



Effectiveness Monitoring Report (EMR) for the C-Area Groundwater (CAGW) Operable Unit Removal Action (U)

July 2020 through June 2021

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LIST OF ABBREVIATIONS AND ACRONYMS

4Q20	Fourth quarter of 2020
CAGW	C-Area Groundwater
CBRP	C-Area Burning/Rubble Pit
cis-1,2-DCE	cis-1,2-dichloroethylene
CSM	conceptual site model
1,2-DCE	1,2-dichloroethylene
EMP	Effectiveness Monitoring Plan
EMR	Effectiveness Monitoring Report
ERH	electrical resistance heating
SQL	Sample Quantitation Limit
FMB	Fourmile Branch
ft	feet
GAU	Gordon Aquifer Unit
GCU	Gordon Confining Unit
kg	kilograms
LAZ	Lower Aquifer Zone
lbs	pounds
µg/L	microgram per liter
m	meter
MAZ	middle aquifer zone
MCL	maximum contaminant level
mi	mile
MNA	monitored natural attenuation
msl	mean sea level
OU	operable unit
PCE	tetrachloroethylene
RA	removal action
RADP	Removal action design plan
RAO	removal action objective
RCRA	Resource Conservation and Recovery Act
IROD	Interim Record of Decision
SCDHEC	South Carolina Department of Health and Environmental Control
SRNS	Savannah River Nuclear Solutions, LLC
SRS	Savannah River Site
SVE	soil vapor extraction
TCCZ	Tan Clay Confining Zone
TCE	trichloroethylene
trans-1,2-DCE	trans-1,2-dichloroethylene
UAZ	Upper Aquifer Zone

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

USDOE	U.S. Department of Energy
USEPA	U.S. Environmental Protection Agency
UTRA	Upper Three Runs Aquifer
VC	vinyl chloride
VOC	volatile organic compound
WSRC	Washington Savannah River Company LLC (October 2005 through August 2008)
WSRC	Westinghouse Savannah River Company (before October 2005)
yr	year

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1.0 INTRODUCTION

Groundwater associated with the C-Area Groundwater (CAGW) Operable Unit (OU) is contaminated with tritium and volatile organic compounds (VOCs), primarily trichloroethylene (TCE), due to releases associated with reactor operations. The United States Department of Energy (USDOE), US Environmental Protection Agency (USEPA), and South Carolina Department of Health and Environmental Control (SCDHEC) agreed to conduct a non-time critical (NTC) removal action (RA) at the CAGW OU to reduce potential risk to human health and the environment. The CAGW OU NTC RA, conducted in July and August of 2019, focusses on the TCE contamination in the distal portion of the groundwater plume. This Effectiveness Monitoring Report (EMR) is the second of five annual reports to document the effectiveness of the CAGW OU NTC RA. The CAGW OU NTC RA along with the Applicable or Relevant and Appropriate Requirements are presented in the Action Memorandum (AM), Revision 0 (USDOE 2018) for the CAGW OU and the *Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) for C-Area Groundwater Operable Unit* (Savannah River Nuclear Solutions [SRNS] 2018b).

2.0 OPERABLE UNIT DESCRIPTION AND HISTORY

C Area is situated near the center of the SRS (Figure 1). The primary SRS operation facility in C Area was the C-Reactor which operated between 1955 and 1985. Known sources associated with reactor operations such as the C-Reactor Seepage Basins (904-66G, -67G, -68G), C-Reactor Area TCE Vadose Zone Source, C-Reactor Purification Area Tritium Source, and other non-specified sources resulted in tritium and VOC contamination in groundwater (Figure 2).

The CAGW OU is located in the Fourmile Branch (FMB) watershed and encompasses groundwater beneath C Area, which flows west to FMB and south to Castor Creek. The CAGW OU includes a groundwater subunit and a surface water subunit. The nature and extent of contamination at the CAGW OU was comprehensively investigated beginning in 1998 using groundwater monitoring wells and direct-push technology (DPT) samples (Westinghouse Savannah River Company [WSRC] 2004). The Groundwater Subunit consists of two plumes: 1)

a southern TCE and tritium plume originating near the Reactor Building (105-C) extending west to FMB and south to Castor Creek, and 2) a northern tritium plume in the vicinity of the Twin Lakes drainage, originating near the Retention Basin for 100-C Containment (904-89G) and extending to FMB. VOC contamination in the Twin Lakes area is associated with releases from the C-Area Burning/Rubble Pit (CBRP) OU that is being remediated by monitored natural attenuation (MNA) and is not part of the CAGW OU scope.

The 2020 CAGW OU TCE groundwater plume extends south from the C-Area Reactor Building (105-C) to Castor Creek and an unnamed tributary to Castor Creek (Figure 2).

In December 2016, the USDOE, USEPA, and SCDHEC identified the distal portion of the CAGW OU TCE plume as a candidate for an NTC RA. The Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) for C-Area Groundwater Operable Unit (SRNS 2018b) evaluated the following three cleanup alternatives based on effectiveness, ease of implementation and cost analysis: 1) No Action, 2) Treatment Barrier Using Emulsified Edible Oil, and 3) In Situ Chemical Oxidation Using Sodium Persulfate. The RSER/EE/CA was approved in 2018 and the AM selected a Treatment Barrier Using Emulsified Edible Oil as the technology to implement in the distal portion of the plume.

2.1 Removal Action Characterization, Objectives and Implementation

To support the CAGW OU NTC RA, additional characterization of the discharge area of the distal plume in 2017-2019 demonstrated that the TCE contamination is limited to the MAZ which is about 5 meters (m) (16 feet [ft]) thick in the discharge area. The 2019 pre-injection baseline data included on Figure 3 indicate the margins of the distal TCE plume have shifted slightly towards the east relative to the 2016 CAGW OU TCE plume location. Six wells (CRW023C, CRW024C, CRW025C, CRW026C, CRW027C, and CRW028C) were installed in 2018 and 2019 to collect baseline data and monitor the effectiveness of the CAGW OU NTC RA (Figure 3). Of these six wells, upgradient well CRW024C had the highest TCE result (30.6 µg/L) in the 2019 baseline sampling. CRW024C was installed up-gradient of CAGW OU Oil Injection Area 1 and CRW023C was installed up-gradient of CAGW OU Oil Injection Area 2 (Figure 3). At well CRW023C the highest TCE result in the 2019 baseline sampling was 18.1 µg/L. In 2019, TCE

was above the MCL (5.0 µg/L) in three surface water stations: CCT-03 (10.9 µg/L), CCT-02 (6.62 µg/L), and CCT-01 (9.38 µg/L). These three surface water stations are located on the small unnamed tributary that discharges to Castor Creek (Figure 3). TCE has been detected in Castor Creek above detection limits but has not been detected above the MCL.

The CAGW OU NTC removal action objective (RAO) is to protect human health and the environment by reducing the mass of TCE in groundwater (USDOE 2018).

The CAGW OU NTC RA will reduce TCE concentrations discharging to surface water and support the final remedial action for the CAGW OU. There is no current or projected future use of groundwater or surface water as a drinking water source at the CAGW OU, and site access is currently controlled by SRS facility security and administrative controls. Site specific land use controls are expected to be part of the final remedial action for the CAGW OU.

As stated in the Removal Action Design Plan (RADP) (SRNS 2018a), the selected NTC RA for the CAGW OU groundwater TCE plume consisted of injecting an emulsified oil mixture and bioaugmentation supplement along two transects to create two treatment barriers in the MAZ perpendicular to the groundwater flow (Figure 3) which will sequester and biodegrade TCE within the barriers. Fifteen DPT injection points are used to create two treatment barriers (Figure 3): five injection points approximately 20.2 – 23.2 m (66 – 76 ft) below ground surface (bgs) and ten injection points approximately 10.1 – 13.1 m (33 – 43 ft) bgs in the distal portion of the groundwater plume location. Each injection is within a 3.05 m (10 ft) section of the MAZ where the groundwater TCE contamination is present. The groundwater is augmented with 2 liters (L) (0.528 gallons [gal]) of unconcentrated EOS Bioaugmentation Culture (BAC-9), an enriched bioaugmentation culture of *Dehalococcoides mccartyi* and enzymes in a water-based medium, known to biodegrade TCE. The emulsified oil mixture consisted of EOS100™ emulsified oil, dilution water with a dechlorination agent (e.g., ascorbic acid), and a buffer (e.g., EOS CoBupHMg™) to raise the groundwater pH to approximately 7. After half of the emulsified oil mixture was injected at a location, then 2 L (0.528 gal) of unconcentrated EOS BAC-9 was injected, then the 2nd half of the oil mixture, followed by 151 L (40 gal) of EOS CoBupHMg™ mixed with 757 L (200 gal) of water, and finally 1,135 L (300 gal) of chase water.

2.2 CAGW OU Boundary and Monitoring Network

SRS has identified the area in which groundwater contamination exceeds applicable MCLs and developed a boundary for the CAGW OU. The CAGW OU boundary (Figure 2) encompasses the groundwater exceeding tritium and/or TCE MCLs from C-Area west to FMB and south to Castor Creek. The CAGW OU boundary comprises approximately 811 acres. The TCE groundwater plume covers an area of approximately 119 acres. The NTC RA treatment barriers address the distal portion of the TCE groundwater plume along an area of 357 m² (3,840 ft²) prior to discharging into an unnamed tributary to Castor Creek (Figure 3). There is no current or planned future use of groundwater within the CAGW OU boundary, and it is anticipated no use of groundwater will be allowed as long as contaminant levels exceed MCLs.

As outlined in the RADP with Effectiveness Monitoring Plan (EMP) (SRNS 2018a), the monitoring network at CAGW OU includes five primary monitoring wells (CRW23C, CRW024C, CRW026C, CRW027C and CRW028C) and four primary surface water stations (CCT-01, CCT-02, CCT-03 and CC-08) (Figure 3). In addition, there are nine peripheral monitoring stations: three monitoring wells (CSB 15D CSB020C, CRW025C), four seepage stations (CCSL-08, CCSL-11, CCSL-14 and CCSL-23R) and 2 surface water stations (CC-05 and CC-07). Analyses include the following: VOCs (tetrachloroethylene [PCE], TCE, cis-1,2-dichloroethylene, chloroethene [vinyl chloride], and ethene), pH, dissolved oxygen (DO), methane, nitrate, oxidation-reduction potential (ORP), sulfate, and total organic carbon (TOC) to identify the effects of the edible oil injections. Results for pH, DO, methane, nitrate, ORP, sulfate, and TOC are used to assess the conditions favorable for biodegradation as a result of emulsified oil injections in an aquifer. The PCE, TCE, cis-1,2-dichloroethylene, vinyl chloride, and ethylene results are used to observe reductive dechlorination. Semi-quantitative microbiological analyses are conducted at applicable well locations to supplement the assessment of reductive biological processes.

3.0 SITE HYDROGEOLOGY

3.1 Physiographic Setting

The CAGW OU boundary extends west and south of C-Area (Figure 1). It is located on a broad, convex ridge within the FMB watershed. Local relief ranges from 89.9 m (295 ft) mean sea level

(msl) to 48.2 m (158 ft) msl along FMB and 48.8 m (160 ft) along Castor Creek. The ground surface slopes gently to the west from the C-Area to FMB and Castor Creek, though during reactor operations the reactor discharge water eroded Castor Creek downward approximately 4.6 to 6.1 m (15 to 20 ft). FMB discharges into the Savannah River floodplain and associated swamps about 8 miles (mi) downstream from its confluence with Castor Creek.

3.2 Hydrogeologic Setting

A detailed description of the hydrostratigraphic units relevant to the CAGW OU can be found in the Resource Conservation and Recovery Act (RCRA) Facility Investigation/Remedial Investigation report (WSRC 2004).

The 30-year (yr) average (1990 - 2020) rainfall for SRS is 48.25 in/yr, based on data from the 773-A rain gauge (SRNL 2021). The average annual rainfall since SRS began collecting data (1952 - 2019) is 48.14 in/yr (SRNL 2020). In 2020, SRS received 55.82 inches of rainfall (SRNL 2021), and from January to June 2021 SRS has received 24.93 in of rainfall, based on data from the C-Area rain gauge. The average groundwater recharge is estimated at 12.5 in/yr, while the remainder is lost to evapotranspiration or run-off to surface water (WSRC 2003).

The Floridan aquifer system is the aquifer system of concern within the CAGW OU area. The system is divided into two aquifer units separated by a confining unit. From top to bottom, they are known as the UTRA, the Gordon Confining Unit (GCU), and the Gordon Aquifer Unit (GAU). The UTRA occurs between the water table surface and the GCU. The UTRA is divided into three aquifer zones. The upper and lower aquifer zones are divided by an informal aquitard referred to as the “Tan Clay Confining Zone” (TCCZ). The third aquifer zone resides as a sandy formation within the TCCZ. From top to bottom they are known as the UAZ, MAZ and the Lower Aquifer Zone (LAZ) of the UTRA (Figure 4). The MAZ is the target of the NTC RA in the distal portion of the TCE plume and consists of a permeable sand in that area. While the hydraulic conductivities vary within each of the aquifer zones, the overall average groundwater velocity is 70 ft/yr for the UTRA between C-Area and the points of discharge along FMB and Castor Creek (WSRC 2001).

The Conceptual Site Model (CSM) for the CAGW OU TCE plume resulted from a vadose zone VOC source area south of the C-Reactor Assembly Area that has been depleted by electrical

resistance heating and soil vapor extraction (ERH-SVE) in 2006. TCE is then transported in the UAZ towards Castor Creek. Particle track analysis indicates it takes between 20 and 35 years for groundwater in C-Area to reach points of discharge along Castor Creek (WSRC 2001). As TCE is transported from C-Area to the point of discharge the plume descends into the MAZ, and attenuation decreases the concentration of TCE in the groundwater during transport. Very little biodegradation occurs during transport from C-Area to Castor Creek, rather the CSM considers biodegradation to occur only at the wetland areas along Castor Creek as the TCE plume is discharging through the organic rich sediments. The CAGW OU NTC RA was designed to augment biodegradation in the MAZ before groundwater discharges into an unnamed tributary to Castor Creek (Figure 5).

4.0 MONITORING AND REPORTING

4.1 Groundwater Monitoring Well Network

Monitoring results are discussed in text and presented in the appendices. Appendix A tabulates monitoring data from 2020 and 2021 for all wells in the CAGW OU NTC RA monitoring network. Appendix B presents hydrographs of water levels at the CAGW OU NTC RA monitoring points since 2000. Appendix C consists of time-series plots of VOCs at the CAGW OU NTC RA monitoring points since 2000. Appendix D contains plume maps with fourth quarter 2020 (4Q20) TCE concentrations indicated and includes all the CAGW OU monitoring stations. Appendix E contains the potentiometric surface maps for the various aquifers for the 4Q20 using all the CAGW OU monitoring stations. Appendix F contains all the broader CAGW OU monitoring data.

4.1.1 CAGW NTC RA Groundwater Monitoring Well Network

The CAGW OU NTC RA start date was on July 10, 2019, all injection activities ended on August 12, 2019, and sampling of the CAGW OU NTC RA monitoring network began in November 2019. The sampling schedule for monitoring wells, seepage stations, and surface water stations was established in the RADP with EMP (SRNS 2018a) as shown in Table 1.

The CAGW OU NTC RA monitoring network includes a total of eighteen monitoring stations (eight wells, four seepage stations, and six surface water stations) (Figure 3). Monitoring data

from the 18 primary and peripheral effectiveness monitoring stations are used to assess the effectiveness of the CAGW OU NTC RA treatment barriers on TCE groundwater concentrations. The effectiveness monitoring network overall is designed to verify the attainment of the CAGW OU NTC RA objectives.

In April through June of 2019, three rounds of baseline sampling were conducted on the nine primary stations (CRW023C, CRW024C, CRW026C, CRW027C, CRW028C, CCT-01, CCT-02, CCT-03 and CC-08), and one round of sampling was conducted on the nine peripheral stations (CRW025C, CSB 15D, CSB020C, CCSL-08, CCSL-11, CCSL-14, CCSL-23R, CC-05 and CC-07). In October through December of 2019, the first round of effectiveness monitoring sampling was conducted on the nine primary stations, which consisted of three monthly-samples. However, because the BioTrap samples, which provide DNA evidence of microbial populations in the subsurface, require a 30-day deployment period the actual sample collection occurred one month later (November, December and January). In November 2019, one round of sampling was conducted on the nine peripheral stations. In 2020, effectiveness monitoring quarterly samples were collected in February, June, September and December for the nine primary stations. In June and December of 2020, semi-annual effectiveness monitoring samples were collected at the nine peripheral stations. In 2021, the first semi-annual samples were collected in June for the nine primary stations and the nine peripheral stations. The second semi-annual samples will be collected in December 2021.

4.1.2 CAGW OU Groundwater Monitoring Well Network

The CAGW OU monitoring network includes an additional sixty-two monitoring stations (forty-eight wells, four seepage stations, and ten surface water stations) (Figure 6), which were sampled semi-annually for VOC and tritium analyses in 2020. In 2021, the CAGW OU monitoring wells and seepage stations will be sampled annually, while the surface water stations will be sampled semi-annually. The overall CAGW OU monitoring network is used to evaluate if the tritium and VOC plumes are contracting or expanding in the UTRA, and attenuation over time as the plumes travel from the source areas to the points of discharge (Figure 2).

4.2 Groundwater Elevation Measurements and Groundwater Flow Direction

Historic groundwater elevations, extending from 2000 to present, are displayed as hydrographs in Appendix B. Potentiometric surfaces for December 2020 are mapped for each aquifer (Appendix E).

Within the CAGW OU boundary, groundwater in the UTRA flows west from C-Area OU toward FMB and south toward Castor Creek (Appendix E). Water elevations in the UAZ within C-Area at long-term water table wells (CDB 1, CDB 2 and CDB003D) have been rising since historic lows in 2012 up to 216.55 ft-msl in 2020 (Figure 7). Groundwater within the GAU flows west toward FMB.

Within the CAGW OU NTC RA area the top of the water table is within the MAZ and groundwater discharges towards the unnamed tributary to Castor Creek and to Castor Creek (Figure 3). Water elevations in MAZ wells CSB 15D and CSB020C near Castor Creek have also been rising since 2012, and in 2021 MAZ water elevations range between 168.95 ft-msl at CRW026C near the unnamed tributary and up to 179.95 ft-msl at CSB020C along road 3 (Figure 8).

4.3 Groundwater Sampling and Analyses

4.3.1 CAGW OUNTC RA Groundwater Sampling and Analyses

Per the EMP (SRNS 2018a), monitoring station samples are analyzed for fourteen laboratory constituents:

- 1,2-dichloroethylene (1,2-DCE)
- chloride
- cis-1,2-dichloroethylene (cis-1,2-DCE)
- ethylene
- methane
- microbial population counts
- nitrate
- sulfate
- tetrachloroethylene (PCE)
- Total Organic Carbon (TOC)
- trans-1,2-dichloroethylene (trans-1,2-DCE)
- trichloroethylene (TCE)
- tritium
- vinyl chloride (VC)

Per the EMP (SRNS 2018a), monitoring well samples are analyzed for eight field constituents:

- oxidation/reduction potential (ORP)
- alkalinity

- oxygen
- pH
- conductivity
- turbidity
- water temperature
- depth to water (Wells)

The sampling frequency for all effectiveness monitoring stations and analyses is provided in Table 1. Sample results are evaluated to determine if biodegradation is increasing within the removal action area. The concentrations of the VOC constituents are also compared to the respective MCLs (Table 2). Monitoring wells (CRW026C through CRW028C) down-gradient of injection areas are expected to have TCE groundwater concentrations decreasing below 5 µg/L over a 3- to 5-year period. An increase in TCE biodegradation products (e.g., cis-1,2-DCE, VC and ethylene) and chloride may also be observed at the down-gradient wells over a 3- to 5-year period. Changes in field measurements, such as increasing pH, methane and alkalinity with decreasing oxygen and ORP, indicate conditions favorable for TCE biodegradation and are expected to be observed over a 3- to 5-year period. Microbial counts, especially of anaerobic bacteria, are also expected to increase in the groundwater samples over a 3- to 5-year period.

4.3.2 CAGW OU Groundwater Sampling and Analyses

The routine CAGW OU monitoring station samples are analyzed for the following laboratory constituents:

- 1,2-dichloroethylene (1,2-DCE)
- cis-1,2-dichloroethylene (cis-1,2-DCE)
- tetrachloroethylene (PCE)
- total petroleum hydrocarbons (TPH)*
- trans-1,2-dichloroethylene (trans-1,2-DCE)
- trichloroethylene (TCE)
- tritium
- vinyl chloride (VC)

* Only well CRW022D samples are analyzed for TPH diesel range organics, as it monitors a remediated diesel storage tank site.

The routine CAGW OU monitoring stations receive the following field measurements:

- oxidation/reduction potential (ORP)*
 - dissolved oxygen*
 - pH
 - conductivity
 - alkalinity
 - turbidity
 - water temperature
 - depth to water (Wells)
-

* Only measured at seepage stations

The sampling and analysis frequency for the CAGW OU monitoring stations is annual with semi-annual sampling for thirteen wells, seepage stations and surface water stations. Sample results are evaluated to determine overall long-term trends for the tritium and TCE plumes.

4.4 Groundwater and Surface Water Results

All prescribed effectiveness monitoring samples were successfully collected in 2020-2021. Appendix A provides the results for all the CAGW OU NTC RA groundwater and surface water sampling. Appendix C provides time-series plots for the CAGW OU NTC RA stations for the VOCs, and tritium is included as it is a CAGW OU contaminant of concern. TCE groundwater concentrations up-gradient of the CAGW OU NTC RA have remained elevated at CRW024C, installed up-gradient of CAGW OU Oil Injection Area 1 (Figure 3 and Appendix A). Since June 2020, TCE concentrations have decreased slightly at seven of the CAGW OU NTC RA primary effectiveness monitoring stations (CRW023C, CRW026C, CRW027, CCT-01, CCT-02, CCT-03 and CC-08) (Appendix A and Table 3). One notable exception is well CRW028C, which has an increasing TCE trend since June 2020 (Figure 9). A peripheral monitoring well CRW025C also has an increasing TCE trend since June 2020 (Figure 9). Only TCE and tritium exceeded MCLs in groundwater samples collected during the 2020-2021 sampling period. Tritium is not part of the CAGW OU NTC RA, but it is an important constituent in the overall CAGW OU.

Appendix D consists of plume maps showing TCE concentrations in groundwater and surface water for December 2020. Other VOC contaminants associated with CAGW OU NTC RA are not included in Appendix D because they 1) generally coincide with the TCE contamination; 2) are below MCLs; and 3) behave similarly in groundwater as TCE.

TCE and tritium concentrations in groundwater for the overall CAGW OU during 2020-2021 generally continued long-term decreasing trends. Data from December 2020 show a small area above 100 micrograms per liter ($\mu\text{g/L}$) near the C-Area Reactor Building (105-C) in the Upper Aquifer Zone (UAZ) of the Upper Three Runs Aquifer (UTRA) (Figure 2). Likewise, two wells (CSB 15D and CSB020C) exceed 40 $\mu\text{g/L}$ TCE at the distal portion of the plume in the Middle Aquifer Zone (MAZ) of the UTRA, and low levels of VOC contamination in the middle of the

plume (Appendix D). Results from the unnamed tributary to Castor Creek indicated elevated levels of TCE and tritium (Appendix A). Sample results for specific constituents are described below for both the CAGW OU NTC RA effectiveness monitoring stations and the overall CAGW OU monitoring stations.

4.4.1 CAGW OUNTCRA

4.4.1.1 Trichloroethylene

In 2019, the maximum baseline TCE groundwater concentration was 41.3 µg/L at well CSB 15D for the 18 CAGW OU NTC RA effectiveness monitoring stations. In 2021, the maximum TCE result was 41.6 µg/L at well CSB020C for the 18 CAGW OU NTC RA effectiveness monitoring stations. Up-gradient of the CAGW OU NTC RA injection areas, at primary groundwater monitoring well CRW024C, TCE concentrations have remained elevated with a June 2021 detection of 26.1 µg/L (Figure 9). The 2020 and 2021 maximum groundwater concentrations still exceed the MCL (5 µg/L), but the groundwater TCE concentrations slightly decreased at upgradient wells CSB 15D and CSB020C in 2021 (Figure 9). Upgradient well CRW023C also had a decreasing TCE groundwater concentration in late-2020 and 2021 (Figure 9). TCE sample concentrations exceeded the MCL at 12 of the 18 monitoring stations during the 2020-2021 sampling period. Two of the three surface water stations (CCT-01 and CCT-03) in the unnamed tributary had TCE concentrations exceeding the MCL, but in 2021 all three stations had slight declines in TCE concentrations (Figure 10). The MAZ and surface water body within the CAGW OU NTC RA portion of the TCE plume is discussed in detail below.

Middle Aquifer Zone (MAZ)

TCE concentrations for MAZ stations are shown in Appendix A and Appendix F, while the TCE plume for the combined UAZ-MAZ is depicted in Appendix D, Figure D-1.

The CAGW OU NTC RA targeted TCE contamination in the MAZ before groundwater discharges to an unnamed tributary to Castor Creek. All eighteen CAGW OU NTC RA monitoring stations are screened in the MAZ or monitor surface water receiving groundwater discharge from the MAZ. In late-2020 and mid-2021, NTC RA monitoring well CSB020C had the highest TCE groundwater

concentrations (41.0 µg/L and 41.6 µg/L, respectively), which exceed the MCL (5 µg/L) but are a decrease from June 2020. Wells CRW024C and CRW023C are slightly upgradient of injection Areas 1 and 2, respectively, and groundwater at these wells had slightly decreasing groundwater TCE concentrations in 2021. Downgradient wells CRW026C and CRW027C had slightly decreasing groundwater TCE concentrations since June 2020, but downgradient wells CRW025C and CRW028C had increasing or steady groundwater TCE concentrations since June 2020 (Figure 9). This may be because well CRW025C is located outside (west) of the treatment zone. It is also possible the zone of influence of the CAGW OU NTC RA is not as extensive as anticipated by SRS.

Surface Water

Six surface water stations are part of the CAGW OU NTC RA monitoring network: CCT-01, CCT-02, CCT-03, CC-05, CC-07 and CC-08. The three surface water stations (CCT-01, CCT-02 and CCT-03) monitoring the unnamed tributary had surface water TCE concentrations ranging from 3.22 µg/L to 6.13 µg/L in June 2021, but all three monitoring stations had slightly decreasing TCE concentrations since June 2020 (Figure 10). The three surface water stations (CC-05, CC-07 and CC-08) monitoring Castor Creek had surface water TCE concentrations ranging from 1.12 µg/L to 1.18 µg/L in June 2021, and all three monitoring stations had slightly decreasing TCE concentrations since June 2020 (Figure 11).

Five additional surface water monitoring stations (CC-01, CC-02, CC-03, CC-04 and CC-06) are part of the broader CAGW OU monitoring network. CC-01 and CC-02 have the longest monitoring history and indicate a decreasing TCE trend for Castor Creek since 2002. The downstream surface water monitoring station CC-01 sample TCE concentration decreased to 0.36 µg/L in June 2021 from a maximum TCE concentration of 1.72 µg/L in May 2002. CC-06 is the farthest up-stream and eastward surface water monitoring station on Castor Creek, and the CC-06 sample TCE concentrations increased to 1.35 µg/L in June 2021. CC-03 and CC-04 monitor FMB immediately above and below Castor Creek's confluence with FMB. CC-03 and CC-04 TCE sample concentrations remained below detection limits for all samples in 2020 and 2021.

Surface water data are tabulated in Appendix A, and the December 2020 TCE plume data are shown in Appendix D (Figure D-1).

4.4.1.2 Tetrachloroethylene

PCE is a minor component of the CAGW OU VOC groundwater plume, which has not exceeded the MCL (5 µg/L) at any CAGW OU monitoring station since 2006, before the implementation of the ERH-SVE system. In December 2020, for the 18 CAGW OU NTC RA effectiveness monitoring stations the maximum PCE result was 1.12 µg/L at seepline station CCSL-11. In June 2021, for the 18 CAGW OU NTC RA effectiveness monitoring stations the maximum PCE result was 1.12 µg/L at seepline station CCSL-14. For 2020 and 2021, the maximum PCE groundwater concentrations were below the MCL (5 µg/L). In 2020 and 2021, all CAGW OU NTC RA surface water stations monitoring the unnamed tributary and Castor Creek had samples with PCE concentrations below the detection limits.

4.4.1.3 Cis-1,2-Dichloroethylene

Between September 2020 and June 2021, cis-1,2-DCE was detected in four CAGW OU NTC RA seepline stations (CCSL-08, CCSL-11, CCSL-14 and CCSL-23R) and two surface water stations (CCT-02 and CCT-03) monitoring the unnamed tributary. No sample concentration exceeded the cis-1,2-DCE MCL (70 µg/L), with a maximum concentration of 1.09 µg/L in the June 2021 sample from seepline station CCSL-23R. The CAGW OU NTC RA was expected to increase cis-1,2-DCE concentrations in monitoring wells (CRW026C, CRW027C and CRW028C) downgradient of Injection Areas 1 and 2 from the biodegradation of TCE, but this hasn't been observed. Cis-1,2-DCE may be below detection limits at the downgradient wells, because cis-1,2-DCE was (co)metabolized by aerobic microbes, based on the presence of toluene monooxygenase 2 and phenol hydroxylase in the BioTrap data (Atashgahi 2017). Cis-1,2-DCE and VC oxidation has also been observed in the presence of humic acid under sulphate-reducing and methanogenic conditions (Dolinova 2017). It is also possible the zone of influence of the CAGW OU NTC RA is not as extensive as anticipated by SRS. The September 2020 through June 2021 cis-1,2-DCE data are tabulated in Appendix A.

4.4.1.4 Vinyl Chloride

During the September 2020 to June 2021 sampling period, VC was not detected in any of the CAGW OU NTC RA monitoring stations, which is consistent with previous years. The CAGW OU NTC RA was expected to increase VC concentrations in monitoring wells (CRW026C, CRW027C and CRW028C) downgradient of Injection Areas 1 and 2 from the biodegradation of TCE, but this hasn't been observed. VC may be below detection limits at the downgradient wells, because cis-1,2-DCE was (co)metabolized by aerobic microbes, based on the presence of toluene monooxygenase 2 and phenol hydroxylase in the BioTrap data (Atashgahi 2017). Cis-1,2-DCE and VC oxidation has also been observed in the presence of humic acid under sulphate-reducing and methanogenic conditions (Dolinova 2017). It is also possible the zone of influence of the CAGW OU NTC RA is not as extensive as anticipated by SRS. The 2020 and 2021 VC data are tabulated in Appendix A and Appendix F.

4.4.1.5 Ethylene

During the September 2020 to June 2021 sampling period, ethylene was not detected at any CAGW OU NTC RA monitoring station. During the 2019-2020 sampling period, ethylene was detected at low levels ($< 1.0 \mu\text{g/L}$) in the five wells nearest the injection areas (CRW023C, CRW024C, CRW026C, CRW027C and CRW028C) (Figure 12). Laboratory problems led to elevated ethylene MDLs for all samples collected from June 2020 through June 2021, which rendered the results to little or no value. The initial ethylene data are an indication of complete biodegradation through vinyl chloride is occurring within portions of the injection areas.

Similarly, during the 2019-2020 sampling period, low concentrations ($< 1.00 \mu\text{g/L}$) of ethylene were detected in four surface water stations (CCT-01, CCT-02, CCT-03 and CC-08), which receive groundwater discharge from the MAZ treated by the CAGW OU NTC RA. All the detectable results occurred in the December 2019, January 2020 and February 2020 samples, and none of the previous samples from these surface water stations had detectable levels of ethylene. These ethylene data are an indication biodegradation is occurring within portions of the injection areas. There is no MCL for ethylene, as it is considered a harmless compound. The ethylene data are tabulated in Appendix A.

4.4.1.6 Methane

Methanogenesis indicates conditions favorable to the biodegradation of TCE by anaerobic bacteria. A large increase in groundwater methane concentrations to 106 µg/L in June 2021 was observed at well CRW026C in the post removal action samples (December 2019 – June 2021). All the CRW026C pre-removal action samples were below the detection limits for methane. During the November 2019 to June 2020 sampling period, methane was detected at low levels (< 1.0 µg/L) in the post-removal action samples in the other four wells (CRW023C, CRW024C, CRW027C and CRW028C) near the injection areas. All the detectable results occurred after the completion of the removal action, and none of the samples prior to the CAGW OU NTC RA from these wells had detectable levels of methane. The presence of methane above background concentrations in areas with chlorinated solvents is an indication that the groundwater geochemical conditions are favorable for anaerobic reductive dechlorination, however stable methane concentrations over three sample events (e.g., CRW026C) indicate more optimal conditions (USAF 2007).

During the September 2020 to June 2021 sampling period, methane was detected in two surface water stations (CCT-02 and CCT-03), which receive groundwater discharge from the MAZ treated by the CAGW OU NTC RA. A slight increase in methane concentrations is observed in the post-removal action samples, relative to the pre-removal action samples. Station CCT-03 is located furthest upstream in a heavily vegetated portion of the wetland and has the highest levels of methane. The average methane concentration of five pre-removal action samples from station CCT-003 was 9.84 µg/l, which is less than the post removal average for eight samples was 13.56 µg/L and may indicate this area of the CAGW OU NTC RA may be more conducive to anaerobic reductive dechlorination.

During the September 2020 to June 2021 sampling period, a large increase in methane concentrations has been observed at seepline station CCSL-23R. Methane concentrations at CCSL-23R have increased from a minimum of 6.20 µg/L in October 2018 to 133 µg/L in June 2021. CCSL-23R is the farthest seepline station from the CAGW OU NTC RA areas, so the increase in methane may be of natural origins rather than from the removal action.

The increase in methane concentrations at some stations indicates conditions are more favorable for TCE biodegradation. The methane data are tabulated in Appendix A.

4.4.1.7 Chloride, Nitrate and Sulfate

Chloride groundwater concentrations are expected to increase in areas where reductive dichlorination of TCE is occurring due to microbes. The average chloride concentration of five pre-removal action samples from station CRW023C is 1.903 mg/l, while the post-removal action average for eight samples is 2.24 mg/L. The average chloride concentration of four pre-removal action samples from station CRW026C is 1.75 mg/l, while the post-removal action average for eight samples is 2.28 mg/L. No other monitoring stations indicated an increase in chloride groundwater concentrations in the post-removal action samples. Wells CRW023C and CRW026C pre-removal action and post-removal action samples indicate a possible increase in reductive dichlorination of TCE within the emulsified oil biobarrier (Figure 13 and Figure 14), however a decrease in TCE at the downgradient wells was not observed.

High nitrate groundwater concentrations may interfere with the reductive dichlorination pathway. Two monitoring wells (CRW023C and CRW26C) indicated a reduction in nitrate concentrations (Figure 13 and Figure 14). The average nitrate concentration of four pre-removal action samples from station CRW023C is 1.53 mg/l, while the post-removal action average for eight samples is 1.103 mg/L. The average nitrate concentration of three pre-removal action samples from station CRW026C is 1.33 mg/l, while the post-removal action average for five samples is 0.361 mg/L. These wells may indicate some portions of the injection areas are conducive to reductive dichlorination of TCE. No other monitoring stations indicated a decrease in the nitrate groundwater concentrations in the post-removal action samples.

High sulfate groundwater concentrations may interfere with the reductive dechlorination pathway, but some geochemical settings with elevated sulfate concentrations can also be favorable for reductive dechlorination of TCE (Mao 2017). Two monitoring wells (CRW023C and CRW26C) indicated an increase in sulfate concentrations (Figure 13 and Figure 14). The average sulfate concentration of five pre-removal action samples from station CRW023C is 0.393 mg/l, while the post-removal action average for eight samples is 1.024 mg/L. The average sulfate concentration

of four pre-removal action samples from station CRW026C is 0.52 mg/l, while the post-removal action average for eight samples is 1.815 mg/L. The role of sulfate in the CAGW OU NTC RA environmental setting is uncertain, and more data is needed to identify a trend. No other monitoring stations indicated a change in the sulfate groundwater concentrations in the post-removal action samples.

4.4.1.8 Total Organic Carbon (TOC)

TOC is used as an indicator of the amount of emulsified oil in the groundwater, as groundwater within the CAGW OU tends to have very little (< 1 mg/L) to no organic carbon. Wells CRW023C and CRW026C had a large increase in TOC in the December, January and February sample events but by the June sample event groundwater concentrations had decreased to baseline conditions (Figure 15). In late-2020, TOC groundwater concentrations increased to 3.652 mg/L at CRW026C and decreased to 2.544 mg/L in June 2021. None of the other monitoring wells showed any increase in TOC concentrations. It is possible CRW023C and CRW026C lie within a preferential pathway from the emulsified oil biobarriers, or that the zone of influence from the biobarriers expanded temporarily and then contracted, or the overall zone of influence is smaller than anticipated by SRS.

Seepage stations CCSL-21R, CCSL-22R and CCSL-23R have the highest groundwater TOC concentrations, which appear to be naturally occurring based on baseline conditions and distance from the removal action areas (Figure 16). These three stations are in or near an organic-rich layer adjacent to Castor Creek.

Surface water stations CCT-01, CCT-02 and CCT-03 had increased TOC concentrations in late-2019 and early-2020, but TOC concentrations have been decreasing since mid-2020 (Figure 17). The elevated TOC concentrations are most likely from the oil injections but appear to be returning to baseline conditions.

4.4.1.9 BioTrap QuantArray-Chlor® Microbial Data

Quantification of Dehalococcoides, the only known bacterial group capable of complete reductive dechlorination of PCE and TCE to ethylene, has become an indispensable component of

assessment, remedy selection, and performance monitoring at sites impacted by chlorinated solvents. While undeniably a key group of halo-respiring bacteria, Dehalococcoides are not the only bacteria of interest in the subsurface because reductive dechlorination is not the only potential biodegradation pathway operative at contaminated sites, and chlorinated ethenes are not always the primary contaminants of concern. The QuantArray®-Chlor analyses of the BioTraps not only includes a variety of halo-respiring bacteria (Dehalococcoides, Dehalobacter, Dehalogenimonas, etc.) to assess the potential for reductive dechlorination of chloroethenes, chloroethanes, chlorobenzenes, chlorophenols, and chloroform, but also provides quantification of functional genes involved in aerobic (co)metabolic pathways for biodegradation of chlorinated solvents and even competing biological processes. BioTraps were installed in the five primary monitoring wells (CRW023C, CRW024C, CRW026C, CRW027C and CRW028C) and seven peripheral wells and seepage stations (CRW025C, CSB 15D, CSB020C, CCSL-08, CCSL-11, CCSL-14, CCSL-23R). BioTraps remained in place a minimum of 30 days prior to collection for analyses. All of the QuantArray®-Chlor analysis data are in Table 4, and wells CRW023C and CRW026C are the wells that showed the greatest increase in microbial activity. The microbial activity for the CRW026C BioTrap samples is best indicated in the charts produced by the Microbial InSights laboratory (Figures 18-25). It appears microbial activity increases from November 2019 through February 2020, but the June 2020 BioTrap data shows very little anaerobic microbial activity. The September 2020 and December 2020 BioTrap data (Figures 23 and 24) shows a return of the anaerobic microbial activity, and the June 2021 BioTrap data indicates an increase in the anaerobic microbial activity (Figure 25). Dehalobacter, sulfate reducing bacteria and desulfitobacterium are the most abundant microbes observed at CRW026C (Figure 26), and these microbes are all capable of reductive dichlorination (Holliger 1998 and Islam 2021). It is possible the conditions conducive to microbial activity are more localized over time than originally anticipated by SRS. Aerobic (co)metabolic microbial activity is indicated by detectable levels of phenol hydroxylase, soluble methane monooxygenase, toluene monooxygenase, toluene monooxygenase 2 on the BioTraps at nearly all monitoring wells, and may explain the lack of cis-1,2-DCE and VC in the downgradient wells.

4.4.1.10 Field Measurements

Groundwater field measurements for pH, DO, ORP and Total Alkalinity help assess if the conditions within the CAGW OU NTC RA area are favorable for biodegradation as a result of emulsified oil mixture injections. An increase in pH to between 7 and 9 and a decrease in DO to below 0.5 mg/L are the optimum conditions for microbial activity to degrade TCE (DOD 2006). Groundwater field measurements on samples from wells CRW023C and CRW026C indicate these conditions may exist in portions of the CAGW OU NTC RA area (Figure 27 and Figure 28). Though conditions are not optimal throughout the removal action areas, in general as DO and ORP decrease, and Alkalinity and pH increase anaerobic microbial activity tend to increase (Figure 26 and Figure 28).

4.4.2 *CAGW OU*

4.4.2.1 Trichloroethylene

TCE is the major VOC contaminant in the CAGW OU VOC groundwater plume. In the overall CAGW OU monitoring network, the highest TCE groundwater concentration was 169 µg/L for the June 2021 sample from monitoring well CRW020D. CRW020D monitors the TCE vadose zone remediated by ERH and SVE, and the historic maximum TCE groundwater concentration was 11,600 µg/L in 2006 at this well.

As TCE is the primary contaminant in the CAGW OU VOC plume, its occurrence can be used to delineate the physical extent of the total groundwater contaminant plume. The groundwater plume emanates south and westward from C-Area extending to Castor Creek and toward FMB (Figure 2). It is constrained vertically to the UTRA and can be found within all three aquifer zones of the UTRA. The 4Q20 TCE plume has not changed significantly in concentration or extent since reported in the 2018 CAGW OU RADP with an EMP (SRNS 2018a). The vadose zone VOC source area wells (CRW020D and CRW021DR) are continuing their long-term decline, indicating that the 2006 Interim Record of Decision (IROD) activities south of C-Reactor were successful in cutting off the contamination pathway to groundwater. The aquifers and surface water bodies within the CAGW OU NTC RA portion of the TCE plume is discussed in detail below.

Upper Aquifer Zone (UAZ)

Analytical data for TCE in the UAZ are shown in Appendix F, and an UAZ-MAZ map is depicted in Appendix D, Figure D-1 (4Q20). There are no UAZ wells in the CAGW NTC RA monitoring network, rather all UAZ monitoring wells are in the broader CAGW OU monitoring network. The 4Q20 TCE plume emanates south and west from just south of the C-Reactor Assembly Area with the highest concentrations in wells CRW020D and CRW021DR, which are just downgradient of the former vadose zone VOC source area. The TCE plume infiltrates into the LAZ at low concentrations, and presumably the MAZ, as it moves downgradient to CSB017B, which is just outside of the C-Area fence line. The TCE plume also descends from the UAZ into the MAZ as it nears Road 3 and before discharging into Castor Creek as indicated by several wells (CRW23C, CRW024C, CSB 15D, and CSB020C). The western portion of the TCE plume may eventually discharge into Twin Lakes and/or FMB (FMB), as indicated by the TCE concentrations observed at CRW010CU and CRW 10C (Appendix F, F-23 and F-29).

Middle Aquifer Zone (MAZ)

The mid-plume wells (CRW 4C, CRW 11D, CRW 15D, CRW010CU, CSB 3C, CSB 12D, CSB011C, and CSB019C) in the MAZ have slowly decreasing TCE groundwater concentrations in 4Q20 relative to historic highs or remain below the MCL. The distal-plume stations are within the CAGW OU NTC RA area and are discussed in section 4.4.1.1.

Lower Aquifer Zone (LAZ)

In 4Q20, TCE was present at concentrations exceeding the MCL (5 µg/L) in two wells (CRW 10C and CSB017B) of the eleven CAGW OU monitoring wells screened in the LAZ. In November 2020, the CRW 10C and CSB017B groundwater TCE concentrations were 9.35 µg/L and 7.59 µg/L, respectively. These two wells monitor the portion of the CAGW OU TCE plume moving west towards Twin Lakes and FMB. Near Castor Creek, two LAZ wells (CSB020B and CSL001) had groundwater TCE concentrations that were below detection limits in 2020 and 2021. The data for the LAZ are tabulated in Appendix A and Appendix F, while the map in Appendix D depicts the LAZ TCE plume (Figure D-2).

Gordon Aquifer (GA)

As part of the broader CAGW OU monitoring network there are ten wells screened in the GA. All ten GA monitoring wells were sampled in 4Q20, and all the TCE results were below detection limits. Analytical data for the GA wells are tabulated in Appendix F.

4.4.2.2 Tetrachloroethylene

PCE is a minor component of the CAGW OU VOC groundwater plume, which has not exceeded the MCL (5 µg/L) at any CAGW OU monitoring station since 2006, before the implementation of the ERH-SVE system. In the CAGW OU monitoring network, the highest PCE groundwater concentration was 1.79 µg/L for the November 2020 sample from monitoring well CRW 10C, which is below the MCL and the historic maximum PCE groundwater concentration (1.98 µg/L) in 2017 at this well. CRW 10C monitors the portion of the CAGW OU VOC plume that is migrating towards Twin Lakes and FMB. In 2020 and 2021, all CAGW OU surface water stations monitoring Castor Creek and FMB had samples with PCE concentrations below the detection limits. The 2020 and 2021 PCE data are tabulated in Appendix F.

4.4.2.3 Cis-1,2-Dichloroethylene

In 2019 and 2020, in the broader CAGW OU monitoring network cis-1,2-DCE is above detection limits only at the three monitoring wells (CTRW 10C, CRW010CU and CRW021DR). The highest cis-1,2-DCE groundwater concentration (1.68 µg/L) was at well CRW021DR, which is immediately down-gradient of the former VOC vadose zone source area remediated by the ERH-SVE system. The 4Q20 distribution pattern for cis-1,2-DCE, which is present near the former VOC source area and in the wetland areas, is consistent with previous years. Though in previous years, cis-1,2-DCE has been detected at low groundwater concentrations at a few CAGW OU mid-plume monitoring wells screened in the UAZ-UTRA or the MAZ-UTRA. The 2020 and 2021 cis-1,2-DCE data are tabulated in Appendix F.

4.4.2.4 Vinyl Chloride

During the 2020-2021 sampling period, VC was not detected in any of the CAGW OU monitoring stations, which is consistent with previous years. The 2020 and 2021 VC data are tabulated in Appendix A and Appendix F.

4.4.2.5 Tritium

Overall, the CAGW OU tritium plume has decreased significantly in aerial extent and concentration since 2002 (Figure 29). The highest groundwater tritium concentrations are now in the distal portion of the plume in the CAGW OU NTC RA area, and those wells are showing slowly decreasing tritium trends except CRW026C (Figure 30). In June 2021, well CRW024C had the highest tritium groundwater concentration (2,300 pCi/mL).

5.0 SUMMARY

Groundwater and surface water data from July 2020 through June 2021 indicate conditions in some areas of the CAGW OU NTC RA are conducive to anaerobic biodegradation of TCE. The presence of ethylene and increased chloride, methane and TOC concentrations in some groundwater and surface water samples, after the implementation of the CAGW OU NTC RA, is an indication of increased biodegradation up-gradient of the wells and surface water stations. Field measurements for DO, ORP, and pH indicate reduced oxygen, which is favorable for anaerobic biodegradation of TCE. The QuantArray®-Chlor analyses of the BioTraps indicated an increase in anaerobic microbial activity at some wells, and aerobic (co)metabolic activity at most wells. Anaerobic microbial activity was primarily limited to wells CRW023C and CRW026C, indicating limited aerial extent outside of the injection zone. In the past year, reductions in groundwater TCE concentrations have been observed in CRW023C, CRW026C and CRW027C, but not in CRW025C or CRW028C. Aerobic (co)metabolic activity may explain the below detection concentrations of cis-1,2-DCE and VC in the downgradient monitoring wells. TCE concentrations have decreased about 50% in the surface water of the unnamed tributary to Castor Creek since the inception of the CAGW OU NTC RA.

The downgradient zone of influence of the bio-barriers created by the CAGW OU NTC RA may be smaller than originally anticipated by SRS, and widespread biogeochemical changes have not been observed throughout the monitoring network. This is also indicated by the relatively stable or increasing levels of TCE observed in some of the primary monitoring wells for the CAGW OU NTC RA.

Since 2002, the overall CAGW OU TCE and Tritium plumes have decreased in extent and concentration, but groundwater TCE and Tritium concentrations still exceed MCLs, most notably in the distal portion of the plumes near Castor Creek.

6.0 RECOMMENDATIONS

Groundwater monitoring will continue according to the approved EMP.

SRS recommends adding carbon dioxide (CO₂) to the CAGW OU EMP analyses to help determine if (co)metabolism is occurring within the CAGW OU NTC RA treatment areas.

SRS plans to install two wells in early- to mid-2022: one well within each of the bio-barriers created by CAGWOU NTC RA to assess the changes in groundwater biogeochemistry and contaminant levels. These wells are intended to provide data to determine the extent of anaerobic microbial activity.

The next CAGW OU NTC RA EMR is scheduled for September 2022 (Table 1) and will discuss data collected in the second half of 2021 and the first half of 2022.

7.0 REFERENCES

Atashgahi, 2017. *Geochemical Parameters and Reductive Dechlorination Determine Aerobic Cometary vs Aerobic Metabolic Vinyl Chloride Biodegradation at Oxic/Anoxic Interface Hypoxic Zones*, Siavash Atashgahi, et al., *Environmental Science & Technology*, 2017, 51, 3, 1626–1634, December 22, 2016, American Chemical Society

DOD, 2006. *Protocol for Enhanced In Situ Bioremediation Using Emulsified Edible Oil*, May 2006, Environmental Security Technology Certification Program, U.S Department of Defense

Dolinova, 2017. *Microbial degradation of chloroethenes: a review*, Iva Dolinova, et al., *Environmental Science and Pollution Research International*, 2017, 24:13262-13283, publication date April 5, 2017, <https://doi.org/10.1007/s11356-017-8867-y>

Holliger, 1998. Reductive dichlorination in energy metabolism of anaerobic bacteria, Christof Holliger, et al., *FEMS Microbiology Reviews* 22, 1999, 383-398, 1999 Federation of European Microbiological Societies, Elsevier Science B.V. PII: S0168-6445 (98) 00030-8

Islam, 2021. *Effect of Copresence of Zerovalent Iron and Sulfate Reducing Bacteria on Reductive Dechlorination of Trichloroethylene*, Syful Islam, et al., *Environmental Science and Technology*, 2021, 55, 4851-4861

Mao, 2017. *Effects of Sulfate Reduction on Trichloroethene Dechlorination by Dehalococcoides-Containing Microbial Communities*, February 2017, Mao X, Polasko A, Alvarez-Cohen L., American Society for Microbiology, *Applied and Environmental Microbiology*: 83 e03384-16. <https://doi.org/10.1128/AEM.03384-16>

SRNL, 2020. *Atmospheric Technologies Group Meteorological Monthly Monitoring Report*, December 2019, SRNL-L2200-2020-00001, Savannah River National Laboratory, Savannah River Nuclear Solutions LLC, Savannah River Site, Aiken, SC

SRNL, 2021. *Atmospheric Technologies Group Meteorological Monthly Monitoring Report*, December 2020, SRNL-L2200-2021-00001, Savannah River National Laboratory, Savannah River Nuclear Solutions LLC, Savannah River Site, Aiken, SC

SRNS, 2018a. *Removal Action Design Plan with Effectiveness Monitoring Plan for the C-Area Groundwater Operable Unit (U)*, SRNS-RP-2018-00807, Rev 1, October 2018, Savannah River Nuclear Solutions, LLC, Savannah River Site, Aiken, SC

SRNS, 2018b. *Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) for C-Area Groundwater Operable Unit (U)*, SRNS-RP-2017-00365, Rev 1, February 2018, Savannah River Nuclear Solutions, LLC, Savannah River Site, Aiken, SC

USAF, 2007. *Protocol for In Situ Bioremediation of Chlorinated Solvents Using Edible Oil*, October 2007, Air Force Center for Engineering and the Environmental, Environmental Science Division Technology Transfer Outreach Office, U.S. Air Force

USDOE, 2018. *Action Memorandum and Responsiveness Summary for the Non-Time Critical Removal Action for the C-Area Groundwater Operable Unit (U)*, SEMS Number: 82, IACD-18-150, dated May 18, 2018, Department of Energy Savannah River Operations Office, P.O. Box A, Aiken, South Carolina

WSRC, 2001. *Groundwater Transport Modeling for the Southern TCE and Tritium Plumes for the C-Area Groundwater Operable Unit (U)*, WSRC-TR-2001-00206, Revision 0, June, Westinghouse Savannah River Company, Savannah River Site, Aiken, SC

WSRC, 2003. *Groundwater Flow and TCE Transport Modeling for the C-Area Burning/Rubble Pit (U)*, WSRC-TR-2003-4066, Revision 0, Westinghouse Savannah River, Savannah River Site, Aiken, SC

WSRC, 2004. *RCRA Facility Investigation/Remedial Investigation Report for the C-Area Reactor Groundwater (CRGW) Operable Unit (U)*, WSRC-RP-2003-4073, Rev 1, May 2004, Westinghouse Savannah River Company, Savannah River Site, Aiken, SC

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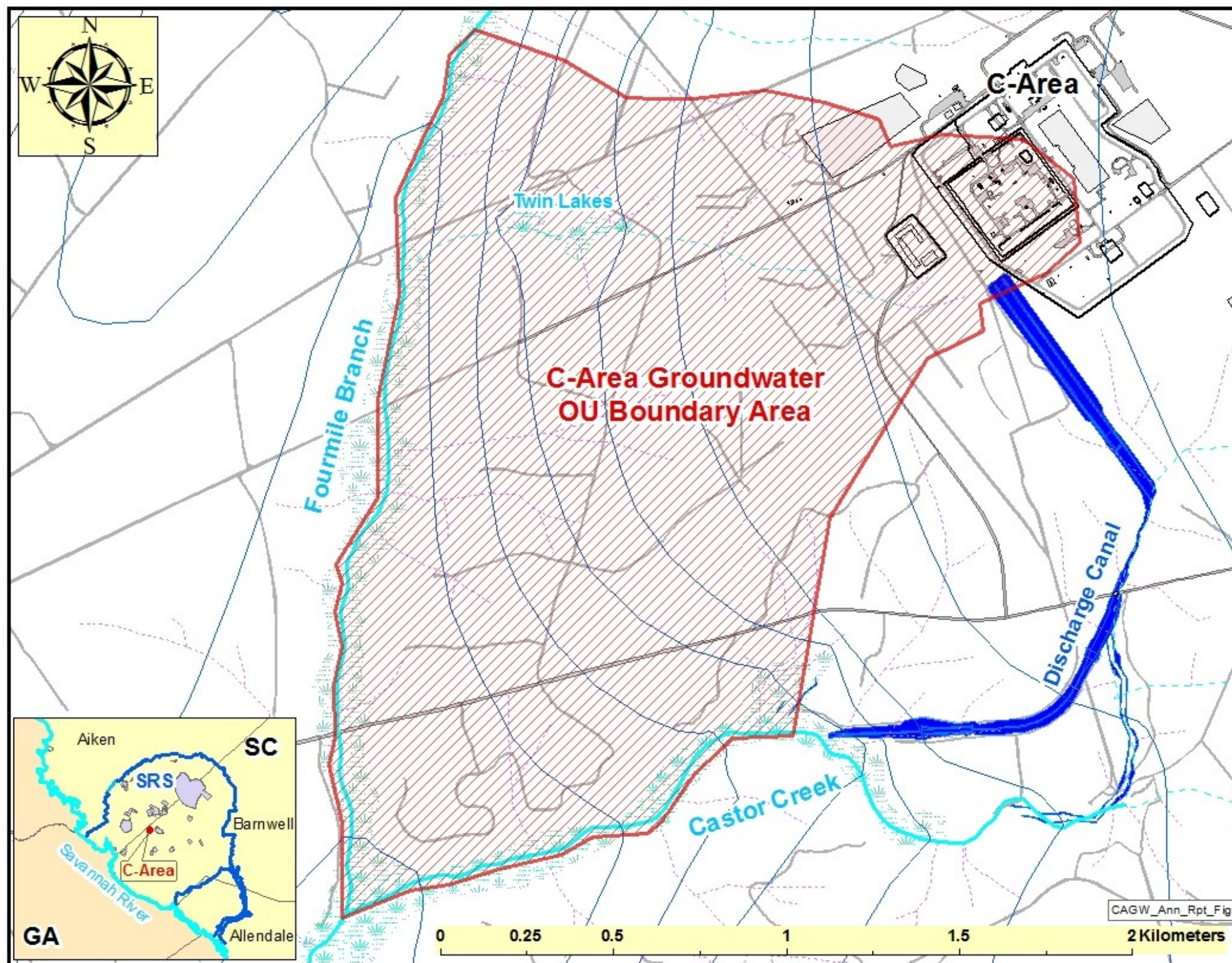


Figure 1. Location of CAGW OU in Relation to the C-Reactor Facilities

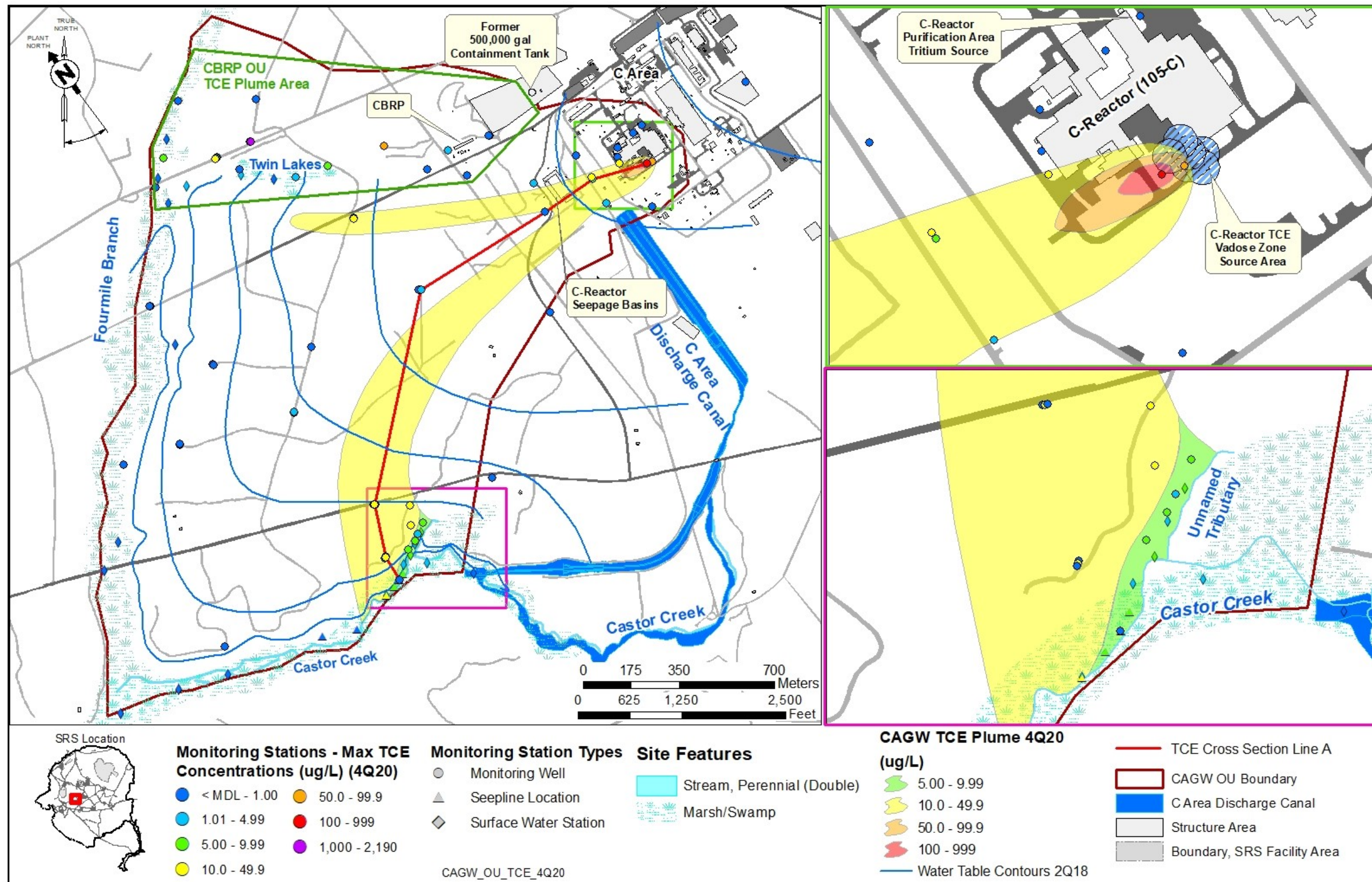


Figure 2. CAGW OU TCE Plume 4Q20

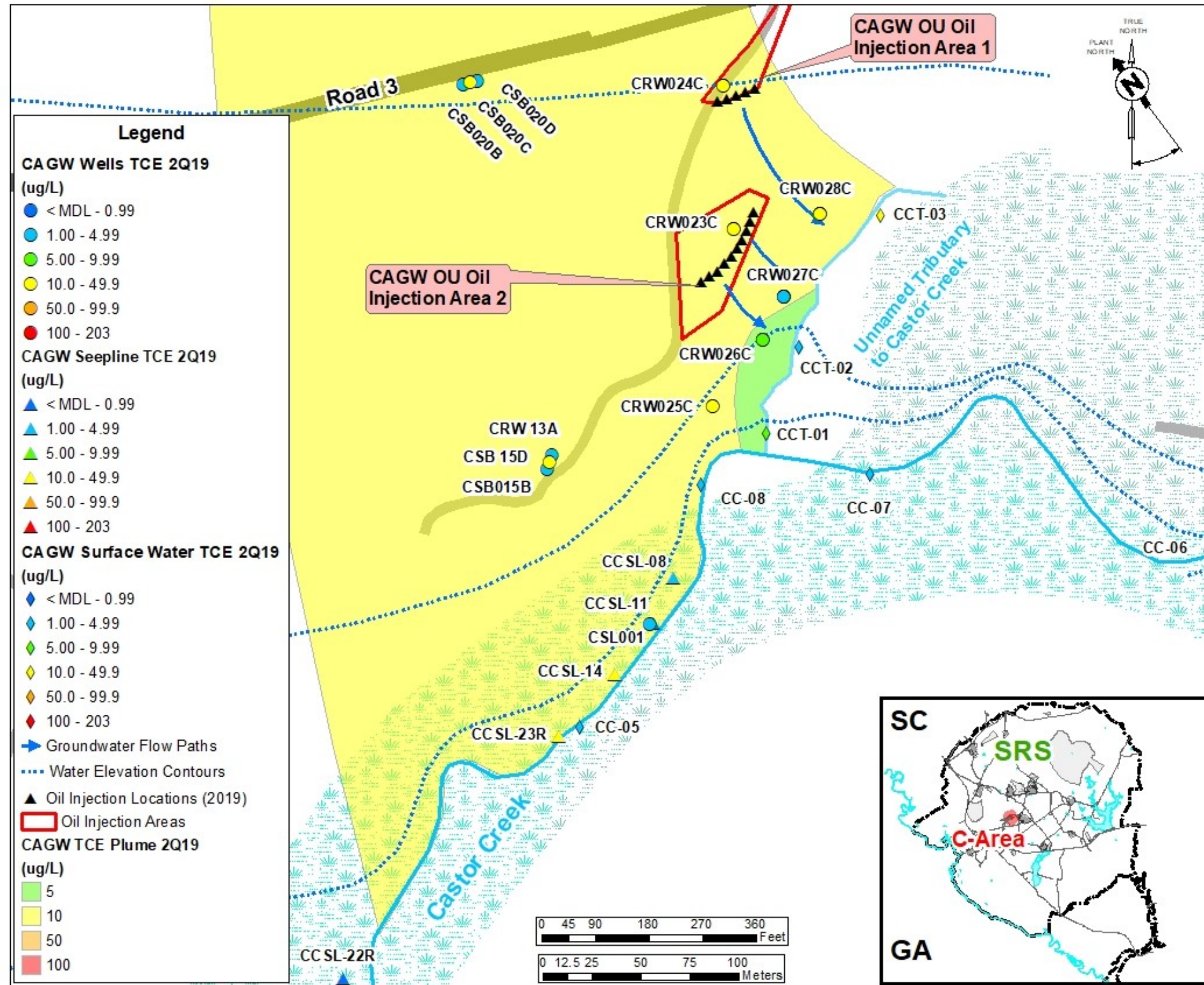


Figure 3. CAGW OU NTC RA Areas (2019 Baseline Conditions)

C-Area TCE Cross-Section A-A'

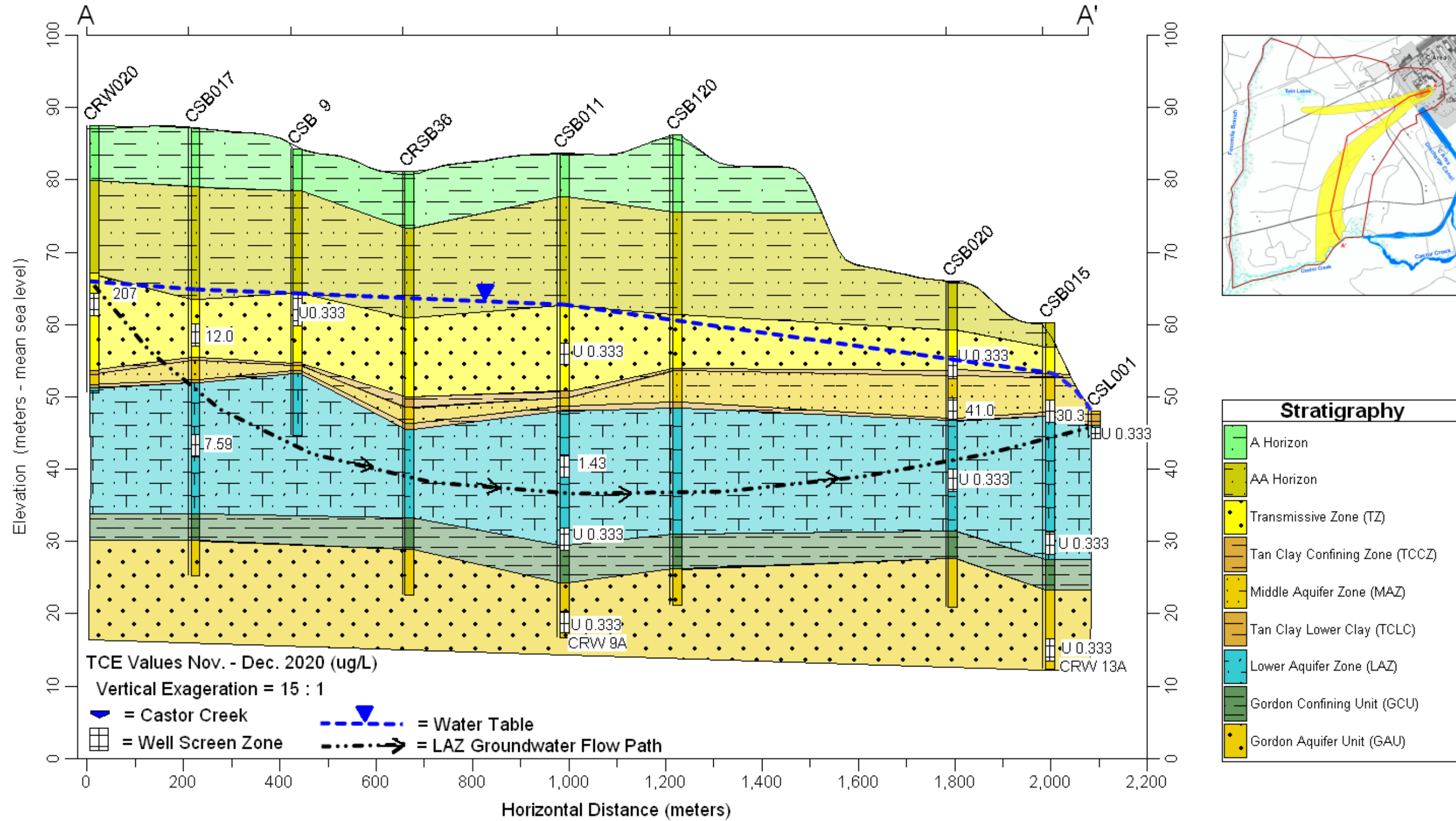


Figure 4. CAGW OU TCE Transport from C-Area to Castor Creek

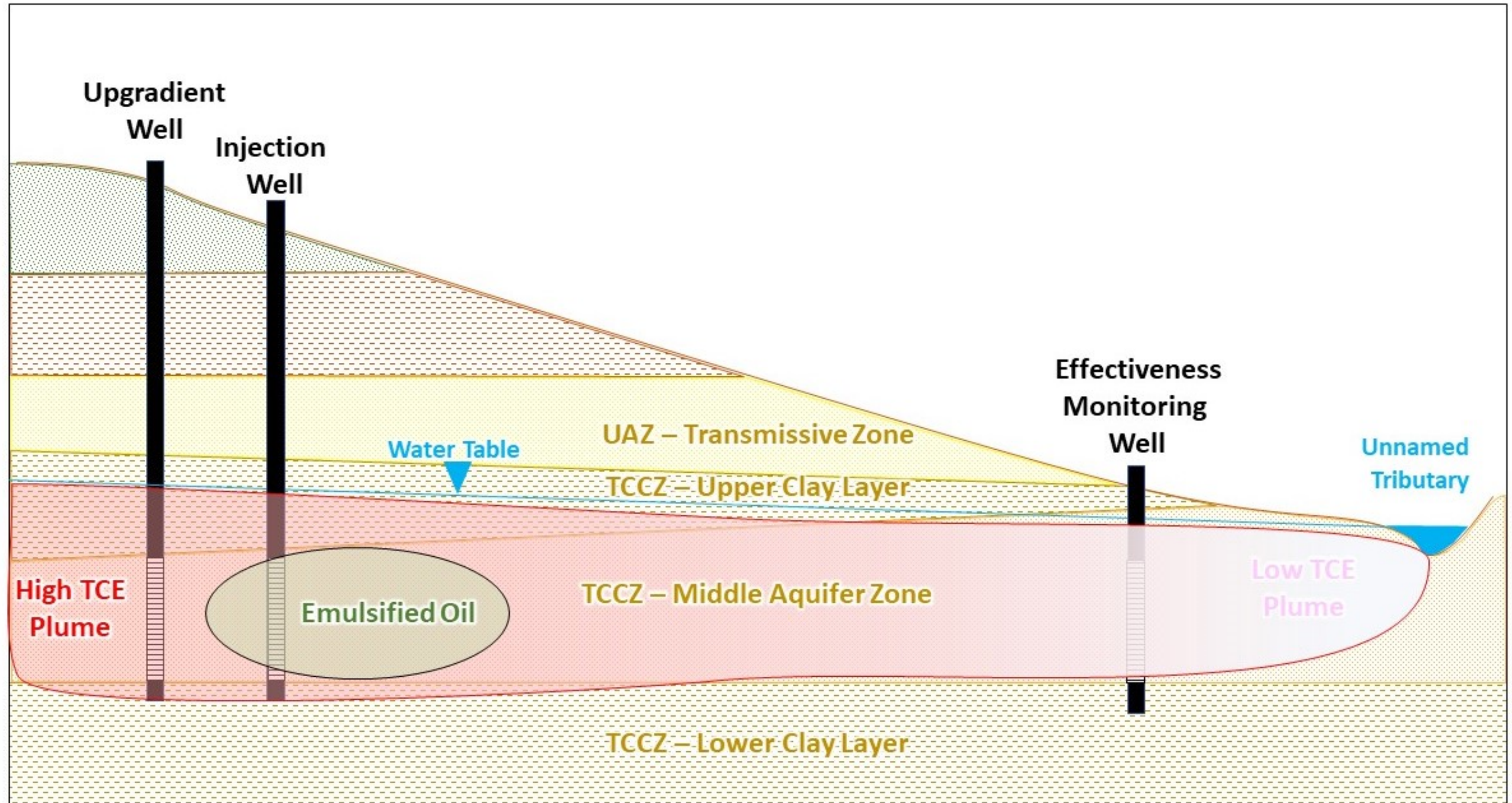


Figure 5. Schematic of Emulsified Oil Treatment Barrier.

