Savannah River NUCLEAR SOLUTIONS℠

2025 Annual Comprehensive TNX Area Groundwater Monitoring and Remedial Action Effectiveness Interim Report (U)

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LIST OF ABBREVIATIONS AND ACRONYMS

1Q1995	first quarter of 1995
2Q2025	second quarter of 2025
4Q2025	fourth quarter of 2025
amsl	above mean sea level
bgs	below ground surface
CCl_4	carbon tetrachloride
cis-1,2-DCE	cis-1,2-dichloroethylene
cm	centimeter
DG	Discharge Gully
dh	change in hydraulic head
dl	horizontal distance between wells in direction of groundwater flow
DO	dissolved oxygen
DWPF	Defense Waste Processing Facility
EO	edible oil
EOS®	Emulsified Oil Substrate®
ESD	Explanation of Significant Difference
ft	feet
ft^3	cubic feet
GAU	Gordon Aquifer Unit
GCU	Gordon Confining Unit
HGCA	hybrid groundwater corrective action
in.	inch
IROD	Interim Record of Decision
kg	kilogram
K_h	hydraulic conductivity
km	kilometer
LAZ	Lower Aquifer Zone
lb	pound
m	meter
MCL	maximum contaminant level
MDL	method detection limit
mg/L	milligram per liter
µg/L	micrograms per liter
mi	mile
mV	millivolt
N	nitrogen
NO_2	nitrite
NO_3	nitrate

LIST OF ABBREVIATIONS AND ACRONYMS *(Continued/End)*

NTSB	New TNX Seepage Basin
ORP	oxidation-reduction potential
OTSB	Old TNX Seepage Basin
OU	Operable Unit
PCE	tetrachloroethylene
pCi/L	picocuries per liter
ppb	parts per billion
QA	quality assurance
QC	quality control
ROD	Record of Decision
RSL	regional screening level
SCDES	South Carolina Department of Environmental Services[1]
SRNL	Savannah River National Laboratory
SRNS	Savannah River Nuclear Solutions, LLC
SRS	Savannah River Site
SVE	soil vapor extraction
TAOU	T-Area Operable Unit
TBG	TNX Burying Ground
TCE	trichloroethylene
TNX OD	TNX Outfall Delta
TOC	total organic carbon
USDOE	United States Department of Energy
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UTRAU	Upper Three Runs Aquifer Unit
VC	chloroethylene (vinyl chloride)
VFA	volatile fatty acid
VOC	volatile organic compound
V&V	Verified and Validated
WSRC	Westinghouse Savannah River Company (prior to 2005)
WSRC	Washington Savannah River Company, LLC (post 2005)

[1] South Carolina Department of Environmental Services (SCDES) was known as South Carolina Department of Health and Environmental Control (SCDHEC) prior to July 1, 2024.

1.0 INTRODUCTION

This *2025 Annual Comprehensive TNX Area Groundwater Monitoring and Remedial Action Effectiveness Interim Report* was prepared to support the regulatory reporting requirements for the TNX Area Operable Unit (OU) at the Savannah River Site (SRS) and to provide results from the edible oil (EO) remedial action deployed in 2015. The reporting requirements are specified in Attachment 17 of the *TNX Groundwater Operable Unit Remedial Design Report/Remedial Action Work Plan (U) – Addendum: TNX Effectiveness Monitoring Strategy* (Westinghouse Savannah River Company [WSRC] 1999a). In accordance with the *TNX Area Effectiveness Monitoring Strategy*, an annual report is required to be submitted on or before June 30, 2026, to document groundwater conditions and to evaluate the remedial action effectiveness based on data collected during the second and fourth quarters of calendar year 2025.

Past operation processes within the TNX Area resulted in contamination of the vadose zone and groundwater. All potential sources of groundwater contamination were assessed and remediated as part of the TNX Area OU Record of Decision (ROD) (WSRC 2003) or the T-Area OU (TAOU) ROD (WSRC 2005a).

2.0 OPERABLE UNIT DESCRIPTION AND HISTORY

2.1 Unit History/Description

The TNX Area is in the southwest portion of the SRS, approximately 0.4 kilometers (km) (0.25 miles [mi]) east of the Savannah River (Figure A-1). The TNX Area was a pilot-scale testing and evaluation facility that supported nuclear fuel, target manufacturing chemical process, and the Defense Waste Processing Facility (DWPF). Past operations processes within the TNX Area resulted in contamination of the vadose zone and groundwater. The primary source of vadose zone and groundwater contamination is from the TNX Burial Ground (TBG) subunit. TNX Area OU subunits include the following: Old TNX Seepage Basin (OTSB)/Inactive Process Sewer Lines/Upper Discharge Gully, New TNX Seepage Basin (NTSB), the TBG, and TNX Groundwater (Figure A-2).

2.1.1 TNX Burying Ground (TBG)

The TBG was created in 1953 to dispose of debris that resulted from the explosion of an experimental separation process (Purex) in the TNX Area earlier that year. The separation process used nitric acid, organic solvents, and an evaporator to concentrate uranium. The debris included conduit, drums, tin, and structural steel contaminated with uranyl nitrate and depleted uranium. Between 1980 and 1984, most of the waste buried at the TBG was excavated and sent to the Radioactive Waste Burial Ground (643-7E). The remaining waste remains beneath the asphalt, building, and transformer pads. An estimated 27 kilograms (kg) (60 pounds [lbs]) of uranyl nitrate are thought to remain buried at the TBG.

2.1.2 Old TNX Seepage Basin (OTSB)

The OTSB was an unlined excavation designed to contain wastewater until it could seep into the underlying sediments that were believed to act as a natural ion-exchange media. The OTSB received process wastewater between 1956 and 1980 from pilot-scale tests conducted in the TNX Area for the DWPF and the General Separations Area. The waste discharged to the basin included a number of chemicals ranging from inorganic salts and low-level radionuclides to organic solvents. Waste stream components of particular interest include natural thorium, uranyl nitrate, mercuric nitrate, several aluminum and ammonium compounds, and tributyl phosphate. During periods of high flow, the OTSB periodically overflowed downhill into the Savannah River floodplain adjacent to the TNX facility. In 1980, area wastewater was re-routed from the OTSB to the NTSB. During closure of the OTSB in 1981, the remaining liquid was drained to the nearby floodplain. As result of draining the remaining liquid and overflow events, erosion occurred in the hillside forming a Discharge Gully (DG) and depositing in the wetlands as an outfall delta (Figure A-2).

2.1.3 New TNX Seepage Basin (NTSB)

The NTSB was an unlined excavation (constructed to replace the OTSB) that operated between 1980 and 1988. While in operation, the basin received waste from pilot-scale chemical processing tests for DWPF and chemical separation. The waste discharged to the basin included simulated, non-radioactive DWPF sludge; simulated, non-radioactive salt supernate; glass frit; other

processing chemicals; and laboratory sink wastewater. No hazardous waste was discharged to the basin. During periods of unusually high discharge, the seepage section of the basin overflowed to Outfall X-013A, located on the southeast corner of the NTSB, which in turn discharged to a local surface depression (Figure A-2).

2.1.4 TNX Groundwater

Shallow groundwater beneath the TNX Area has been contaminated with chlorinated volatile organic compounds (VOCs), such as trichloroethylene (TCE), tetrachloroethylene (PCE), and carbon tetrachloride (CCl_4). The source of groundwater contamination was assessed and remediated as part of the TNX Area OU ROD (WSRC 2003) or the TAOU ROD (WSRC 2005a). Specific remedial actions are listed in Section 2.2 of this document.

The TNX Groundwater consists of the groundwater beneath the TNX Area subunits described above and extending to the Savannah River. Groundwater at TNX is divided into two main aquifer systems: the Lower Aquifer Zone (LAZ) of the Upper Three Runs Aquifer Unit (UTRAU) and the underlying Gordon Aquifer Unit (GAU) system. The LAZ of the UTRAU is an unconfined water table aquifer present at the northeastern portion of TNX Area that pinches out as water elevations decline to the southwest. The GAU is a semi-confined aquifer approximately 6 to 12 meters (m) (20 to 40 feet [ft]) thick. Groundwater flows progressively from deep to shallow aquifers (i.e., upward hydraulic gradient) and to the Savannah River (WSRC 1998).

2.2 Regulatory and Operational History

In November 1994, an Interim ROD (IROD) was approved by the United States Department of Energy (USDOE), United States Environmental Protection Agency (USEPA), and South Carolina Department of Health and Environmental Control (SCDES[2]) (WSRC 1994). The IROD required installation of a hybrid groundwater corrective action (HGCA) for the VOC groundwater plume. The HGCA consisted of 1) a pump and treat system (recovery well network and low-profile air stripper) to treat and inhibit further migration of the 500 microgram per liter (µg/L) TCE plume; and 2) an airlift recirculation well located at the heart of the plume to expedite remediation.

[2] South Carolina Department of Environmental Services (SCDES) was known as South Carolina Department of Health and Environmental Control prior to July 1, 2024.

Figure A-3 shows the location of the TNX well system for the interim remedial action during startup and initial operations. The recirculation well system was determined to be ineffective at the TNX Area, due to both geological factors and the nature of the contamination. Consequently, an Explanation of Significant Difference (ESD) (WSRC 1997b) to the IROD was issued in accordance with Comprehensive Environmental Response, Compensation, and Liability Act regulations to remove the recirculation well from the HGCA. In 2002, a multi-well soil vapor extraction (SVE) system was added to the interim remedial action as part of a vadose zone source term remedy, via an ESD to the IROD (WSRC 2001).

In 2003, the TNX Area OU ROD was issued and outlined the selected remedy for the vadose zone and groundwater (WSRC 2003). The selected remedy was extraction in the high chlorinated VOC areas with monitoring/mixing zone and institutional controls. This remedy entailed SVE at high VOC concentration areas and operation of the existing T-1 Air Stripper pump and treat system until monitoring determined that passive remediation (mixing zone) and continued monitoring and institutional controls (i.e., land use controls) would be appropriate.

Between 2004 and 2006, the final remedial and removal action for the TNX Area OU and TAOU was completed. In 2005, the *Explanation of Significant Differences to the Record of Decision for the TNX Area Operable Unit* (WSRC 2005c) was issued to address principal threat source material in the soil associated with the OTSB/Inactive Process Sewer Line/DG subunit and selected sumps and a small area of contamination on the western exterior of Building 678-T. This change to the remedy increased the volume of material to be excavated for offsite disposal. The remedial action for the OTSB and the NTSB subunits is detailed in the *Post-Construction Report (PCR) for the TNX Area Operable Unit (U)* (Washington Savannah River Company, LLC [WRSC] 2005b). The remedial action for the TAOU, including the TNX Outfall Delta (TNX OD), is detailed in the *Post-Construction Report (PCR) for T Area Operable Unit (TAOU) (U)* (WSRC 2006). The removal action for the TNX OD, Lower DG, and Swamp is detailed in the *Removal Site Evaluation Report/Engineering Evaluation and Cost Analysis for the TNX Outfall Delta, Lower Discharge Gully, and Swamp Operable Unit (U)* (WSRC 2004). A summary of the remedial actions and removal action is provided below:

- Remedial action for the OTSB started in April 2005 and was completed in February 2006. Remedial action included excavation of contaminated soil, confirmation sampling, backfilling the basin and backfilling the DG.
- Remedial action for the NTSB started in August 2004 and was completed in December 2004. Remedial action included drainage of the basin, backfilling the basin, and grouting the process sewer line.
- Removal action to excavate soil from the TNX OD, Lower DG, and Inner Swamp was started in December 2004 and completed in September 2005. This removal action excavated radiologically contaminated soil from three areas within the Inner Swamp.
- Remedial action for the TAOU included a low permeability, geosynthetic cover system (i.e., TAOU cap) and a soil amendment. Construction of the TAOU cap was started in January 2006 and completed in November 2006. The soil amendment included application of apatite to the Inner Swamp and the TNX OD to attenuate the leachability of the radiological contaminants in the soil. The soil amendment application was completed in March 2006.

During 2005, the TNX Area OU was incorporated into an area-based remedial strategy for the TAOU, as documented in the TAOU ROD (WSRC 2005a). The TAOU is an area-based OU that incorporates most of the T-Area footprint and the TNX OD.

After completion of the TAOU cap, the T-1 Air Stripper operated from January to December 2007. In December 2007, the T-1 Air Stripper was placed in standby mode to accommodate a pilot treatability study for the deployment of EO onto the water table surface and into the water table aquifer to reduce VOC concentrations. The SVE system remained operational. The treatability study was initiated in February 2008 and completed in May 2010 (Savannah River National Laboratory [SRNL] 2012). Per agreement with USEPA and SCDES, the pump and treat system and T-1 Air Stripper were not returned to service during the subsequent groundwater sampling period to evaluate the overall effectiveness of the EO injections.

Results from the EO treatability study demonstrated EO as a viable remedial action technology that would reduce the VOC source more effectively than the pump and treat system. In 2013, the second ESD to the TNX Area OU ROD was approved which modified the groundwater remedy to add EO treatments as needed and remove the air stripper from service (Savannah River Nuclear Solutions, LLC [SRNS] 2012a). A trigger to inject additional EO was defined as a sustained rebound lasting over one (1) year in excess of 75 µg/L (parts per billion [ppb]) of TCE, PCE, or CCl_4 in any well if determined appropriate by the USDOE, USEPA, and SCDES. Modifications to the remedy did not impact operations of the passive SVE system, groundwater monitoring, and institutional controls (i.e., land use controls).

Although the conditions to trigger additional EO injections did not occur, SRS injected additional EO in 2015. The 2015 EO injections expanded the EO treatment area and re-injected EO into the original treatment area.

In 2022, SRS proposed to evaluate the SVE system based on reduced VOC concentrations and reduced mass removal rates to determine if residual mass remains in the vadose zone and which SVE wells should be operated to maximize mass removal. SRS concluded that the SVE remediation system was effective at removing VOC mass from the vadose zone and an insignificant residual VOC mass remains in the vadose zone. SRS recommended discontinuing SVE as a remedial action at the TNX OU (SRNS 2025b). A comment resolution meeting was held on January 6, 2026 to present the SVE evaluation results, discuss SRS's proposed SVE remediation shutdown, and resolve comments on the 2024 TNX Area groundwater report (SRNS 2025a) and stand-alone SVE evaluation report (SRNS 2025b). As a result of the January 6, 2026 meeting, the Core Team reached agreement that the SVE remedial action could be discontinued, all surface infrastructure removed, and abandonment of nine (9) of twenty (20) total SVE wells. Eleven (11) SVE wells were plugged and left in an inactive state to be used for future remedial action, if warranted. All SVE activity was shut down on March 24, 2026 after receiving USEPA and SCDES approval on the 2024 TNX Area groundwater report (SRNS 2025a) and the SVE evaluation report (SRNS 2025b) on January 29, 2026 and February 10, 2026, respectively.

2.3 Site Hydrogeology

The Floridan aquifer system is the aquifer system of concern within the TNX Area between Upper Three Runs Creek and the southern boundary of SRS. At TNX, the Floridan aquifer system is divided into two aquifer units separated by a confining unit. From top to bottom, they are known as the LAZ of the UTRAU, the Gordon Confining Unit (GCU), and the GAU (Figure A-4, Figure A-5, and Figure A-6). The GAU is separated into an upper and lower aquifer unit. The lower GAU is not depicted on Figures A-5 or Figure A-6. The unsaturated zone within the TNX Area includes fluvial terrace sediments and the sediments of the LAZ of the UTRAU, which lie atop the water-bearing units of the Floridan aquifer system.

The LAZ of the UTRAU is barely represented in the hydrostratigraphic section beneath the TNX Area. From east to west, the water table elevation drops from approximately 33 m (110 ft) above mean sea level (amsl) near TNX 24D to less than 27 m (88 ft) amsl in the TNX Swamp. Beneath the TNX Area, the clayey silt to silty clay beds of the GCU are sporadic, and the confining unit does not represent an effective aquitard. However, clayey silt to silty clay beds that occur in the GAU locally retard vertical groundwater movement within the aquifer. These beds represent a semi-confining zone that divides the upper and lower GAU. The water table aquifer includes the unconfined portion of the LAZ of the UTRAU in the northeast and the upper GAU southwest of TNX 24D.

The water table receives recharge from infiltrating precipitation and from the lower GAU through the semi-confining zone of the GAU. The lower GAU is at a higher pressure than the overlying upper GAU. This is evident by looking at average values for water level data collected between first quarter of 1995 (1Q1995) and fourth quarter of 2025 (4Q2025) from wells P 26A, P 26B, and P 26D (Appendix D, page D-3). The average hydraulic head measured in the lower GAU at P 26A is 35.5 m (116.6 ft) amsl which is approximately 3.0 m (10 ft) greater than the average hydraulic head measured in the upper GAU at P 26B (32.5 m [106.6 ft] amsl). The average hydraulic head measured in the LAZ of the UTRAU at P 26D is approximately 35.1 m (115 ft) amsl which is 2.6 m (8.4 ft) more than the average hydraulic head measured in the upper GAU. Water level data collected since the 1Q1995 from wells P 26A, P 26B, and P 26D indicate that the hydraulic

gradient is consistently upward from the lower GAU and downward from the LAZ of the UTRAU (Appendix D, page D-3).

The hydraulic conductivity of the water table varies from 6 to 18 m/day (20 to 60 ft/day) (WSRC 1997c), which is consistent with groundwater modeling analyses showing calibrated horizontal hydraulic conductivities in the range of 1.8 to 22.5 m/day (6 to 75 ft/day) (WSRC 2000).

The Savannah River is the major discharge point for the Floridan aquifer system and thus exerts control on the direction and rate of horizontal and vertical groundwater movement. Particle tracking from the groundwater model (WSRC 2000) illustrates westerly flow from TNX source areas to the Savannah River with some water discharging to the X-008 Ditch and wetlands (Figures A-7 and A-8). Particle tracking from the groundwater model was based on potentiometric data from 1990 to 1996, and figures from that model are provided in this report to support the current interpretation of the hydrogeologic conceptual model for the TNX OUs. A schematic cross-section of the TNX Area OUs is provided in Figure A-9.

The X-008 Ditch received process wastewater from the TNX facilities and effluent from the T-1 Air Stripper. The industrial wastewater source has been removed from the X-008 Outfall, meaning there is no longer any process wastewater being discharged to the X-008 Ditch, and will be removed from the National Pollutant Discharge Elimination System Permit when the permit is renewed. Water in the X-008 Ditch is a combination of surface water runoff, groundwater, and Savannah River water. During periods of low precipitation and low river stage, water flowing in the X-008 Ditch would be attributed from groundwater. In spring of 2022, a walkdown of the X-008 Ditch was conducted to observe flow in the ditch during a period of low precipitation and low river stage. The walkdown concluded that water was actively flowing in the X-008 ditch and is likely sourced by groundwater. This confirms the model results that a portion of groundwater flow is outcropping into the X-008 Ditch. In 1999, the United States Geological Survey (USGS) was contracted to assess the potential for natural attenuation processes in the TNX flood plain (USGS 1999). Results from the 1999 sampling event verified that VOC concentrations were elevated in the upper reaches of the X-008 Ditch but decreased to below detection limits downstream before the surface water discharged to the Savannah River. The decrease in VOC concentration was attributed to volatilization. Surface water samples are now collected semi-

annually at the headwaters of the ditch (X-008-DW1), at a midpoint (X-008-DW2), and at a downstream location (X-008-DW3) (Figure A-10). The surface water samples are analyzed for the same constituents as the monitoring wells in the wetlands (i.e., VOCs, metals, inorganics, and radionuclides).

The X-008 ditch has had numerous designations throughout historical documentation including X8, X-8, X08, X-08, X008, and X-008. Figures and figure captions referencing the X-008 Ditch were revised where applicable to reflect the "X-008" nomenclature with the exception of Figure A-3 and Figure A-7 that are not easily reproduced and will not be revised.

2.4 Remedial Action

The groundwater remedy selected in the 2003 TNX Area OU ROD (WSRC 2003) entailed SVE in high VOC concentration areas, operation of the existing T-1 Air Stripper pump and treat system, continued monitoring, and land use controls. In 2013, an ESD to the TNX Area OU ROD was issued which modified the groundwater remedy to permanently remove the T-1 Air Stripper system from service and add EO treatments as needed (SRNS 2012a). Figure A-9 is a schematic of the TNX Area OU and the remedial actions.

2.4.1 Objectives

The overall objectives of the groundwater remedial action are as follows:

- Protect future industrial workers from exposure to contaminated groundwater;
- Return groundwater to beneficial use;
- Prevent, minimize, or eliminate discharge of contaminated groundwater to surface water that would result in unacceptable risk to human or ecological receptors; and
- Minimize adverse impact to the wetland ecosystem of the TNX Area floodplain.

The EO remedial action has altered the natural state of the aquifer to allow for the reductive dechlorination and biological degradation of the TCE groundwater plume.

2.4.2 Soil Vapor Extraction

Two SVE treatability studies were performed in the vadose zone near the TBG: Phase I in 1997 (WSRC 1997d) and Phase II in 1999 (WSRC 1999b). Phases I and II utilized the recirculation well (i.e., TVR 1A) and associated monitoring wells (i.e., TVM series, 'V' and 'U' horizons). Based on the results from these treatability studies, SVE was shown to be an effective and cost-efficient approach at reducing the mass of VOCs at TNX (i.e., removing vadose zone secondary source VOCs near the plume core) and minimizing future VOC groundwater concentrations in the TNX floodplain.

In October 2001, an ESD to the IROD (WSRC 2001) was approved to add SVE to the HGCA system. In 2002, a portable SVE unit and twelve additional SVE wells (i.e., TVX series) were installed at the TNX Area OU. In 2006, the SVE wells were shut down to accommodate the placement of the TAOU cap. After completion of the TAOU cap, the conventional active SVE unit was replaced with five 24-volt passive (MicroBlower™) SVE systems. The MicroBlowers™ were rotated between SVE wells from 2007 to 2025 based on declining soil vapor VOC concentrations at a given well. As the MicroBlower™ operated and vapor concentrations declined, the MicroBlower™ was rotated to a new SVE well to optimize mass removal. The SVE well network is shown on Figure A-11.

Between 2023 and 2024, SRS conducted an evaluation of the SVE system to determine if residual VOC mass remains in the vadose zone beneath the TBG. The final SVE evaluation results along with conclusions and recommendations are provided in a stand-alone report, *Results from the 2023-2024 Evaluation of the Soil Vapor Extraction System at the TNX Operable Unit* (SRNS 2025b). SVE evaluation results were presented in a Core Team meeting, held on January 6, 2026, to discuss SRS's proposed SVE remediation shutdown and resolve comments on the 2024 TNX Area groundwater report (SRNS 2025a) and stand-alone SVE evaluation report (SRNS 2025b). As a result of the January 6, 2026 meeting, the Core Team reached agreement that the SVE remedial action will be discontinued, all MicroBlower™ and BaroBall™ surface infrastructure removed, and abandonment of nine (9) of twenty (20) total SVE wells. Eleven (11) SVE wells were plugged and left in an inactive state to be used for future remedial action, if warranted. The nine (9) SVE wells to be abandoned are summarized in Table 2-1.

2.4.3 Recovery Well/Air Stripper System

The recovery well system was designed to hydraulically control the migration of contaminated groundwater containing >500 μg/L TCE and to remove TCE mass from the groundwater. The recovery wells were positioned at the downgradient edge of the initial >500 μg/L TCE plume, and groundwater was pumped to the T-1 Air Stripper for removal of VOCs. Recovery wells TRW 1, TRW 2, TRW 3, and TRW 4 were installed to pump contaminated water from the unconfined portion of the UTRAU/GAU (WSRC 1997a) (Figure A-5 and Figure A-6). The recovery well network and T-1 Air Stripper began operation on September 16, 1996. During 2005 the T-1 Air Stripper was temporarily shut down to accommodate the remedial action activities occurring at the TNX Area OU and the T-Area OU. During the shutdown, recovery well TRW 4 was abandoned and replaced by TRW 4R. The T-1 Air Stripper was restarted in January 2007 and operated until December 2007.

The system proved to be effective in capturing and treating VOCs, resulting in depletion of the VOCs in the groundwater near the source area. SRS determined that the recovery well/air stripper system would have to be operated for an extended period of time to manage the secondary source term in the groundwater near the source area (in the capillary fringe of the water table and within the water table). In December 2007, the T-1 Air Stripper and associated recovery wells were placed in stand-by to allow for the deployment of EO in the source area. After a successful EO treatability study, a removal action removed the T-1 Air Stripper from service as documented in an ESD to the ROD issued on June 12, 2013 (USDOE 2013). The T-1 Air Stripper was permanently removed from service in 2013.

2.4.4 Edible Oil Treatment

In December 2007, the T-1 Air Stripper was temporarily placed in standby mode to accommodate an EO treatability study. Most of the SVE system remained operational during the treatability study, except three SVE wells (i.e., TVX003L, TVX005L, and TVX006L) with screens near the top of the water table that were used to deploy neat (pure) vegetable oil.

The EO treatability study was conducted to determine how effective EO deployment was on treating VOCs and reducing the cost and the time associated with treatment using pump and treat.

The EO treatment consisted of 1) deployment of neat (pure) vegetable oil at the top of the water table in the residual source area (vicinity of the smear zone); and 2) deployment of emulsified oil substrate (EOS®) in the core of the groundwater VOC plume (Figure A-9). During the treatability study, two injection campaigns were completed in February to April 2008 and May 2010. Table 2-2 lists the construction details of the injection wells as well as the volumes of the neat and EOS® injected at each location. Figure A-12 provides the location of the injection wells associated with the 2008 and 2010 injections. Monitoring for the treatability study was conducted from 2008 to 2011, with the results being summarized in the *Treatability Study for Edible Oil Deployment for Enhanced cVOC Attenuation for T-Area, Savannah River Site* (SRNL 2012). The conclusions from the treatability study provided evidence that reductive dechlorination was occurring within the EO treatment zone and identified a significant reduction in VOC mass. Based on the treatability study results, it was predicted that the use of EO as a remedial action would be more effective at decreasing VOCs to less than the USEPA maximum contaminant levels (MCL) in the groundwater than the pump and treat system. In 2013, an ESD to the TNX Area OU ROD was approved which modified the remedial action to add EO treatments as needed and remove the pump and treat system from service (SRNS 2012a). A trigger to inject additional EO treatment will be applied if a sustained rebound lasting over one (1) year in excess of 75 µg/L (ppb) of TCE, PCE, or CCl_4 in any well, if determined appropriate by the USDOE, USEPA, and SCDES.

In 2015, a third amendment of EO was applied to a larger area outside of the originally targeted treatment zone. This injection was initiated based on TCE results at TBG 3 and TVM 1M that came close to exceeding the trigger criteria identified in the ESD to the TNX Area OU ROD (i.e., >75 ppb increase sustained for one year). The elevated TCE concentration at TBG 3 was correlated to an increase in water table elevation (Figure A-13). The elevated water table likely encountered residual VOC mass present in the smear zone or capillary fringe. Although the trigger criteria were not exceeded, SRS proceeded with the EO injections to take advantage of the high-water table and to prevent future rebounds in TCE concentration. On April 28, 2015, the SRS met with the USDOE, USEPA and SCDES and an agreement was reached to inject neat and emulsified oils at 10 existing monitoring wells during the third quarter of 2015 (Figure A-14). These events are documented in an Underground Injection Control Application (SRNS 2015a) and a Corrective Measures Implementation/Remedial Action Implementation Plan for the TNX Area OU (SRNS

2015b). Table 2-2 lists the construction details of the 2015 injection wells and the volumes of the neat and/or emulsified oil injected at each location.

2.4.5 Radiologically Contaminated Groundwater

The radiologically contaminated source areas were excavated during previous remedial actions associated with both the TAOU and TNX Area OU. Excavation activities occurred at the TBG, OTSB, and in the wetlands (WSRC 2005b and WSRC 2006). Institutional controls (i.e., land use controls) are the agreed to remedial action for the radionuclide contaminated groundwater for the TNX OU. There are two localized areas where the groundwater monitoring wells have previously exceeded the MCLs (i.e., national primary drinking water standards) for the respective radionuclide constituents. The two areas are southwest of the TBG and in the wetlands southwest of the OTSB, near the TNX OD (Figure A-2). There are no discernible and consistent radiologically contaminated groundwater plumes present; therefore, institutional controls continue to be an appropriate remedial action. Radiological constituents in TNX Area OU groundwater will continue to be monitored and reported annually and in the *Five-Year Remedy Review for Savannah River Site Operable Units with Operating Equipment*. Any significant changes in radiological activity that would require a recommendation for additional remedial action will be evaluated in the five year remedy reviews including Core Team discussions, as needed.

2.5 Monitoring Network

Figure A-3 shows the TNX Area monitoring well locations that were in place during the start-up and initial operation of the remedial action system. Monitoring wells were abandoned between 2004 and 2006, due to their location on and outside of the final TAOU cap (WSRC 2005b and WSRC 2006). The TNX Area monitoring well network currently consists of 44 wells and three surface water stations (Table 2-3 and Figure A-10). Table 2-4 provides a summary of the sampling analysis plan for the sampling locations at the TNX Area OU. The monitoring wells associated with the EO remedial action receive additional analysis to monitor the effects of the EO.

The TNX 72 well cluster has three screen intervals with TNX 72S being the shallowest, then TNX 72M, and TNX 27D being the deepest. This well cluster is located on a topographic high in the wetlands causing the shallow screen at TNX 72S to be historically dry, preventing the

collection of a water level measurement or groundwater sample. If water is present, the volume of water is so low that water cannot be pumped to the surface. TNX 72S has been recommended for removal from the TNX well network in previous annual reports but has been retained at the request of the USEPA and SCDES. It is expected that this well will continue to be reported as dry or cannot be sampled. No additional actions can be done to collect a sample at TNX 72S. TNX 72M and TNX 72D are screened deeper than TNX 72S. The screen interval at TNX 72M has been sampled intermittently as water levels within the screen zone fluctuate. TNX 72D has the deepest screen interval at the cluster, is screened at an equivalent horizon as other "D" wells installed in the wetlands, and can typically be sampled with no issues. TNX 72D provides the most reliable chance of collecting a sample and is screened in the appropriate horizon to observe migration of contaminated groundwater toward the Savannah River.

Three surface water stations (i.e., X-008-DW1, X-008-DW2, and X-008-DW3) located along the X-008 Ditch were added to the monitoring network in 2022.

One wetland monitoring well (TNX-076-D) was installed in early 2025 (Figure A-10). Data for this well is included in appendices for all of 2025 sampling events.

2.5.1 Sampling Events

The 2025 TNX groundwater sampling program included 44 monitoring wells and three surface water stations to be sampled in the second and fourth quarters of the calendar year (Table 2-3 and Figure A-10). In addition, water levels were recorded during the sampling events. During the second quarter of 2025 (2Q2025), samples were collected from 43 of the 44 wells and all three surface water stations. During 4Q2025, samples were collected from 43 of the 44 wells and all three surface water stations.

2.5.1.1 Sampling Issues

During the 2Q2025 sampling event, the following sampling issues occurred:

- TNX 72S was dry and no water level or sample could be collected. TNX 72S has a history of being dry due to a shallow screen depth (i.e., 1.0 to 1.8 m [3.4 to 5.9 ft] below ground surface [bgs]) and fluvial sediments.

- Due to a change in laboratory capabilities, volatile fatty acids (VFAs) and select light hydrocarbon analyses (butane, isobutane, propane, and propylene) were not completed. SRS is working to establish alternative laboratory contracts to resolve this issue in future sampling events.
- There were rejected results in the 2Q2025 data. These included:
    - Carbon dioxide at TBG 3; rejected due to exceedance of the method hold time.
    - 1,4-dioxane at TBG 3 using EPA Method 8270ESIM; rejected due to surrogate and/or tracer spike recovery out of specification.
    - Mercury at TRW 1, TRW 3, TRW 4R, TNX 37D, TNX 76D, TVM 1M, TVM 2M, TVM 4M, and TVR 1A; rejected due to matrix spike not within recovery limits.

During the 4Q2025 sampling event, the following sampling issues occurred:

- TNX 72S was dry and no water level or sample could be collected. TNX 72S has a history of being dry due to a shallow screen depth (i.e., 1.0 to 1.8 m [3.4 to 5.9 ft] bgs) and fluvial sediments.
- Due to a change in laboratory capabilities, VFAs and select light hydrocarbon analyses (butane, isobutane, and propylene) were not completed. SRS is working to establish alternative laboratory contracts to resolve this issue in future sampling events.

Table 2-1. Well Abandonment Details for TNX SVE Wells

STATION ID	Date Installed	Ground Elevation (ft msl)	Total Depth (ft)	Screen Length (ft)	Abandonment Plan
TVM 1U	10/6/1995	157.7	51.8	10	Capped For Potential Future Use
TVM 1V	10/18/1995	157.3	63	2	To Be Abandoned in 2026
TVM 2U	10/17/1995	159.5	60.7	10	Capped For Potential Future Use
TVM 2V	10/19/1995	159.4	46.8	2	To Be Abandoned in 2026
TVM 3U	10/13/1995	158.9	67.6	10	Capped For Potential Future Use
TVM 3V	10/20/1995	159	46	2	To Be Abandoned in 2026
TVM 4U	11/22/1995	158.9	63.4	10	Capped For Potential Future Use
TVM 4V	11/22/1995	158.9	46.9	1	To Be Abandoned in 2026
TVX 1L	7/2/2002	153.2	58.4	15	Capped For Potential Future Use
TVX002L	6/27/2002	156.6	67.4	20	Capped For Potential Future Use
TVX002U	6/27/2002	156.5	42.5	10	To Be Abandoned in 2026
TVX003L	7/3/2002	154.1	59.3	15	Capped For Potential Future Use
TVX004L	7/8/2002	153	56	12	Capped For Potential Future Use
TVX004U	7/8/2002	153.1	42.1	15	To Be Abandoned in 2026
TVX005L	7/9/2002	155.2	57.5	10	Capped For Potential Future Use
TVX005U	7/9/2002	155.2	48.4	15	To Be Abandoned in 2026
TVX006L	7/2/2002	155.2	68.3	15	Capped For Potential Future Use
TVX006U	6/27/2002	155.2	58.4	15	To Be Abandoned in 2026
TVX007L	6/27/2002	159	64.1	15	Capped For Potential Future Use
TVX007U	6/27/2002	158.9	44.6	10	To Be Abandoned in 2026

Table 2-2. Injection Well Elevations and Injection Volumes

Well ID	Injection Date	Type of Oil	Volume of Oil (gallons)	Top Screen Elevation (ft amsl)	Bottom Screen Elevation (ft amsl)	Ground Elevation (ft amsl)	Well Diameter (in.)
TBG 3	August 2015	EOS®	550	49.77	69.77	158.67	4
TBG 4	August 2015	EOS®	550	50.66	70.66	159.96	4
TBG 5	August 2015	EOS®	550	42.65	62.65	155.05	4
TRW 3	August 2015	EOS®	1100	49.88	84.78	162.18	6
TRW 4R	August 2015	EOS®	2200	50	80	157.61	6
TVM 1M	August 2015	EOS®	550	71.08	72.08	157.28	2
TVX002L	August 2015	EOS®	550	44.38	64.38	156.64	2
TVX002L	August 2015	Neat Oil	550	44.38	64.38	156.64	2
TVX003L	August 2015	Neat Oil	550	41.8	56.8	154.1	2
TVX004L	August 2015	EOS®	550	43.85	55.85	152.95	2
TVX004L	August 2015	Neat Oil	550	43.85	55.85	152.95	2
TVX005L	July 2015	Neat Oil	550	46.92	56.92	155.16	2
TBG 4	May 2010	EOS®	55	109.30	89.30	159.96	4
TBG 5	Feb 2008	EOS®	960	112.40	92.40	155.05	4
TNX 3D	March 2008	EOS®	1,250	104.90	84.90	162.97	4
TRW 4R	March 2008	EOS®	1,250	107.45	77.45	157.45	6
TVX003 L	April 2008	Neat Oil	300	112.30	97.30	154.1	2
TVX005 L	April 2008	Neat Oil	900	108.24	98.24	155.16	2
TVX006 L	April 2008	Neat Oil	1,500	107.49	92.49	155.18	2

ft amsl – feet above mean sea level
in. – inch
EOS® – Emulsified Oil Substrate®

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Table 2-3. TNX Sample Stations

Well Name	Screen Zone	Category	Top of Screen Depth (ft bgs)	Bottom of Screen Depth (ft bgs)	Total Well Depth (ft bgs)	Well Diameter (in)	Ground Elevation (ft amsl)
P 26A	Semi-confined GAU	Background/EO Monitoring Well	119.8	129.8	132	4	151.8
P 26B	Unconfined UTRAU/GAU	Background/EO Monitoring Well	69.5	80	82.2	4	151.9
P 26D	Unconfined UTRAU/GAU	Background/EO Monitoring Well	29.9	50	52.1	4	151.8
TBG 3	Unconfined UTRAU/GAU	Primary/EO Monitoring Well	49.77	69.77	79.77	4	158.67
TBG 4	Unconfined UTRAU/GAU	Primary/EO Monitoring Well	50.66	70.66	80.66	4	159.96
TBG 5	Unconfined UTRAU/GAU	Primary/EO Monitoring Well	42.65	62.65	77.65	4	155.05
TCM 5	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	2.25	17.25	20	2	97.11
TIR 1L	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	32	34.01	40	2	99.72
TIR 1M	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	13	14.97	22.65	2	99.56
TIR 1U	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	7.5	9.47	13	2	99.48
TNX 1D	Unconfined UTRAU/GAU	Secondary	54.5	74.5	76.9	4	154.1
TNX 3D	Unconfined UTRAU/GAU	Primary/EO Monitoring Well	58.07	78.07	89.07	4	162.97
TNX 5D	Unconfined UTRAU/GAU	Secondary	38.5	58.5	60.8	4	147
TNX 8D	Unconfined UTRAU/GAU	Primary	4	24	26.3	4	98
TNX 9D	Unconfined UTRAU/GAU	Secondary	4	24	26.3	4	99.4
TNX 11D	Unconfined UTRAU/GAU	Primary	4.5	24.5	26.6	4	97.7
TNX 12D	Unconfined UTRAU/GAU	Secondary	4	24	26.1	4	97.1
TNX 13D	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	3.5	5.5	6	2	93.4
TNX 15D	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	4.6	6.6	7.08	2	92.5
TNX 16D	Unconfined UTRAU/GAU	Primary	4.6	6.6	7.08	2	92.7
TNX 20D	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	3.2	5.2	5.7	2	91.4
TNX 22D	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	2.7	4.7	5.2	2	90.5
TNX 24D	Unconfined UTRAU/GAU	Secondary	26	40.96	45	2	139.7
TNX 27D	Unconfined UTRAU/GAU	Primary/EO Monitoring Well	7	27	35	2	108.27
TNX 28D	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	4.8	14.8	15.1	2	97.4
TNX 30D	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	4.7	14.7	15	2	100.3
TNX 35D	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	4.9	14.9	15.2	2	97.4
TNX 37D	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	4.7	14.7	15	2	98.2
TNX 72D	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	12.3	14.8	15.58	2	92.8
TNX 72M	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	6.4	8.9	2.57	2	92.8
TNX 72S	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	3.4	5.9	2.62	2	92.8
TNX073D	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	12.08	17	18	2	95.4
TNX074D	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	12.75	17.78	18	2	93.3
TNX075D	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	12.71	17.7	18	2	92
TNX076D	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	9.02	19.0	30.3	2	96.84
TRW 1	Unconfined UTRAU/GAU	Recovery/EO Monitoring Well	53.5	78.5	84	6	159.9
TRW 2	Unconfined UTRAU/GAU	Recovery/EO Monitoring Well	40.3	75.3	82.3	6	152.56
TRW 3	Unconfined UTRAU/GAU	Recovery/EO Monitoring Well	49.88	84.78	90.28	6	162.18
TRW 4R	Unconfined UTRAU/GAU	Recovery/EO Monitoring Well	50	80	83	6	156.6
TVM 1M	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells/EO Monitoring Well	71.08	72.08	73.68	2	157.28
TVM 2M	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells/EO Monitoring Well	71.29	72.29	73.79	2	159.39
TVM 4M	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells/EO Monitoring Well	71.75	73.75	76.47	2	158.87
TVR 1A[1]	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells/EO Monitoring Well	15	40	80.6	8	148.2
TVR 1A	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells/EO Monitoring Well	65	75	80.6	8	148.2
XSB006R	Unconfined UTRAU/GAU	Auxiliary TNX Area Wells	9.5	19.5	19.5	2	99.1
X-008-DW1	X-008 Ditch	Surface Water Station	NA	NA	NA	NA	NA
X-008-DW2	X-008 Ditch	Surface Water Station	NA	NA	NA	NA	NA
X-008-DW3	X-008 Ditch	Surface Water Station	NA	NA	NA	NA	NA

[1] TVR 1A has an upper and lower screen, the upper screen is within the unsaturated zone and is not sampled.

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Table 2-4. Summary of the Groundwater and Surface Water Sampling and Analyses Plan at TNX (2nd and 4th Quarters)

Requested Analyses	Hydrocarbons	Organic Compounds	Mercury	Nitrate	Nitrate-Nitrite as Nitrogen	Sulfate	Total Organic Carbon	Uranium, Total	Gross Alpha	Nonvolatile Beta	Radium-226 & Radium 228	Total Volatile Fatty Acids	Field Parameters
Background Wells													
P 26A (EO)	2	1	x	x	x	x	x	x	x	x	x	x	3
P 26B (EO)	2	1	x	x	x	x	x	x	x	x	x	x	3
P 26D (EO)	2	1	x	x	x	x	x	x	x	x	x	x	3
Primary Wells													
TBG 3 (EO)	2	1	x	x	x	x	x	x	x	x	x	x	3
TBG 4 (EO)	2	1	x	x	x	x	x	x	x	x	x	x	3
TBG 5 (EO)	2	1	x	x	x	x	x	x	x	x	x	x	3
TNX 3D (EO)	2	1	x	x	x	x	x	x	x	x	x	x	3
TNX 8D		1	x		x			x	x	x	x		3
TNX 11D		1	x		x			x	x	x	x		3
TNX 16D		1	x		x			x	x	x	x		3
TNX 27D (EO)	2	1	x	x	x	x	x	x	x	x	x	x	3
Recovery Wells													
TRW 1 (EO)	2	1	x	x	x	x	x	x	x	x	x	x	3
TRW 2 (EO)	2	1	x	x	x	x	x	x	x	x	x	x	3
TRW 3 (EO)	2	1	x	x	x	x	x	x	x	x	x	x	3
TRW 4R (EO)	2	1	x	x	x	x	x	x	x	x	x	x	3
Secondary Wells													
TNX 1D		1	x		x			x	x	x	x		3
TNX 5D		1	x		x			x	x	x	x		3
TNX 9D		1	x		x			x	x	x	x		3
TNX 12D		1	x		x			x	x	x	x		3
TNX 24D		1	x		x			x	x	x	x		3
Auxiliary Wells													
TCM 5		1	x		x			x	x	x	x		3
TIR 1L		1	x		x			x	x	x	x		3
Auxiliary Wells (continued)													
TIR 1M		1	x		x			x	x	x	x		3
TIR 1U		1	x		x			x	x	x	x		3
TNX 13D		1	x		x			x	x	x	x		3
TNX 15D		1	x		x			x	x	x	x		3
TNX 20D		1	x		x			x	x	x	x		3
TNX 22D		1	x		x			x	x	x	x		3
TNX 28D		1	x		x			x	x	x	x		3
TNX 30D		1	x		x			x	x	x	x		3
TNX 35D		1	x		x			x	x	x	x		3
TNX 37D		1	x		x			x	x	x	x		3
TNX 72D		1	x		x			x	x	x	x		3
TNX 72M		1	x		x			x	x	x	x		3
TNX 72S		1	x		x			x	x	x	x		3
TNX073D		1	x		x			x	x	x	x		3
TNX074D		1	x		x			x	x	x	x		3
TNX075D		1	x		x			x	x	x	x		3
TNX076D		1	x		x			x	x	x	x		3
TVM 1M (EO)	2	1		x		x	x					x	3
TVM 2M (EO)	2	1		x		x	x					x	3
TVM 4M (EO)	2	1		x		x	x					x	3
TVR 1A (EO)	2	1		x		x	x					x	3
XSB006R		1	x		x			x	x	x	x		3

Table 2-4. Summary of the Groundwater and Surface Water Sampling and Analyses Plan at TNX (2nd and 4th Quarters) (*continued/end*)

Requested Analyses	Hydrocarbons	Organic Compounds	Mercury	Nitrate	Nitrate-Nitrite as Nitrogen	Sulfate	Total Organic Carbon	Uranium, Total	Gross Alpha	Nonvolatile Beta	Radium-226 & Radium 228	Total Volatile Fatty Acids	Field Parameters
Surface Water													
X-008-DW1		1	x		x			x	x	x	x		3
X-008-DW2		1	x		x			x	x	x	x		3
X-008-DW3		1	x		x			x	x	x	x		3

NOTES:
1 Organic compounds include; trichloroethylene, cis-1,2-dichloroethylene, vinyl chloride, carbon tetrachloride, tetrachloroethylene, and 1,4-dioxane
2 Hydrocarbons include; methane, ethylene, nitrogen, and carbon dioxide
3 Field parameters include; pH, specific conductivity, dissolved oxygen, oxidation reduction potential, turbidity, total alkalinity, water elevation, and water temperature
x Sample to be obtained
(EO) Edible oil monitoring well network

3.0 MONITORING AND REPORTING

All data reported in the TNX Area annual report conform to the approved *Area Completion Projects Programmatic Quality Assurance Project Plan for Environmental Data Collection and Management* (SRNS 2012b). Groundwater, surface water, and vapor data is collected in support of monitoring at the TNX Area and is sent to SCDES certified laboratories for analyses. The data quality level for all monitoring stations and field duplicate samples is Verified and Validated (V&V) level data (SRNS 2012b and SRNS 2012c). Per the Quality Assurance Project Plan, verification is the confirmation by examination and provision of objective evidence that the specified requirements (sampling and analytical) have been completed. Validation is the assessment of the performance of the sampling and analysis to determine the quality of the dataset. At SRS, V&V level data

There were rejected results in the 2Q2025 sampling event for carbon dioxide, 1,4-dioxane, and mercury. Carbon dioxide is not a constituent of concern for TNX Area monitoring and the rejected result does not significantly impact the monitoring interpretations. The rejected 1,4-dioxane result was for location TBG 3 and was for the analysis using EPA method 8270ESIM. The EPA method 522 result was not rejected. Therefore, there is not a SCDES certified result for 1,4-dioxane at location TBG 3 in the 2Q2025 sampling event. The 4Q2025 sample was non-detect for 1,4-dioxane using EPA method 522, method 8260BSIM, and SCDES certified method 8270ESIM. The rejected 1,4-dioxane result in the 2Q2025 sampling event does not impact the monitoring interpretations at location TBG 3. Mercury results were rejected due to laboratory quality assurance (QA)/quality control (QC) issues impacting a batch of eight (8) samples for the 2Q2025 sampling event. Results in the 2Q2025 event at the eight locations were non-detect for mercury before qualification and were also non-detect at all eight locations in the 4Q2025 sampling event. Therefore, the rejected mercury results do not impact the data interpretations at the eight locations in 2Q2025.

With consideration to the data issues described above and in Section 2.5.1.1, the data reported for 2Q2025 and 4Q2025 are considered usable for the purposes of groundwater monitoring the TNX Area OU.

3.1 Field and Analytical Results

The following sections summarize the results of the field and analytical data. Regular field and analytical data are shown in Appendix B; Tables B-1 and B-3 for the 2Q2025 and 4Q2025, respectively. Tables B-2 and B-4 show field duplicate results that were analyzed in the 2Q2025 and 4Q2025, respectively. Appendix C includes the Data Review Key. Historic data trends are presented as hydrographs in Appendix D and analytical time series plots in Appendix E. Table 3-1 summarizes the constituents that exceeded an MCL during 2025.

3.1.1 Precipitation Measurements

Precipitation measurements are collected at a meteorological station located approximately 4.0 km (2.5 mi) southeast of TNX Area at D Area (Figure A-1). Precipitation data is collected at regular intervals (24-hour period) at the D-Area meteorological station and provided as monthly totals from 1973 to 2025 in Table 3-2. Precipitation in D-Area totaled 126.4 centimeters (cm) (49.78 inches [in.]) in 2025, which is approximately 7.01 cm (2.76 in.) above the historic average.

3.1.2 Water-Level Measurements

The water table map showing current conditions (Figure A-15) was constructed from water-level measurements collected during the 4Q2025. Appendix D includes the hydrographs showing water elevations for the period of record.

The horizontal groundwater flow in the TNX Area is to the southwest toward the Savannah River Swamp. Horizontal flow rate calculations provide estimates of the transport rate of constituents originating from the TNX Area. Flow rates are estimated using the following equation:

$$Flow\ \left(\frac{ft}{day}\right) = \frac{Hydraulic\ Conductivity\ K_h\ \left(\frac{ft}{day}\right)}{Effective\ Porosity\ (unitless)}\ x\ \frac{dh\ (ft)}{dl\ (ft)}$$

Where the hydraulic conductivity (K_h) constant is estimated at 40 ft/day, the effective porosity value is 20 percent, the change in head is *dh*, and the horizontal distance along each flow direction arrow is *dl*. Flow path length is calculated to the nearest five feet. Flow rate per day is calculated to two significant figures, then multiplied by 365 and rounded to two significant figures for the

flow rate per year. Flow rate estimates vary depending upon the vertical gradient between wells, the size of the area under consideration, the number of data points, and the length and location of the flow path. Because these are inferred or estimated parameters, flow rate estimates should be considered accurate to an order of magnitude only.

In the 4Q2025, horizontal flow rates in the LAZ of the UTRAU and the upper GAU ranged from approximately 550 m/year (1,800 ft/year) in the northeast beneath the TAOU cap (Flow path A-A', Figure A-15) to approximately 120 m/year (390 ft/year) near the OTSB and in the swamp (Flow path B-B', Figure A-15). As shown on Figure A-15, the gradient flattens on the southern end of the TAOU cap and into the wetlands.

3.1.3 pH

Field pH values measured during 2025 ranged from 3.8 to 7.0 with the average being 5.8. During 2Q2025, five monitoring wells (TBG 3, TIR 1M, TIR 1U, TNX 15D, and TNX 16D) had a pH less than 5. During the 4Q2025, two monitoring wells (TBG 3 and XSB006R) had a pH less than 5 (Figure A-16).

3.1.4 Analytical Results

Analytical results for 2025 are included on Tables B-1 through B-4. Appendix E includes time series plots for selected constituents, monitoring wells, and surface water stations. Interpretations for the analytical results reported in this section are provided in the *Evaluation of Field and Analytical Results* section (Section 3.2).

3.1.4.1 Tetrachloroethylene (PCE)

PCE was not detected in any of the TNX Area monitoring network wells or surface water stations for 2Q2025 or 4Q2025.

3.1.4.2 Trichloroethylene (TCE)

TCE was detected in 12 monitoring wells and one surface water station in the 2Q2025. Concentrations of TCE exceeded the MCL (5 µg/L) in two monitoring wells (TRW 2 and TVM 1M). TCE concentration at TRW 2 has fluctuated above and below the MCL since

2010. The 2Q2025 TCE concentration at TRW 2 was 14.2 µg/L. TCE concentrations at TVM 1M declined to non-detect levels after the 2015 EO injections and continued to be less than the MCL until 2Q2021. Since 2Q2021, TCE concentrations at TVM 1M have been greater than the MCL and continuing an increasing trend with a result of 21.1 µg/L in 2Q2025.

TCE was detected in 13 monitoring wells during the 4Q2025. Concentrations of TCE exceeded the MCL (5 µg/L) in two monitoring wells (TRW 2 and TVM 1M). During the 4Q2025, TCE concentrations were 8.97 µg/L and 13.5 µg/L at TRW 2 and TVM 1M, respectively (Figures A-17 through A-19).

3.1.4.3 Cis-1,2-Dichloroethylene (cis-1,2 DCE)

Cis-1,2-dichloroethylene (cis-1,2-DCE) was detected in eight monitoring wells during the 2Q2025. Concentrations of cis-1,2-DCE did not exceed the MCL (70 µg/L) during the 2Q2025.

During the 4Q2025, cis-1,2-DCE was detected in eight monitoring wells with no MCL exceedances (Figure A-20).

After the 2015 EO injection, the cis-1,2-DCE concentrations at TBG 5 sharply declined, followed by a increase from 2016 to 2019. Cis-1,2-DCE concentrations at TBG 5 have fluctuated above and below the MCL from January 2019 to present, with a 2Q2025 result of 49.8 µg/L and a 4Q2025 result of 68.3 µg/L.

3.1.4.4 Vinyl Chloride (VC)

During 2025, chloroethylene (vinyl chloride [VC]) was detected at two monitoring wells during 2Q2025 and one monitoring well during 4Q2025. Concentrations of VC did not exceed the MCL (2 µg/L) during 2025.

3.1.4.5 Ethylene

Due to a change in contracted laboratory capabilities, ethylene analyses in 2025 had an elevated method detection limit (MDL, 10 µg/L). This elevated MDL resulted in no detections of ethylene in the 2Q2025 or 4Q2025 results.

3.1.4.6 Carbon Tetrachloride (CCl4)

During 2025, CCl_4 was not detected at any of the monitoring wells or surface water stations.

3.1.4.7 Uranium

During the 2Q2025, total recoverable uranium was detected in 21 wells and three surface water stations. All uranium concentrations were below the MCL (30 µg/L) during 2Q2025.

During the 4Q2025, total recoverable uranium was detected in 19 wells and three surface water stations. Uranium concentrations exceeded the MCL at TCM 5 in 4Q2025 with a result of 38.6 µg/L (Figure A-21). Uranium at TCM 5 has historically fluctuated above and below the 30 µg/L MCL.

3.1.4.8 Adjusted Gross Alpha

Adjusted gross alpha is the difference when uranium activity is subtracted from the gross alpha activity. Uranium activity is calculated from the total recoverable uranium concentrations by multiplying a specific activity for naturally occurring radioactive uranium of 0.67 picocuries per microgram. The MCL for adjusted gross alpha is 15 picocuries per liter (pCi/L). See Appendix C for a detailed explanation of the adjusted gross alpha calculation.

There were no adjusted gross alpha activity exceedances of the MCL (15 pCi/L) at any monitoring station in 2Q2025, and two exceedances in 4Q2025. One exceedance in 4Q2025 was at monitoring well TNX 35D with a result of 40.1 pCi/L (Figure A-22). The 2Q2025 adjusted gross alpha result at TNX 35D was an estimated result of 11.2 pCi/L. The 4Q2025 exceedance at TNX 35D is the first exceedance of the adjusted gross alpha MCL

and will continued to be monitored in future reporting. The second 4Q2025 exceedance was in the non-filtered sample at X-008-DW1 with an estimated result of 149.2 pCi/L. The result was estimated due to a relative percent difference between the regular sample and a field duplicate sample that was not within control limits. The adjusted gross alpha result for the field duplicate sample at X-008-DW1 in 4Q2025 was 5.614 pCi/L (Table B-4). Therefore, the regular sample result is considered suspect for 4Q2025.

3.1.4.9 Combined Radium

Combined radium is the sum of radium-226 and radium-228 and has an MCL of 5 pCi/L. See Appendix C for a detailed explanation of the combined radium calculation.

In 2025, there were no samples with results that exceeded the combined radium activity MCL (5 pCi/L) at any monitoring station (Figure A-23).

3.1.4.10 Mercury

During the 2Q2025, mercury was detected in five monitoring wells and all the detections were below the MCL (2 µg/L). There were nine rejected mercury results due to laboratory QA/QC issues (matrix spike was out of recovery limits). The nine rejected results were non-detect before being rejected and the 4Q2025 results at these locations were non-detect.

During the 4Q2025, mercury was detected in five monitoring wells and all of the detections were below the MCL (2 µg/L) (Figure A-24).

3.1.4.11 Nitrate-Nitrite as Nitrogen (NO_3/NO_2 as N)

During the 2Q2025, nitrate (NO_3)/nitrite (NO_2) as nitrogen (N) was detected in 24 monitoring wells and three surface water stations. There were no detections above the MCL (10 milligrams per liter [mg/L]) in 2Q2025.

In 4Q2025, NO_3/NO_2 as N was detected in 22 monitoring wells and three surface water stations. There were no detections above the MCL (10 mg/L) in 4Q2025 (Figure A-25).

3.1.4.12 1,4-Dioxane

During the 2Q2025, 1,4-dioxane was detected at nine monitoring wells and two surface water stations. The 1,4-dioxane concentration exceeded the USEPA regional screening level (RSL) for tap water (0.46 µg/L) at TBG 5.

During the 4Q2025, 1,4-dioxane was detected at 26 monitoring wells. The 1,4-dioxane concentration exceeded the RSL for tap water (0.46 µg/L) at TBG 4 and TBG 5, with both results estimated (*J* qualifier). TBG 4 had a concentration of 1.19 µg/L and TBG 5 had a concentration of 2.43 µg/L. TBG 4 and TBG 5 have historically exceeded the RSL.

In 2Q2025, 1,4-dioxane samples were analyzed using SCDES certified method EPA 8270ESIM and noncertified method EPA 522. In 4Q2025, 1,4-dioxane samples were also analyzed using noncertified method EPA 8260BSIM. Method EPA 8260BSIM cannot achieve detection limits less than the RSL for tap water (0.46 µg/L) while methods 8270ESIM and EPA 522 can. All 1,4-dioxane analytical results are presented on Tables B-1 through B-4, while the maximum result from each method is reported in this section and presented on Figure A-26 and the time series plots (Appendix E). Starting in the fourth quarter of 2026 (4Q26), 1,4-dioxane samples will be analyzed using method EPA 8270ESIM only, as it is SCDES certified and has a MDL that achieves the RSL (0.46 µg/L).

3.1.5 Edible Oil Parameters

The EO parameters are analyzed near the treatment zone to identify the presence of reductive conditions (i.e., dissolved oxygen [DO], nitrate, sulfate, methane, and oxidation-reduction potential [ORP]) or the presence of oil (i.e., total organic carbon [TOC] and VFA) that was observed after the injection of EO in the groundwater. Included in Appendix A, Figure A-27 through Figure A-32 are results from the 2025 EO parameters that are compared to concentrations measured following the 2015 EO injections. These parameters are also presented in Appendix E on time series plots. It should be noted that the results for DO, ORP, sulfate, nitrate, and TOC from 2008 to 2014 are not present in the database; therefore, the program used to create the time series plots could not be used. The graphs

for these constituents were created manually. Although the data is presented accurately, the graph formatting looks different than the other time series plots.

3.1.5.1 Dissolved Oxygen

DO is a field measurement of the oxygen concentrations in the groundwater. As reductive conditions are established, oxygen is typically the first electron donor utilized causing declines in DO concentration. Before EO injections, DO concentrations were around 6-8 mg/L. After the 2008 and 2010 EO injections, DO concentrations in the injection wells and at some monitoring wells within the treatment zone declined to concentrations that ranged from 0-2 mg/L. DO concentrations after the 2015 EO injections were still less than background concentrations but typically ranged between 1-4 mg/L. Since the 2015 EO injections, DO concentrations have been highly variable, with concentrations ranging from 1-7 mg/L. Figure A-27 compares 2015 results to 4Q2025 for DO.

DO concentrations at the 2015 EO injection wells (i.e., TBG 3, TBG 4, TBG 5, TRW 3, TRW 4R, and TVM 1M) have experienced the following changes:

- The average DO concentration at TBG 3 from 2015 to 2025 was 2.9 mg/L. In the 2Q2025 the DO concentration was 1.3 mg/L and it was 4.2 mg/L in 4Q2025.
- The average DO concentration at TBG 4 from 2015 to 2025 was 2.5 mg/L. In the 2Q2025 the DO concentration was 0.6 mg/L and it was 3.2 mg/L in 4Q2025.
- The average DO concentration at TBG 5 from 2015 to 2025 was 3.75 mg/L. The DO concentration in 2Q2025 was 0.7 mg/L and it was 1.9 mg/L in 4Q2025.
- At TRW 3, the average DO concentration from 2015 to 2025 was 2.9 mg/L. In 2Q2025 the DO concentration was 4.3 mg/L and it was 1.9 mg/L in 4Q2025.
- At TRW 4R, the average DO concentration from 2015 to 2025 was 3.0 mg/L. In the 2Q2025 the DO concentration was 5.1 mg/L and was 3.6 mg/L in 4Q2025.
- At TVM 1M, the average DO concentration from 2015 to 2025 was 3.2 mg/L. The DO concentration in 2Q2025 was 3.1 mg/L and was 1.2 mg/L in 4Q2025.

Lower DO concentrations were also observed at monitoring wells within and surrounding the EO treatment area. Similar to the changes in DO concentrations at the 2015 injection wells, DO concentrations at the monitoring wells were variable ranging from 1-7 mg/L while averaging slightly higher at 3-5 mg/L.

All DO measurements that are greater than 9 mg/L are considered suspect. There were no suspect DO measurements in 2Q2025 or 4Q2025.

3.1.5.2 Nitrate

Nitrate can be utilized as an electron donor in anaerobic respiration as oxygen is depleted. As nitrate is utilized, concentrations decline. Background nitrate concentrations within the EO treatment zone have a large range (i.e., 5 to 100 mg/L) since nitrates associated with the TBG have impacted groundwater. However, nitrate concentrations have been observed to decline at injection and monitoring wells within the EO treatment area. After the 2015 EO injections, nitrate concentrations were lower than background concentrations at TBG 3, TBG 4, TRW 3, and TVM 1M. Figure A-28 compares 2015 nitrate results to 4Q2025. In 2025, the nitrate concentrations at these wells were:

- TBG 3 – estimated (*J* qualifier) at 0.071 mg/L in 2Q2025 and less than the detection limit in 4Q2025,
- TBG 4 – less than the detection limit in 2Q2025 and 0.13 mg/L in 4Q2025,
- TRW 3 – less than the detection limit in 2Q2025 and 4Q2025, and
- TVM 1M – 1.19 mg/L in 2Q2025 and 1.02 mg/L in 4Q2025.

Monitoring wells (i.e., TRW 1 and TRW 2) also observed lower nitrate concentrations after the 2015 EO injections. In 2025, the nitrate concentrations at these wells were:

- TRW 1 – 1.88 mg/L in 2Q2025 and 1.93 mg/L in 4Q2025, and
- TRW 2 – 2.19 mg/L in 2Q2025 and 7.11 mg/L in 4Q2025.

3.1.5.3 Sulfate

Similar to nitrate, sulfate can be used in anaerobic respiration as an electron donor after nitrate is depleted. As sulfate is utilized, concentrations decline. In TNX groundwater, background sulfate concentrations ranged between 3 and 10 mg/L. Reductions in sulfate concentrations were observed at wells within the EO treatment zone after injections occurred. The 2015 EO injection wells (i.e., TBG 3, TBG 4, TBG 5, TRW 3, TRW 4R, and TVM 1M) observed the largest reduction in sulfate concentrations. The sulfate reductions in TBG 3, TRW 3, TRW 4R, and TVM 1M were temporary with concentrations returning to background conditions a few years after 2015. Figure A-29 compares 2015 sulfate results to 4Q2025. In 2025, the sulfate concentrations at these injection wells were:

- TBG 3 – 1.6 mg/L in 2Q2025 and 1.6 mg/L in 4Q2025,
- TBG 4 –0.882 mg/L in 2Q2025 and 0.69 mg/L in 4Q2025,
- TBG 5 – 0.616 mg/L in 2Q2025 and 0.635 mg/L in 4Q2025,
- TRW 3 – 1.21 mg/L in 2Q2025 and 0.721 mg/L in 4Q2025,
- TRW 4R – 3.52 mg/L in 2Q2025 and 2.28 mg/L in 4Q2025, and
- TVM 1M – 3.88 mg/L in 2Q2025 and 3.41 mg/L in 4Q2025.

3.1.5.4 Methane

The production of methane or methanogenesis can occur as carbon is used as an electron donor in anaerobic respiration and typically occurs after sulfate has been depleted. Background methane concentrations in TNX groundwater range between less than one and 10 µg/L. Methane concentrations at injection and monitoring wells near the EO treatment zone increased to greater than 1,000 µg/L after the EO injections events. Figure A-30 compares 2015 methane results to 4Q2025. In 2025, methane results at TBG 3, TBG 4, TBG 5, TNX 3D, TRW 3, TRW 4R, TVM 1M, and TVR 1A remain elevated with concentrations greater than 1,000 µg/L. The methane concentrations during the 4Q2025 at TBG 4, TVM 1M, and TVR 1A was 9,520 µg/L, 5,170 µg/L, and 9,620 µg/L, respectively. The methane concentration at TBG 3, TBG 5, TNX 3D, TRW 3, and TRW 4R were greater

than 10,000 µg/L during the 4Q2025, with concentrations of 12,500 µg/L, 18,400 µg/L, 12,600 µg/L, 15,900 µg/L, and 32,300 µg/L, respectively. Monitoring wells inside the treatment zone have experienced declining methane concentrations since the 2015 EO injections, with average concentrations of 195 µg/L at TVM 2M and 9 µg/L at TVM 4M from 2015 to 2025. Outside of the treatment zone, TRW 2 experienced variable methane concentrations after the 2015 EO injection with an average concentration of 675 µg/L from 2015 to 2025. In 4Q2025, methane was estimated (*J* qualifier) at TRW 2 with a result of 423 µg/L.

3.1.5.5 Oxidation Reduction Potential

ORP is a field measurement that quantifies the measure of reduction or oxidation potential or the ability of a solution to gain or lose electrons. Low ORP corresponds to the gain of electrons and represents a reduced environment. Background ORP conditions at TNX groundwater have positive ORP measurements that range between 100-300 millivolt (mV). ORP measurements declined at most of the wells within the treatment zone after the EO injections. Since 2015, ORP measurements at wells TBG 4, TBG 5, TNX 3D, TRW 3, and TVM 1M have generally remained below 0 mV. Figure A-31 compares 2015 ORP results to 4Q2025. There were four exceptions in 2025 below.

- Since the 2015 injection, ORP measurements at TBG 4 have remained stable around -100 mV. In 2021 ORP temporarily increased to an average of -10.5 mV, but returned to around -100 mV in 2022 and continued into 2024. ORP measurement at TBG 4 was -125 mV in the 2Q2025. In the 4Q2025, the ORP measurement was 22 mV, which is the first positive ORP measurement (>0 mV) since 2015.
- ORP at TBG 5 averaged around -64.9 mV after the 2015 EO injection into 2022. From 2023 to 2025, ORP measurements at TBG 5 have decreased gradually, with measurements of -75 mV in the 2Q2025 and -112 mV in the 4Q2025.
- ORP at TNX 3D has remained lower than background since the 2015 EO injection, averaging around -47 mV from 2015 to 2025. ORP measurements at TNX 3D were -94 mV in the 2Q2025 and 32 mV in the 4Q2025.

- TRW 3 has had ORP measurements below background since 2015, averaging -25 mV through 2025. The ORP measurements at TRW 3 were 70 mV in 2Q2025 and -44 mV in 4Q2025.
- TVM 1M has had ORP measurements below background since 2015, averaging -36 mV through 2025. The ORP measurements at TVM 1M were -110 mV in 2Q2025 and 87 mV in 4Q2025.

At other EO injection wells (i.e., TBG 3, TRW 4R, and TVR 1A), ORP measurements have been variable with time.

- ORP at TBG 3 averaged 153 mV from 2015 to 2025. During 2025, ORP measurements were 164 mV in the 2Q2025 and 186 mV in the 4Q2025.
- ORP at TRW 4R averaged -19 after the 2015 EO injection into 2025. ORP measurements were –3.8 mV in the 2Q2025 and 53 mV in the 4Q2025.
- ORP at TVR 1A decreased below 0 mV following EO injections in 2015, but increased back above 0 mV by 2021 and back to baseline levels in 2024. However, 2025 measurements have decreased to negative results with -36 mV in 2Q2025 and -140 mV in 4Q2025.

At some monitoring wells (i.e., TRW 2, TVM 2M, and TVM 4M), the ORP measurements were less than background following the EO injections in 2015 and have steadily increased into 2025. ORP measurements at monitoring wells (i.e., TNX 27D and TRW 1) located downgradient of the treatment zone have ORP measurements that are representative of background conditions.

3.1.5.6 Total Organic Carbon

TOC is the measure of total carbon present in the groundwater. The LAZ of the UTRAU and the upper GAU have naturally low TOC. The addition of EO into the aquifer provides a significant amount of carbon, causing the TOC to increase. Background TOC concentrations at TNX groundwater were approximately 1,000 µg/L. After each EO injection event, TOC was present at high concentrations (> 100,000 µg/L) at most wells

within the treatment zone. Since 2015, TOC concentrations at most of the EO injection wells are steadily approaching background concentrations through 2025, except at TBG 3, TBG 4, and TBG 5. Figure A-32 compares 2015 TOC results to 4Q2025. TOC concentrations continue to be elevated at TBG 3, TBG 4, and TBG 5 with maximum concentrations of 9.06×10^5 µg/L, 7.72×10^5 µg/L, and 6.72×10^5 µg/L respectively, in the 4Q2025.

3.1.5.7 Total Volatile Fatty Acids

The VFA analytical method is a measurement of up to five individual amino acids that are present in the emulsified and neat oils used during the EO injection. Like TOC, the VFA can be used to help quantify how much oil is still present in the groundwater. VFA were not measured at TNX prior to 2015 so there are no background concentrations available for comparison, but it can be assumed that VFA would have been low or less than the detection limit prior to 2008. The total VFA concentrations were elevated after the 2015 EO injection within the treatment zone. Most of the injection wells had total VFA concentrations greater than 100,000 µg/L, while TBG 4 and TBG 5 had total VFA concentrations greater than one million µg/L.

Due to capability issues with the laboratory contracted by SRS, samples were not analyzed for VFAs in 4Q2024 through 4Q2025.

Table 3–1. Constituents Exceeding USEPA MCLs in TNX Area Wells and Surface Water During 2025

Aquifer	Monitoring Category	TAOU Groundwater Monitoring Constituents			
		1,4-Dioxane*	Trichloroethylene (TCE)	Adjusted Gross Alpha	Uranium
Unconfined UTRAU/GAU	Background				
	Primary	X			
	Secondary				
	Auxiliary		X	X	X
	Recovery		X		
	Surface Water				

NOTES:
X = Constituents Exceeding USEPA MCLs or RSL*
UTRAU/upper GAU = Upper Three Runs Aquifer Unit/ Gordon Aquifer Unit

Table 3–2. Rainfall (inches) at 400-D, 1973 to 2025

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Total
1973	5.19	4.52	6.54	5.03	3.05	7.7	4.3	2.74	4.07	0.87	0.32	3.99	48.32
1974	2.15	6.78	2.28	1.69	4.82	3.31	2.43	6.06	2.92	0	1.9	4.09	38.43
1975	3.42	6.04	6.05	4.38	6.46	4.72	10.91	1.37	7.06	0.74	3.15	4.03	58.33
1976	3.89	1.07	3.52	2.3	10.23	6.95	1.81	1.46	6.41	5.02	3.44	4.7	50.8
1977	3.33	3.25	7.6	1.3	1.23	2.91	1.47	7.1	3.06	4	2.46	4.15	41.86
1978	8.41	1.5	3.12	3.75	3.96	1.77	1.99	5.08	4.96	0.75	3.37	1.72	40.38
1979	3.48	9.49	3.06	4.54	7.45	1.37	5.57	7.14	6.13	0.82	6.38	2.35	57.78
1980	4.23	3.05	11.1	2.45	4.15	4.5	0.97	1.65	7.51	2.05	1.73	2.71	46.1
1981	0.72	3.8	4.16	2.64	3.7	4.96	4.56	6.18	0.06	3.04	0.66	8.86	43.34
1982	4.48	4.89	3.17	4.98	3.64	5.82	3.36	3.12	3.2	3.71	1.68	6.08	48.13
1983	4.09	7.12	5.36	5.43	2.4	3.44	1.63	5.32	2.54	2.42	4.35	4.03	48.13
1984	3.22	5.65	5.3	4.91	5.39	6.07	8.81	1.97	0.73	0.38	1.15	1.34	44.92
1985	2.64	5.71	1.01	1.53	1.79	6.25	8.9	4.15	0.2	5.53	7.16	2.7	47.57
1986	1.14	2.8	3.07	0.48	2.48	5.01	1.66	8.13	0.52	2.52	4.7	3.96	36.47
1987	6.49	6.65	3.85	0.28	1.39	4.69	2.45	1.73	4.64	0.19	2.34	1.27	35.97
1988	3.55	5.3	2.04	6.18	1.56	6.94	1.76	5.04	5.06	2.45	1.81	1.15	42.84
1989	1.78	3.17	4.56	4.72	2.42	5.73	7.39	0.23	5.11	4.57	2.61	2.37	44.66
1990	2.05	3.51	3.19	0.29	1.1	1.22	4.8	5.23	0.44	17.12	1.26	1.67	41.88
1991	7.49	2	7.15	4.9	3.09	2.58	9.11	8.59	1.52	0.53	1.01	3.34	51.31
1992	3.59	4.86	3.27	2.48	2.15	7.55	7.29	6.27	3.58	3.91	6.64	1.95	53.54
1993	7.92	2.55	9.7	1.3	2.24	8.65	1.85	3.06	6.42	0.87	1.84	2.25	48.65
1994	4.71	4.49	6.72	1.29	1.66	7.33	6.08	3.62	2.33	8.98	2.86	4.71	54.78
1995	5.28	6.06	2.47	0.17	2.28	7.24	4.2	6.86	3.95	2.11	2.49	4.47	47.58
1996	2.6	2.05	6.26	1.69	1.6	3.65	4.89	7.93	3.72	1.98	1.5	2.74	40.61
1997	4.14	5.1	1.98	3.42	1.69	6.82	6.54	1.37	5.41	4.74	4.29	7.93	53.43
1998	7.76	6.26	7.86	7.14	4.2	2.86	7.53	2.98	6.33	0.65	0.57	1.89	56.03
1999	6.9	2.26	2.98	2.12	2.59	7.37	6.36	5.46	3.45	2.18	0.65	0.91	43.23
2000	5.11	0.77	4.26	1.62	0.21	5.85	3.86	4.15	9.11	0.06	3.33	1.61	39.94
2001	2.69	3.05	7.28	1.43	3.24	6.54	2.19	3.14	3.31	0.18	1.12	0.57	34.74
2002	2.04	2.23	4	1.59	1.63	3.9	4.41	4.55	3.72	4.57	3.94	3.86	40.44
2003	2.07	5.31	8.07	8.64	6.81	9.18	10.14	3.96	2.63	3.39	1.19	2.26	63.65
2004	2.7	7.11	0.86	1.28	2.79	7.83	2.91	1.96	7.05	0.59	2.74	2.54	40.36
2005	2.35	4.43	6.07	1.26	4.12	9.57	5.19	4.64	2.07	2.95	2.53	6.4	51.58
2006	3.19	2.61	1.35	2.29	2.34	6	5.26	1.59	2.81	1.77	3.76	4.4	37.37
2007	3.18	2.87	1.7	2.48	1.23	5.42	4.97	3.04	0.91	1.47	0.14	9.67	37.08
2008	4	5.89	4.66	2.35	2.42	0.27	6.82	6.86	0.57	4.47	2.93	5.13	46.37
2009	2.03	0.8	4.25	5.86	8.21	1.72	4.47	7.67	5.74	2.89	4.56	9.75	57.95

Table 3–2. Rainfall (inches) at 400-D, 1973 to 2025 (*Continued/Ended*)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Total
2010	4.9	2.62	2.5	1.71	1.34	7.29	2.39	7.04	2.51	0.48	1.45	1.41	35.64
2011	2.2	4.95	5.67	3.53	1.17	2.81	2.5	2.54	2.38	1.86	2.68	1.91	34.2
2012	1.91	1.59	3.07	1.43	6.96	3	5.27	9.85	1.55	0.54			35.17
2013*			1.75	1.05		5.64	4.99			0.08	1.64	4.64	19.79
2013**	0.68	13.5	4.44	4.09	2.6	7.15	13.29	6.69	0.6	2.45	0.83	4.84	61.16
2014	2.77	5.22	3.15	3.69	4.08	5.2	6.1	3.8	4.46	1.13	3.88	5.17	48.65
2015	3.47	5.09	4.12	7.08	0.35	6.03	4.33	2.81	4.64	4.99	7.25	5.36	55.52
2016	2.8	4.8	3.45	3.51	5.58	6.87	4.06	5	6	4.8	0.26	5.54	52.67
2017	4.5	1.43	1.57	7.23	3.41	6.53	3.26	3.27	6.12	1.27	1.58	4.9	45.07
2018	2.4	1.96	4.04	4.08	8.39	5.25	5.32	1.77	3.45	3.92	7.58	7.24	55.40
2019	4.96	1.09	2.67	4.12	1.78	7.75	1.21	1.93	1.79	4.42	4.39	8.69	44.80
2020	5.51	10.3	4.76	5.65	2.77	4.13	3.52	4.84	6.53	0.48	2.15	2.26	52.94
2021	4.17	8.01	2.99	1.69	2.23	4.26	6.21	5.81	3.51	2.6	0.28	5.13	46.89
2022	4.21	1.86	2.45	4.57	2.28	4.4	4.68	7.16	2.31	2.82	2.43	3.59	42.76
2023	7.00	4.67	3.79	3.72	3.62	6.34	11.68	11.04	3.18	2.73	1.64	3.55	62.96
2024	2.21	3.71	6.22	1.84	3.89	2.79	9.57	8.62	6.02	0	6.86	2.29	54.02
2025	2.23	1.65	3.97	3.16	9.60	8.74	7.98	7.03	0.53	1.58	0.13	3.18	49.78
Average	3.77	4.29	4.32	3.23	3.43	5.33	5.10	4.73	3.68	2.65	2.73	3.90	**47.02**
Max	8.41	10.3	11.1	8.64	10.23	9.57	11.68	11.04	9.11	17.12	7.58	9.75	**63.65**
Min	0.72	0.77	0.86	0.17	0.21	0.27	0.97	0.23	0.06	0	0.13	0.57	**34.2**

*Incomplete 2013 precipitation data from the D-Area meteorological station (400-D).
**Precipitation data from the K-Area meteorological station. K-Area meteorological station used in average calculations.

3.2 Evaluation of Field and Analytical Results

Analytical results and field parameters for the 2Q2025 and 4Q2025 are included in Appendix B. Two-dimensional planar and cross-section maps displaying 4Q2025 results, for selected constituents, are shown in Figure A-15 through Figure A-26. Figure A-27 through Figure A-32 provide a comparison of post-2015 EO injection parameters with 4Q2025 results. Hydrographs and time series plots of selected constituents are provided in Appendix D and Appendix E, respectively.

3.2.1 Potentiometric Surface

In 2025, the total annual precipitation was 126.4 cm (49.78 in.), which is higher than the 40-year average of 119.4 cm (47.02 in.). The water elevation at most monitoring wells near the TAOU cap remained elevated in 2025 compared to the observed decrease during the first half of 2022. Groundwater flow direction and flow velocity in 2025 is consistent with previous year reporting.

3.2.2 pH

Low pH conditions at TNX are defined as a pH less than 5. Background pH conditions in groundwater are approximately 5.5. Low pH conditions have previously been observed in the groundwater at discrete locations in the TNX Area OU. The low pH conditions beneath the TAOU cap are likely the result of groundwater in contact with nitric acid and the uranyl nitrate that was associated with the TBG. Low pH conditions observed in the wetlands may be a combination of naturally occurring low pH conditions as well as disposal of nitrates at the OTSB and TNX OD. The low pH conditions have been correlated to elevated radium activity, uranium concentration, and nitrate/nitrite as nitrogen concentration, see Section 3.2.5 and 3.2.6 for more detailed discussion.

During 2Q2025 and 4Q2025, there were six wells (TBG 3, TIR 1M, TIR 1U, TNX 15D, TNX 16D, and XSB006R) with a pH of less than 5 (4Q2025 shown in Figure A-16). TBG 3 had the lowest pH results during 2025 and has had a history of pH fluctuating above and below 5. At TBG 3, water elevations greater than 98 ft msl generally correlate to a lower pH (< 5) (Figure A-33). Water elevations at TBG 3 were greater than 98 ft msl in 2025 with pH results of 4.1 in the 2Q2025 and 3.8 in the 4Q2025. Elevated NO_3/NO_2 as N concentrations at TBG 3 also

correlate to elevated water elevation (Figure A-34). This could indicate that there is source material (i.e., nitrates) in the capillary fringe near TBG 3 and as the water table rises and contacts source material the pH decreases. In 2025, although pH was low, the concentration of NO_3/NO_2 as N remained below detection limits.

In previous reporting, a low pH (< 5) plume has been depicted in the wetlands adjacent to the TNX OD. In 4Q2025, the pH at most wells was above 5, therefore, the pH plume is shown only locally around XSB006R (Figure A-16). The pH at XSB006R has been greater than and less than 5 since it was initially sampled in 2019. The low pH in this area of the wetlands may be related to the nitrate discharged to the OTSB and TNX OD which is providing a residual source. NO_3/NO_2 as N concentrations at XSB006R and other wetland monitoring wells are detected at low concentration although the NO_3/NO_2 as N concentrations do not exceed the MCL (10/ µg/L). This relationship will continue to be monitored and reported in subsequent annual reports.

The EO injections added a basic solution to buffer the lower pH of the groundwater to a pH of between 6 to 8 to promote bacterial activity. However, during the 2015 EO injections the aquifer was not buffered as much as during the previous injections. In 2025, the maximum pH result was 7.0 at well TVR 1A, which is in the desired range to promote biological activity.

3.2.3 VOC Constituents (i.e., PCE, TCE, Cis-1,2-DCE, VC, Ethylene, and CCl4)

3.2.3.1 Trichloroethylene (TCE)

Since the 2015 EO injections, the TCE concentrations within the treatment zone have steadily declined, depleting source concentrations and has had a direct effect on the TCE concentrations observed in the wetland wells. As source TCE concentrations have declined, distal TCE concentrations have concurrently declined (Figure A-35). Figure A-35 provides a comparison of the average fourth quarter TCE concentrations for eight monitoring wells (i.e., TBG 3, TBG 4, TBG 5, TNX 3D, TRW 1, TRW 2, TRW 3, and TRW 4R) located on the TAOU cap in the source plume and seven wells (i.e., TCM 5, TIR 1U, TNX 15D, TNX 16D, TNX 27D, TNX 28D, and TNX 30D) located in the wetlands or distal plume. From 2018 to 2020, the average TCE concentrations in both the source plume and distal plume were less than the MCL (5 µg/L). In 2021, average TCE concentrations were slightly above the MCL in the source plume at 5.49 µg/L

but returned to less than the MCL in 2022 and continued through 2025. The average TCE concentration of detections for the source and distal plumes in 4Q2025 was 3.02 µg/L and 1.16 µg/L, respectively.

The general decreasing TCE concentrations at most monitoring wells on the TAOU cap and in the wetlands is a good indicator that the EO injections have been successful at removing TCE mass from the source area. However, there were two monitoring wells (i.e., TRW 2 and TVM 1M) in 2025 that exceeded the MCL (5 µg/L) for TCE. TRW 2 is located on the TAOU cap and has had a variable TCE trend since the 2015 EO injection. This well is located downgradient of the EO injection wells. After the 2015 EO injections, TCE concentrations at TRW 2 have generally been greater than the MCL. This could be an indication that the 2015 EO injections at TRW 3 displaced the TCE plume toward TRW 2. TRW 2 exceeded the MCL for TCE in both 2Q2025 (14.2 µg/L) and 4Q2025 (8.97 µg/L). Treated groundwater flowing toward TRW 2 is evident by comparing EO parameters between pre-EO and post-EO measurements (i.e., lower DO, lower ORP, higher methane, and denitrification).

The TCE concentrations at TRW 2 are located downgradient of the EO treatment zone and represent a groundwater plume that is detached from the source. This detached plume is migrating downgradient with groundwater flow to the southwest. TCE concentrations within the detached plume are not high enough to trigger additional EO injections.

TVM 1M is located on the TAOU cap within the EO treatment area. TVM 1M was used as an injection well during the 2015 EO injection campaign. After the 2015 injections, TCE concentrations decreased at TVM 1M to less than the MCL from 2017 to 2020. TCE concentrations at TVM 1M started increasing in 2021 and have become more stable into 2025, with concentrations of 21.1 µg/L in the 2Q2025 and 13.5 µg/L in the 4Q2025 (Appendix E, Page E-323). The increase in TCE concentration at TVM 1M could be an indication that the EO injected at TVM 1M did not fully distribute into the aquifer and only impacted TCE in close proximity to the well screen. As the effects of EO are deteriorating, the untreated TCE groundwater plume is rebounding in concentration. TCE concentrations at TVM 1M remain below the trigger criteria to inject additional EO, defined as a sustained rebound, lasting over one year, in excess of 75 µg/L of TCE, PCE, or CCl_4.

TNX076D was installed on the northern side of the X-008 ditch, to monitor for potential migration of the TCE plume toward the Savannah River without discharging to the X-008 ditch (Figure A-17). TCE results at TNX 76D in 2Q2025 and 4Q2025 were below detection. This supports that the TCE plume is not migrating past the X-008 ditch.

3.2.3.2 Cis-1,2-Dichloroethylene (cis-1,2-DCE)

The presence of cis-1,2-DCE in the groundwater at TNX is evidence that TCE and PCE are being degraded. After the 2015 EO injections, cis-1,2-DCE concentrations were detected in monitoring wells within the EO treatment zone. TBG 5 has had the highest cis-1,2-DCE concentrations, exceeding the MCL (70 µg/L) in 2014 and 2015, decreasing slightly after the 2015 EO injections, and resuming an increasing trend into 2025. In 2025, the cis-1,2-DCE concentration at TBG 5 remained below the MCL with concentrations of 49.8 µg/L in the 2Q2025 and 68.3 µg/L in the 4Q2025. TRW 4R and TVM 1M are other monitoring wells in the treatment zone that have had increasing cis-1,2-DCE concentration trends approaching the MCL, but not exceeding, since the 2015 EO injections. In the wetlands, cis-1,2-DCE concentrations have been below the detection limit since the 2015 EO injections and continue to be below detection limits in 2025.

The elevated cis-1,2-DCE present within the EO treatment zone could be an indication that degradation of TCE is progressing slowly and the appropriate reductive conditions are no longer present to fully degrade TCE to ethylene. As discussed further in Section 3.2.2, there is evidence that the EO treatment zone is transitioning from a reductive environment to background conditions.

3.2.3.3 Vinyl Chloride (VC)

There were no VC concentrations that exceeded the MCL (2 µg/L) during 2025. Detections of VC have been localized to the EO treatment zone. Since the 2015 EO injections, VC concentrations have been detected in monitoring wells TBG 4, TBG 5, and TRW 4R. The presence of VC at low concentrations in TBG 5 is an indication that the degradation of cis-1,2-DCE is progressing slowly.

3.2.3.4 Ethylene

After the 2015 EO injections, ethylene concentrations increased at TBG 3, TBG 4, TBG 5, TRW 3, and TVM 1M. Since the increase in ethylene concentrations in 2015, ethylene

concentrations have steadily decreased. In 2025, ethylene was not detected at any monitoring locations. This is in part due to reduced capabilities of contracted laboratories for ethylene analysis. In the 2Q2025 and 4Q2025, the MDL for ethylene was 10 µg/L. In recent reporting, ethylene detections at the TNX Area OU have been in the range of 1-5 µg/L, which was below the MDL for the 2Q2025 and 4Q2025. SRS continues to work with contracted laboratories in an effort to achieve reduced MDL for ethylene.

3.2.3.5 Carbon Tetrachloride (CCl4)

CCl_4 concentrations were below detection limits at all monitoring wells at TNX in 2025. CCl_4 concentrations declined to below the detection limit at TBG 3 after the 2015 EO injections and continue to be less than the detection limit in 2025. It is uncertain what process is causing the decline in CCl_4 concentrations at TBG 3, but it is likely the same processes degrading the TCE are also degrading the CCl_4.

3.2.4 Edible Oil Parameters

The injection of EO into the groundwater converted the aerobic aquifer to an anaerobic, reducing environment. Evidence of an anaerobic and reducing environment are measured using DO, nitrate, sulfate, methane, and ORP. Additional EO parameters include TOC and VFA to monitor the presence of oil in the aquifer. The EO parameters monitor for methane, DO, ORP, TOC, sulfate, and nitrate to identify areas that have experienced anaerobic activity and potentially where reductive dechlorination has occurred. Figure A-27 through Figure A-32 illustrate comparisons between 2015 EO conditions (i.e., 4Q2015) and post injection conditions collected during 4Q2025. Time series plots for these parameters are presented in Appendix E. Evidence of a reductive environment or presence of EO in the treatment area includes:

- Low DO concentrations,
- Low nitrate concentrations,
- Low sulfate concentrations,
- High methane concentrations,
- Low ORP results indicate more reductive conditions,

- High TOC concentrations, and
- High VFA concentrations (no VFA results in 2025 due to reduced laboratory capabilities)

With the decline in DO, nitrate, and sulfate and the increase in methane concentrations, it can be assumed that anaerobic respiration occurred, and reductive conditions were established within the EO treatment zone. This is supported with low ORP results. The anaerobic respiration and reductive conditions represent favorable conditions for the degradation and dechlorination of VOC. These conditions were established after the 2008, 2010, and 2015 EO injections. After the 2015 EO injections, the reductive conditions were present for a short duration. The EO parameters have started trending toward background concentrations, indicating the efficiency of the EO to reduce VOCs is still present but is slowly declining. With parameters returning to background conditions, VOC concentrations are not rebounding within the EO treatment zone except for TCE at TVM 1M and cis-1,2-DCE at TBG 5. This is a positive indicator that most of the VOC mass within the EO treatment zone has been reduced.

TOC and VFA concentrations have been utilized to identify where EO was distributed within the aquifer. In a similar way, TOC and VFA concentrations have declined with time after injection. This is an indication that the EO continues to be distributed into the aquifer and is being utilized in anaerobic respiration.

3.2.5 Uranium, Combined Radium, and Adjusted Gross Alpha

Groundwater in the TNX Area OU monitoring wells have periodically exceeded the MCLs for the respective radionuclide near the TBG (area under the TAOU cap) and in the wetlands near the OTSB and TNX OD. The area under the TAOU cap has been further altered by the EO injections. In the wetlands, in addition to being sourced by the OTSB, naturally occurring radionuclides are present in the organic rich fluvial sediments which are entrained within the aquifer sediments. The following discussion of radionuclides exceeding their respective MCLs is divided into three areas: TBG (Area under the TAOU cap), Wetlands, and X-008 Ditch.

Detections of uranium are sparse, do not define a discernible groundwater plume, and are associated with the TBG, OTSB, DG, TNX OD, and naturally occurring uranium in the fluvial sediments of the wetlands. It has also been observed that a combination of increasing water elevation, oxidizing and reducing environments, and high and low pH influences the solubility of uranium in groundwater samples collected in the EO treatment zone.

Although radium-226 is the potential contaminant of concern, the MCL is measured for the sum of radium-226 (uranium decay series) and radium-228 (thorium decay series) or combined radium. Detections of combined radium are sparse, do not define a discernible groundwater plume, and are associated mainly with the TBG and occasionally in the fluvial sediments of the wetlands.

It was determined that detections of adjusted gross alpha tend to be co-located with combined radium detections and low pH conditions near the TBG, and this correlation is less prominent in the wetlands. In the wetlands, alpha emitting radionuclides other than uranium and radium-226 are potentially affecting the adjusted gross alpha activity. Detections of adjusted gross alpha do not define a discernible groundwater plume.

3.2.5.1 TBG (Area under the TAOU Cap)

Uranium has previously exceeded the MCL (30 µg/L) under the TAOU cap at monitoring wells TBG 3 and TBG 4. In 2025, uranium concentrations did not exceed the MCL under the TAOU cap.

Combined radium has historically exceeded the MCL (5 pCi/L) at monitoring wells TBG 3 and TBG 4. There were no exceedances for combined radium at TBG 3 and TBG 4 during 2025.

Adjusted gross alpha historical exceedances under the TAOU cap are most associated with TBG 3 and TBG 4. In 2025, there were no exceedances of the MCL (15 pCi/L) for adjusted gross alpha activity at monitoring wells under the TAOU cap.

3.2.5.2 Wetlands

The OTSB and fluvial sediments are two potential sources of radiological constituents in the wetlands. The exceedances of radiological constituents in the wetlands are mostly sporadic, and there is not a discernible groundwater plume for any radiological constituent in the wetlands.

Uranium concentrations are mostly sporadic in the wetland monitoring wells with one exception (i.e., TCM 5). Uranium concentrations have regularly exceeded the MCL (30 µg/L) at TCM 5 since 2005 with a couple of concentrations between 2014 and 2016 that were less than the MCL. In 2025, uranium concentrations at TCM 5 were 13.6 µg/L in 2Q2025 and 38.6 µg/L in 4Q2025. It is not clear if the uranium observed at TCM 5 is sourced from TNX processes or is naturally occurring. TCM 5 is located downgradient of the TNX OD, which received overflow from the OTSB. The monitoring wells downgradient of TCM 5 (i.e., TNX 15D, TNX 16D, TNX073D, TNX074D, and TNX075D) typically have uranium concentrations that are below detection limits, which is an indication that the uranium observed at TCM 5 is localized and not migrating with groundwater.

Uranium concentrations at TNX 28D have a slowly increasing trend but was below the MCL from 2003 to 2Q2022. In 4Q2022, the uranium concentration exceeded the MCL at TNX 28D for the first time and have gradually decreased since. In 2025, uranium concentrations at TNX 28D continued to be elevated but did not exceed the MCL. The upgradient source of uranium concentrations at TNX 28D is not obvious. This well is located side-gradient to the OTSB and TCM 5. Potential sources of uranium include uranium contamination associated with the TNX OD and naturally occurring uranium in fluvial sediments. Hot spots near the TNX OD were excavated and treated with apatite; however not all uranium contaminated sediment was removed.

Most of the occurrences of combined radium in the wetland are sporadic or one-time occurrences. The sporadic nature of the combined radium exceedances is likely due to naturally occurring radium in the fluvial sediments beneath the wetlands. In 2025, there

were no wetland monitoring wells that exceeded the MCL (5 pCi/L) for combined radium activity.

Adjusted gross alpha exceedances in the wetlands are sporadic. Two monitoring wells, TCM 5 and TIR 1U, have experienced historic adjusted gross alpha activity exceedances. In 2025, TCM 5 and TIR 1U did not exceed the MCL (15 pCi/L). There was one MCL exceedance for adjusted gross alpha activity in 2025, at monitoring well TNX 35D in 4Q2025 (40.1 pCi/L). This exceedance follows an elevated estimated result (*J* qualifier) of 11.2 pCi/L in the 2Q2025. Adjusted gross alpha will continue to be monitored at TNX 35D. The sporadic nature of the adjusted gross alpha exceedances in the wetlands is an indication that alpha emitting radionuclides other than uranium and radium-226 are present. There are numerous alpha emitting daughters associated with the thorium and uranium decay chains with short half-lives that could be contributing to the adjusted gross alpha activity. If elevated adjusted gross alpha activity becomes persistent in the wetland monitoring wells, additional analysis will be considered.

3.2.5.3 X-008 Ditch

The surface water within the X-008 Ditch is mainly controlled by groundwater from the upper GAU but is also influenced by the Savannah River, during high river stage, and surface water run-off during precipitation events. Potential sources of radiological constituents in the X-008 Ditch include the OTSB, the TNX OD, and naturally occurring radionuclides in fluvial sediments.

Uranium concentrations in the X-008 Ditch were below the MCL at all three surface water stations in 2Q2025 and 4Q2025. The three surface water stations had both filtered and non-filtered samples collected to help exclude turbidity issues with the analysis. Uranium concentrations in the surface water samples were lower in the filtered vs the non-filtered samples, and results were all below the MCL (30 µg/L) for filtered and non-filtered samples.

3.2.6 NO_3/NO_2 as N and Mercury

The NO_3/NO_2 as N graph is presented with pH (Appendix E) to show the relationship that decreases in pH correspond with increases in NO_3/NO_2 as N concentrations. Uranyl nitrate was disposed of at the TBG, and as water infiltrated the burial ground, nitric acid was produced, causing low pH (< 5) in the groundwater. Low pH and NO_3/NO_2 as N concentrations above the MCL were observed in groundwater under the TAOU cap prior to the EO injections. After the EO injections, NO_3/NO_2 as N concentrations have been less than the MCL at most monitoring wells on the TAOU cap and down gradient wetland wells. The low NO_3/NO_2 as N concentrations in the EO treatment zone reflect the anaerobic and reductive conditions that have depleted nitrogen since EO was injected. Outside of the EO treatment zone NO_3/NO_2 as N concentrations have sporadically exceeded the MCL. There were no NO3/NO2 as N MCL (10 mg/L) exceedances in the 2Q2025 or 4Q2025.

Monitoring well TBG 4 is the only well that has had a mercury concentration trend above the MCL (2 µg/L) (Appendix E). Mercury concentrations declined after the TAOU cap was completed in 2006 and have mostly been less than the MCL. Mercury concentrations did not exceed the MCL during 2025.

3.2.7 1,4-Dioxane

1,4-Dioxane sampling was initiated at all monitoring wells in 2013. In 2019, 1,4-dioxane was analyzed using three methods, EPA 8260BSIM and EPA 522. Method EPA 8260BSIM was certified by the SCDES at the time. Method EPA 522 was not certified by SCDES, but was the only method that could achieve detection limits lower than the RSL (0.46 µg/L) at the time. Therefore, both methods were used to analyze 1,4-dioxane samples. Starting in the 4Q2024, the contracted laboratory began using analytical method EPA 8270ESIM, which is a SCDES certified method that also can achieve detection limits below the RSL. Additionally, method EPA 8260BSIM is no longer SCDES certified at the contracted laboratory. Methods EPA 522 and EPA 8270ESIM were used in the 2Q2025 and 4Q2025 sampling events. In the 4Q2025 sampling event, method EPA 8260BSIM was also used in addition to the EPA 522 and EPA 8270ESIM methods. Starting in 4Q26, 1,4-dioxane samples will be analyzed using method EPA 8270ESIM only, as it is SCDES certified and achieves a MDL below the 1,4-dioxane RSL (0.46 µg/L).

TBG 4 and TBG 5 exceeded the RSL for 1,4-dioxane during 2025. TBG 4 and TBG 5 have a history of exceeding the RSL for 1,4-dioxane. 1,4-Dioxane is a common stabilizer added to chlorinated solvents to reduce volatilization. The 1,4-dioxane contamination at TNX was likely associated with the solvents that were included in the debris buried at the TBG source area. Using the low detection analytical method, EPA 522 and EPA 8270ESIM, indicates that there is not an extensive 1,4-dioxane plume associated with TNX OU groundwater. The 1,4-dioxane plume is localized to the TBG source area.

3.3 Remedial Action Performance

3.3.1 Soil Vapor Extraction (SVE) Operations

In 2025, MicroBlowers™ were connected to the following five SVE wells: TVM-002-U, TVM-003-U, TVM-004-V, TVX-004-L, and TVX-007-U. Table 3-3 provides details of construction, history, and duration each SVE well has been connected to a MicroBlower™. Vapor concentrations, flow rates, and the estimated time of operation for each SVE well connected to a MicroBlower™ are presented in Table 3-4. The data presented in Table 3-4 was used to determine the contaminant mass removed by each MicroBlower™. The contaminant mass removed at the MicroBlower™ is determined using vapor concentrations and the volume of air (ft^3) that passes through the MicroBlower™. The vapor concentration is multiplied by the volume of air that passes through the MicroBlower™ during a given month. Unit conversions are integrated into these calculations. The product provides the total mass removed from the MicroBlower™ for a given month. The MicroBlowers™ are sampled quarterly, so vapor concentrations and flow rates are assumed to be constant during the quarter. Table 3-5 summarizes the total VOCs removed per month during 2025.

In 2025, approximately 0.025 kg (0.143 lb) of VOCs (i.e., 0.049 kg [0.107 lb] of TCE and 0.017 kg [0.037 lb] of PCE) were removed from the TNX vadose zone while operating five MicroBlowers™ for the entire year.

An evaluation of all TNX SVE wells was conducted in 2023 and 2024. The SVE evaluation was presented in the *Results from the 2023-2024 Evaluation of the Soil Vapor Extraction System at the TNX Operable Unit* (SRNS 2025b). Conclusions and recommendations from this report were

presented in the 2024 TNX Area Groundwater Report (SRNS 2025a). The conclusions identified that VOC mass in the vadose zone had been depleted by operation of the SVE system and recommended that SVE operation could be discontinued. The SVE evaluation results, conclusions, and recommendations were presented to the Core Team in a comment resolution meeting held on January 6, 2026. The recommendations included discontinued operation of SVE at TNX OU, removal of all five MicroBlowers and supporting infrastructure, and abandoning nine (9) of twenty (20) SVE wells. The other eleven (11) SVE wells were plugged and left in an inactive state to be used for future remedial action, if warranted. USEPA and SCDES approved the SVE evaluation report and 2024 annual report on January 29, 2026 (SRNS 2026a) and February 10, 2026 (SRNS 2026b), respectively. The MicroBlowers™ were disconnected from all SVE wells and all SVE wells were plugged in February 2026 to support permanent shut down of the SVE system. Removal of surface infrastructure and abandonment of the nine (9) SVE wells is planned for 2026. A program plan will be submitted to SCDES for review and approval of abandonment activities.

3.3.2 Edible Oil Injections

EO treatment was selected as the remedial action for the remaining TCE groundwater plume in 2013. After the EO injections, aquifer conditions within the treatment area were changed to a reductive environment capable of degrading TCE and its daughter products. TCE concentrations in the treatment area are currently less than the MCL (5 µg/L) at most monitoring wells. The reduced TCE concentrations in the source area have also corresponded to decreasing TCE concentrations at most of the wetland wells. Some monitoring wells (i.e., TRW 2, XSB006R, TNX 28D, and TCM 3) have experienced elevated TCE concentrations. In the 4Q2025, TRW 2 defines a TCE groundwater plume greater than the MCL that is outside of the EO treatment area (Figure A-17). The TCE groundwater plume is considered detached from the source area based on TCE concentrations from upgradient monitoring wells. TCE concentrations greater than the MCL have recently been observed at TVM 1M, which is located within the EO treatment area. This well is an indication that TCE is still present at low concentrations within the treatment area.

To assess the effectiveness of the EO injections, the change in mass of the TCE groundwater plume was quantified and plotted with time from 2007 to 2025 (Figure A-36). Figure A-36 shows the exponential decline of the estimated VOC mass with time. The estimated annual mass of TCE in

the plume is calculated based on the area of the TCE plume during the fourth quarter for a given year, the average concentration of the plume during that year, assuming a plume thickness of 6.1 m (20 ft), and a porosity of 0.3. The following equation was used to calculate the mass of TCE in the plume for each year between 2007 and 2025:

Average TCE Concentration x Plume Volume x Porosity = TCE Mass

Table 3-6 provides all the values used in the mass calculations. From 2007 to 2025 it is estimated that the mass of TCE in the plume has been reduced by 97%. In 2025, the estimated areal extent of TCE continued a decreasing trend while average concentrations remain above the MCL.

TRW 2 and TVM 1M exceeded the MCL in the 4Q2025 (Figure A-17 and Figure A-18). The 2025 TCE plume depicts a plume that is detached from the source area. The detached TCE plume is likely to continue to have TCE concentrations above or near the MCL, but without a connection to the source area, concentrations are expected to decrease with time. The plume may change shape as it migrates away from the source, but the lower concentrations will not likely trigger the criteria established in the 2013 ESD to the ROD for additional EO injection. Some of the EO parameters within the treatment area indicate the anaerobic conditions created by the injections have been returning to more aerobic, background conditions.

Table 3–3. Well Construction and Operation for TNX SVE Wells

STATION ID	Date Installed	Ground Elevation (ft msl)	Total Depth (ft)	Screen Length (ft)	MicroBlower™ Operation (yr)
TVM 1U	10/6/1995	157.7	51.8	10	2011, 2013, 2014, 2015, 2016, 2017
TVM 1V	10/18/1995	157.3	63	2	2009, 2010, 2018, 2019, 2020, 2021, 2022, 2023[2]
TVM 2L[1]	10/17/1995	159.5	91.5	1	2013, 2014
TVM 2U	10/17/1995	159.5	60.7	10	2011, 2015, 2016, 2017, 2024[3], 2025
TVM 2V	10/19/1995	159.4	46.8	2	
TVM 3U	10/13/1995	158.9	67.6	10	2009, 2010, 2011, 2012, 2024[3], 2025
TVM 3V	10/20/1995	159	46	2	2009, 2010, 2018, 2019, 2020, 2021, 2022, 2023[2]
TVM 4L[1]	11/22/1995	158.9	92.4	2	2010, 2024[3]
TVM 4U	11/22/1995	158.9	63.4	10	2009, 2011, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023[2]
TVM 4V	11/22/1995	158.9	46.9	1	2011, 2013, 2014, 2015, 2016, 2017, 2024[3], 2025
TVX 1L	7/2/2002	153.2	58.4	15	2009, 2012
TVX002L	6/27/2002	156.6	67.4	20	2011
TVX002U	6/27/2002	156.5	42.5	10	2013, 2014
TVX003L	7/3/2002	154.1	59.3	15	2012
TVX004L	7/8/2002	153	56	12	2010, 2011, 2025
TVX004U	7/8/2002	153.1	42.1	15	2009, 2010, 2018, 2019, 2020, 2021, 2022, 2023[2]
TVX005L	7/9/2002	155.2	57.5	10	2013, 2014
TVX005U	7/9/2002	155.2	48.4	15	2010, 2011
TVX006L	7/2/2002	155.2	68.3	15	2011, 2012, 2015, 2016, 2017
TVX006U	6/27/2002	155.2	58.4	15	
TVX007L	6/27/2002	159	64.1	15	2009, 2010, 2024[3]
TVX007U	6/27/2002	158.9	44.6	10	2009, 2010, 2012, 2018, 2019, 2020, 2021, 2022, 2023[2], 2024[3], 2025

[1] TVM 2L and TVM 4L are screened in the saturated zone and are no longer used as viable SVE wells.
[2] During 2023, MicroBlowers™ were only operated from January to June due to the start of the SVE evaluation.
[3] During 2024, MicroBlowers™ were only operated from June to December, following completion of the SVE evaluation. The MicroBlower™ on TVX007L was moved to TVX007U in 4Q2024 due to low flow rate issues.

Table 3–4. Monthly SVE Well VOC Mass Removal (2025)

TVM-002-U	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Average
Flow Rate (cfm)	4.58	4.58	4.58	5.78	5.78	5.78	6.83	6.83	6.83	8.72	8.72	8.72	77.73	6.4775
Operating Time (hrs)	372	336	372	360	372	360	372	372	360	372	360	372	4380	365
Total VOC Mass Removed (lbs)[A]	6.04E-03	5.46E-03	6.04E-03	5.69E-03	5.88E-03	5.69E-03	8.45E-03	8.45E-03	8.18E-03	6.65E-03	6.44E-03	6.65E-03	7.96E-02	6.63E-03
Concentration (ppmv)														
CARBON TETRACHLORIDE	0	0	0	0	0	0	0	0	0	0	0	0	NA	0
TETRACHLOROETHYLENE (PCE)	2.06E-02	2.06E-02	2.06E-02	2.12E-02	2.12E-02	2.12E-02	1.99E-02	1.99E-02	1.99E-02	1.11E-02	1.11E-02	1.11E-02	NA	1.82E-02
TRICHLOROETHYLENE (TCE)	1.50E-01	1.50E-01	1.50E-01	1.09E-01	1.09E-01	1.09E-01	1.40E-01	1.40E-01	1.40E-01	8.78E-02	8.78E-02	8.78E-02	NA	1.22E-01

TVM-003-U	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Average
Flow Rate (cfm)	3.98	3.98	3.98	6.26	6.26	6.26	4.53	4.53	4.53	7.19	7.19	7.19	65.88	5.49
Operating Time (hrs)	372	336	372	360	372	360	372	372	360	372	360	372	4380	365
Total VOC Mass Removed (lbs)[A]	1.81E-03	1.64E-03	1.81E-03	2.84E-03	2.93E-03	2.84E-03	1.47E-03	1.47E-03	1.43E-03	0.00E+00	0.00E+00	0.00E+00	1.82E-02	1.52E-03
Concentration (ppmv)														
CARBON TETRACHLORIDE	0	0	0	0	0	0	0	0	0	0	0	0	NA	0
TETRACHLOROETHYLENE (PCE)	0	0	0	0	0	0	0	0	0	0	0	0	NA	0
TRICHLOROETHYLENE (TCE)	6.08E-02	6.08E-02	6.08E-02	6.25E-02	6.25E-02	6.25E-02	4.34E-02	4.34E-02	4.34E-02	0	0	0	NA	4.17E-02

TVM-004-V	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Average
Flow Rate (cfm)	4.7	4.7	4.7	6.4	6.4	6.4	5.86	5.86	5.86	5.45	5.45	5.45	67.23	5.6025
Operating Time (hrs)	372	336	372	360	372	360	372	372	360	372	360	372	4380	365
Total VOC Mass Removed (lbs)[A]	6.55E-04	5.92E-04	6.55E-04	1.46E-03	1.51E-03	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-03	5.27E-04
Concentration (ppmv)														
CARBON TETRACHLORIDE	0	0	0	0	0	0	0	0	0	0	0	0	NA	0
TETRACHLOROETHYLENE (PCE)	0	0	0	0	0	0	0	0	0	0	0	0	NA	0
TRICHLOROETHYLENE (TCE)	1.86E-02	1.86E-02	1.86E-02	3.14E-02	3.14E-02	3.14E-02	0	0	0	0	0	0	NA	1.25E-02

TVX-004-L	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Average
Flow Rate (cfm)	5.64	5.64	5.64	3.59	3.59	3.59	6.61	6.61	6.61	11.63	11.63	11.63	82.41	6.8675
Operating Time (hrs)	372	336	372	360	372	360	372	372	360	372	360	372	4380	365
Total VOC Mass Removed (lbs)[A]	7.48E-04	6.76E-04	7.48E-04	2.94E-04	3.04E-04	2.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-03	2.55E-04
Concentration (ppmv)														
CARBON TETRACHLORIDE	0	0	0	0	0	0	0	0	0	0	0	0	NA	0
TETRACHLOROETHYLENE (PCE)	0	0	0	0	0	0	0	0	0	0	0	0	NA	0
TRICHLOROETHYLENE (TCE)	1.77E-02	1.77E-02	1.77E-02	1.13E-02	1.13E-02	1.13E-02	0	0	0	0	0	0	NA	7.25E-03

TVX-007-U	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Average
Flow Rate (cfm)	11.36	11.36	11.36	13.83	13.83	13.83	12	12	12	7.83	7.83	7.83	135.06	11.255
Operating Time (hrs)	372	336	372	360	372	360	372	372	360	372	360	372	4380	365
Total VOC Mass Removed (lbs)[A]	4.74E-03	4.29E-03	4.74E-03	2.04E-03	2.11E-03	2.04E-03	5.40E-03	5.40E-03	5.22E-03	0.00E+00	0.00E+00	0.00E+00	3.60E-02	3.00E-03
Concentration (ppmv)														
CARBON TETRACHLORIDE	0	0	0	0	0	0	0	0	0	0	0	0	NA	0
TETRACHLOROETHYLENE (PCE)	2.61E-02	2.61E-02	2.61E-02	1.61E-02	1.61E-02	1.61E-02	2.90E-02	2.90E-02	2.90E-02	0	0	0	NA	1.78E-02
TRICHLOROETHYLENE (TCE)	2.28E-02	2.28E-02	2.28E-02	0	0	0	2.34E-02	2.34E-02	2.34E-02	0	0	0	NA	1.16E-02

VOC - volatile organic compound
lbs - pounds
cfm - cubic feet per minute
ppmv - part per million by volume
NA - not applicable
[A] Sum of total mass removed for all detected VOCs.

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Table 3–5. VOC Mass Removed by SVE (2025)

Month	TCE (lbs)	PCE (lbs)	CCl_4 (lbs)	Total (lbs)
January	1.03E-02	3.70E-03	0	1.40E-02
February	9.31E-03	3.34E-03	0	1.26E-02
March	1.03E-02	3.70E-03	0	1.40E-02
April	9.16E-03	3.16E-03	0	1.23E-02
May	9.46E-03	3.26E-03	0	1.27E-02
June	9.16E-03	3.16E-03	0	1.23E-02
July	1.07E-02	4.58E-03	0	1.53E-02
August	1.07E-02	4.58E-03	0	1.53E-02
September	1.04E-02	4.43E-03	0	1.48E-02
October	5.74E-03	9.15E-04	0	6.65E-03
November	5.55E-03	8.86E-04	0	6.44E-03
December	5.74E-03	9.15E-04	0	6.65E-03
Average Monthly Removed in 2024	8.88E-03	3.05E-03	0	1.19E-02
Totals	**1.07E-01**	**3.66E-02**	**0**	**1.43E-01**

Table 3–6. Estimated TCE Plume Mass

Year	Plume Area (ft^2)	Aquifer thickness (ft)	Plume Volume (ft^3)	Average concentration of >5ppb TCE Plume (ug/L)	Number of wells used in the average	Porosity	TCE Mass (kg)
2007	441,695	20	8,833,899	71.15	13	0.3	5.34
2008	326,697	20	6,533,949	37.20	9	0.3	2.06
2009	318,857	20	6,377,134	46.75	11	0.3	2.53
2010	292,721	20	5,854,418	14.08	9	0.3	0.70
2011	277,039	20	5,540,789	27.78	8	0.3	1.31
2012	301,433	20	6,028,657	22.15	11	0.3	1.13
2013	226,946	20	4,538,917	34.08	7	0.3	1.31
2014	309,274	20	6,185,472	12.92	9	0.3	0.68
2015	155,508	20	3,110,160	13.20	4	0.3	0.35
2016	141,569	20	2,831,378	12.07	2	0.3	0.29
2017	192,098	20	3,841,962	13.8	3	0.3	0.45
2018	0	20	0	1.47***	13	0.3	0
2019	182,951	20	3,659,011	5.95	1	0.3	0.18
2020	222,154	20	4,443,085	5.95	2	0.3	0.22
2021	232,609	20	4,652,172	16.1	3	0.3	0.64
2022	274,861	20	5,497,229	16.88	2	0.3	0.79
2023	150,281	20	3,005,617	6.59	3	0.3	0.17
2024	86,188	20	1,723,758	13.25	2	0.3	0.19
2025	89,297	20	1,785,946	11.24	2	0.3	0.17

***Fourth quarter data was utilized when determining the plume area and average TCE concentrations.**
****Unit conversions used in the TCE mass calculation: 28.32 L/ft^3; 1x10^9 µg/kg**
*****This average was created using all detect and estimated (J) TCE concentrations, since all TCE results were < 5 µg/L**

4.0 SUMMARY/RECOMMENDATIONS

4.1 Summary

The TNX Area OU monitoring well network is sampled semi-annually and consists of 43 monitoring wells and three surface water stations. Constituents exceeding MCLs/RSLs during 2025 include 1,4-dioxane; TCE, adjusted gross alpha, and uranium.

Monitoring data indicate that EO injection fluids successfully created an anaerobic, reductive environment within the treatment area and successfully reduced TCE mass within the treatment zone. TCE concentrations are less than the MCL at most wells in the treatment area, downgradient from the TAOU cap, and in the wetlands. Monitoring wells TRW 2 and TVM 1M exceeded the MCL for TCE in 2025. Monitoring wells that have TCE concentrations exceeding the MCL and are located downgradient of the EO treatment area (i.e., only TRW 2 in 4Q2025) represent a plume that is detached from the source. The TCE concentrations within the detached plume are currently low, are expected to continue declining with time, and do not meet the trigger criteria for additional EO injections.

During 2025, five SVE wells were connected to MicroBlowers™ and operated for the entire year. The annual removal rate was approximately 0.143 lb of VOCs from the TNX vadose zone. SVE at TNX has successfully removed VOC mass from the vadose zone through 2025, reducing impacts to groundwater. However, mass removal rates have declined significantly since the MicroBlowers™ have been operational. The SVE system was shut down in 2026 based on Core Team agreement during a January 6, 2026 comment resolution meeting. Final SVE sampling results and completion of SVE shutdown and abandonment activities will be reported in the 2026 TNX Area Groundwater Report.

Through 2025, remedial actions (i.e., EO and SVE) continued to provide effective treatment and source reduction of the groundwater at TNX Area OU. Future sampling events will be used to determine the longevity of the EO treatment and resulting TCE concentrations.

There appears to be a localized 1,4-dioxane plume near the TBG source area at wells TBG 3, TBG 4, and TBG 5. Concentrations of 1,4-dioxane at TBG 5 have been stable since 2017, averaging approximately 4.39 µg/L. 1,4-Dioxane concentrations at TBG 3 and TBG 4 have been sporadic.

Adjusted gross alpha, combined radium, and uranium detections were sporadic, only exceeded MCLs at TCM 5 for uranium and TNX 35D for adjusted gross alpha in 2025, and likely represent naturally occurring radionuclides and uranium. The exceedances do not define a discernible groundwater plume for uranium or adjusted gross alpha.

4.2 Recommendations

SRS recommends continuing to collect a filtered and non-filtered samples in the X-008 Ditch surface water stations (i.e., X-008-DW1, X-008-DW2, and X-008-DW3) to compare results and assess turbidity influence on metals and radionuclide analysis.

SRS recommends future analysis for 1,4-dioxane can be completed using only EPA method 8270ESIM since it is SCDES certified and achieves a MDL less than the RSL (0.46 µg/L). The other two methods, EPA method 522 and 8260DSIM, will no longer be utilized.

SRS recommends continued monitoring of the existing well network and surface water stations with the current sampling and analysis schedule (Table 2-3).

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WSRC, 2005c. *Explanation of Significant Differences to the Record of Decision for the TNX Area Operable Unit*, WSRC-RP-2005-4030, Revision 1, June 2005, Westinghouse Savannah River Company, Savannah River Site, Aiken, SC

WSRC, 2006. *Post-Construction Report (PCR) for T Area Operable Unit (TAOU) (U)*, WSRC-RP-2006-4005, Revision 1, November 2006, Washington Savannah River Company, LLC, Savannah River Site, Aiken, SC

APPENDIX A

FIGURES

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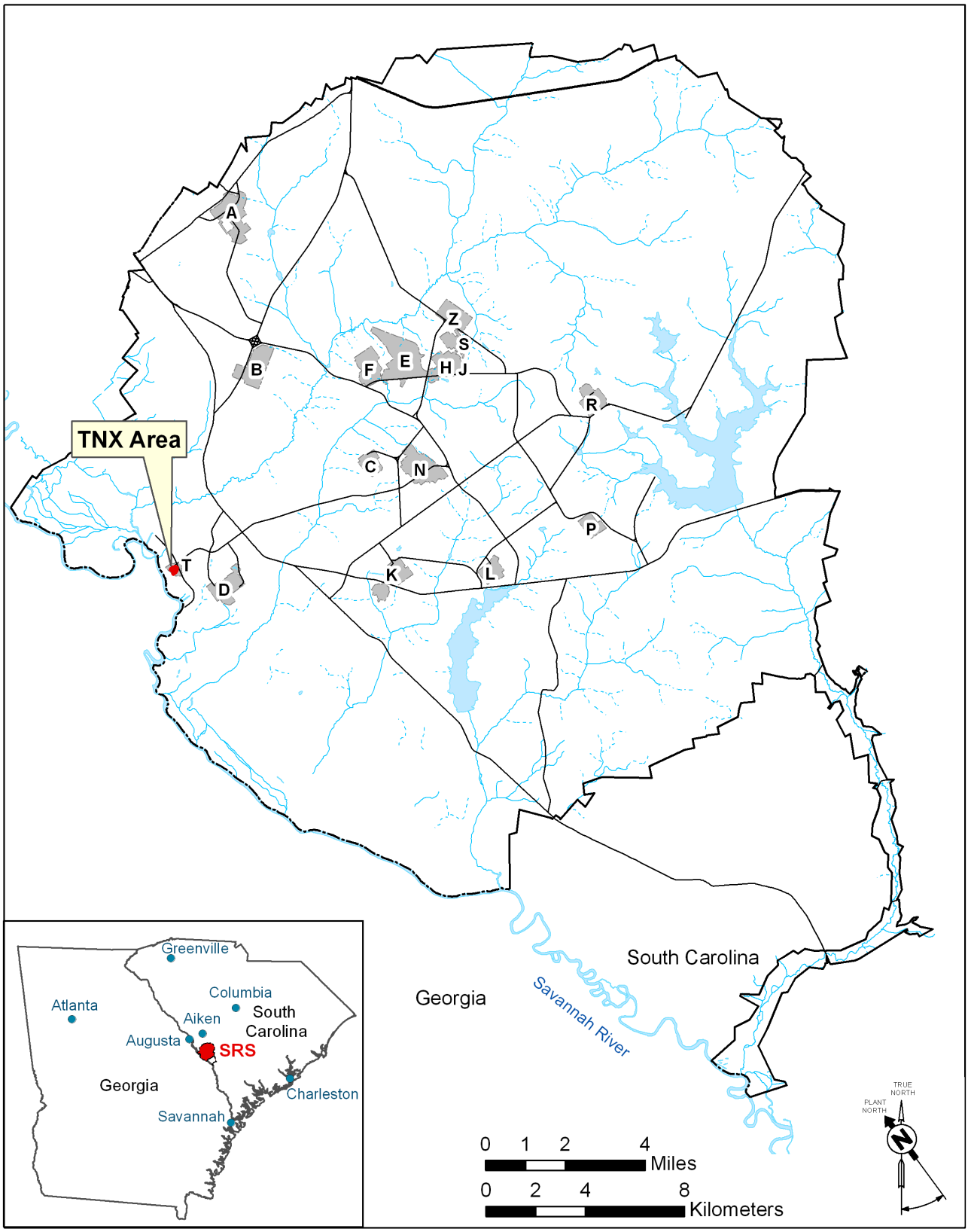

Figure A-1. Location of the TNX Area at the Savannah River

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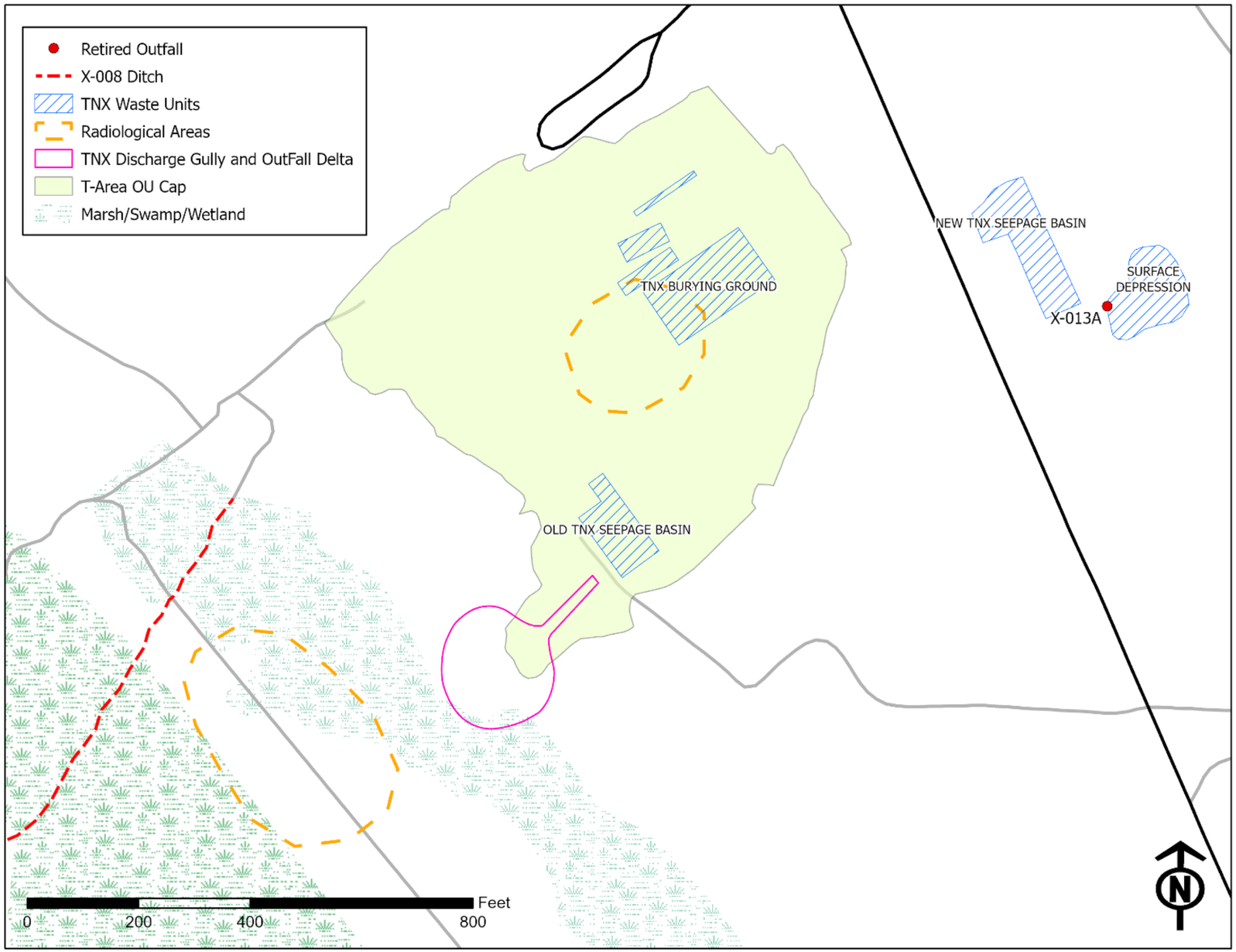

Figure A-2. Location of TNX Waste Units

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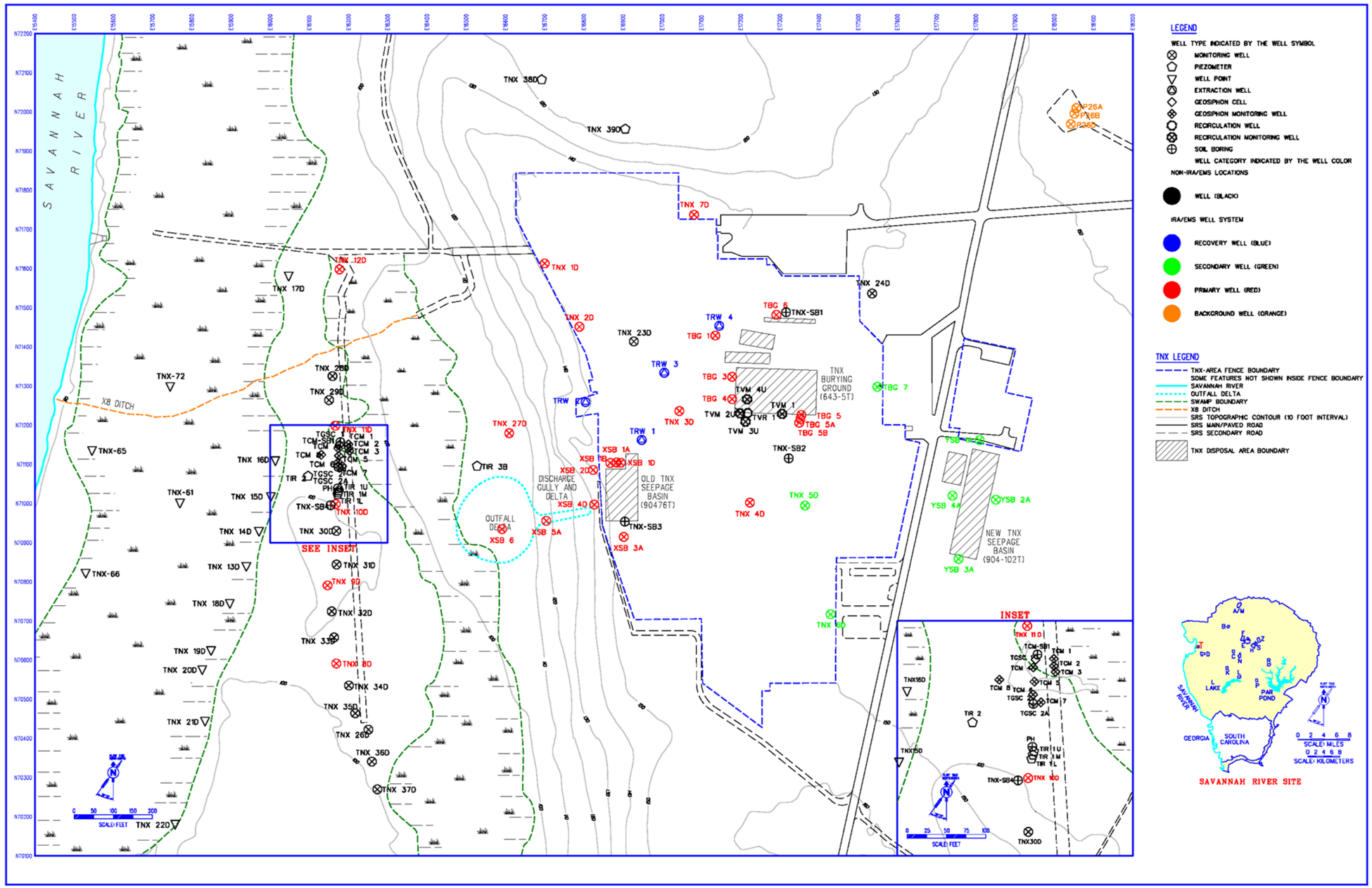

Figure A-3. Location of TNX Area Interim Remedial Action / Effectiveness Monitoring Strategy Well System during Startup and Initial Operations

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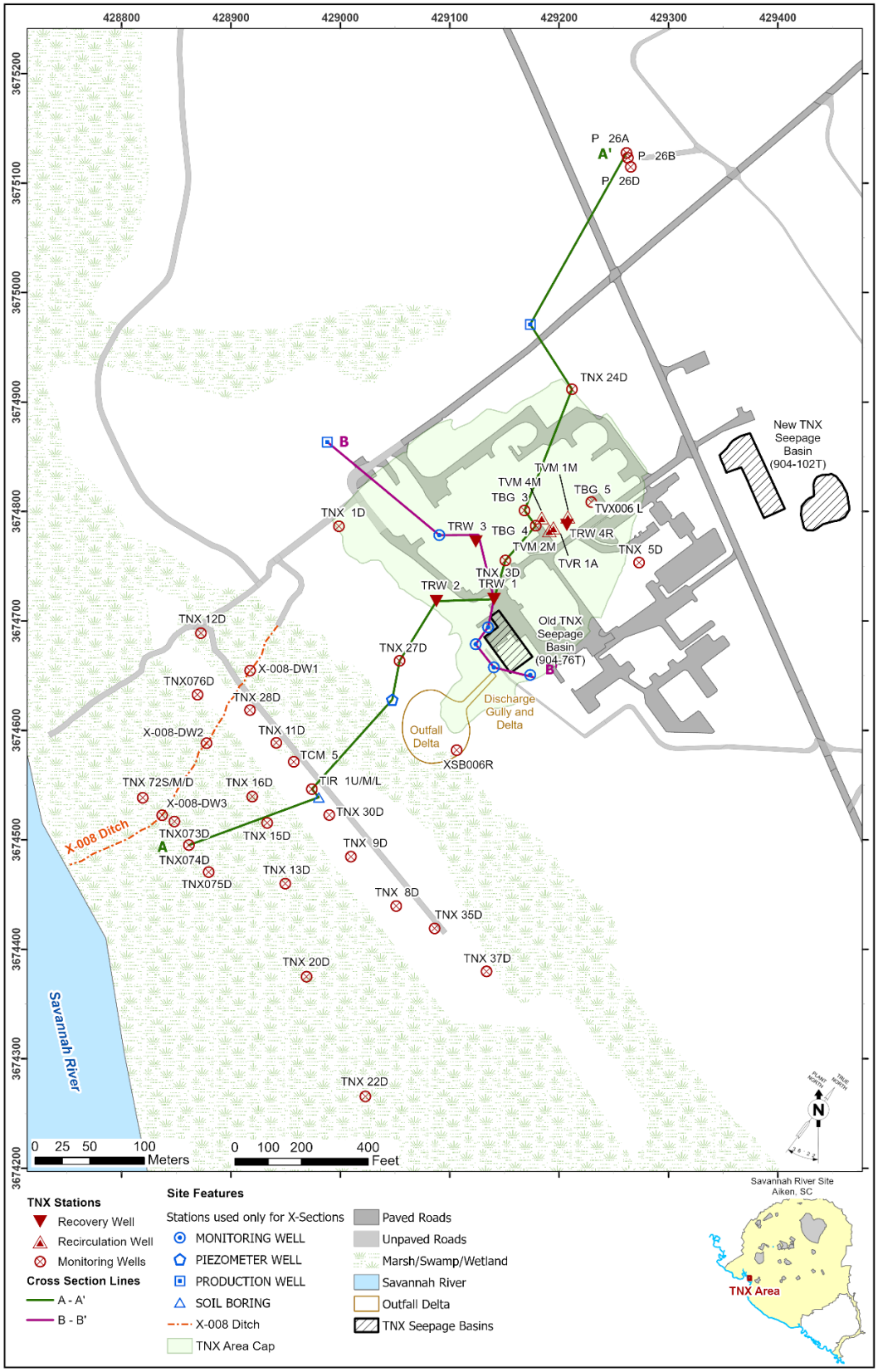

Figure A-4. TNX Area Cross Section Location Plan

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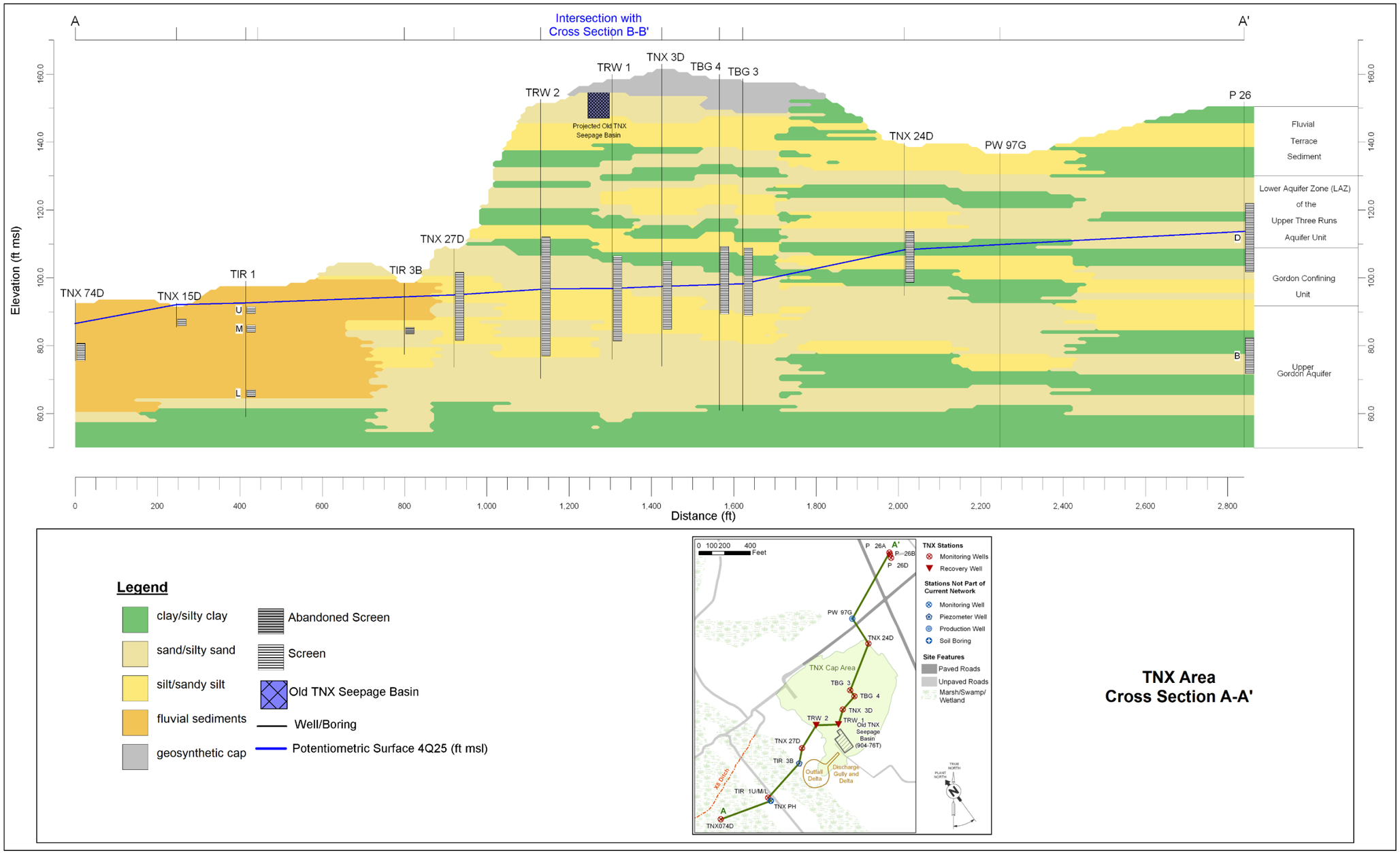

Figure A-5. TNX Area Cross Section A-A'



Figure A-6. TNX Area Cross Section B-B’

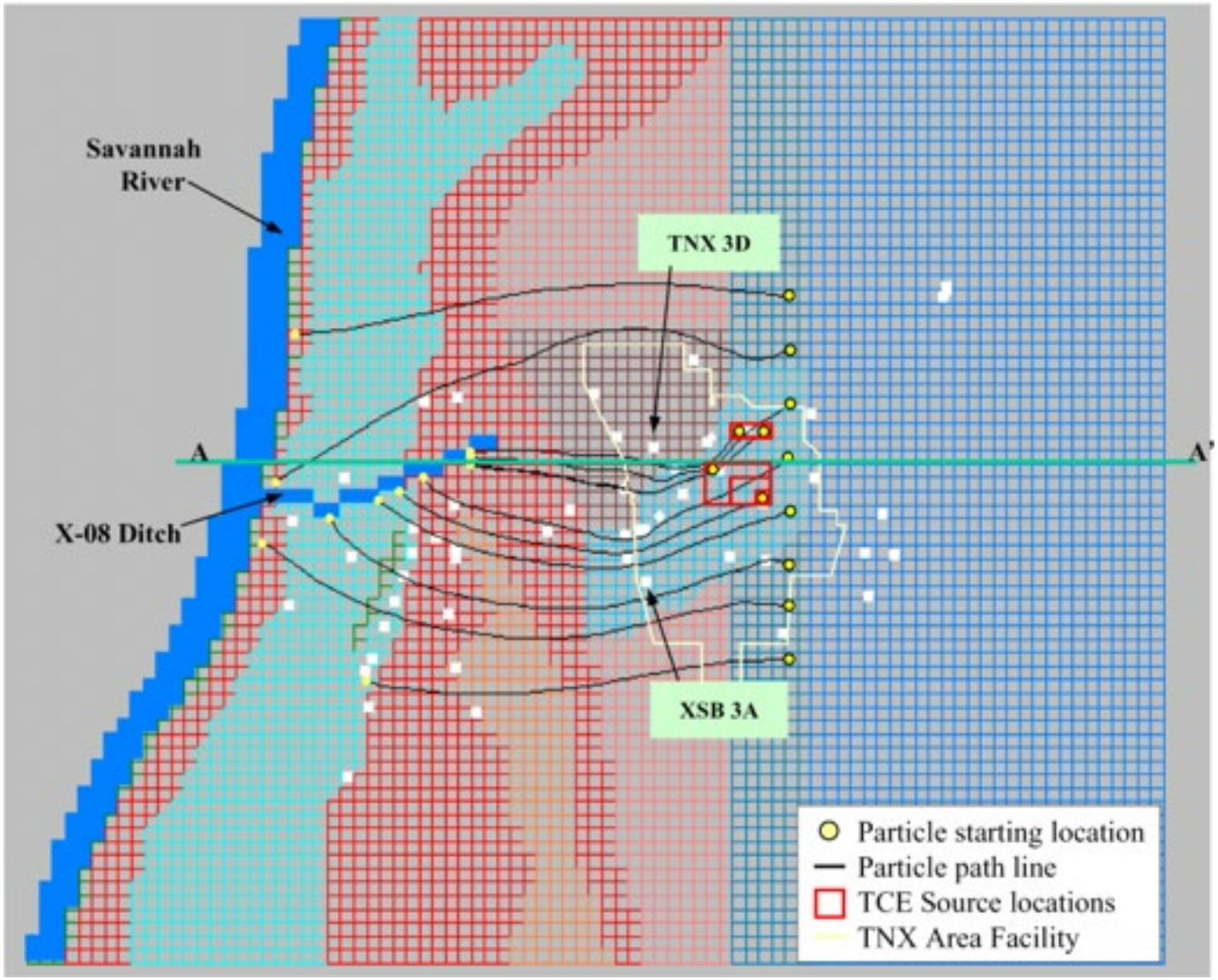

Figure A-7. Plan View of the TNX Area OU Showing Particle Starting Locations and Path Lines Towards the X-008 Ditch and the Savannah River

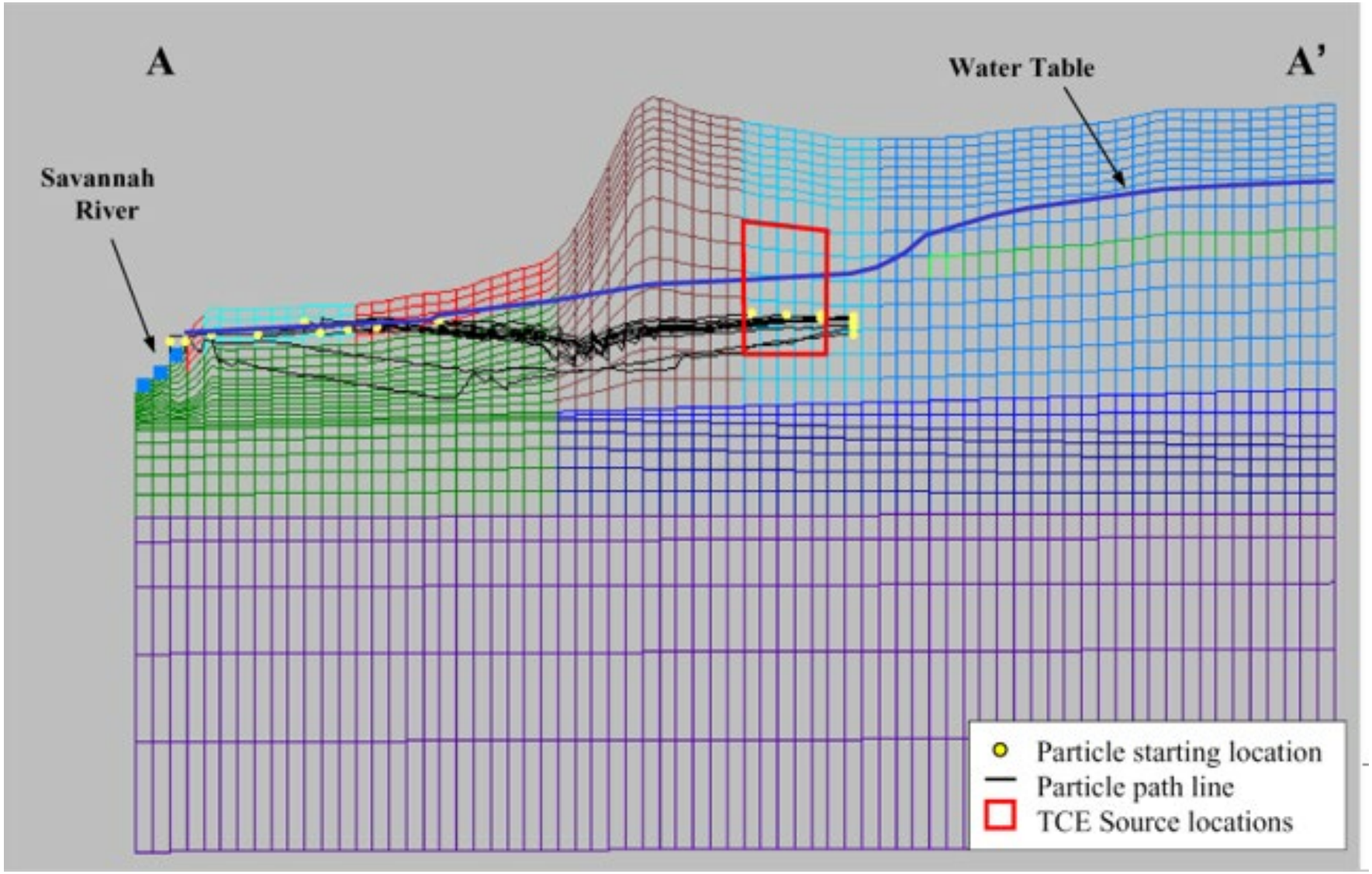

Figure A-8. Cross-sectional View along Section A-A' Showing the Vertical Locations and Particle Path Line

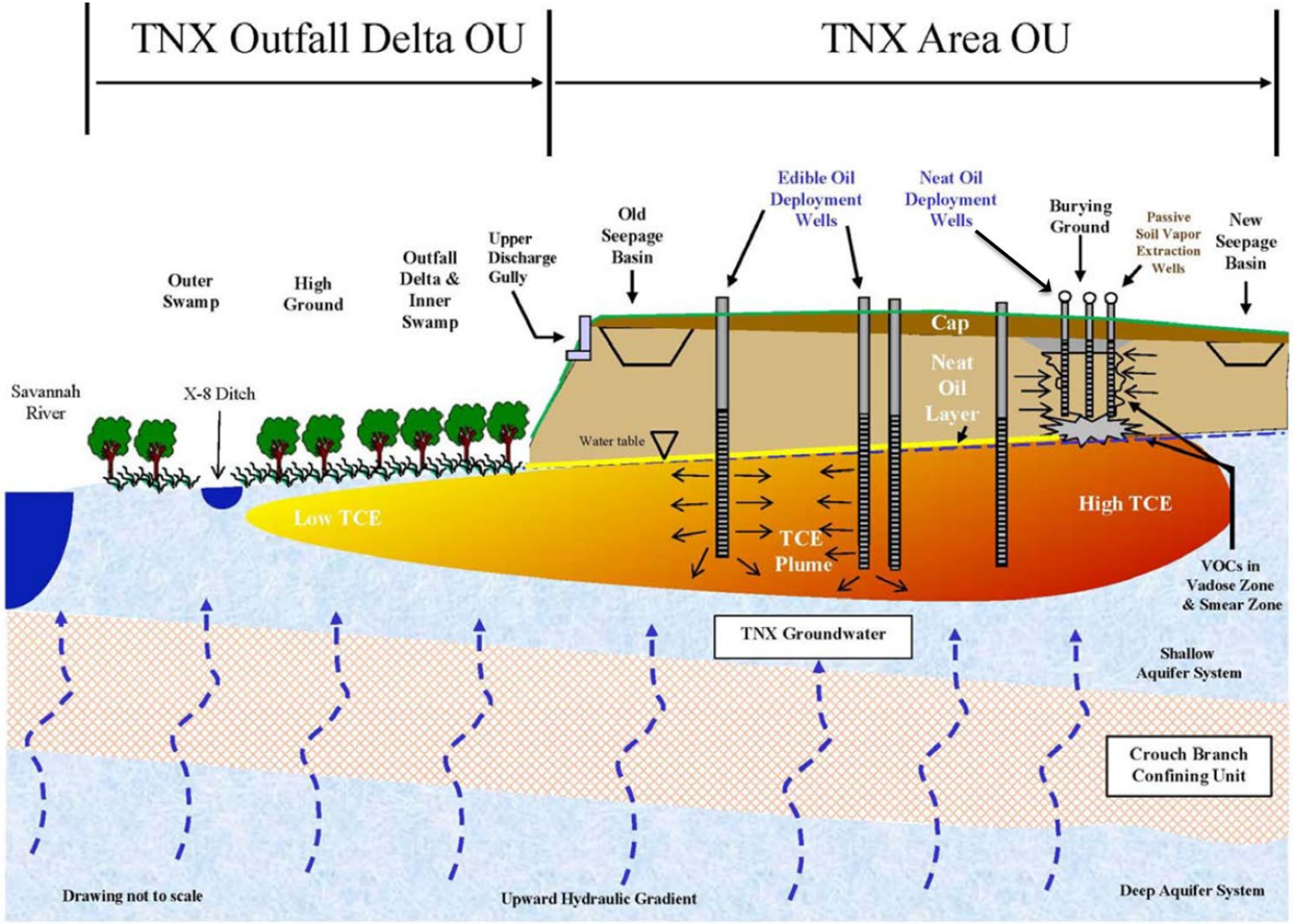

Figure A-9. Schematic Cross Section of TNX Operable Units and Remedial Action

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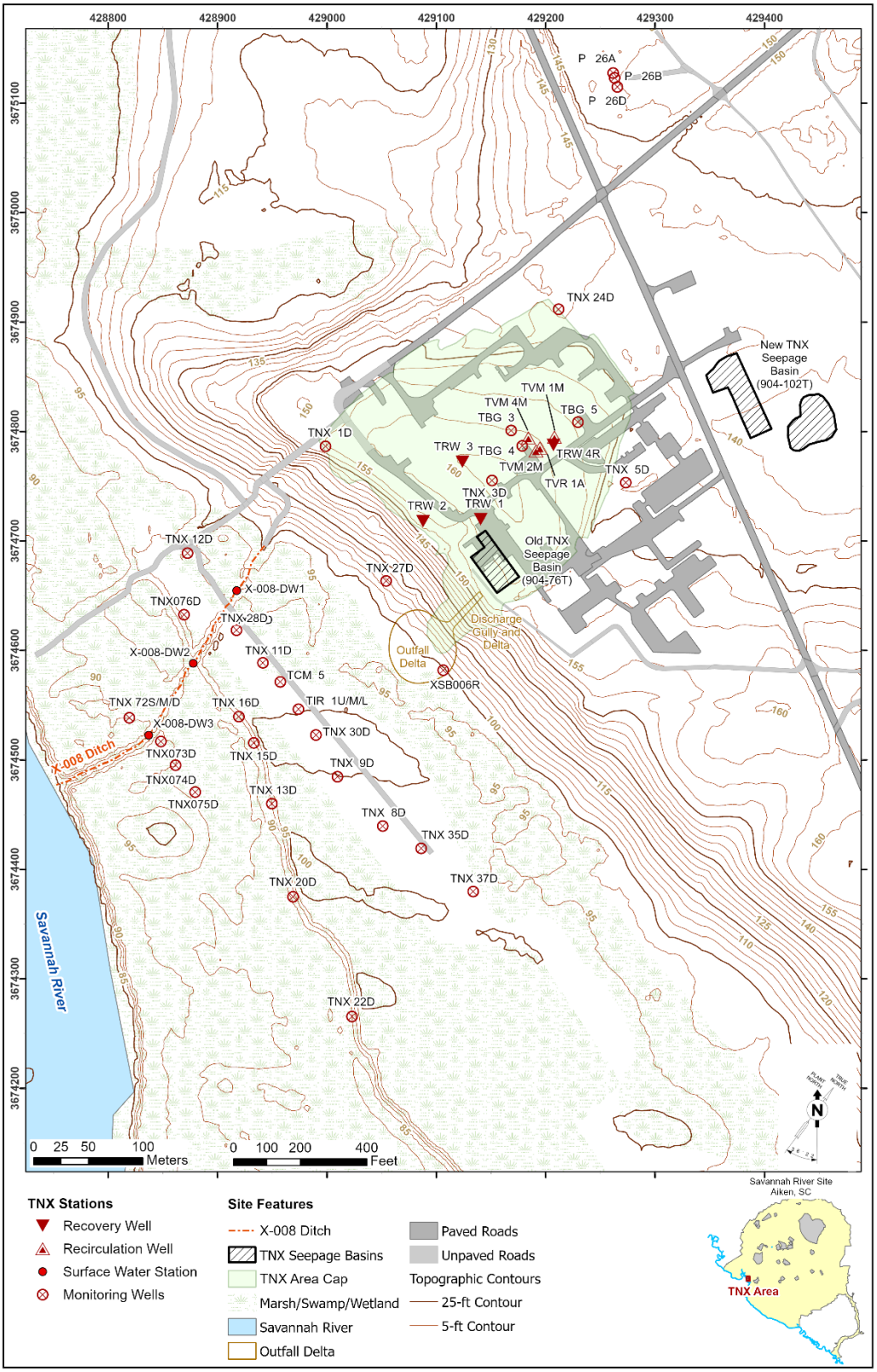

Figure A-10. TNX Area Well Locations

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Figure A-11. Location of TNX Area SVE Monitoring Well System

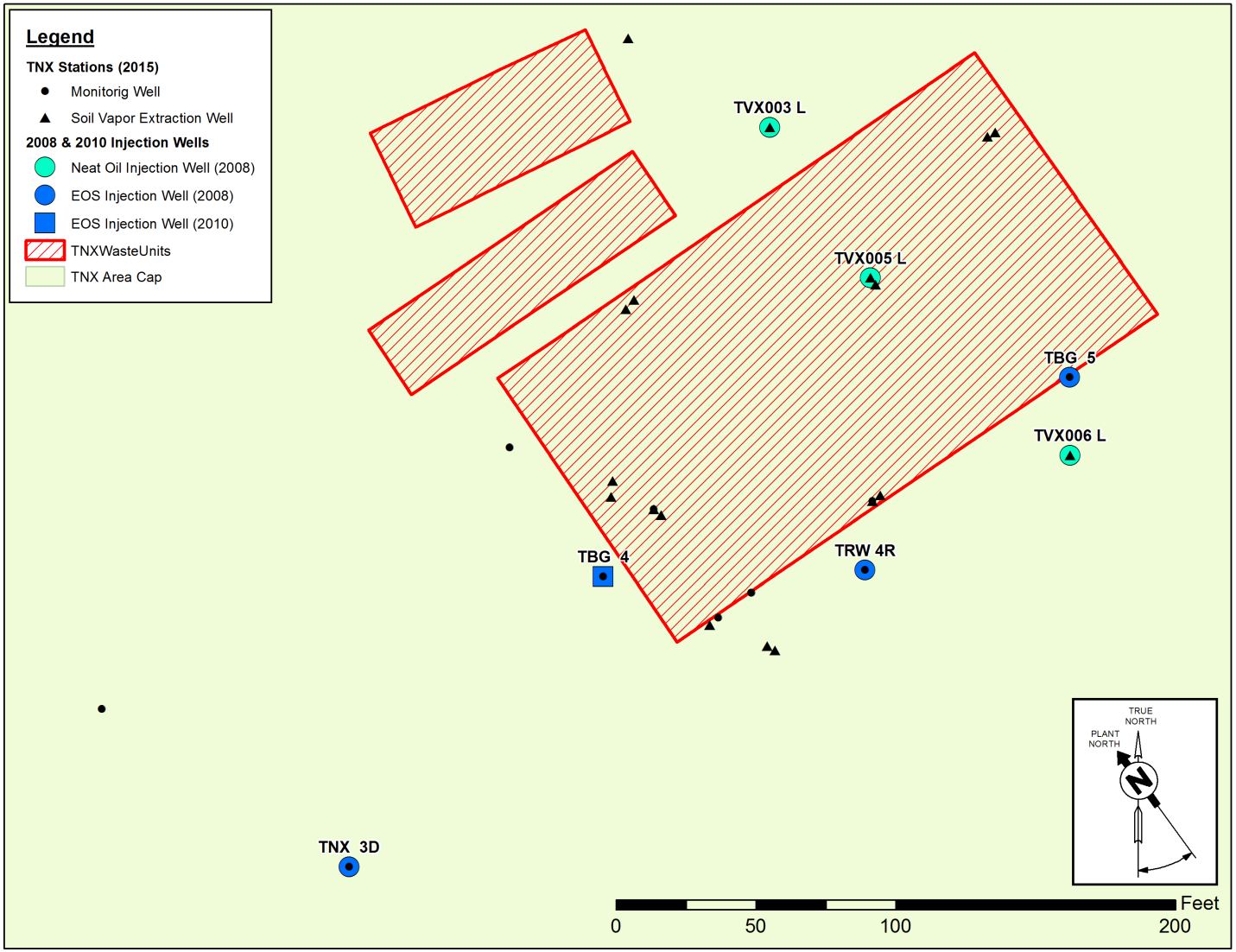

Figure A-12. Location of Edible Oil Injection Wells (2008 and 2010 Injections)

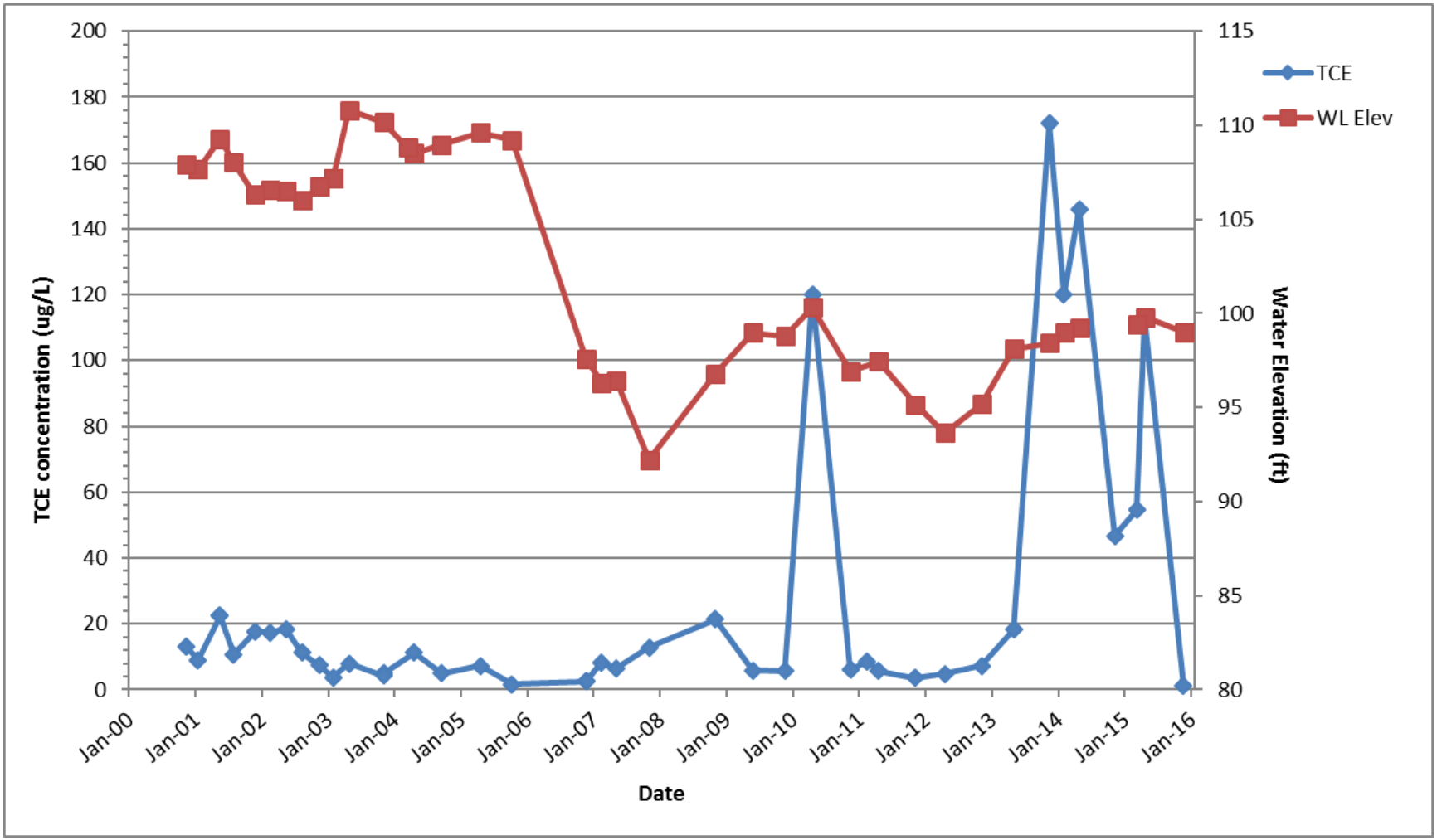

Figure A-13. Comparison of TCE Concentration and Water Elevation at TBG 3

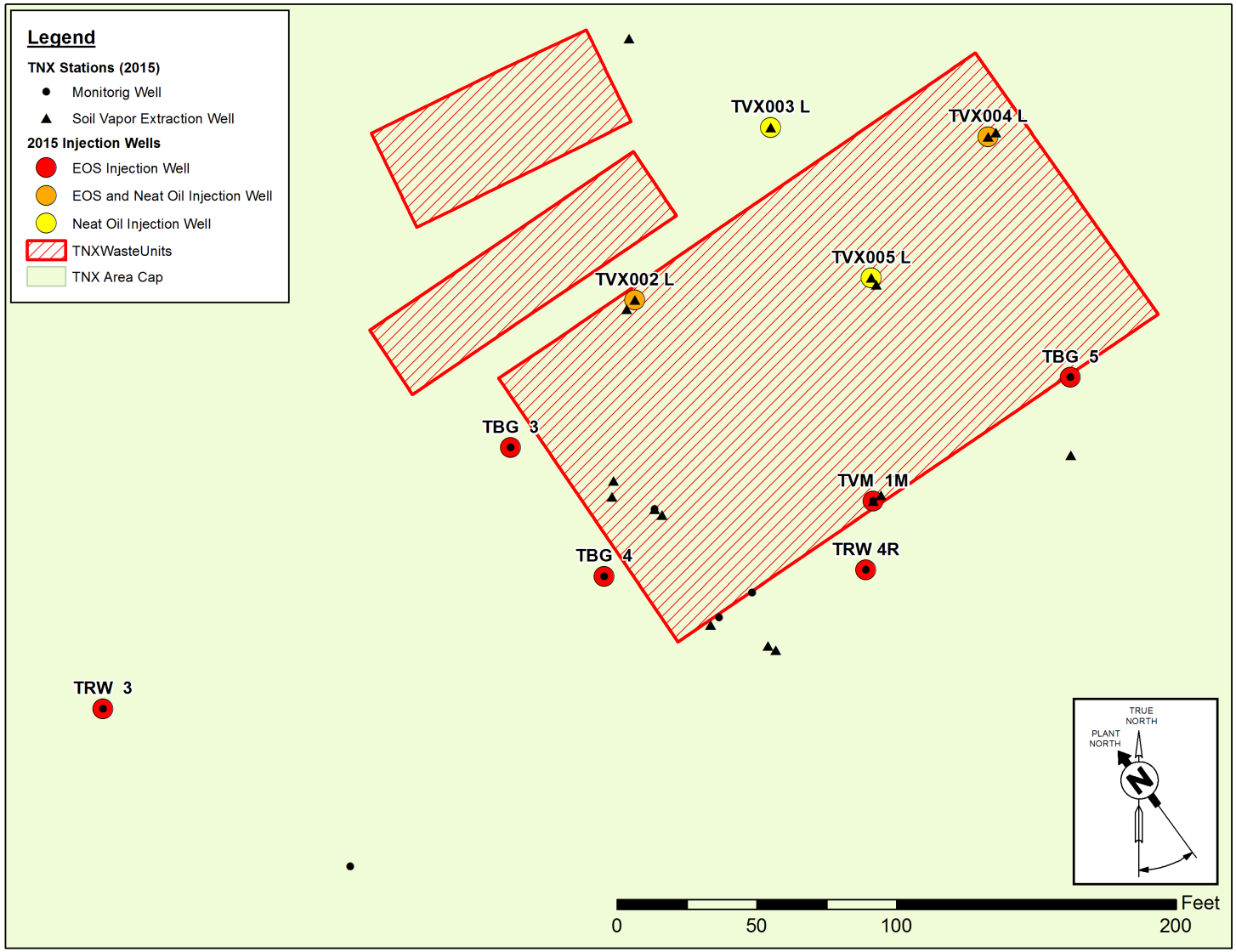

Figure A-14. Location of Edible Oil Injection Wells (2015 Injection)

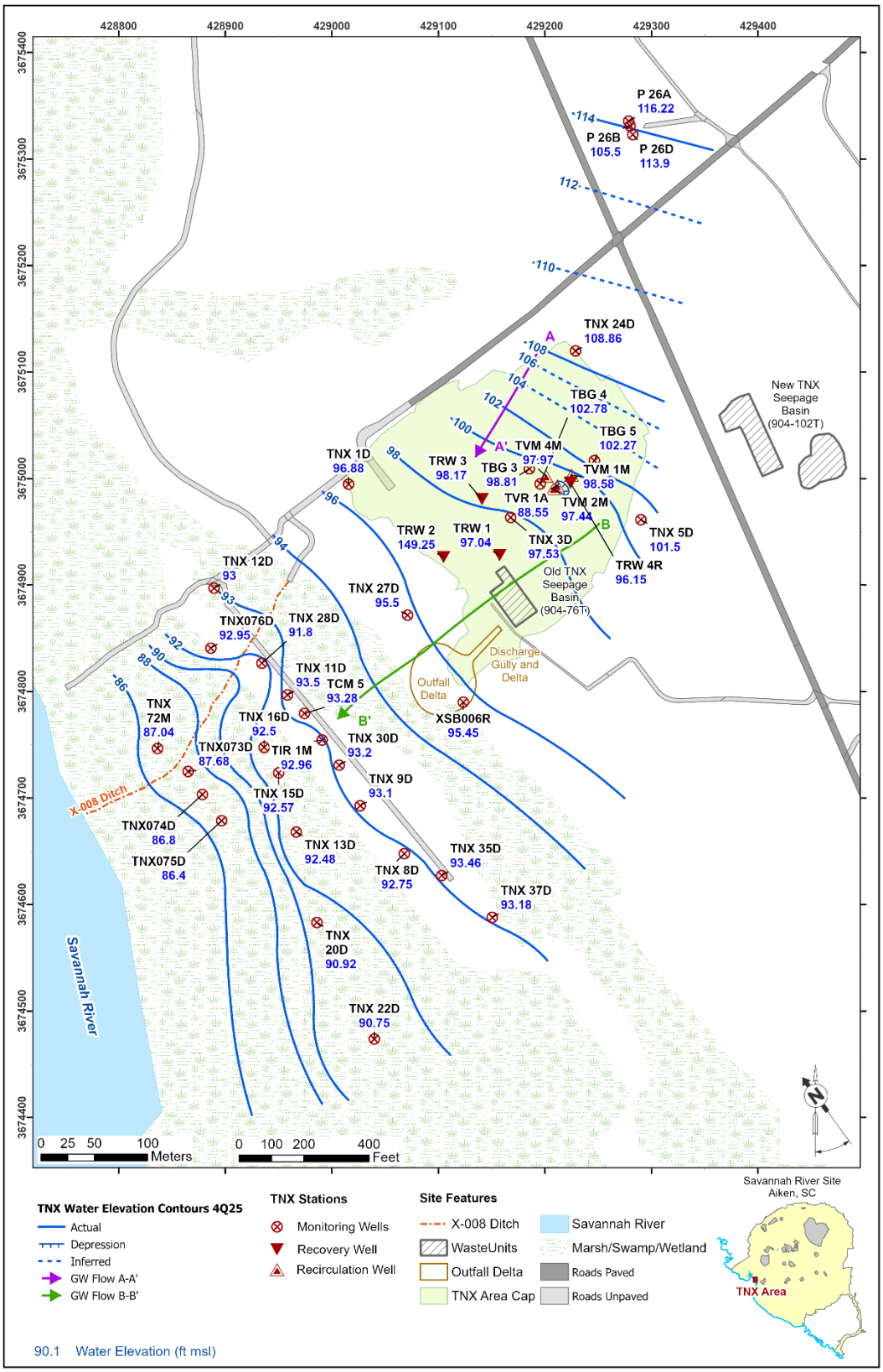

Figure A-15. TNX Area Water Table Elevation 4Q2025

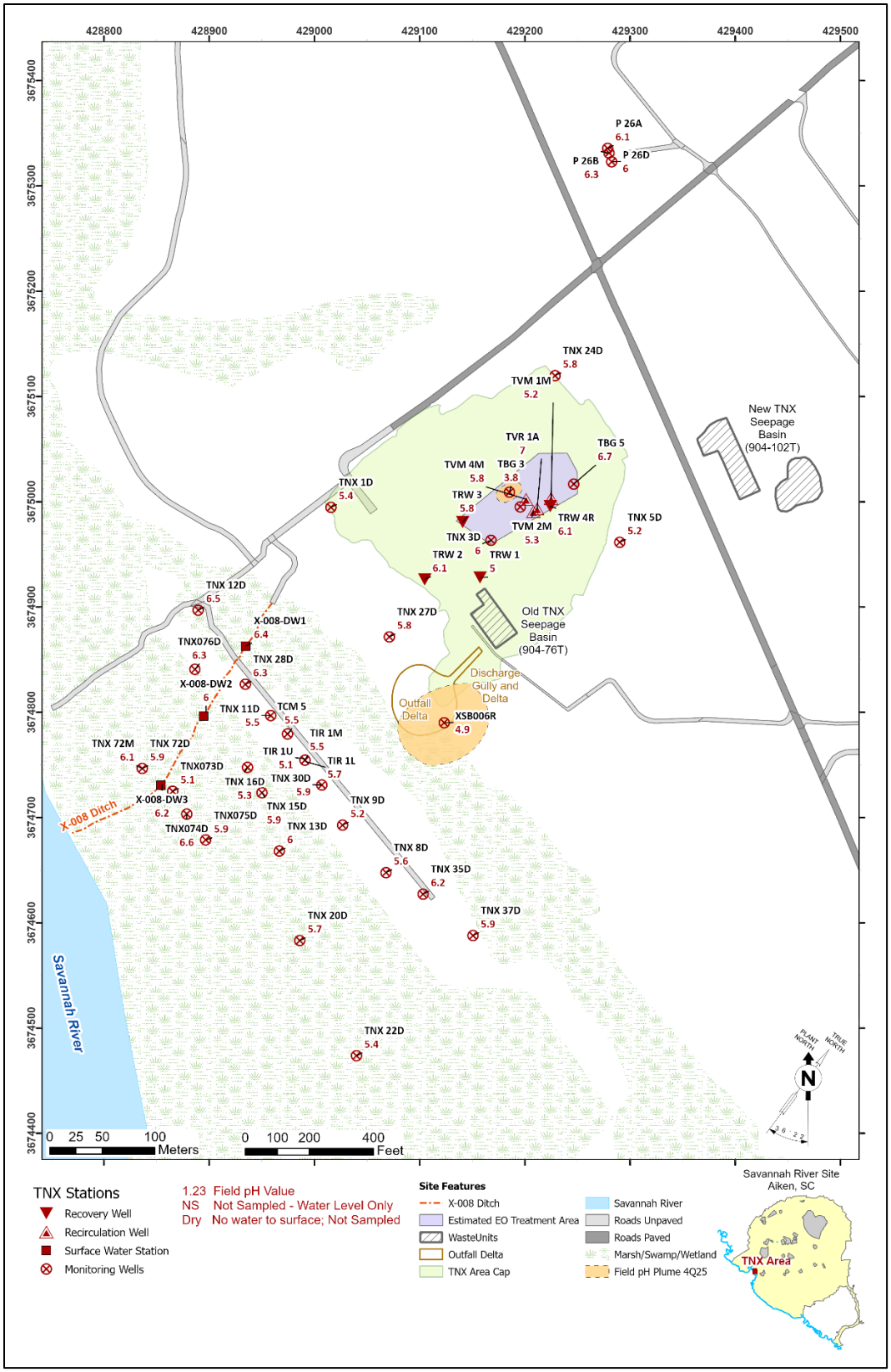

Figure A-16. TNX Area Field pH of Groundwater, 4Q2025

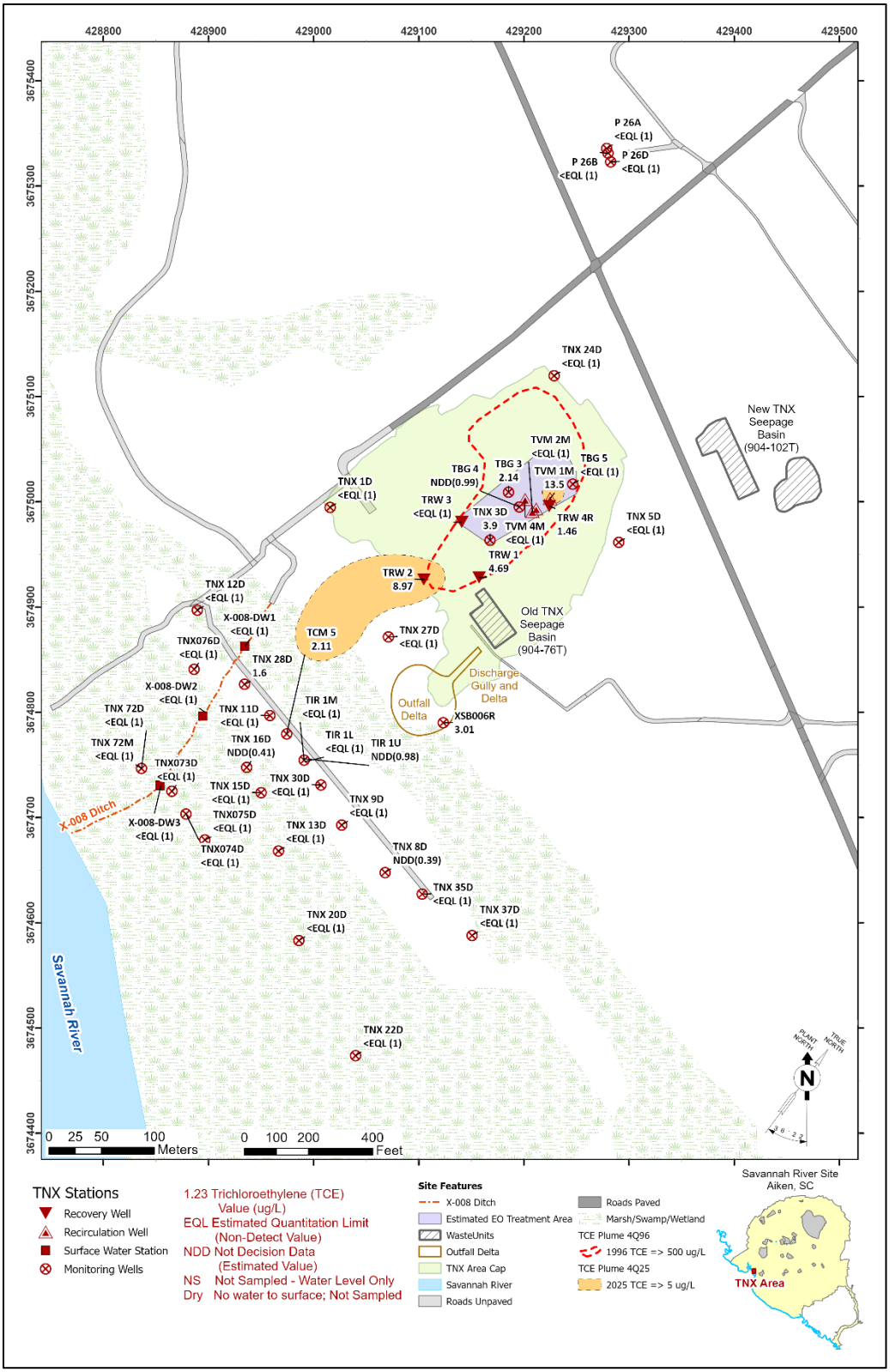

Figure A-17. TNX Area Trichloroethylene (TCE) Concentration in Groundwater, 4Q2025 with >500 µg/L TCE Plume from 4Q1996 Superimposed

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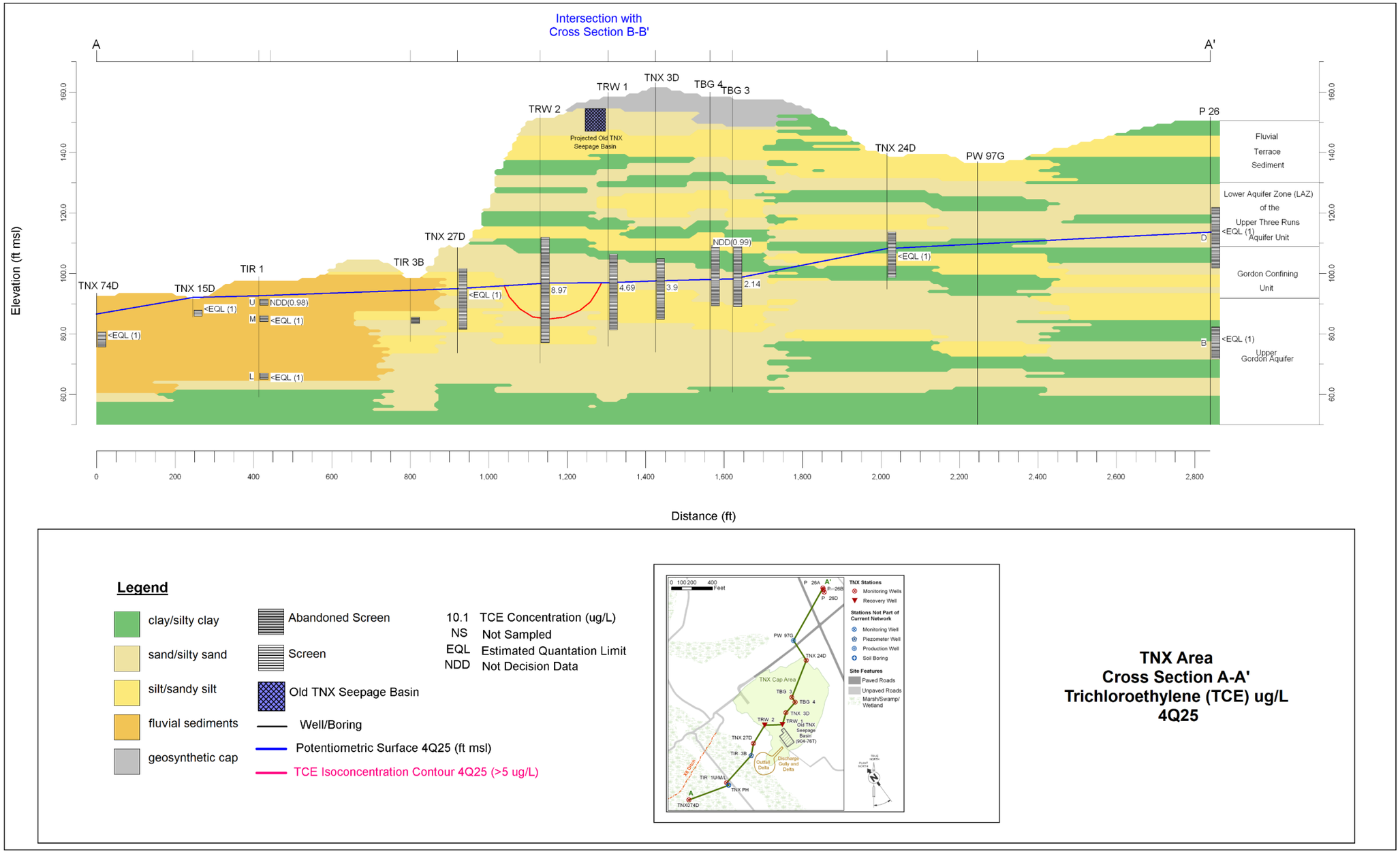

Figure A-18. TNX Area Cross Section A-A' Trichloroethylene (TCE) Concentration in Groundwater, 4Q2025



Figure A-19. TNX Area Cross Section B-B' Trichloroethylene (TCE) Concentration in Groundwater, 4Q2025

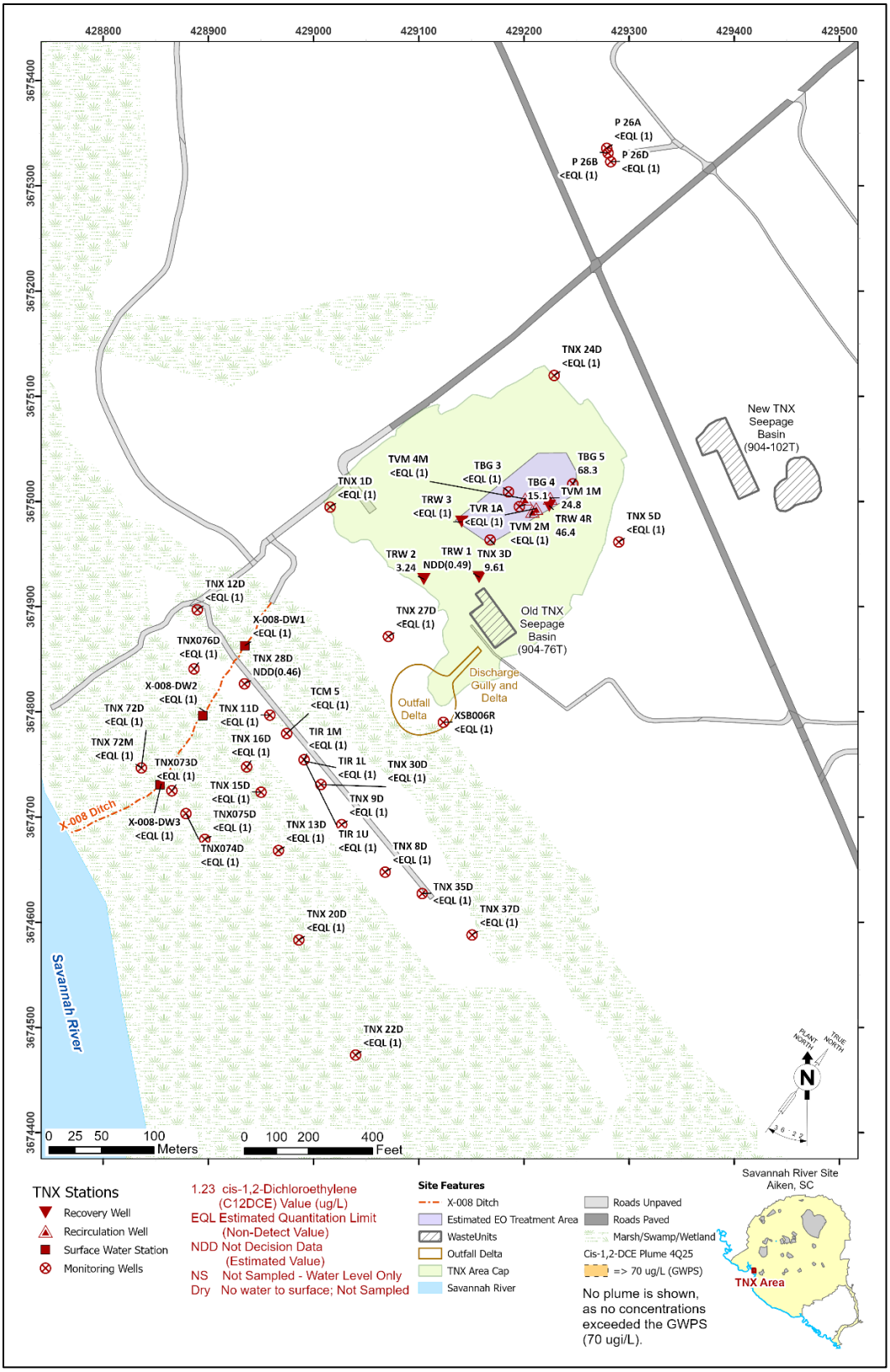

Figure A-20. TNX Area Cis-1,2-Dichloroethylene Concentration in Groundwater, 4Q2025

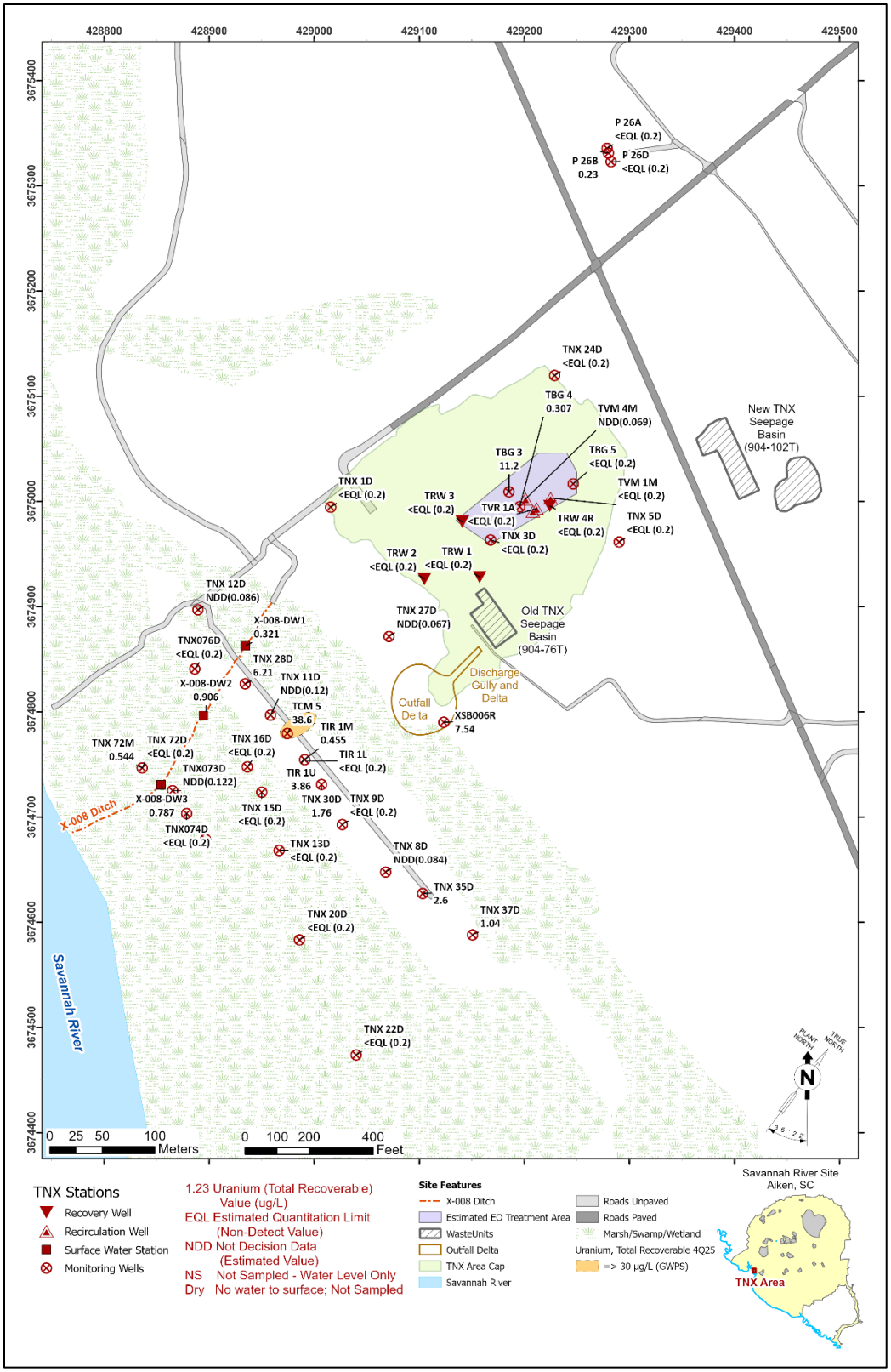

Figure A-21. TNX Area Uranium, Total Recoverable Concentration in Groundwater, 4Q2025

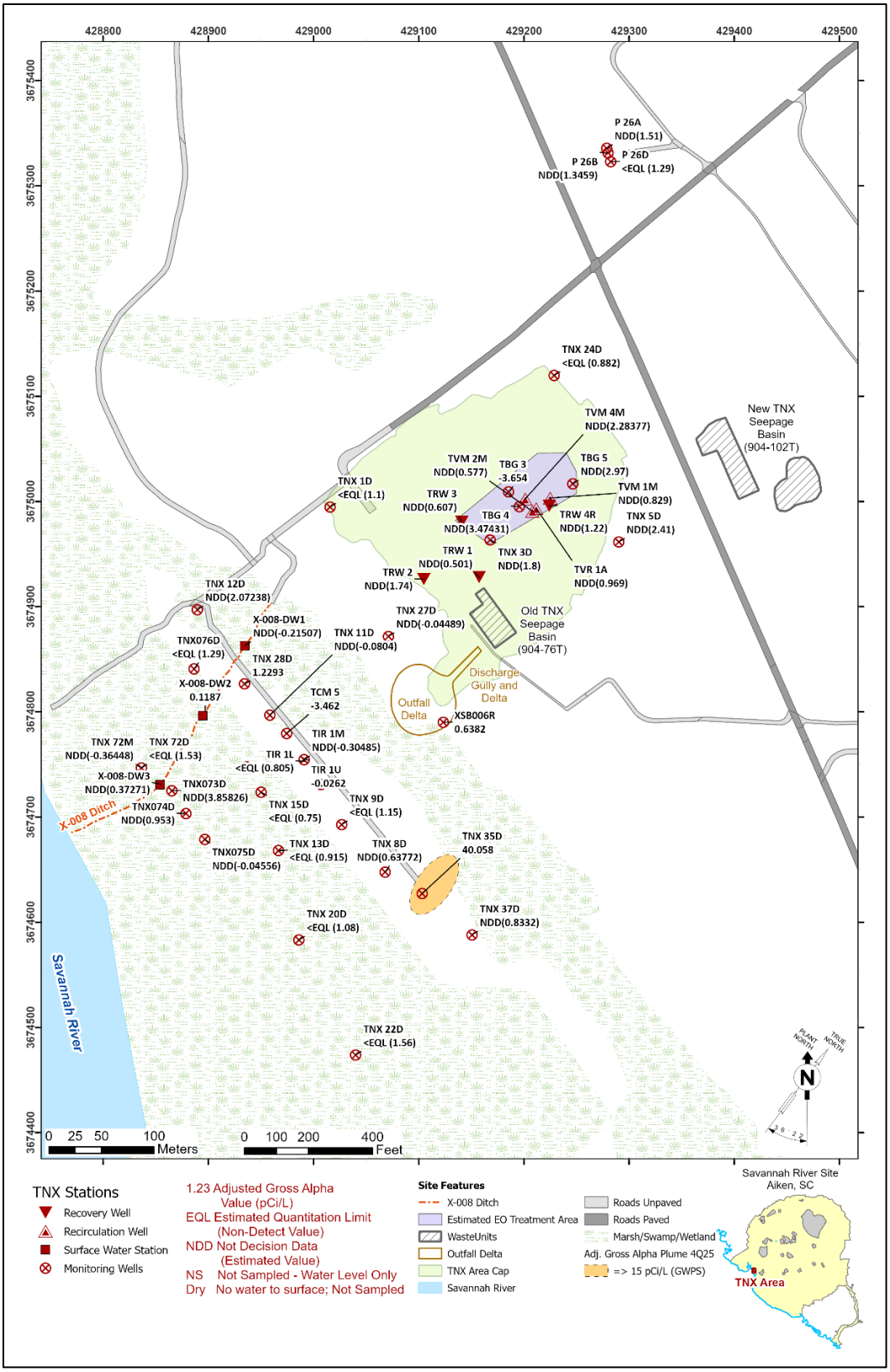

Figure A-22. TNX Area Adjusted Gross Alpha Activity in Groundwater, 4Q2025

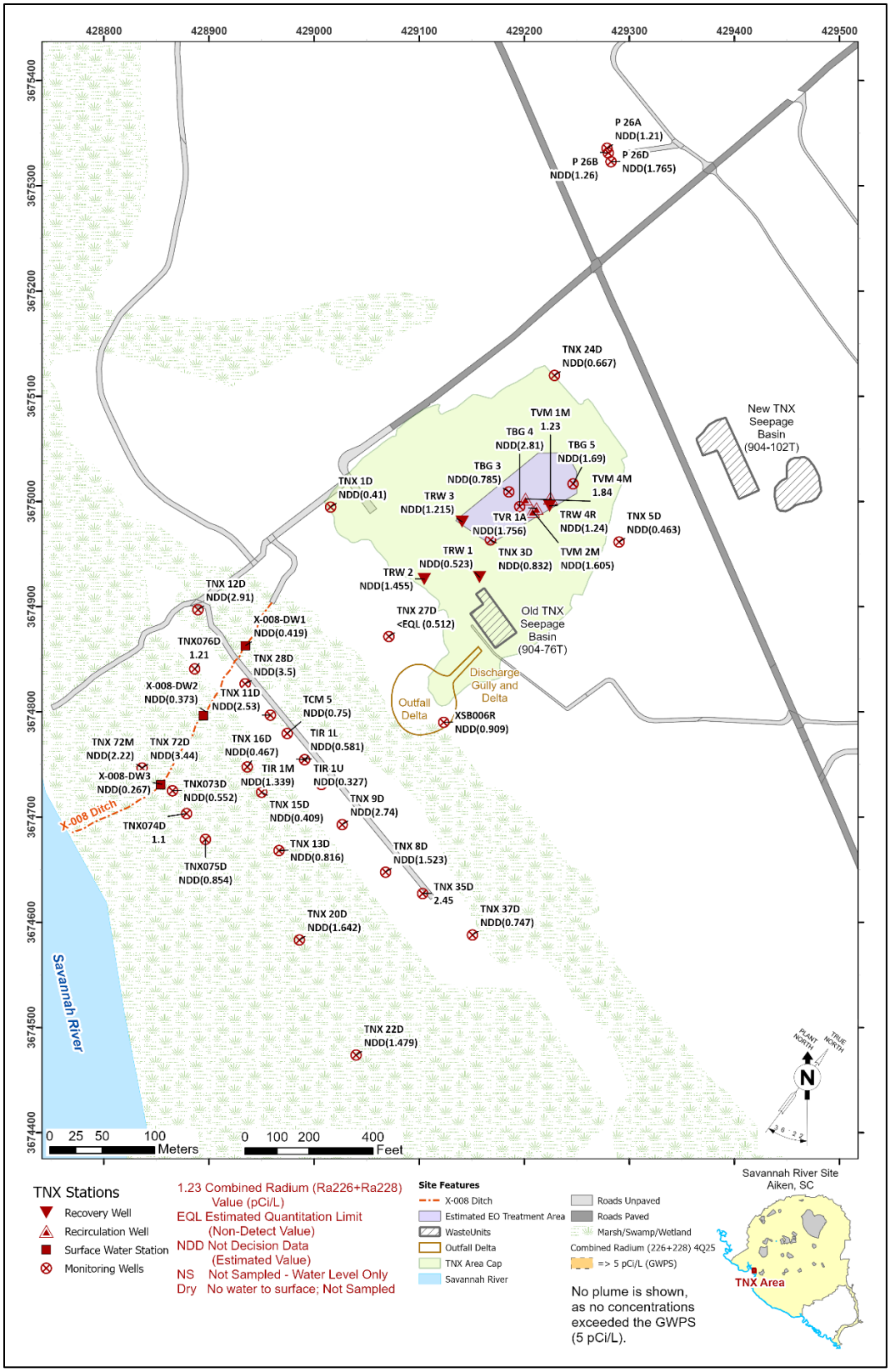

Figure A-23. TNX Area Combined Ra-226/228 Activity in Groundwater, 4Q2025

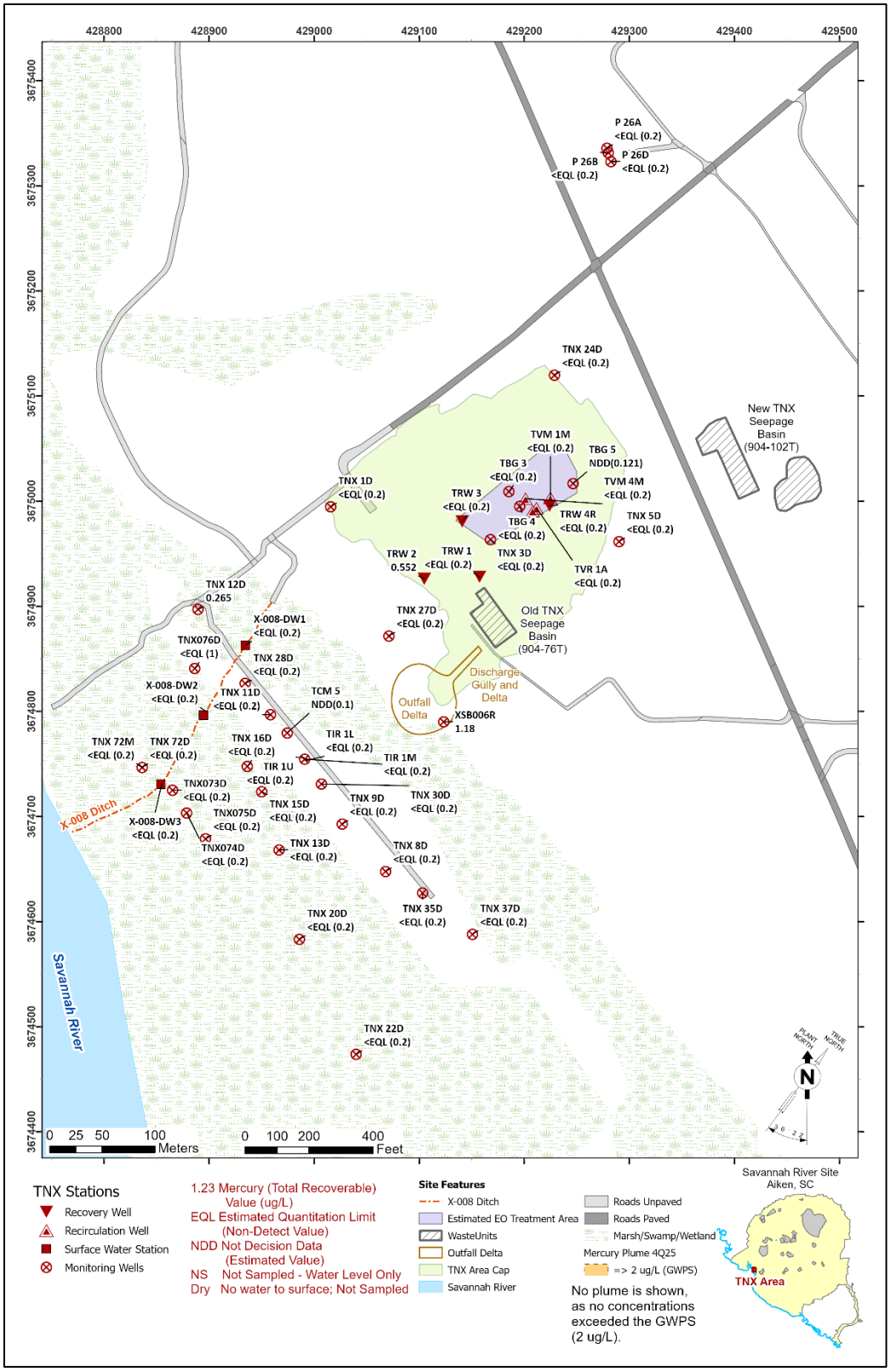

Figure A-24. TNX Area Mercury, Total Recoverable Concentration in Groundwater, 4Q2025

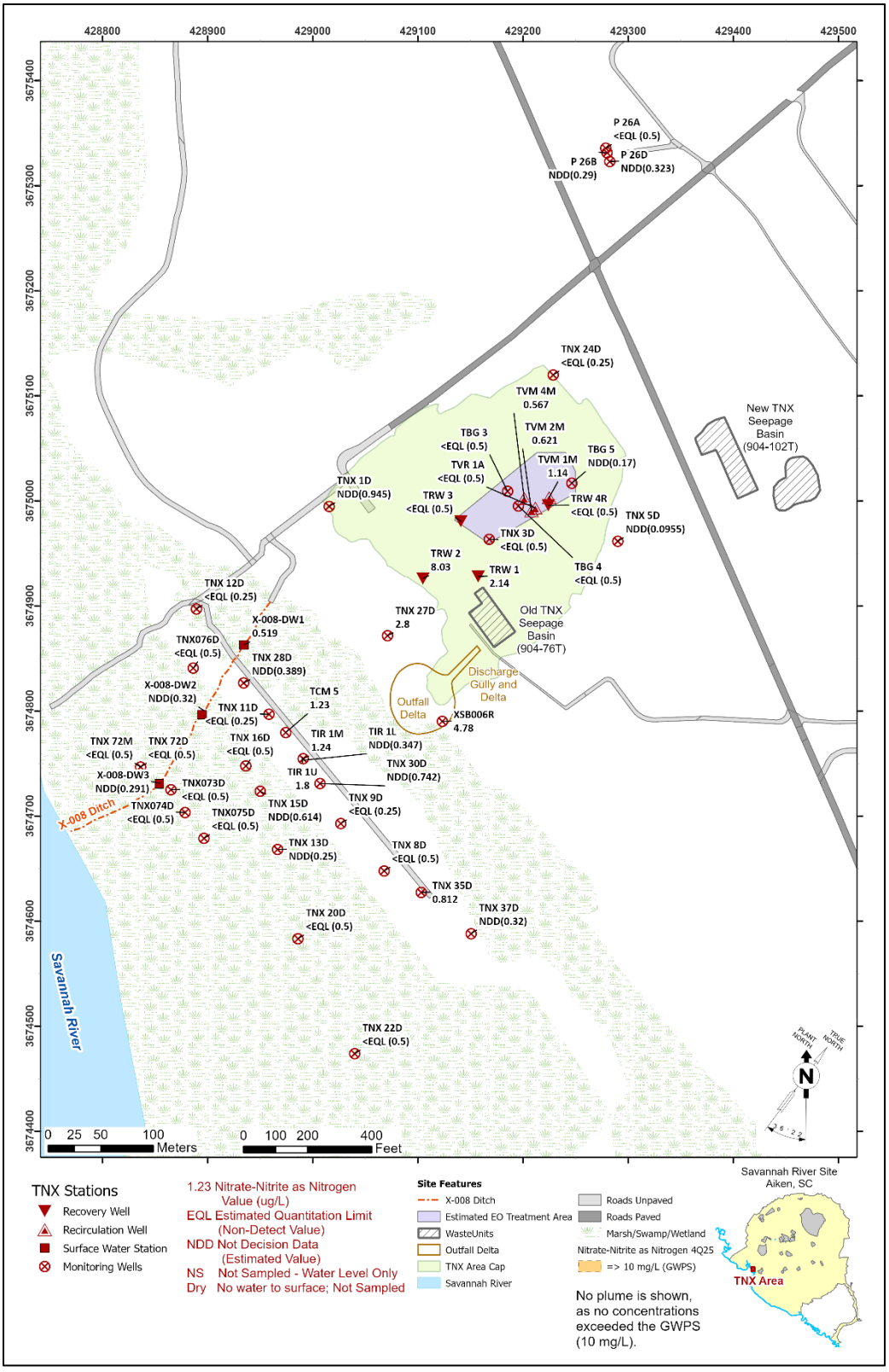

Figure A-25. TNX Area Nitrate-Nitrite as Nitrogen Concentration in Groundwater 4Q2025

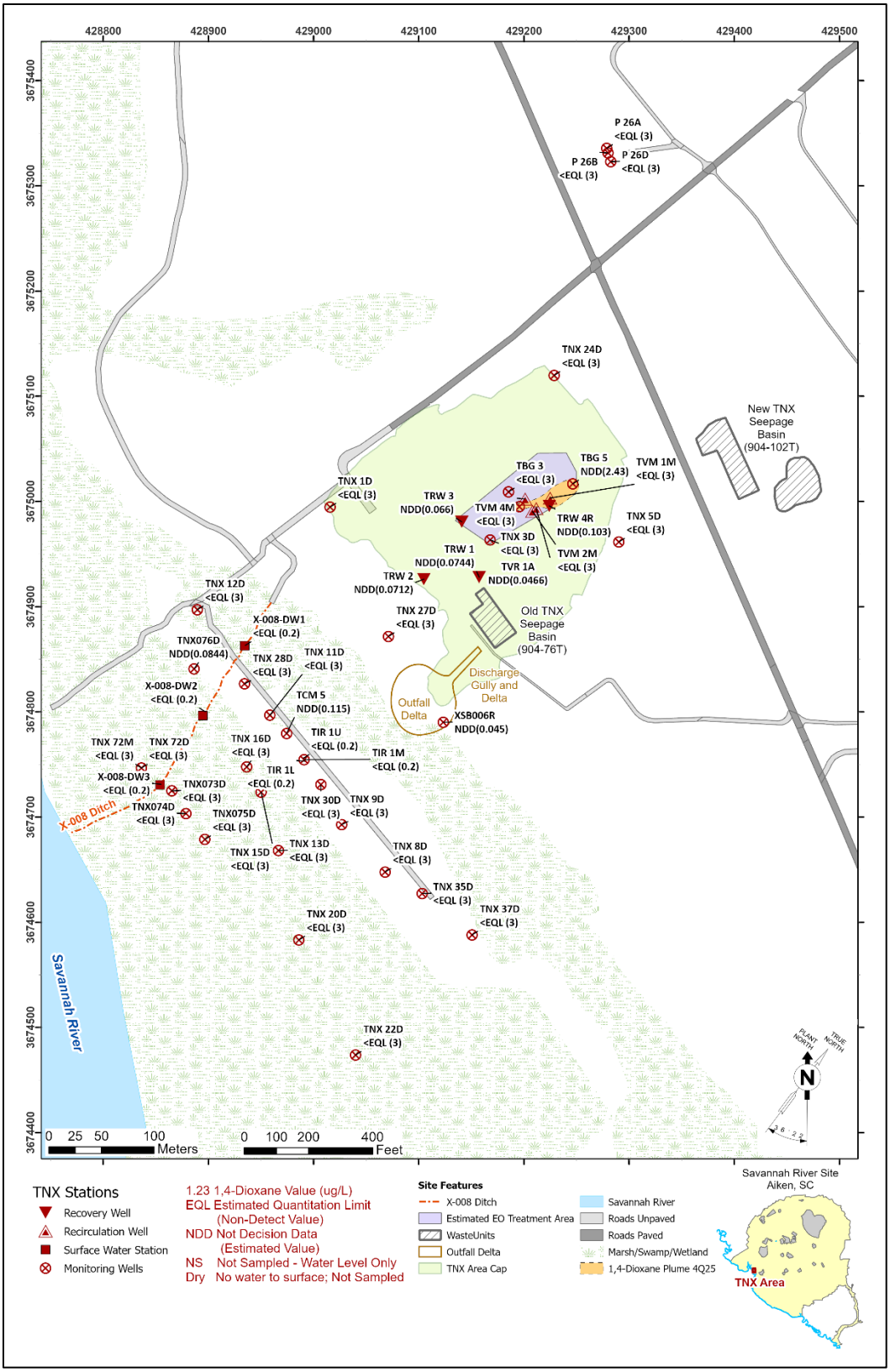

Figure A-26. TNX Area 1,4-Dioxane Concentration in Groundwater, 4Q2025

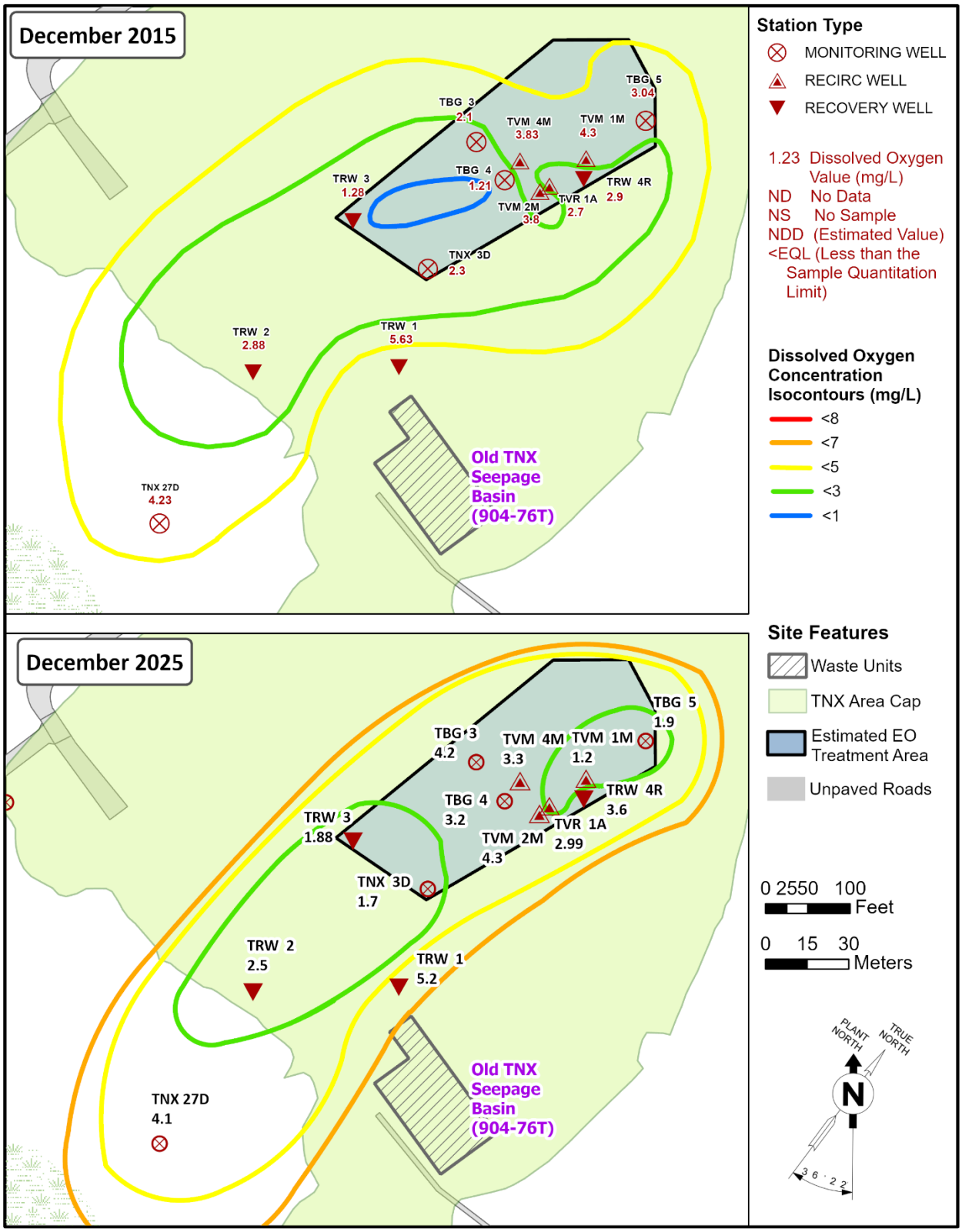

Figure A-27. Comparison of Dissolved Oxygen Concentration in the Treatment Zone in 2015 and 2025

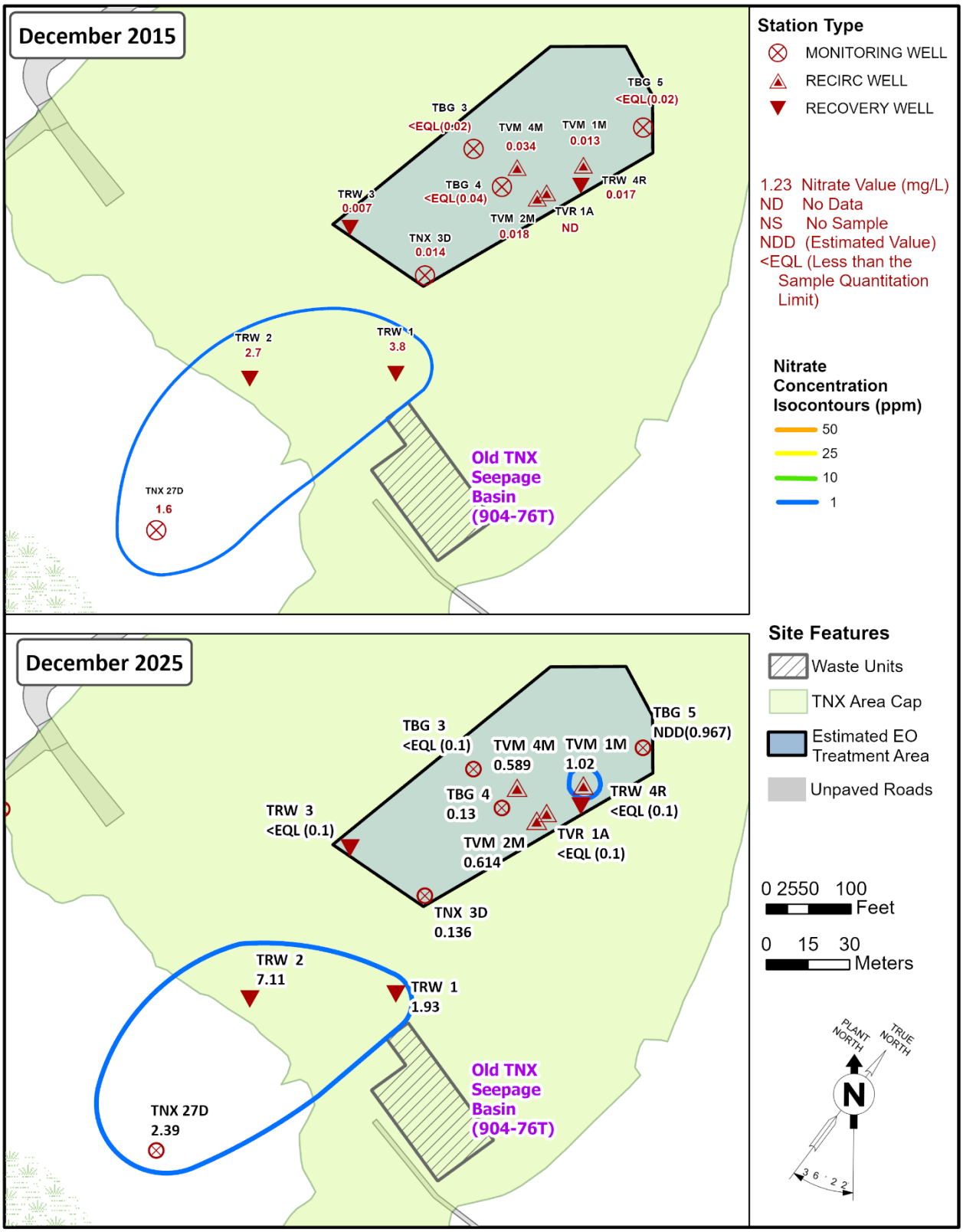

Figure A-28. Comparison of Nitrate Concentration in the Treatment Zone in 2015 and 2025

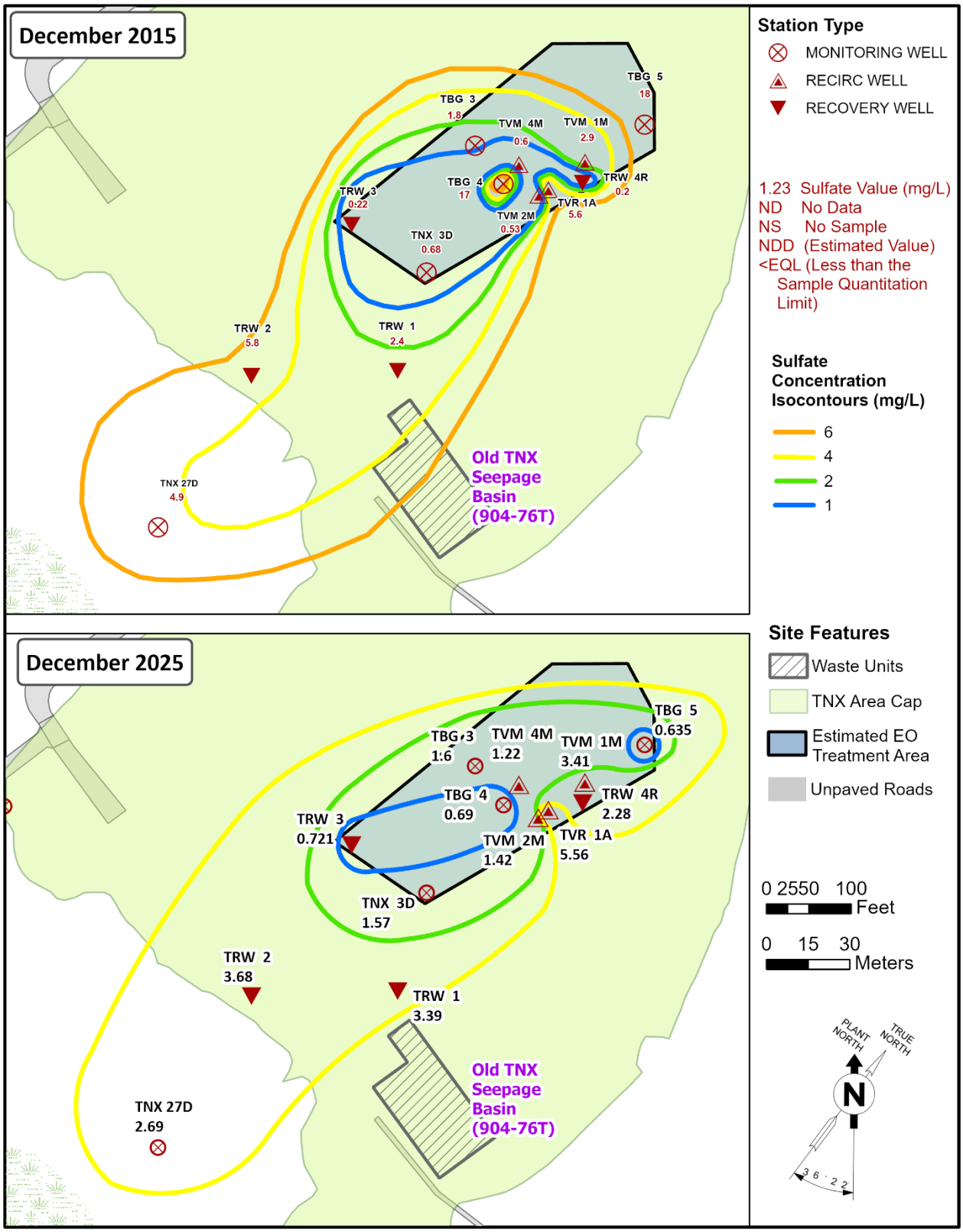

Figure A-29. Comparison of Sulfate Concentration in the Treatment Zone in 2015 and 2025

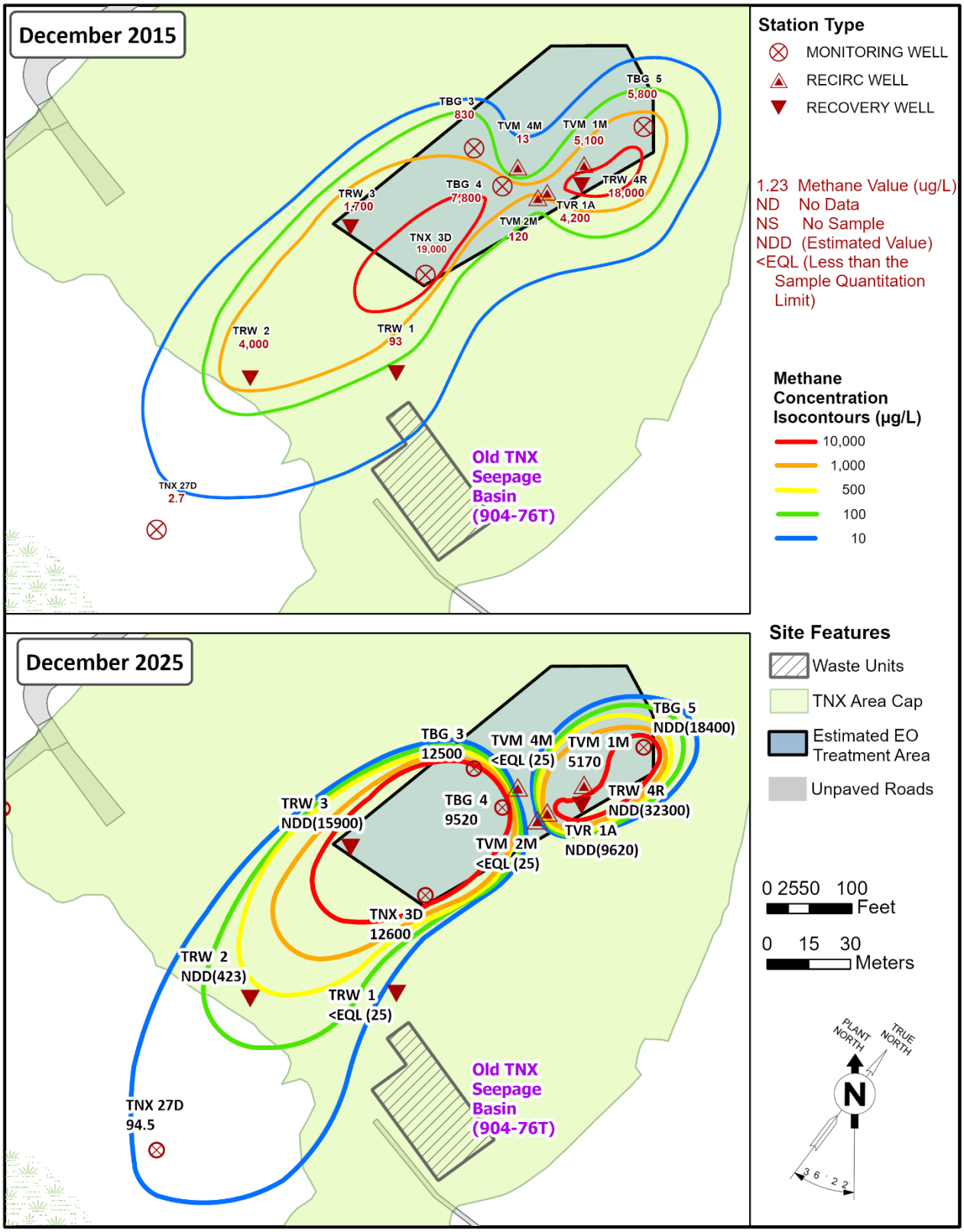

Figure A-30. Comparison of Methane Concentration in the Treatment Zone in 2015 and 2025

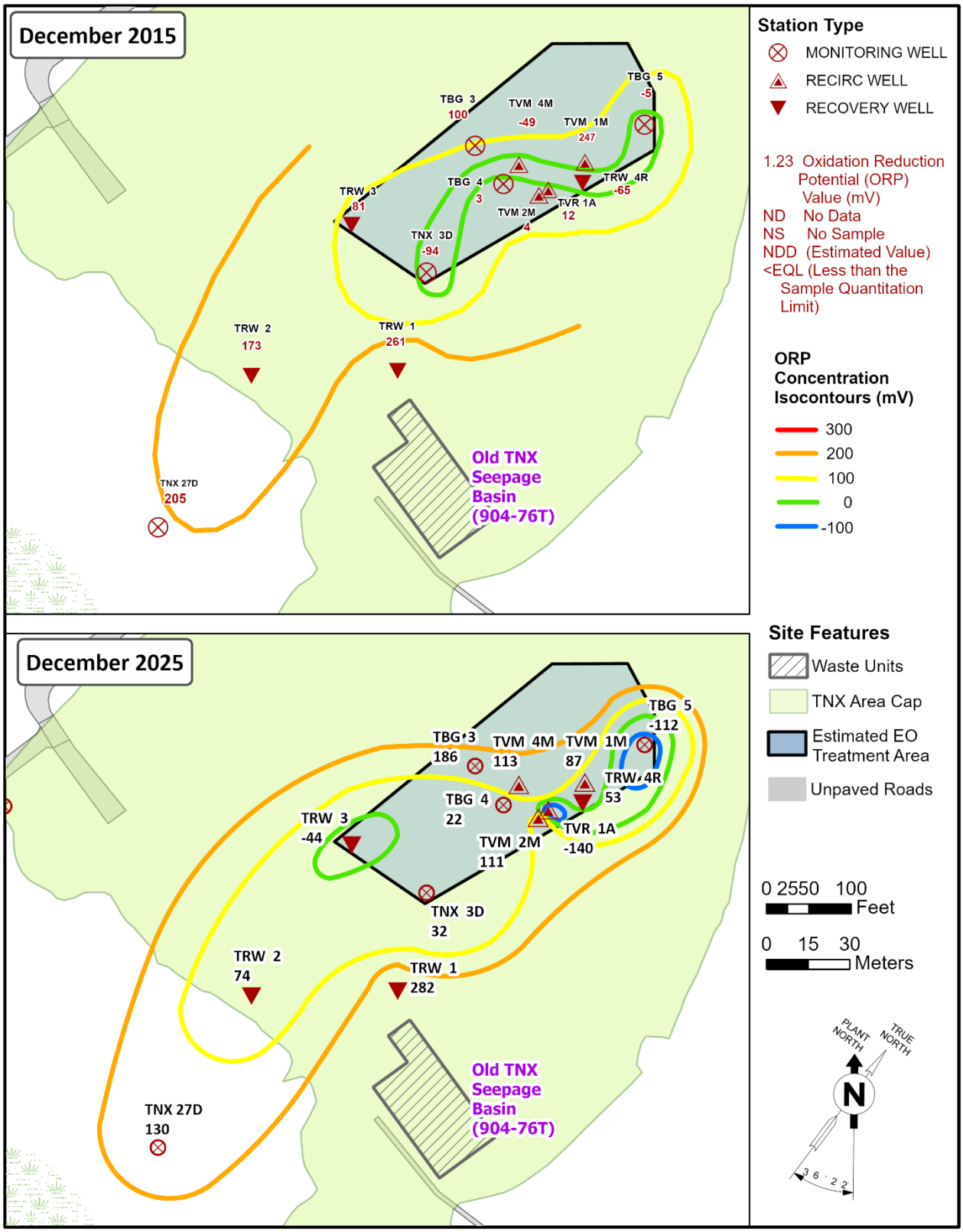

Figure A-31. Comparison of Oxidation Reduction Potential Concentration in the Treatment Zone in 2015 and 2025

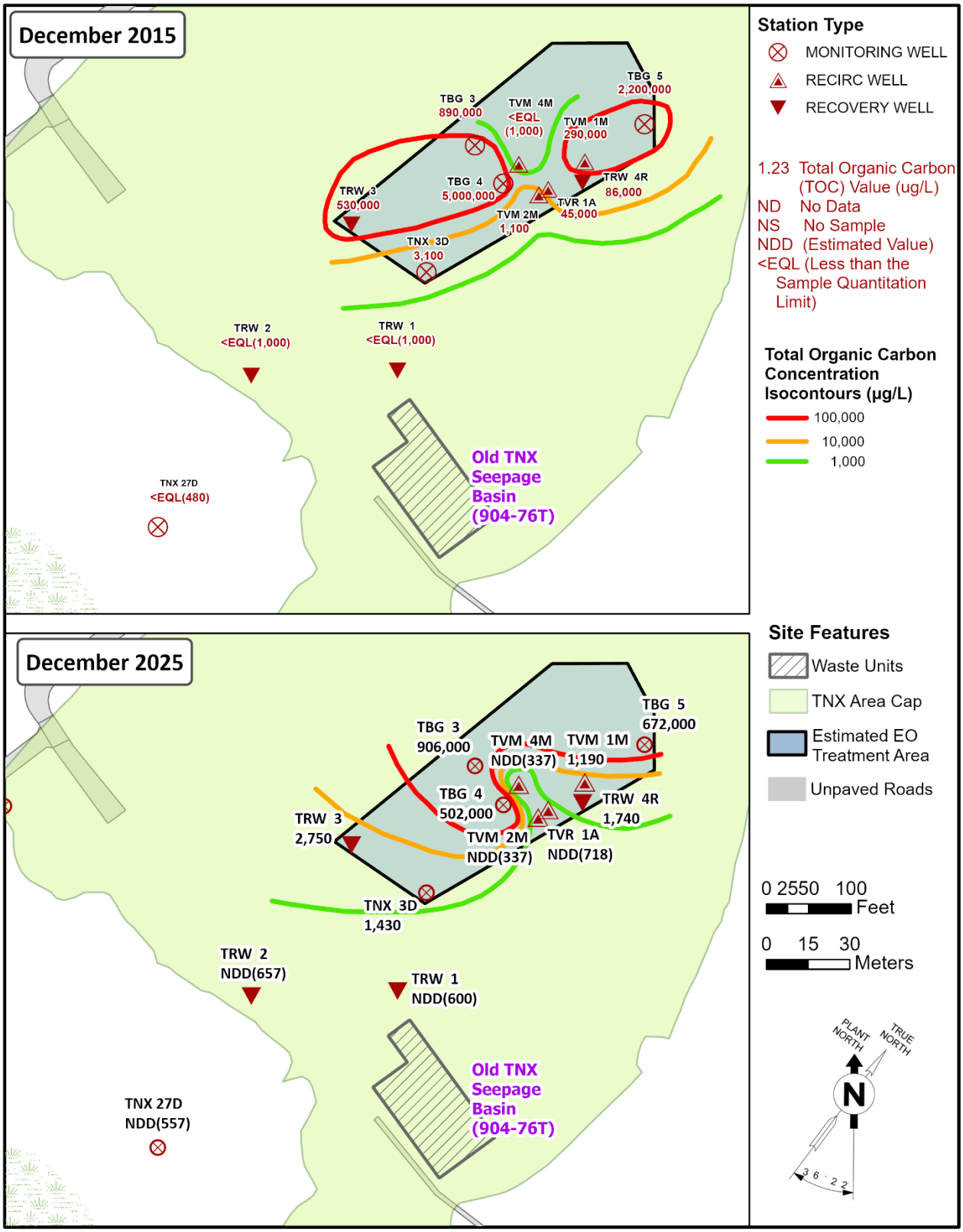

Figure A-32. Comparison of Total Organic Carbon Concentration in the Treatment Zone in 2015 and 2025

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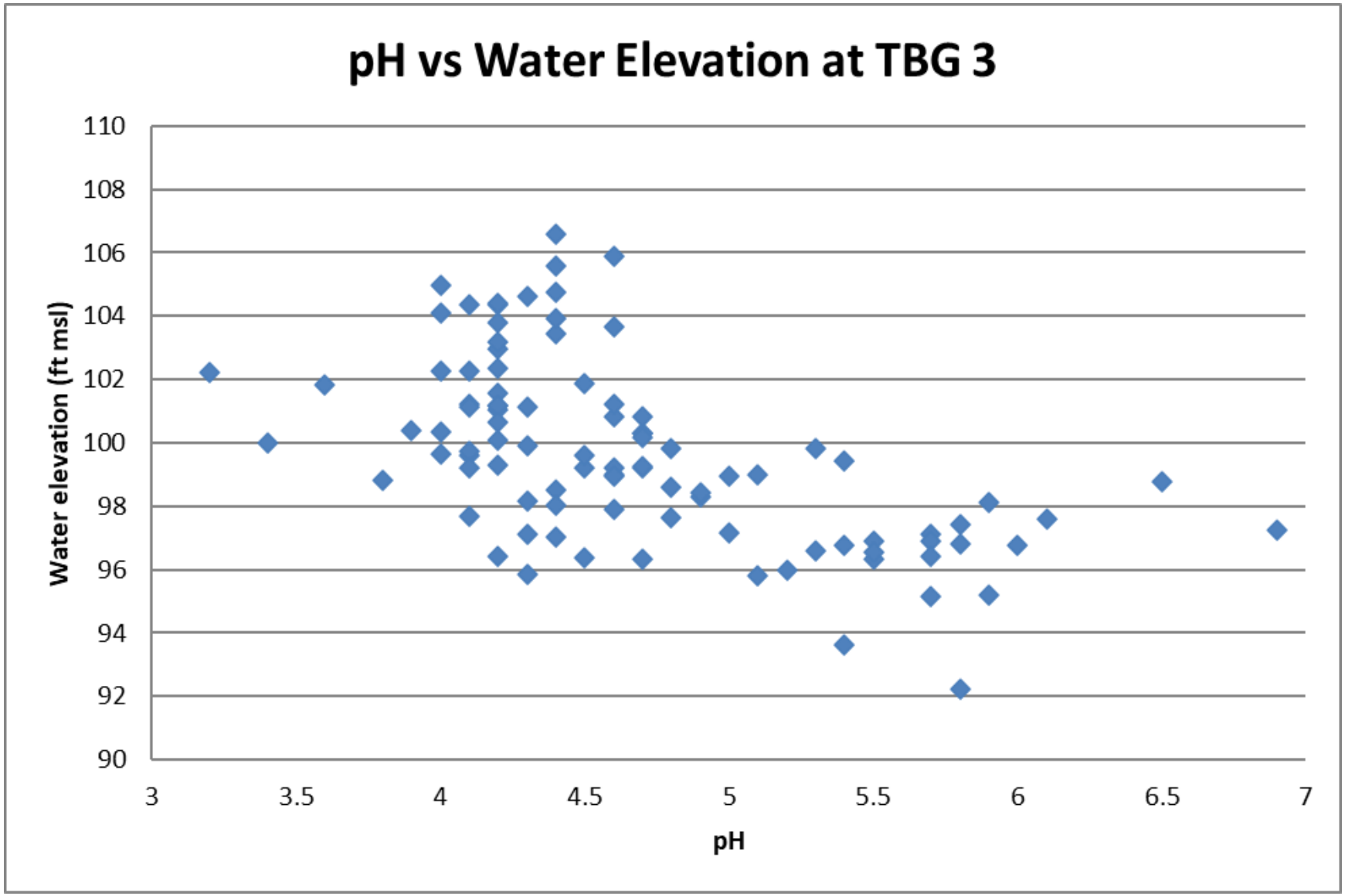

