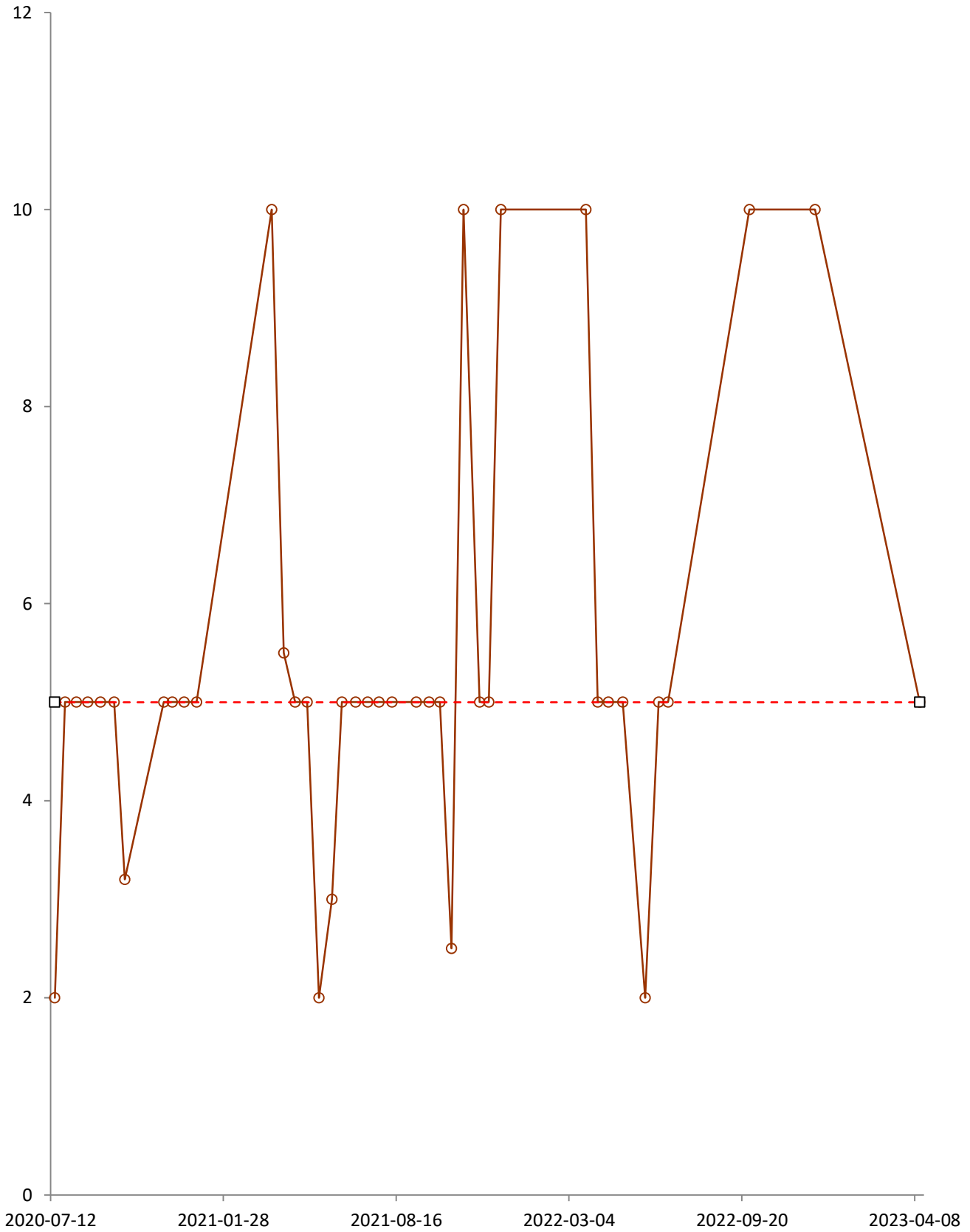


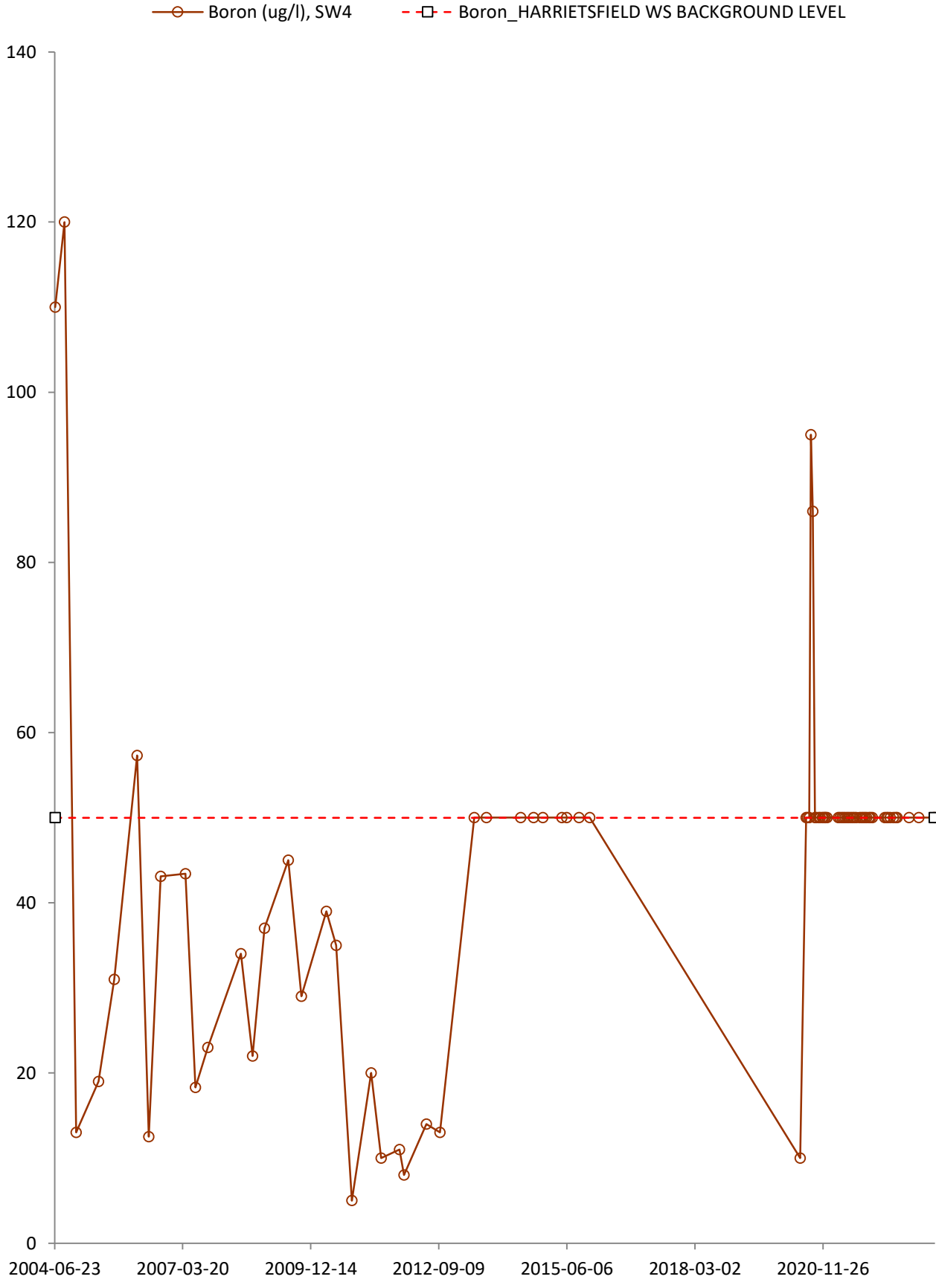


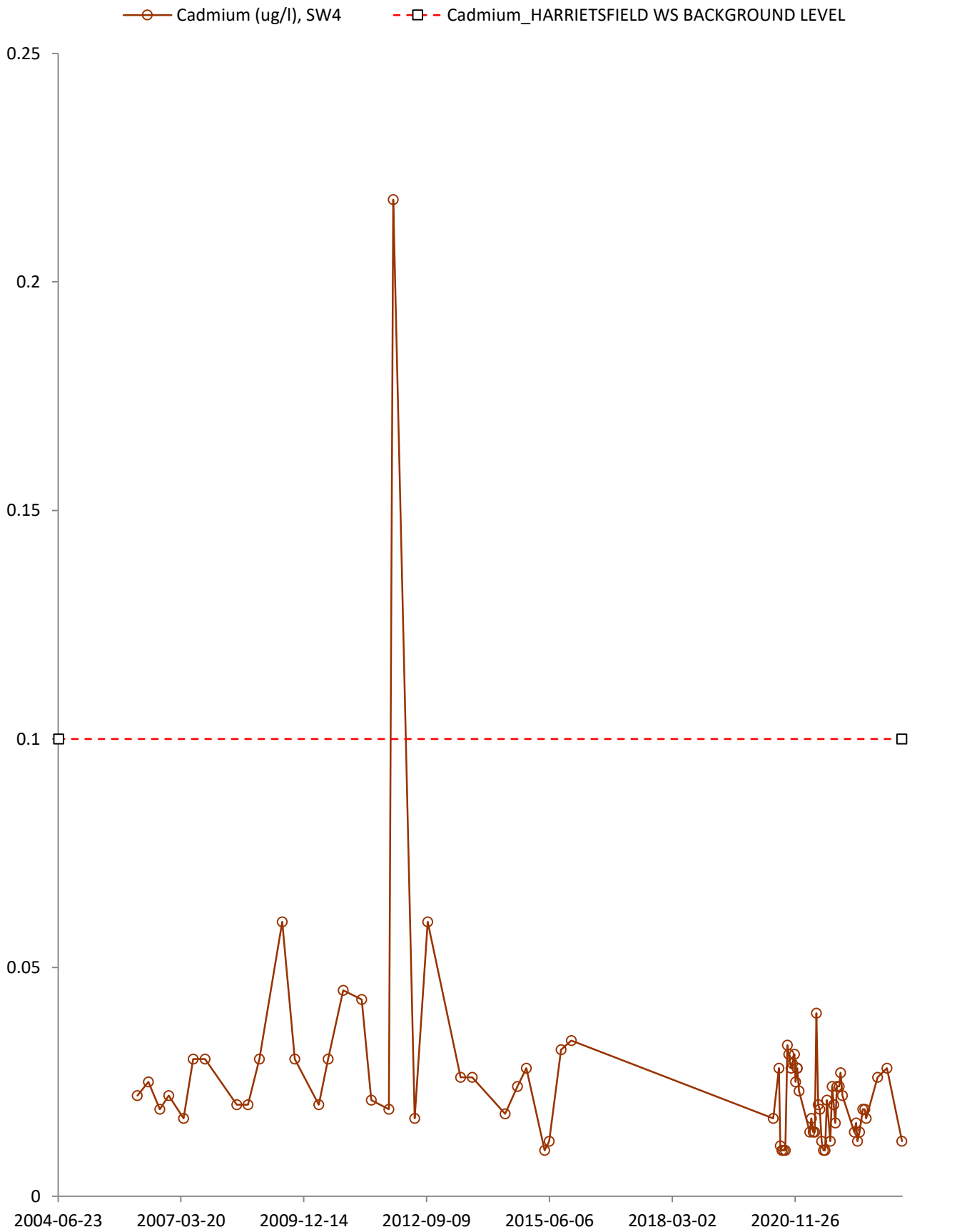
—○— Beryllium (ug/l), SW4 - -□- - Beryllium_HARRIETSFIELD WS BACKGROUND LEVEL

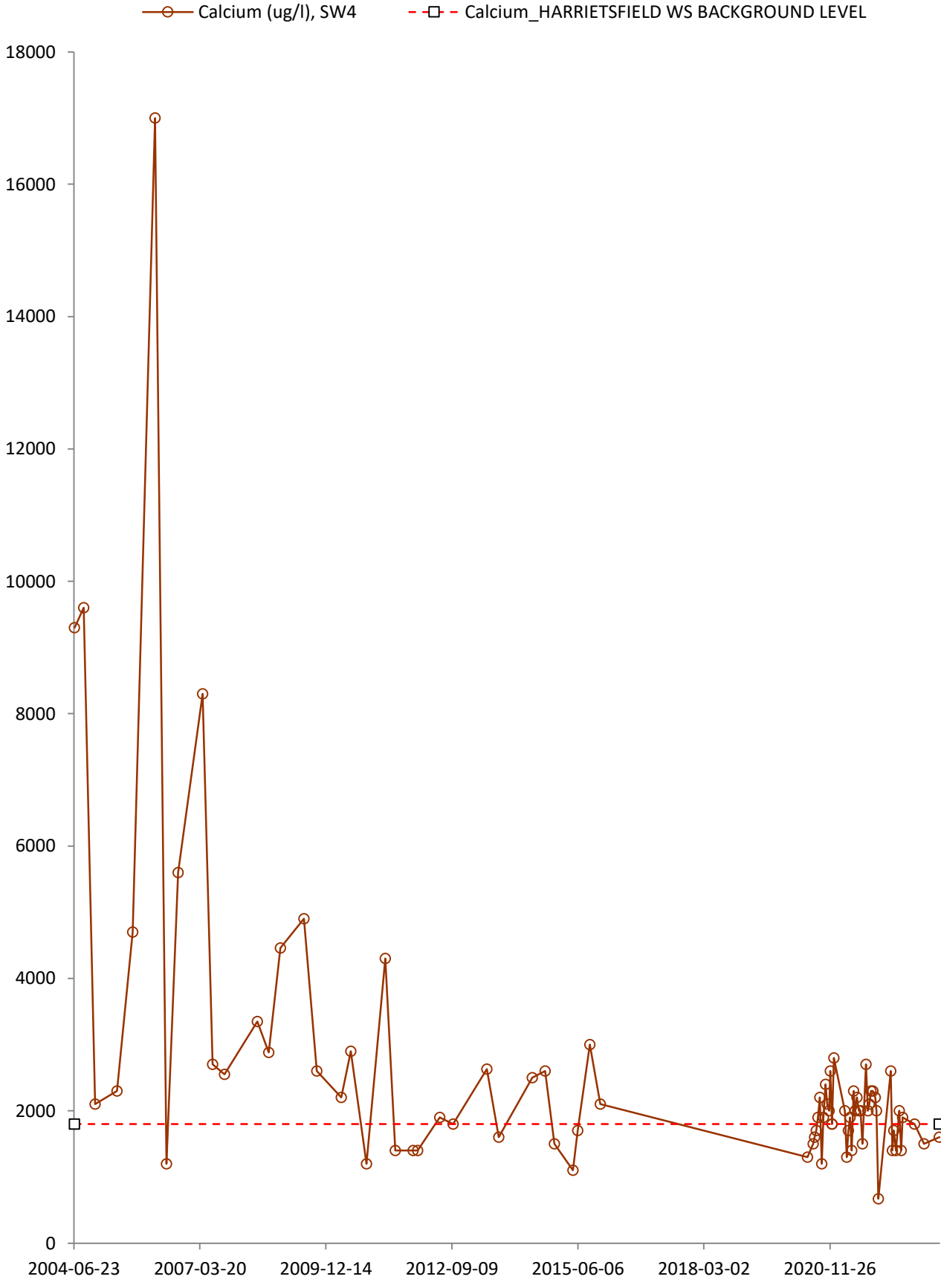


—○— BOD Carbonaceous (mg/l), SW4 - -□- - BOD Carbonaceous_HARRIETSFIELD WS BACKGROUND LEVEL

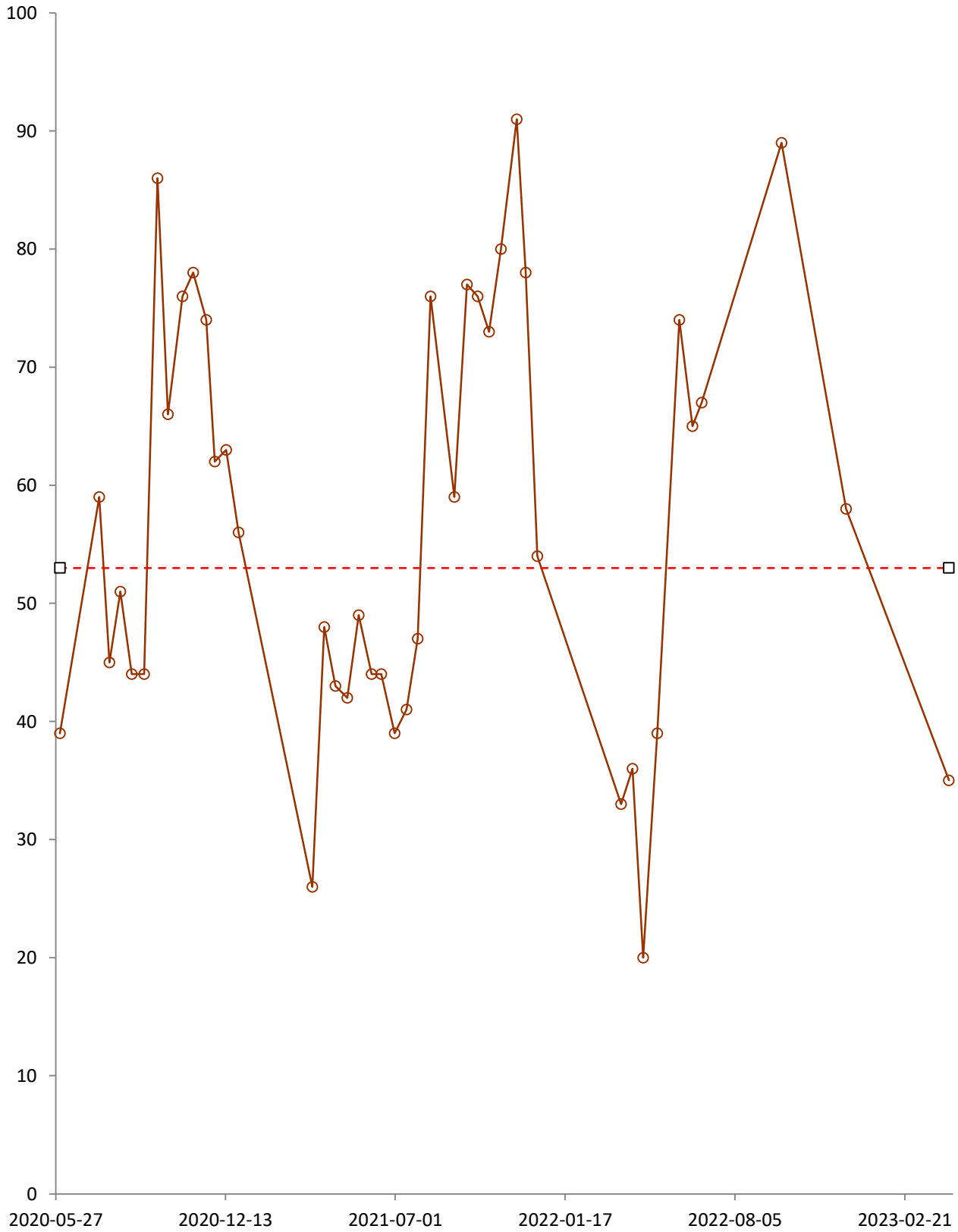


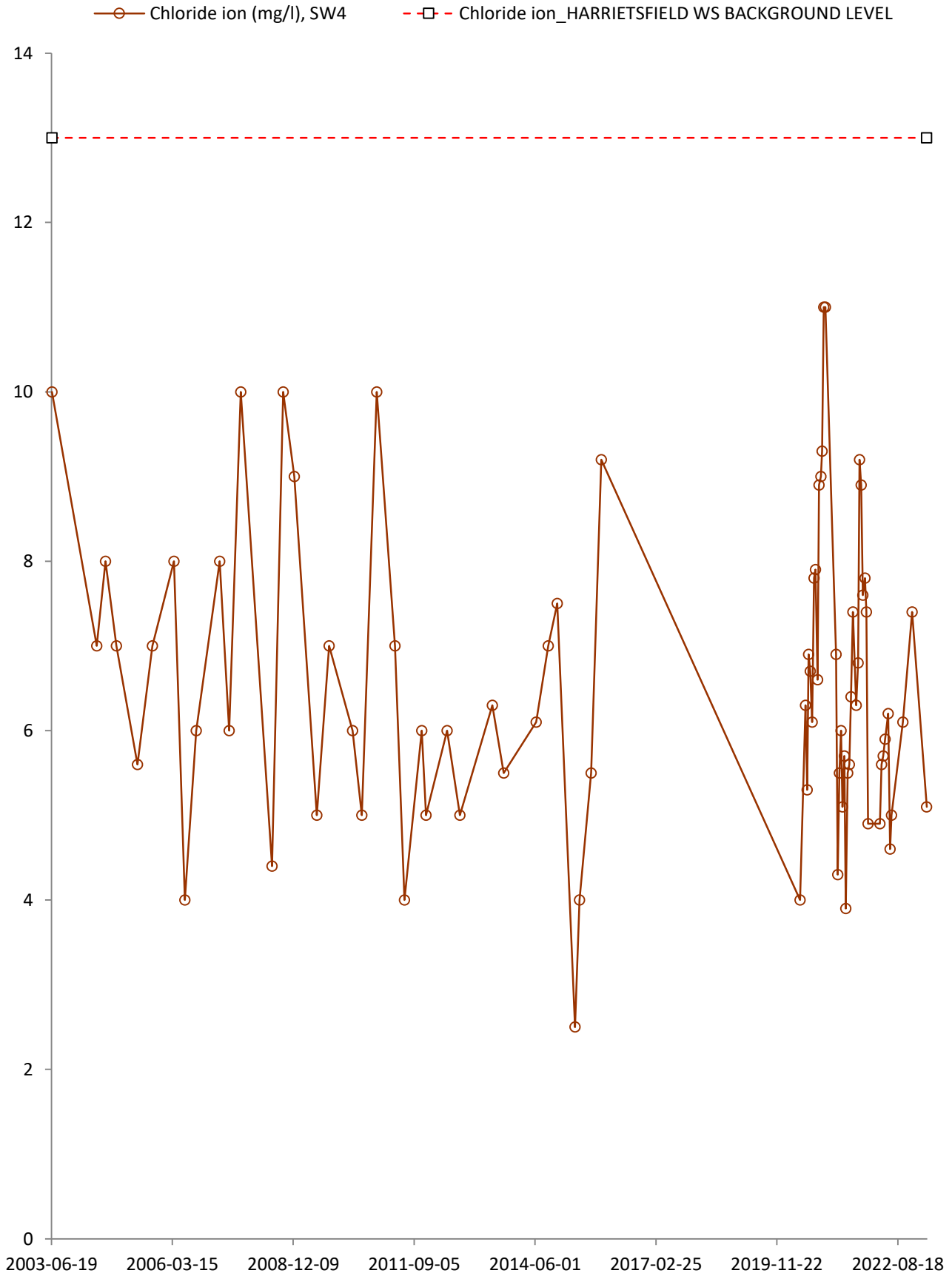


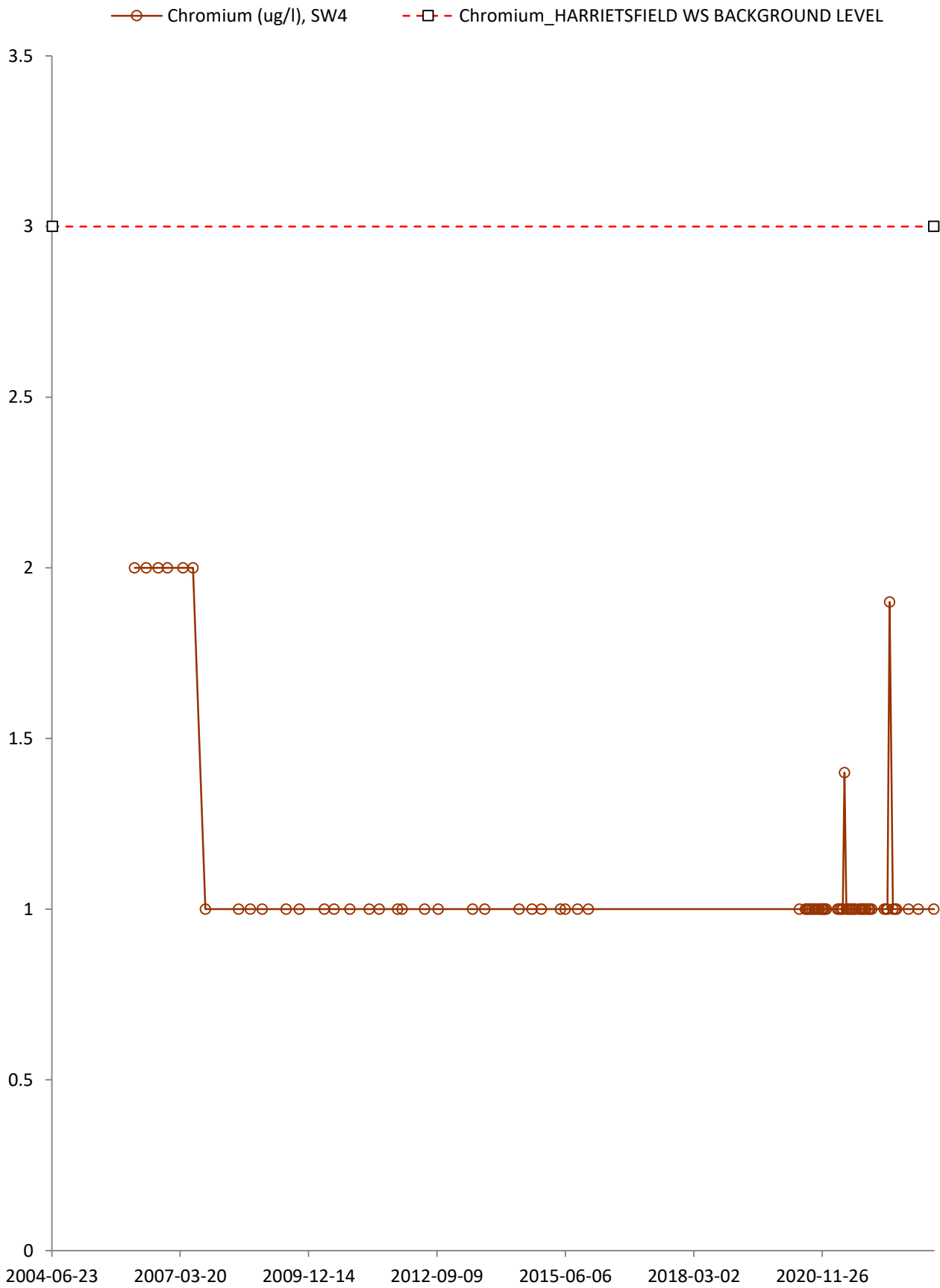


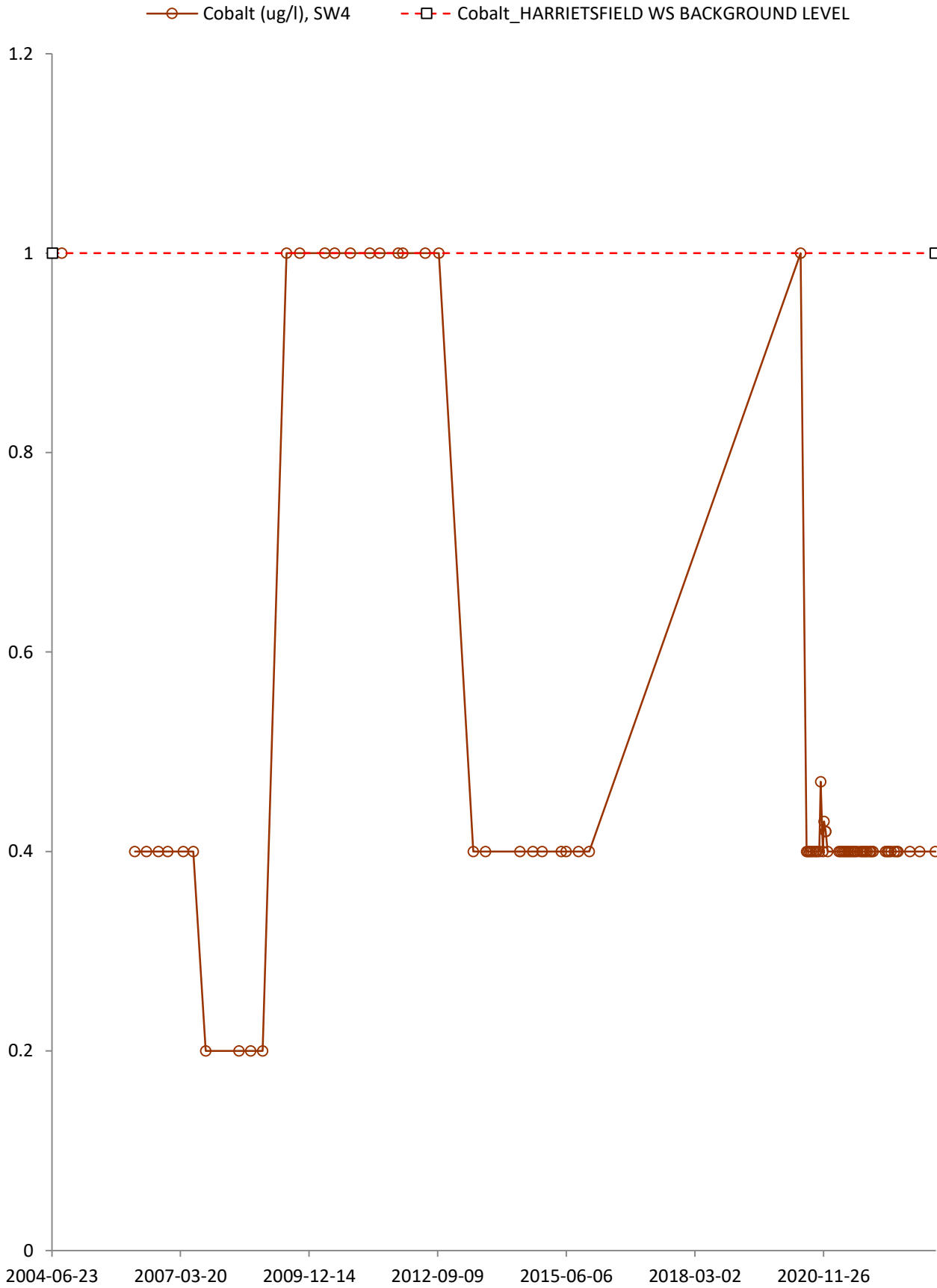


- Chemical Oxygen Demand (mg/l), SW4
- - □ - Chemical Oxygen Demand_HARRIETSFIELD WS BACKGROUND LEVEL

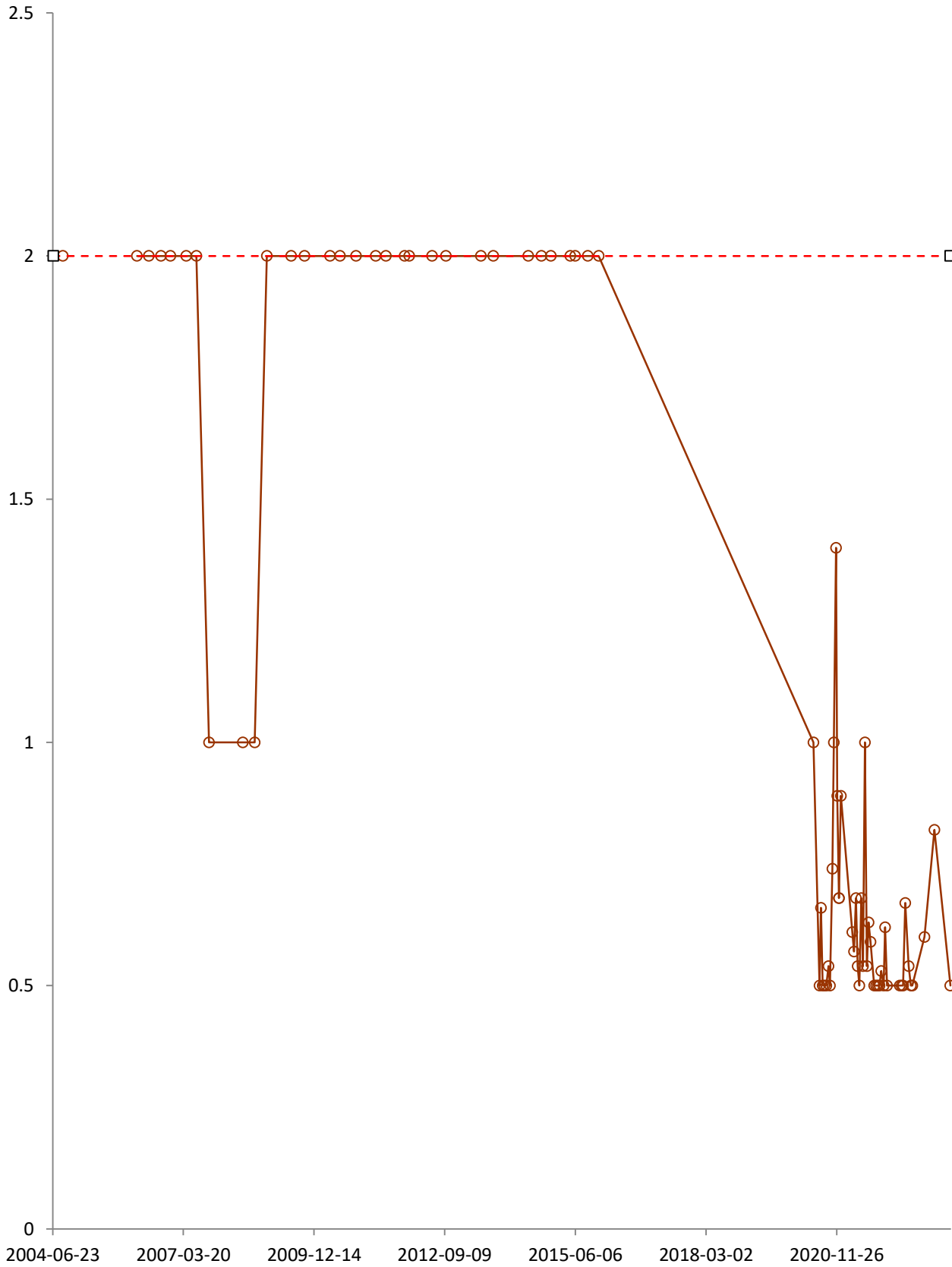




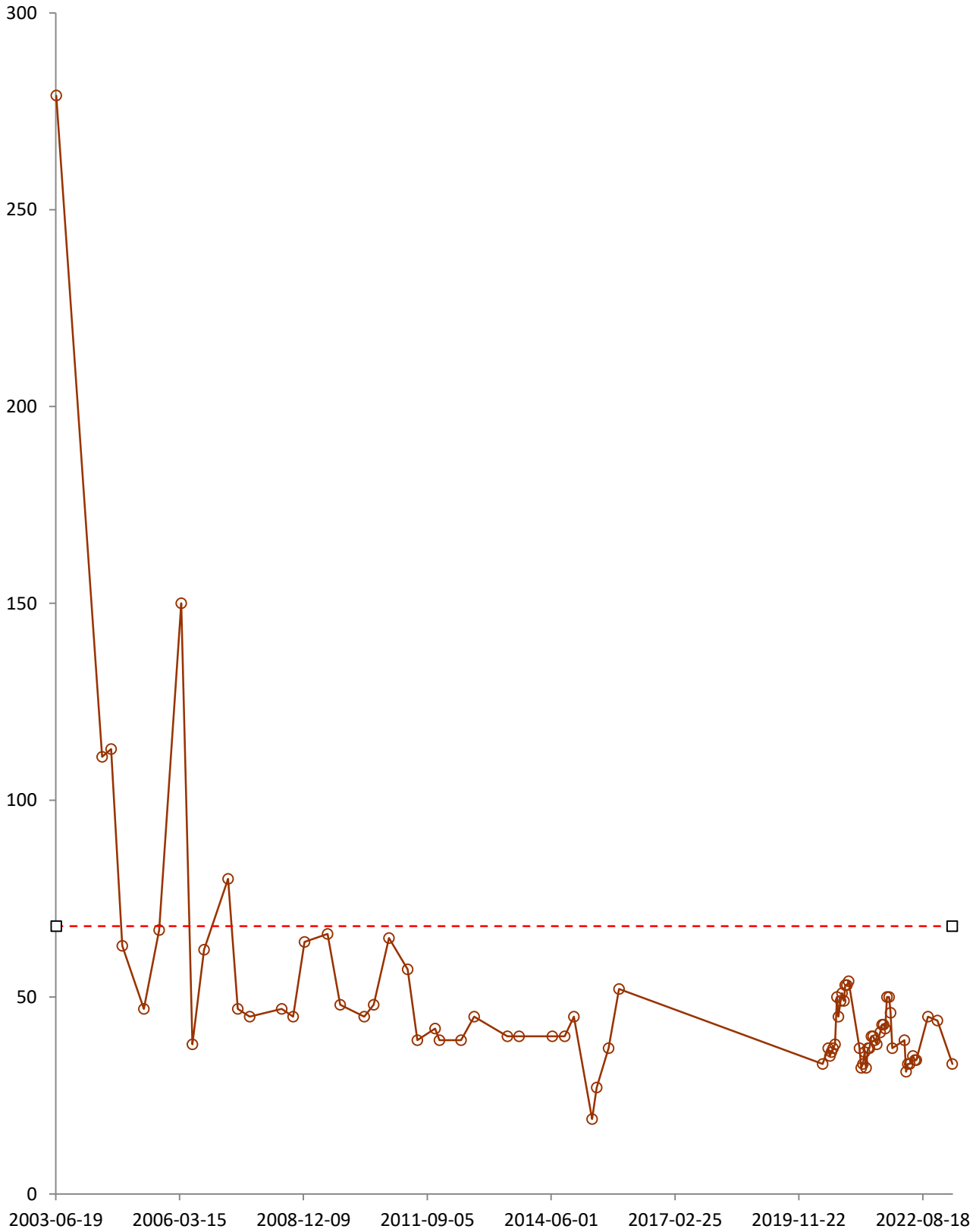


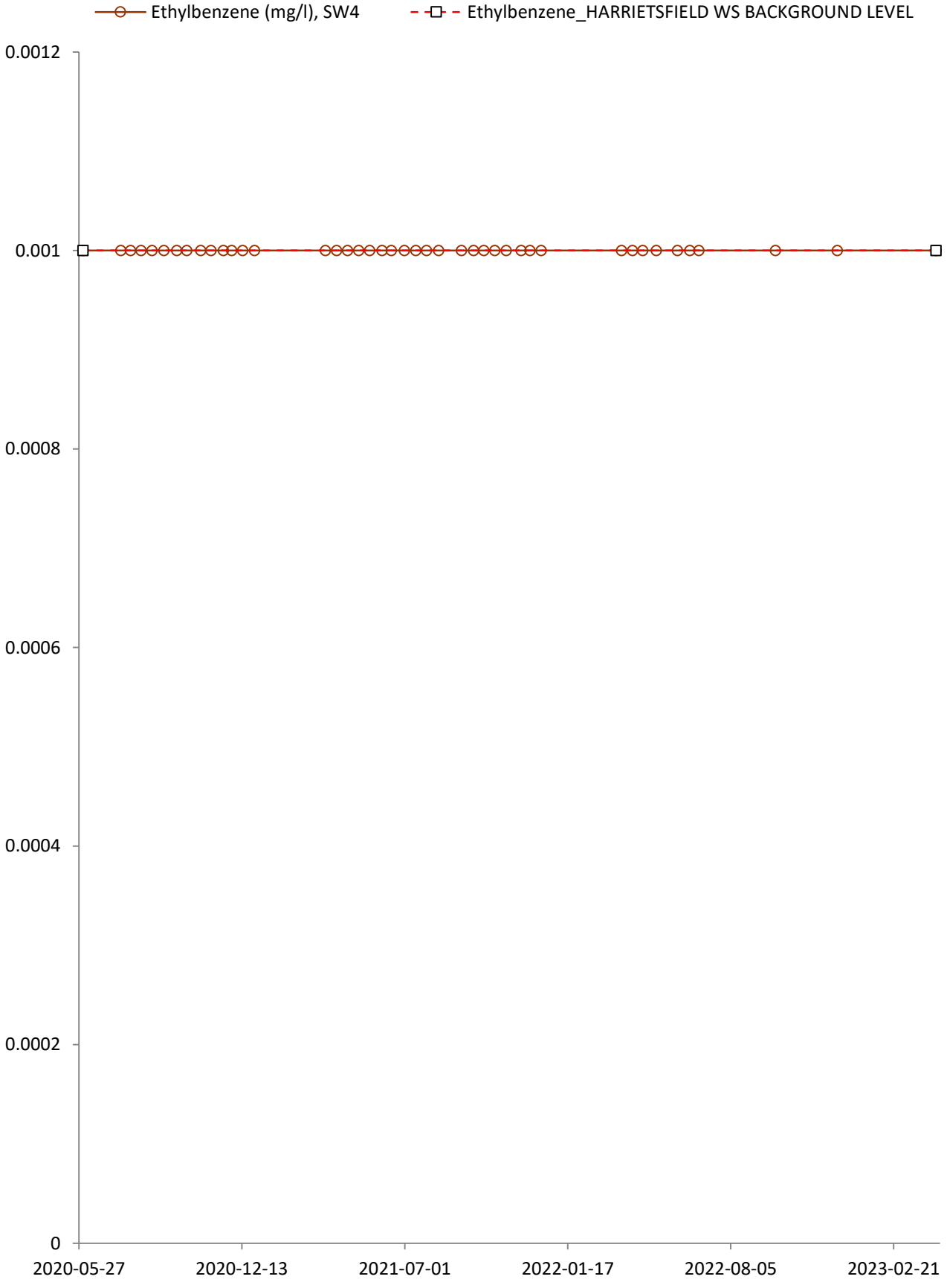


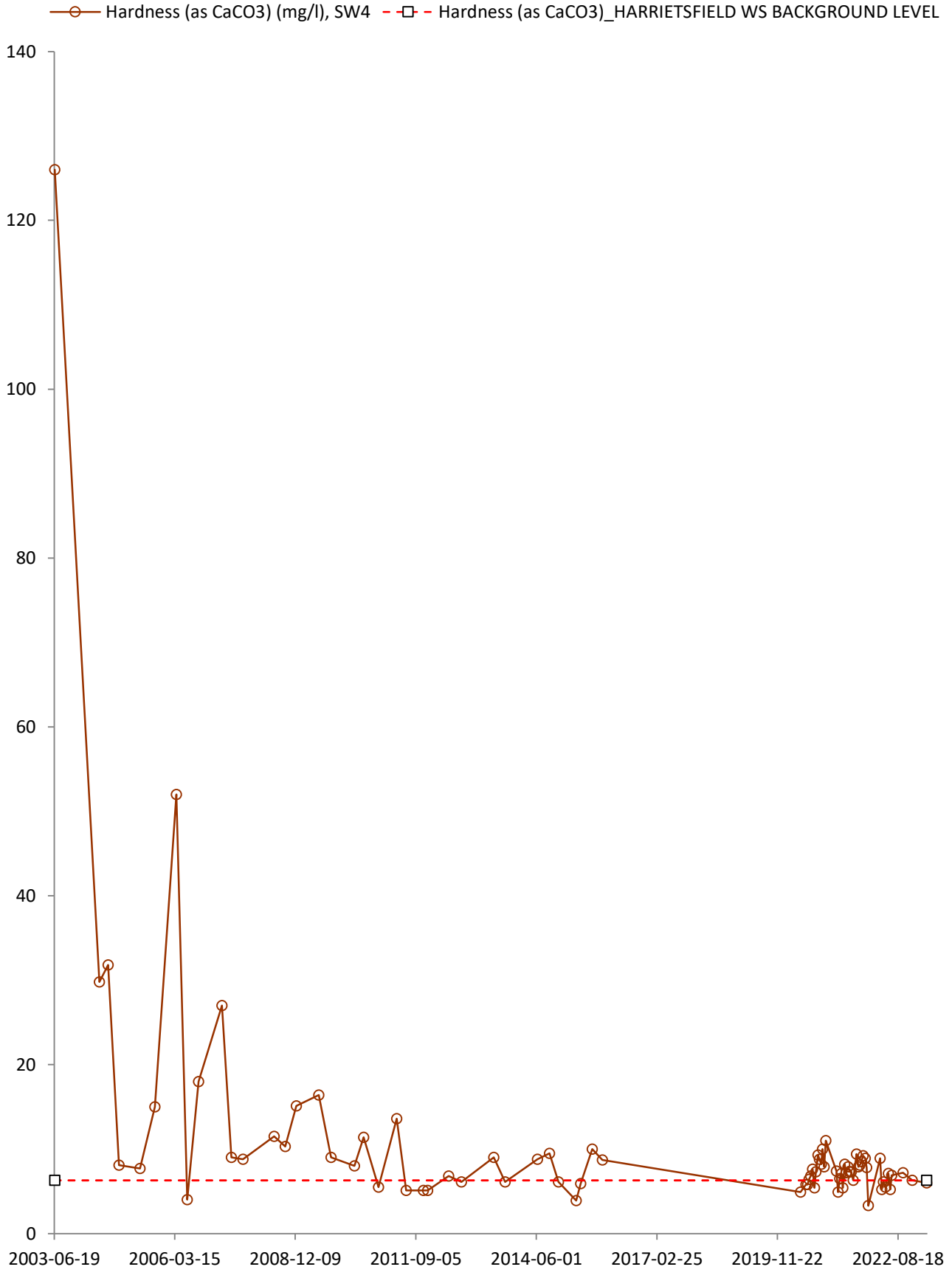
—○— Copper (ug/l), SW4 - -□- - Copper_HARRIETSFIELD WS BACKGROUND LEVEL



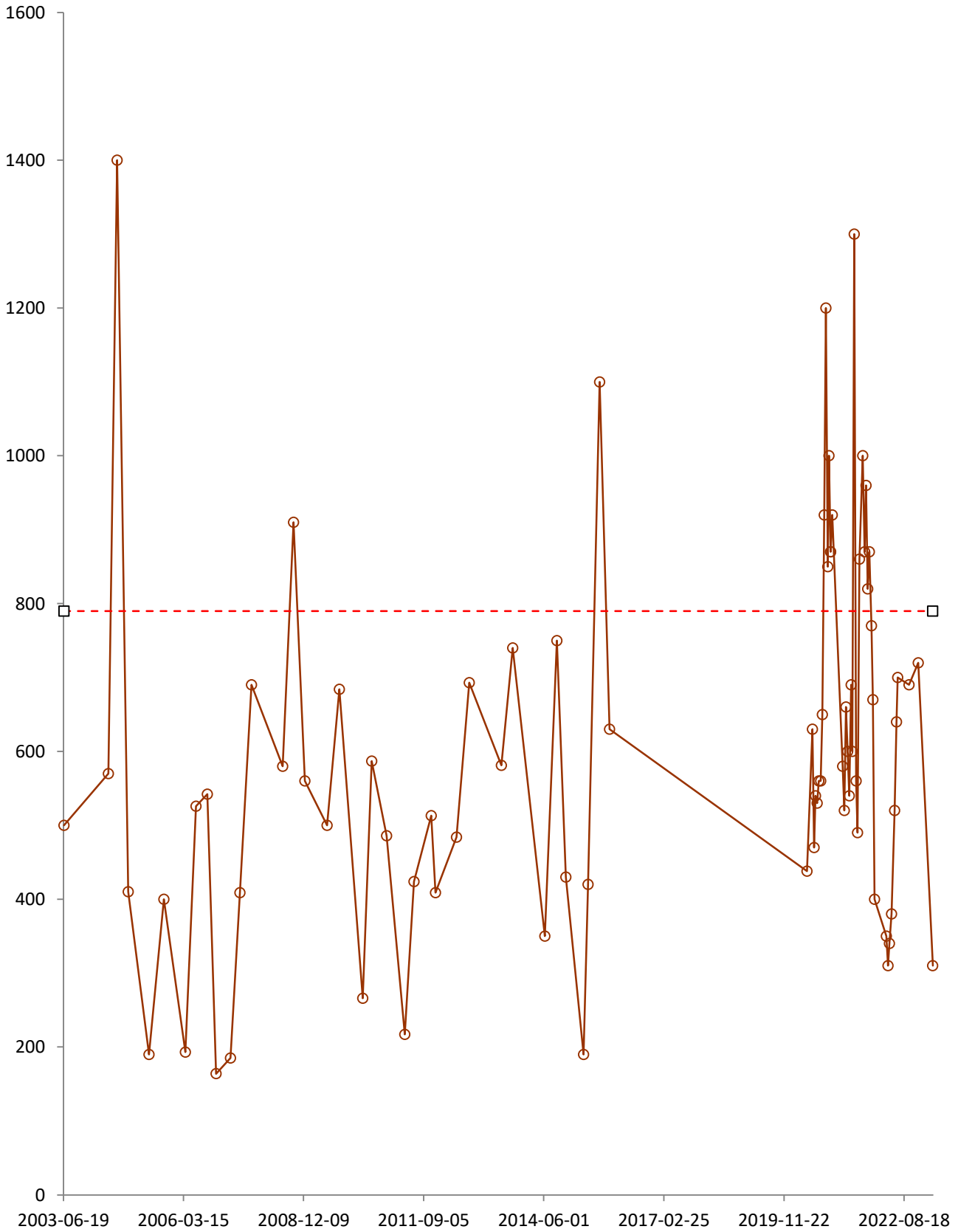
- Electrical Conductivity (umhos/cm), SW4
- -□- - Electrical Conductivity_HARRIETSFIELD WS BACKGROUND LEVEL



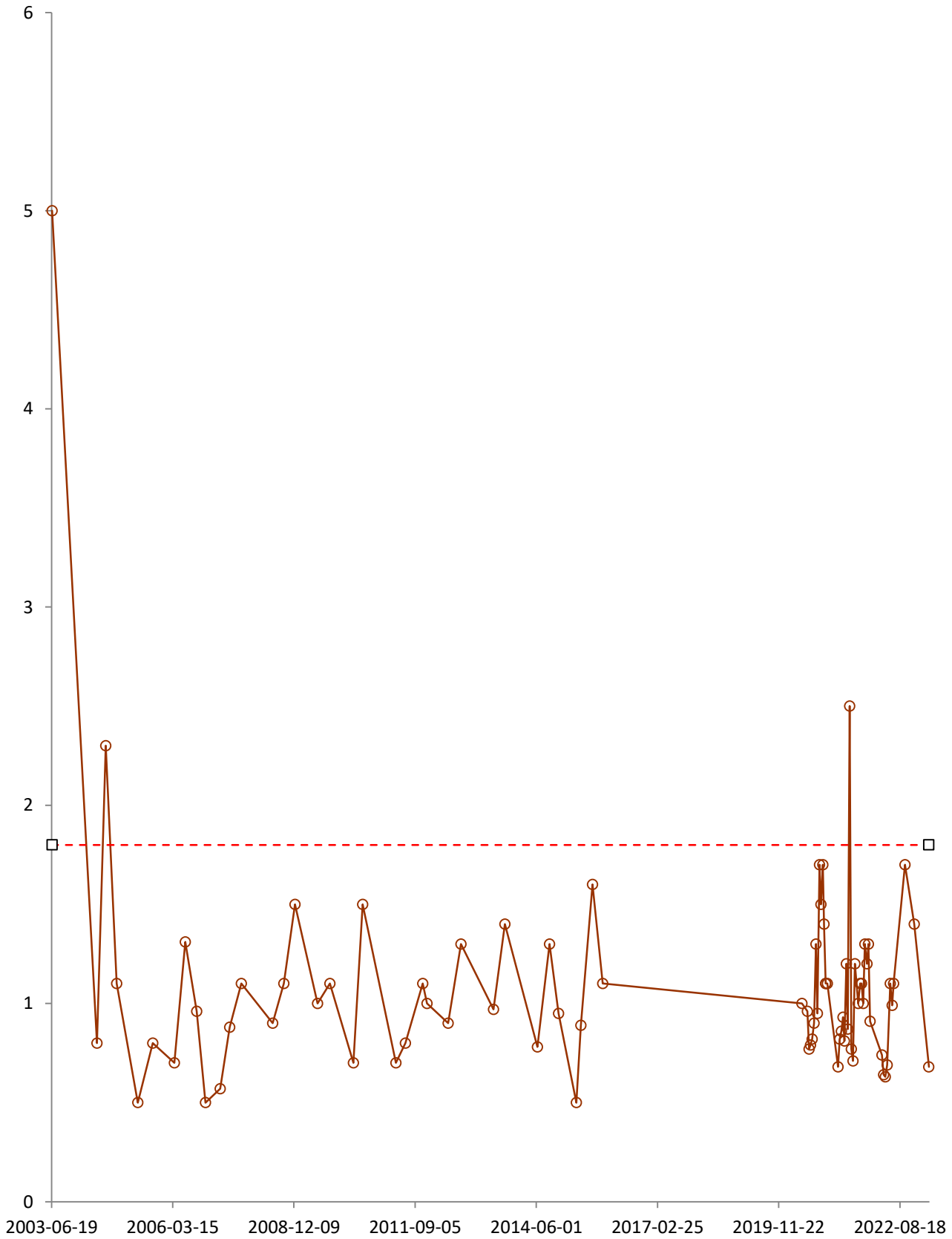


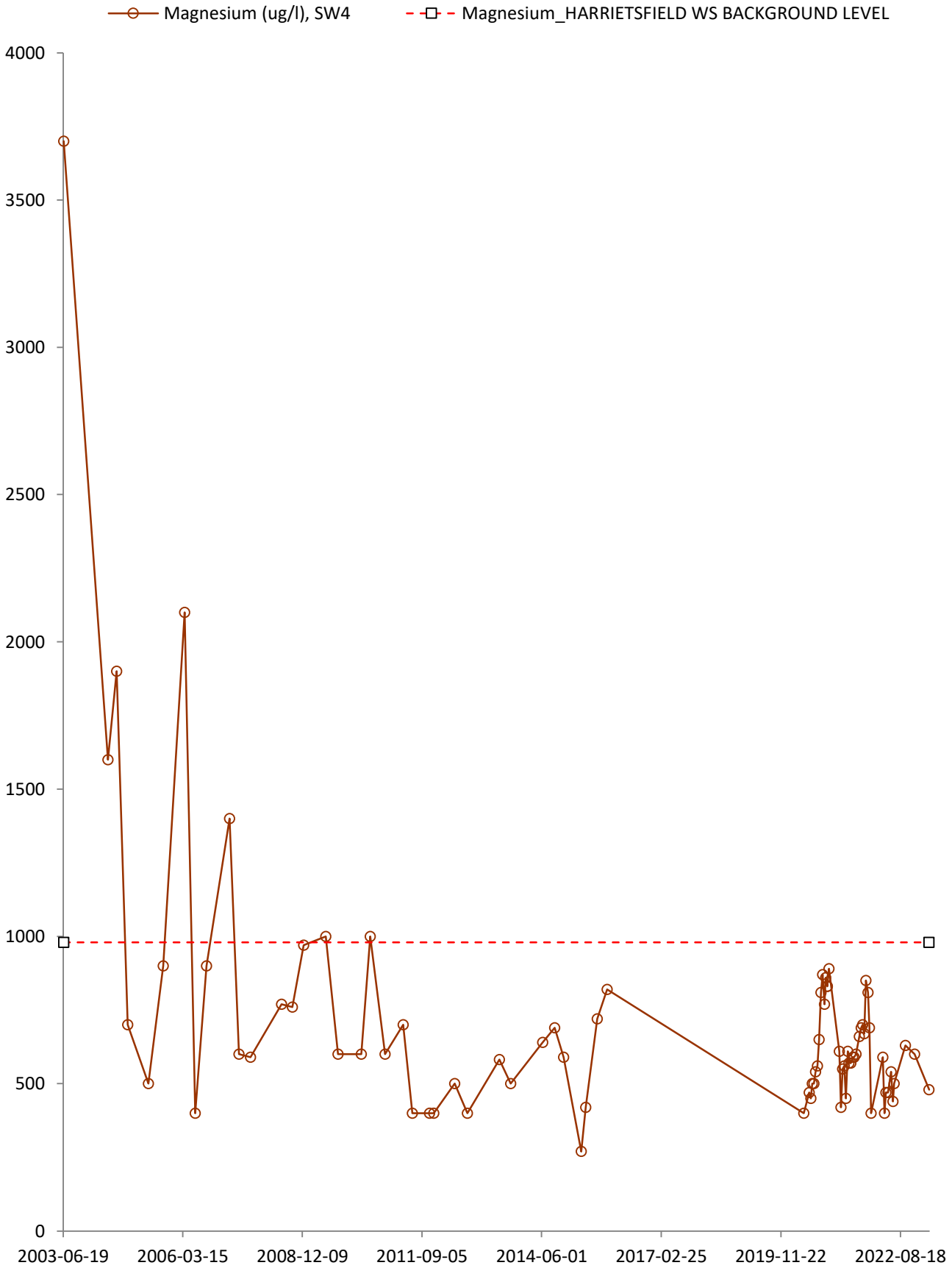


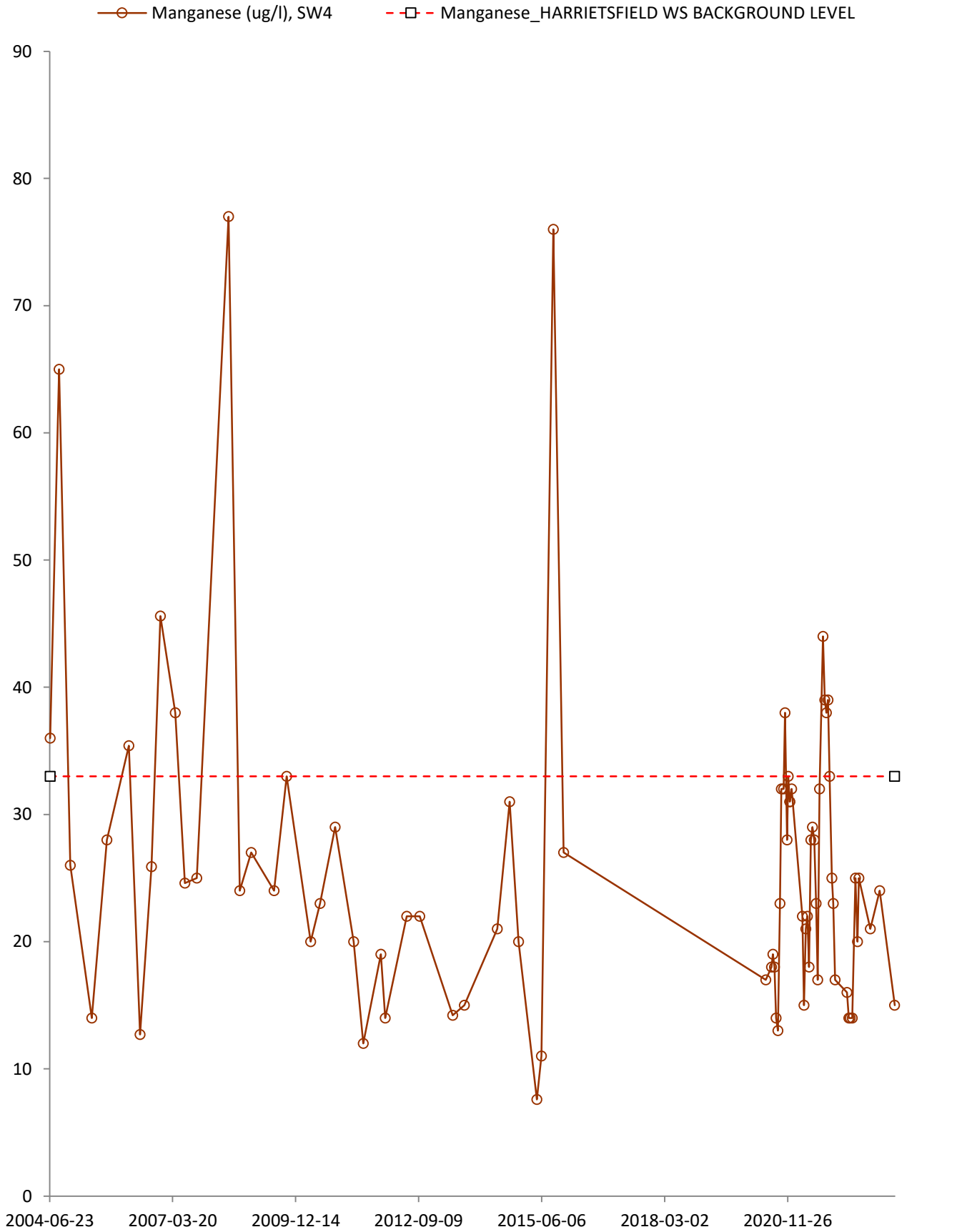
—○— Iron (ug/l), SW4 - -□- - Iron_HARRIETSFIELD WS BACKGROUND LEVEL



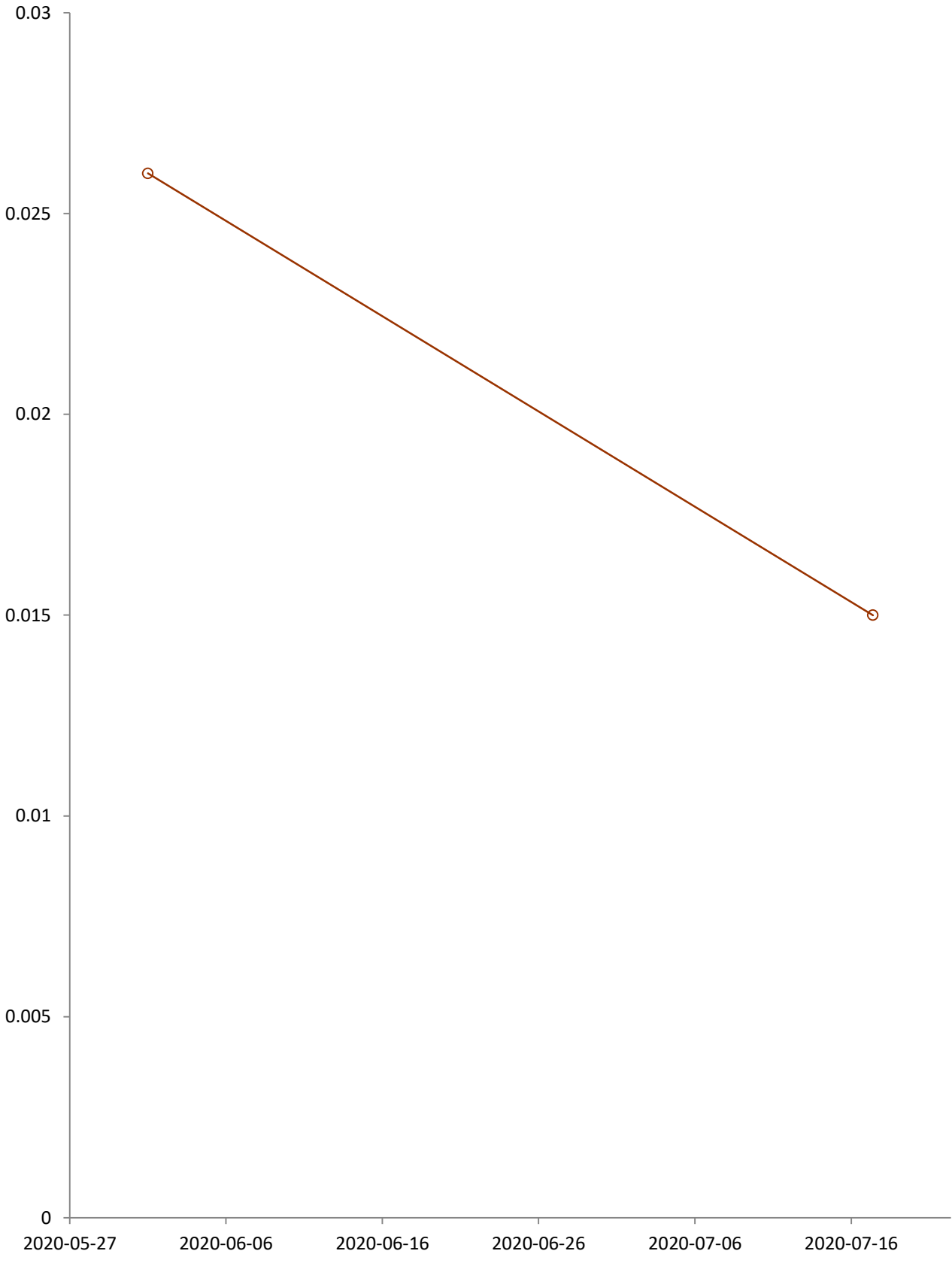
Lead (ug/l), SW4 Lead_HARRIETSFIELD WS BACKGROUND LEVEL

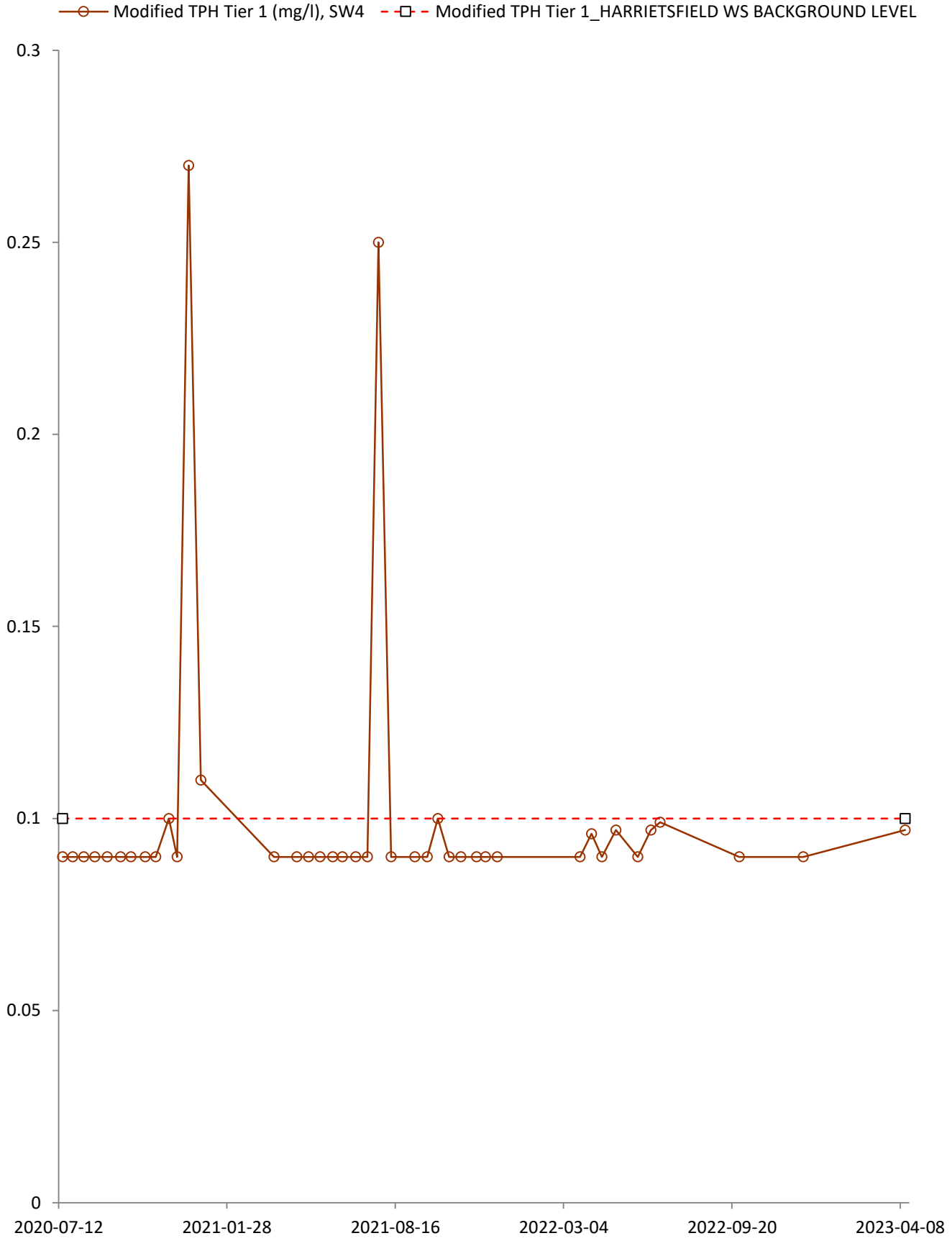


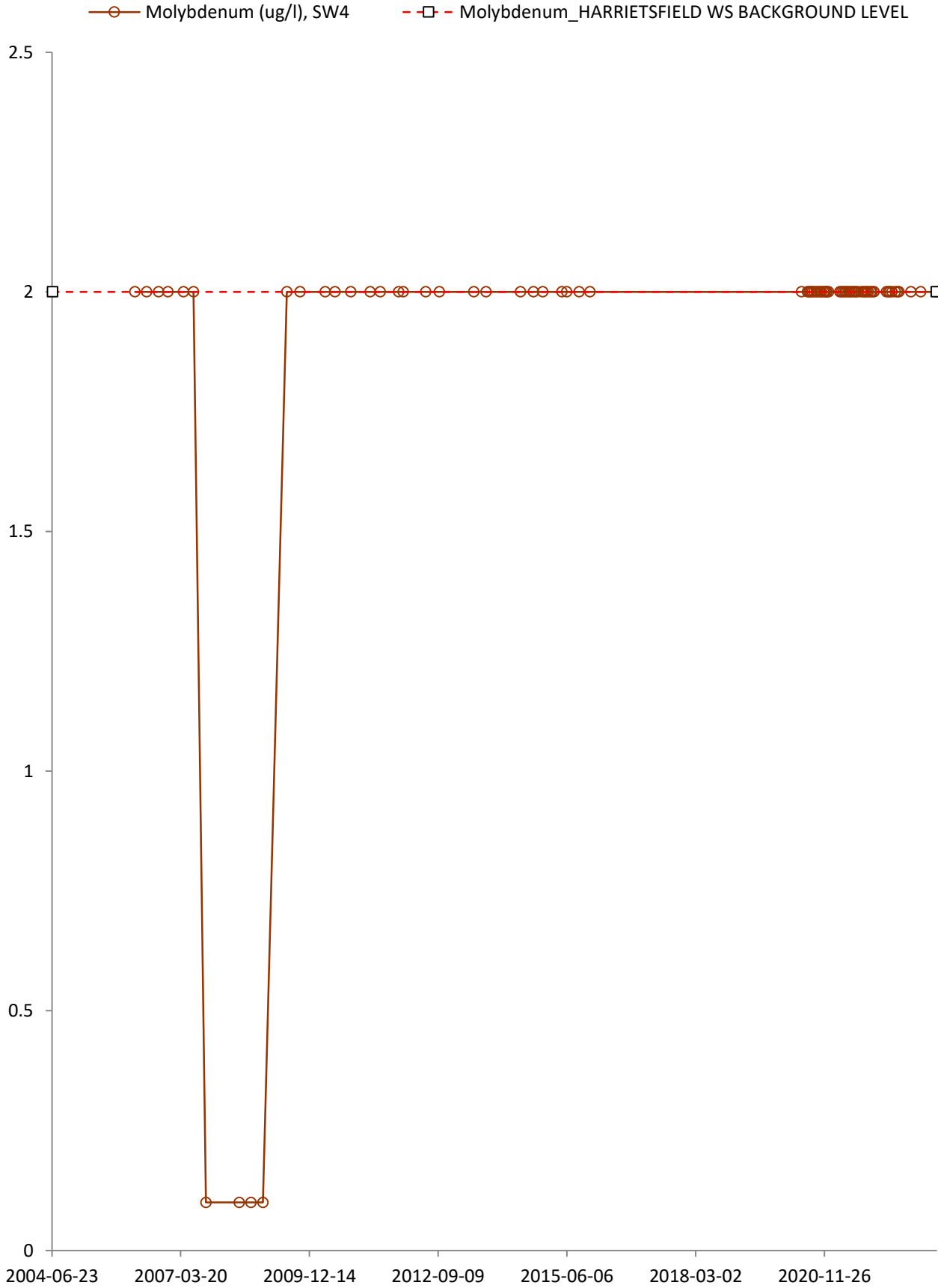


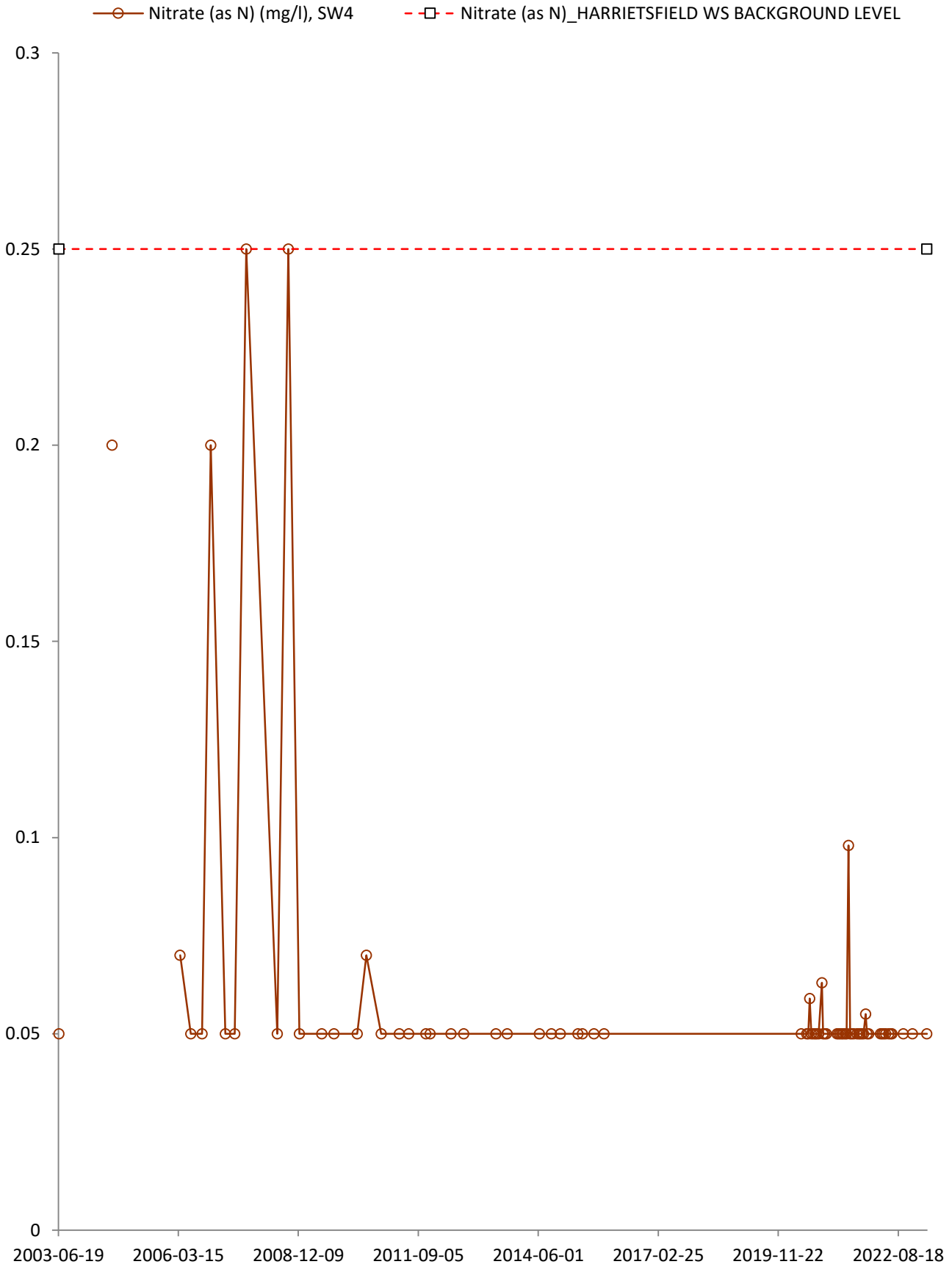


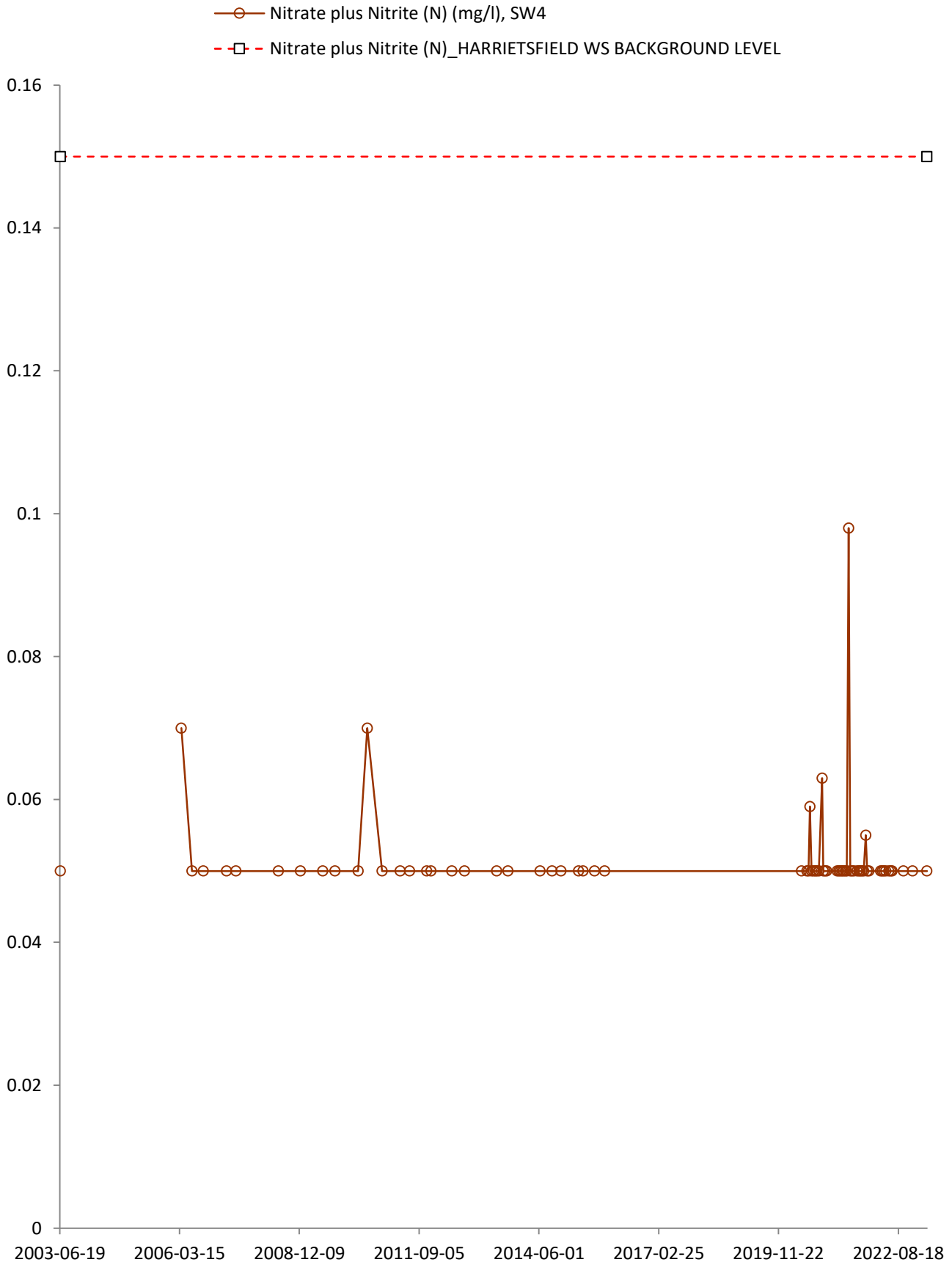
Mercury (ug/l), SW4

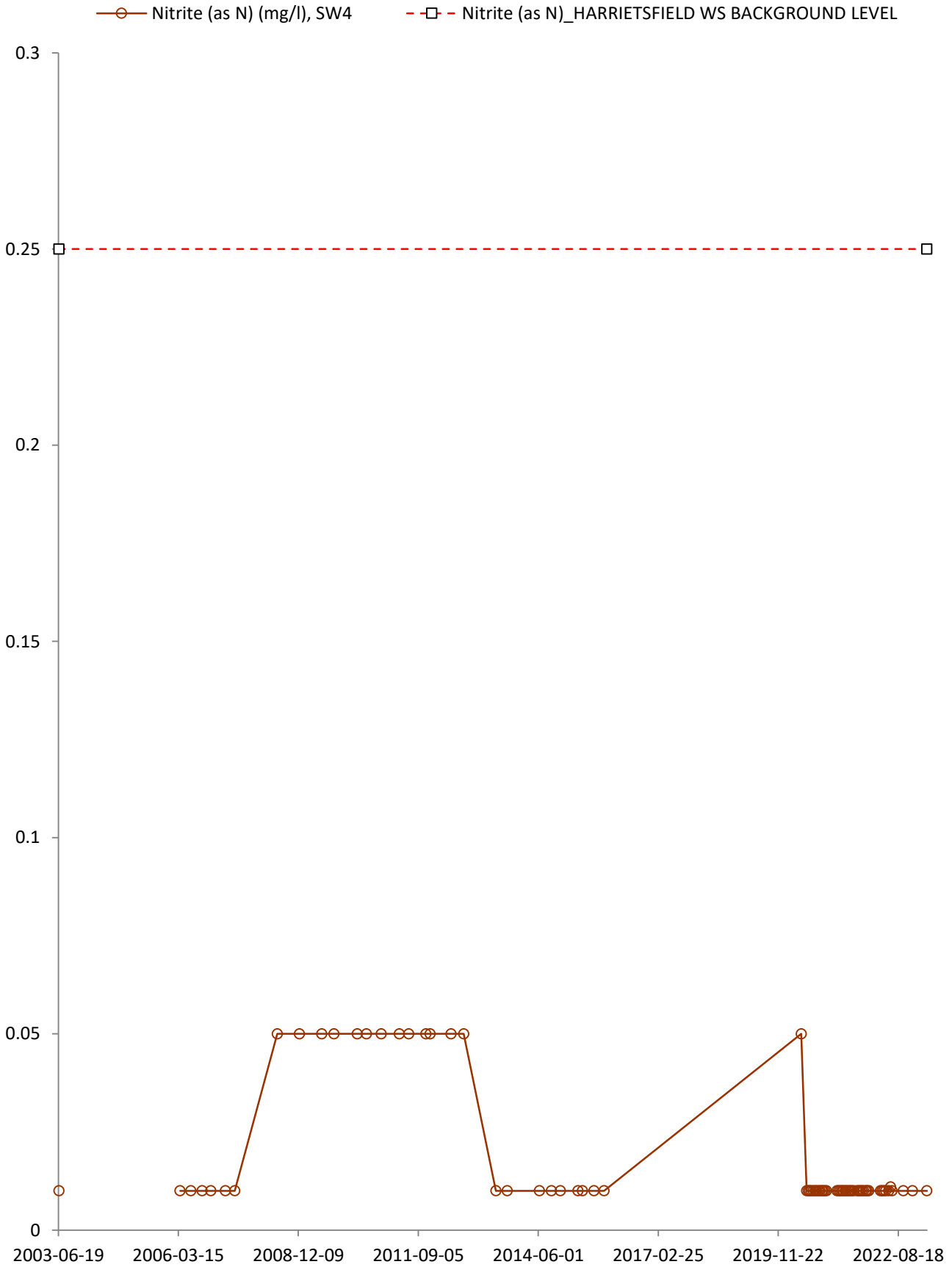




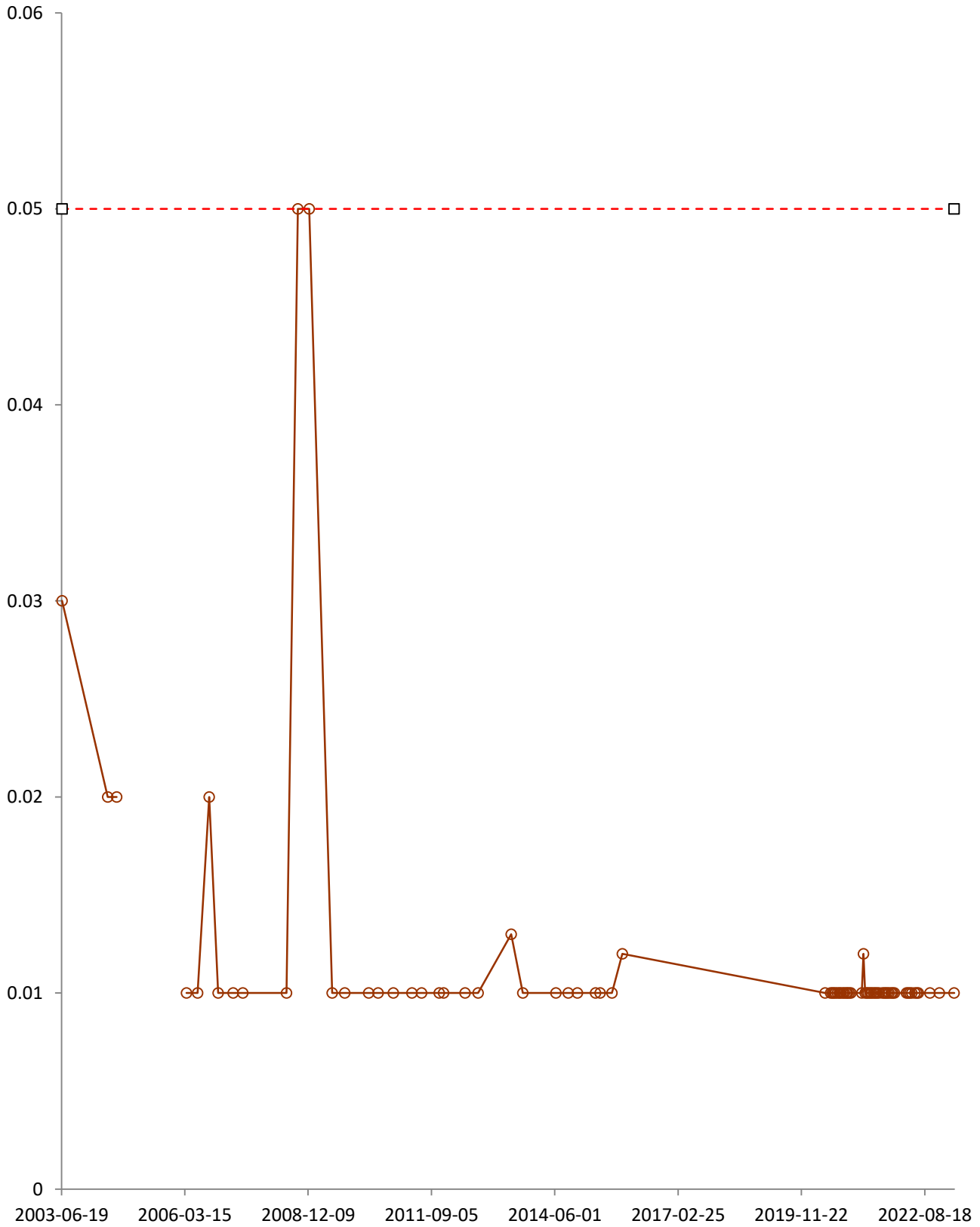


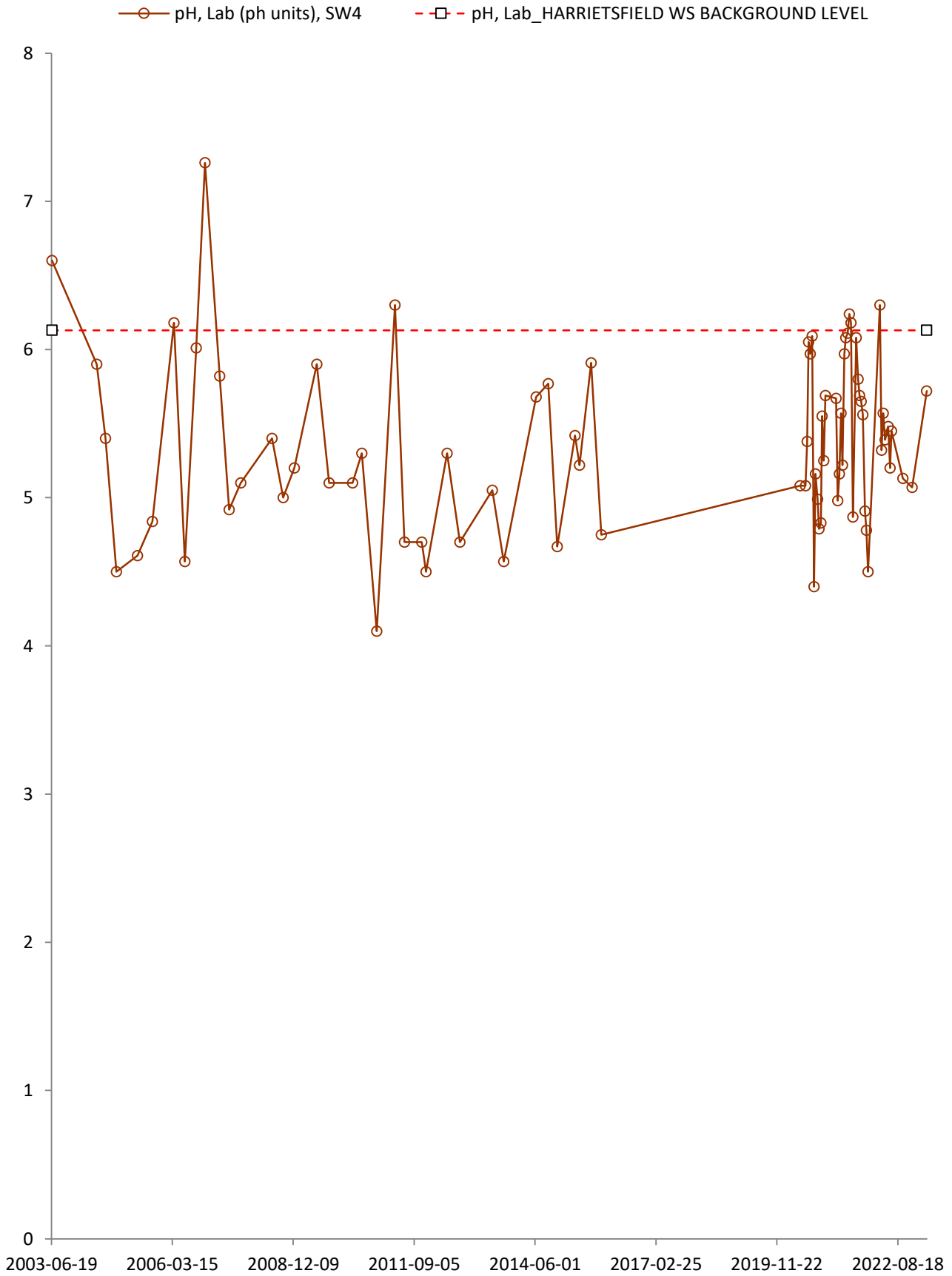


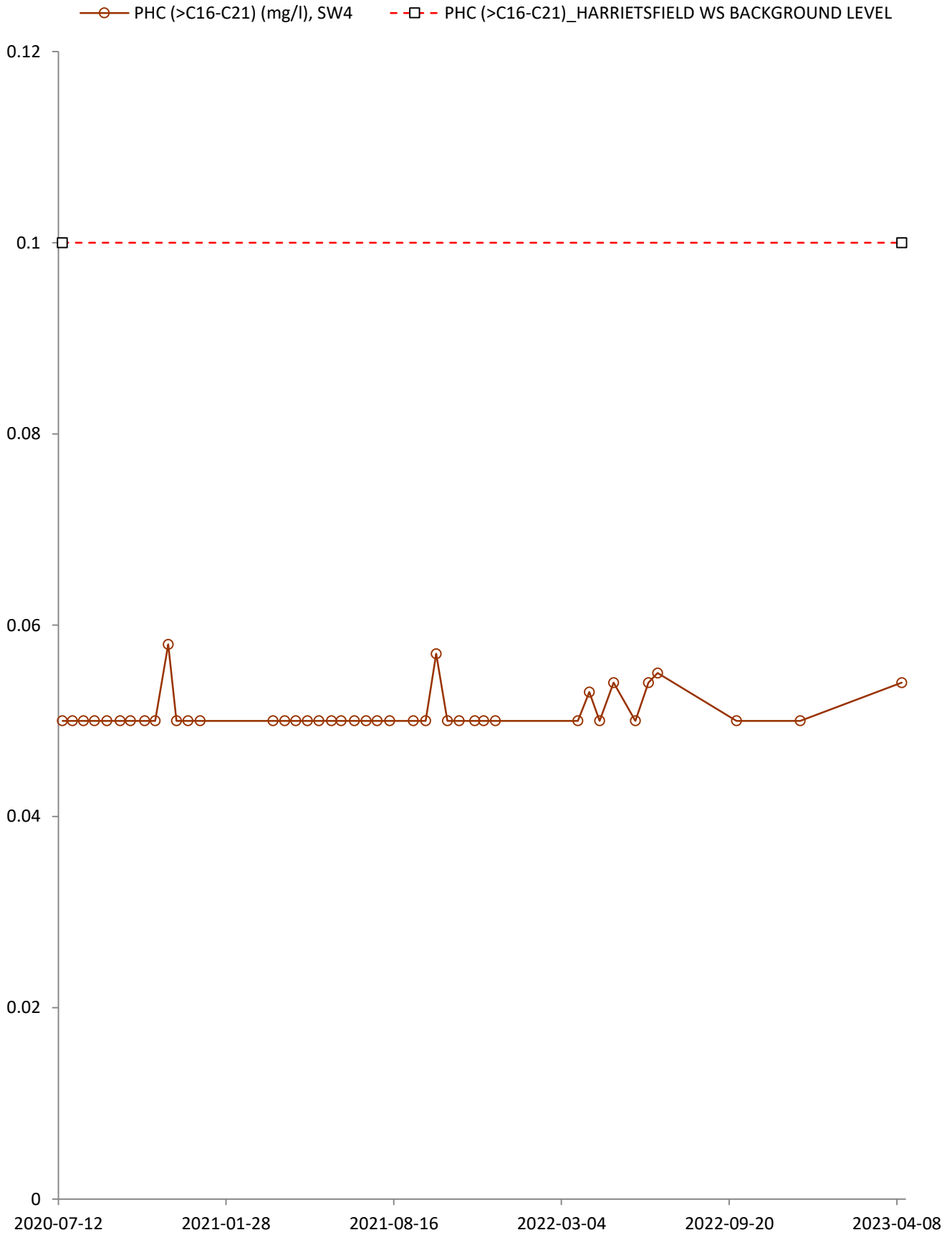


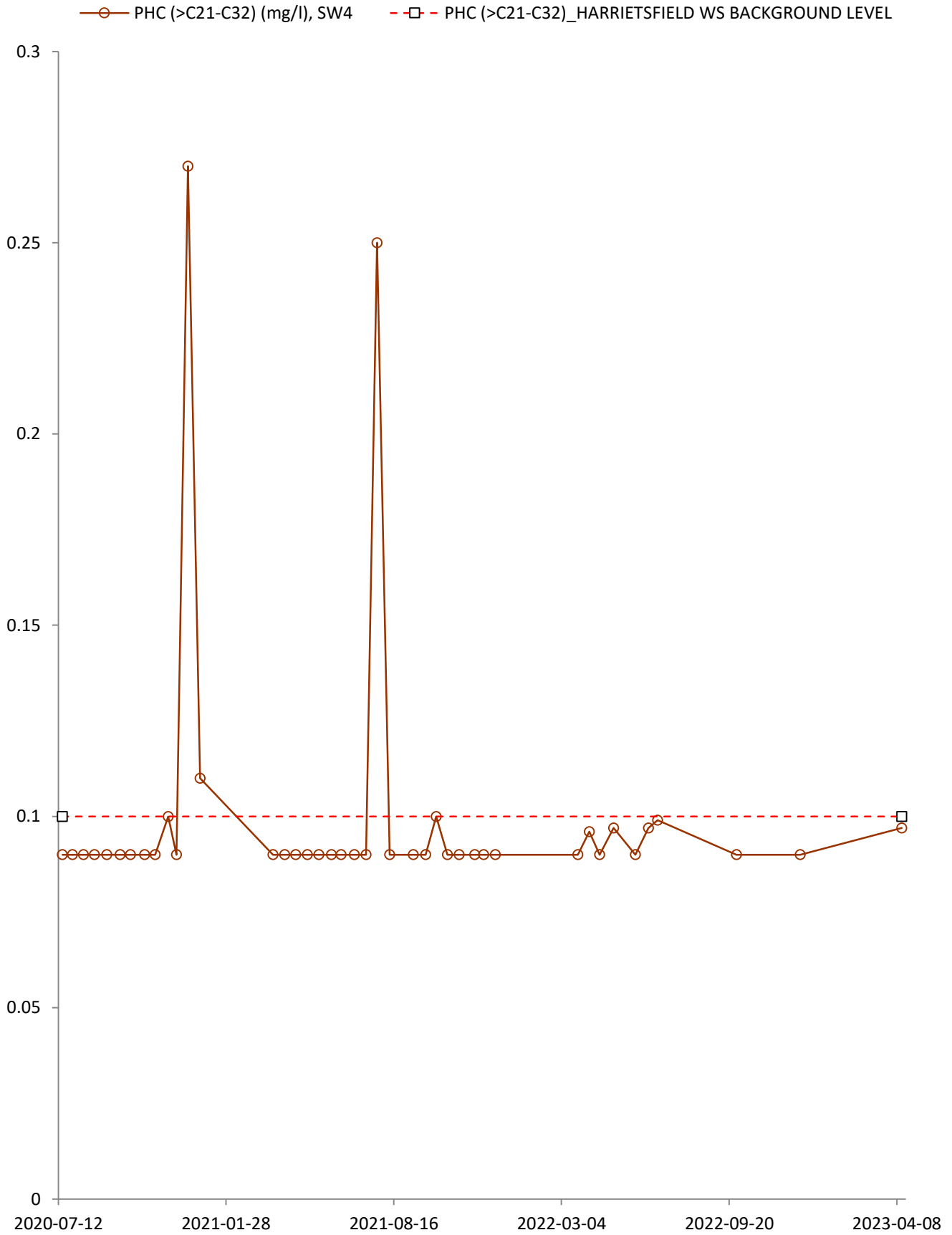


- Orthophosphate(as P) (mg/l), SW4
- -□- - Orthophosphate(as P)_HARRIETSFIELD WS BACKGROUND LEVEL

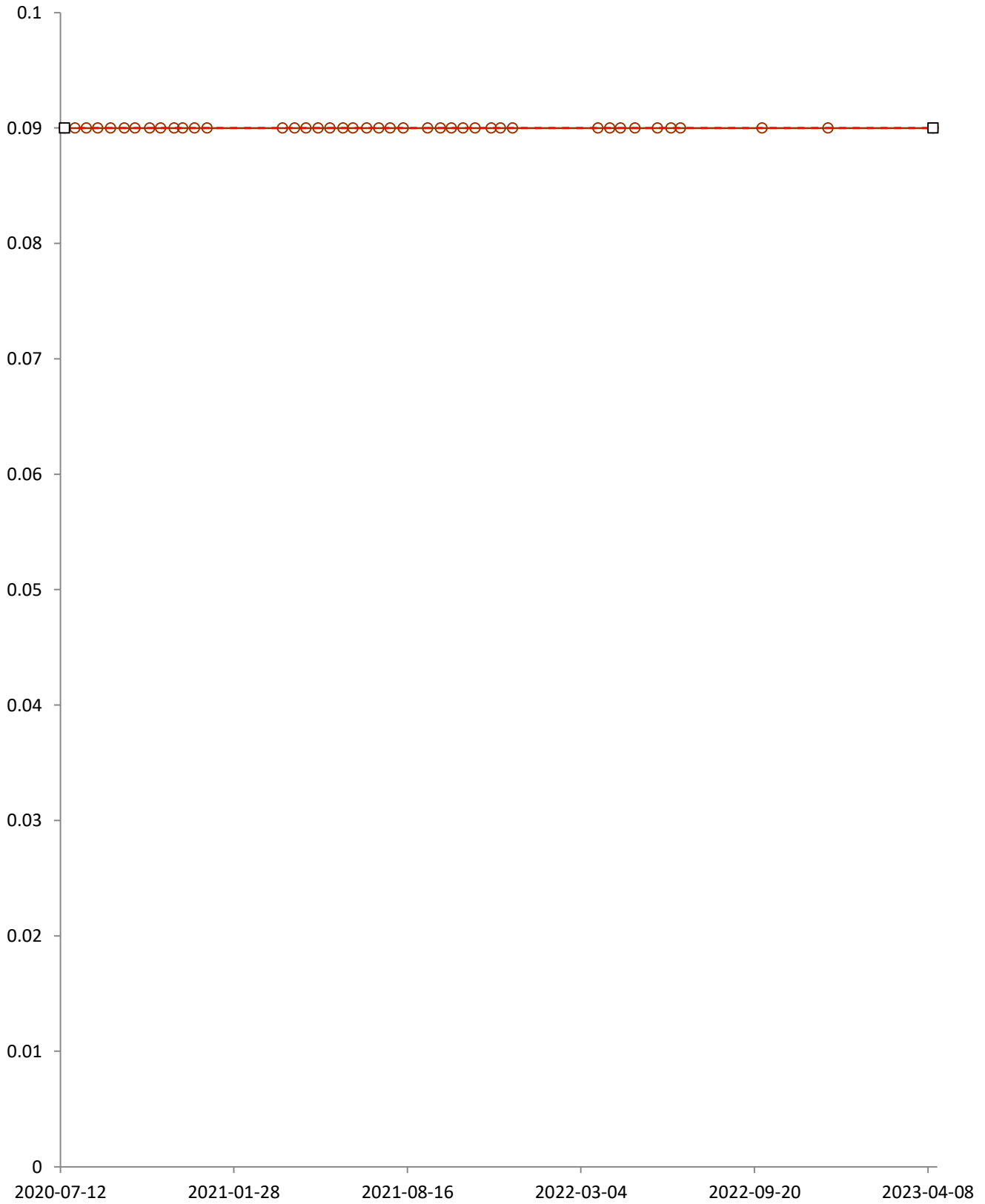


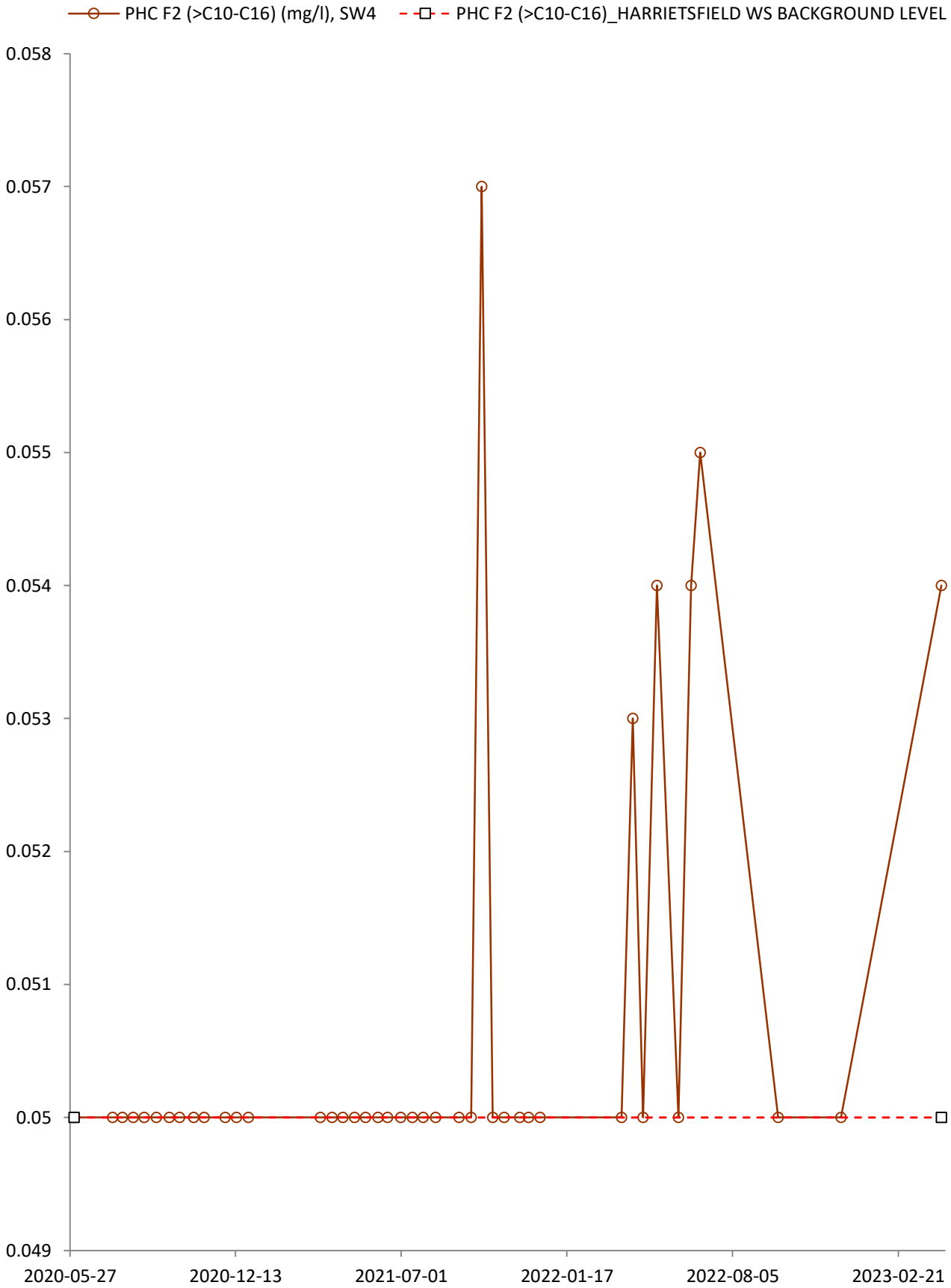


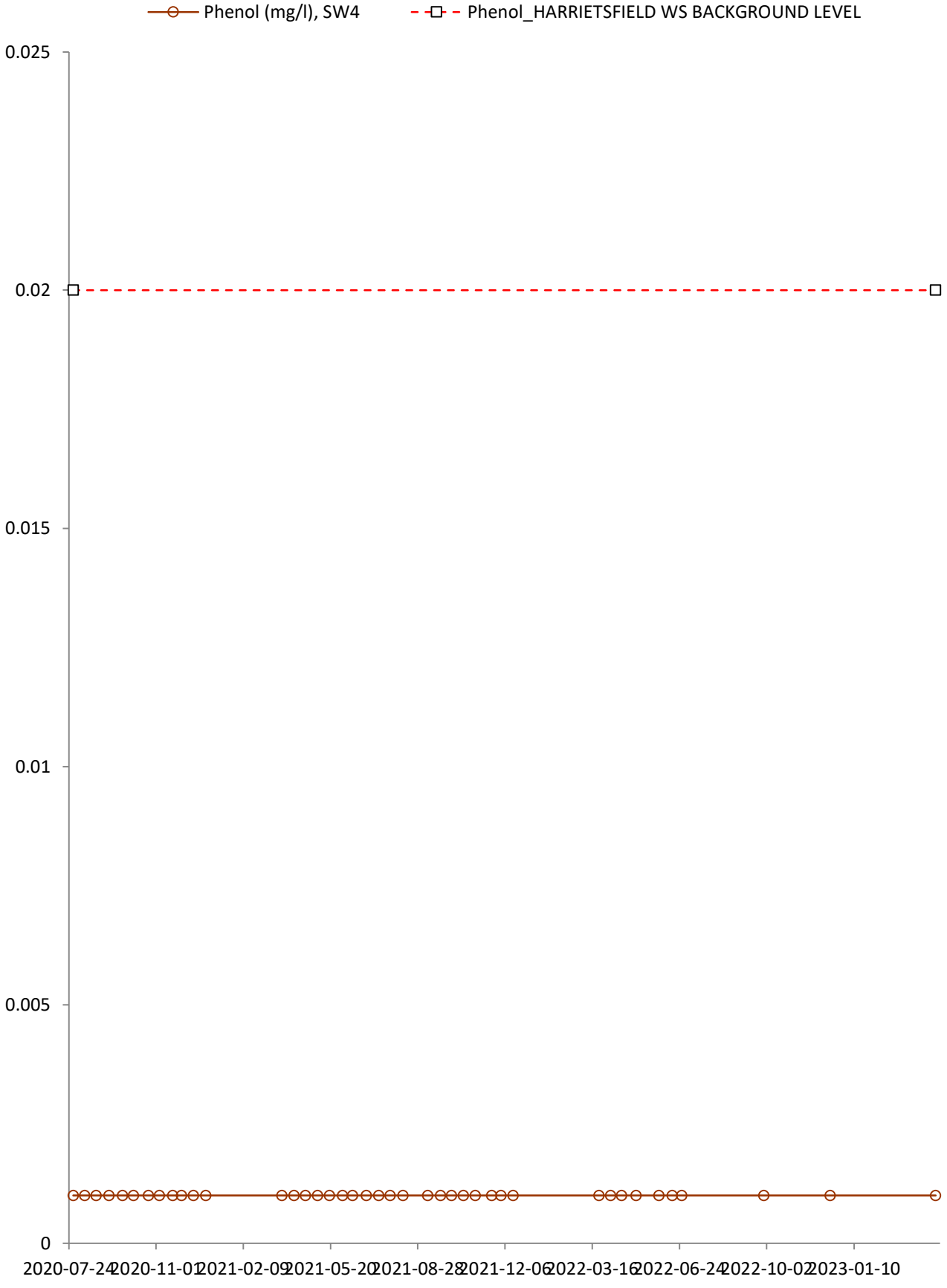


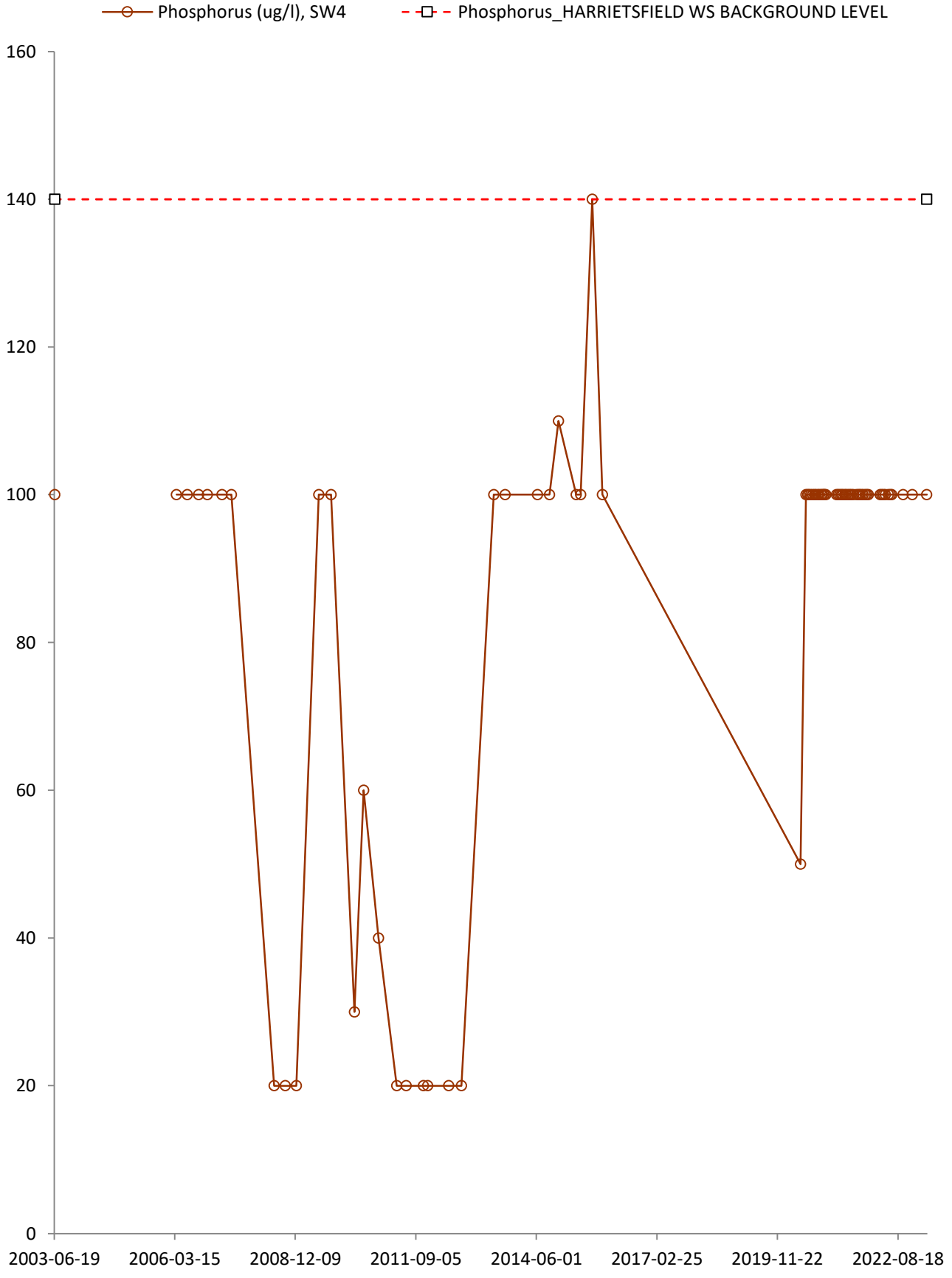


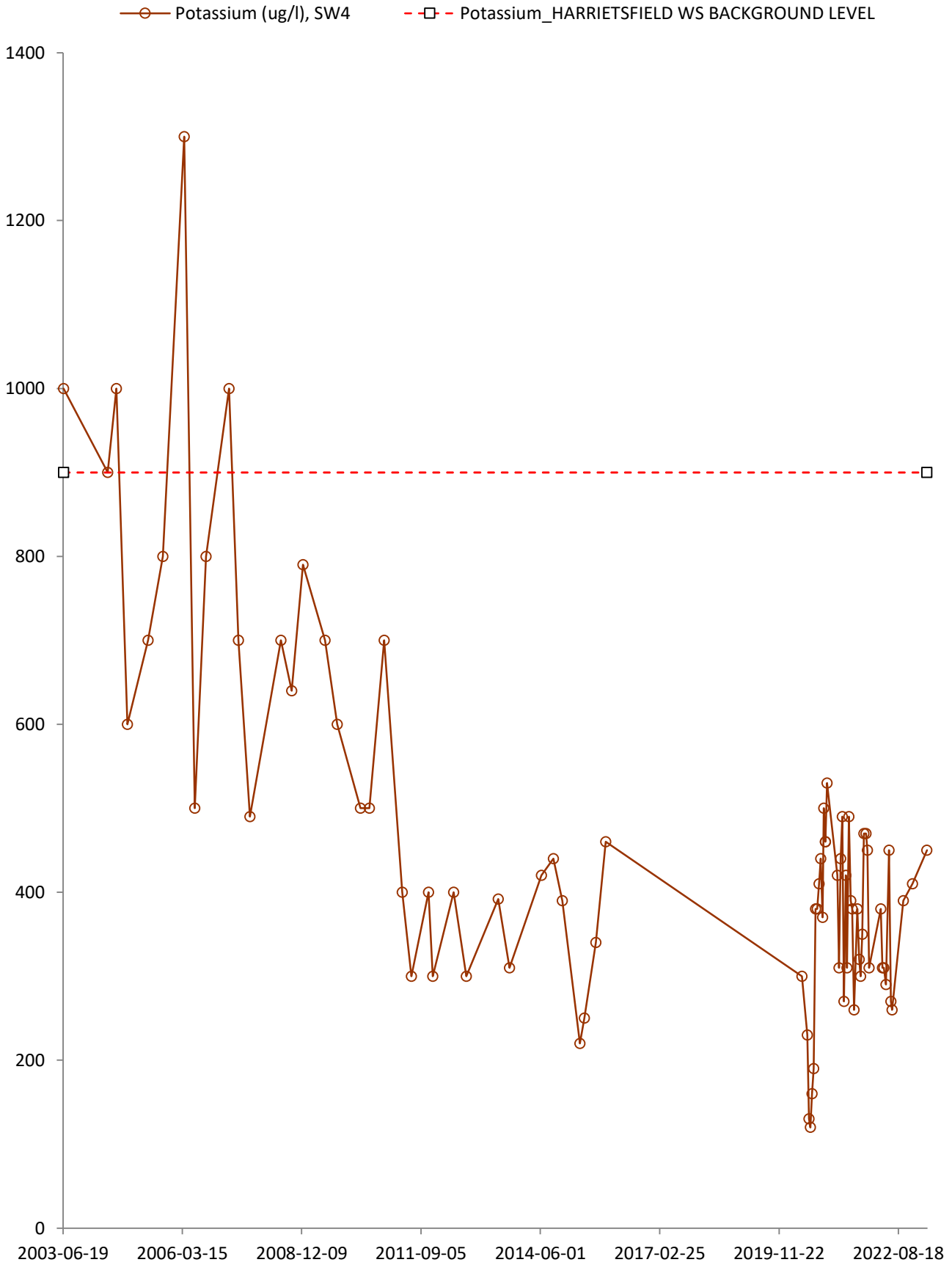
—○— PHC F1 (C6-C10) min BTEX (mg/l), SW4
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WS BACKGROUND LEVEL