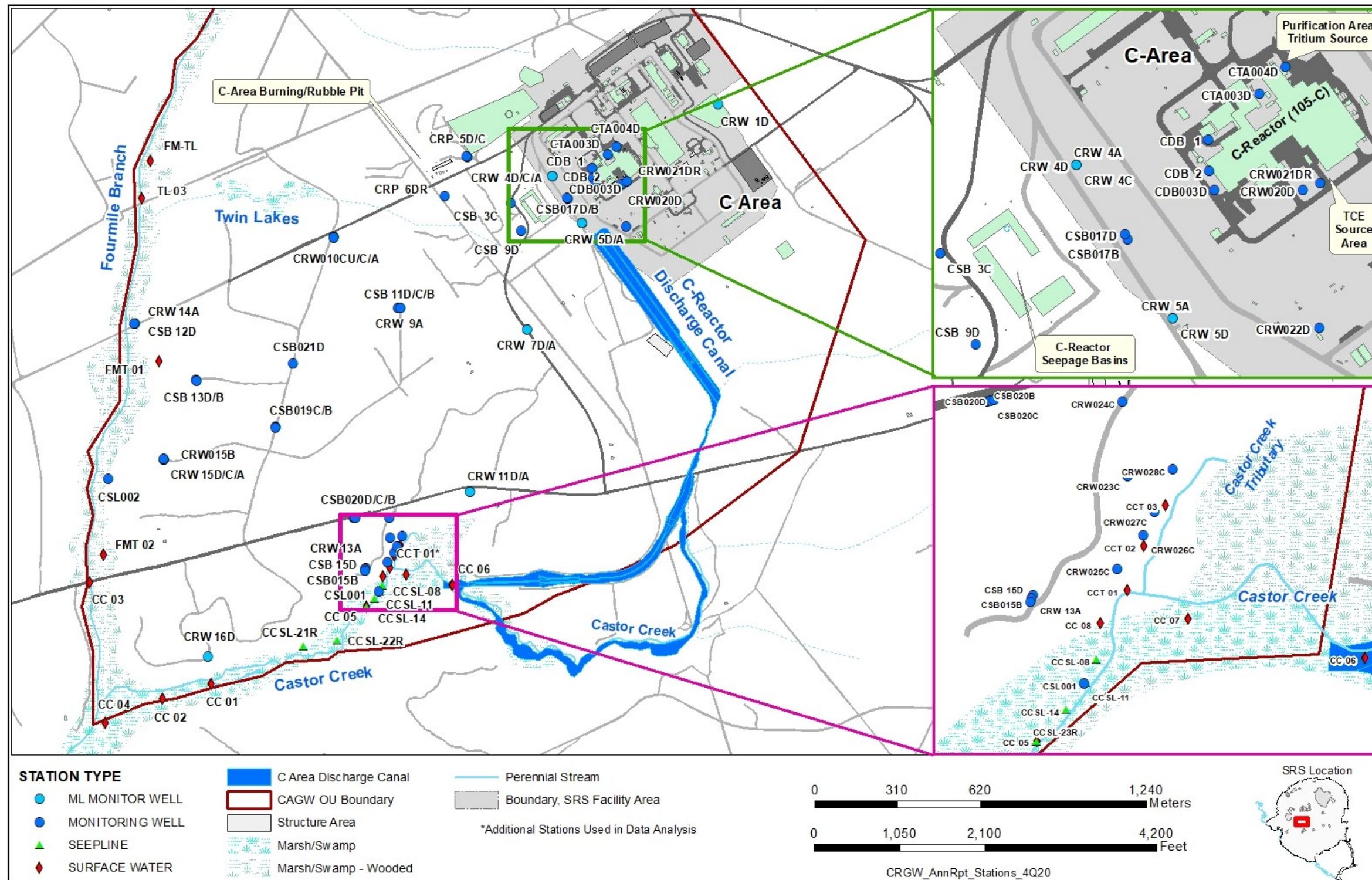


Figure 6. CAGW OU Monitoring Stations

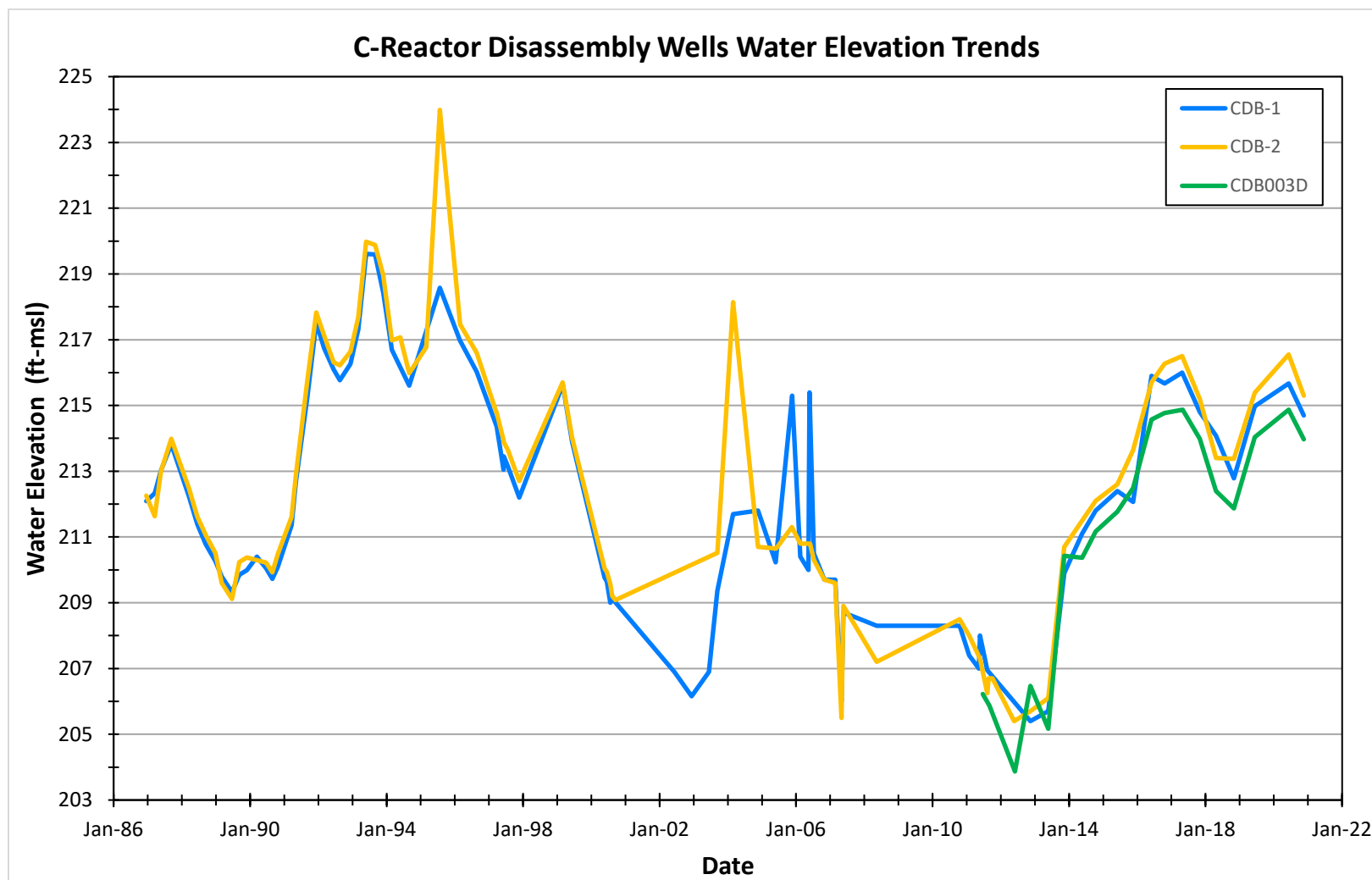


Figure 7. Water Table Trends Near C-Reactor

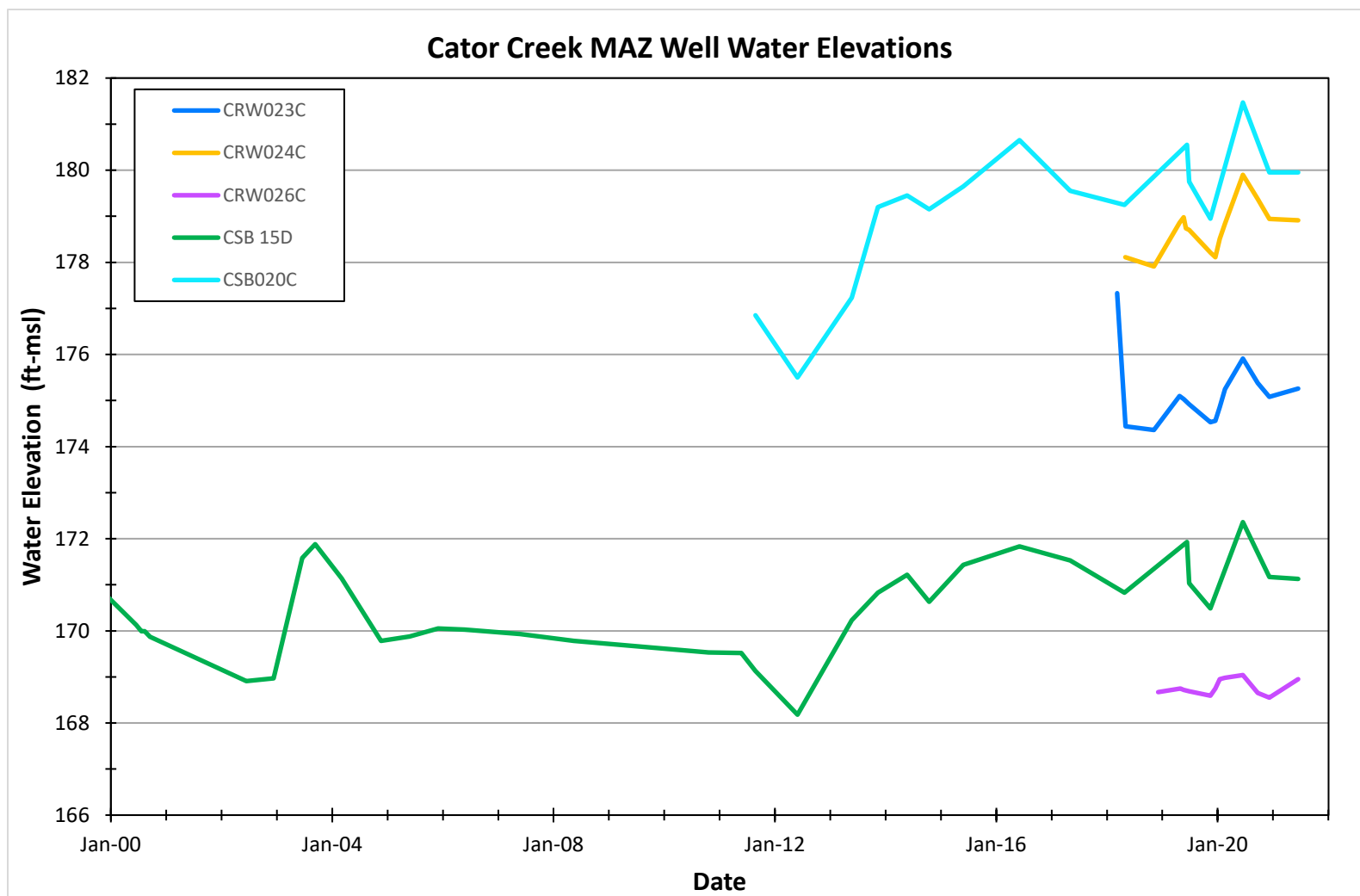


Figure 8. Water Table Trends Near Castor Creek

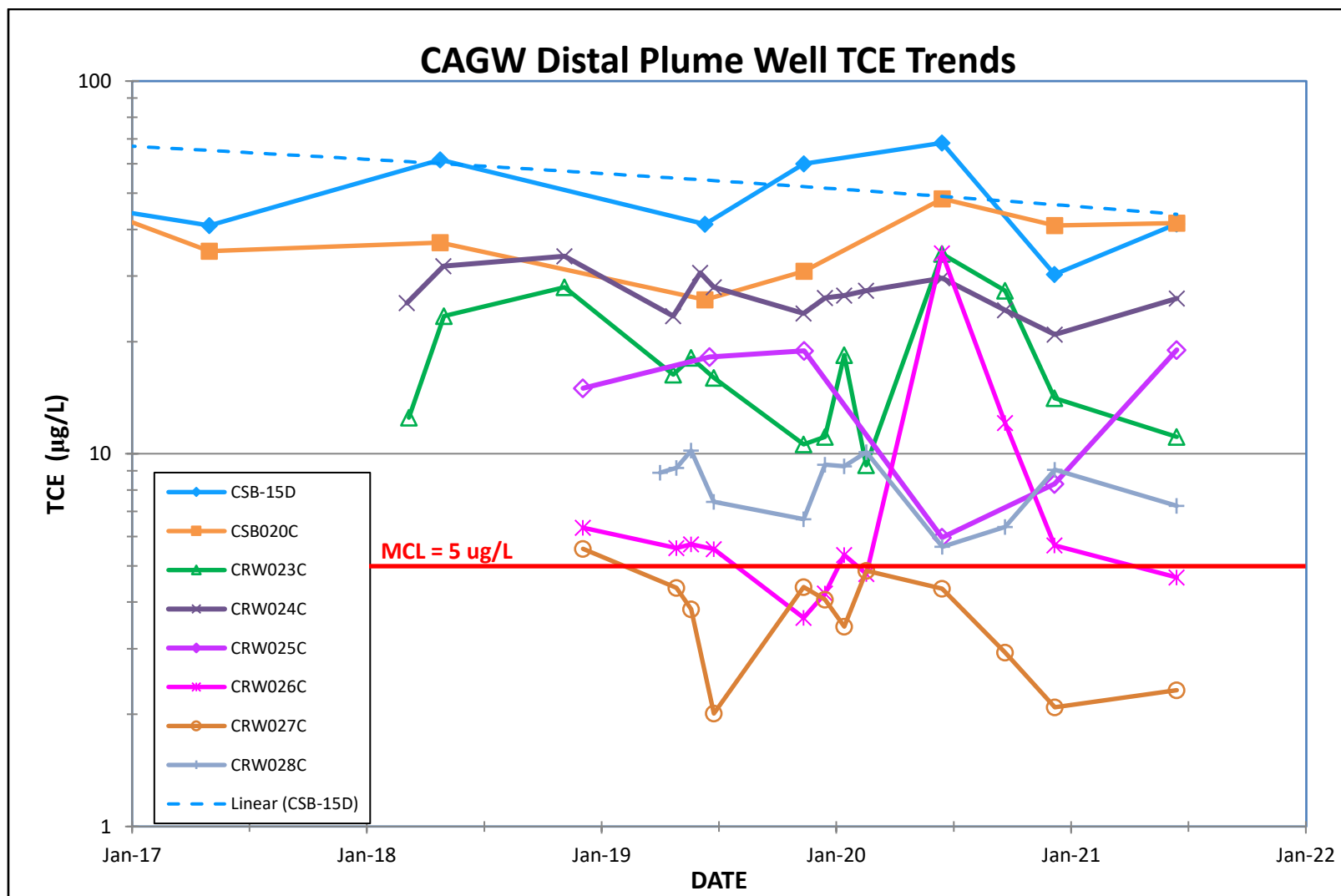


Figure 9. Groundwater TCE Trends Near Castor Creek Tributary

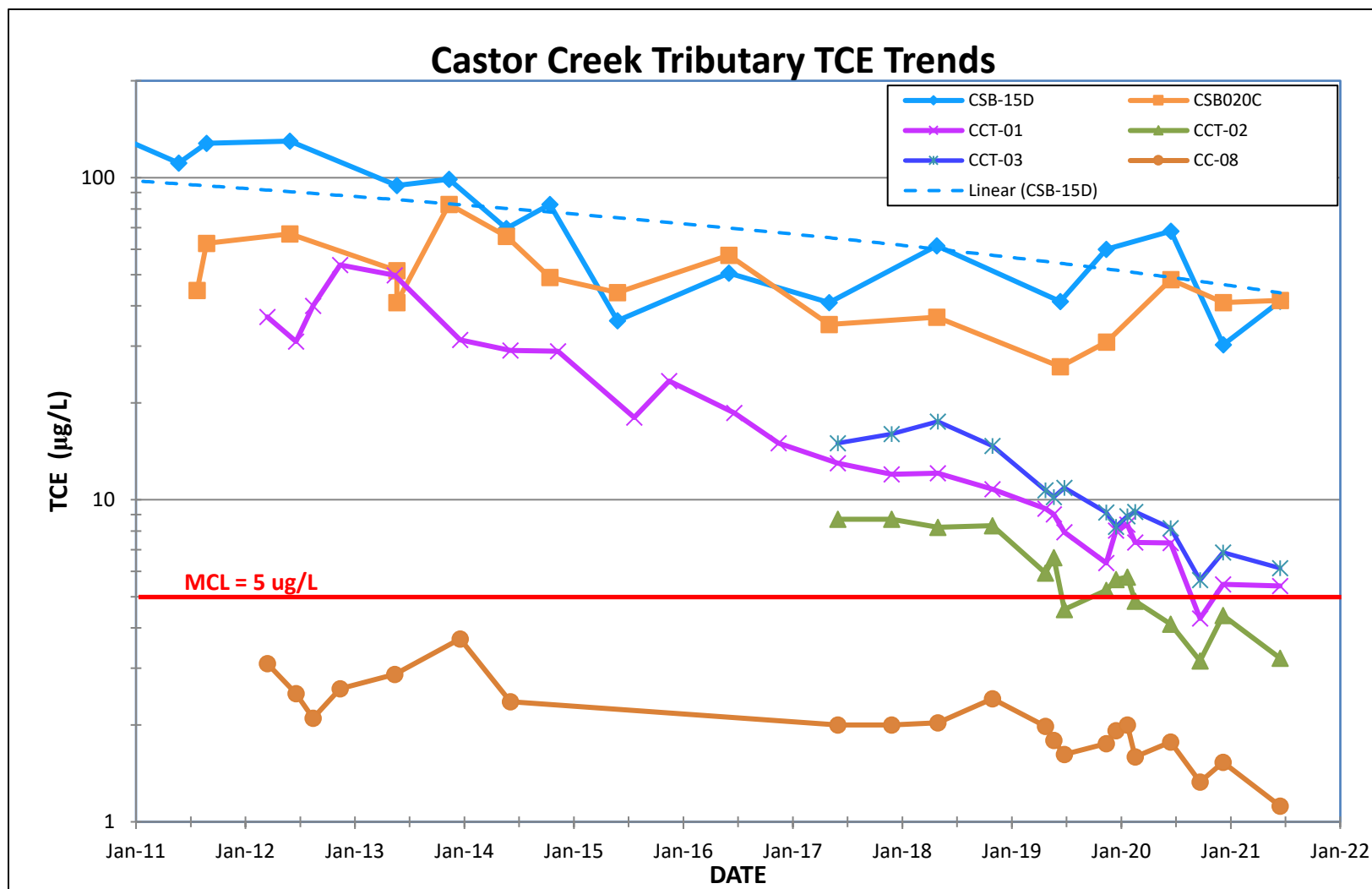


Figure 10. Surface Water TCE Trends in Castor Creek Tributary

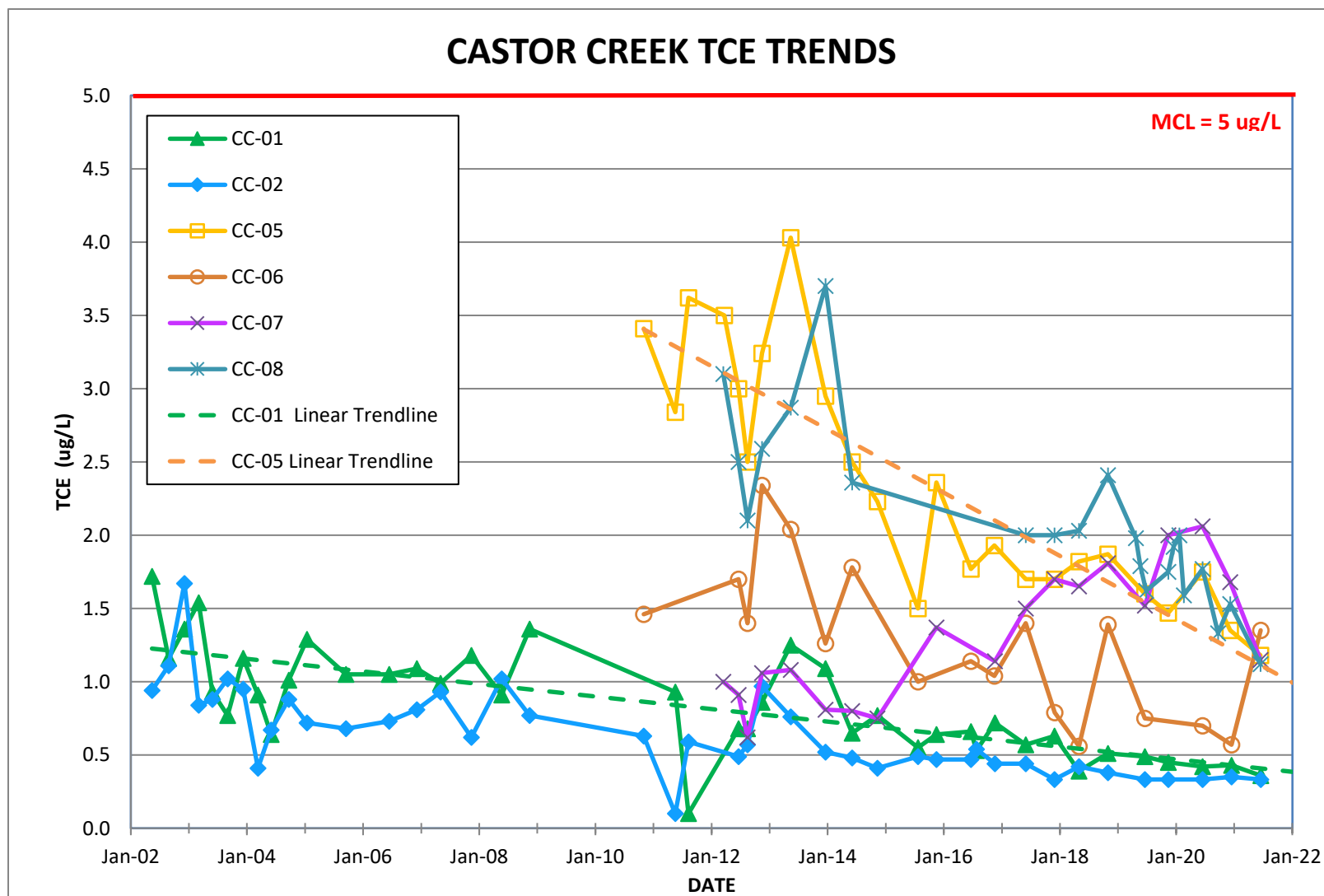


Figure 11. Surface Water TCE Trends in Castor Creek

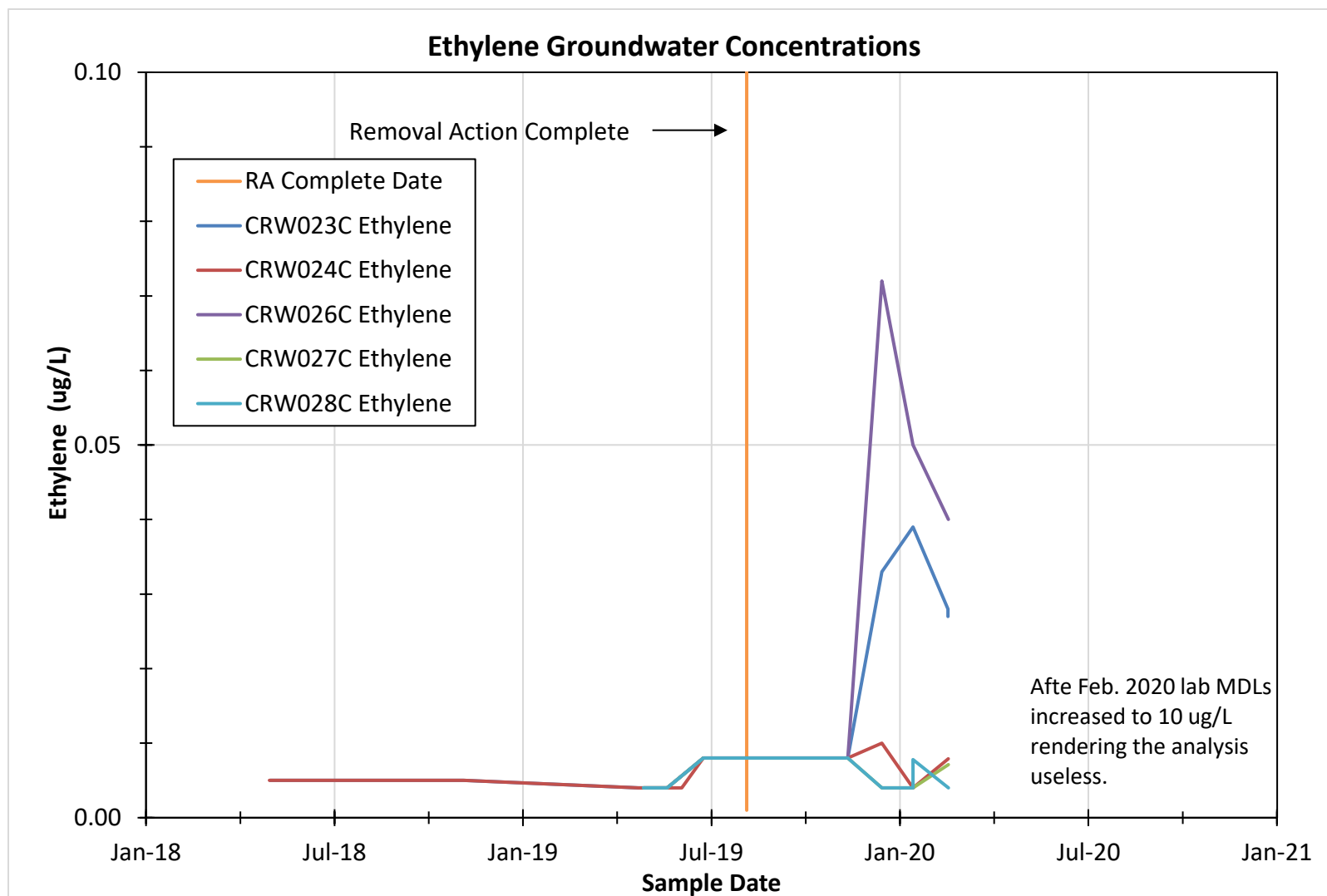


Figure 12. Groundwater Ethylene Trends

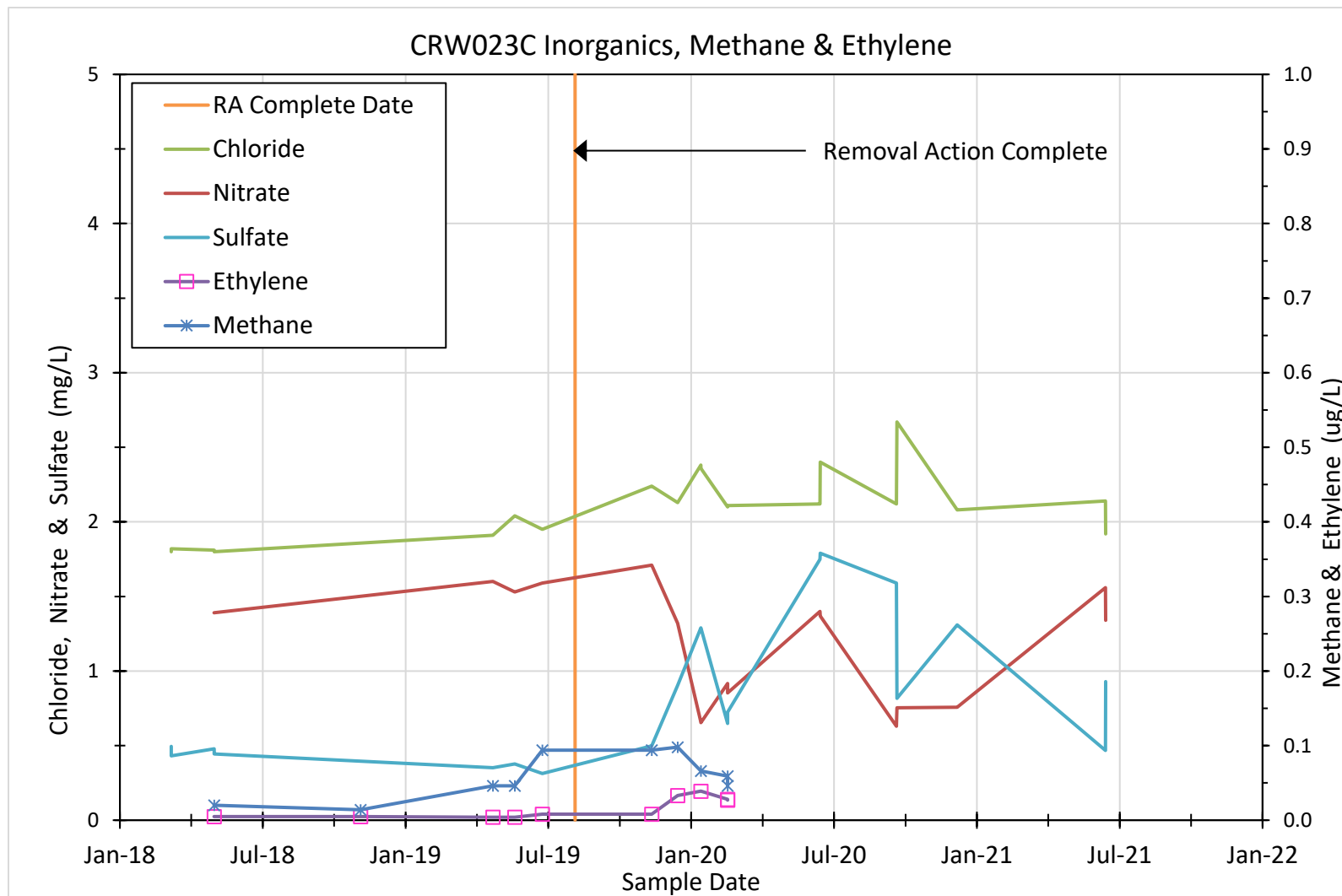


Figure 13. CRW023C Post-RA Groundwater Trends

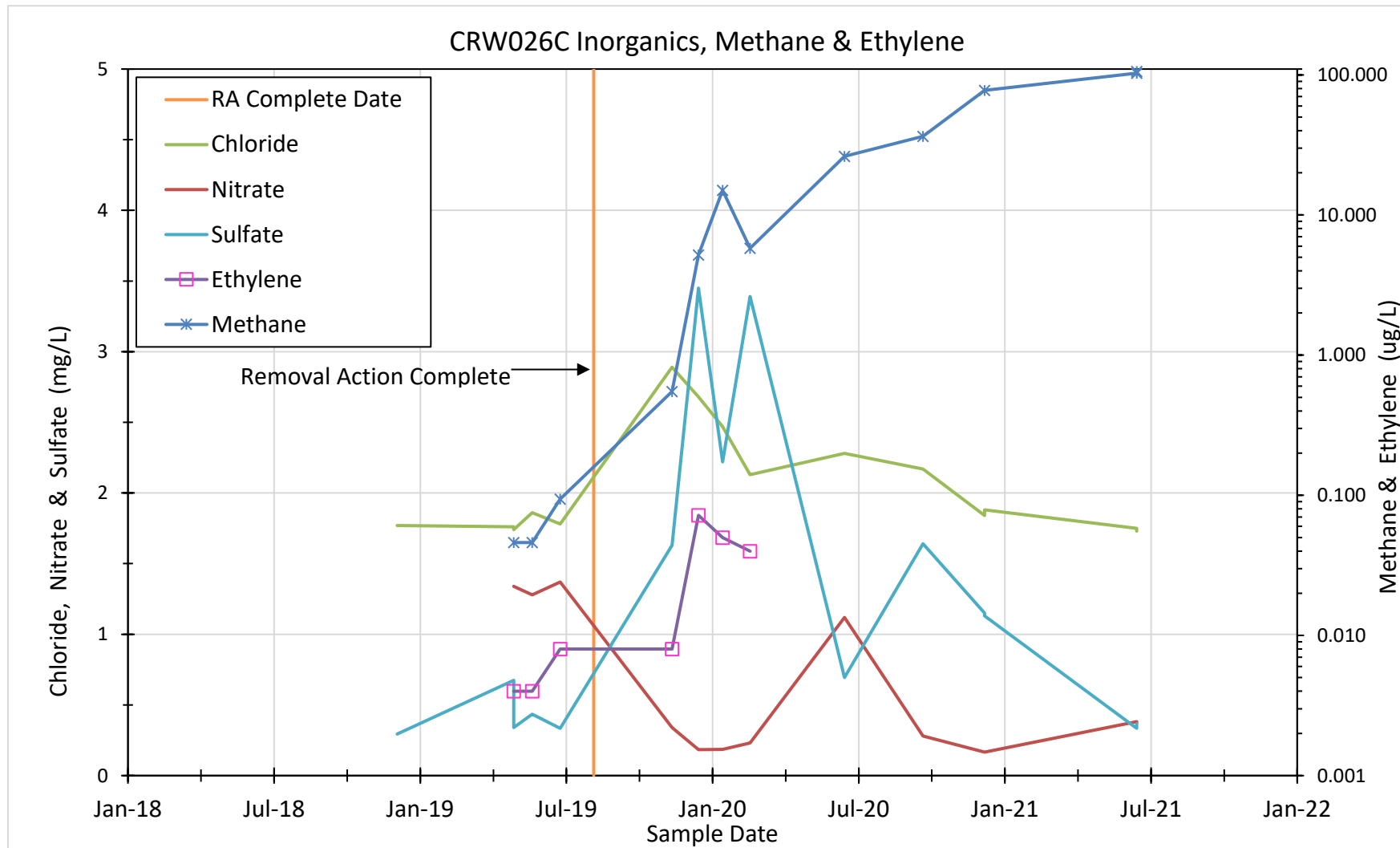


Figure 14. CRW026C Post-RA Groundwater Trends

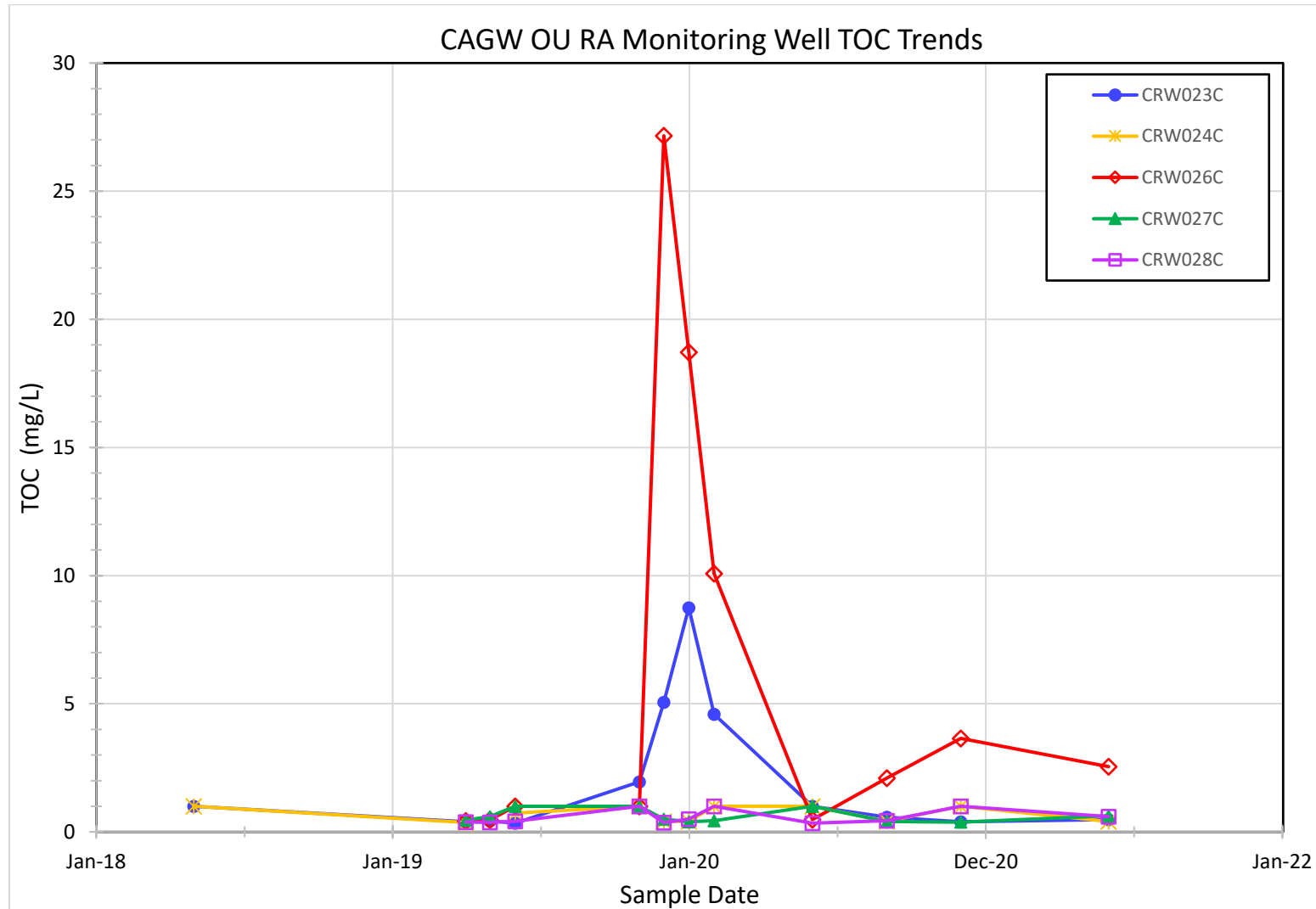


Figure 15. Post-RA TOC Groundwater Trends

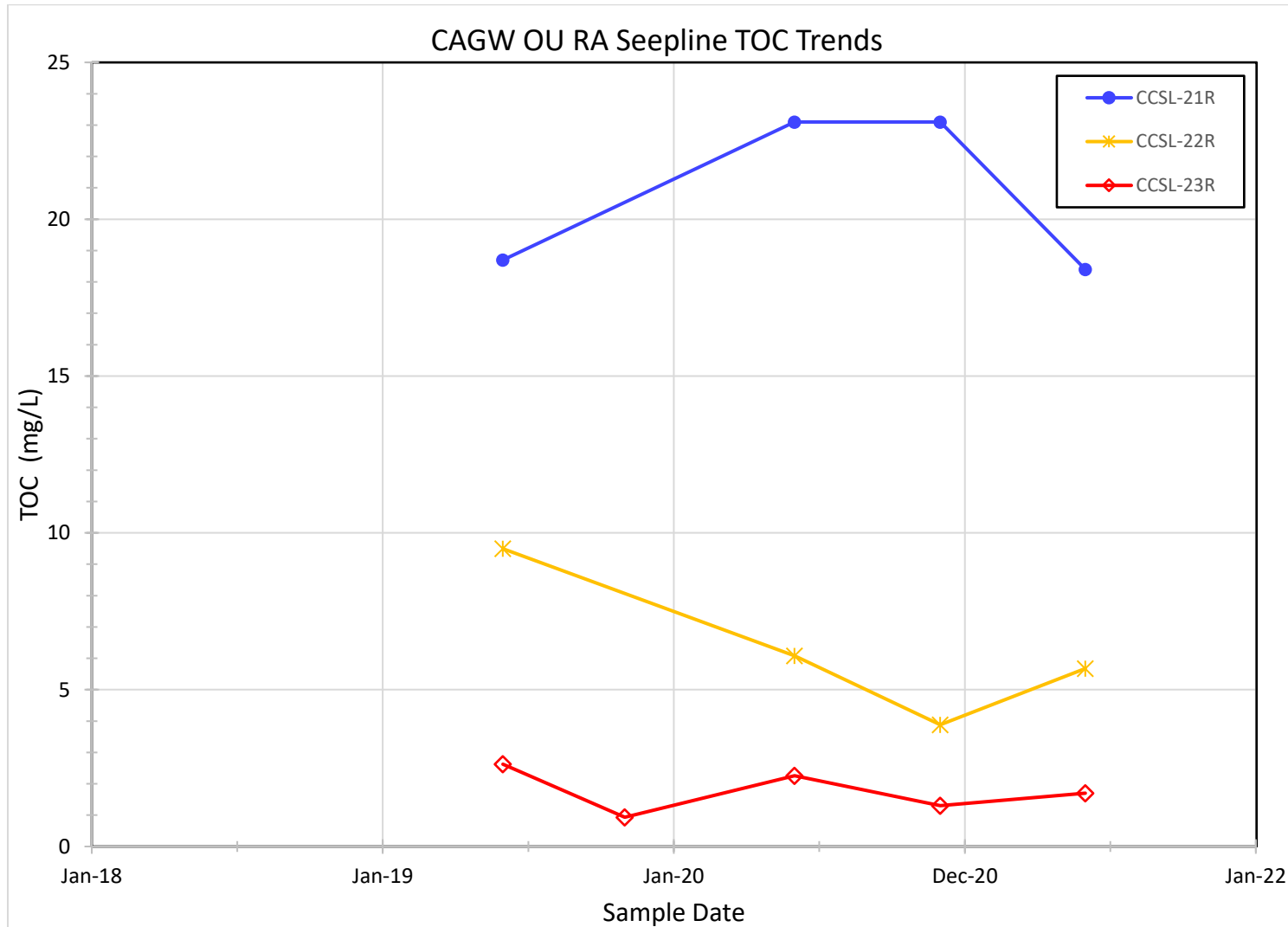


Figure 16. Post-RA TOC Groundwater Trends

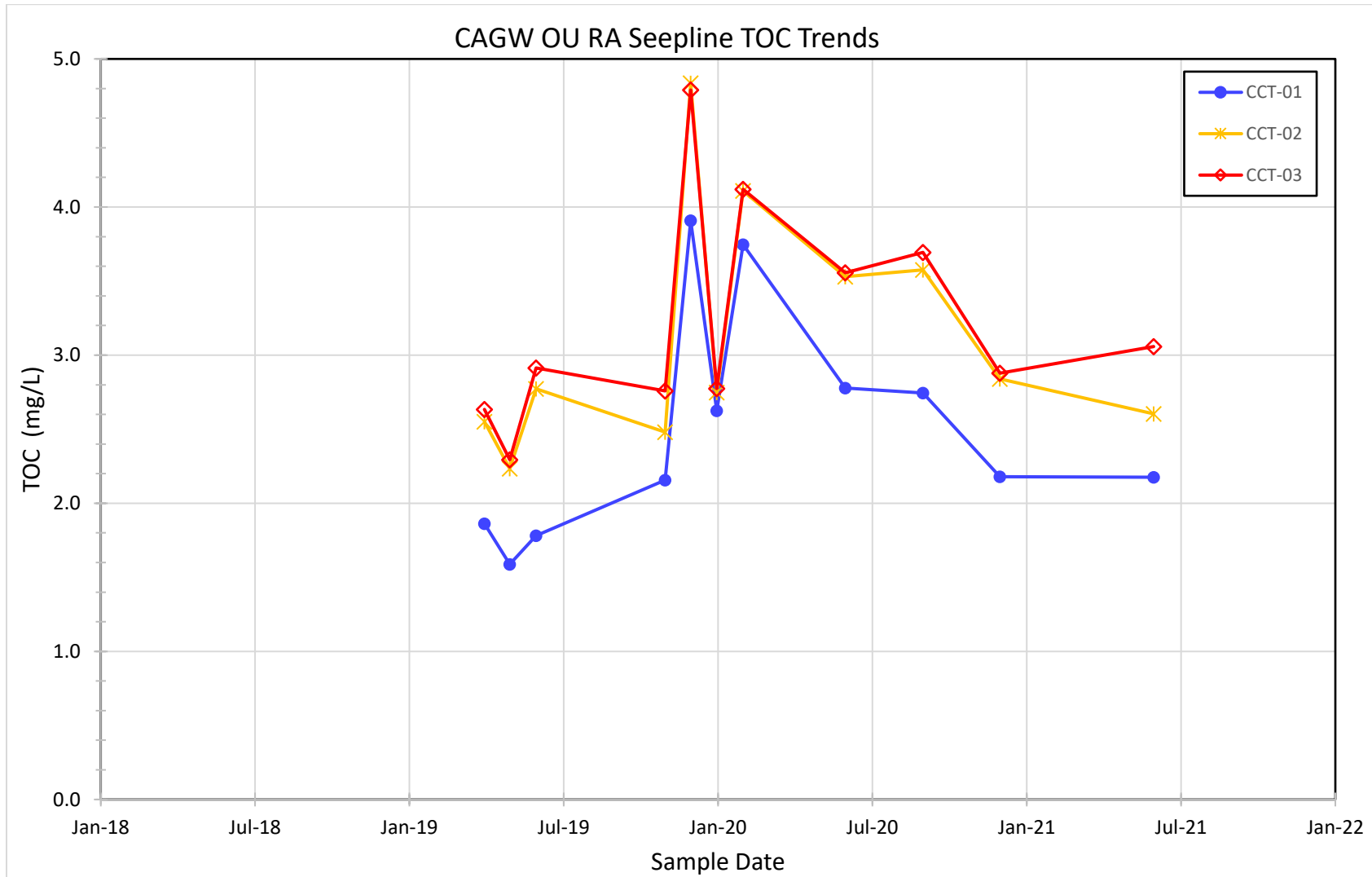


Figure 17. Post-RA TOC Groundwater Trends

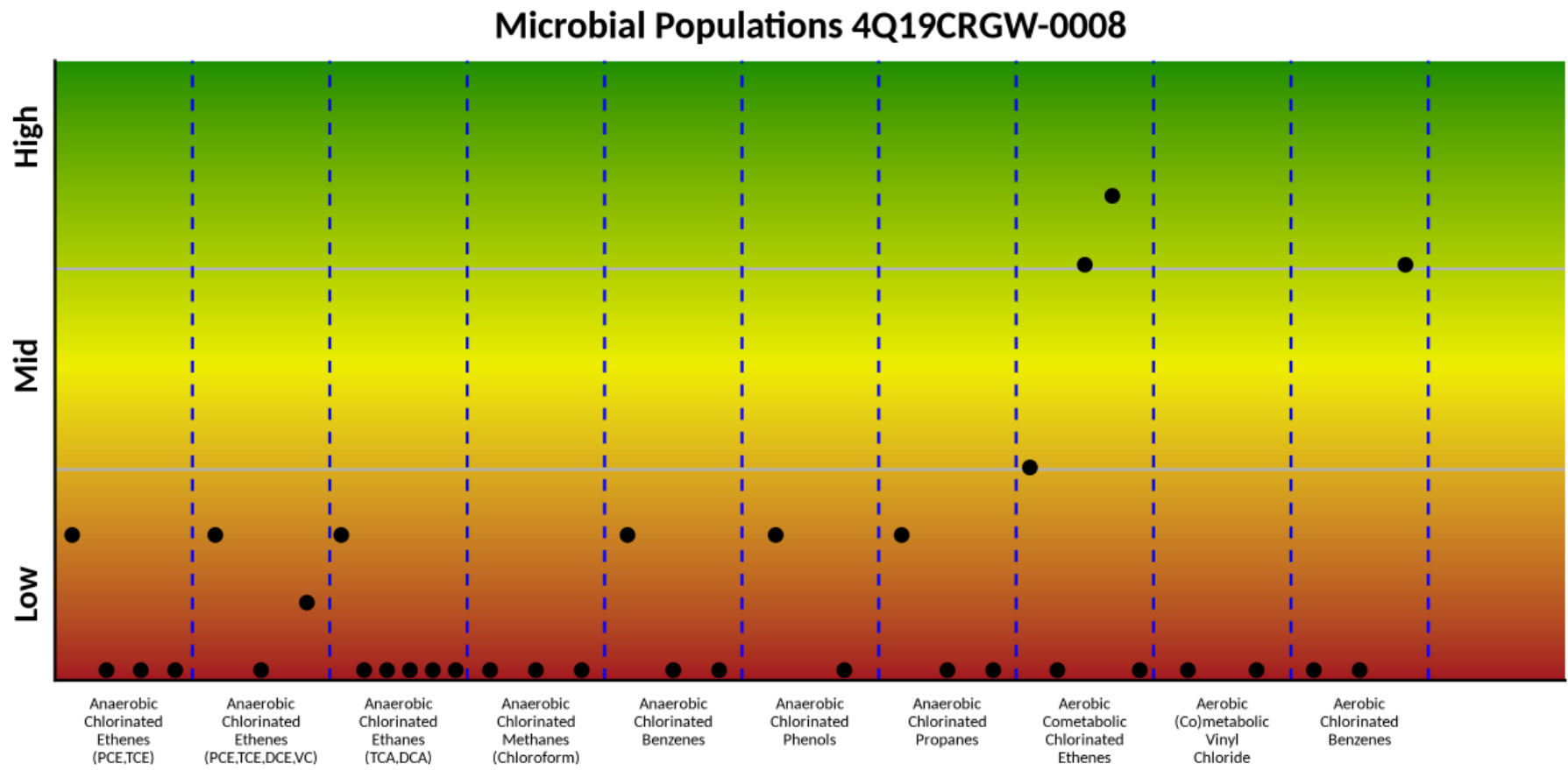


Figure 18. CRW026C Microbial Activity November 2019

Microbial Populations 4Q19CRGW-0019

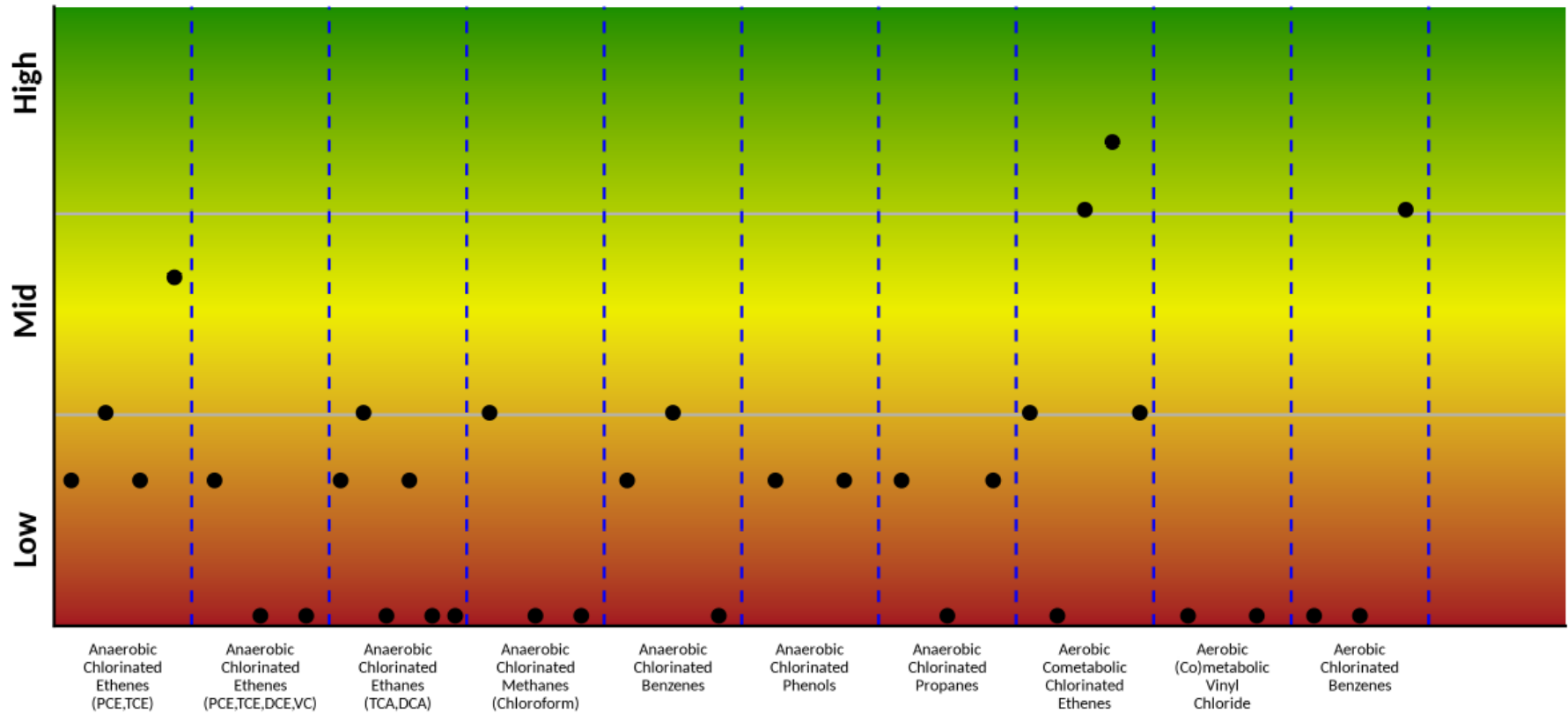


Figure 19. CRW026C Microbial Activity December 2019

Microbial Populations 4Q19CRGW-0030

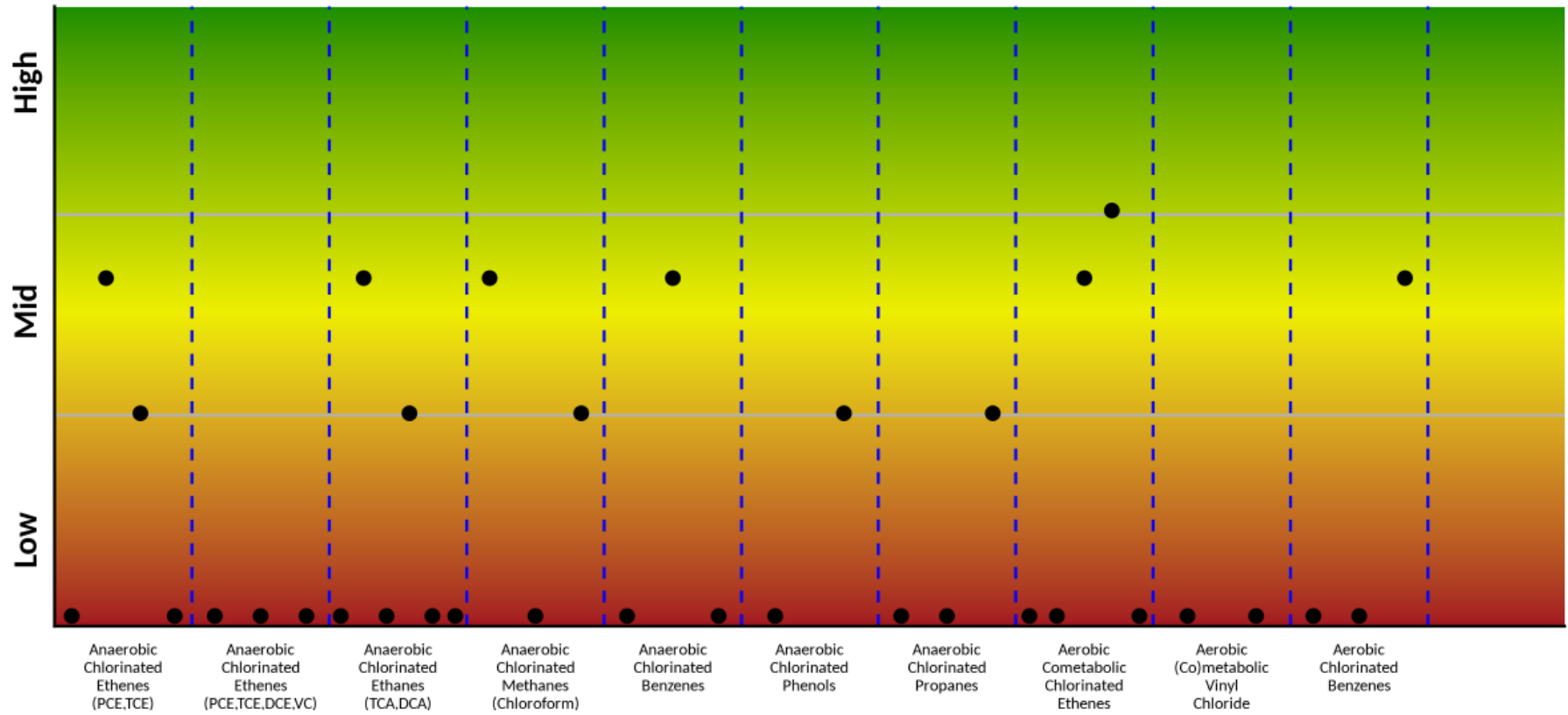


Figure 20. CRW026C Microbial Activity January 2020

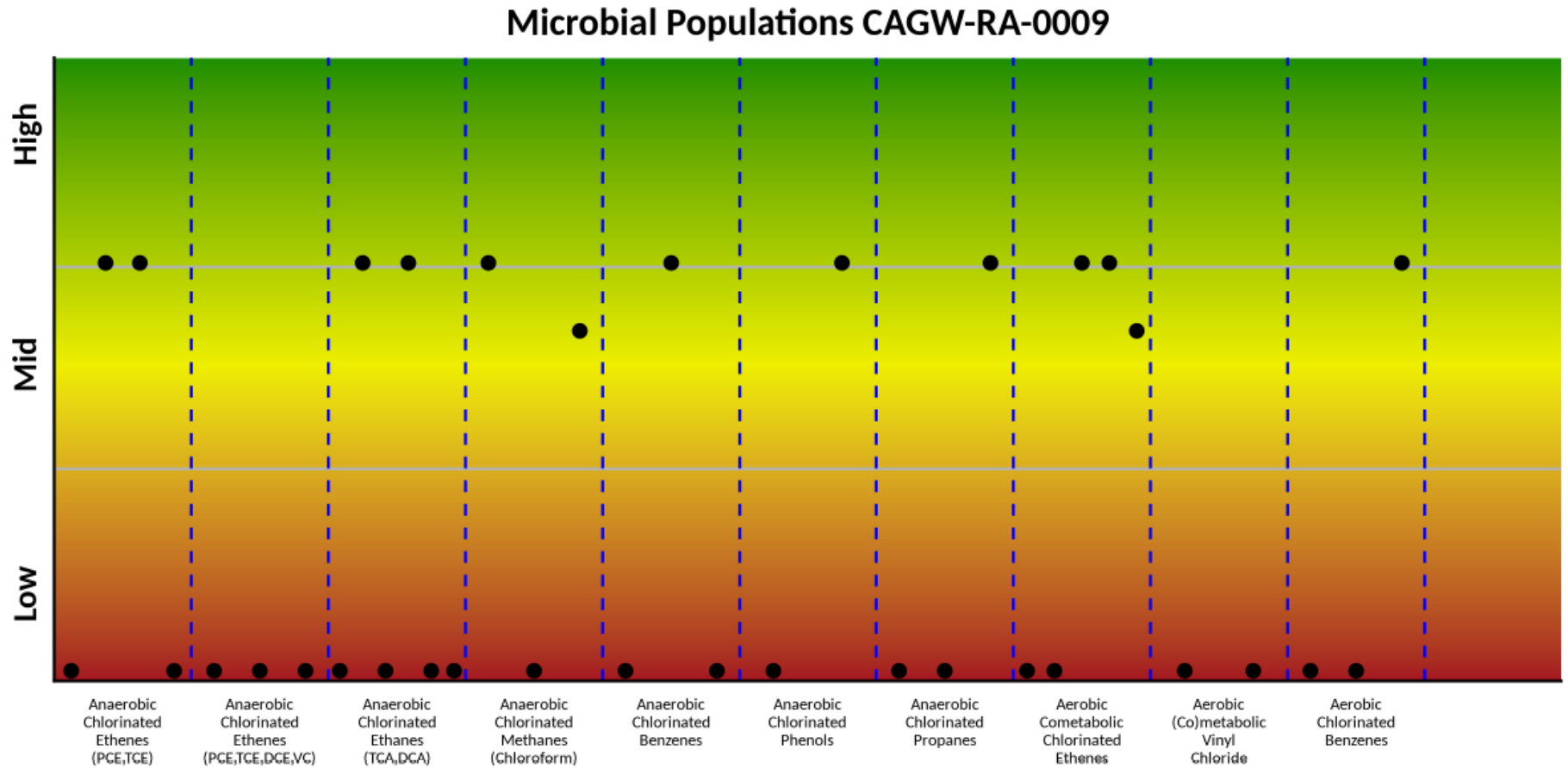


Figure 21. CRW026C Microbial Activity February 2020

Microbial Populations CAGW-RA00029

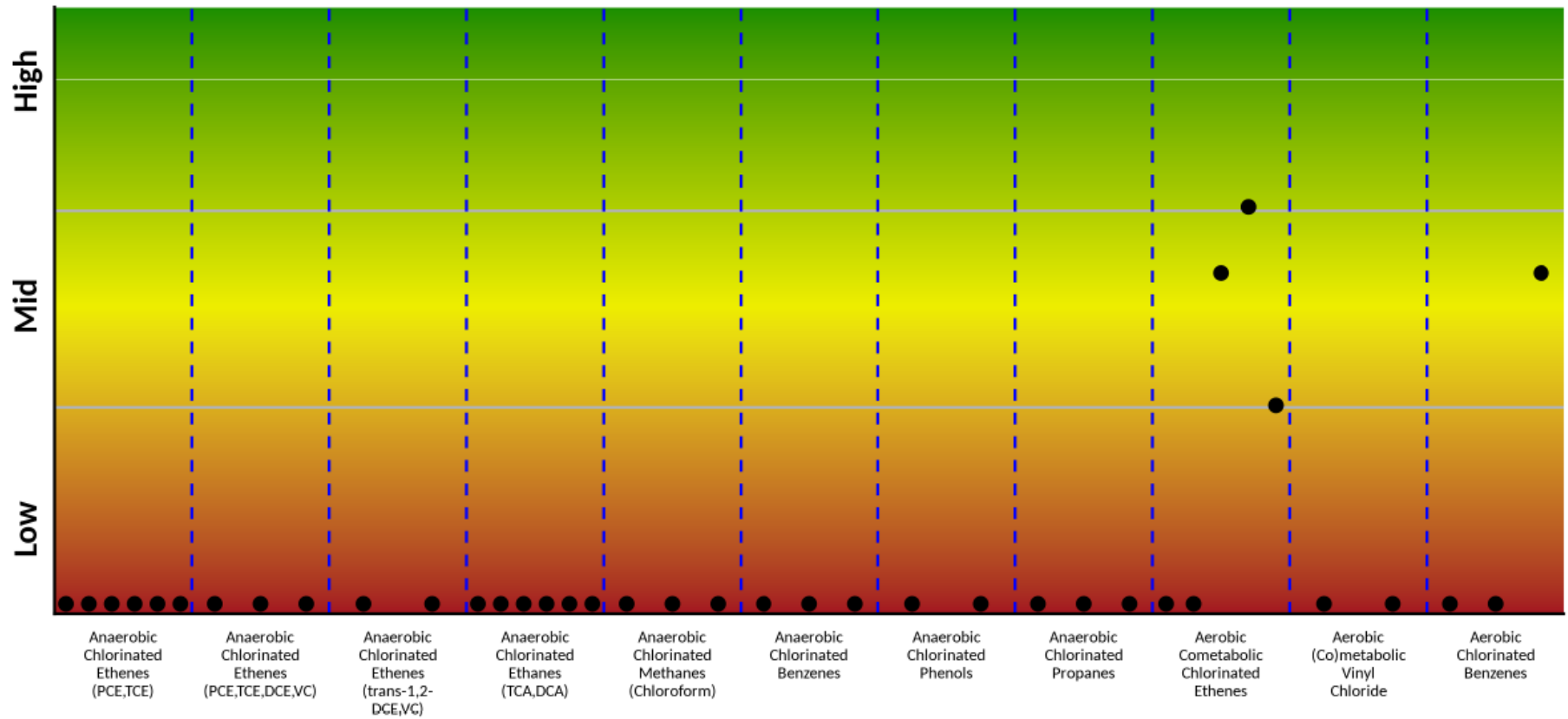


Figure 22. CRW026C Microbial Activity June 2020

Microbial Populations CAGW-RA-00041

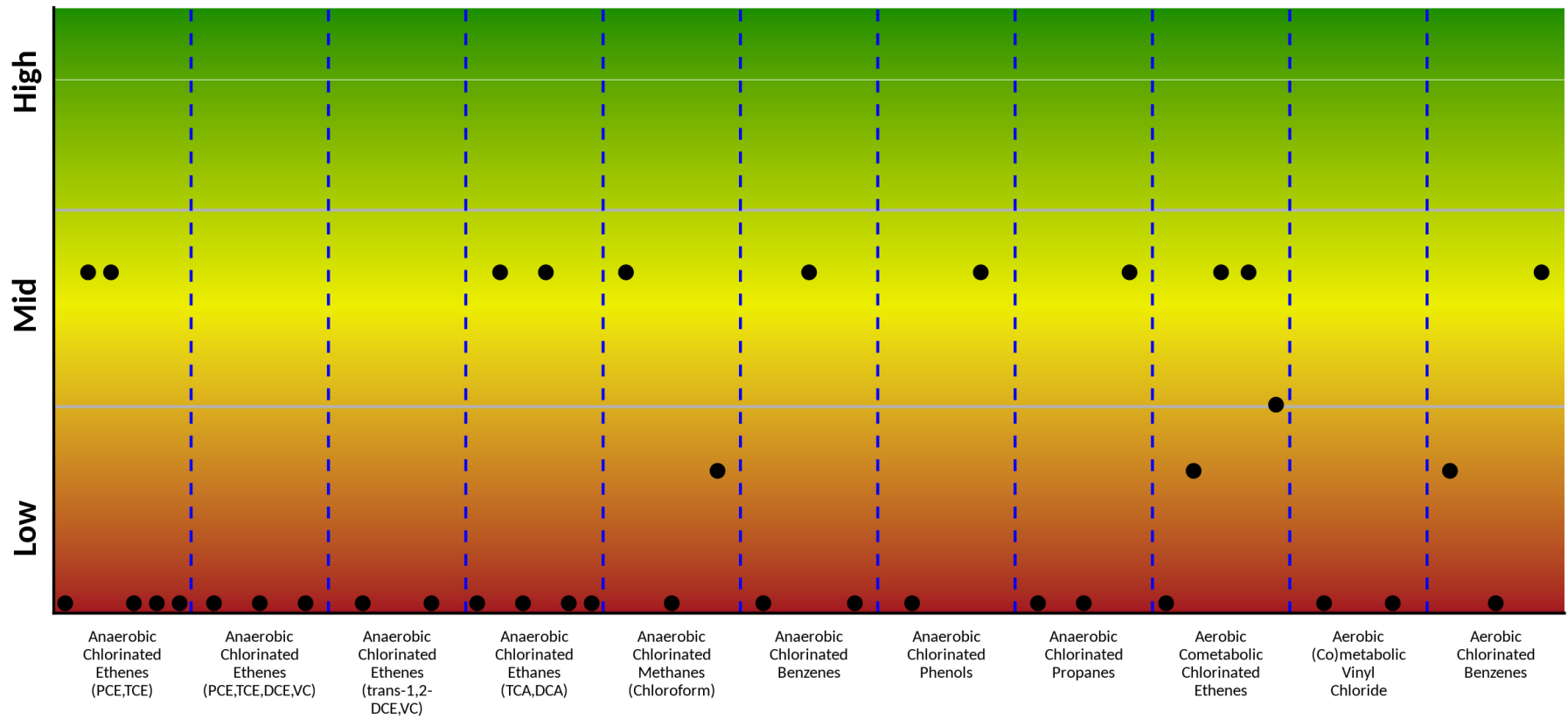


Figure 23. CRW026C Microbial Activity September 2020

Microbial Populations CAGW-RA-00061

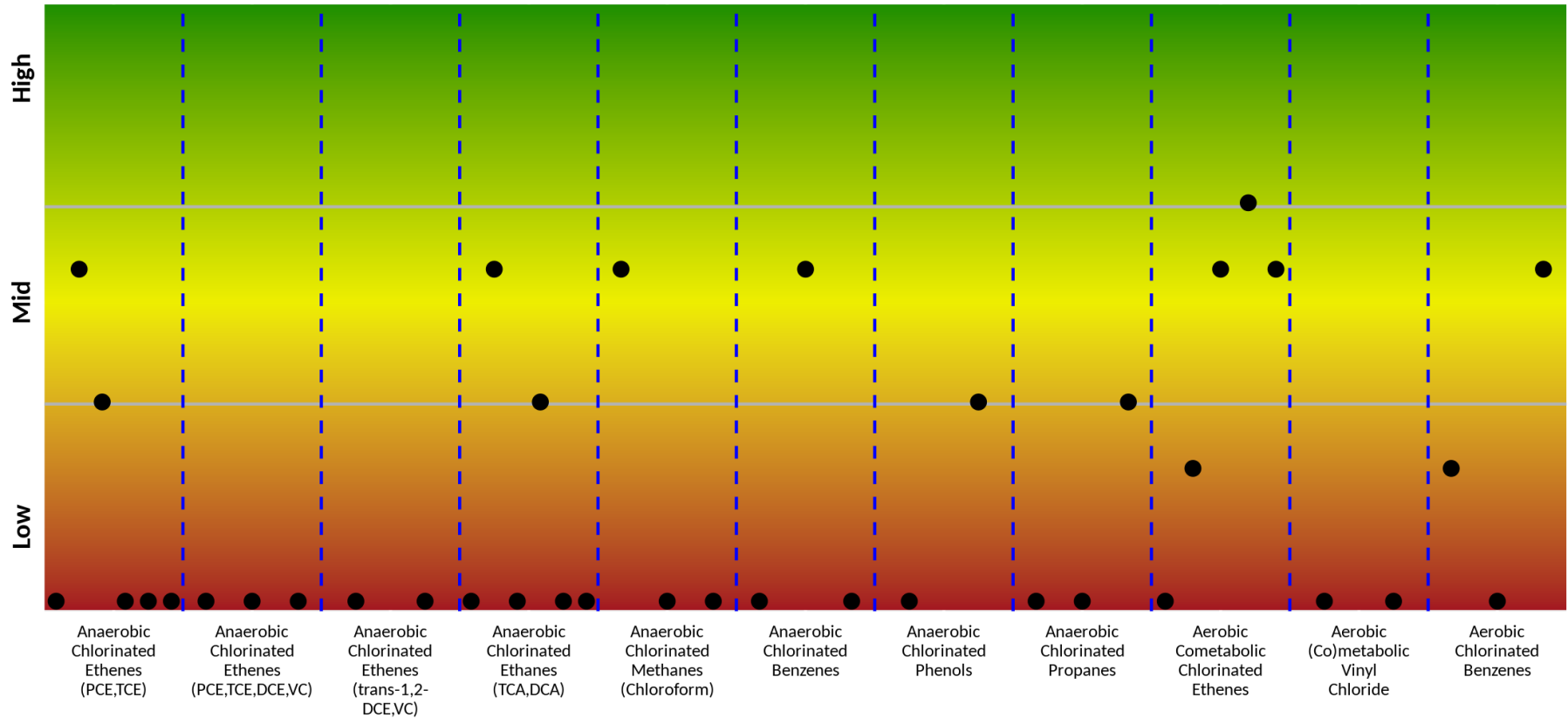


Figure 24. CRW026C Microbial Activity December 2020

Microbial Populations CAGW-RA-00067

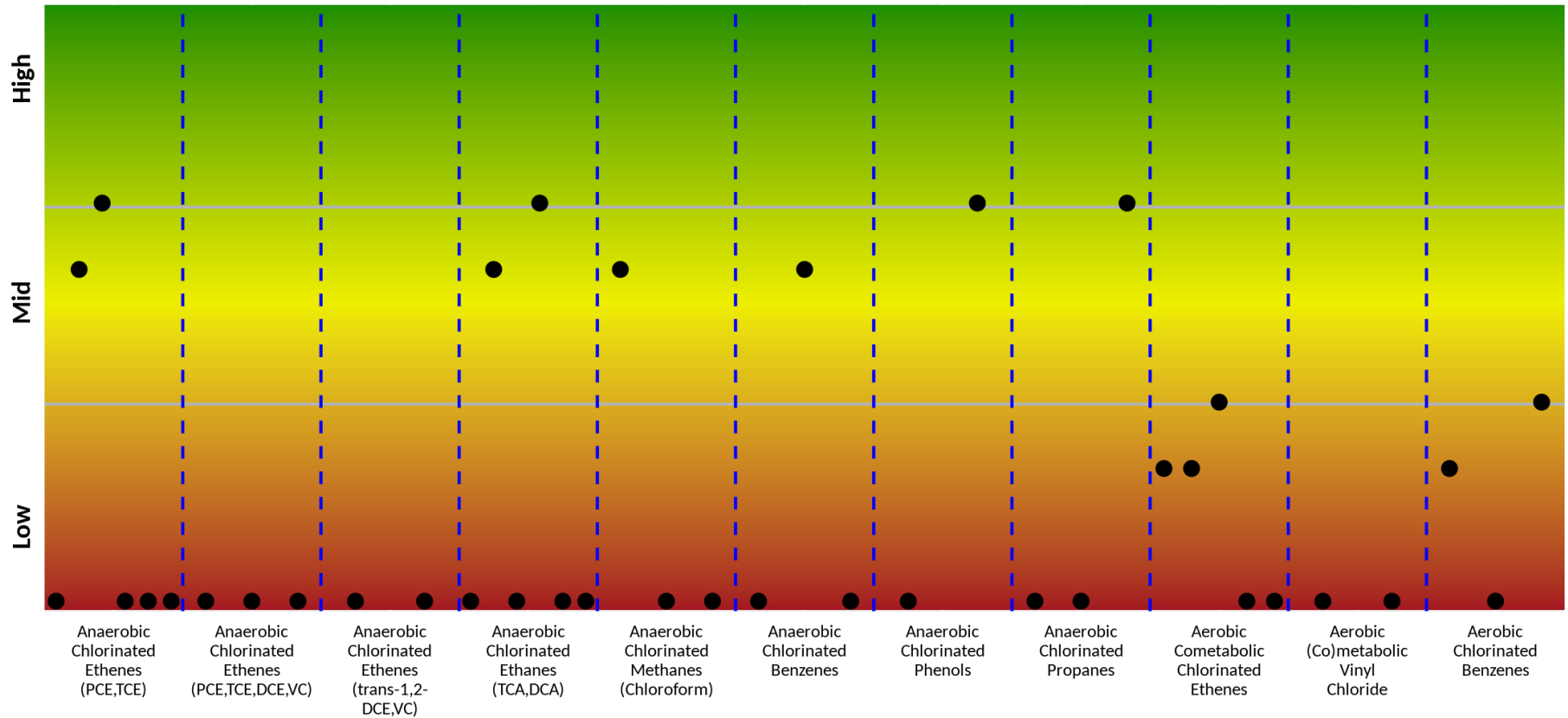


Figure 25. CRW026C Microbial Activity June 2021

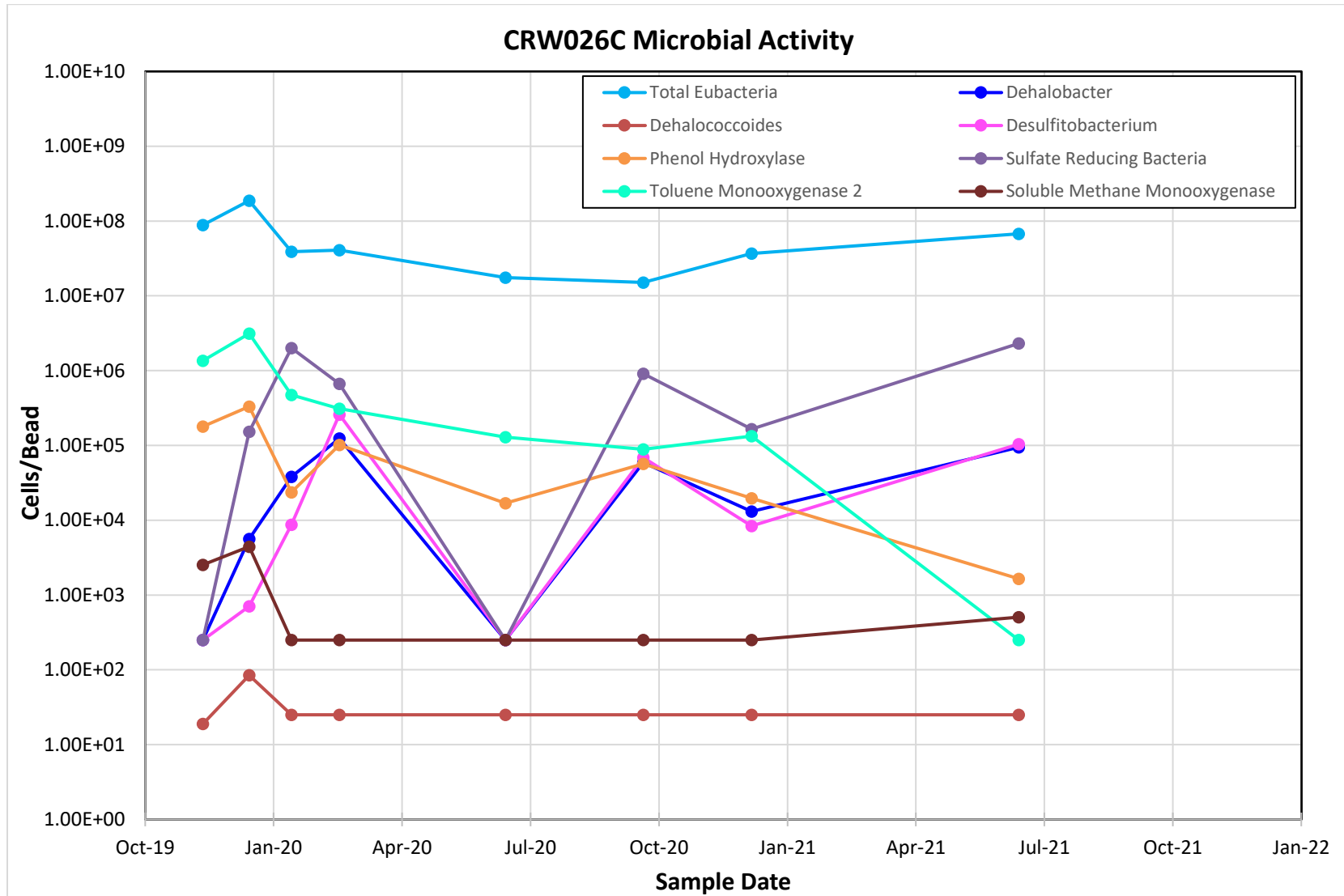


Figure 26. CRW026C Microbial Assemblages

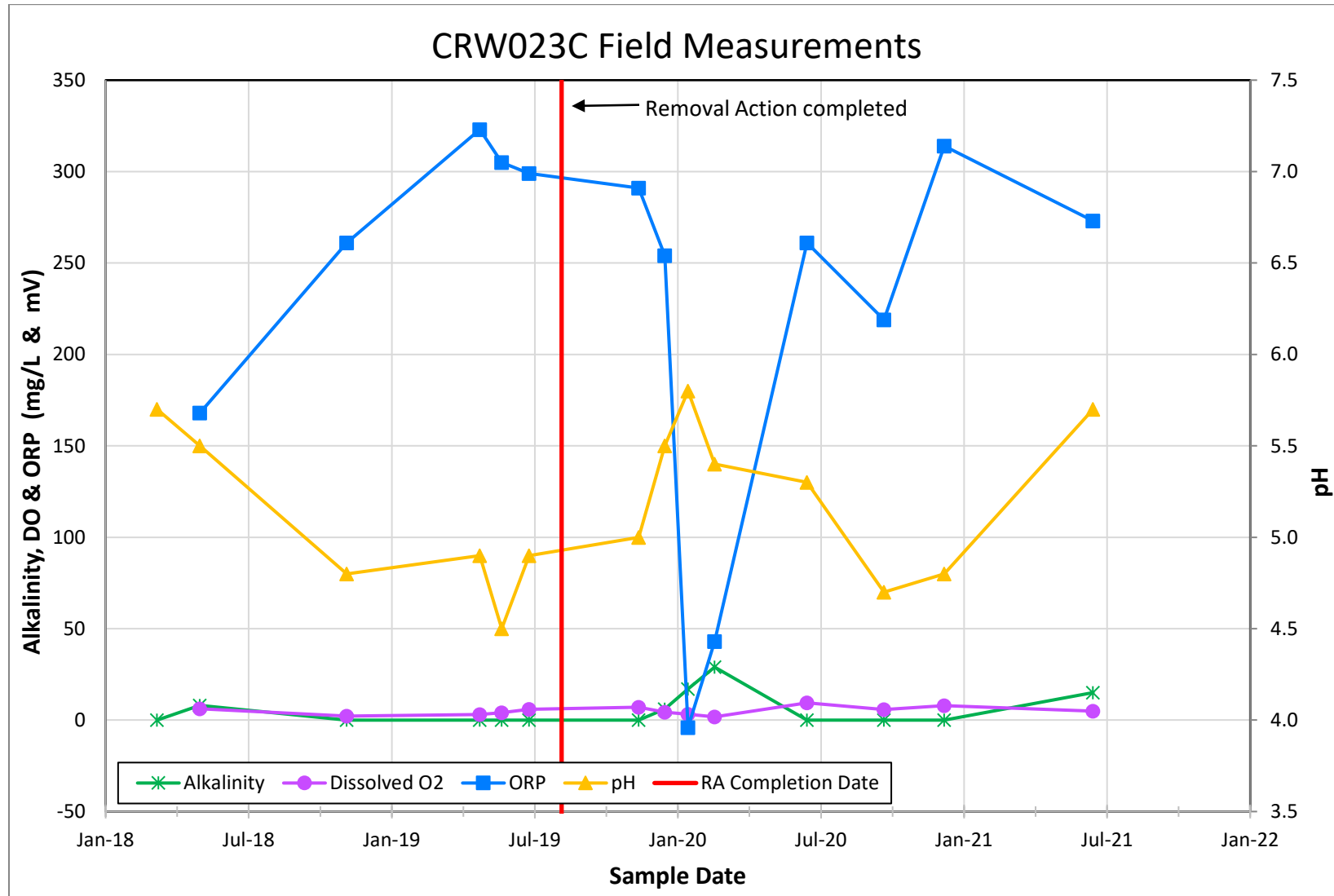


Figure 27. CRW023C Field Measurement Trends

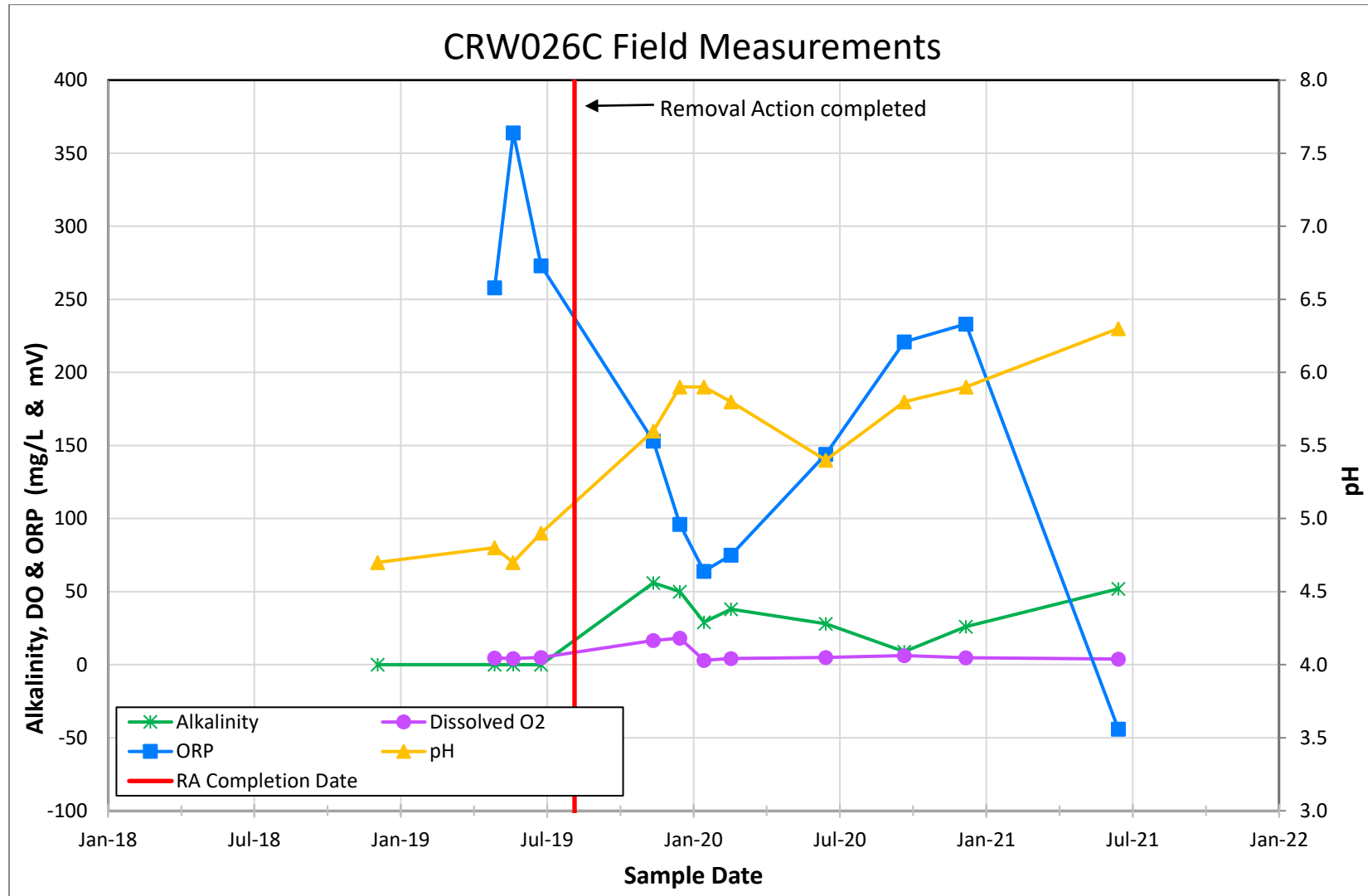


Figure 28. CRW026C Field Measurement Trends

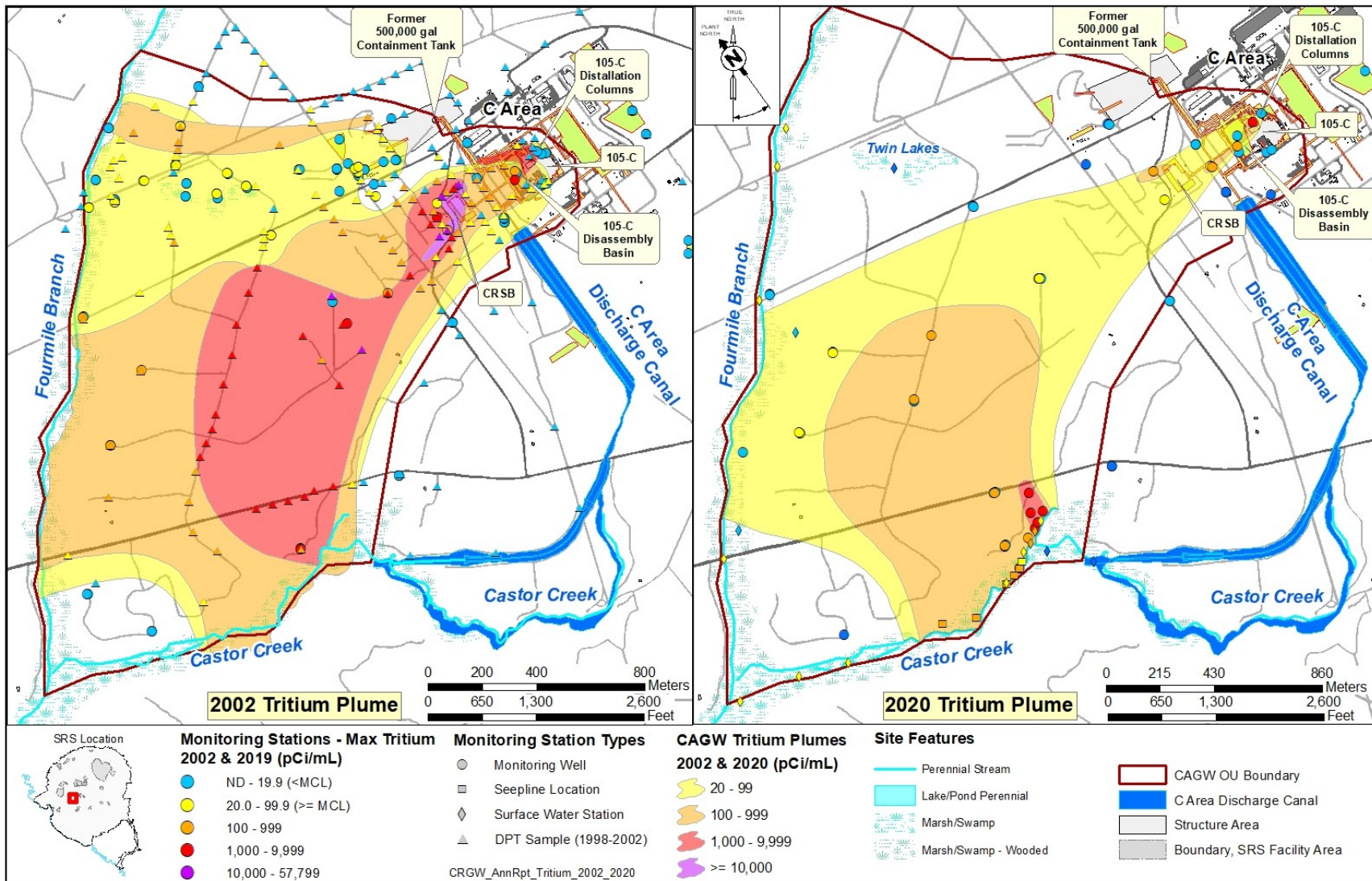


Figure 29. CAGW OU Tritium Plume 2002 and 2020

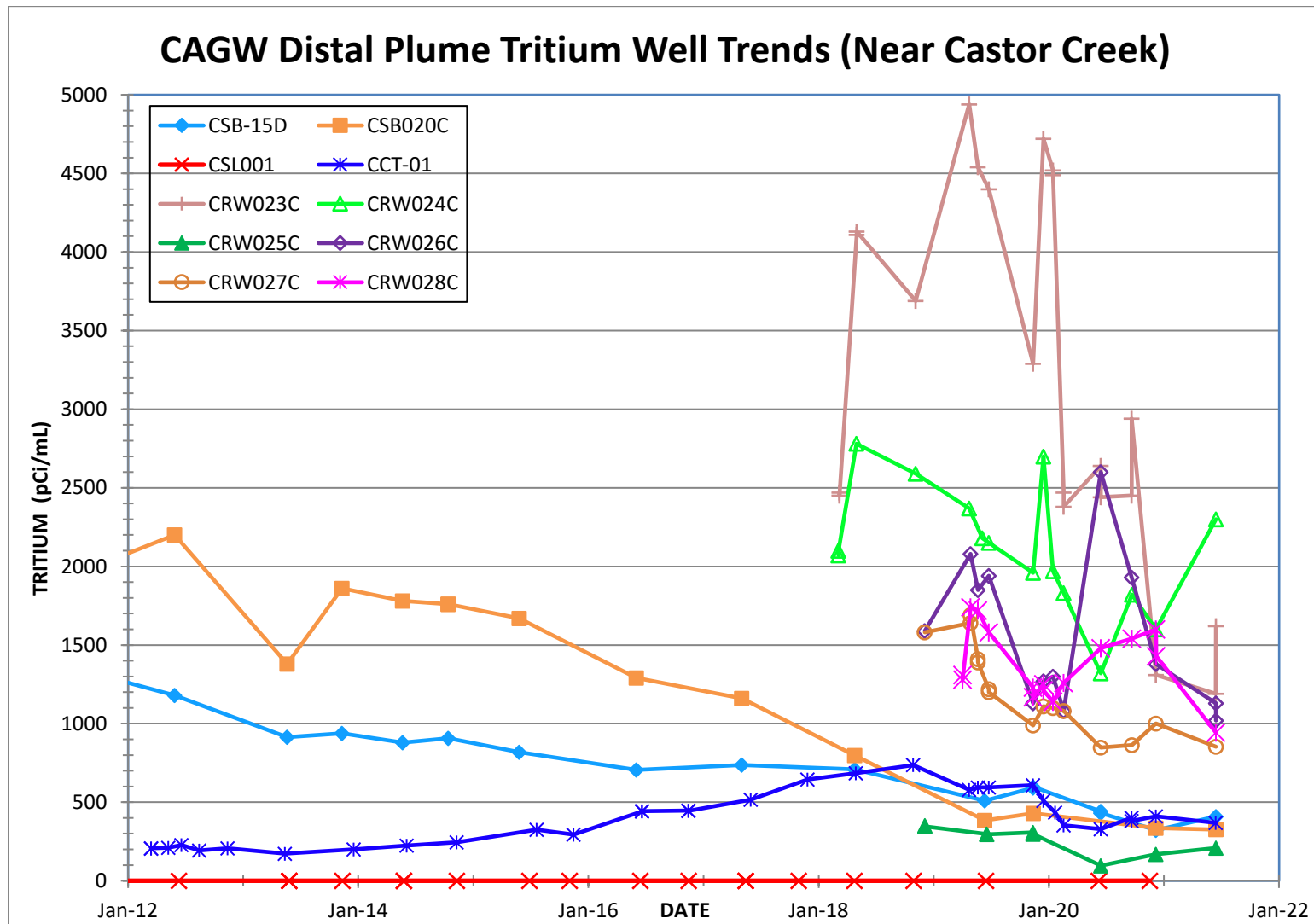


Figure 30. CAGW OU Tritium Distal Plume Trends

Table 1. Sampling and Reporting Schedule

Fiscal Year	Quarter	RA Stations	RA Peripheral Stations	CAGW OU Stations	Report
FY2020	Oct-Dec	M			
	Jan-Mar	X			
	Apr-Jun	X	X	X	
	July-Sep	X			X
FY2021	Oct-Dec	X	X	X	
	Jan-Mar				
	Apr-Jun	X	X	X	
	July-Sep				X
FY2022	Oct-Dec	X	X	X	
	Jan-Mar				
	Apr-Jun	X	X	X	
	July-Sep				X
FY2023	Oct-Dec	X	X	X	
	Jan-Mar				
	Apr-Jun	X	X	X	
	July-Sep				X
FY2024	Oct-Dec	X	X	X	
	Jan-Mar				
	Apr-Jun	X	X	X	
	July-Sep				X

Table 1 Notes:

M = Monthly

X = 1 sample event that quarter.

Table 2. MCLs for Groundwater Constituents

VOCs and Tritium	MCL	Units
1,2-dichloroethylene*	70	µg/L
cis-1,2-dichloroethylene	70	µg/L
Tetrachloroethylene	5	µg/L
trans-1,2-dichloroethylene	100	µg/L
Trichloroethylene	5	µg/L
Tritium	20	pCi/mL
Vinyl Chloride	2	µg/L

Table 3. Groundwater Maximum Concentrations

Station ID	Well Type	Constituent	Maximum July 2020 – June 2021	Monitoring Program
CRW021DR	Monitoring Well	1,2-dichloroethylene	1.68 µg/L	CAGW OU
CRW021DR	Monitoring Well	cis-1,2-dichloroethylene	1.68 µg/L	CAGW OU
CRW 10C	Monitoring Well	Tetrachloroethylene	1.79 µg/L	CAGW OU
CRW021DR*	Monitoring Well	trans-1,2-dichloroethylene	MDL 0.333 µg/L	CAGW OU
CRW020D	Monitoring Well	Trichloroethylene	207 µg/L	CAGW OU
CTA003D	Monitoring Well	Tritium	1,040 pCi/mL	CAGW OU
CRW021DR*	Monitoring Well	Vinyl Chloride	MDL 0.666 µg/L	CAGW OU
CCSL-23R	Seepline Station	1,2-dichloroethylene	1.09 µg/L	CAGW OU NTC RA
CCSL-23R	Seepline Station	cis-1,2-dichloroethylene	1.09 µg/L	CAGW OU NTC RA
CCSL-14	Monitoring Well	Tetrachloroethylene	0.68 µg/L	CAGW OU NTC RA
CCSL-23R*	Monitoring Well	trans-1,2-dichloroethylene	MDL 0.333 µg/L	CAGW OU NTC RA
CSB020C	Monitoring Well	Trichloroethylene	41.6 µg/L	CAGW OU NTC RA
CRW023C	Monitoring Well	Tritium	2,940 pCi/mL	CAGW OU NTC RA
CCSL-23R*	Monitoring Well	Vinyl Chloride	MDL 0.333 µg/L	CAGW OU NTC RA

Table 3 Notes:
 * = All stations had results less than the MDL. Wells selected based on highest cis-1,2-dichloroethylene results.
 MDL = Method Detection Limit (value).