Figure A-33. Graphical Relationship of pH and Water Elevation at TBG 3

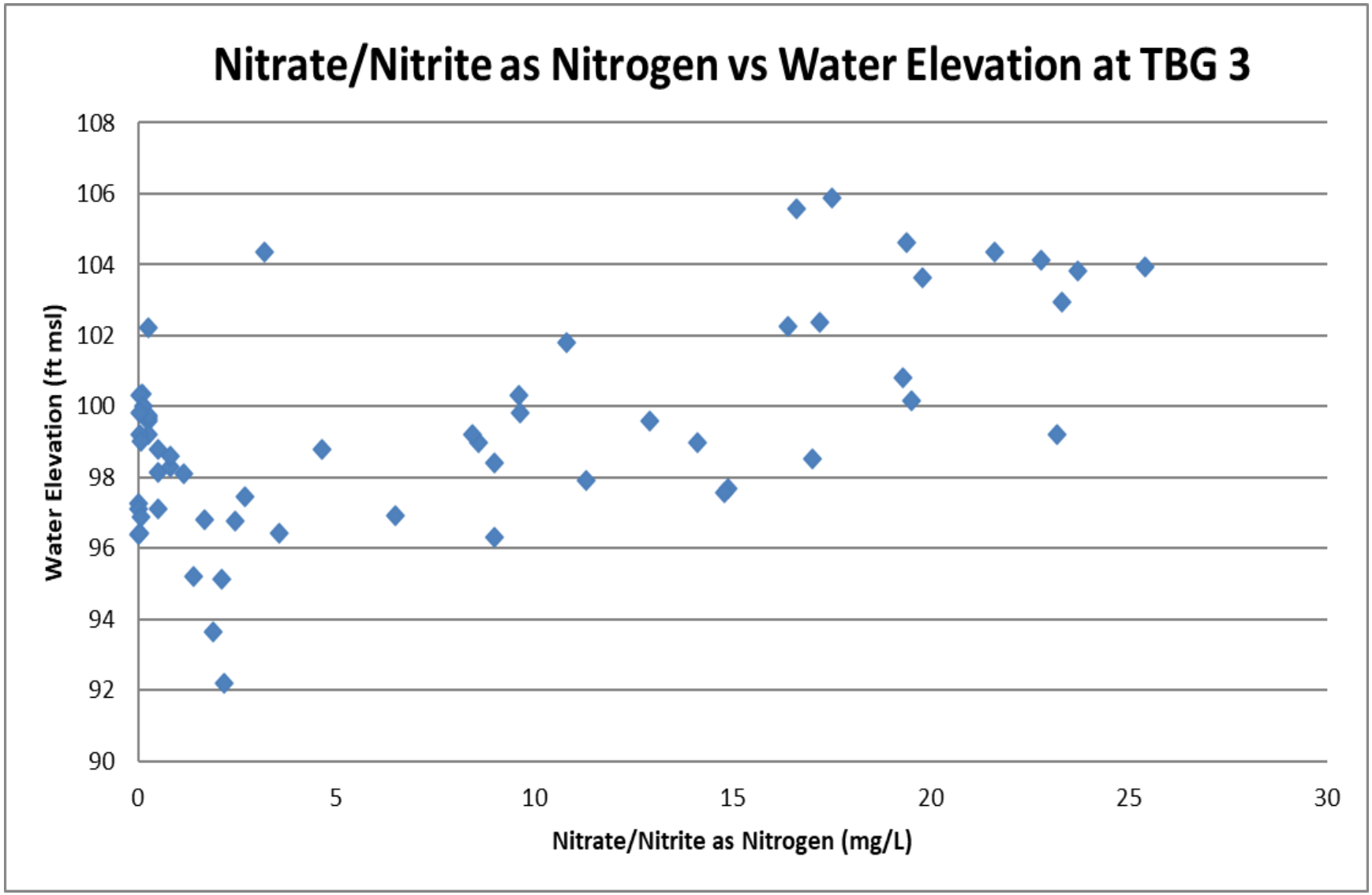

Figure A-34. Graphical Relationship of Nitrate/Nitrite as Nitrogen Concentration and Water Elevation at TBG 3

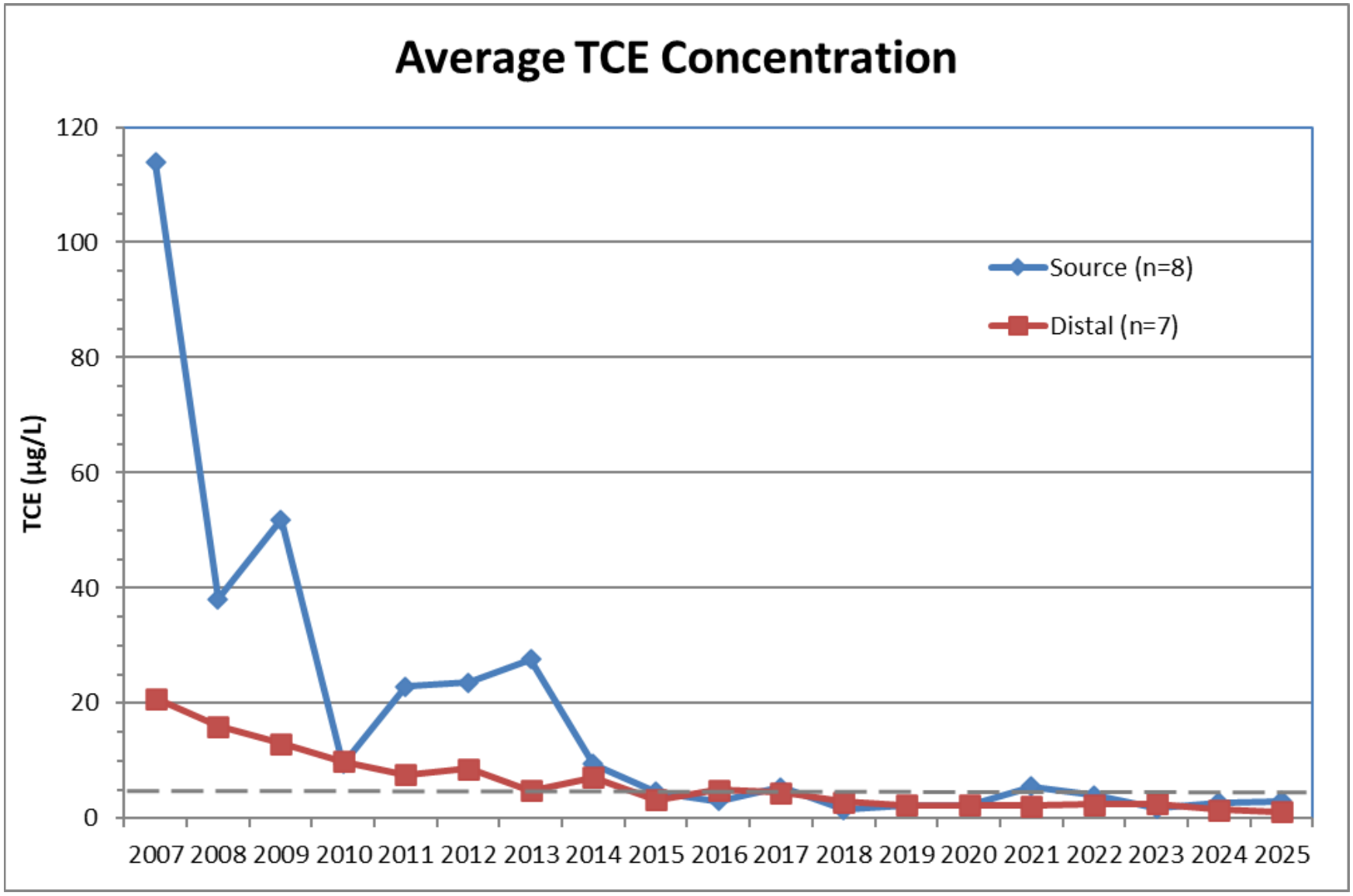

Figure A-35. Average TCE Concentrations of Monitoring Wells in the Treatment Zone and the Distal Plume

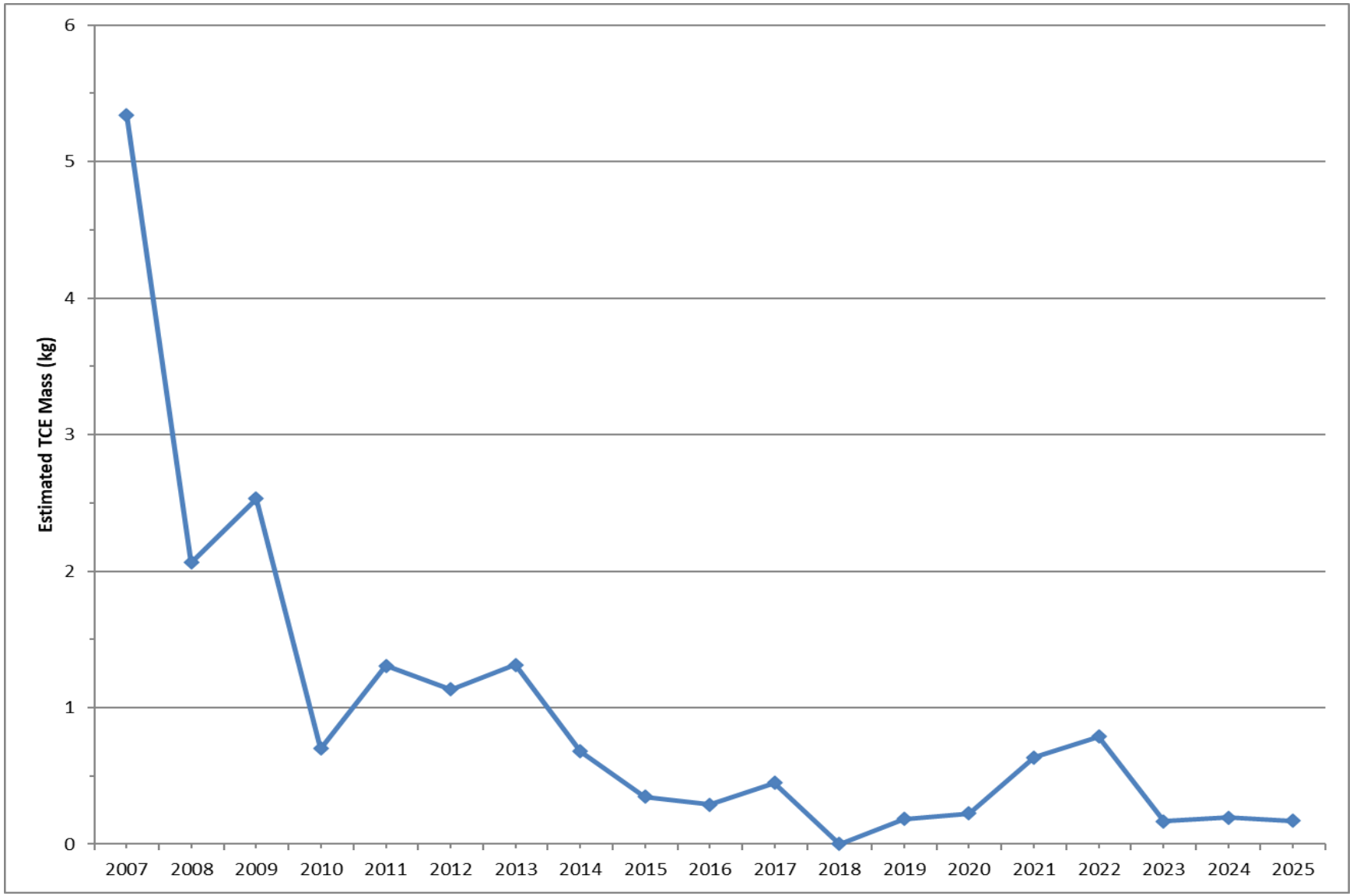

Figure A-36. Estimate of TCE Mass Reduction since Edible Oil Injections

APPENDIX B

GROUNDWATER MONITORING RESULTS (MATRIX TABLES)

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Table B-1. Regular Groundwater Monitoring Results for TNX Area Wells, Second Quarter, 2025

Table B-1. 2Q2025 TNX Annual Groundwater and Monitoring Report			Field Data												Fatty Acid					Hydrocarbons								Inorganics							Organics						Radionuclides					
			SAMPLE COLLECTION DATE	DEPTH TO WATER	SAMPLING EVENT WATER ELEVATION	WATER TEMPERATURE	TURBIDITY	SPECIFIC CONDUCTANCE	TOTAL ALKALINITY (AS CACO3)	pH	OXYGEN	OXIDATION/REDUCTION POTENTIAL	Constituent	FIELD CONDITIONS	ACETIC ACID	BUTYRIC ACID	LACTIC ACID	PROPIONIC ACID	PYRUVIC ACID	BUTANE	CARBON DIOXIDE	ETHANE	ETHYLENE	ISOBUTANE	METHANE	PROPANE	PROPYLENE	IRON	MERCURY	NITRATE	NITRATE-NITRITE AS NITROGEN	SULFATE	TOTAL ORGANIC CARBON	URANIUM	1,4-DIOXANE	CARBON TETRACHLORIDE	CHLOROETHENE (VINYL CHLORIDE)	CIS-1,2-DICHLOROETHYLENE	TETRACHLOROETHYLENE (PCE)	TRICHLOROETHYLENE (TCE)	ADJUSTED GROSS ALPHA	COMBINED RADIUM (226 AND 228)	CONVERTED URANIUM ACTIVITY	GROSS ALPHA	NONVOLATILE BETA	RADIUM 226	RADIUM 228
			day-month-year	ft	ft	degC	NTU	uS/cm	mg/L	pH	mg/L	mV	NTPDWS_Unit		ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
Station	Well Use	Aquifer Zone					15																							10		30		0.46	5	2	70	5	5	15				50		
P 26A	Background Well	Sern-Confined_GAU	13-May-2025	34.8	119.72	19.7	0.8	39	0	5.3	0.9	140		No Comments	NS	NS	NS	NS	NS	NS	[16000]	<EQL (25)	<EQL (25)	NS	<EQL (25)	NS	NS	822	<EQL (0.2)	<EQL (0.1)	<EQL (0.25)	7.96	[377]	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	[0.468]		[0.682]	2.27	[1.07]	<EQL (1.77)
P 26B	Background Well	Unconfined UTRAU/GAU	13-May-2025	47.3	107.2	19.9	5.1	56	30	5.9	3.1	107		No Comments	NS	NS	NS	NS	NS	NS	[27500]	<EQL (25)	<EQL (25)	NS	<EQL (25)	NS	NS	[13.7]	<EQL (0.2)	0.38	0.436	2.17	[544]	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.965]		2.35			2.35	<EQL (1.88)
P 26D	Background Well	Unconfined UTRAU/GAU	13-May-2025	38.7	115.79	20.3	0.5	45	5	5.4	6.4	180		No Comments	NS	NS	NS	NS	NS	NS	[25400]	<EQL (25)	<EQL (25)	NS	<EQL (25)	NS	NS	120	<EQL (0.2)	0.385	0.449	1.46	<EQL (1000)	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.744]	[1.289]		<EQL (0.2)	[0.744]	[1.58]	[0.672]	[0.817]
TRW 1	Recovery Well	Unconfined UTRAU/GAU	14-May-2025	64.9	97.96	21.3	0.8	46	3	5.4	7	92		No Comments	NS	NS	NS	NS	NS	NS	[24400]	<EQL (25)	<EQL (25)	NS	<EQL (25)	NS	NS	<EQL (100)	REJ	1.88	2.2	3.17	<EQL (1000)	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	1.2	[0.664]	[1.55]		<EQL (0.2)	0.664	[1.64]	[0.882]	[0.668]
TRW 2	Recovery Well	Unconfined UTRAU/GAU	14-May-2025	57.3	97.65	22.2	0.9	74	10	5.8	2.7	64		No Comments	NS	NS	NS	NS	NS	NS	[26700]	<EQL (25)	<EQL (25)	NS	37.3	NS	NS	522	[0.574]	2.13	2.42	3.27	<EQL (1000)	<EQL (0.2)	[0.051]	<EQL (1)	<EQL (1)	5.52	<EQL (1)	14	[0.832]	[1.71]		<EQL (0.2)	0.832	1.85	[1.71]	<EQL (1.39)
TRW 3	Recovery Well	Unconfined UTRAU/GAU	14-May-2025	66.9	98.31	22	13.2	175	72	6	4.3	70		No Comments	NS	NS	NS	NS	NS	NS	[131000]	<EQL (25)	<EQL (25)	NS	16900	NS	NS	2720	REJ	<EQL (0.1)	<EQL (0.5)	1.21	422	[0.07]	<EQL (0.2)	<EQL (1)	<EQL (1)	[0.72]	<EQL (1)	<EQL (1)	[0.9631]	[0.954]		[0.0469]	1.07	1.74	[0.954]	<EQL (1.5)
TRW 4R	Recovery Well	Unconfined UTRAU/GAU	14-May-2025	60.2	97.25	21.2	14.7	90	25	5.8	5.1	-3.8		No Comments	NS	NS	NS	NS	NS	NS	[168000]	<EQL (25)	<EQL (25)	NS	15800	NS	NS	1300	REJ	<EQL (0.1)	<EQL (0.5)	3.52	268	<EQL (0.2)	[0.051]	<EQL (1)	<EQL (1)	29.7	<EQL (1)	<EQL (1)	[0.832]	[0.884]		<EQL (0.2)	0.832	2.77	[0.884]	<EQL (1.48)
X-008-DW1	Surface Water		22-May-2025	NS	NS	18.8	30.8	74	27	6.1	0	0		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	0.82	NS	NS	5.77	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.52]	0.9541	[1.077]		3.8659	4.81	[1.25]	[0.427]
X-008-DW2	Surface Water		22-Jul-2025	NS	NS	22.4	13.9	54.8	8	6.6	0	0		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	0.384			9.22	<EQL (0.2)						-1.757	[2.116]		6.1774	4.82	6.87	[1.55]	[0.566]
X-008-DW3	Surface Water		22-Jul-2025	NS	NS	22.6	14.3	59.7	8	6.2	0	0		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	0.492	NS	NS	1.85	[0.0592]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[-0.0815]	[0.883]		0.8375	[1.48]	[2.29]	<EQL (1.22)	<EQL (1.56)
																													<EQL (0.2)		0.49			1.25	<EQL (0.2)						[0.2405]	[0.801]		1.2395	[0.756]	[2.03]	[0.801]	[0.883]
X-008-DW3	Surface Water		22-Jul-2025	NS	NS	22.6	14.3	59.7	8	6.2	0	0		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	1.29	NS	NS	1.14	[0.094]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.2062]	[1.76]		0.7623	[0.97]	[2.05]	[1.76]	<EQL (1.51)
																													<EQL (0.2)					1.82	<EQL (0.2)						0.4904	[1.39]		1.2194	1.7	[2.15]	[1.39]	<EQL (1.55)
TCM 5	TNX Auxiliary	Unconfined UTRAU/GAU	13-May-2025	4.6	95.26	17.7	22.2	72	10	5.6	3.5	151		T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	1.54	NS	NS	13.6	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	1.51	2.685	[1]		9.112	11.8	9.1	[1]	<EQL (1.31)
TIR 1L	TNX Auxiliary	Unconfined UTRAU/GAU	13-May-2025	6.4	95.27	18.5	1.2	58	2	5	4.71	245		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	<EQL (0.25)	NS	NS	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	[0.756]		<EQL (0.2)	<EQL (1.21)	[1.28]	[0.756]	<EQL (1.87)
TIR 1M	TNX Auxiliary	Unconfined UTRAU/GAU	13-May-2025	6.7	94.99	17.5	1.6	48	0	4.8	5.49	288		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	1.44	NS	NS	0.439	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[-0.29413]		1.86	0.29413	<EQL (1.47)	[1.71]	1.86	<EQL (1.17)
TIR 1U	TNX Auxiliary	Unconfined UTRAU/GAU	13-May-2025	6.5	95.1	18.1	2.1	53	0	4.8	5.5	287		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	1.77	NS	NS	6.13	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.91]	3.7220	1.3		4.1077	7.85	7.76	1.3	<EQL (1.28)
TNX 13D	TNX Auxiliary	Unconfined UTRAU/GAU	13-May-2025	6.1	92.49	18	8.5	84	33	5.6	2.78	101		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	[0.153]	NS	NS	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	[1.969]		<EQL (0.2)	<EQL (1.31)	[1.38]	[0.609]	[1.36]
TNX 15D	TNX Auxiliary	Unconfined UTRAU/GAU	13-May-2025	6.4	92.53	18.1	3.4	53	0	4.8	2.99	165		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	0.875	NS	NS	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	0.709		<EQL (0.2)	<EQL (0.94)	[1.5]	0.709	<EQL (1.74)
TNX 20D	TNX Auxiliary	Unconfined UTRAU/GAU	13-May-2025	5.7	91.48	17.8	5.1	71	31	5.8	2.96	228		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	[0.103]	NS	NS	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.075]	[0.438]		<EQL (0.2)	<EQL (0.886)	<EQL (2.06)	[0.438]	<EQL (1.81)
TNX 22D	TNX Auxiliary	Unconfined UTRAU/GAU	13-May-2025	6.8	90.74	17.4	2.9	87	39	5.8	3.25	89		T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	<EQL (0.25)	NS	NS	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.738]		1.59	<EQL (0.2)	[0.738]	[1.88]	1.59	<EQL (1.57)
TNX 28D	TNX Auxiliary	Unconfined UTRAU/GAU	13-May-2025	6.4	93.4	19.1	12.6	60	12	6.3	4.4	75		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	4.17	NS	NS	6.53	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.91]	[0.7483]	[2.42]		4.3667	[5.11]		4.65	[0.49]	[1.93]
TNX 30D	TNX Auxiliary	Unconfined UTRAU/GAU	13-May-2025	7.8	95.25	18.3	26.6	88	3	5.1	3.8	198		T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	<EQL (0.25)	NS	NS	2.34	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[1.4022]		1.19	1.5672	[2.97]		4.46	1.19	<EQL (1.58)
TNX 35D	TNX Auxiliary	Unconfined UTRAU/GAU	13-May-2025	6.3	93.59	19.3	27.2	40	35	6.5	3.38	220		T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	3.62	NS	NS	0.795	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[11.16668]	[2.282]		0.53333	[11.7]		11.9	[0.542]	[1.74]
TNX 37D	TNX Auxiliary	Unconfined UTRAU/GAU	14-May-2025	7.3	93.36	17.5	9	58	28	5.7	3.03	168		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	REJ	NS	2.8	NS	NS	1.27	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.52]	0.6893	[0.692]		0.8307	1.5	3.49	[0.692]	<EQL (1.32)
TNX 72D	TNX Auxiliary	Unconfined UTRAU/GAU	23-Jul-2025	10.3	85.82	19.3	9.1	131.8	10	5.7	2.61	20		T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	<EQL (0.25)	NS	NS	[0.071]	[0.0452]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[-0.04757]	<EQL (0.389)	[0.04757]	[1.49]		<EQL (4.32)	<EQL (1.13)	<EQL (1.79)
																													<EQL (0.25)						<EQL (0.2)									<EQL (2.29)	<EQL (4.38)		
TNX 72M	TNX Auxiliary	Unconfined UTRAU/GAU	23-Jul-2025	8.6	87.37	20.4	16.6	148.7	14	5.8	0.74	-8		T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	[0.0925]	NS	NS	[0.073]	[0.0478]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[1.58109]	[0.927]		[0.04891]	1.63	2.57	[0.927]	<EQL (1.49)
TNX 72S	TNX Auxiliary	Unconfined UTRAU/GAU	22-Jul-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS		D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX073D	TNX Auxiliary	Unconfined UTRAU/GAU	23-Jul-2025	11.3	88.79	20.6	13.8	91.5	12	5.3	3.16	124		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	0.595	NS	NS	<EQL (0.2)	[0.065]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.647]	[1.204]		<EQL (0.2)	[0.647]	1.82	[0.489]	[0.715]
TNX074D	TNX Auxiliary	Unconfined UTRAU/GAU	23-Jul-2025	10.0	88.36	24.9	35.5	101.3	13	6.6	2.69	72		X	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	0.695	NS	NS	[0.147]	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[1.37151]	<EQL (0.538)	[0.09849]		1.47	2.47	<EQL (0.919)	<EQL (1.6)
TNX075D	TNX Auxiliary	Unconfined UTRAU/GAU	23-Jul-2025	10.0	87.02	19.6	20.1	80.4	13	5.7	3.21	137		T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	<EQL (0.25)	NS	NS	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.671]	<EQL (0.352)	<EQL (0.2)	[0.671]	[1.18]	<EQL (1.25)	<EQL (1.34)
																													<EQL (0.2)						<EQL (0.2)										<EQL (1.22)	
TNX076D	TNX Auxiliary	Unconfined UTRAU/GAU	14-May-2025	6.7	93.11	19.4	14	69	18	5.7	2.2	25		No Comment	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	REJ	NS	<EQL (0.5)	NS	NS	0.895	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[-0.1357]	<EQL (0.352)		0.59965	[0.464]		1.65	<EQL (0.919)	<EQL (1.6)
TVM 1M	TNX Auxiliary	Unconfined UTRAU/GAU	14-May-2025	61.9	97.82	21	5.1	109	57	5.6	3.11	-110		No Comments	NS	NS	NS	NS	NS	NS	[57400]	<EQL (25)	<EQL (25)	NS	7330	NS	NS	8110	REJ	1.19	1.44	3.88	1560	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	43.2	<EQL (1)	210	[0.663]	[1.26]		<EQL (0.2)	[0.663]	2.39	[1.26]	<EQL (1.49)
TVM 2M	TNX Auxiliary	Unconfined UTRAU/GAU	14-May-2025	63.0	98.91	21.2	5.2	30	11	5	5.37	194		No Comments	NS	NS	NS	NS	NS	NS	[32900]	<EQL (25)	<EQL (25)	NS	<EQL (25)	NS	NS	109	REJ	0.549	0.805	1.12	<EQL (1000)	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.58]	[1.23]		<EQL (0.2)	[0.58]	[0.906]	[1.23]	<EQL (1.3)
TVM 4M	TNX Auxiliary	Unconfined UTRAU/GAU	14-May-2025	62.7	98.68	21.3	2.1	30	12	5.4	4.23	246		No Comments	NS	NS	NS	NS	NS	NS	[8580]	<EQL (25)	<EQL (25)	NS	<EQL (25)	NS	NS	<EQL (100)	REJ	0.635	0.855	0.899	<EQL (1000)	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[1.7]	[2.662]		<EQL (0.2)	1.7	5.68	[1.81]	<EQL (0.852)
TVR 1A	TNX Auxiliary	Unconfined UTRAU/GAU	14-May-2025	61.3	88.83	21.4	2	42	25	5.7	4.16	-36		No Comments	NS	NS	NS	NS	NS	NS	[20100]	<EQL (25)	<EQL (25)	NS	2440	NS	NS	1410	REJ	<EQL (0.1)	<EQL (0.5)	8.43	<EQL (1000)	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.395]	[1.506]		<EQL (0.2)	[0.395]	4.7	[0.784]	[0.722]
																													<EQL (0.1)		8.47				<EQL (0.2)												
XSB006R	TNX Auxiliary	Unconfined UTRAU/GAU	22-May-2025	6.8	95.24	18.7	2.7	54	11	5.4	4.72	193		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	1.8	NS	NS	3.19	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.5]	0.8527	[2.31]		2.1377	2.99	3.47	[2.31]	<EQL (1)
																															1.65				<EQL (0.2)												[1.97]	<EQL (1.16)
TBG 3	TNX Primary	Unconfined UTRAU/GAU	13-May-2025	61.7	99.61	21.8	12.8	263	0	4.8	1.3	164		No Comments	NS	NS	NS	NS	NS	NS	REJ	<EQL (25)	<EQL (25)	NS	13200	NS	NS	28500	[0.669]	[0.0711]	<EQL (0.25)	1.6	643000	<EQL (0.2)	[0.051]	<EQL (1)	<EQL (1)	<EQL (1)	[1.54]	<EQL (1)	[2.72]	-4.222	[1.827]			9.916	5.69	10.3	0.987	[0.84]
																																			<EQL (0.2)												REJ	
TBG 4	TNX Primary	Unconfined UTRAU/GAU	13-May-2025	60.6	101.98	23.7	13.3	1988	819	6.3	0.6	-125		No Comments	NS	NS	NS	NS	NS	NS	[899000]	<EQL (25)	<EQL (25)	NS	18700	NS	NS	127000	[0.162]	<EQL (0.4)	<EQL (0.25)	0.882	772000	0.539	<EQL (0.2)	<EQL (1)	[0.72]	15	<EQL (1)	1.33	[3.50887]	[2.57]		0.36113	[3.87]		9.67	1.33	[1.22]
																																			<EQL (0.4)													
TBG 5	TNX Primary	Unconfined UTRAU/GAU	14-May-2025	55.2	102.52	22.3	14.9	1121	548	6.3	0.7	-75		No Comments	NS	NS	NS	NS	NS	NS	[276000]	<EQL (25)	<EQL (25)	NS	15000	NS	NS	124000	[0.141]	[0.719]	<EQL (0.5)	0.616	336000	<EQL (0.2)	[2.3]	<EQL (1)	[0.97]	49.8	<EQL (1)	<EQL (1)	[4.23]		3.44	<EQL (0.2)	5.23	19.4	3.44	<EQL (1.53)
																													<EQL (0.5)						[2.1]									4.23	15.5	2.45	<EQL (1.43)
TNX 3D	TNX Primary	Unconfined UTRAU/GAU	13-May-2025	67.3	98.38	21.5	9.3	117	11	6	1.5	-94		No Comments	NS	NS	NS	NS	NS	NS	[57300]	<EQL (25)	<EQL (25)	NS	14900	NS	NS	20300	<EQL (0.2)	[0.0936]	<EQL (0.25)	1.26	190000	<EQL (0.2)	[0.0482]	<EQL (1)	<EQL (1)	[1.93]	<EQL (1)	[0.36]	<EQL (0)	[2.36]		<EQL (0.2)	<EQL (1.4)	<EQL (1.82)	[1.22]	[1.14]
																													[0.0917]	<EQL (0.25)		1.2			<EQL (0.2)													
TNX 8D	TNX Primary	Unconfined UTRAU/GAU	13-May-2025	5.2	95.29	18.9	7.7	45	7	6	1.5	102		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	<EQL (0.25)	NS	NS	0.227	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.69126]	[0.958]		0.14874	[0.84]	[2.15]	[0.311]	[0.647]
																													<EQL (0.2)						<EQL (0.2)													
TNX 11D	TNX Primary	Unconfined UTRAU/GAU	13-May-2025	6.8	93.48	20.5	13.5	45	8	5.7	4.27	112		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	<EQL (0.25)	NS	NS	[0.078]	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[1.36774]	[0.447]		[0.05226]	[1.42]	2.25	[0.447]	<EQL (1.18)
																													<EQL (0.2)						<EQL (0.2)													
TNX 16D	TNX Primary	Unconfined UTRAU/GAU	13-May-2025	8.0	91.92	18.1	2.3	63	0	4.8	3.25	147		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	<EQL (0.25)	NS	NS	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.4]	[0.436]	[3.19]		<EQL (0.2)	[0.436]	1.14	1.08	[2.11]
																													<EQL (0.2)						<EQL (0.2)										<EQL (1.26)	[1.07]		<EQL (1.56)
TNX 27D	TNX Primary	Unconfined UTRAU/GAU	12-Jun-2025	14.4	96.25	20	10.8	60	9	5.9	2.17	162		No Comments	NS	NS	NS	NS	NS	NS	31000	<EQL (25)	<EQL (25)	NS	63.5	NS	NS	1220	<EQL (0.2)	2.02	2.93	2.83	1310	[0.196]	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.67668]	[1.193]		[0.13132]	0.802	8.57	[0.378]	[0.815]
																			[31000]	<EQL (25)	<EQL (25)		62.6				<EQL (0.2)	2.03		2.81	1310		<EQL (0.2)															<EQL (1.55)
TNX 1D	TNX Secondary	Unconfined UTRAU/GAU	13-May-2025	59.5	97.18	20.8	1.6	52	4	5.6	6.2	96		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	1.1	NS	NS	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	<EQL (0.146)		<EQL (0.2)	<EQL (0.999)	[1.75]	<EQL (0.599)	<EQL (1.81)
																													<EQL (0.2)																		
TNX 5D	TNX Secondary	Unconfined UTRAU/GAU	13-May-2025	47.2	102.26	21.7	4.5	71	4	5.3	4	76		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	0.57	NS	NS	[0.088]	[0.0536]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[2.52104]	[3.94]		[0.05896]	2.58	2.66	2.94	[1.08]
																													<EQL (0.2)																	2.86	
TNX 9D	TNX Secondary	Unconfined UTRAU/GAU	13-May-2025	6.8	95.13	18.6	5.1	94	5	5.3	6.2	4		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	<EQL (0.25)	NS	NS	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.802]	[2.95]		<EQL (0.2)	[0.802]	3.15	1.03	[1.92]
																													<EQL (0.2)																		
TNX 12D	TNX Secondary	Unconfined UTRAU/GAU	13-May-2025	4.8	94.57	18.9	63.3	75	23	6.3	6.86	16		T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	[0.084]	NS	<EQL (0.25)	NS	NS	[0.153]	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[1.99749]	1.74	[0.10251]	2.1	2.58	1.74	<EQL (1.37)
																													<EQL (0.2)																		
TNX 24D	TNX Secondary	Unconfined UTRAU/GAU	13-May-2025	32.9	110.38	20.7	5.4	64	15	5.7	4.27	164		No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<EQL (0.2)	NS	[0.101]	NS	NS	0.527	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.85959]	2.78		0.35041	[0.21]		10.1	2.78	<EQL (1.49)
																													<EQL (0.2)																		

Explanation

[##]	EPA Functional Guideline Code of 'J' was applied to the result, indicating an estimated quantity.
<EQL(##)	Constituent was below detection. The sample-specific Estimated Quantitation Limit is in parentheses.
	Result exceeds applicable limit.
REJ	Result Rejected.
	Result is less than the applicable limit and without EPA Functional Guidline qualifiers.
NS	Requested to be sampled but was not. See comments as to why

Table B-2. Field Duplicate Groundwater Monitoring Results for TNX Area Wells, Second Quarter, 2025

Table B-2. 2Q2025 TNX Annual Groundwater and Monitoring Report			Field Data															Fatty Acid					Hydrocarbons										Inorganics								Organics						Radionuclides						
			SAMPLE COLLECTION DATE	DEPTH TO WATER	SAMPLING EVENT WATER ELEVATION	WATER TEMPERATURE	TURBIDITY	SPECIFIC CONDUCTANCE	PHENOLPHTHALEIN ALKALINITY (AS CACO3)	TOTAL ALKALINITY (AS CACO3)	VOLUME PURGED	PH	OXYGEN	OXIDATION/REDUCTION POTENTIAL	Constituent	FIELD CONDITIONS	ACETIC ACID	BUTYRIC ACID	LACTIC ACID	PROPIONIC ACID	PYRUVIC ACID	BUTANE	CARBON DIOXIDE	ETHANE	ETHYLENE	ISOBUTANE	METHANE	NITROGEN	PROPANE	PROPYLENE	CONVERTED URANIUM MASS	IRON	MERCURY	NITRATE	NITRATE-NITRITE AS NITROGEN	SULFATE	TOTAL ORGANIC CARBON	URANIUM	1,4-DIOXANE	CARBON TETRACHLORIDE	CHLOROETHENE (VINYL CHLORIDE)	CIS-1,2-DICHLOROETHYLENE	TETRACHLOROETHYLENE (PCE)	TRICHLOROETHYLENE (TCE)	ADJUSTED GROSS ALPHA	COMBINED RADIUM (226 AND 228)	CONVERTED URANIUM ACTIVITY	GROSS ALPHA	NONVOLATILE BETA	RADIUM-226	RADIUM-228
			day-month-year	ft	ft	degC	NTU	uS/cm	mg/L	mg/L	gal	pH	mg/L	mV		Unit		ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
Station	Well Use	Aquifer Zone					15									NPDWS																30							30	0.46	5	2	70	5	5	15	5			50		
P 26B	Background Well	Unconfined UTRA/GAU	13-May-2025	47.3	107.2	19.9	5.1	56	0	30	NA	5.9	3.1	107		No Comments	NA	NA	NA	NA	NA	NA	[28100]	<EQL (25)	<EQL (25)	NA	<EQL (25)	NA	NA	NA	NA	[87]	<EQL (0.2)	0.37	0.419	2.1	[500]	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.954]	1.5	<EQL (0.2)	[0.954]	[1.72]	1.5	<EQL (1.28)
																																						<EQL (0.2)												
X-008-DW2	Surface Water		22-Jul-2025	NA	NA	22.4	13.9	54.8	0	9	NA	6.6	0	0		No Comments	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<EQL (0.2)	NA	NA	NA	1.1	NA	NA	NA	NA	NA	NA	[0.5463]	[1.14]	0.743	[1.29]	[1.85]	<EQL (1.27)	[1.14]
TNX073D	TNX Auxiliary	Unconfined UTRA/GAU	23-Jul-2025	11.3	88.79	20.6	13.8	91.5	0	12	NA	5.3	3.16	124		No Comments	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<EQL (0.2)	NA	NA	NA	0.47	NA	NA	0.206	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	3.7719	[0.664]	0.13802	3.9	5.9	[0.664]	<EQL (1.65)
																																						<EQL (0.2)												
TNX 1D	TNX Secondary	Unconfined UTRA/GAU	13-May-2025	59.5	97.18	20.8	1.6	52	0	4	NA	5.6	6.2	90		No Comments	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<EQL (0.2)	NA	NA	NA	1.09	NA	NA	<EQL (0.2)	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	[0.669]	<EQL (0.2)	<EQL (1.01)	5*	[0.669]	<EQL (1.78)
																																						<EQL (0.2)												

Explanation

[qual]	EPA Functional Guideline Code of 'J' was applied to the result, indicating an estimated quantity.
<EQL(##)	Constituent was below detection. The sample-specific Estimated Quantitation Limit is in parentheses.
	Result exceeds applicable limit.
REJ	Result Rejected.
	Result is less than the applicable limit and without EPA Functional Guidline qualifiers.
NS	Requested to be sampled but was not. See comments as to why not.
Blue Text	Not a required sample analysis.

Table B-3. Regular Groundwater Monitoring Results for TNX Area Wells, Fourth Quarter, 2025

Table B-3. 4Q2025 TNX Annual Groundwater and Monitoring Report

Field Data

Station	Well Use	Aquifer Zone	SAMPLE COLLECTION DATE (day-month-year)	DEPTH TO WATER (ft)	SAMPLING EVENT WATER ELEVATION (ft)	WATER TEMPERATURE (degC)	TURBIDITY (NTU)	SPECIFIC CONDUCTANCE (uS/cm)	TOTAL ALKALINITY (AS CACO3) (mg/L)	PH (pH)	OXYGEN (mg/L)	OXIDATION/REDUCTION POTENTIAL (mV)	Constituent	FIELD CONDITIONS
							15			5			NPDWS Unit	
P 26A	Background Well	Semi-Confined GAU	09-Dec-2025	38.3	116.22	19.5	1	40	6	6.1	3.1	91		No Comments
P 26B	Background Well	Unconfined UTRAU/GAU	09-Dec-2025	49.0	105.5	19.7	5.2	56	9	6.3	3.2	96		No Comments
P 26D	Background Well	Unconfined UTRAU/GAU	09-Dec-2025	40.6	113.9	19.7	1.2	43	6	6	3.4	124		No Comments
TRW 1	Recovery Well	Unconfined UTRAU/GAU	11-Dec-2025	65.8	97.04	20.4	0.3	48	0	5	5.2	282		No Comments
TRW 2	Recovery Well	Unconfined UTRAU/GAU	11-Dec-2025	57.0	97.95	21.7	3	120.2	21	6.1	2.5	74		No Comments
TRW 3	Recovery Well	Unconfined UTRAU/GAU	11-Dec-2025	67.0	98.17	21.4	7.5	124	4	5.8	1.88	-44		No Comments
TRW 4R	Recovery Well	Unconfined UTRAU/GAU	11-Dec-2025	61.3	96.15	21.3	40.1	173	63	6.1	3.6	53		T
X-008-DW1	Surface Water		10-Dec-2025	NS	NS	9.6	39.6	123.2	12	6.4	1.96	120		No Comments
X-008-DW2	Surface Water		10-Dec-2025	NS	NS	10.3	10.7	134.9	14	6	2.1	138		No Comments
X-008-DW3	Surface Water		10-Dec-2025	NS	NS	10.5	15.9	140.6	10	6.2	2.06	143		No Comments
TCM 5	TNX Auxiliary	Unconfined UTRAU/GAU	11-Dec-2025	6.6	93.28	18	21.6	84	6	5.5	1.6	183		T
TIR 1L	TNX Auxiliary	Unconfined UTRAU/GAU	10-Dec-2025	8.7	93.02	18.6	2.1	51	4	5.7	2.1	205		No Comments
TIR 1M	TNX Auxiliary	Unconfined UTRAU/GAU	10-Dec-2025	8.7	92.96	18.4	1	48	3	5.5	3.9	214		No Comments
TIR 1U	TNX Auxiliary	Unconfined UTRAU/GAU	10-Dec-2025	8.9	92.71	17.3	4	57	0	5.1	1.6	241		No Comments
TNX 13D	TNX Auxiliary	Unconfined UTRAU/GAU	08-Dec-2025	6.1	92.48	16	15	82	18	6	2.7	117		No Comments
TNX 15D	TNX Auxiliary	Unconfined UTRAU/GAU	08-Dec-2025	6.4	92.57	15.3	4.3	60	12	5.9	2.3	216		No Comments
TNX 20D	TNX Auxiliary	Unconfined UTRAU/GAU	08-Dec-2025	6.3	90.92	16.7	1.8	80	10	5.7	2.6	170		No Comments
TNX 22D	TNX Auxiliary	Unconfined UTRAU/GAU	09-Dec-2025	6.8	90.75	15	14.9	88	1	5.4	2.63	160		No Comments
TNX 28D	TNX Auxiliary	Unconfined UTRAU/GAU	08-Dec-2025	8.0	91.8	17.2	8.4	72	22	6.3	3.1	65		No Comments
TNX 30D	TNX Auxiliary	Unconfined UTRAU/GAU	08-Dec-2025	9.8	93.2	17.5	12.3	56	12	5.9	2.8	5		No Comments
TNX 35D	TNX Auxiliary	Unconfined UTRAU/GAU	09-Dec-2025	6.4	93.46	17.2	31.3	73.3	14	6.2	2.07	153		T
TNX 37D	TNX Auxiliary	Unconfined UTRAU/GAU	09-Dec-2025	7.5	93.18	17.7	9.7	58.9	12	5.9	2.1	167		No Comments
TNX 72D	TNX Auxiliary	Unconfined UTRAU/GAU	09-Dec-2025	10.1	85.98	15.1	49.6	117.7	12	5.9	2.11	54		X
TNX 72M	TNX Auxiliary	Unconfined UTRAU/GAU	09-Dec-2025	8.9	87.04	18.1	19.5	170.5	14	6.1	1.59	17		T
TNX 72S	TNX Auxiliary	Unconfined UTRAU/GAU	09-Dec-2025	NS	NS	NS	NS	NS	NS	NS	NS	NS		D
TNX073D	TNX Auxiliary	Unconfined UTRAU/GAU	09-Dec-2025	12.4	87.68	18.1	12.3	82	1	5.1	3.92	155		No Comments
TNX074D	TNX Auxiliary	Unconfined UTRAU/GAU	09-Dec-2025	11.6	86.8	17	65	83	14	6.6	2.3	87		T
TNX075D	TNX Auxiliary	Unconfined UTRAU/GAU	09-Dec-2025	10.6	86.4	18.3	16	76	7	5.9	2.4	156		T
TNX076D	TNX Auxiliary	Unconfined UTRAU/GAU	09-Dec-2025	6.9	92.95	17.3	8	51	17	6.3	3.1	47		No Comments
TVM 1M	TNX Auxiliary	Unconfined UTRAU/GAU	09-Dec-2025	61.1	98.58	21.1	3.3	69	0	5.2	1.2	87		No Comments
TVM 2M	TNX Auxiliary	Unconfined UTRAU/GAU	09-Dec-2025	64.4	97.44	22.3	3.2	33	0	5.3	4.3	111		No Comments
TVM 4M	TNX Auxiliary	Unconfined UTRAU/GAU	09-Dec-2025	63.4	97.97	21.5	8.5	32	4	5.8	3.3	113		No Comments
TVR 1A	TNX Auxiliary	Unconfined UTRAU/GAU	11-Dec-2025	61.5	88.55	21.3	1.5	69	32	7	2.99	-140		No Comments
XSB006R	TNX Auxiliary	Unconfined UTRAU/GAU	11-Dec-2025	6.6	95.45	17.8	1.8	75	0	4.9	6.6	255		No Comments
TBG 3	TNX Primary	Unconfined UTRAU/GAU	09-Dec-2025	62.5	98.81	21.5	14.7	245	0	3.8	4.7	186		X
TBG 4	TNX Primary	Unconfined UTRAU/GAU	09-Dec-2025	59.8	102.78	20.4	13.4	1955	814	6.4	3.7	22		X
TBG 5	TNX Primary	Unconfined UTRAU/GAU	11-Dec-2025	55.5	102.27	21.3	17.8	1255	224	6.7	1.86	-112		X
TNX 3D	TNX Primary	Unconfined UTRAU/GAU	09-Dec-2025	68.1	97.53	21.7	3.2	131	41	6	1.7	32		No Comments
TNX 8D	TNX Primary	Unconfined UTRAU/GAU	08-Dec-2025	7.8	92.75	18.5	3	95	12	5.6	2.2	183		No Comments
TNX 11D	TNX Primary	Unconfined UTRAU/GAU	08-Dec-2025	6.8	93.5	19.9	13	47	3	5.5	1.6	226		No Comments
TNX 16D	TNX Primary	Unconfined UTRAU/GAU	08-Dec-2025	7.4	92.5	17.5	2	67	0	5.3	2.1	84		No Comments
TNX 27D	TNX Primary	Unconfined UTRAU/GAU	09-Dec-2025	15.1	95.5	21.7	12.5	75	15	5.8	4.1	130		No Comments
TNX 1D	TNX Secondary	Unconfined UTRAU/GAU	08-Dec-2025	59.8	96.88	20.3	2.3	53	3	5.4	5.6	226		No Comments
TNX 5D	TNX Secondary	Unconfined UTRAU/GAU	08-Dec-2025	48.0	101.5	21.6	5.3	77	2	5.2	3.4	180		No Comments
TNX 9D	TNX Secondary	Unconfined UTRAU/GAU	22-Dec-2025	8.8	93.1	18.2	3.2	76	3	5.2	3.4	60		No Comments
TNX 12D	TNX Secondary	Unconfined UTRAU/GAU	08-Dec-2025	6.4	93	18.8	14.1	76	26	6.5	2.9	20		No Comments
TNX 24D	TNX Secondary	Unconfined UTRAU/GAU	08-Dec-2025	34.4	108.86	21.3	1	68	10	5.8	3	58		No Comments

Fatty Acid / Hydrocarbons

Station	ACETIC ACID (ug/L)	BUTYRIC ACID (ug/L)	LACTIC ACID (mg/L)	PROPIONIC ACID (ug/L)	PYRUVIC ACID (mg/L)	BUTANE (ug/L)	CARBON DIOXIDE (ug/L)	ETHANE (ug/L)	ETHYLENE (ug/L)	ISOBUTANE (ug/L)	METHANE (ug/L)	PROPANE (ug/L)	PROPYLENE (ug/L)
P 26A	NS	NS	NS	NS	NS	NS	[12700]	<EQL (25) <EQL (25)	<EQL (25) <EQL (25)	NS	<EQL (25) <EQL (25)	<EQL (18.6) <EQL (18.6)	NS
P 26B	NS	NS	NS	NS	NS	NS	[17500]	<EQL (25)	<EQL (25)	NS	<EQL (25)	<EQL (18.6)	NS
P 26D	NS	NS	NS	NS	NS	NS	[20500]	<EQL (25)	<EQL (25)	NS	<EQL (25)	<EQL (18.6)	NS
TRW 1	NS	NS	NS	NS	NS	NS	[23900]	<EQL (25)	<EQL (25)	NS	<EQL (25)	<EQL (18.6)	NS
TRW 2	NS	NS	NS	NS	NS	NS	[40700]	<EQL (25)	<EQL (25)	NS	[423]	<EQL (18.6)	NS
TRW 3	NS	NS	NS	NS	NS	NS	[74900]	<EQL (25)	<EQL (25)	NS	[15900]	<EQL (18.6)	NS
TRW 4R	NS	NS	NS	NS	NS	NS	[180000]	<EQL (25)	<EQL (25)	NS	[32300]	<EQL (18.6)	NS
X-008-DW1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
X-008-DW2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
X-008-DW3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TCM 5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TIR 1L	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TIR 1M	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TIR 1U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 13D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 15D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 20D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 22D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 28D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 30D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 35D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 37D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 72D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 72M	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 72S	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX073D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX074D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX075D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX076D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TVM 1M	NS	NS	NS	NS	NS	NS	[41100]	<EQL (25)	<EQL (25)	NS	5170	<EQL (18.6)	NS
TVM 2M	NS	NS	NS	NS	NS	NS	[21500]	<EQL (25)	<EQL (25)	NS	<EQL (25)	<EQL (18.6) <EQL (18.6)	NS
TVM 4M	NS	NS	NS	NS	NS	NS	[16700]	<EQL (25)	<EQL (25)	NS	<EQL (25)	<EQL (18.6)	NS
TVR 1A	NS	NS	NS	NS	NS	NS	[44100]	<EQL (25)	<EQL (25)	NS	[9620]	<EQL (18.6)	NS
XSB006R	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TBG 3	NS	NS	NS	NS	NS	NS	REJ	<EQL (25)	<EQL (25)	NS	12500	<EQL (18.6)	NS
TBG 4	NS	NS	NS	NS	NS	NS	[233000]	<EQL (25)	<EQL (25)	NS	9520	<EQL (18.6)	NS
TBG 5	NS	NS	NS	NS	NS	NS	[279000]	<EQL (25) <EQL (25)	<EQL (25) <EQL (25)	NS	[18400] [13400]	<EQL (18.6)	NS
TNX 3D	NS	NS	NS	NS	NS	NS	[42800]	<EQL (25)	<EQL (25)	NS	12600	<EQL (18.6)	NS
TNX 8D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 11D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 16D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 27D	NS	NS	NS	NS	NS	NS	[26400]	<EQL (25)	<EQL (25)	NS	94.5	<EQL (18.6)	NS
TNX 1D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 5D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 9D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 12D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX 24D	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Inorganics / Organics / Radionuclides

Station	IRON (ug/L)	MERCURY (ug/L)	NITRATE (ug/L)	NITRATE-NITRITE AS NITROGEN (mg/L)	SULFATE (mg/L)	TOTAL ORGANIC CARBON (ug/L)	URANIUM (ug/L)	1,4-DIOXANE (ug/L)	CARBON TETRACHLORIDE (ug/L)	CHLOROETHENE (VINYL CHLORIDE) (ug/L)	CIS-1,2-DICHLOROETHYLENE (ug/L)	TETRACHLOROETHYLENE (PCE) (ug/L)	TRICHLOROETHYLENE (TCE) (ug/L)	ADJUSTED GROSS ALPHA (pCi/L)	COMBINED RADIUM (226 AND 228) (pCi/L)	CONVERTED URANIUM ACTIVITY (pCi/L)	GROSS ALPHA (pCi/L)	NONVOLATILE BETA (pCi/L)	RADIUM-226 (pCi/L)	RADIUM-228 (pCi/L)
		2		10			30	0.46	5	2	70	5	5	15	5			50		
P 26A	824	<EQL (0.2)	<EQL (0.1)	<EQL (0.5) <EQL (0.5)	7.92	<EQL (1000) <EQL (1000)	<EQL (0.2)	<EQL (3) <EQL (0.2) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[1.51]	[1.21]	<EQL (0.134)	[1.51] [1.25]	4.5 2.86	[1.21] [0.682]	<EQL (1.69) <EQL (1.76)
P 26B	1100	<EQL (0.2)	0.38	[0.29]	2.3	[801]	0.23	<EQL (3) <EQL (0.2) [0.157]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[1.3459]	[1.26]	0.1541	[1.5]	3.07	[1.26]	<EQL (1.7)
P 26D	136	<EQL (0.2)	0.4	[0.323]	1.77	<EQL (1000) <EQL (1000)	<EQL (0.2)	<EQL (3) <EQL (0.2) [0.104]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	[1.765]	<EQL (0.134)	<EQL (1.29)	[0.996]	[0.695]	[1.07]
TRW 1	<EQL (100)	<EQL (0.2)	1.93	2.14	3.39	[600]	<EQL (0.2)	[0.0744] <EQL (3) [0.0722]	<EQL (1)	<EQL (1)	[0.49]	<EQL (1)	4.69	[0.501]	[0.523]	<EQL (0.134)	[0.501]	1.97	[0.523]	<EQL (1.31)
TRW 2	4790	0.552	7.1	8.03	3.63	[657]	<EQL (0.2)	[0.0712] <EQL (3) <EQL (0.2)	<EQL (1)	<EQL (1)	3.24	<EQL (1)	8.97	[1.74]	[1.455]	<EQL (0.134)	1.74	2.9	[0.445]	[1.01]
TRW 3	23300	<EQL (0.2)	<EQL (0.1)	<EQL (0.5) <EQL (0.5)	0.72	2750	<EQL (0.2)	[0.066] [0.0582] <EQL (3)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.607]	[1.215]	<EQL (0.134)	[0.607]	[1.17]	[0.476]	[0.739]
TRW 4R	36600	<EQL (0.2)	<EQL (0.1)	<EQL (0.5)	2.23	1740	<EQL (0.2)	[0.103] [0.0616] <EQL (3)	<EQL (1)	<EQL (1)	46.8	<EQL (1)	1.46	[1.22]	[1.24]	<EQL (0.134)	1.22	2.41	[1.24]	<EQL (1.6)
X-008-DW1	NS	<EQL (0.2) [0.711]	NS	0.519	NS	NS	0.32 [8.7]	<EQL (3) <EQL (0.2) <EQL (0.2) <EQL (3)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[-0.21507] [149.171]	[0.419] [6.05]	0.21507 [5.829]	<EQL (1.09) [155]	[1.4] [154]	[0.419] [4.51]	<EQL (1.39) 1.54
X-008-DW2	NS	<EQL (0.2) <EQL (0.2)	NS	[0.32]	NS	NS	0.906 1.39	<EQL (3) <EQL (0.2) <EQL (0.2) <EQL (3)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	0.41298 0.1187	[0.373] [0.285]	0.60702 0.9313	1.02 1.05	1.84 2.06	[0.373] [0.285]	<EQL (2.24) <EQL (1.37)
X-008-DW3	NS	<EQL (0.2) <EQL (0.2)	NS	[0.291]	NS	NS	0.787 1.27	<EQL (3) <EQL (0.2) <EQL (0.2) <EQL (3)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.37271] [-0.1019]	[0.267] [1.355]	0.52729 0.8509	[0.9] [0.749]	1.62 2.04	[0.267] [0.624]	<EQL (1.71) [0.731]
TCM 5	NS	[0.1]	NS	1.23	NS	NS	38.6	[0.115] <EQL (3) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	2.11	-3.462	[0.75]	25.862	22.4	21.5	[0.75]	<EQL (1.36)
TIR 1L	NS	<EQL (0.2)	NS	[0.347] [0.334]	NS	NS	<EQL (0.2)	<EQL (0.2) <EQL (3) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	[0.581]	<EQL (0.134)	<EQL (0.805) <EQL (0.77)	1.38 [1.12]	[0.581]	<EQL (1.36)
TIR 1M	NS	<EQL (0.2)	NS	1.24	NS	NS	0.453	<EQL (0.2) <EQL (3) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[-0.30485]	[1.339]	0.30485	<EQL (0.837)	[1.03]	[0.608] [0.492]	[0.847]
TIR 1U	NS	<EQL (0.2)	NS	1.3	NS	NS	3.86	<EQL (0.2) <EQL (3) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.981]	-0.0262	[0.327]	2.5862	2.56	2.21	[0.327]	<EQL (1.74)
TNX 13D	NS	<EQL (0.2)	NS	[0.25]	NS	NS	<EQL (0.2)	<EQL (3) [0.0456] <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	[0.816]	<EQL (0.134)	<EQL (0.915)	3.58	[0.816]	<EQL (1.18)
TNX 15D	NS	<EQL (0.2)	NS	[0.614]	NS	NS	<EQL (0.2)	<EQL (3) [0.101] <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	[0.409]	<EQL (0.134)	<EQL (0.75)	1.71	[0.409]	<EQL (1.8)
TNX 20D	NS	<EQL (0.2)	NS	<EQL (0.5)	NS	NS	<EQL (0.2)	<EQL (3) [0.133] [0.0736]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	[1.642]	<EQL (0.134)	<EQL (1.08)	[0.908]	[0.242]	[1.4]
TNX 22D	NS	<EQL (0.2)	NS	<EQL (0.5)	NS	NS	<EQL (0.2)	<EQL (3) <EQL (0.2) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	[1.479]	<EQL (0.134)	<EQL (1.56)	[0.964]	[0.612]	[0.867]
TNX 28D	NS	<EQL (0.2)	NS	[0.389]	NS	NS	6.2	<EQL (3) <EQL (0.217) [0.0666]	<EQL (1)	<EQL (1)	[0.46]	<EQL (1)	1.6	1.2298	[3.5]	4.1607	5.39	4.44	2.39	[1.11]
TNX 30D	NS	<EQL (0.2)	NS	[0.742]	NS	NS	1.76	<EQL (3) <EQL (0.2) [0.0706]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	5.2508	[0.632]	1.1792	6.43	10.3	[0.632]	<EQL (1.47)
TNX 35D	NS	<EQL (0.2)	NS	0.812	NS	NS	2.6	<EQL (3) [0.116] [0.101]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	40.058	2.45	1.742	41.8	43.6	2.45	<EQL (1.55)
TNX 37D	NS	<EQL (0.2)	NS	[0.32]	NS	NS	1.04	<EQL (3) <EQL (0.2) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.8332]	[0.747]	0.6968	[1.53]	2.77	<EQL (1.43)	[0.747]
TNX 72D	NS	<EQL (0.2)	NS	<EQL (0.5) <EQL (0.5)	NS	NS	<EQL (0.2)	<EQL (3) [0.188] <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	[3.44]	<EQL (0.134)	<EQL (1.53)	[1.25]	[1.14]	[2.3]
TNX 72M	NS	<EQL (0.2)	NS	<EQL (0.5)	NS	NS	0.544	<EQL (3) <EQL (0.2) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[-0.36448]	[2.22]	0.36448	<EQL (1.99)	3.64	[1.03]	[1.19]
TNX 72S	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TNX073D	NS	<EQL (0.2)	NS	<EQL (0.5)	NS	NS	[0.122]	<EQL (3) <EQL (0.2) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[3.85826]	[0.552]	[0.08174]	3.94	5.92	[0.552]	<EQL (1.76)
TNX074D	NS	<EQL (0.2)	NS	<EQL (0.5)	NS	NS	<EQL (0.2)	<EQL (3) <EQL (0.2) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.953]	1.1	<EQL (0.134)	[0.953]	2.82	1.1	<EQL (1.54)
TNX075D	NS	<EQL (0.2)	NS	<EQL (0.5)	NS	NS	[0.068]	<EQL (3) <EQL (0.2) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[-0.04556]	[0.854]	[0.04556]	<EQL (1.17)	2.4	[0.854]	<EQL (1.65)
TNX076D	NS	<EQL (0.2)	NS	<EQL (0.5)	NS	NS	<EQL (0.2)	[0.084] <EQL (3) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	1.21	<EQL (0.134)	<EQL (1.29)	1.98	1.21	<EQL (1.74)
TVM 1M	4190	<EQL (0.2)	1.02	1.14	3.4	1190 1140	<EQL (0.2)	<EQL (3) <EQL (0.2) <EQL (0.2)	<EQL (1)	<EQL (1)	24.8	<EQL (1)	13.5	[0.829]	1.23	<EQL (0.134)	[0.829]	12.5	1.23	<EQL (1.71)
TVM 2M	158	<EQL (0.2)	0.614 0.61	0.62	1.43 1.36	[337]	<EQL (0.2)	<EQL (3) <EQL (0.2) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.577]	[1.605]	<EQL (0.134)	[0.577]	2.16	[0.645]	[0.96]
TVM 4M	226	<EQL (0.2)	0.589 0.587	0.567	1.22 1.2	[337]	[0.069]	<EQL (3) <EQL (0.2) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[2.28377]	1.84	[0.04623]	2.33	3.04	1.84	<EQL (1.7)
TVR 1A	6180	<EQL (0.2)	<EQL (0.1) <EQL (0.1)	<EQL (0.5)	5.56 5.53	[718]	<EQL (0.2)	[0.0466] <EQL (3) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.969]	[1.756]	<EQL (0.134)	0.969	2.09	[0.851]	[0.905]
XSB006R	NS	1.18	NS	4.73	NS	NS	7.54	[0.045] <EQL (3) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	3.01	0.6382	[0.909]	5.0518	5.69	3.97	[0.909]	<EQL (2.11)
TBG 3	24400	<EQL (0.2)	<EQL (0.1)	<EQL (0.5)	1.6	906000	11.2	<EQL (3) <EQL (0.2) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	2.14	-3.654	[0.785]	7.504	3.85	9.59	[0.785]	<EQL (1.6)
TBG 4	132000	<EQL (0.2)	0.1	<EQL (0.5)	0.69	502000	0.307	[1.19] <EQL (0.4) <EQL (0.4)	<EQL (1)	<EQL (1)	15	<EQL (1)	[0.99]	[3.47431]	[2.81]	0.20569	[3.68]	12	1.68	[1.2]
TBG 5	173000	[0.121]	[0.967]	[0.17]	0.635	672000 633000	<EQL (0.2)	[2.43] <EQL (30) [1.67]	<EQL (1)	1.24	68.8	<EQL (1)	<EQL (1)	[2.97]	[1.69]	<EQL (0.134)	[2.97]	21.2	[1.69]	[0.813] <EQL (1.49)
TNX 3D	20300	<EQL (0.2)	0.136	<EQL (0.5)	1.57	1430	<EQL (0.2)	<EQL (3) <EQL (0.2) [0.0852]	<EQL (1)	<EQL (1)	9.61	<EQL (1)	3.9	[1.8]	[0.832]	<EQL (0.134)	[1.8]	2.38	[0.832]	<EQL (1.73)
TNX 8D	NS	<EQL (0.2)	NS	<EQL (0.5)	NS	NS	[0.084]	<EQL (3) [0.0748] <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.39]	[0.63772]	[1.523]	[0.05628]	[0.694]	2.82	[0.393]	[1.13]
TNX 11D	NS	<EQL (0.2)	NS	<EQL (0.25)	NS	NS	[0.12]	<EQL (3) [0.047] <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[-0.0804]	[2.53]	[0.0804]	<EQL (0.863)	1.64	1.37	[1.16]
TNX 16D	NS	<EQL (0.2)	NS	<EQL (0.5)	NS	NS	<EQL (0.2)	<EQL (3) <EQL (0.2) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[0.41]	<EQL (0)	[0.467]	<EQL (0.134)	<EQL (0.623)	<EQL (1.33)	[0.467]	<EQL (1.61)
TNX 27D	[497]	<EQL (0.2)	2.39	2.8	2.69	[557]	[0.067]	<EQL (3) <EQL (0.2) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[-0.04489]	<EQL (0.512)	[0.04489]	<EQL (1.53)	4.57	<EQL (0.747)	<EQL (1.88)
TNX 1D	NS	<EQL (0.2)	NS	[0.945] [0.915]	NS	NS	<EQL (0.2)	<EQL (3) [0.0496] <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	[0.41]	<EQL (0.134)	[0.566] <EQL (0.854)	[1.8] [1.59]	[0.41] [0.395]	<EQL (1.75)
TNX 5D	NS	<EQL (0.2)	NS	[0.0955]	NS	NS	<EQL (0.2)	<EQL (3) [0.0466] <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[2.41]	[0.463]	<EQL (0.134)	2.4	7.72	[0.463]	<EQL (2.04)
TNX 9D	NS	<EQL (0.2)	NS	<EQL (0.25) <EQL (0.25)	NS	NS	<EQL (0.2)	<EQL (3) <EQL (0.2) [0.0462]	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	[2.74]	<EQL (0.134)	<EQL (1.15) <EQL (1.29)	2.93 2.87	[0.661] [0.53]	[2.21] [0.724]
TNX 12D	NS	0.265	NS	<EQL (0.25)	NS	NS	[0.086]	<EQL (3) [0.0538] <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	[2.07238]	[2.91]	[0.05762]	2.13	2.29	1.62	[1.29]
TNX 24D	NS	<EQL (0.2)	NS	<EQL (0.25) <EQL (0.25)	NS	NS	<EQL (0.2)	<EQL (3) <EQL (0.2) <EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	[0.667]	<EQL (0.134)	<EQL (0.882)	[1.04]	[0.667]	<EQL (1.13)

Explanation

[##]	EPA Functional Guideline Code of 'J' was applied to the result, indicating an estimated quantity.
<EQL(##)	Constituent was below detection. The sample-specific Estimated Quantitation Limit is in parentheses.
	Result exceeds applicable limit.
REJ	Result Rejected.
	Result is less than the applicable limit and without EPA Functional Guidline qualifiers.
NS	Requested to be sampled but was not. See comments as to why not.
Blue Text	Not a required sample analysis.

Table B-4. Field Duplicate Groundwater Monitoring Results for TNX Area Wells, Fourth Quarter, 2025

Table B-4. 4Q2025 TNX Annual Groundwater and Monitoring Report			Field Data																Fatty Acid					Hydrocarbons										Inorganics							Organics						Radionuclides				
			SAMPLE COLLECTION DATE	DEPTH TO WATER	SAMPLING EVENT WATER ELEVATION	WATER TEMPERATURE	TURBIDITY	SPECIFIC CONDUCTANCE	PHENOLPHTHALEIN ALKALINITY (AS CACO3)	TOTAL ALKALINITY (AS CACO3)	VOLUME PURGED	PH	OXYGEN	OXIDATION/REDUCTION POTENTIAL	Constituent	FIELD CONDITIONS	ACETIC ACID	BUTYRIC ACID	LACTIC ACID	PROPIONIC ACID	PYRUVIC ACID	BUTANE	CARBON DIOXIDE	ETHANE	ETHYLENE	ISOBUTANE	METHANE	NITROGEN	PROPANE	PROPYLENE	IRON	MERCURY	NITRATE	NITRATE-NITRITE AS NITROGEN	SULFATE	TOTAL ORGANIC CARBON	URANIUM	1,4-DIOXANE	CARBON TETRACHLORIDE	CHLOROETHENE (VINYL CHLORIDE)	CIS-1,2-DICHLOROETHYLENE	TETRACHLOROETHYLENE (PCE)	TRICHLOROETHYLENE (TCE)	ADJUSTED GROSS ALPHA	COMBINED RADIUM (226 AND 228)	CONVERTED URANIUM ACTIVITY	GROSS ALPHA	NONVOLATILE BETA	RADIUM-226	RADIUM-228
			day-month-year	ft	ft	degC	NTU	uS/cm	mg/L	mg/L	gal	pH	mg/L	mV	NPDWS Unit		ug/L	ug/L	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	pCi/L
Station	Well Use	Aquifer Zone																																																
X-008-DW1	Surface Water		10-Dec-2025	NA	NA	9.6	39.6	123	0	12	NA	6.4	1.96	120	No Comments	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	[0.975]	NA	0.507	NA	NA	15.8	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	5.614	1.53	10.586	16.2	17.6	1.53	<EQL (1.75)
																																					<EQL (0.2)													
TIR 1U	TNX Auxiliary	Unconfined UTRAU/GAU	10-Dec-2025	8.9	92.7	17.3	4	57	0	0	NA	5.1	1.6	241	No Comments	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<EQL (0.2)	NA	1.78	NA	NA	3.47	<EQL (0.2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	1	-0.0749	0.621	2.3249	2.25	[1.65]	0.621	<EQL (1.64)
																																					<EQL (3)													
																																					<EQL (0.2)													
TNX 20D	TNX Auxiliary	Unconfined UTRAU/GAU	08-Dec-2025	6.3	90.9	16.7	1.8	80	0	10	NA	5.7	2.6	170	No Comments	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<EQL (0.2)	NA	<EQL (0.5)	NA	NA	<EQL (0.2)	<EQL (3)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (0)	0.642	<EQL (0.134)	<EQL (0.933)	1.05	0.642	<EQL (1.44)
																																					[0.133]													
																																					0.0454													
TNX 27D	TNX Primary	Unconfined UTRAU/GAU	09-Dec-2025	15.1	95.5	21.7	12.5	75	0	15	NA	5.8	4.1	130	No Comments	NA	NA	NA	NA	NA	NA	26400	<EQL (25)	<EQL (25)	NA	97.5	NA	<EQL (18.6)	NA	988	<EQL (0.2)	2.39	2.74	2.68	569	0.139	<EQL (3)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	-0.09313	3.19	0.09313	<EQL (1.24)	5.1	3.19	<EQL (1.53)
																																					<EQL (0.2)													
																																					<EQL (0.2)													

Explanation

[##]	EPA Functional Guideline Code of 'J' was applied to the result, indicating an estimated quantity.
<EQL(##)	Constituent was below detection. The sample-specific Estimated Quantitation Limit is in parentheses.
	Result exceeds applicable limit.
REJ	Result Rejected.
	Result is less than the applicable limit and without EPA Functional Guidline qualifiers.
NS	Requested to be sampled but was not. See comments as to why not.
Blue Text	Not a required sample analysis.

APPENDIX C

DATA REVIEW KEY

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Key to Reading the Tables

The following abbreviations may appear in the data tables:

Constituents

CCl_4	Carbon Tetrachloride
VC	Chloroethane (Vinyl Chloride)
cis-1,2-DCE	Cis-1,2-Dichloroethylene
NO_3/NO_2 as N	Nitrate-nitrite as Nitrogen
PCE	Tetrachloroethylene
TCE	Trichloroethylene

Contract Laboratories Available

EBL	Environmental Bioassay Lab
GEL	General Engineering Lab
LVL	Lionville Laboratory
STL	Severn Trent Lab

Nomenclature

AZ	Aquifer Zone
UTRA	Upper Three Runs Aquifer Unit
GAU	Gordon Aquifer Unit
UNKNOWN	Unknown

Field Conditions

A	Pump is surging excessively; aerated
B	blank sample was collected
C	well is continuously pumping
D	well is dry-no sample or field data collected
E	equipment blank was collected
I	well went dry during sampling; field data collected but insufficient water to collect all samples
L	well went dry before sampling began; only depth to water can be determined
N	well was not stabilized before sampling began
P	inaccessibility or mechanical failure prevented sample collection and field analysis of the water
S	no water in standpipe; for water level events only
T	samples were collected, but some samples were not sent to the laboratory due to high turbidity
W	unable to sample well because of stabilization or sampling equipment failure; water-level measurements were obtained
X	well went dry during purging; samples collected after well recovered measurements obtained
0	OK
1	Pump Dry
2	Sampled after recovery
3	Gallons purged through sample port
4	DI water taken from 772-7B
5	High turbidity
6	Flow meter leaking
7	Pump failure
8	Flow meter not operating
9	# gallons added
10	Well is inaccessible, well cannot be Sampled
11	Well abandoned
12	No water to surface
13	Field measurements only
14	Not all samples were collected
15	Equipment failure
16	No water in standpipe
17	Bailed well
18	Water level tape not long enough
19	Well not sampled, maintenance required

Field Conditions (continued)

20	Well sampled, maintenance required
21	Measurement Exceeded Criteria

Units

amsl	above mean sea level
Deg C	degrees Celsius
Deg N	Degrees North
Deg W	Degrees West
E	East
ft	feet
mg/L	milligrams per liter
mV	millivolts
N	North
nM	nanomoles
NTU	nepholometric turbidity unit
pCi/L	picoCuries per liter
pCi/mL	picoCuries per milliliter
pH	pH unit
µg/L	micrograms per liter
µS/cm	microSiemens per centimeter

Other

CLP	USEPA Functional Guideline Codes
E	exponential notation (e.g., 1.1E–09 = 1.1 x 10^{-9} = 0.0000000011)
STORET	USEPA STORET result qualifiers
Filt.	Data results after application of the Data Usability filter
MCL	Maximum Contaminant Level
NDD	"not decision data"
PDWS	primary drinking water standard
USEPA NPDWS	USEPA National Primary Drinking Water Standard
<EQL	less than the sample-specific estimated quantitation limit

Results Below Detection

For radiological analyses, the analytical result field contains the result recorded on the analytical instrument and reported by the laboratory, even if it is negative. For non-radiological analyses, if the analyte is not detected, the sample-specific estimated quantitation limit (EQL) is entered into the result field and is reported with a less than [<] sign. The EQL is defined as the lowest

concentration that can be achieved reliably within specified limits of precision and accuracy during routine laboratory operating conditions. The sample-specific EQL is modified for sample concentration or dilution or unusual aliquot size that affects analytical sensitivity.

Calculated Result

The data tables (matrix tables) may include some calculated values of parameters to allow comparison of the sample concentration with the Maximum Contaminant Level (MCL) of the USEPA National Primary Drinking Water Standards. The calculated results have a "C" as the USEPA STORET code, listed in the "EPA" column. If any of the results used in the calculation were assigned a "J" qualifier, the calculated result was also assigned a "J" qualifier. Results for radium 226, radium 228, and uranium (total recoverable) that were <EQL, were treated as "zero" in the calculations.

- Radium-226 and radium-228 are counted as two contaminants, even though their standard is combined. The calculated result for "Radium 226 and Radium 228 (Combined)" is obtained by adding the result for radium 226 to the result for radium 228. If both results were below detection, the greater of the two values was used to represent the "<EQL" result for Radium 226 and Radium 228 (Combined)".
- The MCL for gross alpha particles radioactivity (15 pCi/L) applies to the calculated or "adjusted" gross alpha radioactivity. The "adjusted" gross alpha is defined as the gross alpha particle activity, excluding radon and naturally occurring uranium 234, 235, and 238. The result for "adjusted" gross alpha can also be determined by converting uranium (total recoverable) results from ug/L to pCi/L, using the conversion factor of 0.67 pCi/µg, and then subtracting the uranium activity from the unadjusted gross alpha activity. In some cases, uranium (total recoverable) was detected by the chemical method of analysis, but the gross alpha measurement of radioactivity was below detection. In these cases, since no calculation could be performed, the results for adjusted gross alpha was shown as less than the method detected limit.
- The Radionuclides Rule uses a "sum-of-the-fractions" method to determine whether a sample is in compliance with the MCL for beta particles and photon radioactivity. While the MCL is in "millirems", contaminants are analyzed in "pCi/L". Therefore, to determine compliance, each beta and photon emitter must be concerted from pCi/L to millirems using the conversion factors listed in the MCL column of the data tables (Matrix Tables). The average annual concentration of beta particle and photon radioactivity from man-made radionuclides in drinking water must not produce an annual dose equivalent to the total body or any internal organ greater than 4 millirem/yr (mrem/yr). For each emitter detected in a sample, the result was divided by the value in the MCL column of the data tables (Matrix Tables). This provided a fraction of how much the particular beta or photon emitter is providing towards the maximum of 4 mrem/yr for all of the beta photon emitters. Each fraction was then converted to a dose equivalent of 4 mrem/yr by multiplying the fraction by 4. The results for each emitter were then summed, and the calculated result shown as "beta and photon emitters' for comparison to the MCL of 4 mrem/yr.

Uncertainty and Data Usability

In April 1998, the South Carolina Department of Environmental Services (SCDES) accepted guidance proposed by Savannah River Site (SRS) to apply a method for minimizing uncertainty in compliance decisions potentially affecting long-term monitoring or remediation (letter, Taylor to Cook; April 21, 1998). The method is applied by processing or "filtering" the data, using the United States Environmental Protection Agency (USEPA) Functional Guideline Codes (USEPA 1994; USEPA 1999) applied by the laboratories to qualify the analytical results. By removing all data with a result qualifier of "L", "R", "U", and "J" from consideration, groundwater data users can ensure that only quantified numerical results are applied to the decision process. The output of the filtering process populates the "Filt" column as follows:

1) "Null" or "blank" – Data not remarked. The analytical result is acceptable for use as reported, and the result is not greater than an associated concentration limit for the analyte.
   Rationale: The best result would be one without qualifiers, so the preferred choice would be the maximum result that did not have any qualifiers.
2) "J", "L", "N", "NJ", or "JL" – "J" identifies that the analyte was positively identified; the associated numerical value is an estimated concentration of the analyte in the sample. "L" Indicates the sample result is off scale high. "JL" Indicates an estimated quantity of a sample that is off scale high. "N" is used for all TIC (tentatively identified compounds) and indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification. "NJ" means the presence of an analyte that has been tentatively identified and the associated numerical value represents its approximate concentration.
   Rationale: an estimate can still provide useful information. Although there may be a range of uncertainty around the actual value, the value itself may still grossly exceed a regulatory standard. However, a estimated value is less certain than an unqualified result. Therefore, this would be labeled as "NDD" (not decision data).
3) "U" - material analyzed for, but not detected. The analyte concentration is less than the sample specific Estimated Quantitation Limit and labeled "<EQL".

   Rationale: a result above the detection limit would be chosen before a result below detection so that the process is not biased toward false negatives.
4) "UJ" - result is not above the reported sample quantitation limit, but the reported quantitation limit itself is approximate, and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

   Rationale: the additional qualifiers make this result less reliable for use than the "U" without qualifiers. These results would be labeled "<EQL".
5) "Rejected" – The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

   Rationale: the only value in providing this result in the report is to indicate that the lab attempted to analyze the sample. If there are any other results available, the result with the "R" qualifier should not be reported. If it is reported, it is definitely "NDD" (not decision data).

Holding Times

Standard analytical methods include a limit, called holding time, on the maximum elapsed time between sample collection and extraction or analysis by the laboratory. In the data tables (matrix tables), the result qualifier Q in the "EPA" column indicates that holding time was exceeded. Analyses performed beyond holding times may not yield valid results.

SCDES allows only 15 minutes elapse between sampling and analysis for pH. Thus, only field pH measurements can meet the holding time criterion; laboratory pH analyses always will exceed it.

The laboratory procedure used for the determination of specific conductance allows one day to elapse between sampling and analysis. Thus, laboratory specific conductance measurements may exceed the holding time criterion.

Data Qualification

The contract laboratories submit sample- or batch-specific quality assurance/quality control information either at the same time as analytical results or in a quarterly summary. Properly defined and used, data qualifiers can be a key component in assessing data usability. The USEPA Functional Guideline Codes (USEPA 1994; EPA 1999) used by the analytical laboratories are shown in the CLP result qualifier column are defined below. These modifiers appear in the data tables (matrix tables) under the associated with the "Qual code" in the drop down comment box of the result cell in the data tables (matrix tables). US EPA STORET codes appear in the data tables (matrix tables) associated with the "EPA code" in the drop down comment box of the result cell in the Matrix tables. USEPA STORET codes are defined below.

Concentrations that exceeded the USEPA NPDWS and are not "estimated quantities" (i.e. do not have a USEPA Functional Guideline Code of "J") are identified in the tables by a red background. Results shown in a lavender background are estimated quantities. Blue font indicates that a particular analysis is not required for a given well for the sampling event presented. An "NS" with a yellow background identifies analyses that were required but could not be completed. Results that were rejected by the laboratory are listed in the data tables (matrix tables) as "REJ", with a pink background.

"CLP" Qualifiers - USEPA Functional Guidelines Codes (USEPA 1994 and USEPA 1999)

(Blank)	Data not remarked. The analytical result is acceptable for use as reported.
J	The analyte was positively identified; the associated numerical value is an estimated concentration of the analyte in the sample.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence of absence of the analyte cannot be verified. Assignment of *R* requires approval by the appropriate WSRC data validation coordinator.
U	Material analyzed for but not detected. Analytical result reported is less than the sample quantitation limit.
UJ	The analyte was not detected above the reported sample quantitation limit. The reported quantitation limit is approximate, and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Note: These are only some of the qualifiers present in the database. All modifiers associated with the data are published in the official repository of the data.

"EPA" Qualifiers – USEPA STORET Codes

(Blank)	Data not remarked
C	The result is calculated.
I	The result is less than the ssEQL, but equal to or greater than the MDL. Always reported with an associated EPA functional Guideline Code qualifier of *J*.
K	The actual concentration is known to be less than the reported result.
L	The actual concentration is known to be greater than the reported result.
N	There is presumptive evidence of the presence of an analyte.
O	Sample received by laboratory, but the analysis was lost or not performed.
Q	Sample was held beyond normal holding time prior to analysis.
V	The analyte was detected in both the method blank and the sample.
Y	The result is from an unpreserved or incorrectly preserved sample; the data may not be accurate.

Note: These are only some of the qualifiers present in the database. All modifiers associated with the data are published in the official repository of the data.

In addition, to the USEPA STORET codes, SRS applies qualifier codes to provide additional information. The SRS codes, also associated with the "EPA code" in the Matrix Tables are defined below.

"SRS" Qualifiers

1 Compound identification criteria were not met.
2 Laboratory control sample (LCS) or blank spike (BS) criteria were not met.
3 Inductively coupled plasma (ICP) serial dilution criteria were not met.
4 Matrix interference is present.
5 Matrix spike concentration was < 0.25× the sample concentration, and the percent recovery cannot be determined.
6 The analyte was detected in both the sample and associated field blank.
7 The analyte was detected in both the sample and associated rinsate.
8 The analyte was detected in both the sample and associated trip blank.
9 The field duplicate RPD was not within control limits.
10 Internal standard (IS) criteria were not met when the IS was used for quantitation.
11 Matrix spike recovery was not within the control limits.
12 A tentatively identified compound is a suspected aldol-condensation product.
13 Initial or continuing calibration criteria were not met.
14 Surrogate or tracer spike recovery is out of specification.
15 Graphite furnace atomic absorption QC: a. Duplicate injection criteria were not met; b. Post-digestion spike recovery was not within control limits and the sample absorbance is > 50% of the post-digestion spike absorbance.
16 The sample was analyzed by the method of standard additions.
17 Graphite furnace atomic absorption QC: the post-digestion spike recovery is not within control limits and the sample absorbance is < 50% of the post-digestion spike absorbance.
18 The laboratory duplicate relative percent difference (RPD) or matrix spike/matrix spike duplicate (MS/MSD) (RPD) was not within control limits.

Note: These are only some of the qualifiers present in the database. All modifiers associated with the data are published in the official repository of the data, the Environmental Restoration Data Management System database.

REFERENCES

SCDHEC, 1998. *RE: Groundwater Data Reporting Change at SRS*, Letter, G. K. Taylor (SCDHEC) to J. W. Cook (EPD/WSRC); April 21, 1998

USEPA, 1994. *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review*, 9240.1-05-01, PB 94-963502, EPA540/R-94/013, February 1994; U.S. Environmental Protection Agency, Washington, DC

USEPA, 2000. EPA (U.S. Environmental Protection Agency, Office of Water), 2000. Federal Register, Vol. 56, No 236, Thursday, December 7, 2000, Rules and Regulations, 40 CFR Parts 9, 141, and 142; National Primary Drinking Water Regulations; Radionuclides; Final Rule

USEPA, 2002. EPA (U.S. Environmental Protection Agency, Office of Water), 2002. Implementation Guidance for Radionuclides; Appendix I, (beta and photon emitter conversion tables); EPA 816-F-00-002, March 2002. http://www.epa.gov/safewater

USEPA, 2003. EPA (U.S. Environmental Protection Agency, Office of Water), 2003. Alphabetical version in .pdf format of the EPA National Primary Drinking Water Regulations; EPA 816-F-03-016, June 2003. (For copies of the complete regulations regarding these contaminants, follow the links to the National Primary Drinking Water Regulations. http://www.epa.gov/safewater/consumer/pdf/mcl.pdf)

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APPENDIX D

HYDROGRAPHS

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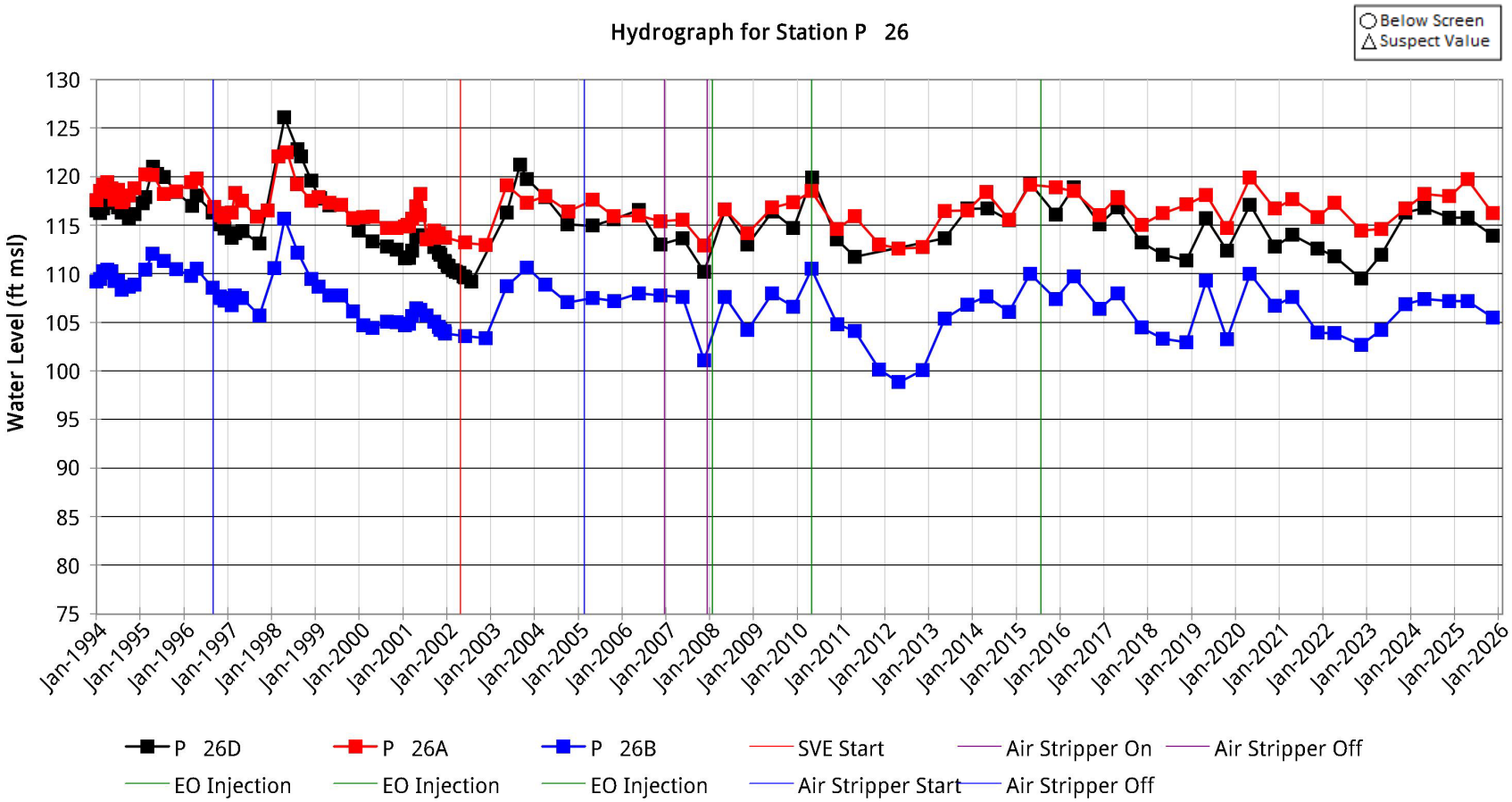
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Suspect Value
Water Level (ft msl)
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125
120
115
110
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100
95
90
85
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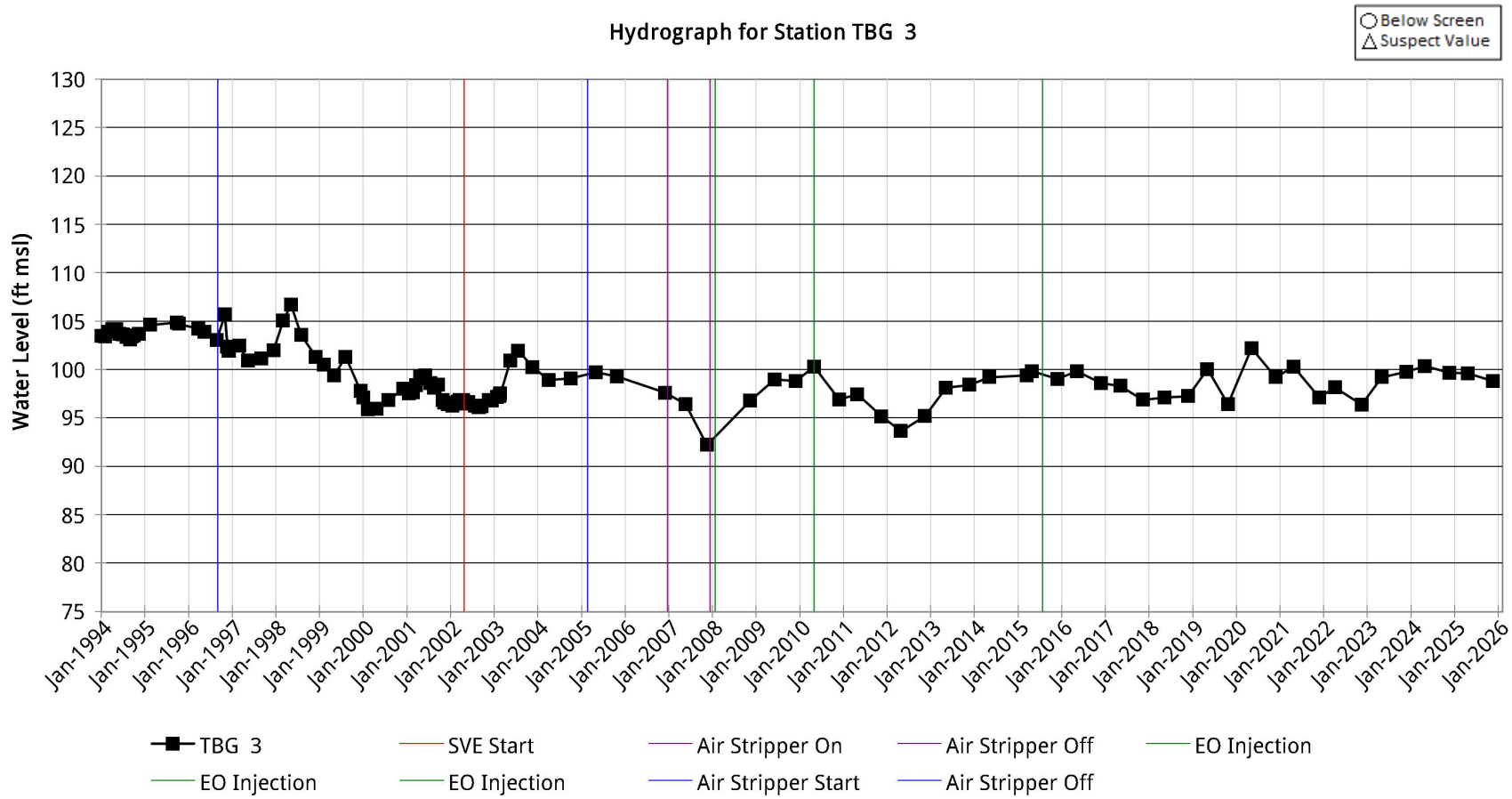
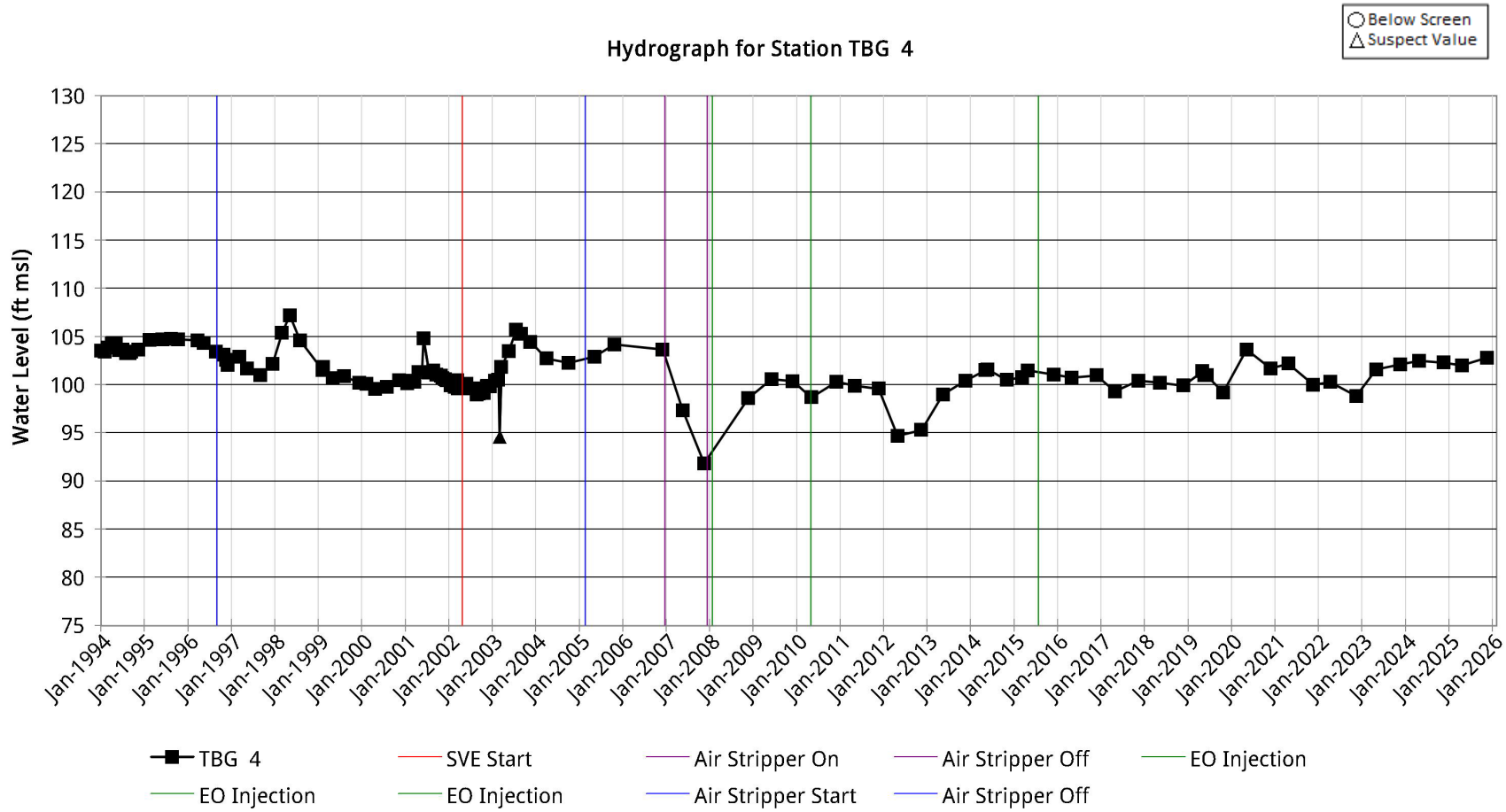
75
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
P 26D
P 26A
P 26B
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TBG 3
Below Screen
Suspect Value
Water Level (ft msl)
130
125
120
115
110
105
100
95
90
85
80
75
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 3
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Below Screen
Suspect Value
Hydrograph for Station TBG 4
Water Level (ft msl)
130
125
120
115
110
105
100
95
90
85
80
75
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
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Jan-2012
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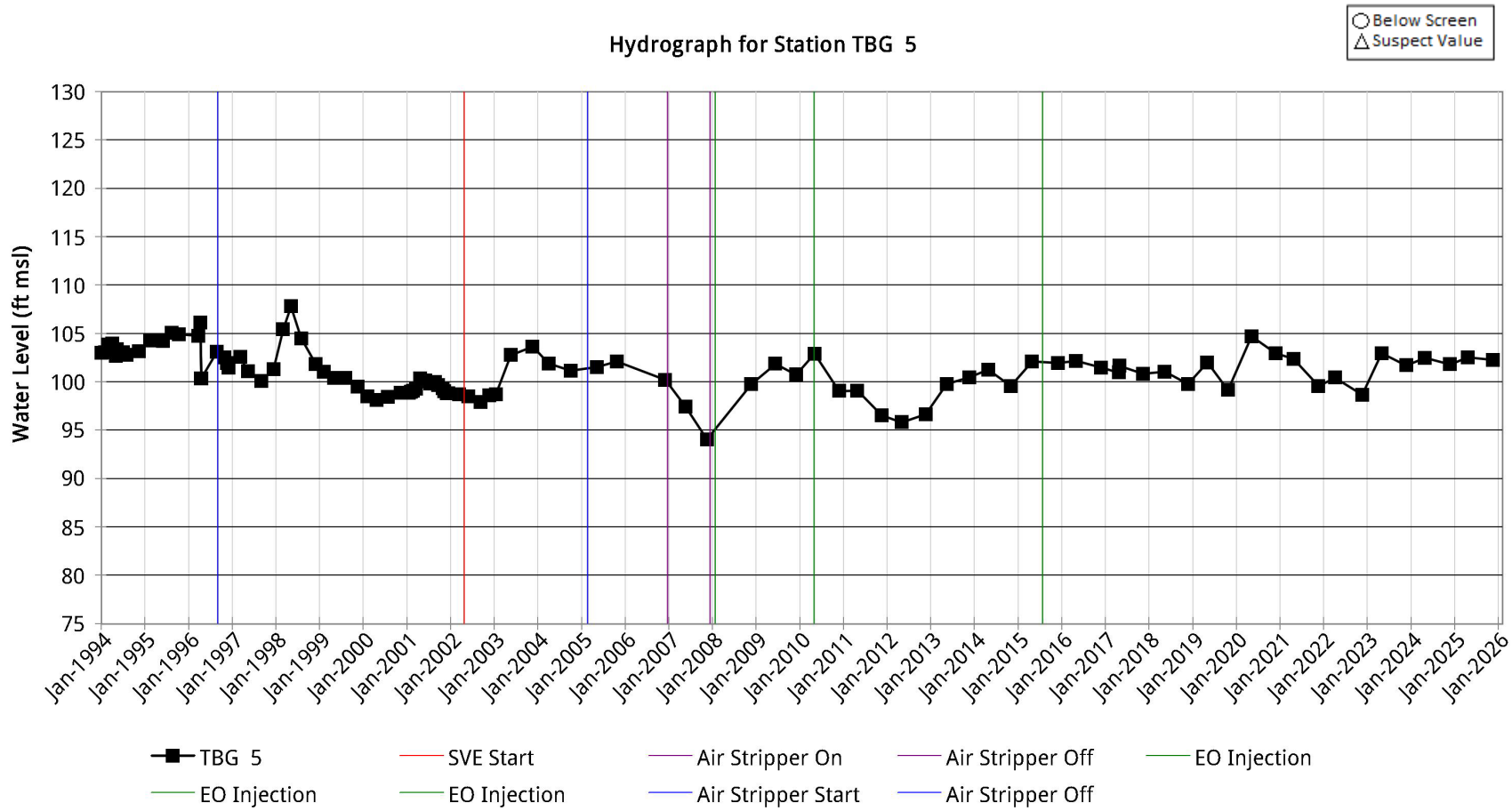
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 4
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TBG 5
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Suspect Value
Water Level (ft msl)
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115
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105
100
95
90
85
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Jan-1994
Jan-1995
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Jan-1997
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Jan-1999
Jan-2000
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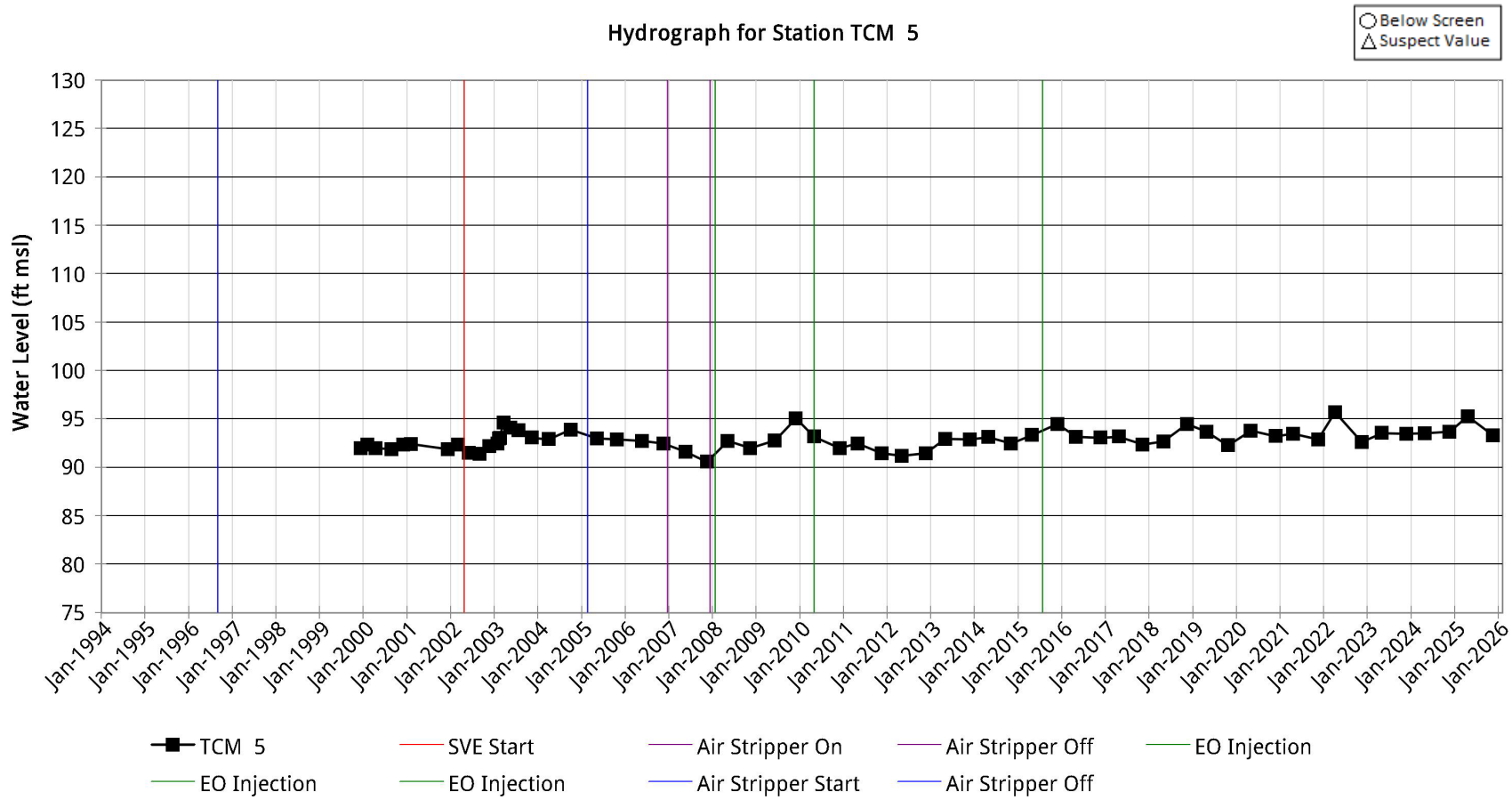
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 5
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TCM 5
Below Screen
Suspect Value
Water Level (ft msl)
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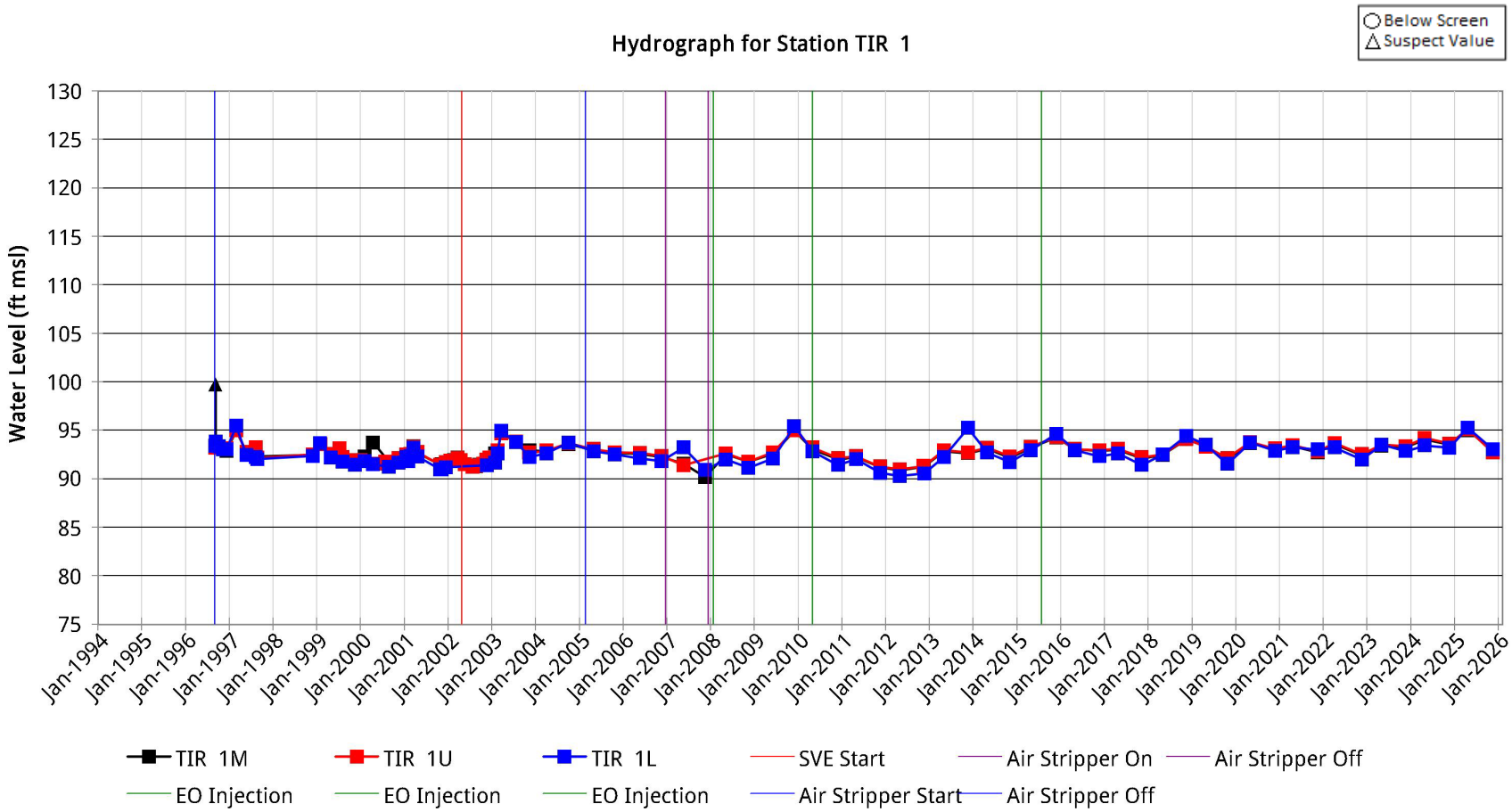
125
120
115
110
105
100
95
90
85
80
75
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TCM 5
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TIR 1
Below Screen
Suspect Value
Water Level (ft msl)
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125
120
115
110
105
100
95
90
85
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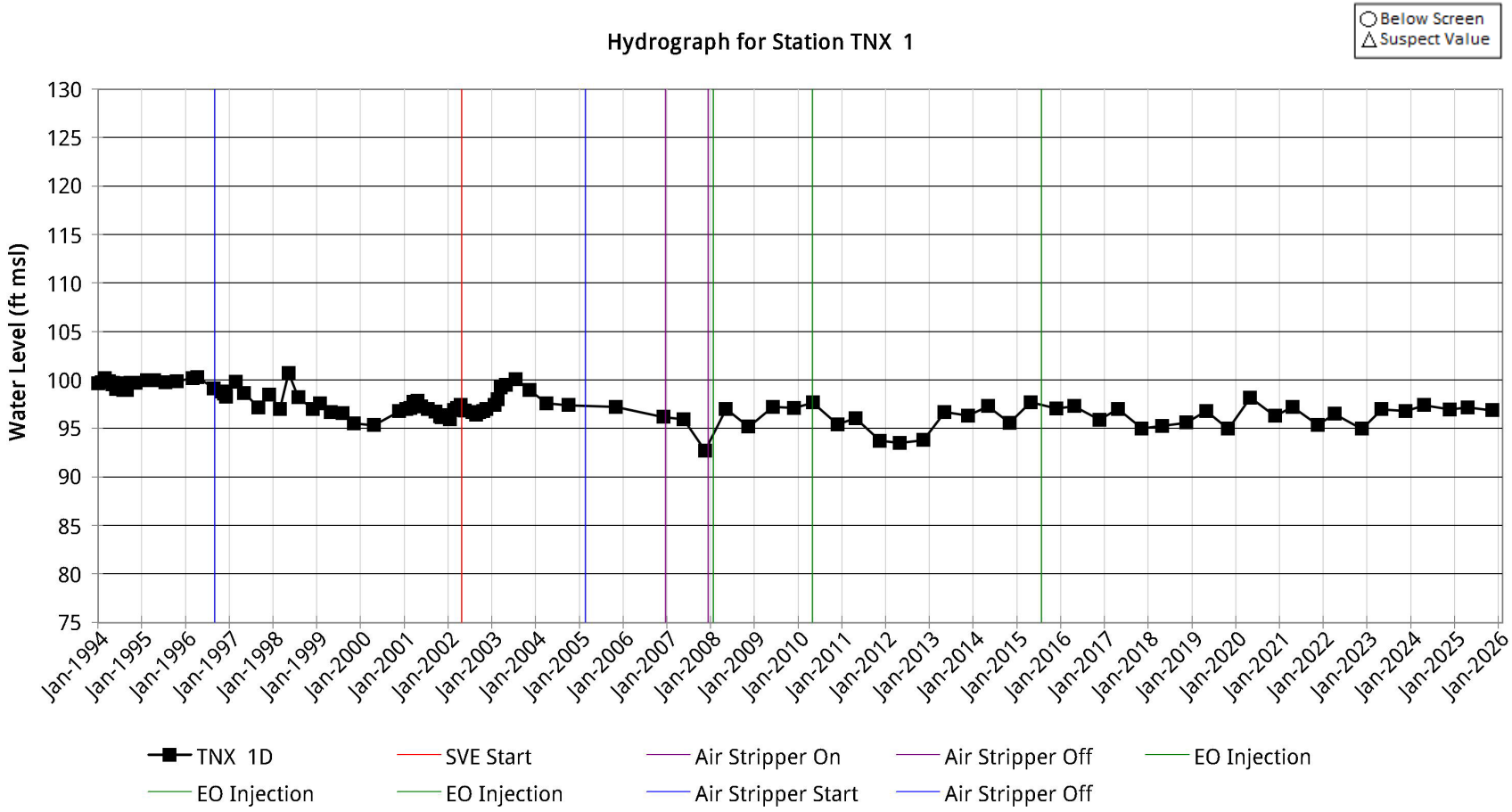
75
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TIR 1M
TIR 1U
TIR 1L
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 1
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Suspect Value
Water Level (ft msl)
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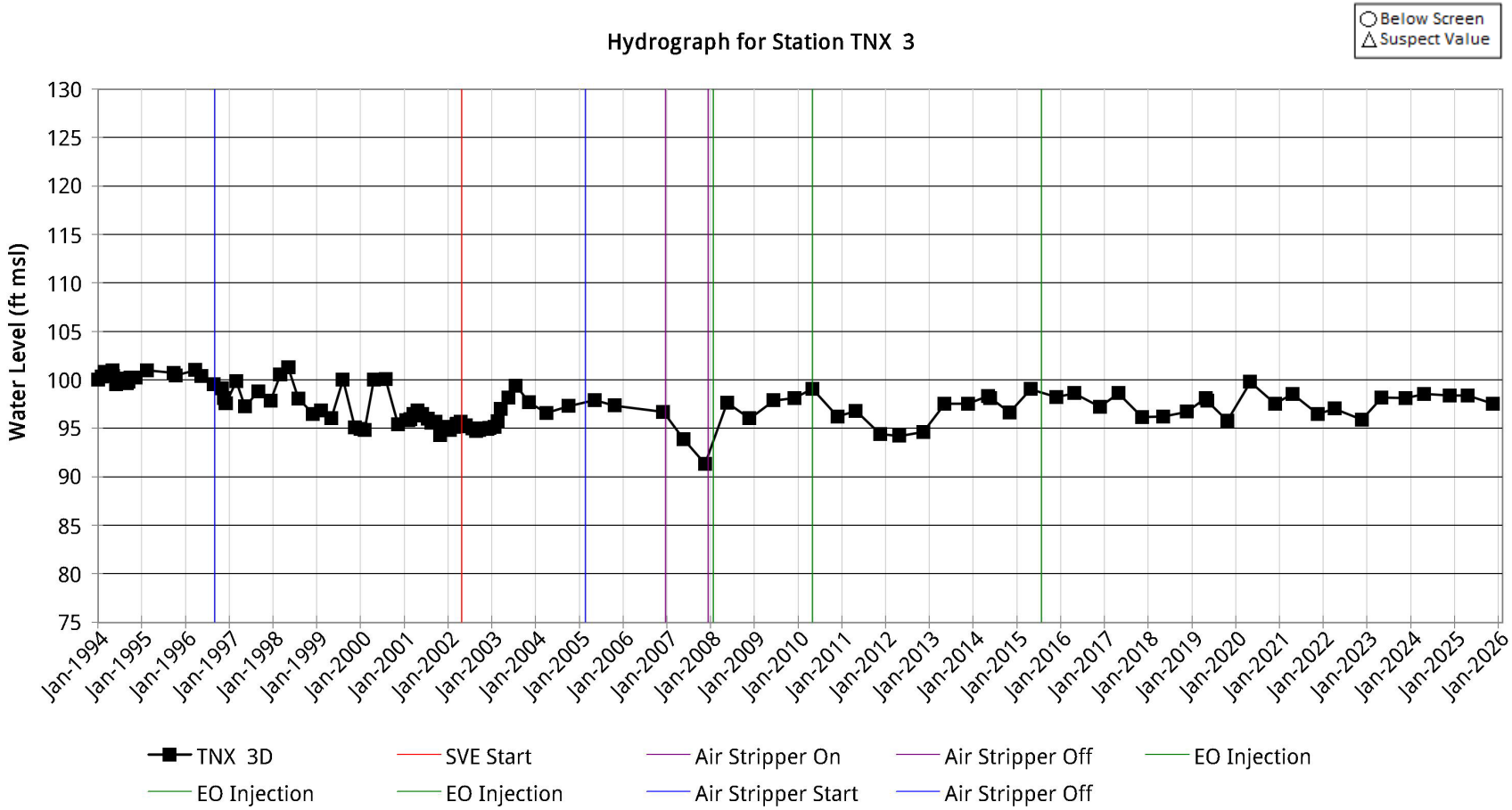
TNX 1D
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 3
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Suspect Value
Water Level (ft msl)
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TNX 3D
SVE Start
Air Stripper On
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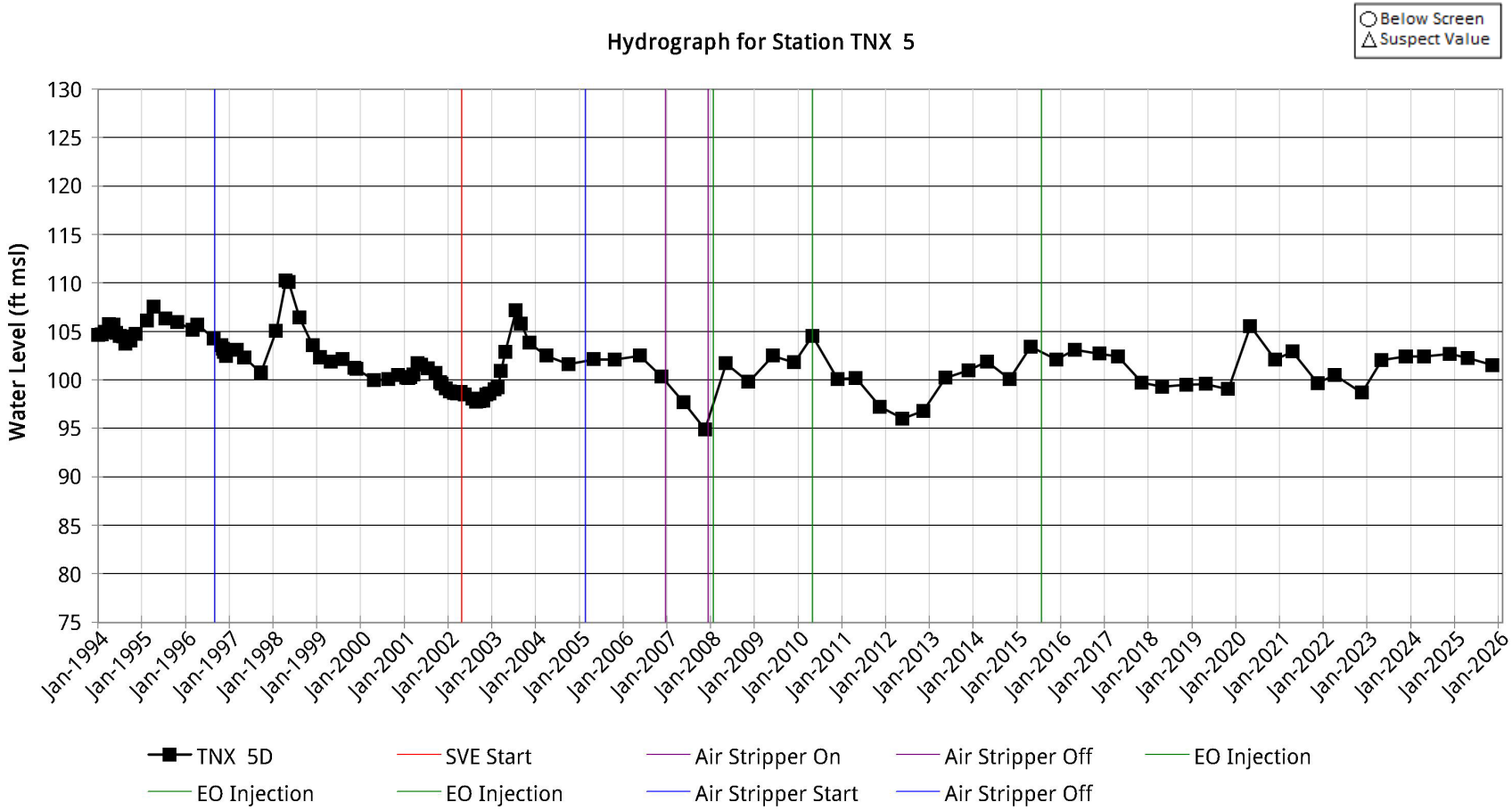
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 5
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TNX 5D
SVE Start
Air Stripper On
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EO Injection
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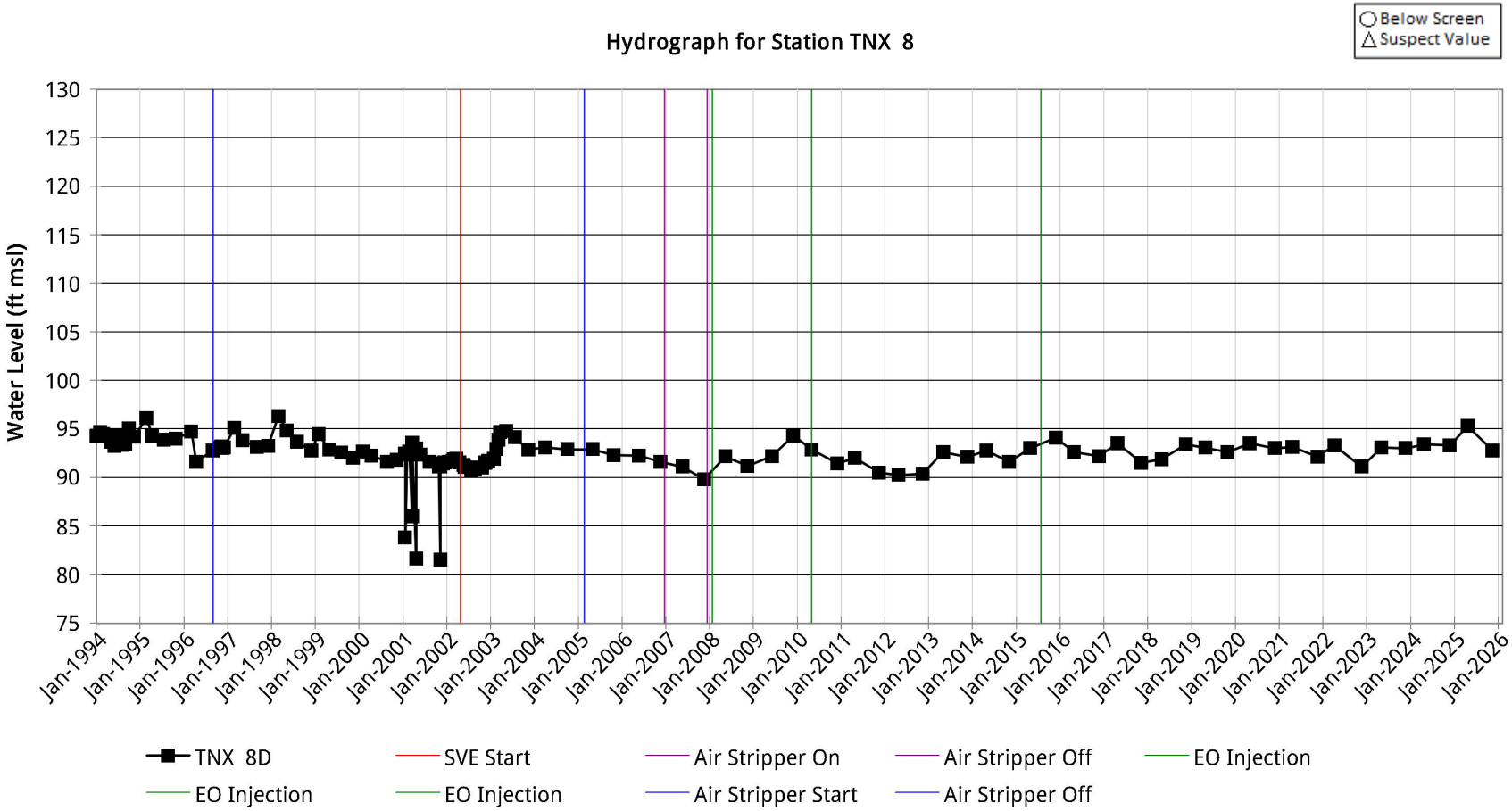
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 8
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Water Level (ft msl)
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TNX 8D
SVE Start
Air Stripper On
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EO Injection
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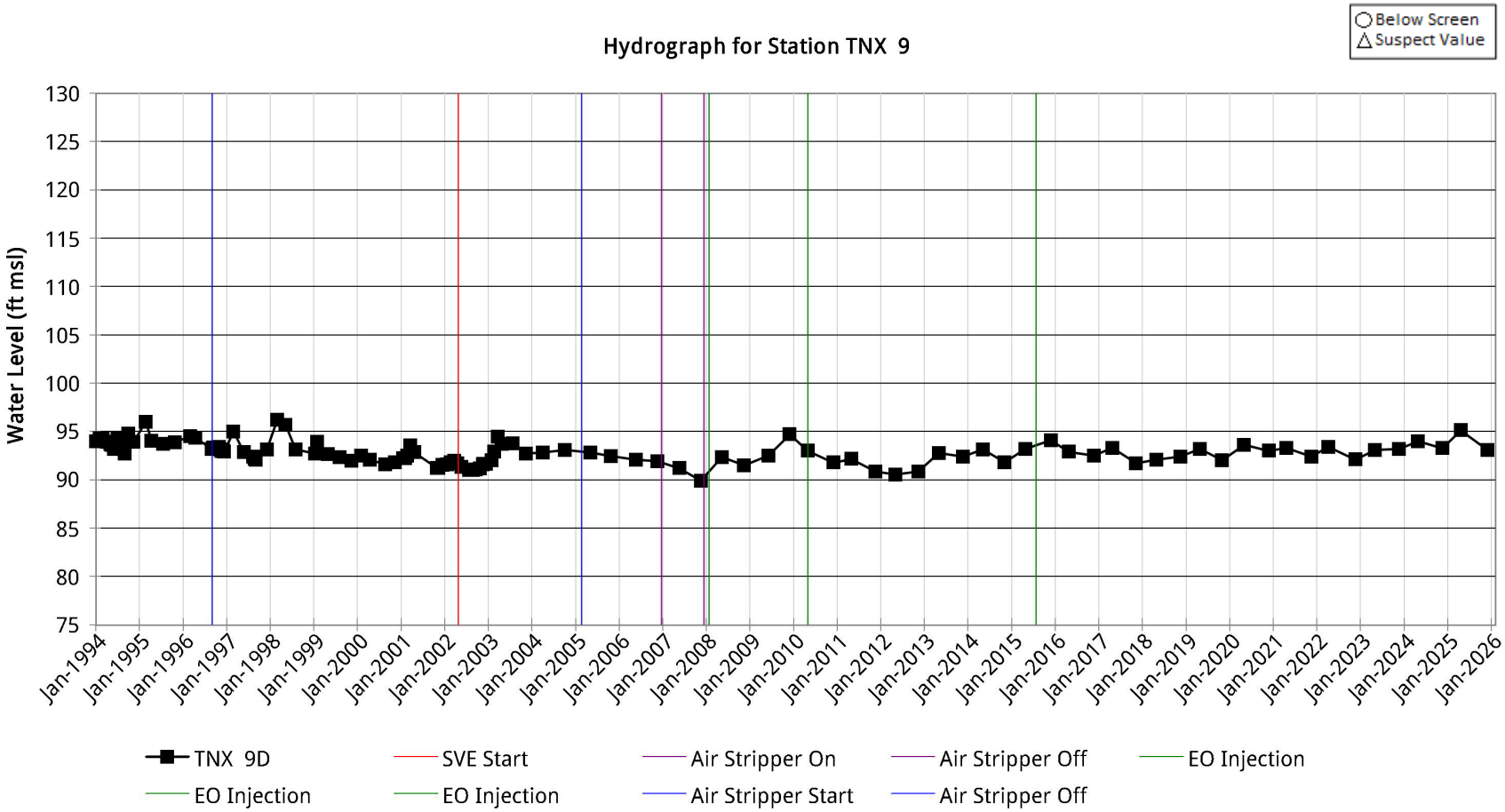
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 9
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Suspect Value
Water Level (ft msl)
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TNX 9D
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
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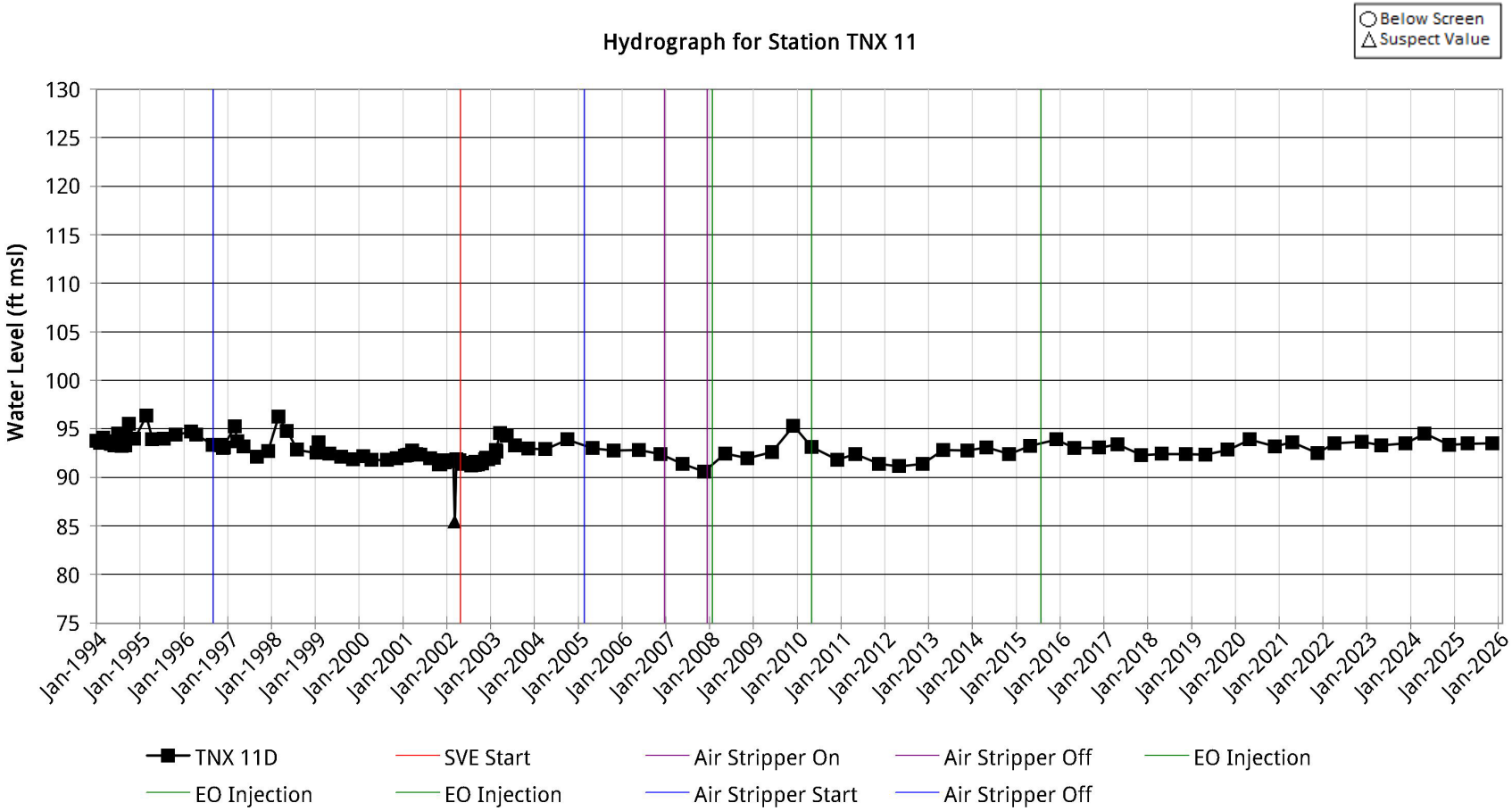
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 11
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Suspect Value
Water Level (ft msl)
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TNX 11D
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
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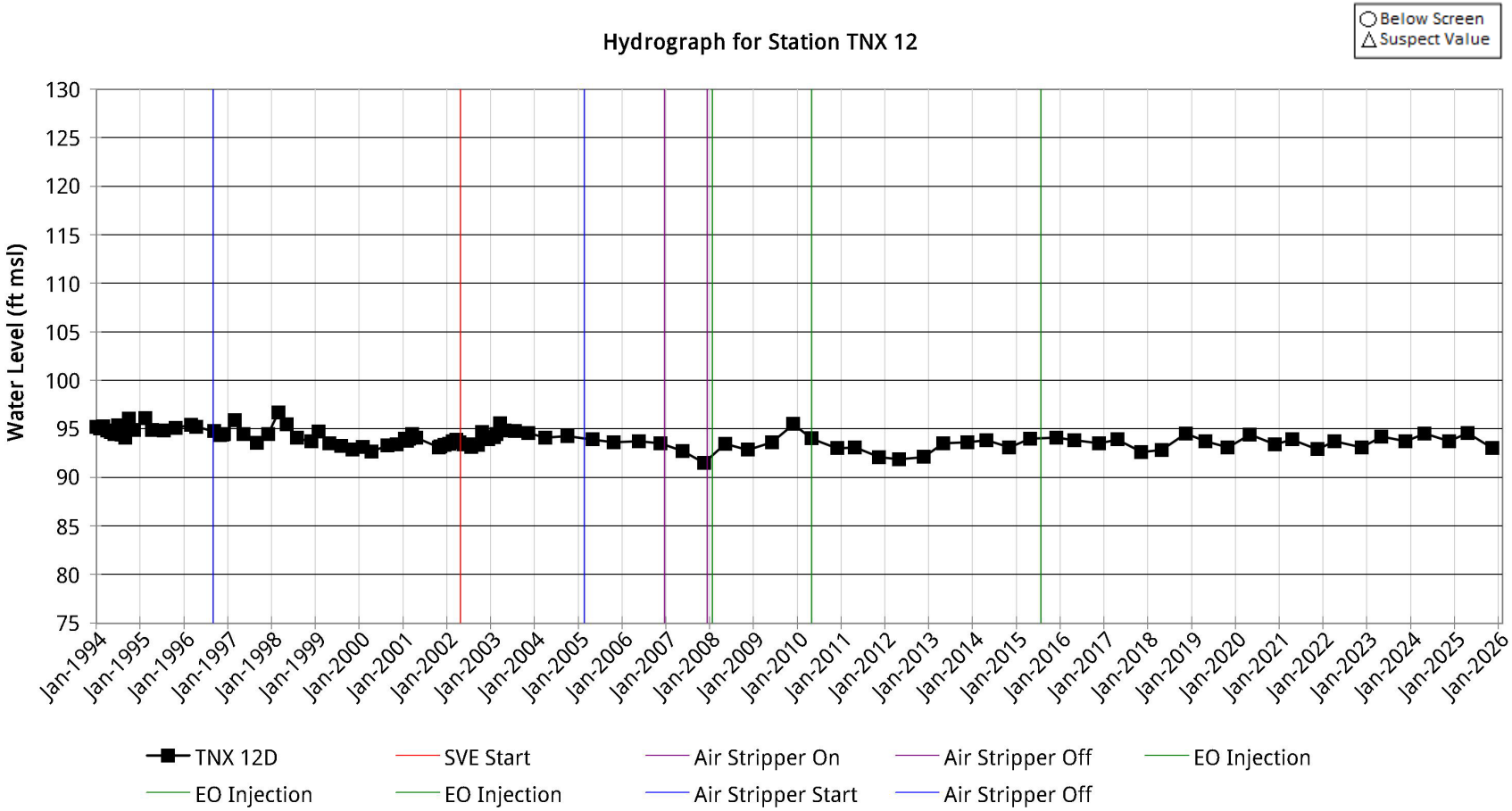
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 12
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Suspect Value
Water Level (ft msl)
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TNX 12D
SVE Start
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EO Injection
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EO Injection
Air Stripper Start
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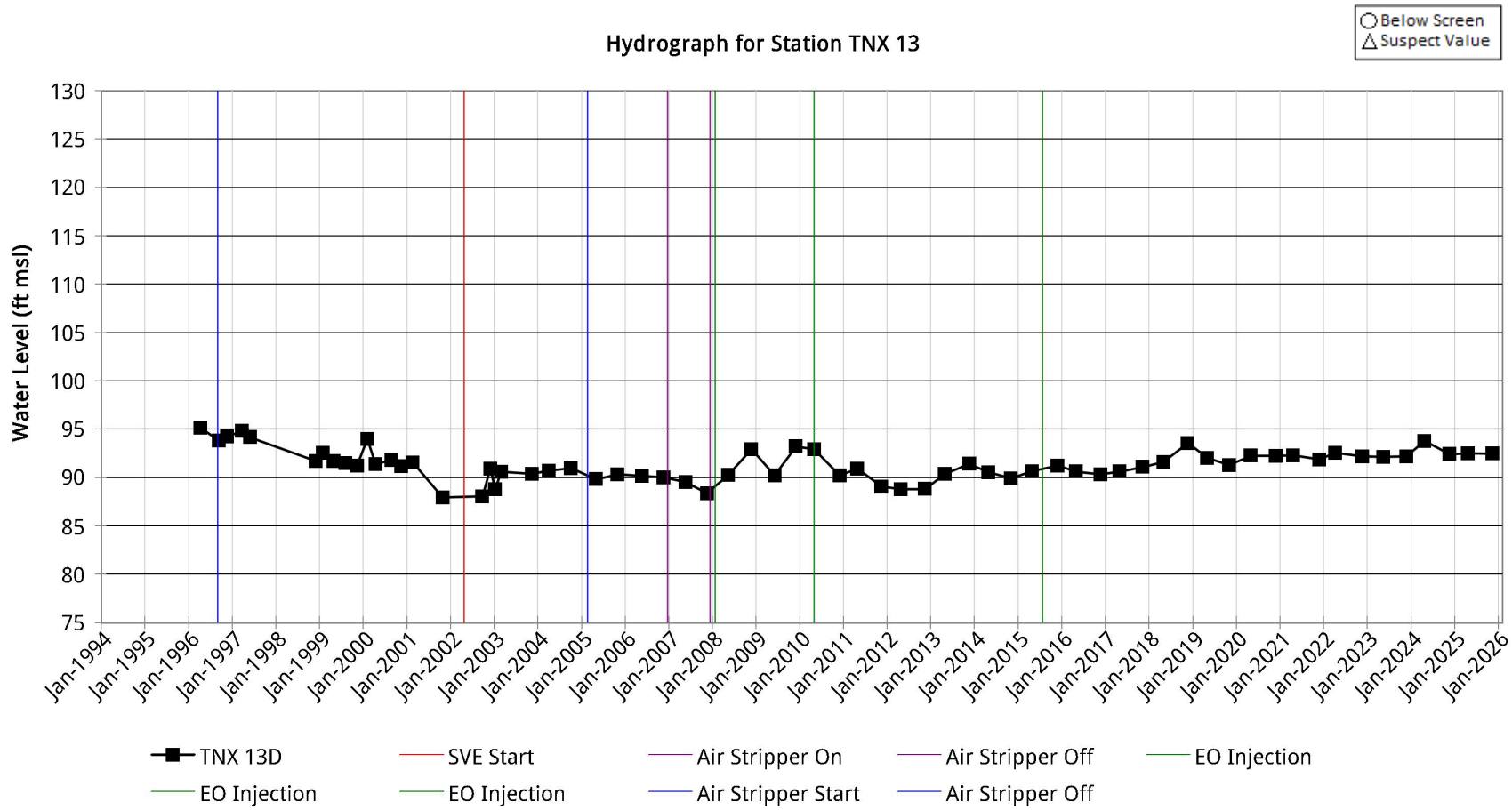
Hydrograph for Station TNX 13
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Suspect Value
Water Level (ft msl)
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TNX 13D
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
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EO Injection
Air Stripper Start
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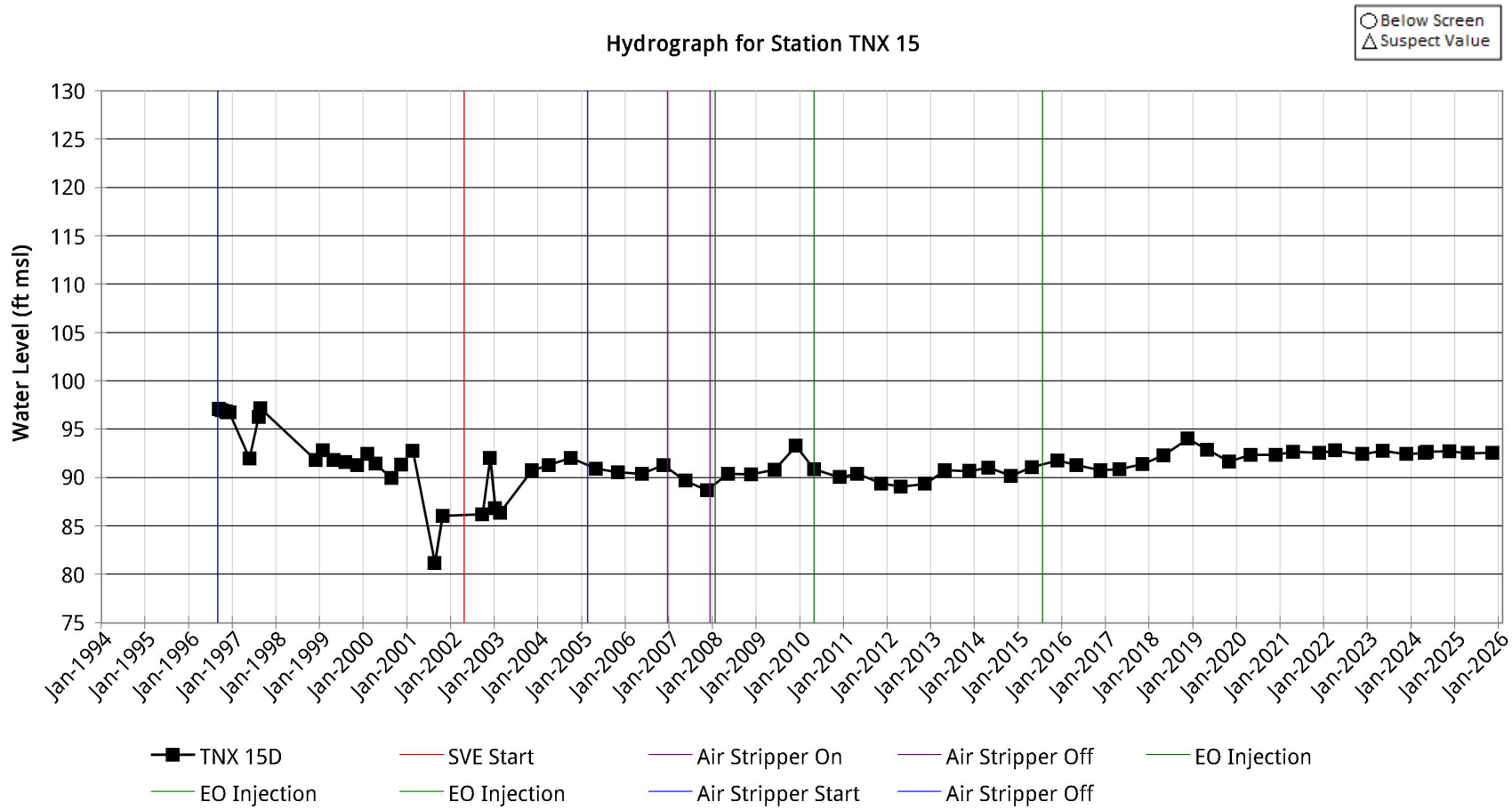
Hydrograph for Station TNX 15
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Suspect Value
Water Level (ft msl)
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TNX 15D
SVE Start
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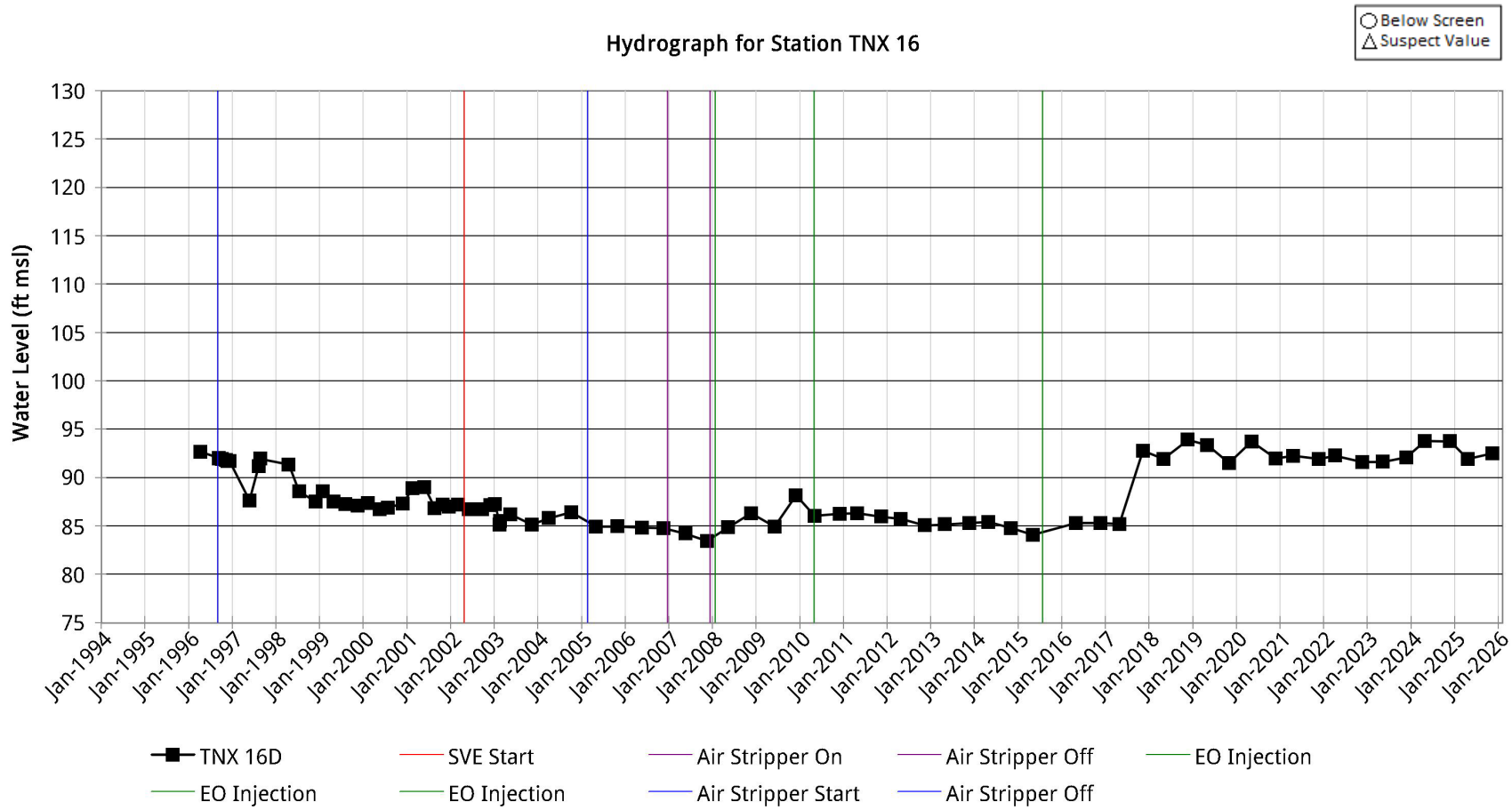
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 16
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Suspect Value
Water Level (ft msl)
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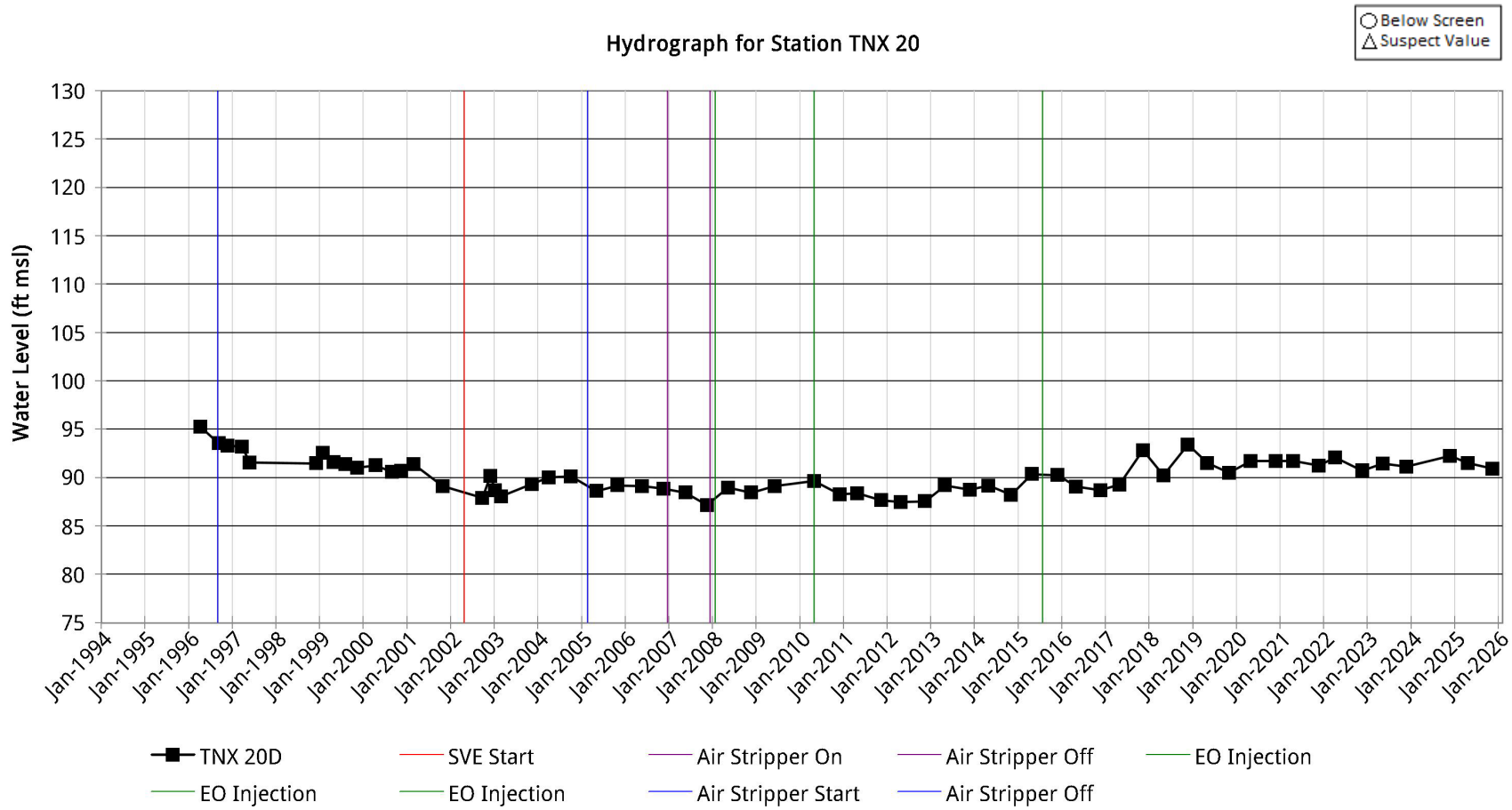
TNX 16D
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 20
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Suspect Value
Water Level (ft msl)
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TNX 20D
SVE Start
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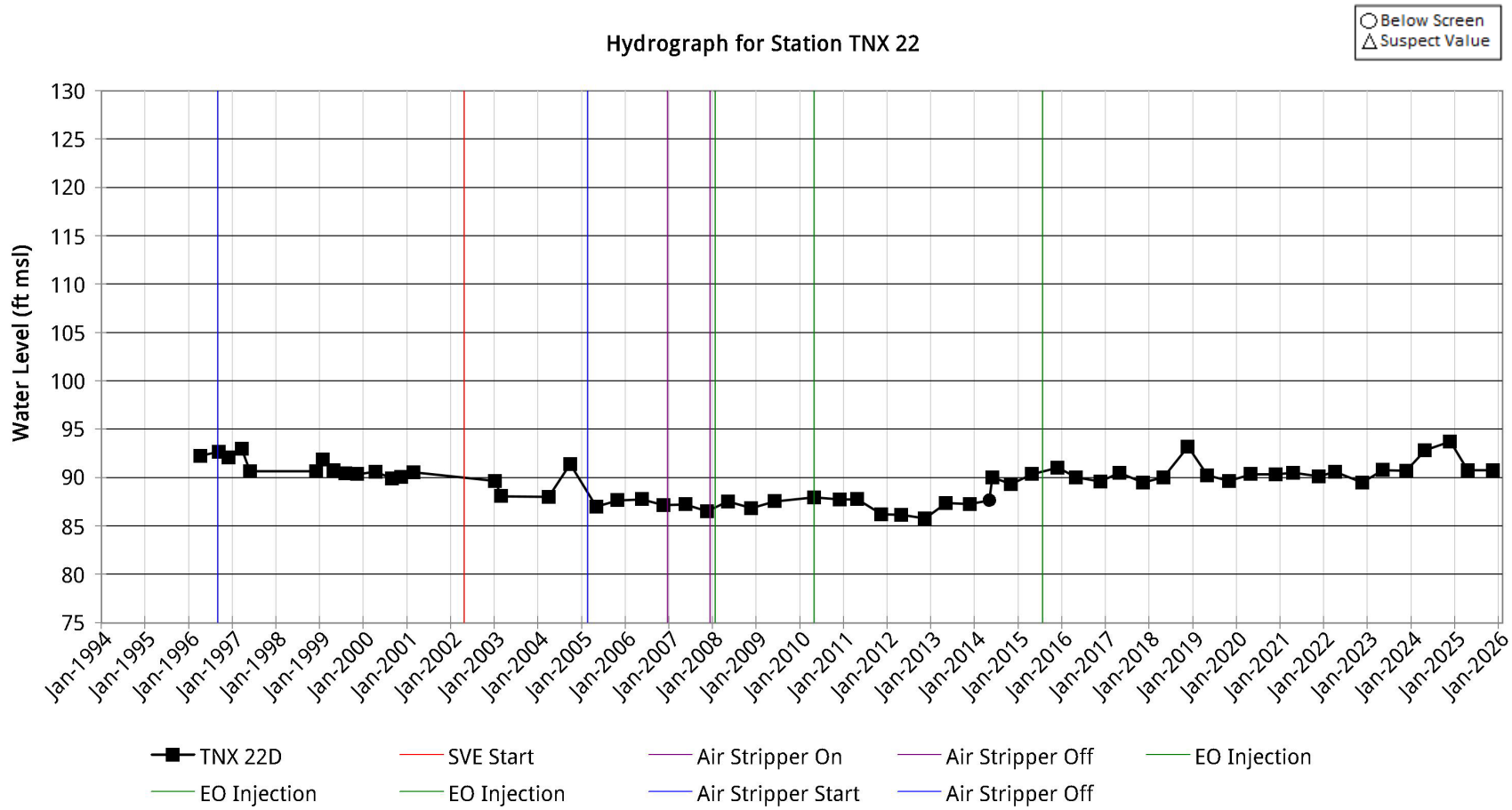
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 22
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Suspect Value
Water Level (ft msl)
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TNX 22D
SVE Start
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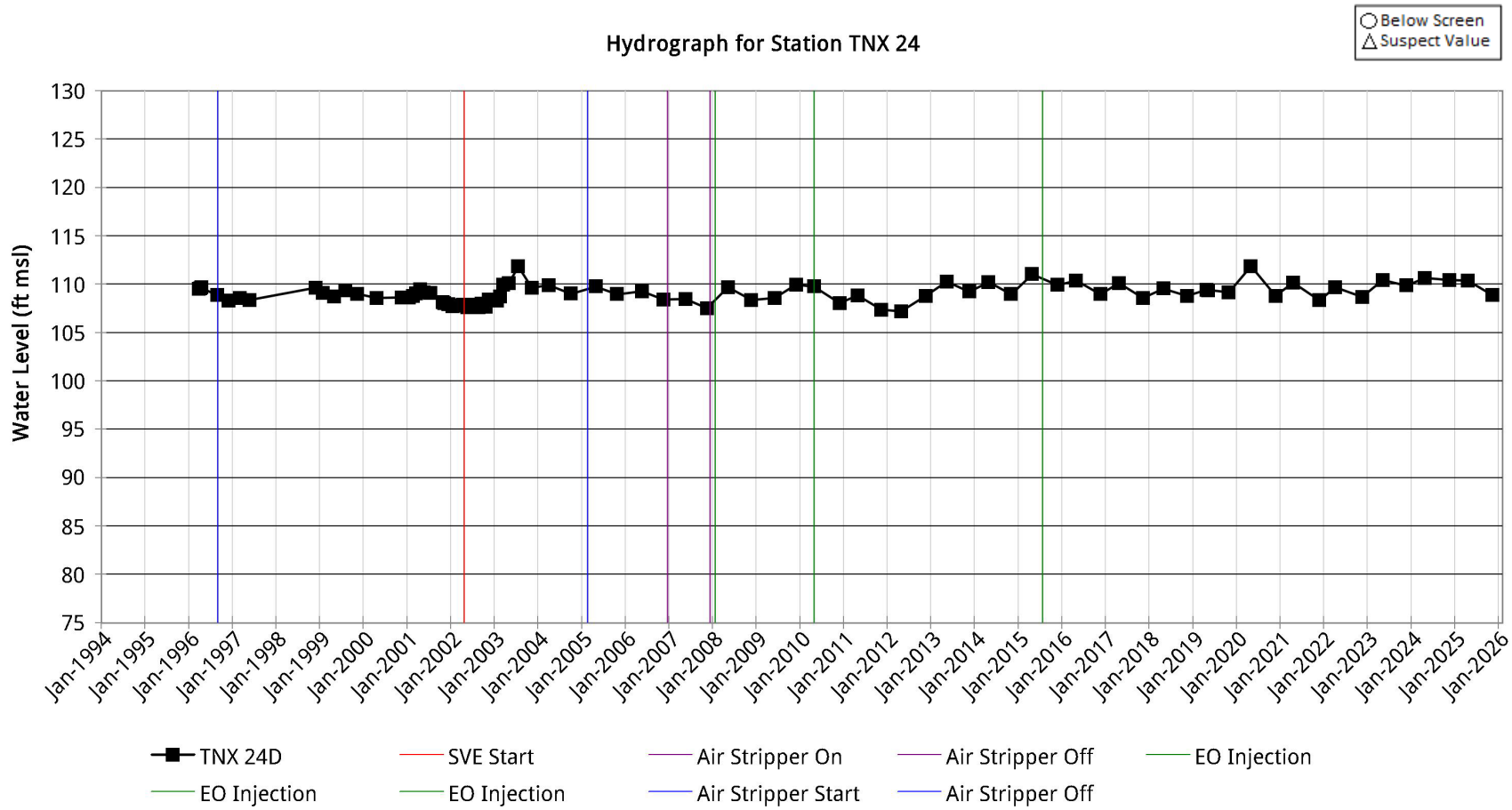
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 24
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Suspect Value
Water Level (ft msl)
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TNX 24D
SVE Start
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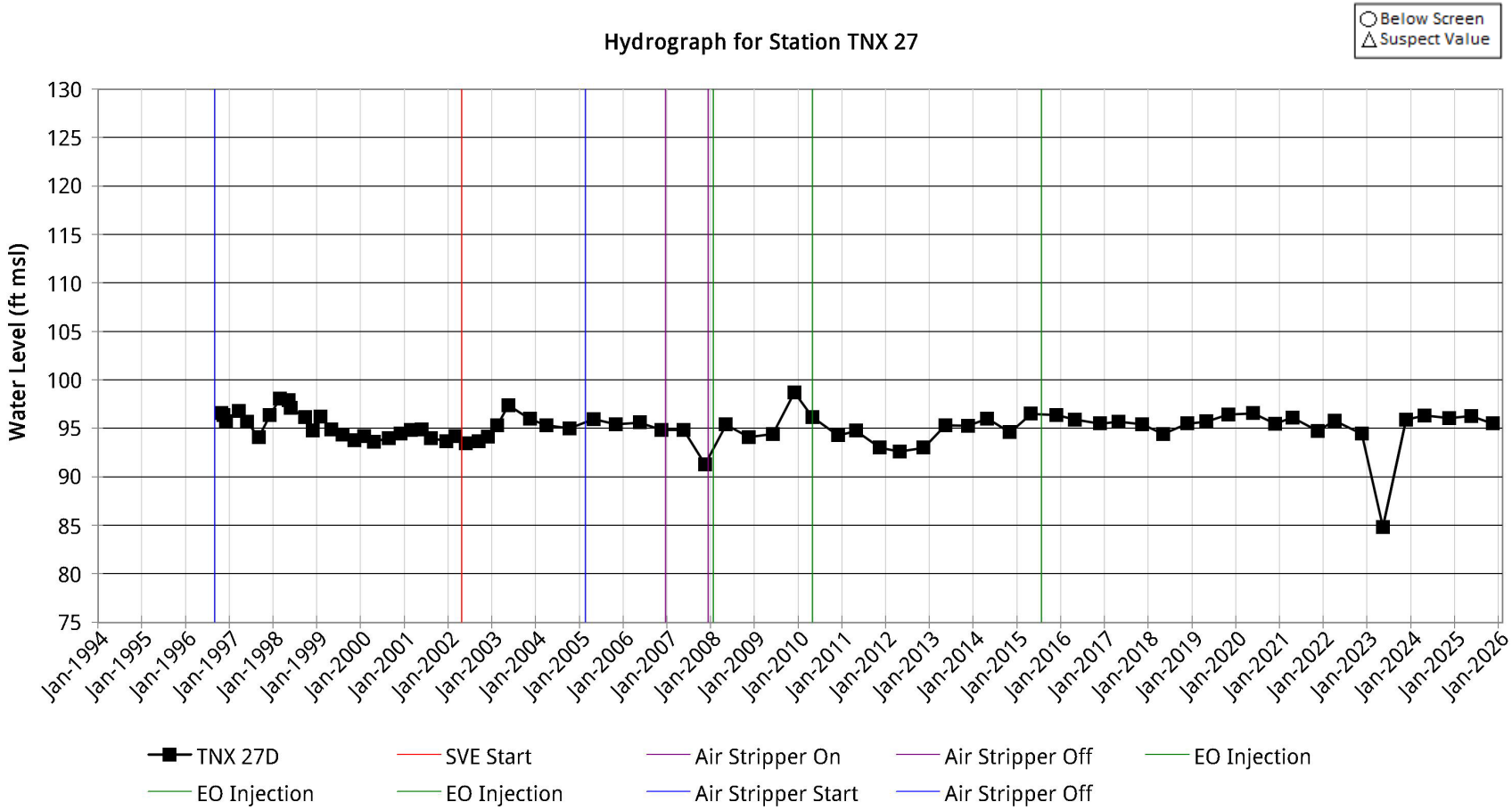
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 27
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Water Level (ft msl)
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TNX 27D
SVE Start
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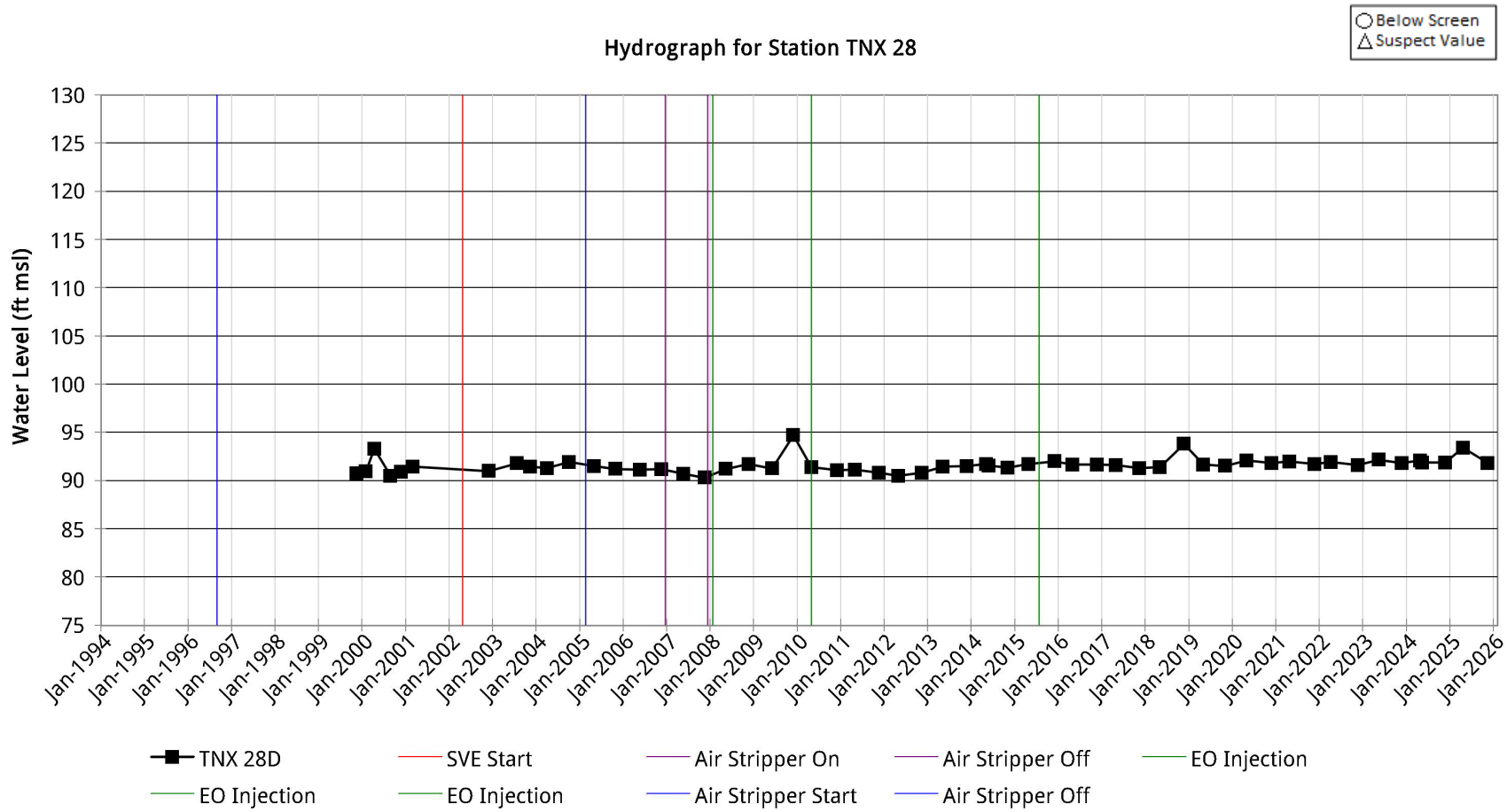
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 28
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Suspect Value
Water Level (ft msl)
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TNX 28D
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
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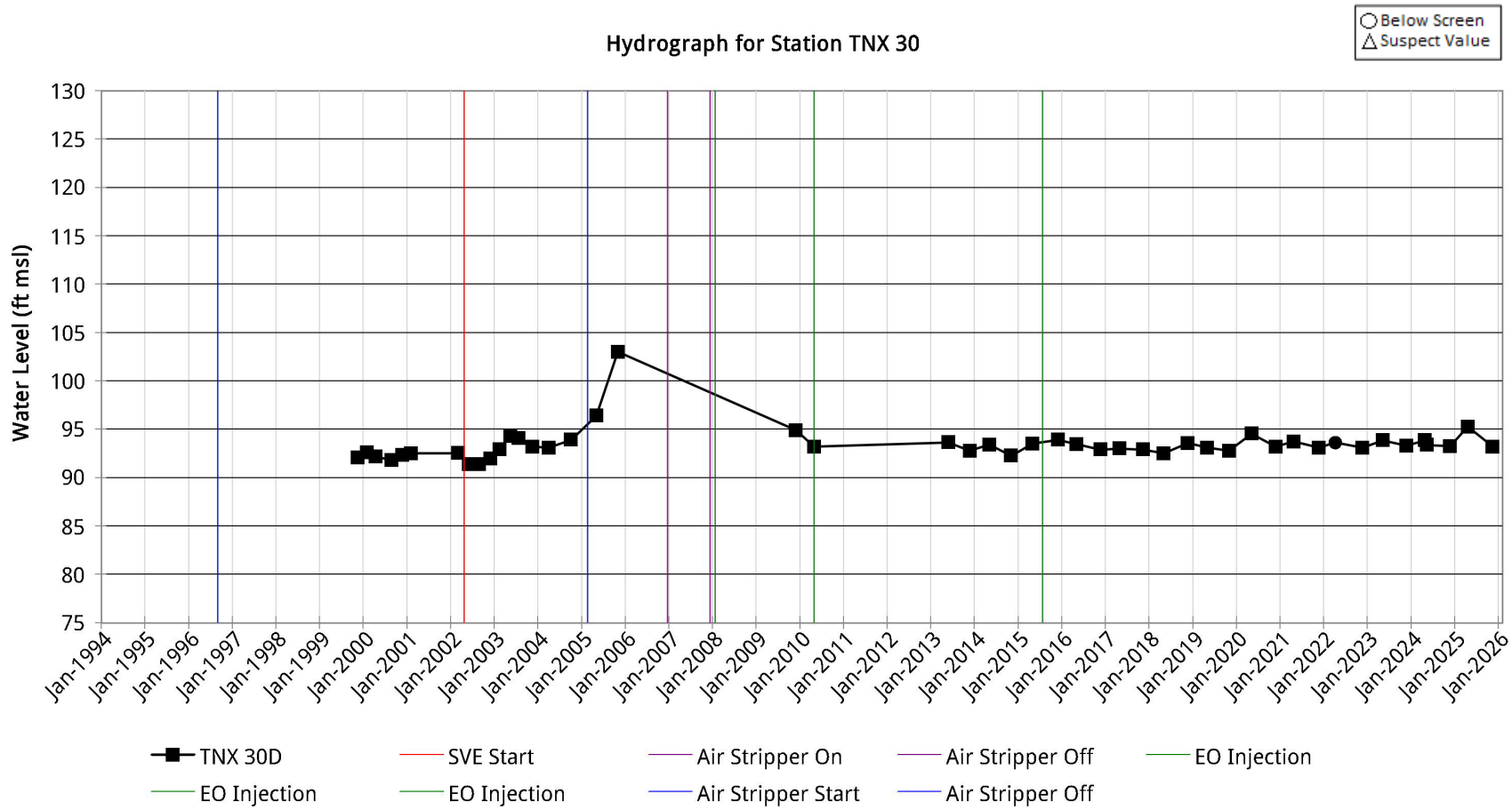
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 30
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Suspect Value
Water Level (ft msl)
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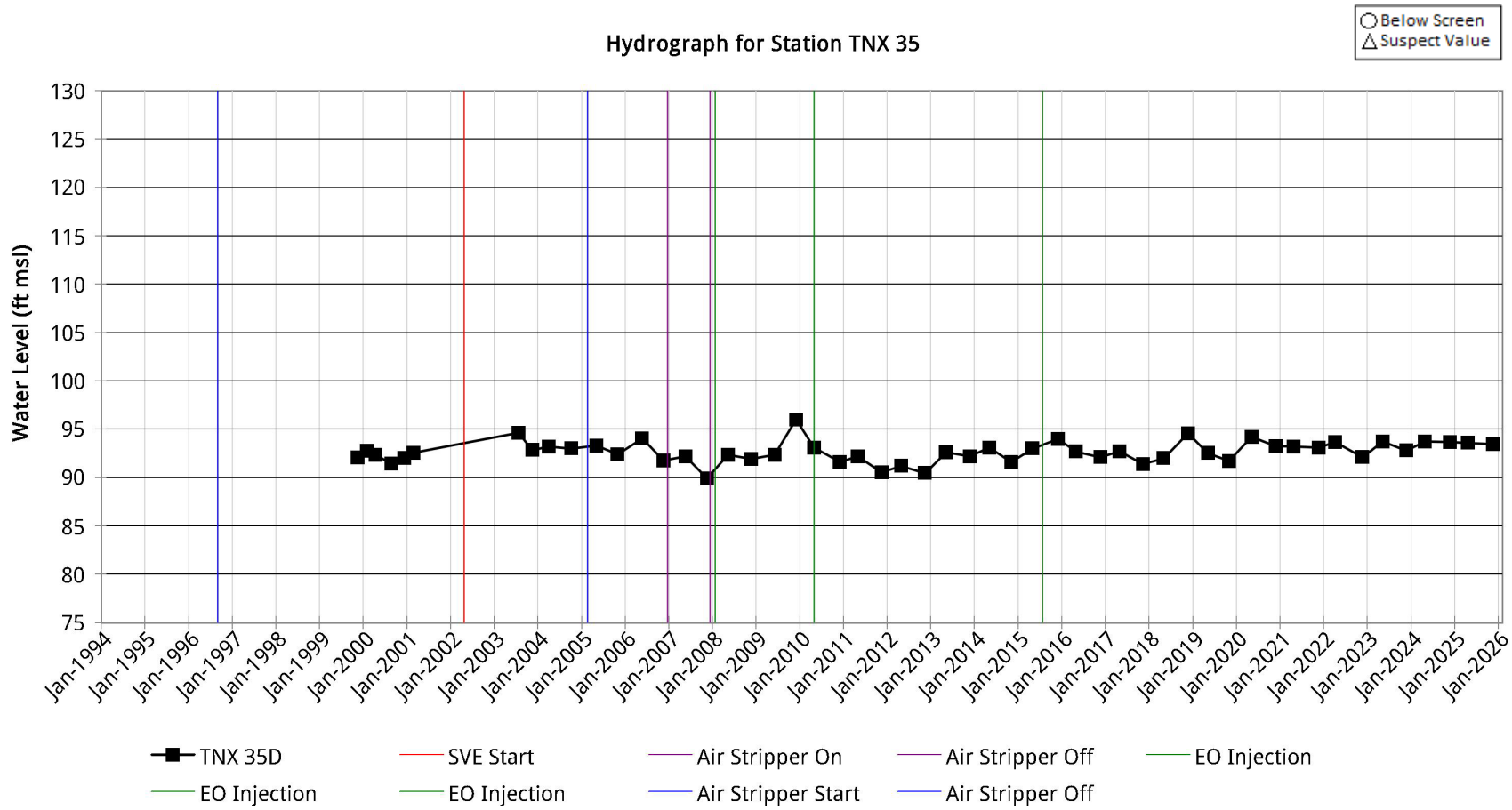
TNX 30D
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 35
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Suspect Value
Water Level (ft msl)
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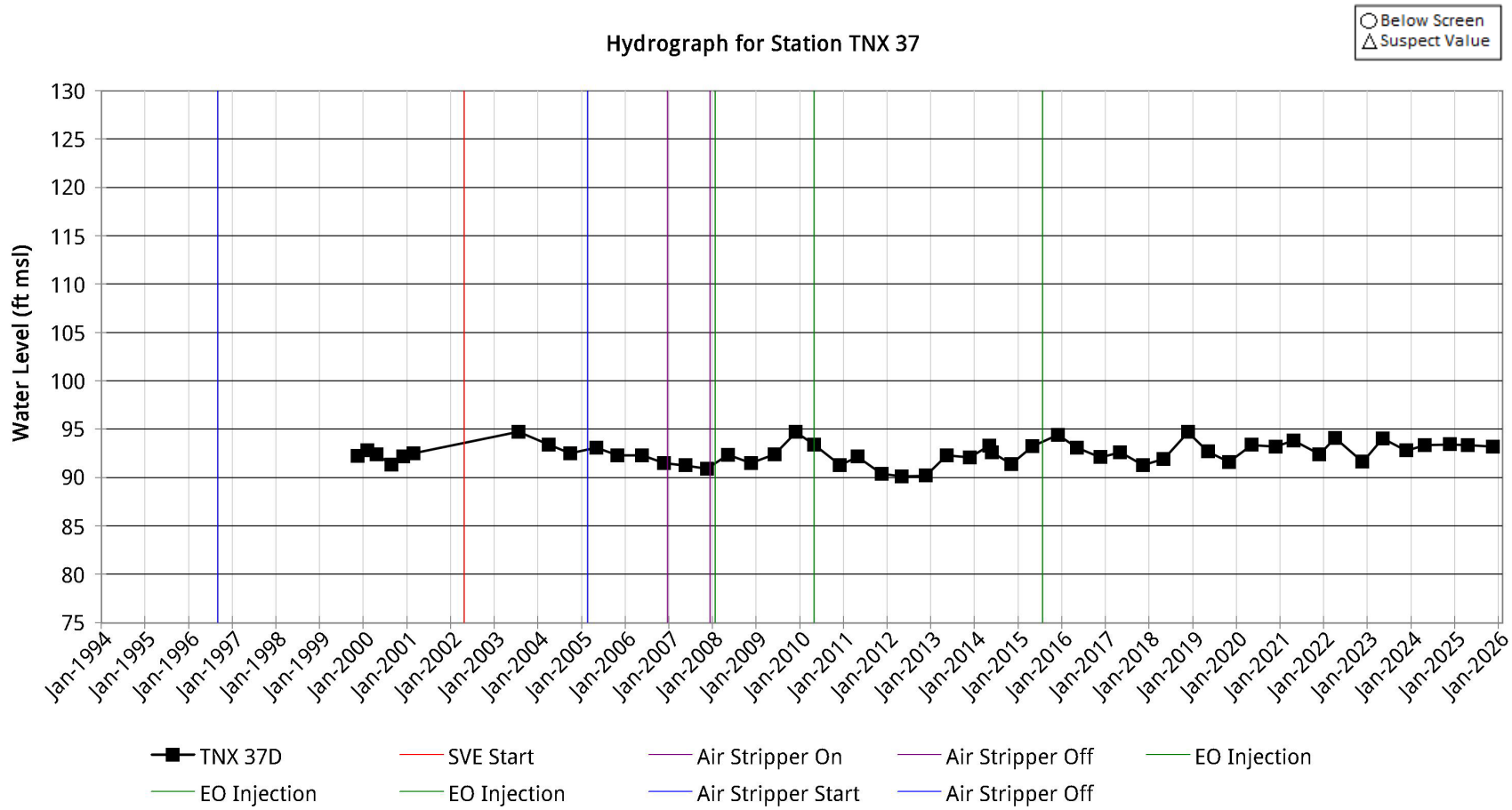
TNX 35D
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 37
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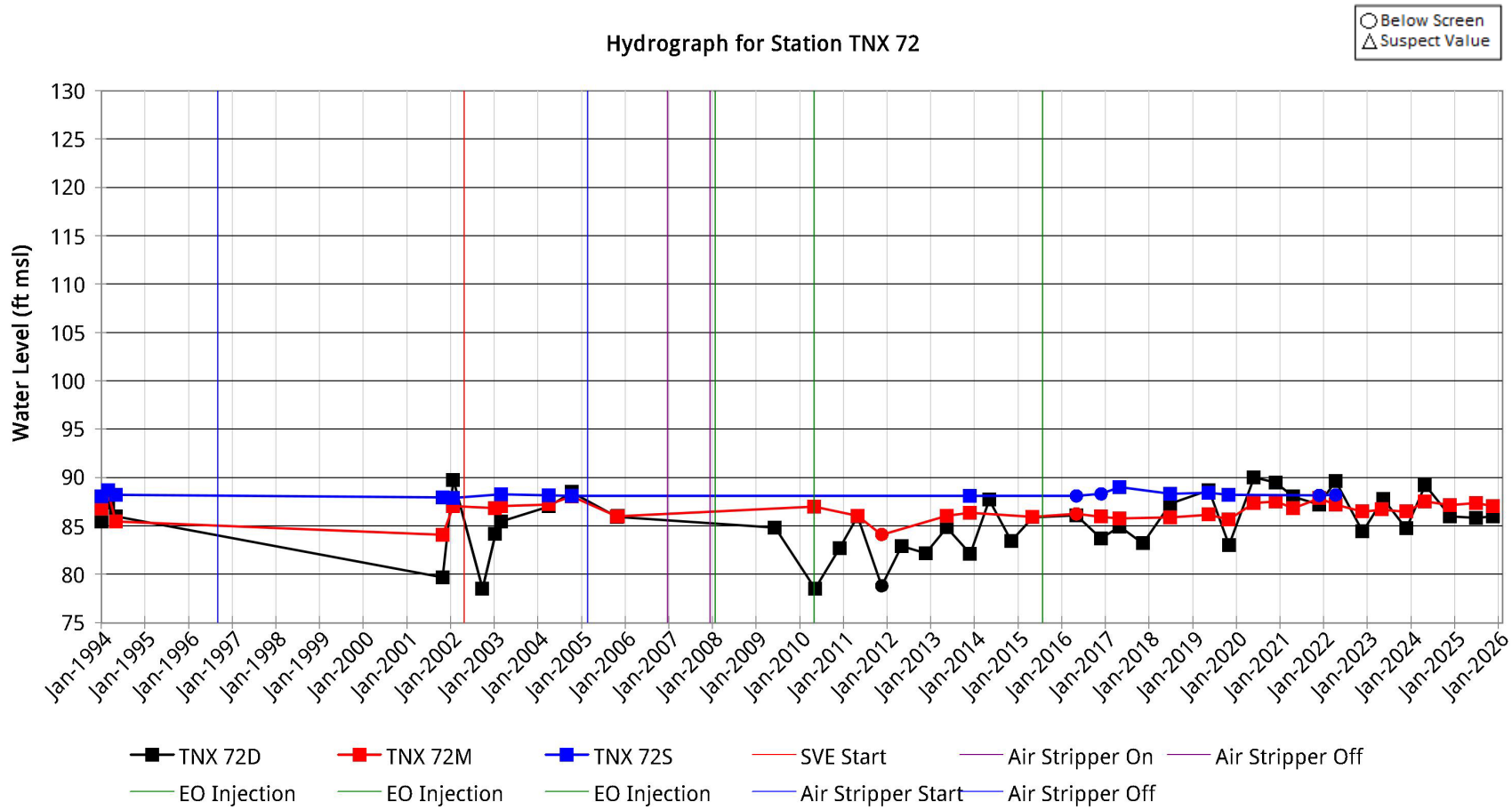
TNX 37D
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX 72
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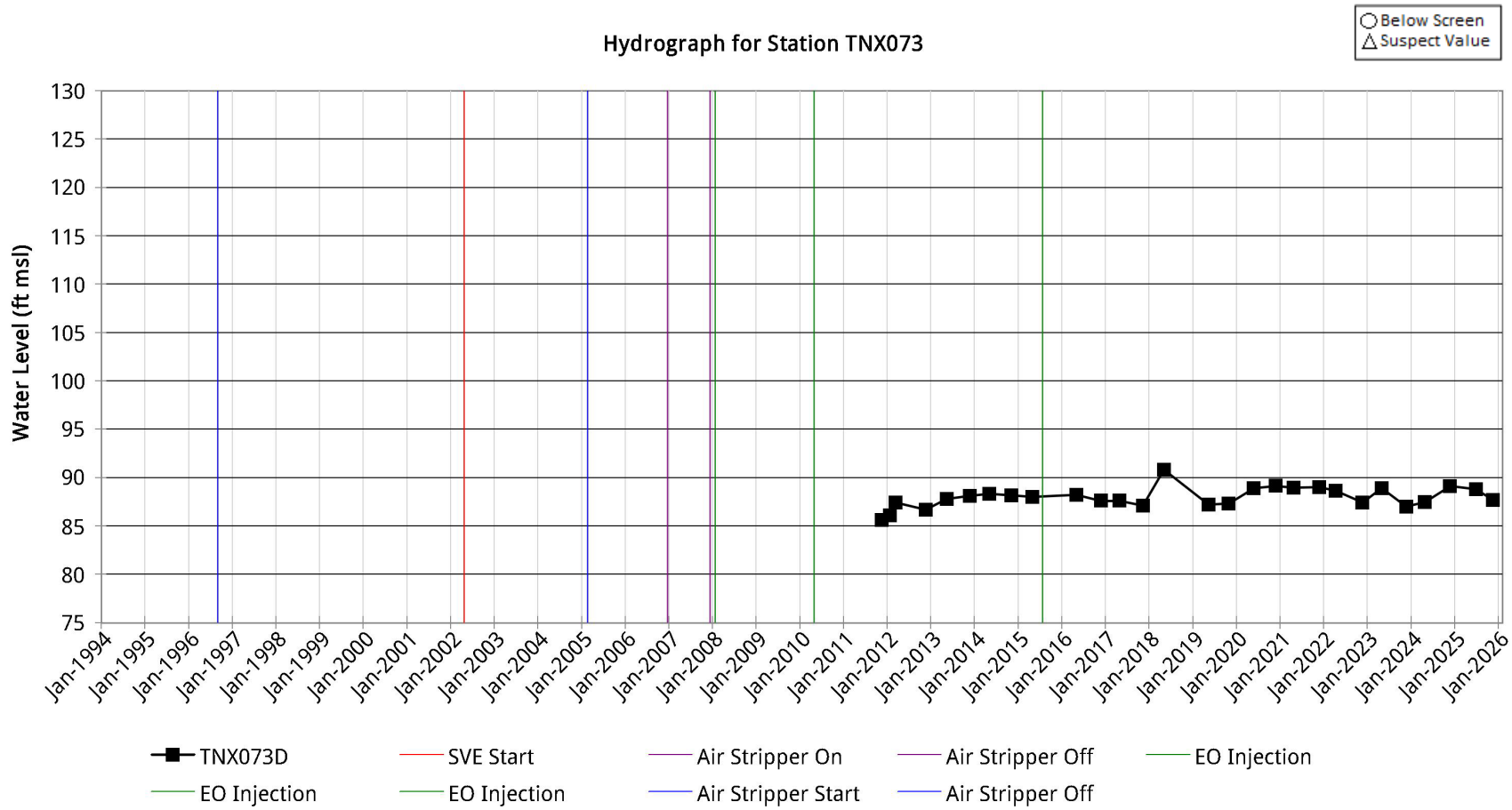
TNX 72D
TNX 72M
TNX 72S
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX073
Below Screen
Suspect Value
Water Level (ft msl)
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125
120
115
110
105
100
95
90
85
80
75
Jan-1994
Jan-1995
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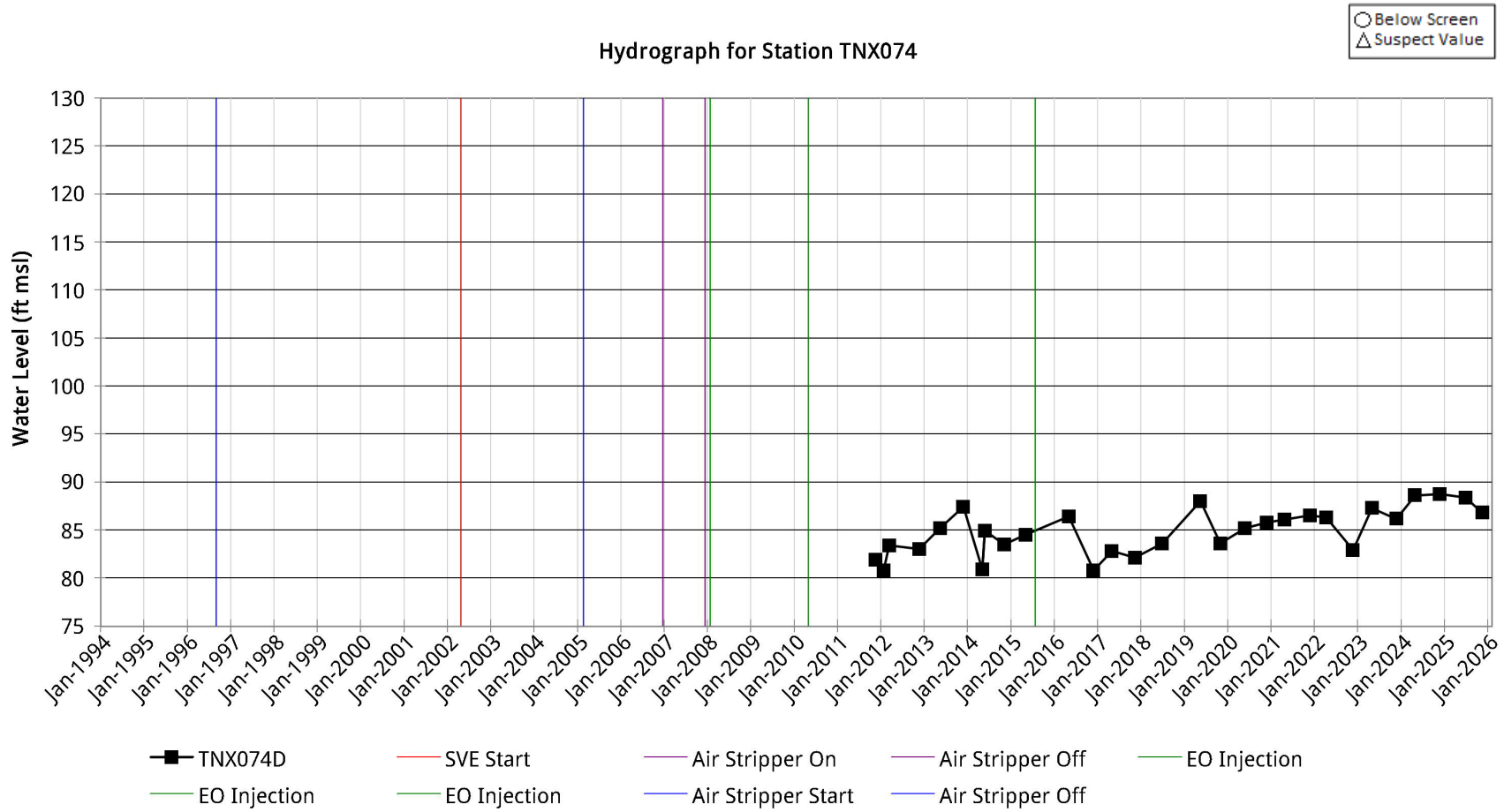
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX073D
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Below Screen
Suspect Value
Hydrograph for Station TNX074
Water Level (ft msl)
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125
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115
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95
90
85
80
75
Jan-1994
Jan-1995
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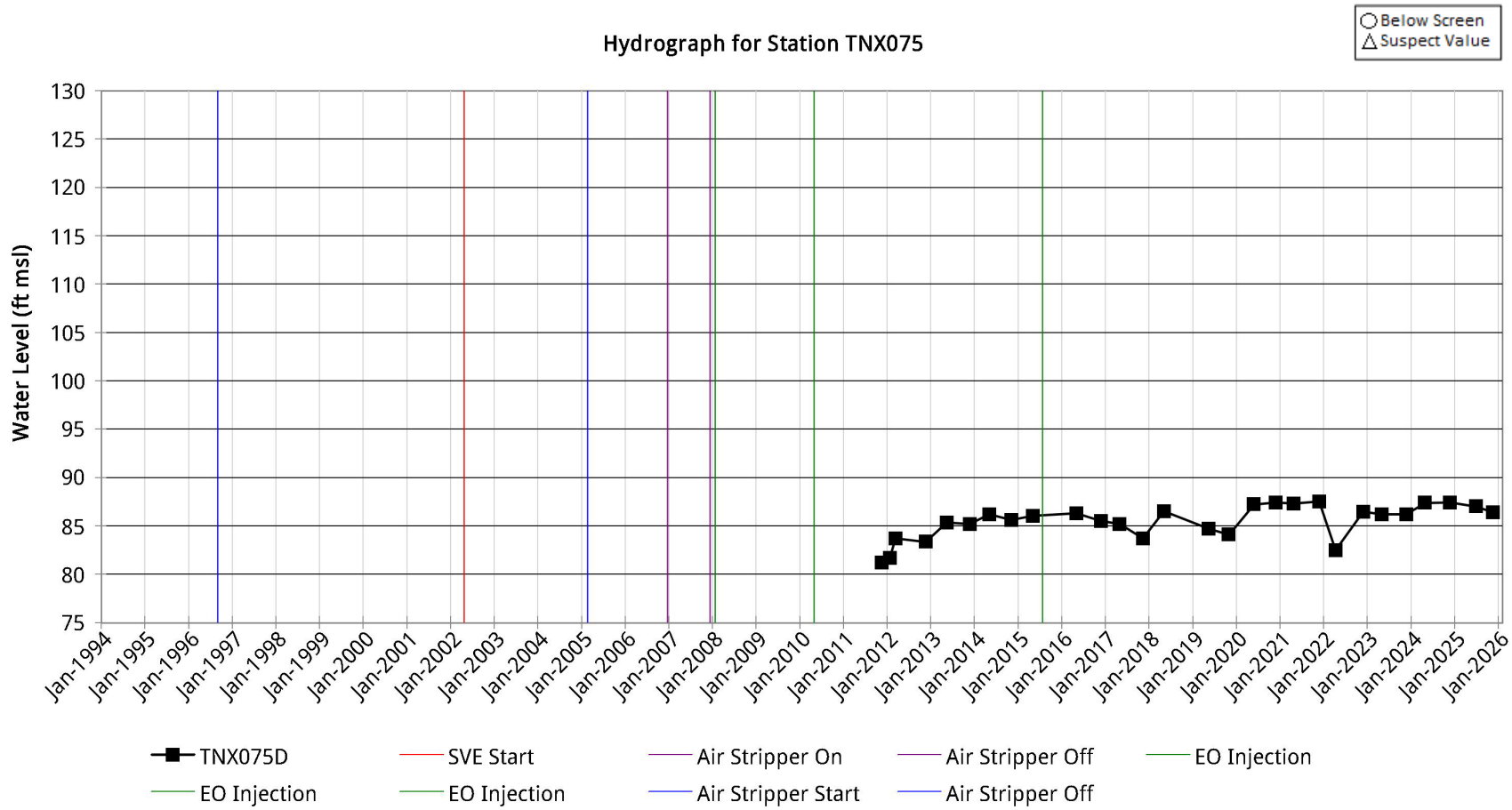
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX074D
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX075
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Suspect Value
Water Level (ft msl)
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115
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100
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90
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Jan-1994
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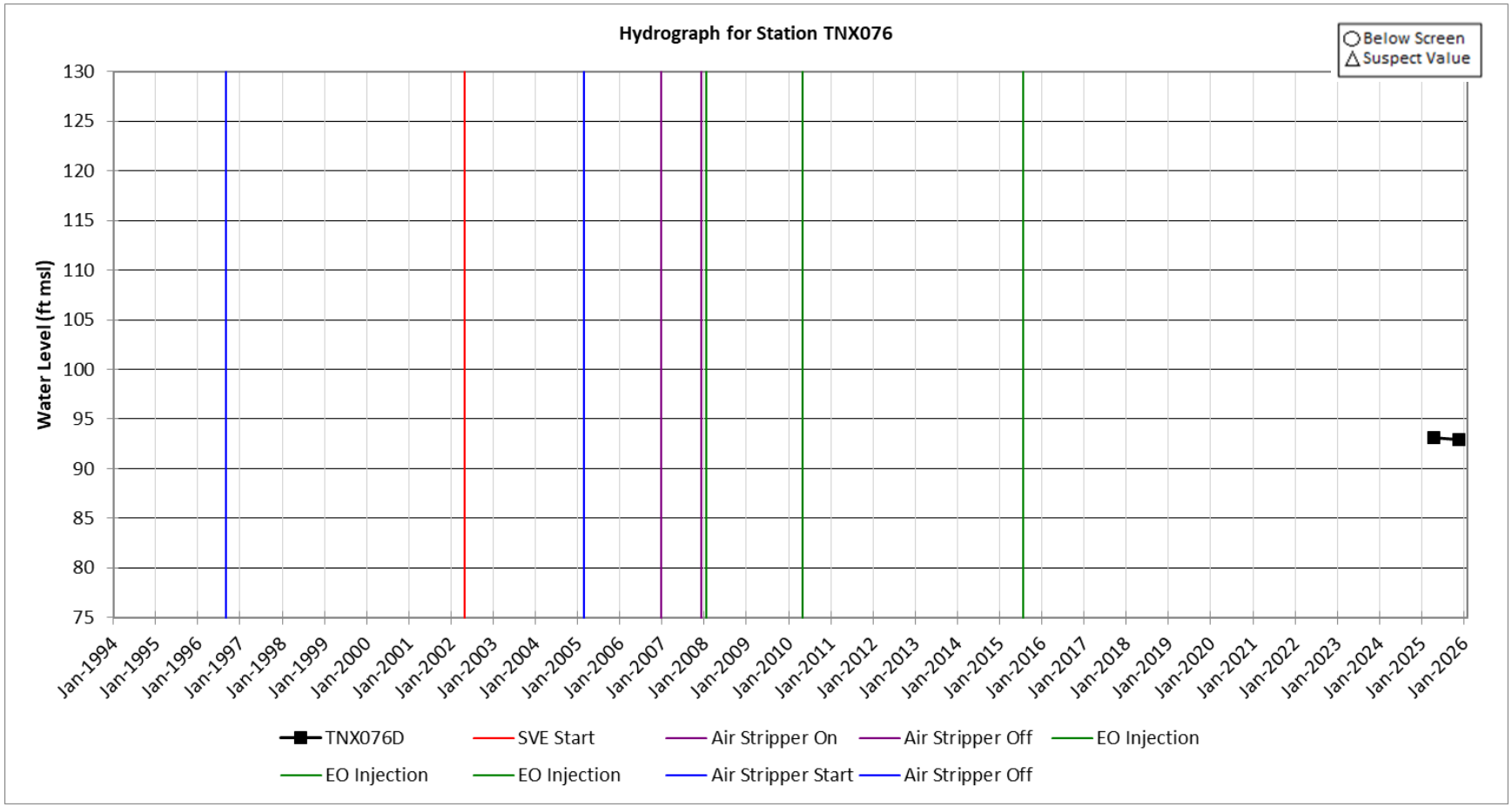
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX075D
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TNX076
Below Screen
Suspect Value
Water Level (ft msl)
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125
120
115
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105
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Jan-1994
Jan-1995
Jan-1996
Jan-1997
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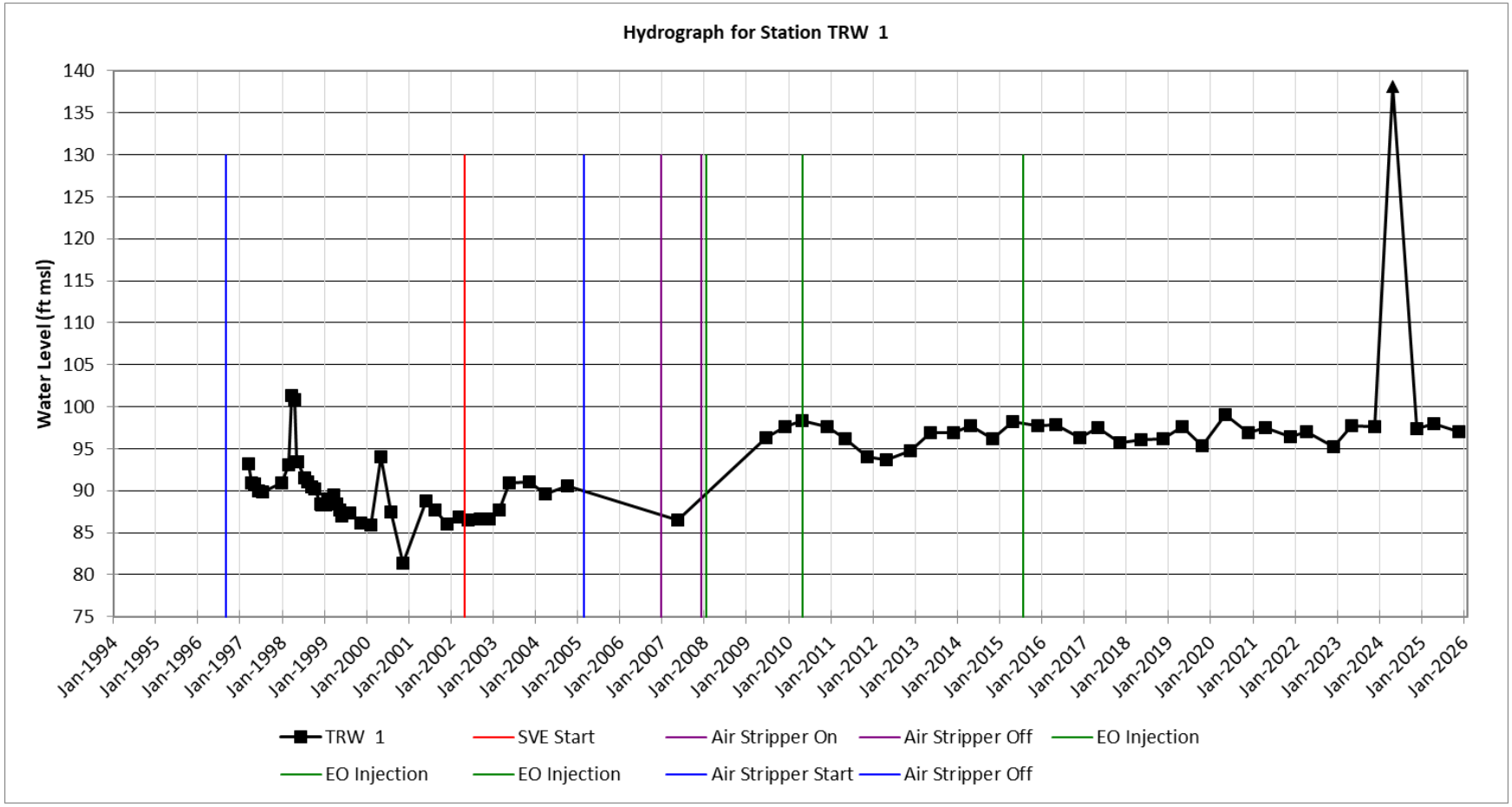
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX076D
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TRW 1
Water Level (ft msl)
140
135
130
125
120
115
110
105
100
95
90
85
80
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Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
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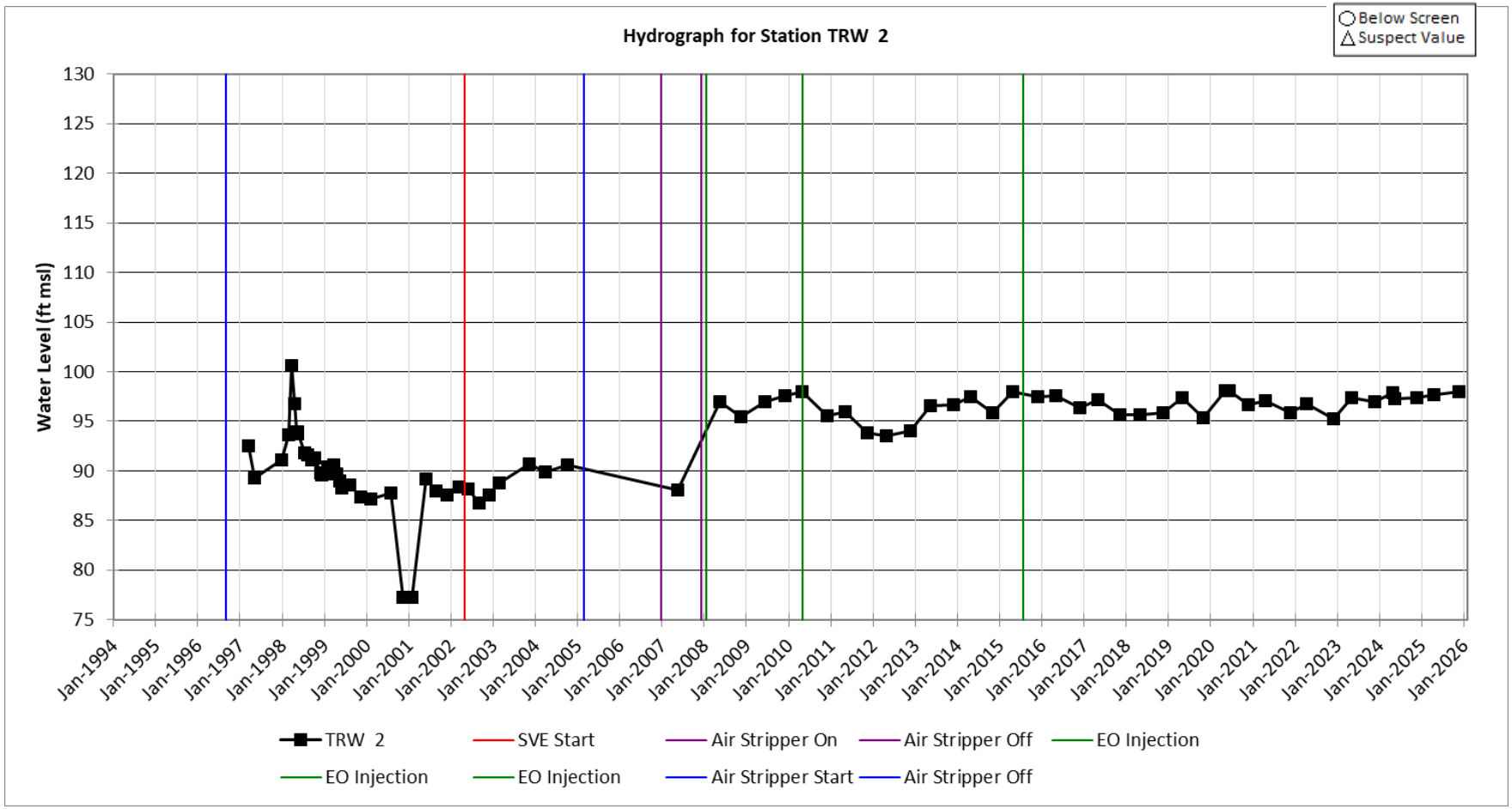
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 1
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TRW 2
Below Screen
Suspect Value
Water Level (ft msl)
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125
120
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80
75
Jan-1994
Jan-1995
Jan-1996
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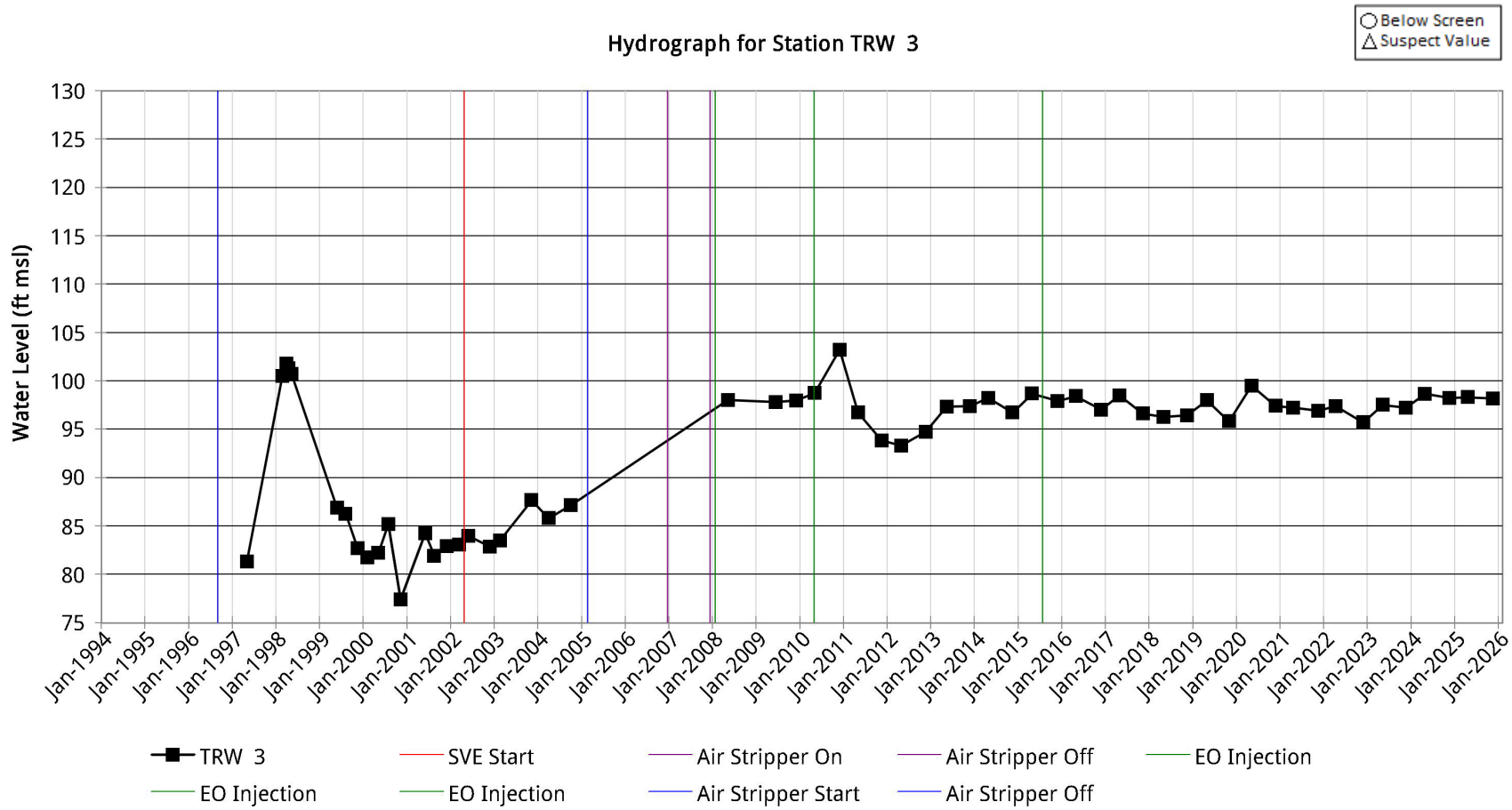
Jan-2024
Jan-2025
Jan-2026
TRW 2
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TRW 3
Below Screen
Suspect Value
Water Level (ft msl)
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125
120
115
110
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75
Jan-1994
Jan-1995
Jan-1996
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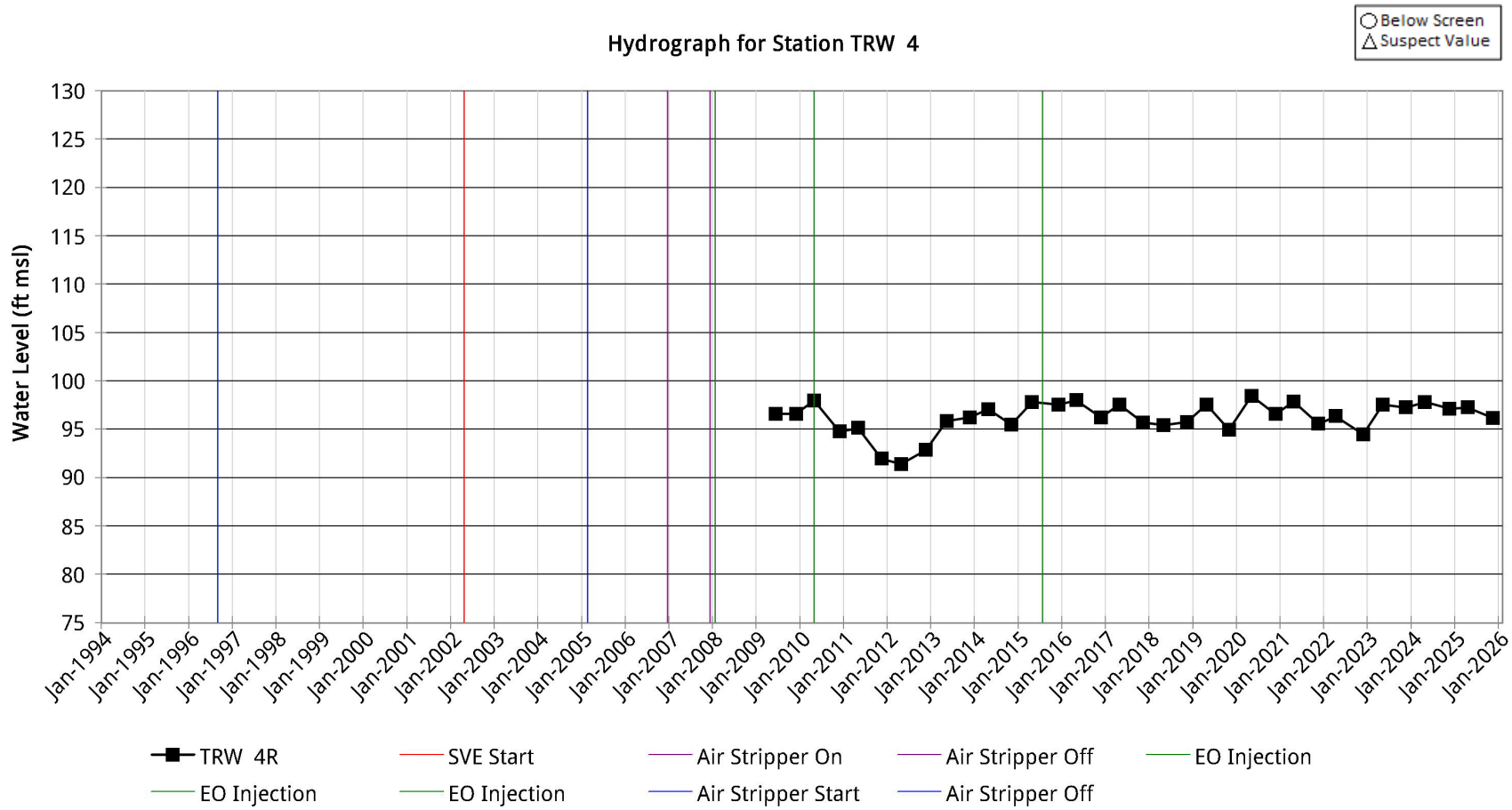
Jan-2024
Jan-2025
Jan-2026
TRW 3
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TRW 4
Below Screen
Suspect Value
Water Level (ft msl)
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125
120
115
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105
100
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80
75
Jan-1994
Jan-1995
Jan-1996
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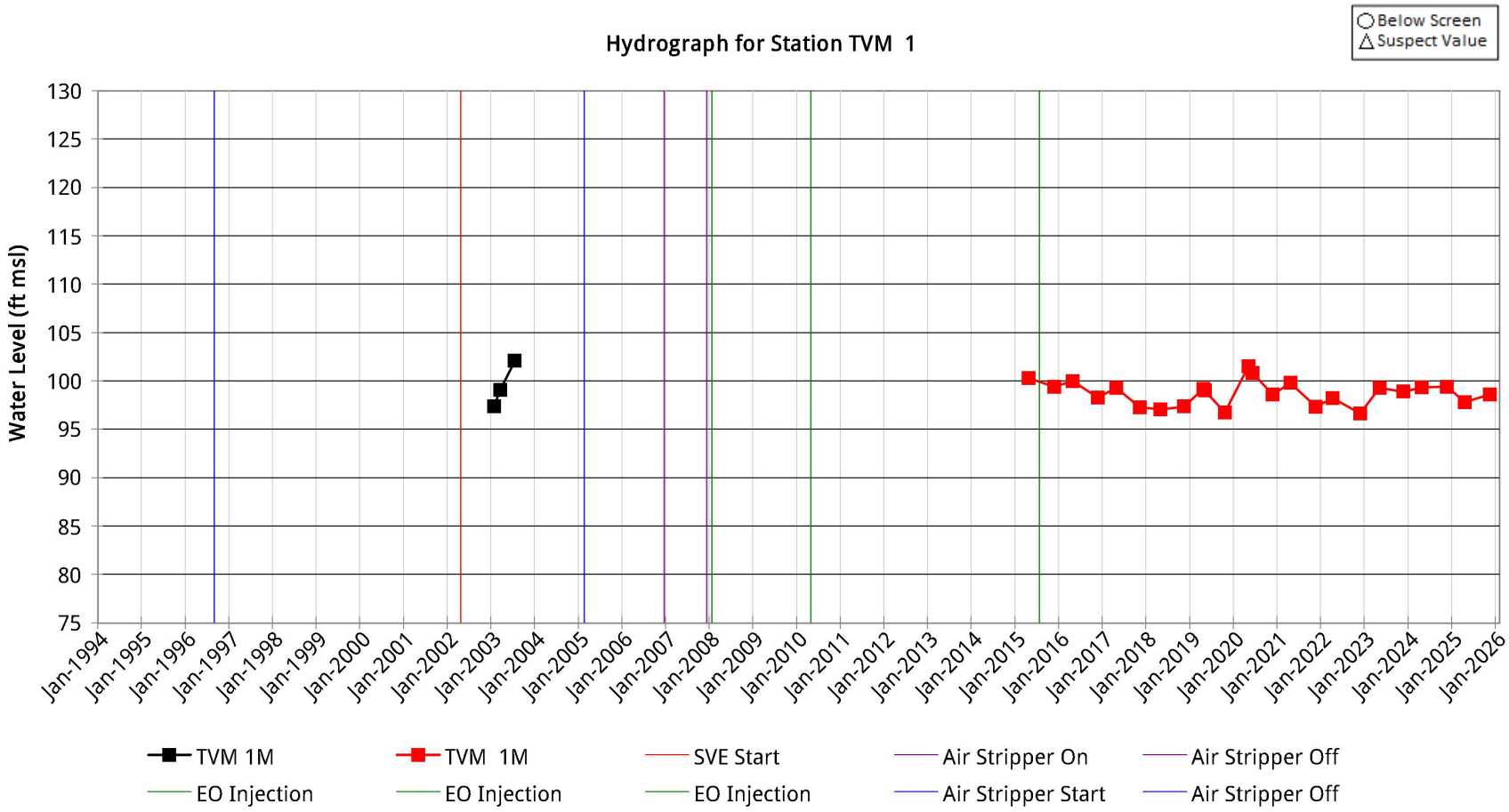
TRW 4R
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TVM 1
Below Screen
Suspect Value
Water Level (ft msl)
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125
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Jan-1994
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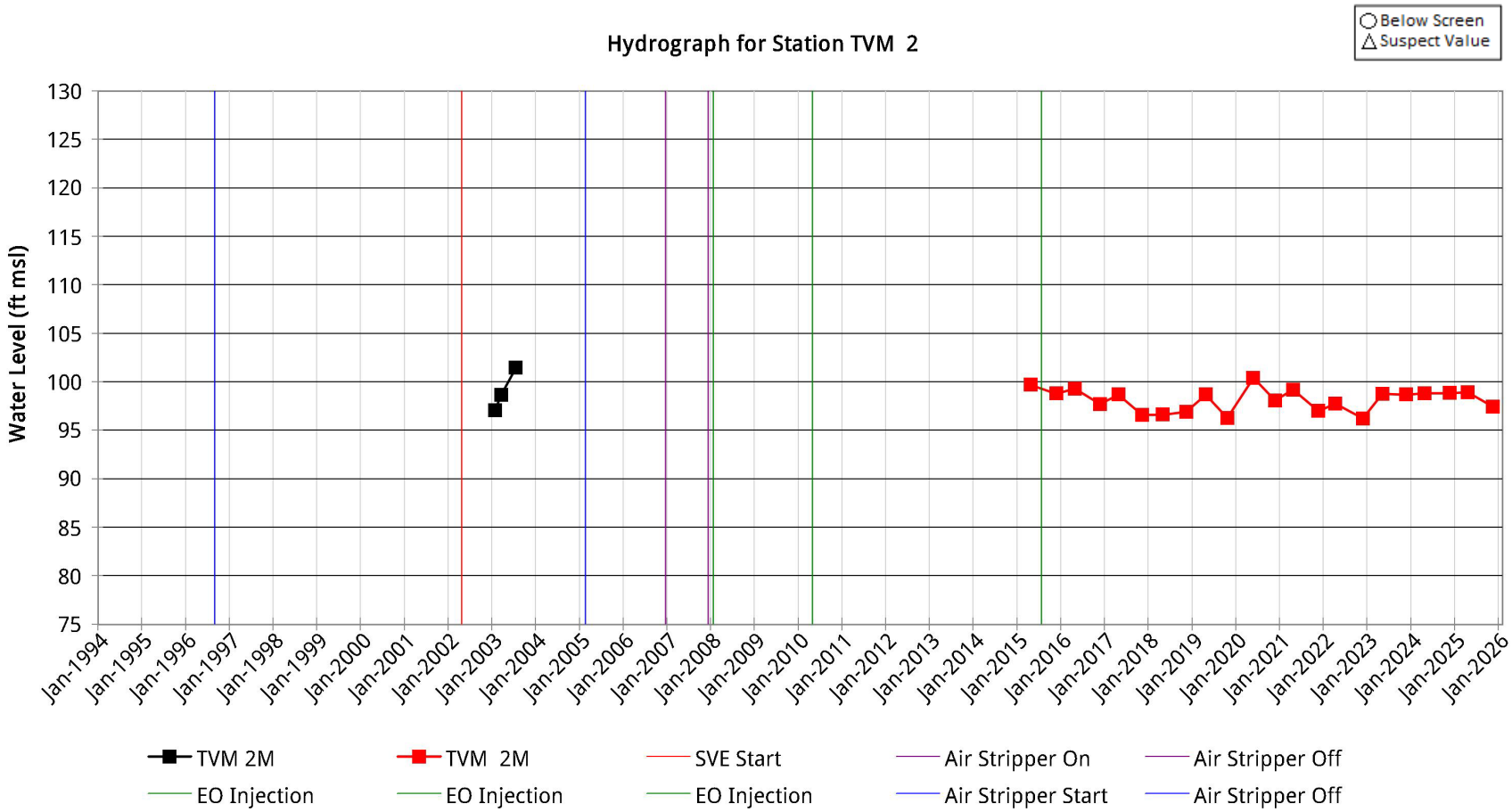
Jan-2026
TVM 1M
TVM 1M
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TVM 2
Below Screen
Suspect Value
Water Level (ft msl)
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125
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80
75
Jan-1994
Jan-1995
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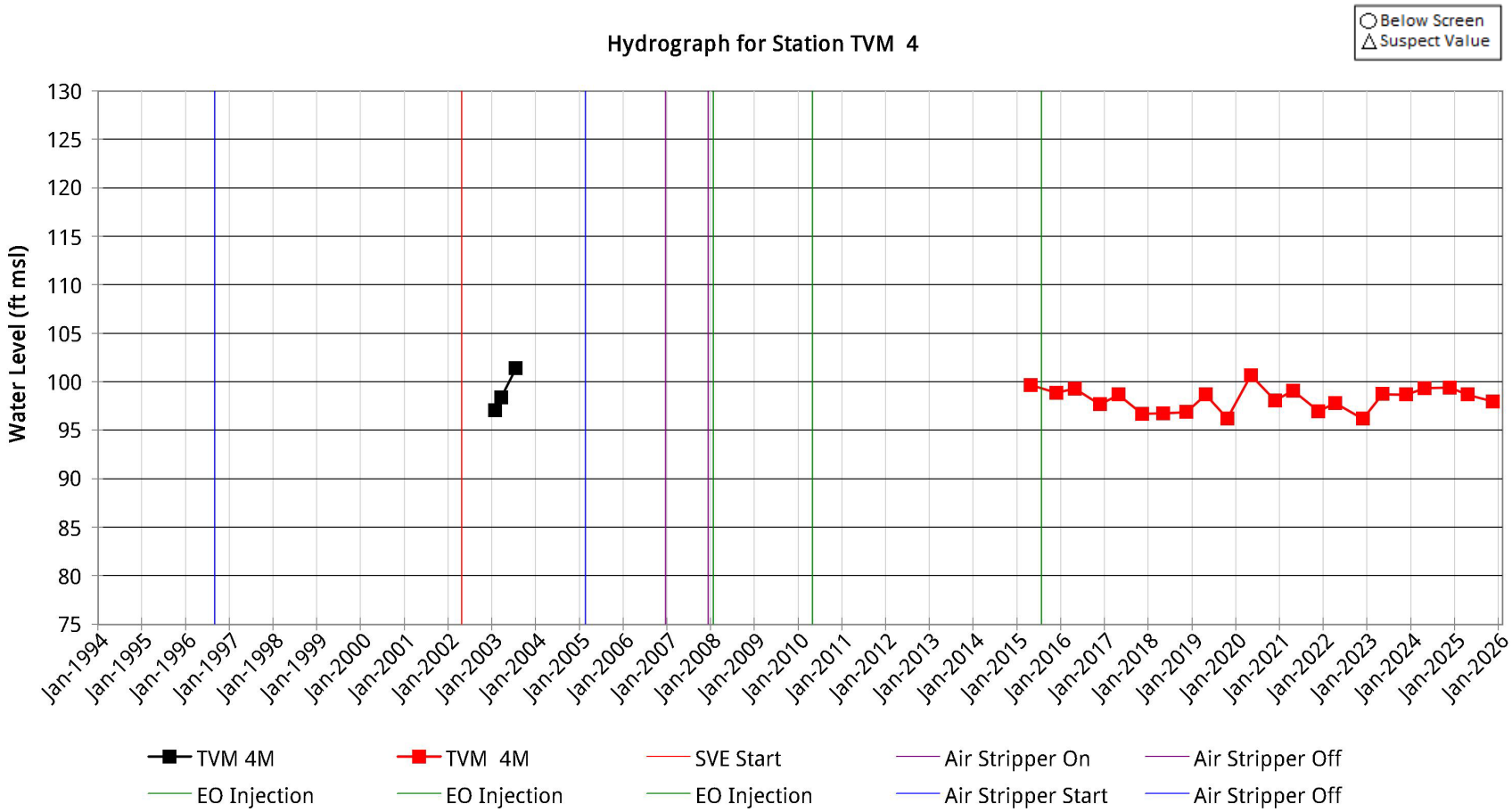
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 2M
TVM 2M
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TVM 4
Below Screen
Suspect Value
Water Level (ft msl)
130
125
120
115
110
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90
85
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75
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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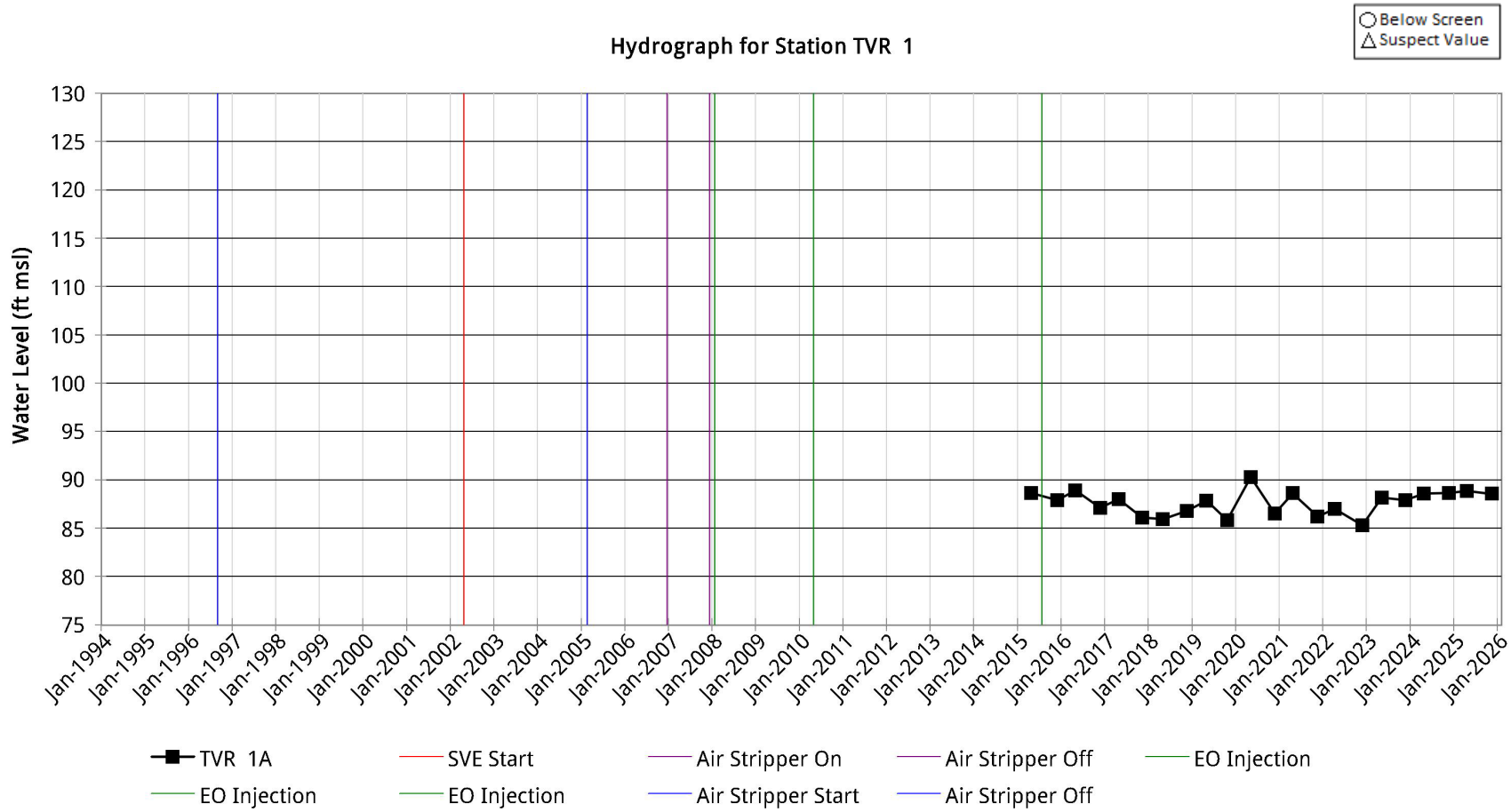
Jan-2025
Jan-2026
TVM 4M
TVM 4M
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station TVR 1
Below Screen
Suspect Value
Water Level (ft msl)
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105
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Jan-1994
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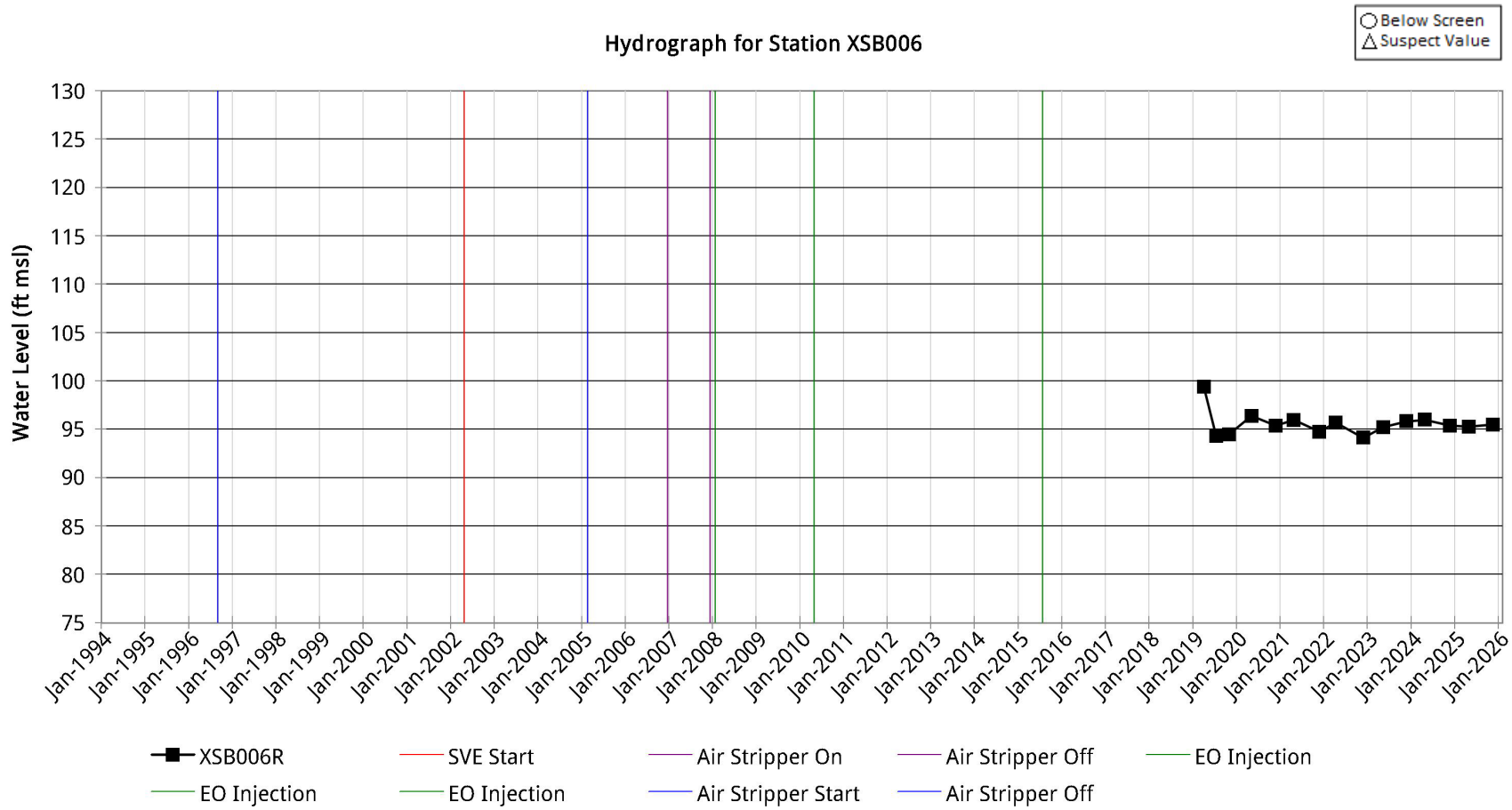
Jan-2026
TVR 1A
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Hydrograph for Station XSB006
Below Screen
Suspect Value
Water Level (ft msl)
130
125
120
115
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105
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95
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Jan-1994
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Jan-2024
Jan-2025
Jan-2026
XSB006R
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off