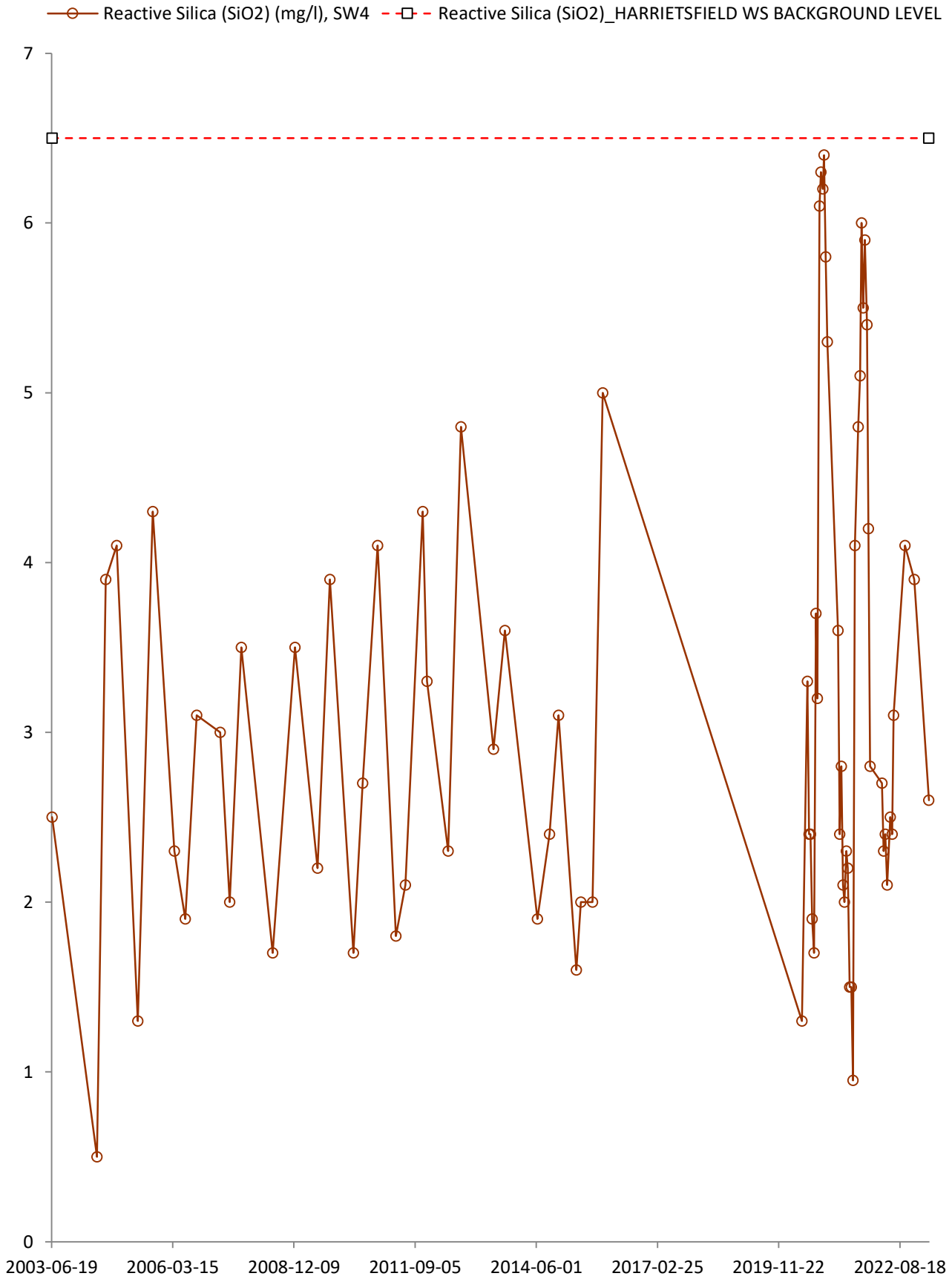




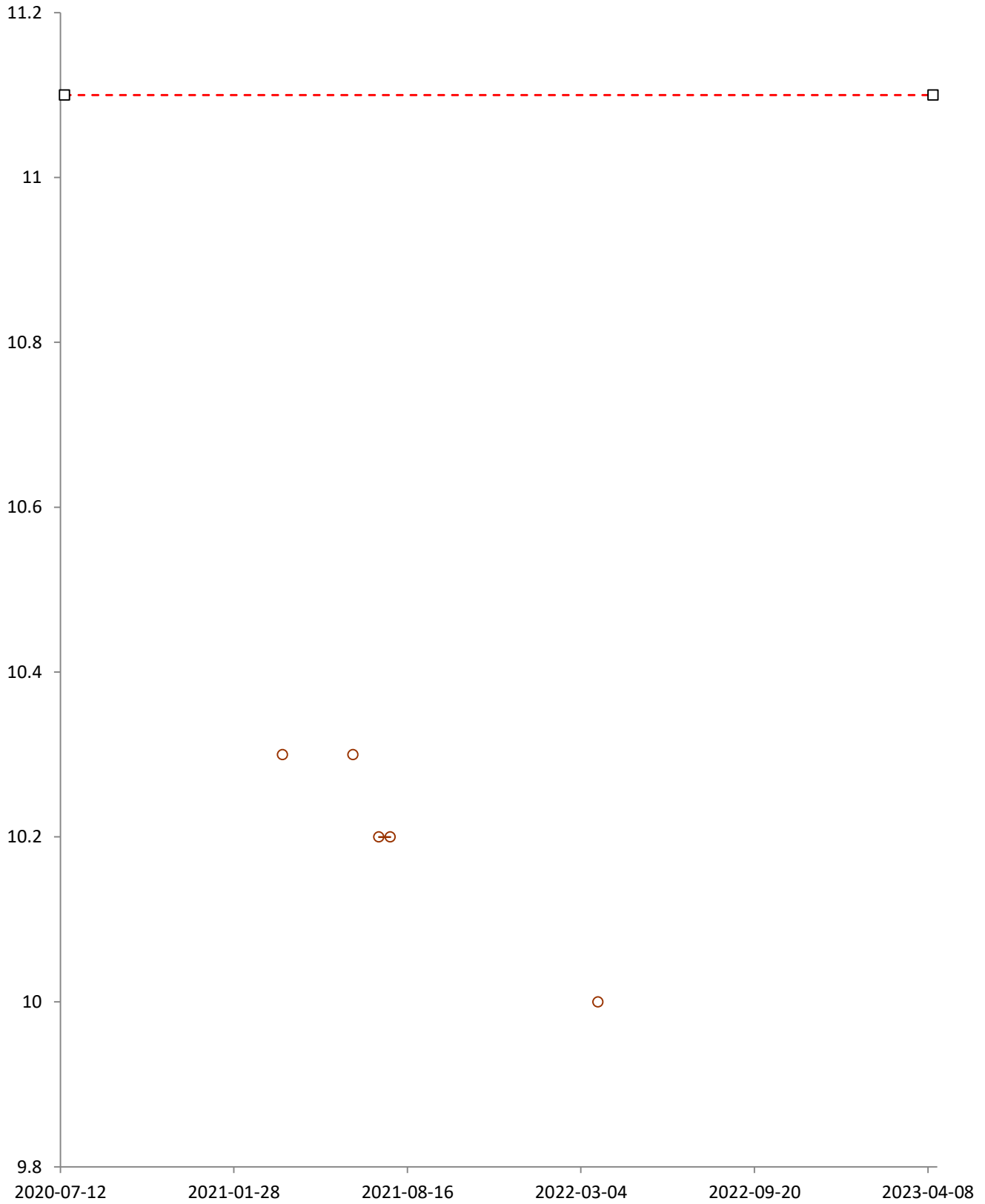


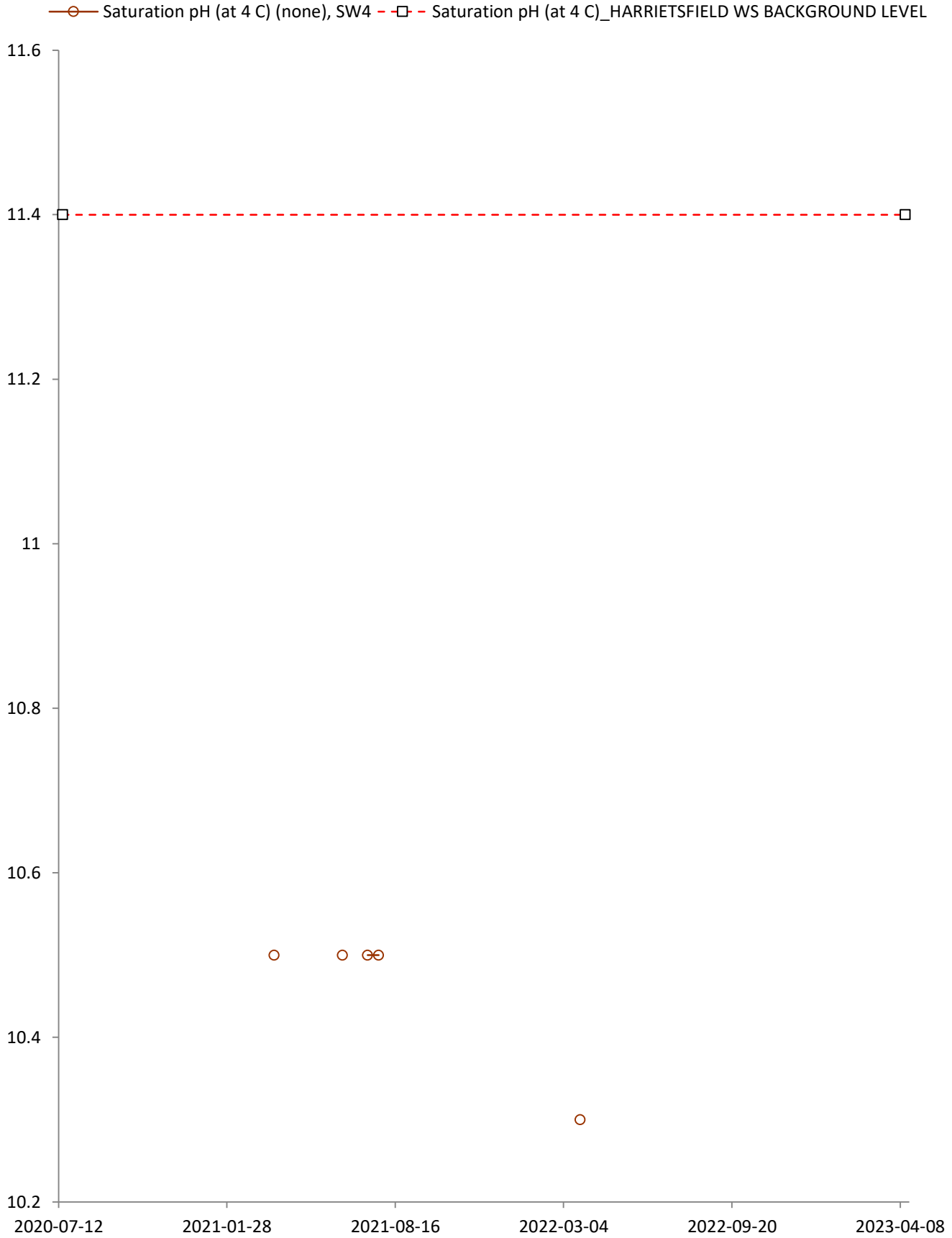


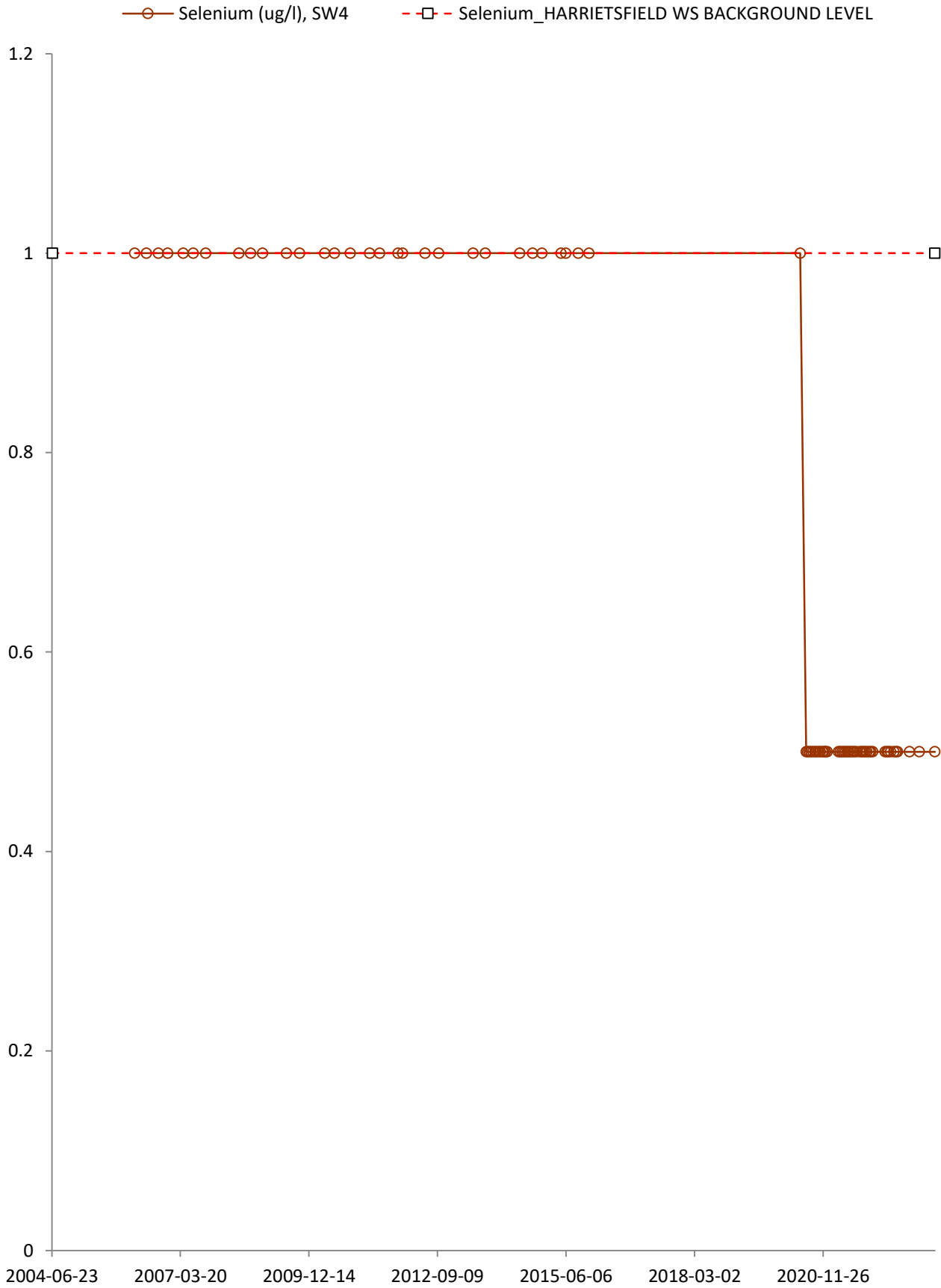


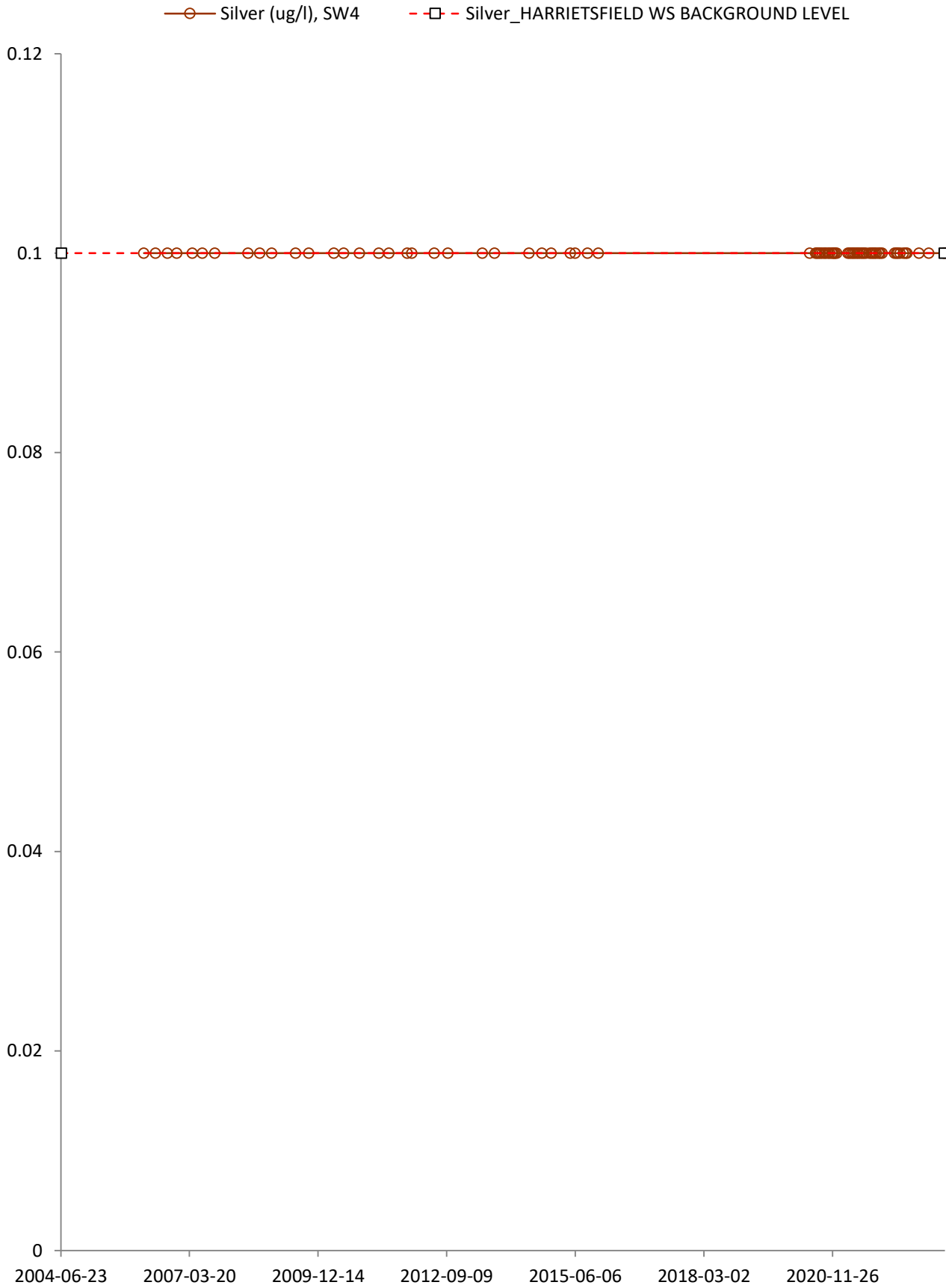


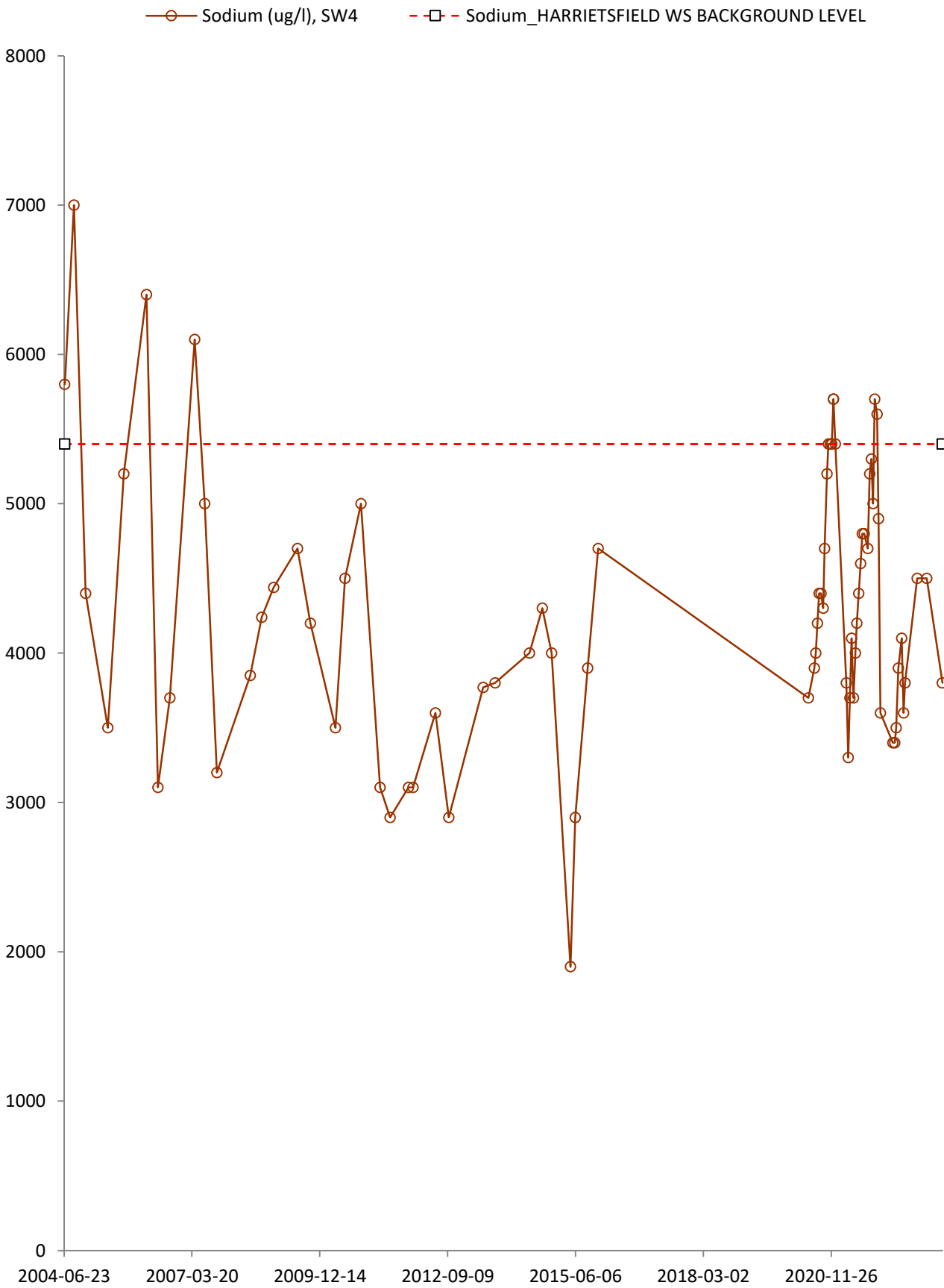
- Saturation pH (at 20 C) (none), SW4
- -□- - Saturation pH (at 20 C)_HARRIETSFIELD WS BACKGROUND LEVEL

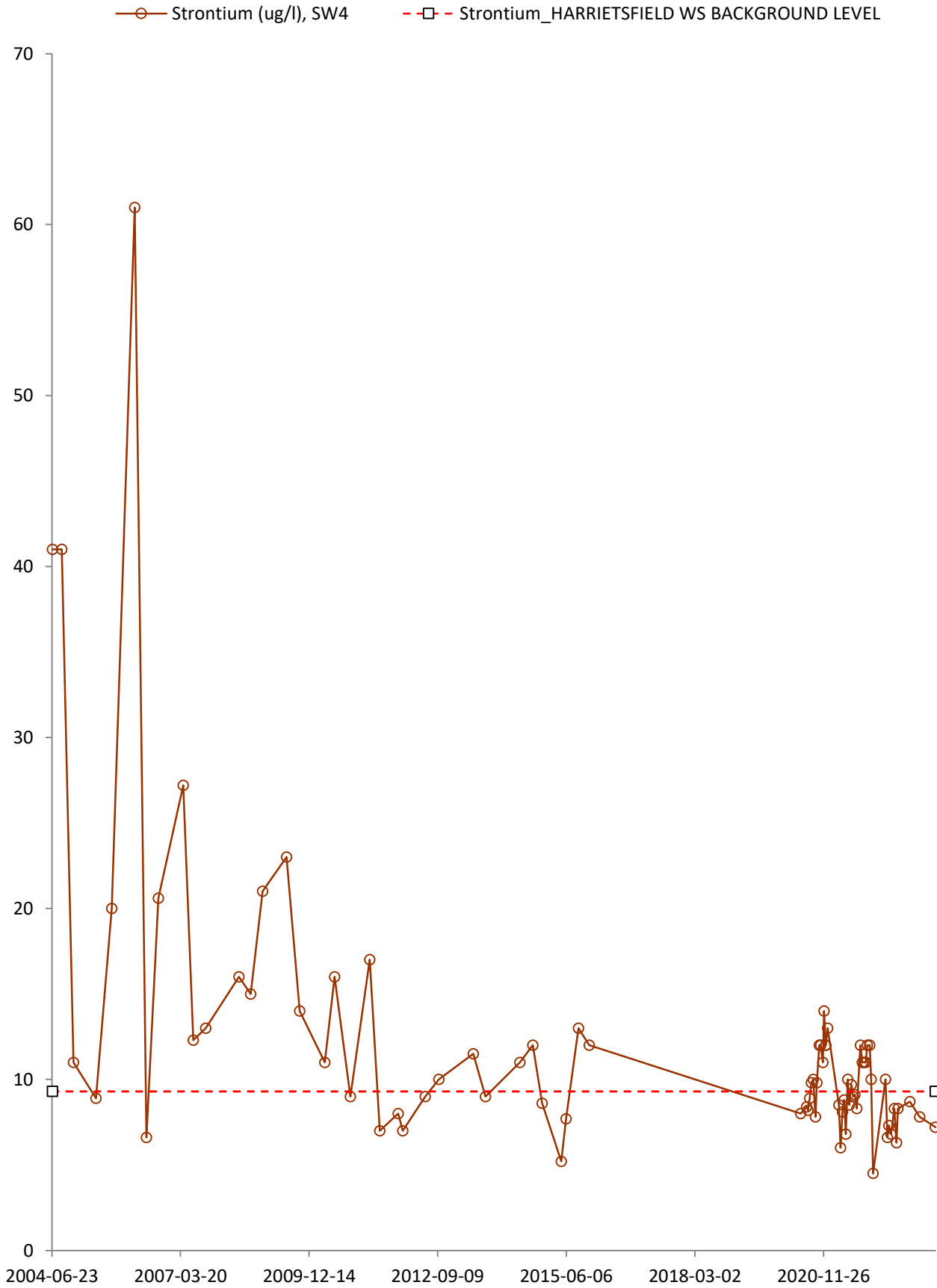


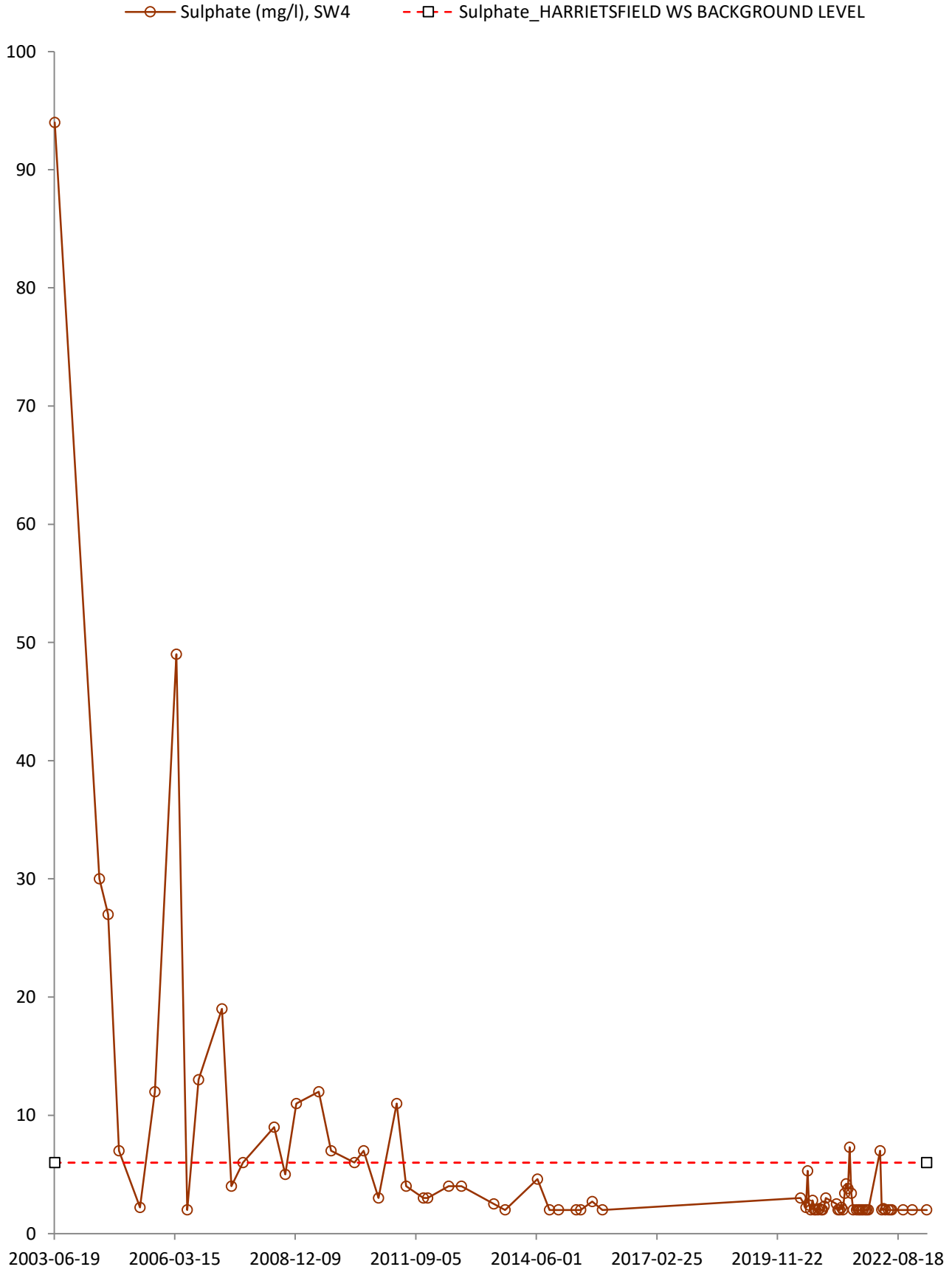


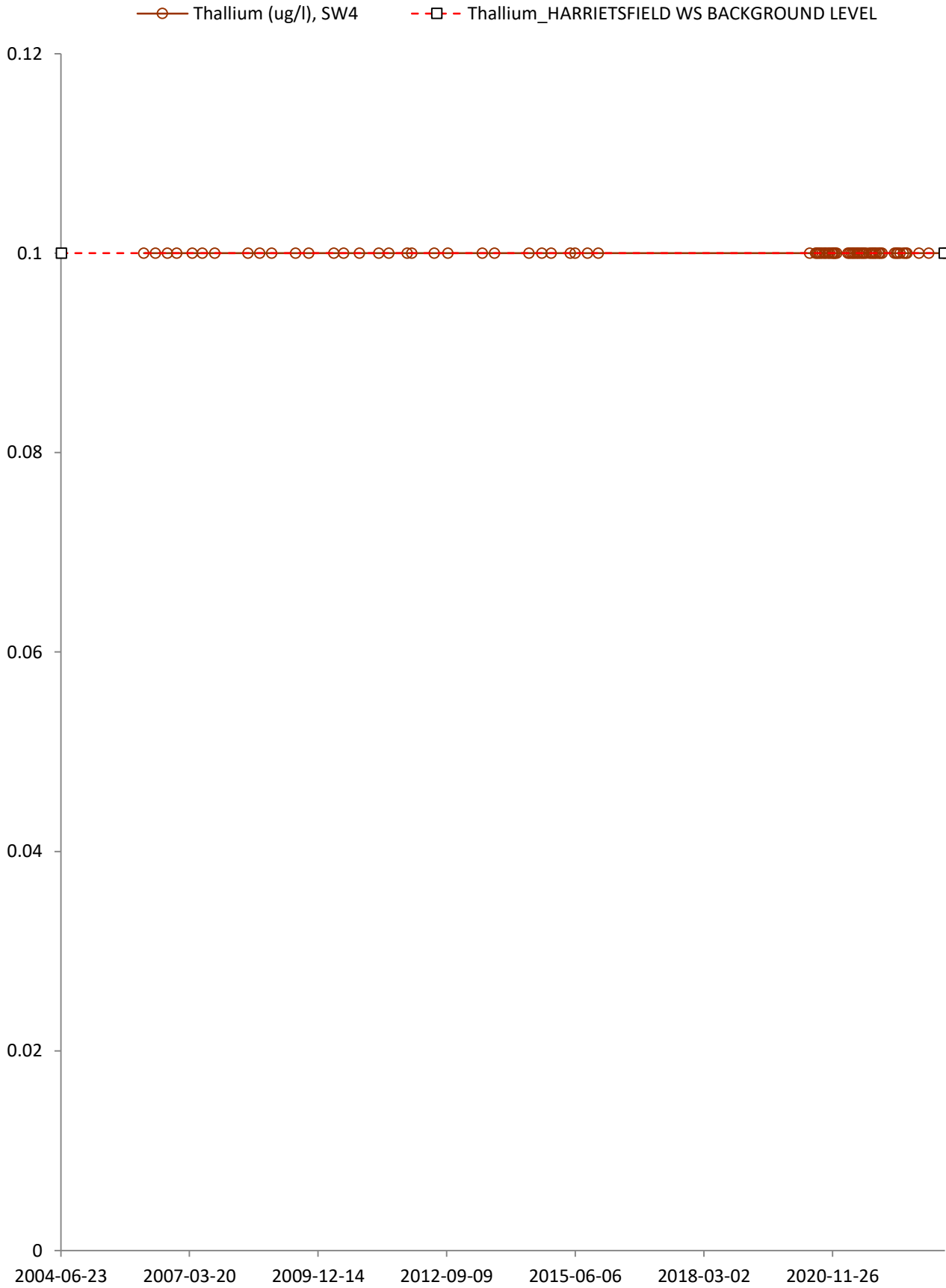




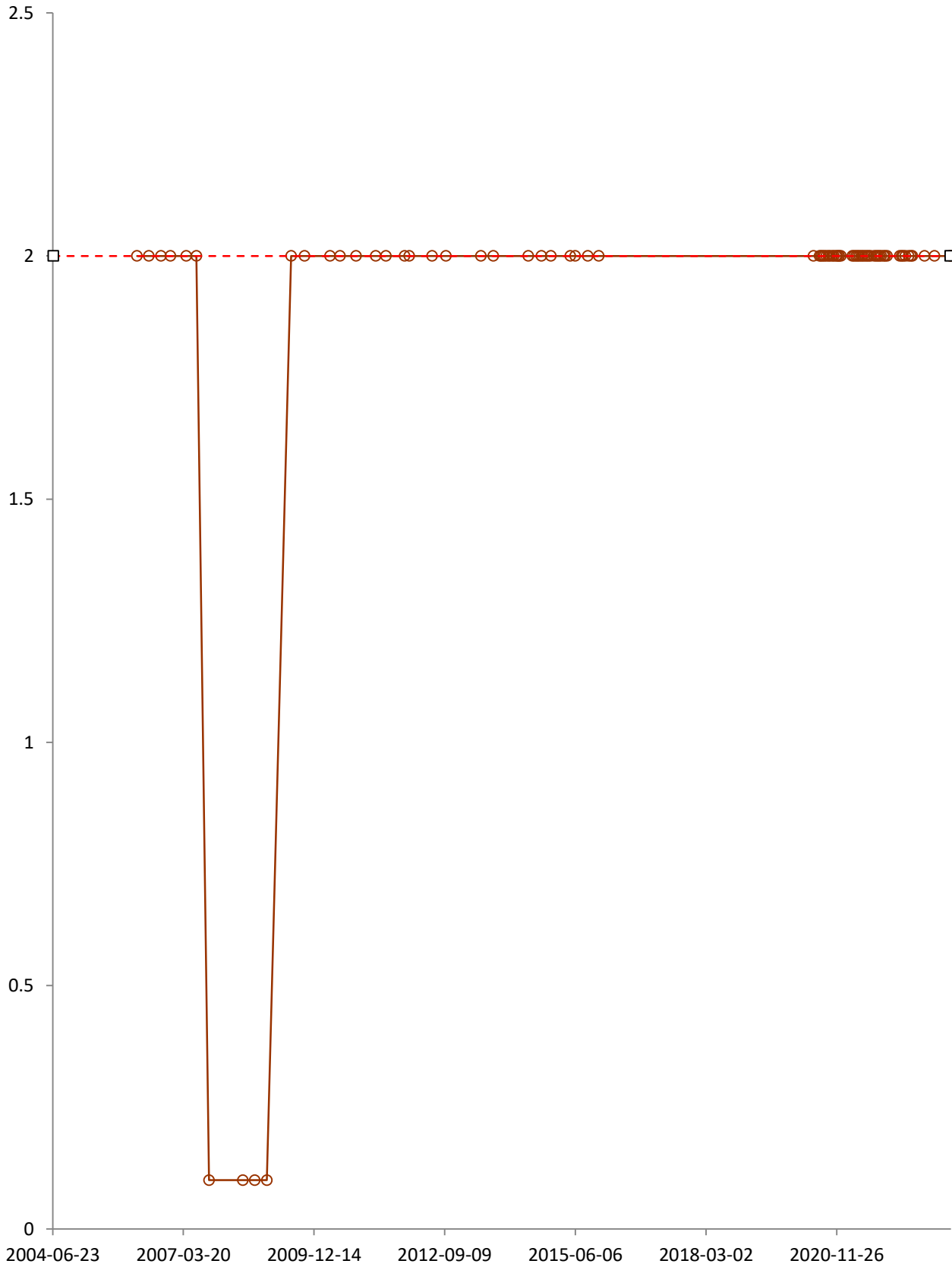




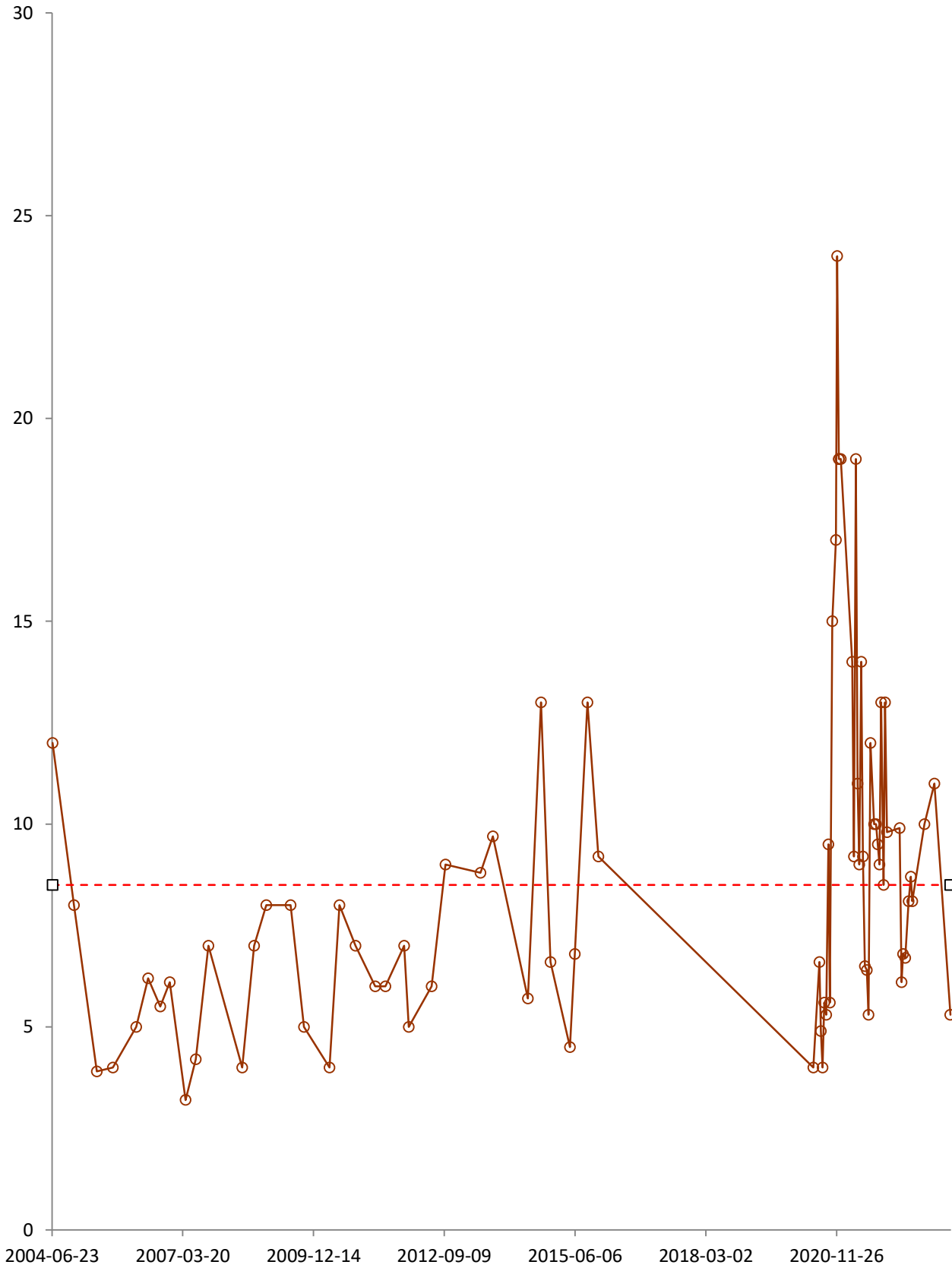


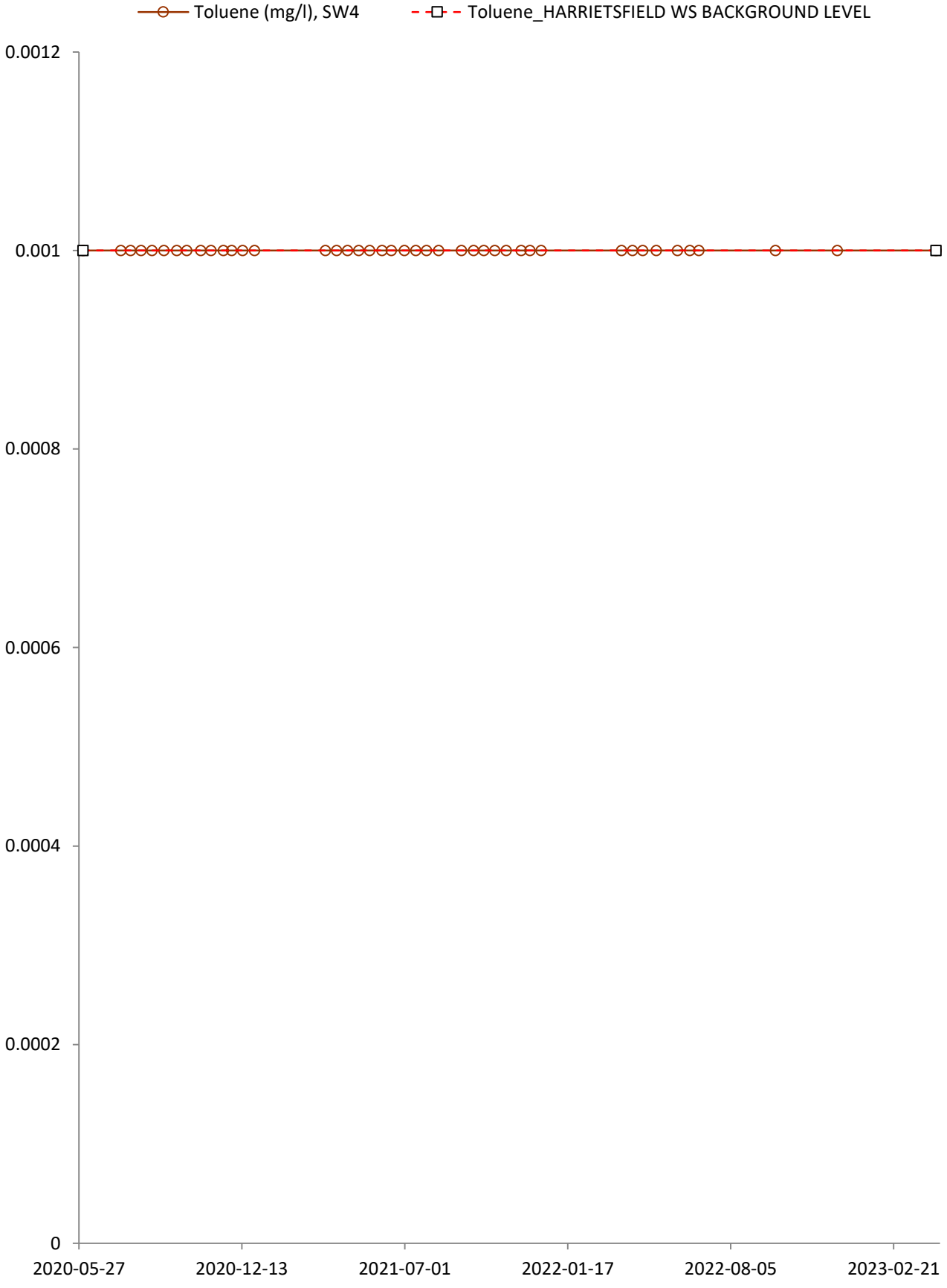


Tin (ug/l), SW4 Tin_HARRIETSFIELD WS BACKGROUND LEVEL

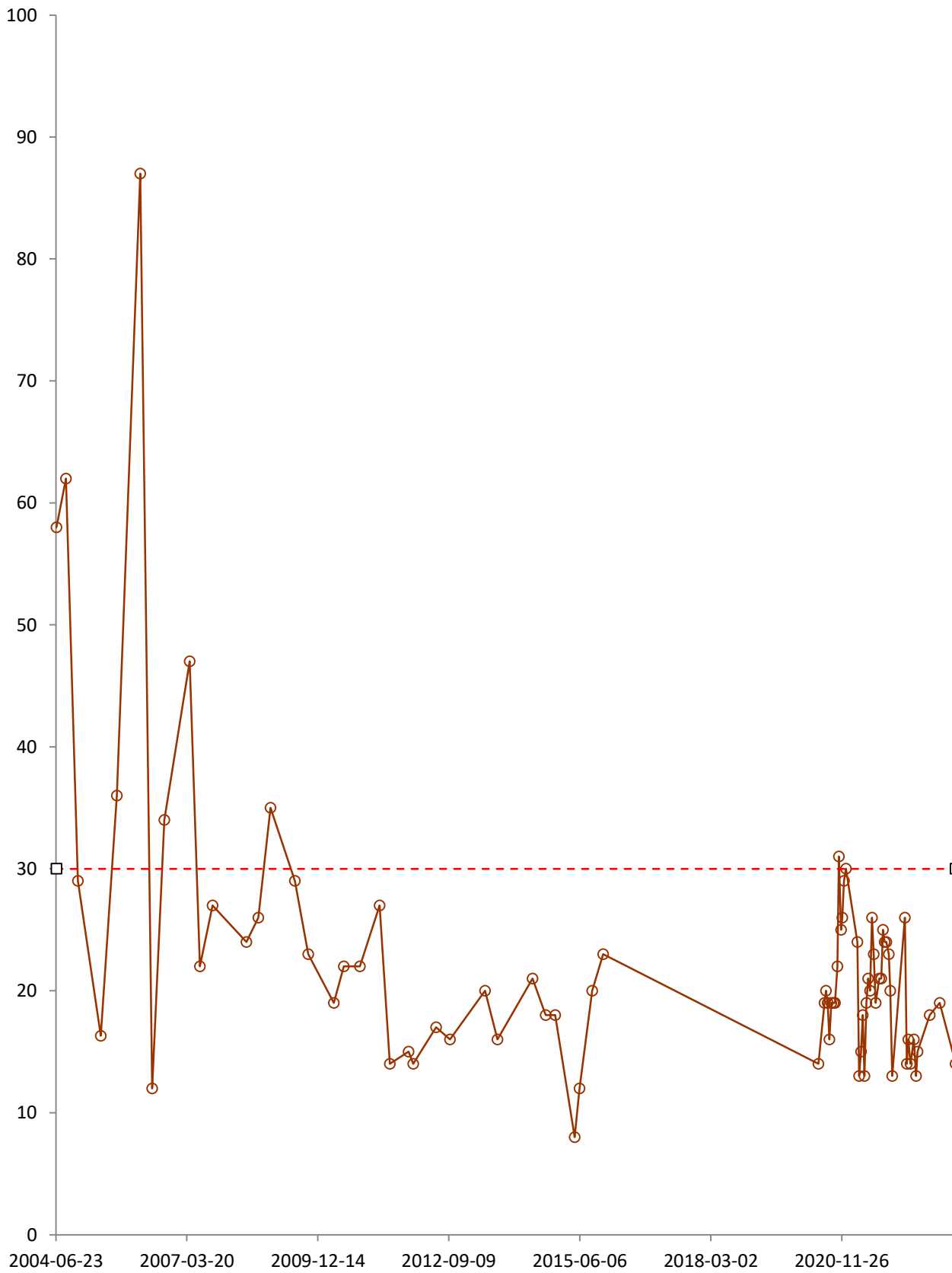


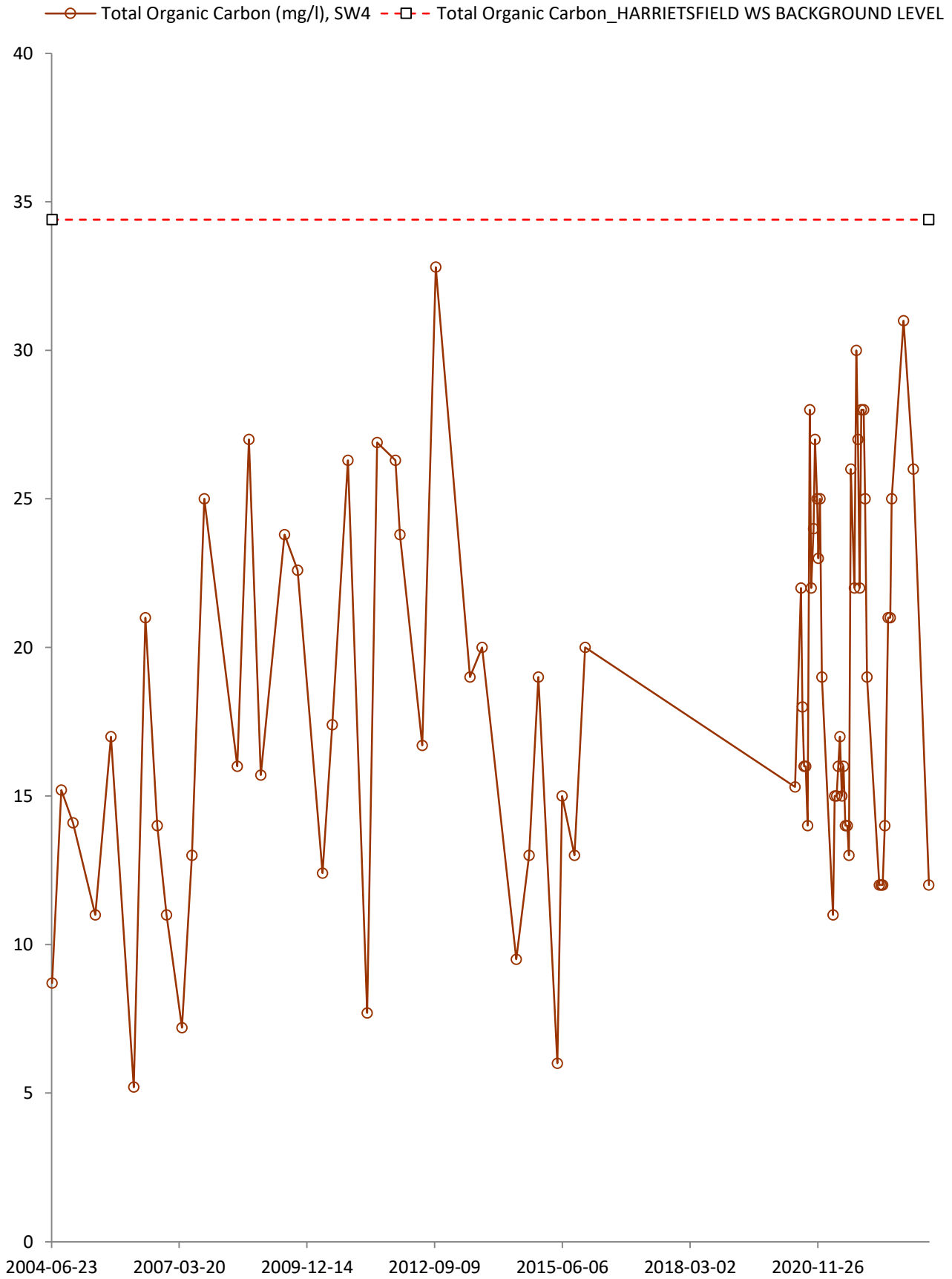
—○— Titanium (ug/l), SW4 - -□- - Titanium_HARRIETSFIELD WS BACKGROUND LEVEL



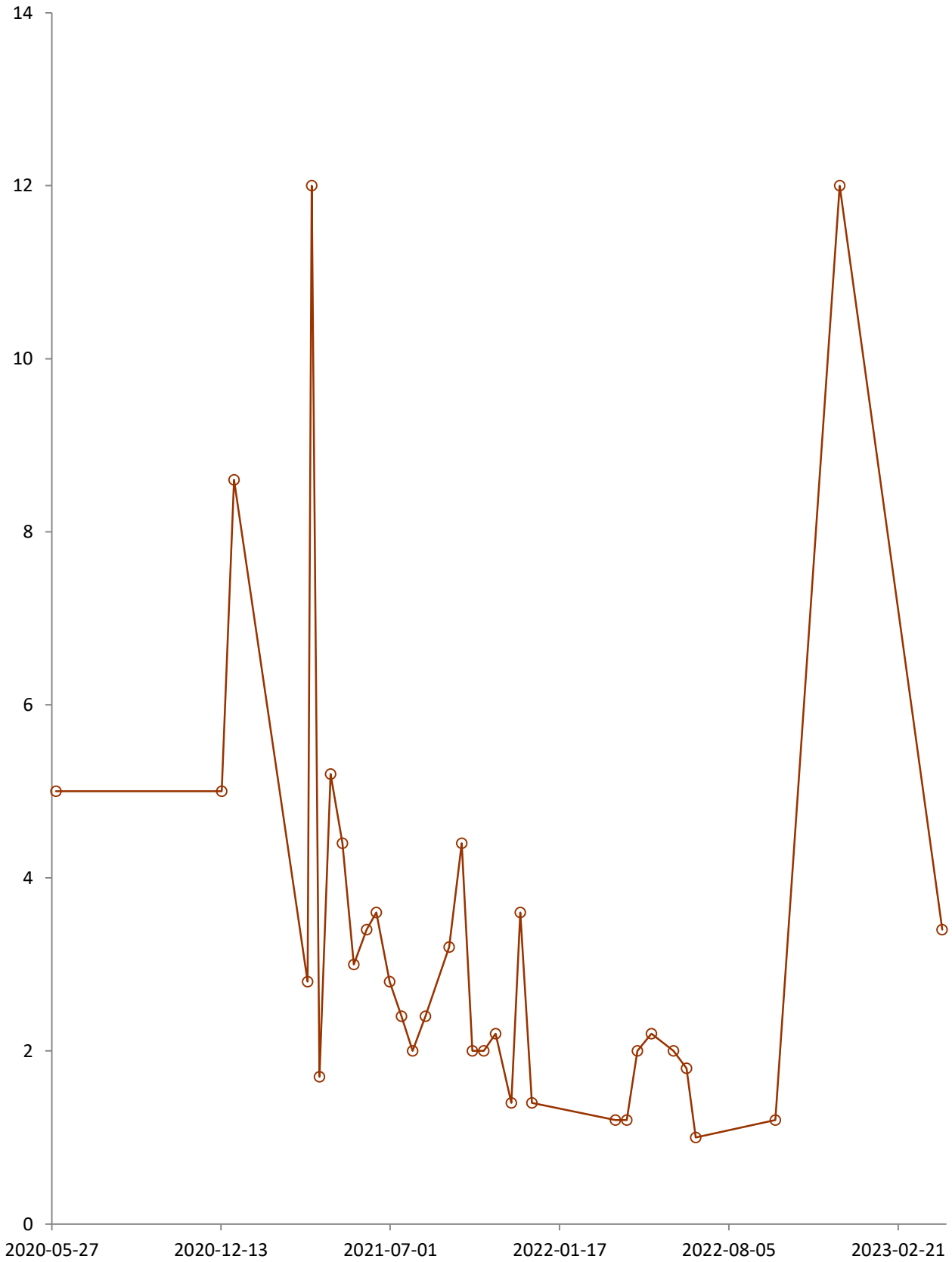


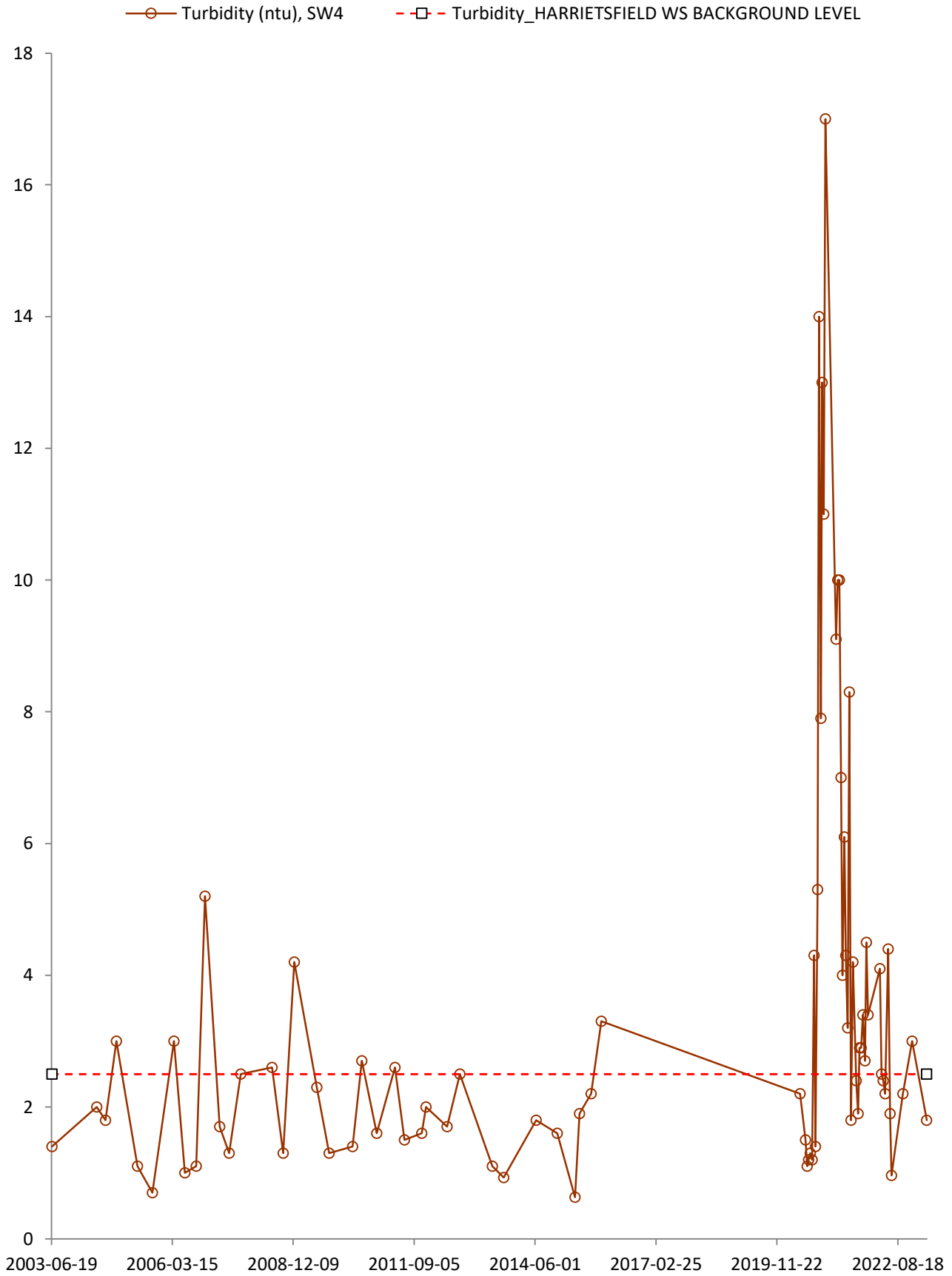
—○— Total Diss Solids (Lab) (mg/l), SW4 - -□- - Total Diss Solids (Lab)_HARRIETSFIELD WS BACKGROUND LEVEL

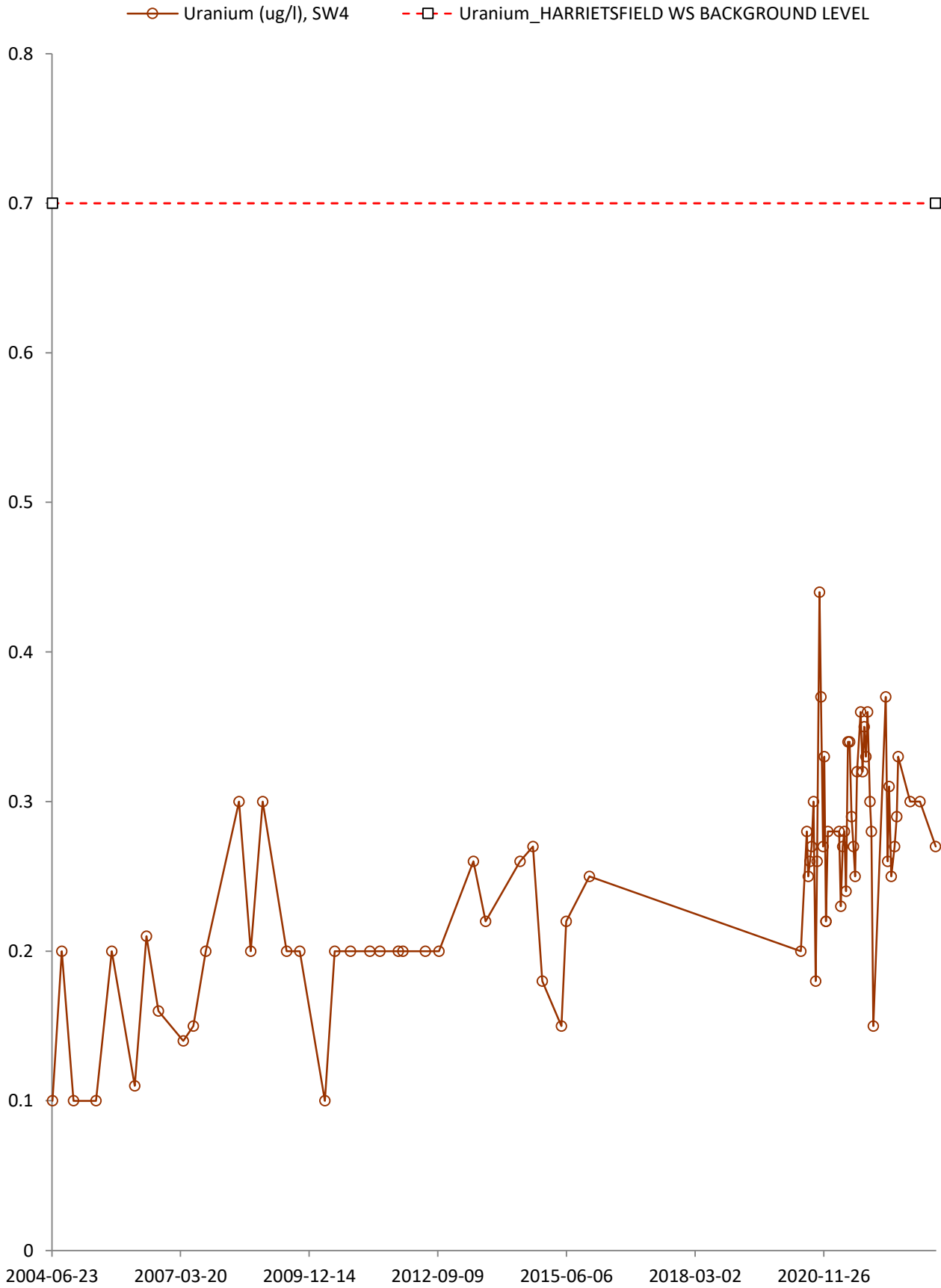


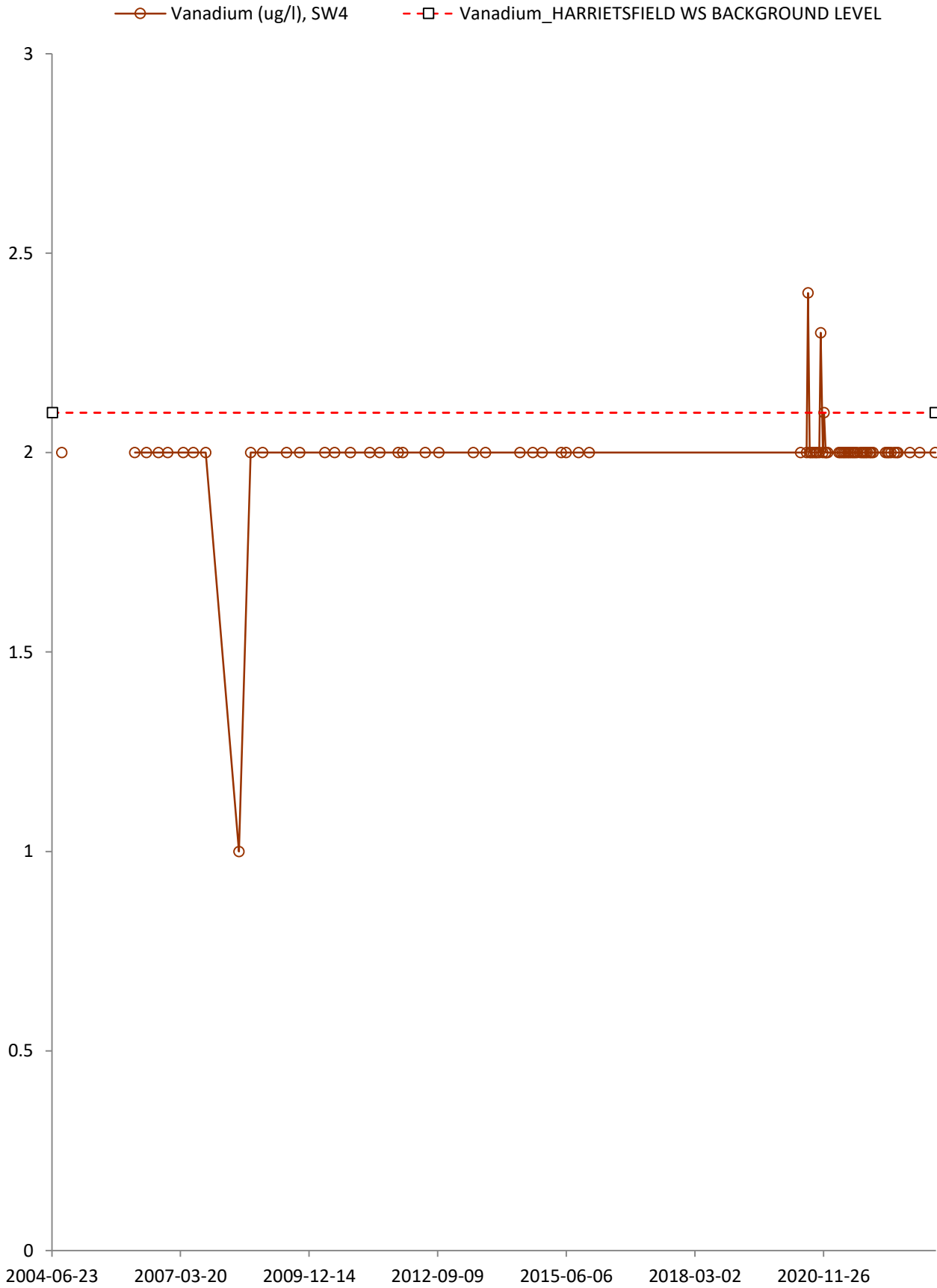


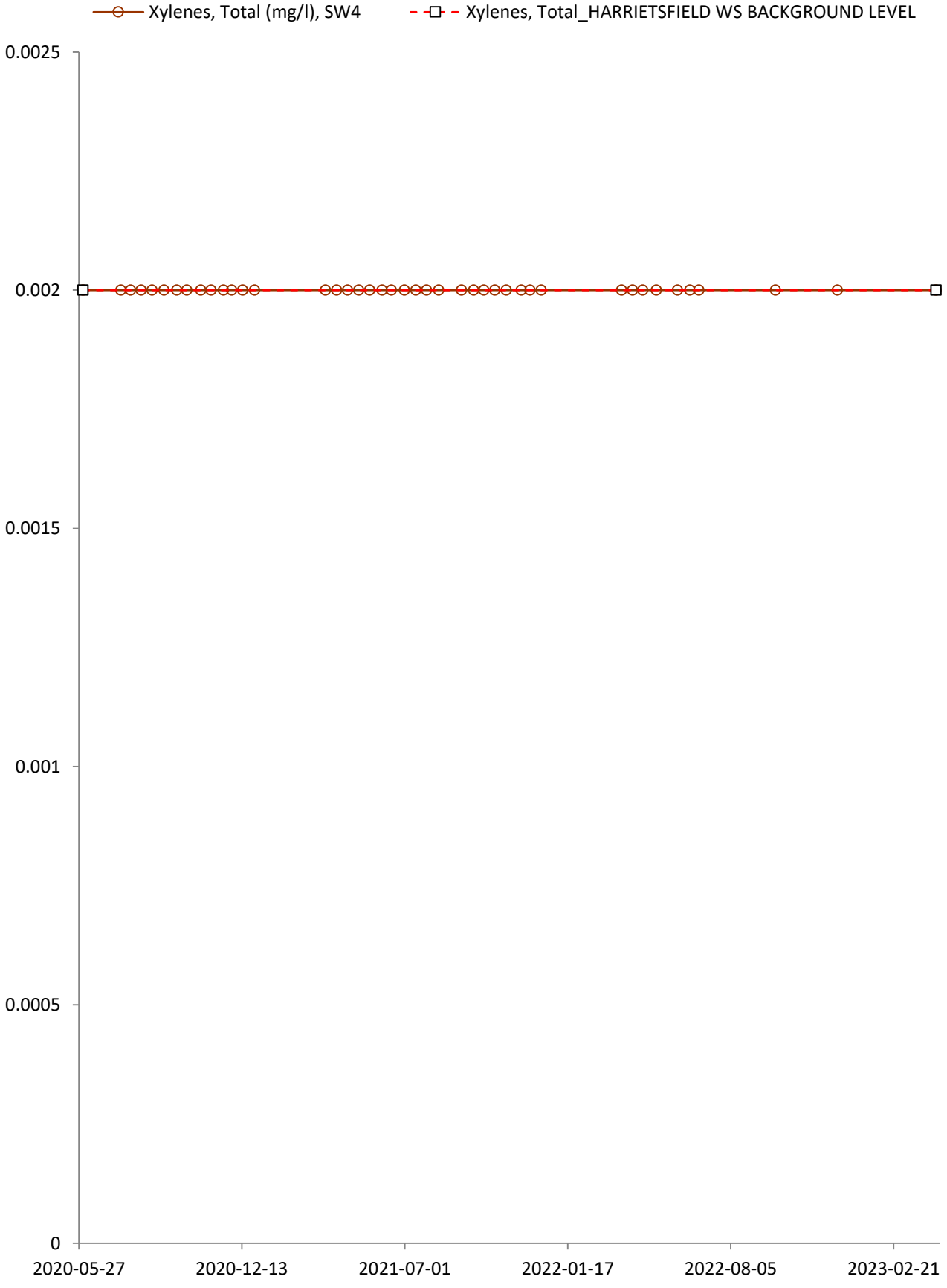
—○— Total Suspended Solids (mg/l), SW4

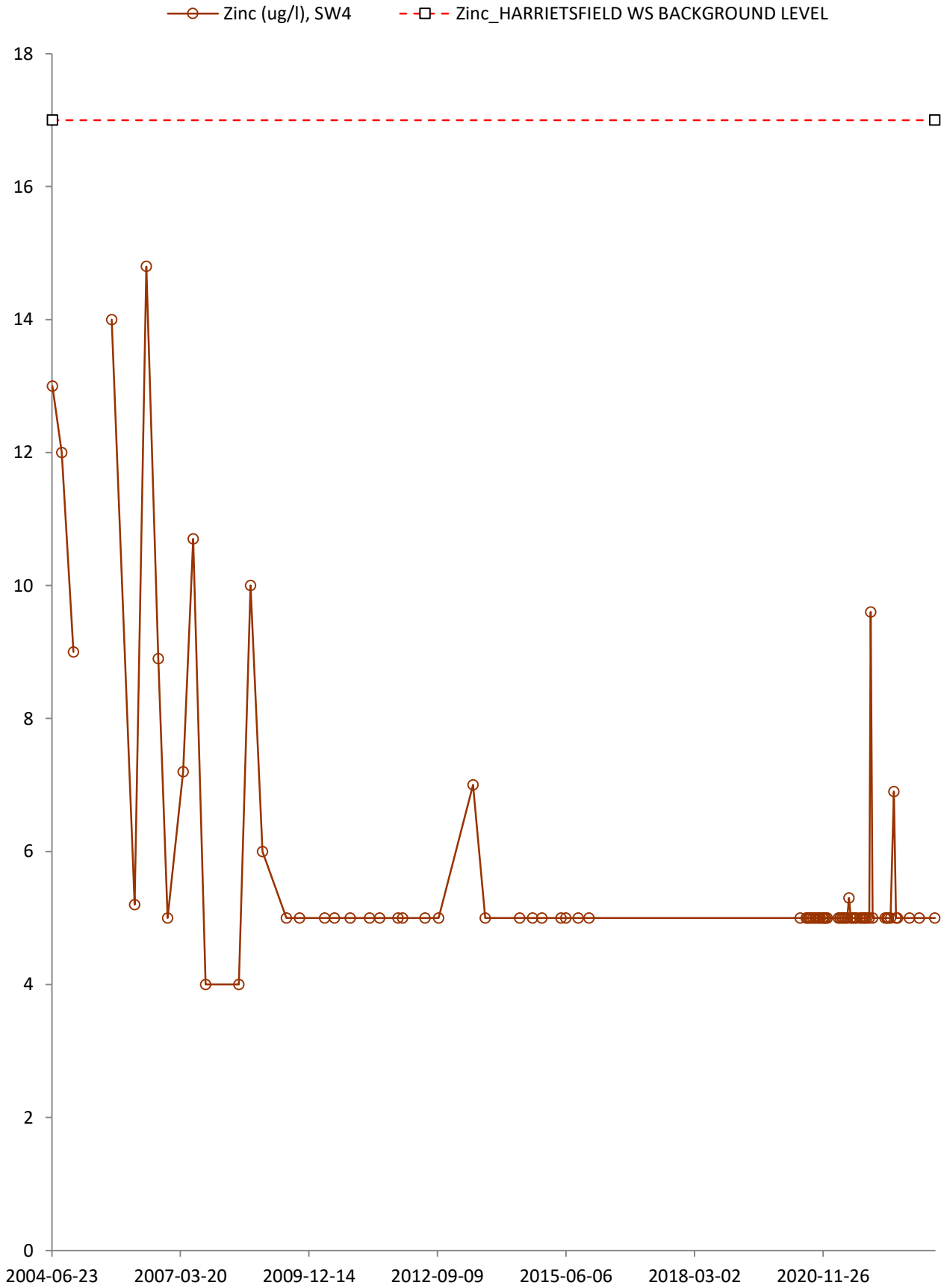




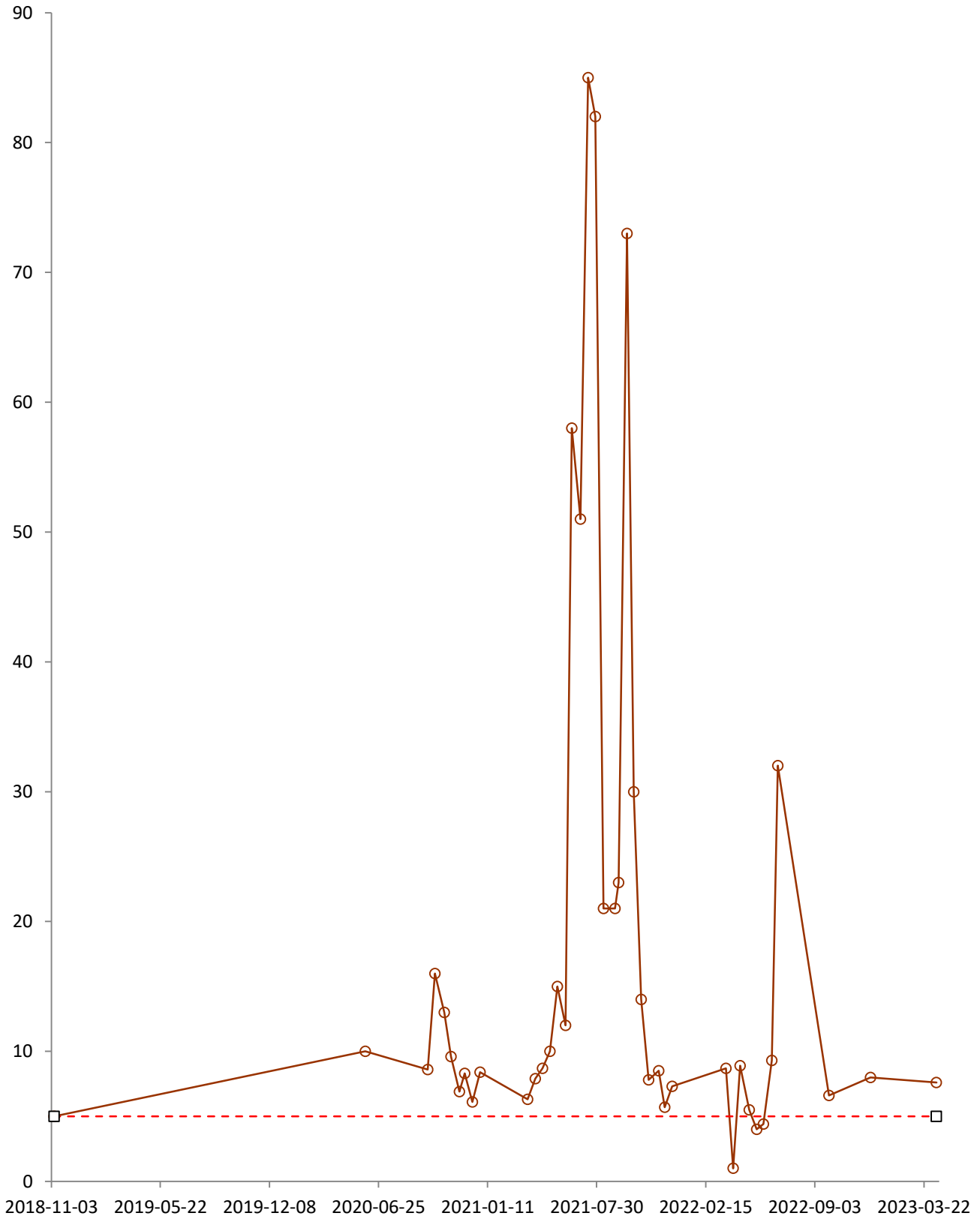


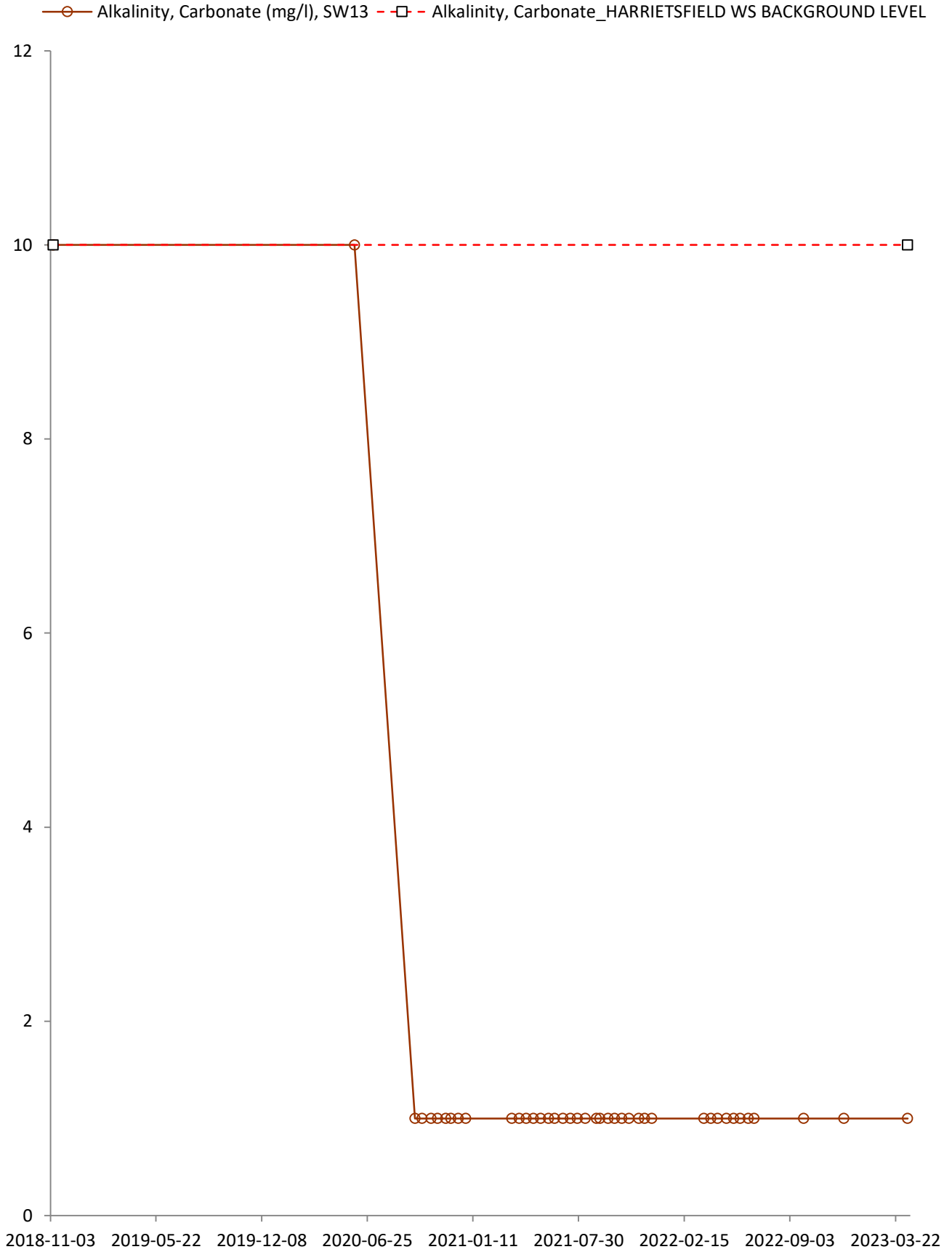


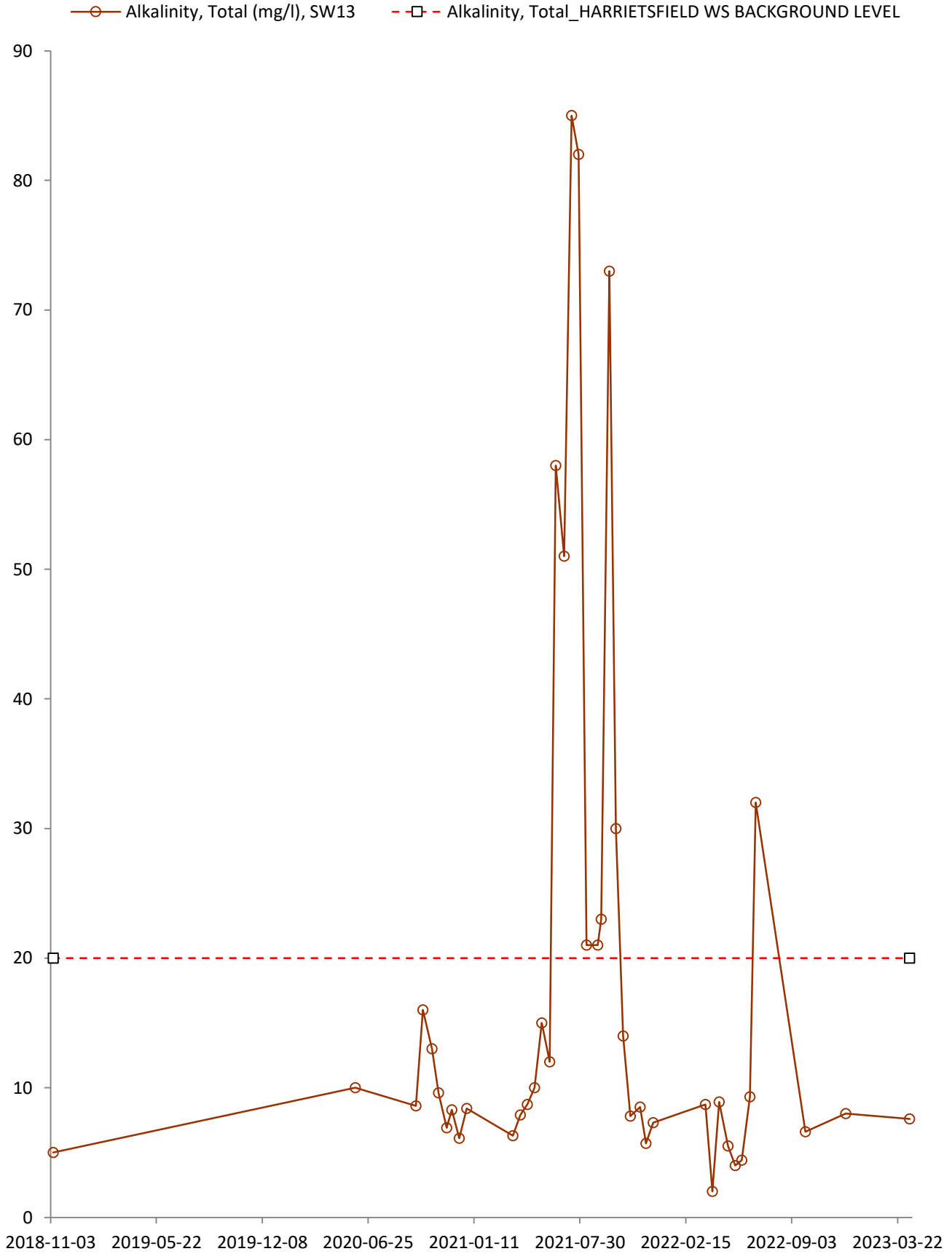


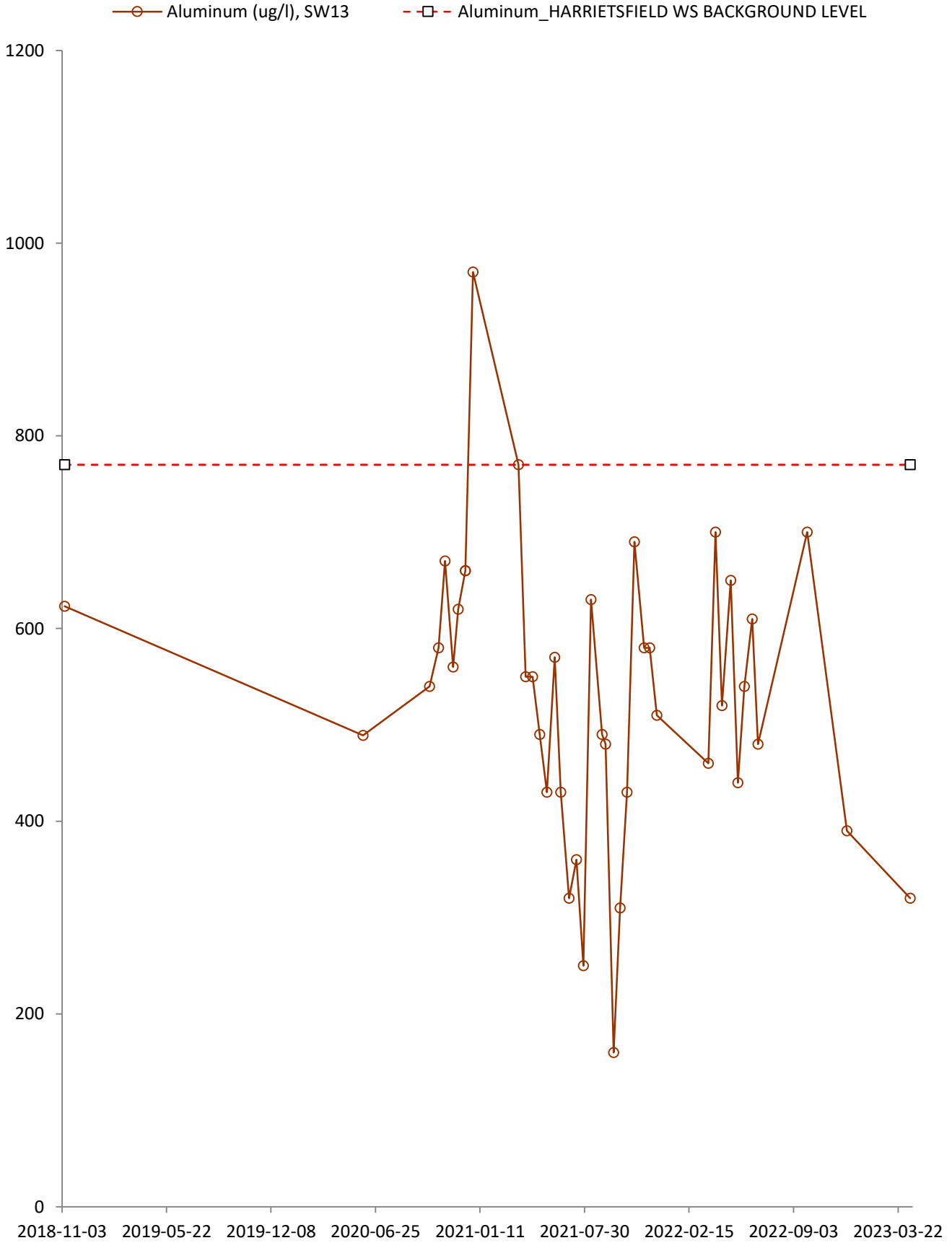


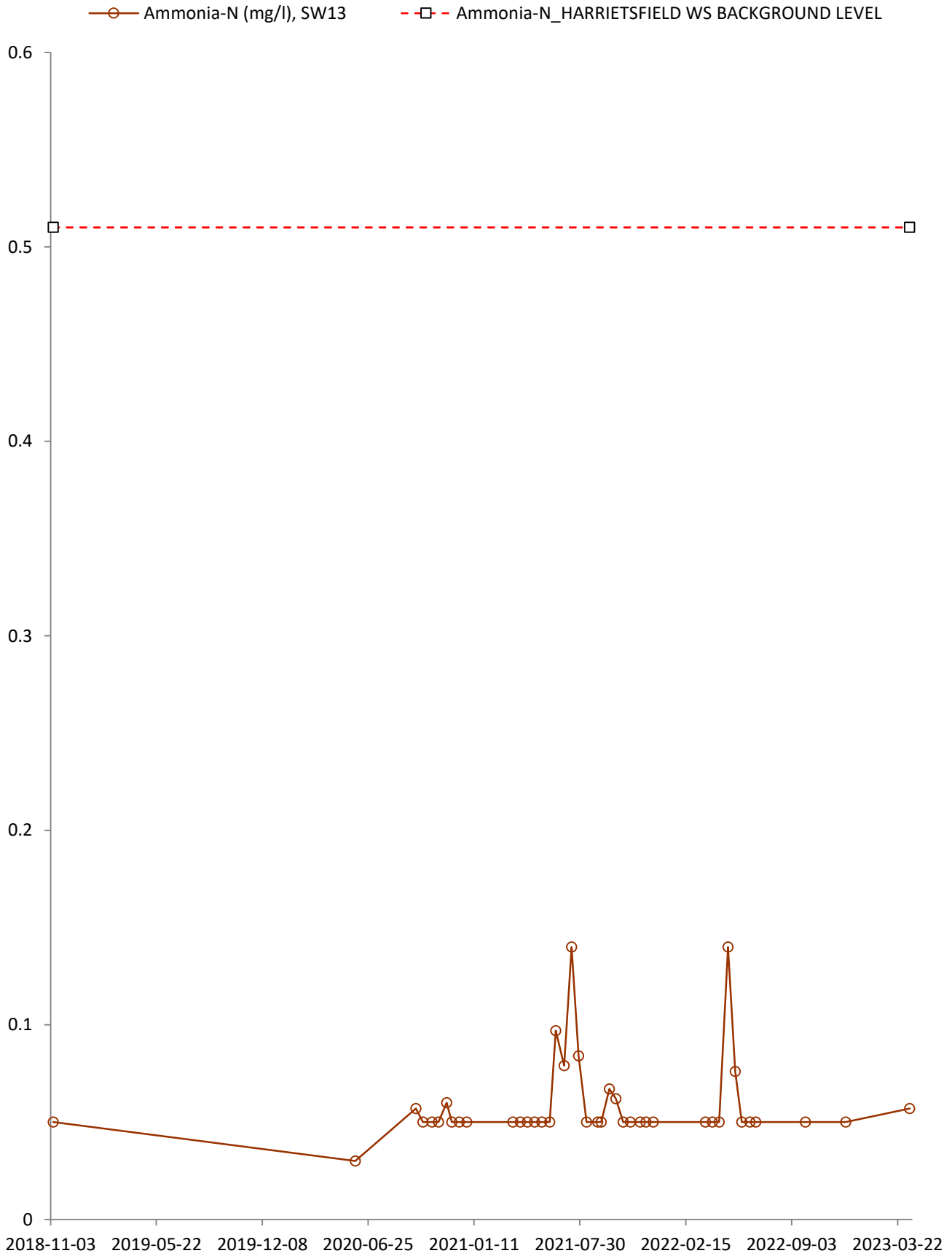
- Alkalinity, Bicarbonate (mg/l), SW13
- -□- - Alkalinity, Bicarbonate_HARRIETSFIELD WS BACKGROUND LEVEL

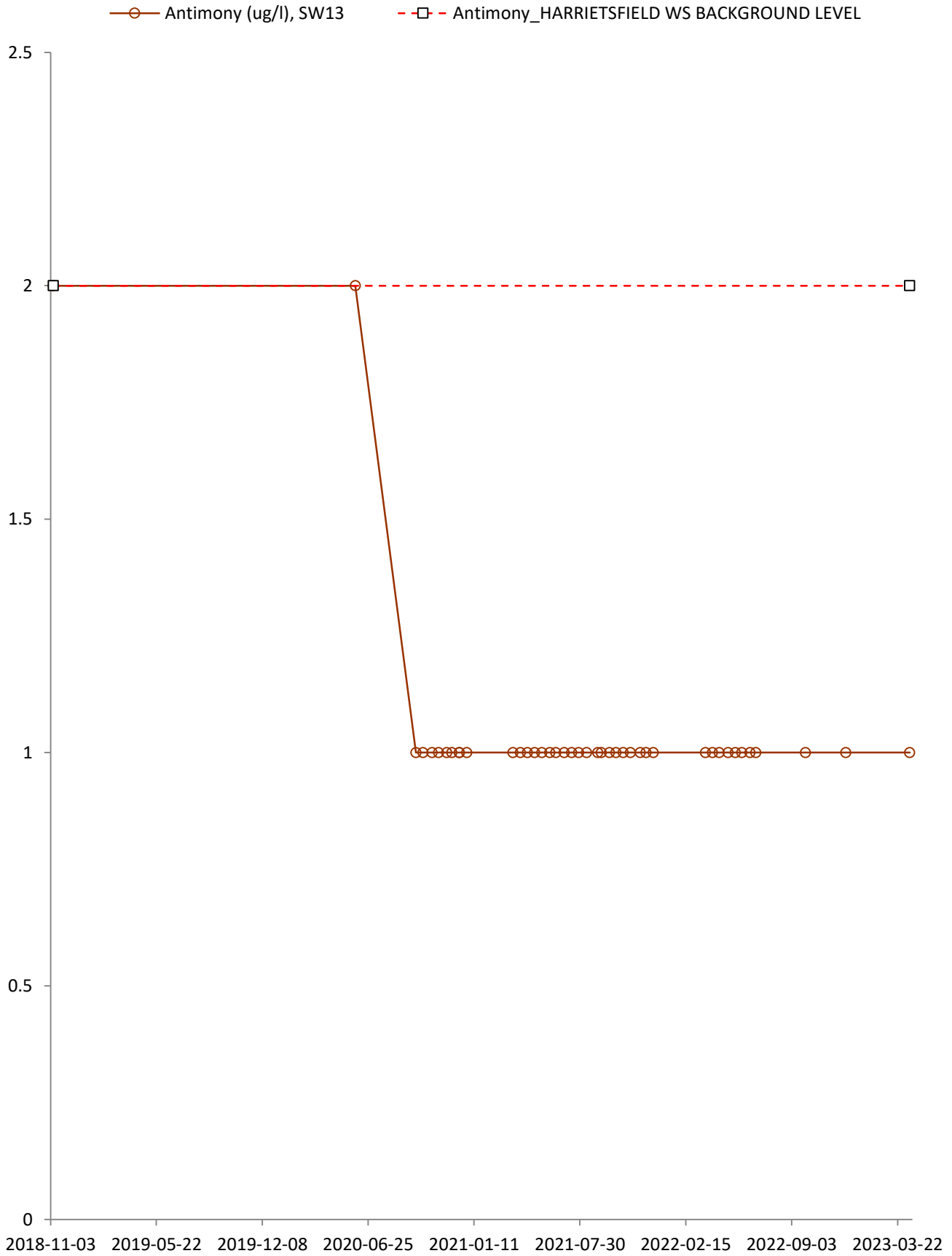


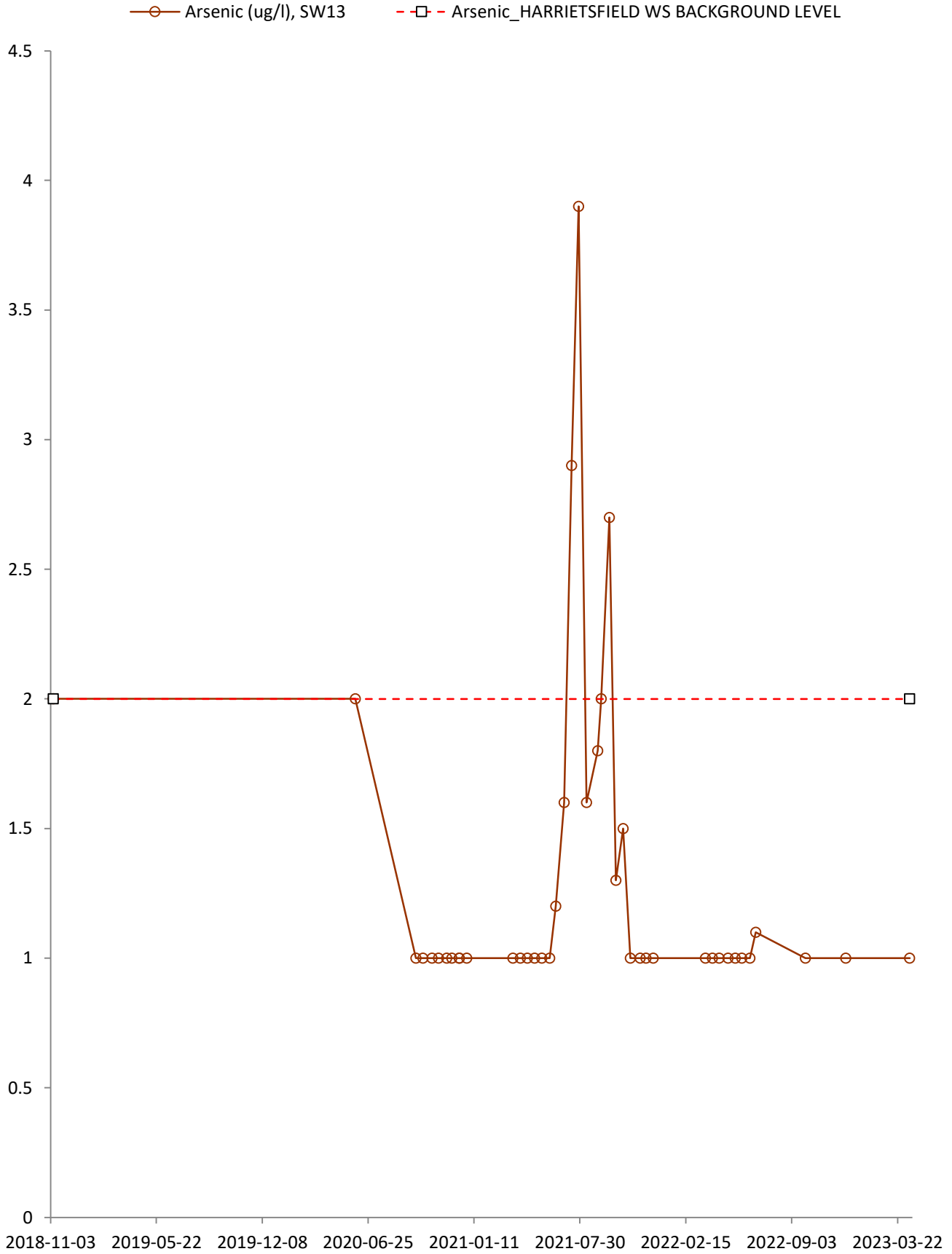


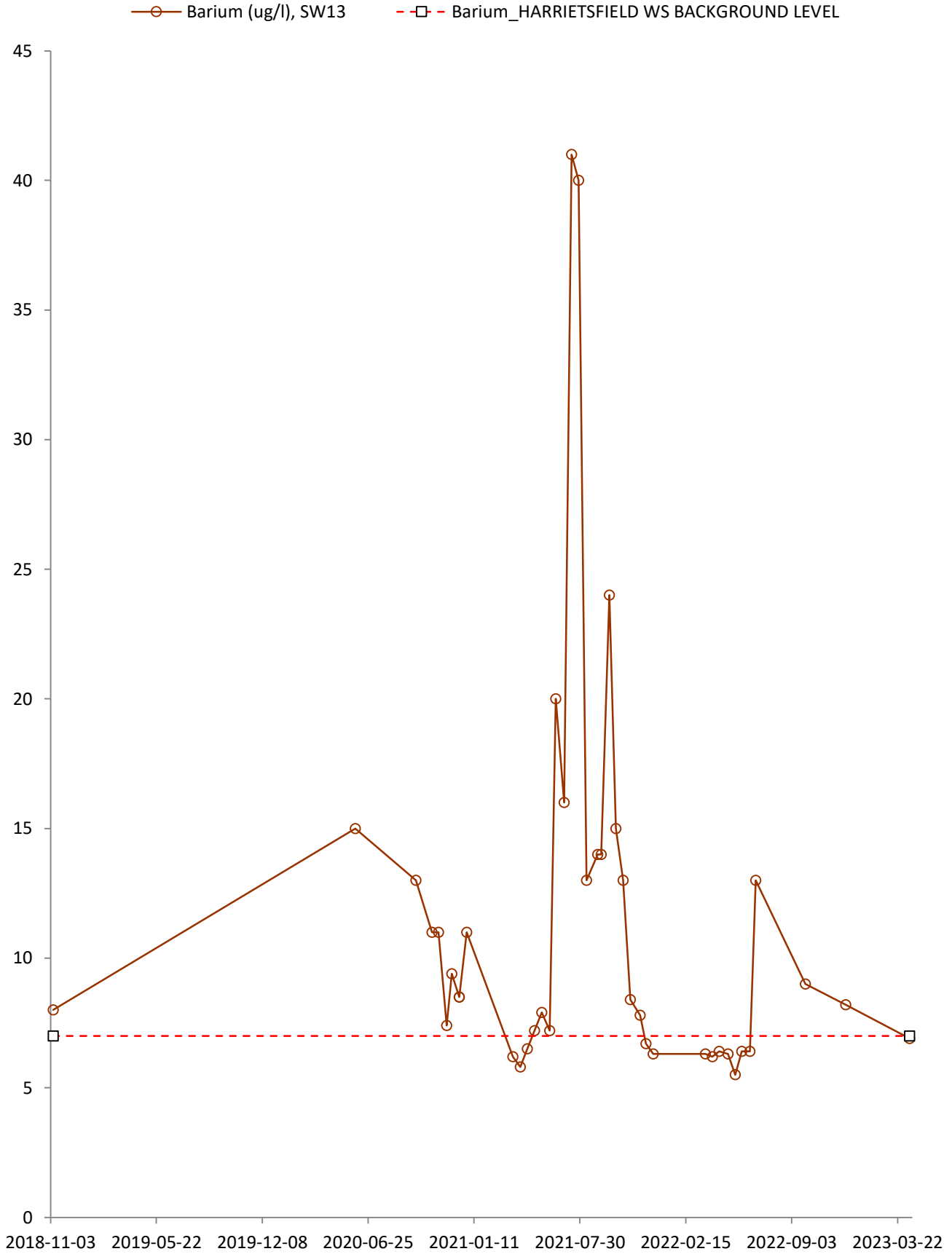


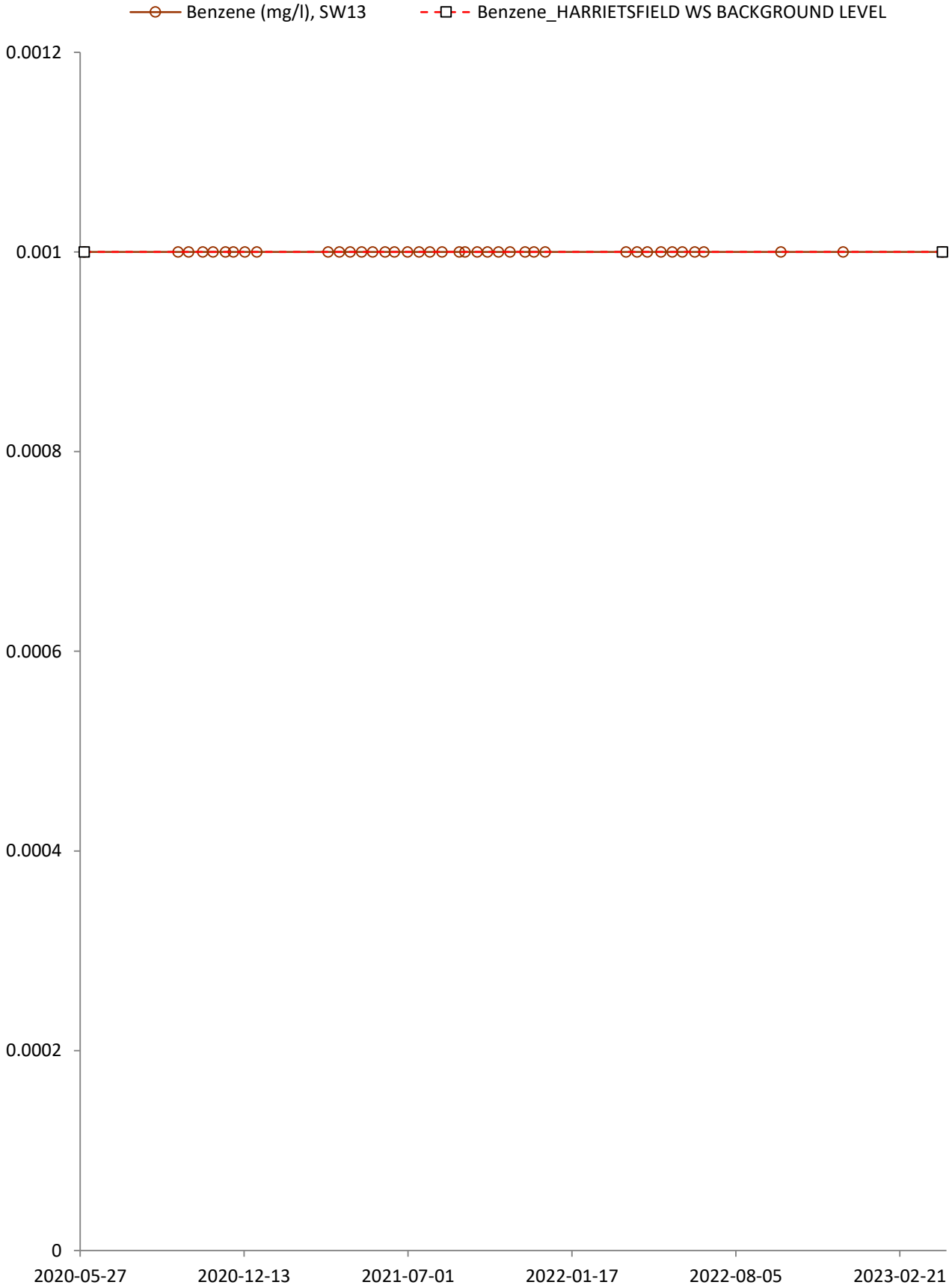


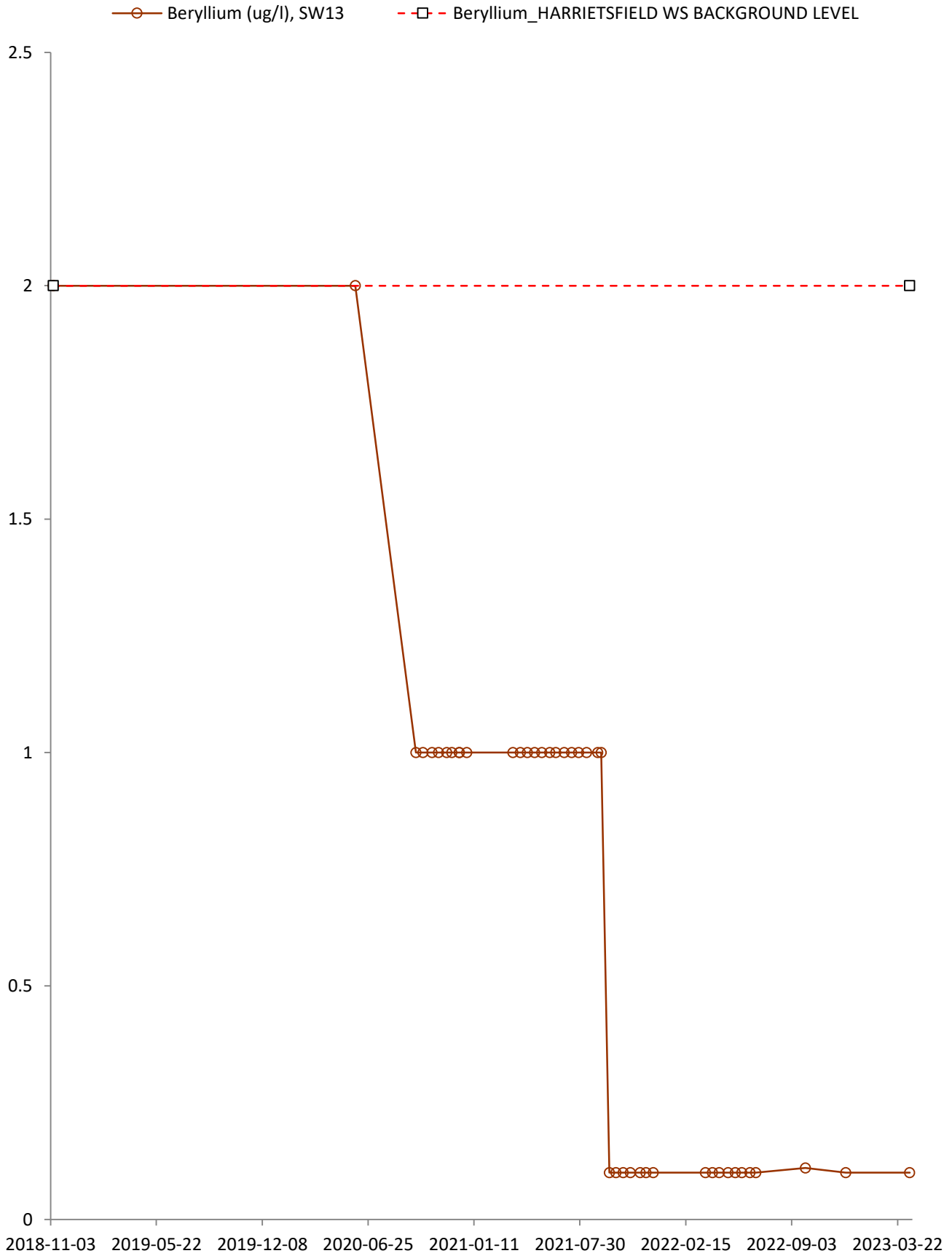


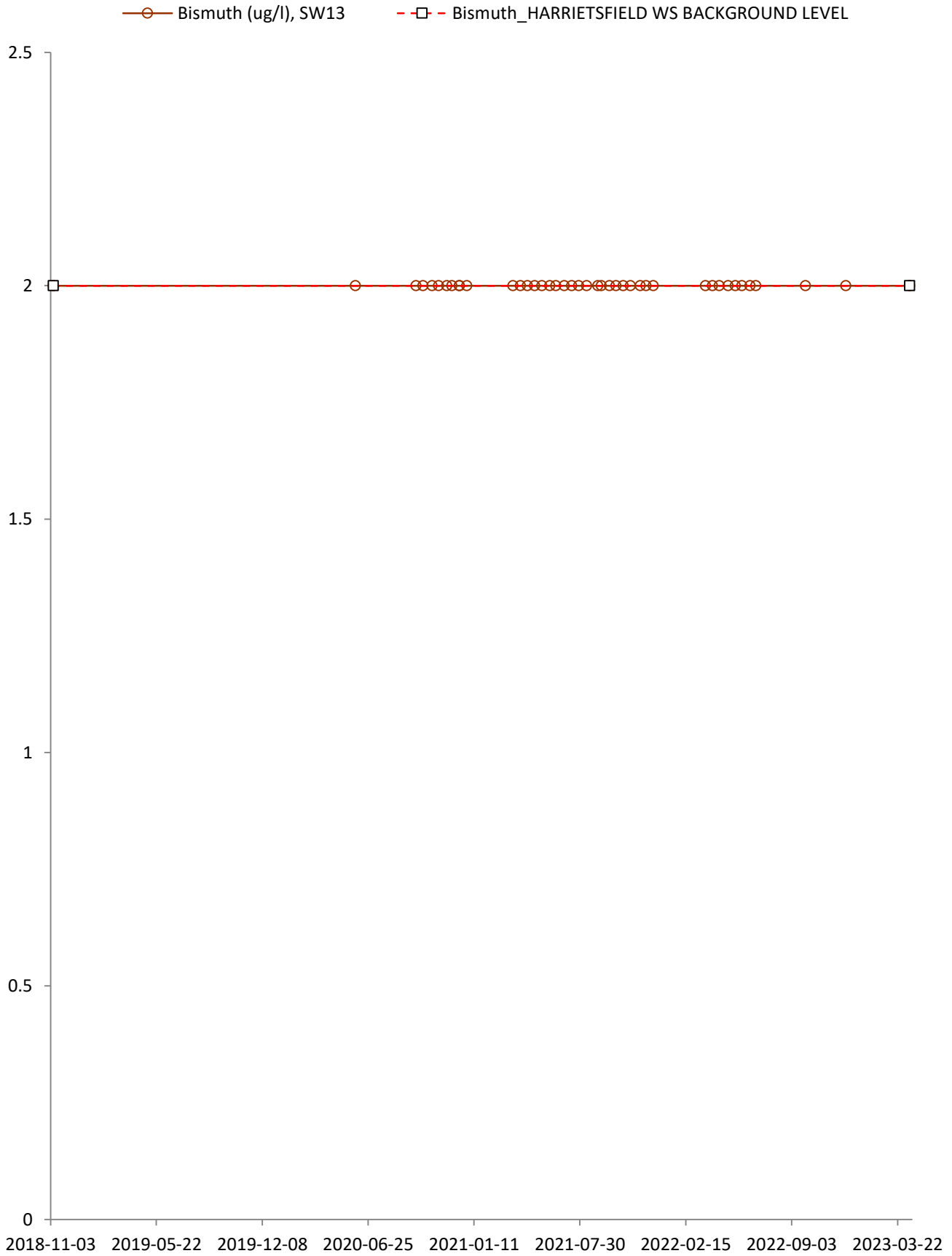




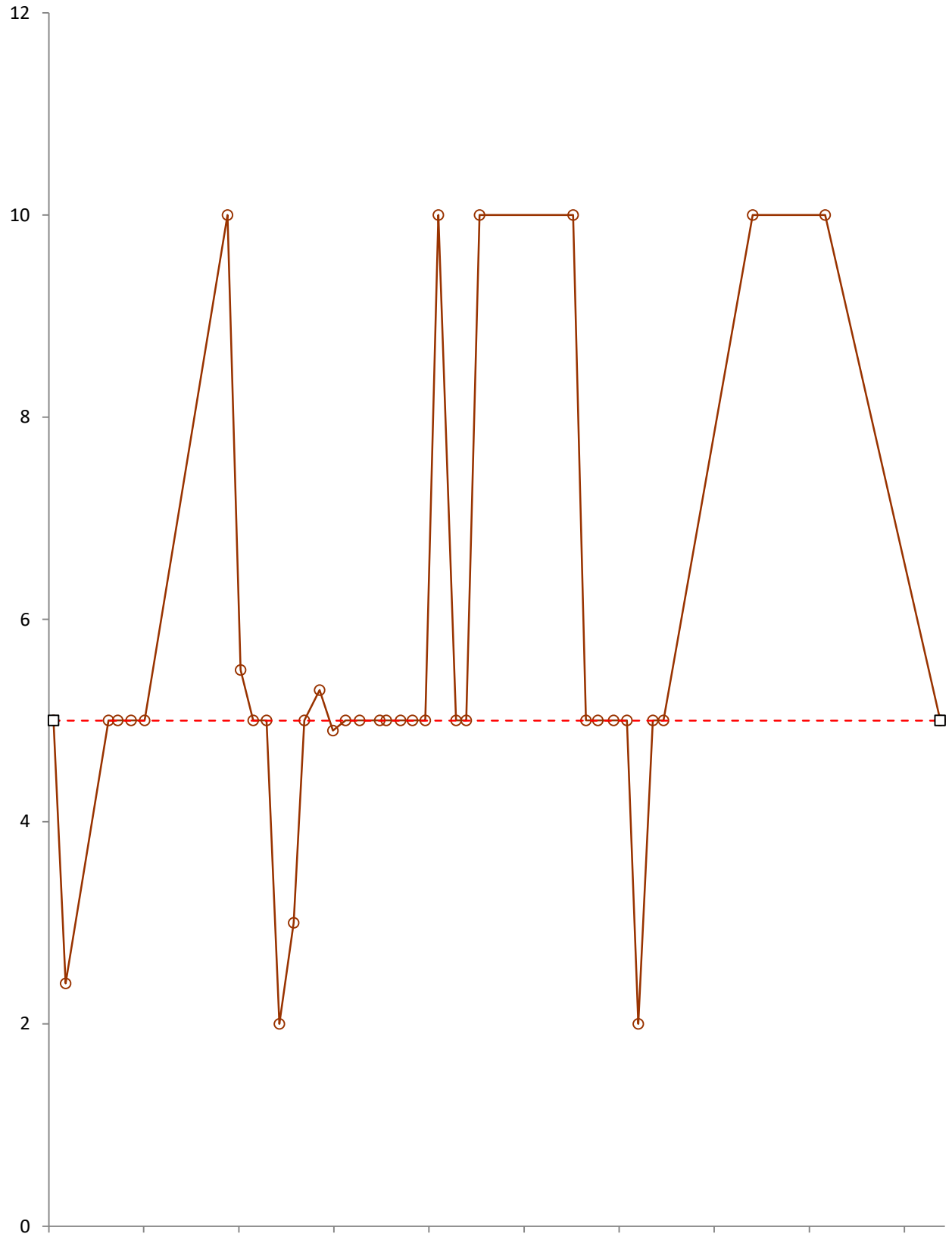




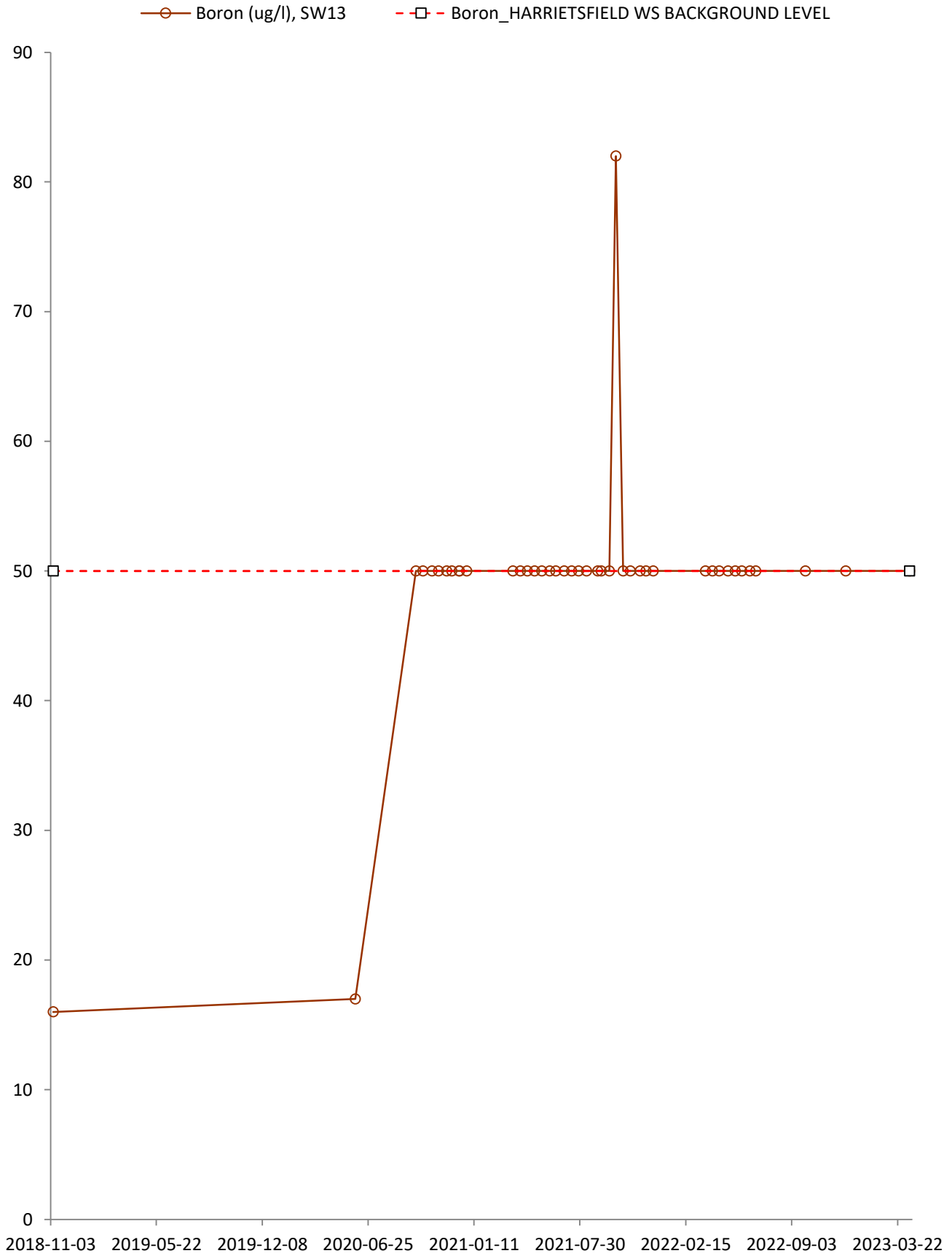


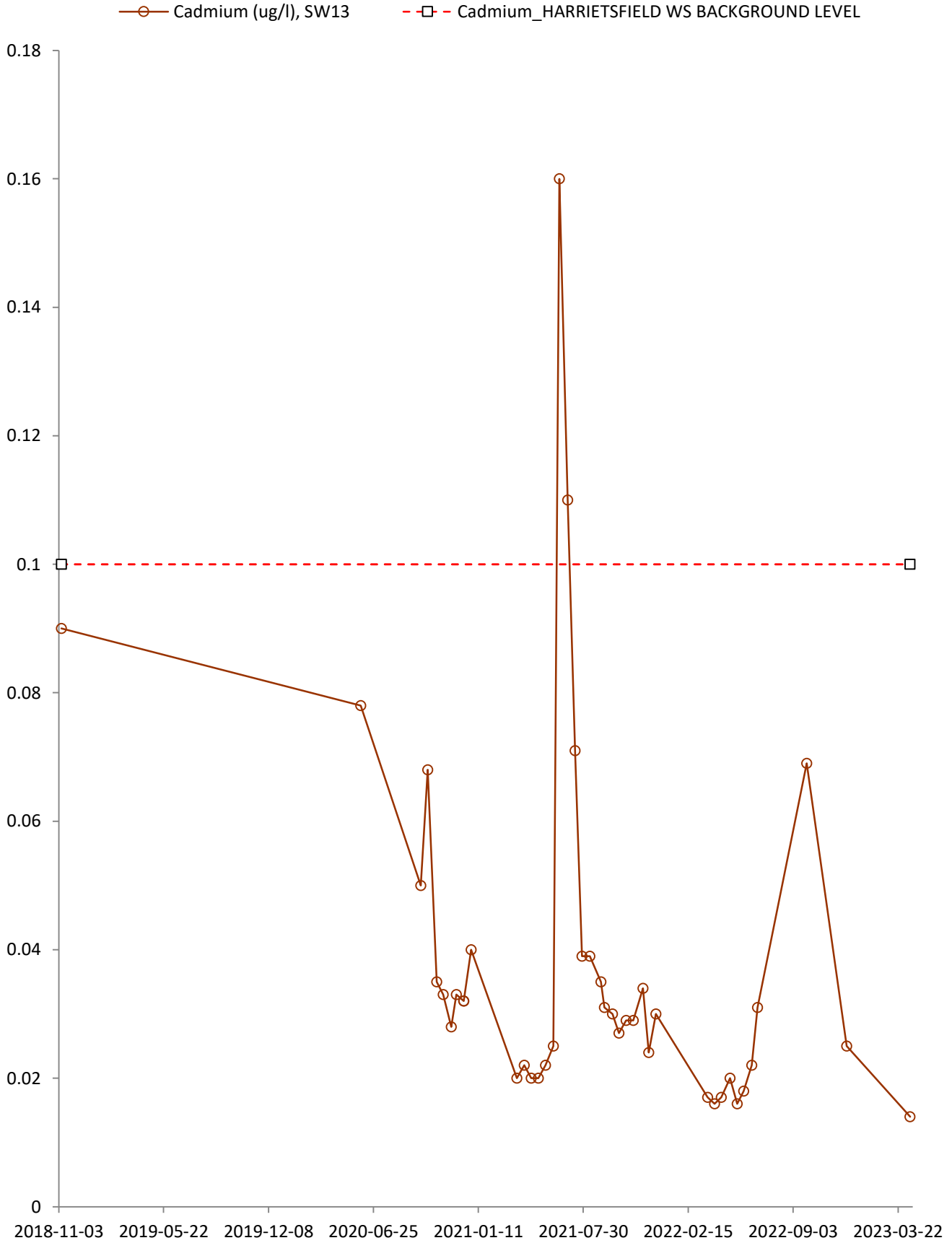


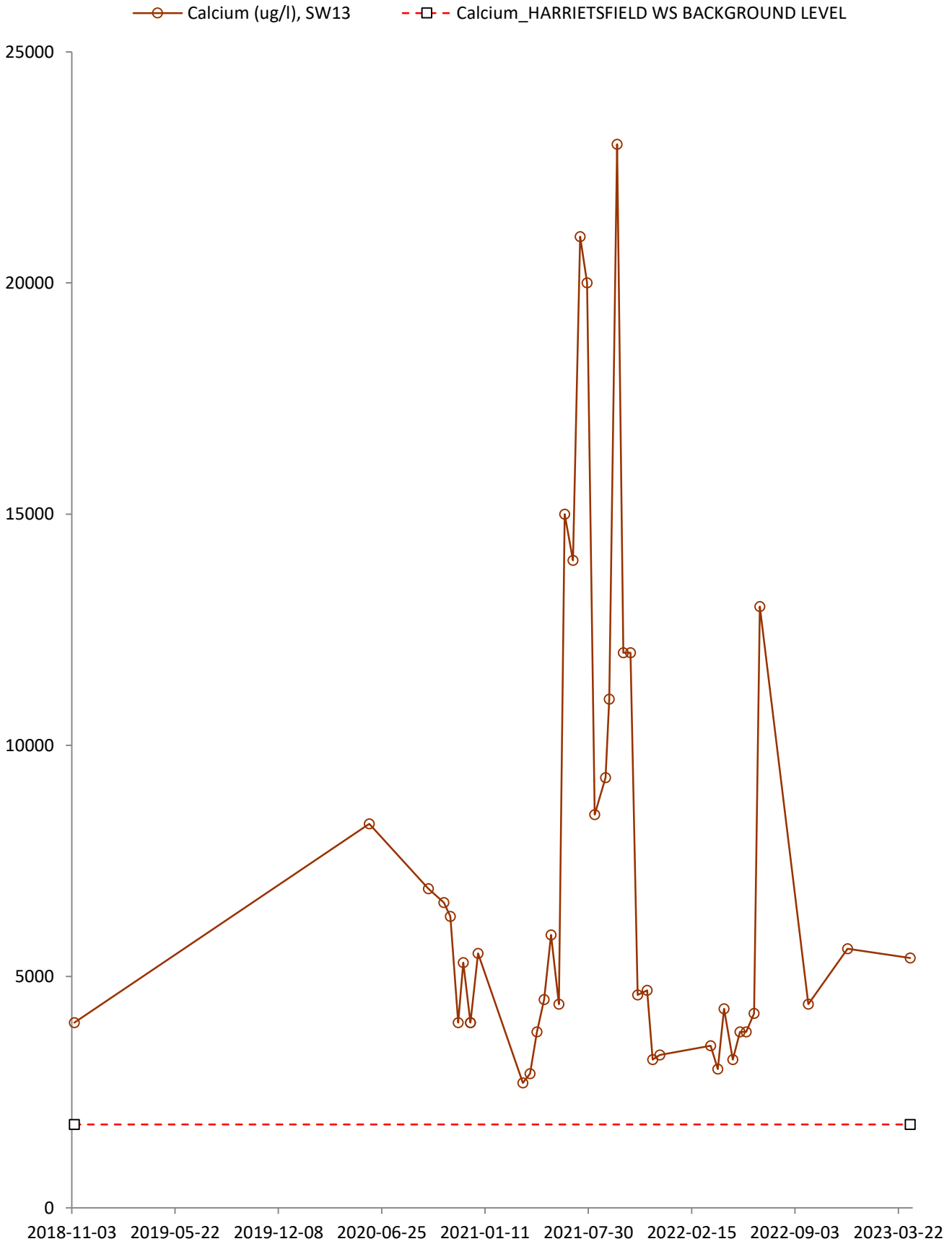
—○— BOD Carbonaceous (mg/l), SW13 - -□- - BOD Carbonaceous_HARRIETSFIELD WS BACKGROUND LEVEL



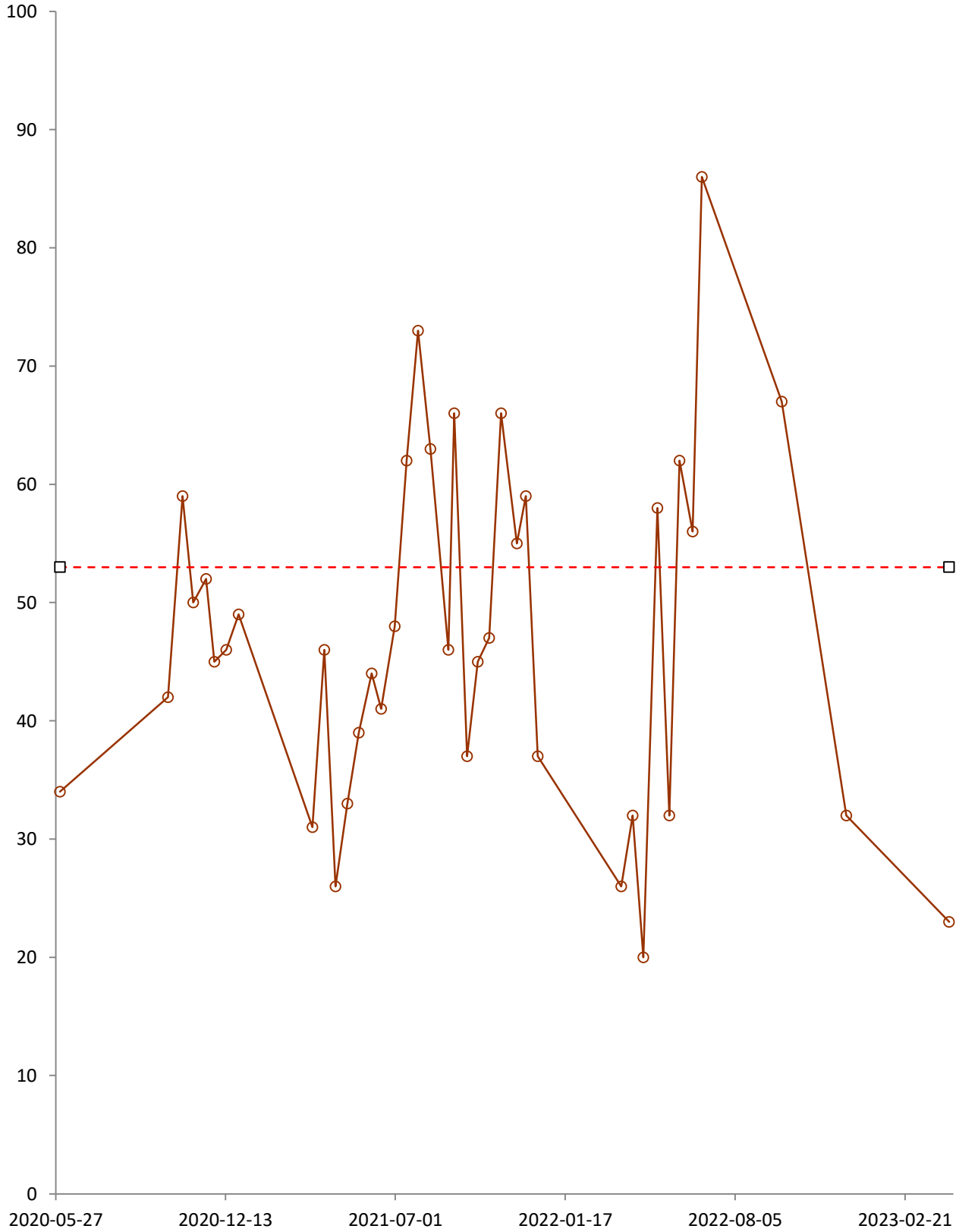
2020-09-18 2020-12-27 2021-04-06 2021-07-15 2021-10-23 2022-01-31 2022-05-11 2022-08-19 2022-11-27 2023-03-07