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-08	12/7/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	6/15/21	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	12/7/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	6/15/21	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	12/7/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-08	6/15/21	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-08	12/7/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	6/15/21	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	12/7/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	6/15/21	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	12/7/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	6/15/21	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	12/7/20	Dehalobacter spp.	Reductive Dechlorination	1660	=	cells/bead	5	250
CCSL-08	6/15/21	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	12/7/20	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	6/15/21	Dehalobium chlorocoercia	Reductive Dechlorination	2000	=	cells/bead	5	250
CCSL-08	12/7/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-08	6/15/21	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-08	12/7/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	6/15/21	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	12/7/20	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	6/15/21	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	12/7/20	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	6/15/21	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	12/7/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-08	6/15/21	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-08	12/7/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-08	6/15/21	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-08	12/7/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-08	6/15/21	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-08	12/7/20	Methanogens	Other	250	<	cells/bead	5	250
CCSL-08	6/15/21	Methanogens	Other	250	<	cells/bead	5	250
CCSL-08	12/7/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CCSL-08	6/15/21	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CCSL-08	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	12/7/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	740000	=	cells/bead	5	250
CCSL-08	6/15/21	Phenol Hydroxylase	Aerobic (Co)Metabolic	202000	=	cells/bead	5	250
CCSL-08	12/7/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-08	6/15/21	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-08	12/7/20	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CCSL-08	6/15/21	Sulfate Reducing Bacteria	Other	13900	=	cells/bead	5	250
CCSL-08	12/7/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-08	6/15/21	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-08	12/7/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-08	6/15/21	Toluene Dioxygenase	Aerobic (Co)Metabolic	3630	=	cells/bead	5	250
CCSL-08	12/7/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	363000	=	cells/bead	5	250
CCSL-08	6/15/21	Toluene Monooxygenase	Aerobic (Co)Metabolic	60700	=	cells/bead	5	250
CCSL-08	12/7/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	701000	=	cells/bead	5	250
CCSL-08	6/15/21	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	786000	=	cells/bead	5	250
CCSL-08	12/7/20	Total Eubacteria	Other	80200000	=	cells/bead	5	250
CCSL-08	6/15/21	Total Eubacteria	Other	72000000	=	cells/bead	5	250
CCSL-08	12/7/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-08	6/15/21	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-08	12/7/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-08	6/15/21	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-08	12/7/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-08	6/15/21	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-11	12/7/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	6/15/21	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	12/7/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	6/15/21	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	12/7/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-11	6/15/21	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-11	12/7/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	6/15/21	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	12/7/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	6/15/21	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	12/7/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	6/15/21	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	12/7/20	Dehalobacter spp.	Reductive Dechlorination	810	=	cells/bead	5	250
CCSL-11	6/15/21	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	12/7/20	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	6/15/21	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	12/7/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-11	6/15/21	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-11	12/7/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	6/15/21	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	12/7/20	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	6/15/21	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	12/7/20	Desulfuromonas spp.	Reductive Dechlorination	179	J	cells/bead	5	250
CCSL-11	6/15/21	Desulfuromonas spp.	Reductive Dechlorination	1920	=	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-11	12/7/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-11	6/15/21	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-11	12/7/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-11	6/15/21	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-11	12/7/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-11	6/15/21	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-11	12/7/20	Methanogens	Other	250	<	cells/bead	5	250
CCSL-11	6/15/21	Methanogens	Other	250	<	cells/bead	5	250
CCSL-11	12/7/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CCSL-11	6/15/21	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CCSL-11	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	12/7/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	6240	=	cells/bead	5	250
CCSL-11	6/15/21	Phenol Hydroxylase	Aerobic (Co)Metabolic	222000	=	cells/bead	5	250
CCSL-11	12/7/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-11	6/15/21	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-11	12/7/20	Sulfate Reducing Bacteria	Other	1030	=	cells/bead	5	250
CCSL-11	6/15/21	Sulfate Reducing Bacteria	Other	18100	=	cells/bead	5	250
CCSL-11	12/7/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-11	6/15/21	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-11	12/7/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-11	6/15/21	Toluene Dioxygenase	Aerobic (Co)Metabolic	750	=	cells/bead	5	250
CCSL-11	12/7/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	22500	=	cells/bead	5	250
CCSL-11	6/15/21	Toluene Monooxygenase	Aerobic (Co)Metabolic	276000	=	cells/bead	5	250
CCSL-11	12/7/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	233000	=	cells/bead	5	250
CCSL-11	6/15/21	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1370000	=	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-11	12/7/20	Total Eubacteria	Other	65600000	=	cells/bead	5	250
CCSL-11	6/15/21	Total Eubacteria	Other	92000000	=	cells/bead	5	250
CCSL-11	12/7/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	6/15/21	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-11	12/7/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-11	6/15/21	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-11	12/7/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-11	6/15/21	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-14	12/7/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	6/15/21	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	12/7/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	6/15/21	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	12/7/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-14	6/15/21	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-14	12/7/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	6/15/21	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	12/7/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	6/15/21	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	12/7/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	6/15/21	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	12/7/20	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	6/15/21	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	12/7/20	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	6/15/21	Dehalobium chlorocoercia	Reductive Dechlorination	410	=	cells/bead	5	250
CCSL-14	12/7/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-14	6/15/21	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-14	12/7/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	6/15/21	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-14	12/7/20	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	6/15/21	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	12/7/20	Desulfuromonas spp.	Reductive Dechlorination	18.5	J	cells/bead	5	250
CCSL-14	6/15/21	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	12/7/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-14	6/15/21	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-14	12/7/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-14	6/15/21	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-14	12/7/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-14	6/15/21	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-14	12/7/20	Methanogens	Other	250	<	cells/bead	5	250
CCSL-14	6/15/21	Methanogens	Other	250	<	cells/bead	5	250
CCSL-14	12/7/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CCSL-14	6/15/21	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CCSL-14	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	12/7/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	35800	=	cells/bead	5	250
CCSL-14	6/15/21	Phenol Hydroxylase	Aerobic (Co)Metabolic	33000	=	cells/bead	5	250
CCSL-14	12/7/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-14	6/15/21	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-14	12/7/20	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CCSL-14	6/15/21	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CCSL-14	12/7/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-14	6/15/21	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-14	12/7/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-14	6/15/21	Toluene Dioxygenase	Aerobic (Co)Metabolic	634	=	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-14	12/7/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	216000	=	cells/bead	5	250
CCSL-14	6/15/21	Toluene Monooxygenase	Aerobic (Co)Metabolic	32500	=	cells/bead	5	250
CCSL-14	12/7/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	799000	=	cells/bead	5	250
CCSL-14	6/15/21	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	736000	=	cells/bead	5	250
CCSL-14	12/7/20	Total Eubacteria	Other	75300000	=	cells/bead	5	250
CCSL-14	6/15/21	Total Eubacteria	Other	60700000	=	cells/bead	5	250
CCSL-14	12/7/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	6/15/21	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-14	12/7/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-14	6/15/21	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-14	12/7/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-14	6/15/21	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-23R	12/7/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	6/15/21	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	12/7/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	6/15/21	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	12/7/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-23R	6/15/21	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-23R	12/7/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	6/15/21	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	12/7/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	6/15/21	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	12/7/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	6/15/21	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	12/7/20	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	6/15/21	Dehalobacter spp.	Reductive Dechlorination	143	J	cells/bead	5	250
CCSL-23R	12/7/20	Dehalobium chloroercoia	Reductive Dechlorination	3680	=	cells/bead	5	250
CCSL-23R	6/15/21	Dehalobium chloroercoia	Reductive Dechlorination	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-23R	12/7/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-23R	6/15/21	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-23R	12/7/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	6/15/21	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	12/7/20	Desulfitobacterium spp.	Reductive Dechlorination	1320	=	cells/bead	5	250
CCSL-23R	6/15/21	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	12/7/20	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	6/15/21	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	12/7/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-23R	6/15/21	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-23R	12/7/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-23R	6/15/21	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-23R	12/7/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-23R	6/15/21	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-23R	12/7/20	Methanogens	Other	13.1	J	cells/bead	5	250
CCSL-23R	6/15/21	Methanogens	Other	250	<	cells/bead	5	250
CCSL-23R	12/7/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CCSL-23R	6/15/21	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CCSL-23R	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	12/7/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	13100	=	cells/bead	5	250
CCSL-23R	6/15/21	Phenol Hydroxylase	Aerobic (Co)Metabolic	5740	=	cells/bead	5	250
CCSL-23R	12/7/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-23R	6/15/21	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-23R	12/7/20	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CCSL-23R	6/15/21	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-23R	12/7/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-23R	6/15/21	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-23R	12/7/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	72.7	J	cells/bead	5	250
CCSL-23R	6/15/21	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-23R	12/7/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-23R	6/15/21	Toluene Monooxygenase	Aerobic (Co)Metabolic	7620	=	cells/bead	5	250
CCSL-23R	12/7/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	79000	=	cells/bead	5	250
CCSL-23R	6/15/21	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	67100	=	cells/bead	5	250
CCSL-23R	12/7/20	Total Eubacteria	Other	6230000	=	cells/bead	5	250
CCSL-23R	6/15/21	Total Eubacteria	Other	4950000	=	cells/bead	5	250
CCSL-23R	12/7/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	6/15/21	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CCSL-23R	12/7/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-23R	6/15/21	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CCSL-23R	12/7/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CCSL-23R	6/15/21	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	9/21/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW023C	9/21/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	9/21/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	12/7/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	12/7/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	6/15/21	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	6/15/21	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	9/21/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW023C	6/15/21	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	9/21/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	12/7/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	12/7/20	Dehalococcoides	Reductive Dechlorination	562	=	cells/bead	5	25
CRW023C	6/15/21	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	6/15/21	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	9/21/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	Desulfitobacterium spp.	Reductive Dechlorination	1320	=	cells/bead	5	250
CRW023C	6/15/21	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW023C	12/7/20	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	9/21/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	12/7/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	12/7/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	6/15/21	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	6/15/21	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	9/21/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	9/21/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	12/7/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	12/7/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	6/15/21	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	6/15/21	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	9/21/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	9/21/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	12/7/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	12/7/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	6/15/21	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	6/15/21	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	9/21/20	Methanogens	Other	250	<	cells/bead	5	250
CRW023C	9/21/20	Methanogens	Other	250	<	cells/bead	5	250
CRW023C	12/7/20	Methanogens	Other	250	<	cells/bead	5	250
CRW023C	12/7/20	Methanogens	Other	250	<	cells/bead	5	250
CRW023C	6/15/21	Methanogens	Other	250	<	cells/bead	5	250
CRW023C	6/15/21	Methanogens	Other	250	<	cells/bead	5	250
CRW023C	6/15/21	Methanogens	Other	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW023C	9/21/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW023C	9/21/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW023C	12/7/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW023C	12/7/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW023C	6/15/21	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW023C	6/15/21	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW023C	9/21/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	31600	=	cells/bead	5	250
CRW023C	9/21/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	73100	=	cells/bead	5	250
CRW023C	12/7/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	30900	=	cells/bead	5	250
CRW023C	12/7/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	108000	=	cells/bead	5	250
CRW023C	6/15/21	Phenol Hydroxylase	Aerobic (Co)Metabolic	37500	=	cells/bead	5	250
CRW023C	6/15/21	Phenol Hydroxylase	Aerobic (Co)Metabolic	17300	=	cells/bead	5	250
CRW023C	9/21/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	9/21/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	12/7/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	12/7/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW023C	6/15/21	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	6/15/21	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	9/21/20	Sulfate Reducing Bacteria	Other	5440	=	cells/bead	5	250
CRW023C	9/21/20	Sulfate Reducing Bacteria	Other	15800	=	cells/bead	5	250
CRW023C	12/7/20	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CRW023C	12/7/20	Sulfate Reducing Bacteria	Other	3120	=	cells/bead	5	250
CRW023C	6/15/21	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CRW023C	6/15/21	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CRW023C	9/21/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	9/21/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	12/7/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	12/7/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	6/15/21	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	6/15/21	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	9/21/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	9/21/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	12/7/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	12/7/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	6/15/21	Toluene Dioxygenase	Aerobic (Co)Metabolic	5.7	J	cells/bead	5	250
CRW023C	6/15/21	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	9/21/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	9/21/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	12/7/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	12/7/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	6/15/21	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	6/15/21	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	9/21/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	499000	=	cells/bead	5	250
CRW023C	9/21/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	636000	=	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW023C	12/7/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	434000	=	cells/bead	5	250
CRW023C	12/7/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	742000	=	cells/bead	5	250
CRW023C	6/15/21	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	393000	=	cells/bead	5	250
CRW023C	6/15/21	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	347000	=	cells/bead	5	250
CRW023C	9/21/20	Total Eubacteria	Other	7820000	=	cells/bead	5	250
CRW023C	9/21/20	Total Eubacteria	Other	12600000	=	cells/bead	5	250
CRW023C	12/7/20	Total Eubacteria	Other	18400000	=	cells/bead	5	250
CRW023C	12/7/20	Total Eubacteria	Other	47400000	=	cells/bead	5	250
CRW023C	6/15/21	Total Eubacteria	Other	19300000	=	cells/bead	5	250
CRW023C	6/15/21	Total Eubacteria	Other	12900000	=	cells/bead	5	250
CRW023C	9/21/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	12/7/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	6/15/21	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW023C	9/21/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	9/21/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	12/7/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	12/7/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	6/15/21	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	6/15/21	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW023C	9/21/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	9/21/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	12/7/20	Vinyl Chloride Reductase	Reductive Dechlorination	21.6	J	cells/bead	5	25
CRW023C	12/7/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	6/15/21	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW023C	6/15/21	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW024C	9/21/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	12/7/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	6/15/21	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	9/21/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	12/7/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	6/15/21	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	9/21/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW024C	12/7/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW024C	6/15/21	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW024C	9/21/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	12/7/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	6/15/21	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	9/21/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	12/7/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	6/15/21	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	9/21/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	12/7/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	6/15/21	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	9/21/20	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	12/7/20	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	6/15/21	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	9/21/20	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	12/7/20	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	6/15/21	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	9/21/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW024C	12/7/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW024C	6/15/21	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW024C	9/21/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW024C	12/7/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	6/15/21	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	9/21/20	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	12/7/20	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	6/15/21	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	9/21/20	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	12/7/20	Desulfuromonas spp.	Reductive Dechlorination	240	J	cells/bead	5	250
CRW024C	6/15/21	Desulfuromonas spp.	Reductive Dechlorination	133	J	cells/bead	5	250
CRW024C	9/21/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	12/7/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	6/15/21	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	9/21/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	12/7/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	6/15/21	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	9/21/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	12/7/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	6/15/21	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	9/21/20	Methanogens	Other	250	<	cells/bead	5	250
CRW024C	12/7/20	Methanogens	Other	4.8	=	cells/bead	5	250
CRW024C	6/15/21	Methanogens	Other	250	<	cells/bead	5	250
CRW024C	9/21/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW024C	12/7/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW024C	6/15/21	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW024C	9/21/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	9/21/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW024C	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	9/21/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	5380	=	cells/bead	5	250
CRW024C	12/7/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	1910	=	cells/bead	5	250
CRW024C	6/15/21	Phenol Hydroxylase	Aerobic (Co)Metabolic	11200	=	cells/bead	5	250
CRW024C	9/21/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	12/7/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	6/15/21	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	9/21/20	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CRW024C	12/7/20	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CRW024C	6/15/21	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CRW024C	9/21/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW024C	12/7/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW024C	6/15/21	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW024C	9/21/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	12/7/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	245	J	cells/bead	5	250
CRW024C	6/15/21	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	9/21/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	12/7/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	6/15/21	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	9/21/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	85100	=	cells/bead	5	250
CRW024C	12/7/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	57100	=	cells/bead	5	250
CRW024C	6/15/21	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	252000	=	cells/bead	5	250
CRW024C	9/21/20	Total Eubacteria	Other	2640000	=	cells/bead	5	250
CRW024C	12/7/20	Total Eubacteria	Other	9090000	=	cells/bead	5	250
CRW024C	6/15/21	Total Eubacteria	Other	15600000	=	cells/bead	5	250
CRW024C	9/21/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	12/7/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW024C	6/15/21	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW024C	9/21/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	12/7/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	6/15/21	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW024C	9/21/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW024C	12/7/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW024C	6/15/21	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW025C	12/7/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	6/15/21	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	12/7/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	6/15/21	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	12/7/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW025C	6/15/21	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW025C	12/7/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	6/15/21	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	12/7/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	6/15/21	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	12/7/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	6/15/21	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	12/7/20	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	6/15/21	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	12/7/20	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	6/15/21	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	12/7/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW025C	6/15/21	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW025C	12/7/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	6/15/21	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	12/7/20	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	6/15/21	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW025C	12/7/20	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	6/15/21	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	12/7/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW025C	6/15/21	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW025C	12/7/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW025C	6/15/21	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW025C	12/7/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW025C	6/15/21	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW025C	12/7/20	Methanogens	Other	250	<	cells/bead	5	250
CRW025C	6/15/21	Methanogens	Other	250	<	cells/bead	5	250
CRW025C	12/7/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW025C	6/15/21	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW025C	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	12/7/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	7770	=	cells/bead	5	250
CRW025C	6/15/21	Phenol Hydroxylase	Aerobic (Co)Metabolic	32800	=	cells/bead	5	250
CRW025C	12/7/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW025C	6/15/21	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW025C	12/7/20	Sulfate Reducing Bacteria	Other	105	J	cells/bead	5	250
CRW025C	6/15/21	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CRW025C	12/7/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW025C	6/15/21	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW025C	12/7/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	86.7	J	cells/bead	5	250
CRW025C	6/15/21	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW025C	12/7/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW025C	6/15/21	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW025C	12/7/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	139000	=	cells/bead	5	250
CRW025C	6/15/21	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	512000	=	cells/bead	5	250
CRW025C	12/7/20	Total Eubacteria	Other	6460000	=	cells/bead	5	250
CRW025C	6/15/21	Total Eubacteria	Other	20700000	=	cells/bead	5	250
CRW025C	12/7/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	6/15/21	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW025C	12/7/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW025C	6/15/21	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW025C	12/7/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW025C	6/15/21	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW026C	9/21/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	12/7/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	6/15/21	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	9/21/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	12/7/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	6/15/21	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	9/21/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW026C	12/7/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW026C	6/15/21	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW026C	9/21/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	12/7/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	6/15/21	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	9/21/20	Chloroform Reductase	Reductive Dechlorination	960	=	cells/bead	5	250
CRW026C	12/7/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	6/15/21	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	9/21/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	12/7/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	6/15/21	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW026C	9/21/20	Dehalobacter spp.	Reductive Dechlorination	59000	=	cells/bead	5	250
CRW026C	12/7/20	Dehalobacter spp.	Reductive Dechlorination	13100	=	cells/bead	5	250
CRW026C	6/15/21	Dehalobacter spp.	Reductive Dechlorination	94900	=	cells/bead	5	250
CRW026C	9/21/20	Dehalobium chloroocercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	12/7/20	Dehalobium chloroocercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	6/15/21	Dehalobium chloroocercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	9/21/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW026C	12/7/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW026C	6/15/21	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW026C	9/21/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	12/7/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	6/15/21	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	9/21/20	Desulfitobacterium spp.	Reductive Dechlorination	68700	=	cells/bead	5	250
CRW026C	12/7/20	Desulfitobacterium spp.	Reductive Dechlorination	8390	=	cells/bead	5	250
CRW026C	6/15/21	Desulfitobacterium spp.	Reductive Dechlorination	104000	=	cells/bead	5	250
CRW026C	9/21/20	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	12/7/20	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	6/15/21	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	9/21/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW026C	12/7/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW026C	6/15/21	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW026C	9/21/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW026C	12/7/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW026C	6/15/21	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW026C	9/21/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW026C	12/7/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW026C	6/15/21	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW026C	9/21/20	Methanogens	Other	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW026C	12/7/20	Methanogens	Other	45.9	J	cells/bead	5	250
CRW026C	6/15/21	Methanogens	Other	3430	=	cells/bead	5	250
CRW026C	9/21/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW026C	12/7/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW026C	6/15/21	Particulate Methane Monooxygenase	CENSUS Targets	13.8	J	cells/bead	5	250
CRW026C	9/21/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	9/21/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	9/21/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	56700	=	cells/bead	5	250
CRW026C	12/7/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	19600	=	cells/bead	5	250
CRW026C	6/15/21	Phenol Hydroxylase	Aerobic (Co)Metabolic	1650	=	cells/bead	5	250
CRW026C	9/21/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW026C	12/7/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW026C	6/15/21	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	508	=	cells/bead	5	250
CRW026C	9/21/20	Sulfate Reducing Bacteria	Other	907000	=	cells/bead	5	250
CRW026C	12/7/20	Sulfate Reducing Bacteria	Other	165000	=	cells/bead	5	250
CRW026C	6/15/21	Sulfate Reducing Bacteria	Other	2310000	=	cells/bead	5	250
CRW026C	9/21/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW026C	12/7/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW026C	6/15/21	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW026C	9/21/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	141	J	cells/bead	5	250
CRW026C	12/7/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	294	=	cells/bead	5	250
CRW026C	6/15/21	Toluene Dioxygenase	Aerobic (Co)Metabolic	476	=	cells/bead	5	250
CRW026C	9/21/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	5830	=	cells/bead	5	250
CRW026C	12/7/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	38700	=	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW026C	6/15/21	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW026C	9/21/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	88500	=	cells/bead	5	250
CRW026C	12/7/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	133000	=	cells/bead	5	250
CRW026C	6/15/21	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW026C	9/21/20	Total Eubacteria	Other	15100000	=	cells/bead	5	250
CRW026C	12/7/20	Total Eubacteria	Other	36800000	=	cells/bead	5	250
CRW026C	6/15/21	Total Eubacteria	Other	67500000	=	cells/bead	5	250
CRW026C	9/21/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	12/7/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	6/15/21	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW026C	9/21/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW026C	12/7/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW026C	6/15/21	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW026C	9/21/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW026C	12/7/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW026C	6/15/21	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW027C	9/21/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	12/7/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	6/15/21	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	9/21/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	12/7/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	6/15/21	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	9/21/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW027C	12/7/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW027C	6/15/21	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW027C	9/21/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	12/7/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	6/15/21	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW027C	9/21/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	12/7/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	6/15/21	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	9/21/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	12/7/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	6/15/21	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	9/21/20	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	12/7/20	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	6/15/21	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	9/21/20	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	12/7/20	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	6/15/21	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	9/21/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW027C	12/7/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW027C	6/15/21	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW027C	9/21/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	12/7/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	6/15/21	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	9/21/20	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	12/7/20	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	6/15/21	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	9/21/20	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	12/7/20	Desulfuromonas spp.	Reductive Dechlorination	854	=	cells/bead	5	250
CRW027C	6/15/21	Desulfuromonas spp.	Reductive Dechlorination	18.5	J	cells/bead	5	250
CRW027C	9/21/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW027C	12/7/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW027C	6/15/21	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW027C	9/21/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW027C	12/7/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW027C	6/15/21	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW027C	9/21/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW027C	12/7/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW027C	6/15/21	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW027C	9/21/20	Methanogens	Other	250	<	cells/bead	5	250
CRW027C	12/7/20	Methanogens	Other	250	<	cells/bead	5	250
CRW027C	6/15/21	Methanogens	Other	250	<	cells/bead	5	250
CRW027C	9/21/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW027C	12/7/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW027C	6/15/21	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW027C	9/21/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	9/21/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	9/21/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	39000	=	cells/bead	5	250
CRW027C	12/7/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	81300	=	cells/bead	5	250
CRW027C	6/15/21	Phenol Hydroxylase	Aerobic (Co)Metabolic	30900	=	cells/bead	5	250
CRW027C	9/21/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW027C	12/7/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW027C	6/15/21	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW027C	9/21/20	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CRW027C	12/7/20	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CRW027C	6/15/21	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CRW027C	9/21/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW027C	12/7/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW027C	6/15/21	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW027C	9/21/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW027C	12/7/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	139	J	cells/bead	5	250
CRW027C	6/15/21	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW027C	9/21/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	3650	=	cells/bead	5	250
CRW027C	12/7/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	24700	=	cells/bead	5	250
CRW027C	6/15/21	Toluene Monooxygenase	Aerobic (Co)Metabolic	5870	=	cells/bead	5	250
CRW027C	9/21/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	517000	=	cells/bead	5	250
CRW027C	12/7/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1110000	=	cells/bead	5	250
CRW027C	6/15/21	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	925000	=	cells/bead	5	250
CRW027C	9/21/20	Total Eubacteria	Other	6580000	=	cells/bead	5	250
CRW027C	12/7/20	Total Eubacteria	Other	27200000	=	cells/bead	5	250
CRW027C	6/15/21	Total Eubacteria	Other	27400000	=	cells/bead	5	250
CRW027C	9/21/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	12/7/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	6/15/21	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW027C	9/21/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW027C	12/7/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW027C	6/15/21	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW027C	9/21/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW027C	12/7/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW027C	6/15/21	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW028C	9/21/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	12/7/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	6/15/21	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	9/21/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	12/7/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	6/15/21	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW028C	9/21/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW028C	12/7/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW028C	6/15/21	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW028C	9/21/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	12/7/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	6/15/21	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	9/21/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	12/7/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	6/15/21	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	9/21/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	12/7/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	6/15/21	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	9/21/20	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	12/7/20	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	6/15/21	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	9/21/20	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	12/7/20	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	6/15/21	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	9/21/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW028C	12/7/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW028C	6/15/21	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CRW028C	9/21/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	12/7/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	6/15/21	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	9/21/20	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	12/7/20	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	6/15/21	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	9/21/20	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW028C	12/7/20	Desulfuromonas spp.	Reductive Dechlorination	72.5	J	cells/bead	5	250
CRW028C	6/15/21	Desulfuromonas spp.	Reductive Dechlorination	510	=	cells/bead	5	250
CRW028C	9/21/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	12/7/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	6/15/21	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	9/21/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	12/7/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	6/15/21	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	9/21/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	12/7/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	6/15/21	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	9/21/20	Methanogens	Other	250	<	cells/bead	5	250
CRW028C	12/7/20	Methanogens	Other	250	<	cells/bead	5	250
CRW028C	6/15/21	Methanogens	Other	250	<	cells/bead	5	250
CRW028C	9/21/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW028C	12/7/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW028C	6/15/21	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CRW028C	9/21/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	9/21/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	9/21/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	12500	=	cells/bead	5	250
CRW028C	12/7/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	132000	=	cells/bead	5	250
CRW028C	6/15/21	Phenol Hydroxylase	Aerobic (Co)Metabolic	92900	=	cells/bead	5	250
CRW028C	9/21/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	12/7/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW028C	6/15/21	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	9/21/20	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CRW028C	12/7/20	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CRW028C	6/15/21	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CRW028C	9/21/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW028C	12/7/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW028C	6/15/21	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW028C	9/21/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	12/7/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	362	=	cells/bead	5	250
CRW028C	6/15/21	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	9/21/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	12/7/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	24000	=	cells/bead	5	250
CRW028C	6/15/21	Toluene Monooxygenase	Aerobic (Co)Metabolic	6030	=	cells/bead	5	250
CRW028C	9/21/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	208000	=	cells/bead	5	250
CRW028C	12/7/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1260000	=	cells/bead	5	250
CRW028C	6/15/21	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1710000	=	cells/bead	5	250
CRW028C	9/21/20	Total Eubacteria	Other	2930000	=	cells/bead	5	250
CRW028C	12/7/20	Total Eubacteria	Other	21900000	=	cells/bead	5	250
CRW028C	6/15/21	Total Eubacteria	Other	161000000	=	cells/bead	5	250
CRW028C	9/21/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	12/7/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	6/15/21	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CRW028C	9/21/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	12/7/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	6/15/21	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CRW028C	9/21/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW028C	12/7/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CRW028C	6/15/21	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CSB 15D	12/7/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	6/15/21	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	12/7/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	6/15/21	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	12/7/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CSB 15D	6/15/21	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CSB 15D	12/7/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	6/15/21	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	12/7/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	6/15/21	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	12/7/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	6/15/21	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	12/7/20	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	6/15/21	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	12/7/20	Dehalobium chloro-coercia	Reductive Dechlorination	12500	=	cells/bead	5	250
CSB 15D	6/15/21	Dehalobium chloro-coercia	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	12/7/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CSB 15D	6/15/21	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CSB 15D	12/7/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	6/15/21	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	12/7/20	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	6/15/21	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	12/7/20	Desulfuromonas spp.	Reductive Dechlorination	692	=	cells/bead	5	250
CSB 15D	6/15/21	Desulfuromonas spp.	Reductive Dechlorination	35.7	J	cells/bead	5	250
CSB 15D	12/7/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB 15D	6/15/21	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB 15D	12/7/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB 15D	6/15/21	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CSB 15D	12/7/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB 15D	6/15/21	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB 15D	12/7/20	Methanogens	Other	7.7	J	cells/bead	5	250
CSB 15D	6/15/21	Methanogens	Other	250	<	cells/bead	5	250
CSB 15D	12/7/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CSB 15D	6/15/21	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CSB 15D	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	12/7/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	141000	=	cells/bead	5	250
CSB 15D	6/15/21	Phenol Hydroxylase	Aerobic (Co)Metabolic	29500	=	cells/bead	5	250
CSB 15D	12/7/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB 15D	6/15/21	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB 15D	12/7/20	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CSB 15D	6/15/21	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CSB 15D	12/7/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CSB 15D	6/15/21	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CSB 15D	12/7/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB 15D	6/15/21	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB 15D	12/7/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB 15D	6/15/21	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB 15D	12/7/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	796000	=	cells/bead	5	250
CSB 15D	6/15/21	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	424000	=	cells/bead	5	250
CSB 15D	12/7/20	Total Eubacteria	Other	22600000	=	cells/bead	5	250
CSB 15D	6/15/21	Total Eubacteria	Other	12300000	=	cells/bead	5	250
CSB 15D	12/7/20	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB 15D	6/15/21	trans-1,2-DCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CSB 15D	12/7/20	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB 15D	6/15/21	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB 15D	12/7/20	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CSB 15D	6/15/21	Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CSB020C	12/7/20	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	6/15/21	1,1 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	12/7/20	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	6/15/21	1,2 DCA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	12/7/20	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CSB020C	6/15/21	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CSB020C	12/7/20	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	6/15/21	cerA Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	12/7/20	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	6/15/21	Chloroform Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	12/7/20	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	6/15/21	Dehalobacter DCM	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	12/7/20	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	6/15/21	Dehalobacter spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	12/7/20	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	6/15/21	Dehalobium chlorocoercia	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	12/7/20	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CSB020C	6/15/21	Dehalococcoides	Reductive Dechlorination	25	<	cells/bead	5	25
CSB020C	12/7/20	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	6/15/21	Dehalogenimonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	12/7/20	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	6/15/21	Desulfitobacterium spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	12/7/20	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	6/15/21	Desulfuromonas spp.	Reductive Dechlorination	250	<	cells/bead	5	250

Table 4. BioTrap Quantarray Data								
Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CSB020C	12/7/20	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB020C	6/15/21	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB020C	12/7/20	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB020C	6/15/21	Epoxyalkane Transferase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB020C	12/7/20	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB020C	6/15/21	Ethene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB020C	12/7/20	Methanogens	Other	250	<	cells/bead	5	250
CSB020C	6/15/21	Methanogens	Other	250	<	cells/bead	5	250
CSB020C	12/7/20	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CSB020C	6/15/21	Particulate Methane Monooxygenase	CENSUS Targets	250	<	cells/bead	5	250
CSB020C	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	12/7/20	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	6/15/21	PCE Reductase	Reductive Dechlorination	250	<	cells/bead	5	250
CSB020C	12/7/20	Phenol Hydroxylase	Aerobic (Co)Metabolic	37.5	J	cells/bead	5	250
CSB020C	6/15/21	Phenol Hydroxylase	Aerobic (Co)Metabolic	68600	=	cells/bead	5	250
CSB020C	12/7/20	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB020C	6/15/21	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB020C	12/7/20	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CSB020C	6/15/21	Sulfate Reducing Bacteria	Other	250	<	cells/bead	5	250
CSB020C	12/7/20	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CSB020C	6/15/21	tceA Reductase	Reductive Dechlorination	25	<	cells/bead	5	25
CSB020C	12/7/20	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB020C	6/15/21	Toluene Dioxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB020C	12/7/20	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB020C	6/15/21	Toluene Monooxygenase	Aerobic (Co)Metabolic	250	<	cells/bead	5	250
CSB020C	12/7/20	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	8680	=	cells/bead	5	250
CSB020C	6/15/21	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1020000	=	cells/bead	5	250

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APPENDIX A

CAGW OU NTC RA Analytical Data 2020-2021

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Appendix A: CAGW OU NTC RA Data			Field Data									Hydrocarbons		Inorganics			TOC	Radionuclide	VOCs						
			SAMPLE DATE	DEPTH TO WATER	OXIDATION/REDUCTION POTENTIAL	OXYGEN	PH	SPECIFIC CONDUCTANCE	TOTAL ALKALINITY (AS CaCO ₃)	TURBIDITY	WATER TEMPERATURE	FIELD CONDITIONS	ETHYLENE	METHANE	CHLORIDE	NITRATE	SULFATE	TOTAL ORGANIC CARBON	TRITIUM	1,2-DICHLOROETHYLENE	CHLOROETHENE (VINYL CHLORIDE)	CIS-1,2-DICHLOROETHYLENE	TETRACHLOROETHYLENE (PCE)	TRANS-1,2-DICHLOROETHYLENE	TRICHLOROETHYLENE (TCE)
			D-M-Yr	ft	mV	mg/L	pH	uS/cm	mg/L	NTU	°C	Units	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	pCi/mL	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Station	Well Use	Aquifer									GWPS						20		2	70	5	100	5		
CRW023C	Monitoring Well	MAZ_UTRAU	21-Sep-2020	24.98	219	5.8	4.7	27	0	3	18.1	No Comments	<EQL (25)	<EQL (25)	[2670]	753	[0.817]	[589]	2940	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	27.4
			07-Dec-2020	25.28	314	7.87	4.8	27	0	3.3	17.3	No Comments	<EQL (25)	<EQL (25)	[2080]	757	1.31	[403]	1310	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	14.1
			15-Jun-2021	25.1	273	4.9	5.7	29	15	4.1	18.9	No Comments	<EQL (25)	<EQL (25)	1920	1340	0.929	[486]	1620	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	11.1
CRW024C	Monitoring Well	MAZ_UTRAU	21-Sep-2020	38.04	224	3.7	4.5	30	0	1	19.9	No Comments	<EQL (25)	<EQL (25)	2550	1570	[0.348]	[424]	1820	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	24.3
			07-Dec-2020	38.47	404	10.12	5.2	29	5	0.9	18.8	No Comments	<EQL (25)	<EQL (25)	2000	1350	0.439	<EQL (1000)	1600	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	20.9
			15-Jun-2021	38.5	297	4.3	5.2	31	6	1.1	18.9	No Comments	<EQL (25)	<EQL (25)	2210	1580	0.465	[418]	2300	<EQL (2)	<EQL (1)	<EQL (1)	[0.34]	<EQL (1)	26.1
CRW025C	Monitoring Well	MAZ_UTRAU	07-Dec-2020	12.44	296	5.93	5.1	23	2	2.3	17.4	No Comments	<EQL (25)	<EQL (25)	[2080]	757	[0.376]	[351]	169	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	8.31
			15-Jun-2021	12.2	237	5.11	5	25	0	8.1	21.7	No Comments	<EQL (25)	<EQL (25)	2360	981	0.412	[693]	208	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	19
CRW026C	Monitoring Well	MAZ_UTRAU	21-Sep-2020	8.3	221	6.12	5.8	61	9	2.1	17.2	No Comments	<EQL (25)	[36.5]	2170	280	1.64	2096	1930	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	12.1
			07-Dec-2020	8.4	233	4.7	5.9	62	26	1.9	18.2	No Comments	<EQL (25)	[77.4]	1880	166	1.13	3652	1380	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	5.68
			15-Jun-2021	8	-44	3.89	6.3	29	52	3.8	20.7	No Comments	<EQL (25)	106	1750	381	[0.367]	2548	1130	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	4.66
CRW027C	Monitoring Well	MAZ_UTRAU	21-Sep-2020	5.11	311	5.88	4.7	26	0	1.4	17.1	No Comments	<EQL (25)	<EQL (25)	1990	1330	[0.33]	[419]	864	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	2.93
			07-Dec-2020	5.4	324	4.9	5.5	26	0	1.3	18.2	No Comments	<EQL (25)	<EQL (25)	[1760]	1150	[0.344]	[480]	1000	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	2.09
			15-Jun-2021	5.4	274	4.77	4.9	27	0	3.3	21.7	No Comments	<EQL (25)	<EQL (25)	1800	1300	[0.382]	[701]	853	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	2.32
CRW028C	Monitoring Well	MAZ_UTRAU	21-Sep-2020	5.46	355	6.26	4.2	30	0	2.2	17.1	No Comments	<EQL (25)	<EQL (25)	2290	1490	<EQL (0.4)	[449]	1540	<EQL (2)	<EQL (1)	<EQL (1)	[0.49]	<EQL (1)	6.37
			07-Dec-2020	5.6	347	5.1	5.4	30	0	2.7	18.4	No Comments	<EQL (25)	<EQL (25)	2030	1400	0.432	<EQL (1000)	1430	<EQL (2)	<EQL (1)	<EQL (1)	[0.5]	<EQL (1)	9.07
			15-Jun-2021	5.5	240	4.63	5	35	0	7.3	19.5	No Comments	<EQL (25)	<EQL (25)	2190	1470	0.455	[601]	[943]	<EQL (2)	<EQL (1)	<EQL (1)	[0.4]	<EQL (1)	[7.25]

Appendix A: CAGW OU NTC RA Data			Field Data									Hydrocarbons		Inorganics			TOC	Radionuclide	VOCs						
			SAMPLE DATE	DEPTH TO WATER	OXIDATION/REDUCTION POTENTIAL	OXYGEN	PH	SPECIFIC CONDUCTANCE	TOTAL ALKALINITY (AS CaCO3)	TURBIDITY	WATER TEMPERATURE	FIELD CONDITIONS	ETHYLENE	METHANE	CHLORIDE	NITRATE	SULFATE	TOTAL ORGANIC CARBON	TRITIUM	1,2-DICHLOROETHYLENE	CHLOROETHENE (VINYL CHLORIDE)	CIS-1,2-DICHLOROETHYLENE	TETRACHLOROETHYLENE (PCE)	TRANS-1,2-DICHLOROETHYLENE	TRICHLOROETHYLENE (TCE)
			D-M-Yr	ft	mV	mg/L	pH	uS/cm	mg/L	NTU	°C	Units	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	pCi/mL	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Station	Well Use	Aquifer								15	GWPS					20		2	70	5	100	5			
CSB 15D	Monitoring Well	MAZ_ UTRAU	07-Dec-2020	28.56	438	1.47	5.1	25	0	1.8	18.3	No Comments	<EQL (25)	<EQL (25)	2150	784	[0.379]	<EQL (1000)	322	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	30.3
			15-Jun-2021	28.6	252	4.7	5.7	29	6	9.9	18.7	No Comments	<EQL (25)	<EQL (25)	2220	900	[0.394]	[365]	409	<EQL (2)	<EQL (1)	<EQL (1)	[0.47]	<EQL (1)	41.4
CSB020C	Monitoring Well	MAZ_ UTRAU	07-Dec-2020	39	428	1.58	5.1	29	0	2.9	18.8	No Comments	<EQL (25)	<EQL (25)	2340	1200	[0.387]	<EQL (1000)	336	<EQL (2)	<EQL (1)	<EQL (1)	[0.55]	<EQL (1)	41
			15-Jun-2021	39	294	4.6	5.1	29	6	10.7	18.8	No Comments	<EQL (25)	[10.9]	2610	1380	[0.388]	[442]	326	<EQL (2)	<EQL (1)	<EQL (1)	[0.6]	<EQL (1)	41.6
CCSL-08	Seepage		07-Dec-2020	0.1	217	5.45	6	19	14	12.8	14.1	X	<EQL (25)	<EQL (25)	1980	413	[0.326]	[517]	87.7	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	5.49
			15-Jun-2021	0.1	234	5.37	5.4	27	11	6.7	22.9	X	<EQL (25)	<EQL (25)	2600	1430	0.811	[883]	76.1	<EQL (2)	<EQL (1)	[0.62]	<EQL (1)	<EQL (1)	2.73
CCSL-11	Seepage		07-Dec-2020	1.4	247	6.15	6	43	12	37.8	13.9	X	<EQL (25)	<EQL (25)	3080	922	0.621	1602	159	[0.86]	<EQL (1)	[0.86]	1.12	<EQL (1)	[0.87]
			15-Jun-2021	1.45	202	5.46	5.8	41	8	27.3	23.2	X	<EQL (25)	<EQL (25)	2890	914	0.863	1486	132	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	
CCSL-14	Seepage		07-Dec-2020	0.85	207	5.95	5.7	22	9	17.6	12.3	No Comments	<EQL (25)	<EQL (25)	[2760]	504	[0.331]	[535]	148	[0.9]	<EQL (1)	[0.9]	[0.34]	<EQL (1)	5.63
			15-Jun-2021	0.98	224	4.97	5.6	22	7	12.7	21.3	No Comments	<EQL (25)	<EQL (25)	2300	501	[0.323]	[701]	126	<EQL (2)	<EQL (1)	<EQL (1)	1.12	<EQL (1)	3.88
CCSL-23R	Seepage		07-Dec-2020	3.65	372	1.34	3.8	28	0	0.3	15.7	No Comments	<EQL (25)	[27]	3070	280	1.68	1307	280	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	14.9
			15-Jun-2021	3.73	204	5.72	4.8	31	0	14.3	20.9	No Comments	<EQL (25)	133	3310	464	1.53	1698	307	[1.09]	<EQL (1)	1.09	<EQL (1)	<EQL (1)	9.83
CC 05	Surface Water		07-Dec-2020	NR	332	9.86	6.3	22	7	2.2	13.7	No Comments	<EQL (25)	<EQL (25)	[2220]	521	0.753	[941]	39.1	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	1.35
			15-Jun-2021	NR	188	5.39	5.7	22	7	1.3	20	No Comments	<EQL (25)	[10.1]	2550	555	0.879	1192	30.1	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	1.18
CC 07	Surface Water		07-Dec-2020	NR	280	9.89	6.2	22	7	1.6	13.6	No Comments	<EQL (25)	<EQL (25)	[2440]	544	0.766	[911]	<EQL (1.91)	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	1.68
			15-Jun-2021	NR	217	5.56	6.1	21	1	1.4	20.5	No Comments	<EQL (25)	<EQL (25)	2310	522	0.783	1024	[0.904]	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	1.15
CC 08	Surface Water		21-Sep-2020	NR	404	4.56	5	22	0	0.9	16.9	No Comments	<EQL (25)	<EQL (25)	2400	532	0.813	1310	32.3	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	1.33

Appendix A: CAGW OU NTC RA Data			Field Data									Hydrocarbons		Inorganics			TOC	Radionuclide	VOCs						
			SAMPLE DATE	DEPTH TO WATER	OXIDATION/REDUCTION POTENTIAL	OXYGEN	PH	SPECIFIC CONDUCTANCE	TOTAL ALKALINITY (AS CaCO3)	TURBIDITY	WATER TEMPERATURE	FIELD CONDITIONS	ETHYLENE	METHANE	CHLORIDE	NITRATE	SULFATE	TOTAL ORGANIC CARBON	TRITIUM	1,2-DICHLOROETHYLENE	CHLOROETHENE (VINYL CHLORIDE)	CIS-1,2-DICHLOROETHYLENE	TETRACHLOROETHYLENE (PCE)	TRANS-1,2-DICHLOROETHYLENE	TRICHLOROETHYLENE (TCE)
			D-M-Yr	ft	mV	mg/L	pH	uS/cm	mg/L	NTU	°C	Units	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	pCi/mL	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Station	Well Use	Aquifer								GWPS				10,000			20		2	70	5	100	5		
			07-Dec-2020	NR	335	10.42	6.1	22	7	2.6	13.6	No Comments	<EQL (25)	<EQL (25)	[2310]	535	0.764	995	34.4	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	1.53
			15-Jun-2021	NR	200	5.69	6.6	24	2	2.7	21.8	No Comments	<EQL (25)	<EQL (25)	2300	523	0.772	1072	26.6	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	1.12
CCT 01	Surface Water		21-Sep-2020	NR	366	3.97	4.7	22	0	4.8	17.4	No Comments	<EQL (25)	<EQL (25)	2590	488	0.732	2758	401	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	4.28
			07-Dec-2020	NR	285	11.85	6.4	22	9	3.6	13.9	No Comments	<EQL (25)	<EQL (25)	[2290]	496	0.674	2180	410	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	5.46
			15-Jun-2021	NR	131	5.53	6.1	23	1	3.4	20.7	No Comments	<EQL (25)	<EQL (25)	2370	522	0.533	2176	368	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	5.4
CCT 02	Surface Water		21-Sep-2020	NR	409	5.01	5.3	20	3	5.6	16.8	No Comments	<EQL (25)	<EQL (25)	2710	337	0.742	3576	152	<EQL (2)	<EQL (1)	[0.42]	<EQL (1)	<EQL (1)	3.16
			07-Dec-2020	NR	333	13.53	6.3	20	9	12	12.3	No Comments	<EQL (25)	<EQL (25)	[2510]	389	0.7	2840	165	<EQL (2)	<EQL (1)	[0.44]	<EQL (1)	<EQL (1)	4.37
			15-Jun-2021	NR	154	6.3	6.1	22	1	10.1	20	No Comments	<EQL (25)	[19.6]	2510	368	0.642	2604	157	<EQL (2)	<EQL (1)	[0.43]	<EQL (1)	<EQL (1)	3.22
CCT 03	Surface Water		21-Sep-2020	NR	340	4.85	5.5	25	6	9.8	16.8	No Comments	<EQL (25)	[24.3]	3210	279	1.65	3694	45.8	[0.76]	<EQL (1)	[0.76]	<EQL (1)	<EQL (1)	5.63
			07-Dec-2020	NR	312	12.04	5.9	25	8	2.5	12.9	No Comments	<EQL (25)	[12.8]	[2820]	308	0.764	2878	48.5	[0.69]	<EQL (1)	[0.69]	<EQL (1)	<EQL (1)	6.86
			15-Jun-2021	NR	202	4.56	5.9	20	1	3.5	22.1	No Comments	<EQL (25)	[13.6]	2560	252	0.637	3058	30.8	[0.86]	<EQL (1)	[0.86]	<EQL (1)	<EQL (1)	6.13

Table A-1 Table Notes

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

Table A-1 Field Condition Column Notes

A	Abandoned
C	Continuously pumping well / flowing stream
D	Dry well. No sample collected.
NS	Not sampled.
T	High turbidity. Some portions of the sample may not be analyzed.
X	Well pumped dry. Samples collected after well recovered.
N	Field parameters not stable when sample collected.
NC	No comment.

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APPENDIX B

CAGW OU Hydrographs

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Figure B-1.

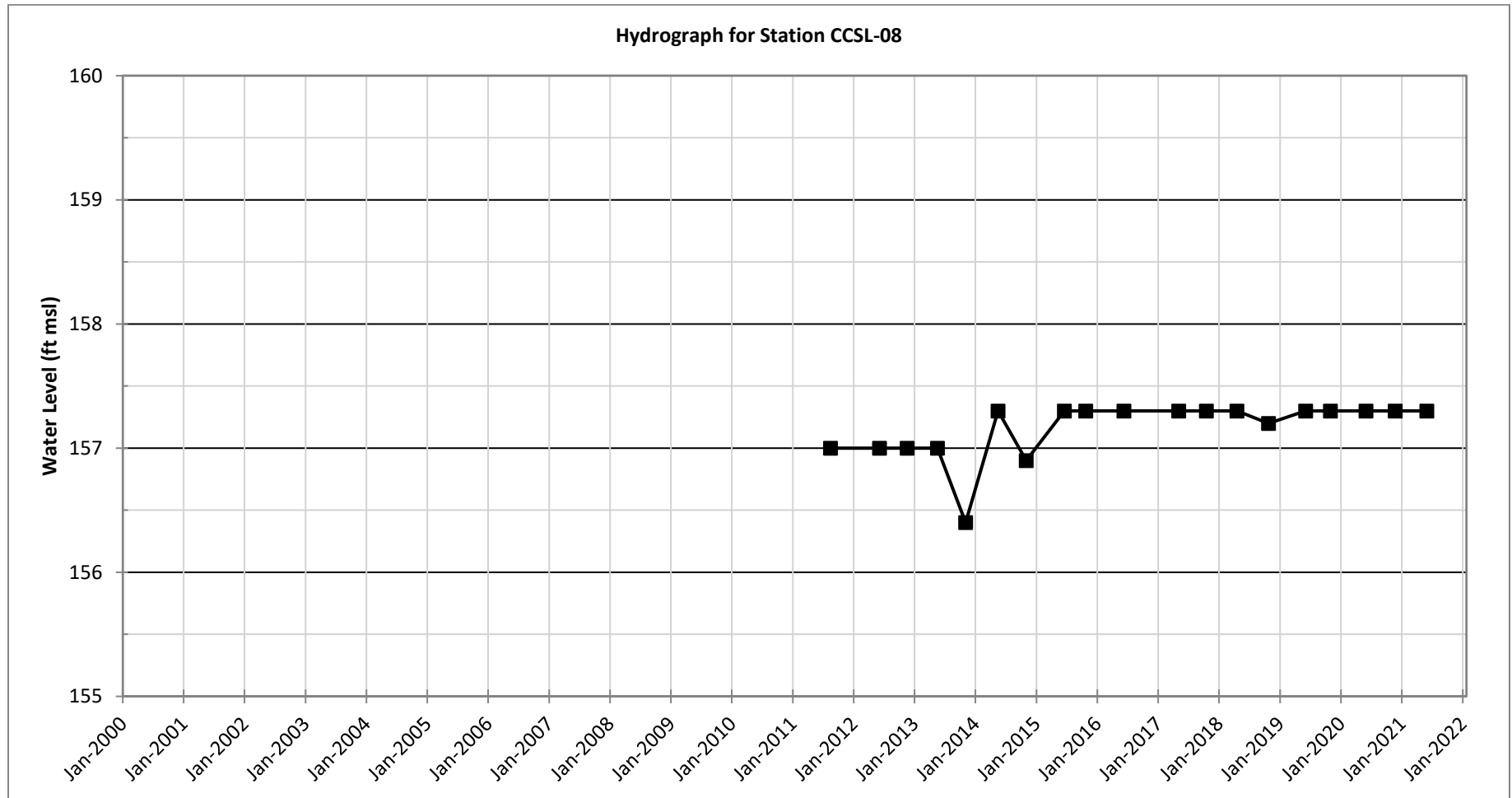


Figure B-2.

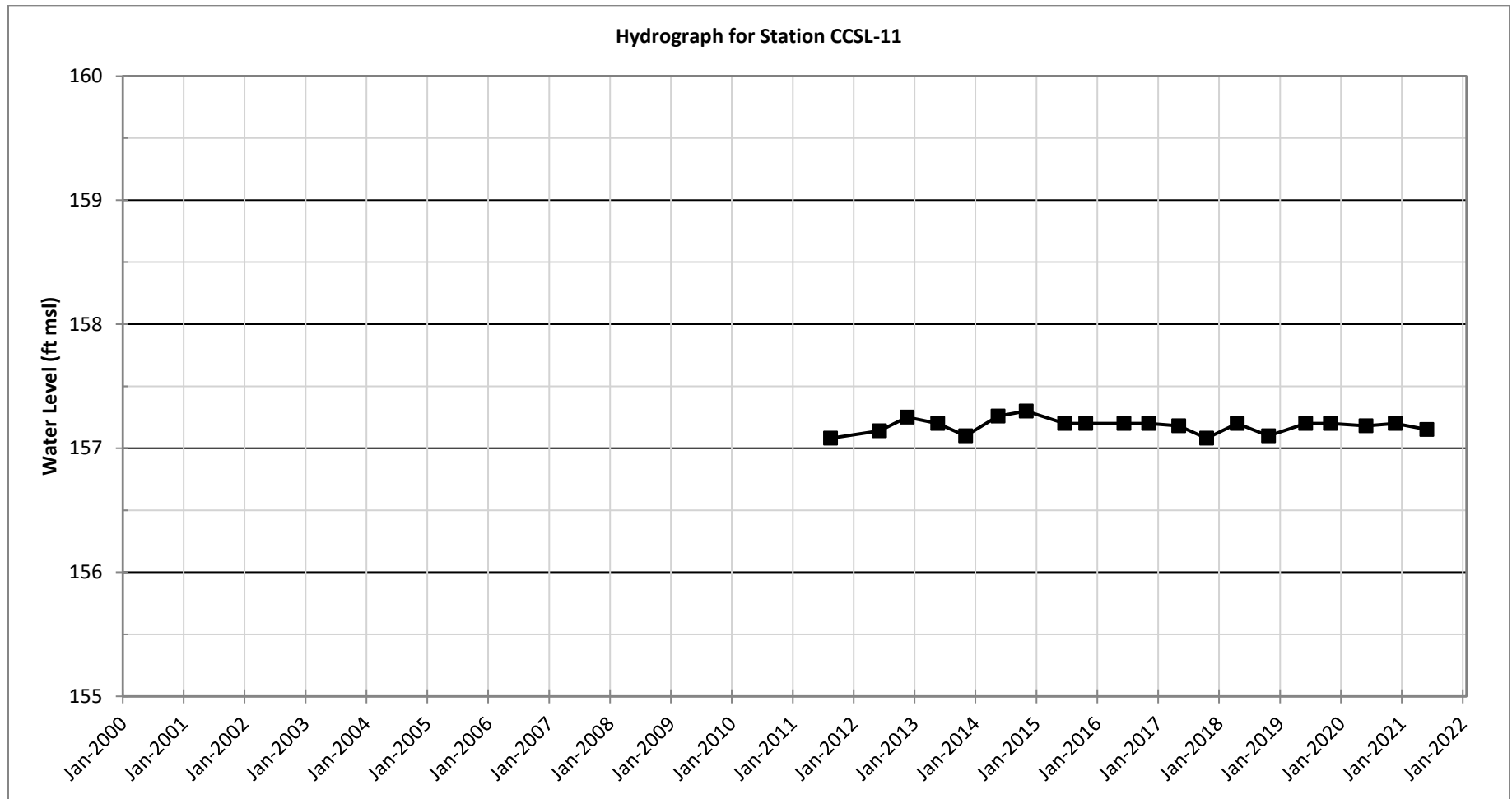


Figure B-3.

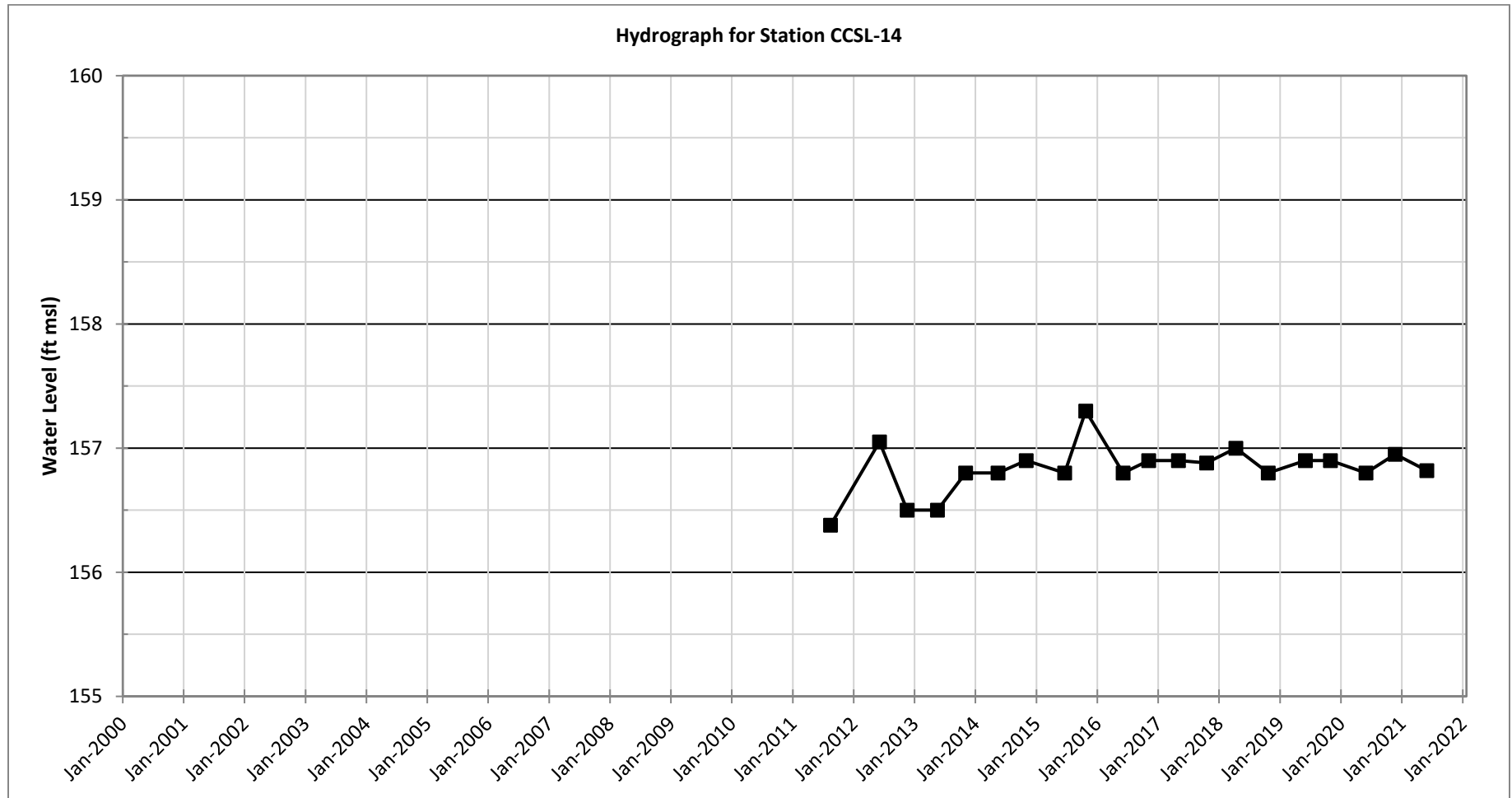


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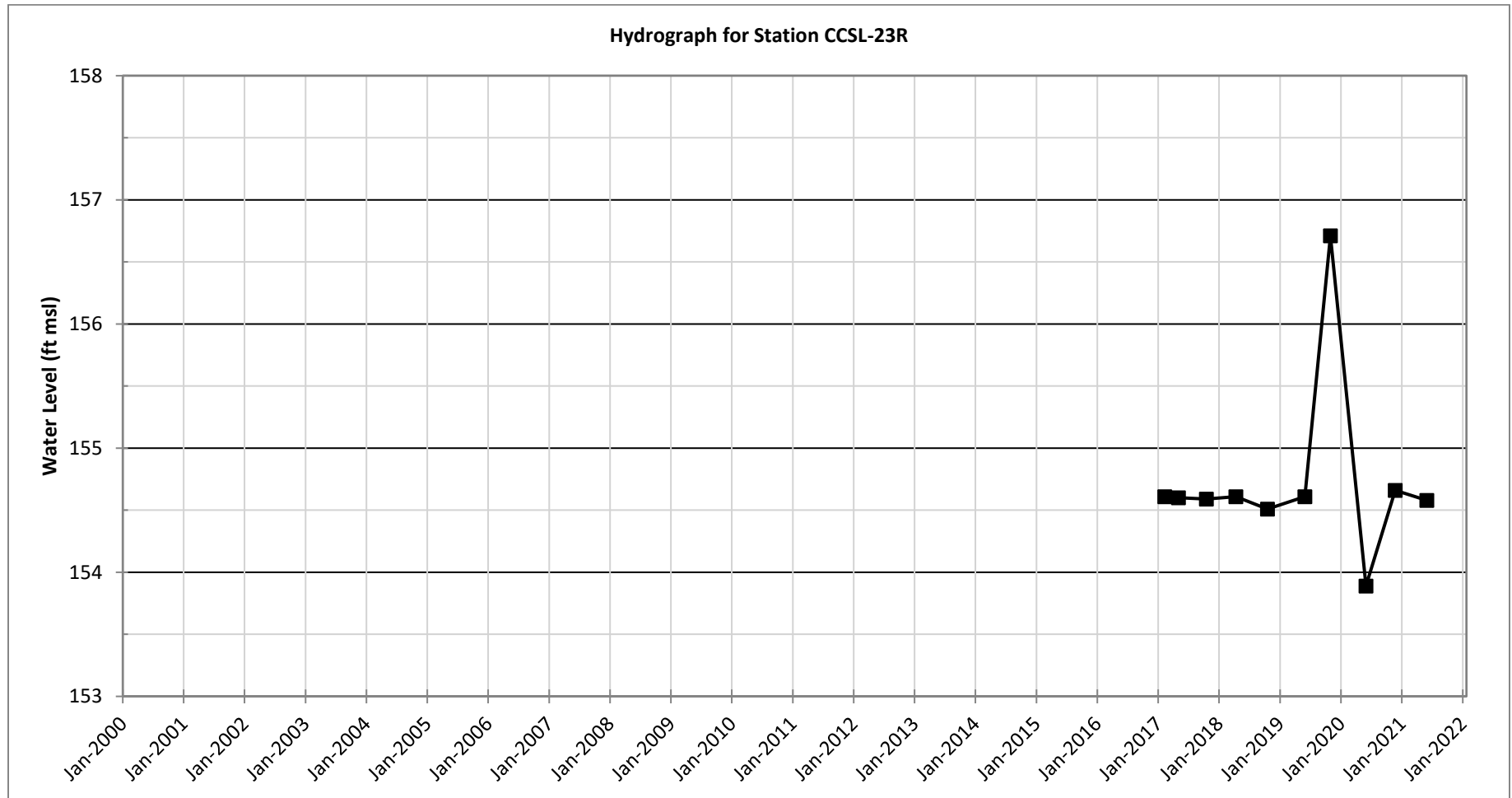


Figure B-5.

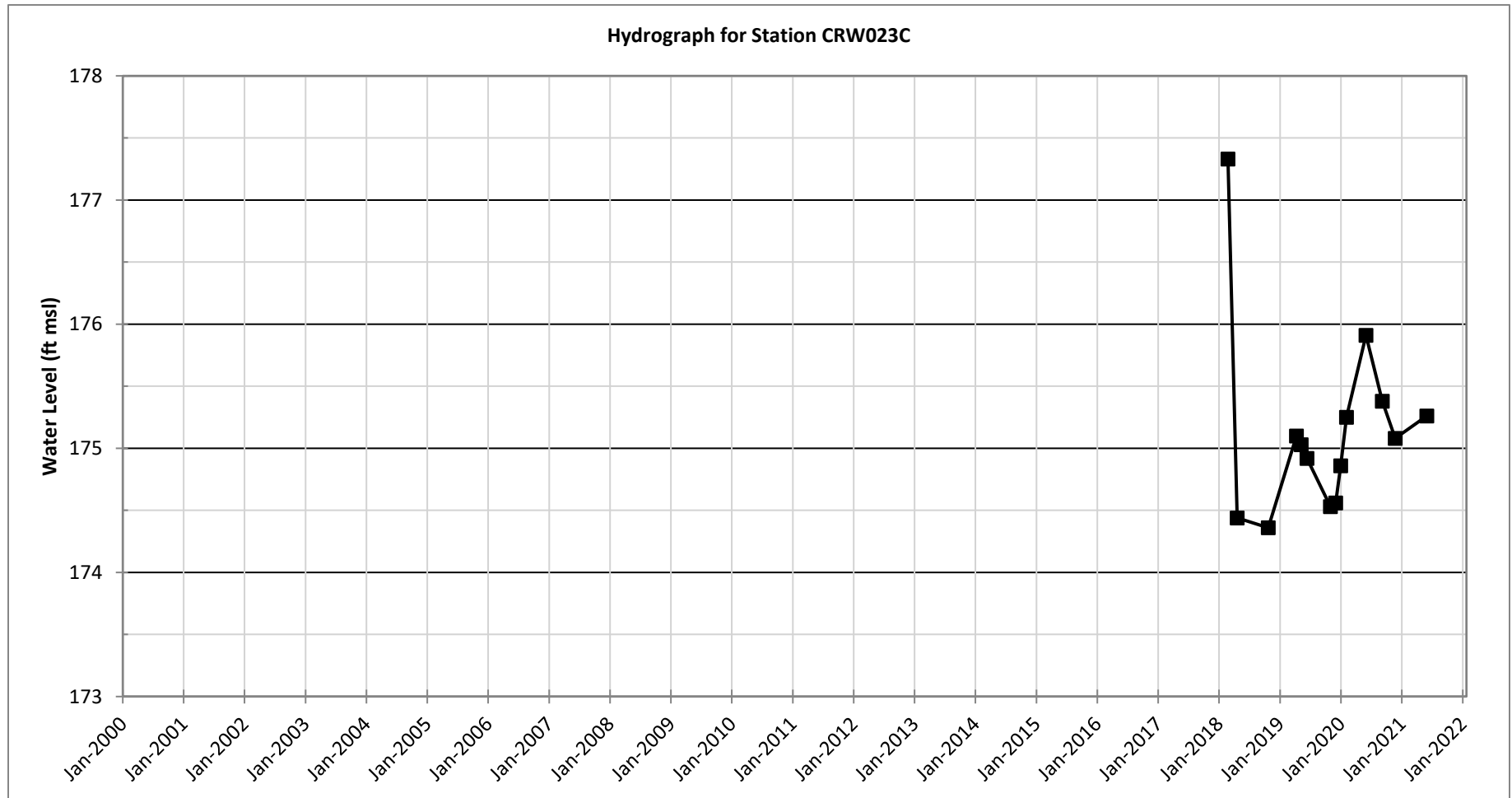


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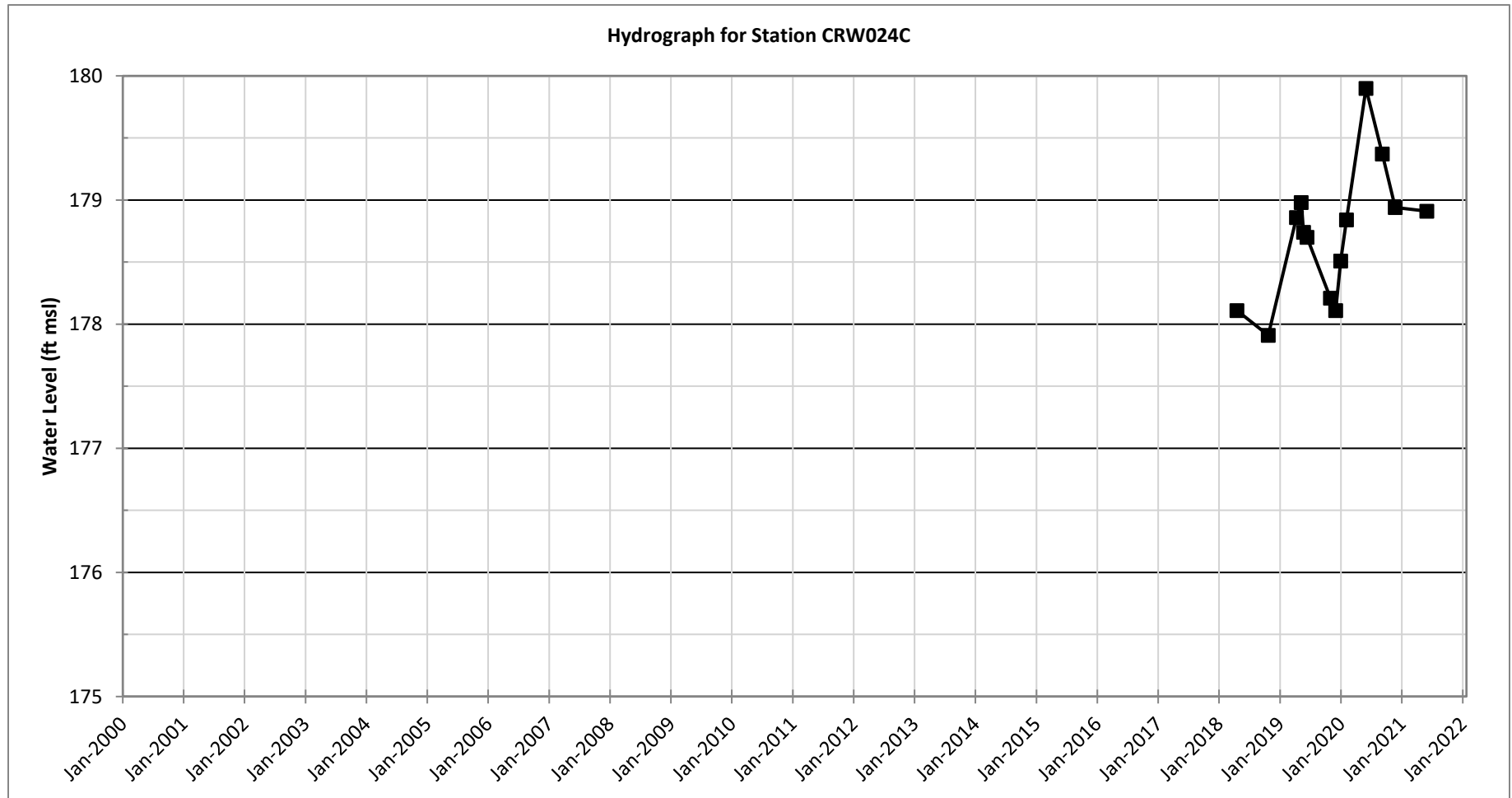


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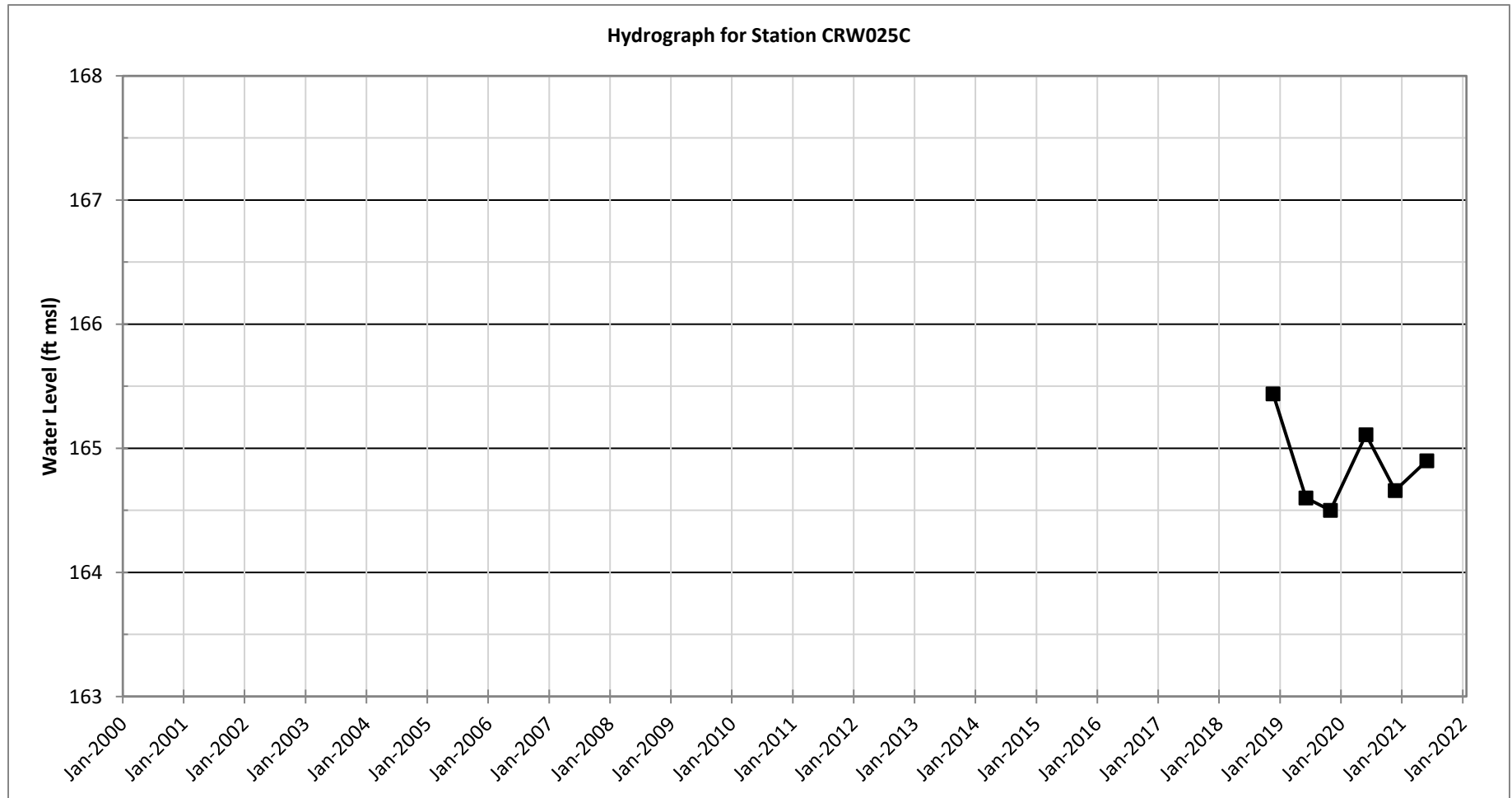


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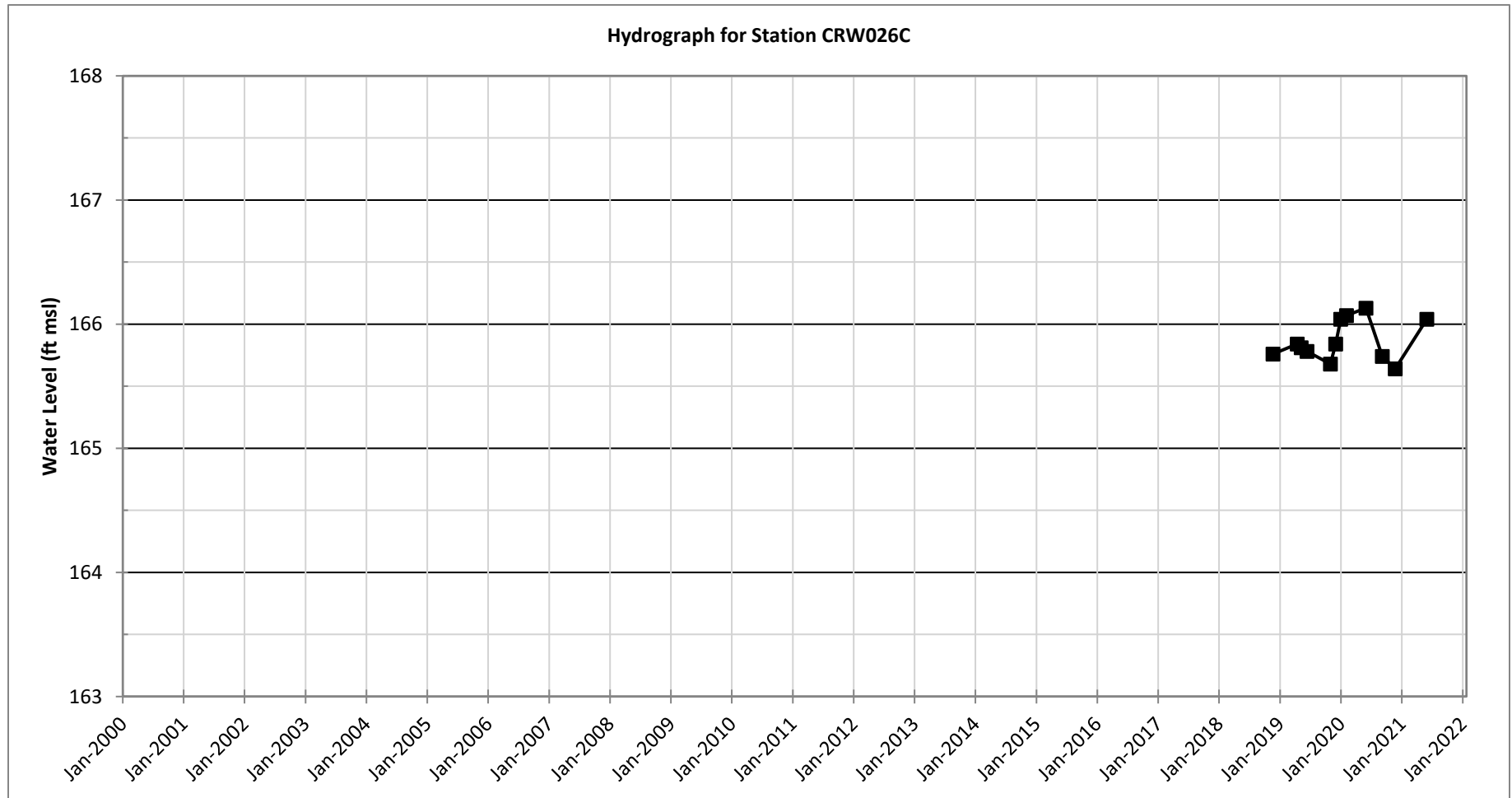


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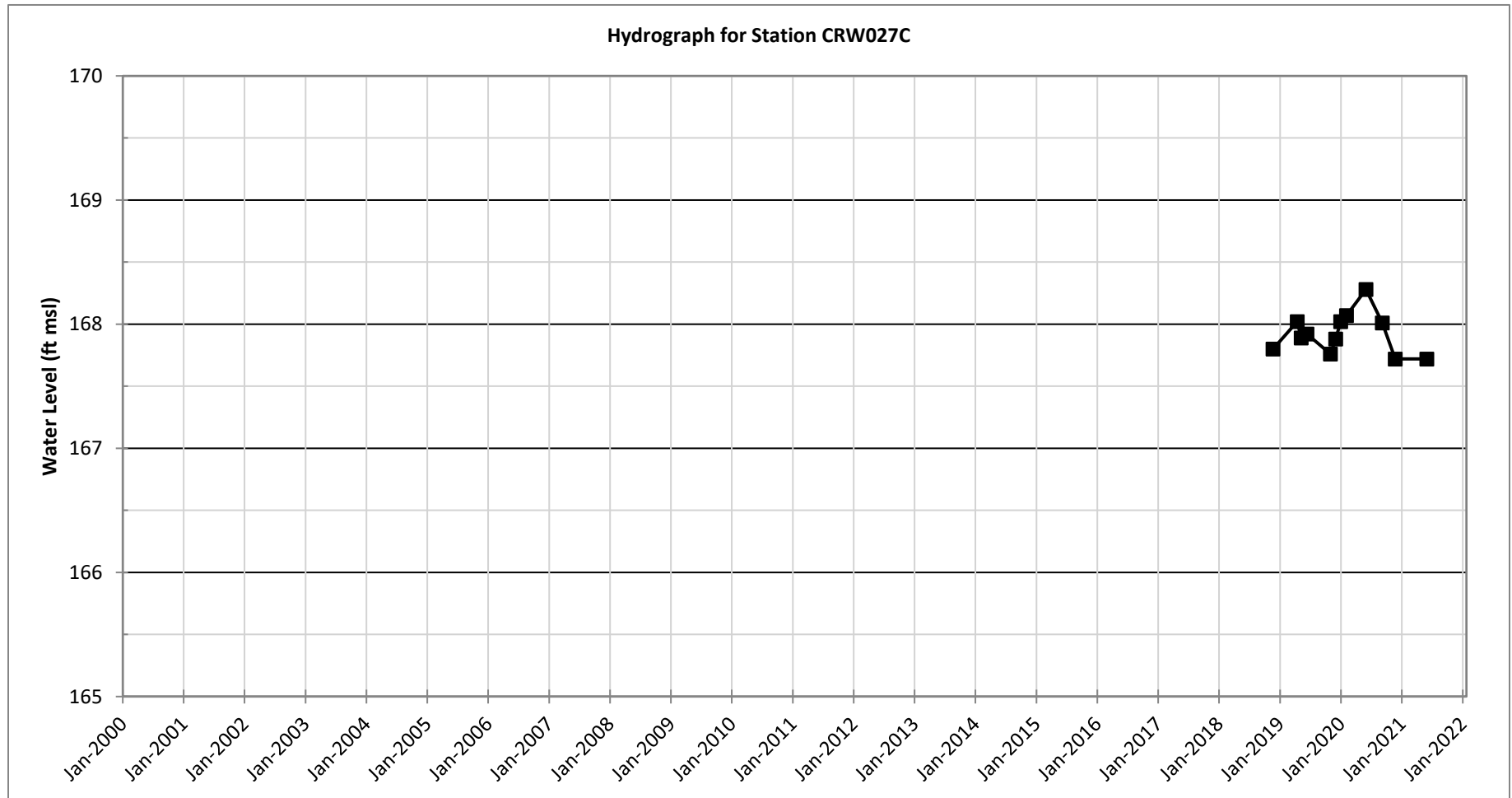


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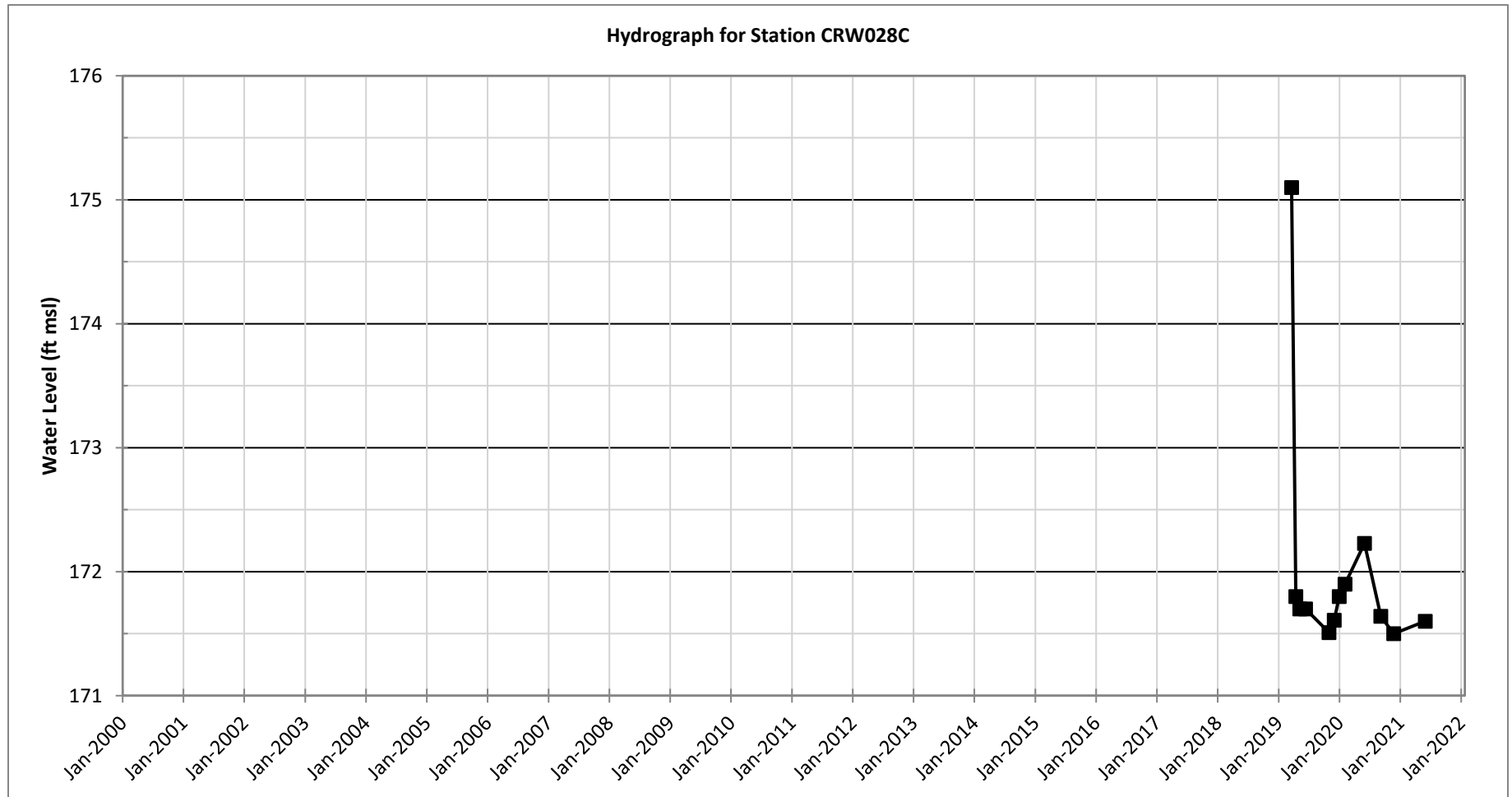


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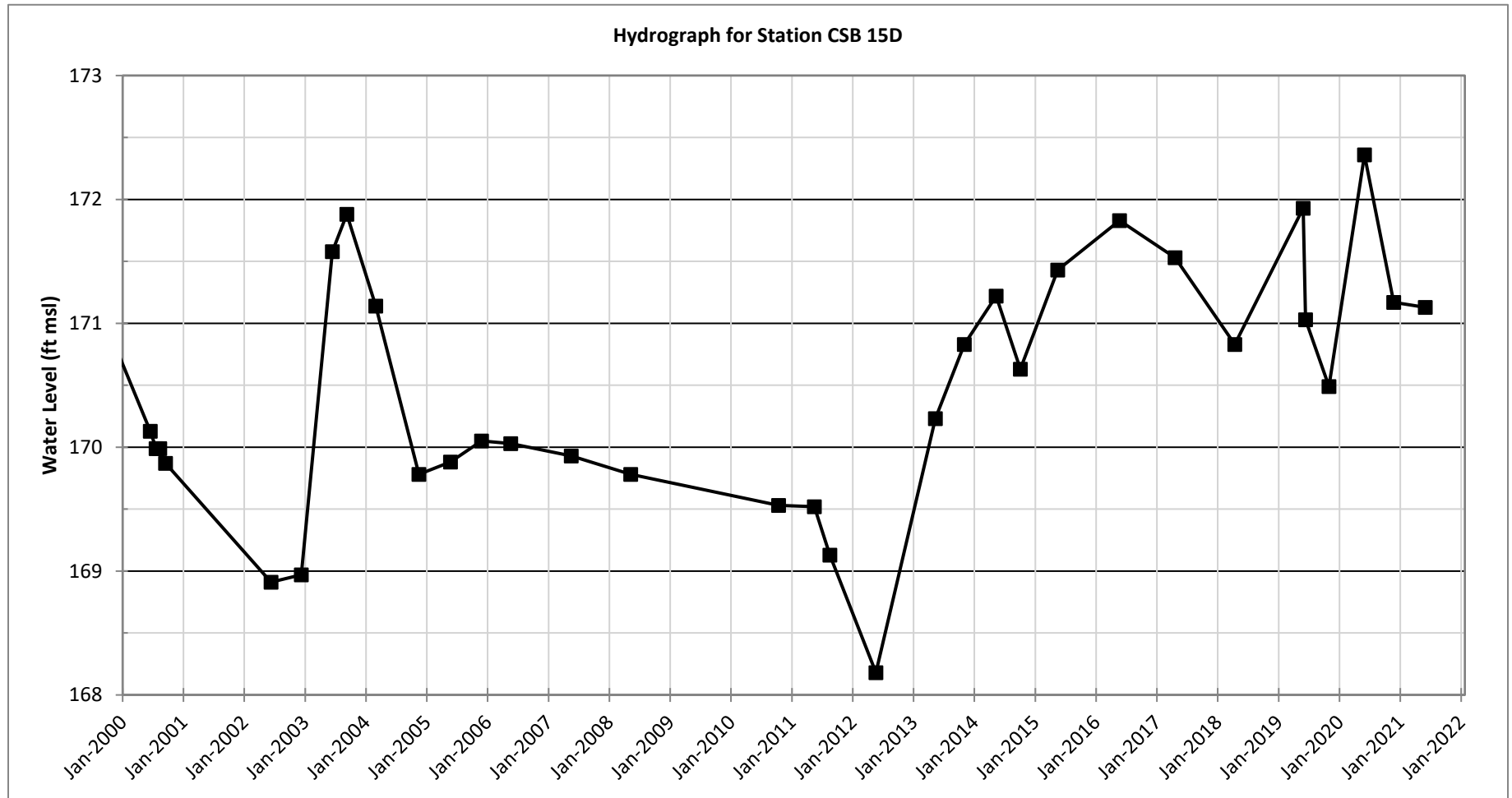
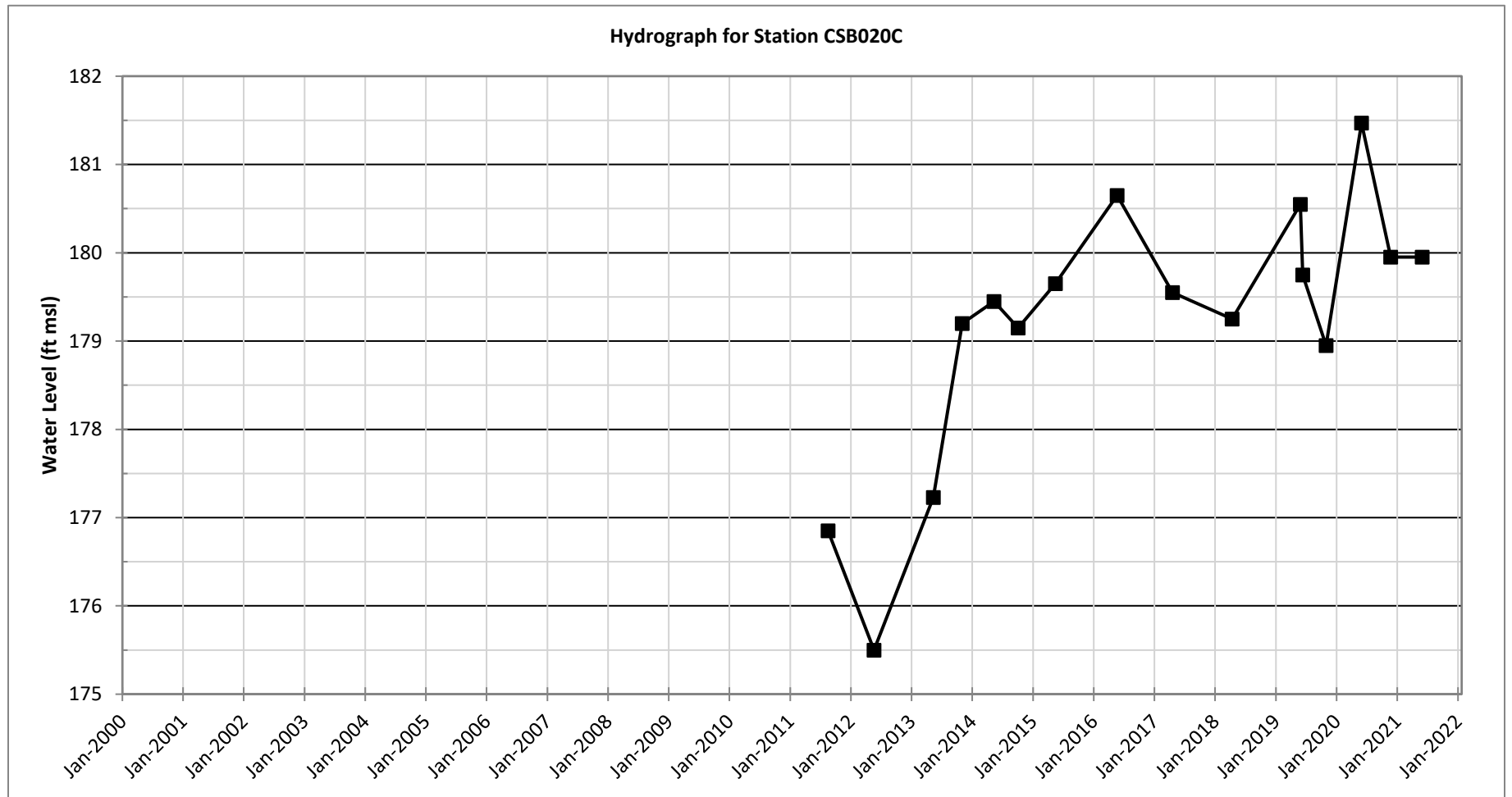


Figure B-12.



APPENDIX C

Time-Series Plots

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Figure C-1.