APPENDIX E

TIME SERIES PLOTS

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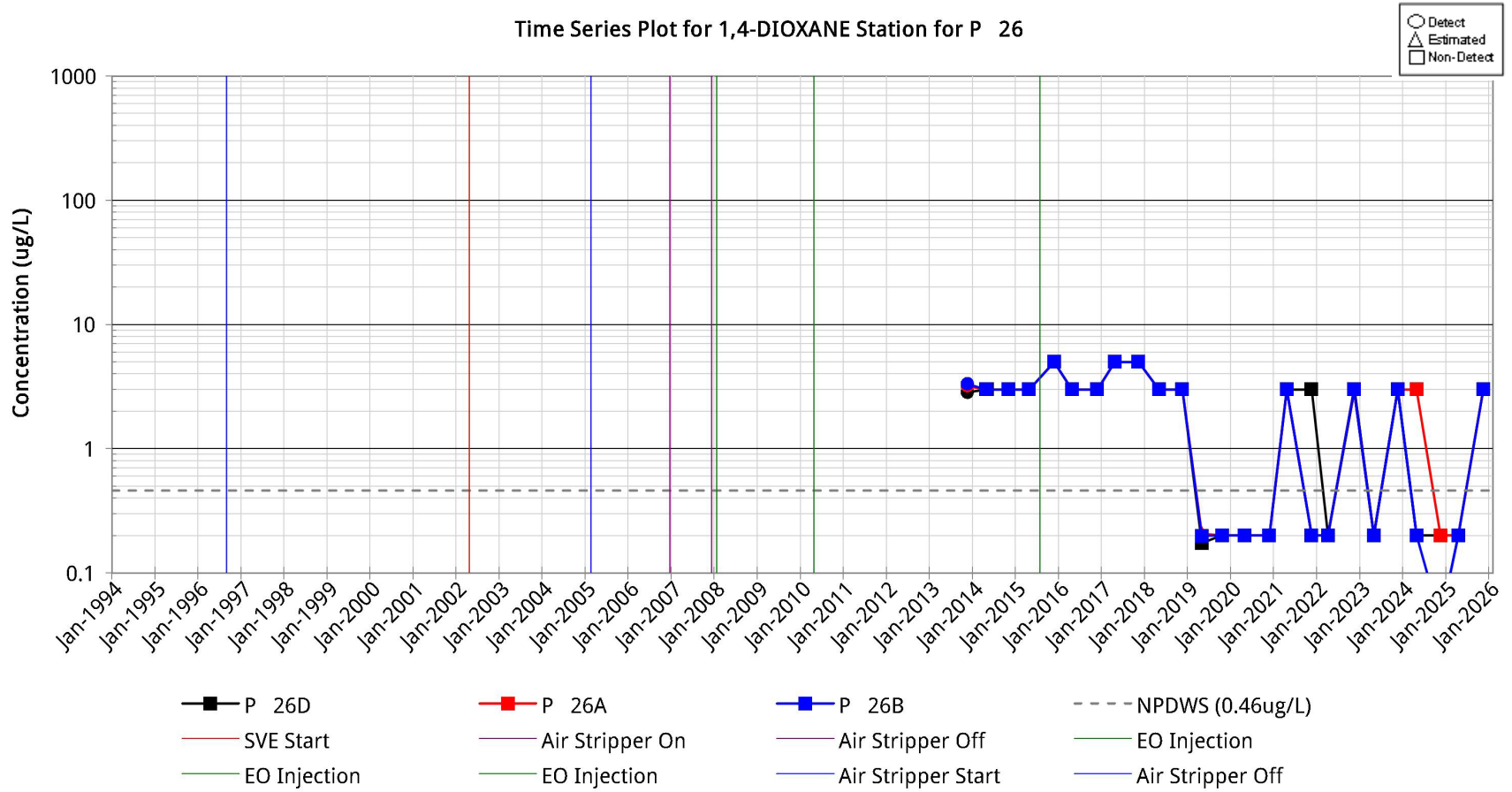
Time Series Plot for 1,4-DIOXANE Station for P 26
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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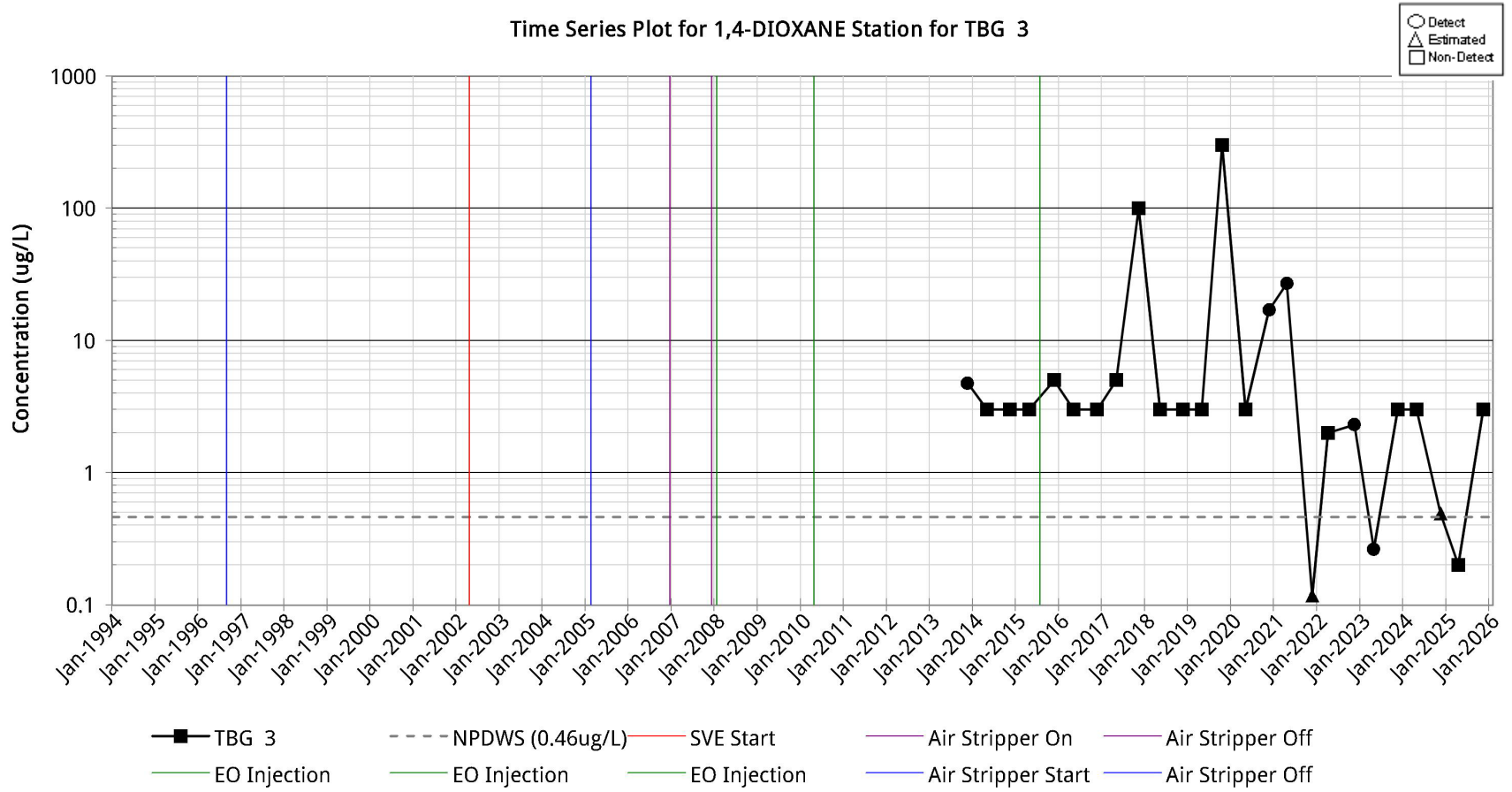
Jan-2023
Jan-2024
Jan-2025
Jan-2026
P 26D
P 26A
P 26B
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TBG 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
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Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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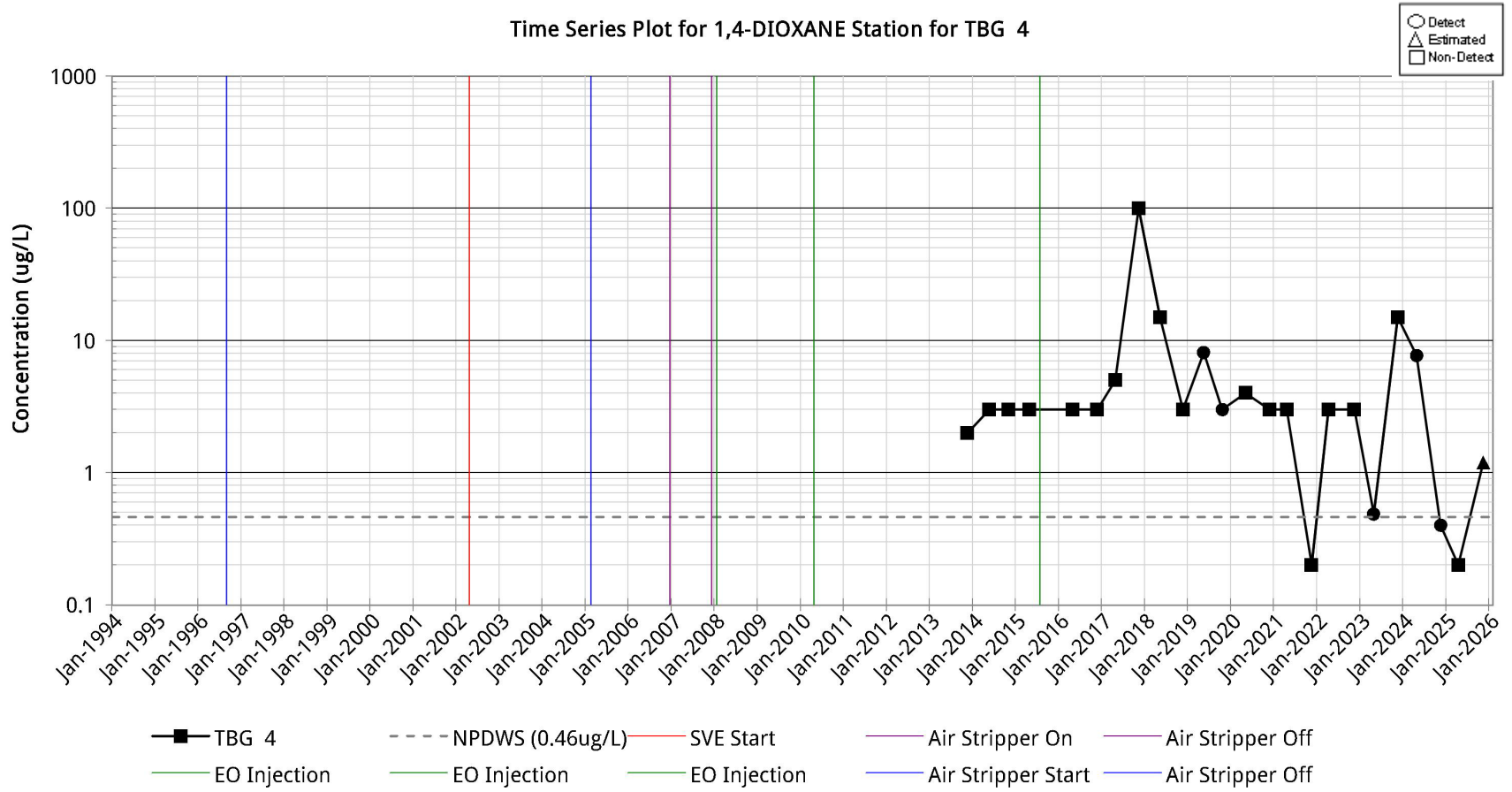
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 3
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TBG 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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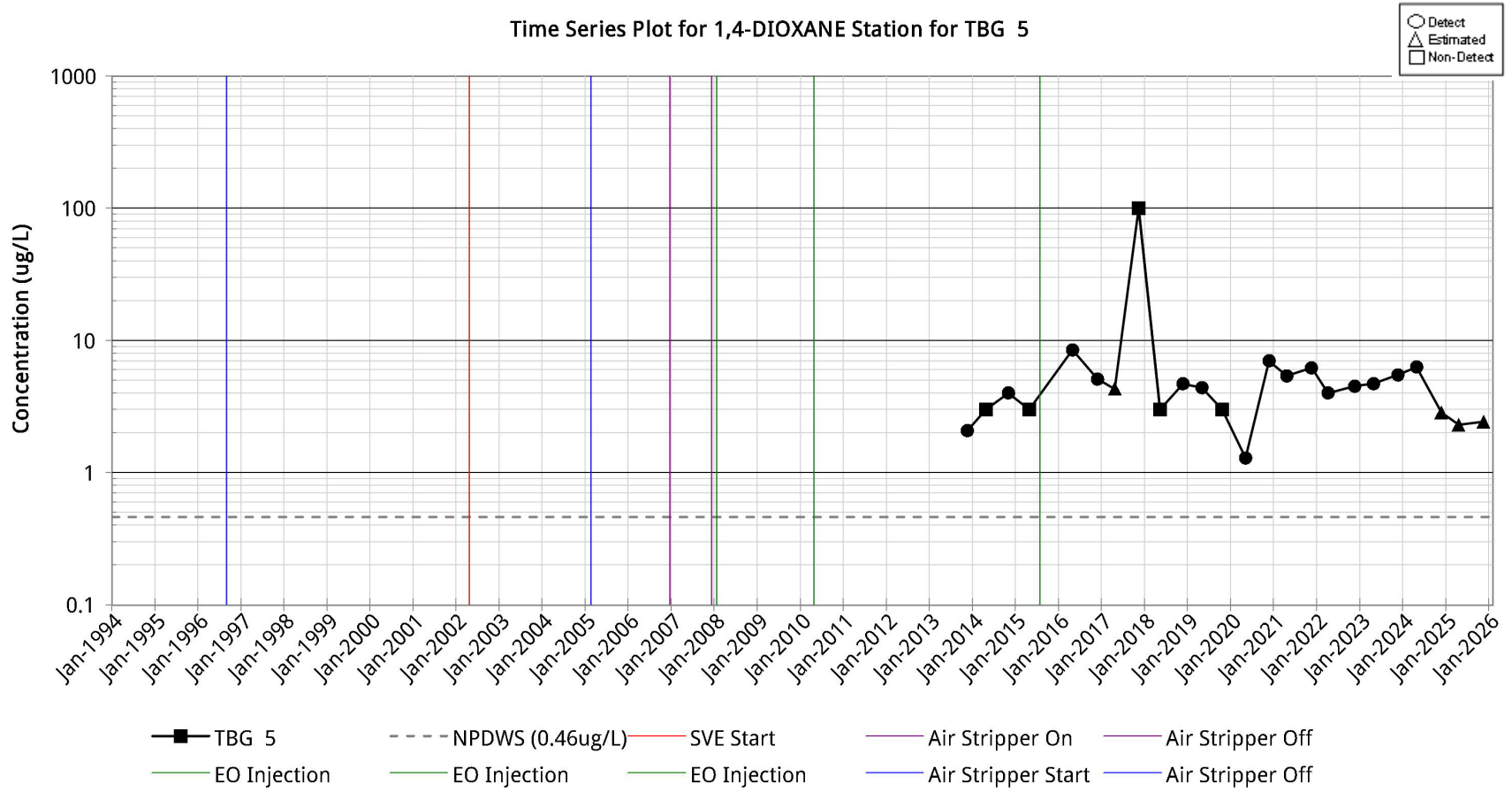
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 4
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TBG 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
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Jan-2001
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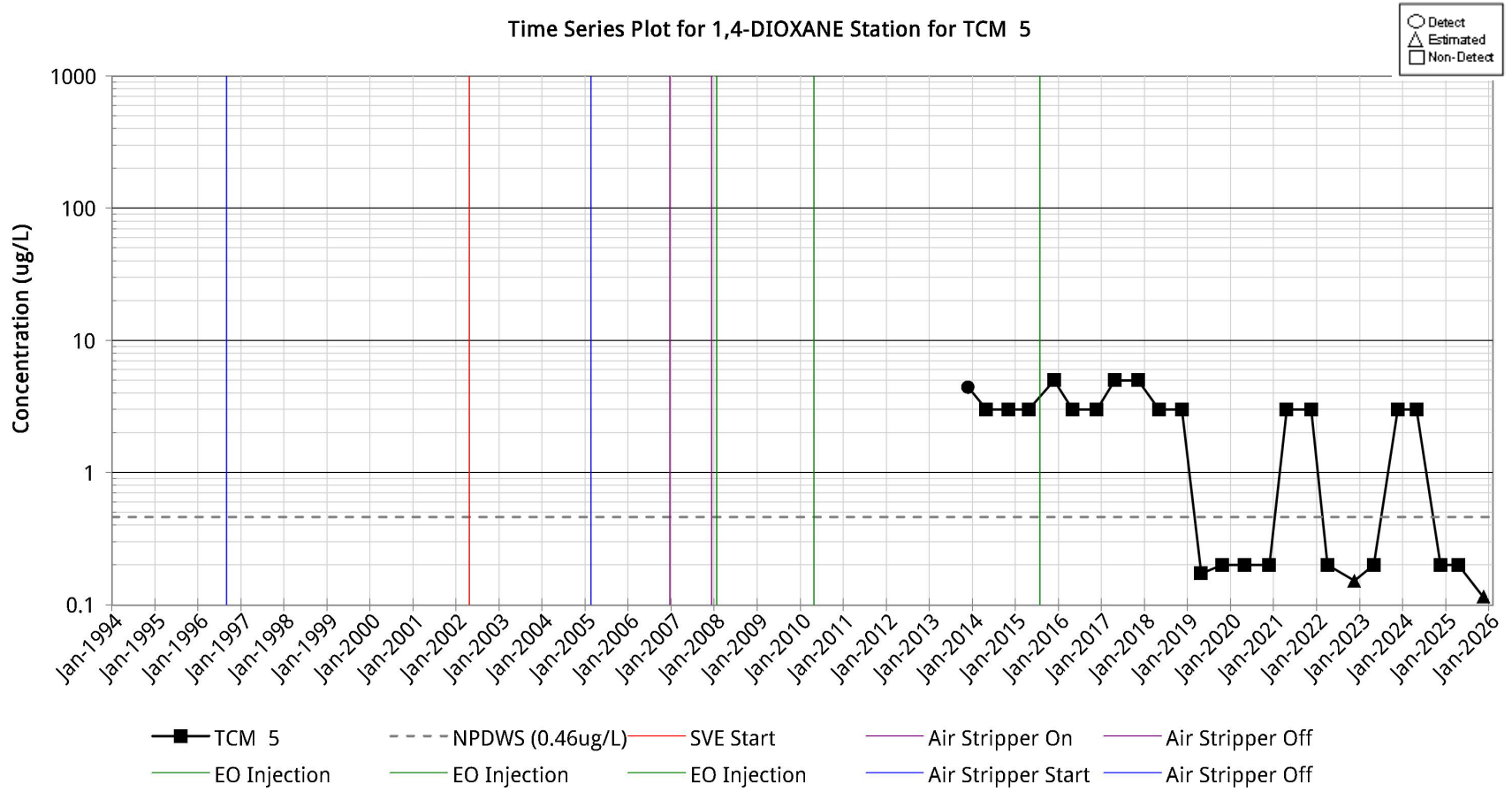
Jan-2024
Jan-2025
Jan-2026
TBG 5
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TCM 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
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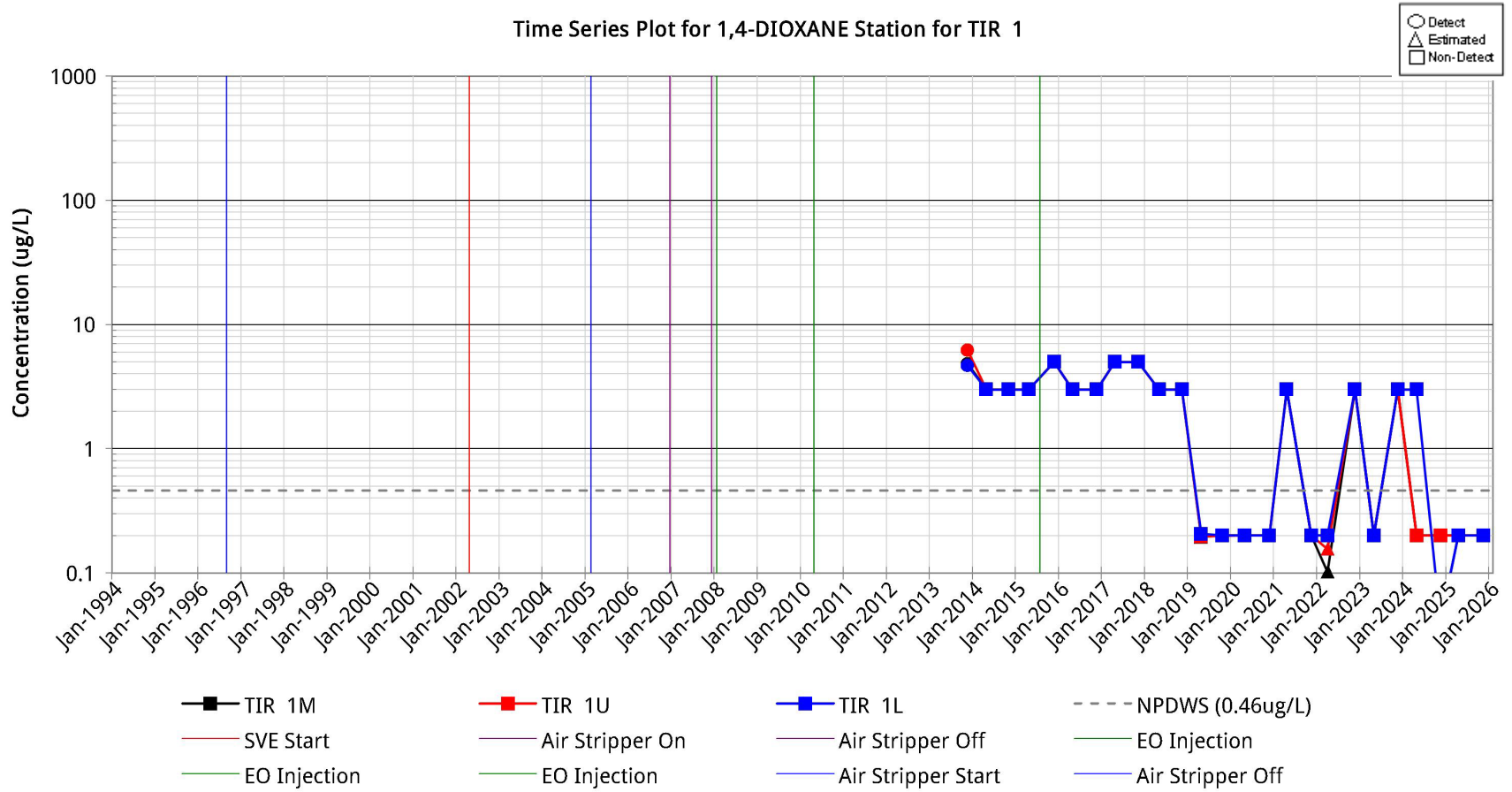
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TCM 5
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TIR 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
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Jan-1996
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Jan-1998
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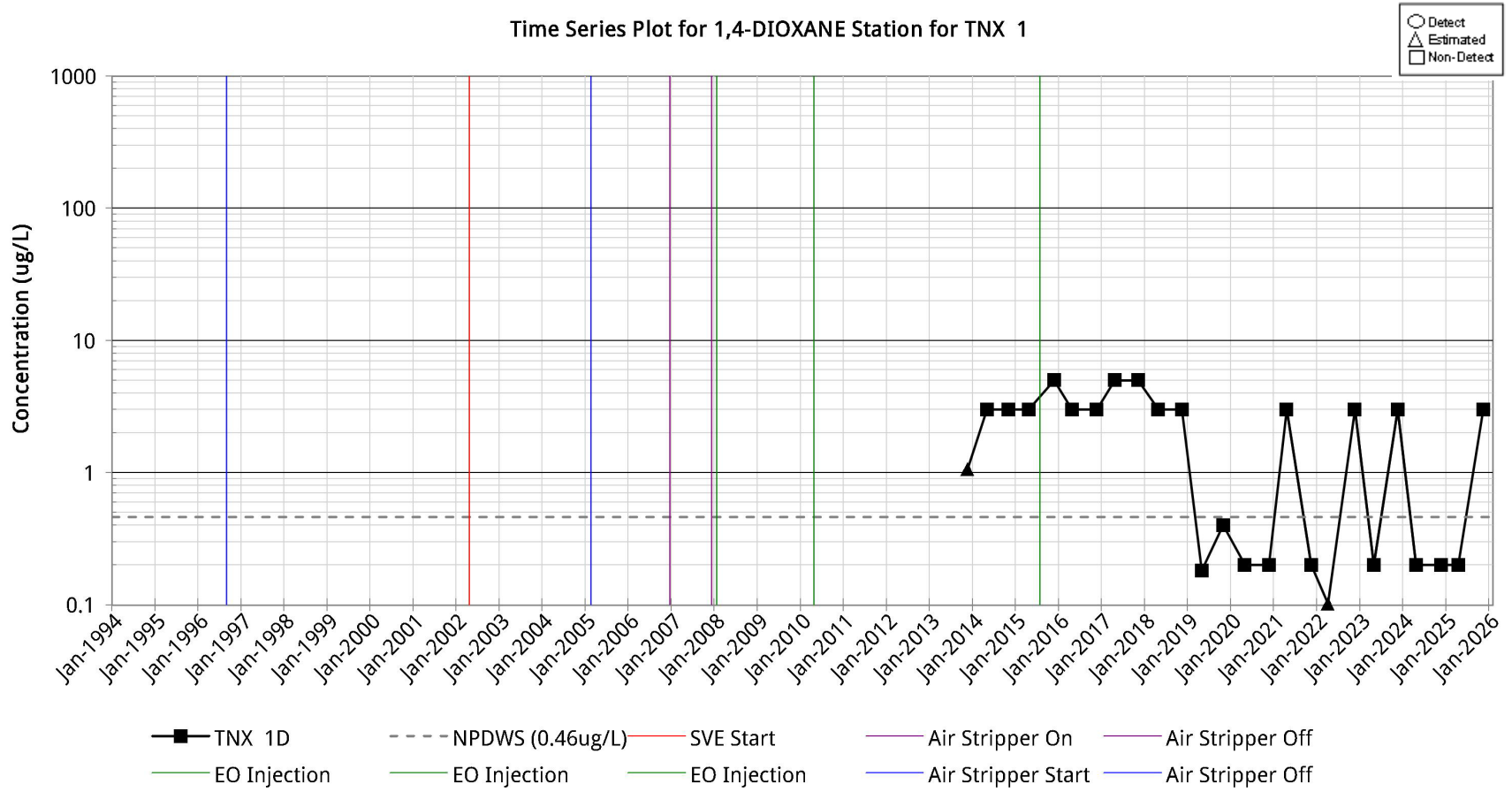
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TIR 1M
TIR 1U
TIR 1L
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
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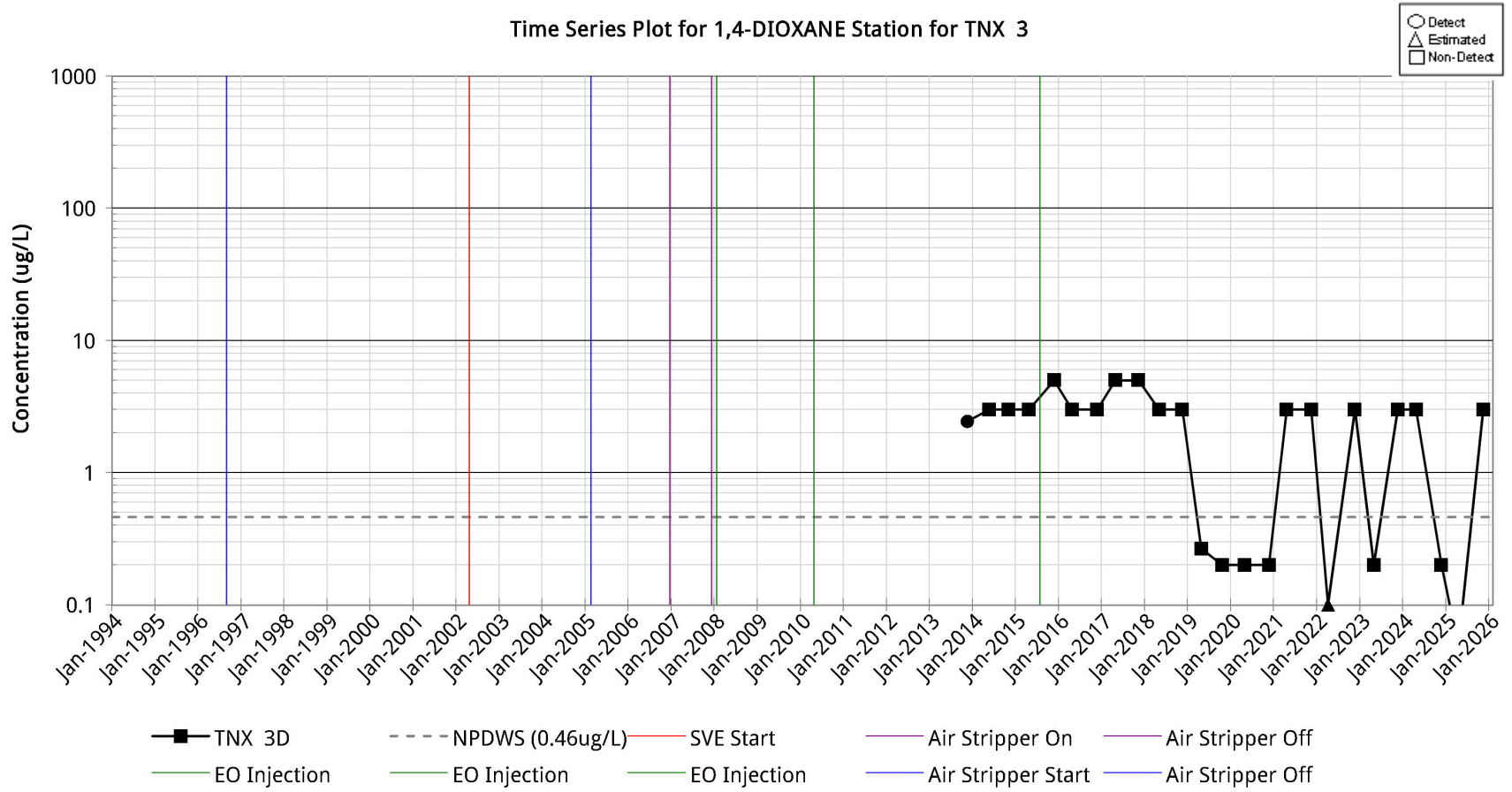
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 1D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
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Jan-1998
Jan-1999
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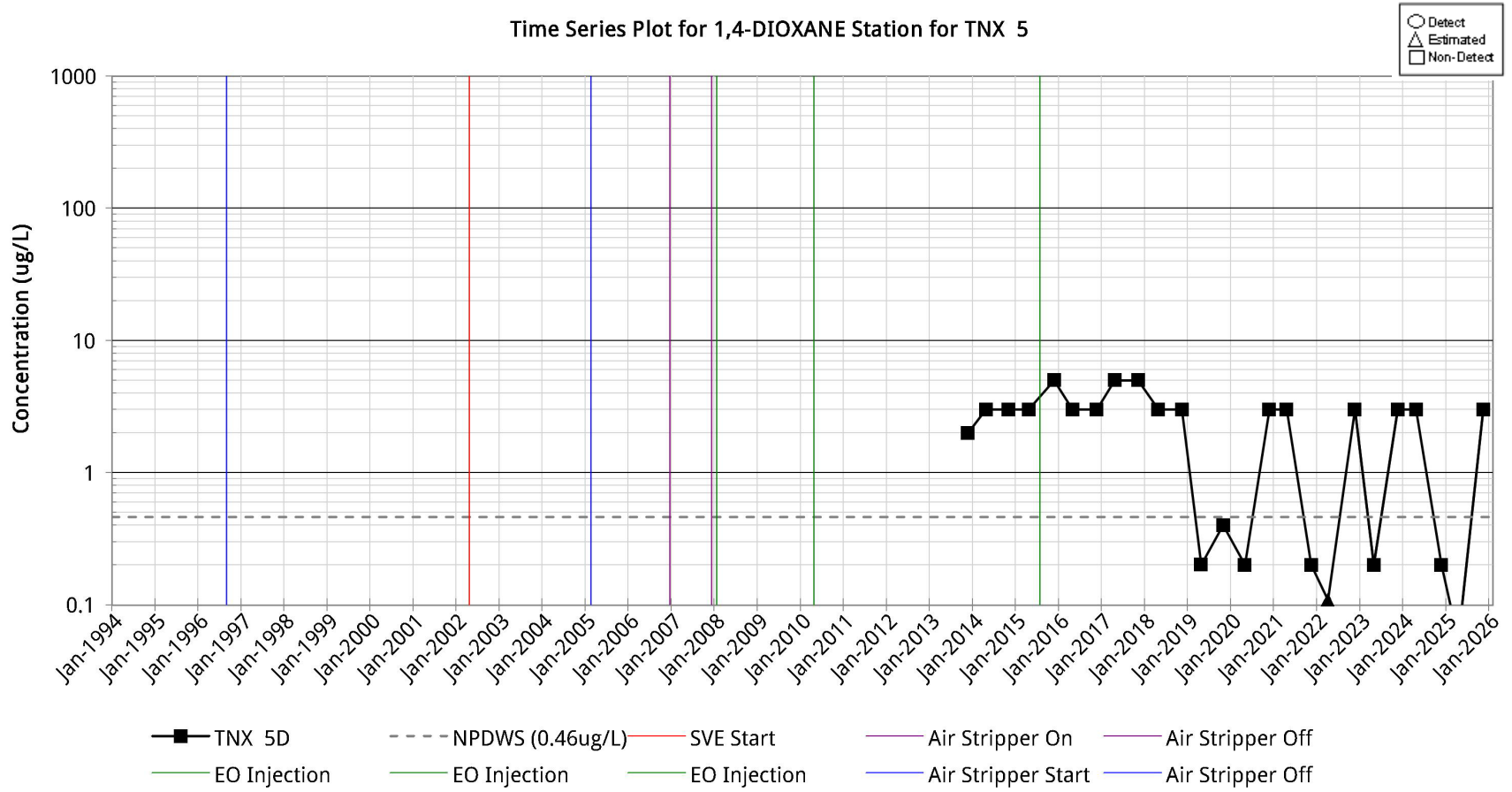
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 3D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
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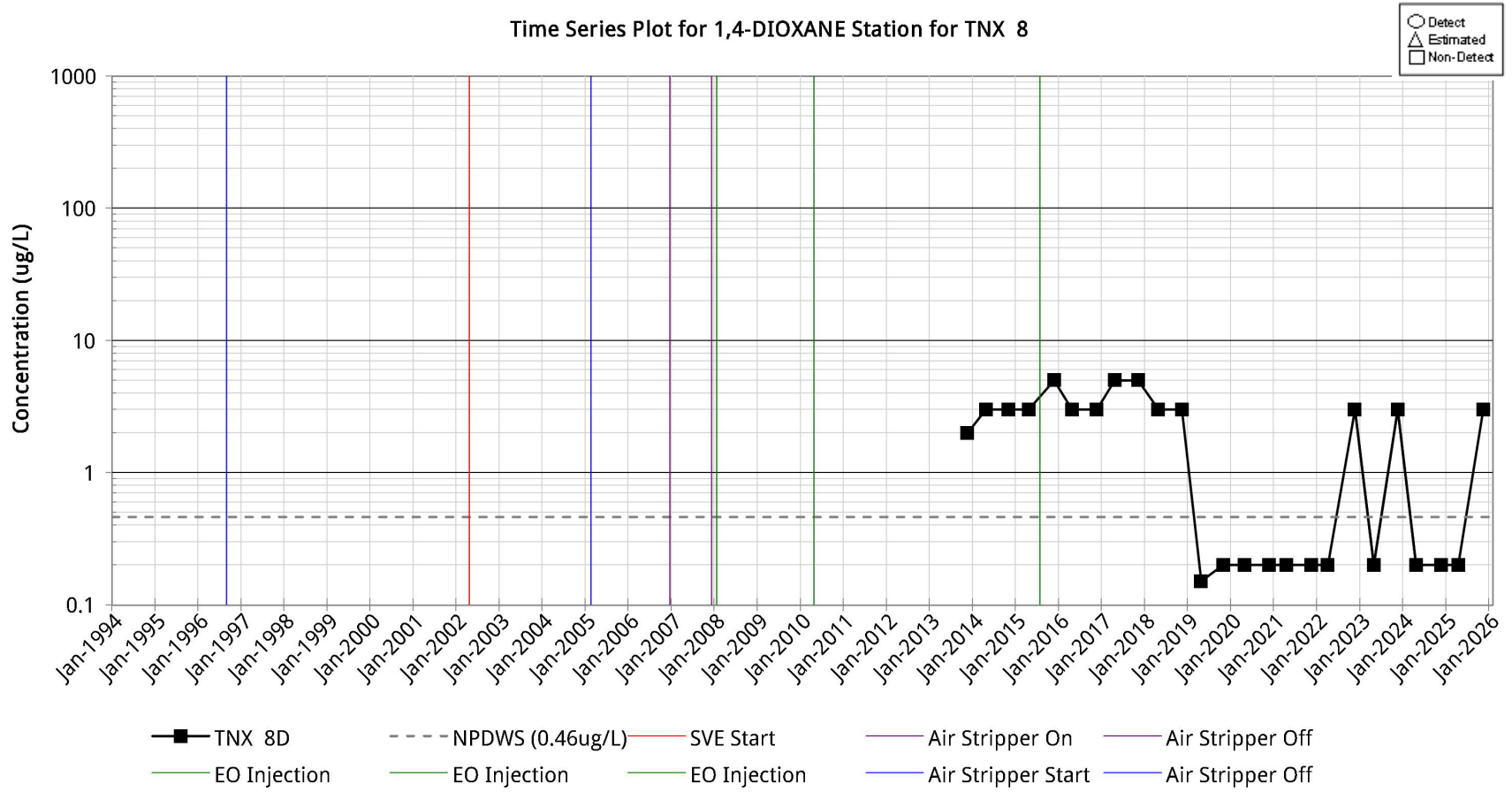
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 5D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 8
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
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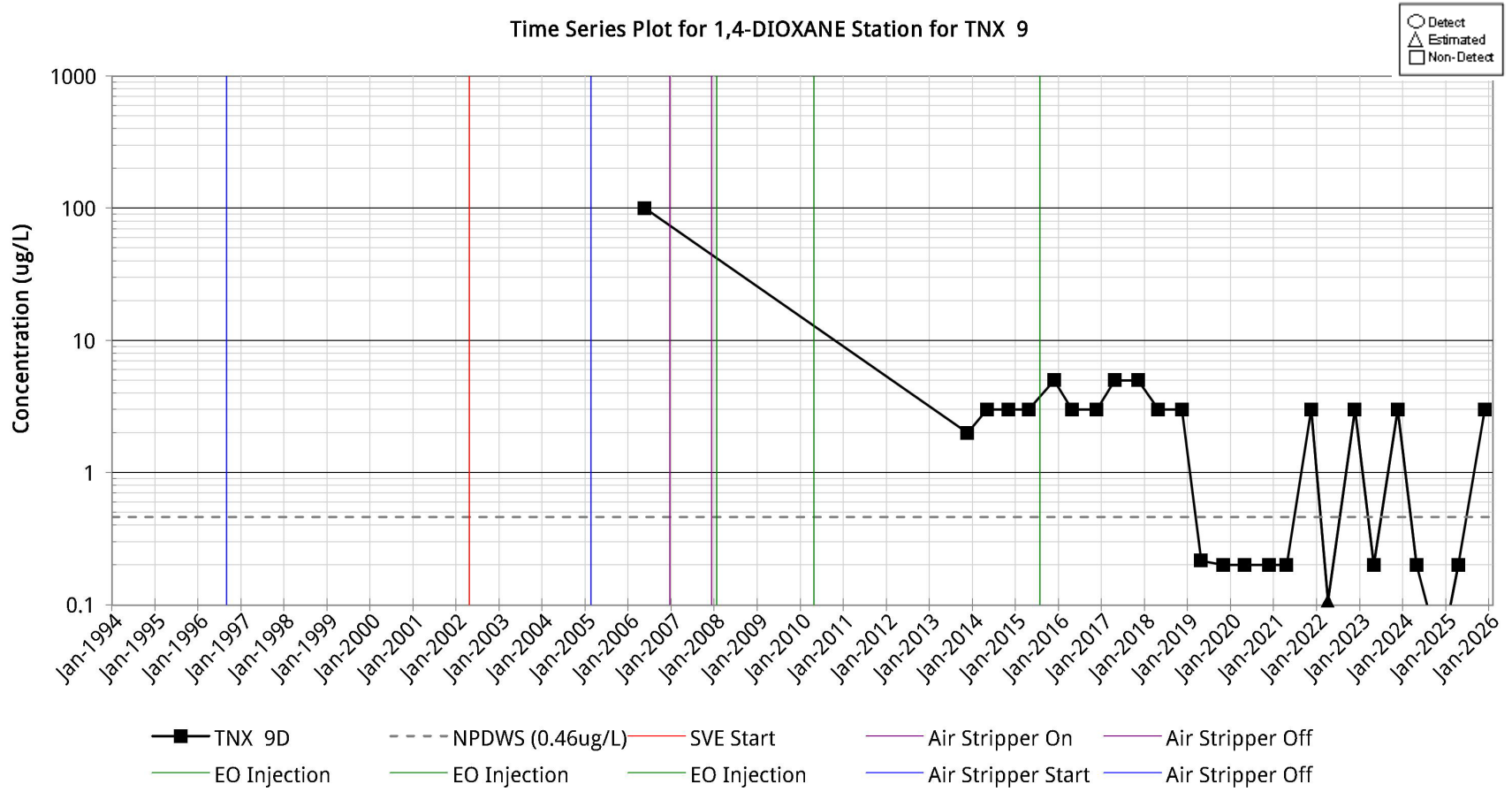
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 8D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 9
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
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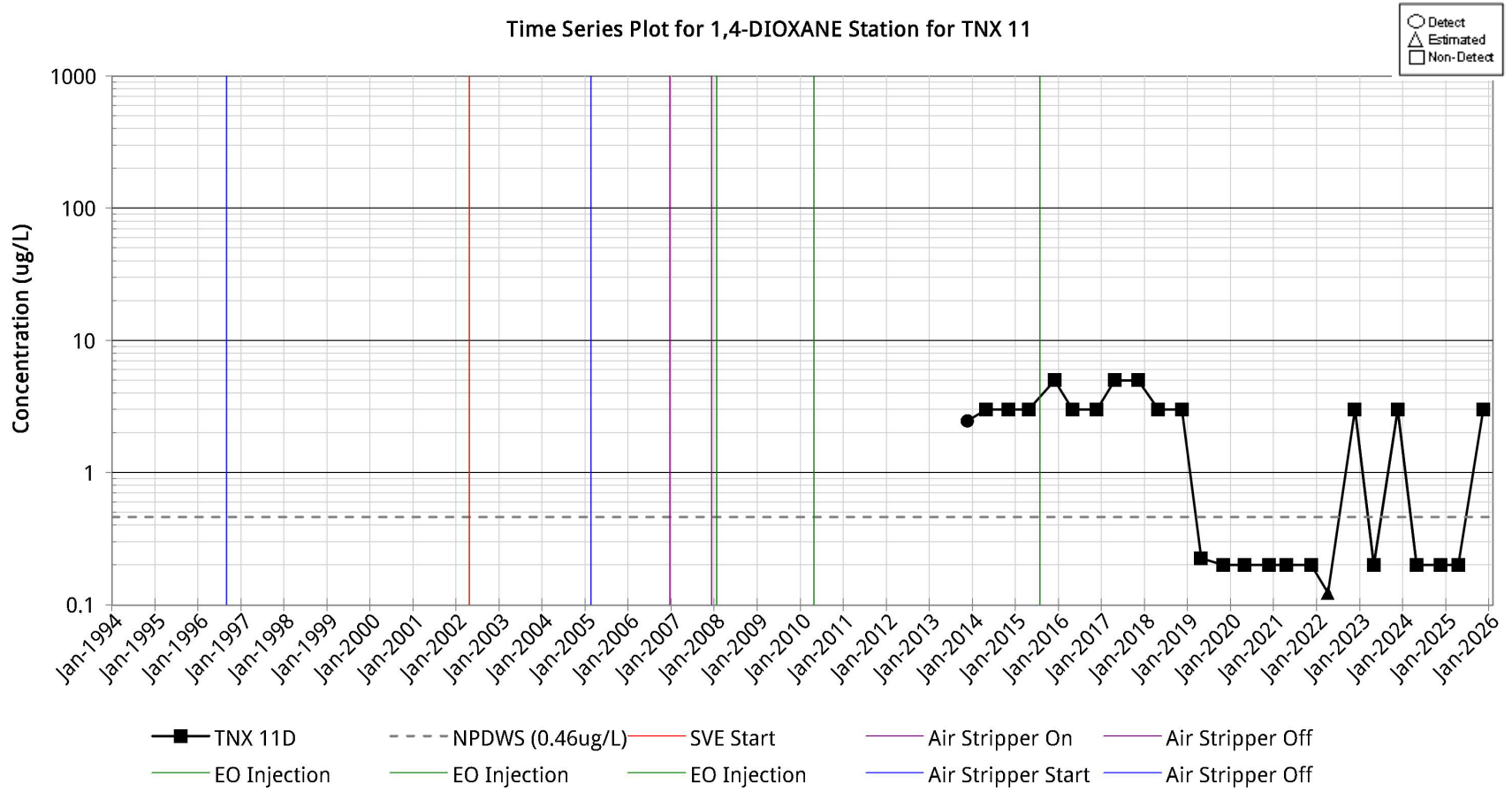
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 9D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 11
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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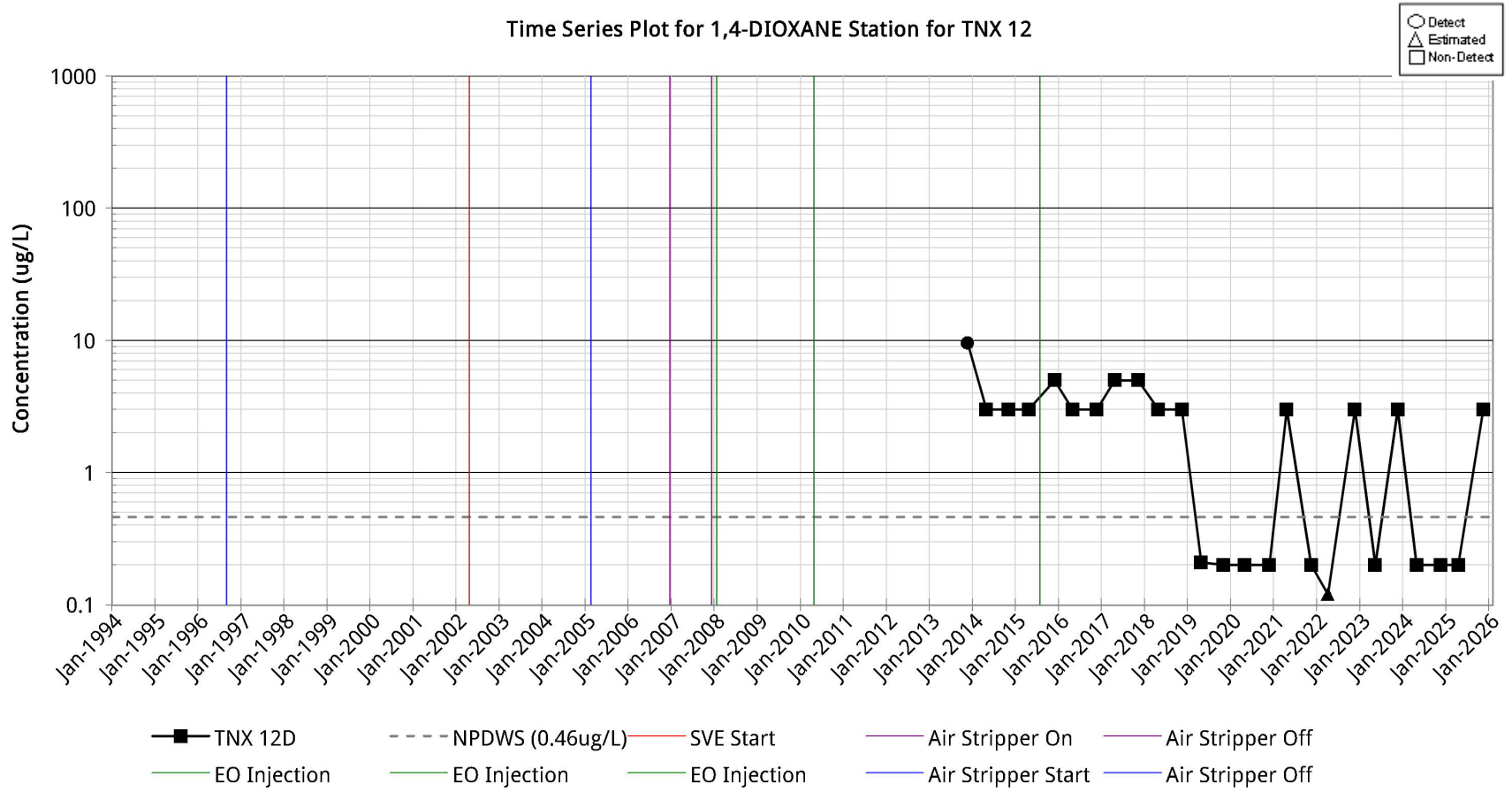
Jan-2024
Jan-2025
Jan-2026
TNX 11D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 12
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
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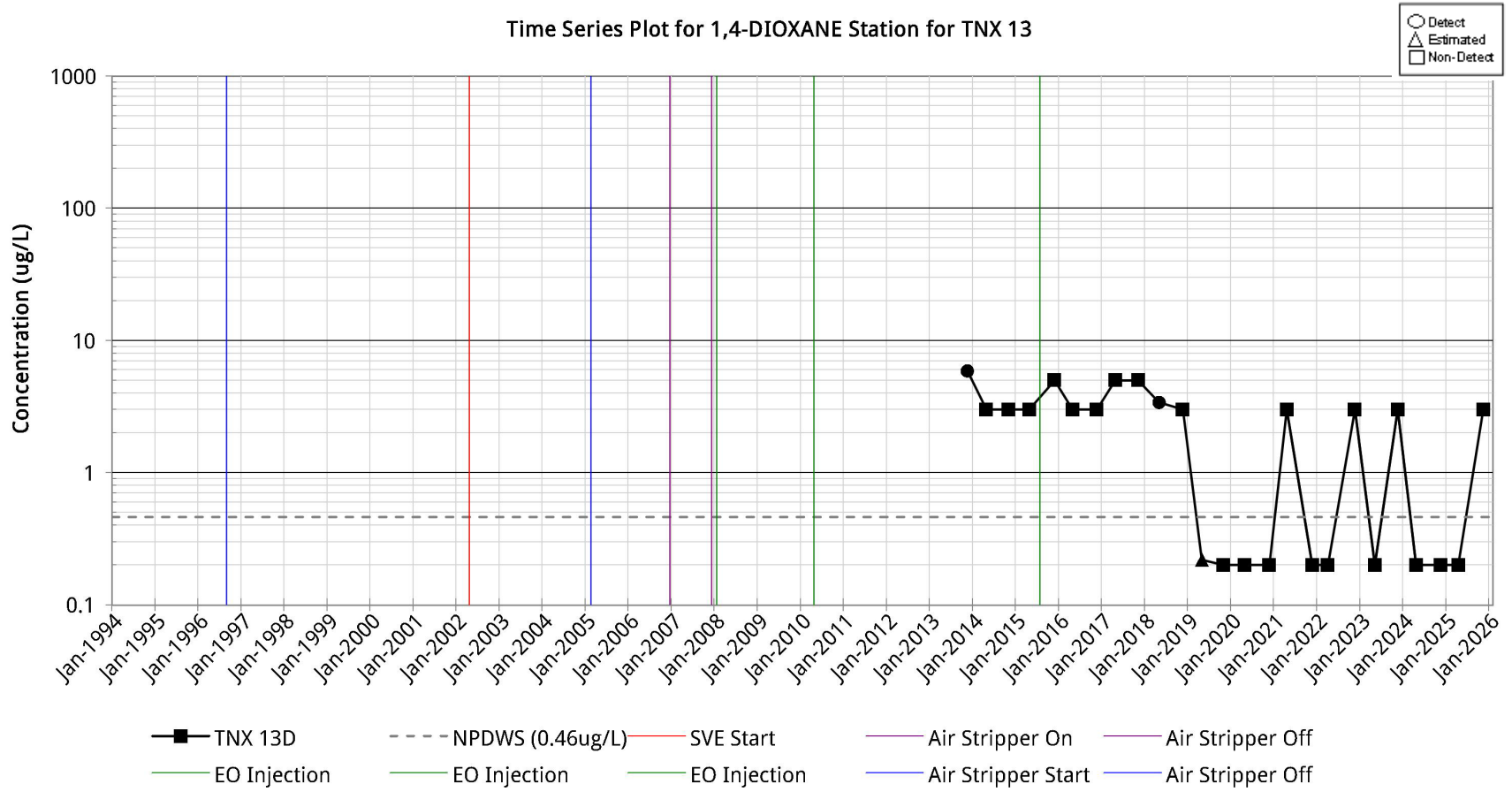
Jan-2025
Jan-2026
TNX 12D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 13
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
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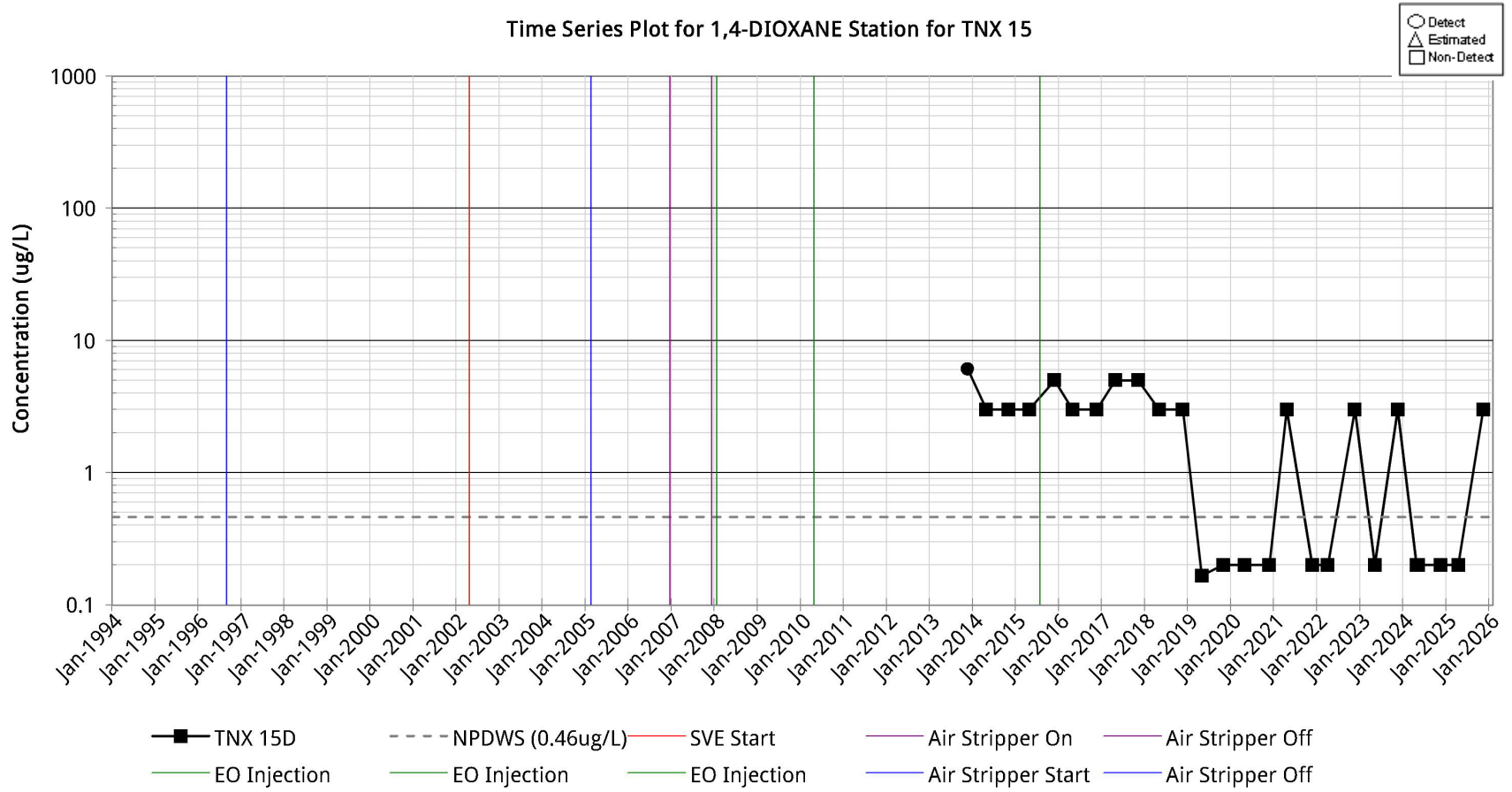
Jan-2024
Jan-2025
Jan-2026
TNX 13D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 15
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
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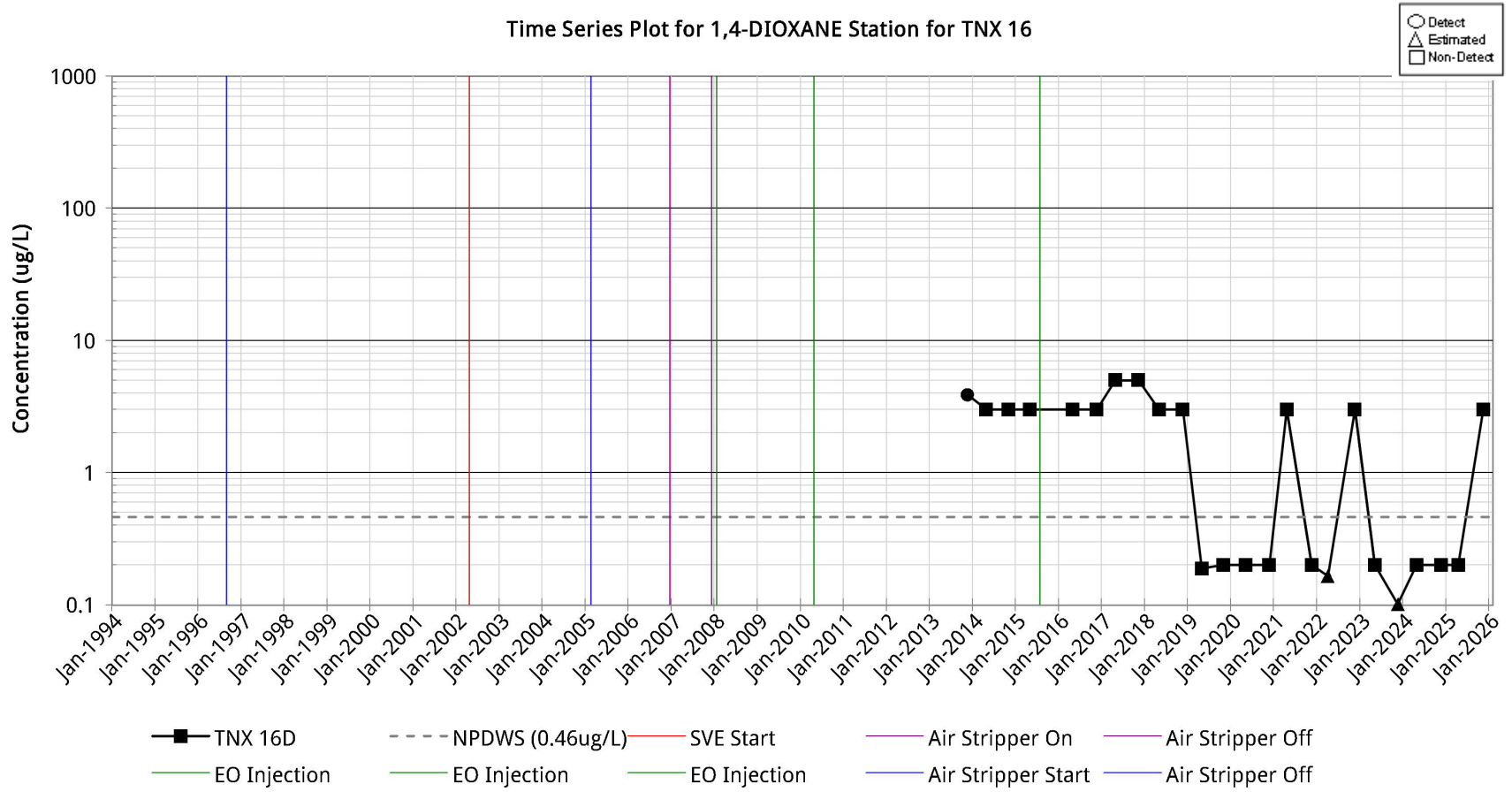
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 15D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 16
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
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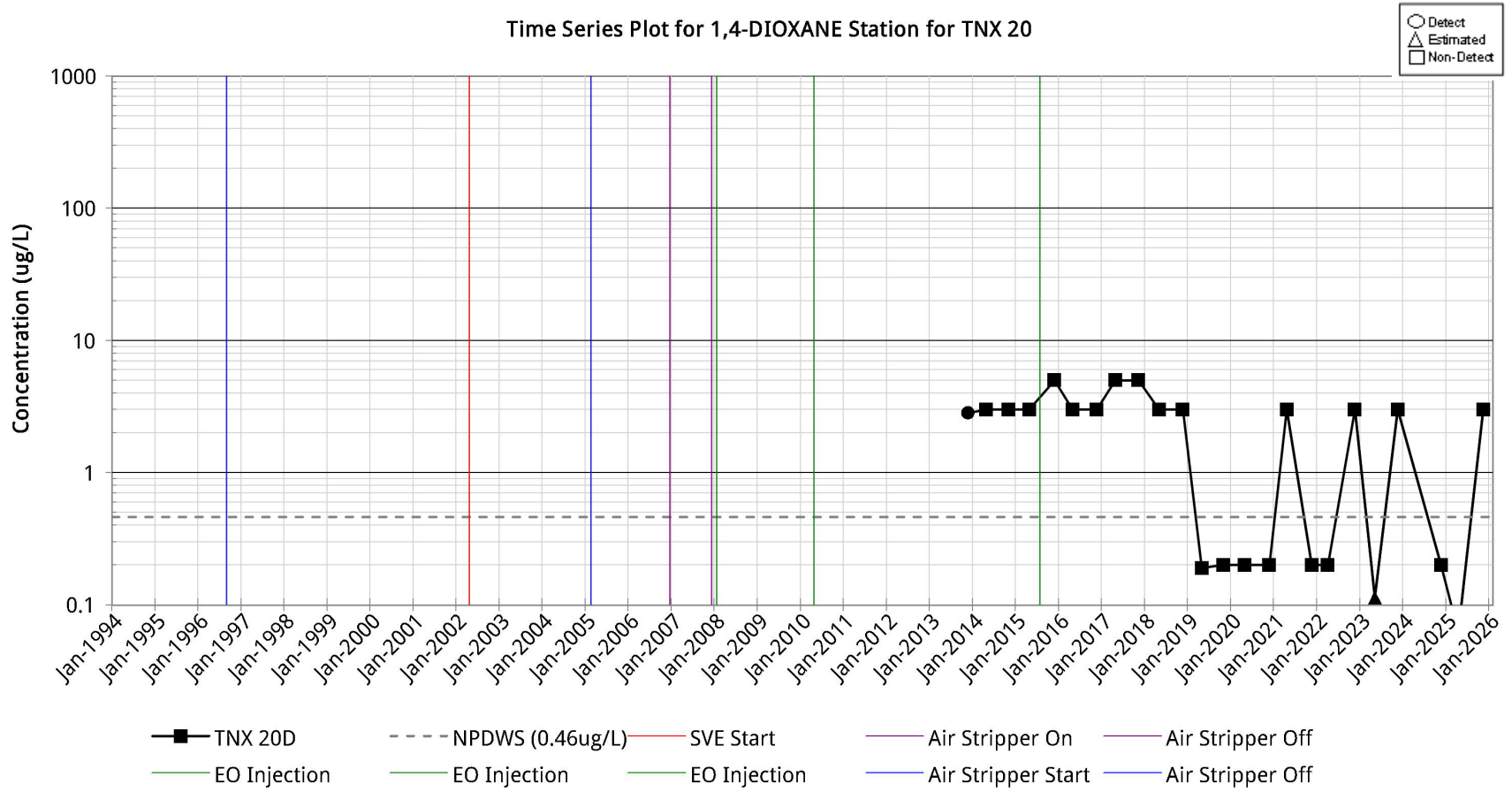
Jan-2024
Jan-2025
Jan-2026
TNX 16D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 20
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
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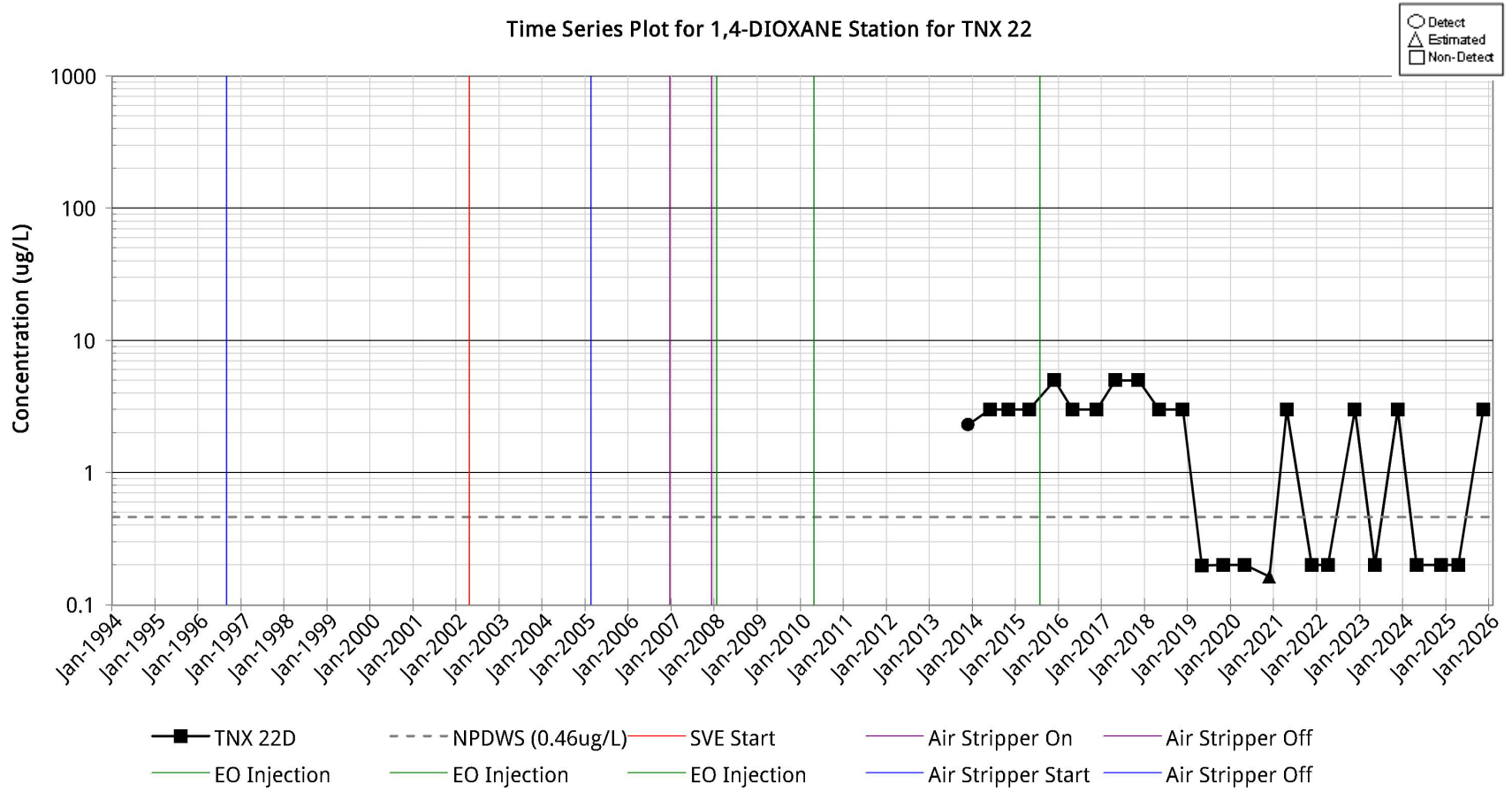
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 20D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 22
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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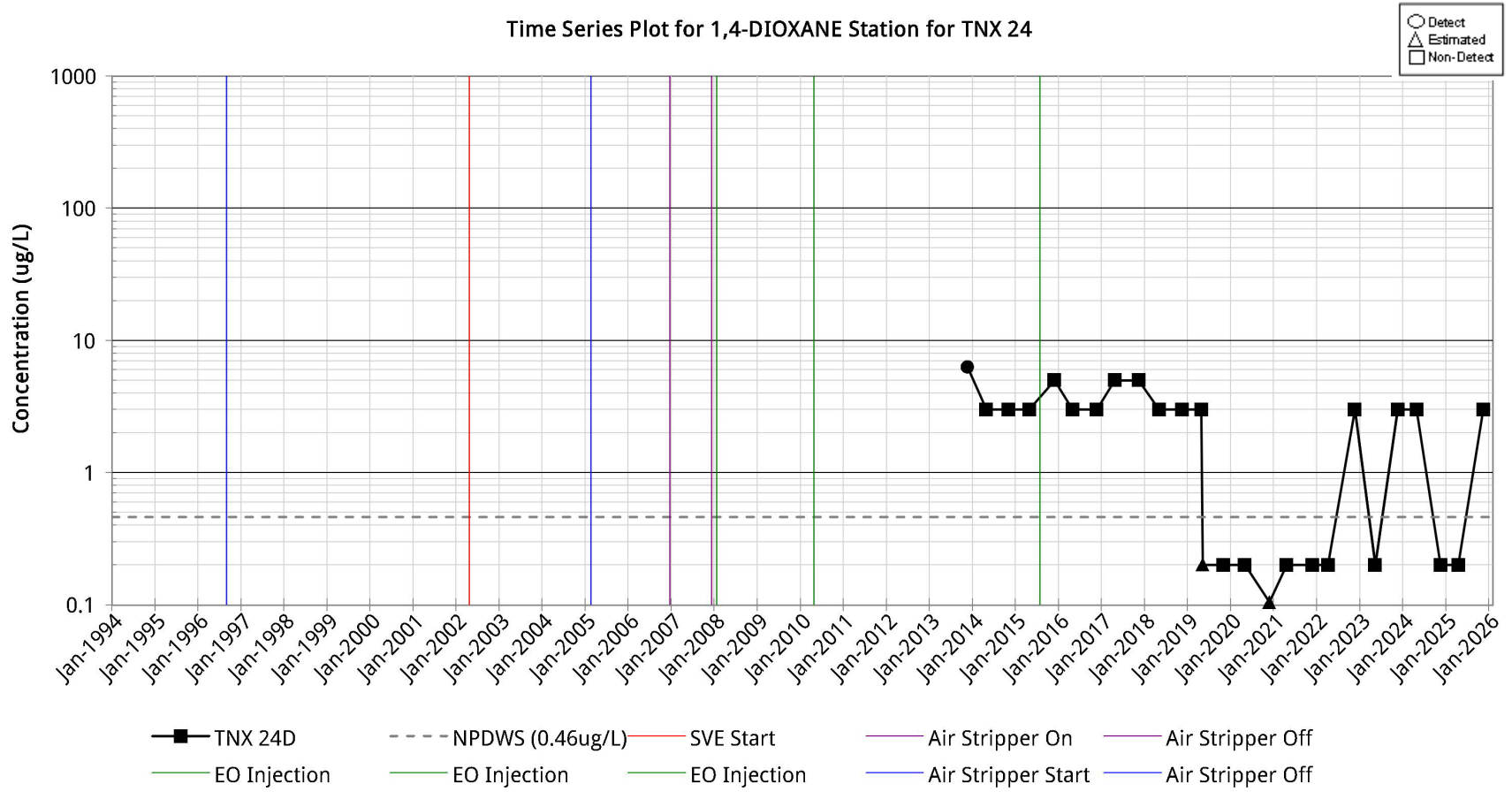
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 22D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 24
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
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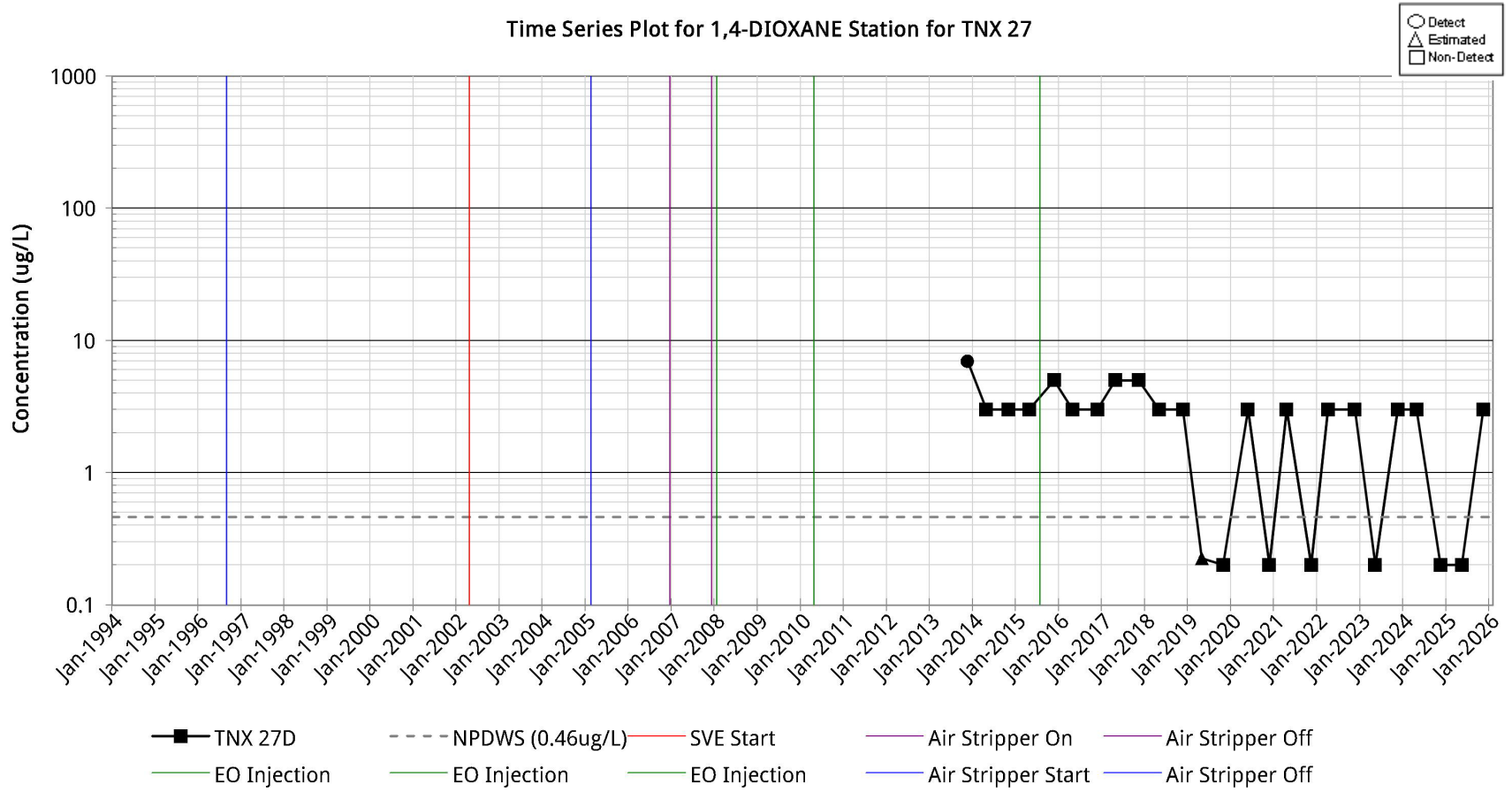
Jan-2024
Jan-2025
Jan-2026
TNX 24D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 27
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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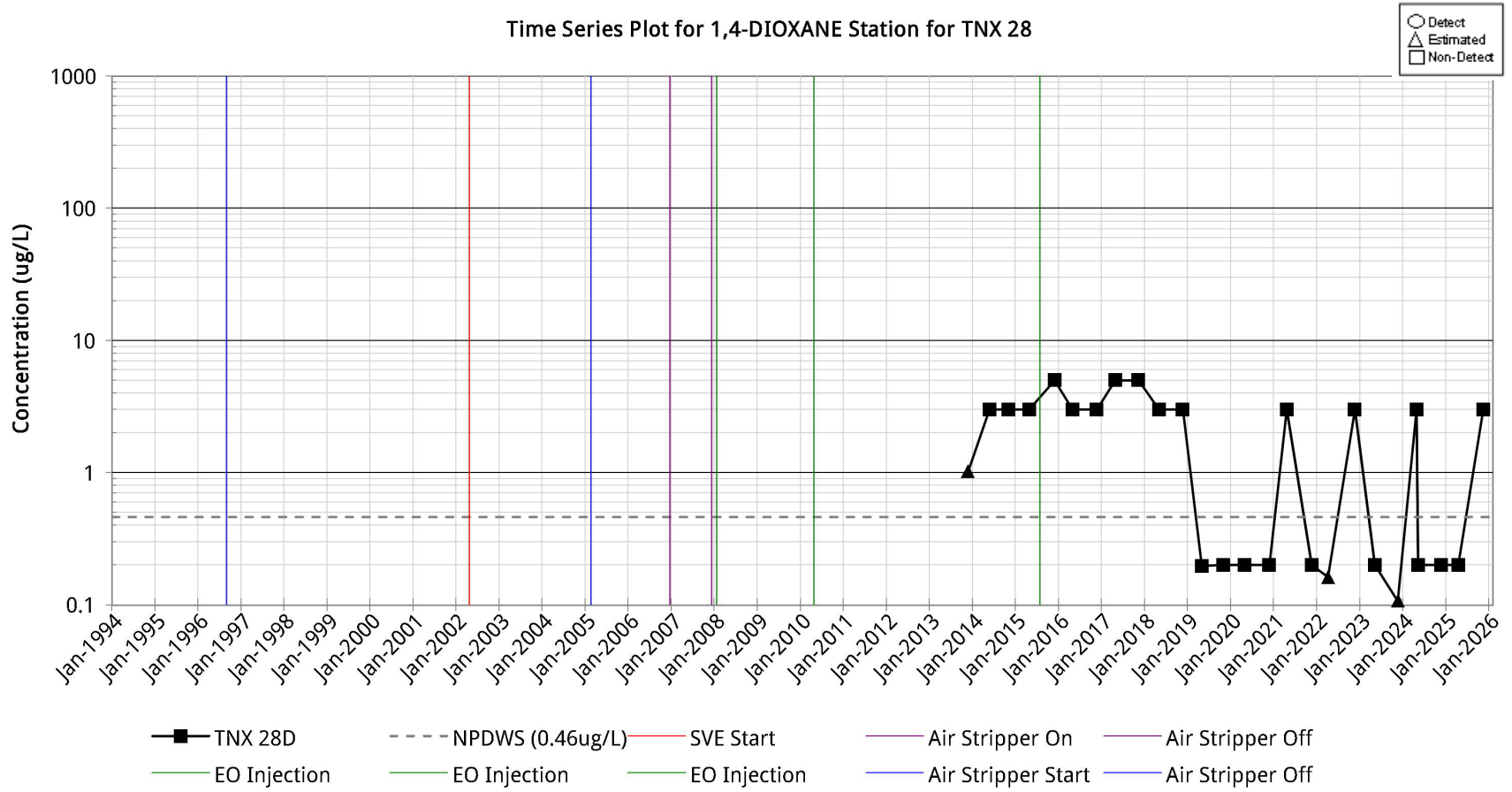
Jan-2025
Jan-2026
TNX 27D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 28
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
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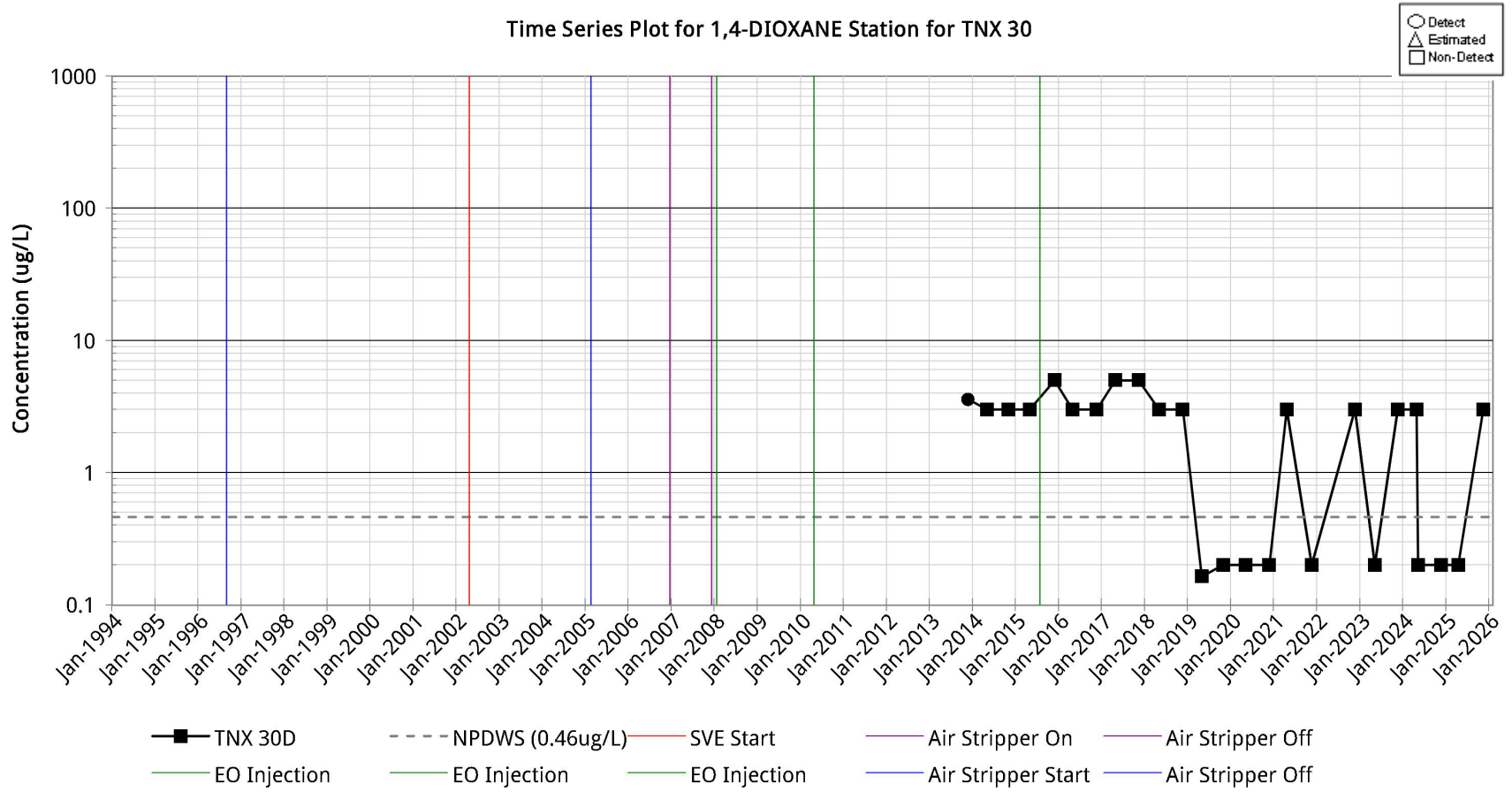
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 28D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 30
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
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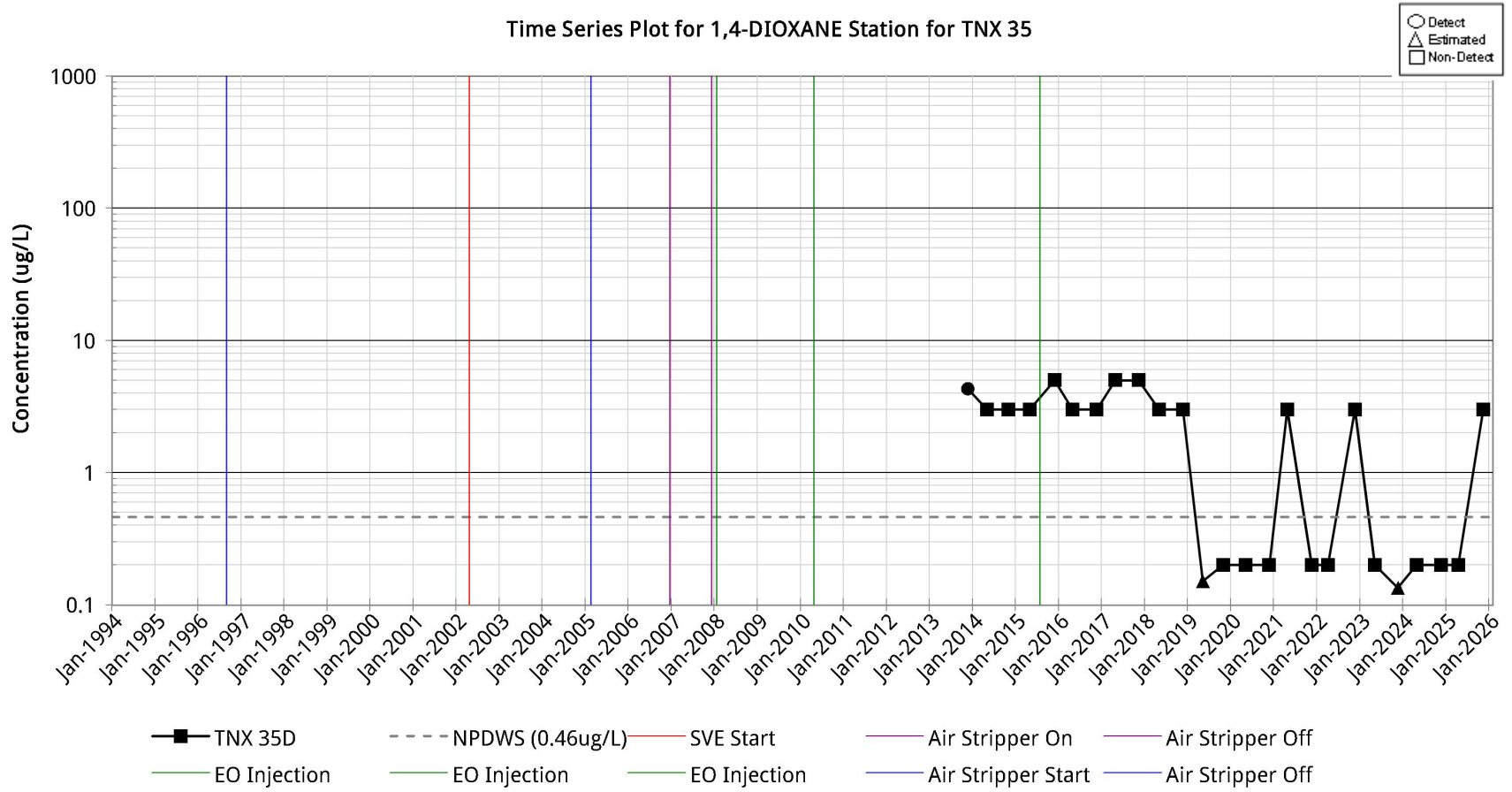
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 30D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 35
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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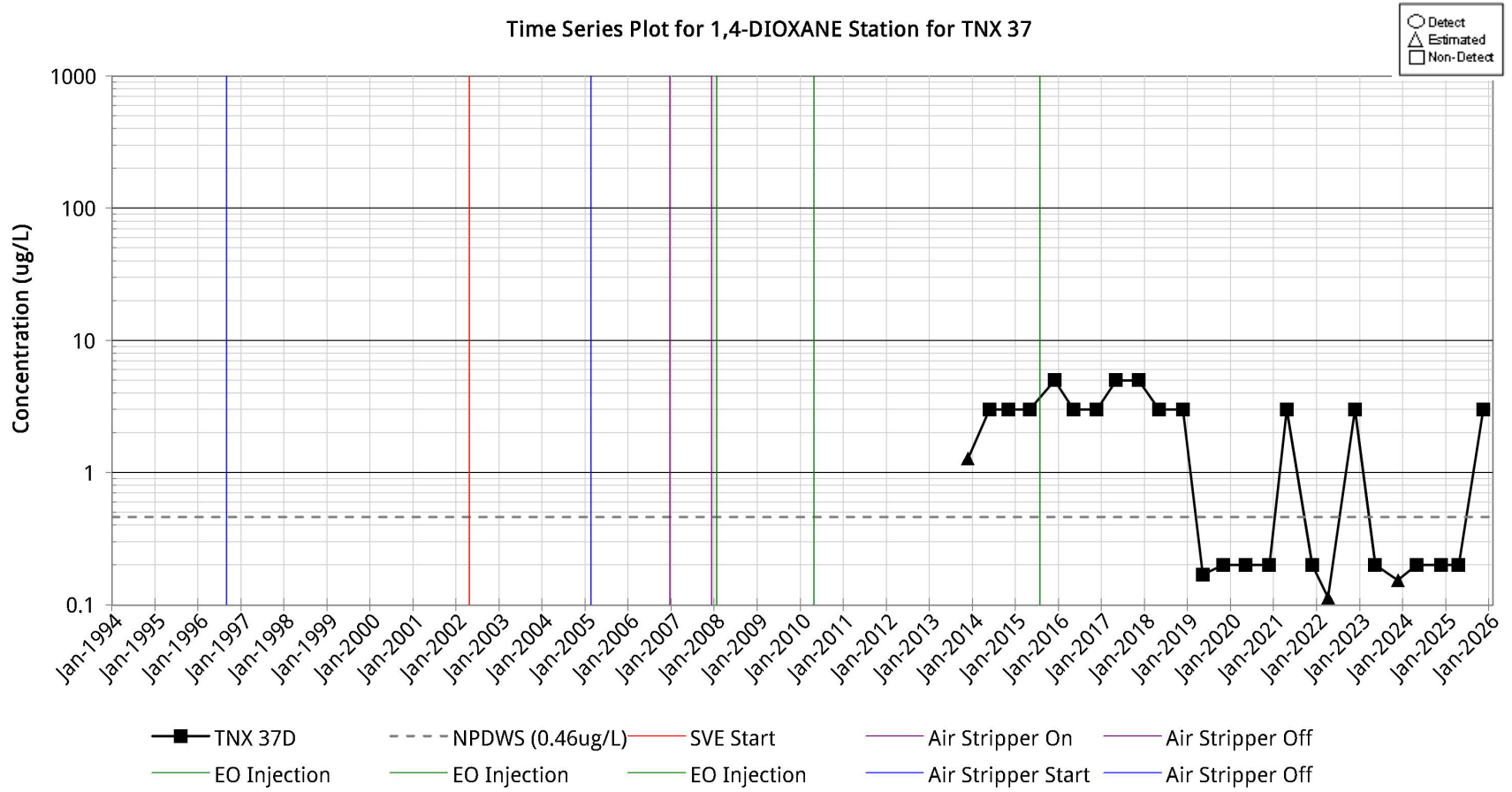
Jan-2025
Jan-2026
TNX 35D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 37
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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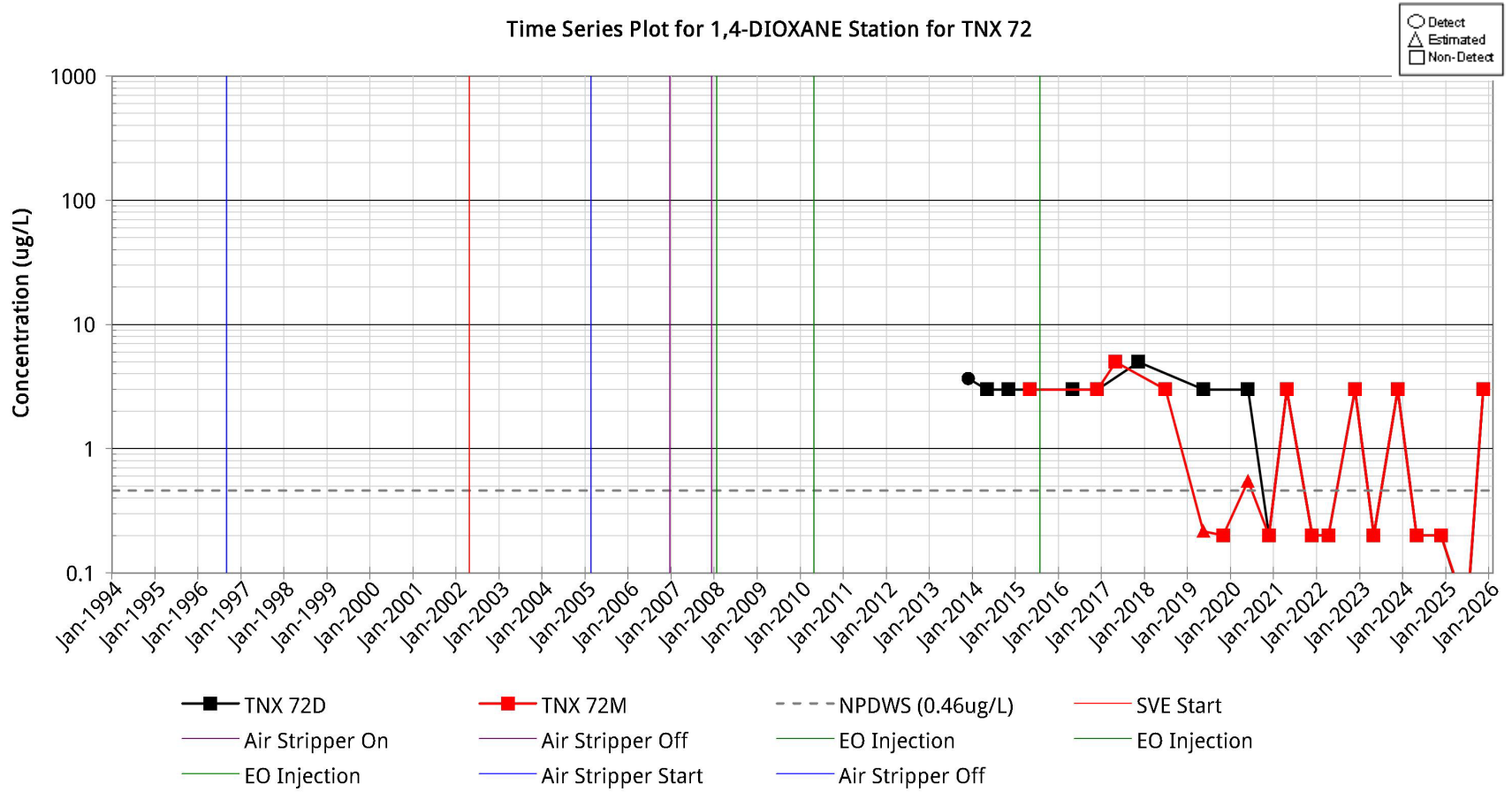
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 37D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX 72
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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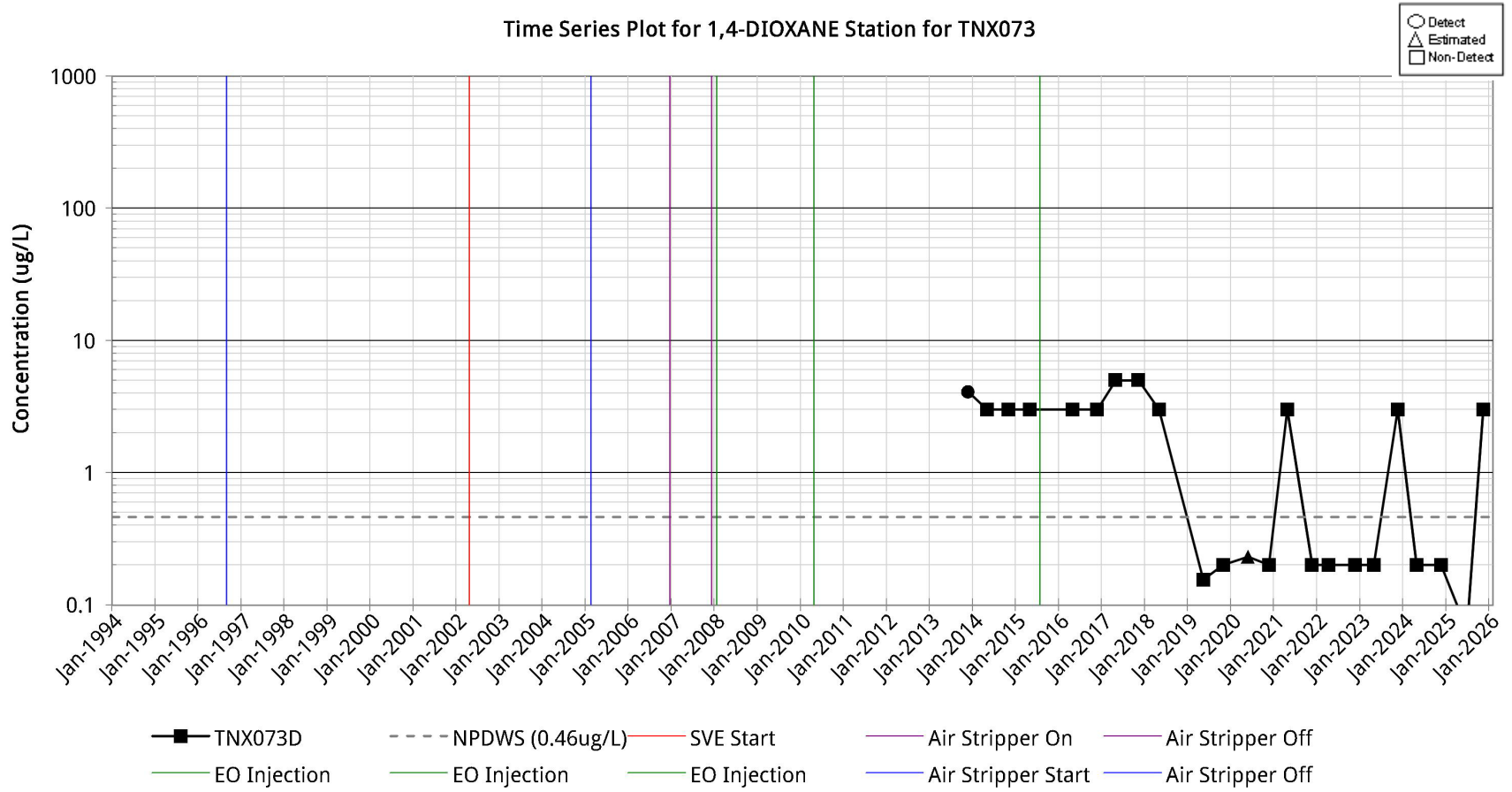
Jan-2025
Jan-2026
TNX 72D
TNX 72M
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX073
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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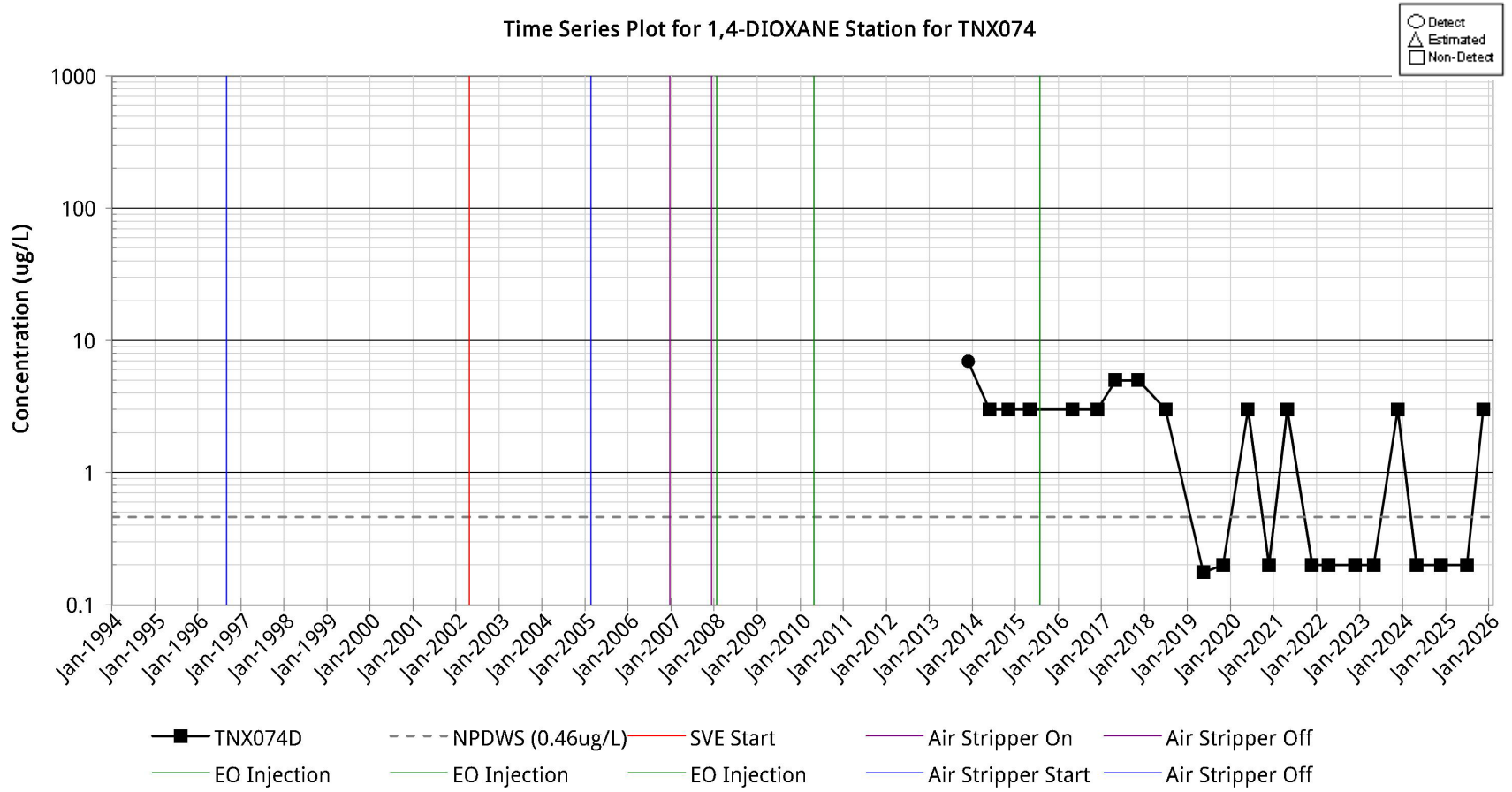
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX073D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX074
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
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Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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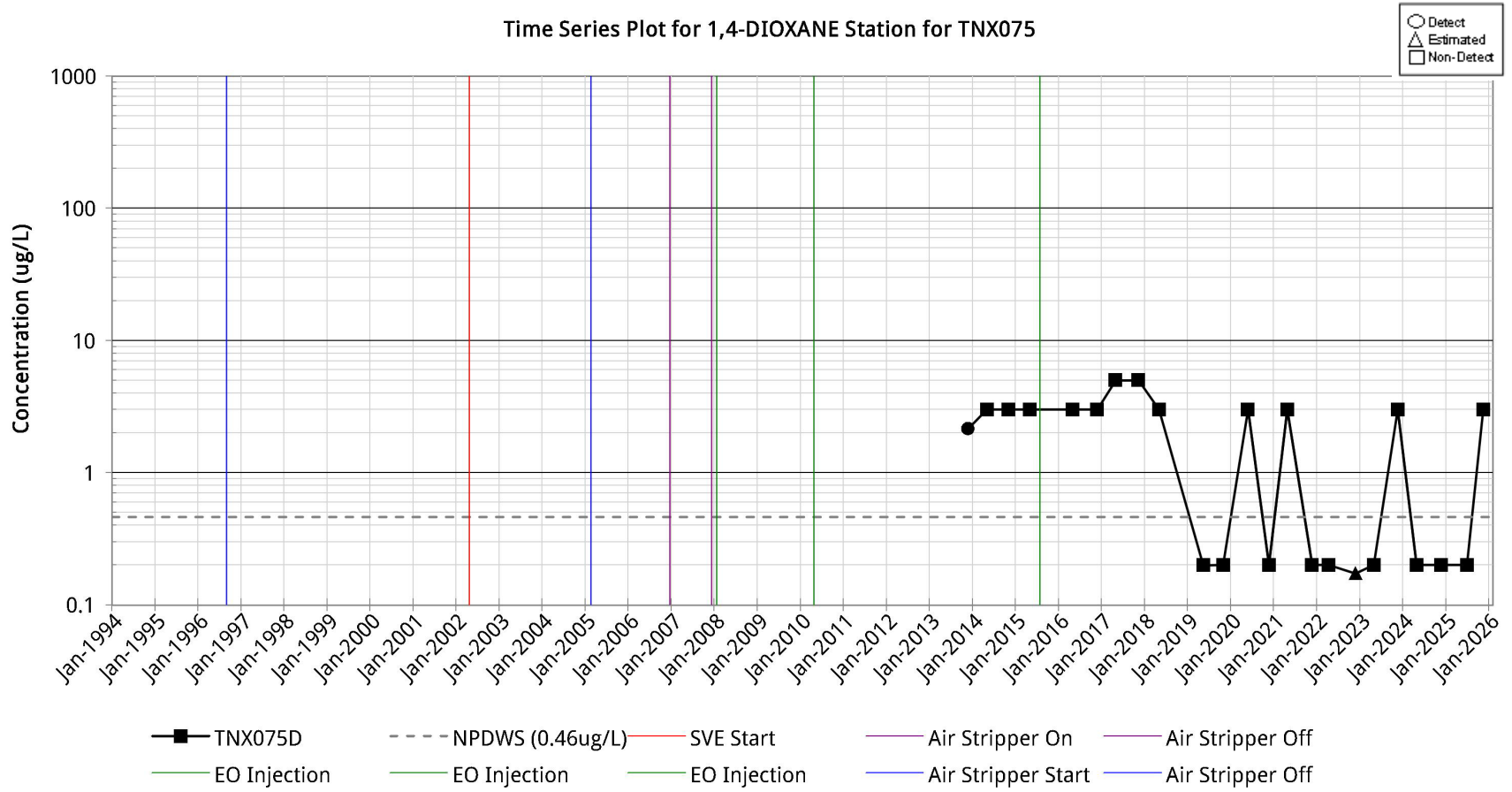
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX074D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX075
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
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Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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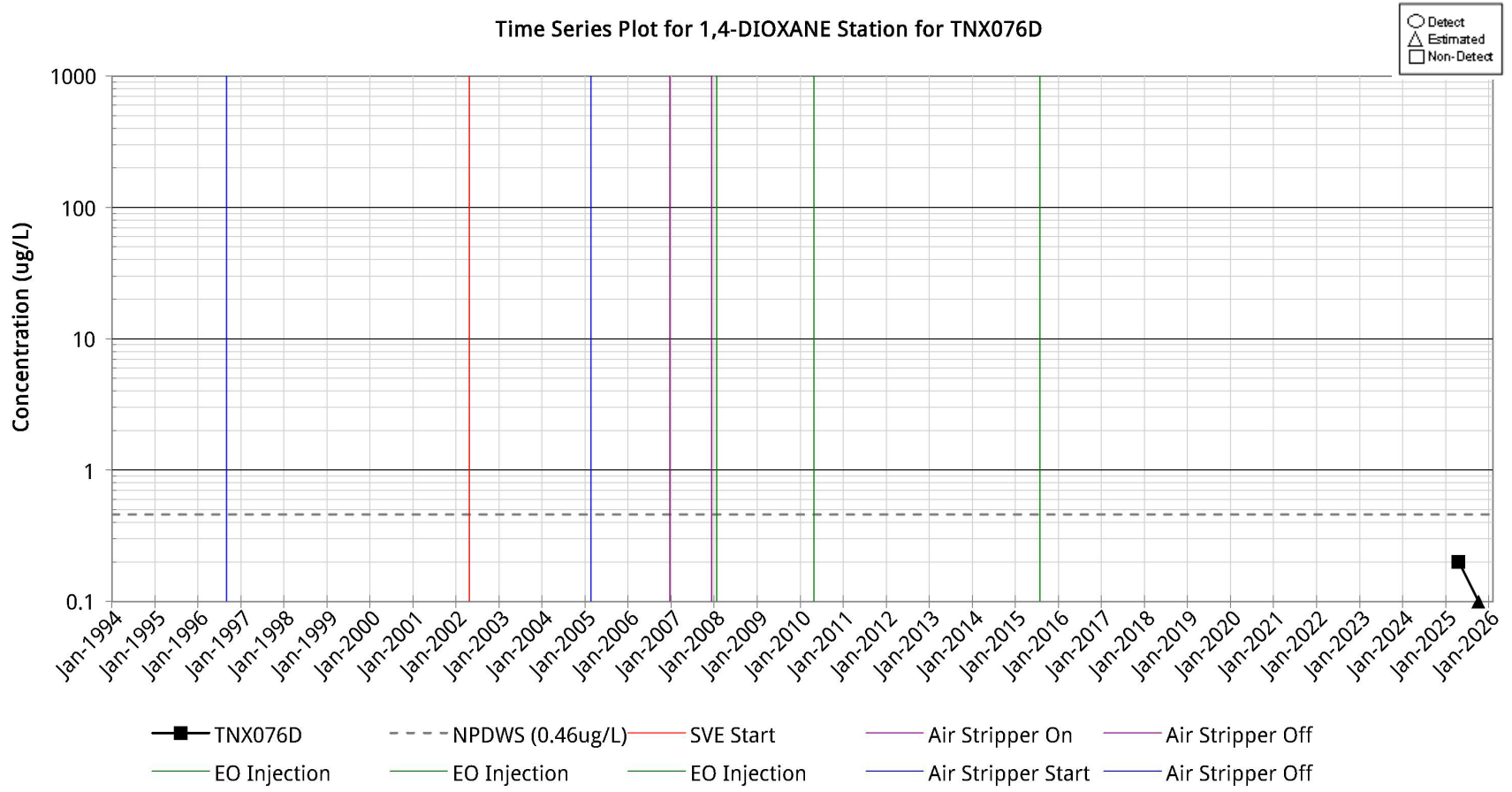
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX075D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TNX076D
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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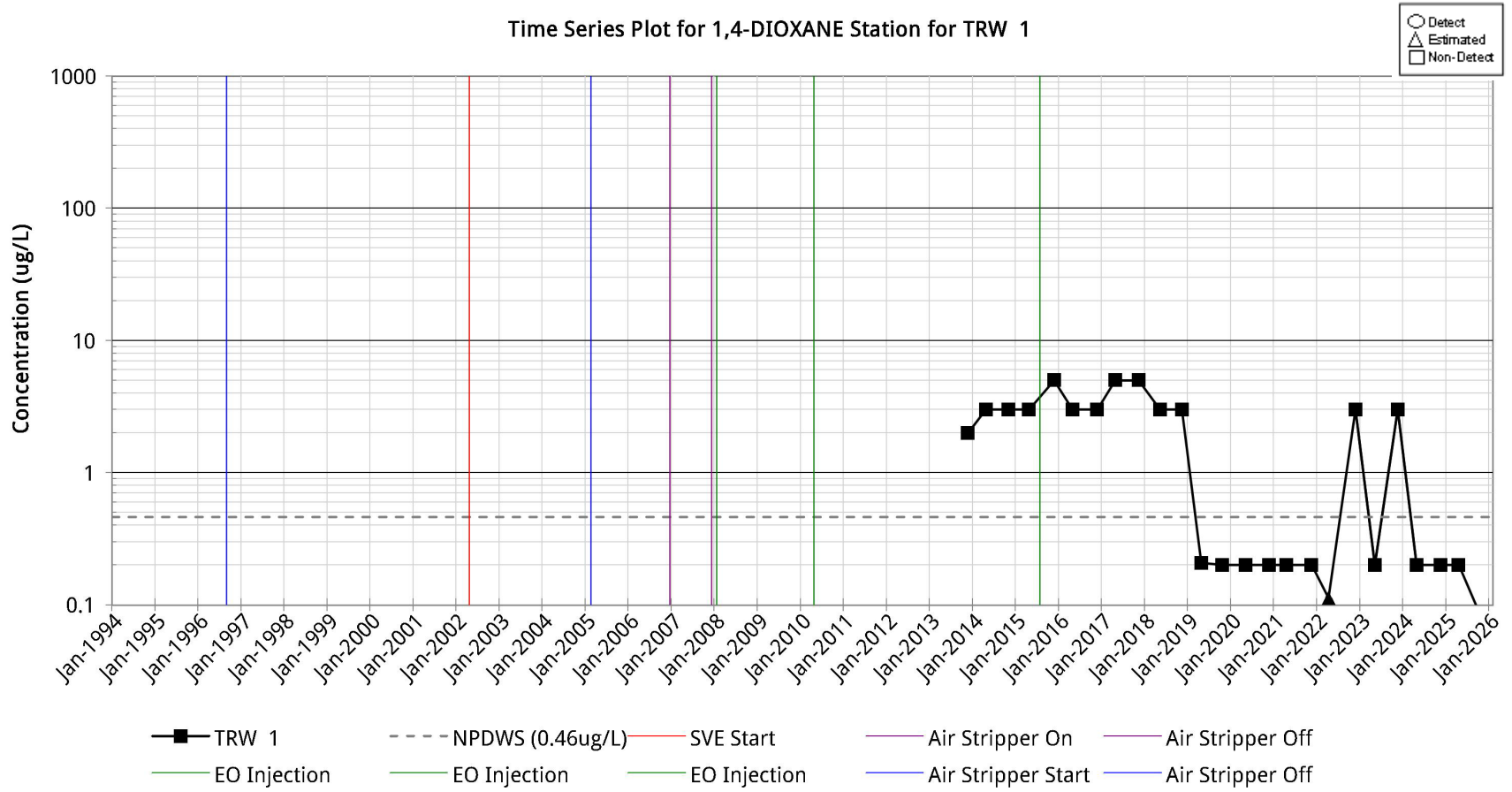
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX076D
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TRW 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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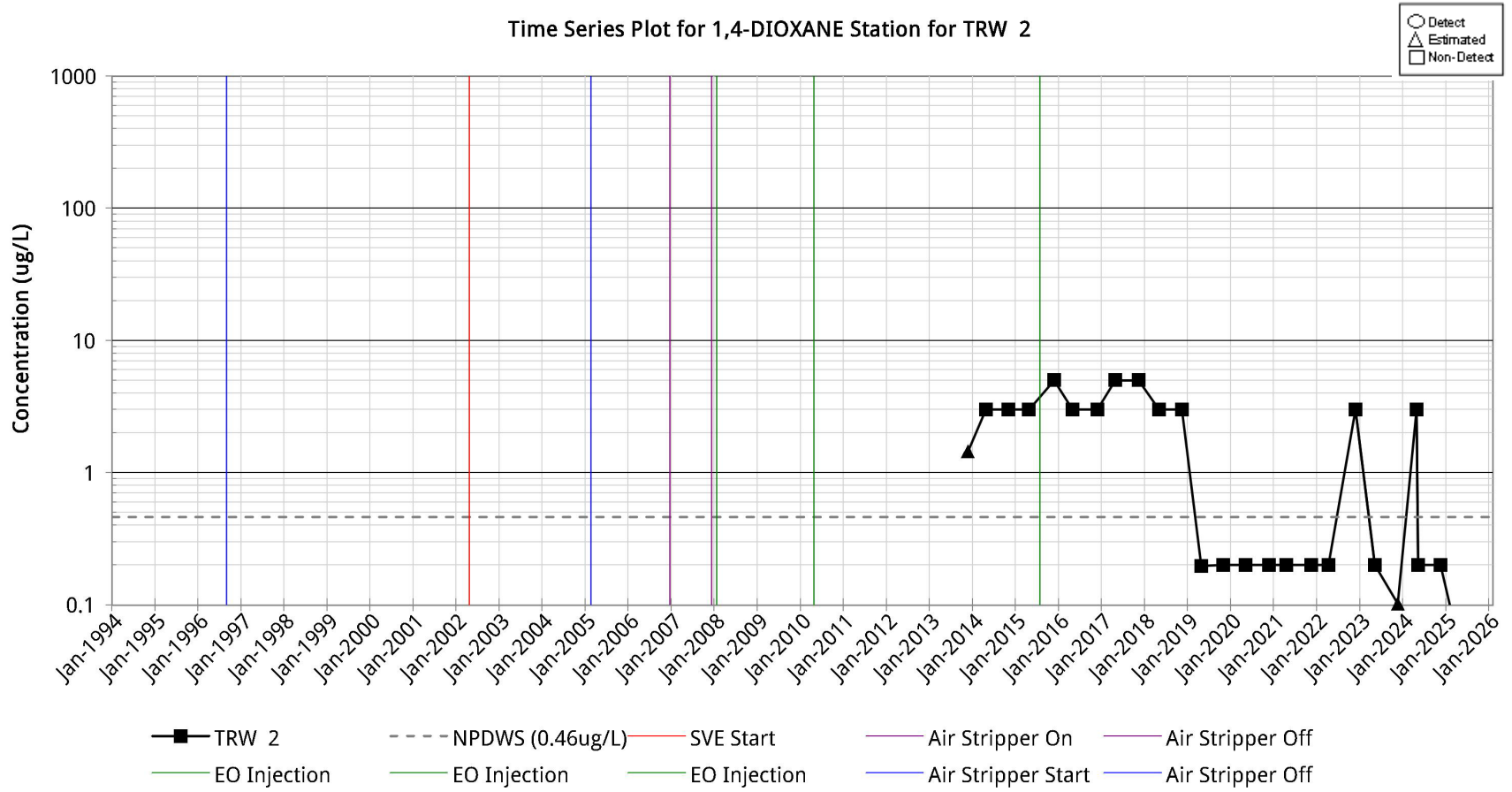
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 1
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TRW 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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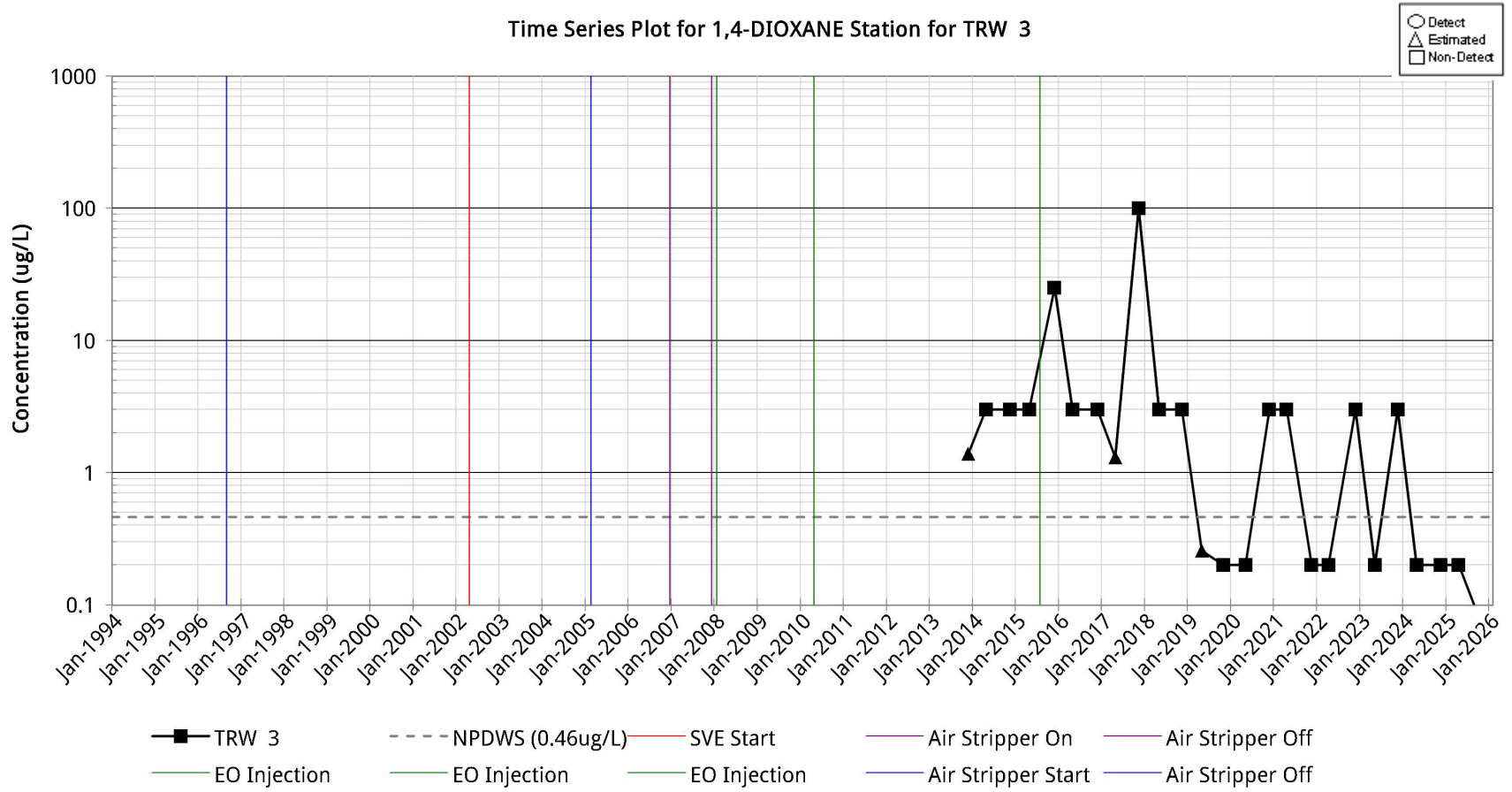
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 2
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TRW 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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Jan-1998
Jan-1999
Jan-2000
Jan-2001
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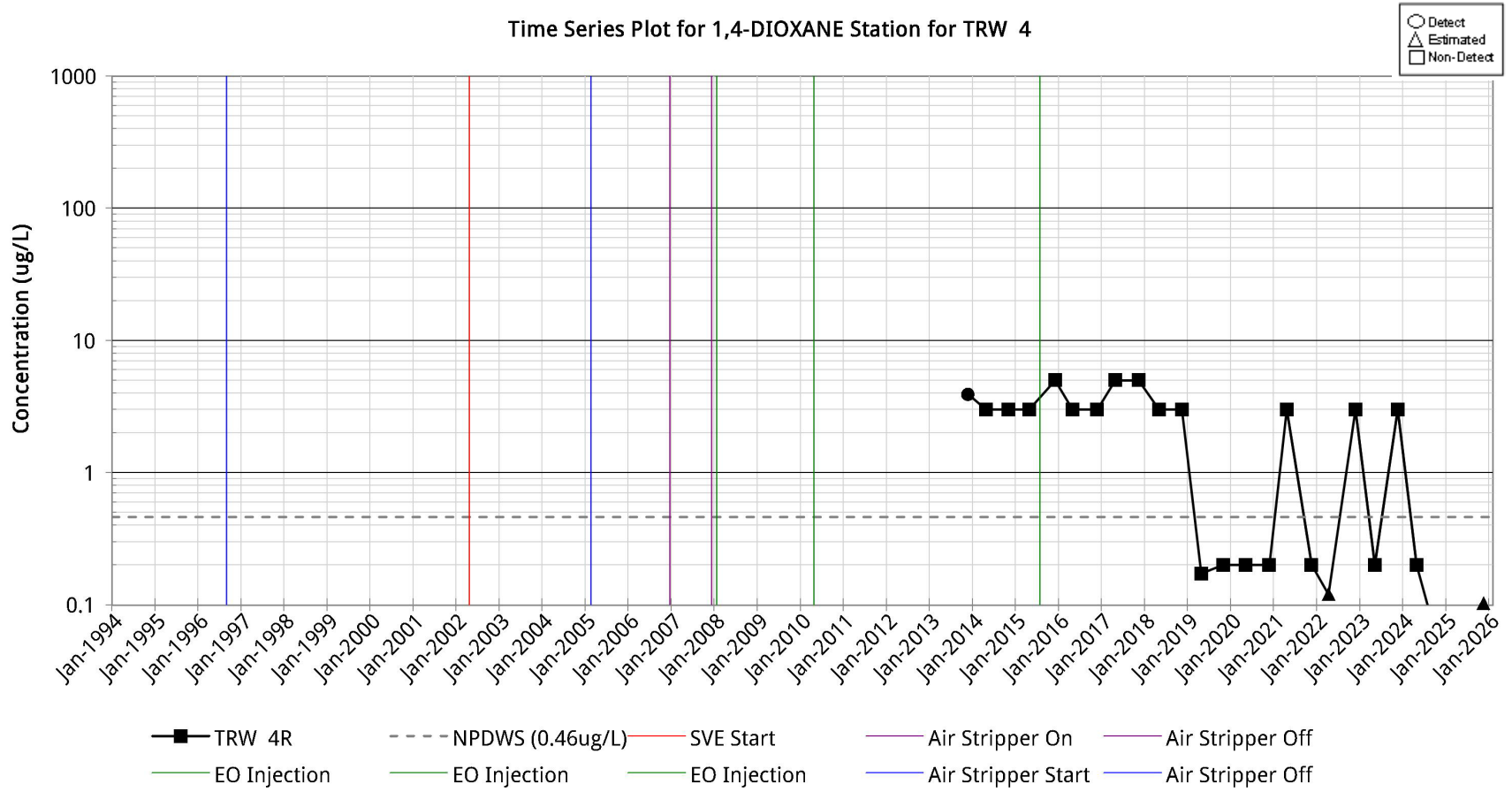
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 3
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TRW 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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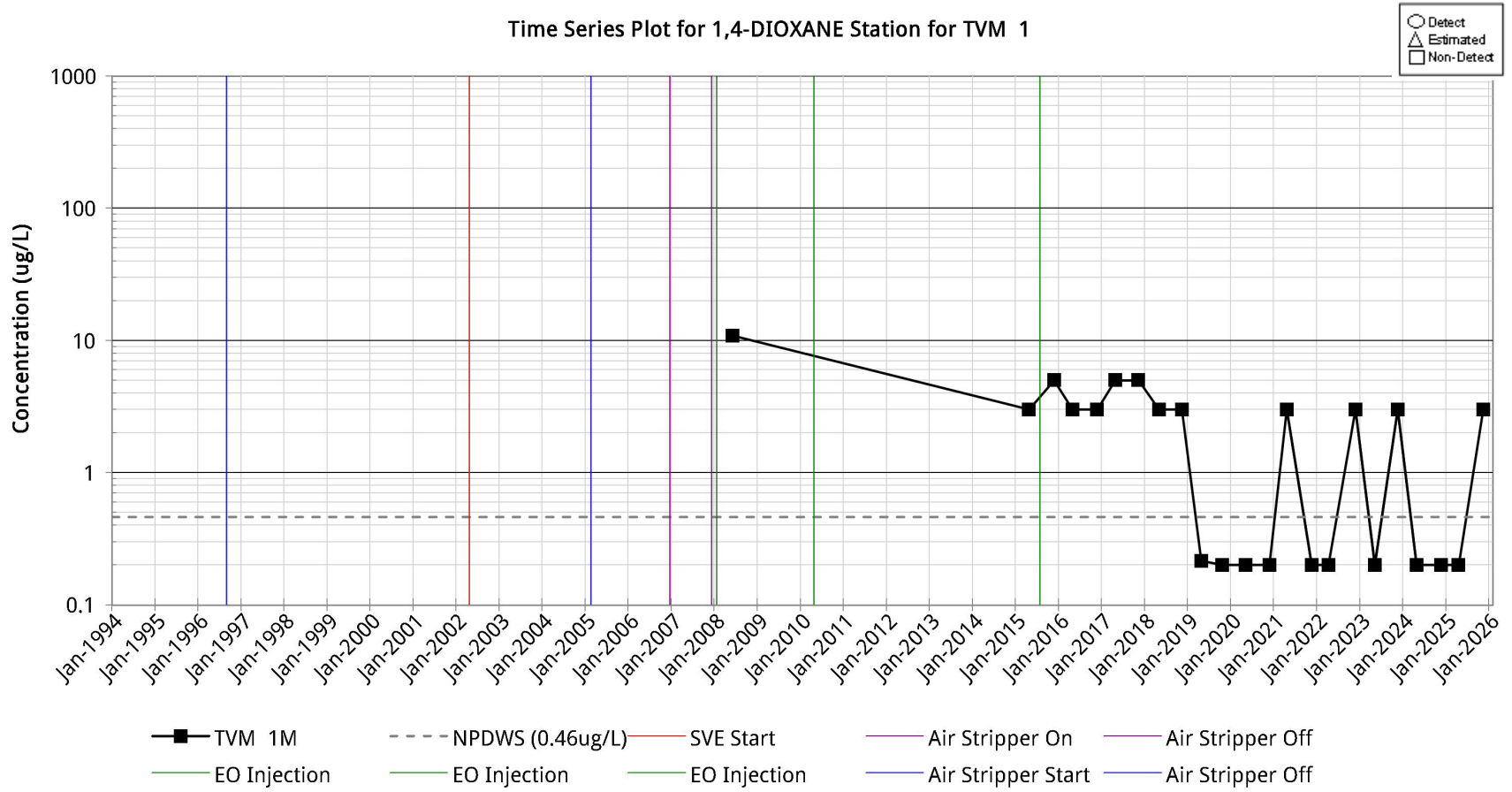
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 4R
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TVM 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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Jan-2006
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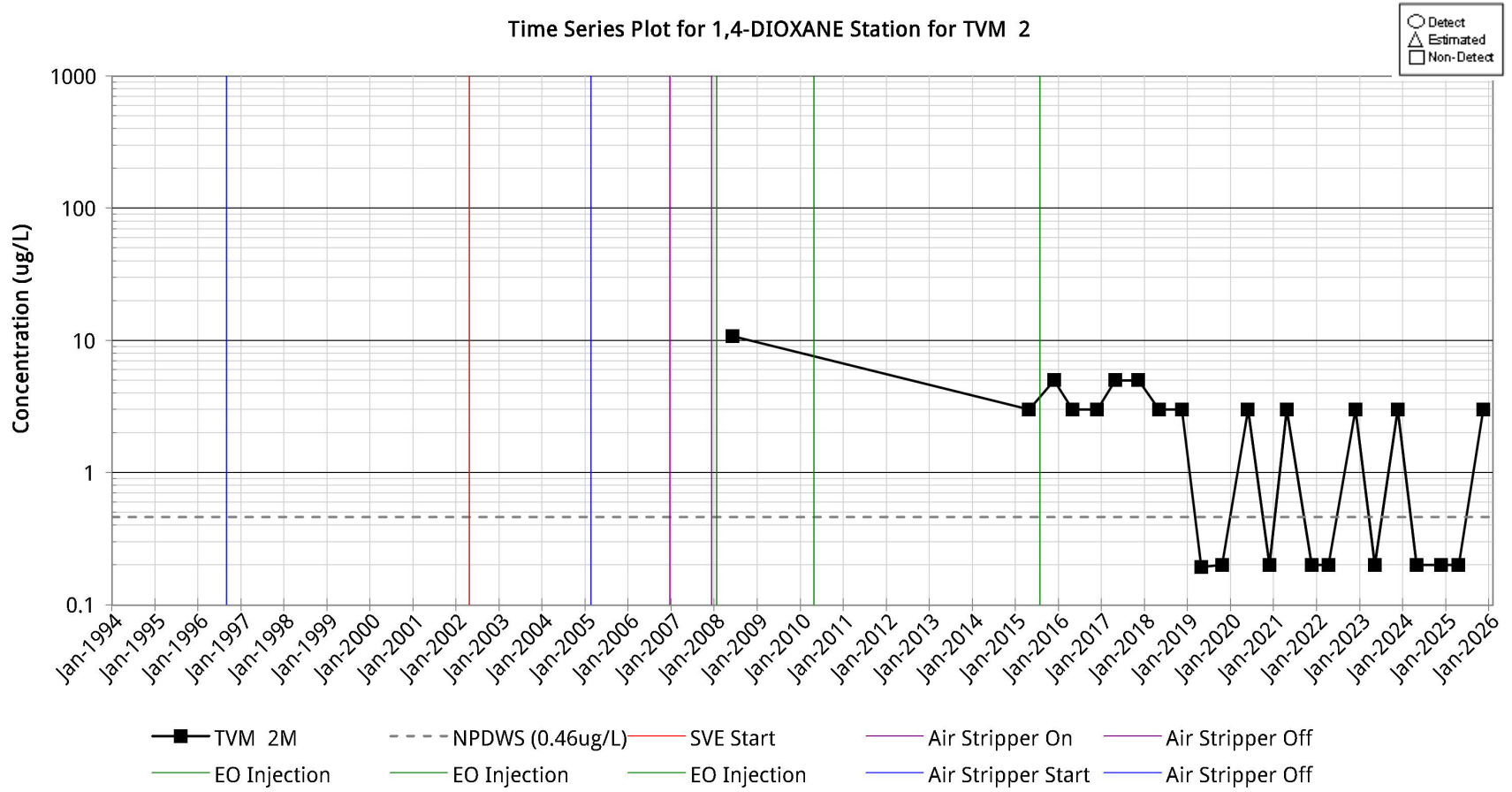
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 1M
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TVM 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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Jan-2006
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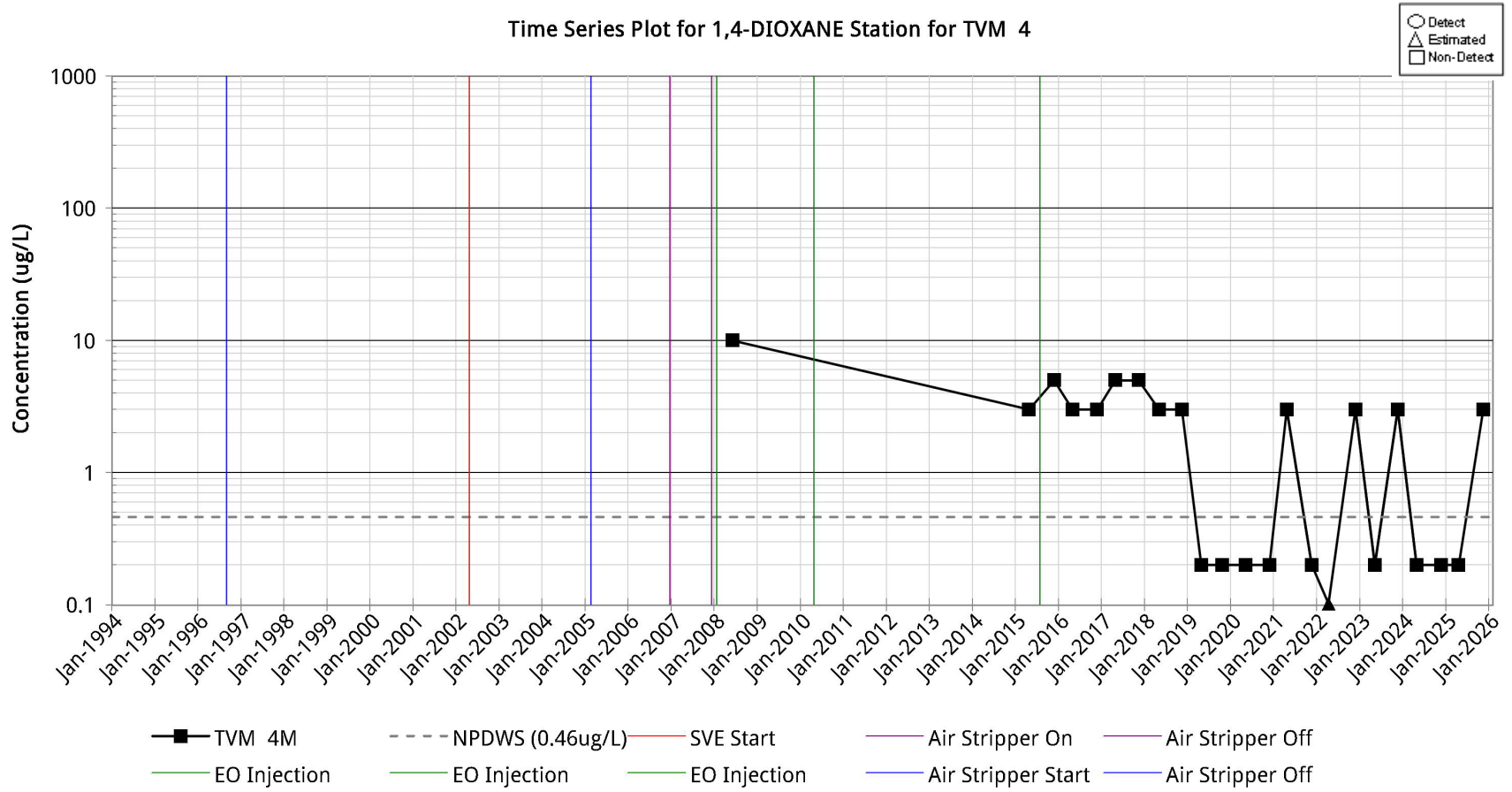
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 2M
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TVM 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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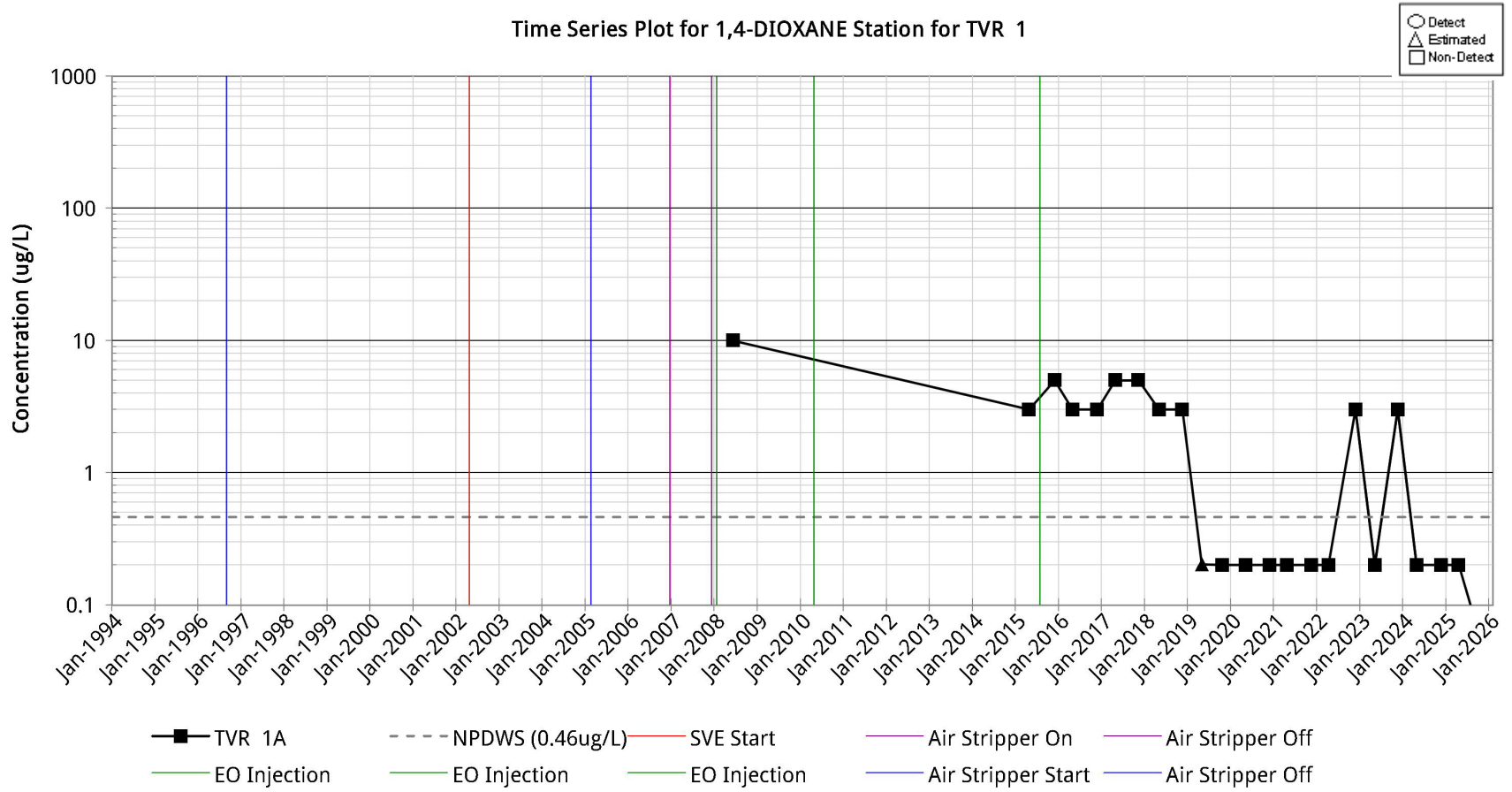
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 4M
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for TVR 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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Jan-2002
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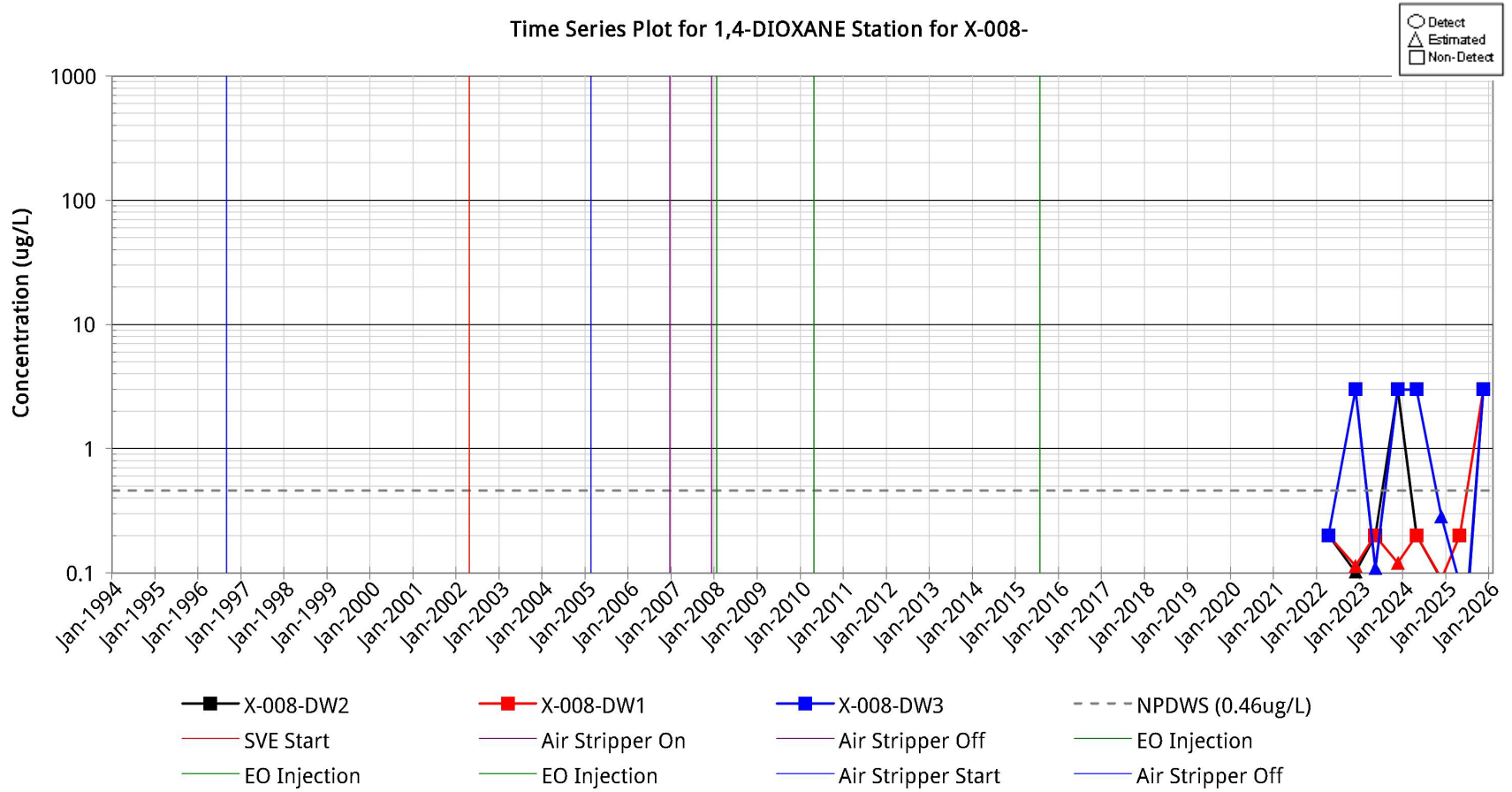
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVR 1A
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for X-008-
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
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Jan-1998
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Jan-2000
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Jan-2002
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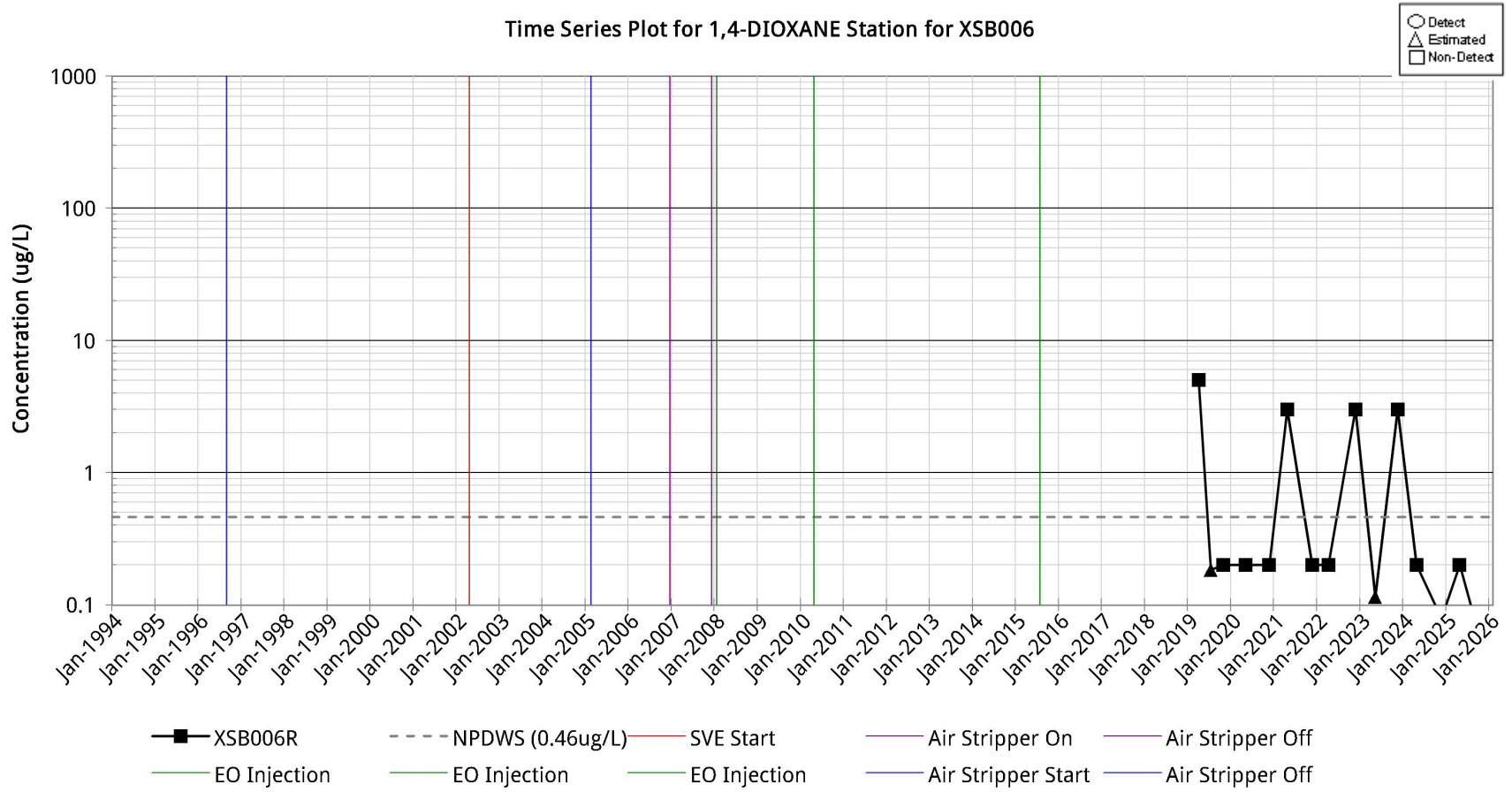
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
X-008-DW2
X-008-DW1
X-008-DW3
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for 1,4-DIOXANE Station for XSB006
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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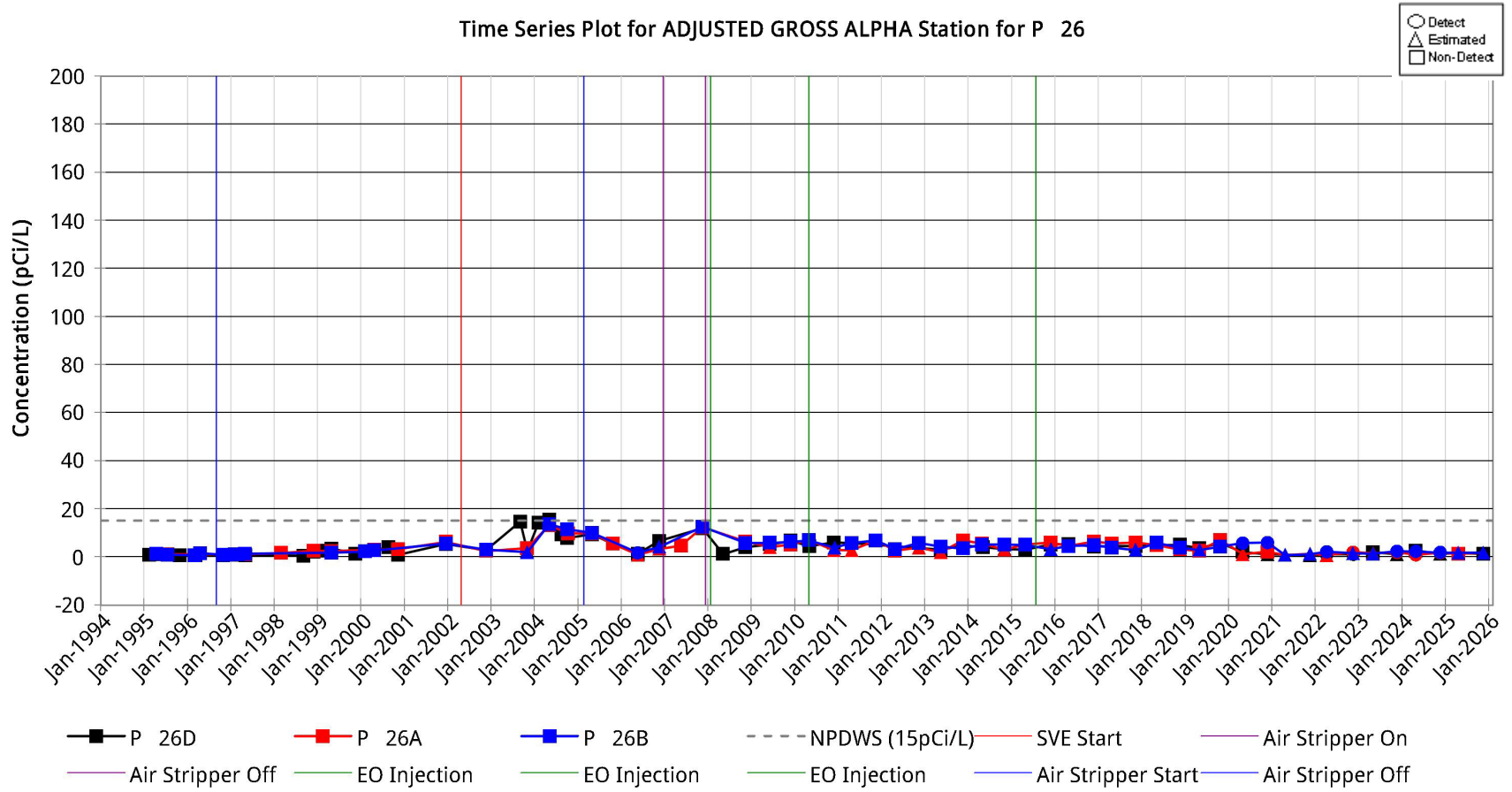
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
XSB006R
NPDWS (0.46ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for P 26
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
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Jan-2001
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Jan-2006
Jan-2007
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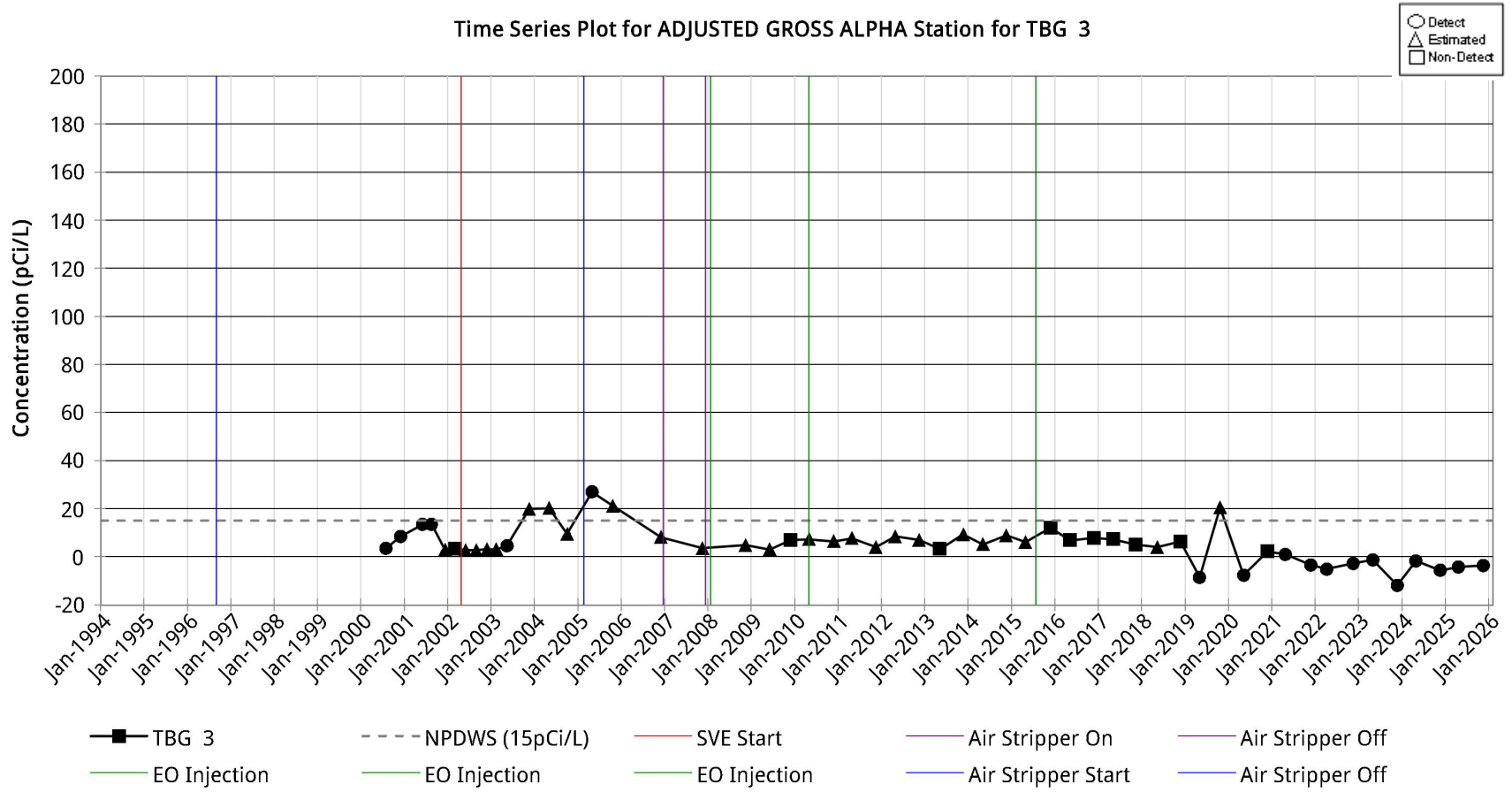
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
P 26D
P 26A
P 26B
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TBG 3
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
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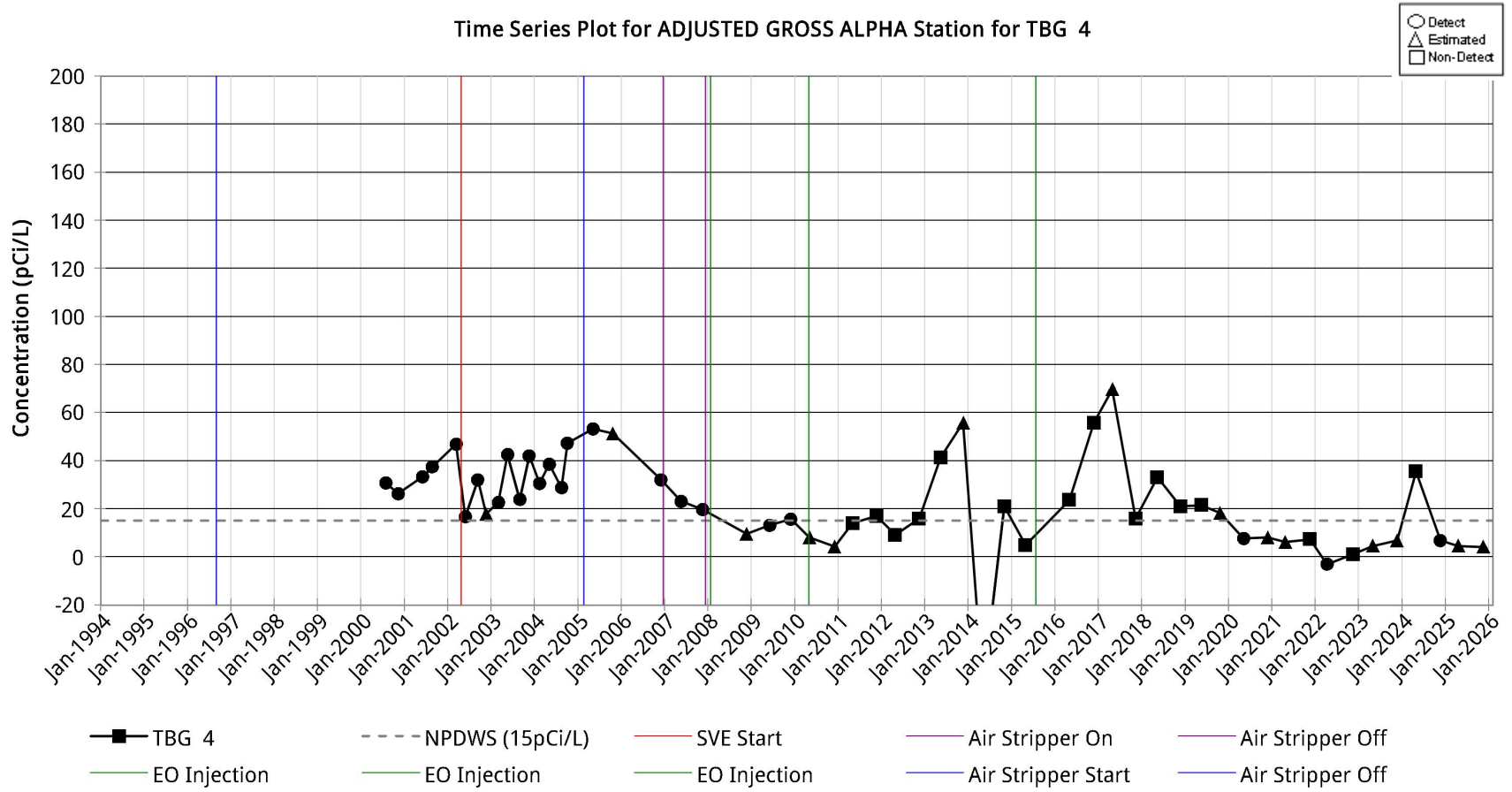
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 3
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TBG 4
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
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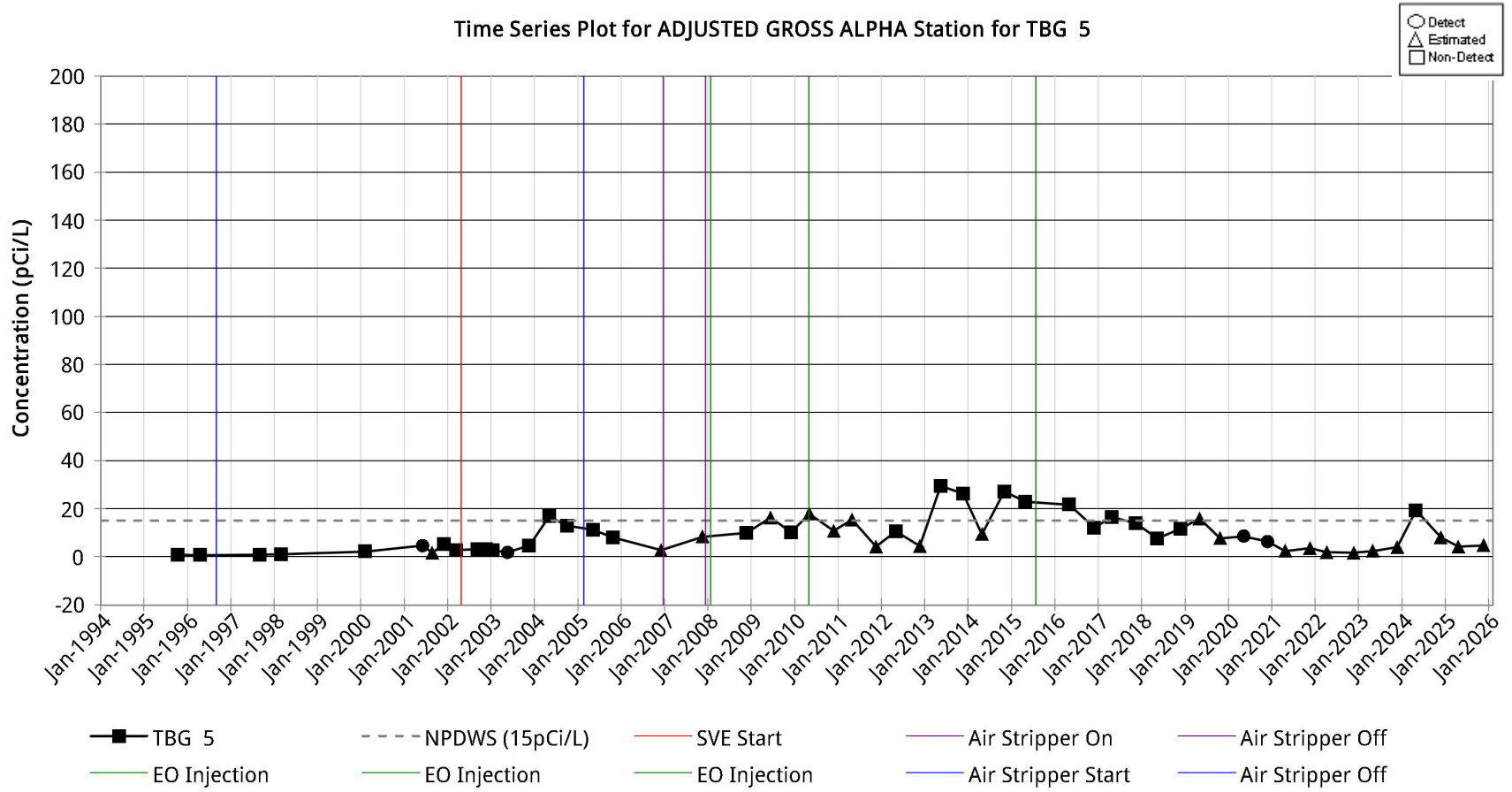
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 4
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TBG 5
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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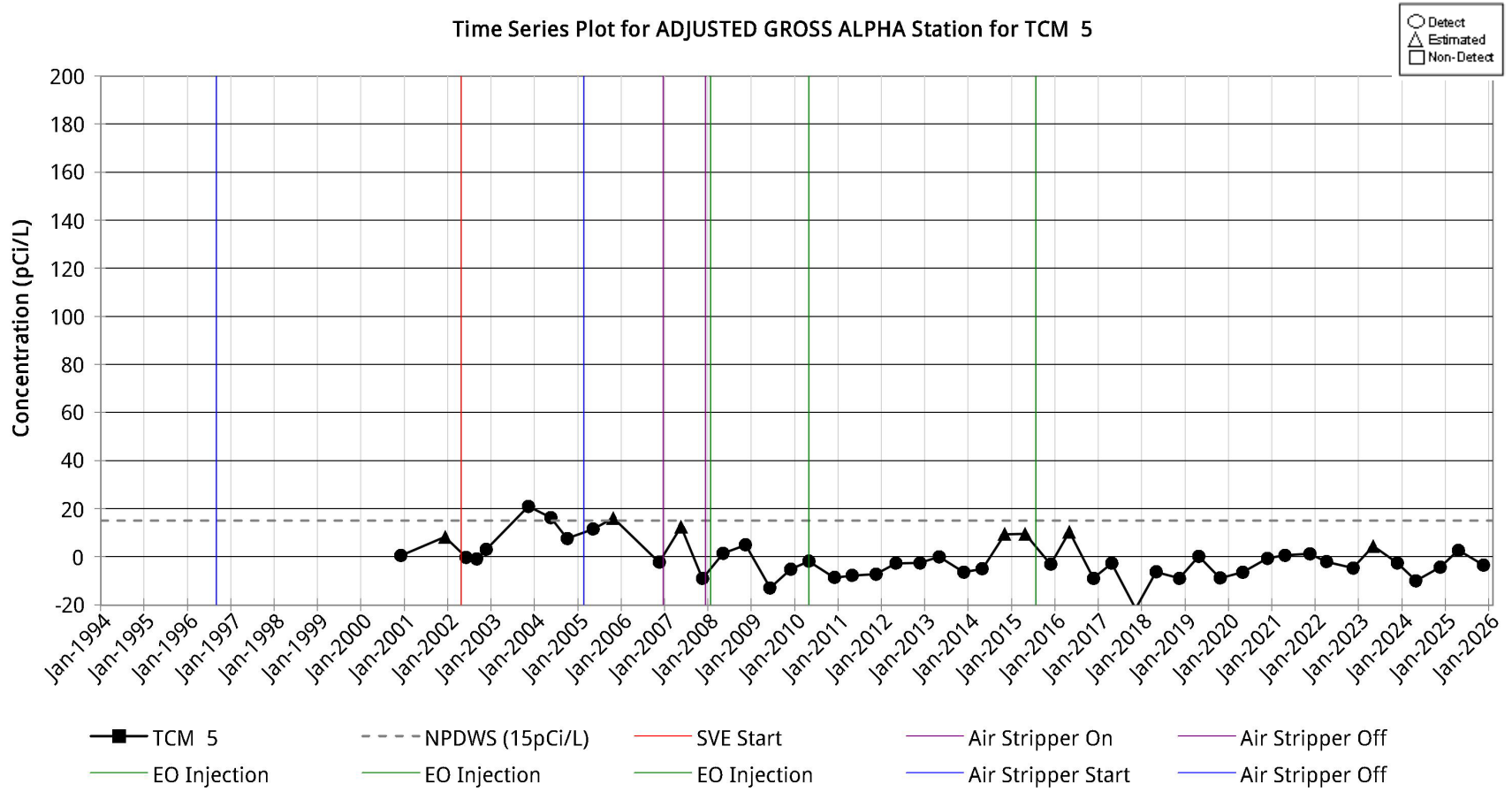
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 5
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TCM 5
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
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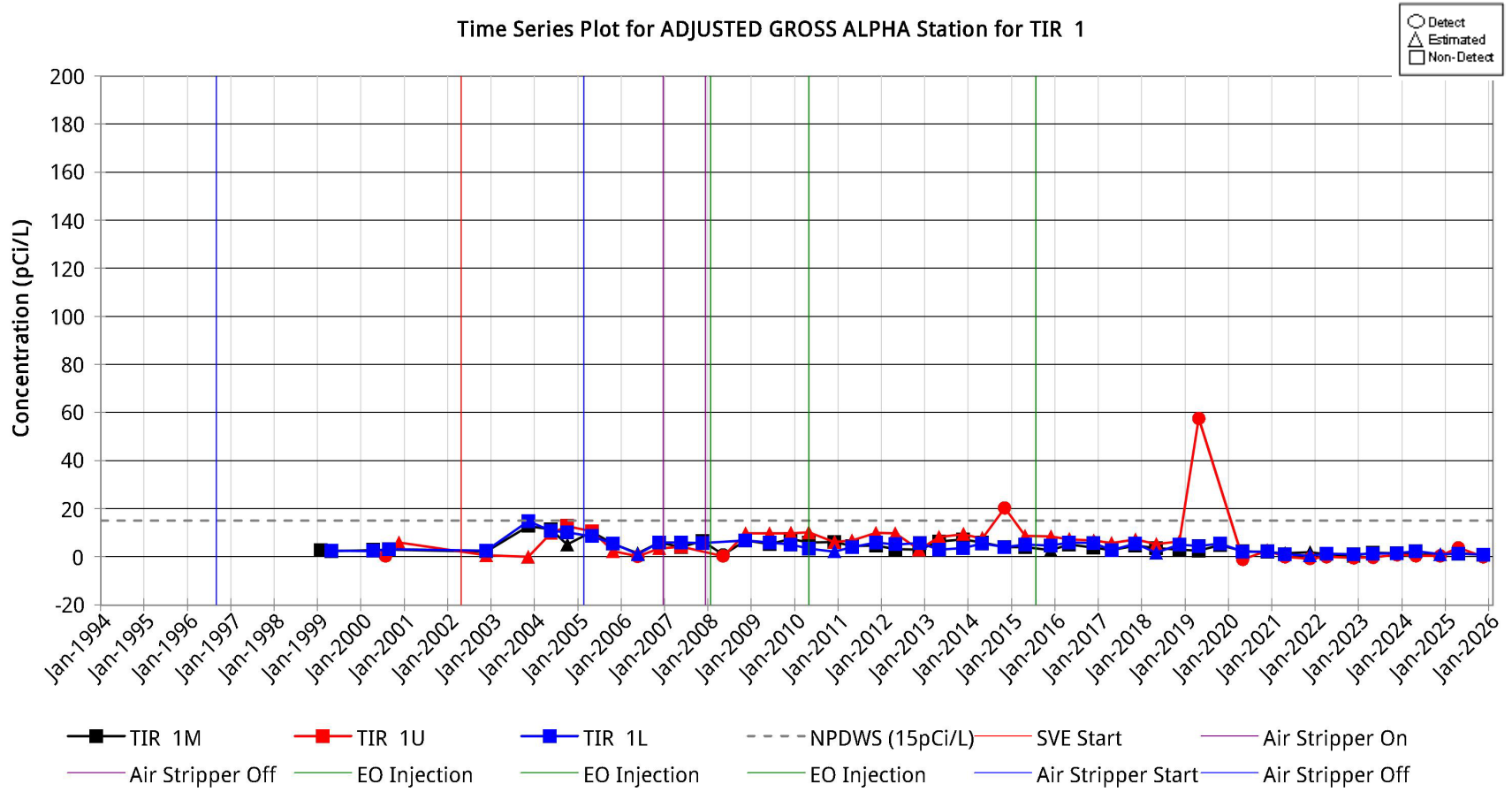
Jan-2026
TCM 5
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TIR 1
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
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Jan-1994
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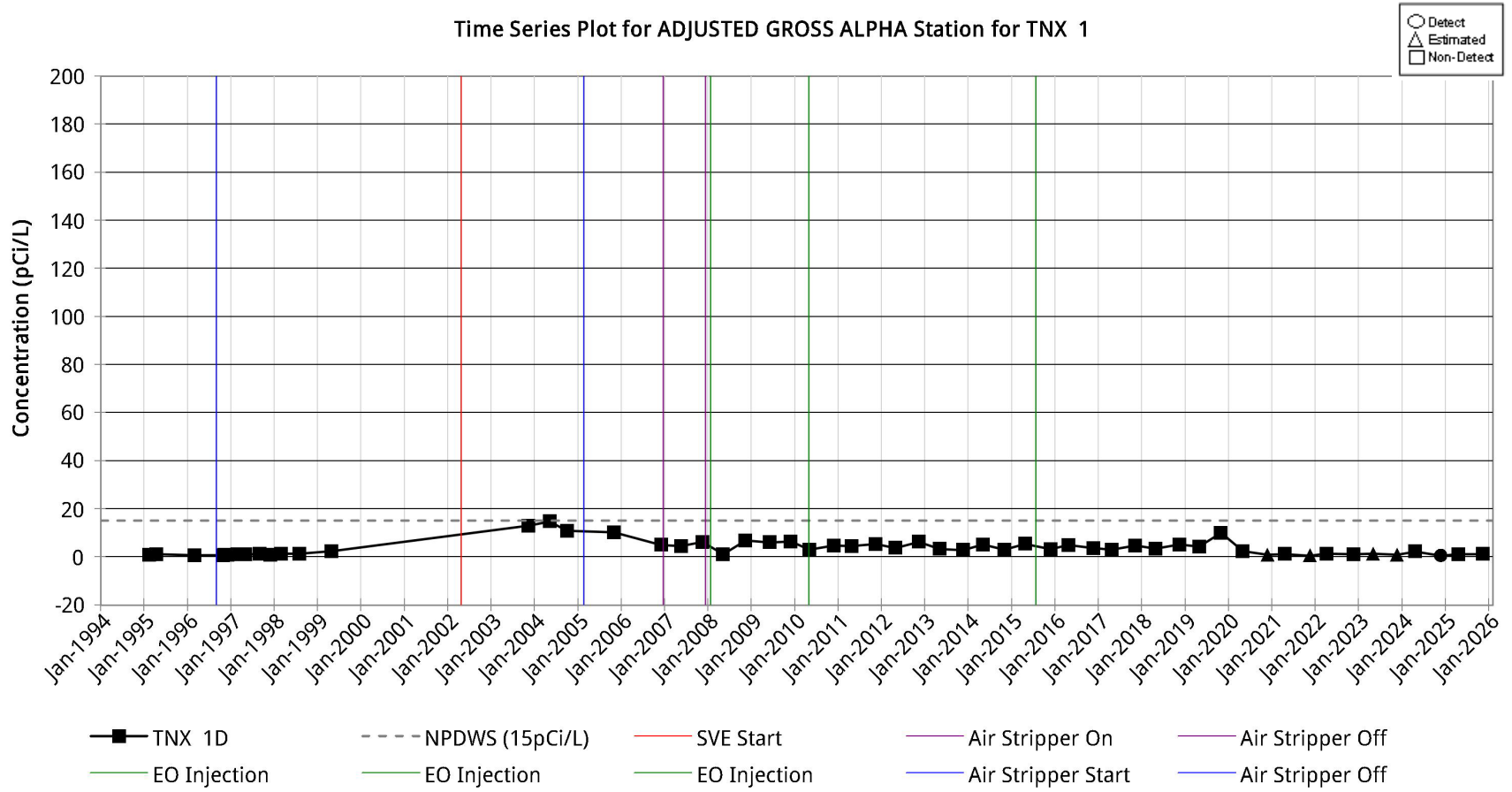
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TIR 1M
TIR 1U
TIR 1L
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 1
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
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Jan-1994
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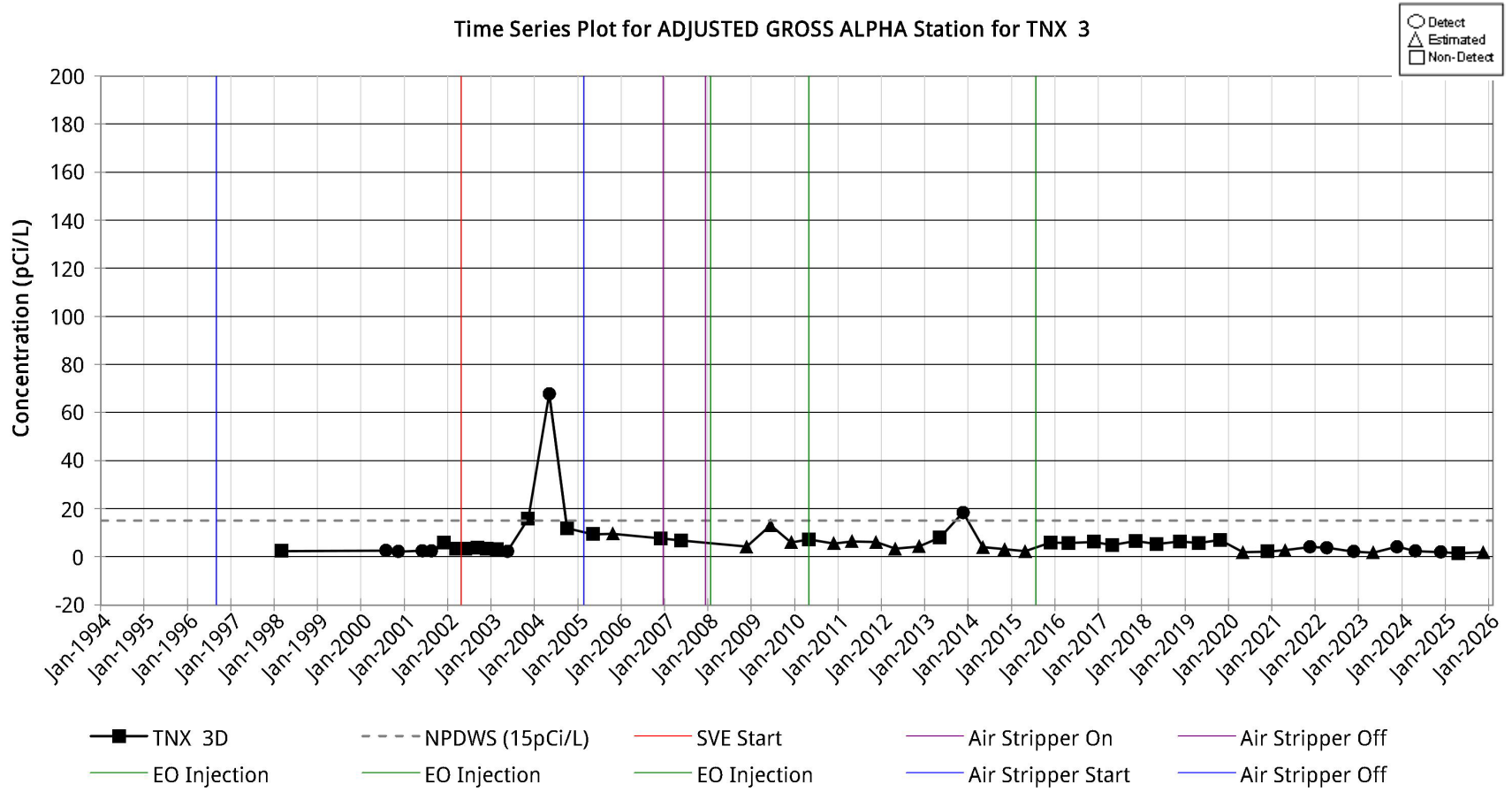
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 1D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 3
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
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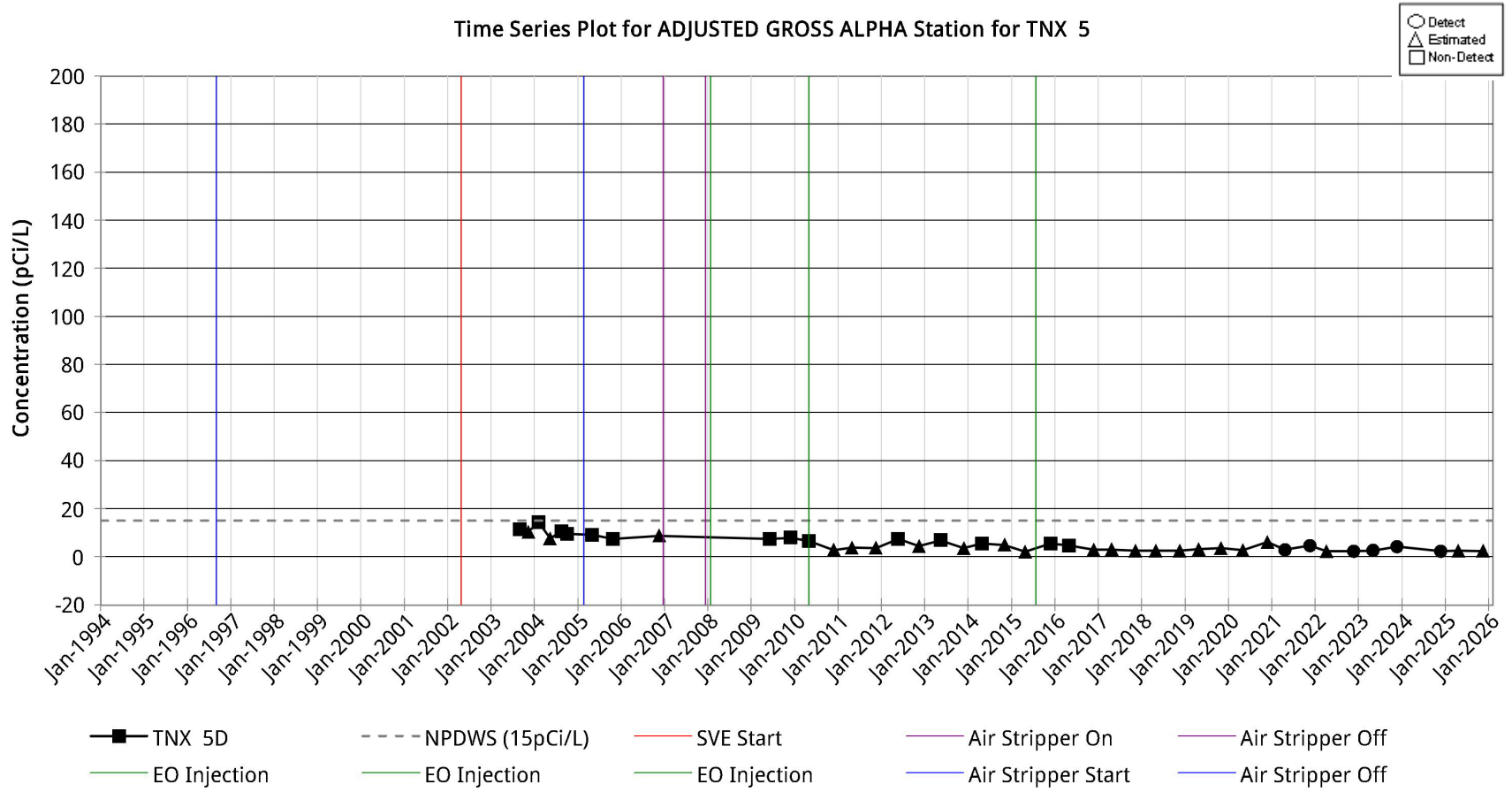
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 3D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 5
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
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100
80
60
40
20
0
-20
Jan-1994
Jan-1995
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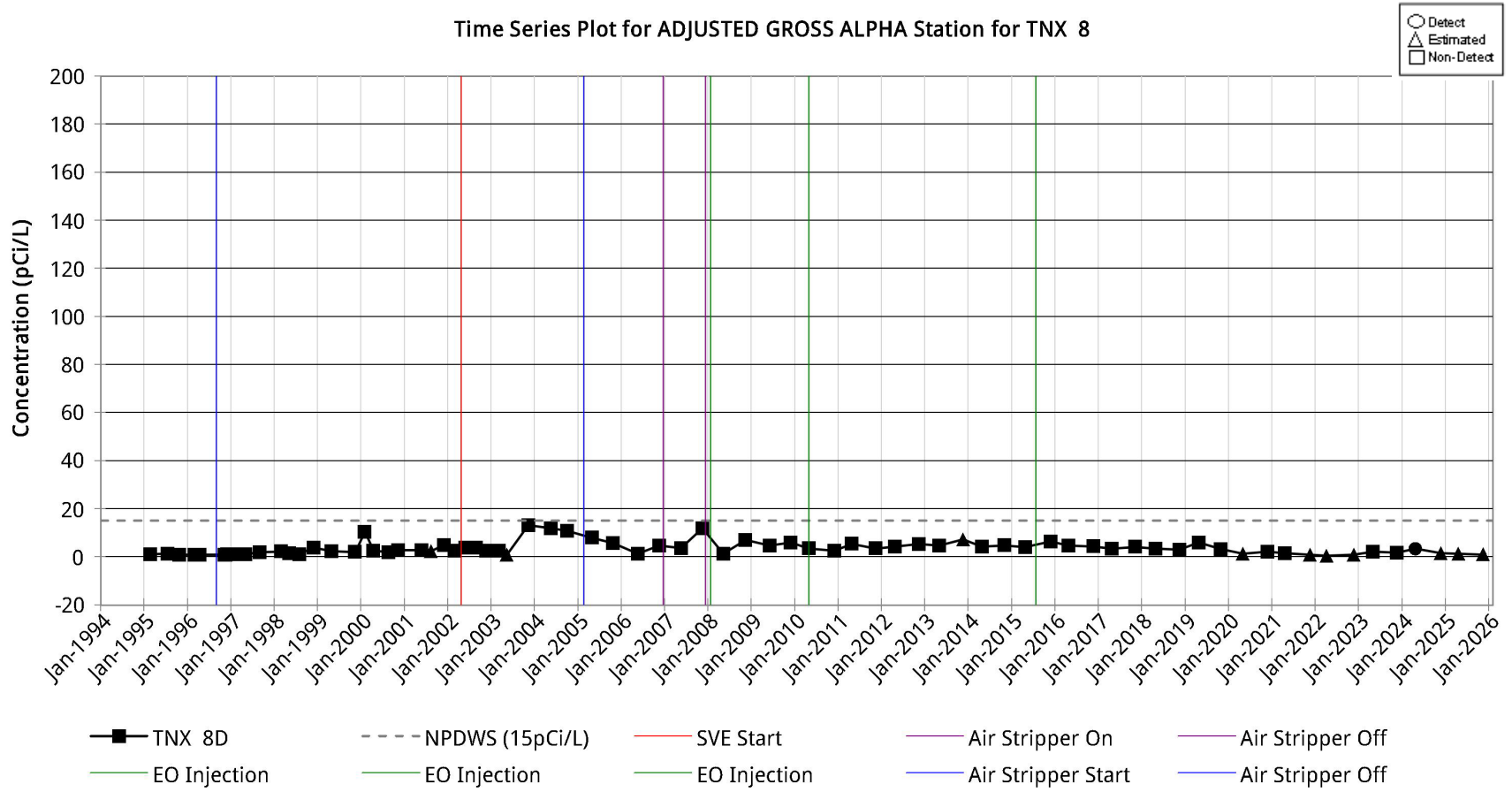
Jan-2024
Jan-2025
Jan-2026
TNX 5D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 8
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
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80
60
40
20
0
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Jan-1994
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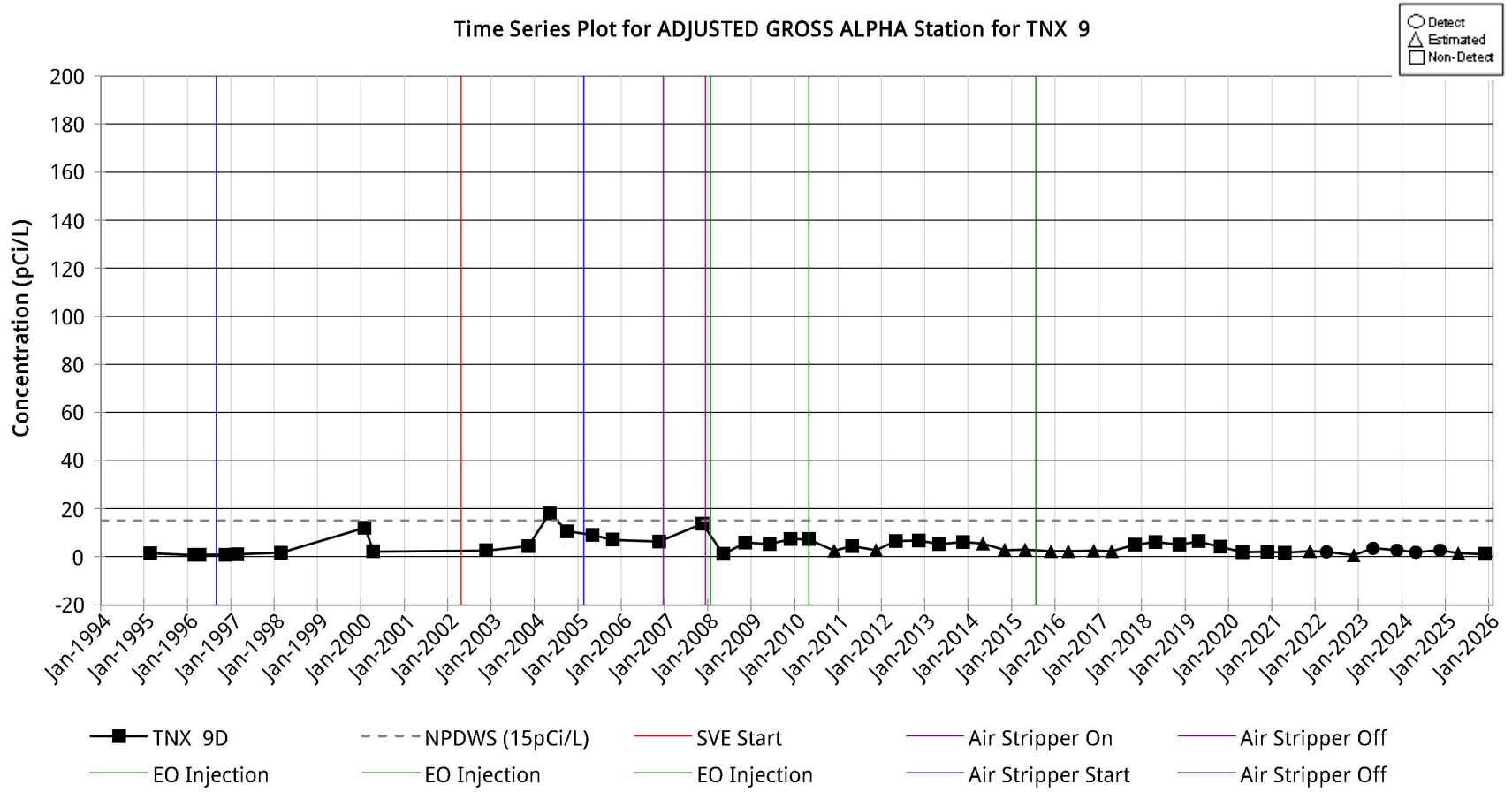
Jan-2025
Jan-2026
TNX 8D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 9
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
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60
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20
0
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Jan-1994
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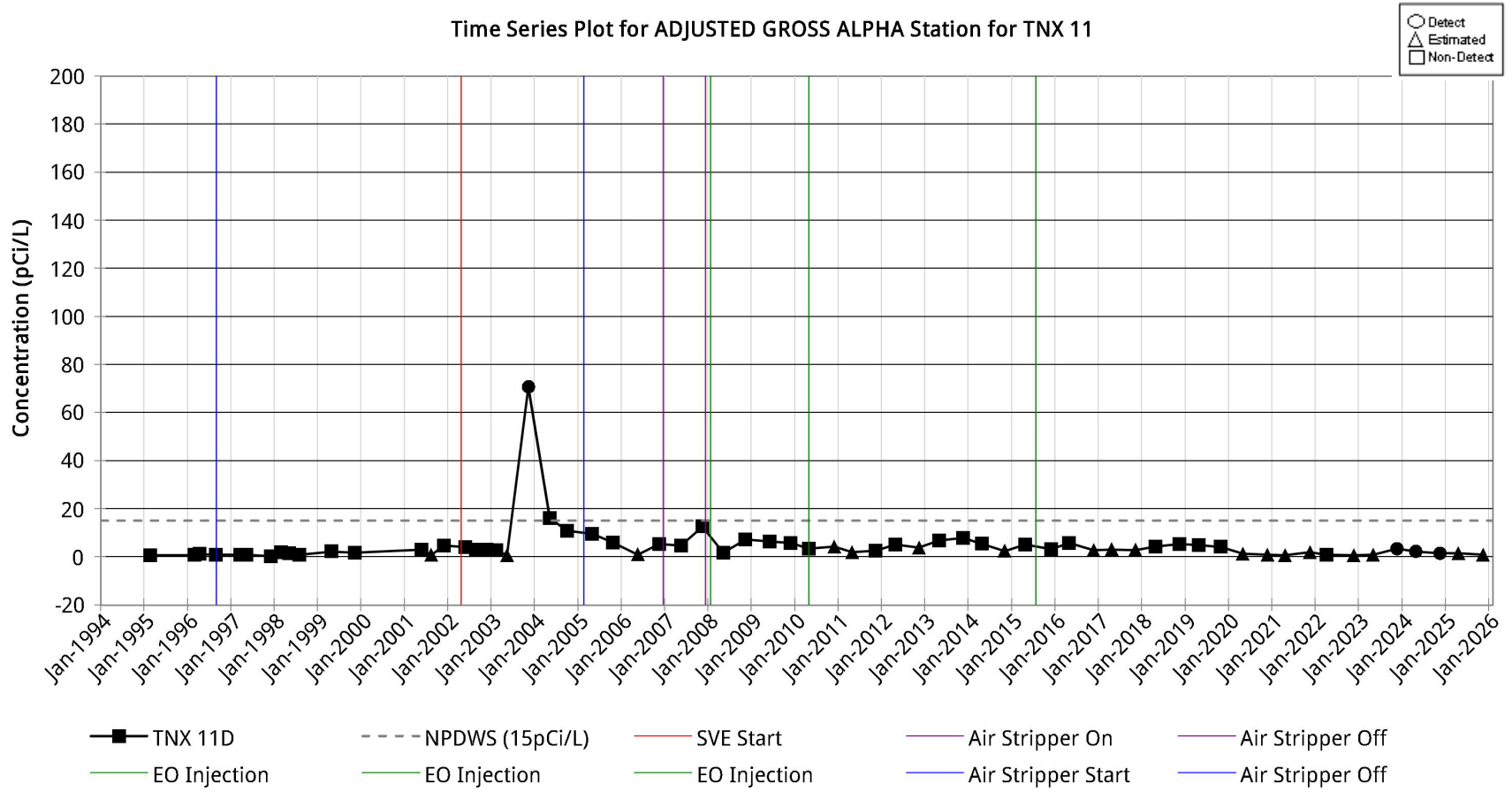
Jan-2026
TNX 9D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 11
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
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60
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20
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Jan-1994
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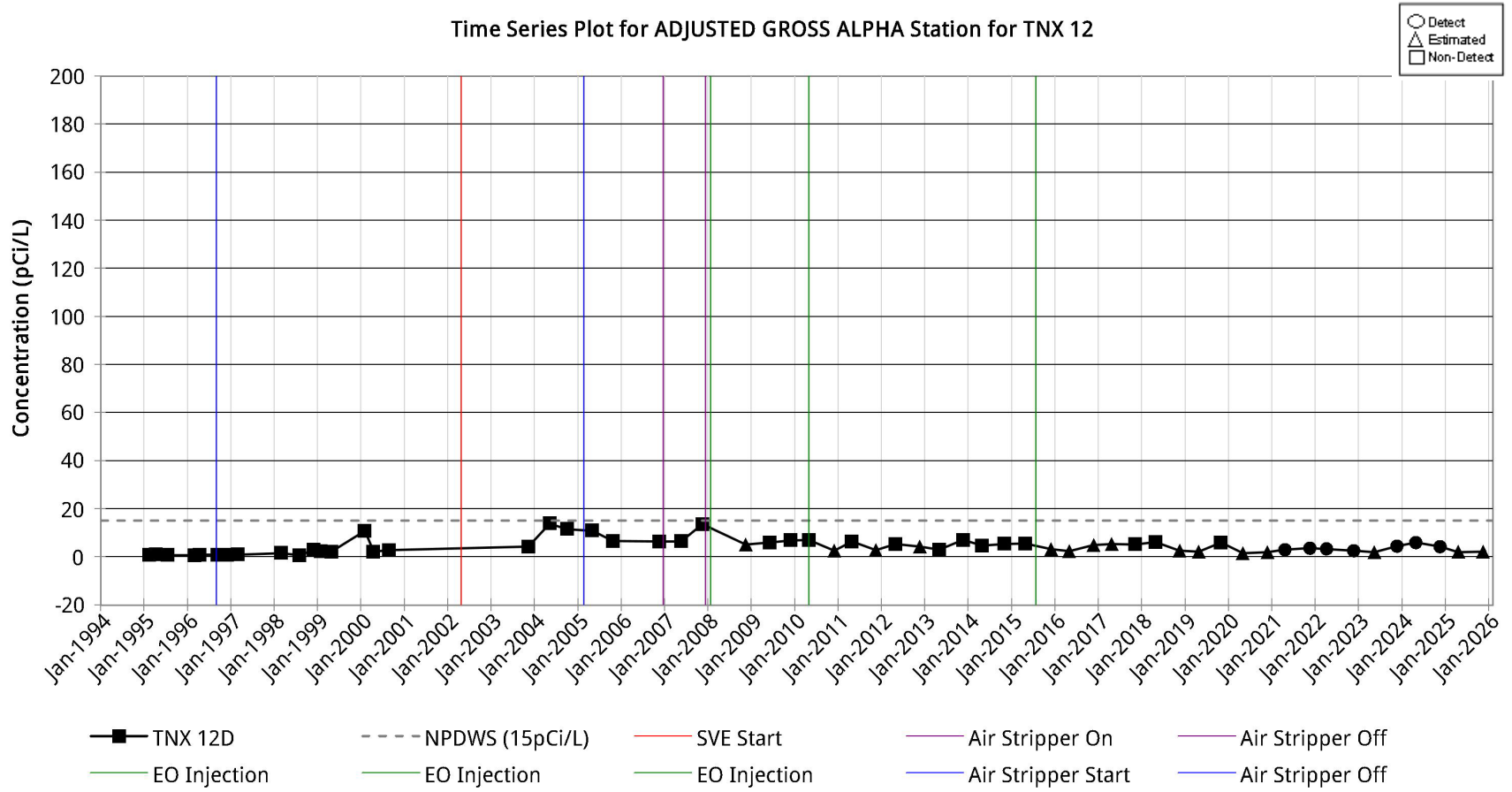
Jan-2026
TNX 11D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 12
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
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100
80
60
40
20
0
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Jan-1994
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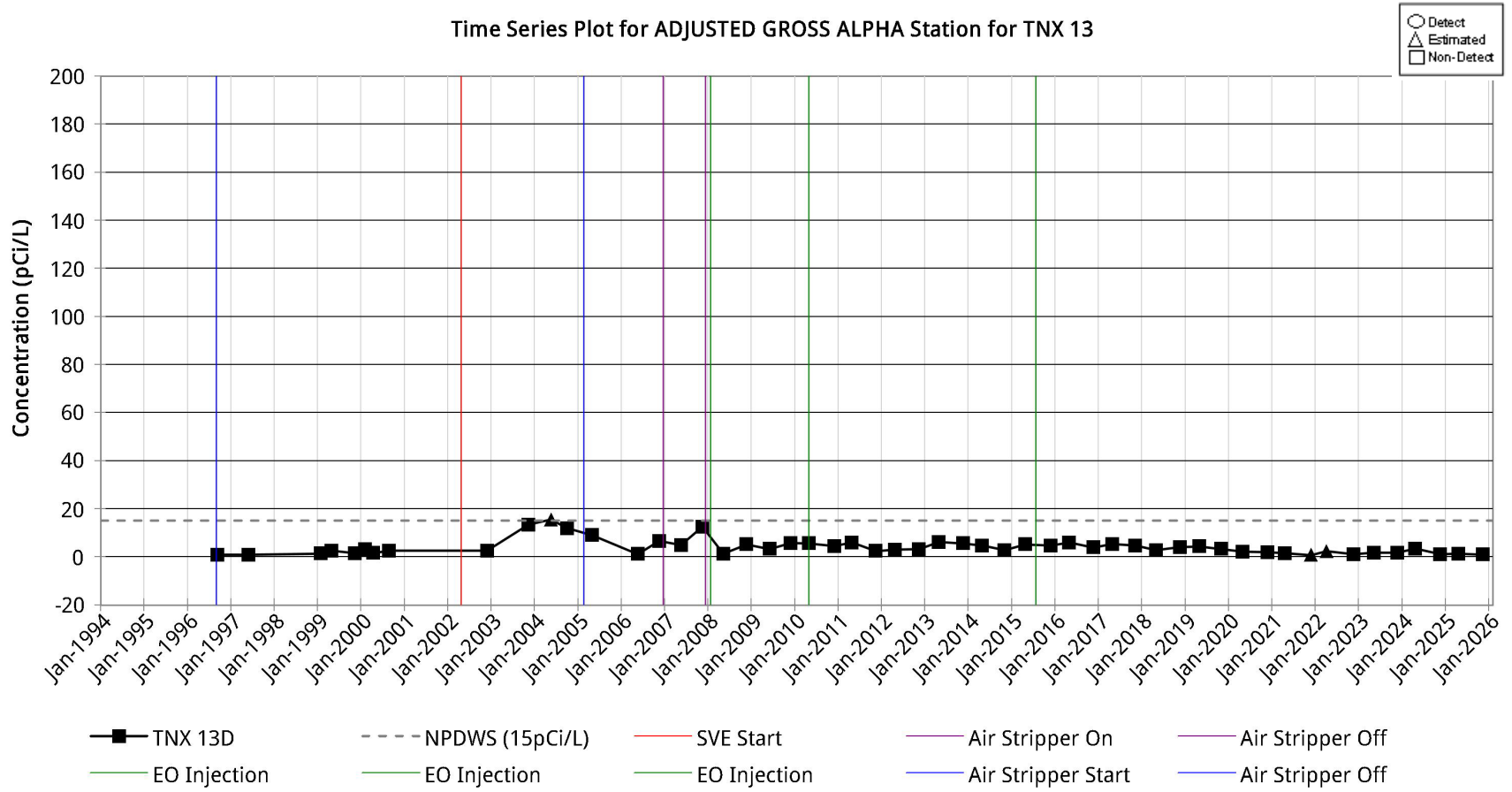
Jan-2025
Jan-2026
TNX 12D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 13
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
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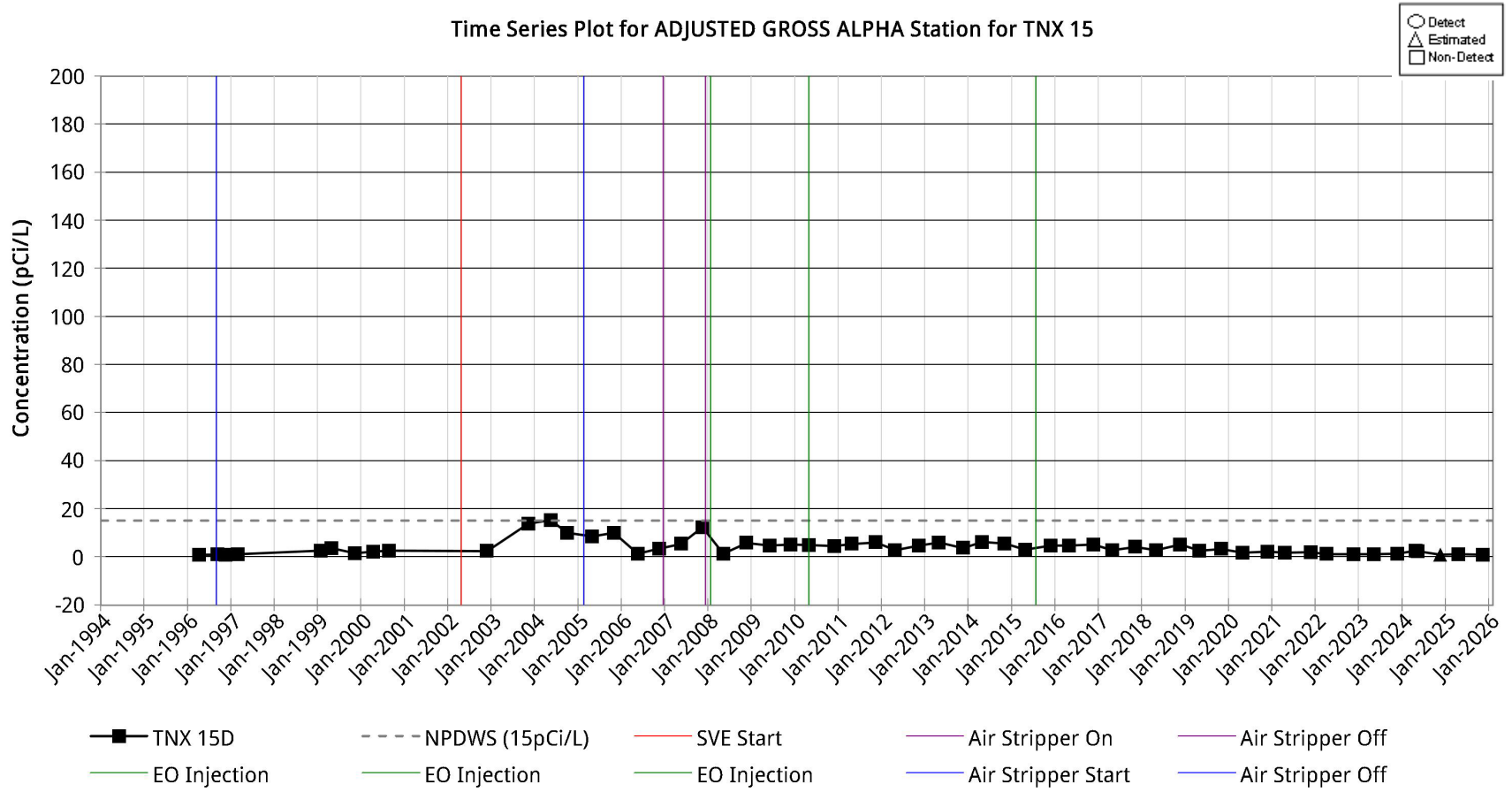
Jan-2025
Jan-2026
TNX 13D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 15
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
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Jan-1994
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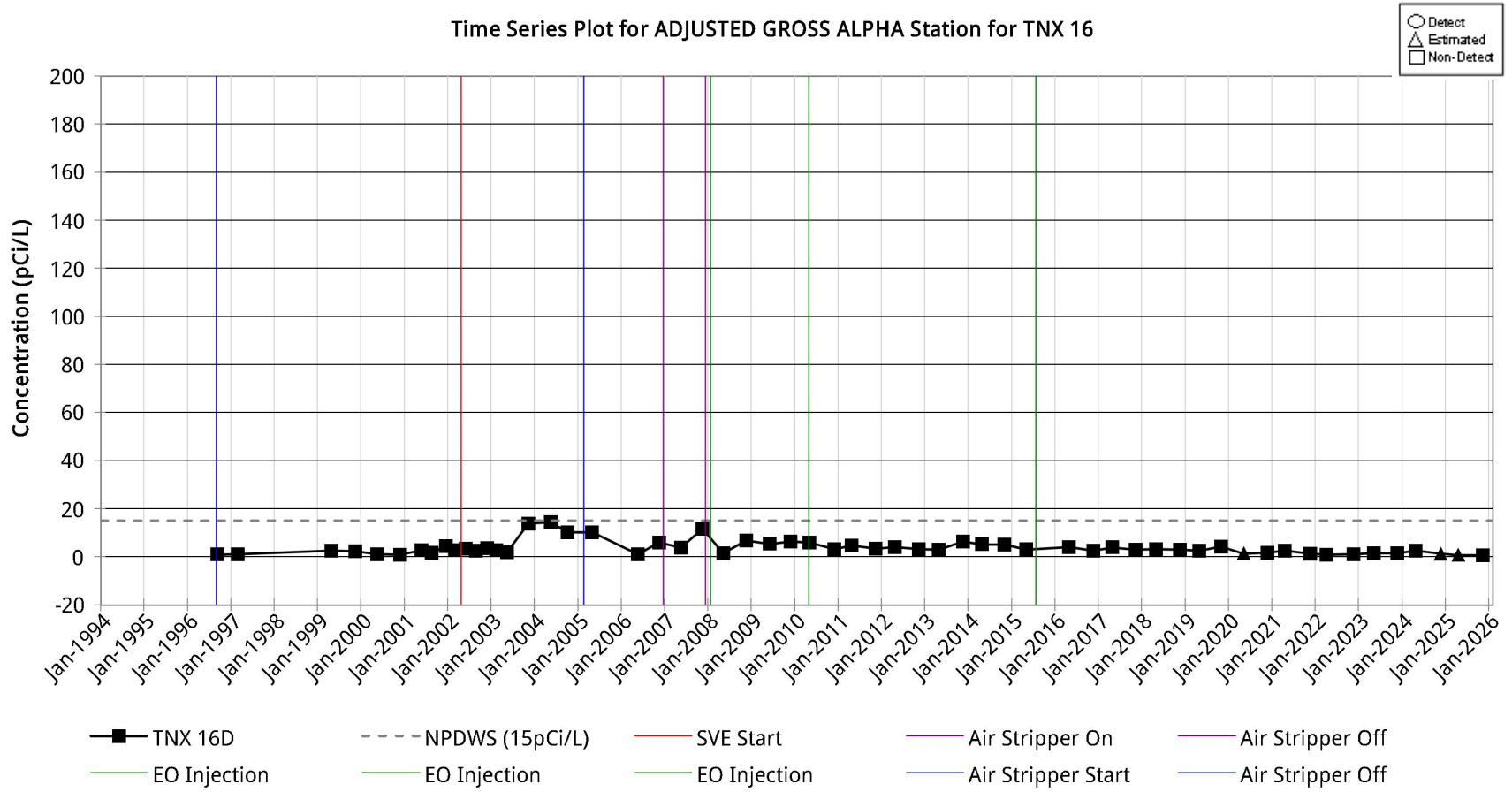
Jan-2025
Jan-2026
TNX 15D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 16
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
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100
80
60
40
20
0
-20
Jan-1994
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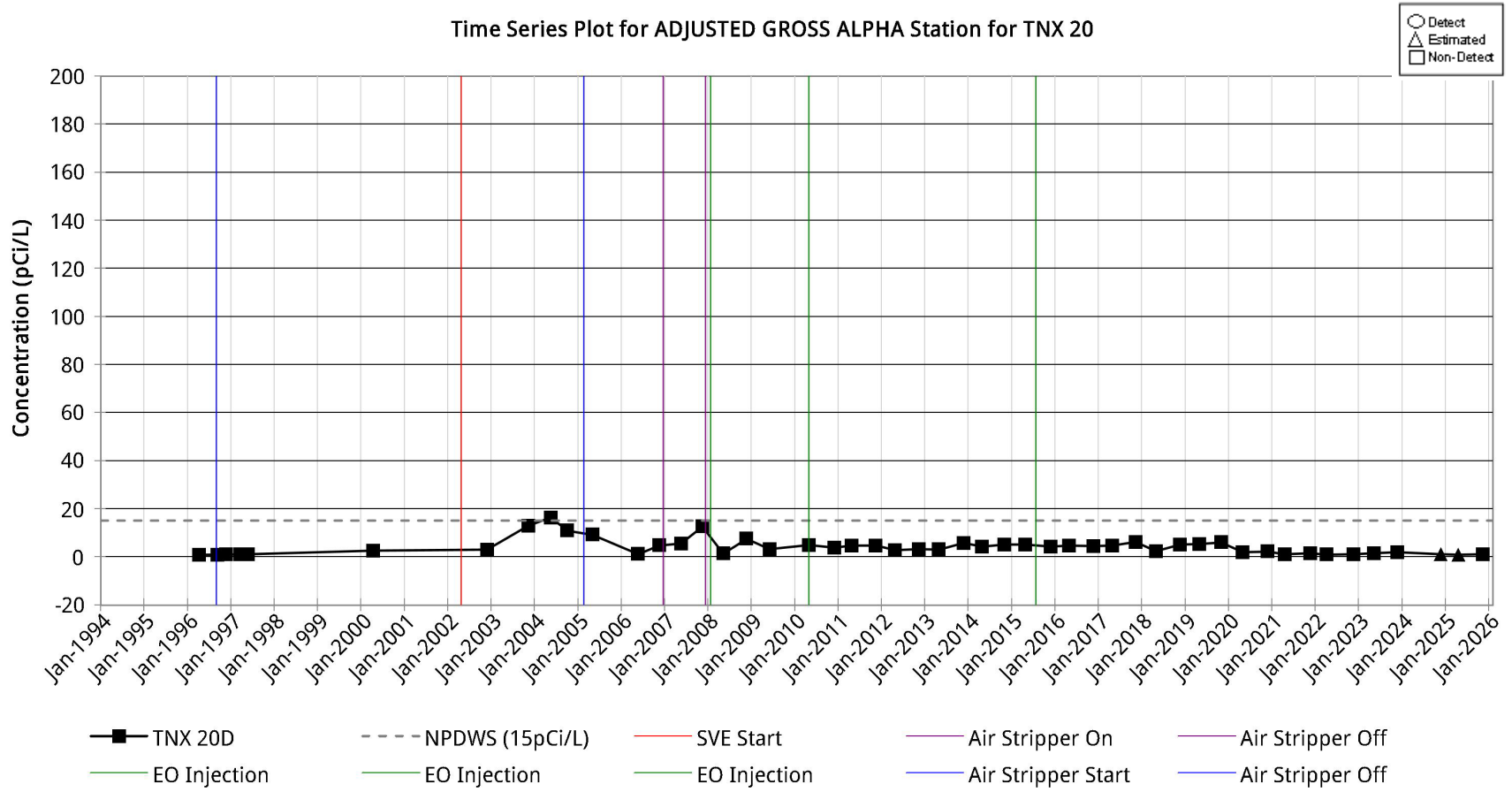
Jan-2024
Jan-2025
Jan-2026
TNX 16D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 20
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
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80
60
40
20
0
-20
Jan-1994
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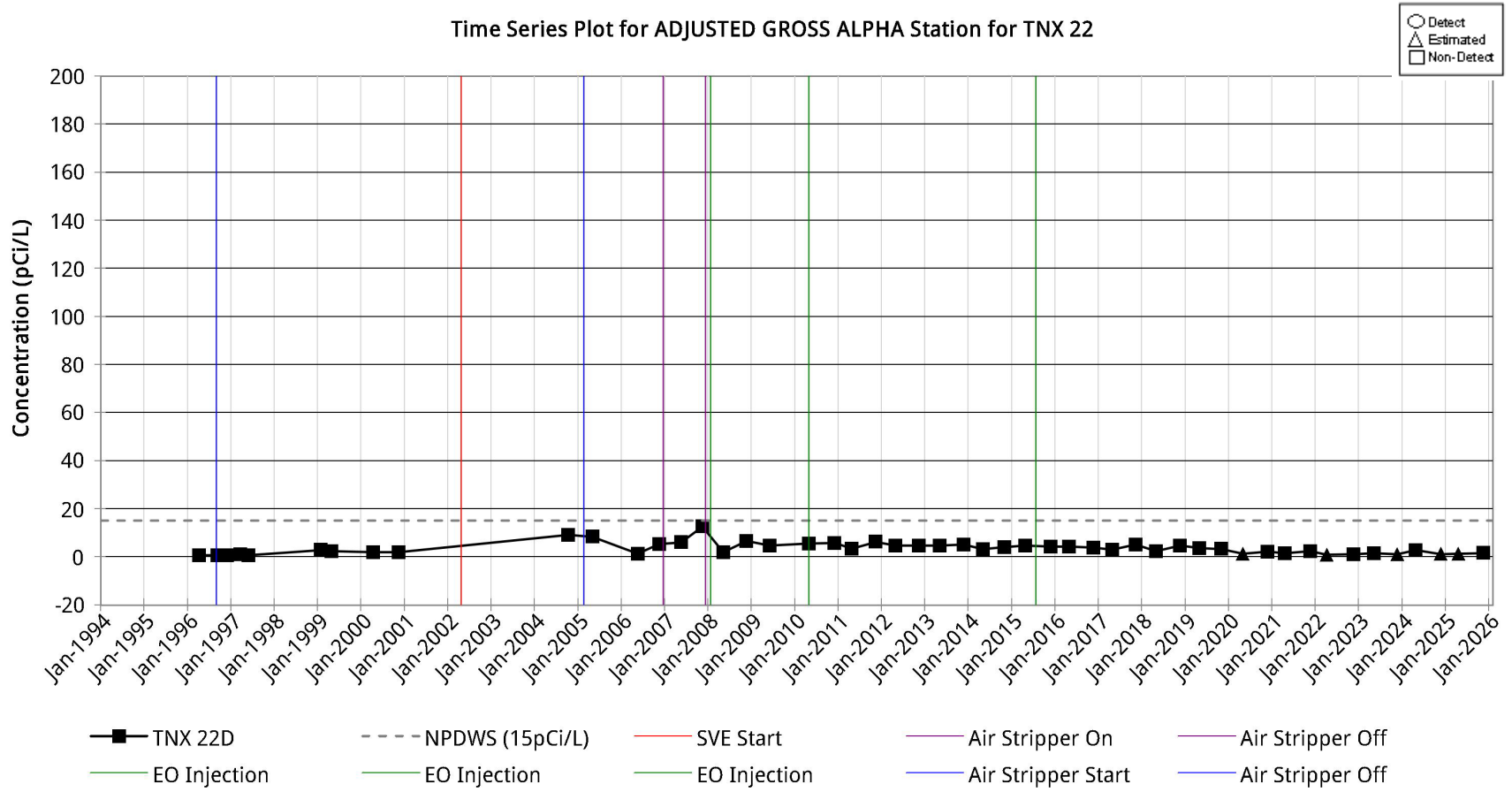
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 20D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 22
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
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120
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80
60
40
20
0
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Jan-1994
Jan-1995
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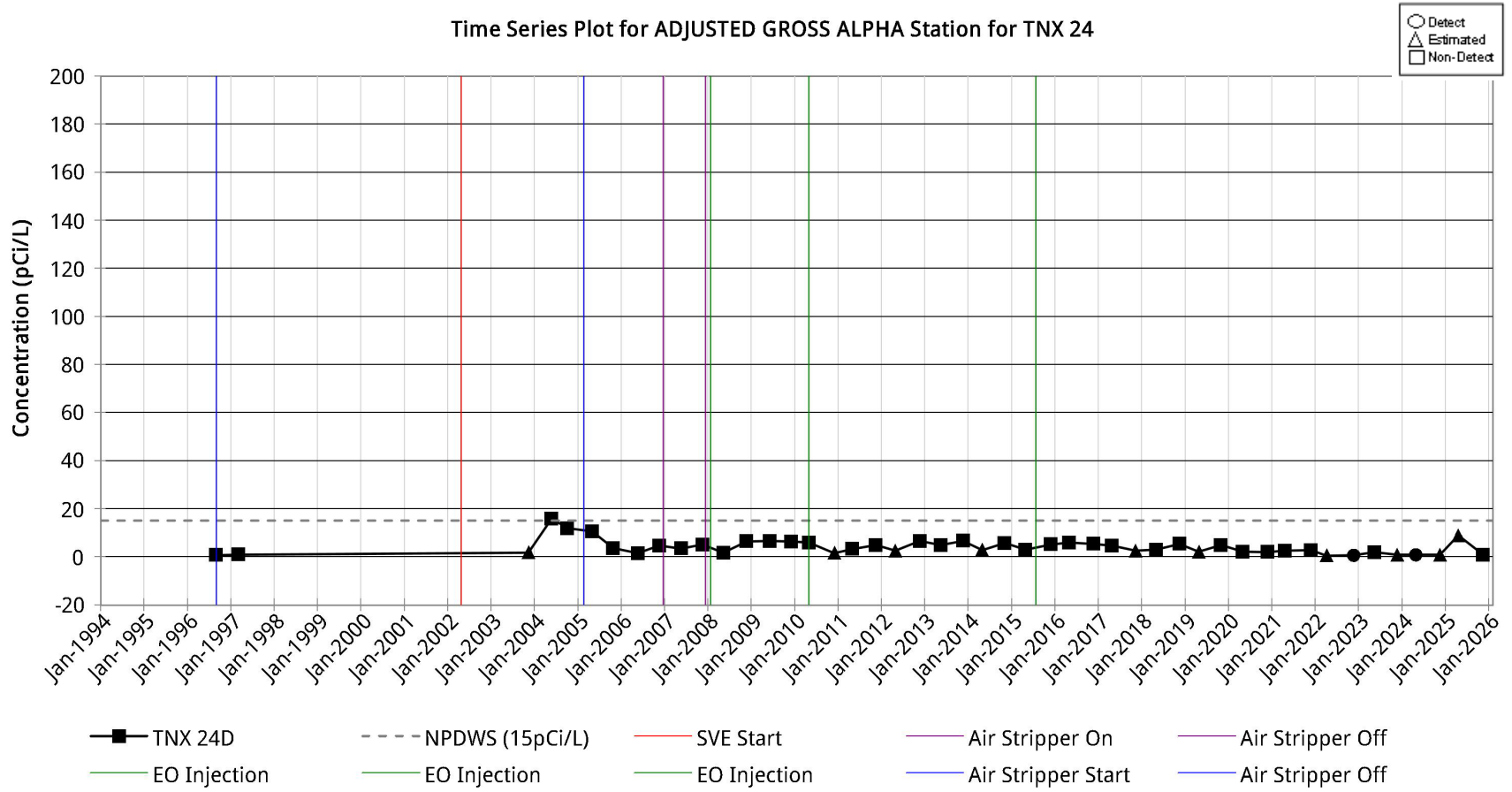
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 22D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 24
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
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20
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Jan-1994
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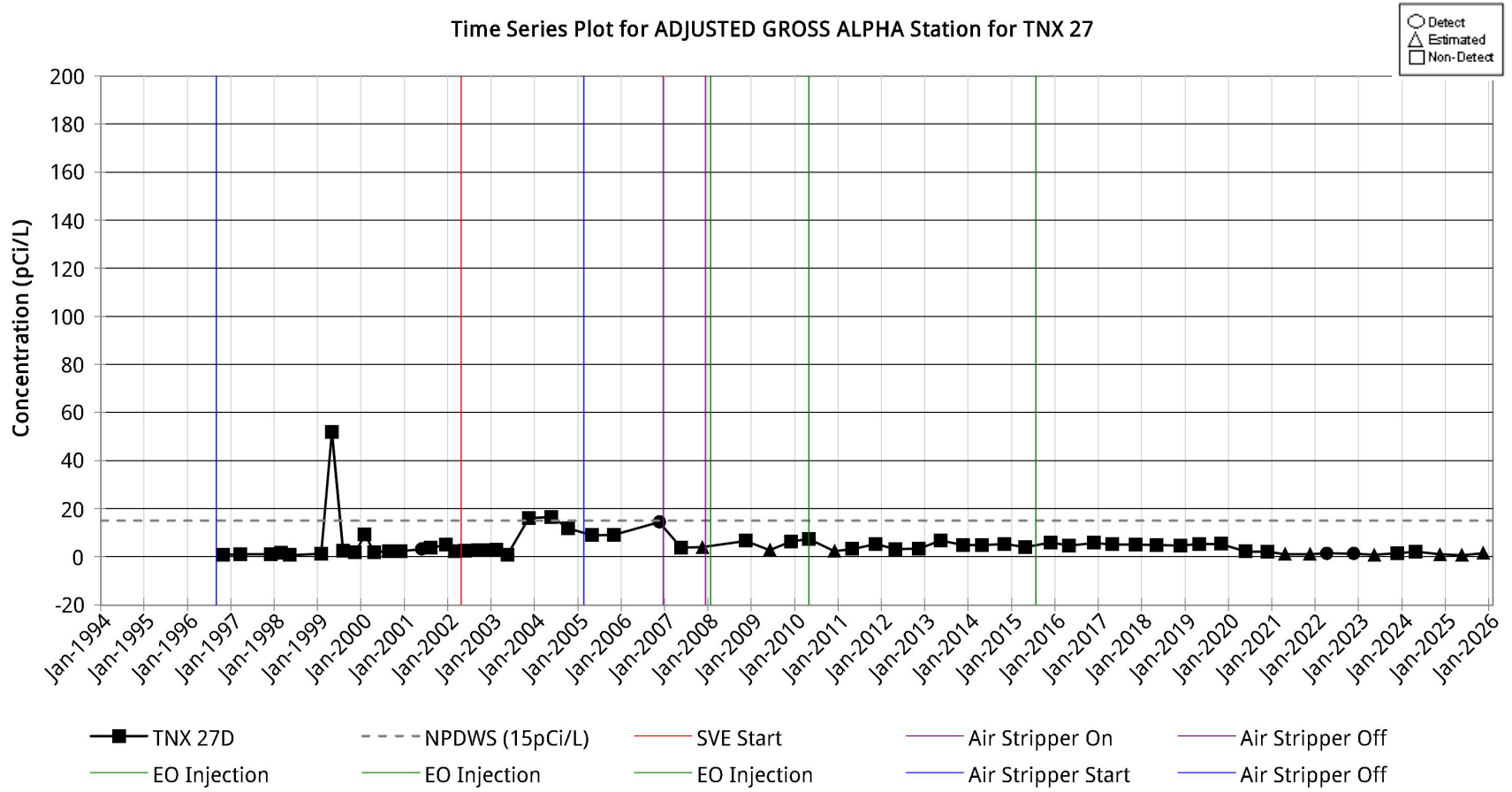
Jan-2024
Jan-2025
Jan-2026
TNX 24D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 27
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
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Jan-1994
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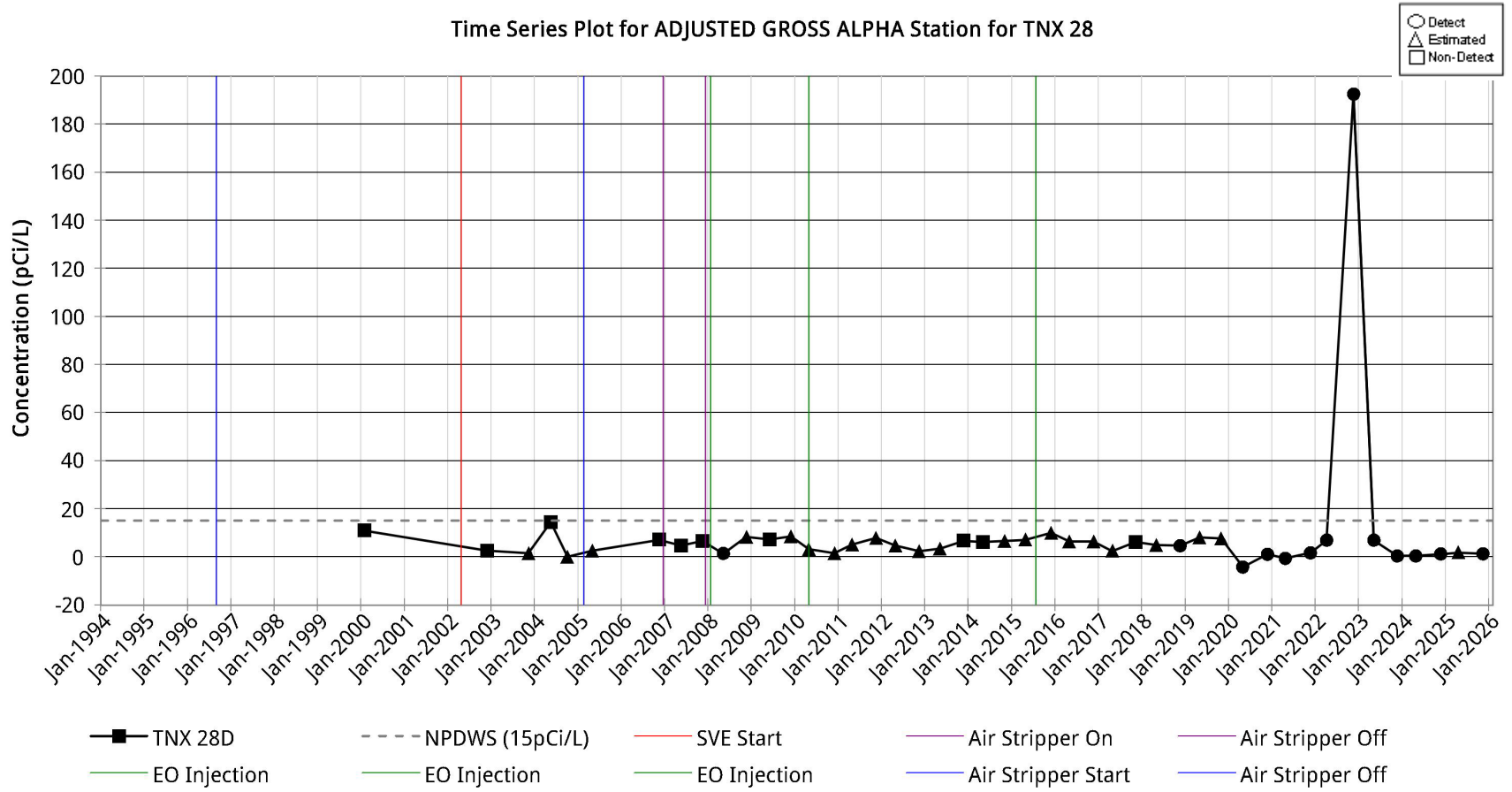
Jan-2024
Jan-2025
Jan-2026
TNX 27D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 28
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
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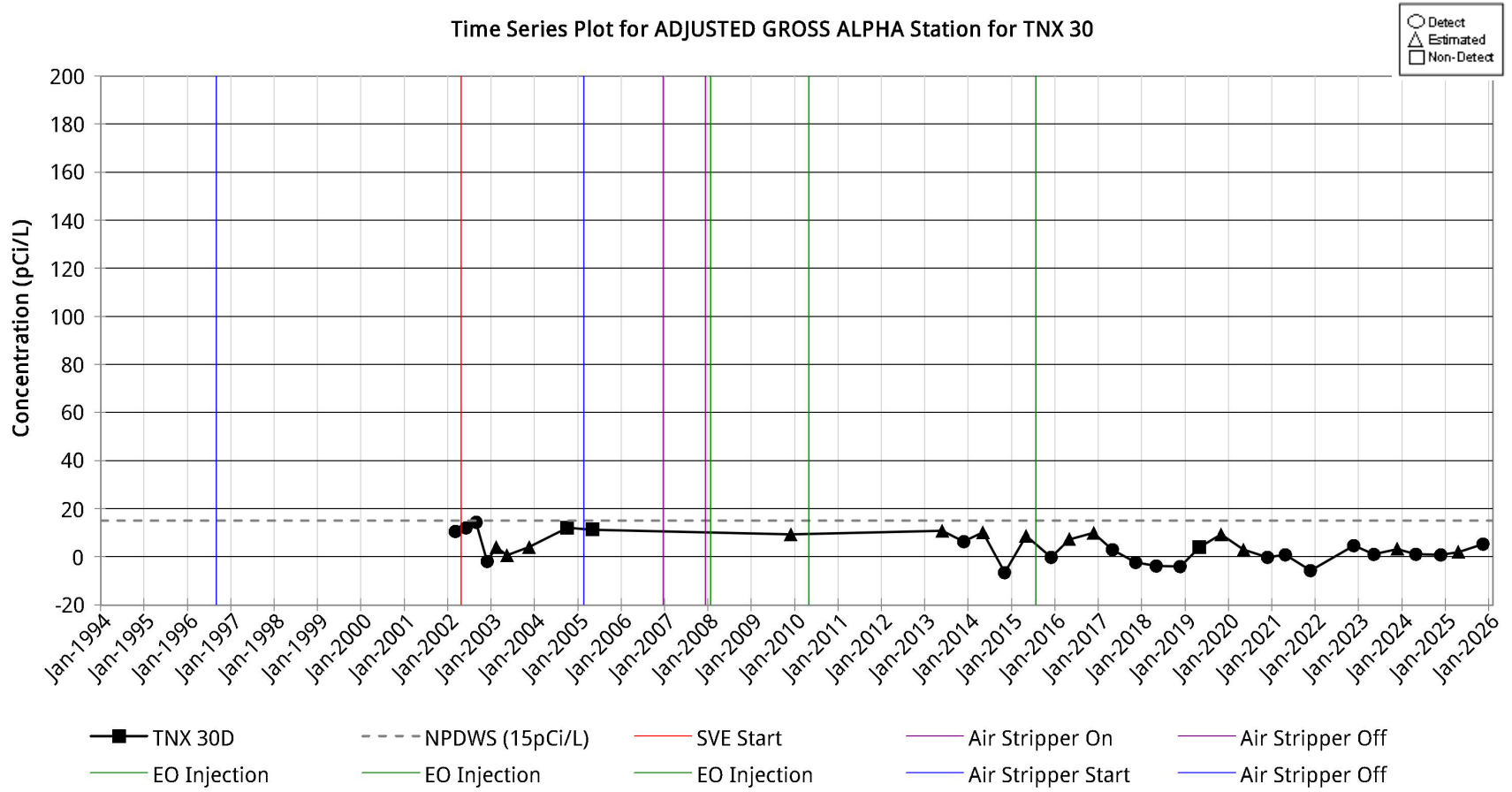
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 28D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 30
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
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80
60
40
20
0
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Jan-1994
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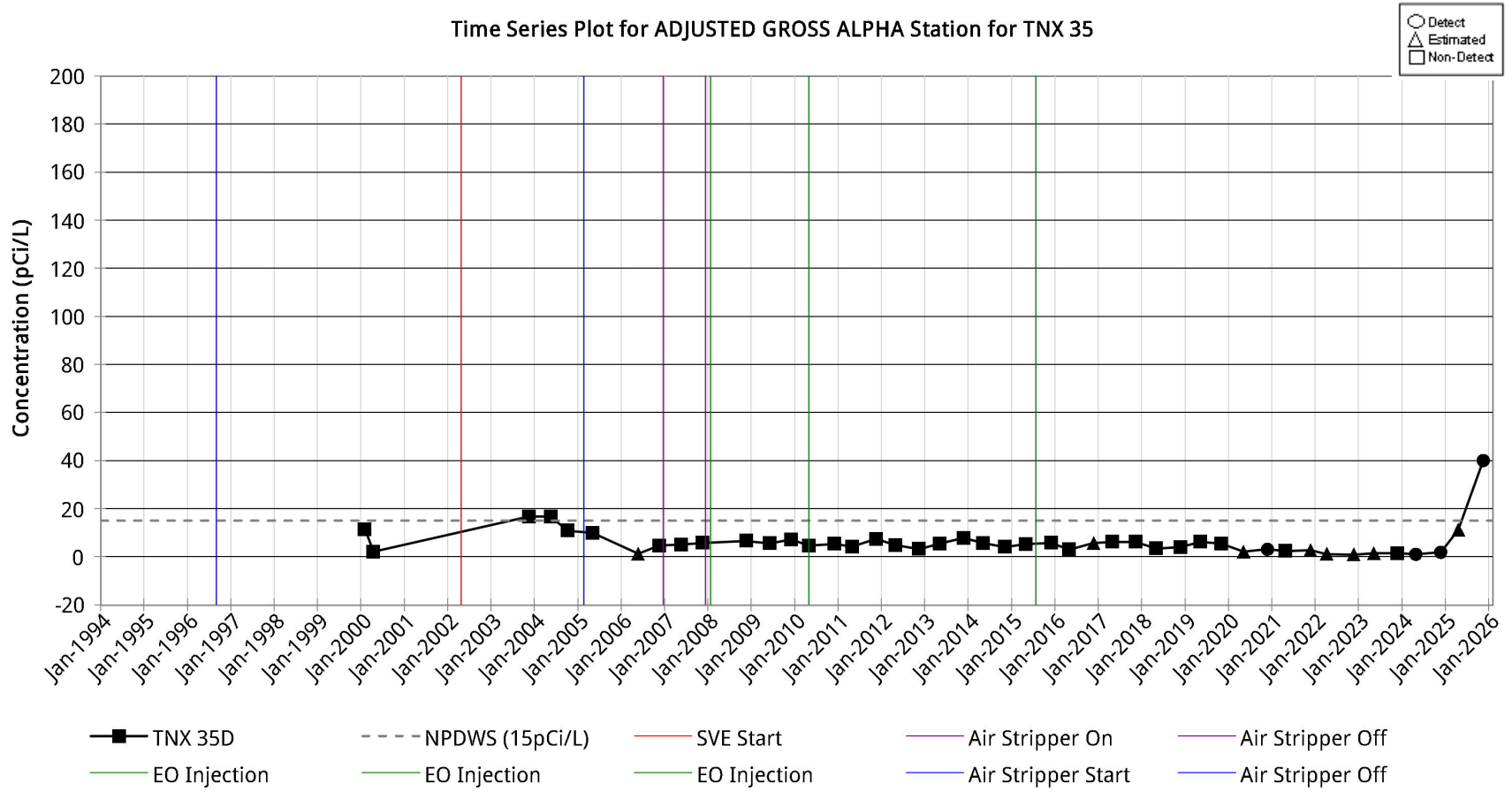
Jan-2024
Jan-2025
Jan-2026
TNX 30D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 35
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
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20
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Jan-1994
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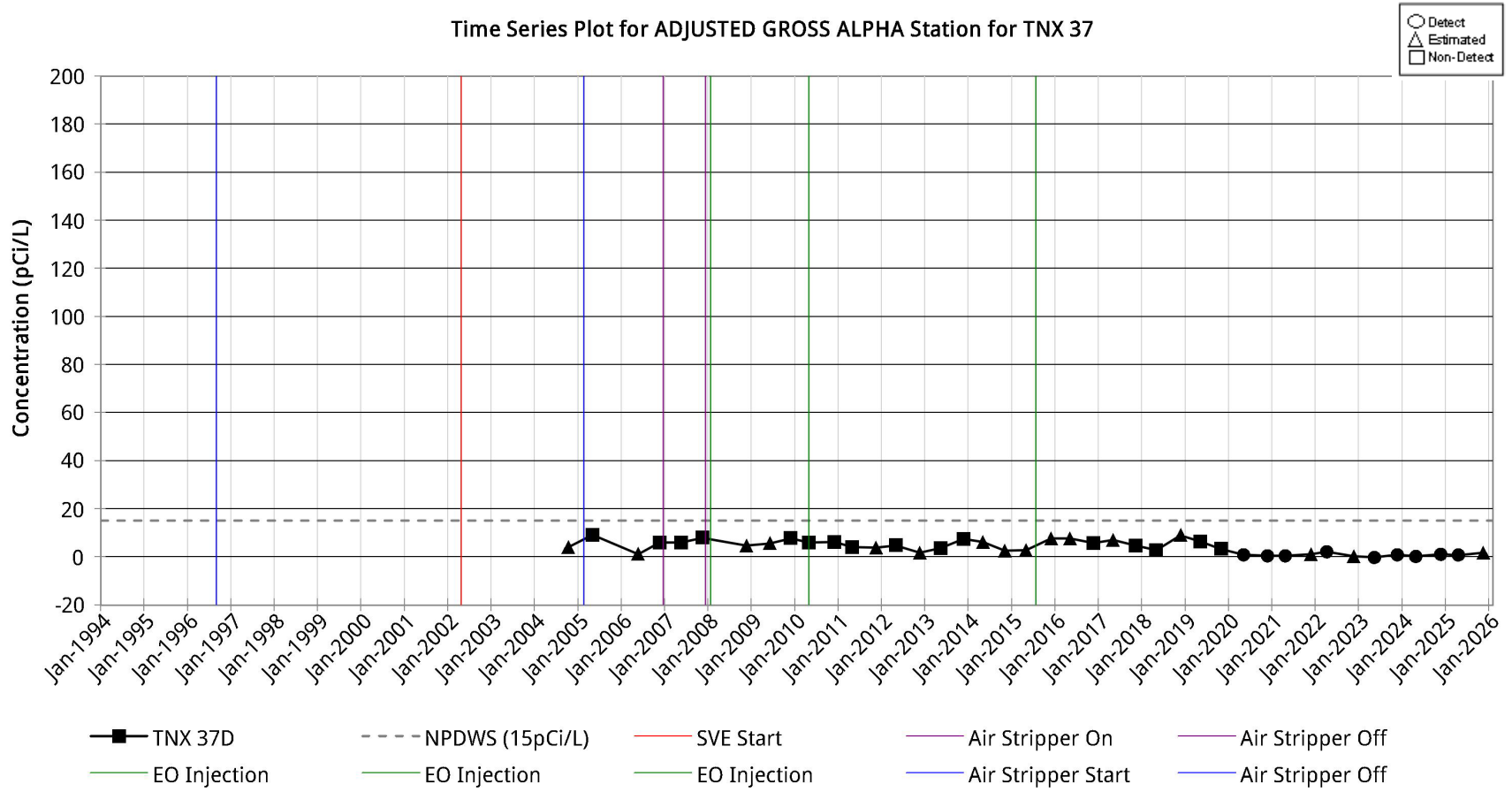
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 35D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 37
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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Jan-2009
Jan-2010
Jan-2011
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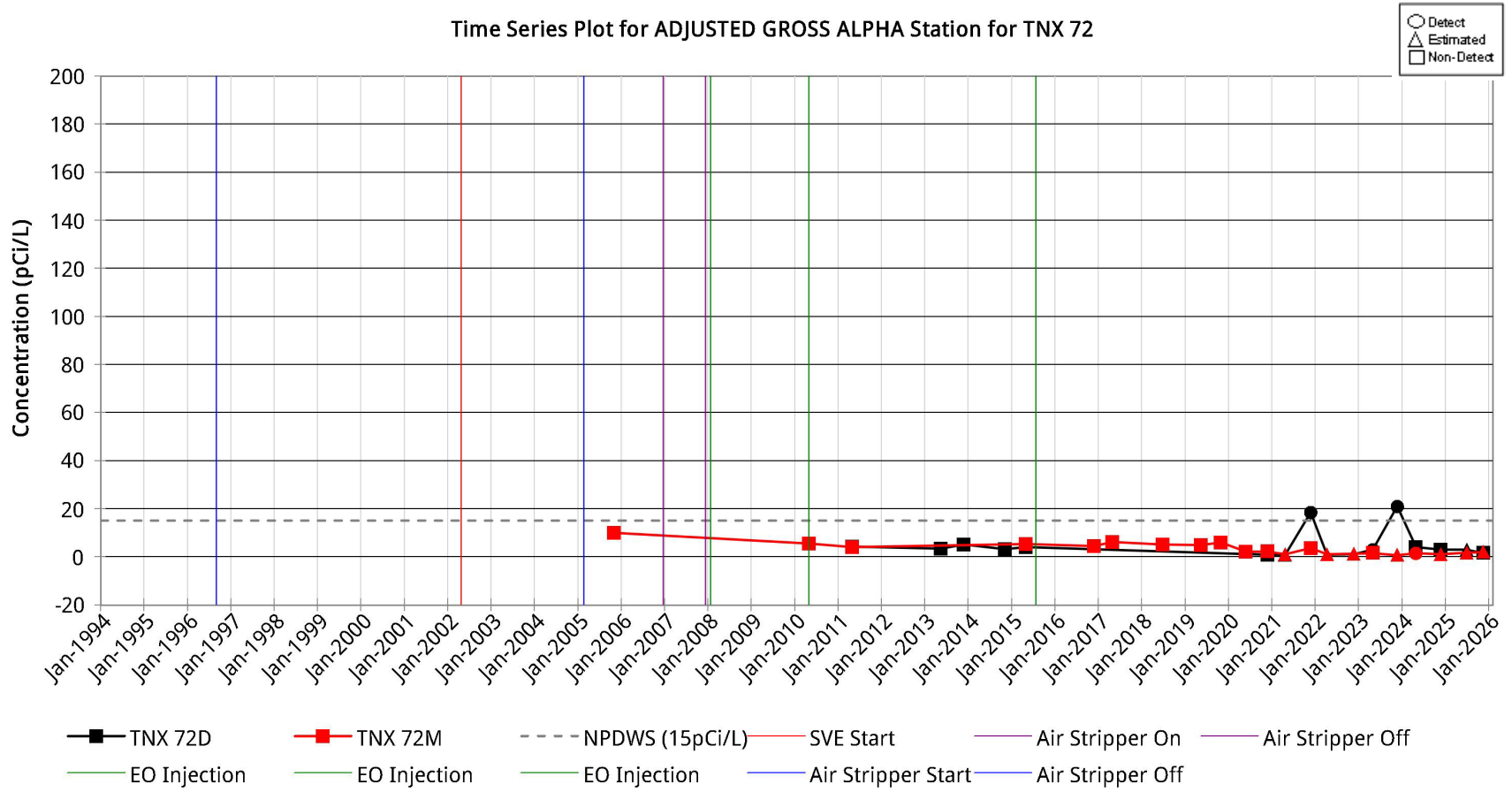
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 37D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX 72
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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Jan-2005
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Jan-2010
Jan-2011
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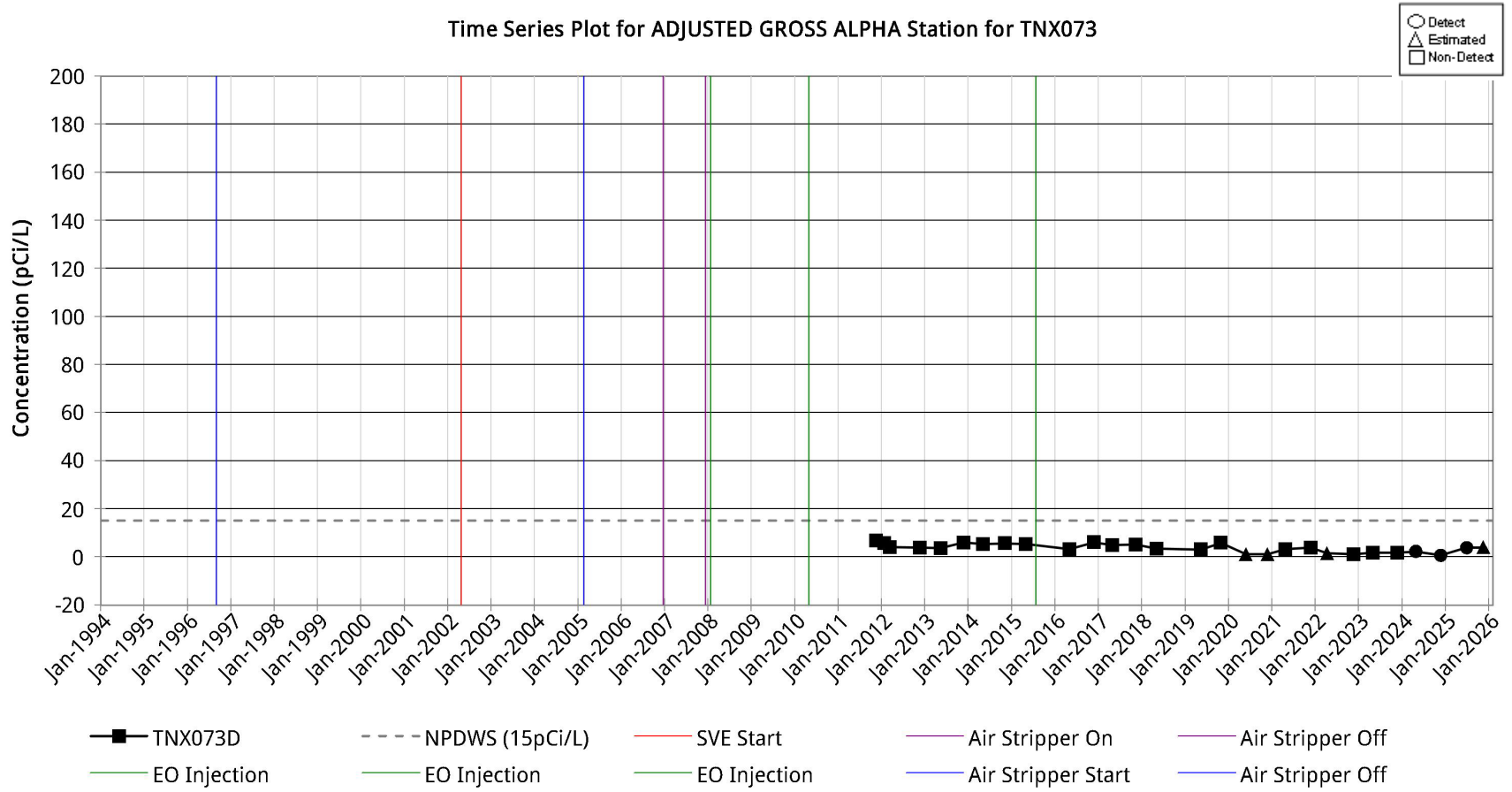
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 72D
TNX 72M
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX073
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2009
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Jan-2016
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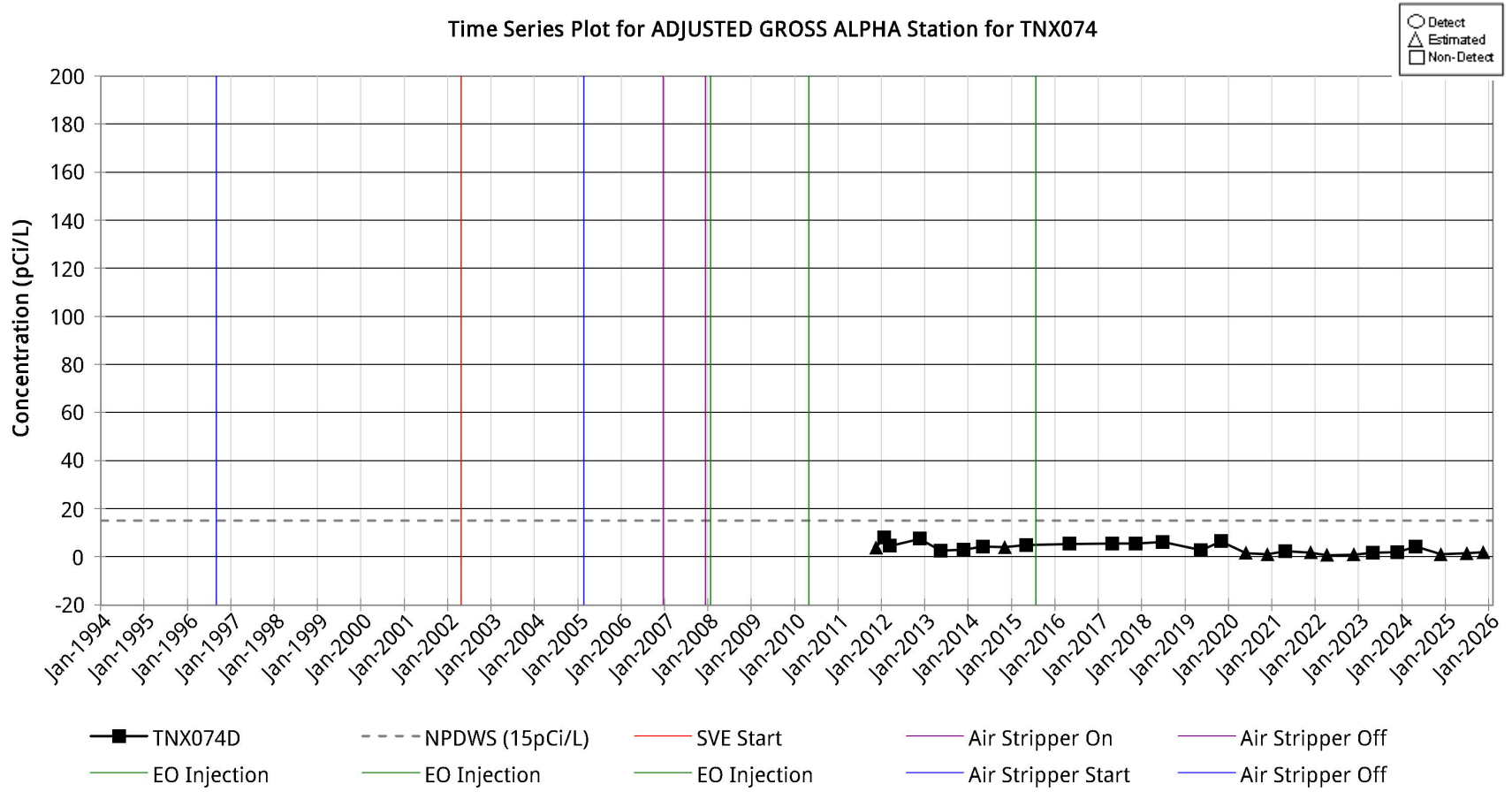
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX073D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX074
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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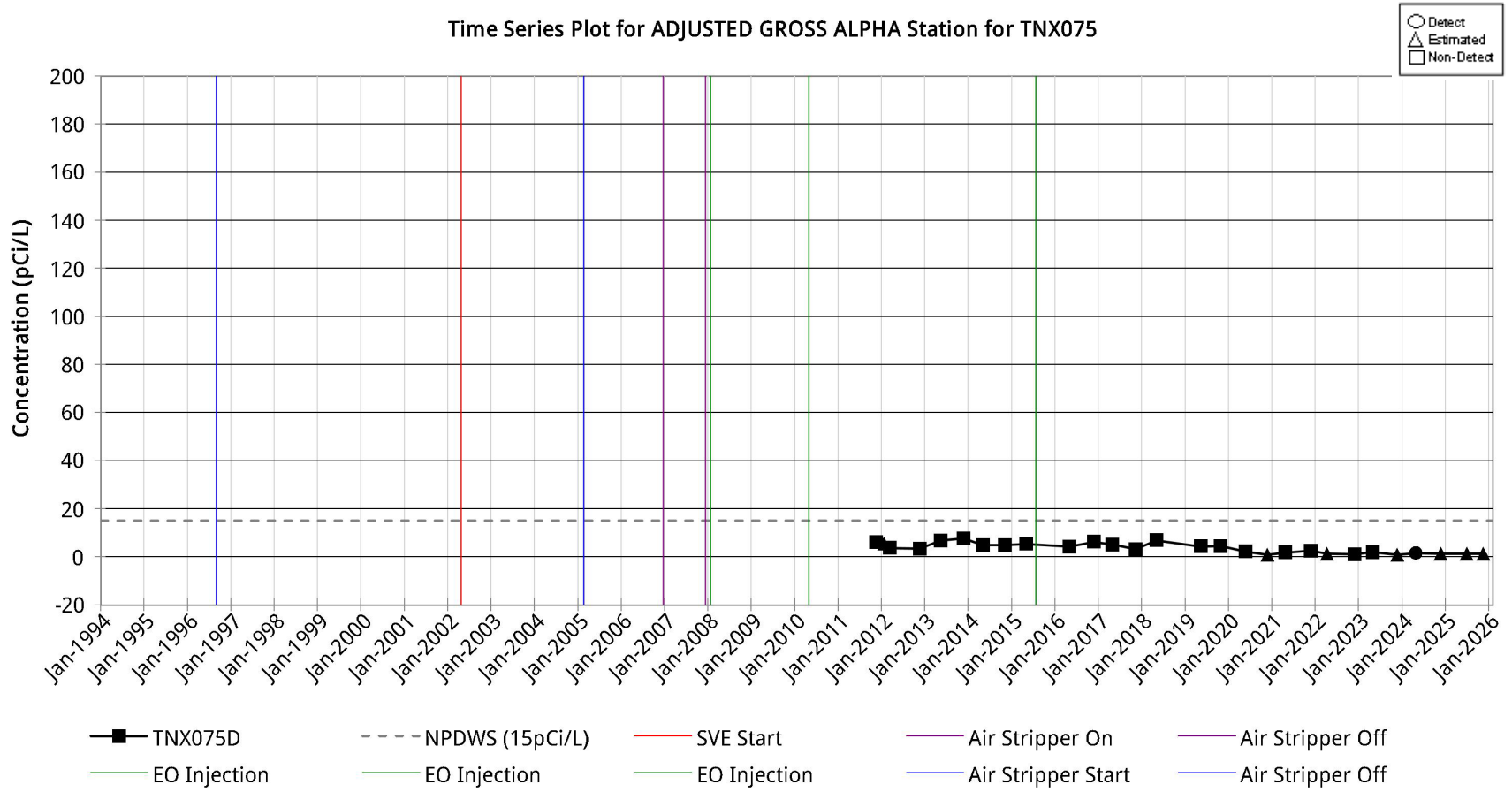
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX074D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX075
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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Jan-2003
Jan-2004
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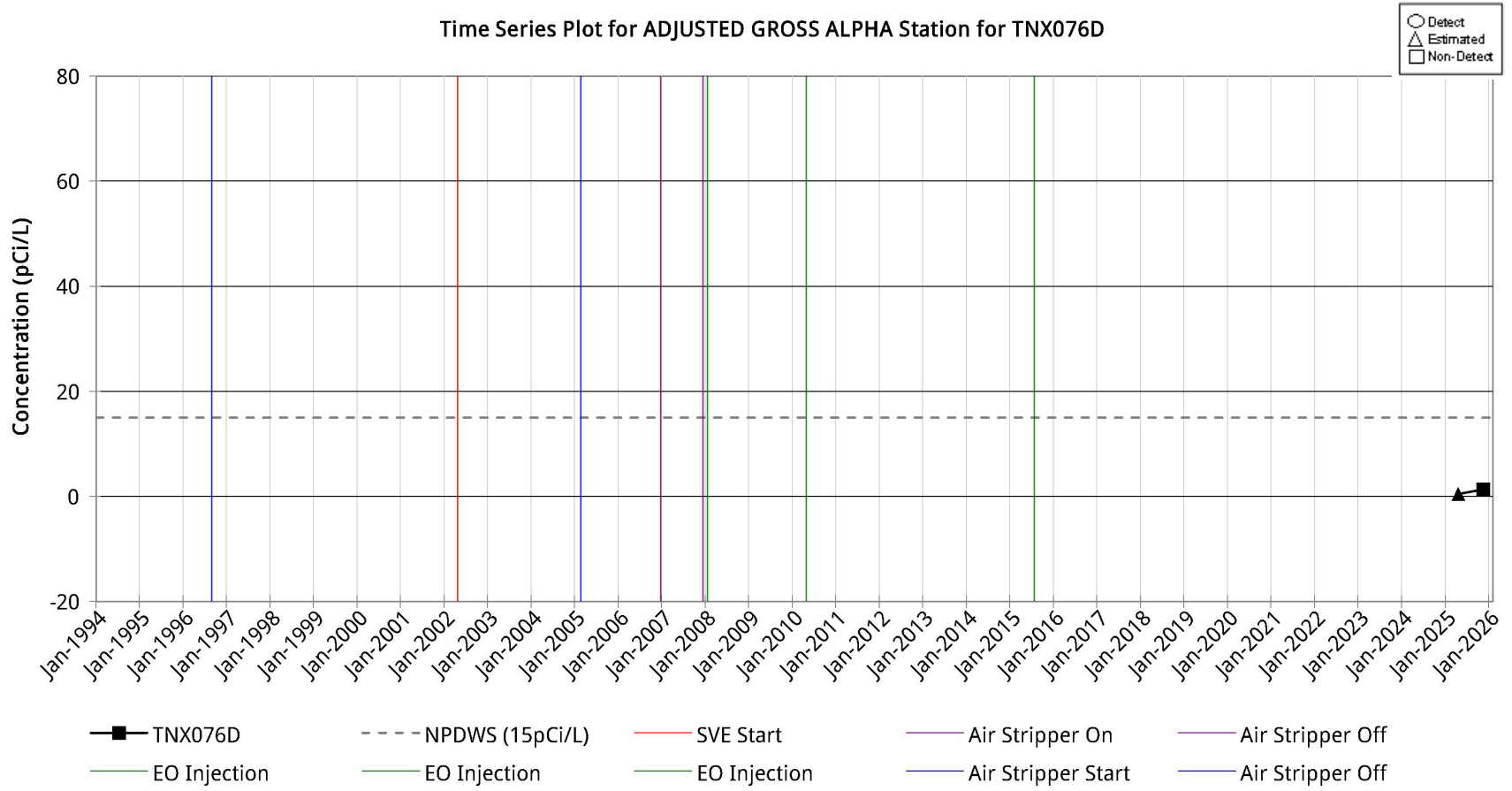
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX075D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TNX076D
Detect
Estimated
Non-Detect
Concentration (pCi/L)
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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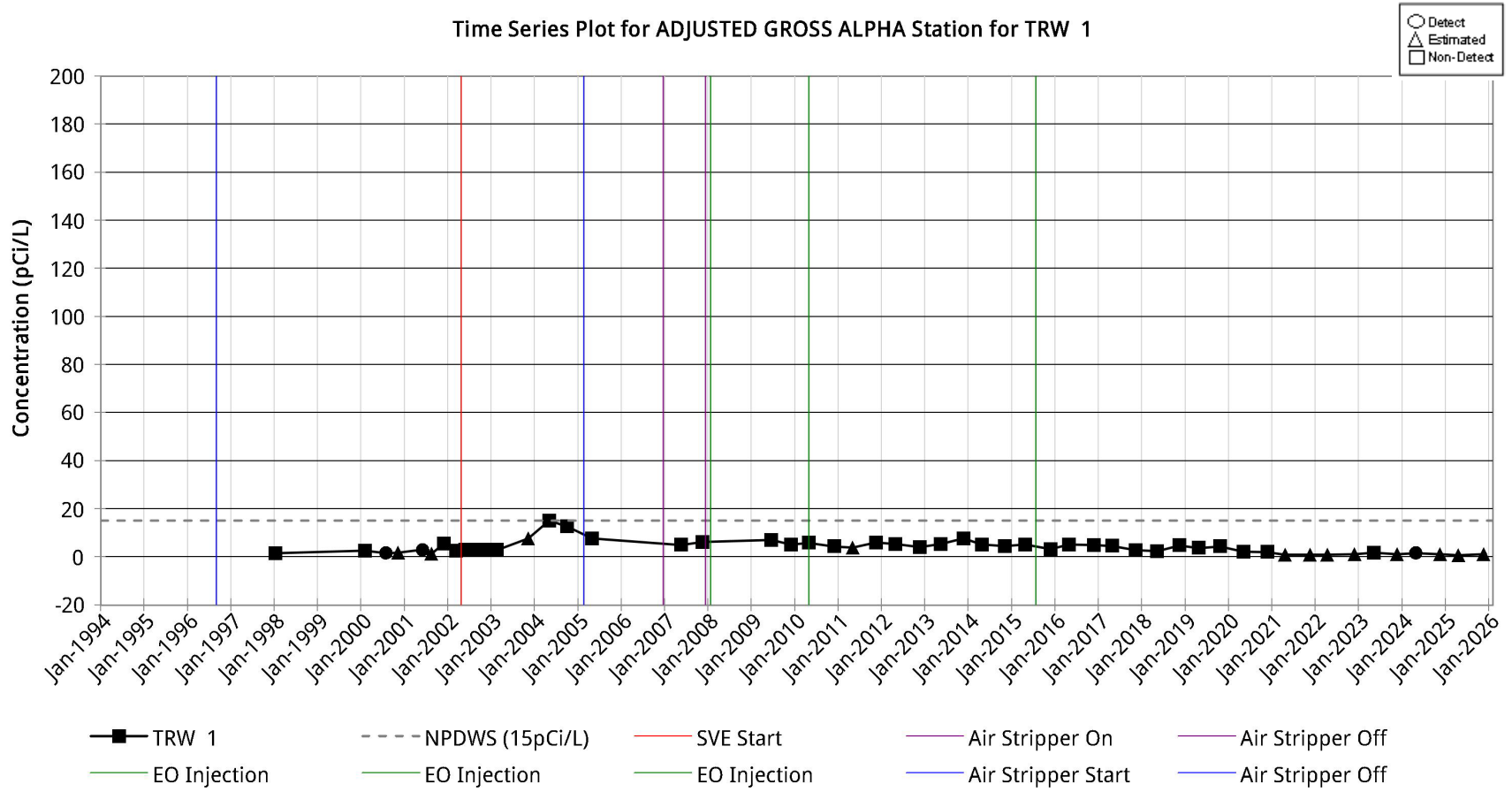
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX076D
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TRW 1
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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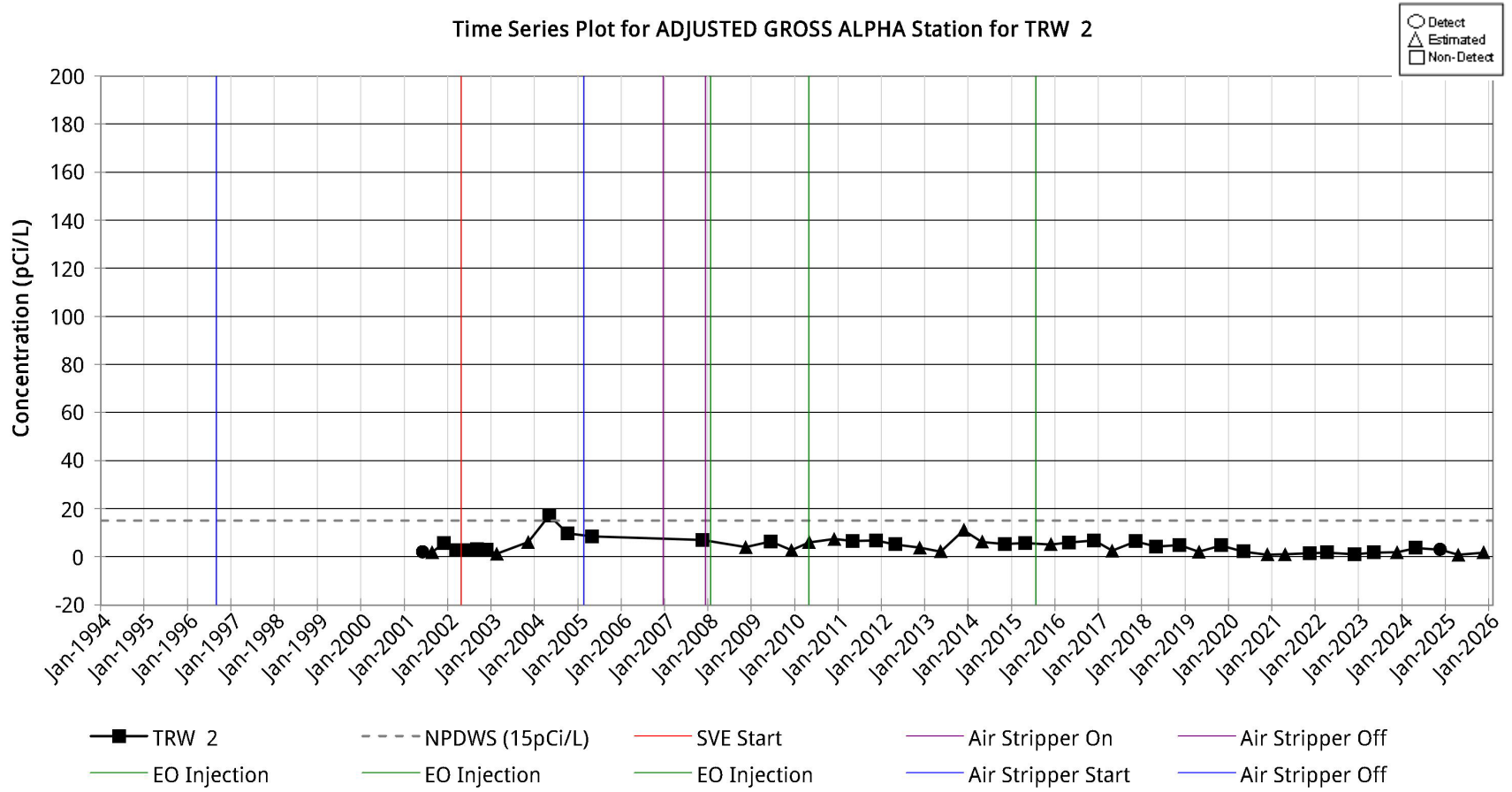
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 1
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TRW 2
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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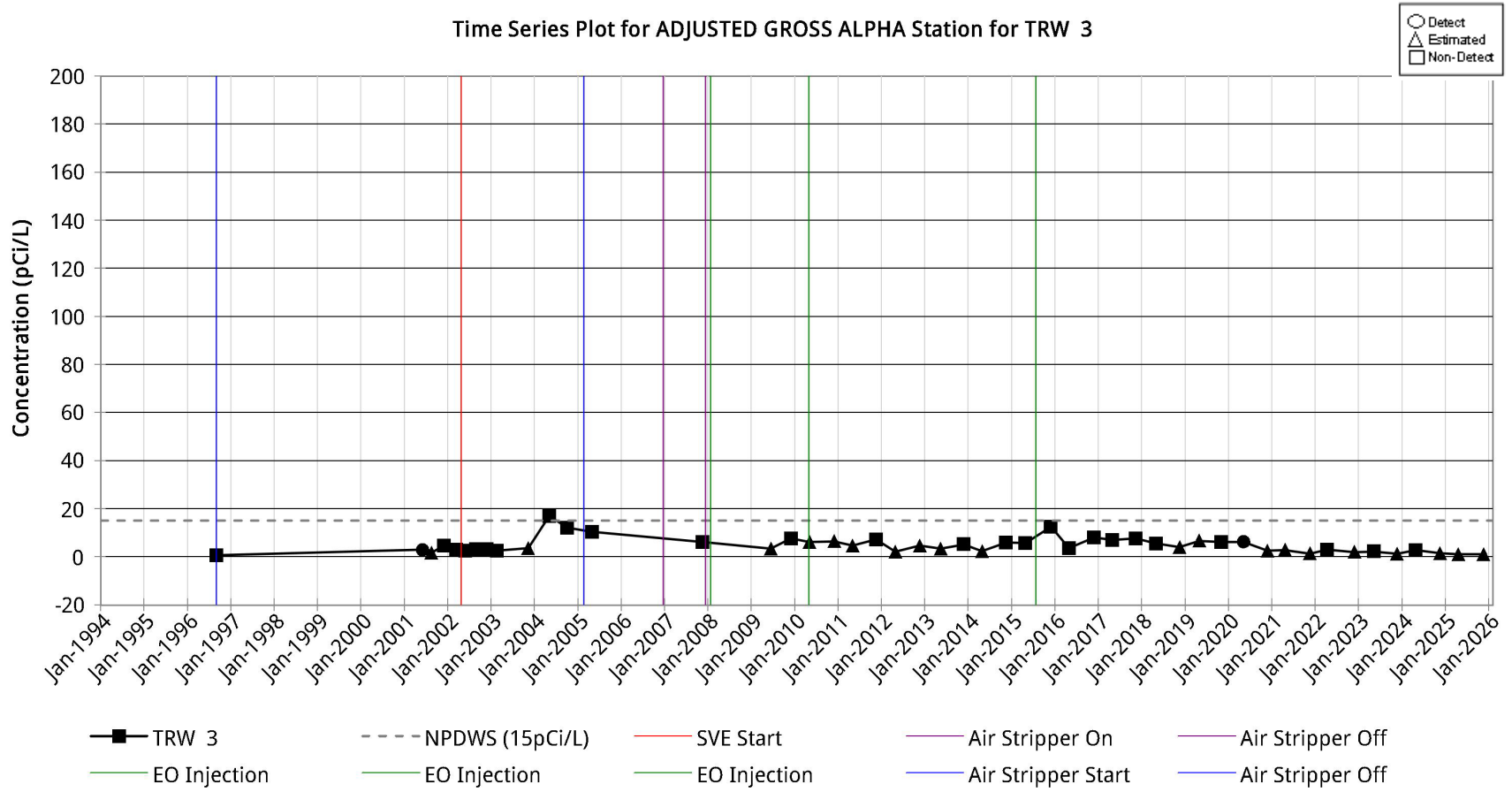
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 2
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TRW 3
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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Jan-2011
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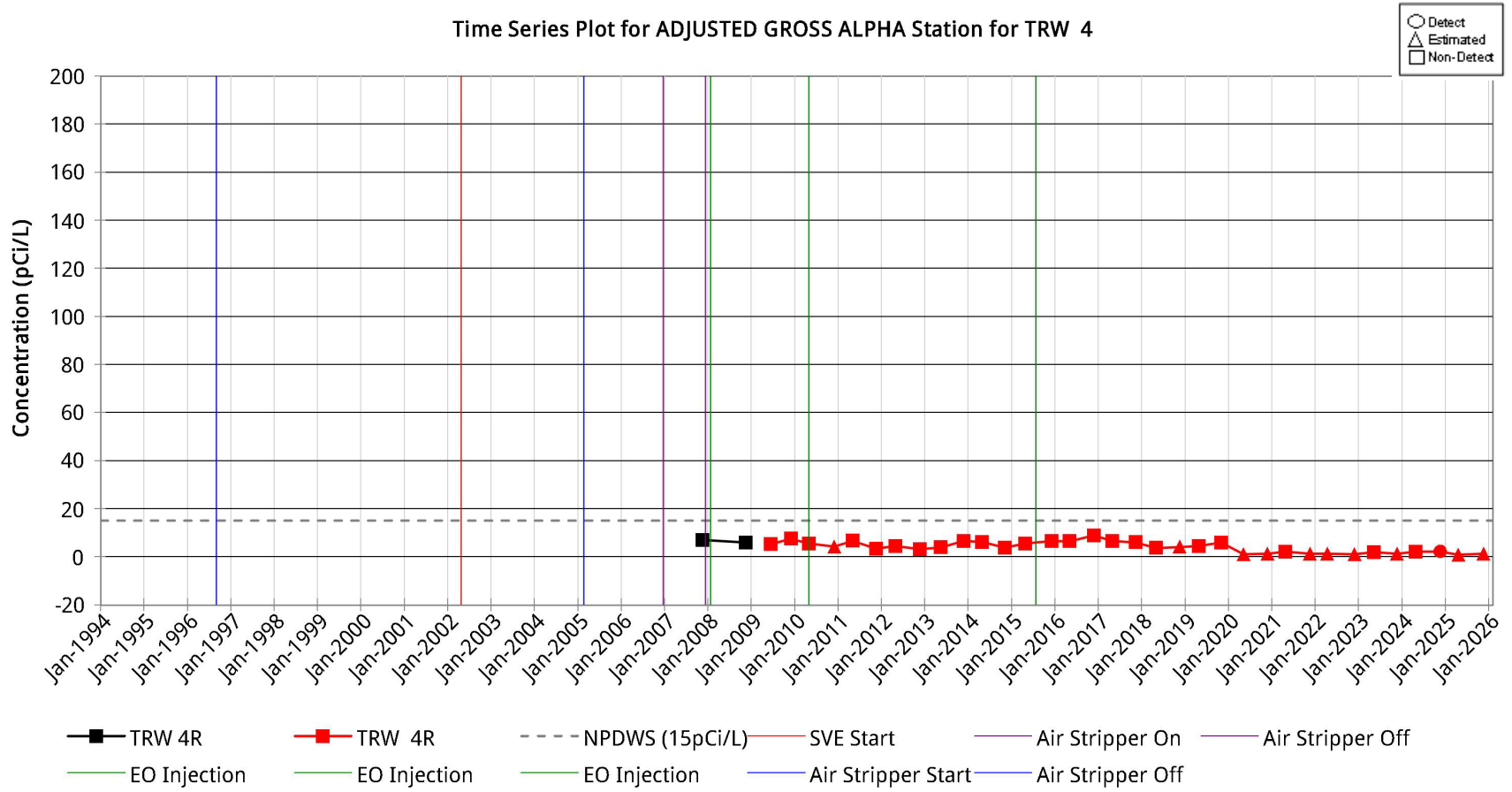
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 3
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TRW 4
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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Jan-2006
Jan-2007
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Jan-2010
Jan-2011
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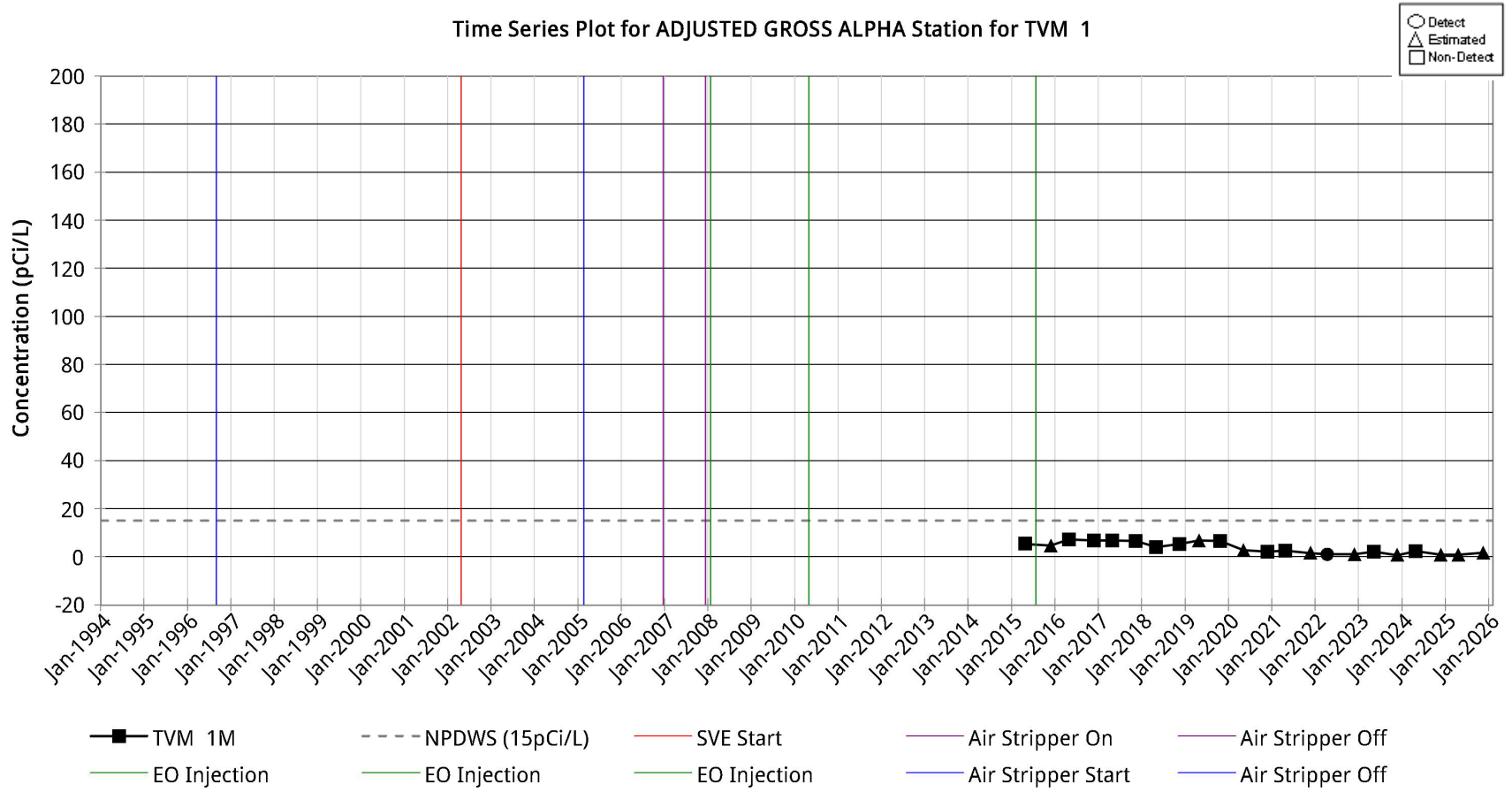
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 4R
TRW 4R
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TVM 1
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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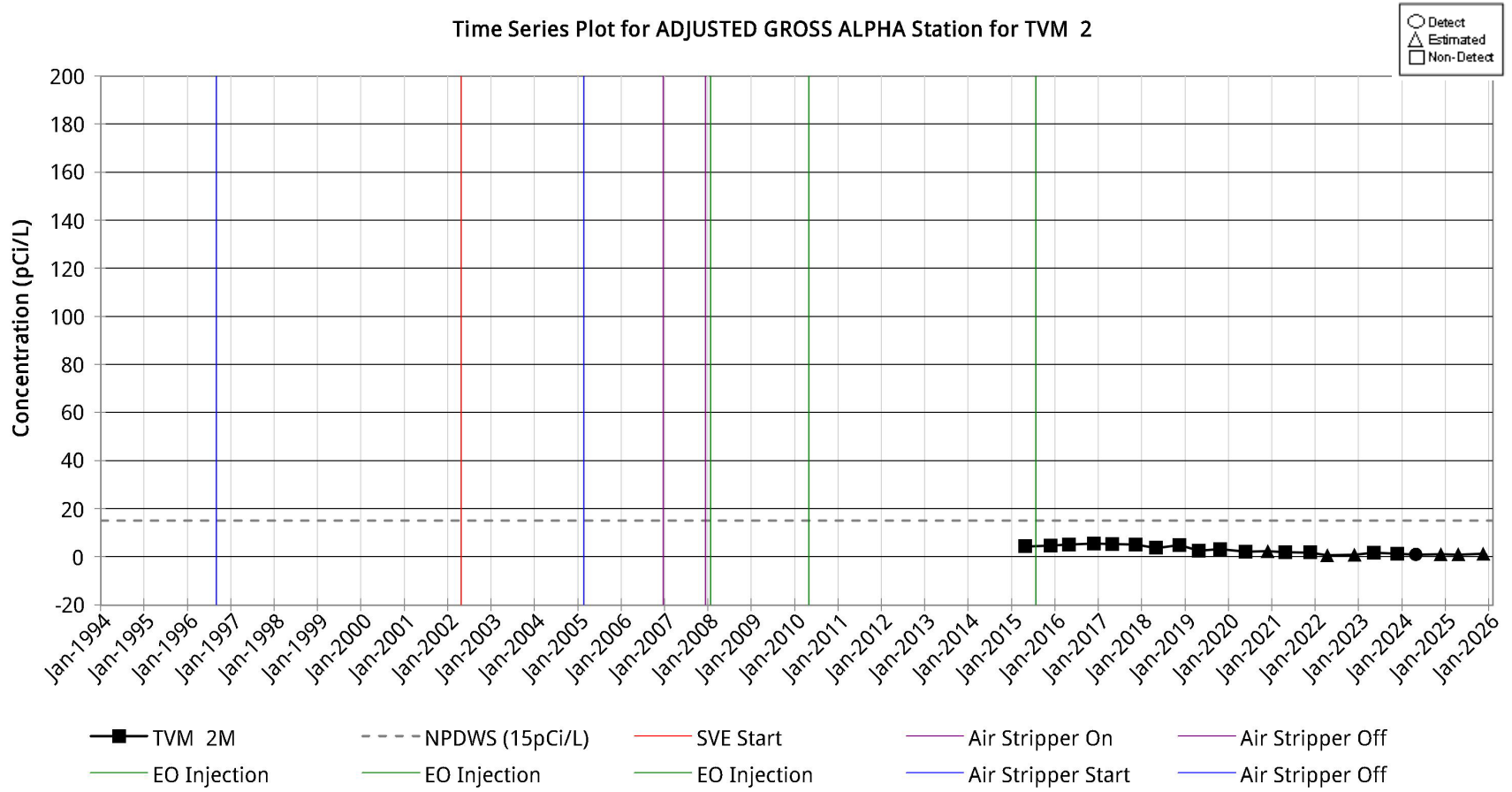
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 1M
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TVM 2
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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Jan-2007
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Jan-2016
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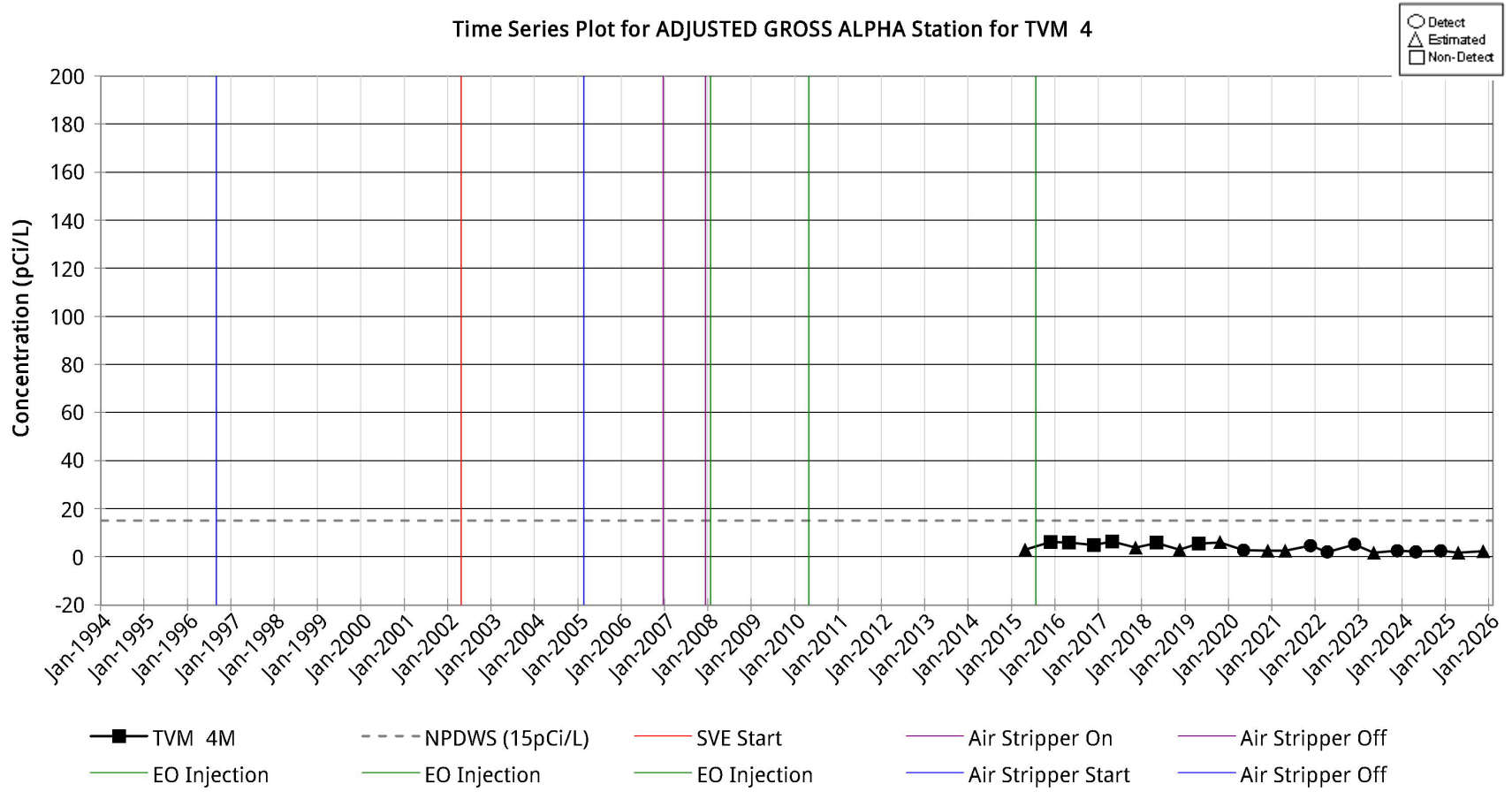
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 2M
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TVM 4
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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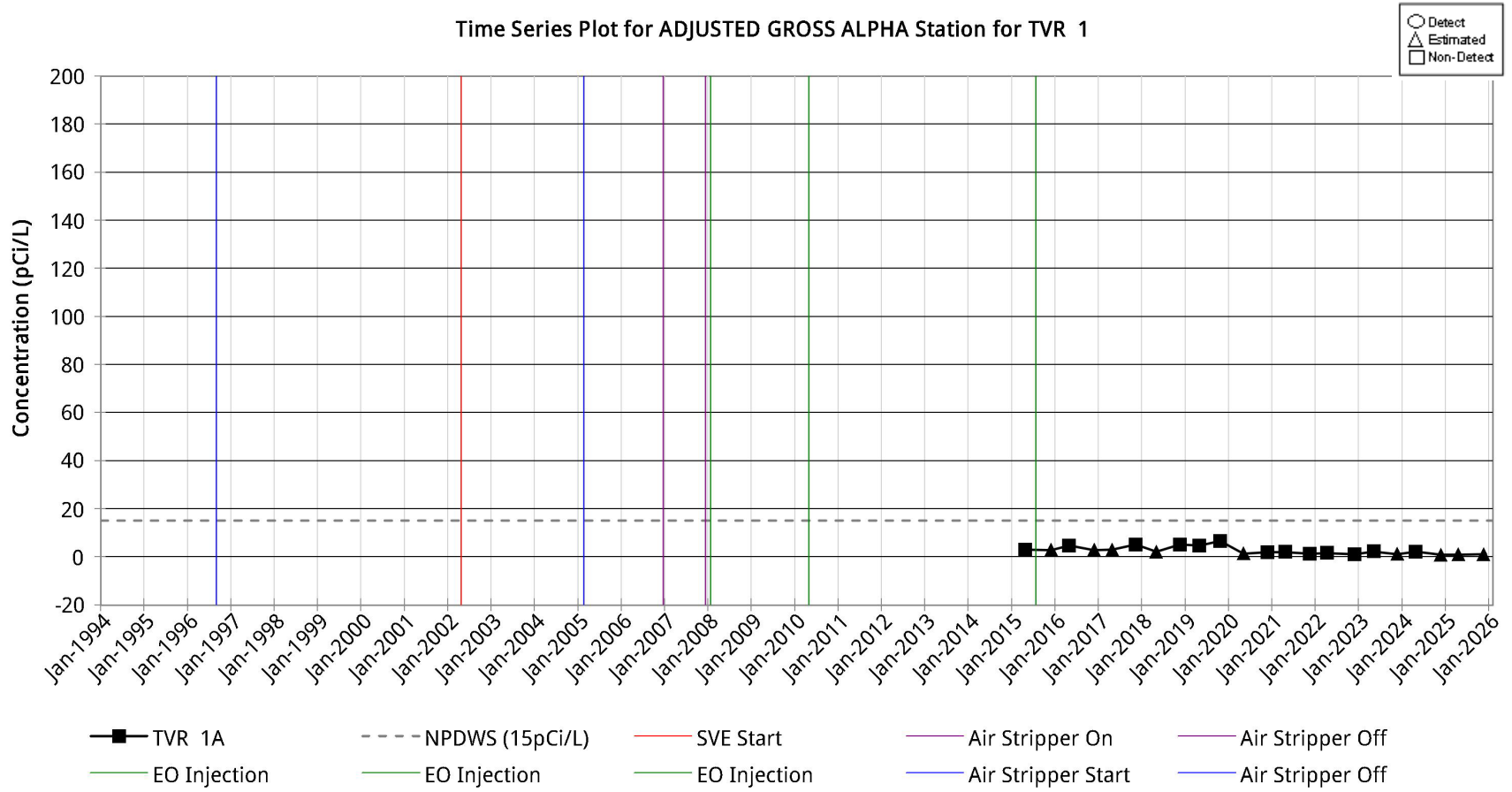
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 4M
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for TVR 1
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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Jan-2006
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Jan-2010
Jan-2011
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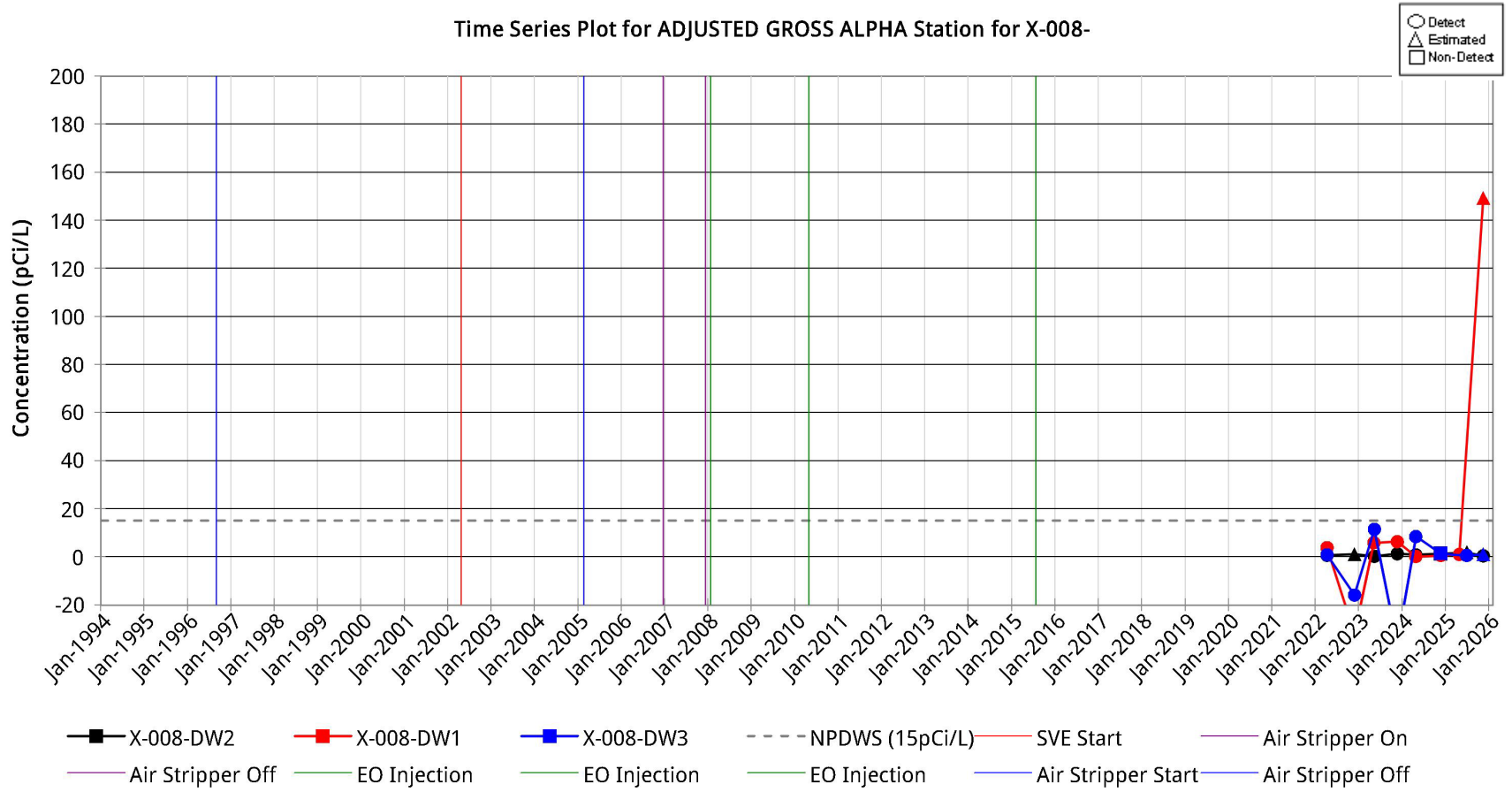
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVR 1A
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for X-008-
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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Jan-2006
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Jan-2011
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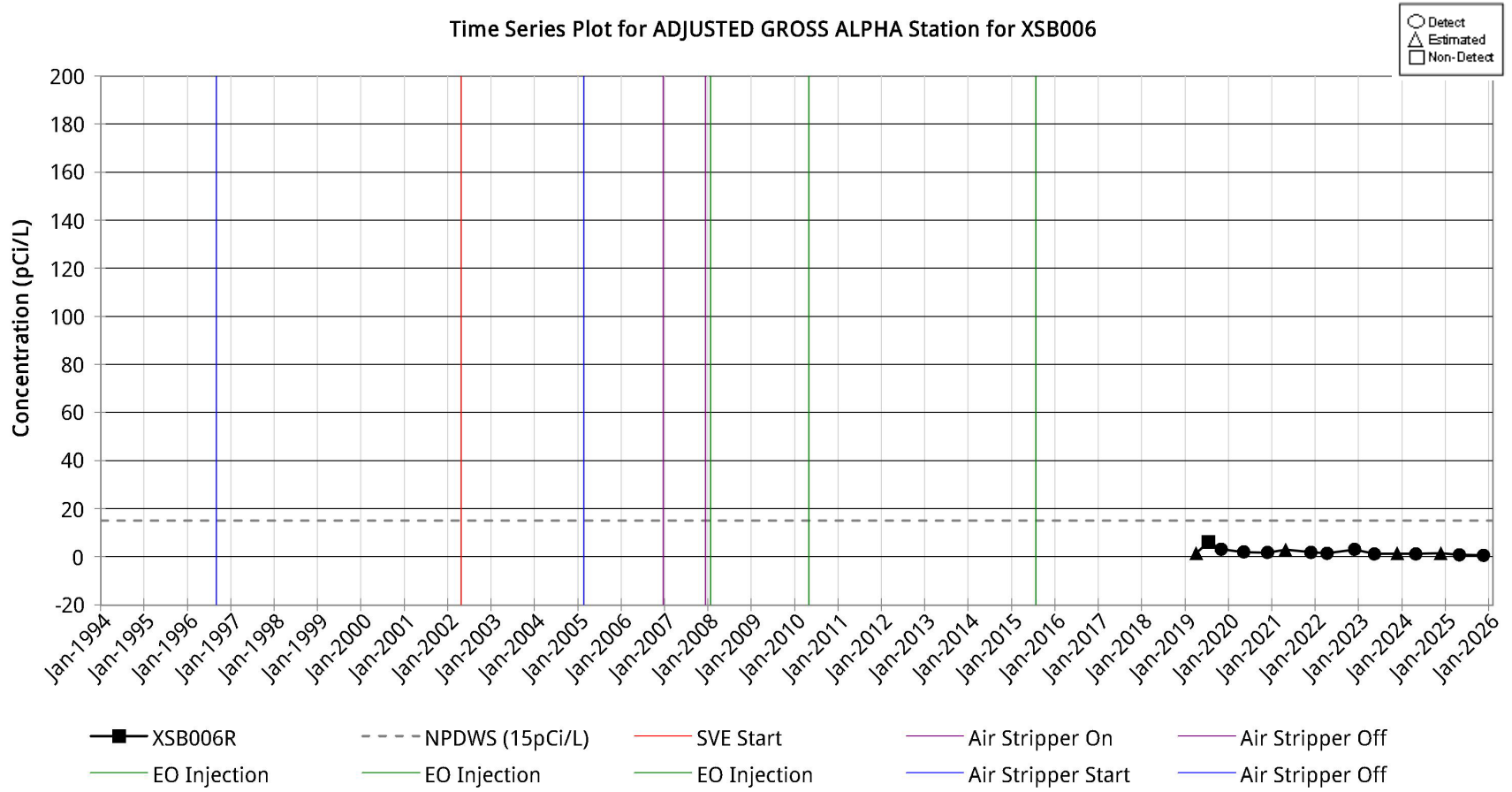
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
X-008-DW2
X-008-DW1
X-008-DW3
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for ADJUSTED GROSS ALPHA Station for XSB006
Detect
Estimated
Non-Detect
Concentration (pCi/L)
200
180
160
140
120
100
80
60
40
20
0
-20
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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Jan-2005
Jan-2006
Jan-2007
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Jan-2011
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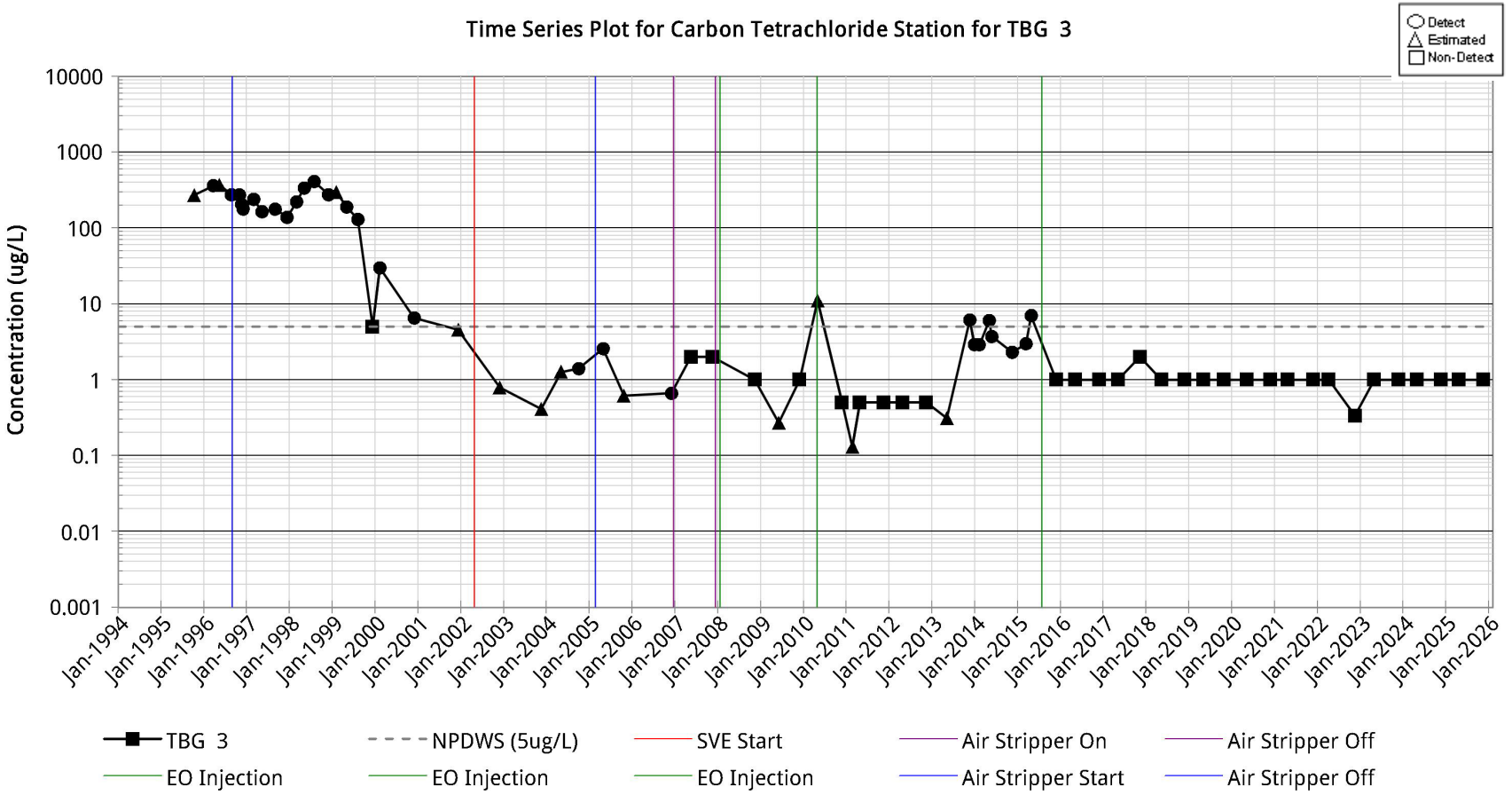
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
XSB006R
NPDWS (15pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Carbon Tetrachloride Station for TBG 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
0.001
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
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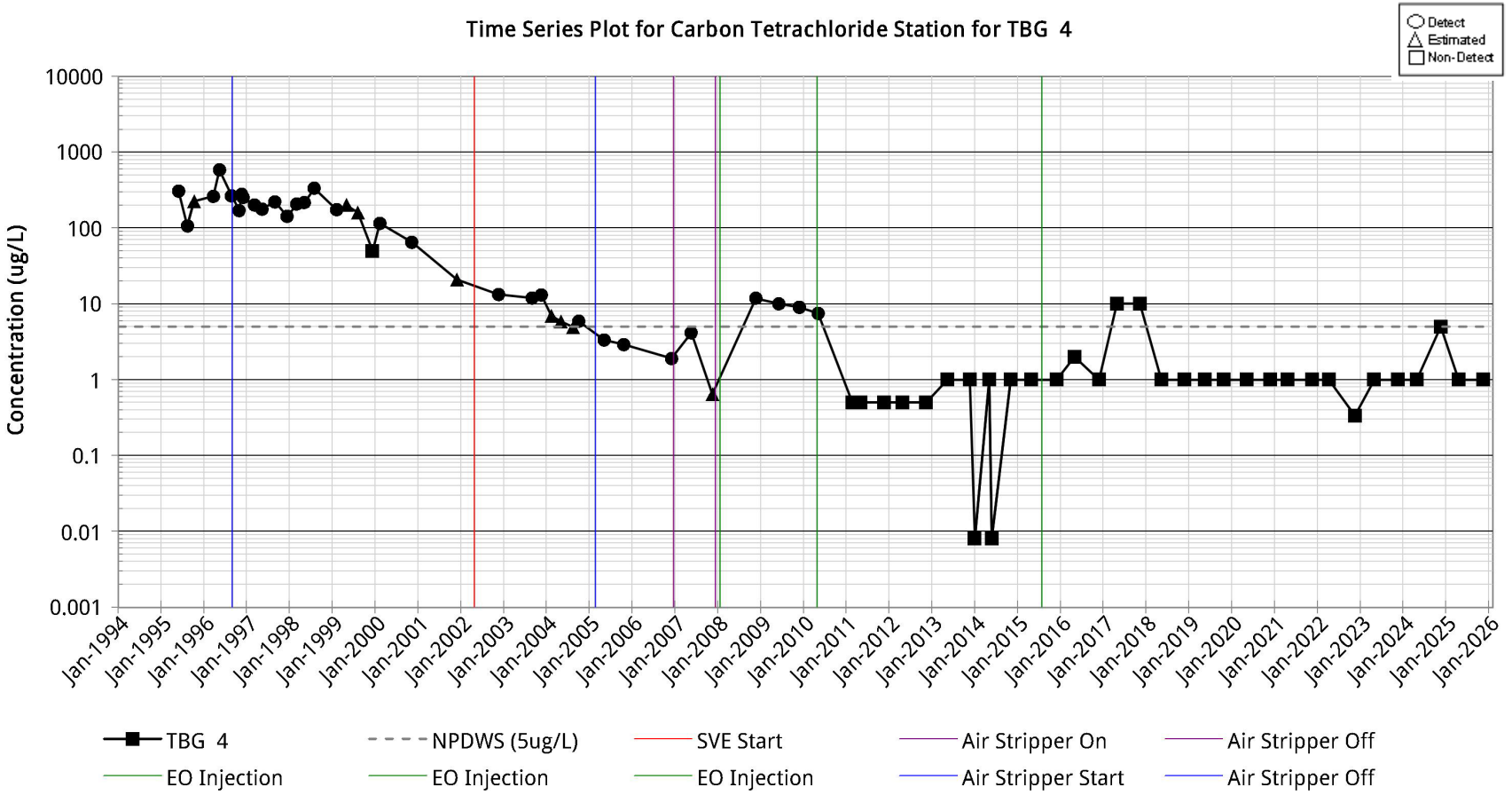
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 3
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Carbon Tetrachloride Station for TBG 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
0.001
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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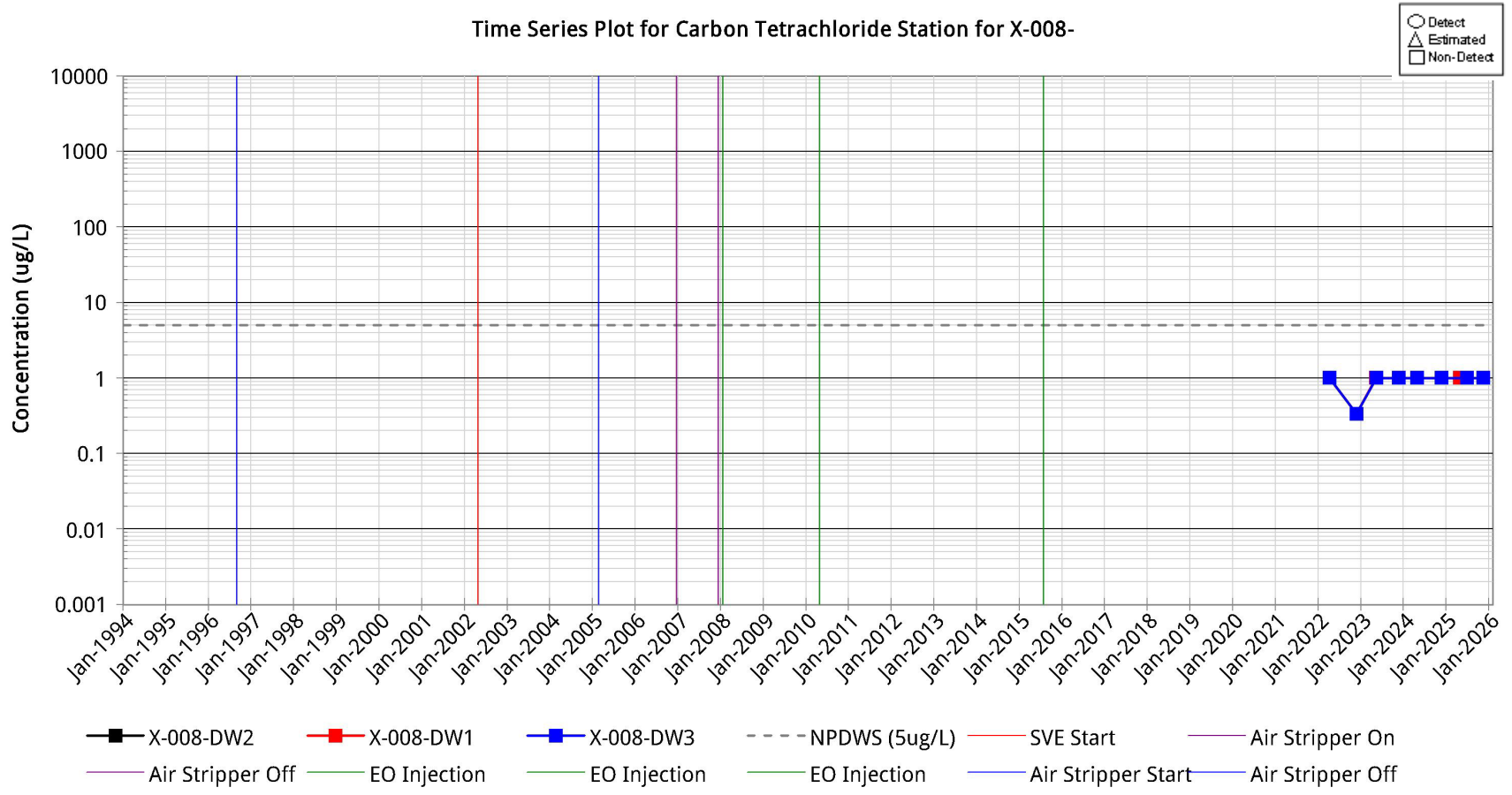
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 4
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Carbon Tetrachloride Station for X-008-
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
0.001
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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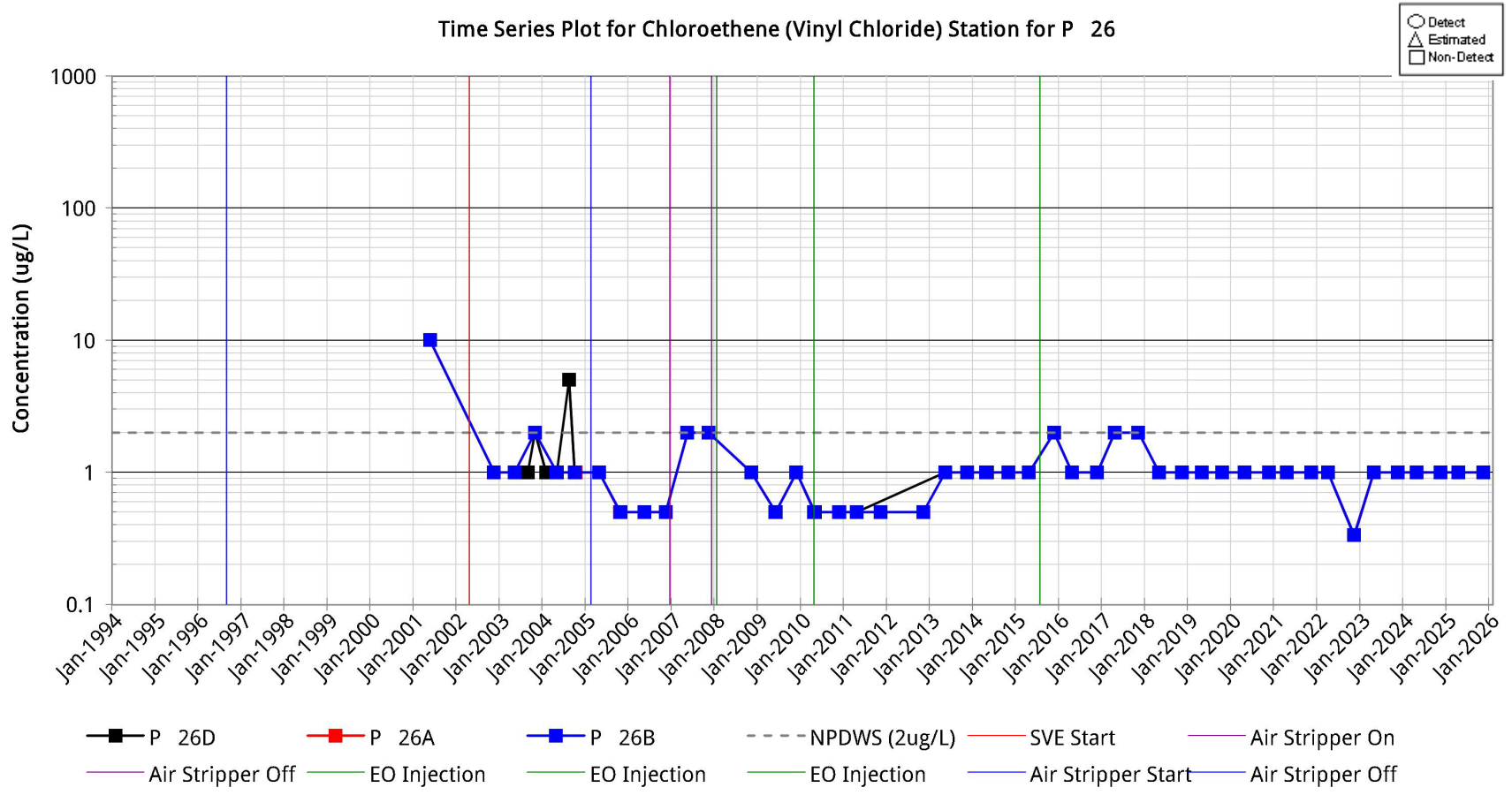
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
X-008-DW2
X-008-DW1
X-008-DW3
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for P 26
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2011
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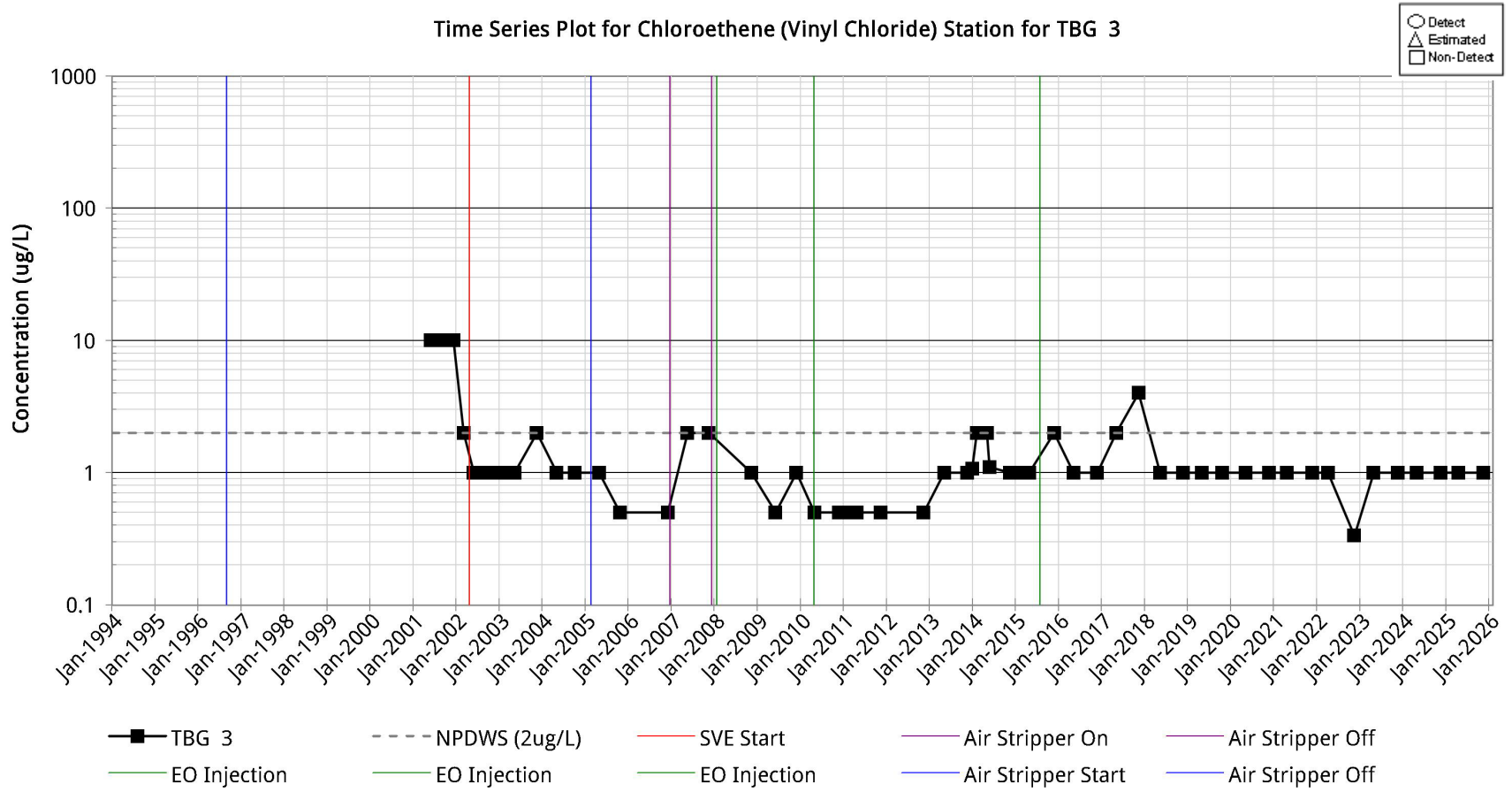
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
P 26D
P 26A
P 26B
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TBG 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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Jan-2011
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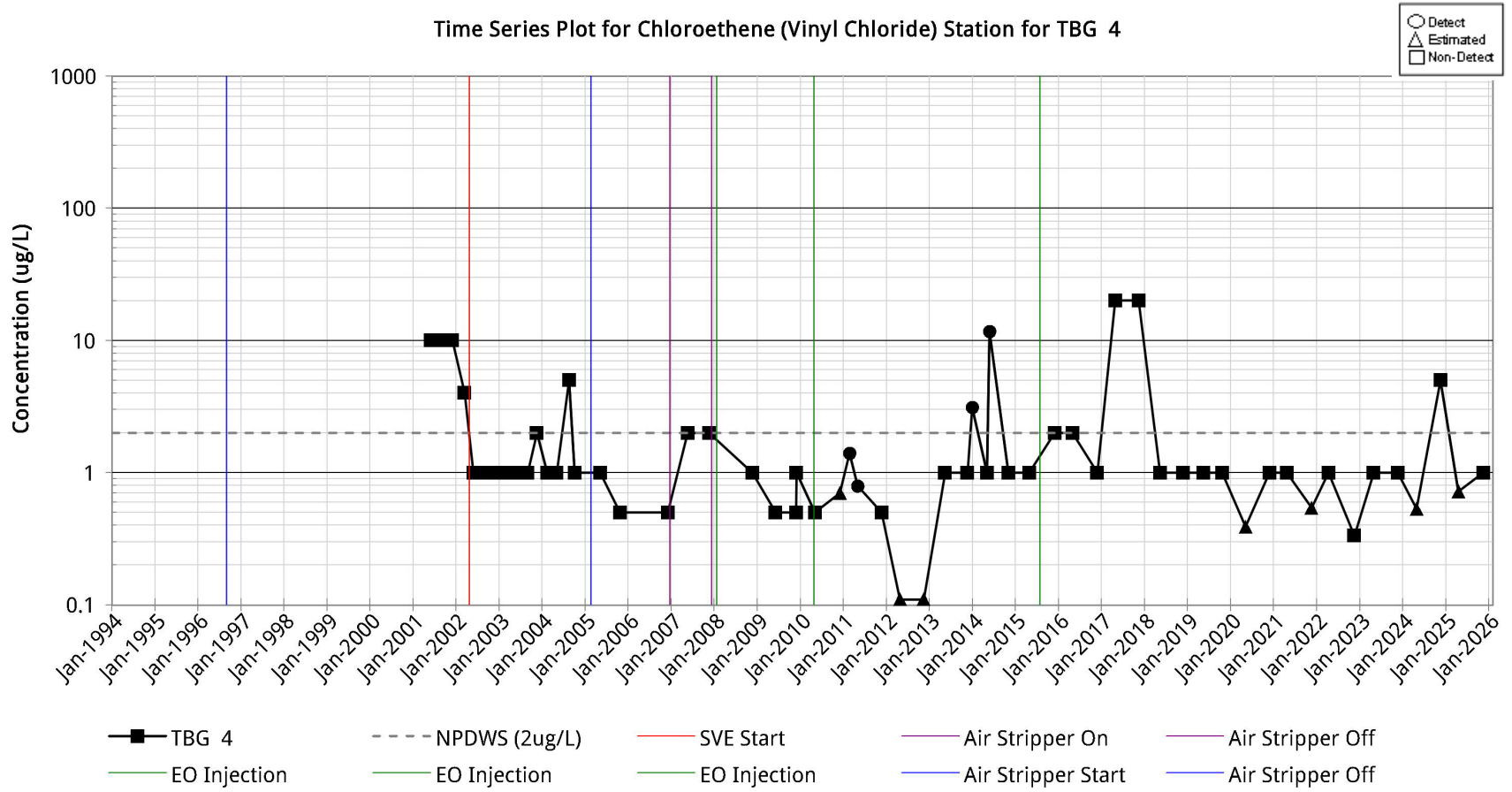
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 3
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TBG 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
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Jan-2010
Jan-2011
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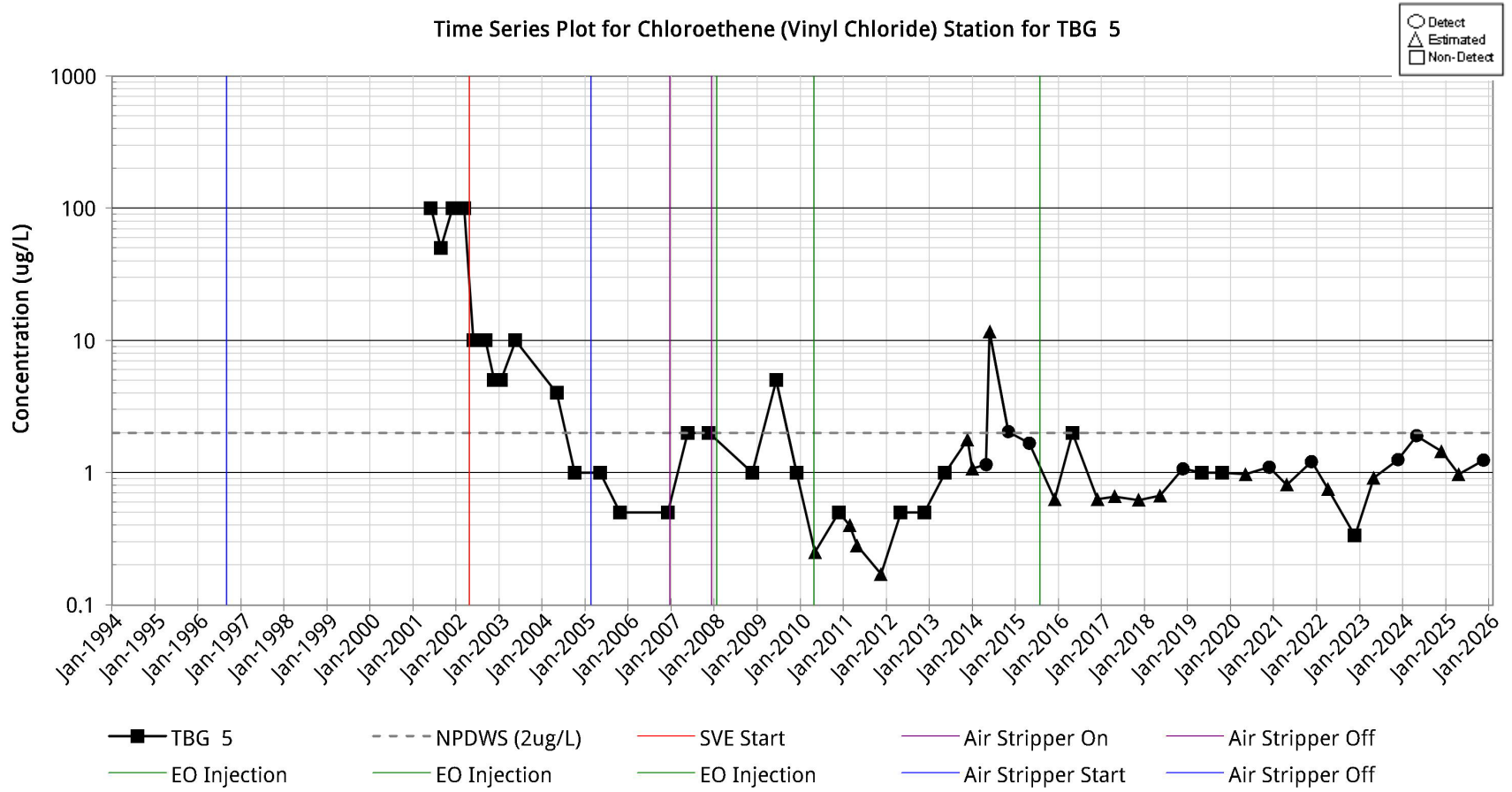
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 4
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TBG 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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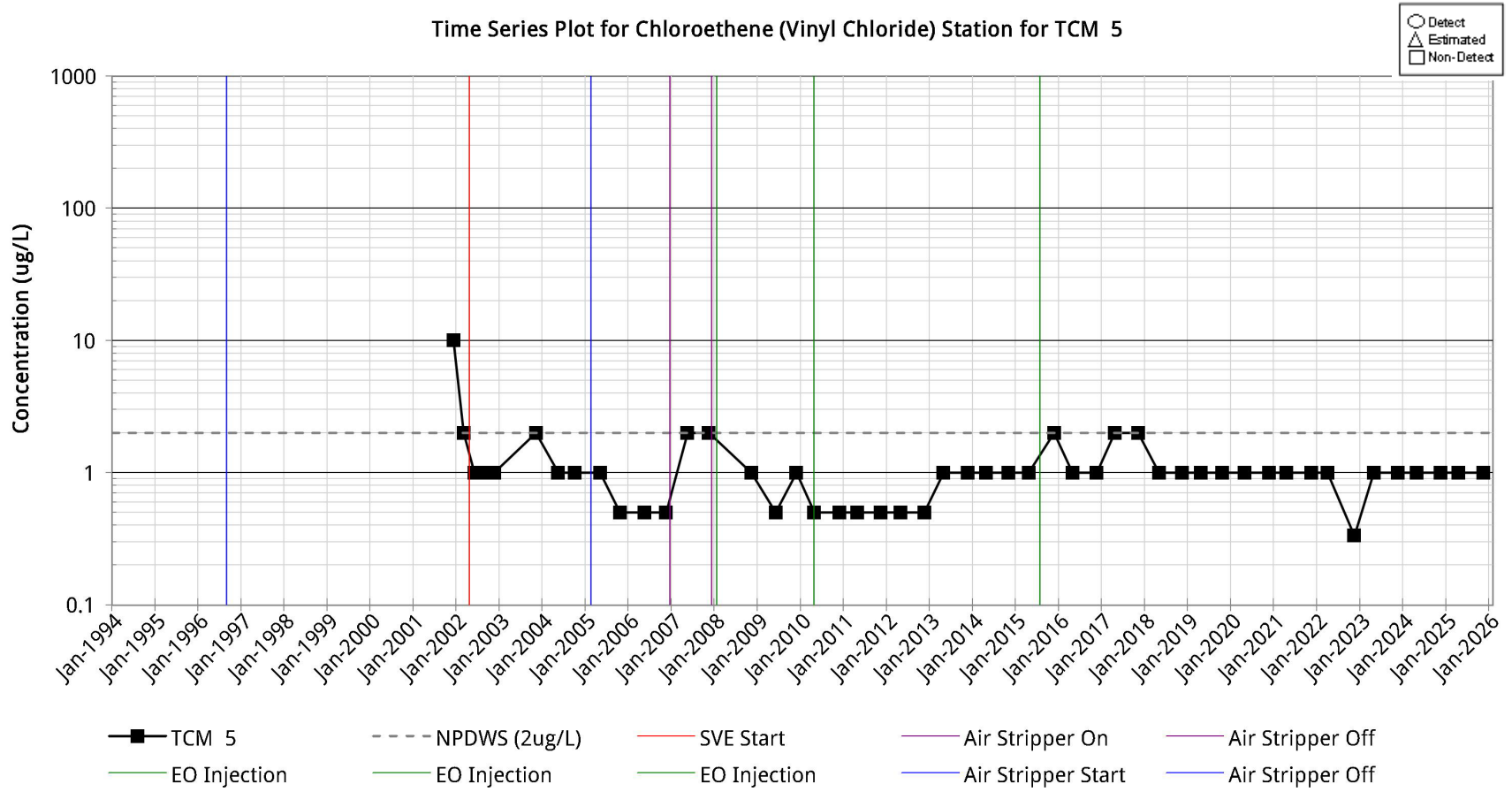
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 5
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TCM 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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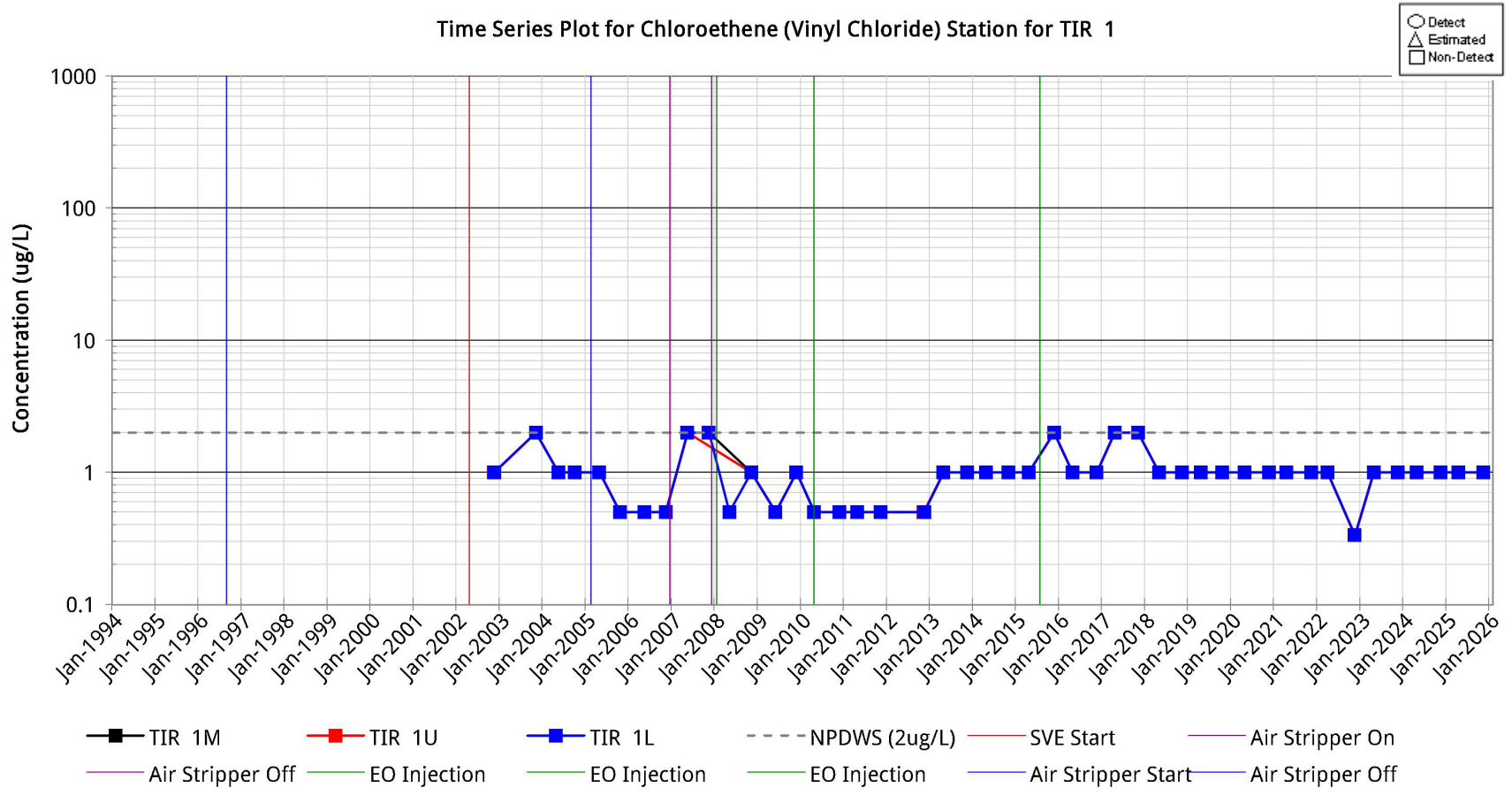
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TCM 5
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TIR 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2011
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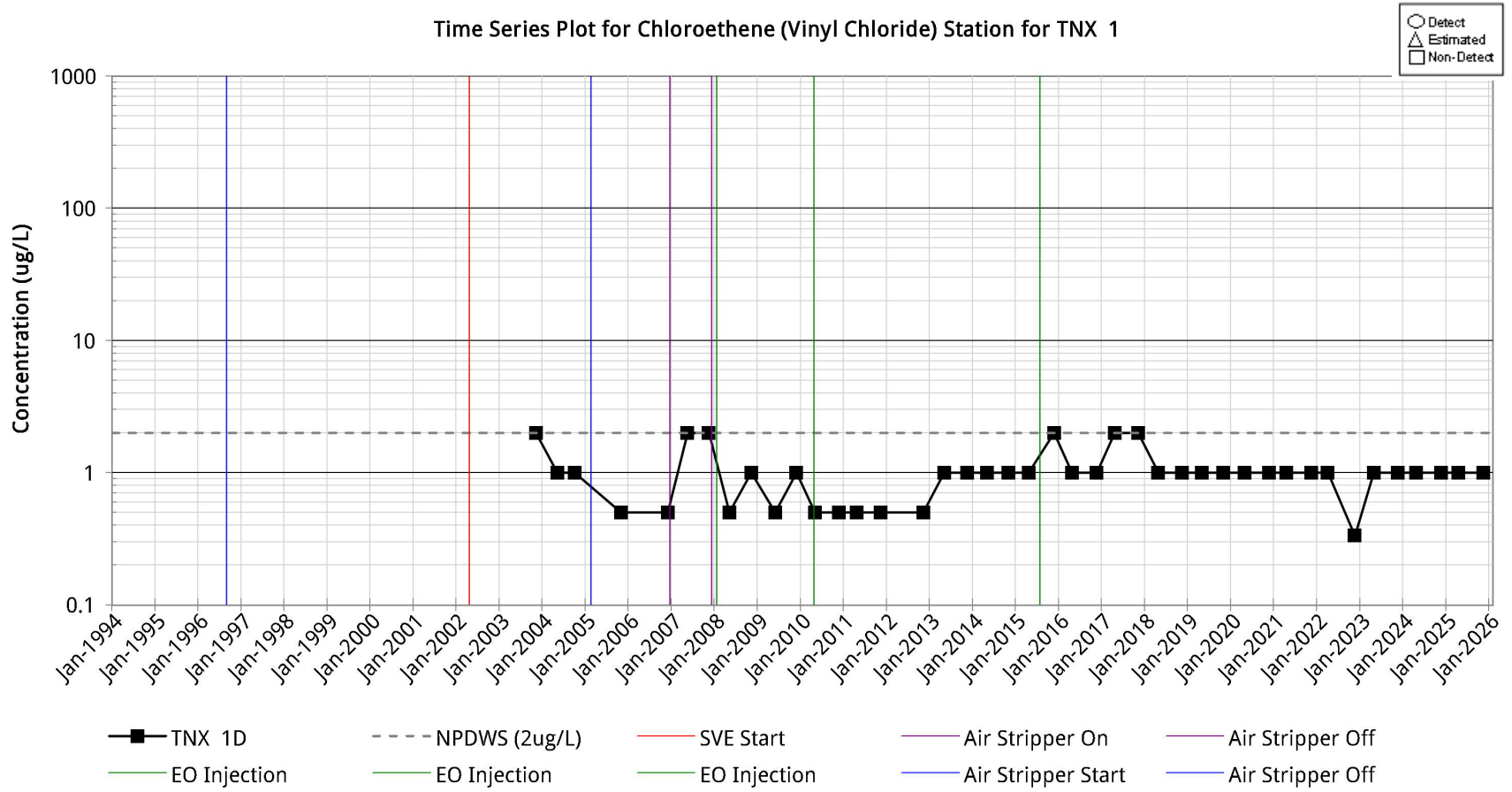
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TIR 1M
TIR 1U
TIR 1L
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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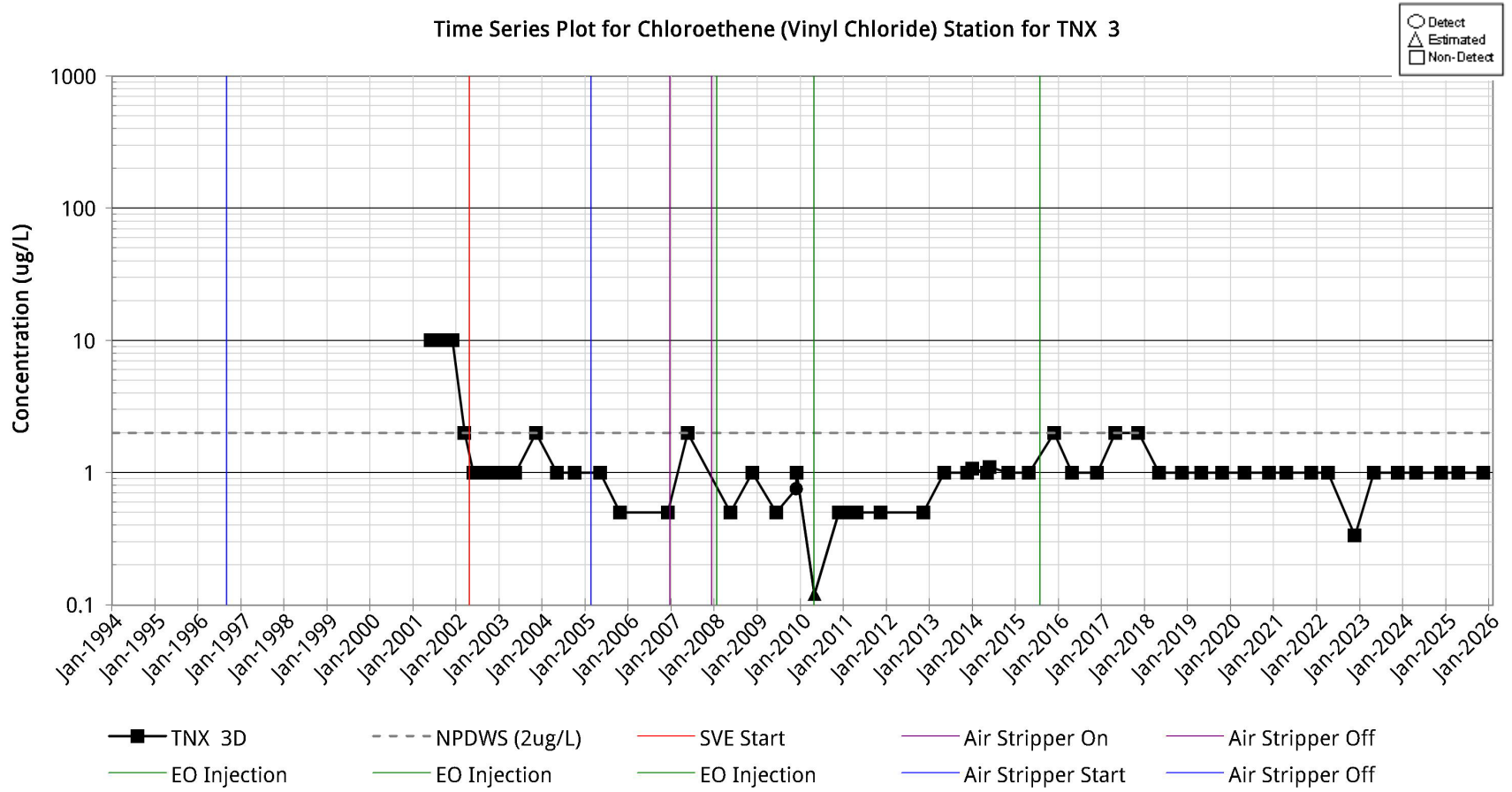
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 1D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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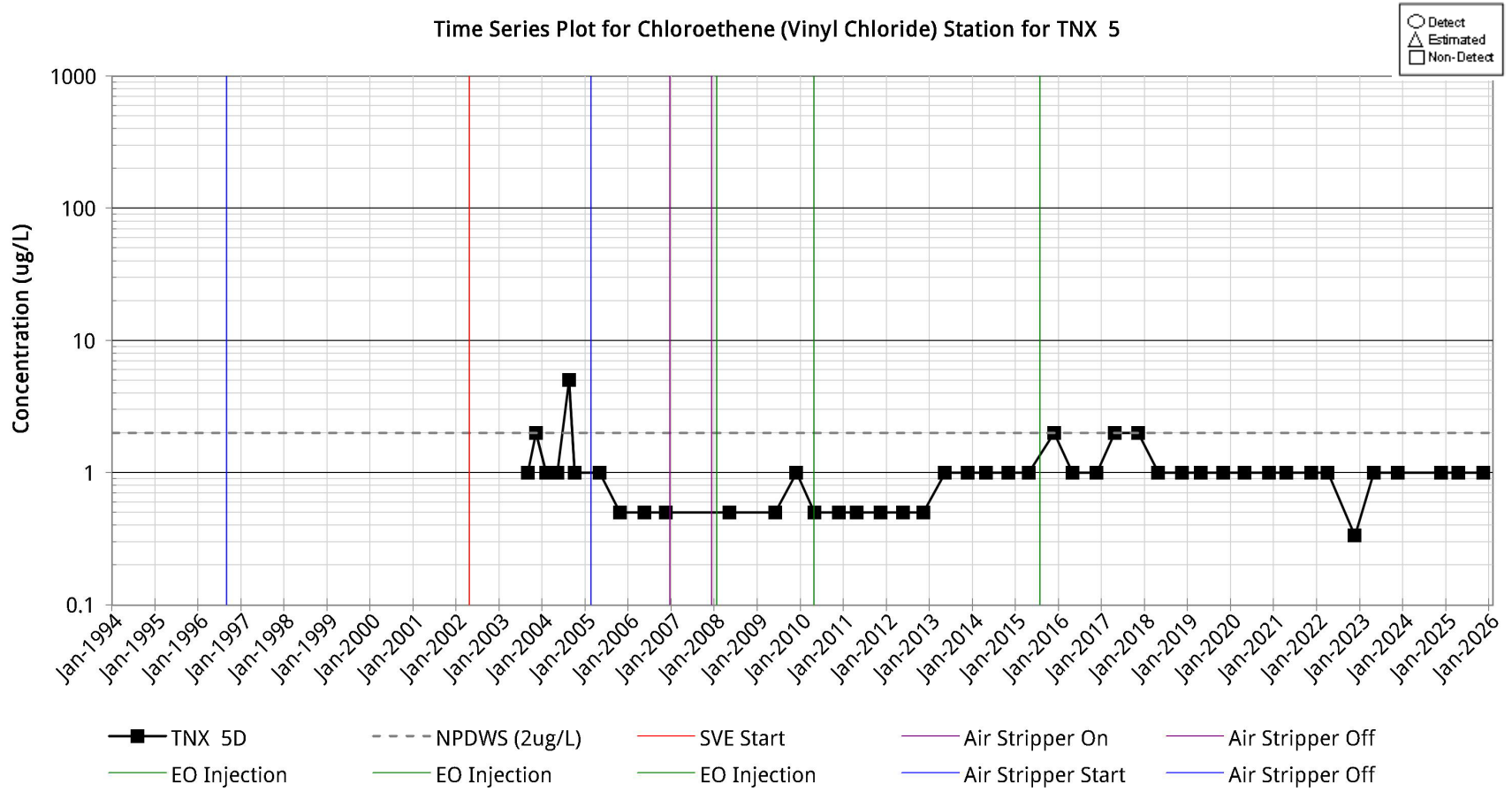
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 3D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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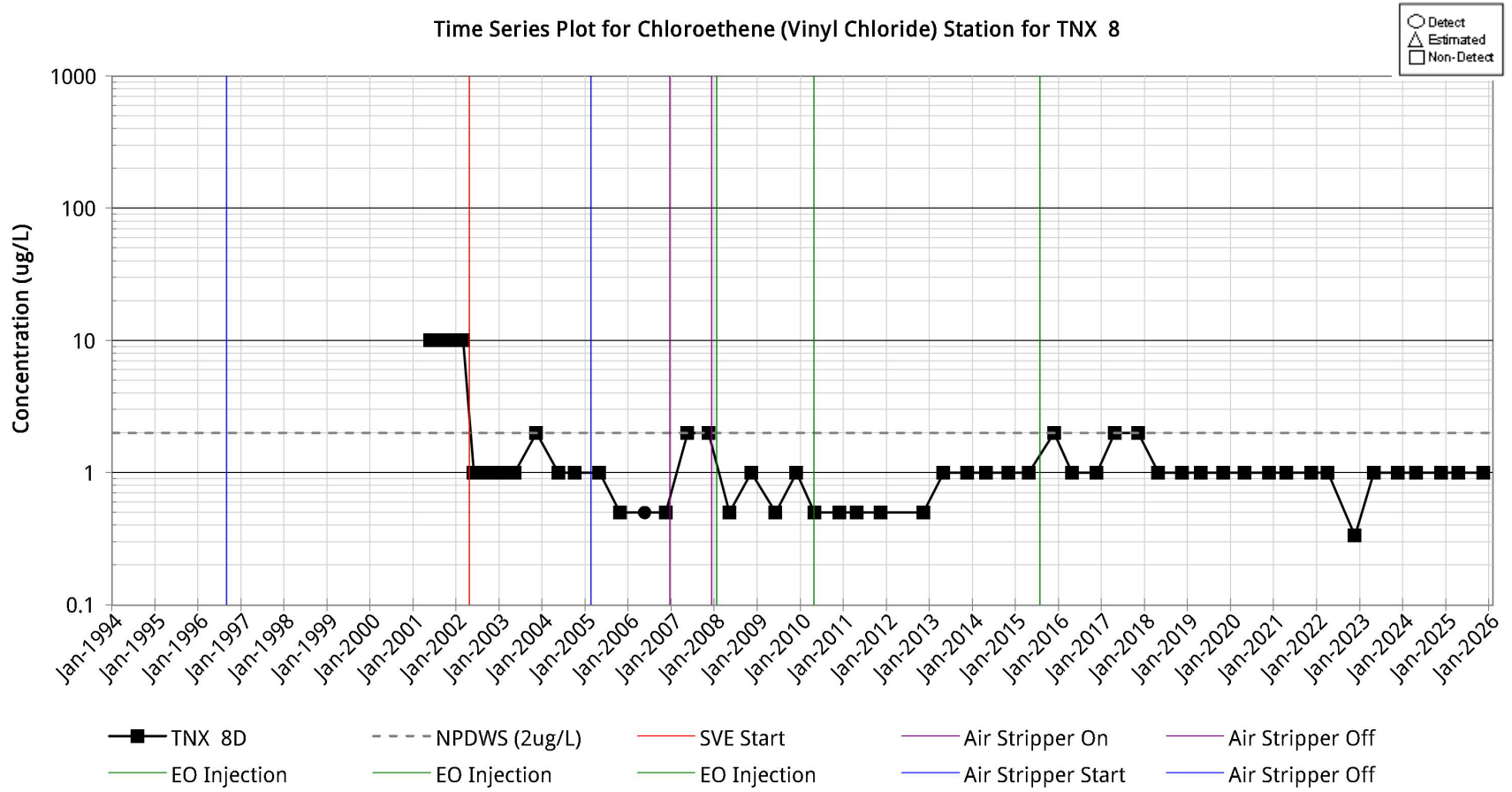
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 5D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 8
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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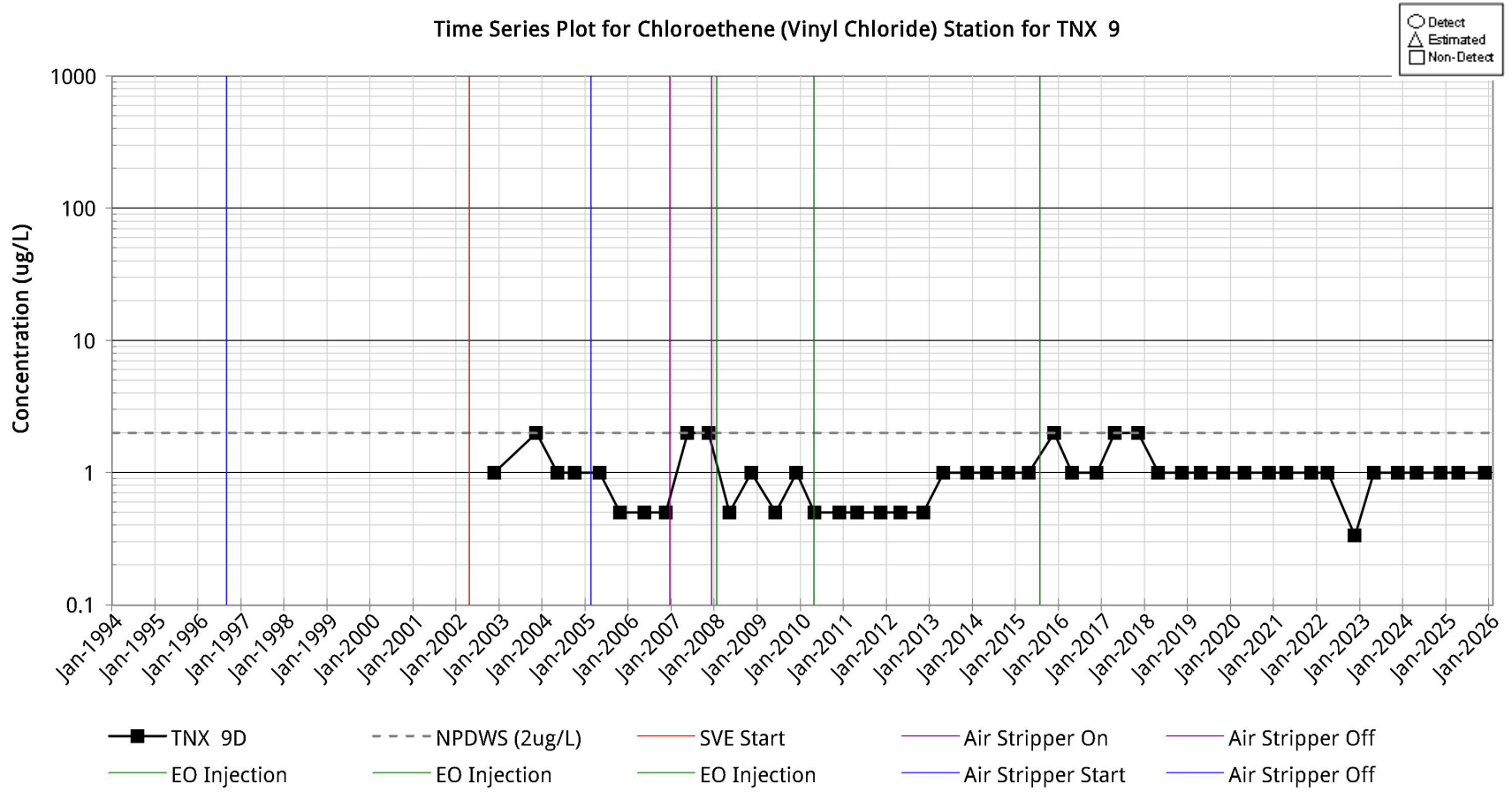
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 8D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 9
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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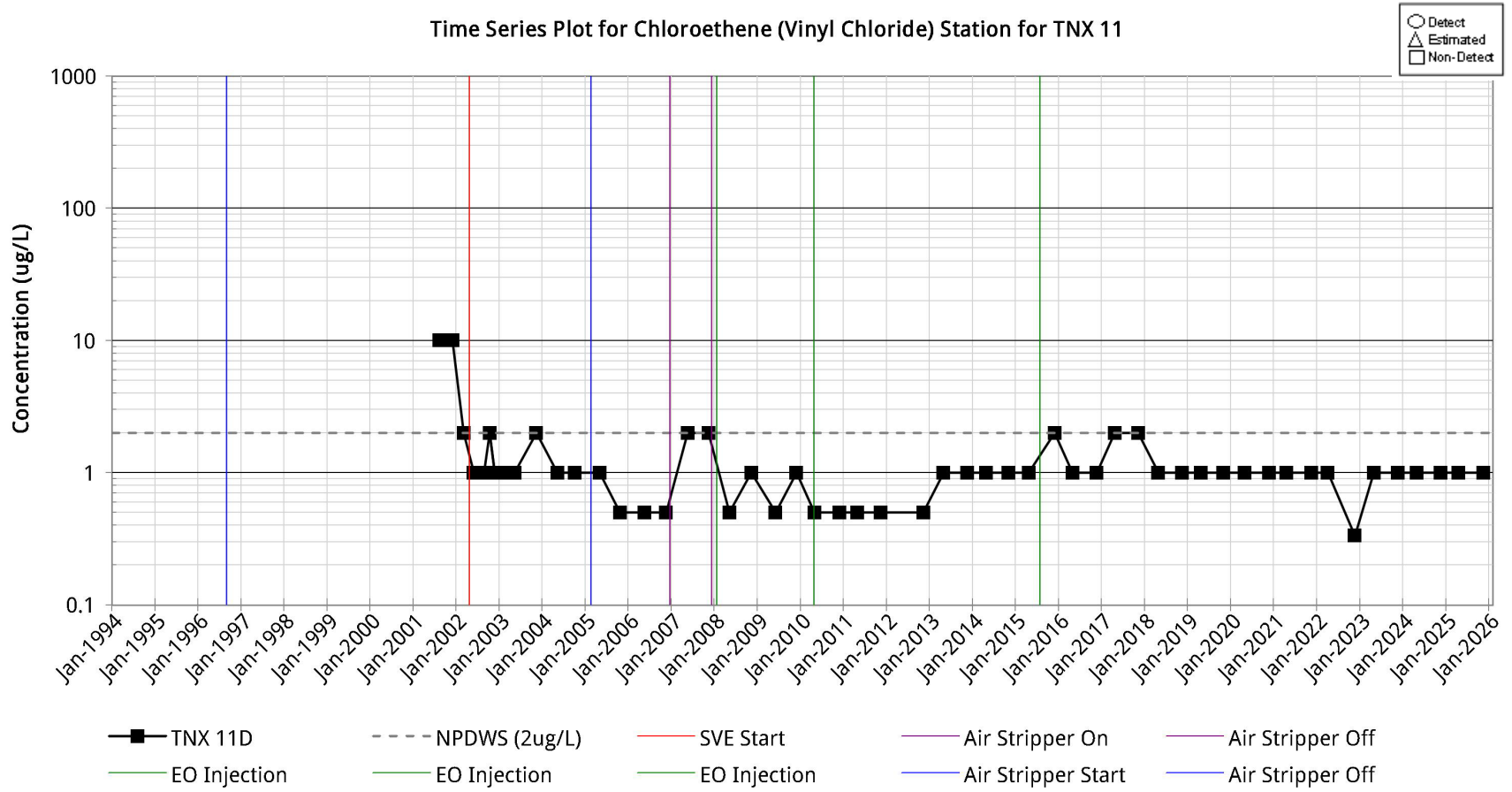
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 9D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 11