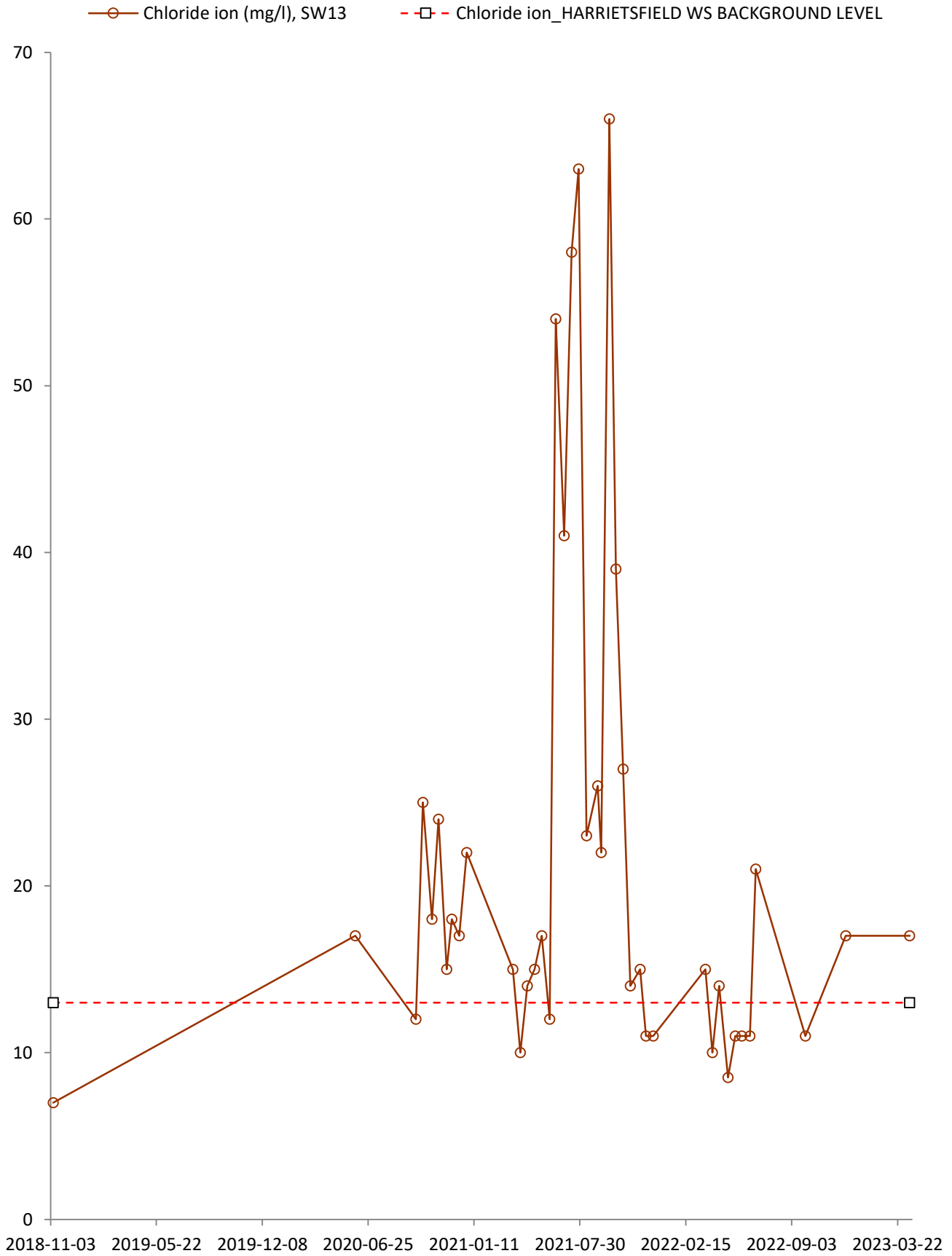


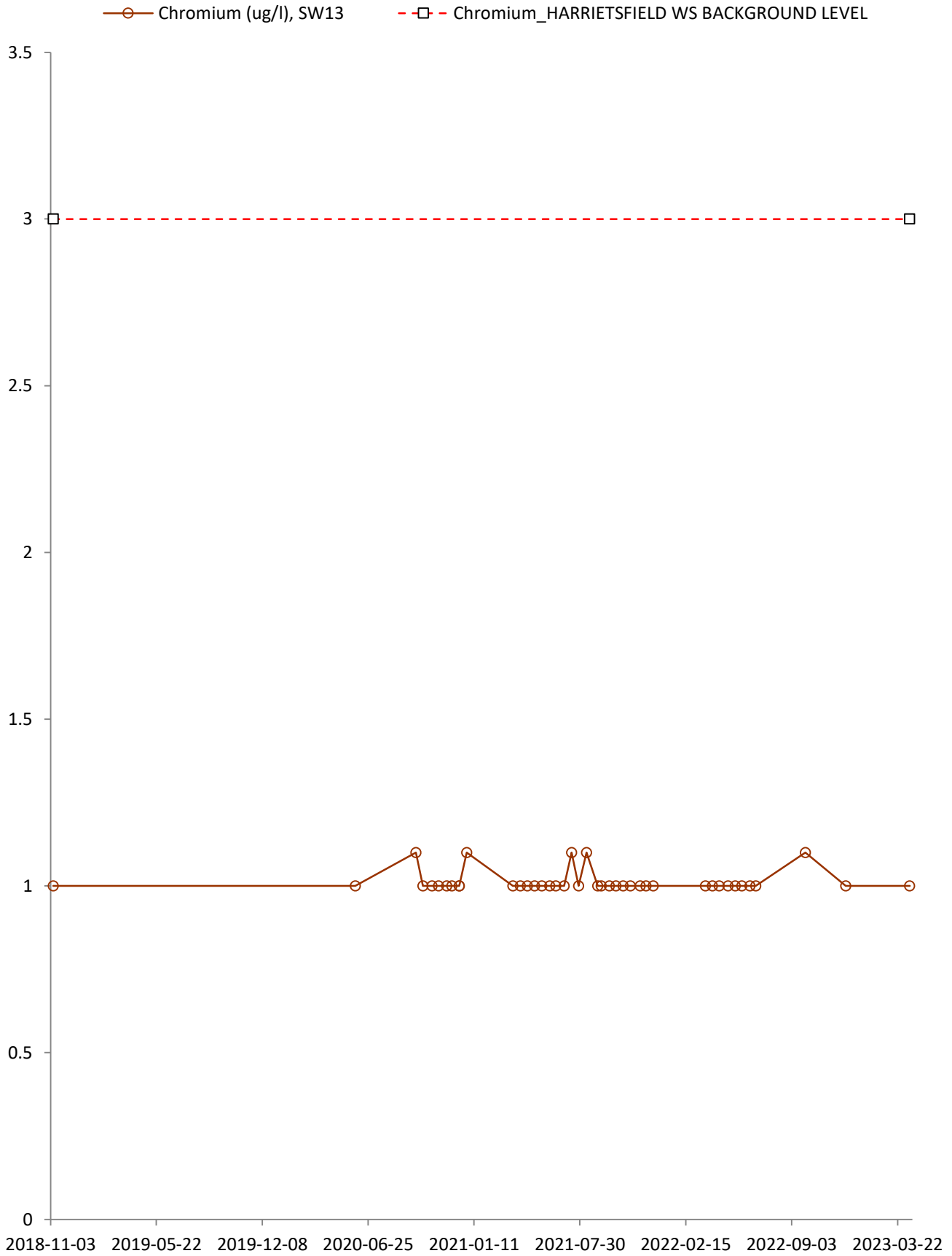


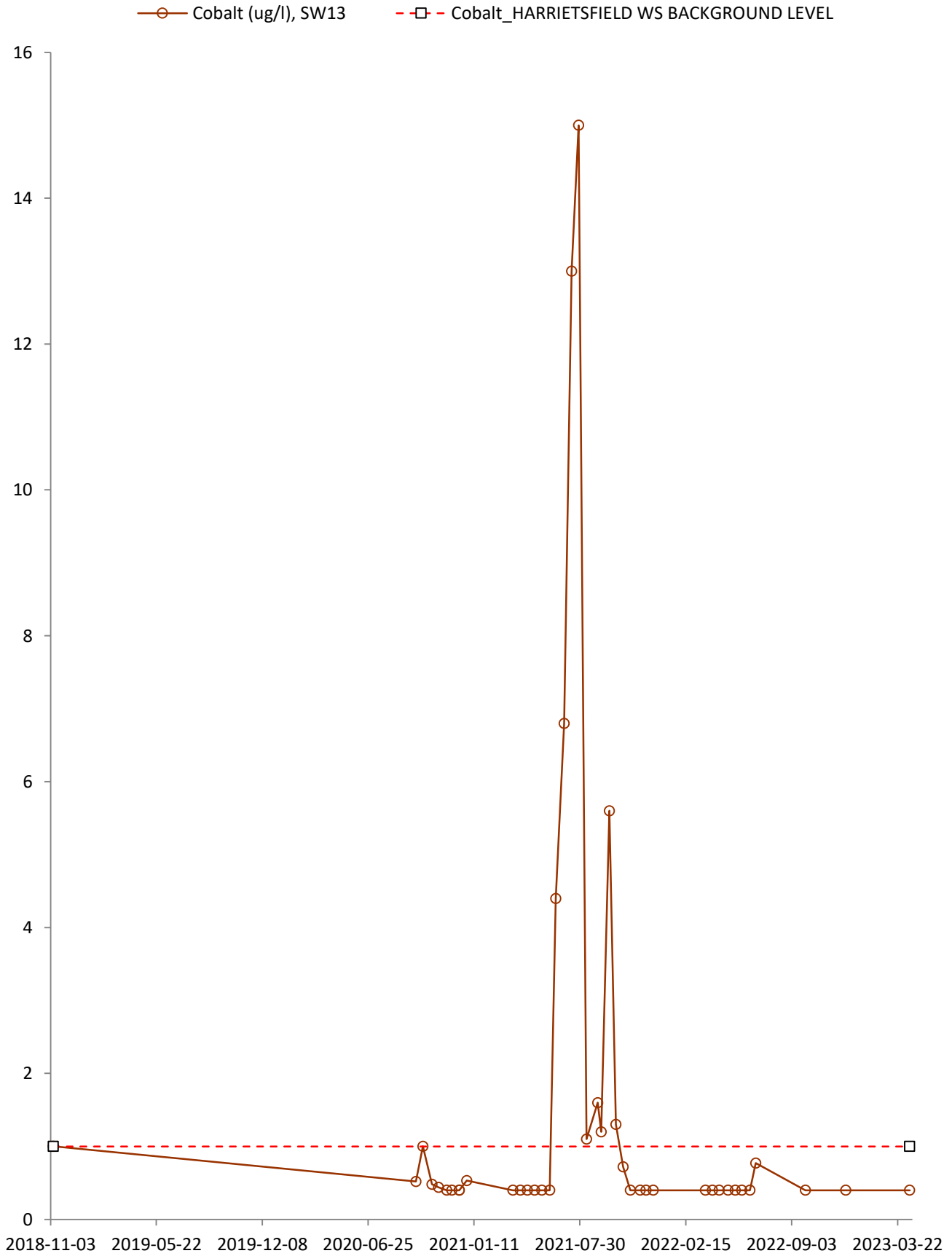


- Chemical Oxygen Demand (mg/l), SW13
- - □ - Chemical Oxygen Demand_HARRIETSFIELD WS BACKGROUND LEVEL

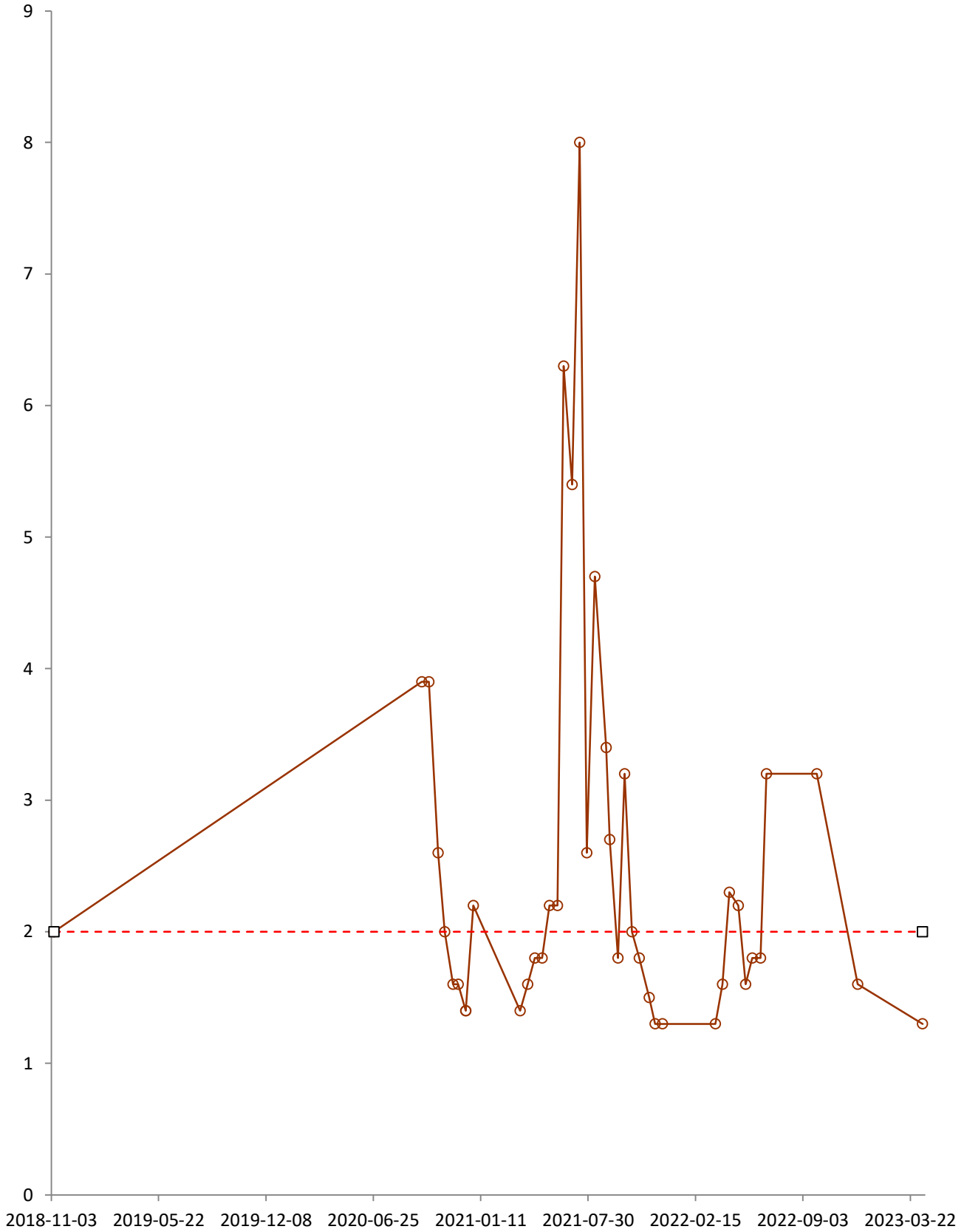




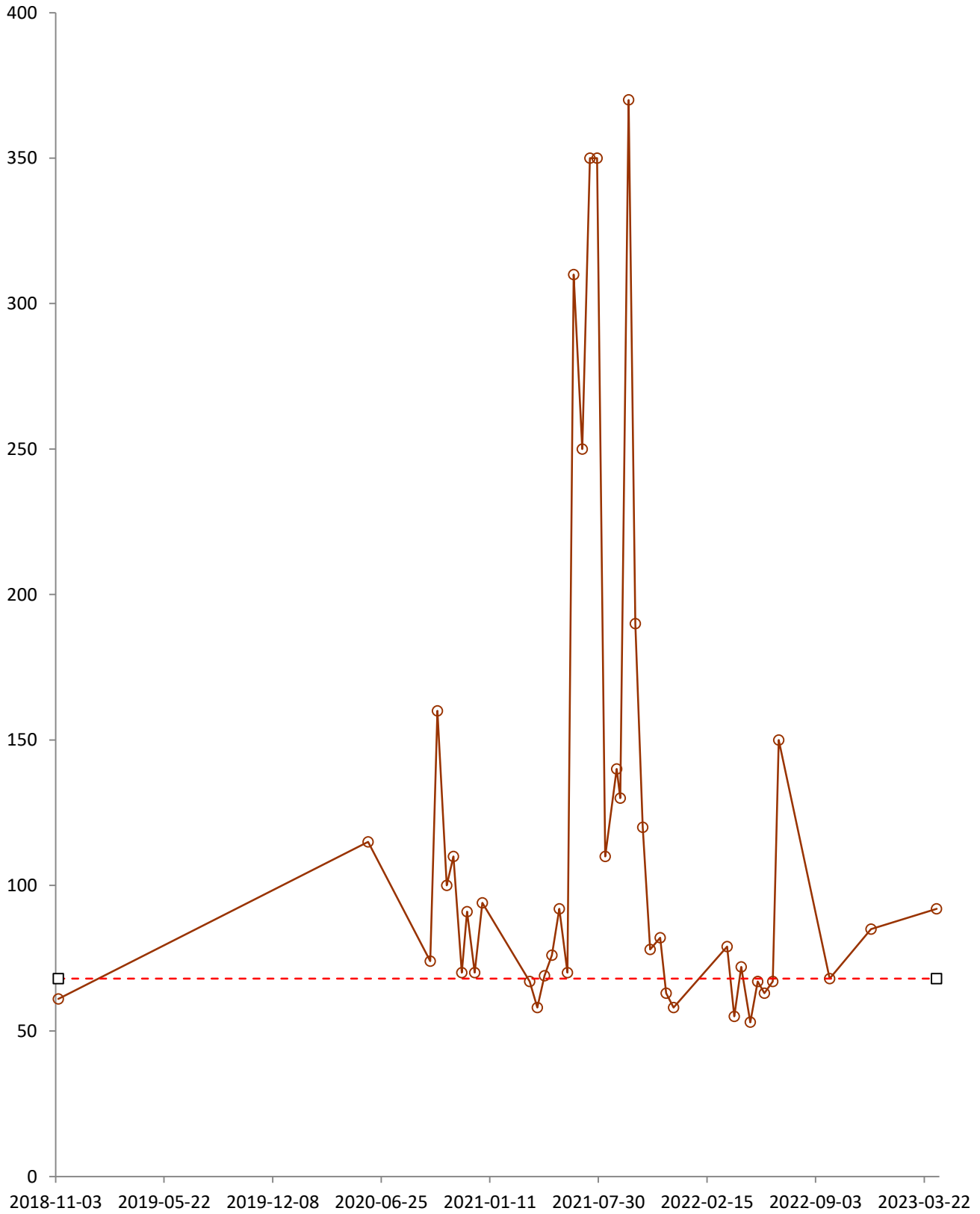


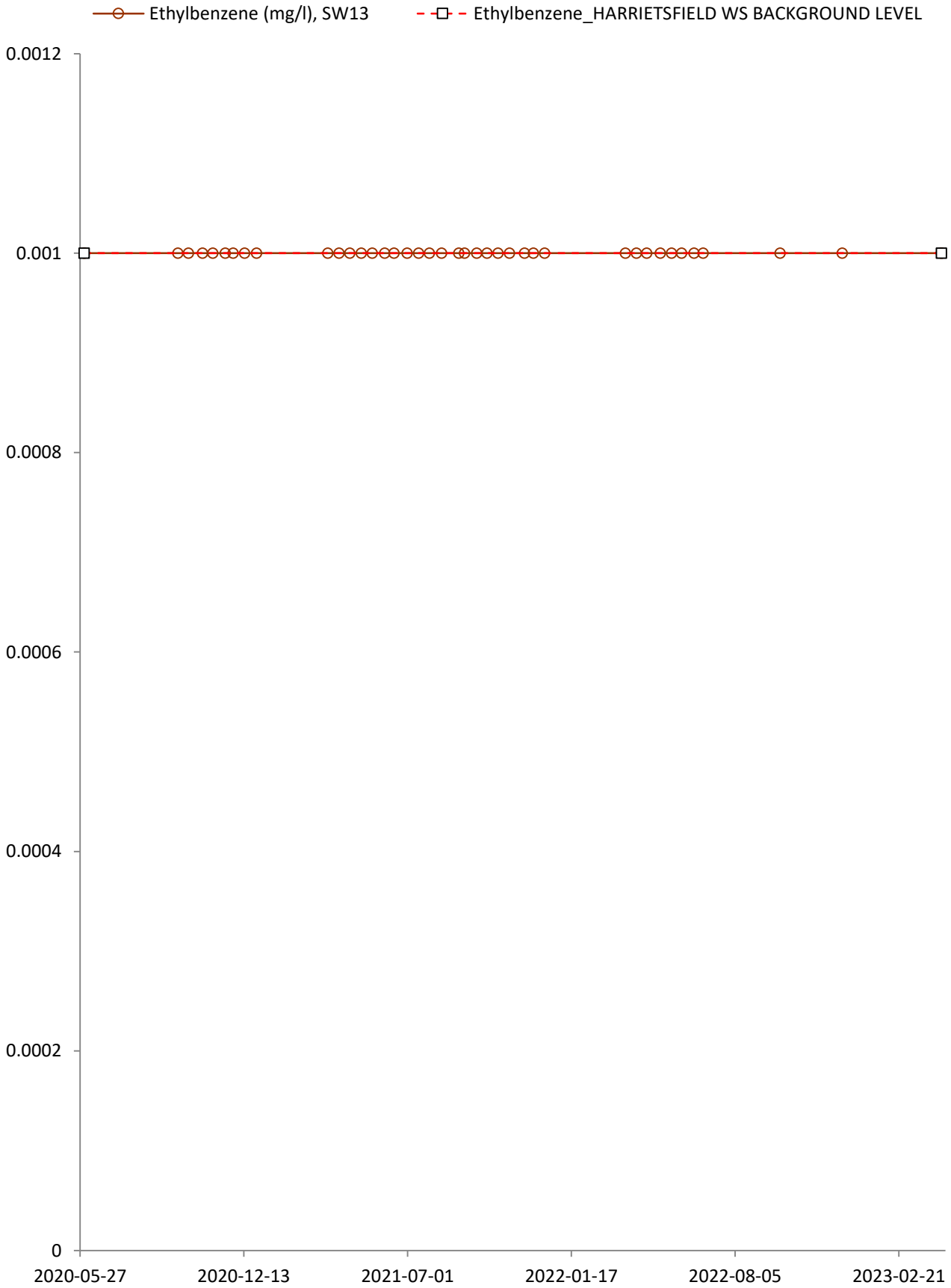


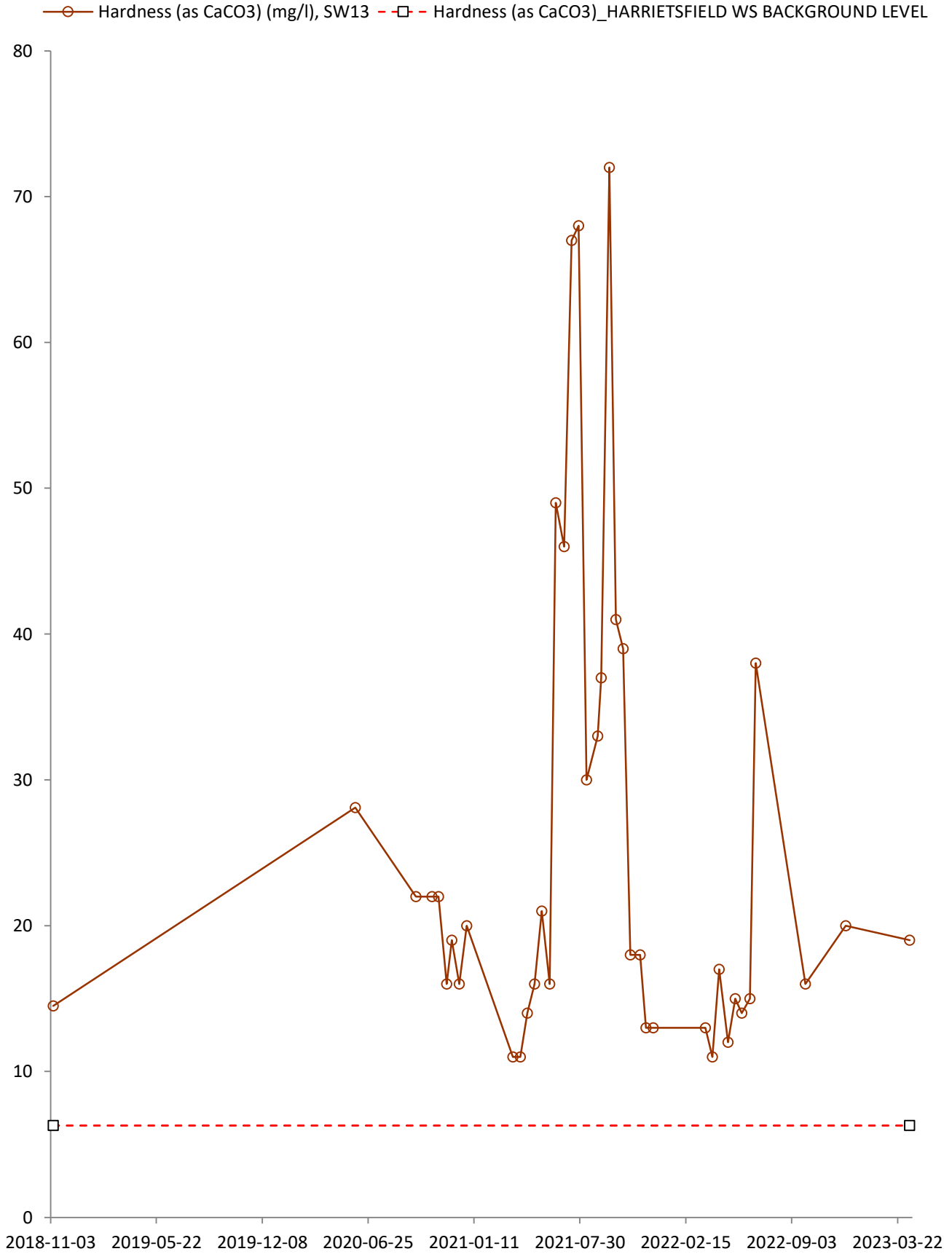
—○— Copper (ug/l), SW13 - -□- - Copper_HARRIETSFIELD WS BACKGROUND LEVEL

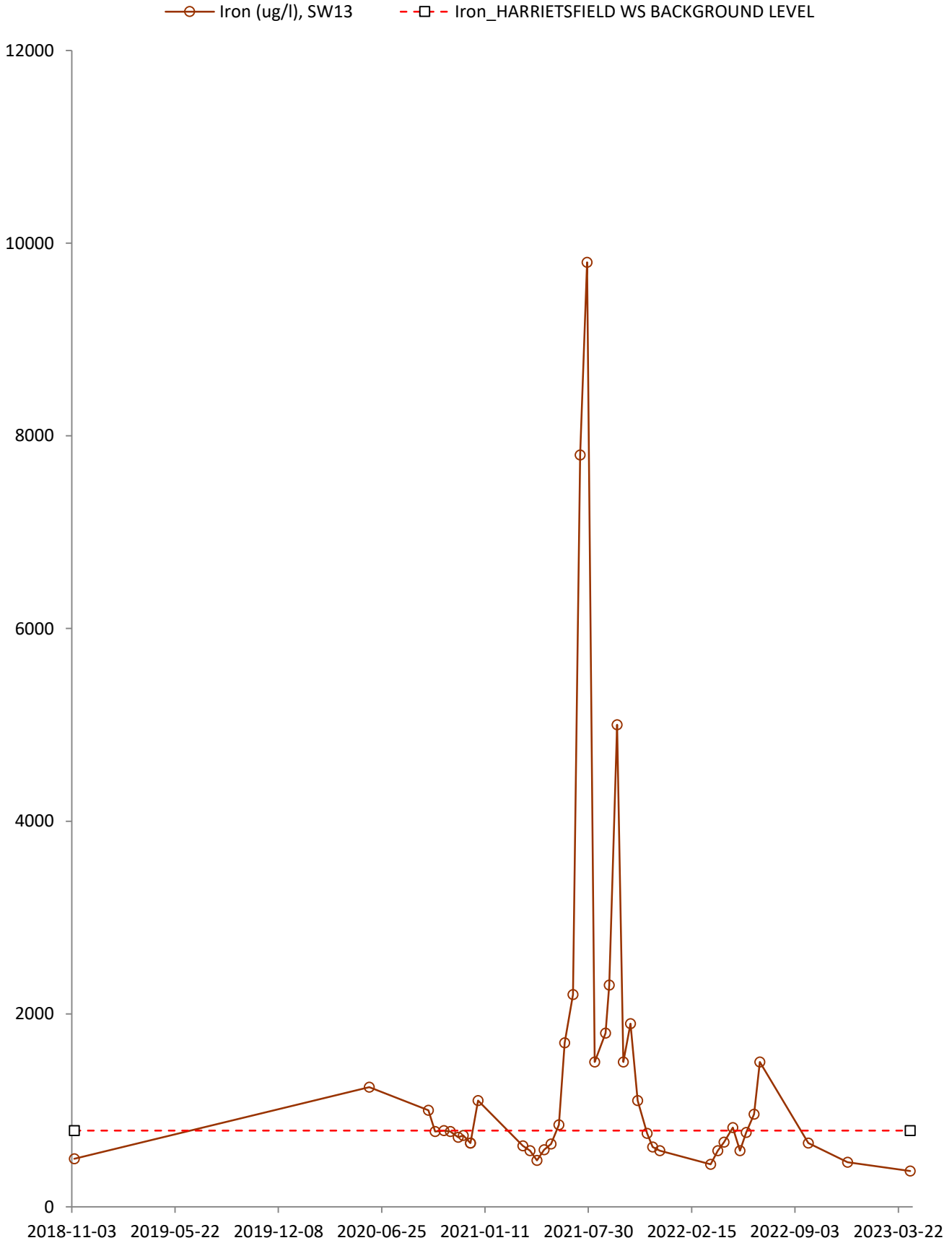


- Electrical Conductivity (umhos/cm), SW13
- -□- - Electrical Conductivity_HARRIETSFIELD WS BACKGROUND LEVEL

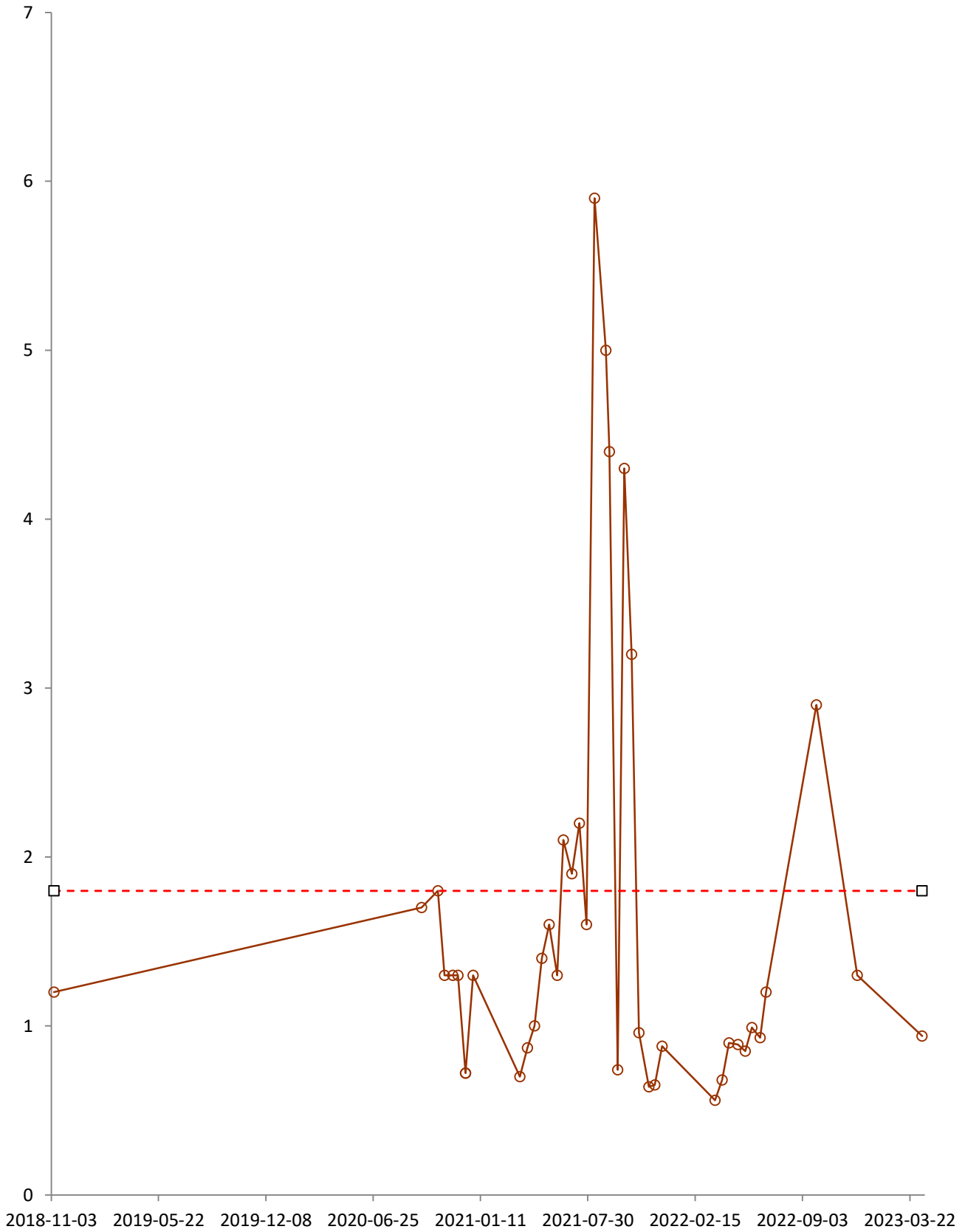


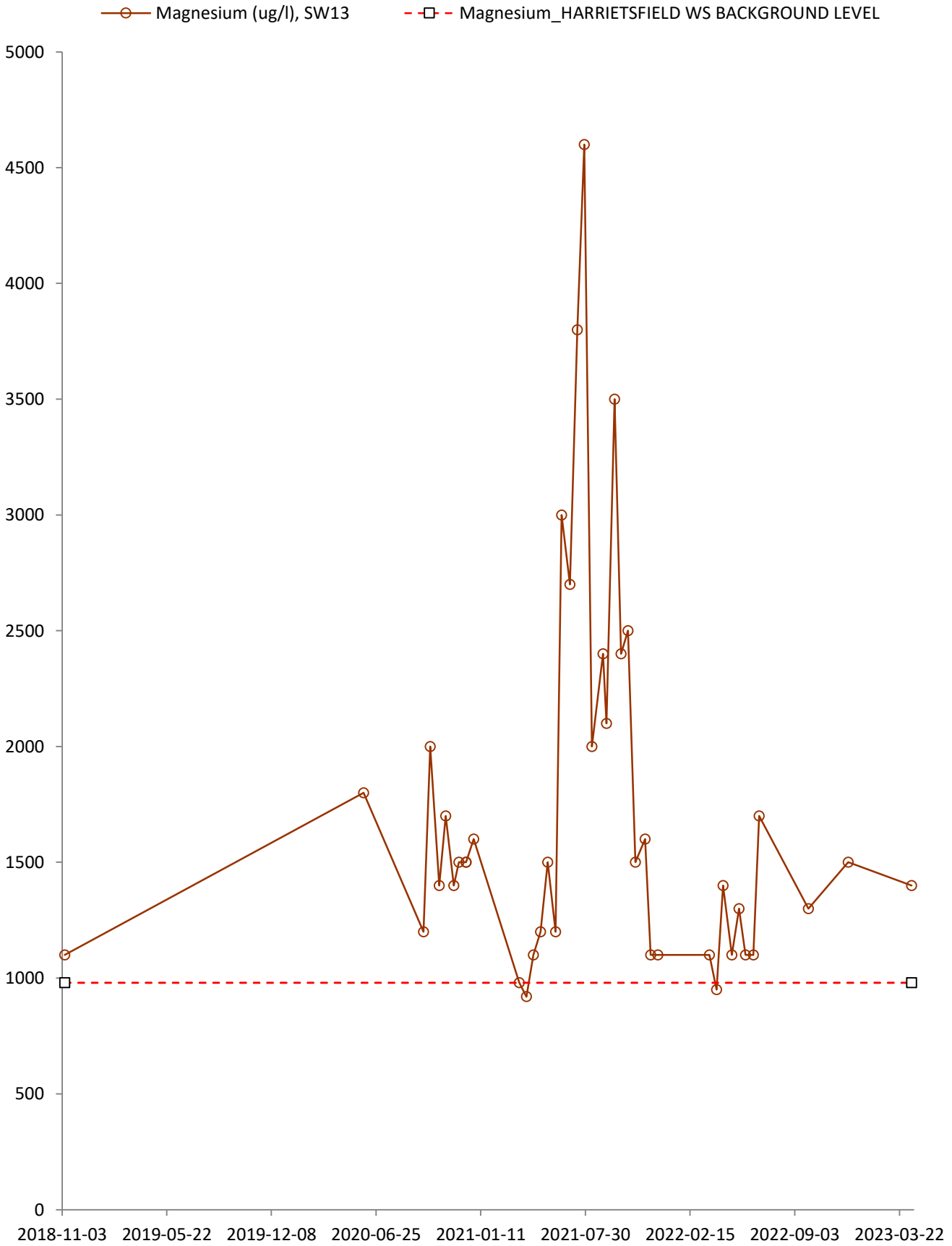


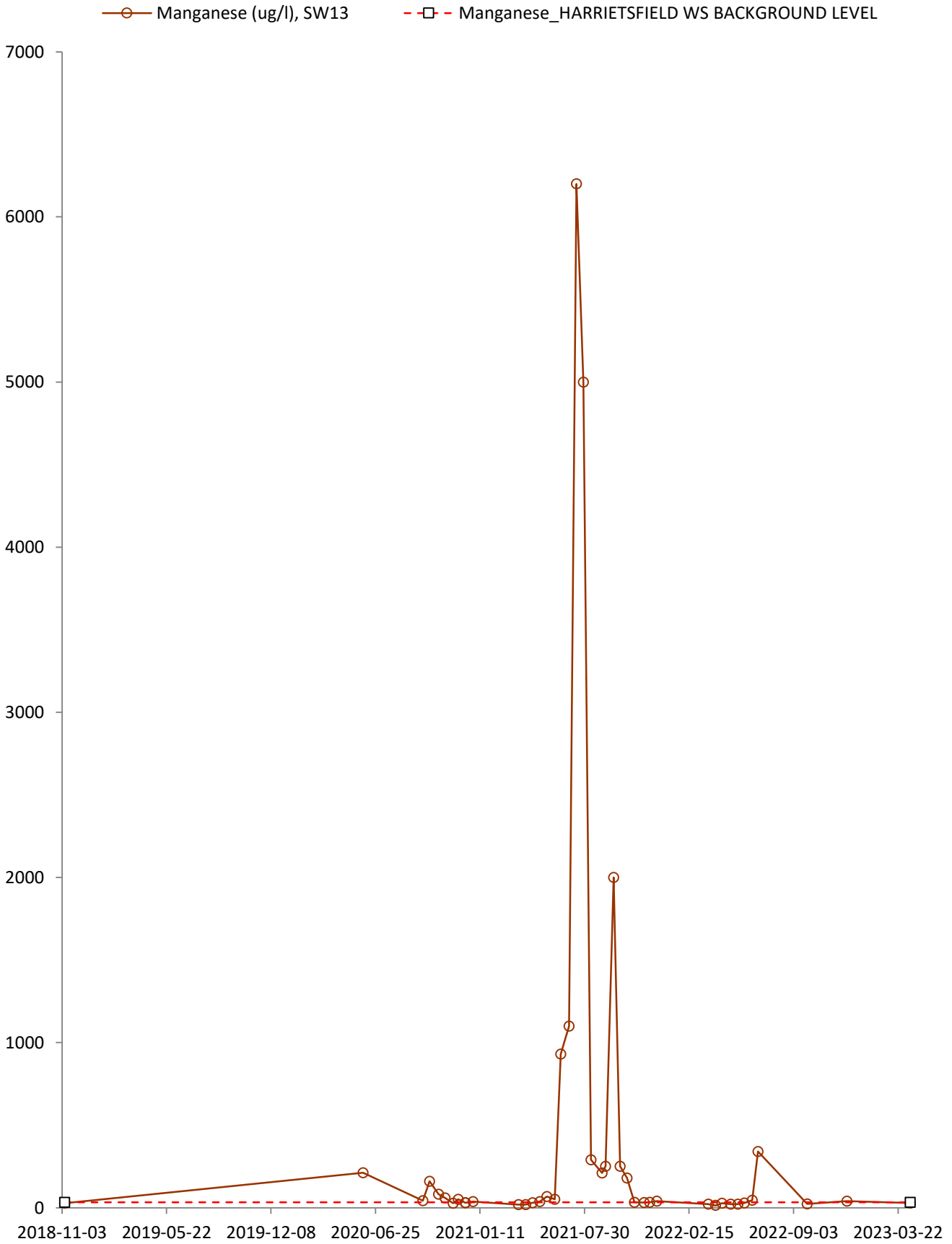




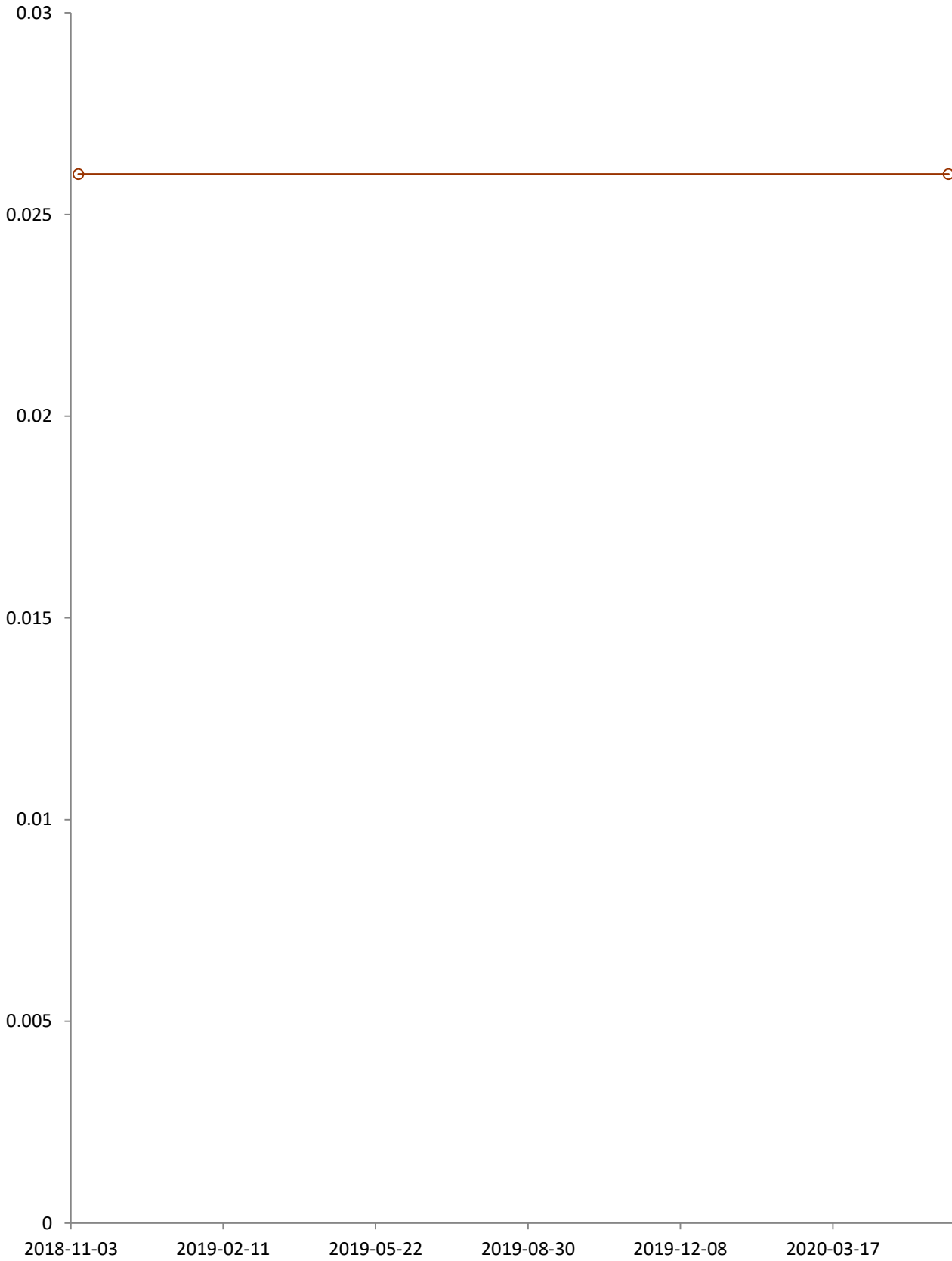
—○— Lead (ug/l), SW13 - -□- - Lead_HARRIETSFIELD WS BACKGROUND LEVEL

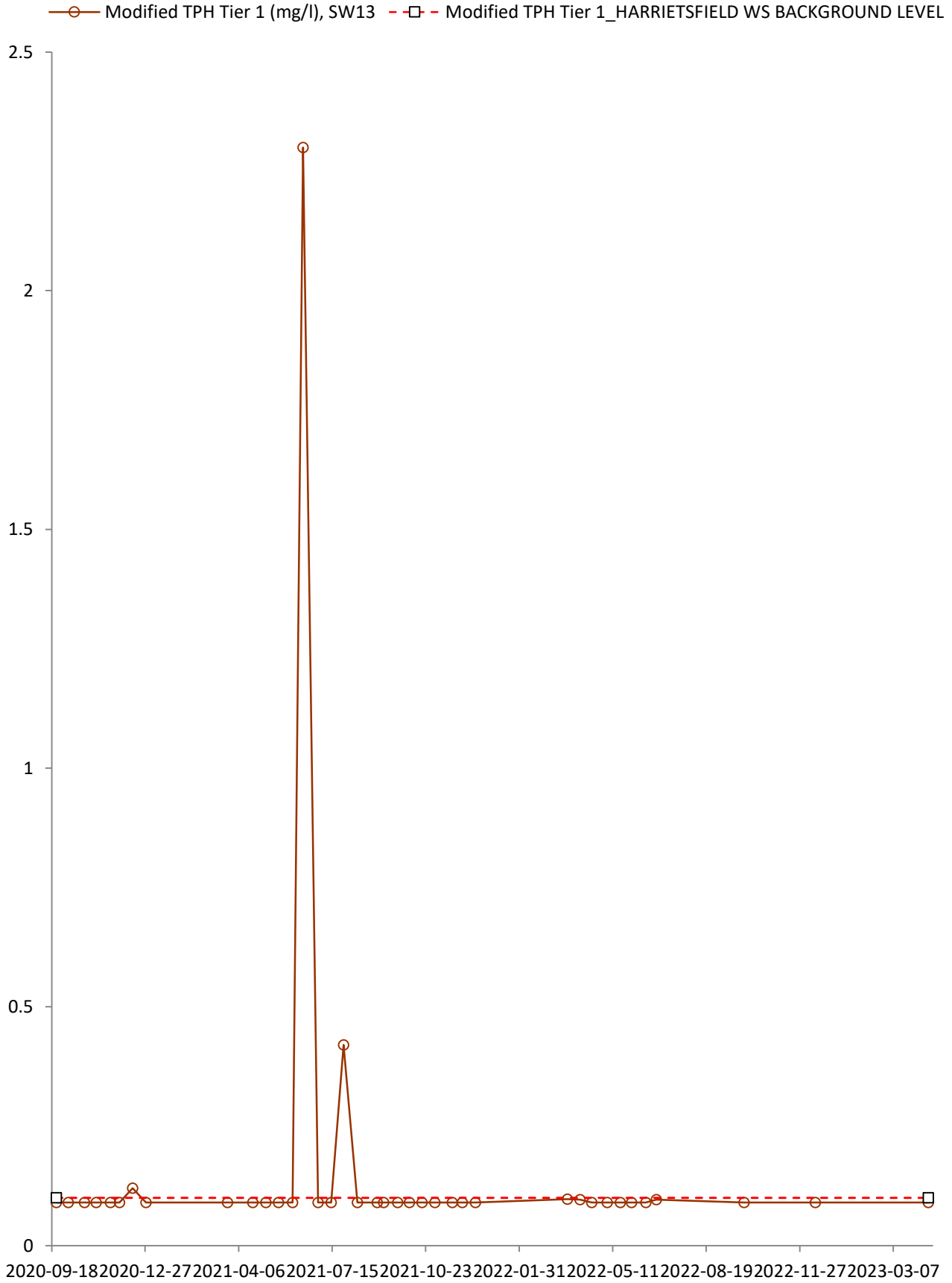


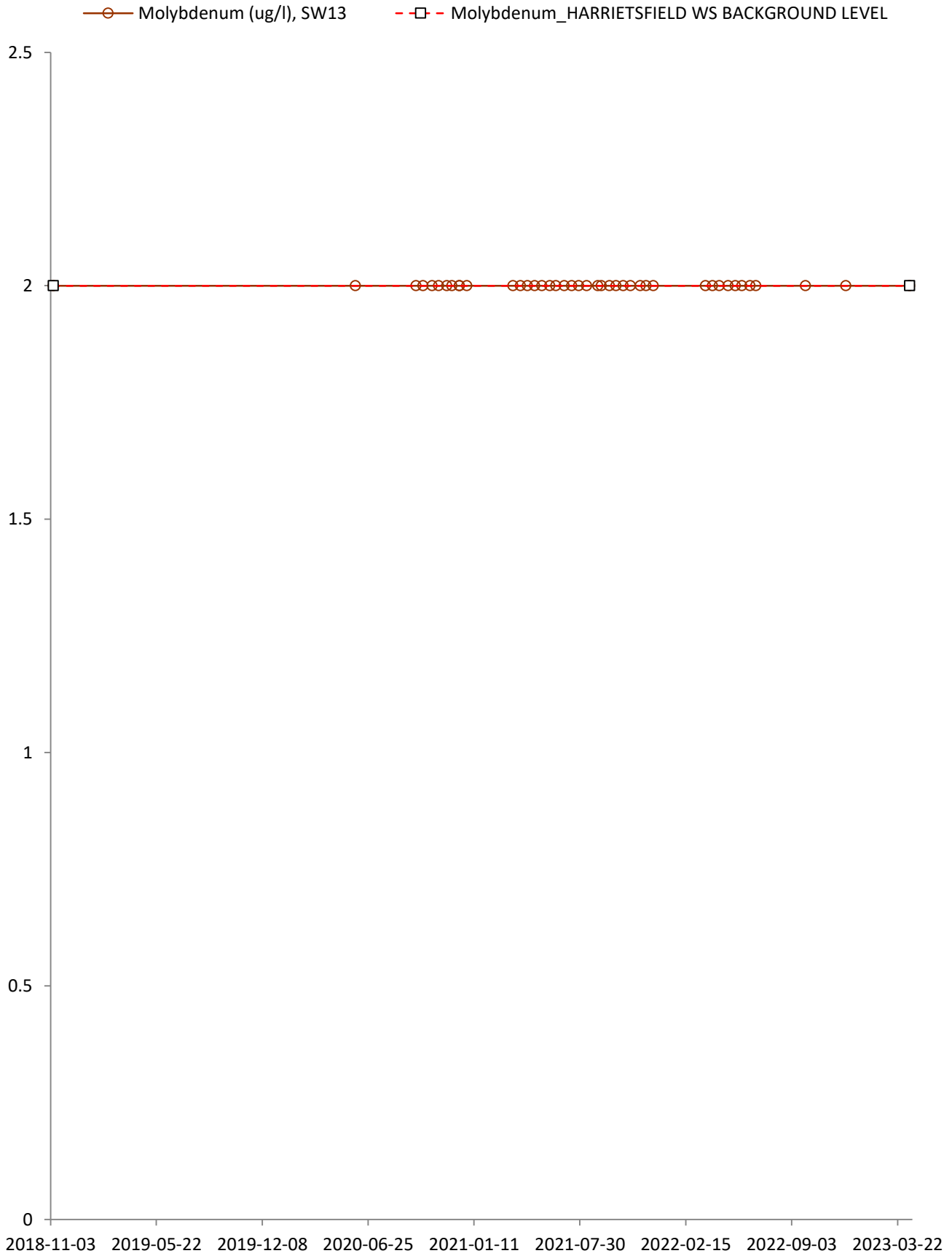


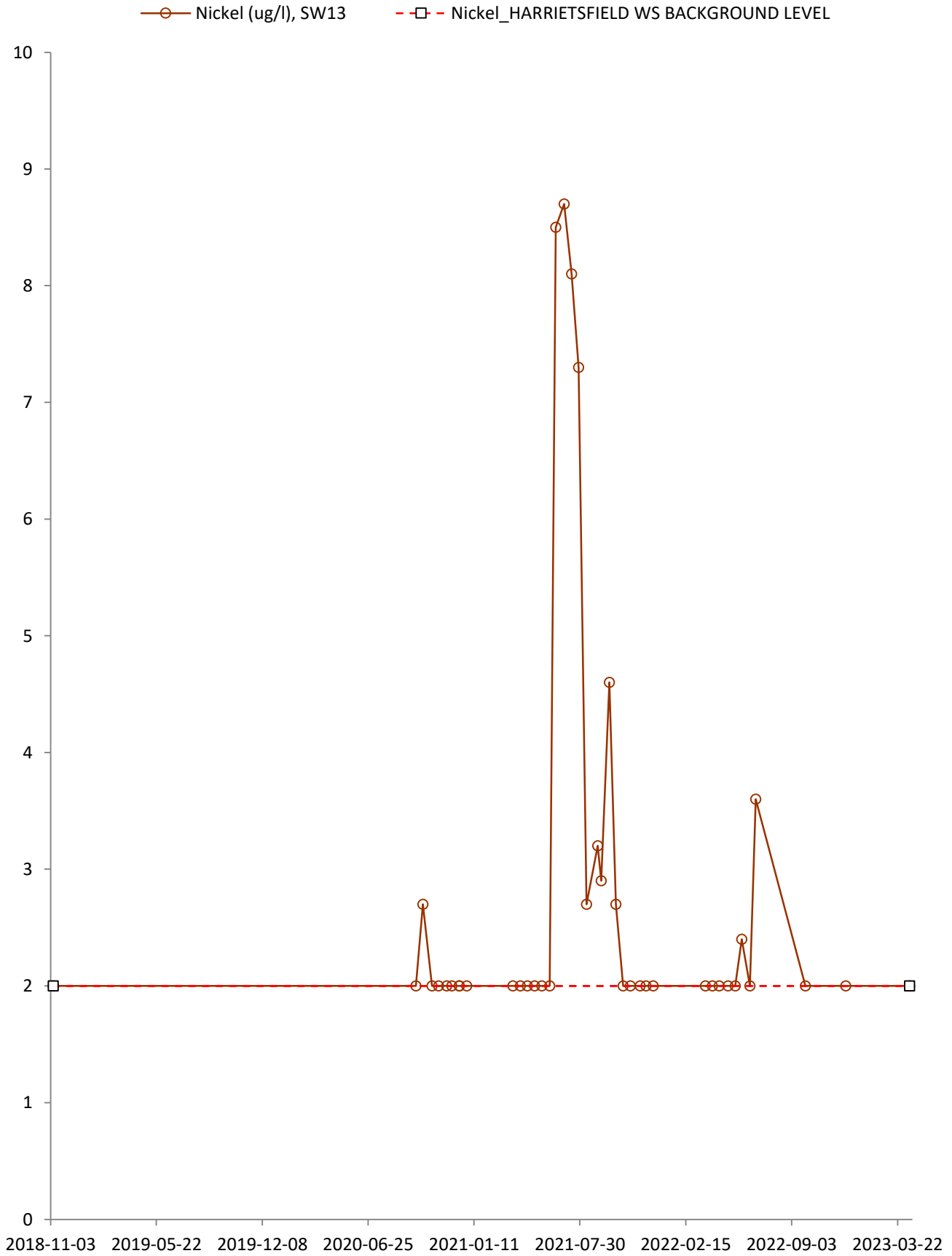


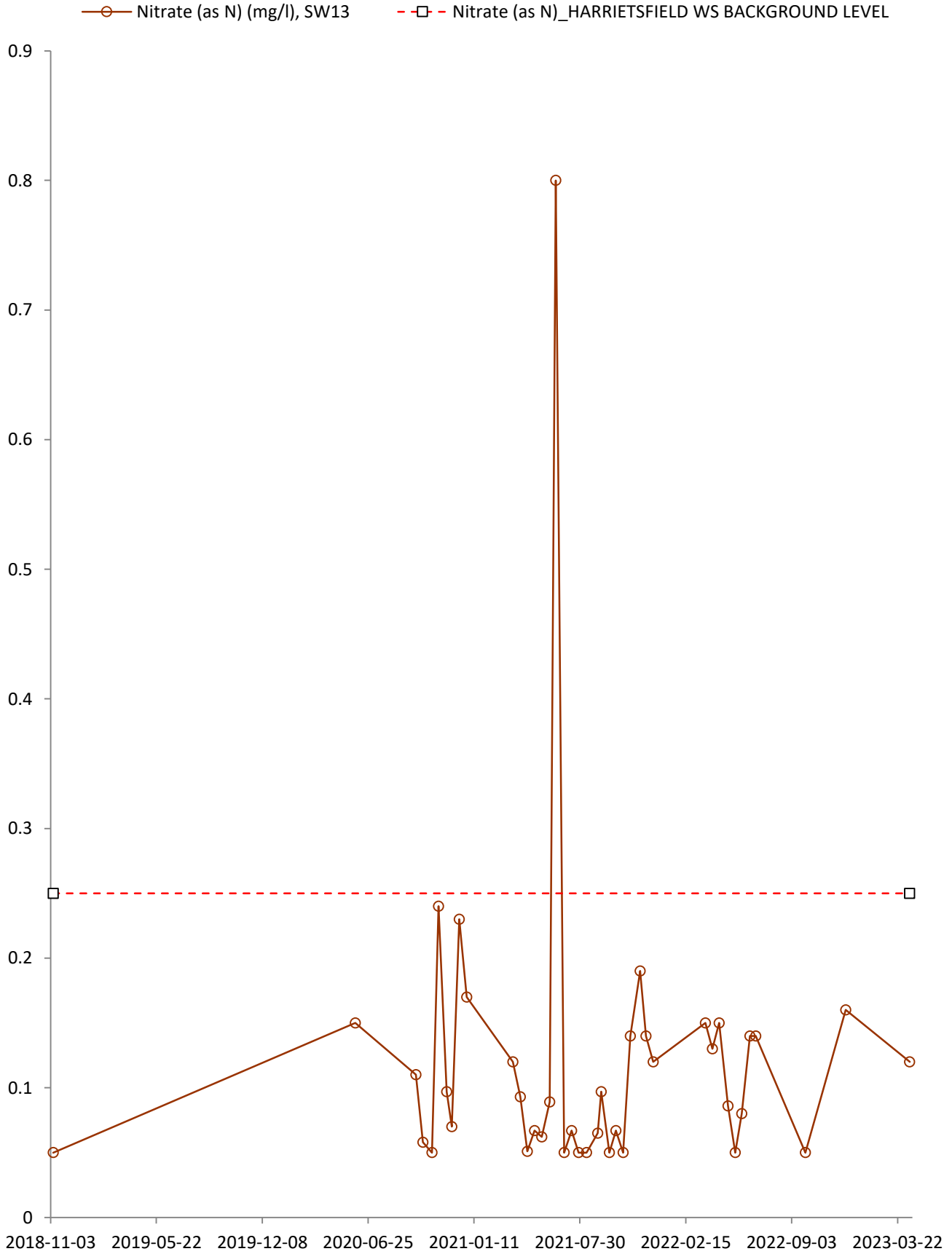
—○ Mercury (ug/l), SW13



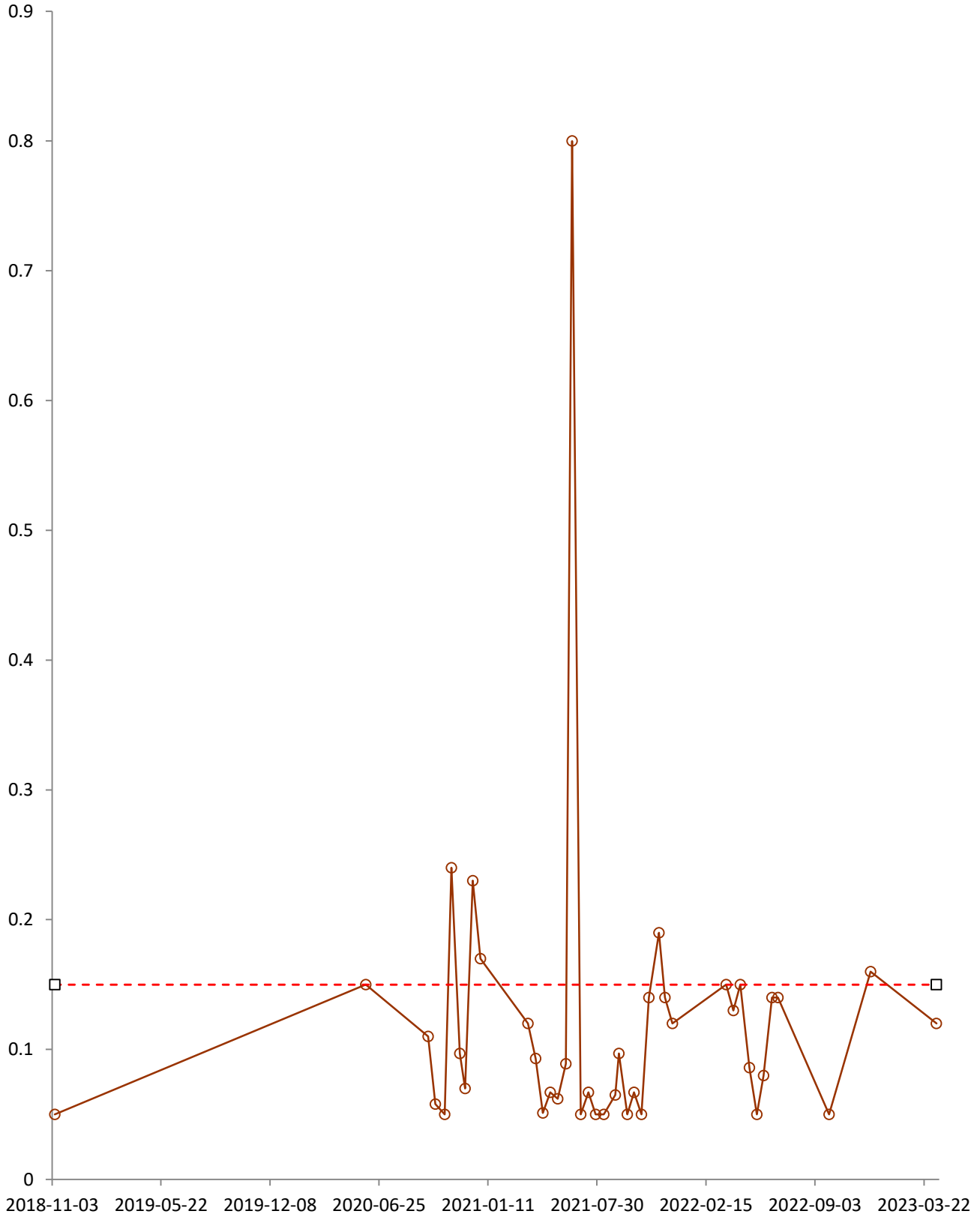


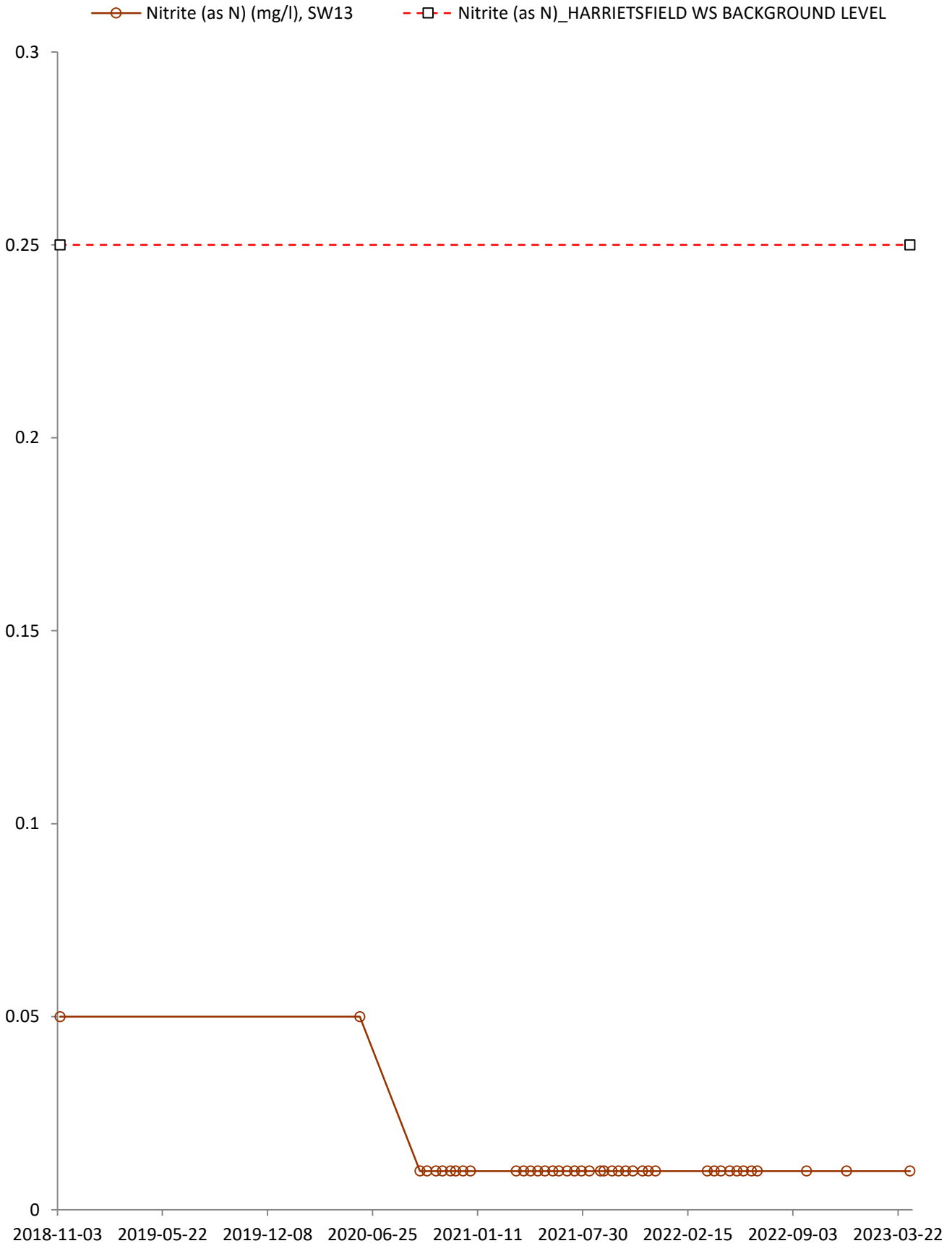




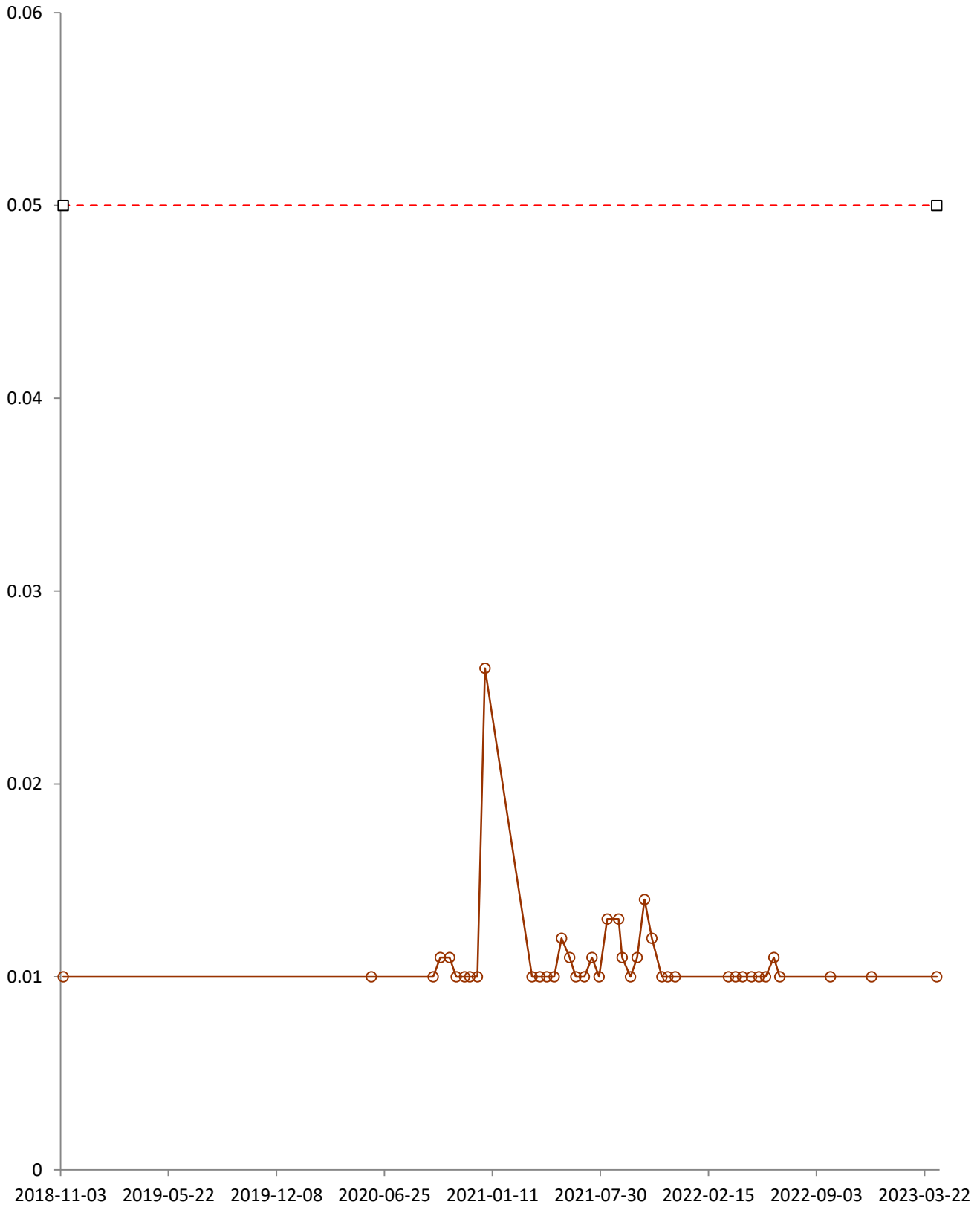


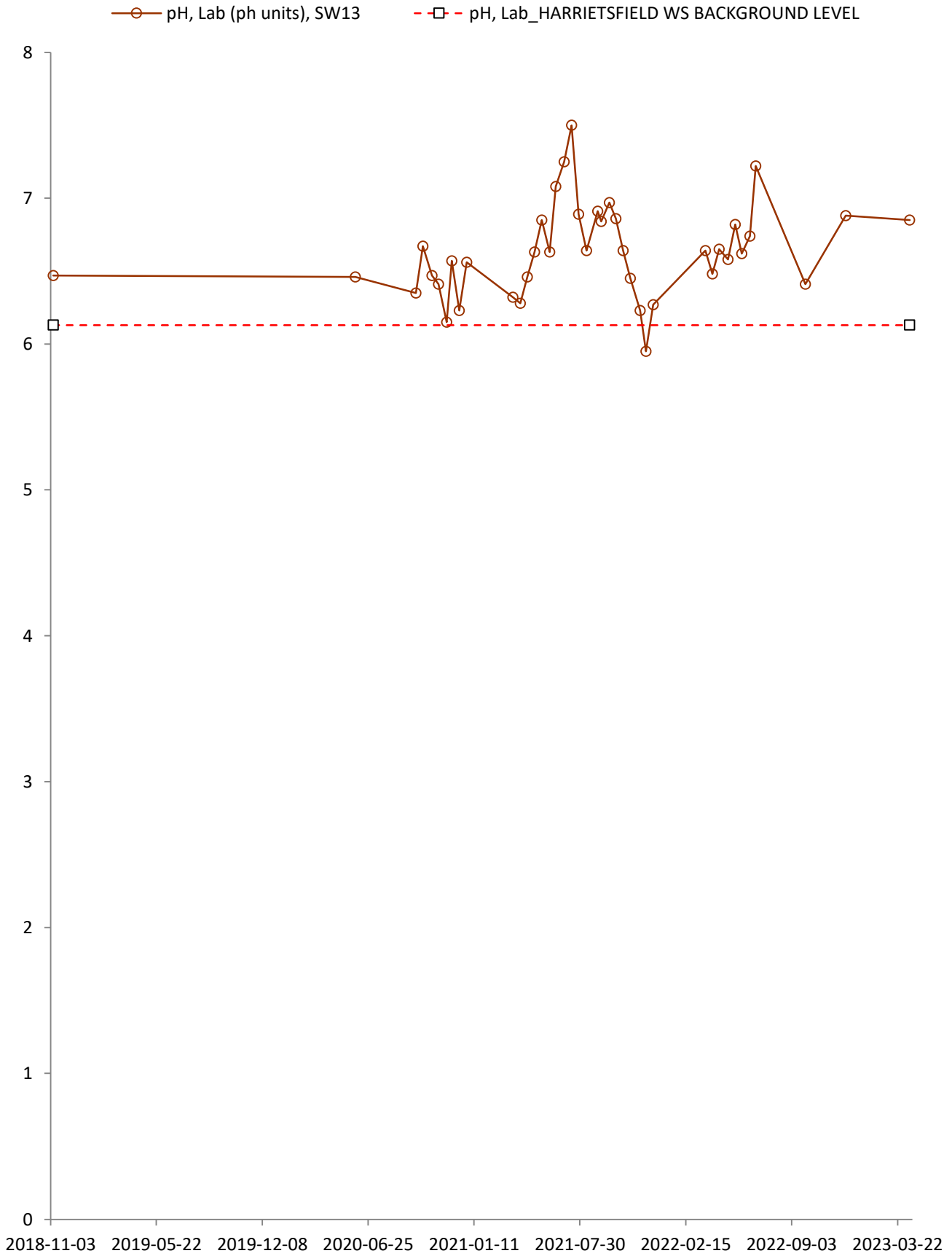
- Nitrate plus Nitrite (N) (mg/l), SW13
- Nitrate plus Nitrite (N)_HARRIETSFIELD WS BACKGROUND LEVEL

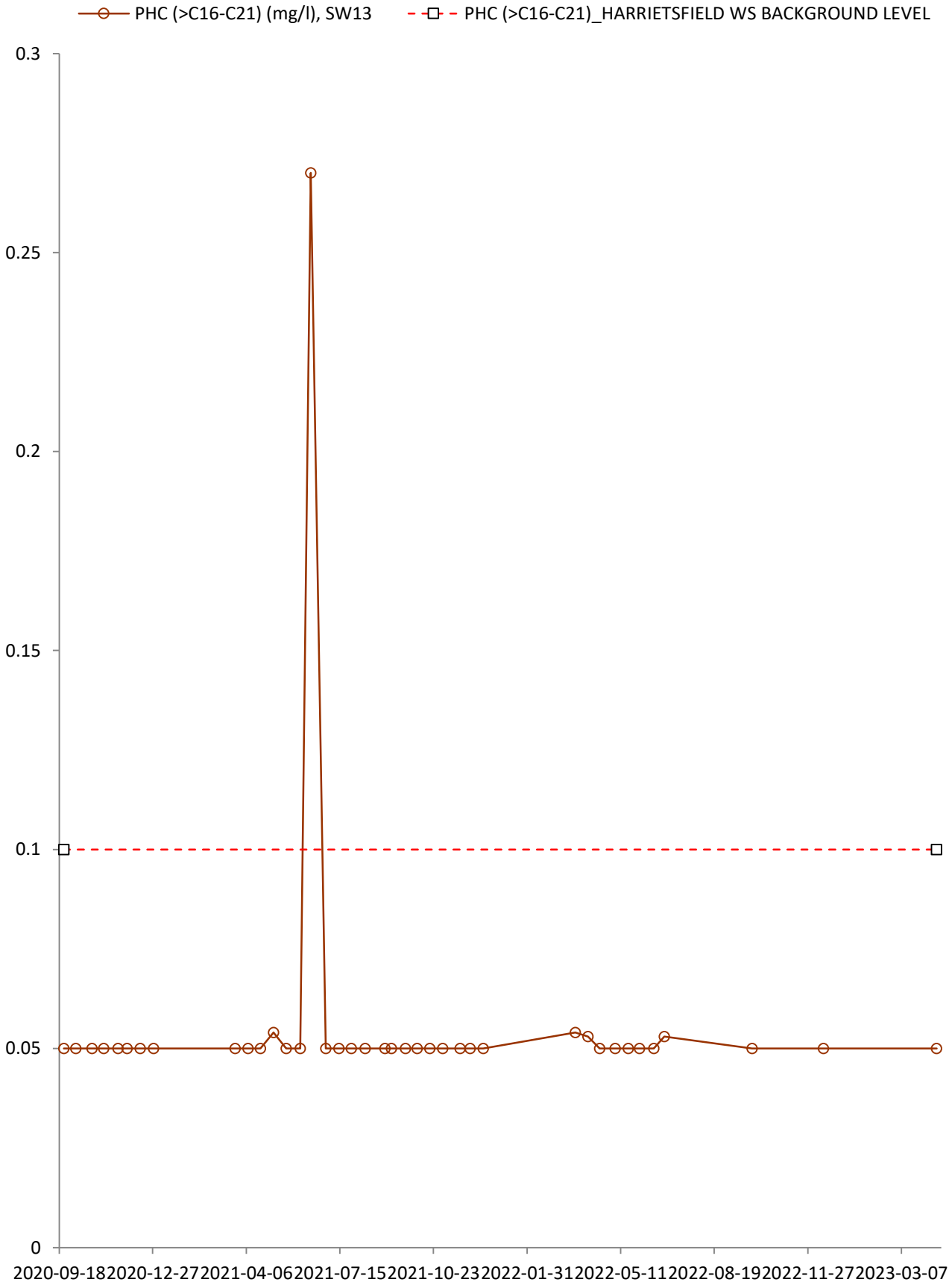


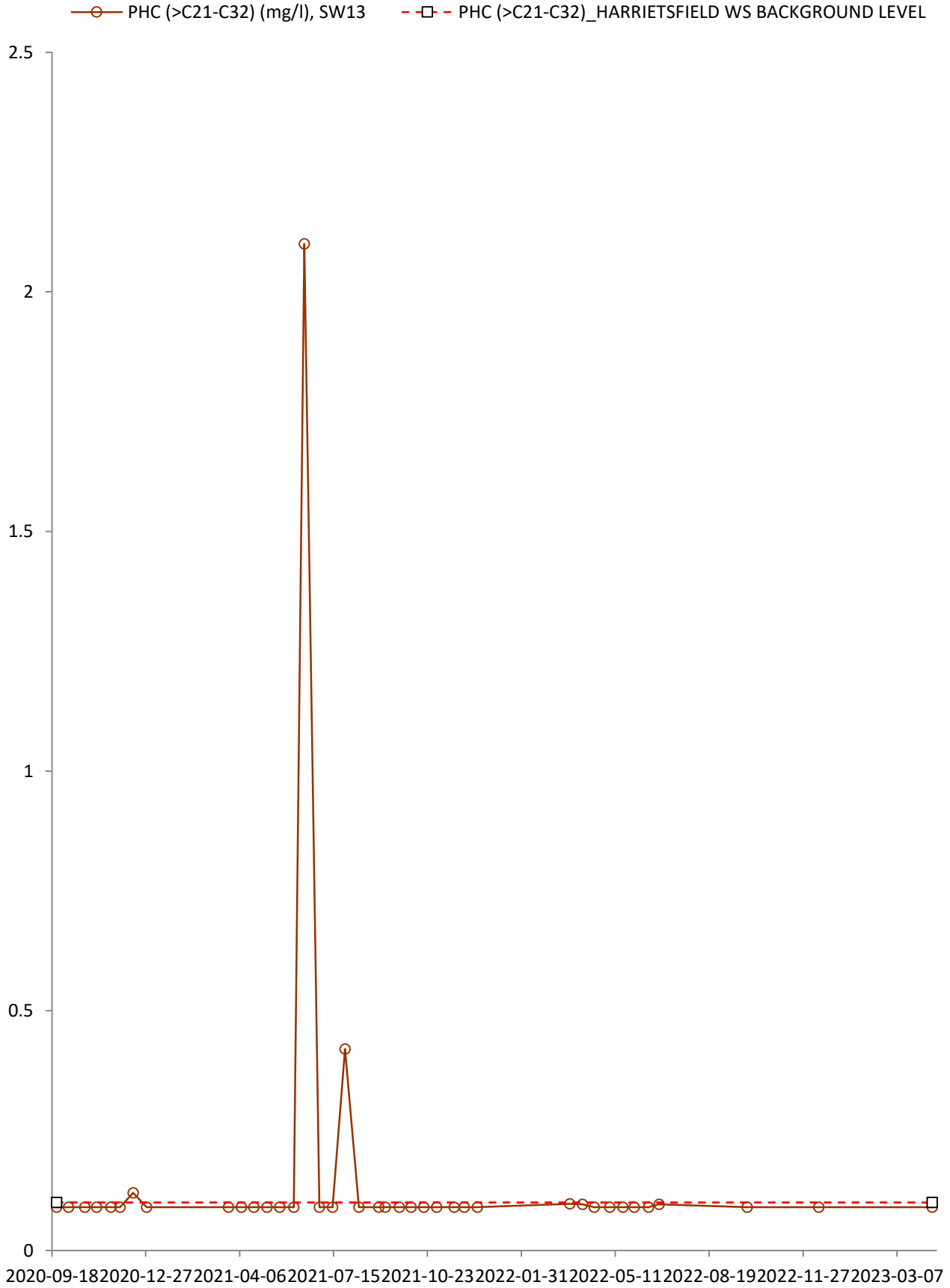


- Orthophosphate(as P) (mg/l), SW13
- -□- - Orthophosphate(as P)_HARRIETSFIELD WS BACKGROUND LEVEL

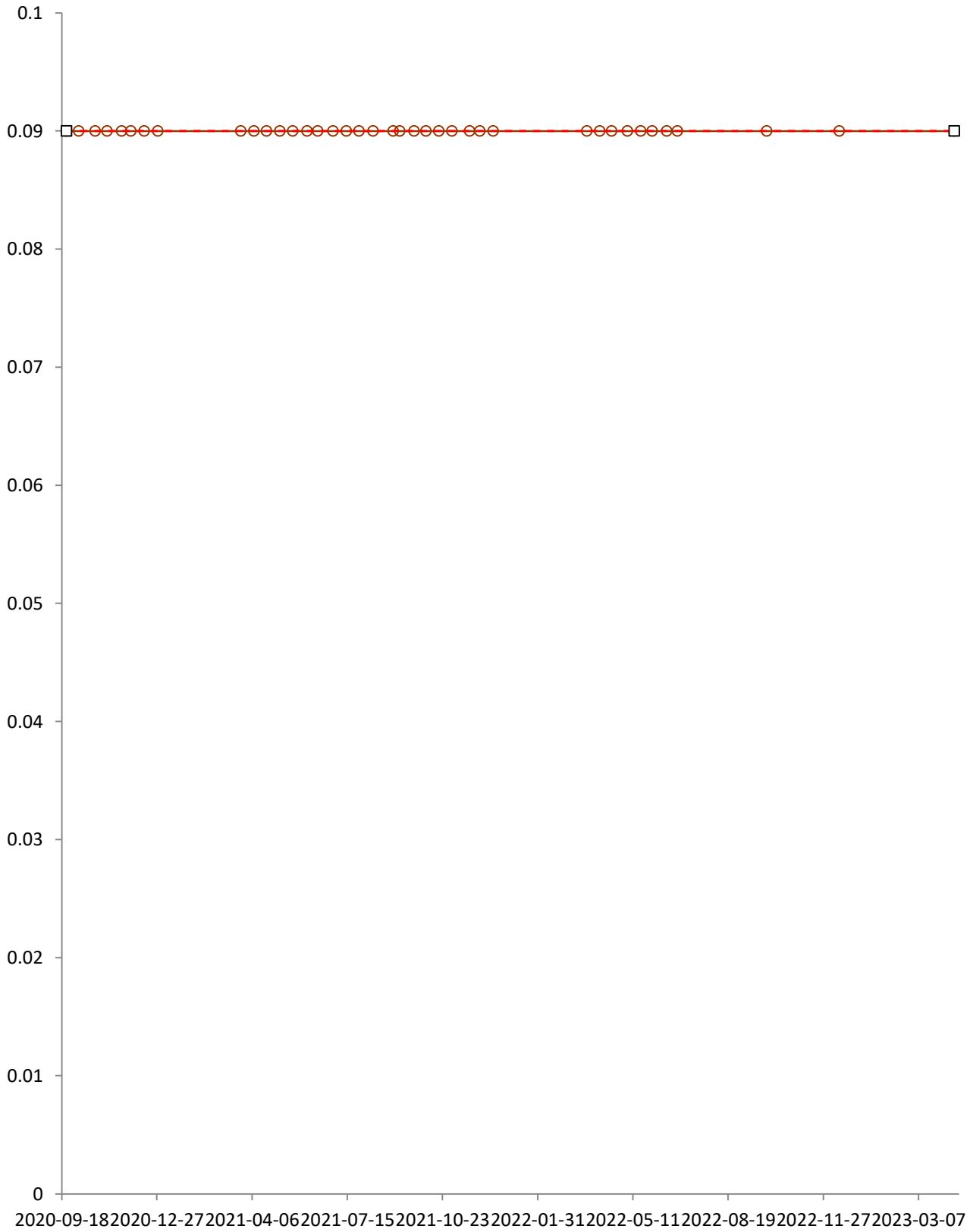


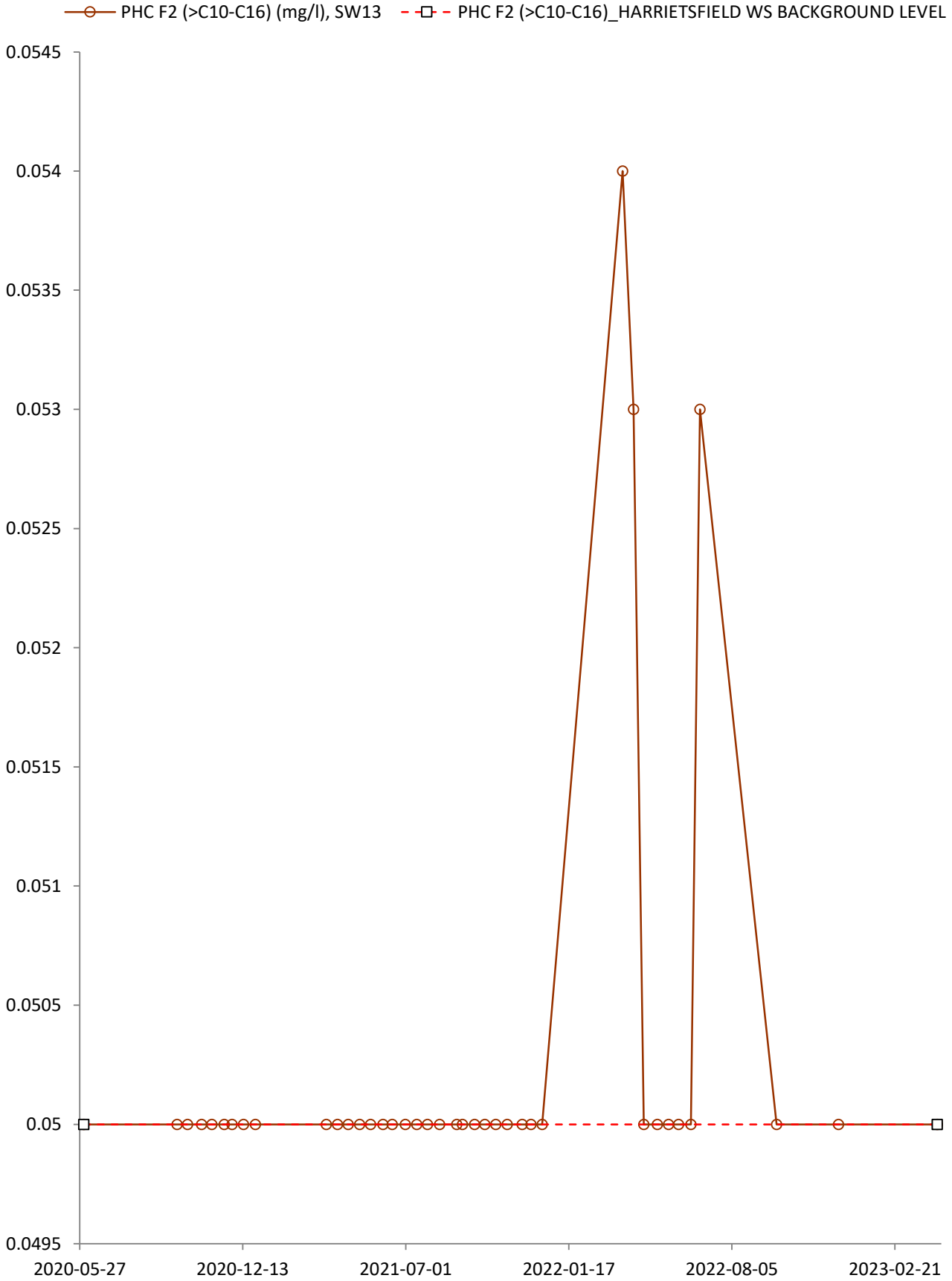


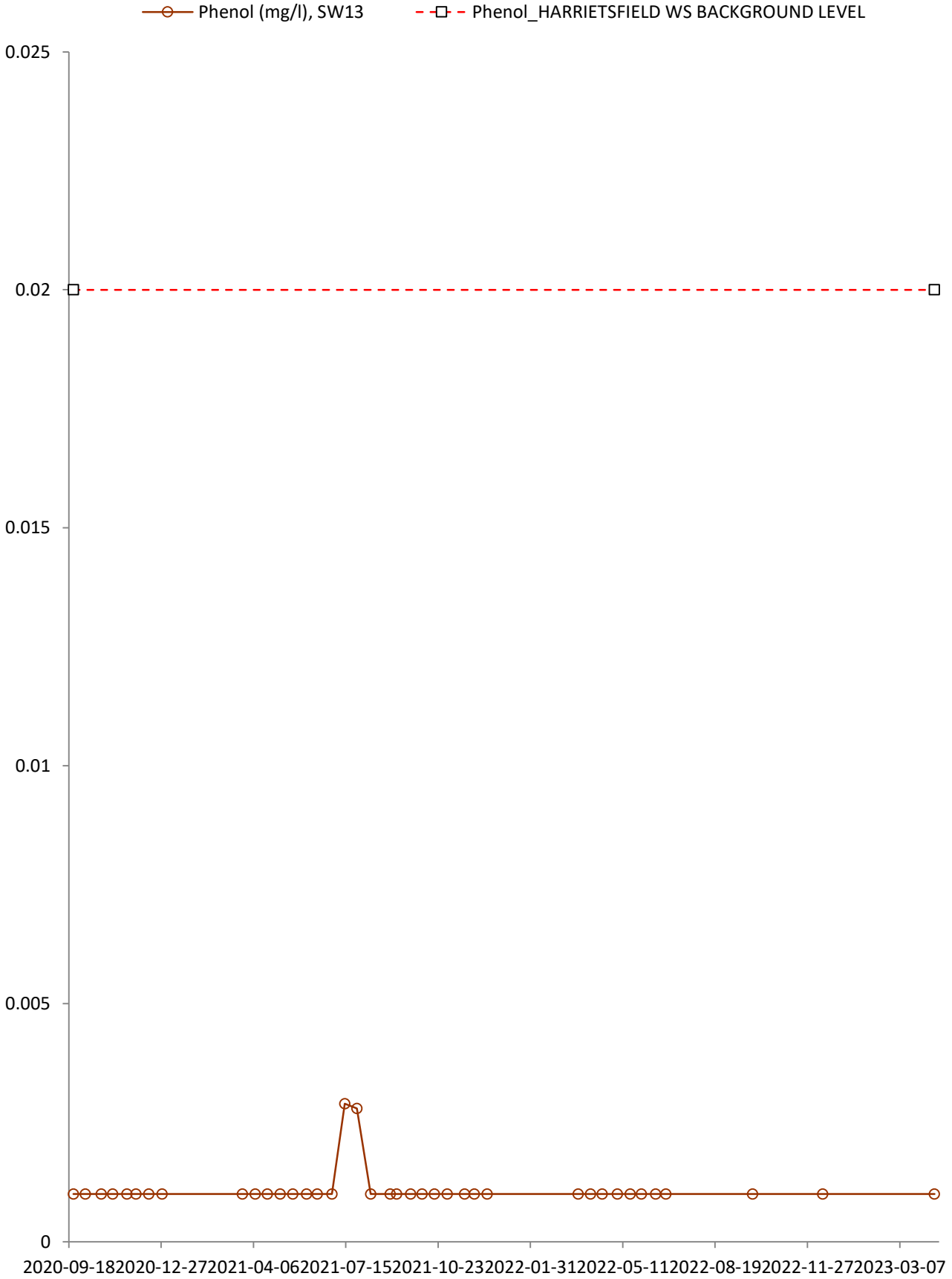


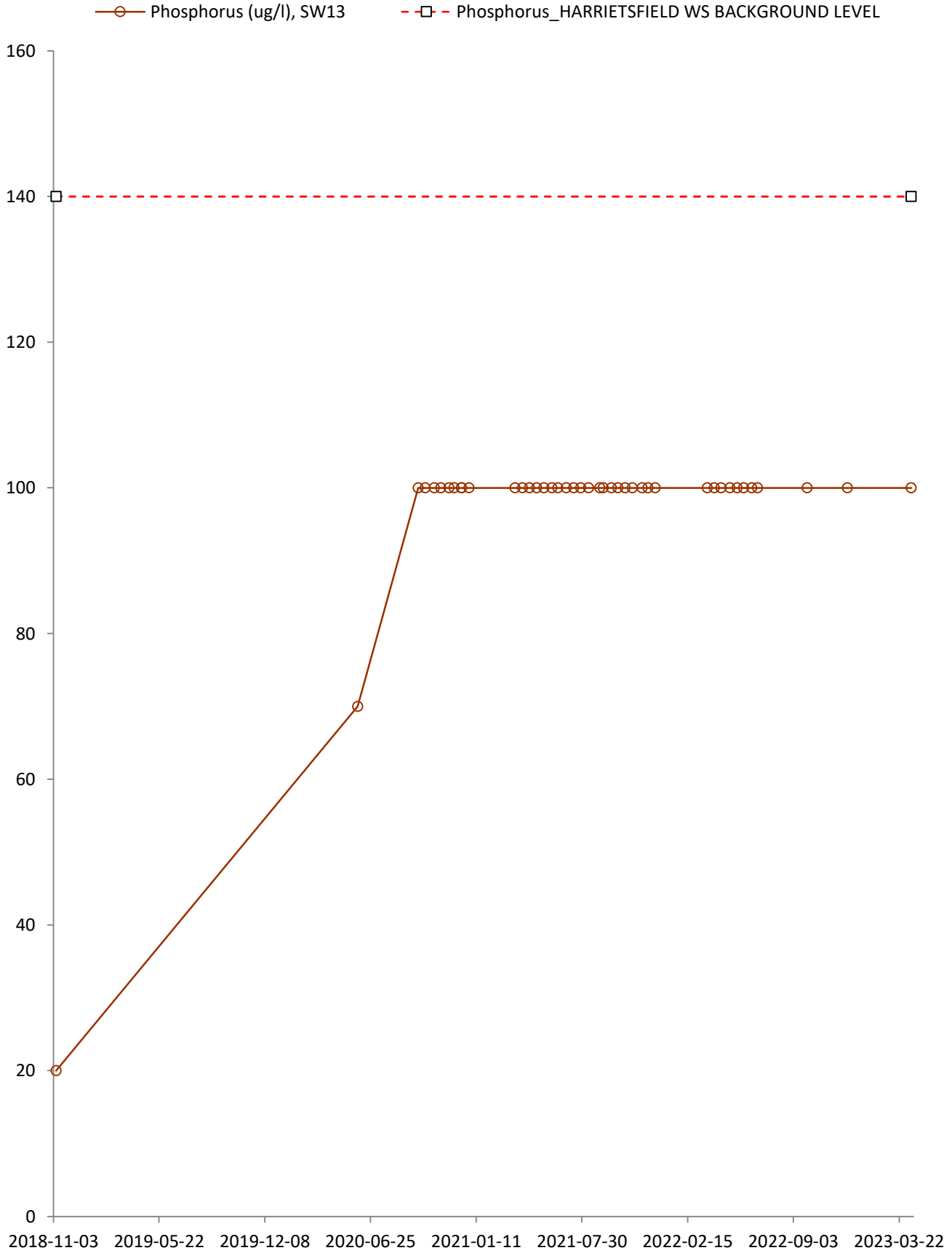


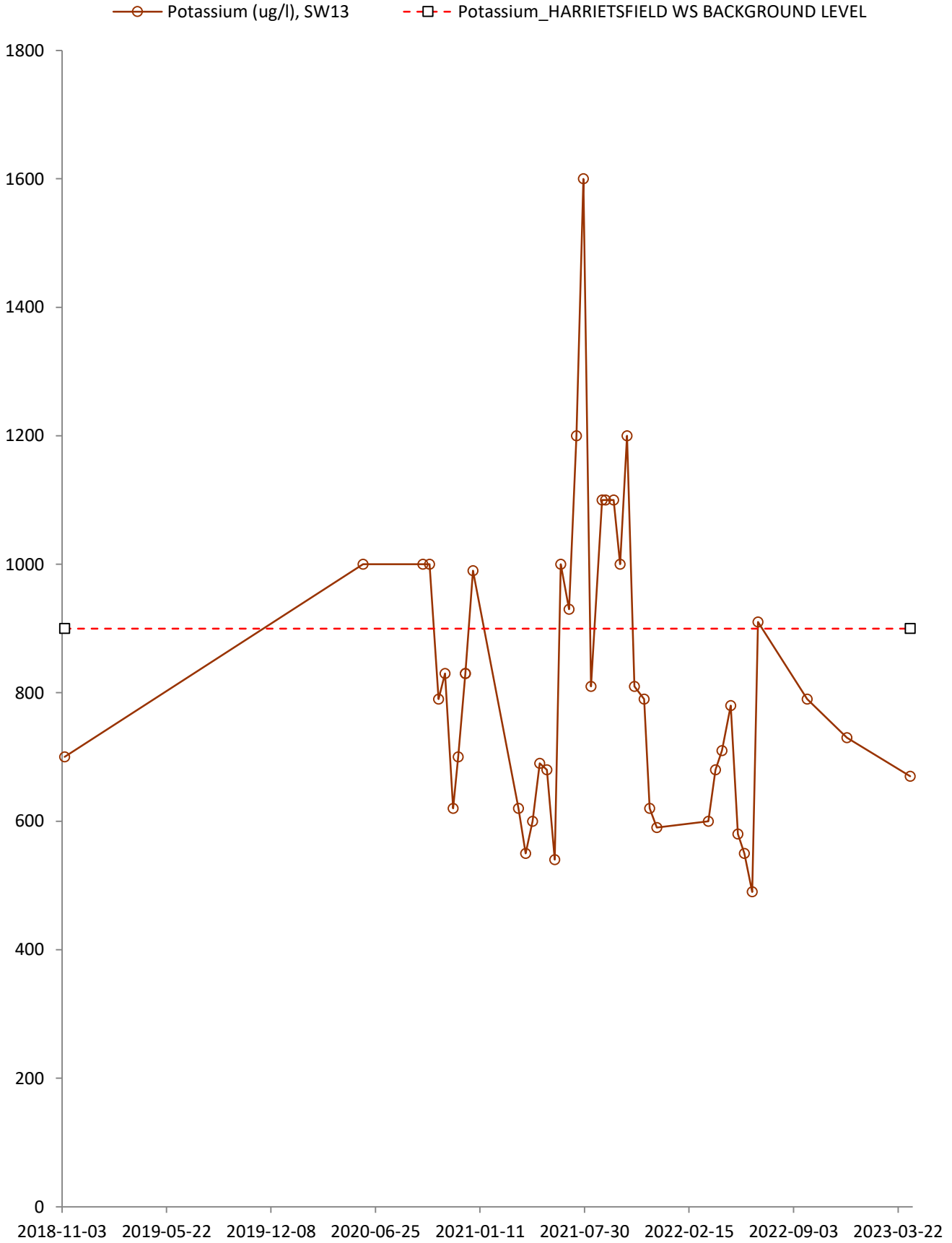
—○— PHC F1 (C6-C10) min BTEX (mg/l), SW13
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WS BACKGROUND LEVEL

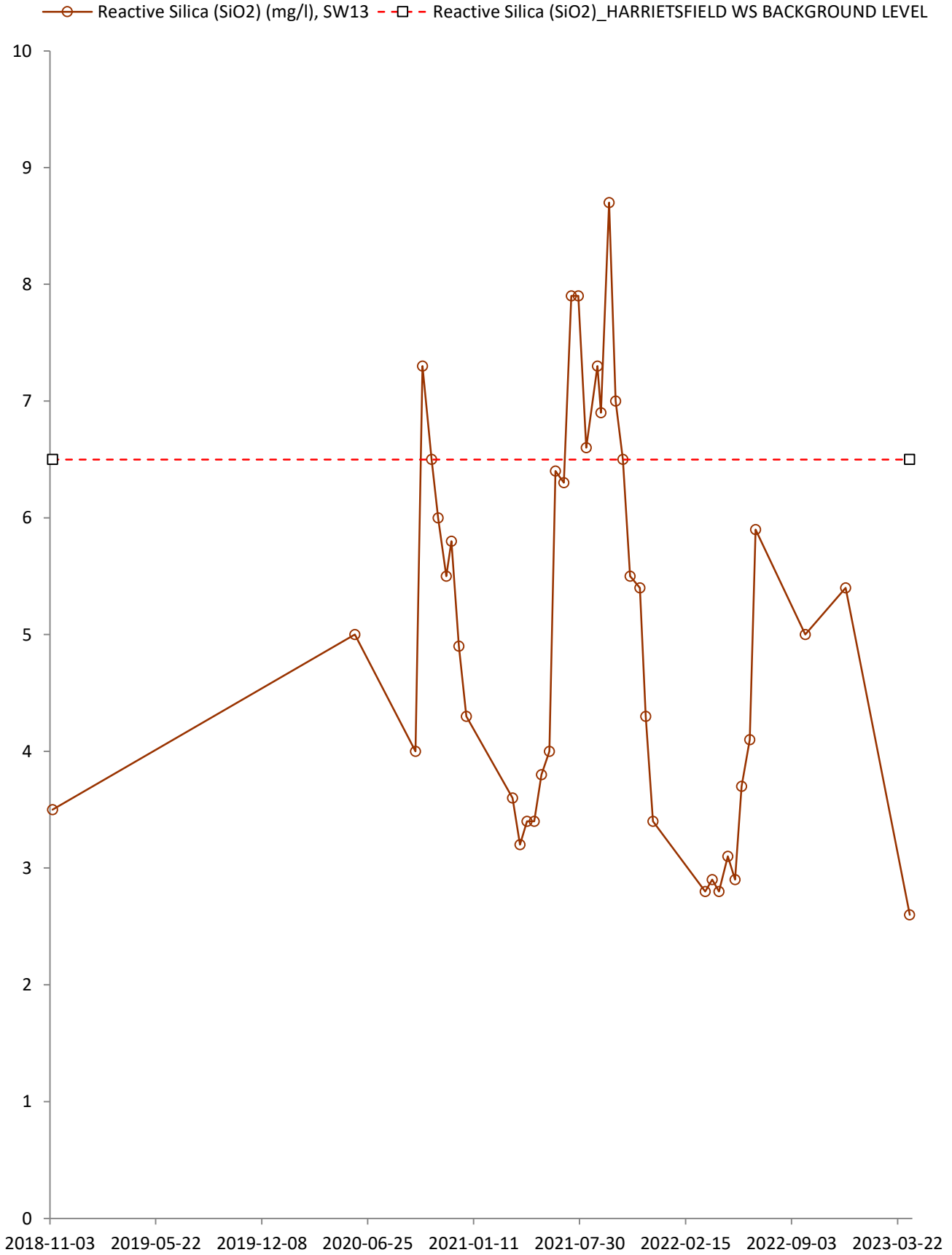


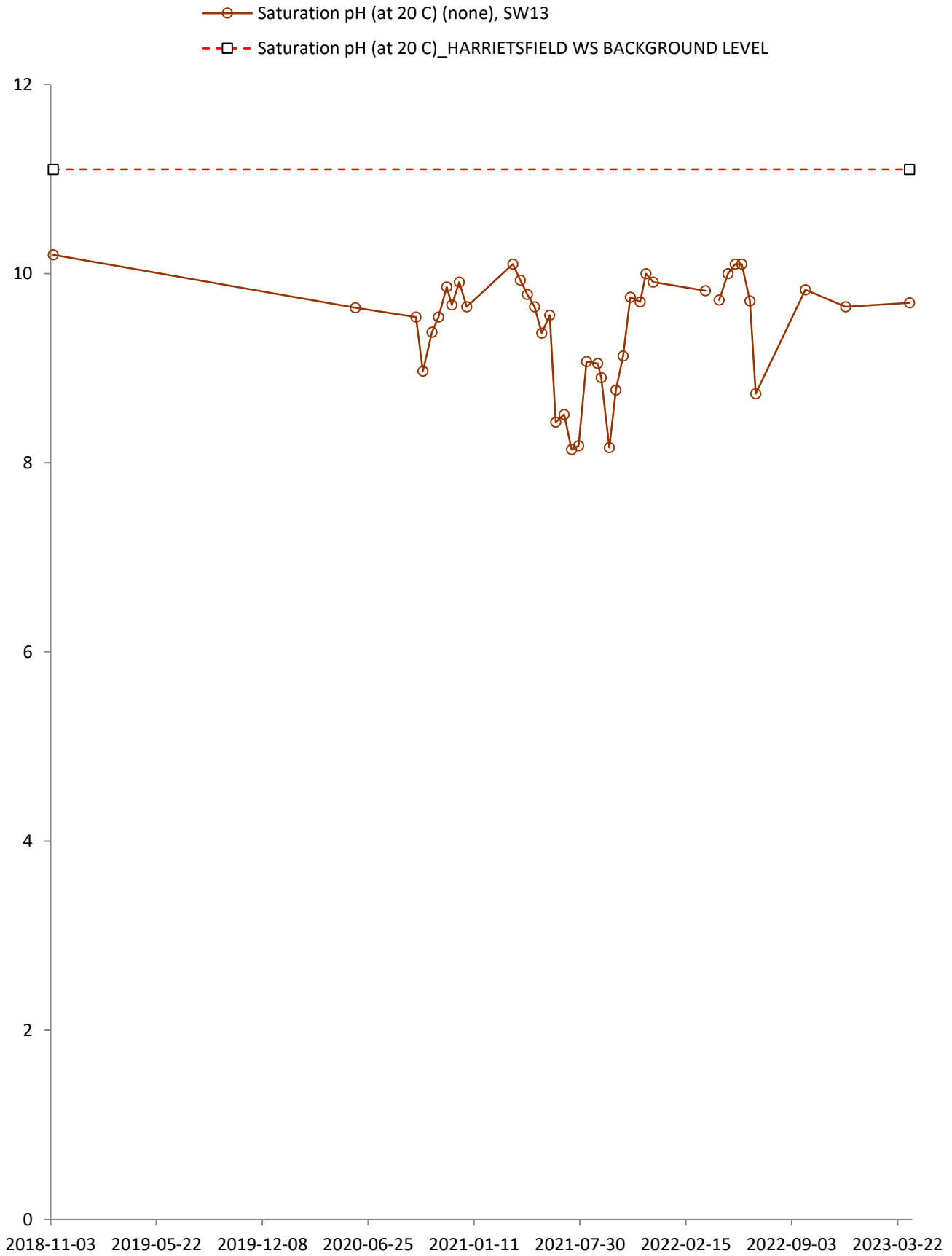




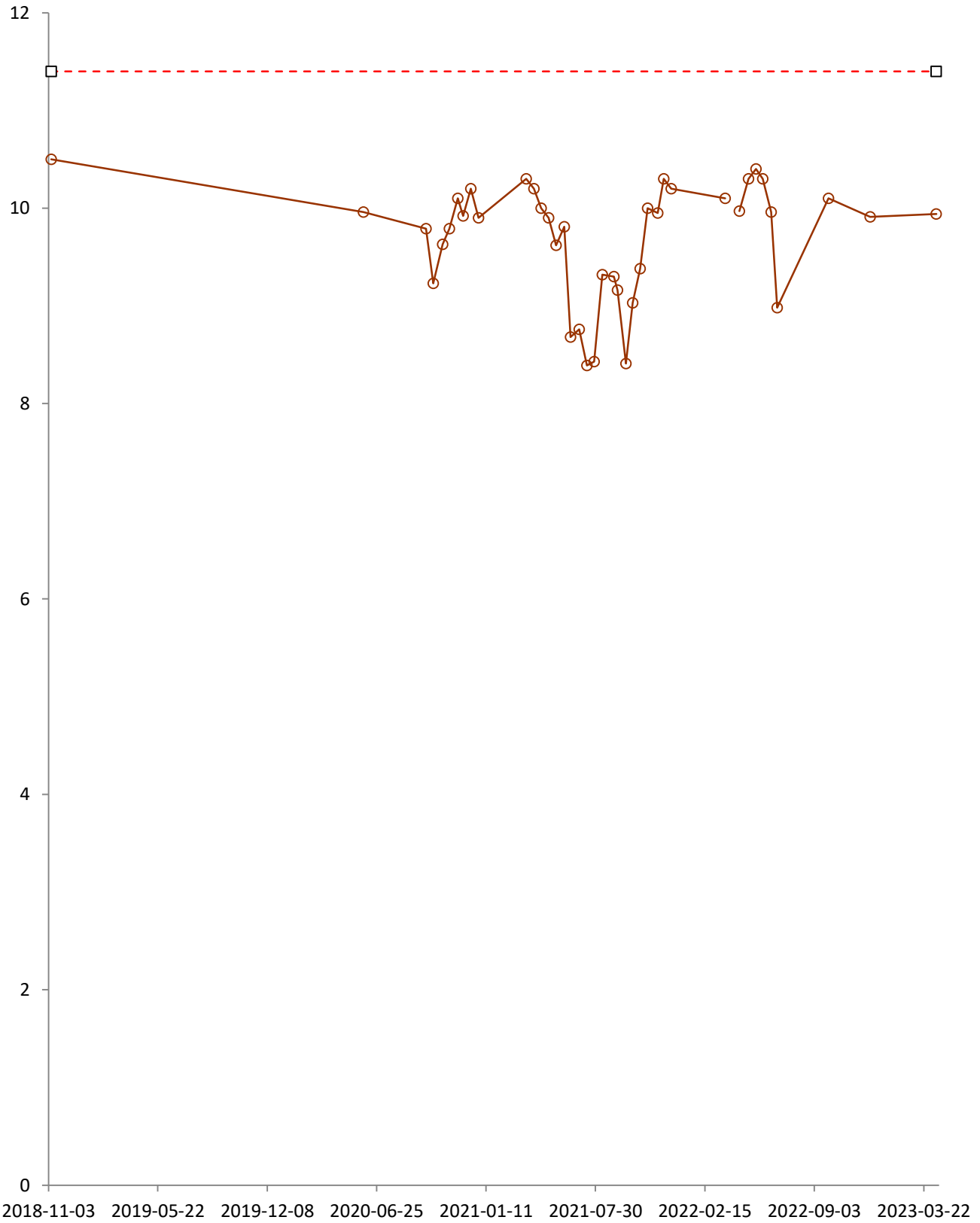


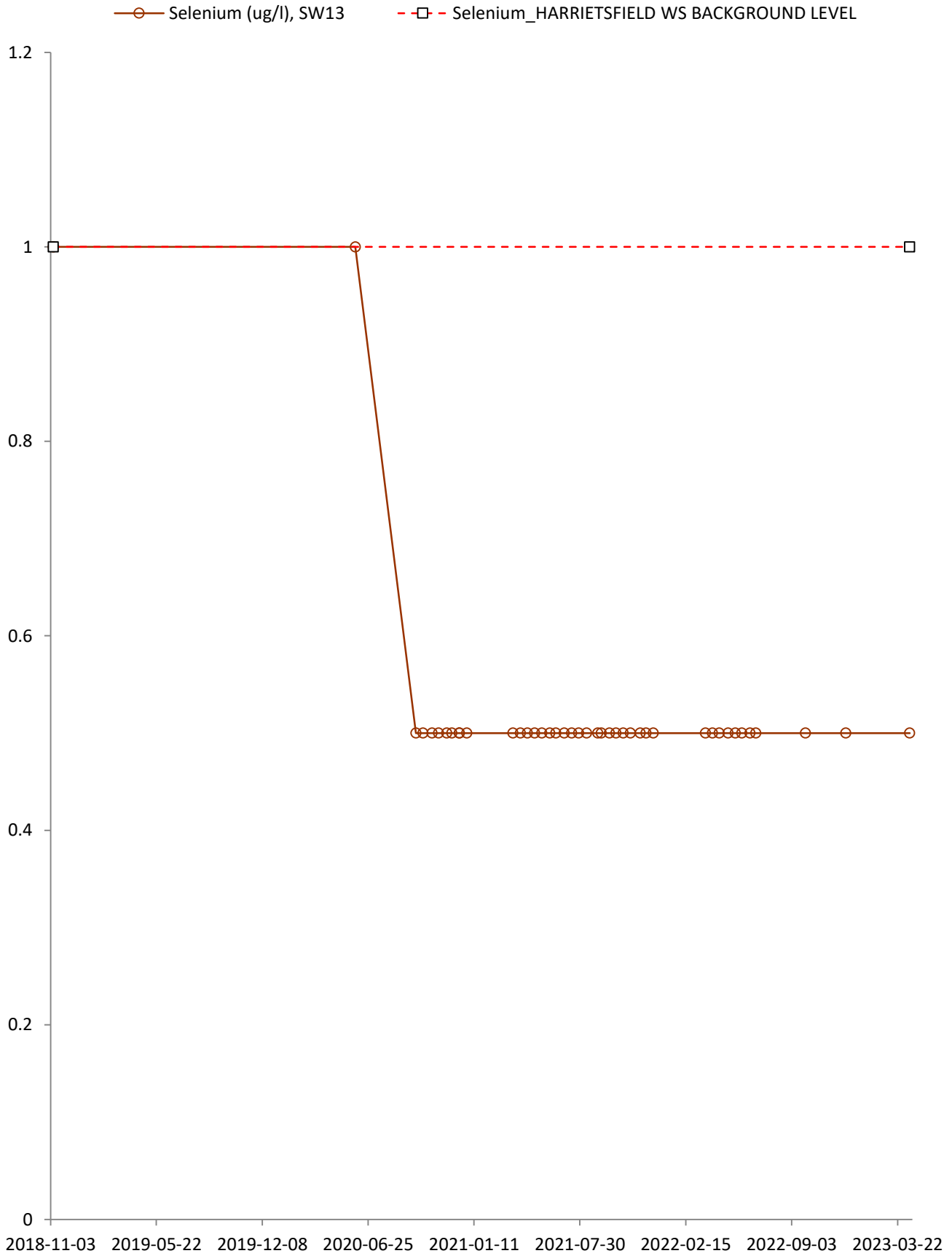


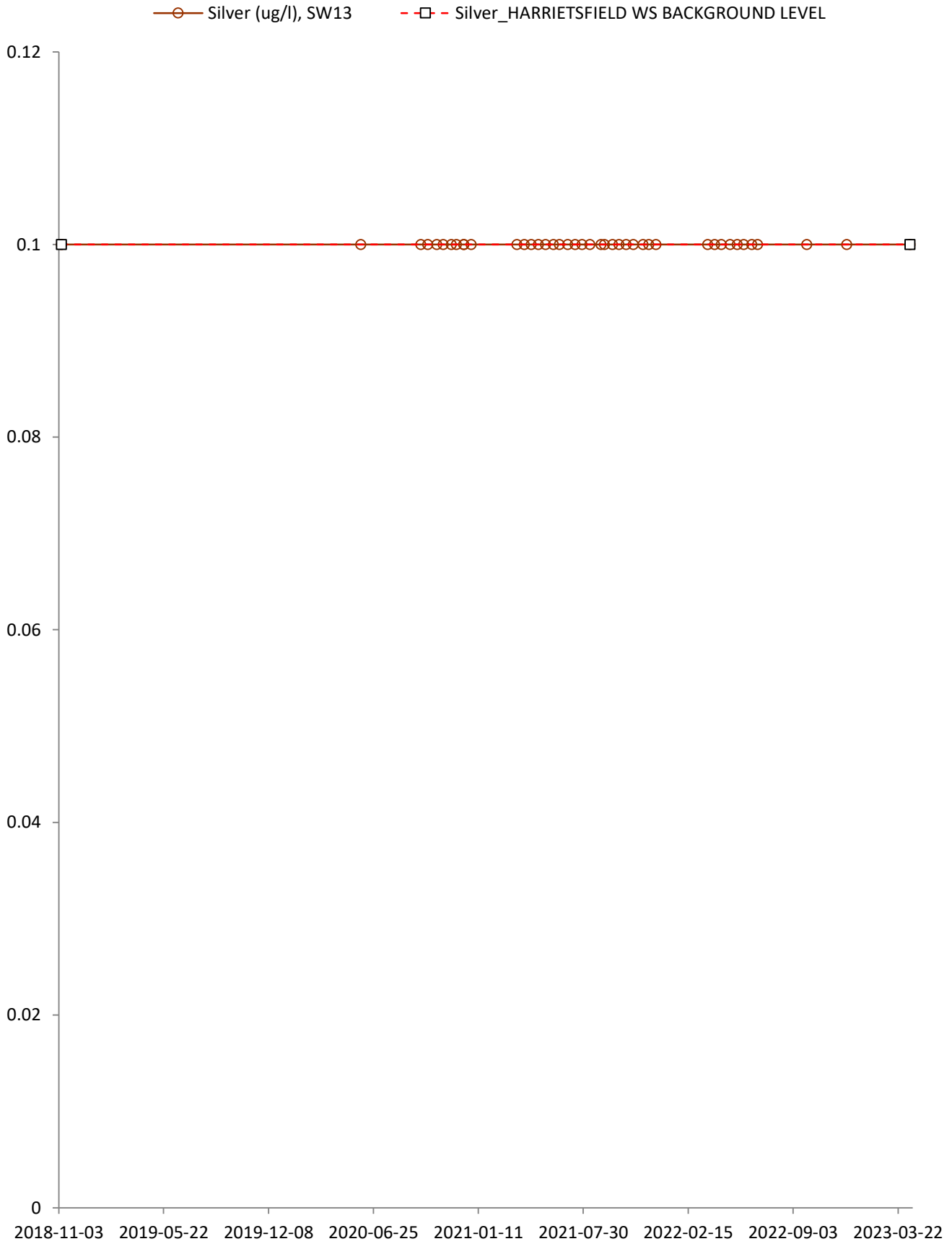


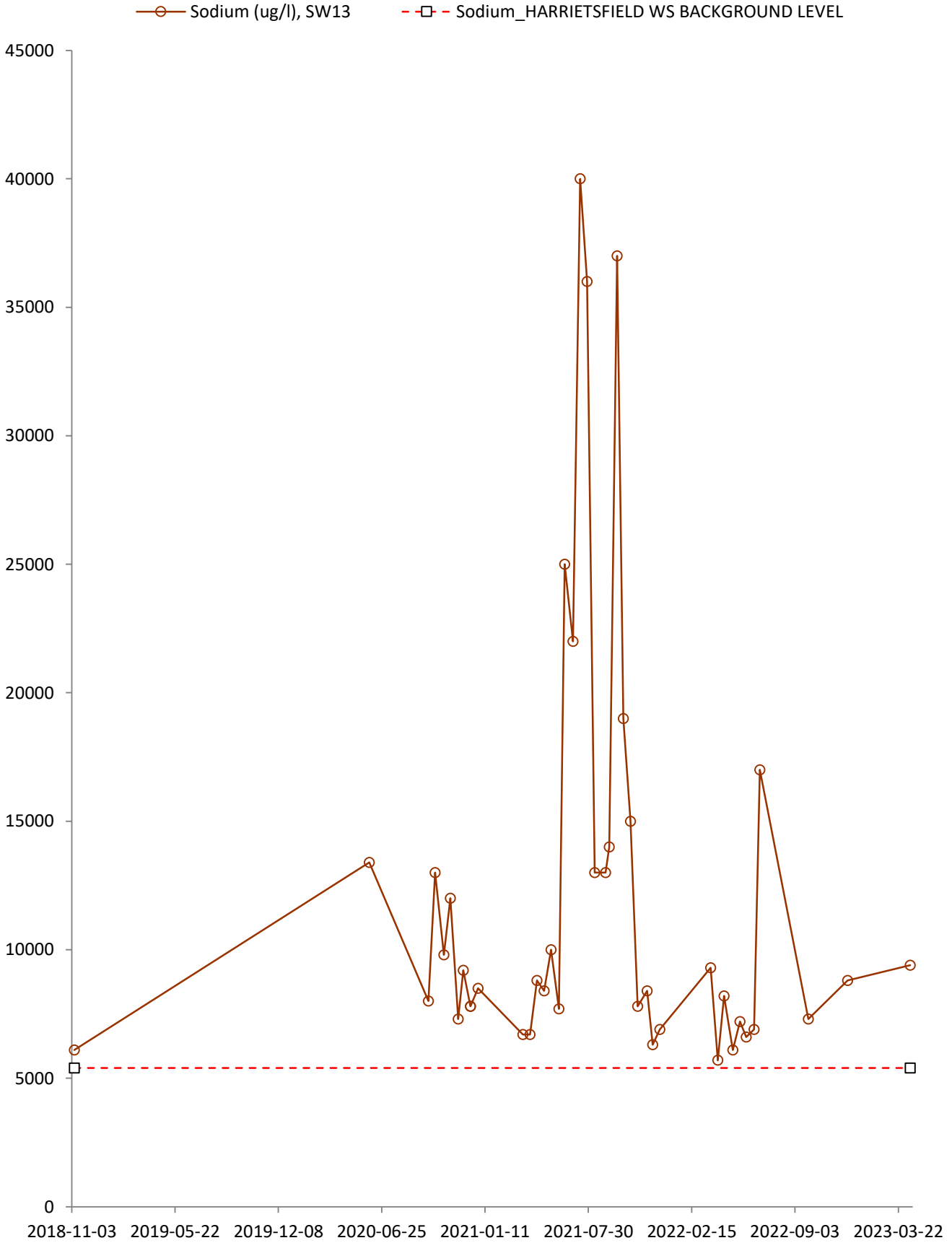


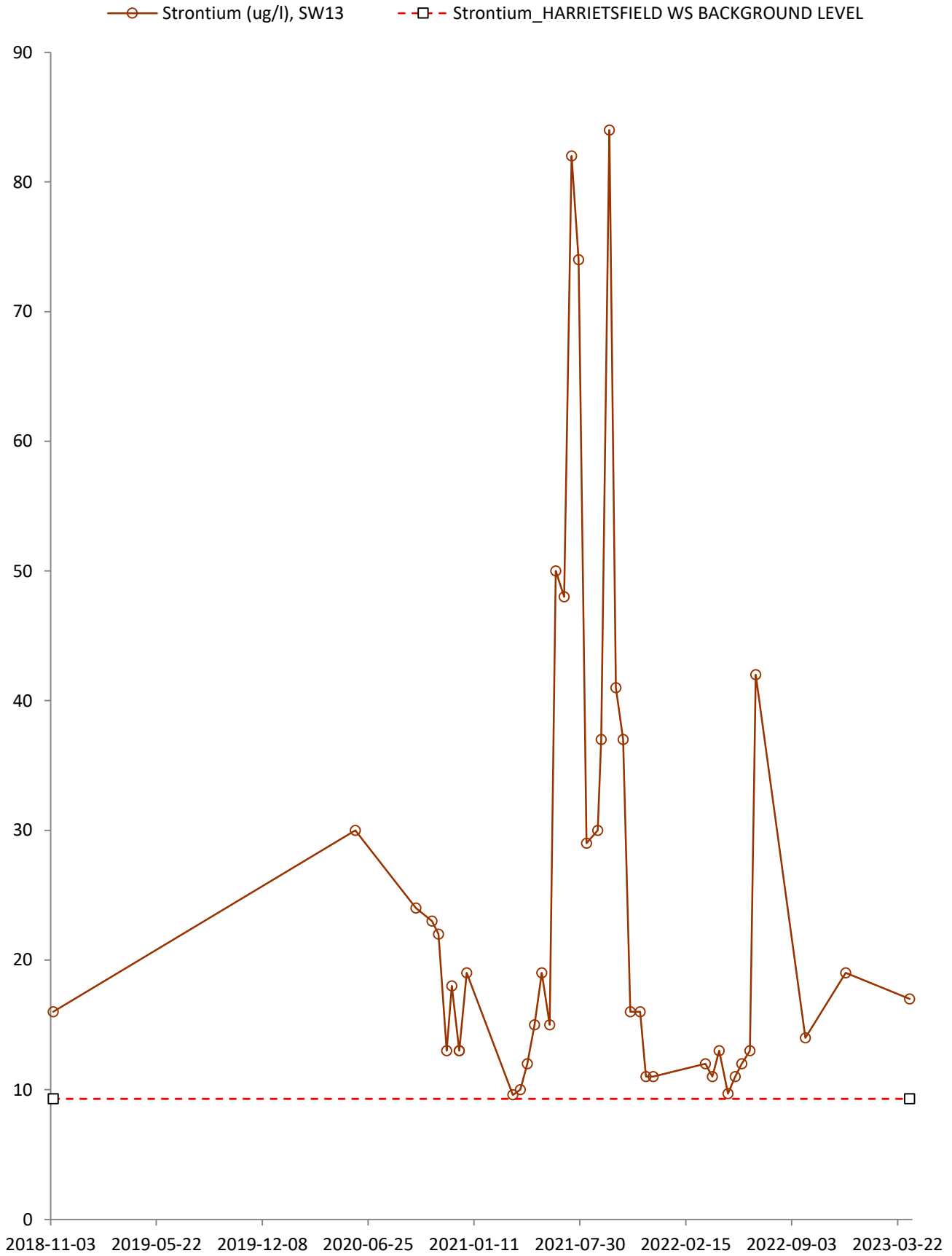
—○— Saturation pH (at 4 C) (none), SW13
- -□- - Saturation pH (at 4 C)_HARRIETSFIELD WS BACKGROUND LEVEL