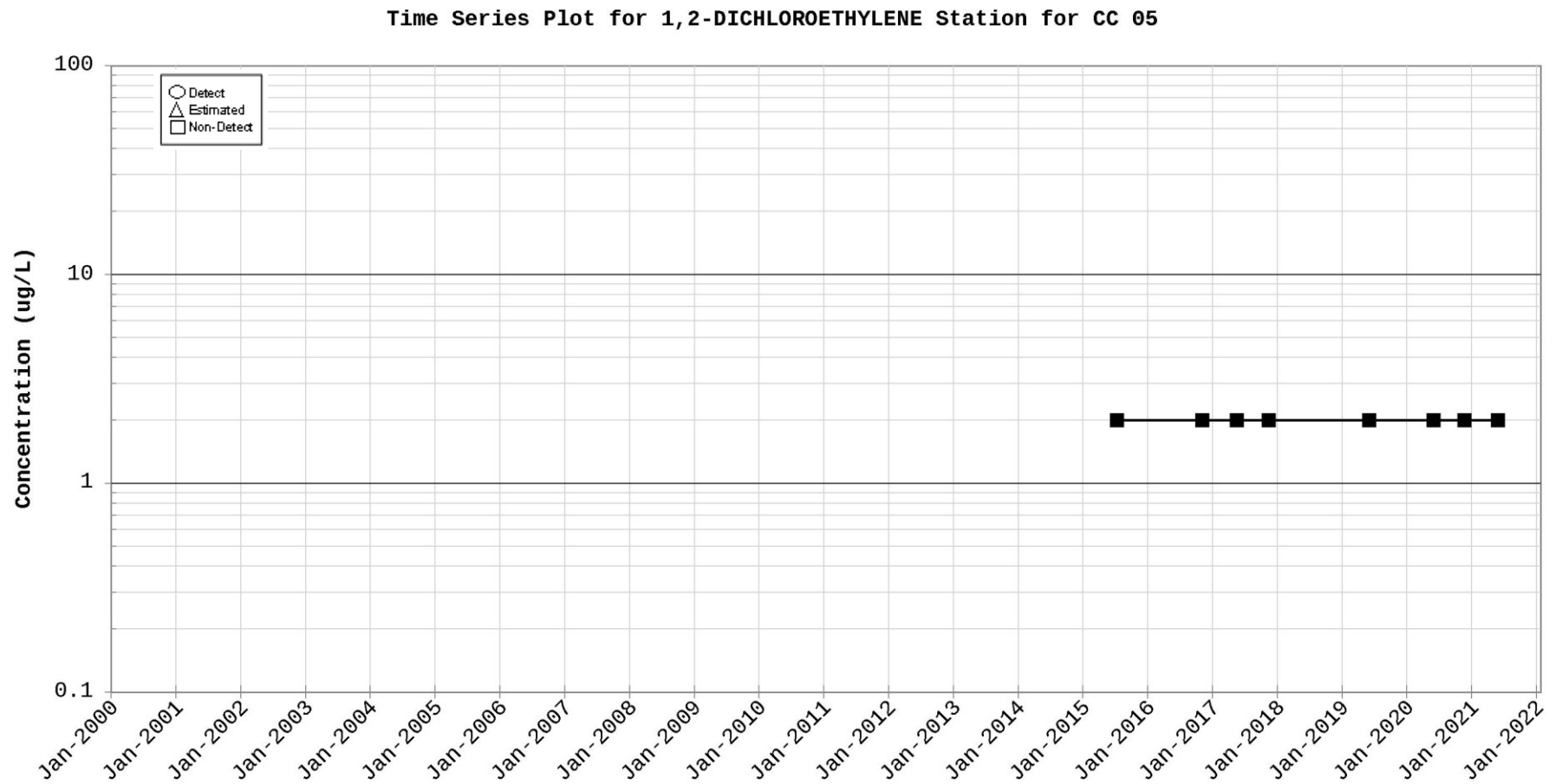


Figure C-2.
Time Series Plot for 1,2-DICHLOROETHYLENE Station for CC 07

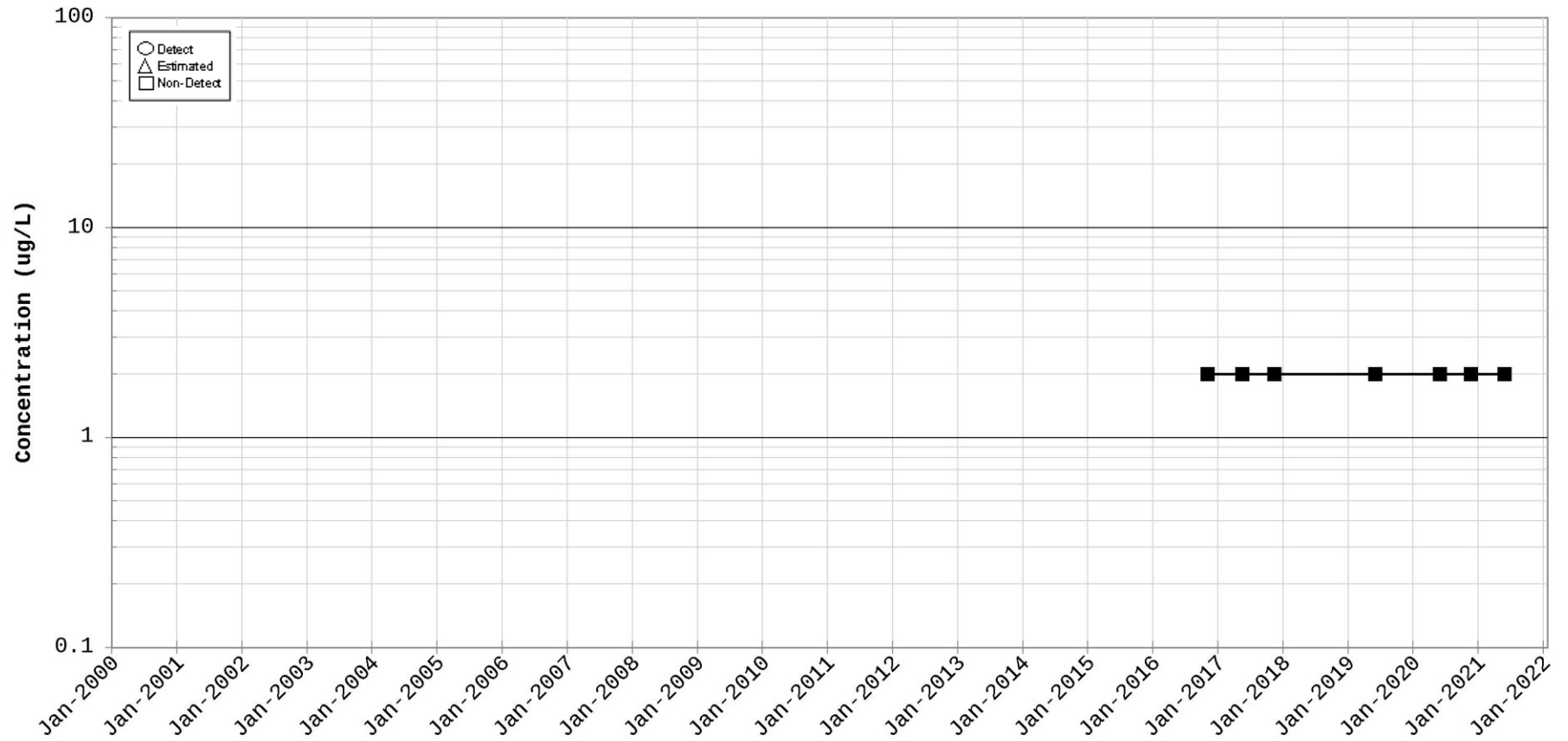


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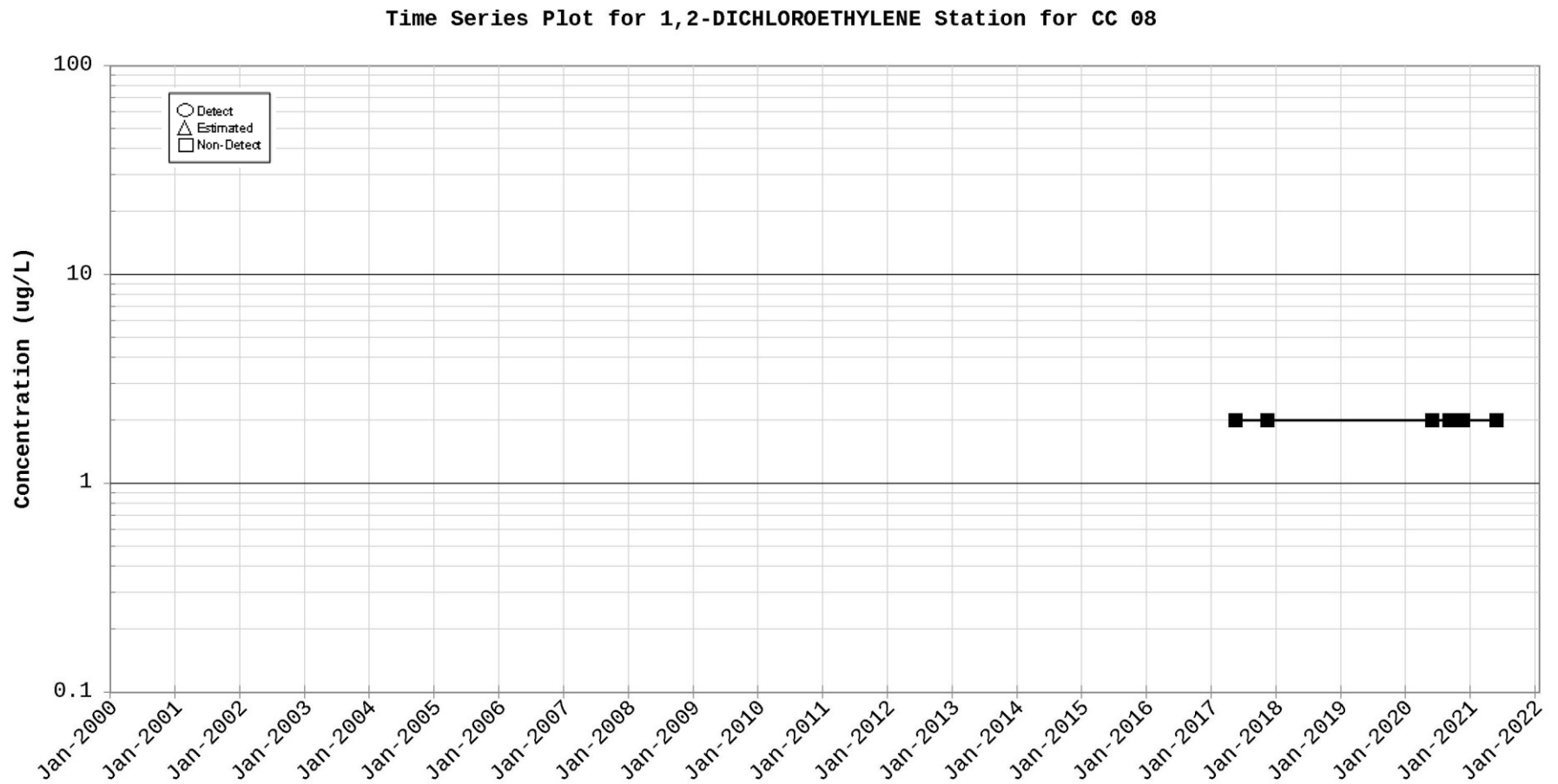


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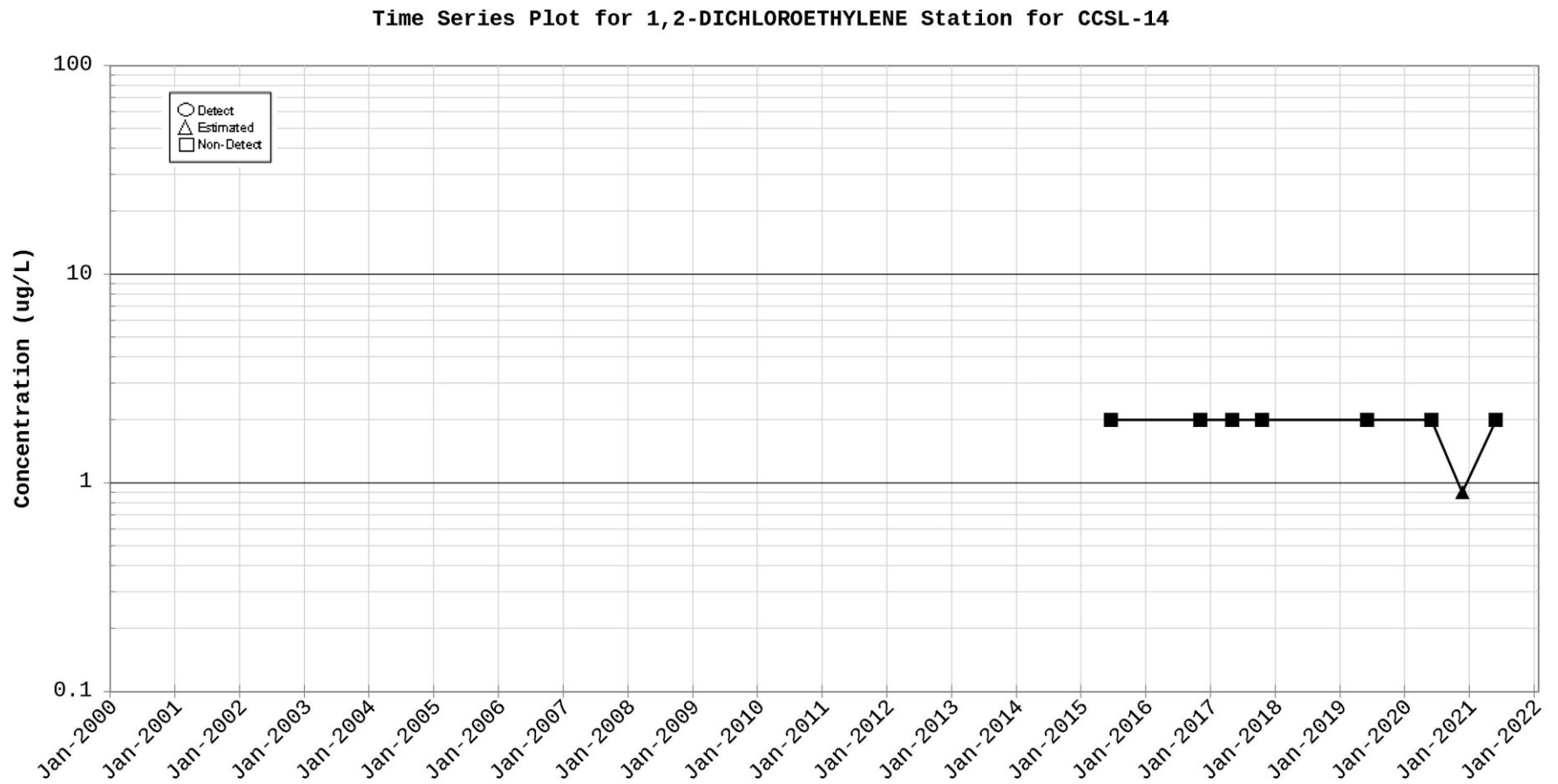


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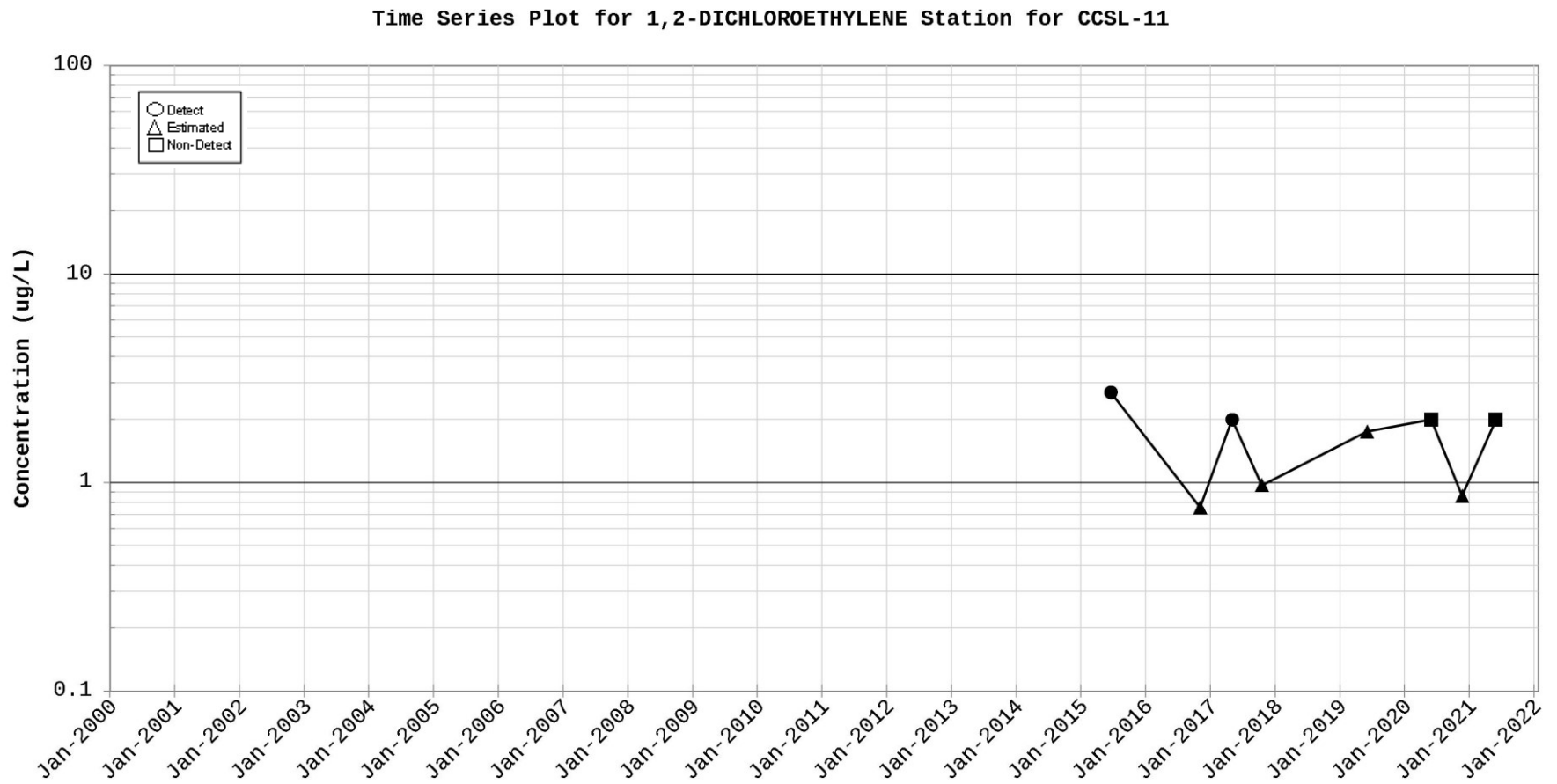


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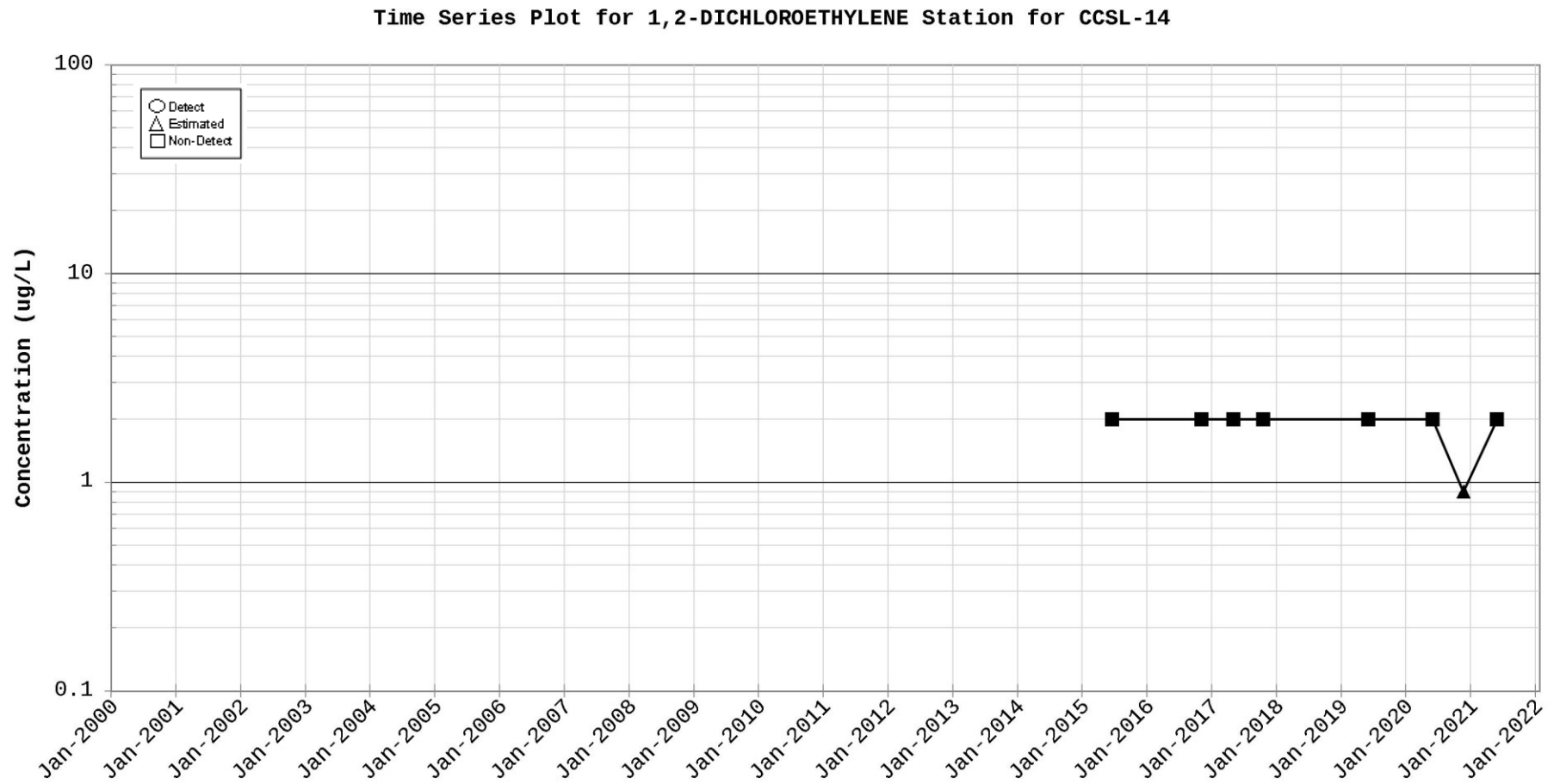


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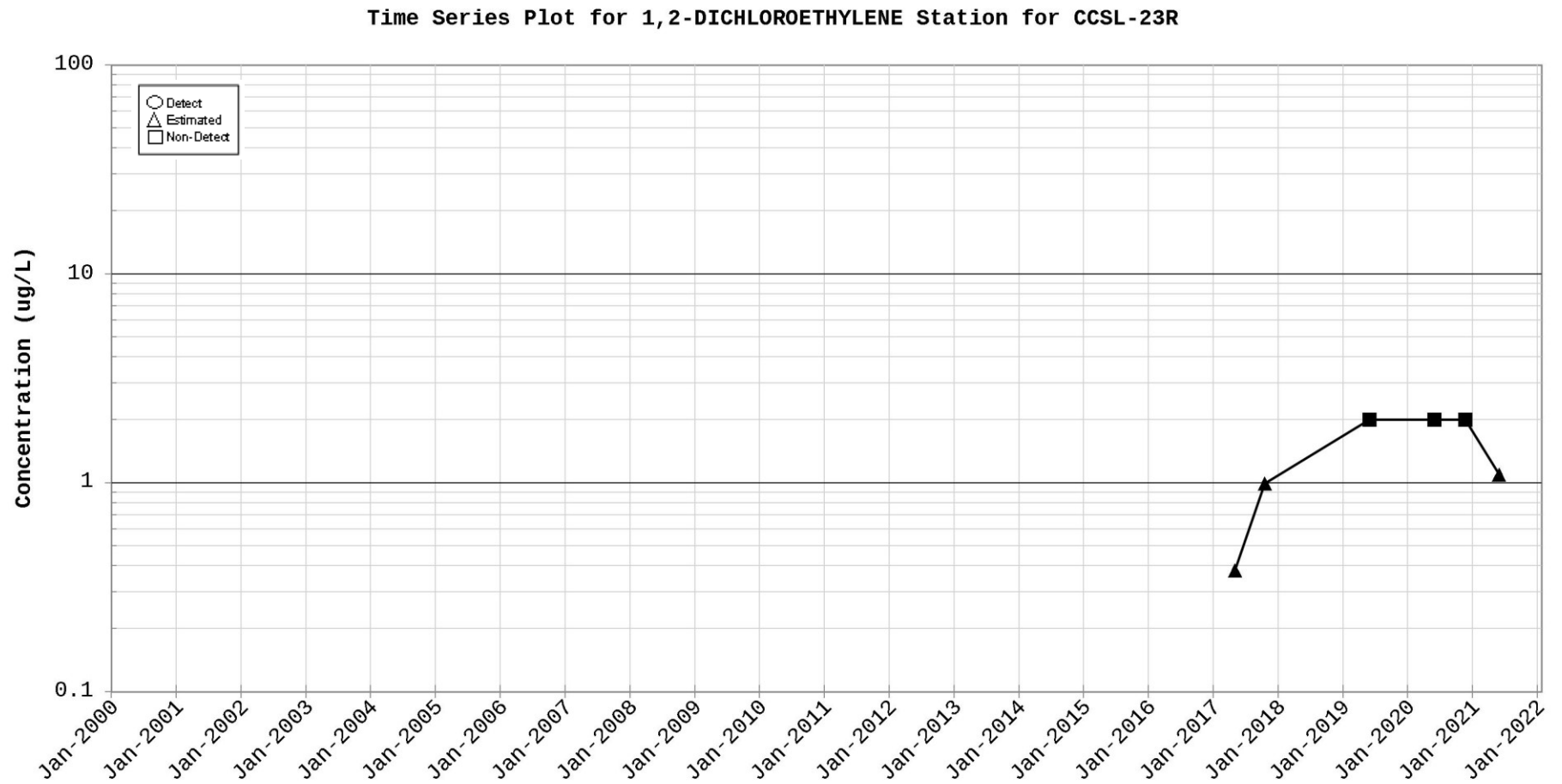


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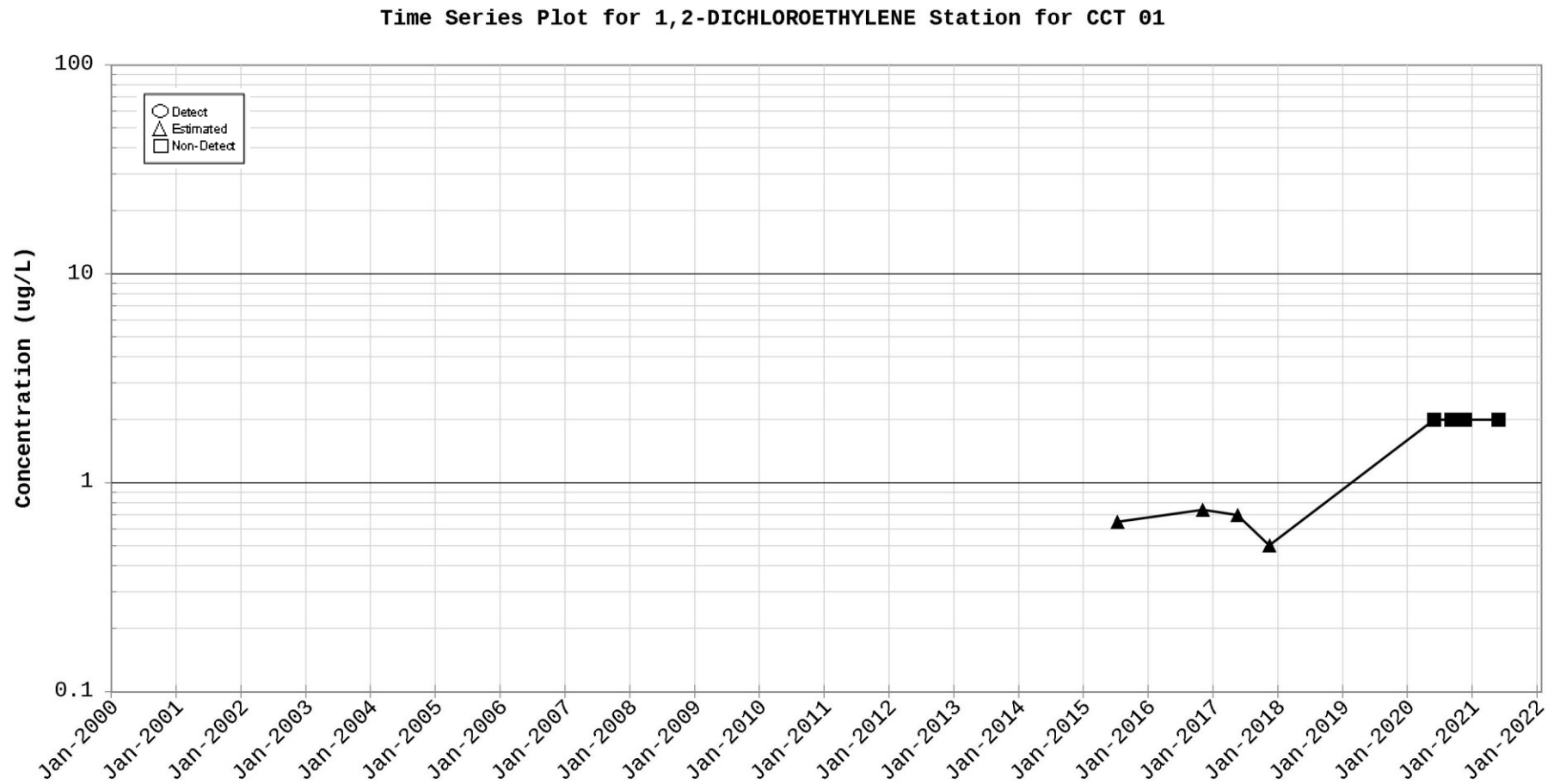


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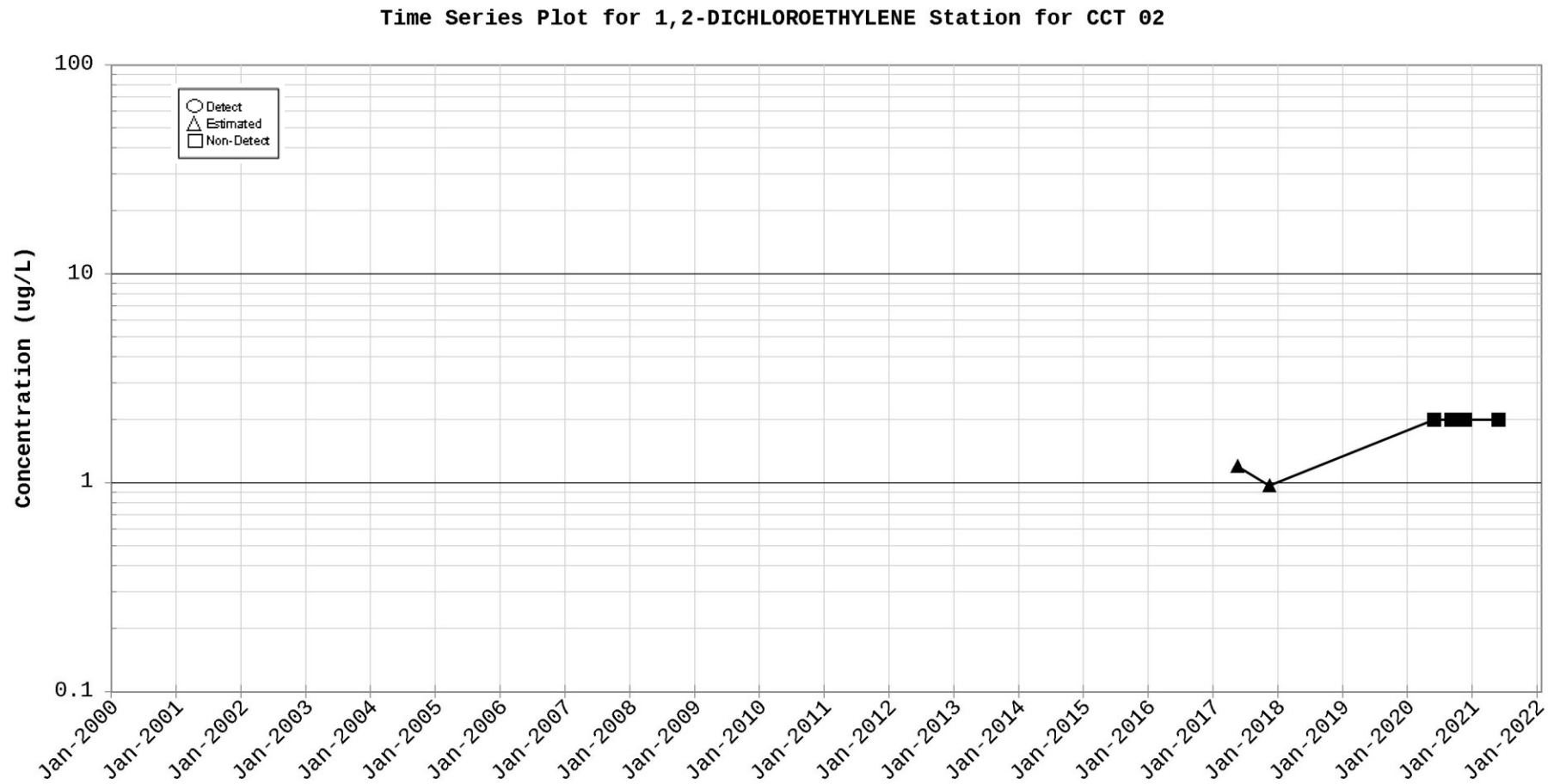


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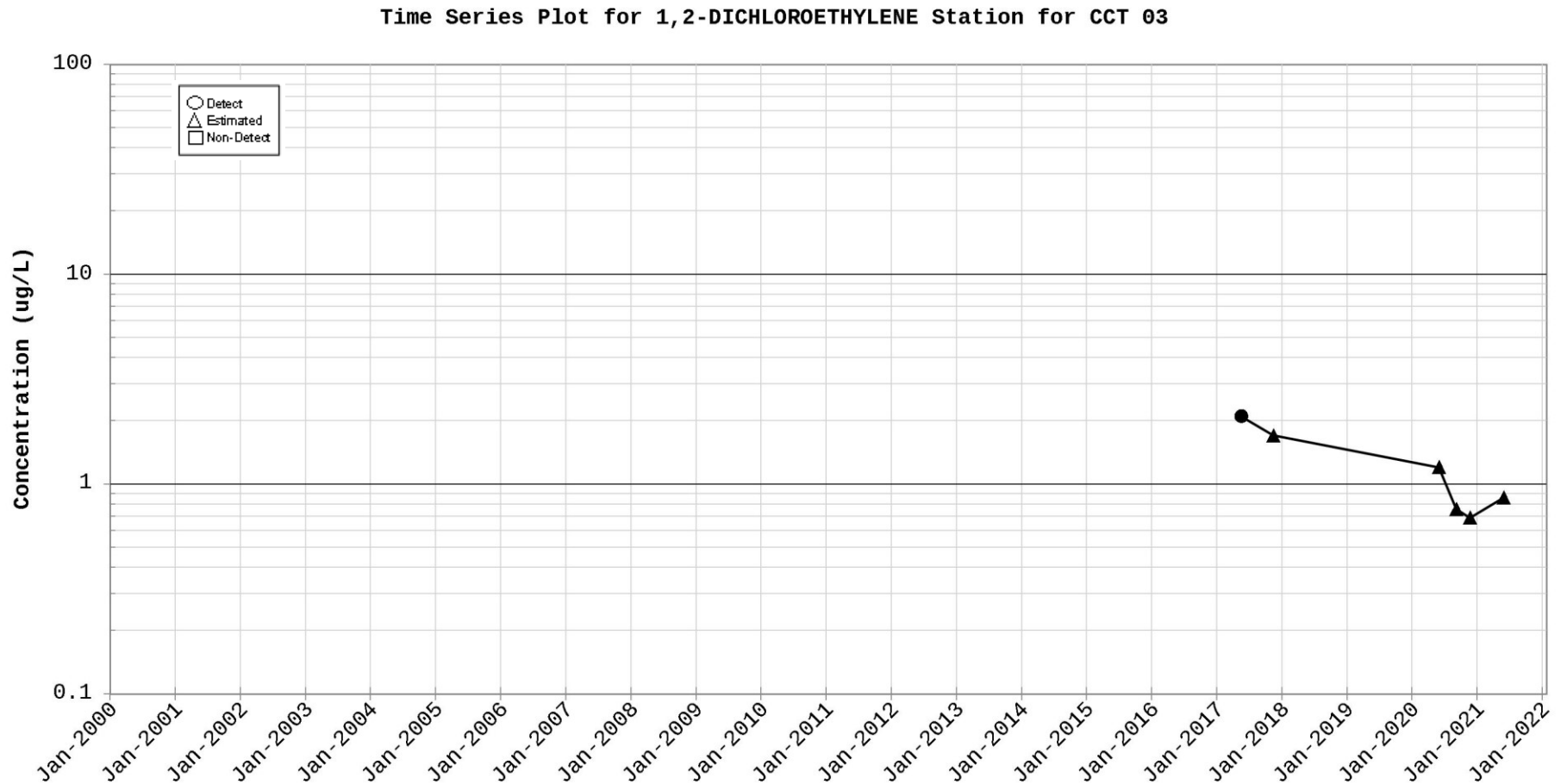


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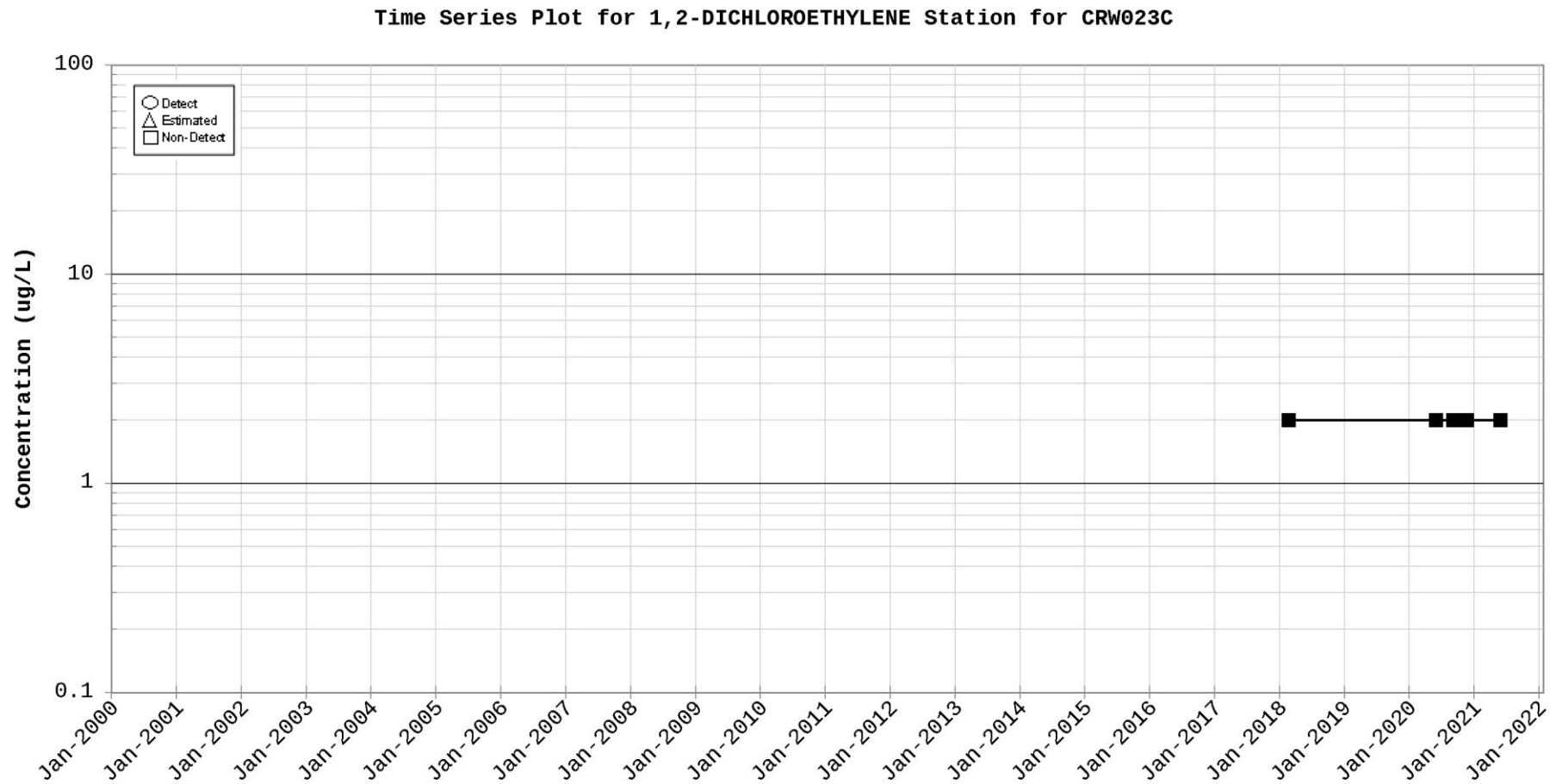


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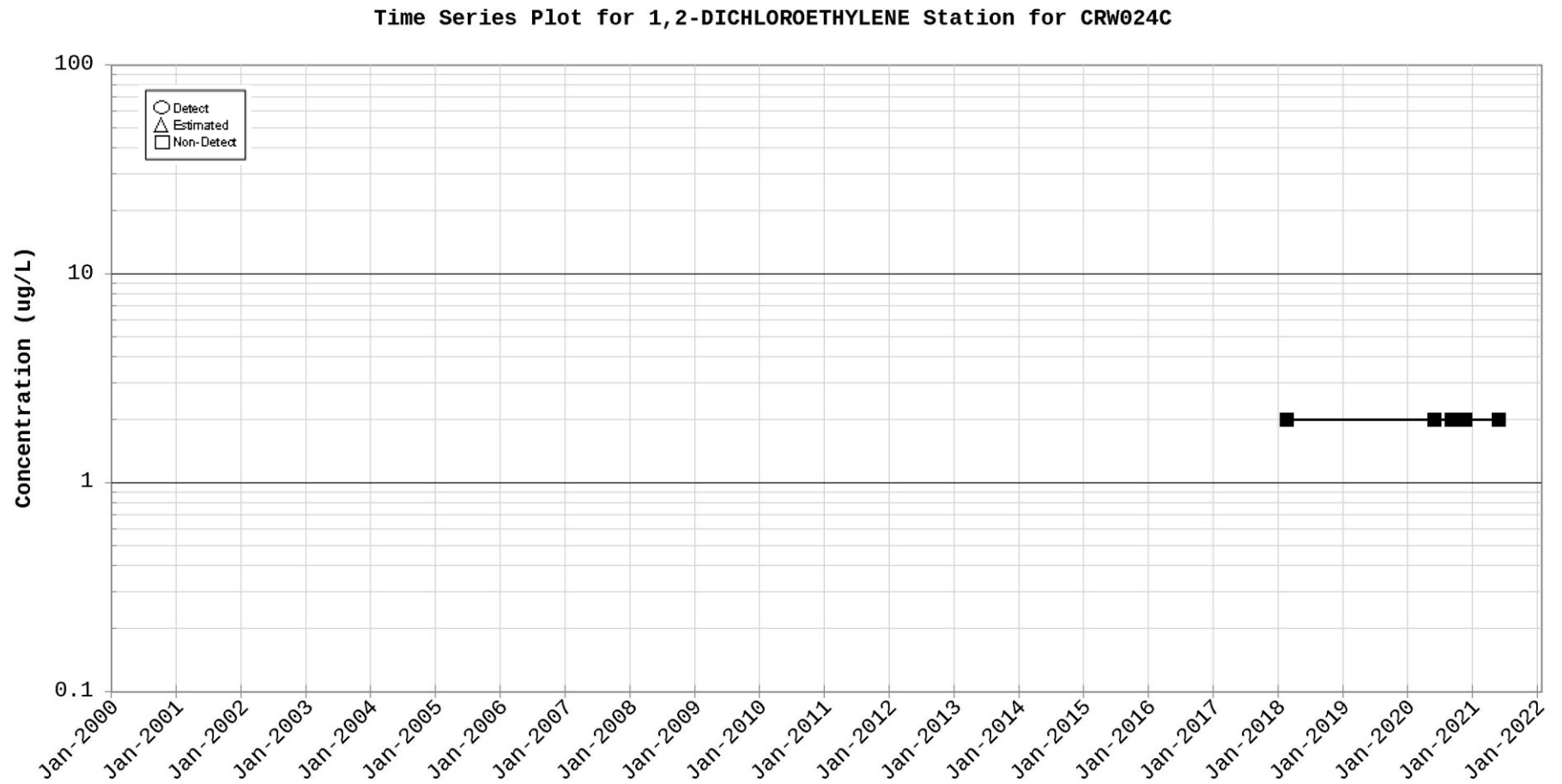


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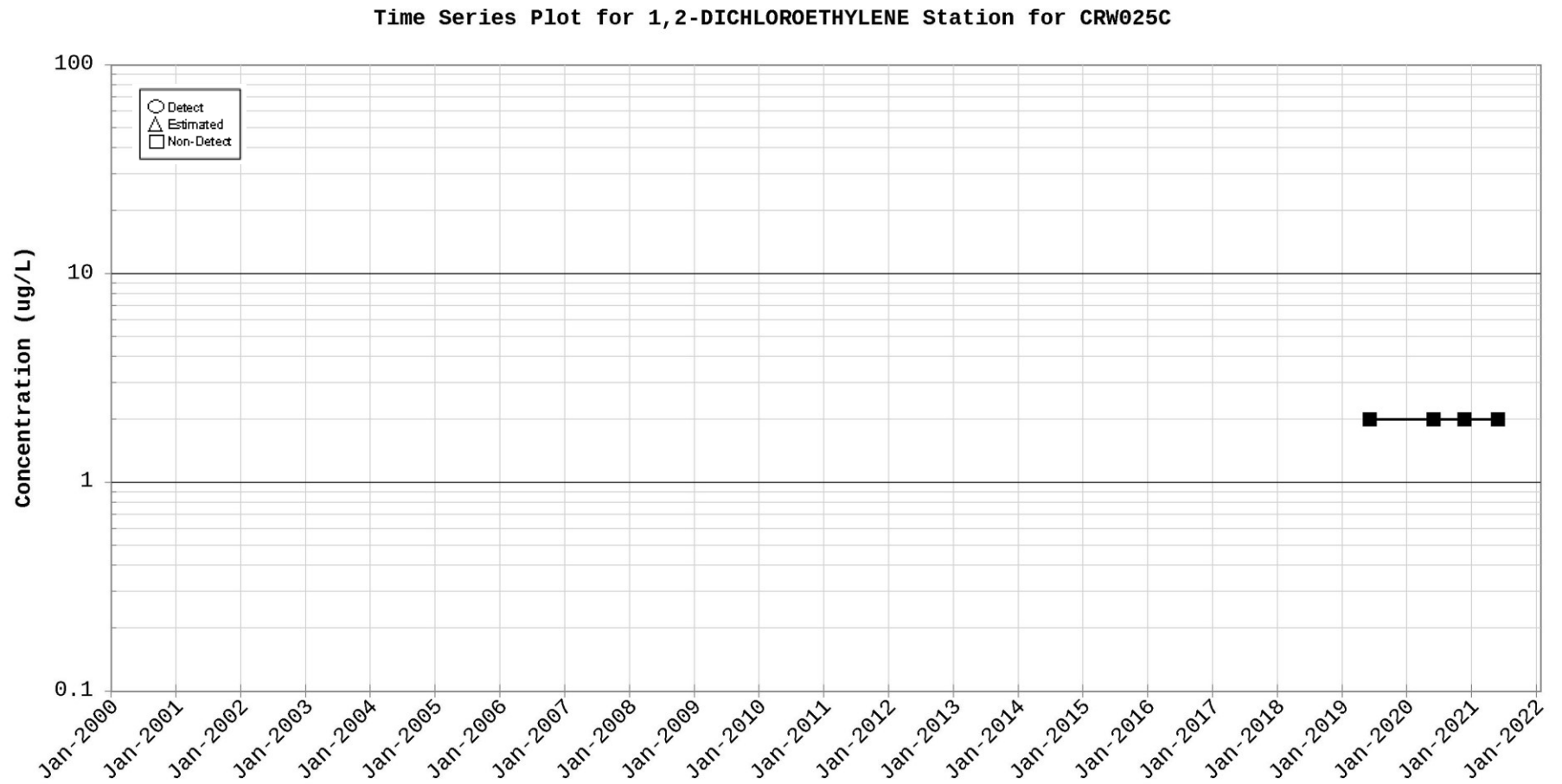


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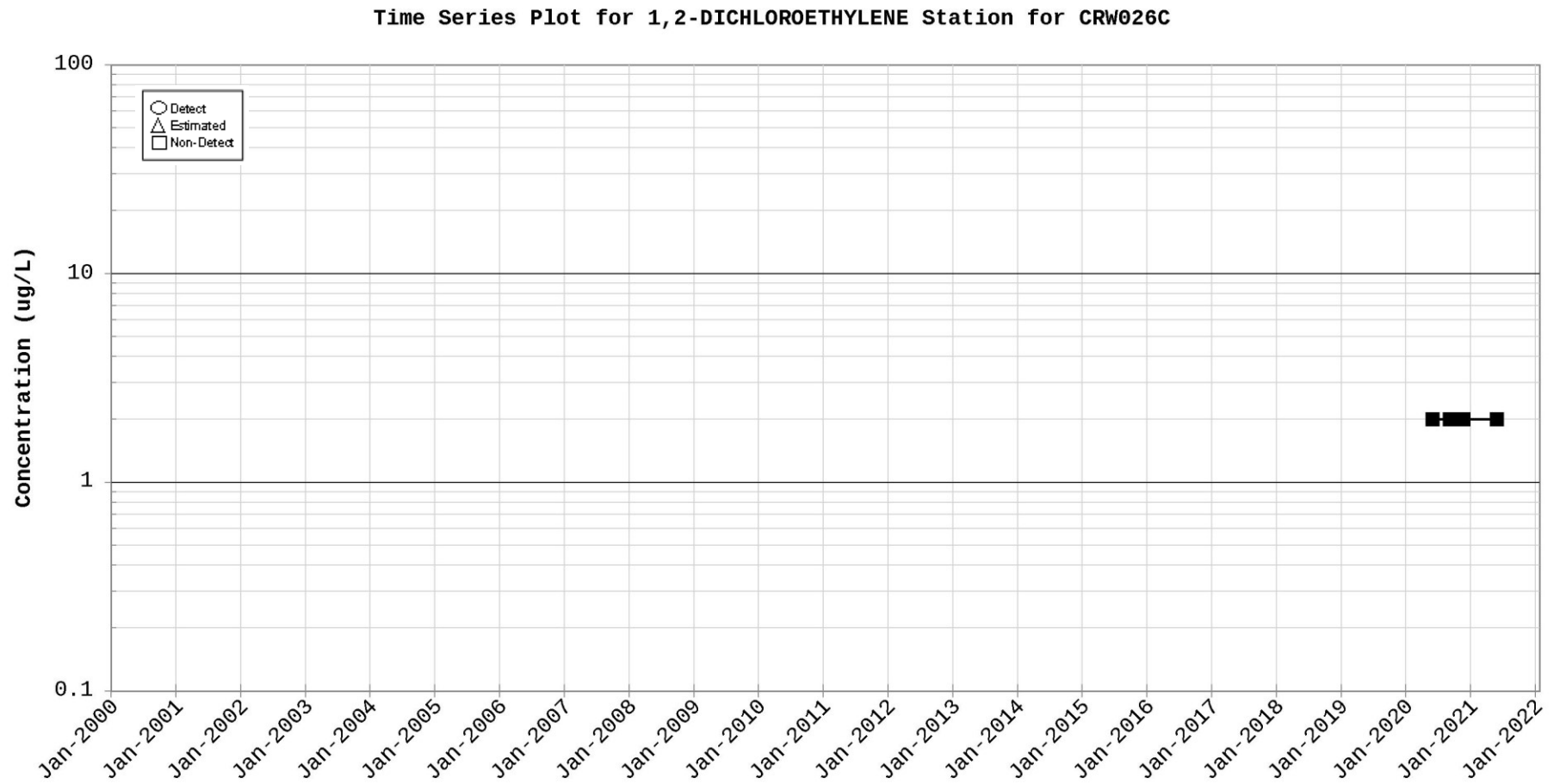


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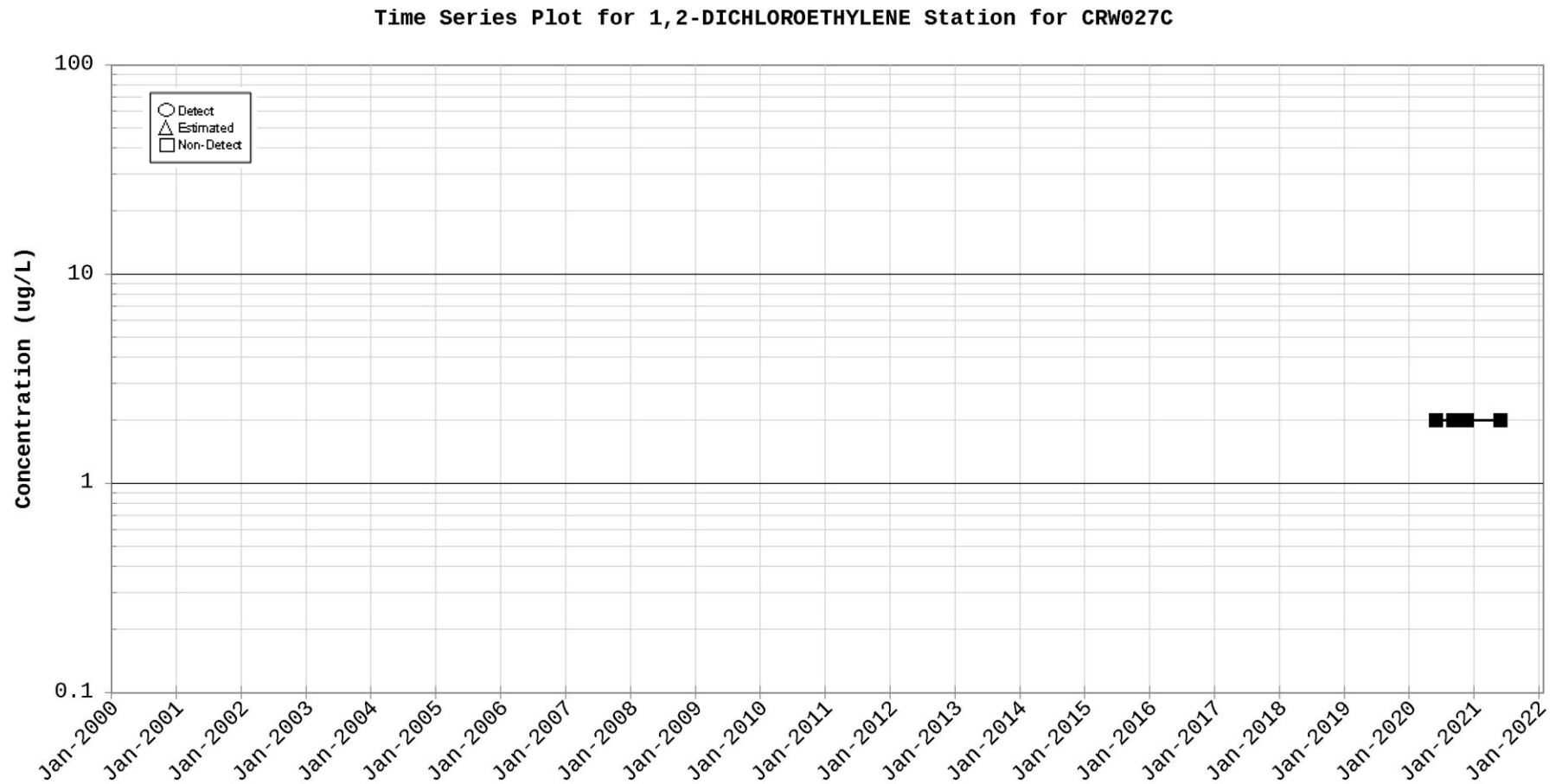


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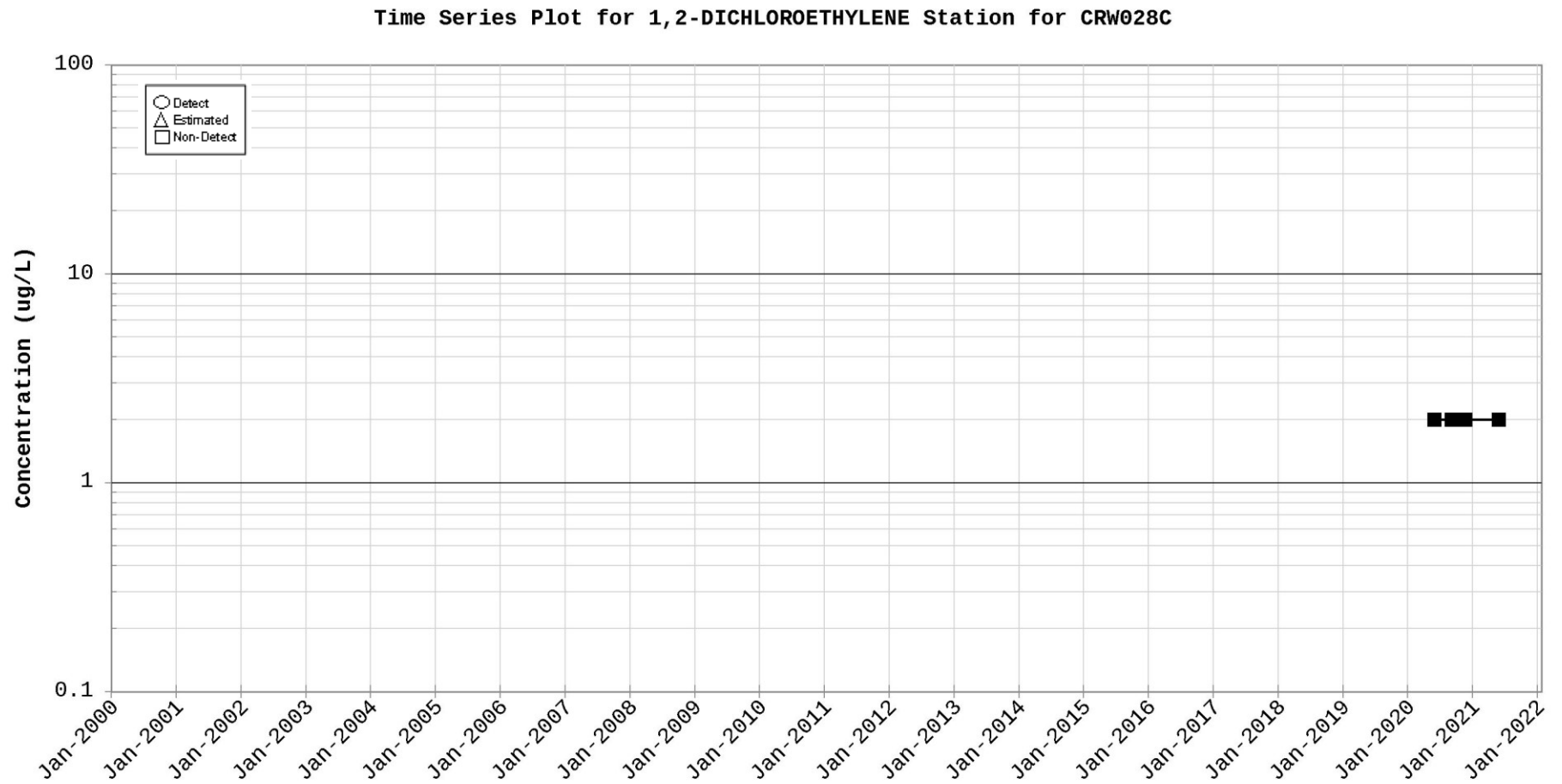


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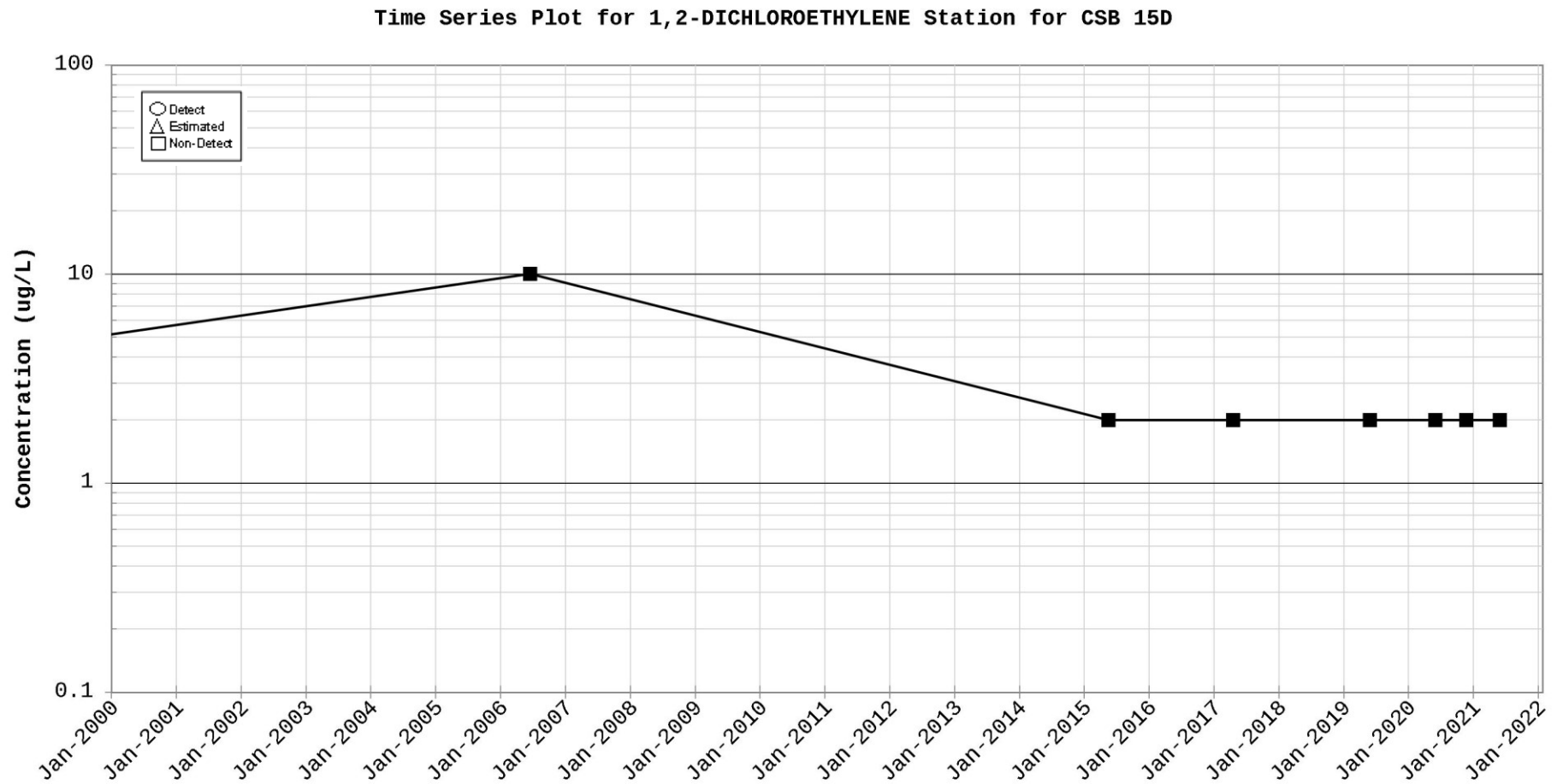


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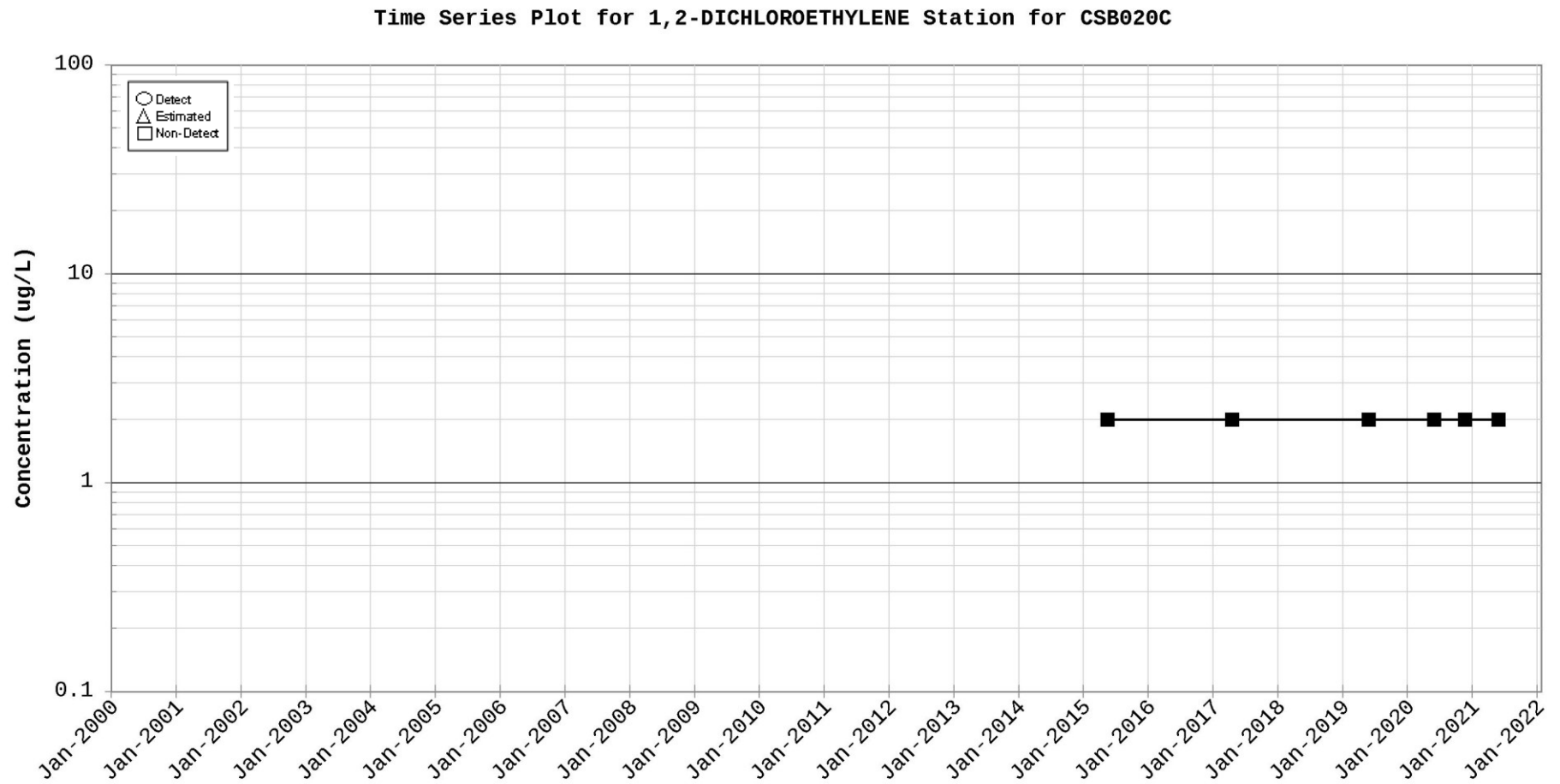


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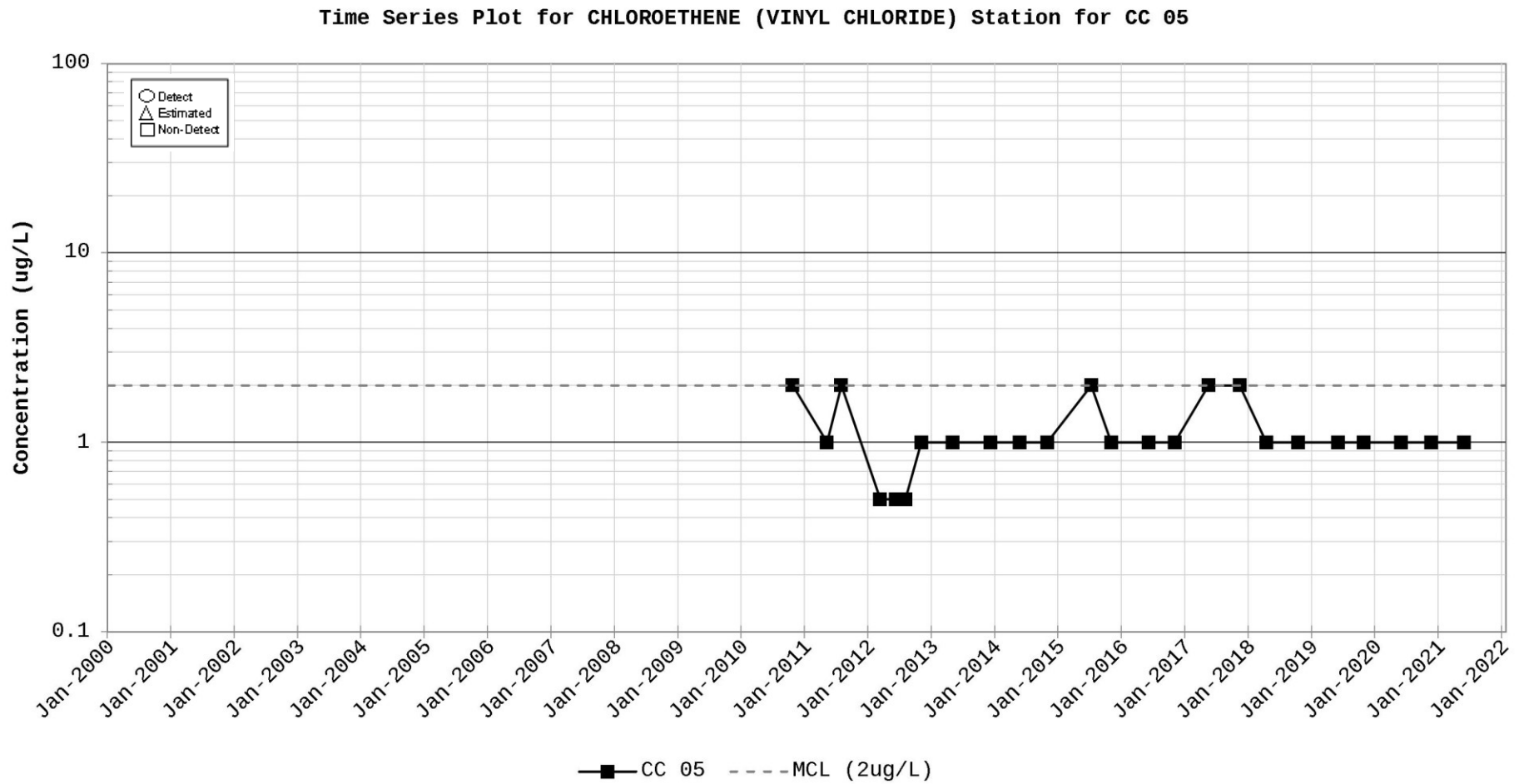


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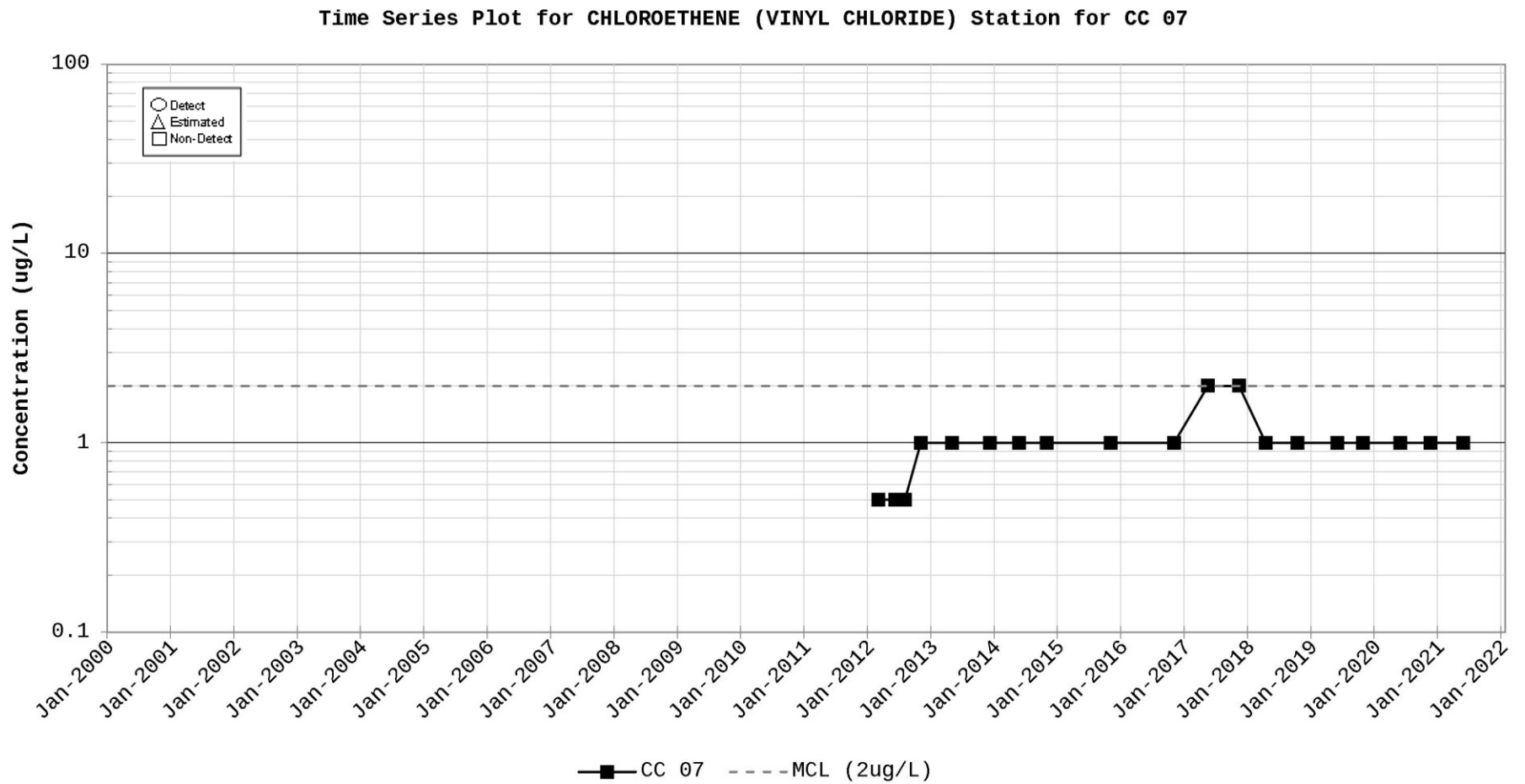


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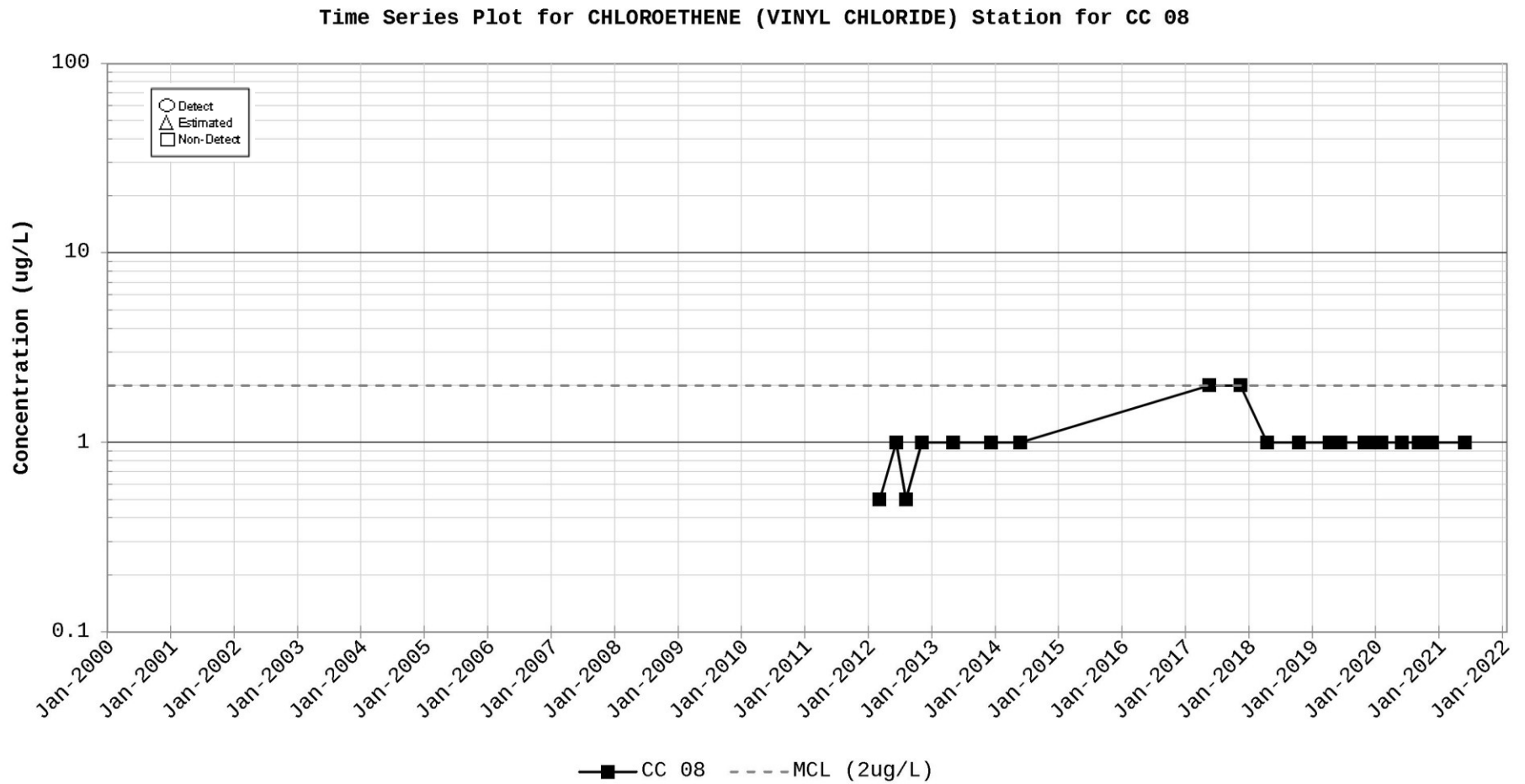


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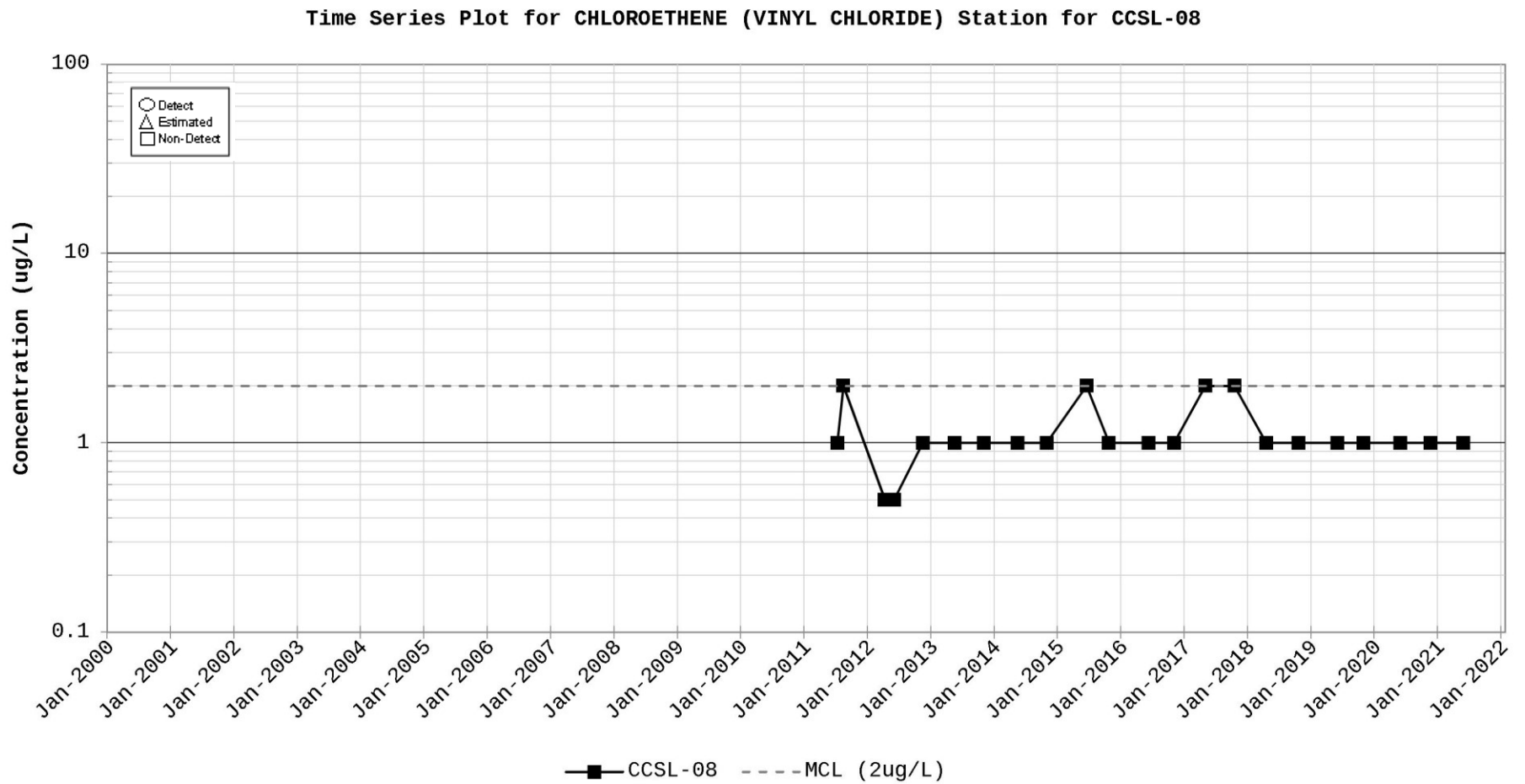


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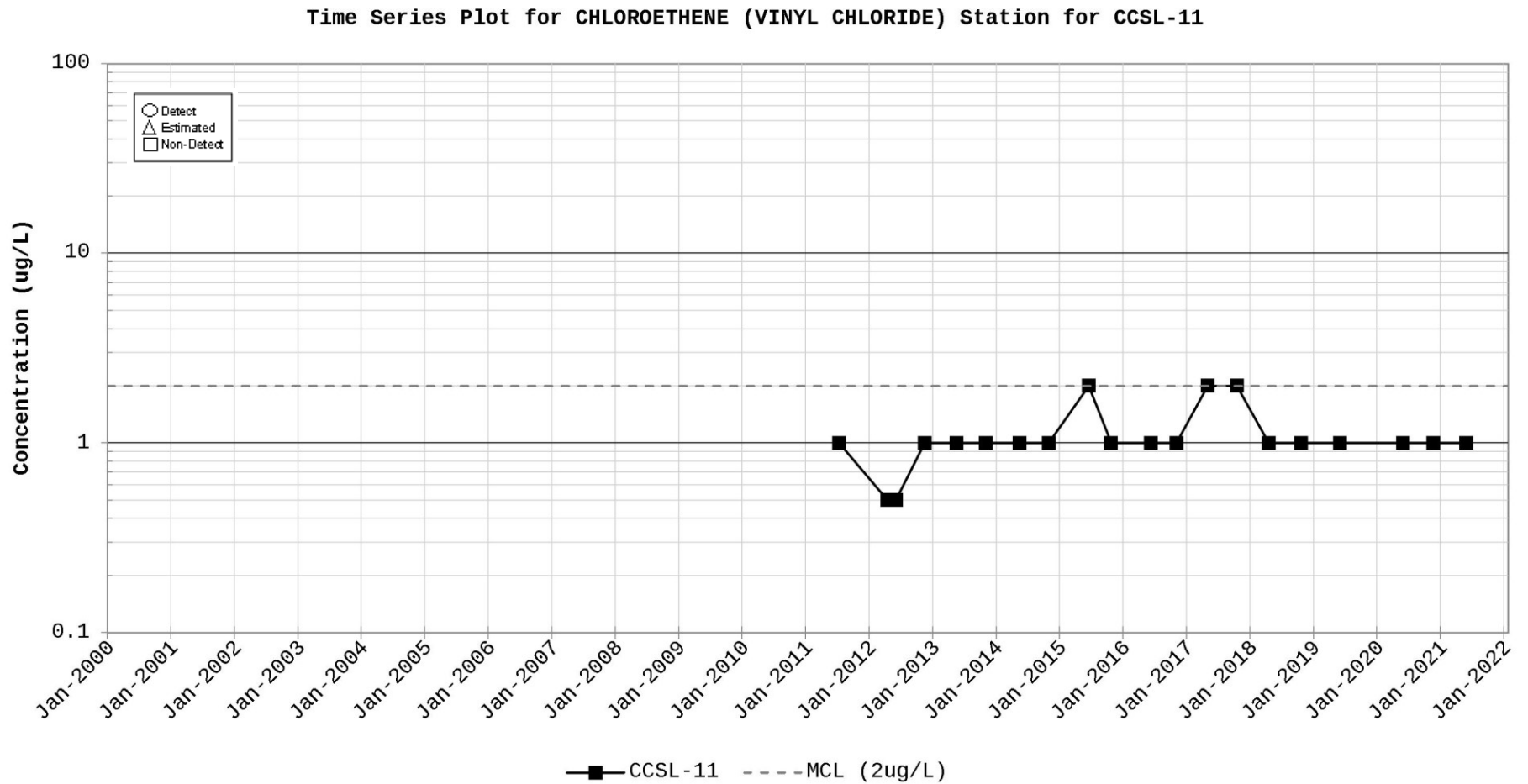


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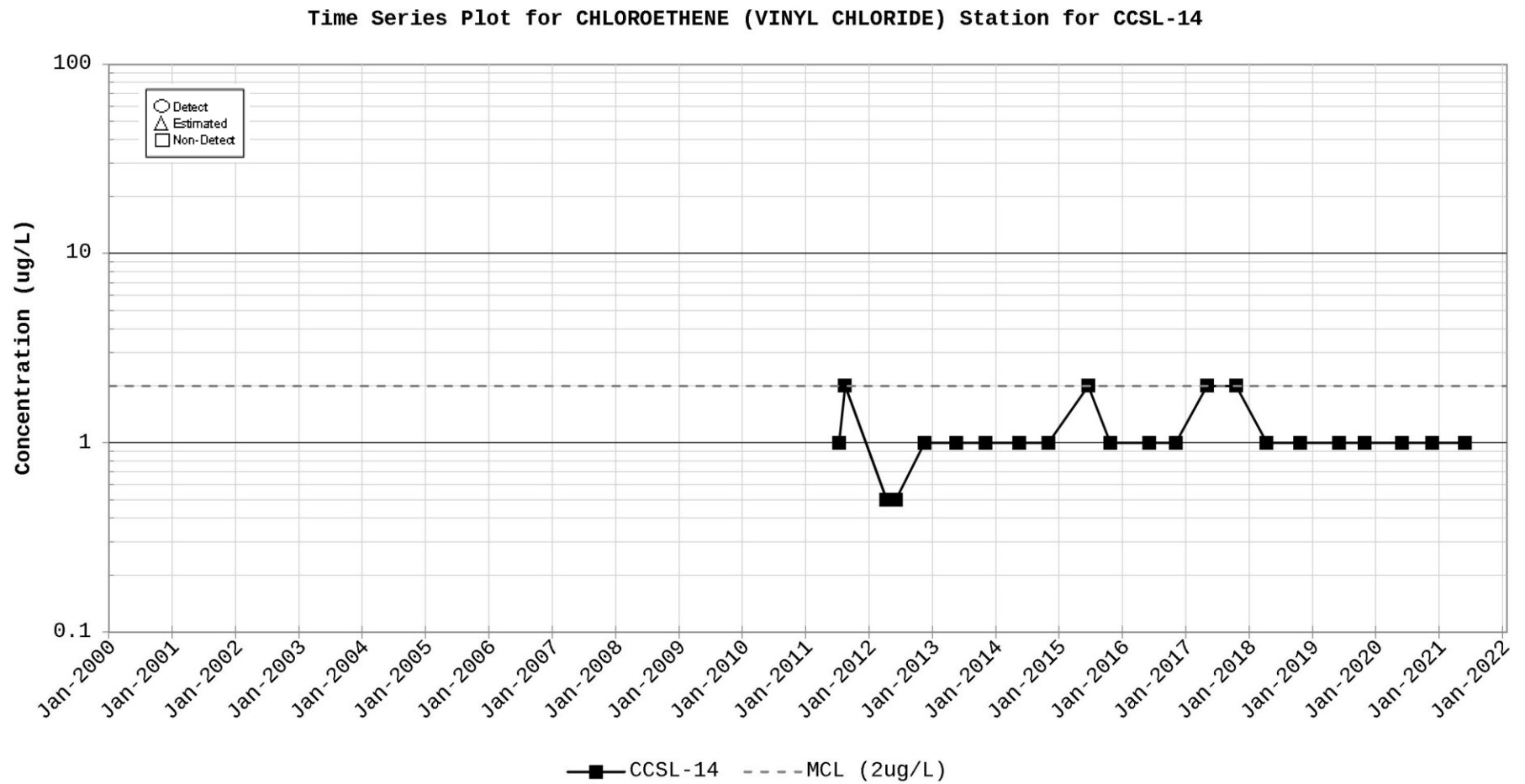