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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Jan-2006
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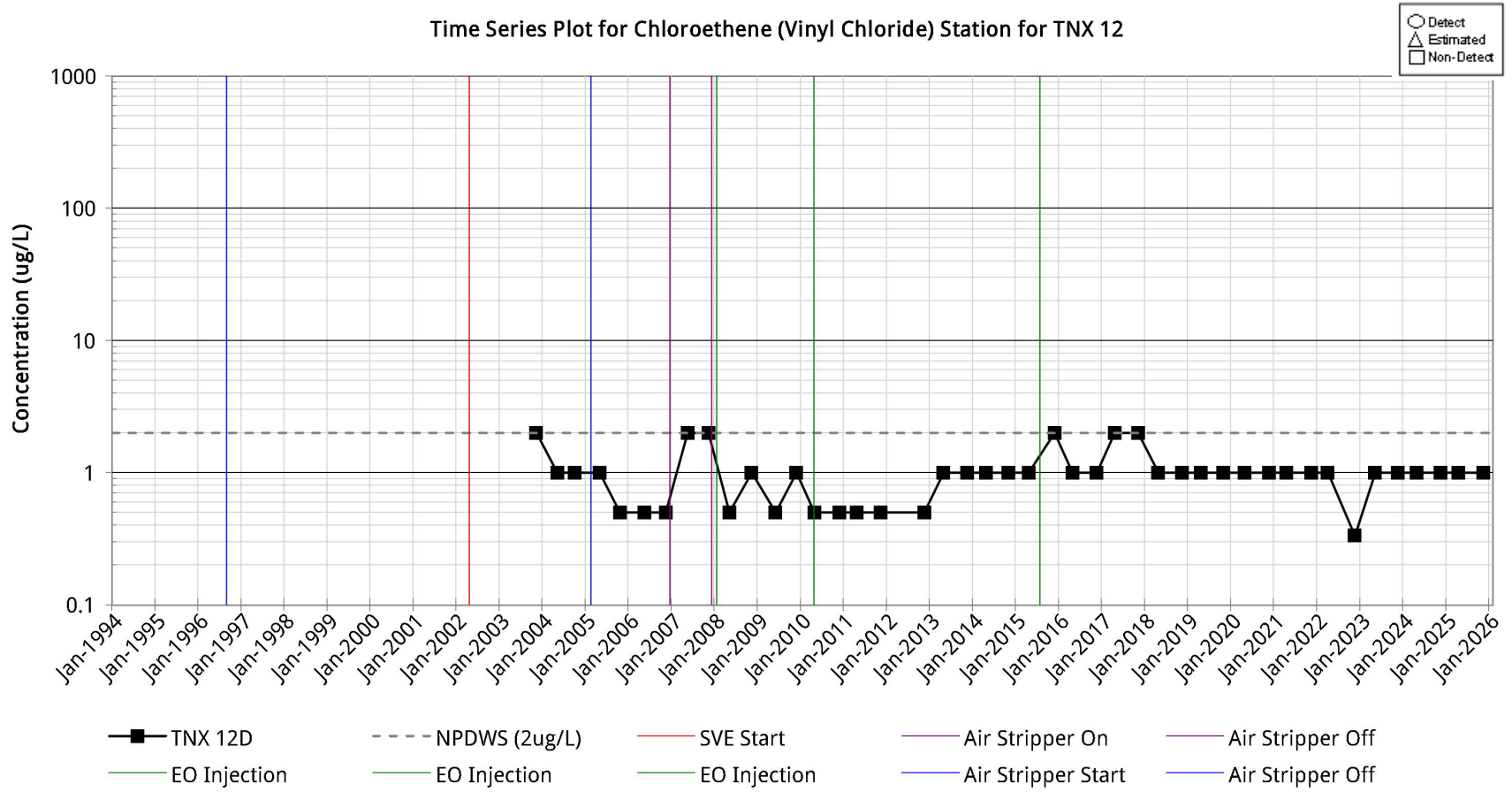
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 11D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 12
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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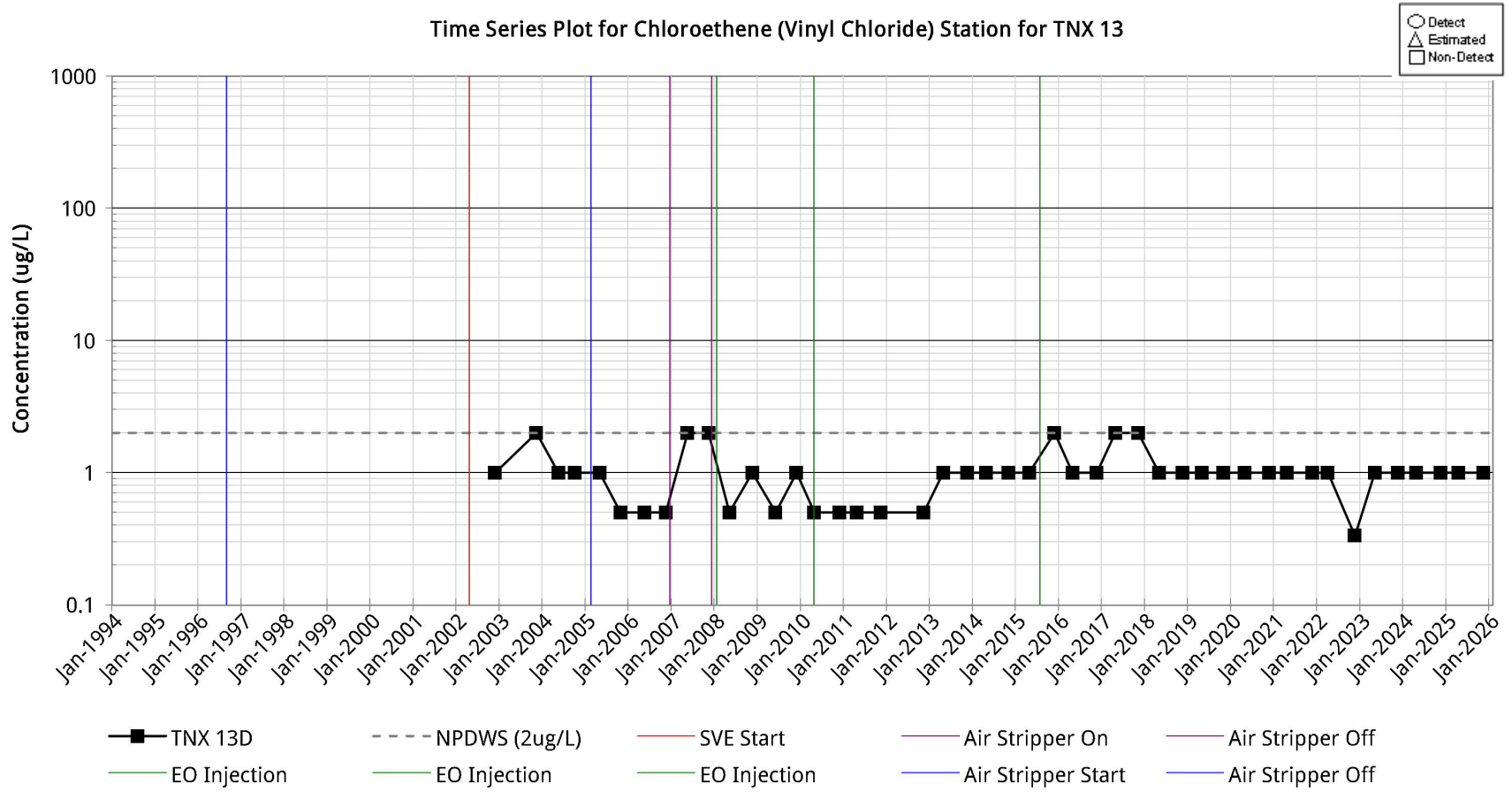
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 12D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 13
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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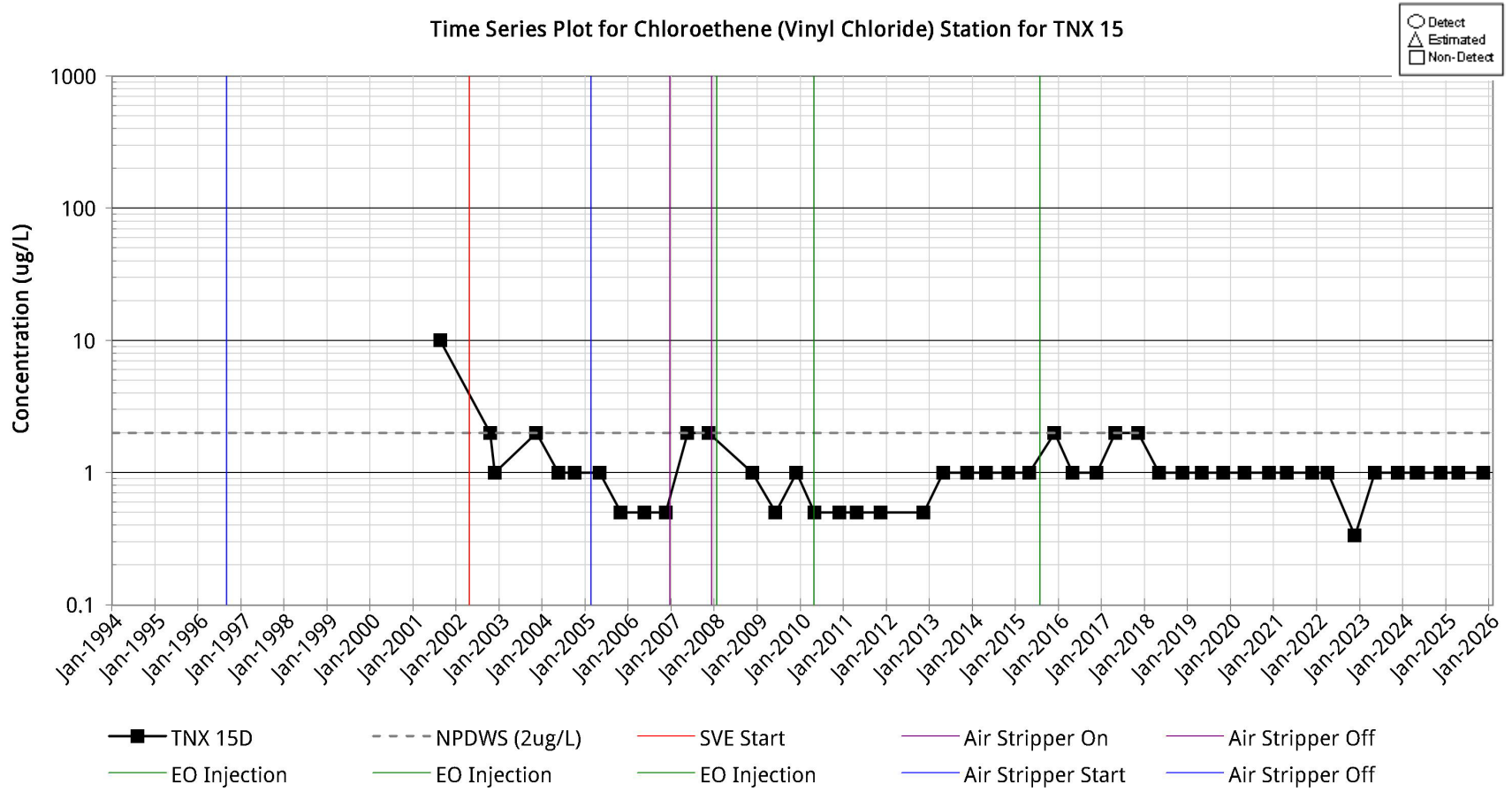
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 13D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 15
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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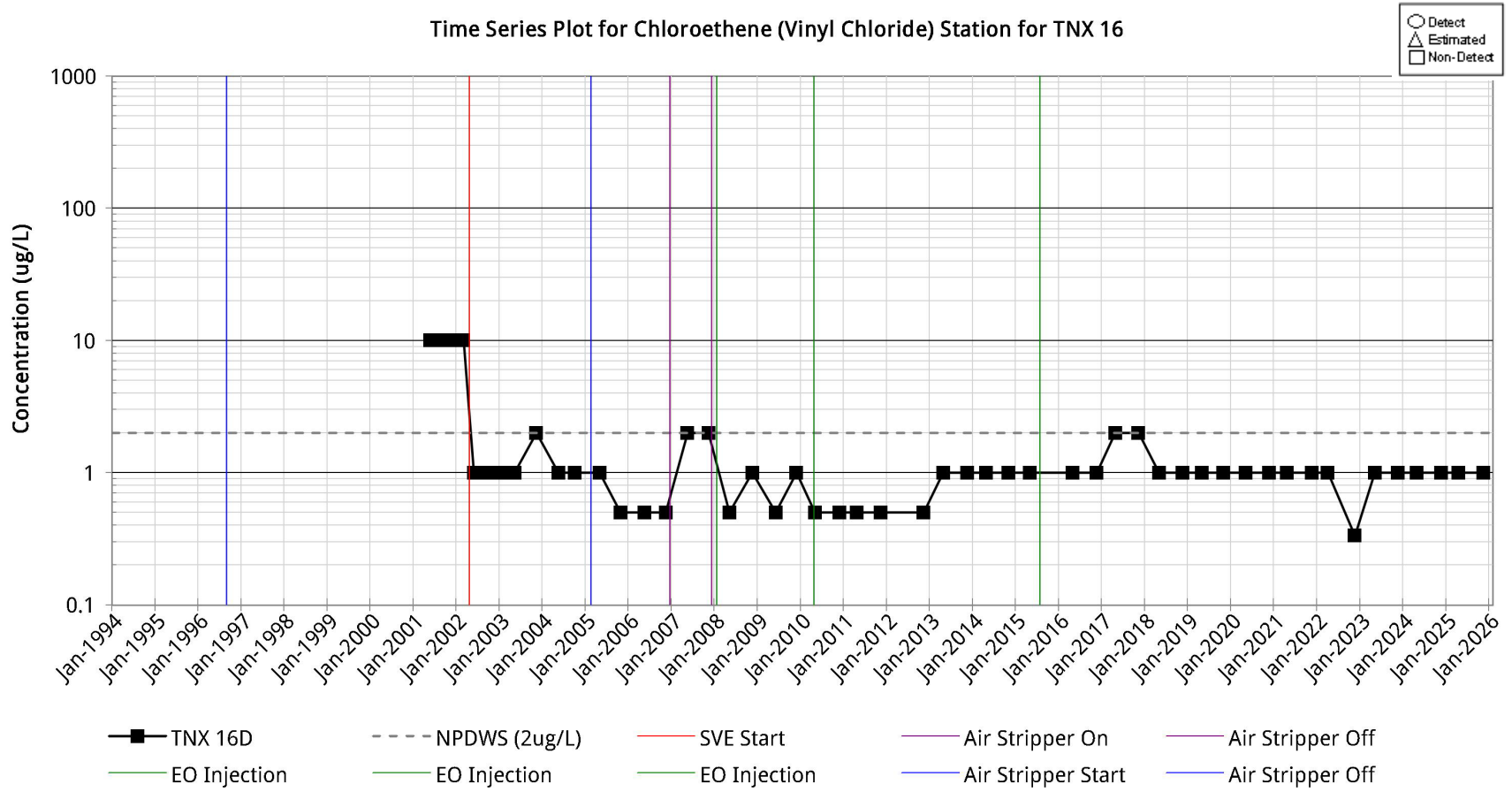
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 15D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 16
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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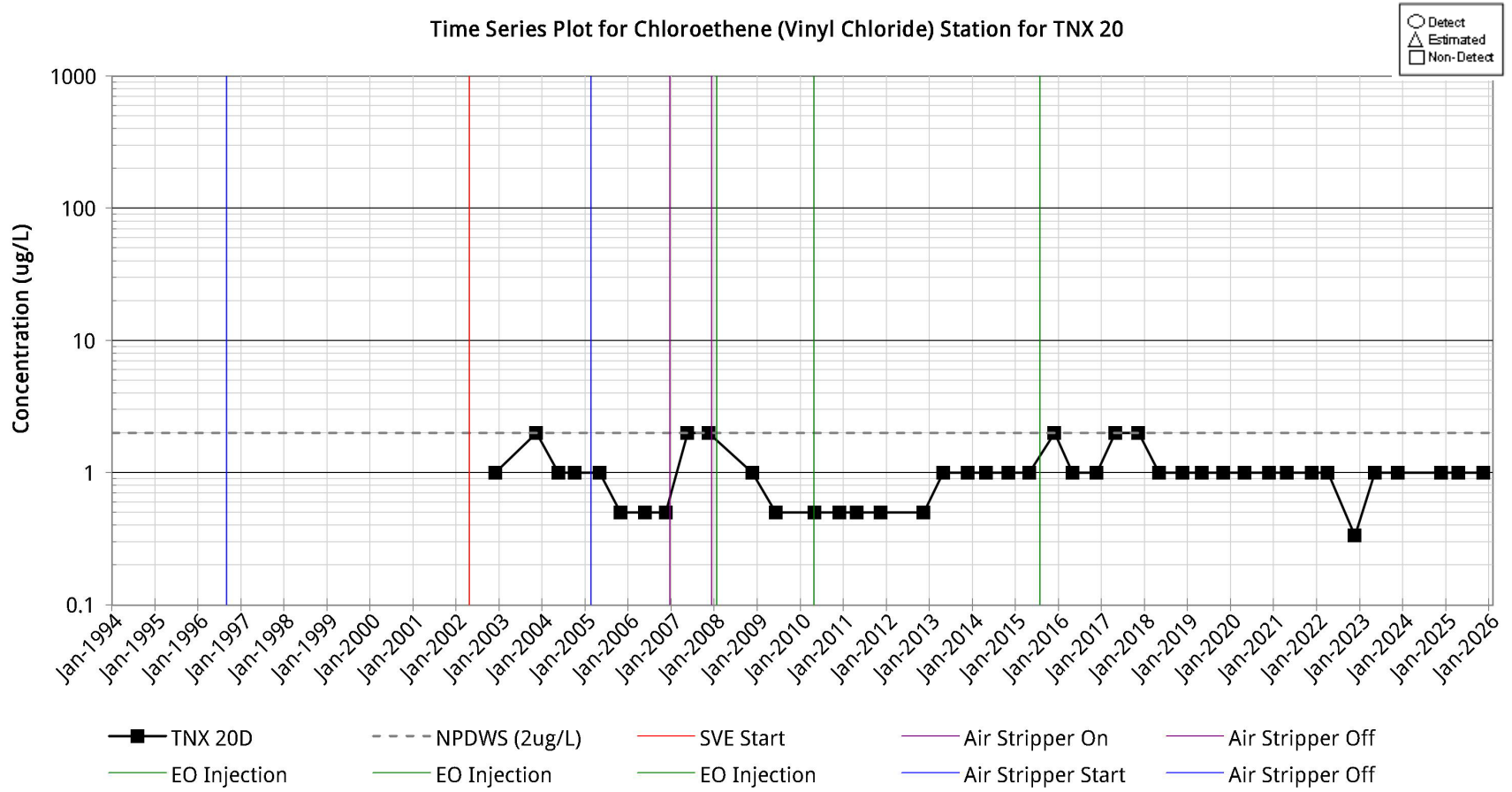
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 16D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 20
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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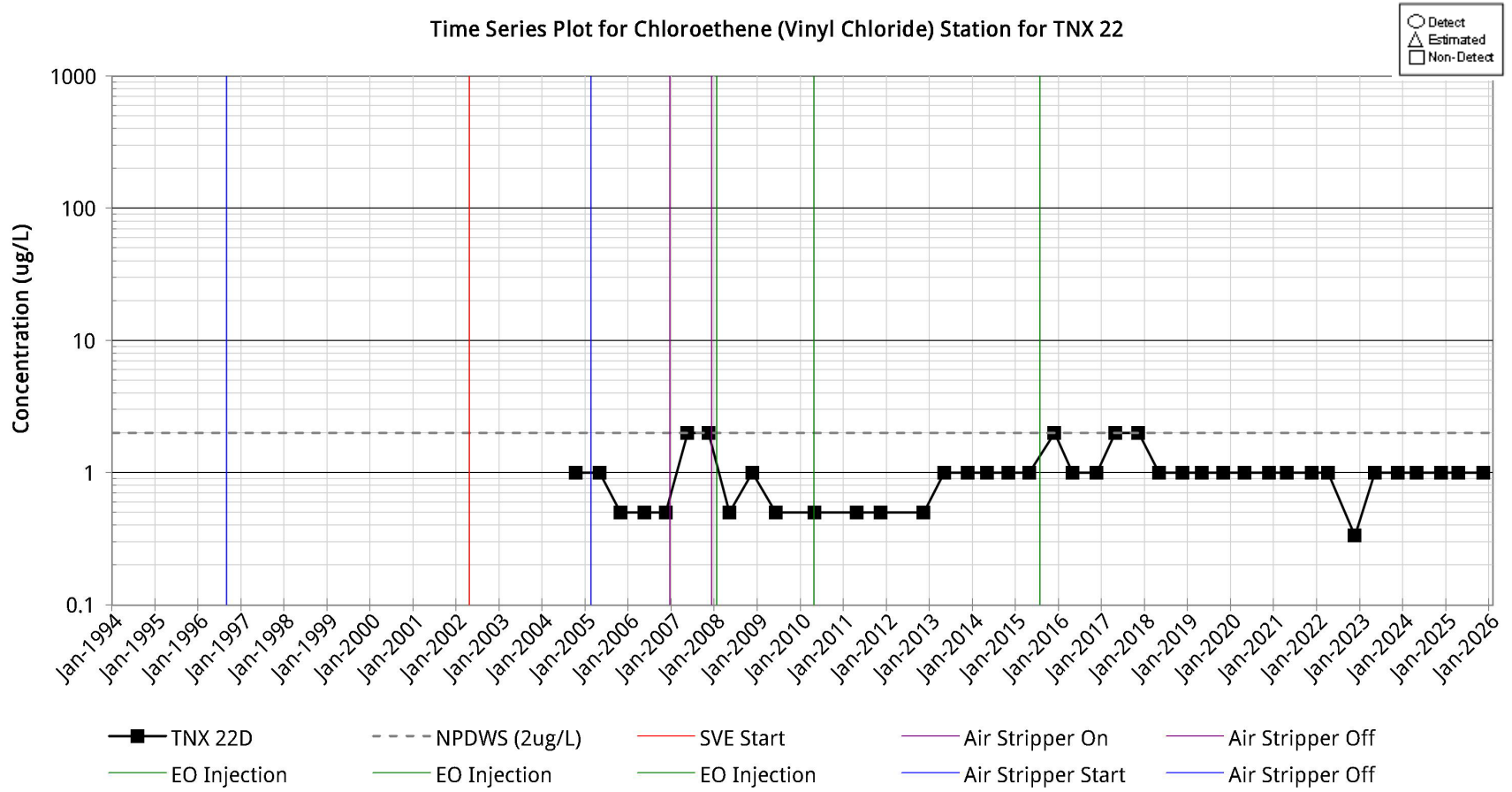
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 20D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 22
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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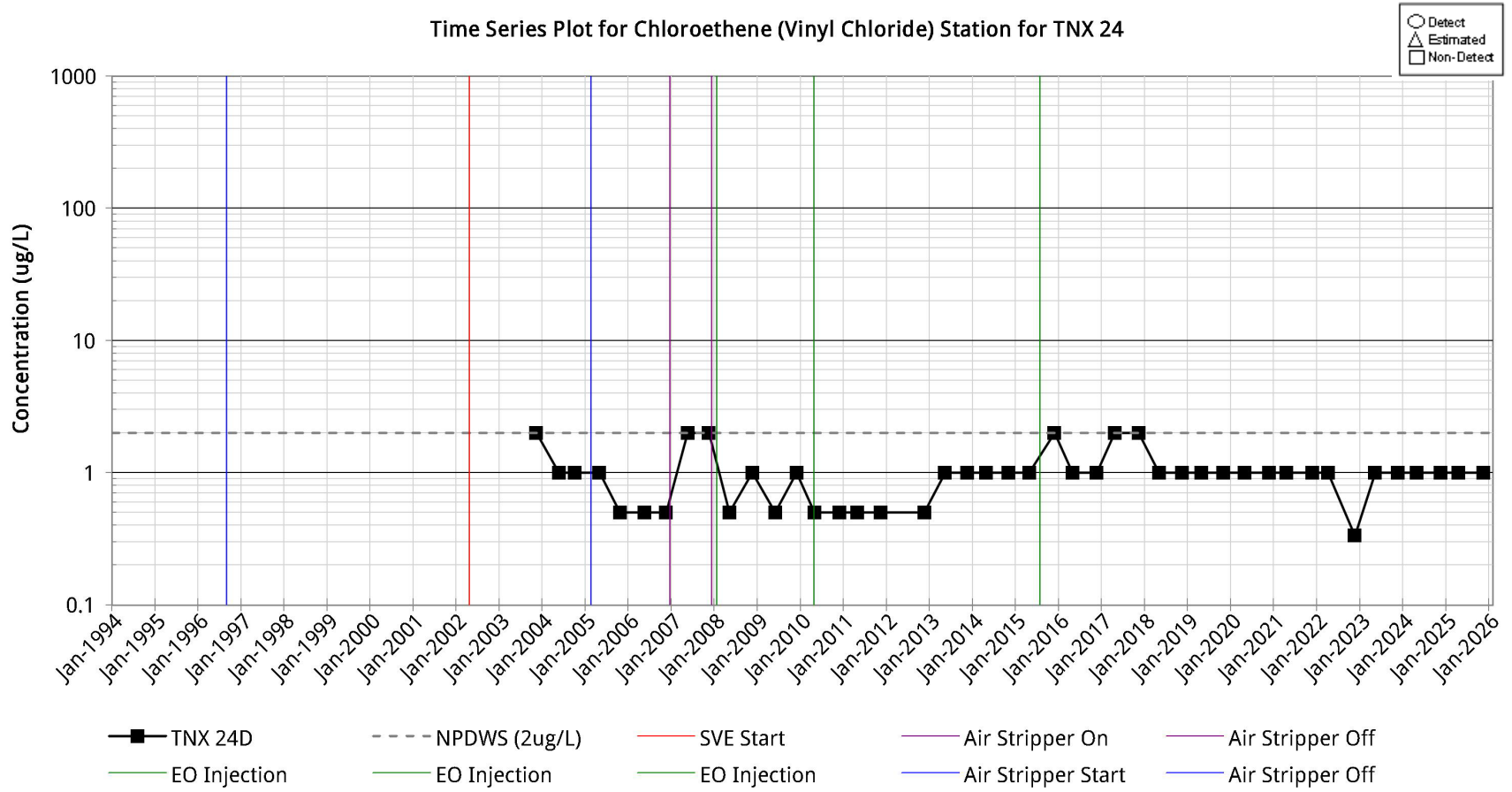
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 22D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 24
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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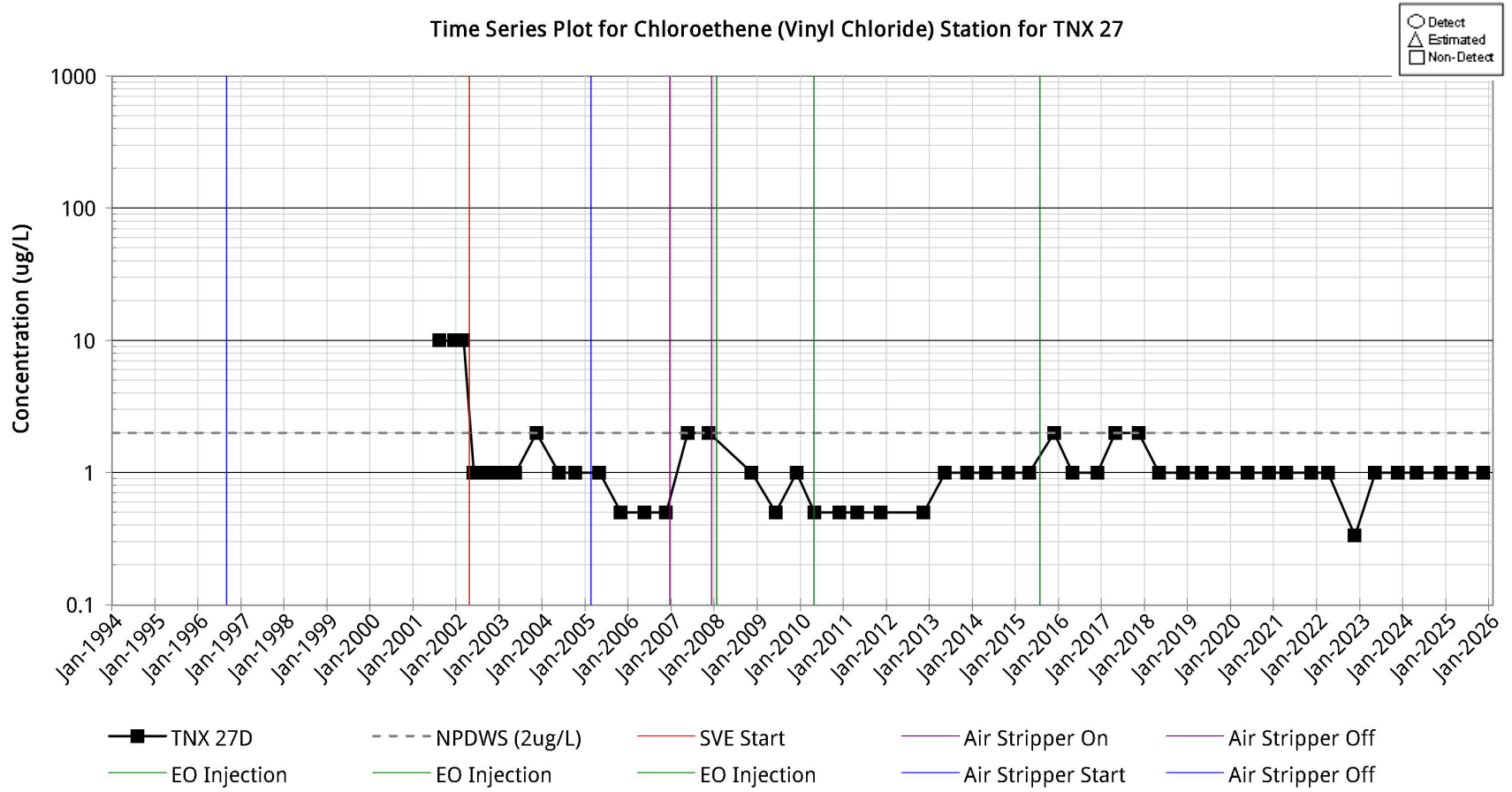
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 24D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 27
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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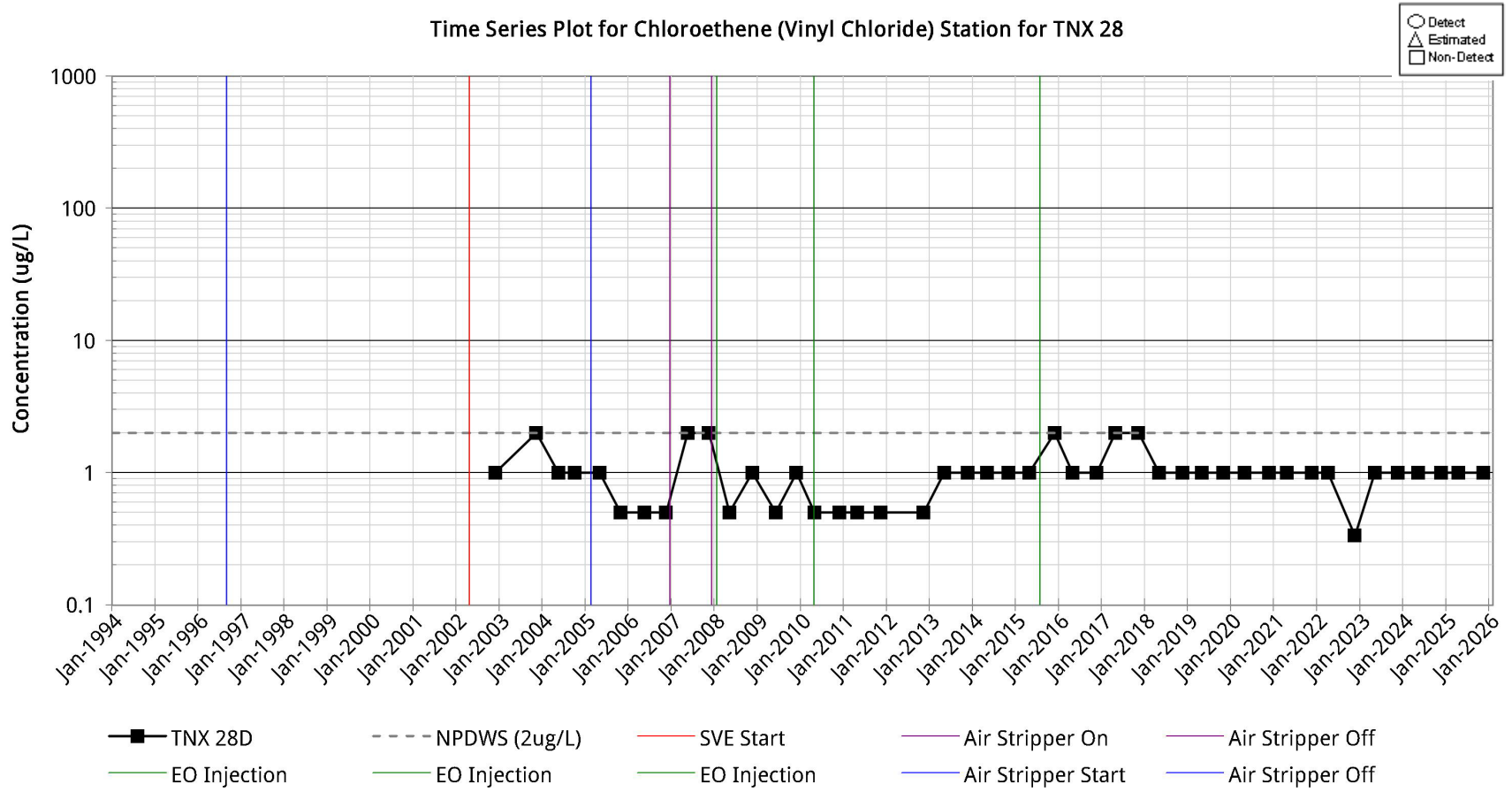
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 27D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 28
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2011
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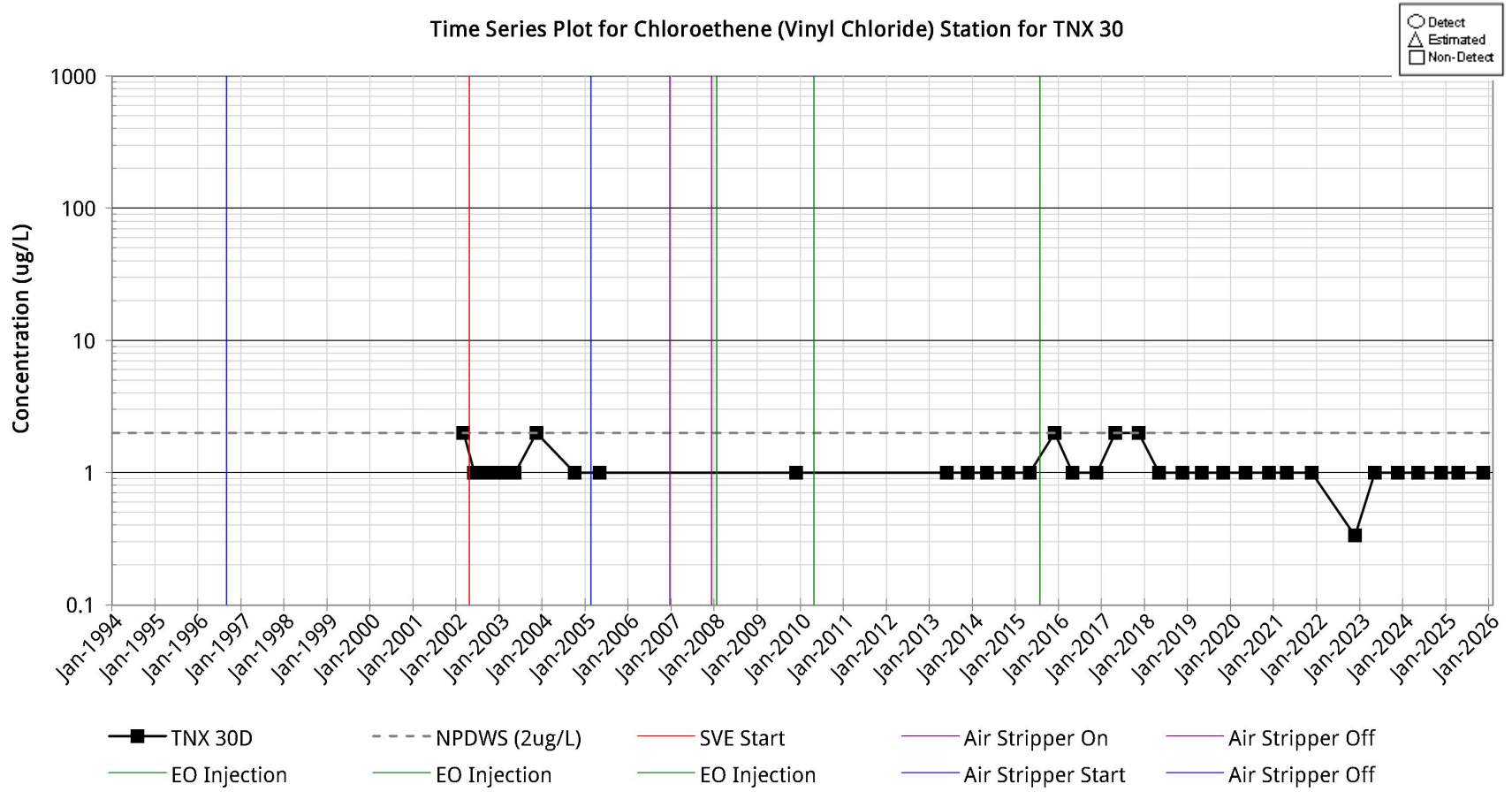
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 28D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 30
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2009
Jan-2010
Jan-2011
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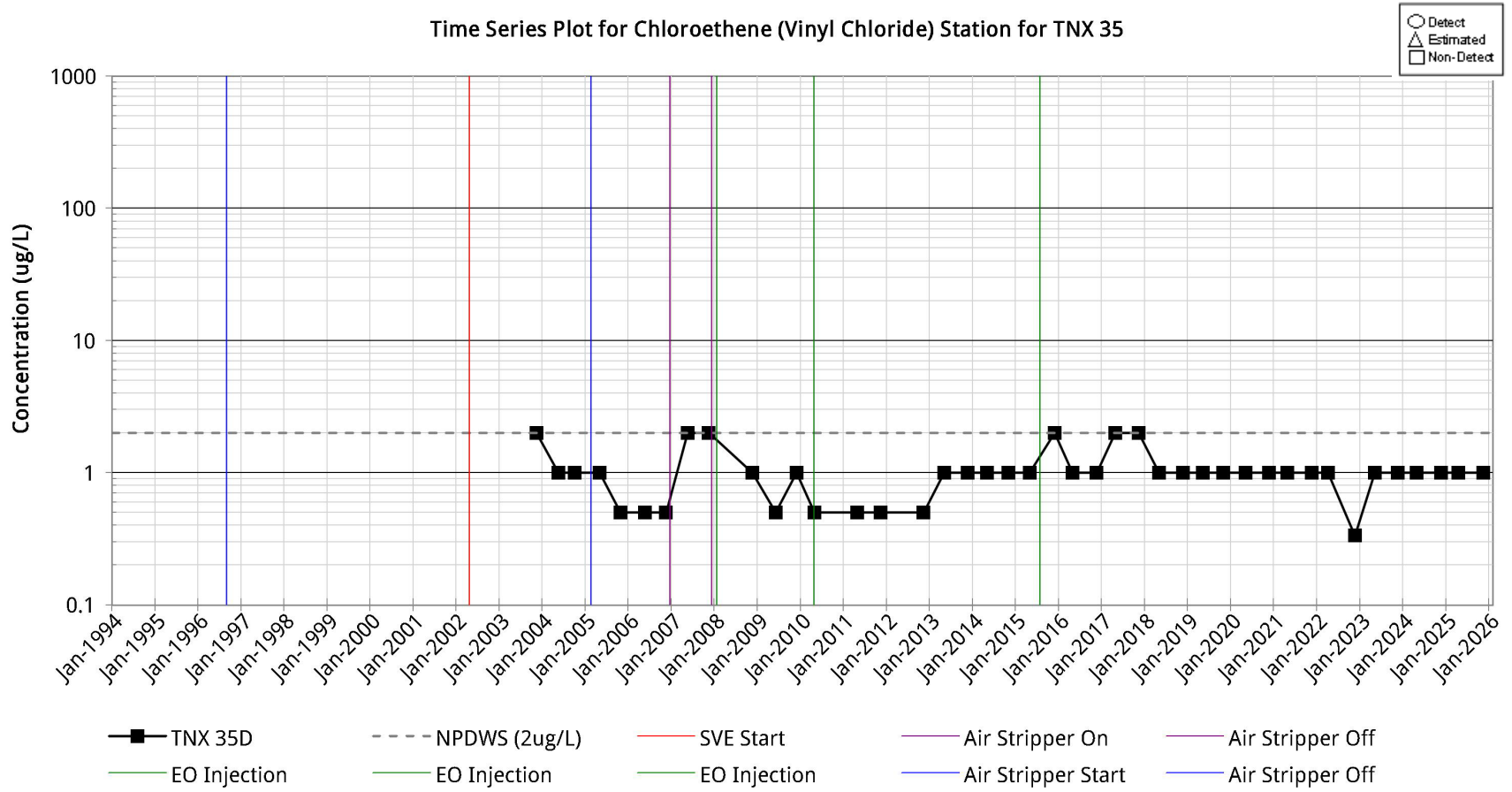
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 30D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 35
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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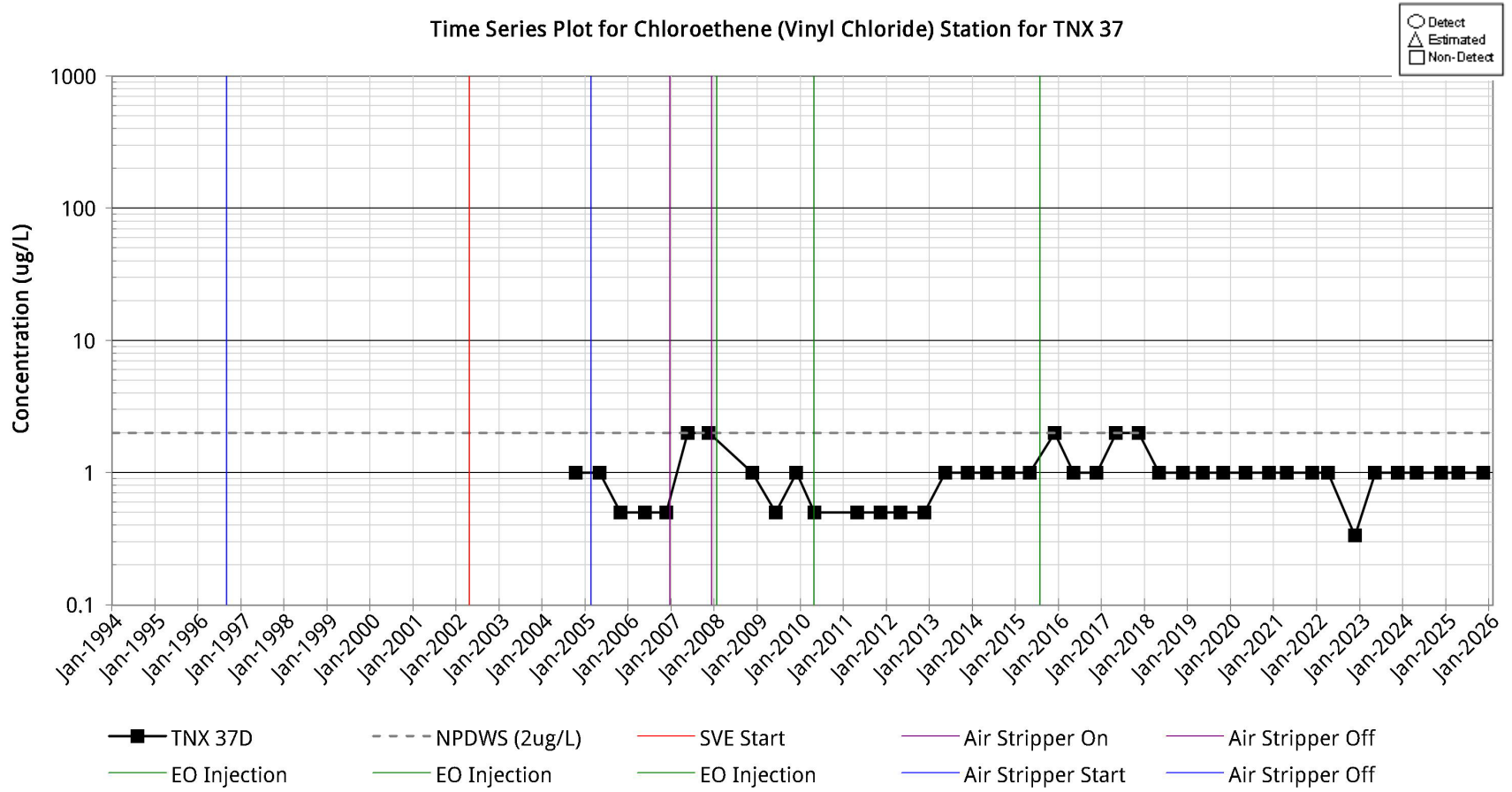
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 35D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 37
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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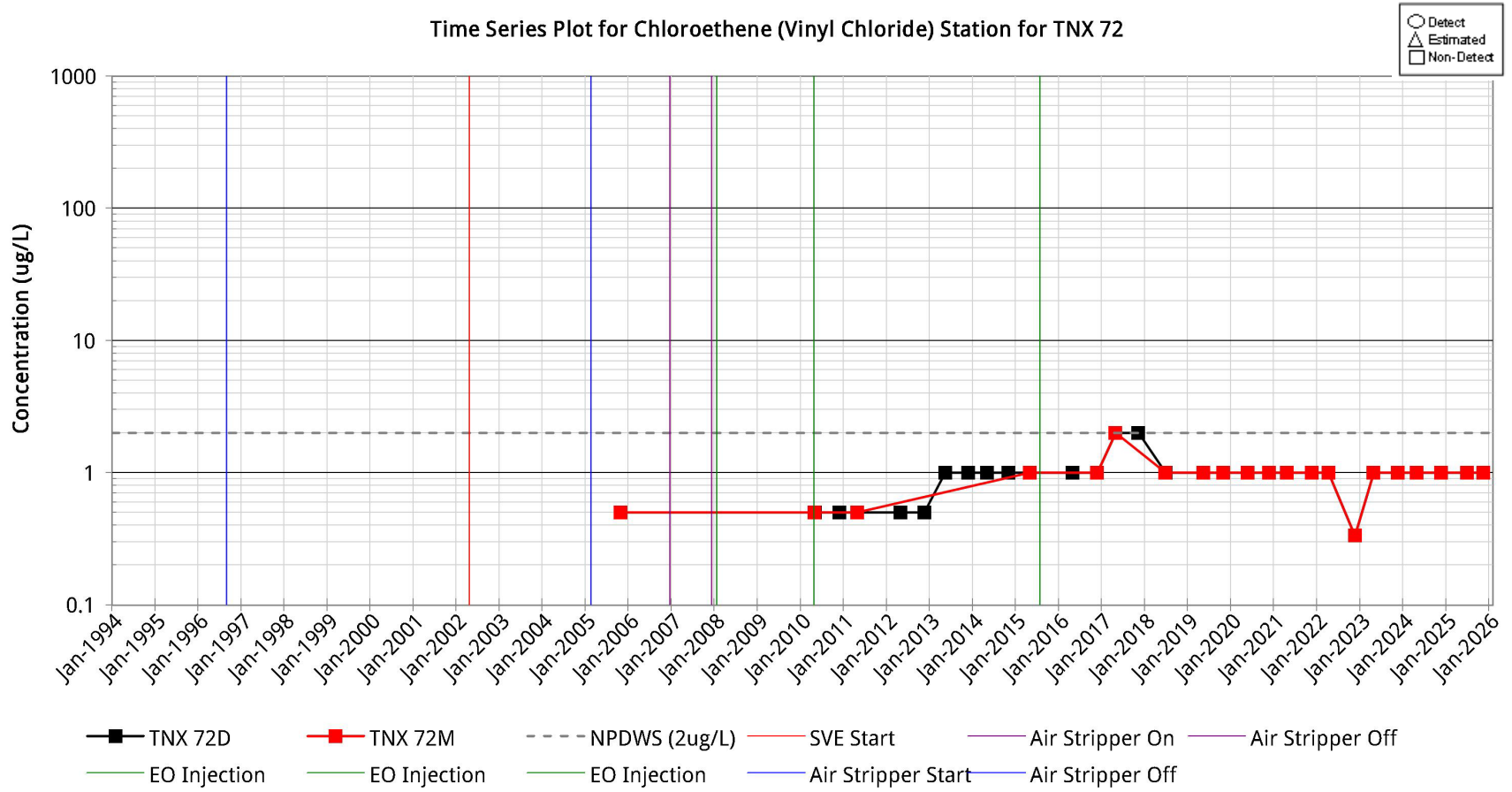
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 37D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX 72
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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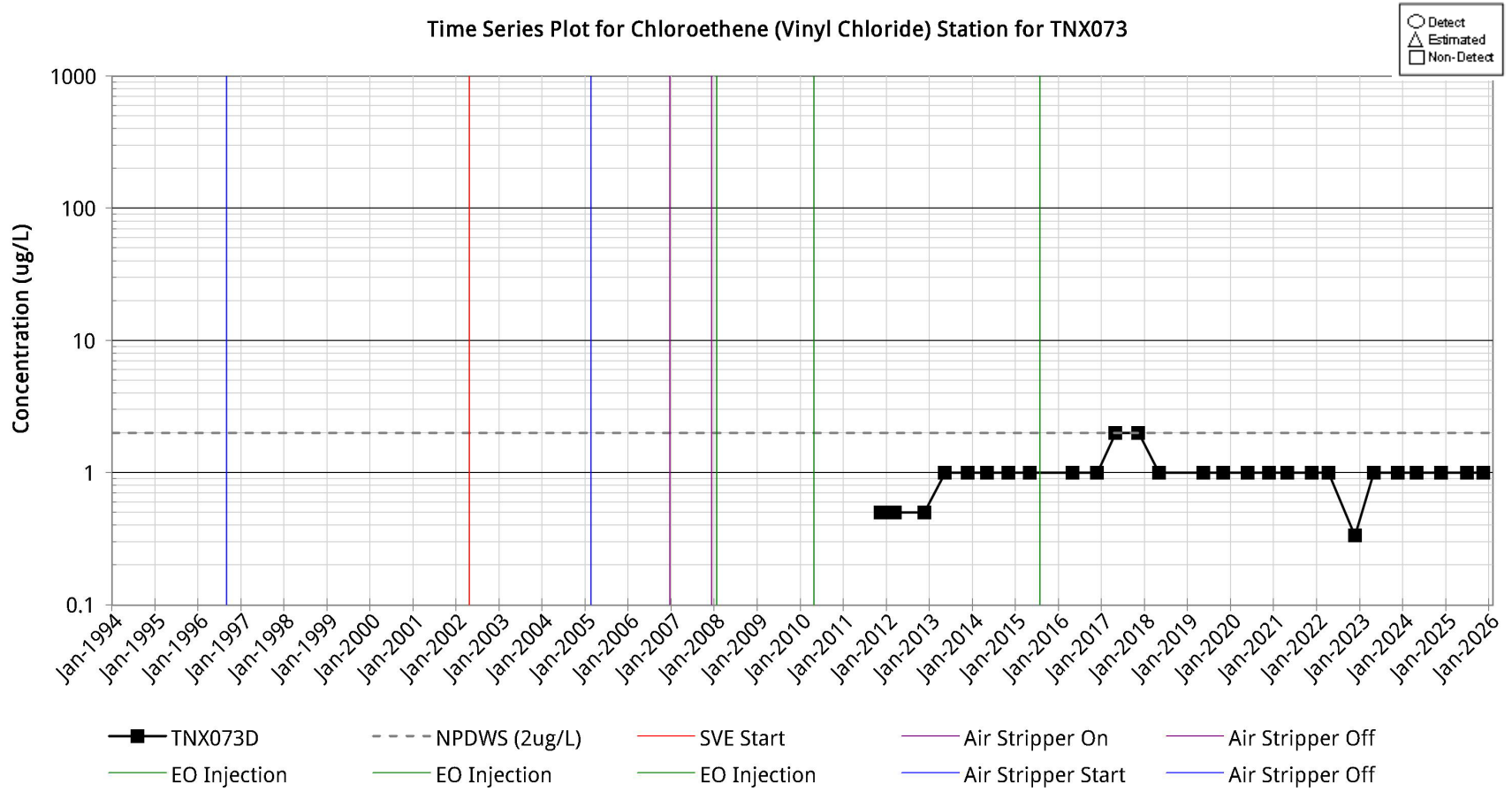
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 72D
TNX 72M
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX073
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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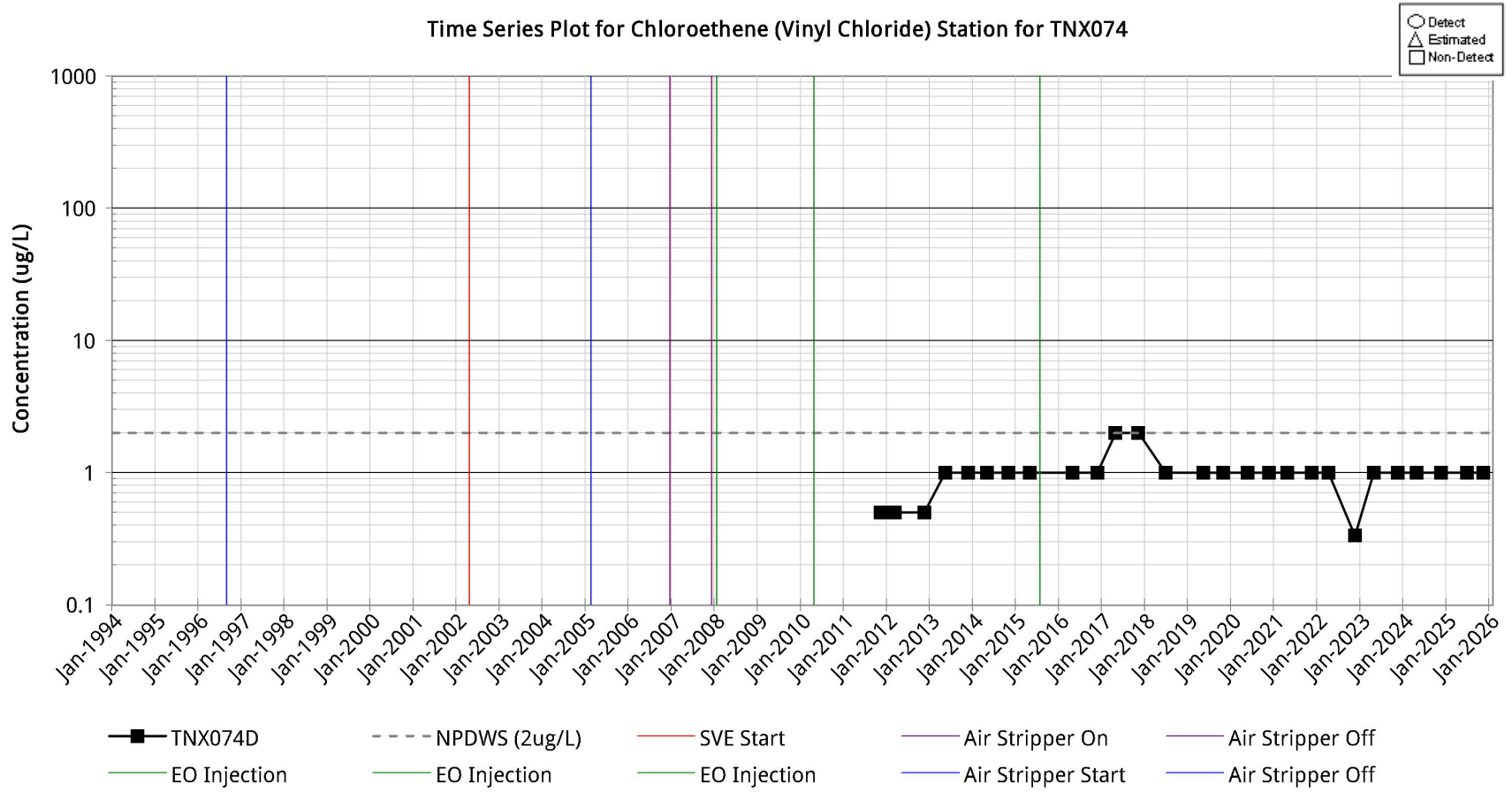
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX073D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX074
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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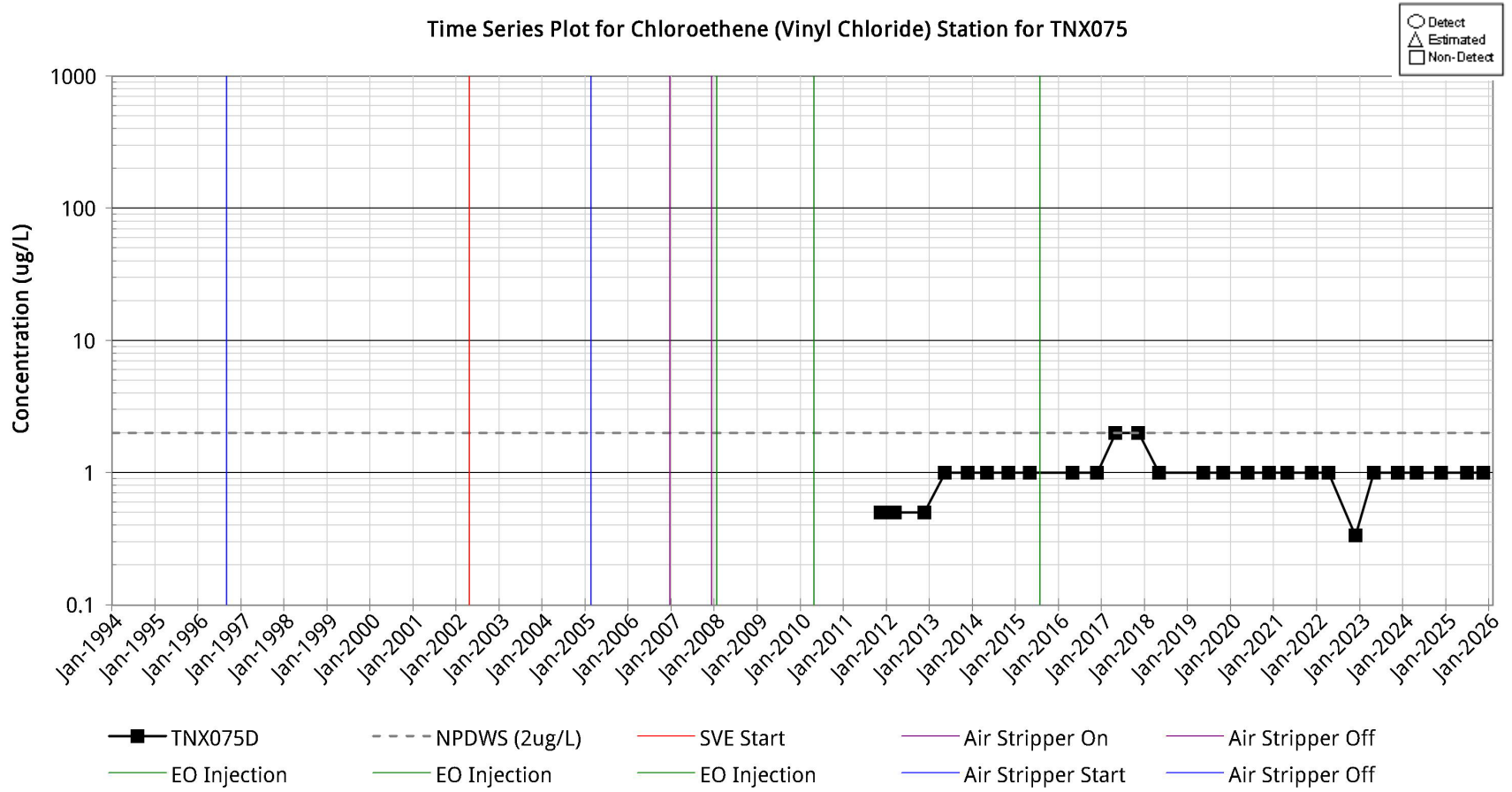
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX074D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX075
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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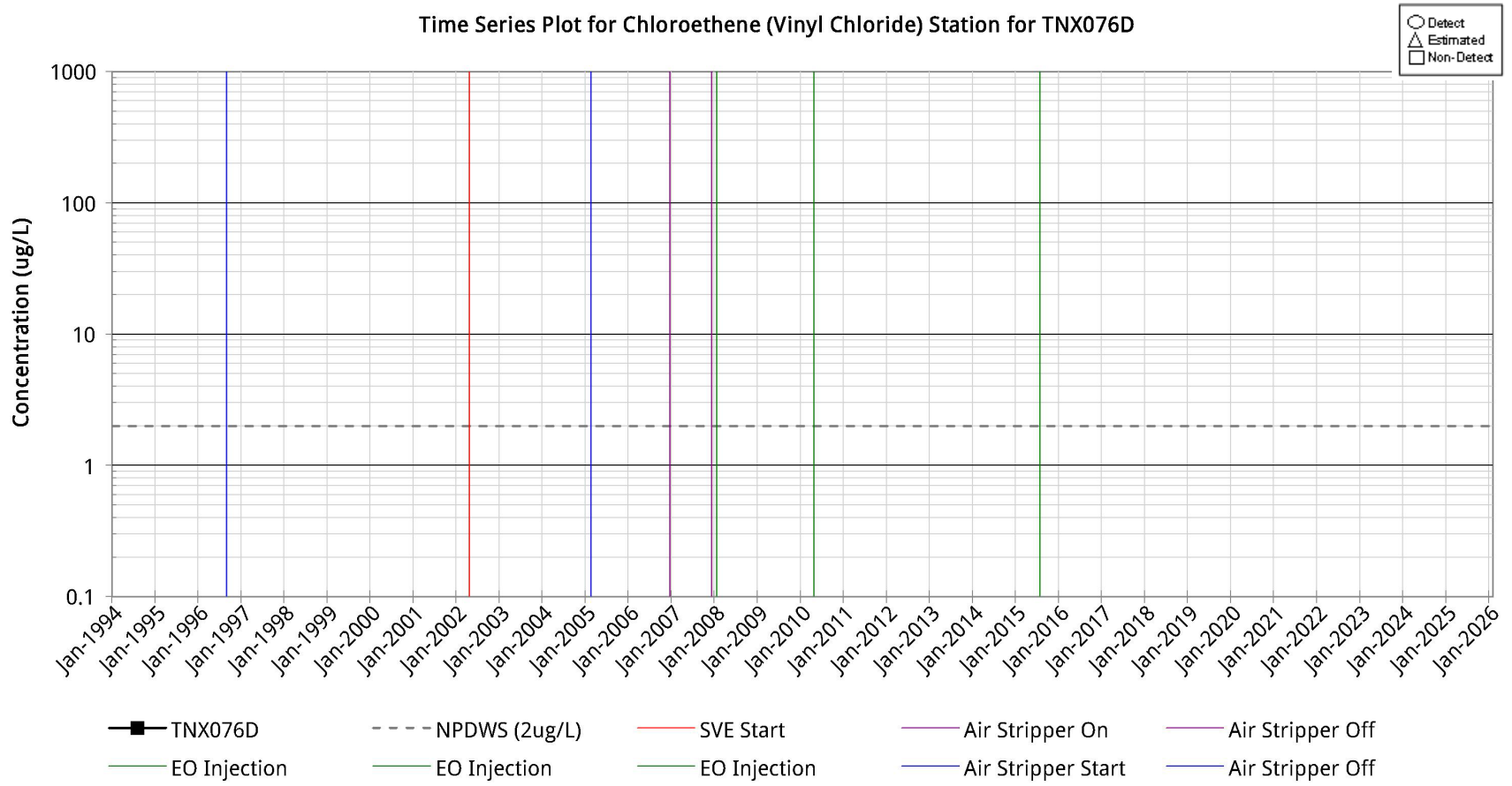
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX075D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TNX076D
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2010
Jan-2011
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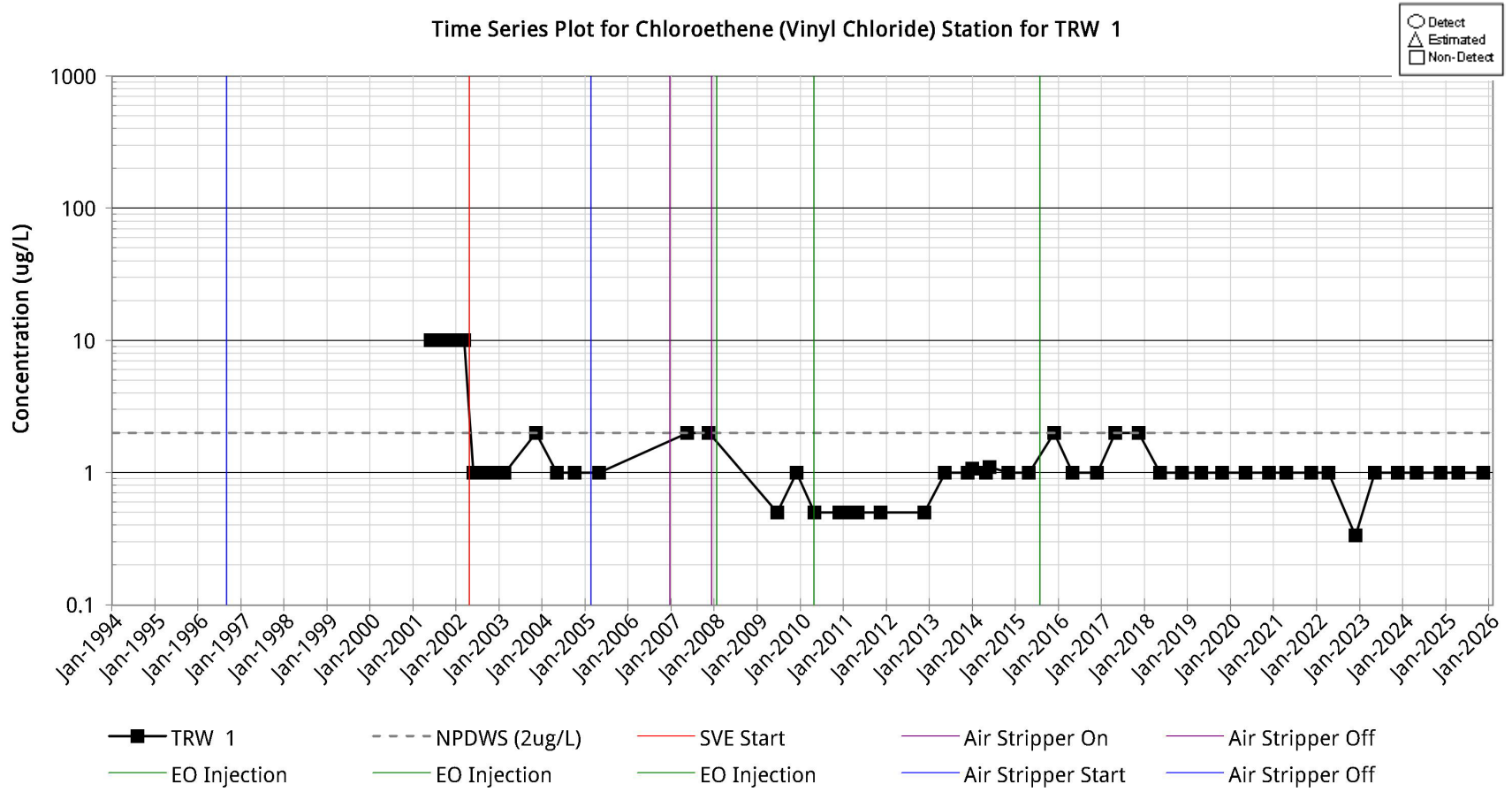
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX076D
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TRW 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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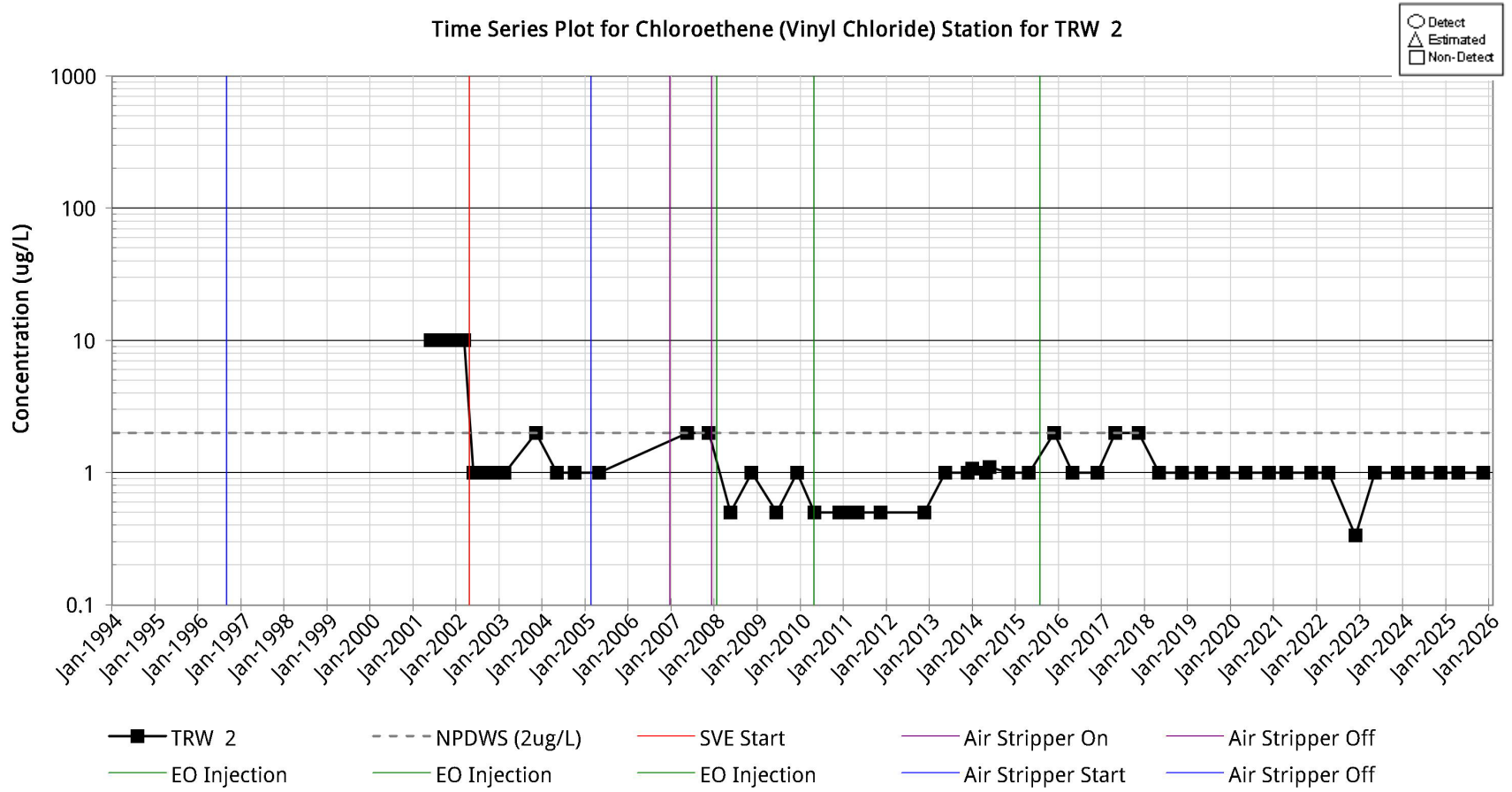
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 1
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TRW 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2010
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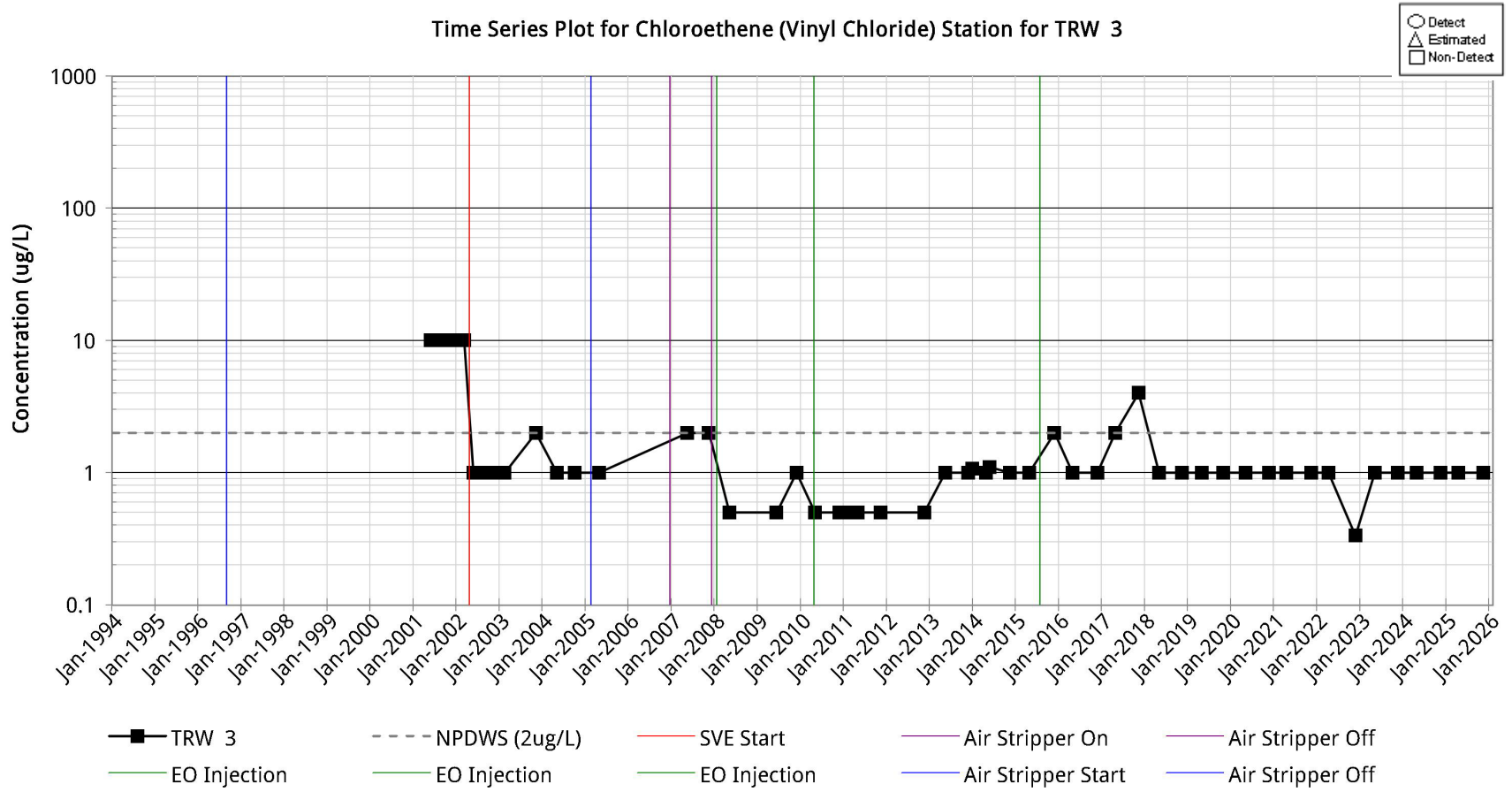
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 2
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TRW 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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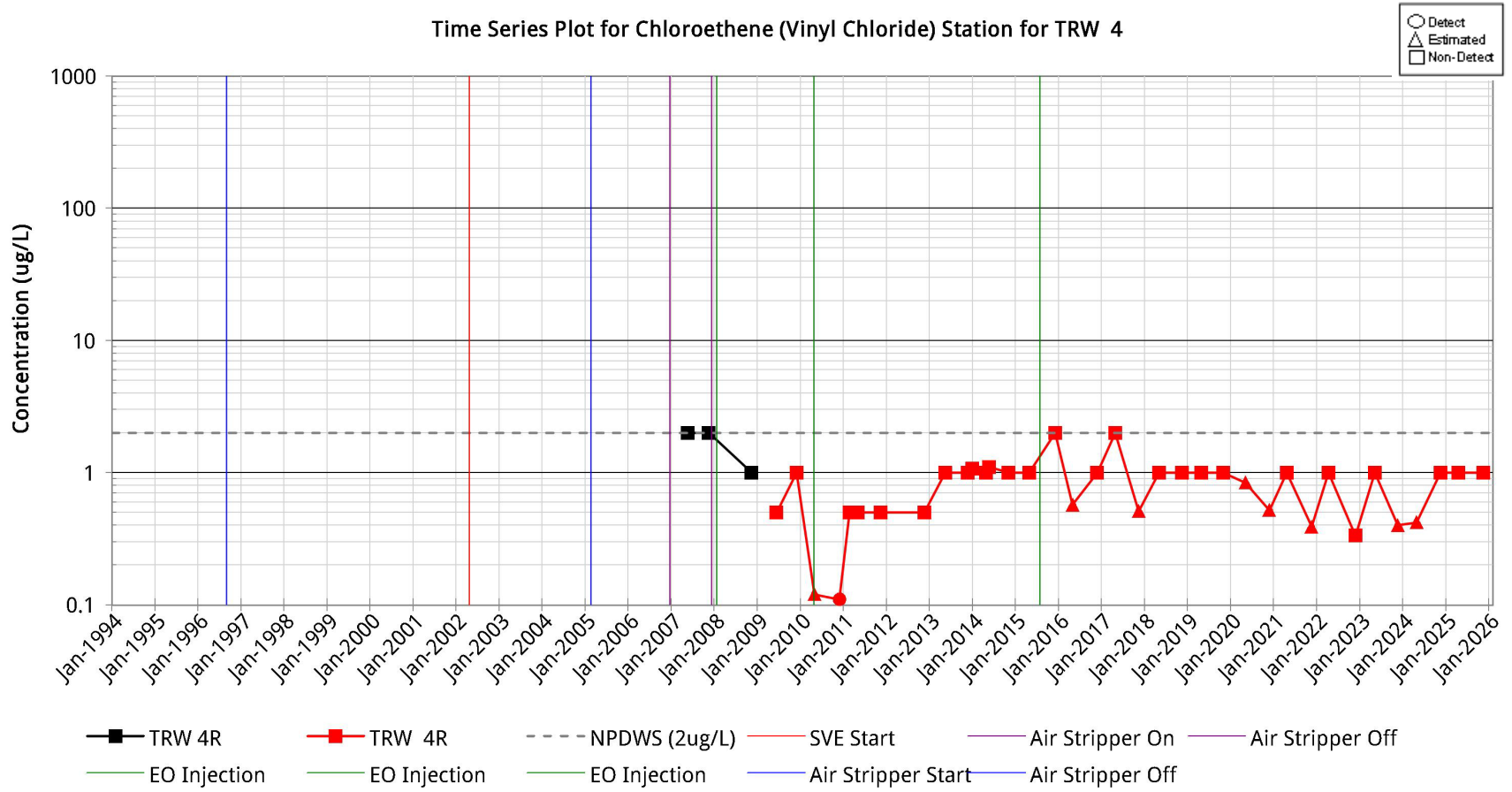
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 3
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TRW 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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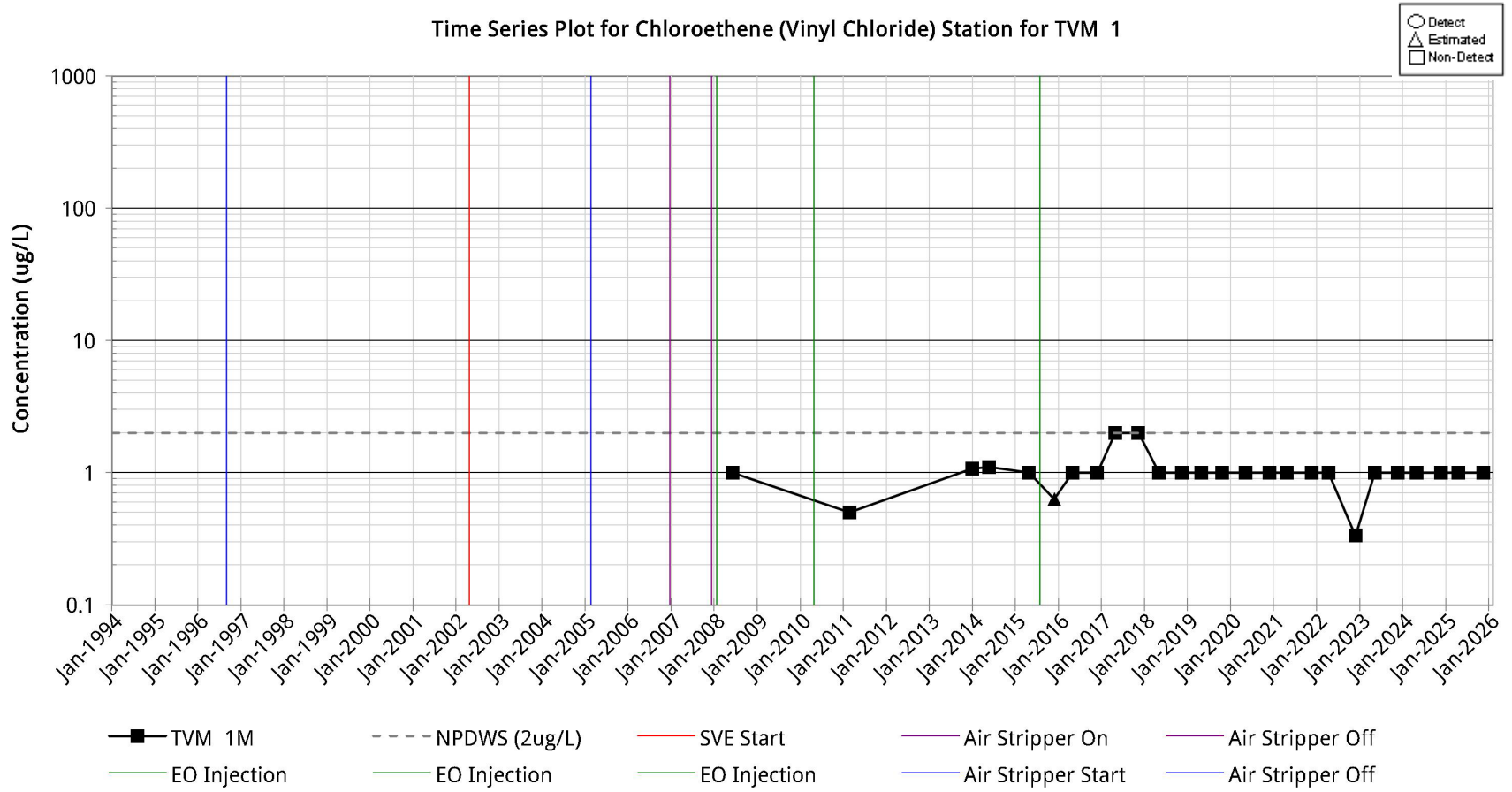
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 4R
TRW 4R
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TVM 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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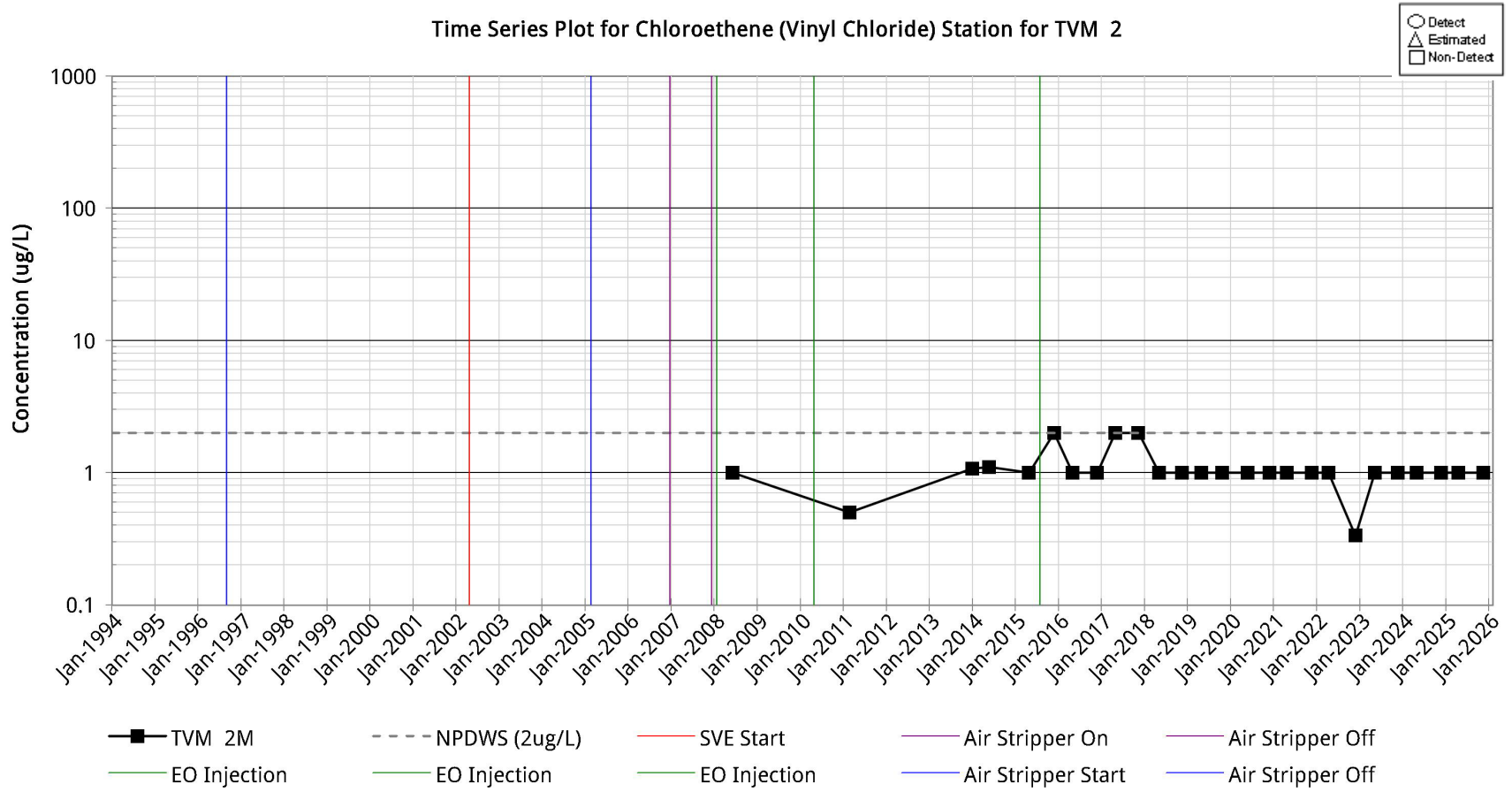
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 1M
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TVM 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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Jan-2006
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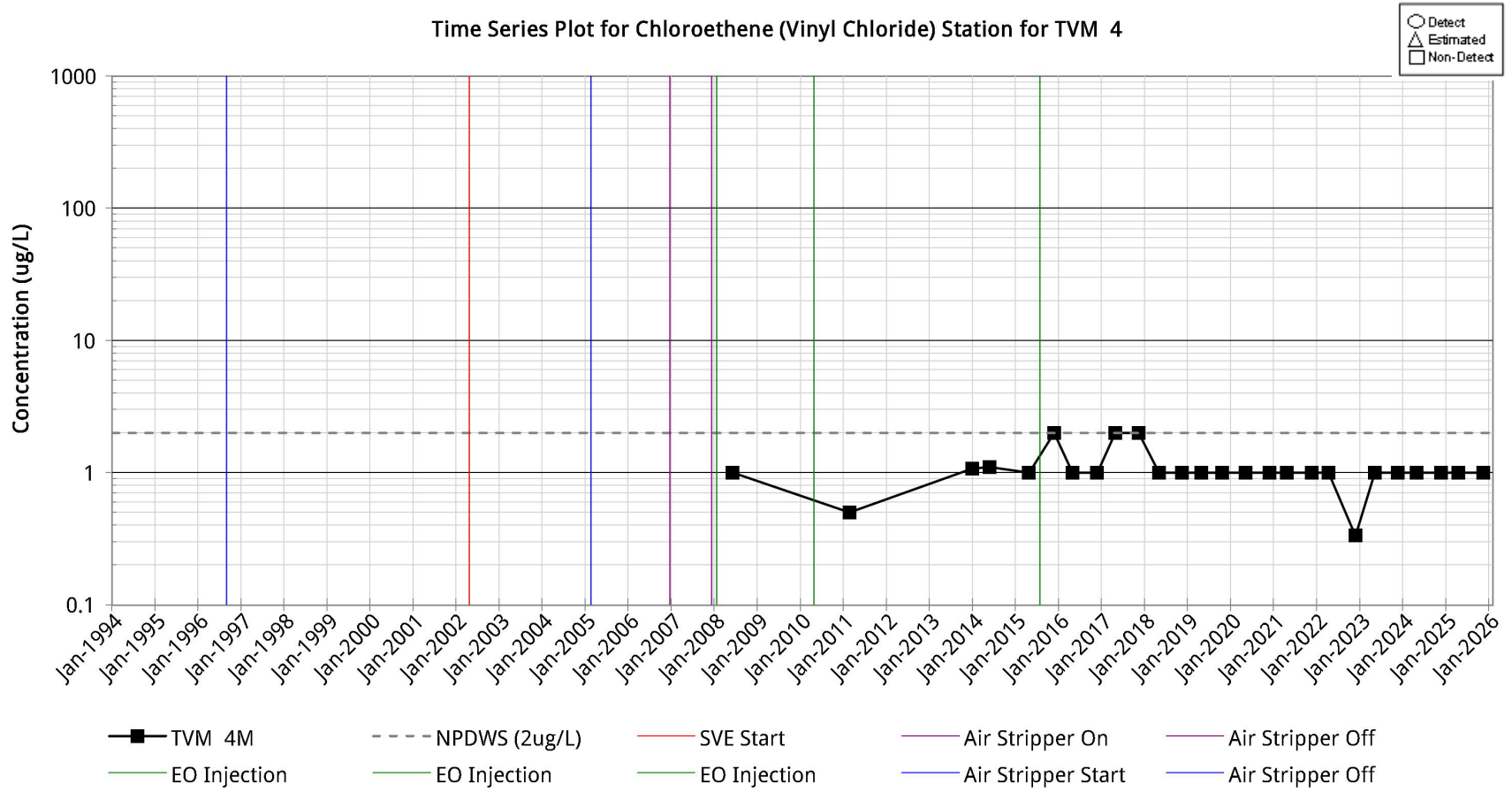
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 2M
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TVM 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
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Jan-2002
Jan-2003
Jan-2004
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Jan-2006
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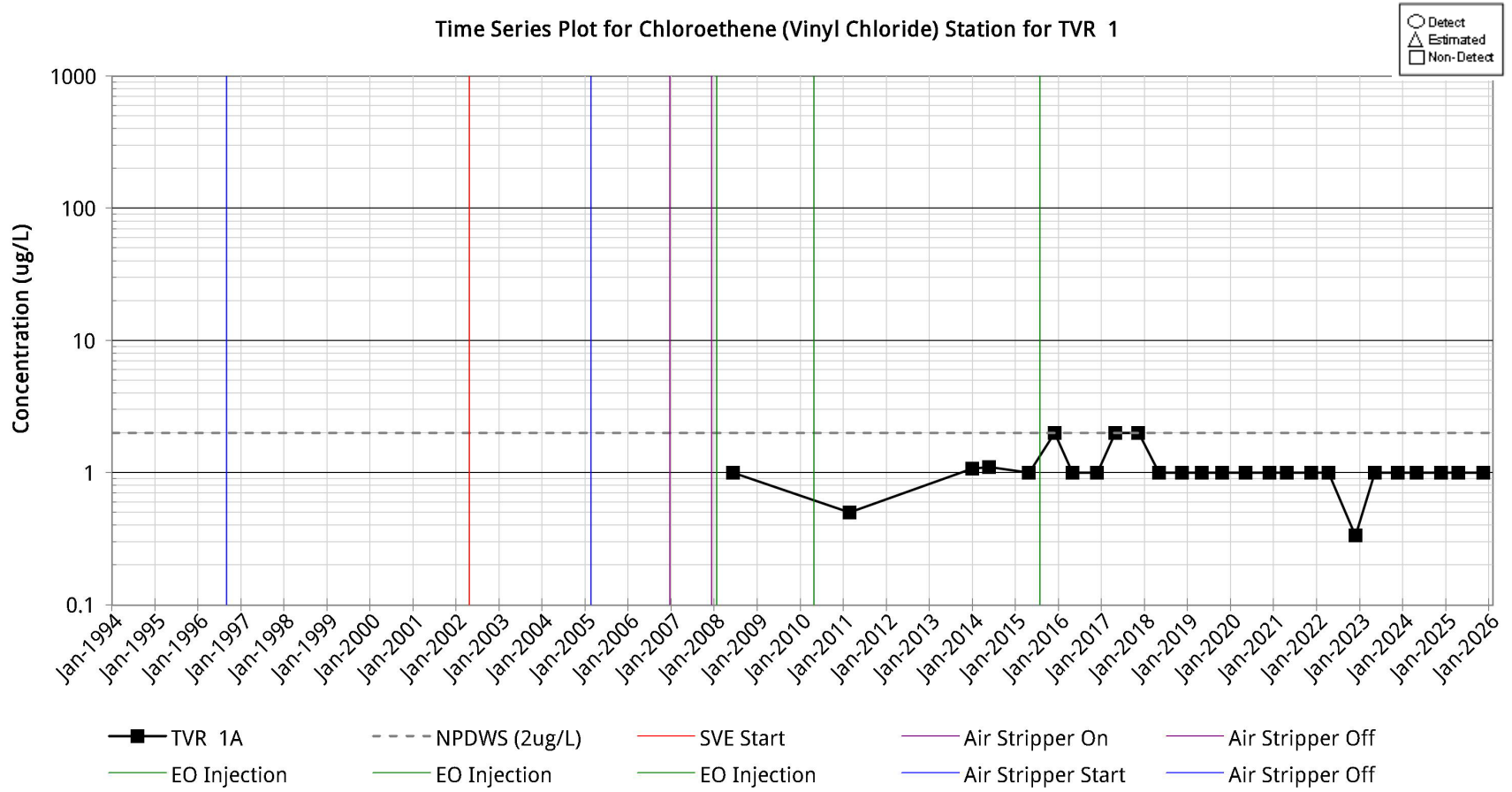
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 4M
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for TVR 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
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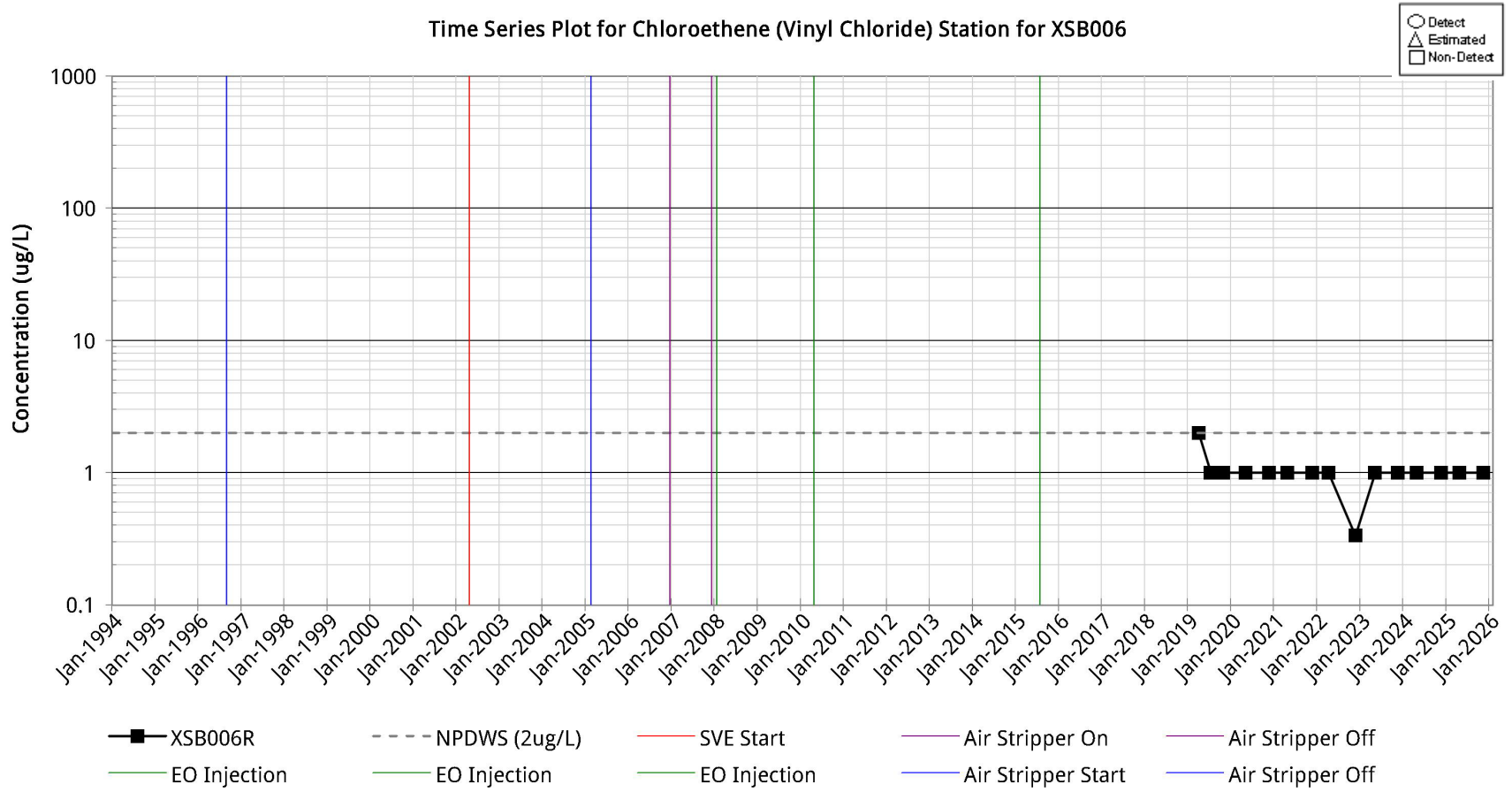
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVR 1A
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Chloroethene (Vinyl Chloride) Station for XSB006
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
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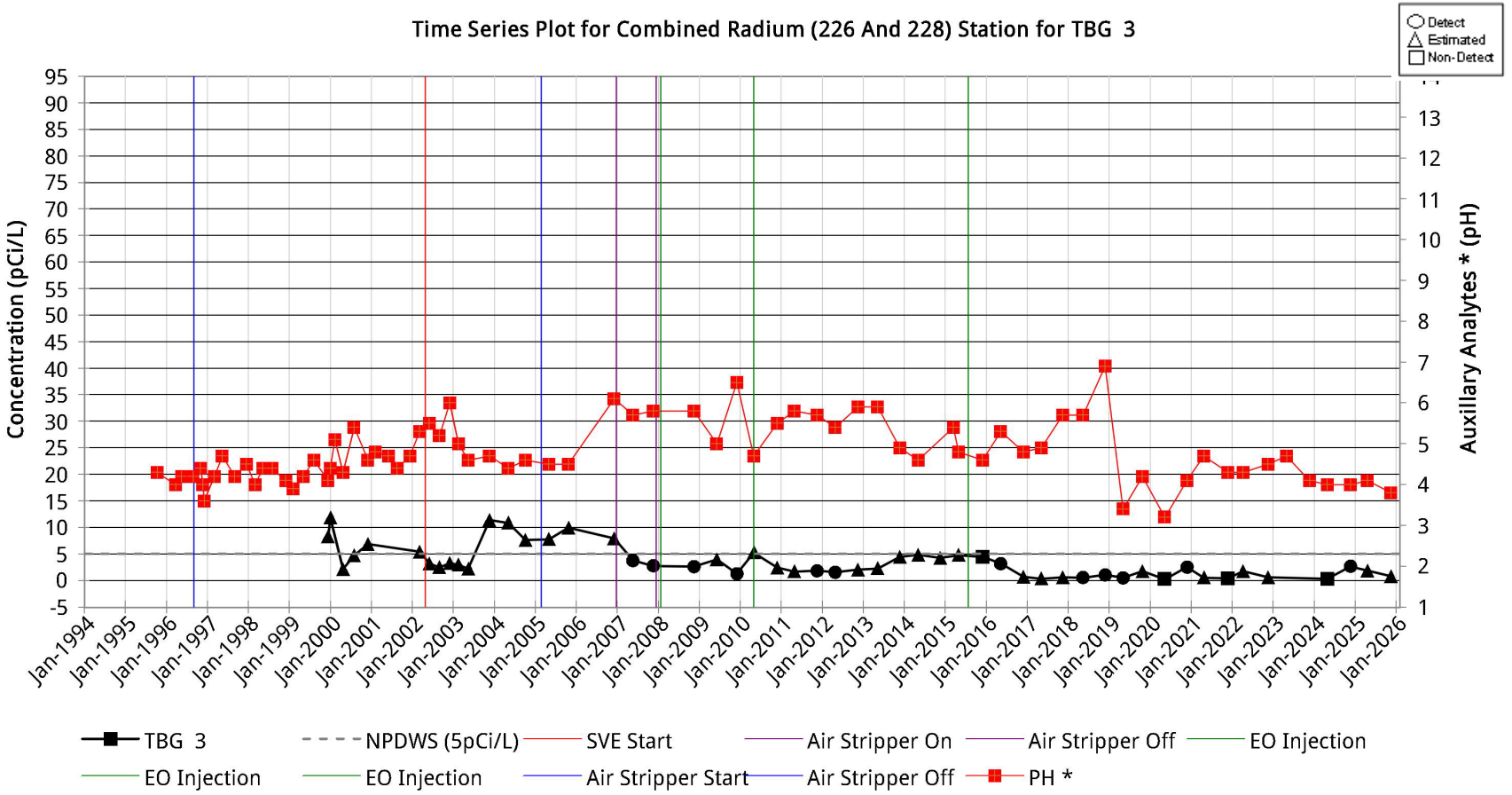
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
XSB006R
NPDWS (2ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Combined Radium (226 And 228) Station for TBG 3
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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Jan-2011
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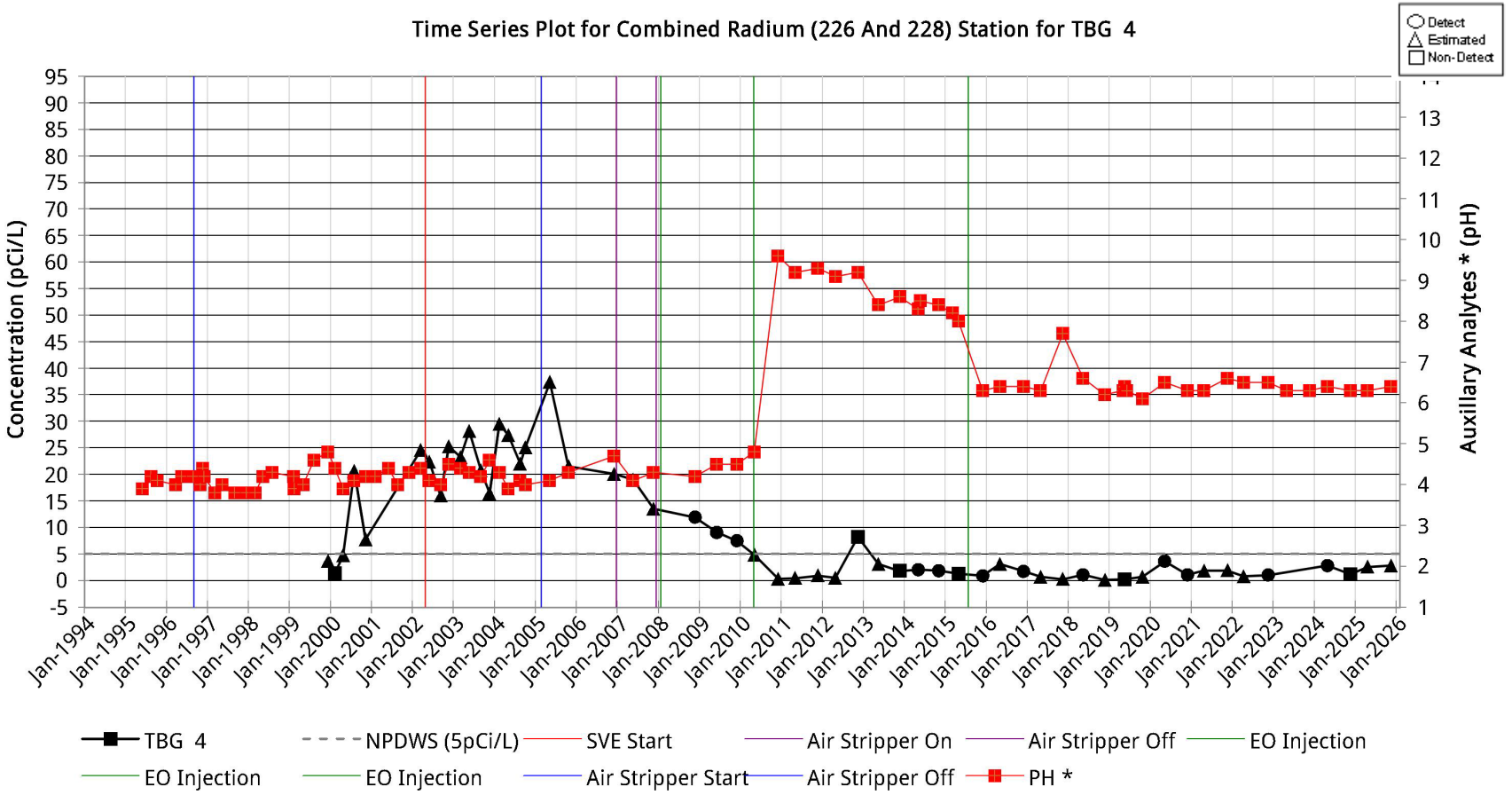
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 3
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TBG 4
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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Jan-2011
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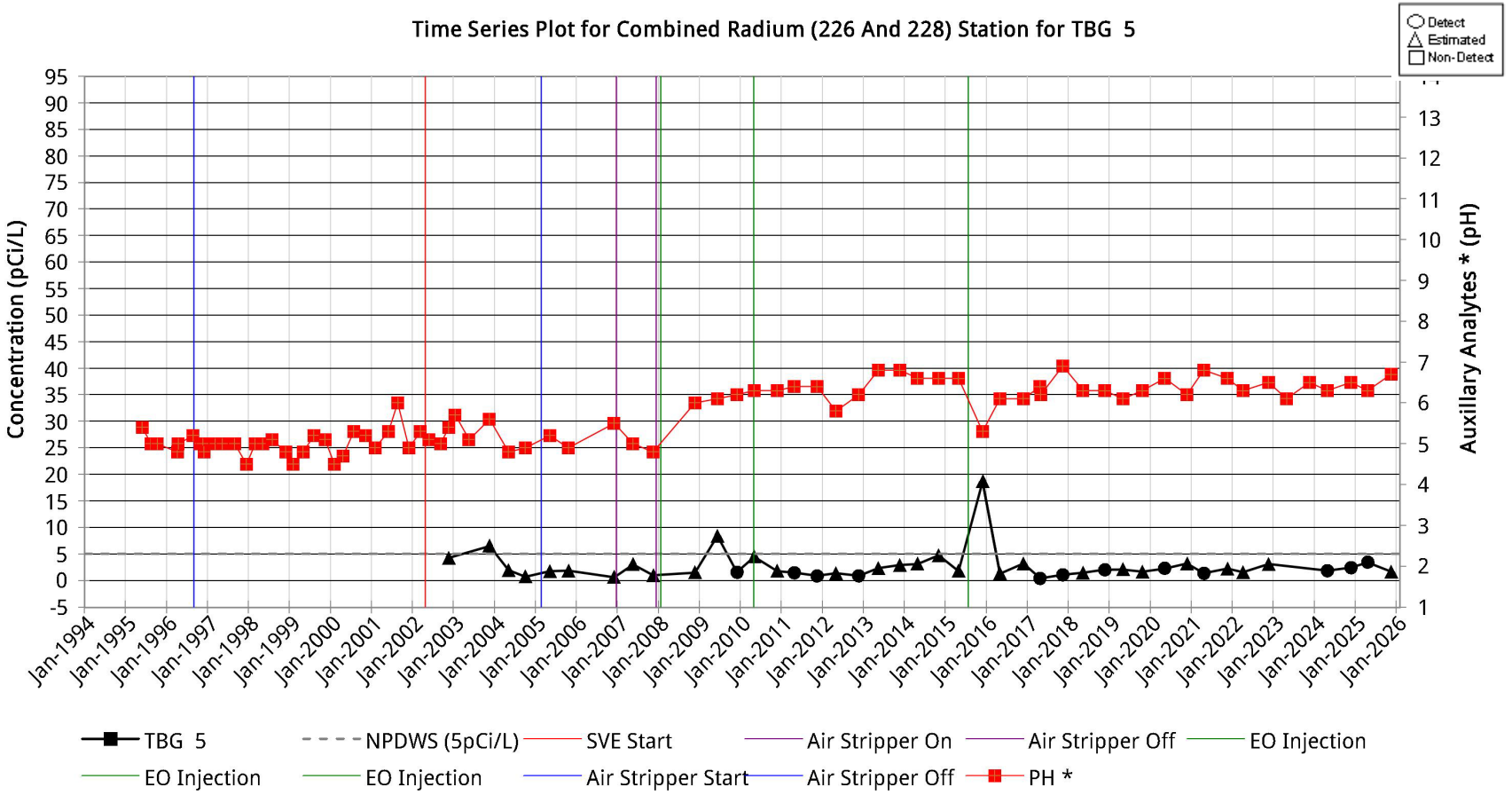
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 4
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TBG 5
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
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5
4
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2
1
Jan-1994
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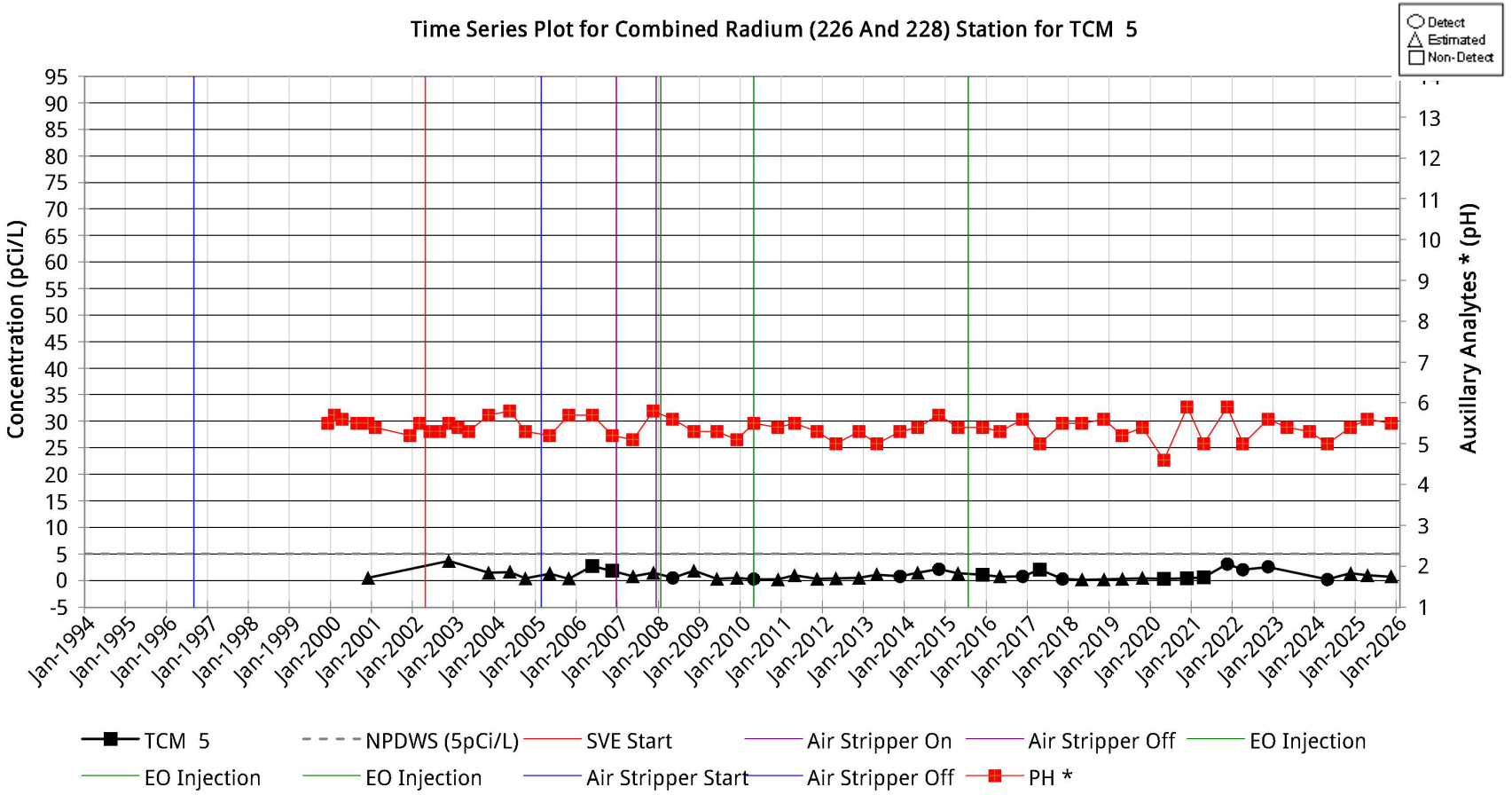
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 5
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TCM 5
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
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Jan-1994
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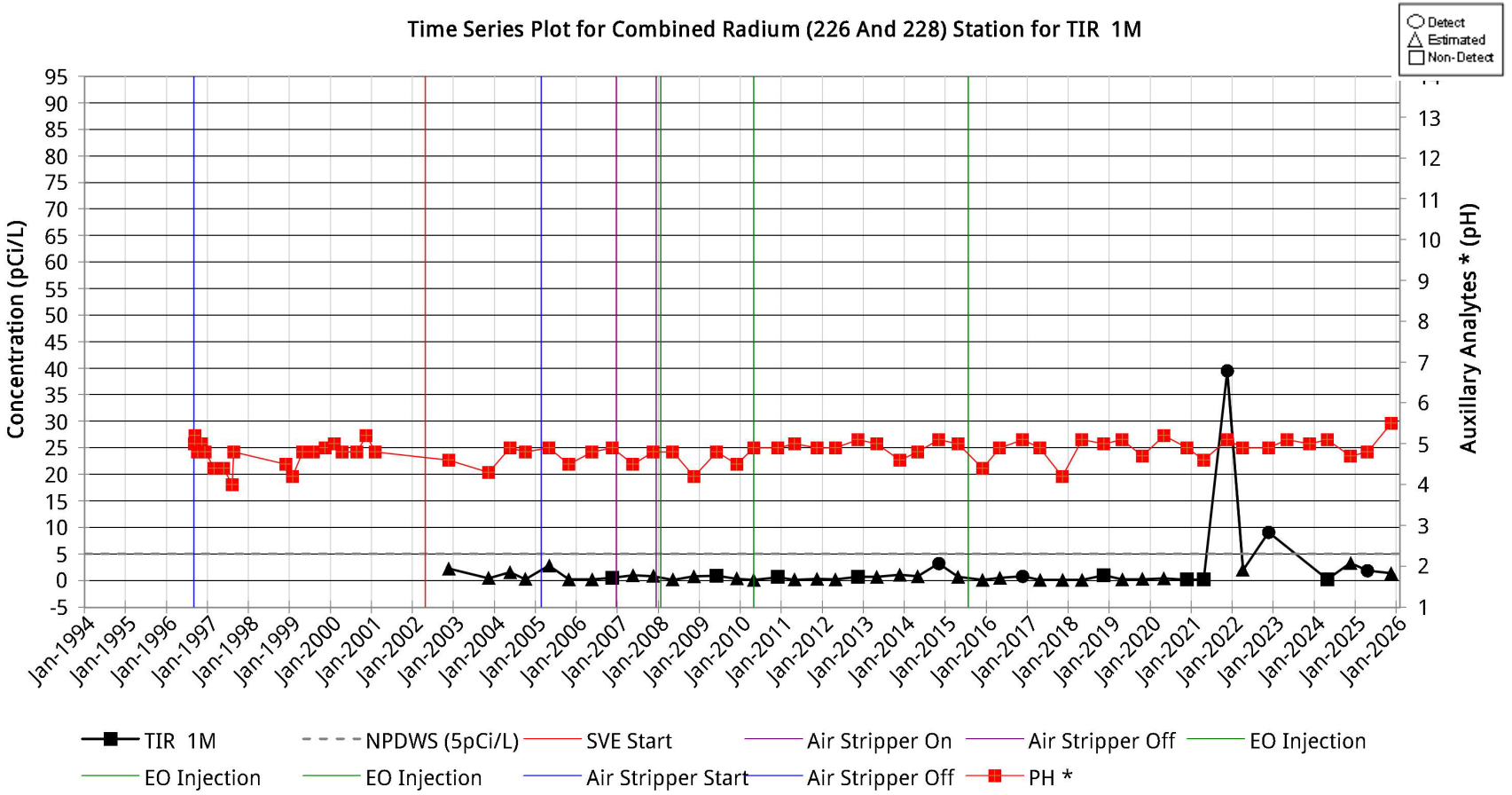
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TCM 5
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TIR 1M
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
12
11
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7
6
5
4
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Jan-1994
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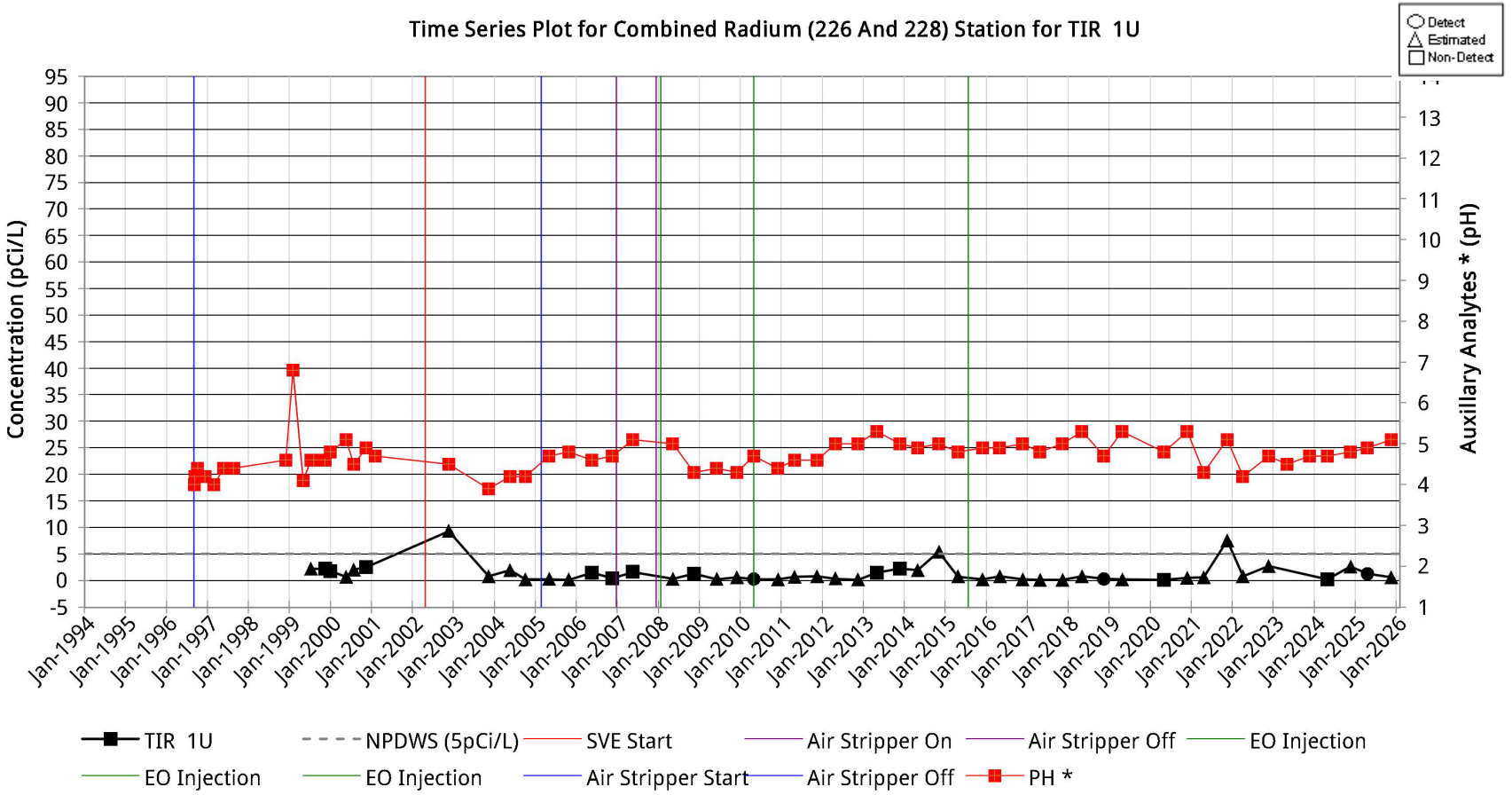
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TIR 1M
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TIR 1U
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
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Jan-1994
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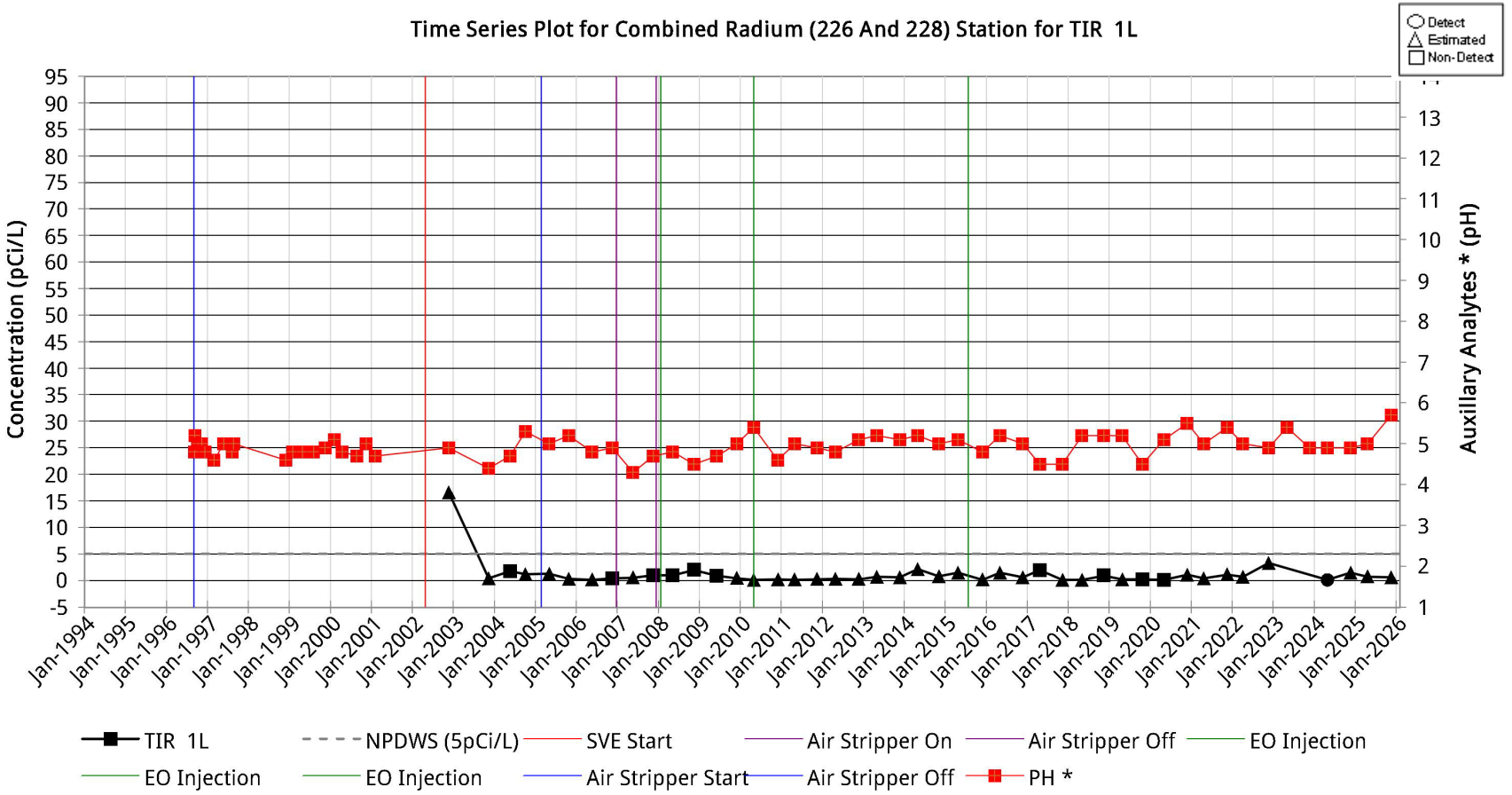
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TIR 1U
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TIR 1L
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
12
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4
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Jan-1994
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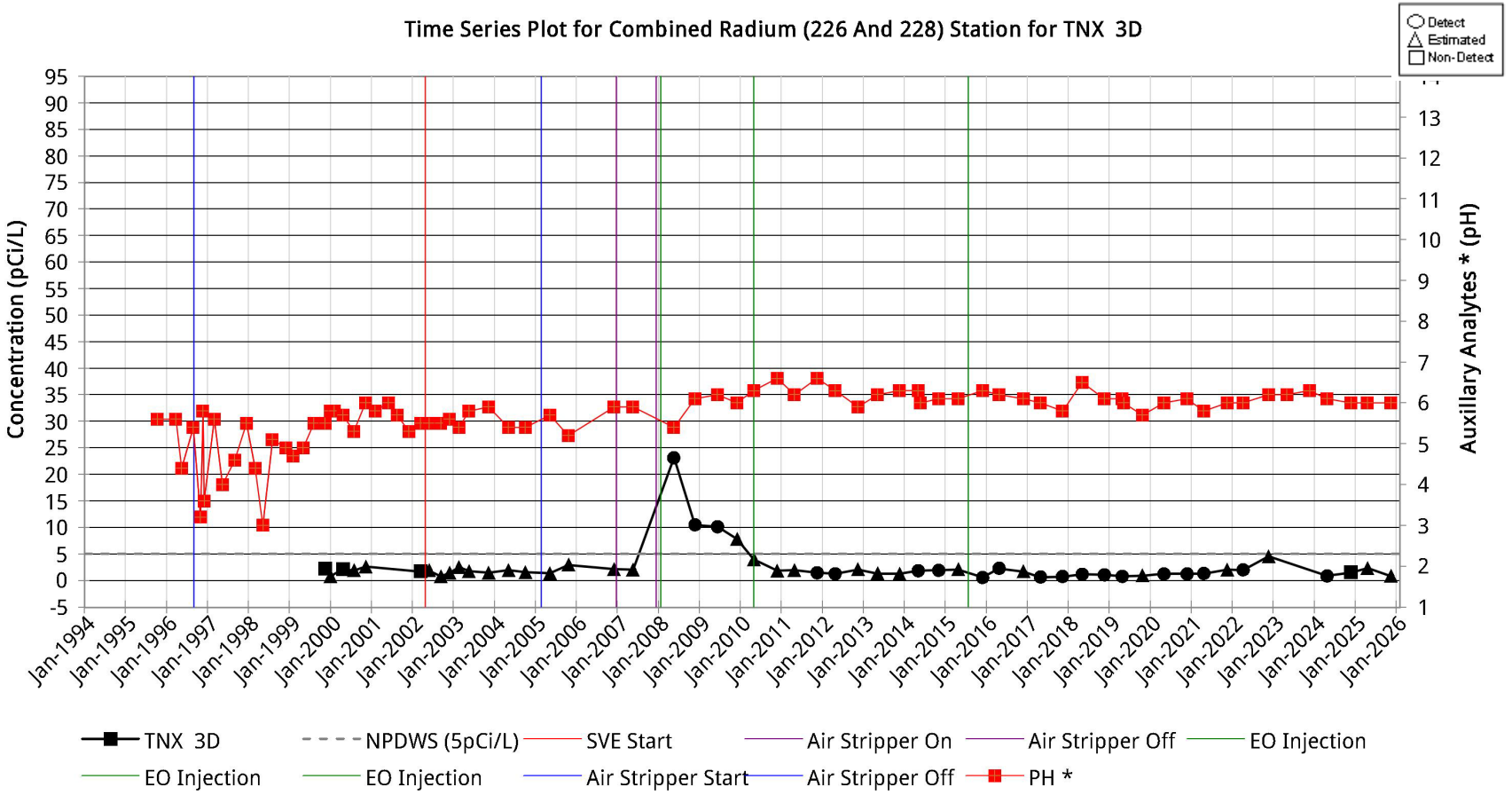
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TIR 1L
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TNX 3D
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
12
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9
8
7
6
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Jan-1994
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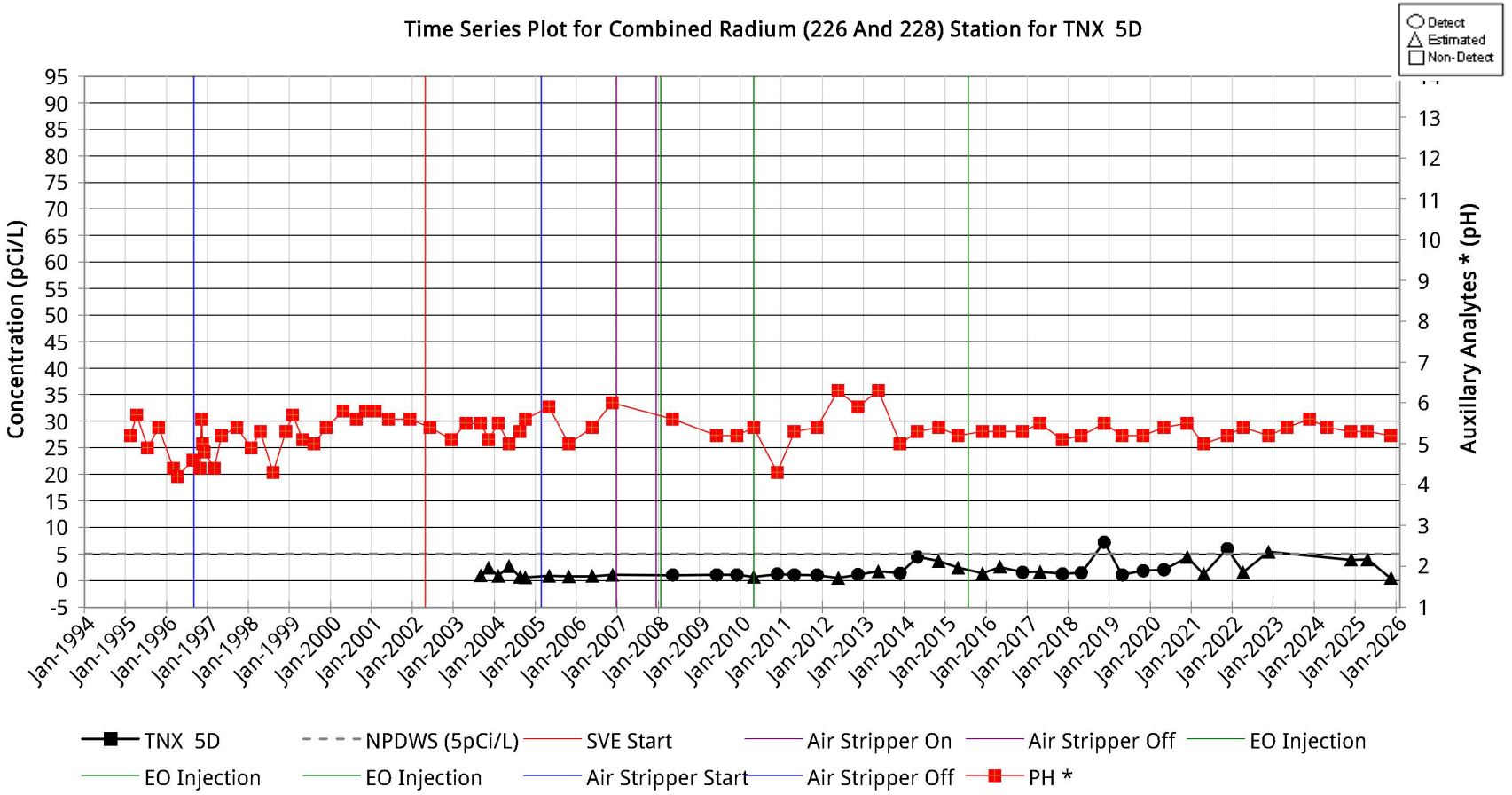
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 3D
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TNX 5D
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
12
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10
9
8
7
6
5
4
3
2
1
Jan-1994
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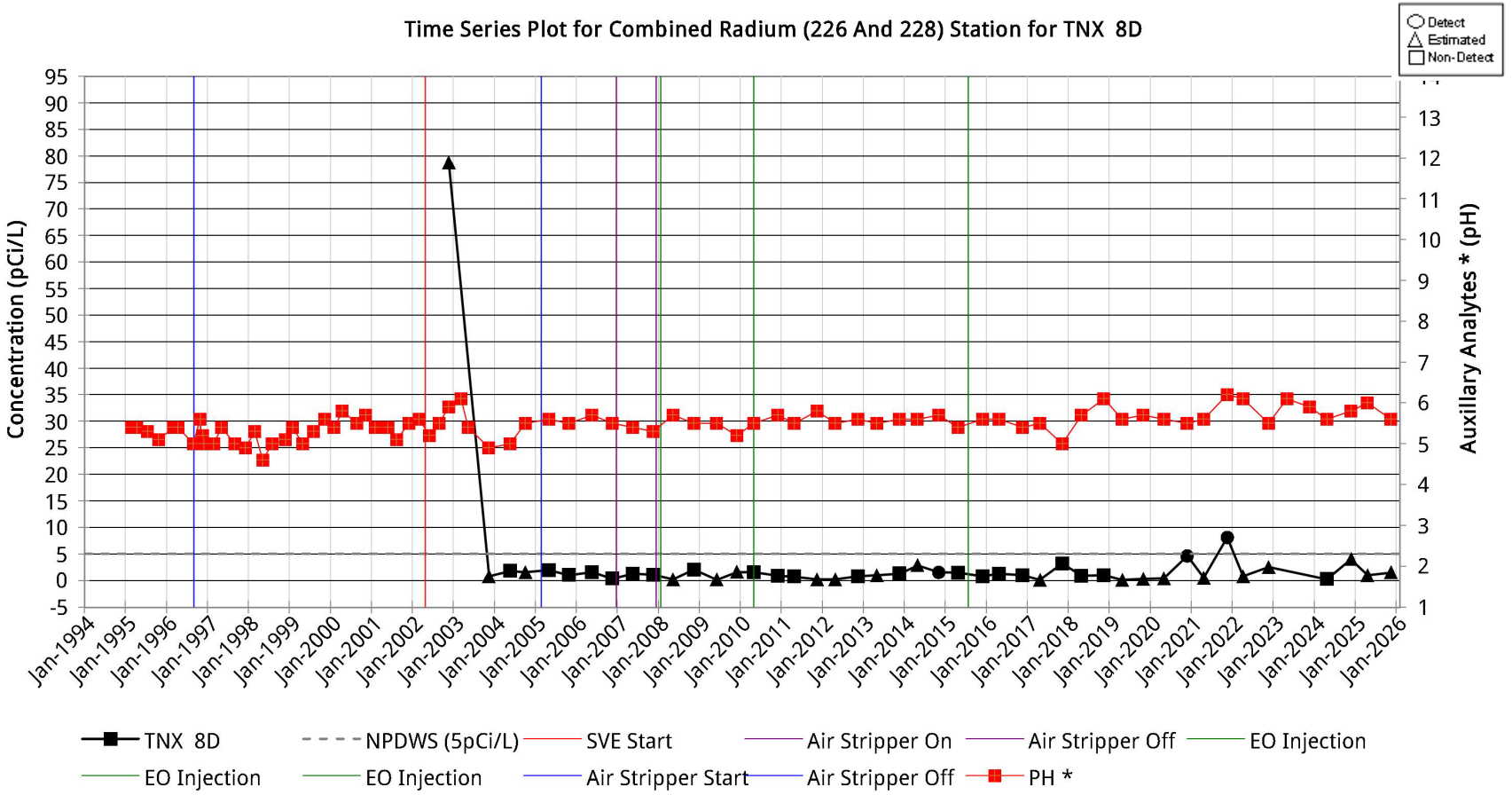
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 5D
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TNX 8D
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
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Jan-1994
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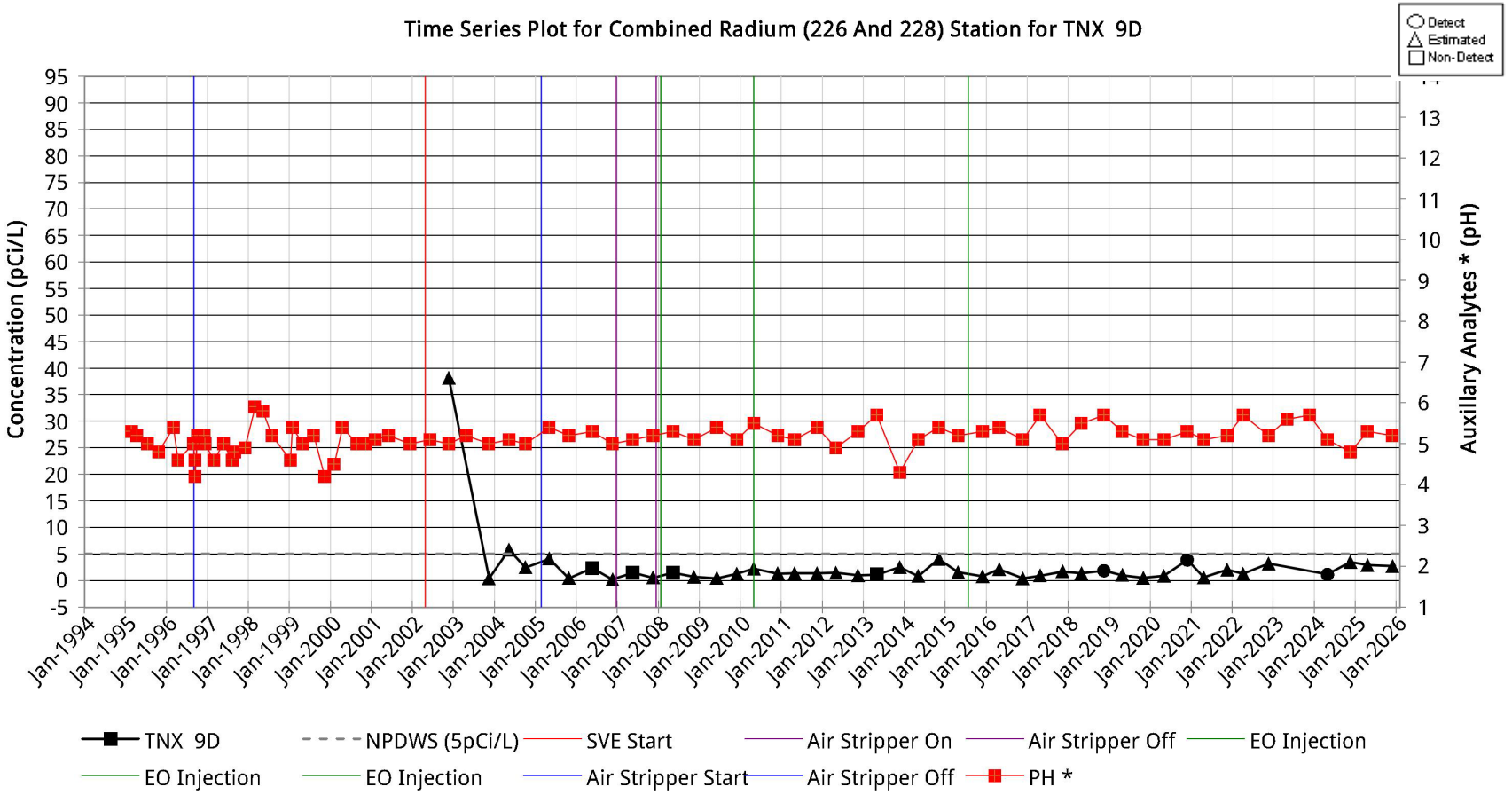
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 8D
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TNX 9D
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
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12
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6
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Jan-1994
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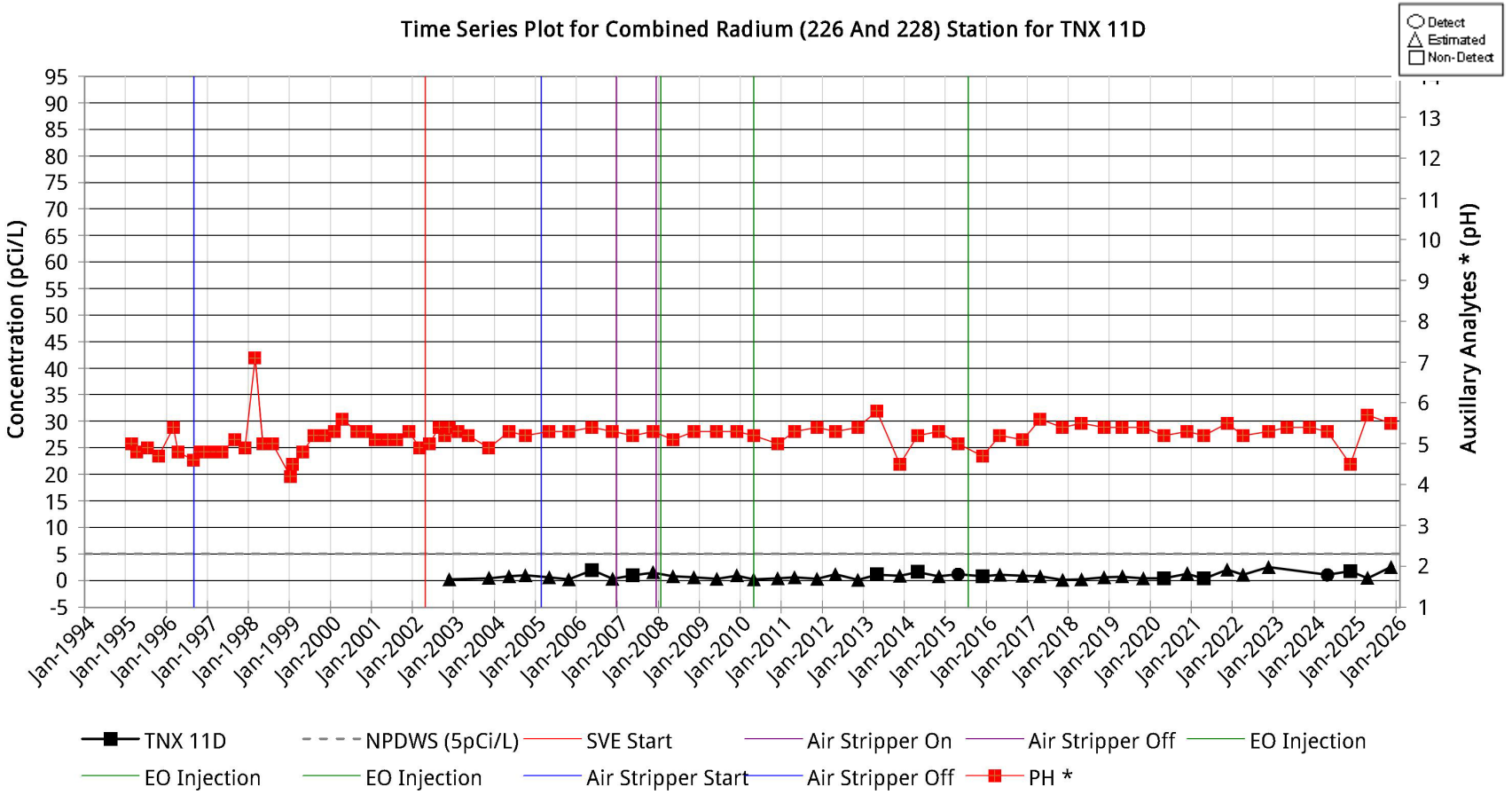
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 9D
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TNX 11D
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
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12
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6
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3
2
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Jan-1994
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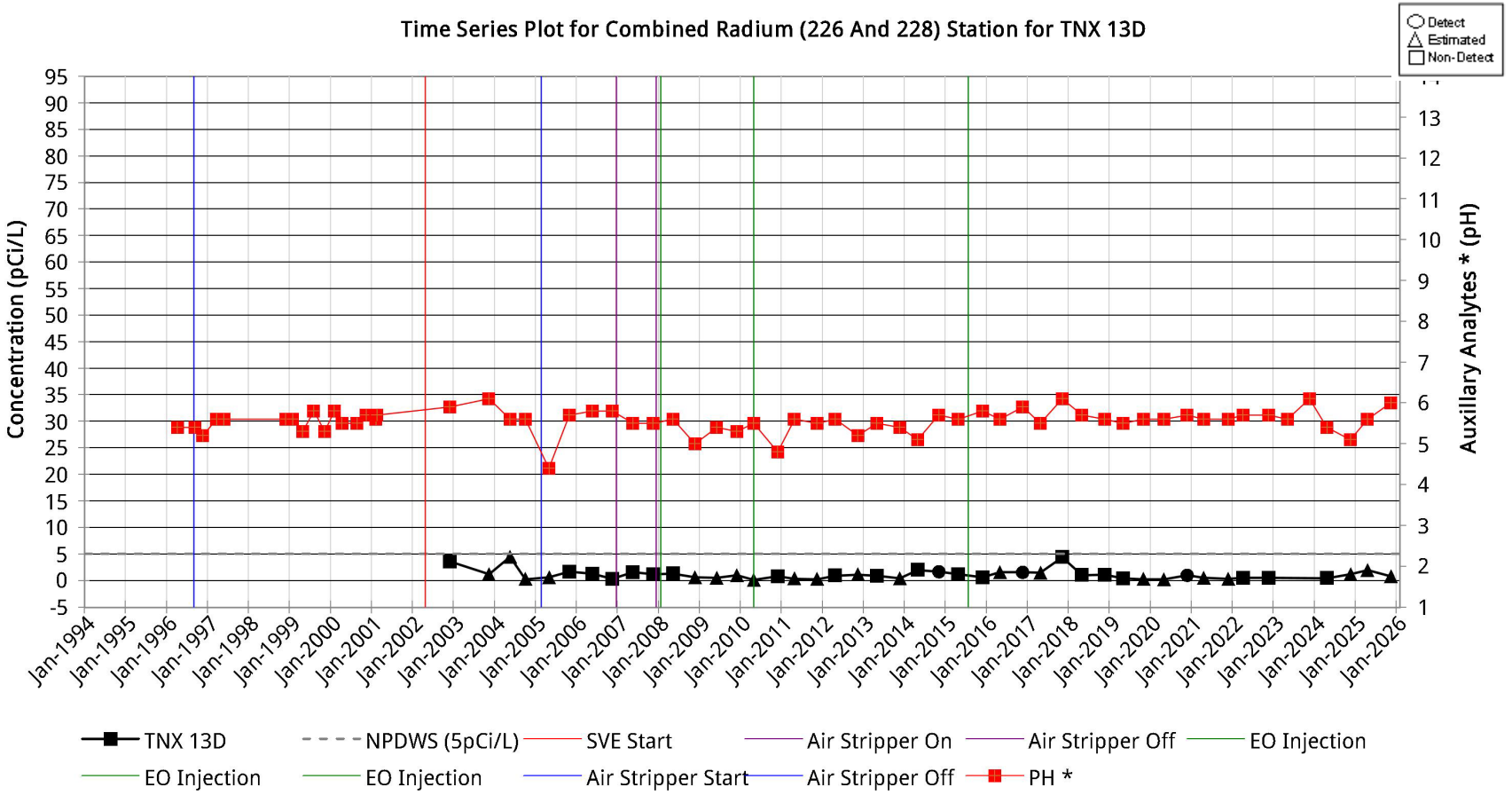
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 11D
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TNX 13D
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
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Jan-1994
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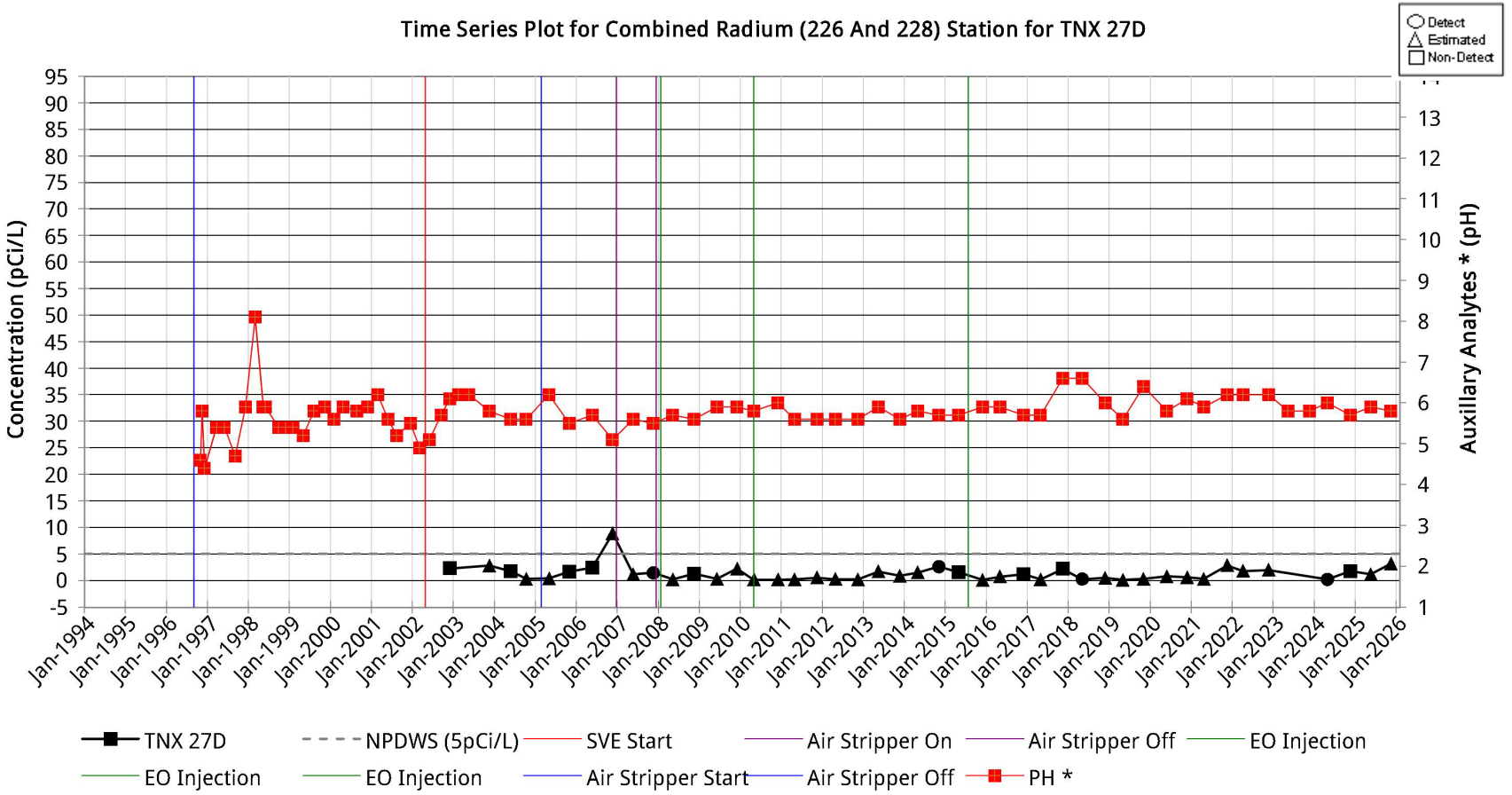
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 13D
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TNX 27D
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
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Jan-1994
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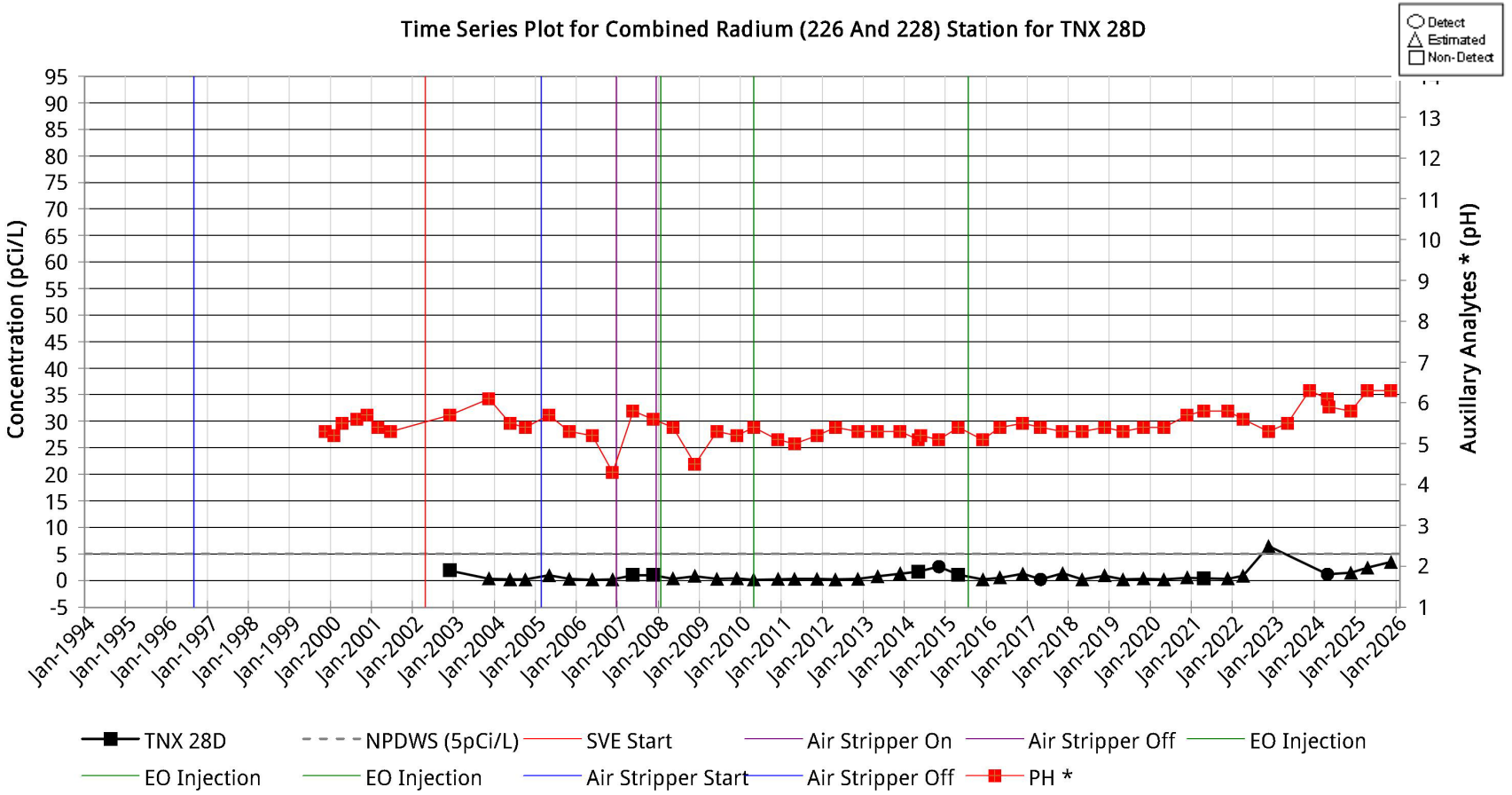
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 27D
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TNX 28D
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
12
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9
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4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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Jan-2011
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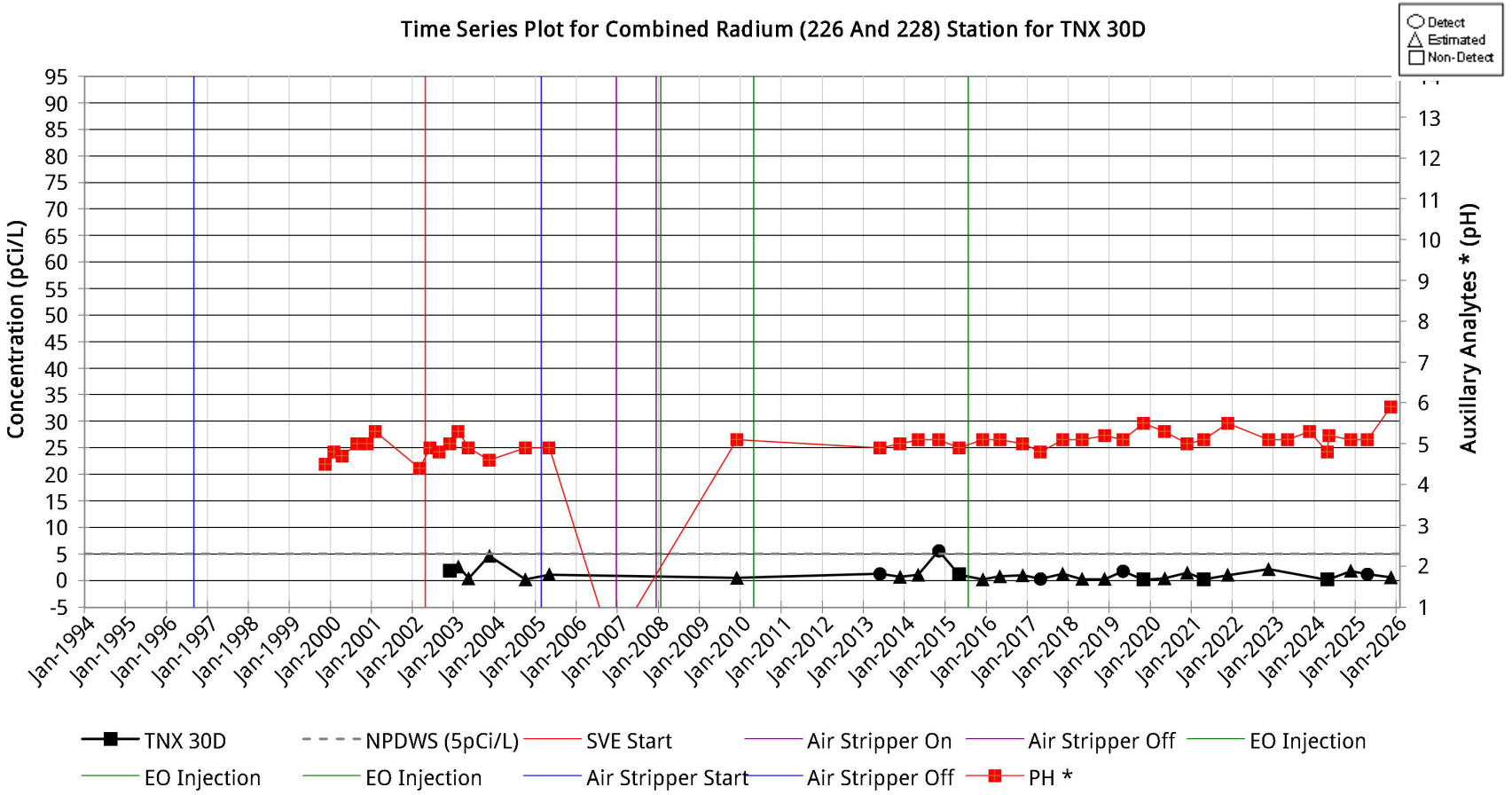
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 28D
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TNX 30D
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
12
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7
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4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
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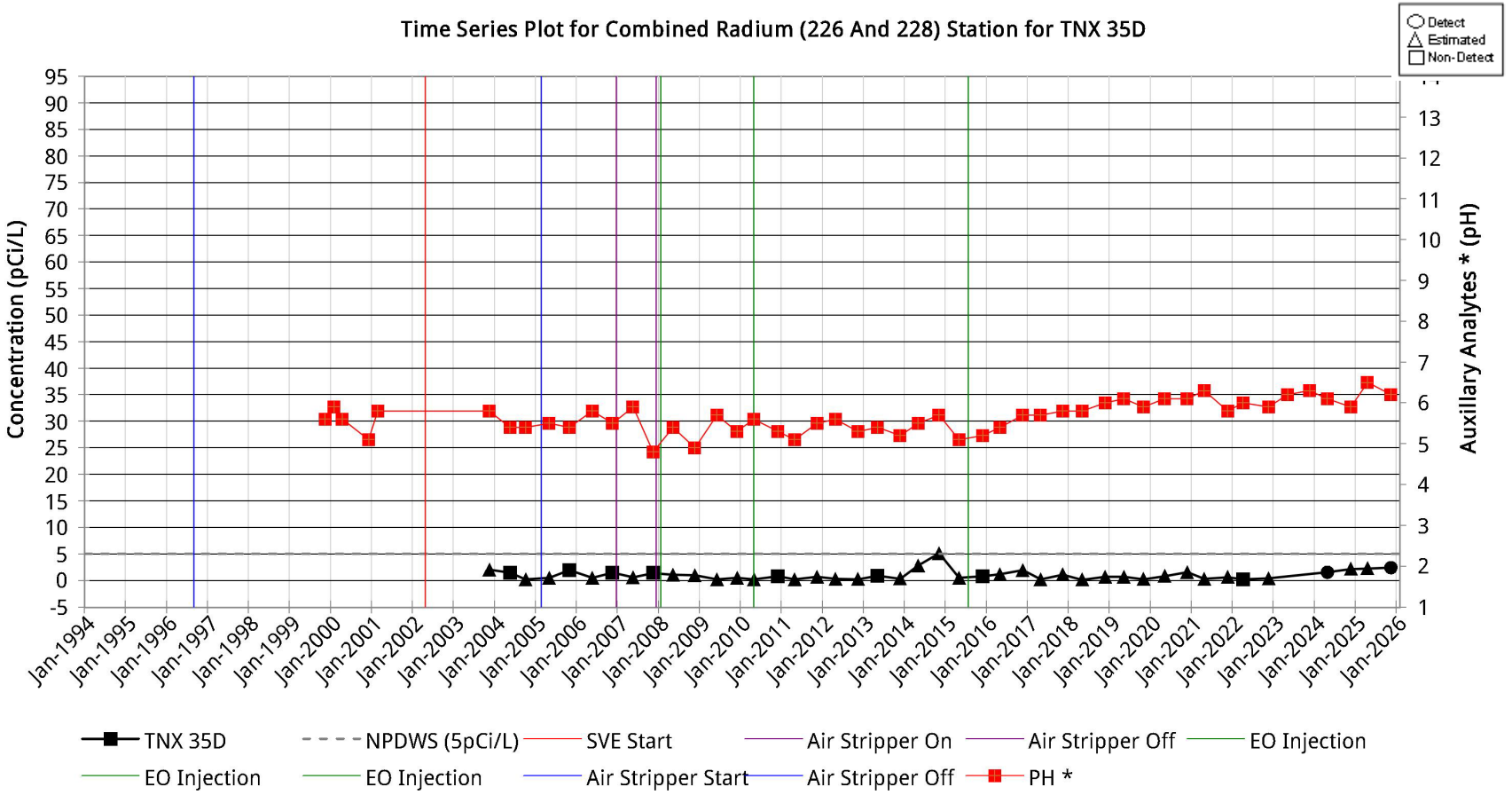
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 30D
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TNX 35D
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
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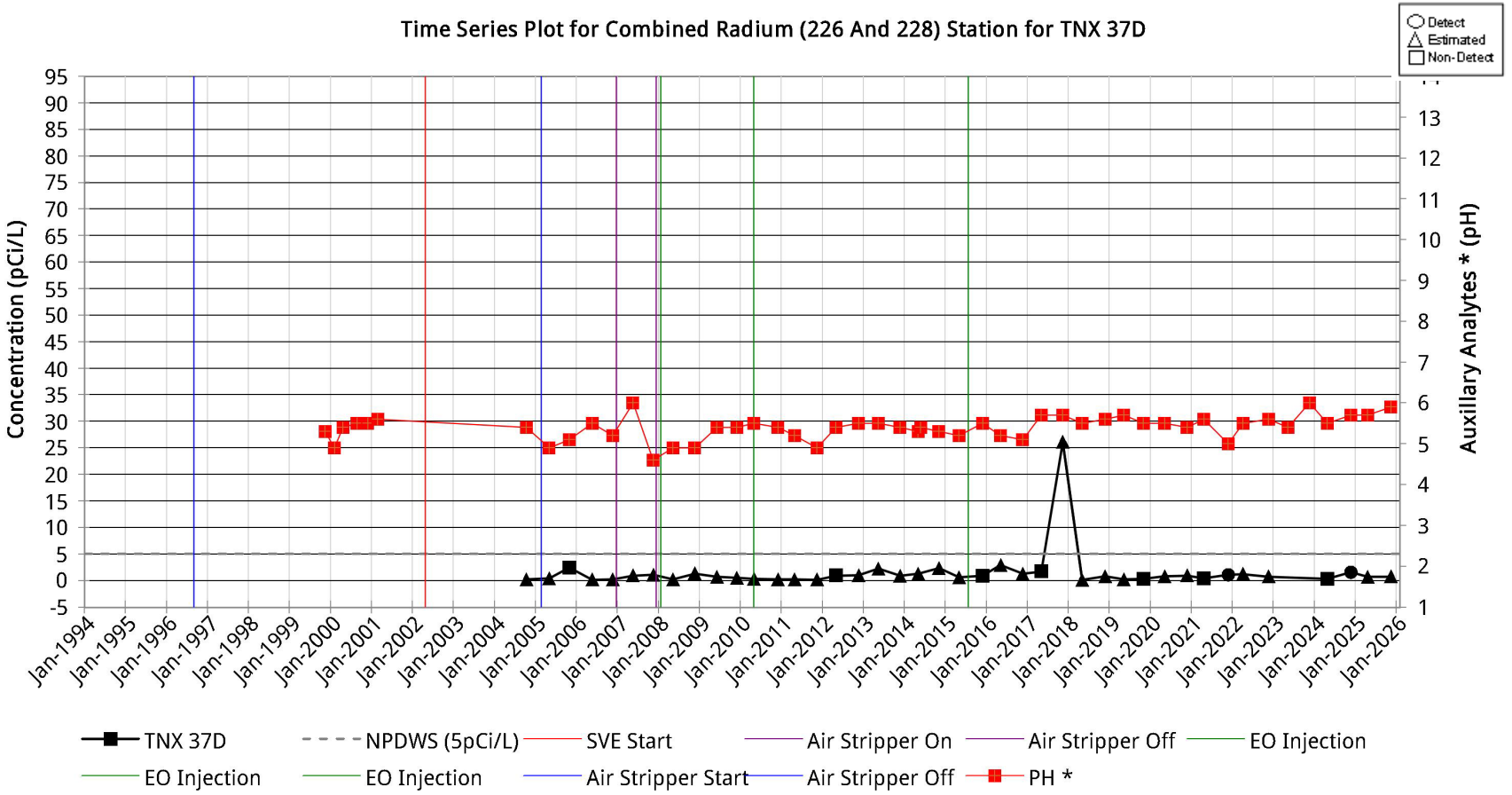
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 35D
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TNX 37D
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
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4
3
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Jan-1994
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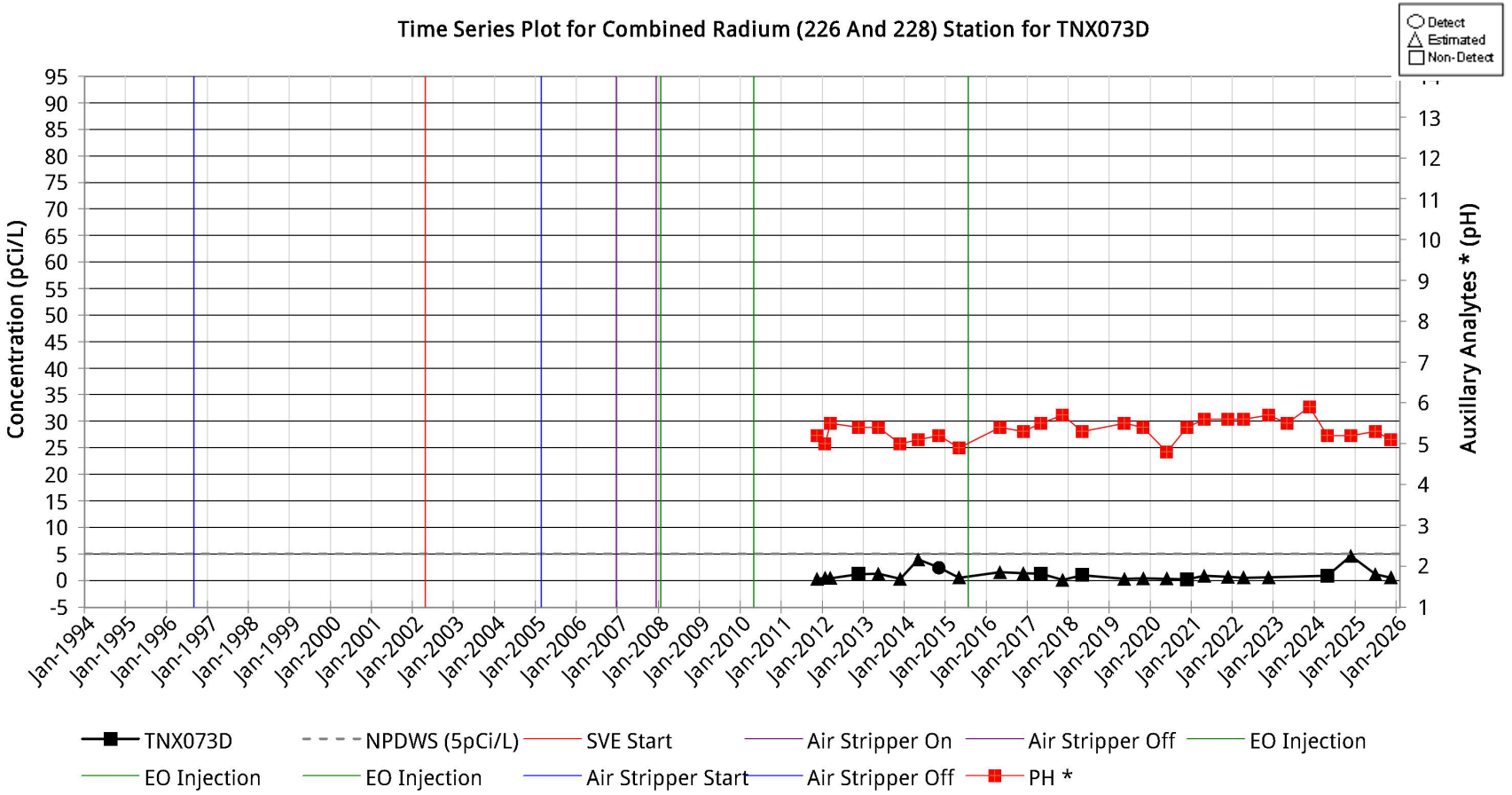
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 37D
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TNX073D
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
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Jan-1994
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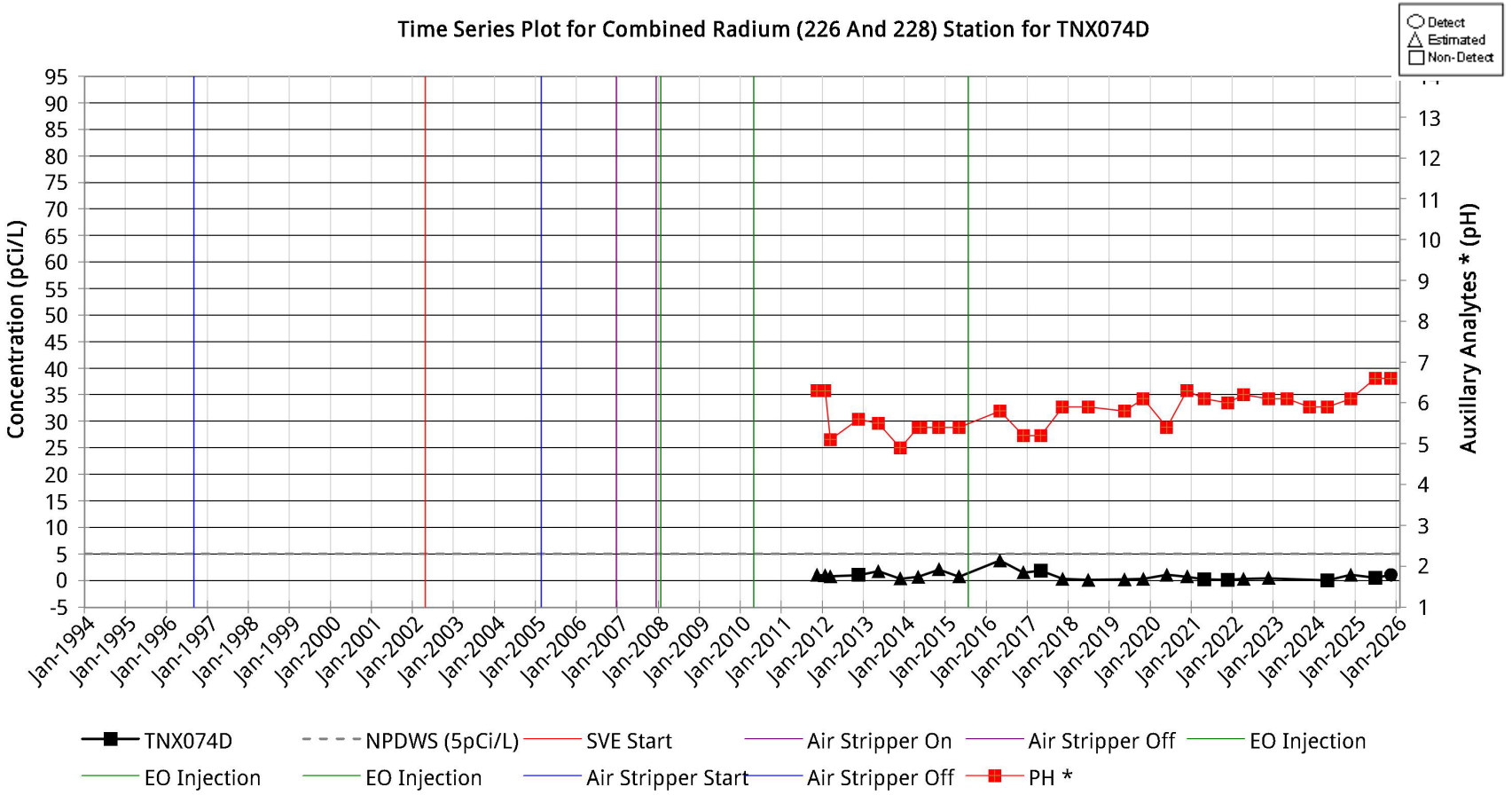
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX073D
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TNX074D
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
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7
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5
4
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Jan-1994
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Jan-2011
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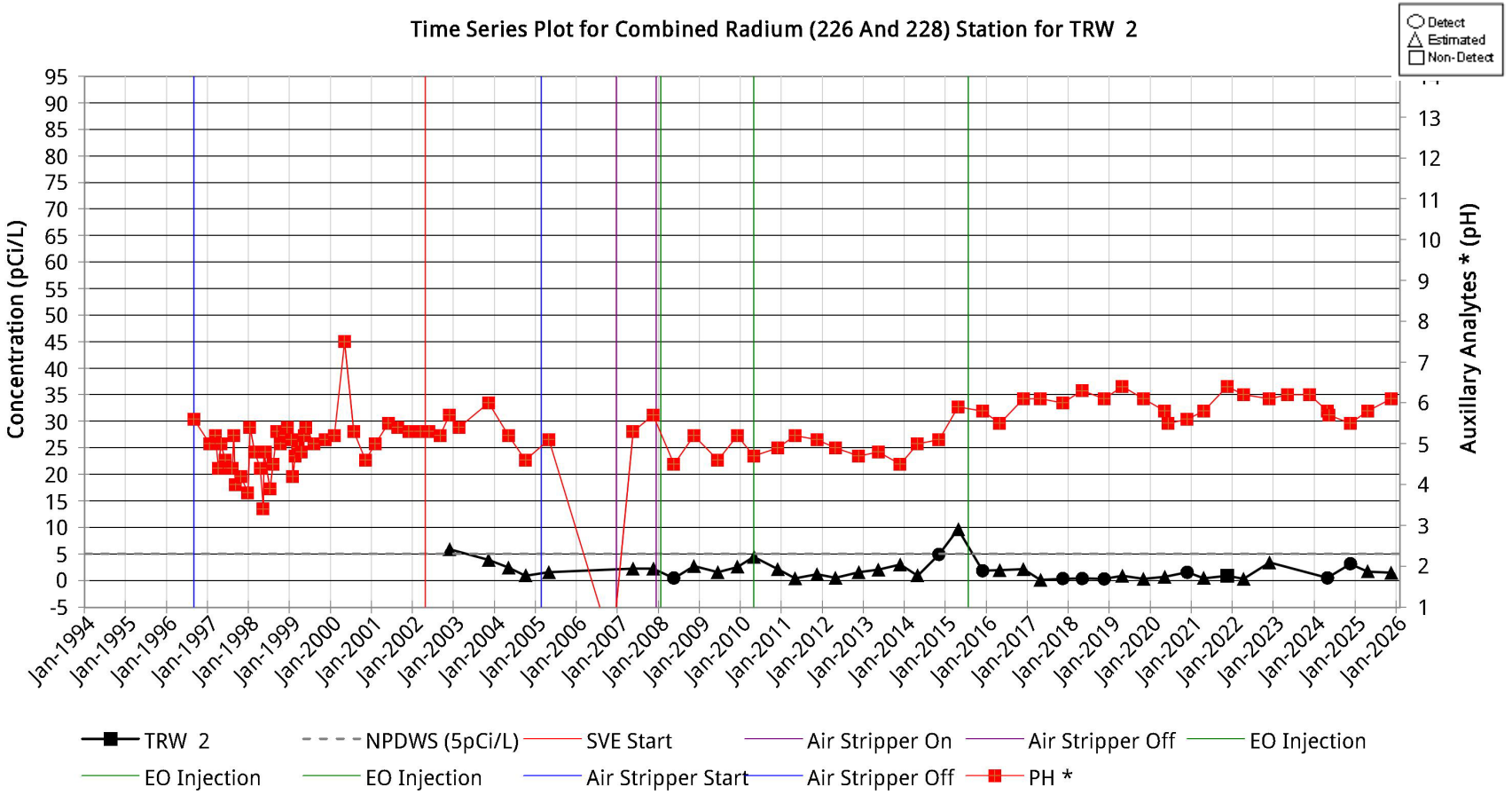
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX074D
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TRW 2
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
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5
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Jan-1994
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Jan-2011
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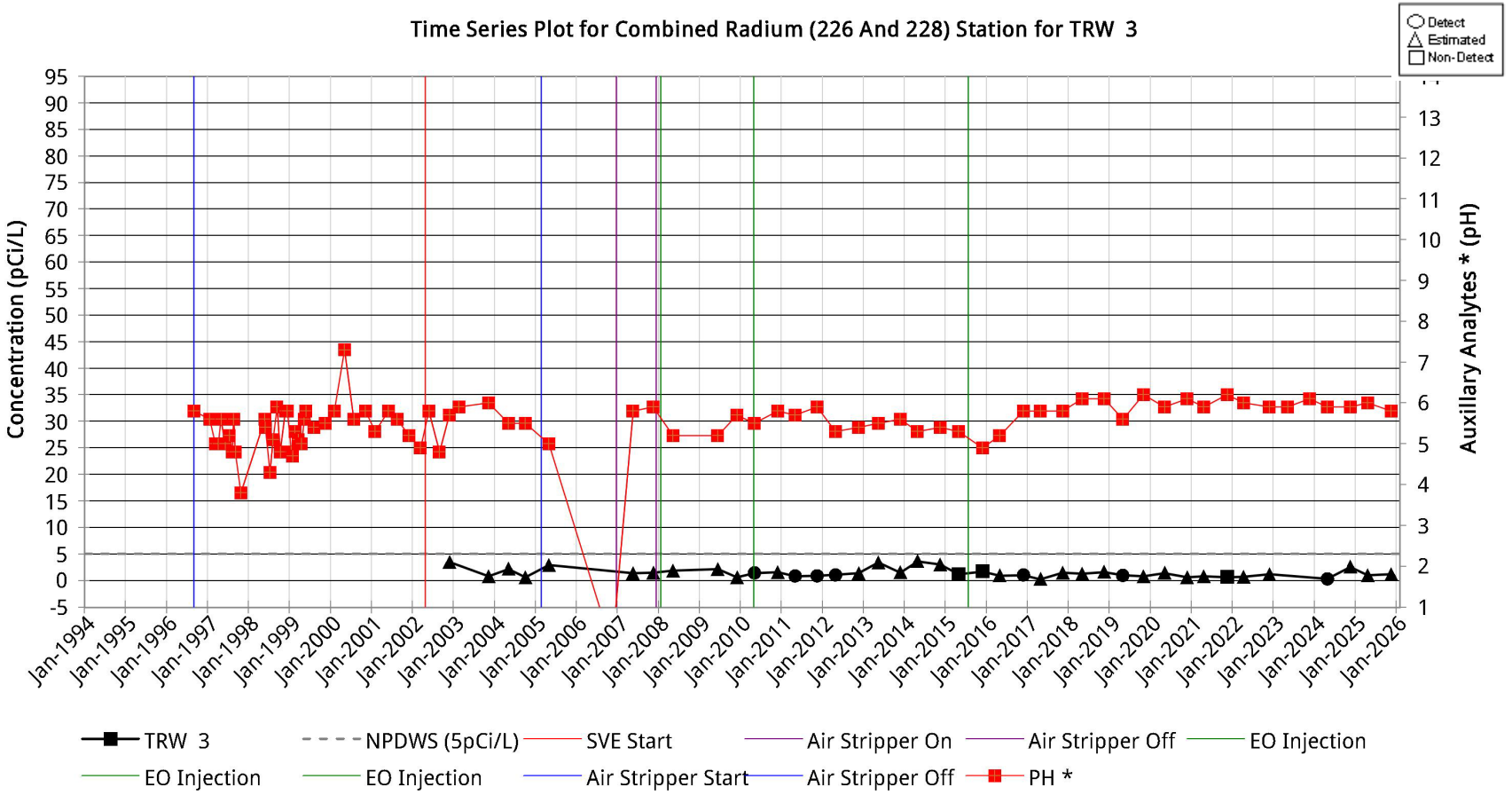
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 2
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for TRW 3
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
12
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9
8
7
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5
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Jan-1994
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Jan-2011
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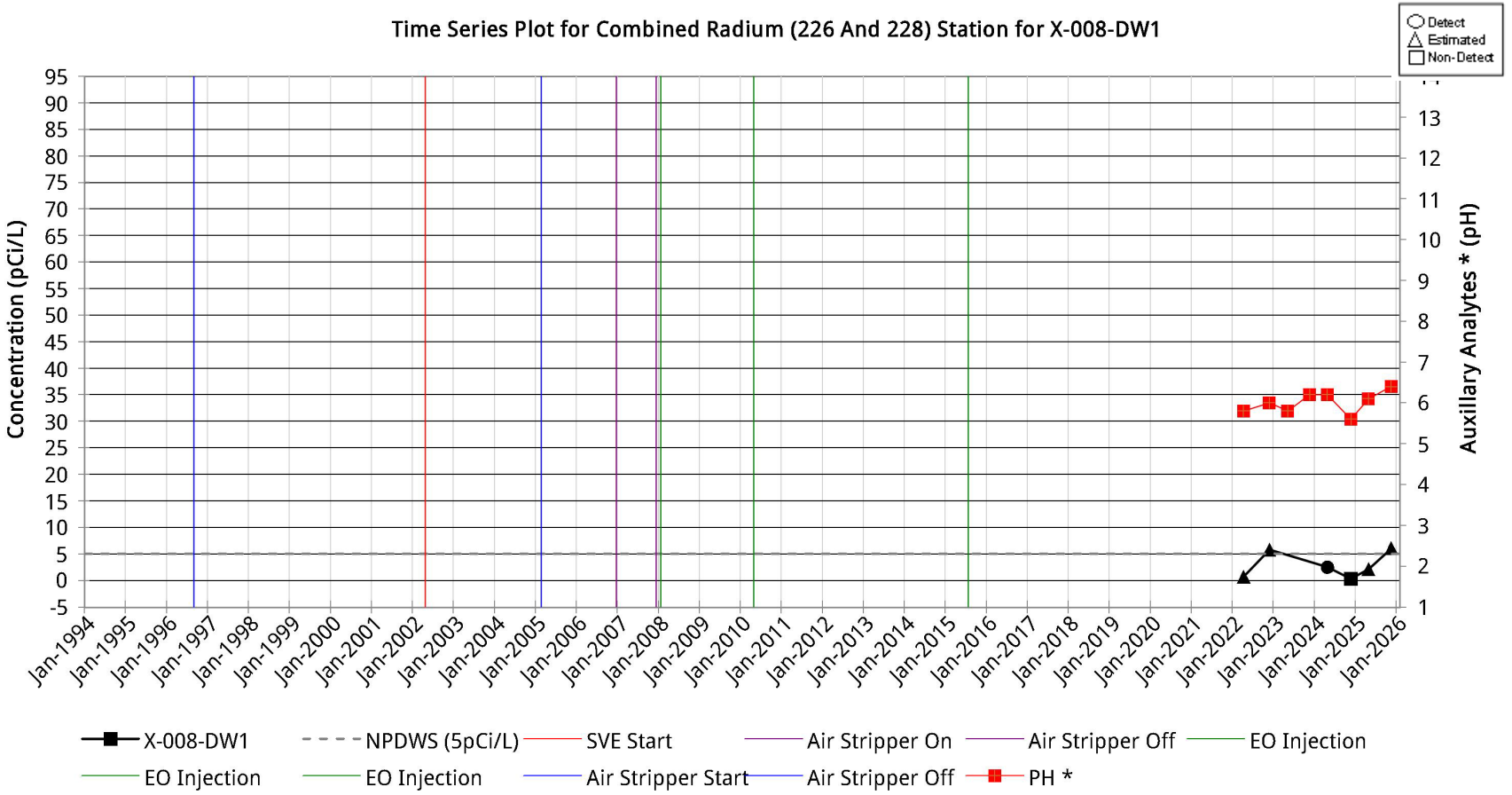
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 3
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for X-008-DW1
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
12
11
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6
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3
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Jan-1994
Jan-1995
Jan-1996
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Jan-2011
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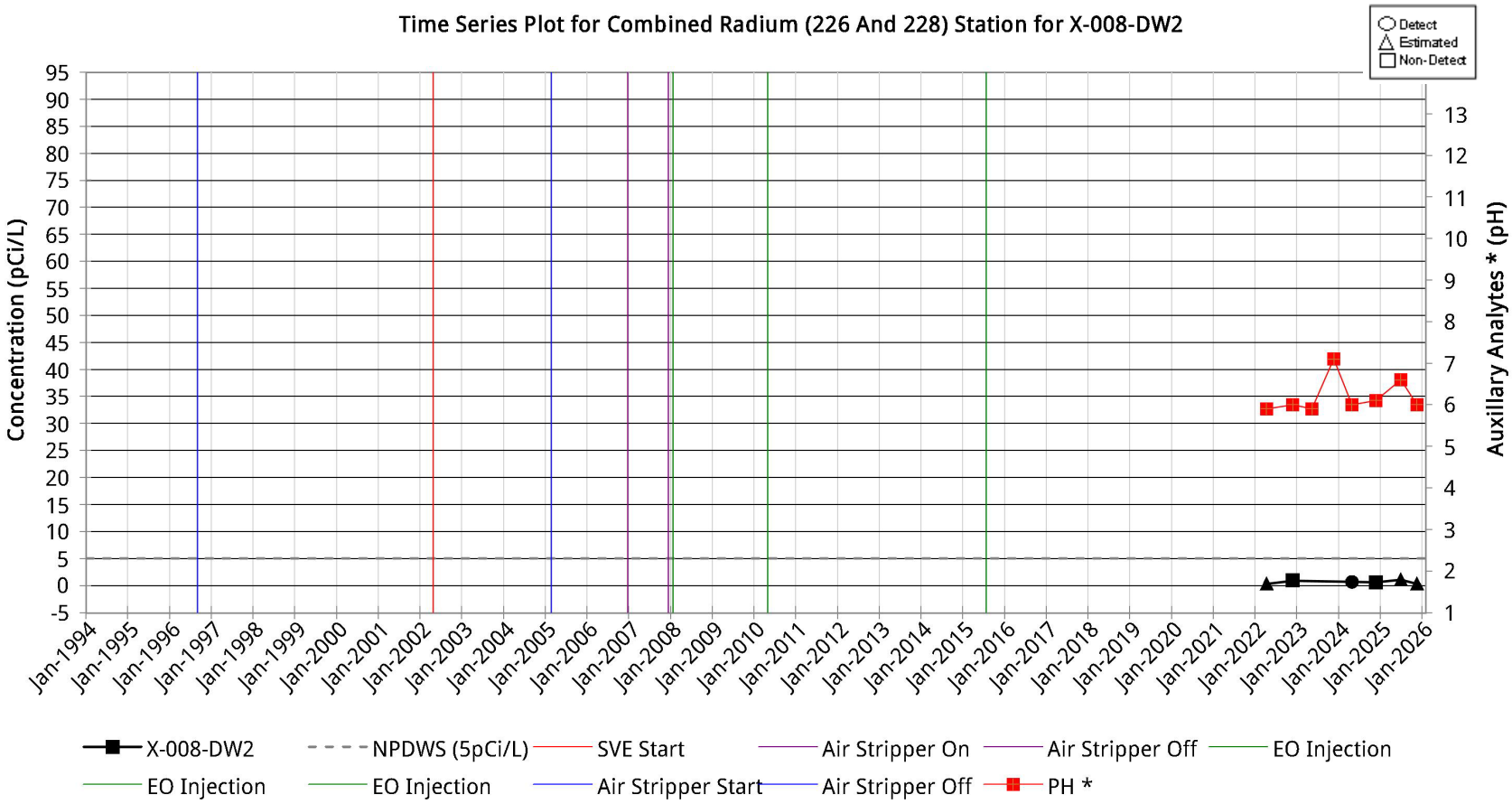
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
X-008-DW1
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for X-008-DW2
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
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-5
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Jan-1994
Jan-1995
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Jan-2010
Jan-2011
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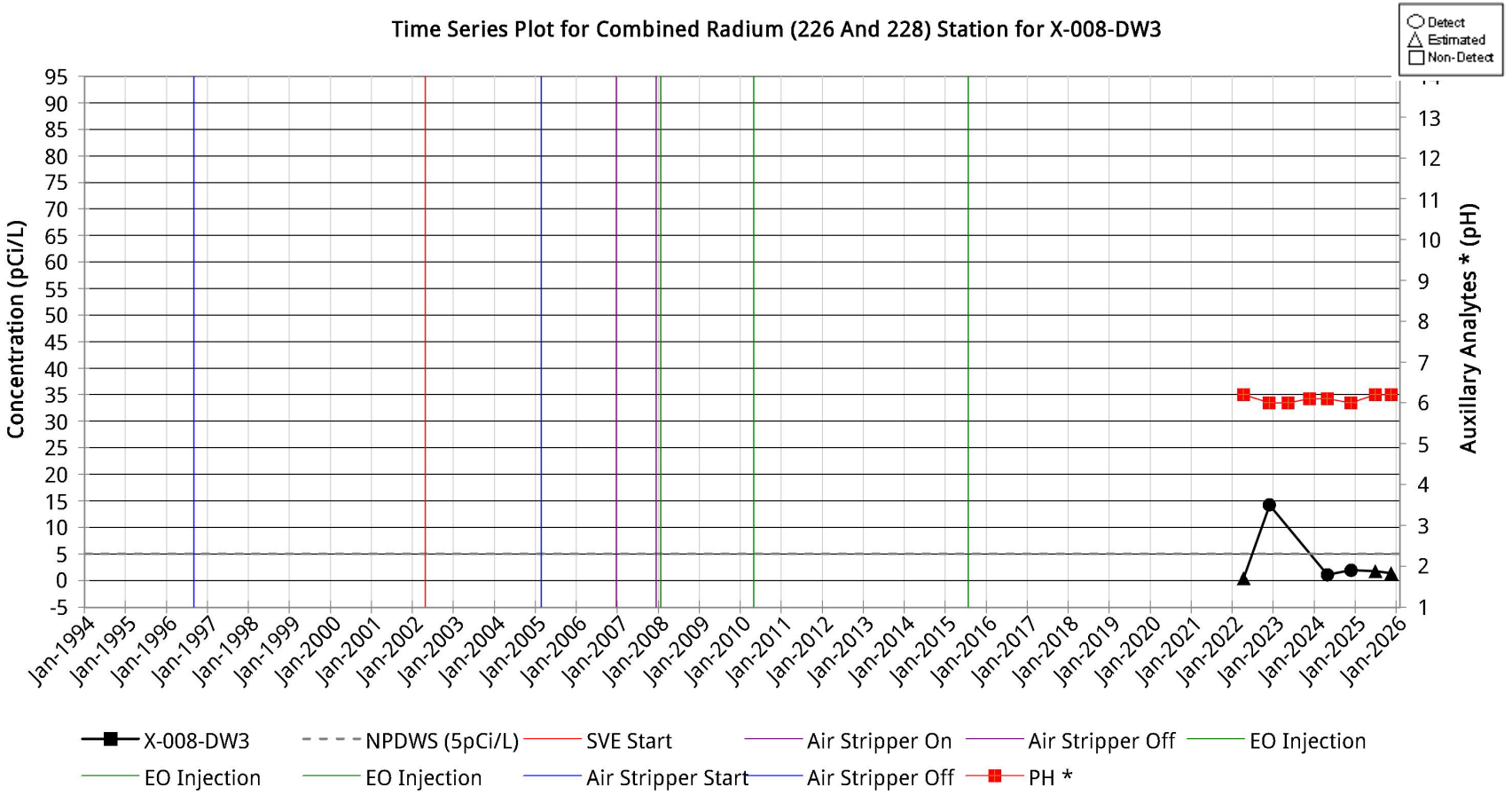
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
X-008-DW2
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for X-008-DW3
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
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Jan-1994
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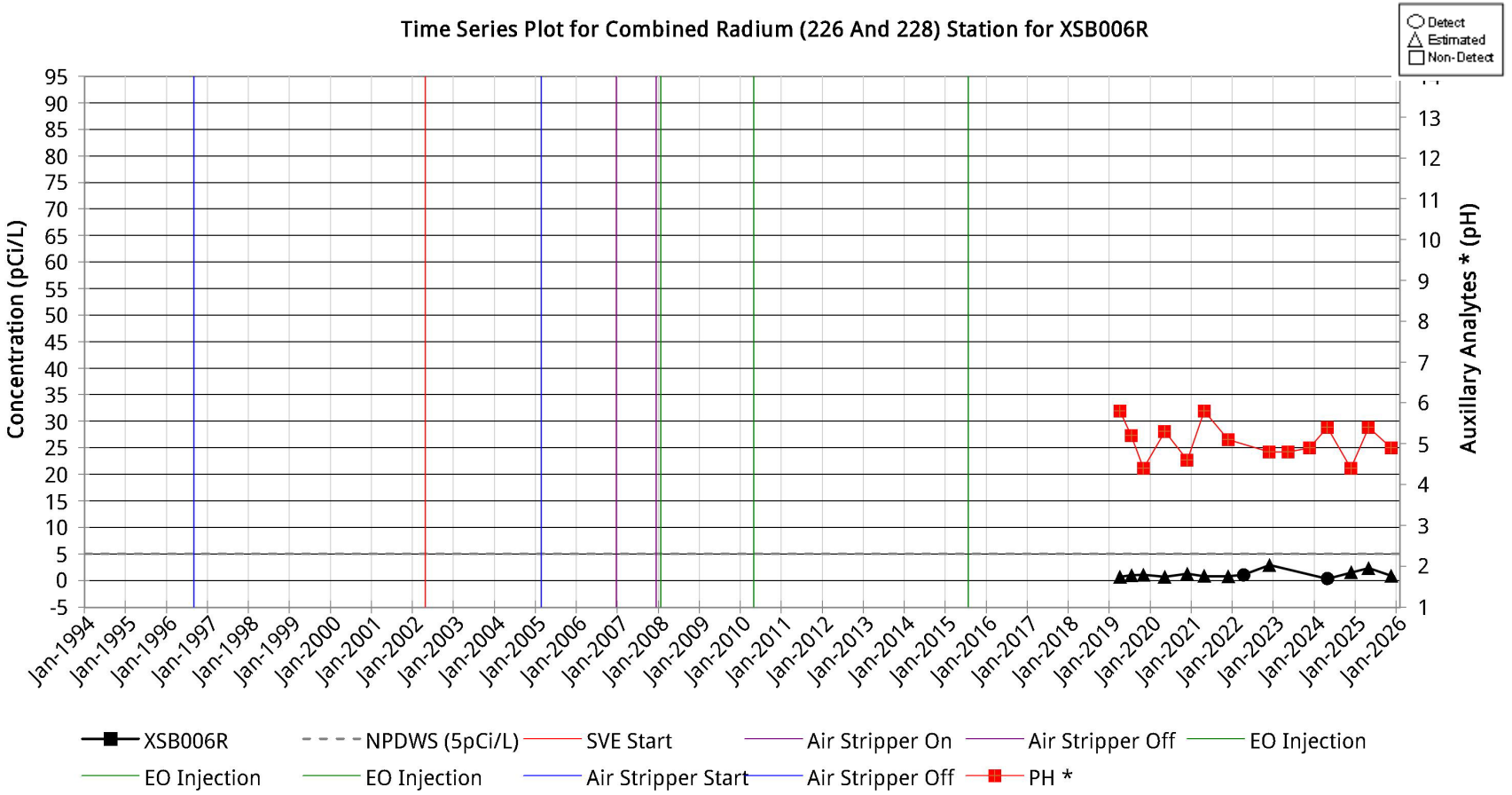
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
X-008-DW3
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Combined Radium (226 And 228) Station for XSB006R
Detect
Estimated
Non-Detect
Concentration (pCi/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
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Jan-2011
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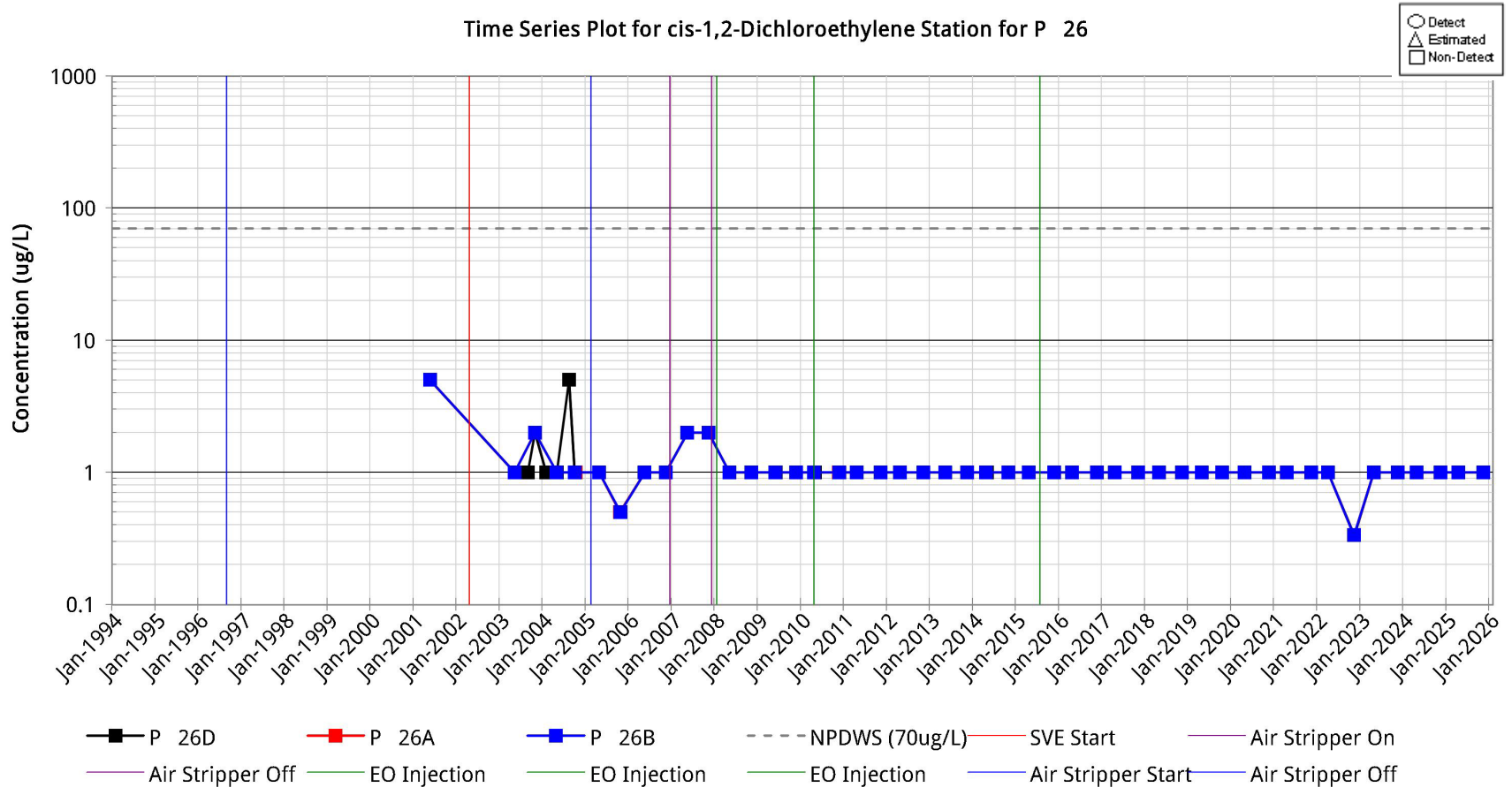
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
XSB006R
NPDWS (5pCi/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for cis-1,2-Dichloroethylene Station for P 26
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2010
Jan-2011
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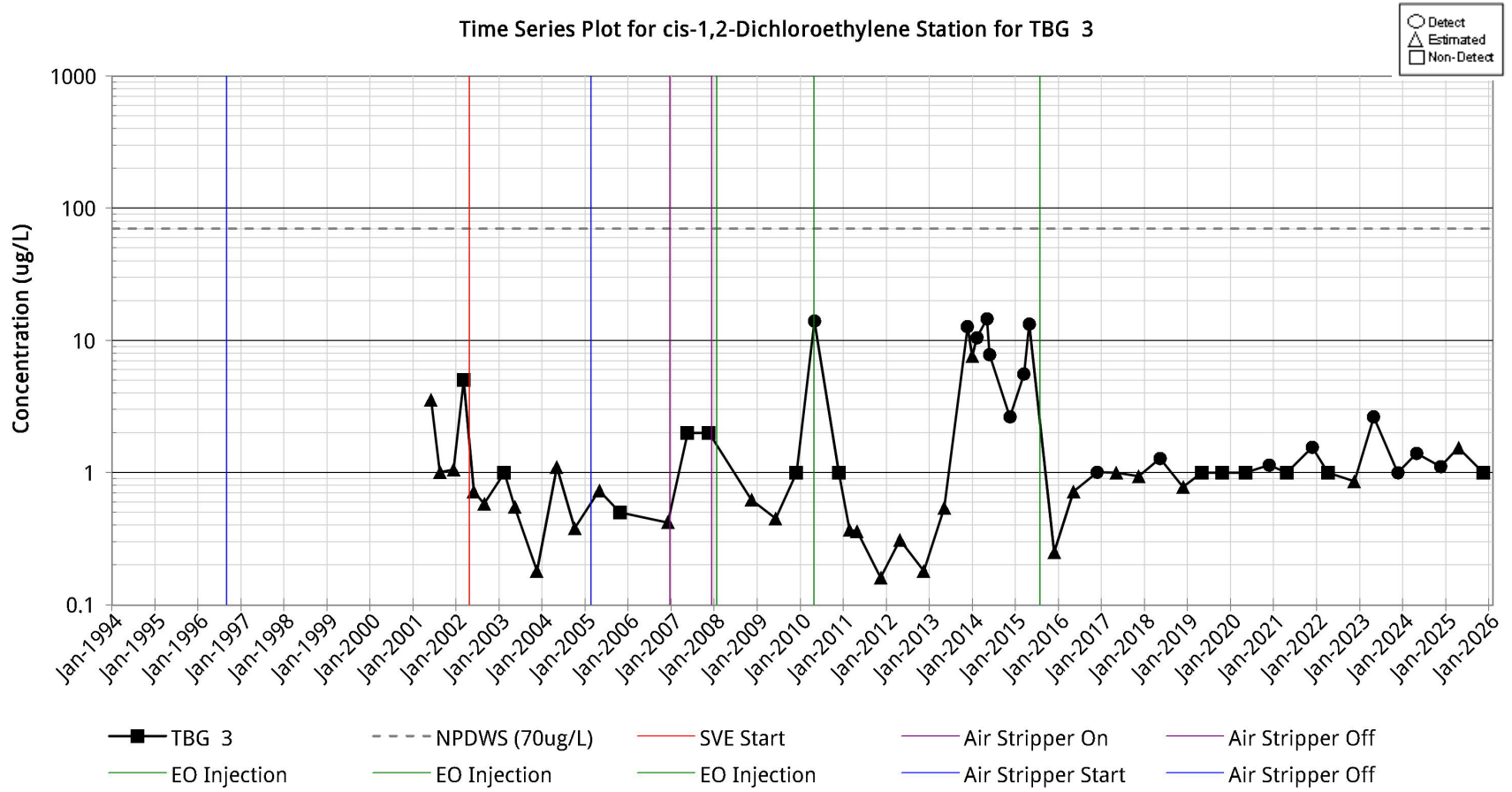
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
P 26D
P 26A
P 26B
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TBG 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2011
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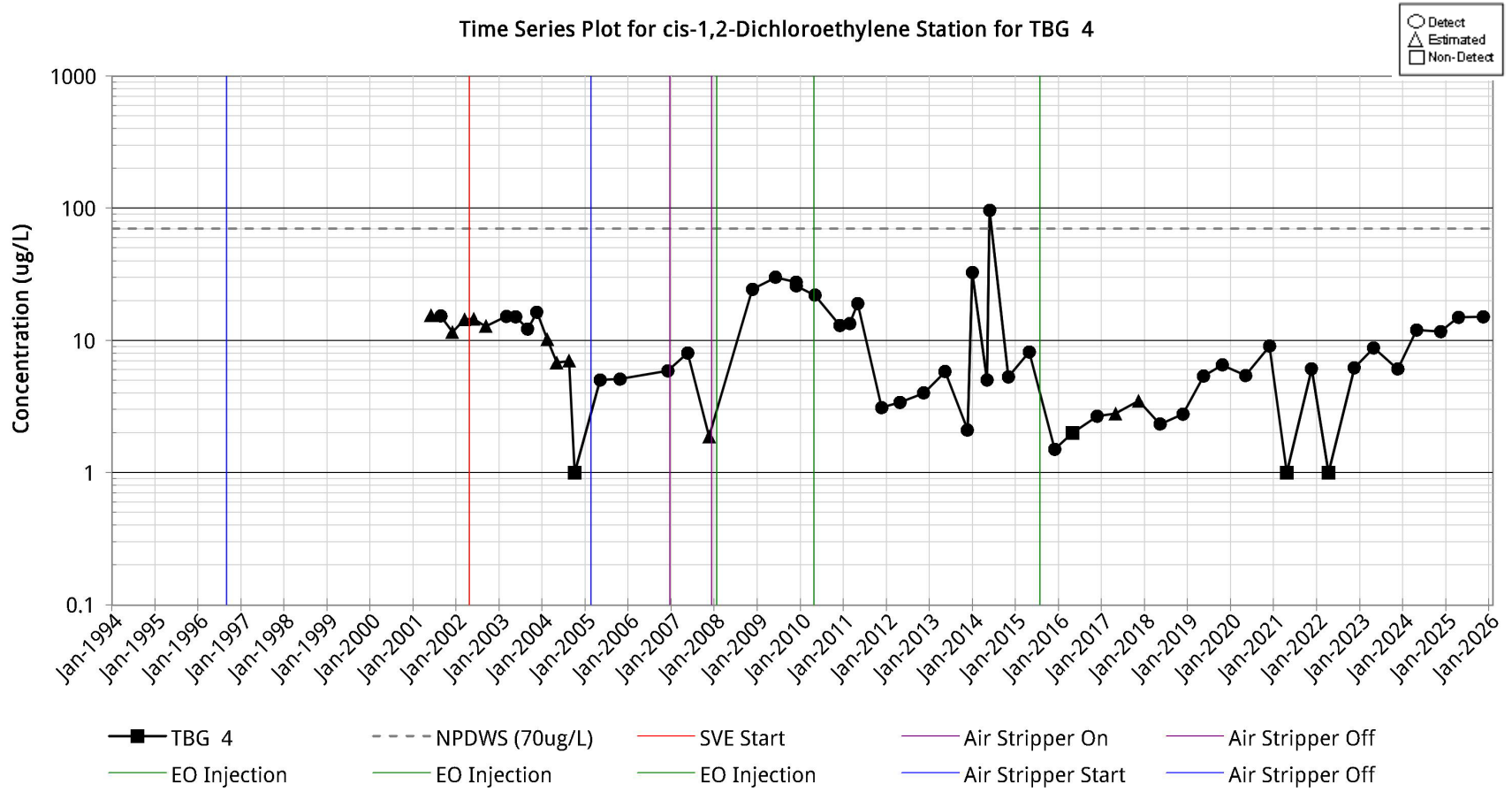
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 3
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TBG 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
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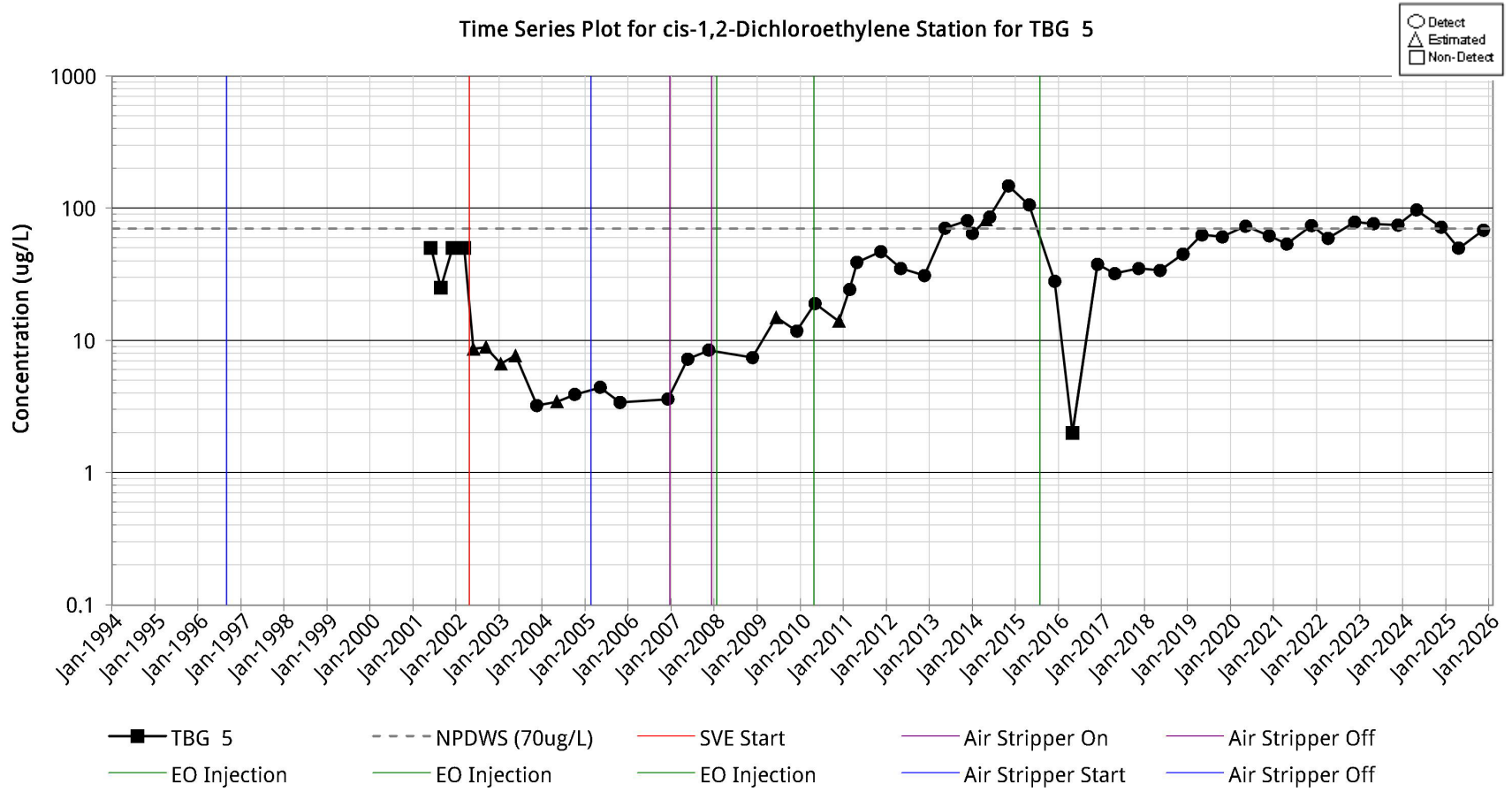
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 4
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TBG 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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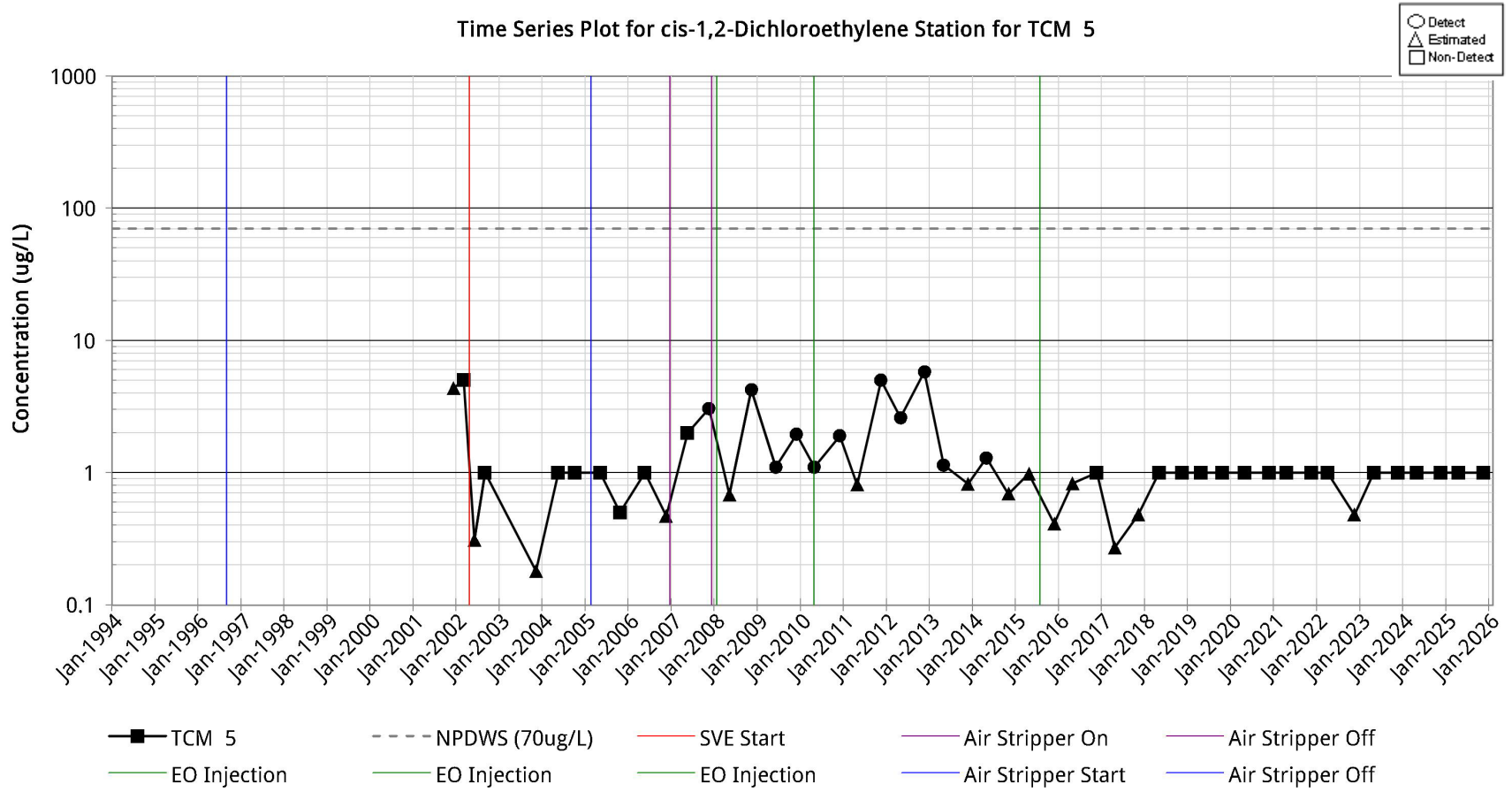
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 5
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TCM 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
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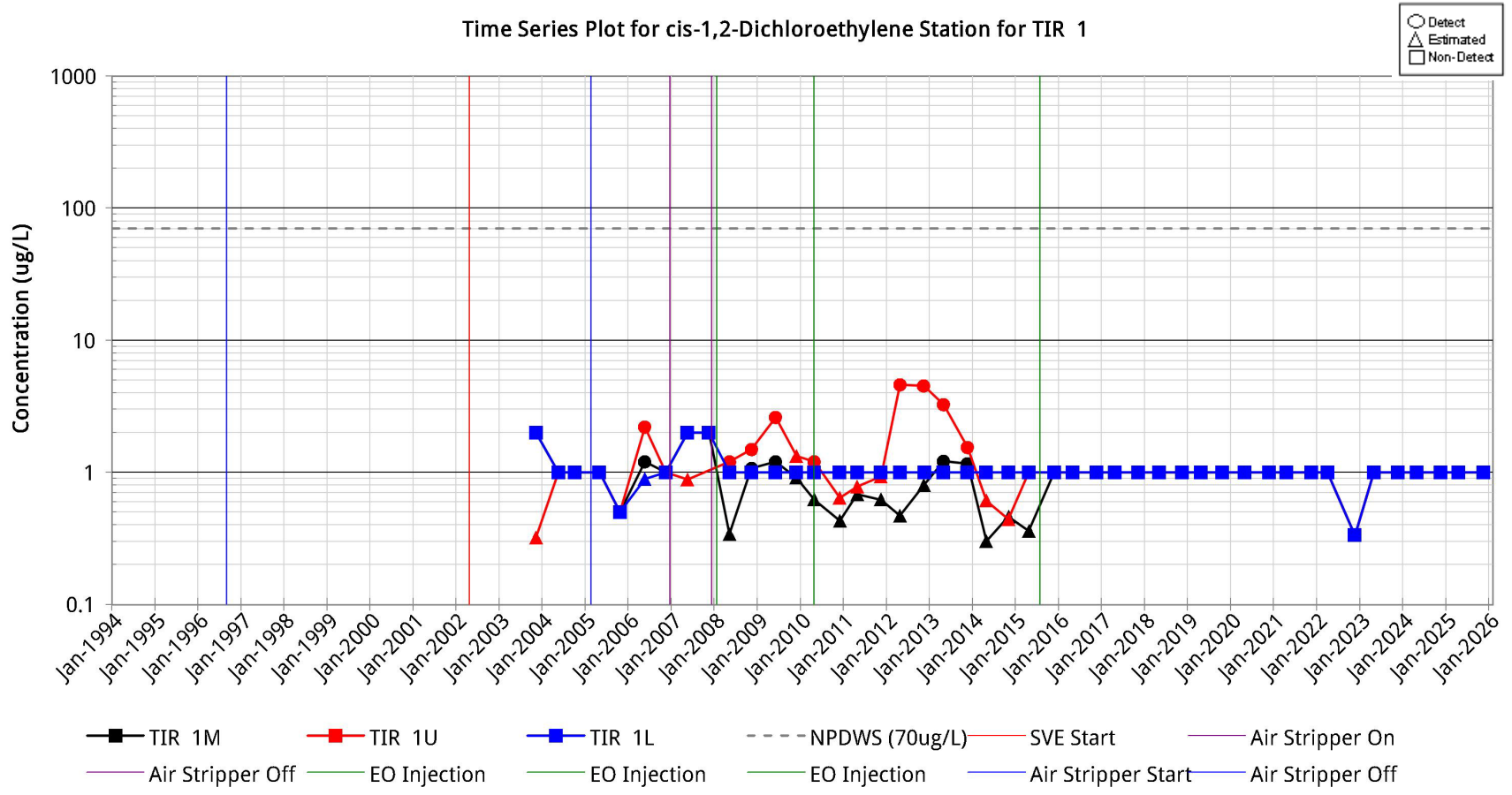
Jan-2024
Jan-2025
Jan-2026
TCM 5
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TIR 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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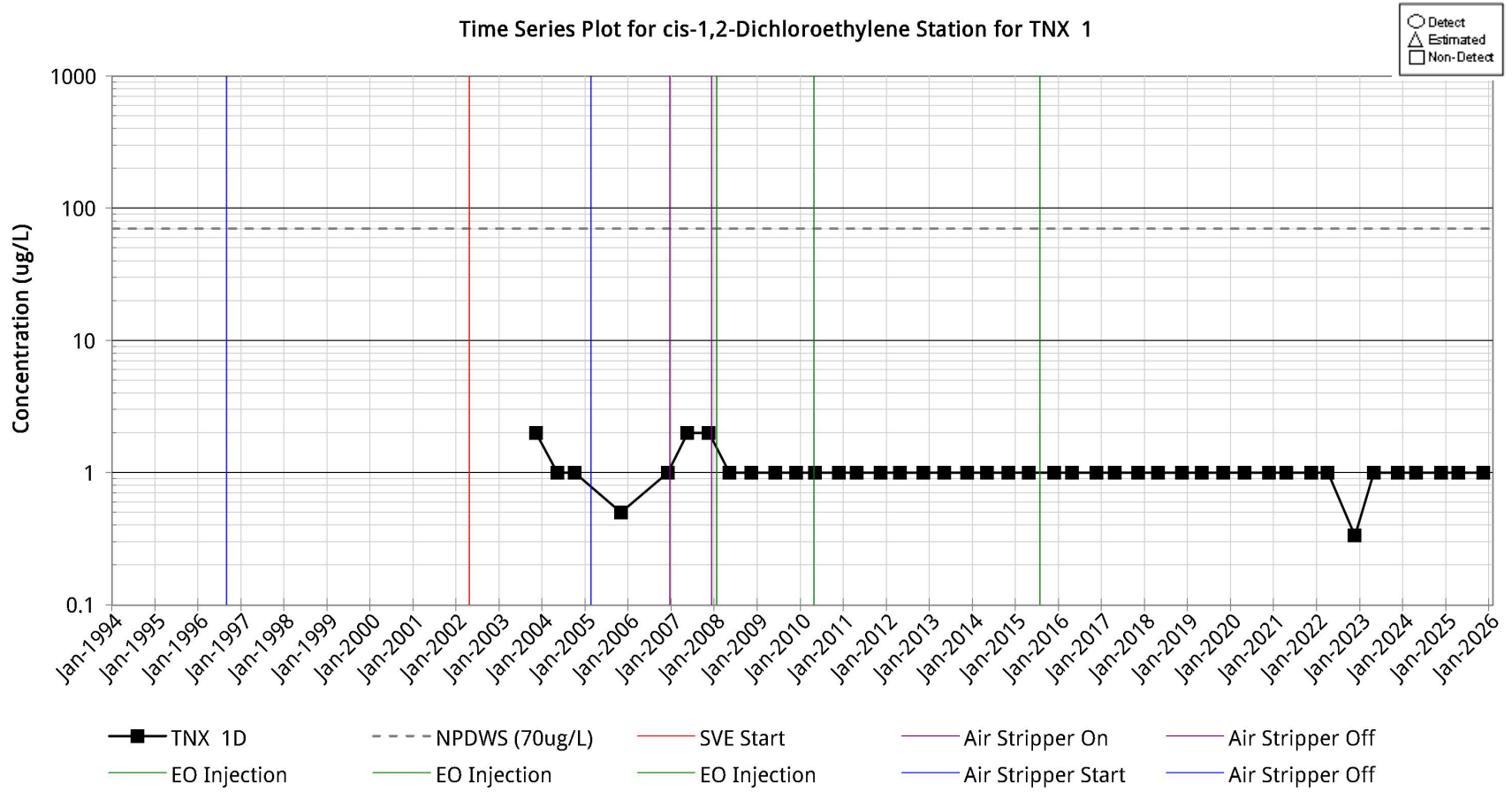
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TIR 1M
TIR 1U
TIR 1L
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
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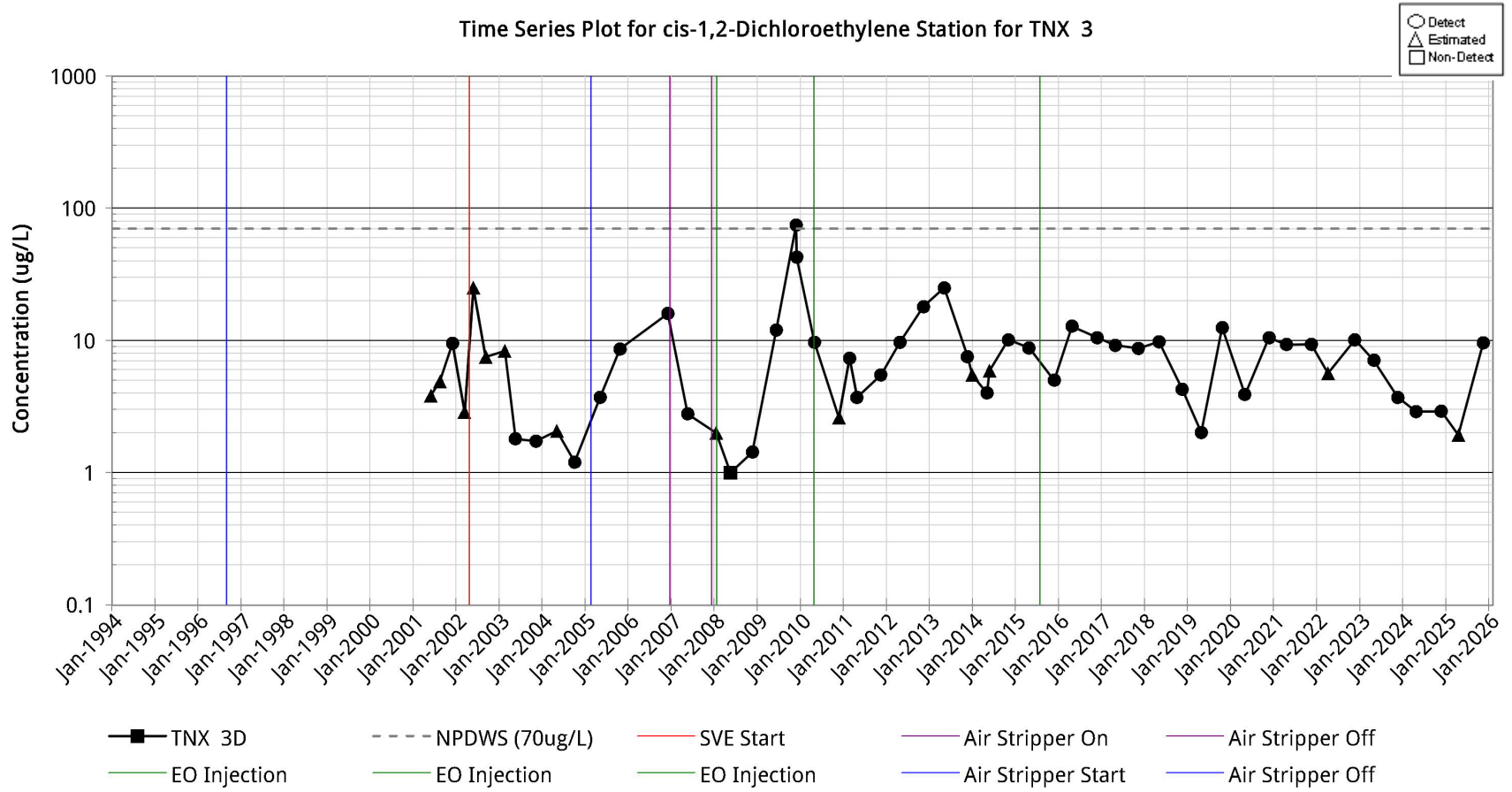
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 1D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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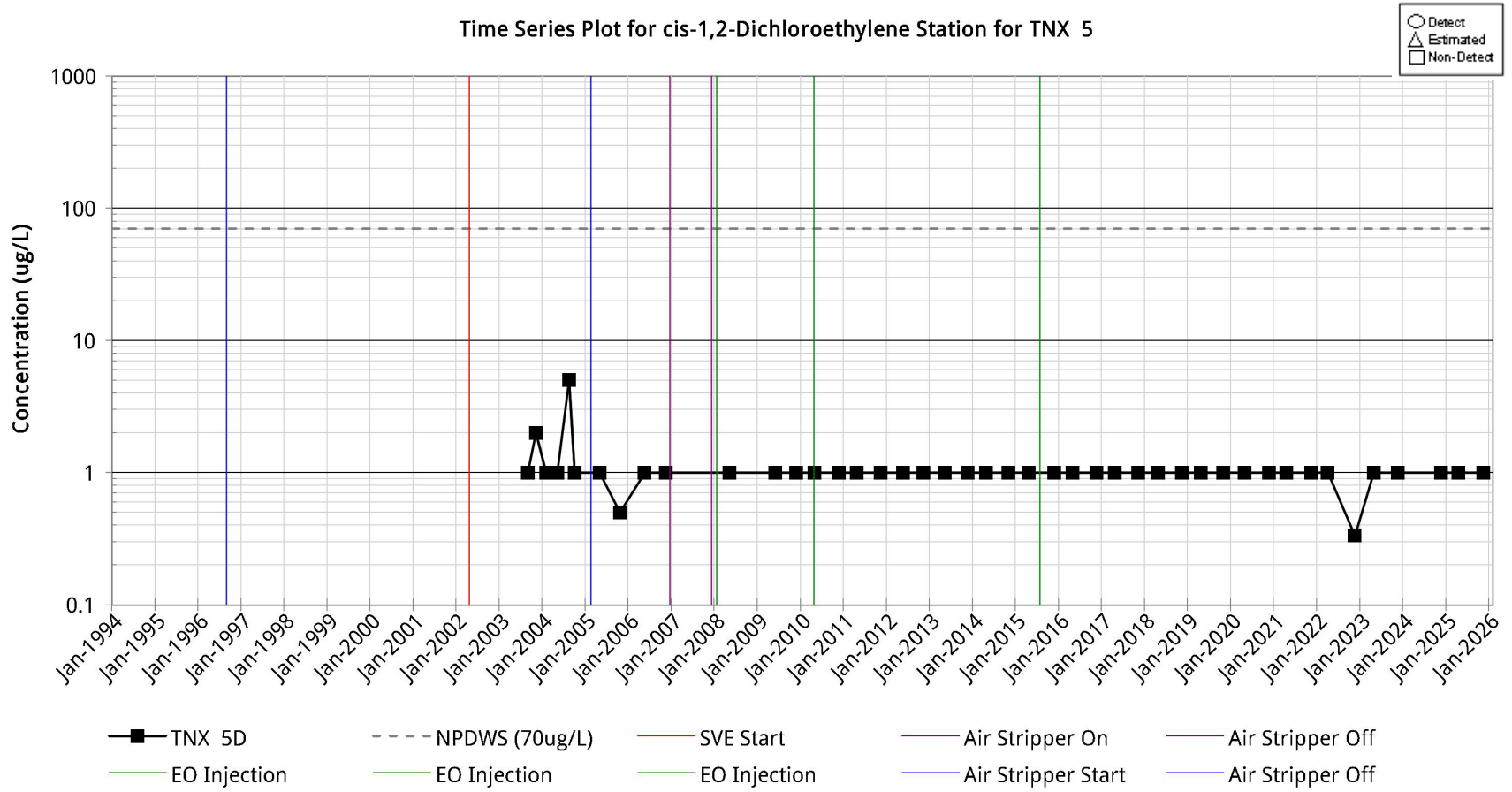
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 3D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
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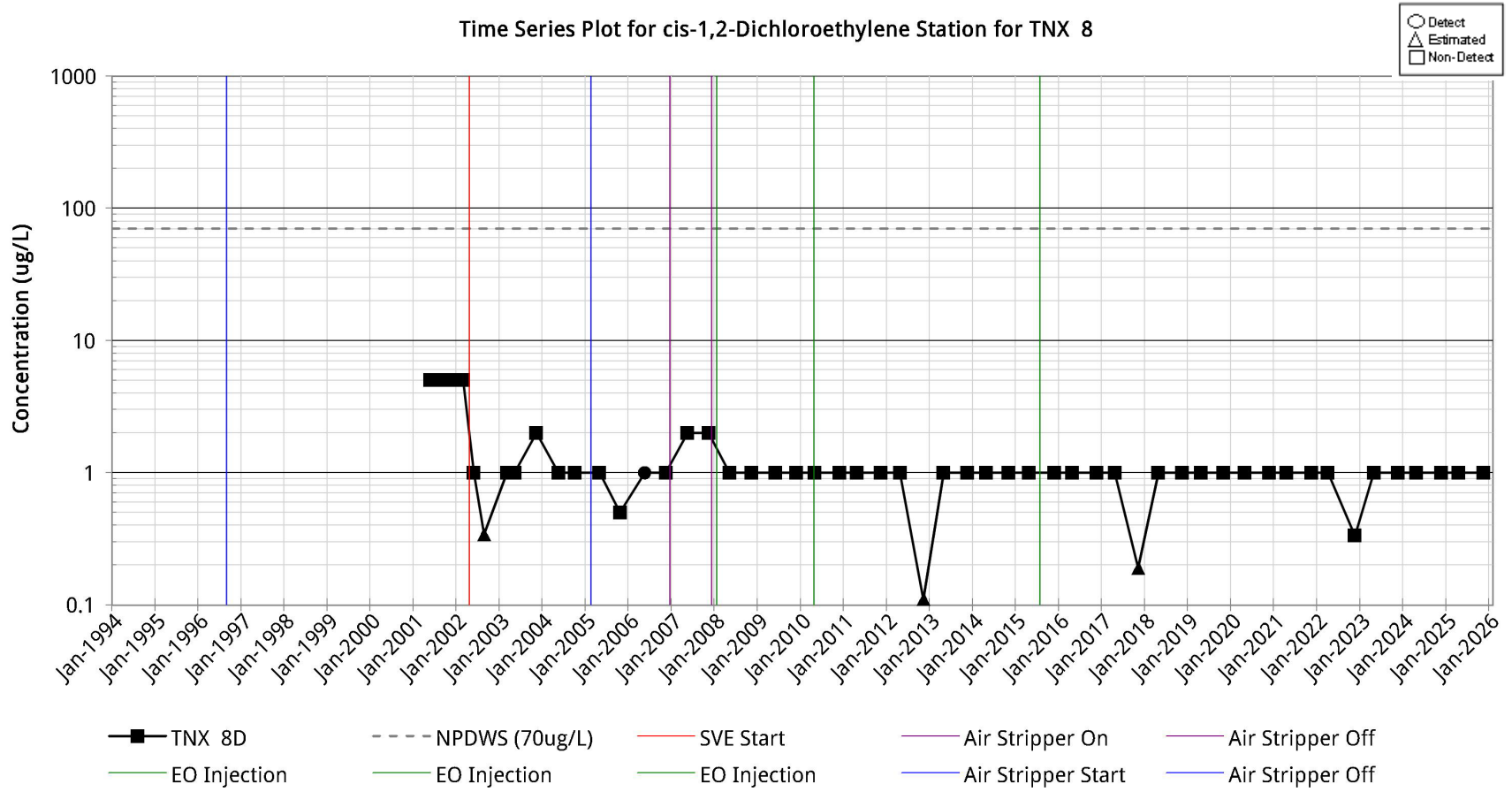
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 5D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 8
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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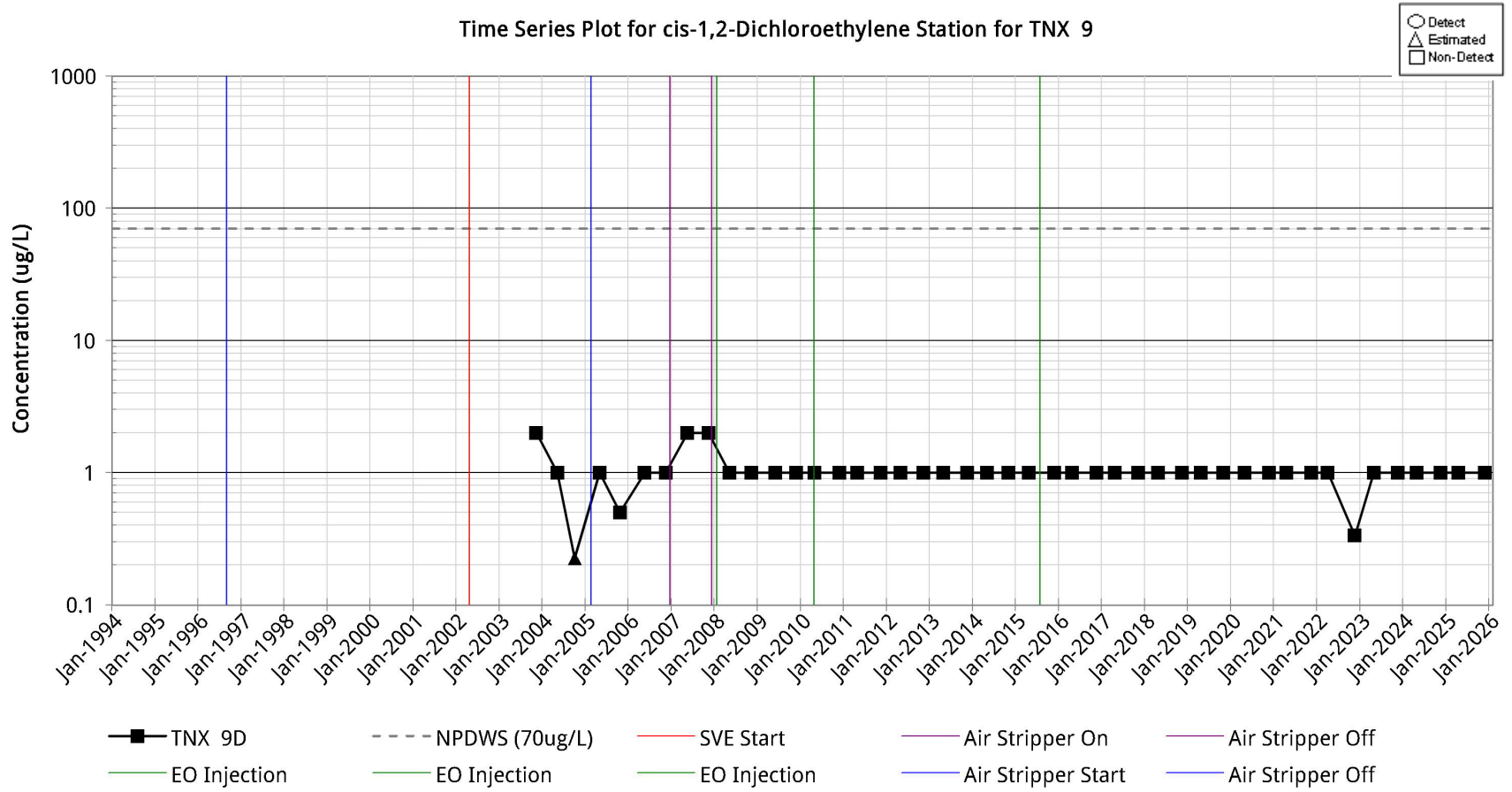
Jan-2024
Jan-2025
Jan-2026
TNX 8D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 9
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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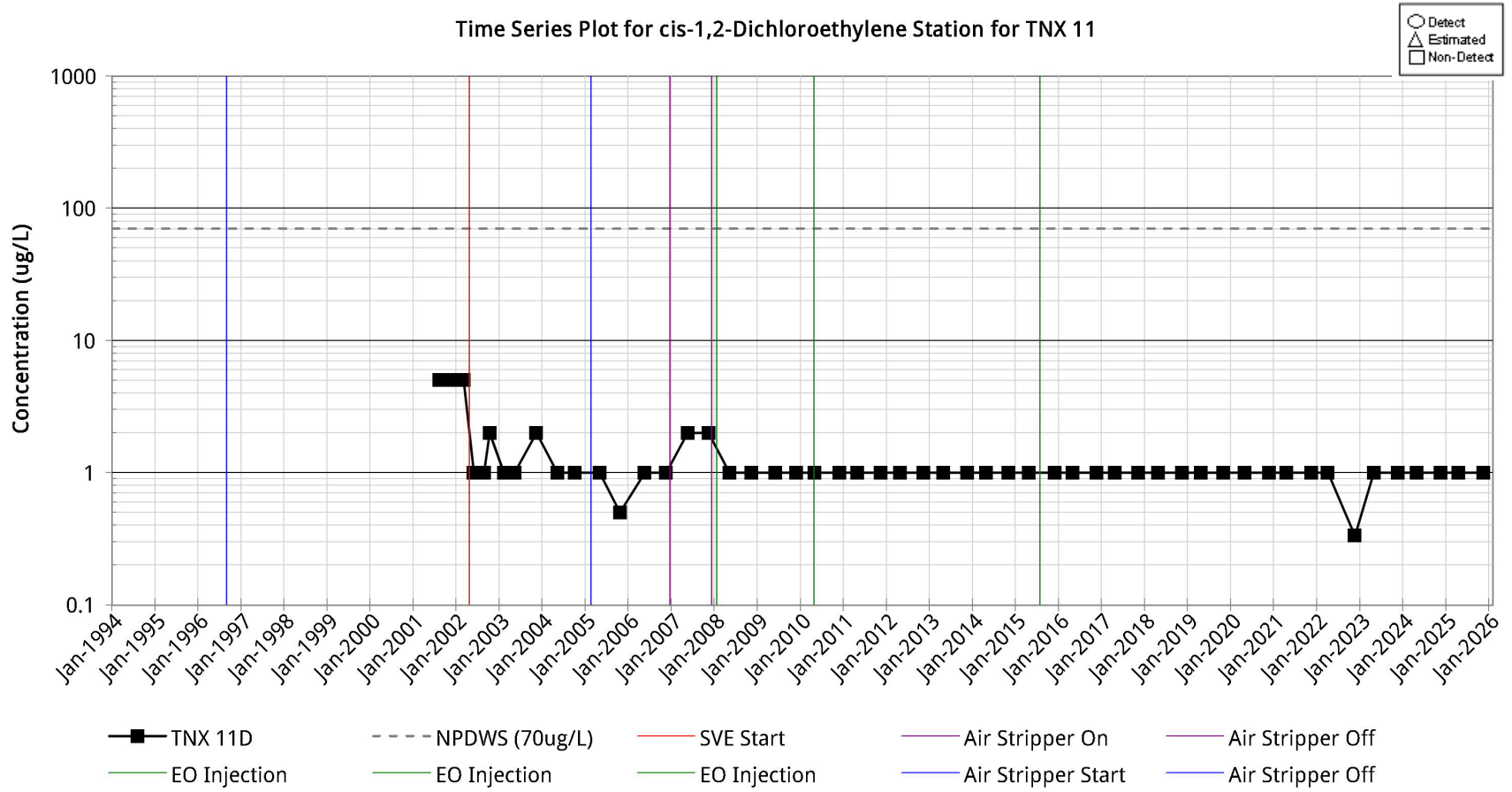
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 9D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 11
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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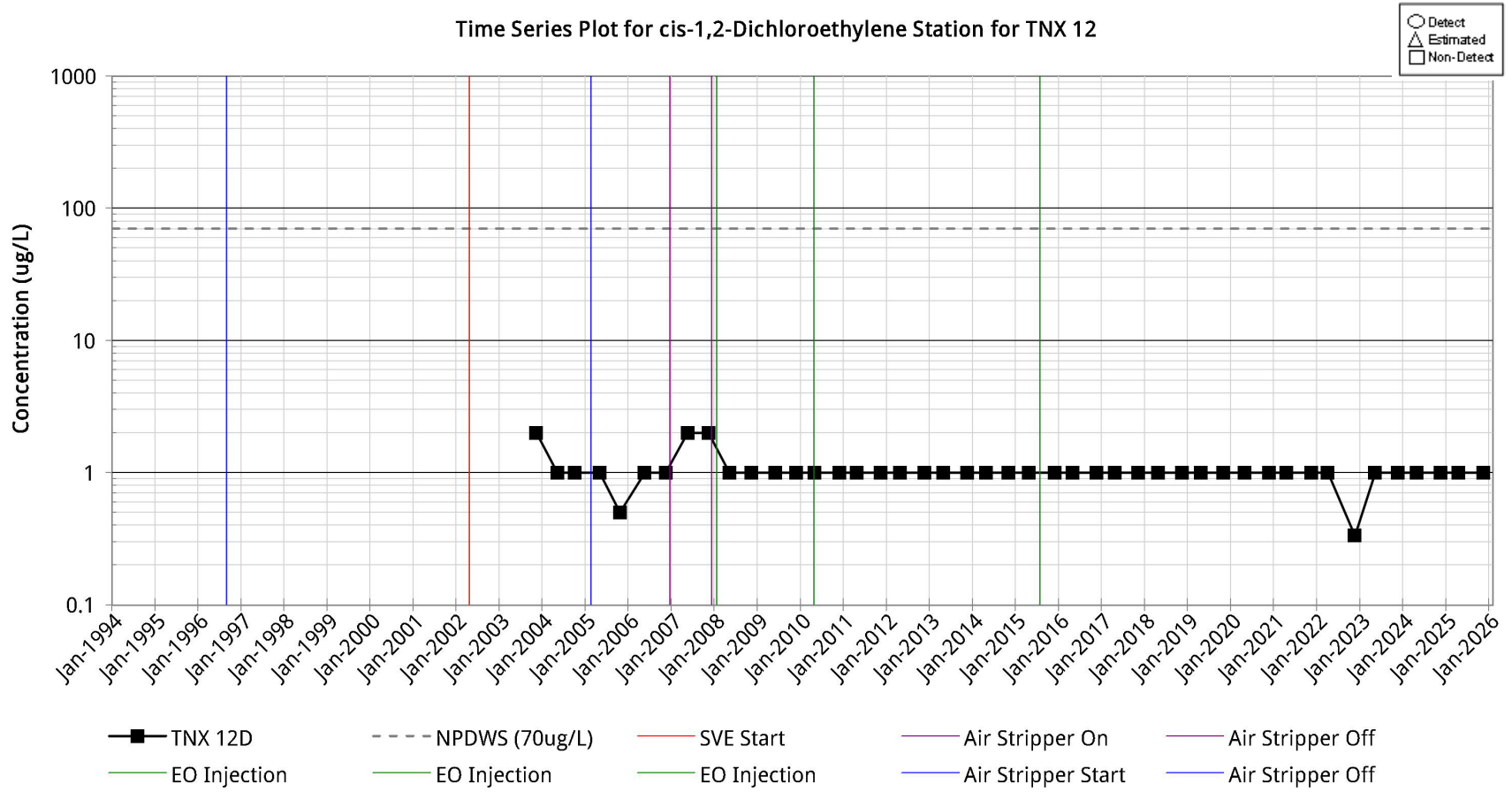
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 11D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 12
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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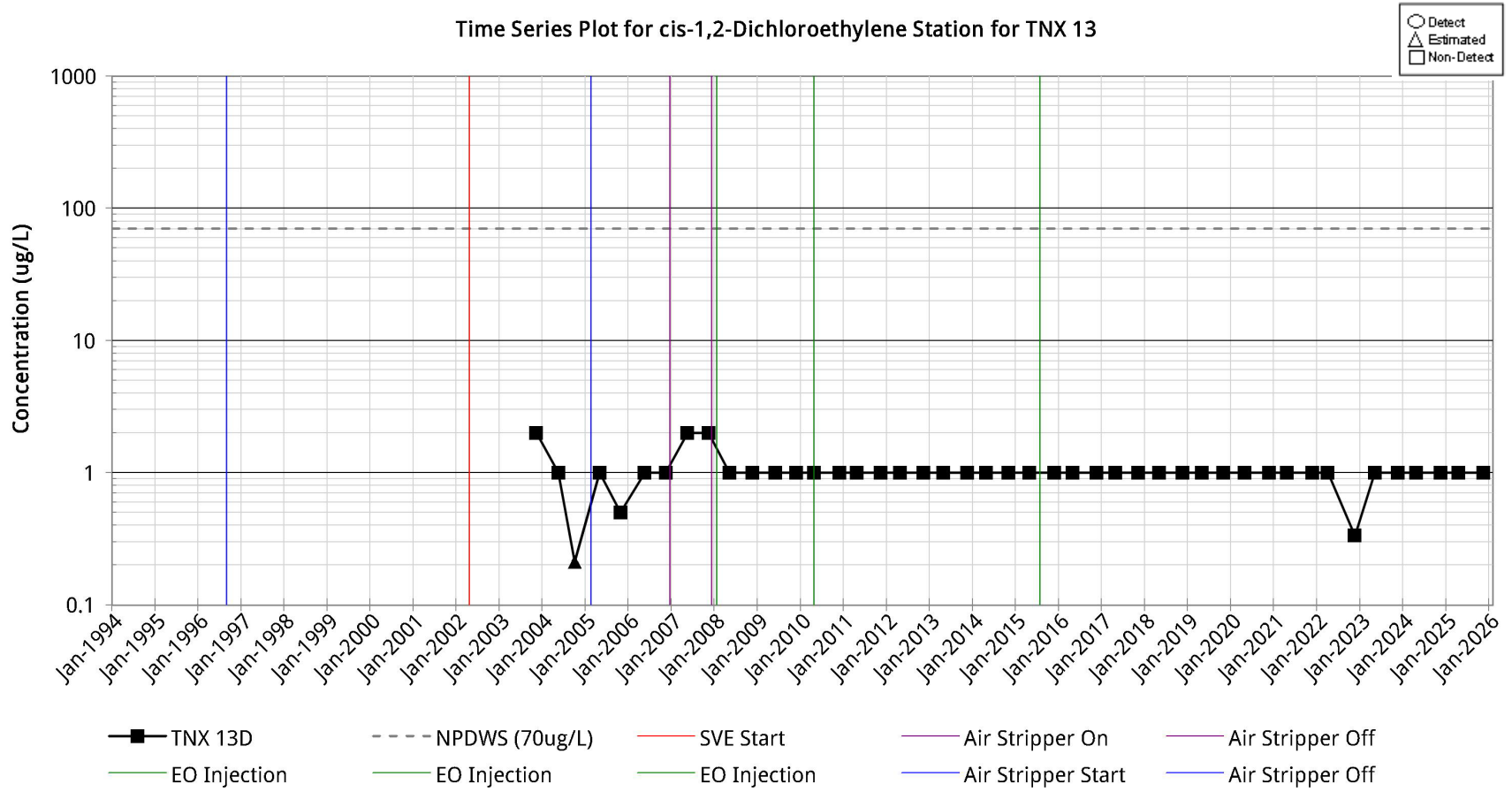
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 12D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 13
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
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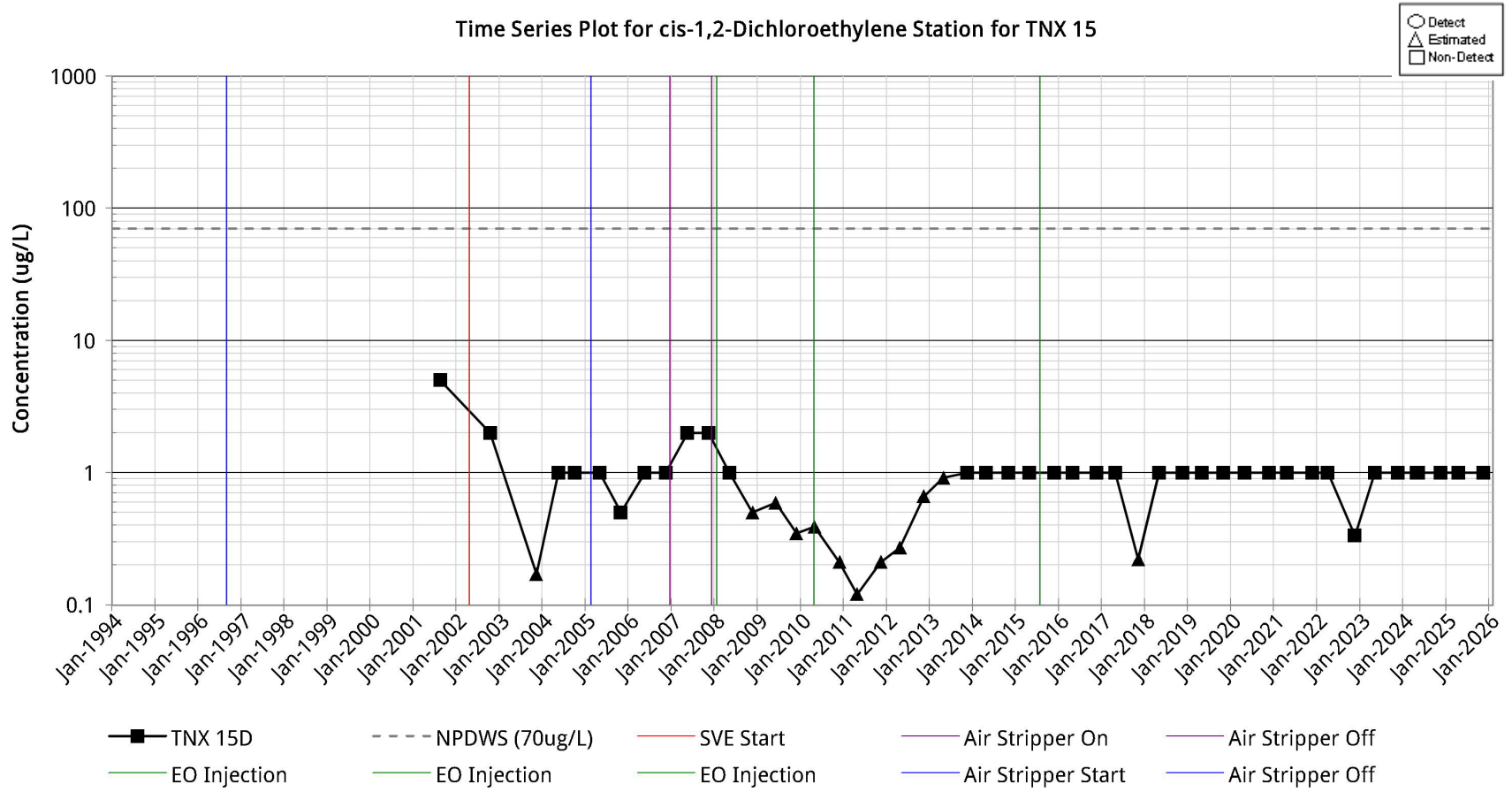
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 13D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 15
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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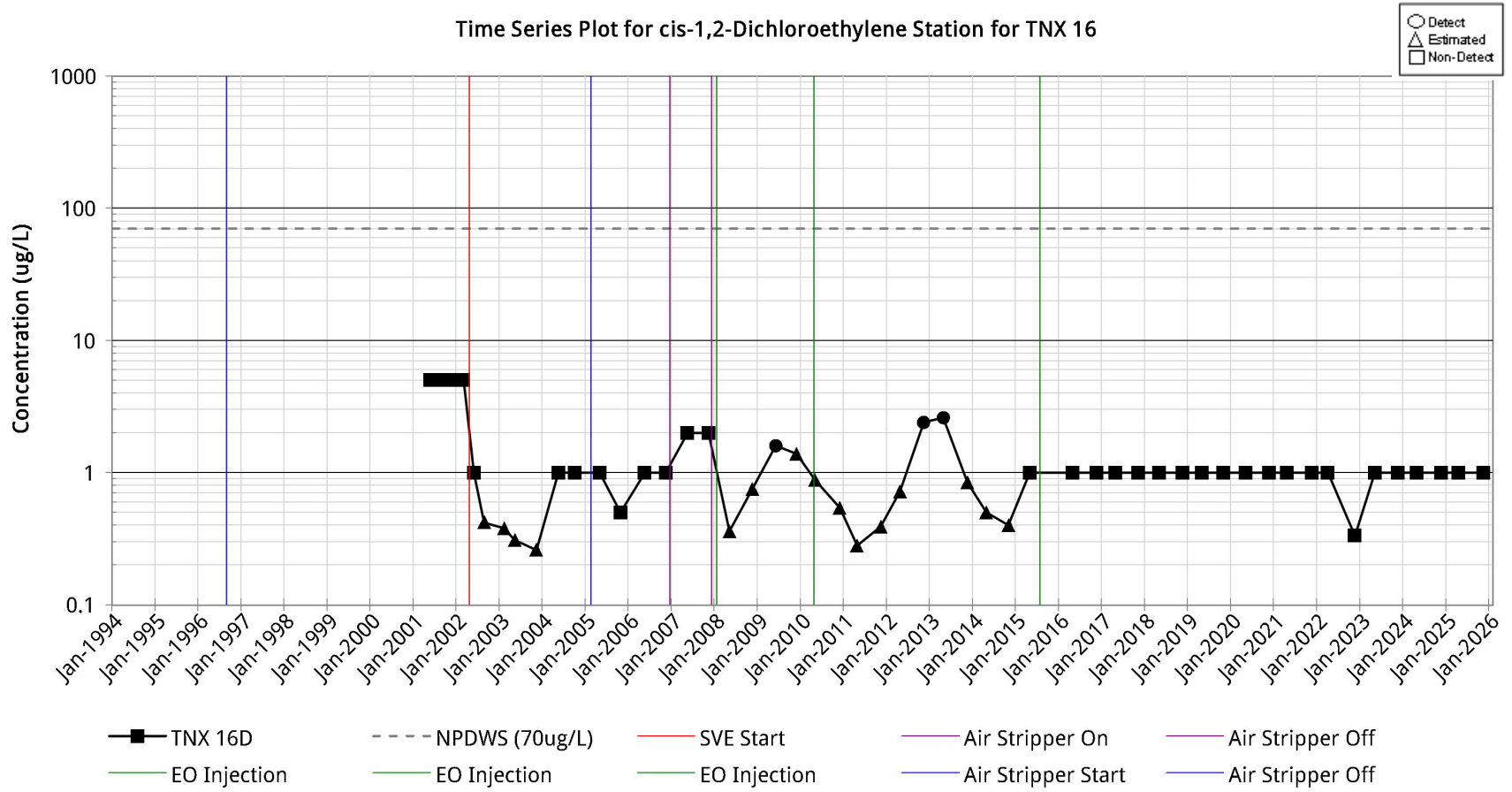
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 15D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 16
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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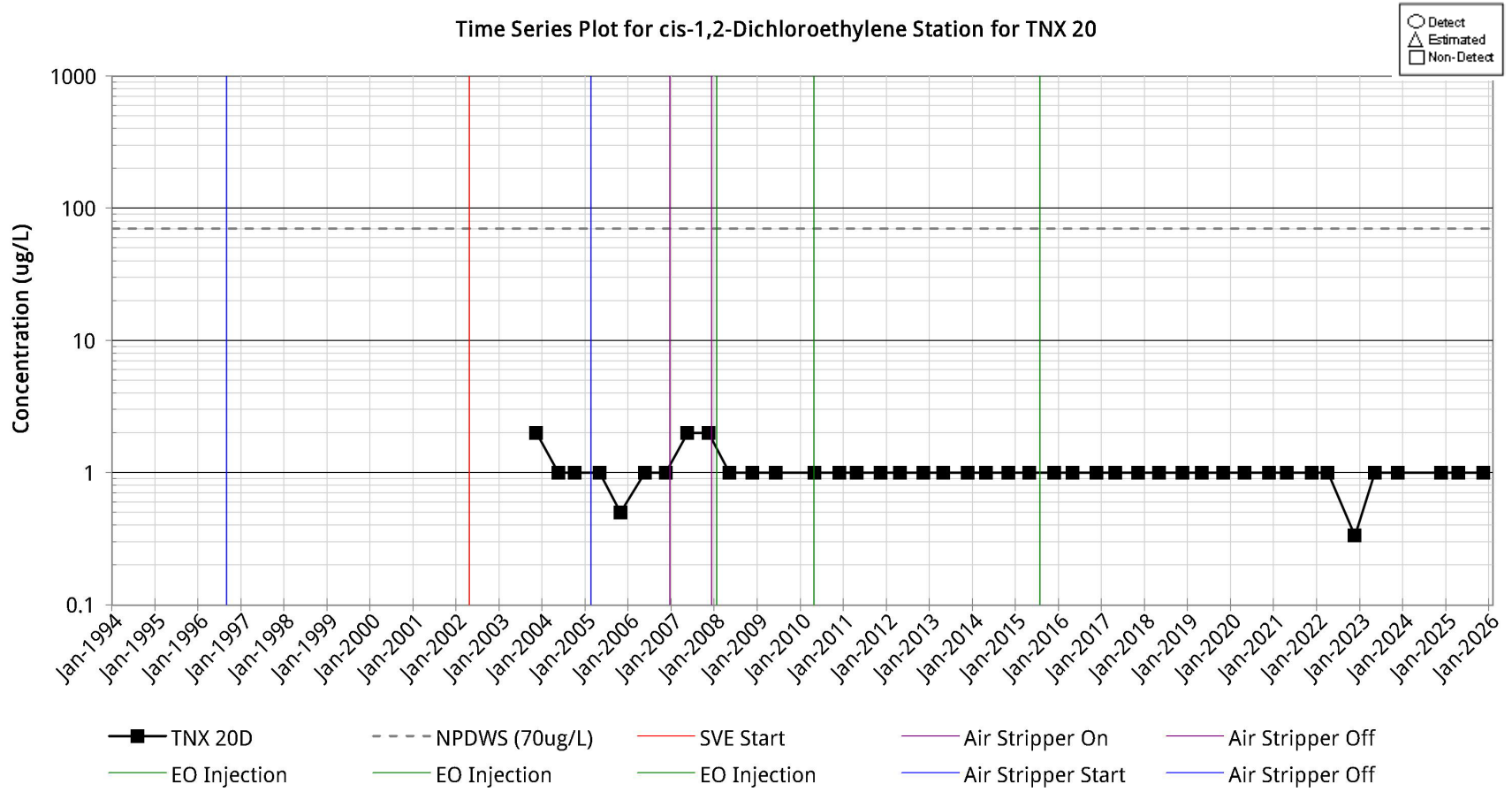
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 16D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 20
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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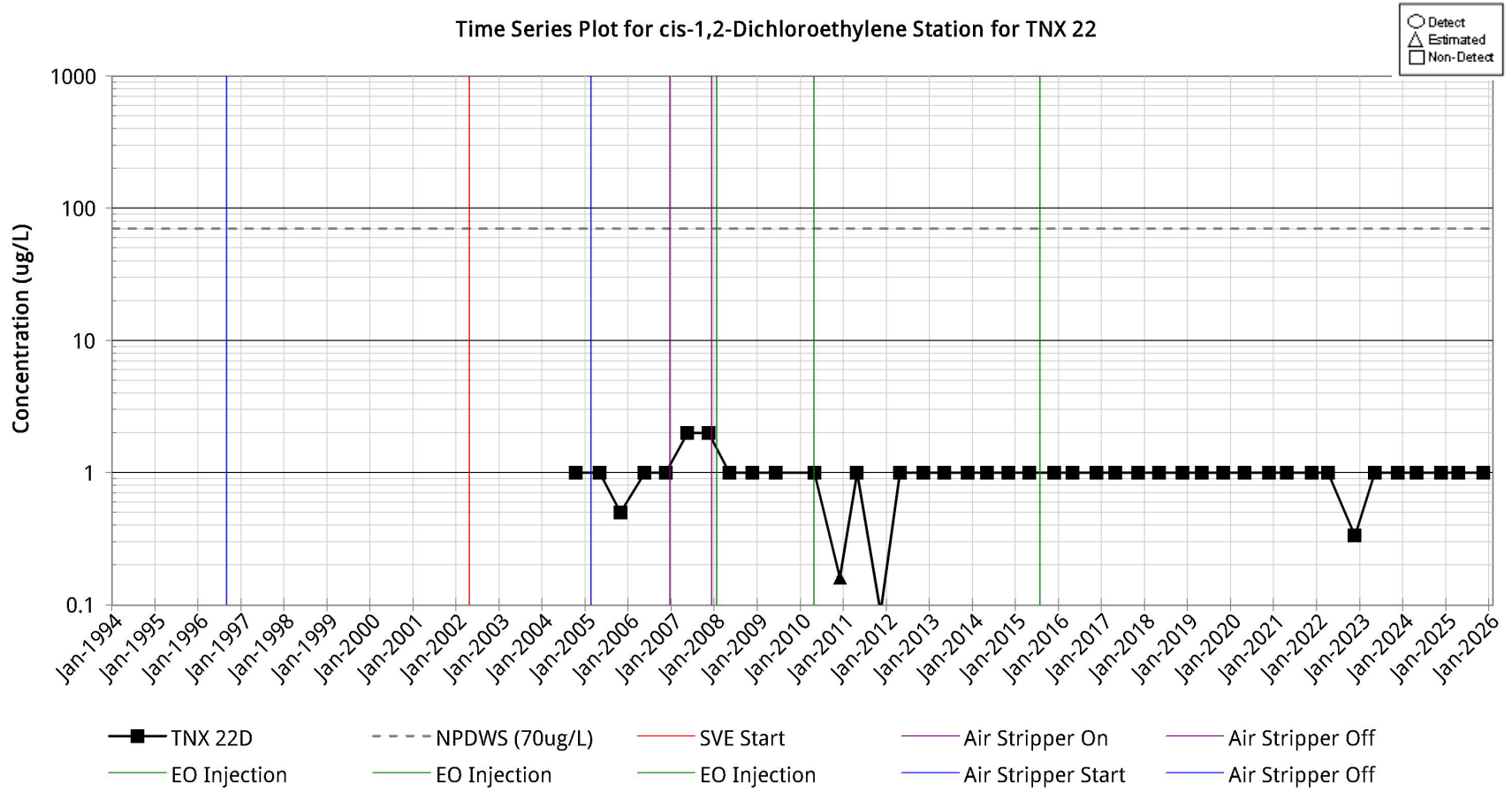
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 20D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 22
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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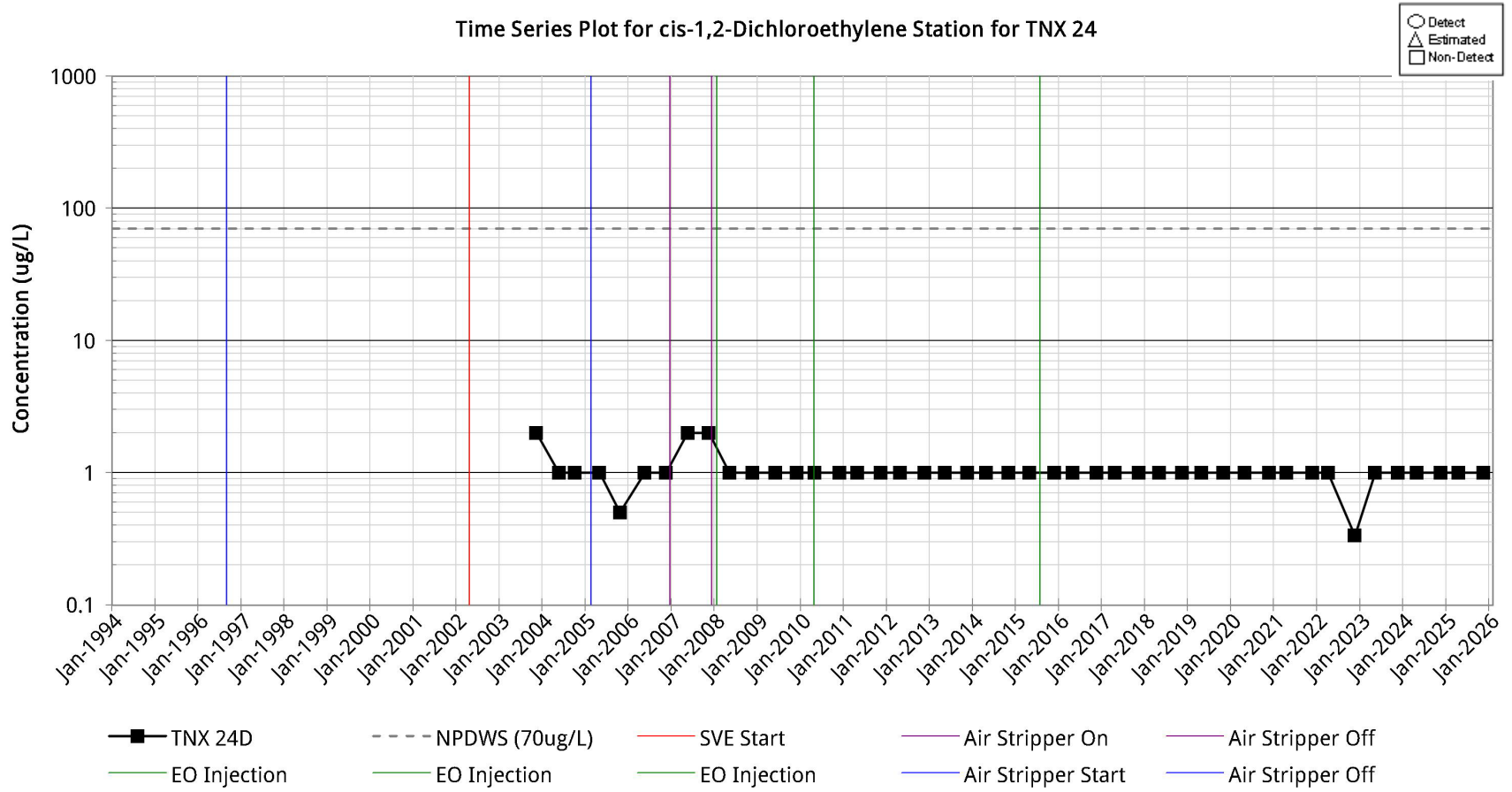
Jan-2026
TNX 22D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 24
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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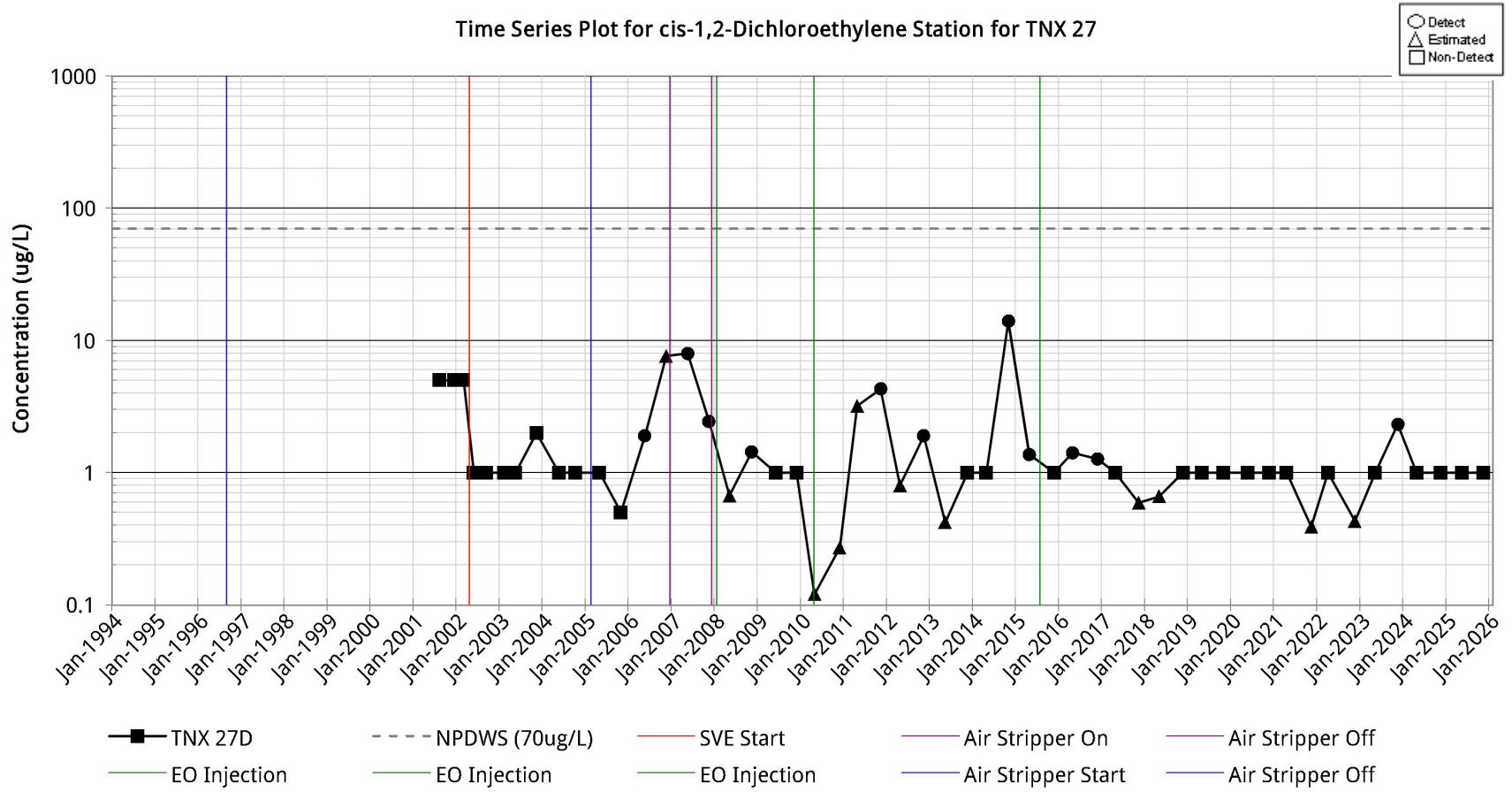
Jan-2025
Jan-2026
TNX 24D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 27
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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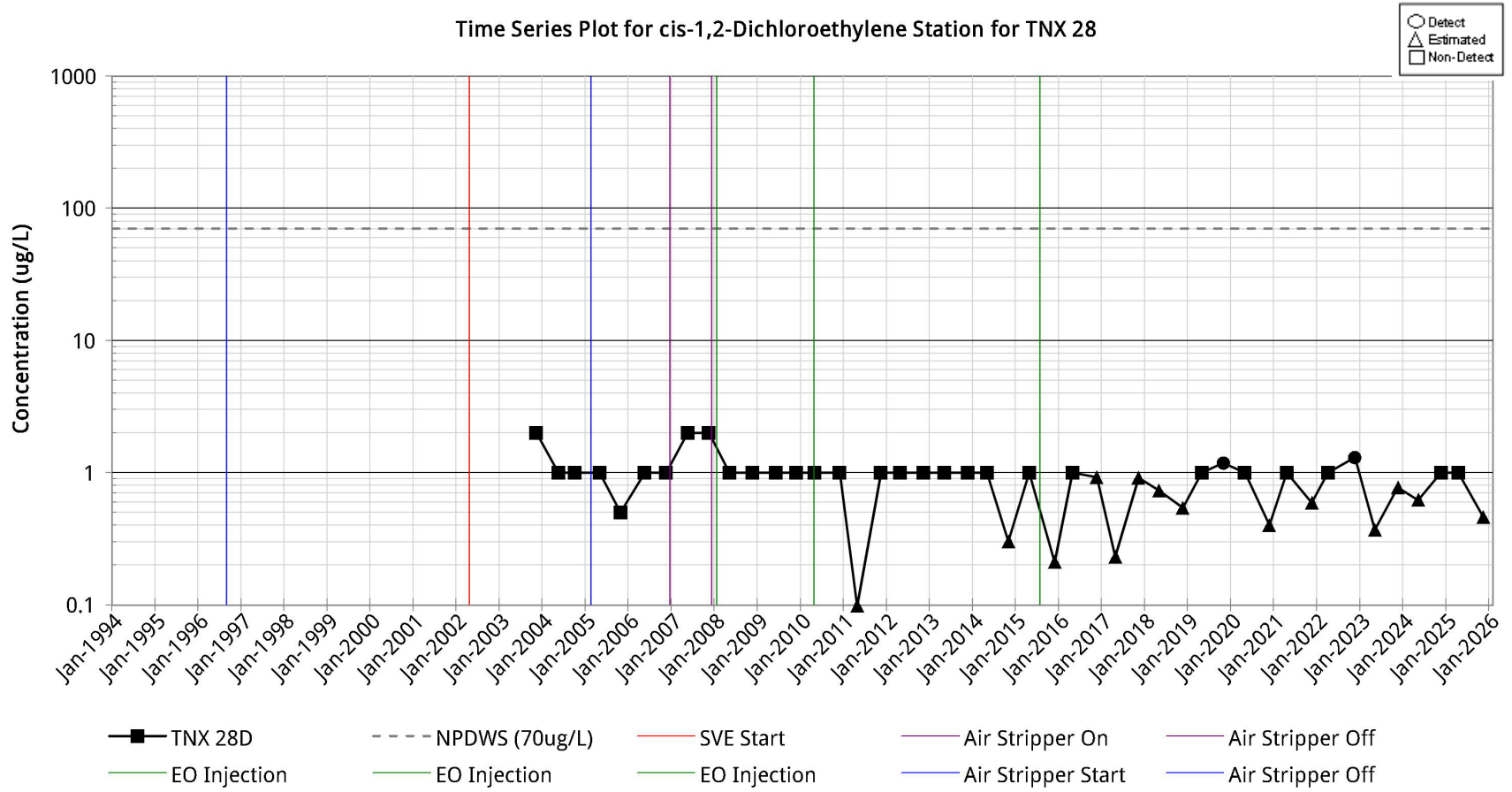
Jan-2025
Jan-2026
TNX 27D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 28
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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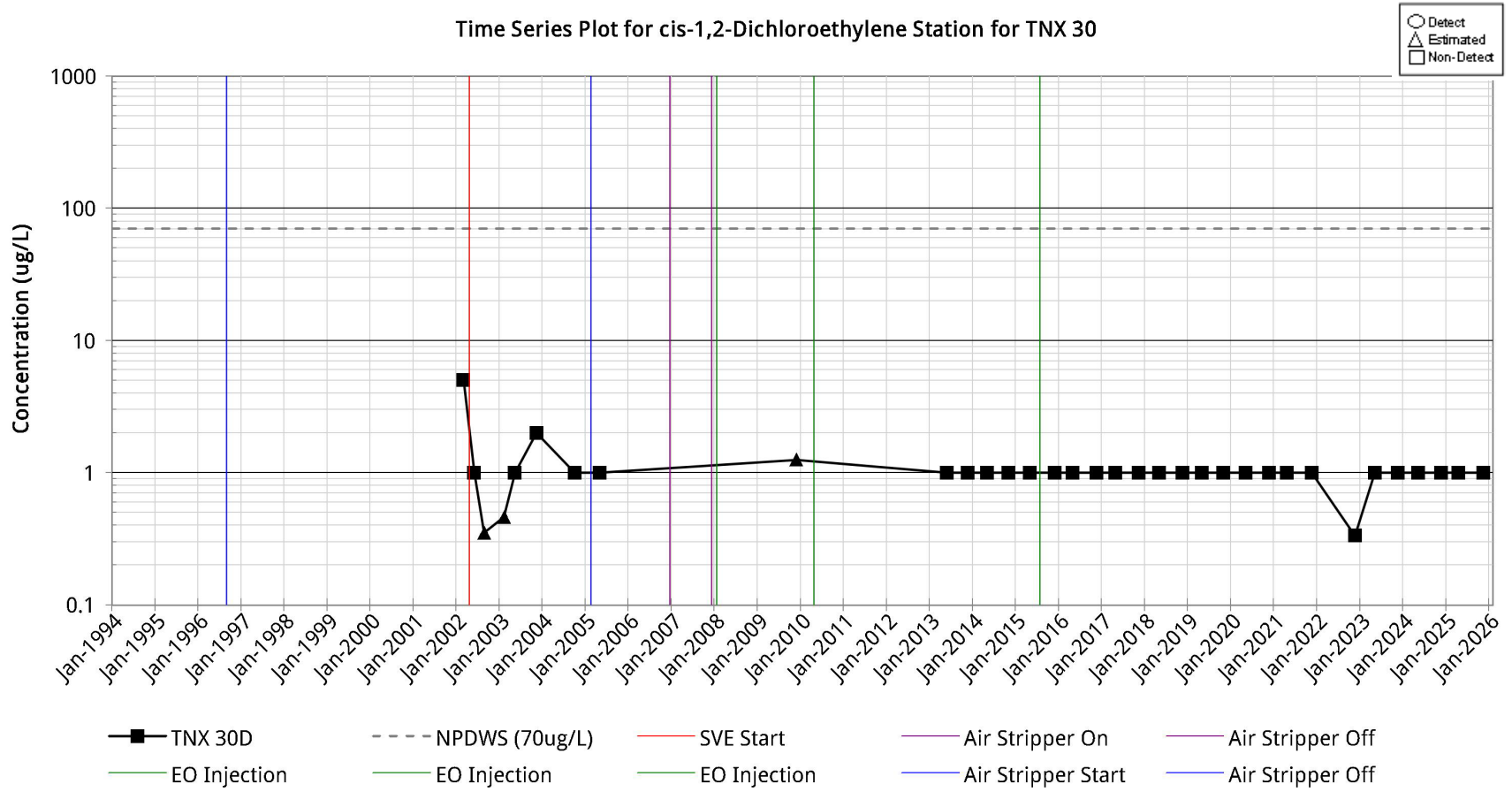
Jan-2025
Jan-2026
TNX 28D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 30
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
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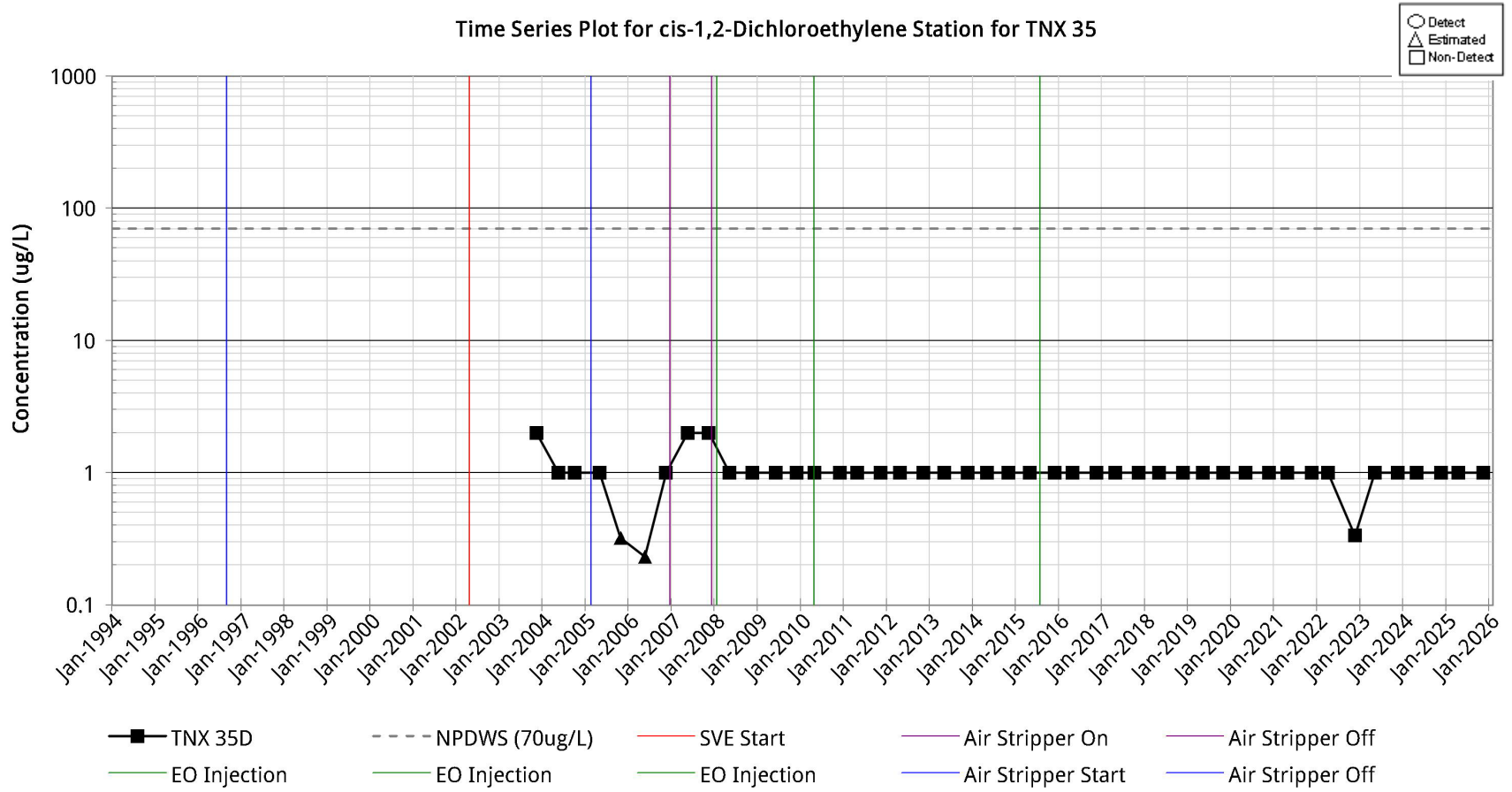
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 30D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 35
Detect
Estimated
Non-Detect
Concentration (ug/L)
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10
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0.1
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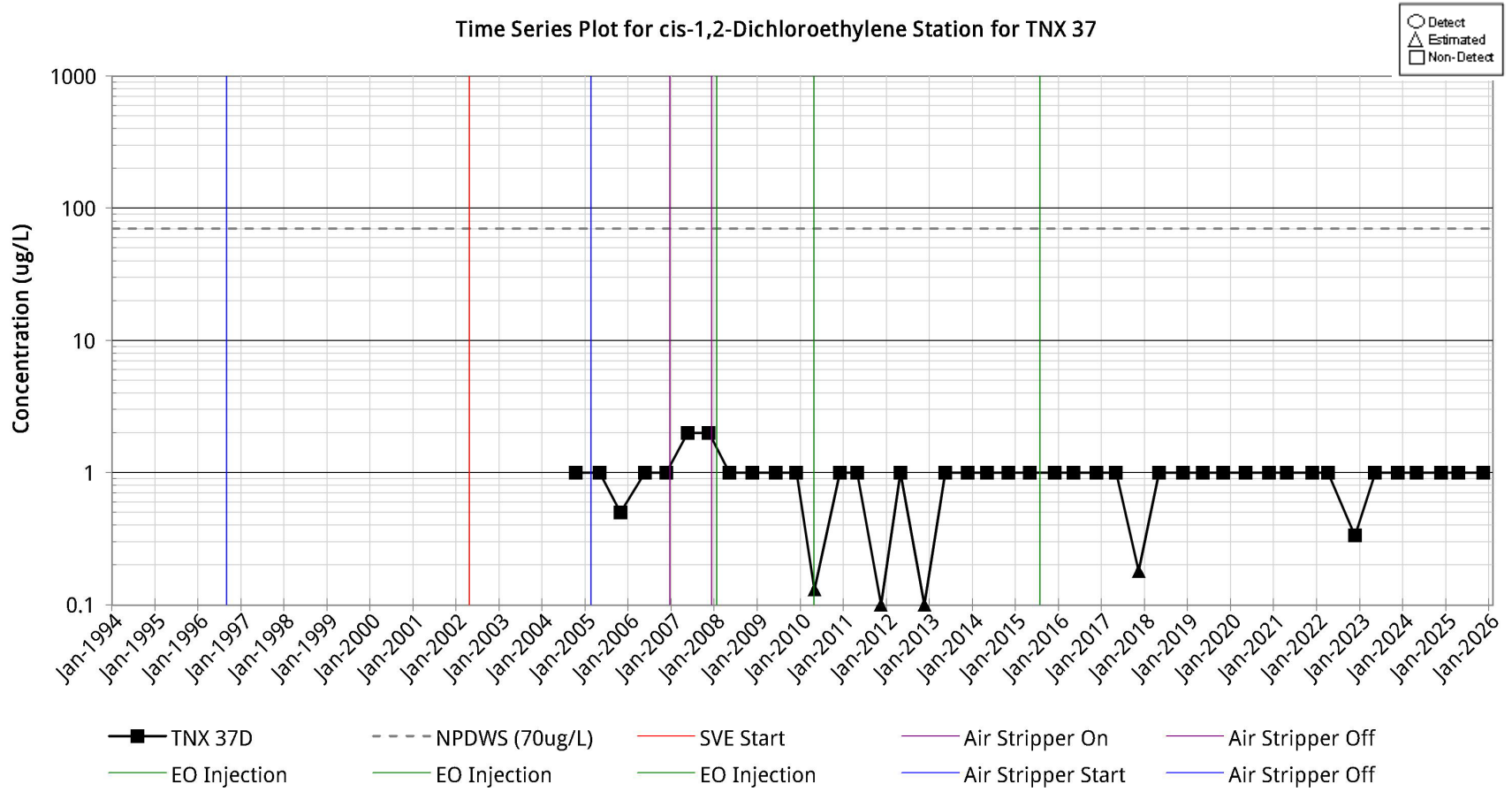
Jan-2026
TNX 35D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 37
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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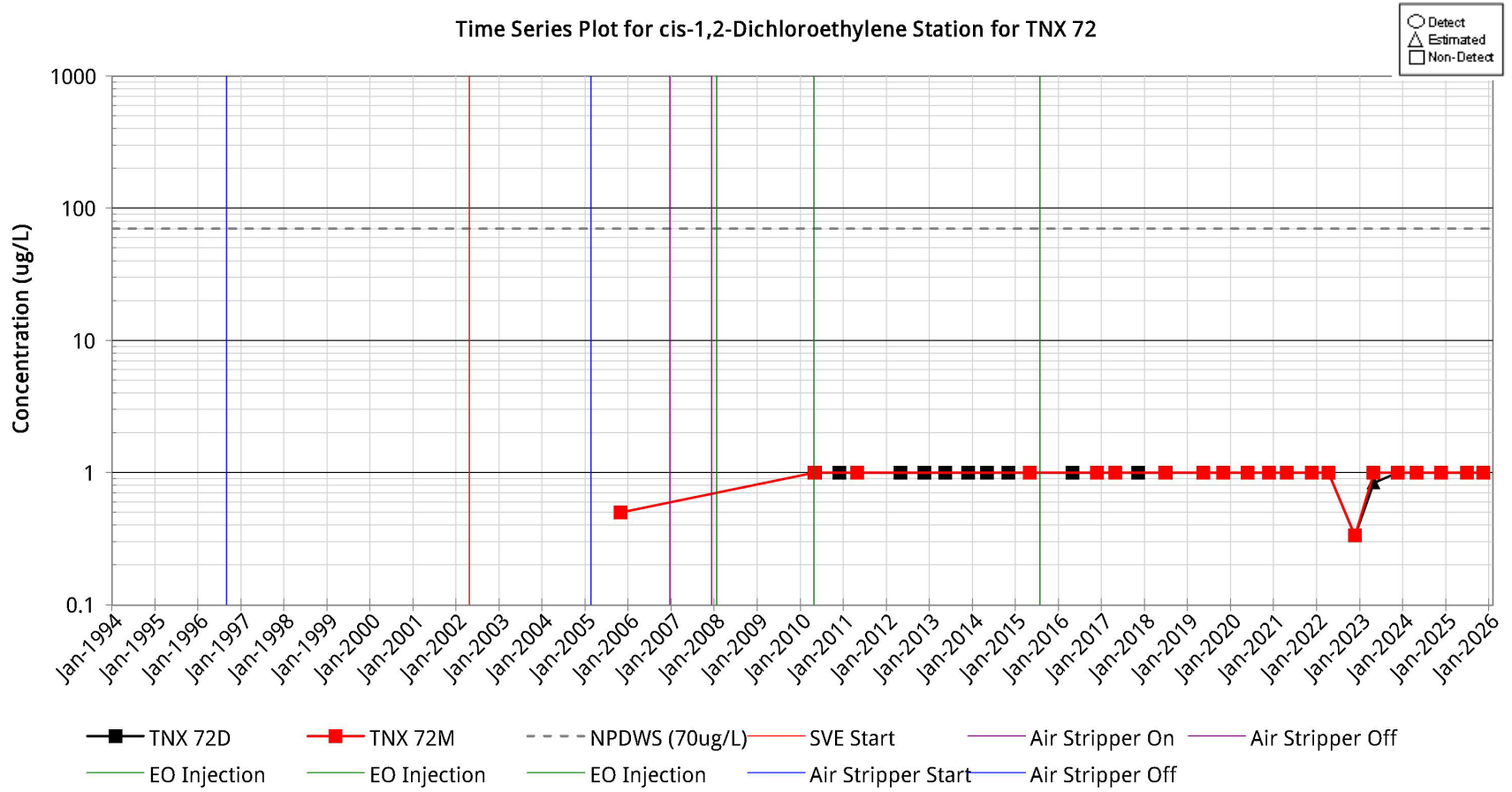
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 37D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX 72
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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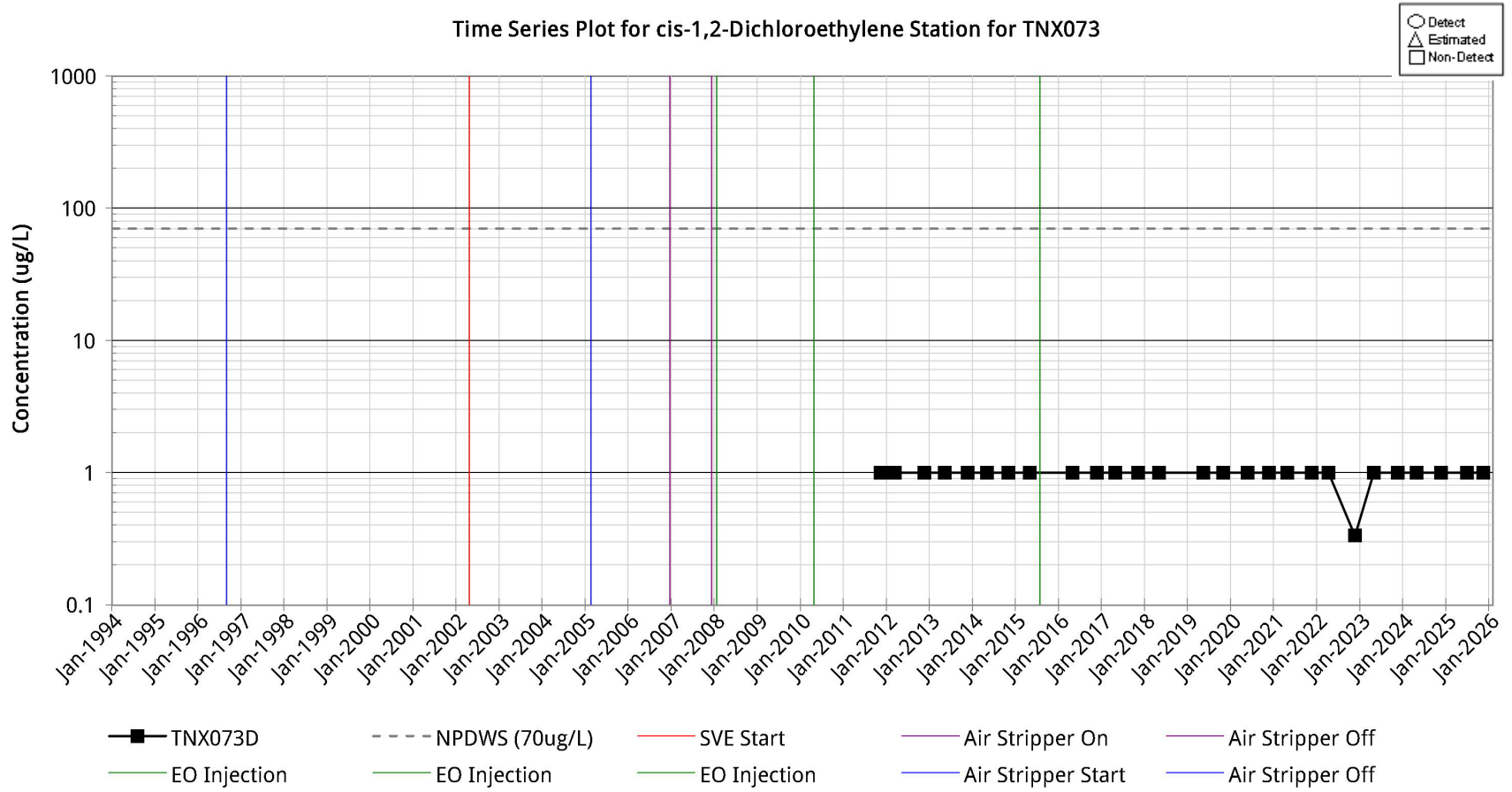
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 72D
TNX 72M
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX073
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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Jan-2002
Jan-2003
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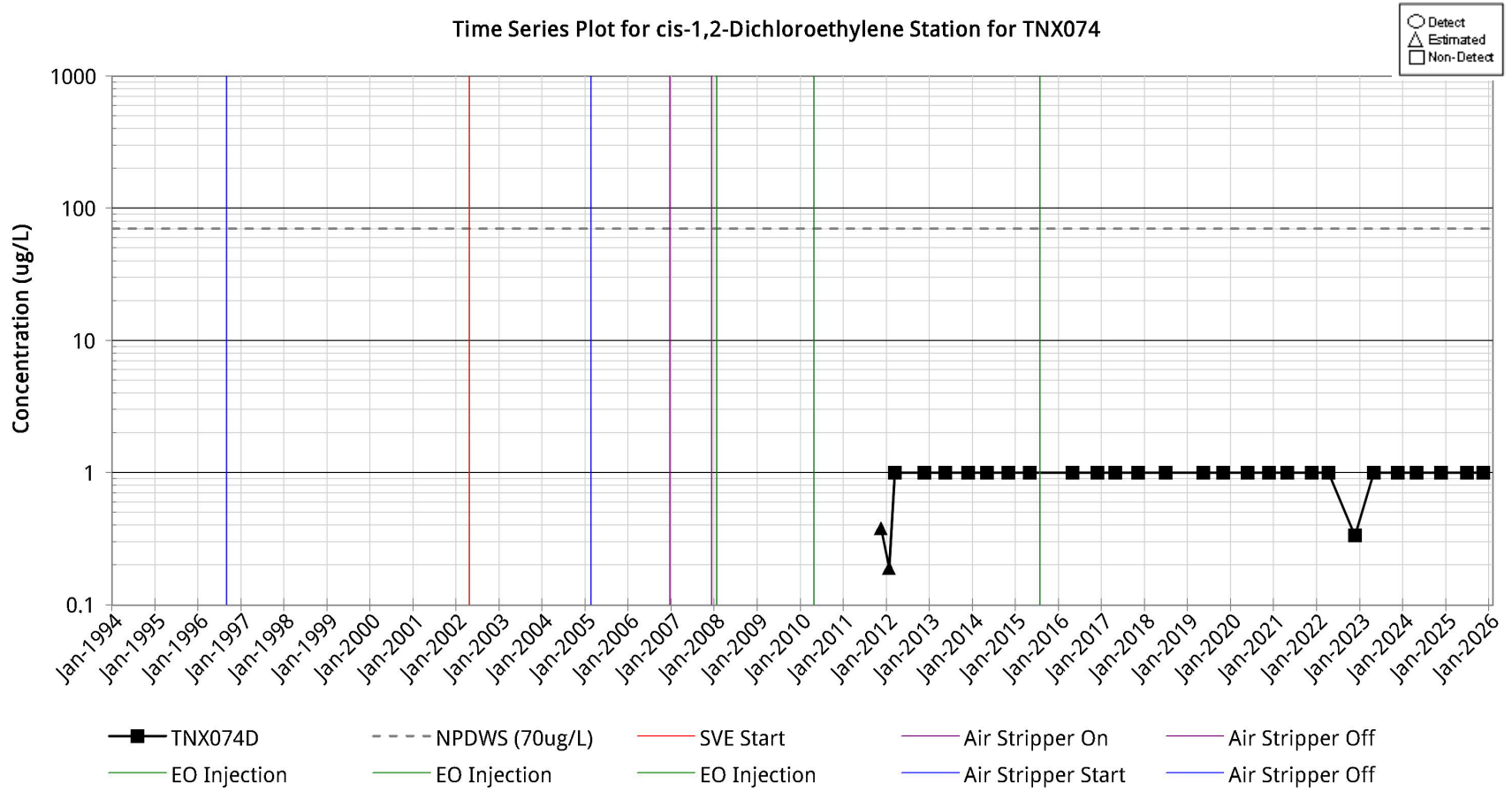
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX073D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX074
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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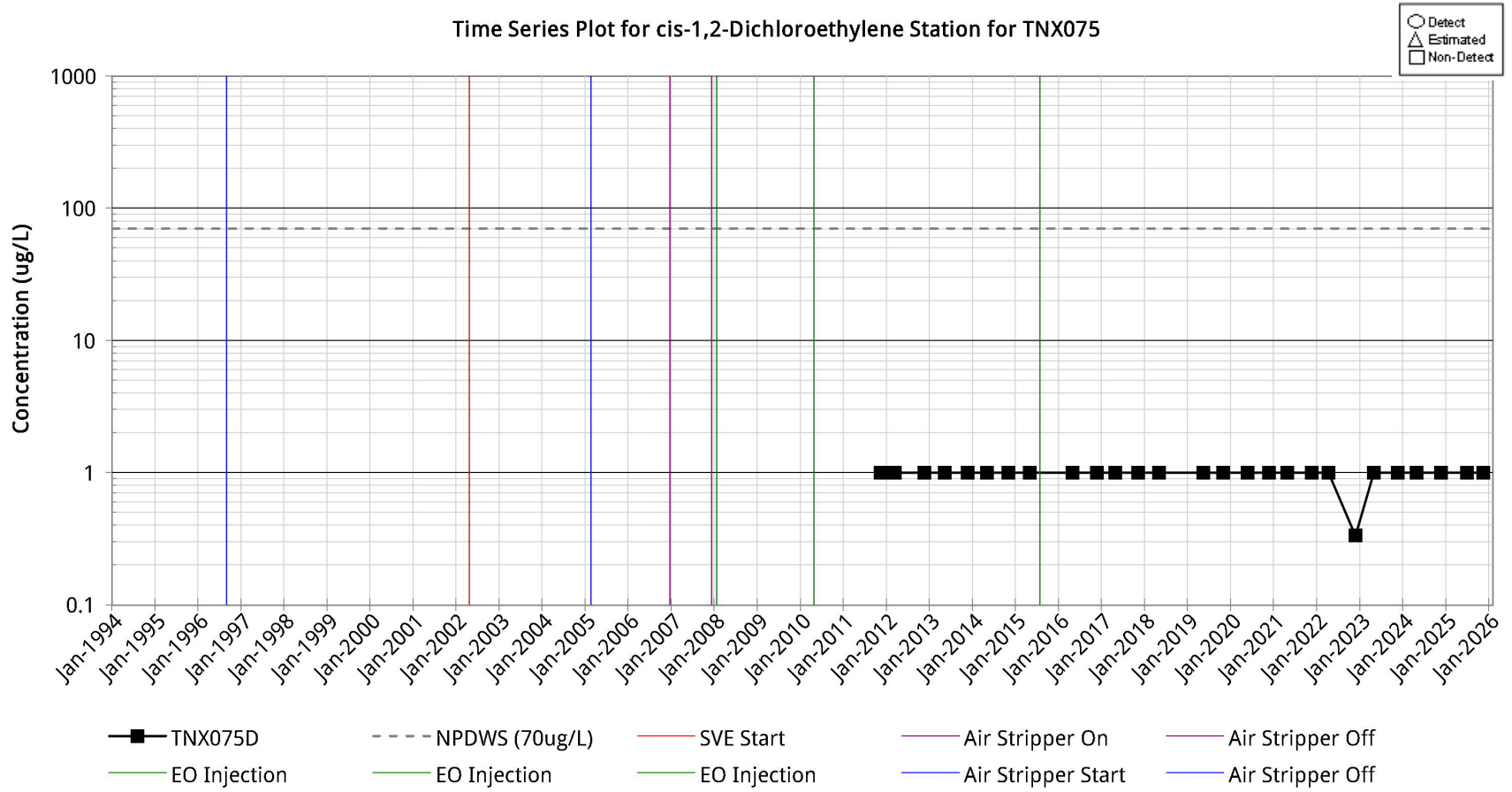
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX074D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX075
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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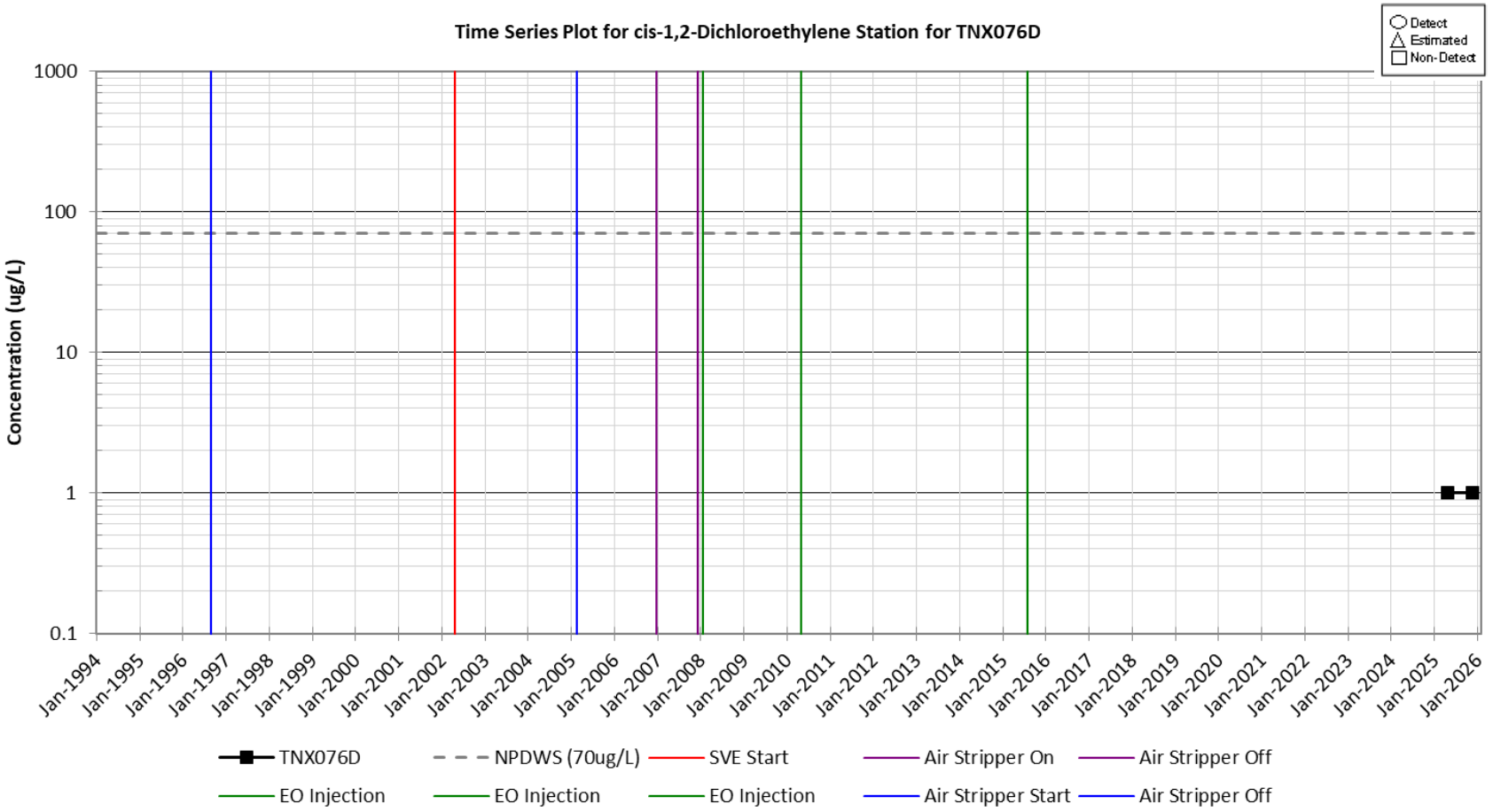
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX075D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TNX076D
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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Jan-2001
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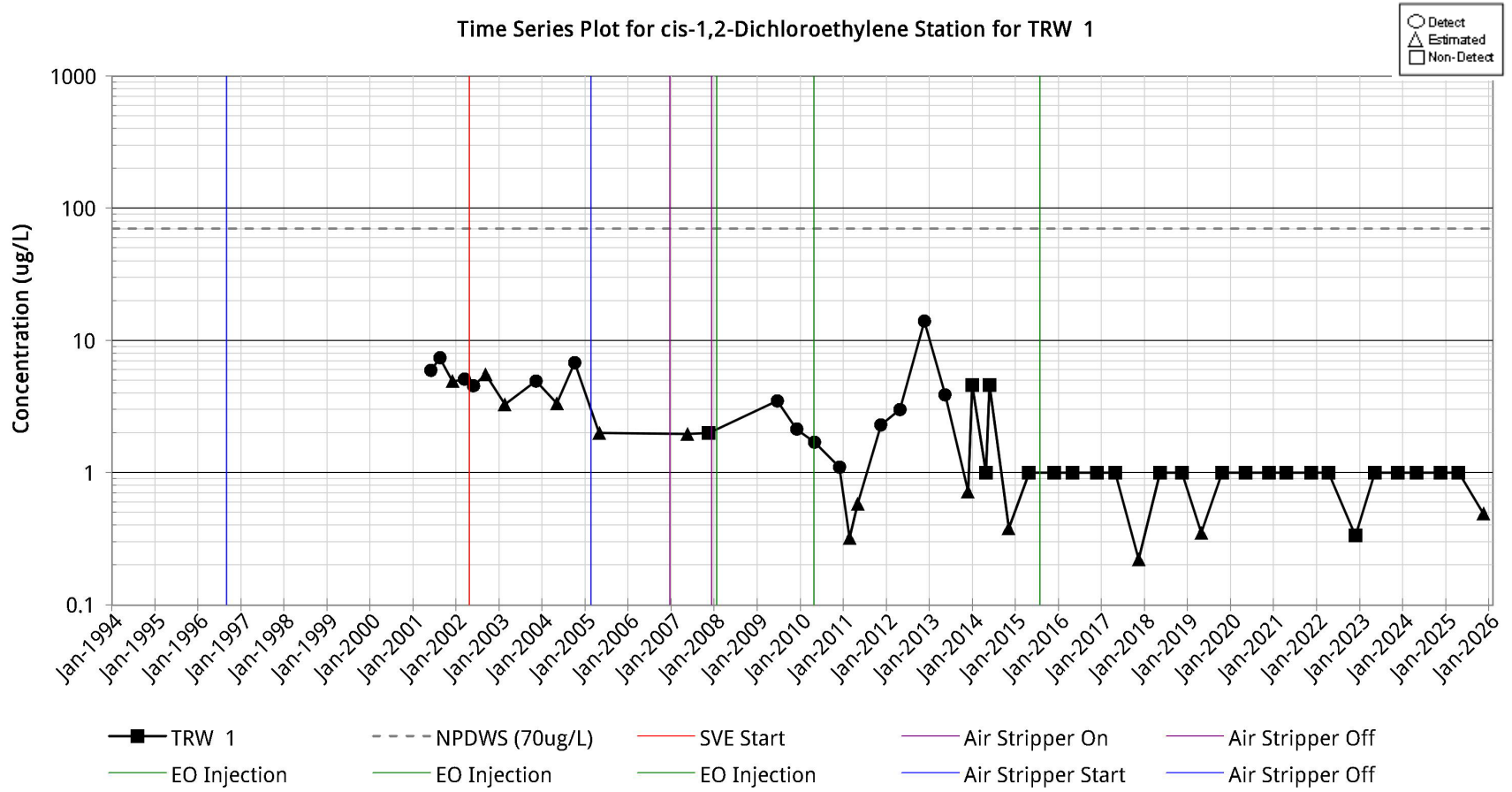
Jan-2024
Jan-2025
Jan-2026
TNX076D
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TRW 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
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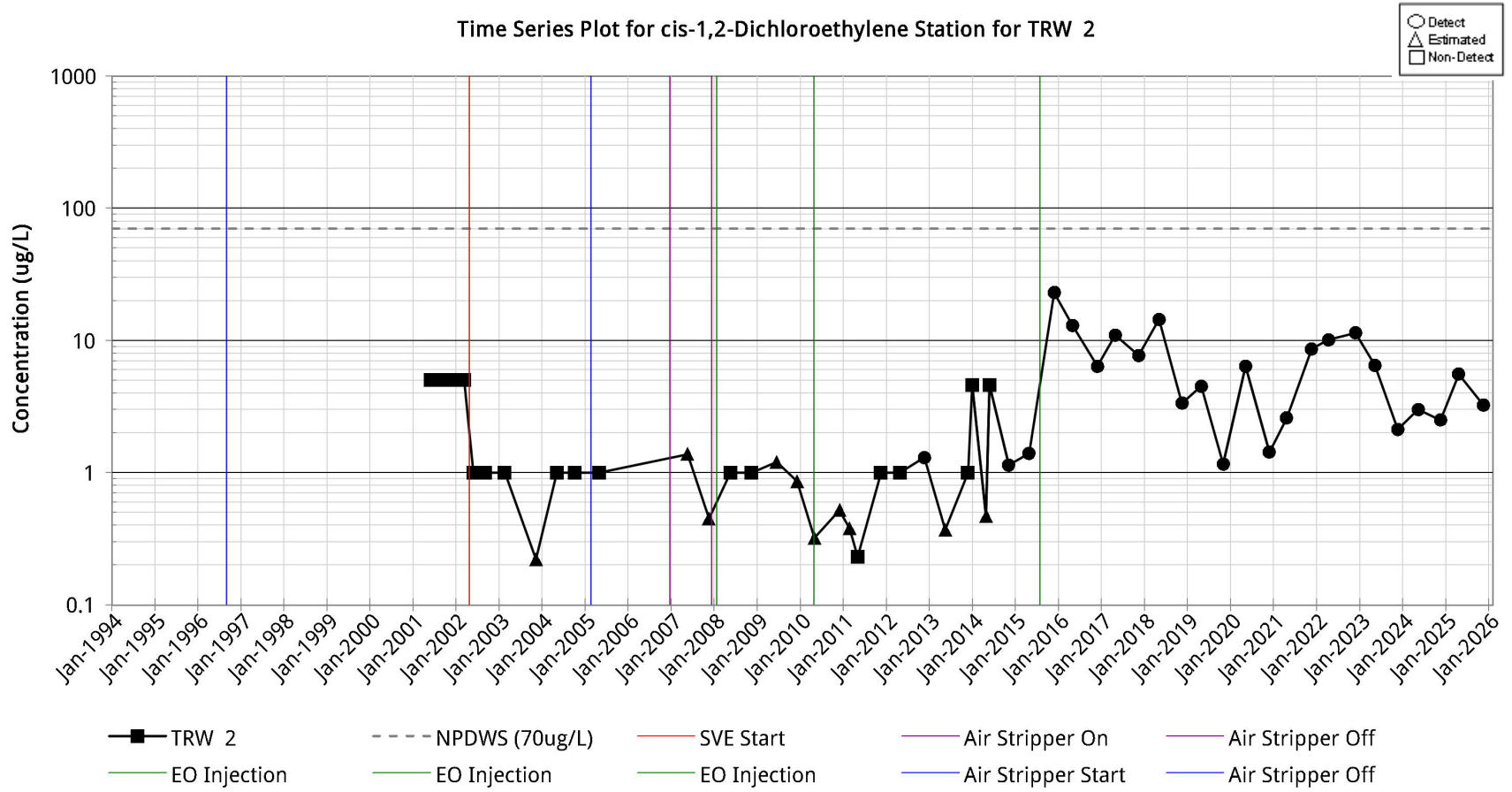
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 1
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TRW 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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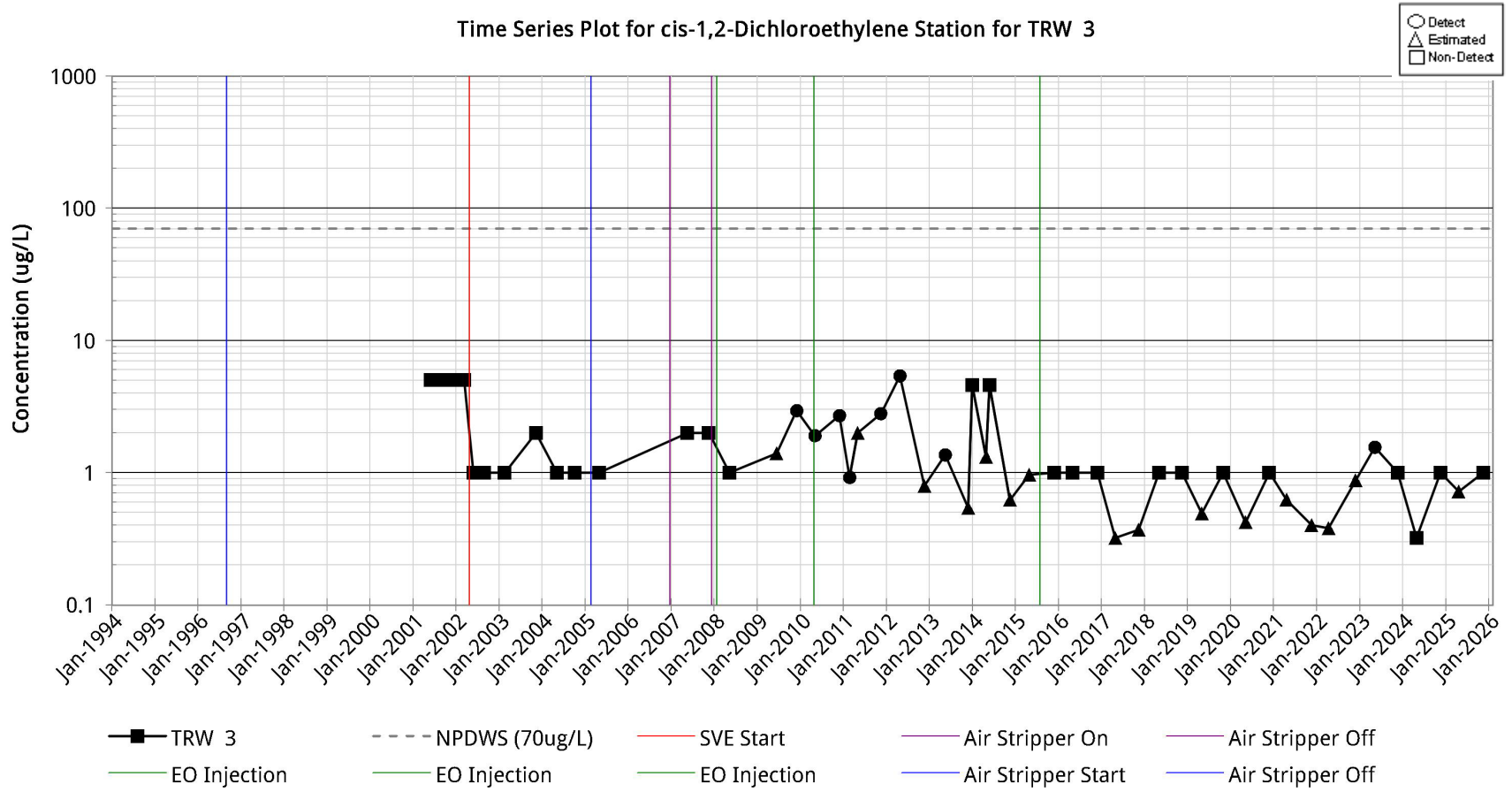
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 2
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TRW 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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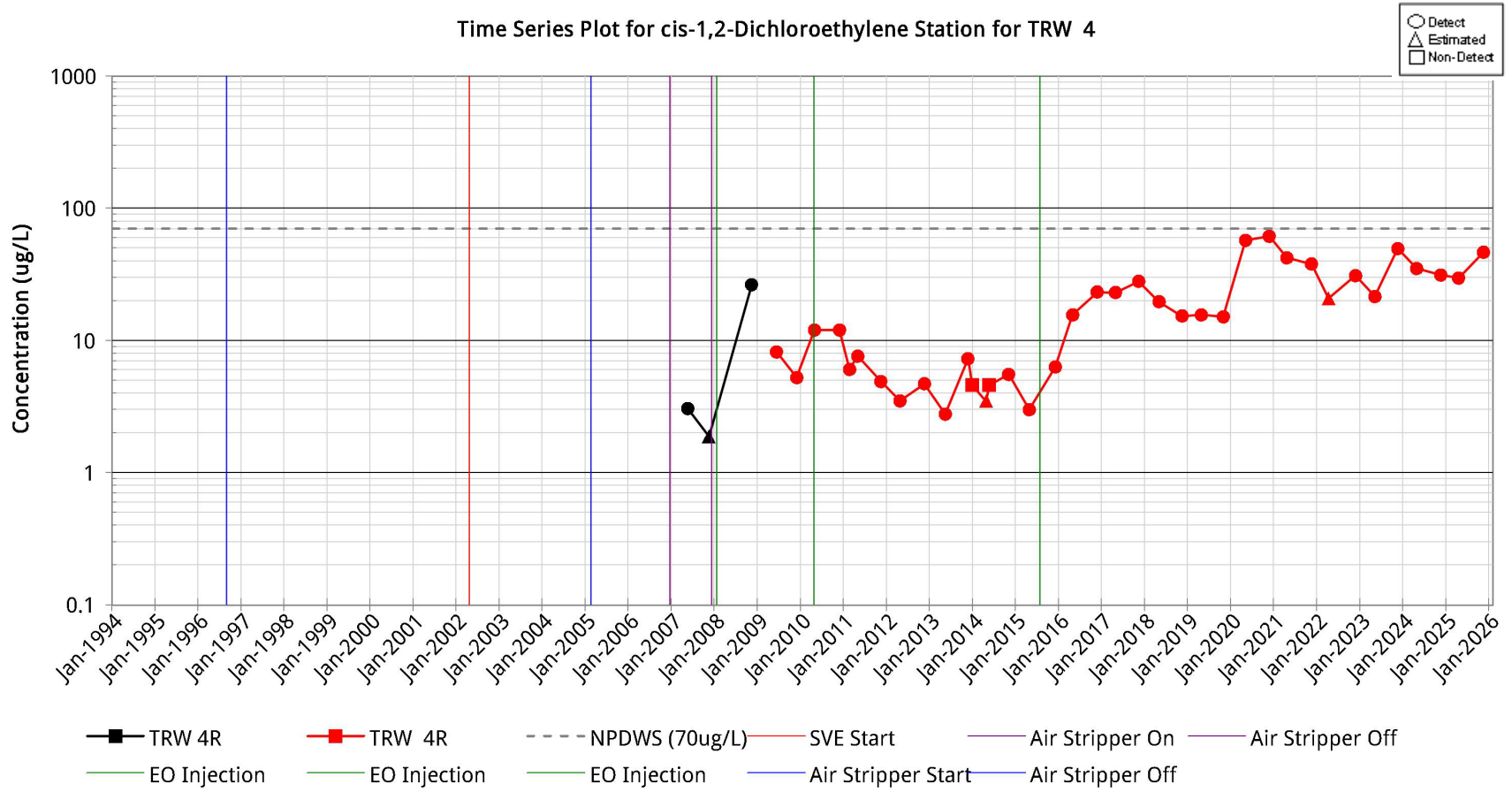
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 3
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TRW 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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Jan-2003
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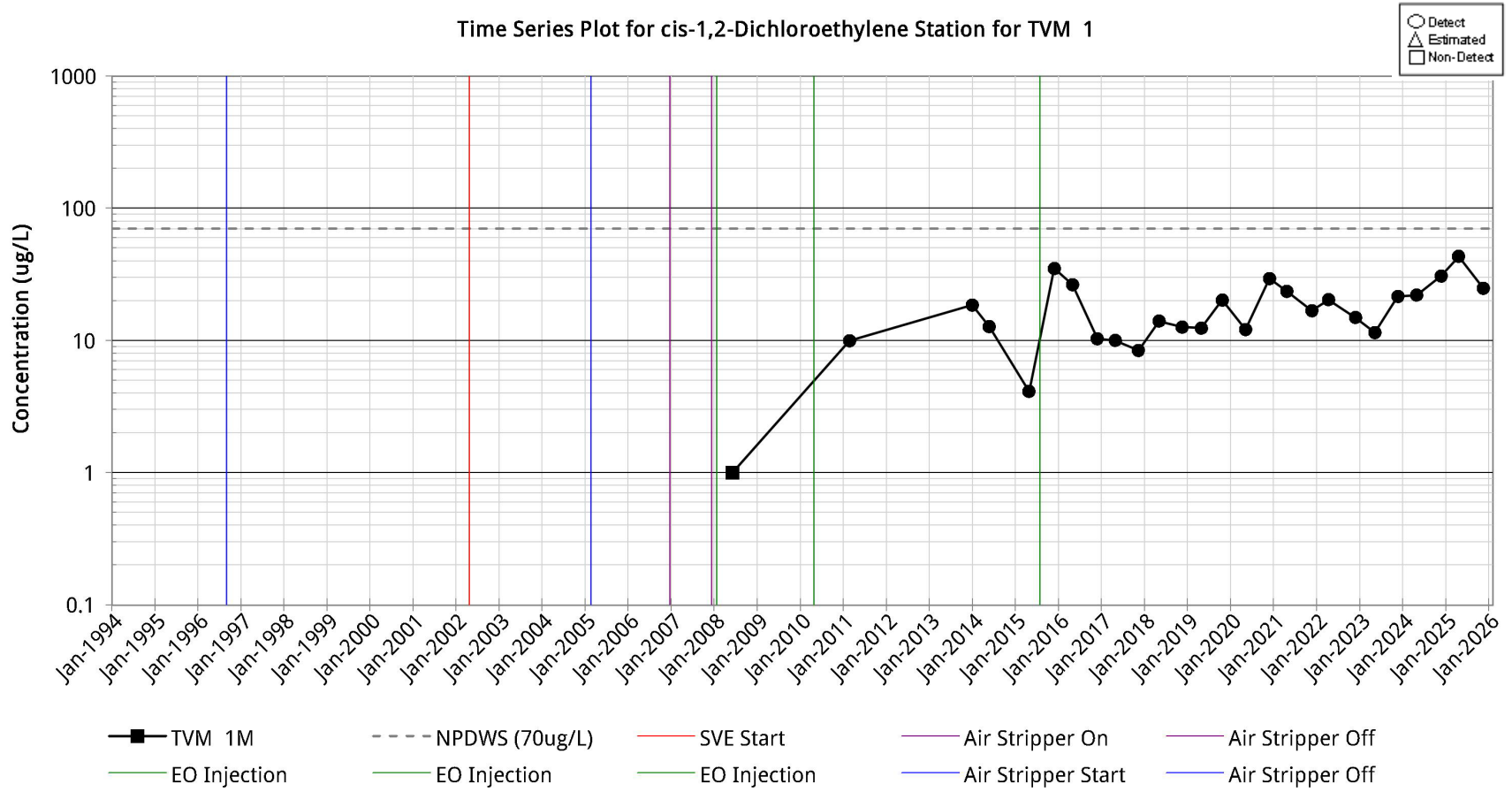
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 4R
TRW 4R
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TVM 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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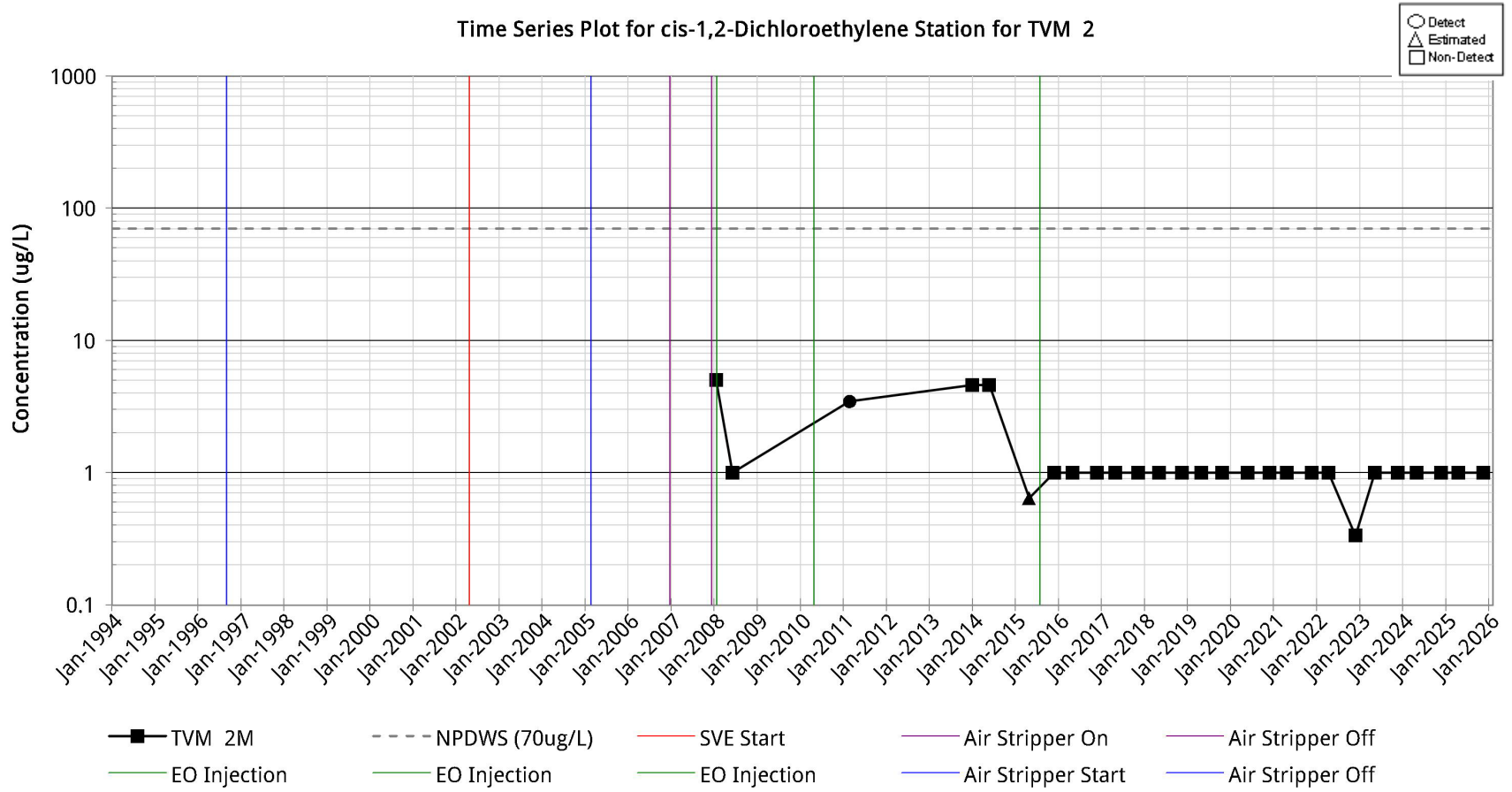
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 1M
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TVM 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
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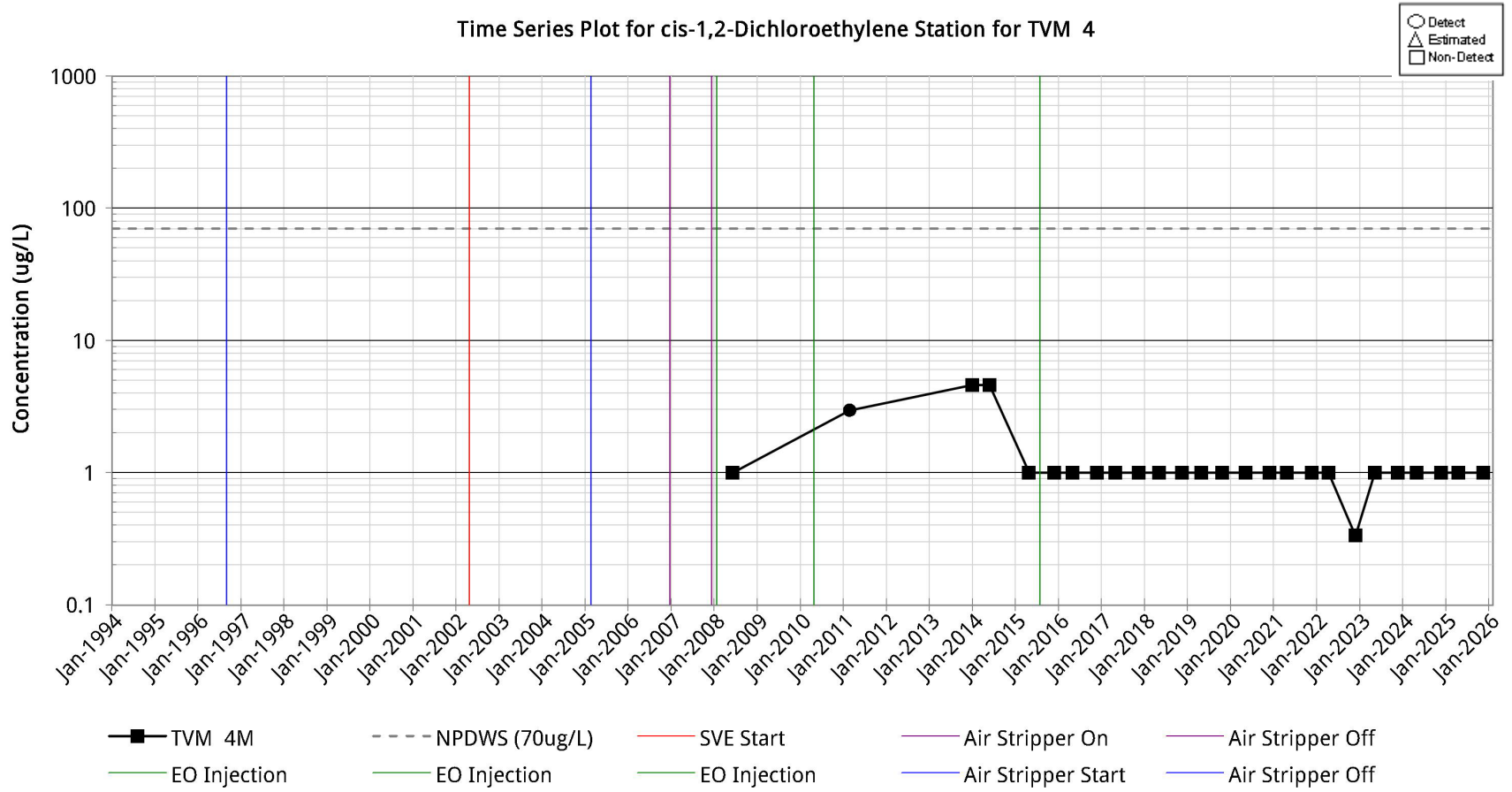
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 2M
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TVM 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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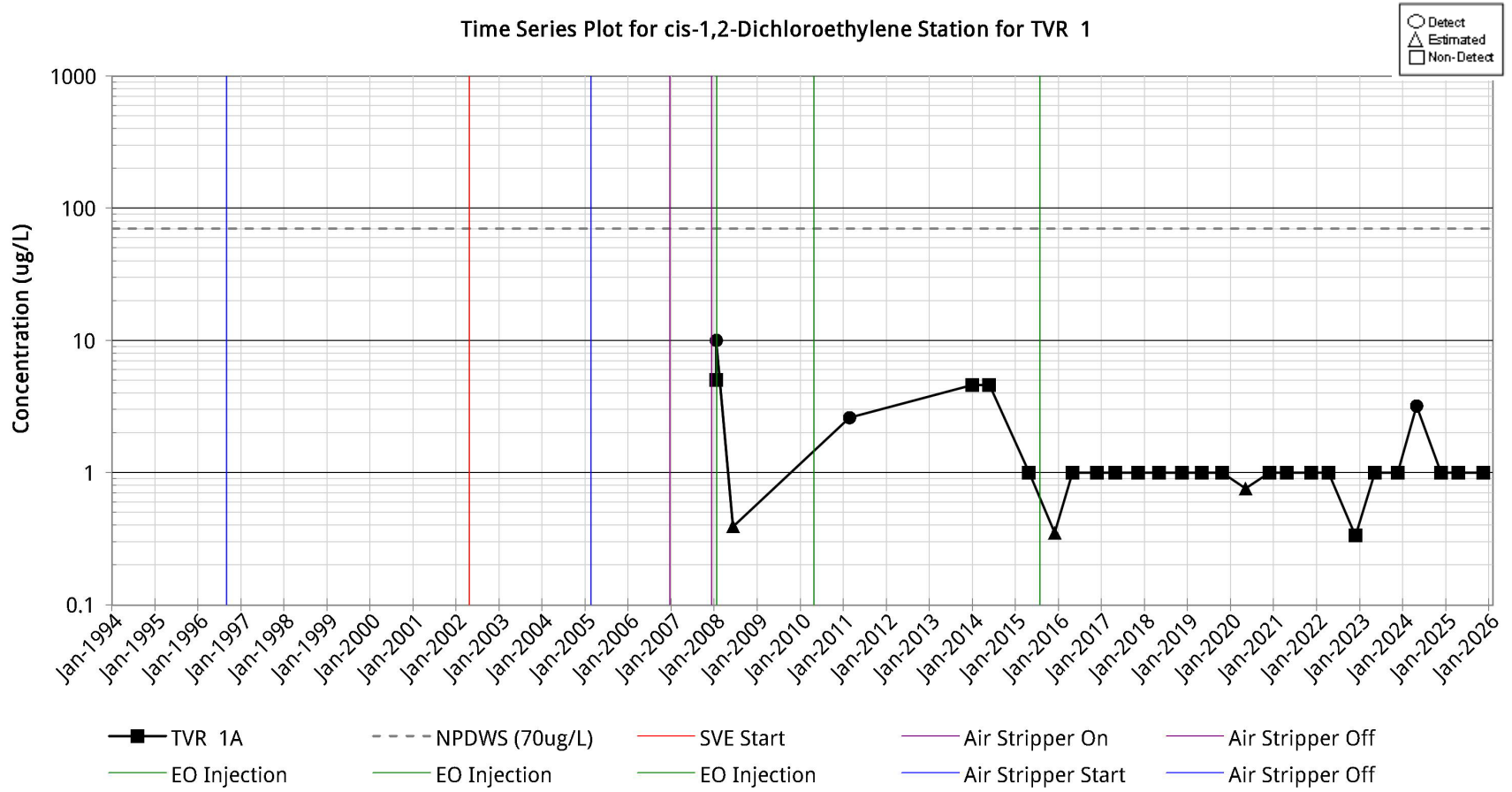
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 4M
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for TVR 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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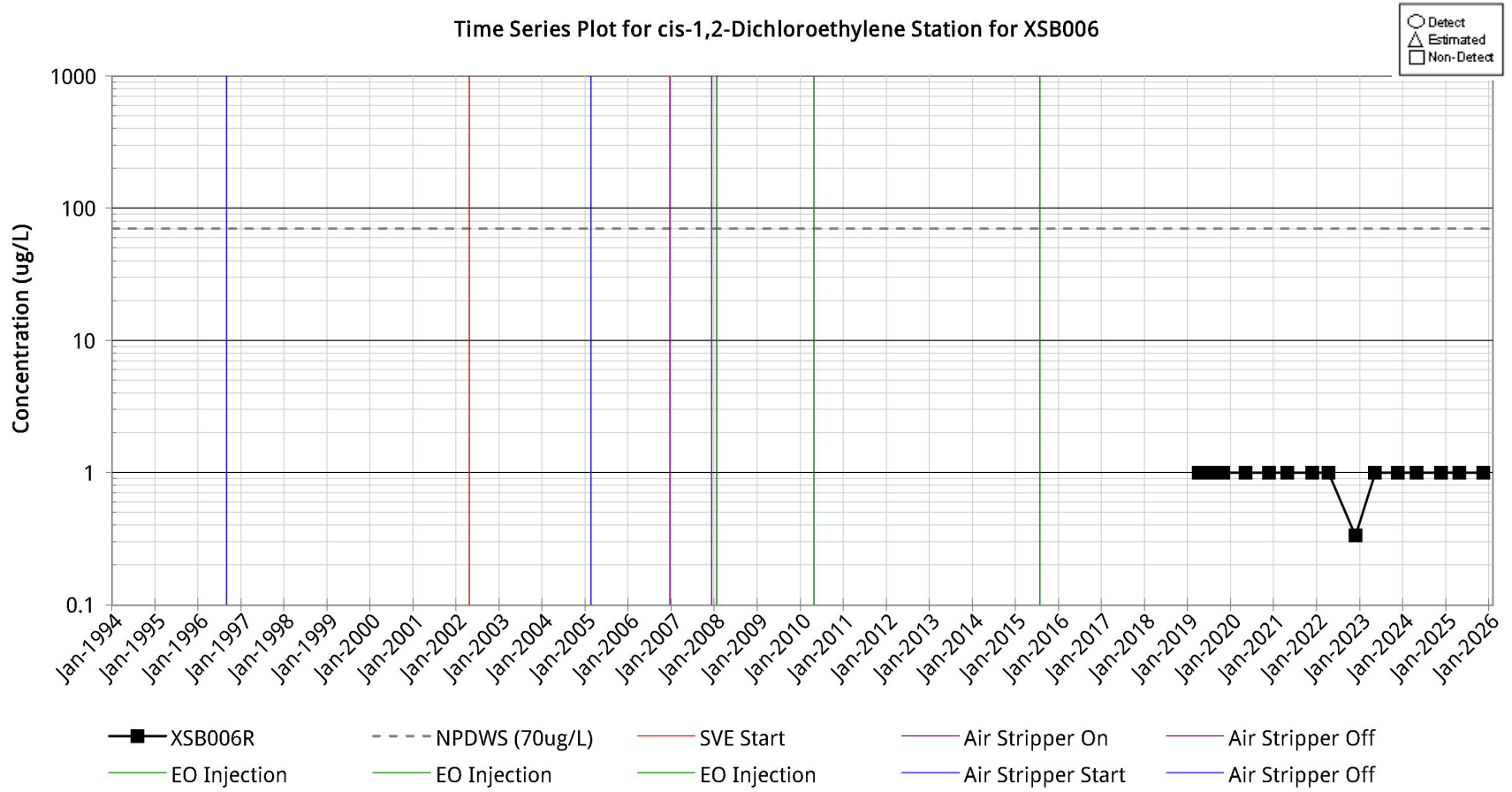
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVR 1A
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for cis-1,2-Dichloroethylene Station for XSB006
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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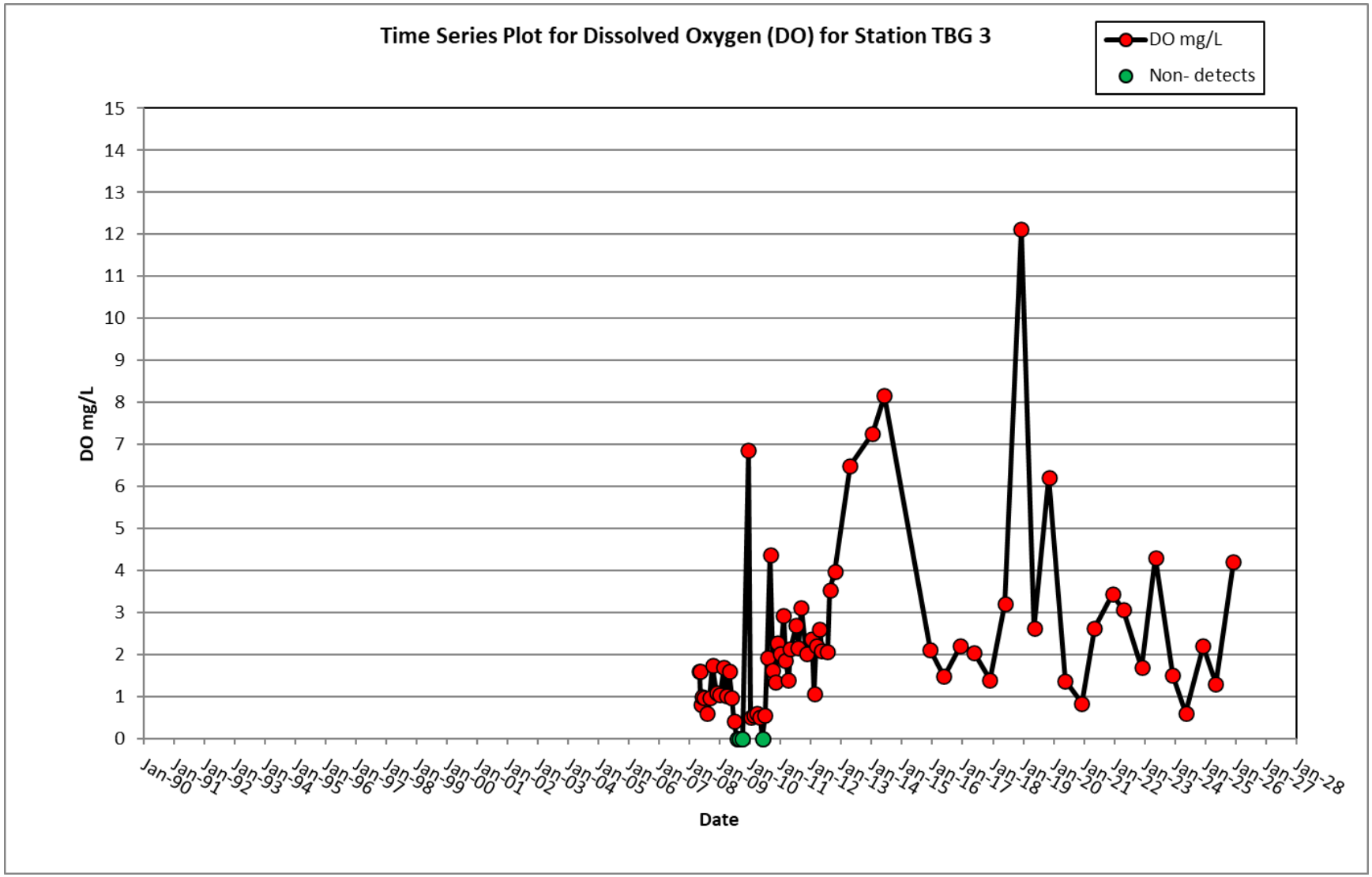
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
XSB006R
NPDWS (70ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Dissolved Oxygen (DO) for Station TBG 3
DO mg/L
Non- detects
DO mg/L
Date
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
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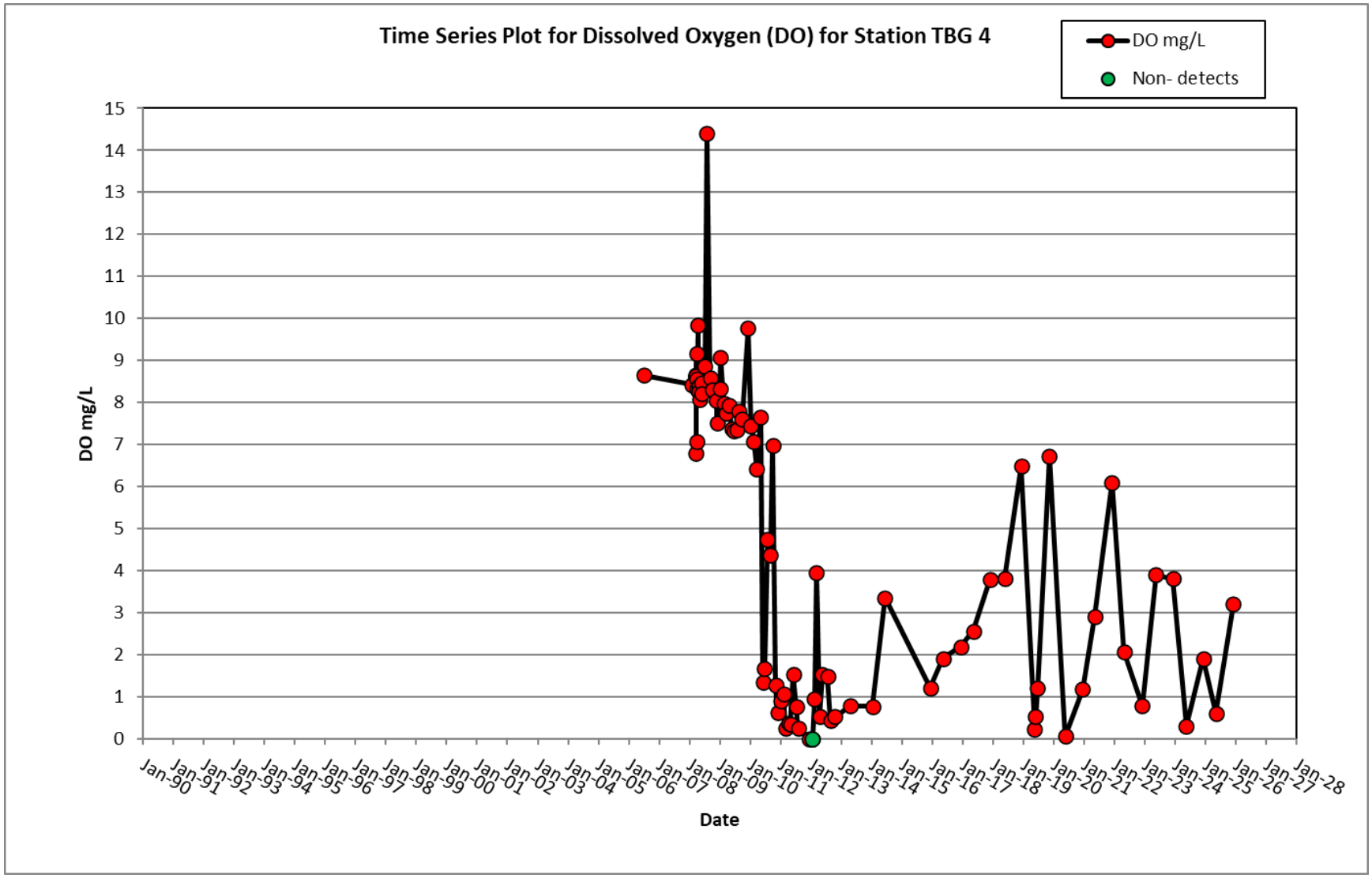
Jan-28