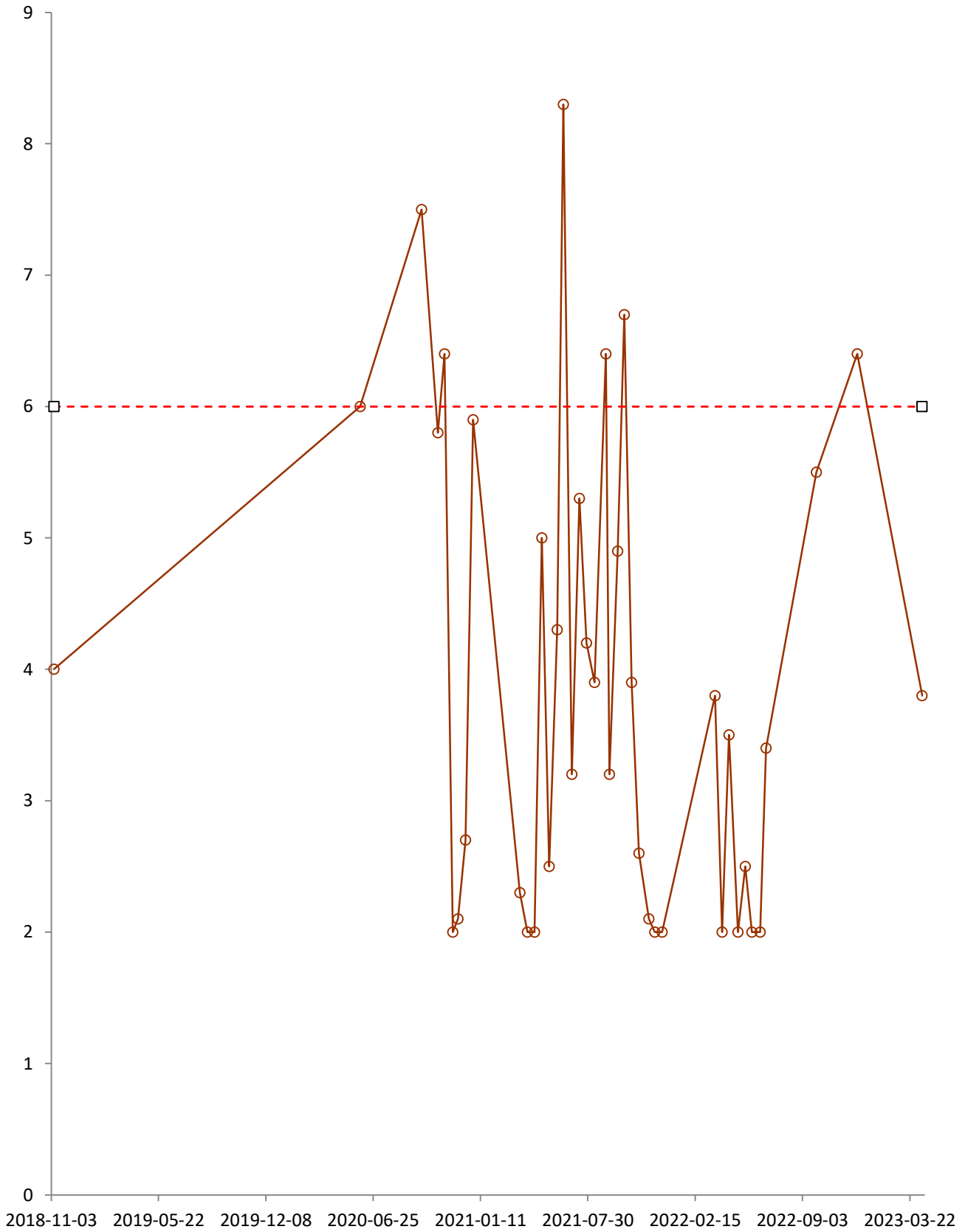


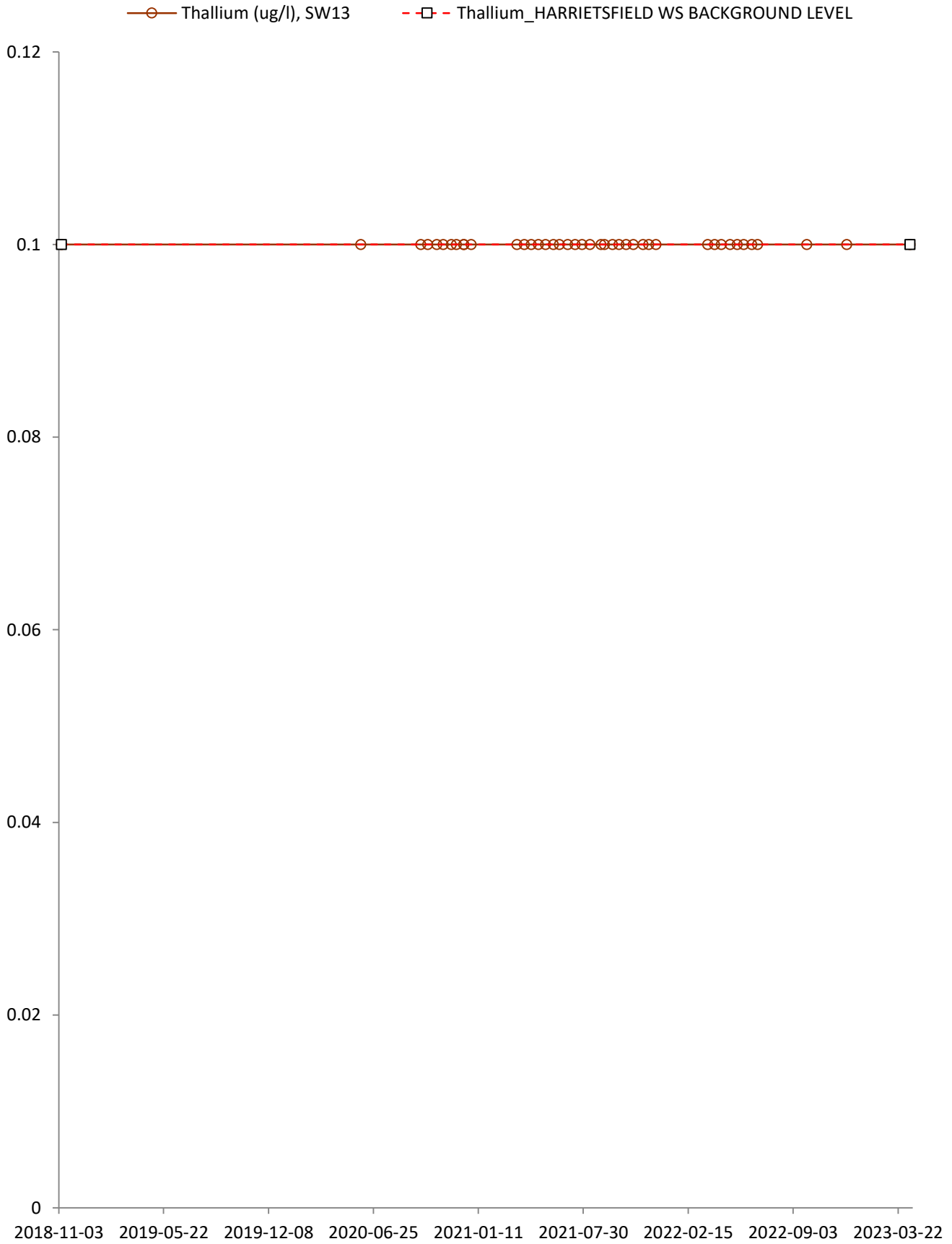




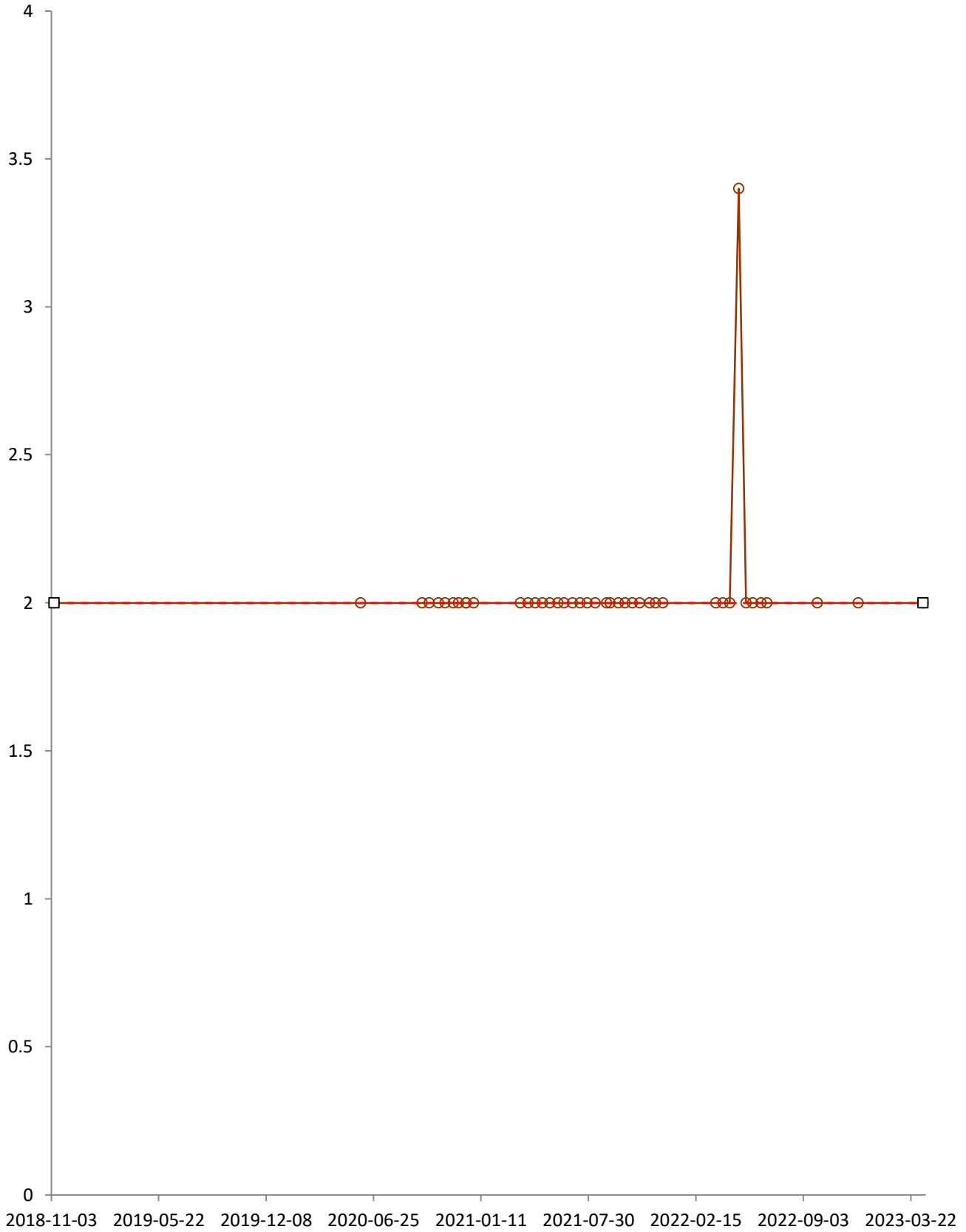


—○— Sulphate (mg/l), SW13 - -□- - Sulphate_HARRIETSFIELD WS BACKGROUND LEVEL

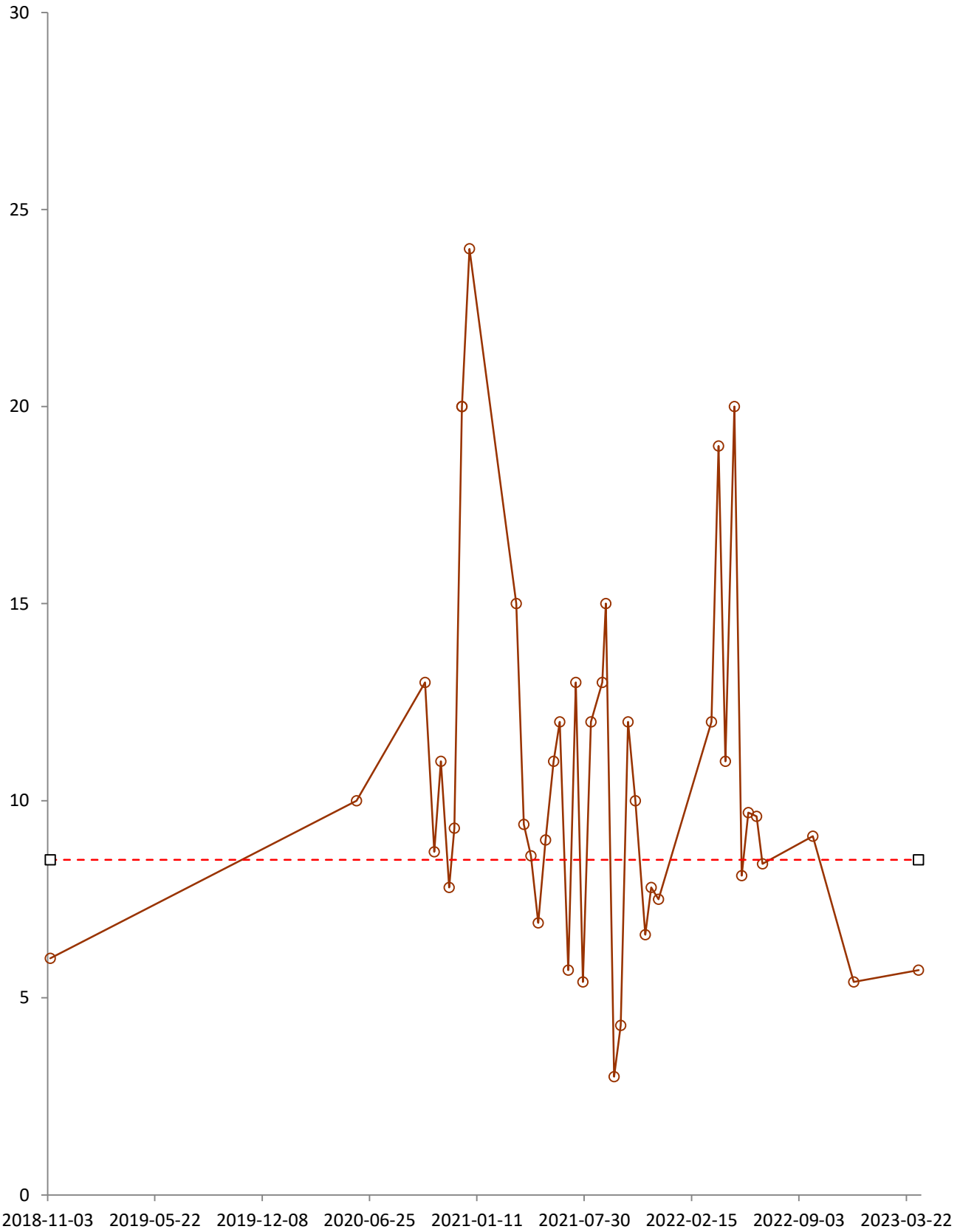


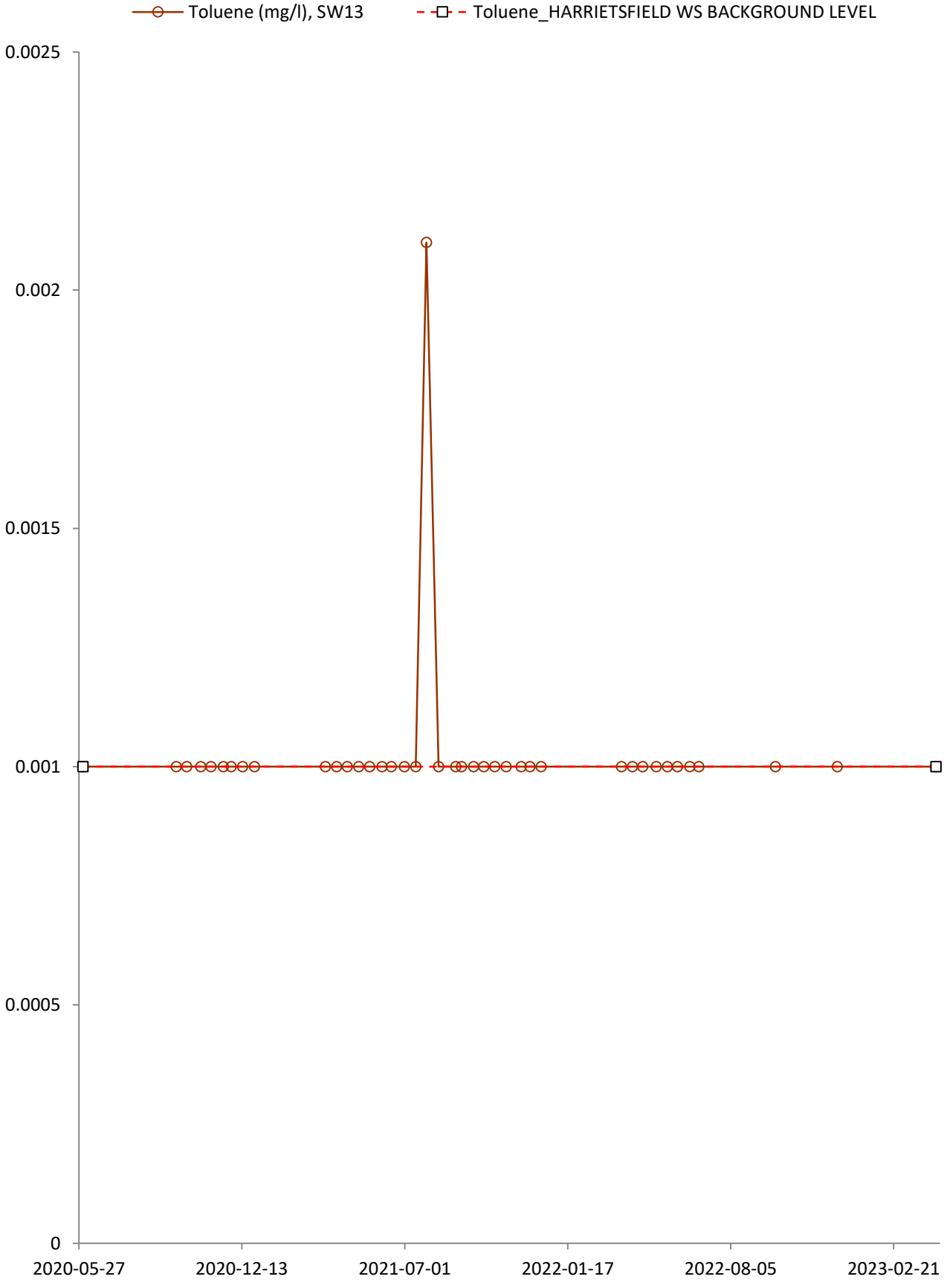


—○— Tin (ug/l), SW13 - -□- - Tin_HARRIETSFIELD WS BACKGROUND LEVEL

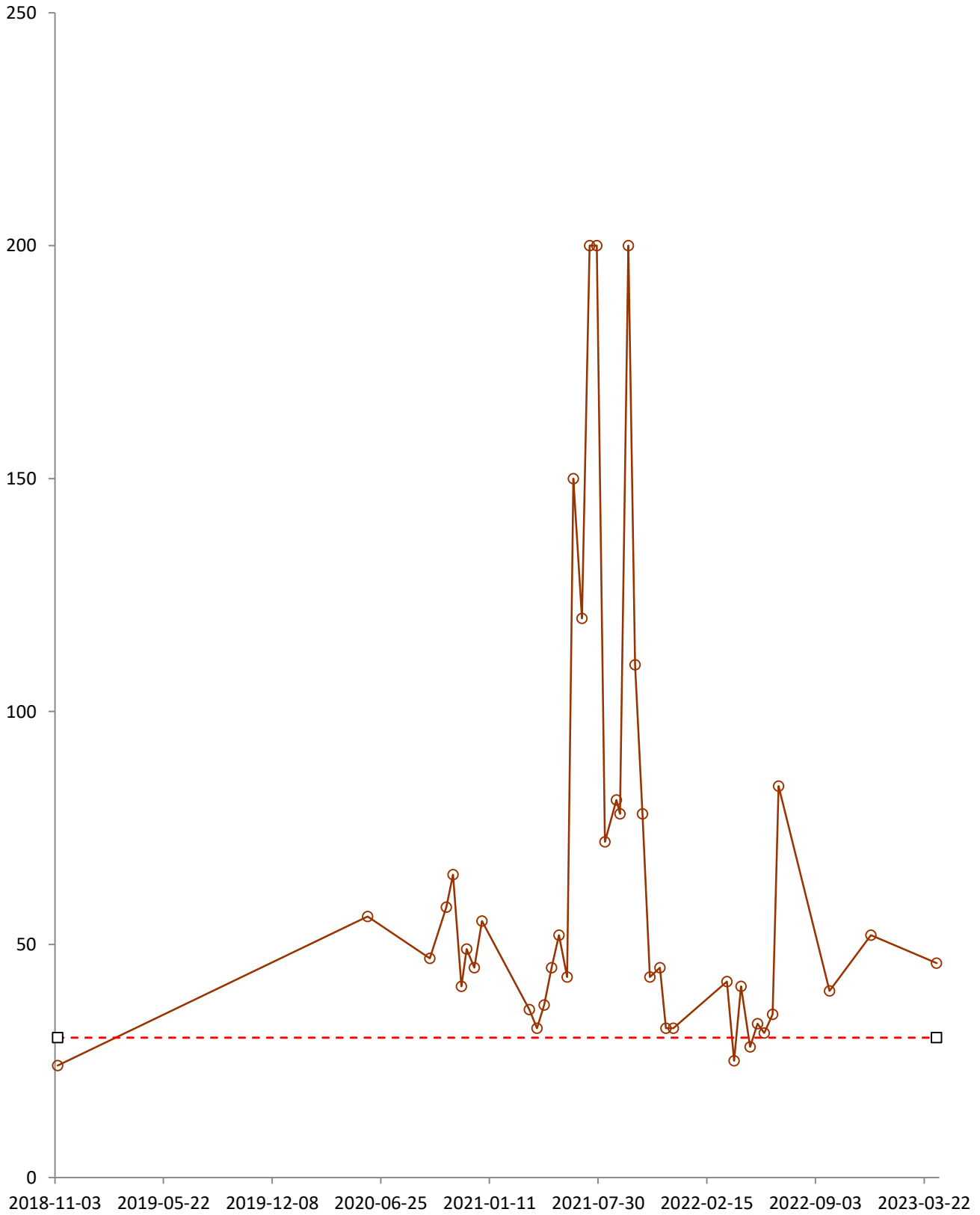


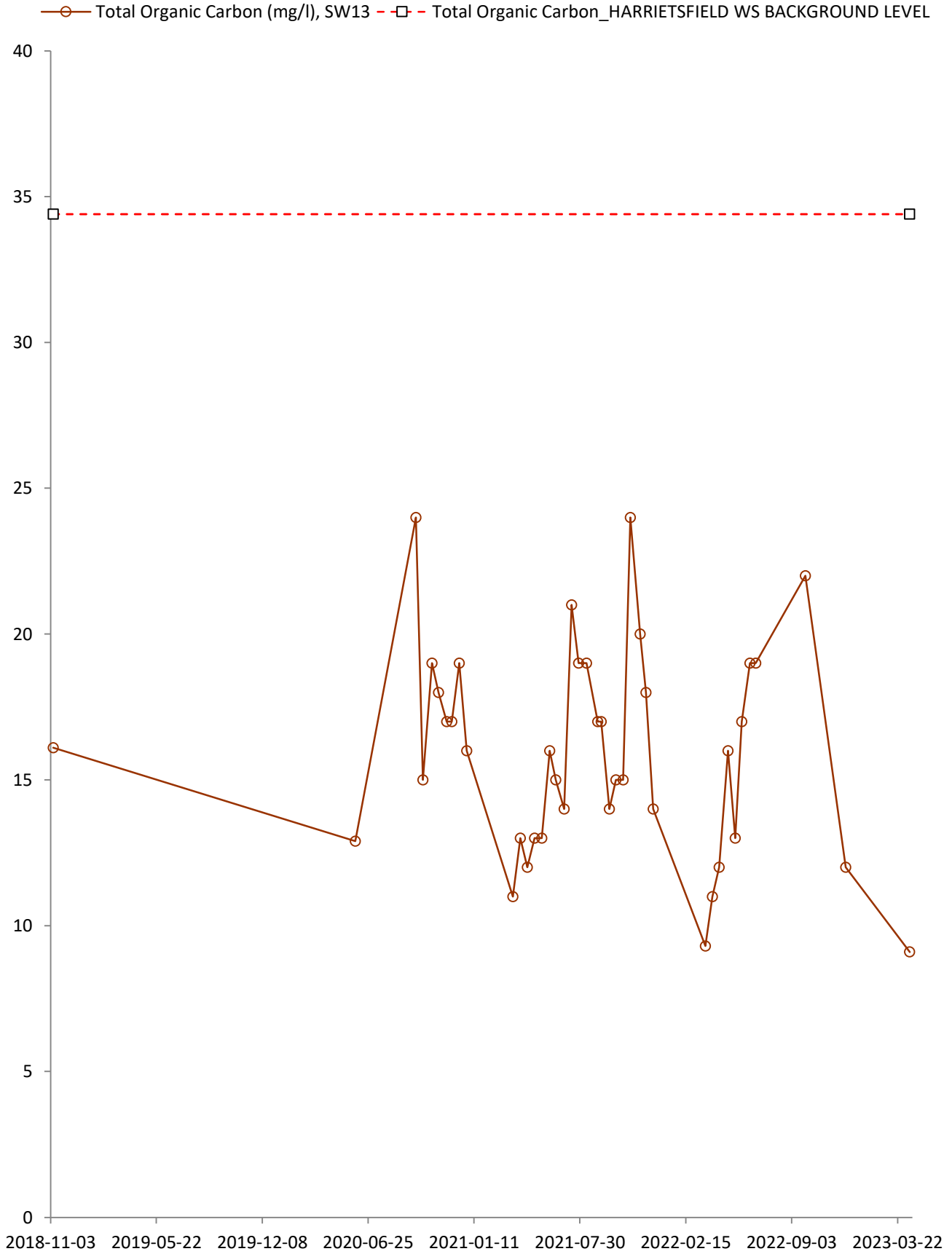
—○— Titanium (ug/l), SW13 - -□- - Titanium_HARRIETSFIELD WS BACKGROUND LEVEL



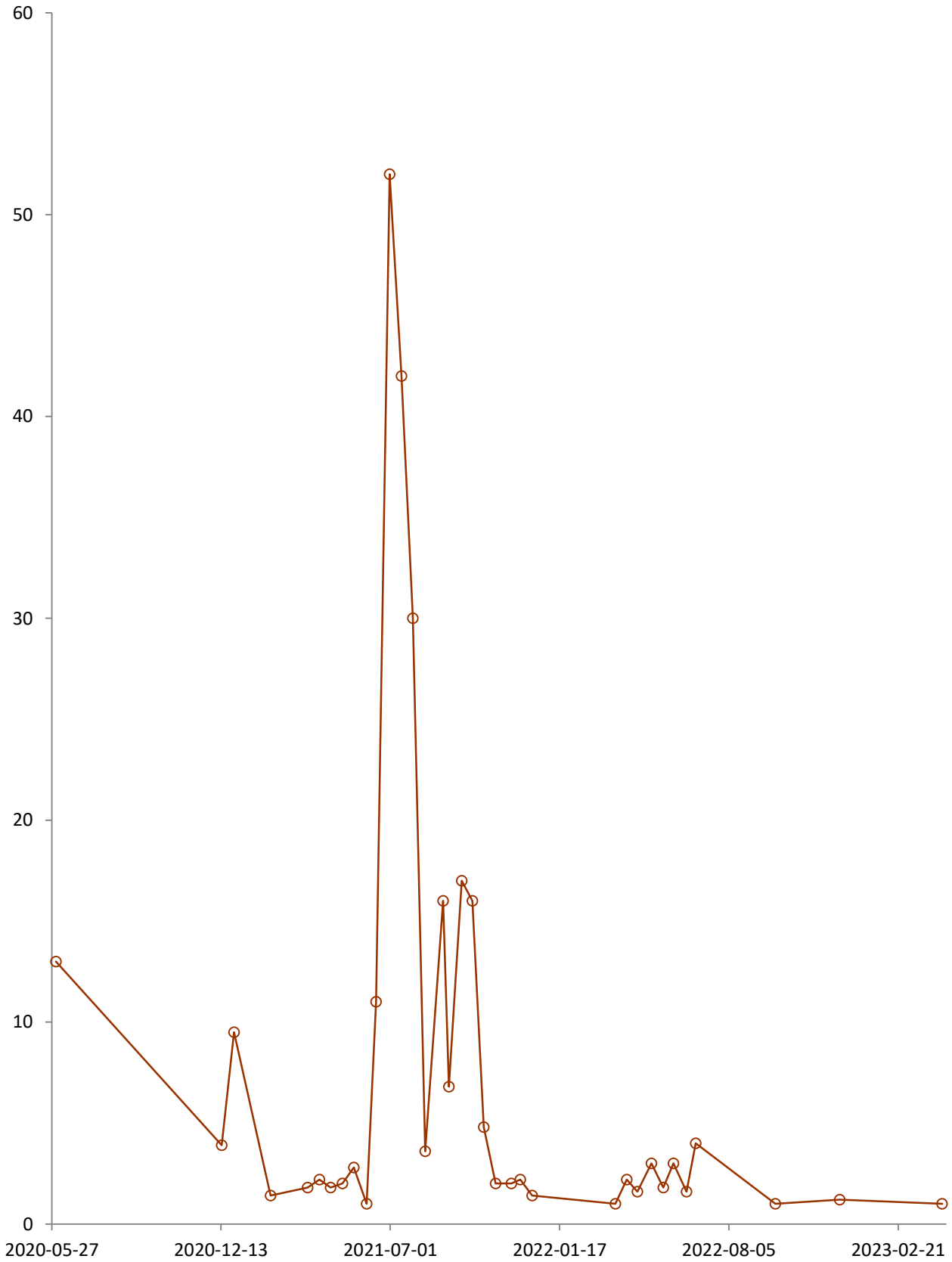


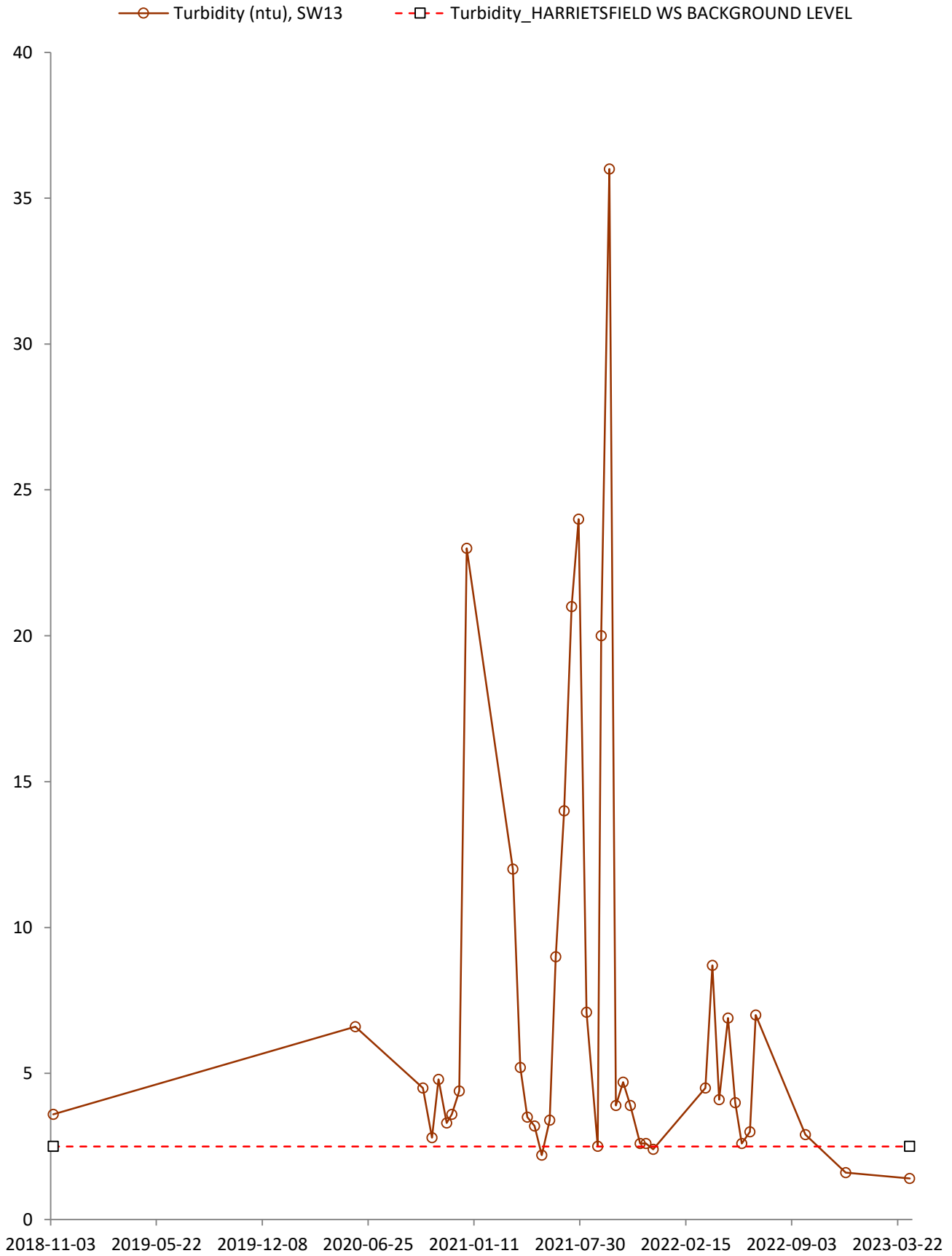
- Total Diss Solids (Lab) (mg/l), SW13
- Total Diss Solids (Lab)_HARRIETSFIELD WS BACKGROUND LEVEL



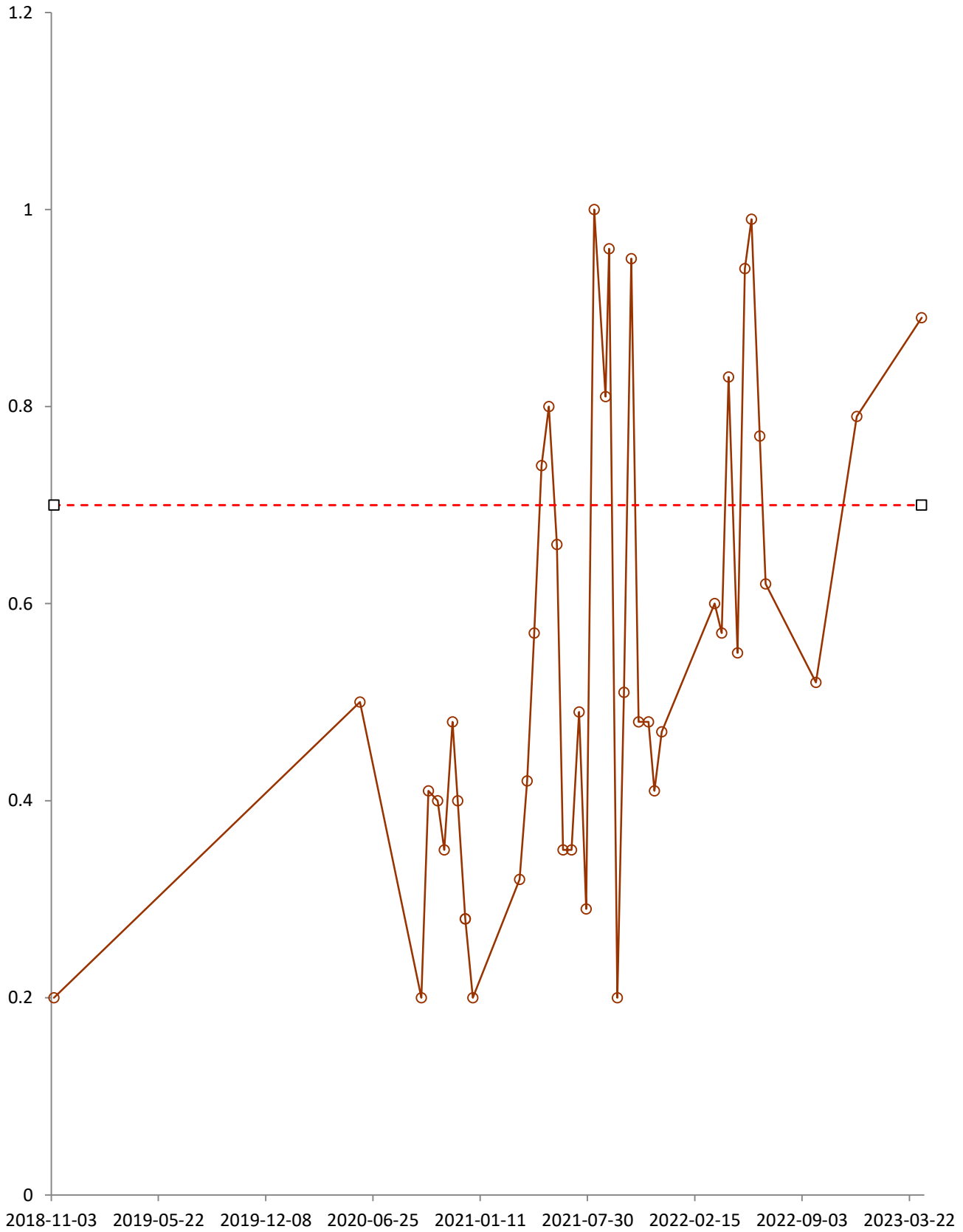


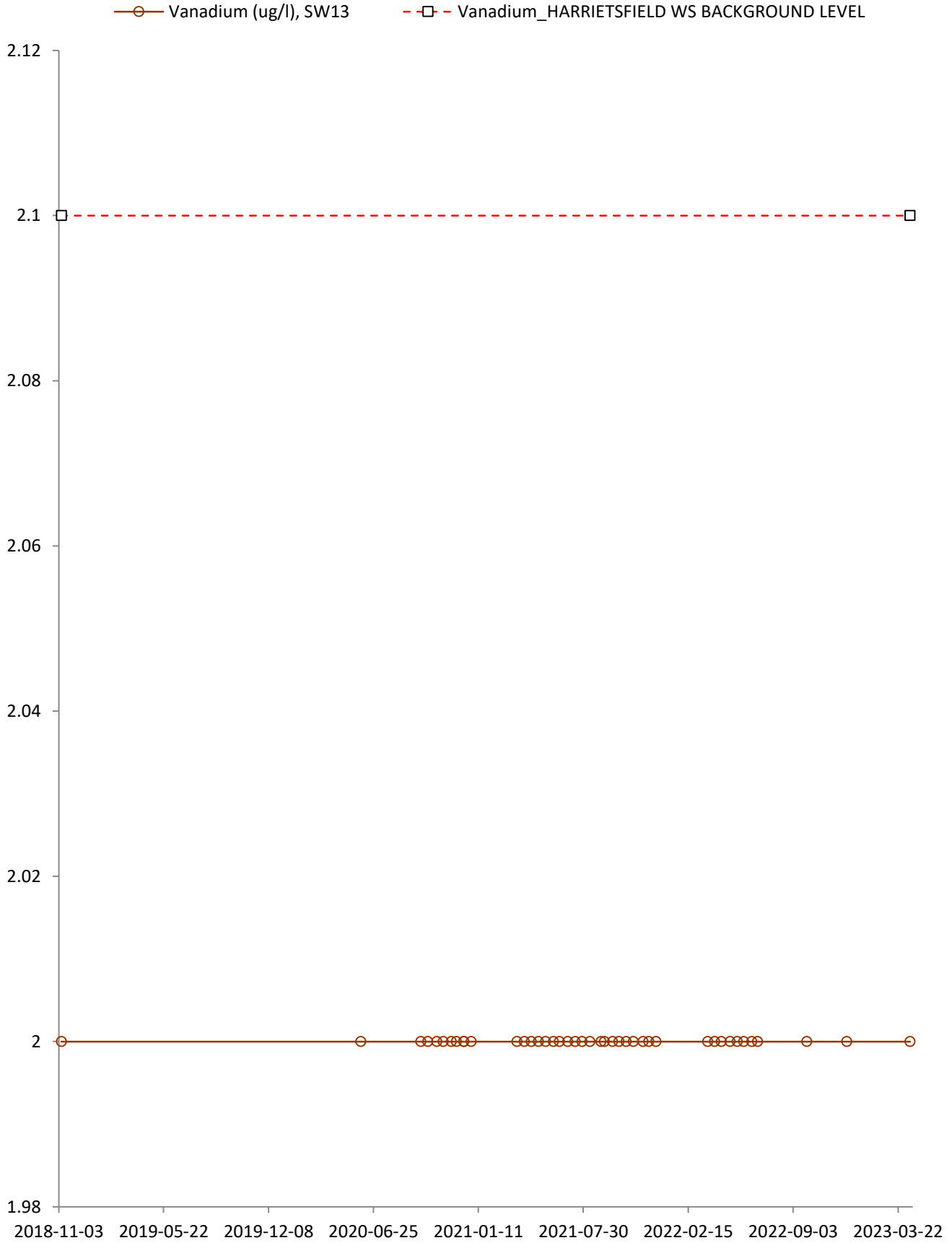
○ Total Suspended Solids (mg/l), SW13

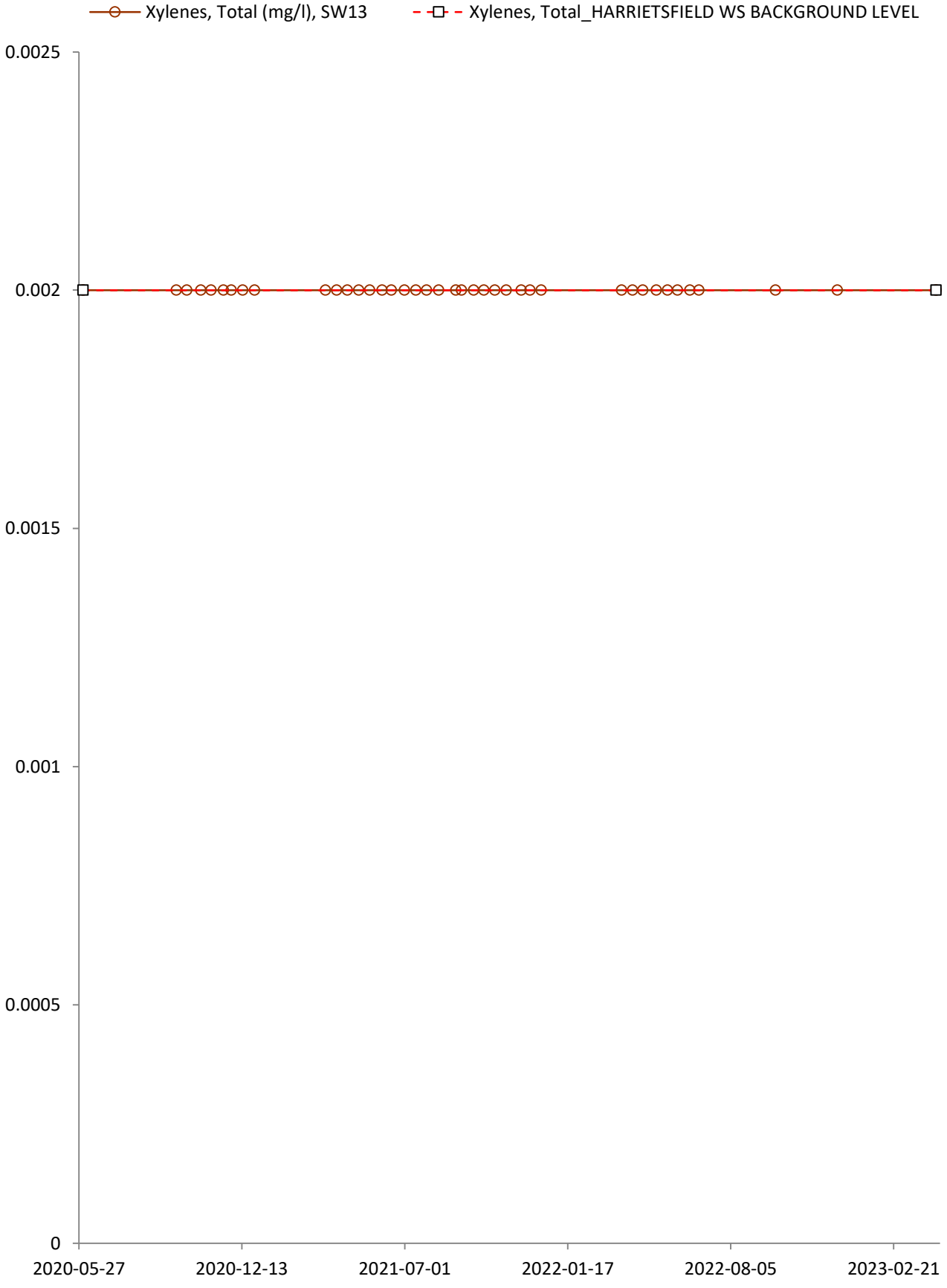




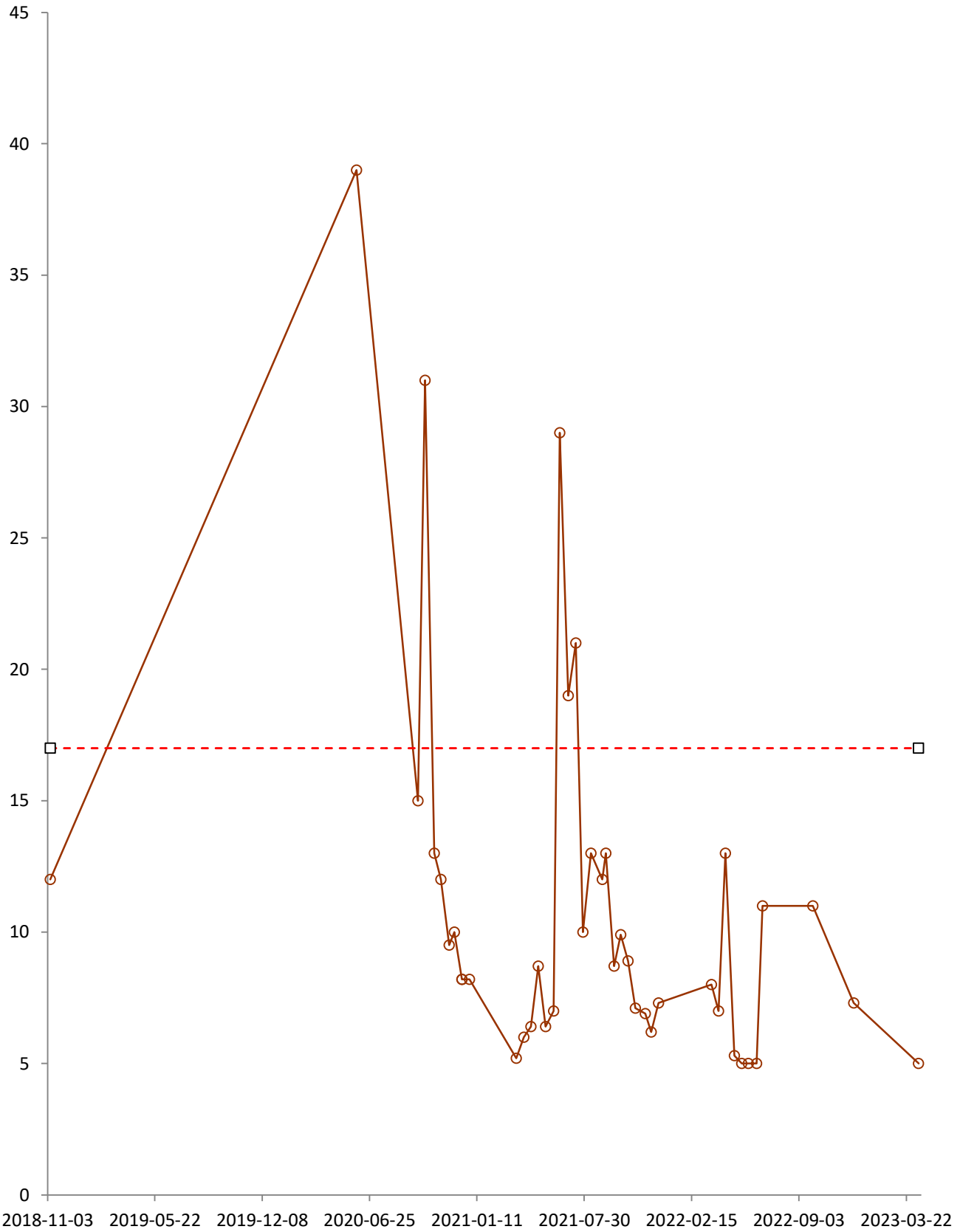
—○— Uranium (ug/l), SW13 - -□- - Uranium_HARRIETSFIELD WS BACKGROUND LEVEL



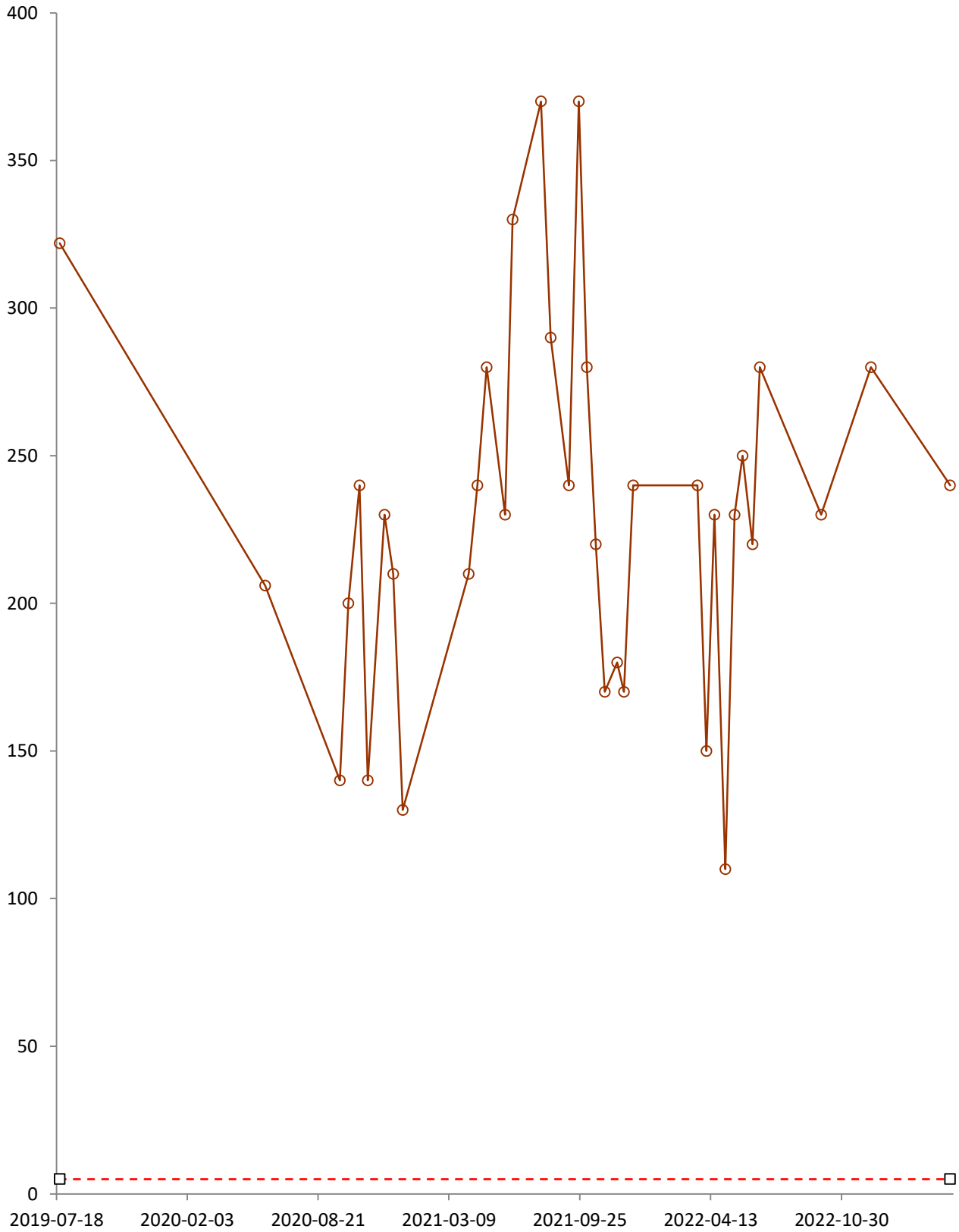




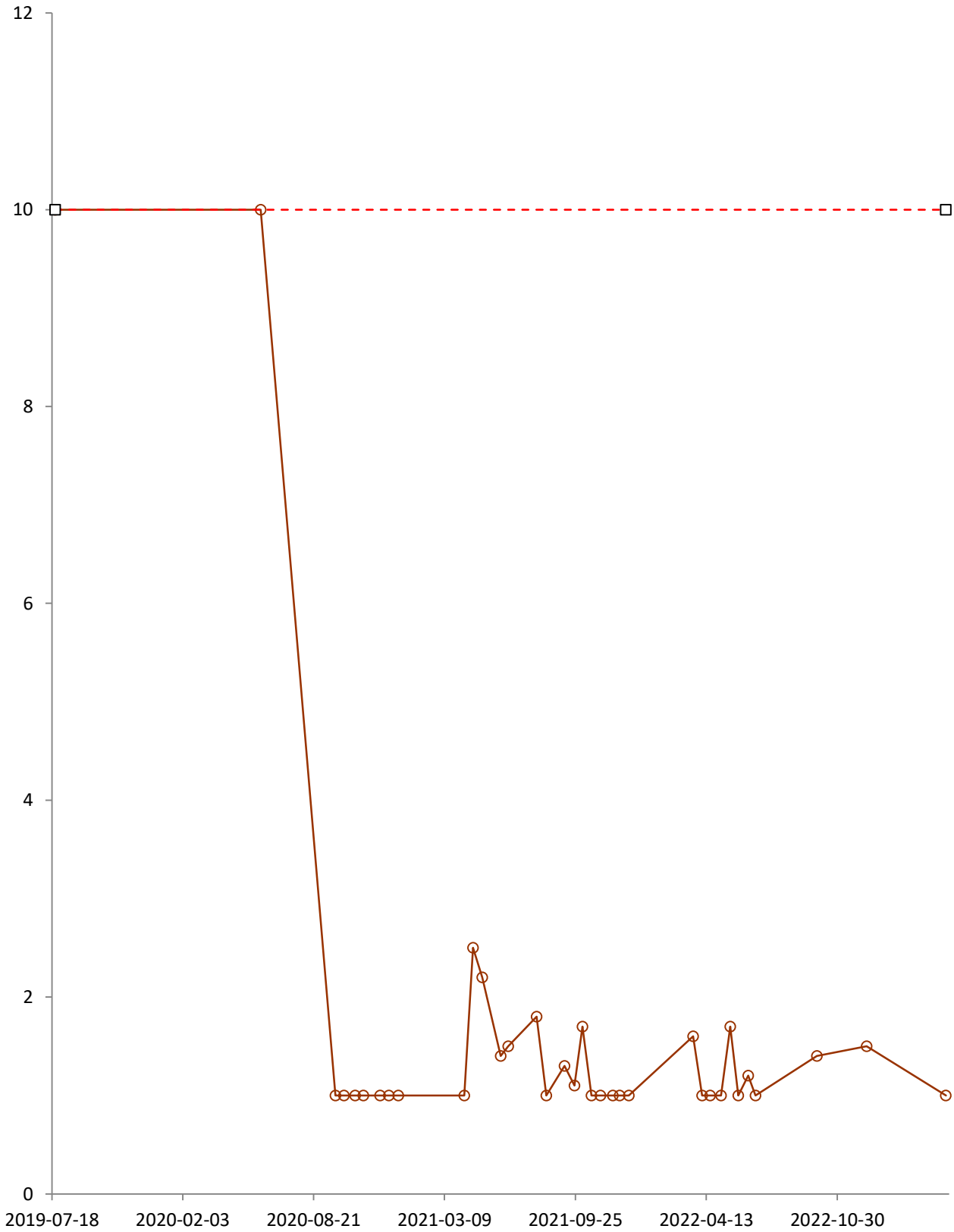
—○— Zinc (ug/l), SW13 - -□- - Zinc_HARRIETSFIELD WS BACKGROUND LEVEL

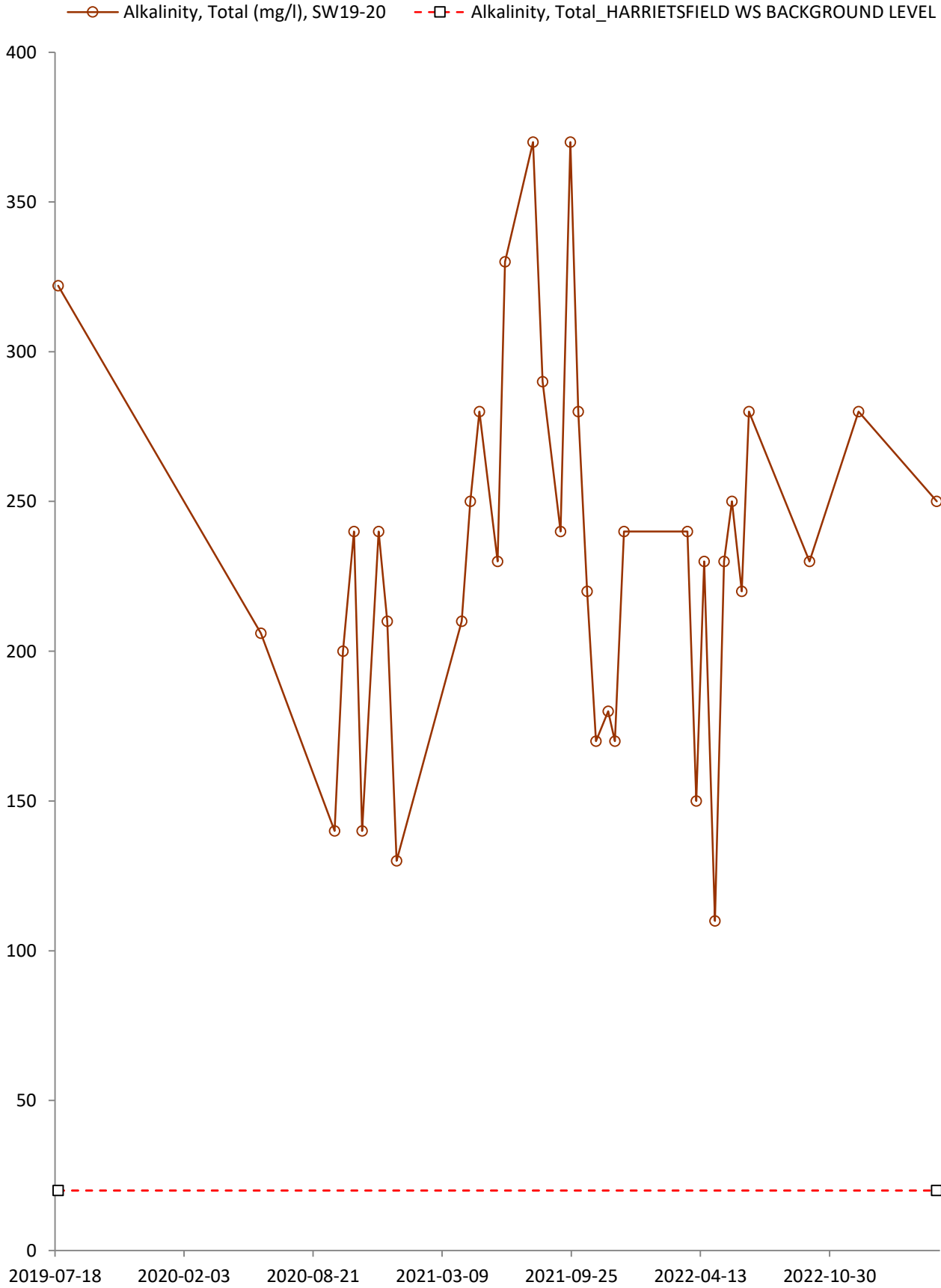


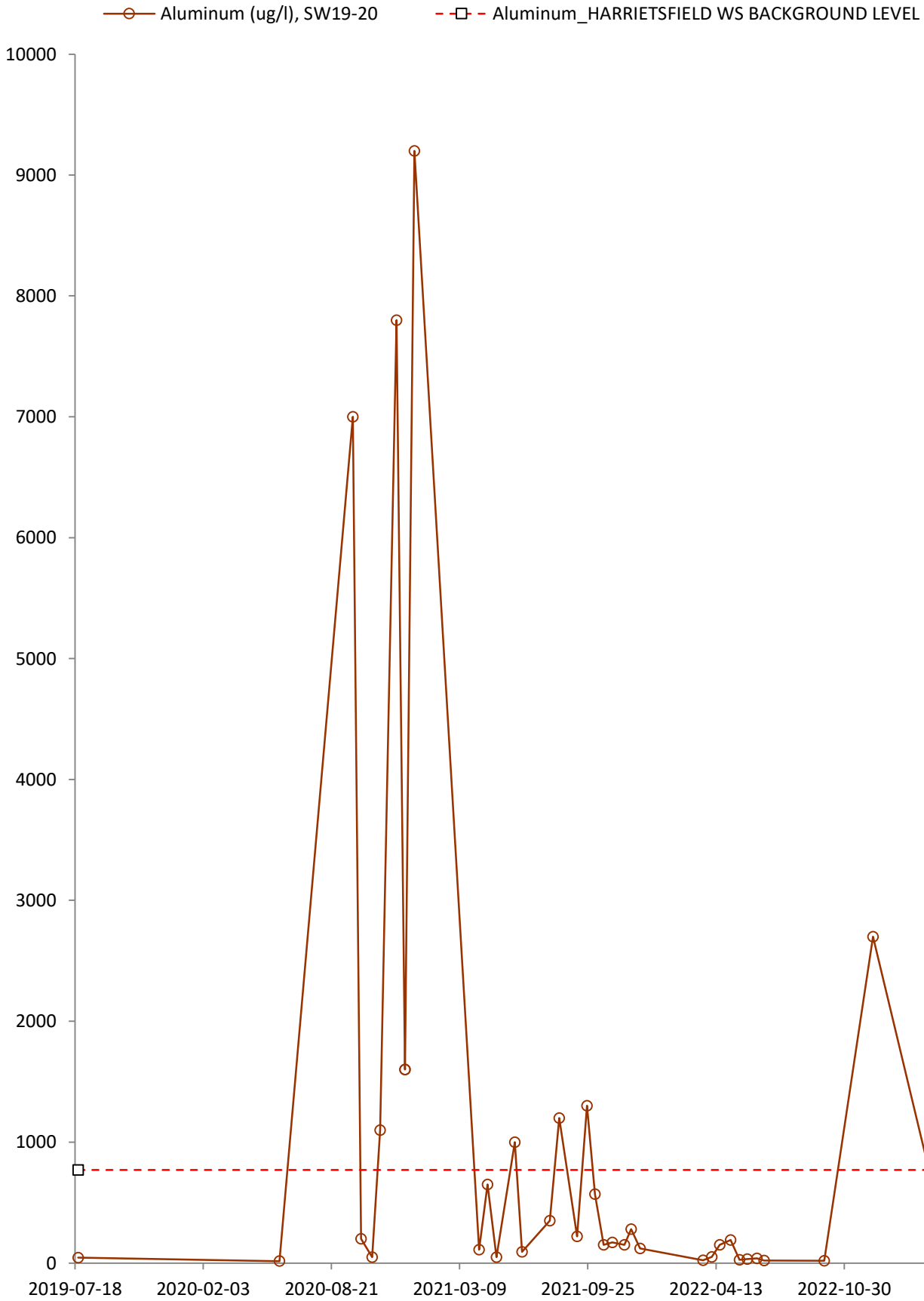
- Alkalinity, Bicarbonate (mg/l), SW19-20
- -□- - Alkalinity, Bicarbonate_HARRIETSFIELD WS BACKGROUND LEVEL

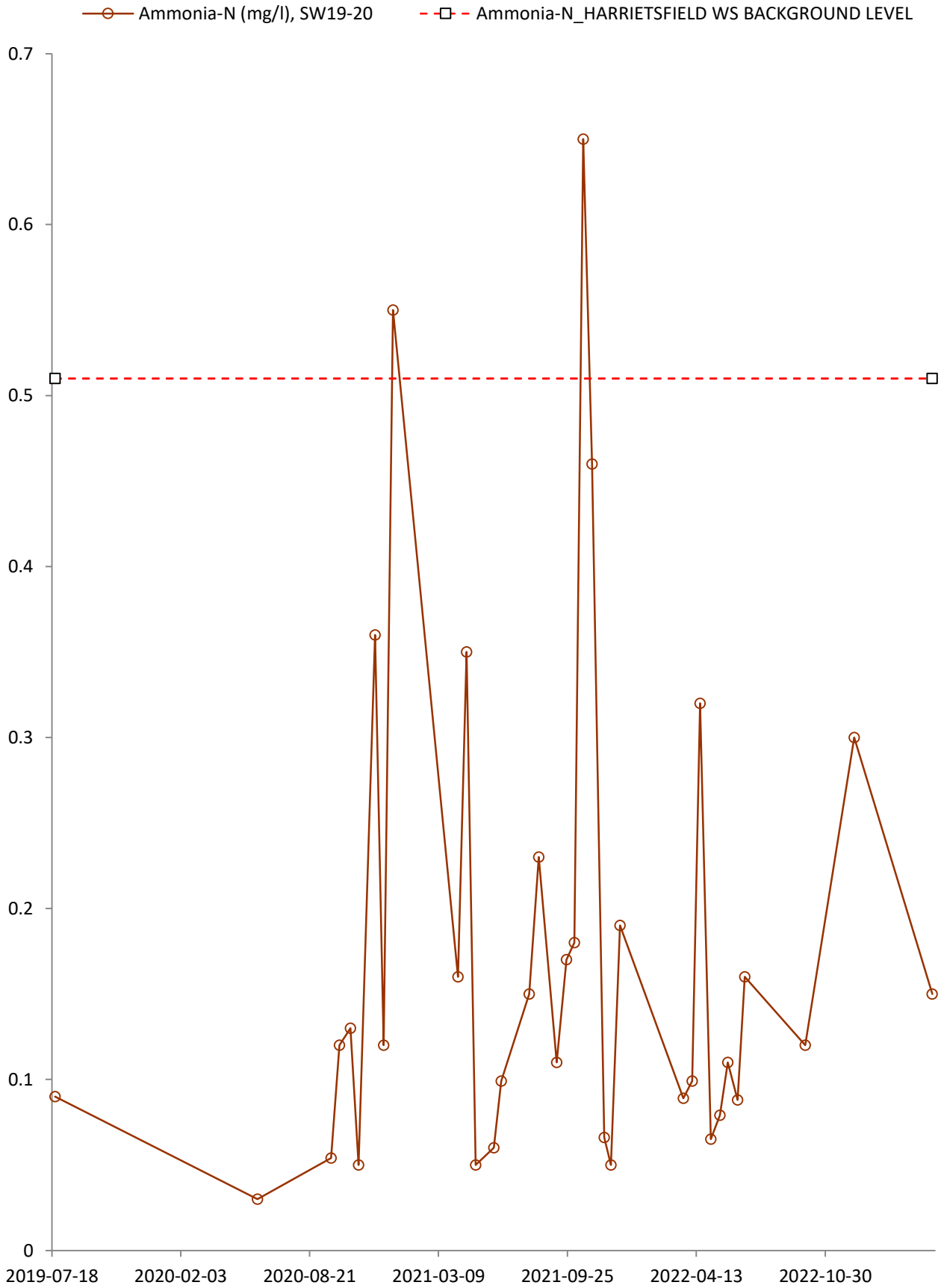


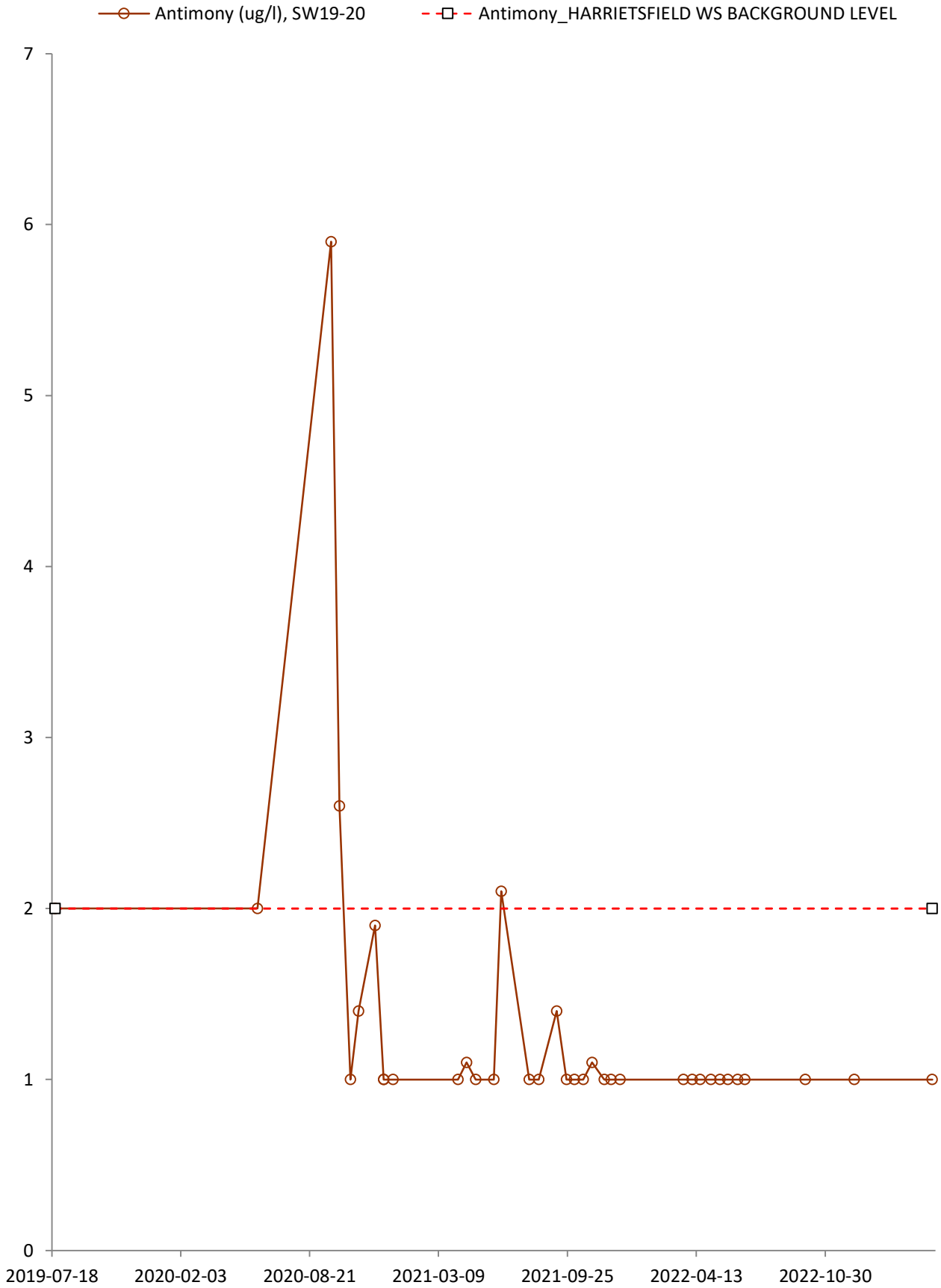
—○— Alkalinity, Carbonate (mg/l), SW19-20
- -□- - Alkalinity, Carbonate_HARRIETSFIELD WS BACKGROUND LEVEL



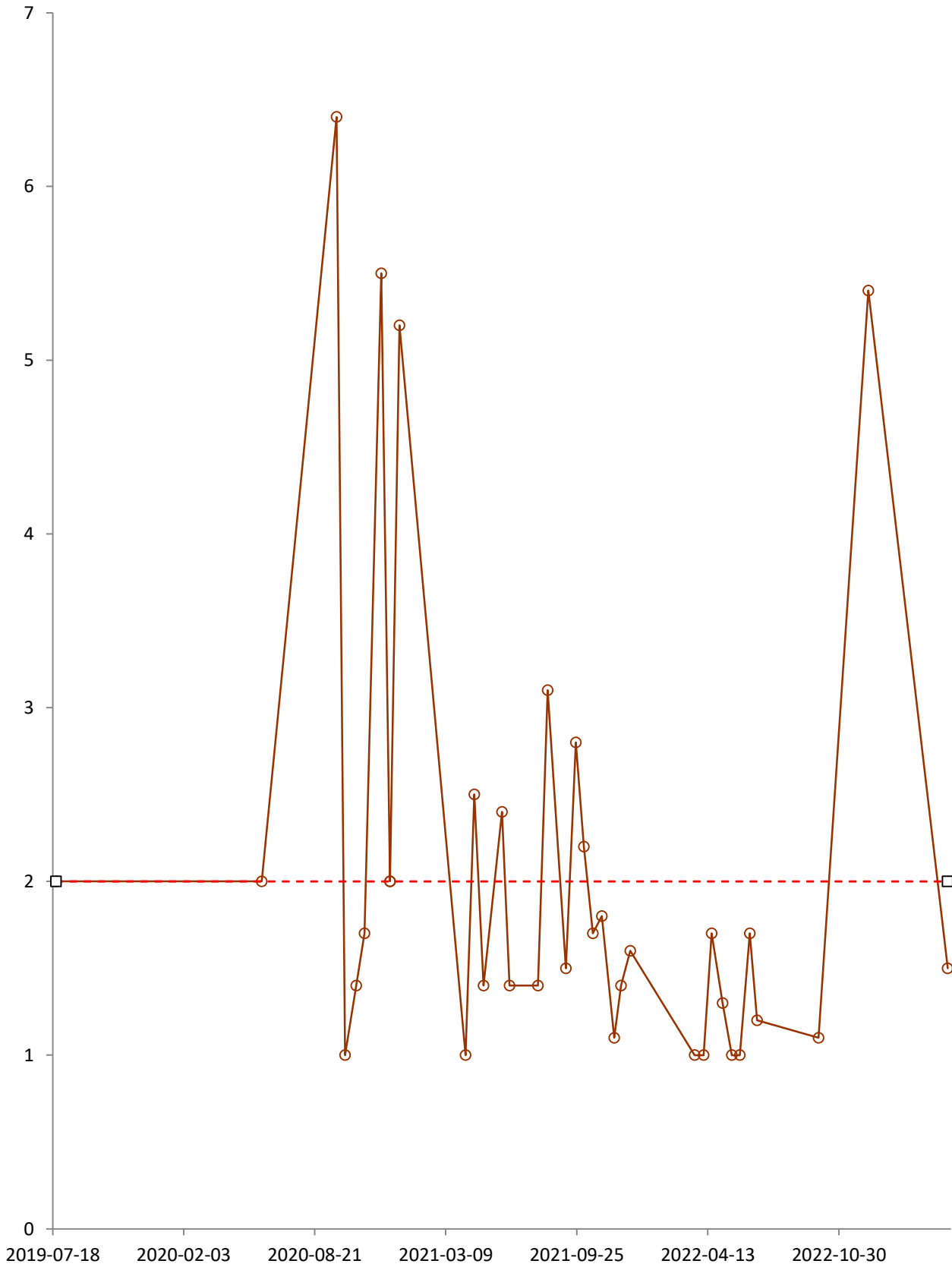




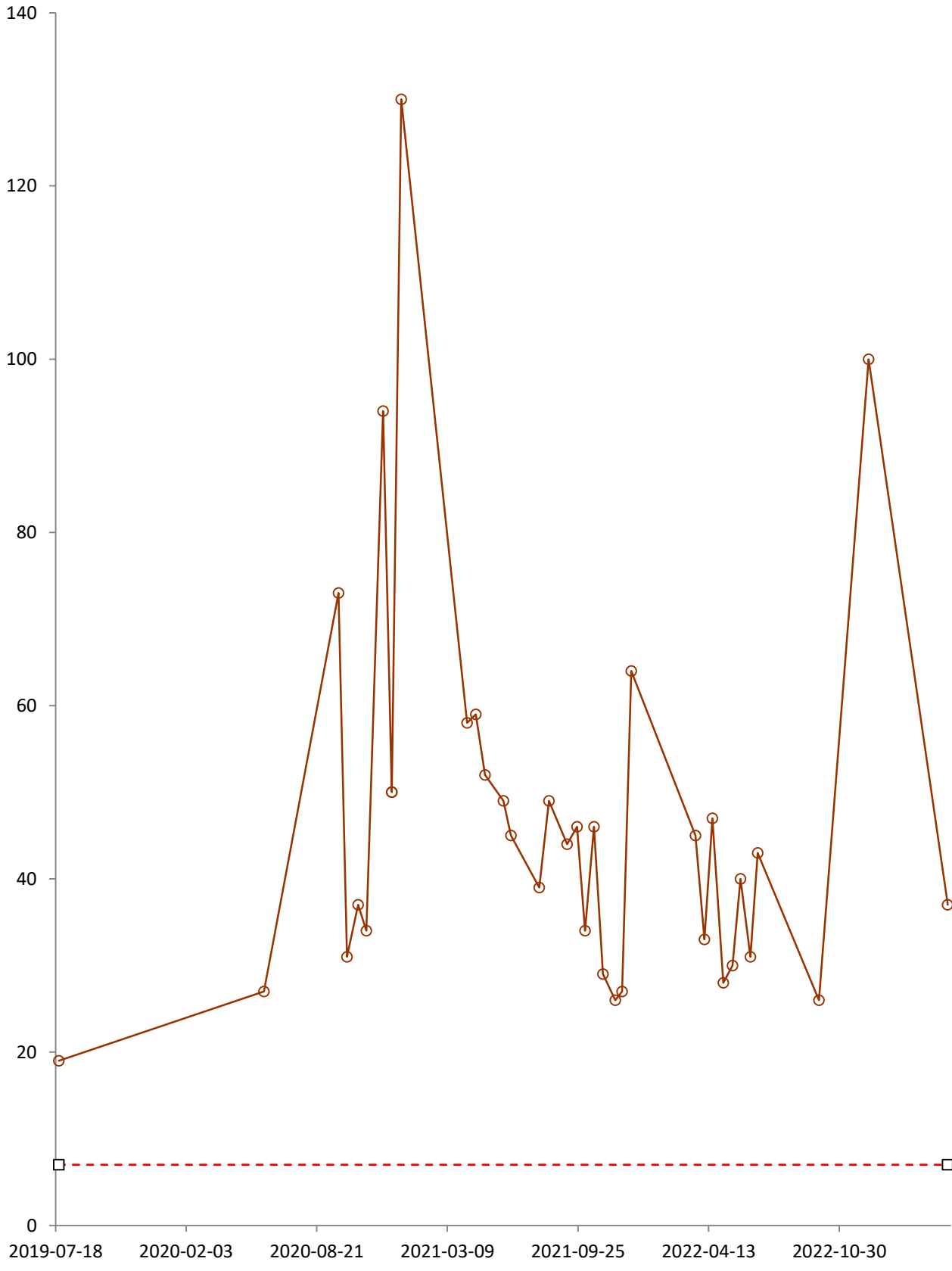


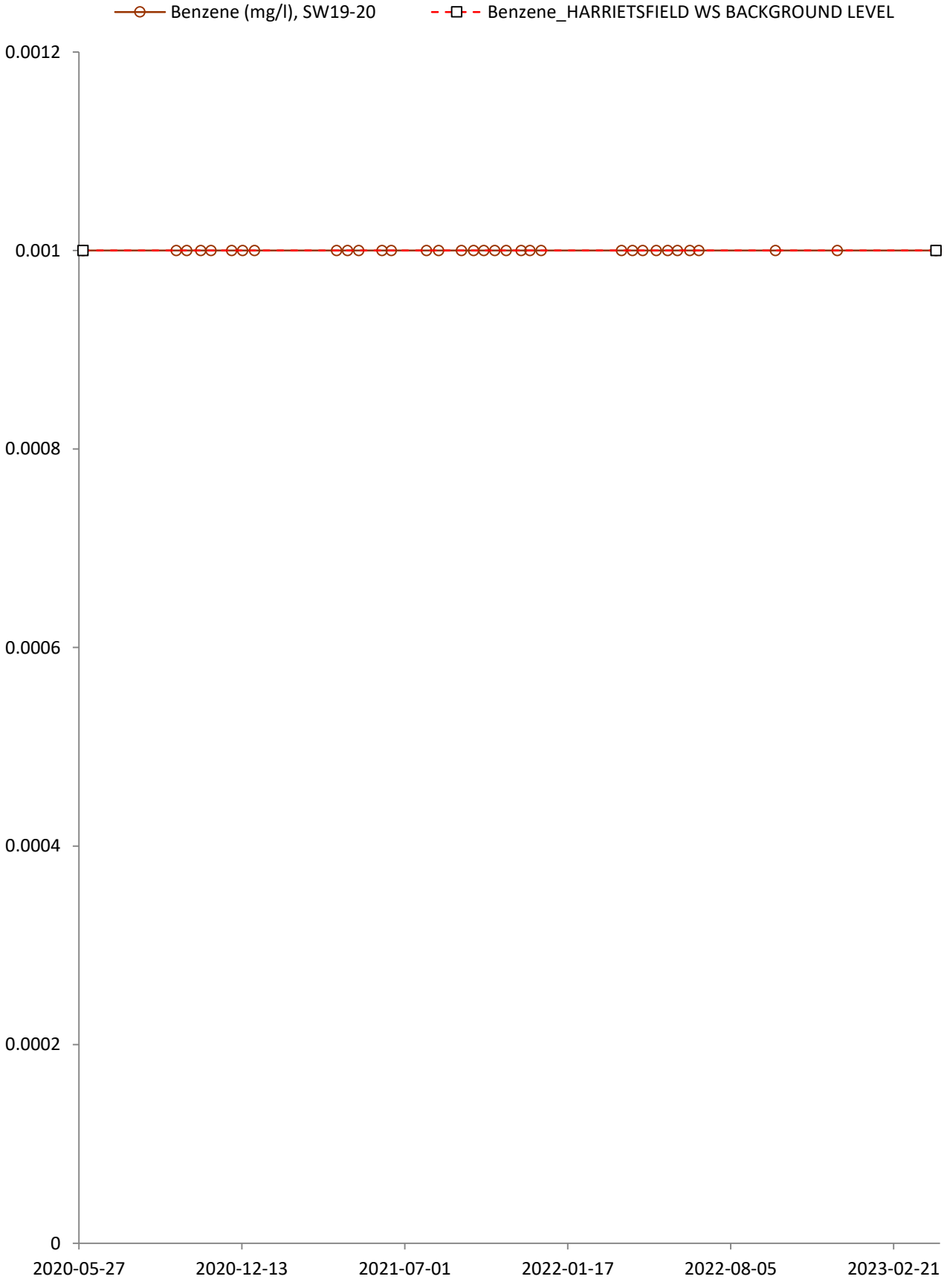


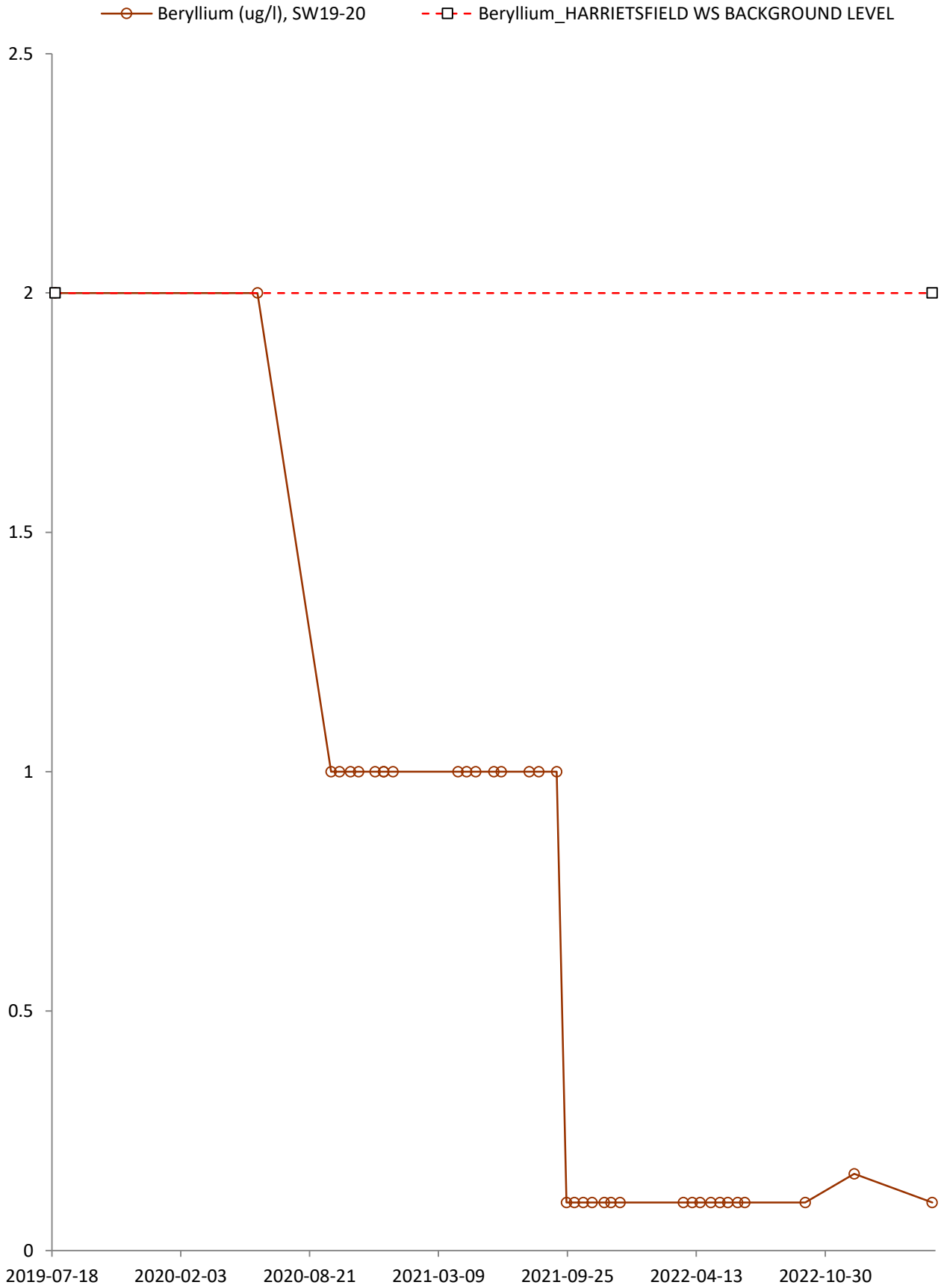
—○— Arsenic (ug/l), SW19-20 - -□- - Arsenic_HARRIETSFIELD WS BACKGROUND LEVEL

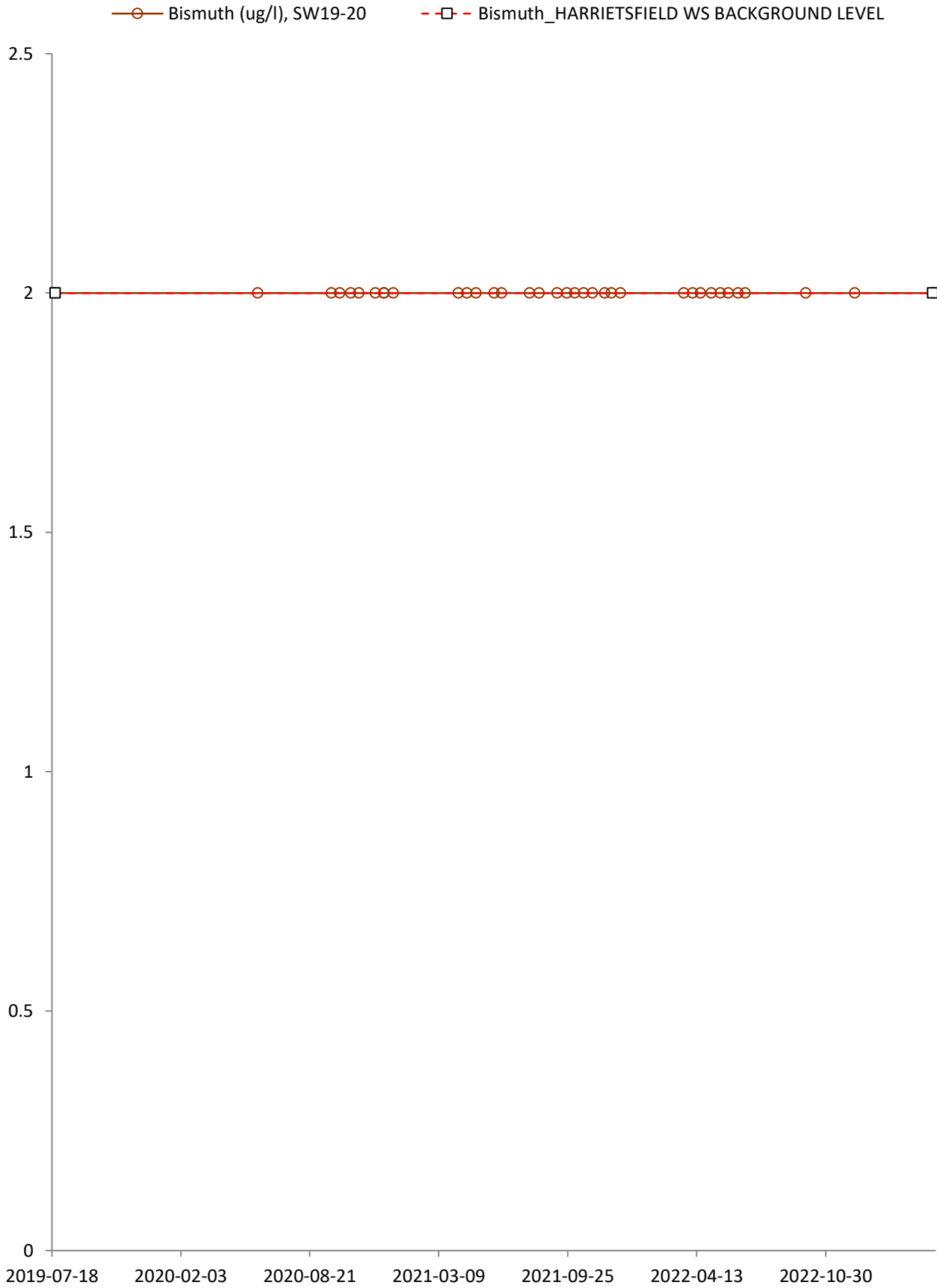


Barium (ug/l), SW19-20 Barium_HARRIETSFIELD WS BACKGROUND LEVEL

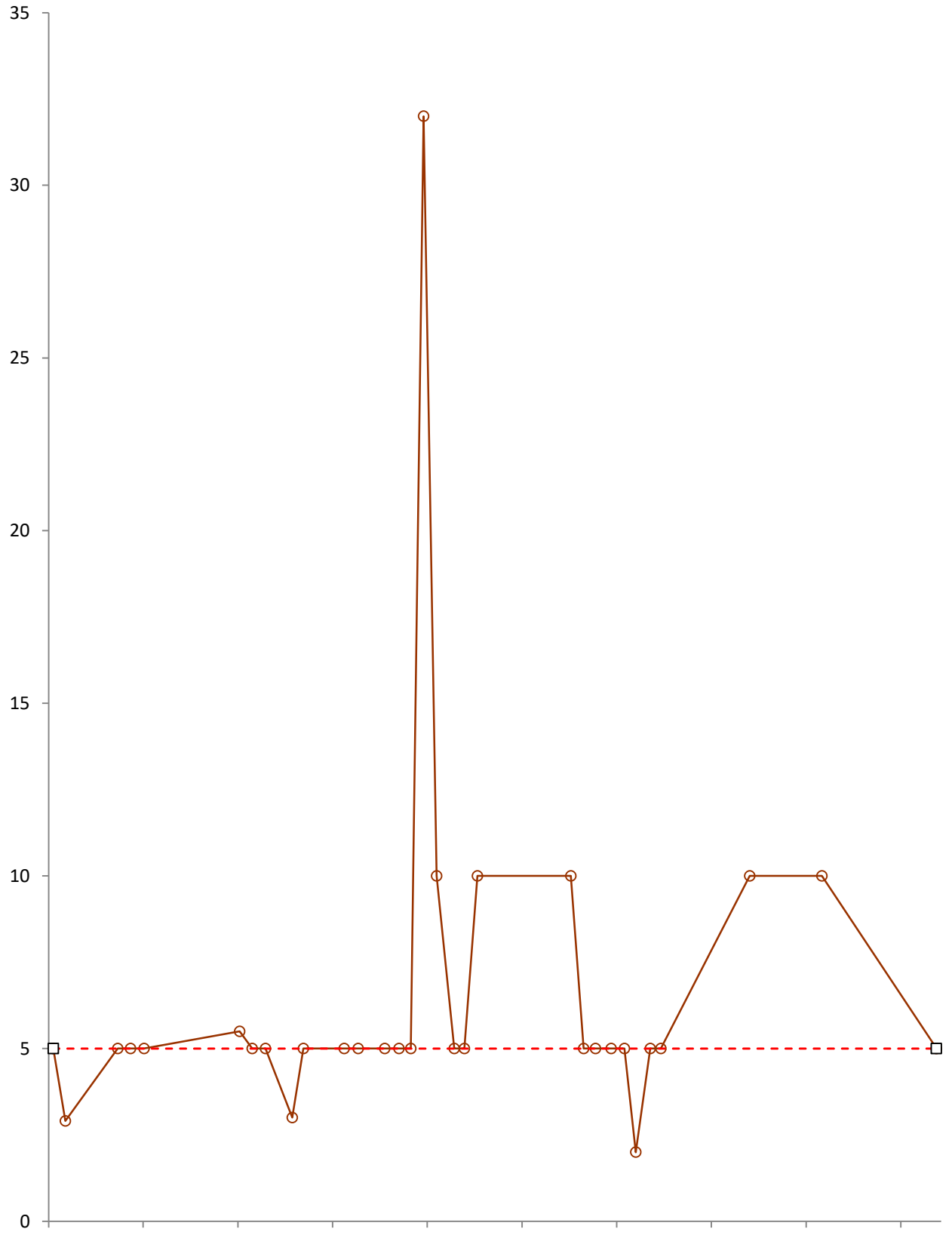




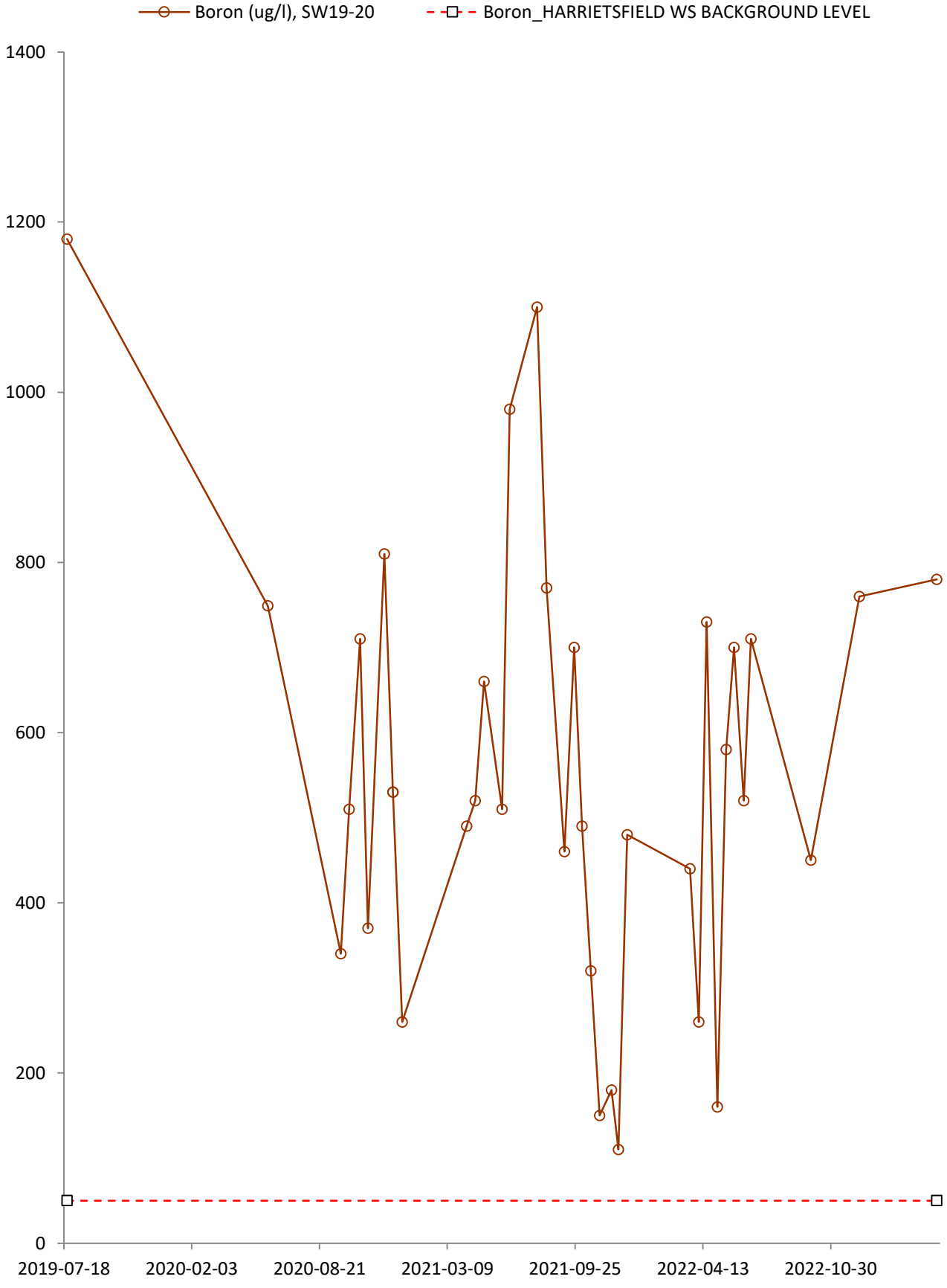


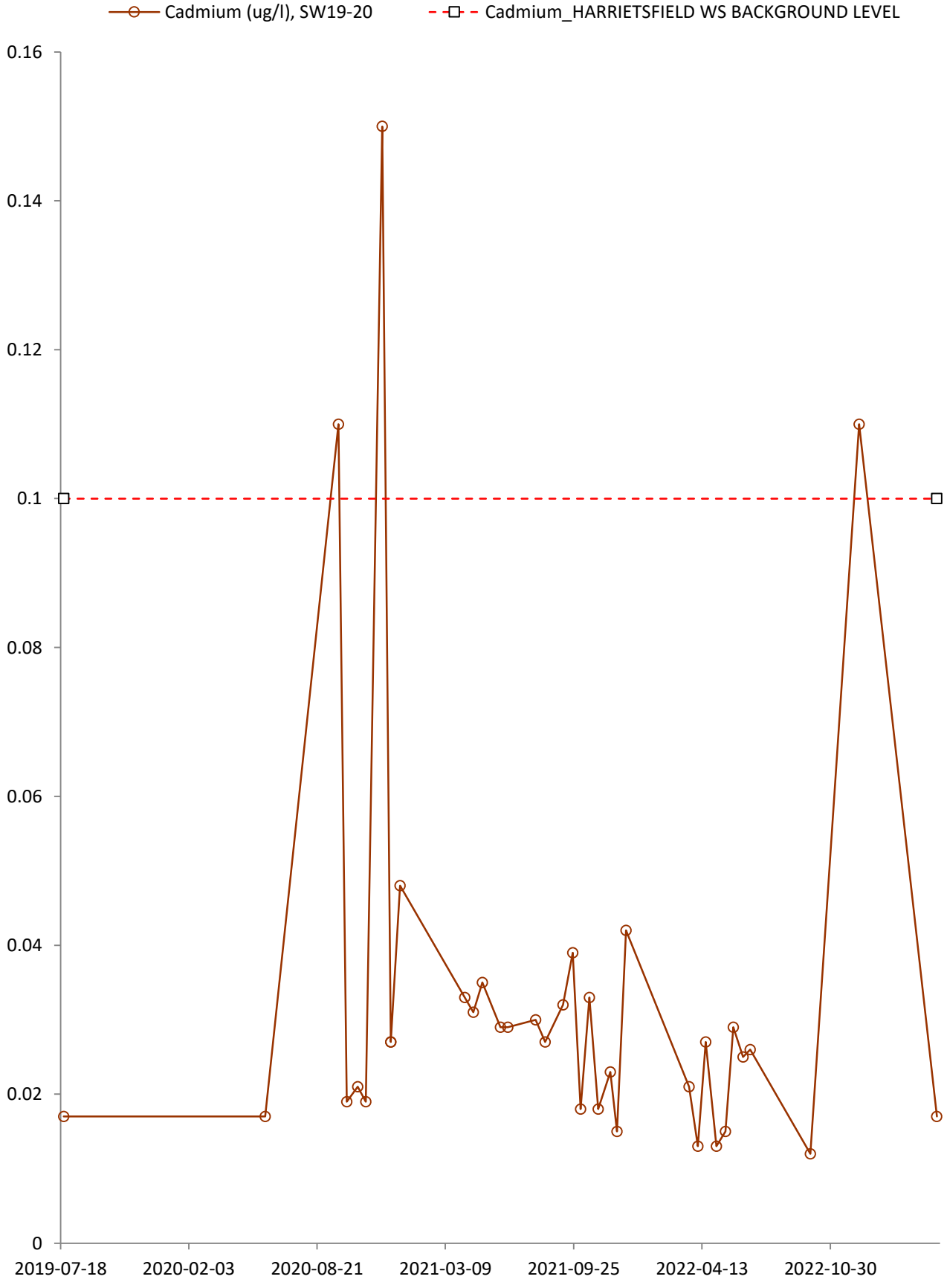


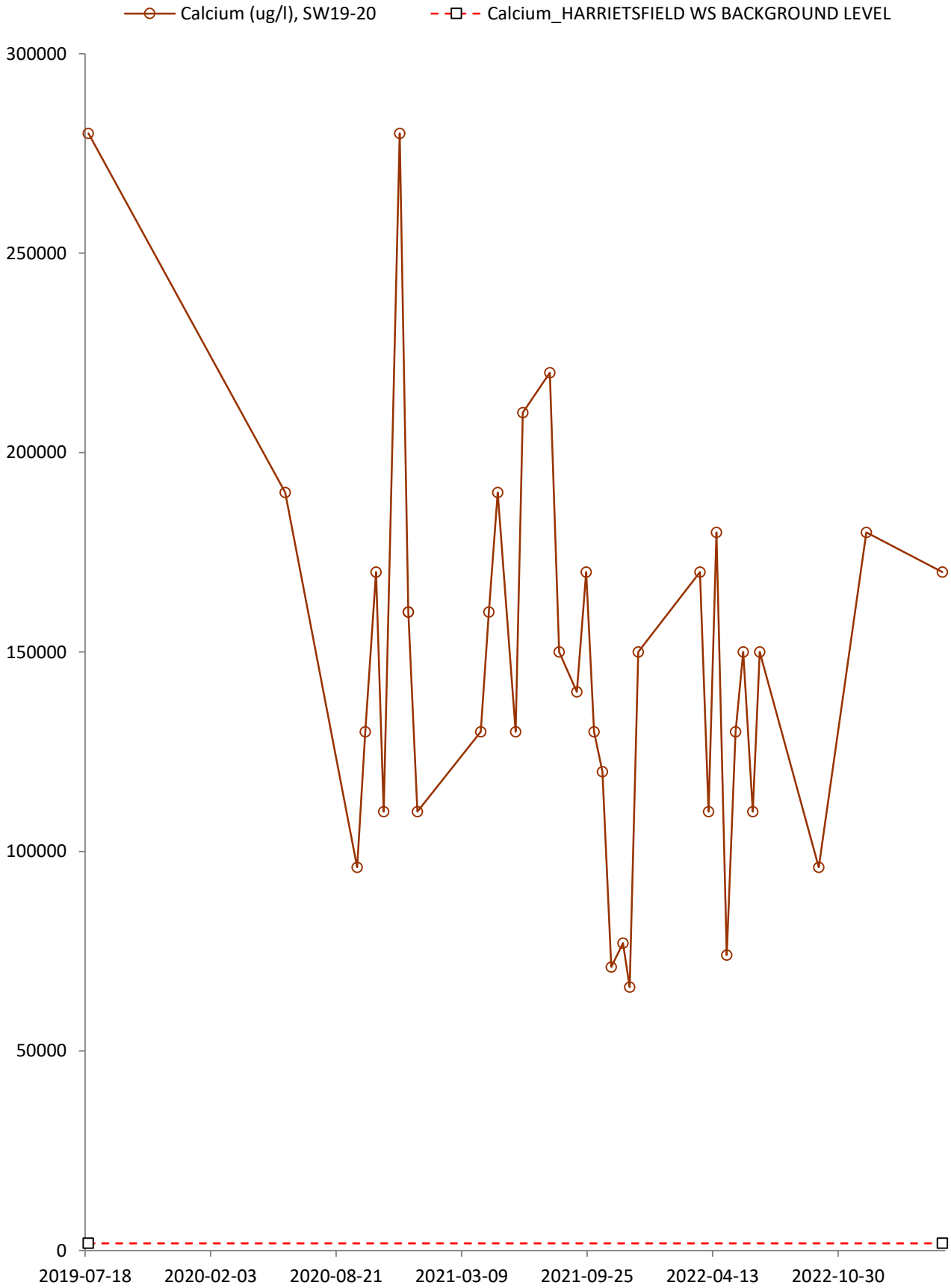
—○— BOD Carbonaceous (mg/l), SW19-20 - -□- BOD Carbonaceous_HARRIETSFIELD WS BACKGROUND LEVEL



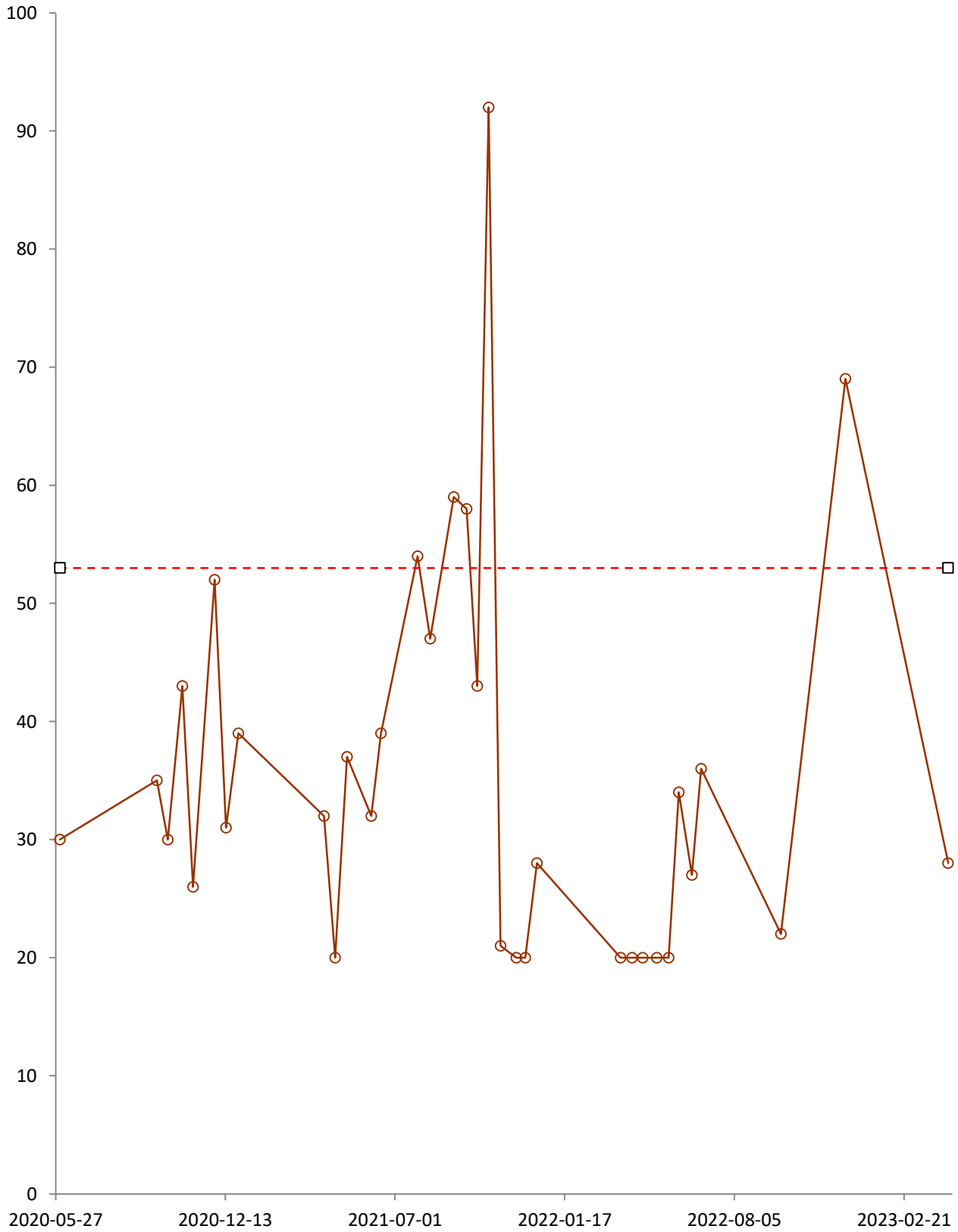
2020-09-18 2020-12-27 2021-04-06 2021-07-15 2021-10-23 2022-01-31 2022-05-11 2022-08-19 2022-11-27 2023-03-07

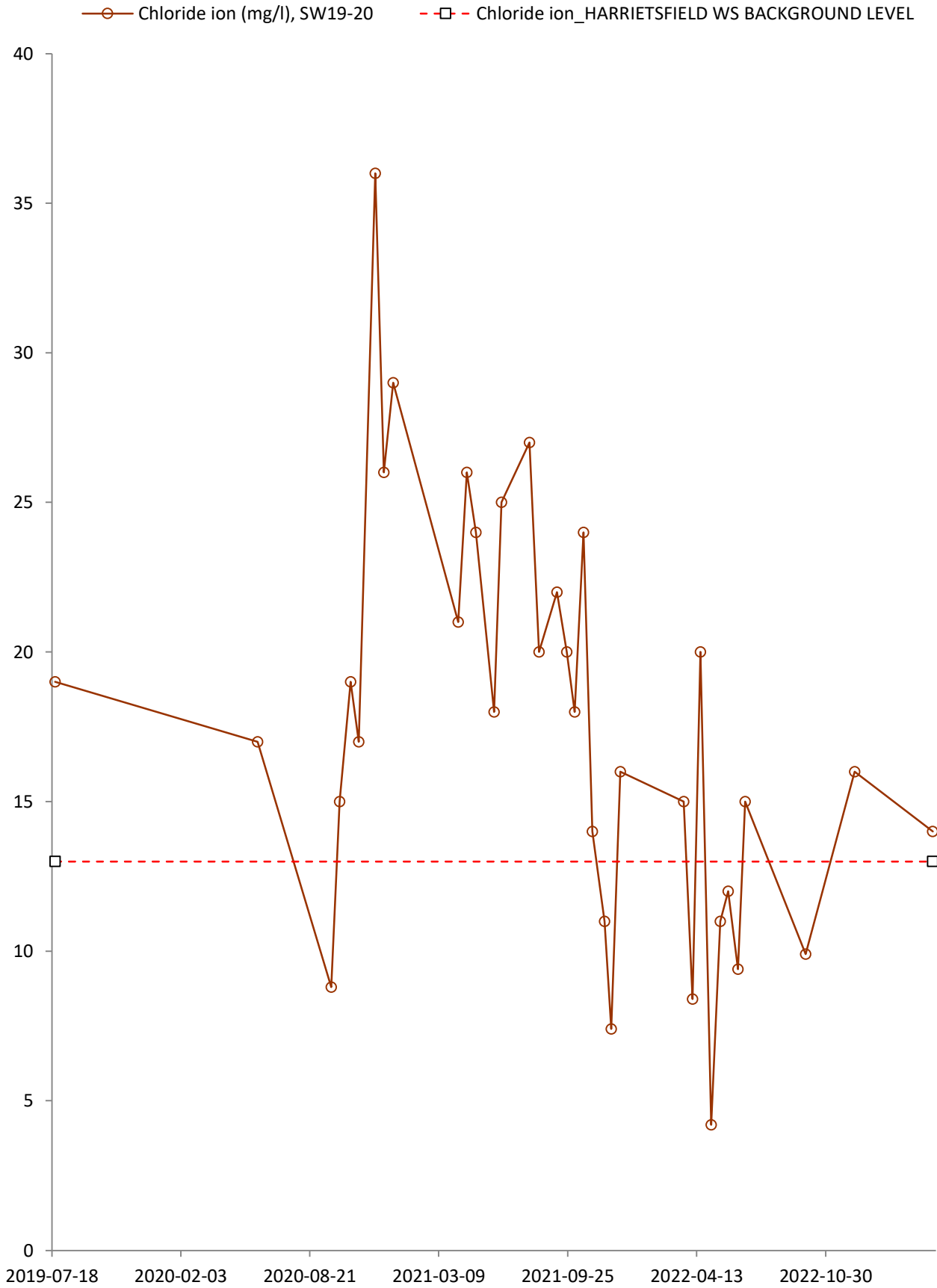


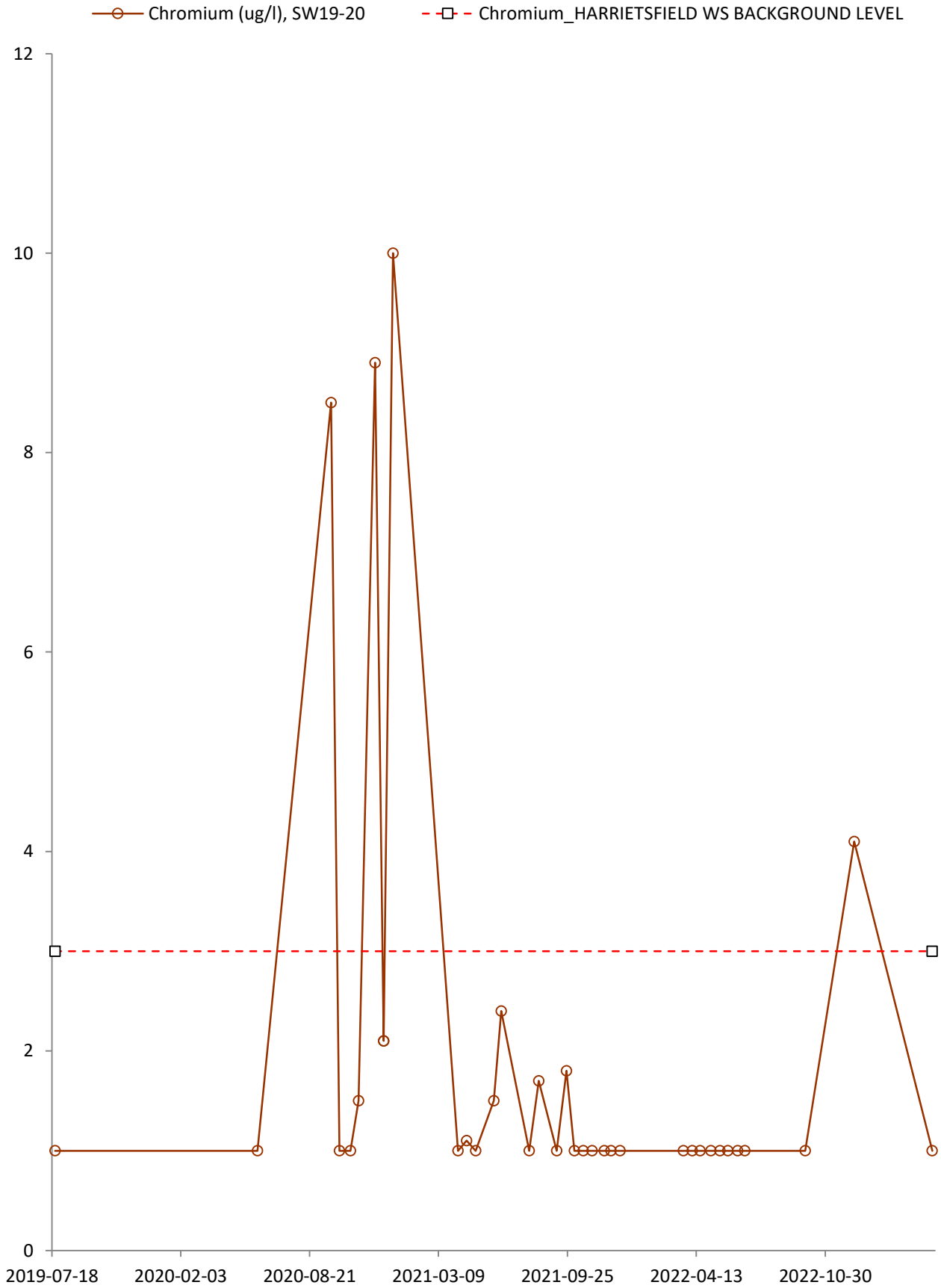


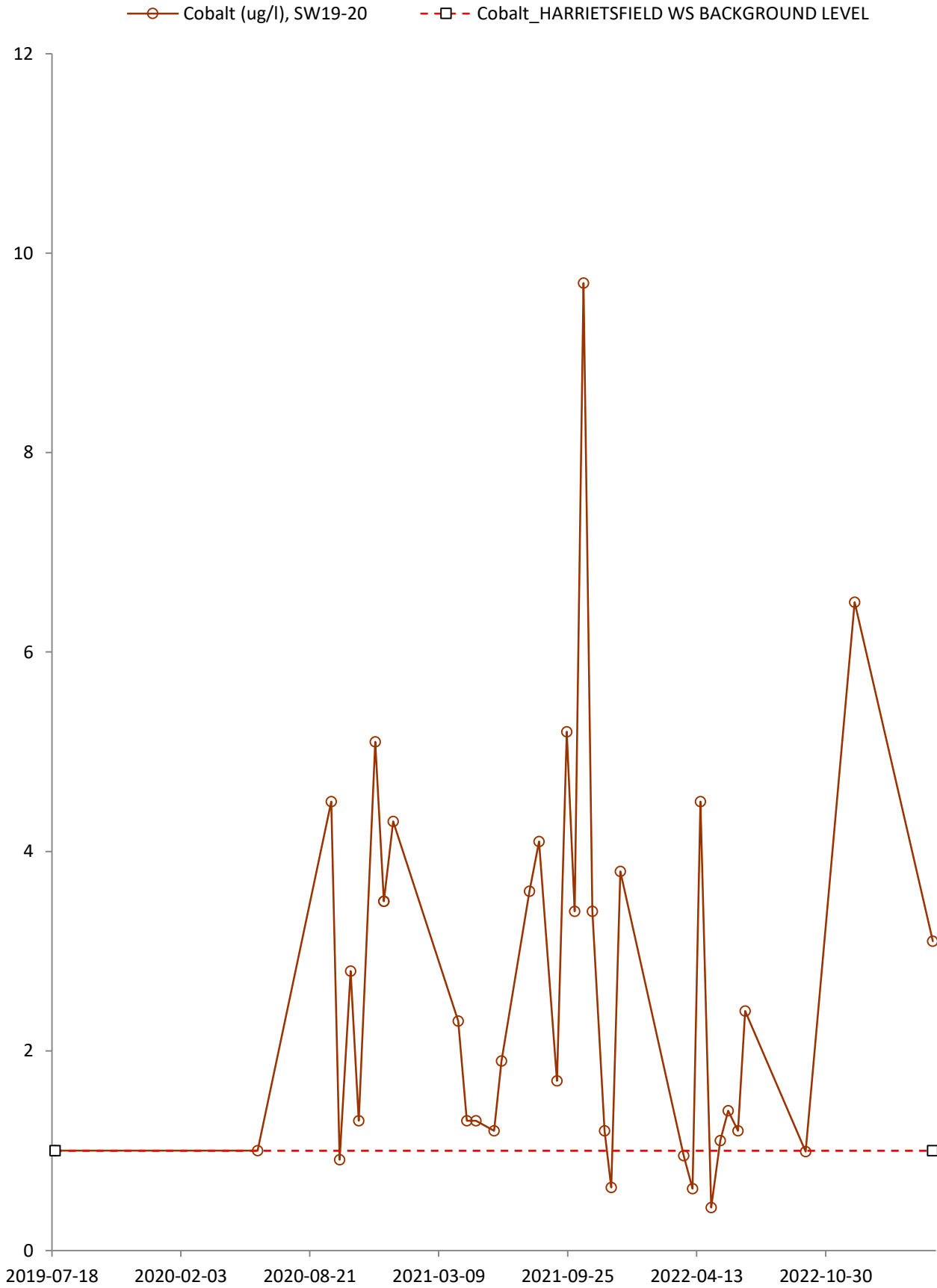


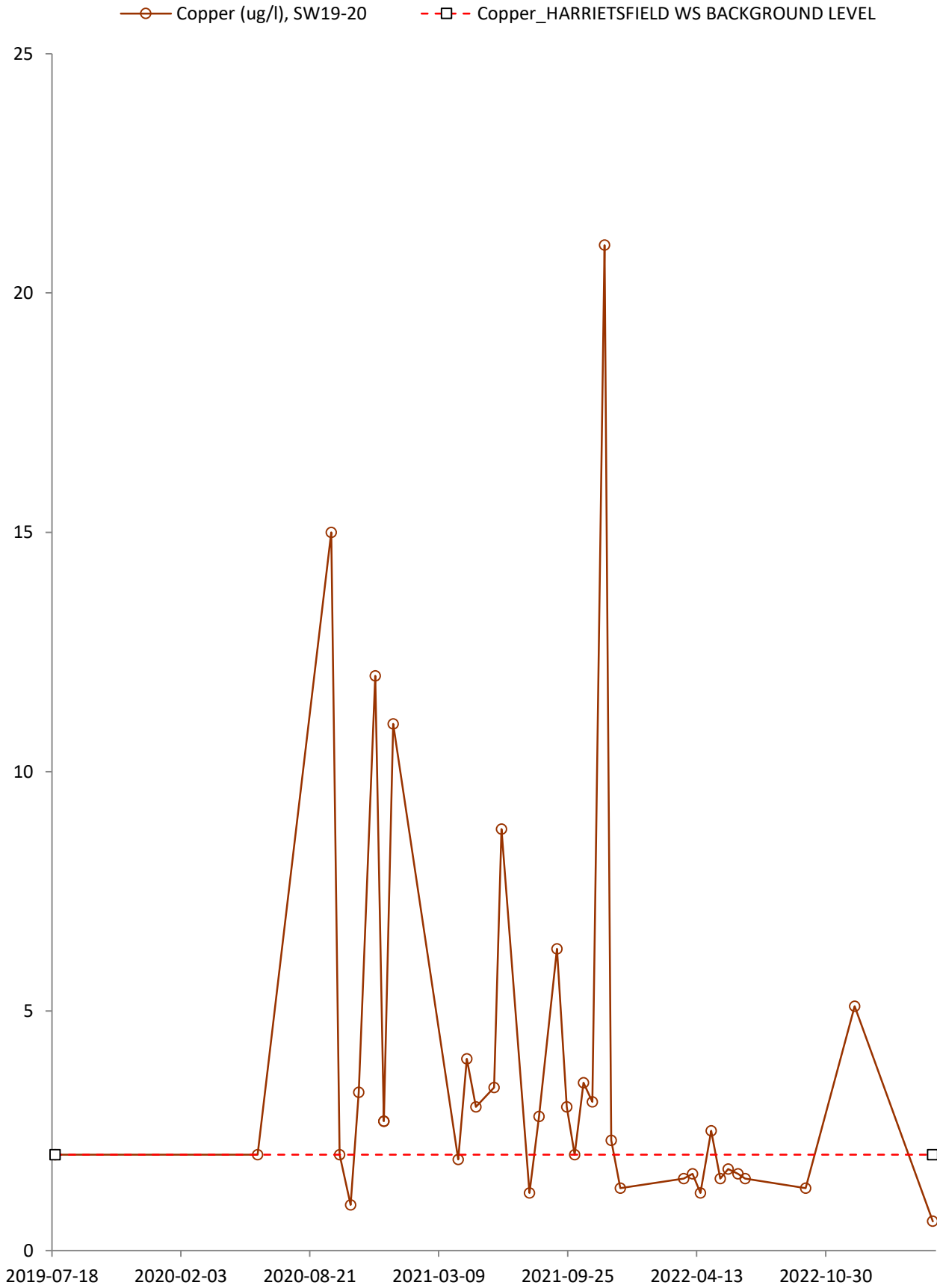
- Chemical Oxygen Demand (mg/l), SW19-20
- Chemical Oxygen Demand_HARRIETSFIELD WS BACKGROUND LEVEL



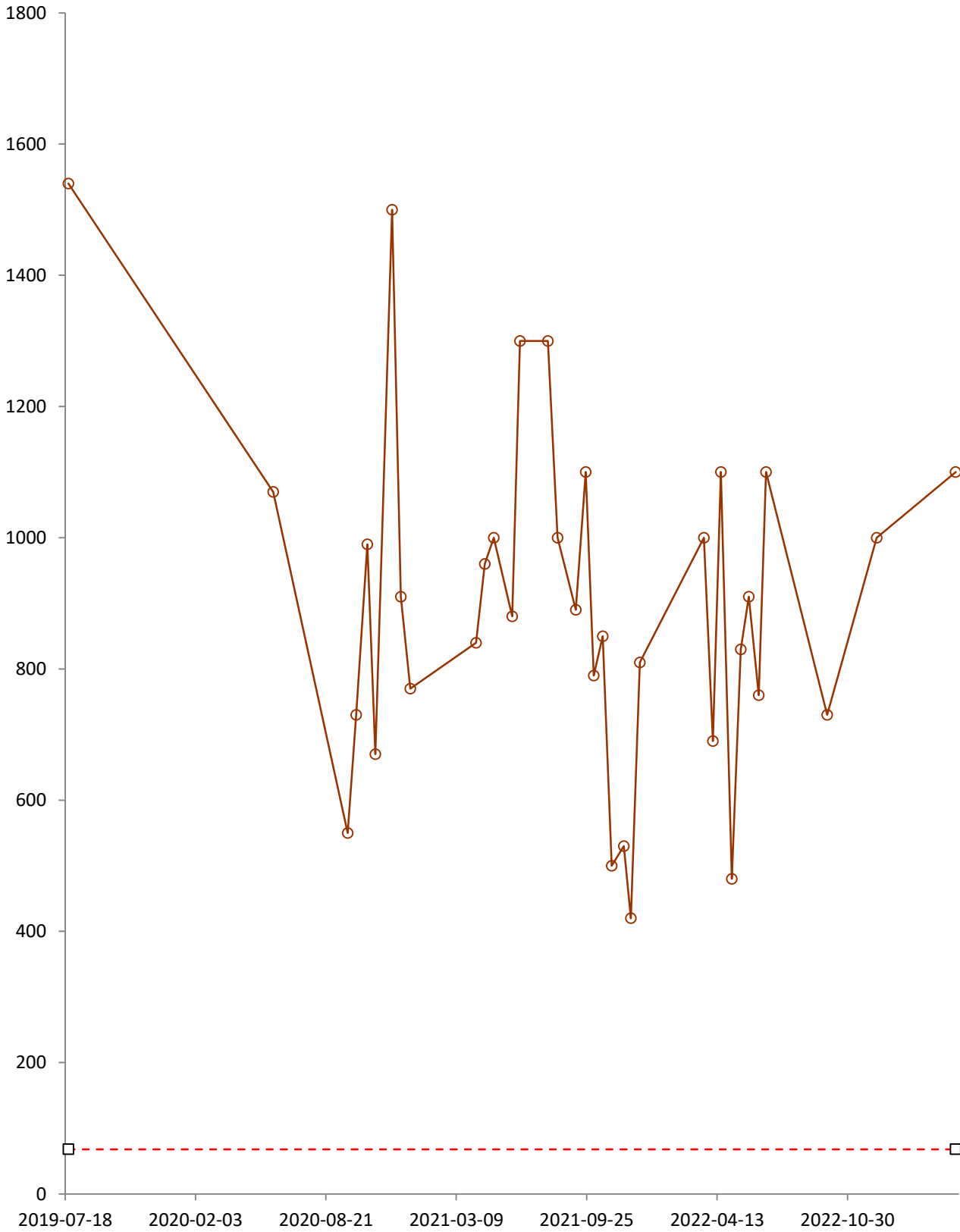


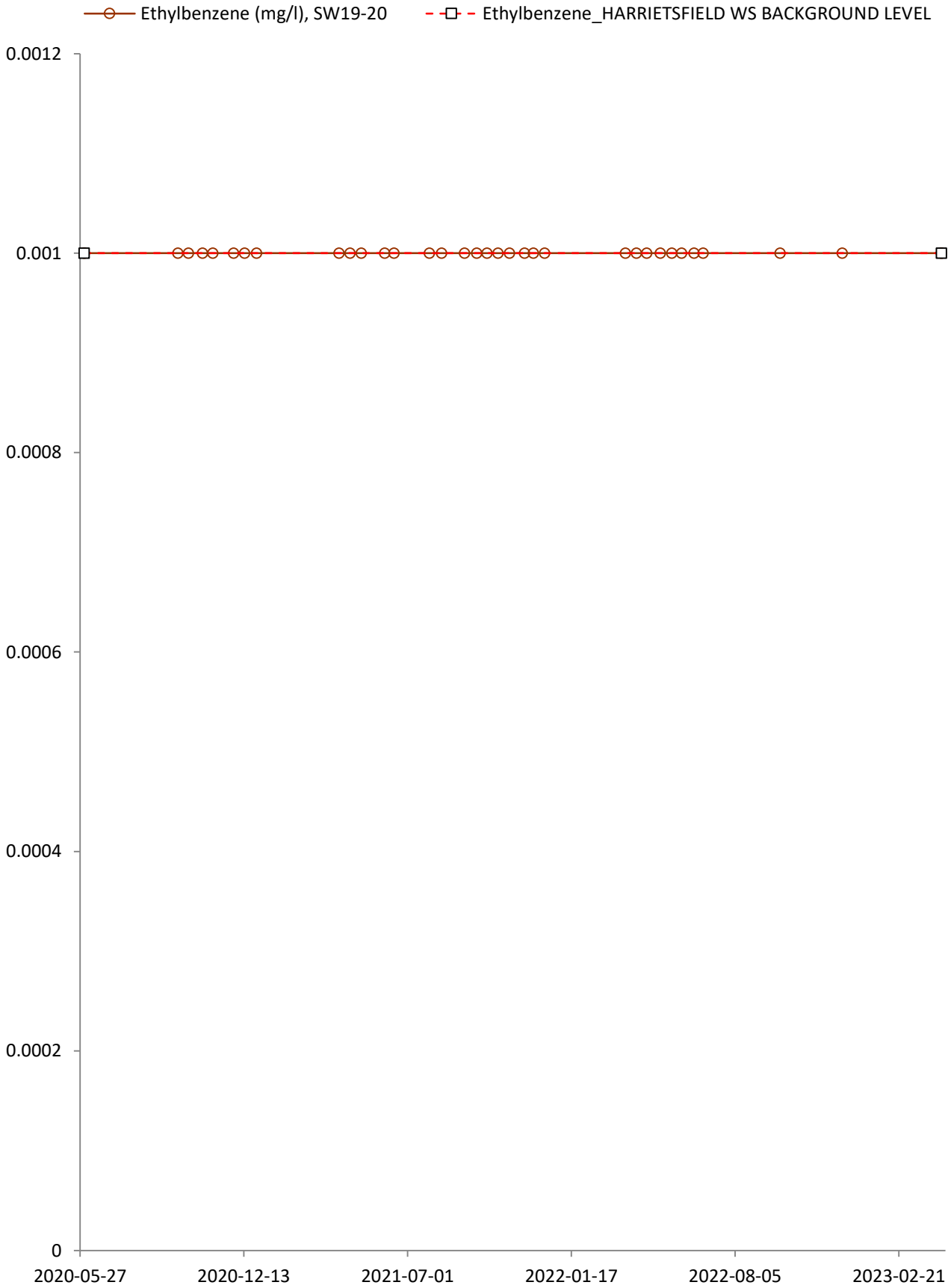




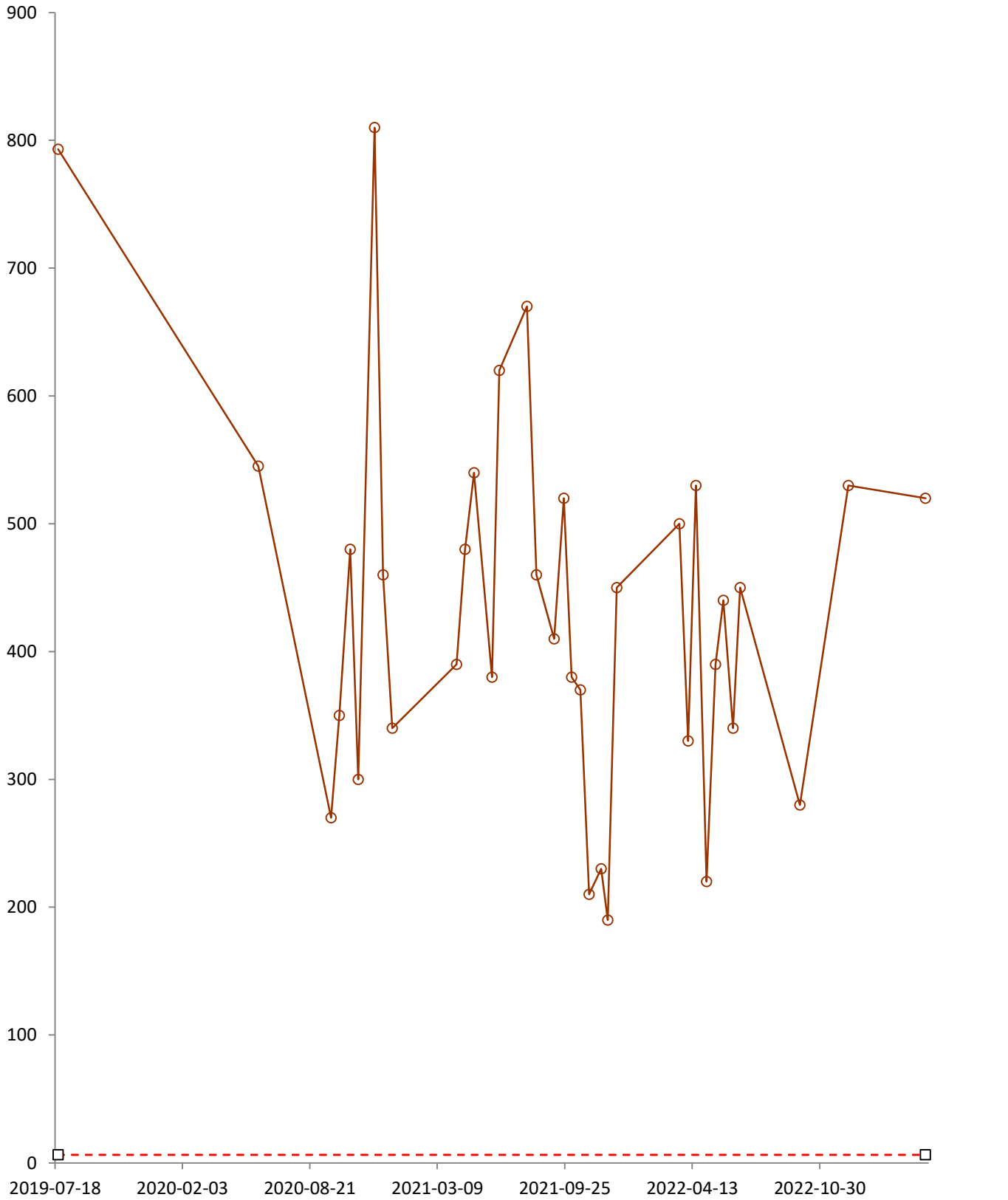


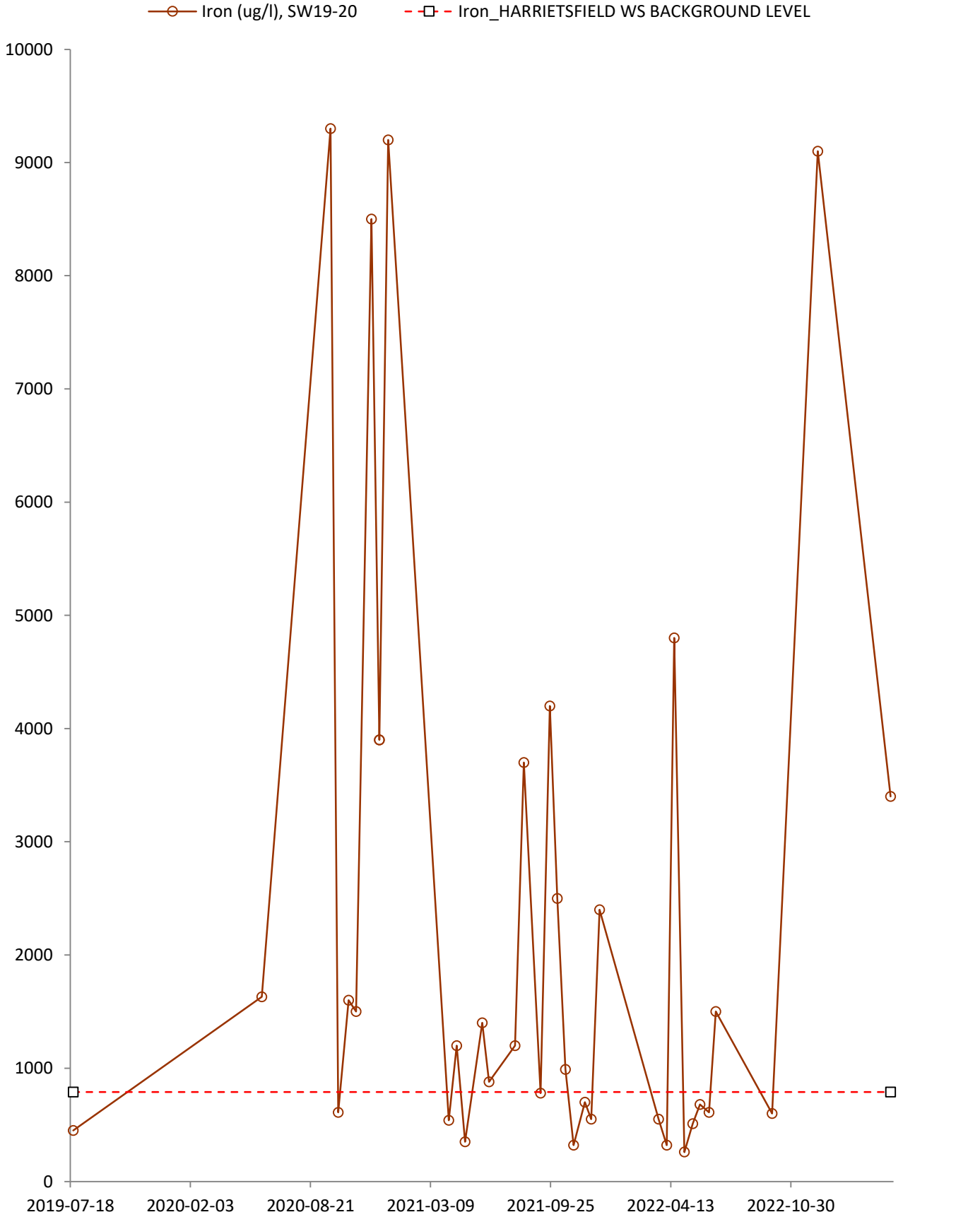
- Electrical Conductivity (umhos/cm), SW19-20
- -□- - Electrical Conductivity_HARRIETSFIELD WS BACKGROUND LEVEL