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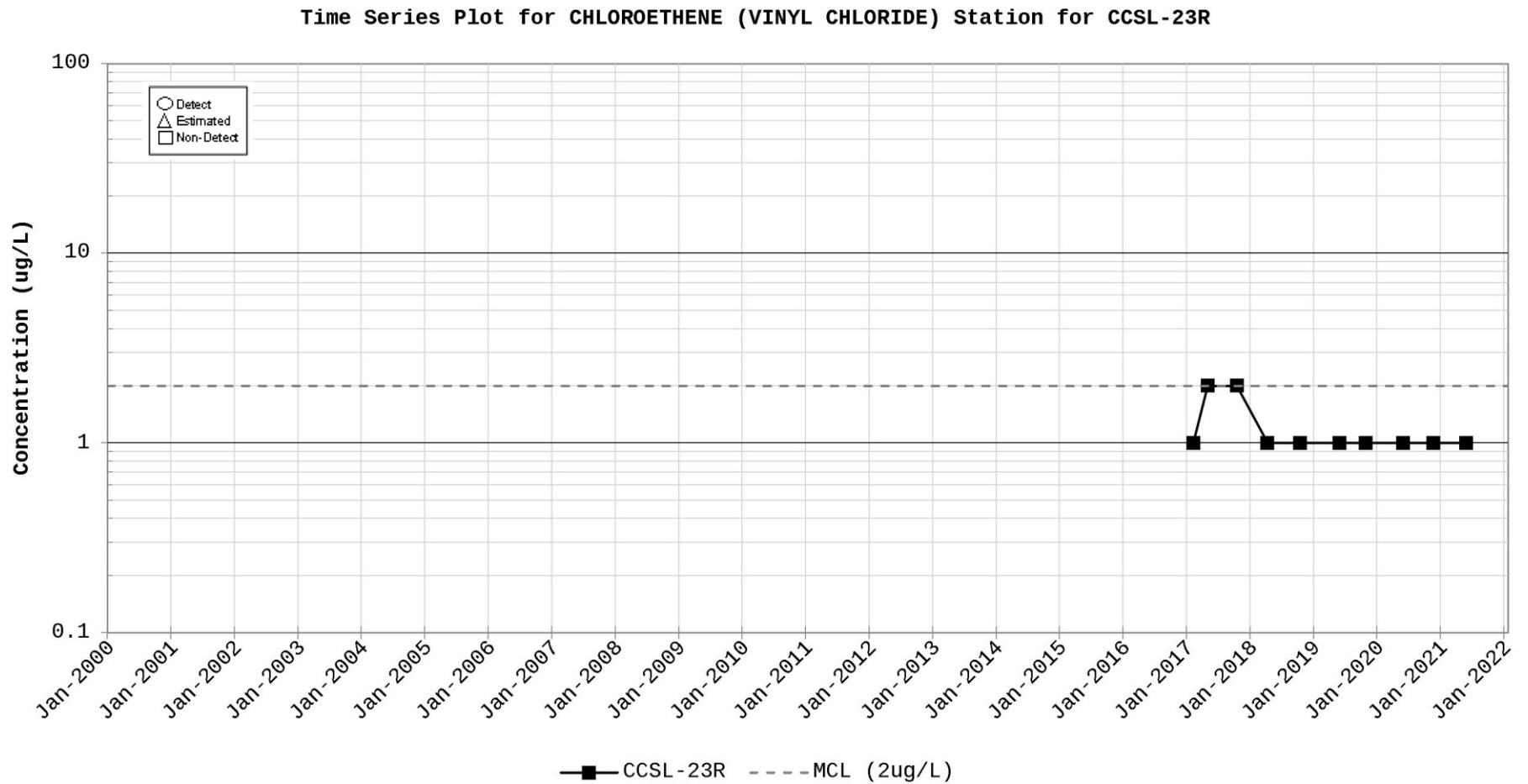


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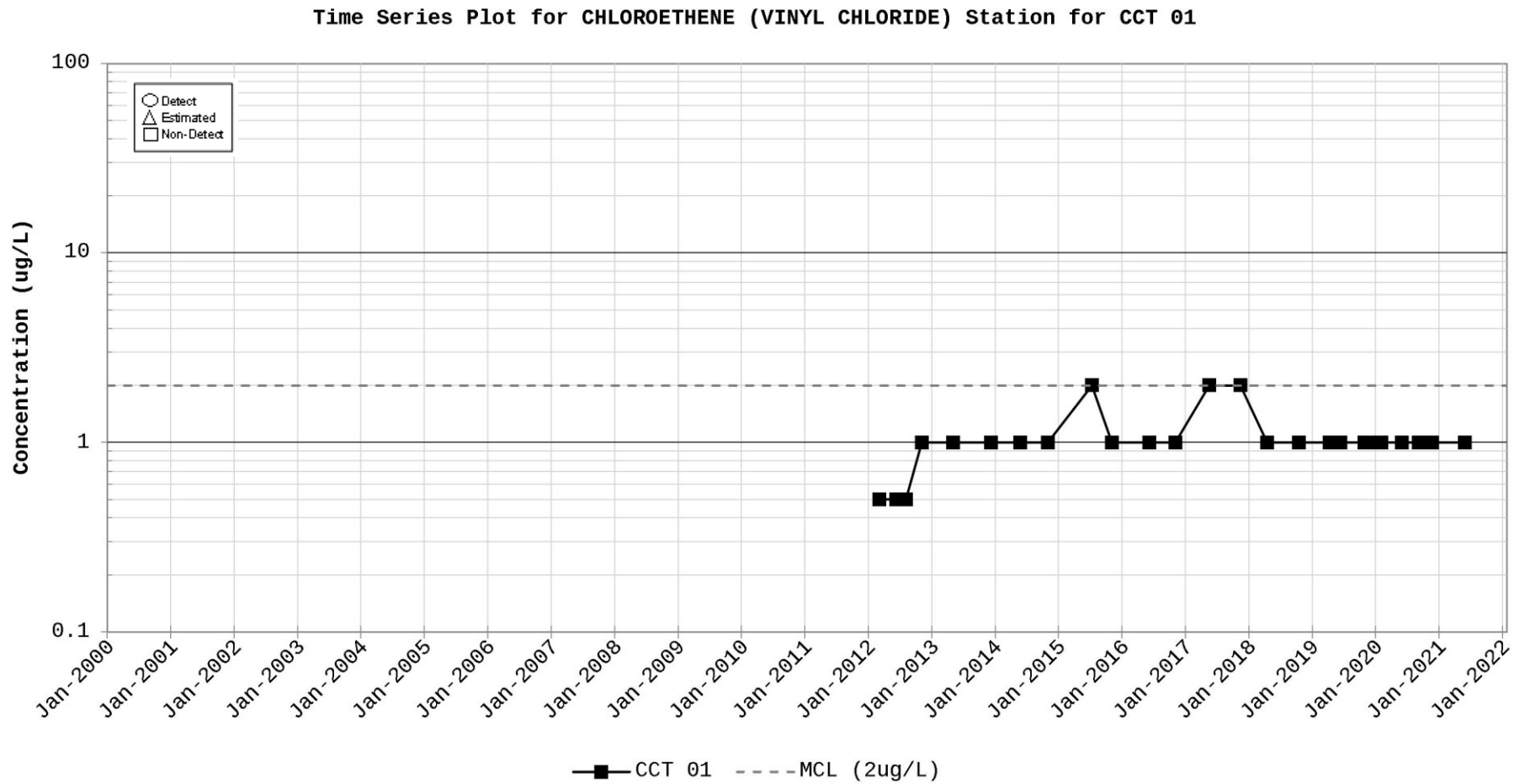


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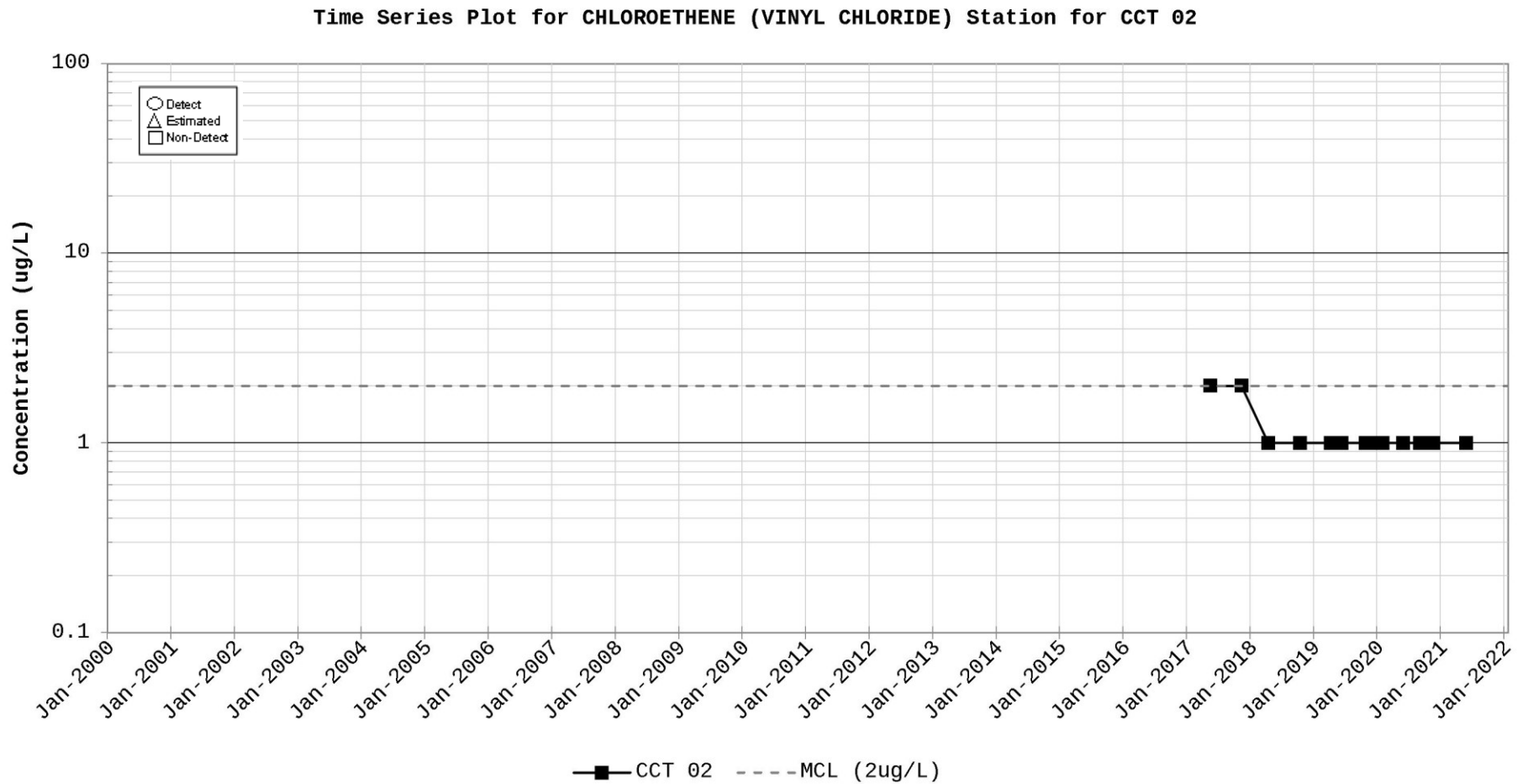


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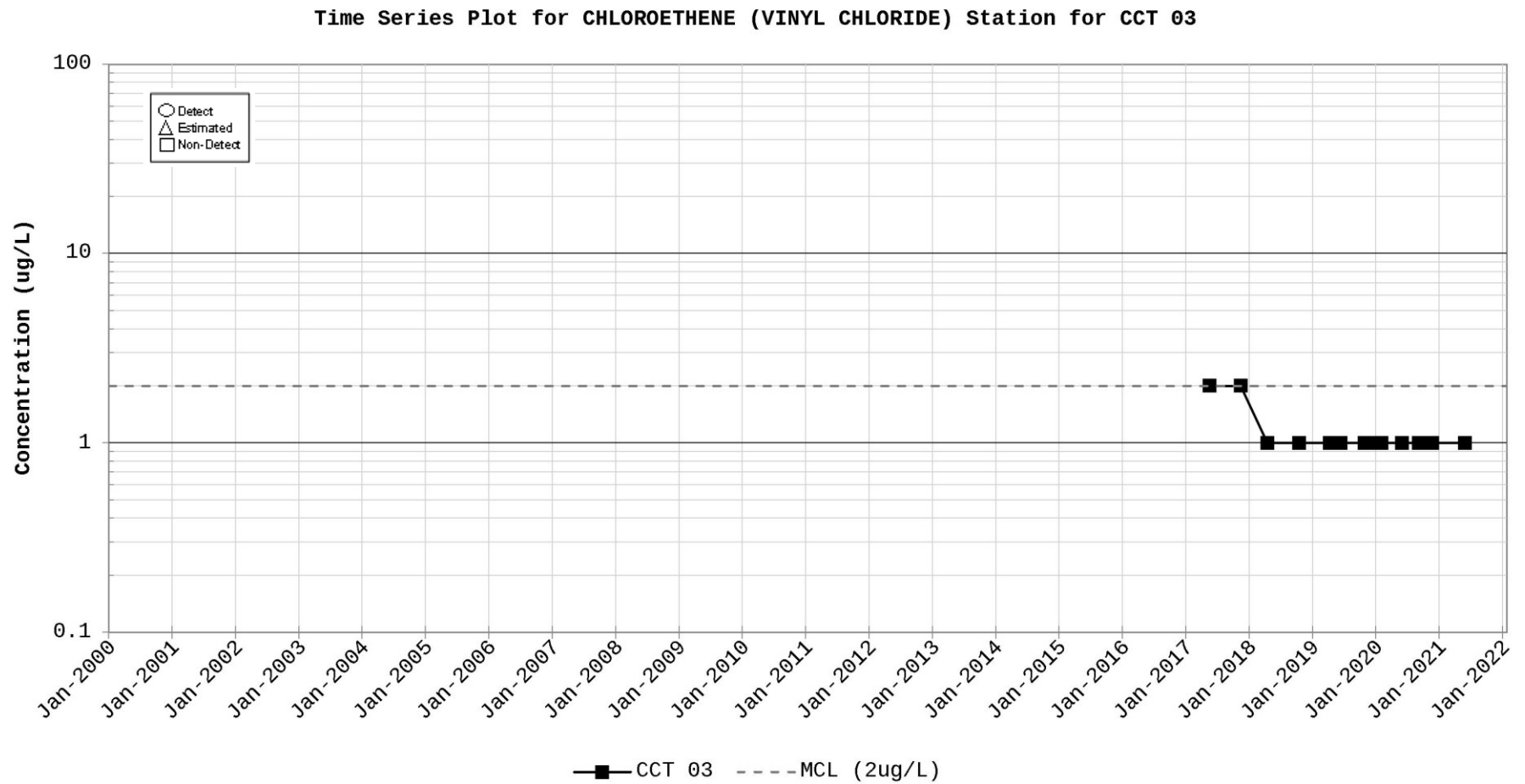


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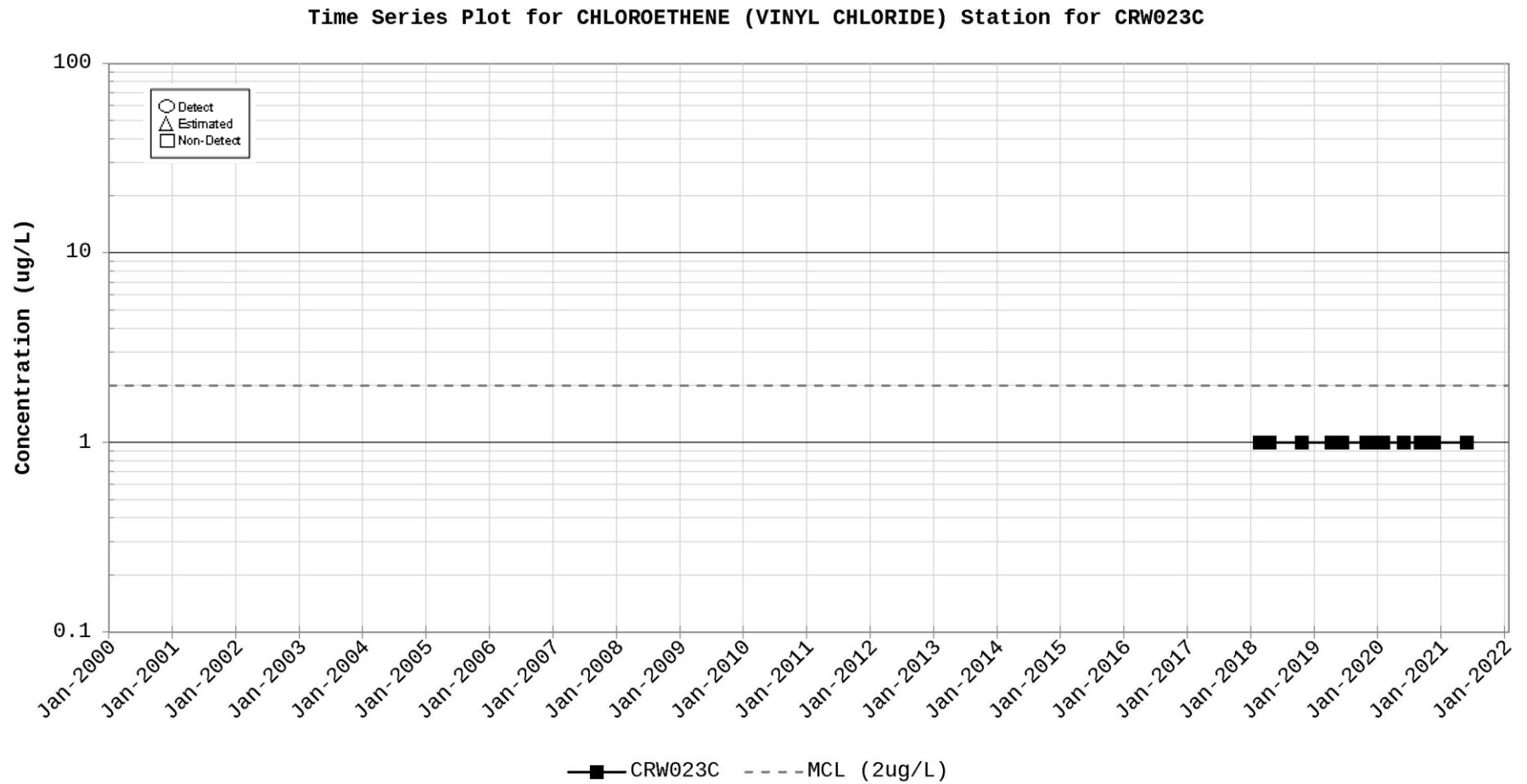


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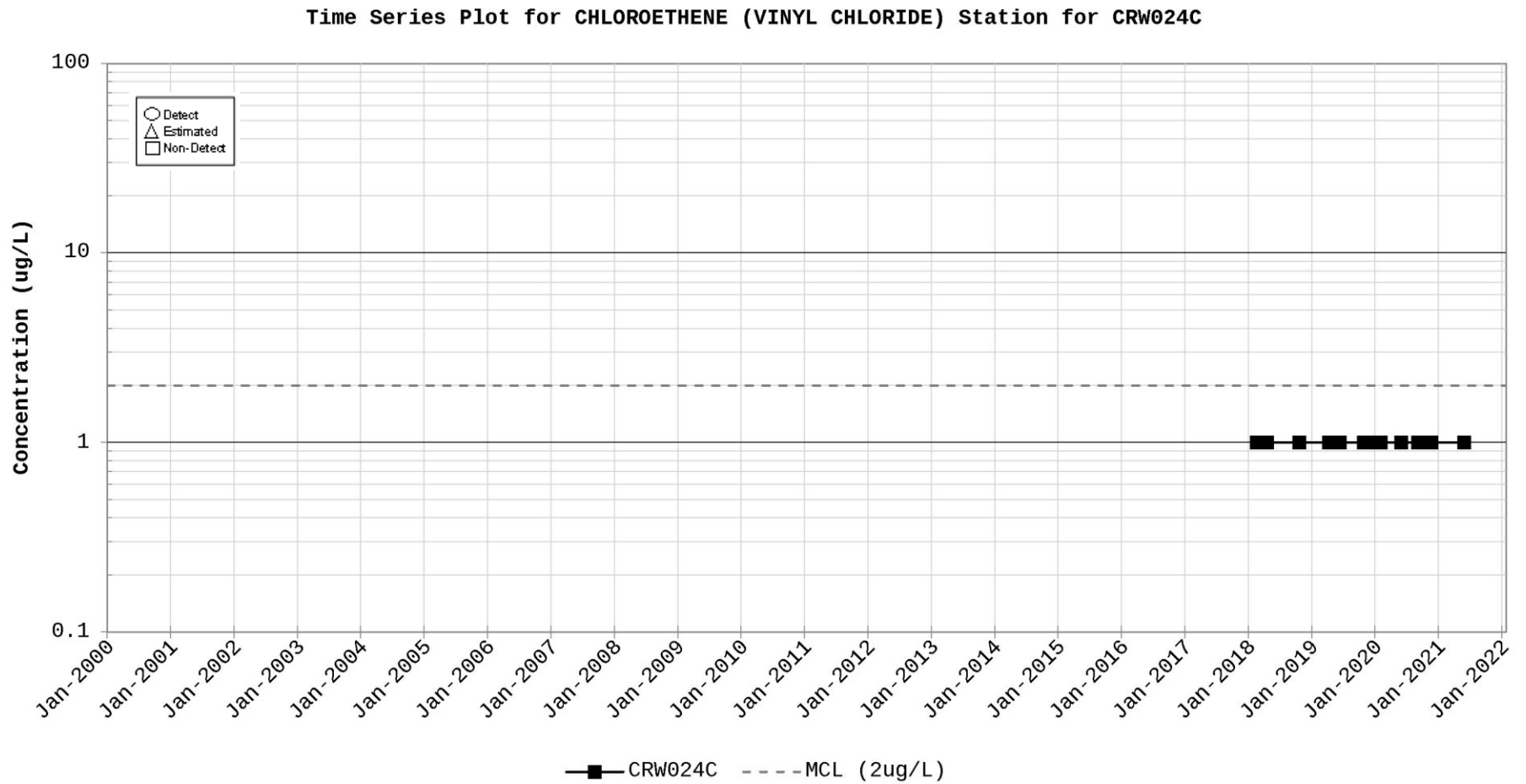


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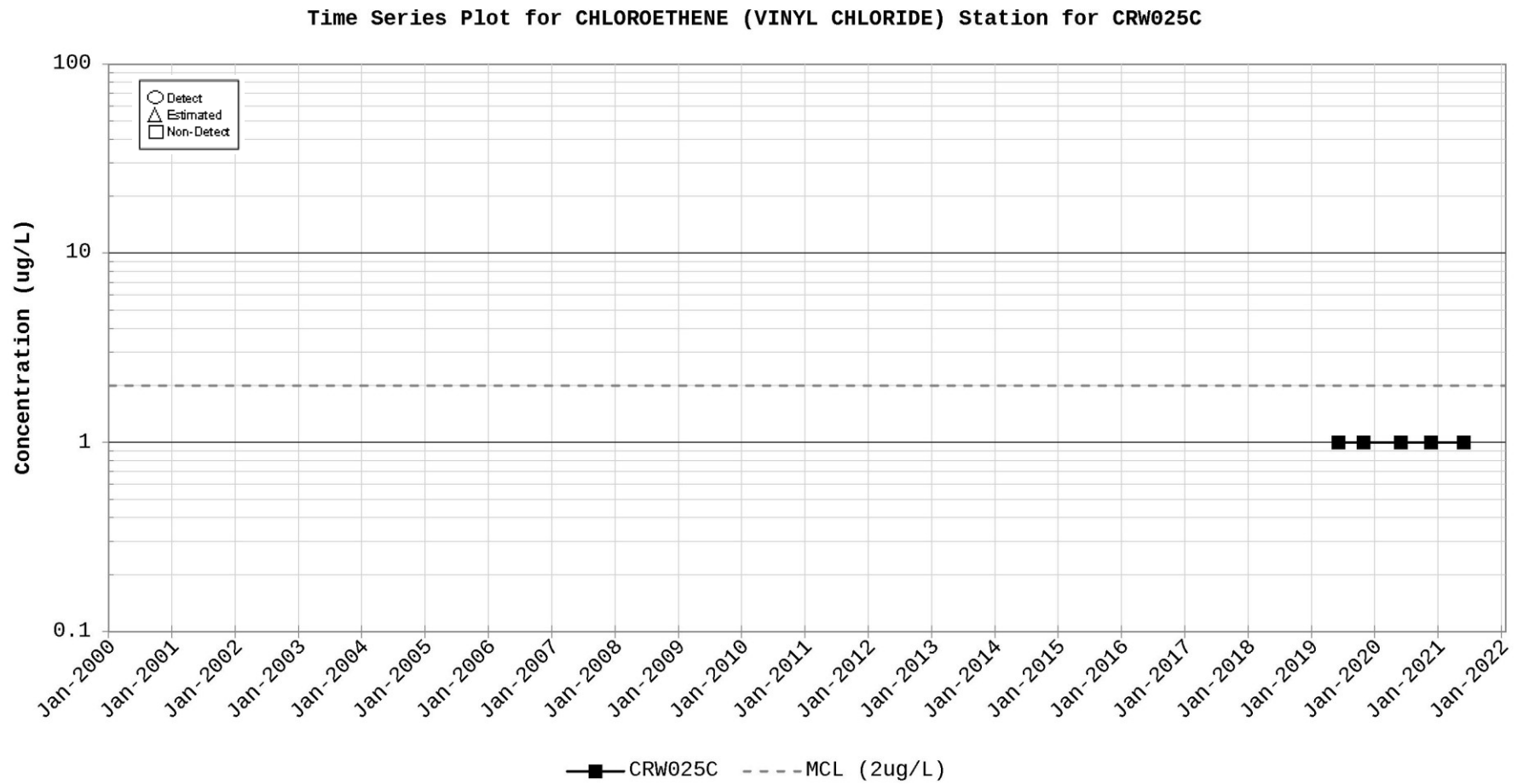


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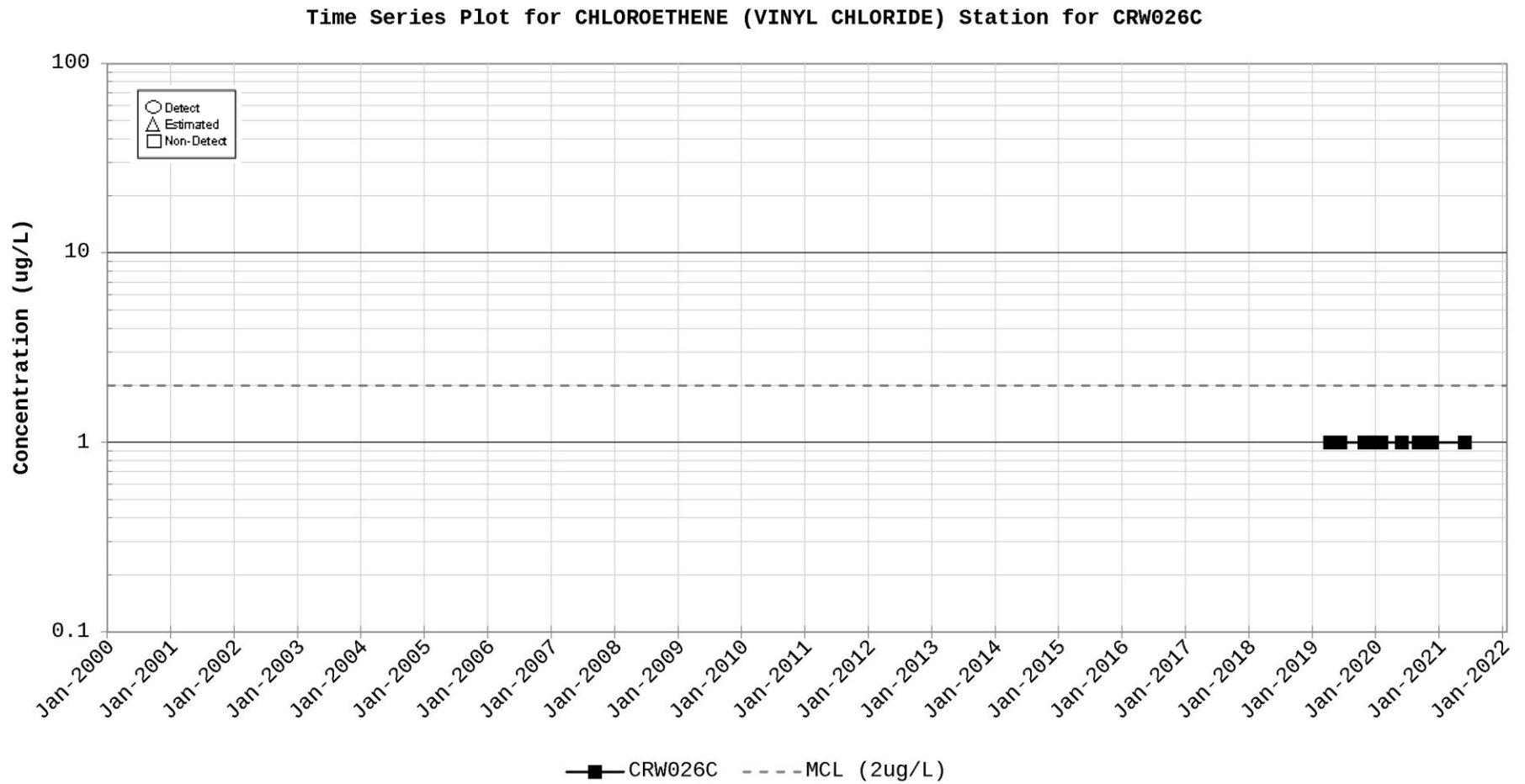


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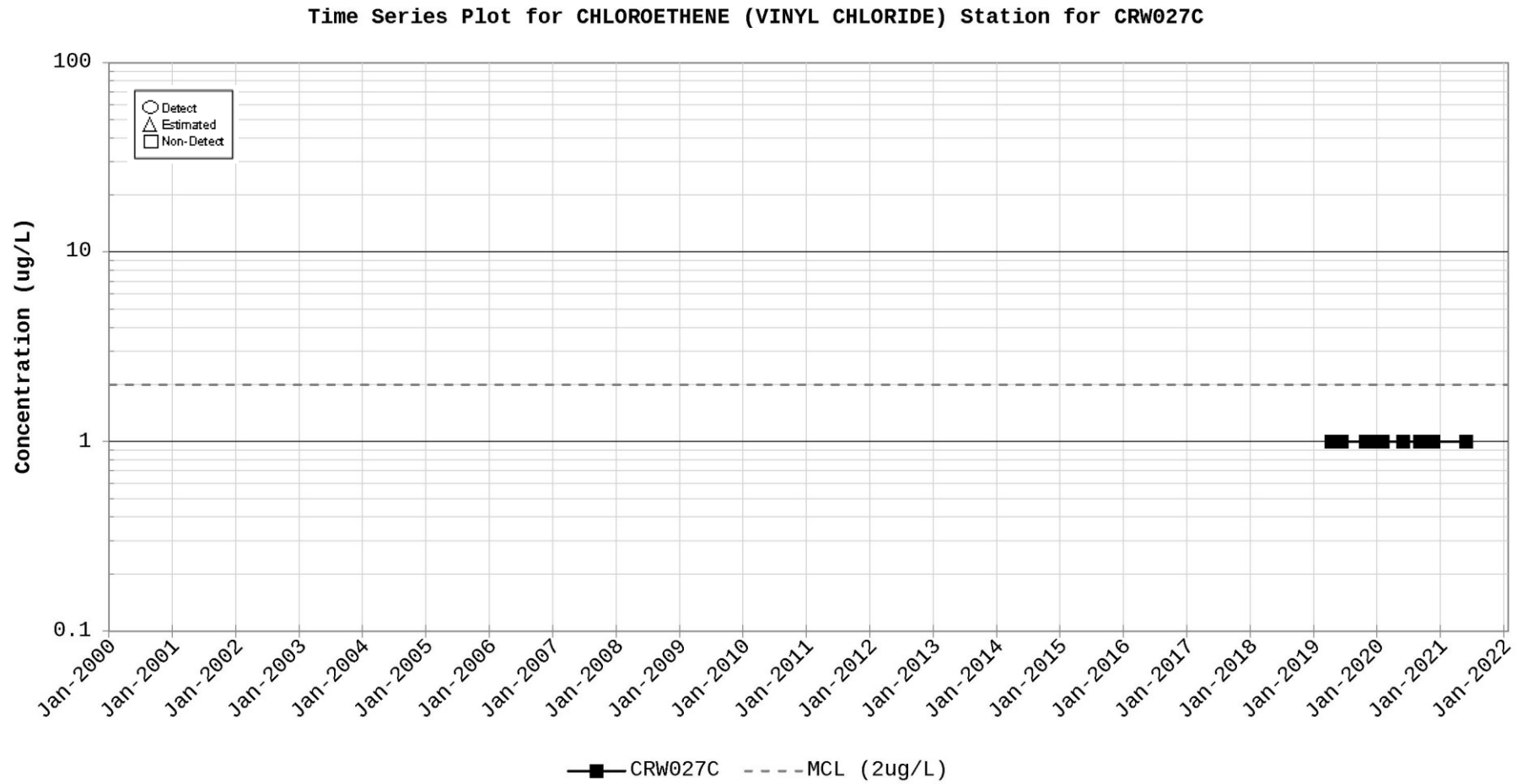


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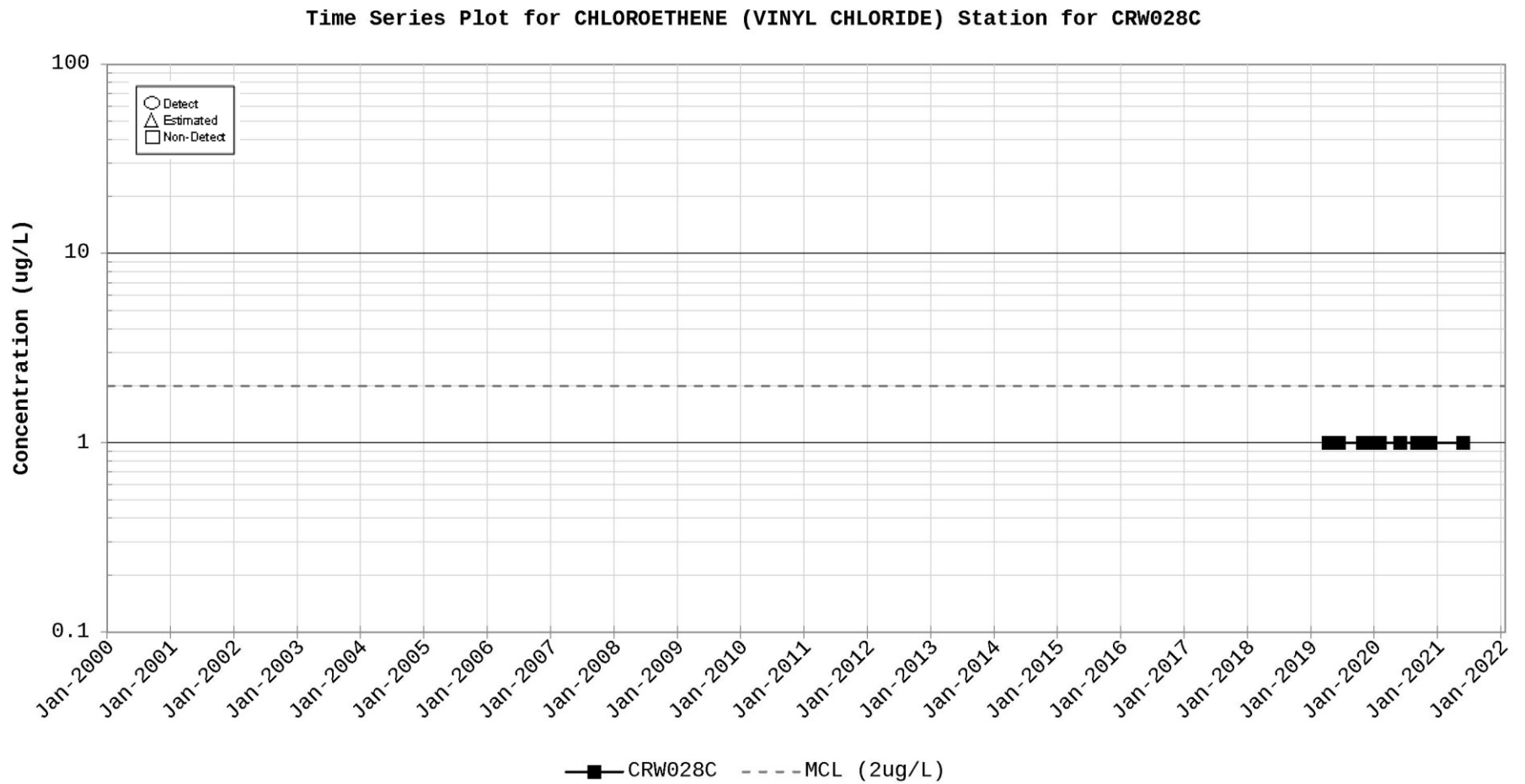


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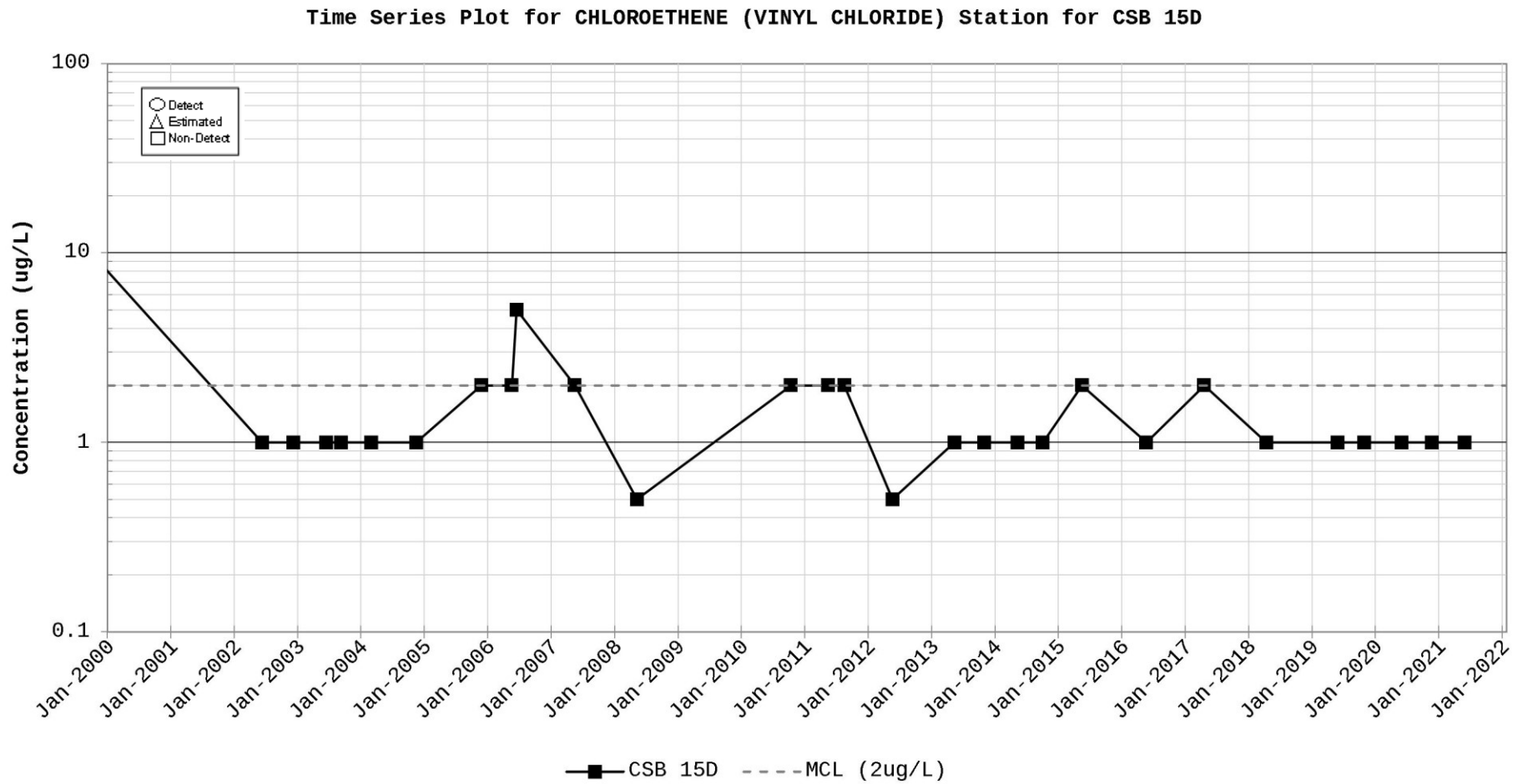


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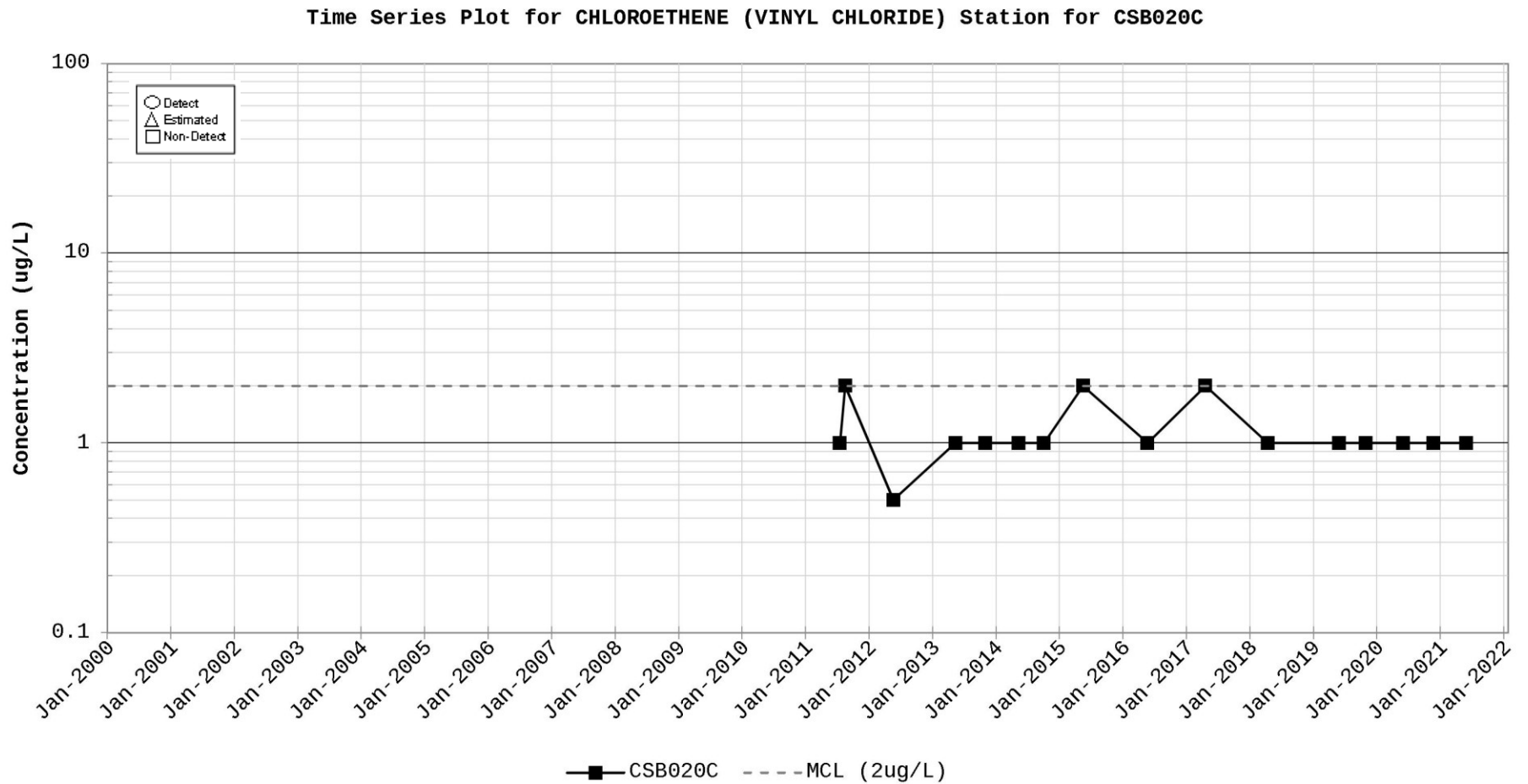


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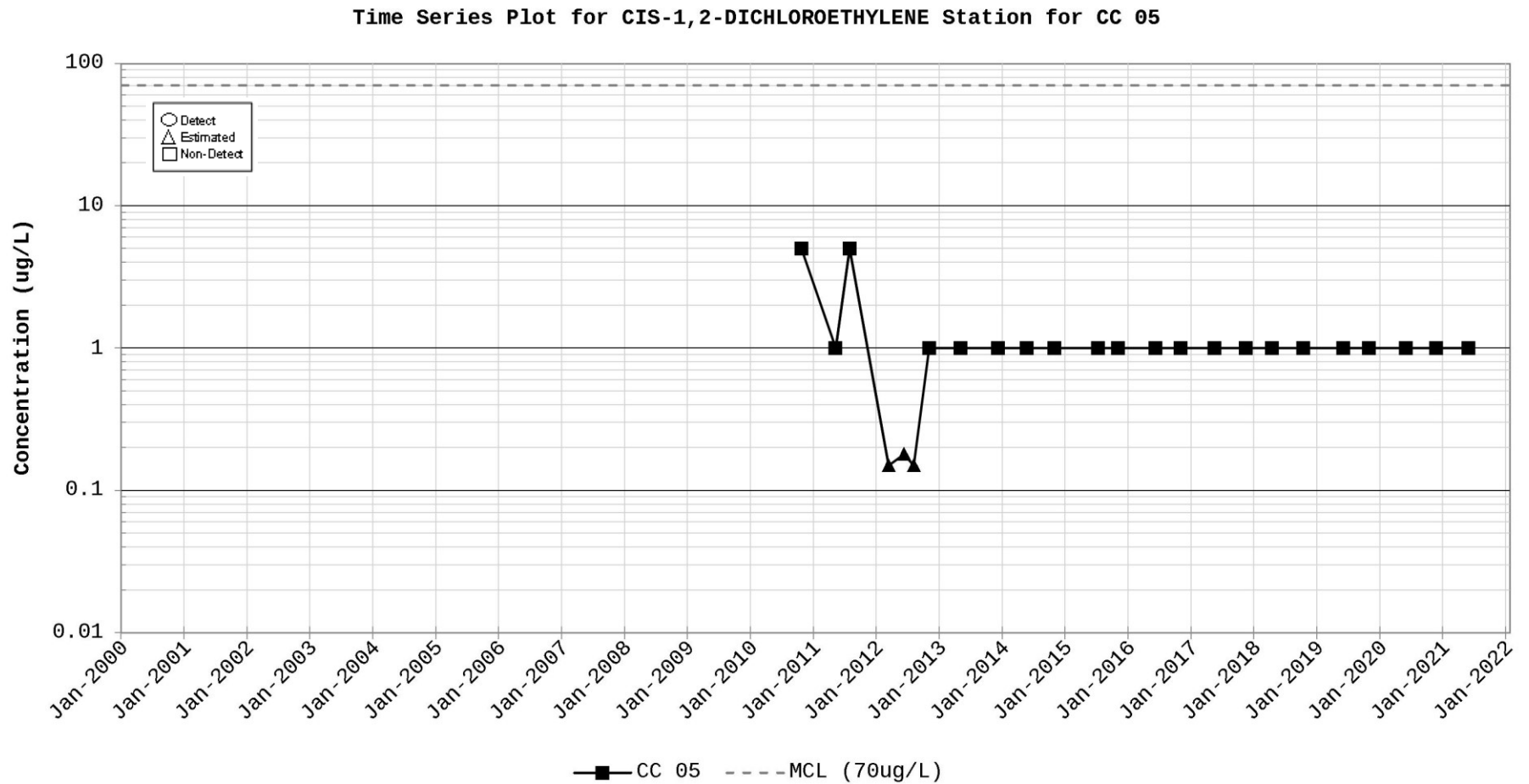


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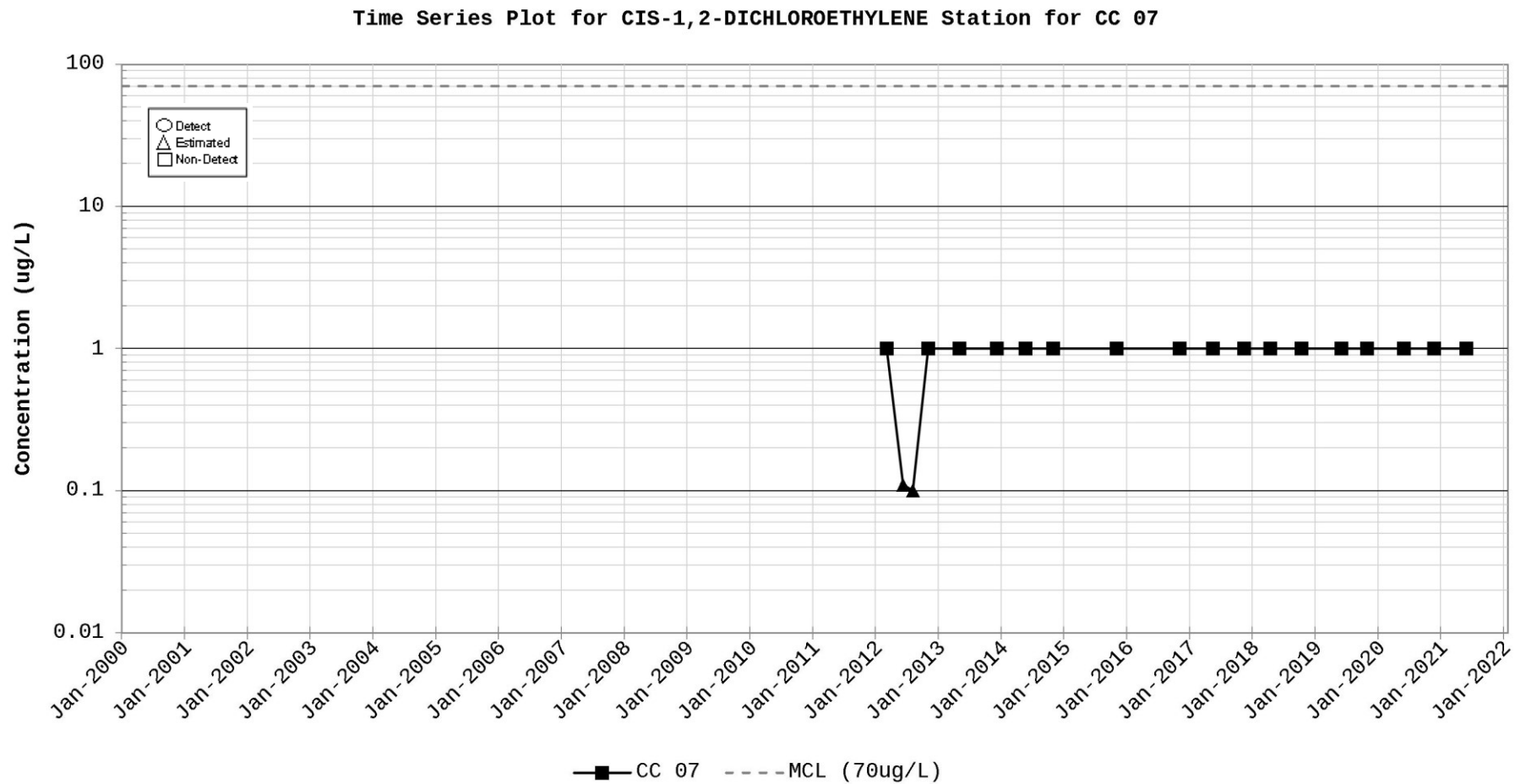


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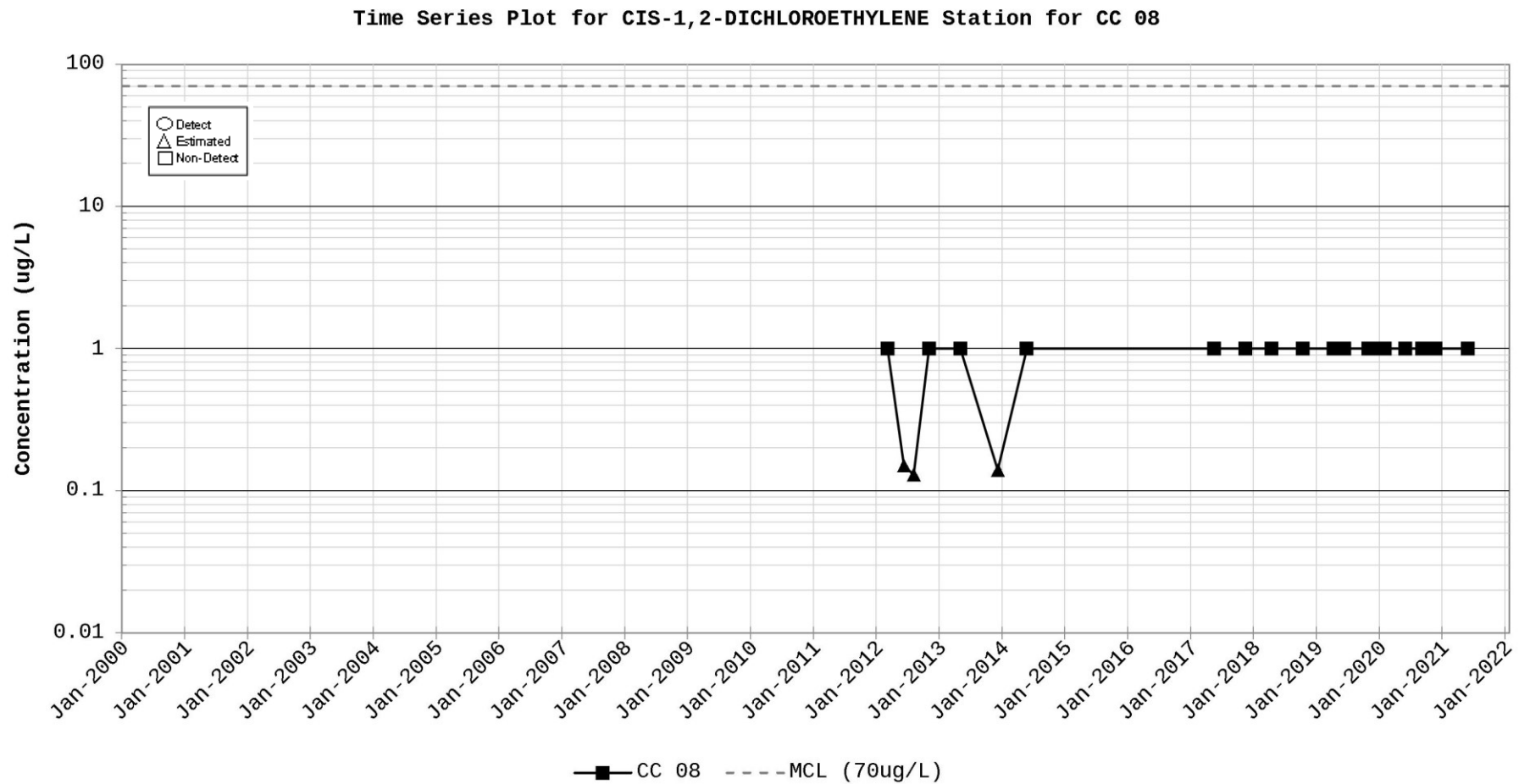


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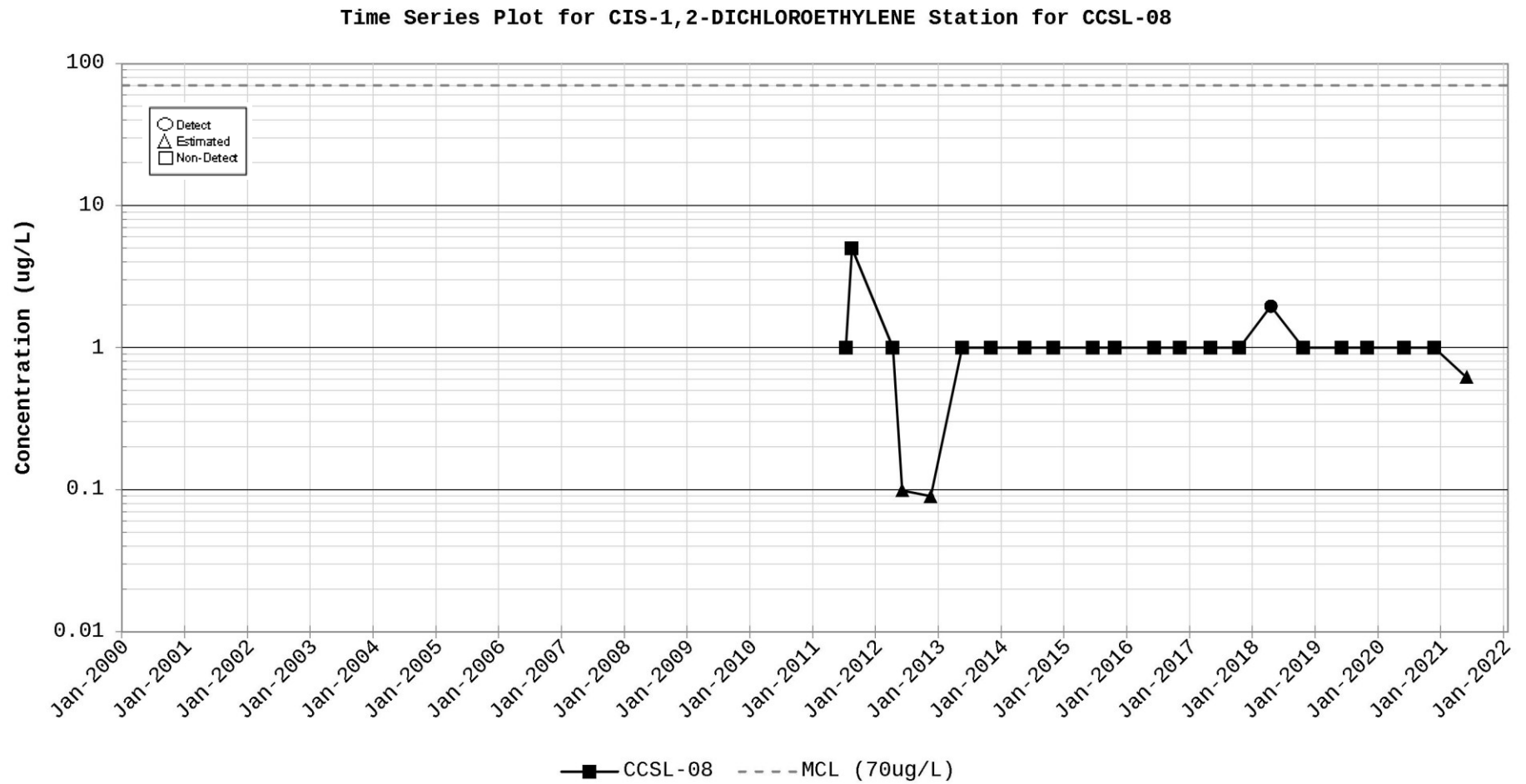


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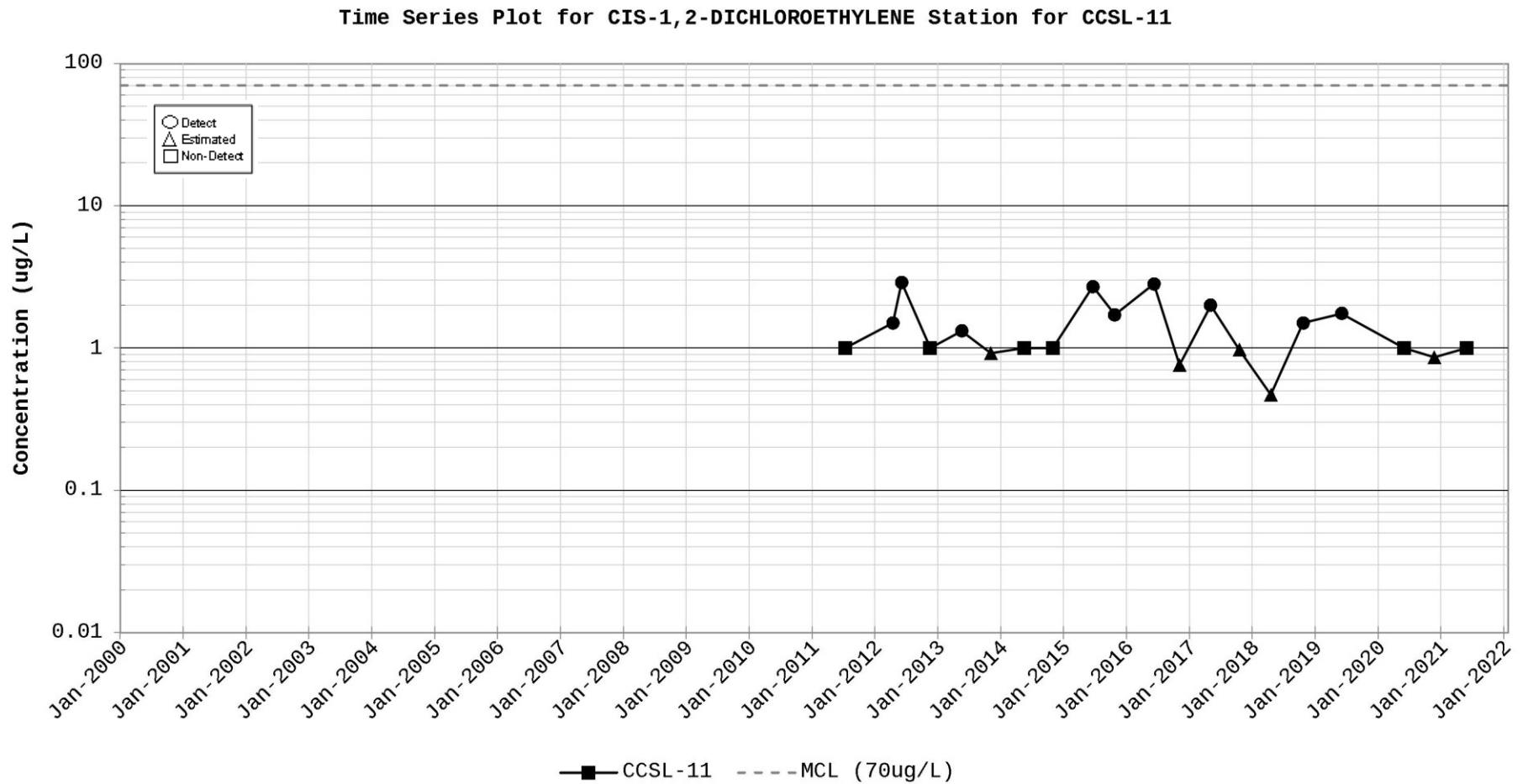


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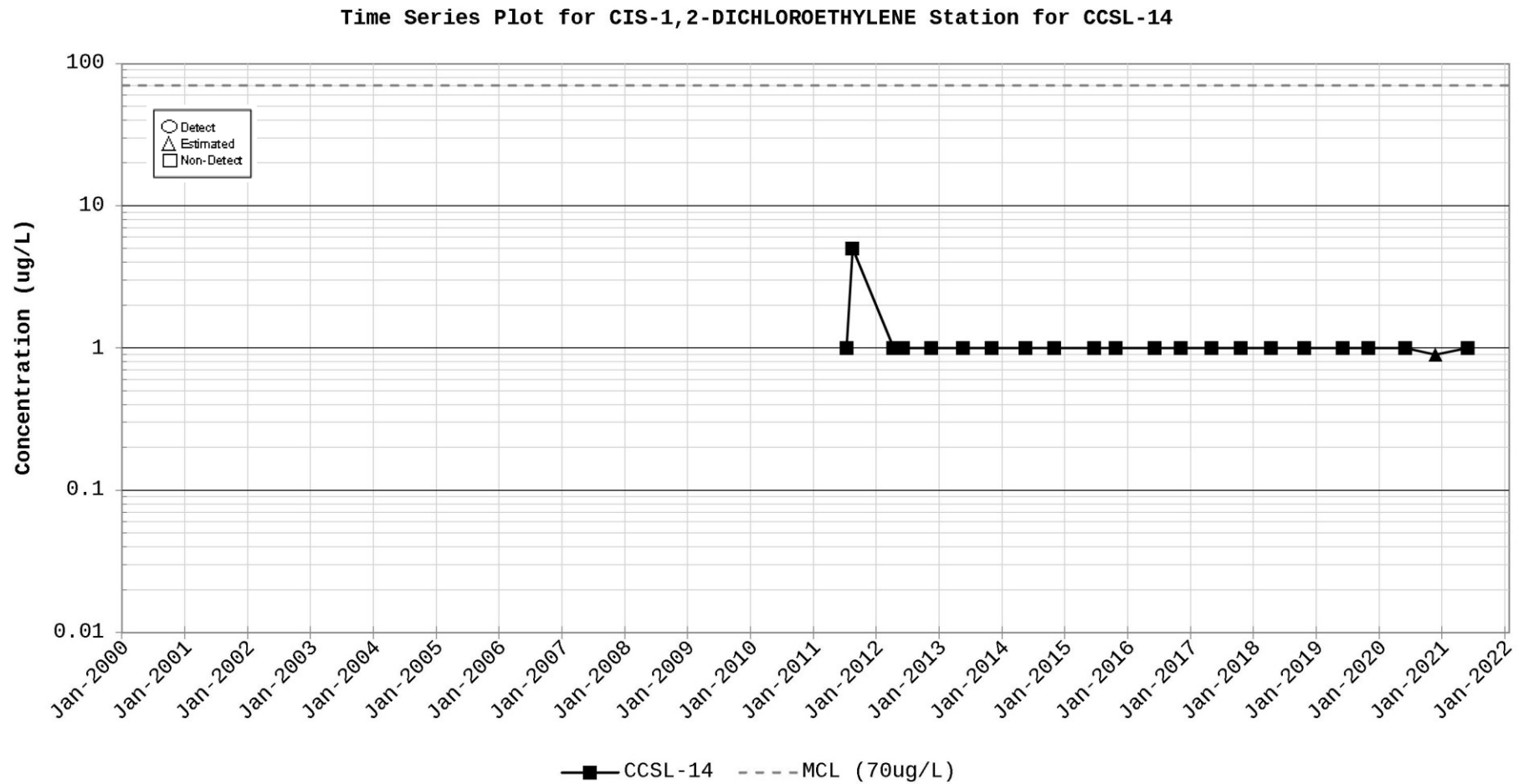


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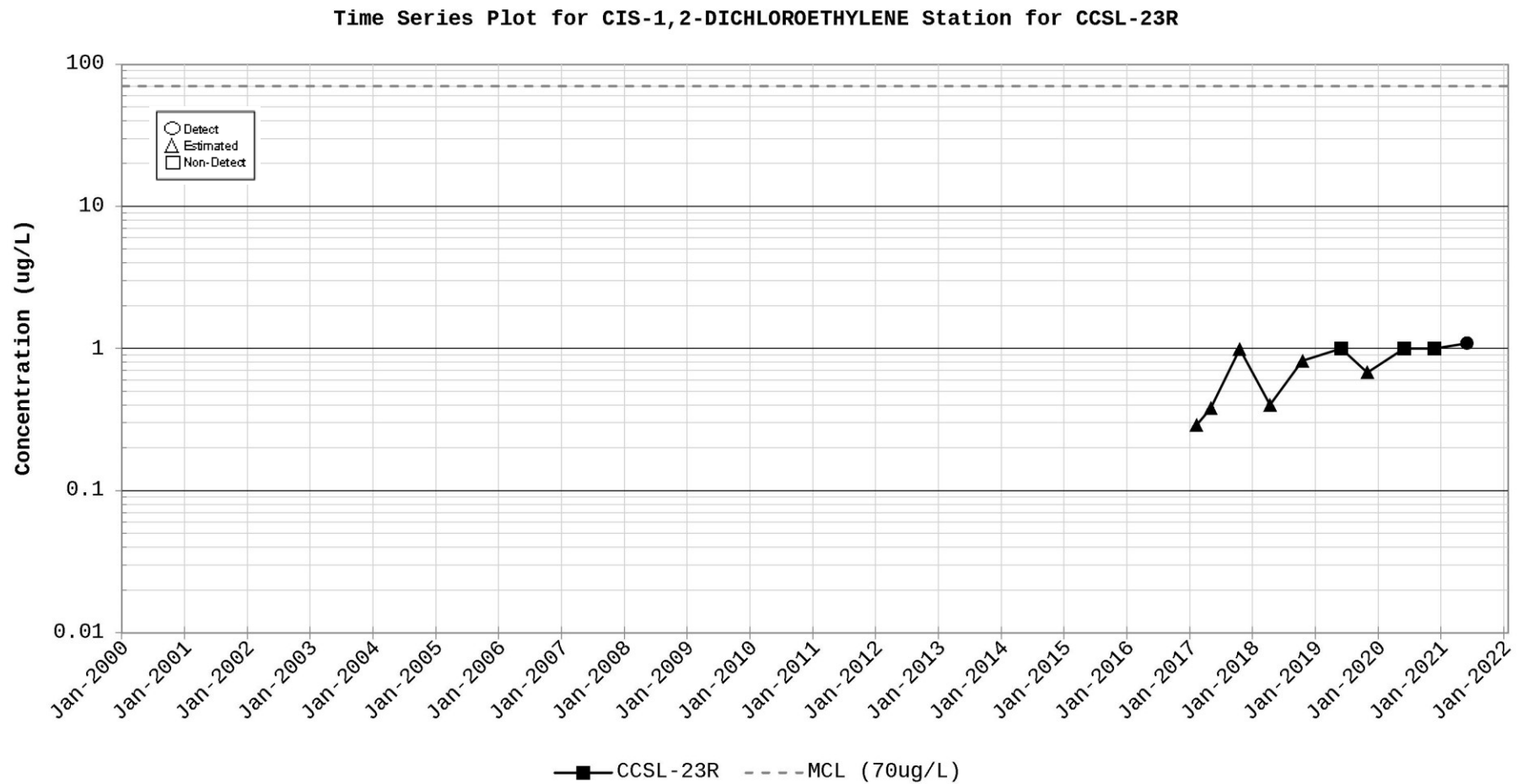


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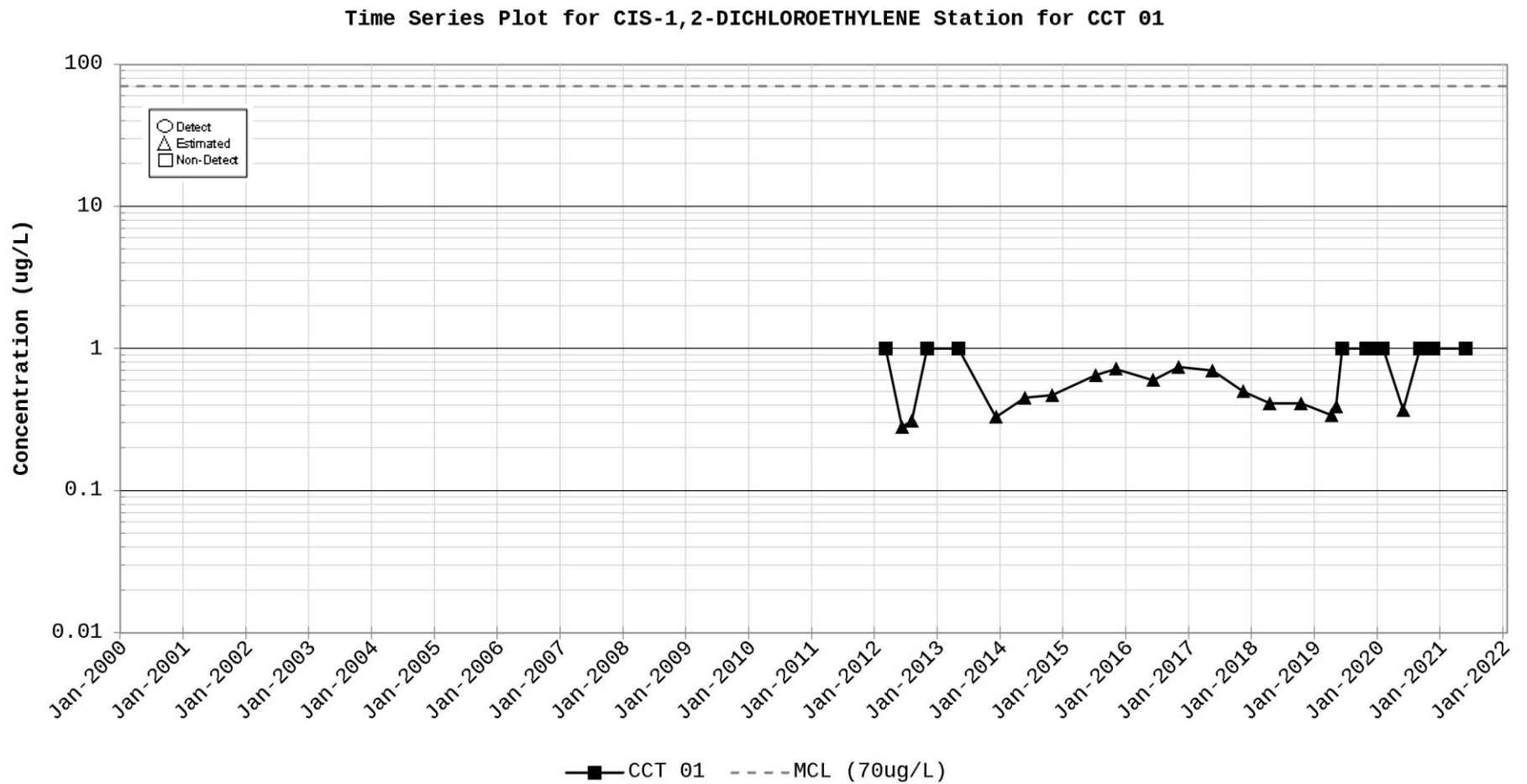


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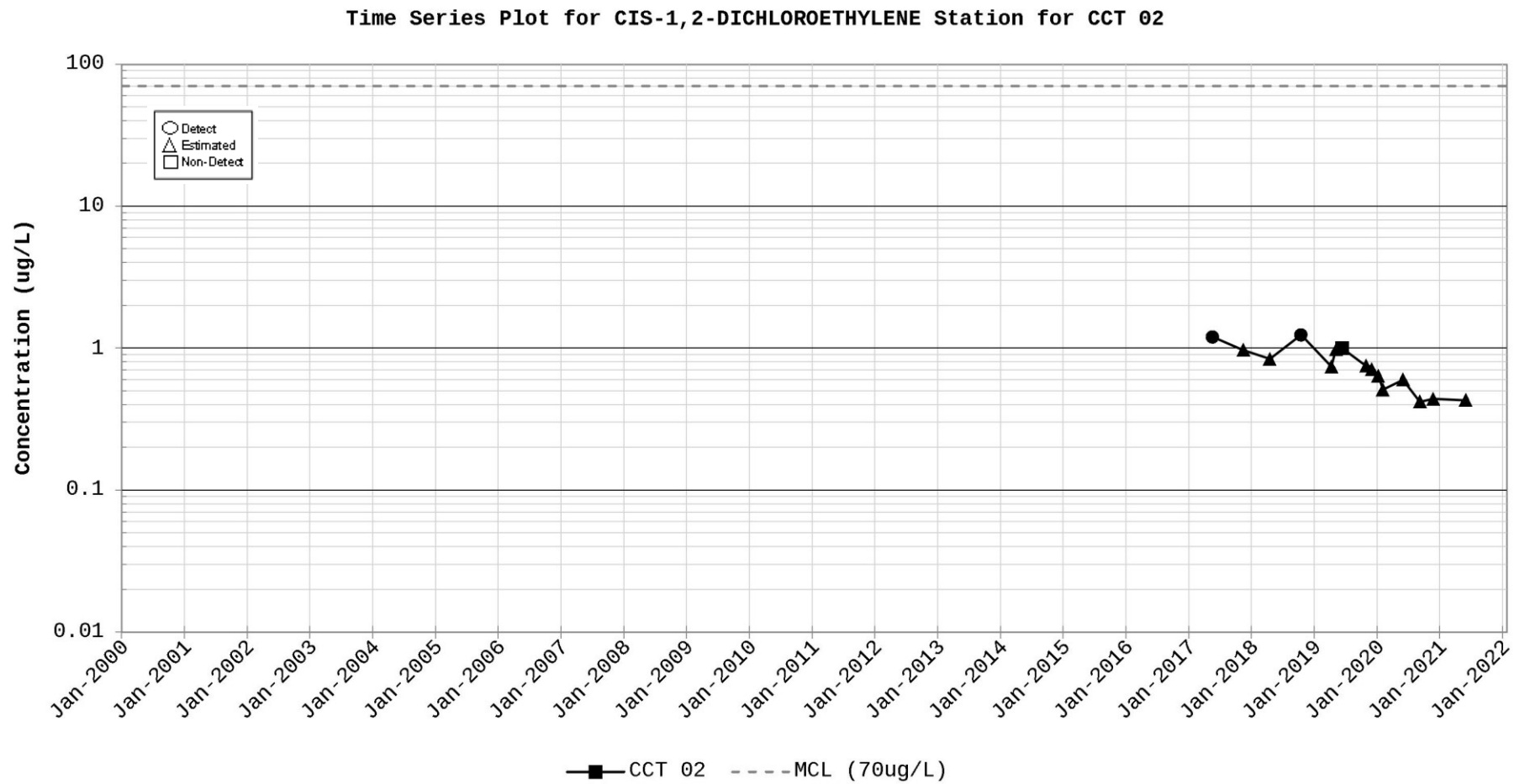


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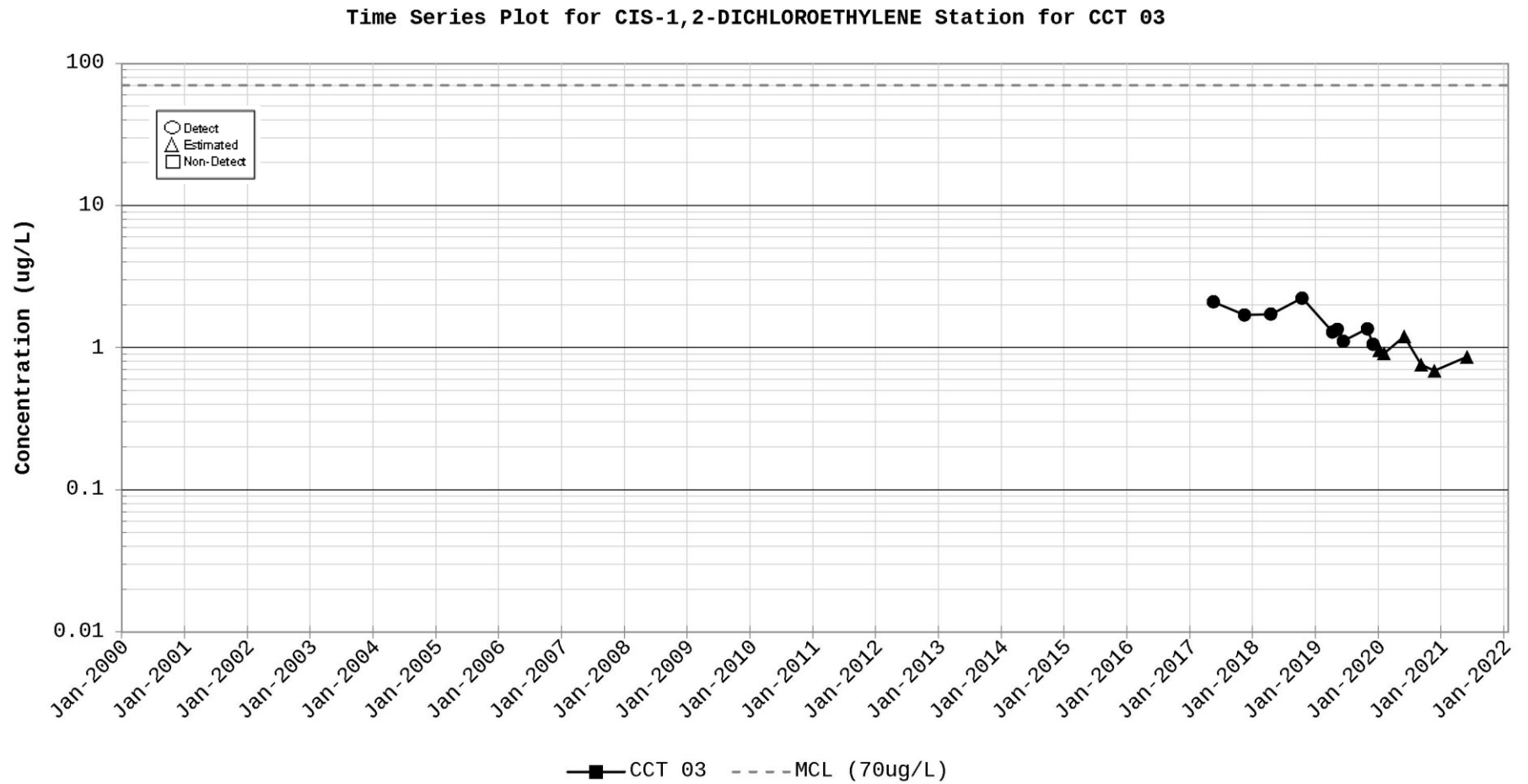


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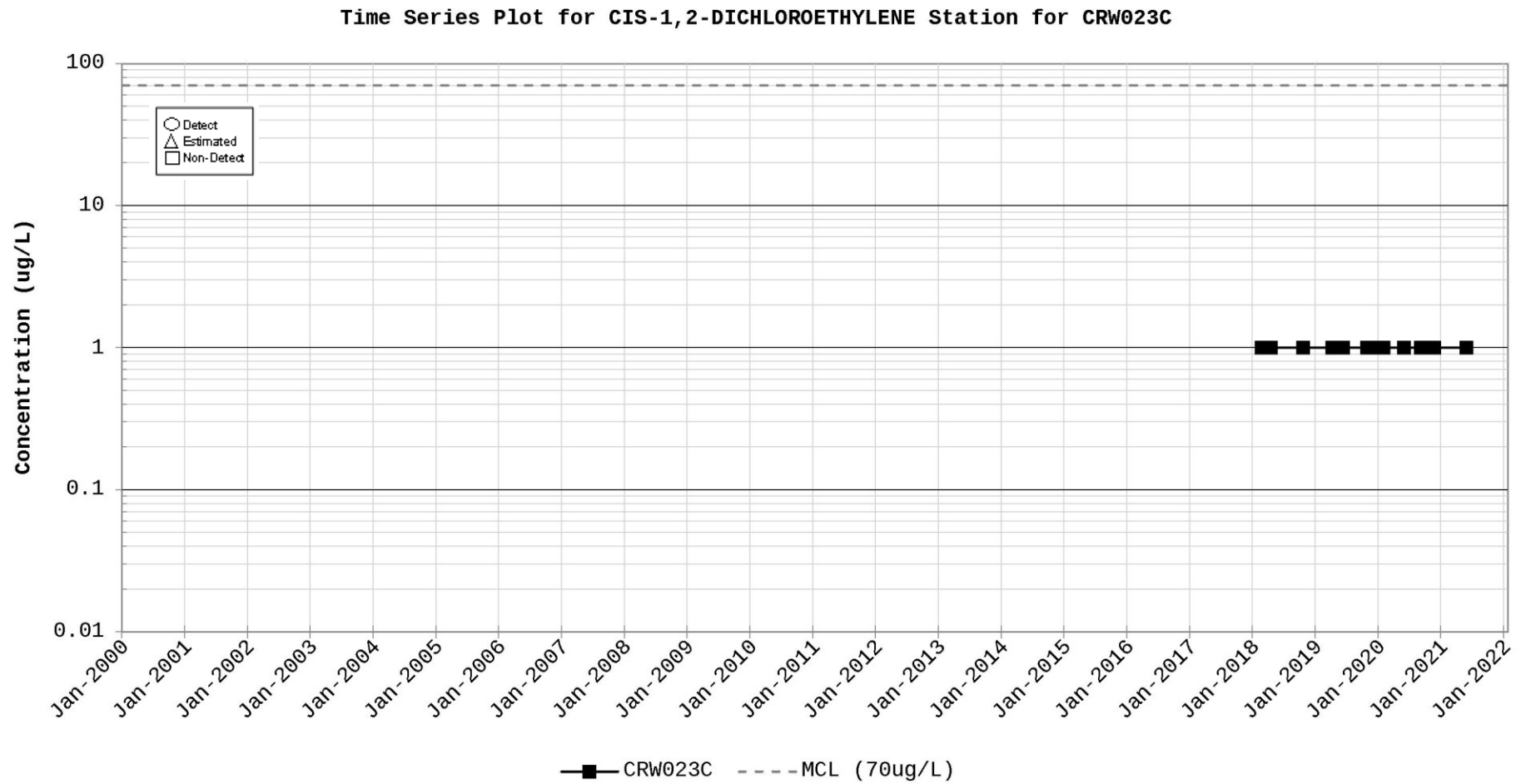