Time Series Plot for Dissolved Oxygen (DO) for Station TBG 4
DO mg/L
Non- detects
DO mg/L
Date
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
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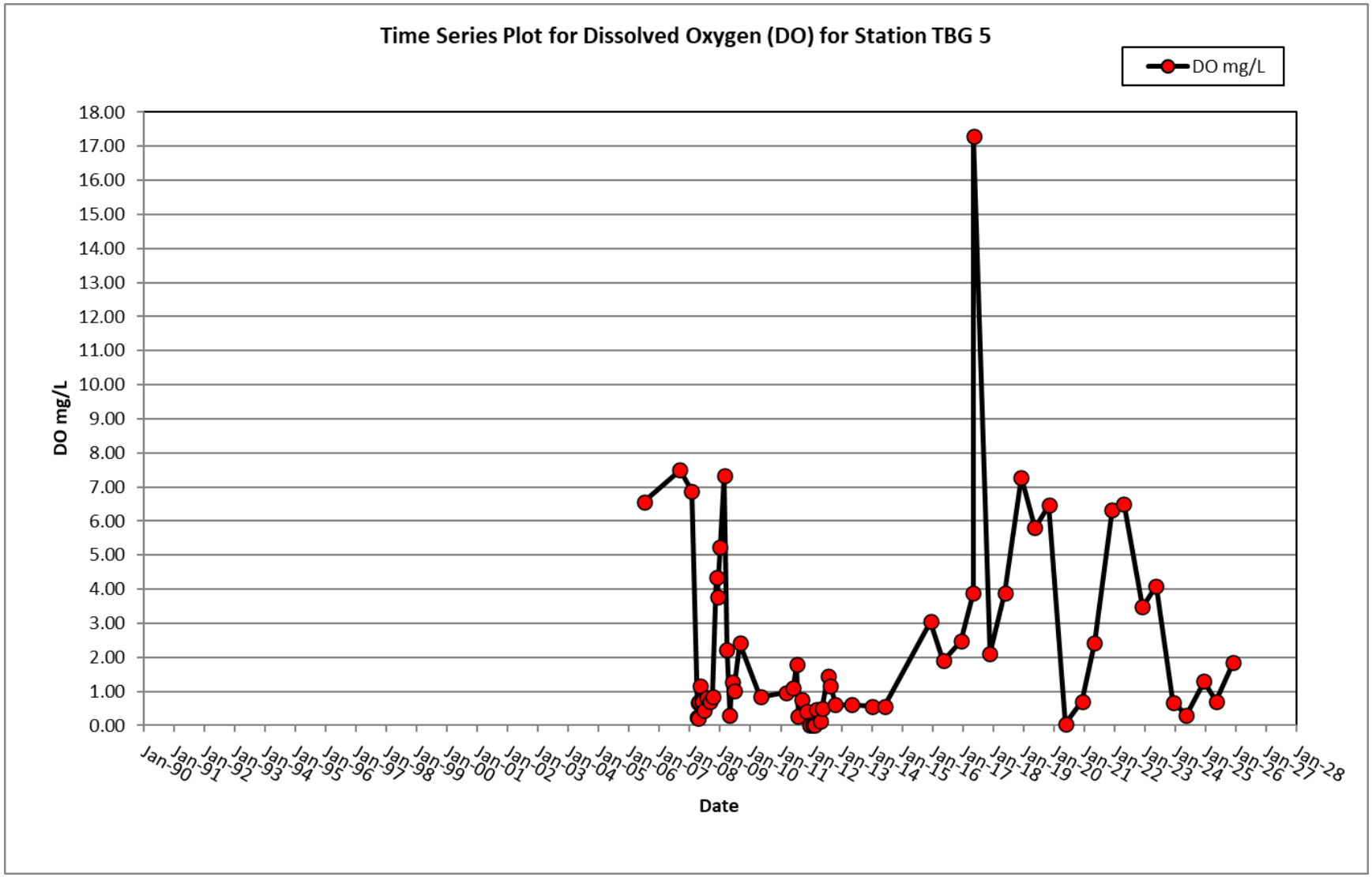
Time Series Plot for Dissolved Oxygen (DO) for Station TBG 5
DO mg/L
DO mg/L
18.00
17.00
16.00
15.00
14.00
13.00
12.00
11.00
10.00
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
Jan-90
Jan-91
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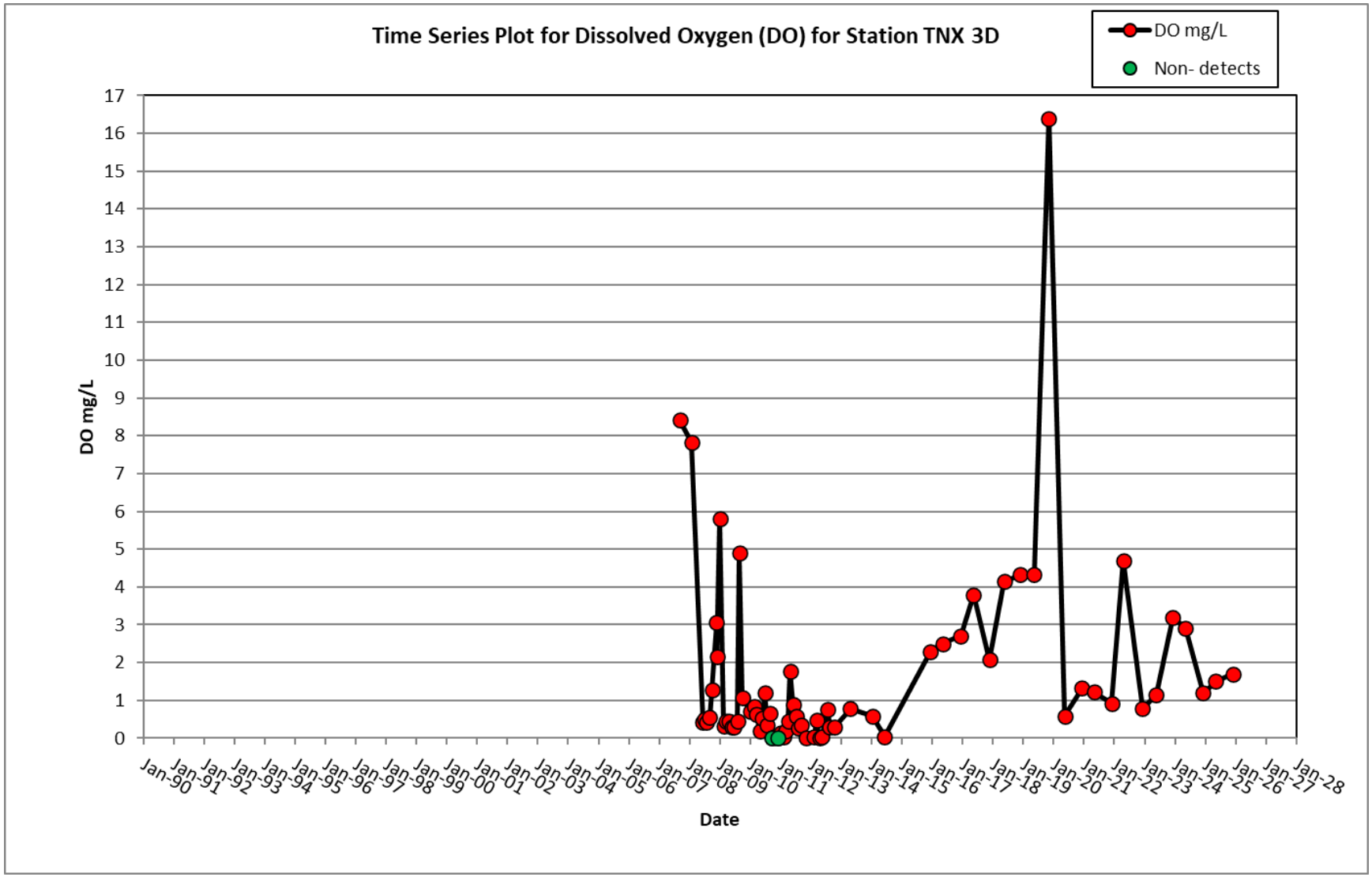
Jan-28
Date