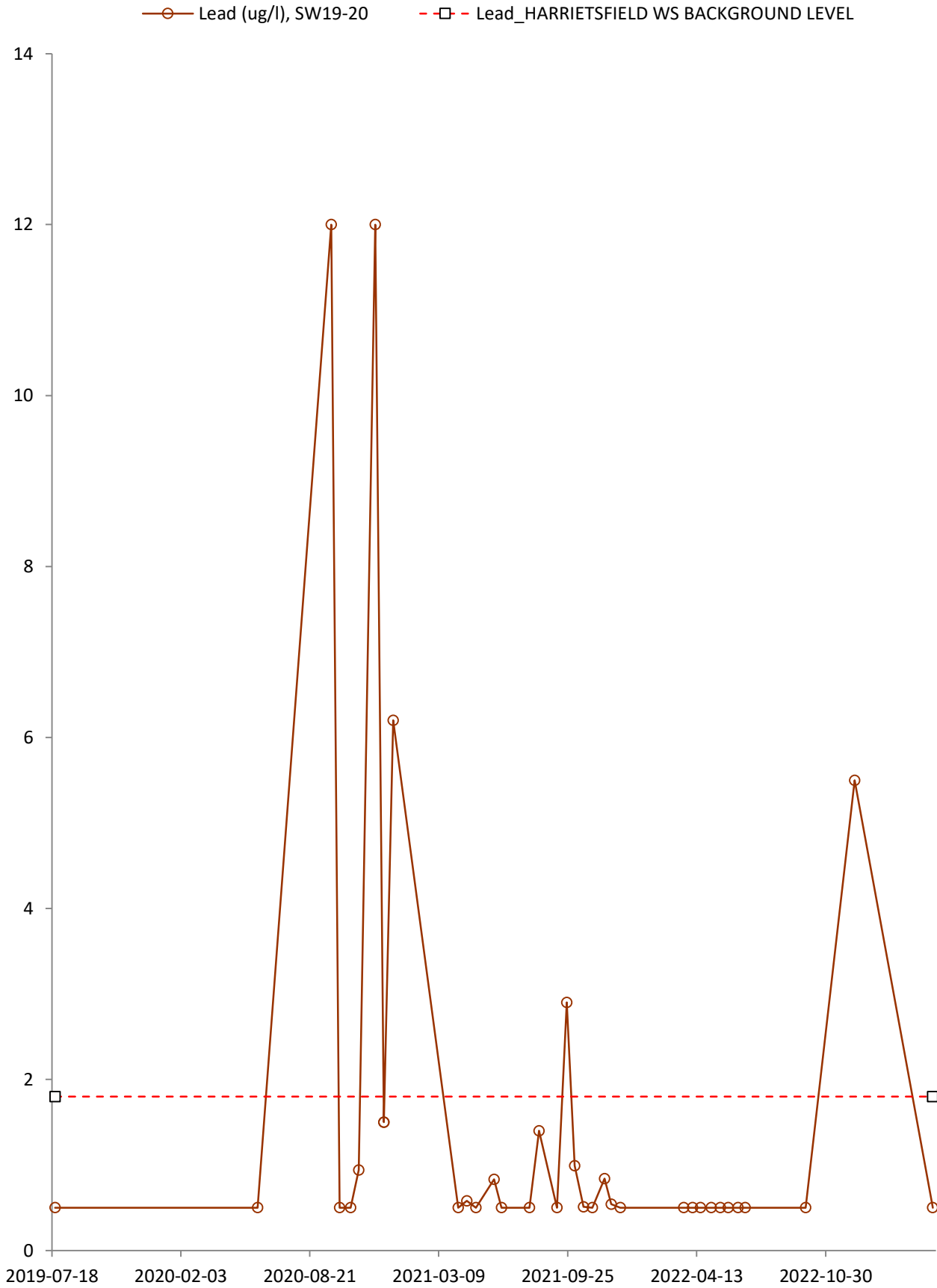


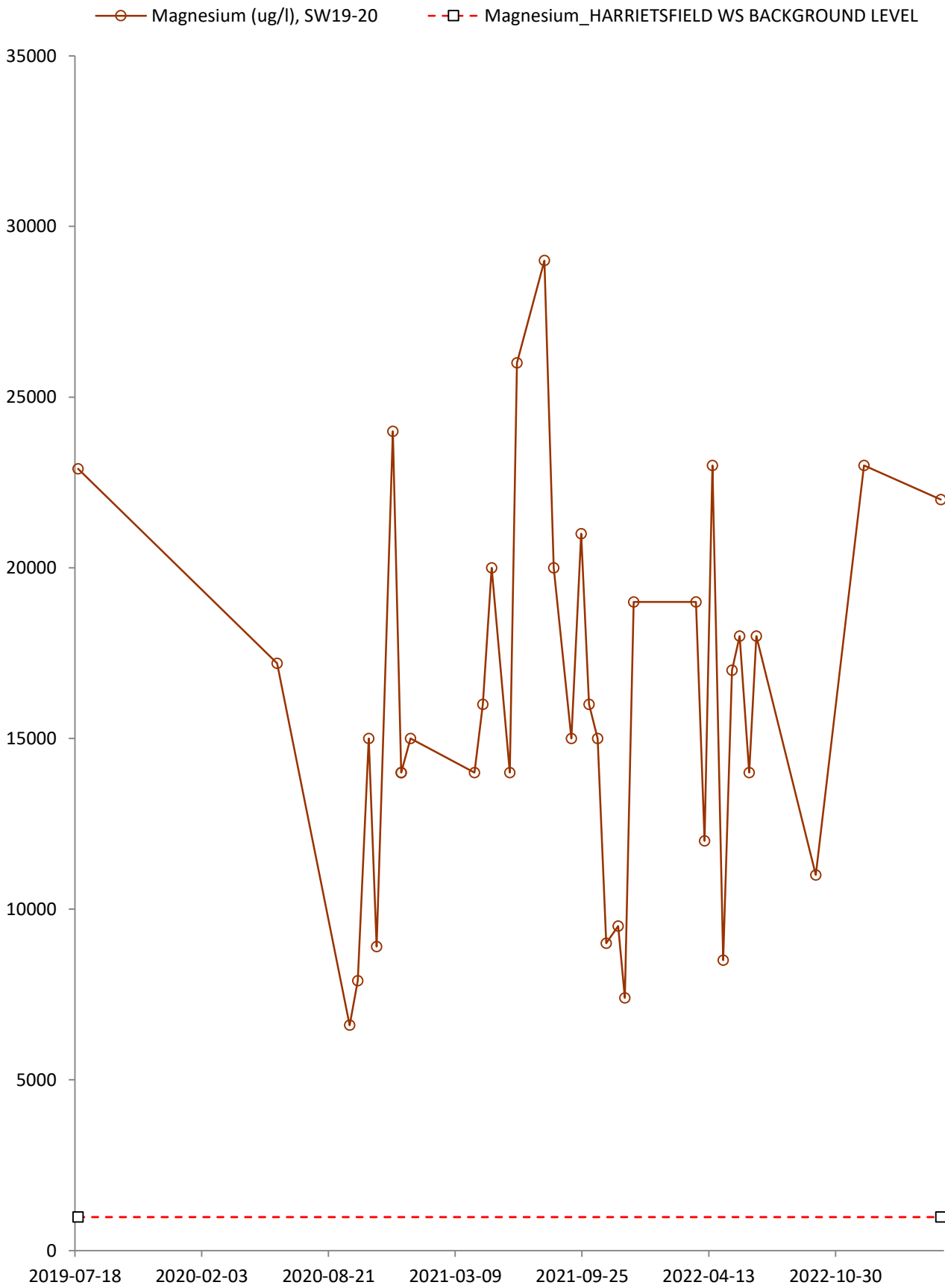


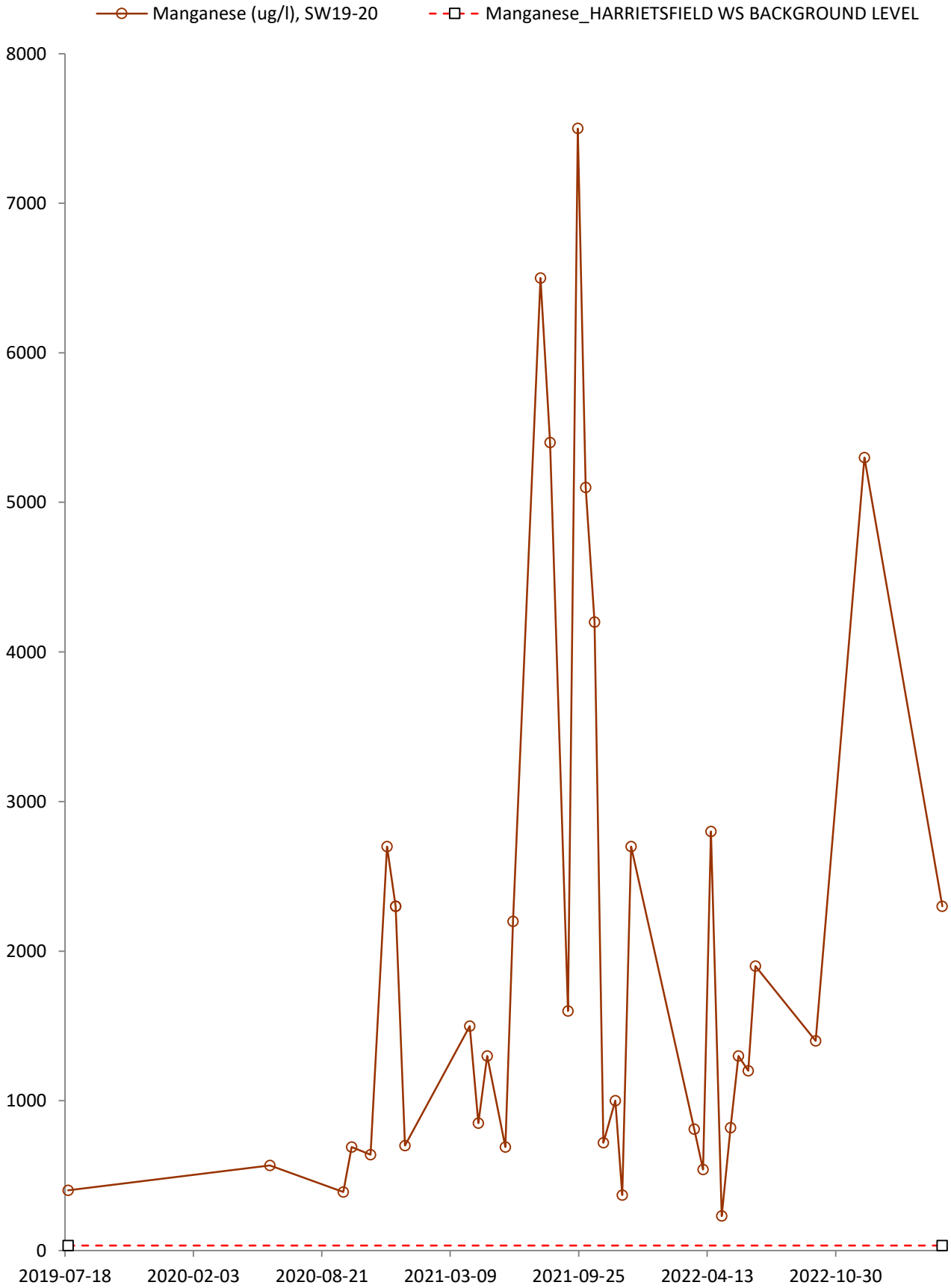
- Hardness (as CaCO₃) (mg/l), SW19-20
- Hardness (as CaCO₃)_HARRIETSFIELD WS BACKGROUND LEVEL

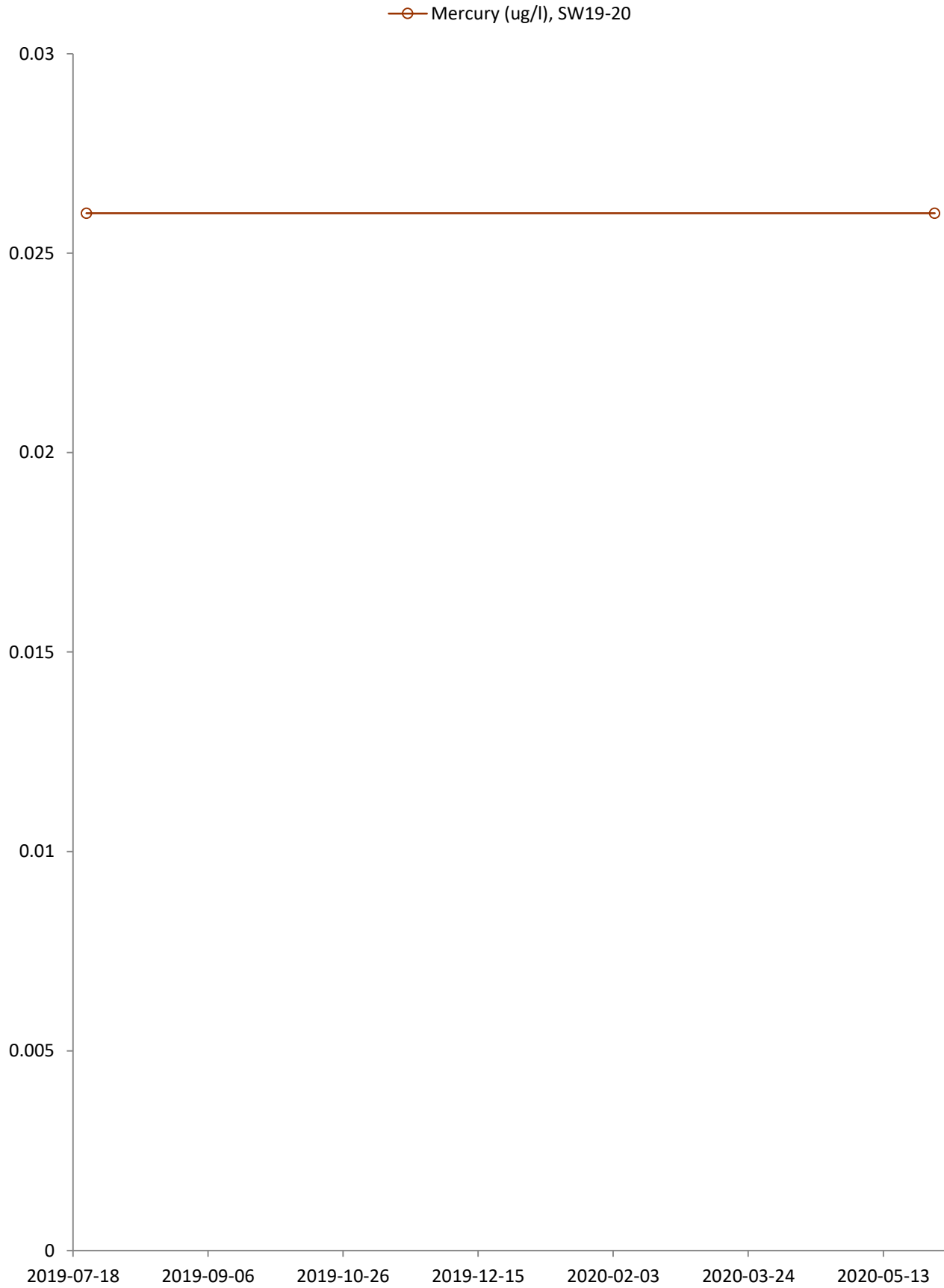




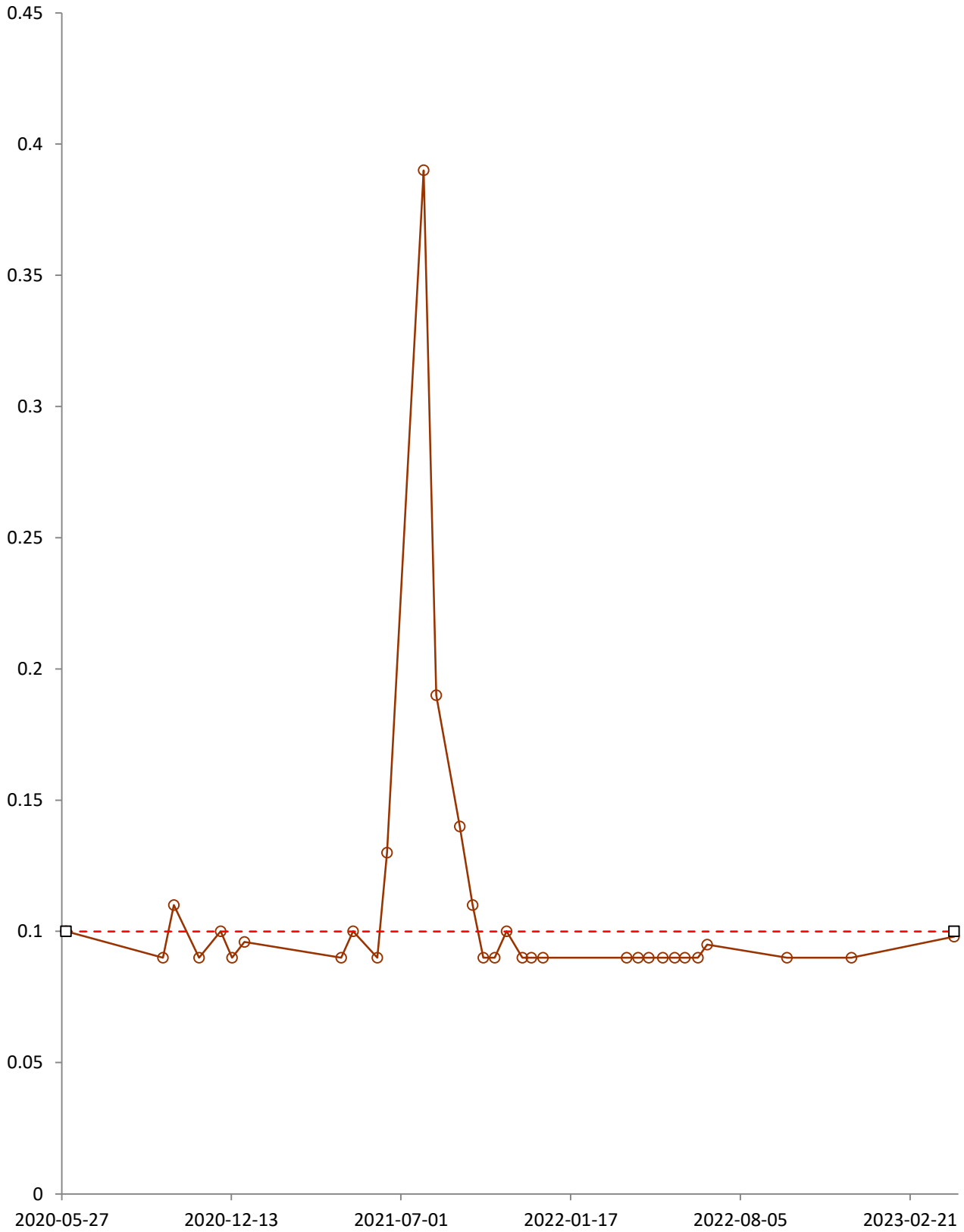


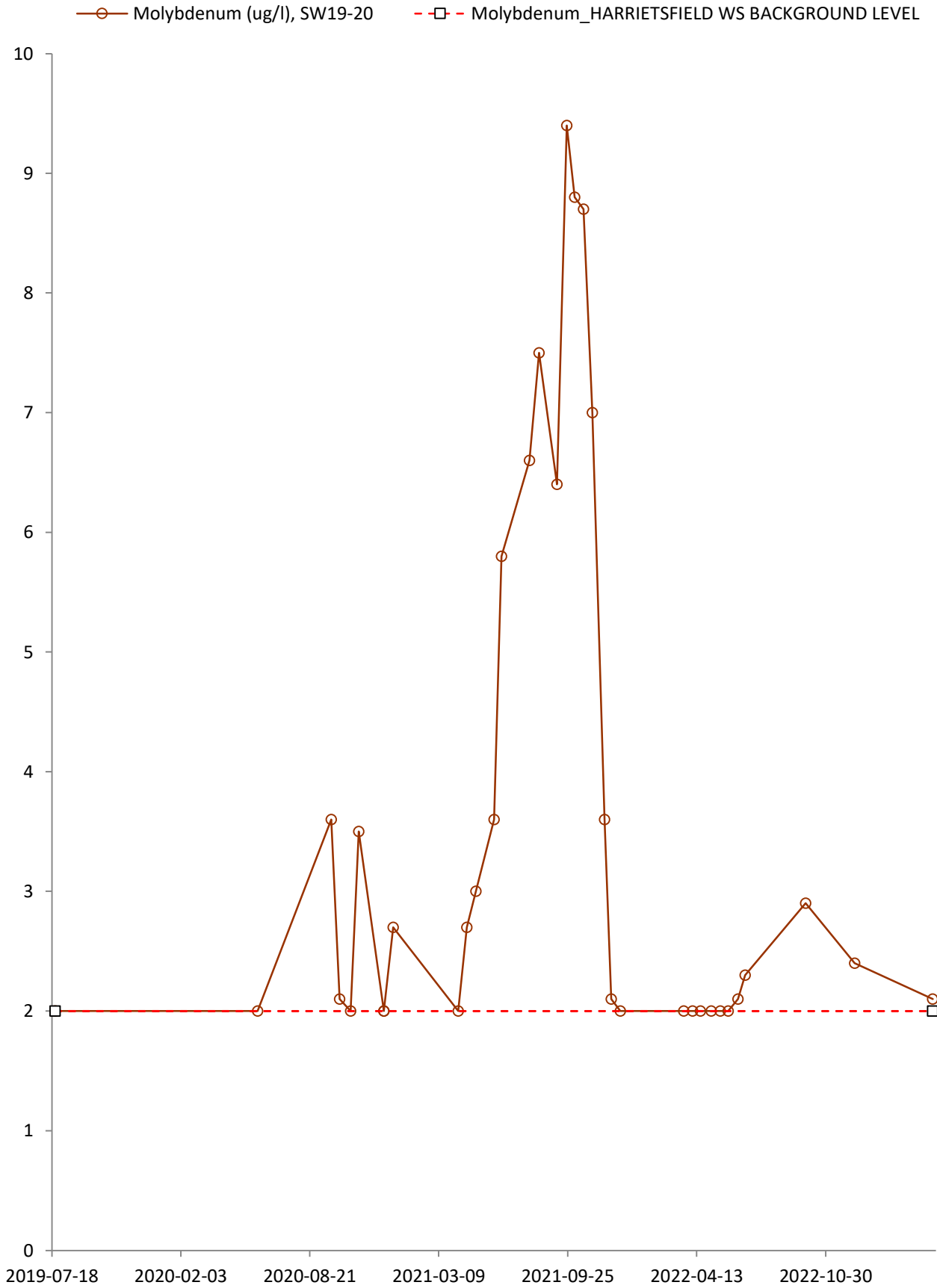


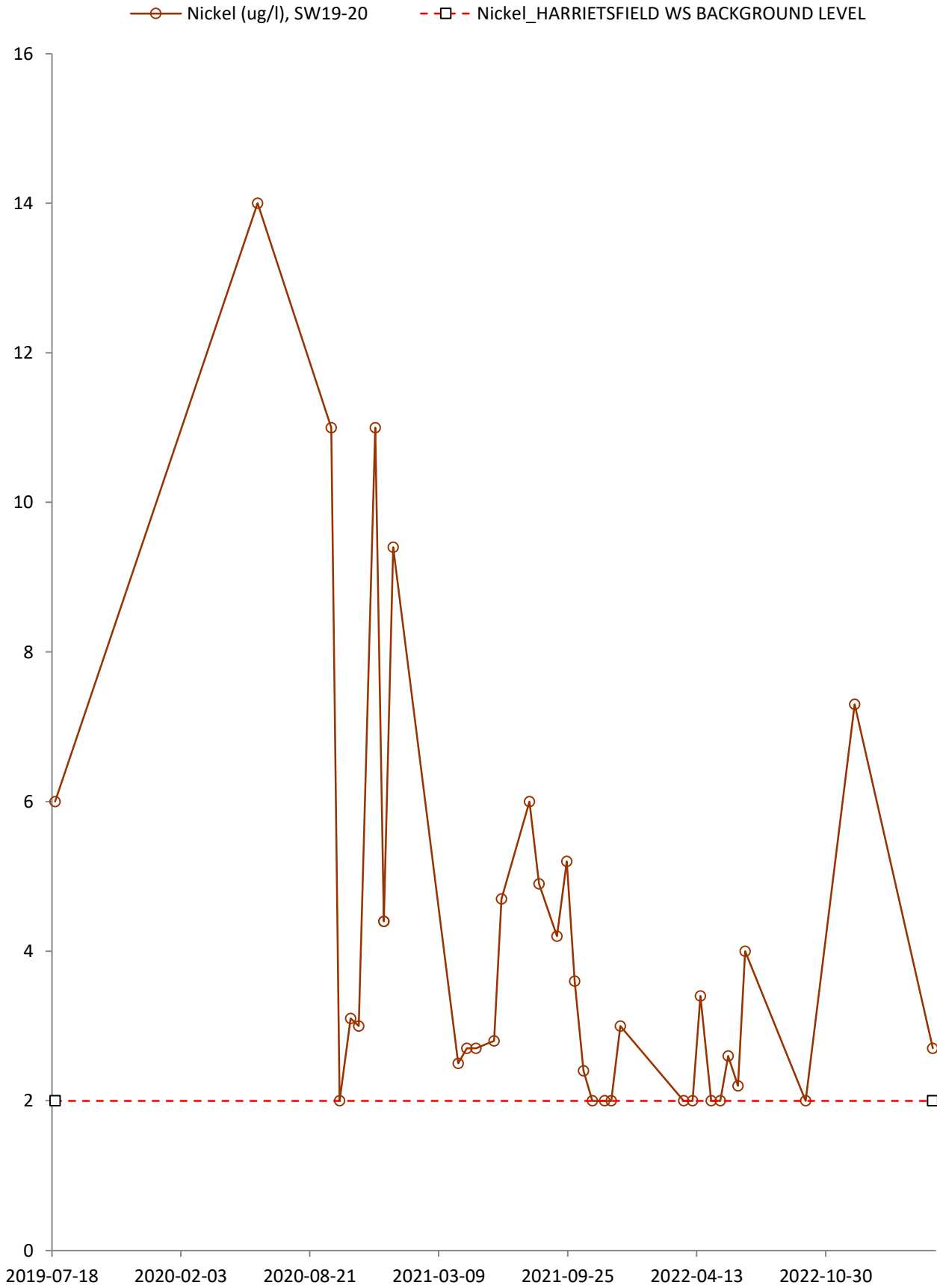


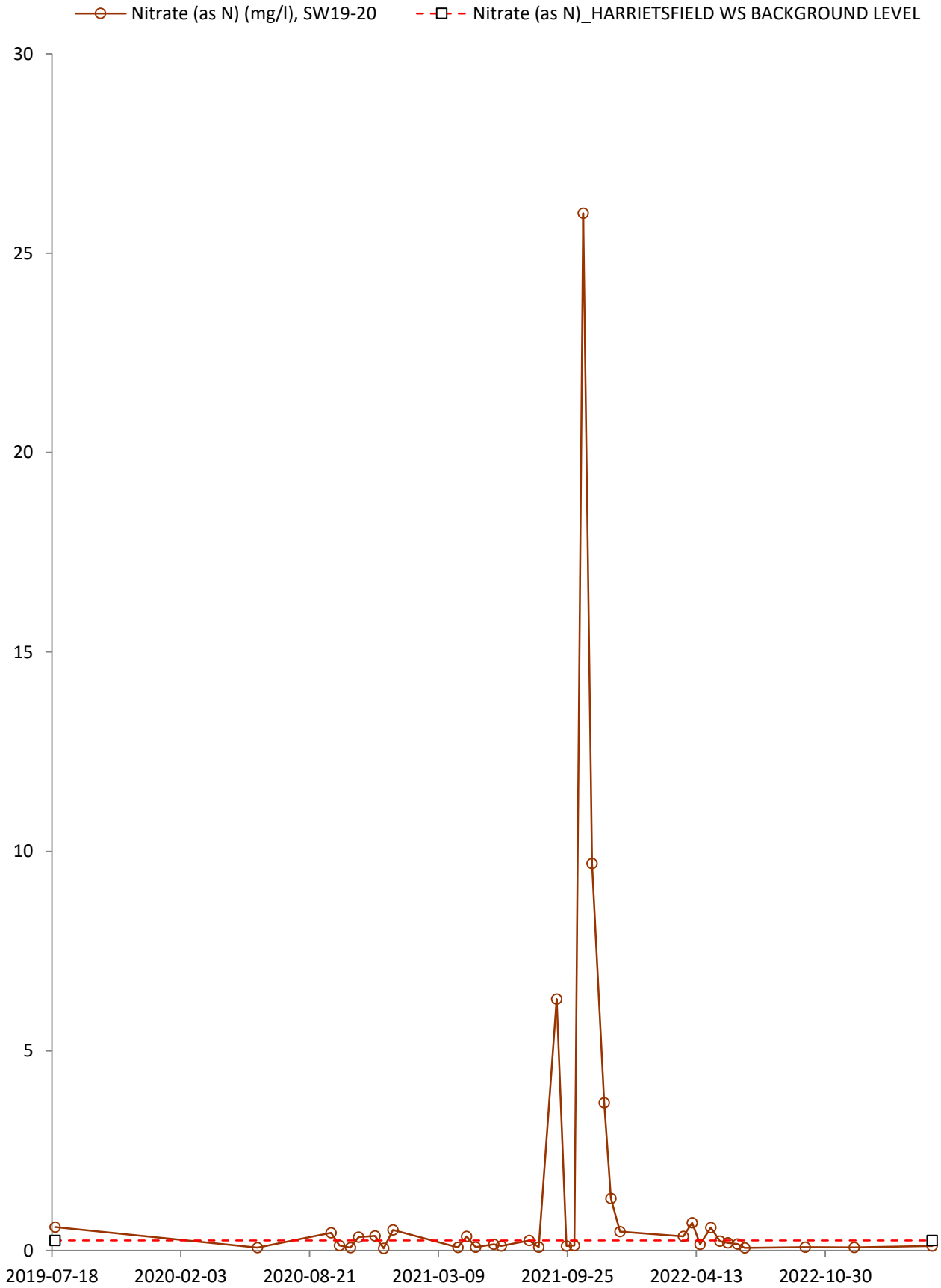


- Modified TPH Tier 1 (mg/l), SW19-20
- Modified TPH Tier 1_HARRIETSFIELD WS BACKGROUND LEVEL

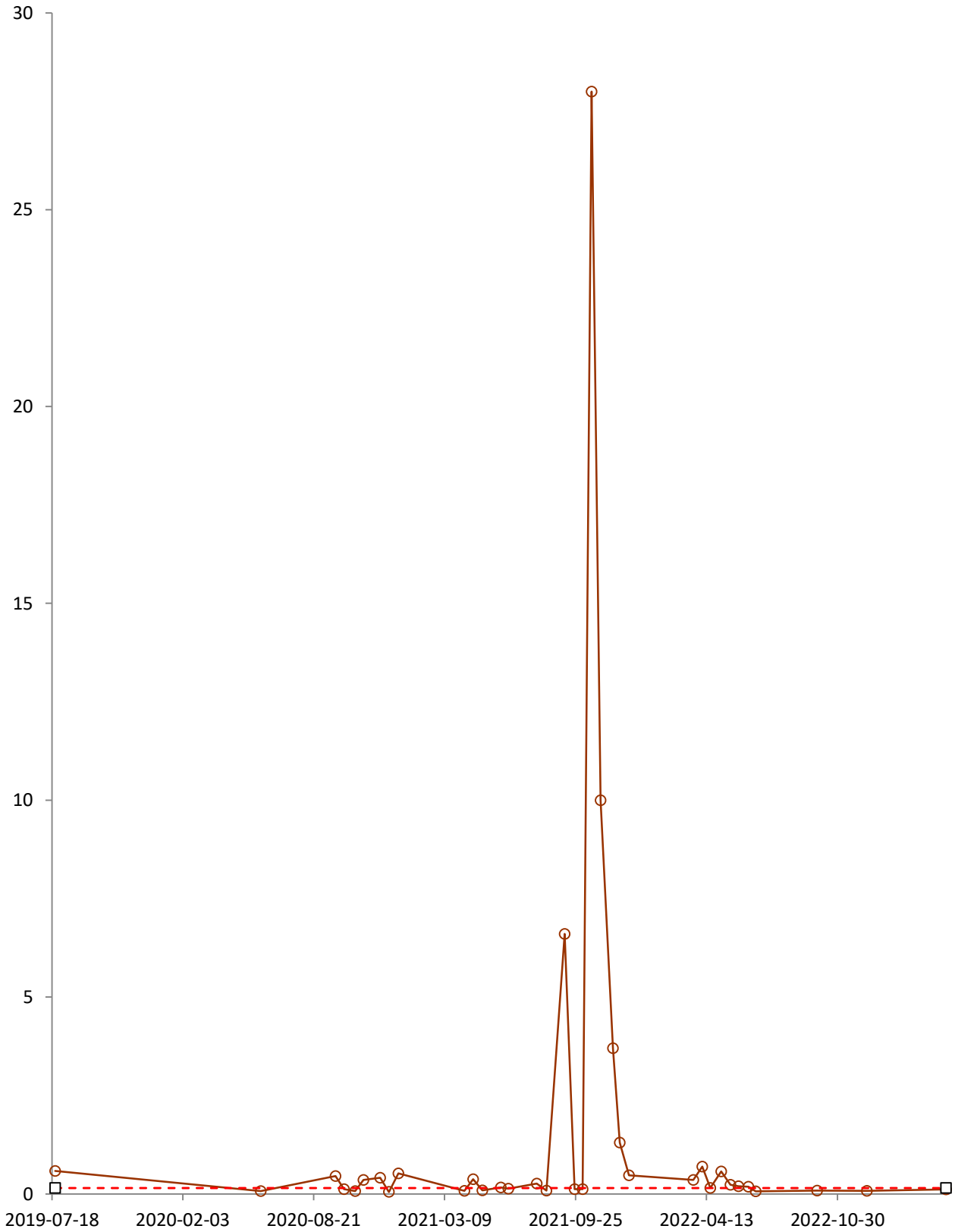


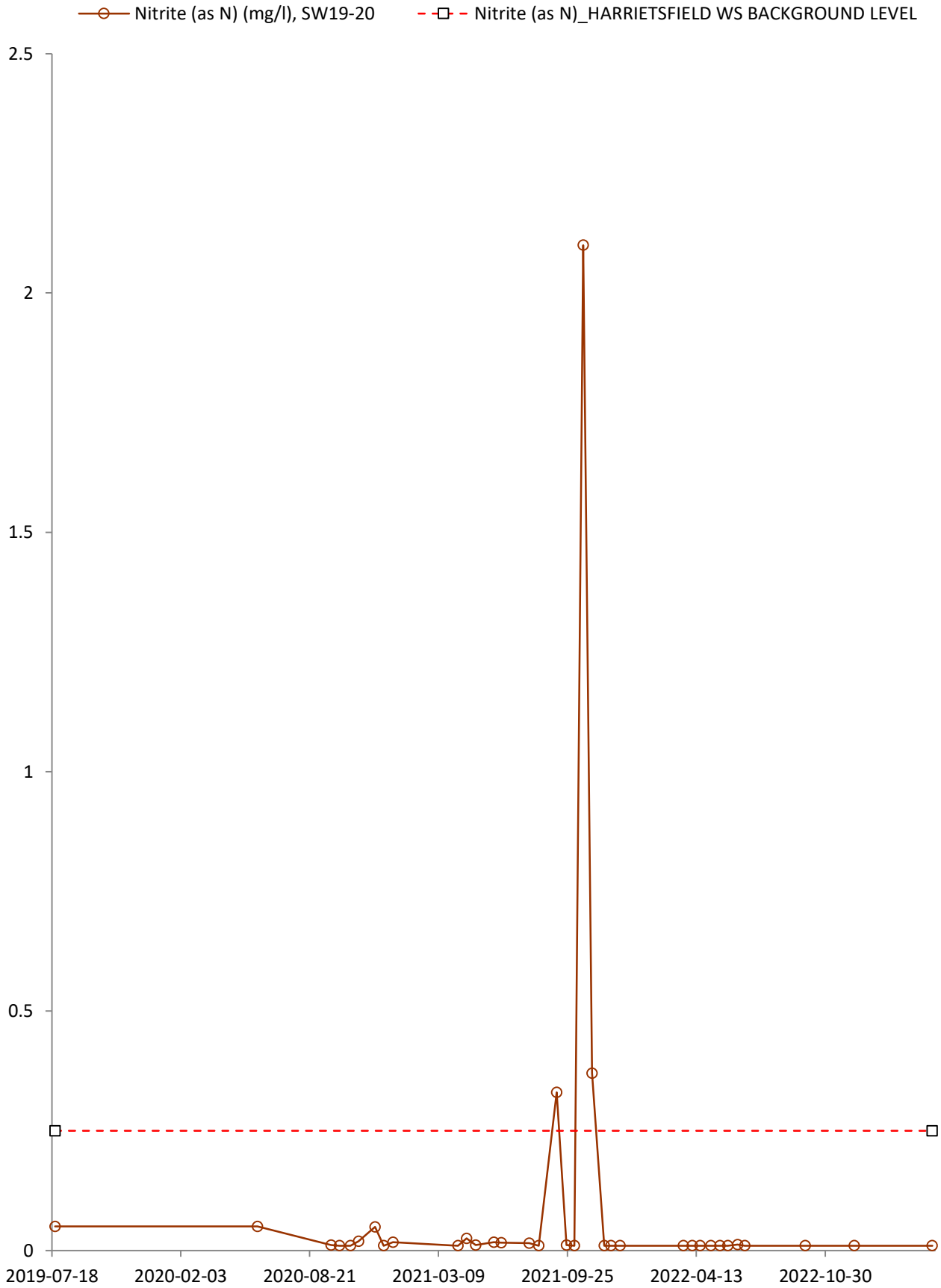




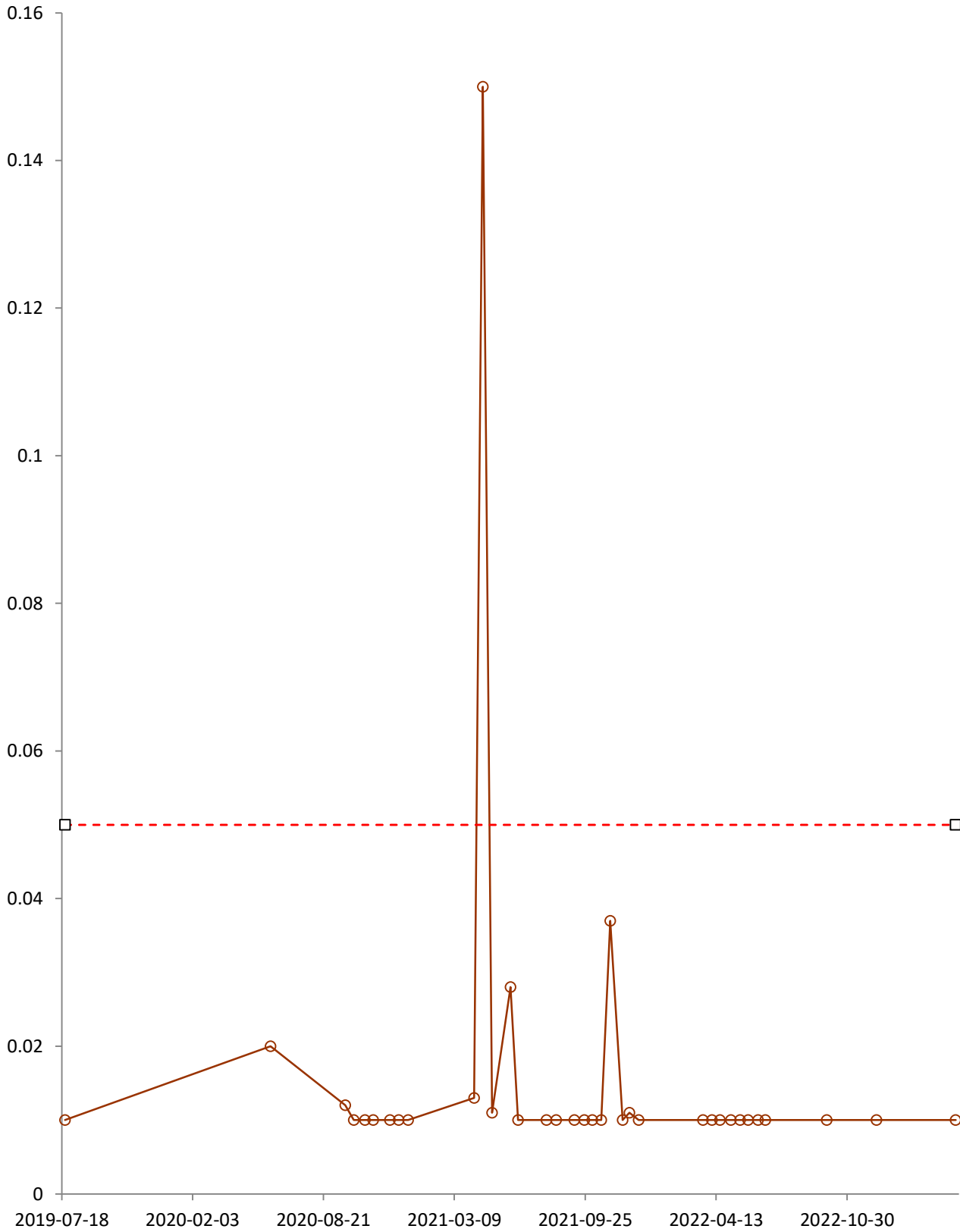


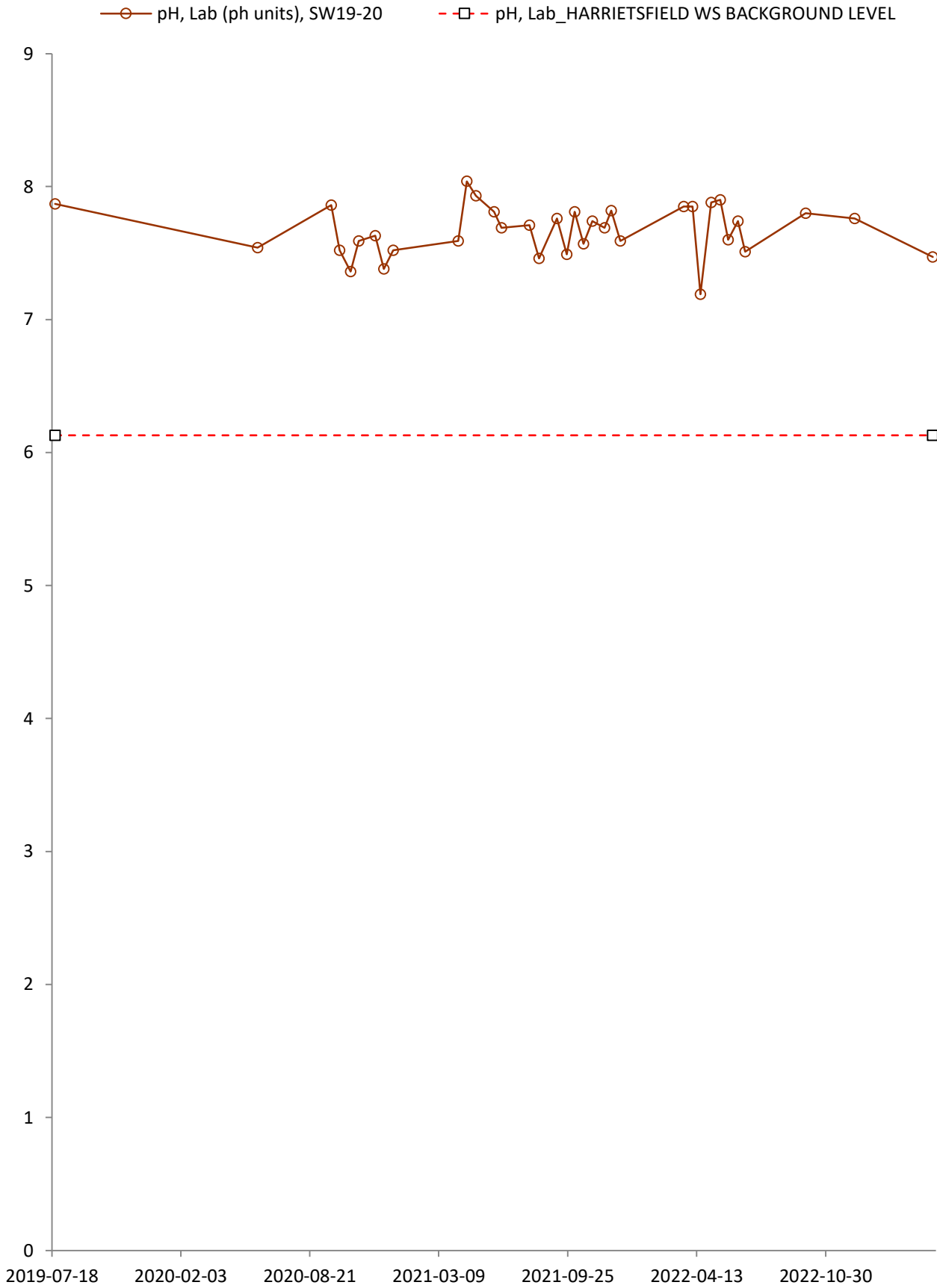
—○— Nitrate plus Nitrite (N) (mg/l), SW19-20
- -□- - Nitrate plus Nitrite (N)_HARRIETSFIELD WS BACKGROUND LEVEL

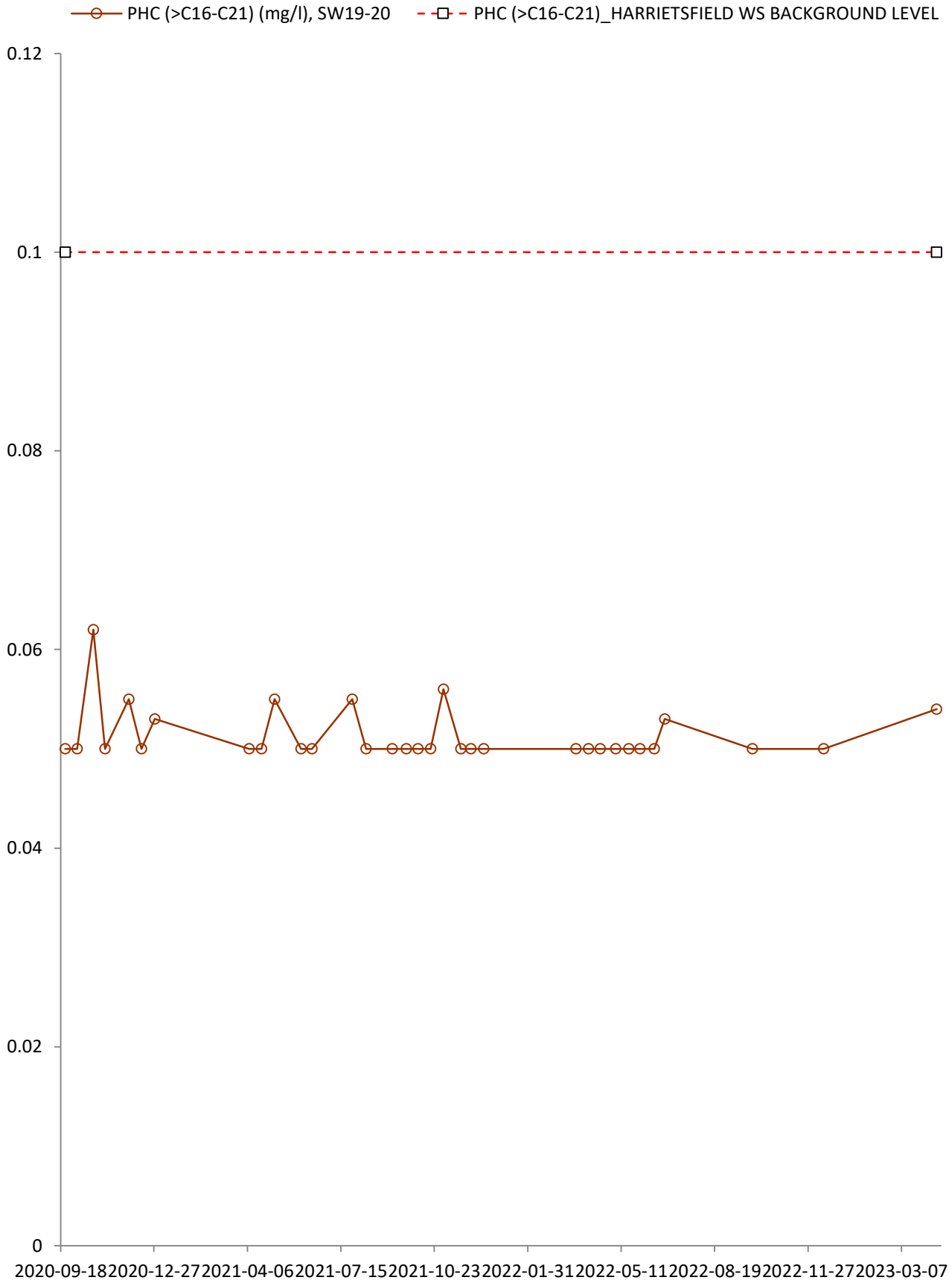




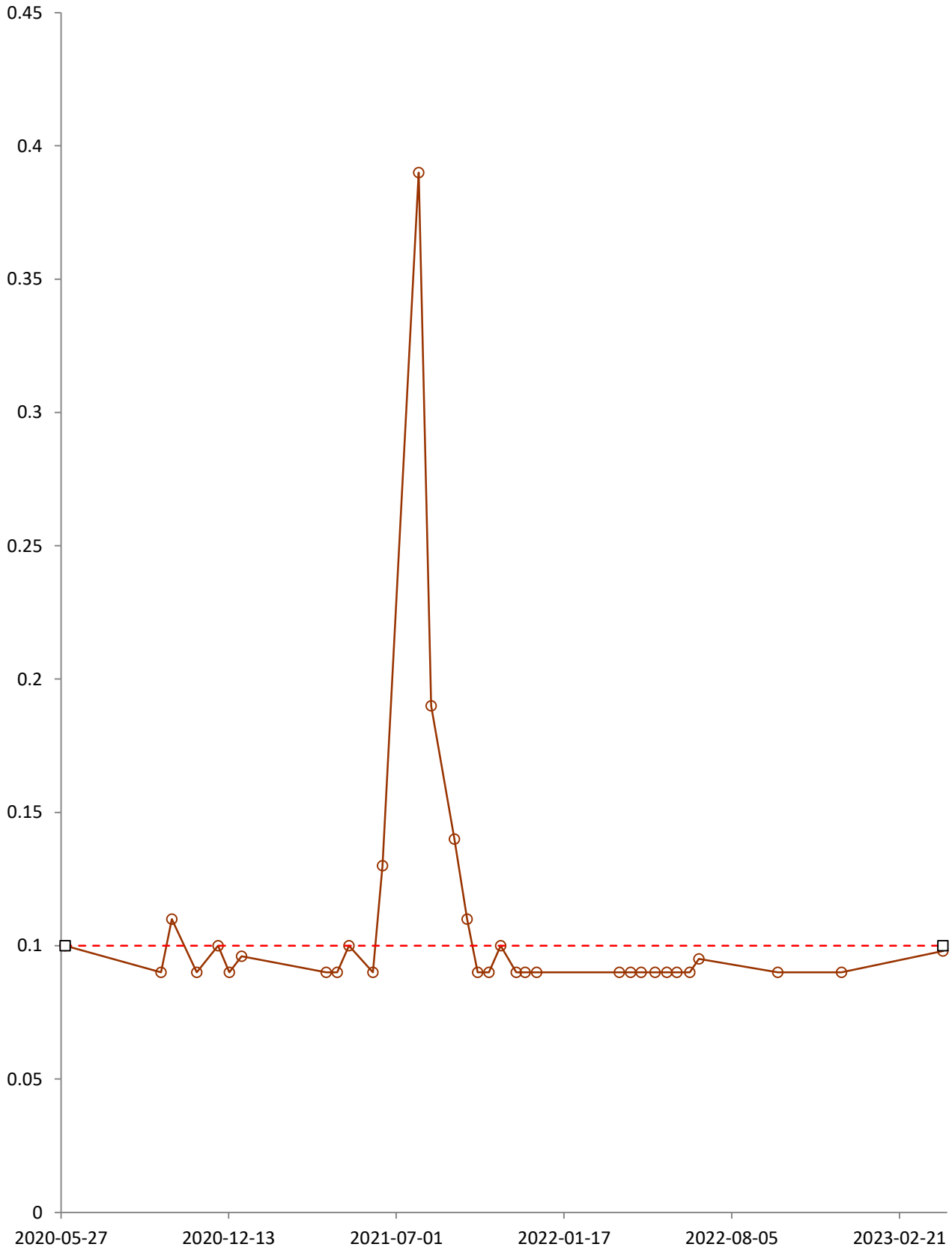
- Orthophosphate(as P) (mg/l), SW19-20
- -□- - Orthophosphate(as P)_HARRIETSFIELD WS BACKGROUND LEVEL



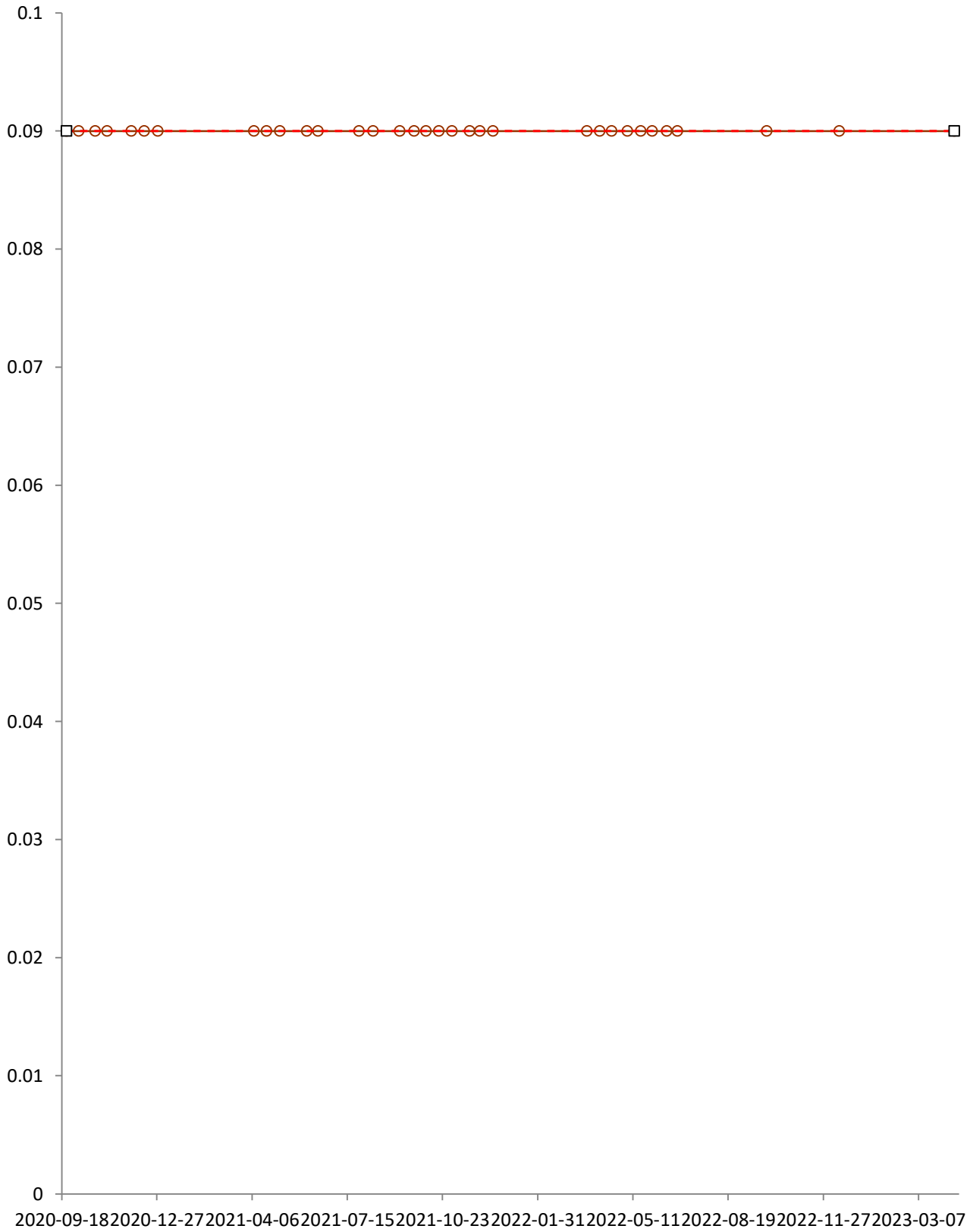


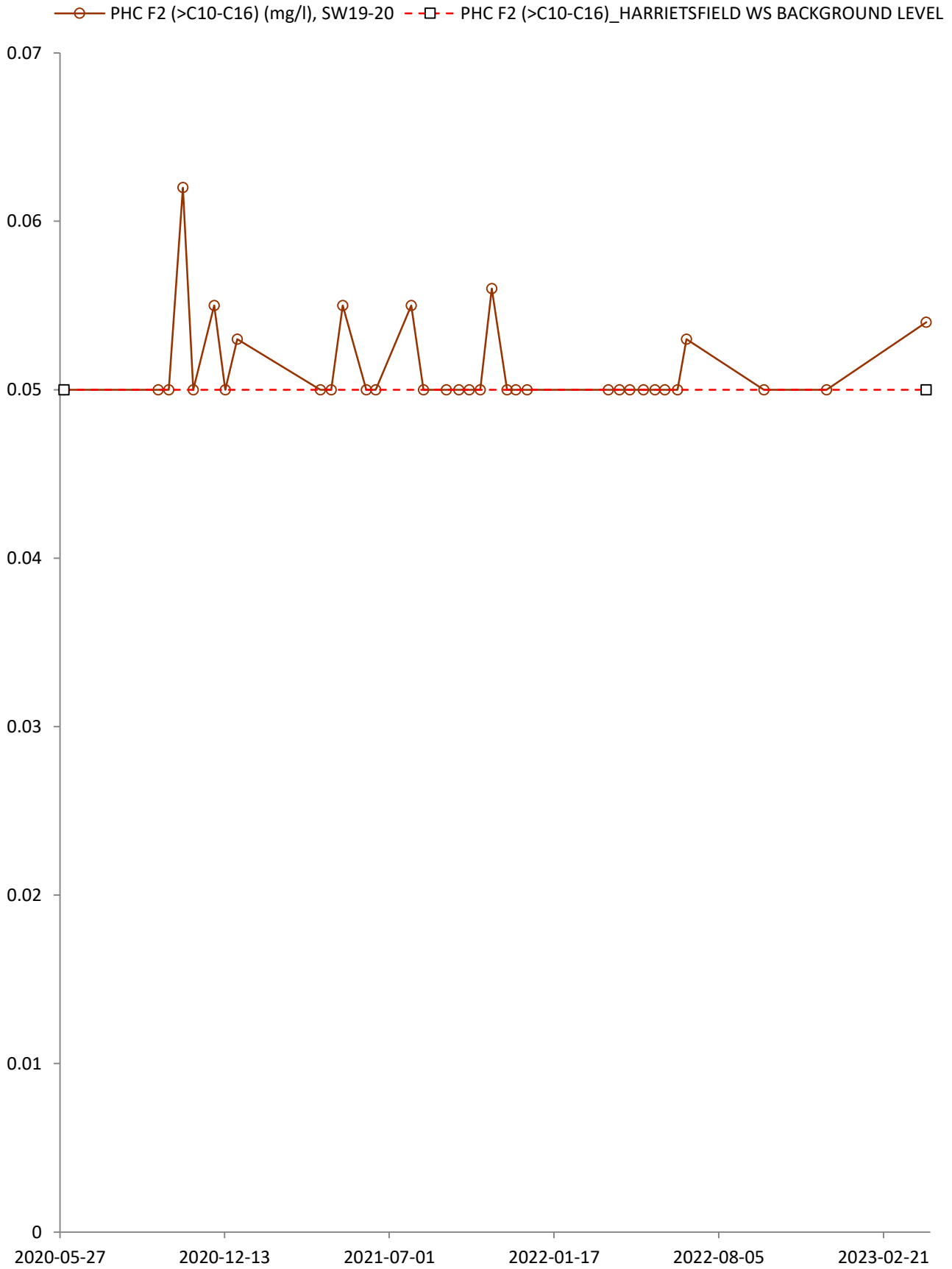


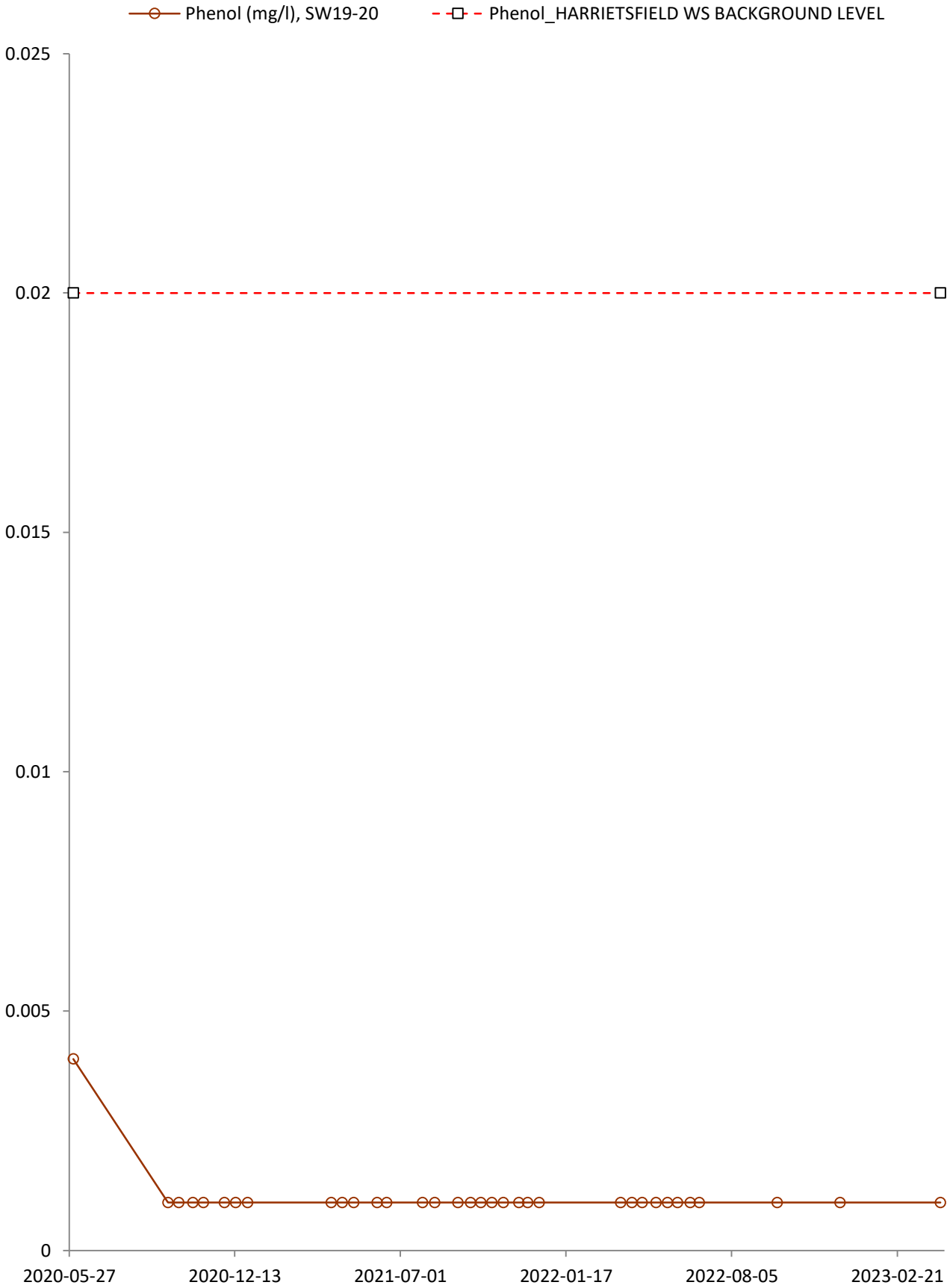
○— PHC (>C21-C32) (mg/l), SW19-20 -□- PHC (>C21-C32)_HARRIETSFIELD WS BACKGROUND LEVEL

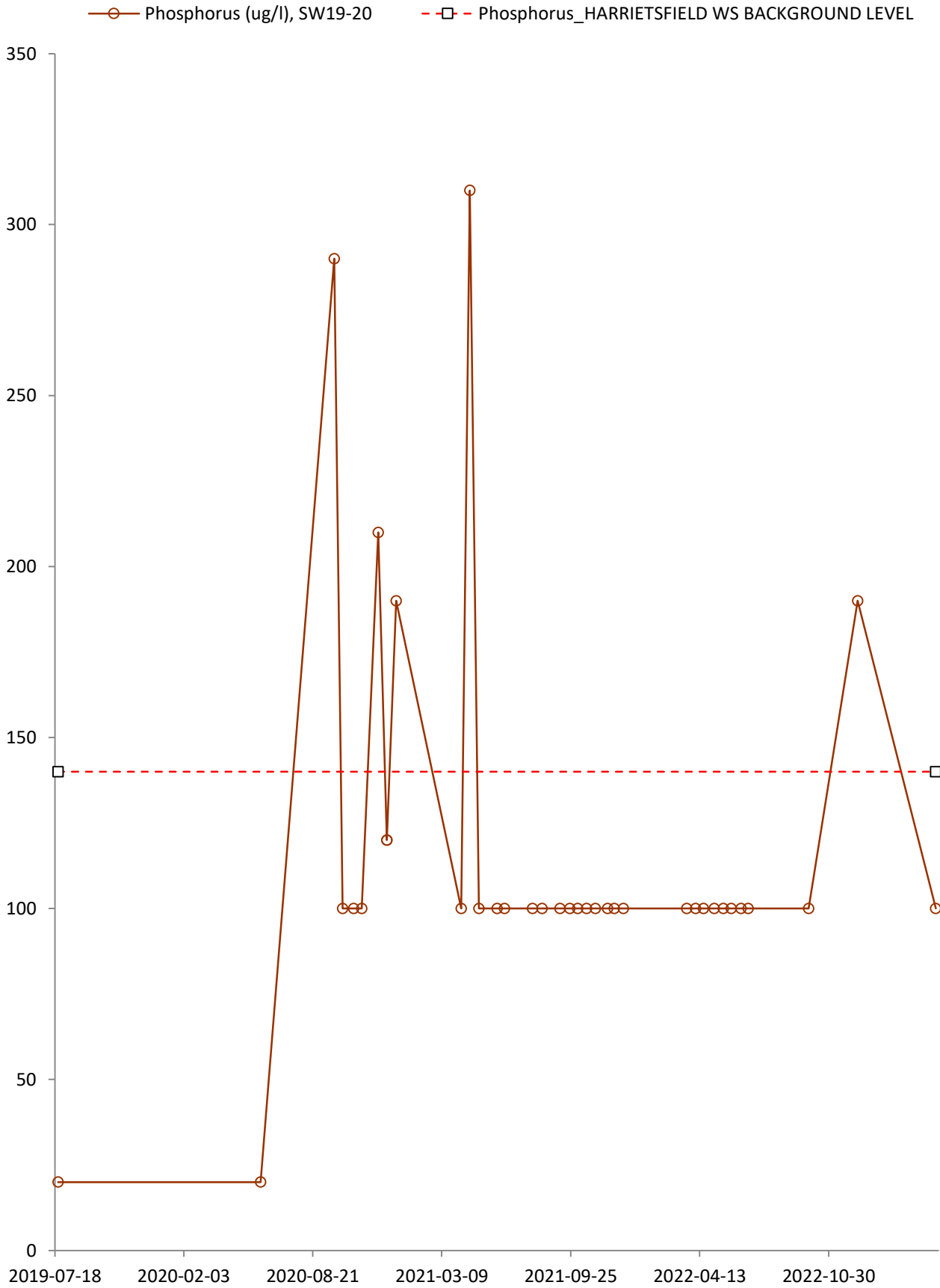


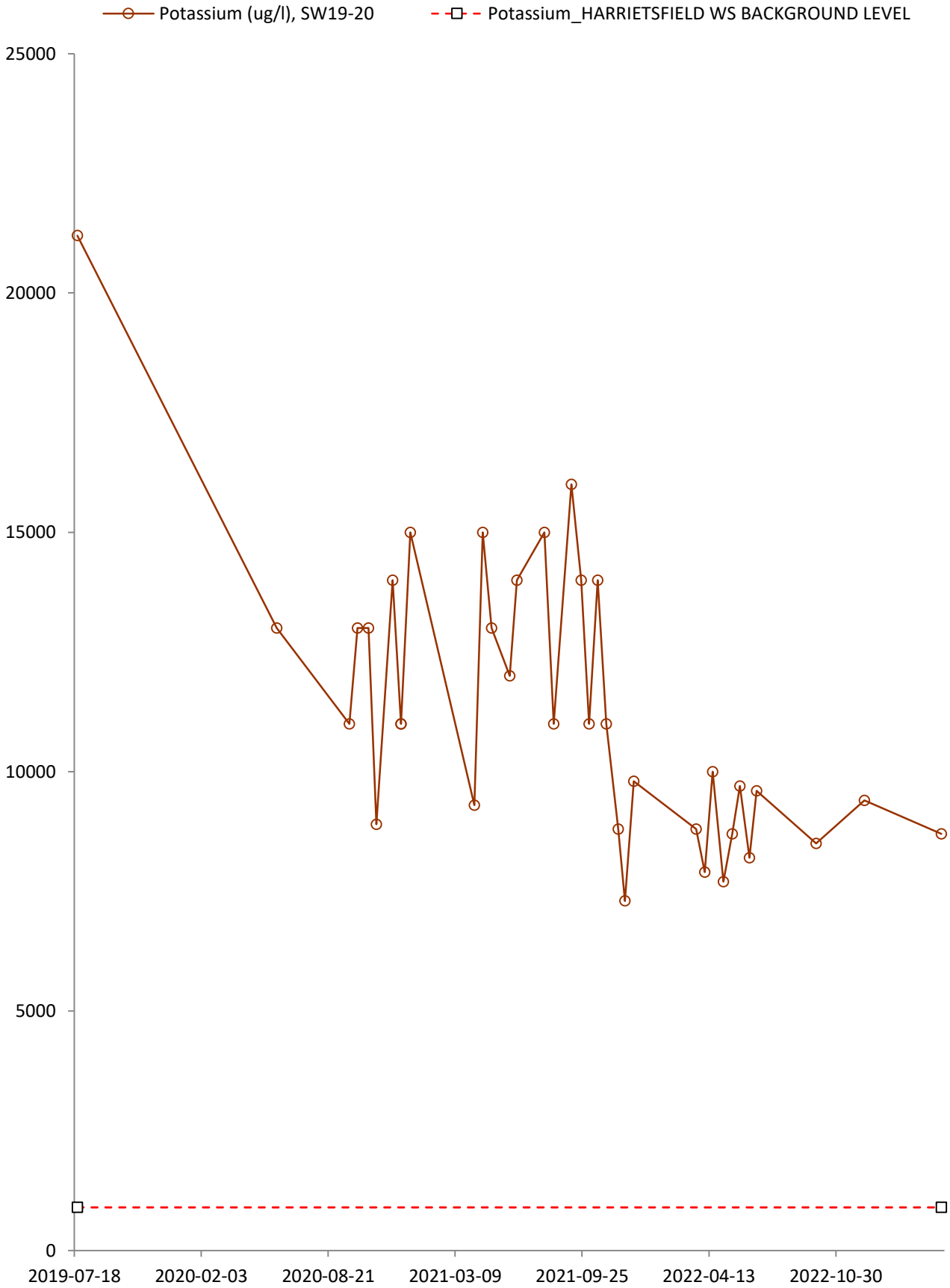
—○— PHC F1 (C6-C10) min BTEX (mg/l), SW19-20
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WS BACKGROUND LEVEL



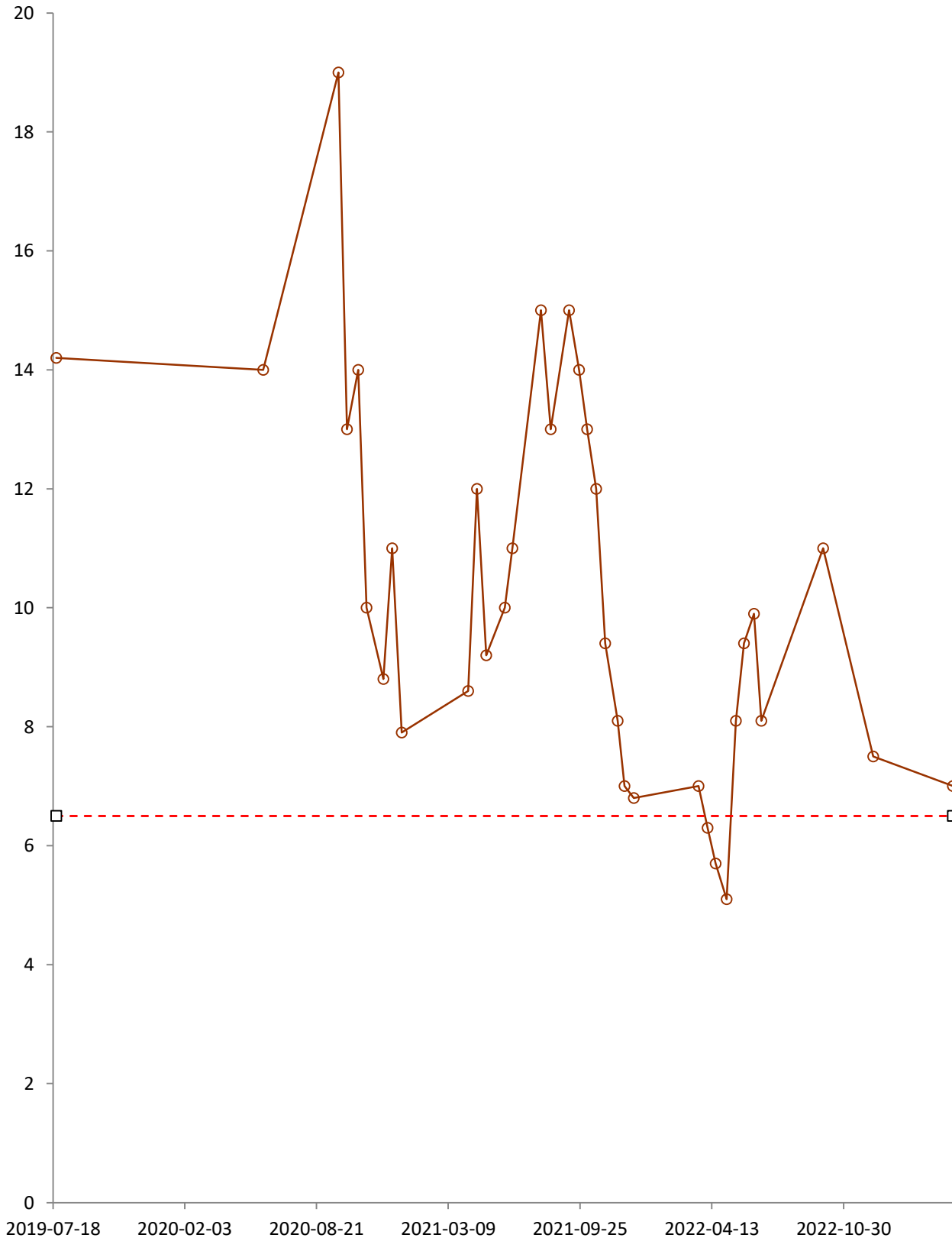




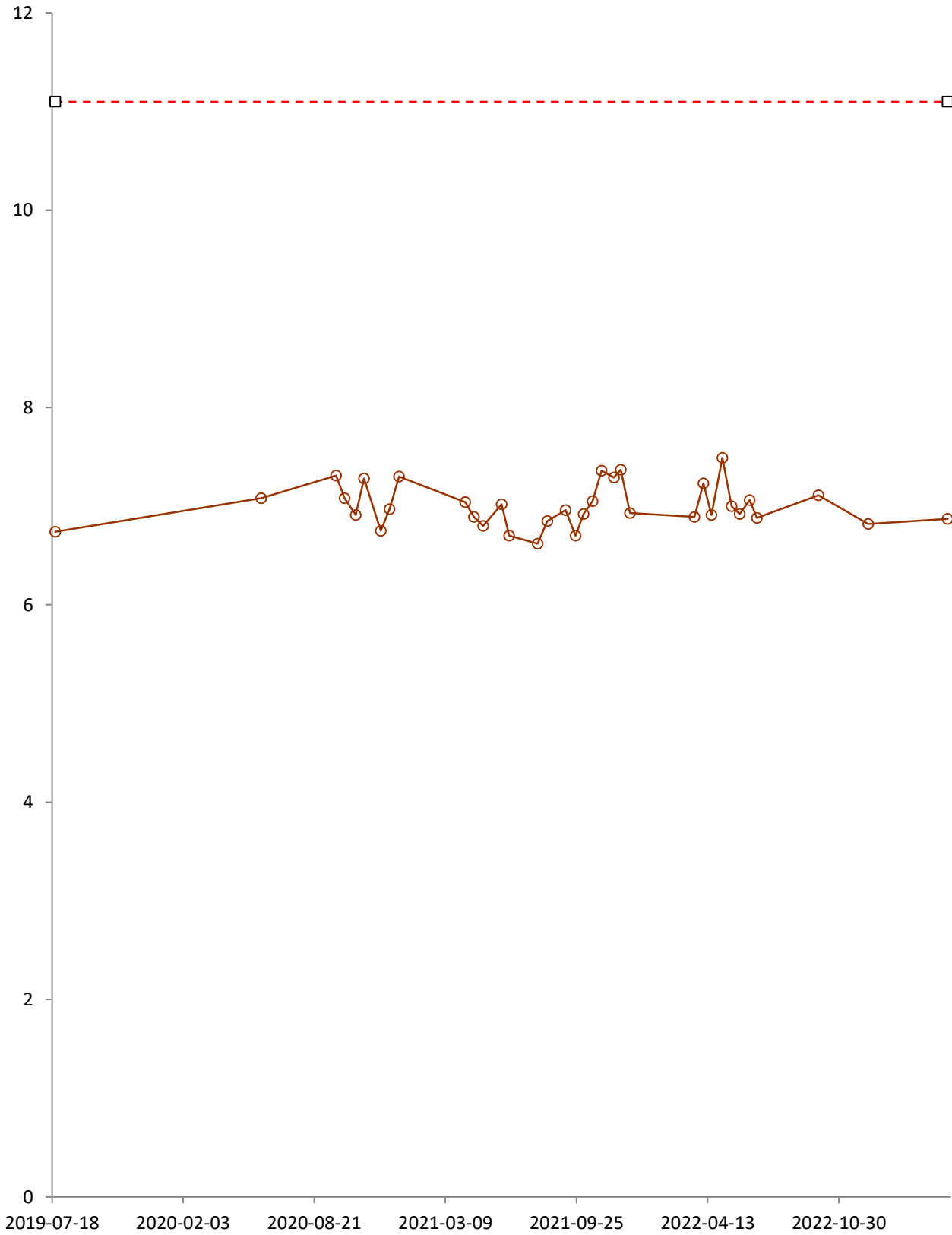




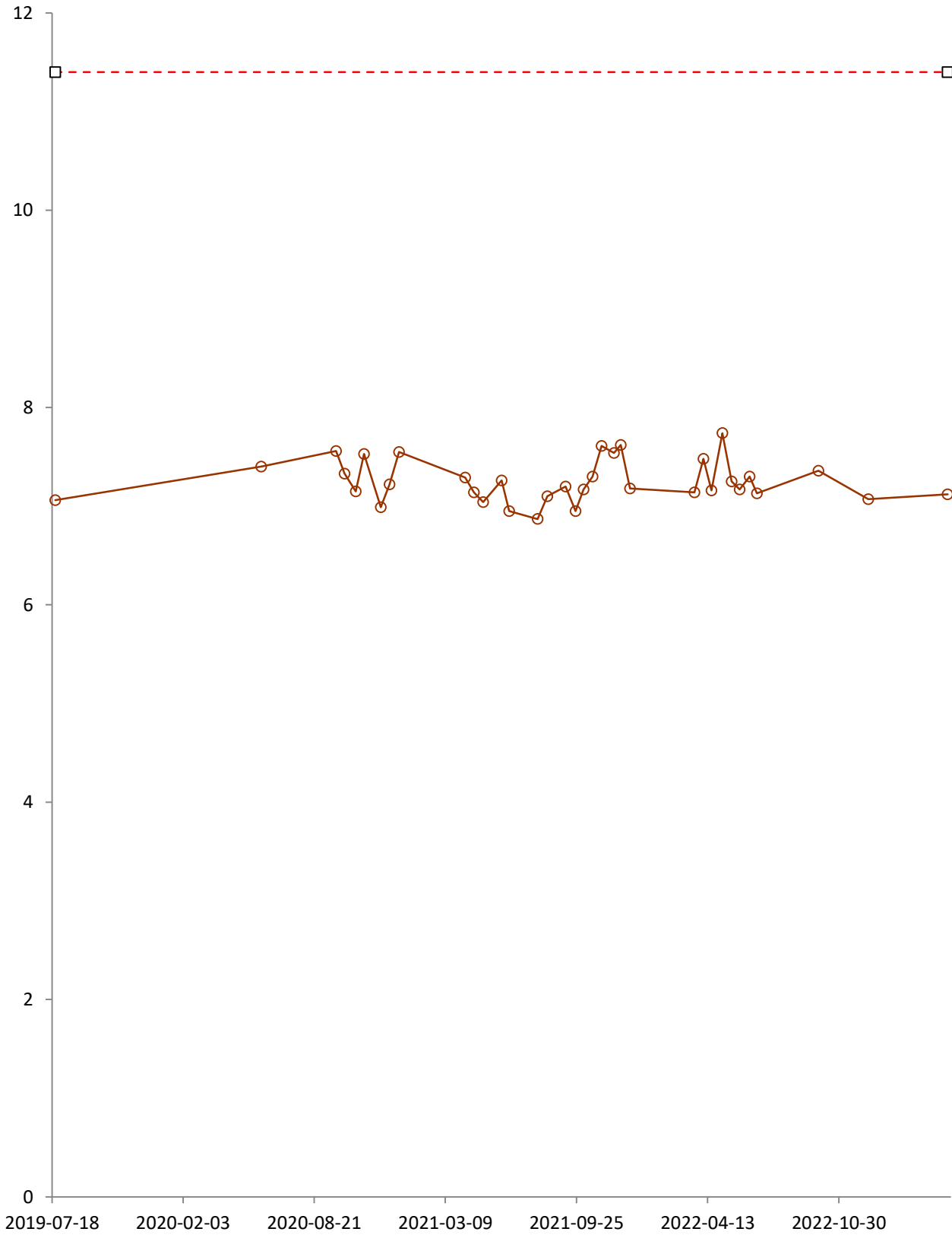
—○— Reactive Silica (SiO₂) (mg/l), SW19-20
- -□- - Reactive Silica (SiO₂)_HARRIETSFIELD WS BACKGROUND LEVEL

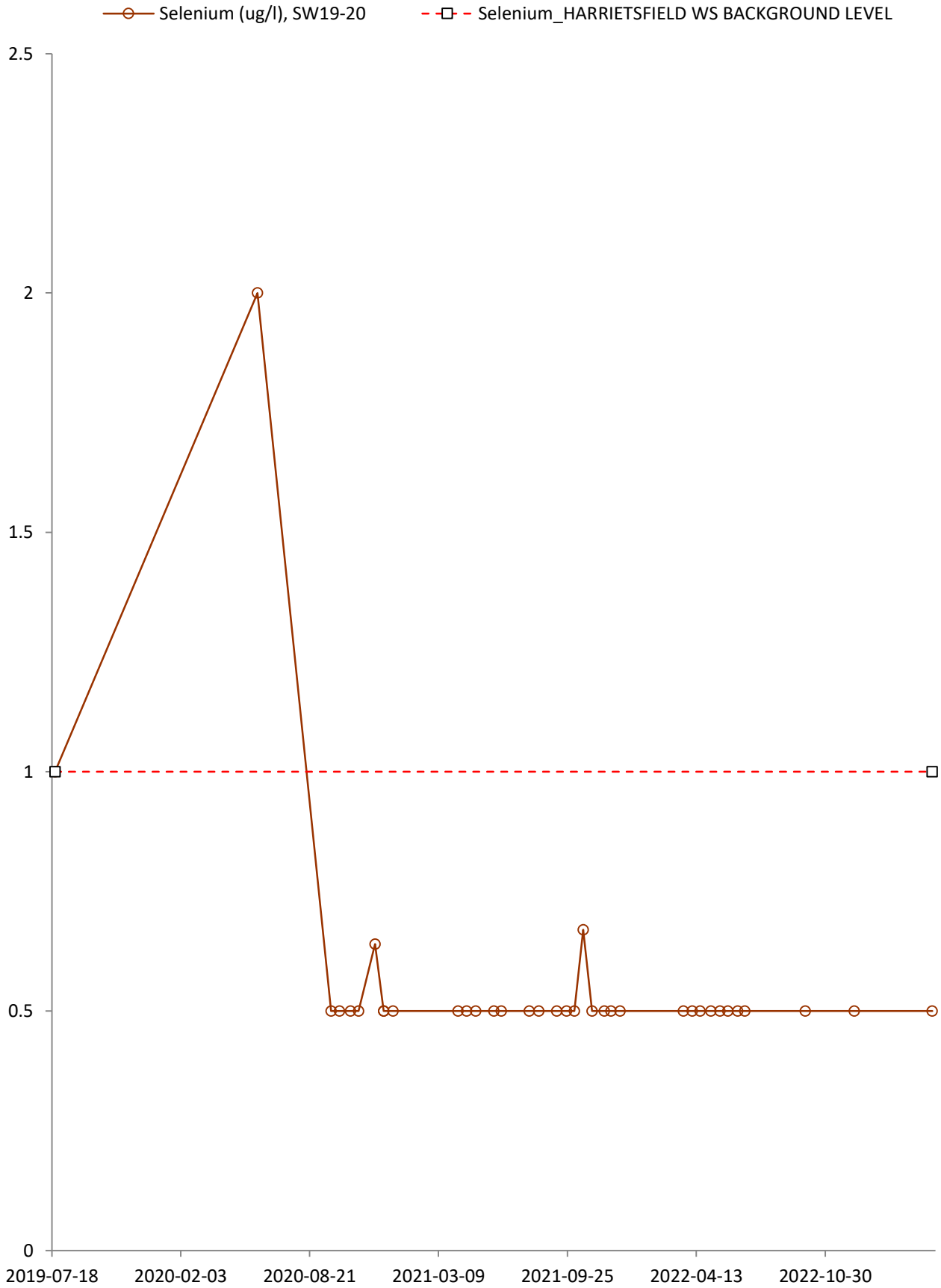


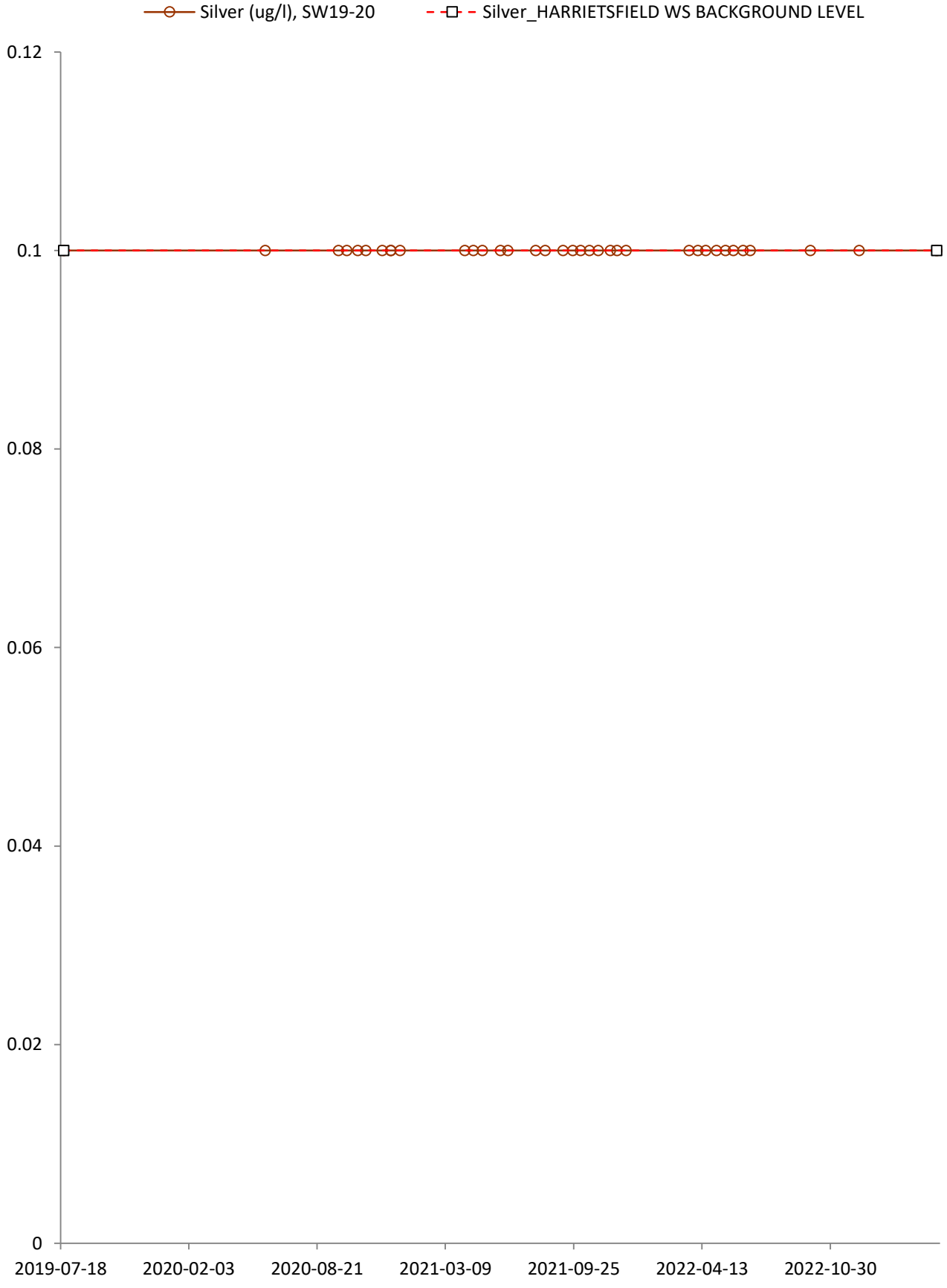
- Saturation pH (at 20 C) (none), SW19-20
- -□- - Saturation pH (at 20 C)_HARRIETSFIELD WS BACKGROUND LEVEL

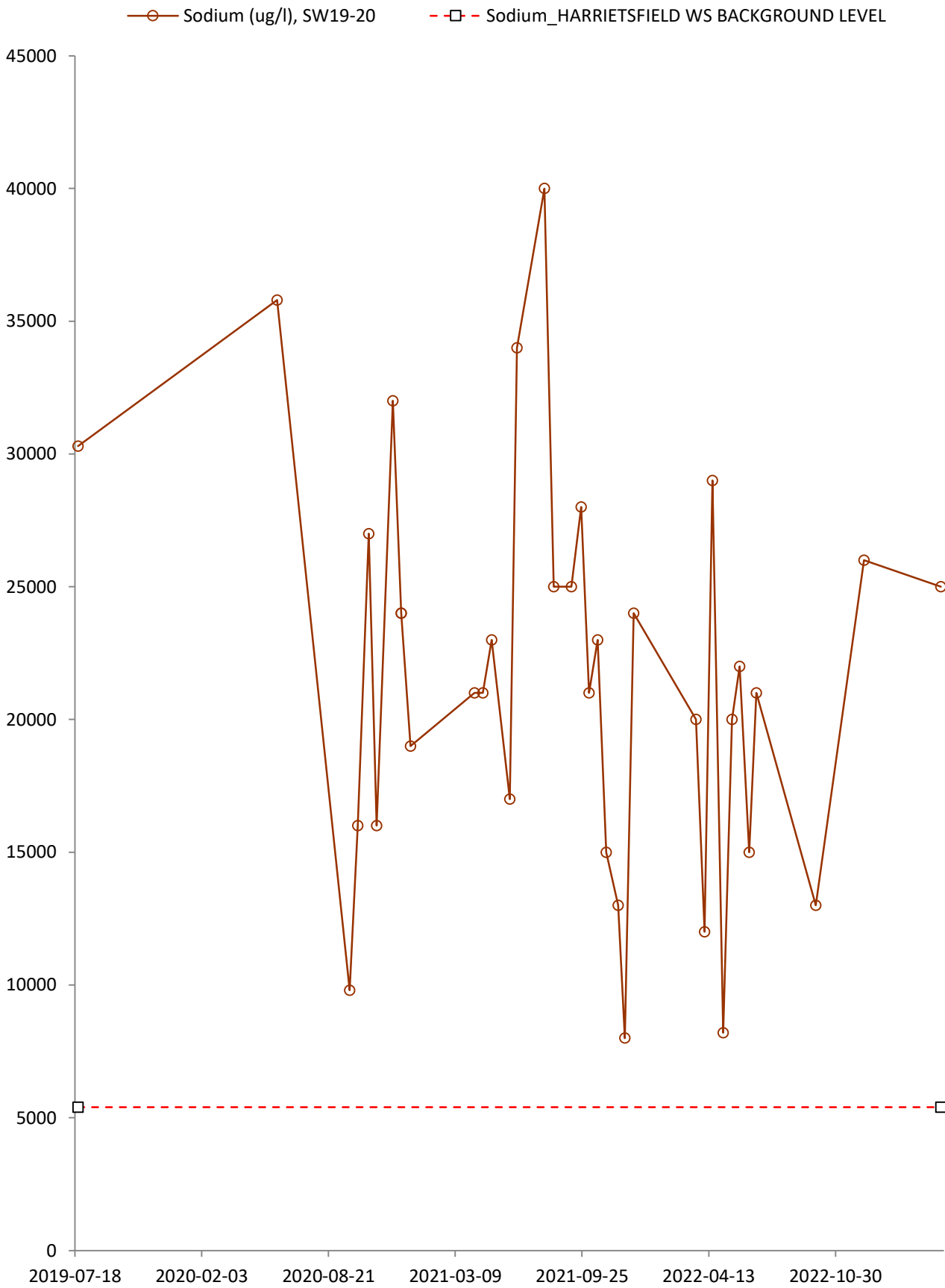


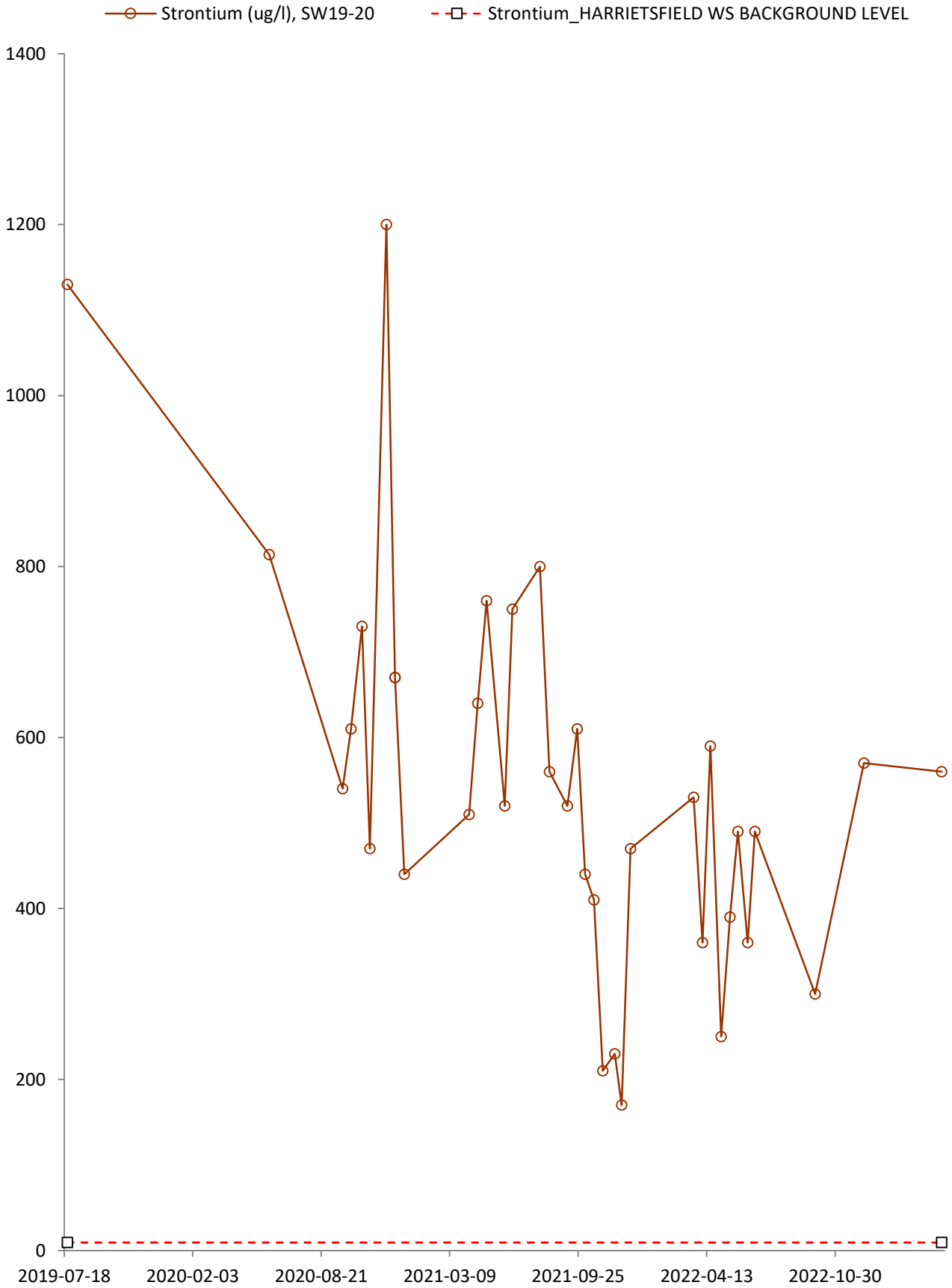
- Saturation pH (at 4 C) (none), SW19-20
- -□- - Saturation pH (at 4 C)_HARRIETSFIELD WS BACKGROUND LEVEL

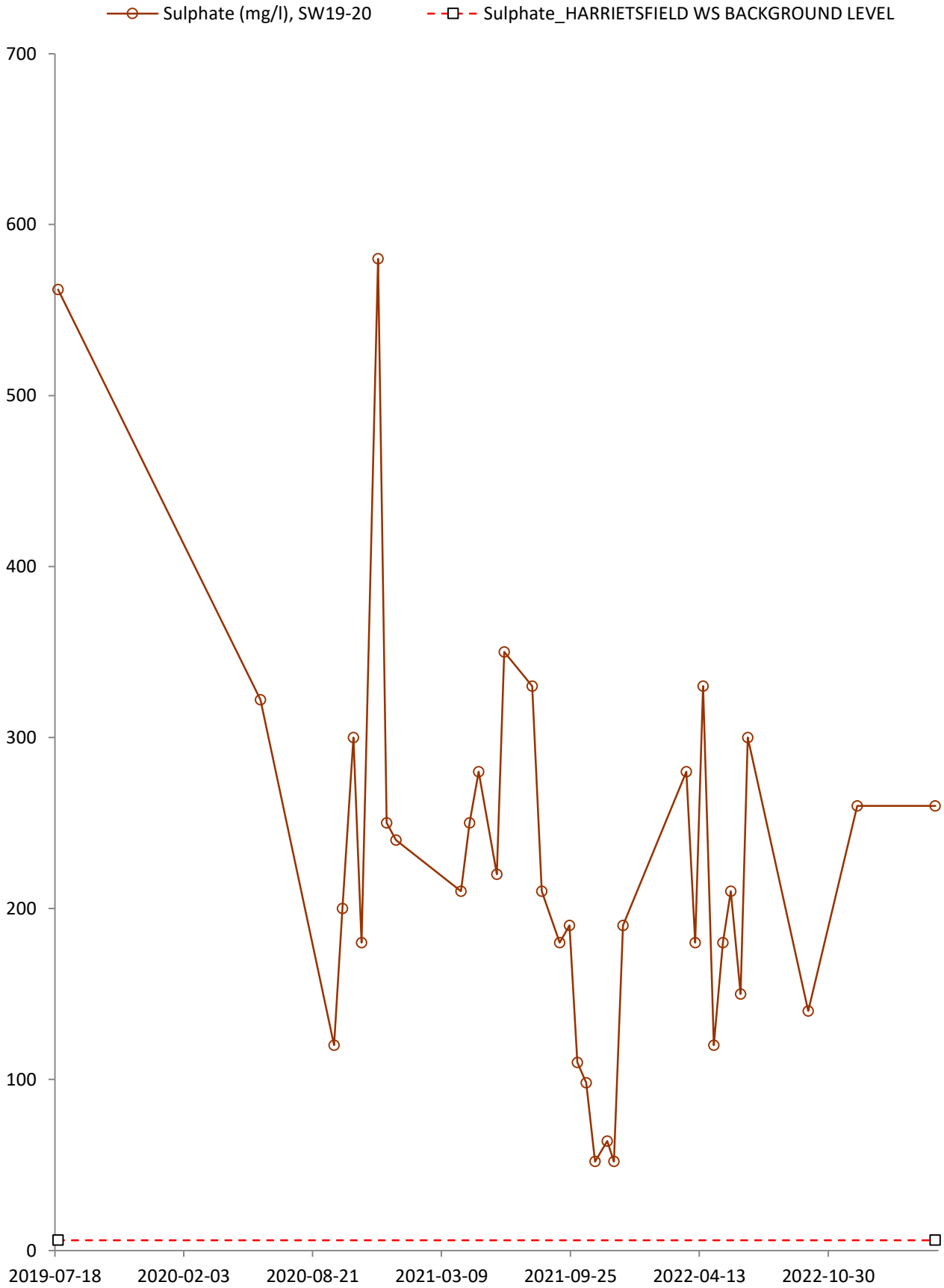


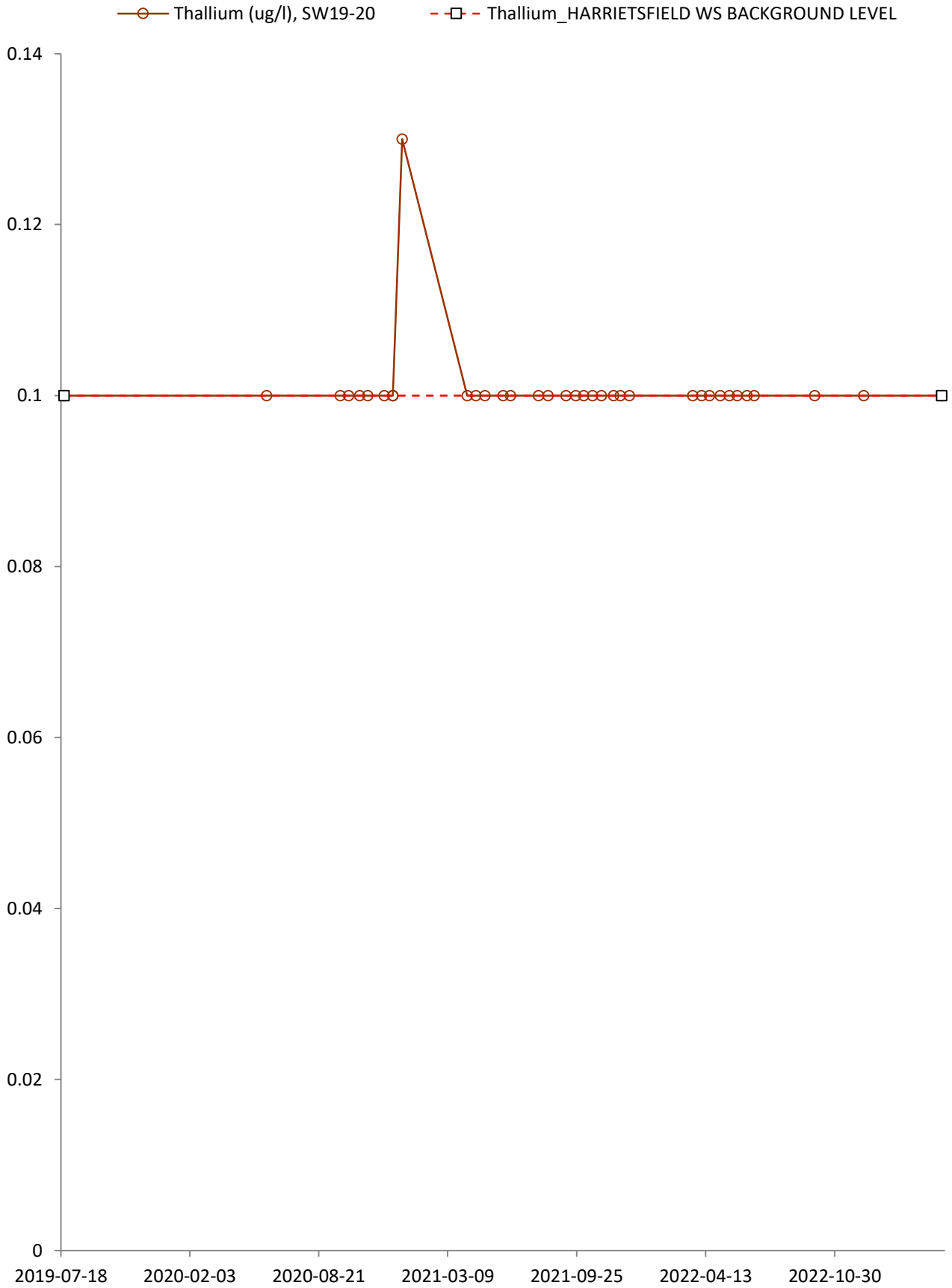


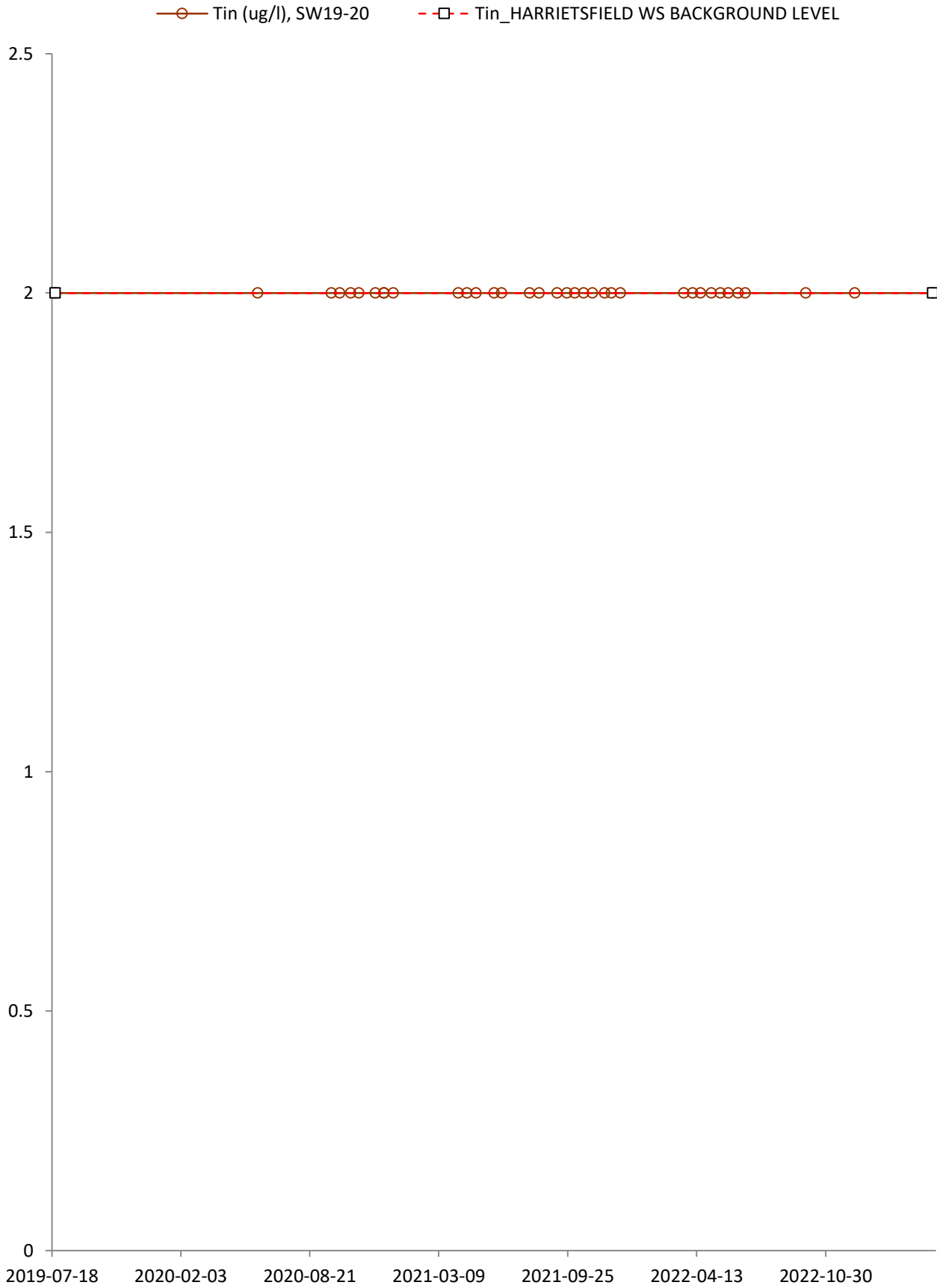


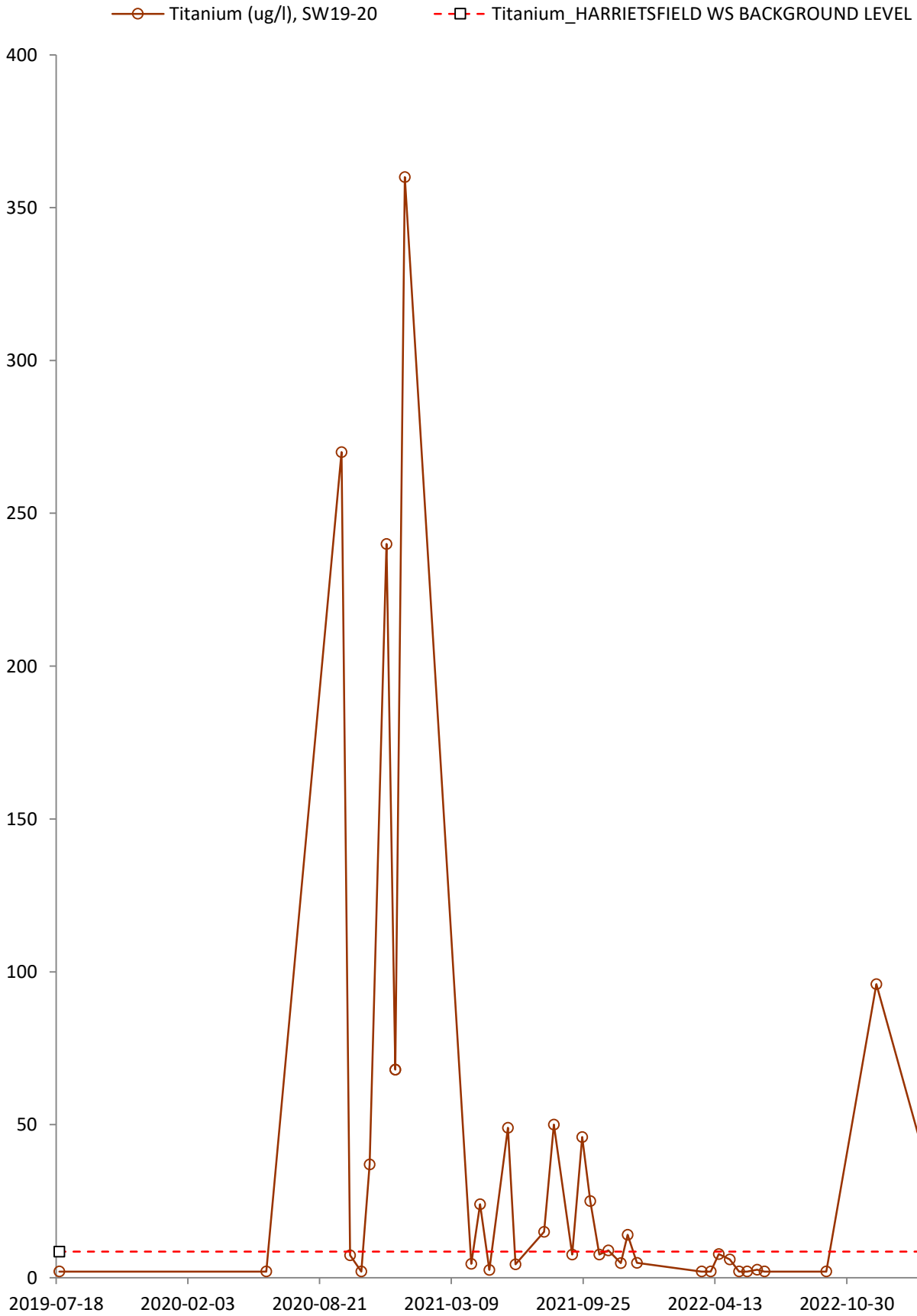


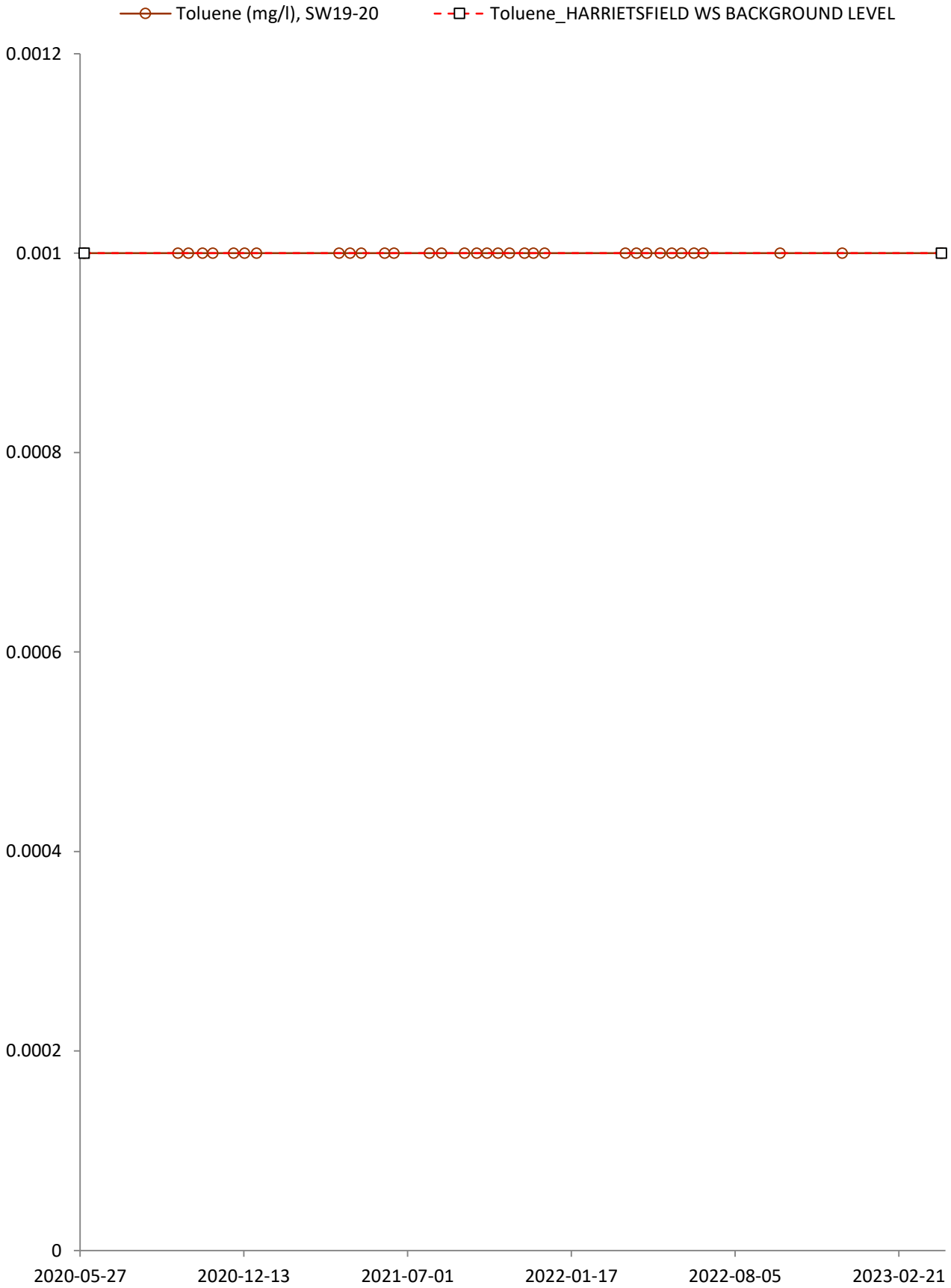




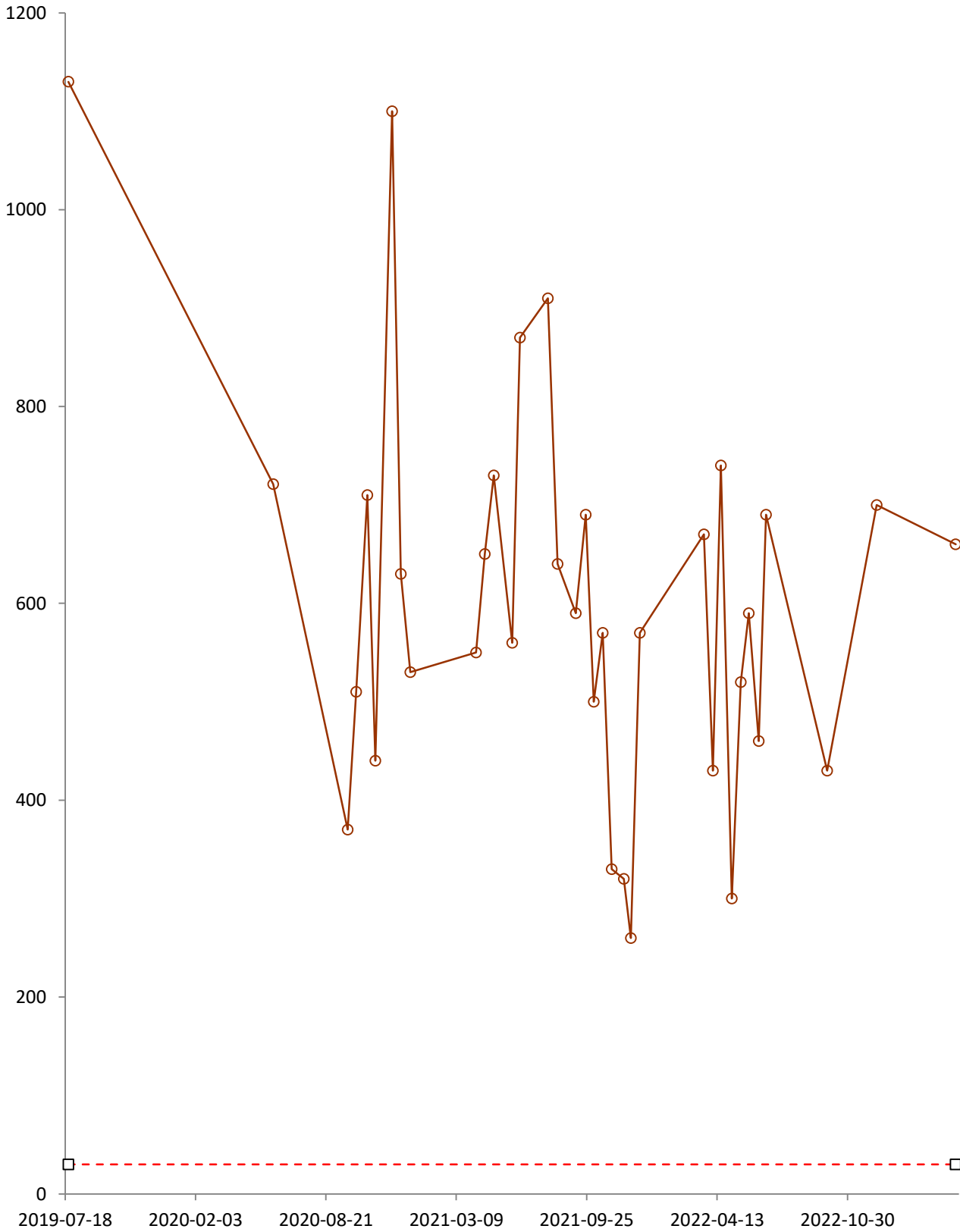




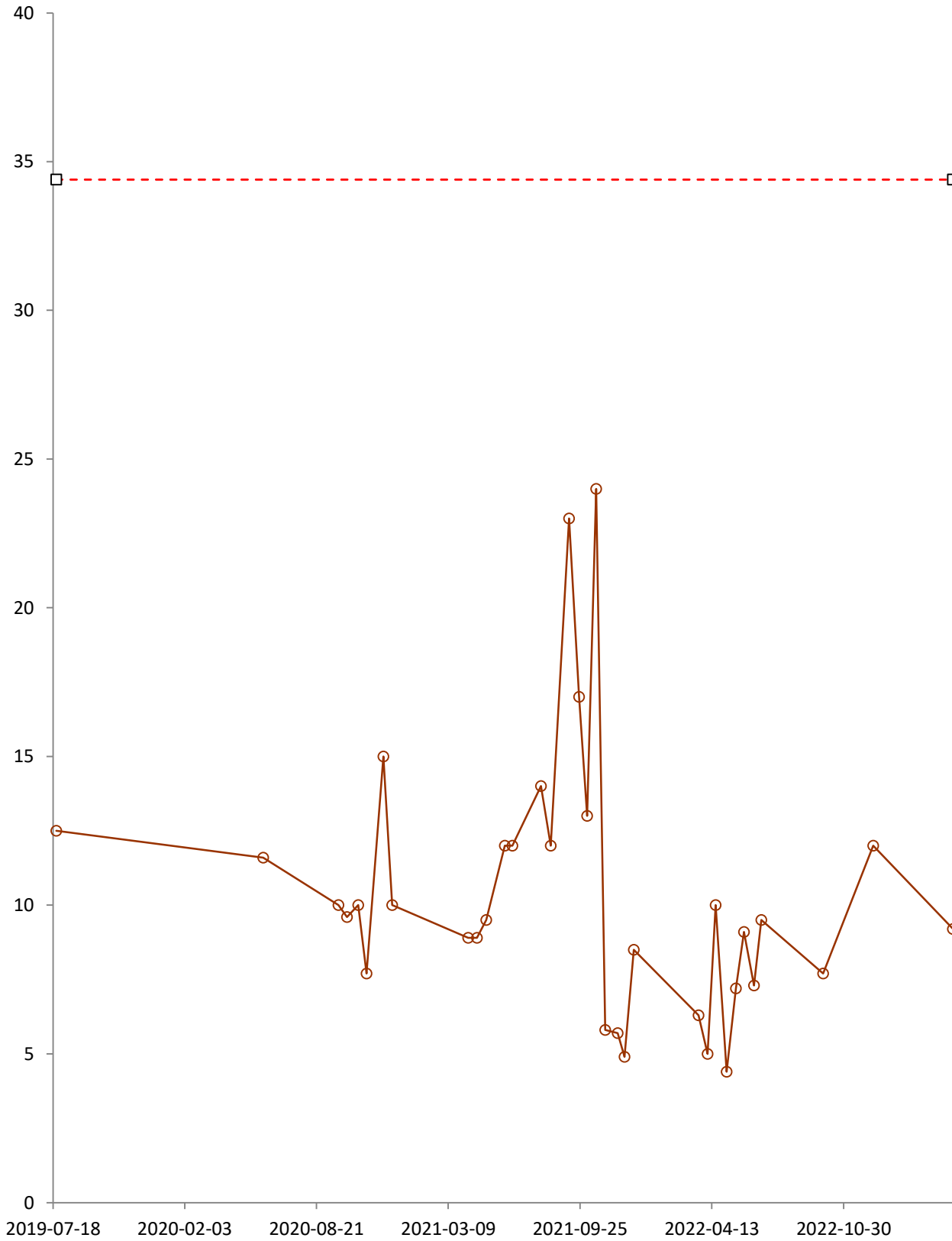




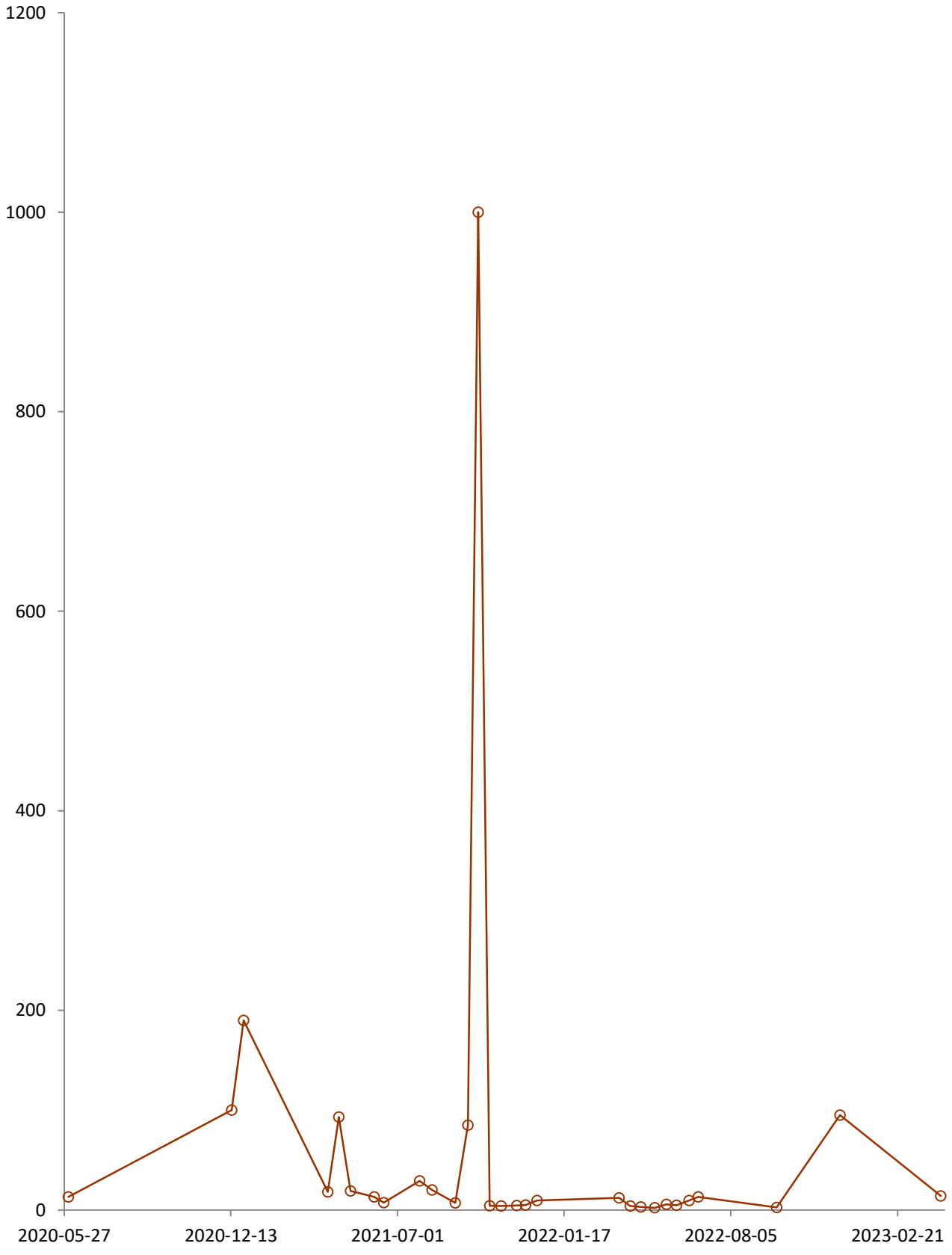
- Total Diss Solids (Lab) (mg/l), SW19-20
- -□- - Total Diss Solids (Lab)_HARRIETSFIELD WS BACKGROUND LEVEL