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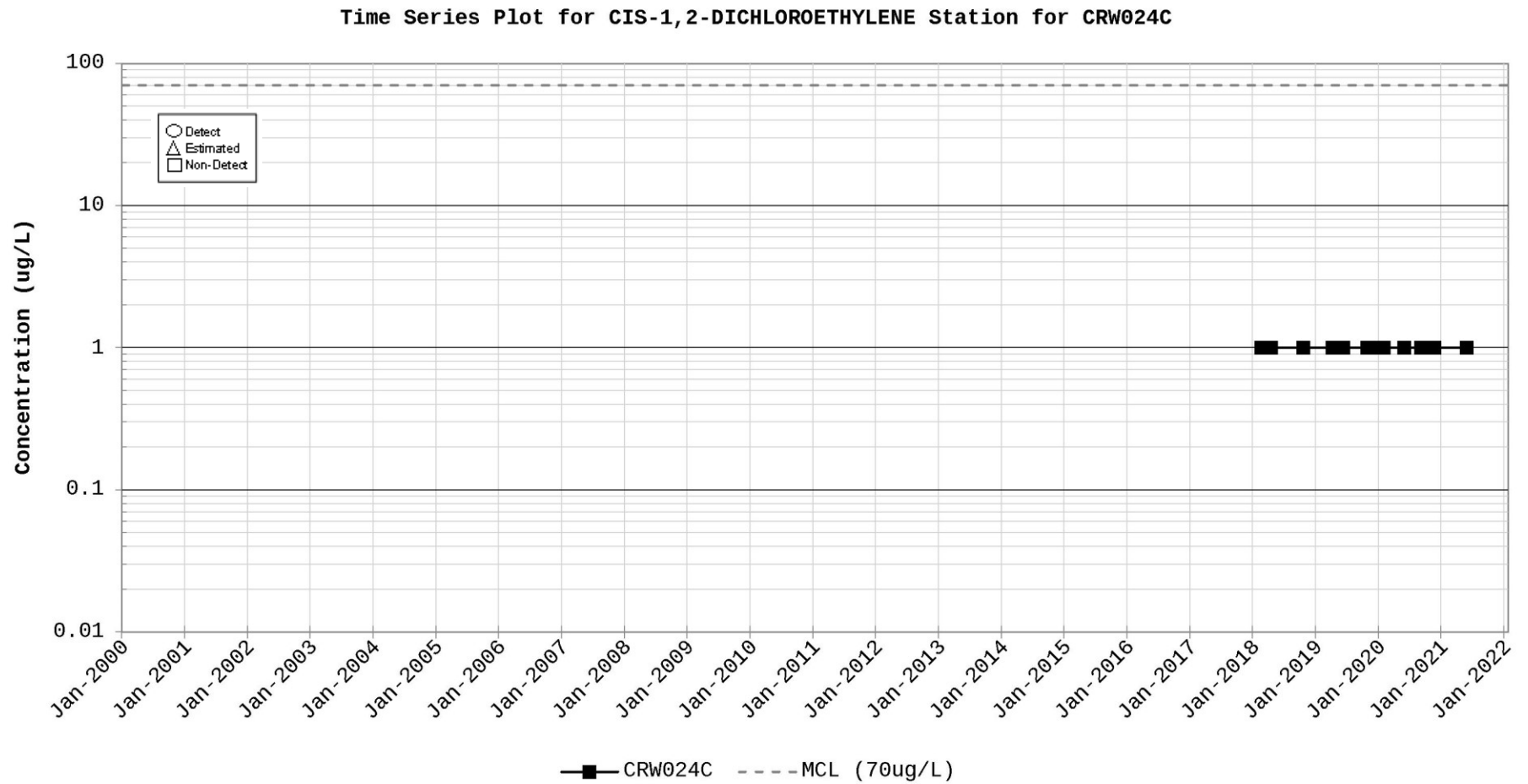


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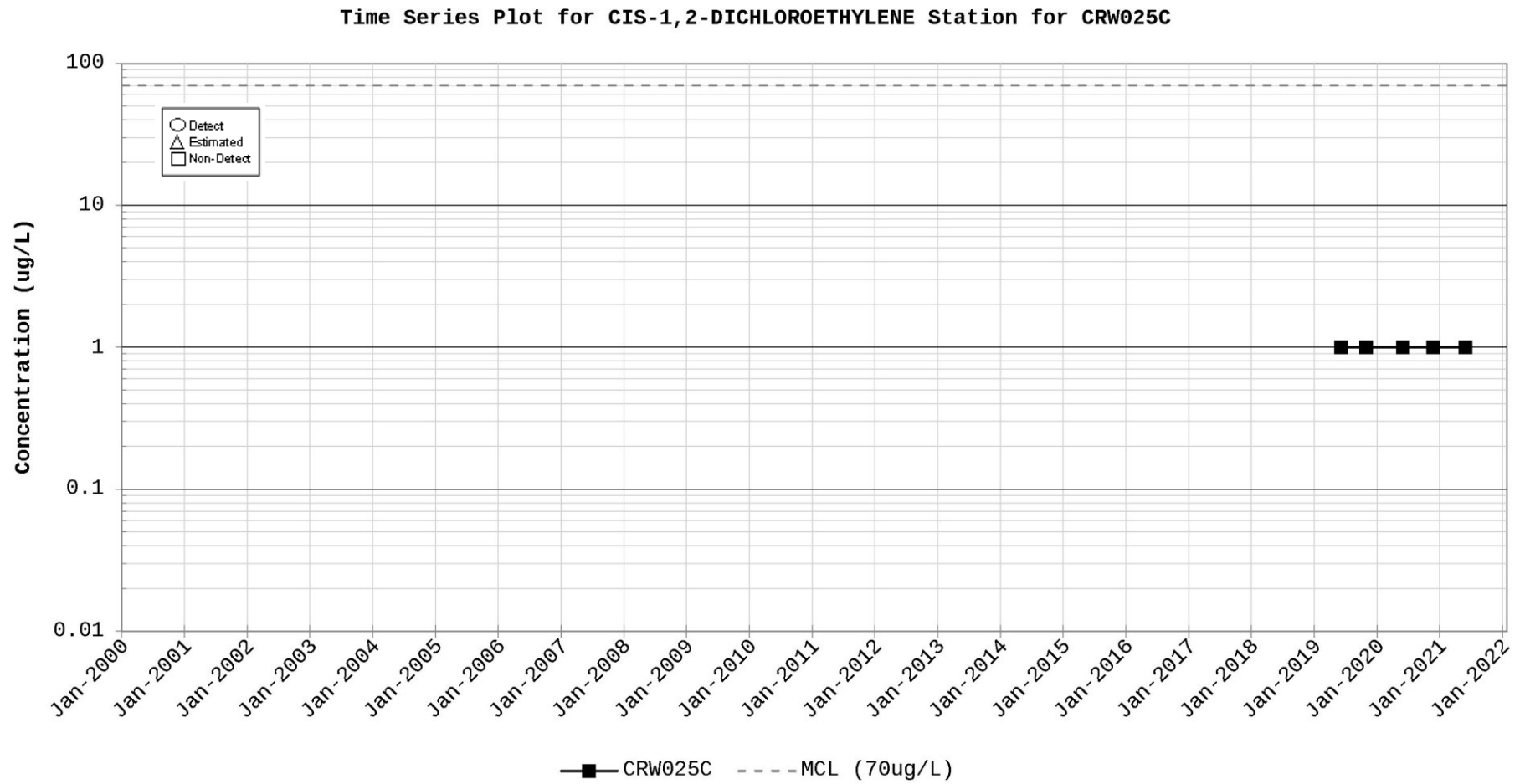


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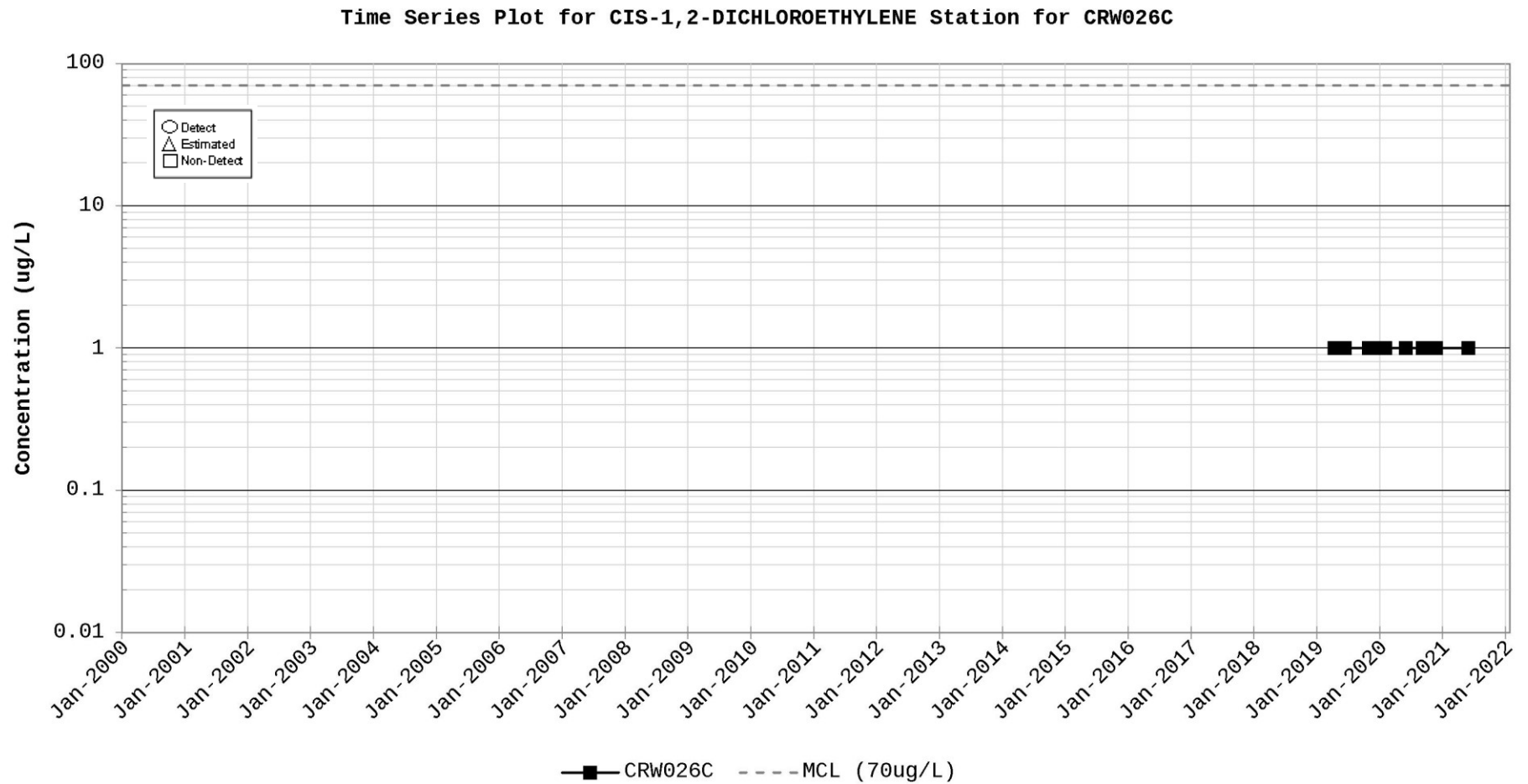


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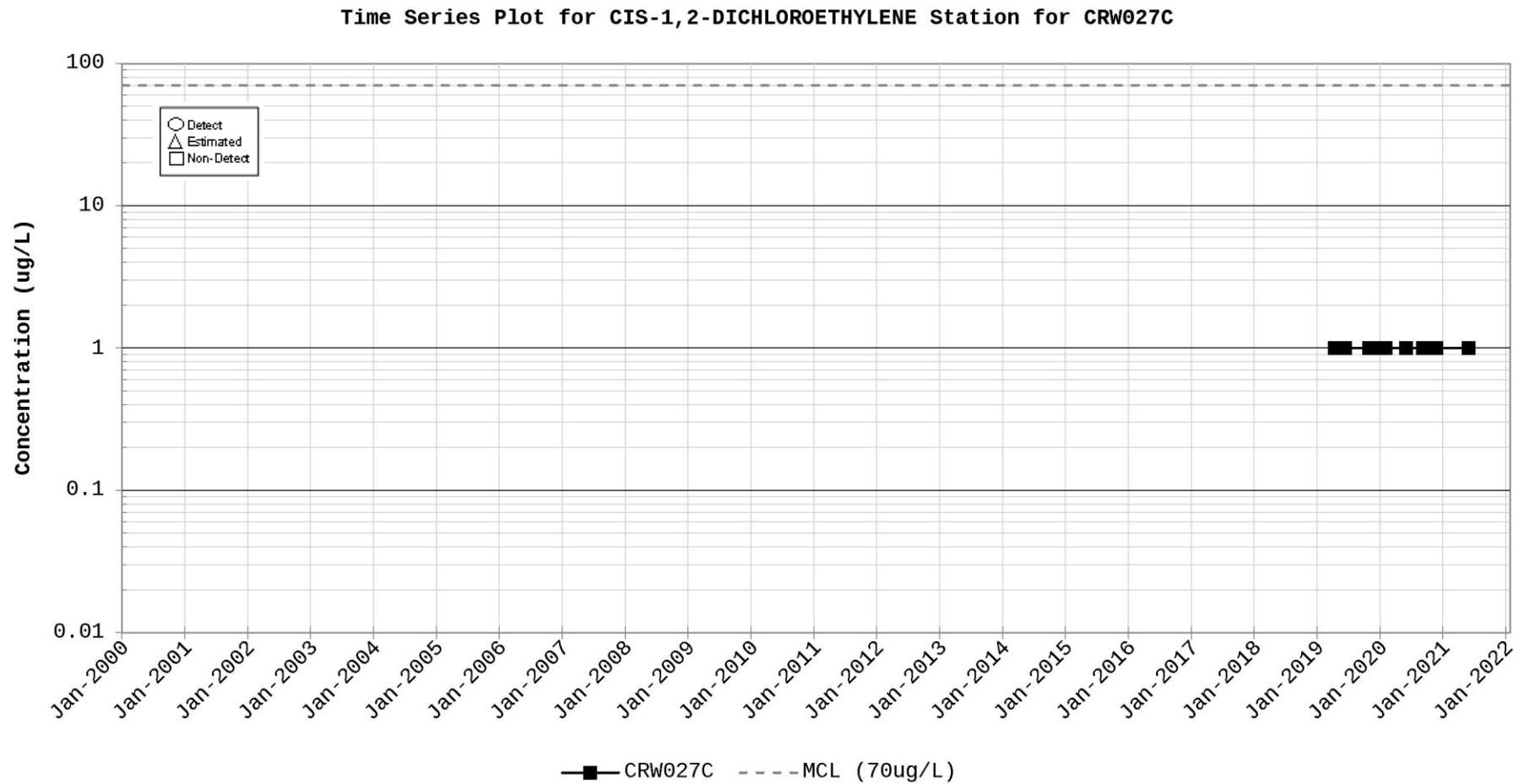


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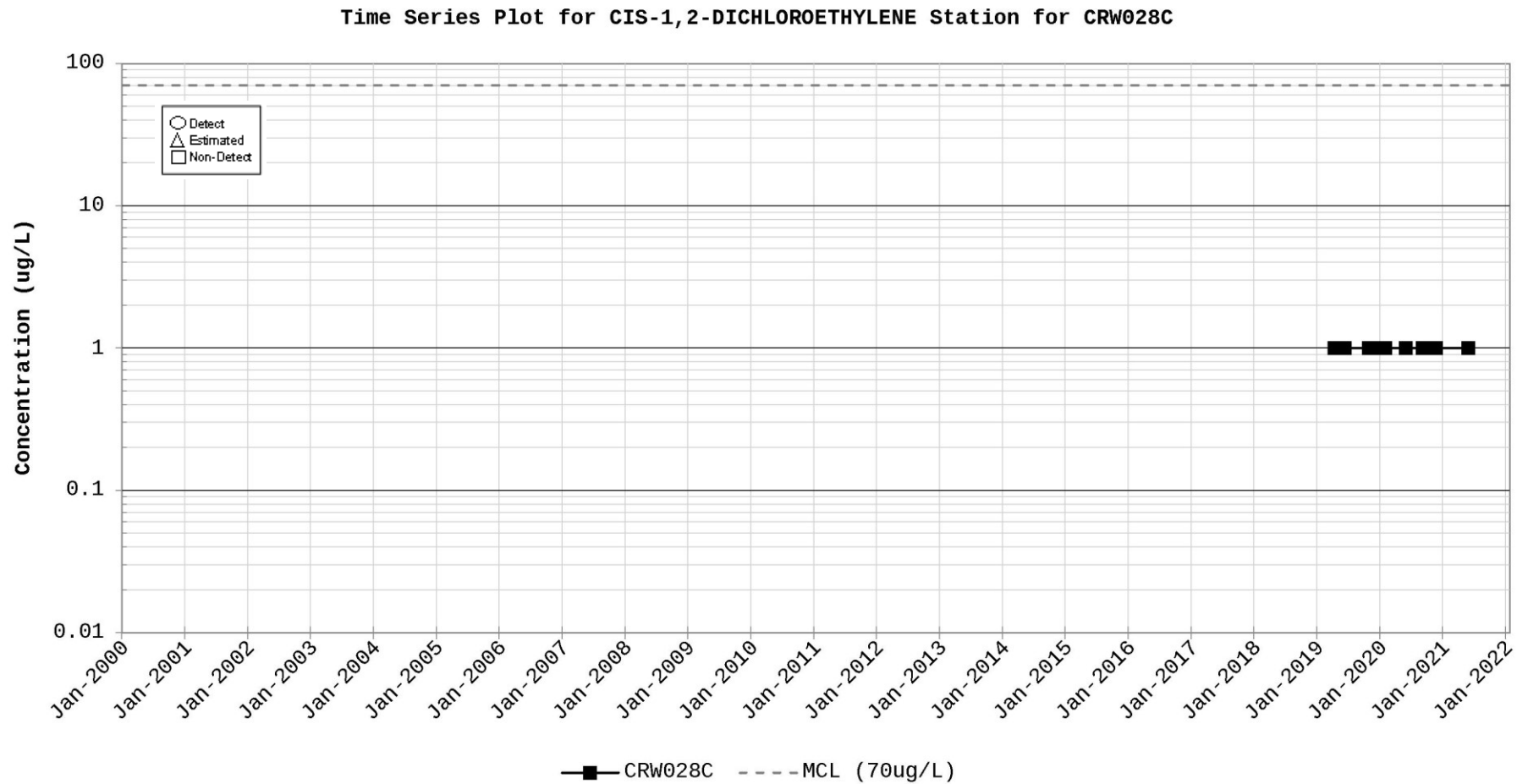


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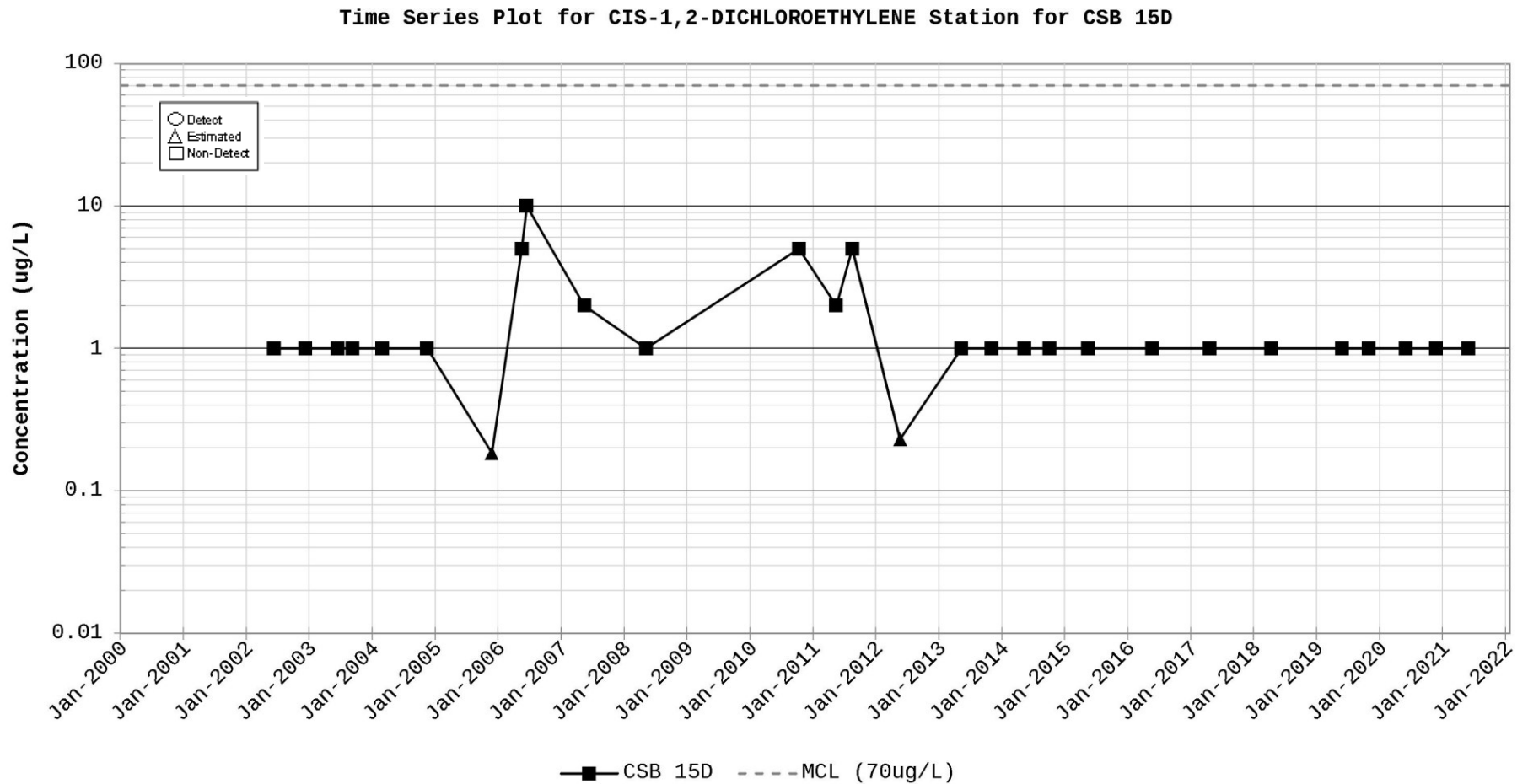


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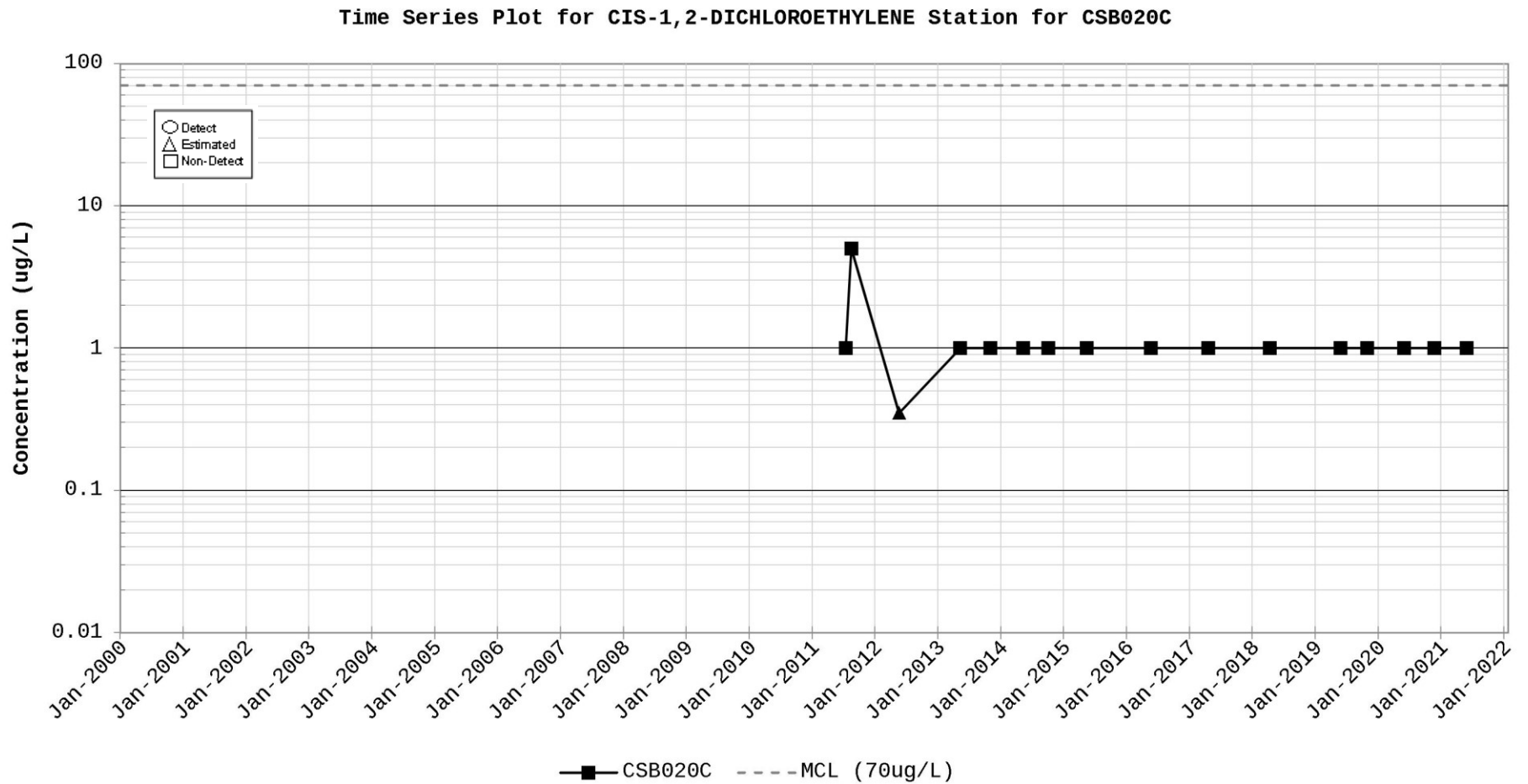


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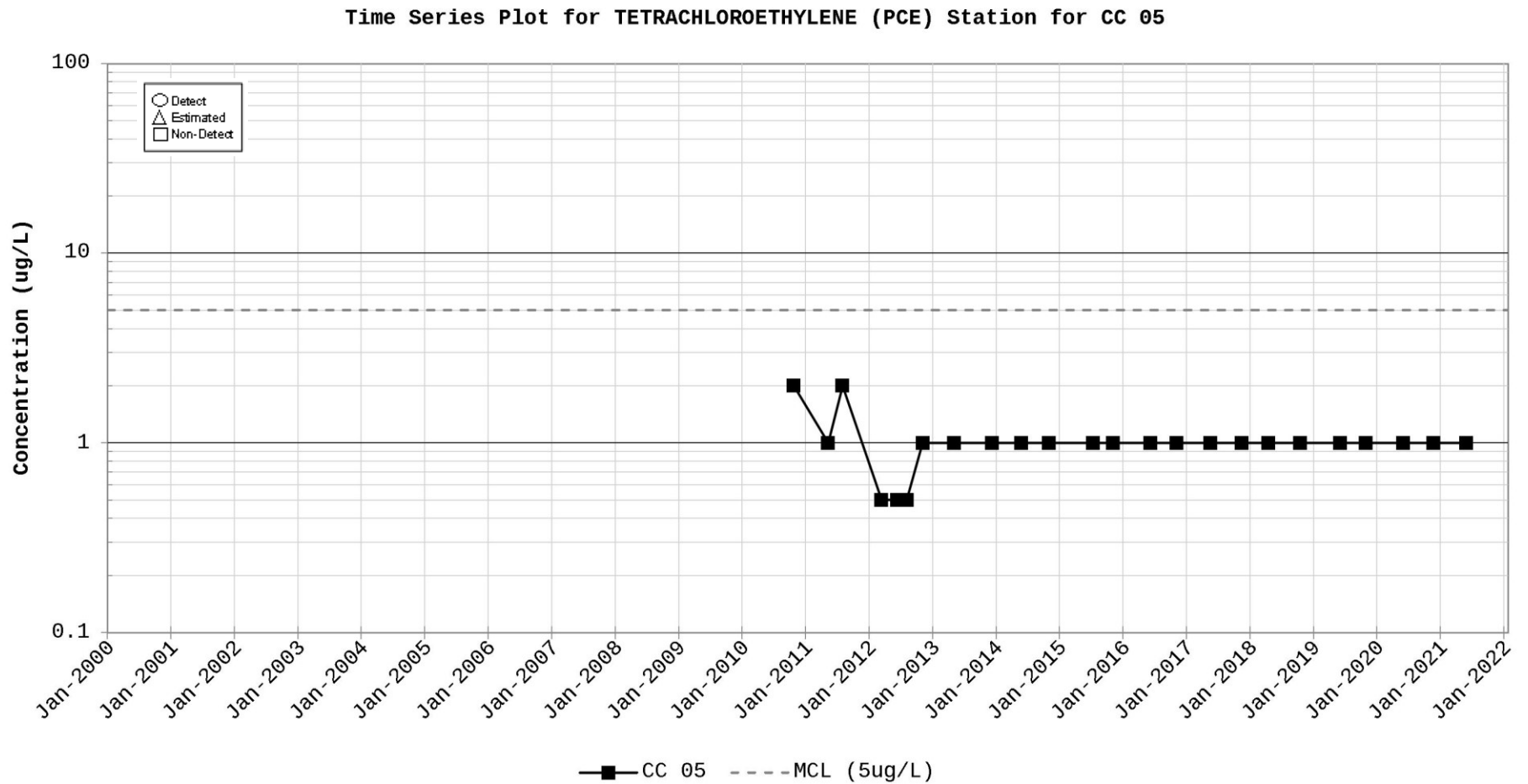


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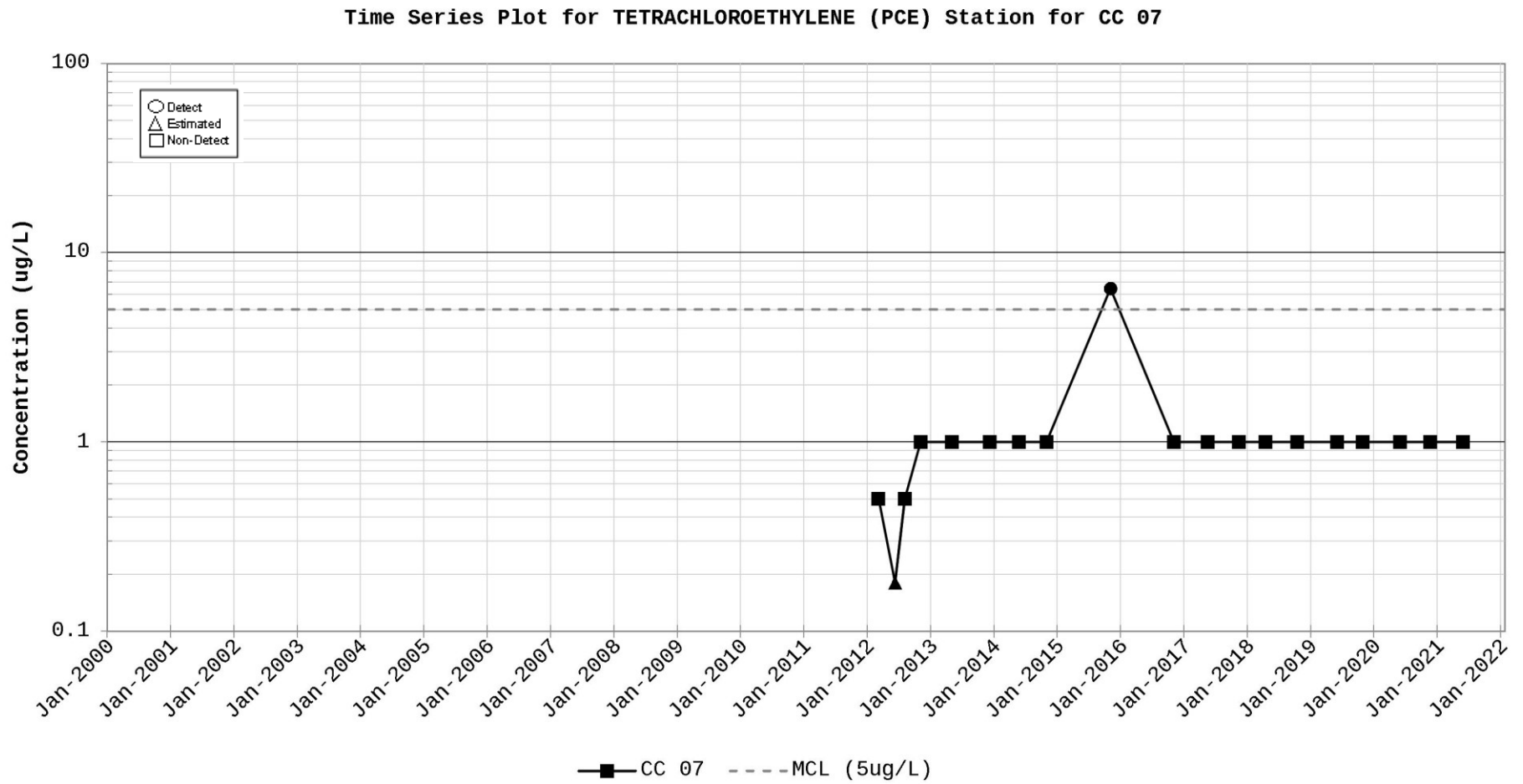


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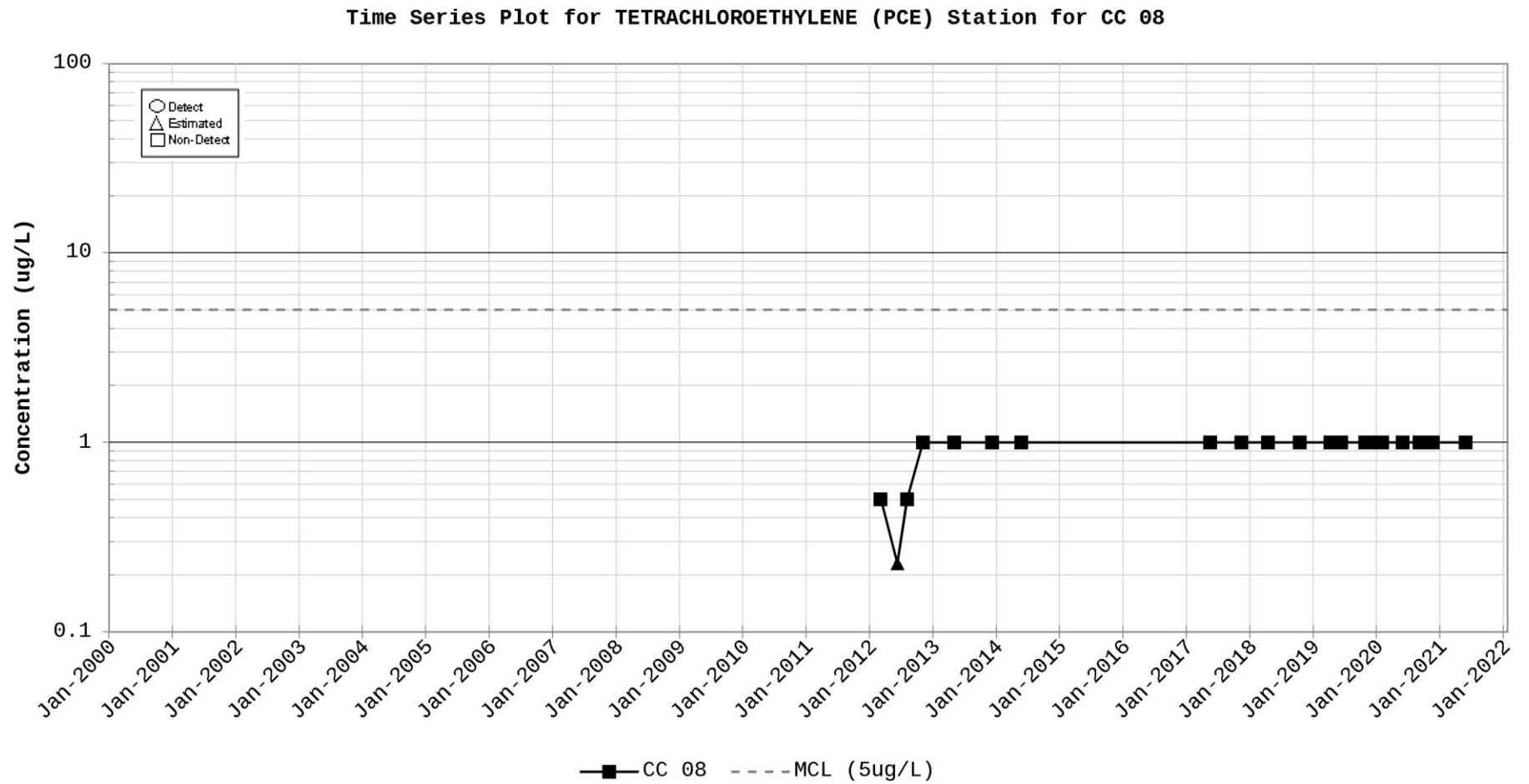


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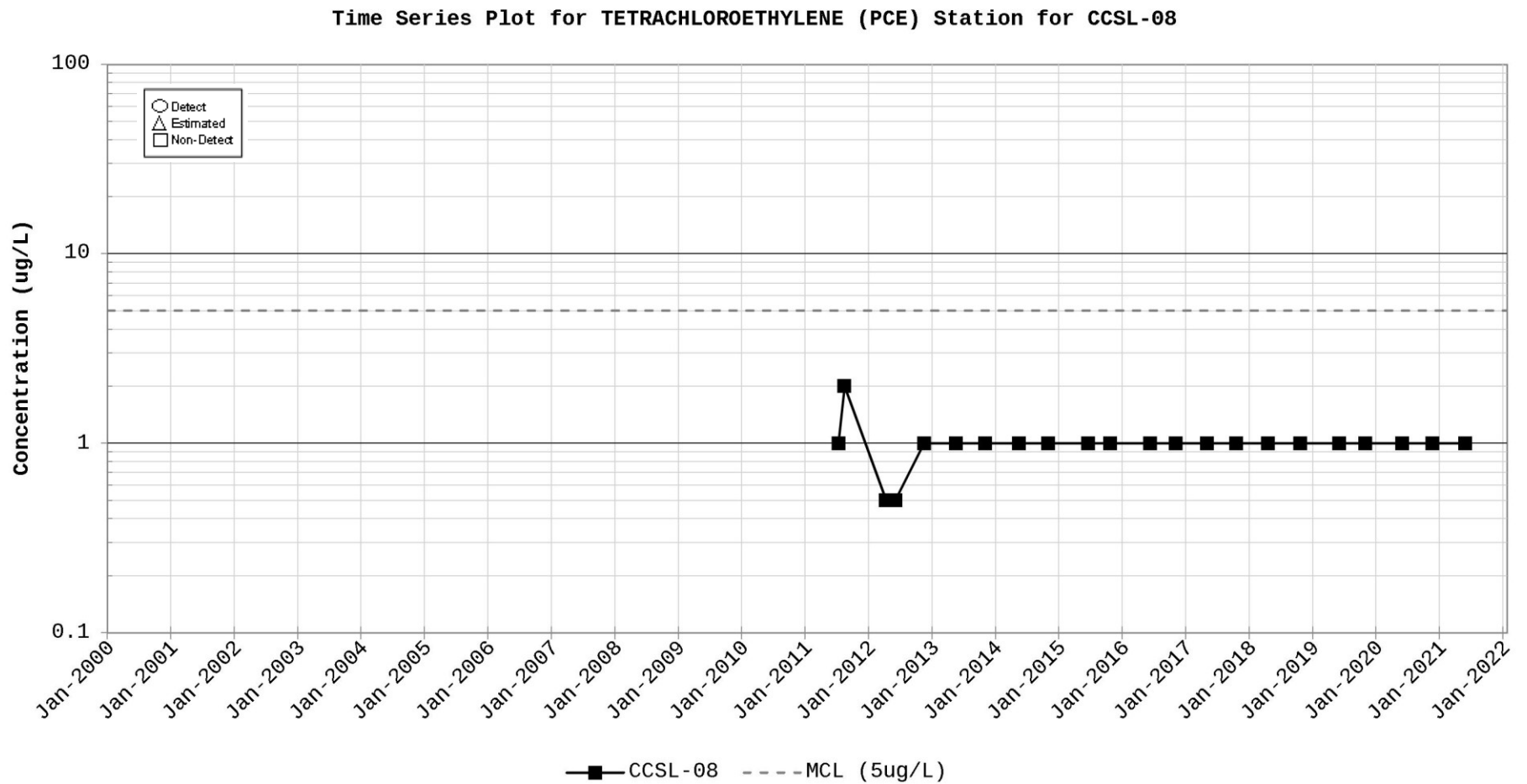


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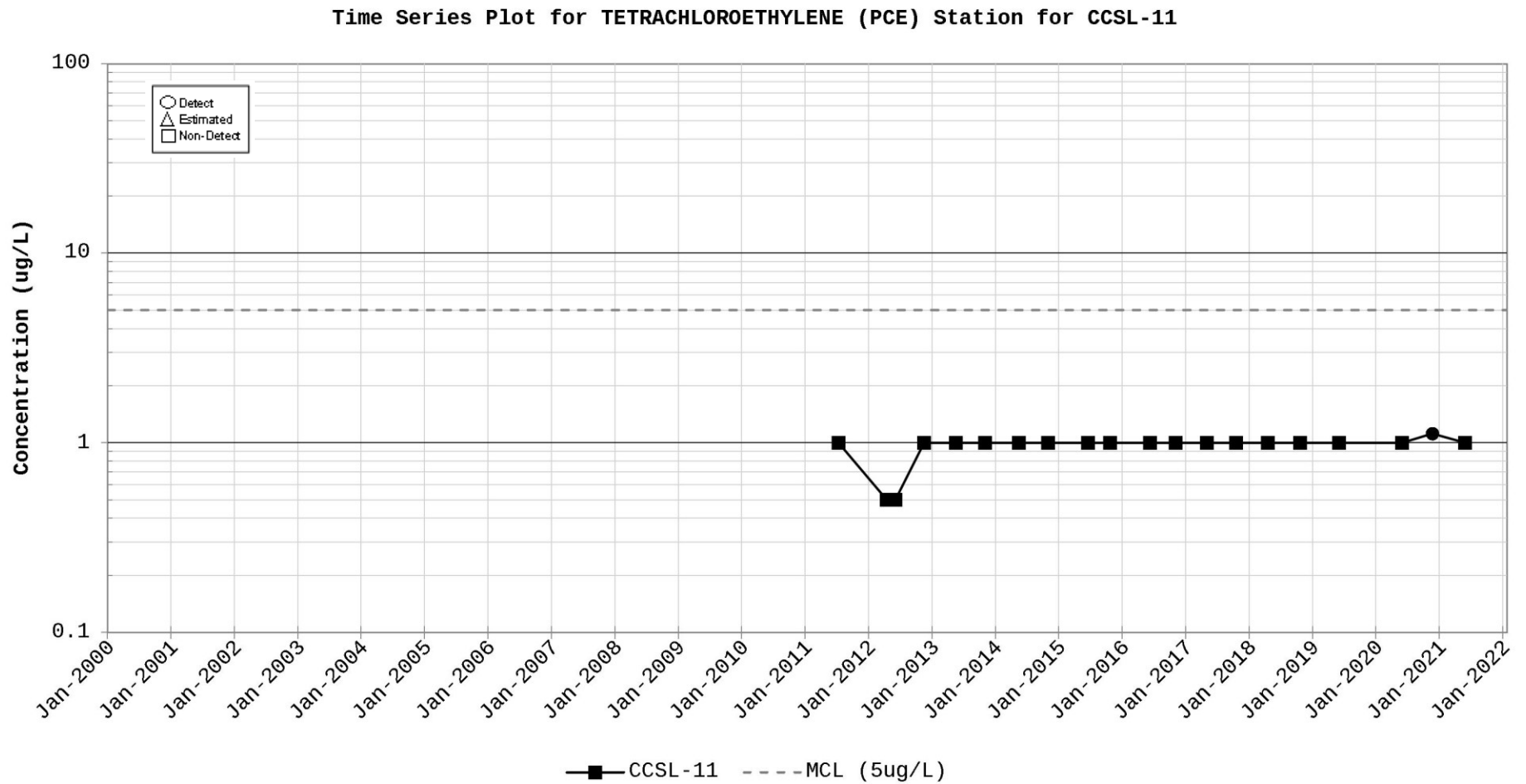


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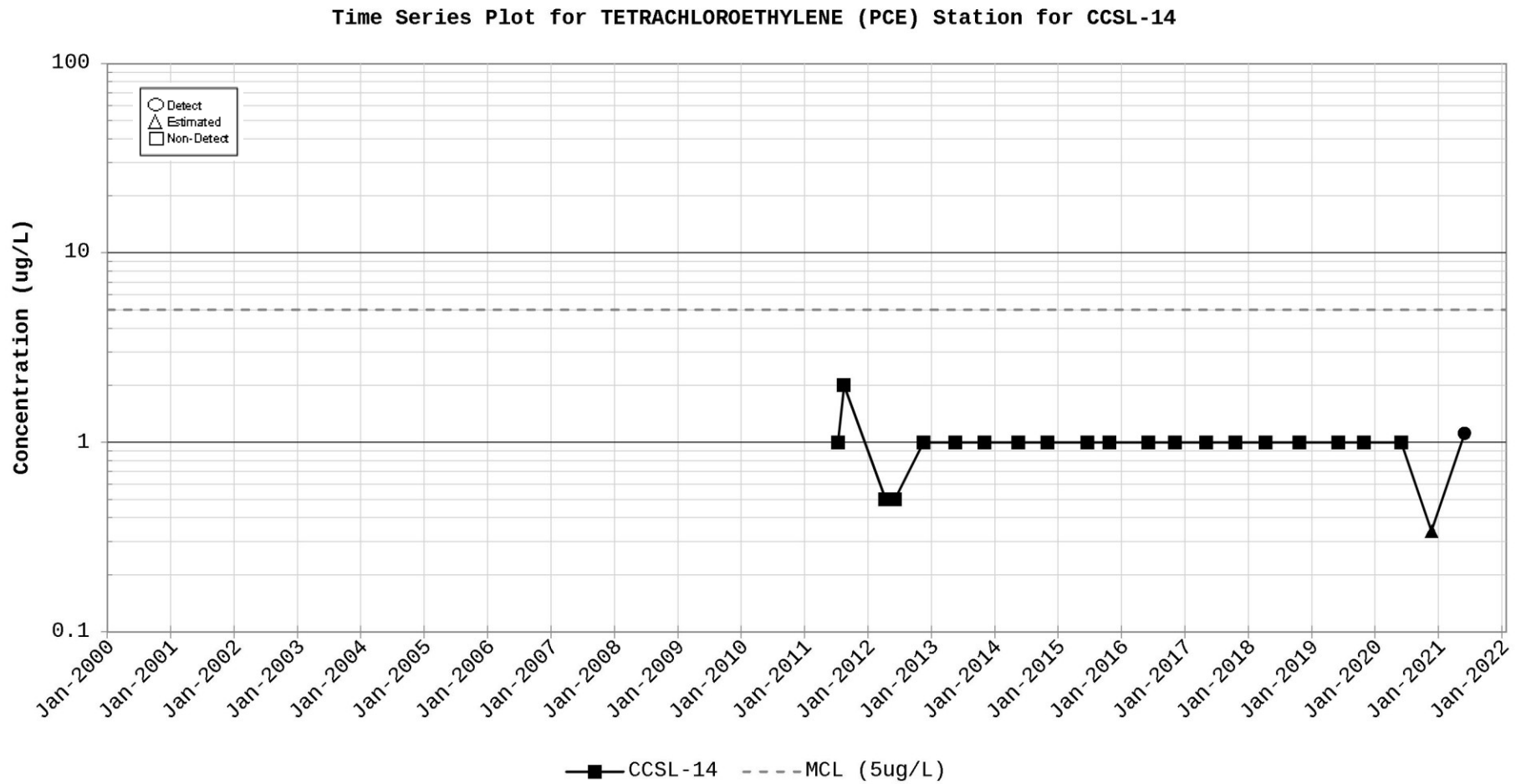


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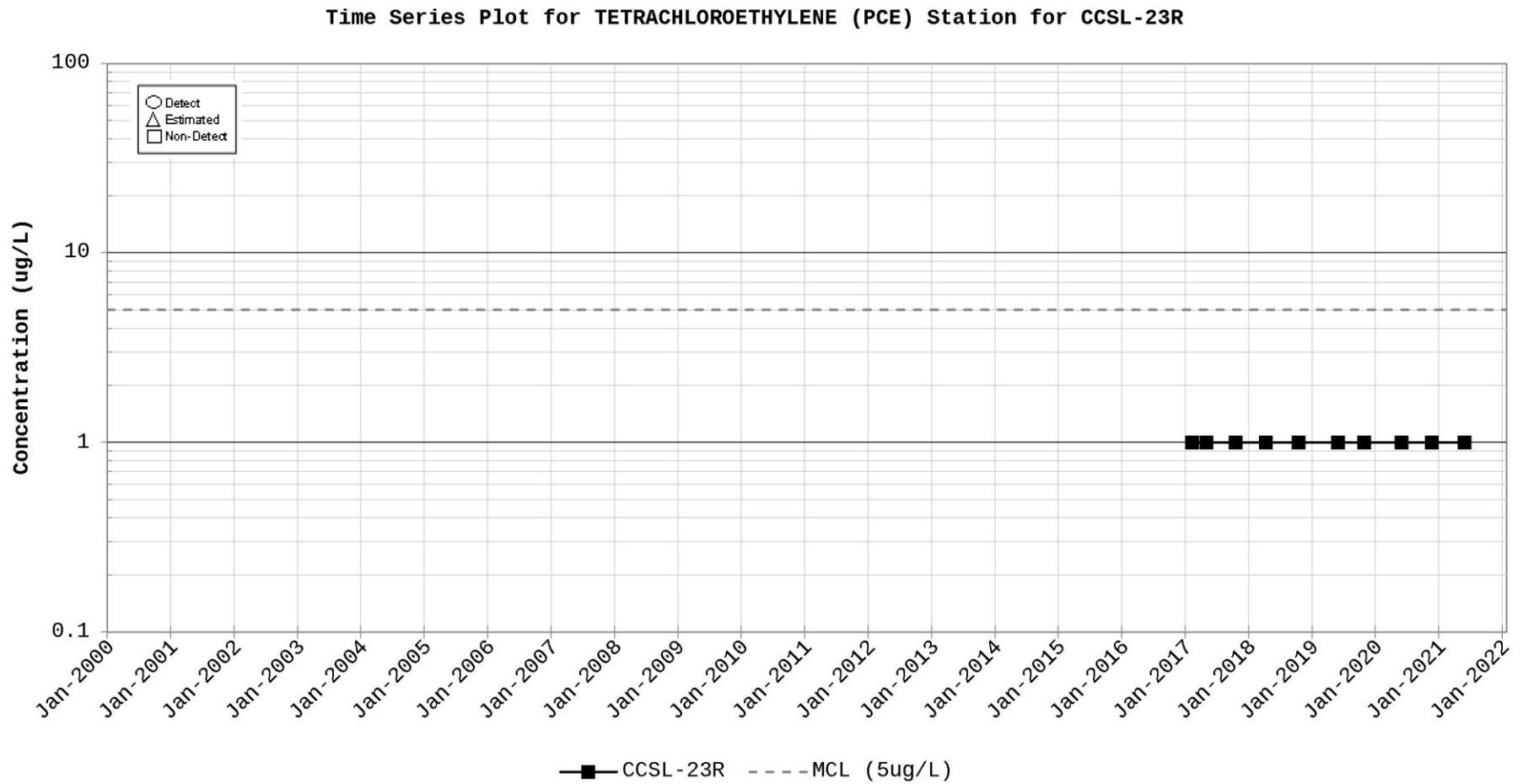


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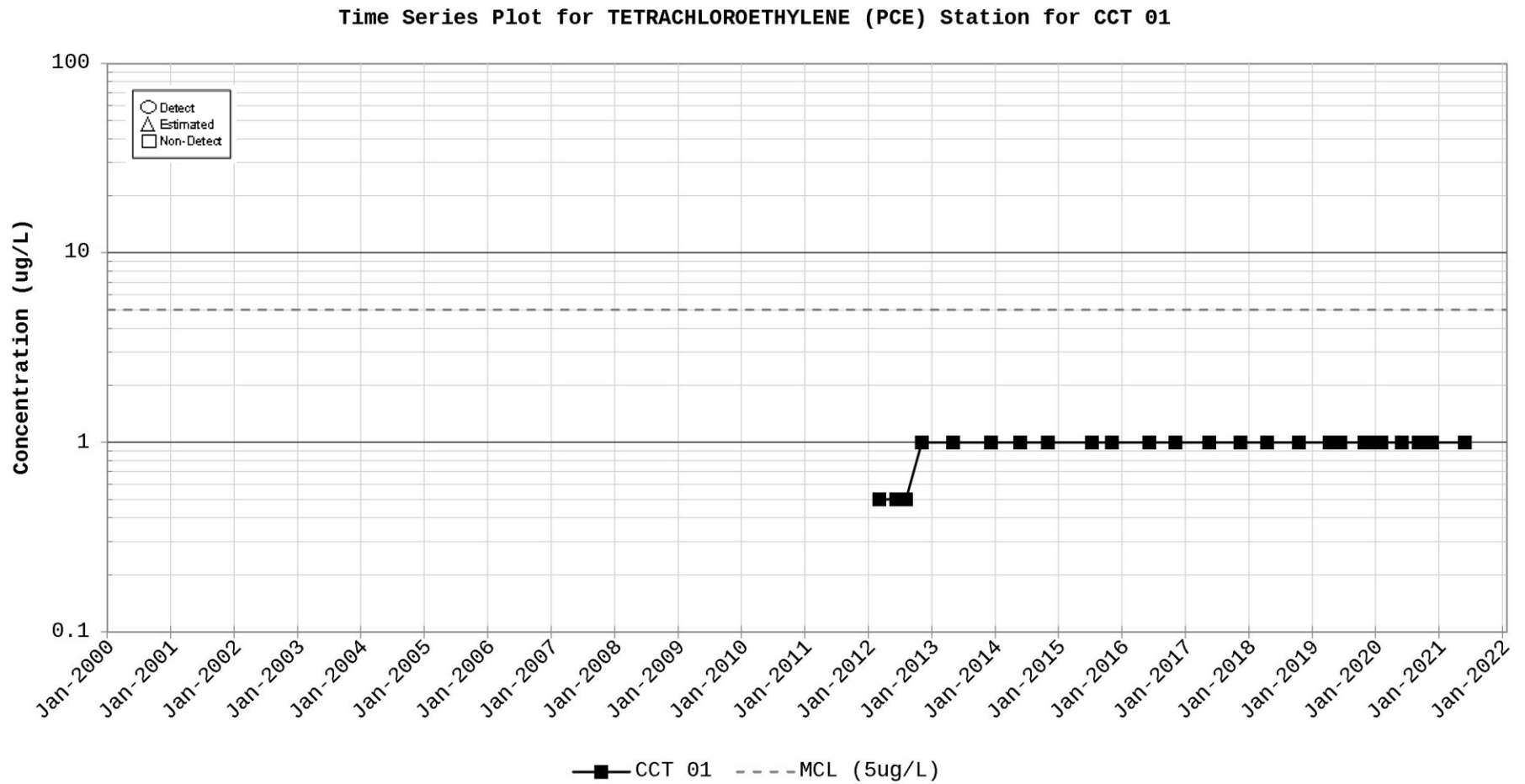


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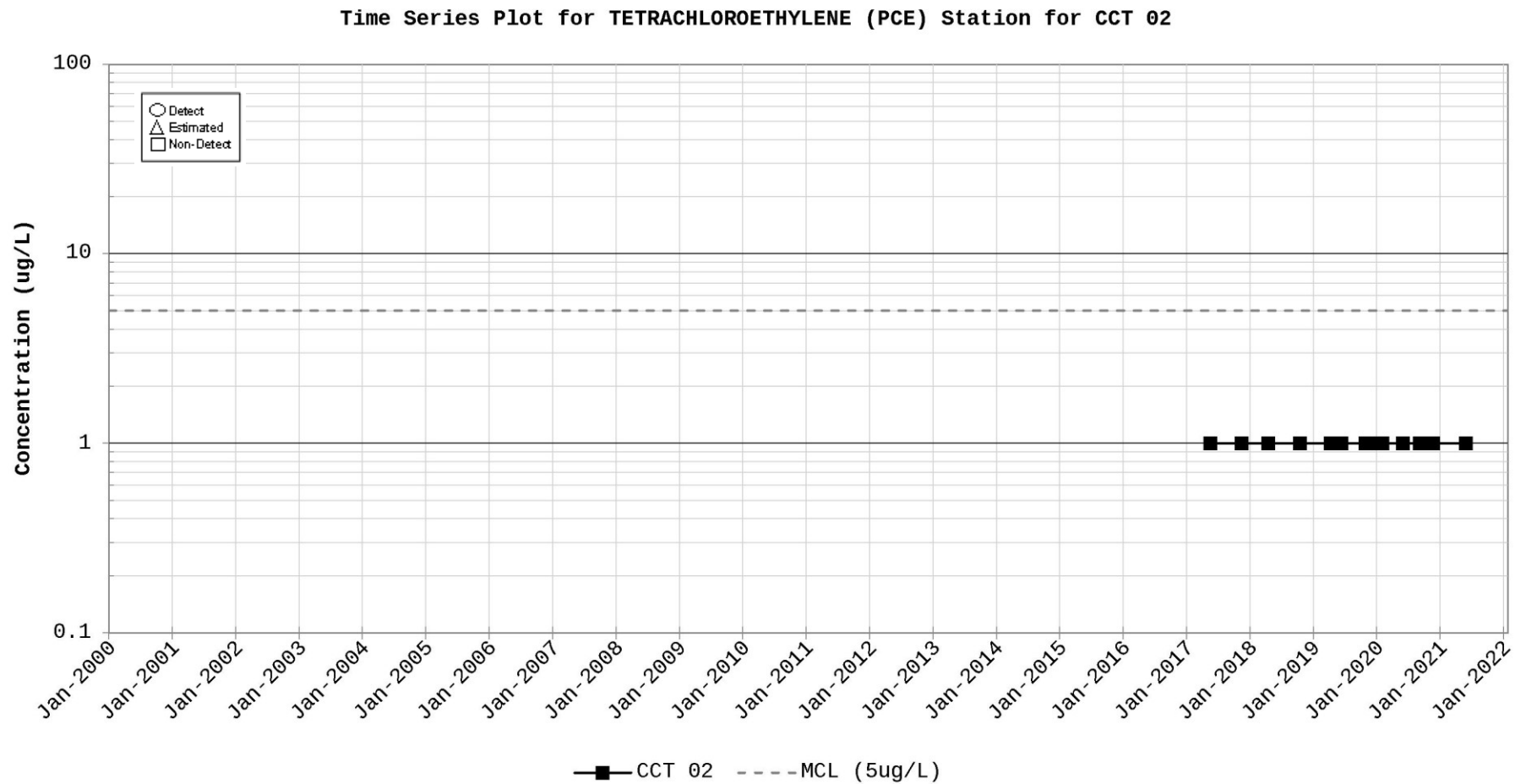


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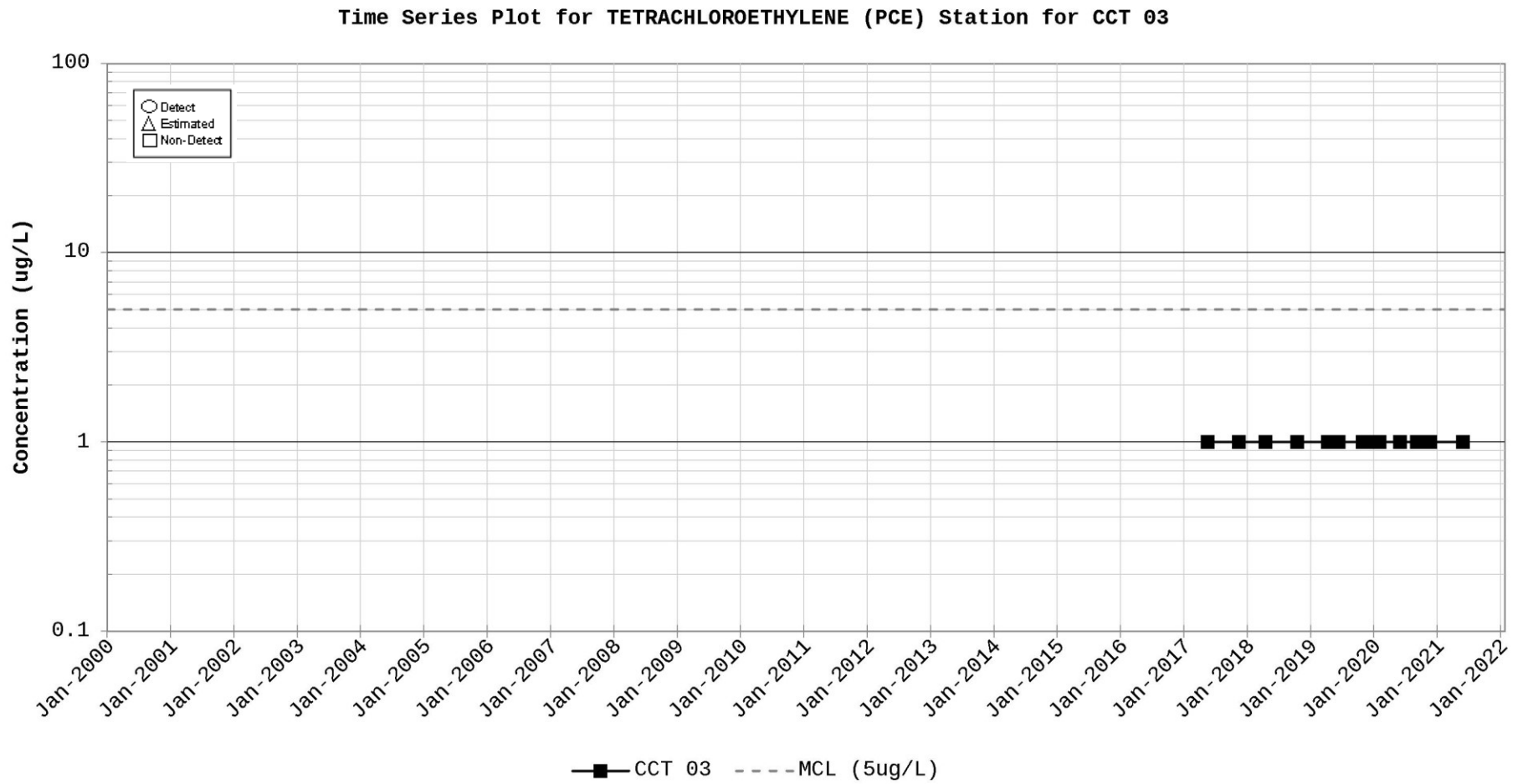


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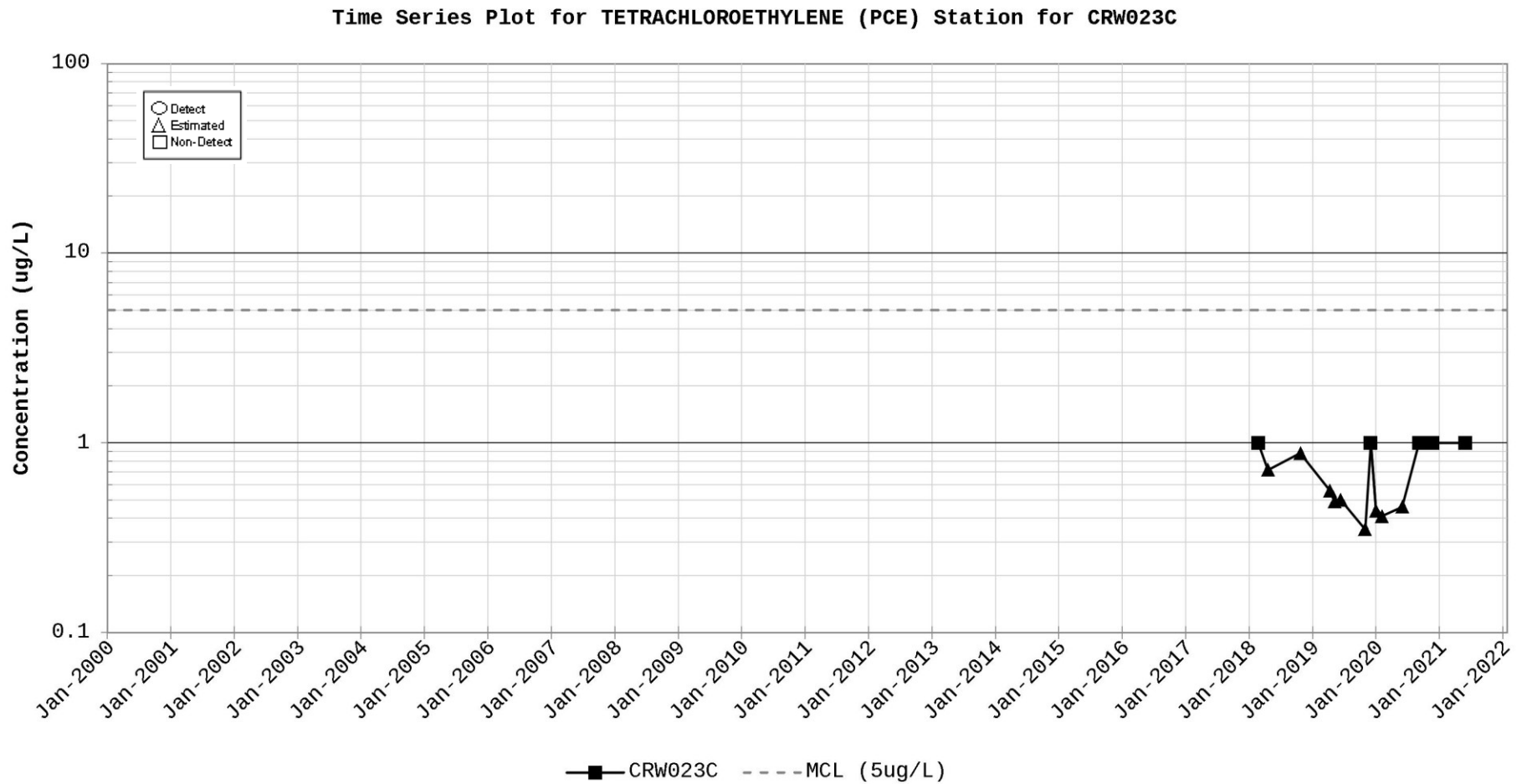


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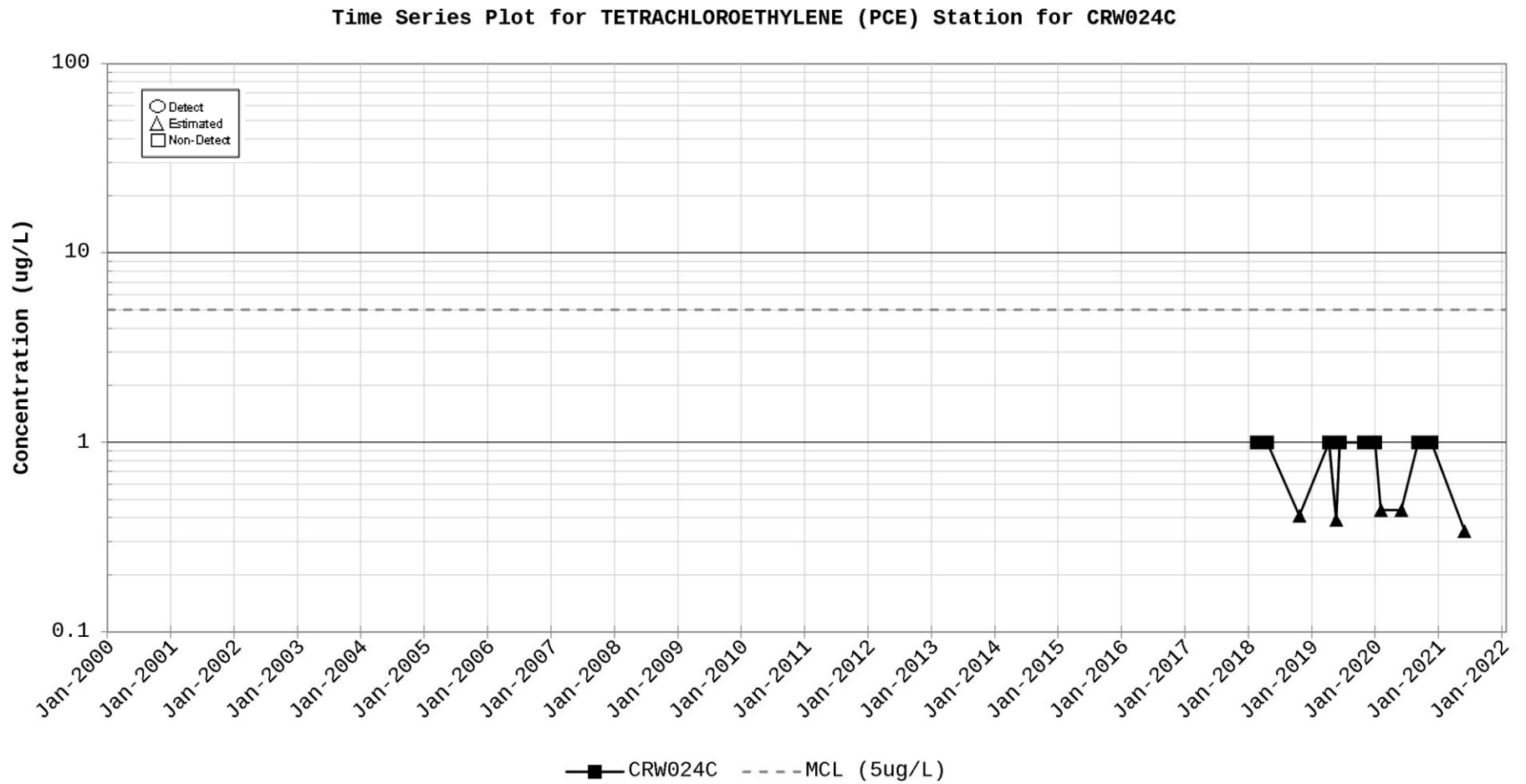


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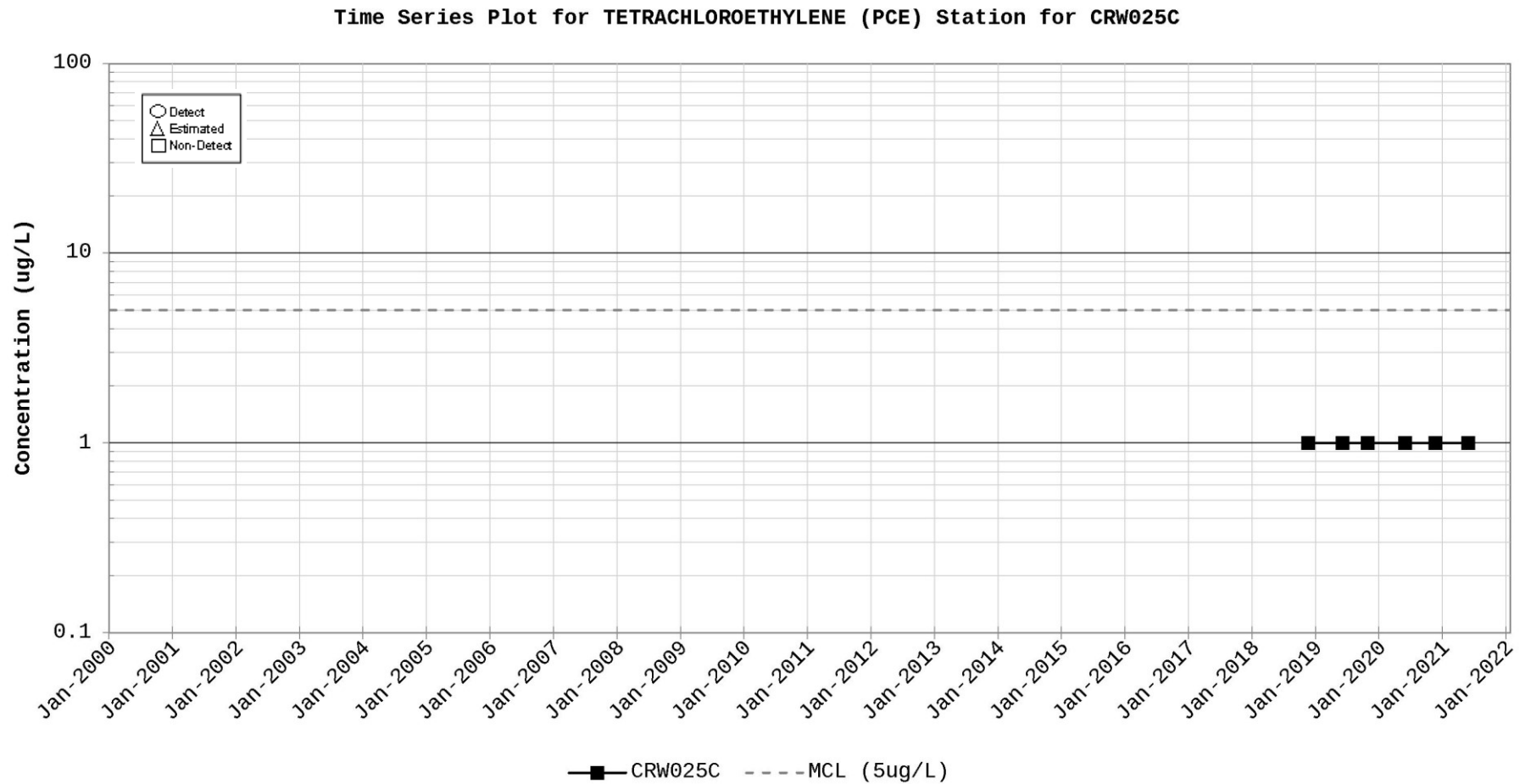


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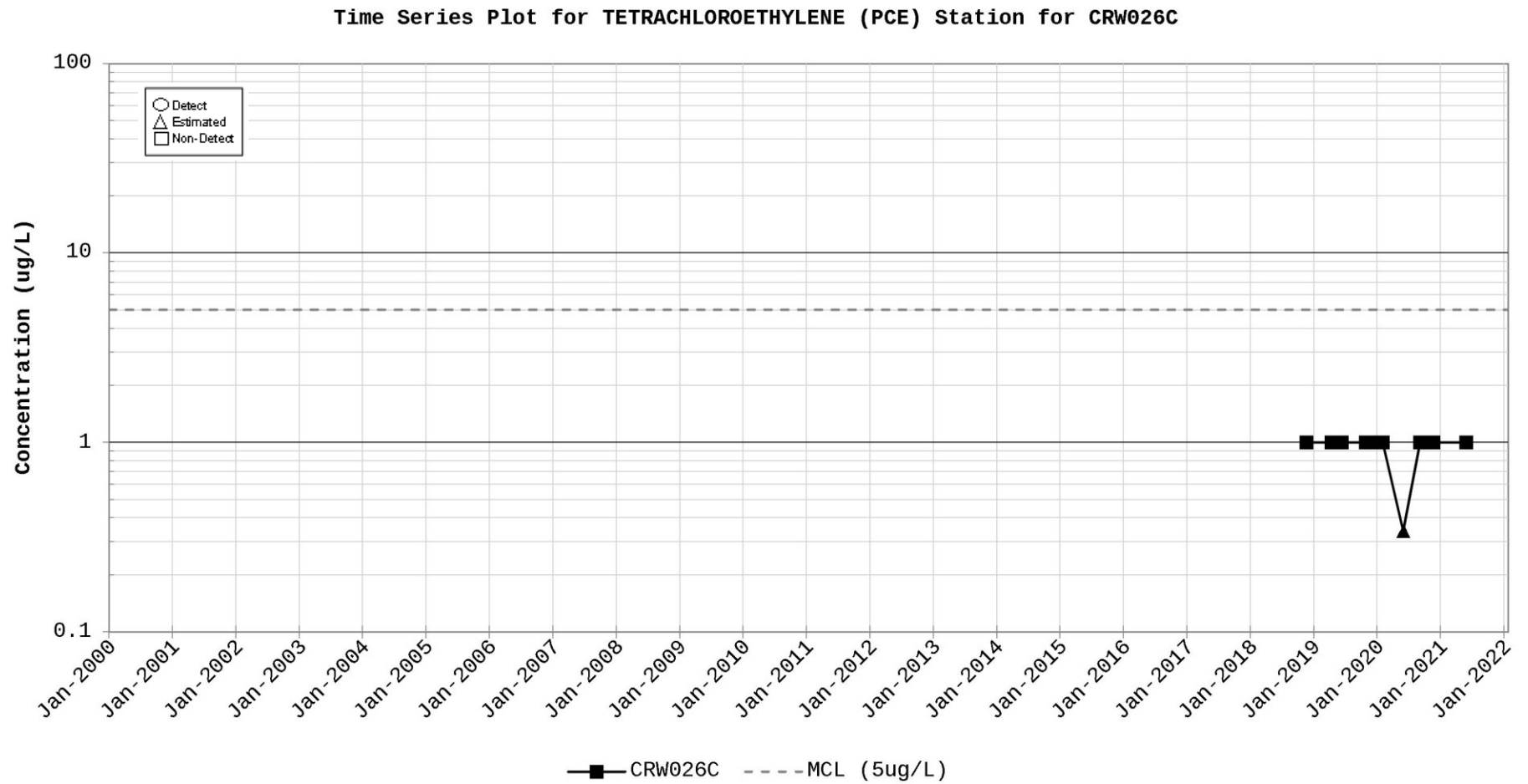


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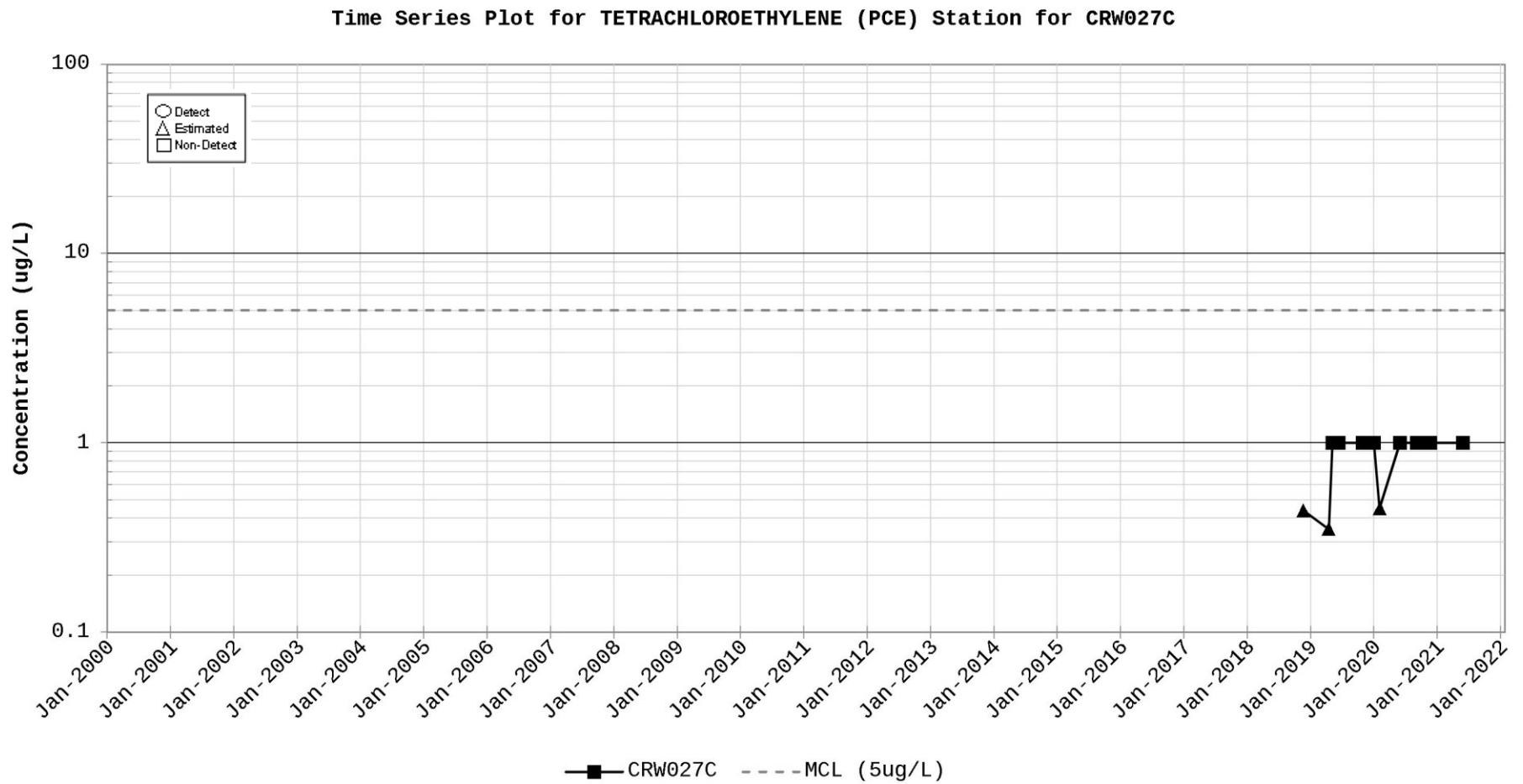


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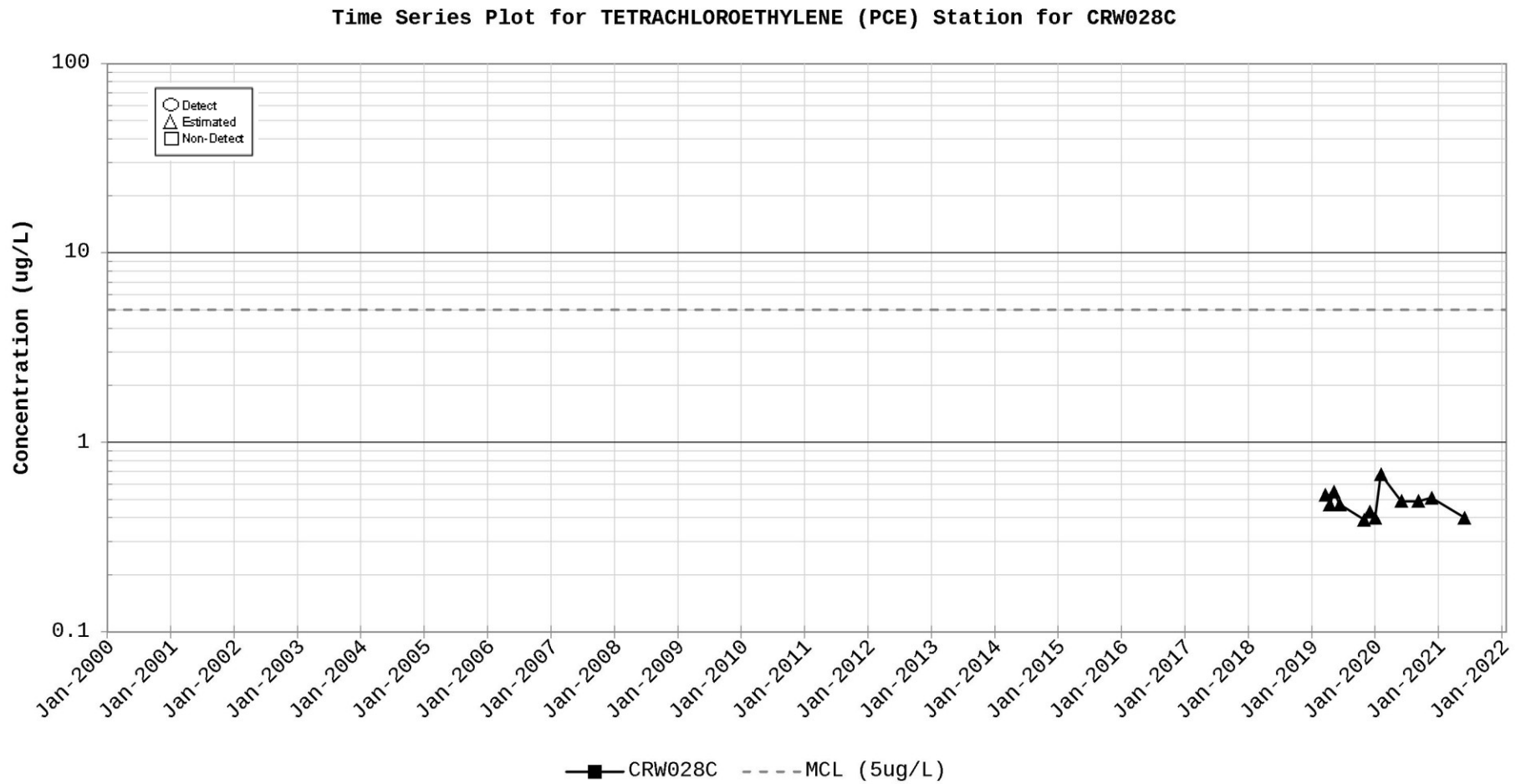


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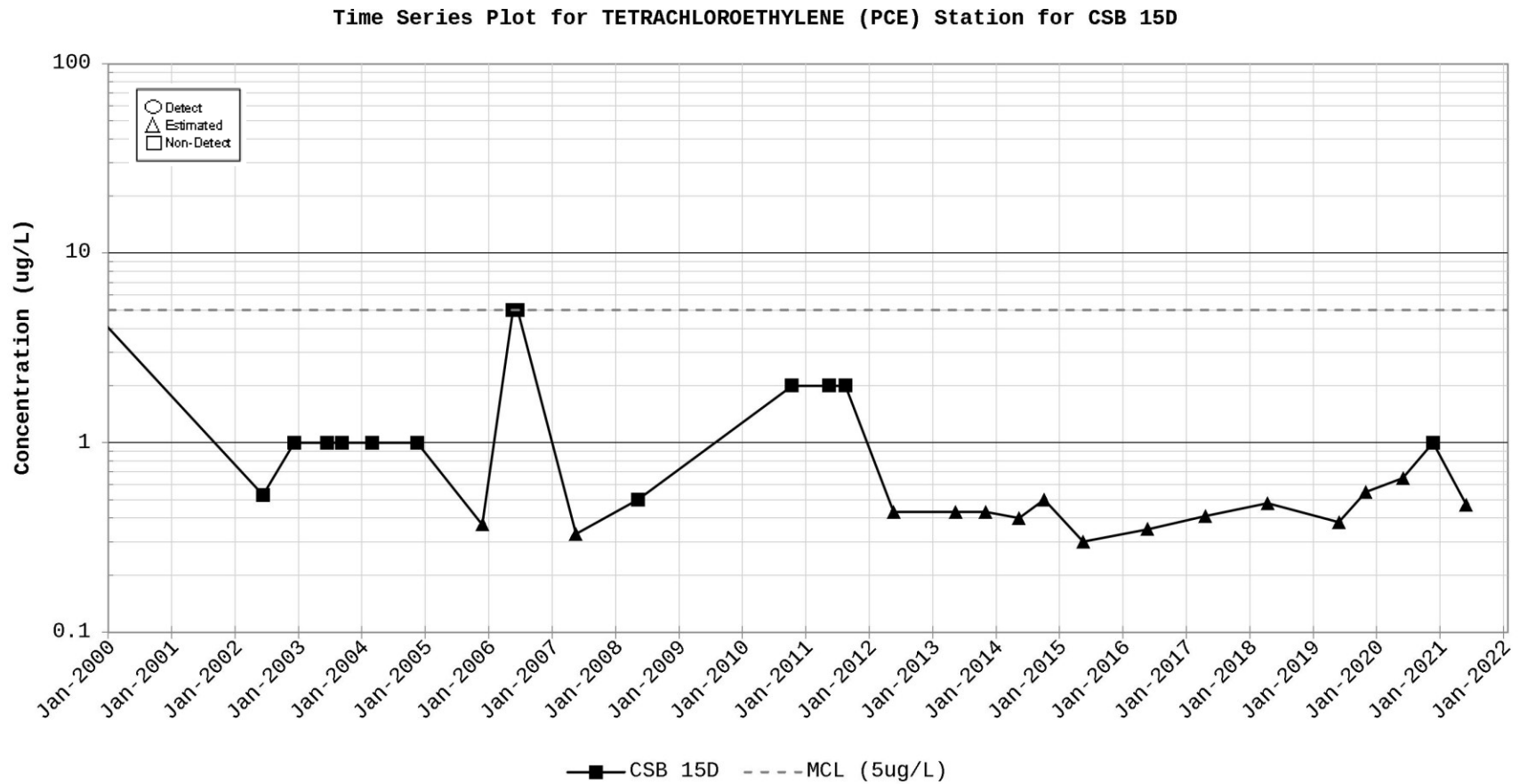


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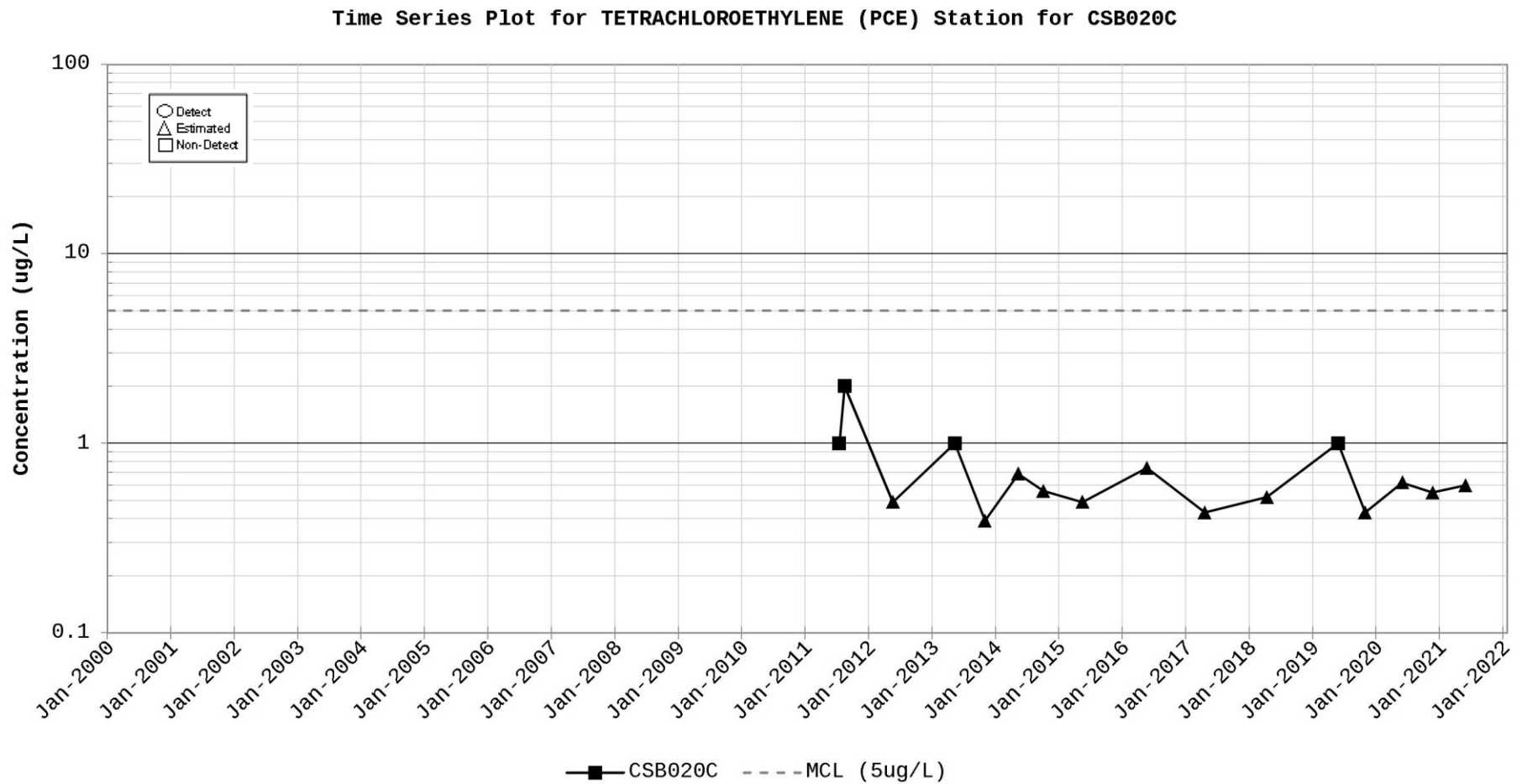


Figure C-73.