Time Series Plot for Dissolved Oxygen (DO) for Station TNX 3D
DO mg/L
Non- detects
DO mg/L
Date
0
1
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9
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Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
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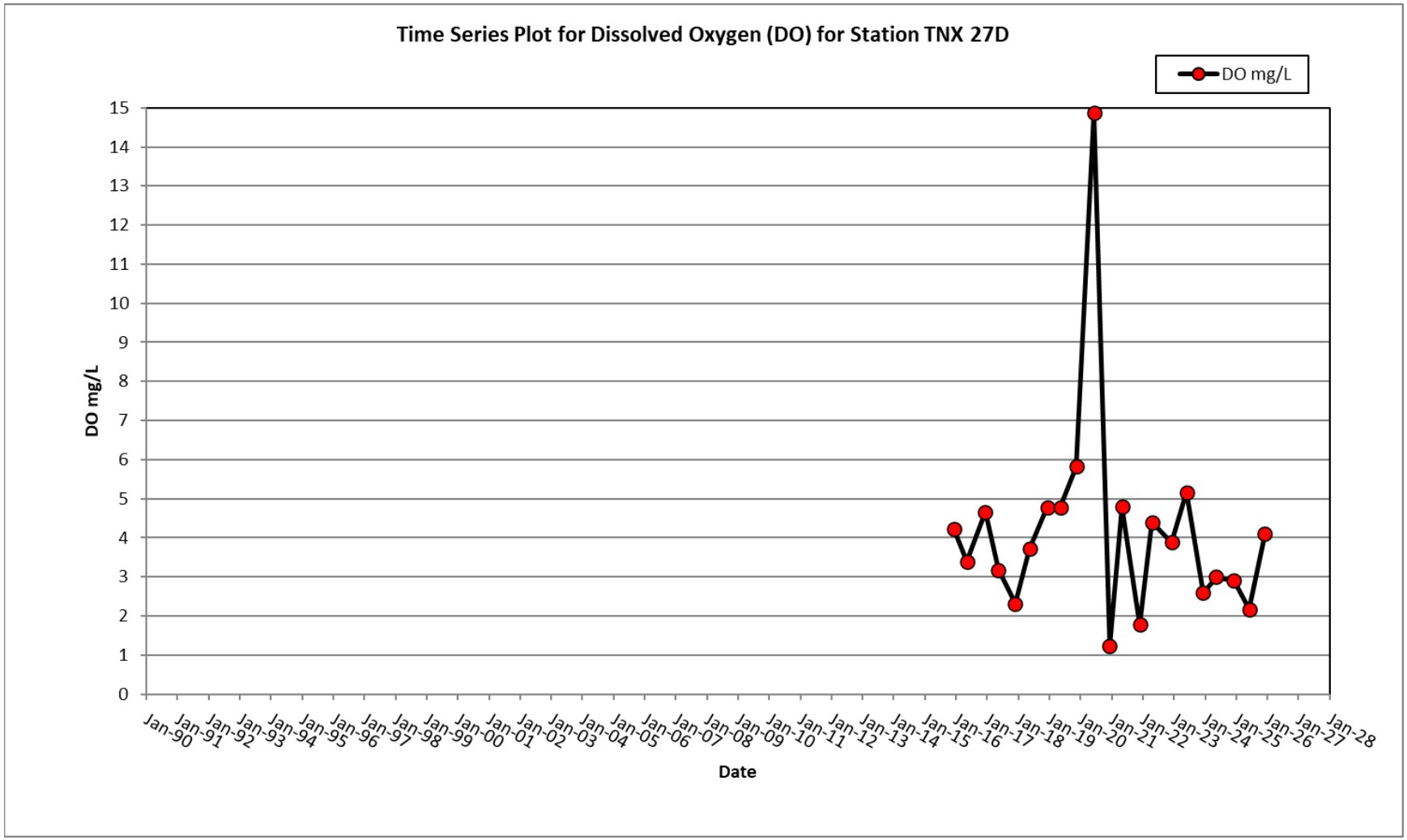
Jan-26
Jan-27
Jan-28


Time Series Plot for Dissolved Oxygen (DO) for Station TNX 27D
DO mg/L
DO mg/L
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
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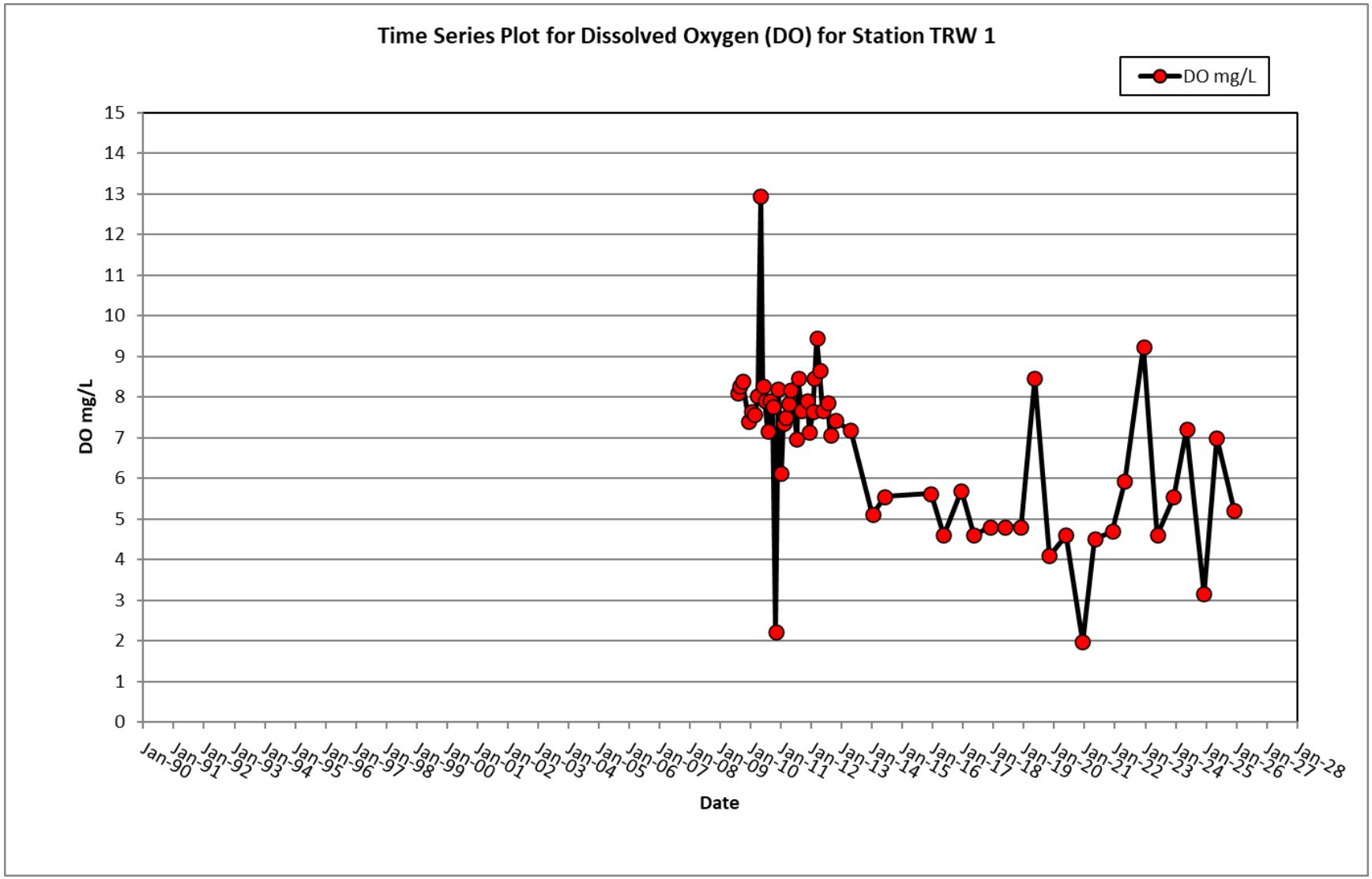
Jan-22
Jan-23
Jan-24
Jan-25
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Dissolved Oxygen (DO) for Station TRW 1
DO mg/L
DO mg/L
Date
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
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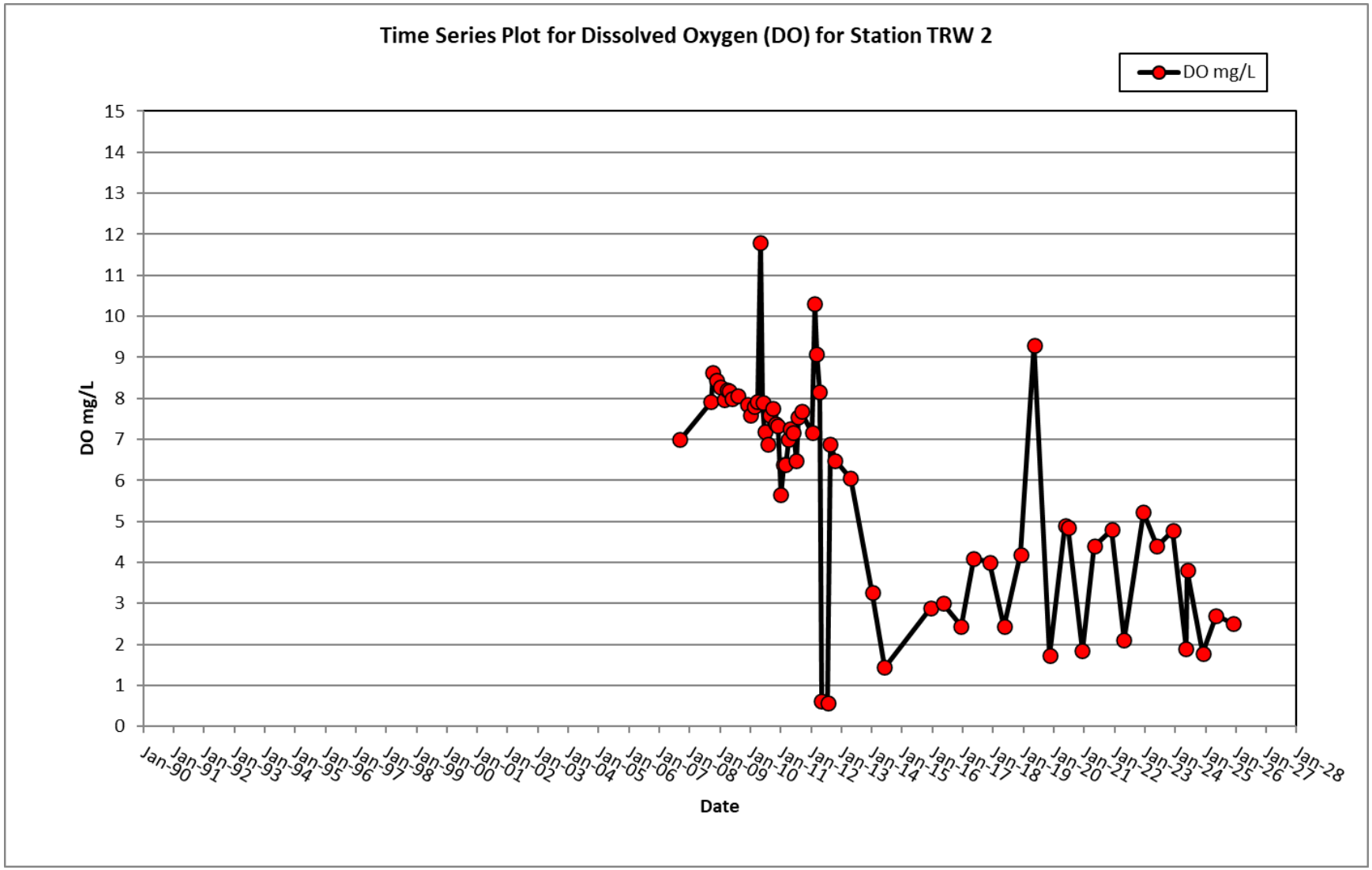
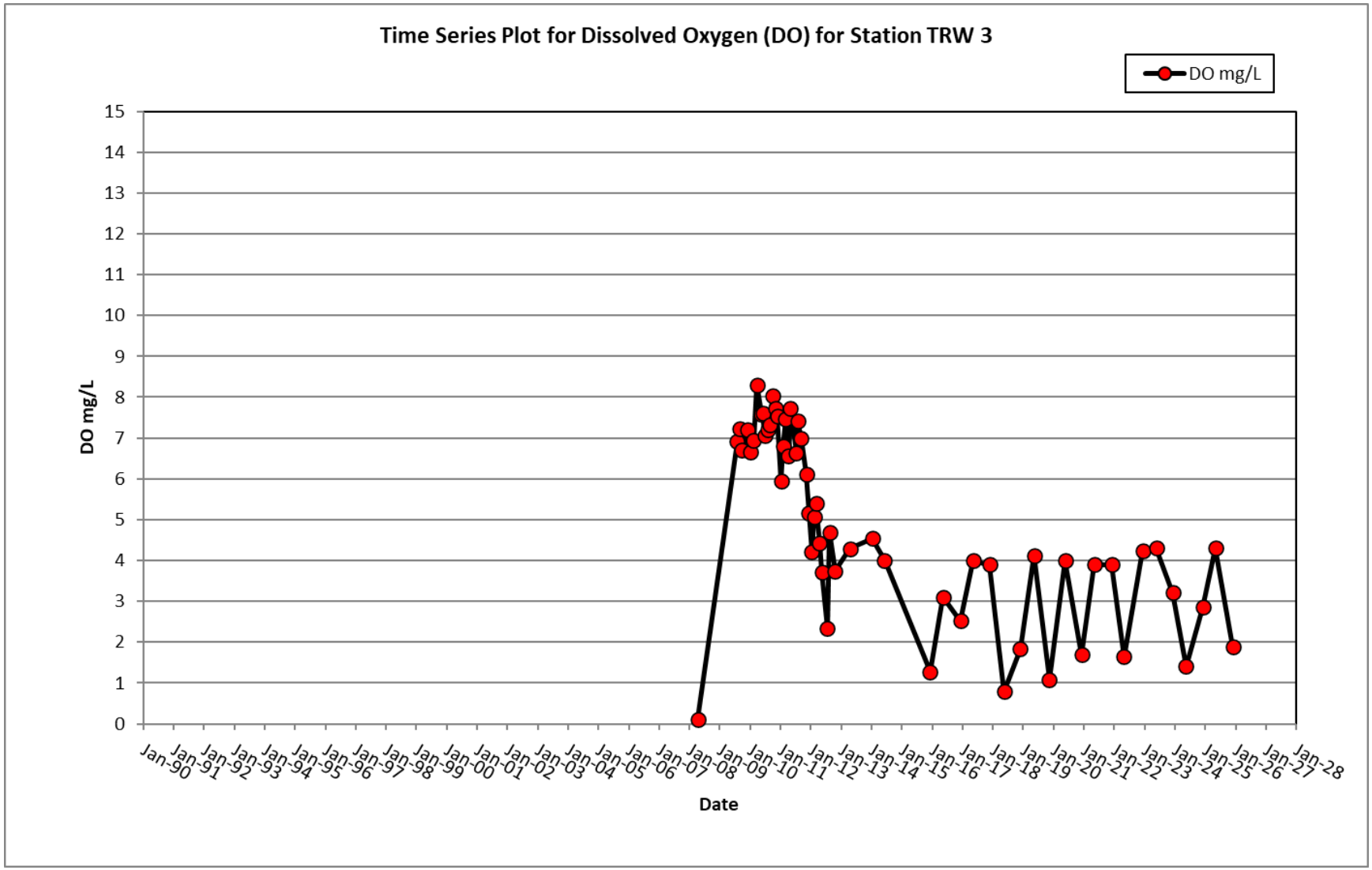
Jan-26
Jan-27
Jan-28


Time Series Plot for Dissolved Oxygen (DO) for Station TRW 2
DO mg/L
DO mg/L
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
Jan-19
Jan-20
Jan-21
Jan-22
Jan-23
Jan-24
Jan-25
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Dissolved Oxygen (DO) for Station TRW 3
DO mg/L
DO mg/L
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
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Jan-16
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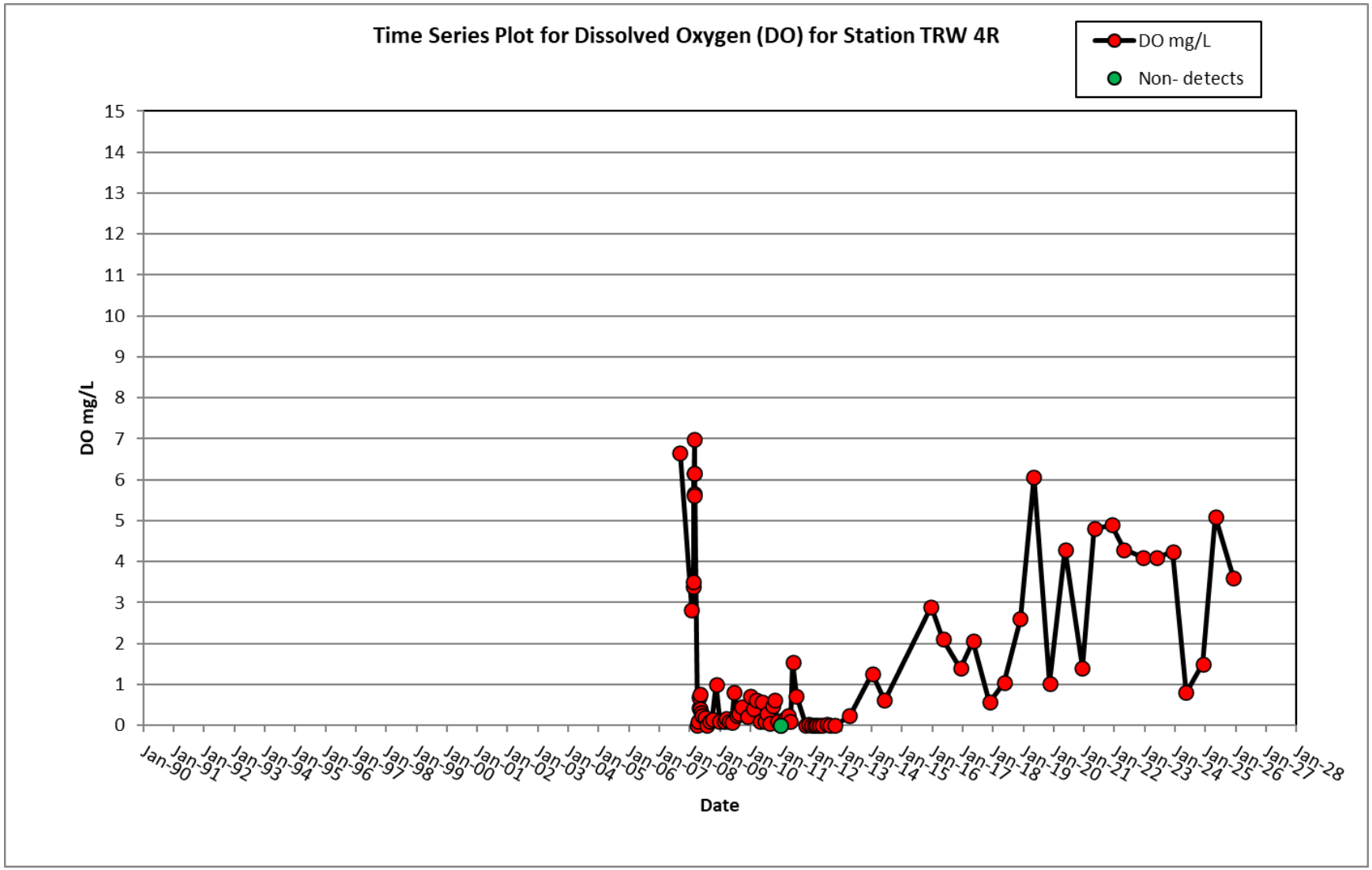
Jan-23
Jan-24
Jan-25
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Dissolved Oxygen (DO) for Station TRW 4R
DO mg/L
Non- detects
DO mg/L
Date
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
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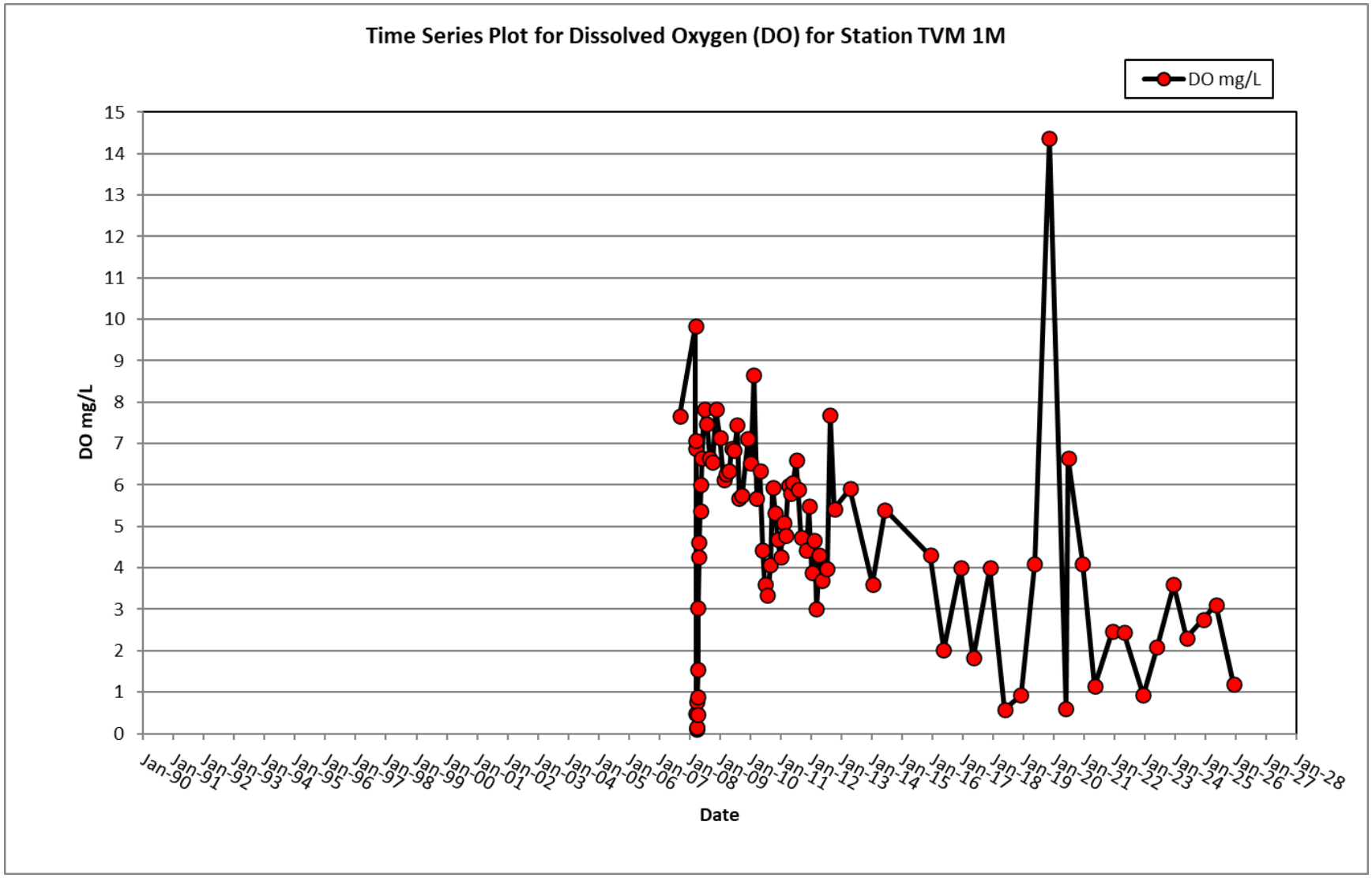
Jan-26
Jan-27
Jan-28


Time Series Plot for Dissolved Oxygen (DO) for Station TVM 1M
DO mg/L
DO mg/L
Date
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
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Jan-07
Jan-08
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Jan-11
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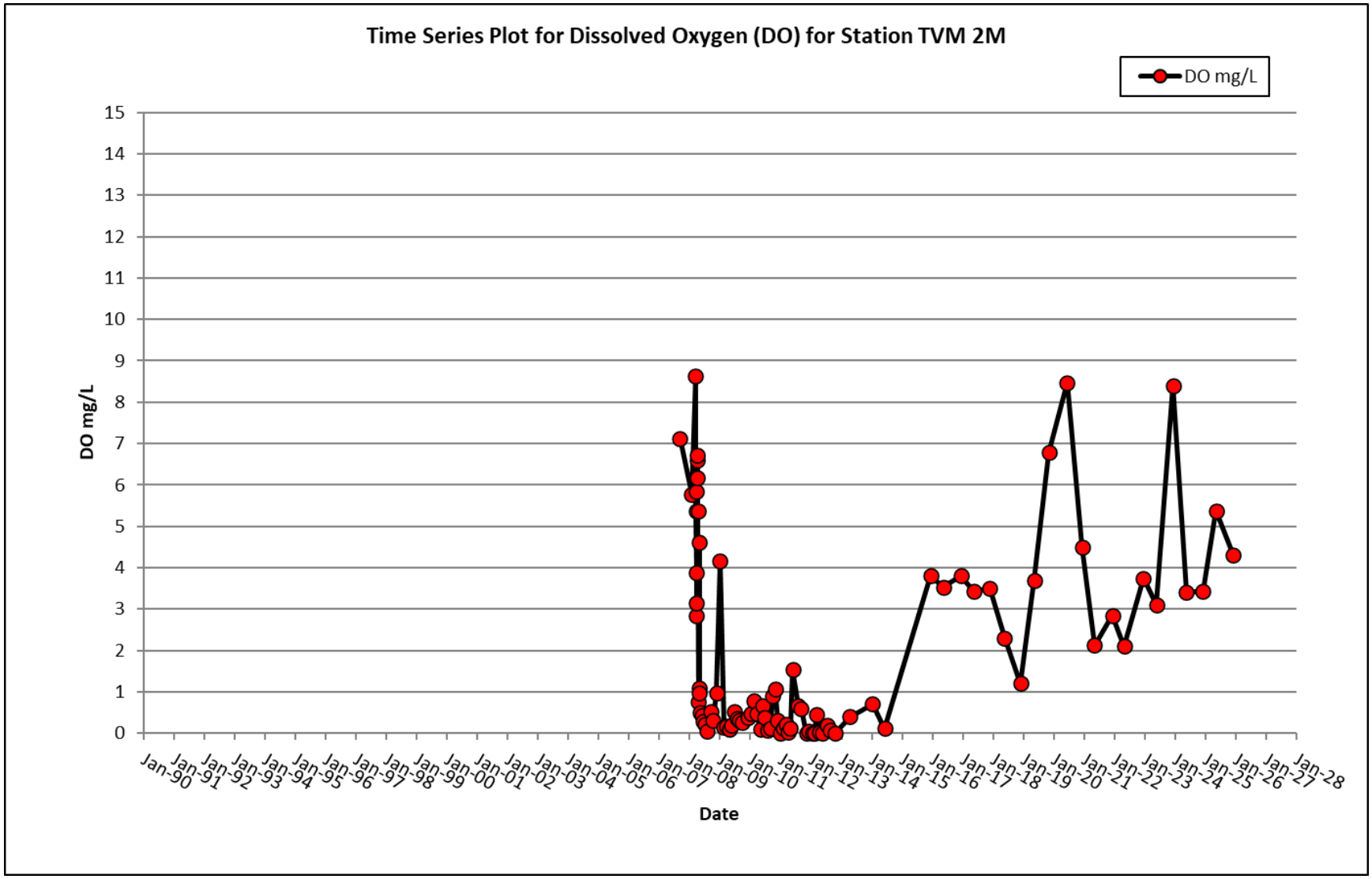
Jan-28


Time Series Plot for Dissolved Oxygen (DO) for Station TVM 2M
DO mg/L
DO mg/L
Date
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
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Jan-09
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Jan-11
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Jan-13
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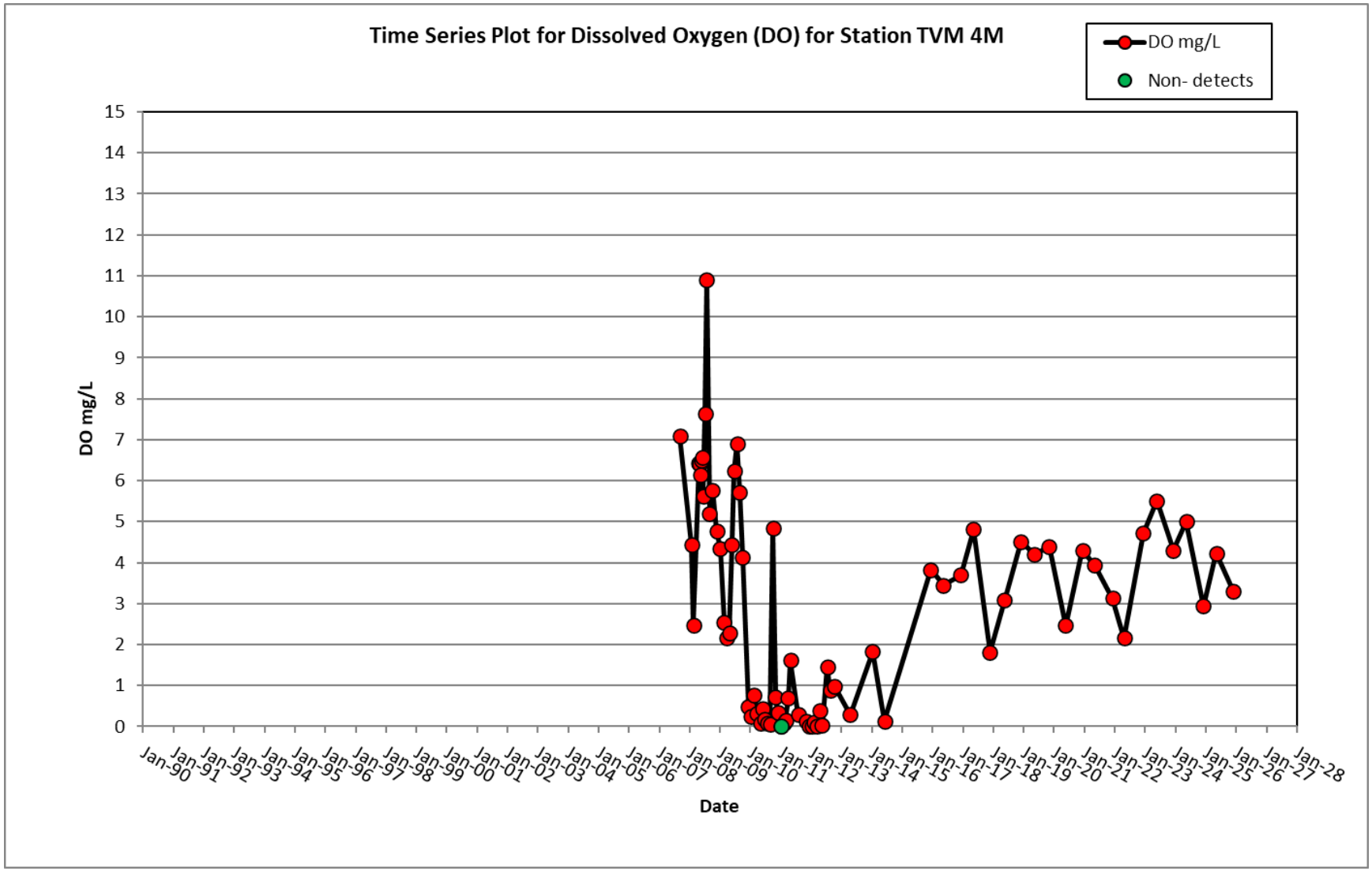
Jan-27
Jan-28


Time Series Plot for Dissolved Oxygen (DO) for Station TVM 4M
DO mg/L
Non- detects
DO mg/L
Date
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
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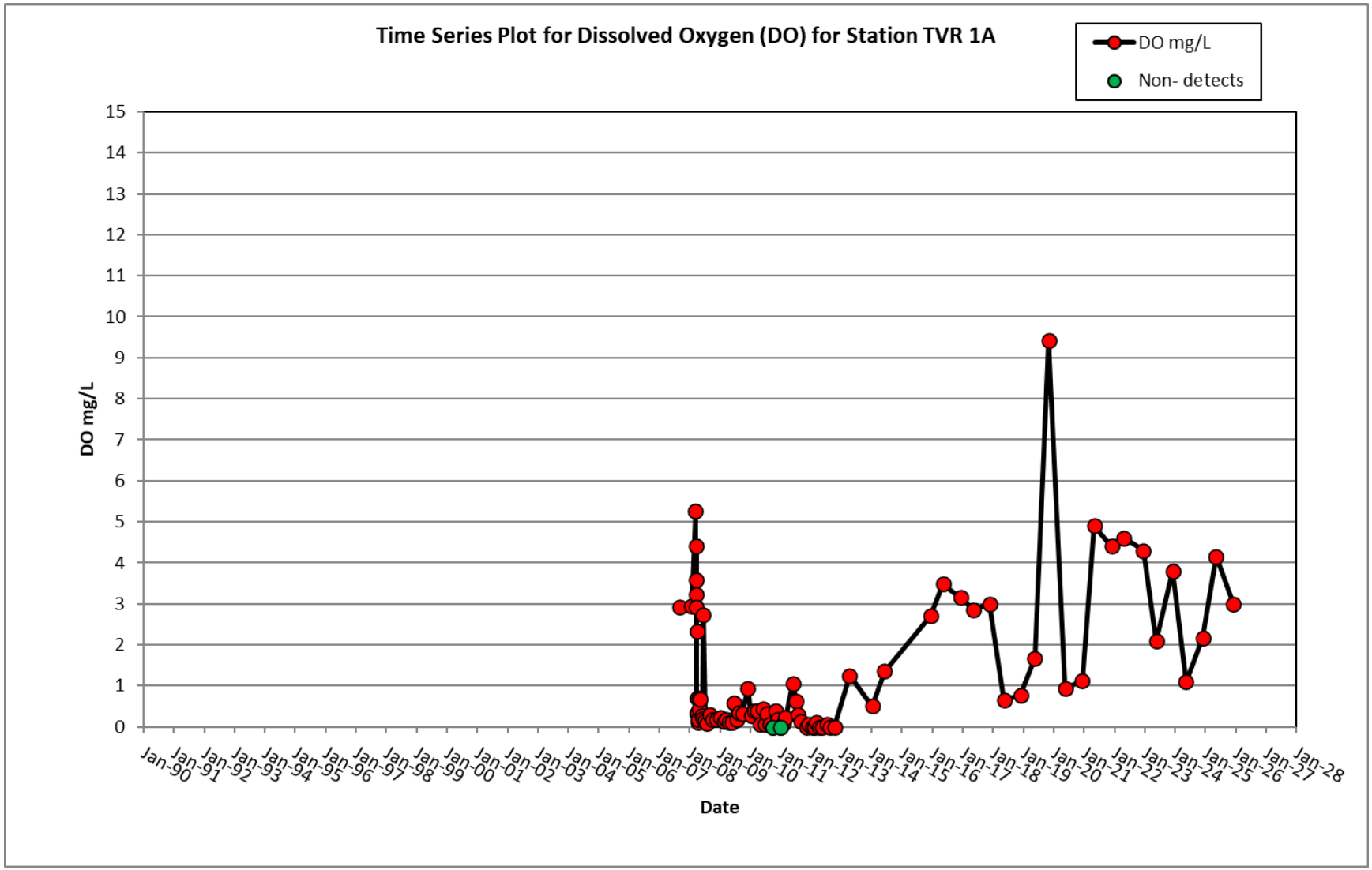
Jan-24
Jan-25
Jan-26
Jan-27
Jan-28


Time Series Plot for Dissolved Oxygen (DO) for Station TVR 1A
DO mg/L
Non- detects
DO mg/L
Date
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
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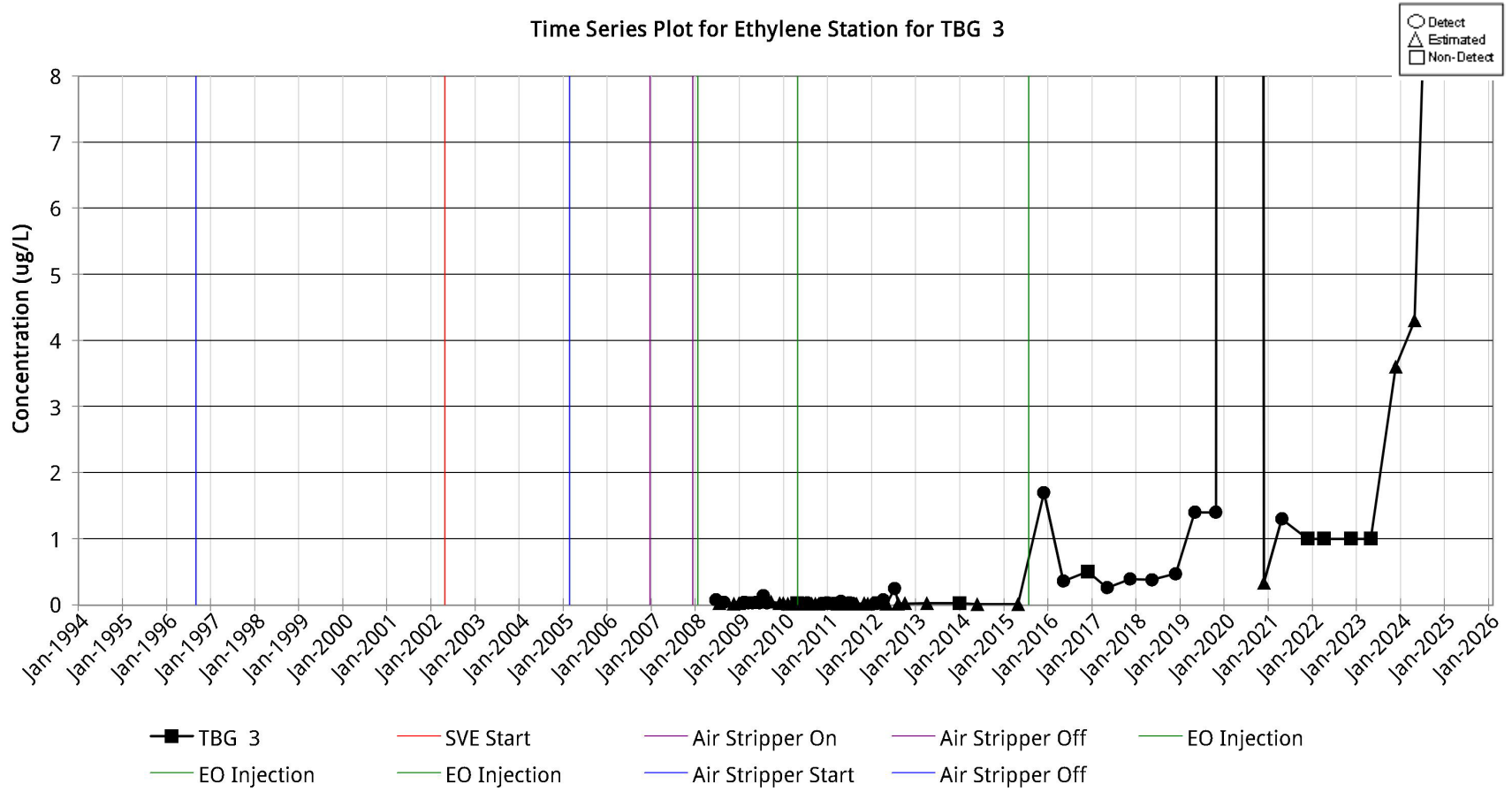
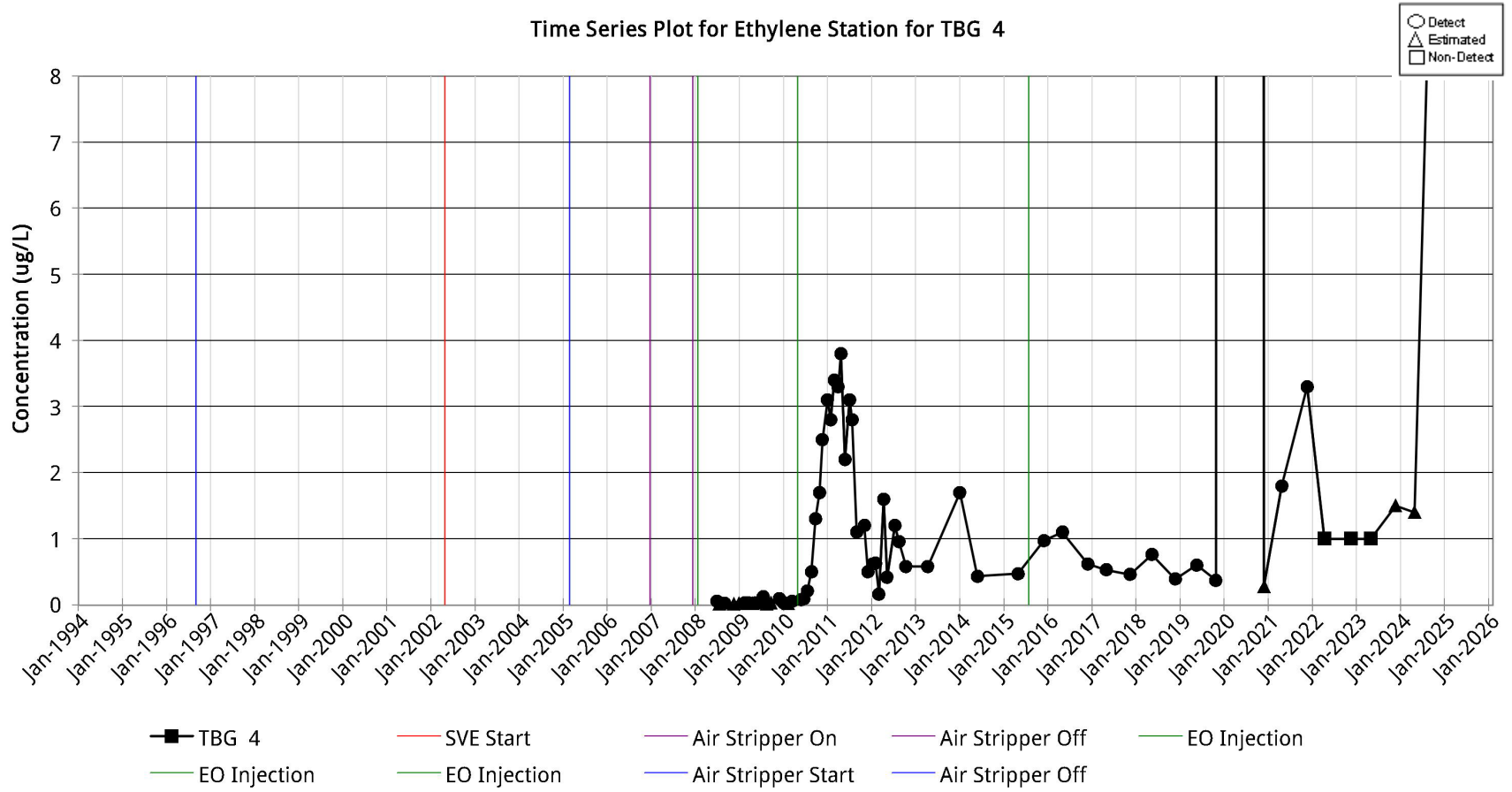
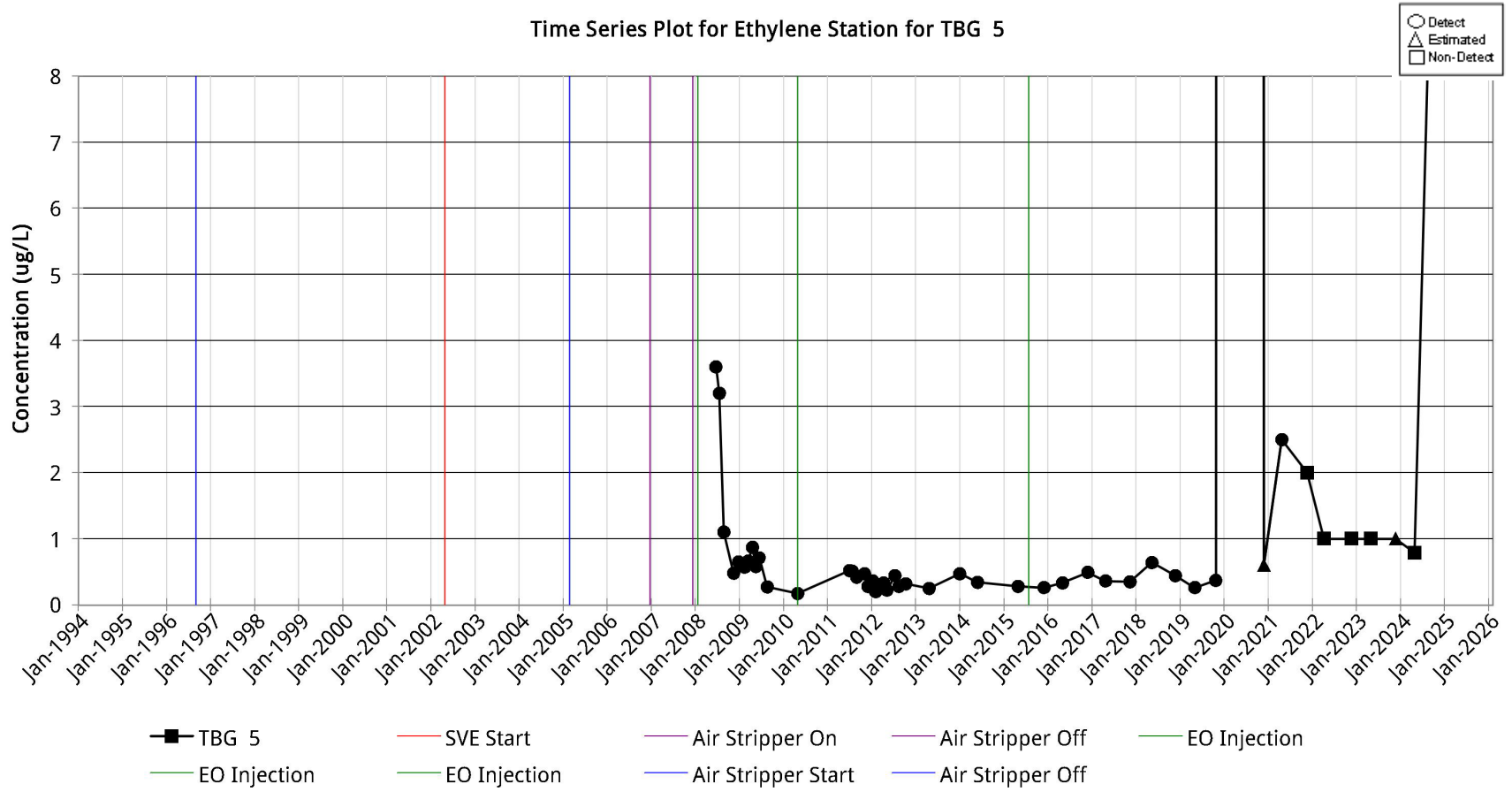
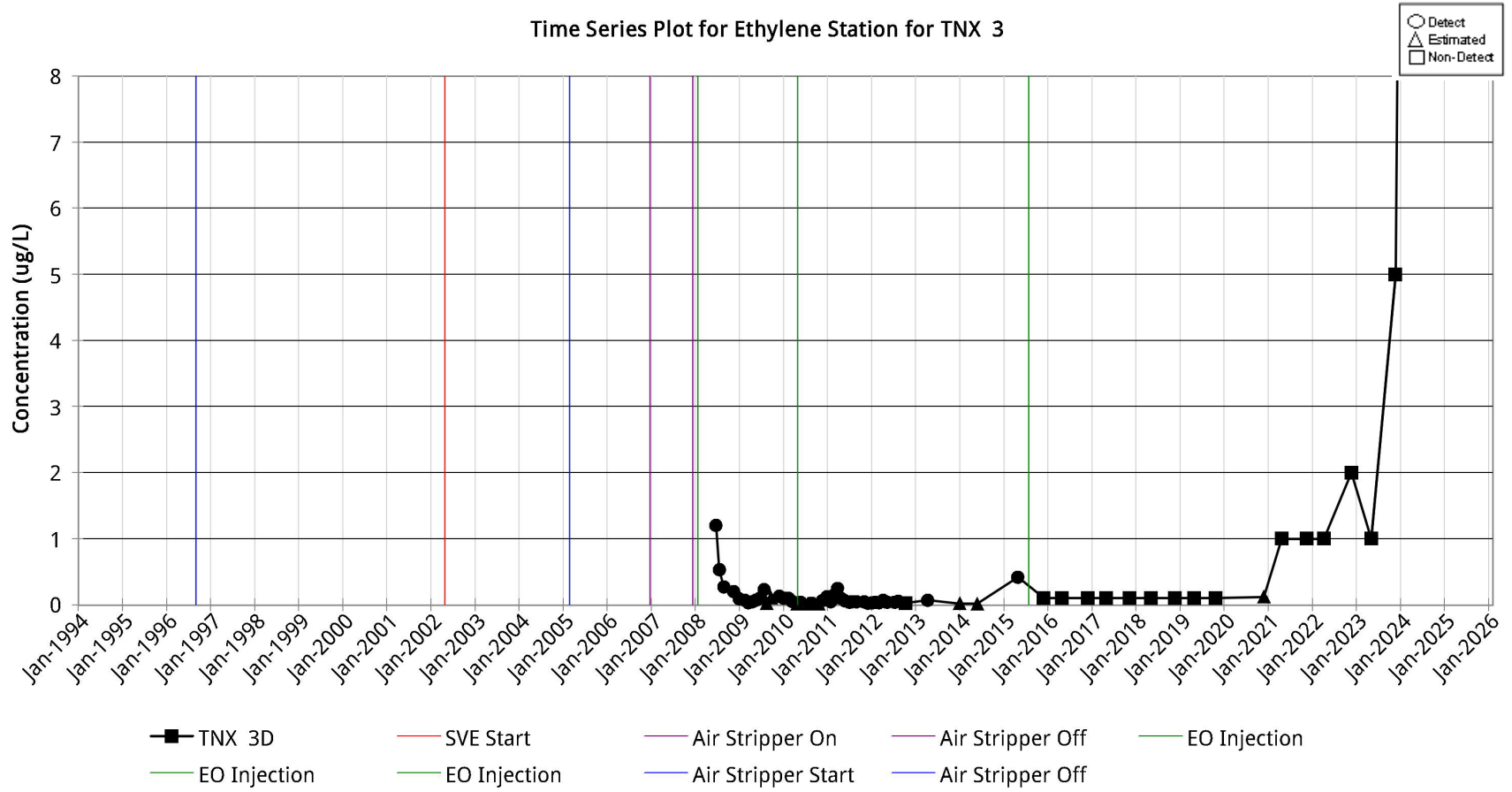
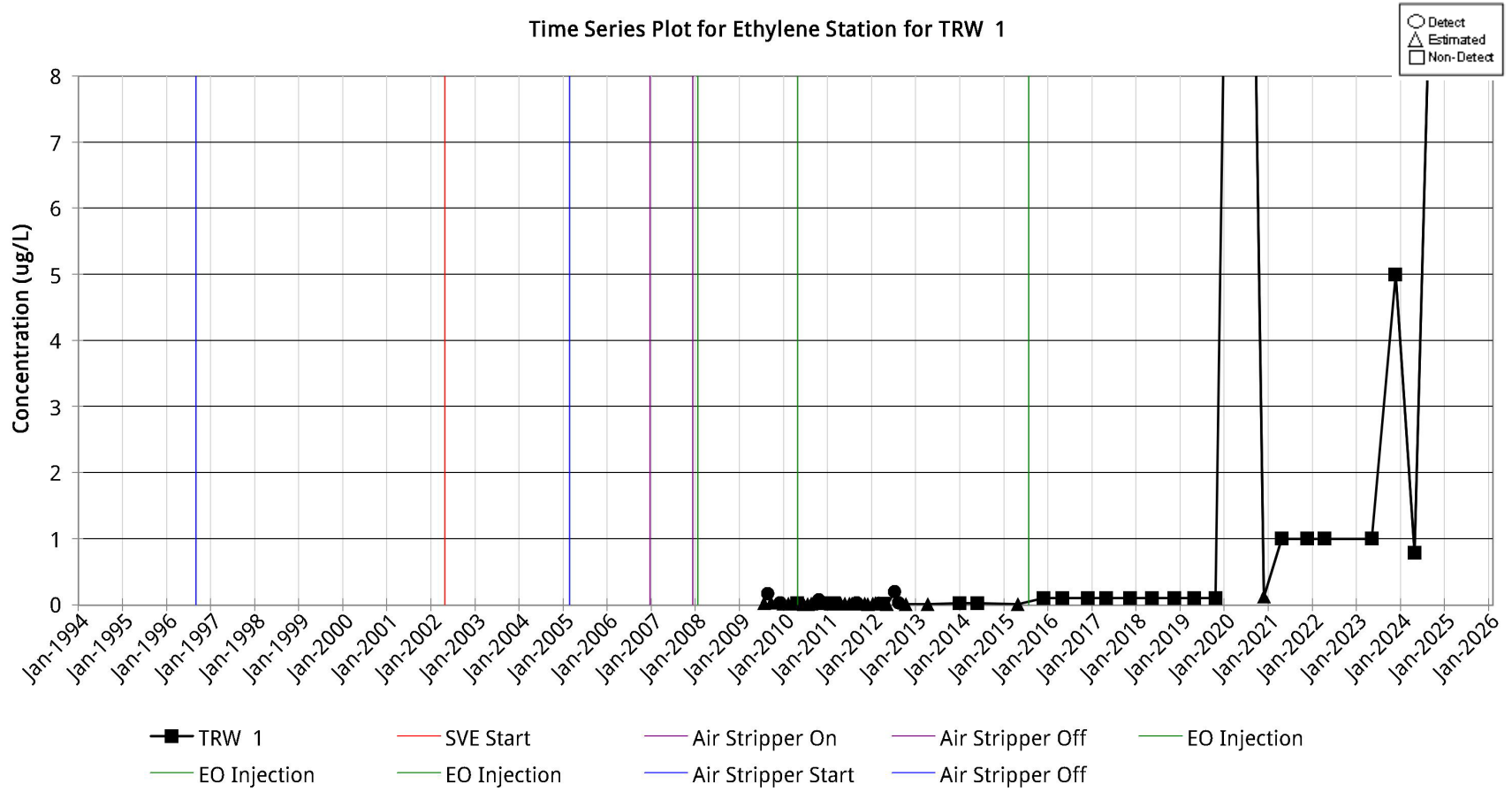
Jan-26
Jan-27
Jan-28

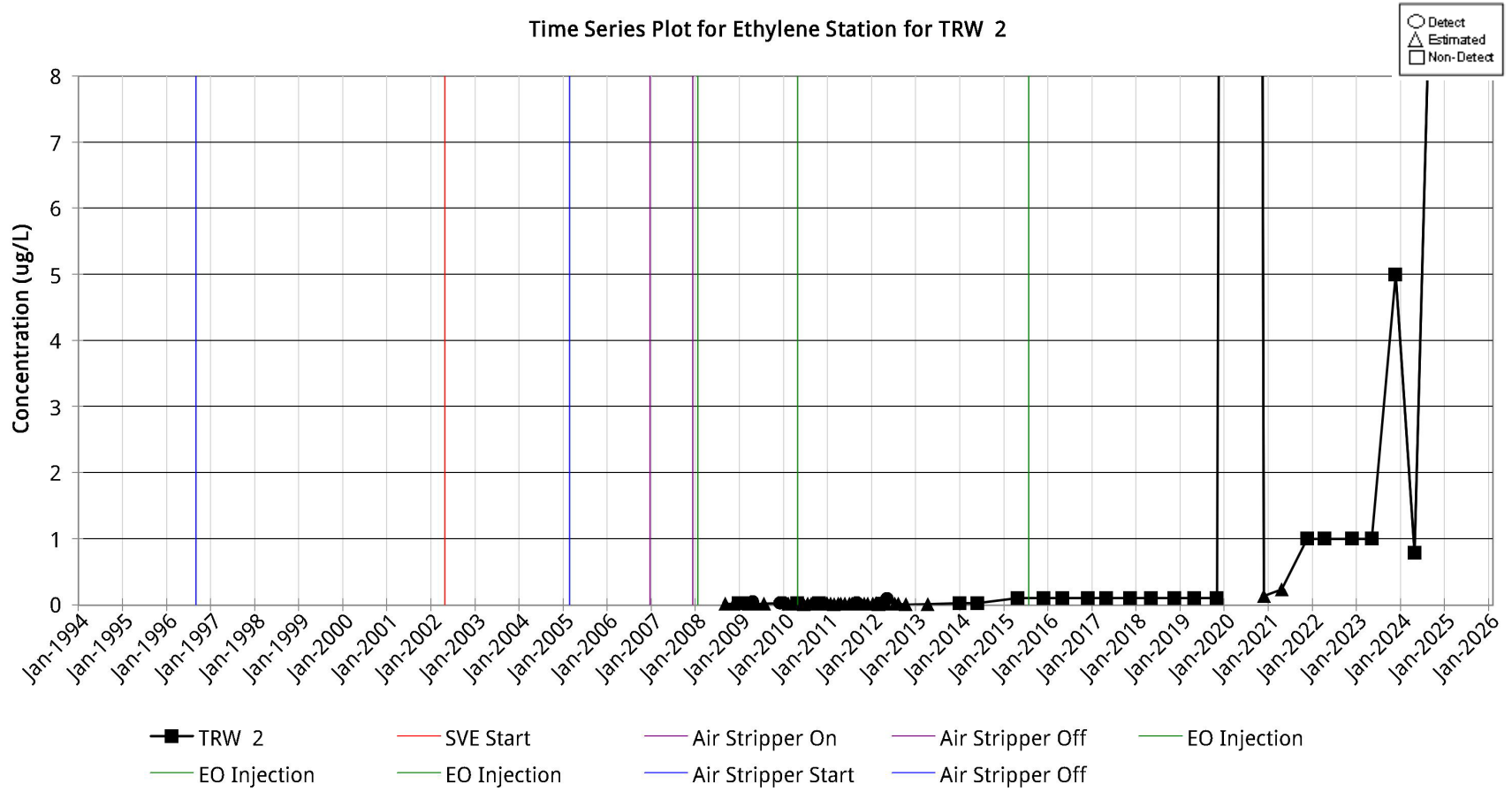

Time Series Plot for Ethylene Station for TBG 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 3
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off

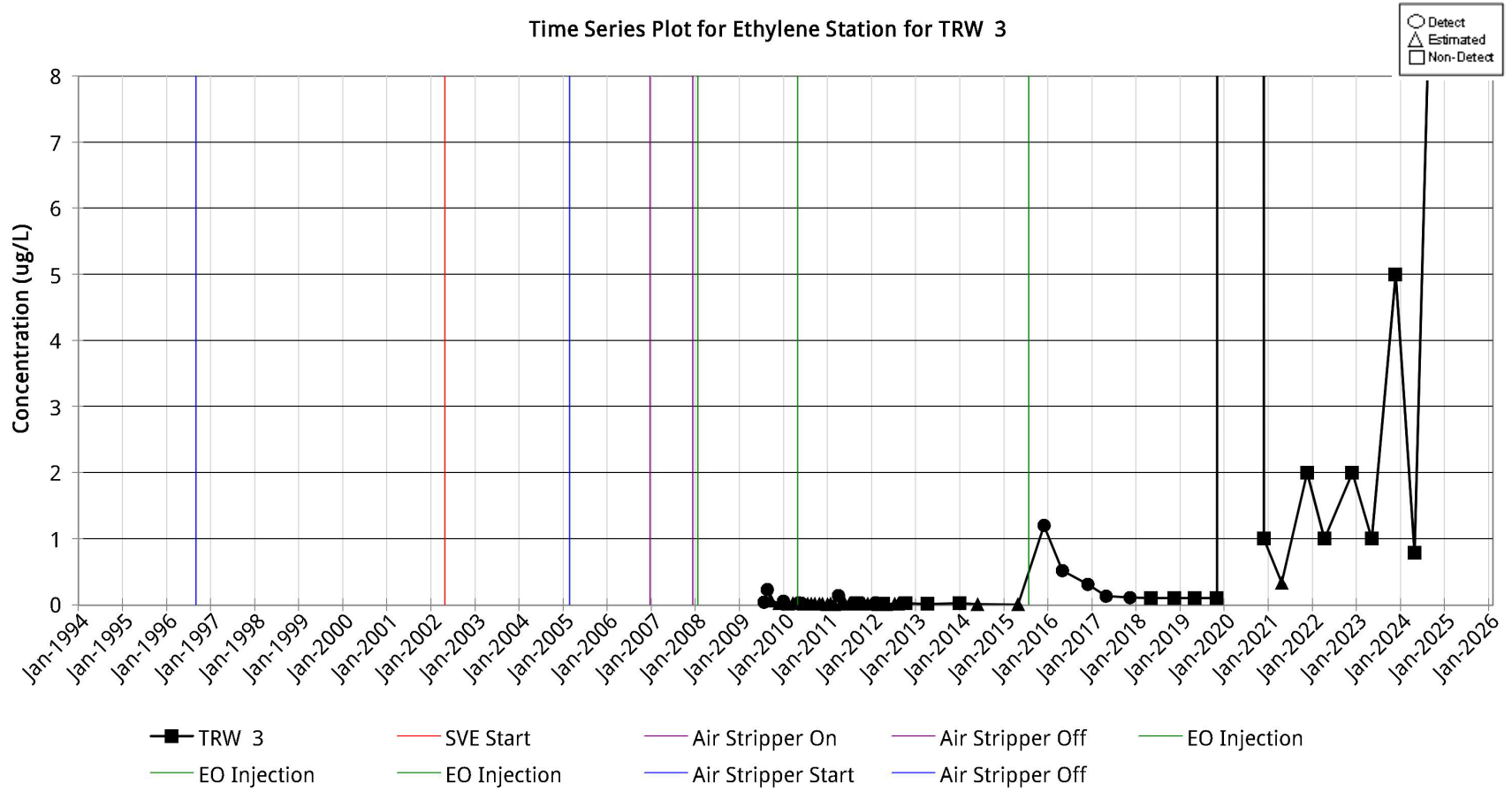

Time Series Plot for Ethylene Station for TBG 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 4
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off

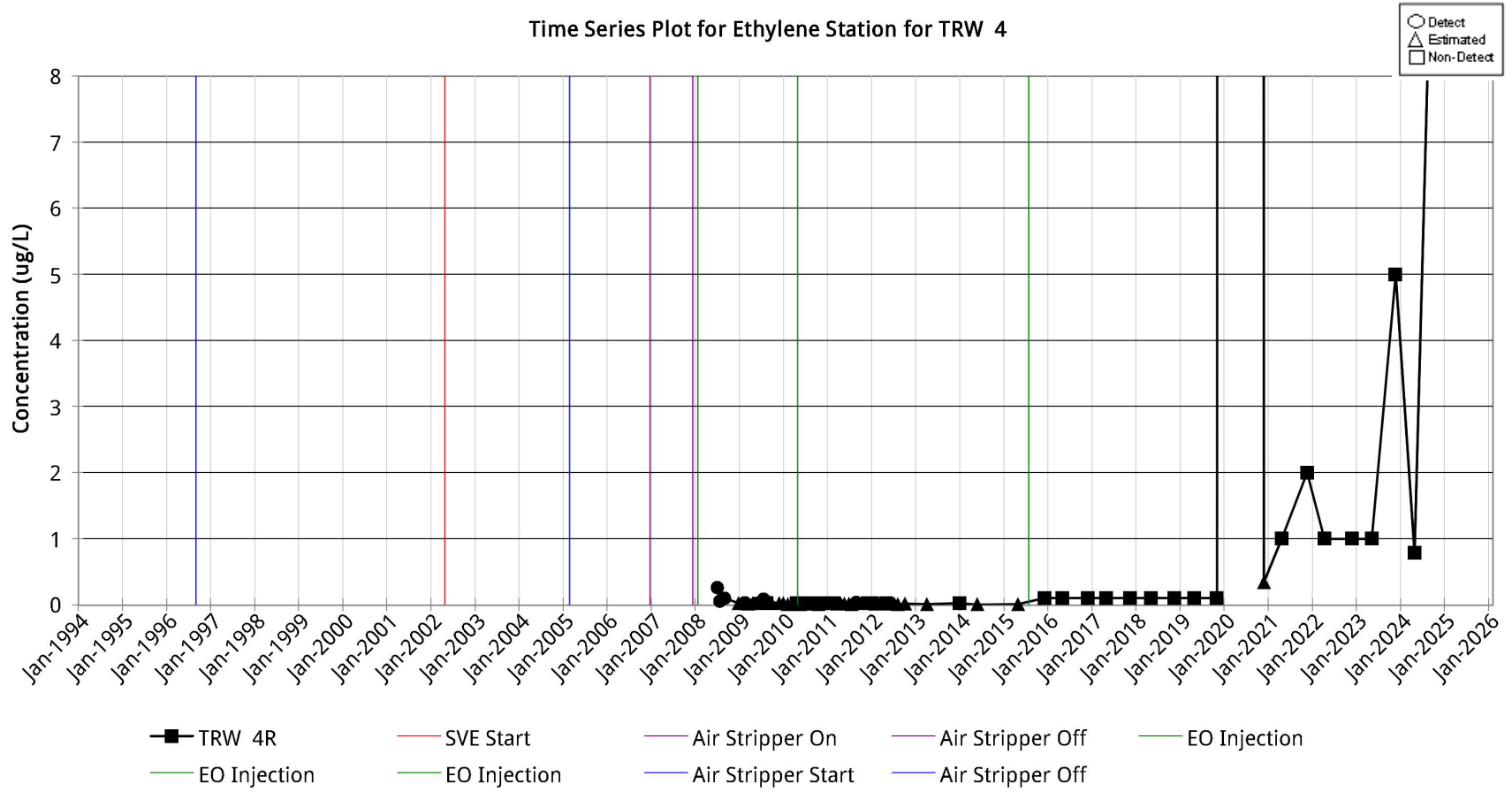

Time Series Plot for Ethylene Station for TBG 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 5
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off

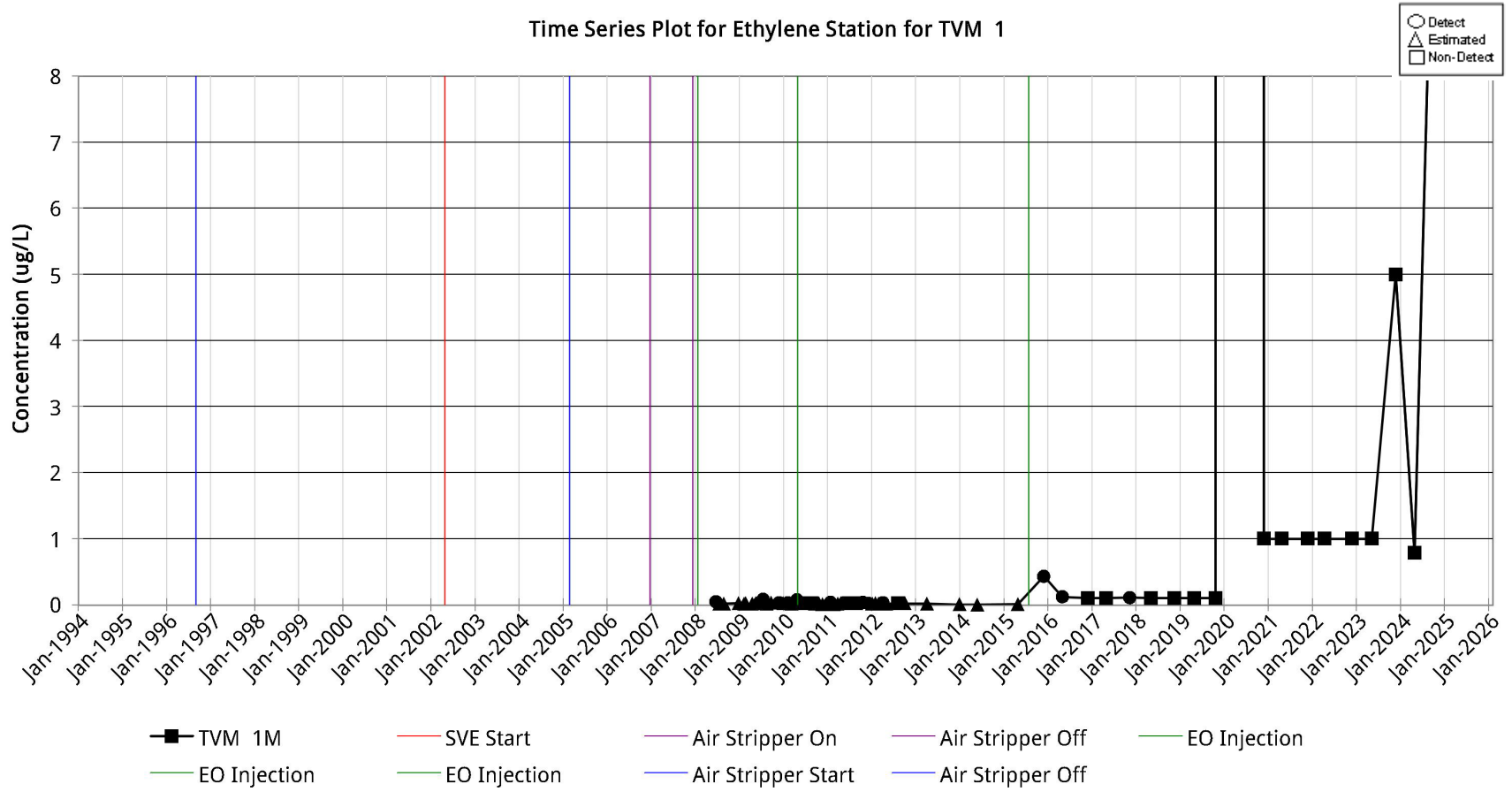

Time Series Plot for Ethylene Station for TNX 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 3D
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Ethylene Station for TRW 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 1
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Ethylene Station for TRW 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 2
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Ethylene Station for TRW 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 3
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Ethylene Station for TRW 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 4R
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Ethylene Station for TVM 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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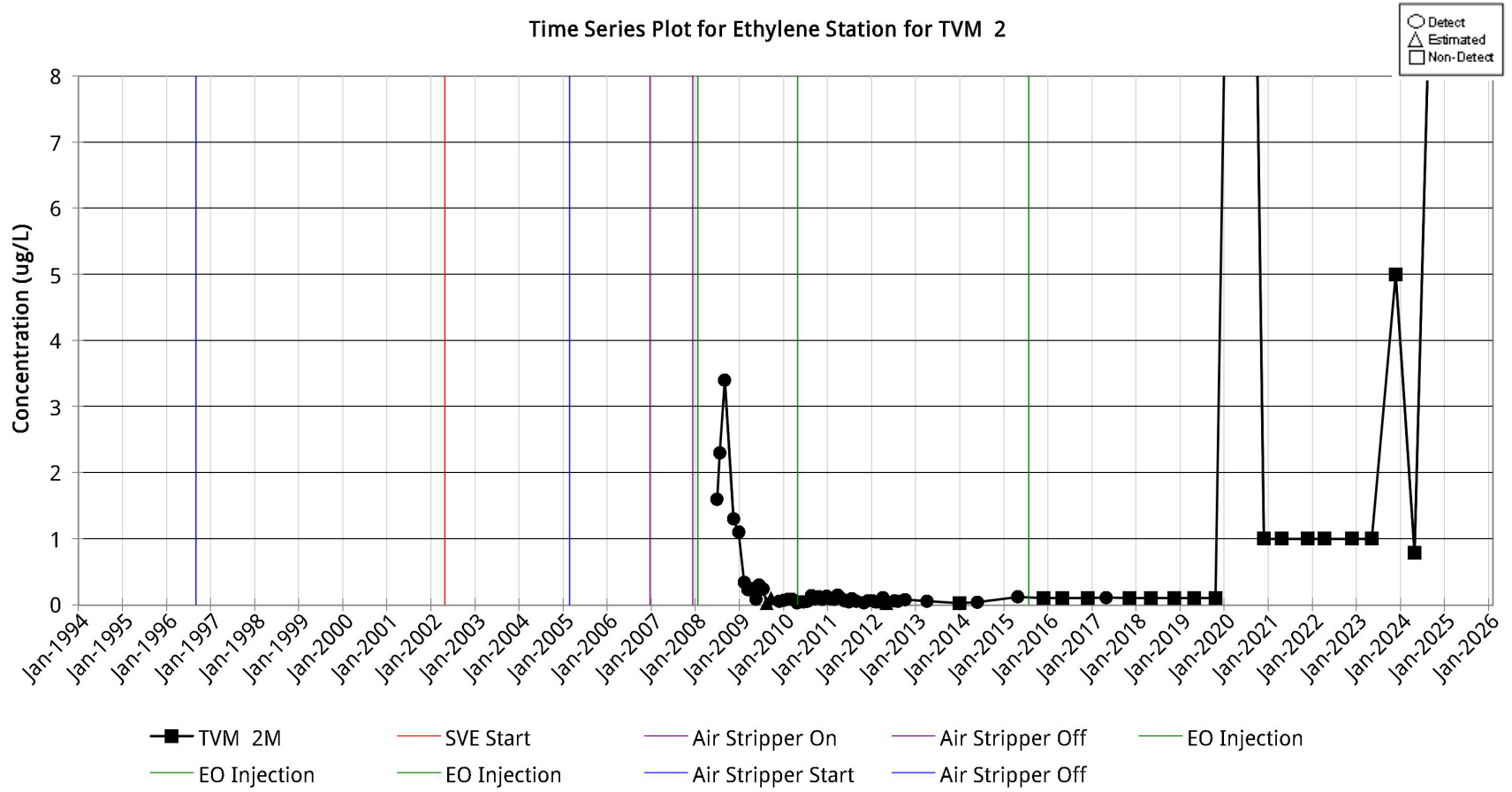
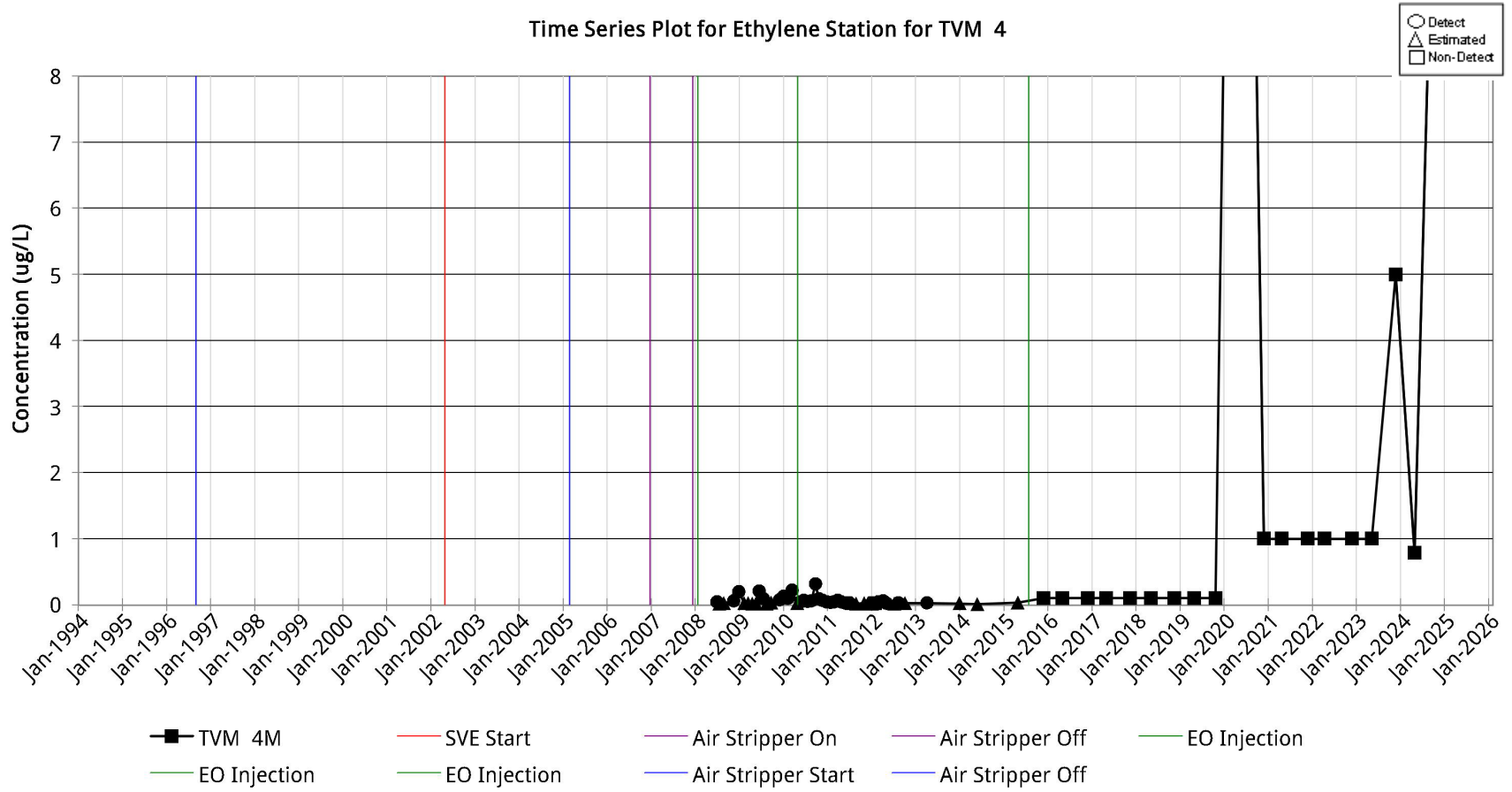
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 1M
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Ethylene Station for TVM 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 2M
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Ethylene Station for TVM 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
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Jan-2010
Jan-2011
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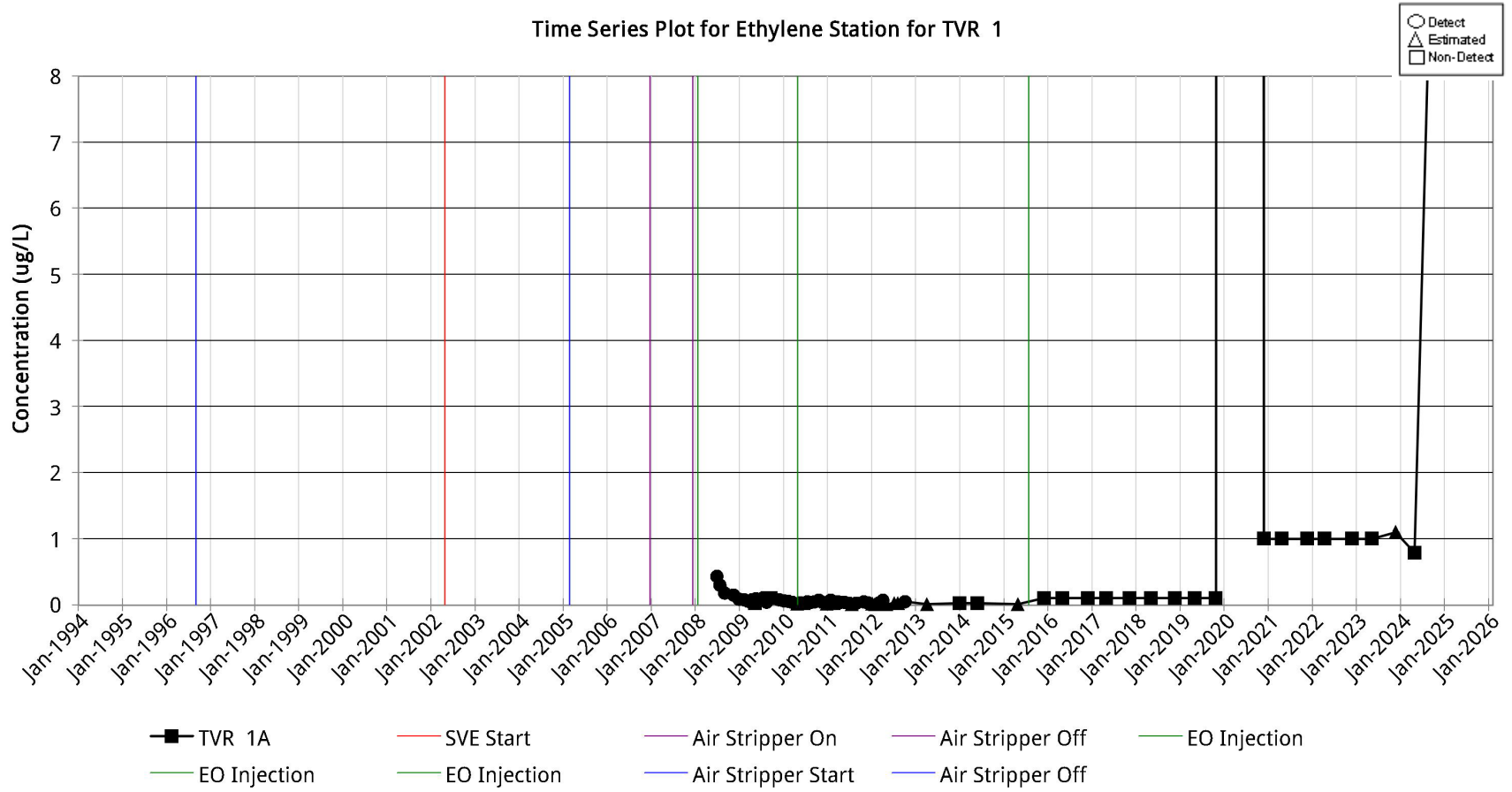
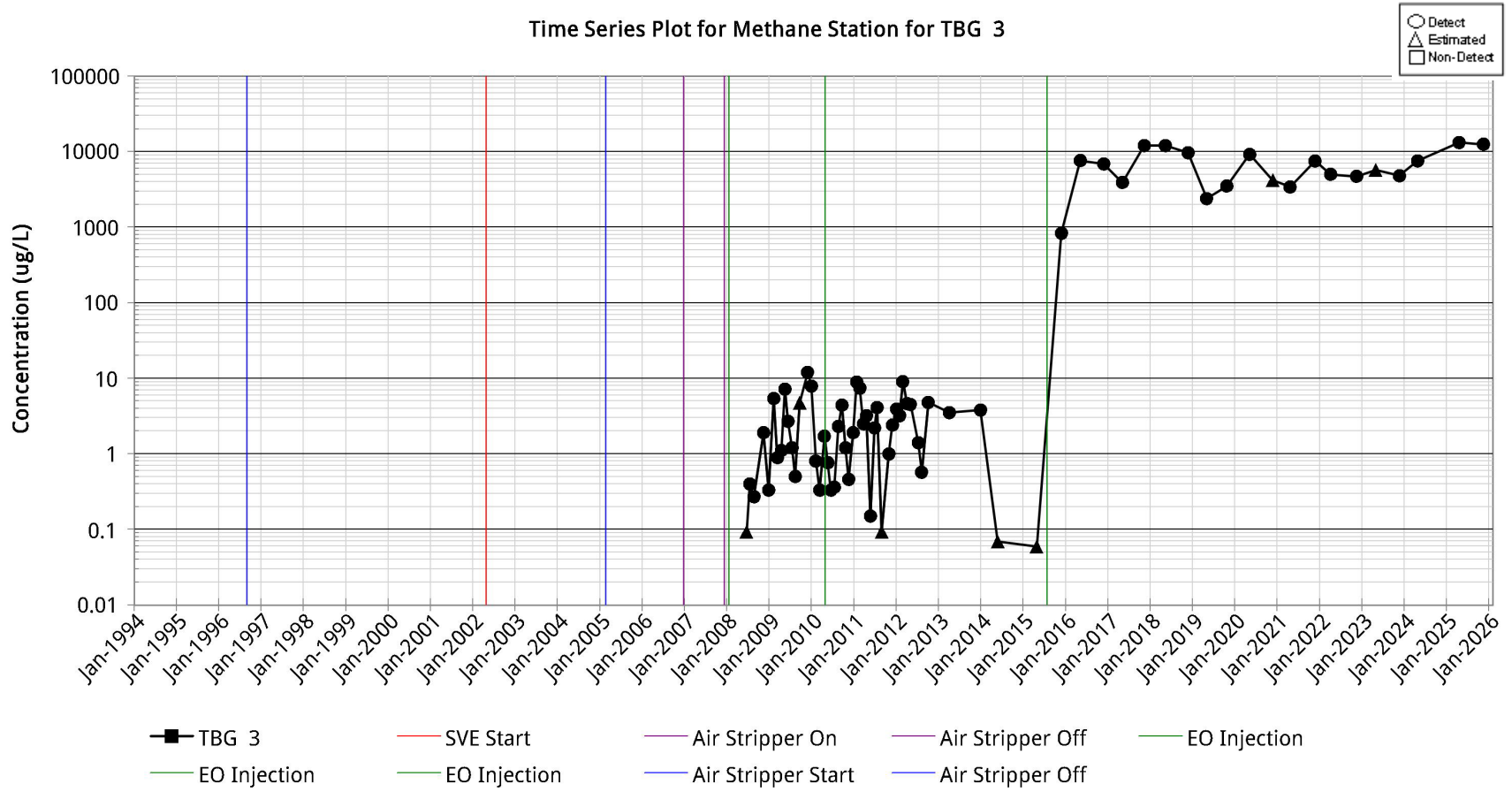
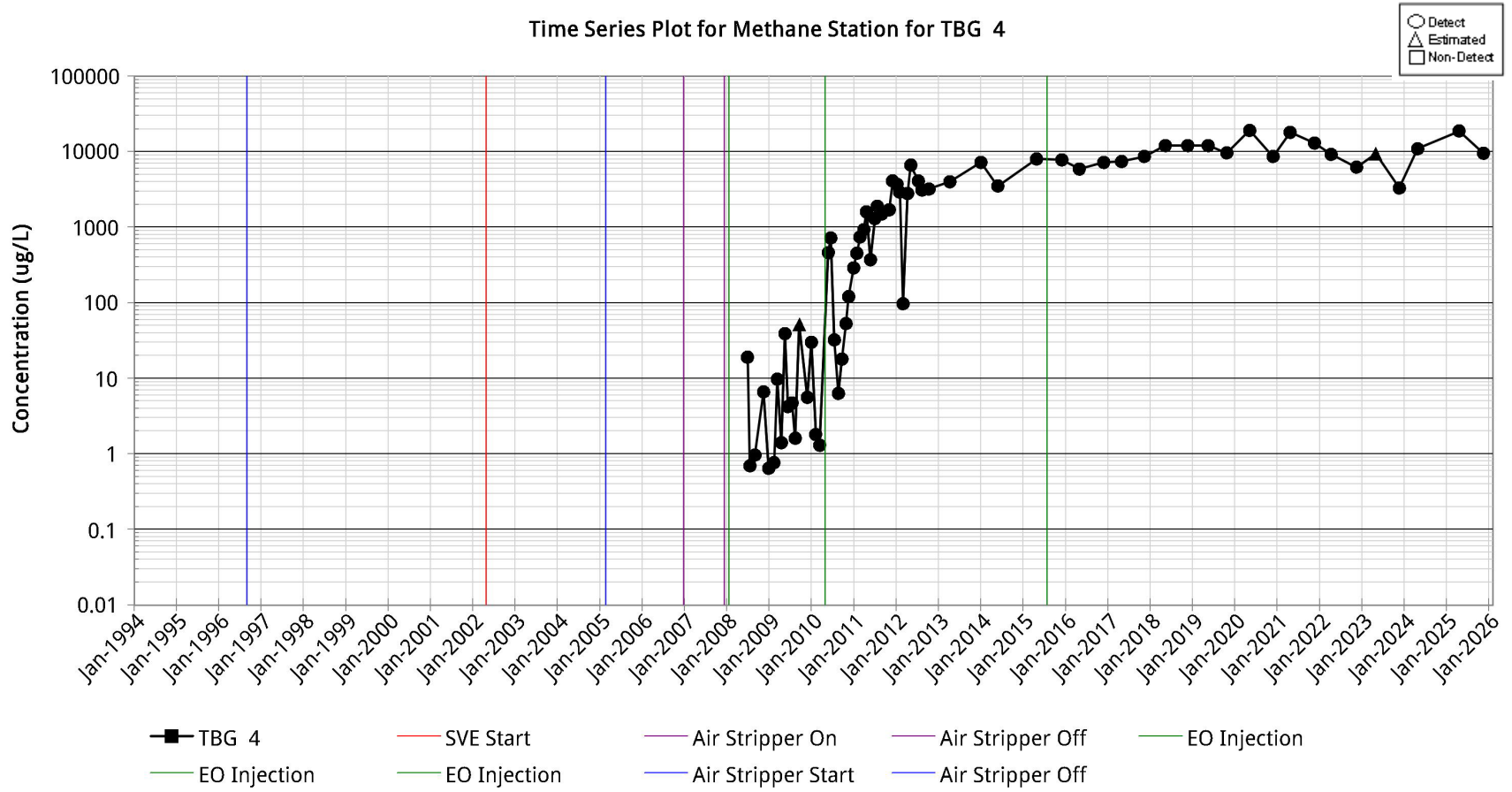
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 4M
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Ethylene Station for TVR 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
0
1
2
3
4
5
6
7
8
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVR 1A
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Methane Station for TBG 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 3
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Methane Station for TBG 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
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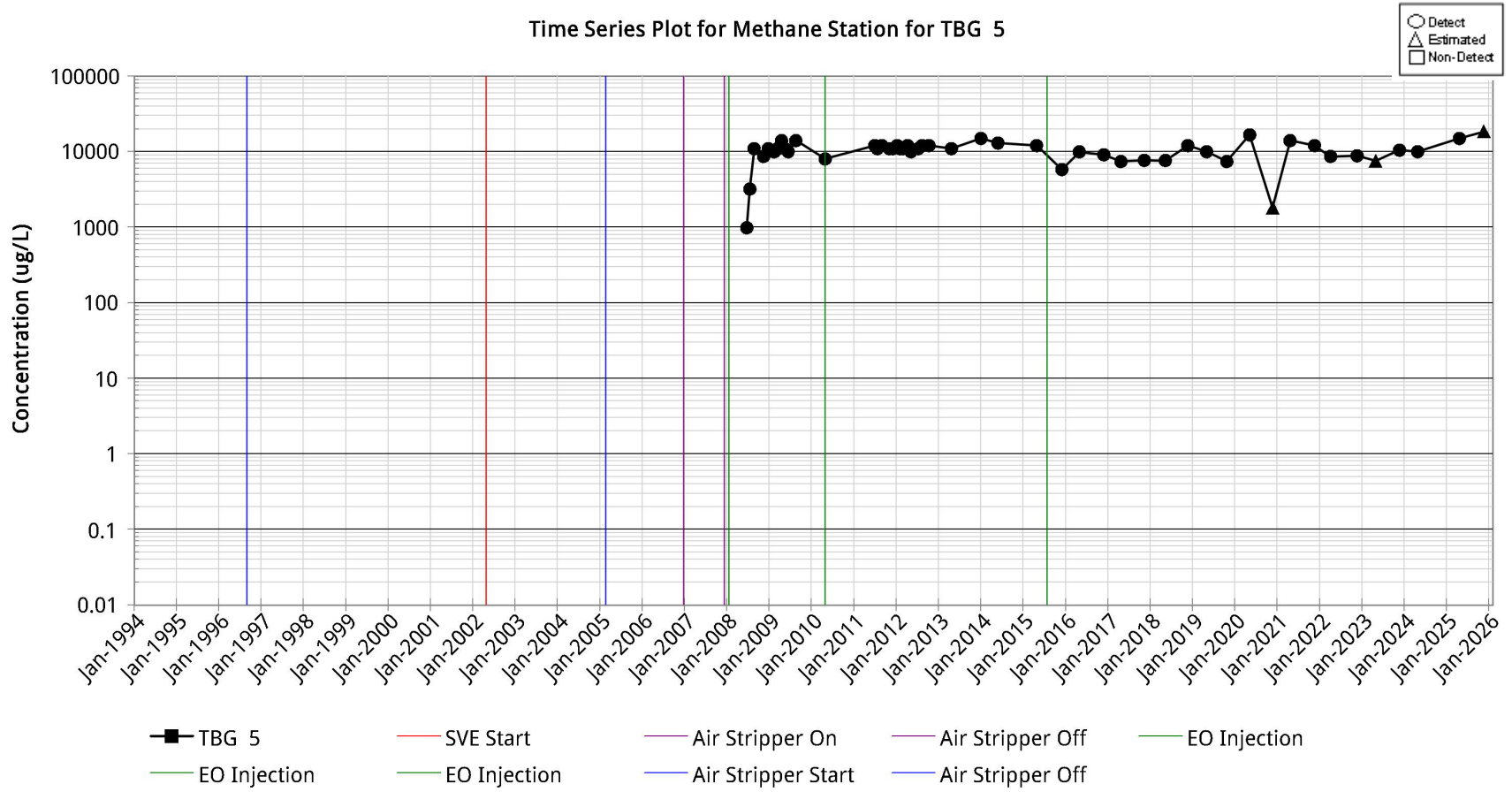
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 4
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Methane Station for TBG 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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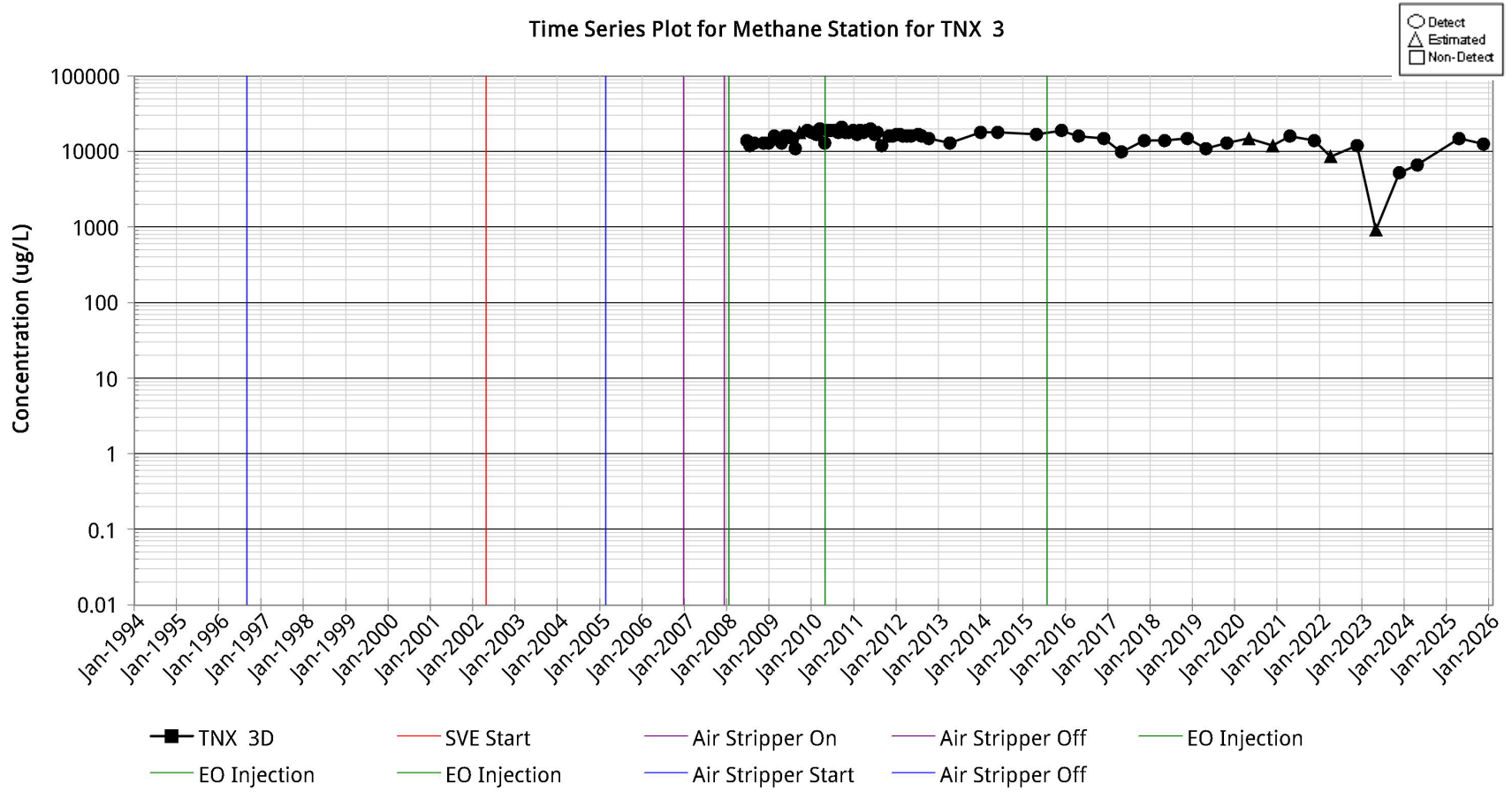
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 5
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Methane Station for TNX 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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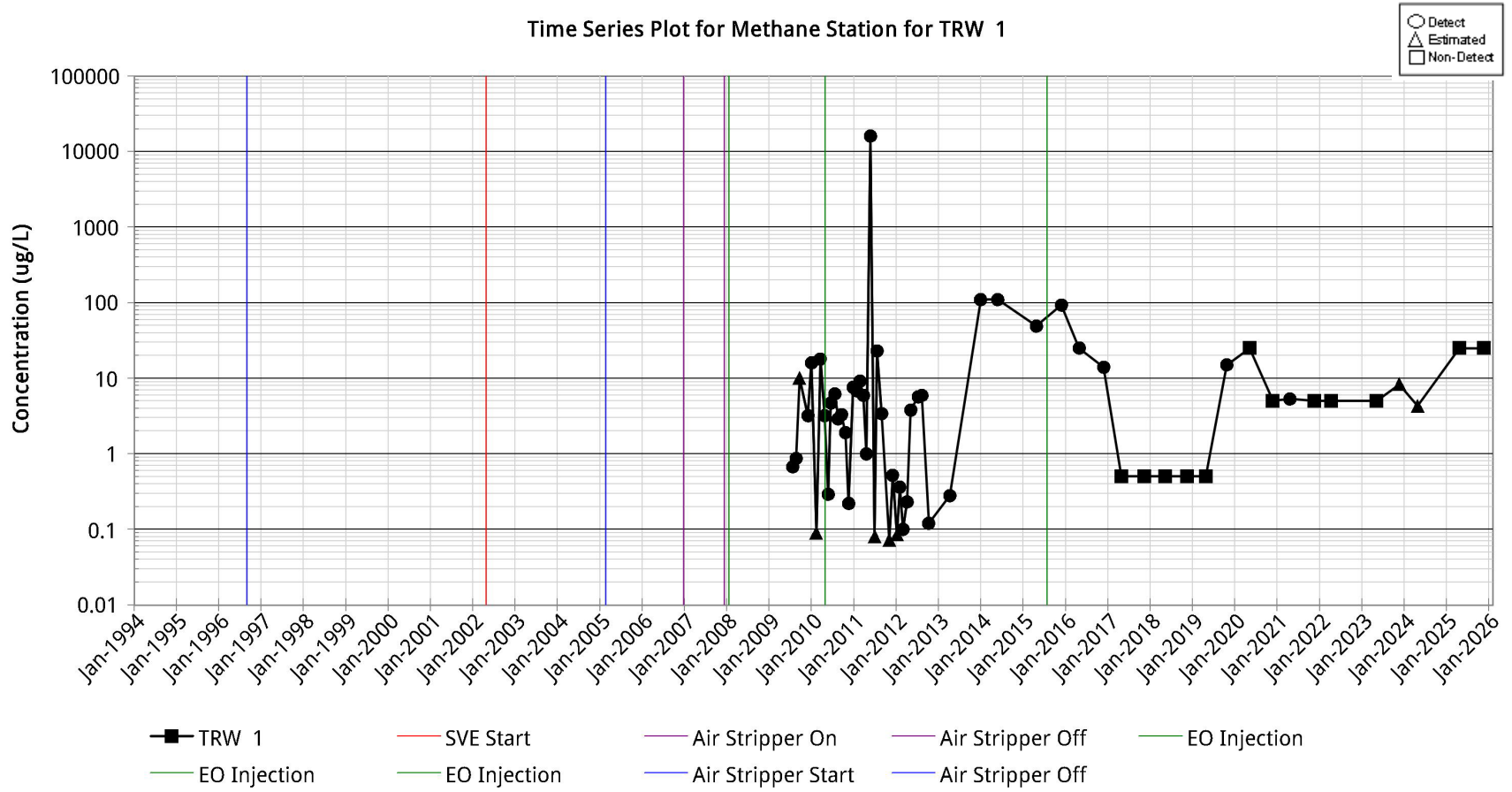
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 3D
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Methane Station for TRW 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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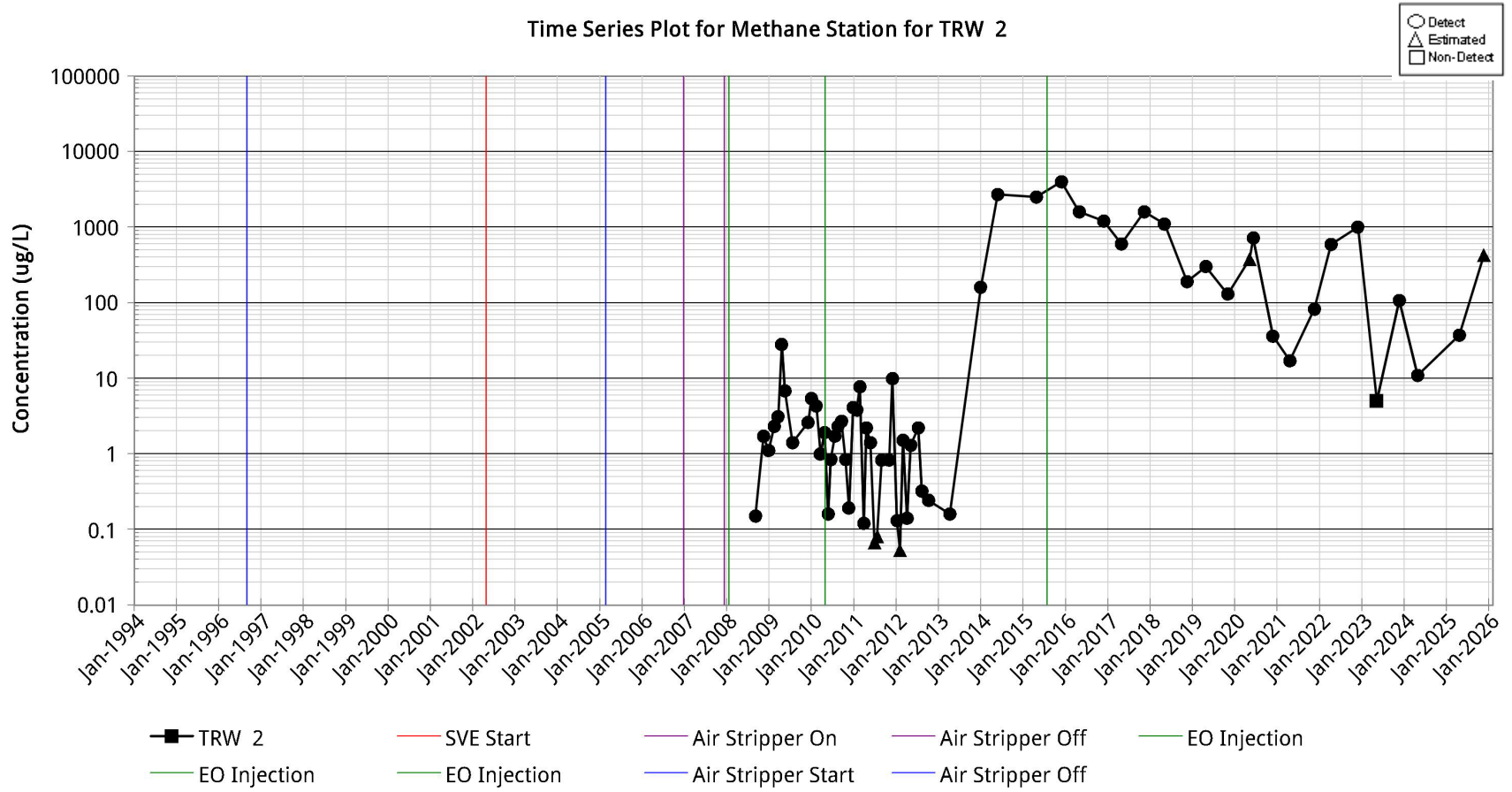
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 1
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Methane Station for TRW 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
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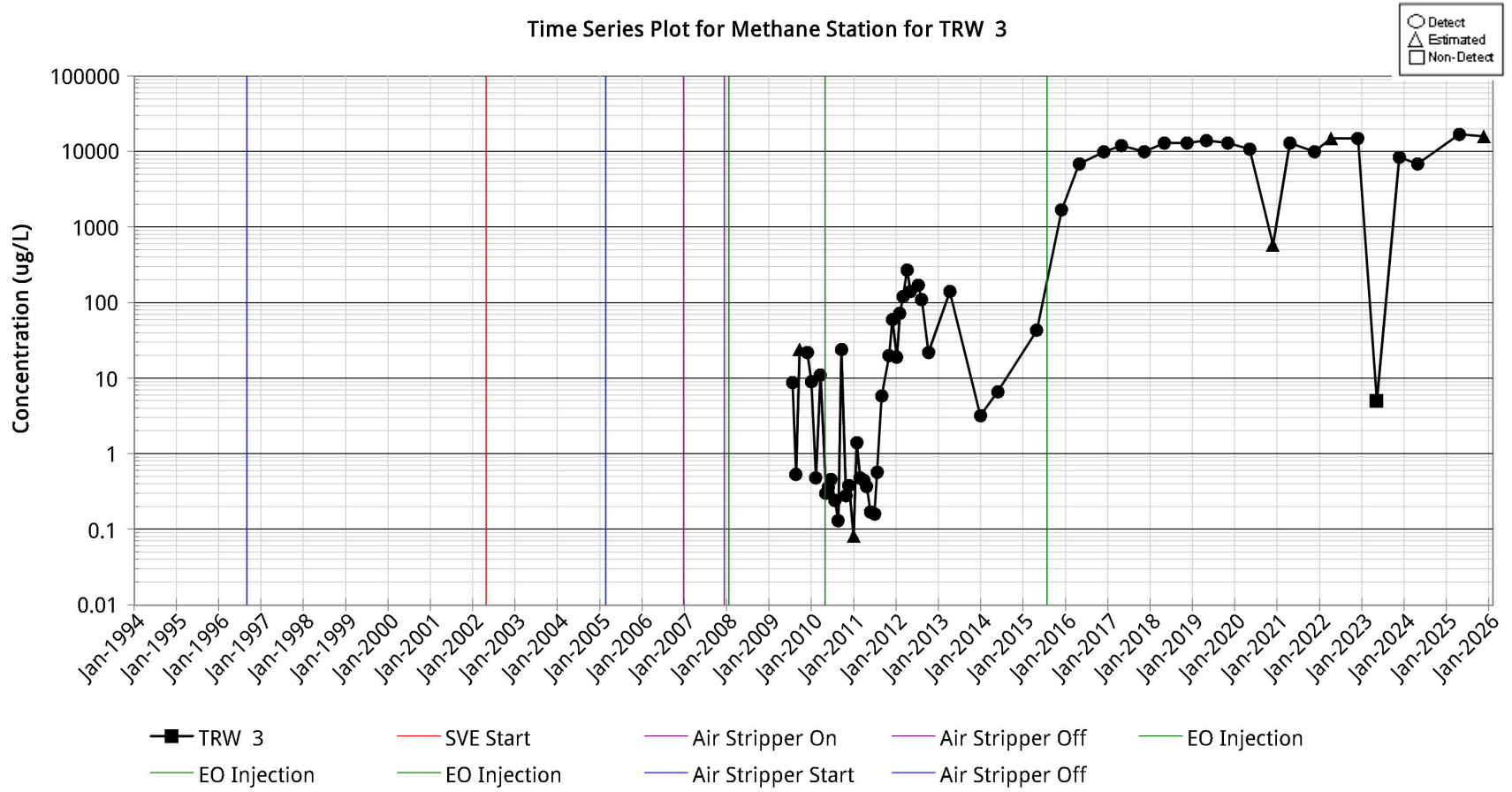
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 2
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Methane Station for TRW 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
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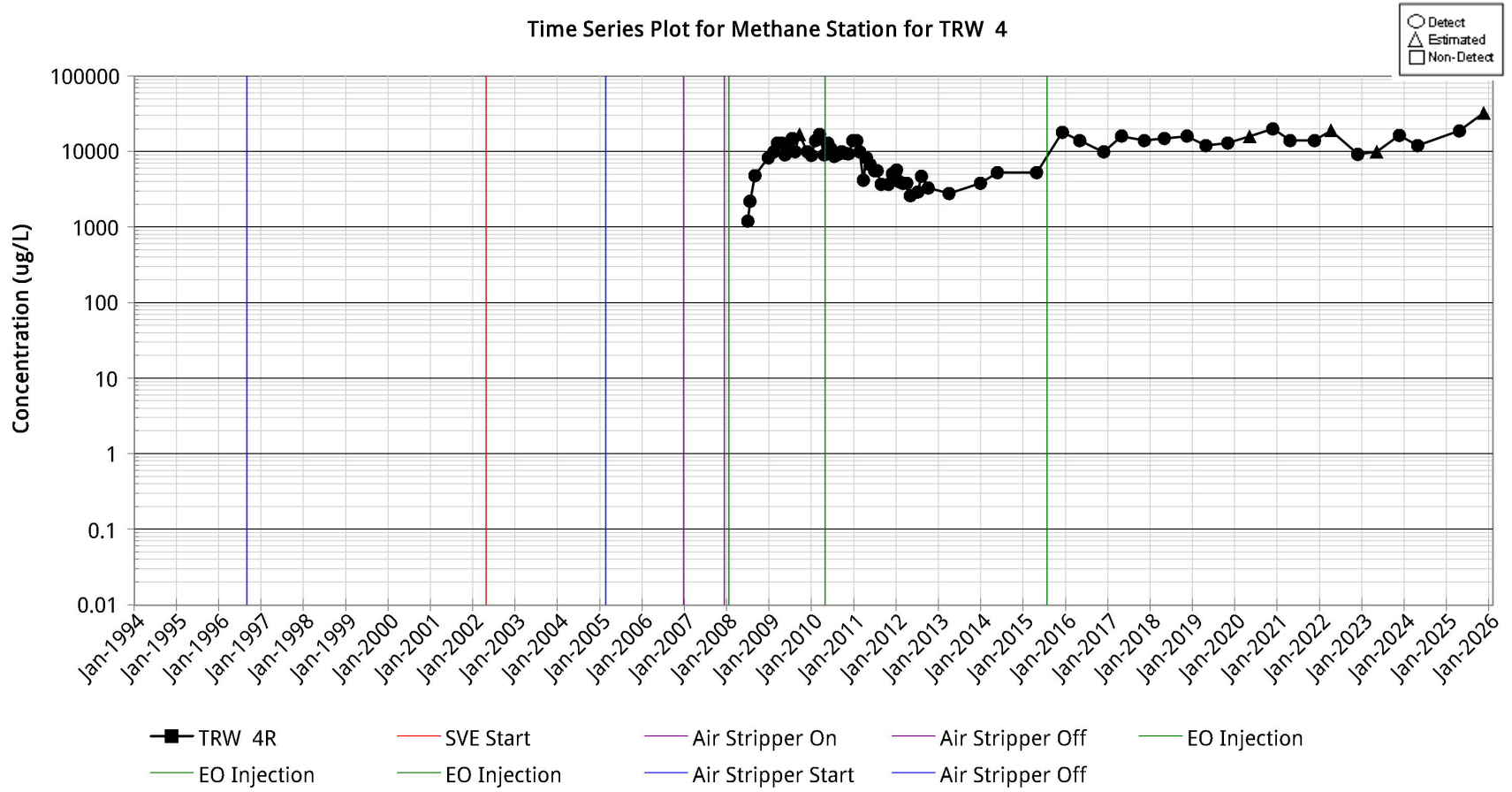
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 3
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Methane Station for TRW 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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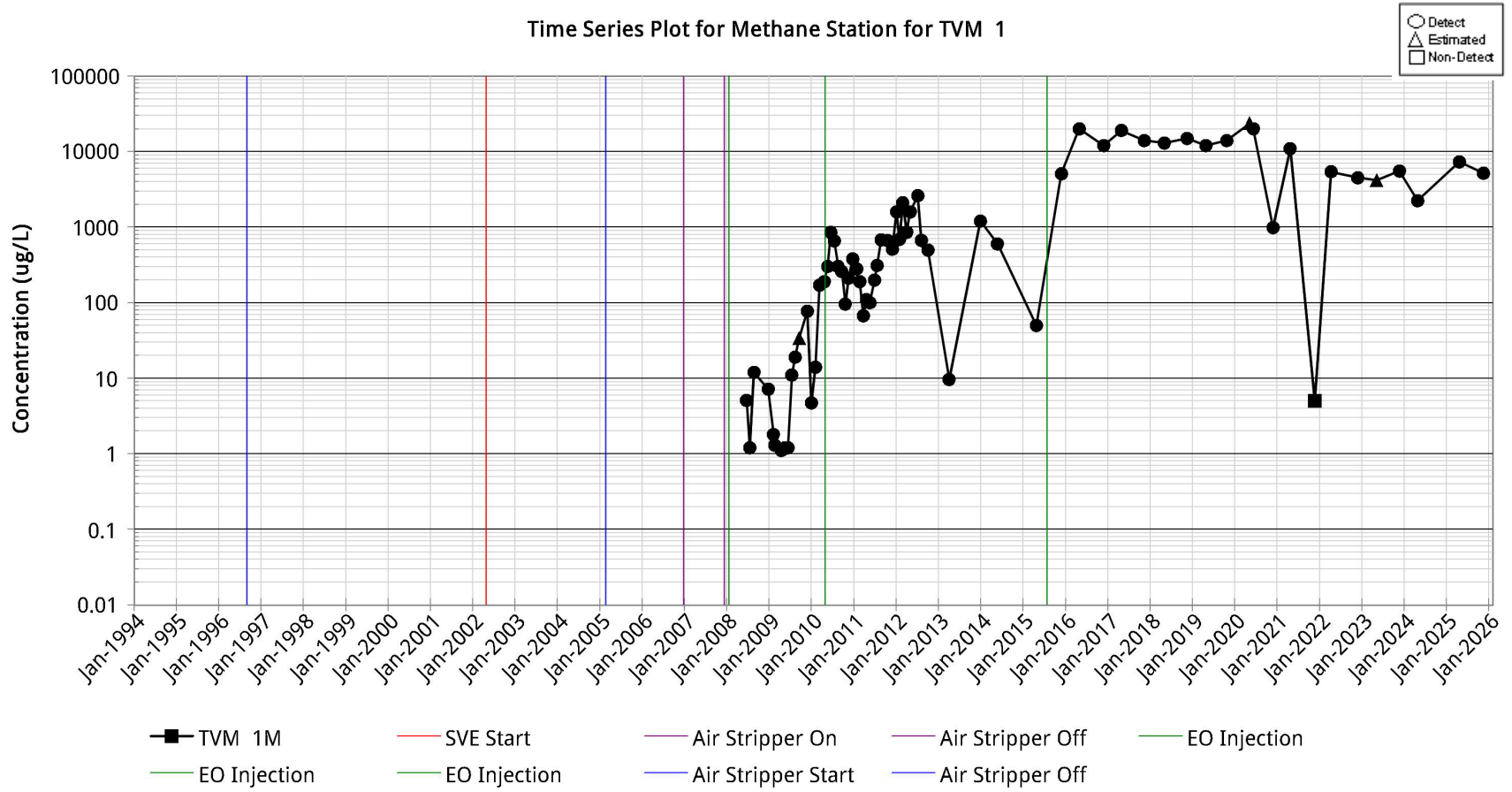
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 4R
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Methane Station for TVM 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
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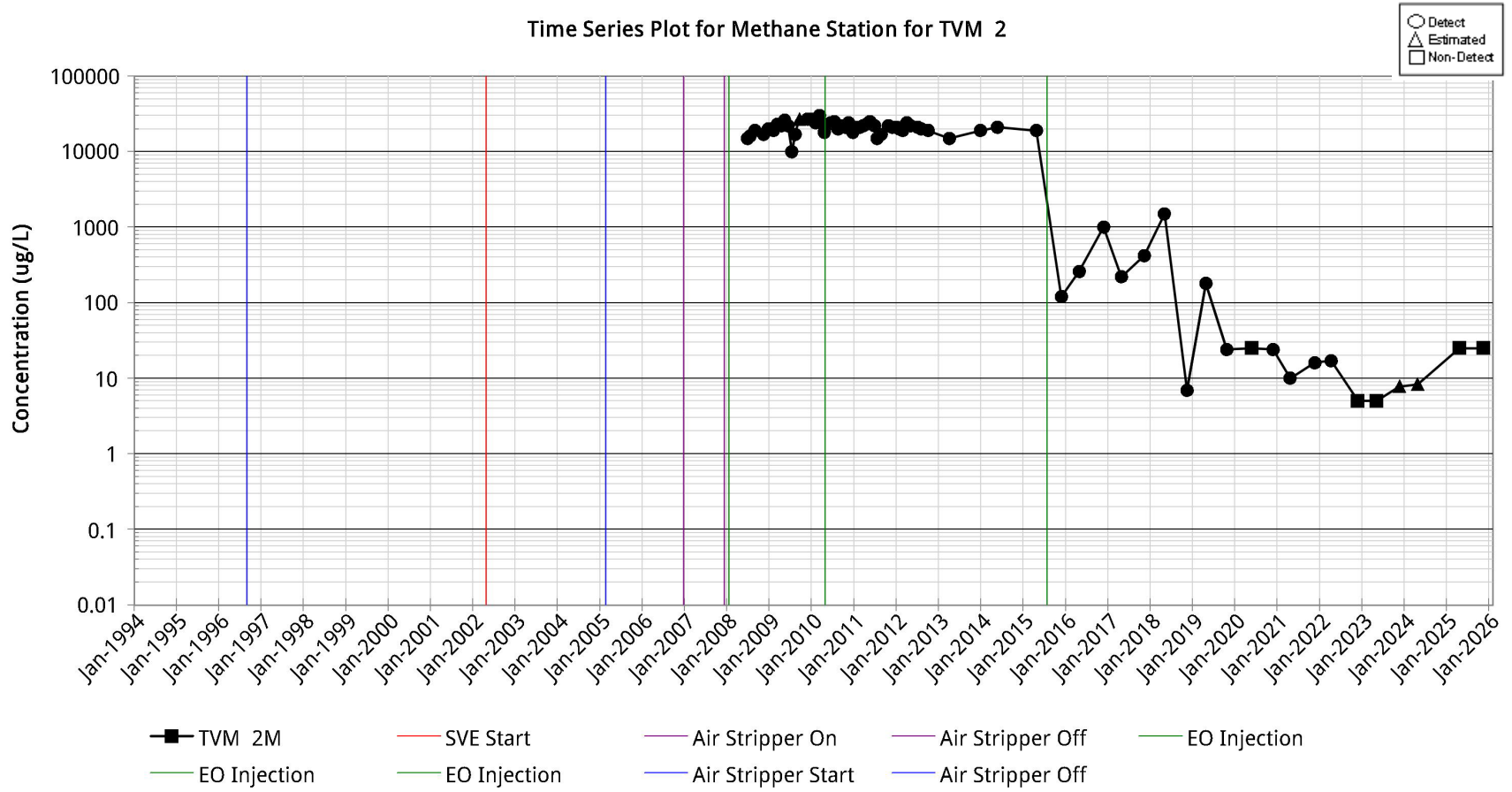
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 1M
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Methane Station for TVM 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
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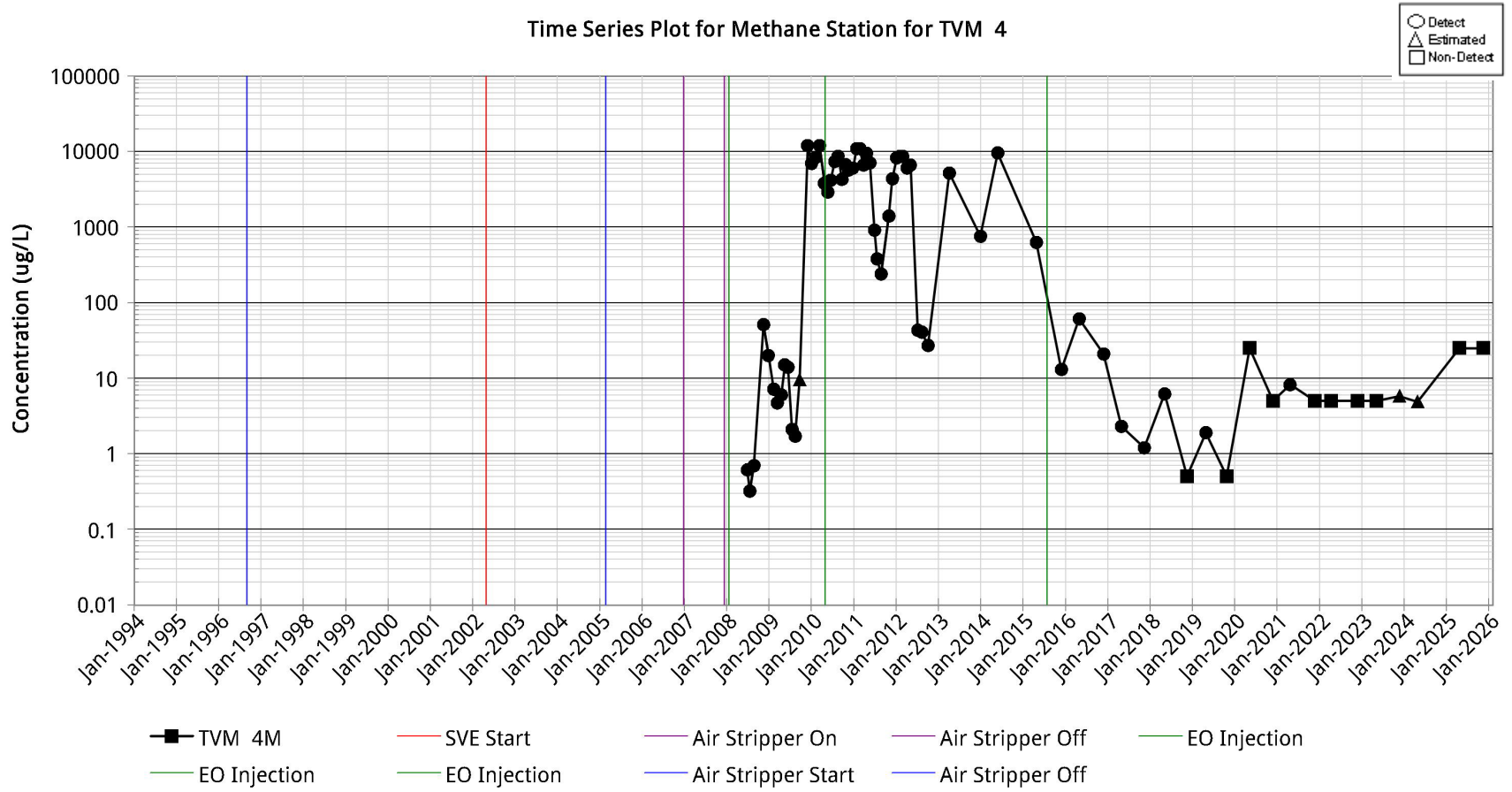
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 2M
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Methane Station for TVM 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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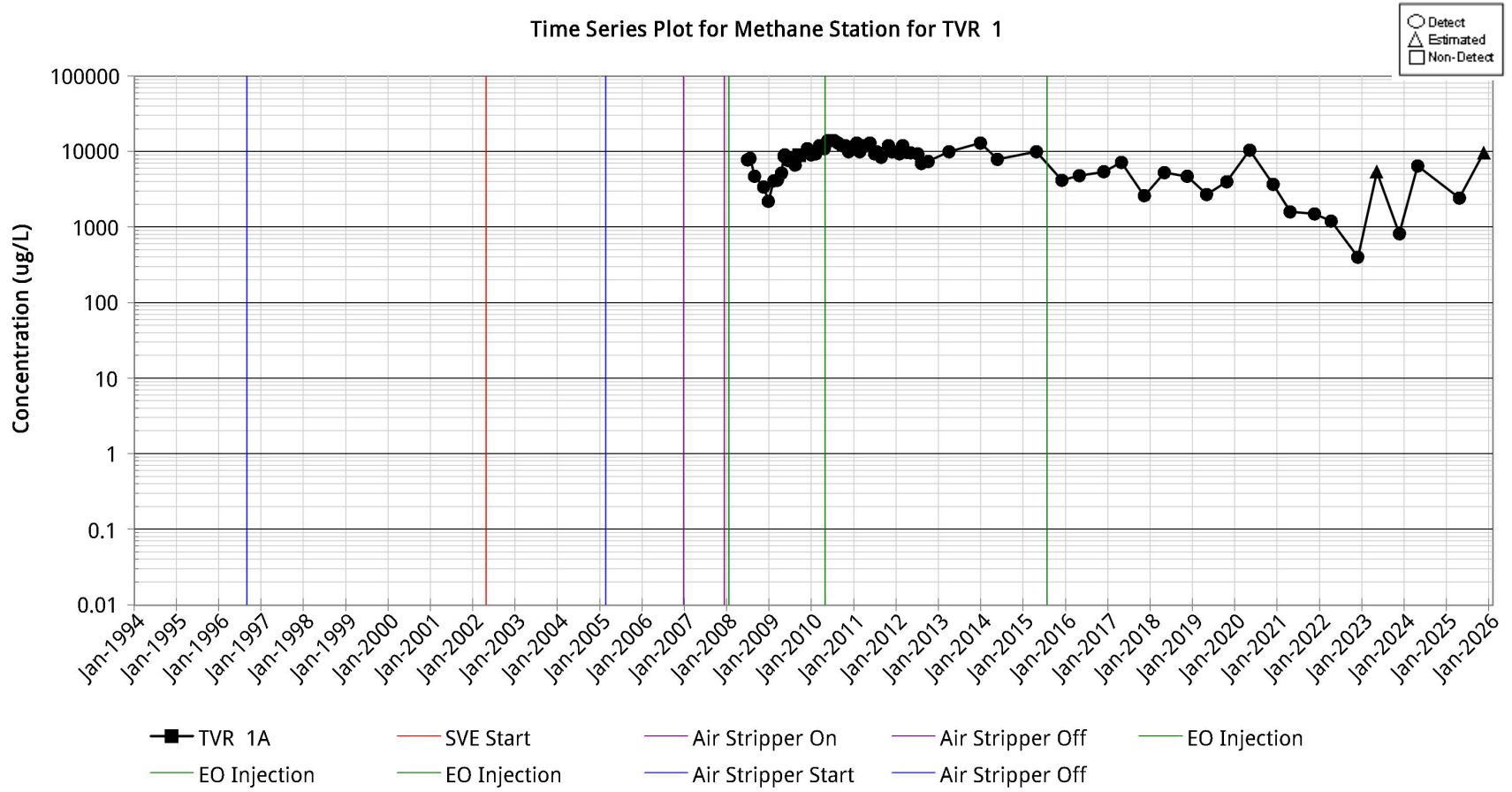
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 4M
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Methane Station for TVR 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
100000
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
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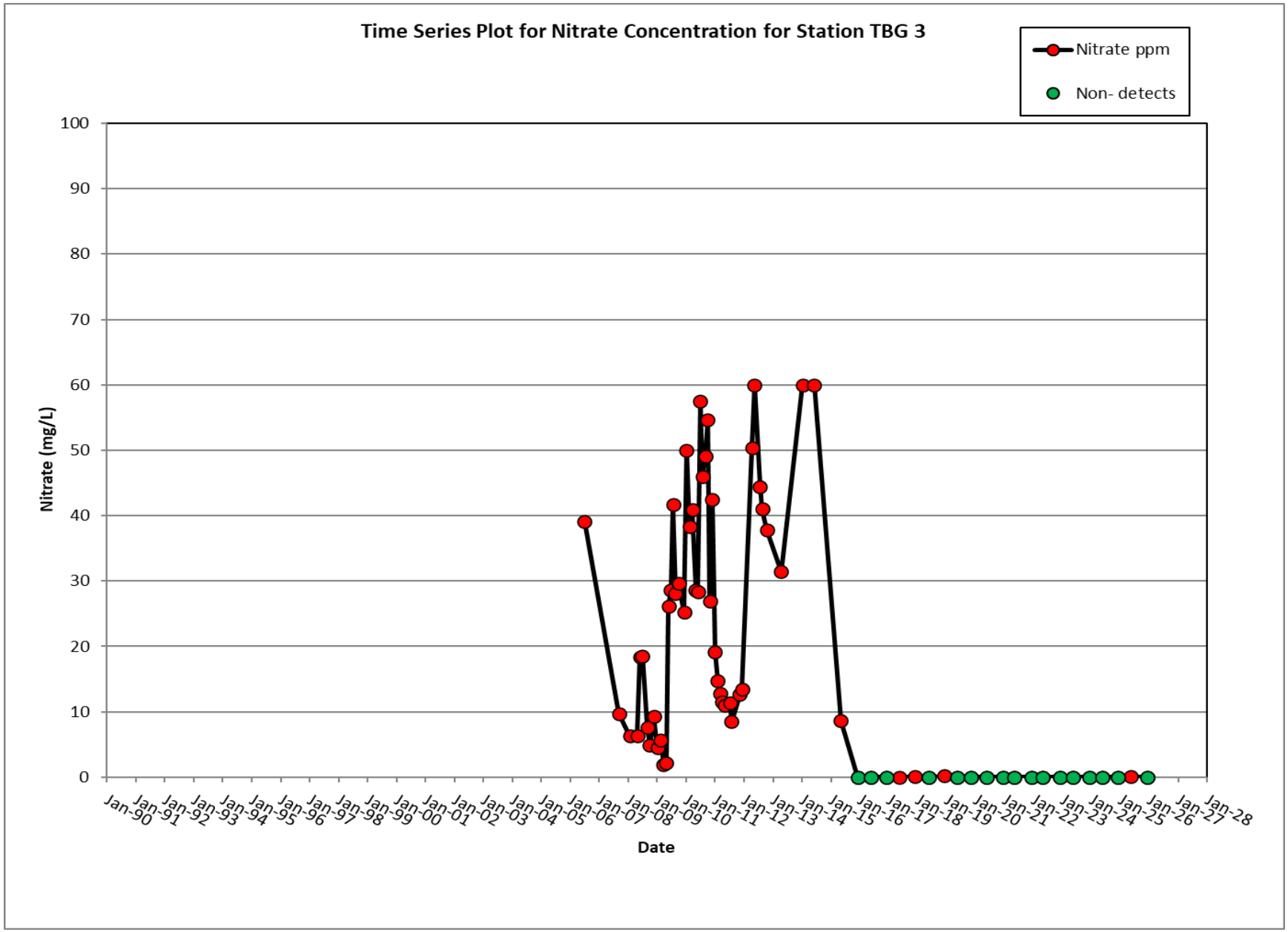
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVR 1A
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Nitrate Concentration for Station TBG 3
Nitrate ppm
Non- detects
Nitrate (mg/L)
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
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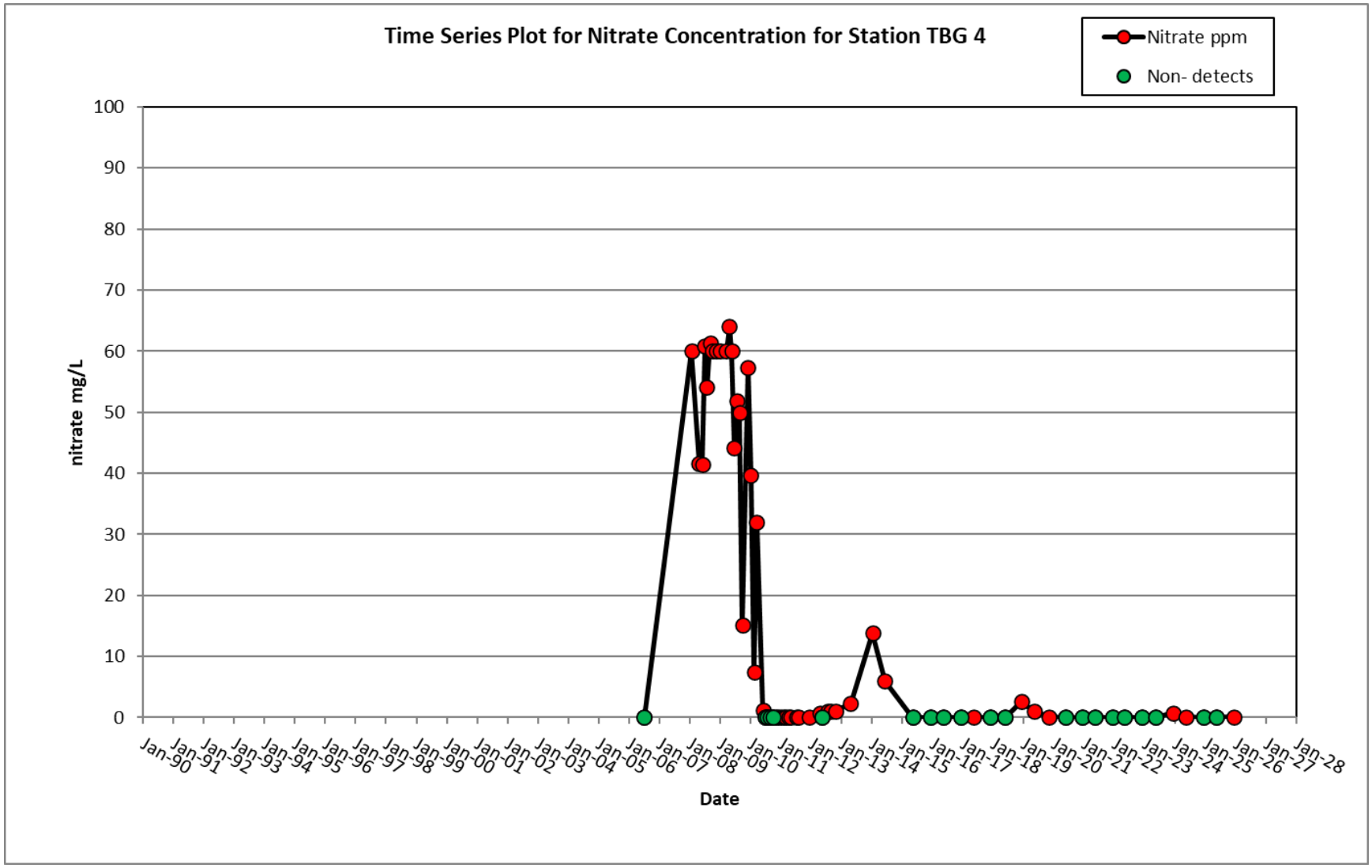
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Nitrate Concentration for Station TBG 4
Nitrate ppm
Non- detects
nitrate mg/L
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
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Jan-21
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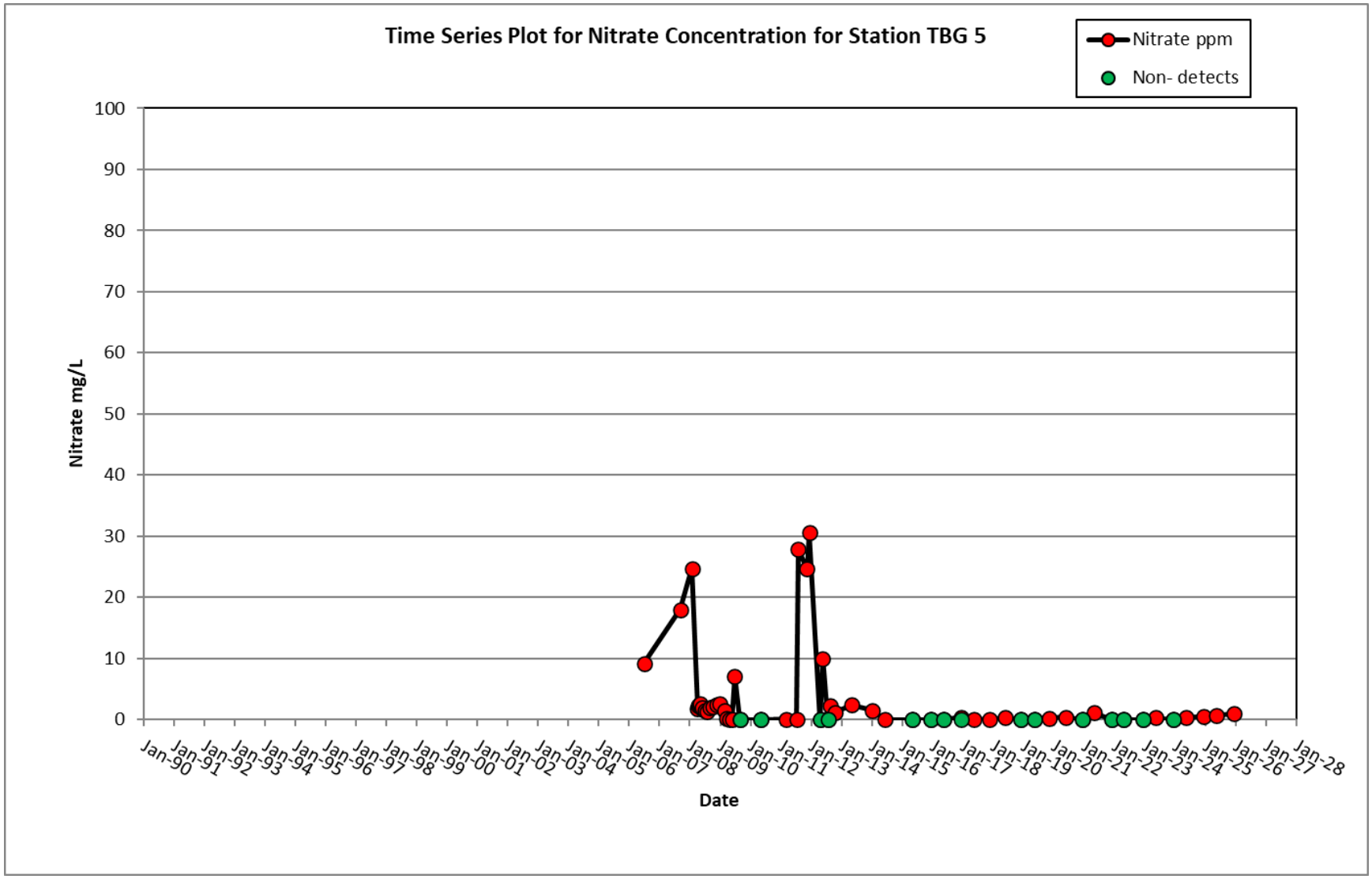
Jan-23
Jan-24
Jan-25
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Nitrate Concentration for Station TBG 5
Nitrate ppm
Non- detects
Nitrate mg/L
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
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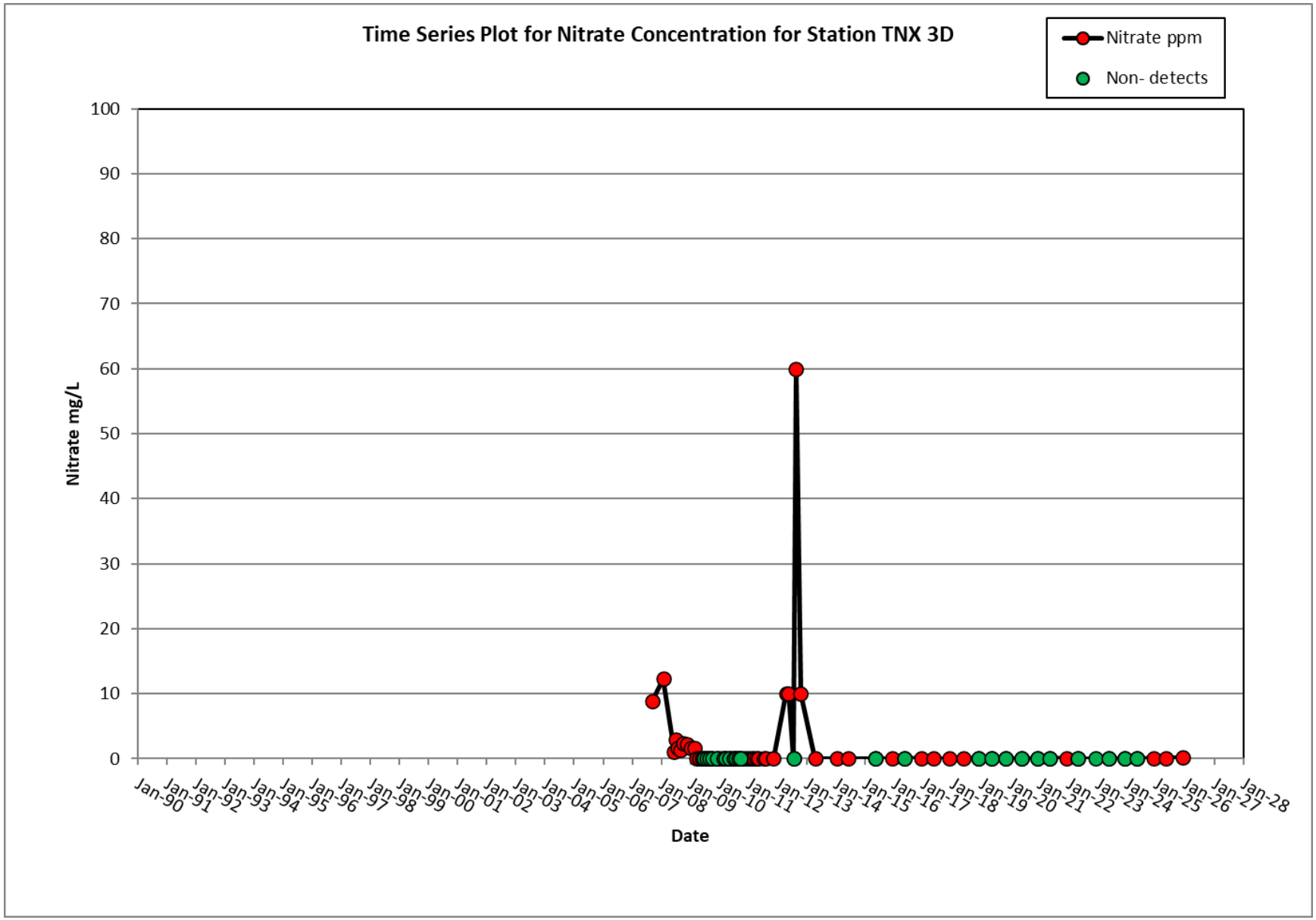
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Nitrate Concentration for Station TNX 3D
Nitrate ppm
Non- detects
Nitrate mg/L
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
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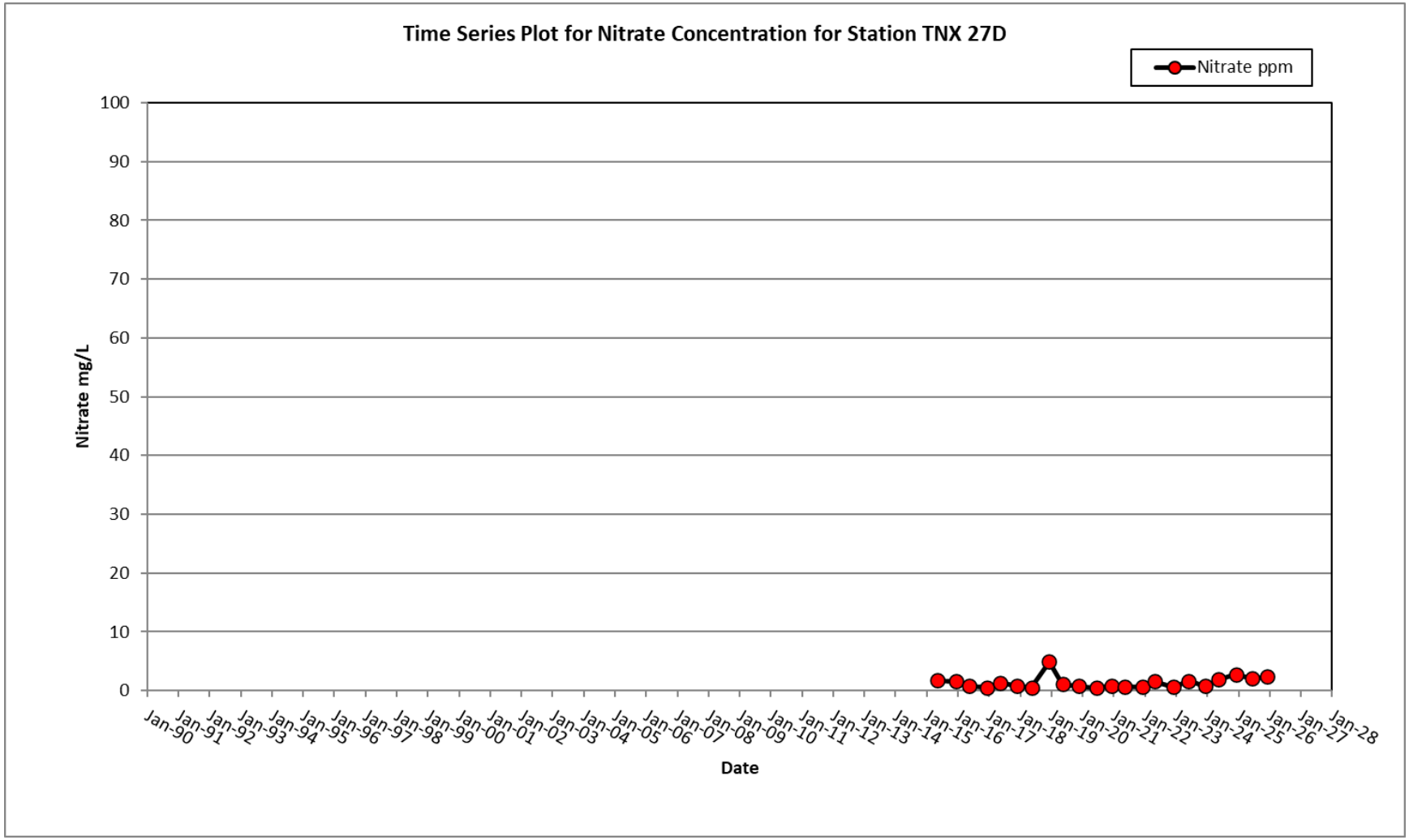
Jan-28
Date


Time Series Plot for Nitrate Concentration for Station TNX 27D
Nitrate ppm
Nitrate mg/L
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
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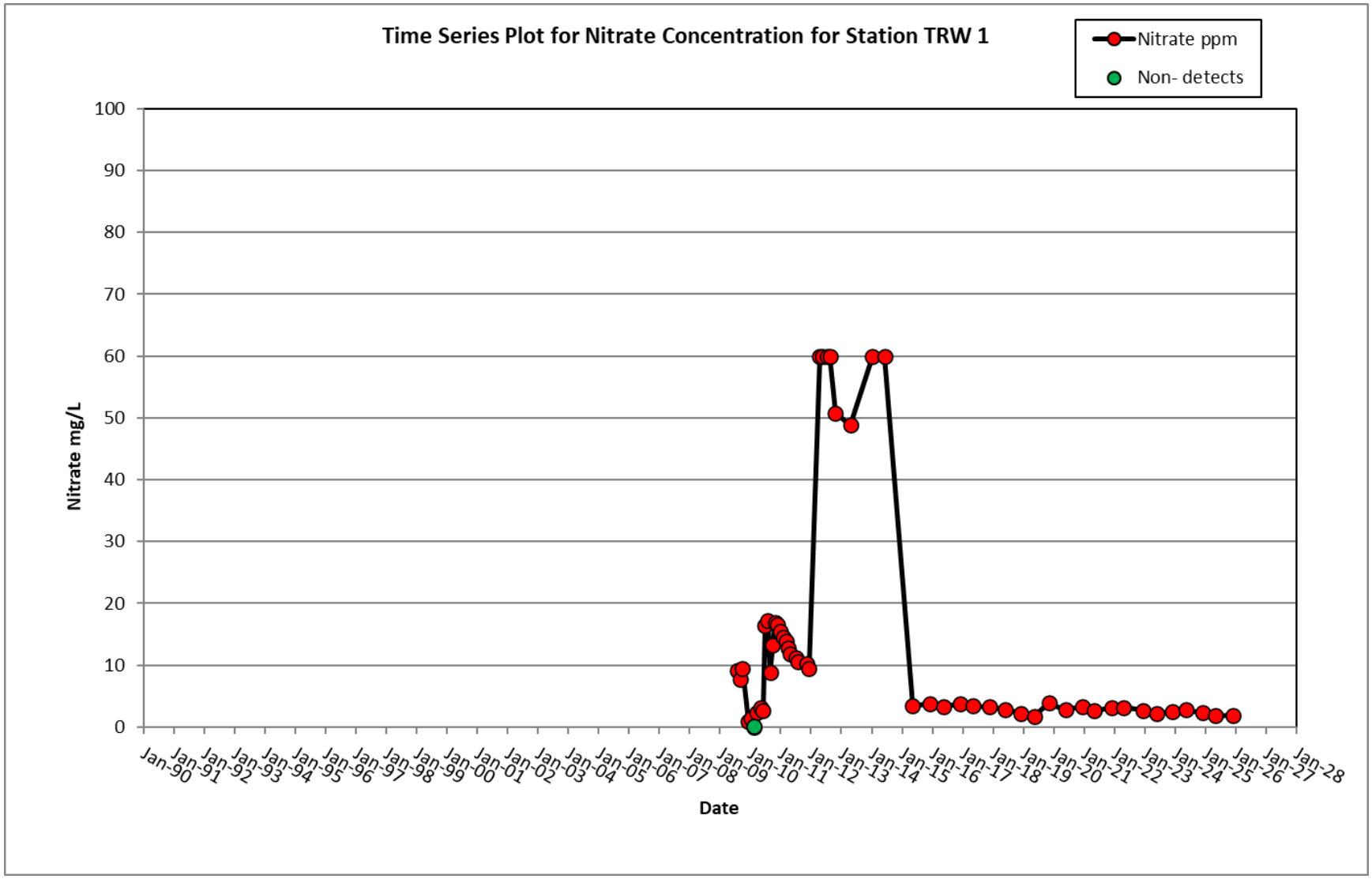
Jan-28
Date


Time Series Plot for Nitrate Concentration for Station TRW 1
Nitrate ppm
Non- detects
Nitrate mg/L
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
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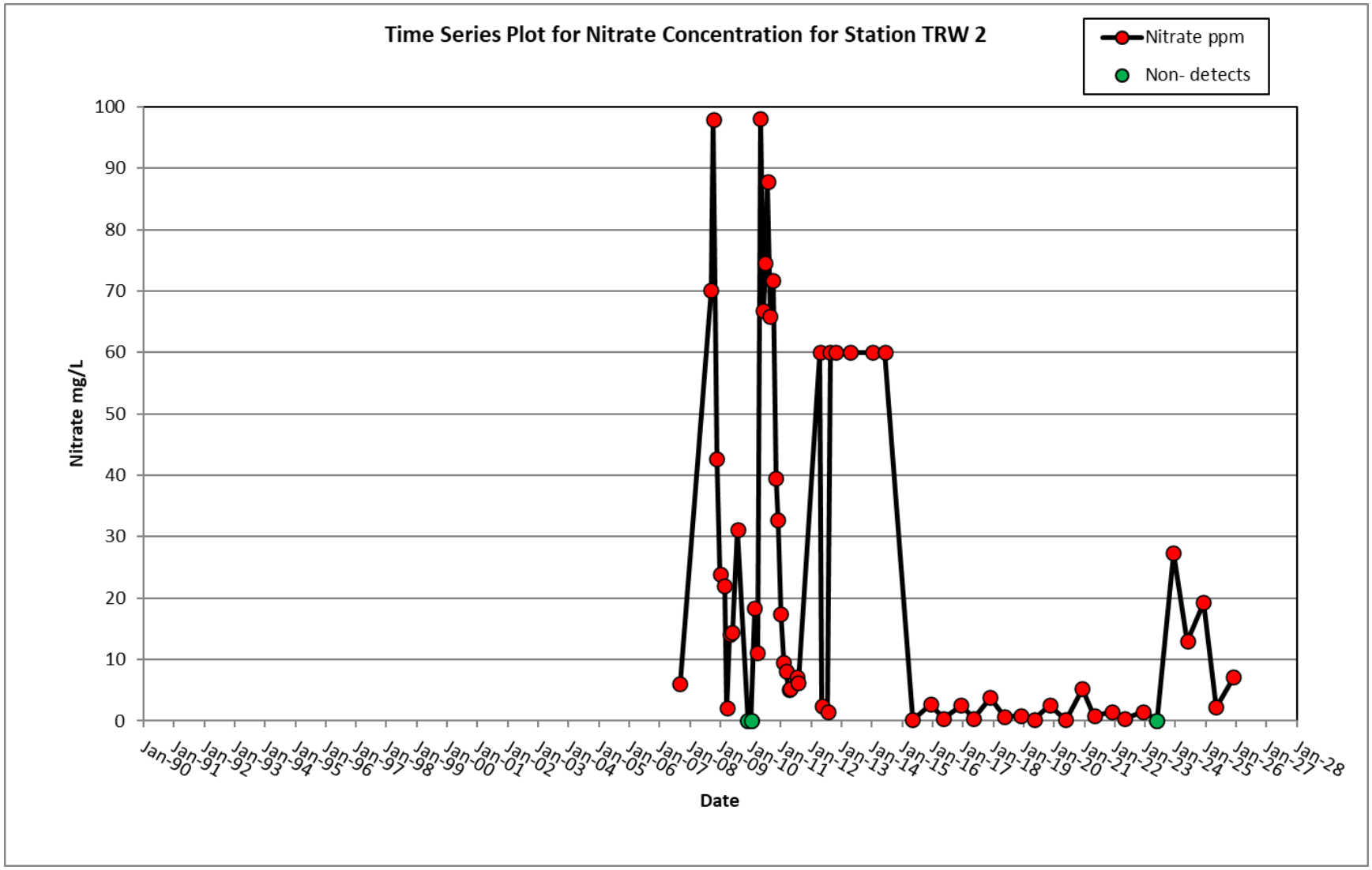
Jan-24
Jan-25
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Nitrate Concentration for Station TRW 2
Nitrate ppm
Non- detects
Nitrate mg/L
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
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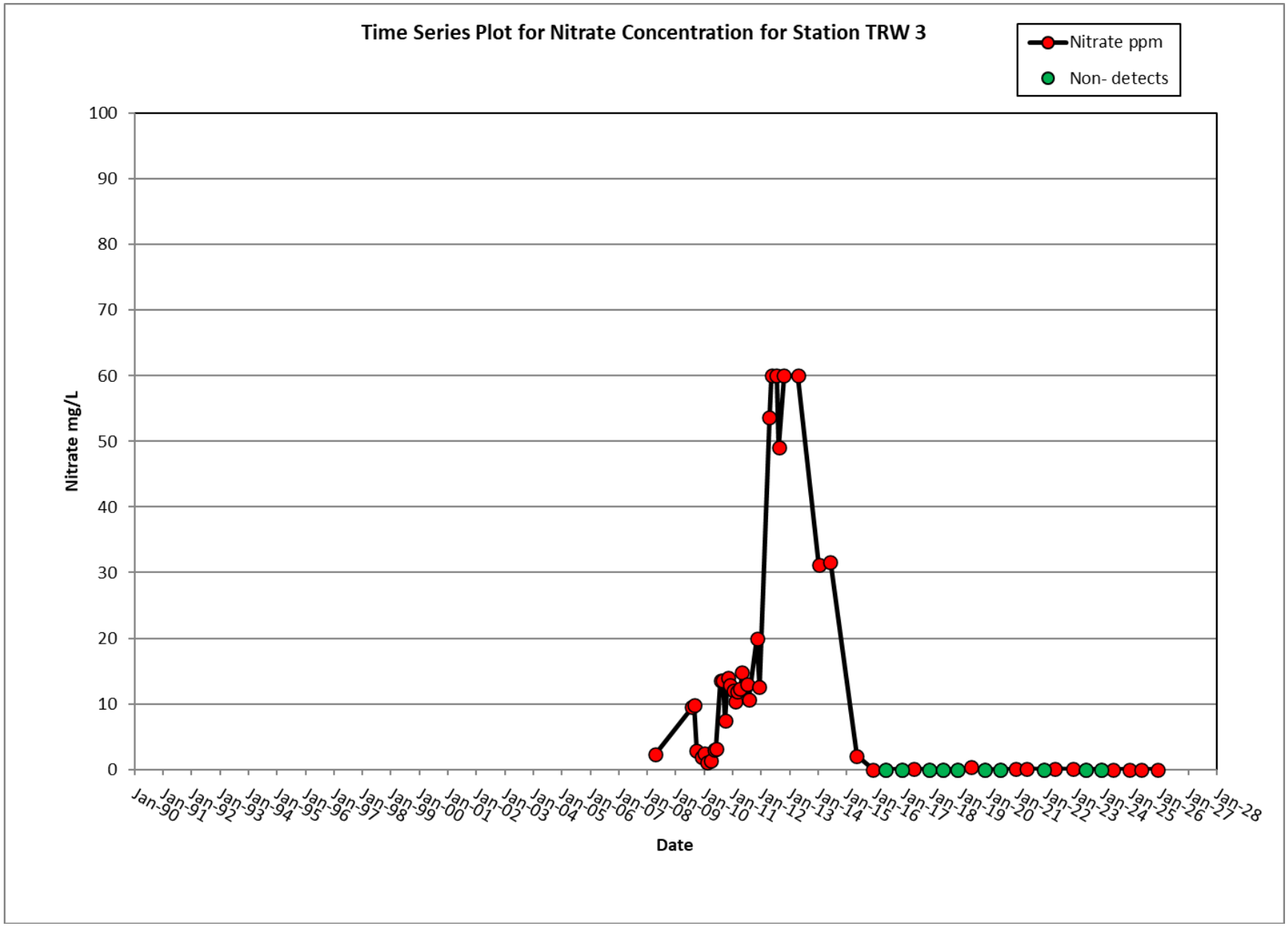
Jan-23
Jan-24
Jan-25
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Nitrate Concentration for Station TRW 3
Nitrate ppm
Non- detects
Nitrate mg/L
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
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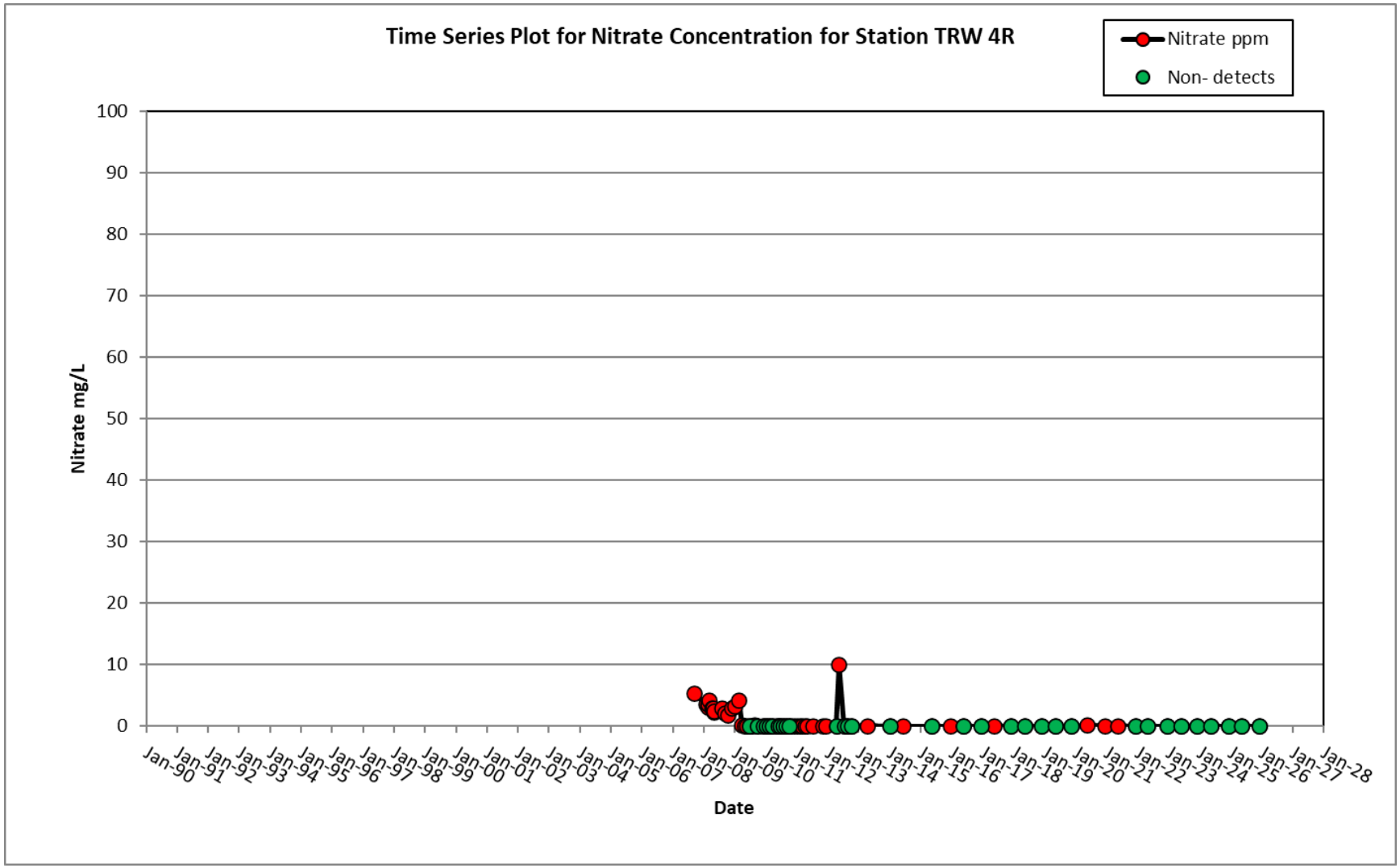
Jan-25
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Nitrate Concentration for Station TRW 4R
Nitrate ppm
Non- detects
Nitrate mg/L
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
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Jan-20
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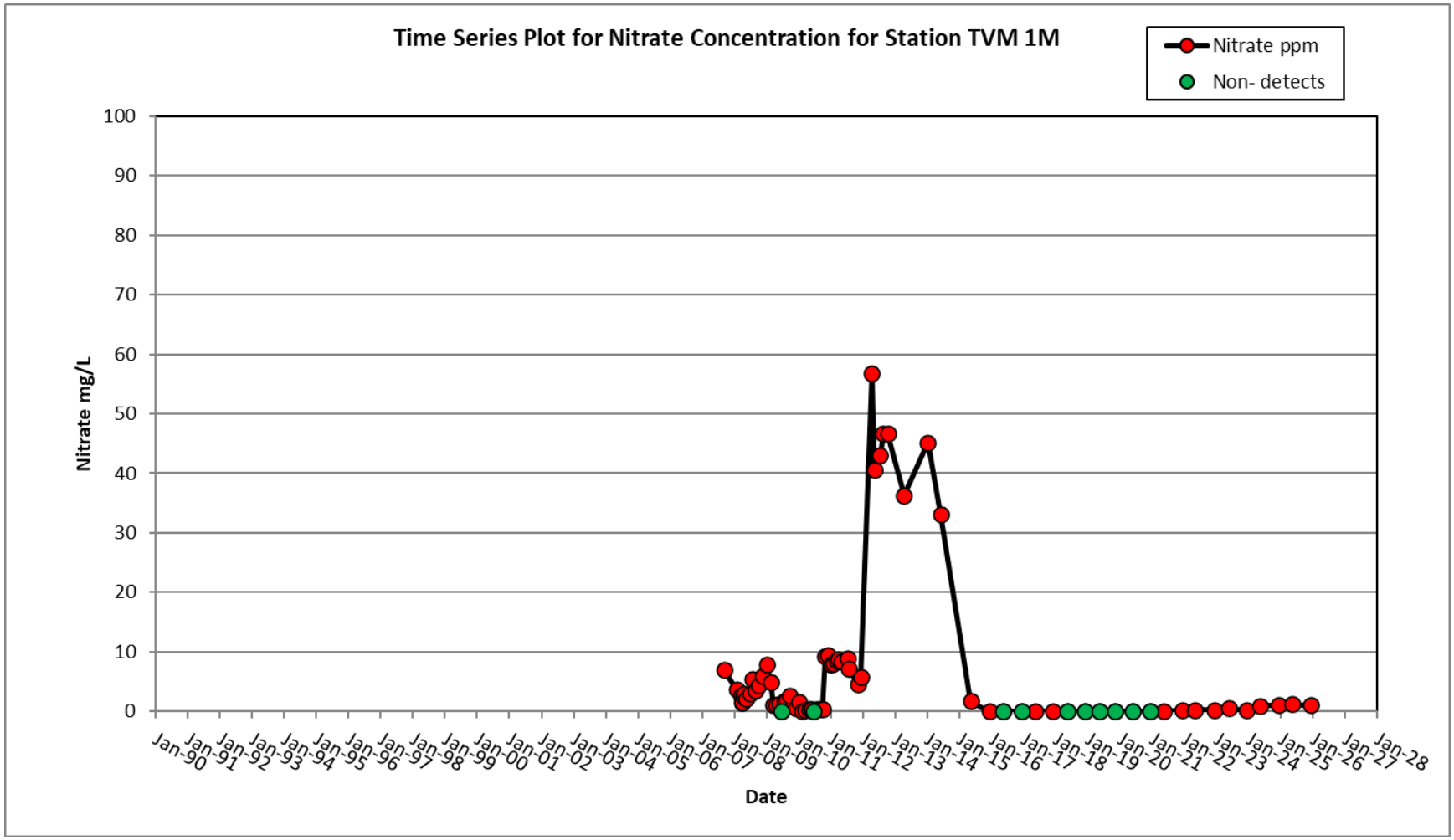
Jan-24
Jan-25
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Nitrate Concentration for Station TVM 1M
Nitrate ppm
Non- detects
Nitrate mg/L
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
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Jan-08
Jan-09
Jan-10
Jan-11
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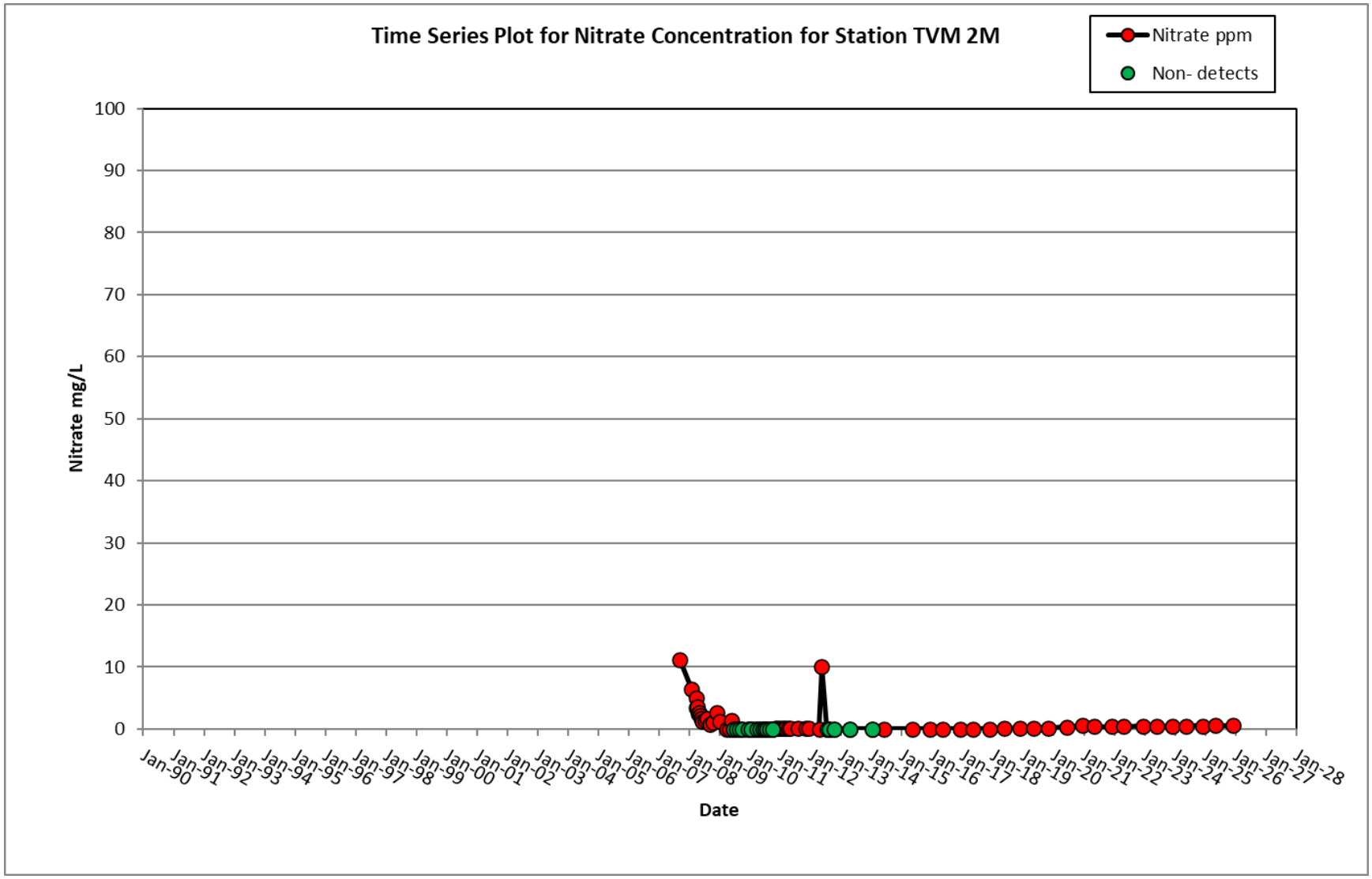
Jan-23
Jan-24
Jan-25
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Nitrate Concentration for Station TVM 2M
Nitrate ppm
Non- detects
Nitrate mg/L
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
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Jan-16
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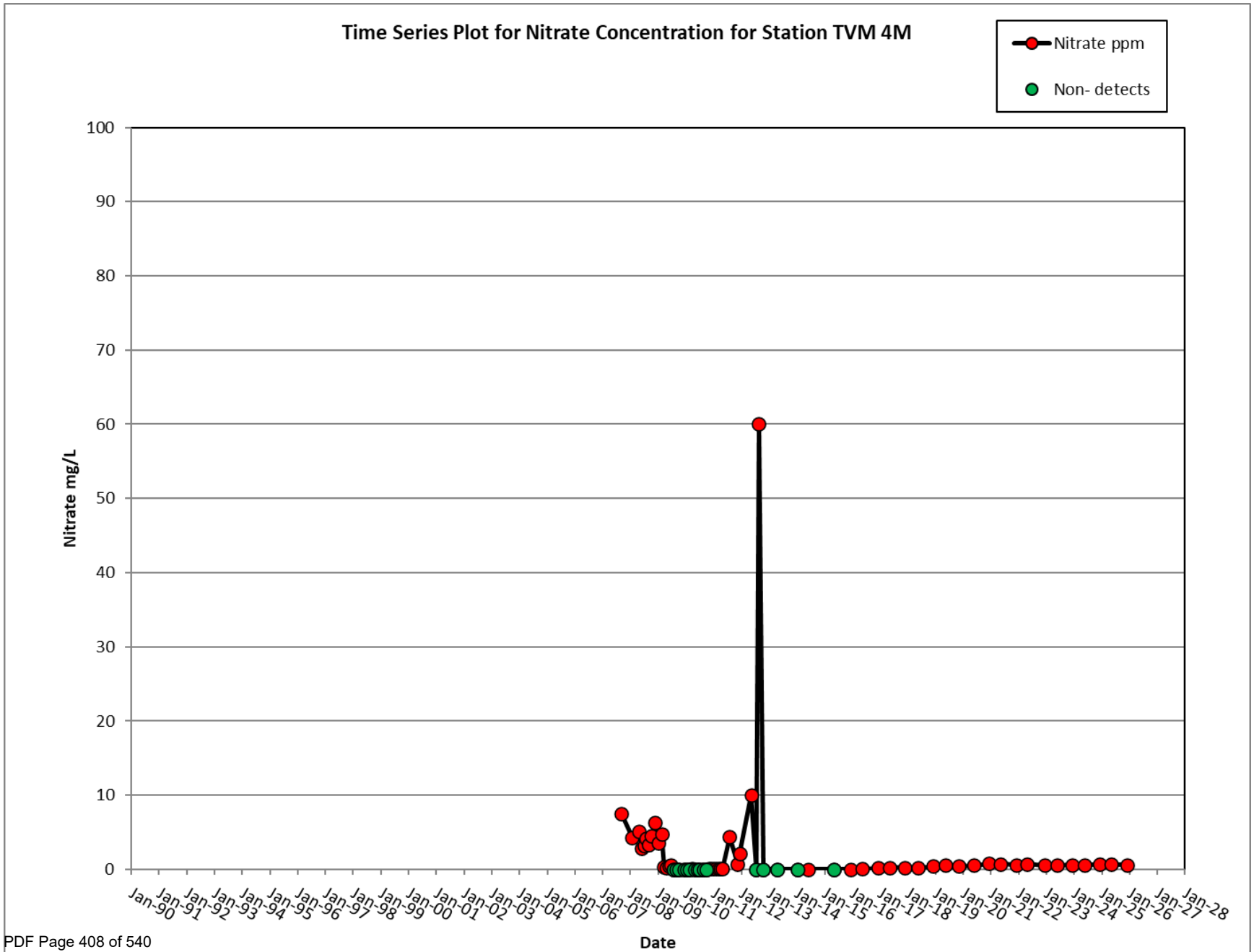
Jan-25
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Nitrate Concentration for Station TVM 4M
Nitrate ppm
Non- detects
Nitrate mg/L
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
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Jan-10
Jan-11
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Jan-16
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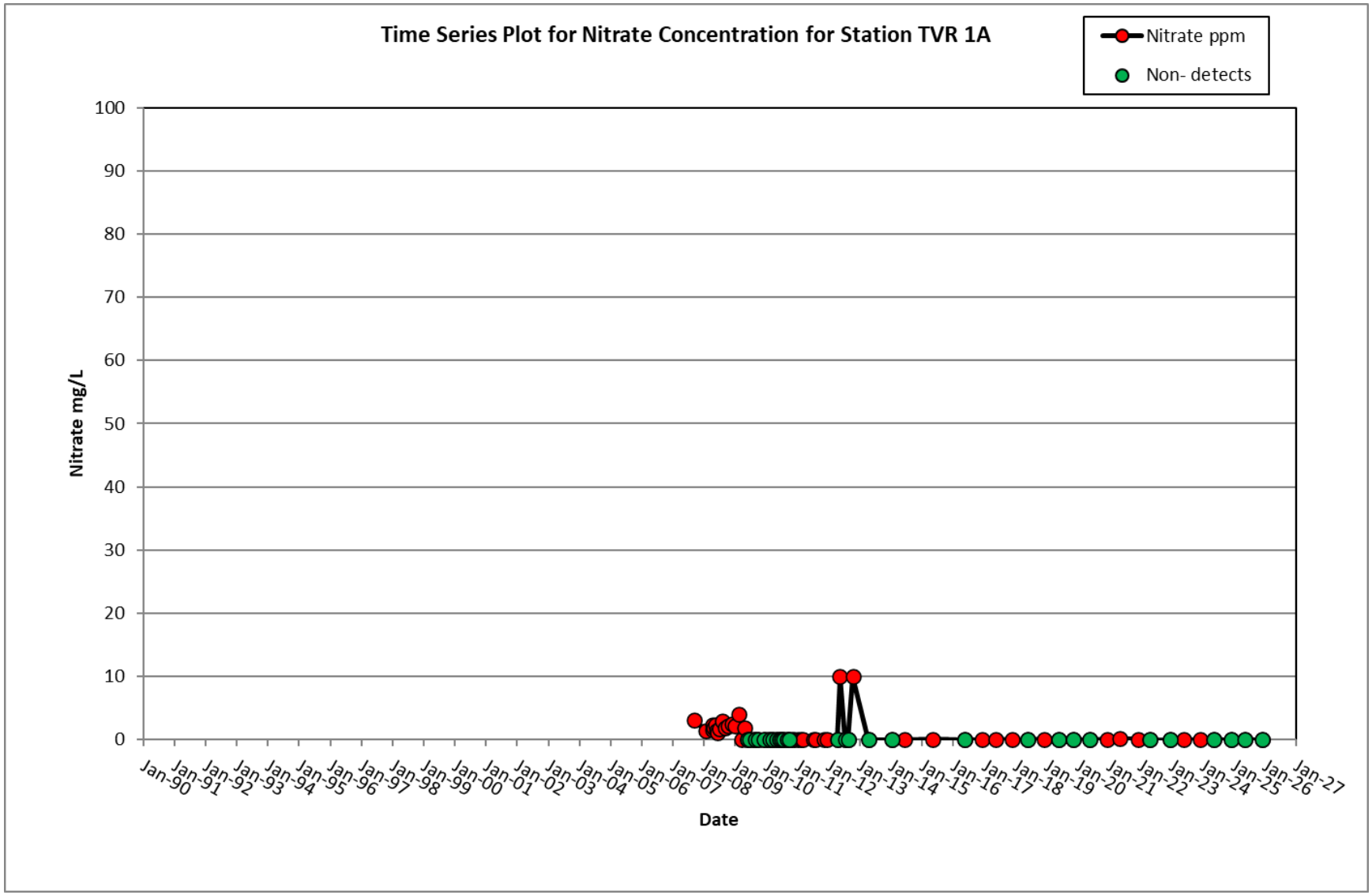
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Nitrate Concentration for Station TVR 1A
Nitrate ppm
Non- detects
Nitrate mg/L
100
90
80
70
60
50
40
30
20
10
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
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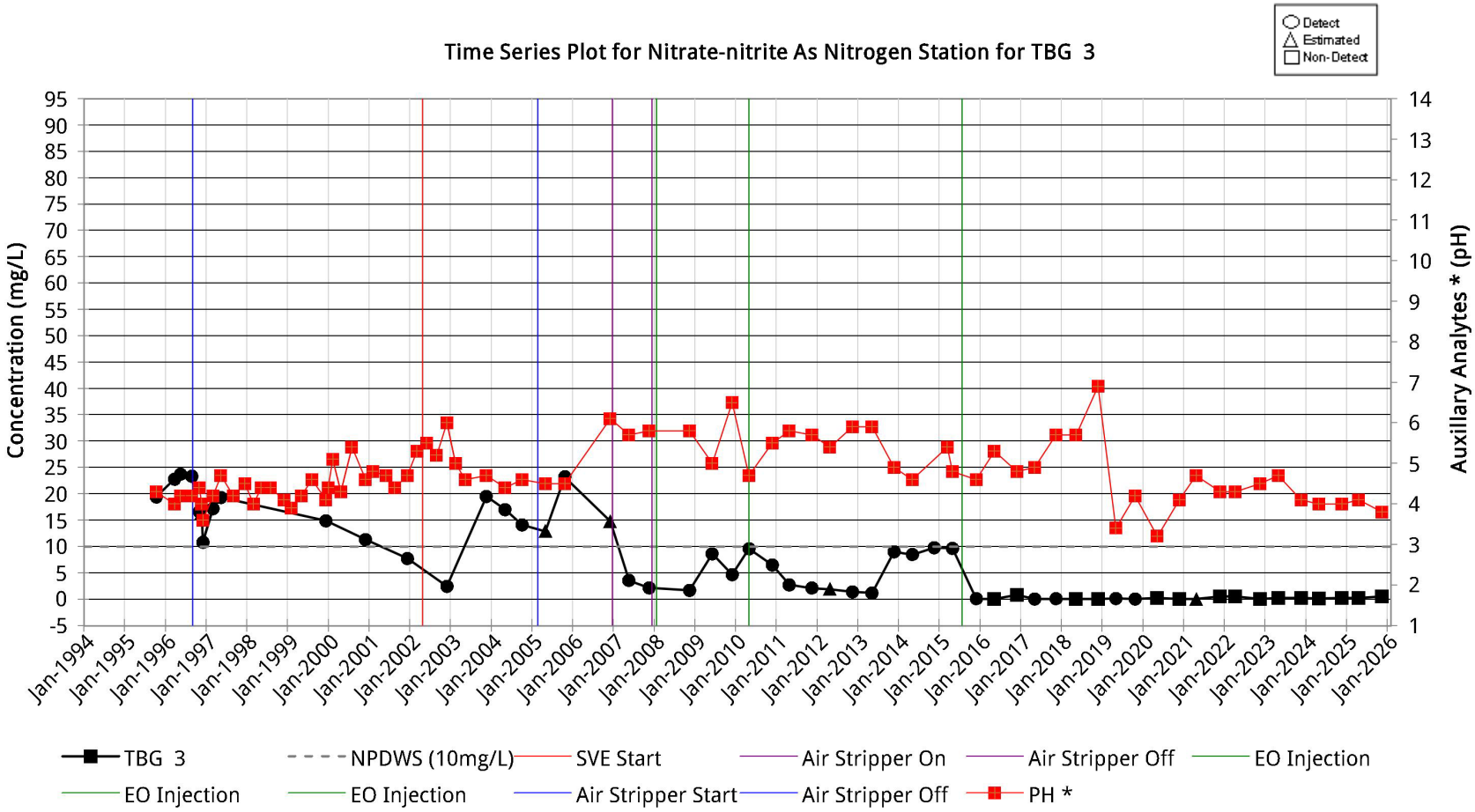
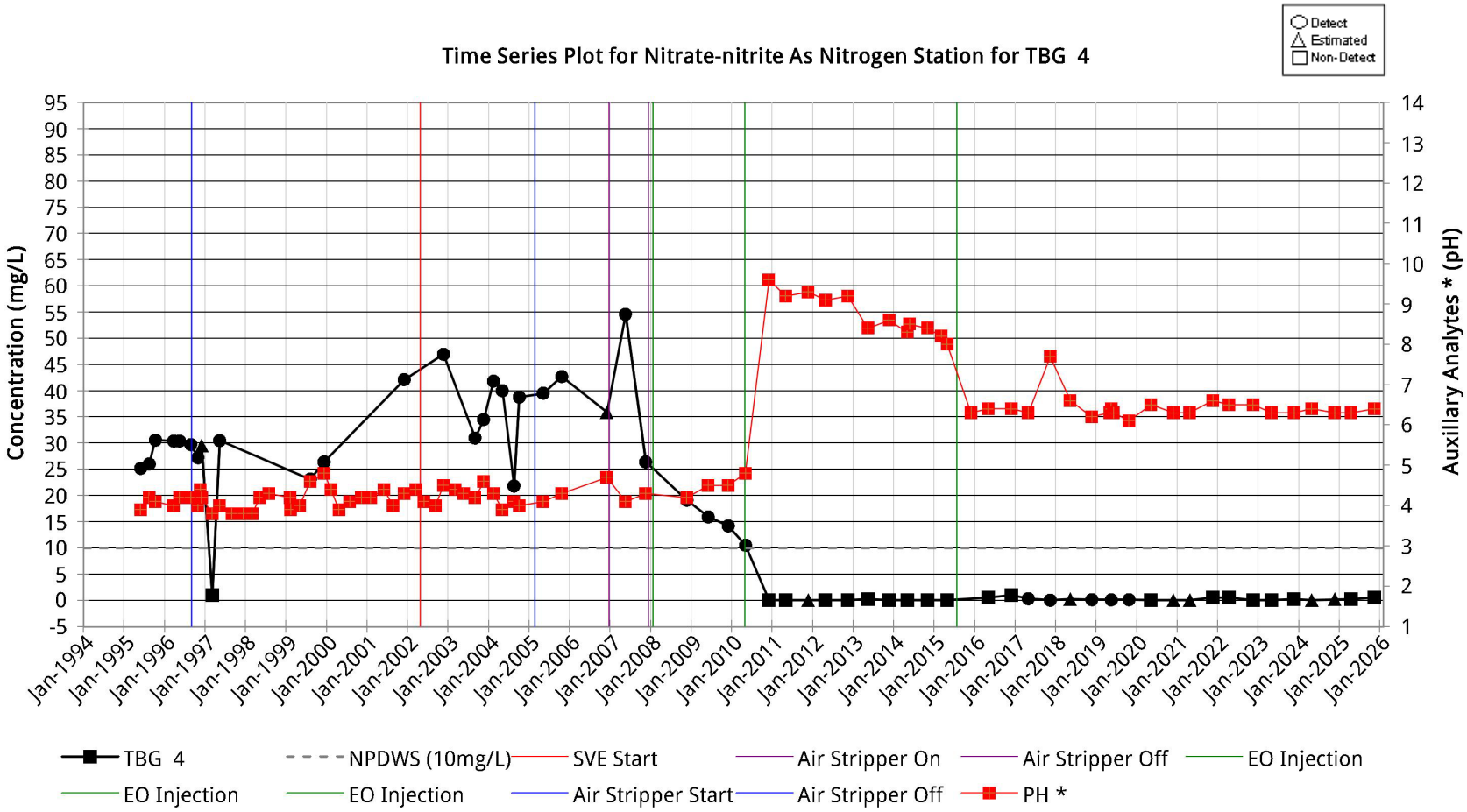
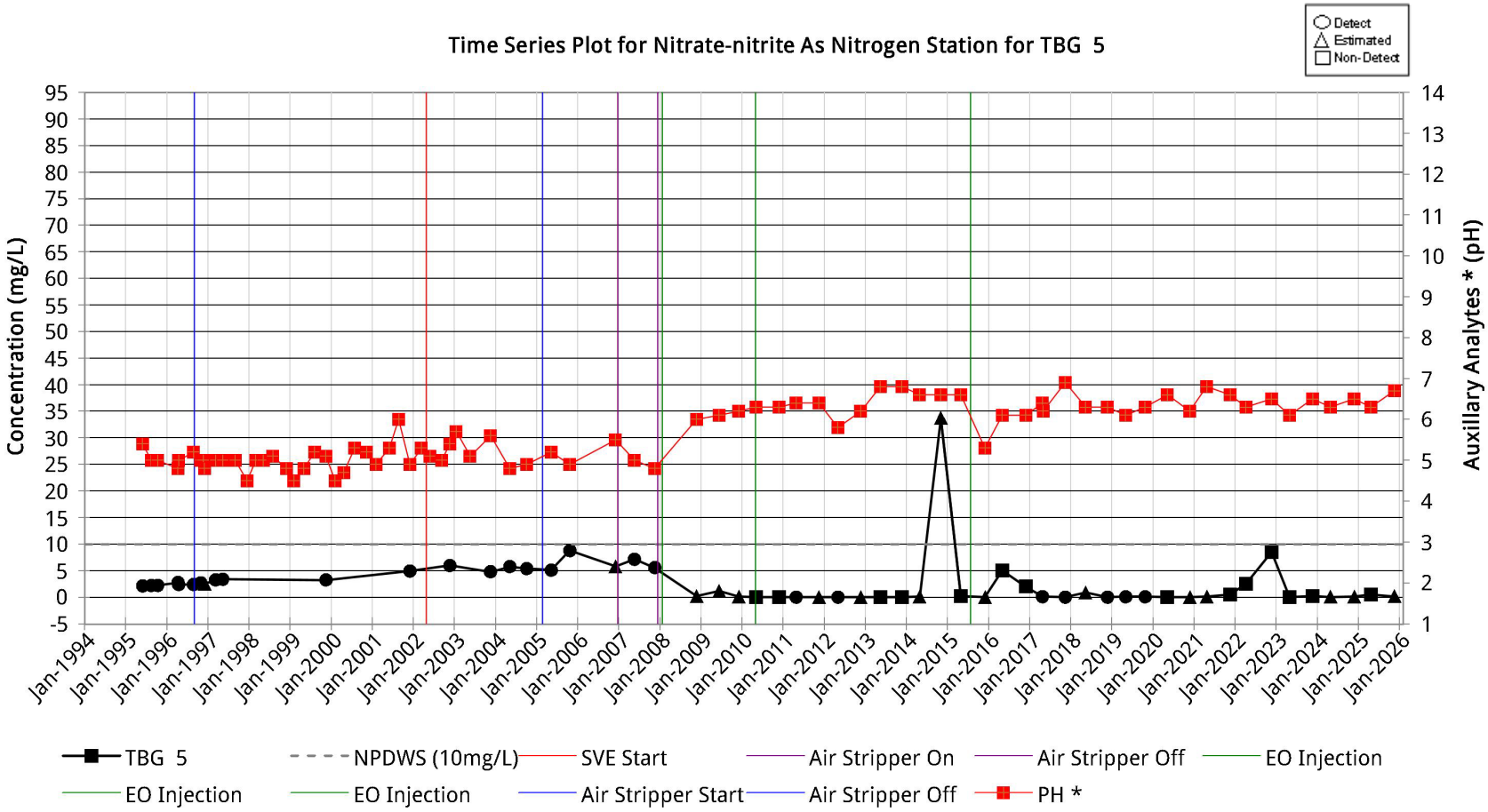
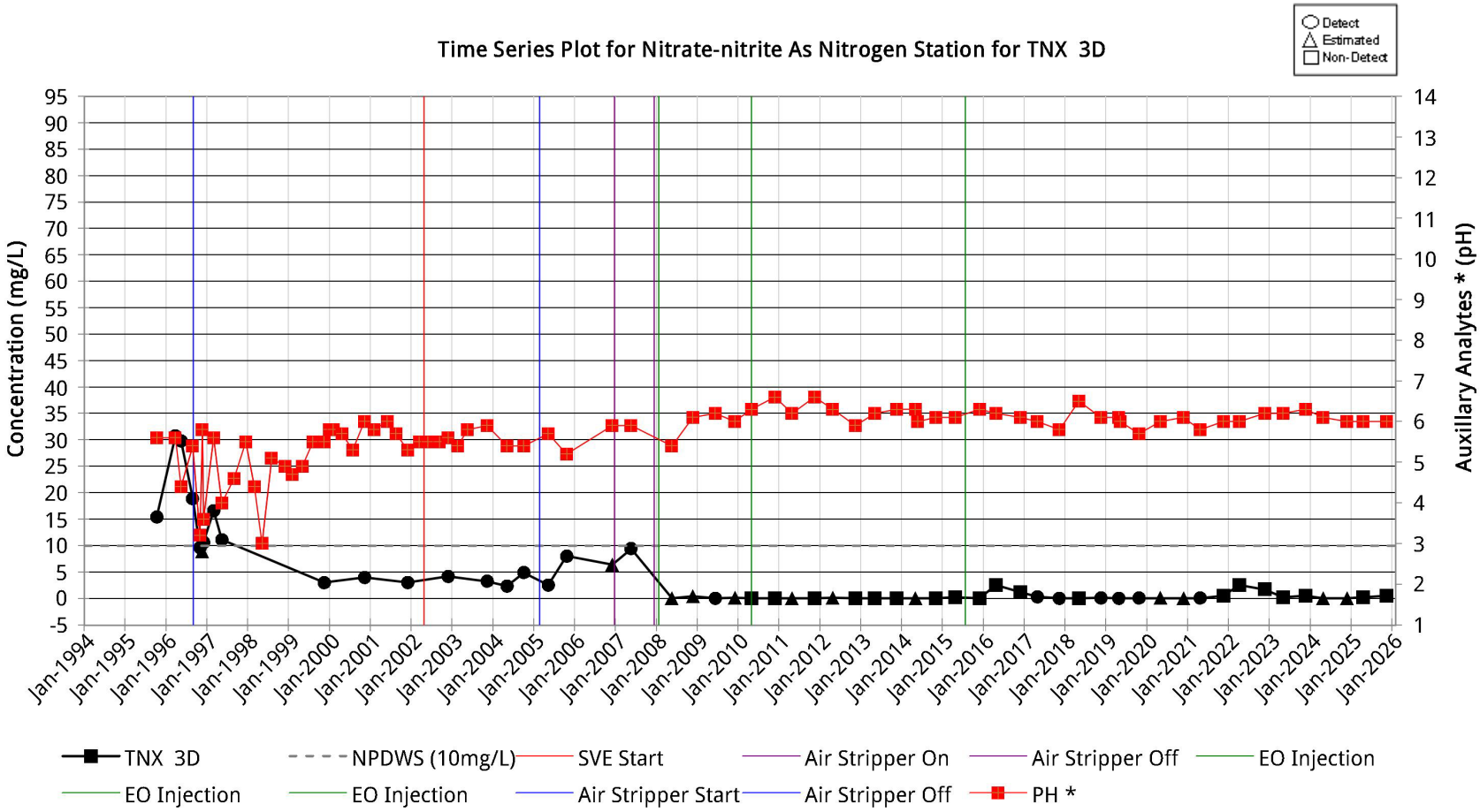
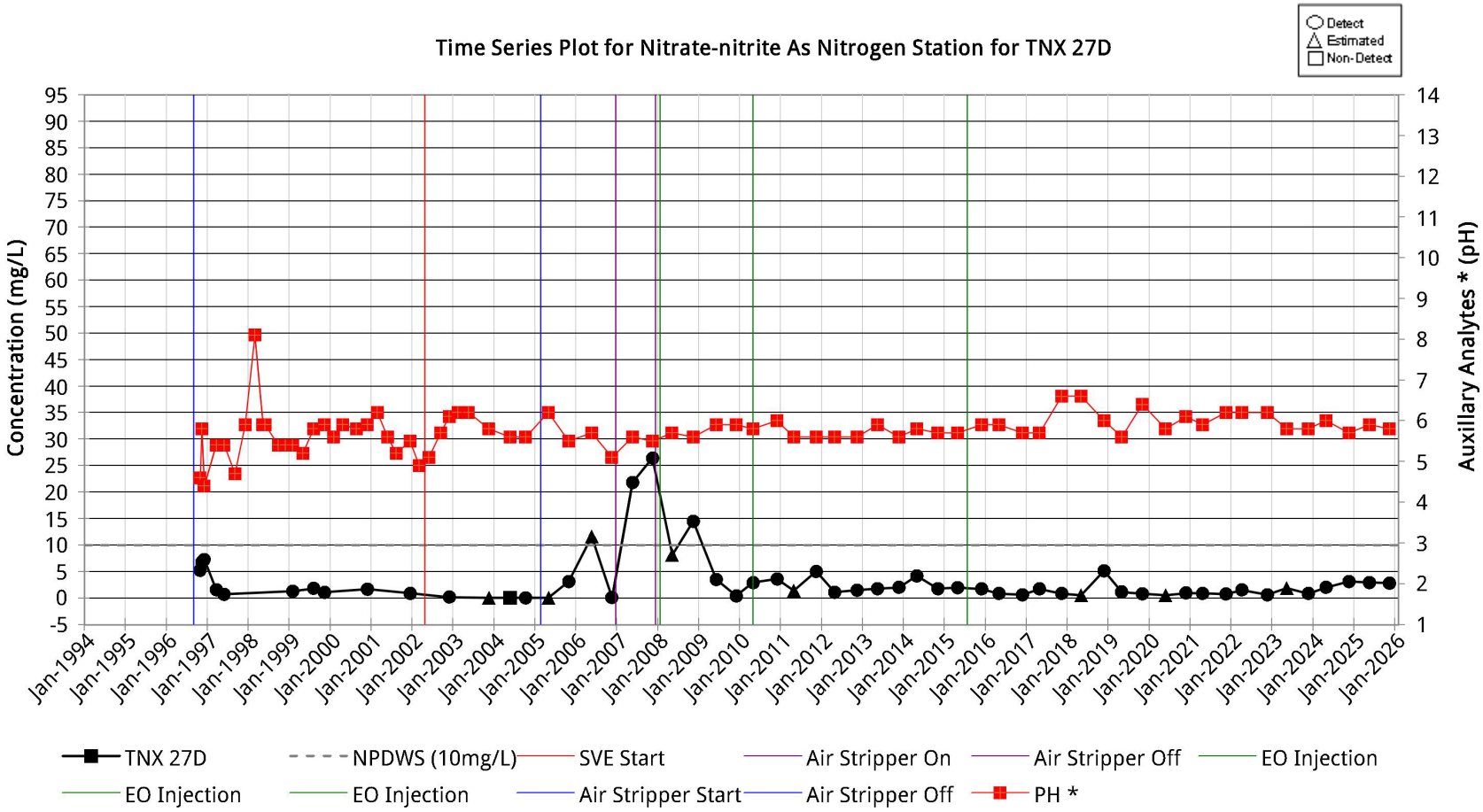
Jan-24
Jan-25
Jan-26
Jan-27
Date


Time Series Plot for Nitrate-nitrite As Nitrogen Station for TBG 3
Detect
Estimated
Non-Detect
Concentration (mg/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 3
NPDWS (10mg/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Nitrate-nitrite As Nitrogen Station for TBG 4
Detect
Estimated
Non-Detect
Concentration (mg/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 4
NPDWS (10mg/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Nitrate-nitrite As Nitrogen Station for TBG 5
Detect
Estimated
Non-Detect
Concentration (mg/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 5
NPDWS (10mg/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Nitrate-nitrite As Nitrogen Station for TNX 3D
Detect
Estimated
Non-Detect
Concentration (mg/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 3D
NPDWS (10mg/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Nitrate-nitrite As Nitrogen Station for TNX 27D
Detect
Estimated
Non-Detect
Concentration (mg/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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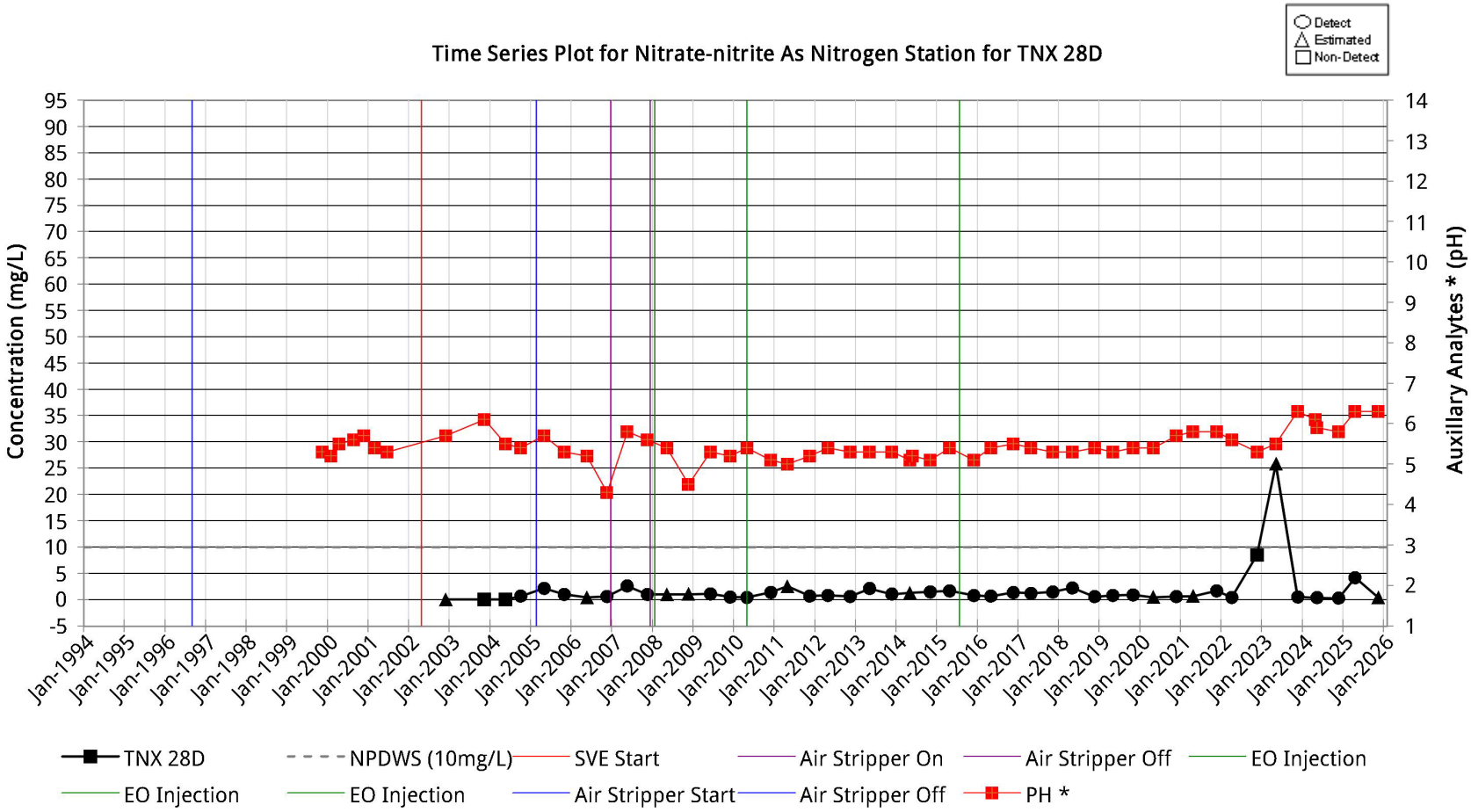
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 27D
NPDWS (10mg/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Nitrate-nitrite As Nitrogen Station for TNX 28D
Detect
Estimated
Non-Detect
Concentration (mg/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
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Jan-2005
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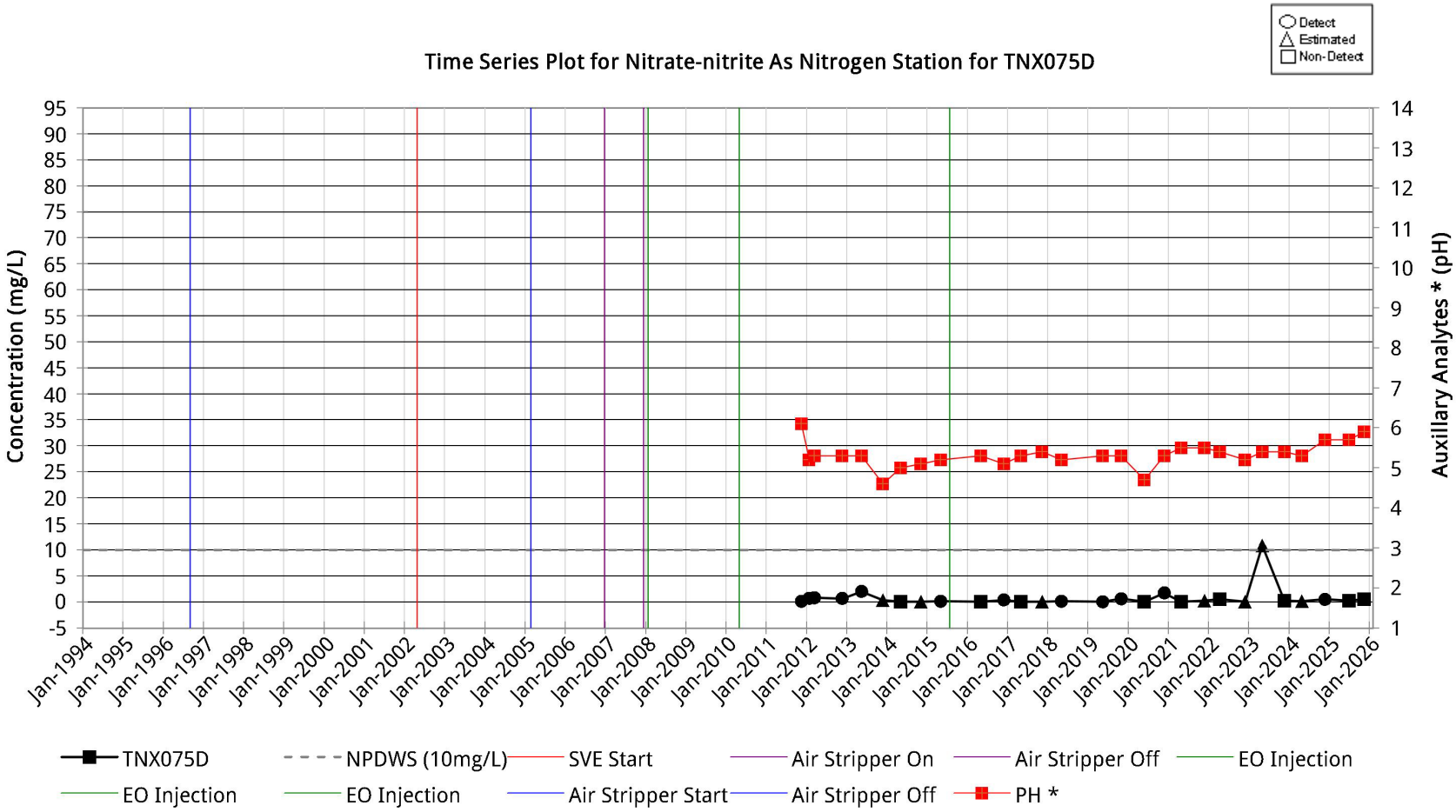
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 28D
NPDWS (10mg/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Detect
Estimated
Non-Detect
Time Series Plot for Nitrate-nitrite As Nitrogen Station for TNX075D
Concentration (mg/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
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Jan-1998
Jan-1999
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Jan-2002
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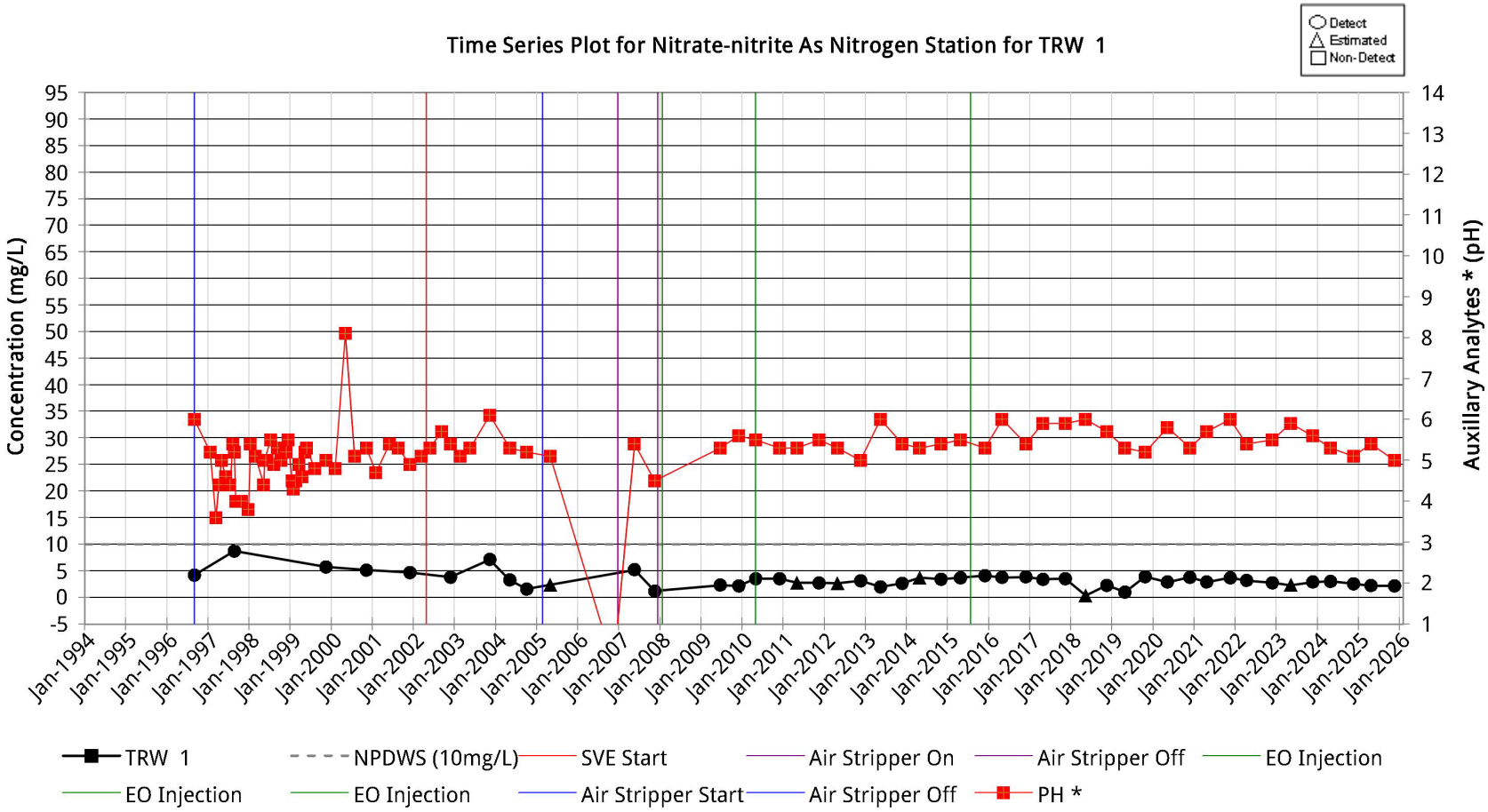
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX075D
NPDWS (10mg/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Nitrate-nitrite As Nitrogen Station for TRW 1
Detect
Estimated
Non-Detect
Concentration (mg/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
14
13
12
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9
8
7
6
5
4
3
2
1
Jan-1994
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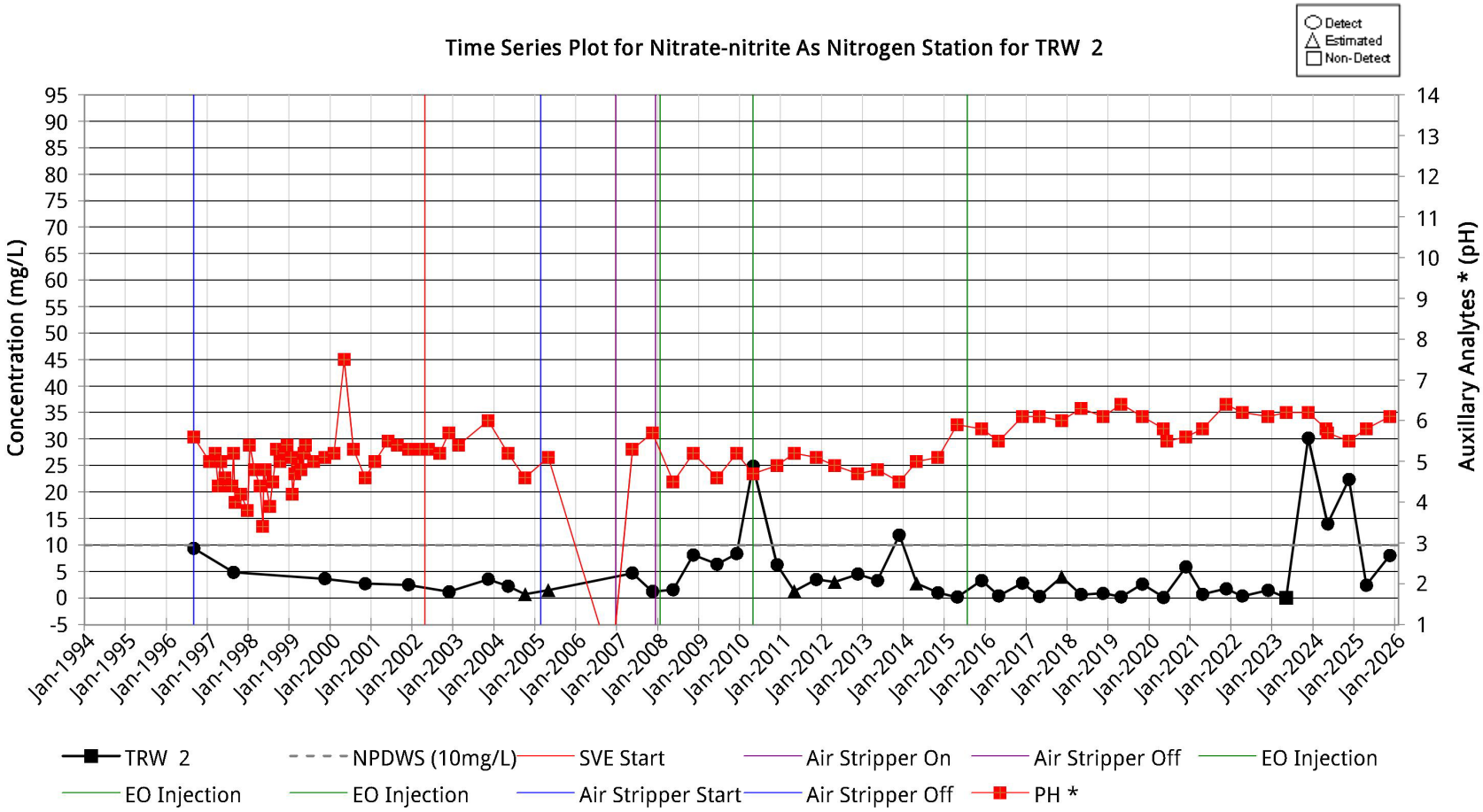
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 1
NPDWS (10mg/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Nitrate-nitrite As Nitrogen Station for TRW 2
Detect
Estimated
Non-Detect
Concentration (mg/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
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Jan-1994
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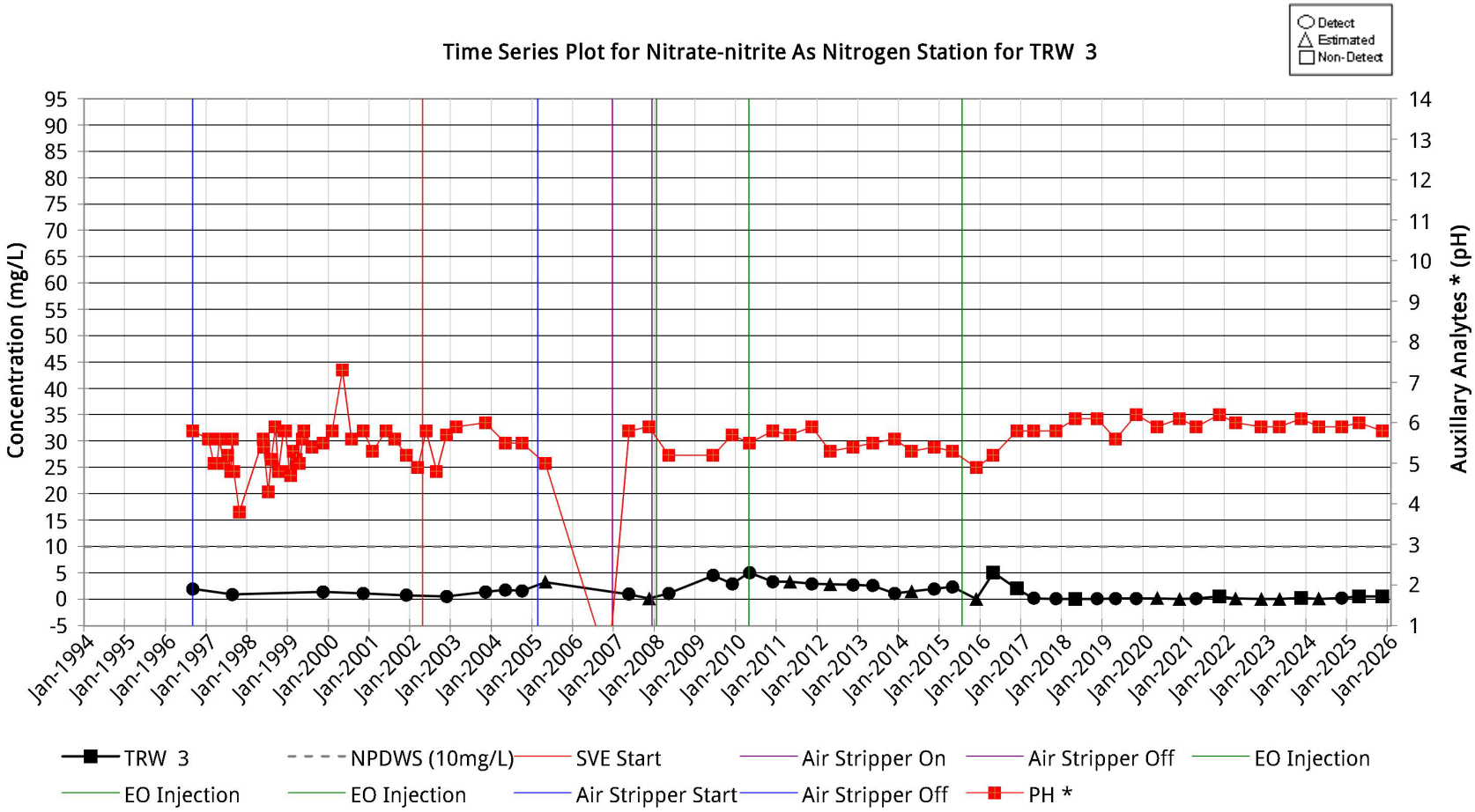
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 2
NPDWS (10mg/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Nitrate-nitrite As Nitrogen Station for TRW 3
Detect
Estimated
Non-Detect
Concentration (mg/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
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-5
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Jan-1994
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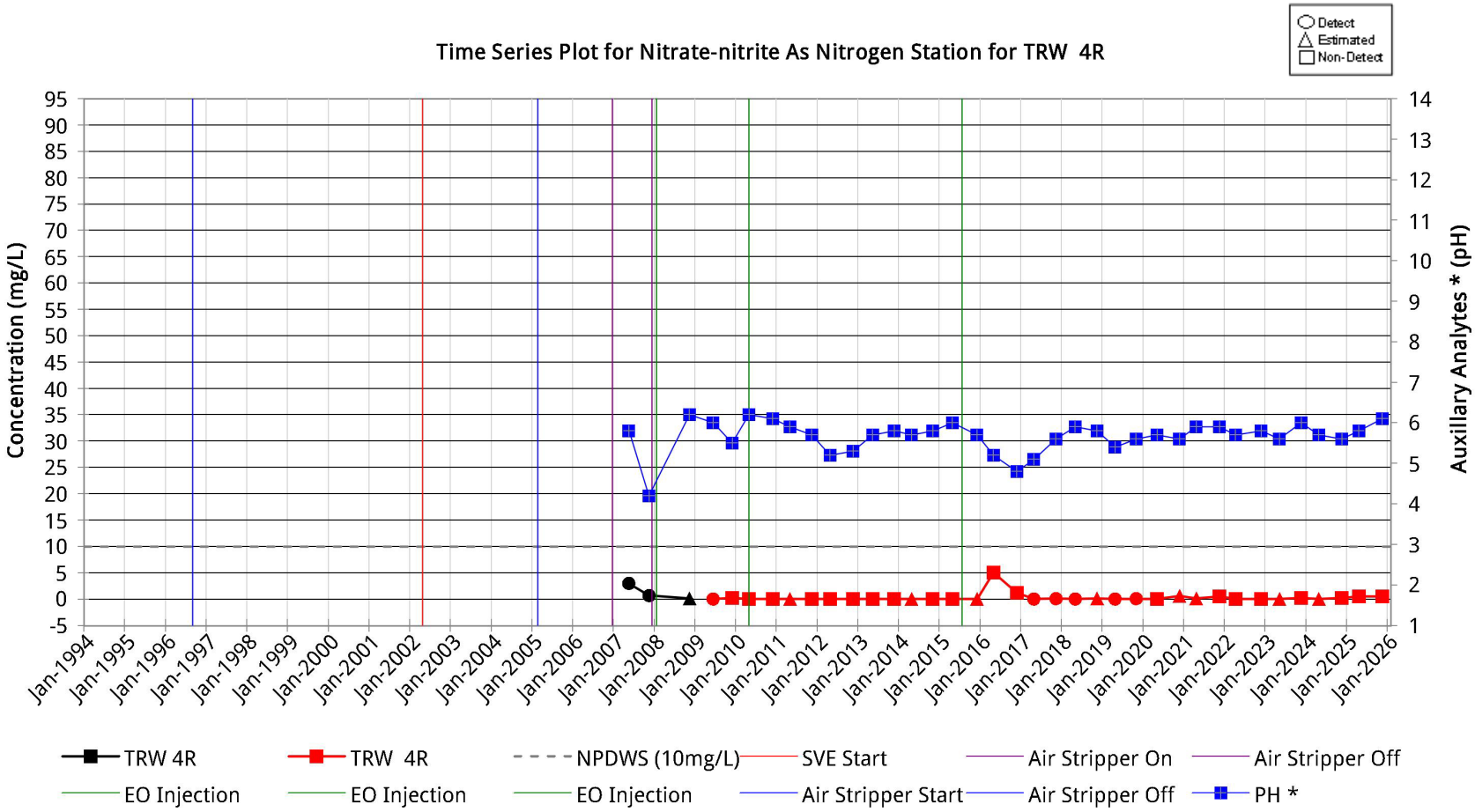
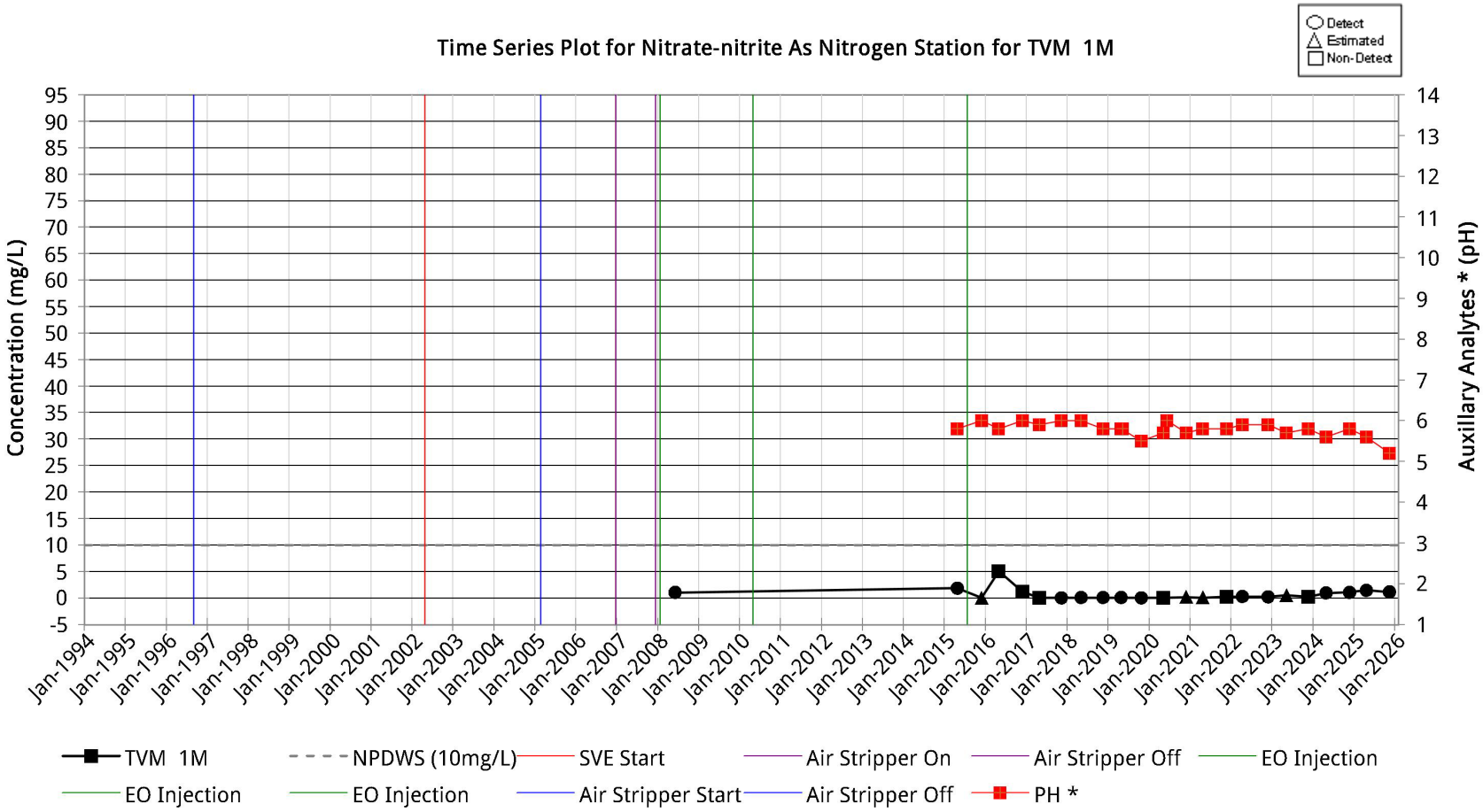
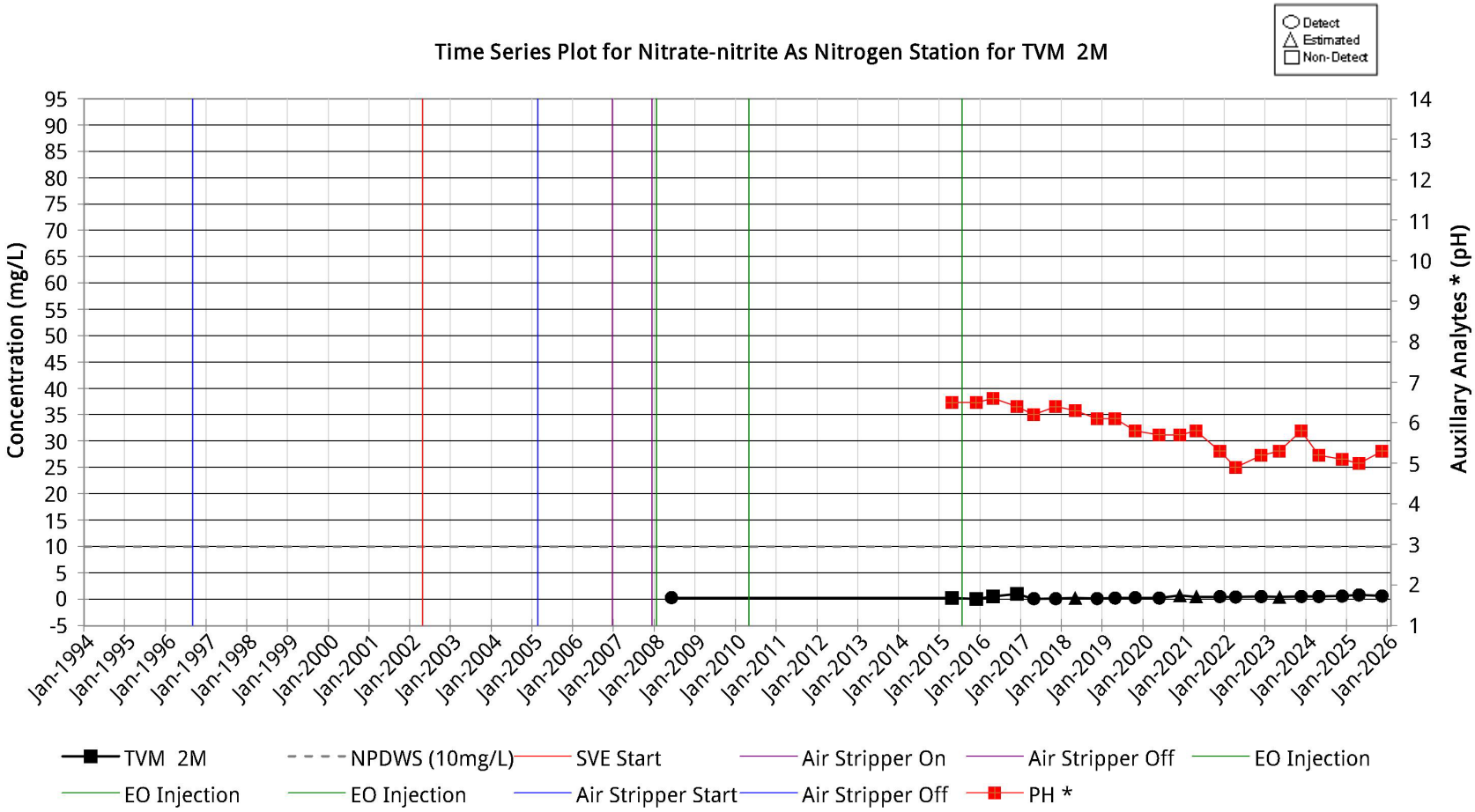
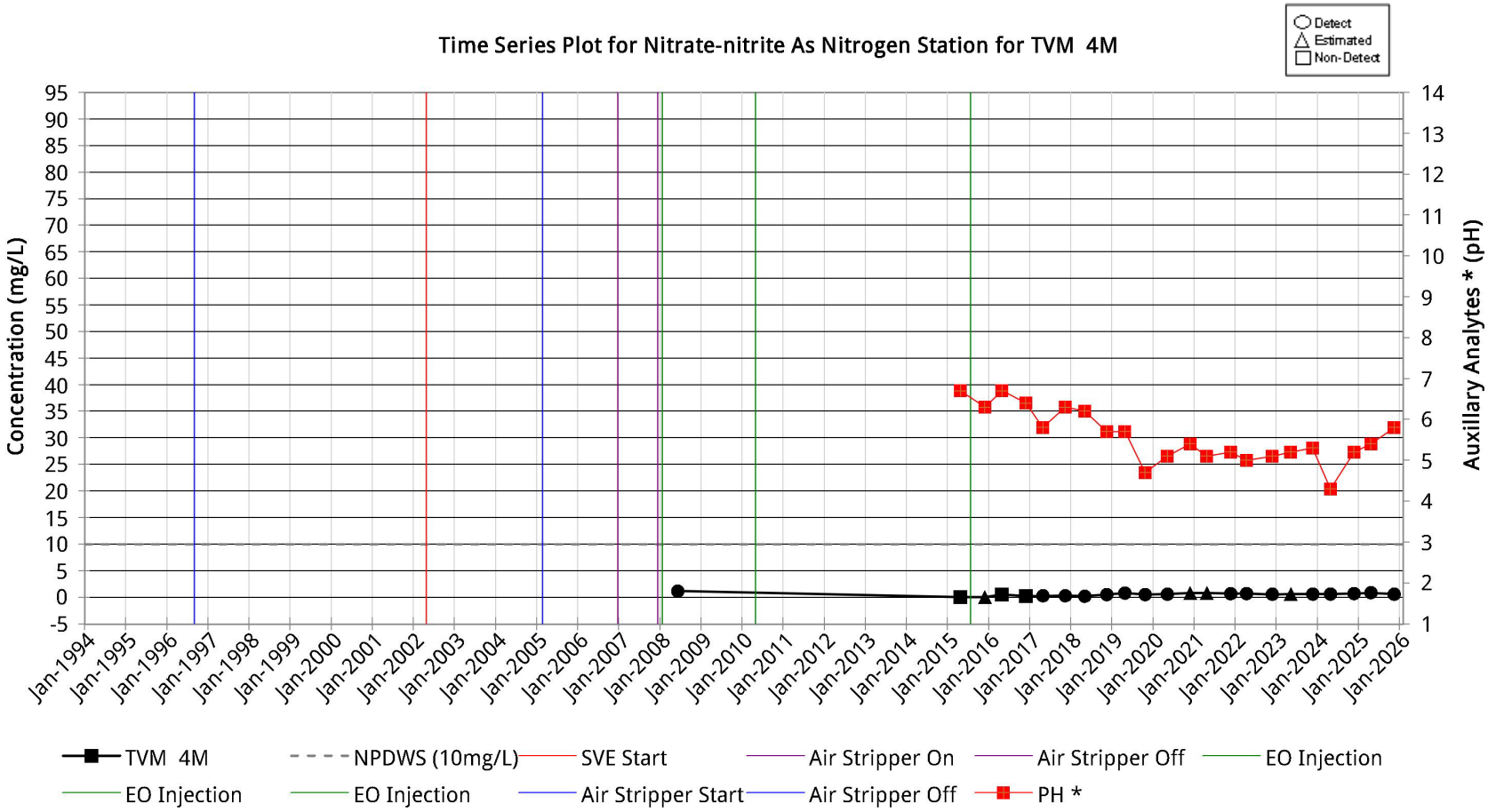
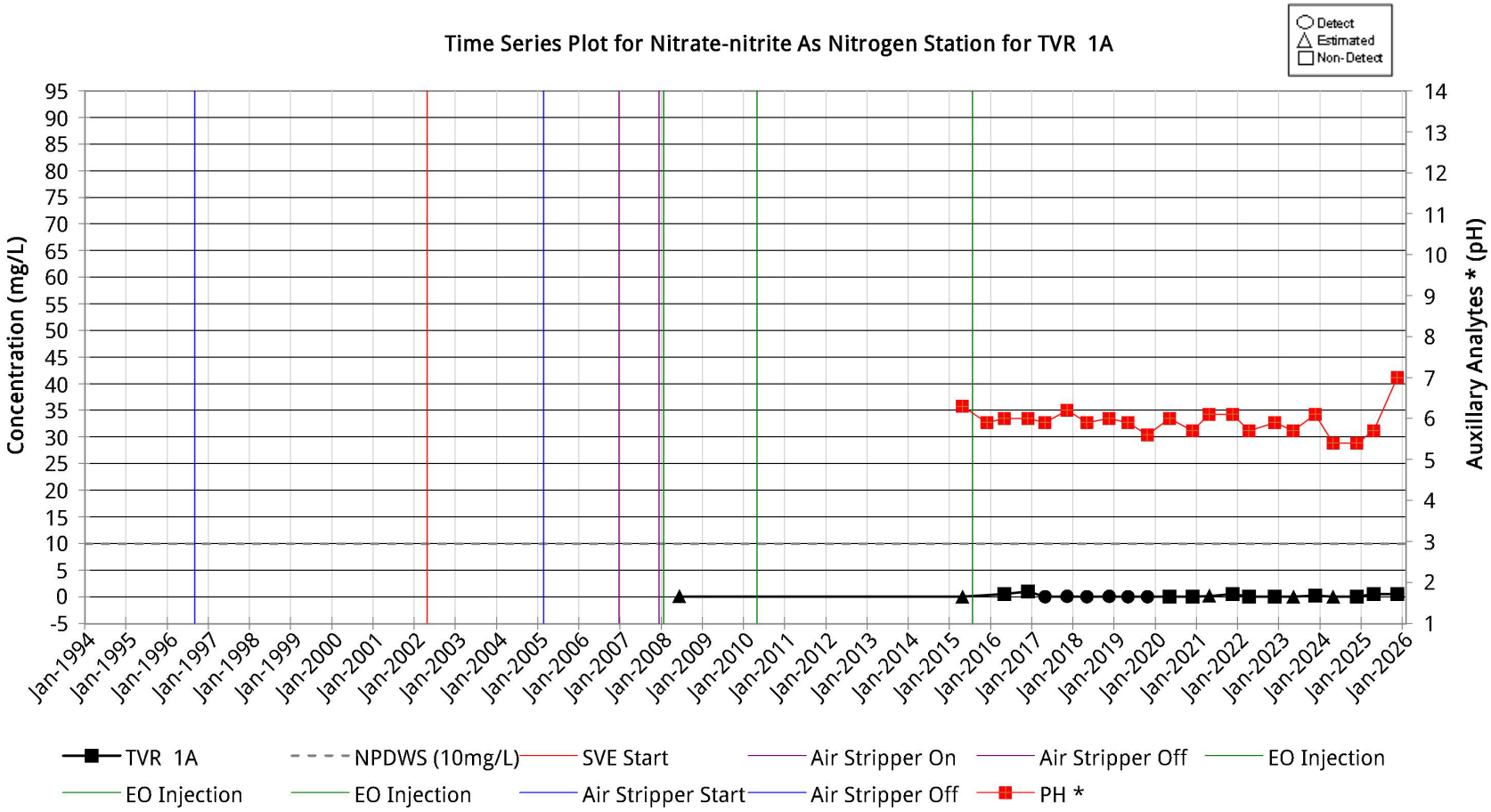
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 3
NPDWS (10mg/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *