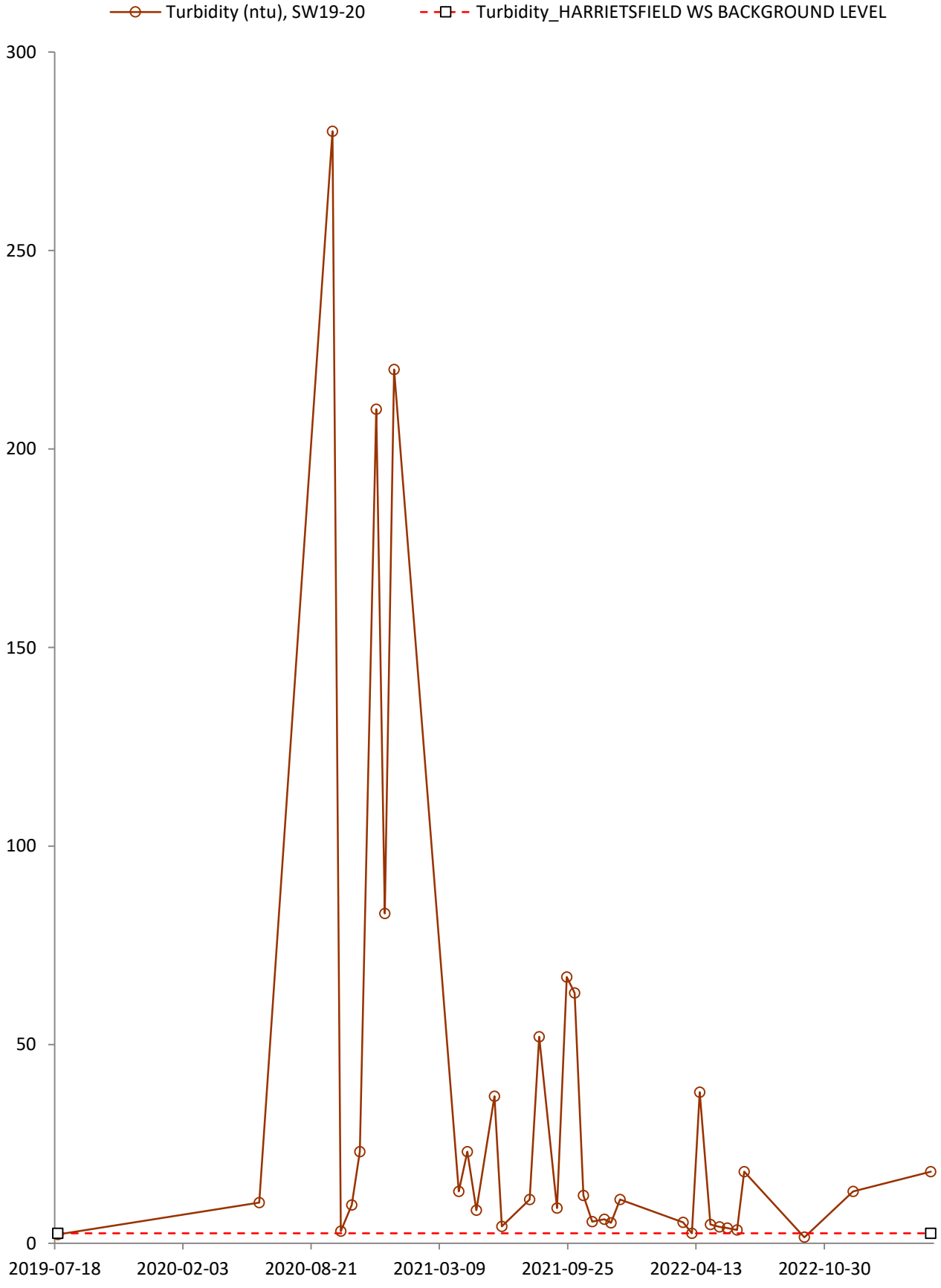


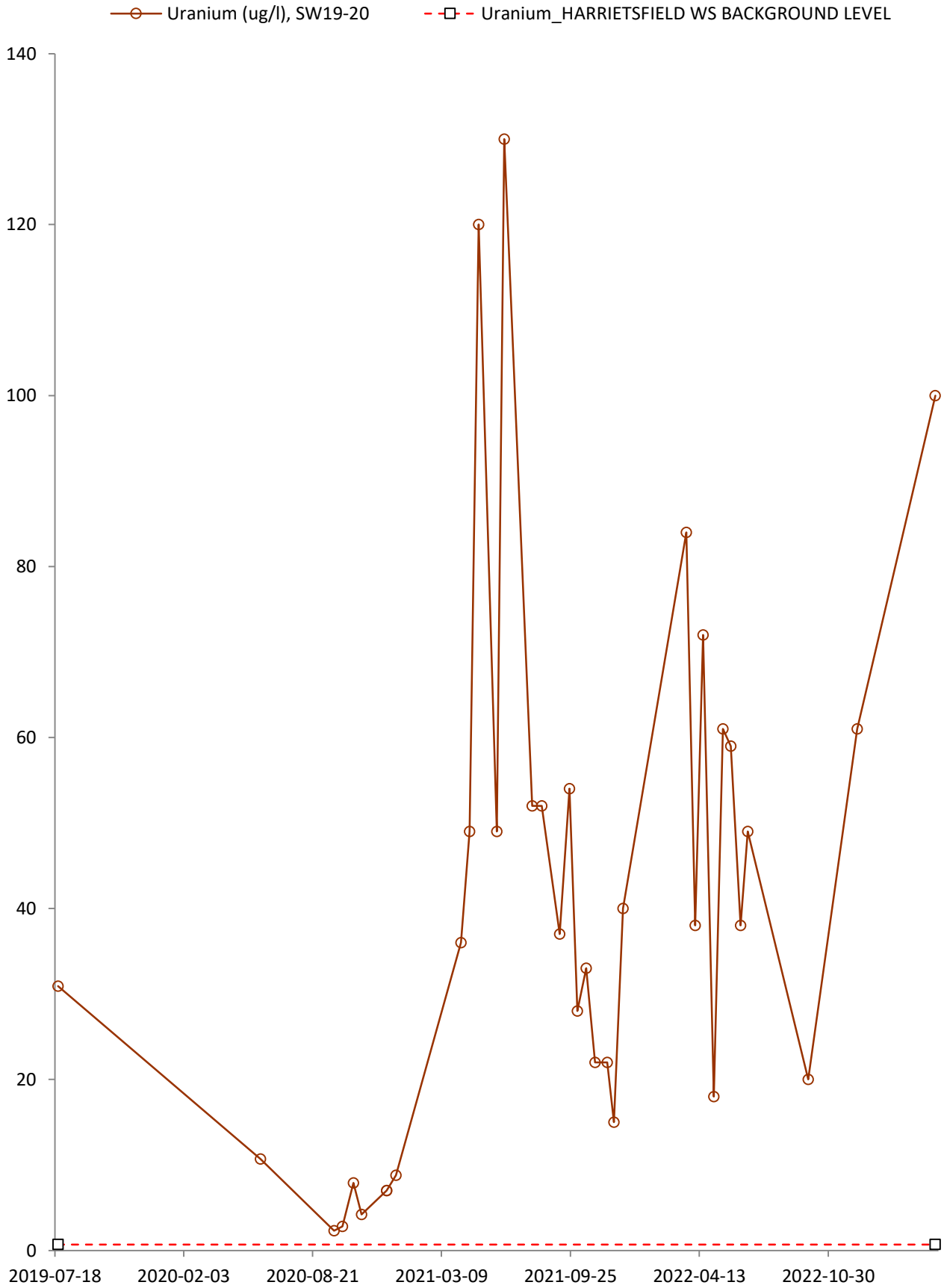
—○— Total Organic Carbon (mg/l), SW19-20
- -□- - Total Organic Carbon_HARRIETSFIELD WS BACKGROUND LEVEL

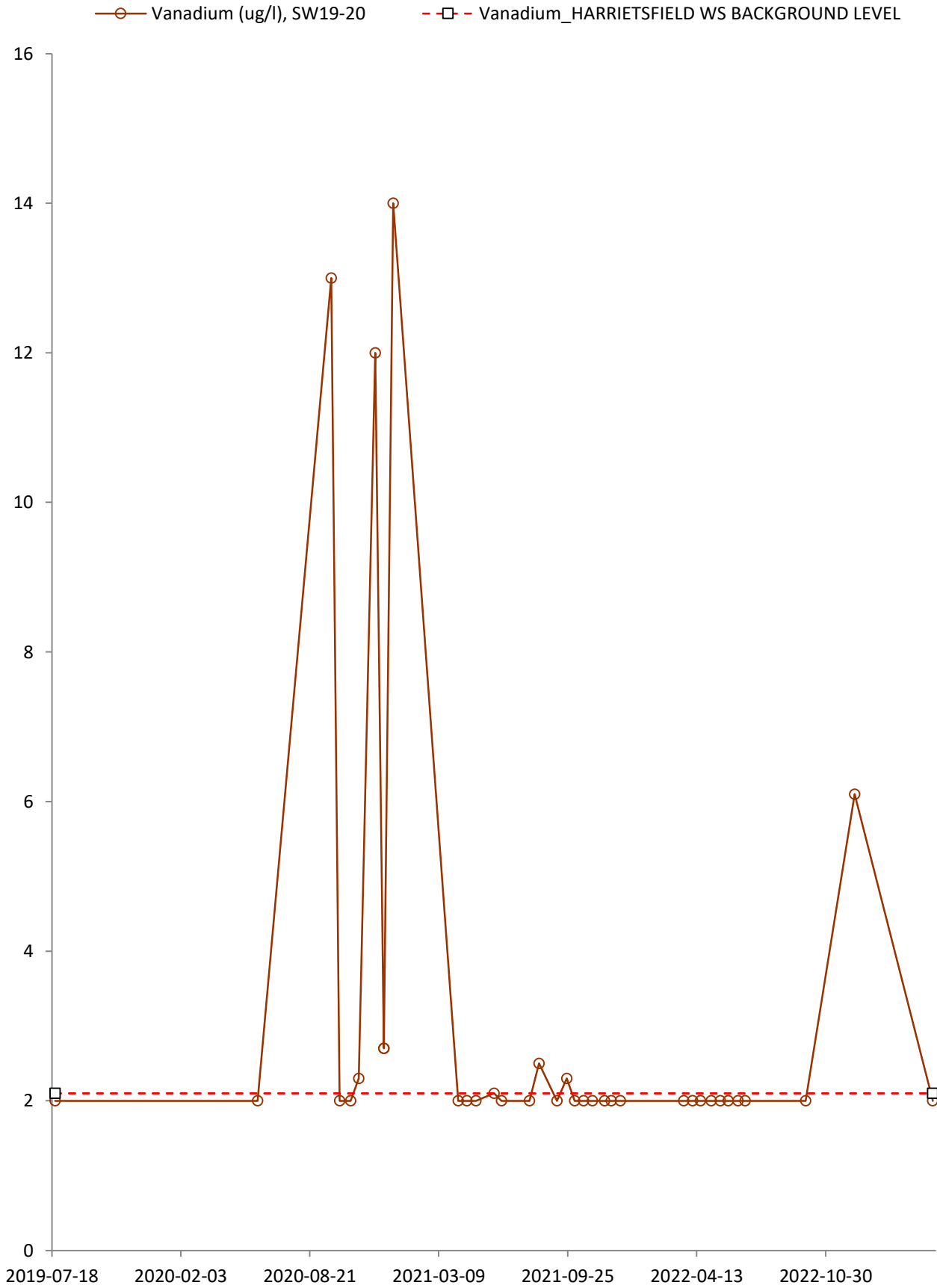


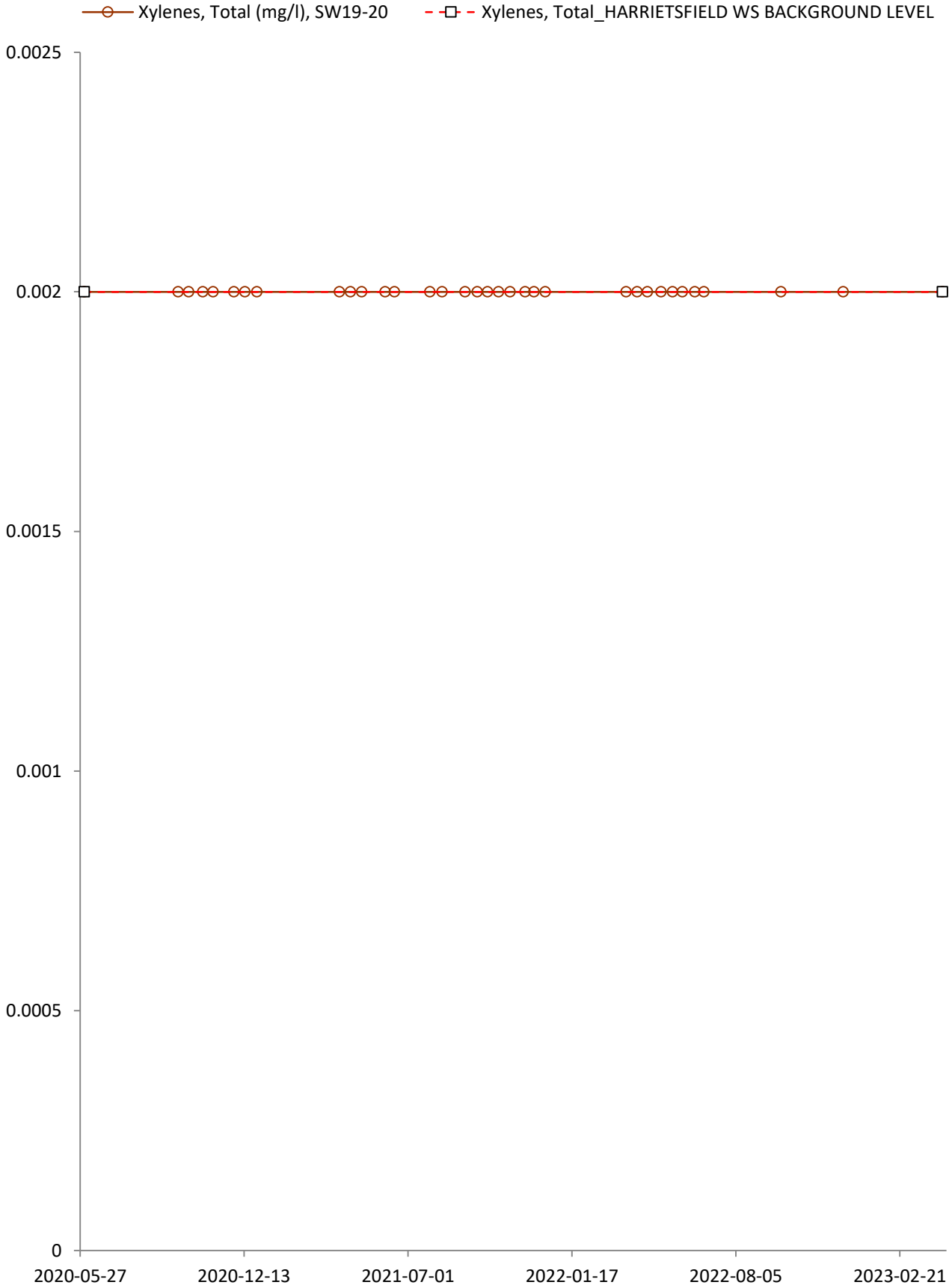
—○ Total Suspended Solids (mg/l), SW19-20

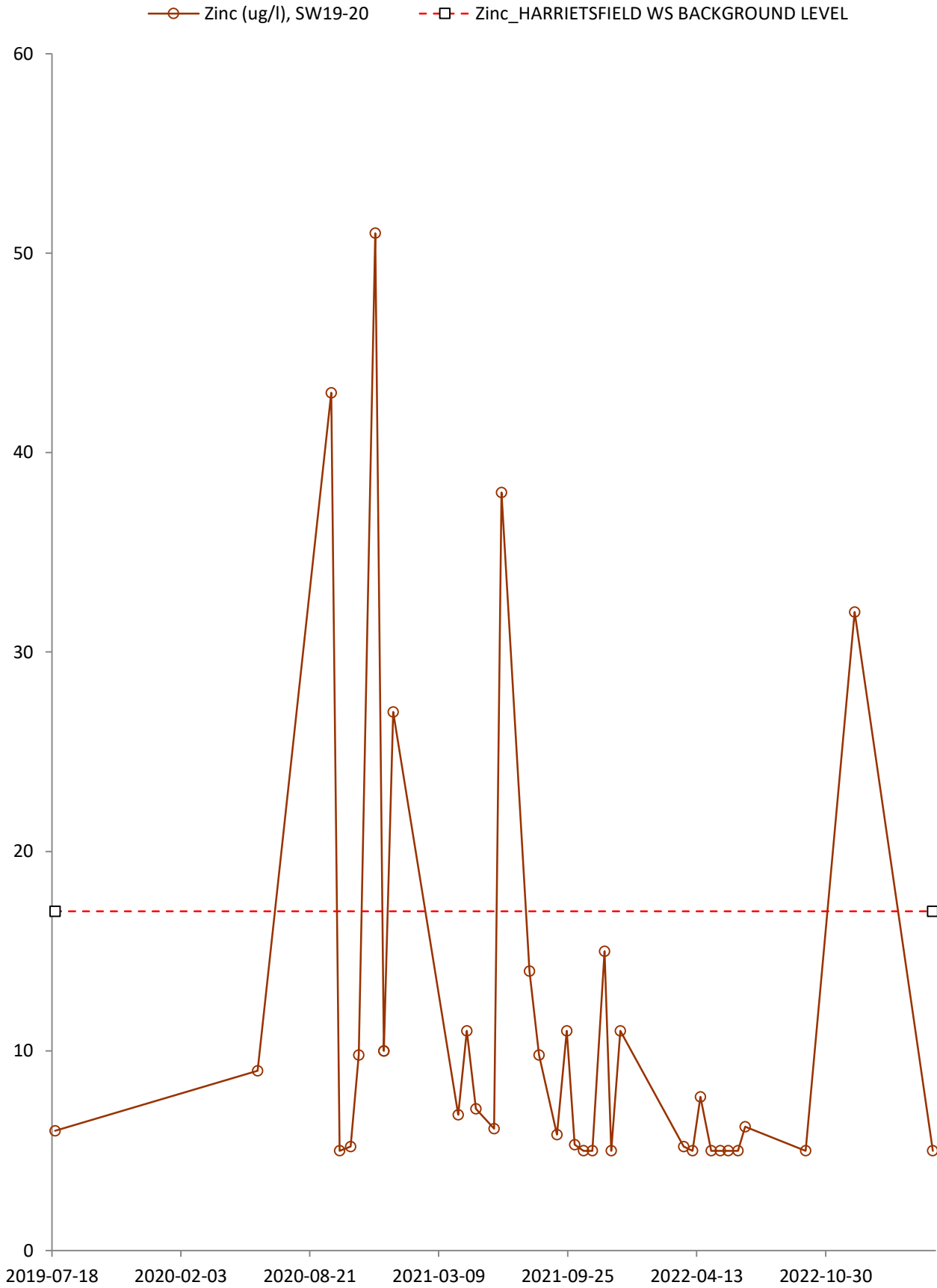




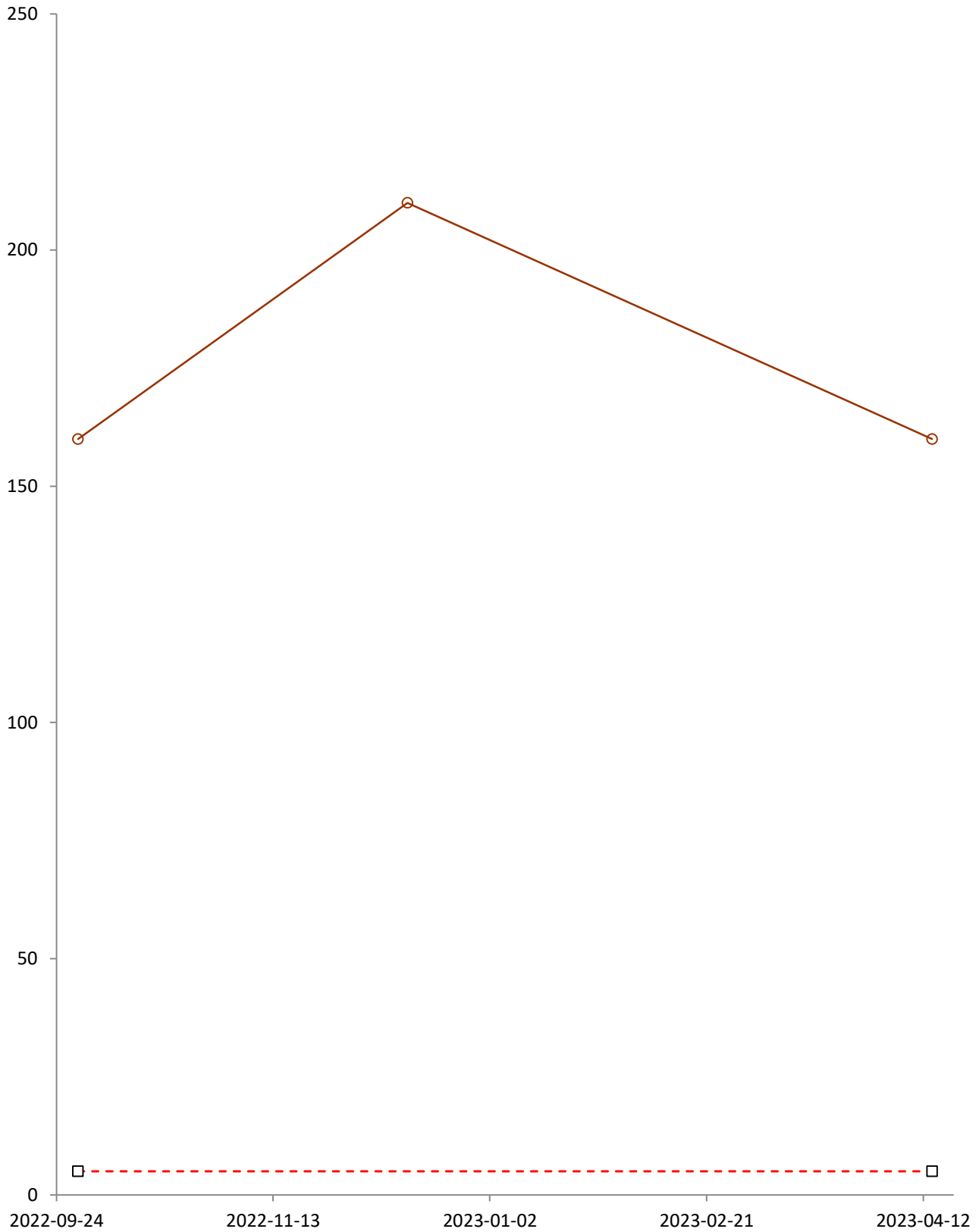


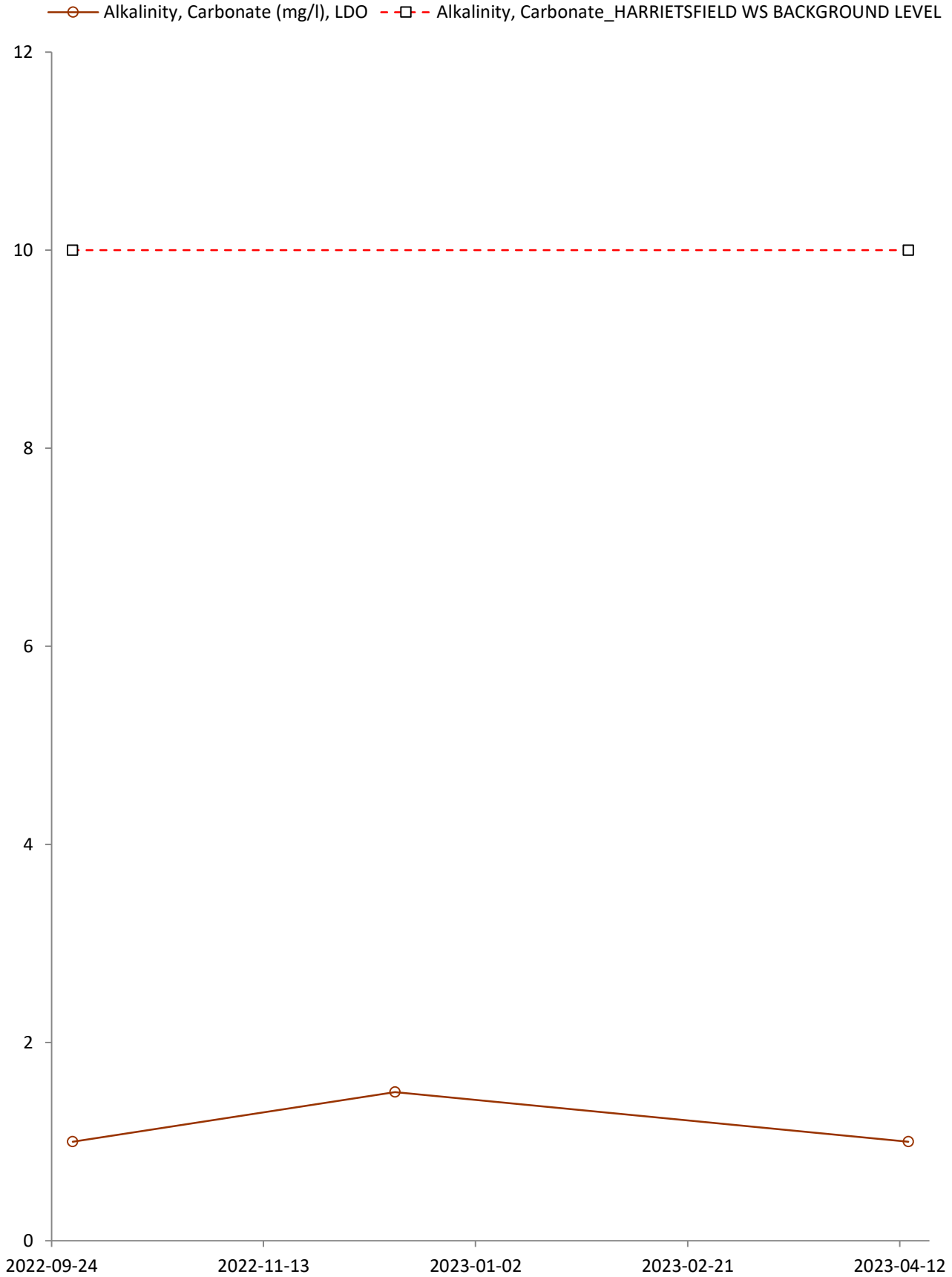


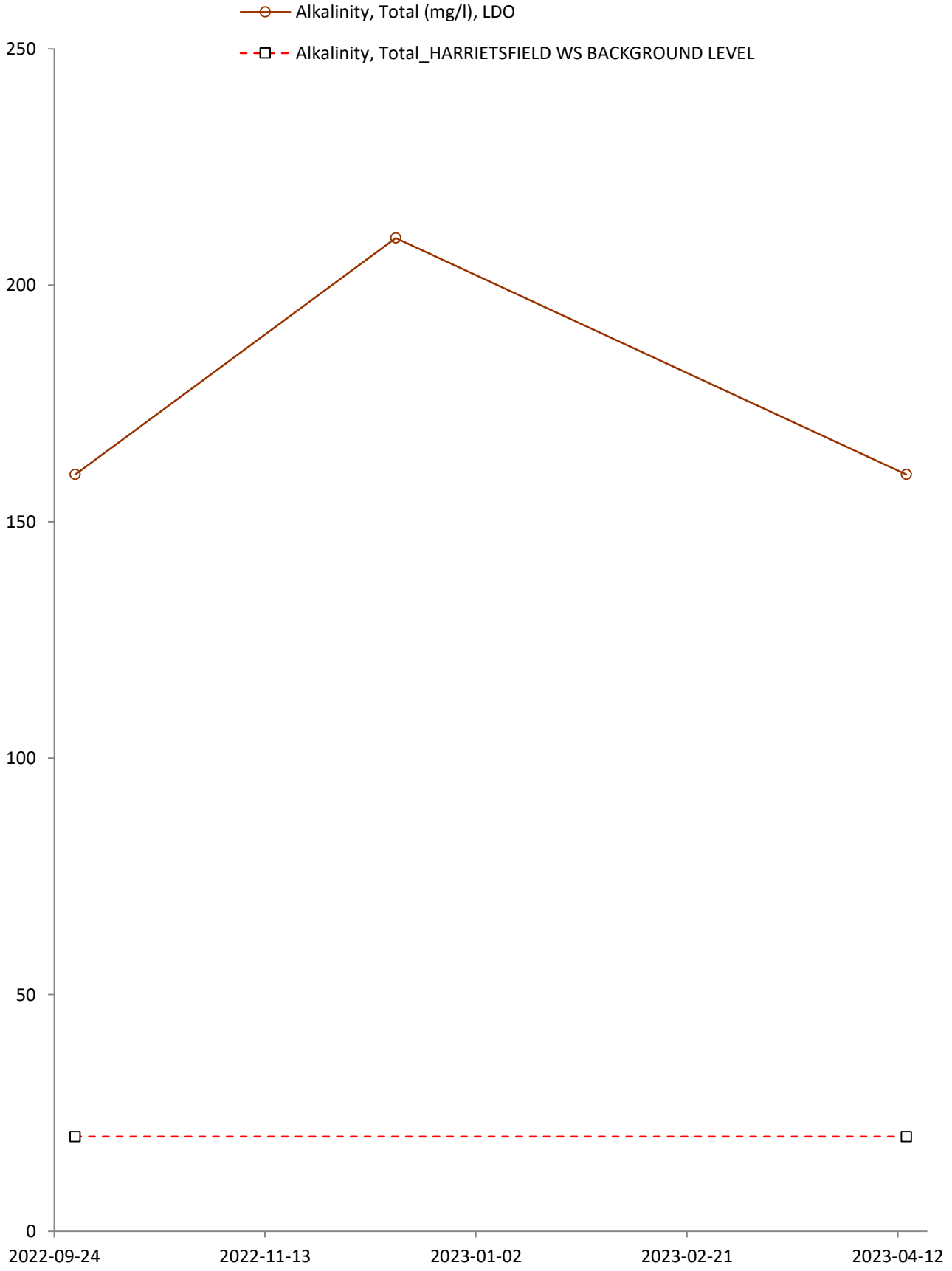


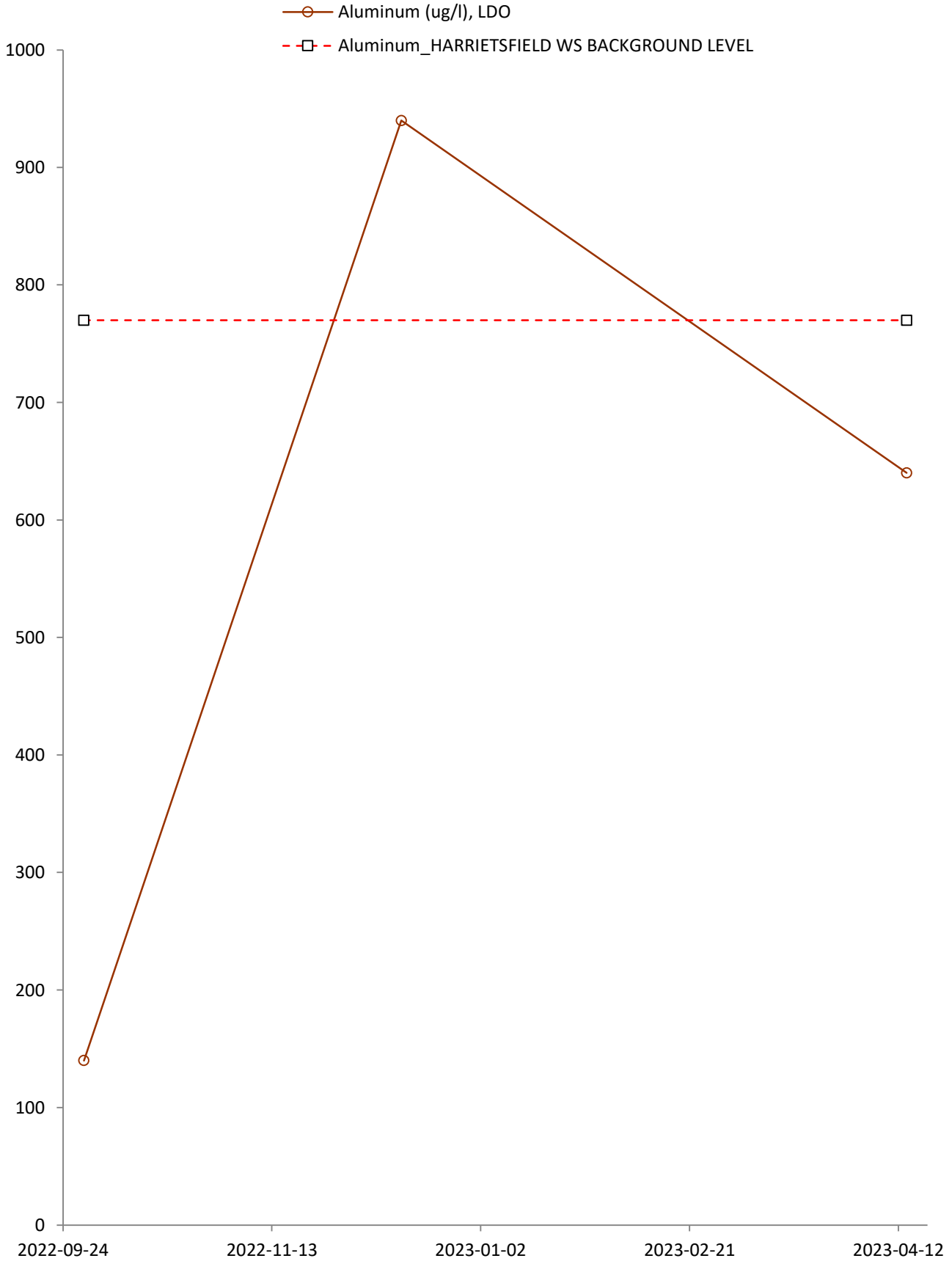


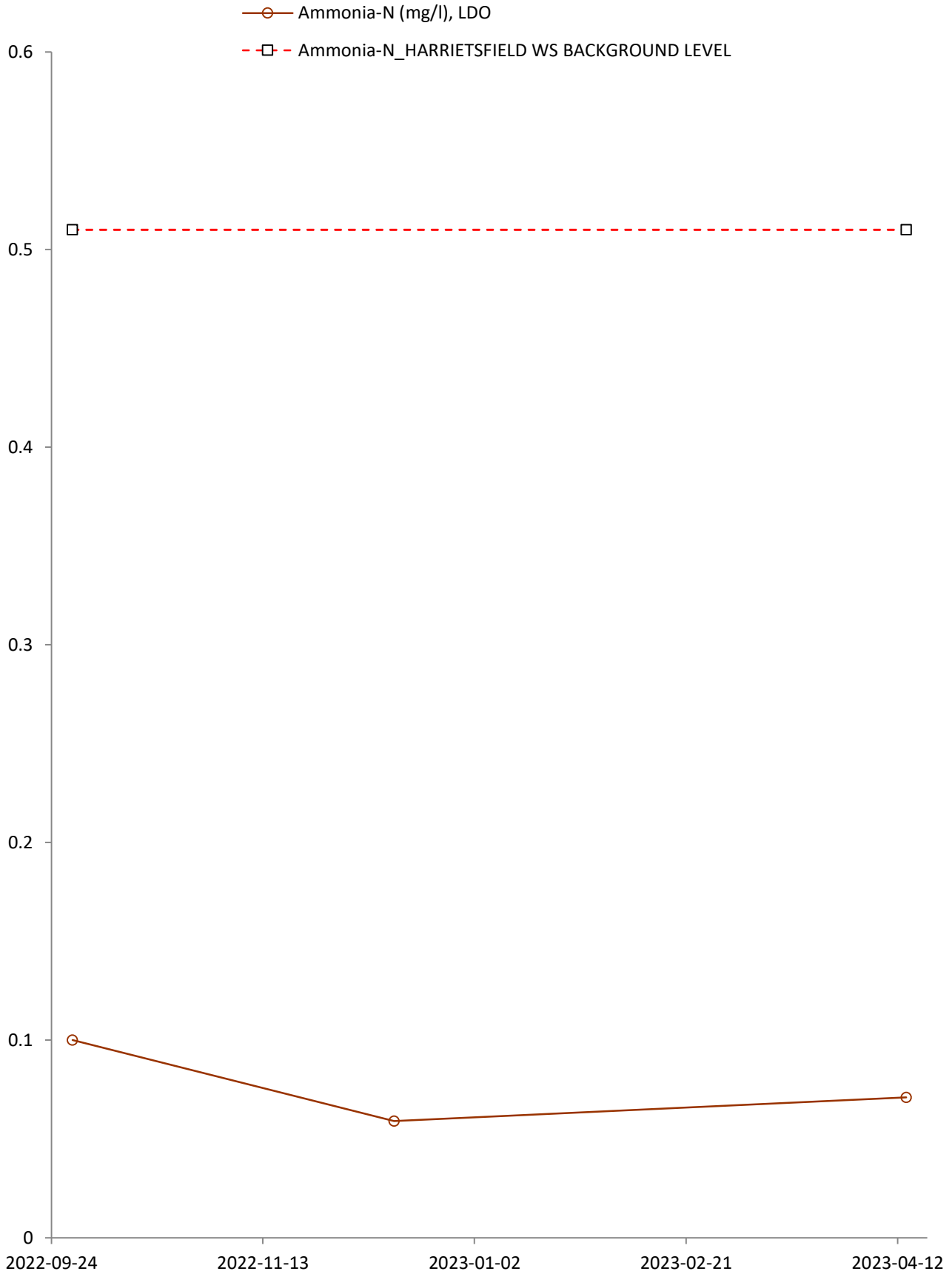
—○— Alkalinity, Bicarbonate (mg/l), LDO
- -□- - Alkalinity, Bicarbonate_HARRIETSFIELD WS BACKGROUND LEVEL

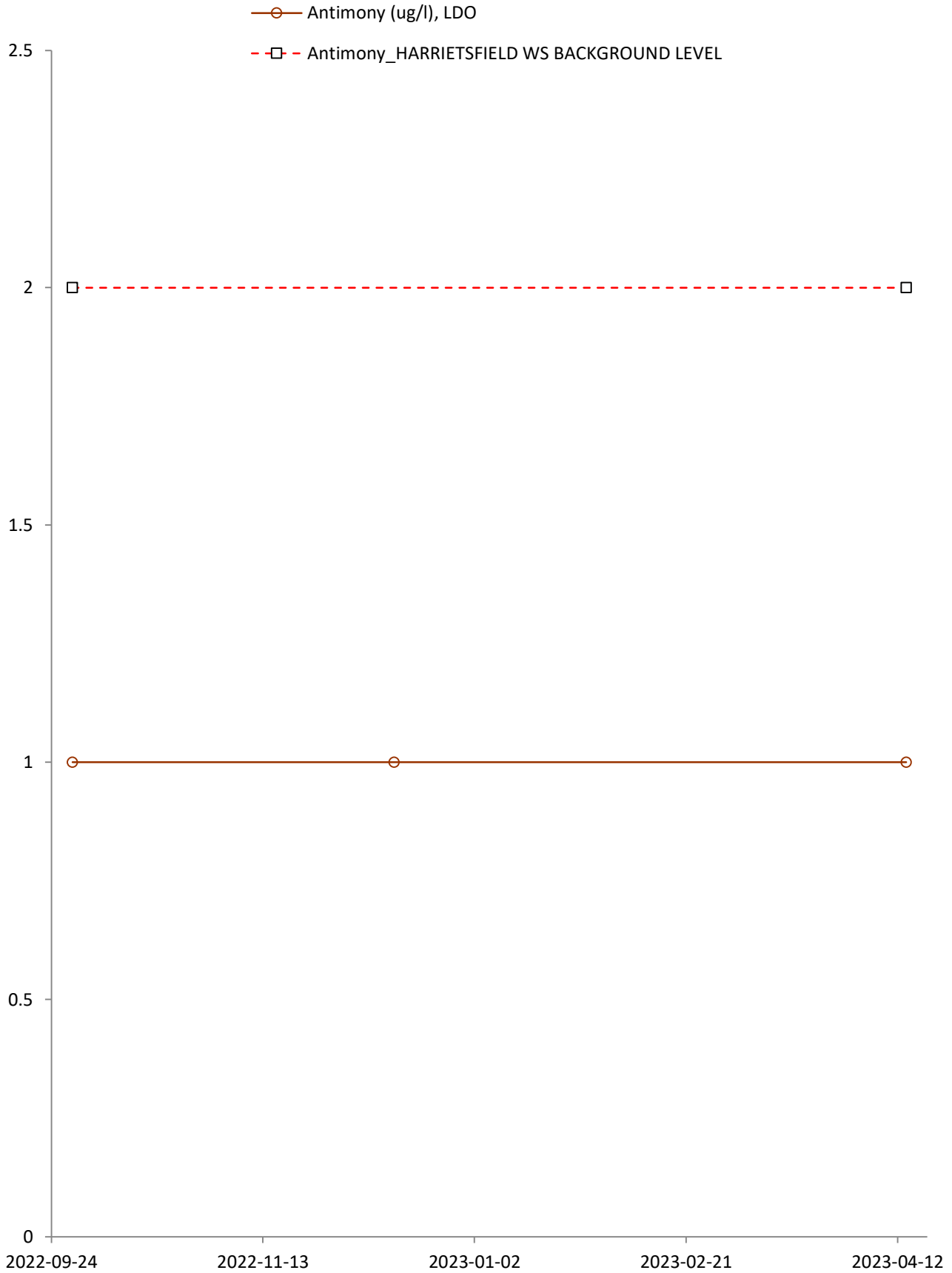


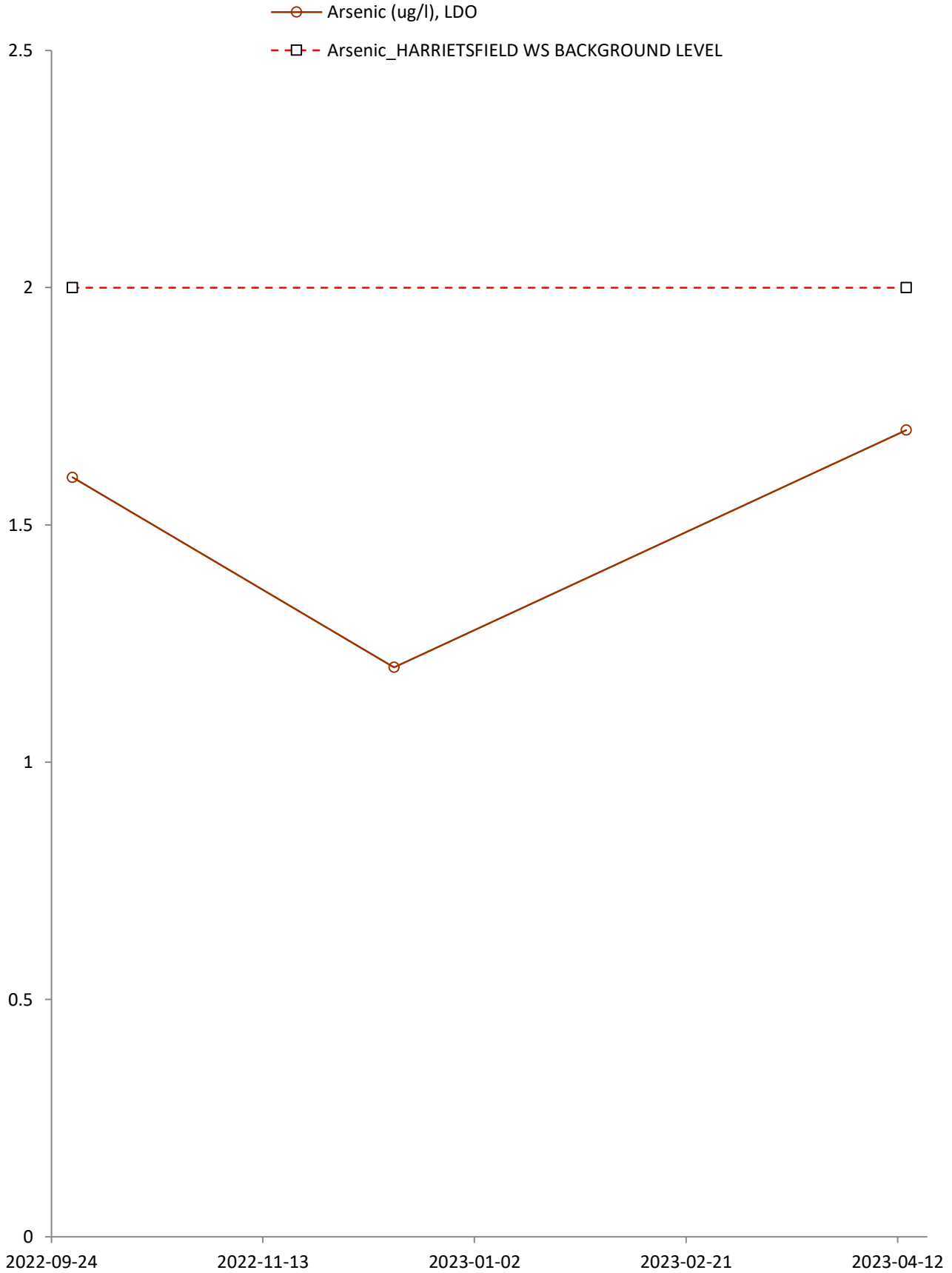


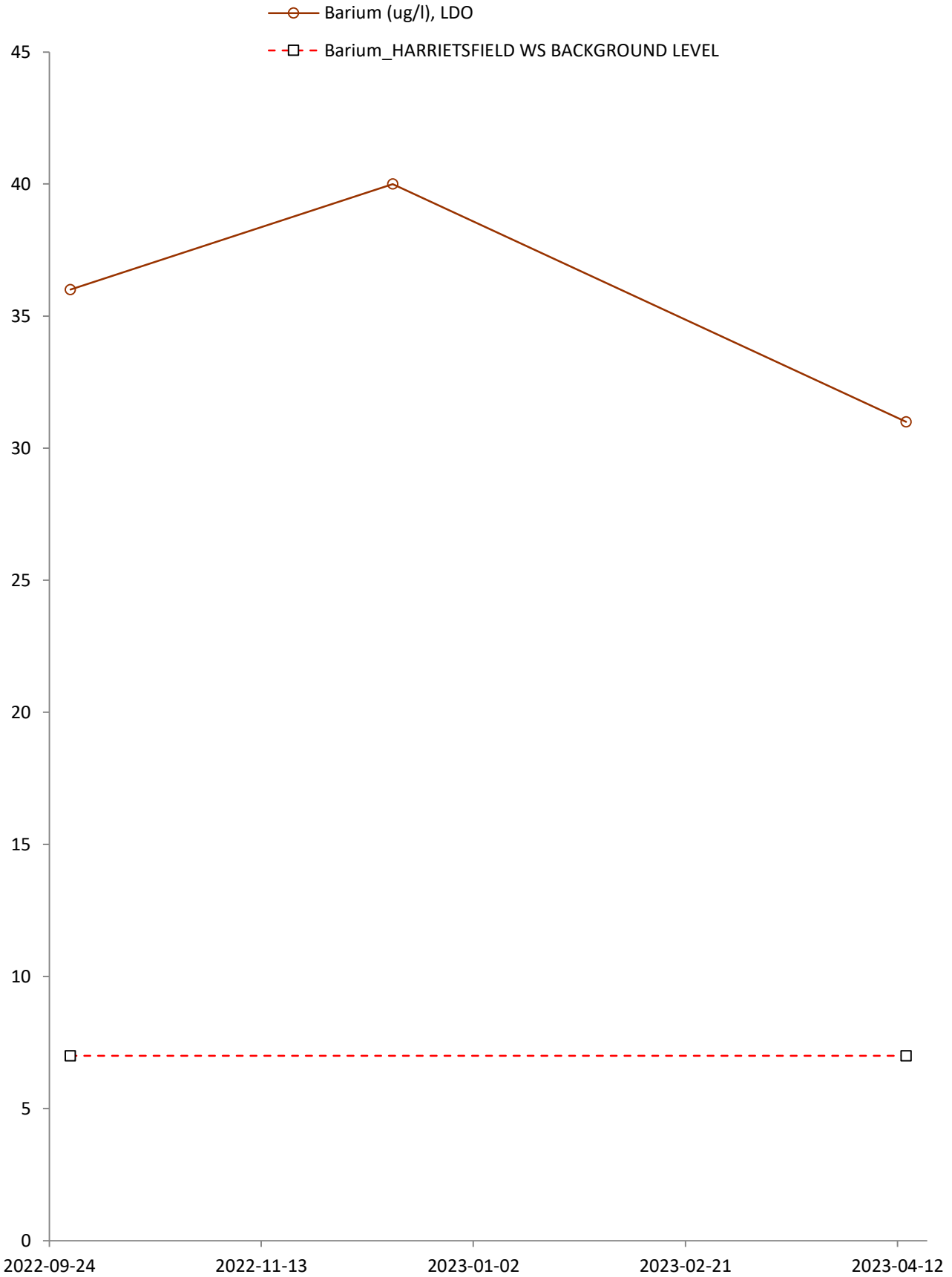


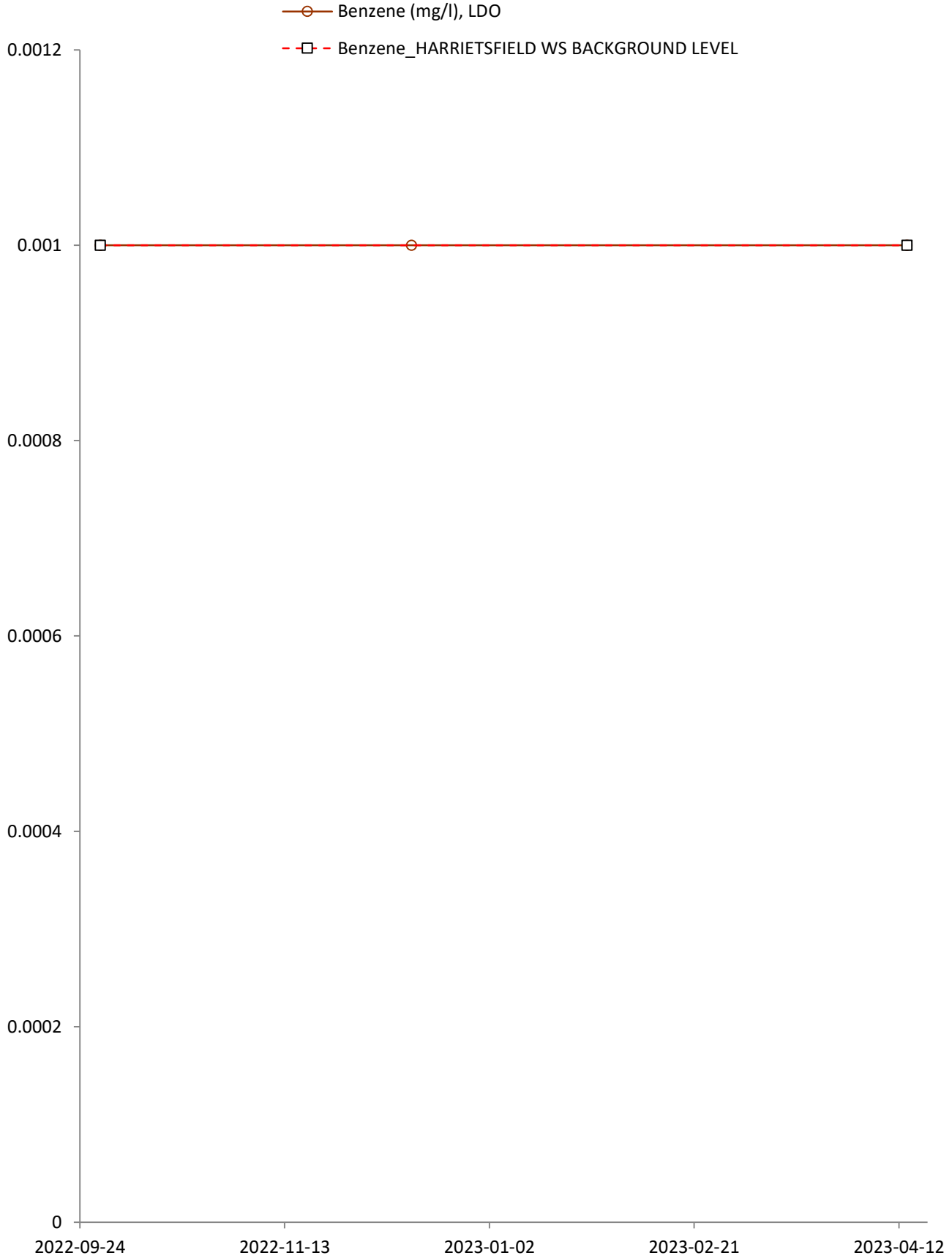




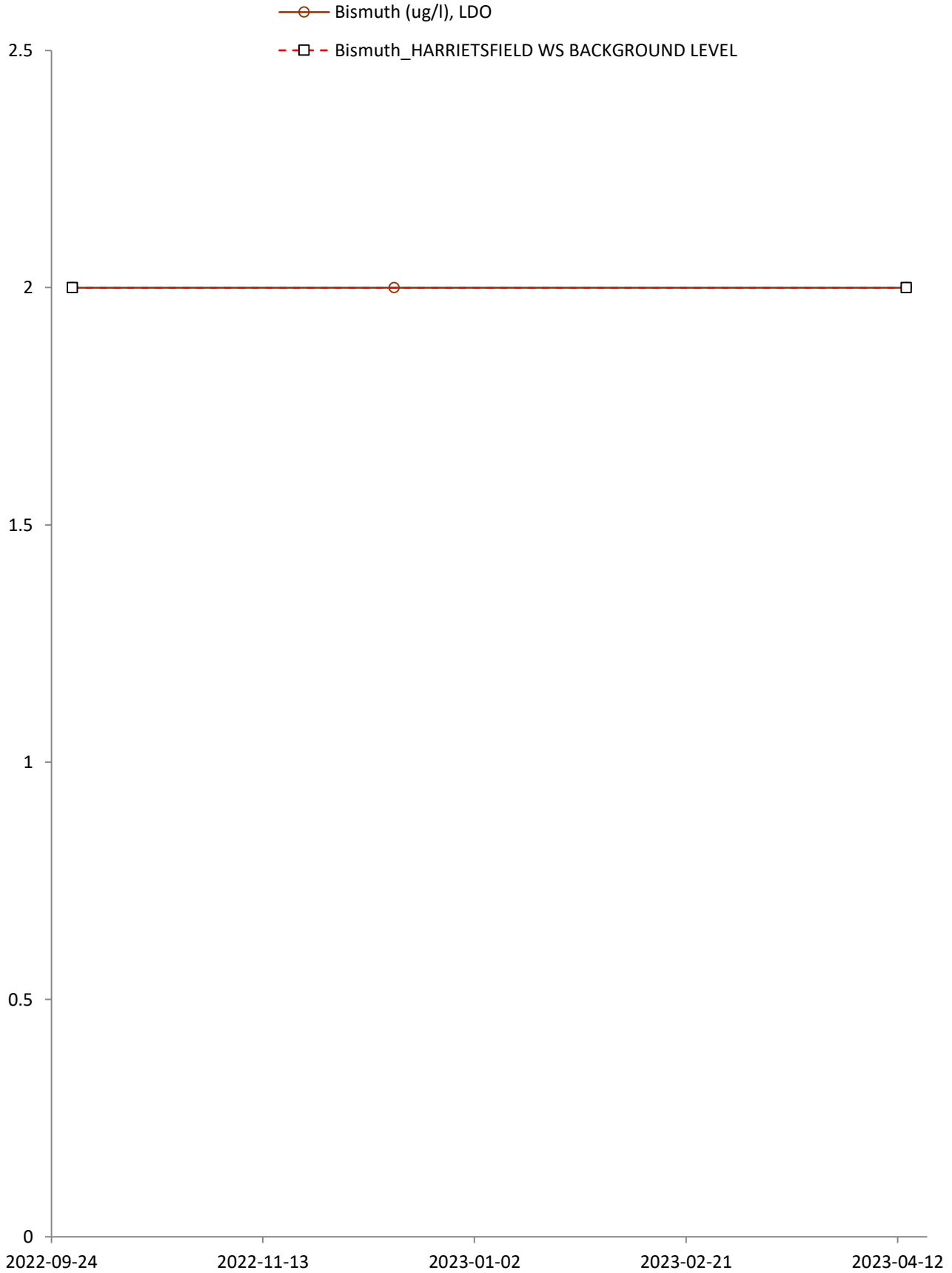


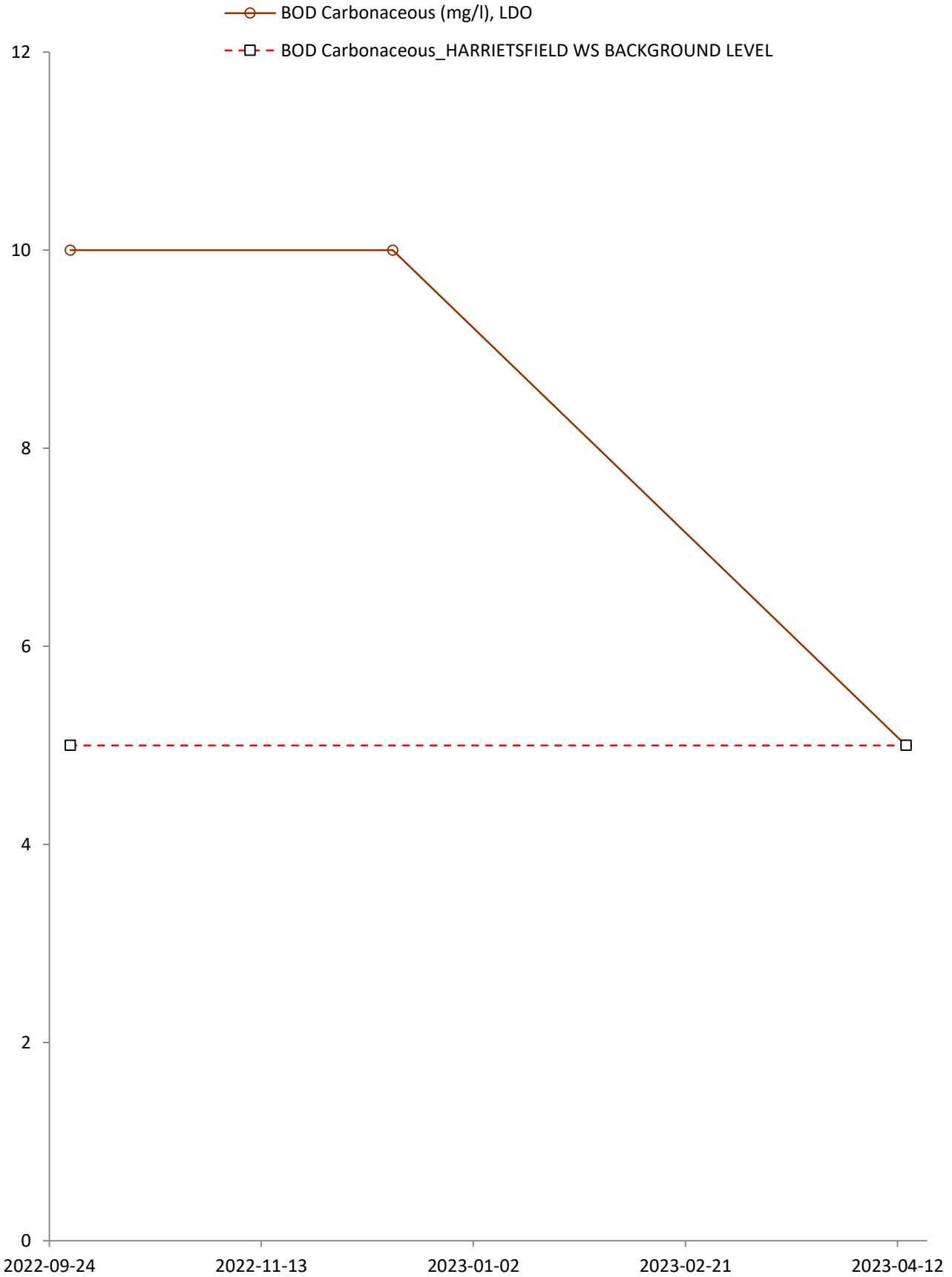


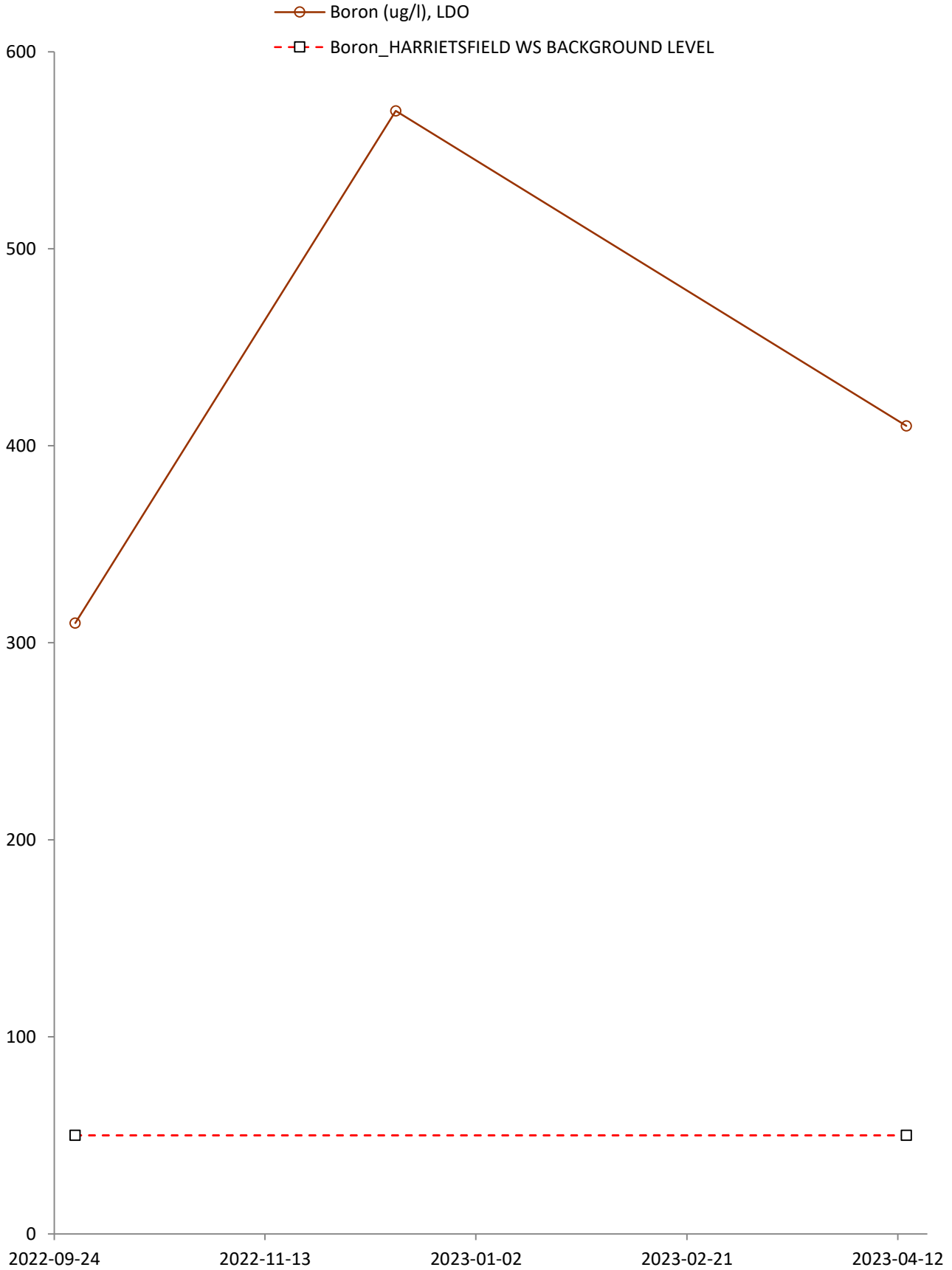


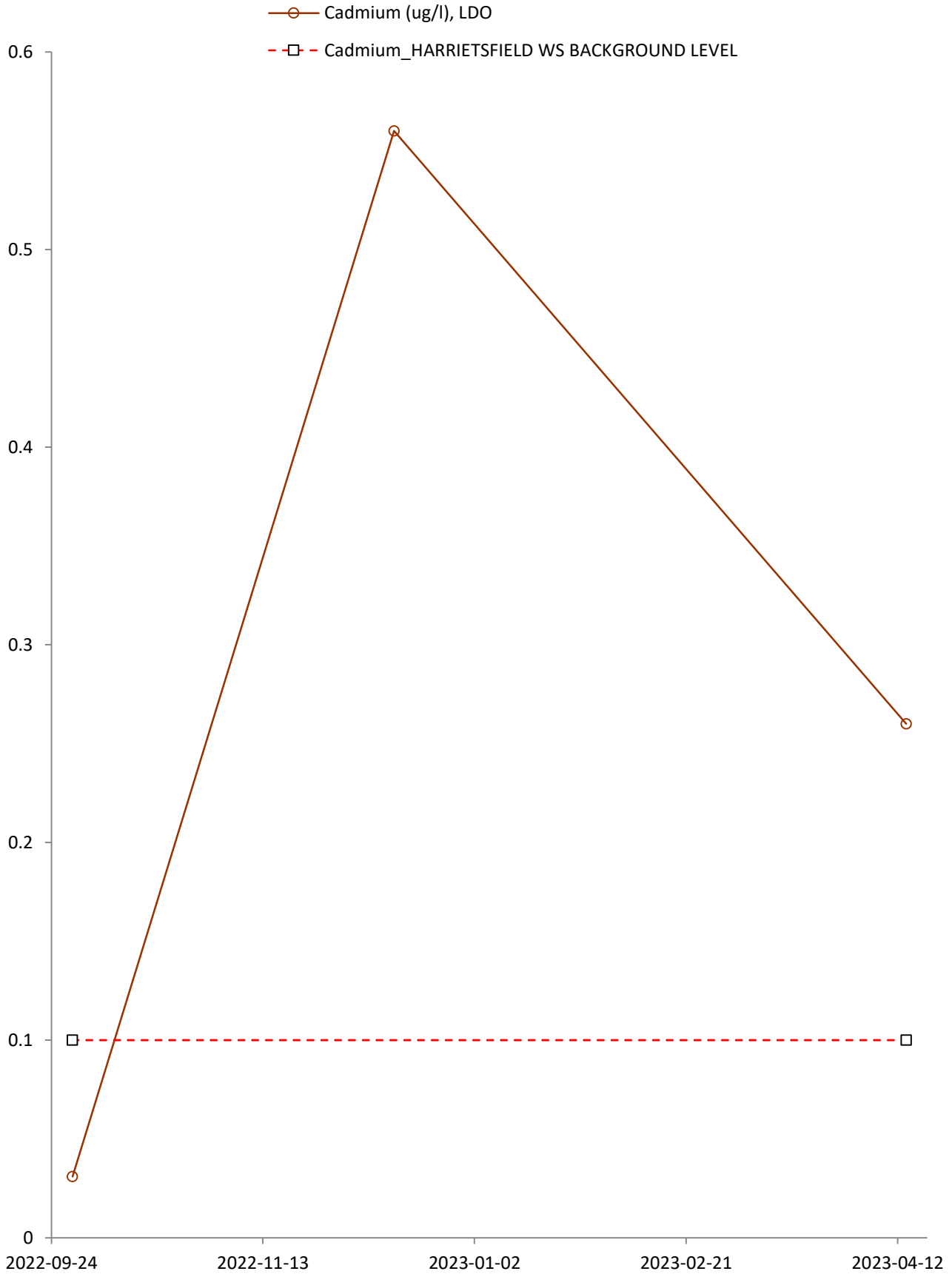


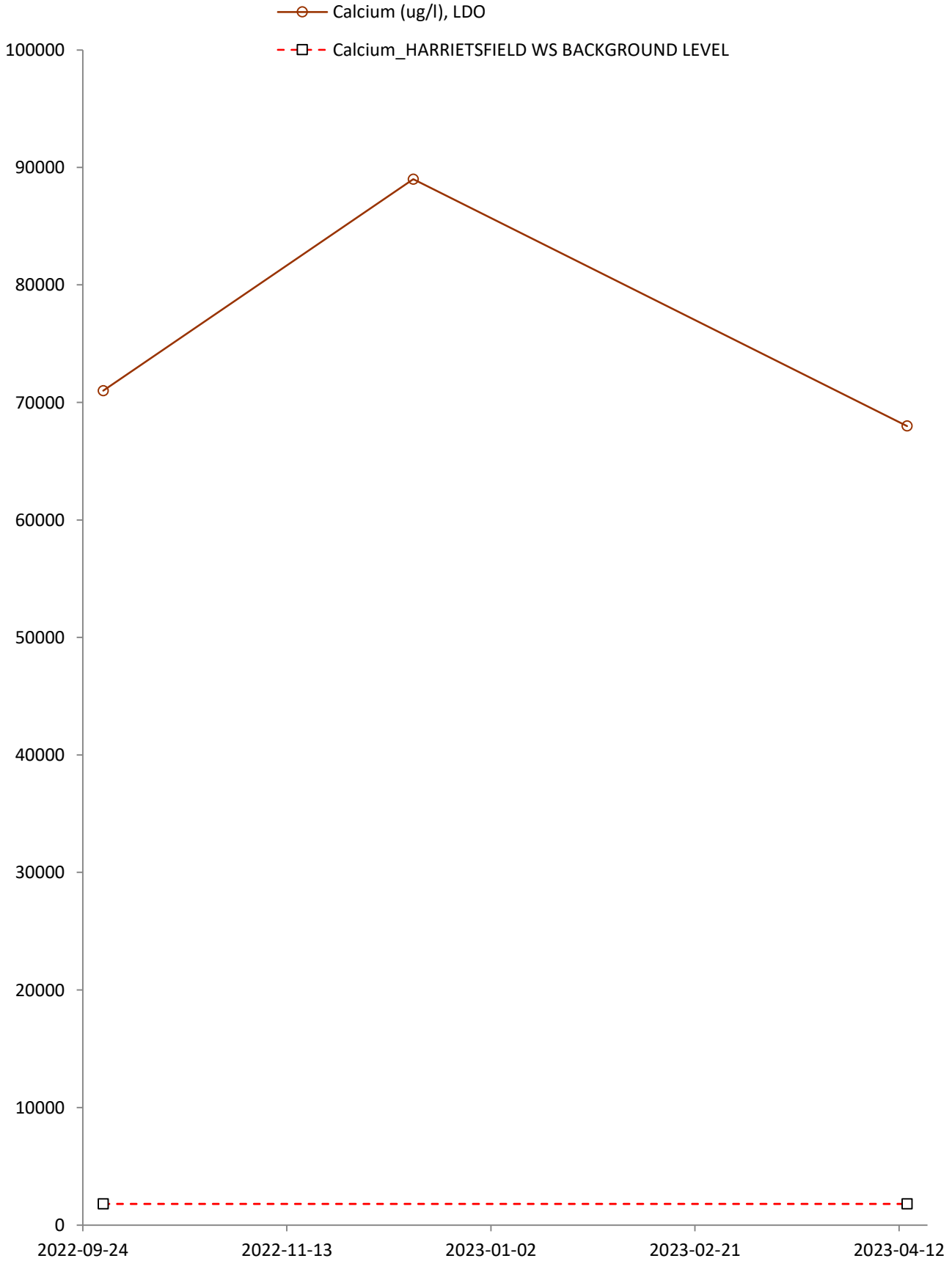


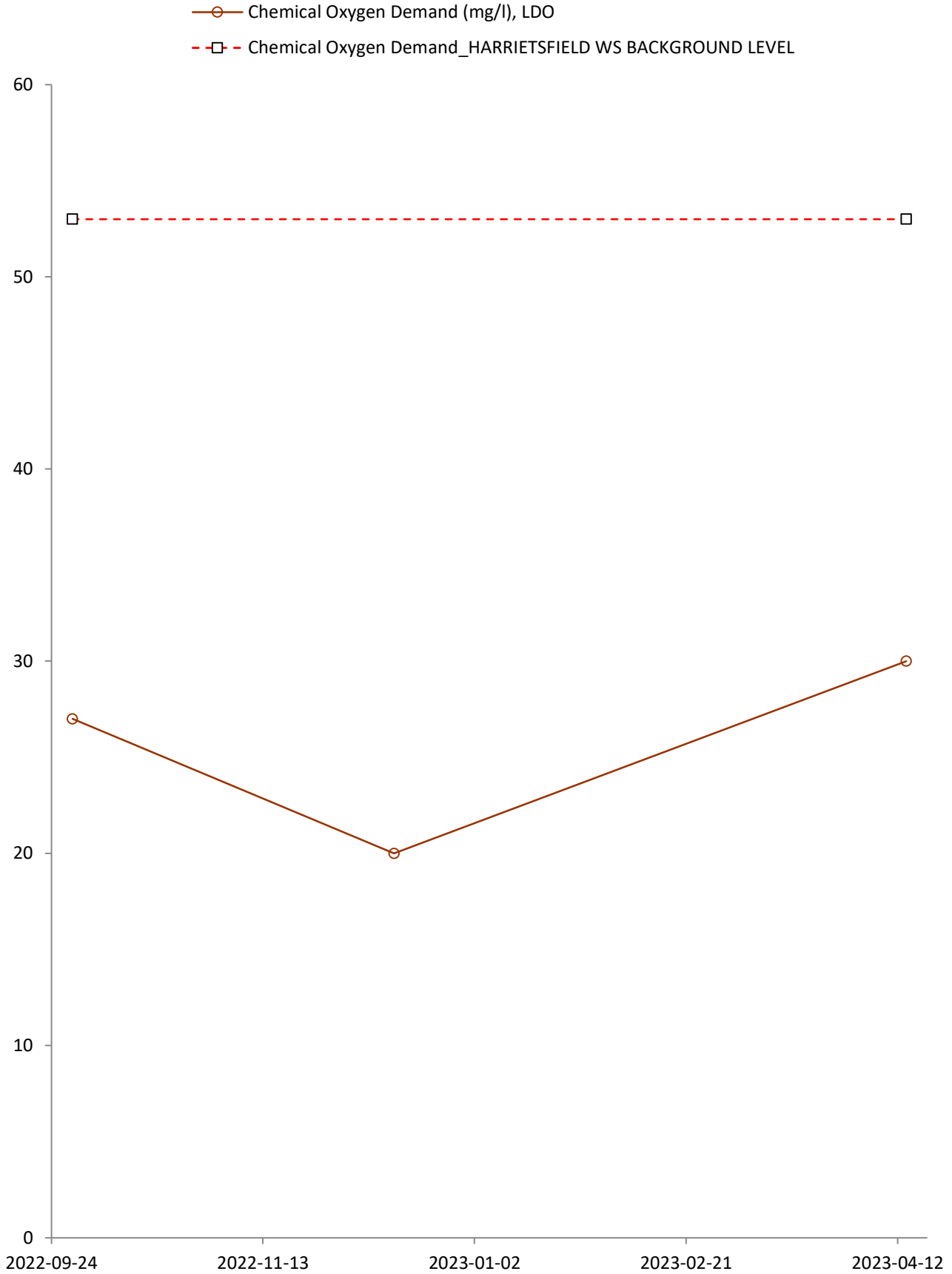


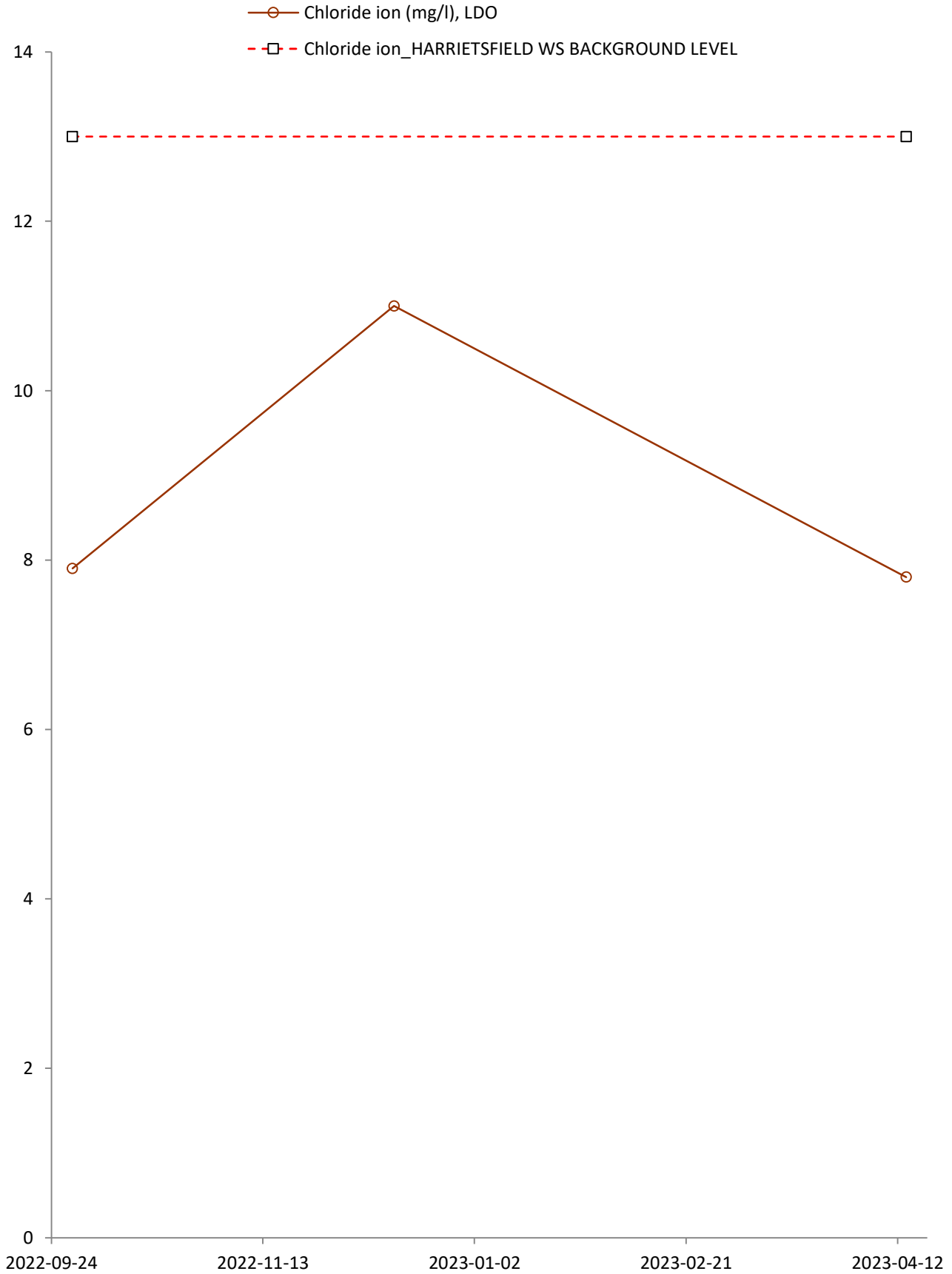


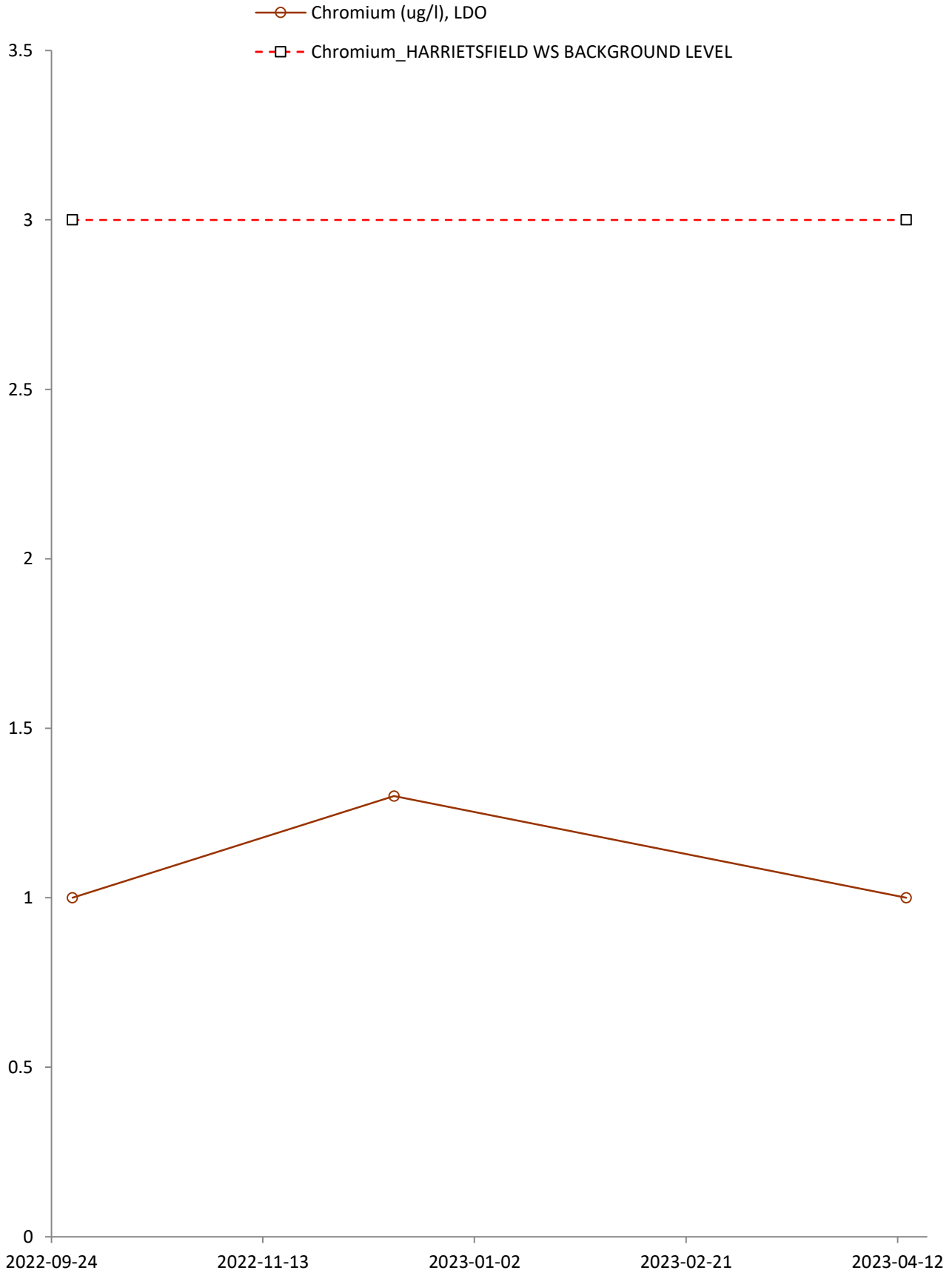


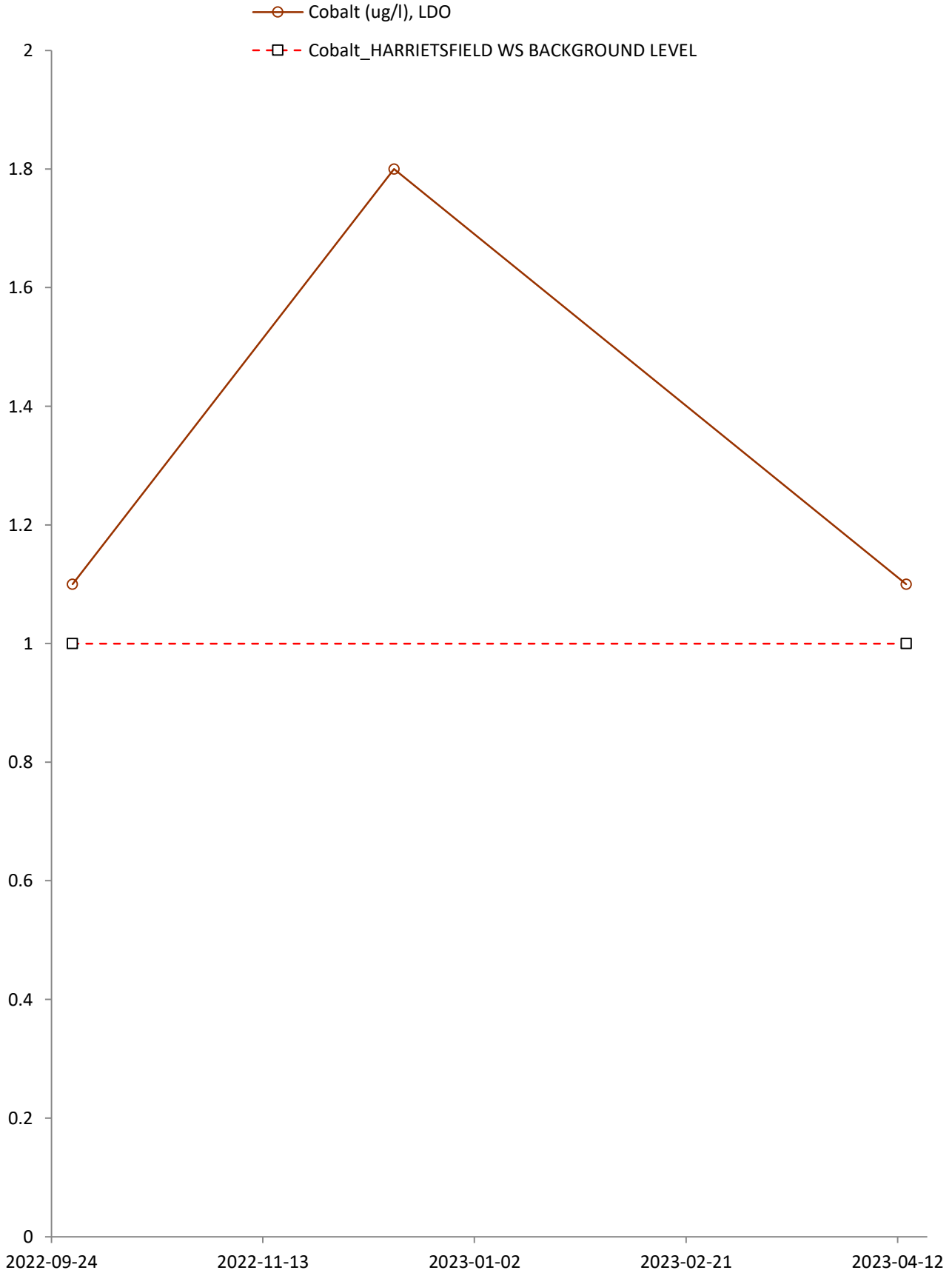


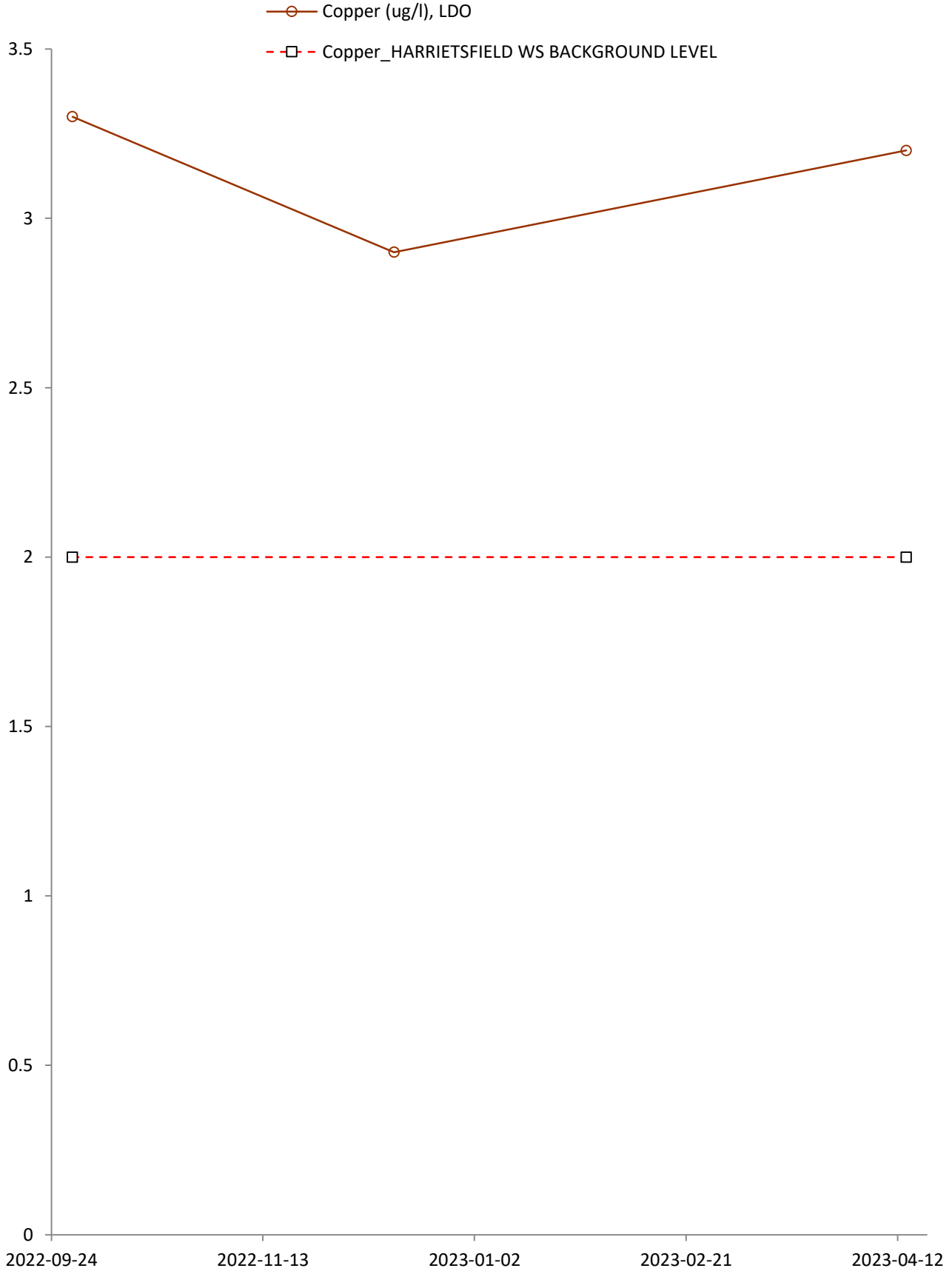




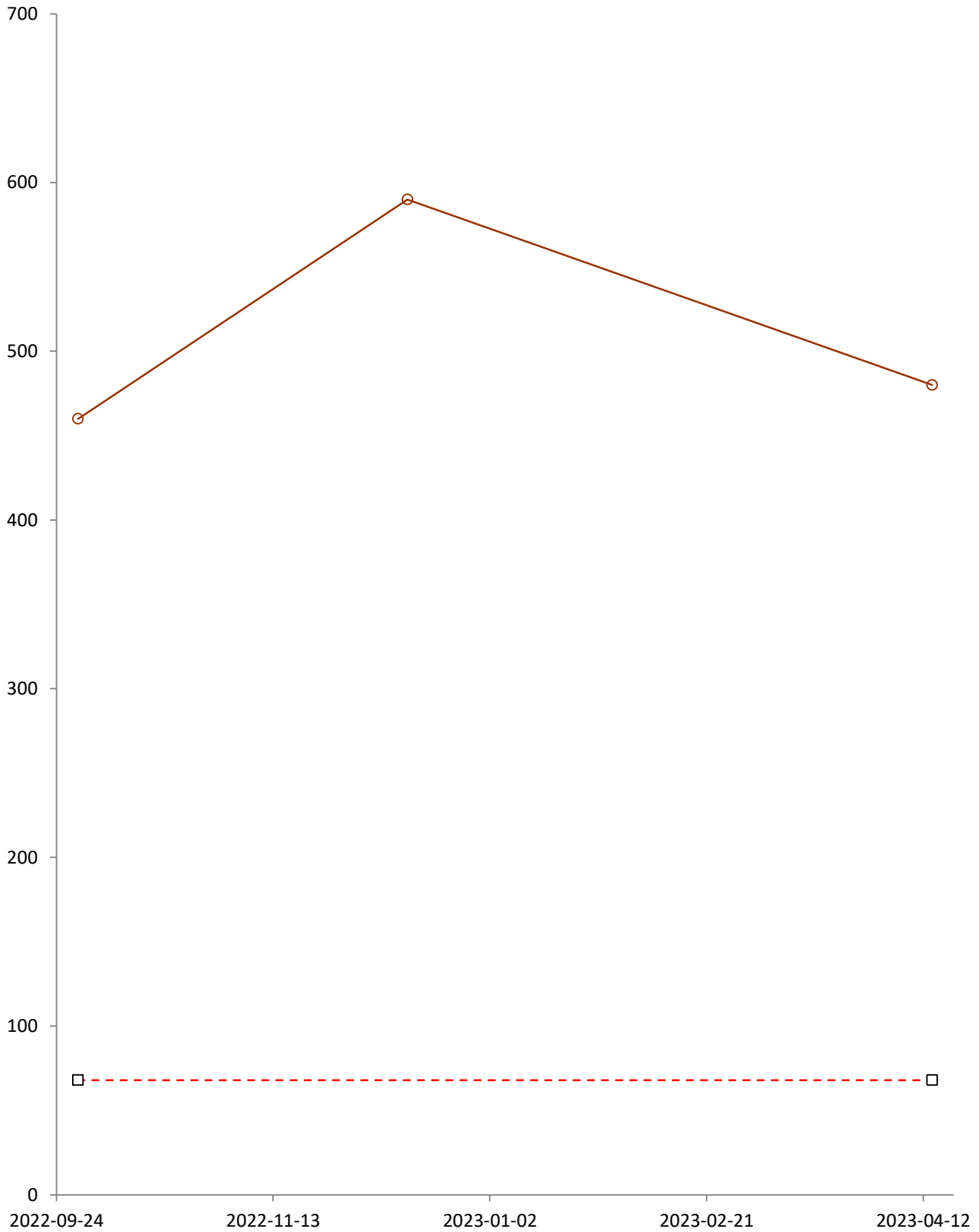


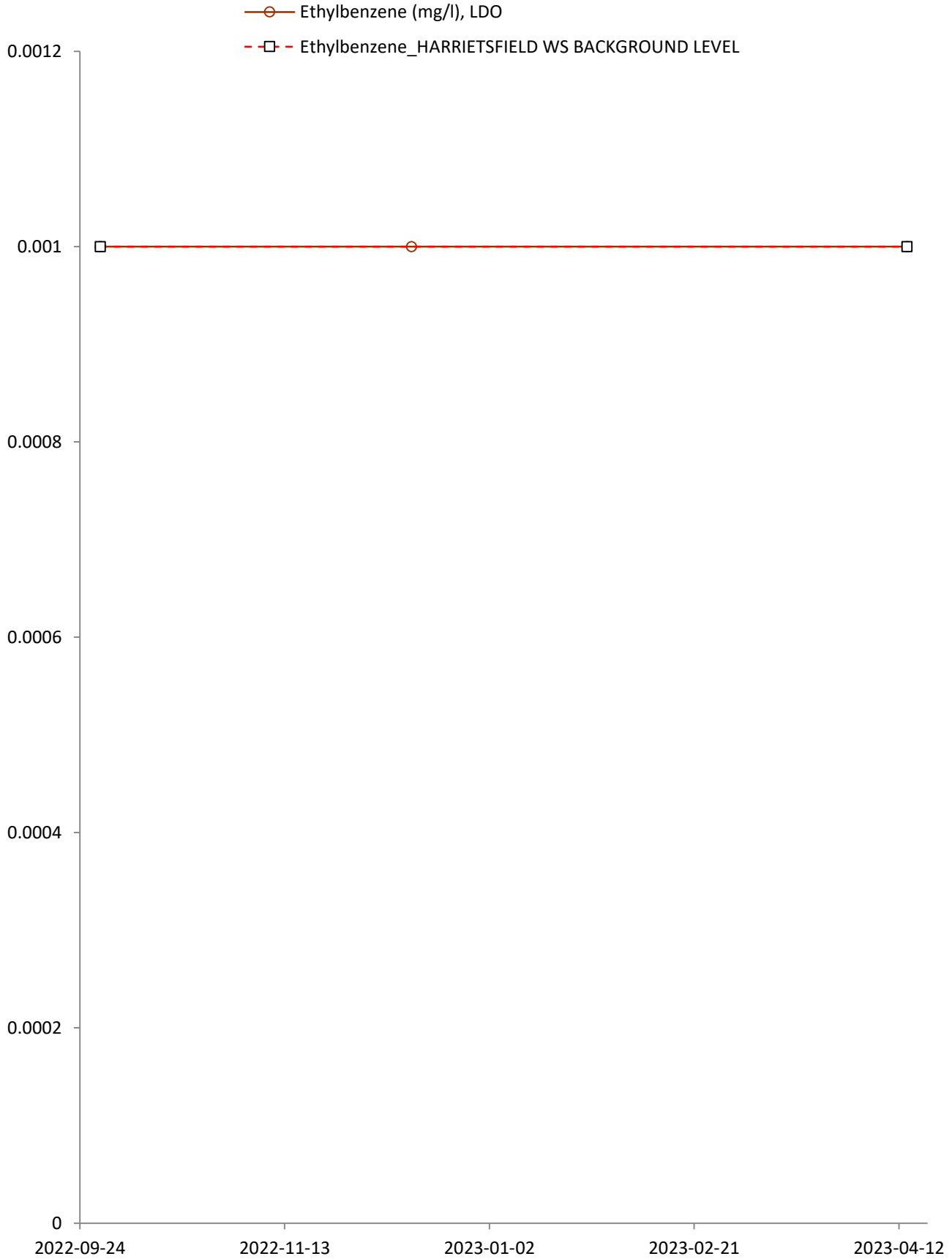


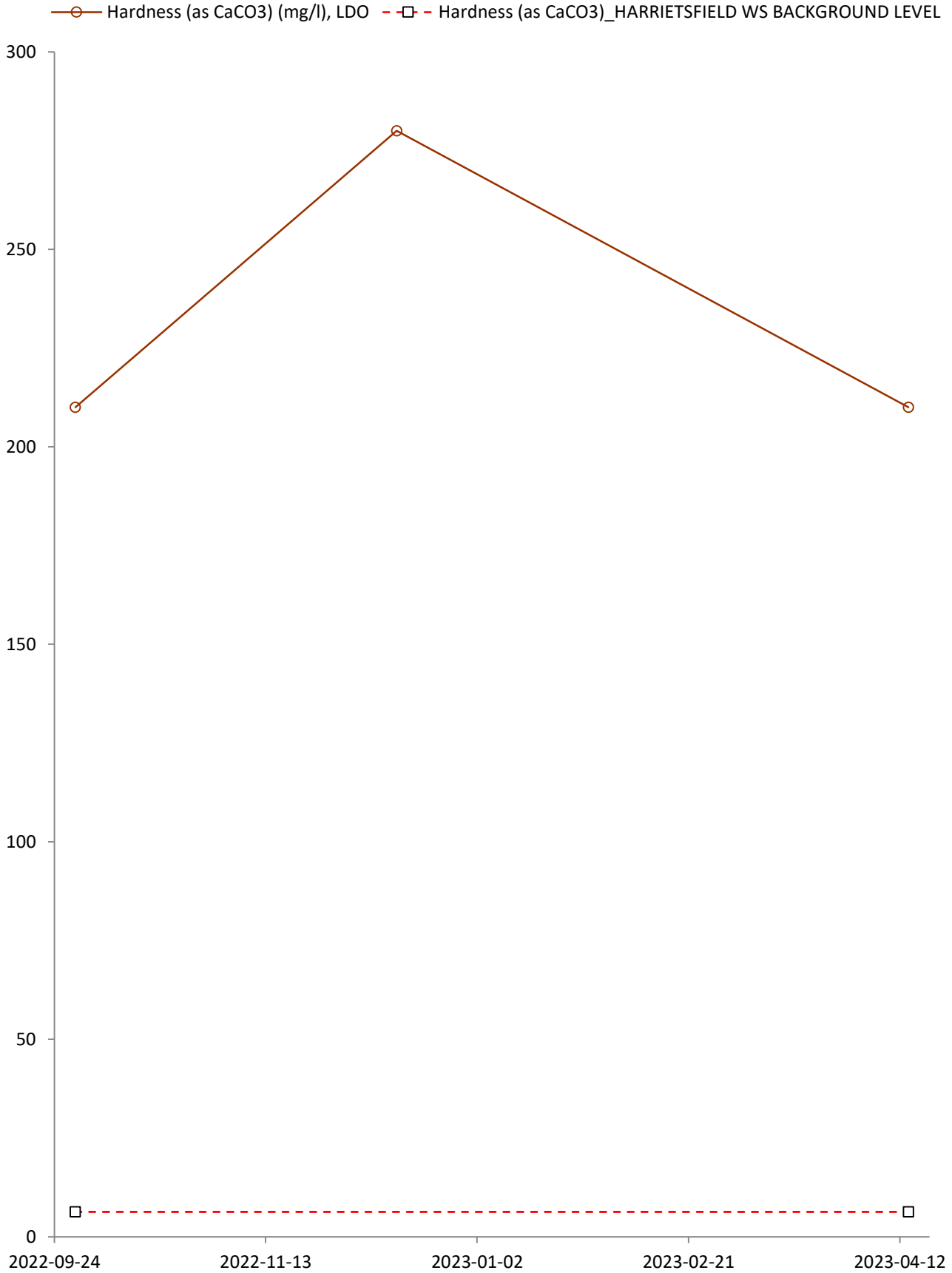


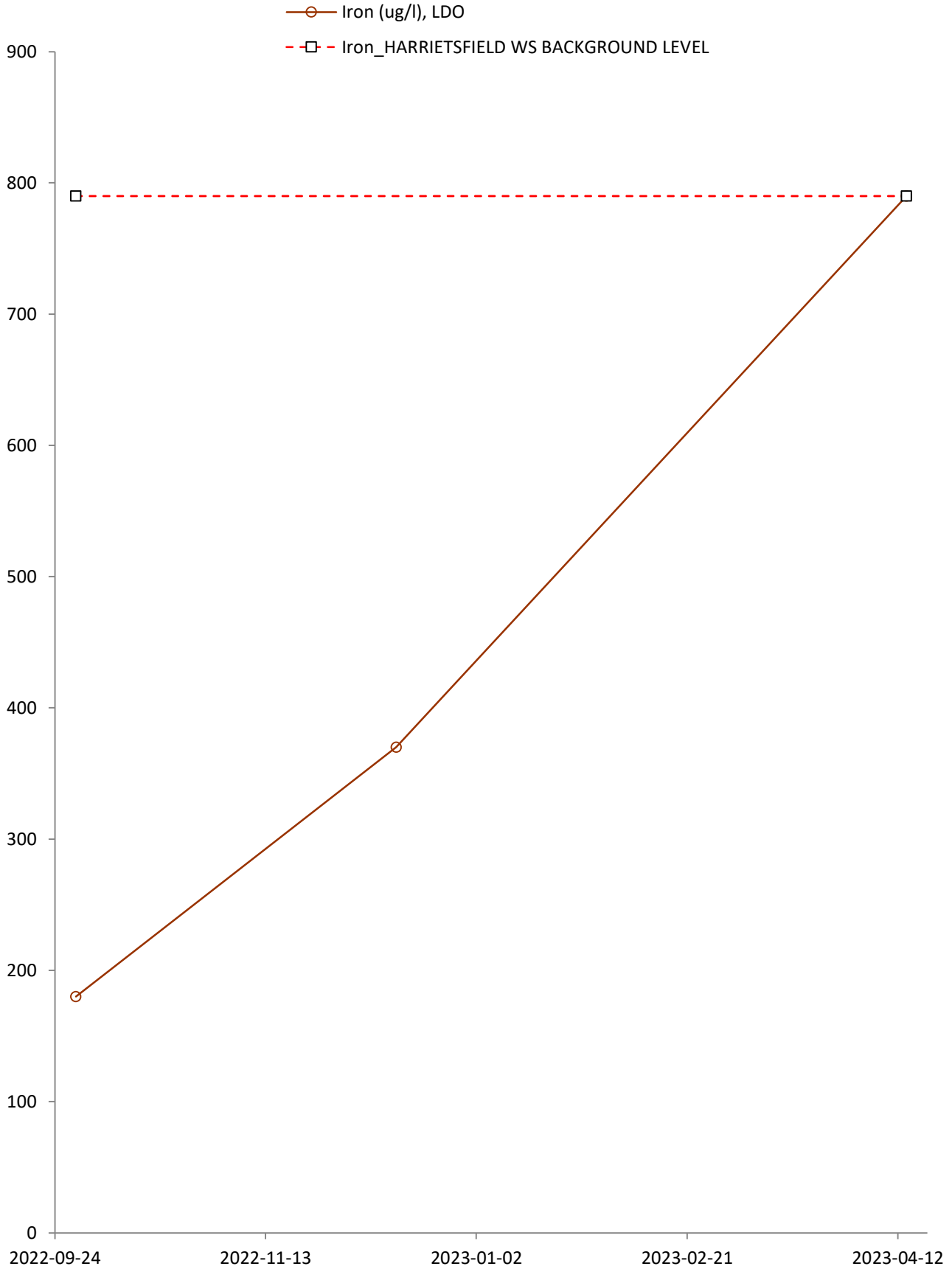


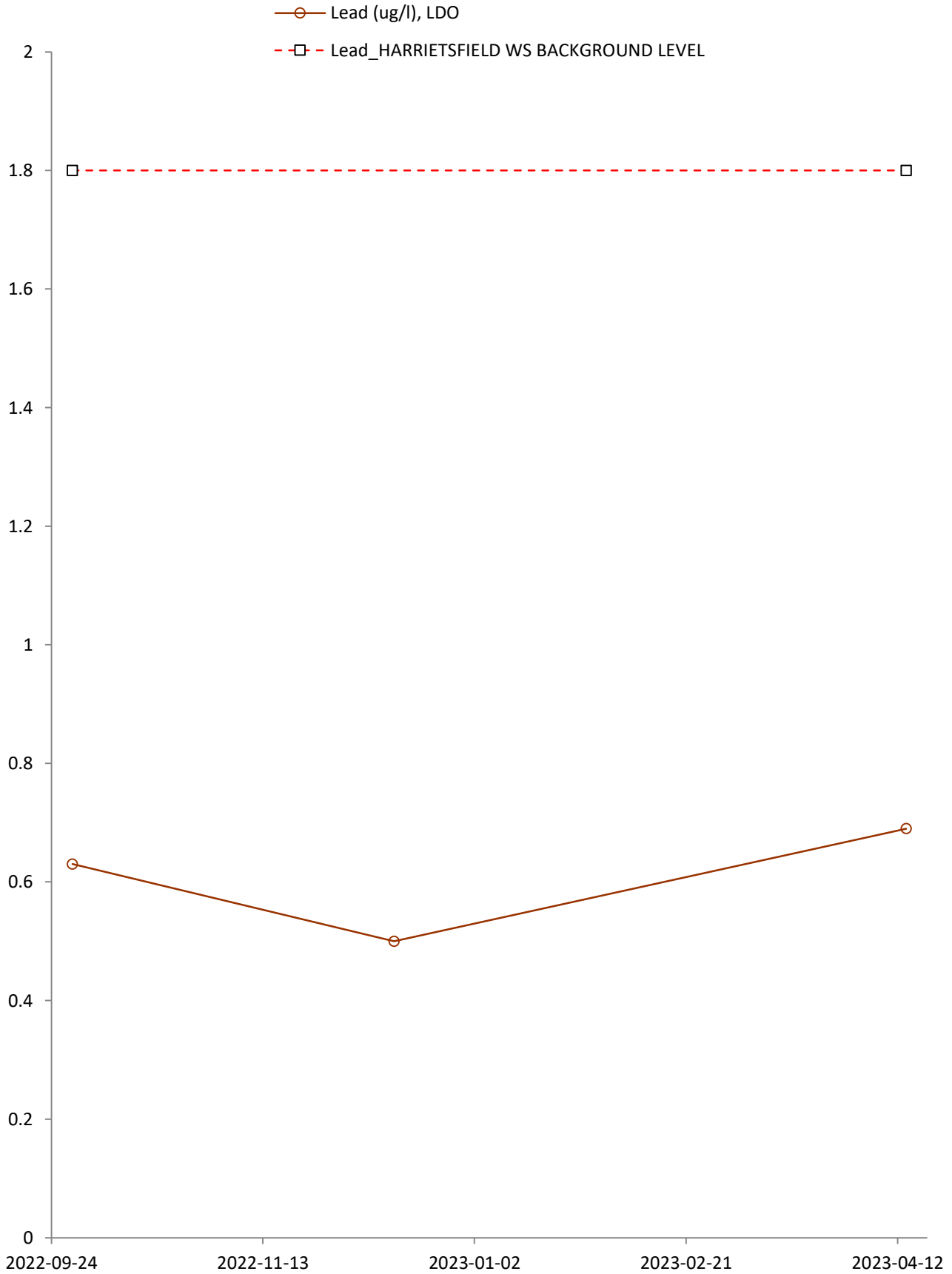
—○— Electrical Conductivity (umhos/cm), LDO
- -□- - Electrical Conductivity_HARRIETSFIELD WS BACKGROUND LEVEL