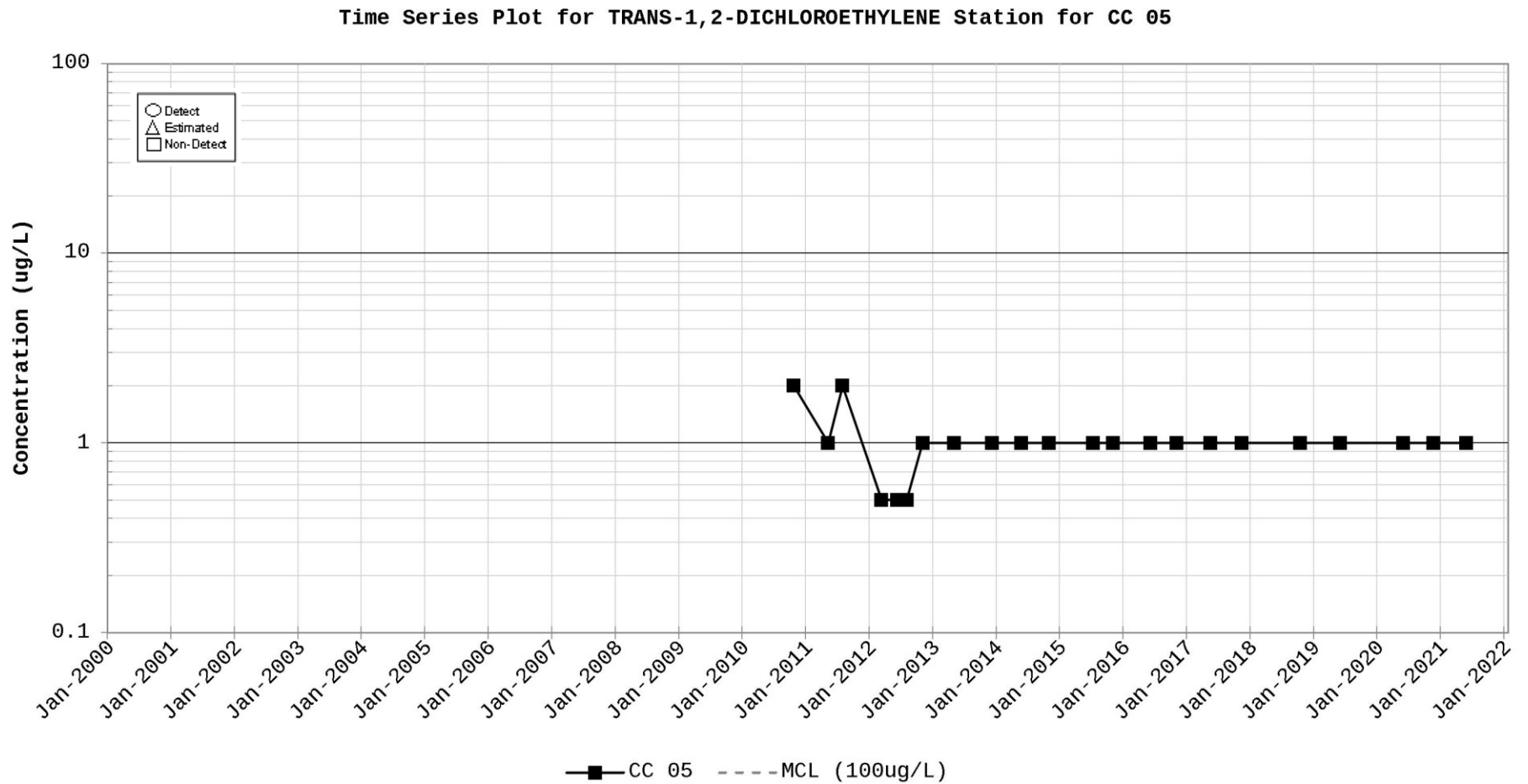


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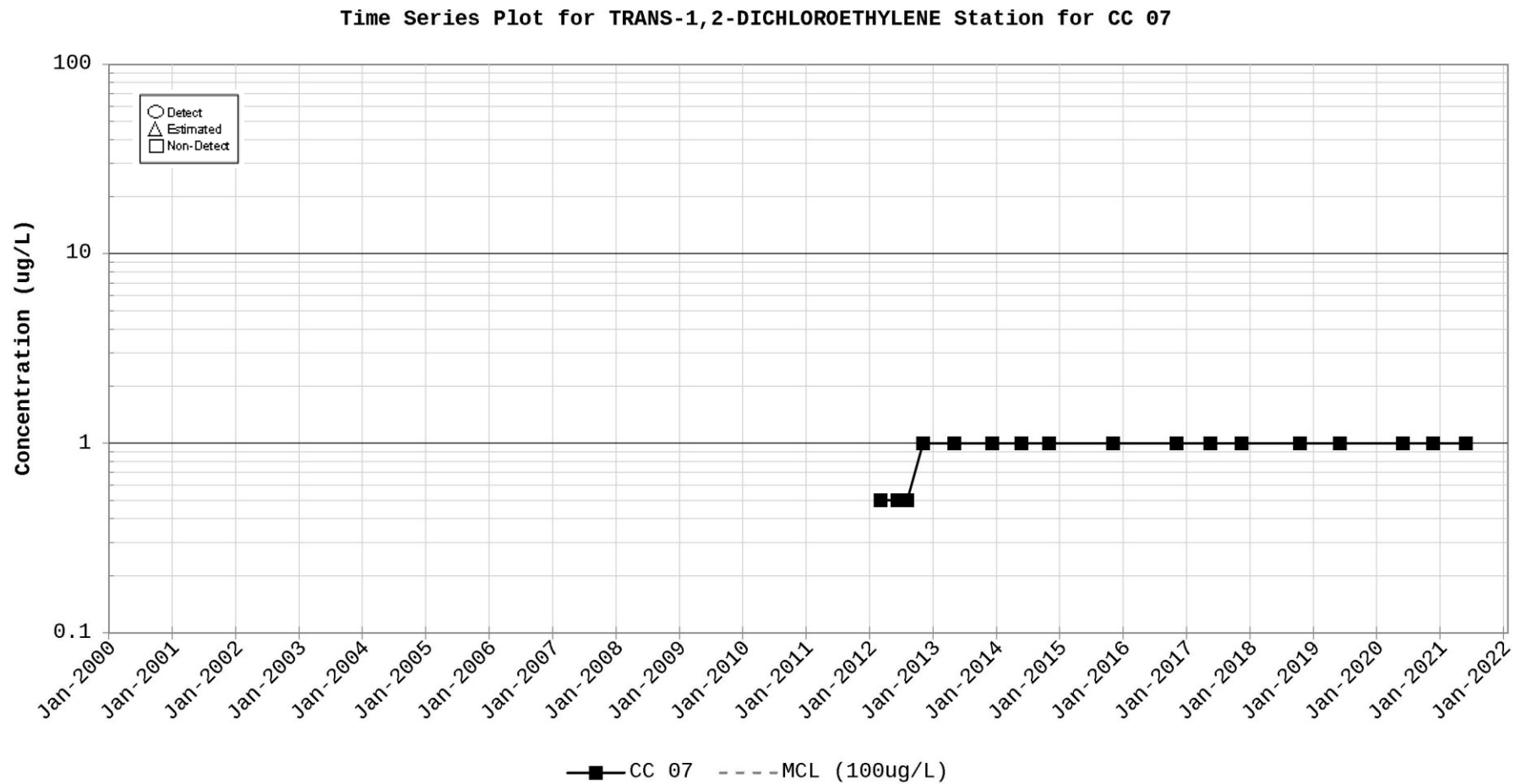


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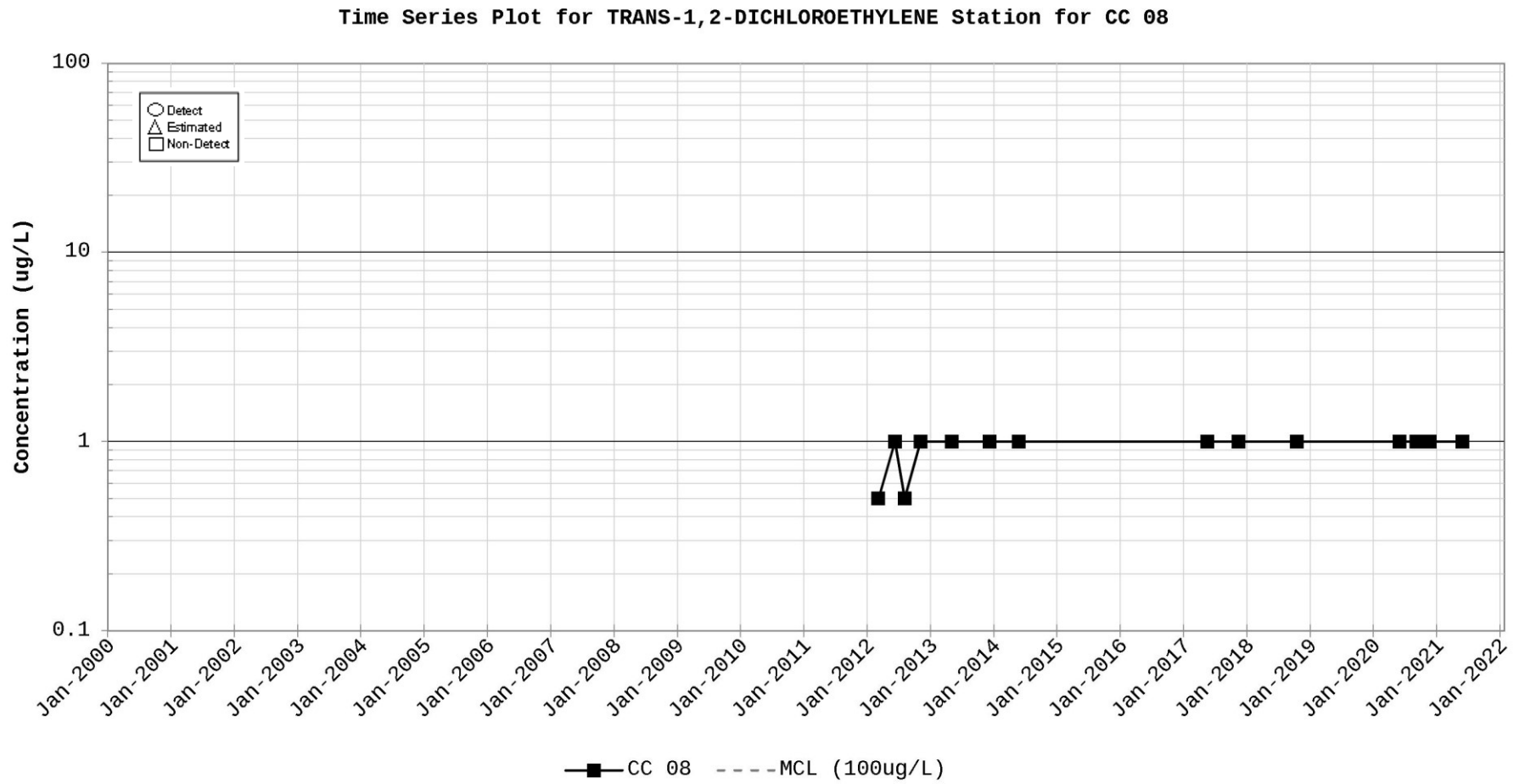


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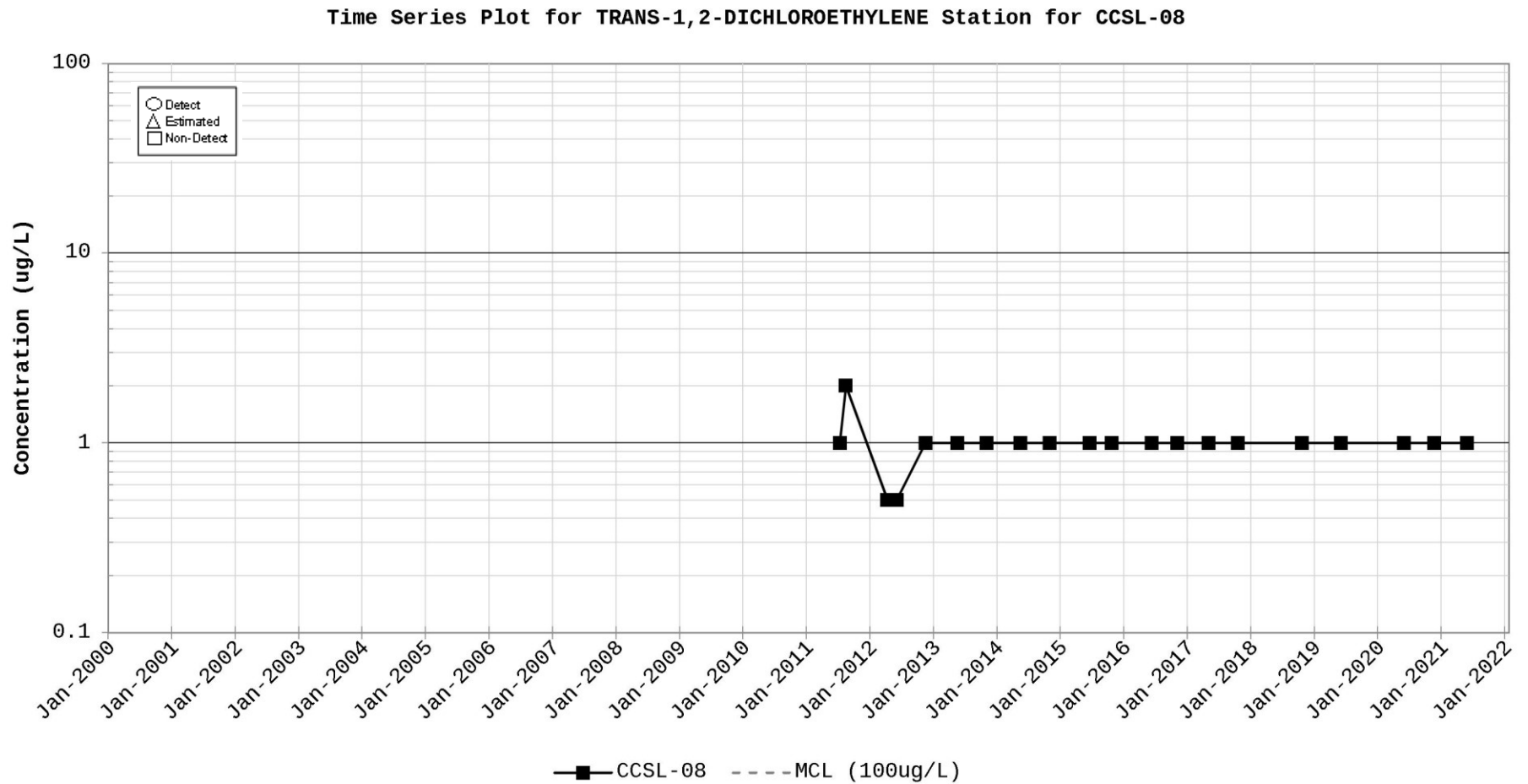


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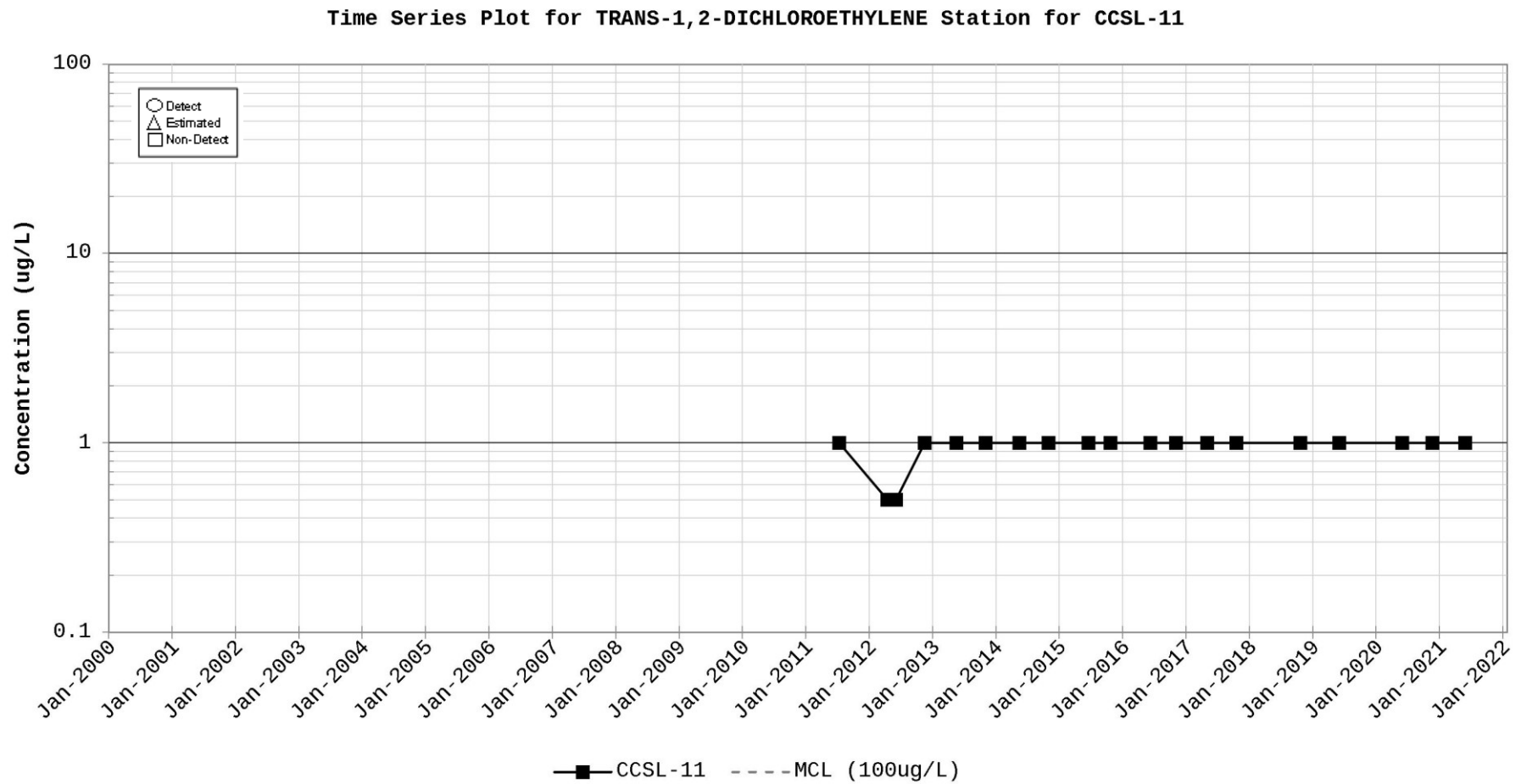


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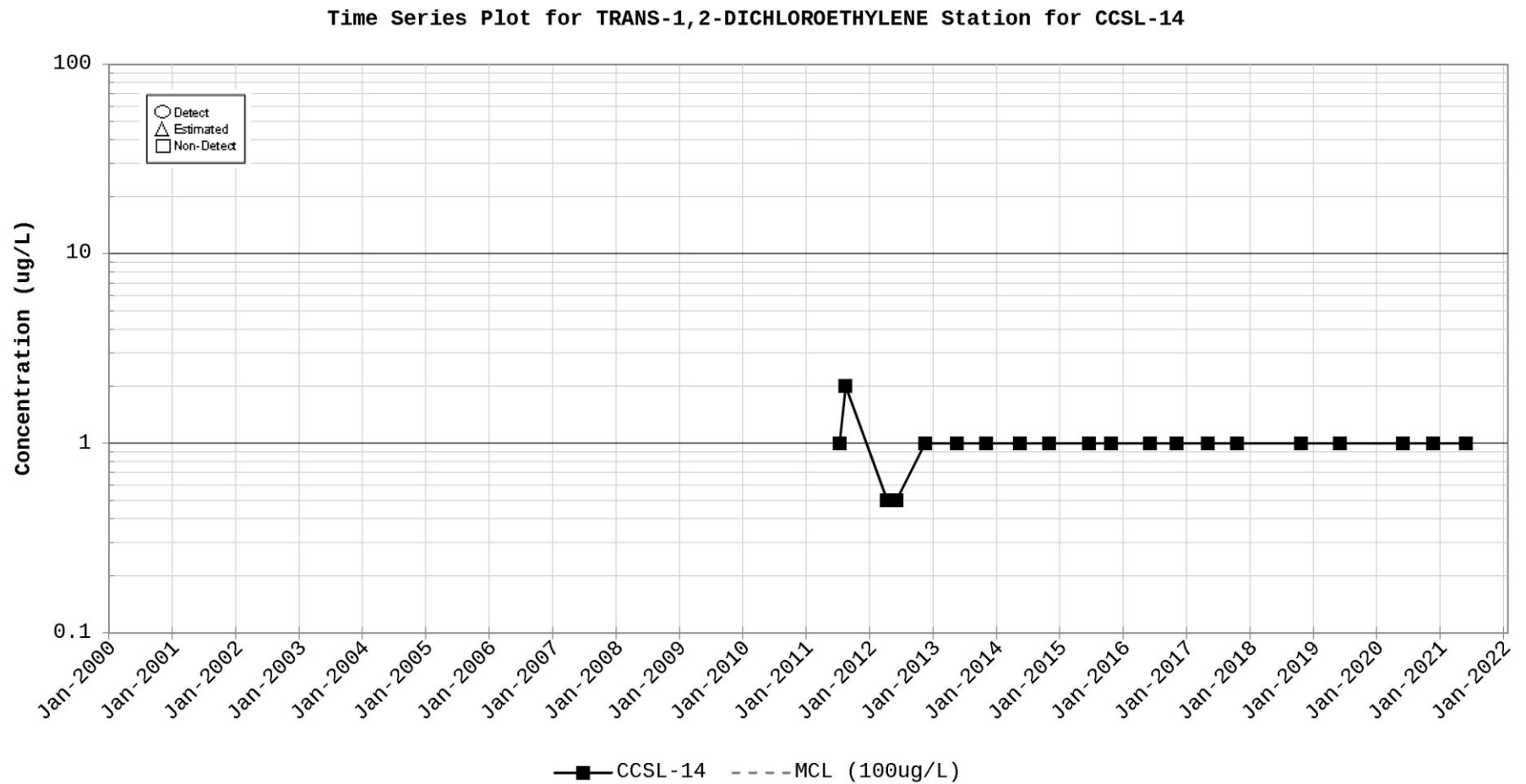


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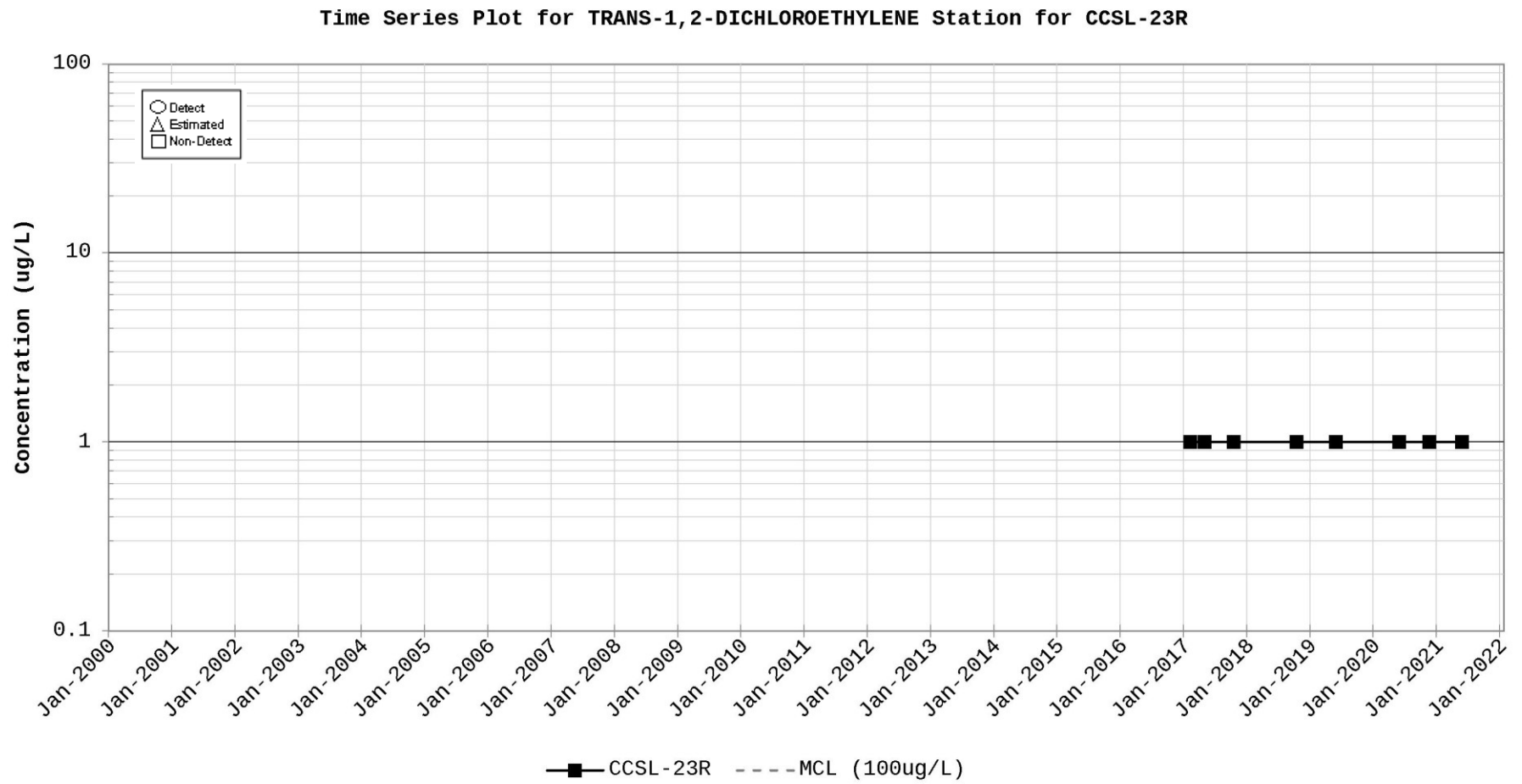


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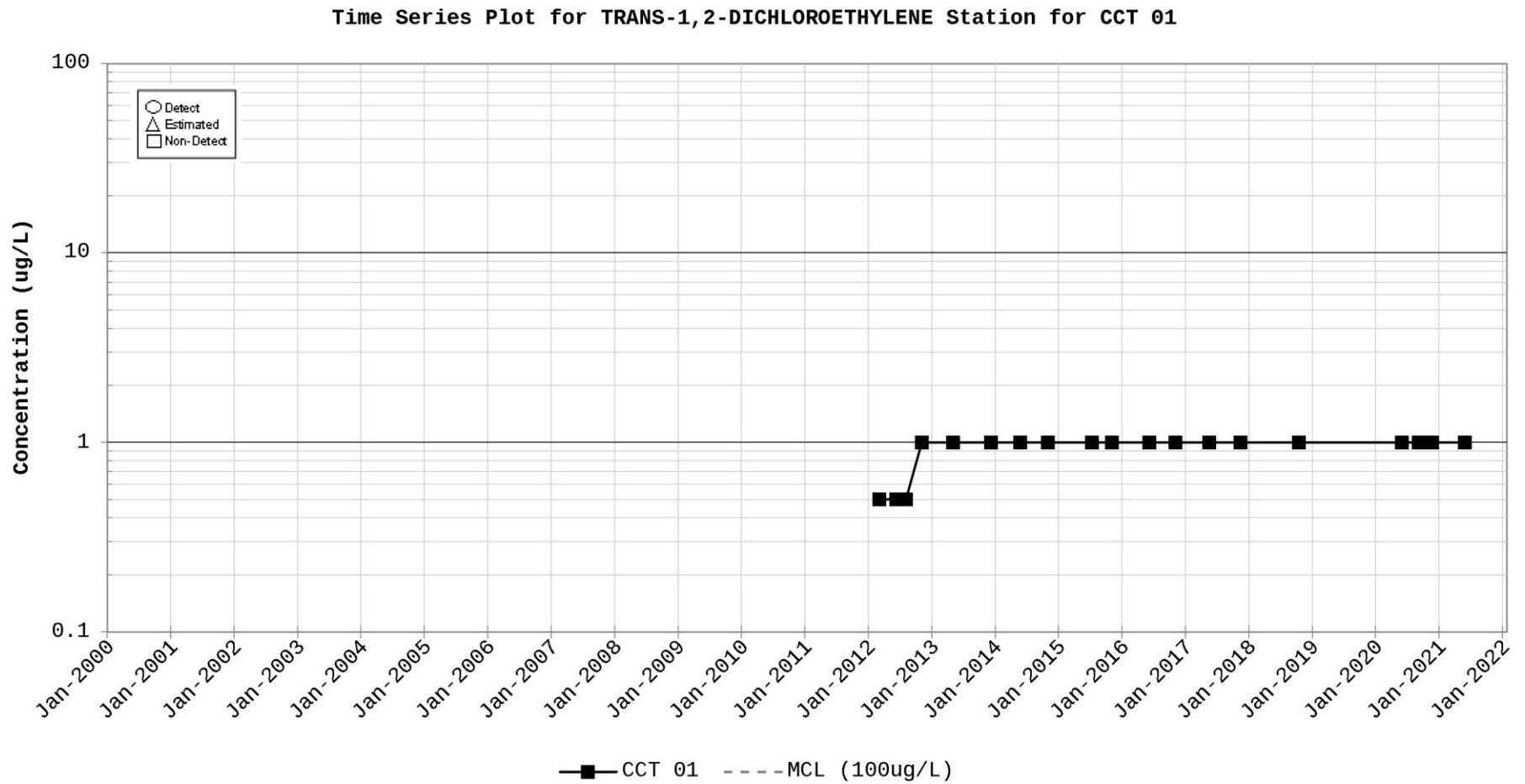


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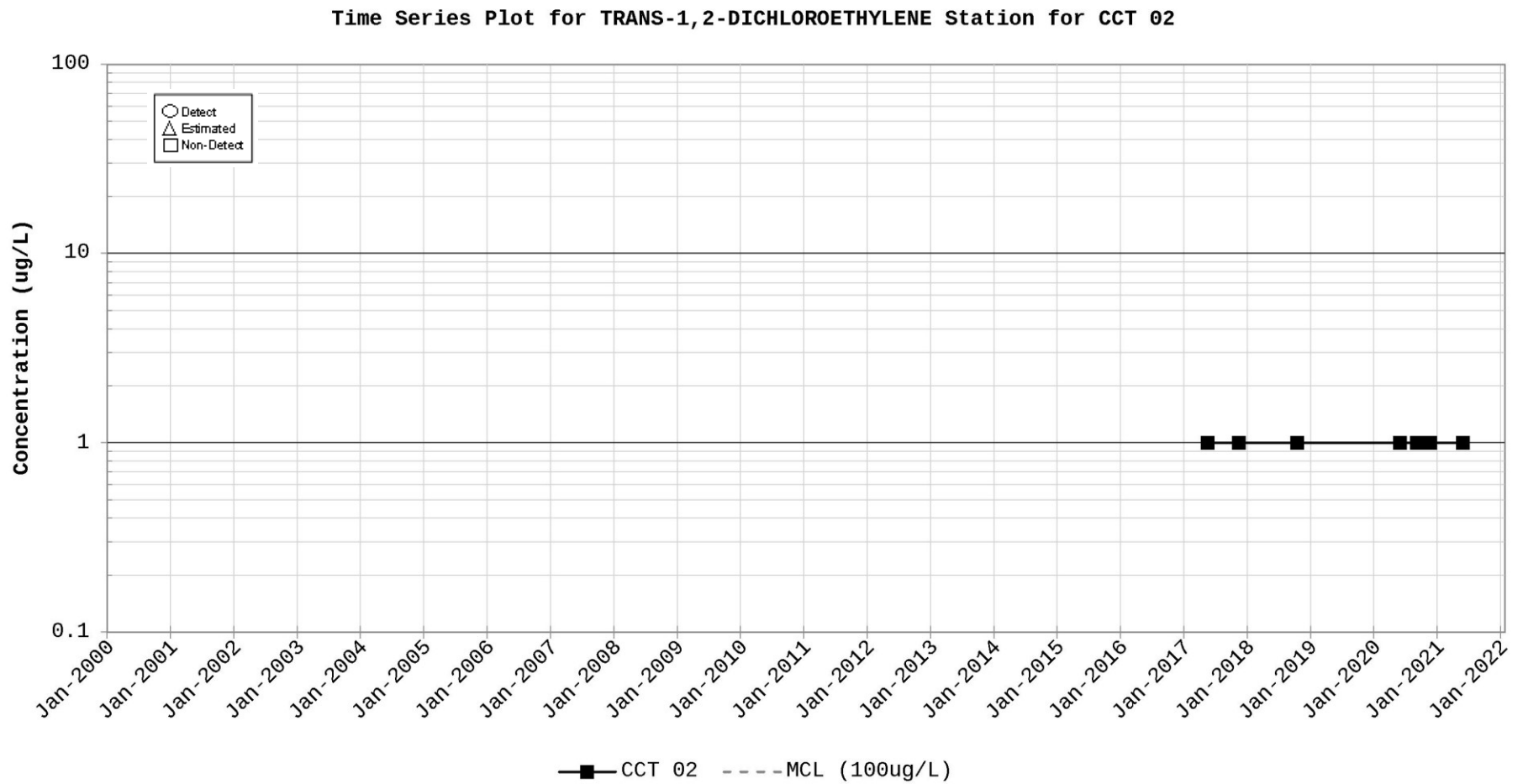


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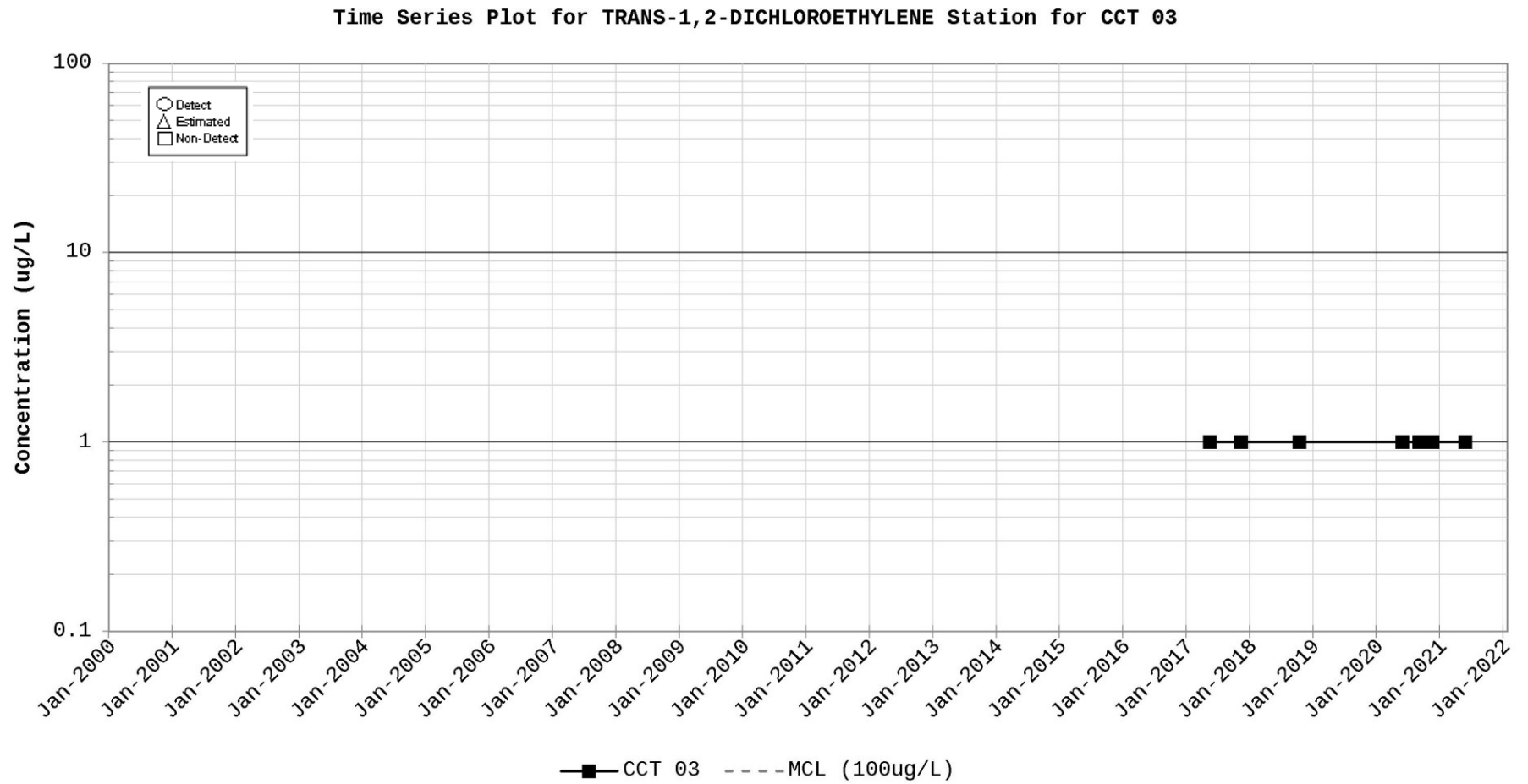


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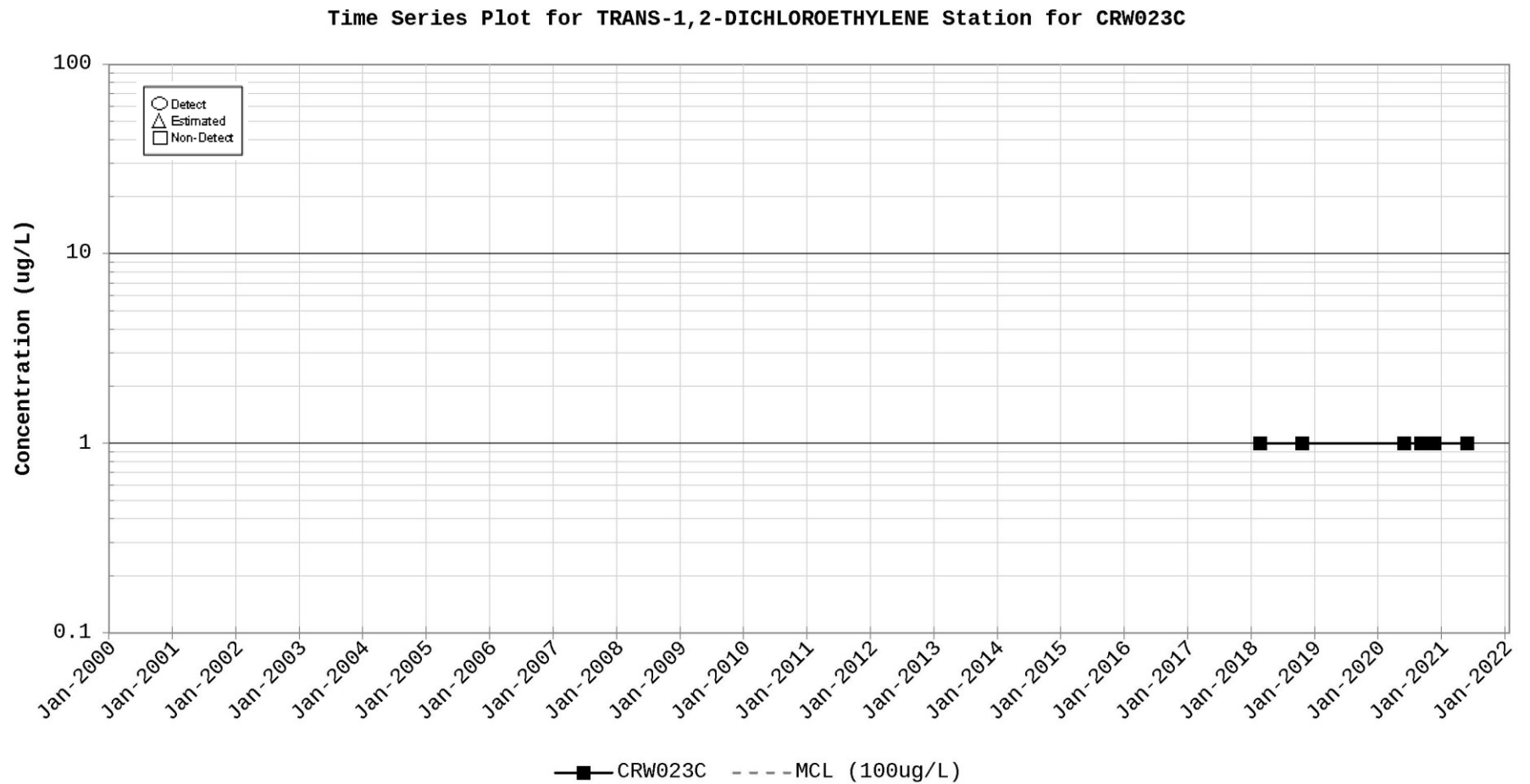


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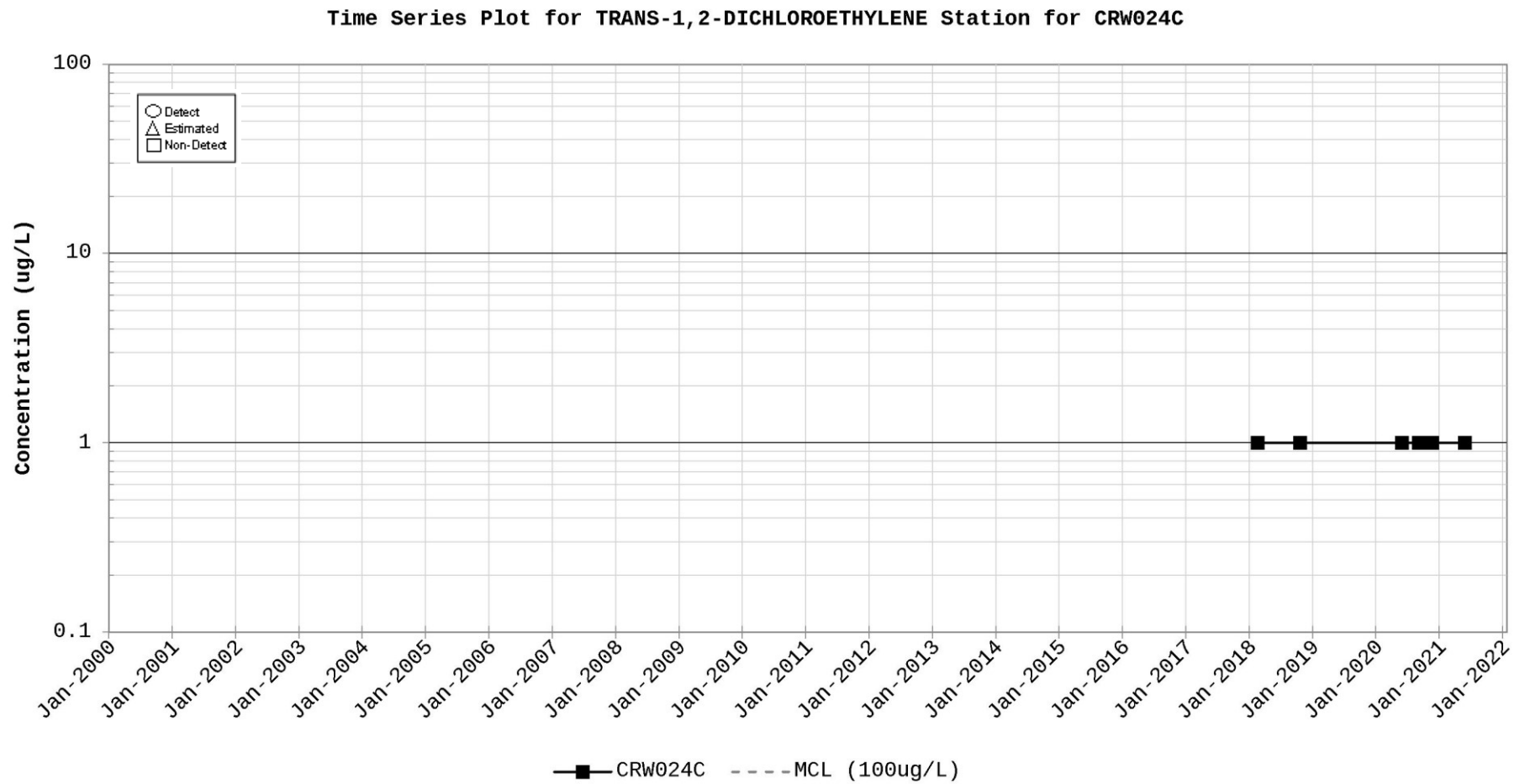


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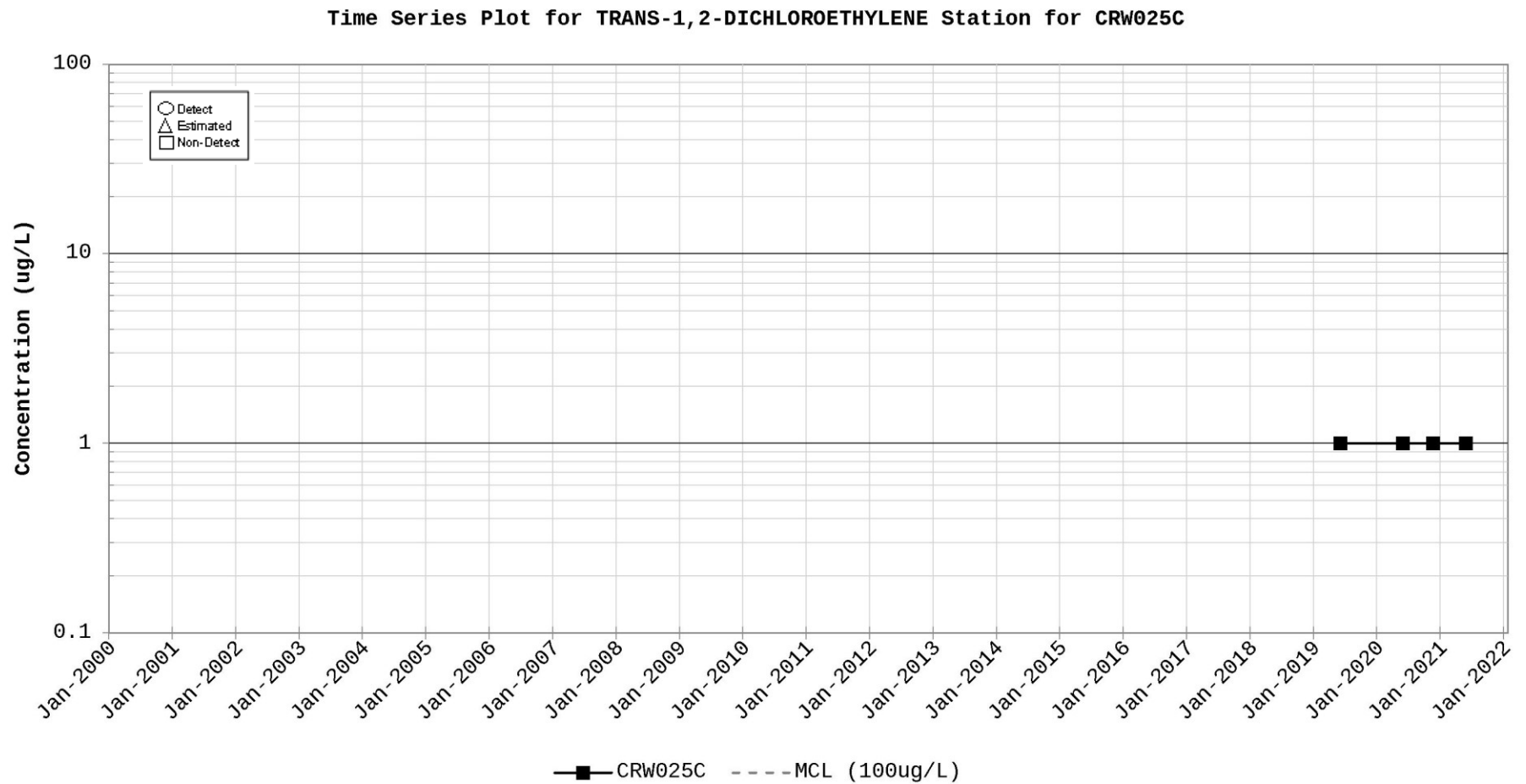


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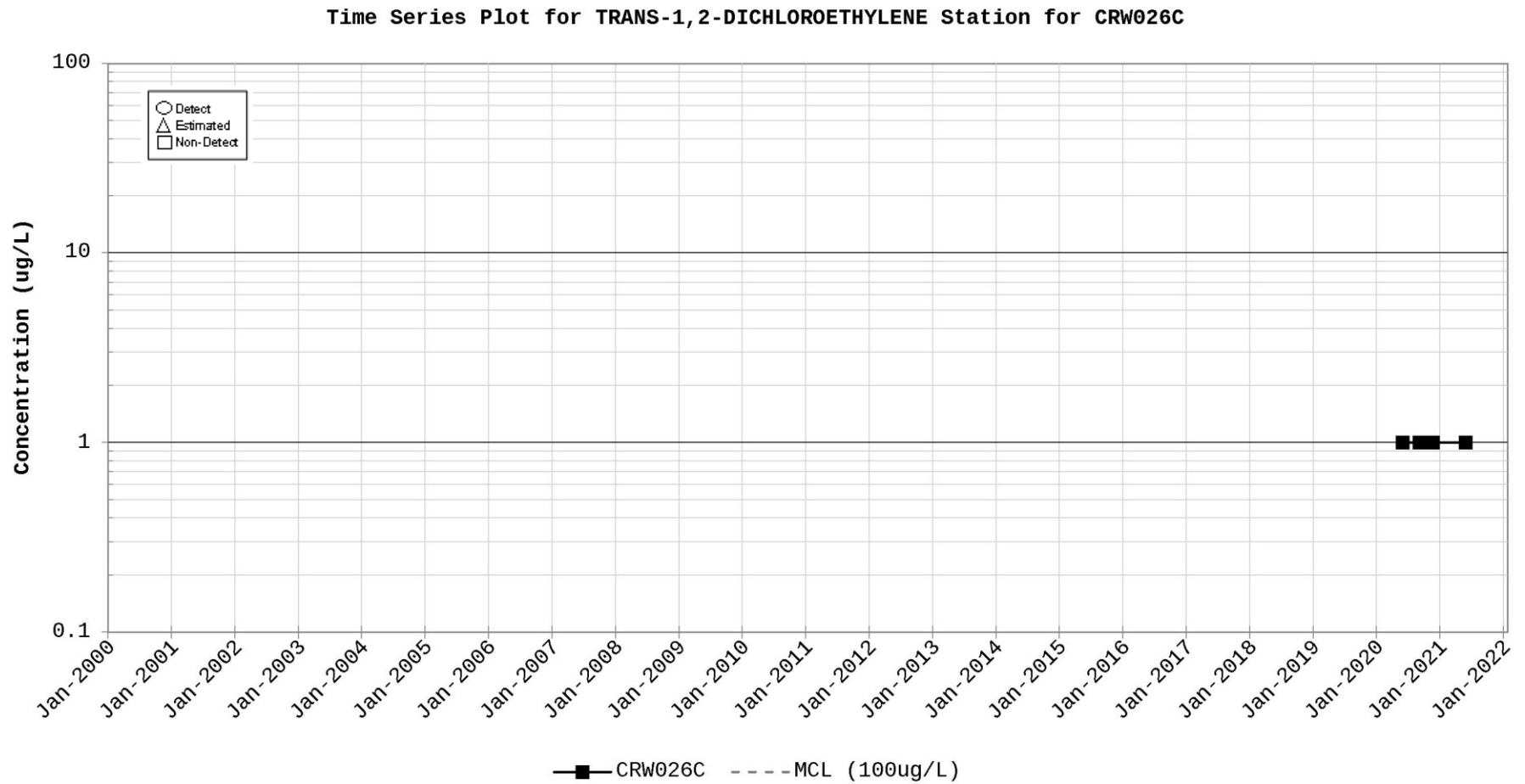


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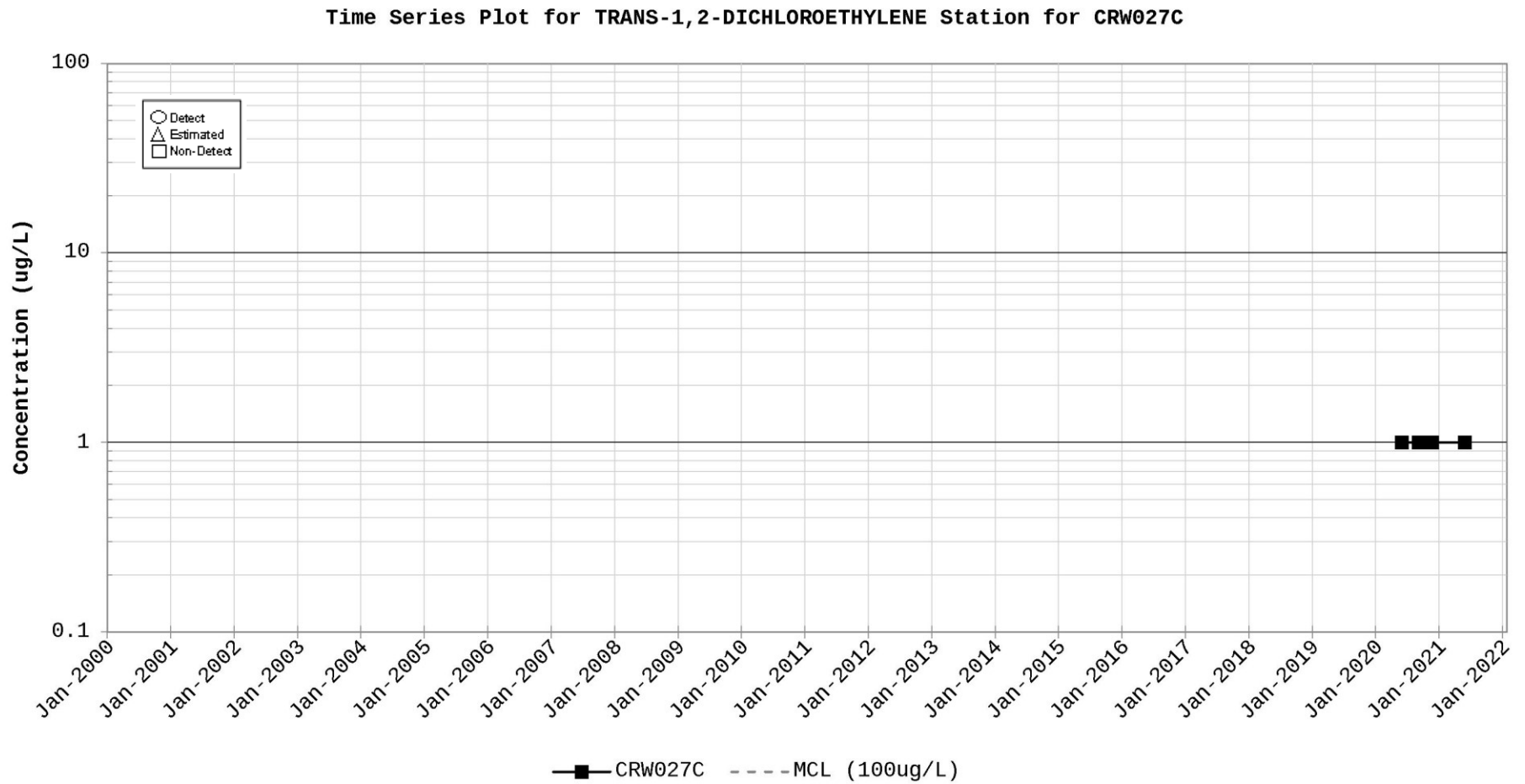


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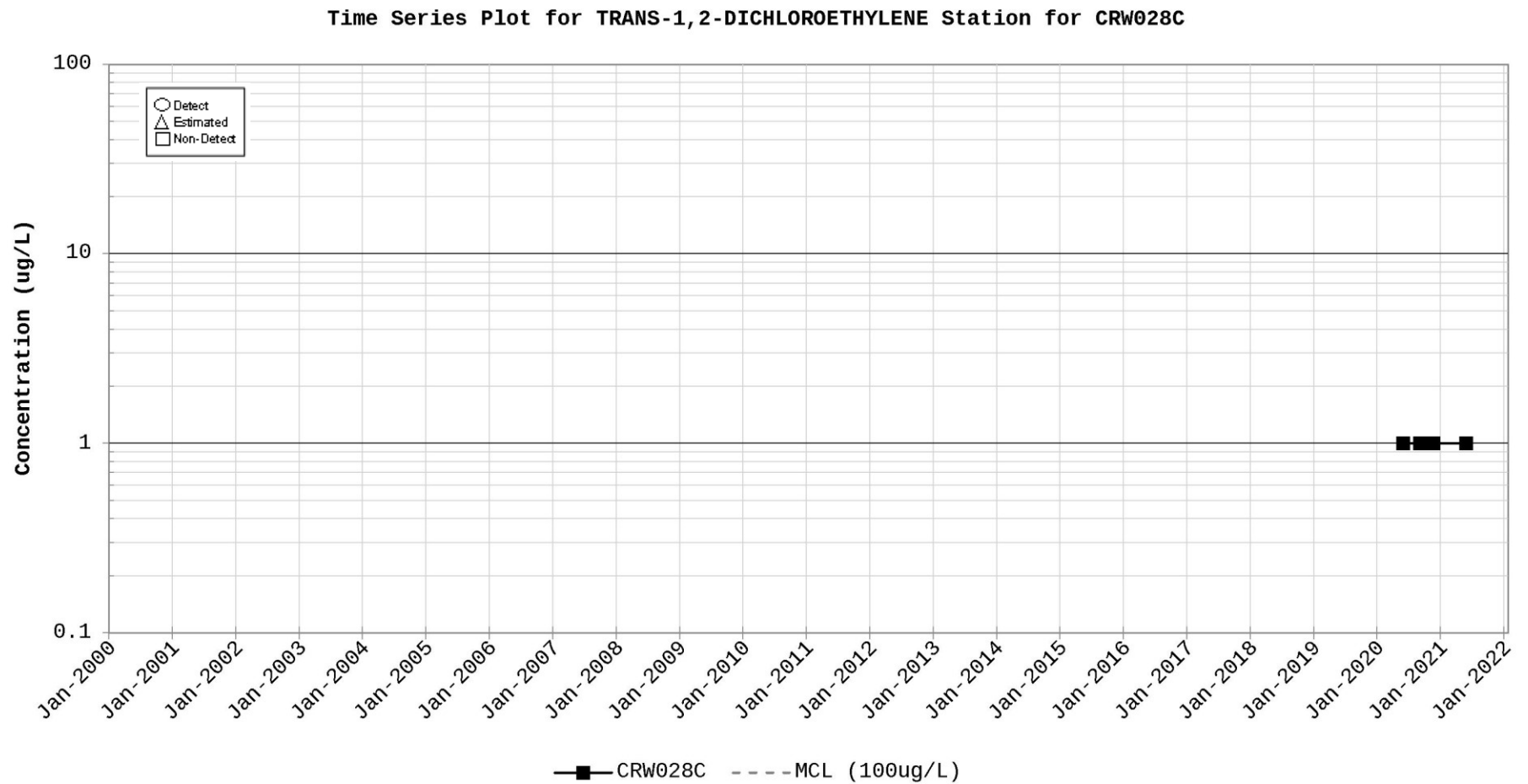


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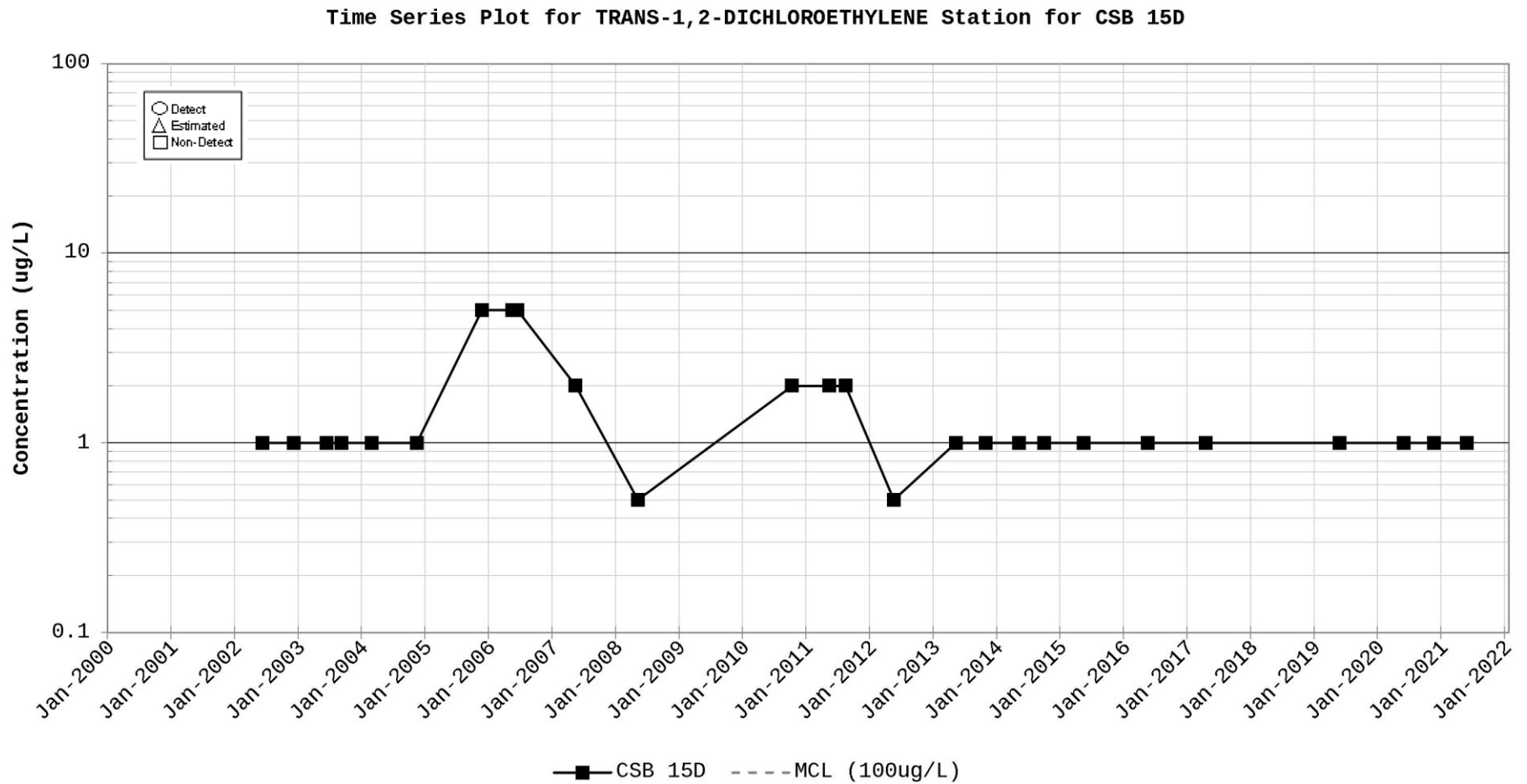


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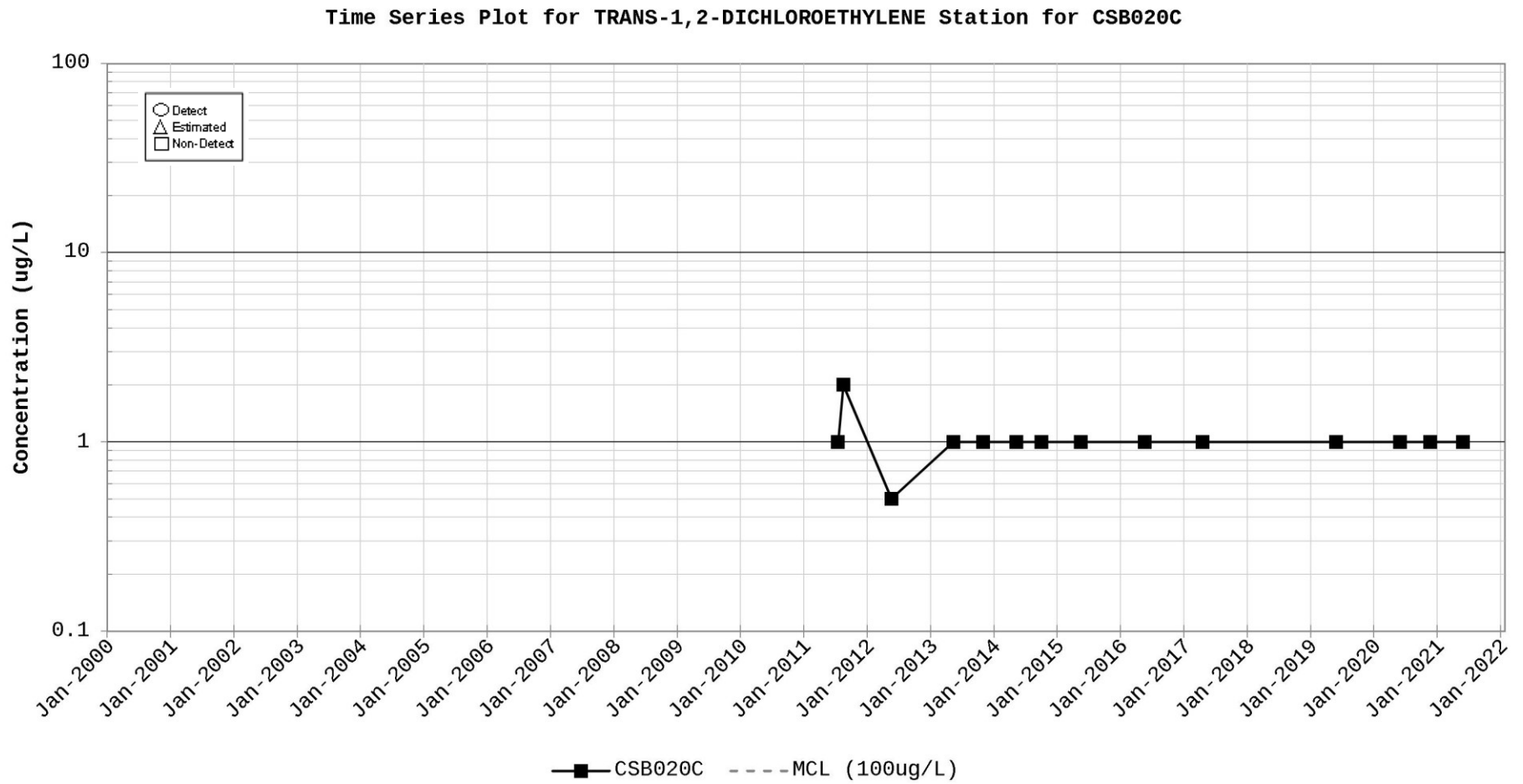


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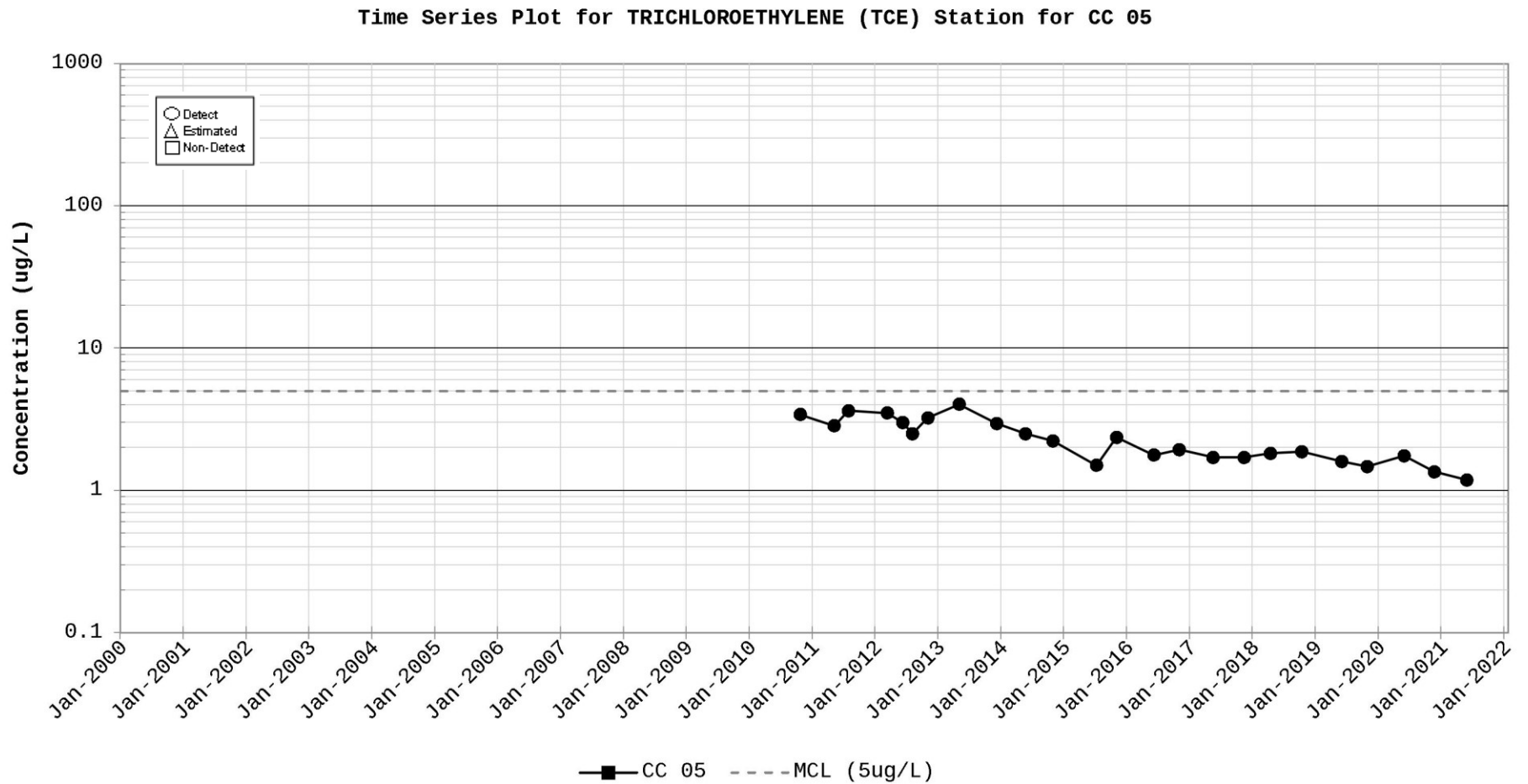


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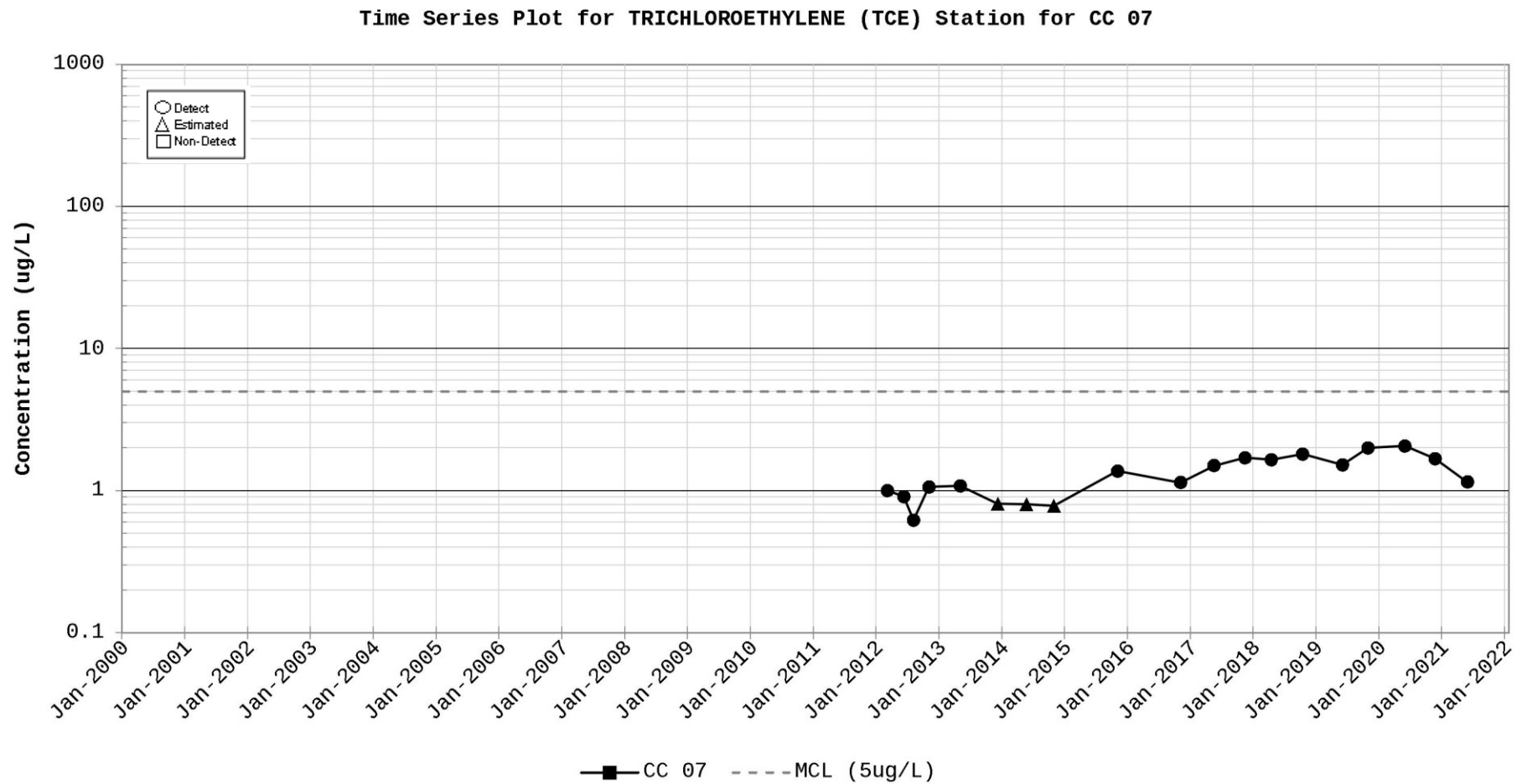


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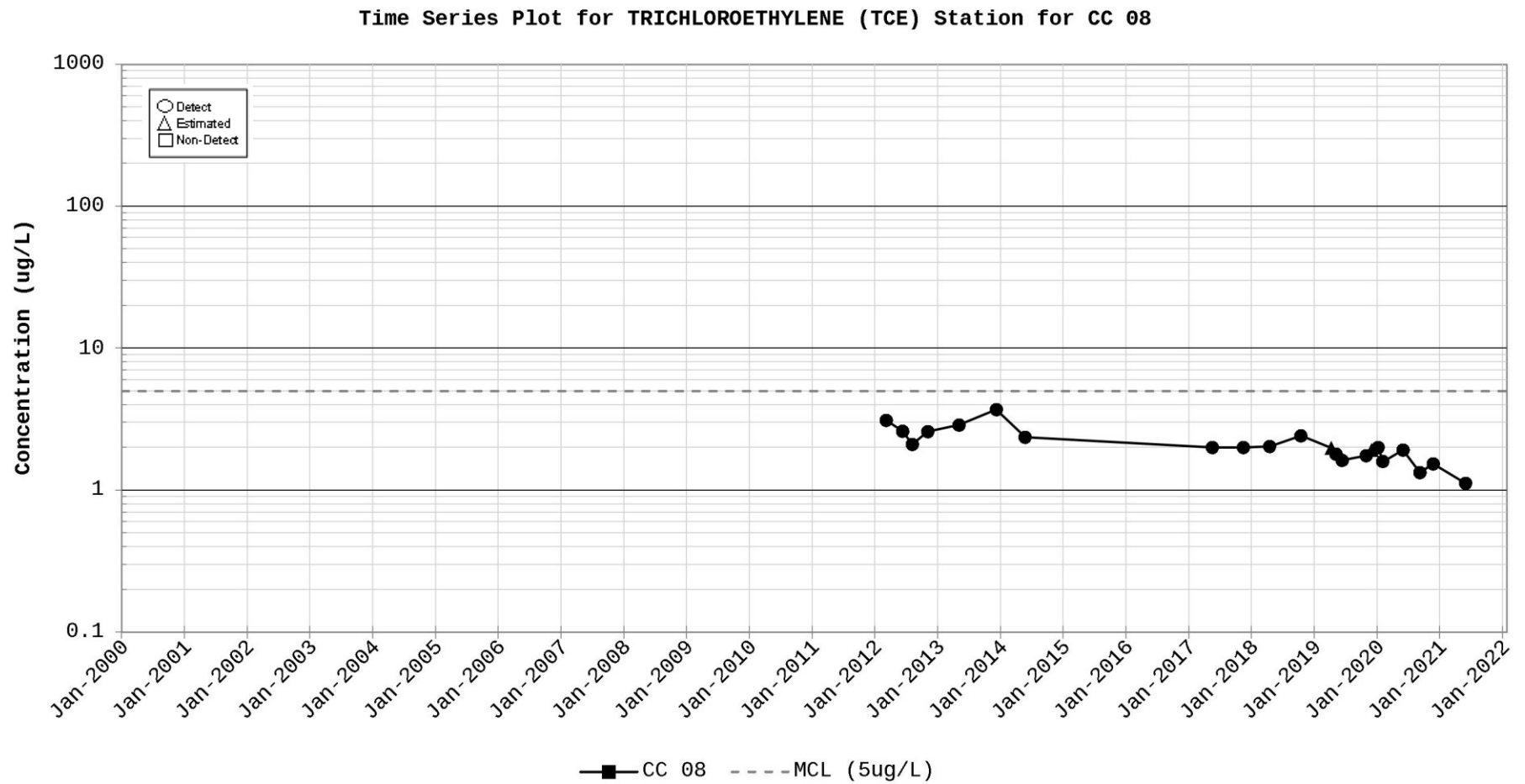


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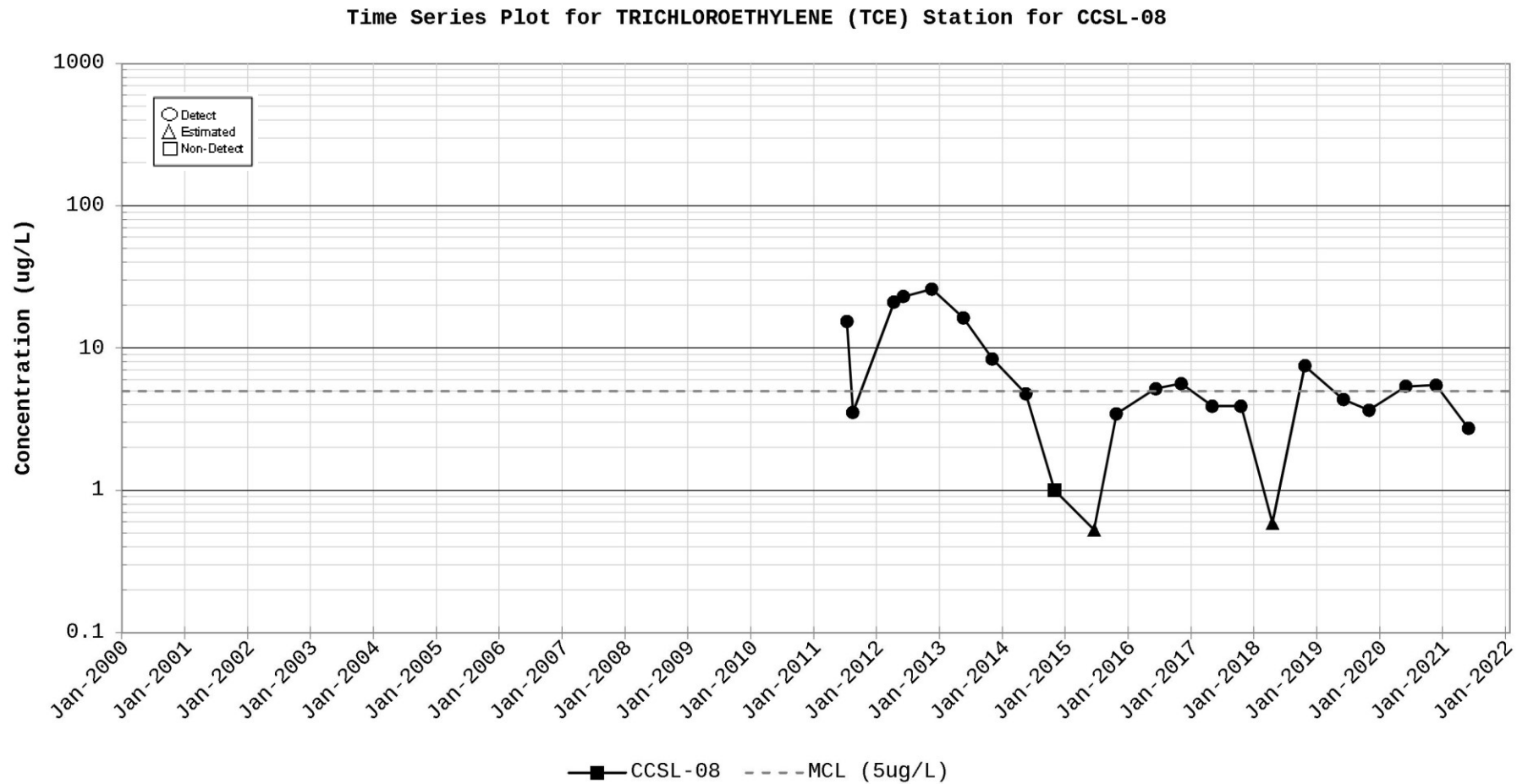