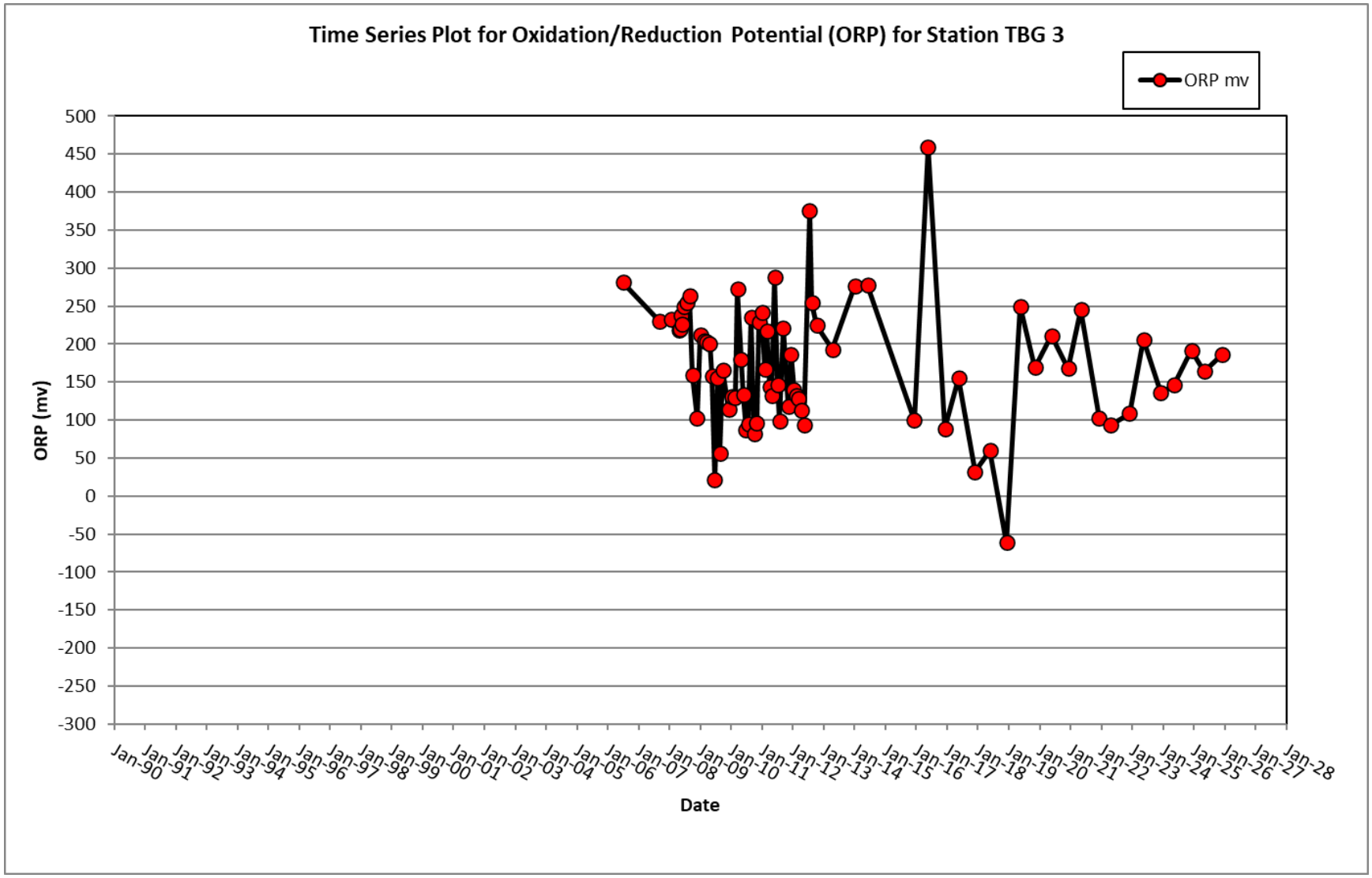

Time Series Plot for Nitrate-nitrite As Nitrogen Station for TRW 4R
Detect
Estimated
Non-Detect
Concentration (mg/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 4R
TRW 4R
NPDWS (10mg/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *

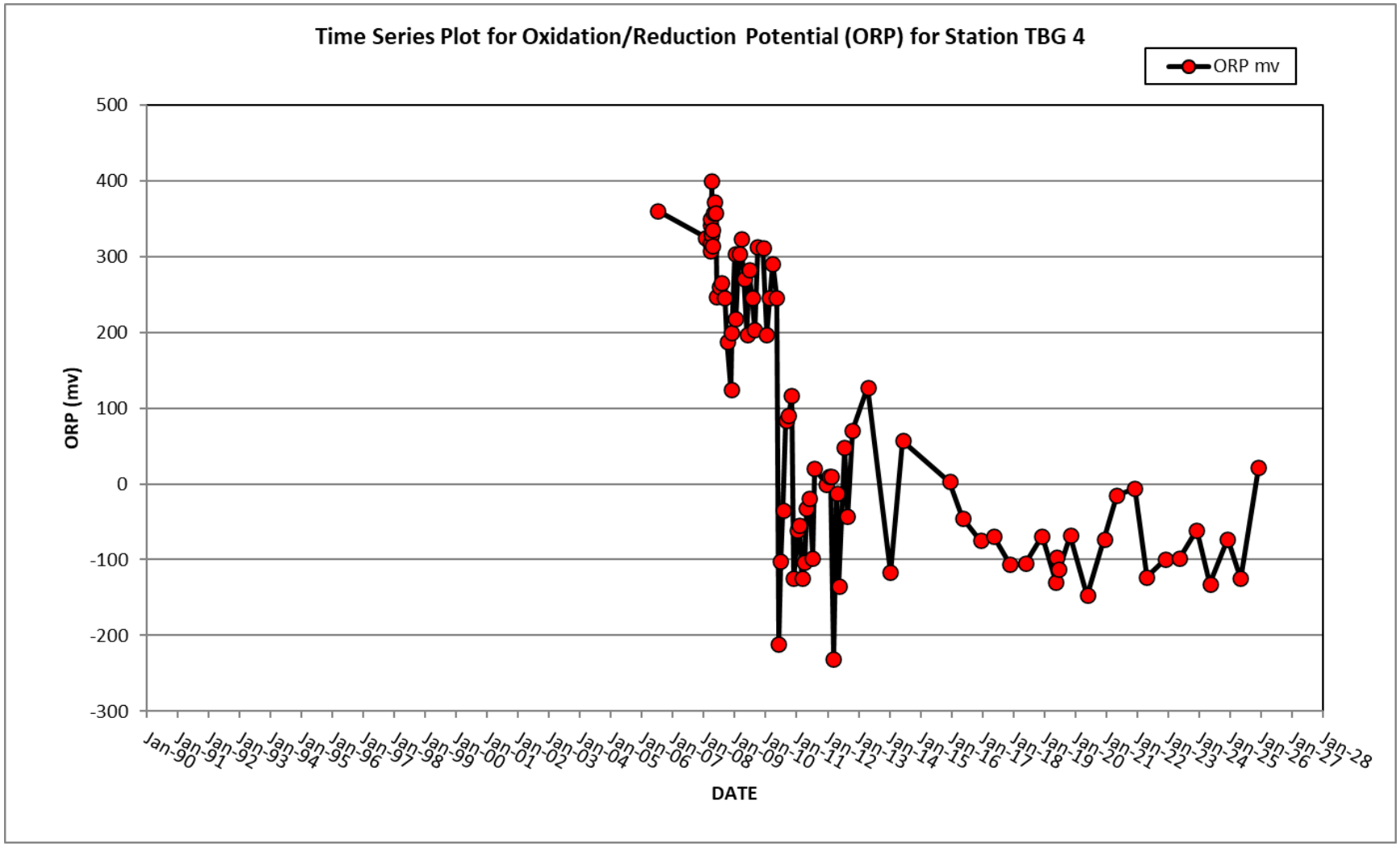

Time Series Plot for Nitrate-nitrite As Nitrogen Station for TVM 1M
Detect
Estimated
Non-Detect
Concentration (mg/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 1M
NPDWS (10mg/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Nitrate-nitrite As Nitrogen Station for TVM 2M
Detect
Estimated
Non-Detect
Concentration (mg/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 2M
NPDWS (10mg/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Nitrate-nitrite As Nitrogen Station for TVM 4M
Detect
Estimated
Non-Detect
Concentration (mg/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 4M
NPDWS (10mg/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Nitrate-nitrite As Nitrogen Station for TVR 1A
Detect
Estimated
Non-Detect
Concentration (mg/L)
Auxillary Analytes * (pH)
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVR 1A
NPDWS (10mg/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Oxidation/Reduction Potential (ORP) for Station TBG 3
ORP mv
ORP (mv)
500
450
400
350
300
250
200
150
100
50
0
-50
-100
-150
-200
-250
-300
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
Jan-19
Jan-20
Jan-21
Jan-22
Jan-23
Jan-24
Jan-25
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Oxidation/Reduction Potential (ORP) for Station TBG 4
ORP mv
500
400
300
200
100
0
-100
-200
-300
ORP (mv)
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
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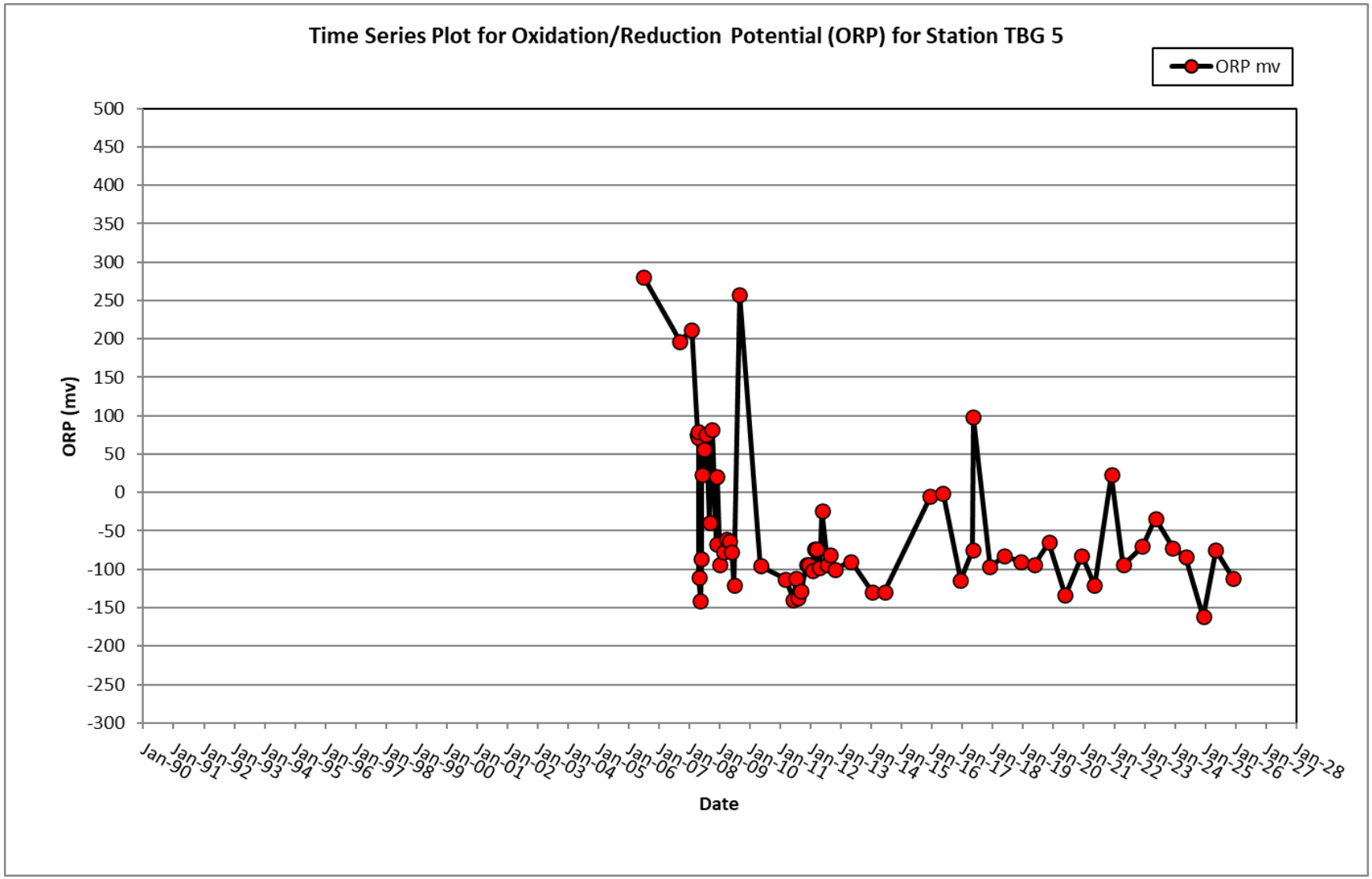
Jan-23
Jan-24
Jan-25
Jan-26
Jan-27
Jan-28
DATE


Time Series Plot for Oxidation/Reduction Potential (ORP) for Station TBG 5
ORP mv
ORP (mv)
500
450
400
350
300
250
200
150
100
50
0
-50
-100
-150
-200
-250
-300
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
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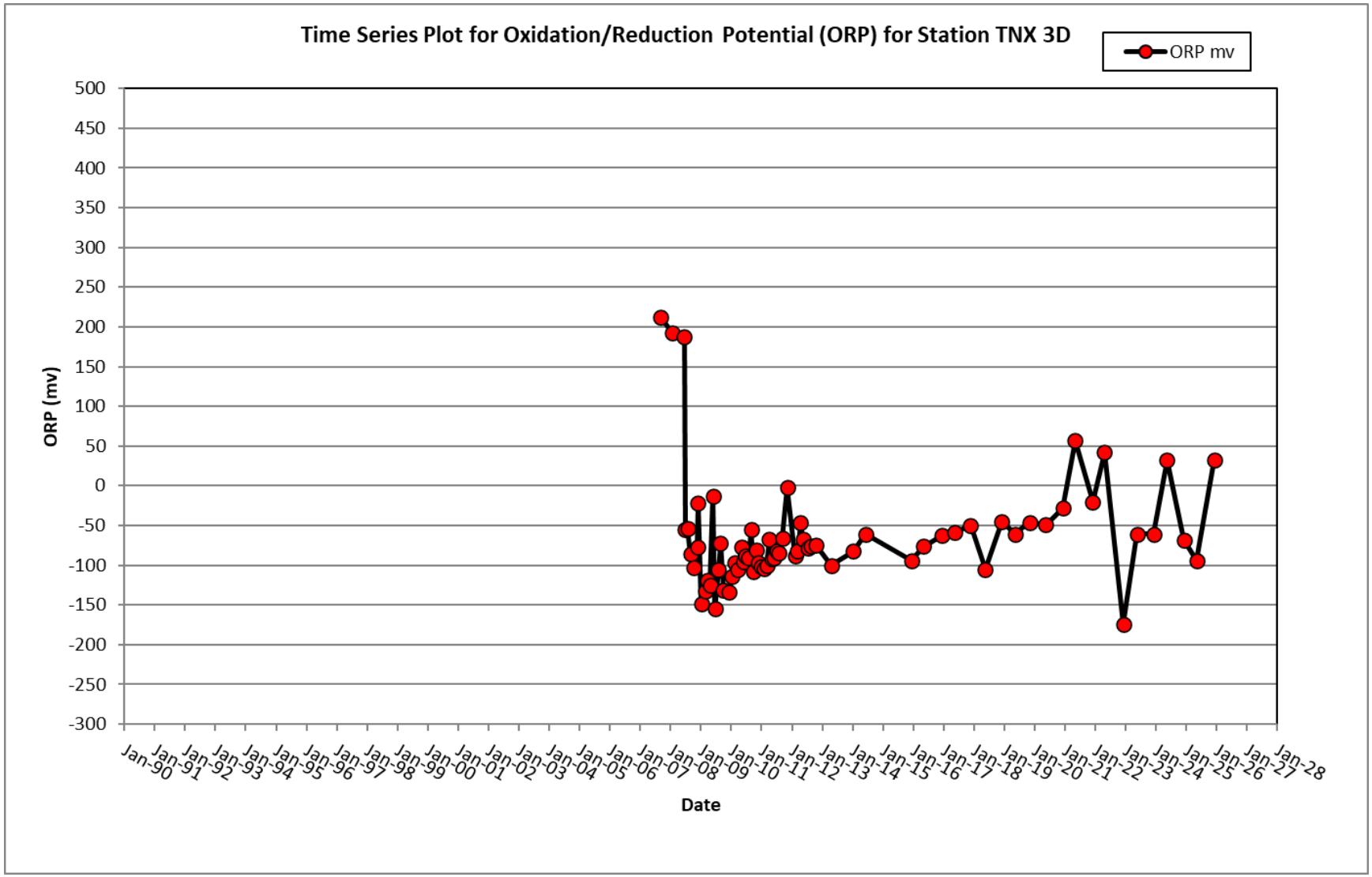
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Oxidation/Reduction Potential (ORP) for Station TNX 3D
ORP mv
ORP (mv)
500
450
400
350
300
250
200
150
100
50
0
-50
-100
-150
-200
-250
-300
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
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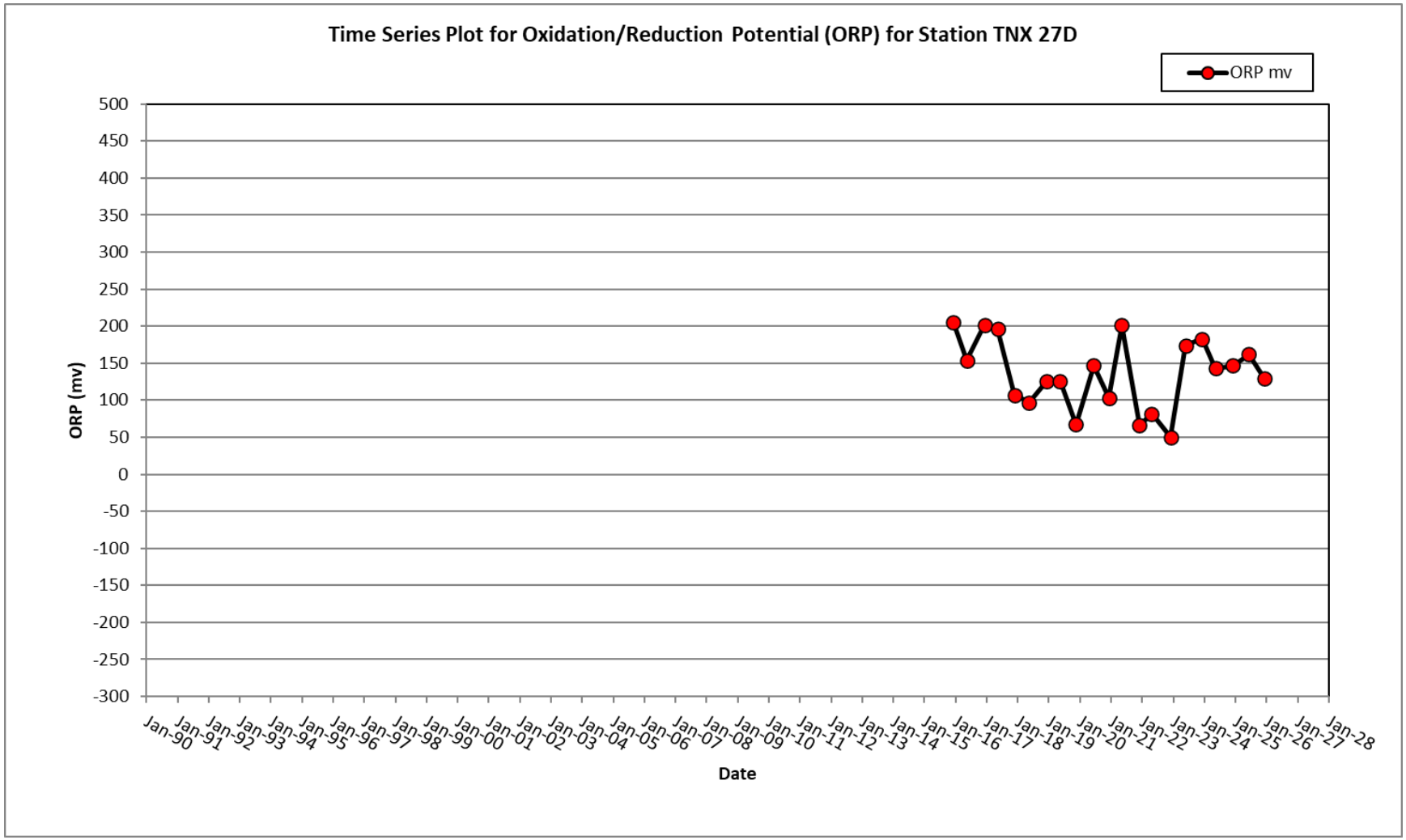
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Oxidation/Reduction Potential (ORP) for Station TNX 27D
ORP mv
ORP (mv)
500
450
400
350
300
250
200
150
100
50
0
-50
-100
-150
-200
-250
-300
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
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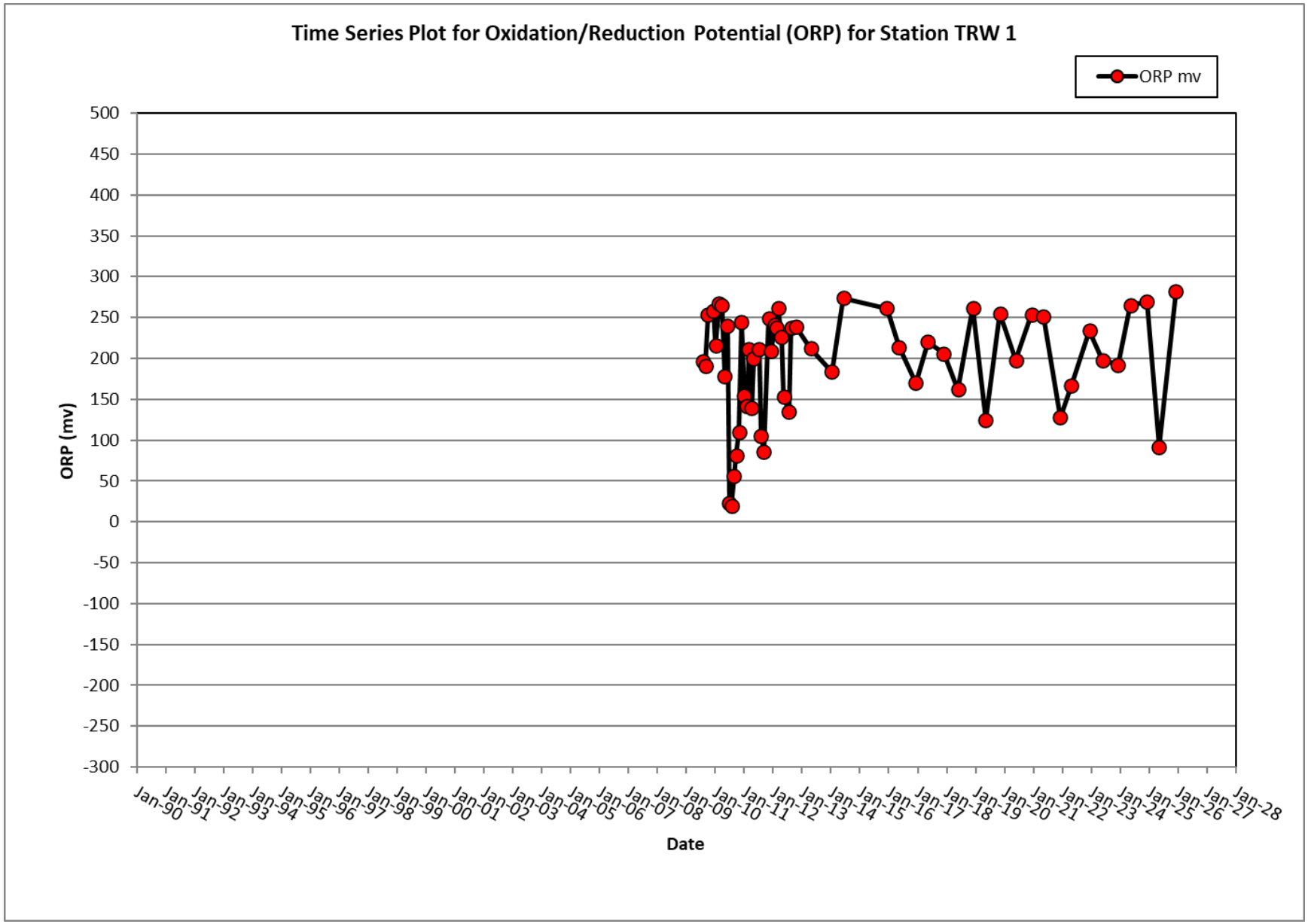
Jan-23
Jan-24
Jan-25
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Oxidation/Reduction Potential (ORP) for Station TRW 1
ORP mv
ORP (mv)
500
450
400
350
300
250
200
150
100
50
0
-50
-100
-150
-200
-250
-300
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
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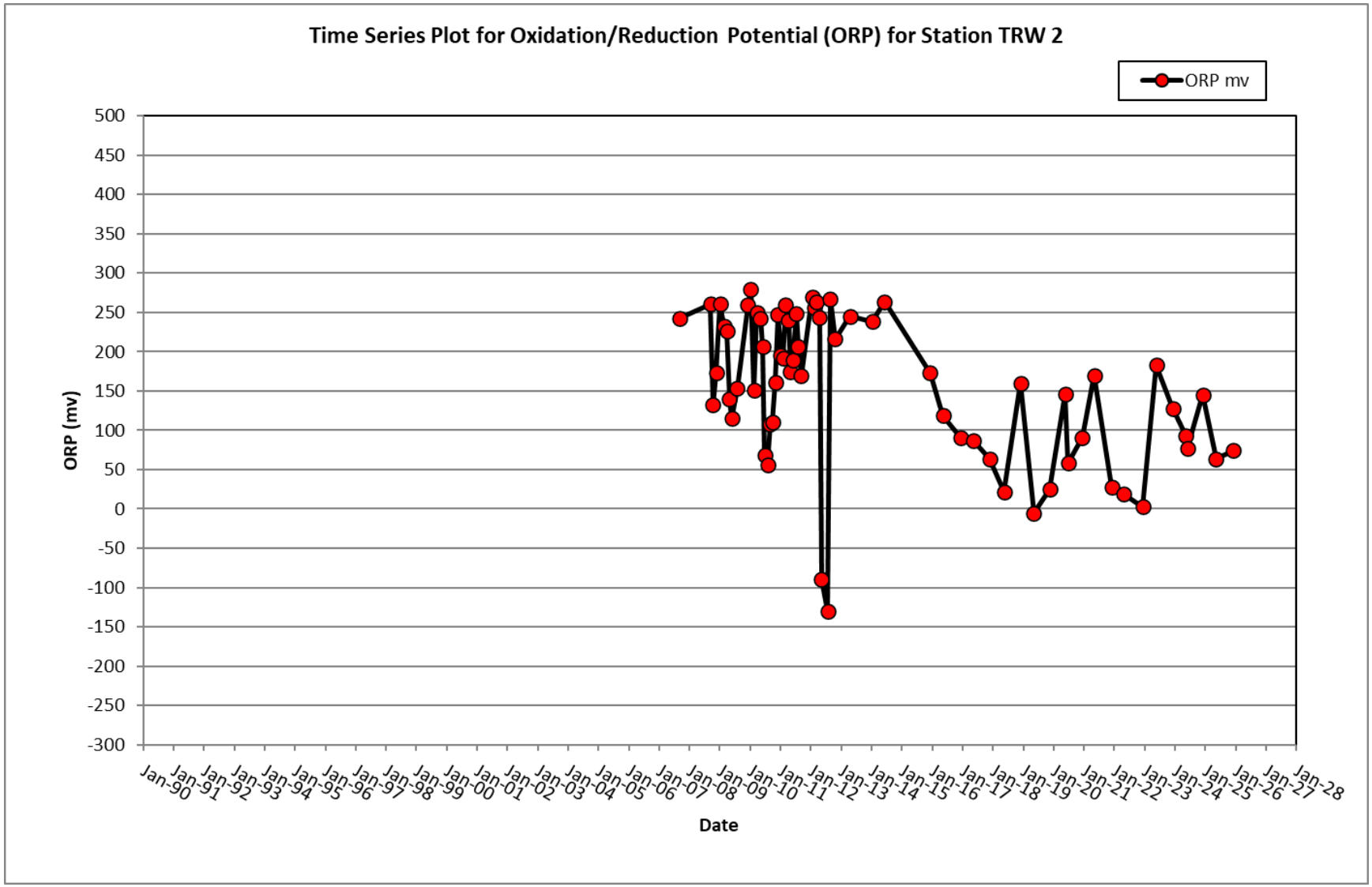
Jan-28
Date


Time Series Plot for Oxidation/Reduction Potential (ORP) for Station TRW 2
ORP mv
ORP (mv)
500
450
400
350
300
250
200
150
100
50
0
-50
-100
-150
-200
-250
-300
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
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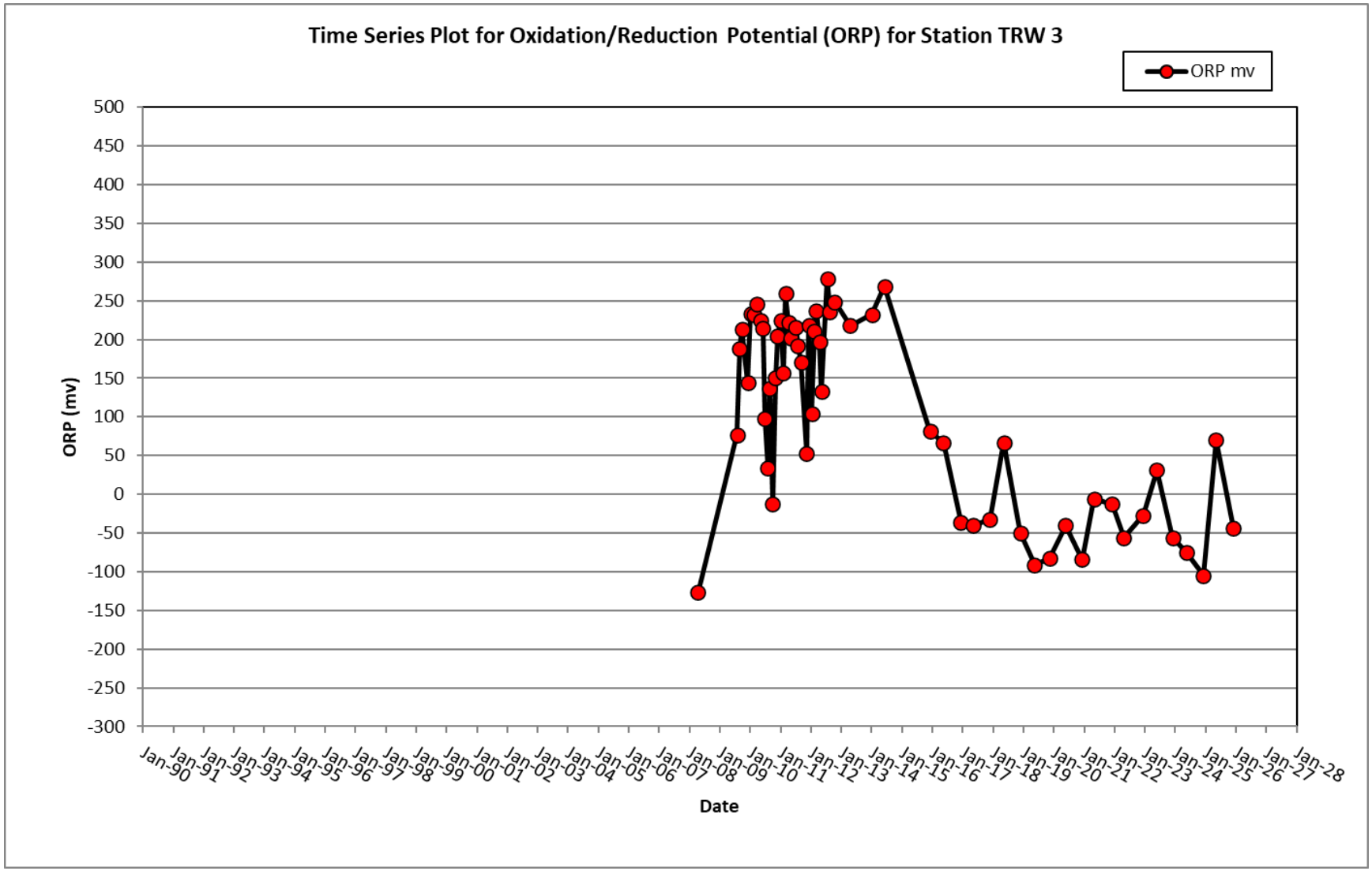
Jan-25
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Oxidation/Reduction Potential (ORP) for Station TRW 3
ORP mv
ORP (mv)
500
450
400
350
300
250
200
150
100
50
0
-50
-100
-150
-200
-250
-300
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
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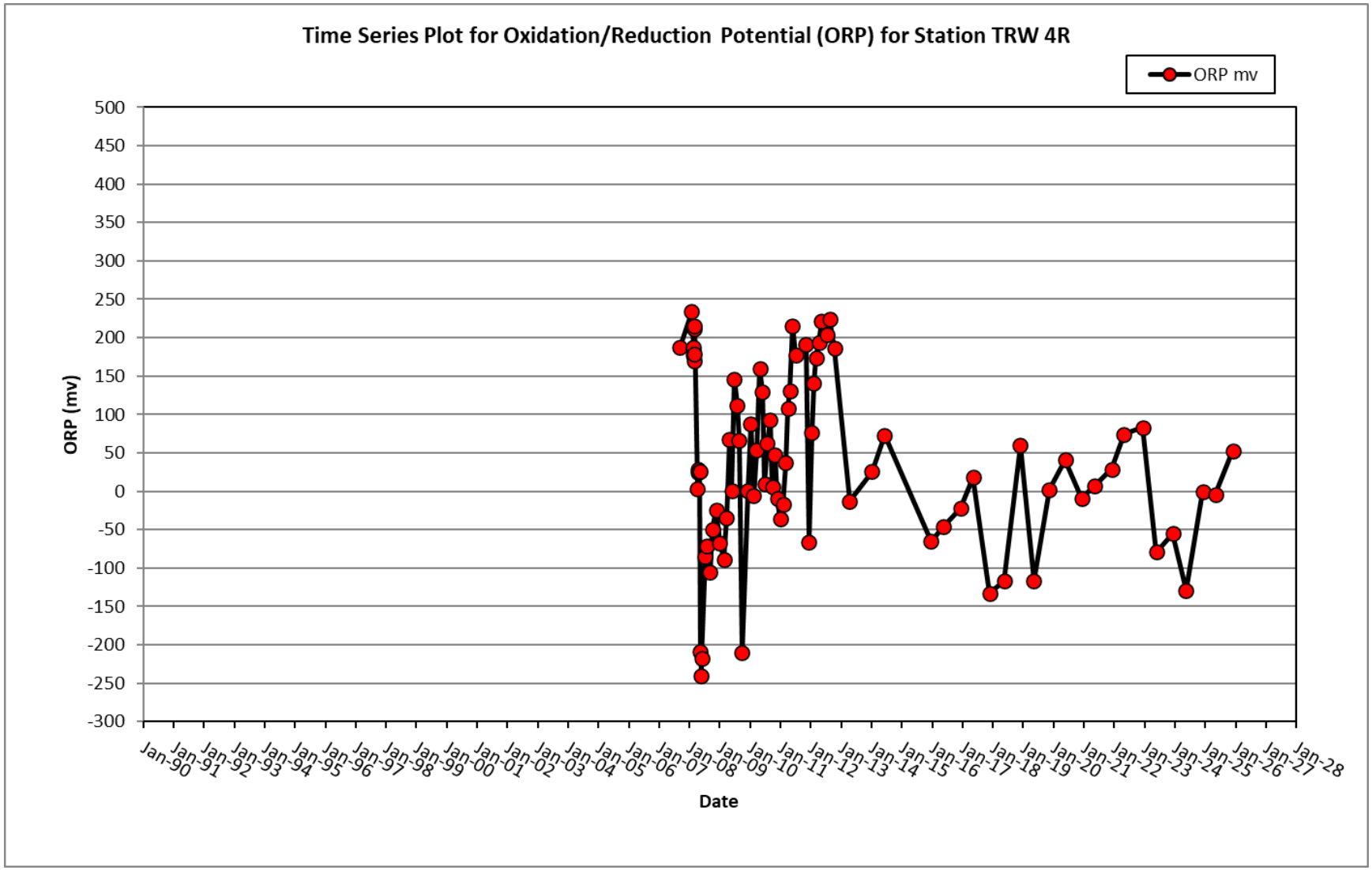
Jan-24
Jan-25
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Oxidation/Reduction Potential (ORP) for Station TRW 4R
ORP mv
ORP (mv)
500
450
400
350
300
250
200
150
100
50
0
-50
-100
-150
-200
-250
-300
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
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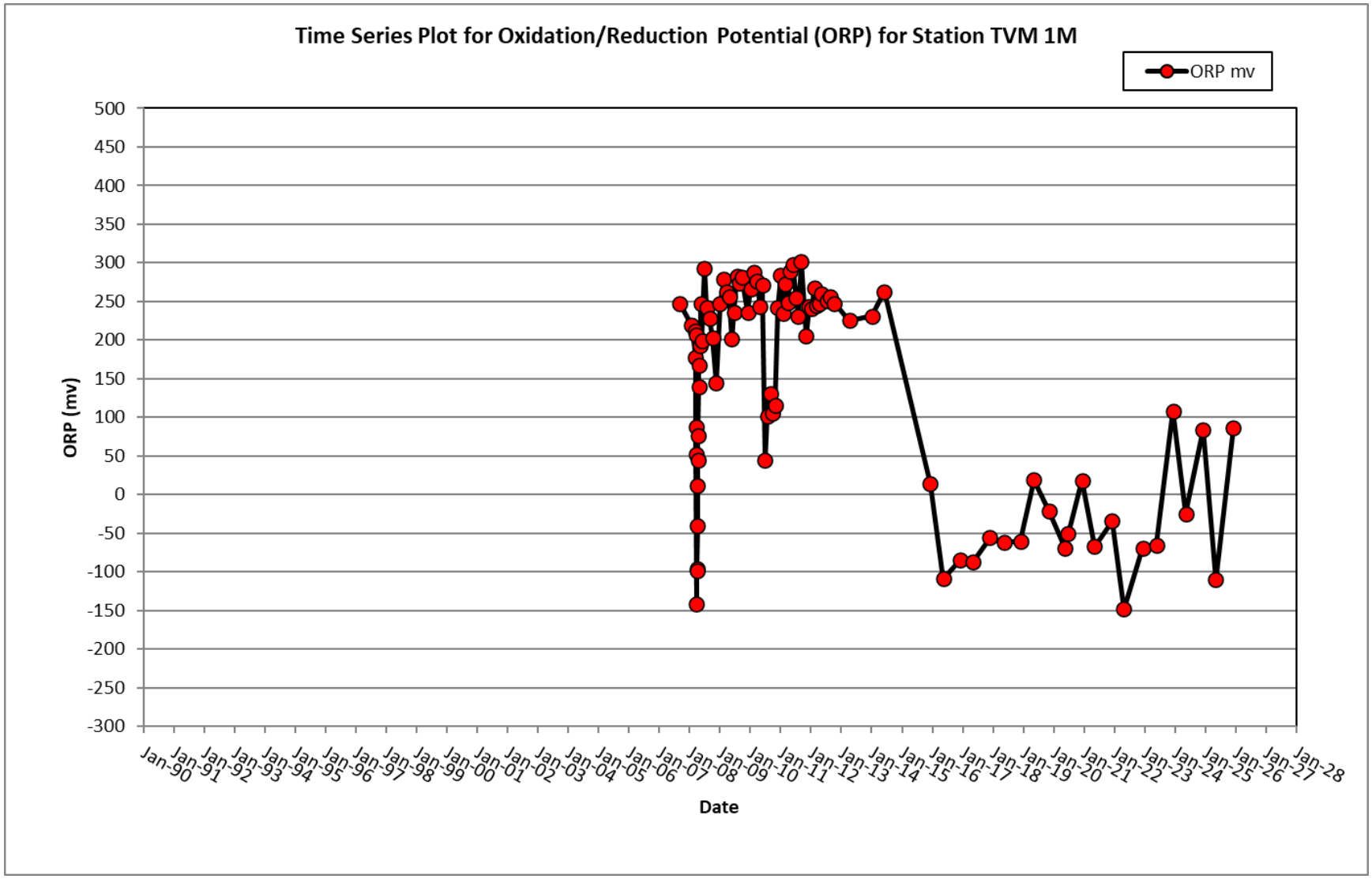
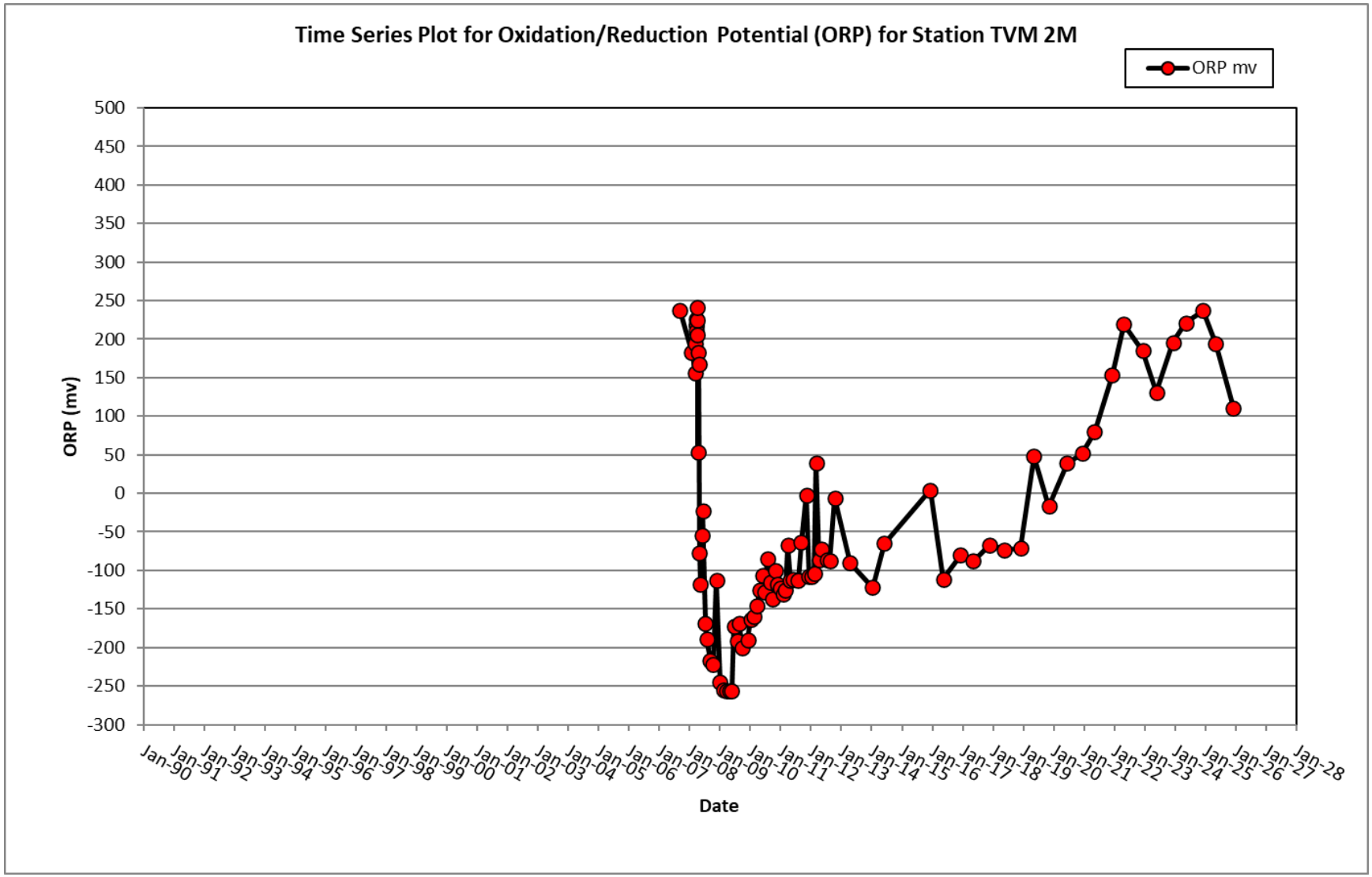
Jan-27
Jan-28
Date


Time Series Plot for Oxidation/Reduction Potential (ORP) for Station TVM 1M
ORP mv
ORP (mv)
500
450
400
350
300
250
200
150
100
50
0
-50
-100
-150
-200
-250
-300
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
Jan-19
Jan-20
Jan-21
Jan-22
Jan-23
Jan-24
Jan-25
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Oxidation/Reduction Potential (ORP) for Station TVM 2M
ORP mv
ORP (mv)
500
450
400
350
300
250
200
150
100
50
0
-50
-100
-150
-200
-250
-300
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
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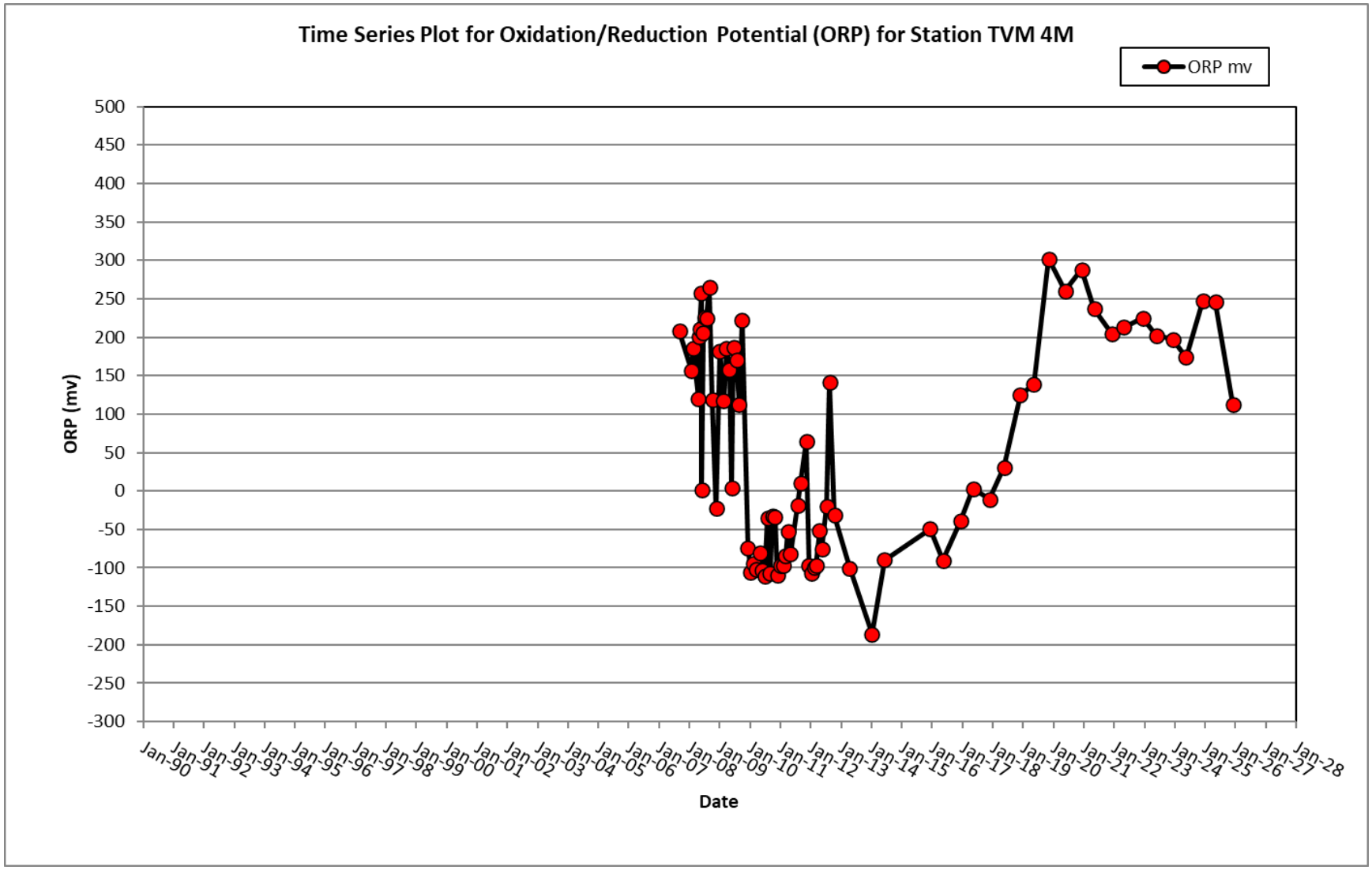
Jan-26
Jan-27
Jan-28
Date


Time Series Plot for Oxidation/Reduction Potential (ORP) for Station TVM 4M
ORP mv
ORP (mv)
500
450
400
350
300
250
200
150
100
50
0
-50
-100
-150
-200
-250
-300
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
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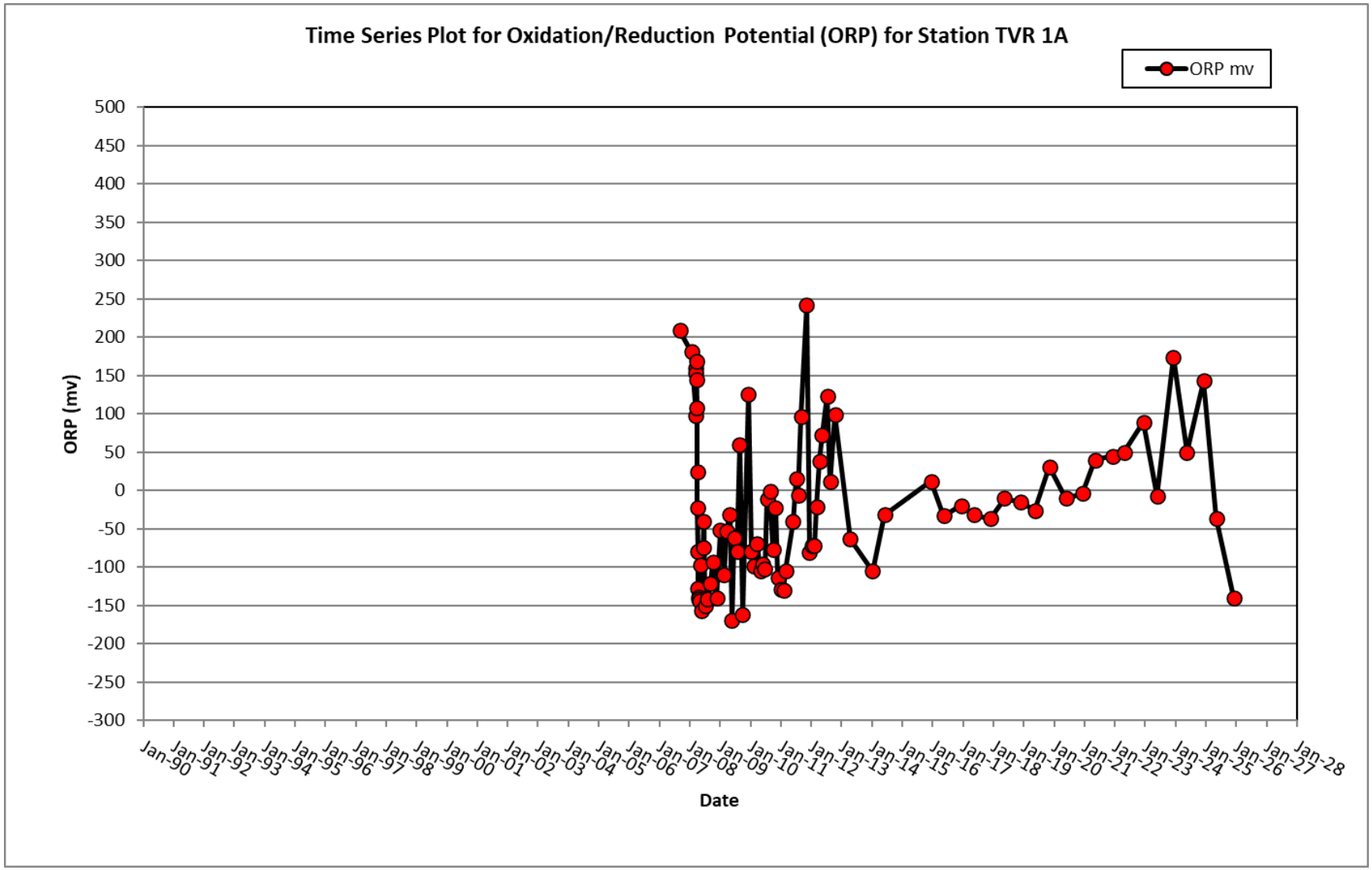
Jan-28
Date


Time Series Plot for Oxidation/Reduction Potential (ORP) for Station TVR 1A
ORP mv
ORP (mv)
500
450
400
350
300
250
200
150
100
50
0
-50
-100
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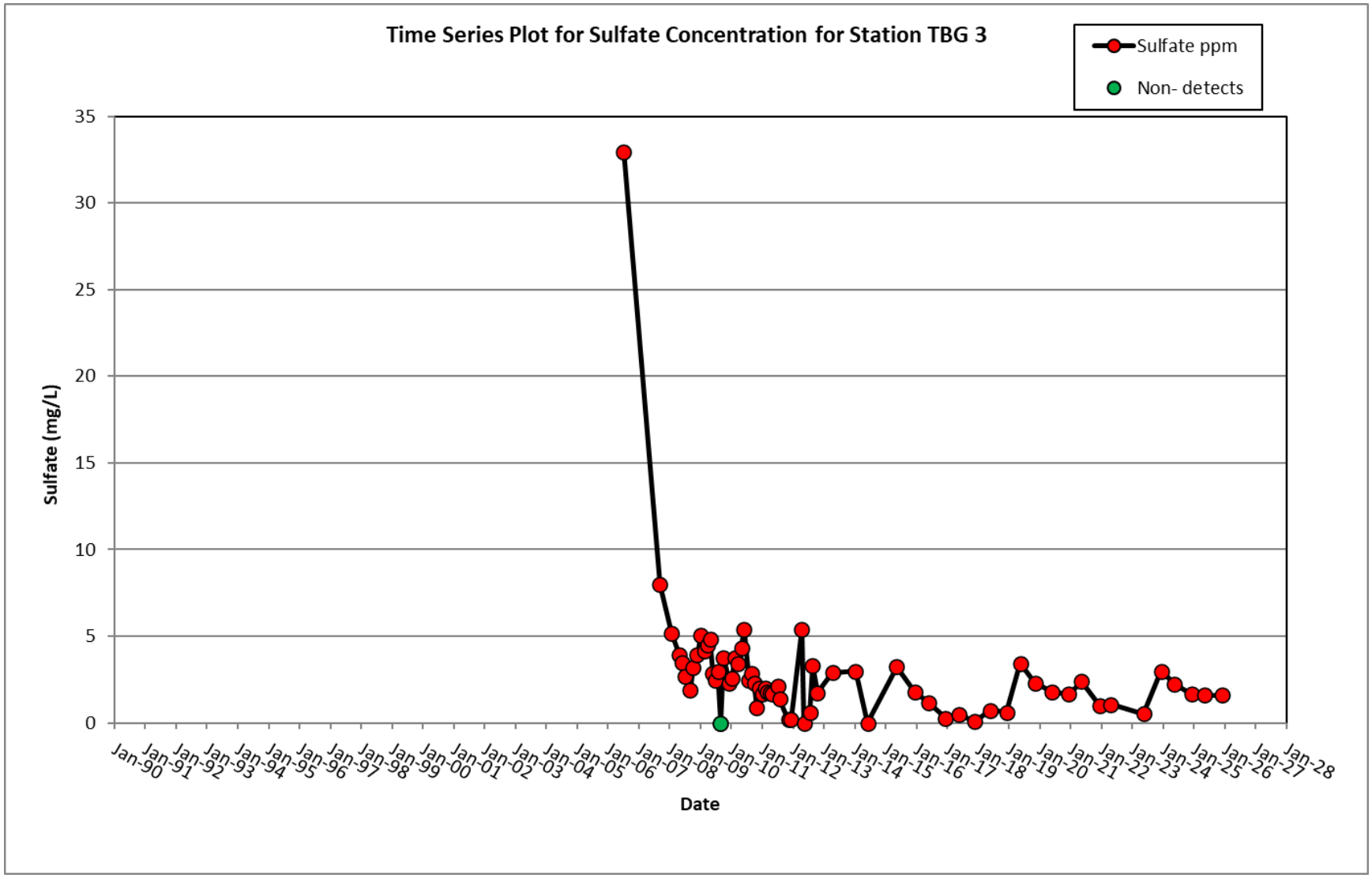
Date


Time Series Plot for Sulfate Concentration for Station TBG 3
Sulfate ppm
Non- detects
Sulfate (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
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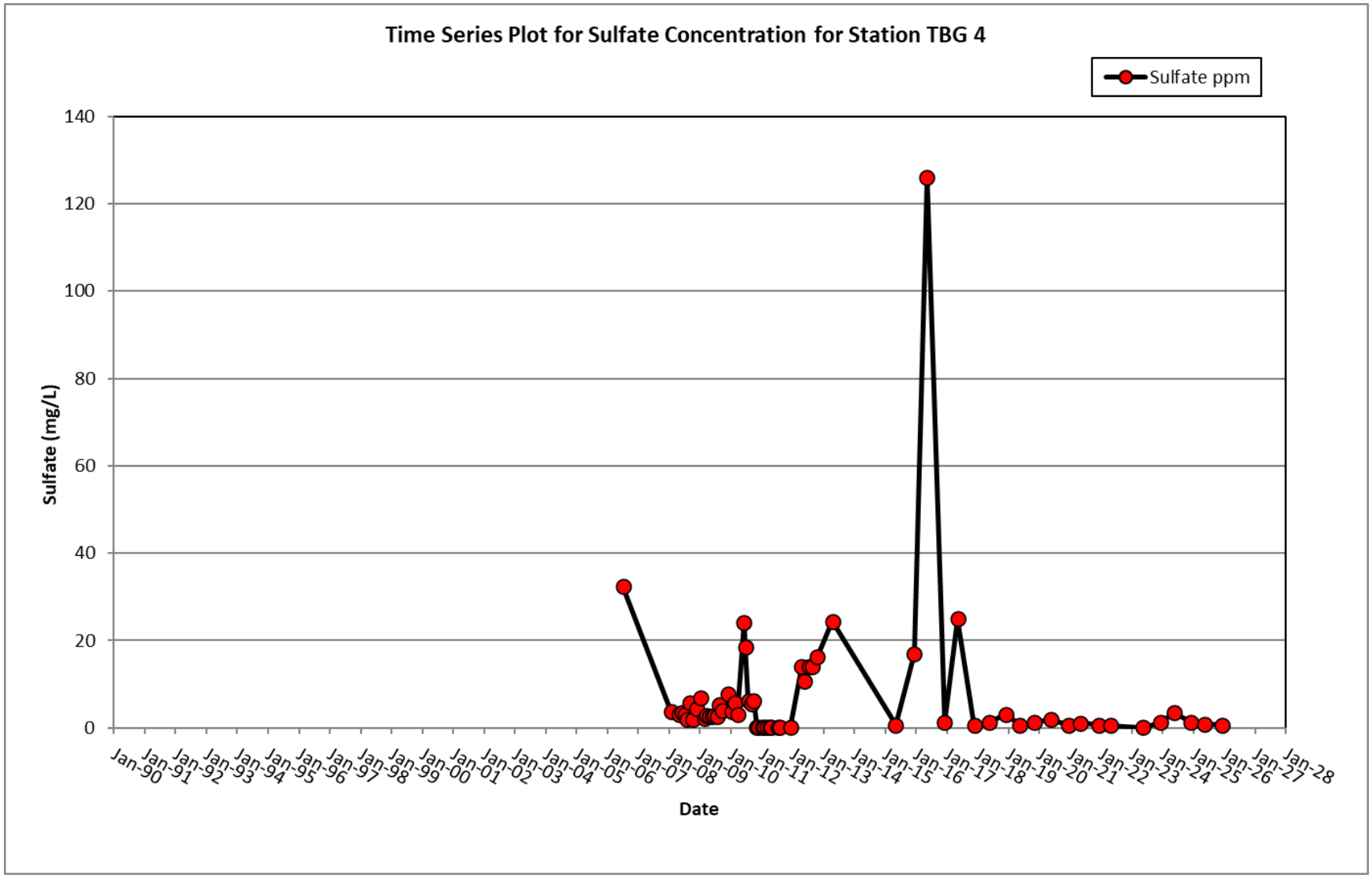
Date


Time Series Plot for Sulfate Concentration for Station TBG 4
Sulfate ppm
Sulfate (mg/L)
140
120
100
80
60
40
20
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
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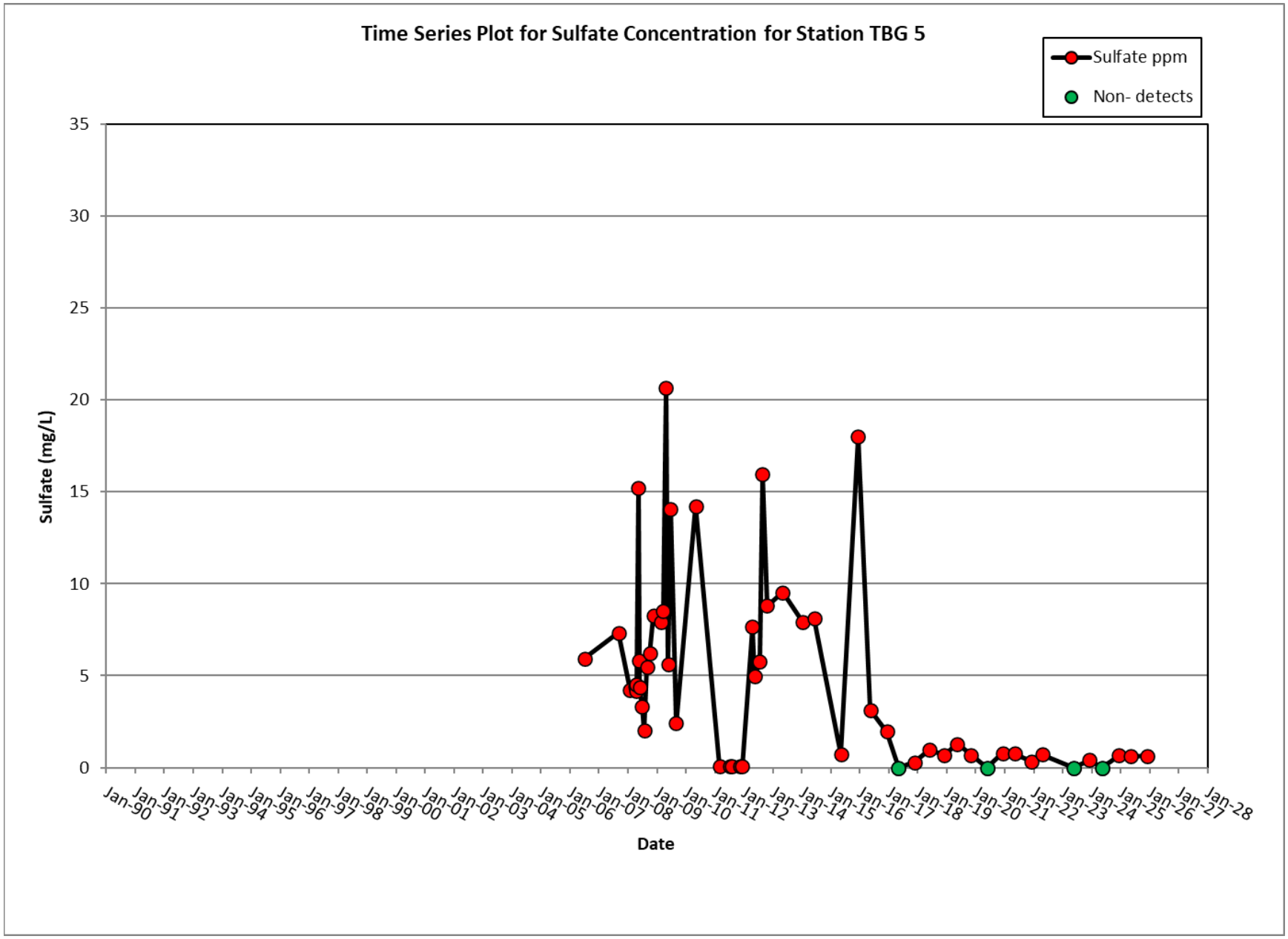
Date


Time Series Plot for Sulfate Concentration for Station TBG 5
Sulfate ppm
Non- detects
Sulfate (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
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Jan-03
Jan-04
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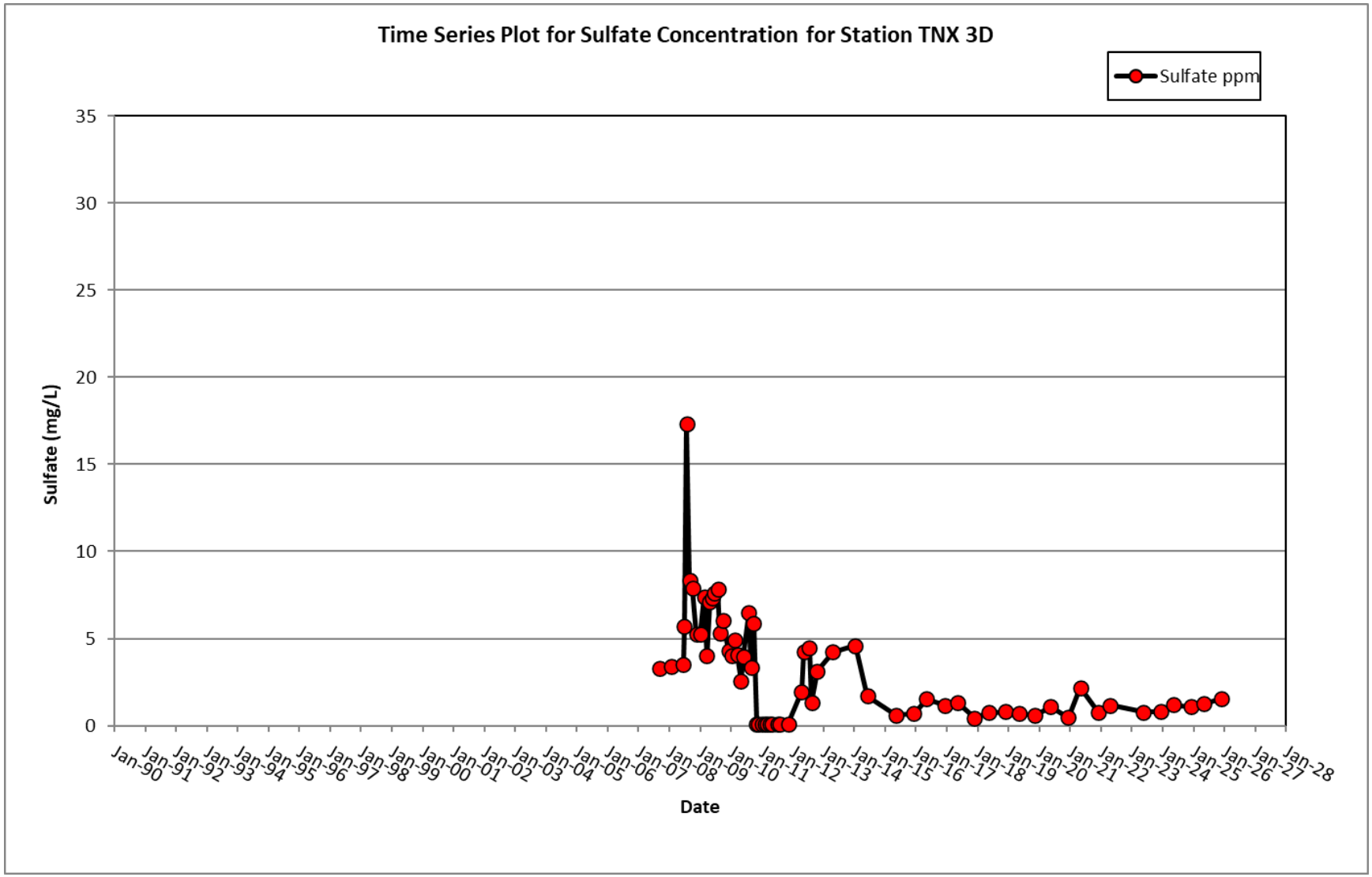
Jan-28
Date


Time Series Plot for Sulfate Concentration for Station TNX 3D
Sulfate ppm
Sulfate (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
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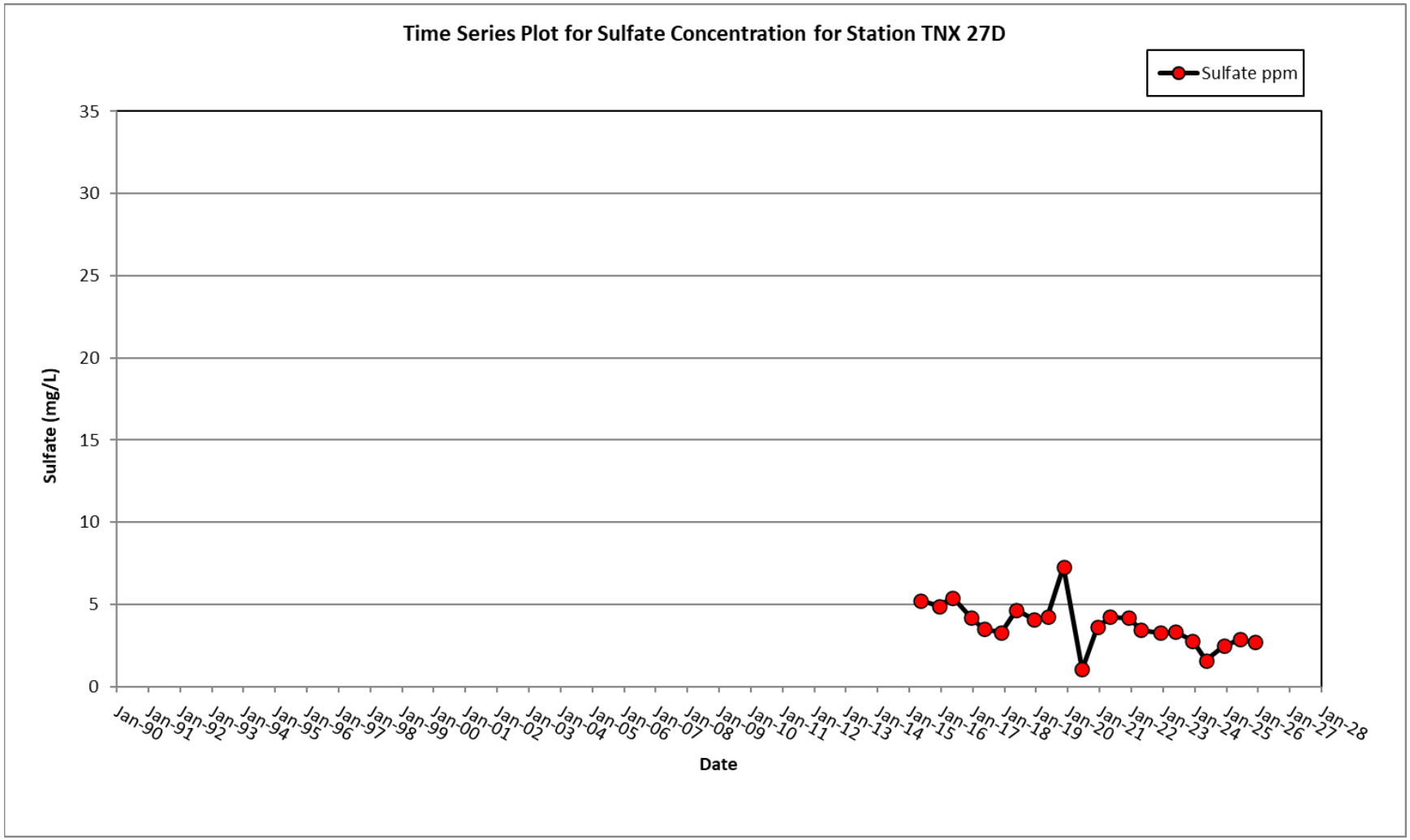
Date


Time Series Plot for Sulfate Concentration for Station TNX 27D
Sulfate ppm
Sulfate (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
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Jan-04
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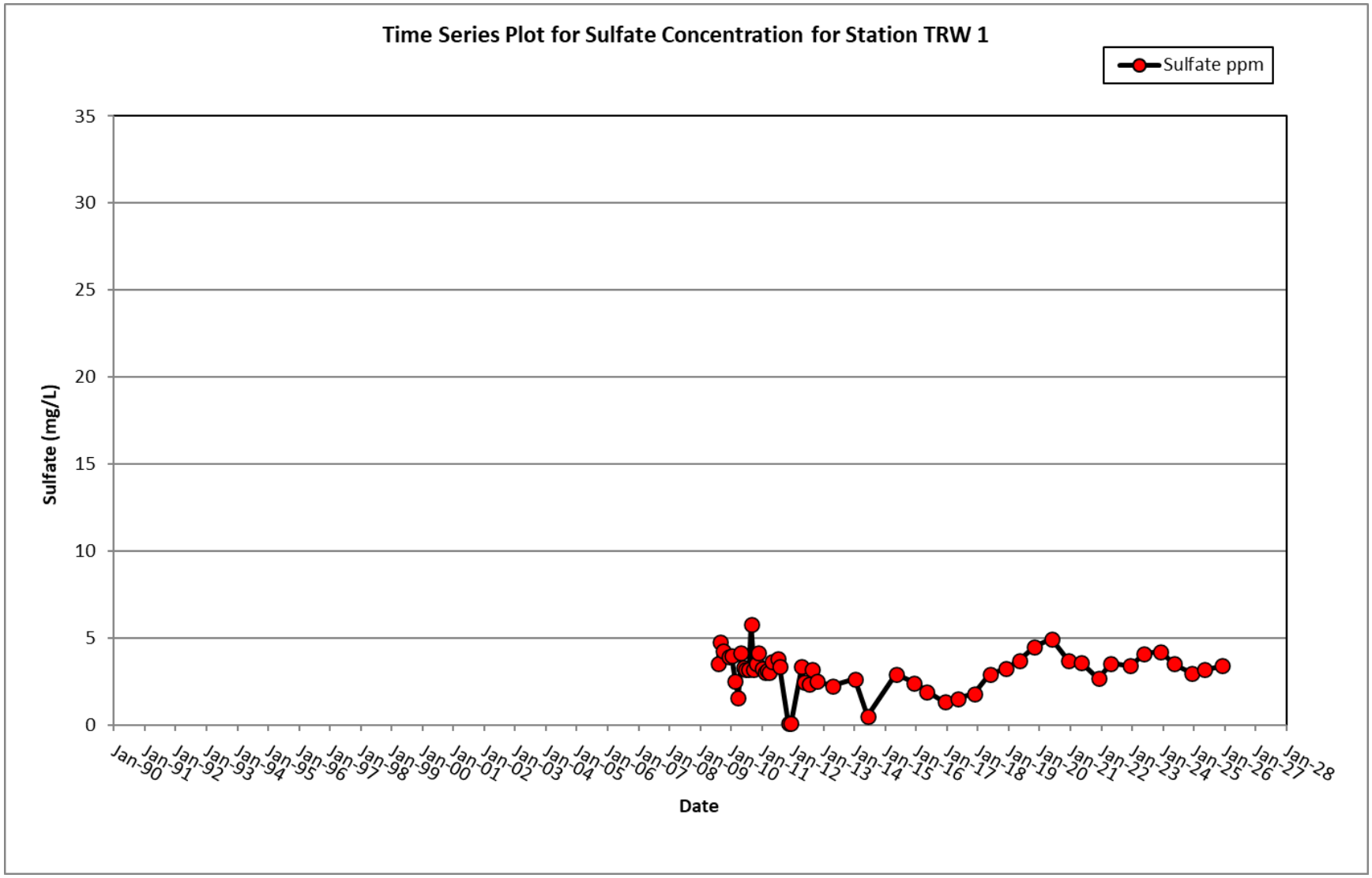
Date


Time Series Plot for Sulfate Concentration for Station TRW 1
Sulfate ppm
Sulfate (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
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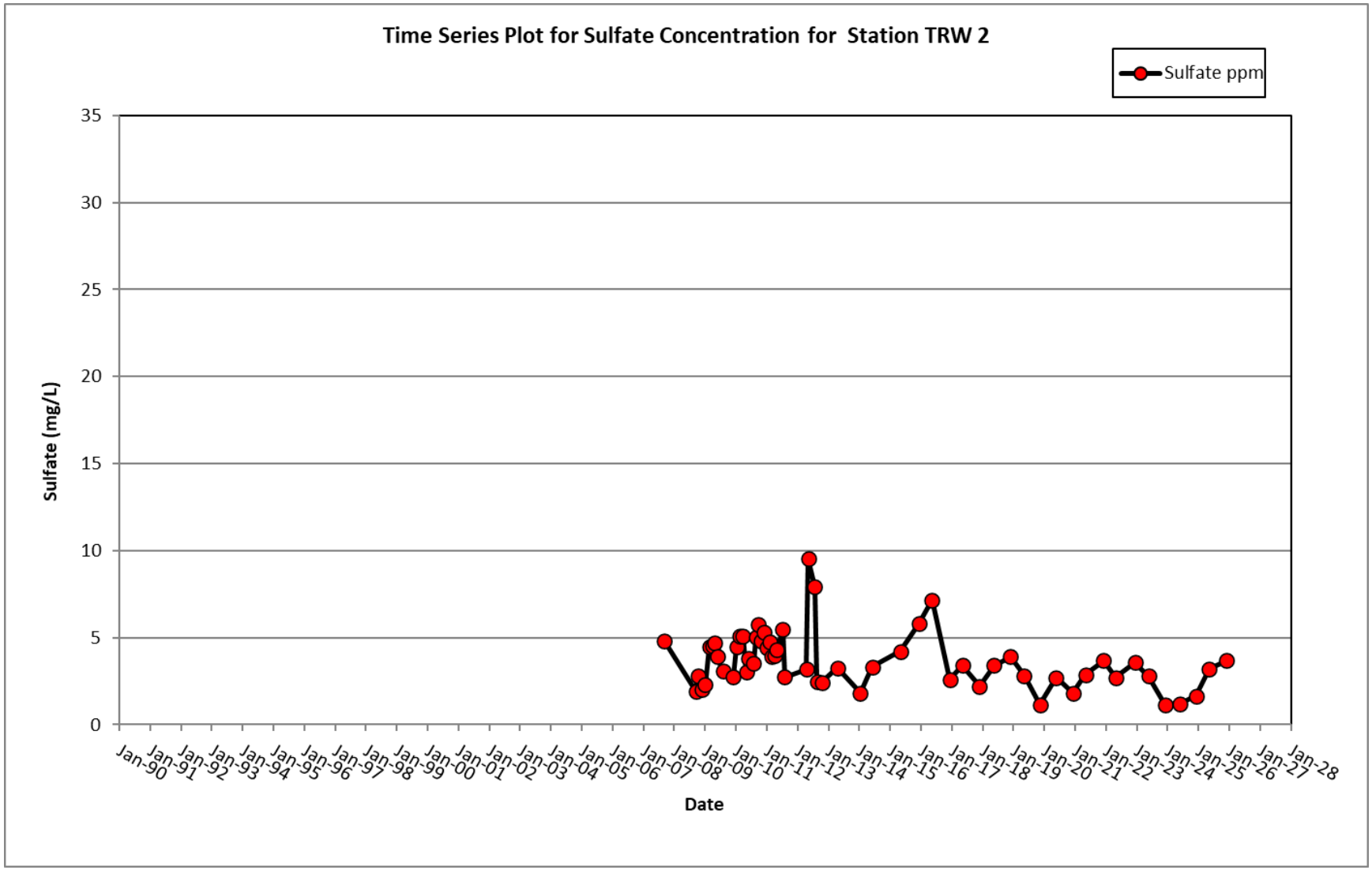
Date


Time Series Plot for Sulfate Concentration for Station TRW 2
Sulfate ppm
Sulfate (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
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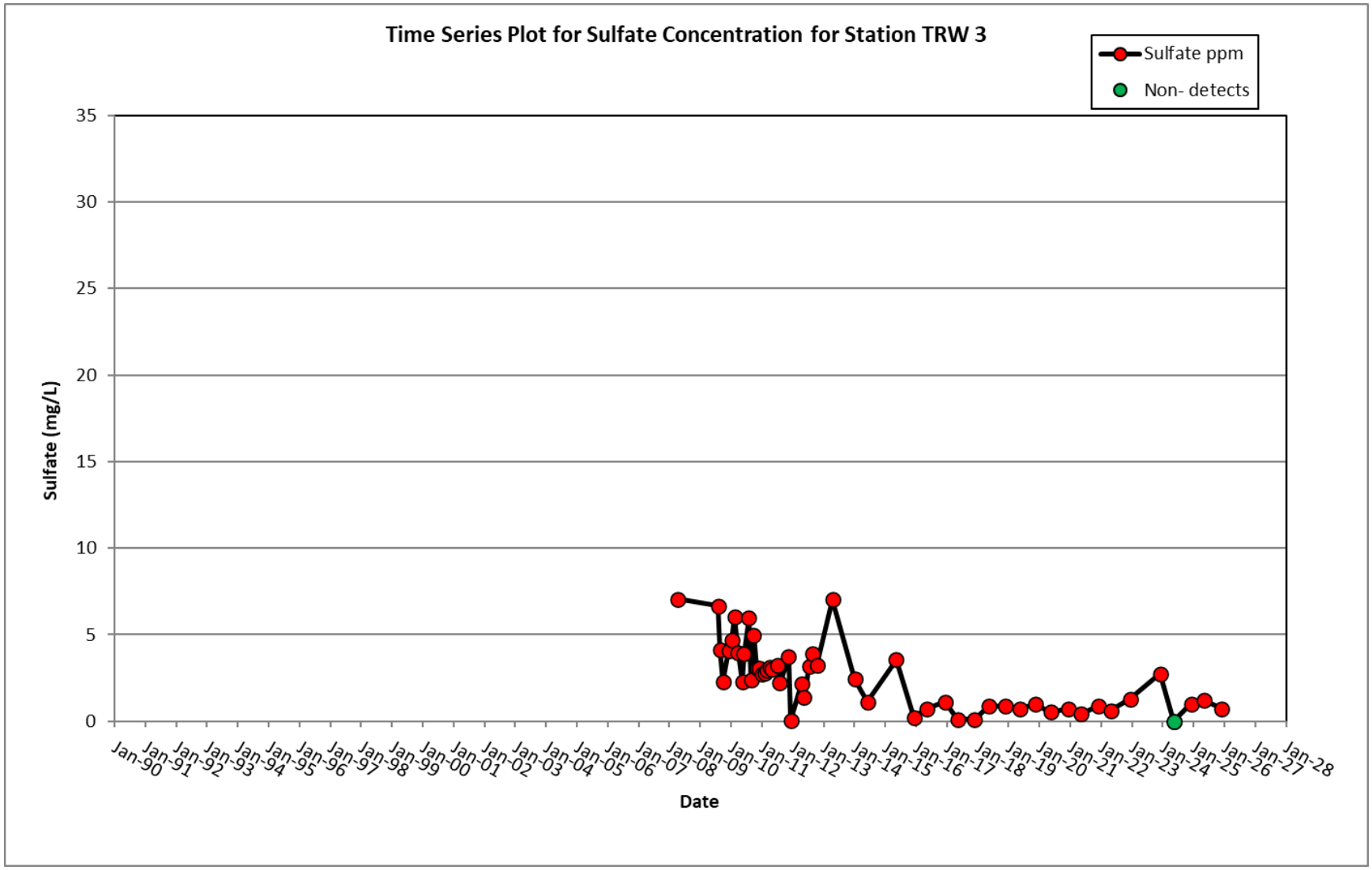
Date


Time Series Plot for Sulfate Concentration for Station TRW 3
Sulfate ppm
Non- detects
Sulfate (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
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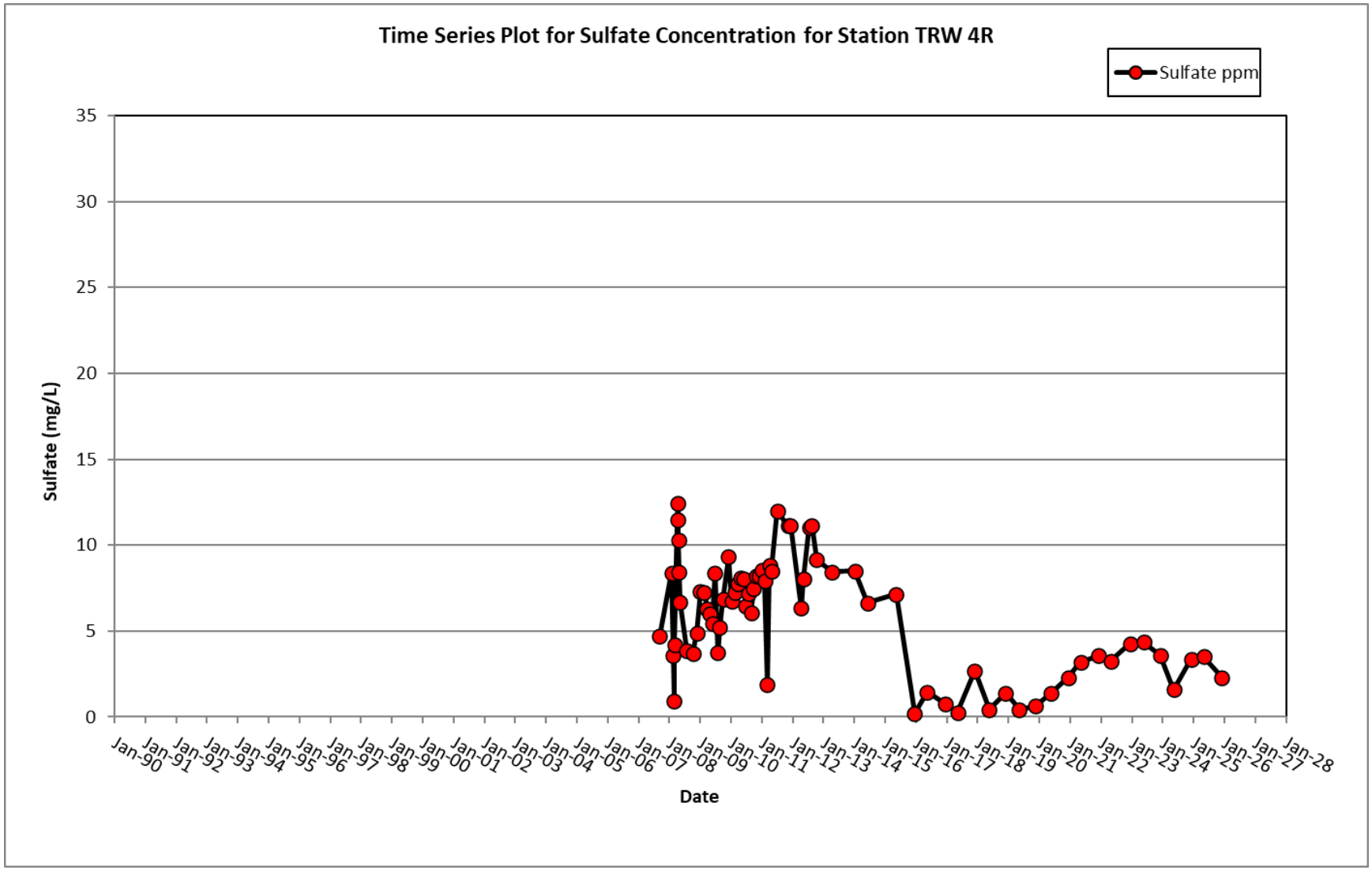
Date


Time Series Plot for Sulfate Concentration for Station TRW 4R
Sulfate ppm
Sulfate (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
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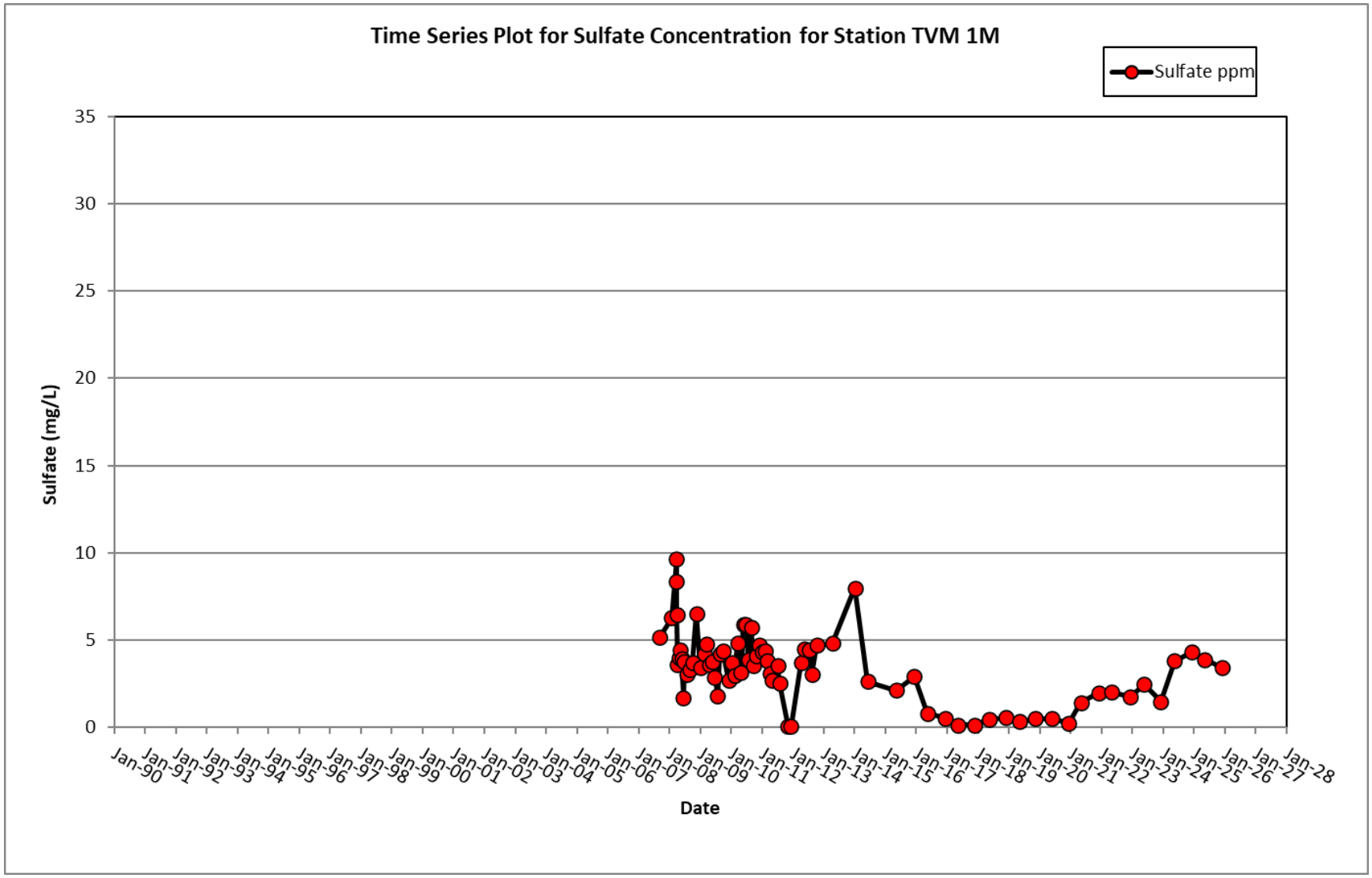
Date


Time Series Plot for Sulfate Concentration for Station TVM 1M
Sulfate ppm
Sulfate (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
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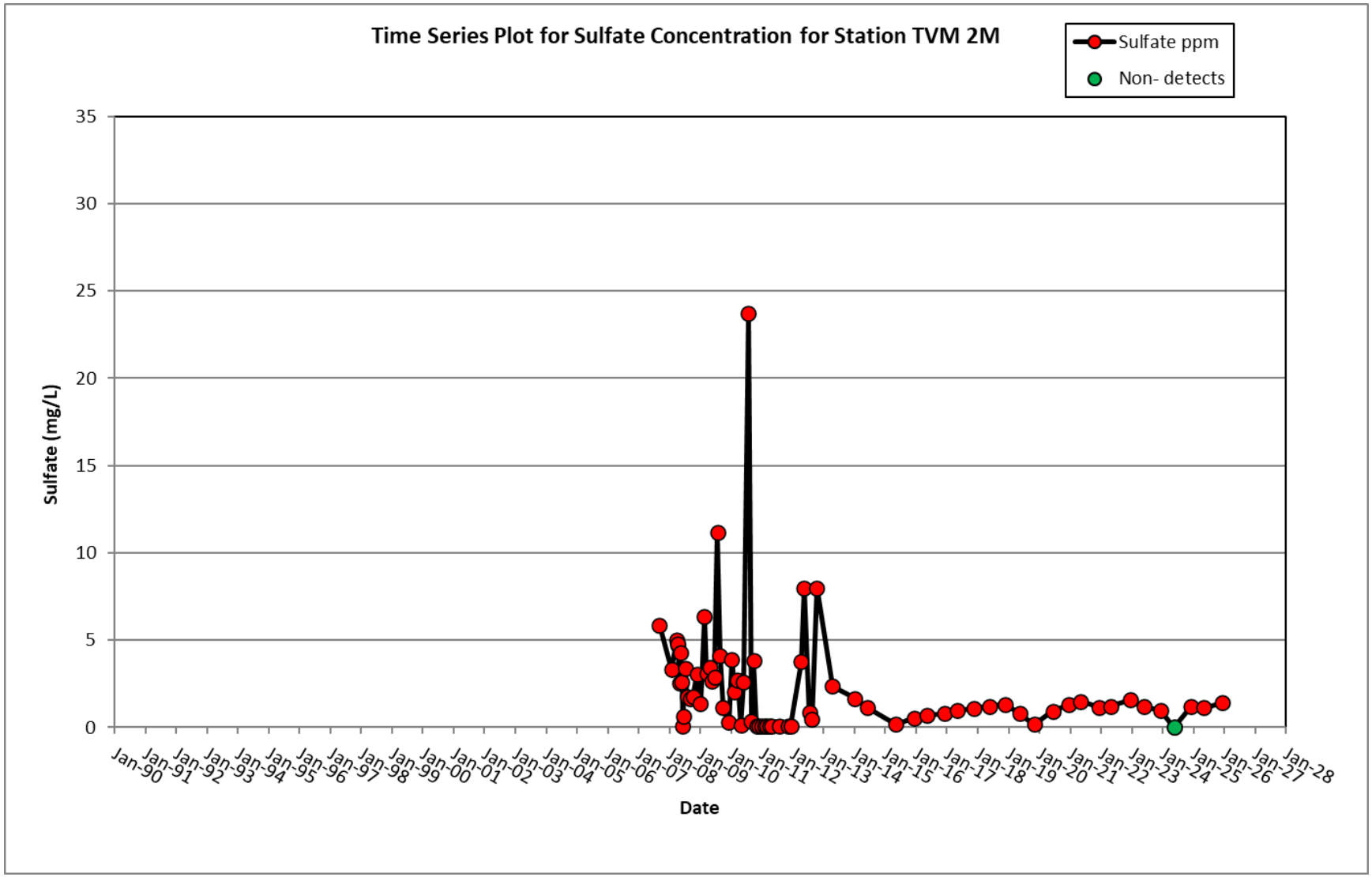
Jan-28
Date


Time Series Plot for Sulfate Concentration for Station TVM 2M
Sulfate ppm
Non- detects
Sulfate (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
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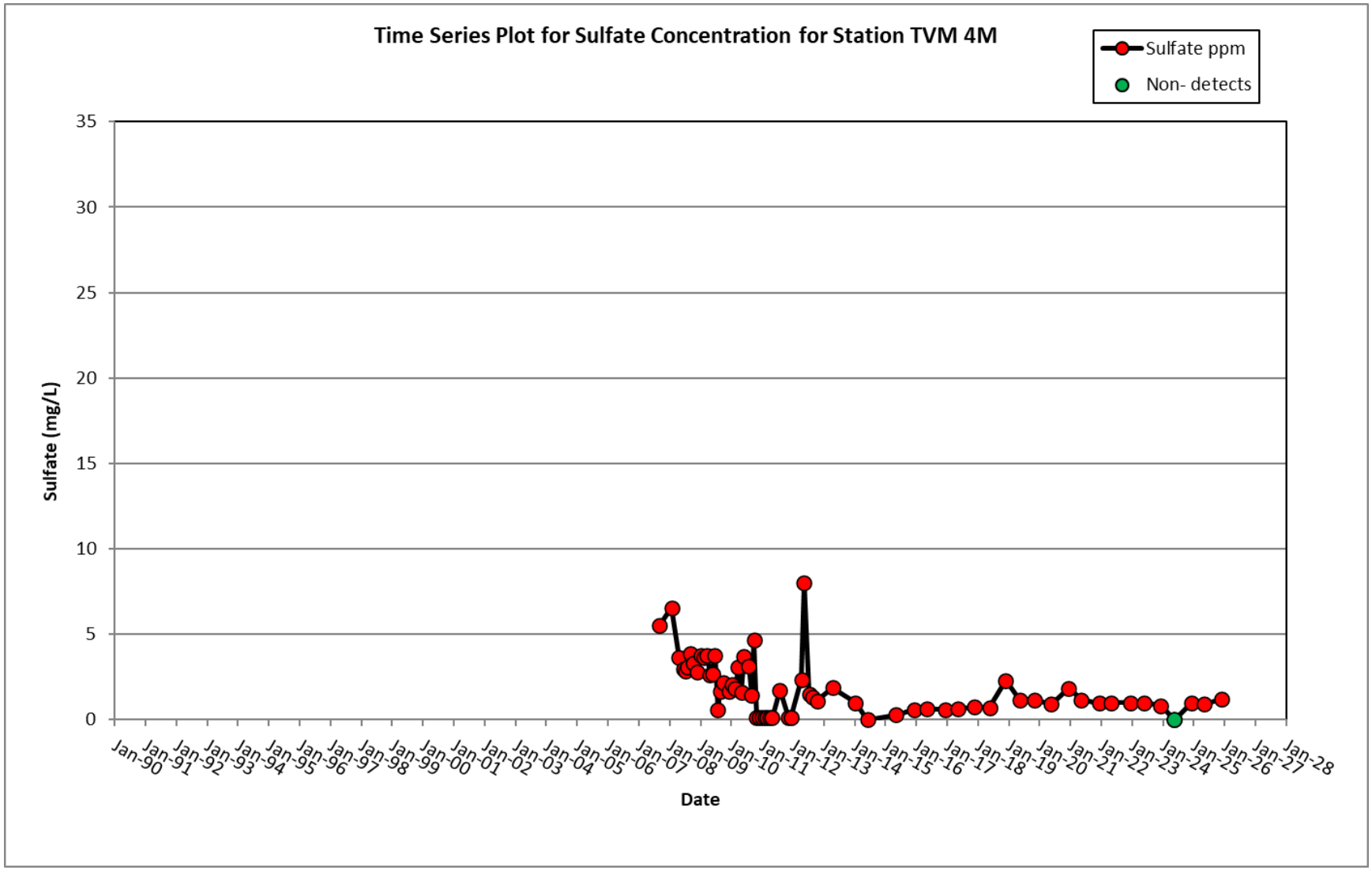
Date


Time Series Plot for Sulfate Concentration for Station TVM 4M
Sulfate ppm
Non- detects
Sulfate (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
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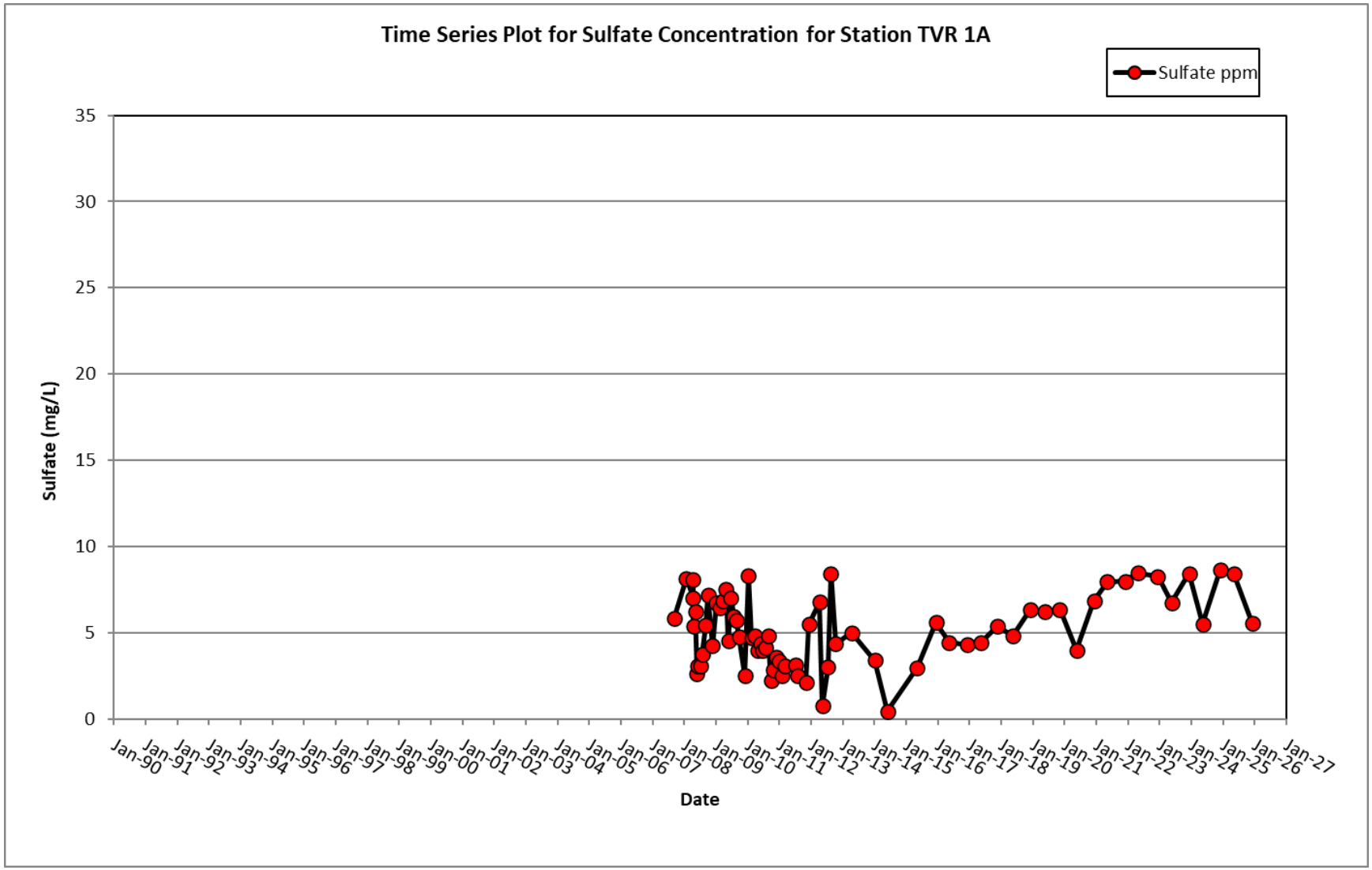
Date


Time Series Plot for Sulfate Concentration for Station TVR 1A
Sulfate ppm
Sulfate (mg/L)
35
30
25
20
15
10
5
0
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
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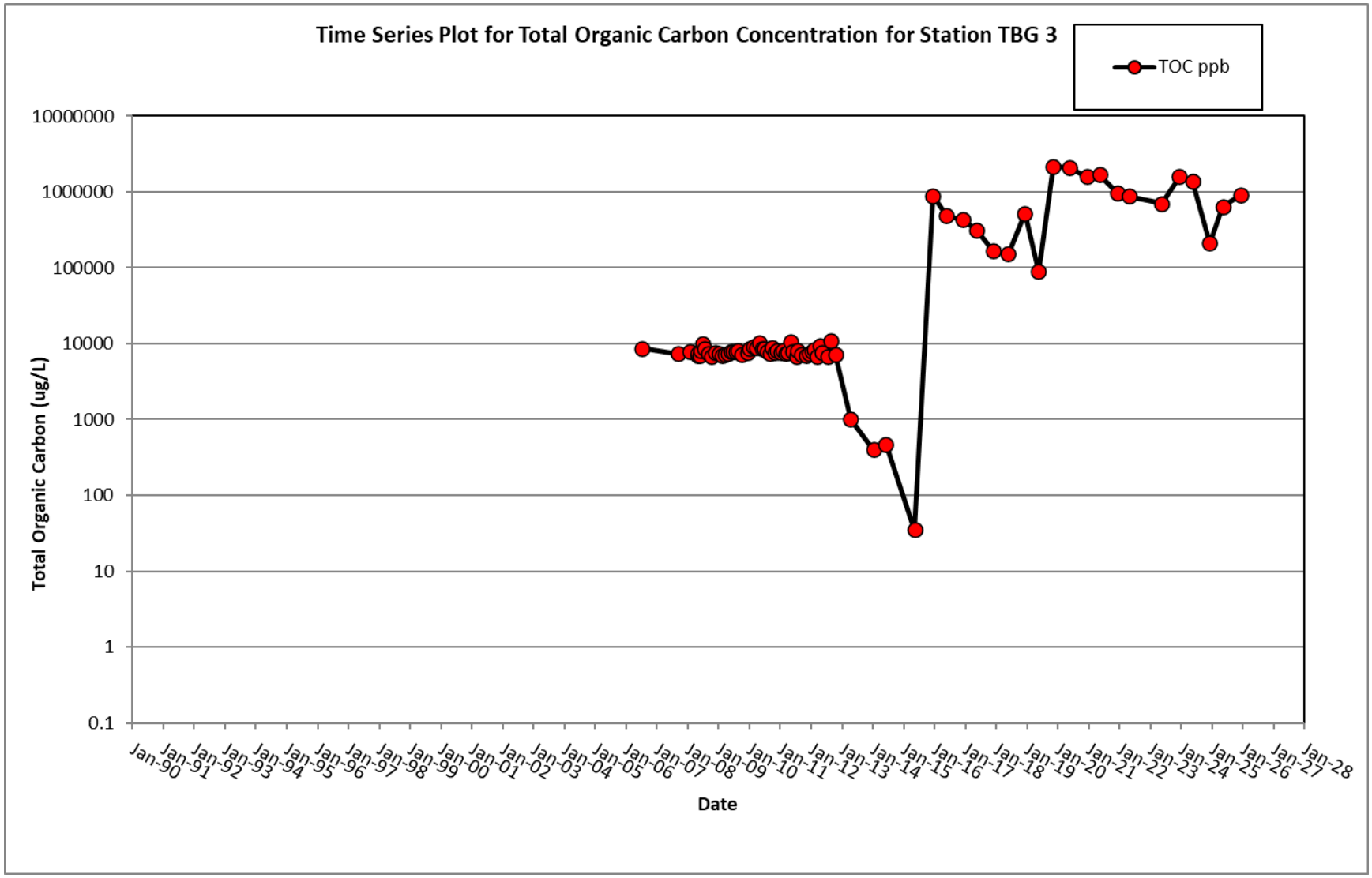
Jan-27
Date


Time Series Plot for Total Organic Carbon Concentration for Station TBG 3
TOC ppb
Total Organic Carbon (ug/L)
10000000
1000000
100000
10000
1000
100
10
1
0.1
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
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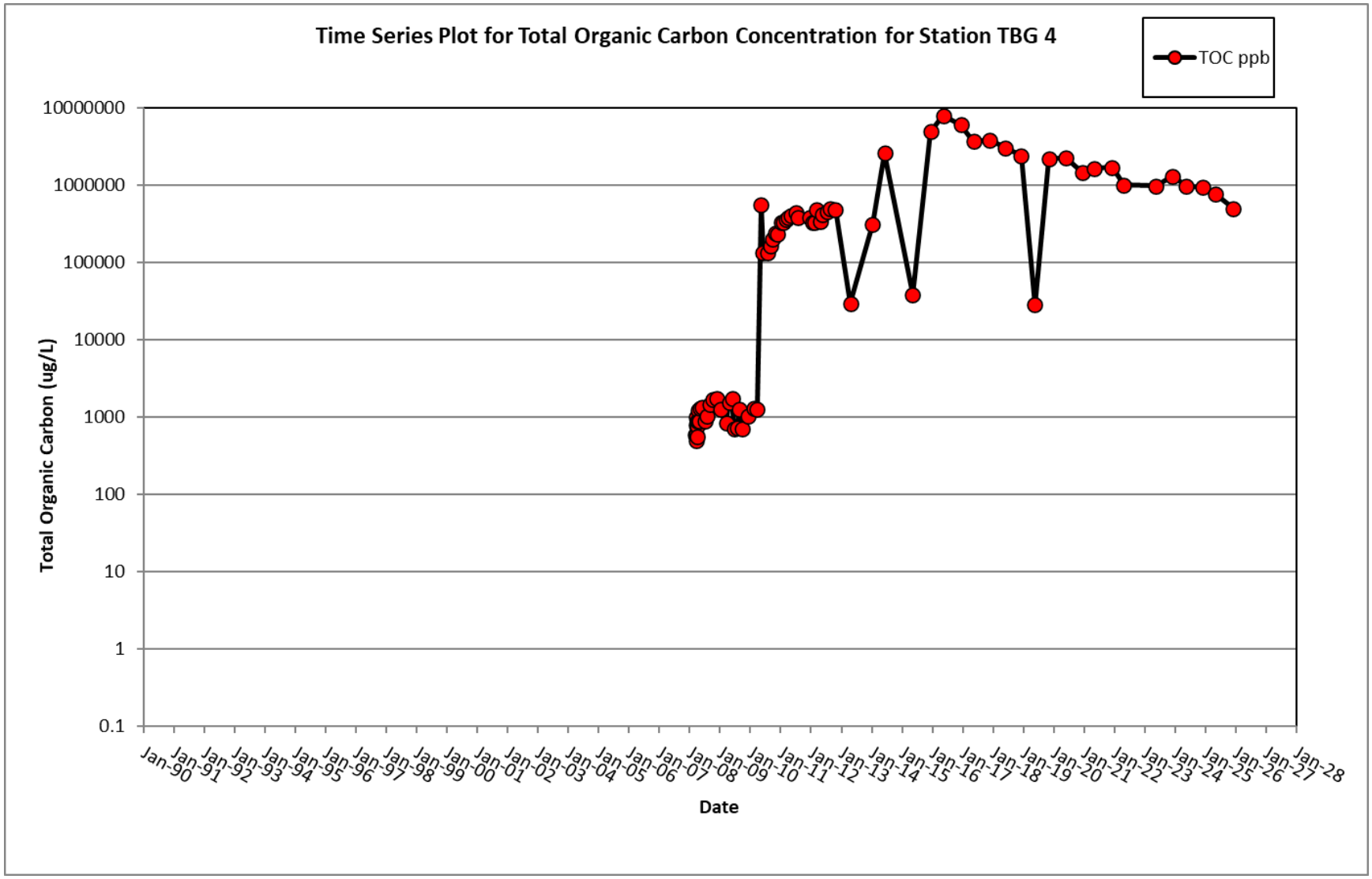
Date


Time Series Plot for Total Organic Carbon Concentration for Station TBG 4
TOC ppb
Total Organic Carbon (ug/L)
10000000
1000000
100000
10000
1000
100
10
1
0.1
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
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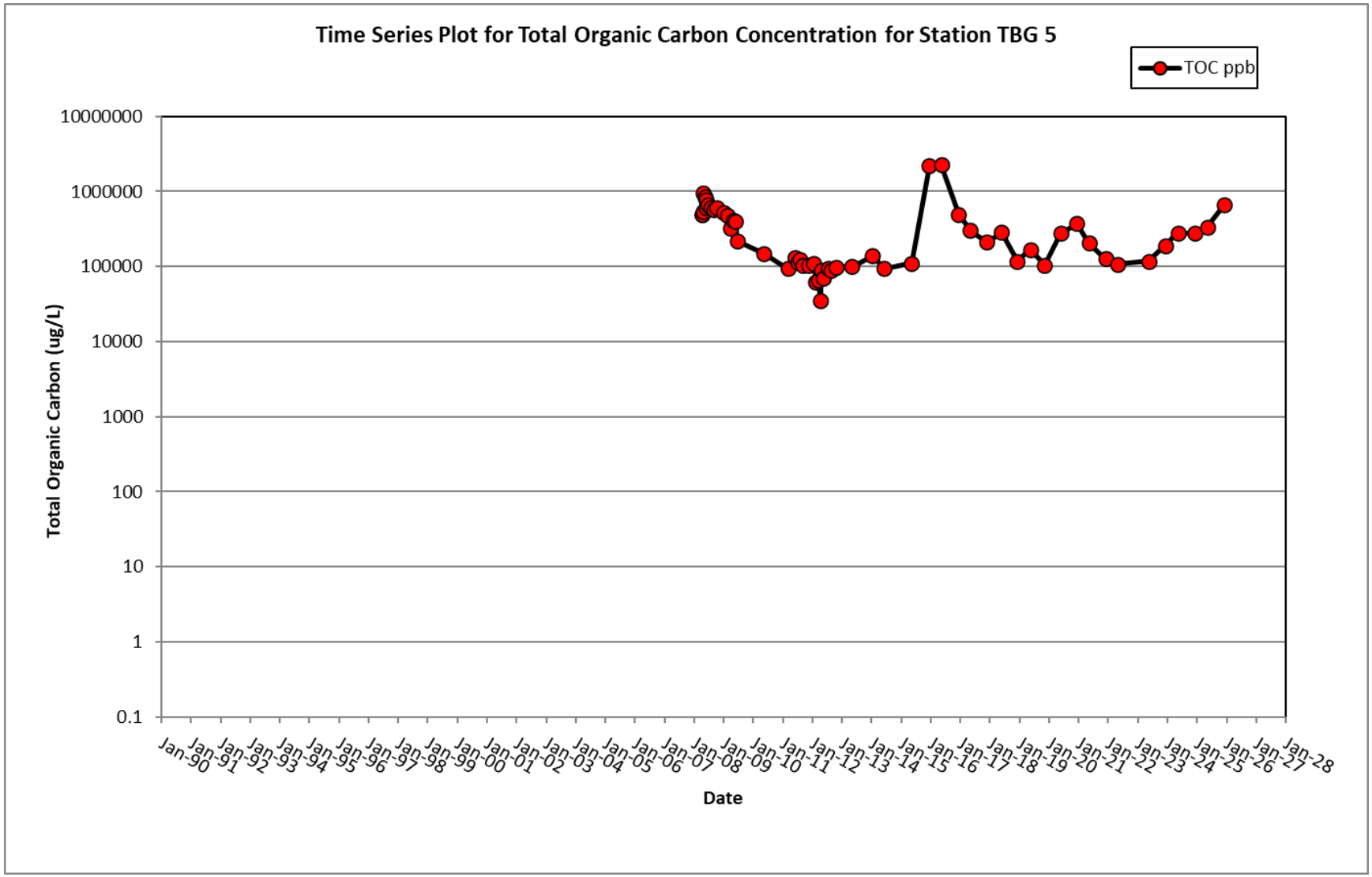
Date


Time Series Plot for Total Organic Carbon Concentration for Station TBG 5
TOC ppb
Total Organic Carbon (ug/L)
10000000
1000000
100000
10000
1000
100
10
1
0.1
Jan-90
Jan-91
Jan-92
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Jan-94
Jan-95
Jan-96
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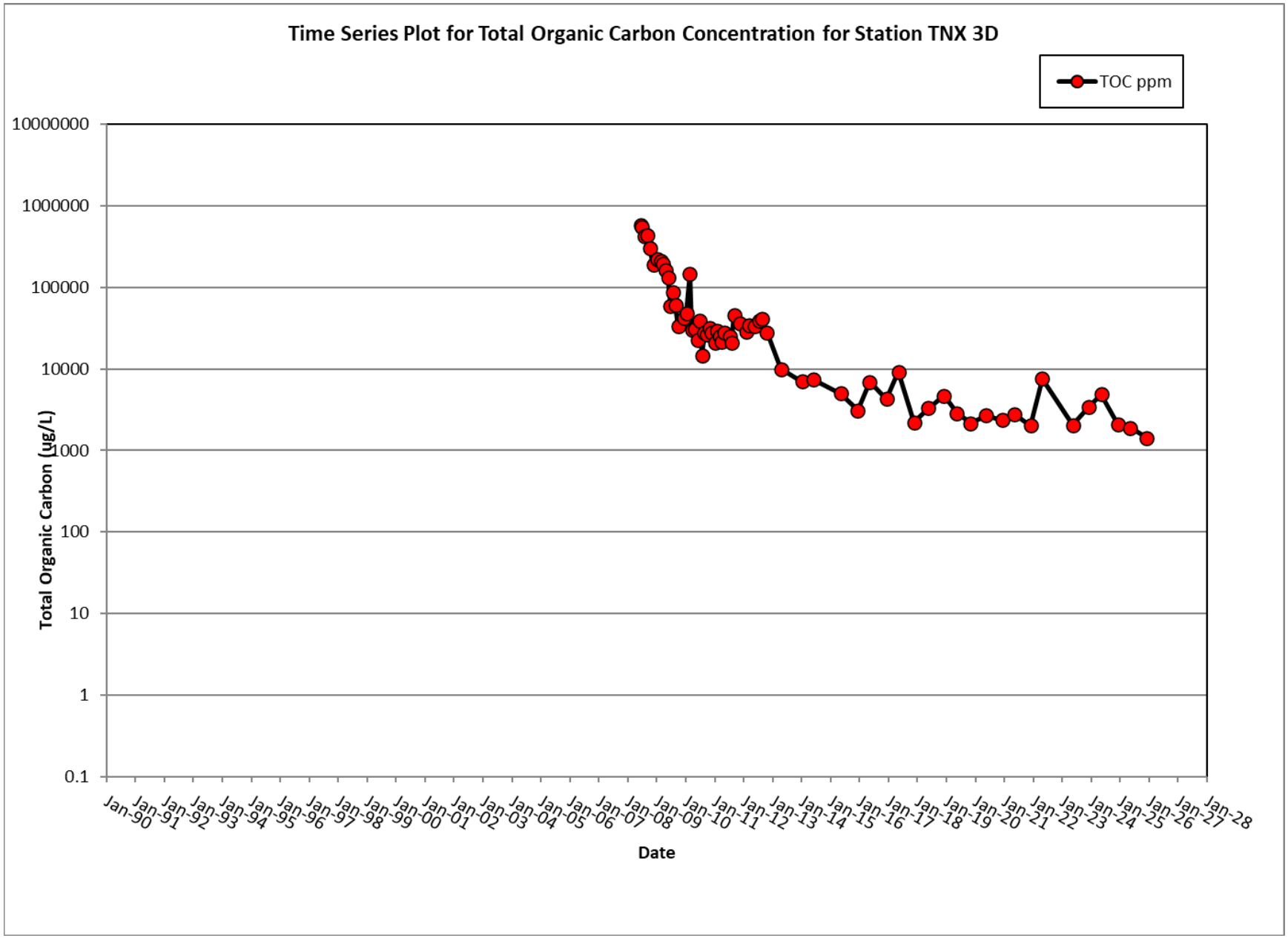
Jan-28
Date


Time Series Plot for Total Organic Carbon Concentration for Station TNX 3D
TOC ppm
Total Organic Carbon (µg/L)
10000000
1000000
100000
10000
1000
100
10
1
0.1
Jan-90
Jan-91
Jan-92
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Jan-94
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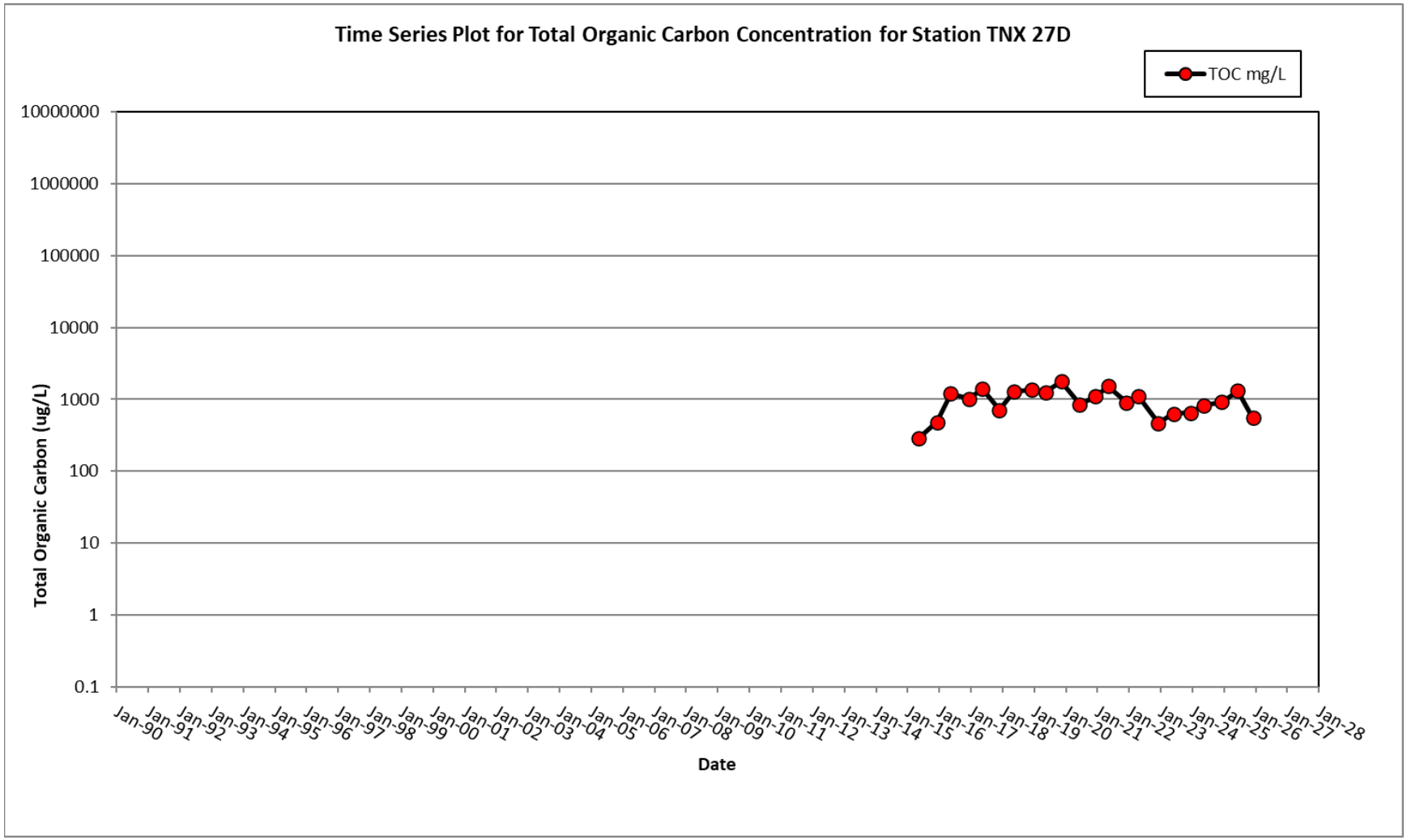
Date


Time Series Plot for Total Organic Carbon Concentration for Station TNX 27D
TOC mg/L
Total Organic Carbon (ug/L)
10000000
1000000
100000
10000
1000
100
10
1
0.1
Jan-90
Jan-91
Jan-92
Jan-93
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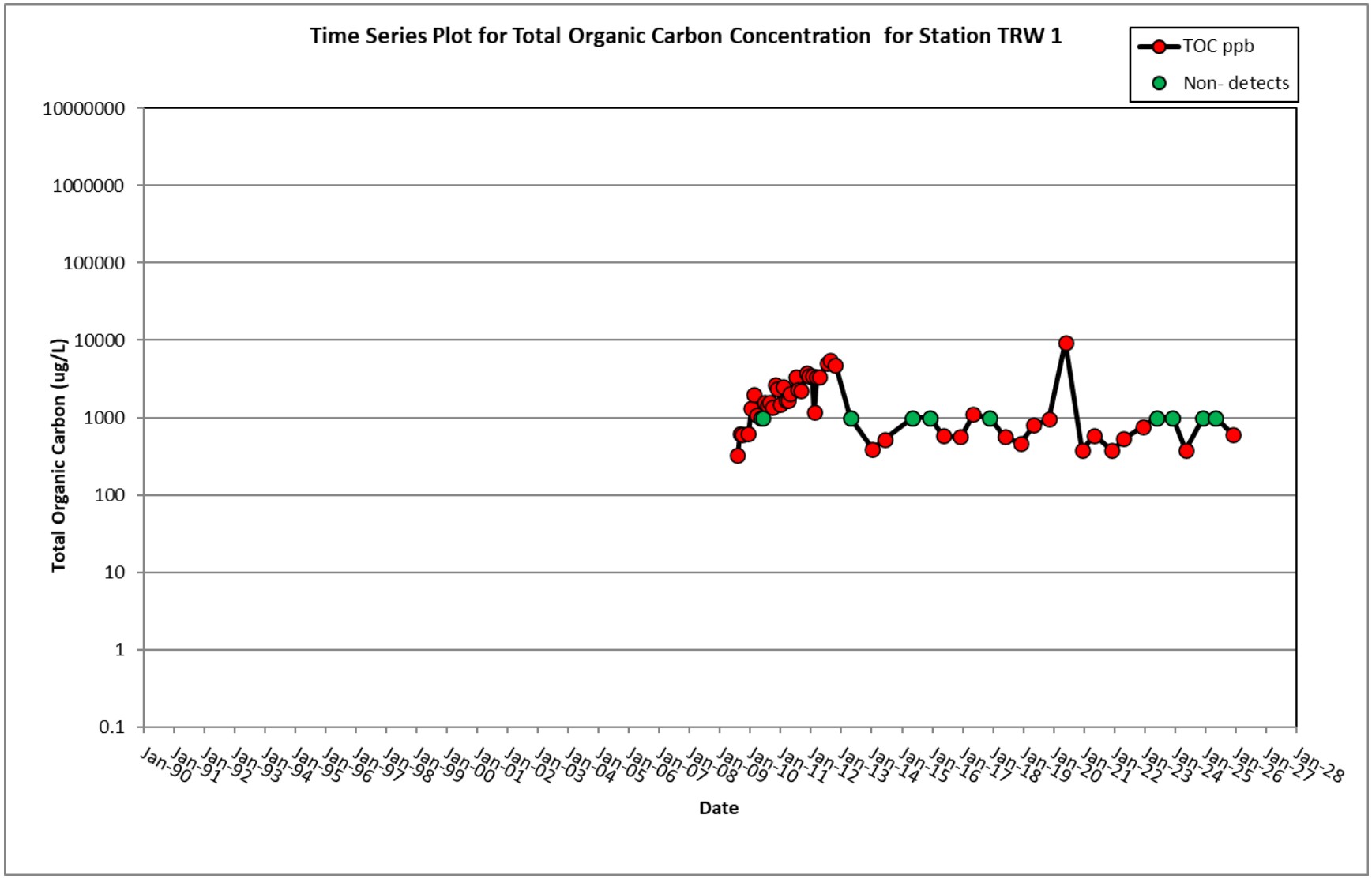
Date


Time Series Plot for Total Organic Carbon Concentration for Station TRW 1
TOC ppb
Non- detects
Total Organic Carbon (ug/L)
10000000
1000000
100000
10000
1000
100
10
1
0.1
Jan-90
Jan-91
Jan-92
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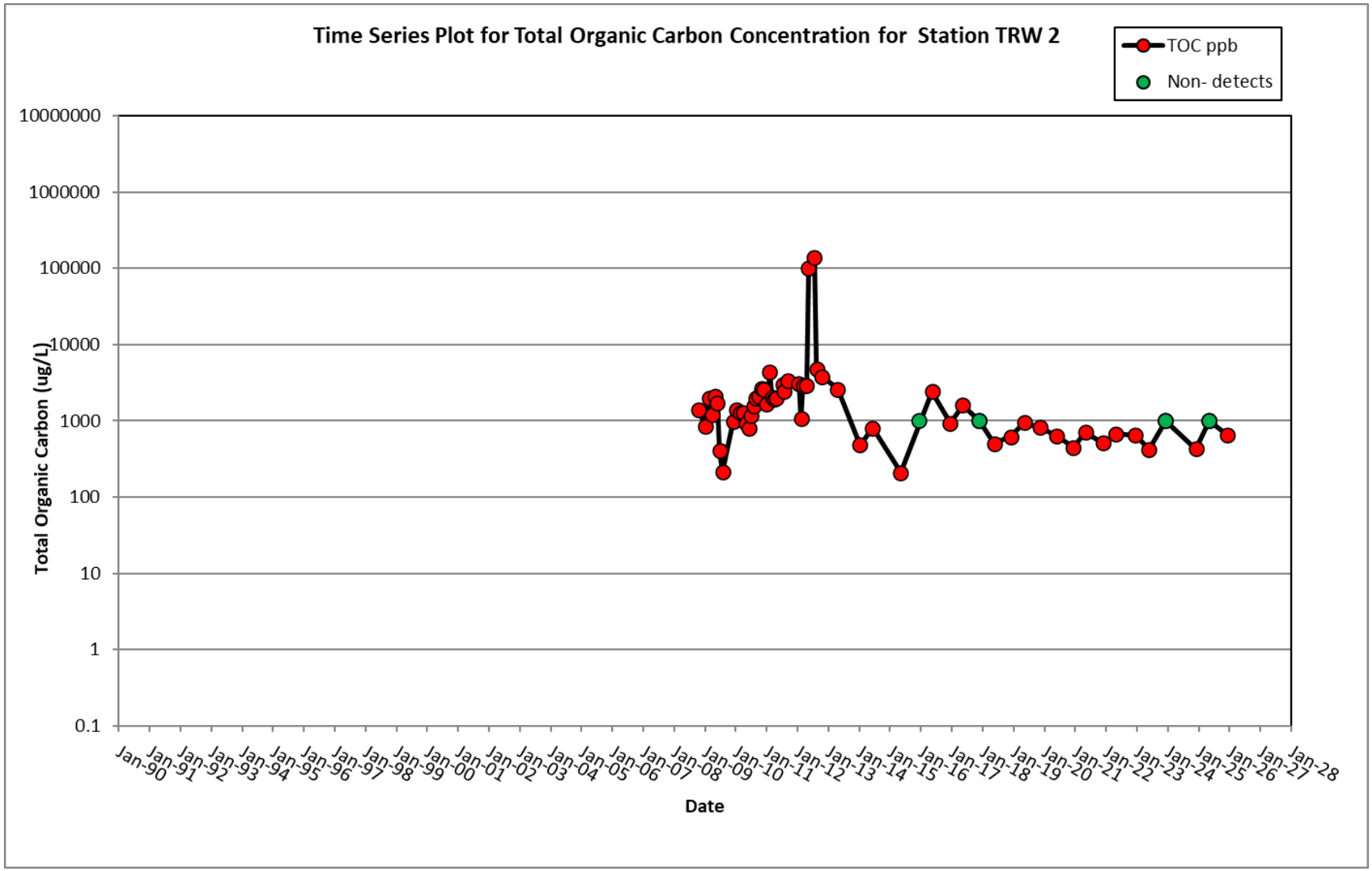
Jan-28
Date


Time Series Plot for Total Organic Carbon Concentration for Station TRW 2
TOC ppb
Non- detects
Total Organic Carbon (ug/L)
10000000
1000000
100000
10000
1000
100
10
1
0.1
Jan-90
Jan-91
Jan-92
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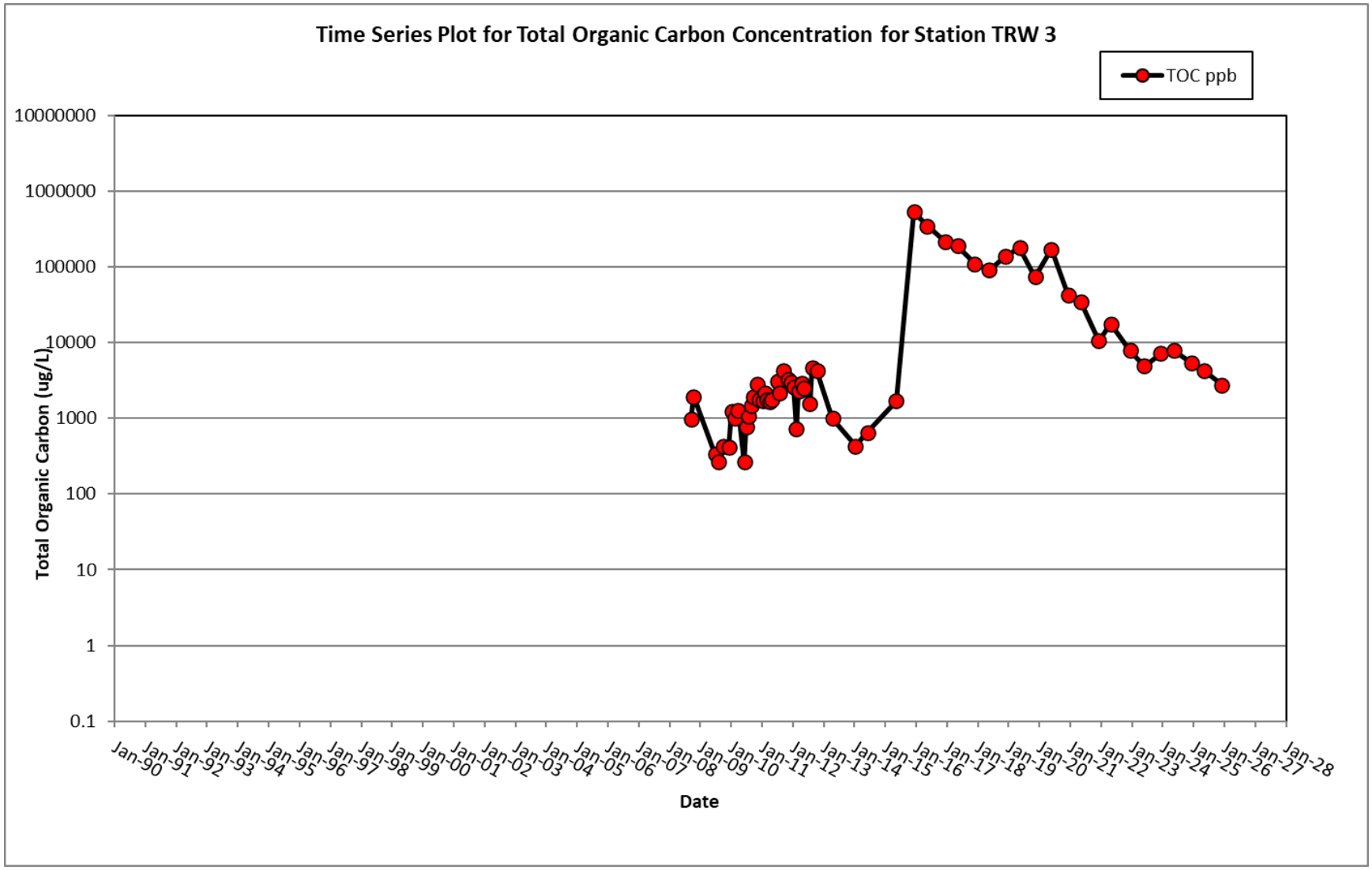
Jan-28
Date


Time Series Plot for Total Organic Carbon Concentration for Station TRW 3
TOC ppb
Total Organic Carbon (ug/L)
10000000
1000000
100000
10000
1000
100
10
1
0.1
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
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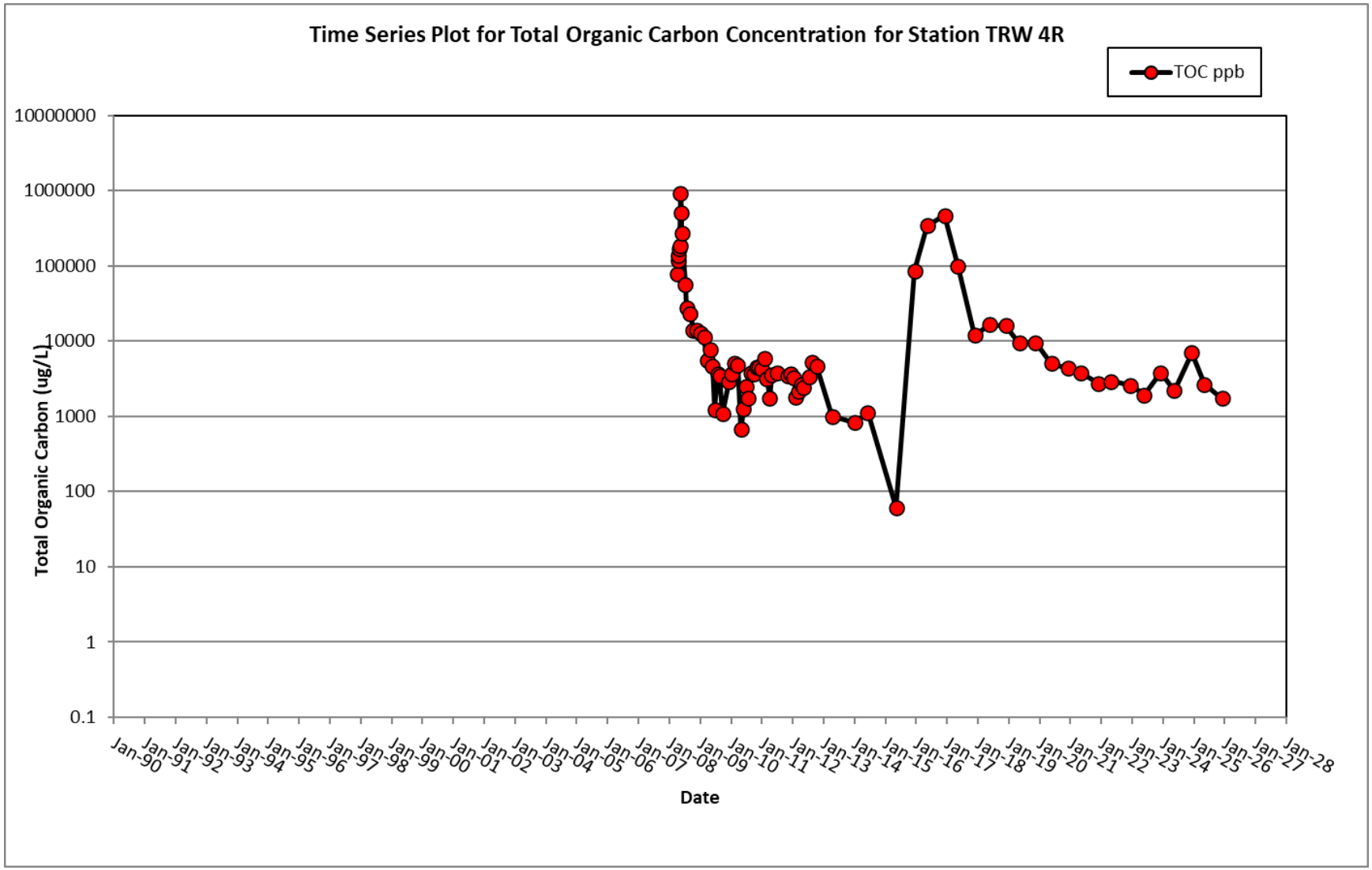
Jan-28
Date


Time Series Plot for Total Organic Carbon Concentration for Station TRW 4R
TOC ppb
Total Organic Carbon (ug/L)
10000000
1000000
100000
10000
1000
100
10
1
0.1
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
Jan-09
Jan-10
Jan-11
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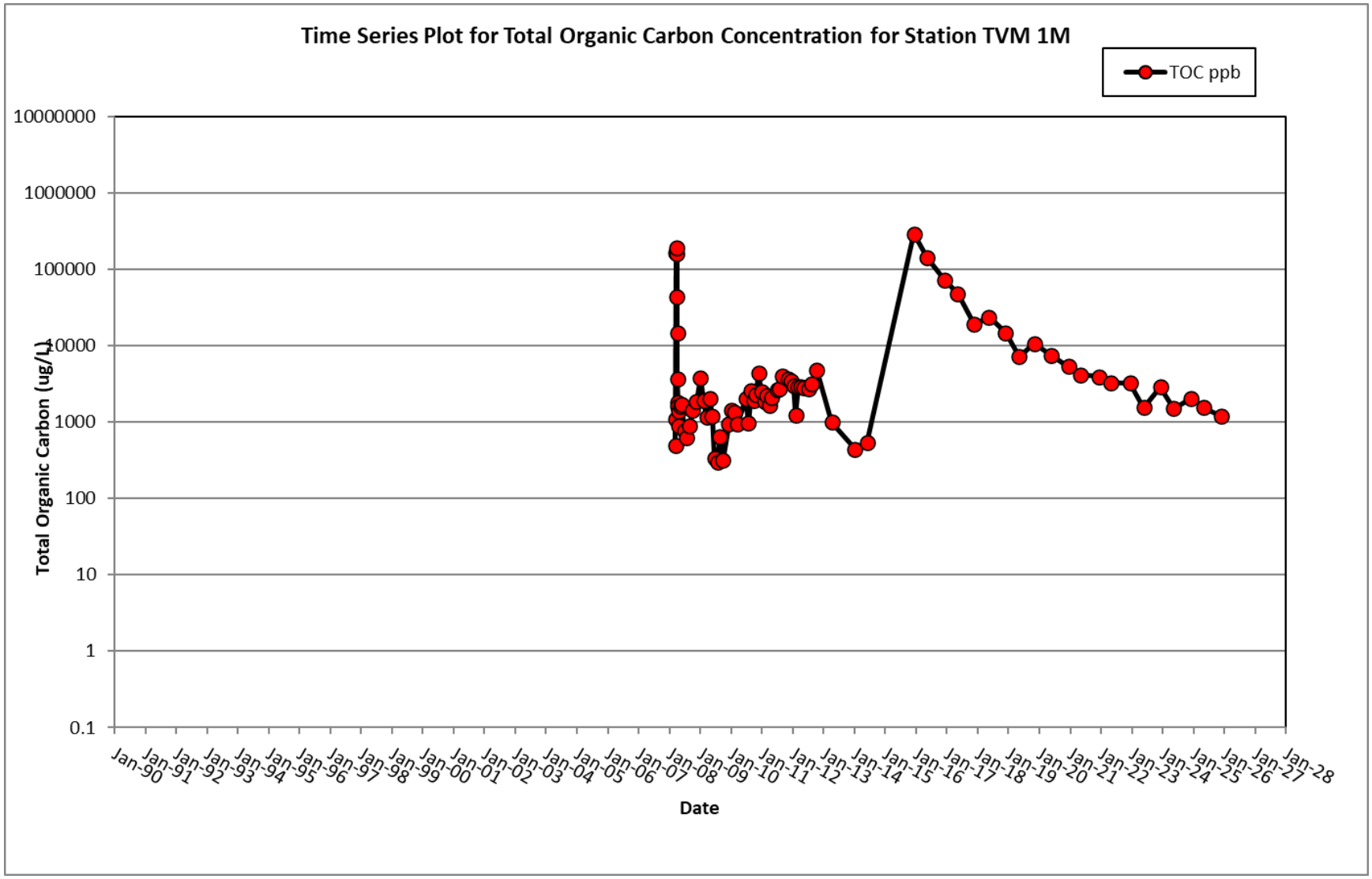
Jan-28
Date


Time Series Plot for Total Organic Carbon Concentration for Station TVM 1M
TOC ppb
Total Organic Carbon (ug/L)
10000000
1000000
100000
10000
1000
100
10
1
0.1
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
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Jan-05
Jan-06
Jan-07
Jan-08
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Jan-11
Jan-12
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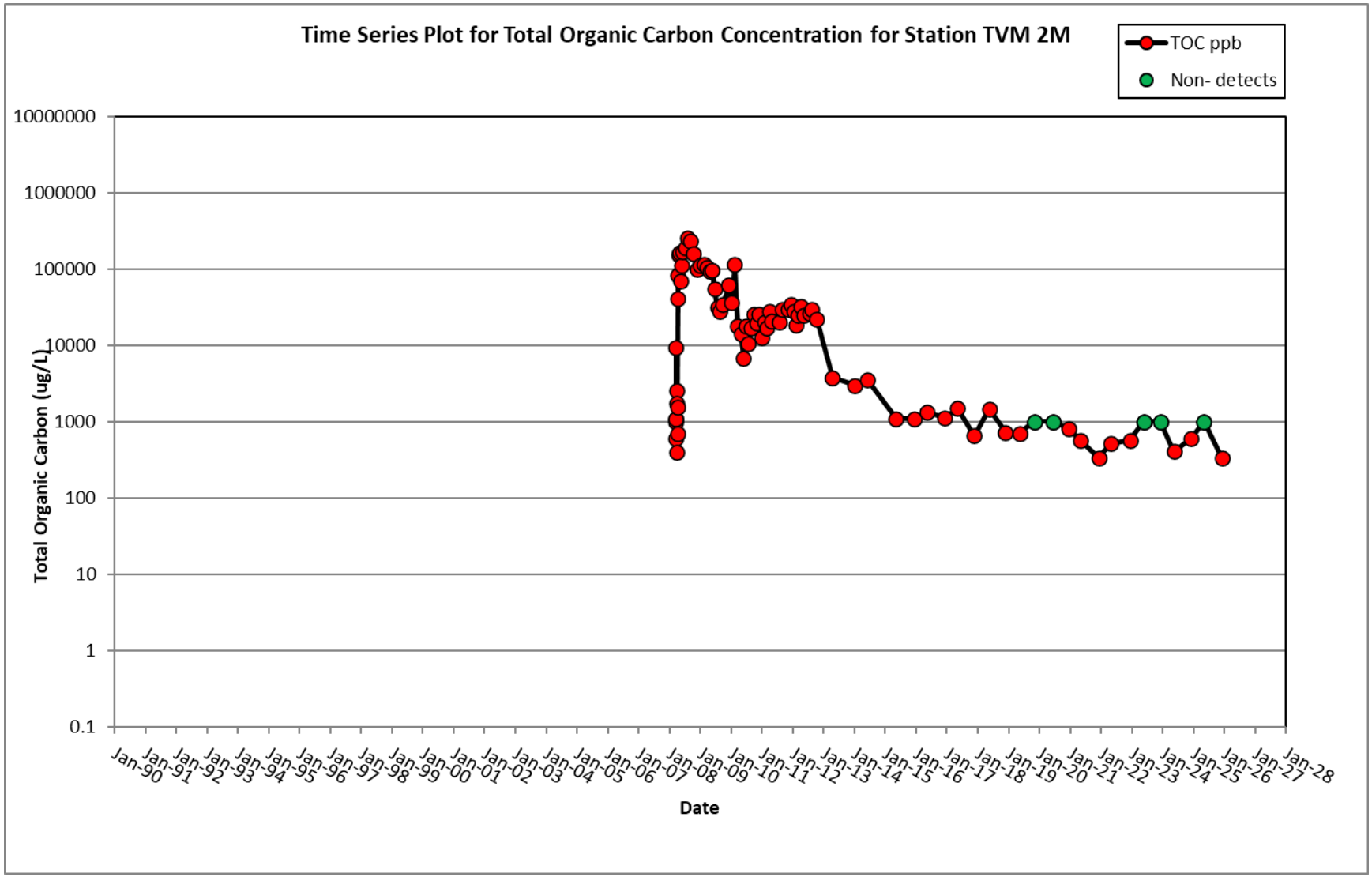
Date


Time Series Plot for Total Organic Carbon Concentration for Station TVM 2M
TOC ppb
Non- detects
Total Organic Carbon (ug/L)
10000000
1000000
100000
10000
1000
100
10
1
0.1
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
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Jan-00
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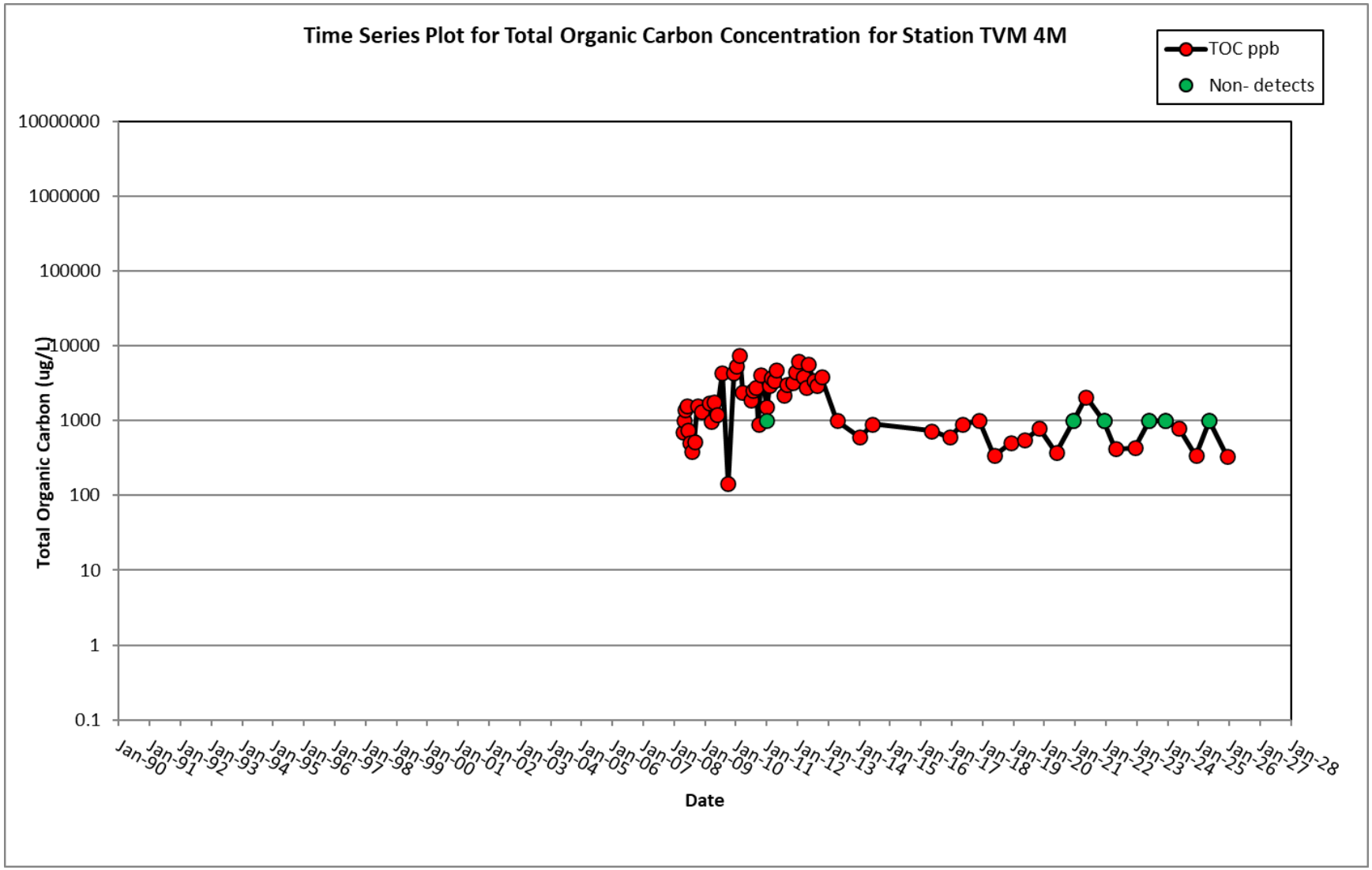
Jan-28
Date


Time Series Plot for Total Organic Carbon Concentration for Station TVM 4M
TOC ppb
Non- detects
Total Organic Carbon (ug/L)
10000000
1000000
100000
10000
1000
100
10
1
0.1
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
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Jan-99
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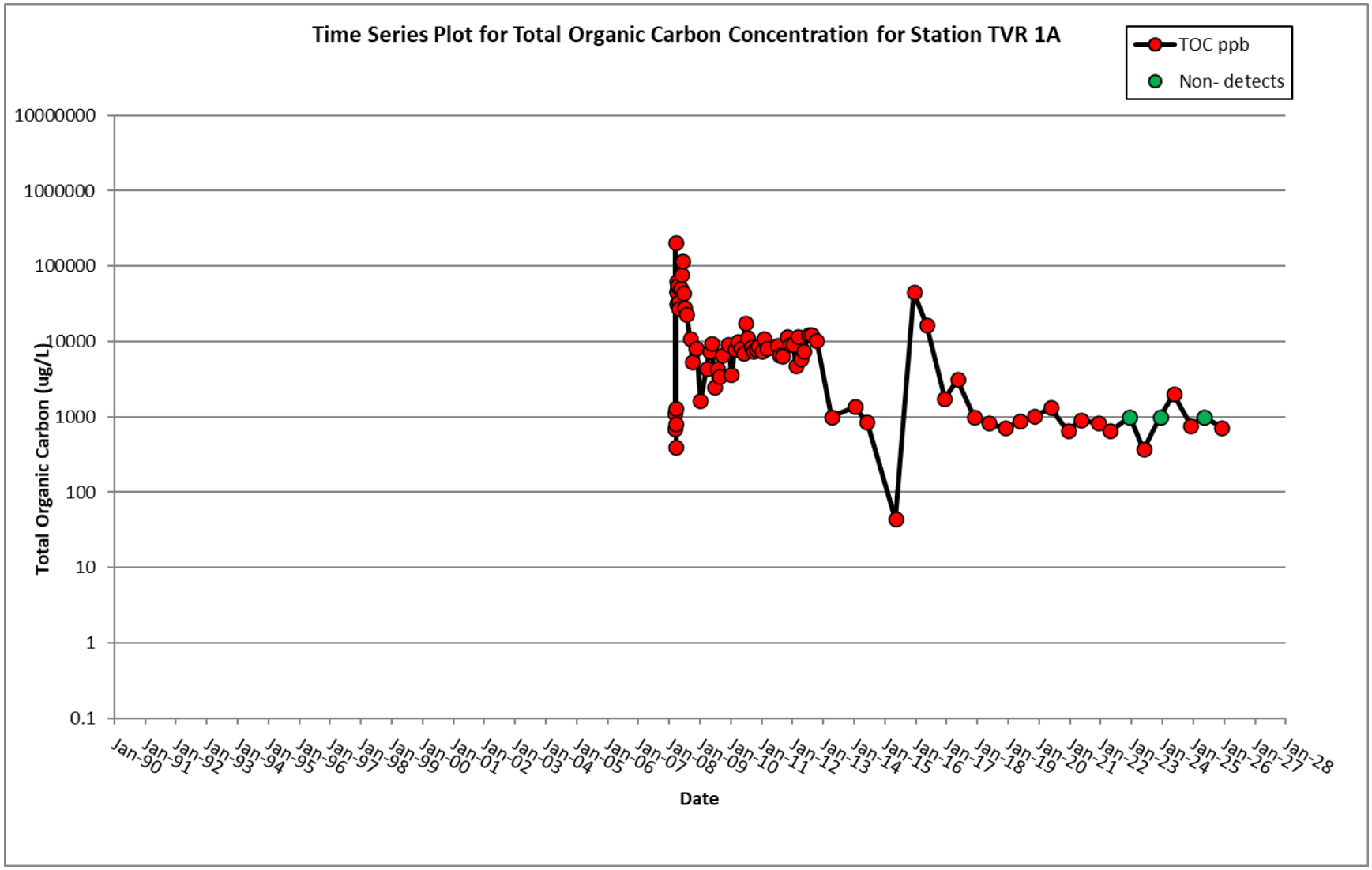
Jan-28
Date


Time Series Plot for Total Organic Carbon Concentration for Station TVR 1A
TOC ppb
Non- detects
Total Organic Carbon (ug/L)
10000000
1000000
100000
10000
1000
100
10
1
0.1
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
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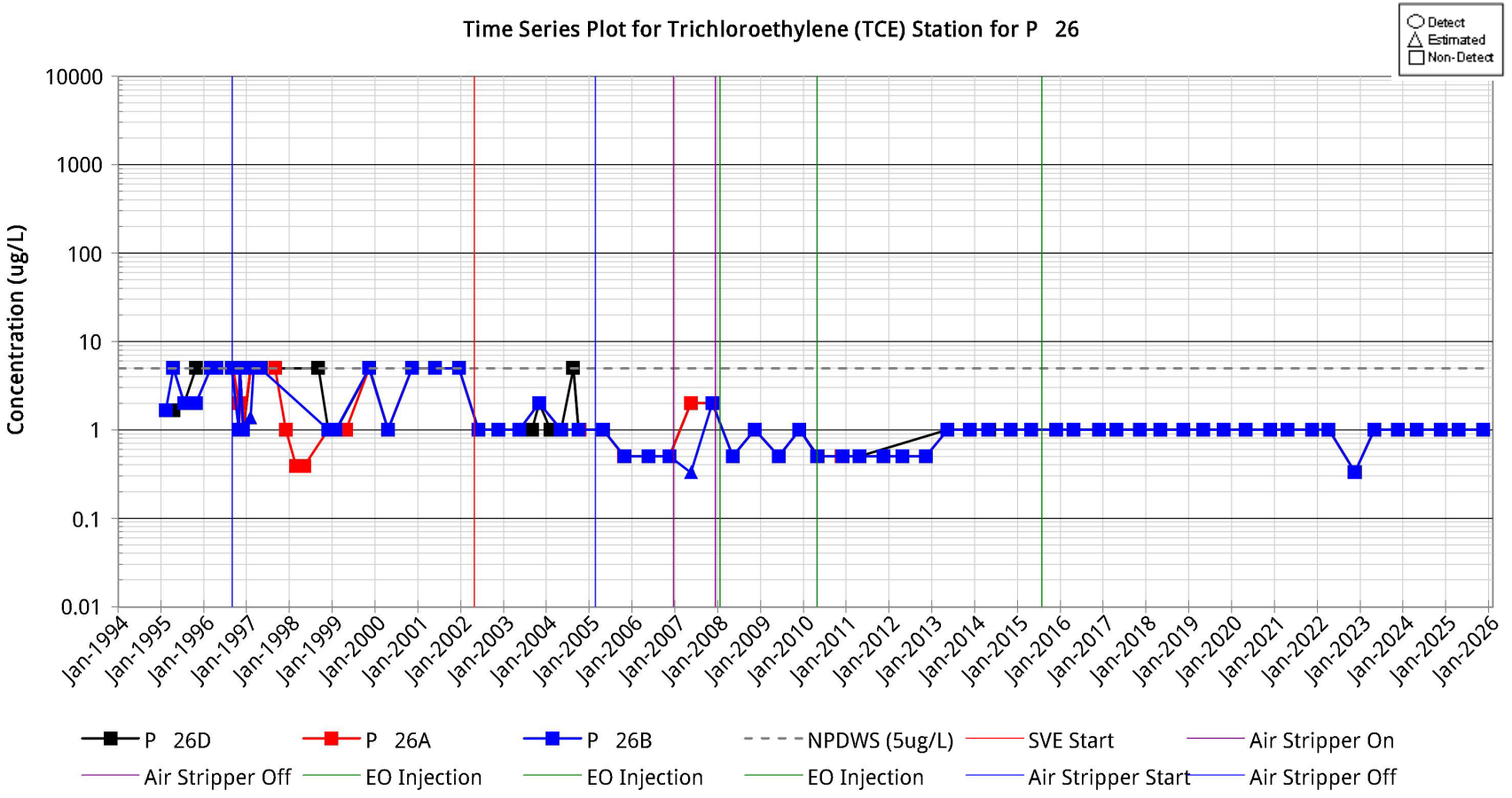
Jan-27
Jan-28
Date