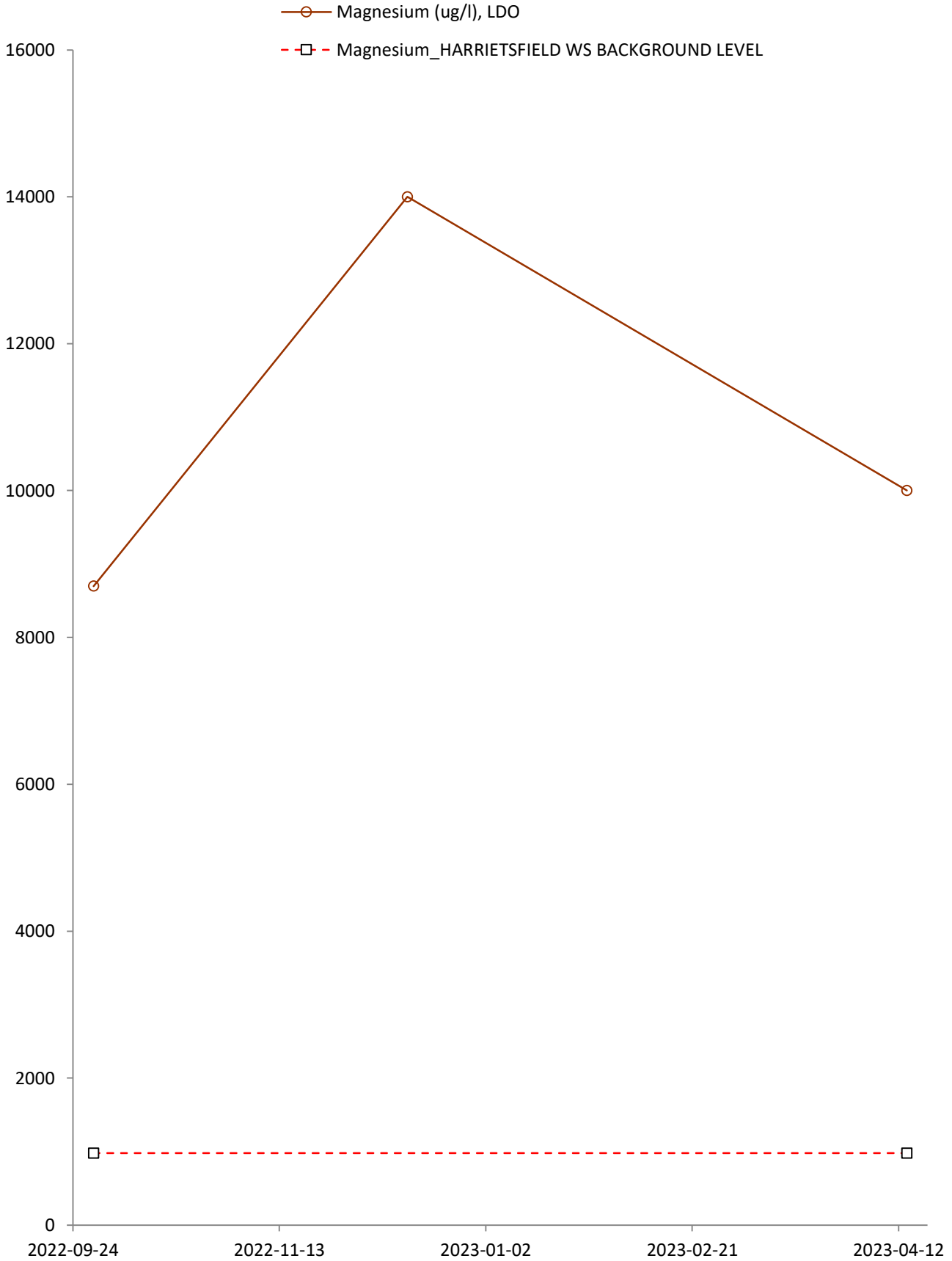


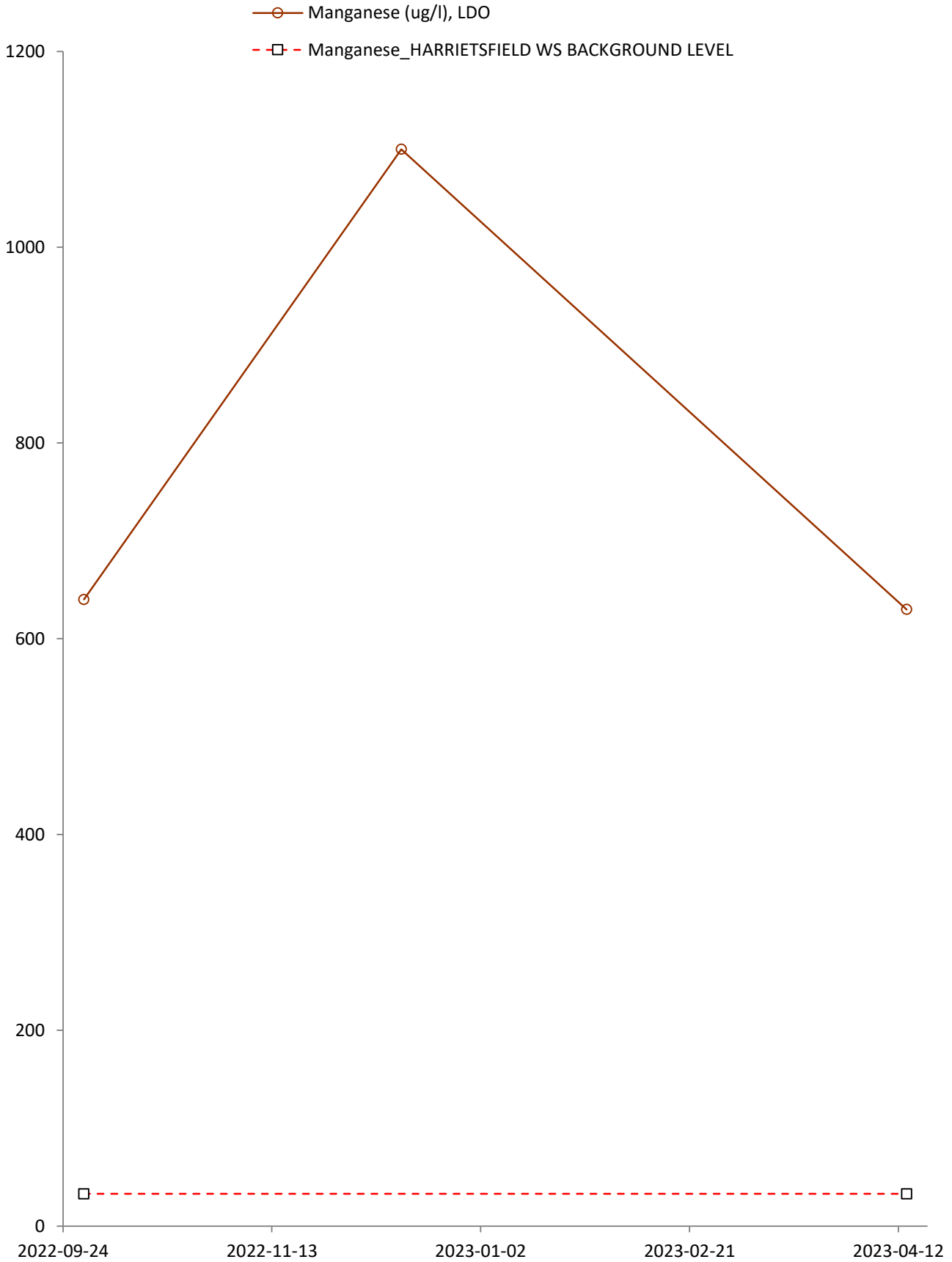




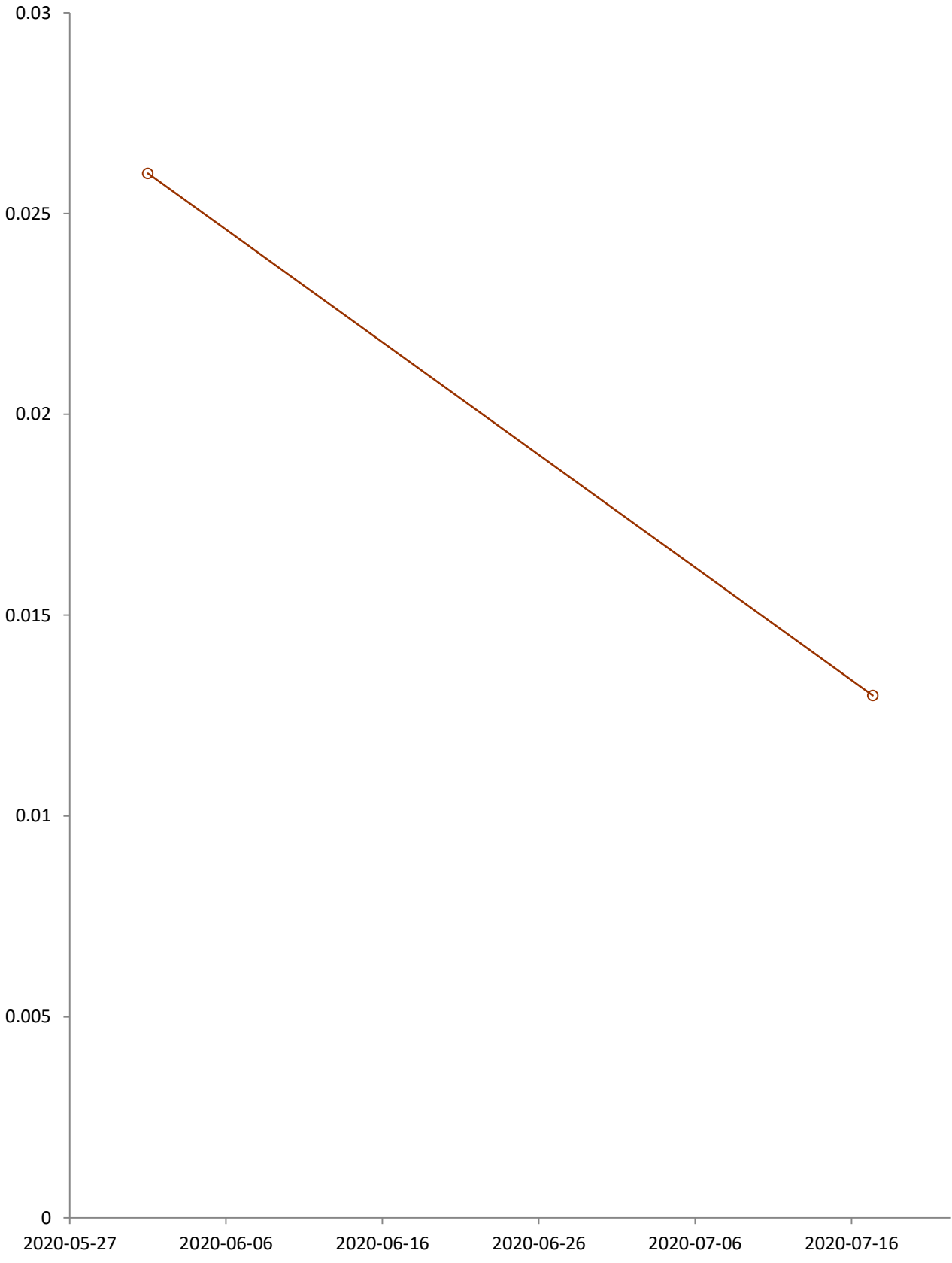


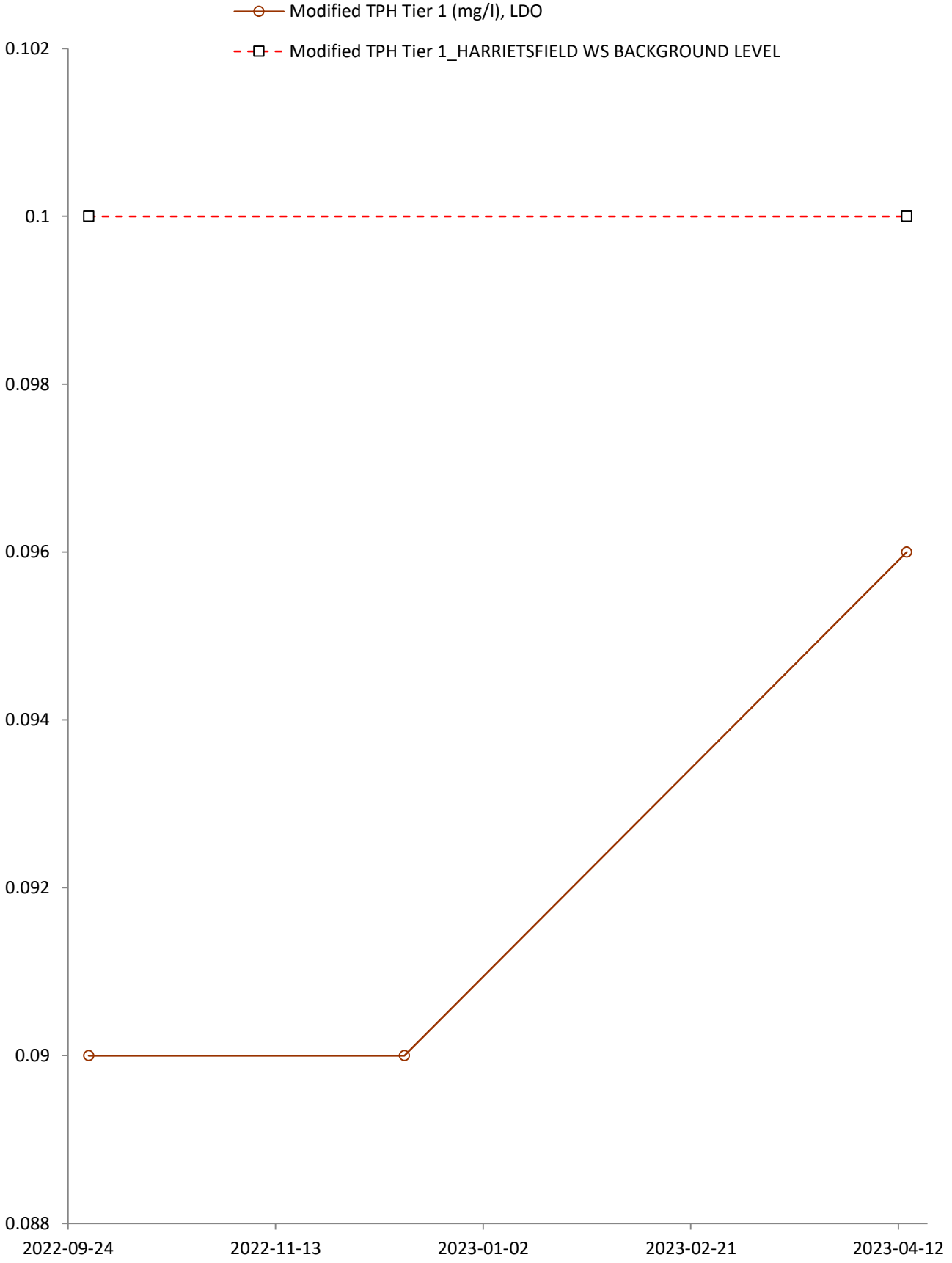


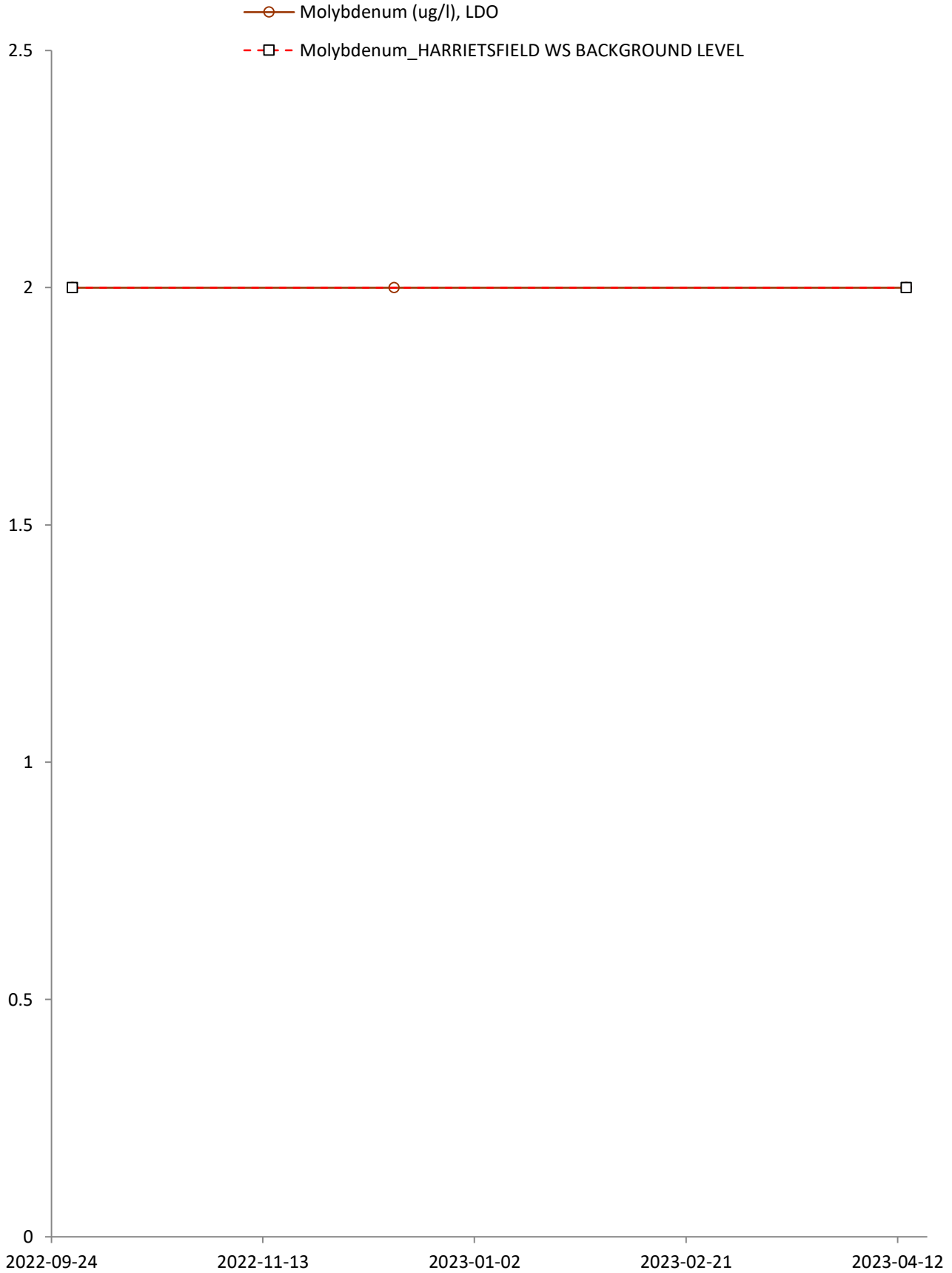


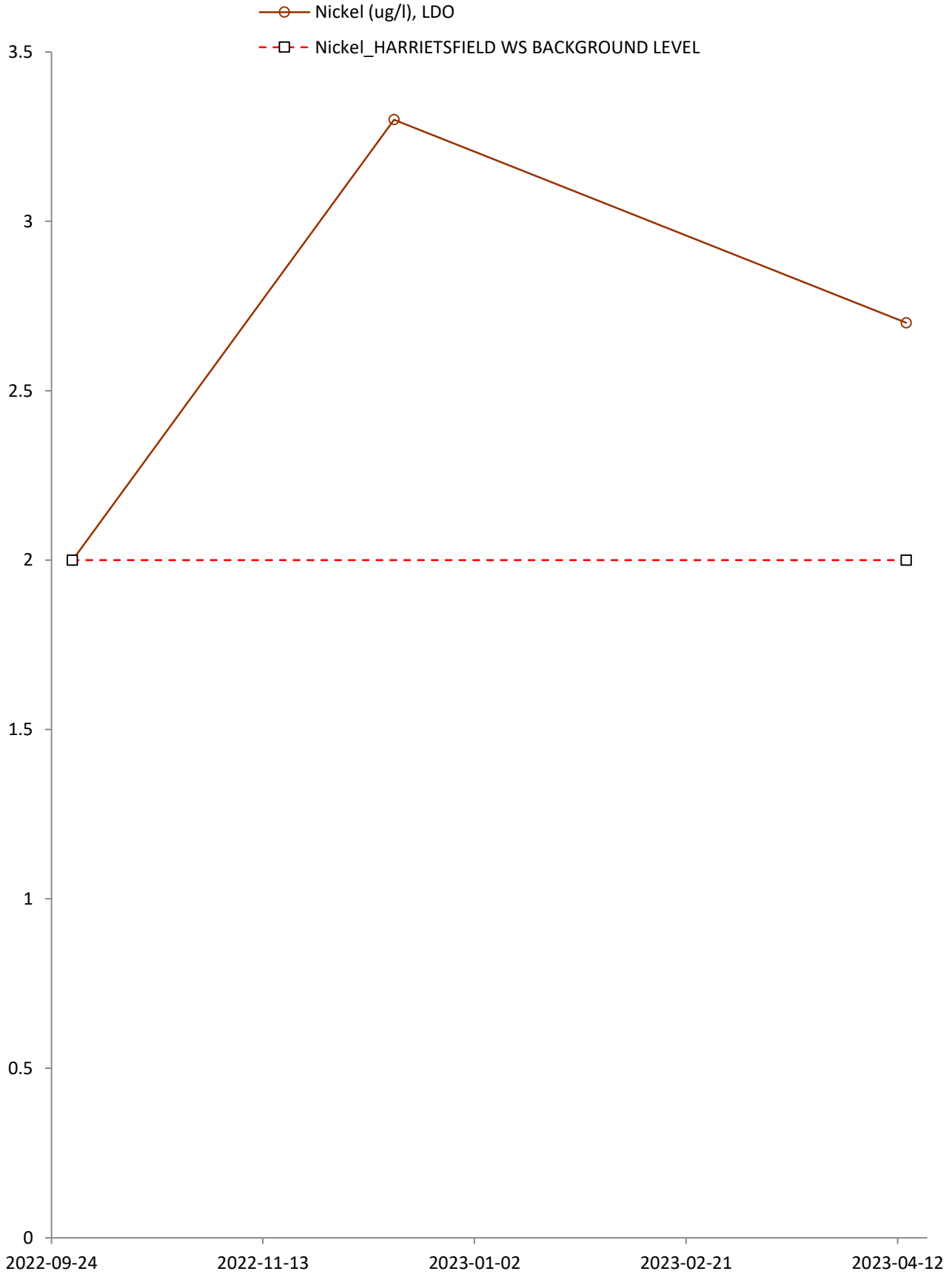


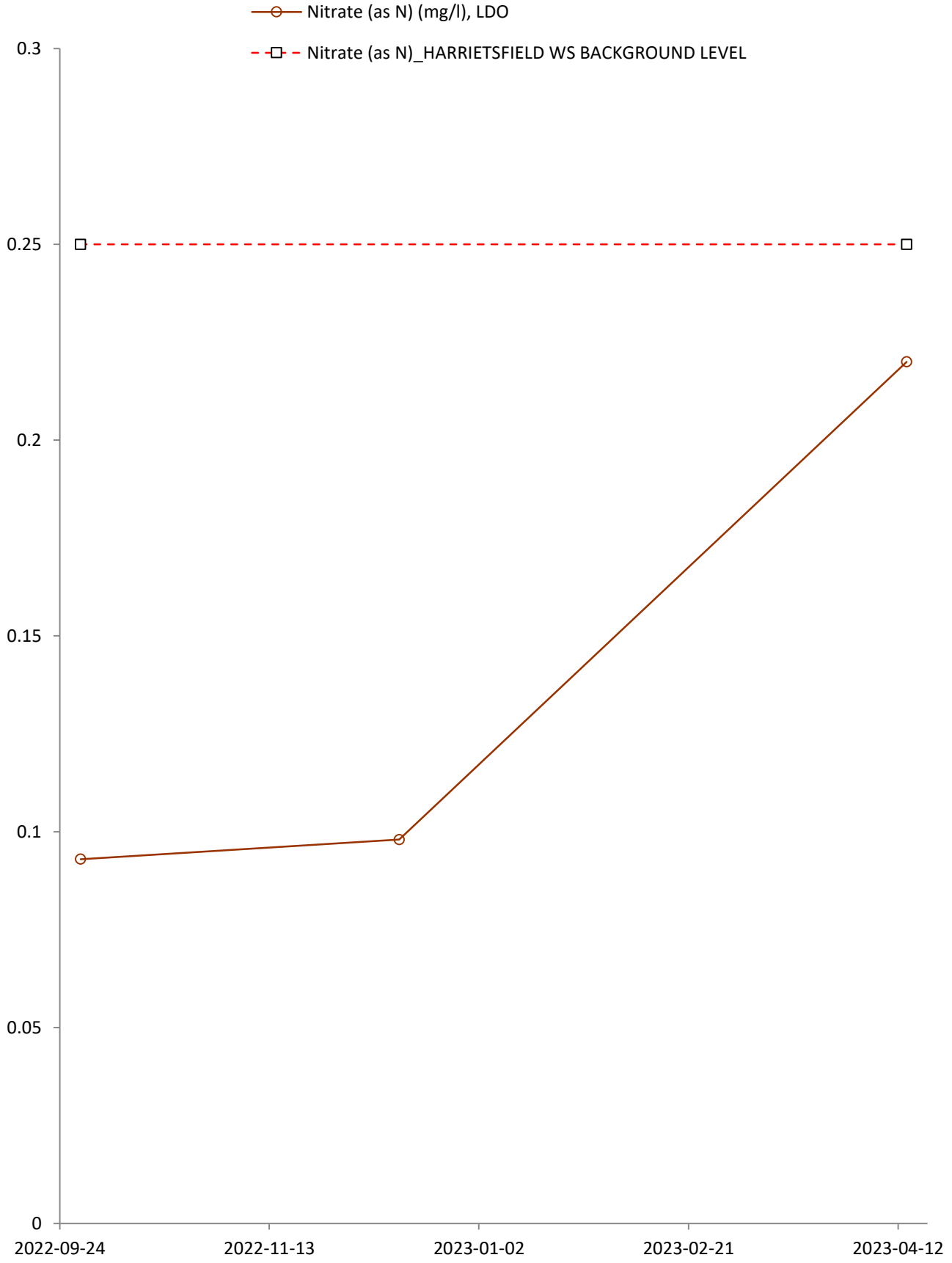
Mercury (ug/l), SW1



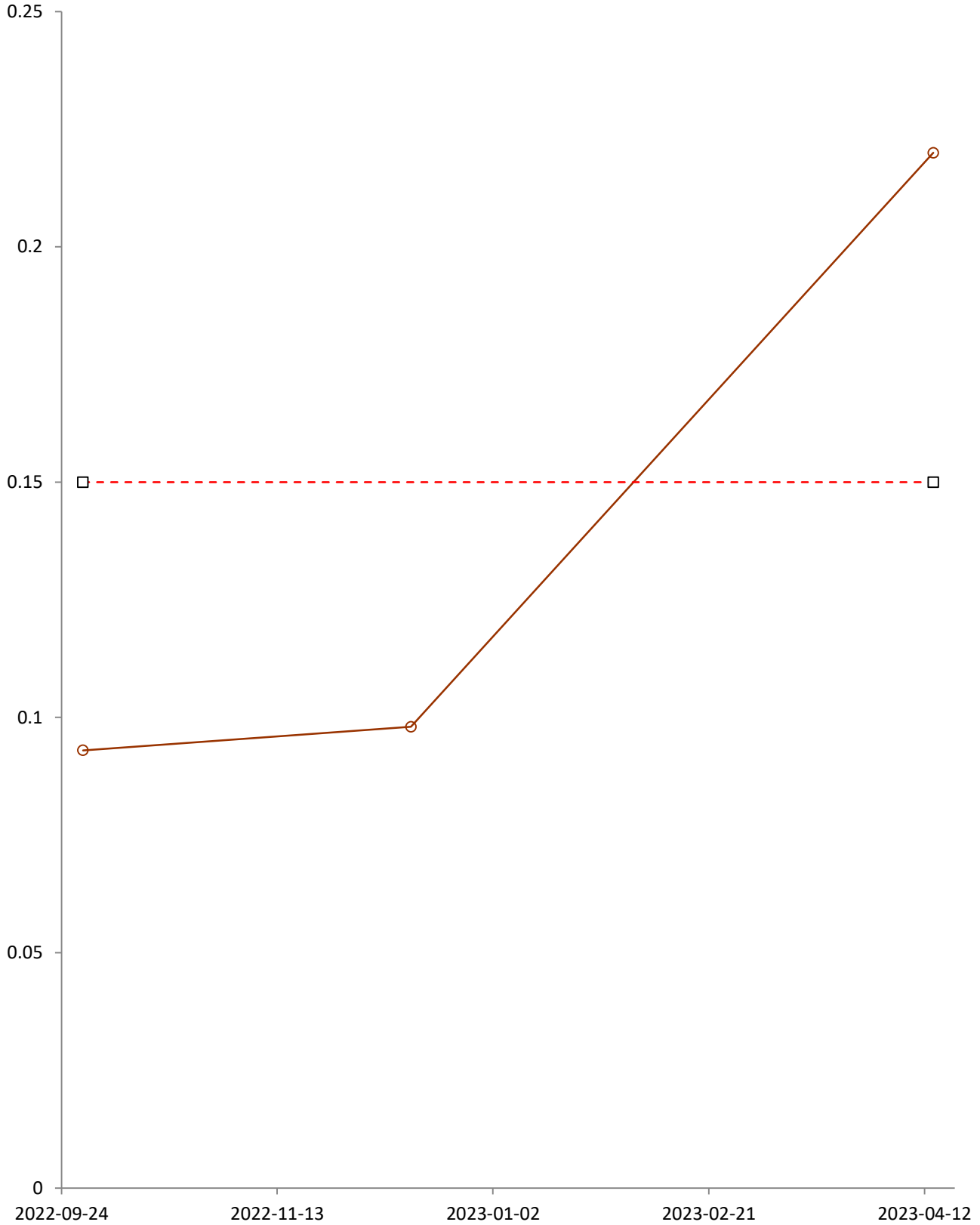


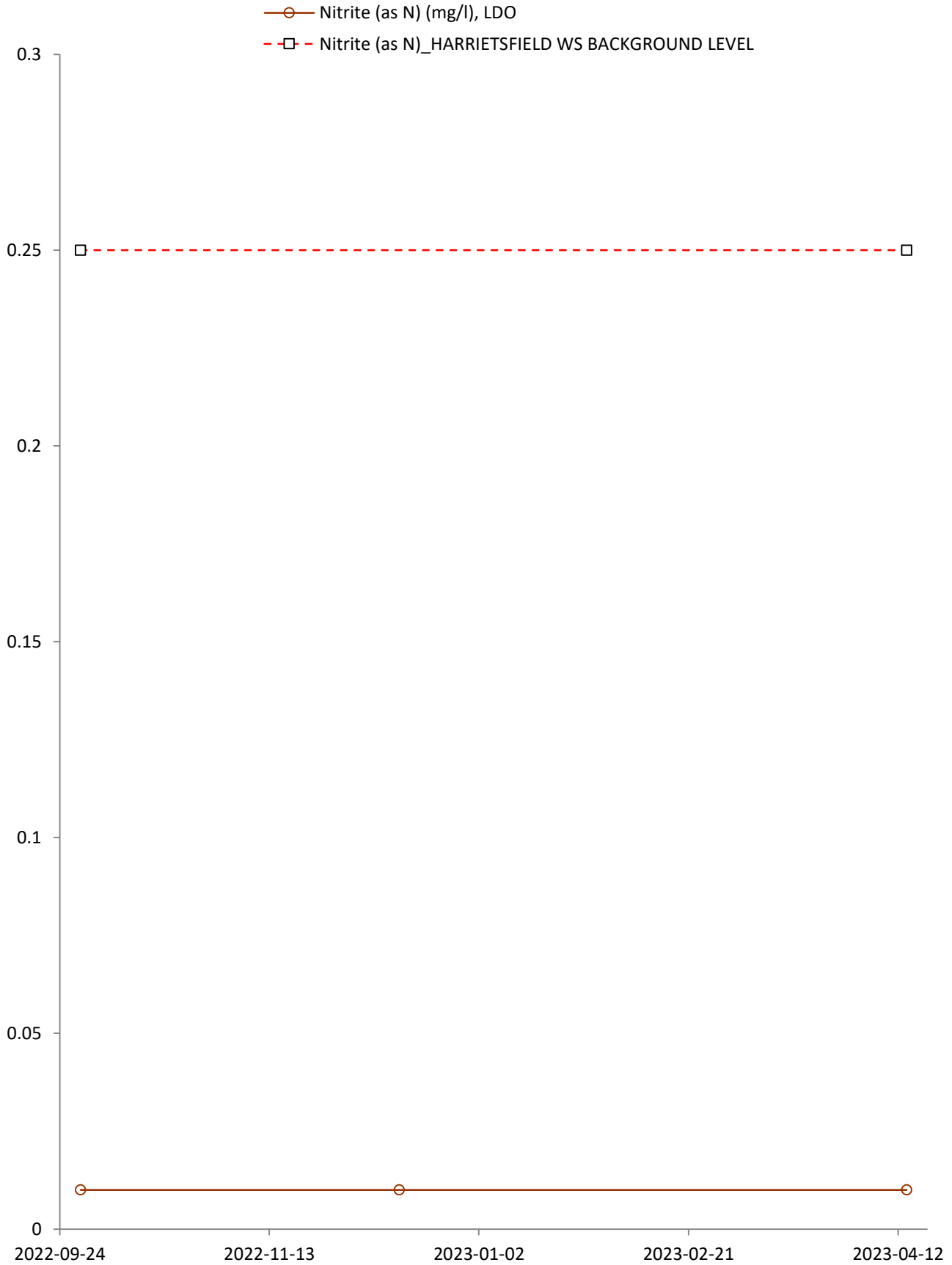




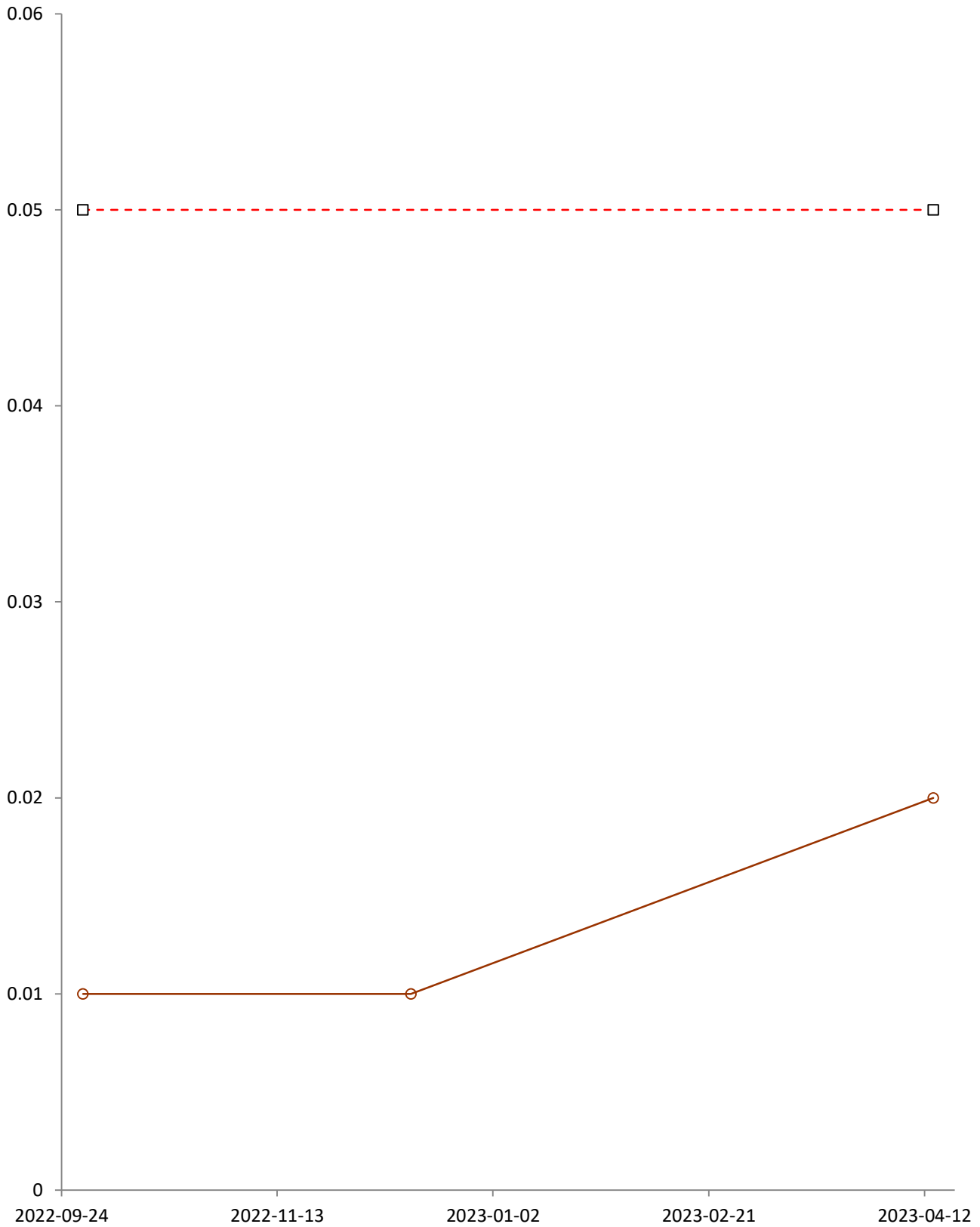


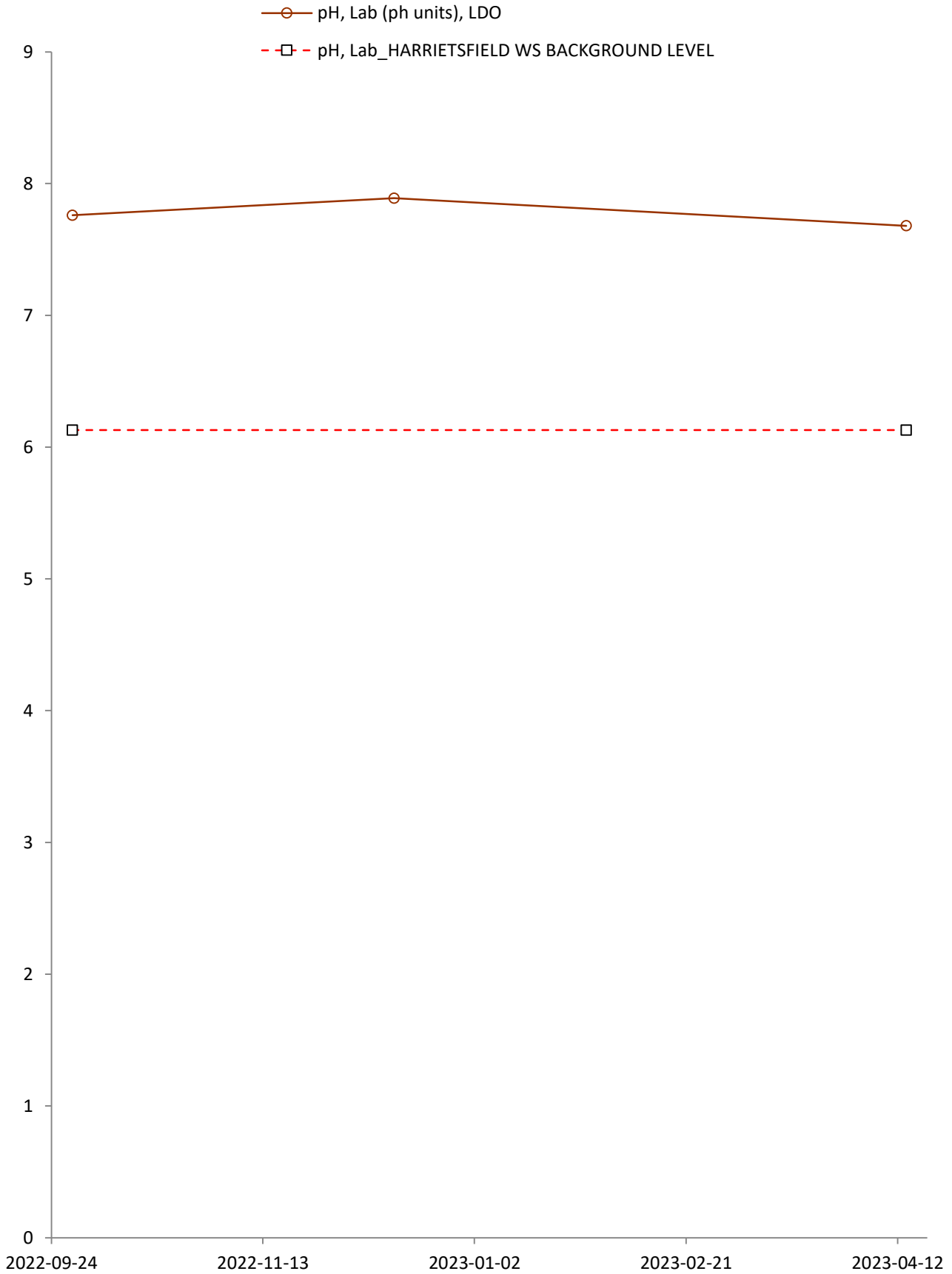
—○— Nitrate plus Nitrite (N) (mg/l), LDO
- -□- - Nitrate plus Nitrite (N)_HARRIETSFIELD WS BACKGROUND LEVEL

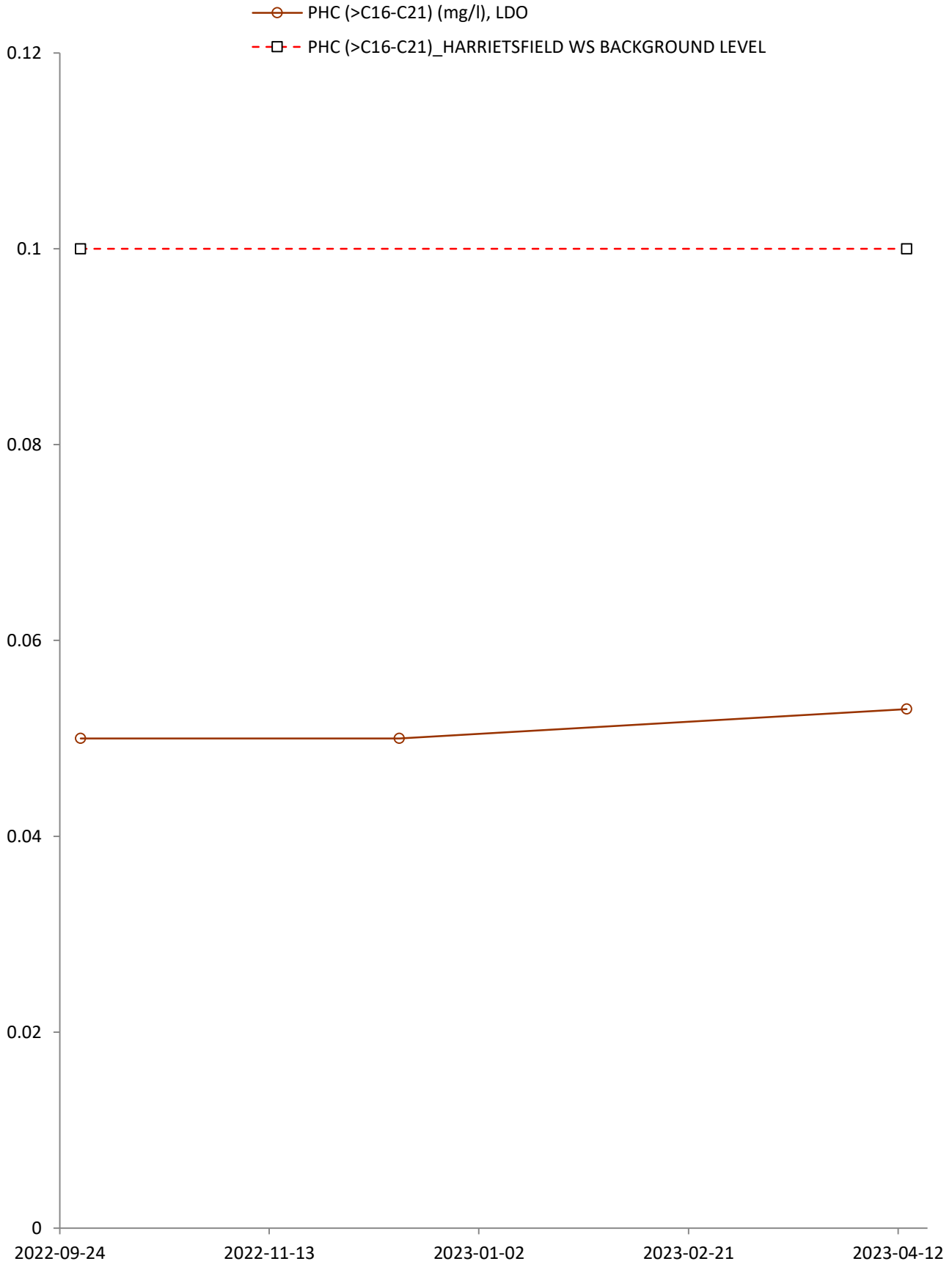


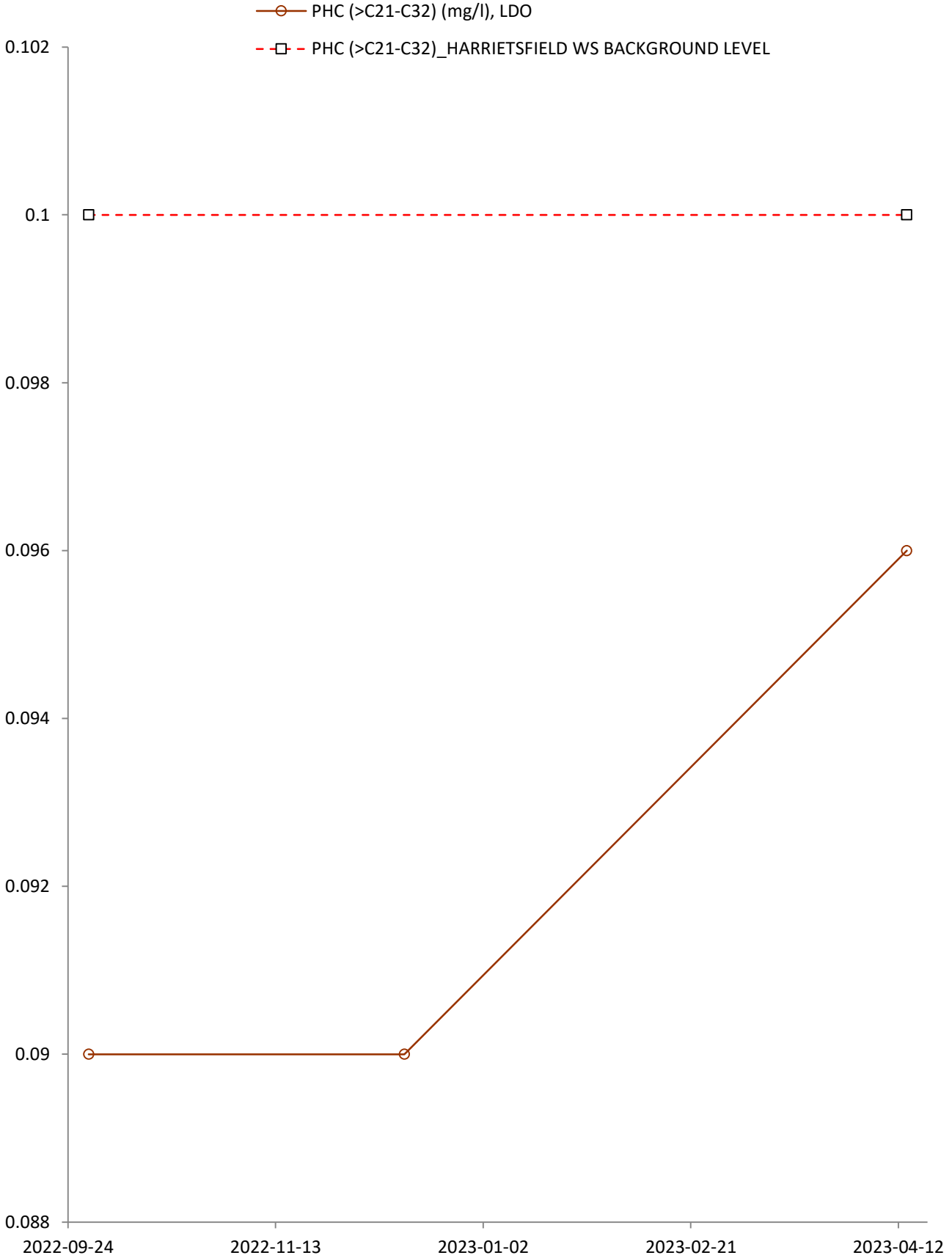


—○— Orthophosphate(as P) (mg/l), LDO
- -□- - Orthophosphate(as P)_HARRIETSFIELD WS BACKGROUND LEVEL

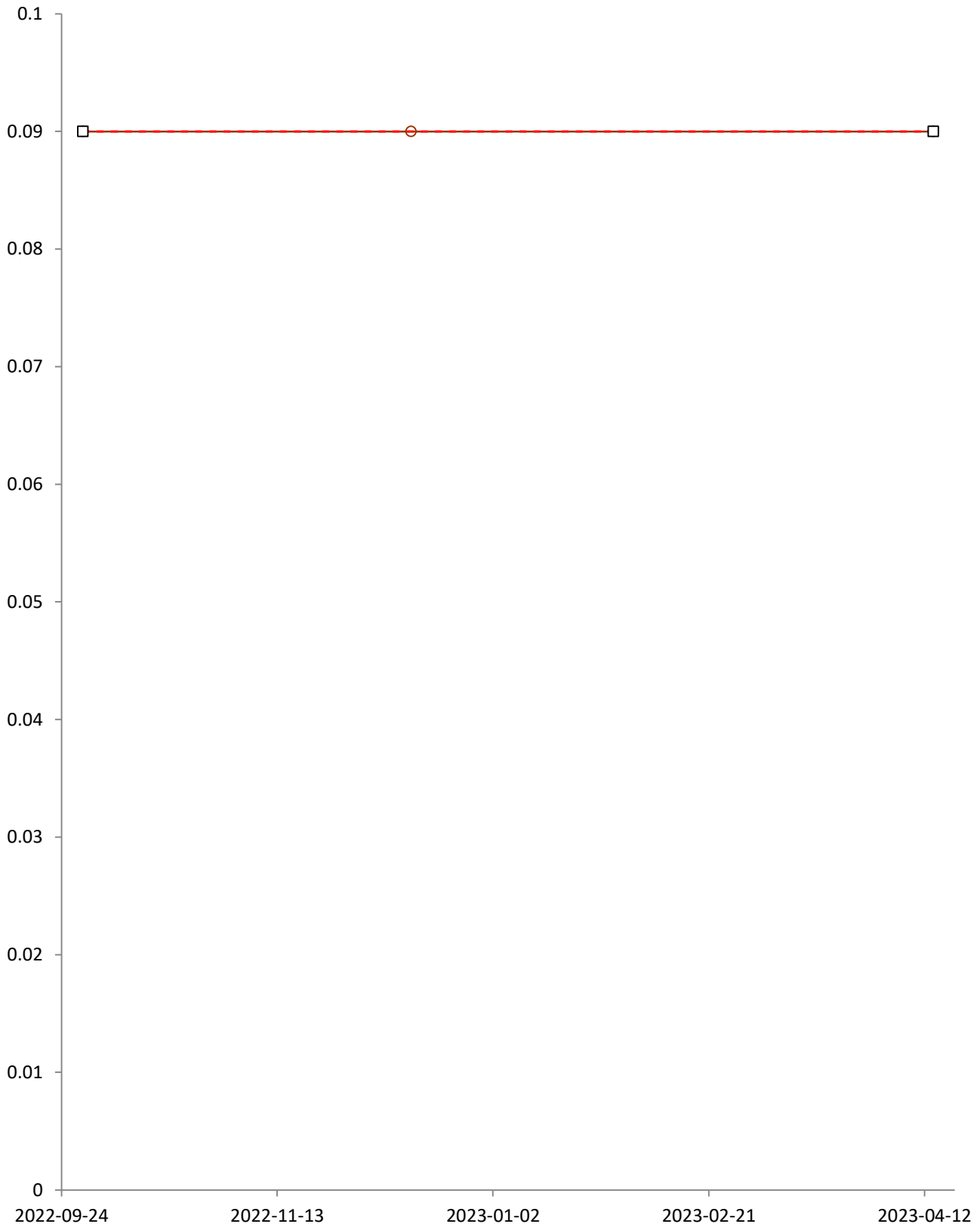


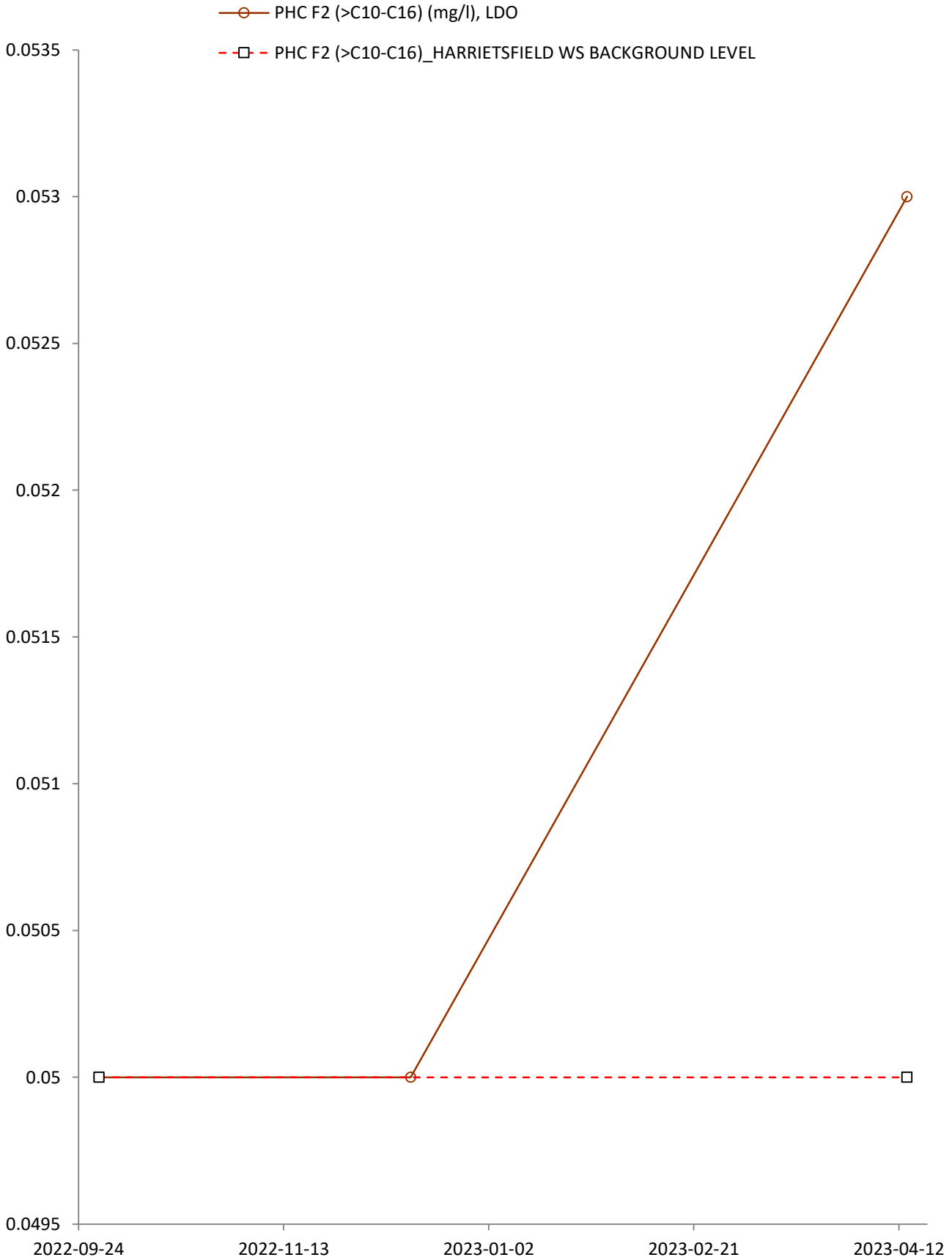


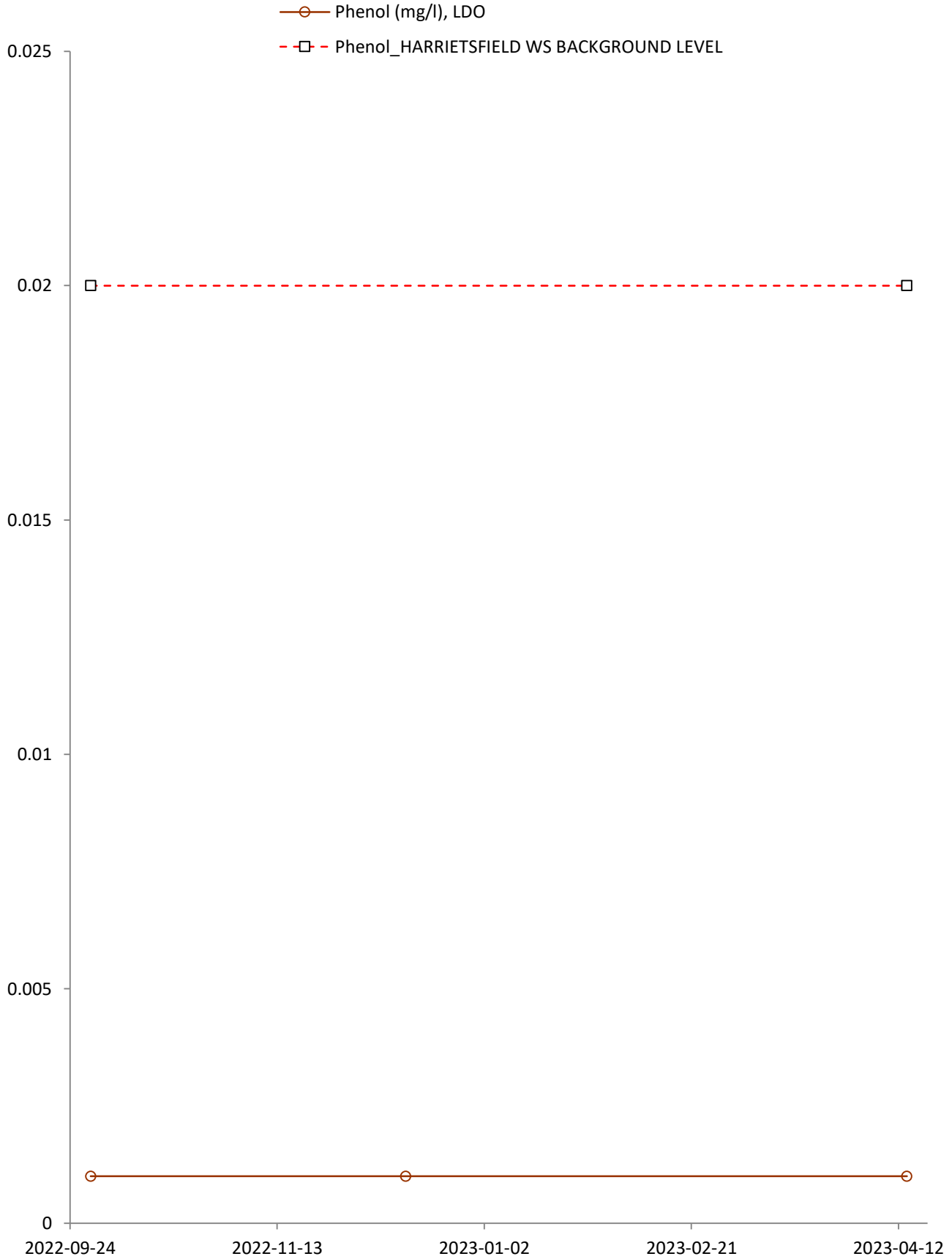


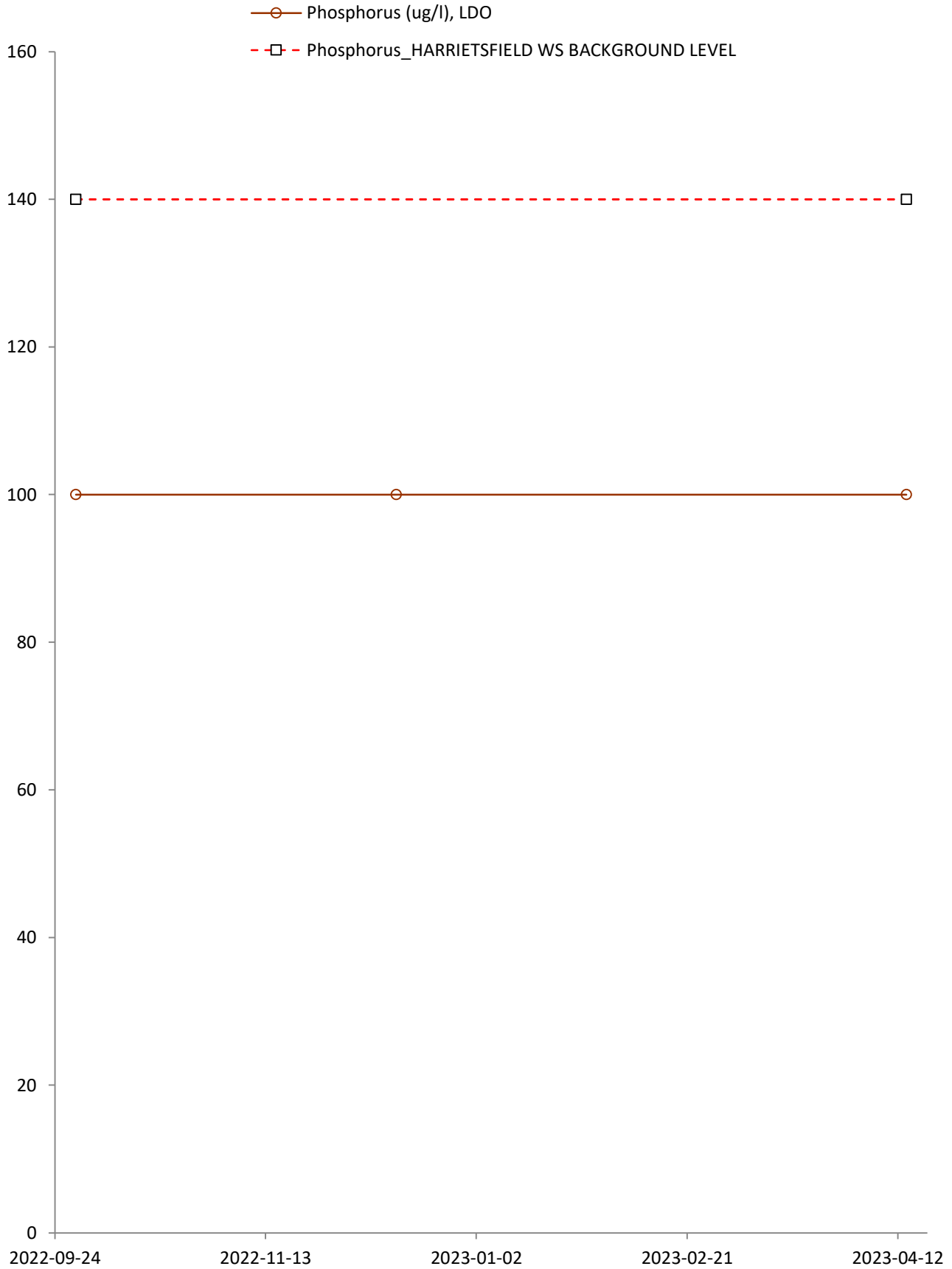


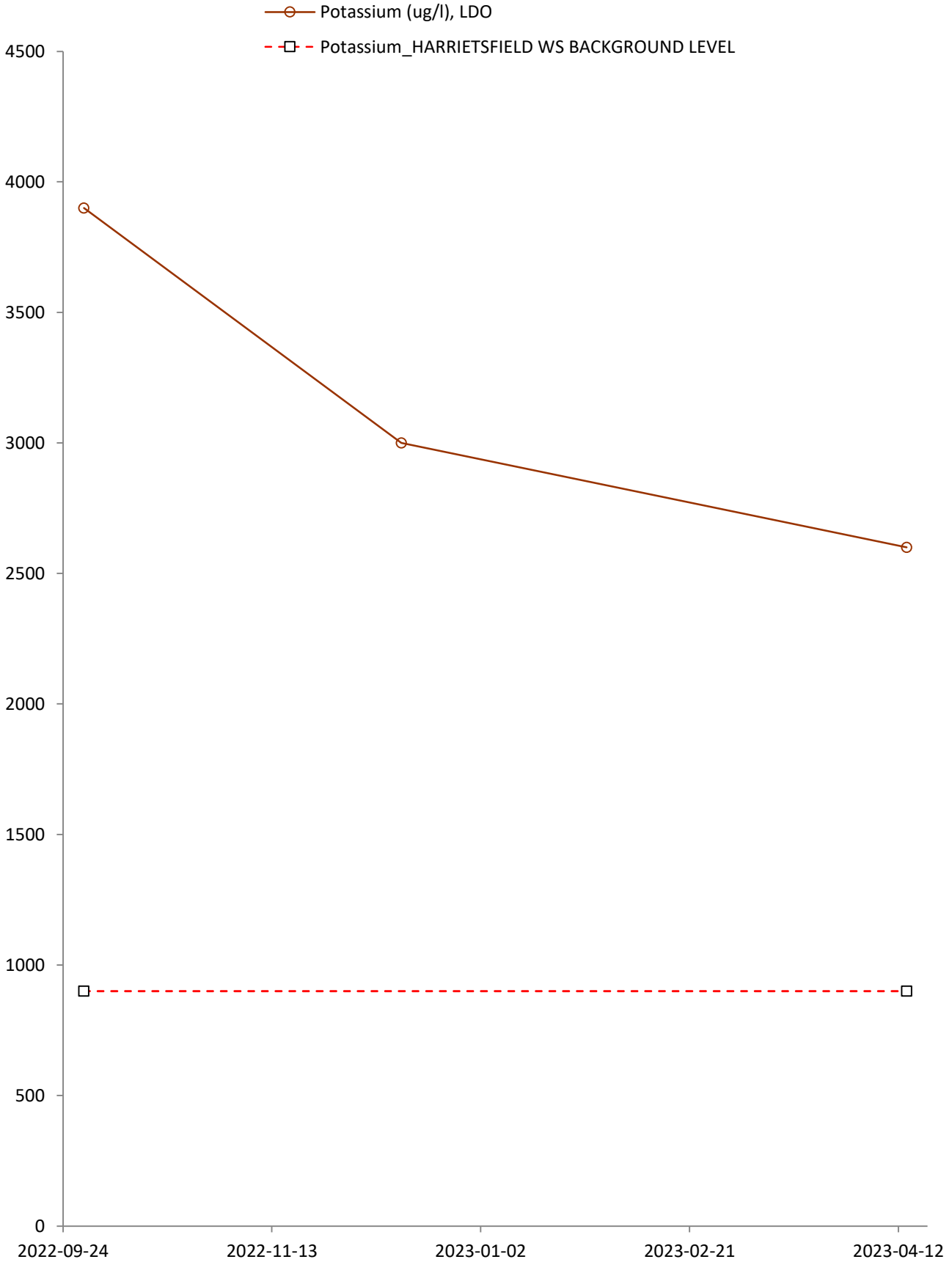
—○— PHC F1 (C6-C10) min BTEX (mg/l), LDO
- -□- - PHC F1 (C6-C10) min BTEX_HARRIETSFIELD WS BACKGROUND LEVEL

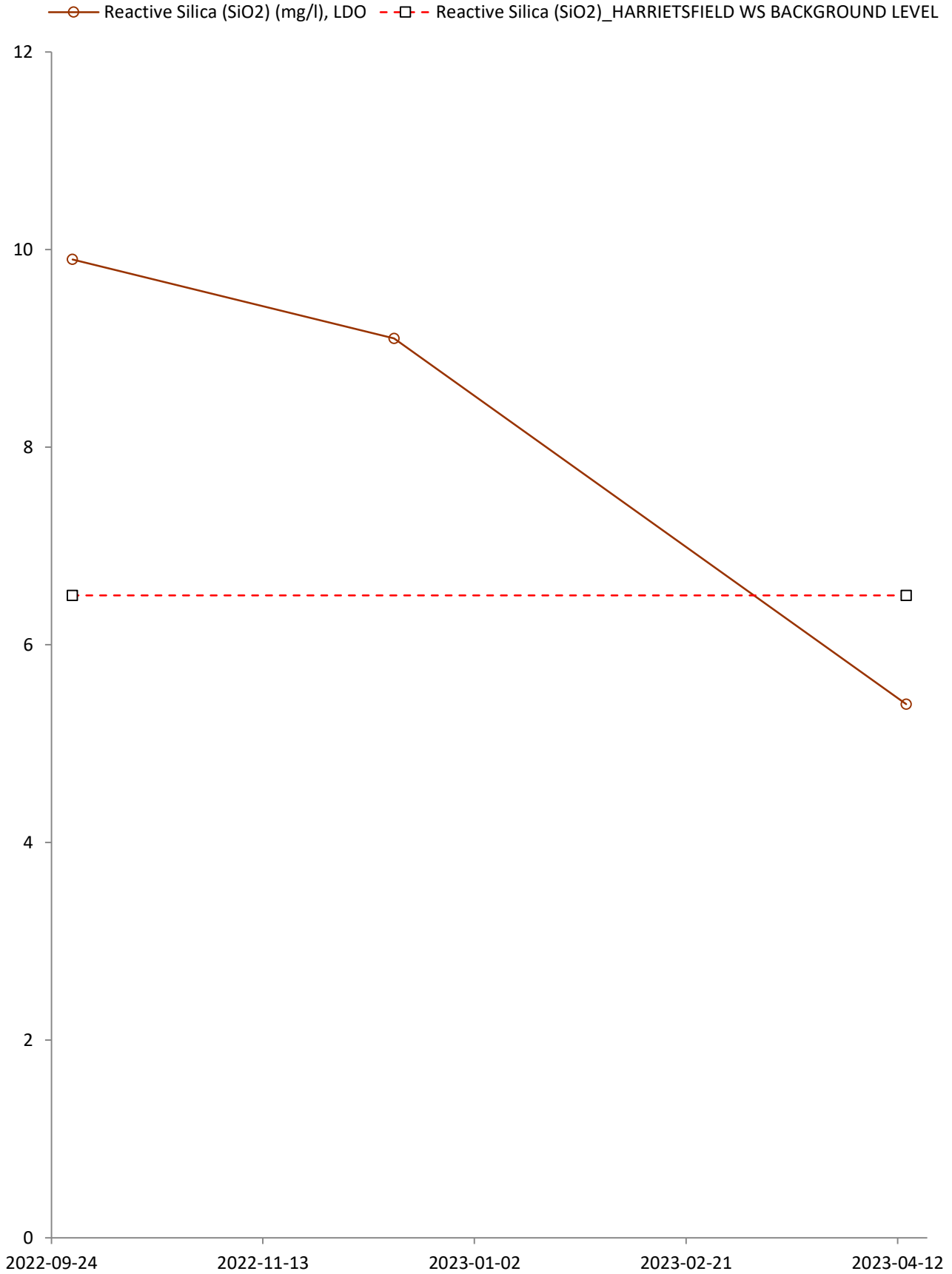


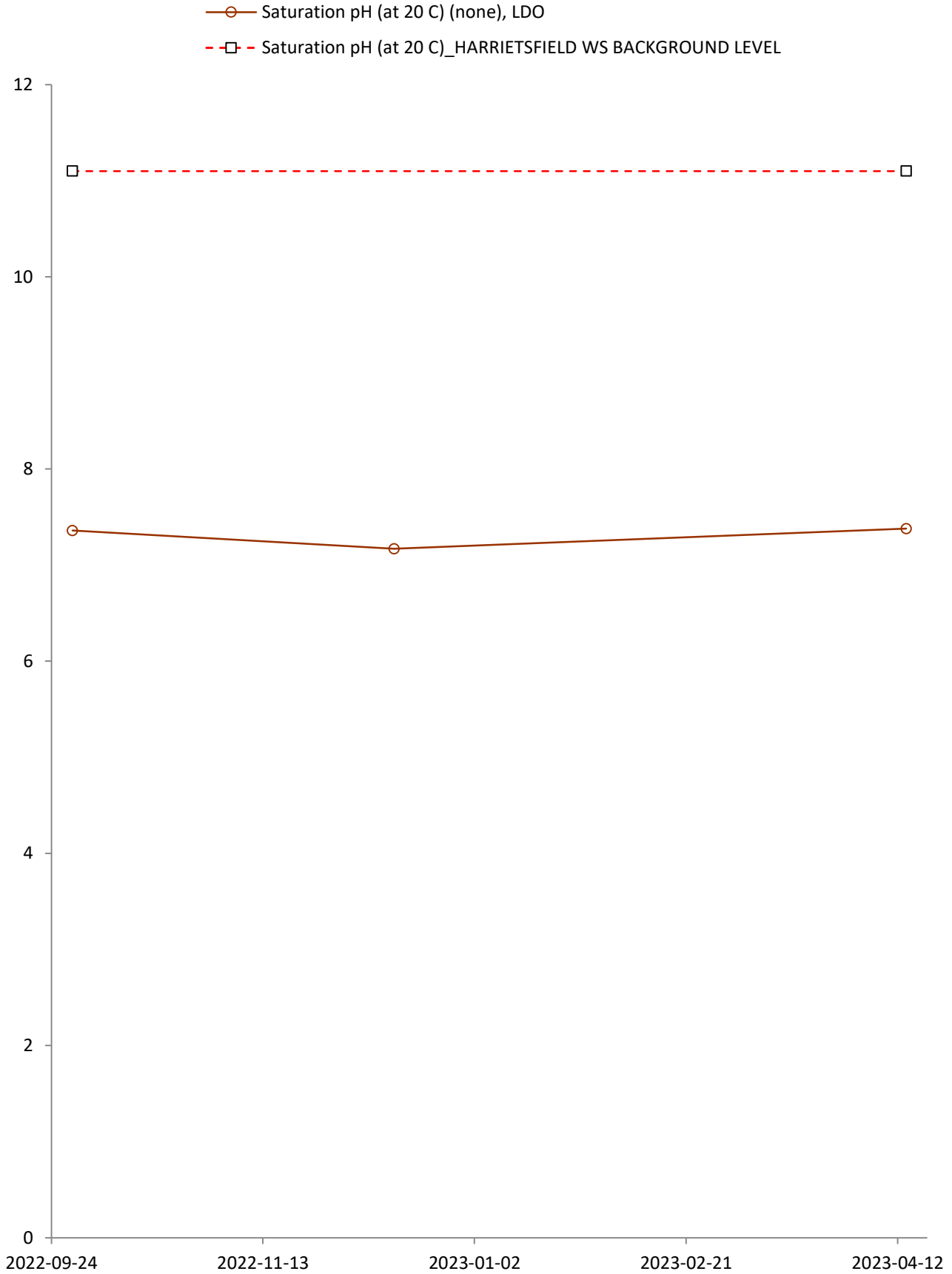


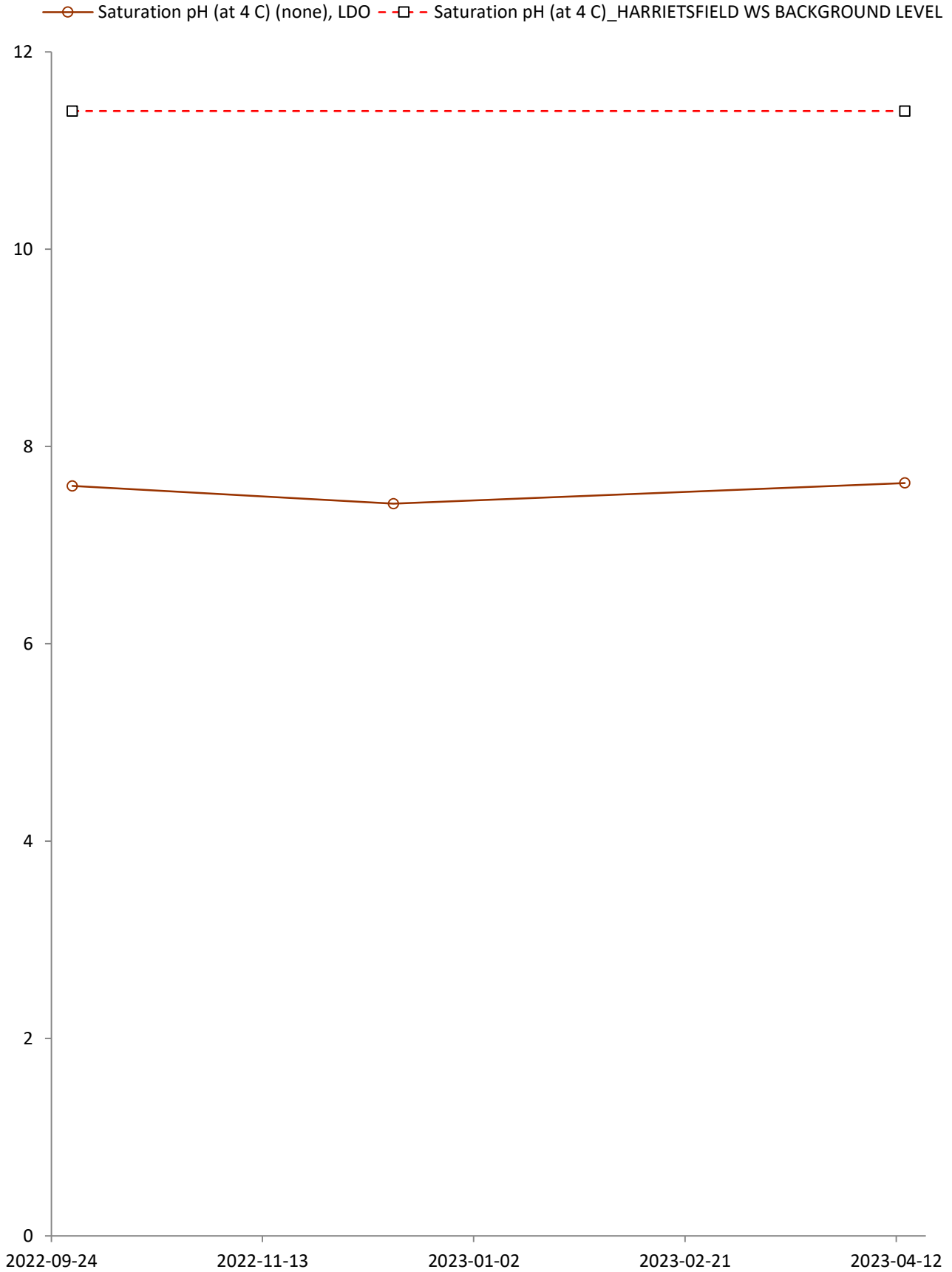


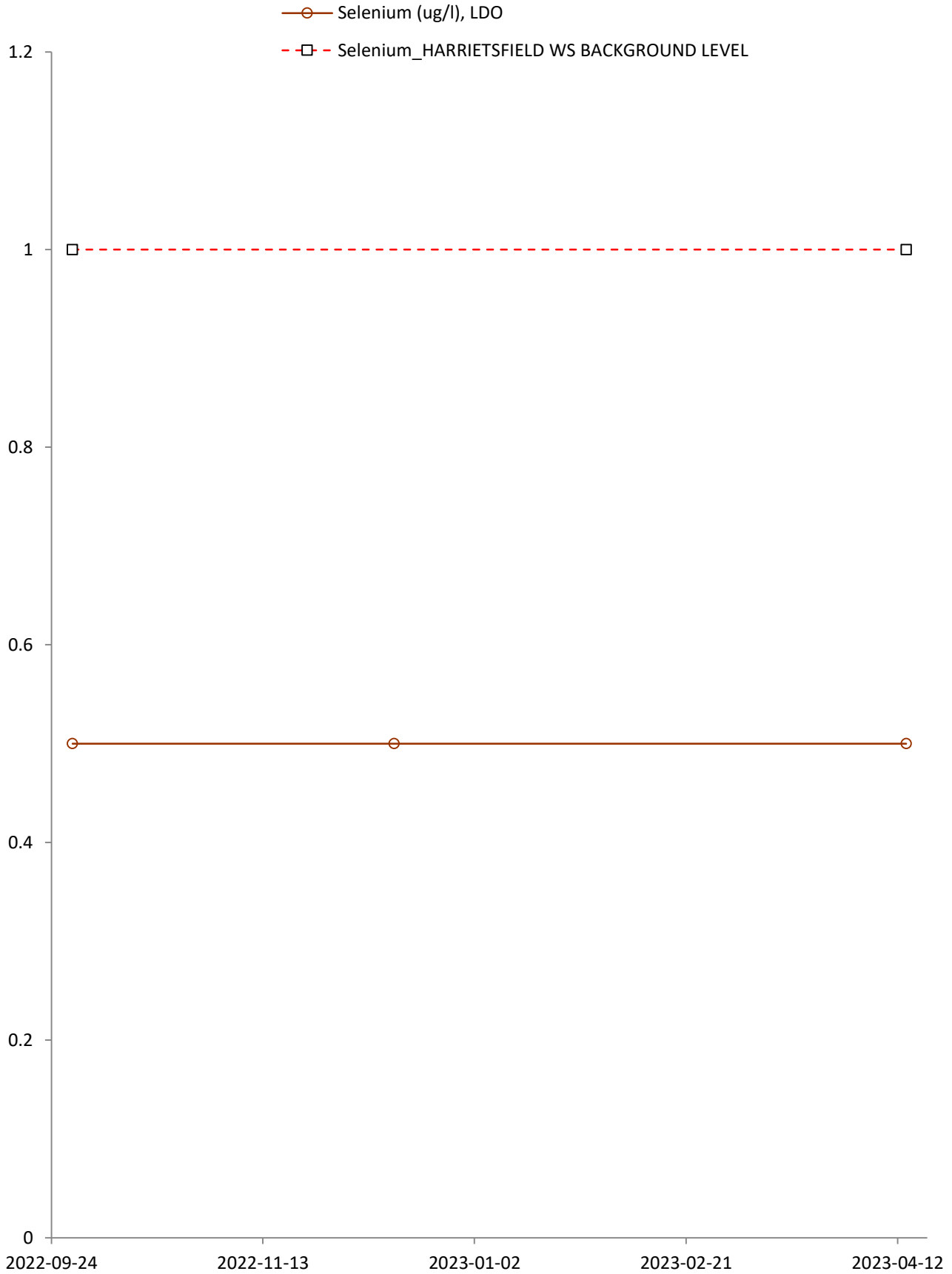


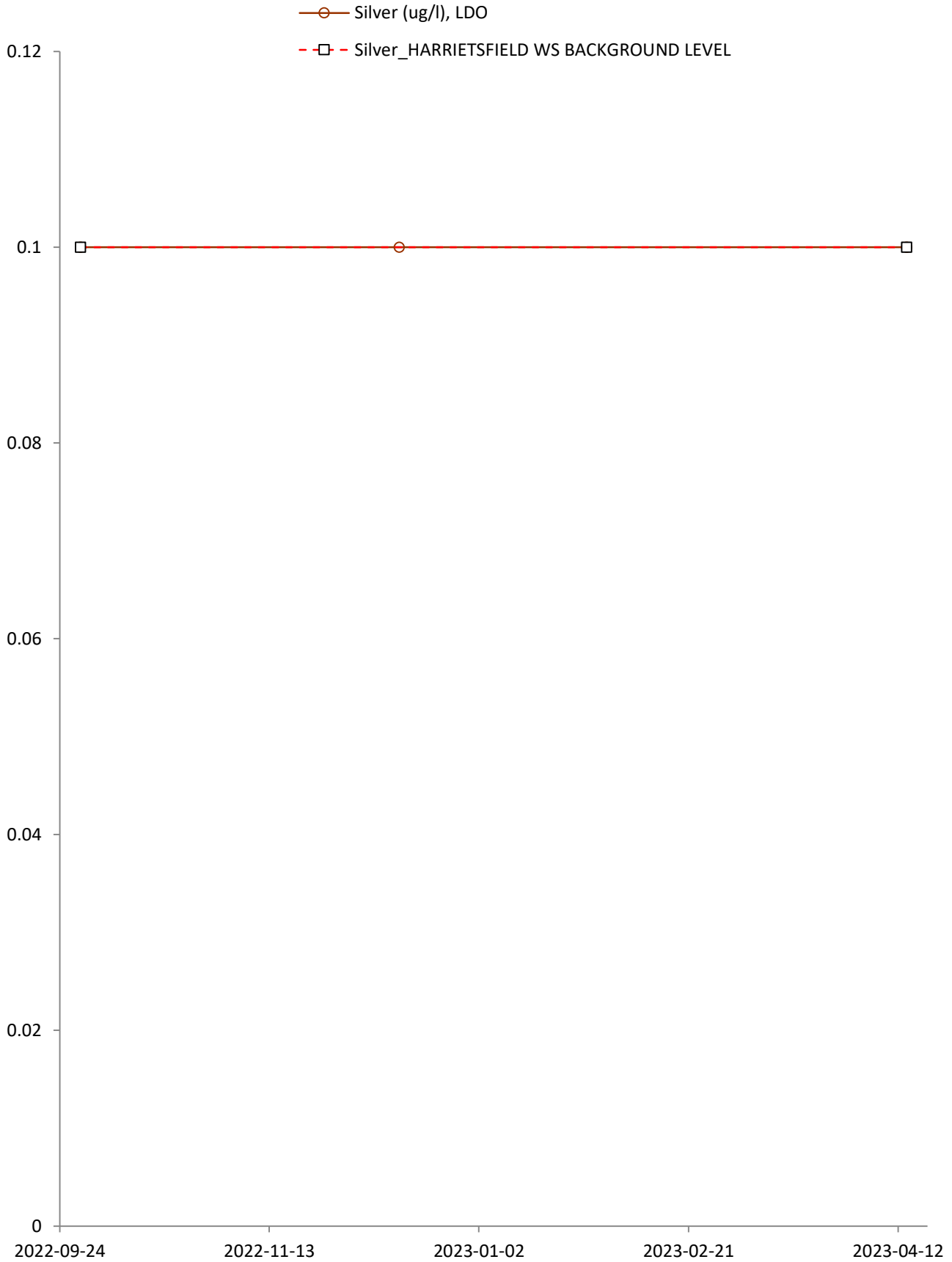


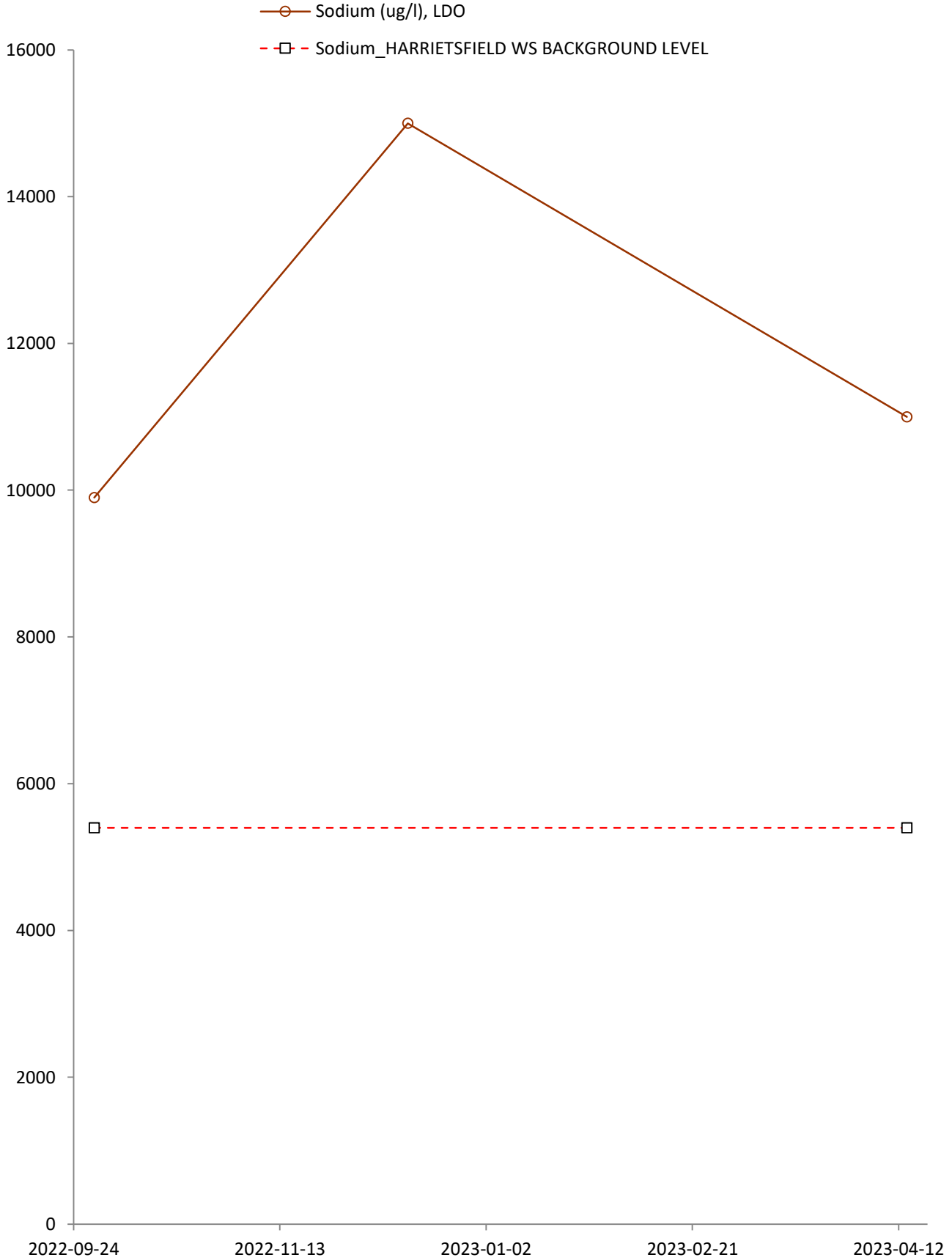


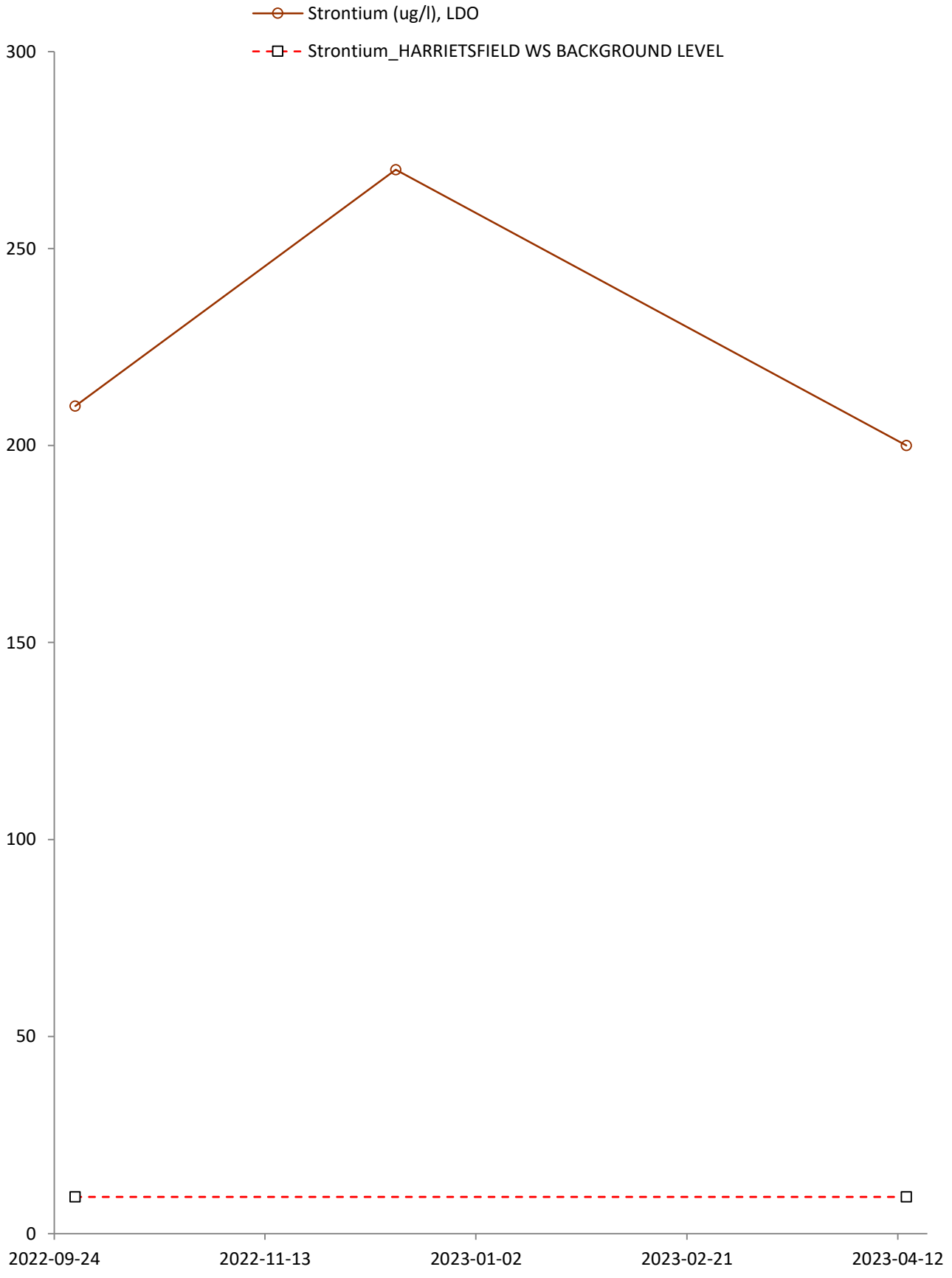


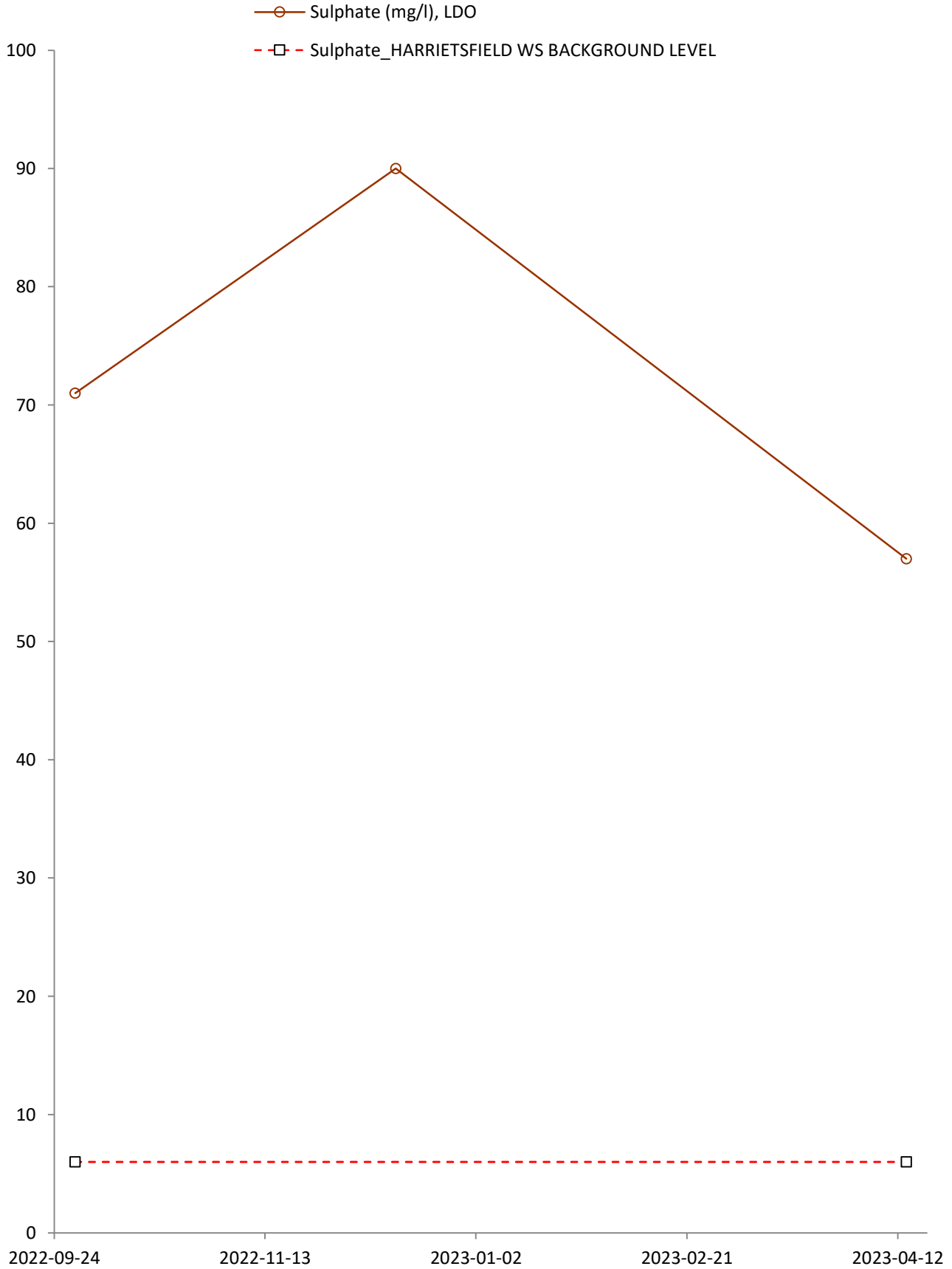


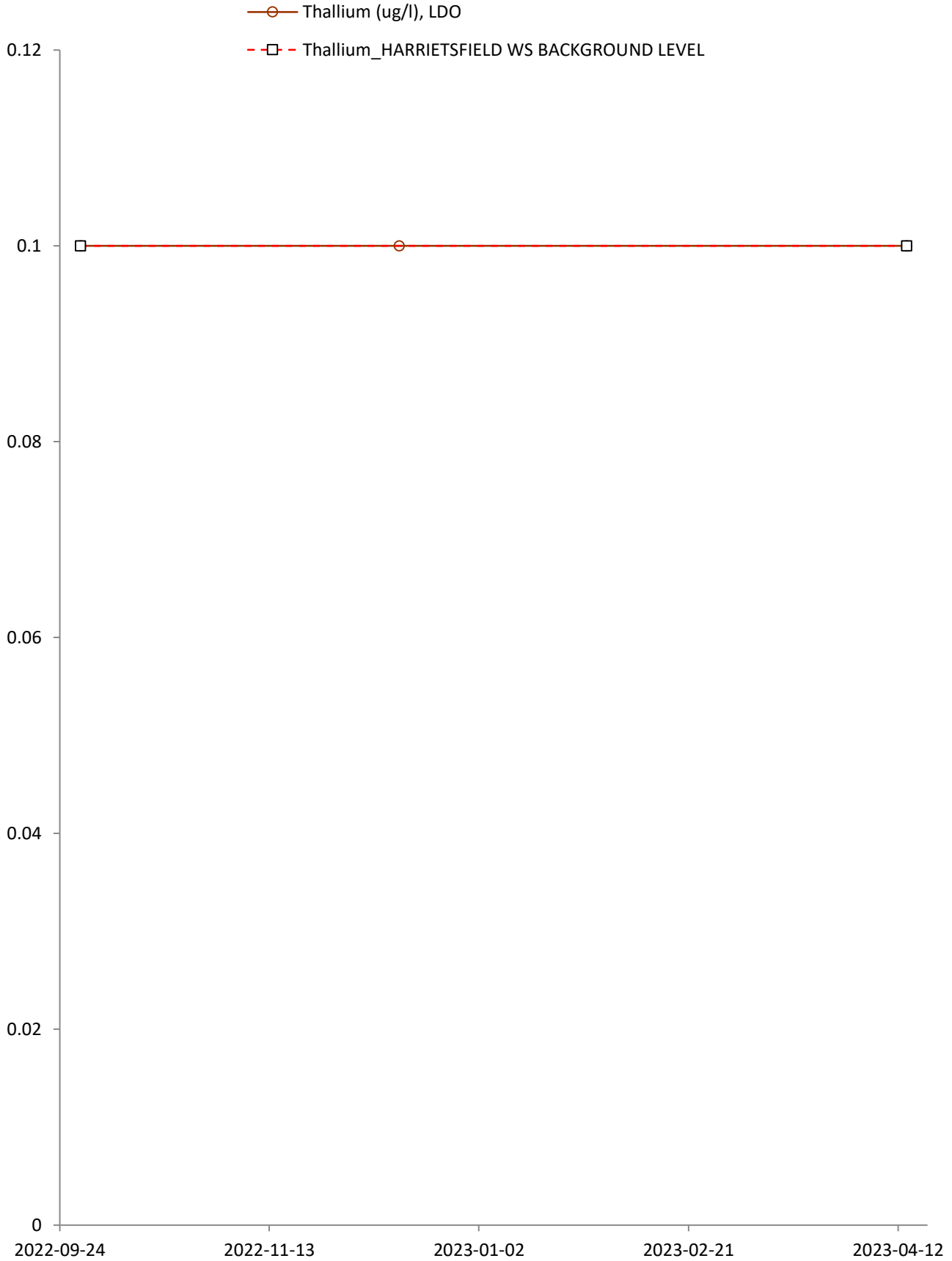


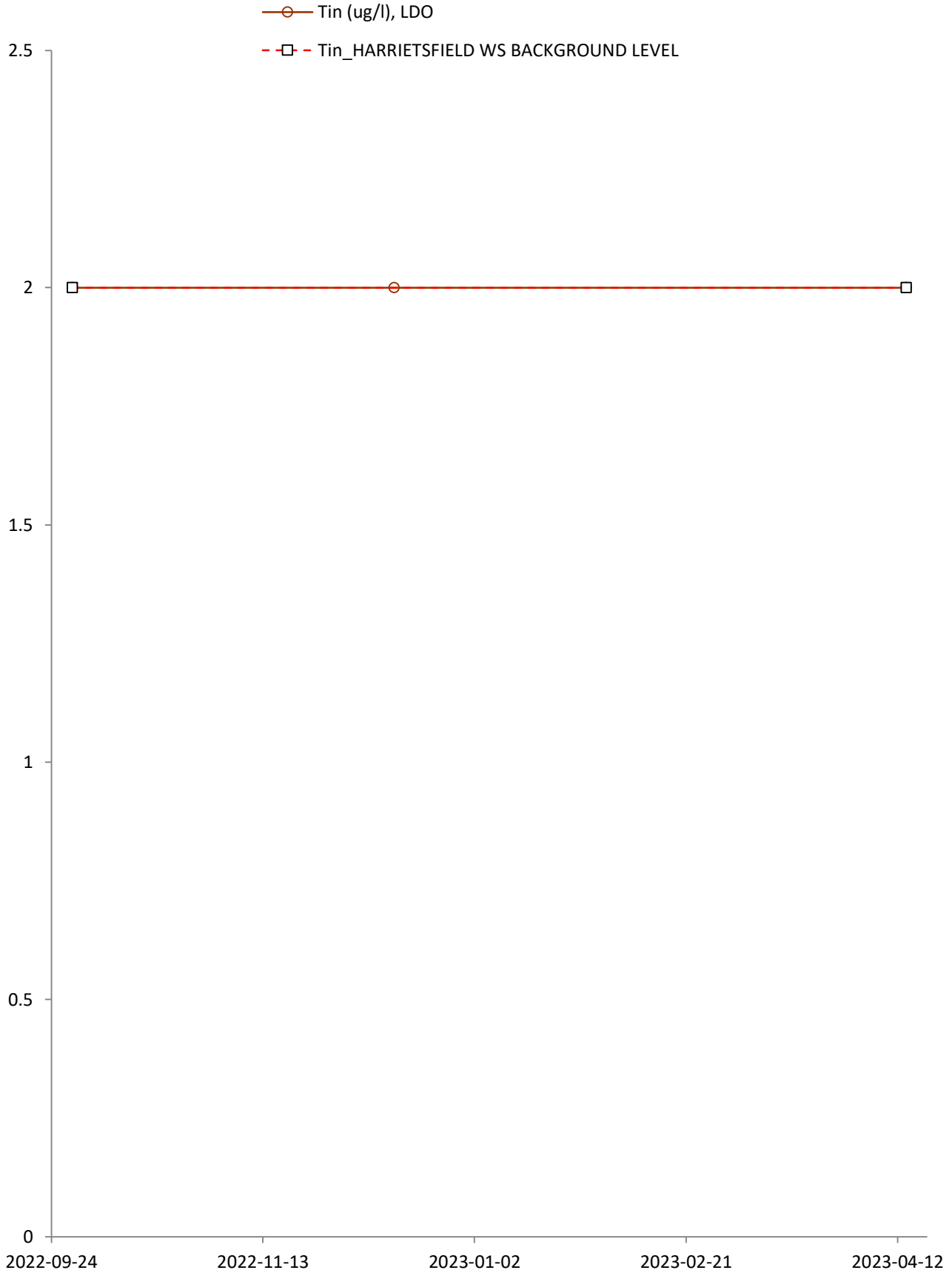


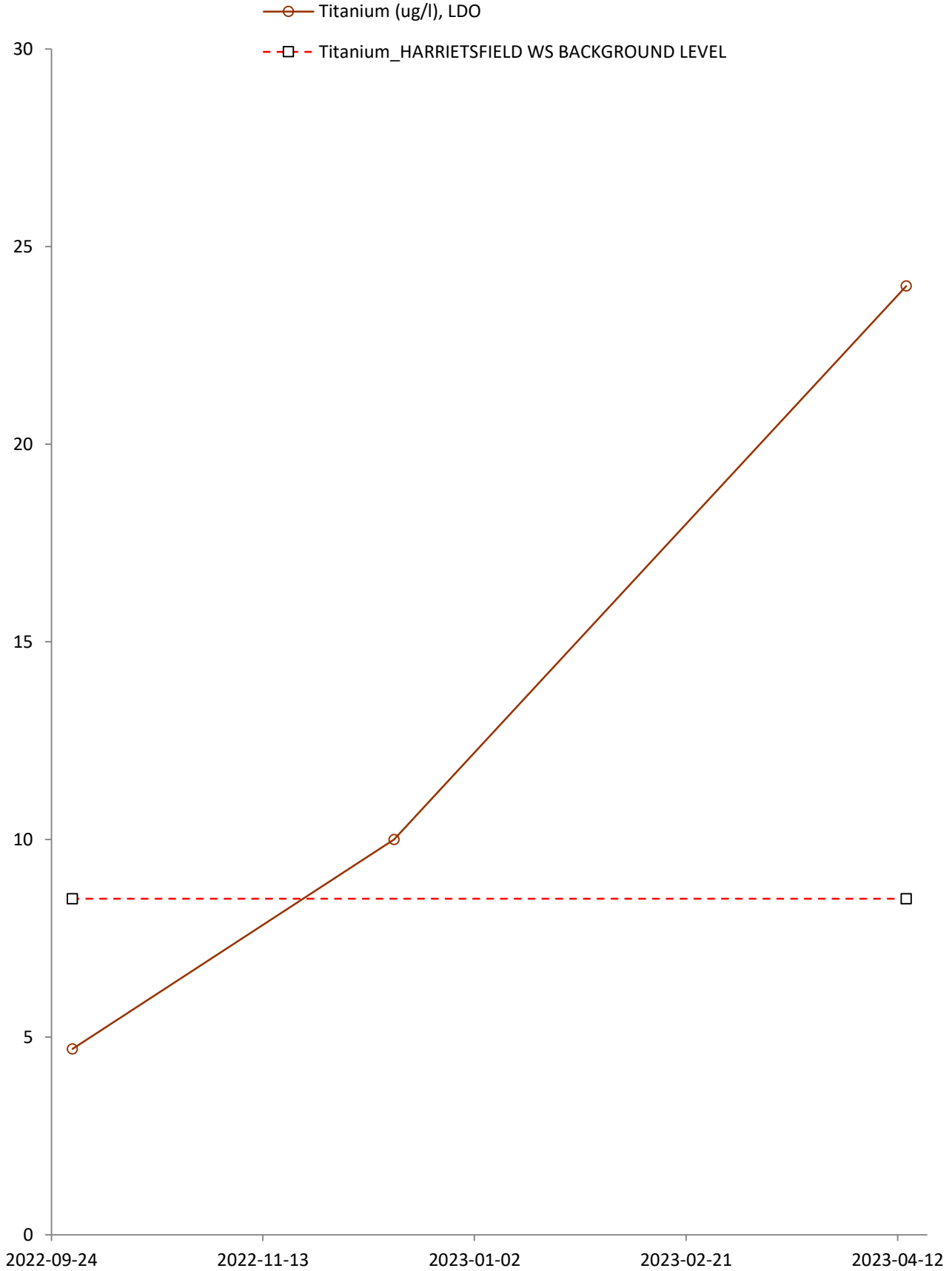


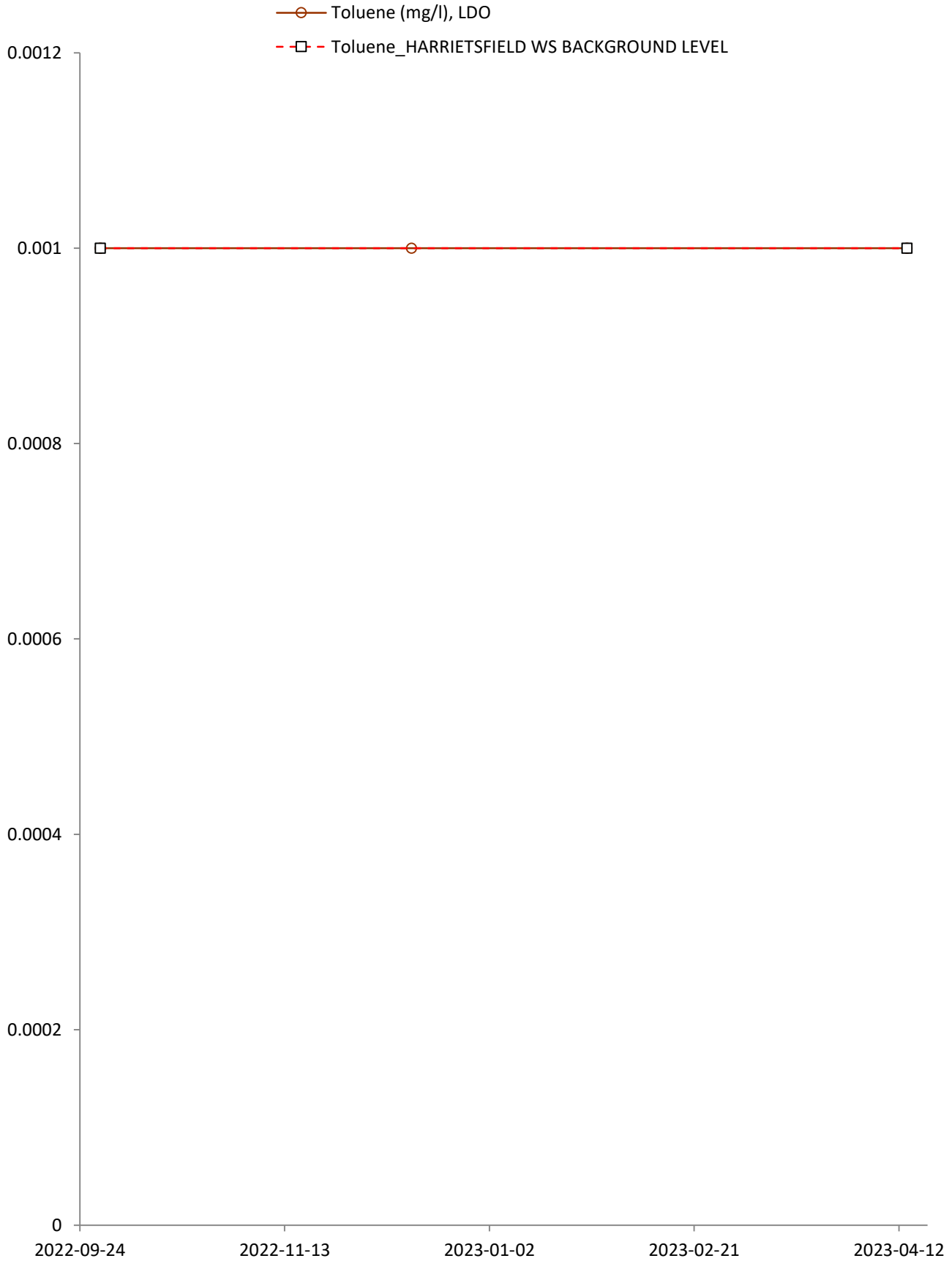


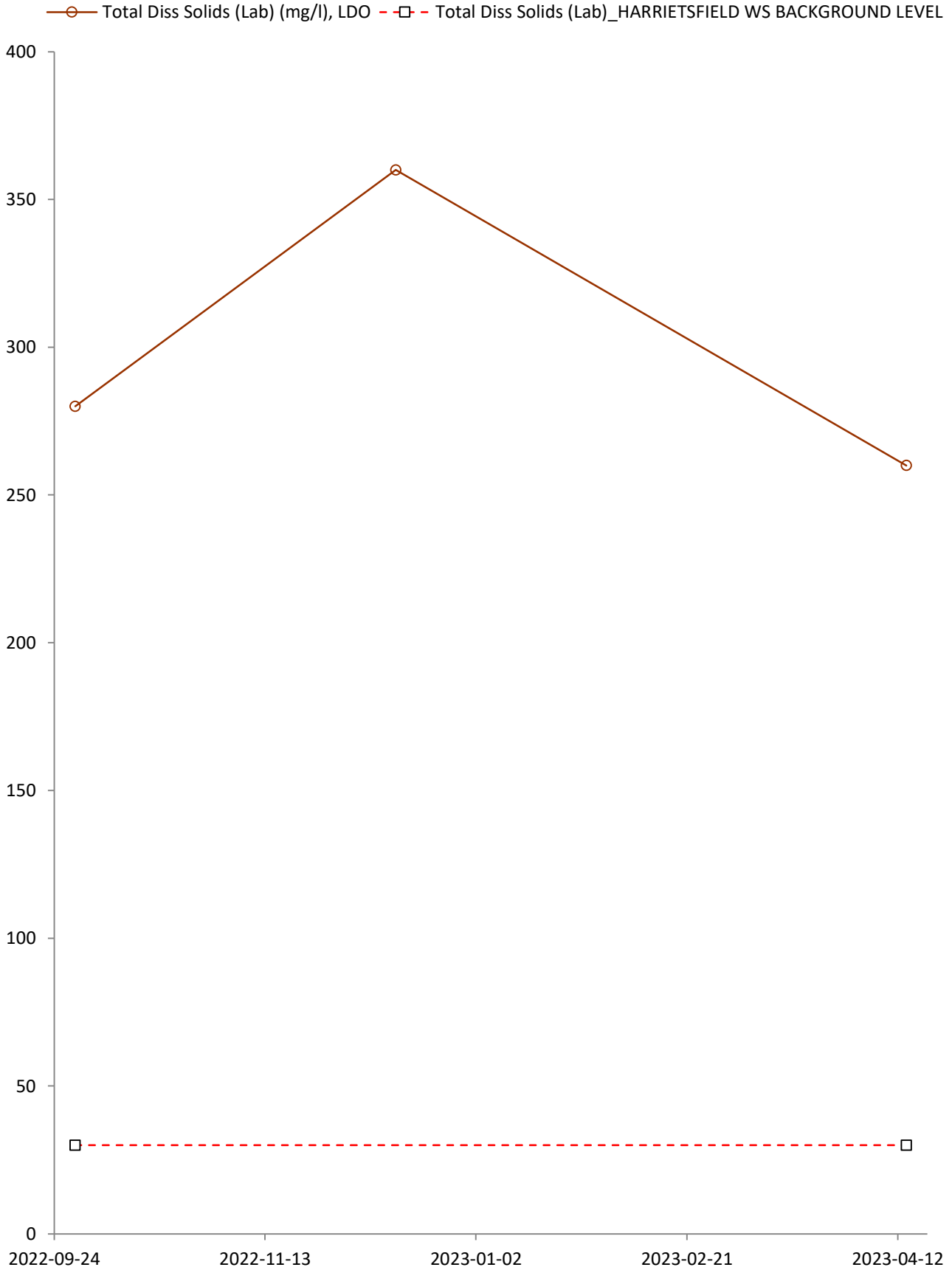


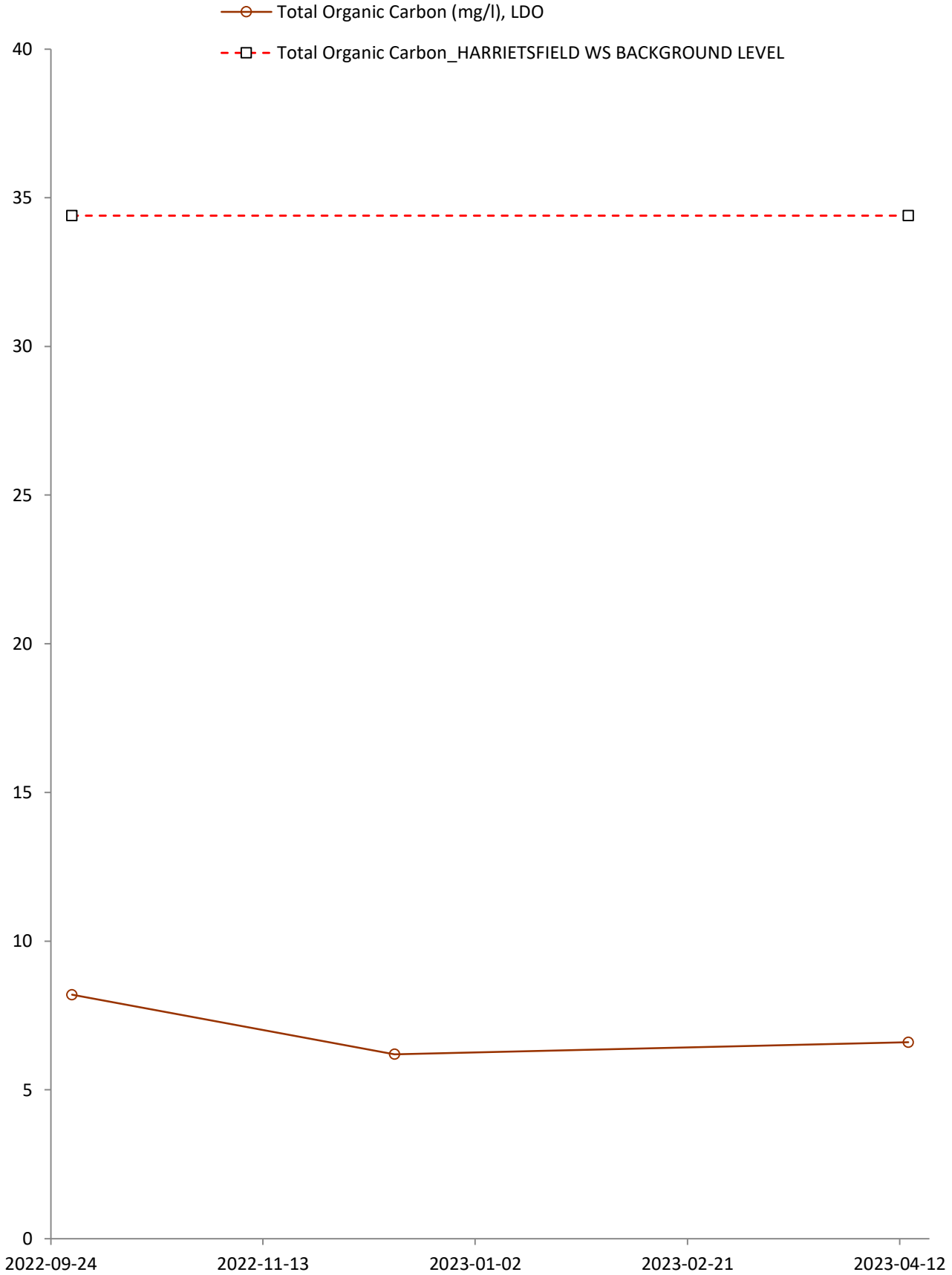


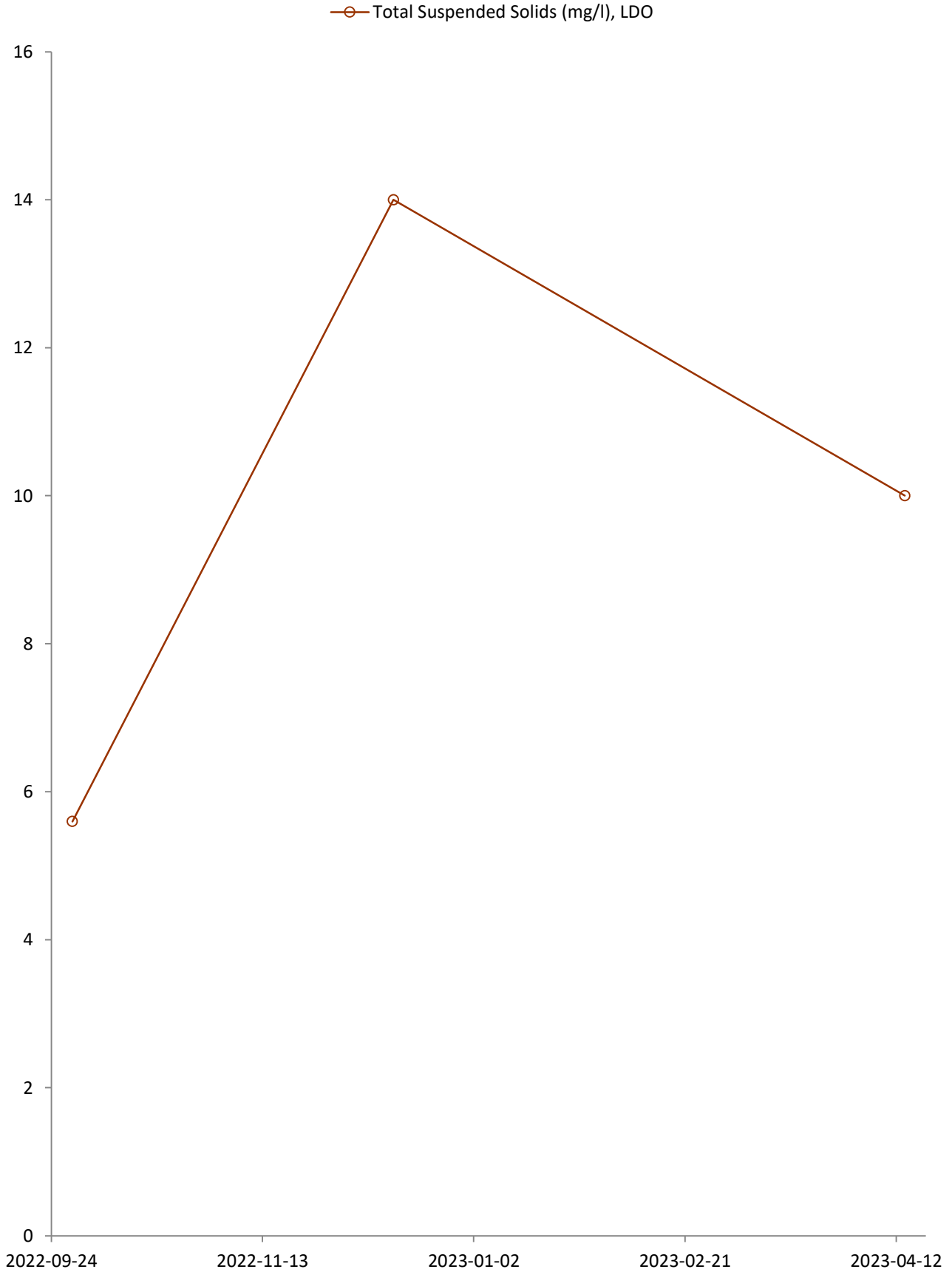


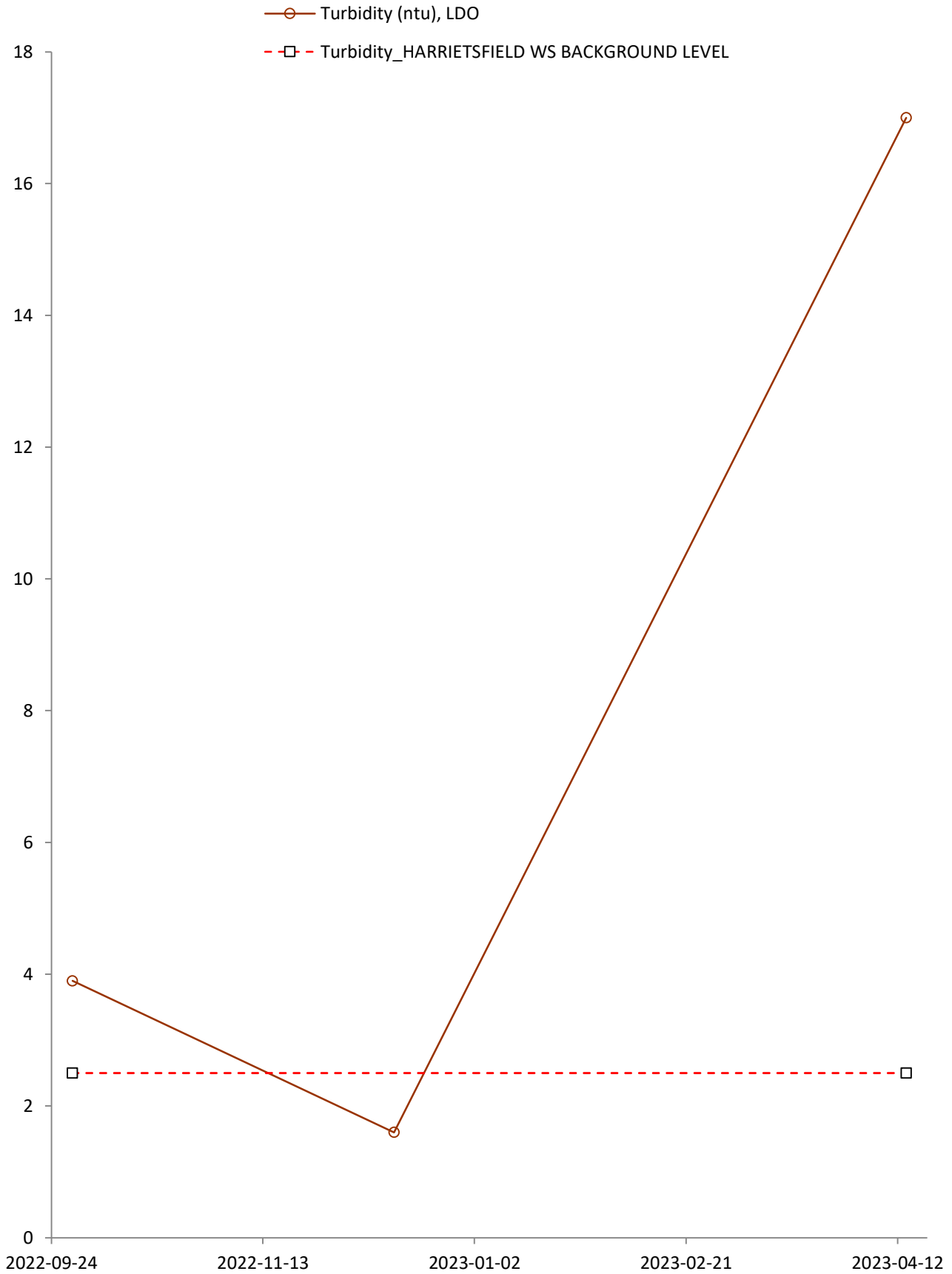


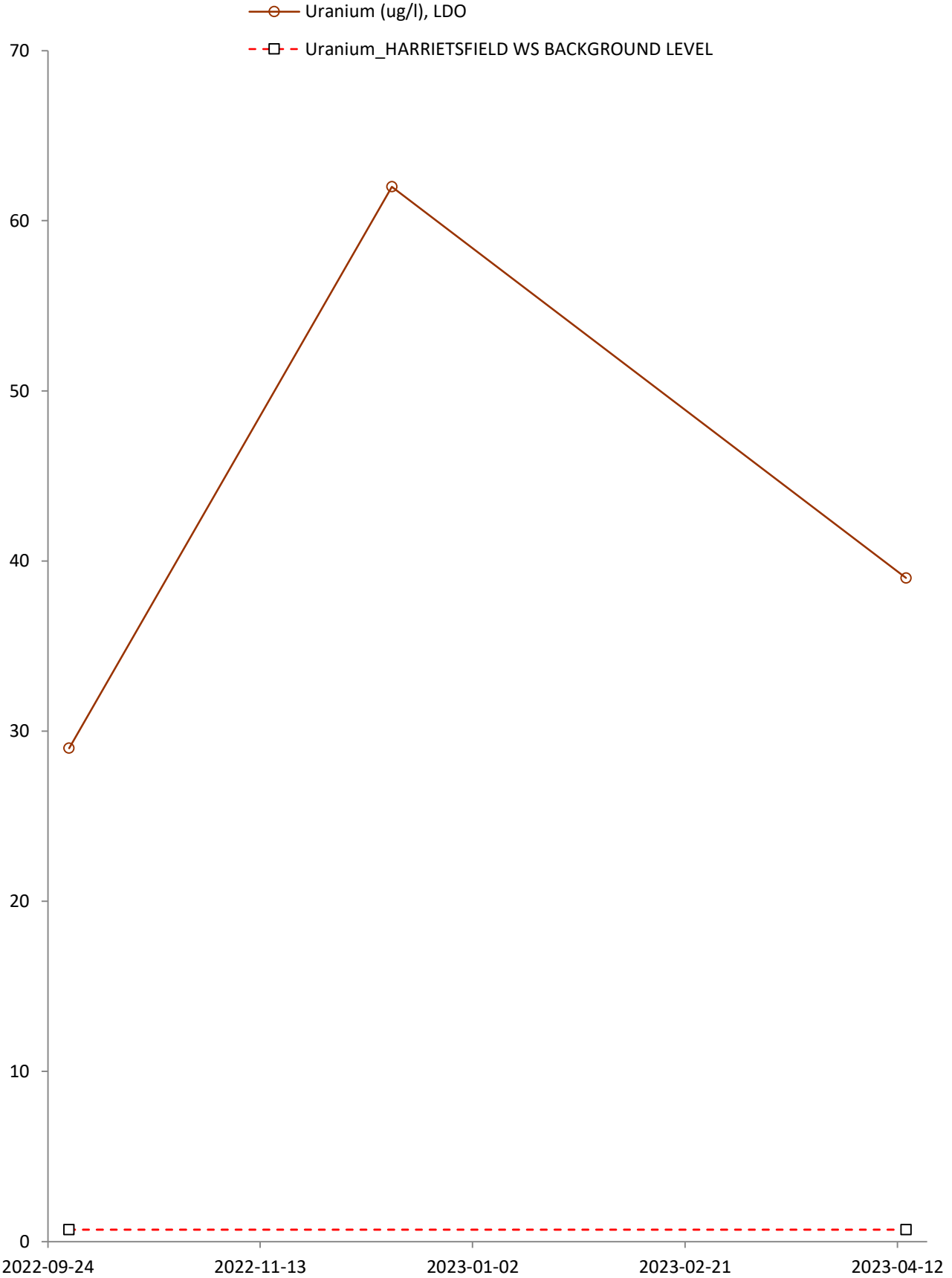


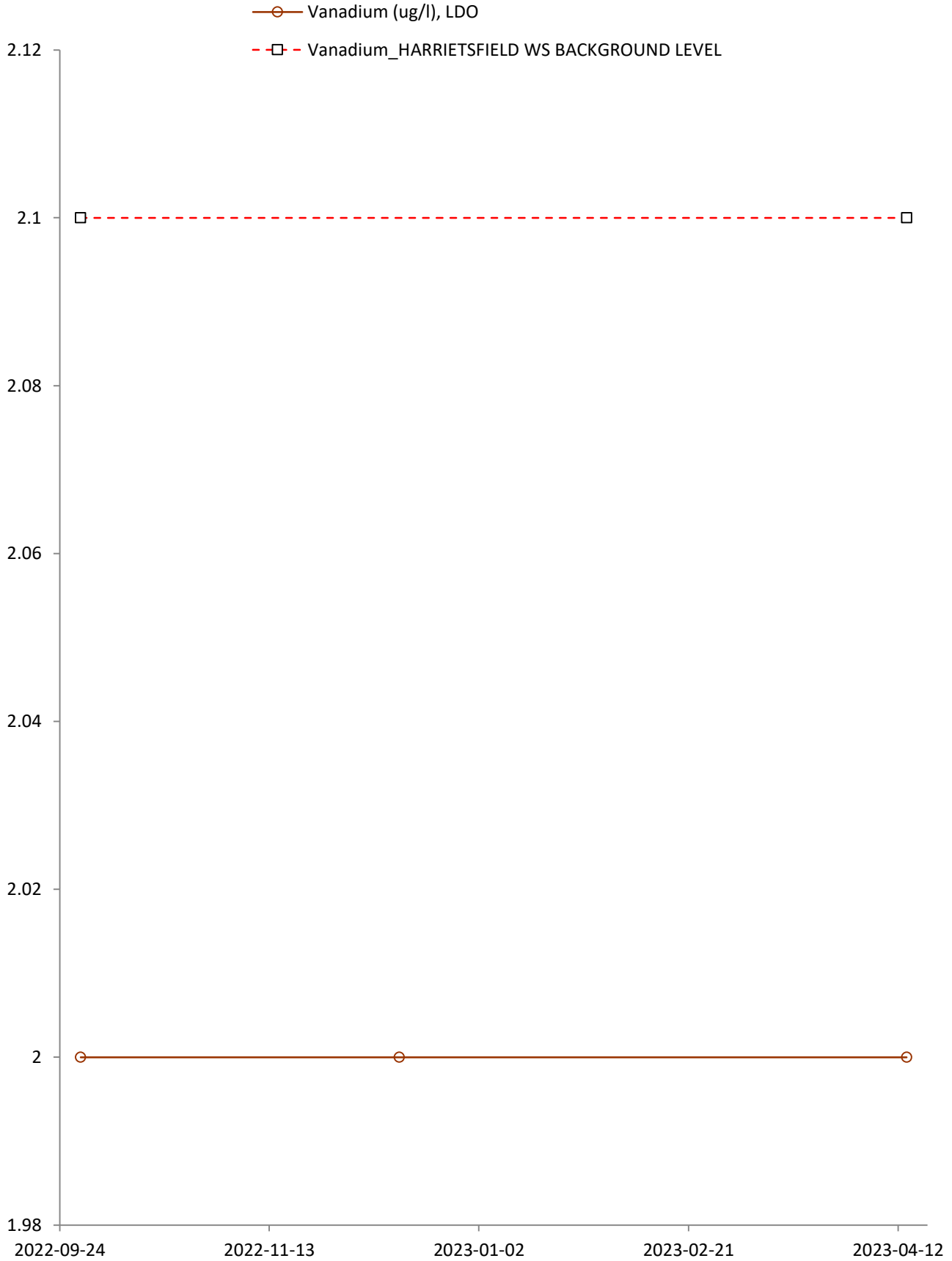


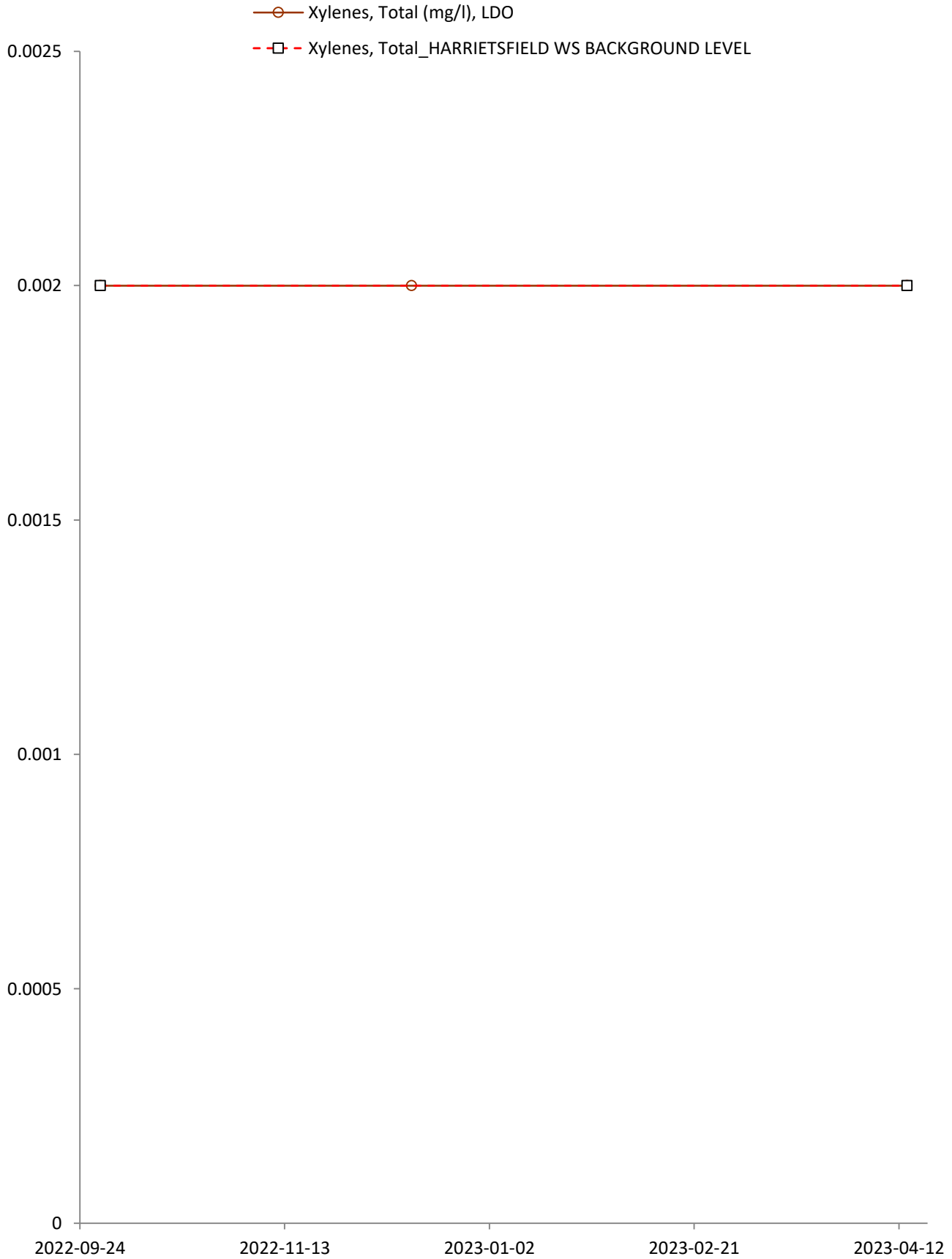


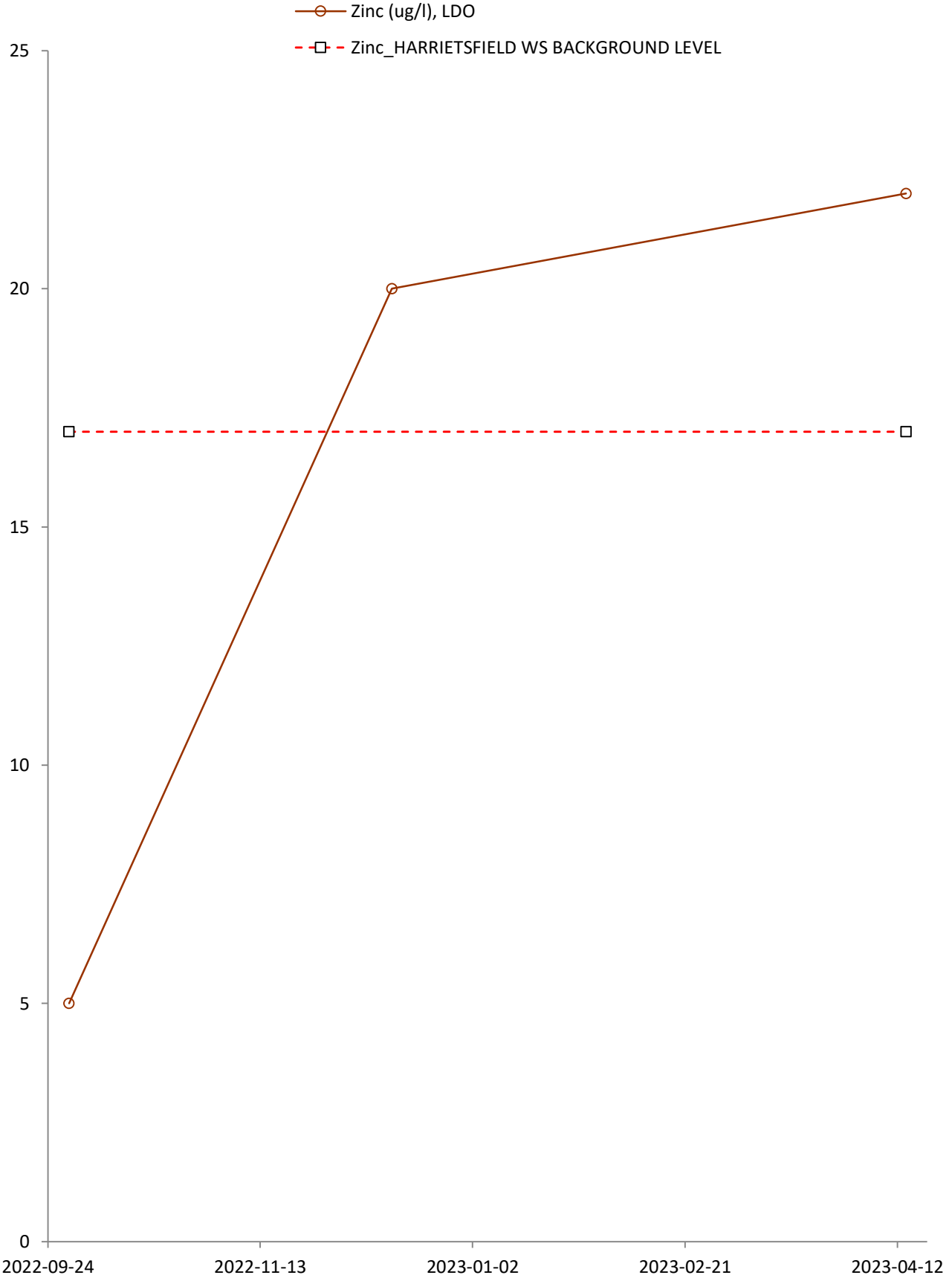












Appendix G. Mann-Kendall Evaluation and Narrative

Trend Analysis:

All identified outliers were excluded from the trend analysis, which was performed using Mann-Kendall to determine if there is an upward or downward trend in the dataset at the 95% confidence level. All Trend Analysis data was performed by Earthsoft’s EQUIS Professional using the Analytical Statistics (by location) standard report. Any non-detects were taken as half the relative detection level (0.5*RDL). Below outlines the statistical parameters provided and what the definition and/or calculation is for each parameter.

Statistical Parameter	Definition/Calculation
Mean	The mean is the average of the results.
UCL	The Student T distribution is used to calculate the Upper Confidence Level as $UCL = Mean + t *SD/N$, t= Student t, SD= stdev, N= number of results
Median	Median is the value which divides a data set in two halves – one with values lower than the median and the other with the higher values.
Standard Deviation	<p>The standard deviation is a statistic that measures the dispersion of a dataset relative to its mean and is calculated as the square root of the variance.</p> $Standard\ Deviation = \sqrt{\frac{1}{n-1} \sum_{i=1}^n (x_i - \bar{x})^2}$ <p>where: xi=Value of the ith point in the data set x=The mean value of the data set n=The number of data points in the data set</p>
Coefficient of Variation	<p>coefficient of variation. It is equal to the standard deviation, divided by the mean.</p> $Coefficient\ of\ variation = SD / \bar{x}$
Skewness	<p>Skewness represents an imbalance and asymmetry from the mean of a data distribution.</p> $\frac{n}{(n-1)(n-2)} \sum \left(\frac{x_i - \bar{x}}{s} \right)^3$
Minimum	Minimum is the smallest result
Maximum	Maximum is the largest result
Count (n)	Count (n) provides the number of results

Statistical Parameter	Definition/Calculation
Mann-Kendall S	<p>The Mann Kendall S score is essentially the net number of point-pairs indicating an upward trend. A positive S score indicates the possibility of an upward trend, negative indicates a possible downward trend and 0 no trend. It is computed as follows: The difference between the later-measured value and all earlier-measured values, $(y_j - y_i)$, where $j > i$, are compared and assigned the integer value of 1, 0, or -1 to positive differences, no differences, and negative differences, respectively. The test statistic, S, is then computed as the sum of the integers: the S equation where $\text{sign}(y_j - y_i)$, is equal to +1, 0, or -1 as indicated above ($n \geq 3$).</p> $S = \sum_{i=1}^{n-1} \sum_{j=i+1}^n \text{sign}(y_j - y_i)$
Confidence_95%	<p>A statistical test is applied to determine whether the Mann-Kendall S score is sufficiently large to indicate that the trend hypothesis is accepted for a preset level of probability. For this report, the Mann-Kendall was used to determine whether a trend was statistically significant at a 0.05 significance level, corresponding to a confidence level of 95% for a two-sided probability. If the trend is determined to not be statistically significant 'No Trend' is indicated.</p>

MW19-03D (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	94.14	96.54	95.50	5.07	0.05	-0.72	84.00	100.00	14	-30	No Trend
Arsenic	(ug/l)	3.97	4.47	4.20	1.02	0.26	-2.33	1.00	5.00	13	43	Positive Trend
Boron	(ug/l)	33.07	36.69	30.00	7.64	0.23	2.34	30.00	53.00	14	-36	Negative Trend
Cadmium	(ug/l)	0.007	0.01	0.005	0.007	1.03	3.61	0.005	0.03	13	-10	No Trend
Calcium	(ug/l)	22,042.86	23,050.98	22,000.00	2,129.90	0.10	-2.76	15,200.00	24,400.00	14	-20	No Trend
Chloride ion	(mg/l)	7.31	7.84	7.40	1.11	0.15	-0.53	5.00	9.10	14	19	No Trend
Chromium	(ug/l)	0.89	1.28	0.50	0.81	0.91	1.91	0.50	3.00	14	-31	Negative Trend
Cobalt	(ug/l)	0.20	0.20	0.20	0.00	0.00	--	0.20	0.20	14	0	No Trend
Electrical Conductivity	(umhos/cm)	209.64	214.26	210.00	9.75	0.05	-0.28	190.00	226.00	14	-30	Negative Trend
Hardness (as CaCO3)	(mg/l)	68.21	71.39	69.50	6.70	0.10	-3.04	46.20	75.20	14	-21	No Trend
Iron	(ug/l)	30.00	30.00	30.00	0.00	0.00	--	30.00	30.00	13	0	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	14	0	No Trend
Manganese	(ug/l)	16.68	23.23	13.00	13.84	0.83	0.86	1.00	43.00	14	-45	Negative Trend
Modified TPH Tier 1	(mg/l)	0.05	0.06	0.05	0.02	0.40	3.74	0.05	0.12	14	7	No Trend
pH, Lab	(ph units)	8.05	8.10	8.07	0.11	0.01	-0.52	7.82	8.19	14	12	No Trend
Sulphate	(mg/l)	5.18	5.74	4.80	1.13	0.22	1.55	4.00	8.00	13	14	No Trend
Total Diss Solids (Lab)	(mg/l)	121.07	123.32	120.00	4.75	0.04	1.06	112.00	132.00	14	-20	No Trend
Total Organic Carbon	(mg/l)	0.91	1.53	0.38	1.32	1.45	2.89	0.25	5.10	14	6	No Trend
Uranium	(ug/l)	19.57	21.68	17.50	4.46	0.23	1.45	15.00	30.50	14	-66	Negative Trend

MW19-095 (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	115.93	129.01	100.00	27.63	0.24	1.70	92.00	190.00	14	16	No Trend
Arsenic	(ug/l)	1.70	2.02	1.45	0.67	0.40	1.10	1.00	3.00	14	-39	Negative Trend
Boron	(ug/l)	32.86	37.00	30.00	8.74	0.27	2.03	23.00	53.00	14	11	No Trend
Cadmium	(ug/l)	0.01	0.01	0.005	0.008	0.74	1.03	0.005	0.03	14	-27	No Trend
Calcium	(ug/l)	32,992.86	37,573.08	30,200.00	9,676.81	0.29	2.11	23,000.00	61,000.00	14	11	No Trend
Chloride ion	(mg/l)	7.03	7.56	7.05	1.13	0.16	-0.29	5.00	8.70	14	18	No Trend
Chromium	(ug/l)	1.44	2.19	0.50	1.57	1.09	1.57	0.50	5.40	14	-29	Negative Trend
Cobalt	(ug/l)	0.45	0.70	0.20	0.52	1.17	2.02	0.20	1.80	14	0	No Trend
Electrical Conductivity	(umhos/cm)	277.21	314.77	250.00	79.35	0.29	1.51	200.00	480.00	14	18	No Trend
Hardness (as CaCO3)	(mg/l)	101.62	116.13	94.00	30.65	0.30	2.12	69.00	190.00	14	13	No Trend
Iron	(ug/l)	39.54	52.36	30.00	25.94	0.66	2.97	30.00	120.00	13	15	No Trend
Lead	(ug/l)	0.42	0.72	0.25	0.63	1.50	3.74	0.25	2.60	14	-3	No Trend
Manganese	(ug/l)	16.69	35.26	4.70	37.56	2.25	3.44	1.00	140.00	13	-36	Negative Trend
Modified TPH Tier 1	(mg/l)	0.05	0.05	0.05	0.00	0.00	--	0.05	0.05	14	0	No Trend
pH, Lab	(ph units)	8.02	8.08	8.03	0.11	0.01	-0.96	7.76	8.16	14	25	No Trend
Sulphate	(mg/l)	18.00	24.20	13.00	13.10	0.73	1.38	6.00	49.00	14	34	Positive Trend
Total Diss Solids (Lab)	(mg/l)	161.86	183.52	145.00	45.77	0.28	1.55	118.00	280.00	14	16	No Trend
Total Organic Carbon	(mg/l)	21.72	29.48	30.00	13.39	0.62	-1.07	0.30	30.00	10	20	No Trend
Uranium	(ug/l)	5.15	6.00	5.25	1.80	0.35	-0.33	0.70	9.20	14	41	Positive Trend

MW19-10S (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	78.71	90.82	78.00	16.49	0.21	1.26	63.00	110.00	7	-10	No Trend
Arsenic	(ug/l)	0.50	0.50	0.50	0.00	0.00	--	0.50	0.50	7	0	No Trend
Boron	(ug/l)	254.14	324.75	210.00	96.14	0.38	0.30	140.00	385.00	7	-19	Negative Trend
Cadmium	(ug/l)	0.04	0.05	0.03	0.02	0.56	1.57	0.02	0.08	7	-11	No Trend
Calcium	(ug/l)	53,828.57	64,391.27	47,000.00	14,383.06	0.27	0.40	39,000.00	74,000.00	7	-11	No Trend
Chloride ion	(mg/l)	12.63	14.59	12.00	2.68	0.21	1.42	9.40	18.00	7	-5	No Trend
Chromium	(ug/l)	0.93	1.61	0.50	0.93	1.00	2.45	0.50	3.00	7	-9	No Trend
Cobalt	(ug/l)	0.46	0.96	0.20	0.68	1.49	2.65	0.20	2.00	7	-6	No Trend
Electrical Conductivity	(umhos/cm)	424.57	488.40	390.00	86.91	0.20	0.19	300.00	550.00	7	-12	No Trend
Hardness (as CaCO3)	(mg/l)	174.29	206.80	150.00	44.28	0.25	0.36	130.00	230.00	7	-13	Negative Trend
Iron	(ug/l)	30.00	30.00	30.00	0.00	0.00	--	30.00	30.00	7	0	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	7	0	No Trend
Manganese	(ug/l)	113.51	299.78	2.10	253.63	2.23	2.54	1.00	683.00	7	-16	Negative Trend
Modified TPH Tier 1	(mg/l)	0.05	0.05	0.05	7.60E-18	1.69E-16	1.37	0.05	0.05	6	0	No Trend
pH, Lab	(ph units)	7.09	7.24	7.13	0.20	0.03	-0.61	6.76	7.34	7	9	No Trend
Sulphate	(mg/l)	111.29	137.48	93.00	35.67	0.32	0.73	72.00	170.00	7	-11	No Trend
Total Diss Solids (Lab)	(mg/l)	267.71	314.55	240.00	63.77	0.24	0.94	200.00	380.00	7	-13	Negative Trend
Total Organic Carbon	(mg/l)	15.40	28.50	11.00	13.74	0.89	0.36	2.10	30.00	5	7	No Trend
Uranium	(ug/l)	4.76	6.42	4.20	2.26	0.48	0.84	2.20	8.80	7	-13	Negative Trend

MW19-11D (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	873.85	939.34	890.00	132.51	0.15	-0.27	620.00	1,080.00	13	-49	Negative Trend
Arsenic	(ug/l)	22.08	27.39	21.50	10.23	0.46	-0.23	5.00	40.00	12	16	No Trend
Boron	(ug/l)	4,890.00	5,732.06	5,300.00	1,703.76	0.35	-0.05	2,100.00	7,720.00	13	-60	Negative Trend
Cadmium	(ug/l)	0.12	0.17	0.05	0.11	0.99	1.13	0.01	0.37	13	-52	Negative Trend
Calcium	(ug/l)	418,461.54	465,627.65	460,000.00	95,432.01	0.23	-0.36	240,000.00	560,000.00	13	-53	Negative Trend
Chloride ion	(mg/l)	32.62	36.87	36.00	8.61	0.26	-0.43	18.00	42.00	13	-61	Negative Trend
Chromium	(ug/l)	5.24	11.17	0.50	12.01	2.29	2.59	0.50	40.00	13	-19	No Trend
Cobalt	(ug/l)	12.17	14.05	12.00	3.80	0.31	0.65	6.70	20.00	13	-65	Negative Trend
Electrical Conductivity	(umhos/cm)	2,325.38	2,546.79	2,500.00	447.97	0.19	-0.29	1,500.00	2,960.00	13	-61	Negative Trend
Hardness (as CaCO3)	(mg/l)	1,325.38	1,485.56	1,400.00	324.08	0.24	-0.18	750.00	1,800.00	13	-58	Negative Trend
Iron	(ug/l)	10,117.69	12,178.78	11,000.00	4,170.24	0.41	-1.38	30.00	14,900.00	13	-5	No Trend
Lead	(ug/l)	0.28	0.32	0.25	0.10	0.35	3.61	0.25	0.60	13	-10	No Trend
Manganese	(ug/l)	19,107.69	21,440.79	20,000.00	4,720.60	0.25	0.46	12,000.00	29,000.00	13	-56	Negative Trend
Modified TPH Tier 1	(mg/l)	0.07	0.10	0.05	0.06	0.92	2.80	0.05	0.26	12	-15	No Trend
pH, Lab	(ph units)	7.23	7.33	7.23	0.21	0.03	0.35	6.97	7.55	13	41	Positive Trend
Sulphate	(mg/l)	516.62	606.72	560.00	182.32	0.35	-0.04	230.00	775.00	13	-69	Negative Trend
Total Diss Solids (Lab)	(mg/l)	1,688.46	1,887.57	1,800.00	402.86	0.24	-0.35	980.00	2,200.00	13	-66	Negative Trend
Total Organic Carbon	(mg/l)	29.32	35.89	26.00	13.30	0.45	2.00	17.00	65.00	13	-50	Negative Trend
Uranium	(ug/l)	358.77	425.14	380.00	134.28	0.37	0.26	150.00	597.00	13	-59	Negative Trend

MW19-11M (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	570.69	669.16	540.00	199.24	0.35	1.56	350.00	1,100.00	13	-55	Negative Trend
Arsenic	(ug/l)	6.45	10.69	2.10	8.59	1.33	2.19	0.50	31.00	13	4	No Trend
Boron	(ug/l)	2,930.00	3,936.22	2,800.00	2,035.90	0.69	0.90	350.00	7,600.00	13	-58	Negative Trend
Cadmium	(ug/l)	0.15	0.21	0.12	0.14	0.93	0.58	0.005	0.41	13	-31	Negative Trend
Calcium	(ug/l)	273,000.00	340,457.59	260,000.00	136,488.09	0.50	0.97	86,000.00	600,000.00	13	-57	Negative Trend
Chloride ion	(mg/l)	21.02	26.75	23.00	11.58	0.55	0.96	9.00	48.00	13	-54	Negative Trend
Chromium	(ug/l)	3.27	6.26	0.50	6.06	1.85	2.18	0.50	19.00	13	-15	No Trend
Cobalt	(ug/l)	7.45	9.72	5.60	4.59	0.62	0.76	1.20	16.00	13	-50	Negative Trend
Electrical Conductivity	(umhos/cm)	1,518.46	1,851.52	1,500.00	673.89	0.44	1.30	850.00	3,200.00	13	-49	Negative Trend
Hardness (as CaCO3)	(mg/l)	871.54	1,092.91	830.00	447.90	0.51	0.82	260.00	1,900.00	13	-56	Negative Trend
Iron	(ug/l)	4,858.46	7,119.76	4,100.00	4,575.33	0.94	1.00	450.00	15,000.00	13	-6	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	13	0	No Trend
Manganese	(ug/l)	14,807.69	18,163.63	14,000.00	6,790.12	0.46	0.02	3,600.00	26,000.00	13	-48	Negative Trend
Modified TPH Tier 1	(mg/l)	0.08	0.15	0.05	0.13	1.57	3.46	0.05	0.49	12	-7	No Trend
pH, Lab	(ph units)	7.26	7.36	7.22	0.19	0.03	0.21	7.00	7.56	13	53	Positive Trend
Sulphate	(mg/l)	299.38	407.90	290.00	219.56	0.73	1.11	87.00	820.00	13	-58	Negative Trend
Total Diss Solids (Lab)	(mg/l)	1,063.08	1,335.89	1,000.00	551.99	0.52	1.12	430.00	2,400.00	13	-55	Negative Trend
Total Organic Carbon	(mg/l)	33.27	38.99	32.90	11.58	0.35	0.45	18.00	55.00	13	-22	No Trend
Uranium	(ug/l)	186.85	258.57	170.00	145.12	0.78	1.38	18.00	560.00	13	-54	Negative Trend

MW19-12D (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	127.85	141.31	130.00	27.25	0.21	0.75	90.00	190.00	13	35	Positive Trend
Arsenic	(ug/l)	1.63	2.00	1.80	0.75	0.46	-0.58	0.50	2.70	13	16	No Trend
Boron	(ug/l)	96.85	110.07	92.00	26.75	0.28	1.72	67.00	164.00	13	-33	Negative Trend
Cadmium	(ug/l)	0.11	0.13	0.10	0.03	0.23	0.60	0.08	0.16	13	-19	No Trend
Calcium	(ug/l)	52,300.00	57,505.32	49,000.00	10,532.01	0.20	1.11	39,000.00	78,000.00	13	27	No Trend
Chloride ion	(mg/l)	10.32	11.82	11.00	3.04	0.29	-0.14	6.30	14.00	13	15	No Trend
Chromium	(ug/l)	0.65	0.87	0.50	0.43	0.65	3.08	0.50	2.00	13	-21	Negative Trend
Cobalt	(ug/l)	0.25	0.30	0.20	0.12	0.48	2.53	0.20	0.58	13	-1	No Trend
Electrical Conductivity	(umhos/cm)	366.77	390.45	364.00	47.92	0.13	0.92	304.00	480.00	13	42	Positive Trend
Hardness (as CaCO3)	(mg/l)	165.85	180.26	160.00	29.17	0.18	1.29	130.00	240.00	13	35	Positive Trend
Iron	(ug/l)	252.69	355.18	220.00	207.36	0.82	0.37	30.00	590.00	13	-7	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	13	0	No Trend
Manganese	(ug/l)	62.32	95.77	34.00	67.68	1.09	1.44	1.00	207.00	13	-40	Negative Trend
Modified TPH Tier 1	(mg/l)	0.05	0.05	0.05	7.25E-18	1.48E-16	1.15	0.05	0.05	12	0	No Trend
pH, Lab	(ph units)	7.34	7.45	7.30	0.22	0.03	0.37	7.04	7.71	13	45	Positive Trend
Sulphate	(mg/l)	48.15	52.28	49.00	8.36	0.17	0.03	34.00	65.00	13	14	No Trend
Total Diss Solids (Lab)	(mg/l)	221.15	239.03	212.00	36.17	0.16	0.98	163.00	310.00	13	33	Positive Trend
Total Organic Carbon	(mg/l)	2.58	3.52	2.50	1.89	0.73	3.07	1.00	8.60	13	7	No Trend
Uranium	(ug/l)	14.94	17.46	16.00	5.11	0.34	0.11	8.20	22.00	13	18	No Trend

MW19-12S (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	176.57	199.11	190.00	30.70	0.17	-0.44	136.00	210.00	7	10	No Trend
Arsenic	(ug/l)	0.97	1.59	0.50	0.84	0.86	2.24	0.50	2.80	7	6	No Trend
Boron	(ug/l)	119.86	169.02	94.00	66.94	0.56	0.40	30.00	220.00	7	-13	Negative Trend
Cadmium	(ug/l)	0.07	0.12	0.05	0.07	0.91	2.37	0.03	0.22	7	3	No Trend
Calcium	(ug/l)	73,185.71	82,257.91	70,000.00	12,353.46	0.17	1.04	61,000.00	96,000.00	7	3	No Trend
Chloride ion	(mg/l)	7.73	11.17	6.30	4.69	0.61	2.28	4.50	18.00	7	-17	Negative Trend
Chromium	(ug/l)	0.71	1.13	0.50	0.57	0.79	2.65	0.50	2.00	7	-6	No Trend
Cobalt	(ug/l)	0.70	1.33	0.20	0.85	1.22	1.23	0.20	2.00	7	-5	No Trend
Electrical Conductivity	(umhos/cm)	441.71	488.55	450.00	63.77	0.14	0.96	372.00	560.00	7	4	No Trend
Hardness (as CaCO3)	(mg/l)	213.57	239.60	210.00	35.44	0.17	1.05	175.00	280.00	7	5	No Trend
Iron	(ug/l)	49.29	77.77	30.00	38.79	0.79	2.21	30.00	133.00	7	-3	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	7	0	No Trend
Manganese	(ug/l)	137.83	321.78	3.10	250.49	1.82	1.89	1.00	652.00	7	-2	No Trend
Modified TPH Tier 1	(mg/l)	0.05	0.05	0.05	7.60E-18	1.69E-16	1.37	0.05	0.05	6	0	No Trend
pH, Lab	(ph units)	7.70	7.84	7.74	0.19	0.02	-0.49	7.38	7.95	7	13	Positive Trend
Sulphate	(mg/l)	45.43	59.55	44.00	19.23	0.42	0.68	26.00	72.00	7	-9	No Trend
Total Diss Solids (Lab)	(mg/l)	263.00	294.81	260.00	43.32	0.16	0.69	210.00	340.00	7	2	No Trend
Total Organic Carbon	(mg/l)	7.90	11.44	7.55	4.30	0.54	0.73	2.80	15.00	6	1	No Trend
Uranium	(ug/l)	3.43	4.32	3.20	1.21	0.35	1.45	2.30	5.80	7	-7	No Trend

MW19-13D (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	27.14	34.57	23.50	15.70	0.58	3.36	17.00	80.00	14	-33	Negative Trend
Arsenic	(ug/l)	0.73	0.88	0.50	0.32	0.45	0.80	0.50	1.30	14	48	Positive Trend
Boron	(ug/l)	216.57	237.53	225.00	44.29	0.20	-2.66	76.00	271.00	14	-19	No Trend
Cadmium	(ug/l)	0.13	0.15	0.14	0.04	0.31	-2.25	0.009	0.17	14	47	Positive Trend
Calcium	(ug/l)	15,435.71	16,553.88	16,000.00	2,362.40	0.15	-2.01	8,300.00	19,400.00	14	7	No Trend
Chloride ion	(mg/l)	11.13	12.09	11.00	2.04	0.18	0.93	8.00	16.00	14	14	No Trend
Chromium	(ug/l)	0.50	0.50	0.50	0.00	0.00	--	0.50	0.50	14	0	No Trend
Cobalt	(ug/l)	1.10	1.72	0.64	1.29	1.17	2.58	0.20	5.10	14	-35	Negative Trend
Electrical Conductivity	(umhos/cm)	210.36	218.84	210.00	17.93	0.09	2.11	190.00	264.00	14	-31	Negative Trend
Hardness (as CaCO3)	(mg/l)	56.04	60.20	57.00	8.80	0.16	-2.78	27.70	66.60	14	22	No Trend
Iron	(ug/l)	30.00	30.00	30.00	0.00	0.00	--	30.00	30.00	14	0	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	14	0	No Trend
Manganese	(ug/l)	91.92	115.17	81.00	47.03	0.51	0.87	34.00	175.00	13	-37	Negative Trend
Modified TPH Tier 1	(mg/l)	0.05	0.05	0.05	0.00	0.00	--	0.05	0.05	13	0	No Trend
pH, Lab	(ph units)	6.83	7.01	6.83	0.38	0.06	1.00	6.32	7.76	14	-5	No Trend
Sulphate	(mg/l)	54.86	57.45	56.00	5.48	0.10	-1.74	41.00	60.00	14	11	No Trend
Total Diss Solids (Lab)	(mg/l)	134.86	140.31	135.00	11.51	0.09	-0.02	114.00	157.00	14	9	No Trend
Total Organic Carbon	(mg/l)	2.33	2.66	2.50	0.70	0.30	-1.62	0.75	3.40	14	-10	No Trend
Uranium	(ug/l)	2.99	3.94	2.40	2.00	0.67	3.67	2.20	9.90	14	2	No Trend

MW19-13S (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	6.12	7.18	6.20	2.15	0.35	-0.12	3.00	9.20	13	12	No Trend
Arsenic	(ug/l)	0.50	0.50	0.50	0.00	0.00	--	0.50	0.50	13	0	No Trend
Boron	(ug/l)	276.15	312.00	270.00	72.53	0.26	0.39	142.00	437.00	13	-26	No Trend
Cadmium	(ug/l)	0.15	0.18	0.13	0.06	0.39	0.83	0.07	0.27	13	-5	No Trend
Calcium	(ug/l)	13,446.15	15,725.43	12,500.00	4,611.69	0.34	2.98	9,100.00	28,000.00	13	-43	Negative Trend
Chloride ion	(mg/l)	11.52	13.15	10.00	3.31	0.29	1.12	7.00	18.00	13	-19	No Trend
Chromium	(ug/l)	0.50	0.50	0.50	0.00	0.00	--	0.50	0.50	13	0	No Trend
Cobalt	(ug/l)	2.40	3.44	2.00	2.11	0.88	2.88	0.93	9.00	13	-42	Negative Trend
Electrical Conductivity	(umhos/cm)	181.54	205.88	173.00	49.26	0.27	2.51	130.00	330.00	13	-56	Negative Trend
Hardness (as CaCO3)	(mg/l)	54.05	63.00	50.00	18.10	0.33	2.76	36.00	110.00	13	-55	Negative Trend
Iron	(ug/l)	385.69	639.93	127.00	514.41	1.33	2.01	30.00	1,800.00	13	47	Positive Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	13	0	No Trend
Manganese	(ug/l)	423.00	597.06	300.00	352.18	0.83	1.55	89.00	1,200.00	13	14	No Trend
Modified TPH Tier 1	(mg/l)	0.05	0.07	0.05	0.03	0.55	3.61	0.05	0.15	13	-6	No Trend
pH, Lab	(ph units)	5.88	6.00	5.89	0.24	0.04	0.25	5.56	6.35	13	17	No Trend
Sulphate	(mg/l)	57.92	70.68	52.00	25.82	0.45	3.06	39.00	140.00	13	-37	Negative Trend
Total Diss Solids (Lab)	(mg/l)	108.08	126.86	100.00	38.01	0.35	3.15	79.00	230.00	13	-30	Negative Trend
Total Organic Carbon	(mg/l)	17.63	24.58	11.10	14.05	0.80	1.68	4.30	55.00	13	25	No Trend
Uranium	(ug/l)	0.25	0.30	0.22	0.10	0.41	1.32	0.13	0.50	13	-41	Negative Trend

MW1-D (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	797.28	843.02	768.50	111.52	0.14	1.30	650.00	1,100.00	18	26	No Trend
Arsenic	(ug/l)	3.39	4.12	3.15	1.54	0.46	0.34	1.00	6.00	14	4	No Trend
Boron	(ug/l)	6,221.67	6,806.96	6,095.00	1,427.11	0.23	0.80	4,400.00	9,200.00	18	-110	Negative Trend
Cadmium	(ug/l)	1.71	2.14	1.40	1.05	0.61	2.19	0.62	5.10	18	-10	No Trend
Calcium	(ug/l)	352,000.00	365,584.01	336,000.00	33,121.88	0.09	0.64	310,000.00	427,000.00	18	7	No Trend
Chloride ion	(mg/l)	44.72	53.01	35.00	20.20	0.45	1.45	29.00	87.00	18	-65	Negative Trend
Chromium	(ug/l)	5.04	9.43	0.50	9.28	1.84	1.81	0.50	28.00	14	-8	No Trend
Cobalt	(ug/l)	12.17	13.97	11.00	4.40	0.36	1.41	7.40	23.00	18	-88	Negative Trend
Electrical Conductivity	(umhos/cm)	2,353.33	2,415.15	2,400.00	150.72	0.06	0.15	2,100.00	2,700.00	18	-31	No Trend
Hardness (as CaCO3)	(mg/l)	1,326.11	1,374.35	1,300.00	117.63	0.09	0.61	1,200.00	1,590.00	18	-28	No Trend
Iron	(ug/l)	2,211.18	2,958.84	2,100.00	1,765.59	0.80	0.53	30.00	5,700.00	17	-44	Negative Trend
Lead	(ug/l)	0.52	0.67	0.55	0.31	0.59	1.25	0.25	1.30	14	-11	No Trend
Manganese	(ug/l)	8,111.67	8,504.93	8,250.00	958.90	0.12	-0.66	5,670.00	9,900.00	18	10	No Trend
Modified TPH Tier 1	(mg/l)	0.05	0.05	0.05	7.18E-18	1.60E-16	-1.11	0.05	0.05	15	0	No Trend
pH, Lab	(ph units)	6.94	7.03	6.97	0.22	0.03	-0.68	6.46	7.23	18	83	Positive Trend
Sulphate	(mg/l)	649.61	680.00	640.00	74.10	0.11	0.10	535.00	770.00	18	-65	Negative Trend
Total Diss Solids (Lab)	(mg/l)	1,762.78	1,824.67	1,800.00	150.91	0.09	0.03	1,500.00	2,000.00	18	-34	No Trend
Total Organic Carbon	(mg/l)	19.97	23.46	20.50	8.49	0.43	-0.86	0.30	34.40	18	-39	No Trend
Uranium	(ug/l)	828.56	881.05	820.00	128.00	0.15	0.39	630.00	1,100.00	18	-57	Negative Trend

MW1-S (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	460.13	534.25	400.00	163.00	0.35	0.30	190.00	740.00	15	56	Positive Trend
Arsenic	(ug/l)	1.16	1.61	0.50	0.94	0.81	1.21	0.50	3.10	14	45	Positive Trend
Boron	(ug/l)	3,175.33	3,800.36	3,100.00	1,374.62	0.43	0.66	1,400.00	6,100.00	15	-6	No Trend
Cadmium	(ug/l)	0.09	0.13	0.06	0.07	0.79	1.10	0.03	0.23	15	-63	Negative Trend
Calcium	(ug/l)	243,666.67	292,055.55	220,000.00	106,422.12	0.44	1.24	100,000.00	510,000.00	15	36	Positive Trend
Chloride ion	(mg/l)	25.00	29.61	26.00	10.14	0.41	-0.03	8.00	43.00	15	-16	No Trend
Chromium	(ug/l)	2.64	4.58	0.50	4.09	1.55	2.04	0.50	12.00	14	5	No Trend
Cobalt	(ug/l)	2.49	3.08	2.25	1.26	0.51	0.005	0.50	4.30	14	-15	No Trend
Electrical Conductivity	(umhos/cm)	1,477.93	1,729.82	1,300.00	553.98	0.37	0.73	610.00	2,700.00	15	35	Positive Trend
Hardness (as CaCO3)	(mg/l)	822.67	980.70	740.00	347.57	0.42	1.22	360.00	1,700.00	15	23	No Trend
Iron	(ug/l)	1,043.47	1,689.76	260.00	1,421.40	1.36	2.12	30.00	5,300.00	15	44	Positive Trend
Lead	(ug/l)	0.72	1.13	0.25	0.88	1.22	1.69	0.25	2.80	15	16	No Trend
Manganese	(ug/l)	4,166.40	6,139.61	2,600.00	4,339.70	1.04	1.55	206.00	15,000.00	15	29	No Trend
Modified TPH Tier 1	(mg/l)	0.05	0.05	0.05	7.25E-18	1.61E-16	1.15	0.05	0.05	12	0	No Trend
pH, Lab	(ph units)	7.48	7.66	7.54	0.39	0.05	-0.51	6.69	8.10	15	73	Positive Trend
Sulphate	(mg/l)	317.53	370.79	320.00	117.12	0.37	0.21	120.00	540.00	15	23	No Trend
Total Diss Solids (Lab)	(mg/l)	985.13	1,136.09	950.00	332.00	0.34	0.47	420.00	1,700.00	15	32	No Trend
Total Organic Carbon	(mg/l)	27.62	36.75	28.00	19.29	0.70	1.11	0.30	78.00	14	22	No Trend
Uranium	(ug/l)	203.50	252.88	180.00	104.34	0.51	1.25	64.00	450.00	14	29	No Trend

MW20-14D (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	82.17	89.77	83.50	14.67	0.18	0.22	60.00	110.00	12	-19	No Trend
Arsenic	(ug/l)	0.50	0.50	0.50	0.00	0.00	--	0.50	0.50	12	0	No Trend
Boron	(ug/l)	269.50	295.91	267.00	50.95	0.19	0.61	200.00	370.00	12	-24	No Trend
Cadmium	(ug/l)	0.24	0.27	0.25	0.05	0.22	0.17	0.14	0.35	12	-48	Negative Trend
Calcium	(ug/l)	71,500.00	80,269.36	69,500.00	16,914.22	0.24	0.72	51,000.00	100,000.00	12	-52	Negative Trend
Chloride ion	(mg/l)	9.93	10.99	10.00	2.05	0.21	-0.34	6.00	13.00	12	27	Positive Trend
Chromium	(ug/l)	0.79	1.32	0.50	1.01	1.28	3.46	0.50	4.00	12	-11	No Trend
Cobalt	(ug/l)	0.37	0.51	0.20	0.27	0.74	1.49	0.20	1.00	12	-34	Negative Trend
Electrical Conductivity	(umhos/cm)	677.92	732.76	645.00	105.78	0.16	0.82	540.00	870.00	12	-47	Negative Trend
Hardness (as CaCO3)	(mg/l)	282.17	314.80	275.00	62.94	0.22	0.74	210.00	390.00	12	-51	Negative Trend
Iron	(ug/l)	49.42	76.17	30.00	51.59	1.04	3.24	30.00	210.00	12	-12	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	12	0	No Trend
Manganese	(ug/l)	47.61	70.05	24.50	43.29	0.91	0.89	7.30	127.00	12	-48	Negative Trend
Modified TPH Tier 1	(mg/l)	0.05	0.05	0.05	7.25E-18	1.45E-16	1.15	0.05	0.05	12	0	No Trend
pH, Lab	(ph units)	7.07	7.17	7.04	0.19	0.03	0.89	6.79	7.46	12	30	Positive Trend
Sulphate	(mg/l)	244.67	275.63	240.00	59.72	0.24	0.62	170.00	350.00	12	-46	Negative Trend
Total Diss Solids (Lab)	(mg/l)	446.00	488.84	445.00	82.63	0.19	0.51	330.00	600.00	12	-44	Negative Trend
Total Organic Carbon	(mg/l)	2.36	2.52	2.50	0.31	0.13	0.13	1.80	3.00	12	-10	No Trend
Uranium	(ug/l)	1.93	2.32	1.70	0.76	0.39	2.16	1.20	4.00	12	-25	Negative Trend

MW20-14S (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	72.00	85.64	70.00	24.97	0.35	-0.30	29.00	110.00	11	-30	Negative Trend
Arsenic	(ug/l)	0.61	0.74	0.50	0.24	0.40	1.92	0.50	1.10	11	6	No Trend
Boron	(ug/l)	140.73	182.36	130.00	76.20	0.54	-0.34	30.00	220.00	11	-26	Negative Trend
Cadmium	(ug/l)	0.05	0.05	0.04	0.01	0.28	0.27	0.03	0.07	11	-17	No Trend
Calcium	(ug/l)	42,981.82	55,860.05	43,000.00	23,571.88	0.55	0.01	6,500.00	81,000.00	11	-29	Negative Trend
Chloride ion	(mg/l)	8.26	9.57	8.40	2.39	0.29	-1.01	3.00	11.00	11	-13	No Trend
Chromium	(ug/l)	0.82	1.39	0.50	1.06	1.29	3.32	0.50	4.00	11	-10	No Trend
Cobalt	(ug/l)	1.58	2.01	1.60	0.79	0.50	0.04	0.55	2.70	11	-22	Negative Trend
Electrical Conductivity	(umhos/cm)	374.45	469.09	360.00	173.22	0.46	-0.15	81.00	660.00	11	-28	Negative Trend
Hardness (as CaCO3)	(mg/l)	154.00	198.17	160.00	80.85	0.52	-0.10	25.00	280.00	11	-28	Negative Trend
Iron	(ug/l)	219.27	328.77	180.00	200.41	0.91	0.47	30.00	550.00	11	-1	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	11	0	No Trend
Manganese	(ug/l)	162.18	231.79	150.00	127.41	0.79	1.29	11.00	460.00	11	-28	Negative Trend
Modified TPH Tier 1	(mg/l)	0.05	0.05	0.05	7.28E-18	1.62E-16	1.17	0.05	0.05	11	0	No Trend
pH, Lab	(ph units)	6.96	7.07	6.94	0.20	0.03	0.86	6.69	7.40	11	-12	No Trend
Sulphate	(mg/l)	105.09	143.34	92.00	70.01	0.67	0.42	7.00	240.00	11	-33	Negative Trend
Total Diss Solids (Lab)	(mg/l)	239.09	302.00	220.00	115.15	0.48	0.07	60.00	440.00	11	-28	Negative Trend
Total Organic Carbon	(mg/l)	5.03	6.75	5.60	2.77	0.55	0.61	2.50	9.40	9	3	No Trend
Uranium	(ug/l)	0.13	0.18	0.10	0.10	0.72	0.79	0.05	0.30	11	-25	Negative Trend

MW20-15D (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	336.17	350.24	330.00	27.14	0.08	-0.38	280.00	380.00	12	-19	No Trend
Arsenic	(ug/l)	1.29	1.51	1.40	0.41	0.32	-1.17	0.50	1.80	12	34	Positive Trend
Boron	(ug/l)	59.67	67.61	64.00	15.32	0.26	-1.28	30.00	76.00	12	-24	No Trend
Cadmium	(ug/l)	0.09	0.12	0.08	0.06	0.63	2.05	0.04	0.25	12	-34	Negative Trend
Calcium	(ug/l)	173,166.67	180,766.65	170,000.00	14,658.74	0.08	0.21	150,000.00	198,000.00	12	-28	Negative Trend
Chloride ion	(mg/l)	28.42	31.55	25.50	6.04	0.21	0.98	22.00	40.00	12	-2	No Trend
Chromium	(ug/l)	1.54	3.41	0.50	3.61	2.34	3.46	0.50	13.00	12	-11	No Trend
Cobalt	(ug/l)	0.48	0.90	0.20	0.81	1.68	3.23	0.20	3.00	12	-21	Negative Trend
Electrical Conductivity	(umhos/cm)	1,227.50	1,268.21	1,200.00	78.52	0.06	-0.37	1,100.00	1,330.00	12	-21	No Trend
Hardness (as CaCO3)	(mg/l)	606.00	629.83	595.00	45.96	0.08	0.33	540.00	692.00	12	-24	No Trend
Iron	(ug/l)	42.50	64.95	30.00	43.30	1.02	3.46	30.00	180.00	12	-9	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	12	0	No Trend
Manganese	(ug/l)	61.51	105.75	21.50	85.34	1.39	1.92	1.00	285.00	12	-43	Negative Trend
Modified TPH Tier 1	(mg/l)	0.09	0.13	0.05	0.08	0.93	2.23	0.05	0.30	12	0	No Trend
pH, Lab	(ph units)	7.64	7.75	7.62	0.22	0.03	0.37	7.36	8.00	12	37	Positive Trend
Sulphate	(mg/l)	315.08	335.51	305.00	39.39	0.13	0.96	270.00	401.00	12	-20	No Trend
Total Diss Solids (Lab)	(mg/l)	830.92	857.65	820.00	51.57	0.06	0.48	770.00	911.00	12	-27	Negative Trend
Total Organic Carbon	(mg/l)	2.82	3.18	2.55	0.69	0.25	2.43	2.20	4.80	12	-21	No Trend
Uranium	(ug/l)	277.25	300.93	258.50	45.67	0.16	0.50	210.00	360.00	12	27	Positive Trend

MW20-15S (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	247.71	283.96	230.00	49.36	0.20	0.44	200.00	320.00	7	-12	No Trend
Arsenic	(ug/l)	0.61	0.84	0.50	0.30	0.49	2.65	0.50	1.30	7	-4	No Trend
Boron	(ug/l)	160.43	178.13	150.00	24.11	0.15	0.58	130.00	200.00	7	4	No Trend
Cadmium	(ug/l)	0.04	0.05	0.03	0.02	0.60	1.94	0.02	0.09	7	-1	No Trend
Calcium	(ug/l)	85,428.57	100,303.91	74,000.00	20,255.51	0.24	0.28	61,000.00	110,000.00	7	-13	Negative Trend
Chloride ion	(mg/l)	7.44	8.52	7.30	1.47	0.20	-0.59	5.00	9.20	7	9	No Trend
Chromium	(ug/l)	1.86	4.49	0.50	3.59	1.93	2.65	0.50	10.00	7	-6	No Trend
Cobalt	(ug/l)	0.99	2.30	0.20	1.79	1.81	2.53	0.20	5.00	7	-11	No Trend
Electrical Conductivity	(umhos/cm)	691.57	774.42	620.00	112.82	0.16	0.40	580.00	831.00	7	-11	No Trend
Hardness (as CaCO3)	(mg/l)	289.71	338.69	250.00	66.69	0.23	0.23	210.00	368.00	7	-14	Negative Trend
Iron	(ug/l)	30.00	30.00	30.00	0.00	0.00	--	30.00	30.00	7	0	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	7	0	No Trend
Manganese	(ug/l)	249.14	593.55	33.00	468.97	1.88	2.44	20.00	1,290.00	7	-14	Negative Trend
Modified TPH Tier 1	(mg/l)	0.06	0.08	0.05	0.02	0.42	2.45	0.05	0.11	6	-1	No Trend
pH, Lab	(ph units)	7.68	7.72	7.69	0.05	0.007	-0.43	7.60	7.74	7	6	No Trend
Sulphate	(mg/l)	114.00	130.39	100.00	22.32	0.20	1.18	94.00	155.00	7	-14	Negative Trend
Total Diss Solids (Lab)	(mg/l)	434.57	486.19	400.00	70.28	0.16	0.36	360.00	530.00	7	-15	Negative Trend
Total Organic Carbon	(mg/l)	2.52	2.80	2.50	0.35	0.14	0.43	2.00	3.10	6	-1	No Trend
Uranium	(ug/l)	3.59	4.66	2.90	1.47	0.41	0.25	1.80	5.50	7	-15	Negative Trend

MW20-16 (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	91.08	94.86	93.00	7.28	0.08	-1.56	73.00	98.00	12	-21	No Trend
Arsenic	(ug/l)	7.60	9.22	6.85	3.13	0.41	2.83	5.00	17.00	12	16	No Trend
Boron	(ug/l)	29.17	30.66	30.00	2.89	0.10	-3.46	20.00	30.00	12	11	No Trend
Cadmium	(ug/l)	0.03	0.03	0.03	0.01	0.41	1.41	0.02	0.06	12	-29	Negative Trend
Calcium	(ug/l)	28,533.33	29,702.58	28,500.00	2,255.23	0.08	-1.20	23,000.00	31,000.00	12	-11	No Trend
Chloride ion	(mg/l)	15.92	17.76	15.00	3.55	0.22	-0.34	8.00	22.00	12	-2	No Trend
Chromium	(ug/l)	1.47	2.85	0.50	2.66	1.81	3.09	0.50	9.60	12	-17	Negative Trend
Cobalt	(ug/l)	0.22	0.26	0.20	0.08	0.34	3.46	0.20	0.46	12	7	No Trend
Electrical Conductivity	(umhos/cm)	244.08	253.87	240.00	18.88	0.08	1.33	220.00	290.00	12	-8	No Trend
Hardness (as CaCO3)	(mg/l)	92.74	96.40	94.00	7.06	0.08	-1.23	76.00	100.00	12	-3	No Trend
Iron	(ug/l)	38.25	46.10	30.00	15.14	0.40	1.44	30.00	69.00	12	2	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	12	0	No Trend
Manganese	(ug/l)	29.96	41.66	23.00	22.58	0.75	0.61	2.90	75.00	12	3	No Trend
Modified TPH Tier 1	(mg/l)	0.05	0.07	0.05	0.03	0.61	3.46	0.05	0.16	12	-7	No Trend
pH, Lab	(ph units)	7.63	7.71	7.64	0.17	0.02	-0.50	7.33	7.82	12	38	Positive Trend
Sulphate	(mg/l)	7.52	7.90	7.35	0.73	0.10	0.90	6.70	9.00	12	-9	No Trend
Total Diss Solids (Lab)	(mg/l)	137.33	144.22	140.00	13.28	0.10	-1.07	108.00	150.00	12	-13	No Trend
Total Organic Carbon	(mg/l)	2.07	2.36	2.20	0.50	0.24	-0.65	1.20	2.50	10	8	No Trend
Uranium	(ug/l)	15.41	16.95	15.50	2.98	0.19	-0.98	8.40	19.00	12	-2	No Trend

MW20-17D (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	89.42	92.25	90.50	5.47	0.06	-0.59	79.00	96.00	12	-29	Negative Trend
Arsenic	(ug/l)	3.13	3.70	2.75	1.10	0.35	1.16	2.00	5.20	12	-33	Negative Trend
Boron	(ug/l)	29.42	30.46	30.00	2.02	0.07	-3.46	23.00	30.00	12	11	No Trend
Cadmium	(ug/l)	0.005	0.005	0.005	9.06E-19	1.81E-16	1.15	0.005	0.005	12	0	No Trend
Calcium	(ug/l)	20,966.67	24,088.98	23,500.00	6,022.28	0.29	-1.98	7,000.00	25,000.00	12	35	Positive Trend
Chloride ion	(mg/l)	7.62	8.66	8.10	2.01	0.26	-0.87	3.00	11.00	12	11	No Trend
Chromium	(ug/l)	0.71	1.08	0.50	0.72	1.02	3.46	0.50	3.00	12	-11	No Trend
Cobalt	(ug/l)	0.20	0.20	0.20	2.90E-17	1.45E-16	1.15	0.20	0.20	12	0	No Trend
Electrical Conductivity	(umhos/cm)	201.58	205.81	200.00	8.15	0.04	0.67	190.00	219.00	12	-15	No Trend
Hardness (as CaCO3)	(mg/l)	65.13	74.95	73.00	18.94	0.29	-1.96	21.60	78.00	12	40	Positive Trend
Iron	(ug/l)	48.42	78.23	30.00	57.50	1.19	3.40	30.00	230.00	12	9	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	12	0	No Trend
Manganese	(ug/l)	152.42	217.53	122.00	125.59	0.82	0.42	19.00	370.00	12	12	No Trend
Modified TPH Tier 1	(mg/l)	0.05	0.05	0.05	7.25E-18	1.51E-16	1.15	0.05	0.05	12	0	No Trend
pH, Lab	(ph units)	8.08	8.16	8.09	0.15	0.02	0.16	7.78	8.40	12	-11	No Trend
Sulphate	(mg/l)	6.76	7.49	6.65	1.42	0.21	-0.18	4.00	9.00	12	7	No Trend
Total Diss Solids (Lab)	(mg/l)	118.50	121.37	120.00	5.54	0.05	0.03	110.00	130.00	12	-15	No Trend
Total Organic Carbon	(mg/l)	28.01	31.59	30.00	6.90	0.25	-3.46	6.10	30.00	12	11	No Trend
Uranium	(ug/l)	10.34	11.62	10.00	2.47	0.24	-0.36	6.20	14.00	12	-24	No Trend

MW20-17S (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	83.83	87.94	85.00	7.92	0.09	0.41	71.00	100.00	12	-35	Negative Trend
Arsenic	(ug/l)	1.35	1.77	1.35	0.81	0.60	0.64	0.50	2.90	12	-43	Negative Trend
Boron	(ug/l)	28.83	30.93	30.00	4.04	0.14	-3.46	16.00	30.00	12	11	No Trend
Cadmium	(ug/l)	0.007	0.010	0.005	0.005	0.69	2.13	0.005	0.02	12	-3	No Trend
Calcium	(ug/l)	23,075.00	24,055.51	23,500.00	1,891.19	0.08	-0.44	20,000.00	25,000.00	12	5	No Trend
Chloride ion	(mg/l)	8.43	9.19	8.70	1.46	0.17	-0.16	6.00	11.00	12	7	No Trend
Chromium	(ug/l)	0.71	1.08	0.50	0.72	1.02	3.46	0.50	3.00	12	-11	No Trend
Cobalt	(ug/l)	0.20	0.20	0.20	2.90E-17	1.45E-16	1.15	0.20	0.20	12	0	No Trend
Electrical Conductivity	(umhos/cm)	197.42	206.26	195.00	17.06	0.09	1.40	180.00	240.00	12	-25	Negative Trend
Hardness (as CaCO3)	(mg/l)	70.14	73.17	72.00	5.84	0.08	-0.49	61.70	76.00	12	8	No Trend
Iron	(ug/l)	36.67	48.64	30.00	23.09	0.63	3.46	30.00	110.00	12	9	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	12	0	No Trend
Manganese	(ug/l)	65.26	102.07	47.50	71.01	1.09	2.50	2.00	270.00	12	0	No Trend
Modified TPH Tier 1	(mg/l)	0.18	0.41	0.05	0.45	2.51	3.46	0.05	1.60	12	-7	No Trend
pH, Lab	(ph units)	8.10	8.16	8.09	0.12	0.01	0.33	7.89	8.35	12	-10	No Trend
Sulphate	(mg/l)	7.78	8.44	7.70	1.27	0.16	-0.07	5.60	9.80	12	-14	No Trend
Total Diss Solids (Lab)	(mg/l)	116.25	119.94	120.00	7.11	0.06	0.16	105.00	130.00	12	-17	No Trend
Total Organic Carbon	(mg/l)	2.50	2.50	2.50	0.00	0.00	--	2.50	2.50	12	0	No Trend
Uranium	(ug/l)	1.72	2.17	1.45	0.88	0.51	0.70	0.38	3.30	12	-26	Negative Trend

MW2-D (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	220.65	235.66	210.00	35.45	0.16	0.53	170.00	280.00	17	-78	Negative Trend
Arsenic	(ug/l)	2.23	2.33	2.20	0.23	0.10	2.51	2.00	3.00	17	-10	No Trend
Boron	(ug/l)	41.63	47.08	38.00	12.44	0.30	0.23	30.00	62.00	16	46	Positive Trend
Cadmium	(ug/l)	0.06	0.07	0.05	0.03	0.39	2.13	0.04	0.14	17	-51	Negative Trend
Calcium	(ug/l)	74,511.76	79,489.80	69,000.00	11,755.42	0.16	0.86	63,000.00	95,000.00	17	-90	Negative Trend
Chloride ion	(mg/l)	29.71	33.47	26.00	8.88	0.30	0.89	17.00	48.00	17	-37	No Trend
Chromium	(ug/l)	1.03	1.55	0.50	1.22	1.18	2.10	0.50	4.00	17	-18	No Trend
Cobalt	(ug/l)	0.20	0.20	0.20	2.86E-17	1.43E-16	-1.10	0.20	0.20	17	0	No Trend
Electrical Conductivity	(umhos/cm)	608.47	642.05	589.00	79.30	0.13	0.91	520.00	750.00	17	-61	Negative Trend
Hardness (as CaCO3)	(mg/l)	268.53	286.38	250.00	42.14	0.16	0.82	228.00	340.00	17	-82	Negative Trend
Iron	(ug/l)	30.00	30.00	30.00	0.00	0.00	--	30.00	30.00	17	0	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	17	0	No Trend
Manganese	(ug/l)	2.40	4.08	1.00	3.96	1.65	3.55	1.00	17.00	17	-54	Negative Trend
Modified TPH Tier 1	(mg/l)	0.05	0.06	0.05	0.02	0.36	3.61	0.05	0.11	13	-8	No Trend
pH, Lab	(ph units)	7.50	7.59	7.54	0.22	0.03	-0.15	7.05	7.89	17	88	Positive Trend
Sulphate	(mg/l)	63.71	67.06	64.00	7.92	0.12	0.46	48.00	81.00	17	-43	Negative Trend
Total Diss Solids (Lab)	(mg/l)	359.18	382.04	340.00	54.00	0.15	0.80	282.00	460.00	17	-68	Negative Trend
Total Organic Carbon	(mg/l)	13.85	19.76	3.00	13.95	1.01	0.38	0.70	30.00	17	44	Positive Trend
Uranium	(ug/l)	237.82	264.45	220.00	62.88	0.26	0.74	133.00	360.00	17	-80	Negative Trend

MW2-M (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	134.59	140.08	130.00	12.96	0.10	-0.04	110.00	150.00	17	-3	No Trend
Arsenic	(ug/l)	1.48	1.58	1.50	0.25	0.17	-0.66	1.00	1.80	17	48	Positive Trend
Boron	(ug/l)	101.06	107.04	98.00	14.13	0.14	1.22	86.00	134.00	17	-4	No Trend
Cadmium	(ug/l)	0.08	0.09	0.07	0.02	0.28	1.05	0.05	0.14	17	-61	Negative Trend
Calcium	(ug/l)	49,041.18	51,631.22	47,000.00	6,116.28	0.12	0.77	41,000.00	62,000.00	17	-57	Negative Trend
Chloride ion	(mg/l)	15.24	17.40	13.00	5.11	0.34	1.46	11.00	28.00	17	-39	No Trend
Chromium	(ug/l)	0.85	1.28	0.50	1.01	1.19	2.76	0.50	4.00	17	-15	No Trend
Cobalt	(ug/l)	0.20	0.20	0.20	2.86E-17	1.43E-16	-1.10	0.20	0.20	17	0	No Trend
Electrical Conductivity	(umhos/cm)	452.35	474.23	430.00	51.65	0.11	1.09	390.00	560.00	17	-36	No Trend
Hardness (as CaCO3)	(mg/l)	190.59	200.54	180.00	23.51	0.12	0.77	160.00	240.00	17	-56	Negative Trend
Iron	(ug/l)	30.00	30.00	30.00	0.00	0.00	--	30.00	30.00	17	0	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	17	0	No Trend
Manganese	(ug/l)	1.55	1.94	1.00	0.94	0.61	1.54	1.00	4.00	17	-56	Negative Trend
Modified TPH Tier 1	(mg/l)	0.06	0.09	0.05	0.05	0.76	3.08	0.05	0.21	13	-3	No Trend
pH, Lab	(ph units)	7.25	7.34	7.21	0.22	0.03	0.01	6.80	7.64	17	80	Positive Trend
Sulphate	(mg/l)	77.94	83.58	74.00	13.32	0.17	1.17	61.00	110.00	17	-106	Negative Trend
Total Diss Solids (Lab)	(mg/l)	272.06	285.80	260.00	32.45	0.12	0.99	240.00	340.00	17	-54	Negative Trend
Total Organic Carbon	(mg/l)	1.78	2.06	1.70	0.67	0.37	0.16	0.79	2.90	17	1	No Trend
Uranium	(ug/l)	25.84	29.44	27.00	8.22	0.32	-0.22	12.00	37.00	16	-39	Negative Trend

MW2-S (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	158.50	169.84	160.00	25.87	0.16	0.38	120.00	200.00	16	33	No Trend
Arsenic	(ug/l)	0.62	0.83	0.50	0.48	0.77	4.00	0.50	2.40	16	-11	No Trend
Boron	(ug/l)	128.00	153.52	110.00	58.23	0.45	1.25	57.00	270.00	16	-61	Negative Trend
Cadmium	(ug/l)	0.03	0.04	0.02	0.02	0.57	1.43	0.01	0.08	16	-69	Negative Trend
Calcium	(ug/l)	65,012.50	68,713.05	65,500.00	8,443.92	0.13	-0.09	52,000.00	78,000.00	16	-40	Negative Trend
Chloride ion	(mg/l)	7.26	8.95	6.20	3.86	0.53	0.93	2.60	16.00	16	16	No Trend
Chromium	(ug/l)	0.81	1.22	0.50	0.93	1.14	3.20	0.50	4.00	16	-13	No Trend
Cobalt	(ug/l)	0.31	0.45	0.20	0.30	0.96	2.42	0.20	1.10	15	-9	No Trend
Electrical Conductivity	(umhos/cm)	419.63	441.13	412.50	49.07	0.12	0.22	350.00	510.00	16	-15	No Trend
Hardness (as CaCO3)	(mg/l)	192.25	202.98	195.00	24.47	0.13	-0.18	150.00	230.00	16	-38	Negative Trend
Iron	(ug/l)	43.44	56.53	30.00	29.88	0.69	2.68	30.00	140.00	16	22	No Trend
Lead	(ug/l)	0.38	0.55	0.25	0.40	1.06	3.49	0.25	1.80	16	5	No Trend
Manganese	(ug/l)	32.53	56.46	4.30	52.64	1.62	1.78	1.00	160.00	15	-28	No Trend
Modified TPH Tier 1	(mg/l)	0.05	0.06	0.05	0.02	0.47	3.46	0.05	0.13	12	-7	No Trend
pH, Lab	(ph units)	7.38	7.48	7.31	0.23	0.03	0.70	7.12	7.79	16	49	Positive Trend
Sulphate	(mg/l)	51.19	62.15	48.00	25.02	0.49	0.82	20.00	110.00	16	-82	Negative Trend
Total Diss Solids (Lab)	(mg/l)	248.81	264.30	253.50	35.35	0.14	0.01	190.00	300.00	16	-45	Negative Trend
Total Organic Carbon	(mg/l)	18.62	23.79	14.00	11.37	0.61	-0.05	3.70	30.00	15	23	No Trend
Uranium	(ug/l)	0.80	1.03	0.69	0.53	0.67	3.37	0.45	2.70	16	-28	No Trend

MW3 (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	99.28	100.60	99.50	3.21	0.03	1.49	94.00	109.00	18	-33	No Trend
Arsenic	(ug/l)	2.35	2.57	2.50	0.52	0.22	-0.99	1.00	3.10	17	24	No Trend
Boron	(ug/l)	28.56	30.48	30.00	4.68	0.16	-3.57	11.00	30.00	18	13	No Trend
Cadmium	(ug/l)	0.007	0.009	0.005	0.005	0.72	2.67	0.005	0.02	17	-15	No Trend
Calcium	(ug/l)	30,166.67	30,837.92	30,000.00	1,636.71	0.05	3.22	29,000.00	36,200.00	18	11	No Trend
Chloride ion	(mg/l)	9.26	9.88	9.50	1.52	0.16	-0.35	7.00	11.00	18	-14	No Trend
Chromium	(ug/l)	0.68	0.89	0.50	0.50	0.74	2.61	0.50	2.00	17	-14	No Trend
Cobalt	(ug/l)	0.20	0.20	0.20	5.71E-17	2.86E-16	-1.09	0.20	0.20	18	0	No Trend
Electrical Conductivity	(umhos/cm)	236.61	239.48	240.00	7.01	0.03	-0.55	220.00	250.00	18	53	Positive Trend
Hardness (as CaCO3)	(mg/l)	96.65	98.78	96.00	5.20	0.05	3.30	93.00	116.00	18	42	No Trend
Iron	(ug/l)	41.11	60.44	30.00	47.14	1.15	4.24	30.00	230.00	18	-1	No Trend
Lead	(ug/l)	0.30	0.35	0.25	0.14	0.46	2.93	0.25	0.75	18	-13	No Trend
Manganese	(ug/l)	8.34	13.05	3.10	11.12	1.33	2.00	1.00	38.00	17	-20	No Trend
Modified TPH Tier 1	(mg/l)	0.05	0.05	0.05	7.18E-18	1.60E-16	-1.11	0.05	0.05	15	0	No Trend
pH, Lab	(ph units)	8.10	8.16	8.12	0.13	0.02	-0.86	7.83	8.29	18	34	No Trend
Sulphate	(mg/l)	10.35	11.02	10.00	1.58	0.15	-0.01	7.00	13.00	17	57	Positive Trend
Total Diss Solids (Lab)	(mg/l)	138.61	141.21	140.00	6.34	0.05	-1.14	124.00	150.00	18	1	No Trend
Total Organic Carbon	(mg/l)	18.17	23.86	30.00	13.89	0.76	-0.35	0.60	30.00	18	59	Positive Trend
Uranium	(ug/l)	9.71	9.93	9.80	0.52	0.05	0.48	8.80	11.00	17	25	No Trend

MW5-D (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	89.12	94.33	88.00	12.30	0.14	2.45	76.00	130.00	17	-32	No Trend
Arsenic	(ug/l)	8.94	9.66	9.80	1.70	0.19	-0.51	5.50	11.00	17	27	No Trend
Boron	(ug/l)	30.88	34.57	30.00	8.72	0.28	2.86	16.00	62.00	17	7	No Trend
Cadmium	(ug/l)	0.08	0.11	0.07	0.05	0.60	0.78	0.02	0.19	16	-34	No Trend
Calcium	(ug/l)	31,588.24	42,359.65	26,000.00	25,436.24	0.81	4.08	22,000.00	130,000.00	17	26	No Trend
Chloride ion	(mg/l)	16.55	25.45	12.00	21.02	1.27	3.94	6.00	97.00	17	38	No Trend
Chromium	(ug/l)	0.59	0.76	0.50	0.38	0.63	4.00	0.50	2.00	16	-7	No Trend
Cobalt	(ug/l)	0.24	0.30	0.20	0.15	0.63	4.12	0.20	0.81	17	10	No Trend
Electrical Conductivity	(umhos/cm)	244.24	299.93	220.00	131.51	0.54	4.00	170.00	750.00	17	37	No Trend
Hardness (as CaCO3)	(mg/l)	101.30	132.91	84.00	74.66	0.74	4.07	71.00	390.00	17	38	No Trend
Iron	(ug/l)	111.94	222.77	30.00	261.72	2.34	3.80	30.00	1,100.00	17	14	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	17	0	No Trend
Manganese	(ug/l)	112.73	202.57	73.00	212.15	1.88	3.56	1.00	900.00	17	-2	No Trend
Modified TPH Tier 1	(mg/l)	0.05	0.07	0.05	0.03	0.50	3.61	0.05	0.14	13	-6	No Trend
pH, Lab	(ph units)	7.38	7.50	7.35	0.28	0.04	-0.005	6.89	7.93	17	71	Positive Trend
Sulphate	(mg/l)	12.52	21.33	7.20	20.79	1.66	4.09	4.00	93.00	17	-3	No Trend
Total Diss Solids (Lab)	(mg/l)	145.12	180.90	130.00	84.49	0.58	4.00	103.00	470.00	17	12	No Trend
Total Organic Carbon	(mg/l)	2.06	2.42	2.20	0.86	0.42	0.31	0.67	3.90	17	-12	No Trend
Uranium	(ug/l)	44.57	89.94	18.00	107.14	2.40	4.11	13.00	460.00	17	-11	No Trend

MW5-S (01-Jan-2015-09-May-2023)

Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	76.82	86.98	76.00	23.99	0.31	2.68	44.00	160.00	17	28	No Trend
Arsenic	(ug/l)	4.17	4.73	3.90	1.33	0.32	0.55	2.20	6.90	17	78	Positive Trend
Boron	(ug/l)	39.41	58.09	30.00	44.11	1.12	4.07	16.00	210.00	17	7	No Trend
Cadmium	(ug/l)	0.28	0.35	0.24	0.16	0.58	0.83	0.08	0.65	17	-46	Negative Trend
Calcium	(ug/l)	29,323.53	42,555.44	23,000.00	31,246.59	1.07	4.06	16,000.00	150,000.00	17	64	Positive Trend
Chloride ion	(mg/l)	21.87	42.44	11.00	48.58	2.22	4.10	5.00	210.00	17	61	Positive Trend
Chromium	(ug/l)	0.85	1.28	0.50	1.01	1.19	2.76	0.50	4.00	17	-13	No Trend
Cobalt	(ug/l)	0.34	0.50	0.20	0.36	1.05	2.70	0.20	1.50	17	-13	No Trend
Electrical Conductivity	(umhos/cm)	257.12	382.33	191.00	295.68	1.15	4.07	120.00	1,400.00	17	63	Positive Trend
Hardness (as CaCO3)	(mg/l)	94.98	135.03	75.00	94.58	1.00	4.05	51.00	460.00	17	68	Positive Trend
Iron	(ug/l)	33.47	39.53	30.00	14.31	0.43	4.12	30.00	89.00	17	-8	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	17	0	No Trend
Manganese	(ug/l)	268.94	476.76	110.00	490.76	1.82	3.64	25.00	2,100.00	17	-37	No Trend
Modified TPH Tier 1	(mg/l)	0.05	0.07	0.05	0.03	0.55	3.61	0.05	0.15	13	-6	No Trend
pH, Lab	(ph units)	7.15	7.30	7.07	0.35	0.05	0.38	6.62	7.78	17	85	Positive Trend
Sulphate	(mg/l)	20.51	41.20	8.50	48.86	2.38	4.12	6.00	210.00	17	-38	No Trend
Total Diss Solids (Lab)	(mg/l)	150.35	220.47	120.00	165.57	1.10	4.06	79.00	790.00	17	47	Positive Trend
Total Organic Carbon	(mg/l)	2.45	2.84	2.30	0.92	0.38	1.59	1.40	5.10	17	-35	No Trend
Uranium	(ug/l)	15.68	27.19	9.10	27.19	1.73	3.97	5.00	120.00	17	63	Positive Trend

MW6-D (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	1,141.67	1,214.34	1,100.00	177.21	0.16	0.16	880.00	1,400.00	18	-21	No Trend
Arsenic	(ug/l)	46.89	52.04	43.00	12.56	0.27	0.94	30.00	71.00	18	-59	Negative Trend
Boron	(ug/l)	12,777.78	13,871.63	13,000.00	2,667.13	0.21	-0.24	7,800.00	17,000.00	18	-127	Negative Trend
Cadmium	(ug/l)	0.04	0.05	0.05	0.01	0.27	-1.11	0.02	0.05	17	41	Positive Trend
Calcium	(ug/l)	445,444.44	477,322.48	475,000.00	77,728.20	0.17	-0.99	290,000.00	530,000.00	18	-105	Negative Trend
Chloride ion	(mg/l)	97.89	110.97	93.50	31.90	0.33	0.77	54.00	160.00	18	-108	Negative Trend
Chromium	(ug/l)	6.77	9.18	5.00	5.68	0.84	2.99	2.30	26.00	17	-64	Negative Trend
Cobalt	(ug/l)	21.61	24.23	20.00	6.38	0.30	0.85	12.00	33.00	18	-94	Negative Trend
Electrical Conductivity	(umhos/cm)	3,346.11	3,530.81	3,450.00	450.35	0.13	-0.97	2,400.00	3,900.00	18	-97	Negative Trend
Hardness (as CaCO3)	(mg/l)	1,640.00	1,747.60	1,745.00	262.36	0.16	-1.08	1,100.00	1,900.00	18	-99	Negative Trend
Iron	(ug/l)	14,617.65	15,864.74	13,500.00	2,944.96	0.20	1.04	11,000.00	20,000.00	17	-68	Negative Trend
Lead	(ug/l)	2.50	2.50	2.50	0.00	0.00	--	2.50	2.50	17	0	No Trend
Manganese	(ug/l)	20,911.76	21,586.64	21,000.00	1,593.69	0.08	-0.09	19,000.00	23,000.00	17	24	No Trend
Modified TPH Tier 1	(mg/l)	0.13	0.19	0.05	0.12	0.90	1.05	0.05	0.35	15	-22	No Trend
pH, Lab	(ph units)	6.87	6.94	6.87	0.17	0.23	-0.26	6.50	7.15	18	97	Positive Trend
Sulphate	(mg/l)	756.50	831.35	770.00	182.50	0.24	-0.78	390.00	1,000.00	18	-119	Negative Trend
Total Diss Solids (Lab)	(mg/l)	2,418.33	2,575.32	2,500.00	382.78	0.16	-1.08	1,600.00	3,000.00	18	-120	Negative Trend
Total Organic Carbon	(mg/l)	63.08	68.07	65.00	11.77	0.19	-0.36	41.00	81.00	17	-97	Negative Trend
Uranium	(ug/l)	245.06	267.45	265.00	54.60	0.22	-0.55	140.00	340.00	18	-96	Negative Trend

MW6-S (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	130.31	150.12	130.00	45.19	0.35	2.60	91.00	280.00	16	15	No Trend
Arsenic	(ug/l)	0.85	1.17	0.50	0.73	0.85	2.06	0.50	2.60	16	-23	No Trend
Boron	(ug/l)	935.63	1,237.54	775.00	688.92	0.74	1.42	210.00	2,600.00	16	-64	Negative Trend
Cadmium	(ug/l)	0.05	0.06	0.04	0.04	0.76	1.36	0.01	0.14	16	-75	Negative Trend
Calcium	(ug/l)	78,875.00	89,852.57	71,000.00	25,048.66	0.32	1.72	51,300.00	150,000.00	16	-43	Negative Trend
Chloride ion	(mg/l)	15.99	21.30	12.50	12.11	0.76	1.98	5.00	52.00	16	-46	Negative Trend
Chromium	(ug/l)	1.20	1.81	0.50	1.40	1.17	1.71	0.50	4.00	16	-11	No Trend
Cobalt	(ug/l)	0.88	1.36	0.20	1.08	1.22	1.29	0.20	3.30	16	-35	Negative Trend
Electrical Conductivity	(umhos/cm)	518.56	589.80	452.00	162.55	0.31	1.53	370.00	880.00	16	-53	Negative Trend
Hardness (as CaCO3)	(mg/l)	245.88	284.87	218.00	88.97	0.36	2.02	158.00	510.00	16	-48	Negative Trend
Iron	(ug/l)	148.06	259.01	30.00	253.17	1.71	2.90	30.00	1,000.00	16	-66	Negative Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	16	0	No Trend
Manganese	(ug/l)	1,292.19	1,835.30	1,135.00	1,239.28	0.96	0.77	35.00	3,700.00	16	-69	Negative Trend
Modified TPH Tier 1	(mg/l)	0.06	0.08	0.05	0.05	0.79	3.61	0.05	0.21	13	-4	No Trend
pH, Lab	(ph units)	6.84	7.01	6.94	0.39	0.06	-1.26	5.90	7.29	16	69	Positive Trend
Sulphate	(mg/l)	106.19	127.23	84.50	48.02	0.45	1.56	53.00	240.00	16	-71	Negative Trend
Total Diss Solids (Lab)	(mg/l)	321.94	371.78	266.00	113.74	0.35	1.67	230.00	600.00	16	-56	Negative Trend
Total Organic Carbon	(mg/l)	18.28	19.99	19.00	3.89	0.21	1.79	14.00	30.00	16	7	No Trend
Uranium	(ug/l)	4.25	7.49	1.50	7.38	1.74	3.24	0.94	30.00	16	-11	No Trend

MW7-D (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	272.33	341.37	190.00	168.34	0.62	1.62	109.00	690.00	18	-38	No Trend
Arsenic	(ug/l)	4.17	5.35	3.50	2.88	0.69	0.86	0.50	11.00	18	-33	No Trend
Boron	(ug/l)	2,187.39	3,147.95	1,125.00	2,342.14	1.07	1.76	53.00	8,100.00	18	-91	Negative Trend
Cadmium	(ug/l)	0.61	0.91	0.25	0.70	1.14	1.26	0.01	2.10	17	-105	Negative Trend
Calcium	(ug/l)	169,611.11	214,725.21	125,500.00	110,001.68	0.65	1.69	72,000.00	460,000.00	18	-87	Negative Trend
Chloride ion	(mg/l)	20.96	28.29	14.00	17.88	0.85	1.70	3.20	64.00	18	-70	Negative Trend
Chromium	(ug/l)	1.42	2.29	0.50	2.14	1.51	2.07	0.50	7.00	18	-20	No Trend
Cobalt	(ug/l)	10.14	14.49	5.20	10.59	1.04	1.61	0.20	37.00	18	-90	Negative Trend
Electrical Conductivity	(umhos/cm)	1,028.39	1,273.80	765.00	598.39	0.58	1.51	390.00	2,500.00	18	-79	Negative Trend
Hardness (as CaCO3)	(mg/l)	562.67	736.09	381.00	422.86	0.75	1.78	200.00	1,700.00	18	-87	Negative Trend
Iron	(ug/l)	737.22	890.48	800.00	373.68	0.51	-0.33	88.00	1,400.00	18	20	No Trend
Lead	(ug/l)	3.88	5.56	2.10	4.11	1.06	1.60	0.25	14.00	18	-119	Negative Trend
Manganese	(ug/l)	4,363.39	5,242.00	4,000.00	2,142.32	0.49	0.76	11.00	9,800.00	18	-54	Negative Trend
Modified TPH Tier 1	(mg/l)	0.05	0.06	0.05	0.02	0.34	3.87	0.05	0.11	15	-6	No Trend
pH, Lab	(ph units)	6.79	6.90	6.78	0.26	0.04	1.38	6.40	7.59	18	86	Positive Trend
Sulphate	(mg/l)	282.67	368.64	220.50	209.64	0.74	1.33	16.00	800.00	18	-87	Negative Trend
Total Diss Solids (Lab)	(mg/l)	717.22	919.87	510.00	494.13	0.69	1.55	230.00	2,000.00	18	-80	Negative Trend
Total Organic Carbon	(mg/l)	21.57	23.50	20.30	4.70	0.22	1.00	15.00	32.00	18	-99	Negative Trend
Uranium	(ug/l)	81.82	137.79	18.90	136.47	1.67	1.94	0.61	460.00	18	-94	Negative Trend

MW7-S (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	162.00	186.26	180.00	53.35	0.33	-0.07	73.00	240.00	15	29	No Trend
Arsenic	(ug/l)	0.79	1.24	0.50	0.98	1.24	3.72	0.50	4.30	15	5	No Trend
Boron	(ug/l)	282.07	421.91	142.00	307.57	1.09	1.28	30.00	1,000.00	15	-56	Negative Trend
Cadmium	(ug/l)	0.04	0.06	0.02	0.05	1.14	1.25	0.005	0.14	15	-26	No Trend
Calcium	(ug/l)	75,733.33	81,979.91	78,000.00	13,738.15	0.18	-0.45	48,000.00	99,500.00	15	-9	No Trend
Chloride ion	(mg/l)	6.17	7.55	5.30	3.05	0.49	1.70	2.00	15.00	15	1	No Trend
Chromium	(ug/l)	1.07	1.66	0.50	1.31	1.23	2.46	0.50	5.00	15	-15	No Trend
Cobalt	(ug/l)	0.78	1.20	0.20	0.94	1.21	2.23	0.20	3.60	15	-33	Negative Trend
Electrical Conductivity	(umhos/cm)	446.27	485.17	470.00	85.56	0.19	-0.18	310.00	570.00	15	1	No Trend
Hardness (as CaCO3)	(mg/l)	209.20	226.01	220.00	36.98	0.18	-0.33	140.00	270.00	15	-8	No Trend
Iron	(ug/l)	238.07	430.97	30.00	424.26	1.78	2.33	30.00	1,460.00	15	27	No Trend
Lead	(ug/l)	0.60	0.94	0.25	0.75	1.25	2.67	0.25	3.00	15	-2	No Trend
Manganese	(ug/l)	920.12	1,533.54	94.00	1,349.09	1.47	1.25	2.20	3,800.00	15	-43	Negative Trend
Modified TPH Tier 1	(mg/l)	0.05	0.05	0.05	7.25E-18	1.61E-16	1.15	0.05	0.05	12	0	No Trend
pH, Lab	(ph units)	7.21	7.46	7.30	0.57	0.08	-0.68	6.04	7.85	15	58	Positive Trend
Sulphate	(mg/l)	58.77	86.26	28.00	60.47	1.03	1.28	6.50	190.00	15	-58	Negative Trend
Total Diss Solids (Lab)	(mg/l)	267.00	296.03	253.00	63.85	0.24	-0.008	170.00	360.00	15	-26	No Trend
Total Organic Carbon	(mg/l)	26.92	34.68	18.00	17.06	0.63	0.89	7.30	57.00	15	27	No Trend
Uranium	(ug/l)	1.23	1.84	0.74	1.34	1.09	2.87	0.50	5.60	15	12	No Trend

MW8-D (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	123.00	129.38	130.00	15.06	0.12	-0.54	90.00	150.00	17	55	Positive Trend
Arsenic	(ug/l)	7.94	8.47	8.40	1.25	0.16	-0.87	4.80	10.00	17	-12	No Trend
Boron	(ug/l)	45.24	53.30	30.00	19.05	0.42	1.04	30.00	91.00	17	-8	No Trend
Cadmium	(ug/l)	0.03	0.03	0.03	0.007	0.24	0.94	0.02	0.04	16	-1	No Trend
Calcium	(ug/l)	79,517.65	91,580.56	73,000.00	28,486.05	0.36	0.48	26,000.00	140,000.00	17	-10	No Trend
Chloride ion	(mg/l)	57.44	70.37	50.00	29.52	0.51	1.36	10.00	140.00	16	-16	No Trend
Chromium	(ug/l)	0.68	0.89	0.50	0.50	0.74	2.61	0.50	2.00	17	-14	No Trend
Cobalt	(ug/l)	0.20	0.20	0.20	2.86E-17	1.43E-16	-1.10	0.20	0.20	17	0	No Trend
Electrical Conductivity	(umhos/cm)	585.29	667.29	540.00	193.63	0.33	0.49	220.00	970.00	17	15	No Trend
Hardness (as CaCO3)	(mg/l)	248.76	286.15	230.00	88.29	0.35	0.51	86.00	440.00	17	-10	No Trend
Iron	(ug/l)	30.00	30.00	30.00	0.00	0.00	--	30.00	30.00	17	0	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	17	0	No Trend
Manganese	(ug/l)	37.32	53.19	20.00	37.48	1.00	1.76	9.50	140.00	17	-28	No Trend
Modified TPH Tier 1	(mg/l)	0.05	0.05	0.05	0.00	0.00	--	0.05	0.05	13	0	No Trend
pH, Lab	(ph units)	7.82	7.91	7.88	0.21	0.03	-1.83	7.17	8.06	17	64	Positive Trend
Sulphate	(mg/l)	75.77	92.31	64.00	39.05	0.52	0.78	9.10	170.00	17	31	No Trend
Total Diss Solids (Lab)	(mg/l)	344.47	387.82	330.00	102.37	0.30	0.18	130.00	550.00	17	-2	No Trend
Total Organic Carbon	(mg/l)	1.06	1.42	0.72	0.83	0.78	1.06	0.30	2.70	17	15	No Trend
Uranium	(ug/l)	362.24	409.36	370.00	111.29	0.31	-1.68	16.00	520.00	17	30	No Trend

MW8-S (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	197.00	216.57	190.00	46.21	0.23	-0.69	83.00	270.00	17	27	No Trend
Arsenic	(ug/l)	2.76	3.11	2.50	0.81	0.29	0.93	1.80	4.50	17	-54	Negative Trend
Boron	(ug/l)	145.76	168.22	140.00	53.03	0.36	-0.02	30.00	260.00	17	13	No Trend
Cadmium	(ug/l)	0.10	0.13	0.09	0.06	0.61	1.38	0.03	0.28	16	-44	Negative Trend
Calcium	(ug/l)	181,823.53	205,938.97	200,000.00	56,947.60	0.31	-1.20	24,000.00	280,000.00	17	27	No Trend
Chloride ion	(mg/l)	168.02	198.75	170.00	72.57	0.43	-0.11	9.40	300.00	17	-51	Negative Trend
Chromium	(ug/l)	1.03	1.66	0.50	1.49	1.45	2.61	0.50	5.00	17	-14	No Trend
Cobalt	(ug/l)	0.29	0.36	0.20	0.16	0.54	1.62	0.20	0.71	17	-56	Negative Trend
Electrical Conductivity	(umhos/cm)	1,430.59	1,603.99	1,600.00	409.47	0.29	-1.82	210.00	1,900.00	17	-5	No Trend
Hardness (as CaCO3)	(mg/l)	555.47	629.82	610.00	175.58	0.32	-1.10	79.00	860.00	17	27	No Trend
Iron	(ug/l)	30.00	30.00	30.00	0.00	0.00	--	30.00	30.00	17	0	No Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	17	0	No Trend
Manganese	(ug/l)	100.14	130.72	100.00	72.23	0.72	0.18	9.00	220.00	17	-40	No Trend
Modified TPH Tier 1	(mg/l)	0.05	0.05	0.05	0.00	0.00	--	0.05	0.05	13	0	No Trend
pH, Lab	(ph units)	7.81	7.88	7.84	0.16	0.02	-2.47	7.27	7.98	17	18	No Trend
Sulphate	(mg/l)	284.56	334.64	295.00	114.27	0.40	-0.68	11.00	450.00	16	60	Positive Trend
Total Diss Solids (Lab)	(mg/l)	892.94	1,003.22	940.00	260.43	0.29	-1.75	120.00	1,200.00	17	25	No Trend
Total Organic Carbon	(mg/l)	4.02	5.68	2.50	3.92	0.98	2.36	1.20	16.00	17	42	Positive Trend
Uranium	(ug/l)	148.21	173.68	160.00	60.15	0.41	-0.54	9.50	260.00	17	26	No Trend

PW19-01 (01-Jan-2015-09-May-2023)												
Parameter	Unit	Mean	UCL	Median	Standard Deviation	Coefficient of Variation	Skewness	Minimum	Maximum	Count (n)	Mann-Kendall S	95% confidence
Alkalinity, Total	(mg/l)	255.38	290.56	230.00	71.18	0.28	0.62	150.00	380.00	13	6	No Trend
Arsenic	(ug/l)	3.98	5.32	3.85	2.84	0.71	1.08	1.00	11.00	14	36	Positive Trend
Boron	(ug/l)	47.00	55.57	52.00	17.33	0.37	0.16	30.00	72.00	13	-49	Negative Trend
Cadmium	(ug/l)	0.005	0.005	0.005	9.00E-19	1.80E-16	1.12	0.005	0.005	14	0	No Trend
Calcium	(ug/l)	84,546.15	91,845.07	88,000.00	14,768.02	0.17	-1.04	48,000.00	110,000.00	13	-24	No Trend
Chloride ion	(mg/l)	8.98	9.62	8.80	1.36	0.15	0.26	6.90	11.00	14	-22	No Trend
Chromium	(ug/l)	0.75	1.01	0.50	0.55	0.73	2.07	0.50	2.00	14	-33	Negative Trend
Cobalt	(ug/l)	0.66	0.89	0.45	0.49	0.75	0.79	0.20	1.70	14	17	No Trend
Electrical Conductivity	(umhos/cm)	552.85	603.99	533.00	103.48	0.19	0.10	350.00	750.00	13	-6	No Trend
Hardness (as CaCO3)	(mg/l)	258.62	282.94	260.00	49.21	0.19	-0.78	140.00	350.00	13	-16	No Trend
Iron	(ug/l)	389.07	578.24	195.00	399.67	1.03	0.81	30.00	1,100.00	14	46	Positive Trend
Lead	(ug/l)	0.25	0.25	0.25	0.00	0.00	--	0.25	0.25	14	0	No Trend
Manganese	(ug/l)	1,017.64	1,482.26	640.00	981.62	0.96	0.99	51.00	3,100.00	14	27	No Trend
Modified TPH Tier 1	(mg/l)	0.24	0.51	0.05	0.53	2.25	3.31	0.05	1.90	12	-2	No Trend
pH, Lab	(ph units)	7.91	7.95	7.93	0.09	0.01	0.60	7.79	8.10	14	4	No Trend
Sulphate	(mg/l)	35.15	44.84	25.00	19.60	0.56	0.91	16.00	75.00	13	-37	Negative Trend
Total Diss Solids (Lab)	(mg/l)	323.85	354.05	330.00	61.11	0.19	-0.49	190.00	420.00	13	-14	No Trend
Total Organic Carbon	(mg/l)	23.61	28.69	30.00	10.75	0.46	-1.26	0.70	30.00	14	36	Positive Trend
Uranium	(ug/l)	9.91	12.13	8.70	4.70	0.47	1.30	3.30	21.00	14	-7	No Trend

Appendix H. Field Data Summary Tables

Table H1: Groundwater Levels and Elevations (June 2022)

Well ID	Date	GPS Coordinates		TOC ELEVATION	Static Water Level (mbtoc)	Bottom of Well (mbtoc)	GW Elevation	Temp (°C)	pH	Cond (m/s)
Static Water Levels							Field Parameters			
MW1-S	A	4936163.536	25568040.815	86.012	1.115	1.960	84.897	10.9	7.03	150
MW1-D	A	4936162.568	25568040.673	85.685	2.153	5.820	83.532	8.8	6.48	2170
MW2-S	C	4936277.310	25568375.605	91.820	1.563	3.363	90.257	11.0	6.70	283
MW2-M	C	4936274.757	25568375.361	91.449	4.815	8.298	86.634	8.8	6.73	406
MW2-D	C	4936272.861	25568375.262	91.406	5.053	12.025	86.353	9.2	6.94	562
MW3	D	4936457.437	25568057.254	113.582	2.115	11.157	111.467	9.0	8.12	236
MW5-S	C	4936482.333	25568427.429	97.217	1.635	4.976	95.582	12.6	6.49	66.6
MW5-D	C	4936483.003	25568426.186	97.211	1.643	9.595	95.568	7.2	6.56	203
MW6-S	D	4936176.081	25568121.534	89.726	2.425	3.480	87.301	DRY	DRY	DRY
MW6-D	D	4936174.415	25568121.994	89.760	2.490	6.390	87.270	10.1	6.44	2932
MW7-S	A	4936202.281	25568000.533	88.540	2.090	2.905	86.450	DRY	DRY	DRY
MW7-D	A	4936202.901	25567999.515	88.574	2.705	5.070	85.869	9.2	6.41	611
MW8-S	B	4936310.700	25568302.379	98.204	4.660	7.525	93.544	9.9	7.43	1661
MW8-D	B	4936311.210	25568303.588	97.882	6.600	23.905	91.282	12.0	7.62	604
MW19-03D	D	4936457.362	25568056.050	113.514	8.620	14.525	104.894	9.2	7.99	141
MW19-09S	D	4936315.097	25567976.210	95.753	1.730	7.110	94.023	9.6	7.59	287
MW19-10S	C	4936383.454	25568157.550	102.697	4.655	5.130	98.042	DRY	DRY	DRY
MW19-11M	B	4936205.289	25568220.310	90.382	1.810	5.255	88.572	10.8	7.16	277
MW19-11D	B	4936206.602	25568220.720	90.487	2.070	7.955	88.417	8.1	6.70	1925
PW19-01	D	4936311.923	25568005.700	95.980	1.700	7.230	94.280	9.9	7.41	558
MW19-12S	C	4936362.937	25568382.920	95.684	3.045	3.100	92.639	DRY	DRY	DRY
MW19-12D	C	4936364.332	25568382.470	95.579	3.304	7.685	92.275	9.3	6.64	373
MW19-13S	A	4936123.500	25567992.758	76.949	2.195	4.335	74.754	11.7	5.82	177
MW19-13D	D	4936123.422	25567991.611	76.979	3.560	8.580	73.419	8.9	5.99	209
MW20-14S	C	4936220.664	25568307.2	90.727	2.575	5.377	88.152	8.9	5.39	312
MW20-14D	C	4936220.163	25568306.64	90.615	4.395	9.920	86.220	8.6	6.33	388
MW20-15S	B	4936242.801	25568334.52	93.05	4.960	5.520	88.090	DRY	DRY	DRY
MW20-15D	B	4936242.238	25568333.65	92.999	6.760	9.090	86.239	9.3	7.06	1162
MW20-16	C	4936523.067	25568356.68	103.832	5.550	12.325	98.282	9.4	6.87	171
MW20-17S	D	4936428.866	25567865.24	102.516	1.355	8.500	101.161	8.1	8.05	183
MW20-17D	A	4936428.017	25567864.95	102.969	5.940	12.860	97.029	9.0	8.05	132

Measurement Date A: 31 May 2022

Measurement Date B: 1 June 2022

Measurement Date C: 2 June 2022

Measurement Date D: 3 June 2022

Table H2: Groundwater Levels and Elevations (September 2022)

Well ID	Date	GPS Coordinates		TOC ELEVATION	Static Water Level (mbtoc)	Bottom of Well (mbtoc)	GW Elevation	Temp (°C)	pH	Cond (m/s)
Static Water Levels							Field Parameters			
MW1-S	A	4936163.536	25568040.815	86.012	0.895	1.940	85.117	14.6	9.57	1215
MW1-D	A	4936162.568	25568040.673	85.685	2.140	8.170	83.545	11.7	9.09	1817
MW2-S	B	4936277.310	25568375.605	91.820	1.240	4.190	90.580	**	**	**
MW2-M	B	4936274.757	25568375.361	91.449	5.520	9.350	85.929	**	**	**
MW2-D	B	4936272.861	25568375.262	91.406	5.695	13.130	85.711	**	**	**
MW3	A	4936457.437	25568057.254	113.582	2.990	11.340	110.592	10.4	9.99	174
MW5-S	B	4936482.333	25568427.429	97.217	1.365	5.100	95.852	**	**	**
MW5-D	B	4936483.003	25568426.186	97.211	1.420	9.630	95.791	**	**	**
MW6-S	B	4936176.081	25568121.534	89.726	2.235	3.380	87.491	16.6	4.67	439
MW6-D	B	4936174.415	25568121.994	89.760	2.350	6.370	87.410	13.2	3.57	2027
MW7-S	C	4936202.281	25568000.533	88.540	1.725	2.890	86.815	14.7	6.77	141
MW7-D	C	4936202.901	25567999.515	88.574	2.620	5.060	85.954	13.1	5.92	300
MW8-S	C	4936310.700	25568302.379	98.204	5.720	7.470	92.484	11.9	7.05	550
MW8-D	C	4936311.210	25568303.588	97.882	7.070	24.440	90.812	9.5	7.17	293
MW19-03D	A	4936457.362	25568056.050	113.514	10.030	14.800	103.484	9.4	6.44	98.0
MW19-09S	A	4936315.097	25567976.210	95.753	2.875	7.070	92.878	14.2	8.32	195
MW19-10S	B	4936383.454	25568157.550	102.697	DRY	4.530	DRY	DRY	DRY	DRY
MW19-11M	C	4936205.289	25568220.310	90.382	1.555	5.230	88.827	13.5	6.40	362.0
MW19-11D	C	4936206.602	25568220.720	90.487	1.860	7.970	88.627	11.0	6.36	917
PW19-01	D	4936311.923	25568005.700	95.980	1.795	6.990	94.185	13.3	7.03	182
MW19-12S	D	4936362.937	25568382.920	95.684	1.800	3.060	93.884	14.5	6.78	327
MW19-12D	D	4936364.332	25568382.470	95.579	1.660	7.680	93.919	13.2	6.32	276
MW19-13S	D	4936123.500	25567992.758	76.949	1.825	4.095	75.124	14.6	5.18	87.0
MW19-13D	D	4936123.422	25567991.611	76.979	3.515	8.510	73.464	11.3	5.63	113
MW20-14S	D	4936220.664	25568307.2	90.727	3.095	5.200	87.632	12.2	5.28	52.0
MW20-14D	D	4936220.163	25568306.64	90.615	4.980	9.990	85.635	9.8	5.82	293
MW20-15S	D	4936242.801	25568334.52	93.05	DRY	5.360	DRY	DRY	DRY	DRY
MW20-15D	D	4936242.238	25568333.65	92.999	7.680	9.840	85.319	9.1	6.59	580
MW20-16	D	4936523.067	25568356.68	103.832	5.215	12.160	98.617	11.1	6.42	112
MW20-17S	A	4936428.866	25567865.24	102.516	2.340	8.440	100.176	10.7	10.30	140
MW20-17D	A	4936428.017	25567864.95	102.969	6.345	12.640	96.624	8.6	5.40	133

Measurement Date A: 27 September 2022

Measurement Date B: 27 September 2022

Measurement Date C: 28 September 2022

Measurement Date D: 29 September 2022

** = Field Equipment Malfunction

Table H3: Groundwater Levels and Elevations (December 2022)

Well ID	Date	GPS Coordinates		TOC ELEVATION	Static Water Level (mbtoc)	Bottom of Well (mbtoc)	GW Elevation	Temp (°C)	pH	Cond (m/s)
Static Water Levels							Field Parameters			
MW1-S	A	4936163.536	25568040.815	86.012	0.940	1.940	85.072	6.1	6.99	**
MW1-D	A	4936162.568	25568040.673	85.685	2.190	8.170	83.495	9.6	6.39	**
MW2-S	A	4936277.310	25568375.605	91.820	1.405	3.510	90.415	5.6	6.56	**
MW2-M	A	4936274.757	25568375.361	91.449	4.240	8.600	87.209	9.4	6.46	**
MW2-D	A	4936272.861	25568375.262	91.406	4.495	12.160	86.911	7.7	6.64	**
MW3	B	4936457.437	25568057.254	0.000	2.020	11.190	-2.020	9.3	8.15	170
MW5-S	A	4936482.333	25568427.429	97.217	1.360	5.100	95.857	6.1	6.53	**
MW5-D	A	4936483.003	25568426.186	97.211	1.360	9.630	95.851	7.8	6.59	**
MW6-S	A	4936176.081	25568121.534	89.726	2.170	3.380	87.556	5.6	6.30	**
MW6-D	A	4936174.415	25568121.994	89.760	2.250	6.370	87.510	9.9	6.40	**
MW7-S	B	4936202.281	25568000.533	88.540	2.155	2.910	86.385	7.6	6.91	268
MW7-D	B	4936202.901	25567999.515	88.574	2.750	5.010	85.824	9.1	6.12	390
MW8-S	B	4936310.700	25568302.379	98.204	3.840	7.300	94.364	9.9	7.44	1229
MW8-D	B	4936311.210	25568303.588	97.882	5.780	23.400	92.102	8.6	7.49	336
MW19-03D	B	4936457.362	25568056.050	113.514	9.210	14.470	104.304	8.5	7.78	134
MW19-09S	B	4936315.097	25567976.210	95.753	1.780	6.990	93.973	10.2	7.83	180
MW19-10S	B	4936383.454	25568157.550	102.697	4.220	5.070	98.477	9.4	6.18	216
MW19-11M	B	4936205.289	25568220.310	90.382	1.455	5.200	88.927	7.8	6.65	499
MW19-11D	B	4936206.602	25568220.720	90.487	1.695	7.950	88.792	9.1	6.60	906
PW19-01	B	4936311.923	25568005.700	95.980	1.610	6.960	94.370	9.2	7.30	298
MW19-12S	B	4936362.937	25568382.920	95.684	1.870	3.050	93.814	5.6	7.90	301
MW19-12D	B	4936364.332	25568382.470	95.579	1.730	7.680	93.849	8.6	6.59	276
MW19-13S	B	4936123.500	25567992.758	76.949	2.310	4.260	74.639	8.3	5.25	140
MW19-13D	B	4936123.422	25567991.611	76.979	3.730	8.510	73.249	9.7	5.89	147
MW20-14S	B	4936220.664	25568307.2	90.727	2.430	5.260	88.297	8.7	6.65	127
MW20-14D	B	4936220.163	25568306.64	90.615	4.060	9.900	86.555	8.8	6.28	497
MW20-15S	B	4936242.801	25568334.52	93.05	4.340	4.900	88.710	8.9	6.7	384
MW20-15D	B	4936242.238	25568333.65	92.999	6.560	9.880	86.439	9.1	7.00	823
MW20-16	B	4936523.067	25568356.68	103.832	5.765	12.180	98.067	10.2	6.79	171
MW20-17S	B	4936428.866	25567865.24	102.516	1.340	8.440	101.176	8.8	8.02	133
MW20-17D	B	4936428.017	25567864.95	102.969	6.030	12.570	96.939	8.7	8.04	136

Measurement Date A: 14 December 2022

Measurement Date B: 16 December 2022

** = Conductivity Sensor Error

Table H3: Groundwater Levels and Elevations (March 2023)

Well ID	Date	GPS Coordinates		TOC ELEVATION	Static Water Level (mbtoc)	Bottom of Well (mbtoc)	GW Elevation	Temp (°C)	pH	Cond (m/s)
Static Water Levels							Field Parameters			
MW1-S	A	4936163.536	25568040.815	86.012	0.805	1.900	85.207	2.2	7.29	1506
MW1-D	A	4936162.568	25568040.673	85.685	2.200	5.710	83.485	6.0	6.73	1456
MW2-S	A	4936277.310	25568375.605	91.820	1.725	3.510	90.095	2.7	6.82	235
MW2-M	A	4936274.757	25568375.361	91.449	4.695	8.600	86.754	7.9	7.13	255
MW2-D	A	4936272.861	25568375.262	91.406	4.880	12.160	86.526	7.7	6.97	365
MW3	B	4936457.437	25568057.254	0.000	1.950	11.190	-1.950	7.6	8.44	252
MW5-S	A	4936482.333	25568427.429	97.217	1.685	5.040	95.532	5.1	6.95	210
MW5-D	A	4936483.003	25568426.186	97.211	1.680	9.640	95.531	6.4	6.97	227
MW6-S	A	4936176.081	25568121.534	89.726	2.300	3.420	87.426	3.2	6.75	296
MW6-D	A	4936174.415	25568121.994	89.760	2.390	6.380	87.370	7.2	6.50	1619
MW7-S	B	4936202.281	25568000.533	88.540	2.245	2.930	86.295	4.2	7.49	320
MW7-D	B	4936202.901	25567999.515	88.574	2.780	5.010	85.794	6.7	6.21	558
MW8-S	B	4936310.700	25568302.379	98.204	4.120	7.340	94.084	6.3	7.51	2026
MW8-D	B	4936311.210	25568303.588	97.882	6.290	23.400	91.592	8.5	7.70	500
MW19-03D	B	4936457.362	25568056.050	113.514	9.170	14.600	104.344	8.0	8.00	218
MW19-09S	B	4936315.097	25567976.210	95.753	1.875	6.990	93.878	6.8	8.02	278
MW19-10S	B	4936383.454	25568157.550	102.697	4.270	5.030	98.427	6.0	6.31	326
MW19-11M	B	4936205.289	25568220.310	90.382	1.970	5.200	88.412	3.7	7.03	507
MW19-11D	B	4936206.602	25568220.720	90.487	2.190	7.950	88.297	7.7	6.74	1957
PW19-01	B	4936311.923	25568005.700	95.980	1.810	6.950	94.170	4.7	7.40	328
MW19-12S	C	4936362.937	25568382.920	95.684	2.100	3.050	93.584	0.9	7.33	342
MW19-12D	C	4936364.332	25568382.470	95.579	1.960	7.680	93.619	5.7	6.84	398
MW19-13S	C	4936123.500	25567992.758	76.949	2.465	4.260	74.484	5.0	6.89	146
MW19-13D	C	4936123.422	25567991.611	76.979	3.925	8.500	73.054	7.6	6.26	211
MW20-14S	C	4936220.664	25568307.2	90.727	2.670	5.260	88.057	4.8	6.30	333
MW20-14D	C	4936220.163	25568306.64	90.615	4.260	9.900	86.355	6.9	6.14	555
MW20-15S	C	4936242.801	25568334.52	93.05	4.420	5.280	88.630	1.3	7.1	581
MW20-15D	C	4936242.238	25568333.65	92.999	6.740	9.880	86.259	7.2	7.14	1257
MW20-16	B	4936523.067	25568356.68	103.832	5.540	12.170	98.292	7.4	7.33	272
MW20-17S	C	4936428.866	25567865.24	102.516	1.940	9.450	100.576	7.1	7.99	196
MW20-17D	C	4936428.017	25567864.95	102.969	5.970	12.570	96.999	8.4	8.30	206

Measurement Date A: 9 March 2023

Measurement Date B: 10 March 2023

Measurement Date C: 13 March 2023

Table H4: Surface Water Field Parameters

SW Location	Diffuser		SW1		SW2		SW3		SW4		SW13		SW14		SW19-20		LDO	
	pH	Cond (us/cm)	pH	Cond (us/cm)	pH	Cond (us/cm)	pH	Cond (us/cm)	pH	Cond (us/cm)	pH	Cond (us/cm)	pH	Cond (us/cm)	pH	Cond (us/cm)	pH	Cond (us/cm)
2018																		
11/8/2018	-	-	7.68	556.0	6.14	63.9	6.14	35.1	6.55	46.5	8.48	573.0	7.79	354.7	-	-	-	-
2019																		
11/19/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2020																		
4/1/2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/1/2020	5.22	31.5	5.19	33.2	5.33	32.7	5.41	32.2	5.28	31.8	7.42	121.9	-	-	6.69	1069	-	-
7/17/2020	4.90	36.3	4.83	34.5	4.97	36.0	5.32	43.3	4.96	36.6	-	-	-	-	-	-	-	-
7/29/2020	5.35	35.3	5.56	35.6	5.90	36.2	5.81	40.9	5.25	35.5	-	-	-	-	-	-	-	-
8/11/2020	5.62	118.3	5.71	116.6	5.57	121.2	5.54	123.8	5.47	118.0	-	-	-	-	-	-	-	-
8/24/2020	5.90	122.5	5.88	124.6	6.22	132.3	5.81	130.3	5.84	124.0	DRY	DRY	DRY	DRY	DRY	DRY	-	-
9/8/2020	5.95	125.5	6.14	131.6	5.88	125.9	5.86	127.9	-	-	DRY	DRY	DRY	DRY	DRY	DRY	-	-
9/23/2020	4.84	183.5	5.53	181.4	6.31	184.4	4.94	187.9	4.89	186.2	5.97	223.1	6.94	1272	7.54	1951	-	-
10/6/2020	4.92	152.1	4.92	156.7	5.11	153.8	5.24	218.8	5.09	157.7	6.69	425.3	DRY	DRY	7.10	2302	-	-
10/23/2020	4.67	175.2	4.41	180.4	4.71	175.7	5.59	226.1	4.78	181.1	6.56	291.6	DRY	DRY	7.06	3460	-	-
11/5/2020	5.09	181.7	4.41	184.9	4.67	186.5	5.56	199.3	4.97	185.0	7.01	333.2	DRY	DRY	7.28	2480	-	-
11/20/2020	4.60	183.4	4.93	177.1	4.60	182.7	5.54	326.7	4.92	184.4	6.33	266.7	DRY	DRY	DRY	DRY	-	-
11/30/2020	5.16	184.9	5.60	180.7	5.21	185.9	5.92	449.3	5.01	191.2	6.55	316.4	DRY	DRY	7.29	5318	-	-
12/14/2020	3.97	51.2	4.54	55.6	4.02	52.6	4.11	51.1	3.97	51.2	5.24	82.0	DRY	DRY	5.84	938	-	-
12/28/2020	4.71	55.9	4.21	52.8	4.74	54.8	5.62	99.6	4.88	55.5	5.73	84.9	DRY	DRY	6.59	564	-	-
2021																		
3/25/2021	5.78	37.3	6.16	35.1	6.00	37.8	5.77	40.7	5.79	39.1	7.21	67.7	6.29	478.2	Frozen	Frozen	-	-
4/8/2021	4.64	32.7	5.14	32.9	4.71	32.6	5.33	51.0	4.69	32.7	8.07	62.6	DRY	DRY	6.71	871	-	-
4/21/2021	4.57	35.8	4.64	36.2	4.87	37.0	4.98	37.7	4.67	36.9	7.26	75.1	DRY	DRY	5.89	945	-	-
5/5/2021	5.84	36.3	6.10	35.9	6.69	37.8	5.84	46.7	5.71	36.9	8.00	80.4	DRY	DRY	6.11	997	-	-
5/19/2021	5.31	33.4	5.44	32.6	6.08	34.2	5.47	34.2	5.20	33.5	7.56	102.5	DRY	DRY	DRY	DRY	-	-
6/3/2021	5.83	37.8	5.71	34.2	5.93	37.4	5.86	39.4	5.66	37.6	7.00	77.6	DRY	DRY	6.61	852	-	-
6/14/2021	5.65	37.6	6.50	37.0	6.17	36.8	5.72	37.7	5.89	37.6	6.51	360.6	DRY	DRY	6.78	1233	-	-
6/30/2021	6.08	40.0	6.38	41.1	6.15	39.5	5.79	43.0	5.78	39.9	6.30	350.6	DRY	DRY	DRY	DRY	-	-
7/14/2021	6.11	40.4	5.88	41.1	6.06	40.6	6.61	41.2	6.74	40.9	6.41	324.2	DRY	DRY	DRY	DRY	-	-
7/27/2021	5.68	40.7	5.61	41.1	5.67	40.8	5.63	41.1	5.62	40.8	6.58	87.7	DRY	DRY	6.93	1314	-	-
8/11/2021	4.60	40.7	4.65	40.8	4.72	40.8	4.76	40.8	4.72	40.4	6.81	103.5	DRY	DRY	6.69	1001	-	-
9/8/2021	5.70	44.8	7.87	46.2	6.33	44.7	5.86	46.7	5.76	44.9	6.68	289.8	DRY	DRY	7.27	864	-	-
9/23/2021	5.53	42.7	5.74	40.6	5.48	43.3	5.59	47.7	5.66	42.9	6.22	280.4	DRY	DRY	6.65	1143	-	-
10/6/2021	5.21	44.9	6.67	44.0	5.52	45.2	5.26	49.7	5.08	45.0	6.66	316.0	DRY	DRY	6.63	776	-	-
10/19/2021	4.82	44.8	5.35	42.1	4.89	44.9	5.07	56.2	5.02	44.7	5.36	248.1	DRY	DRY	5.14	873	-	-
11/2/2021	4.51	44.2	4.51	43.2	4.65	44.5	4.66	45.2	4.60	44.3	6.37	390.8	DRY	DRY	6.78	1038	-	-
11/21/2021	-	-	4.66	63.8	4.88	50.0	4.68	60.9	4.53	49.9	6.21	87.6	DRY	DRY	5.44	721	-	-
12/1/2021	-	-	*	*	*	*	6.68	47.9	*	*	6.58	68.5	DRY	DRY	5.87	429	-	-
12/15/2021	-	-	4.53	43.0	3.63	43.6	3.76	47.2	3.21	46.2	5.99	70.4	DRY	DRY	4.90	556	-	-
2022																		
3/25/2022	-	-	4.14	36.0	5.94	37.7	6.35	37.8	5.02	36.2	6.74	72.6	DRY	DRY	6.51	460	-	-
4/6/2022	-	-	5.58	31.9	5.51	30.9	5.31	30.5	5.04	30.4	6.79	65.2	DRY	DRY	6.32	392	-	-
4/19/2022	-	-	4.16	31.6	4.36	31.6	4.71	33.0	4.65	32.3	5.28	97.5	DRY	DRY	6.47	766	-	-
5/4/2022	-	-	8.06†	30.9	8.40†	30.1	8.24†	30.5	8.41†	30.1	9.56†	48.5	DRY	DRY	9.47†	432	-	-
5/19/2022	-	-	‡	‡	‡	‡	‡	‡	‡	‡	7.13	60.1	DRY	DRY	6.64	773	-	-
5/31/2022	-	-	4.40	34.2	4.84	34.3	5.80	57.9	5.00	53.2	6.49	66.6	-	-	6.67	893	-	-
6/16/2022	-	-	4.10	36.5	5.06	34.8	4.69	35.1	4.63	34.3	5.91	65.0	-	-	6.61	970	-	-
6/27/2022	-	-	4.13	35.9	5.03	37.6	4.65	40.0	4.09	36.8	7.44	88.7	-	-	6.27	989	-	-
9/29/2022	-	-	3.94	28.0	5.07	29.0	6.02	57.0	4.41	26.0	5.55	39.0	-	-	6.86	293	6.69	271
12/14/2022	-	-	3.73	*	4.46	*	3.92	*	3.47	*	6.01	*	-	-	6.39	*	6.76	*
2023																		
4/14/2023	-	-	4.46	27.4	5.76	27.1	4.68	27.1	4.46	26.7	7.31	75.8	-	-	6.40	764	6.12	350

"-": data not available or collected

Diffuser installed mid-July 2020 and removed 16 September 2021

* - Field parameter reading error

† - Field parameter reading error. pH value were consistently too high, but the conductivity values were comperable. Lab results suggested similar assumption

‡ - Sample boat was stolen. Sample points inaccessible. No samples were collected

Appendix I. Trend Analysis Summary Tables

TABLE I1: Groundwater Trend Analysis Summary Table

Monitoring Well (MW) ID	Shallow or Deep MW	Landfill Cell Area	Former BDAs	LTPA and SPs	METALS																	
					Arsenic		Boron		Cadmium		Cobalt		Chromium		Iron		Lead		Manganese		Uranium	
					Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020
MW1-S	Shallow	Downgradient	Cross-Gradient	Cross-Gradient	no	no	up	no	down	down	no	no	no	no	no	no	no	down	no	up	no	
MW1-D	Deep	Downgradient	Cross-Gradient	Cross-Gradient	no	no	up	no	no	no	no	no	no	no	no	no	no	up	no	up	no	
MW2-S	Shallow	Cross-Gradient	Downgradient	Cross-Gradient	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	
MW2-M	Deep	Cross-Gradient	Downgradient	Cross-Gradient	no	no	up	no	down	no	no	no	no	no	no	no	down	no	up	no		
MW2-D	Deep	Cross-Gradient	Downgradient	Cross-Gradient	no	no	up	no	no	no	no	no	no	no	no	no	no	no	no	no	no	
MW3	Shallow	Upgradient	Upgradient	Upgradient	no	no	up	no	no	no	no	no	no	no	no	no	no	no	no	no	no	
MW5-S	Shallow	Upgradient	Downgradient	Cross-Gradient	no	no	up	no	down	no	no	no	no	no	no	no	no	no	no	no	no	
MW5-D	Deep	Upgradient	Downgradient	Cross-Gradient	no	no	up	no	no	no	no	no	no	no	no	no	no	no	no	no	no	
MW6-S	Shallow	Downgradient	Cross-Gradient	Cross-Gradient	no	no	no	no	down	down	down	no	no	no	no	no	down	no	no	no	no	
MW6-D	Deep	Downgradient	Cross-Gradient	Cross-Gradient	down*	no	down*	down	down	no	no	no	down*	no	no	down*	down	no	no	no	no	
MW7-S	Shallow	Cross-Gradient	Downgradient	Downgradient	no	no	down	no	down	no	down	no	no	no	no	down	no	no	no	no	no	
MW7-D	Deep	Cross-Gradient	Downgradient	Downgradient	up	no	no	no	down	no	up	down	no	no	down	no	up	no	up	no	no	
MW8-S	Shallow	Cross-Gradient	Downgradient	Cross-Gradient	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	
MW8-D	Deep	Cross-Gradient	Downgradient	Cross-Gradient	no	no	no	no	down	no	no	no	no	no	no	no	up	no	up	no	no	
MW19-03D	Deep	Upgradient	Upgradient	Upgradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW19-09S	Shallow	Upgradient	Cross-Gradient	Downgradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW19-10S	Shallow	Upgradient	Downgradient	Cross-Gradient	-	no	-	down	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW19-11M	Deep	Downgradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW19-11D	Deep	Downgradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW19-12S	Shallow	Cross-Gradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW19-12D	Deep	Cross-Gradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW19-13S	Shallow	Cross-Gradient	Downgradient	Downgradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW19-13D	Deep	Cross-Gradient	Downgradient	Downgradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW20-14S	Shallow	Cross-Gradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	down	-	no	no	
MW20-14D	Deep	Cross-Gradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW20-15S	Shallow	Cross-Gradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW20-15D	Deep	Cross-Gradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW20-16	Deep	Upgradient	Upgradient	Upgradient	-	no	-	no	-	down	-	no	-	no	-	no	-	no	-	no	no	
MW20-17S	Shallow	Upgradient	Upgradient	Upgradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW20-17D	Deep	Upgradient	Upgradient	Upgradient	-	no	-	no	-	no	-	no	-	no	-	down	-	no	-	no	no	
PW19-01	Shallow	Upgradient	Cross-Gradient	Downgradient	-	down	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	

Monitoring Well (MW) ID	Shallow or Deep MW	Landfill Cell Area	Former BDAs	LTPA and SPs	GENERAL CHEMISTRY																PETROLEUM HYDROCARBONS			
					Alkalinity		Calcium		Chloride		Conductivity		Hardness		pH		Sulphate		Total Organic Carbon (TOC)		Total Dissolved Solids (TDS)		Total Petroleum Hydrocarbons (TPH)	
					Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020
MW1-S	Shallow	Downgradient	Cross-Gradient	Cross-Gradient	up	no	up	no	no	no	no	no	up	no	no	no	up	no	no	no	up	no	no	no
MW1-D	Deep	Downgradient	Cross-Gradient	Cross-Gradient	up	no	up	no	up	no	up	no	up	no	up	no	up	no	no	no	up	no	no	no
MW2-S	Shallow	Cross-Gradient	Downgradient	Cross-Gradient	no	no	no	no	down	no	down	down	no	no	no	down	no	no	no	down	no	down	no (UC)	
MW2-M	Deep	Cross-Gradient	Downgradient	Cross-Gradient	up	no	no	no	down	no	no	no	no	no	no	no	no	no	no	no	no	no	no (UC)	
MW2-D	Deep	Cross-Gradient	Downgradient	Cross-Gradient	up	no	no	no	down	no	no	no	no	no	no	no	no	no	no	no	no	no	no (UC)	
MW3	Shallow	Upgradient	Upgradient	Upgradient	no	no	up	no	no	no	no	up	no	no	no	no	no	no	no	no	no	no	no	
MW5-S	Shallow	Upgradient	Downgradient	Cross-Gradient	up	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no (UC)	
MW5-D	Deep	Upgradient	Downgradient	Cross-Gradient	up	down	up	no	no	no	no	up	no	down	no	no	no	no	no	no	no	no	no	
MW6-S	Shallow	Downgradient	Cross-Gradient	Cross-Gradient	up	no	no	no	down	down	no	down	down	up	no	down	no	no	no	down	no	no	no (UC)	
MW6-D	Deep	Downgradient	Cross-Gradient	Cross-Gradient	down*	down	down*	no	no	no	down	down*	down	no	down*	down	no	down	down	down*	down	no	no	
MW7-S	Shallow	Cross-Gradient	Downgradient	Downgradient	up	no	down	no	down	no	down	no	up	no	down	no	no	no	no	down	no	no	no	
MW7-D	Deep	Cross-Gradient	Downgradient	Downgradient	up	no	up	no	no	no	no	up	no	up	no	no	no	no	no	up	no	no	no (UC)	
MW8-S	Shallow	Cross-Gradient	Downgradient	Cross-Gradient	up	no	no	no	down	no	no	no	no	no	no	no	no	no	no	no	no	no	no	
MW8-D	Deep	Cross-Gradient	Downgradient	Cross-Gradient	no	no	up	no	no	no	no	no	no	down	no	up	no	no	no	up	no	no	no	
MW19-03D	Deep	Upgradient	Upgradient	Upgradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW19-09S	Shallow	Upgradient	Cross-Gradient	Downgradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW19-10S	Shallow	Upgradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW19-11M	Deep	Downgradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no (UC)	
MW19-11D	Deep	Downgradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no (UC)	
MW19-12S	Shallow	Cross-Gradient	Downgradient	Cross-Gradient	-	no	-	no	-	down	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW19-12D	Deep	Cross-Gradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW19-13S	Shallow	Cross-Gradient	Downgradient	Downgradient	-	down	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no (UC)	
MW19-13D	Deep	Cross-Gradient	Downgradient	Downgradient	-	no	-	down	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW20-14S	Shallow	Cross-Gradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW20-14D	Deep	Cross-Gradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW20-15S	Shallow	Cross-Gradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no (UC)	
MW20-15D	Deep	Cross-Gradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no (UC)	
MW20-16	Deep	Upgradient	Upgradient	Upgradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no (UC)	
MW20-17S	Shallow	Upgradient	Upgradient	Upgradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
MW20-17D	Deep	Upgradient	Upgradient	Upgradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
PW19-01	Shallow	Upgradient	Cross-Gradient	Downgradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no (UC)	

Notes:
 Up = upward trend
 Down = downward trend
 Down* = upward trend until 2012, then downward trend
 No = no trend identified
 No (UC) = false trend change - unidentified compound
 Pre-2015: any changes in trend direction since 2015
 Post-2020: any changes in trend direction starting in 2020 (August 2020 when on-site construction commenced)
 MW19-xx, PW19-xx and MW20-xx: these wells do not have associated historic data (Pre-2015)
 - = Not Applicable

TABLE I2: Surface Water Trend Analysis Summary Table

SW Location	Landfill Cell Area	Former BDAs	LTPA and SPs	METALS																			
				Aluminum		Arsenic		Boron		Cadmium		Cobalt		Chromium		Iron		Lead		Manganese		Uranium	
				Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020
SW1	Upgradient	Upgradient	Upgradient	no	no	no	no	up	no	no	no	no	no	no	no	no	no	no	no	no	no	no	
SW2	Upgradient	Downgradient	Downgradient	no	no	no	up	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	
SW3	Downgradient	Downgradient	Downgradient	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	
SW4	Downgradient	Downgradient	Downgradient	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	down	no	no	
LDO	Upgradient/ Cross-Gradient	Downgradient	Downgradient	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SW13	Upgradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	
SW19-20	Downgradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	no	

SW Location	Landfill Cell Area	Former BDAs	LTPA and SPs	GENERAL CHEMISTRY																			
				Alkalinity		Calcium		Chloride		Conductivity		Hardness		pH		Sulfate		Total Organic Carbon		Total Dissolved Solids		Total Suspended (TSS)	
				Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020	Pre-2015	Post-2020
SW1	Upgradient	Upgradient	Upgradient	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	-	no
SW2	Upgradient	Downgradient	Downgradient	no	no	down	no	no	no	down	no	down	no	no	no	down	no	no	no	down	no	-	no
SW3	Downgradient	Downgradient	Downgradient	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	down	no	-	down
SW4	Downgradient	Downgradient	Downgradient	no	no	down	no	no	no	down	no	down	no	no	no	down	no	up	no	down	no	-	down
LDO	Upgradient/ Cross-Gradient	Downgradient	Downgradient	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW13	Upgradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no
SW19-20	Downgradient	Downgradient	Cross-Gradient	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no	-	no

SW Location	Landfill Cell Area	Former BDAs	LTPA and SPs	PETROLEUM HYDROCARBONS	
				Total Petroleum Hydrocarbons (TPH)	
				Pre-2015	Post-2020
SW1	Upgradient	Upgradient	Upgradient	-	no
SW2	Upgradient	Downgradient	Downgradient	-	no
SW3	Downgradient	Downgradient	Downgradient	-	no
SW4	Downgradient	Downgradient	Downgradient	-	no
LDO	Upgradient/ Cross-Gradient	Downgradient	Downgradient	-	-
SW13	Upgradient	Downgradient	Cross-Gradient	-	no
SW19-20	Downgradient	Downgradient	Cross-Gradient	-	no

Notes:

- Up = upward trend
- Down = downward trend
- No = no trend identified
- Pre-2015: Any changes in trend direction since 2015
- Post-2020: Any changes in trend direction starting in 2020 (August 2020 when on-site construction commenced)
- SW14: Not enough data to provide trends analysis for all parameters. Minimum sample results required for trend analysis is 4 samples.
- SW13, SW19-20, Diffuser: These sample locations do not have associated historical analytical data.
- Total Petroleum Hydrocarbons (TPH), Total Suspended Solids (TSS): Collected starting in 2019 / 2020 and do not have associated historical analytical data.

Appendix J. QA/QC Summary Tables

Appendix J — QA/QC Review

Groundwater

To assess the quality of the analytical data gathered during this program, a review of the laboratory results relating to field duplicate analyses was completed. Criteria was based on the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, and amended as of July 1, 2011, published by the Laboratory Services Branch of the Ministry of the Environment (MOE).

The Quality Control parameter reviewed was duplicate precision (relative percent difference (RPD)). Since the uncertainty associated with a measurement increases dramatically as the result approaches the reporting limit (RL), the duplicate acceptance limits apply only when the two duplicates had detectable quantities and the average of the two duplicates is greater than five times the RL. The RPD limit for groundwater is 30%.

All field duplicates met the duplicate acceptance limits except for the ones listed in **Table J1** below.

Analyte, Fraction	Detection Limit Pri.	Detection Limit Dup.	Units	Primary	Duplicate	Primary vs. Duplicate
				MW19-09S_20220928	DUP1_20220928	
Copper, D	0.5	0.5	ug/l	2.6	<0.5	135.50%
Ion Balance	0	0	%	0.530	1.39	89.60%
Langelier Index (at 20 C)	0	0	none	0.360	0.506	33.70%
Langelier Index (at 4 C)	0	0	none	0.109	0.256	80.50%
				MW19-12D_20220930	DUP 3_20220930	
Total Suspended Solids	10	10	mg/l	320	1300	121.00%
Turbidity	0.1	1	ntu	21	210	163.60%
				MW19-13D_20220328	DUP1_20220328	
Ion Balance	0	0	%	2.22	3.31	39.40%
Total Suspended Solids	10	5	mg/l	380	270	33.80%
				MW2-D_20221214	DUP1_20221214	
Barium, D	1	1	ug/l	29	15	63.60%
Chloride ion, D	1	1	mg/l	25	11	77.80%
Langelier Index (at 20 C)	0	0	none	0.470	0.772	48.60%
Langelier Index (at 4 C)	0	0	none	0.221	0.523	81.20%
Orthophosphate(as P)	0.01	0.01	mg/l	0.050	<0.01	133.30%
Reactive Silica (SiO2)	0.5	0.5	mg/l	14	8.7	46.70%
Sulphate, D	2	2	mg/l	61	90	38.40%
Total Suspended Solids	100	1	mg/l	1900	28	194.20%
Turbidity	1	0.1	ntu	420	2.2	197.90%
				MW20-17D_20221216	DUP3_20221216	
Alkalinity, Bicarbonate (as CaCO3)	1	1	mg/l	83	200	82.70%
Alkalinity, Total (As CaCO3), T	2	2	mg/l	84	200	81.70%

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Former Landfill Site Harrietsfield, Nova Scotia

Anion Sum	0	0	meq/l	2.12	4.67	75.10%
Barium, D	1	1	ug/l	22	79	112.90%
Calcium, D	100	100	ug/l	24000	69000	96.80%
Cation Sum	0	0	meq/l	2.09	5	82.10%
Copper, D	0.5	0.5	ug/l	6.7	2.7	85.10%
Electrical Conductivity	1	1	us/cm	200	430	73.00%
Hardness (as CaCO3)	1	1	mg/l	76	210	93.70%
Ion Balance	0	0	%	0.710	3.41	131.10%
Langelier Index (at 20 C)	0	0	none	0.0970	0.62	145.90%
Langelier Index (at 4 C)	0	0	none	-0.154	0.371	200.00%
Magnesium, D	100	100	ug/l	3700	10000	92.00%
Manganese, D	2	2	ug/l	63	730	168.20%
Potassium, D	100	100	ug/l	1100	1800	48.30%
Reactive Silica (SiO2)	0.5	0.5	mg/l	8.8	13	38.50%
Strontium, D	2	2	ug/l	77	220	96.30%
Sulphate, D	2	2	mg/l	8.6	22	87.60%
Total Dissolved Solids (Lab)	1	1	mg/l	120	260	73.70%
Total Suspended Solids	100	500	mg/l	13000	19000	37.50%
				MW3_20220330	DUP3_20220330	
Ion Balance	0	0	%	0.420	0.21	66.70%
				MW6-D_20220603	DUP3_20220603	
Ion Balance	0	0	%	1.86	1.06	54.80%
Langelier Index (at 4 C)	0	0	none	0.681	0.481	34.40%
				MW8-D_20220602	DUP1_20220602	
Copper, D	0.5	0.5	ug/l	2.8	1.1	87.20%
Ion Balance	0	0	%	0.510	1.5	98.50%
Total Suspended Solids	2.5	5	mg/l	91	200	74.90%
				MW8-D_20220929	DUP2_20220929	
Ion Balance	0	0	%	1.94	0.35	138.90%
				MW8-D_20221216	DUP2_20221216	
Barium, D	1	1	ug/l	8.4	21	85.70%
Total Suspended Solids	2.5	1.1	mg/l	96	38	86.60%
Turbidity	0.1	0.1	ntu	0.35	3.3	161.60%
				PW19-01_20220603	DUP2_20220603	
Ion Balance	0	0	%	0.240	1.82	153.40%
Langelier Index (at 4 C)	0	0	none	0.527	0.717	30.50%
Turbidity	0.1	1	ntu	44	720	177.00%

Notes: bold - exceedance to applicable NSE-EQS criteria

The specific analyte results for these samples are thus qualified as estimated likely due to variability caused by sample heterogeneity, as the laboratory replicate RPD's all met acceptable limits. It should be noted that of the analytes that have applicable criteria, both the primary and duplicate results are far below the NSE-EQS criteria or already are indicated as an exceedance, thus the acceptability of these samples should not be affected.

Surface Water

To assess the quality of the analytical data gathered during this program, a review of the laboratory results relating to field duplicate analyses was completed. Criteria was based on the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, and amended as of July 1, 2011, published by the Laboratory Services Branch of the Ministry of the Environment (MOE).

The Quality Control parameter reviewed was duplicate precision (relative percent difference (RPD)). Since the uncertainty associated with a measurement increases dramatically as the result approaches the reporting limit (RL), the duplicate acceptance limits apply only when the two duplicates had detectable quantities and the average of the two duplicates is greater than five times the RL. The RPD limit for surface water is 30%.

All field duplicates met the duplicate acceptance limits except for the ones listed in **Table J2** below.

Table J2: Surface Water RPD Summary

Analyte, Fraction	Detection Limit Pri.	Detect ion Limit Dup.	Units	Primary	Duplicate	Primary vs. Duplicate
				SW13_20220419	DUP1_20220419	
Alkalinity, Bicarbonate (as CaCO3)	1	1	mg/l	8.9	6.1	37.30%
				SW13_20220519	DUP1_20220519	
Alkalinity, Bicarbonate (as CaCO3)	1	1	mg/l	4.0	6.2	43.10%
Ion Balance	0	0	%	18.2	8.93	68.30%
				SW13_20220616	DUP1_20220616	
Alkalinity, Bicarbonate (as CaCO3)	1	1	mg/l	9.3	14	40.30%
Alkalinity, Total (As CaCO3), T	2	2	mg/l	9.3	14	40.30%
Ion Balance	0	0	%	11.1	0.76	174.40%
				SW13_20220627	DUP1_20220627	
Ion Balance	0	0	%	9.03	19.6	73.80%
				SW13_20220929	DUP1_20220929	
Alkalinity, Bicarbonate (as CaCO3)	1	1	mg/l	6.6	2.9	77.90%
Cadmium, T	0.01	0.01	ug/l	0.069	0.034	68.00%
Ion Balance	0	0	%	11.3	18	45.70%

Notes: bold - exceedance to applicable NSE-EQS criteria

The specific analyte results for these samples are thus qualified as estimated likely due to variability caused by sample heterogeneity, as the laboratory replicate RPD's all met acceptable limits. It should be noted that of the analytes that have applicable criteria, both the primary and duplicate results are far below the NSE-EQS criteria or already are indicated as an exceedance, thus the acceptability of these samples should not be affected.