Time Series Plot for Trichloroethylene (TCE) Station for P 26
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
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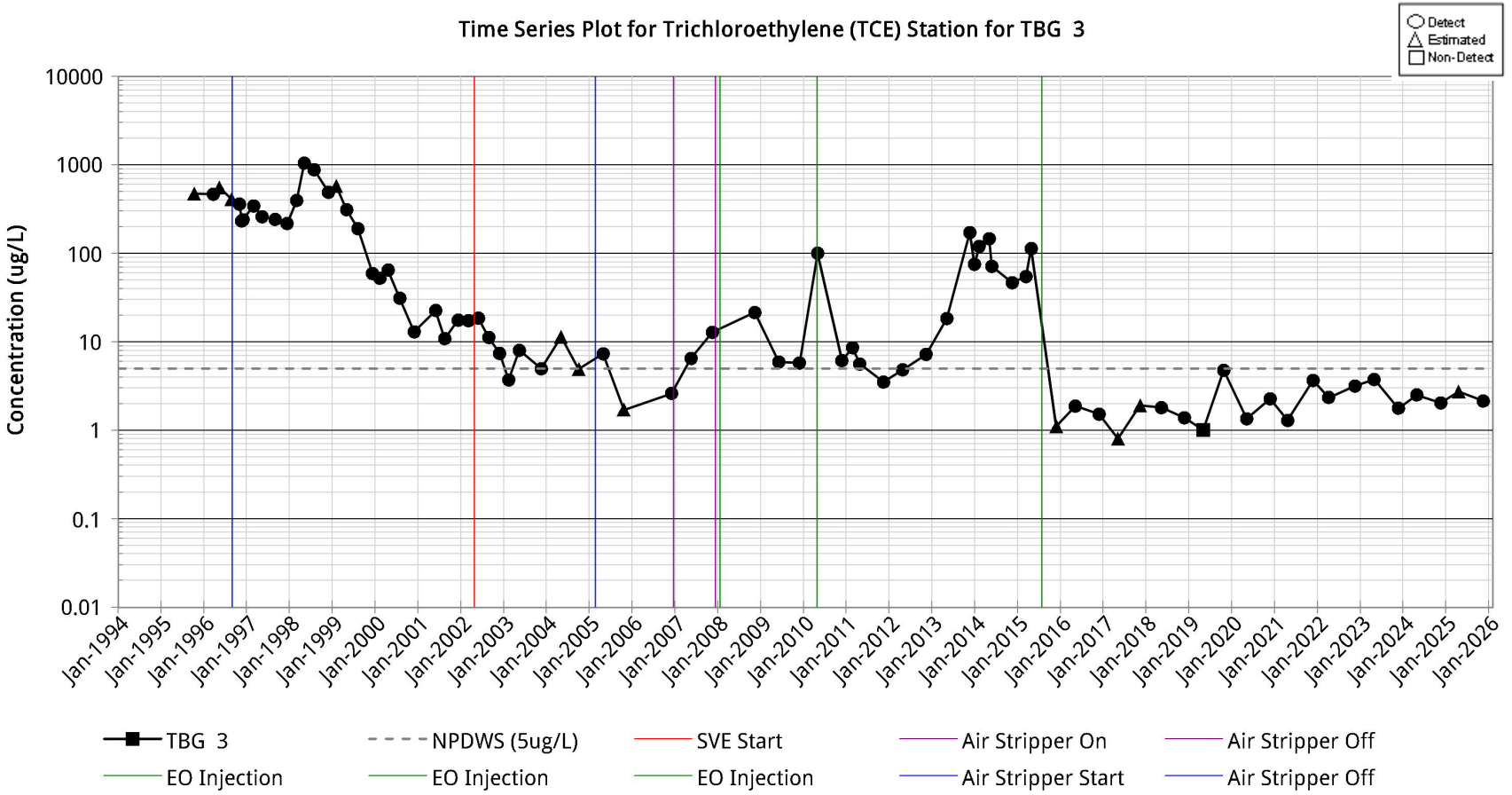
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
P 26D
P 26A
P 26B
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TBG 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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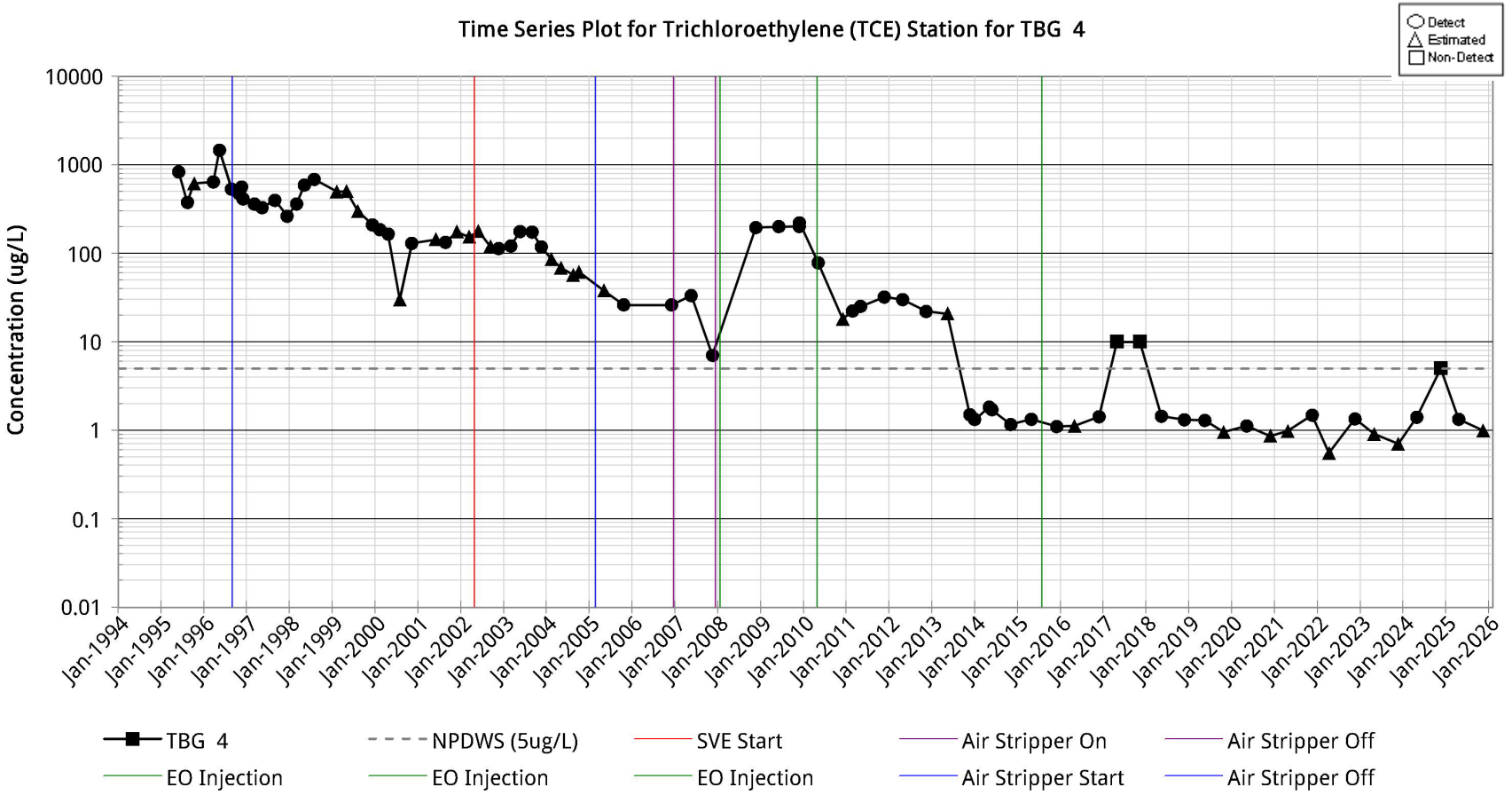
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 3
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TBG 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
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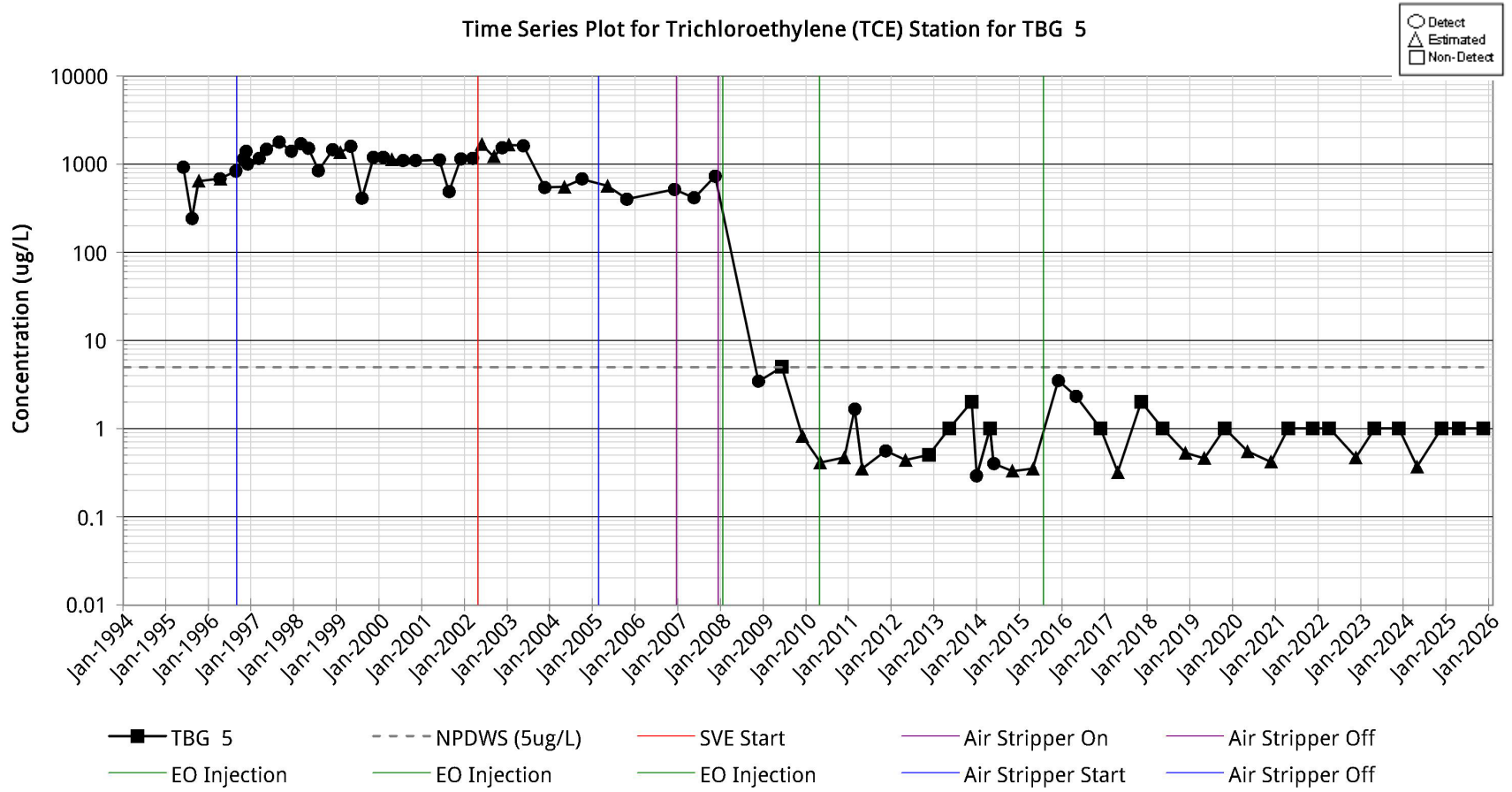
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 4
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TBG 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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Jan-2007
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Jan-2009
Jan-2010
Jan-2011
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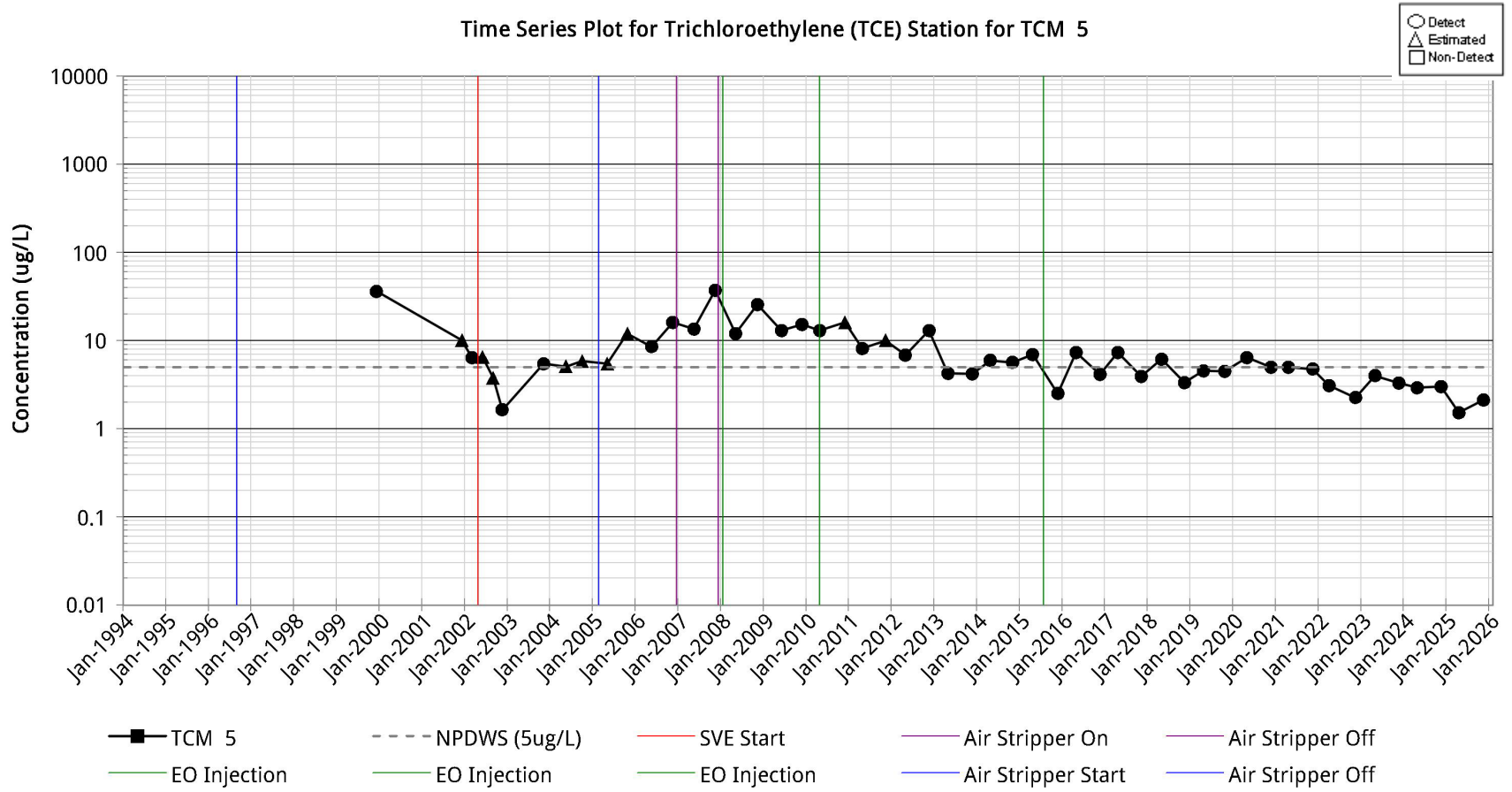
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 5
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TCM 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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Jan-2007
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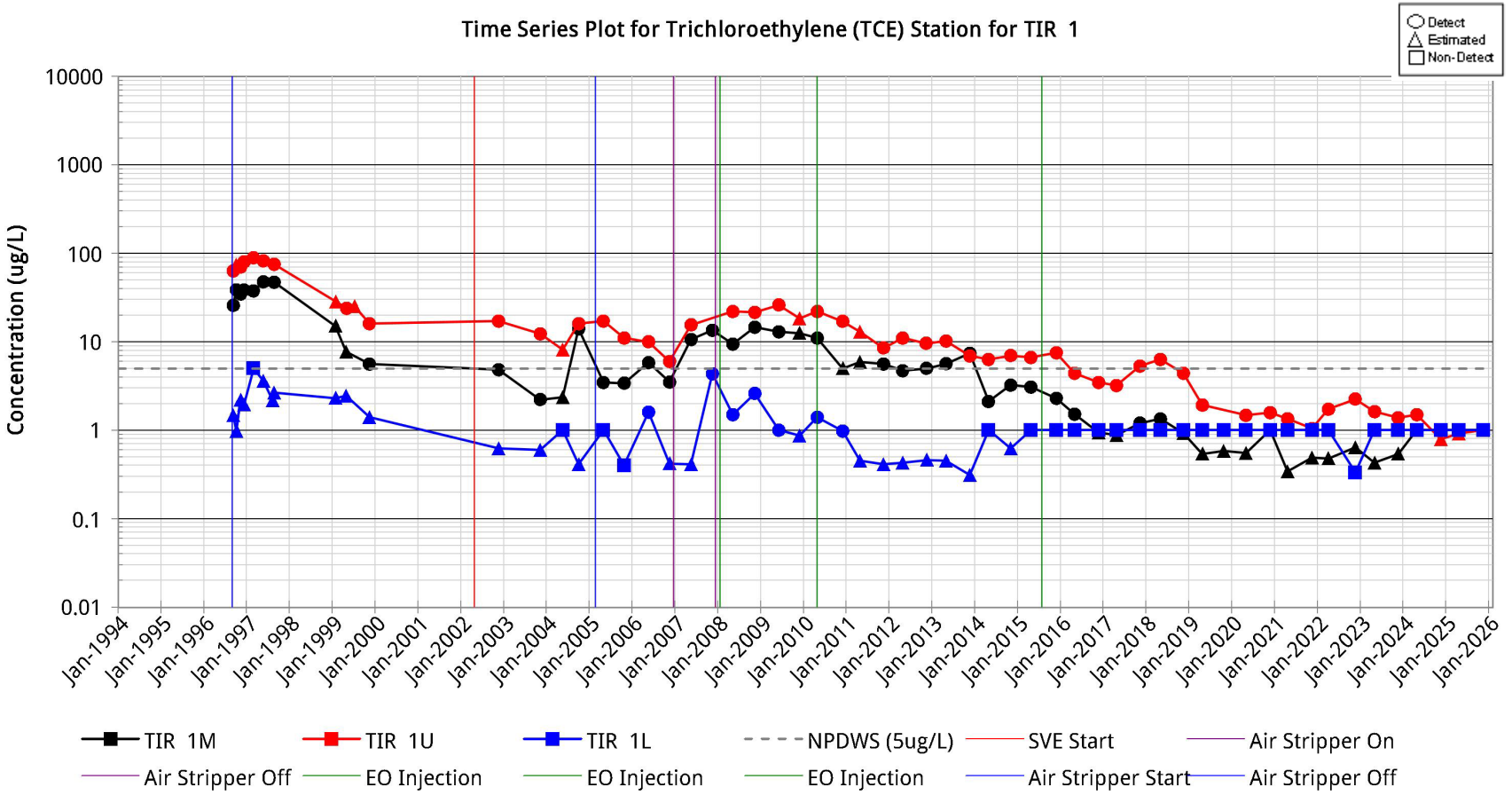
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TCM 5
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TIR 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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Jan-2004
Jan-2005
Jan-2006
Jan-2007
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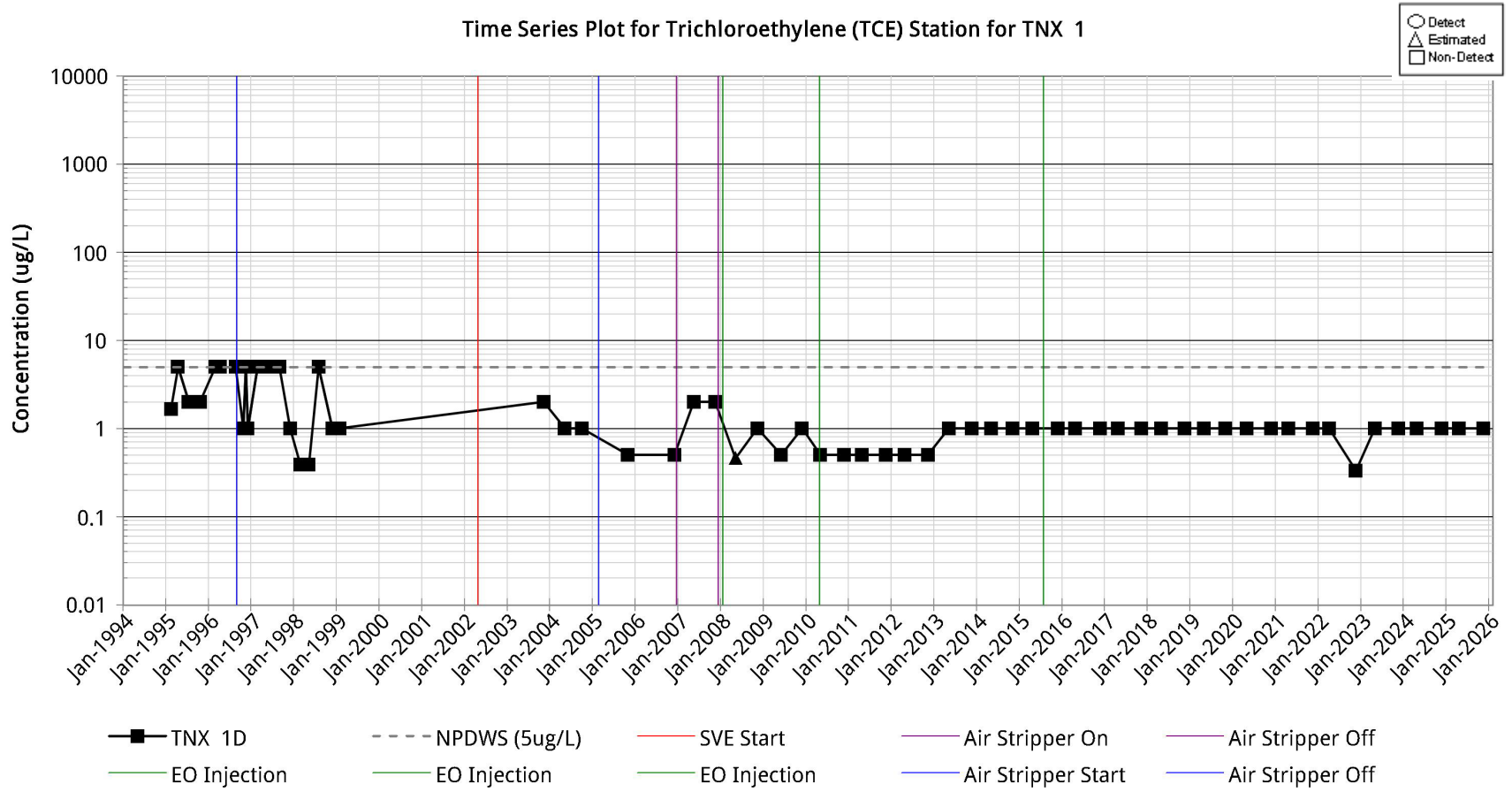
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TIR 1M
TIR 1U
TIR 1L
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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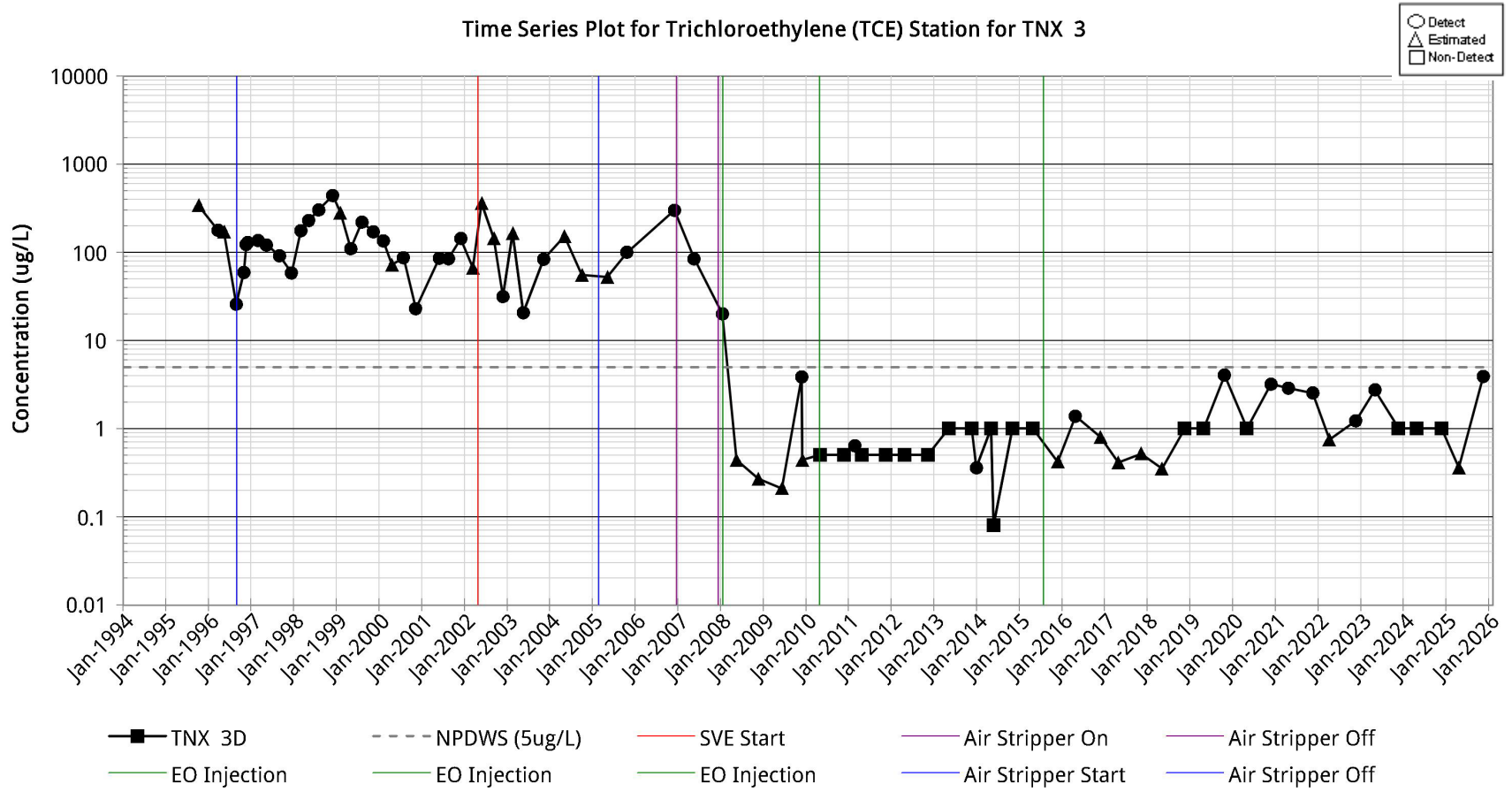
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 1D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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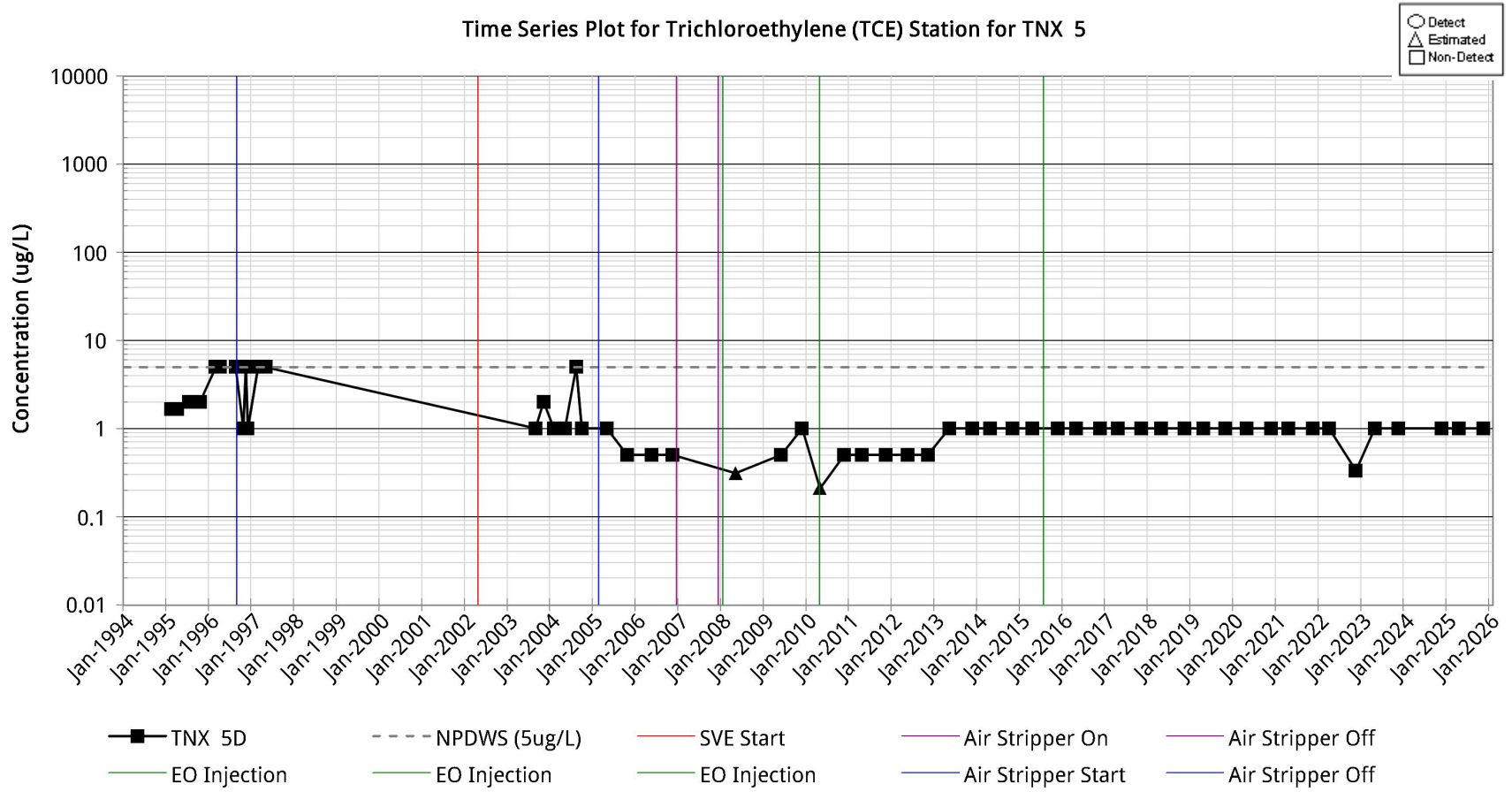
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 3D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
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Jan-2007
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Jan-2016
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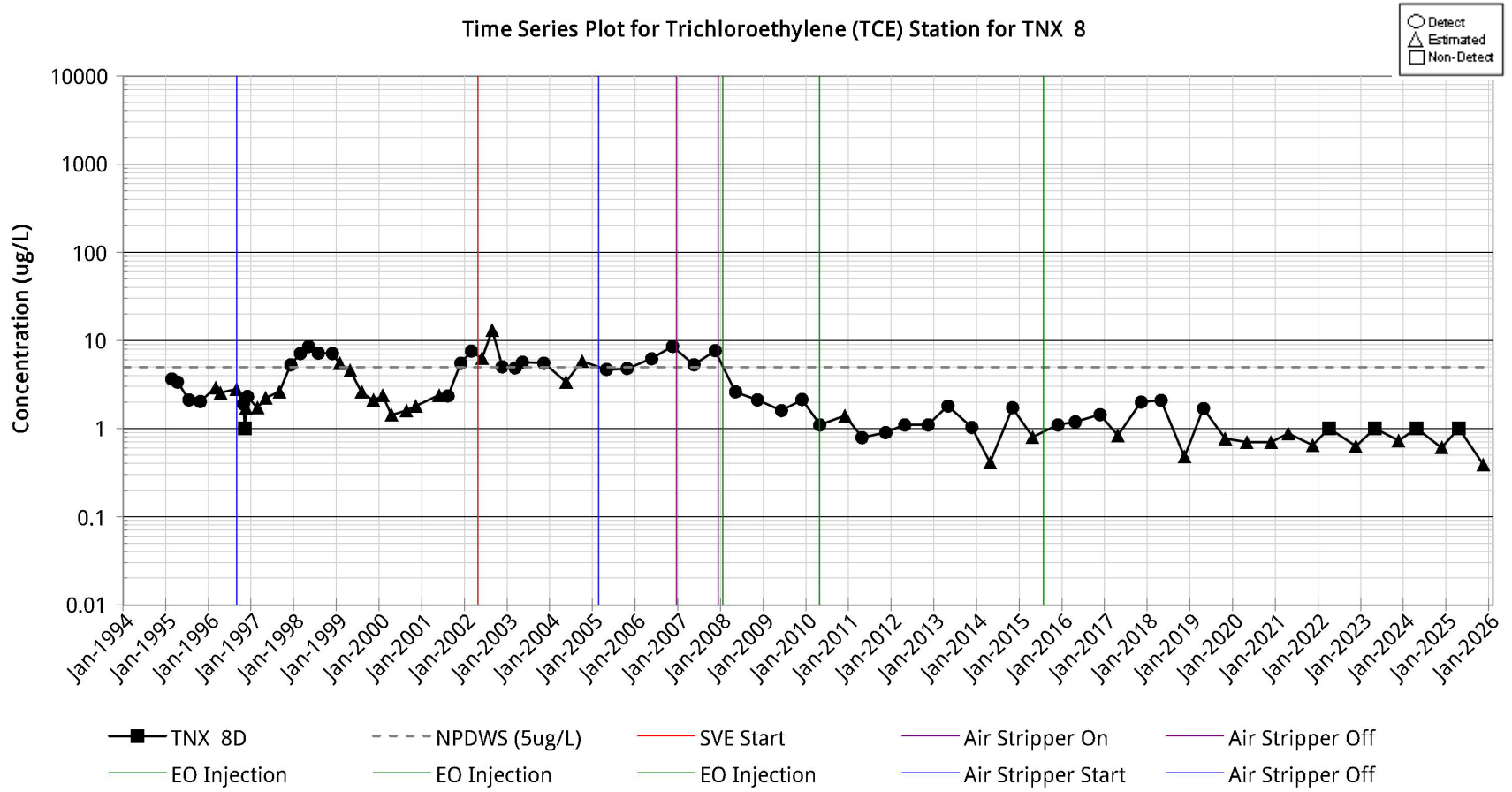
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 5D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 8
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
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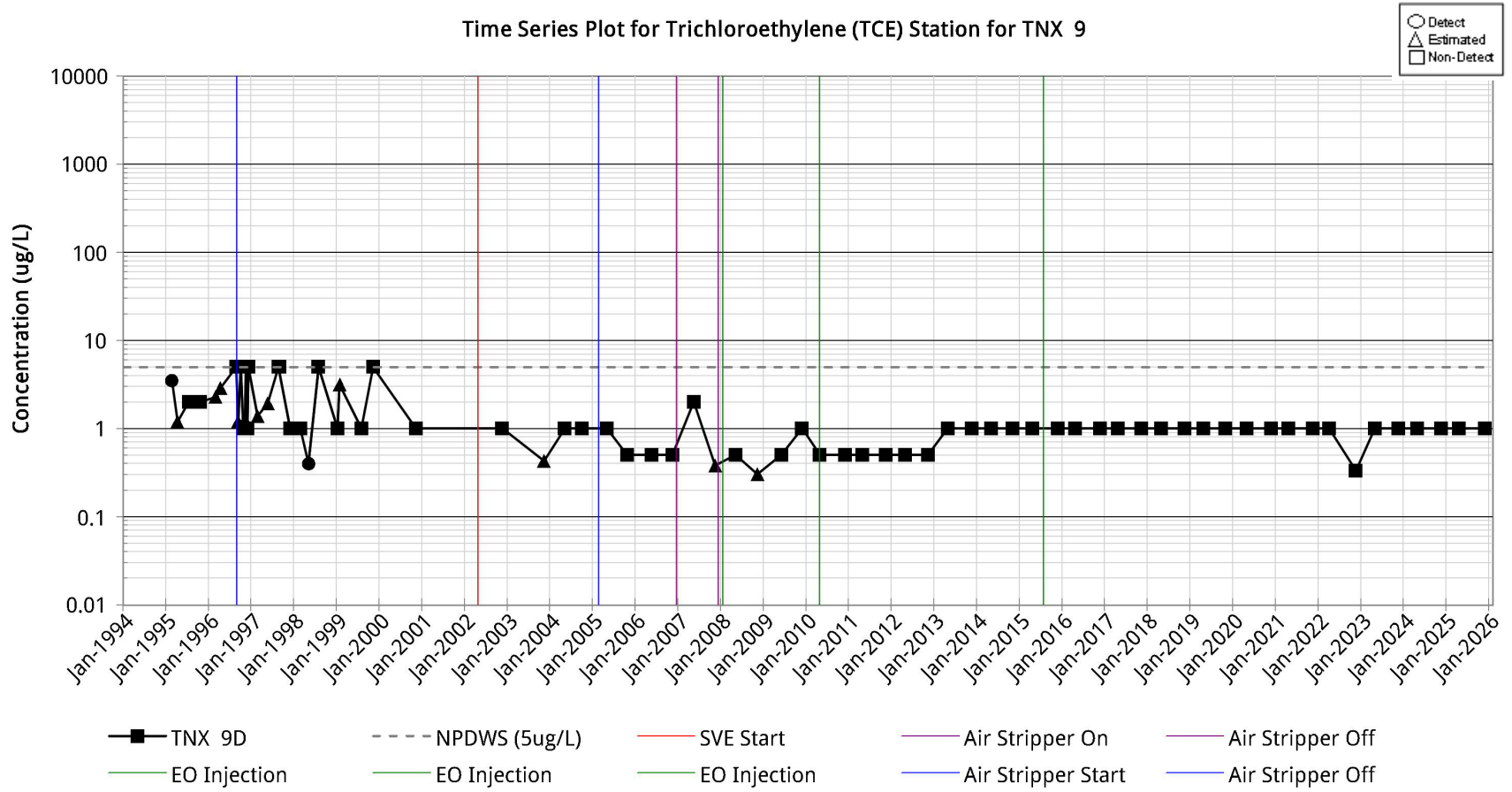
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 8D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 9
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
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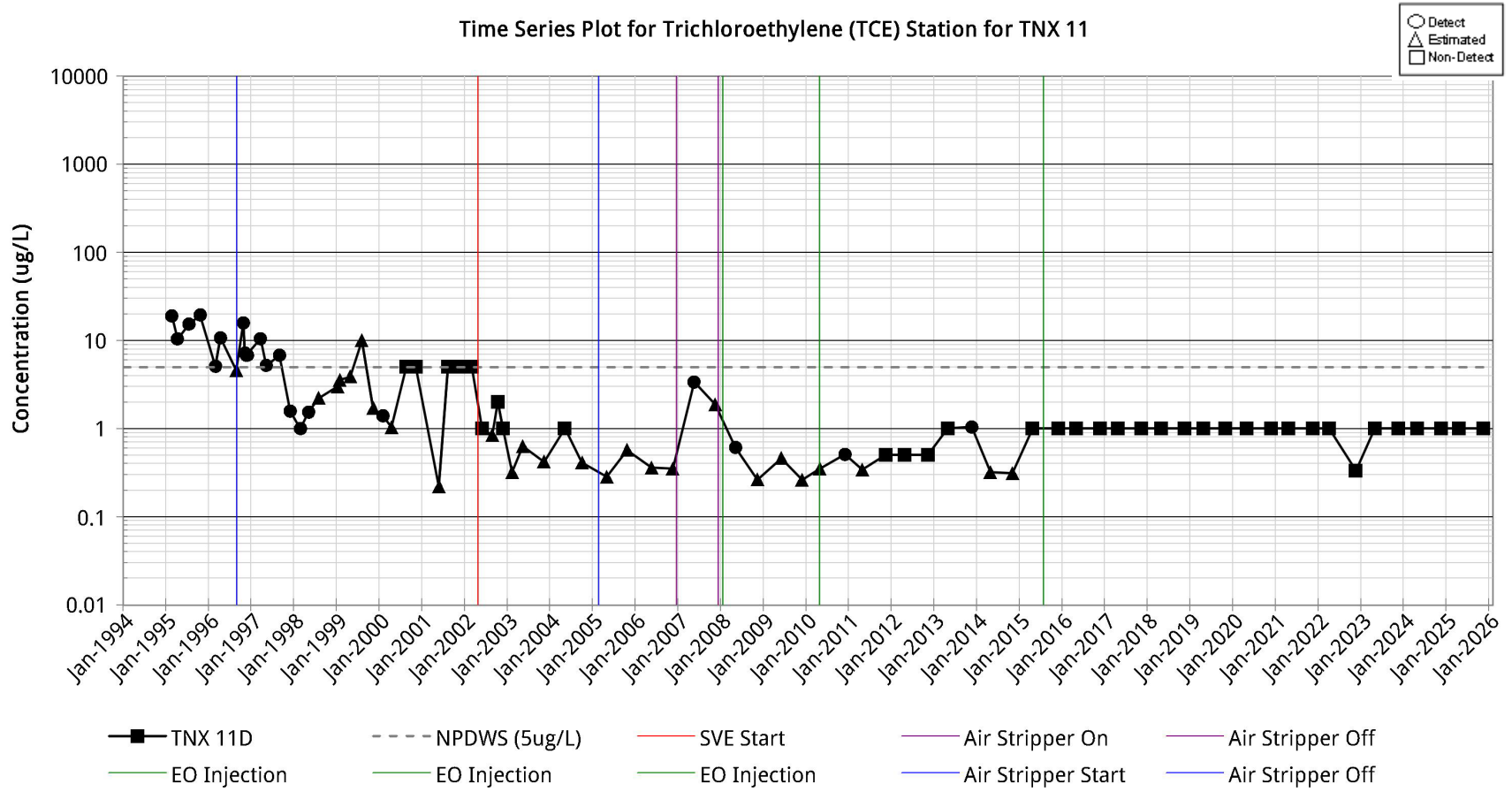
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 9D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 11
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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Jan-2002
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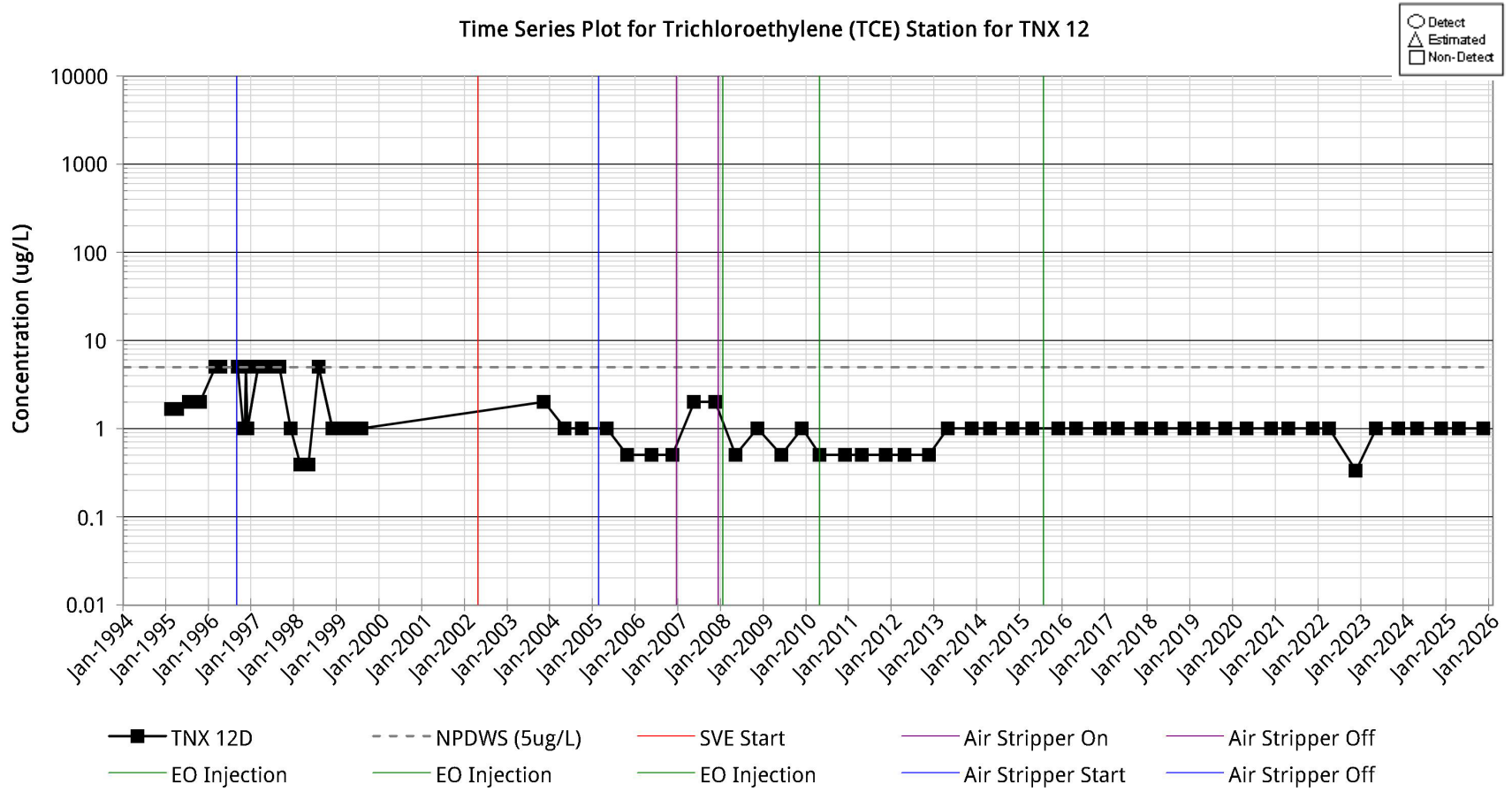
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 11D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 12
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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Jan-2002
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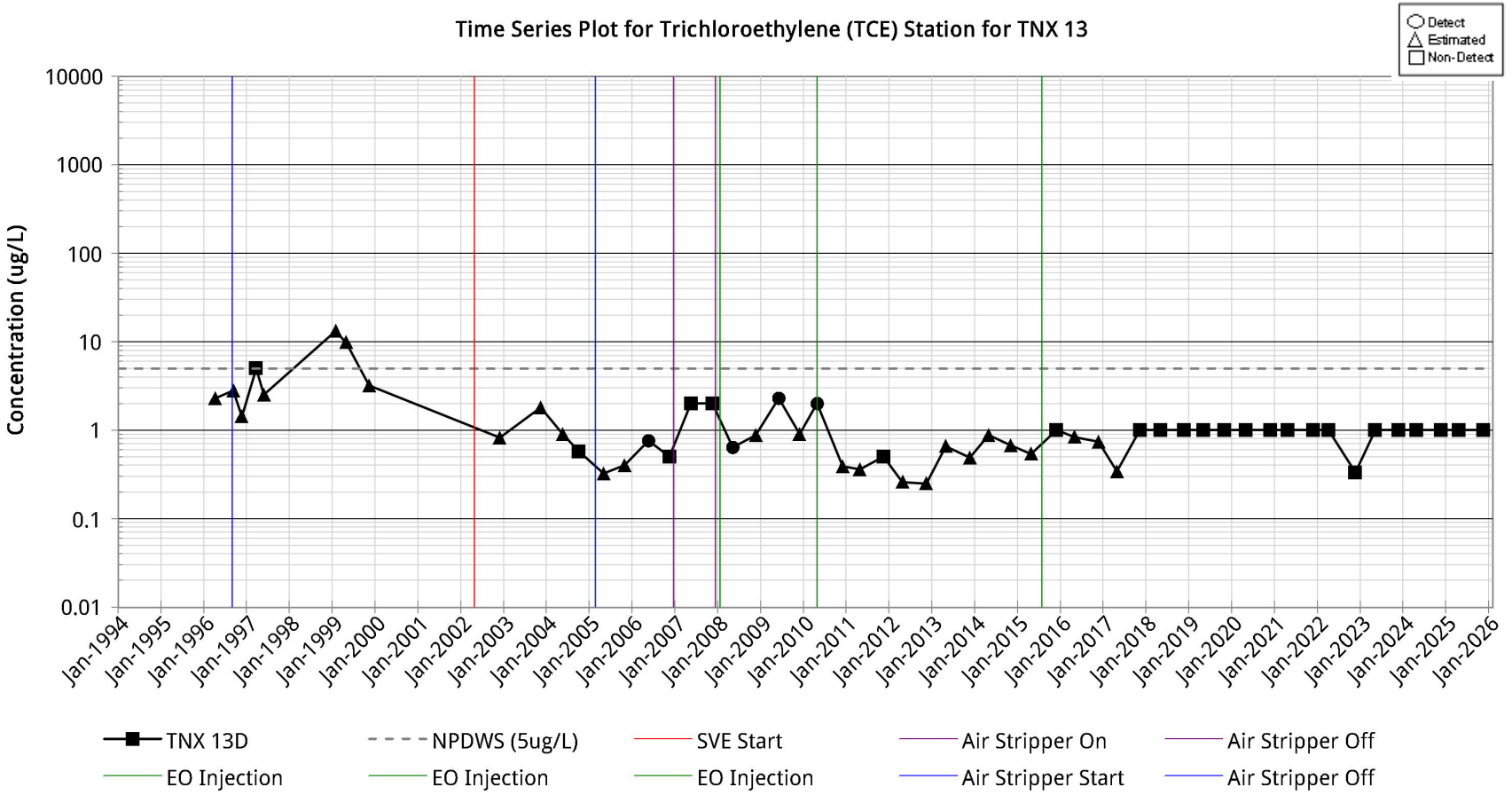
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 12D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 13
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
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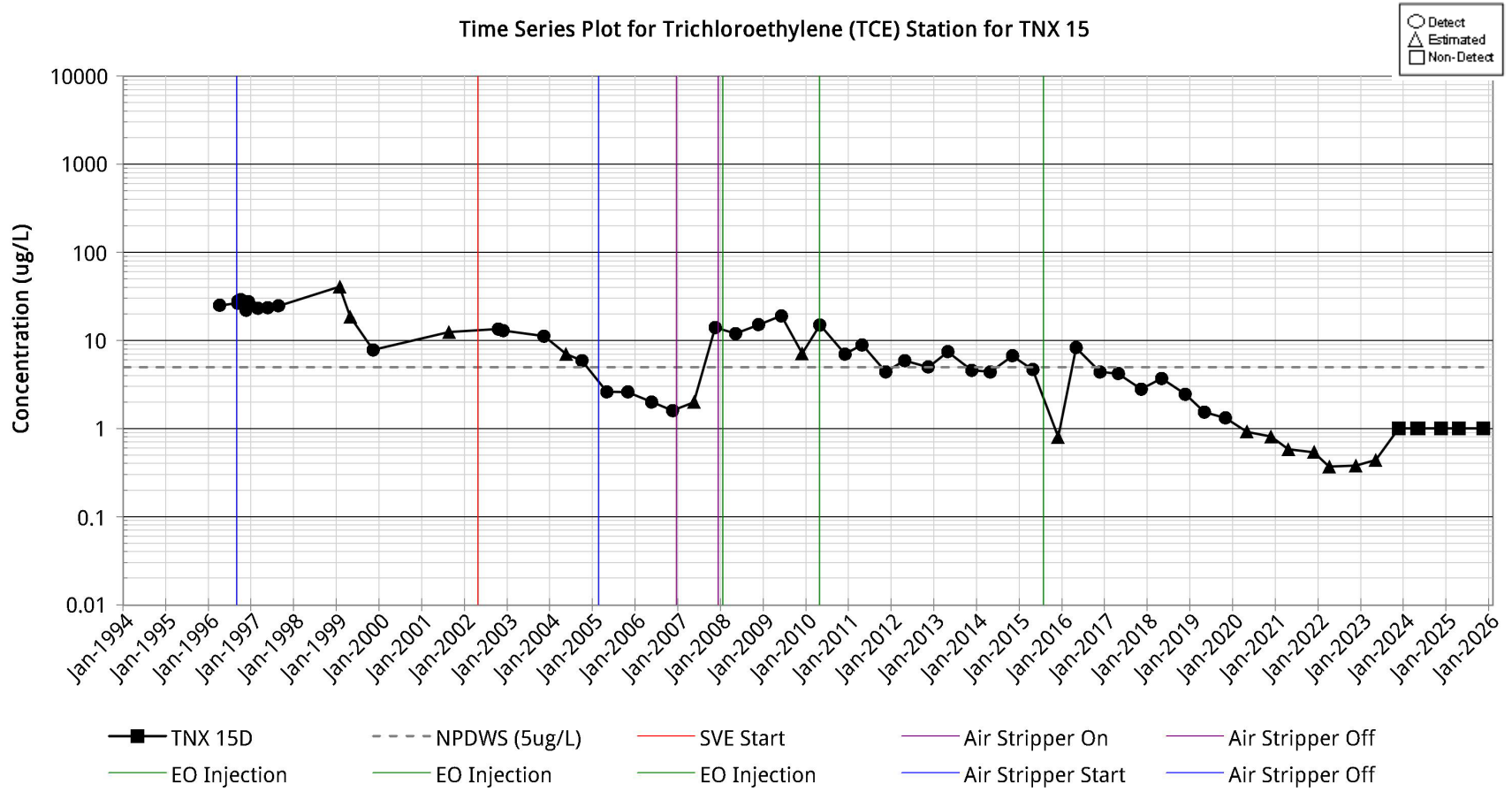
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 13D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 15
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
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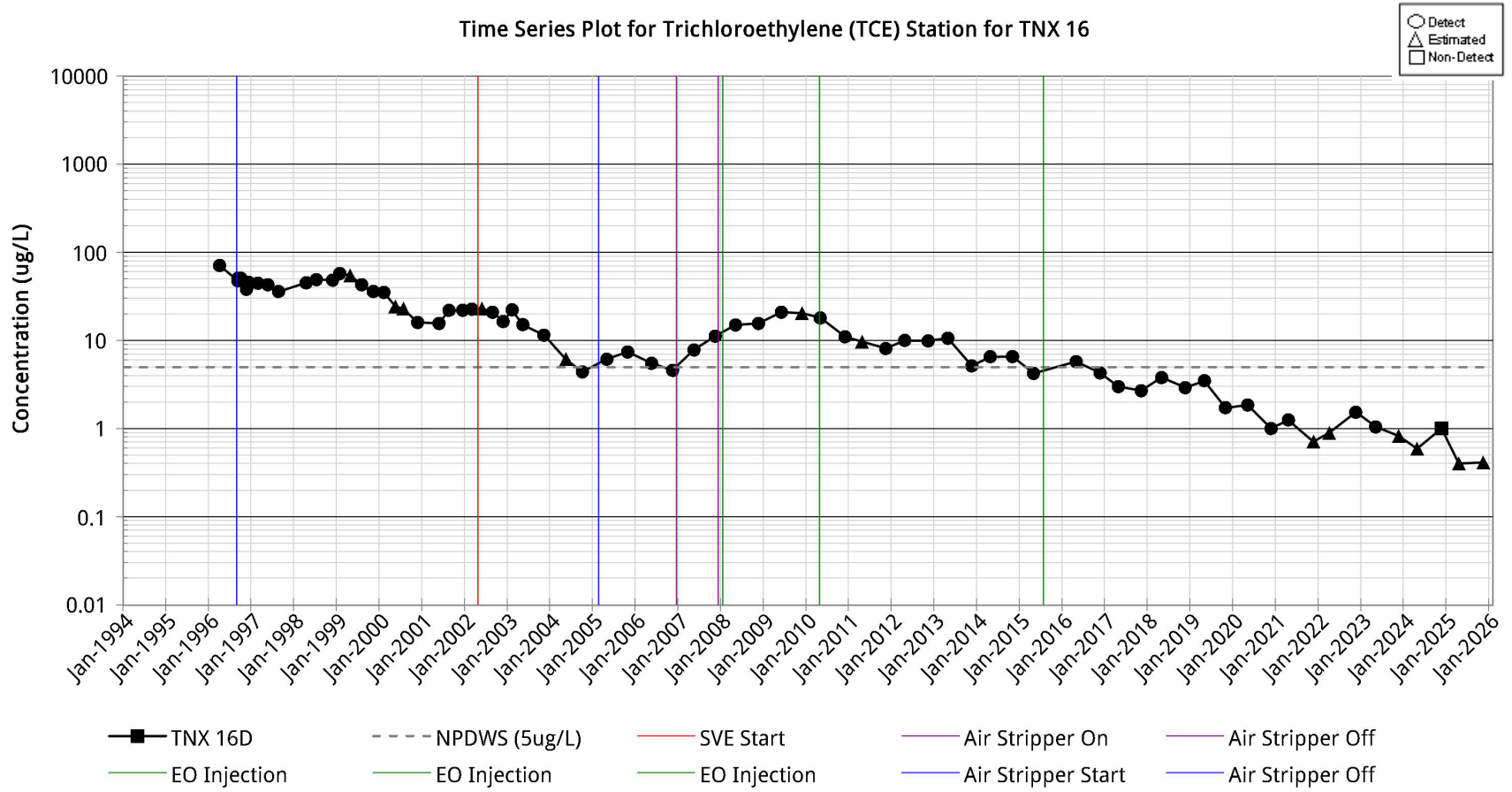
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 15D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 16
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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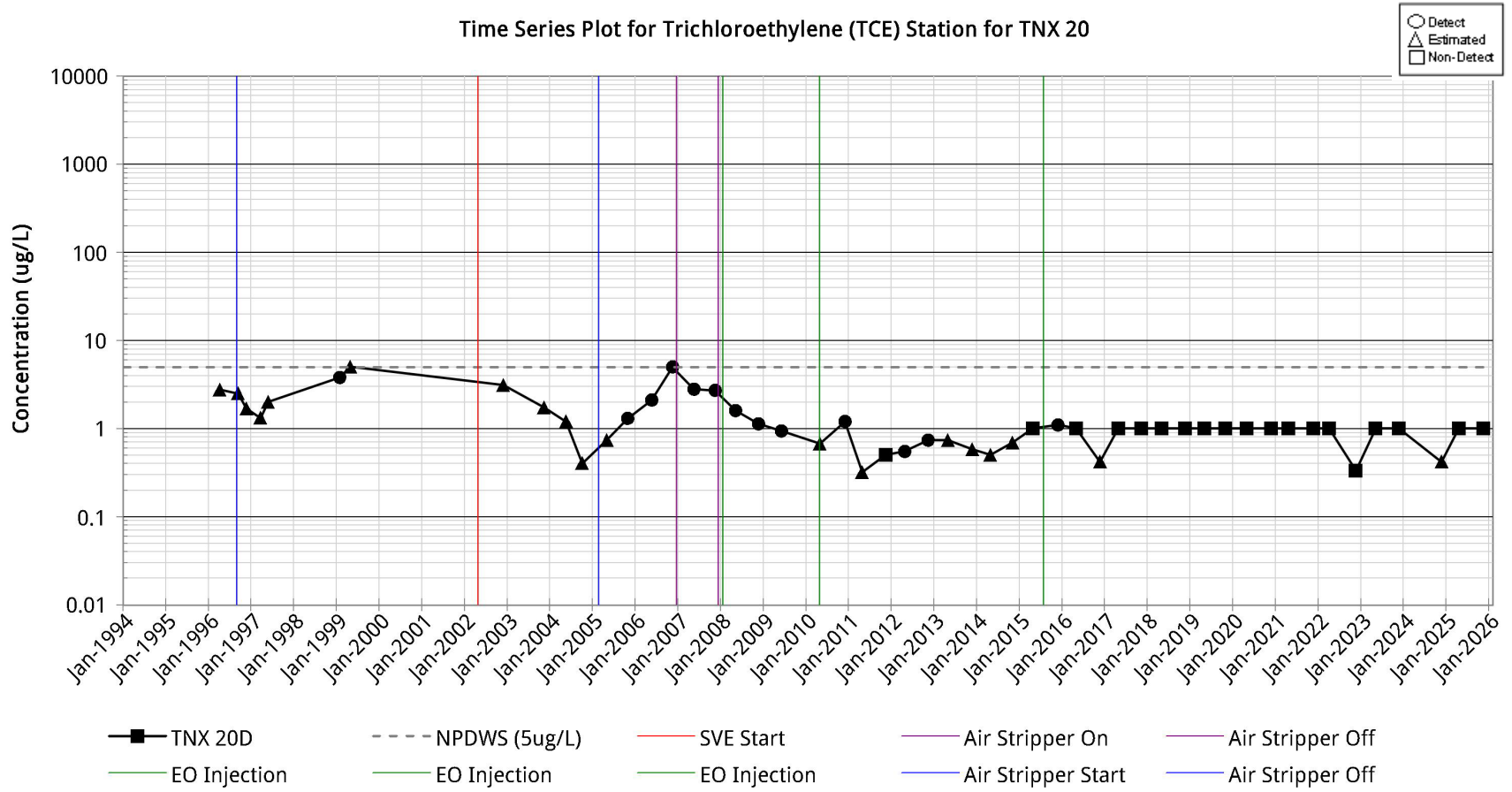
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 16D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 20
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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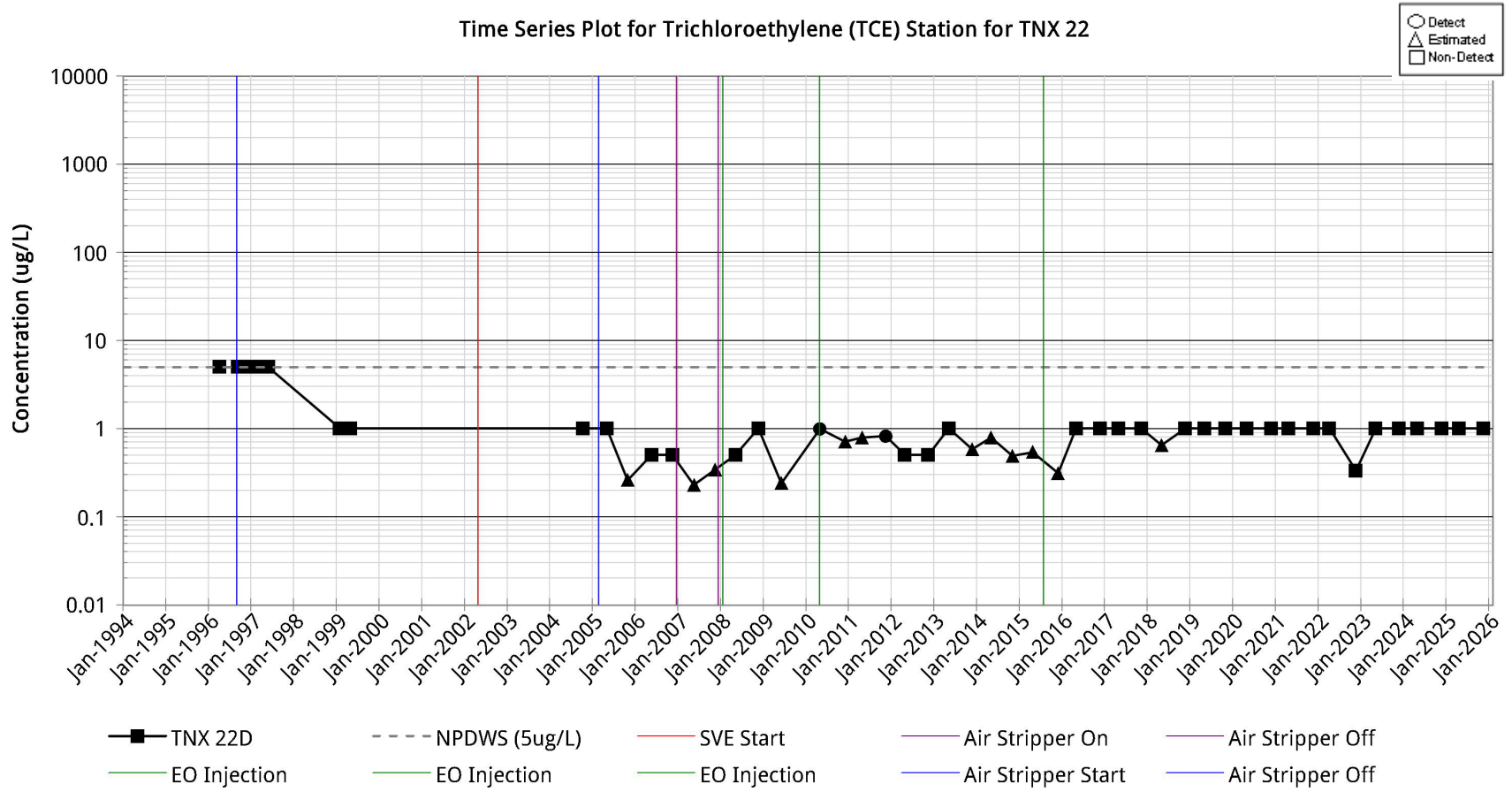
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 20D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 22
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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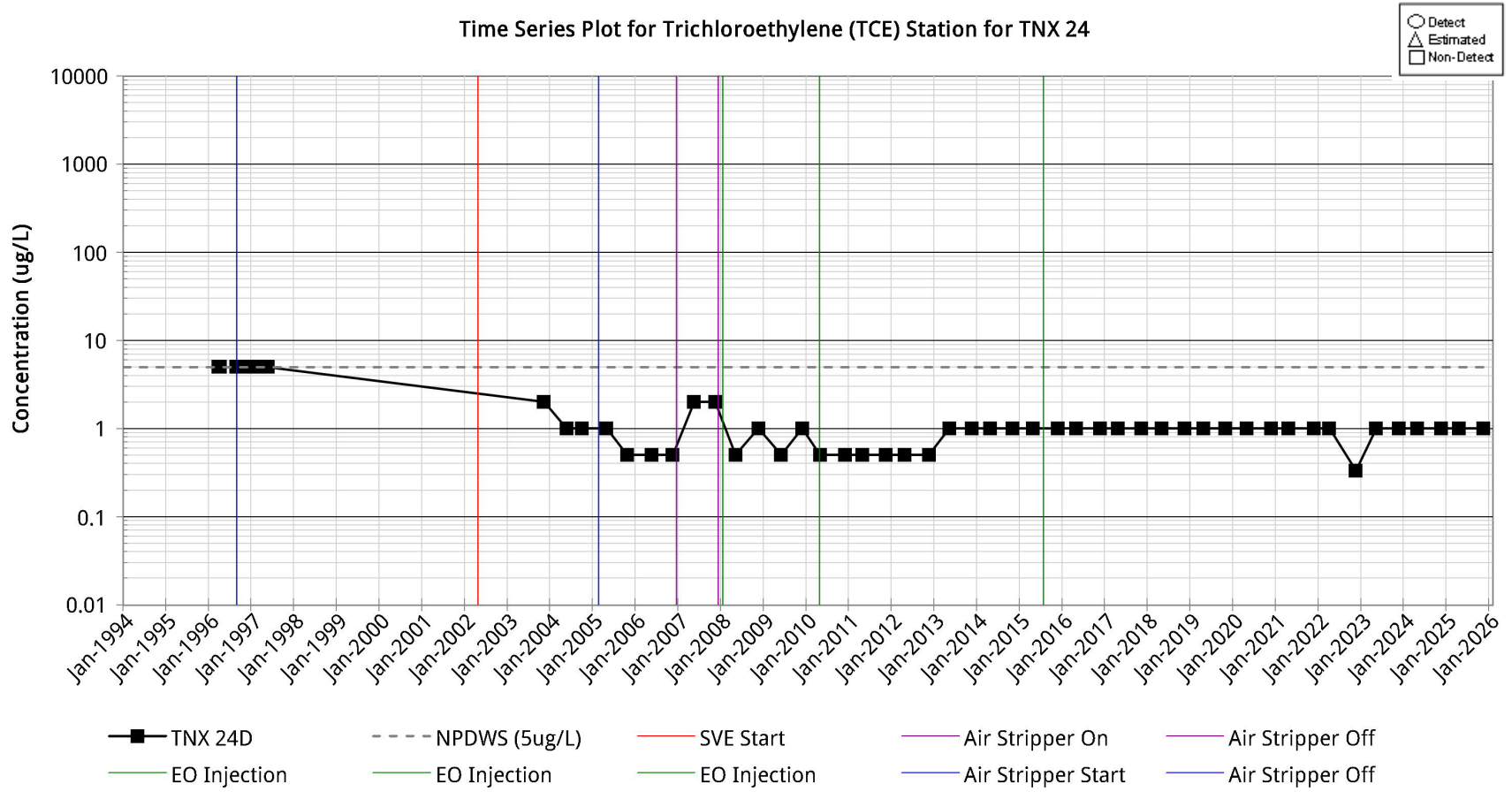
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 22D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 24
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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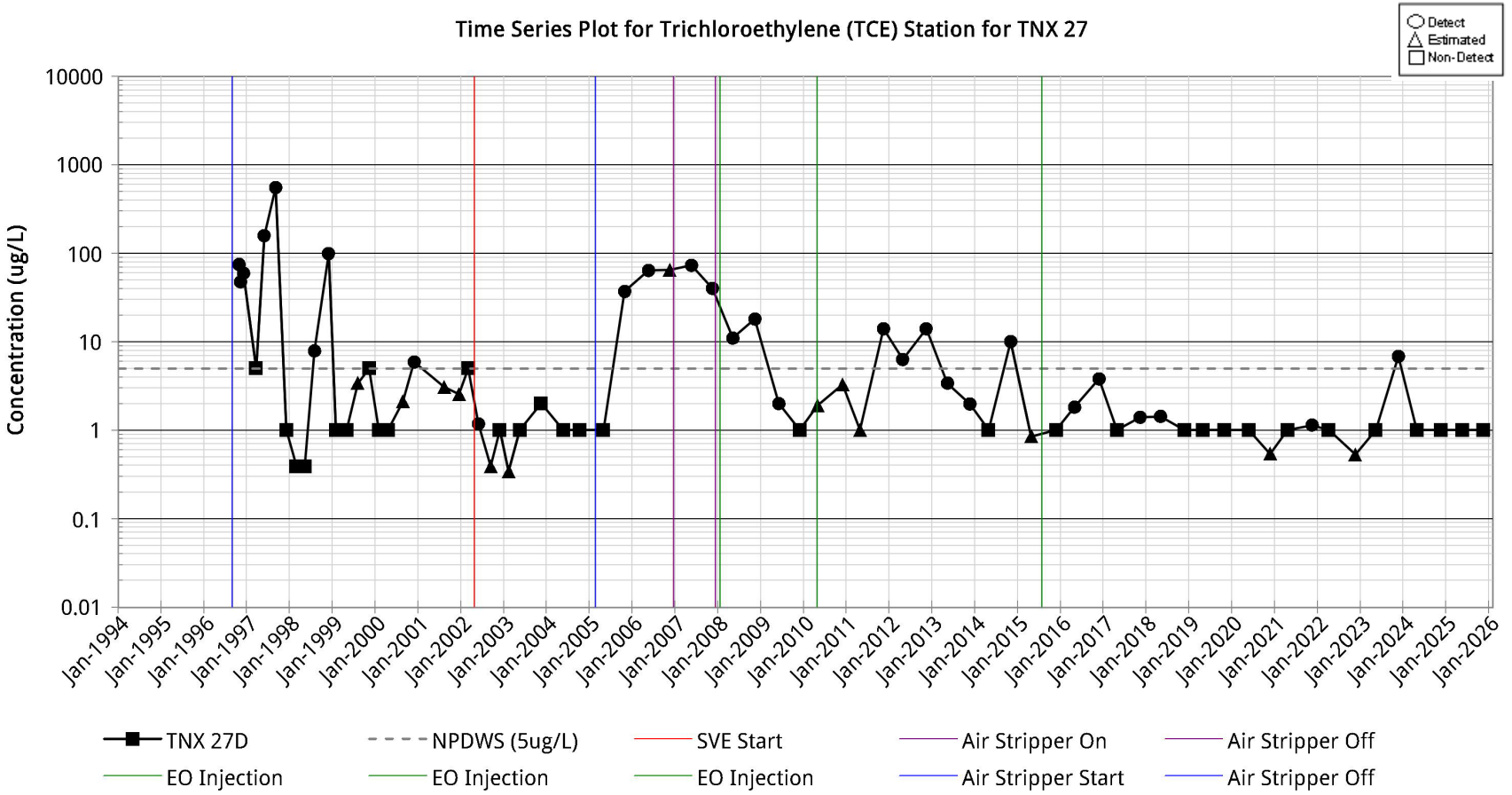
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 24D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 27
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
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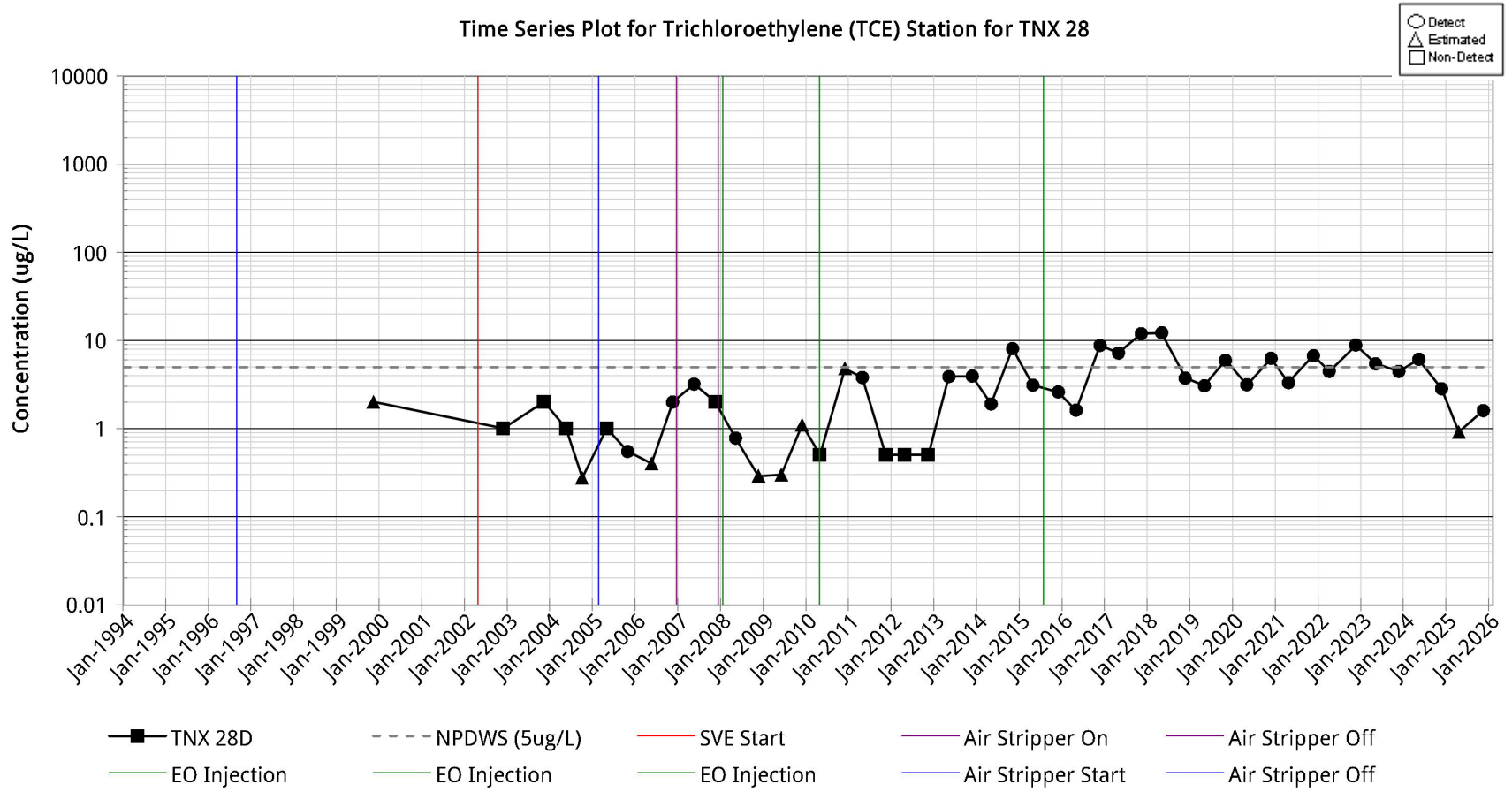
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 27D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 28
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
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Jan-1997
Jan-1998
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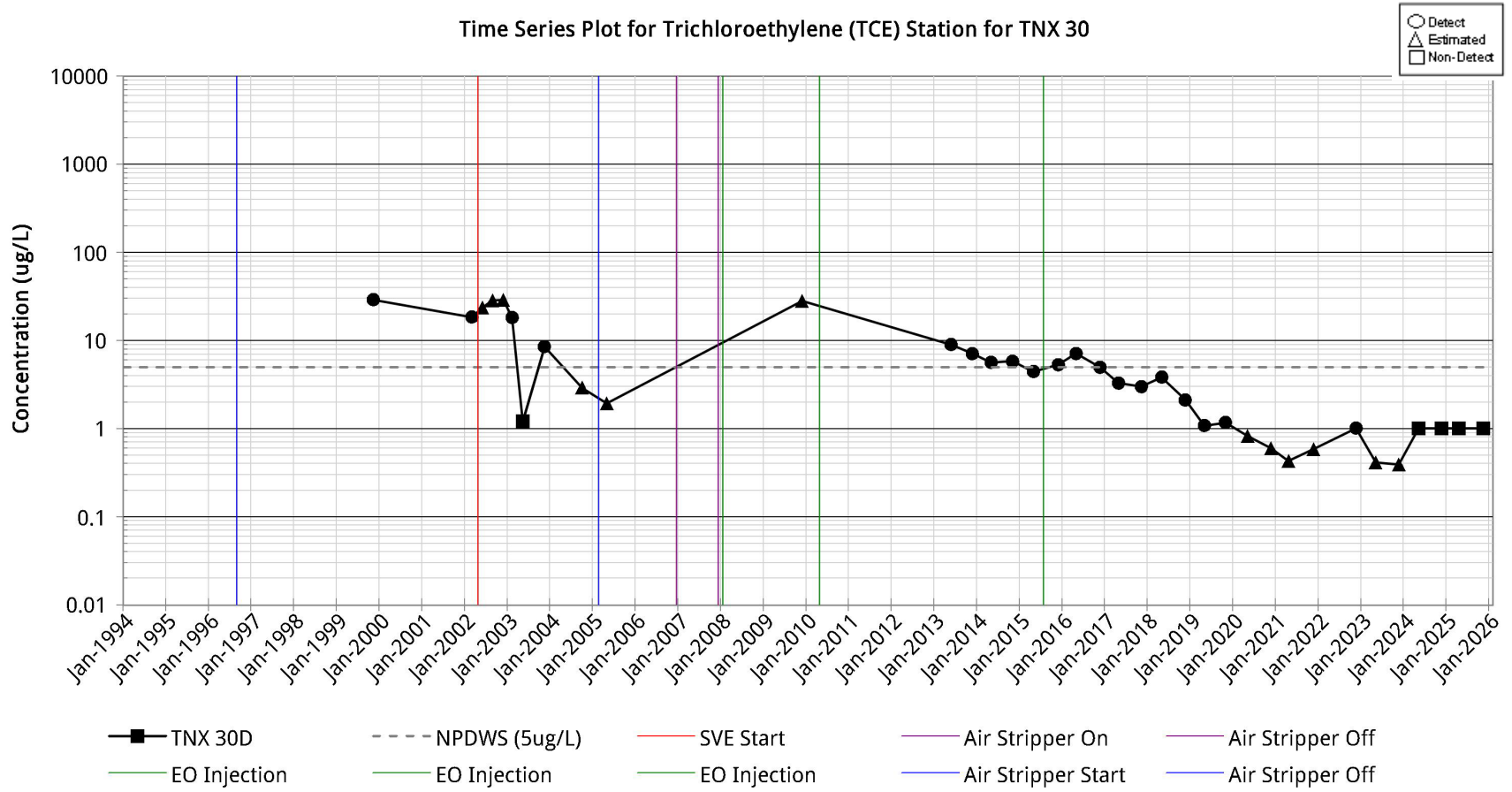
Jan-2024
Jan-2025
Jan-2026
TNX 28D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 30
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
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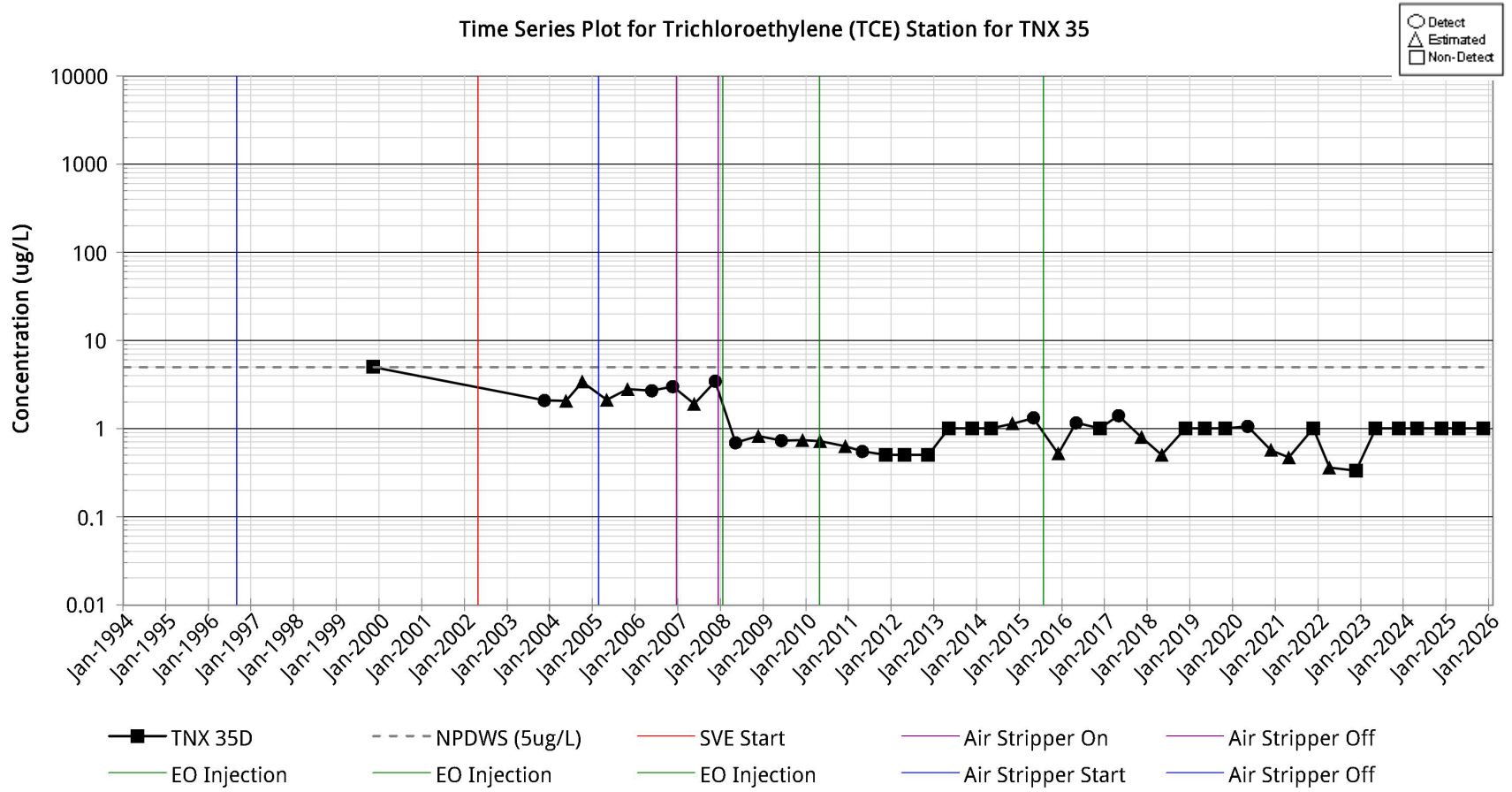
Jan-2025
Jan-2026
TNX 30D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 35
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
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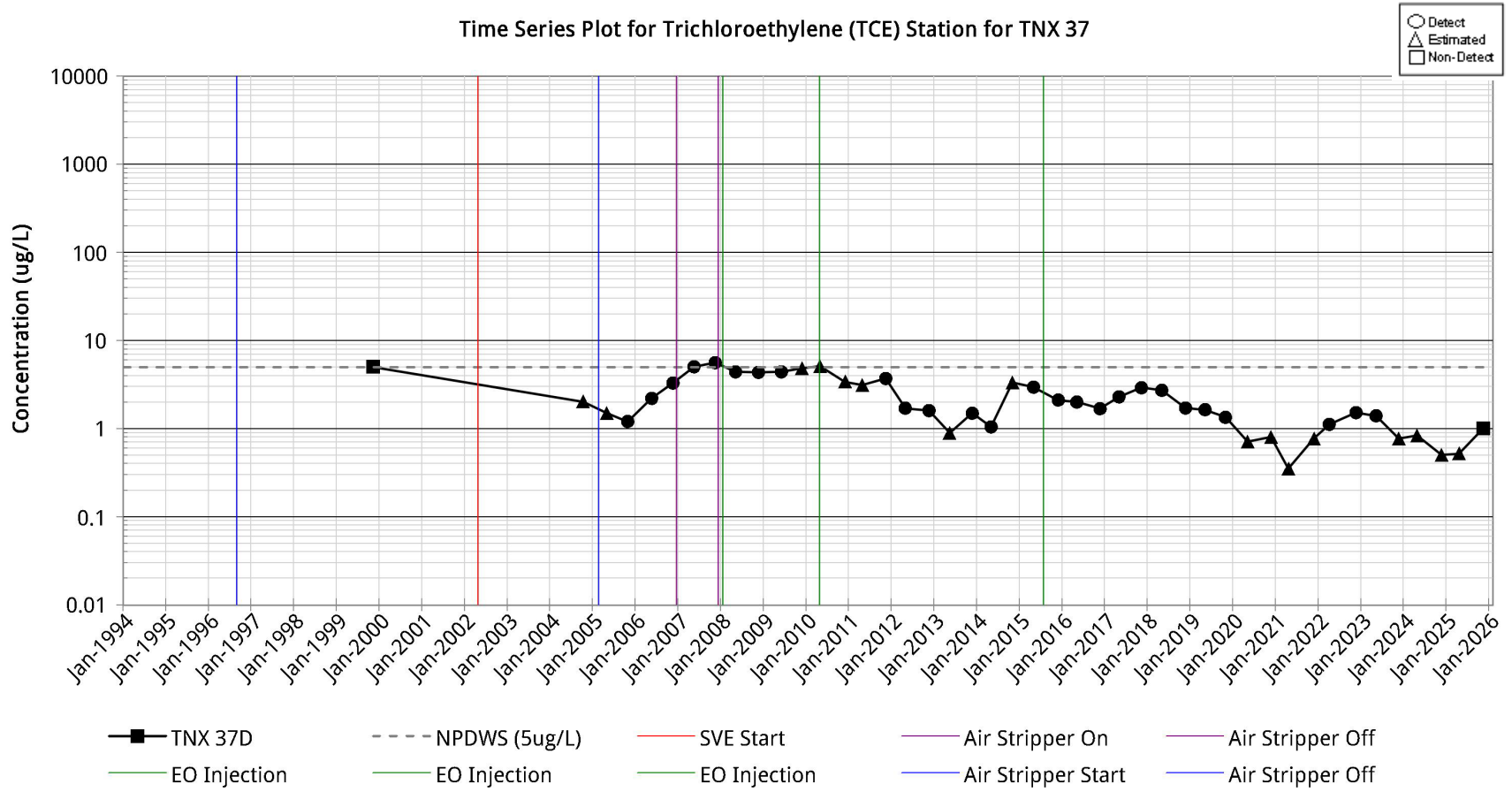
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 35D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 37
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
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Jan-2020
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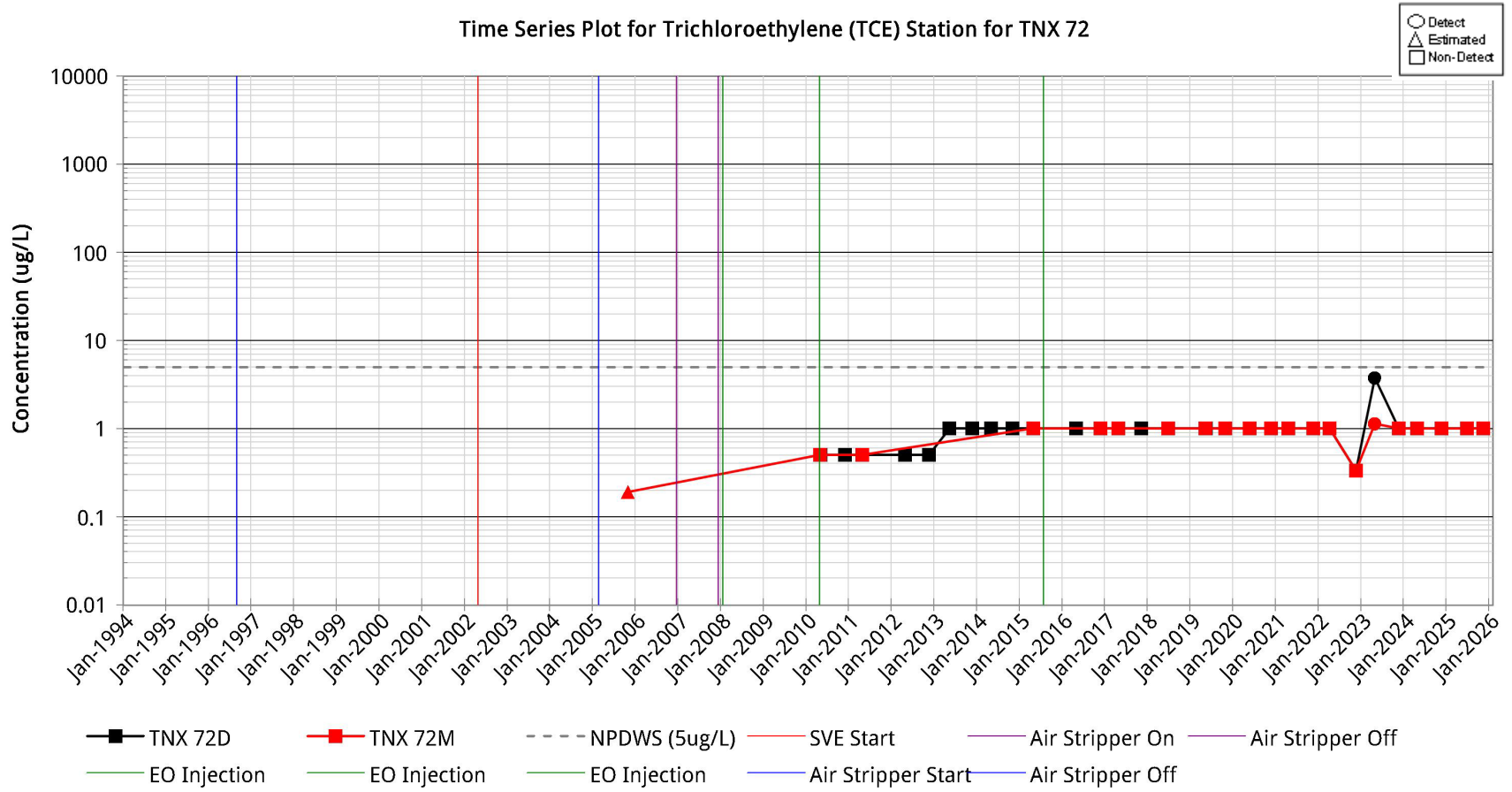
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 37D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX 72
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
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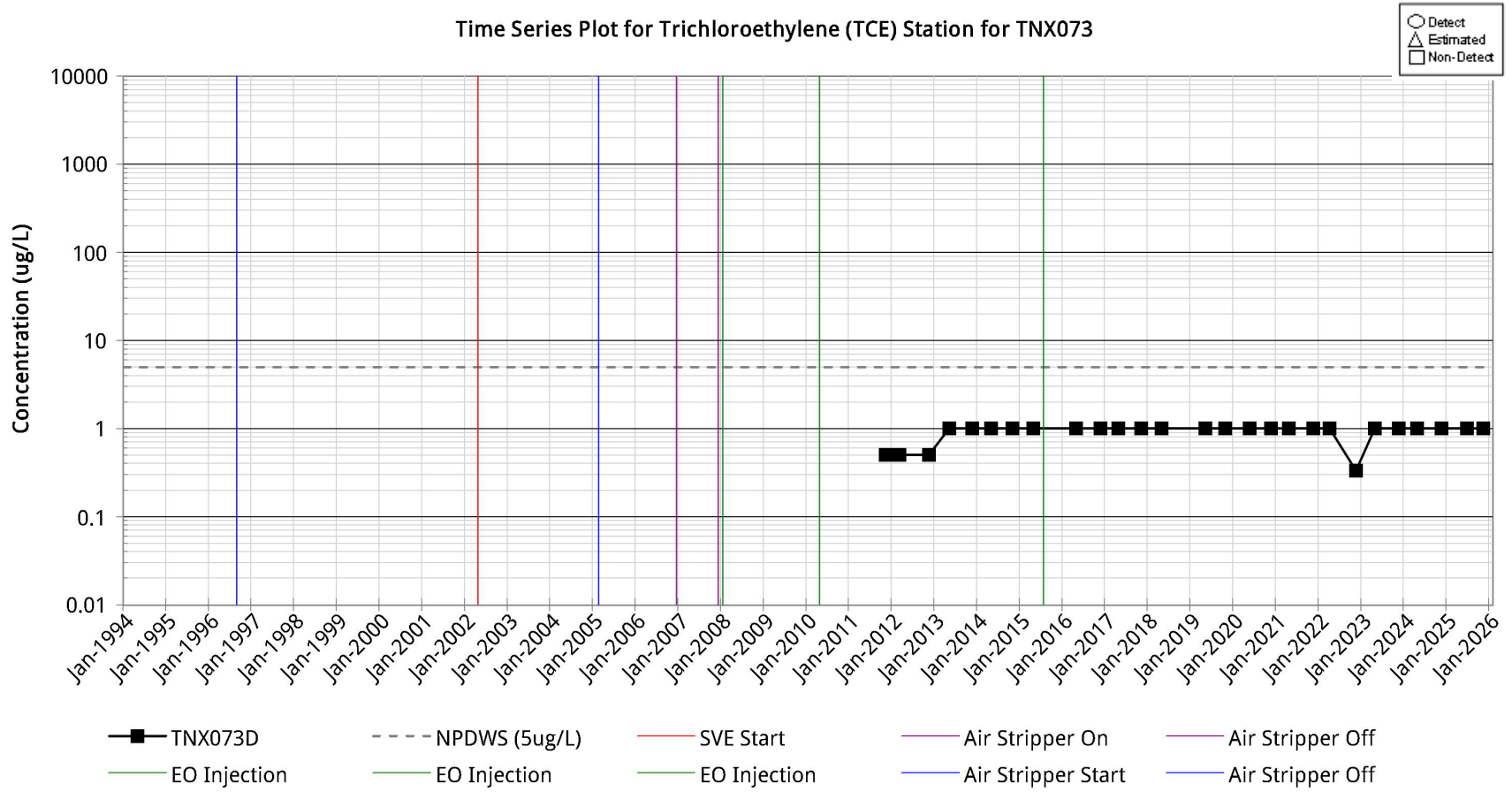
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 72D
TNX 72M
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX073
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
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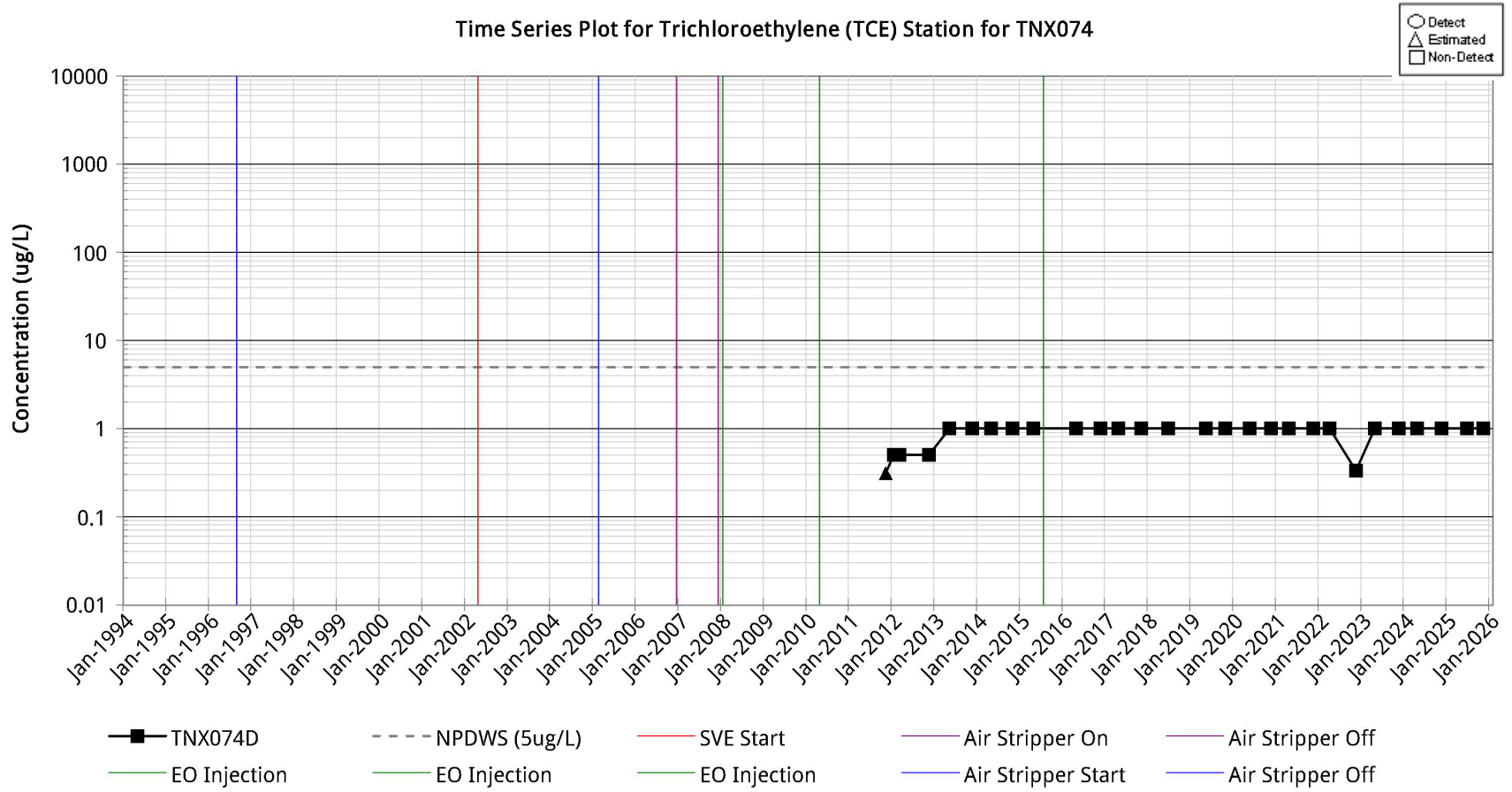
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX073D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX074
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
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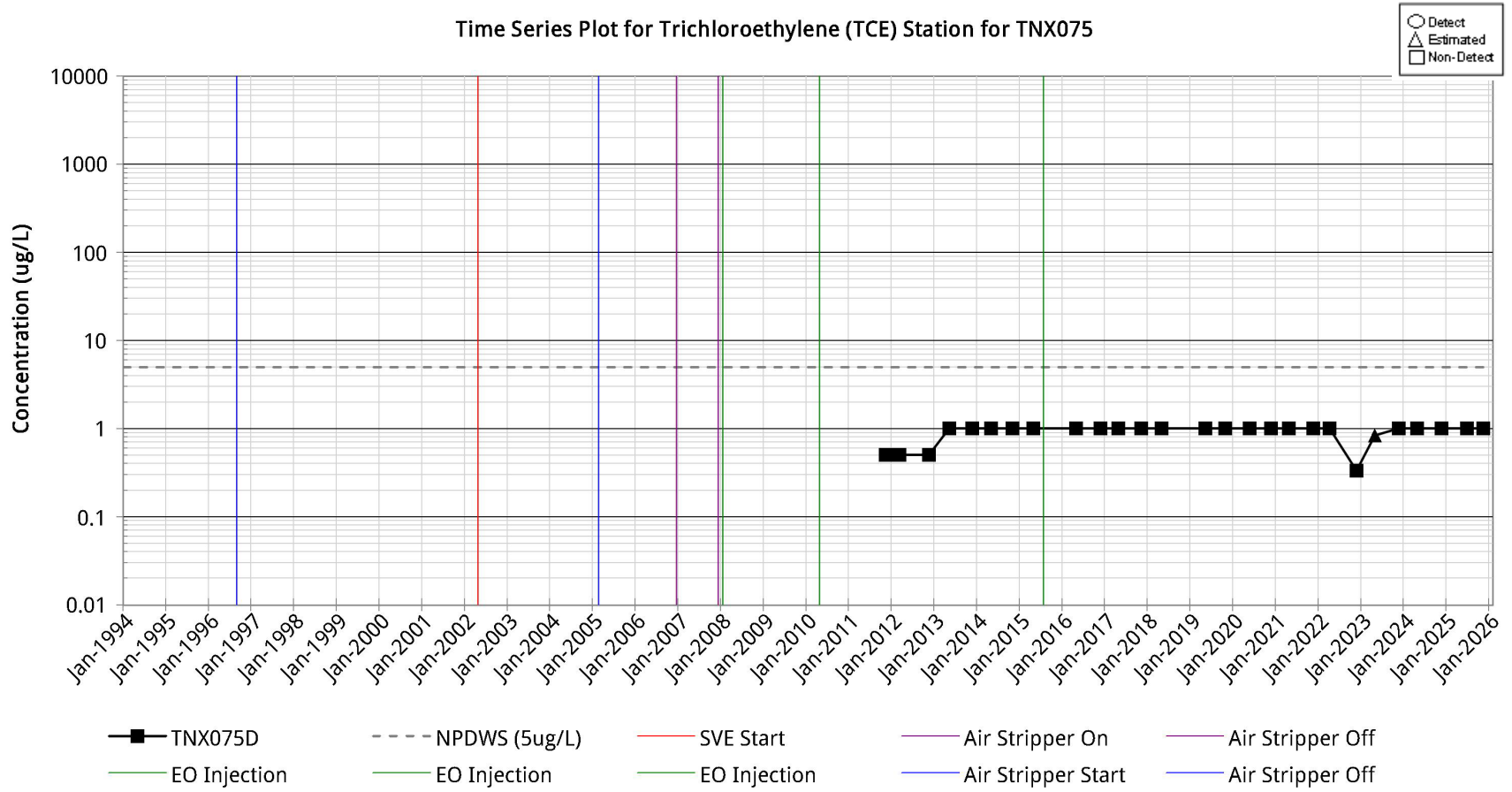
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX074D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX075
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
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0.1
0.01
Jan-1994
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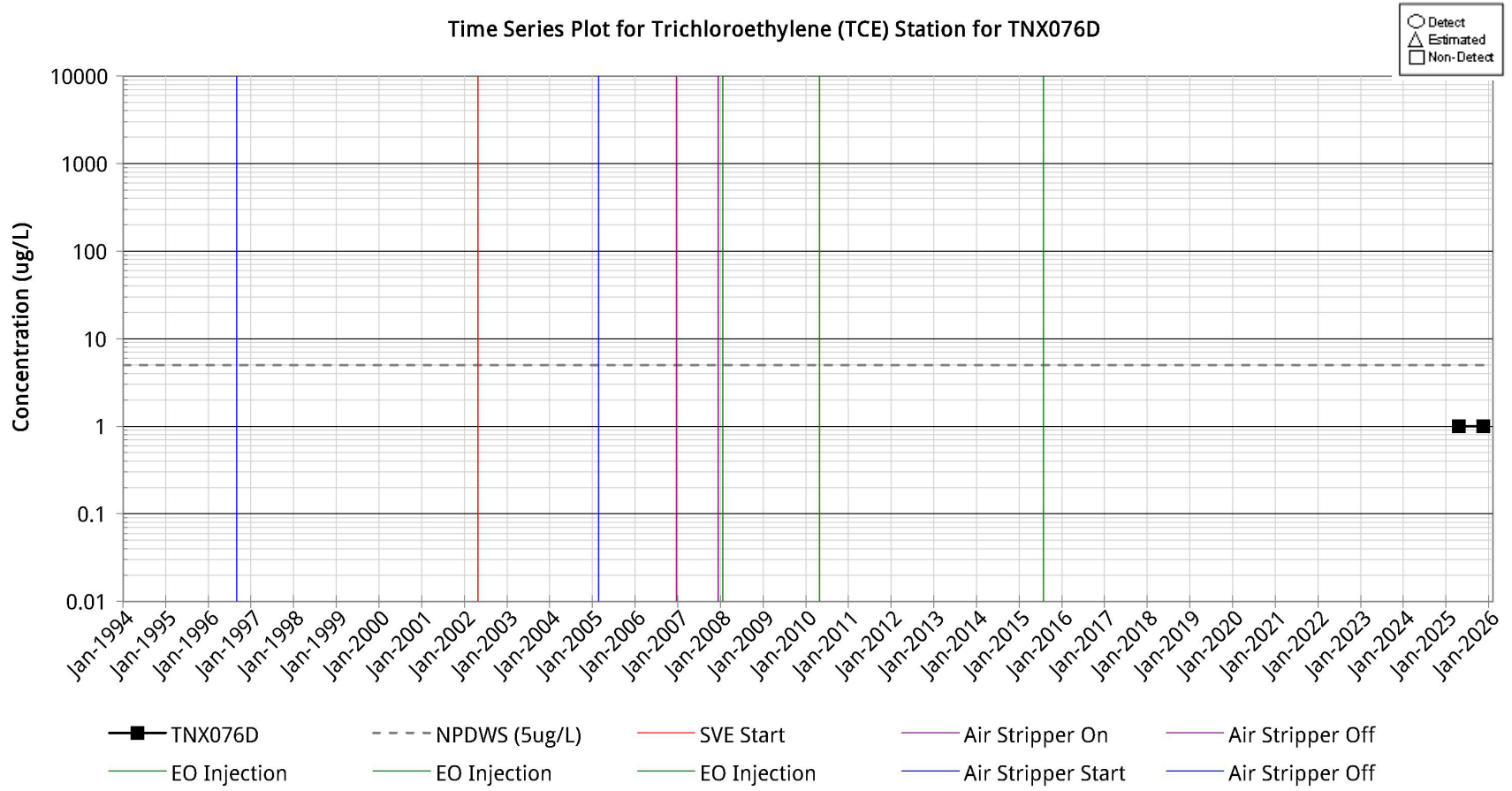
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX075D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TNX076D
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
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0.01
Jan-1994
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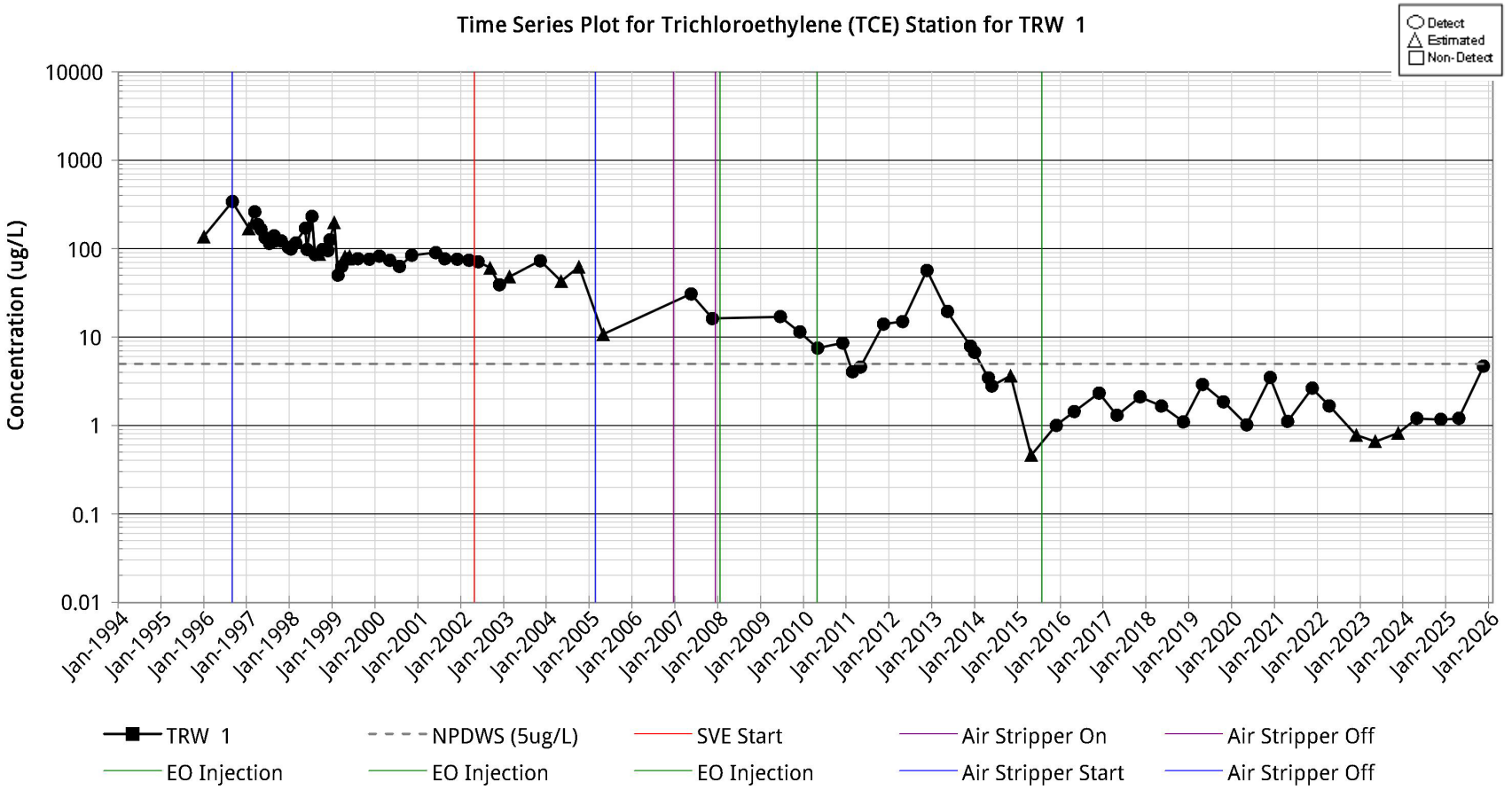
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX076D
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TRW 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
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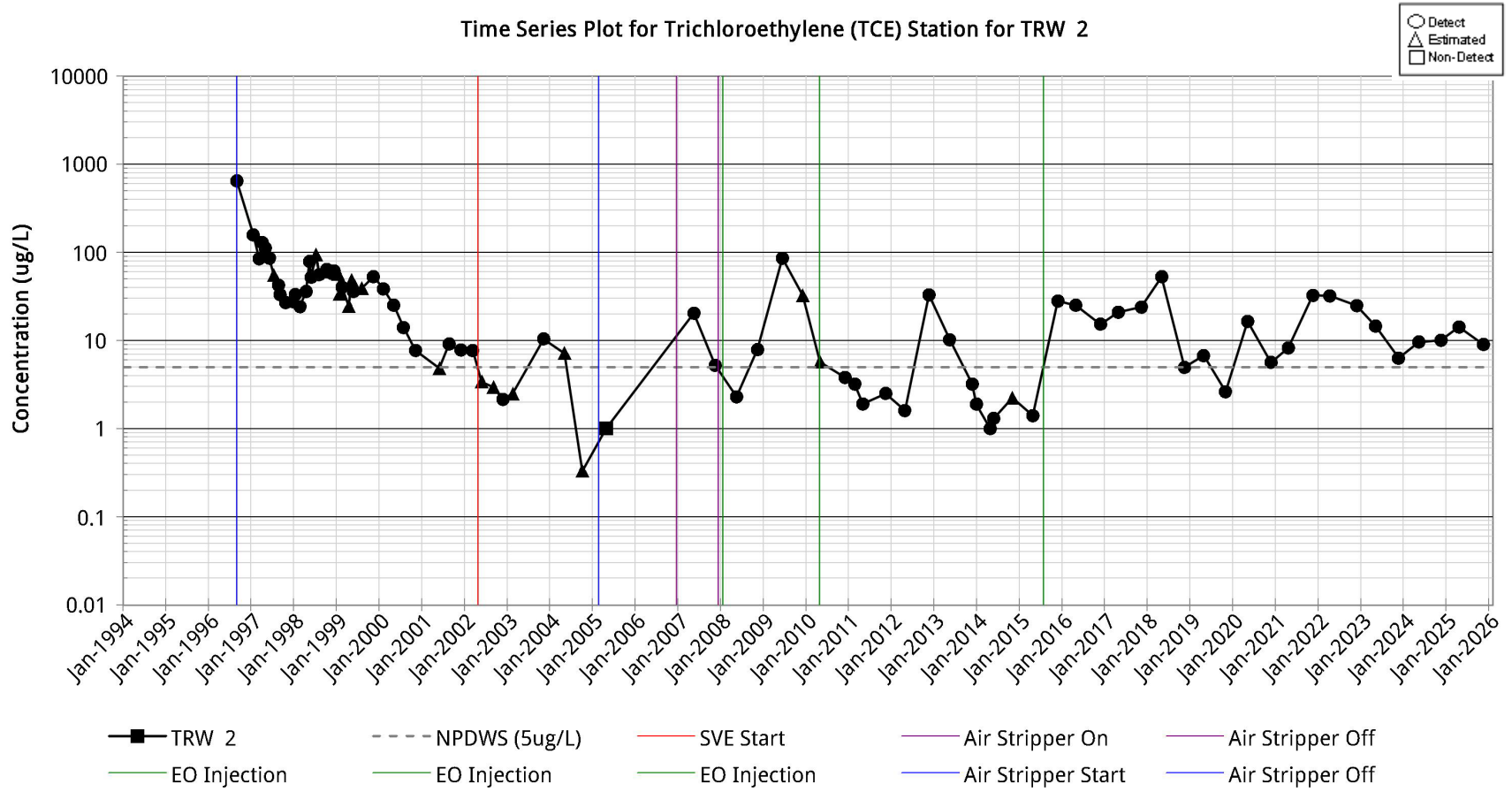
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 1
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TRW 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
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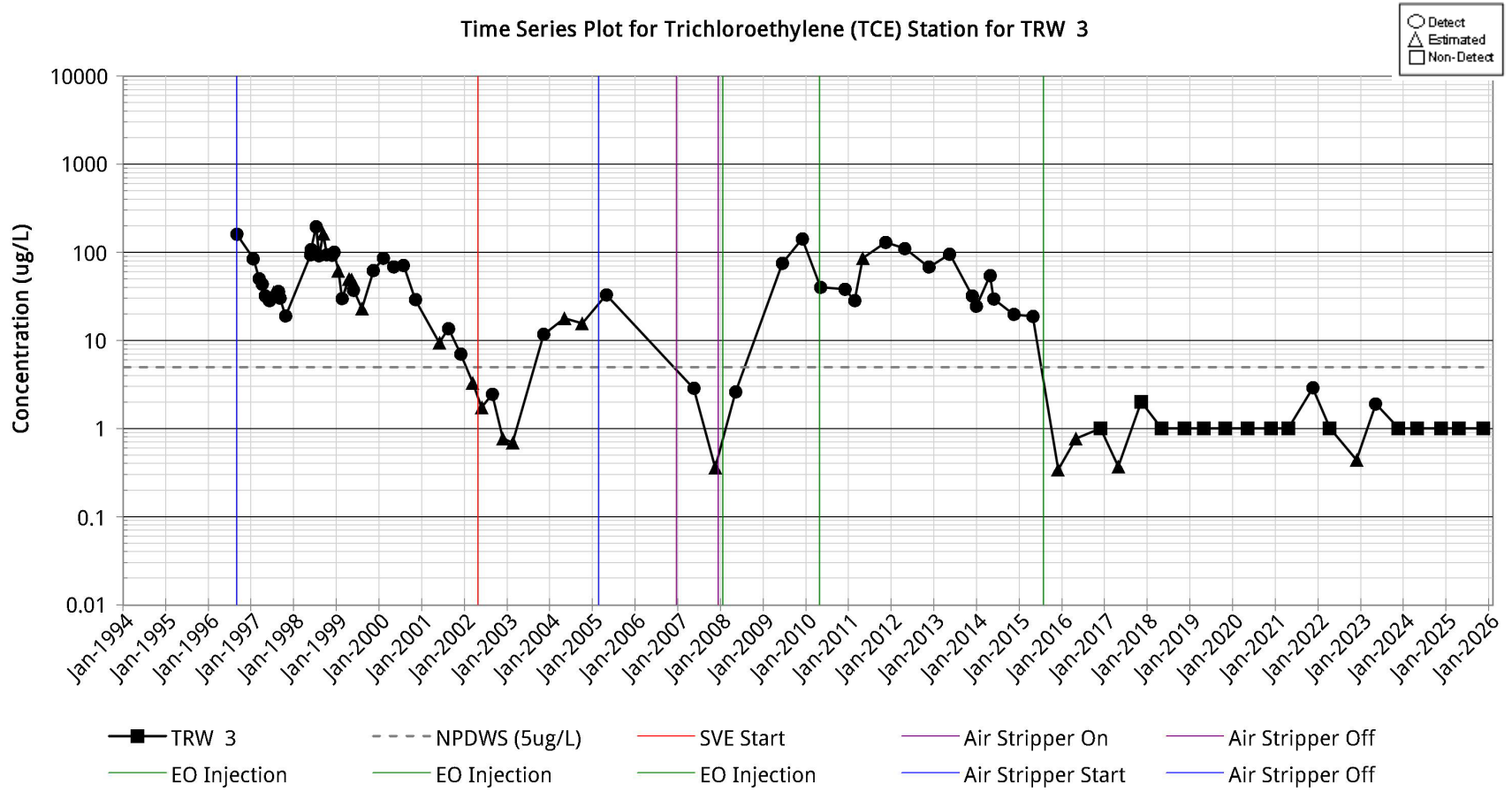
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 2
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TRW 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
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Jan-2010
Jan-2011
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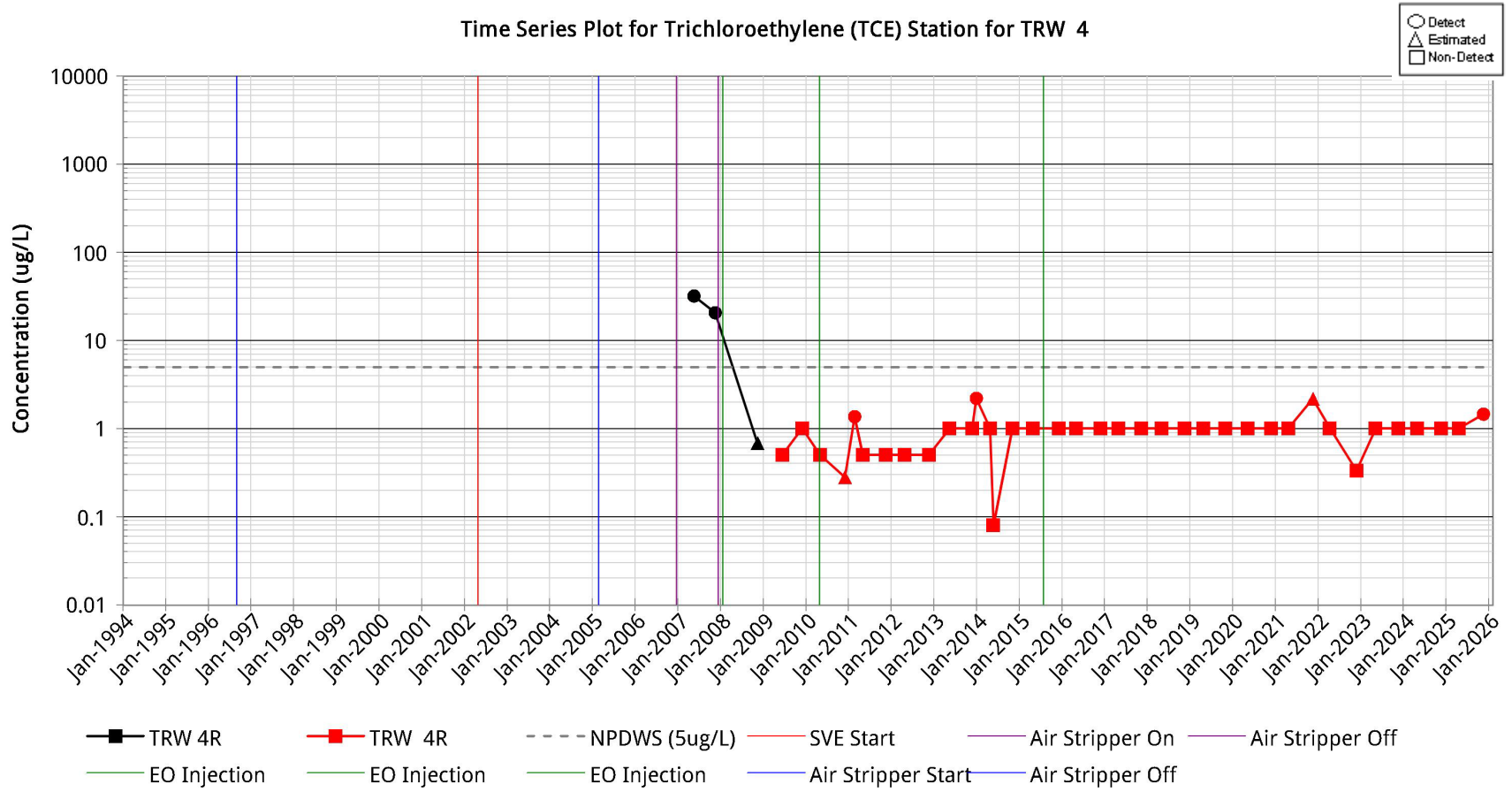
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 3
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TRW 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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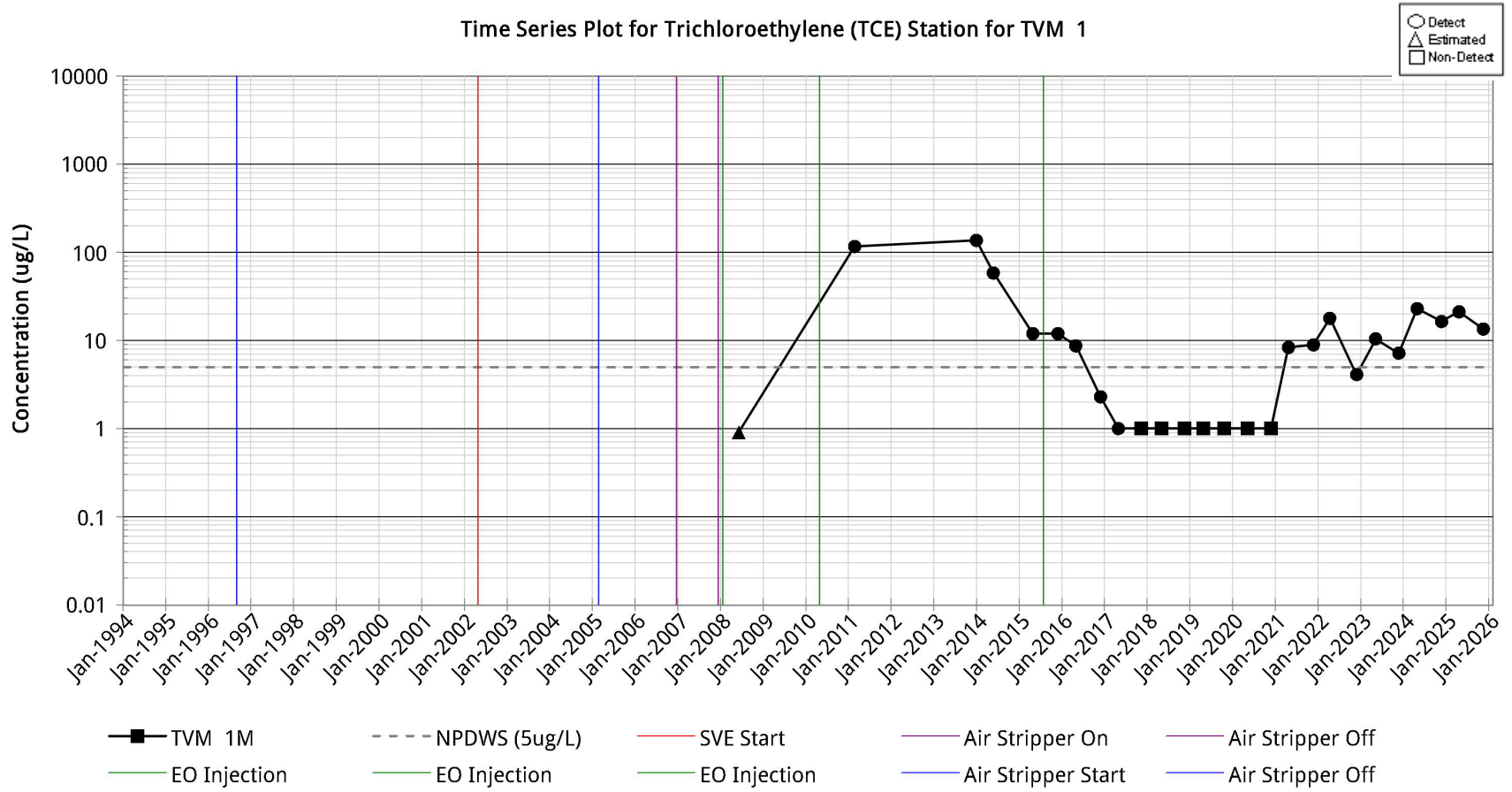
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 4R
TRW 4R
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TVM 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
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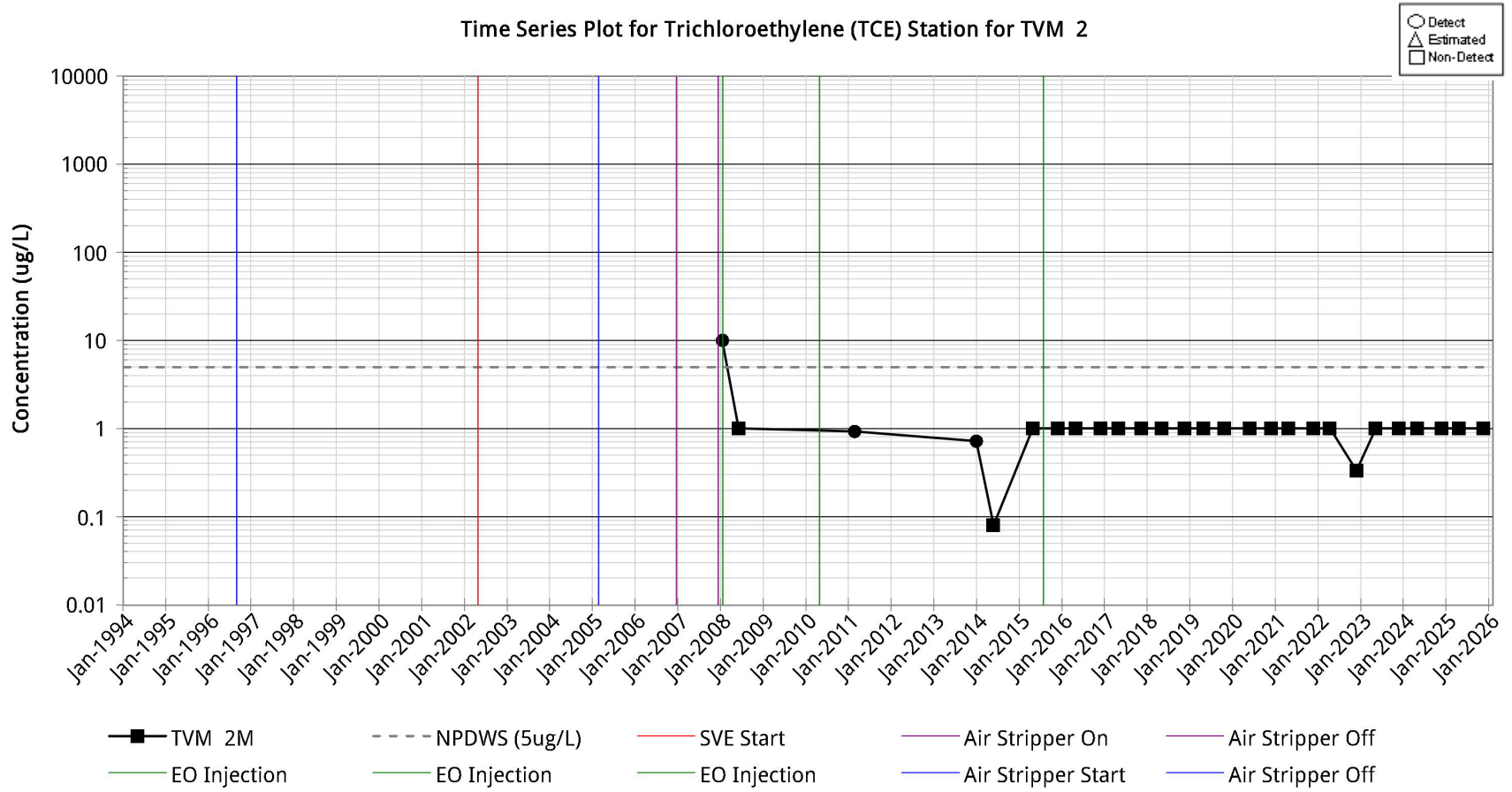
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 1M
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TVM 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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Jan-2010
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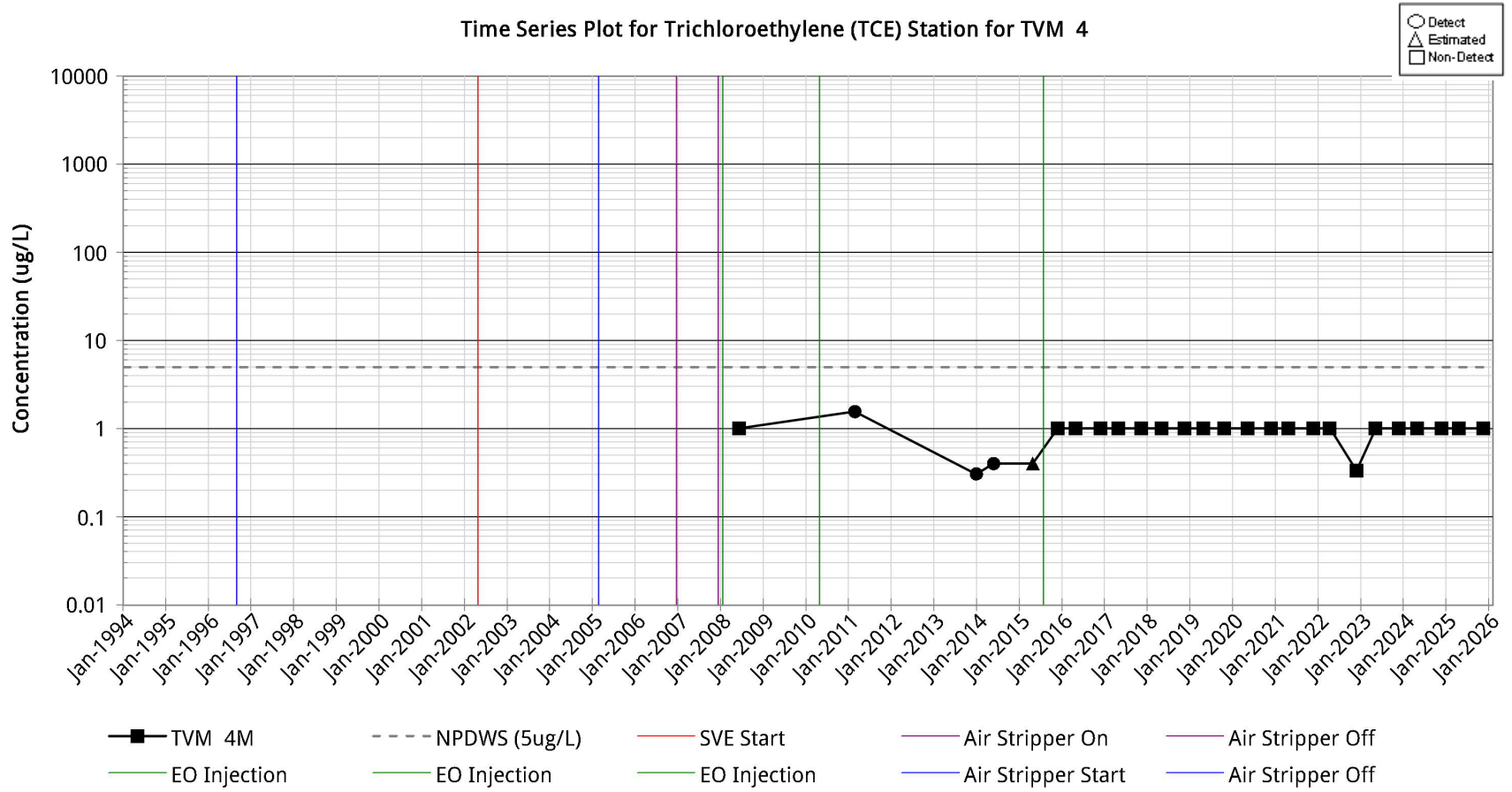
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 2M
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TVM 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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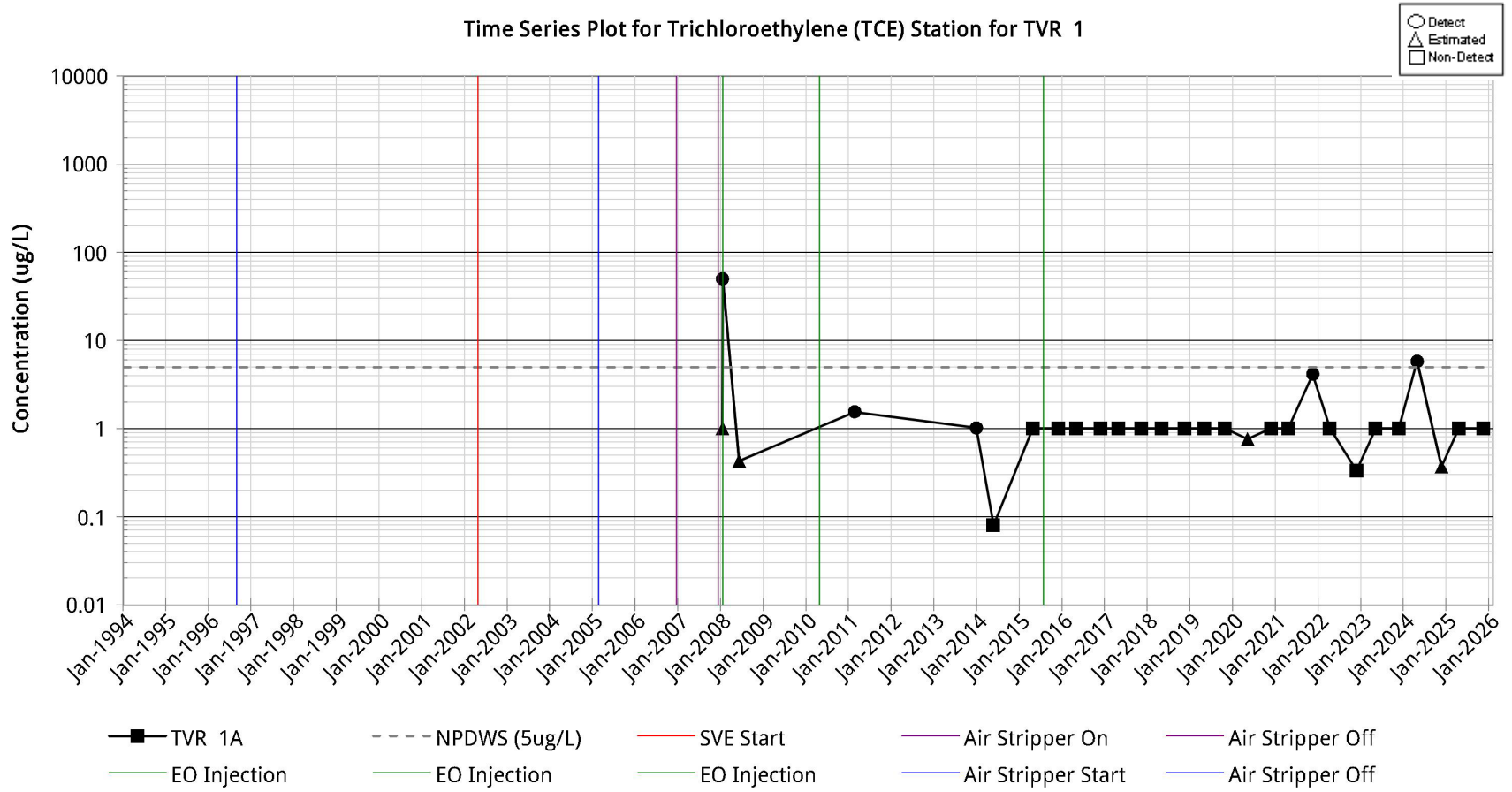
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVM 4M
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for TVR 1
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
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Jan-2016
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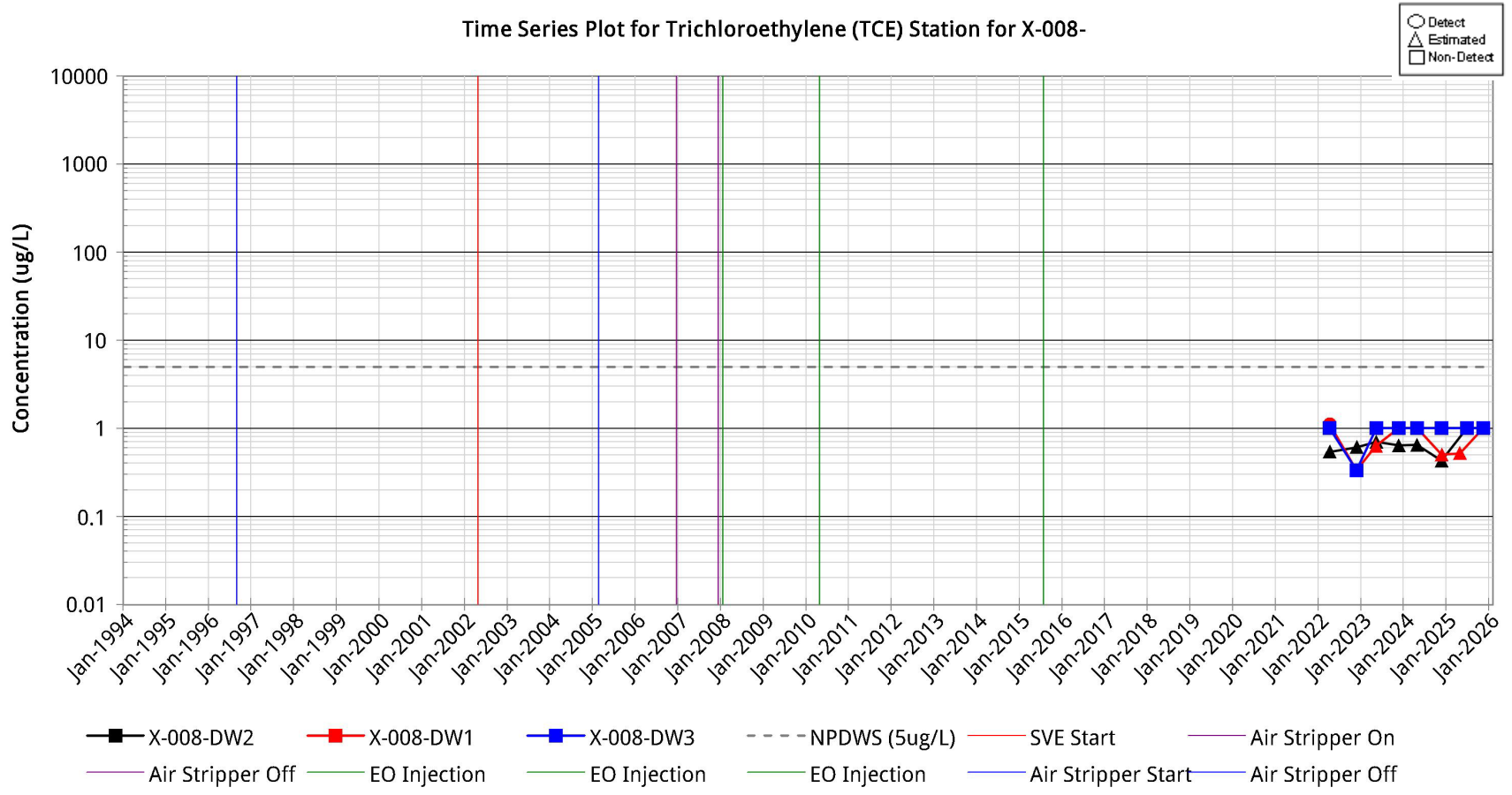
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TVR 1A
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for X-008-
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
Jan-1997
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Jan-1999
Jan-2000
Jan-2001
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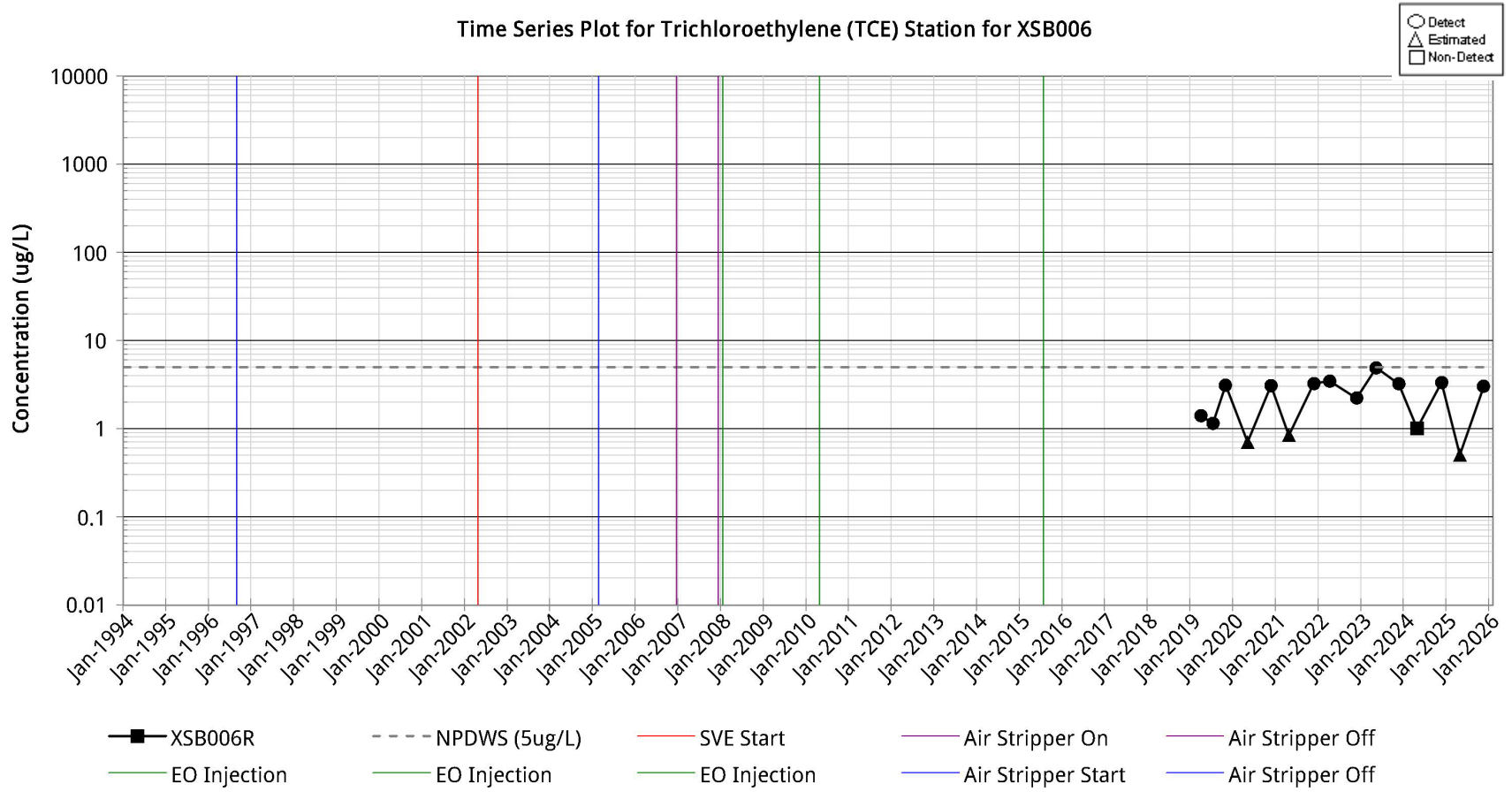
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
X-008-DW2
X-008-DW1
X-008-DW3
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Trichloroethylene (TCE) Station for XSB006
Detect
Estimated
Non-Detect
Concentration (ug/L)
10000
1000
100
10
1
0.1
0.01
Jan-1994
Jan-1995
Jan-1996
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Jan-1999
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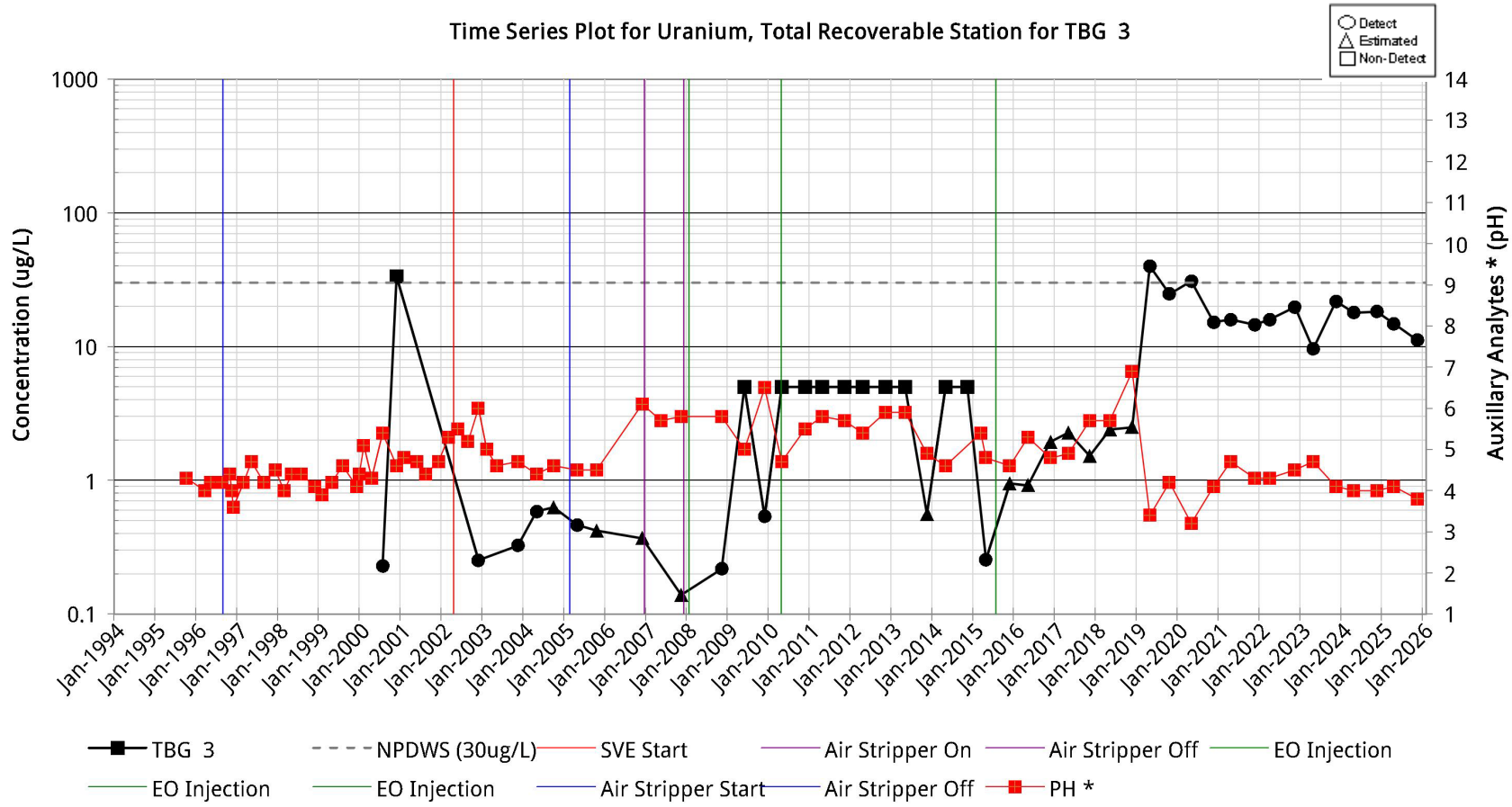
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
XSB006R
NPDWS (5ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off


Time Series Plot for Uranium, Total Recoverable Station for TBG 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
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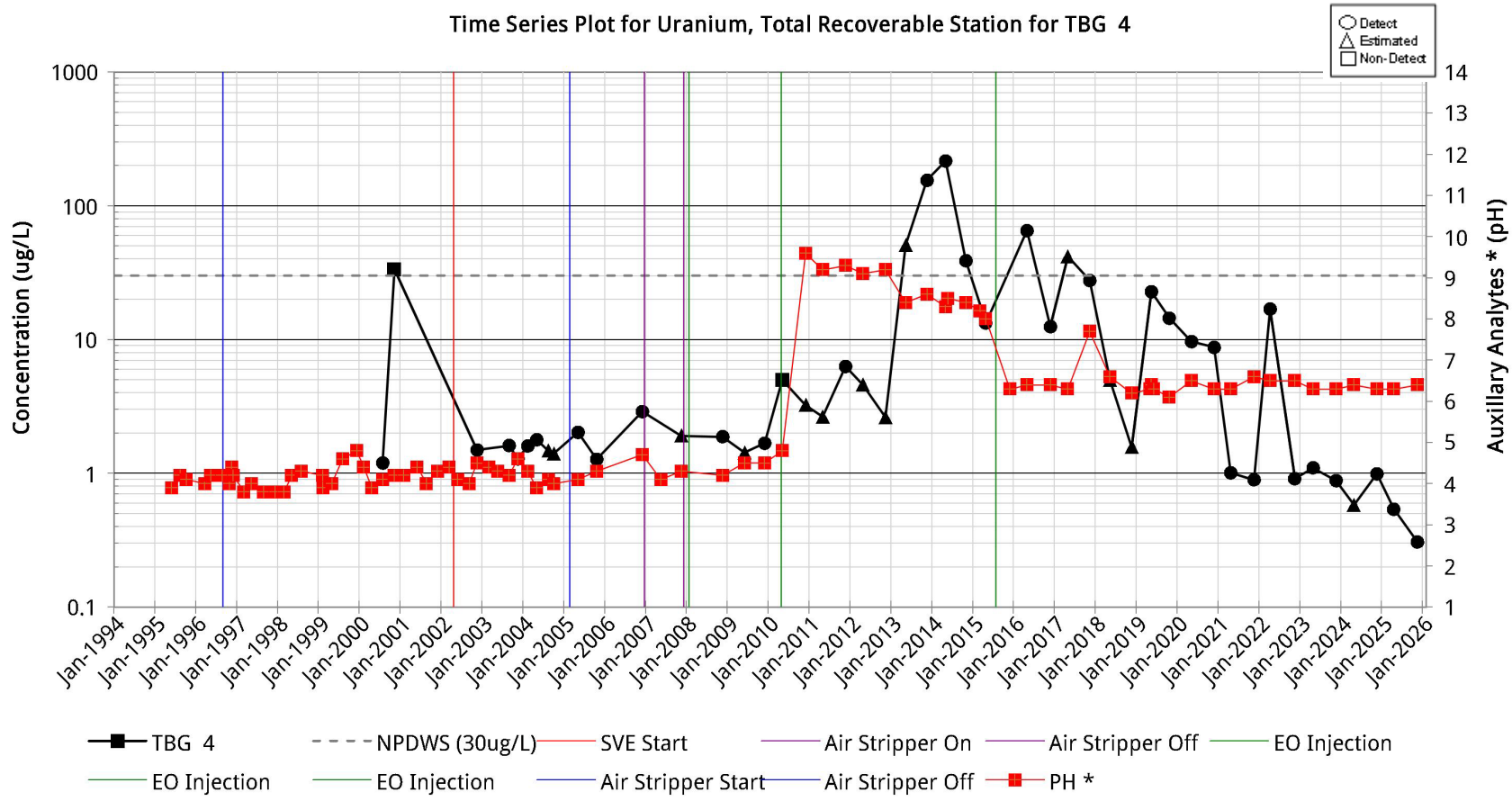
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 3
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TBG 4
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
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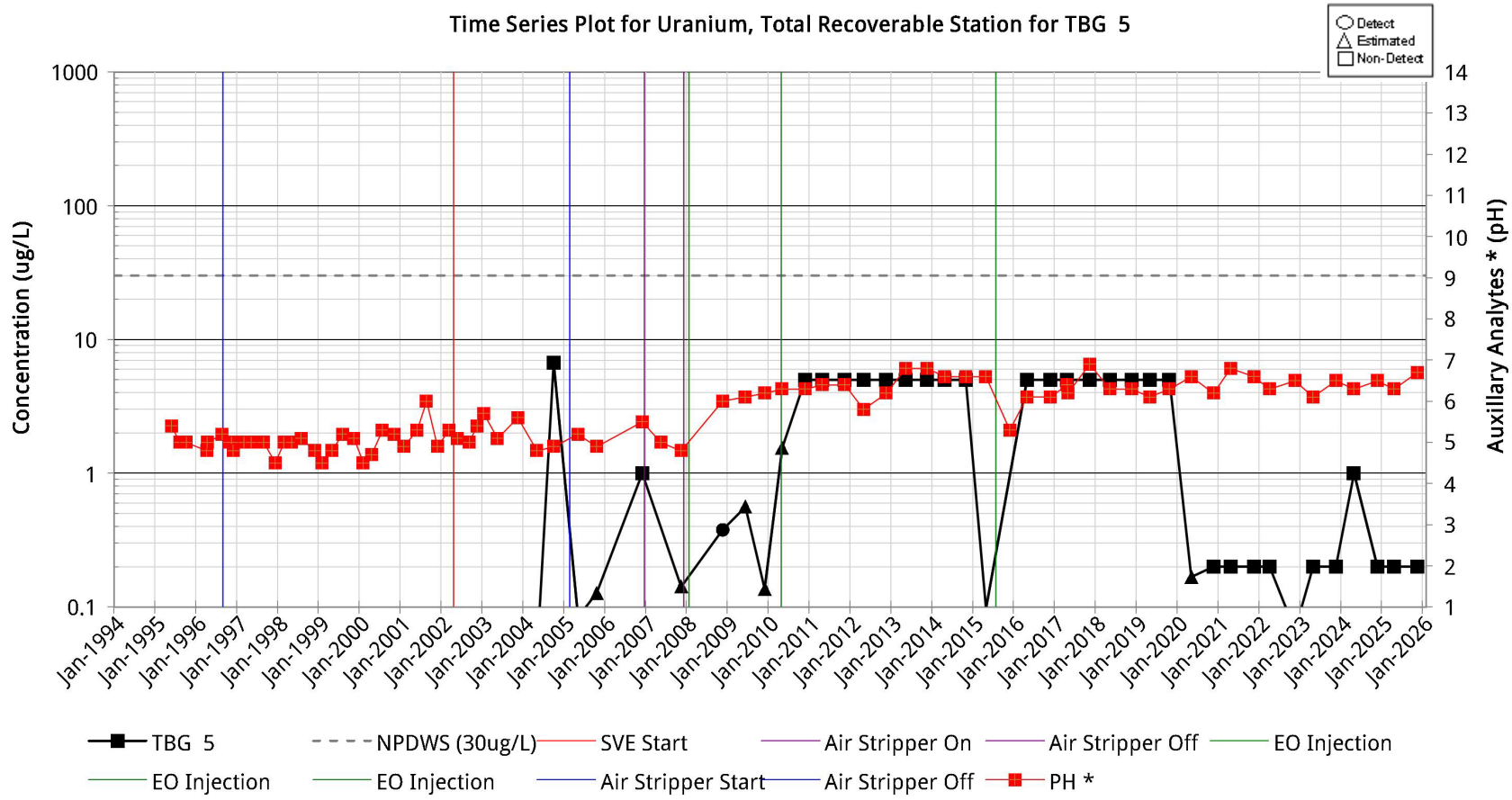
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 4
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TBG 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
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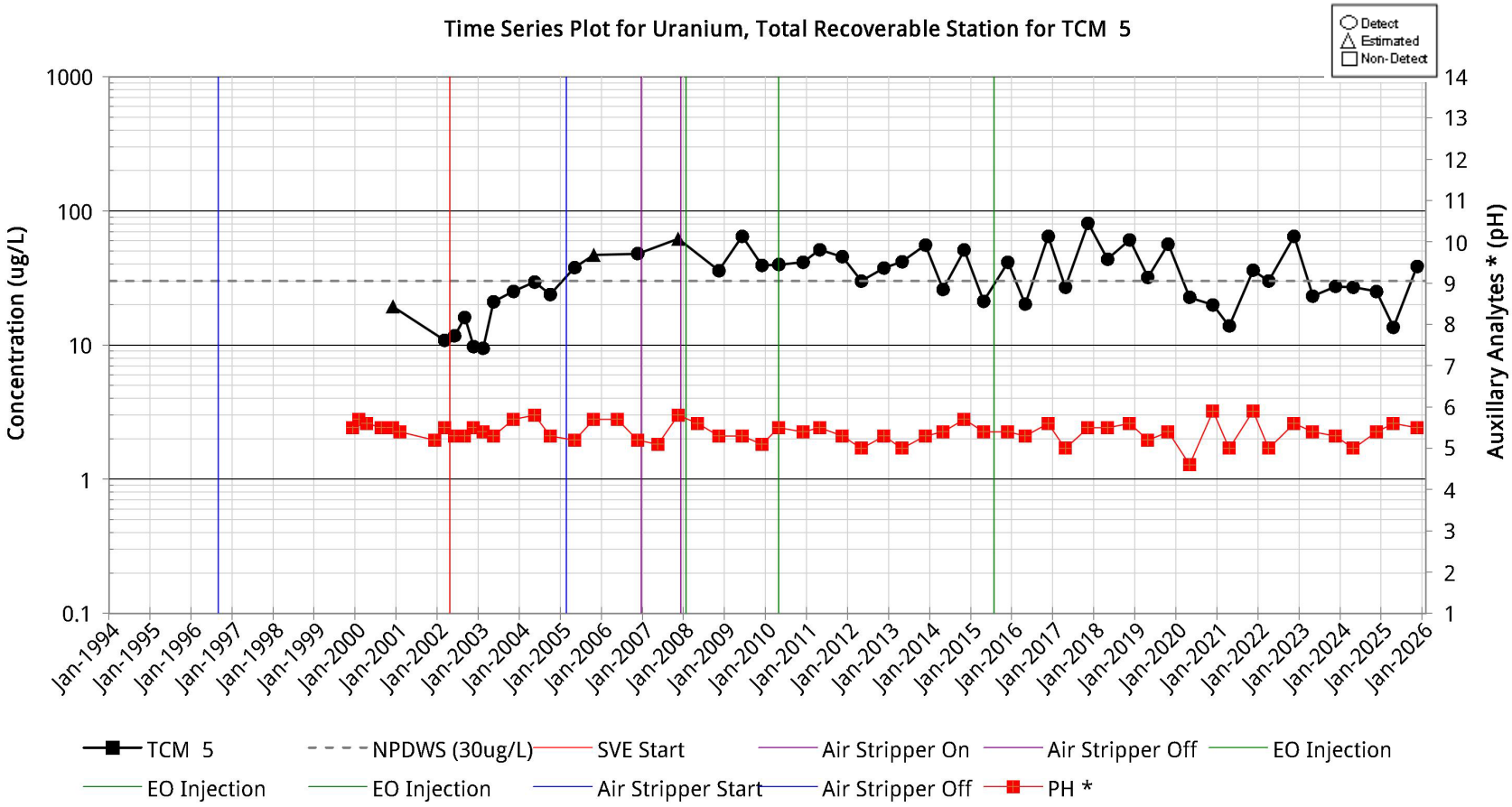
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TBG 5
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TCM 5
Detect
Estimated
Non-Detect
Concentration (ug/L)
Auxillary Analytes * (pH)
1000
100
10
1
0.1
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
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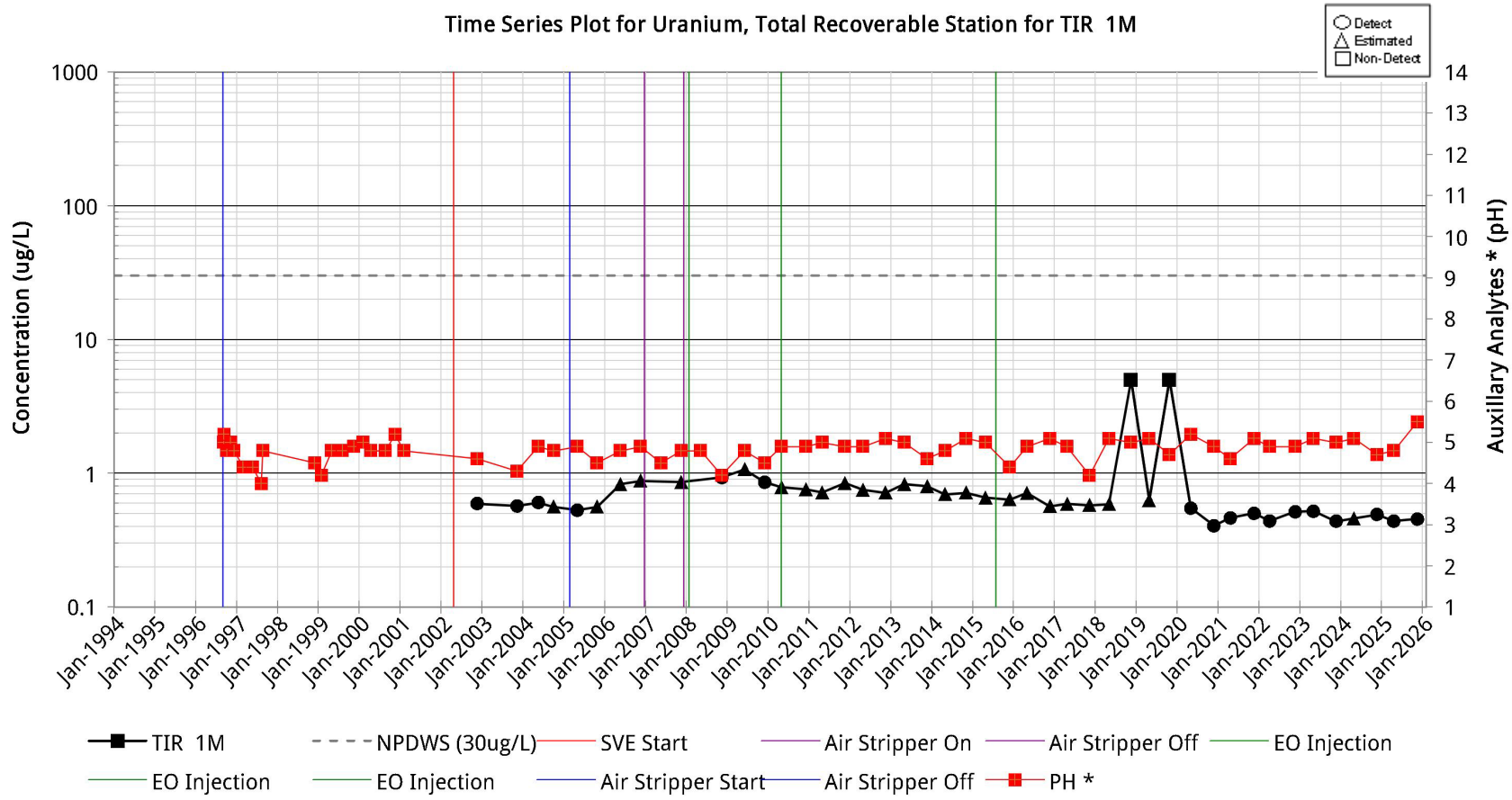
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TCM 5
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TIR 1M
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
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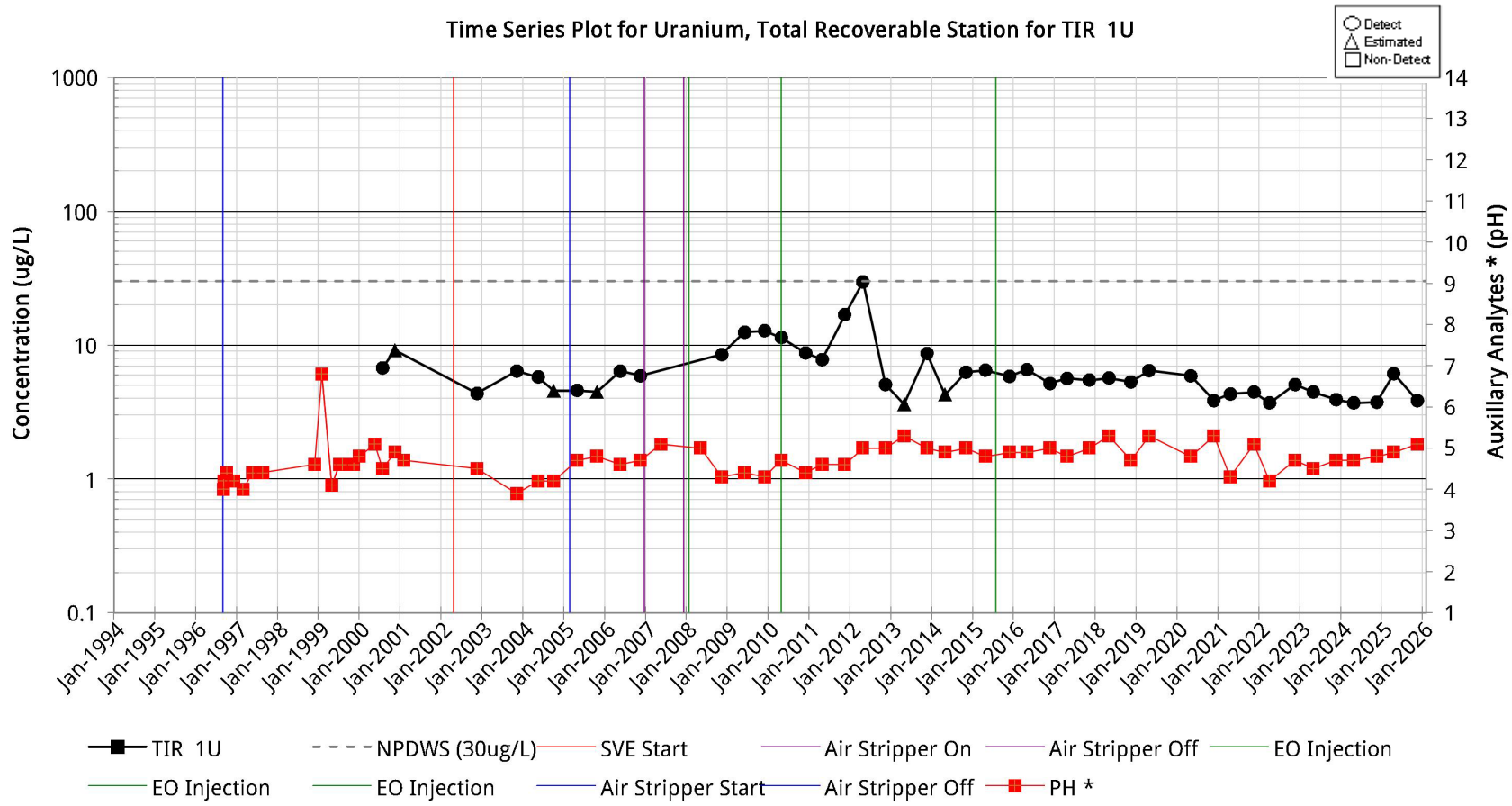
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TIR 1M
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TIR 1U
Detect
Estimated
Non-Detect
Concentration (ug/L)
Auxillary Analytes * (pH)
1000
100
10
1
0.1
14
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9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
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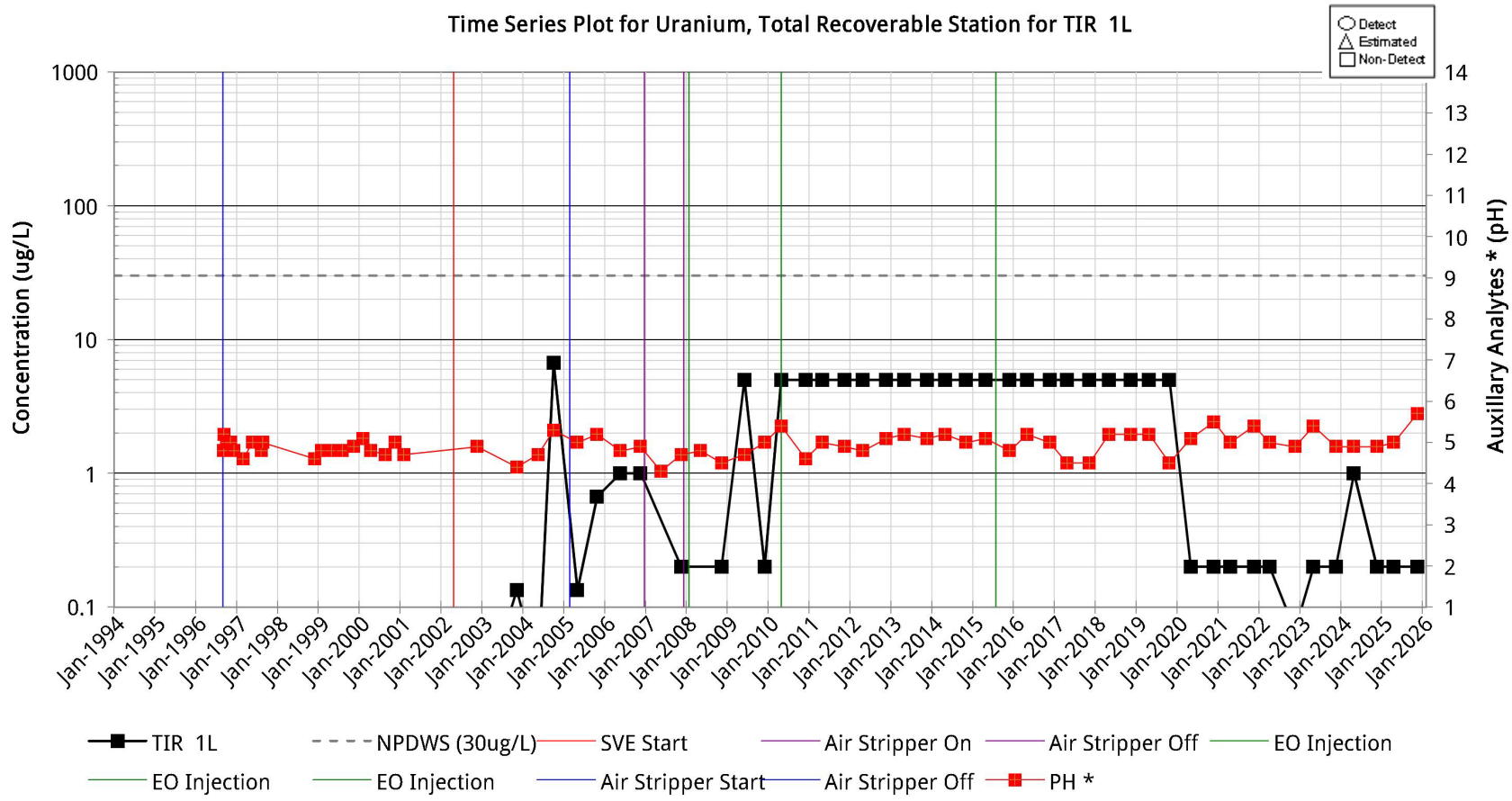
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TIR 1U
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TIR 1L
Detect
Estimated
Non-Detect
Concentration (ug/L)
Auxillary Analytes * (pH)
1000
100
10
1
0.1
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
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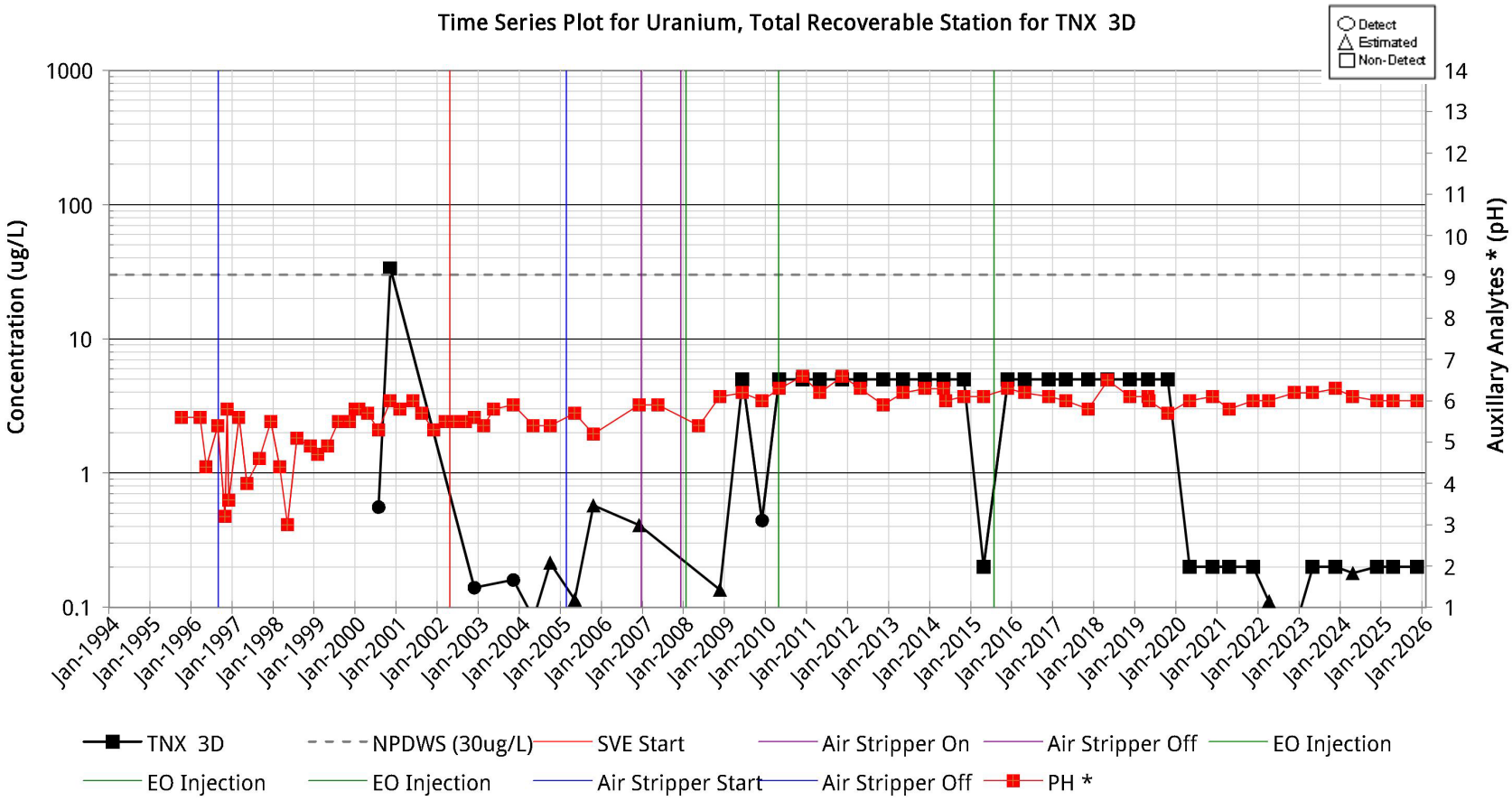
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TIR 1L
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TNX 3D
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
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9
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4
3
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Jan-1994
Jan-1995
Jan-1996
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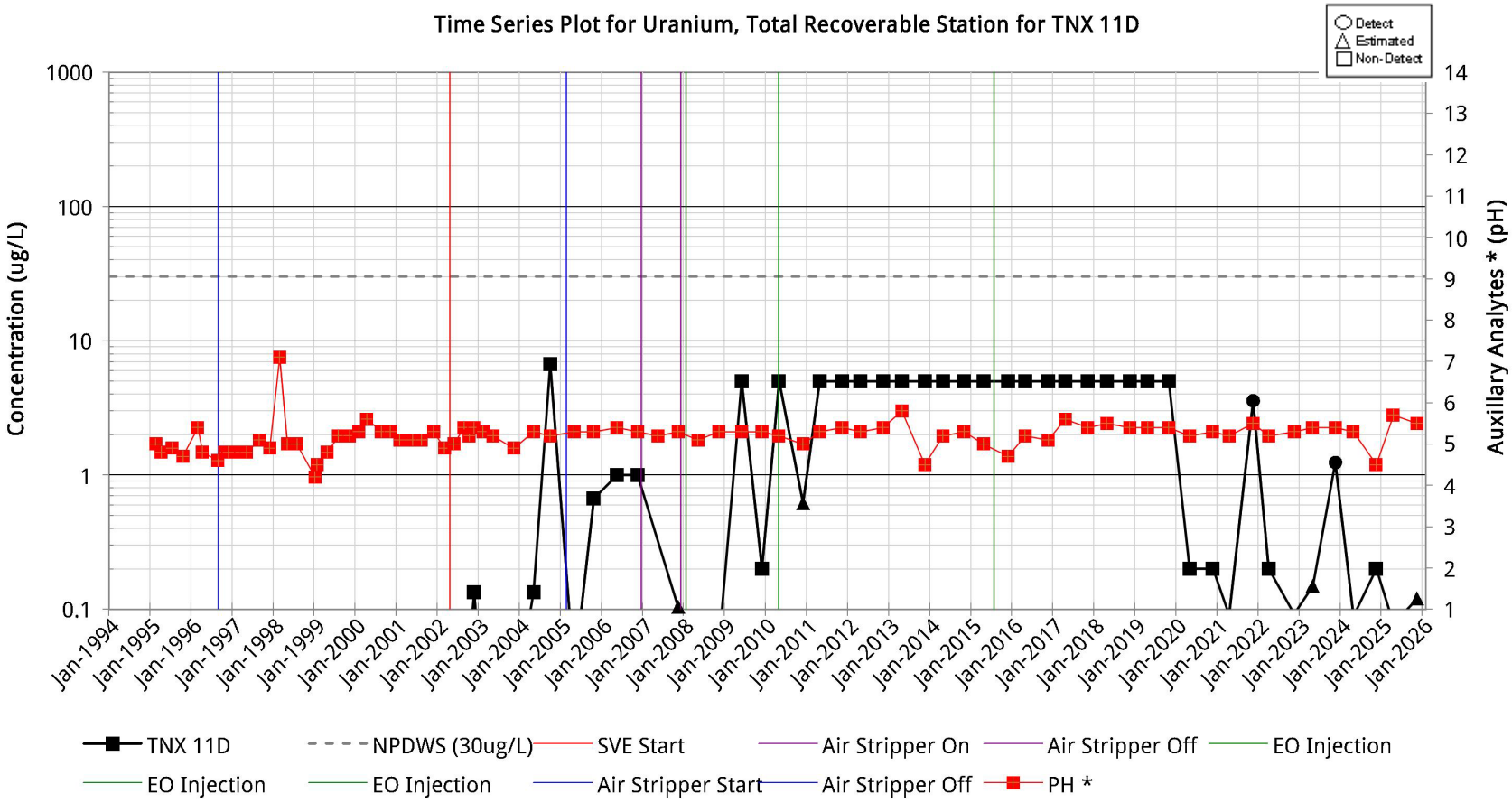
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 3D
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TNX 11D
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
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Jan-1994
Jan-1995
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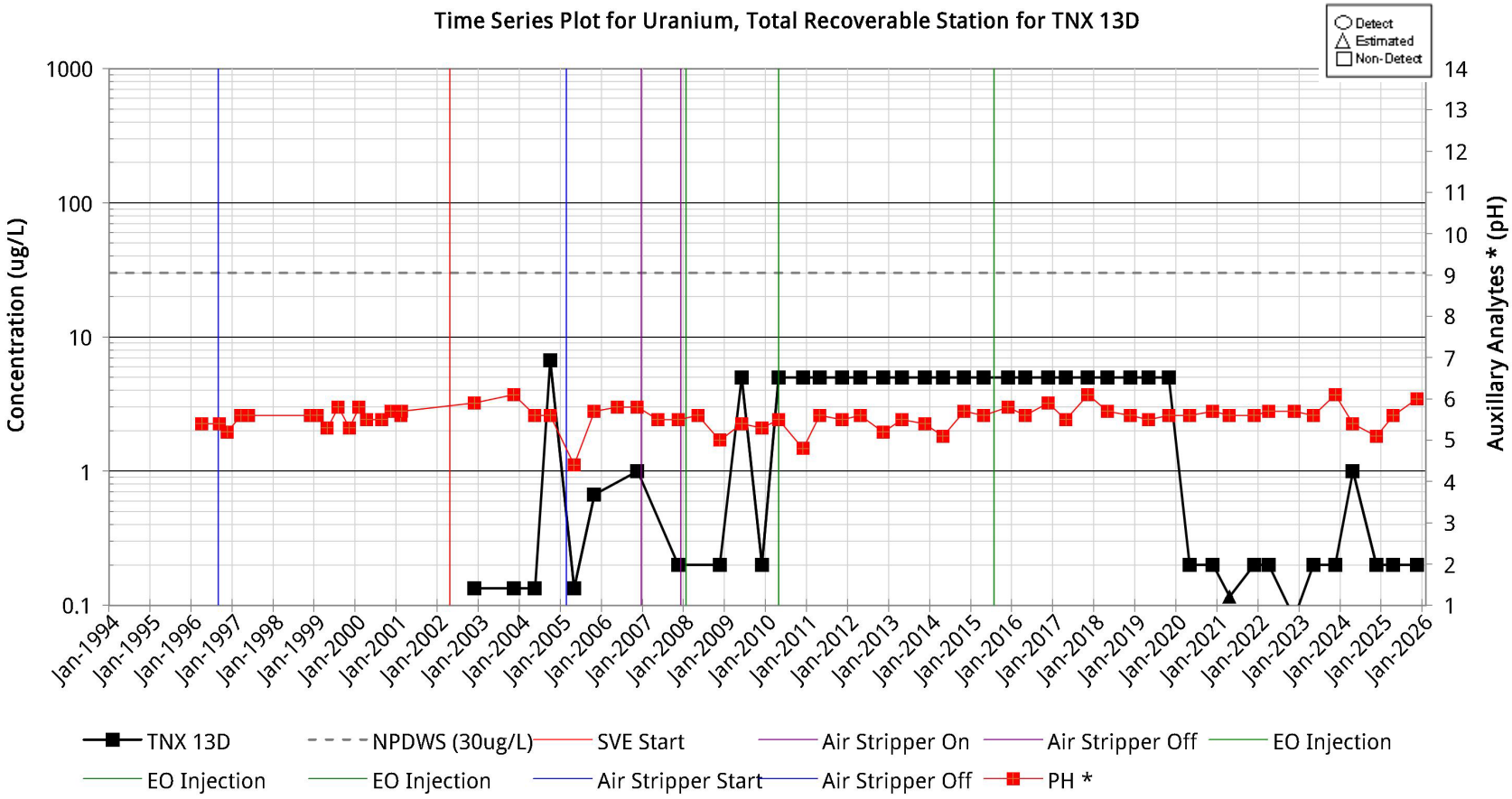
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 11D
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TNX 13D
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
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1
Jan-1994
Jan-1995
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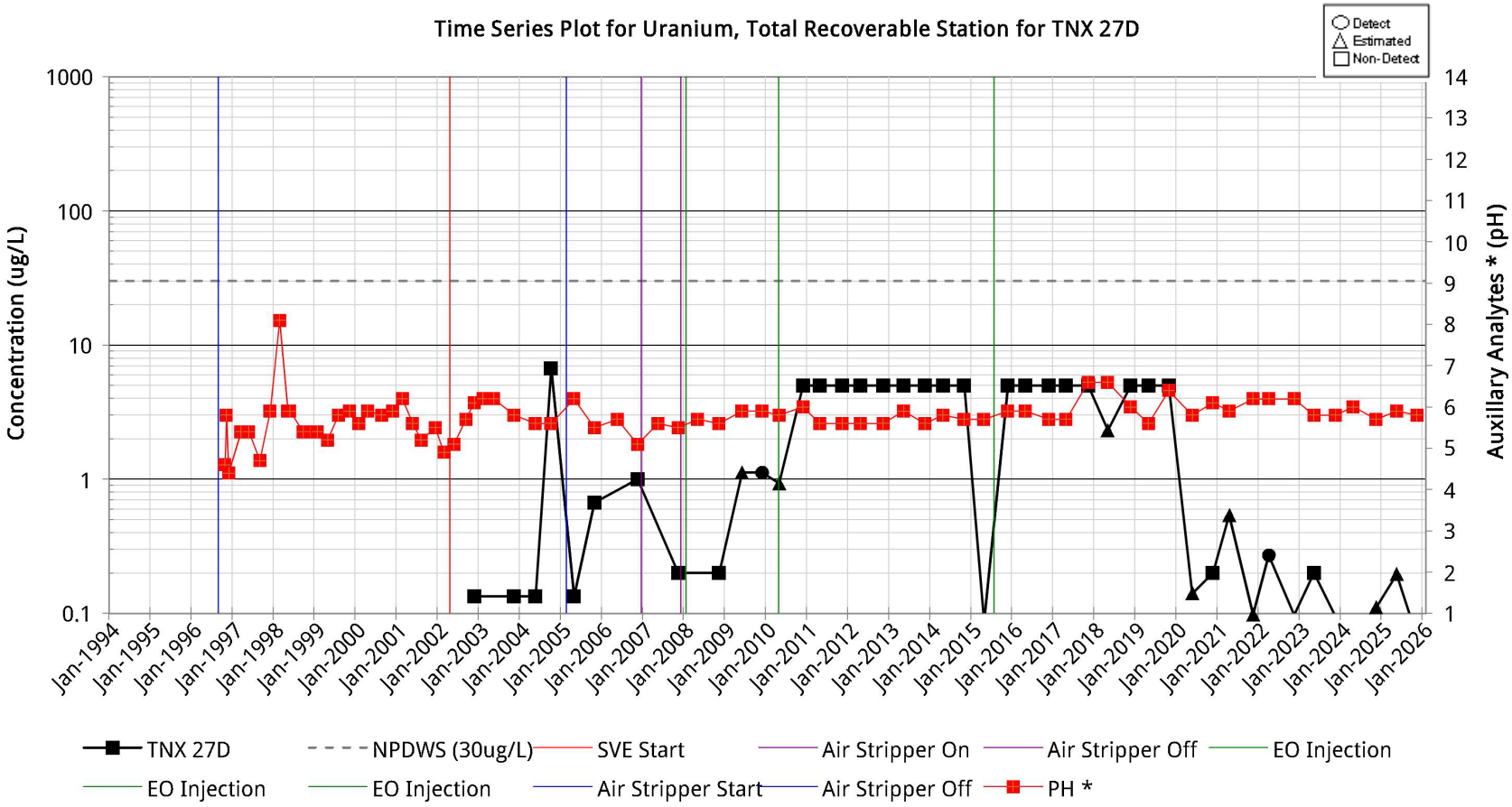
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 13D
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TNX 27D
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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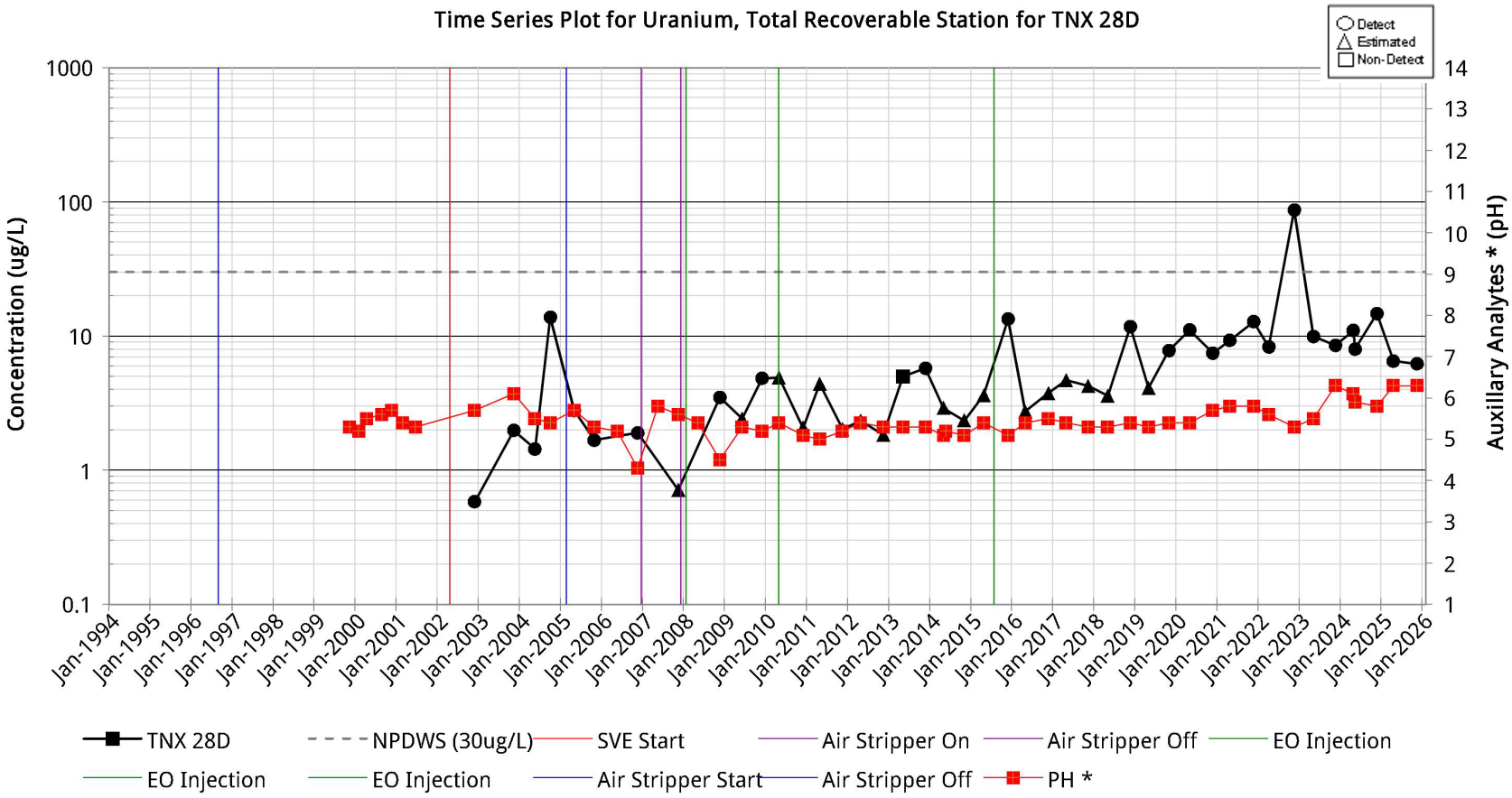
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 27D
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TNX 28D
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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Jan-2005
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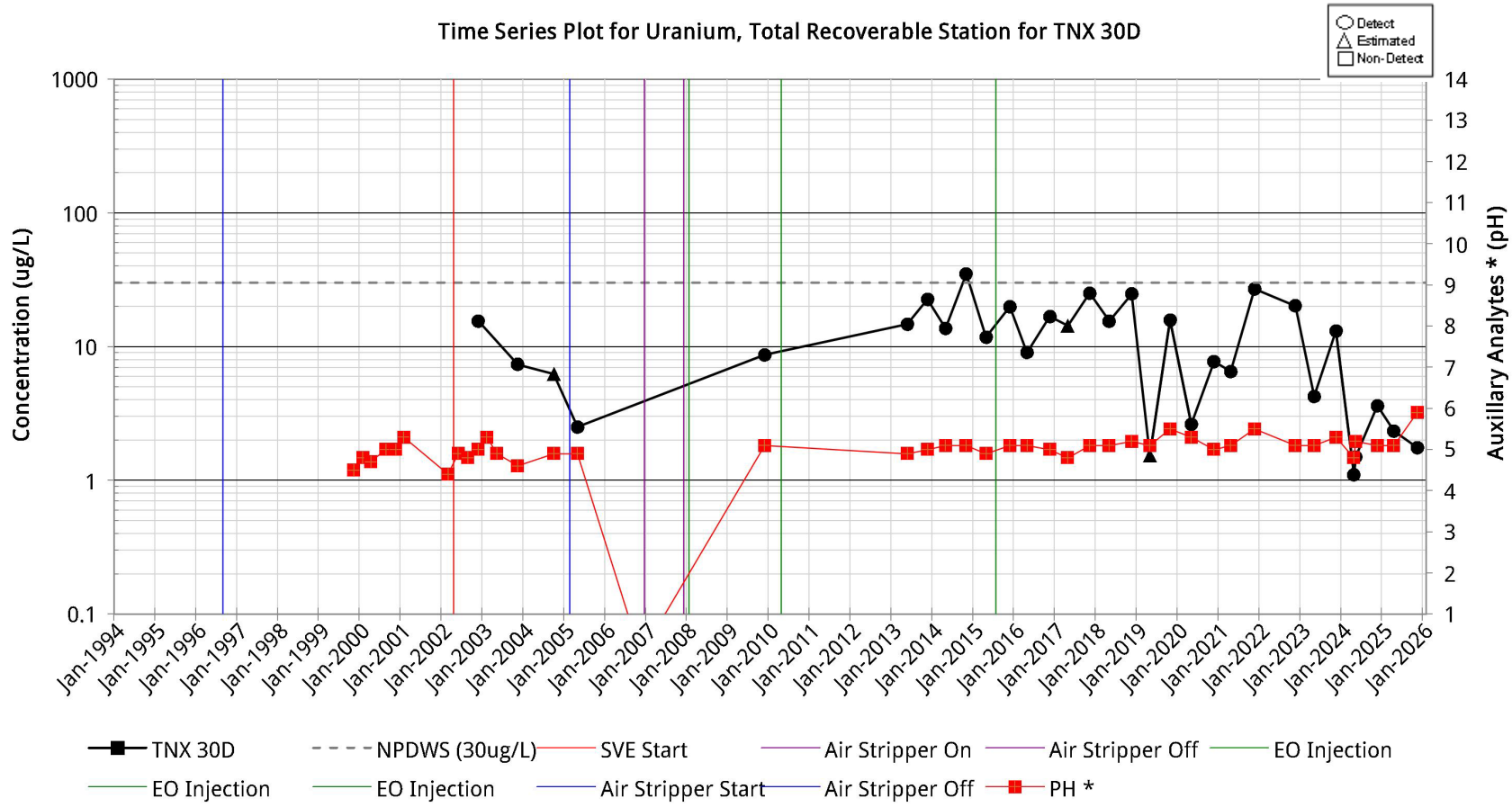
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 28D
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TNX 30D
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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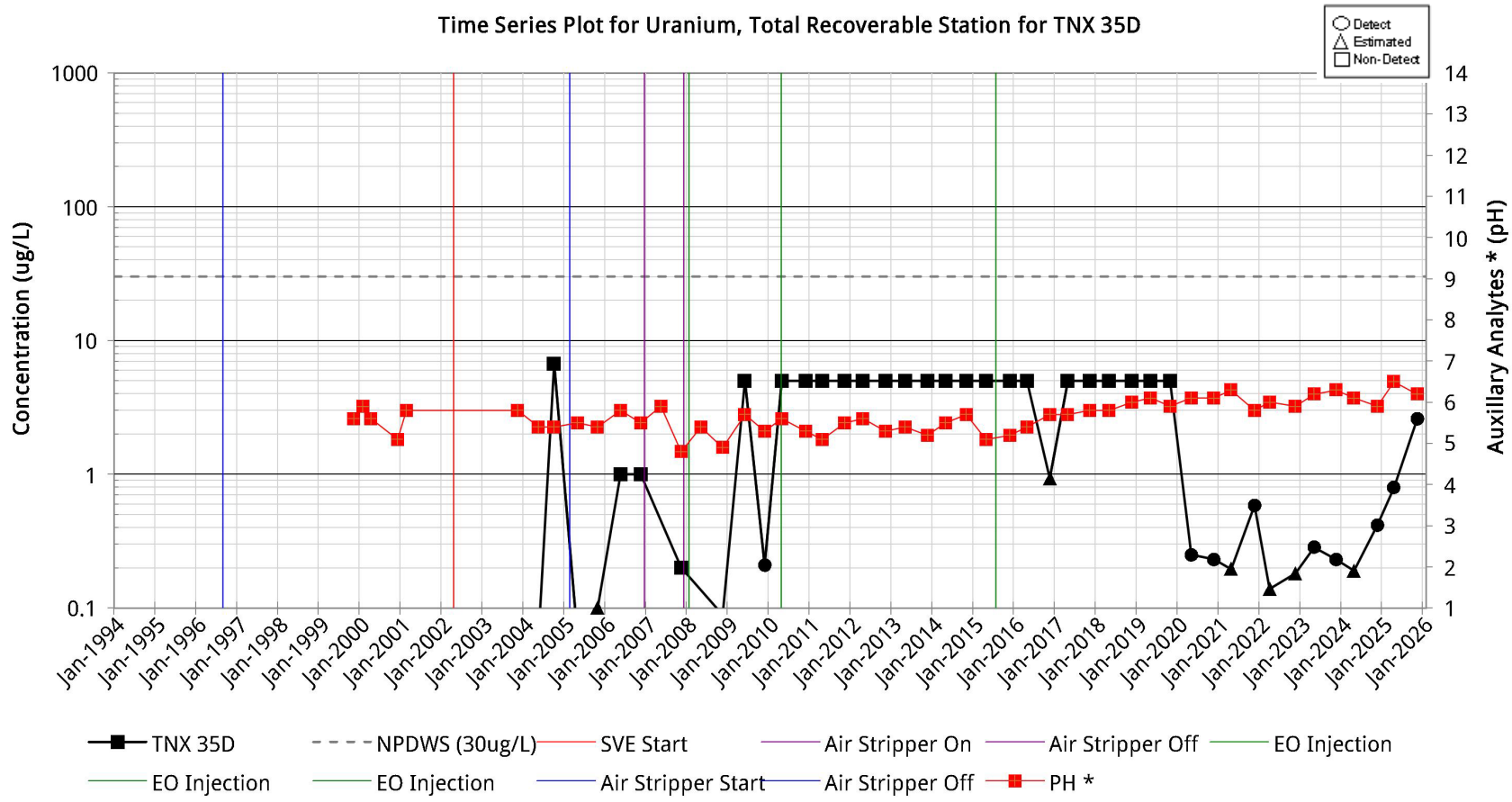
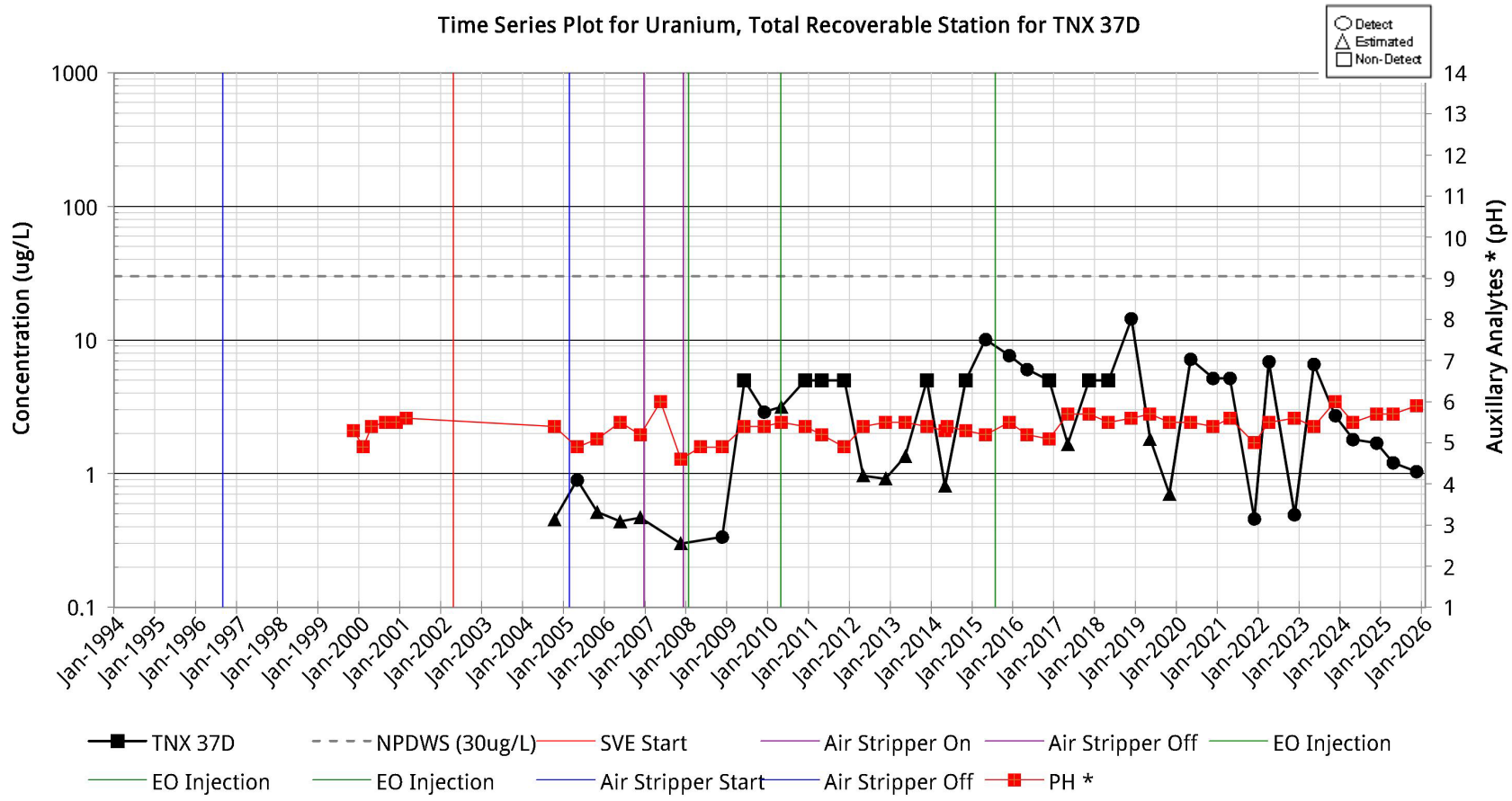
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 30D
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TNX 35D
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 35D
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TNX 37D
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
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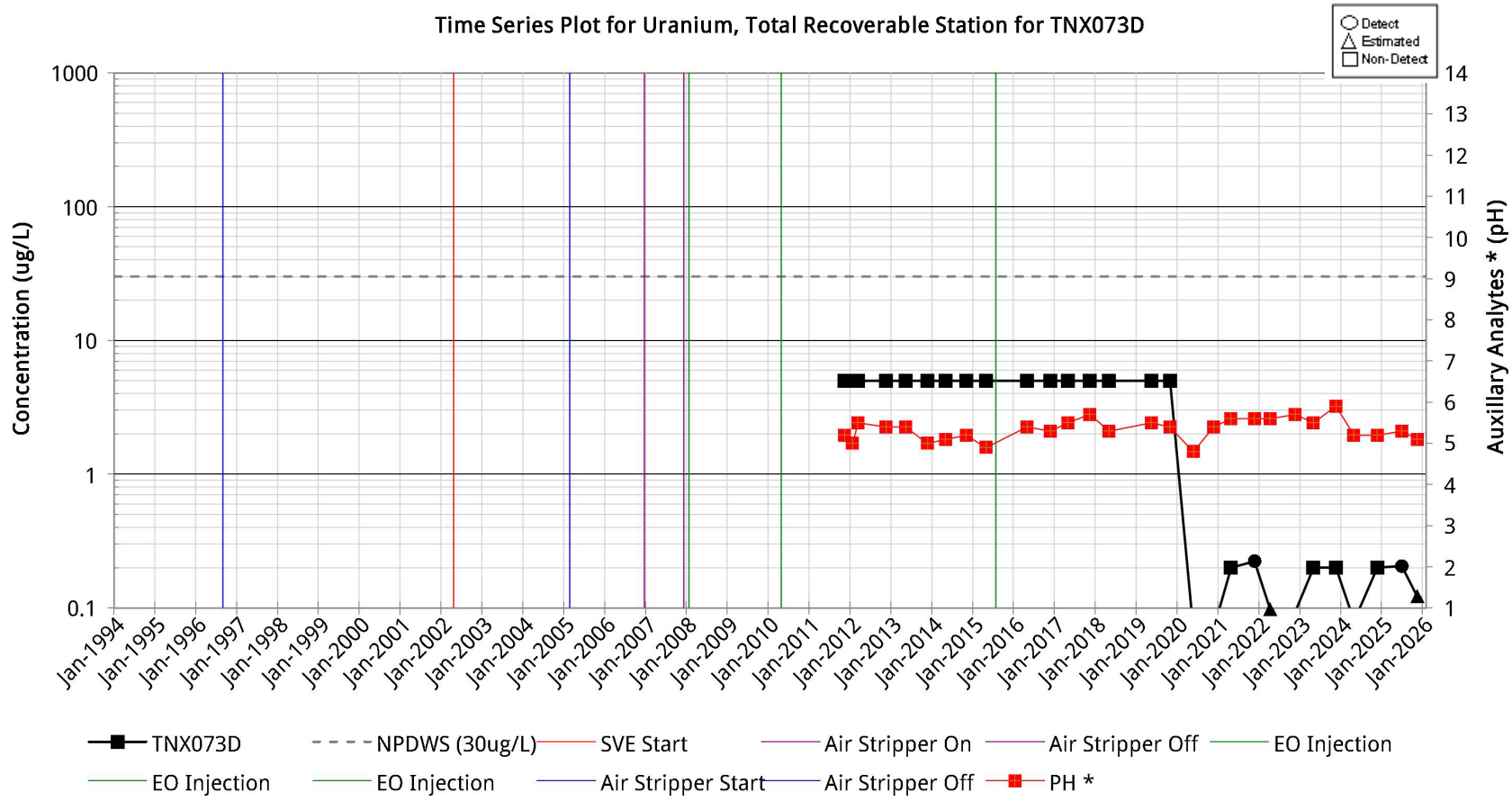
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX 37D
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TNX073D
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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Jan-2003
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Jan-2009
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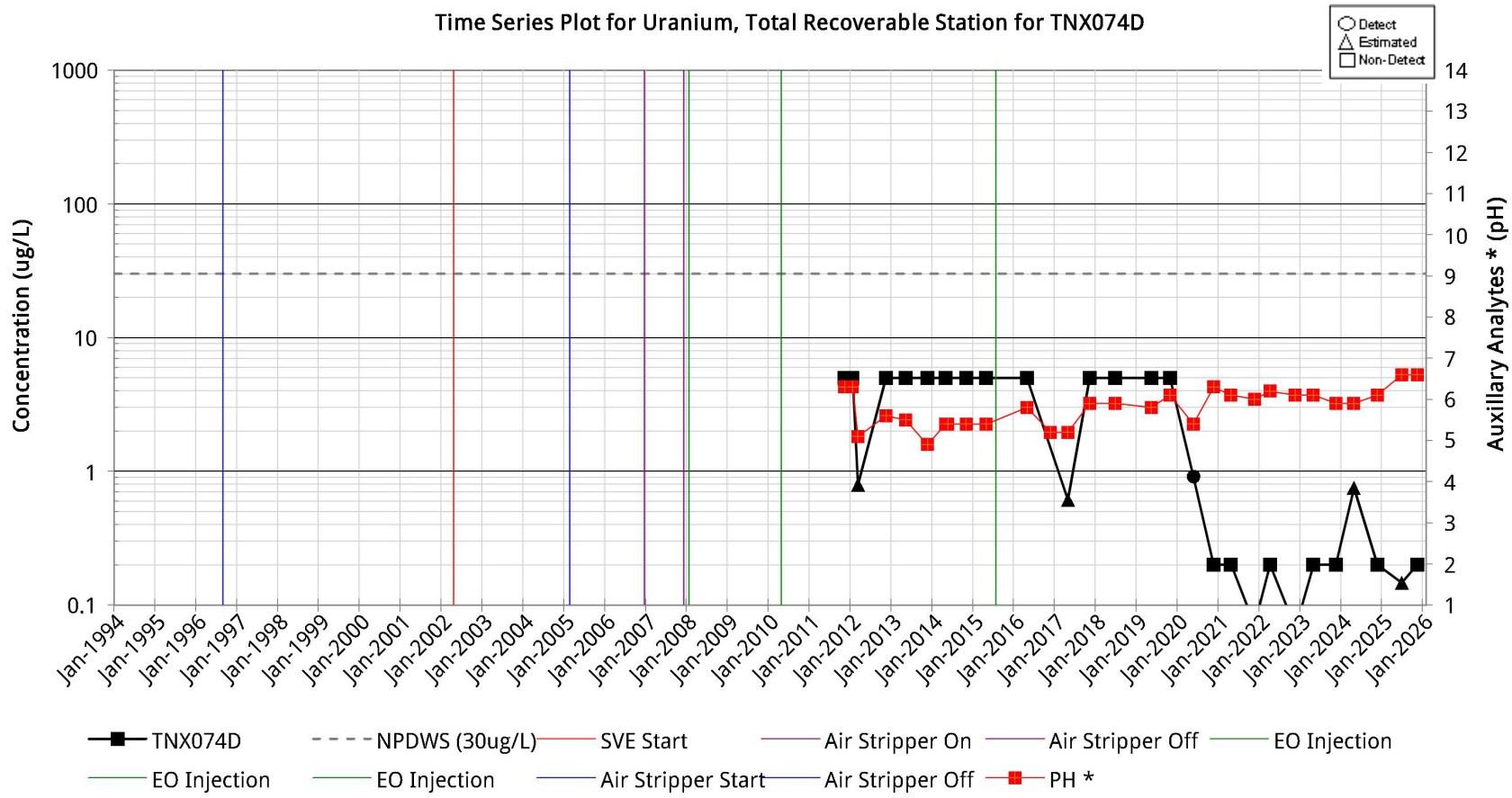
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX073D
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TNX074D
Detect
Estimated
Non-Detect
Concentration (ug/L)
Auxillary Analytes * (pH)
1000
100
10
1
0.1
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
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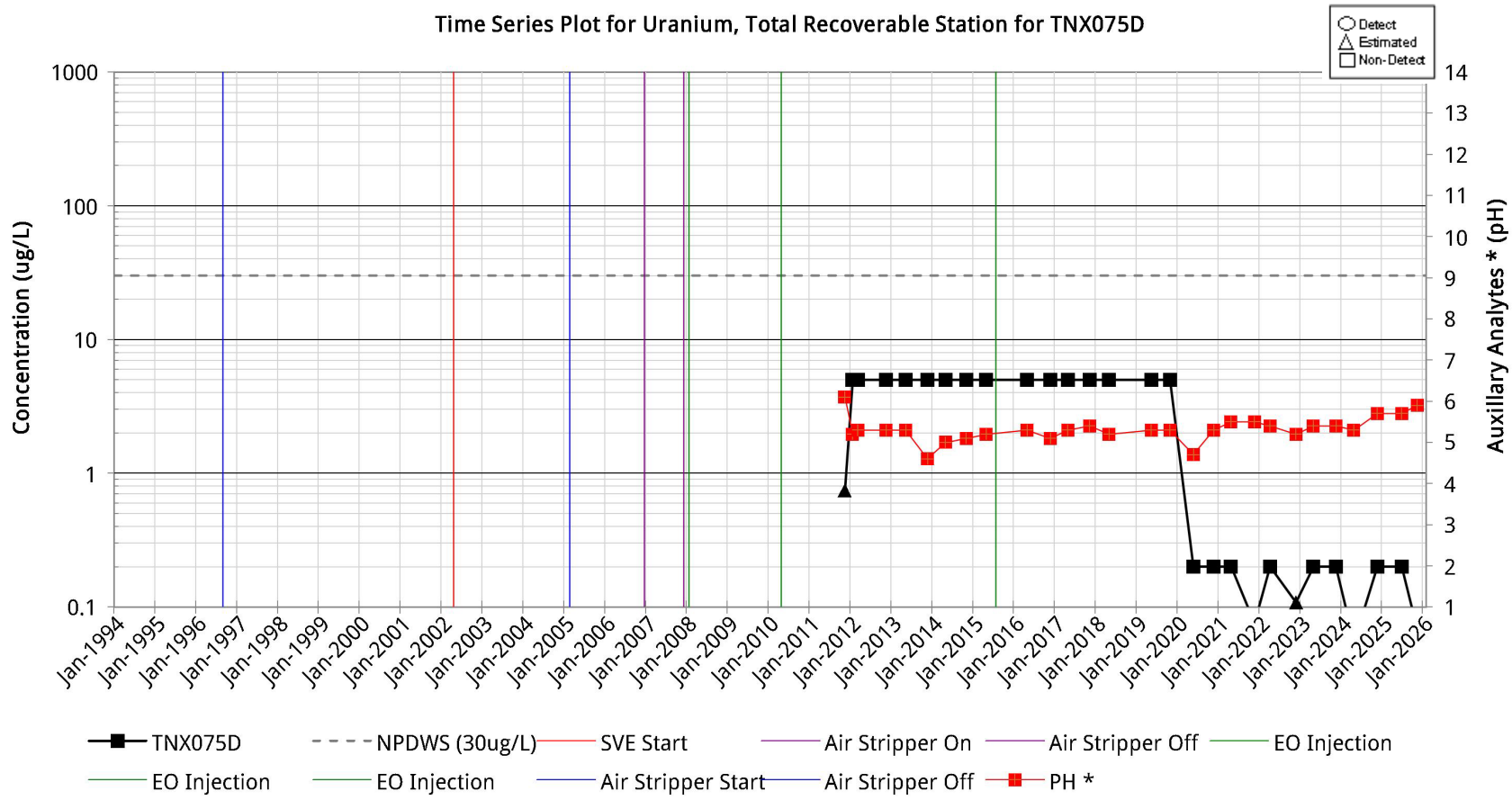
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX074D
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TNX075D
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
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Jan-2009
Jan-2010
Jan-2011
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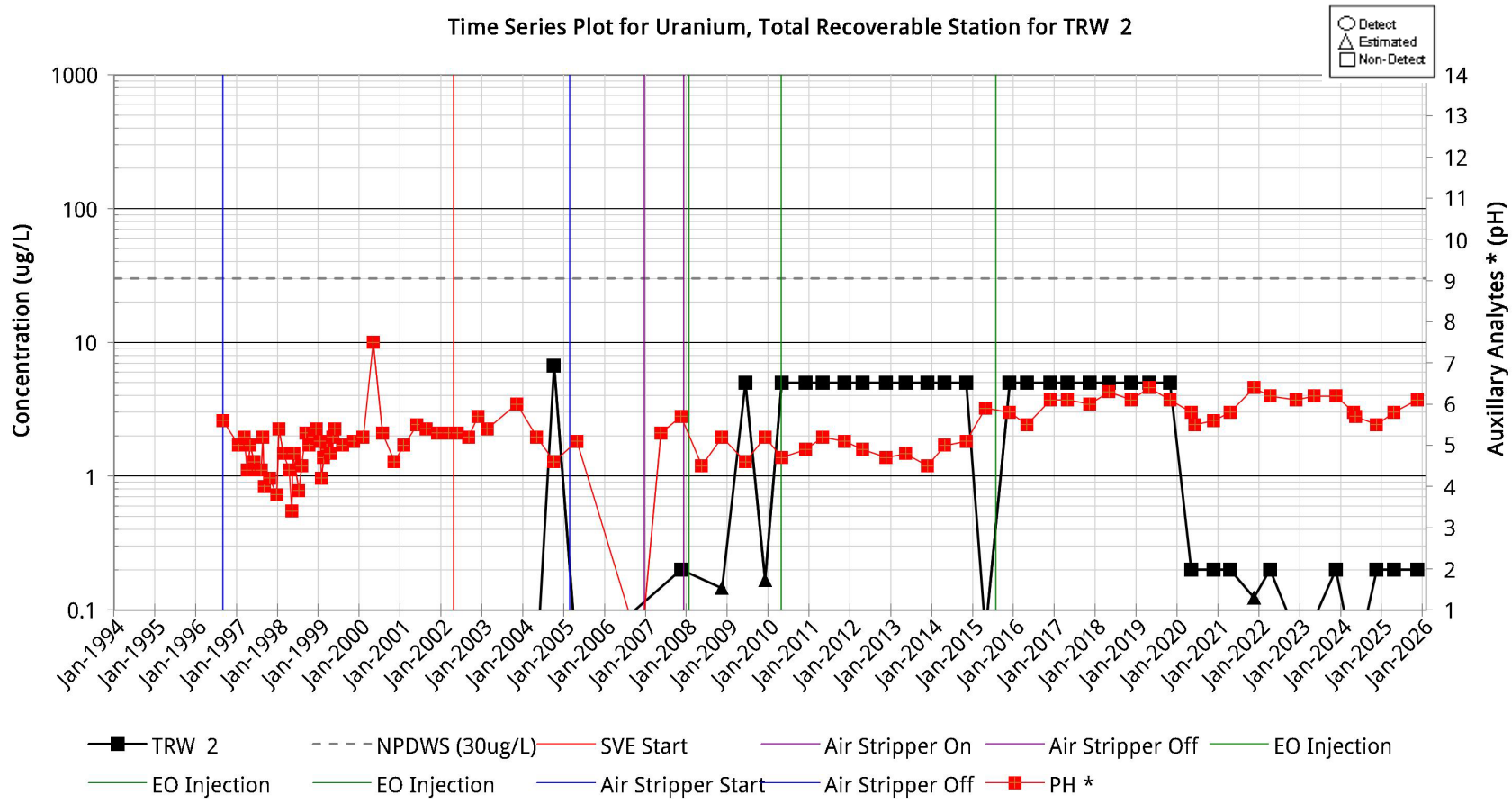
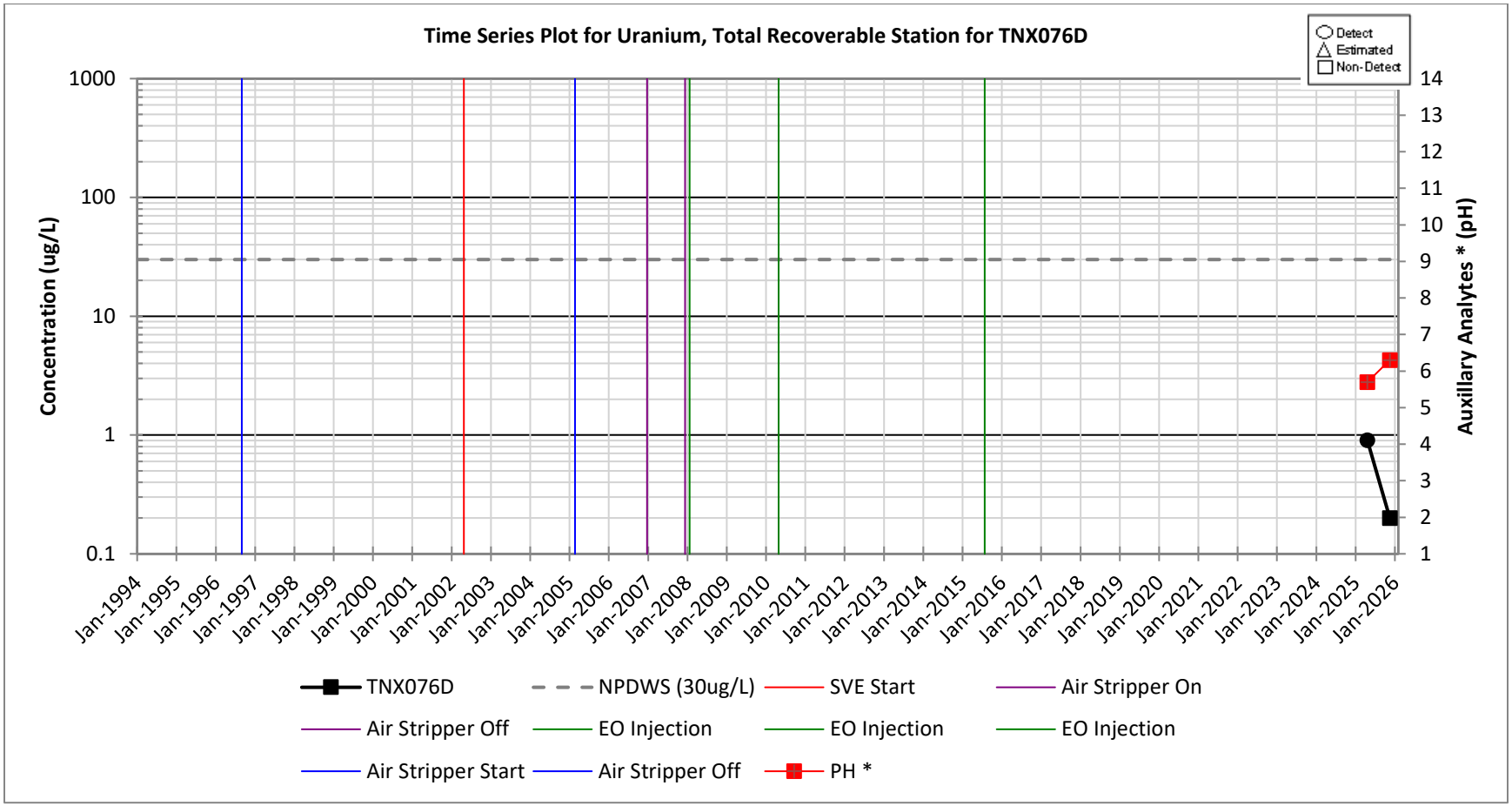
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX075D
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TRW 2
Detect
Estimated
Non-Detect
Concentration (ug/L)
Auxillary Analytes * (pH)
1000
100
10
1
0.1
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 2
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TNX076D
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
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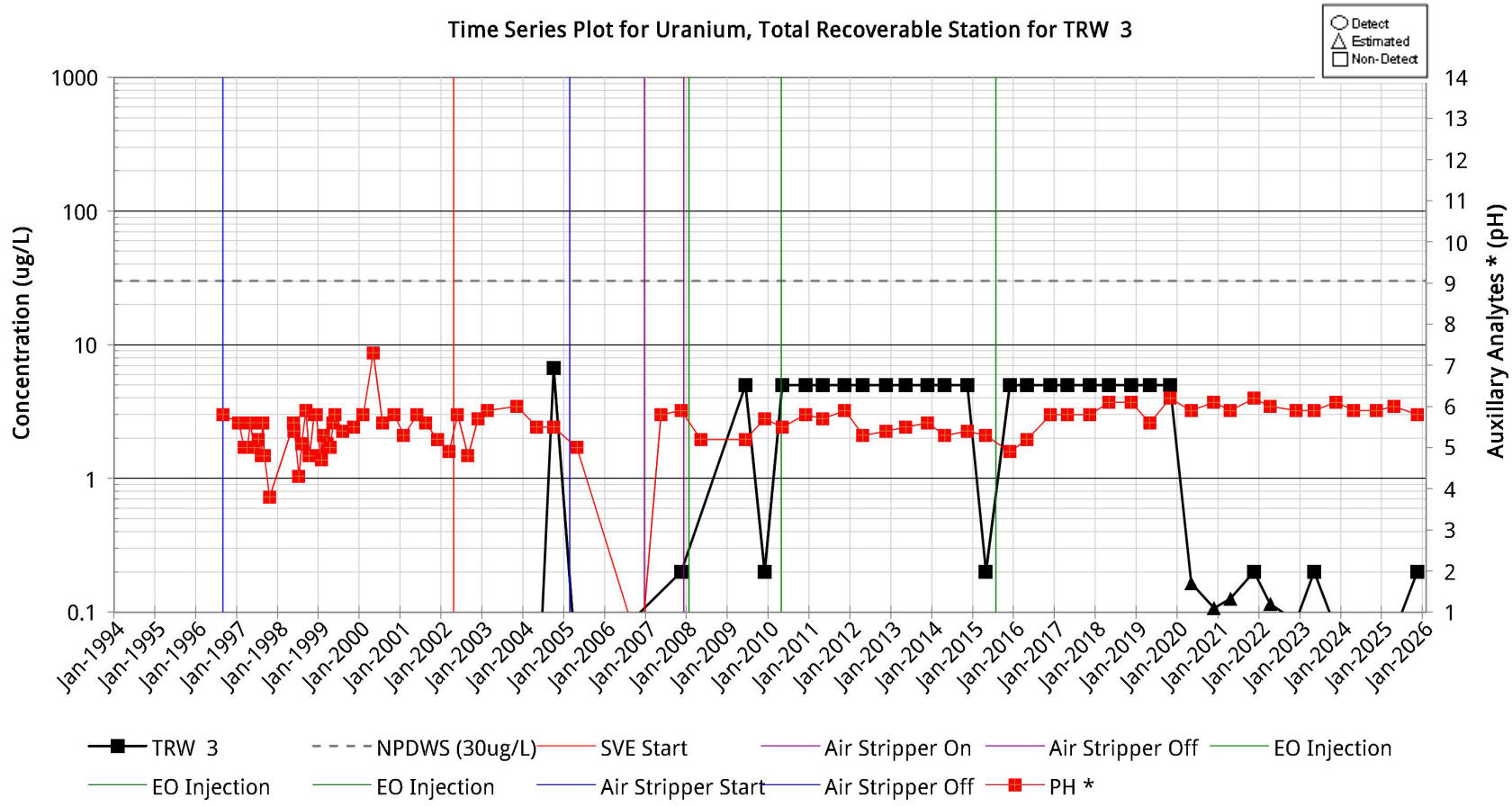
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TNX076D
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for TRW 3
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
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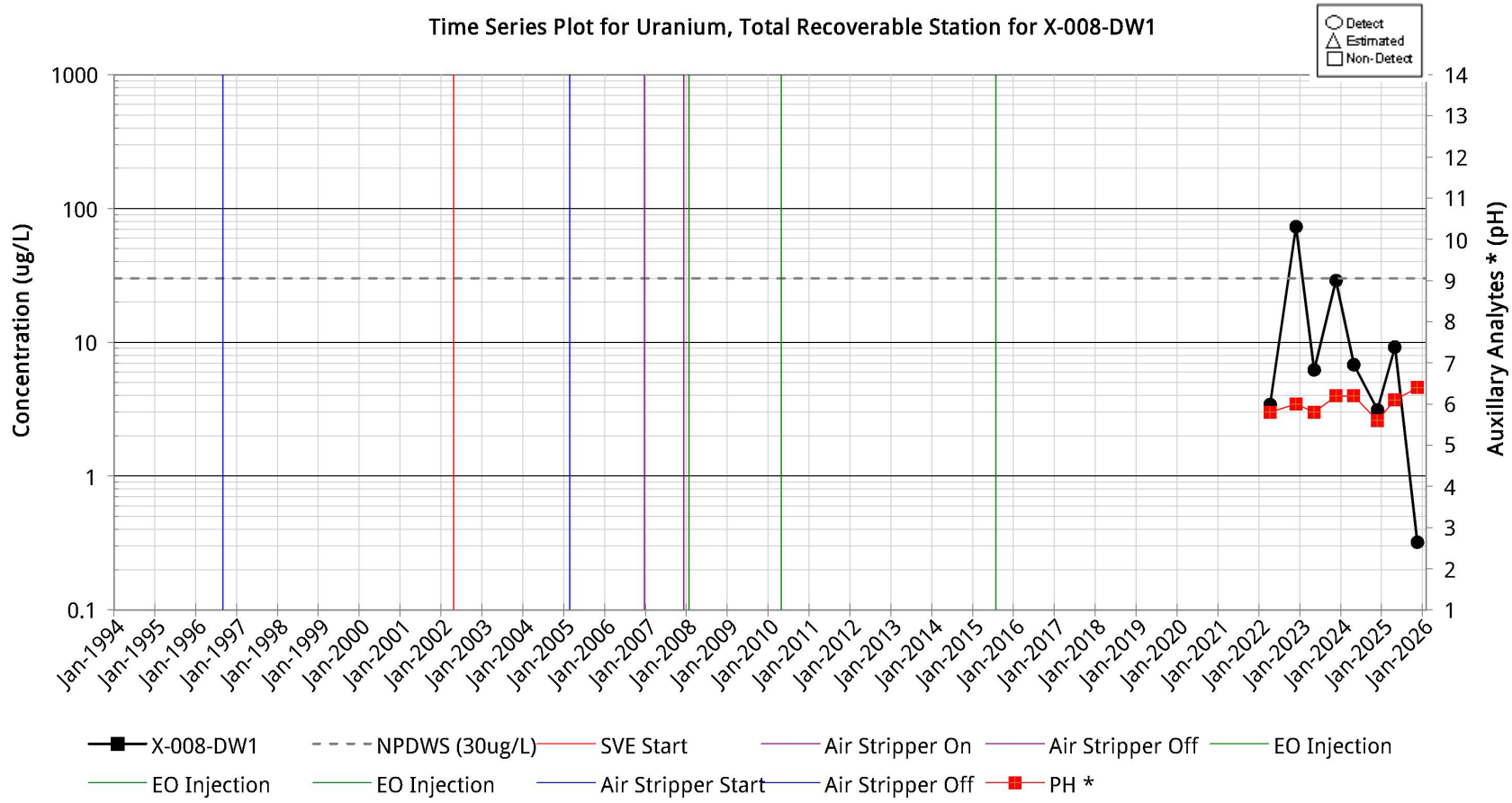
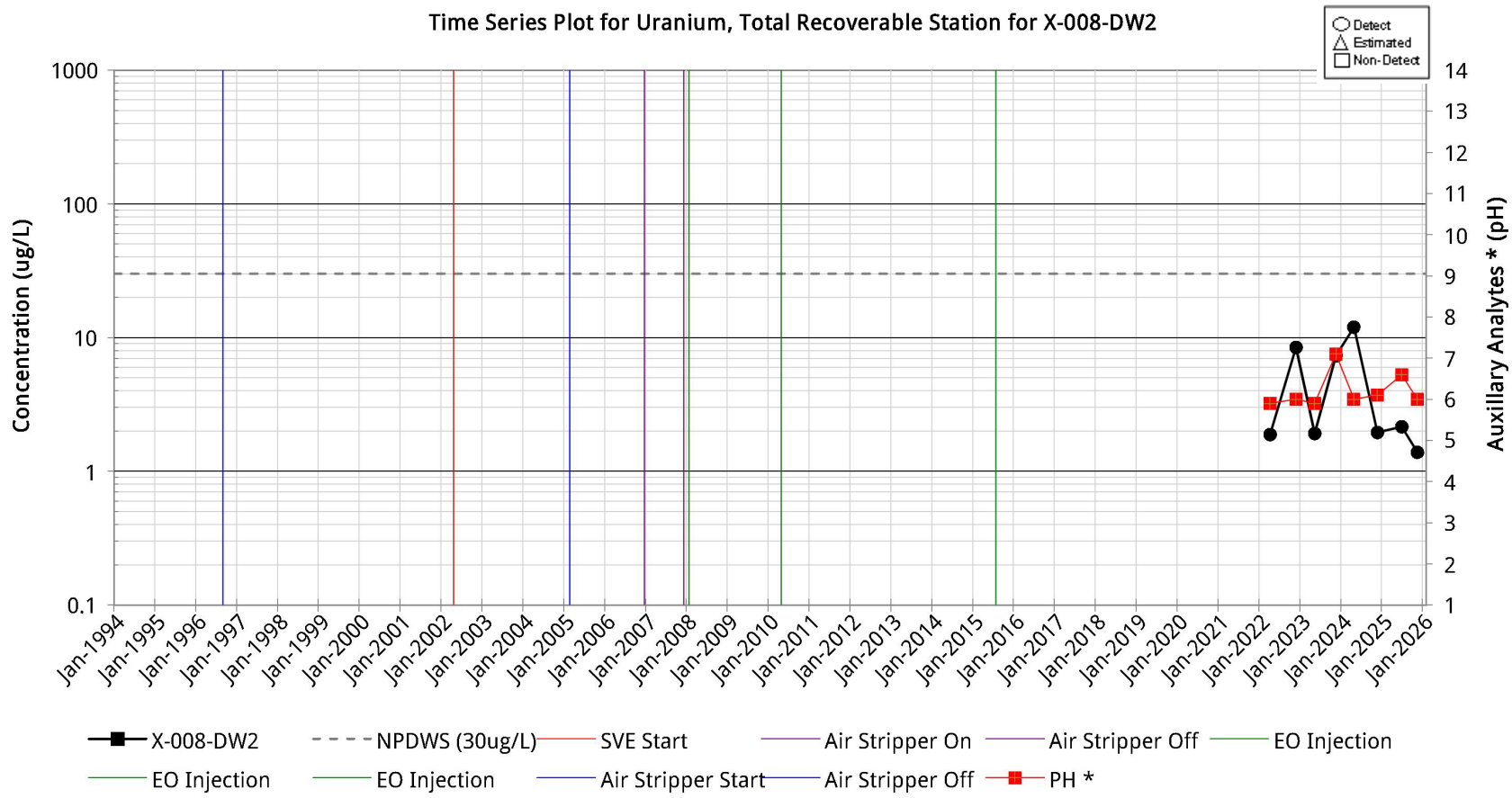
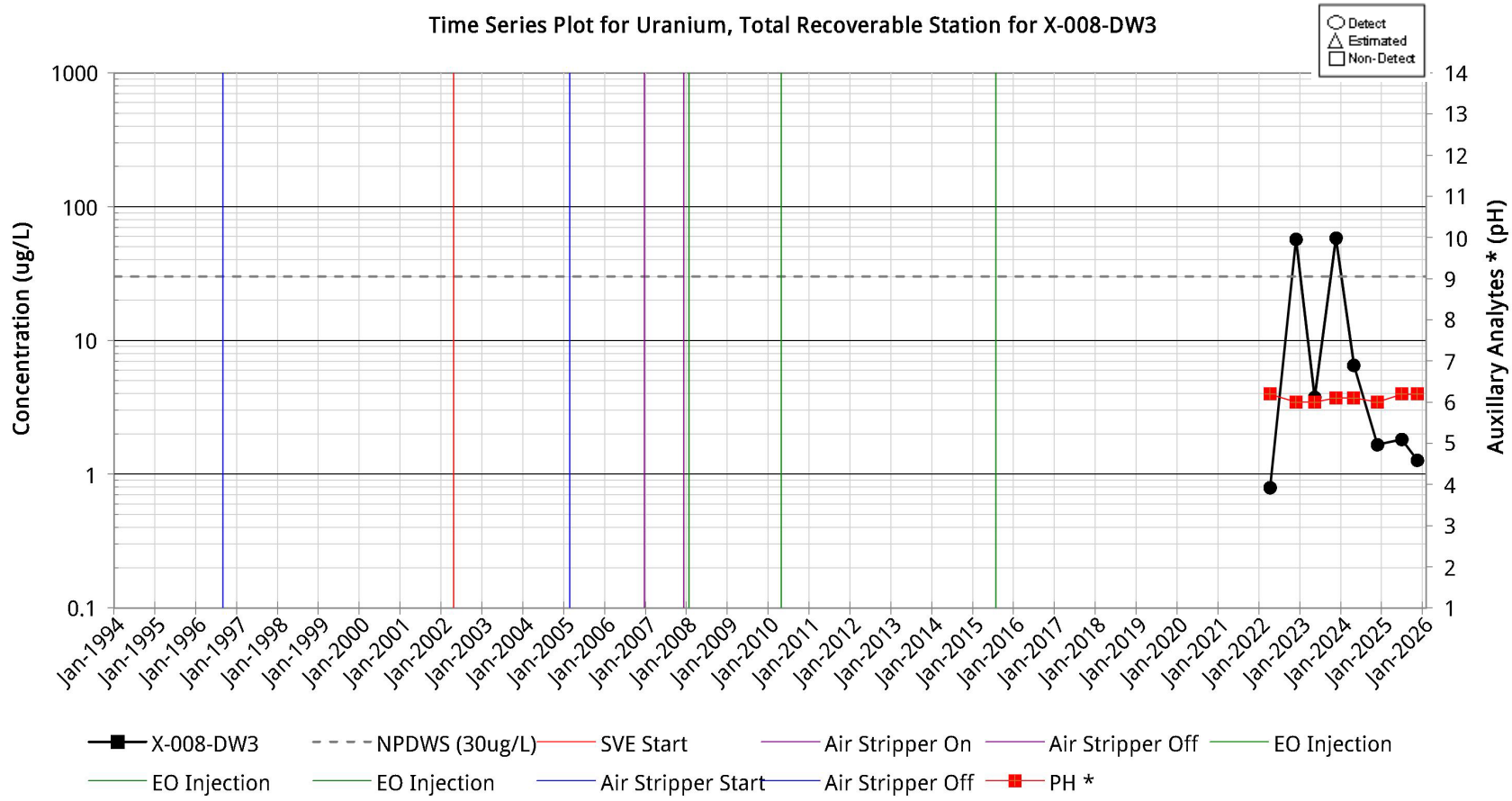
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
TRW 3
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for X-008-DW1
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
X-008-DW1
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for X-008-DW2
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
X-008-DW2
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for X-008-DW3
Detect
Estimated
Non-Detect
Concentration (ug/L)
1000
100
10
1
0.1
Auxillary Analytes * (pH)
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
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Jan-2004
Jan-2005
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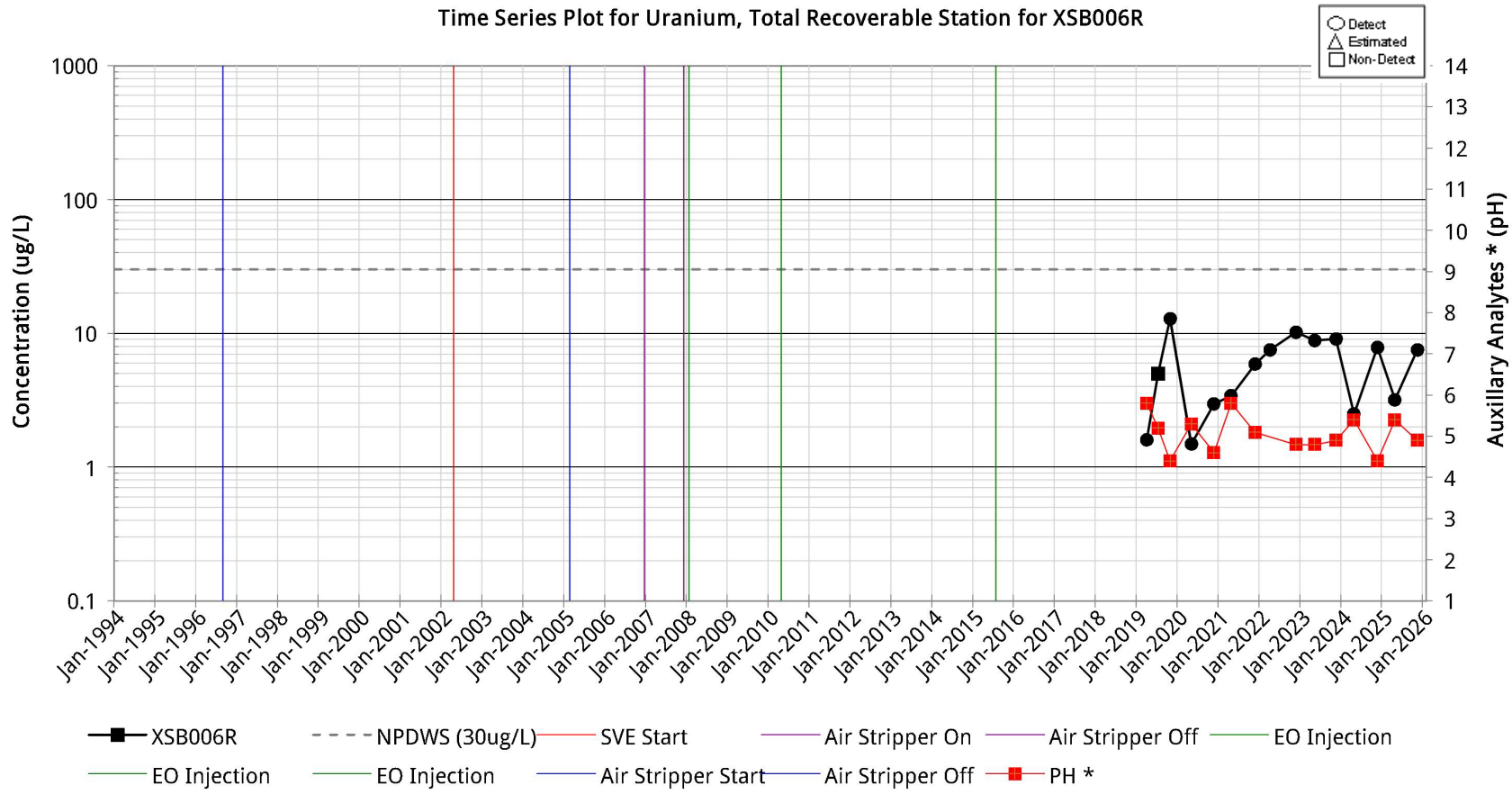
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
Jan-2014
Jan-2015
Jan-2016
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
X-008-DW3
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Uranium, Total Recoverable Station for XSB006R
Detect
Estimated
Non-Detect
Concentration (ug/L)
Auxillary Analytes * (pH)
1000
100
10
1
0.1
14
13
12
11
10
9
8
7
6
5
4
3
2
1
Jan-1994
Jan-1995
Jan-1996
Jan-1997
Jan-1998
Jan-1999
Jan-2000
Jan-2001
Jan-2002
Jan-2003
Jan-2004
Jan-2005
Jan-2006
Jan-2007
Jan-2008
Jan-2009
Jan-2010
Jan-2011
Jan-2012
Jan-2013
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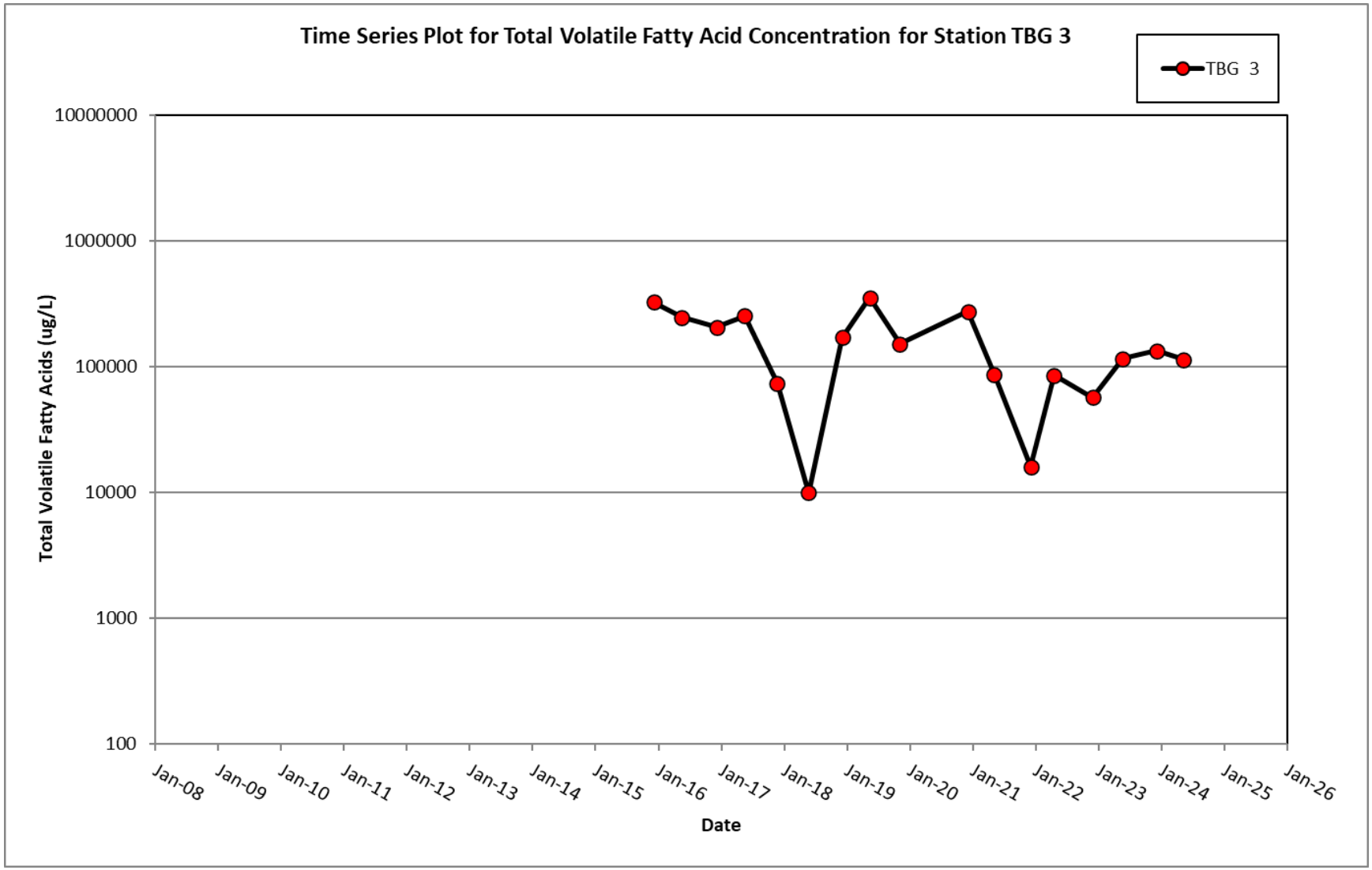
Jan-2017
Jan-2018
Jan-2019
Jan-2020
Jan-2021
Jan-2022
Jan-2023
Jan-2024
Jan-2025
Jan-2026
XSB006R
NPDWS (30ug/L)
SVE Start
Air Stripper On
Air Stripper Off
EO Injection
EO Injection
EO Injection
Air Stripper Start
Air Stripper Off
PH *


Time Series Plot for Total Volatile Fatty Acid Concentration for Station TBG 3
TBG 3
Total Volatile Fatty Acids (ug/L)
10000000
1000000
100000
10000
1000
100
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
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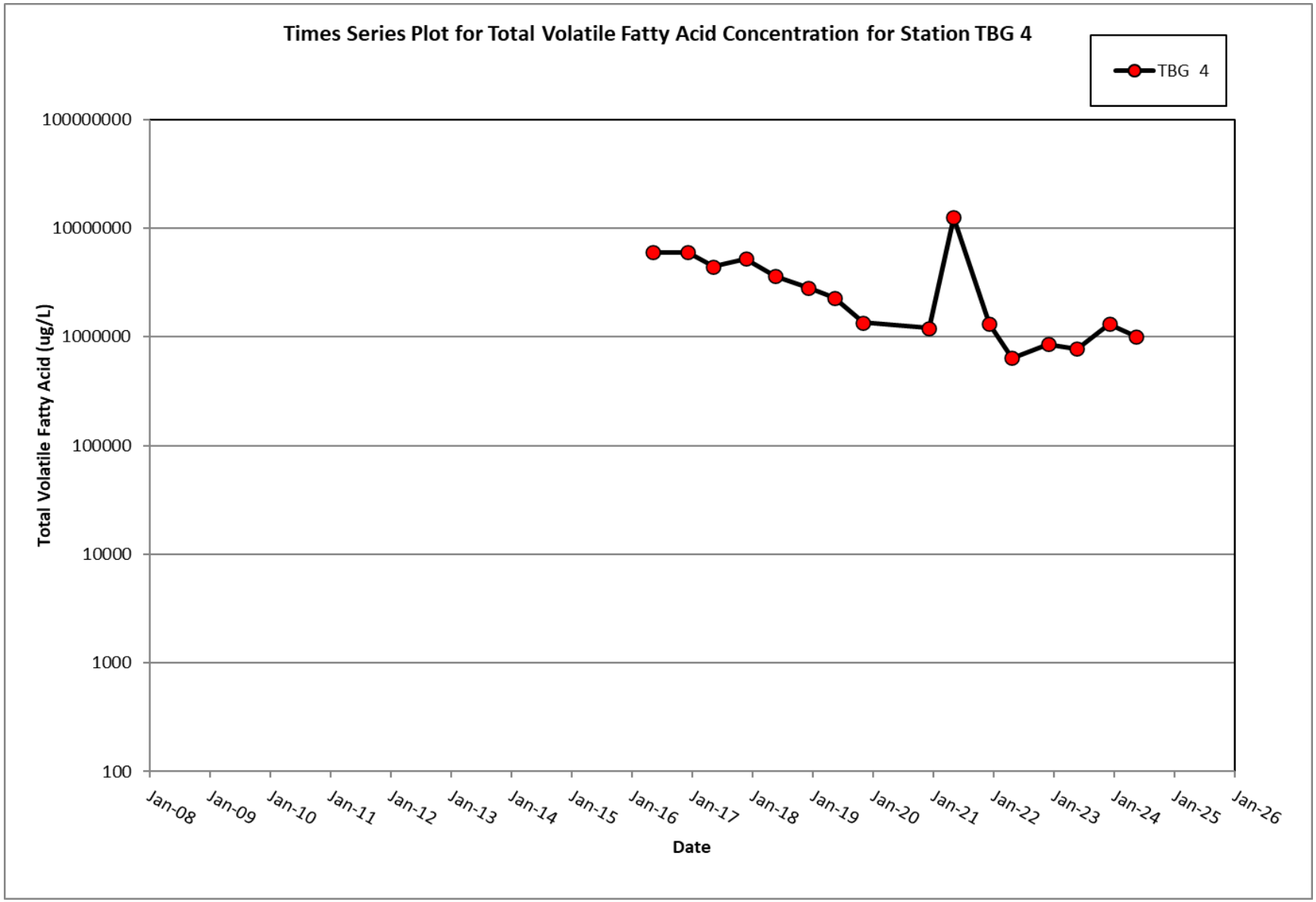
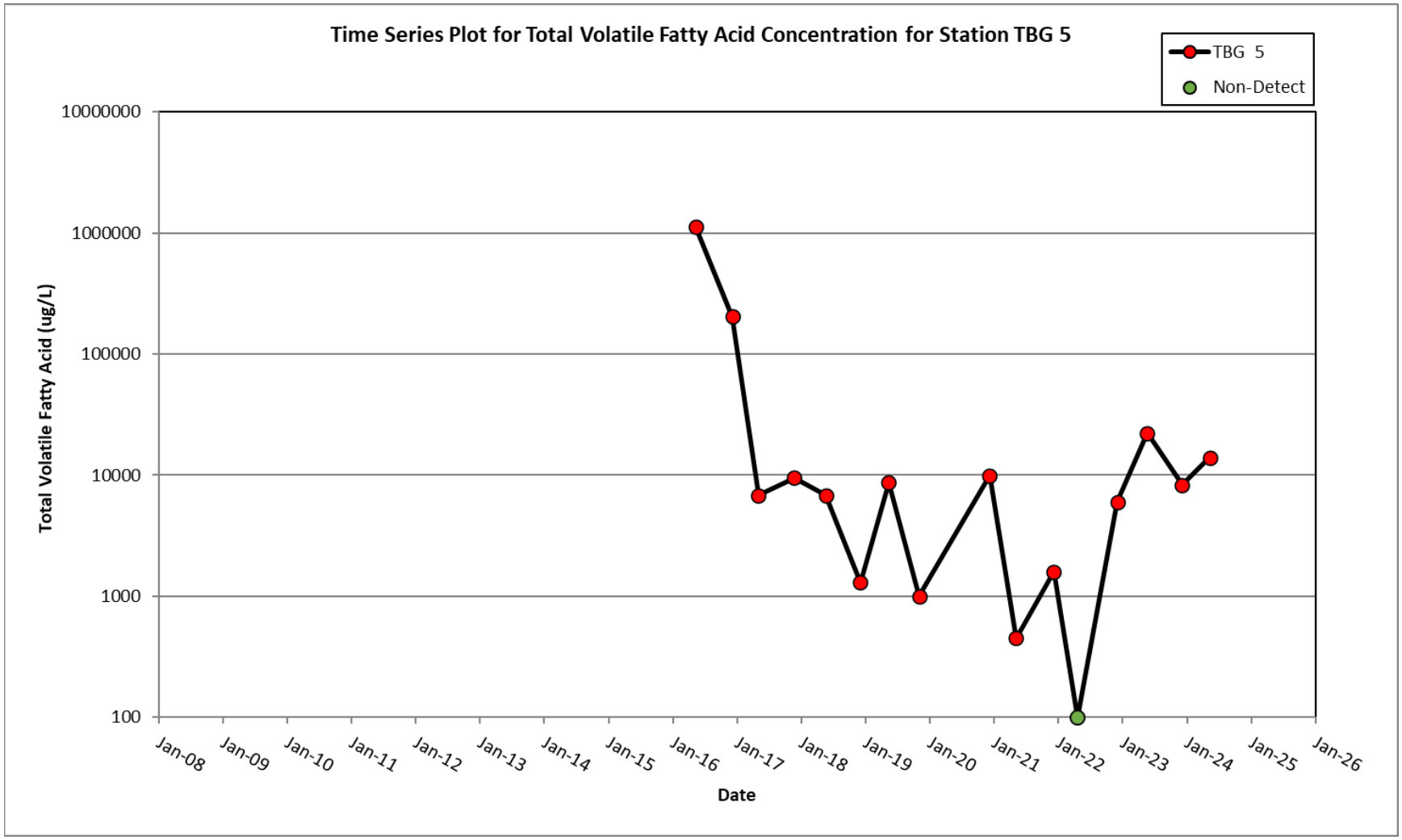
Jan-21
Jan-22
Jan-23
Jan-24
Jan-25
Jan-26
Date


Times Series Plot for Total Volatile Fatty Acid Concentration for Station TBG 4
TBG 4
Total Volatile Fatty Acid (ug/L)
100000000
10000000
1000000
100000
10000
1000
100
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
Jan-19
Jan-20
Jan-21
Jan-22
Jan-23
Jan-24
Jan-25
Jan-26
Date


Time Series Plot for Total Volatile Fatty Acid Concentration for Station TBG 5
TBG 5
Non-Detect
Total Volatile Fatty Acid (ug/L)
10000000
1000000
100000
10000
1000
100
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
Jan-13
Jan-14
Jan-15
Jan-16
Jan-17
Jan-18
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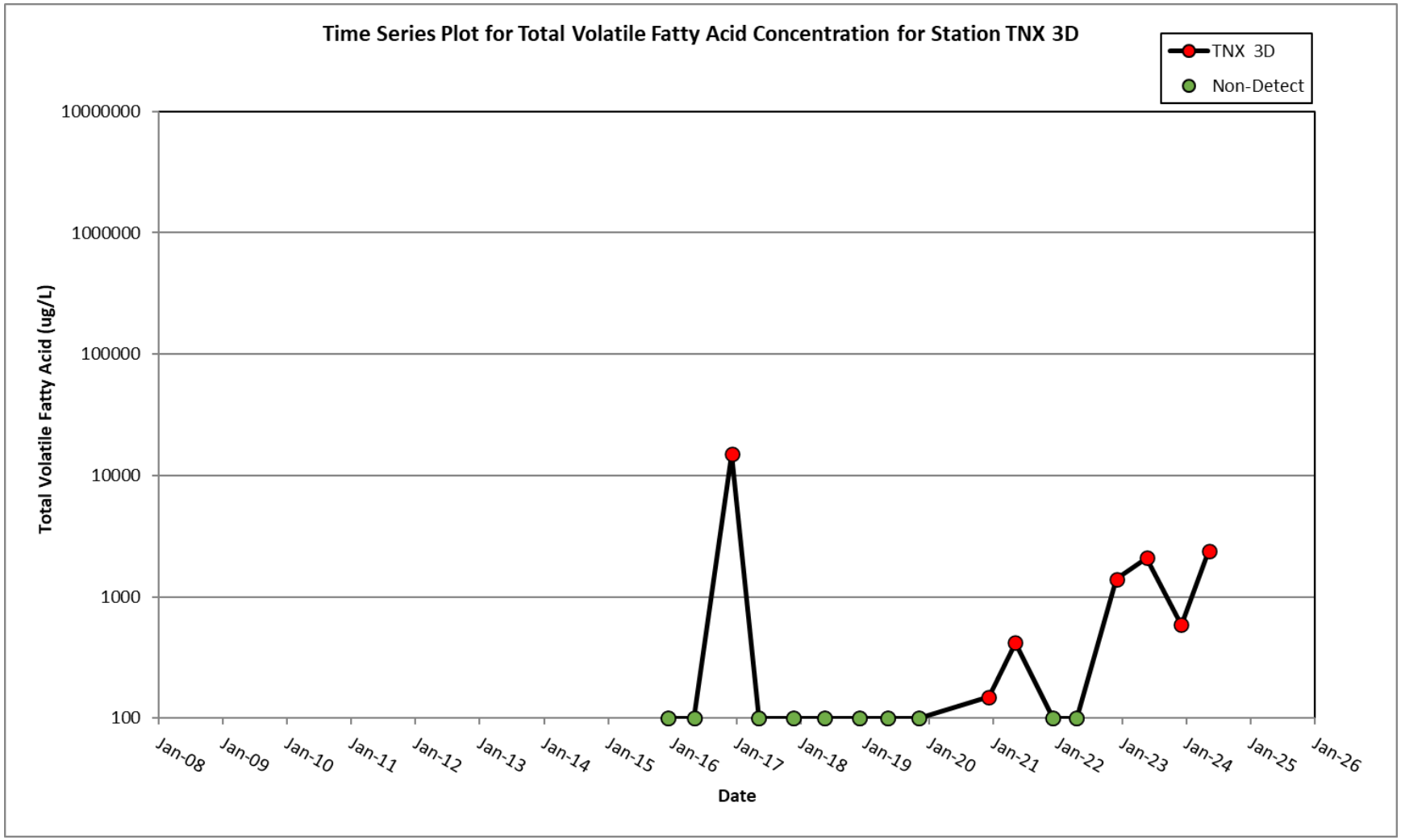
Date


Time Series Plot for Total Volatile Fatty Acid Concentration for Station TNX 3D
TNX 3D
Non-Detect
Total Volatile Fatty Acid (ug/L)
10000000
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Jan-08
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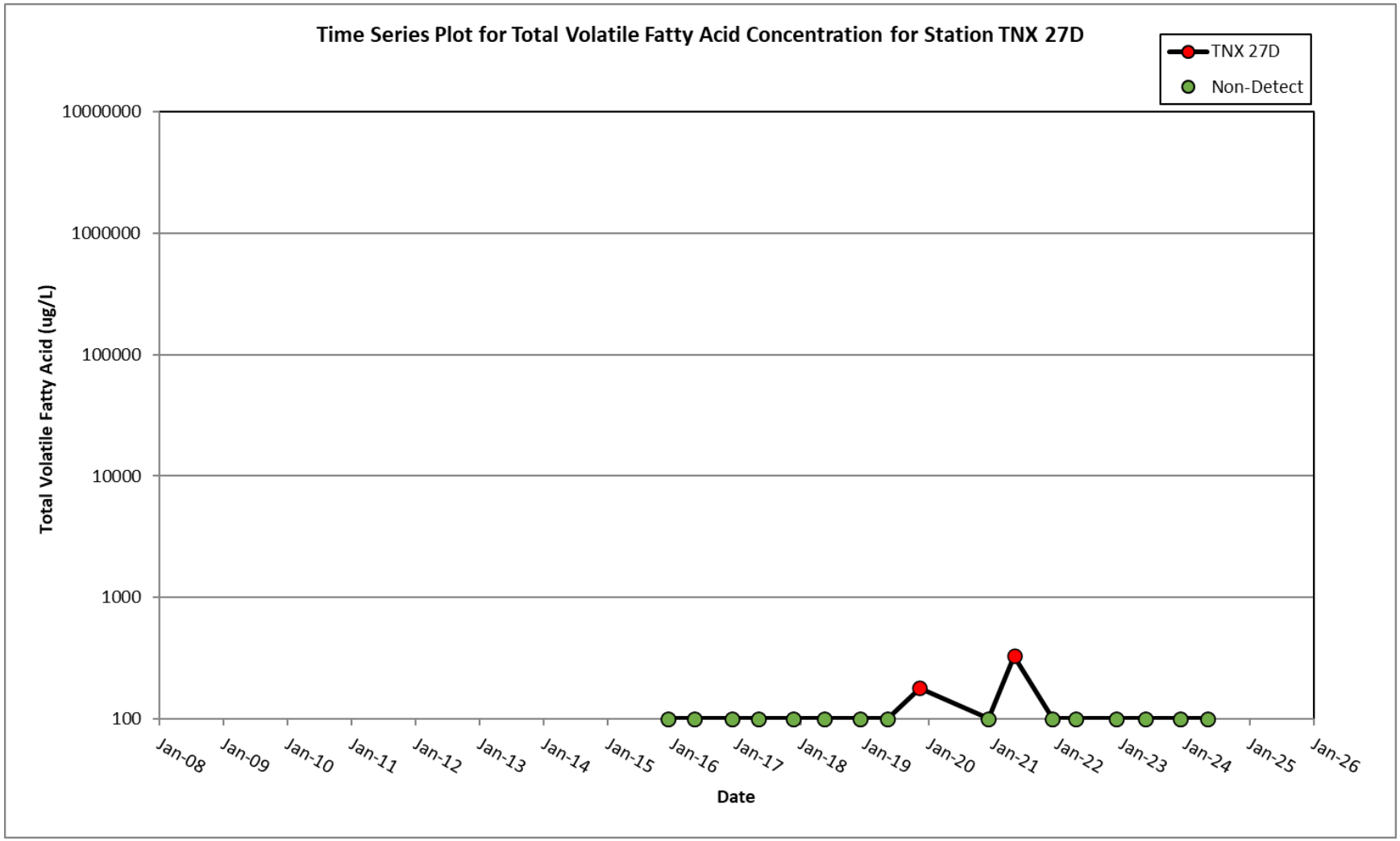
Date


Time Series Plot for Total Volatile Fatty Acid Concentration for Station TNX 27D
TNX 27D
Non-Detect
Total Volatile Fatty Acid (ug/L)
10000000
1000000
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1000
100
Jan-08
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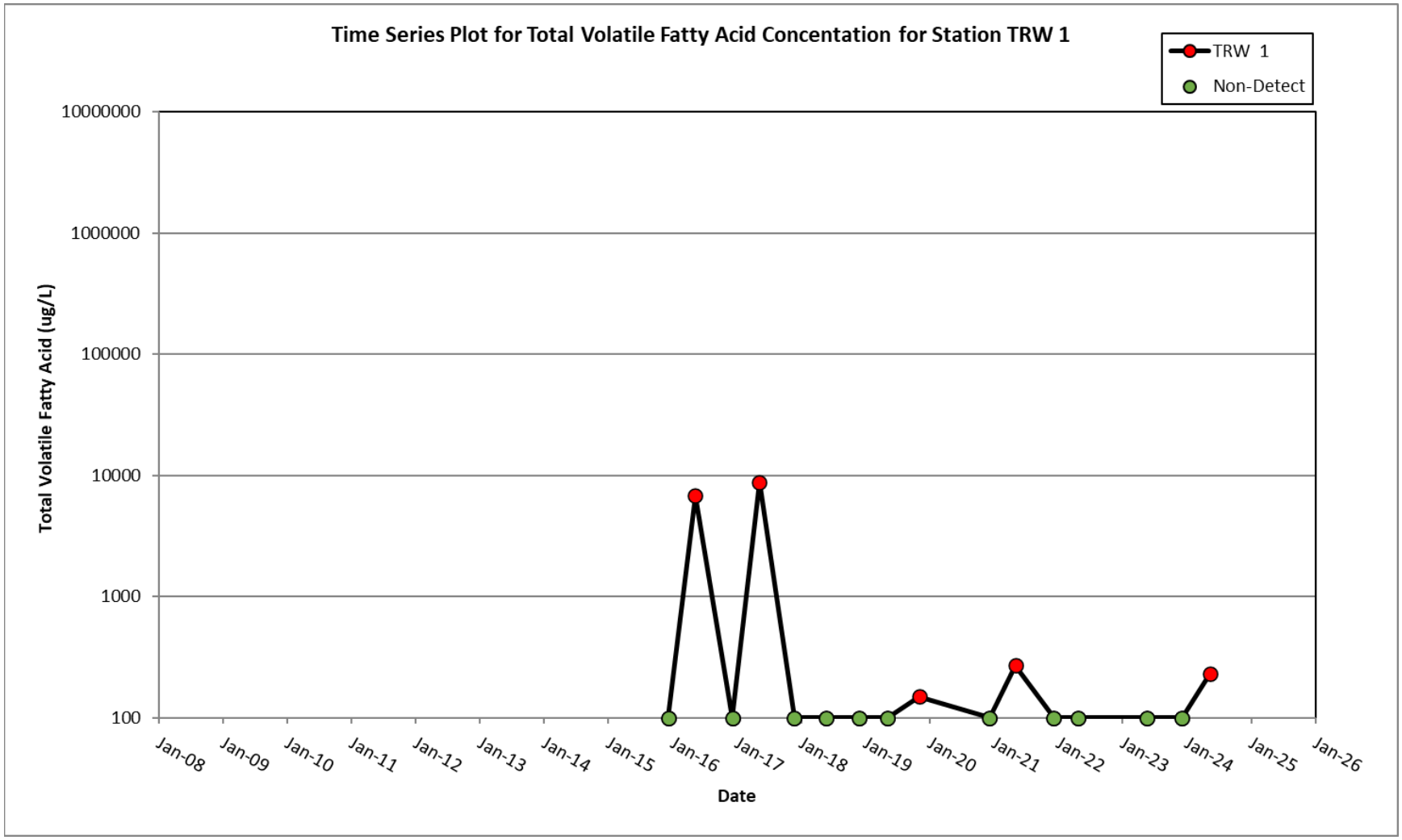
Date


Time Series Plot for Total Volatile Fatty Acid Concentation for Station TRW 1
TRW 1
Non-Detect
Total Volatile Fatty Acid (ug/L)
10000000
1000000
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Jan-08
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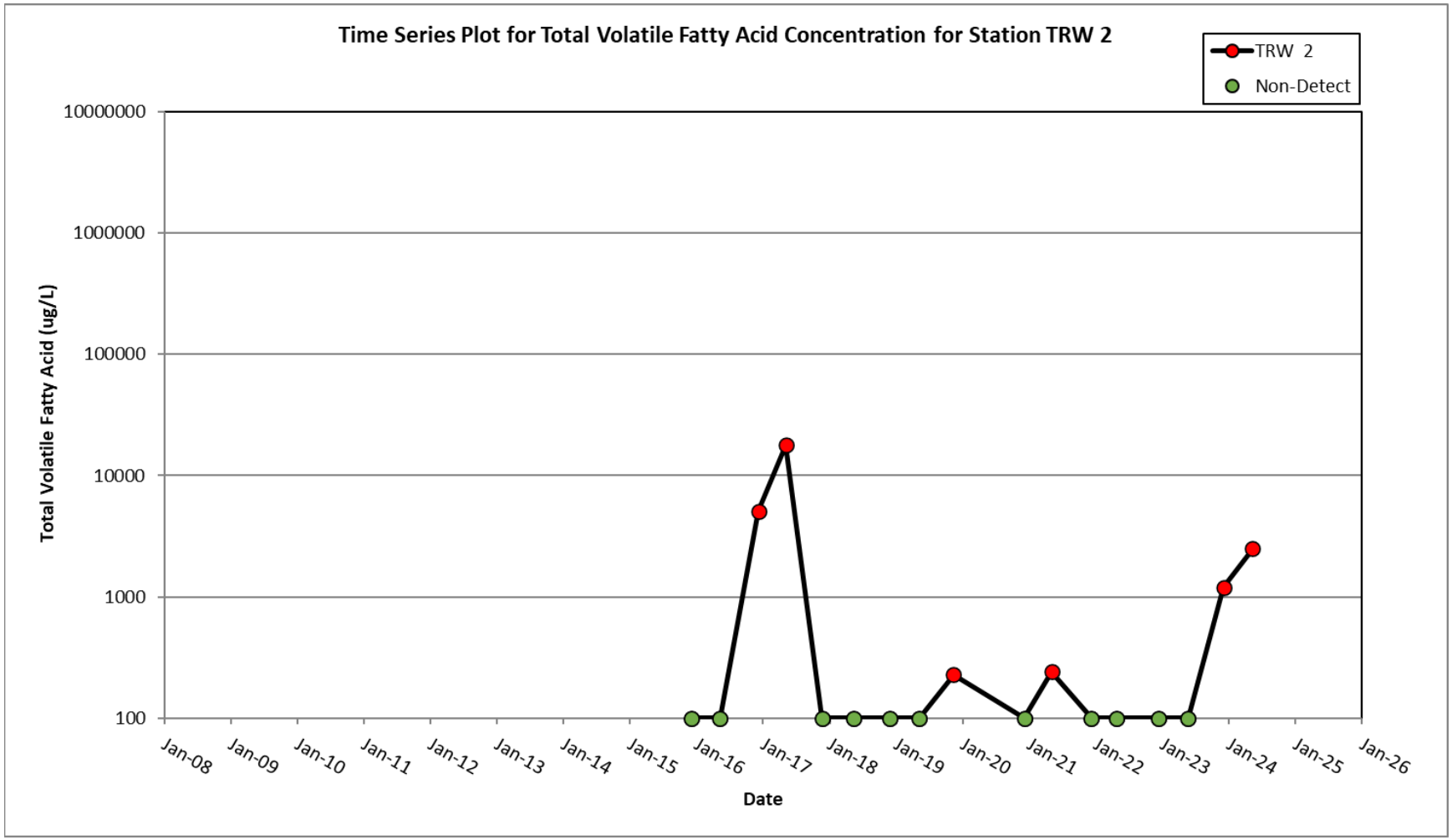
Date


Time Series Plot for Total Volatile Fatty Acid Concentration for Station TRW 2
TRW 2
Non-Detect
Total Volatile Fatty Acid (ug/L)
10000000
1000000
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100
Jan-08
Jan-09
Jan-10
Jan-11
Jan-12
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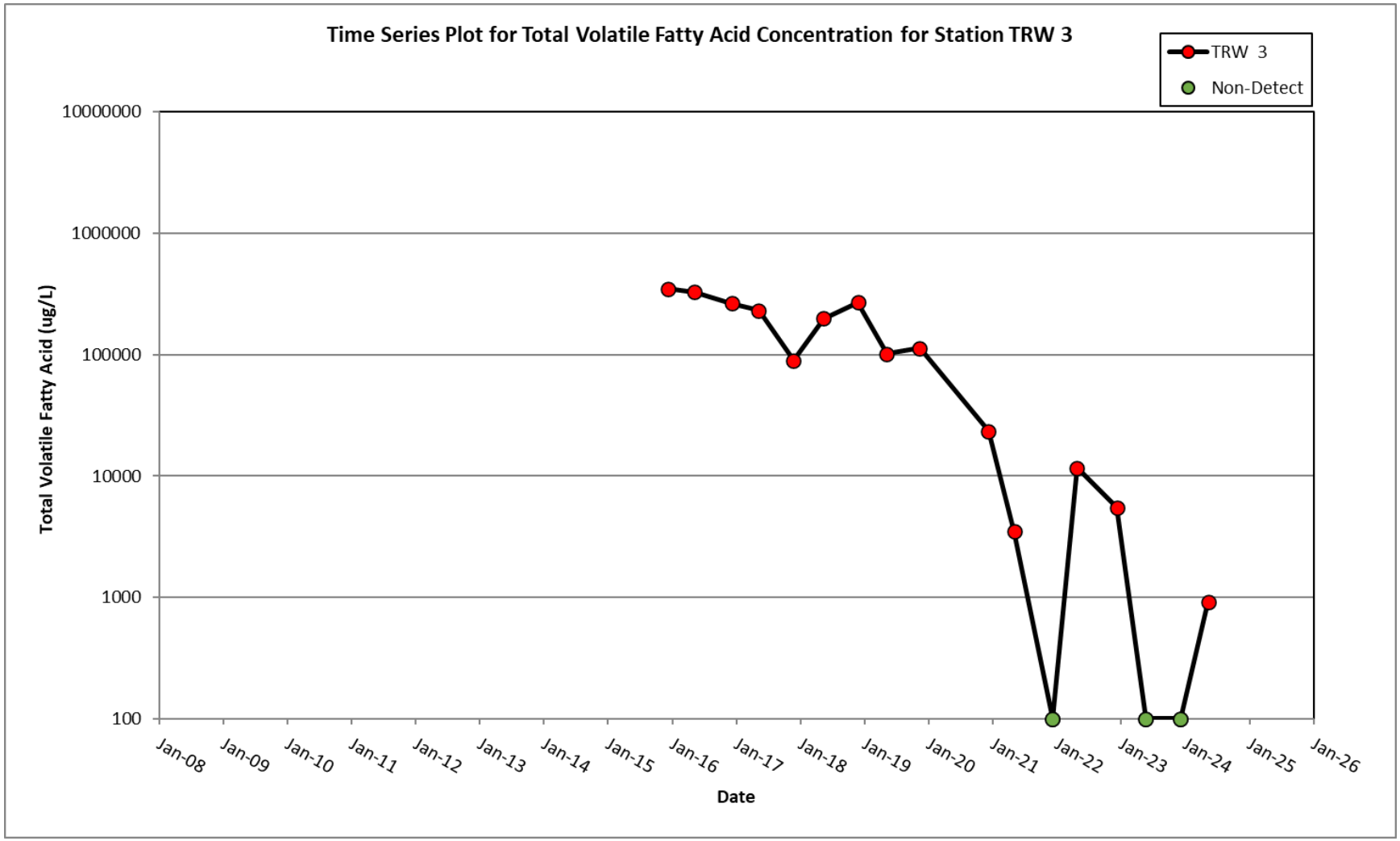
Date


Time Series Plot for Total Volatile Fatty Acid Concentration for Station TRW 3
TRW 3
Non-Detect
Total Volatile Fatty Acid (ug/L)
10000000
1000000
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100
Jan-08
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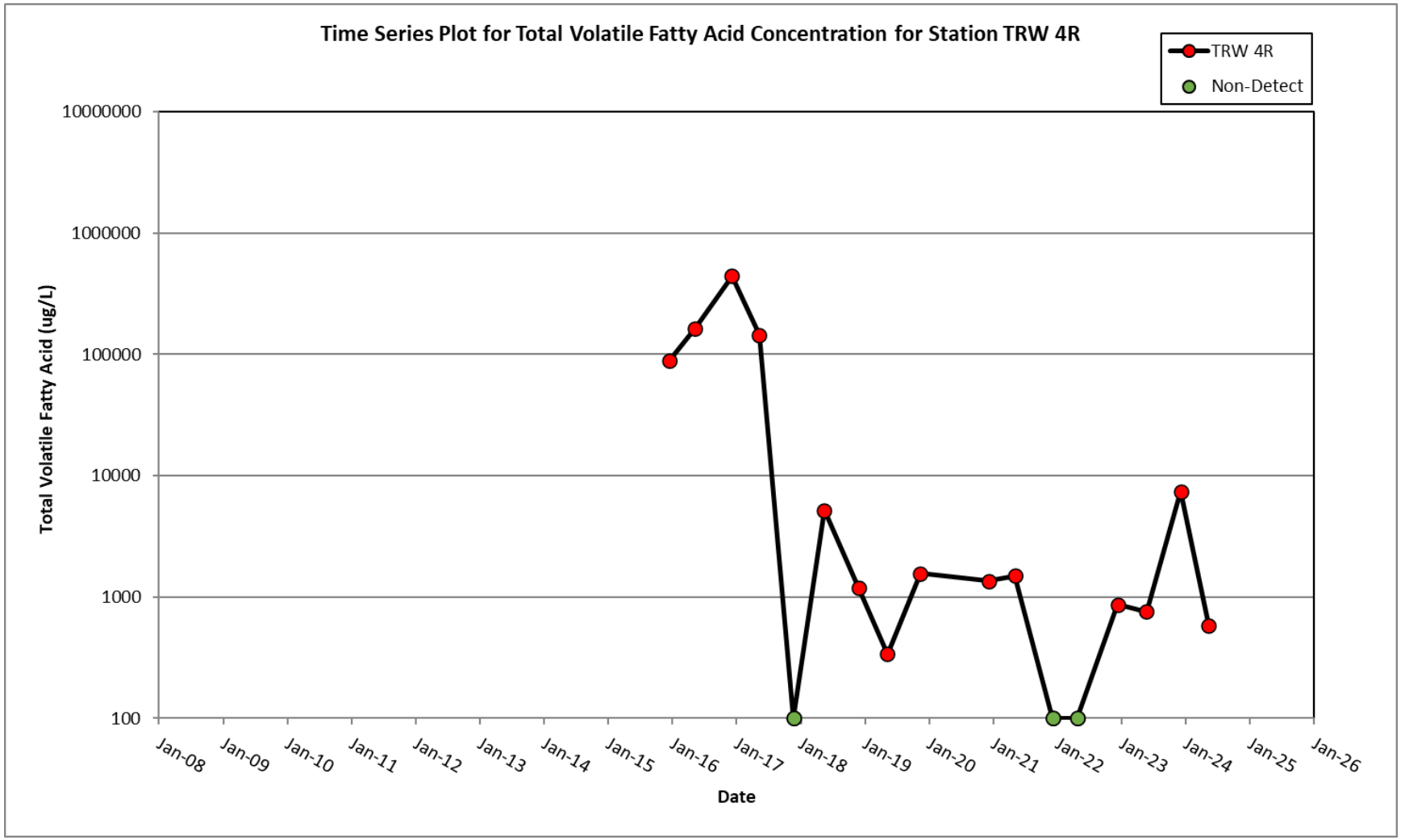
Date


Time Series Plot for Total Volatile Fatty Acid Concentration for Station TRW 4R
TRW 4R
Non-Detect
Total Volatile Fatty Acid (ug/L)
10000000
1000000
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Jan-08
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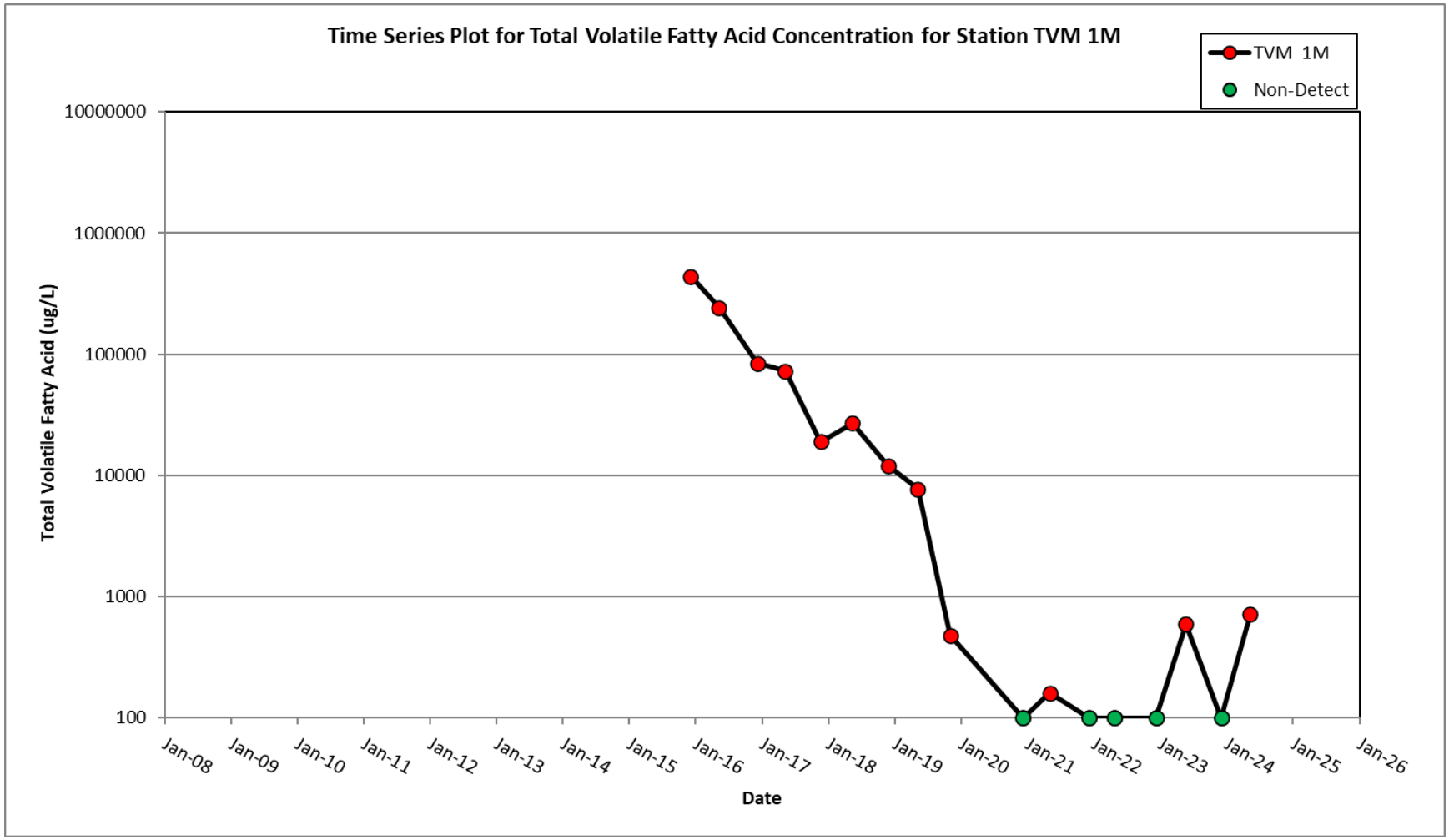
Date


Time Series Plot for Total Volatile Fatty Acid Concentration for Station TVM 1M
TVM 1M
Non-Detect
Total Volatile Fatty Acid (ug/L)
10000000
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100
Jan-08
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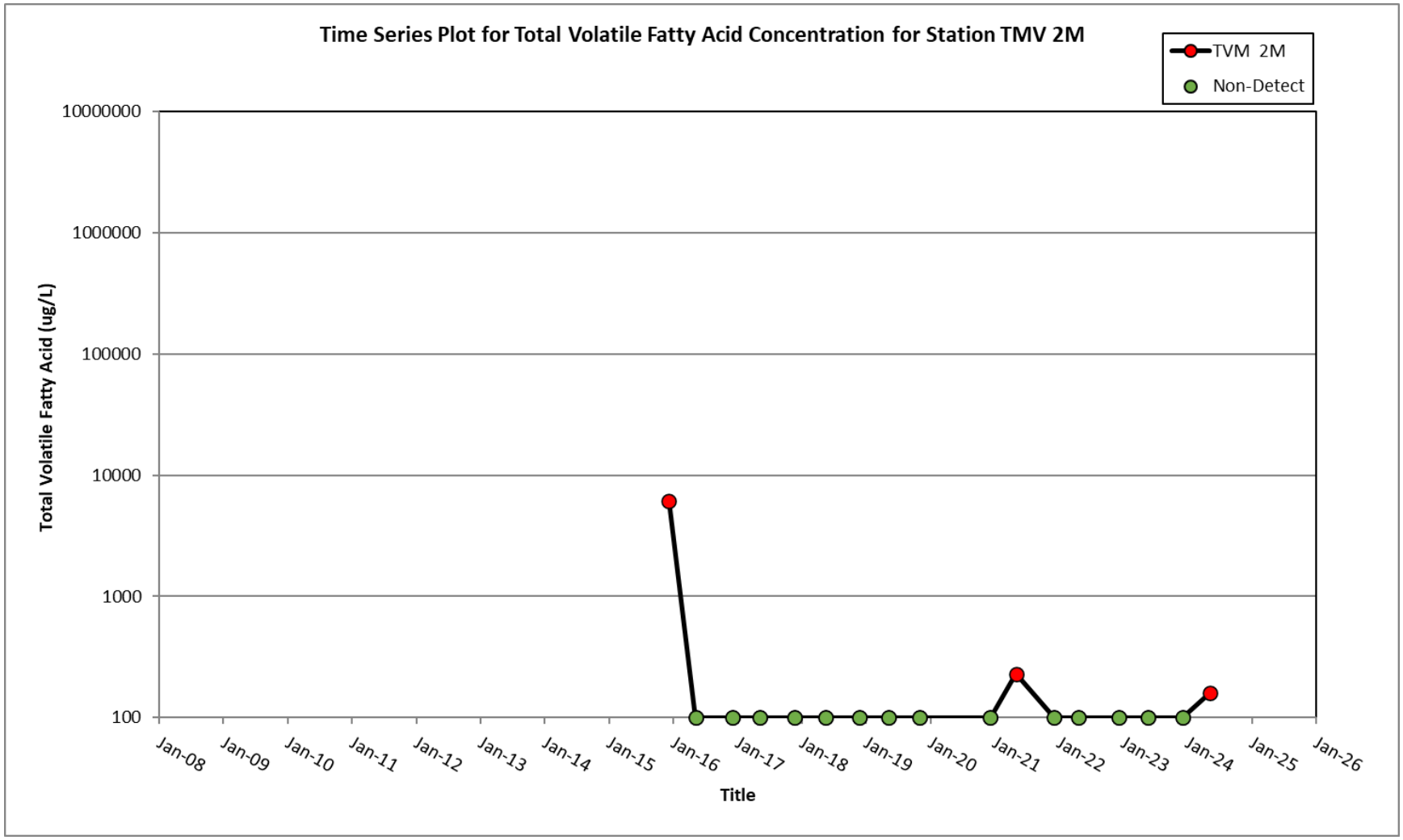
Date


Time Series Plot for Total Volatile Fatty Acid Concentration for Station TMV 2M
TVM 2M
Non-Detect
Total Volatile Fatty Acid (ug/L)
10000000
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100
Jan-08
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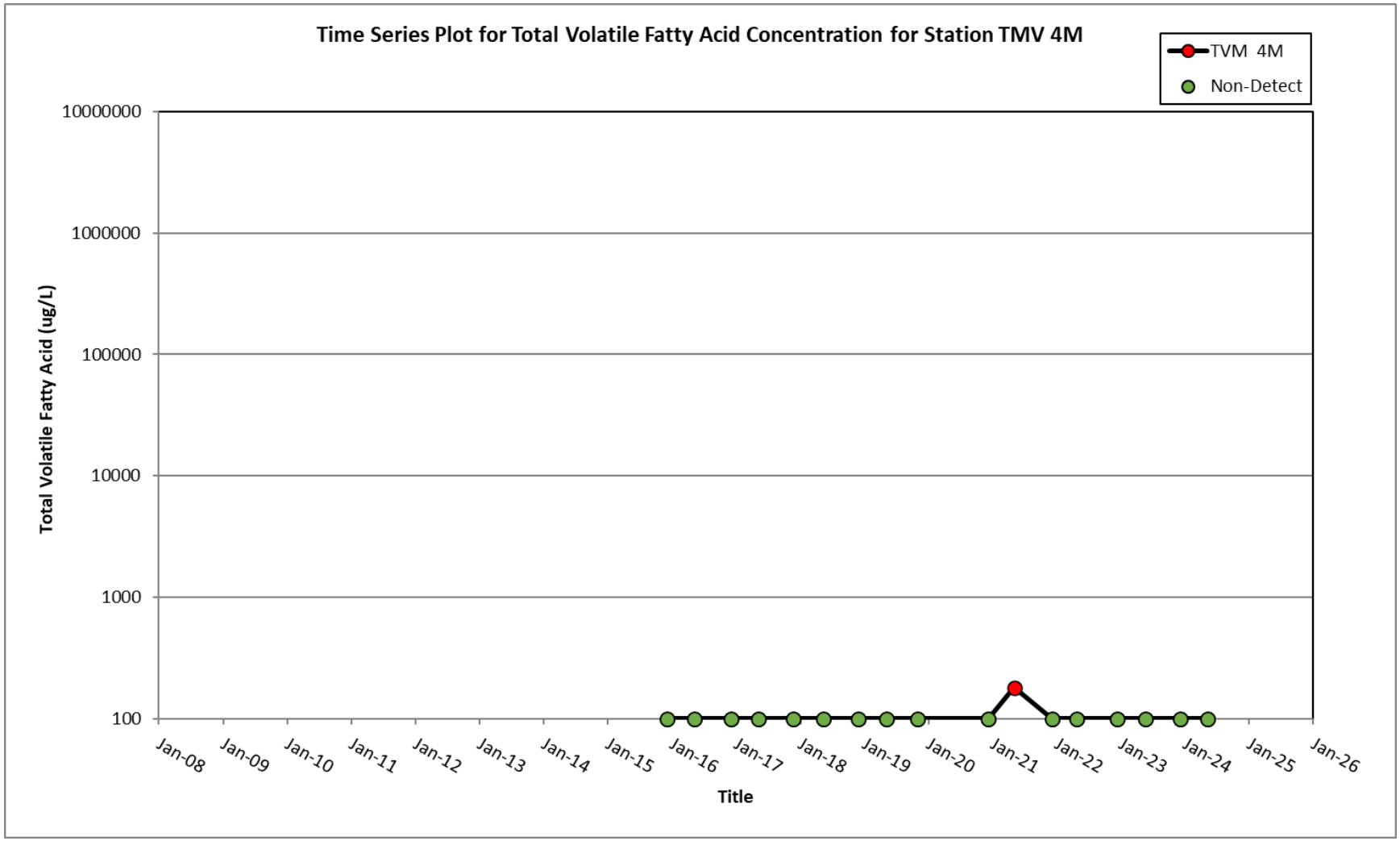
Time Series Plot for Total Volatile Fatty Acid Concentration for Station TMV 4M
TVM 4M
Non-Detect
Total Volatile Fatty Acid (ug/L)
10000000
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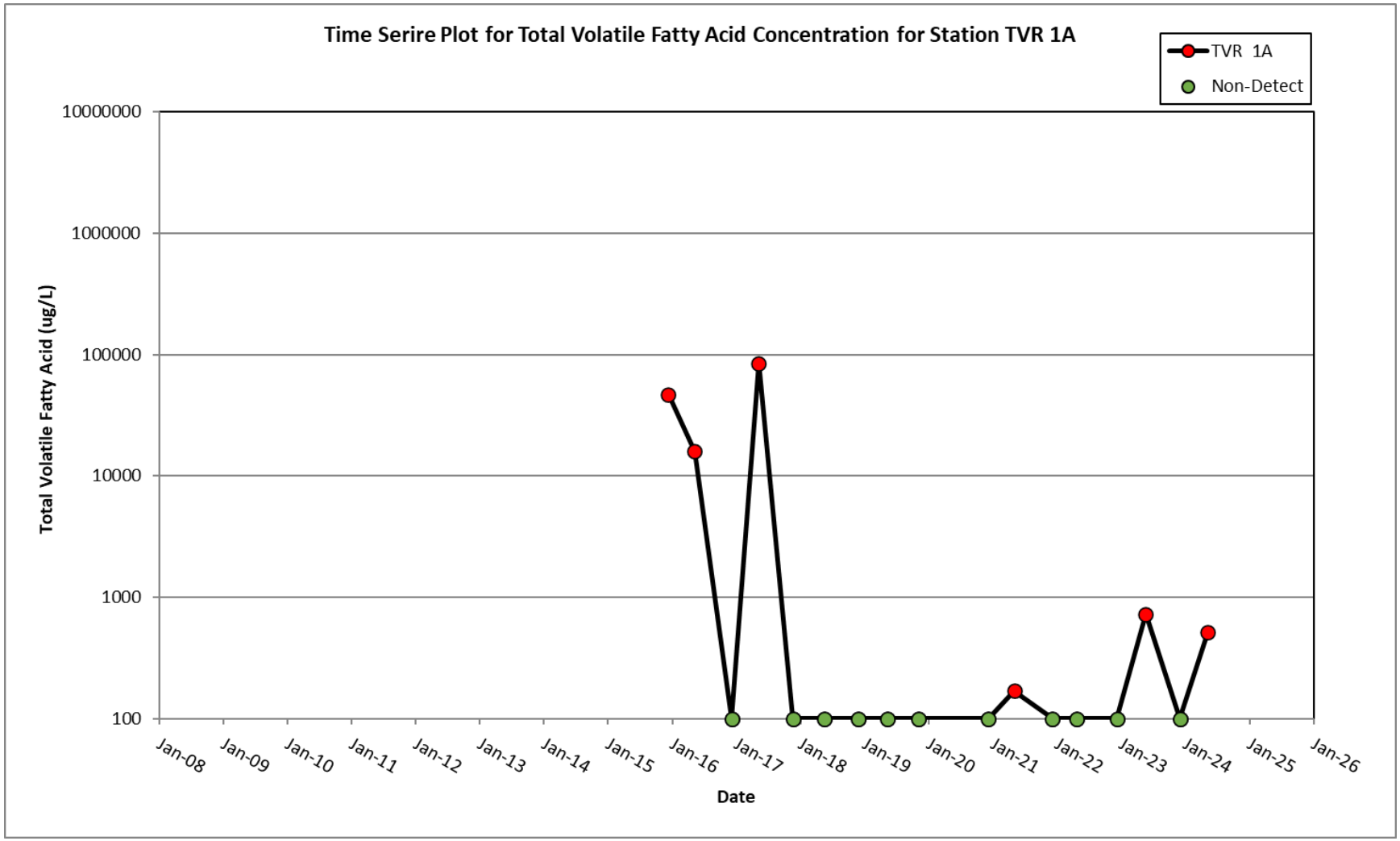
Title


Time Serire Plot for Total Volatile Fatty Acid Concentration for Station TVR 1A
TVR 1A
Non-Detect
Total Volatile Fatty Acid (ug/L)
10000000
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Date