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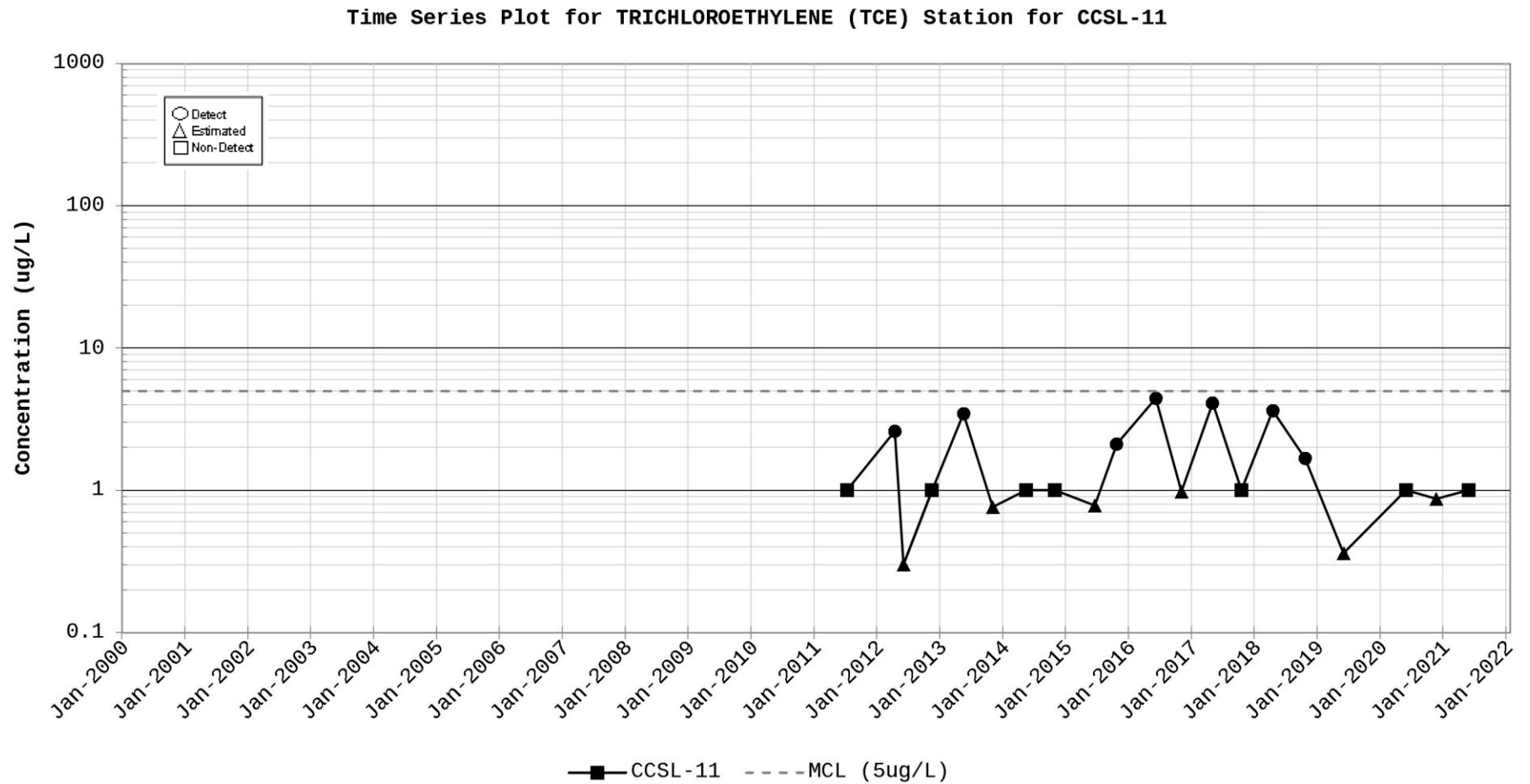


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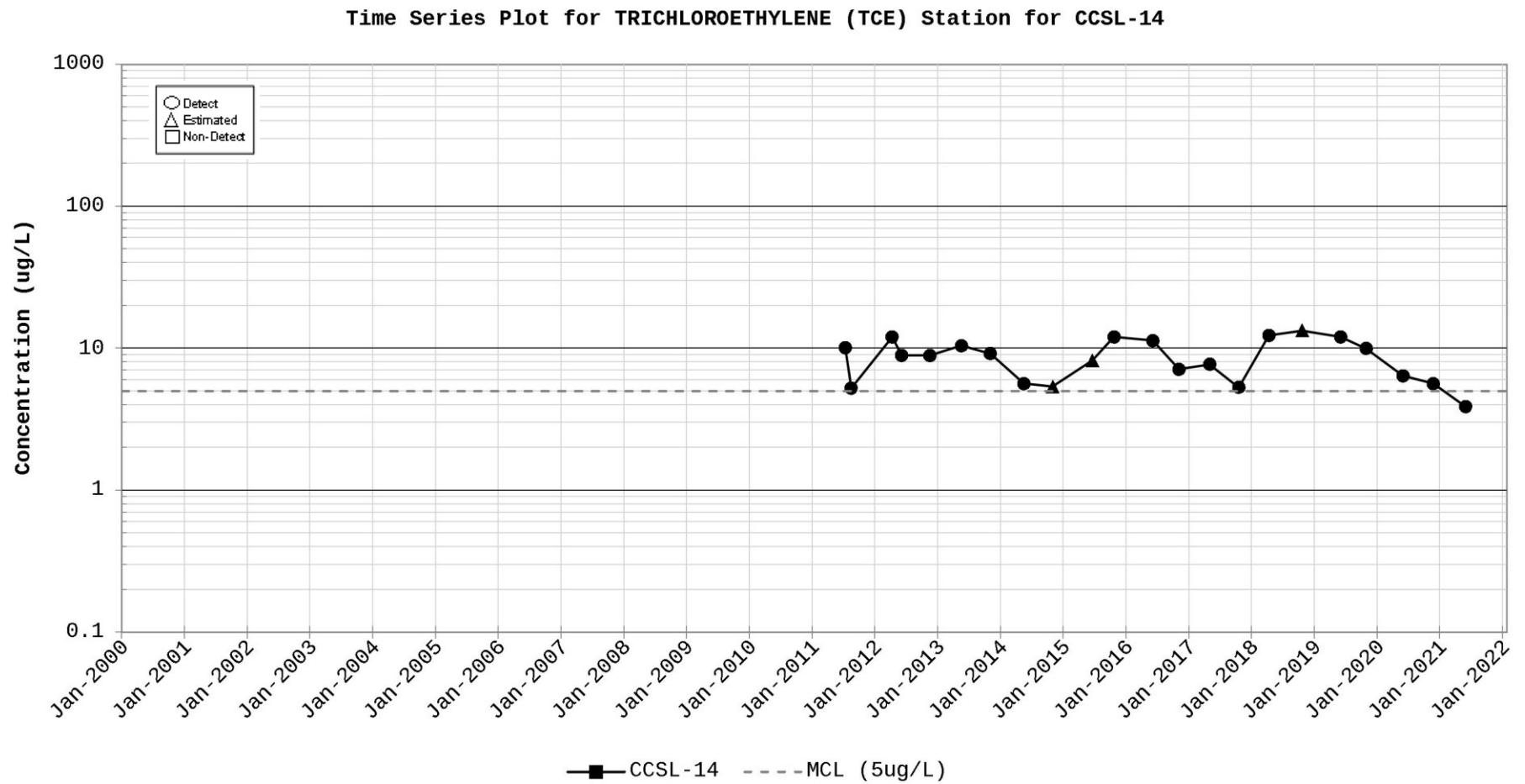


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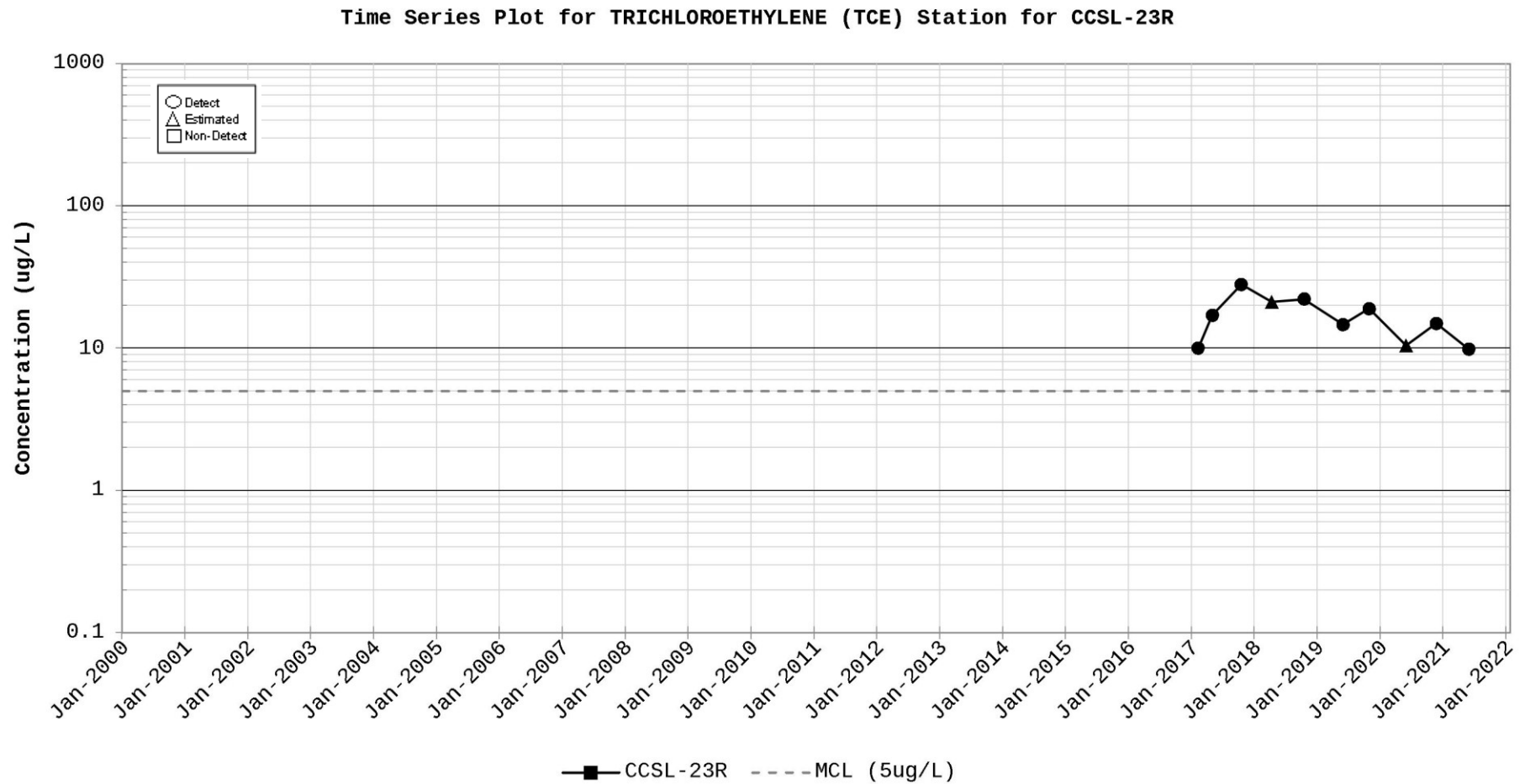


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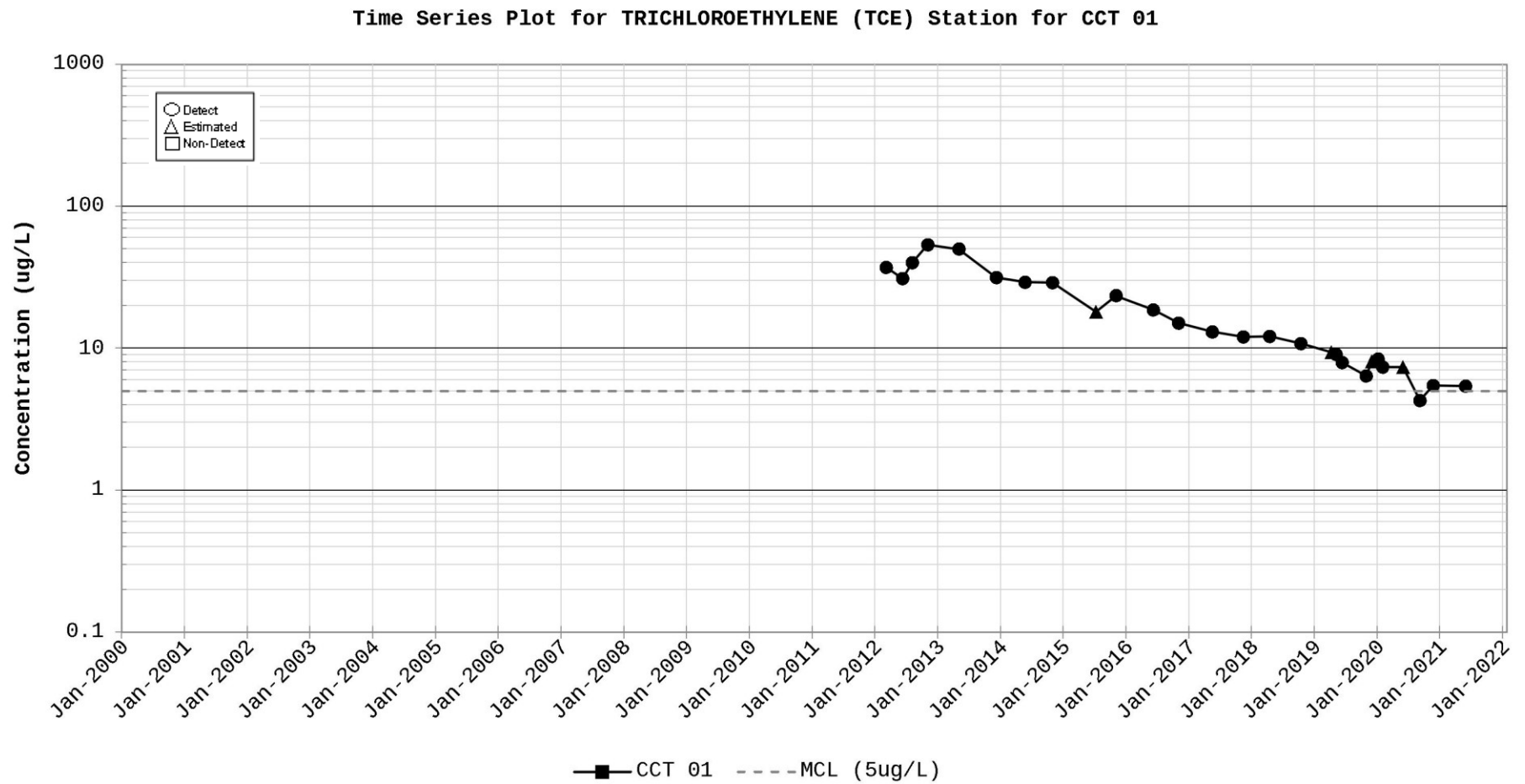


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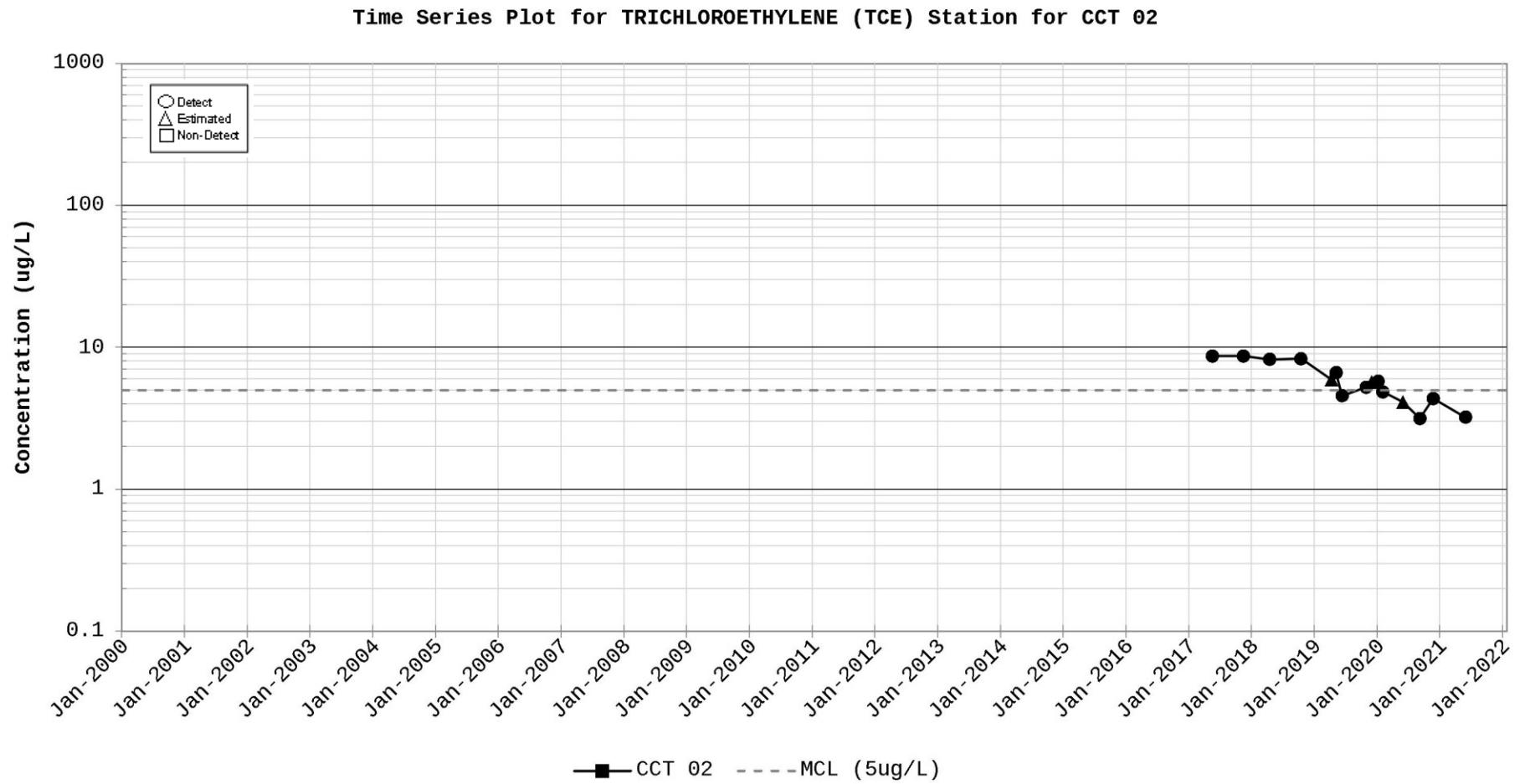


Figure C-100.

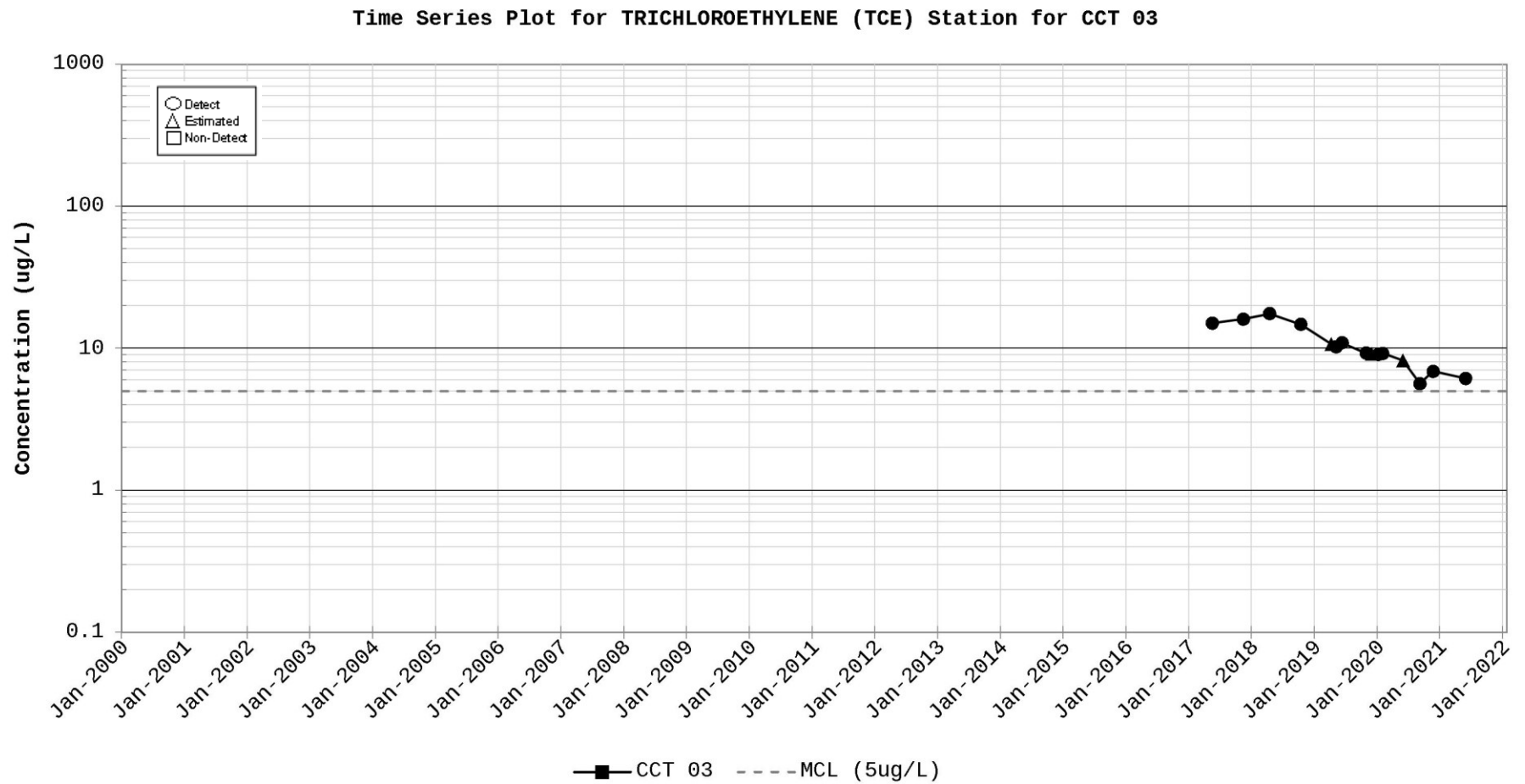


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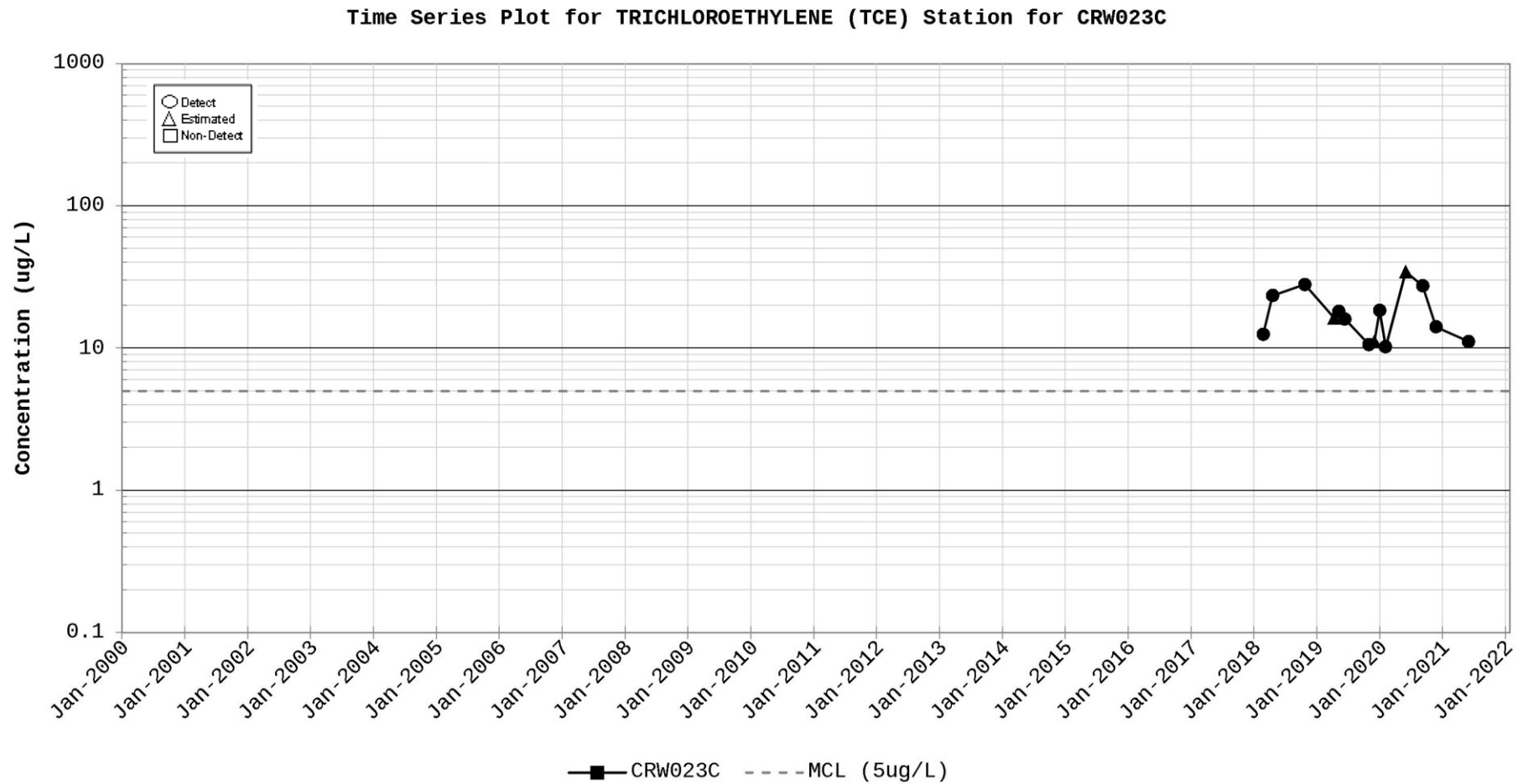


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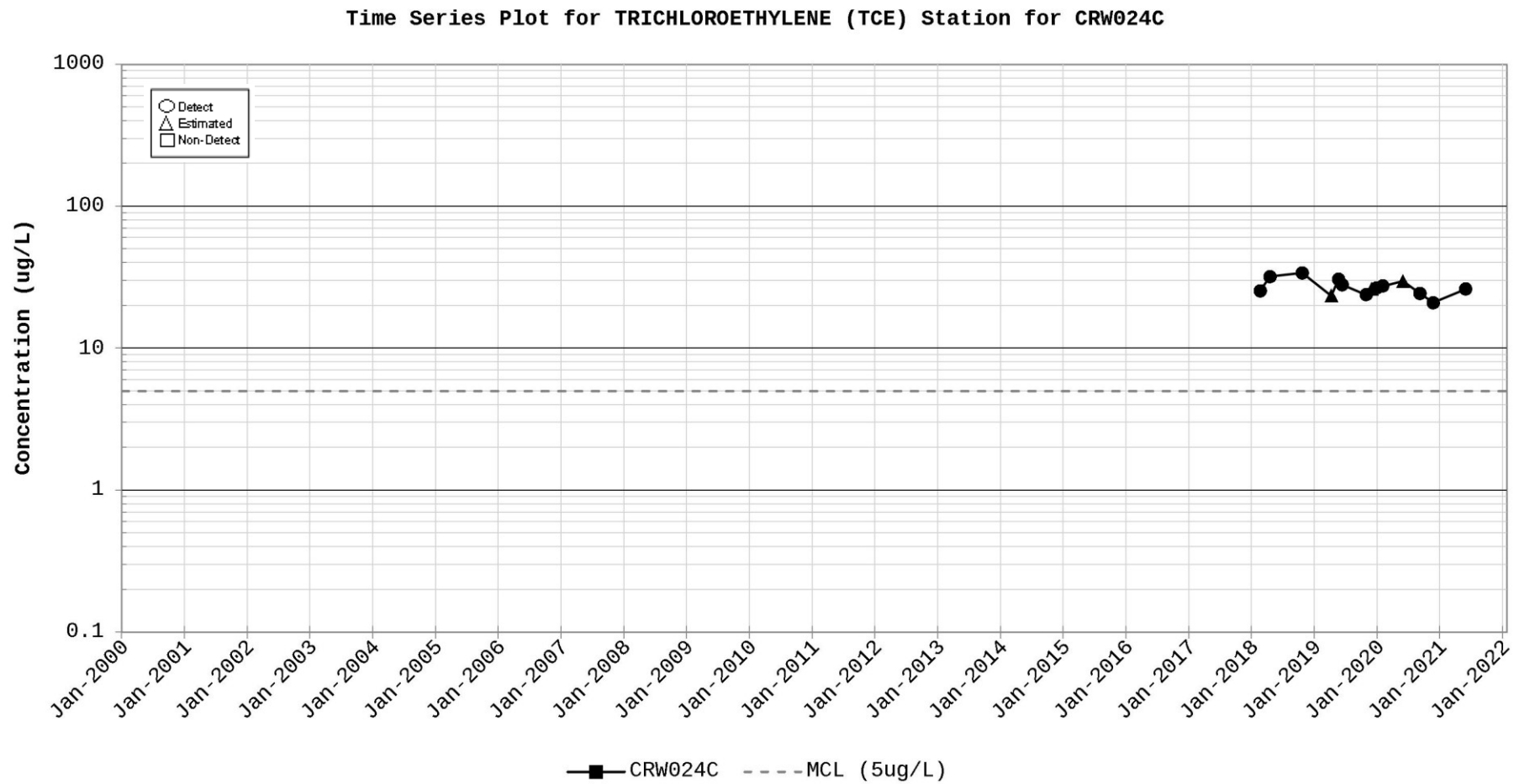


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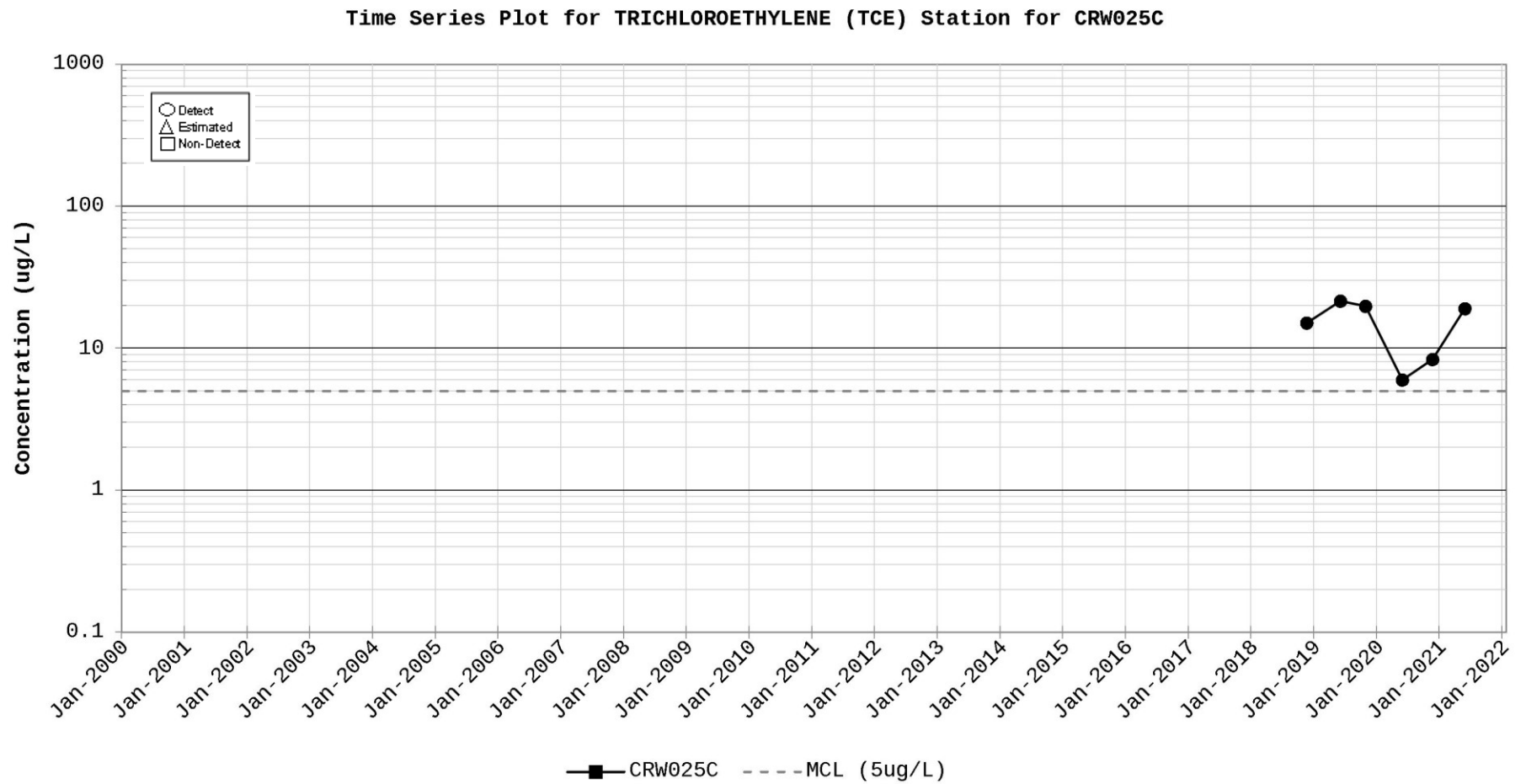


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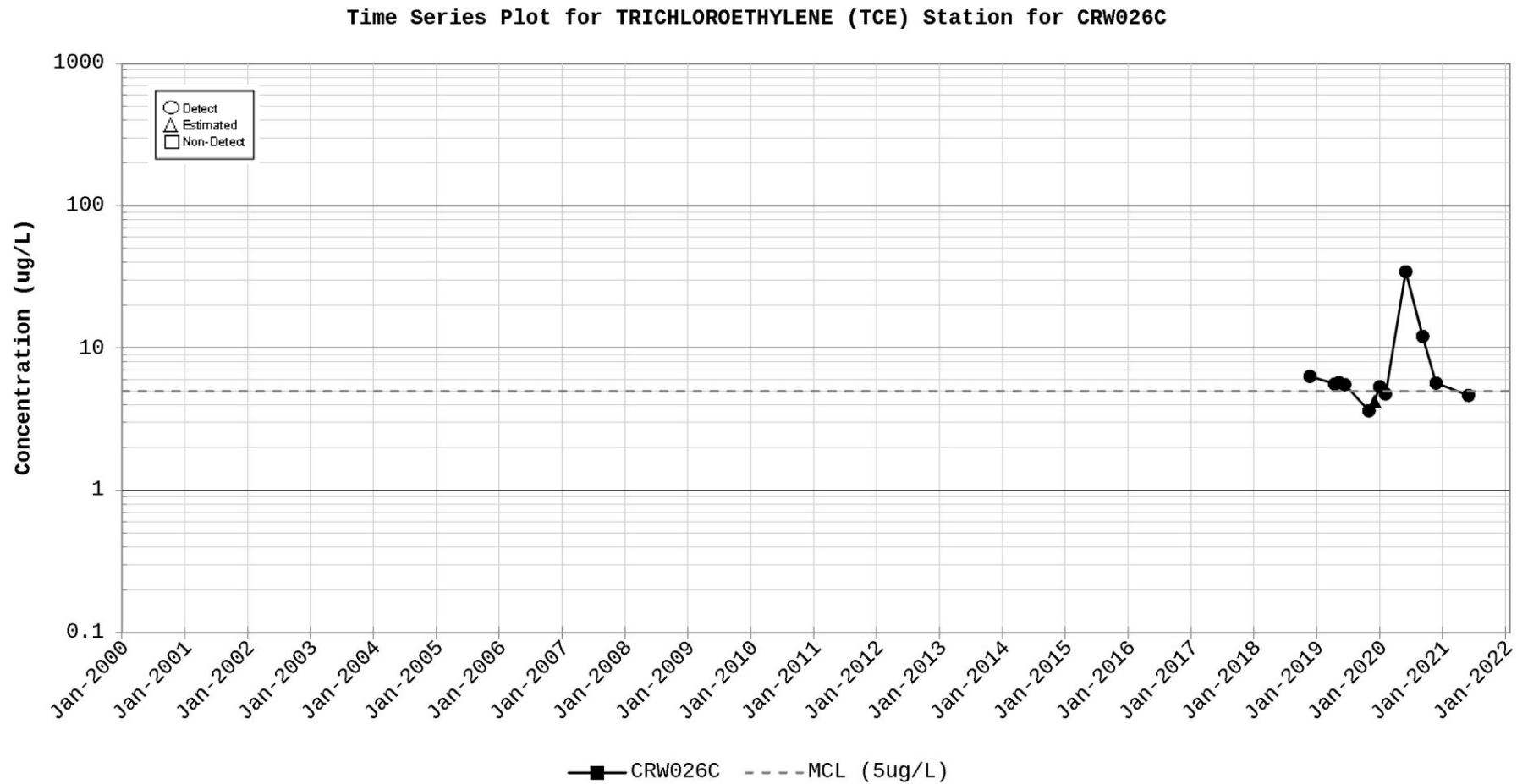


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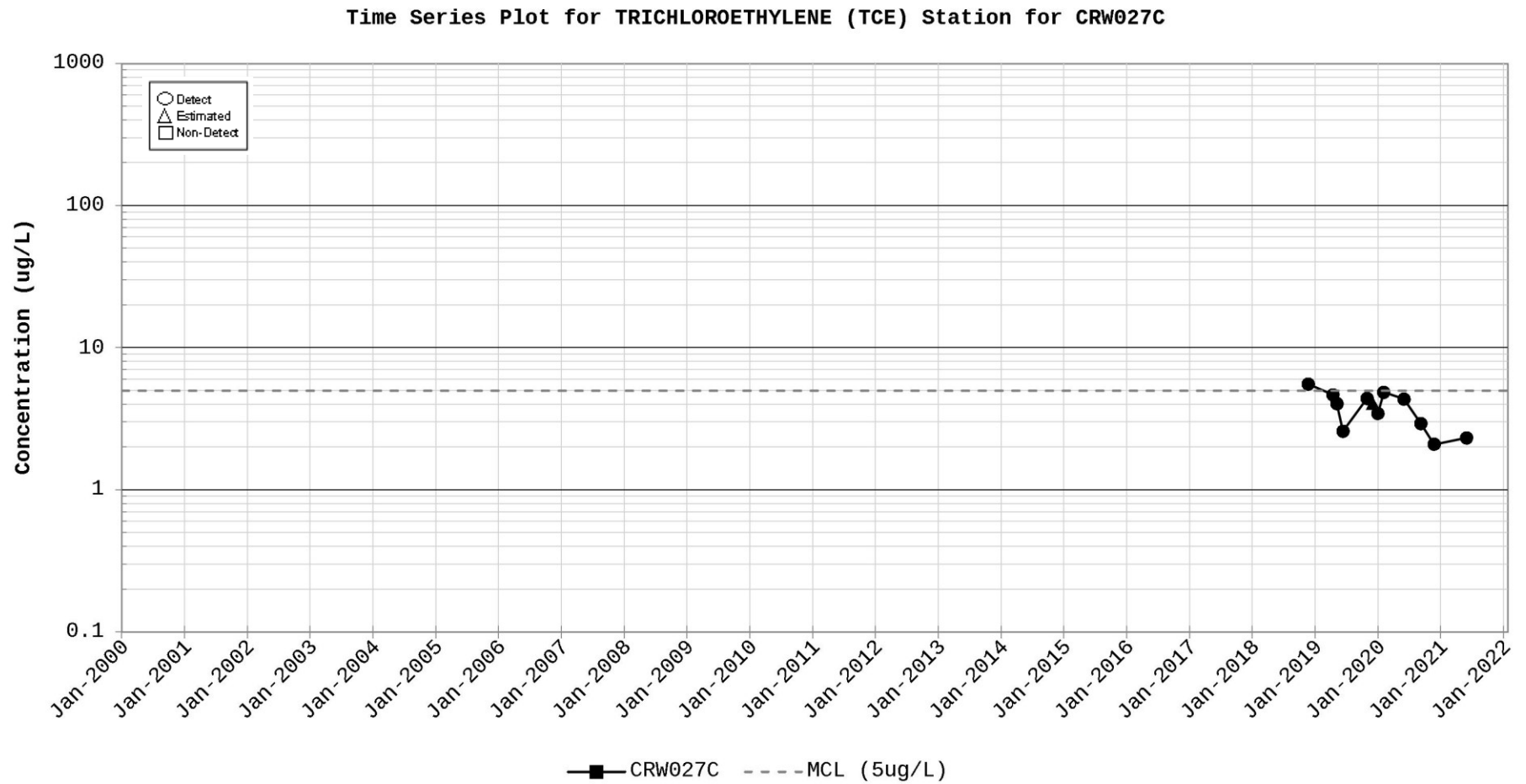


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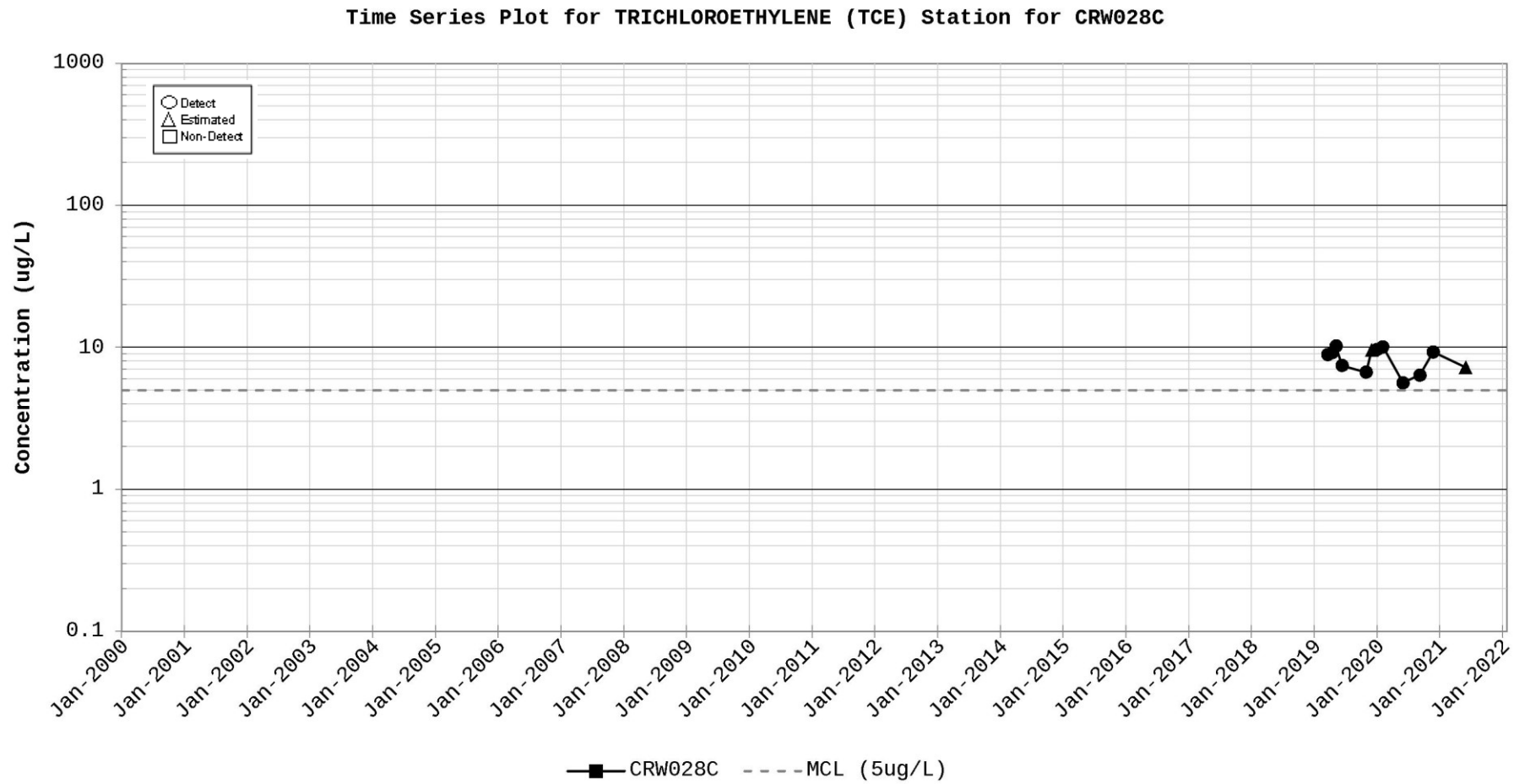


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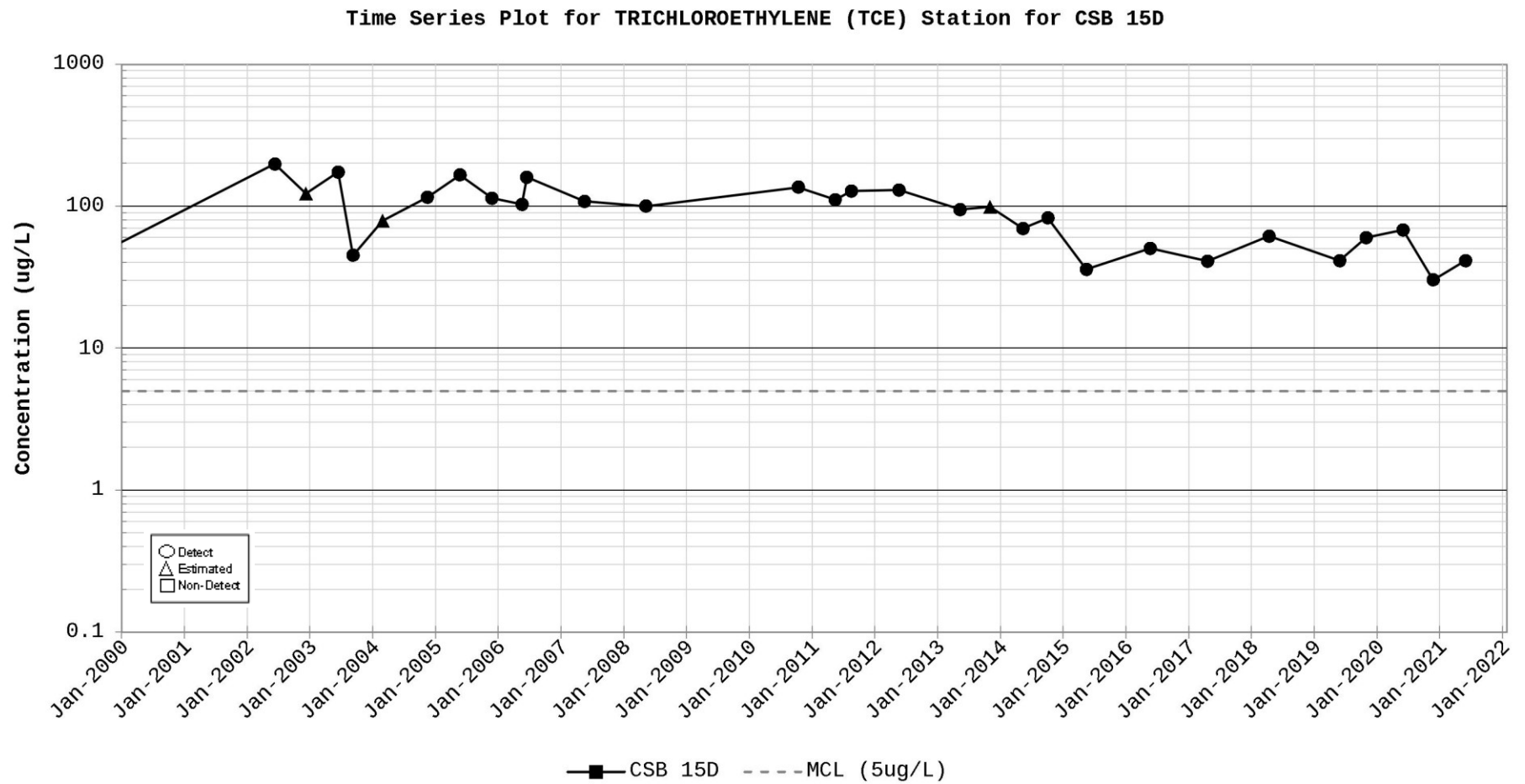


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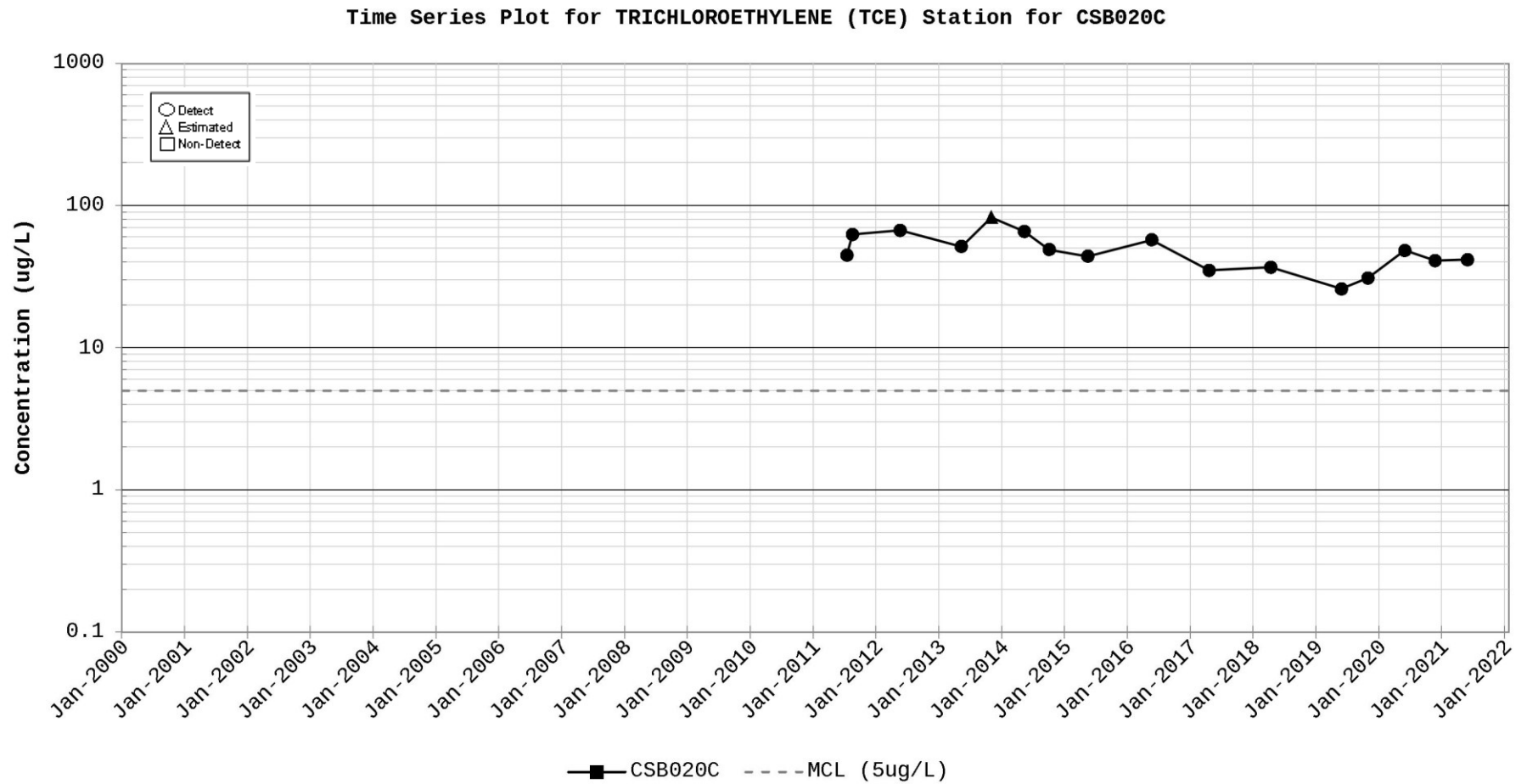


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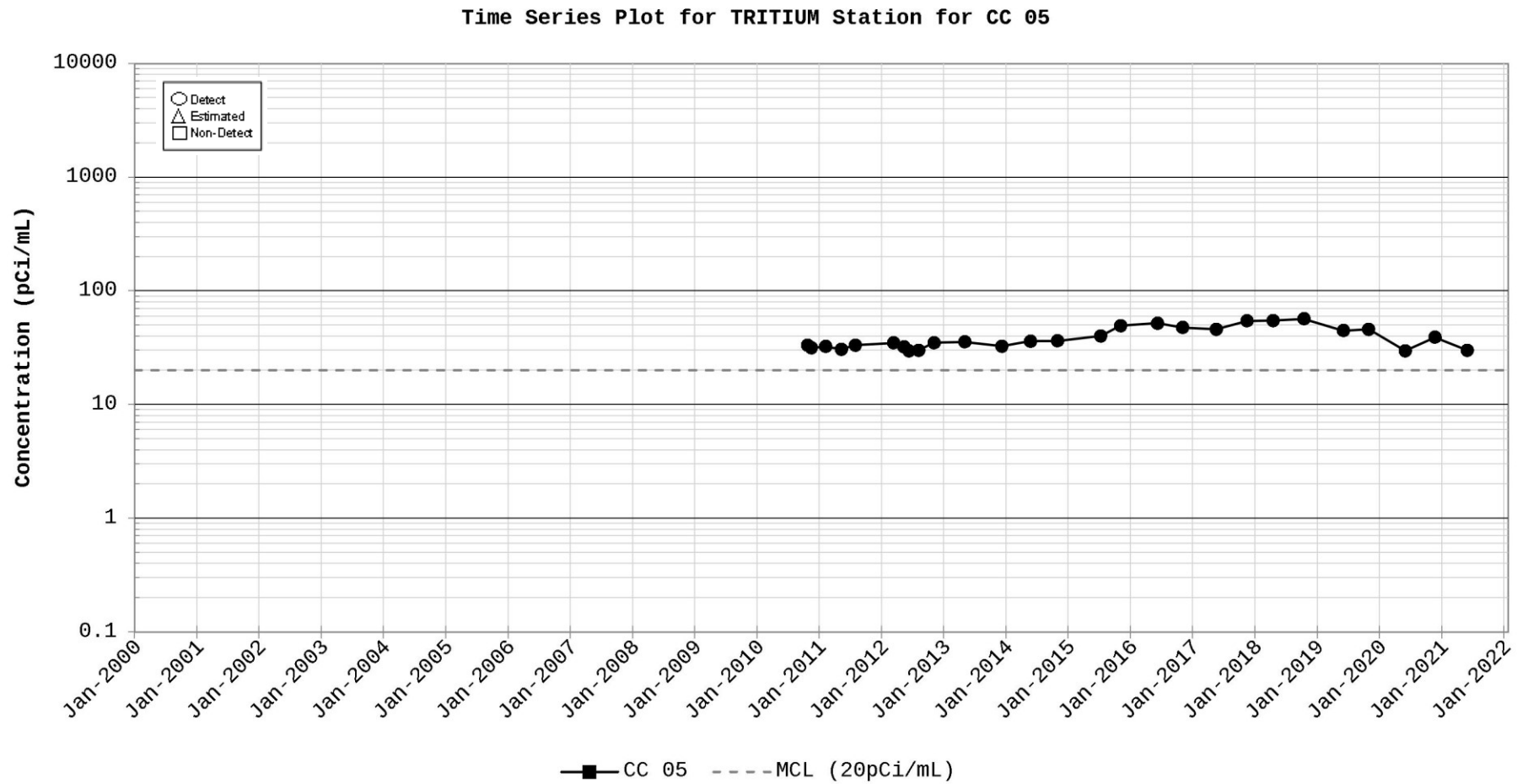


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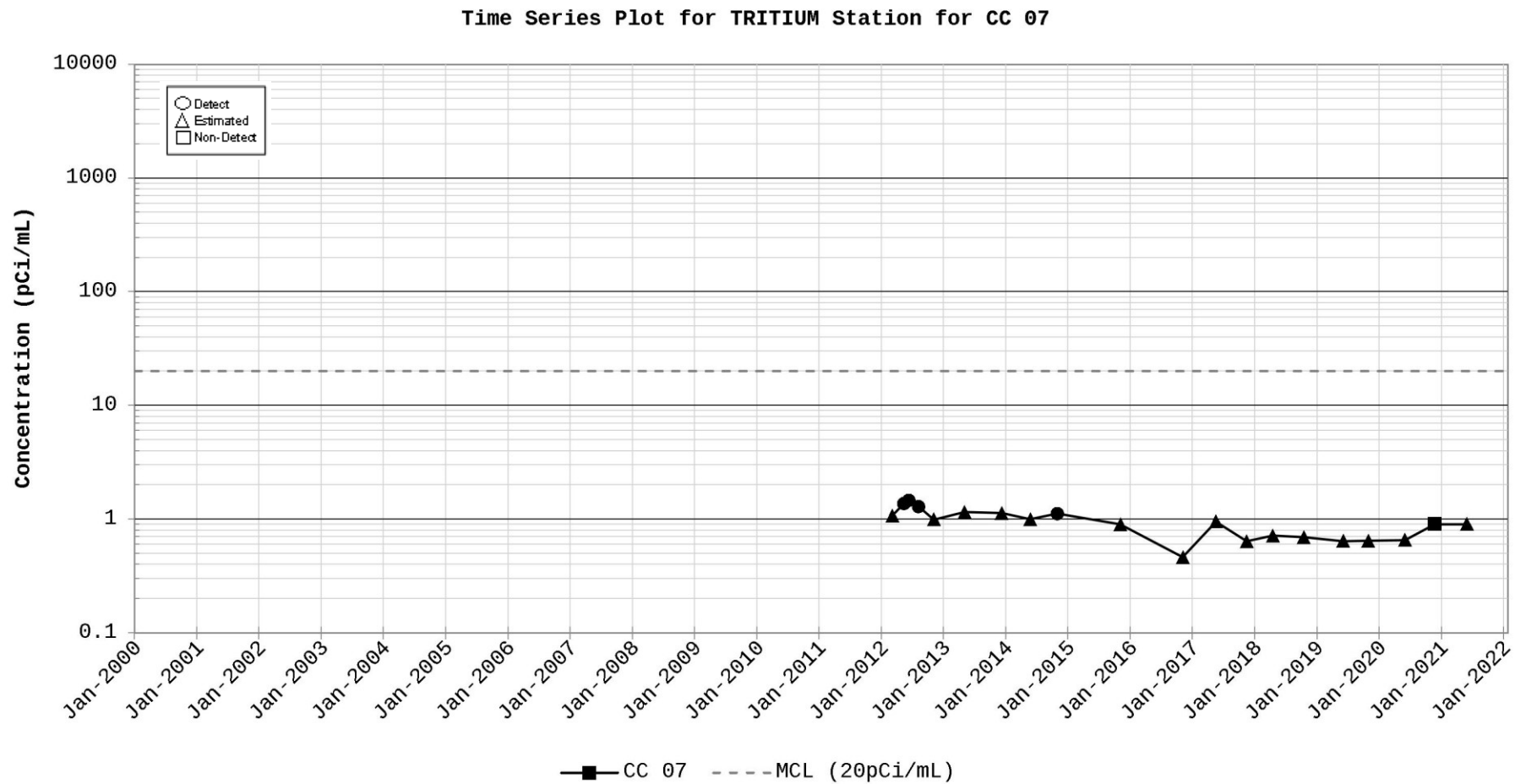


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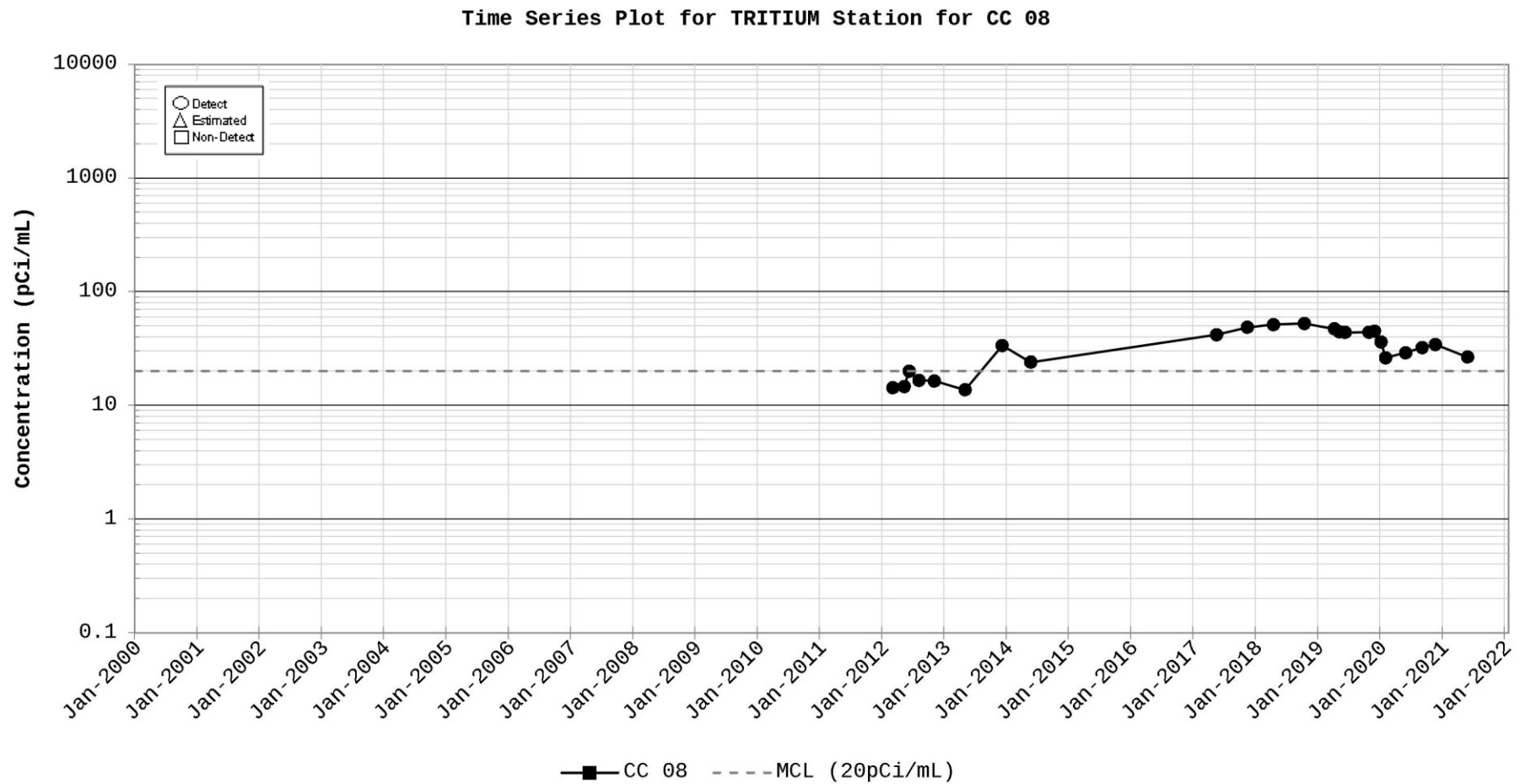


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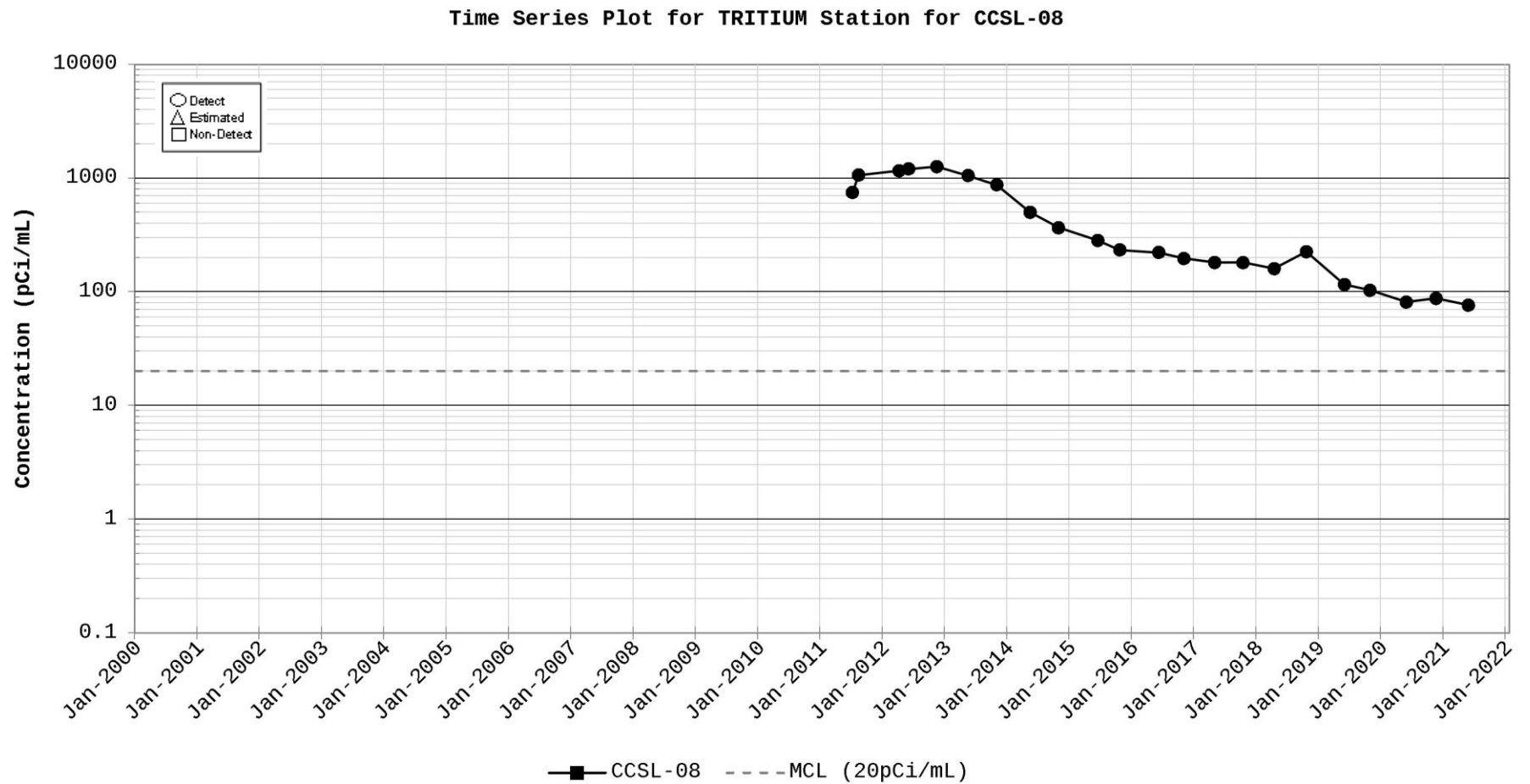


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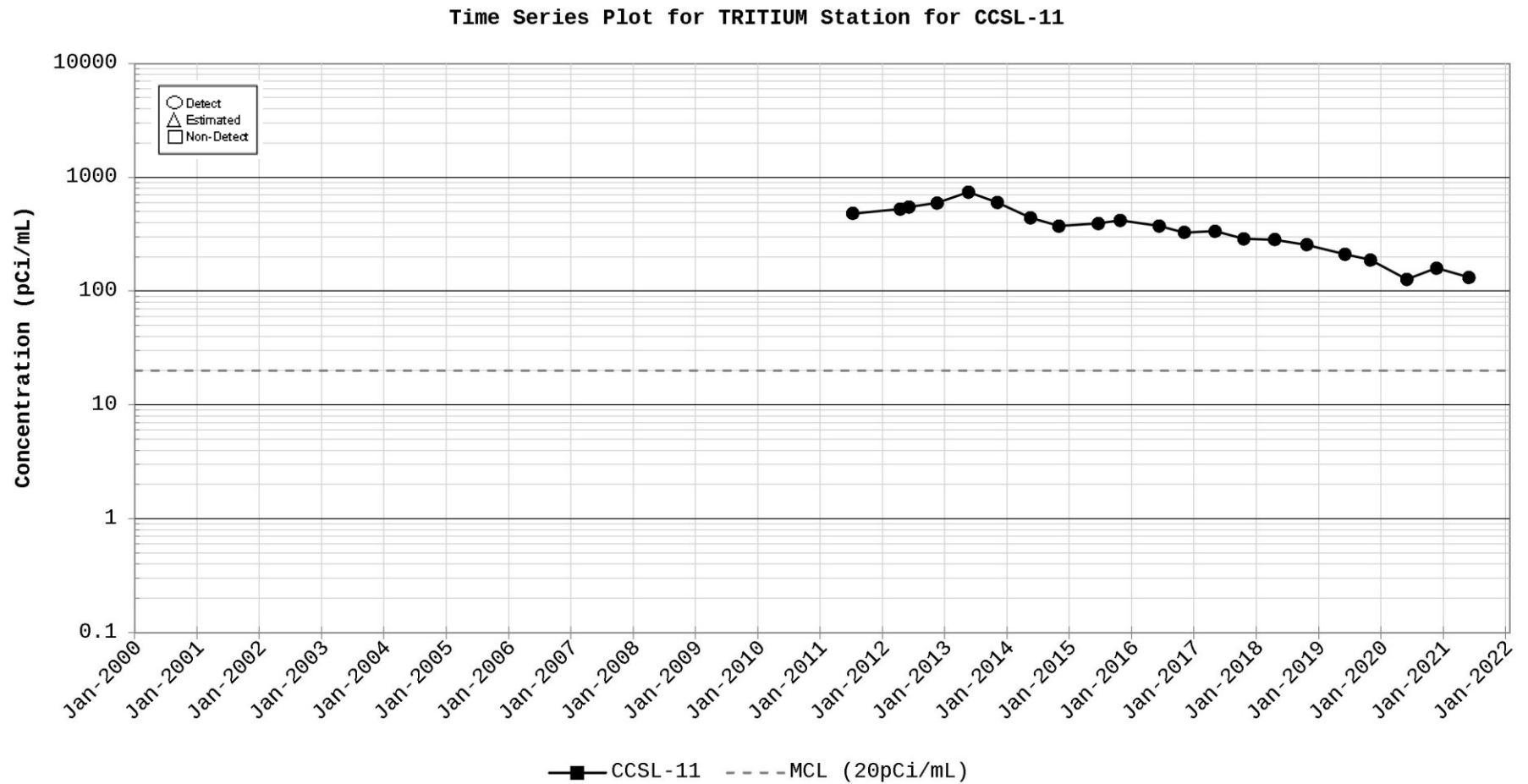


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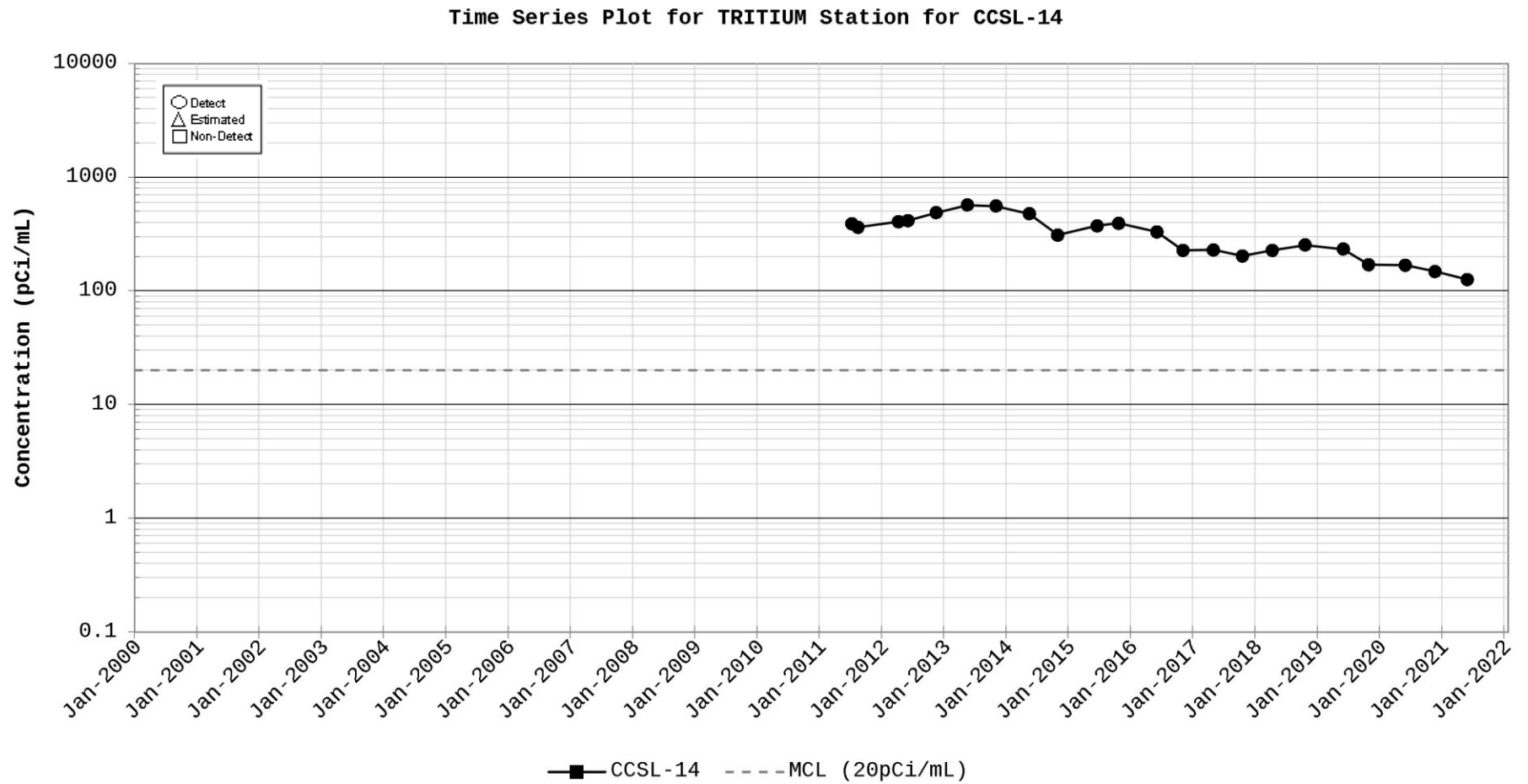


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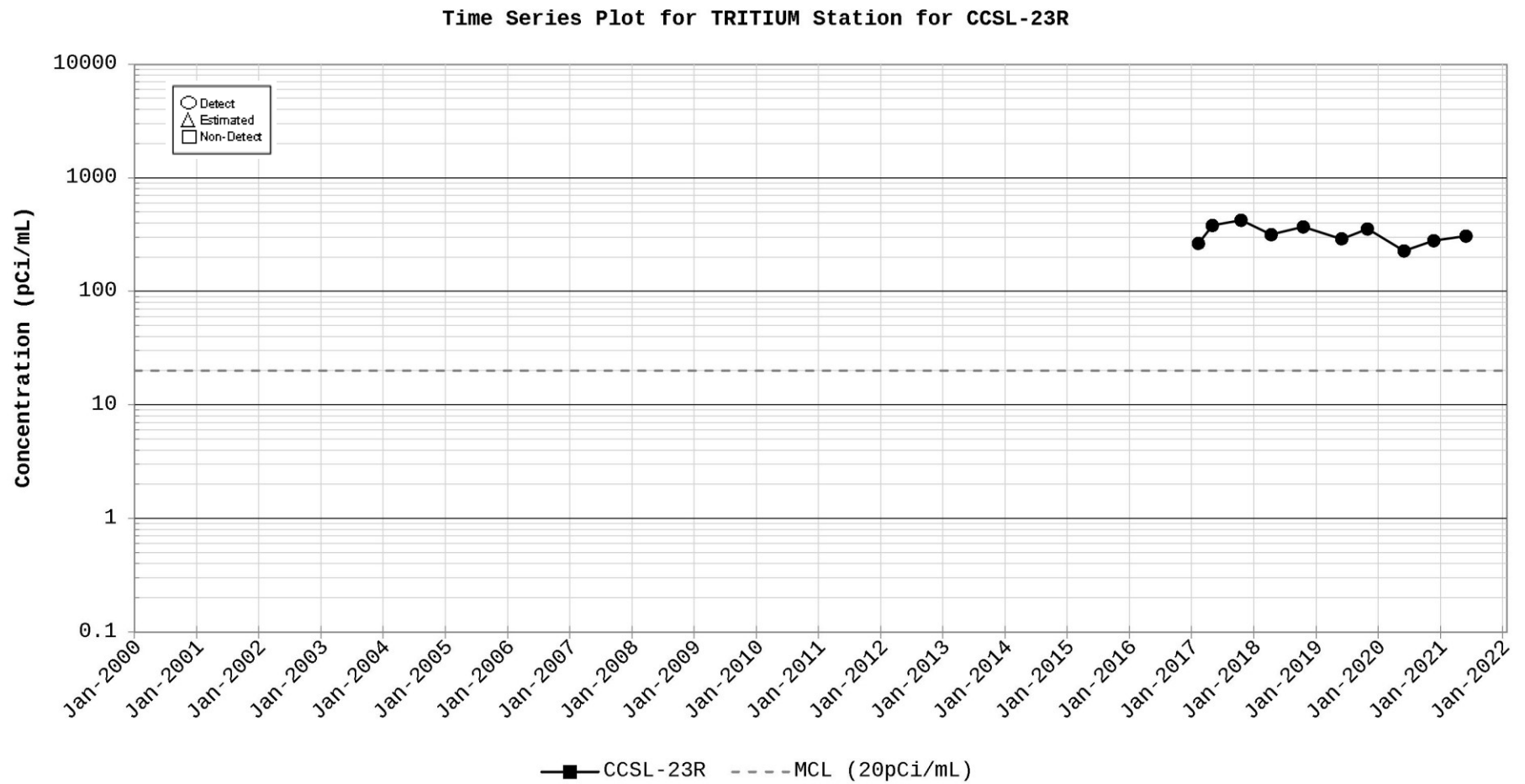


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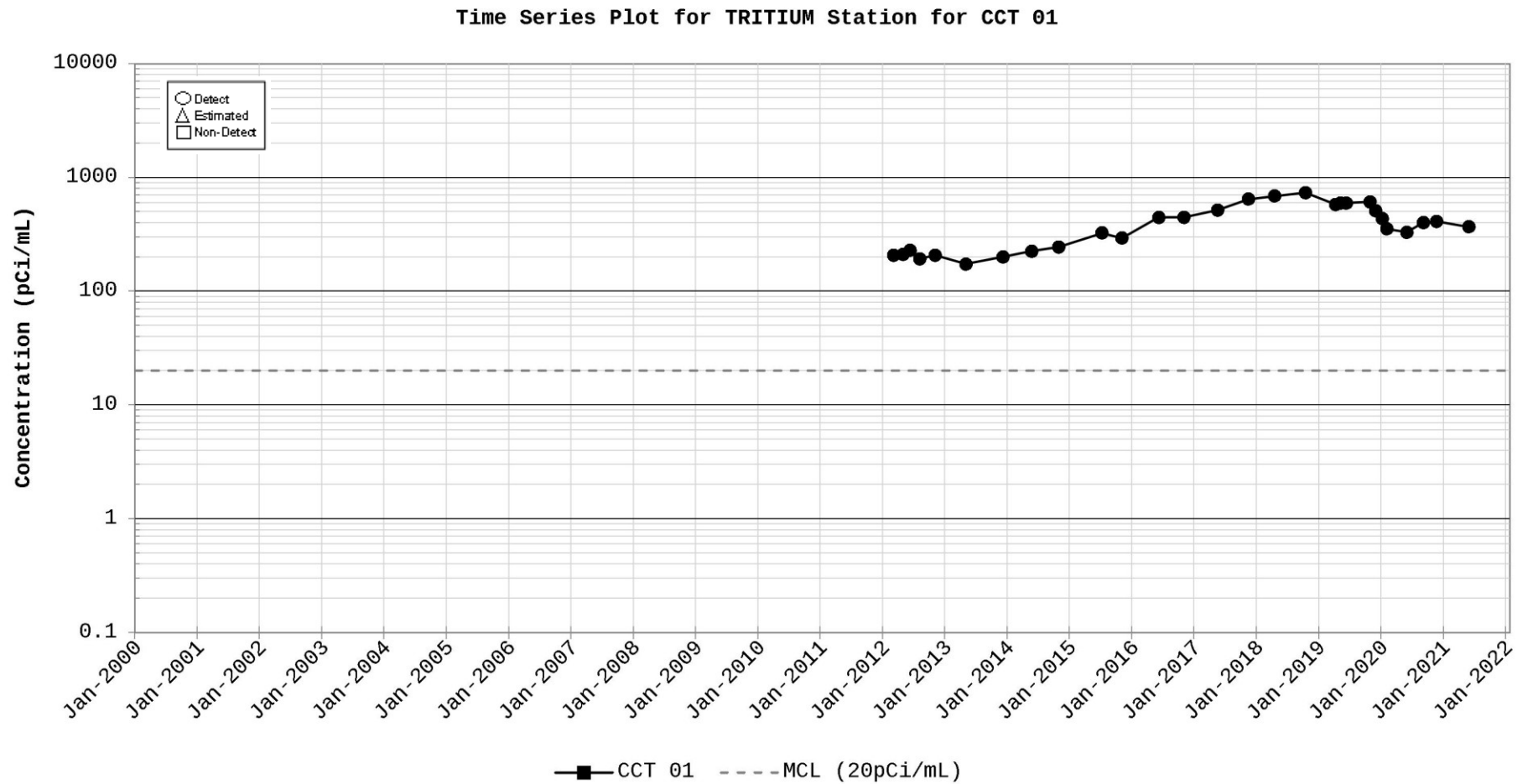


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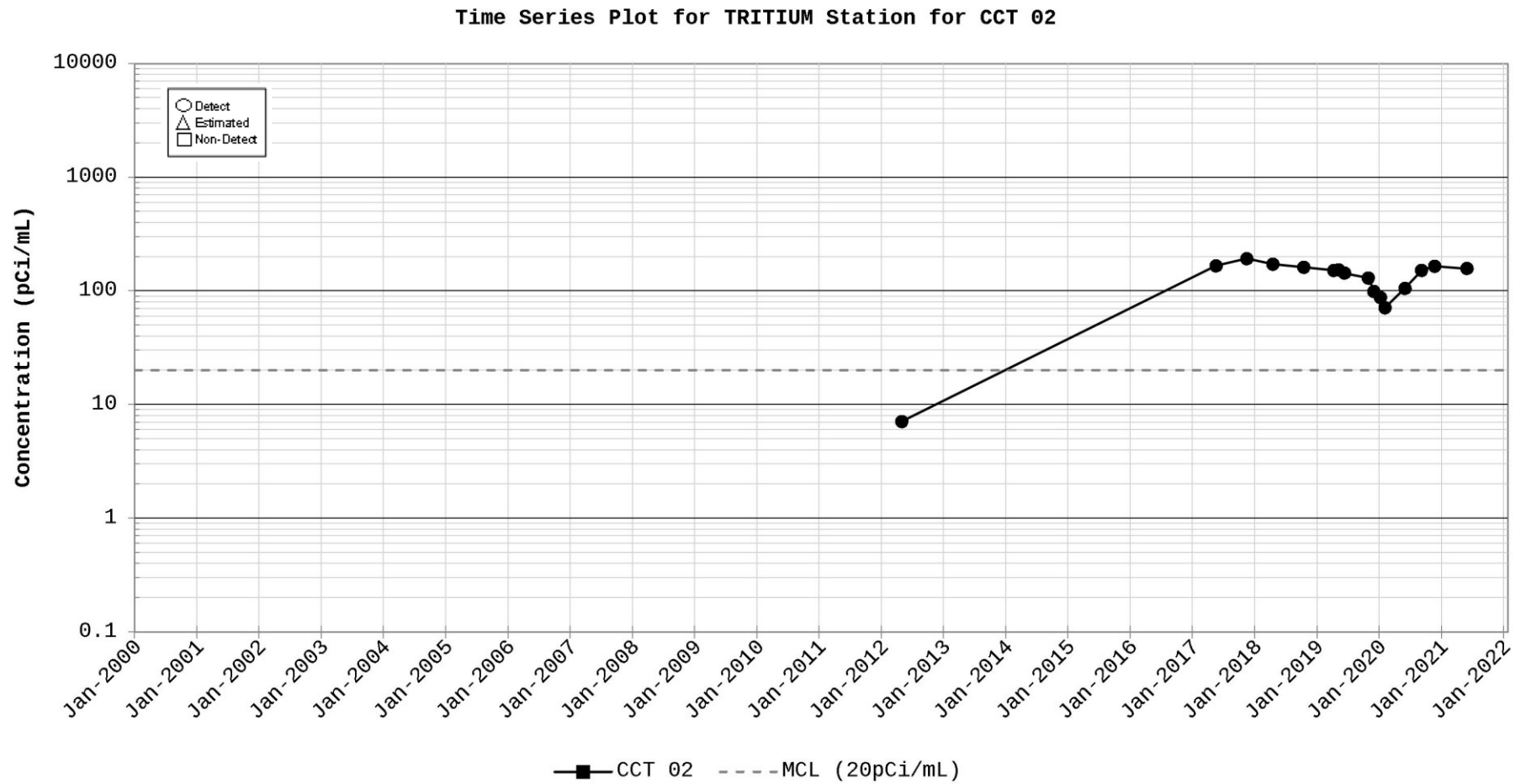


Figure C-118.

Time Series Plot for TRITIUM Station for CCT 03

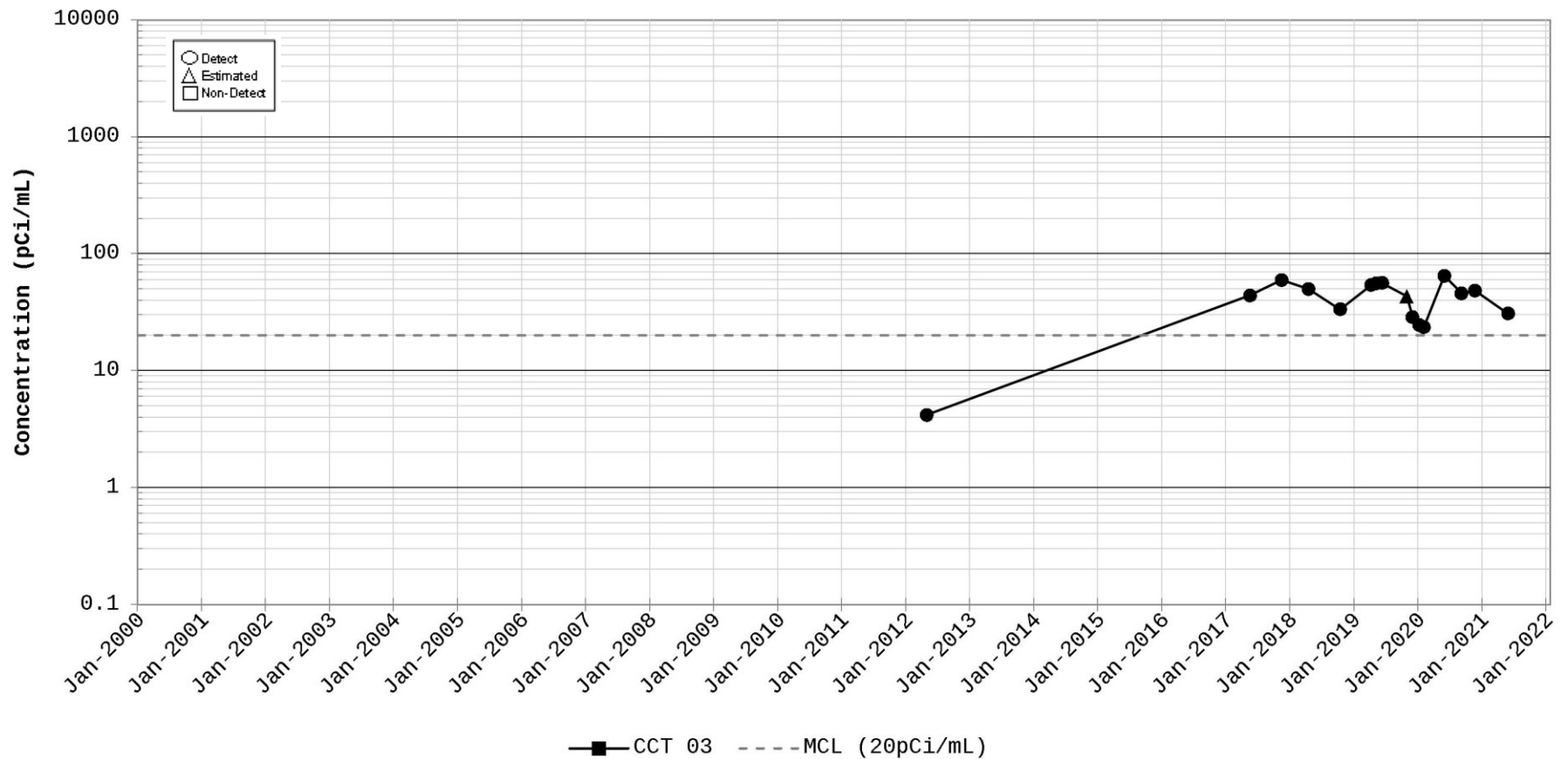


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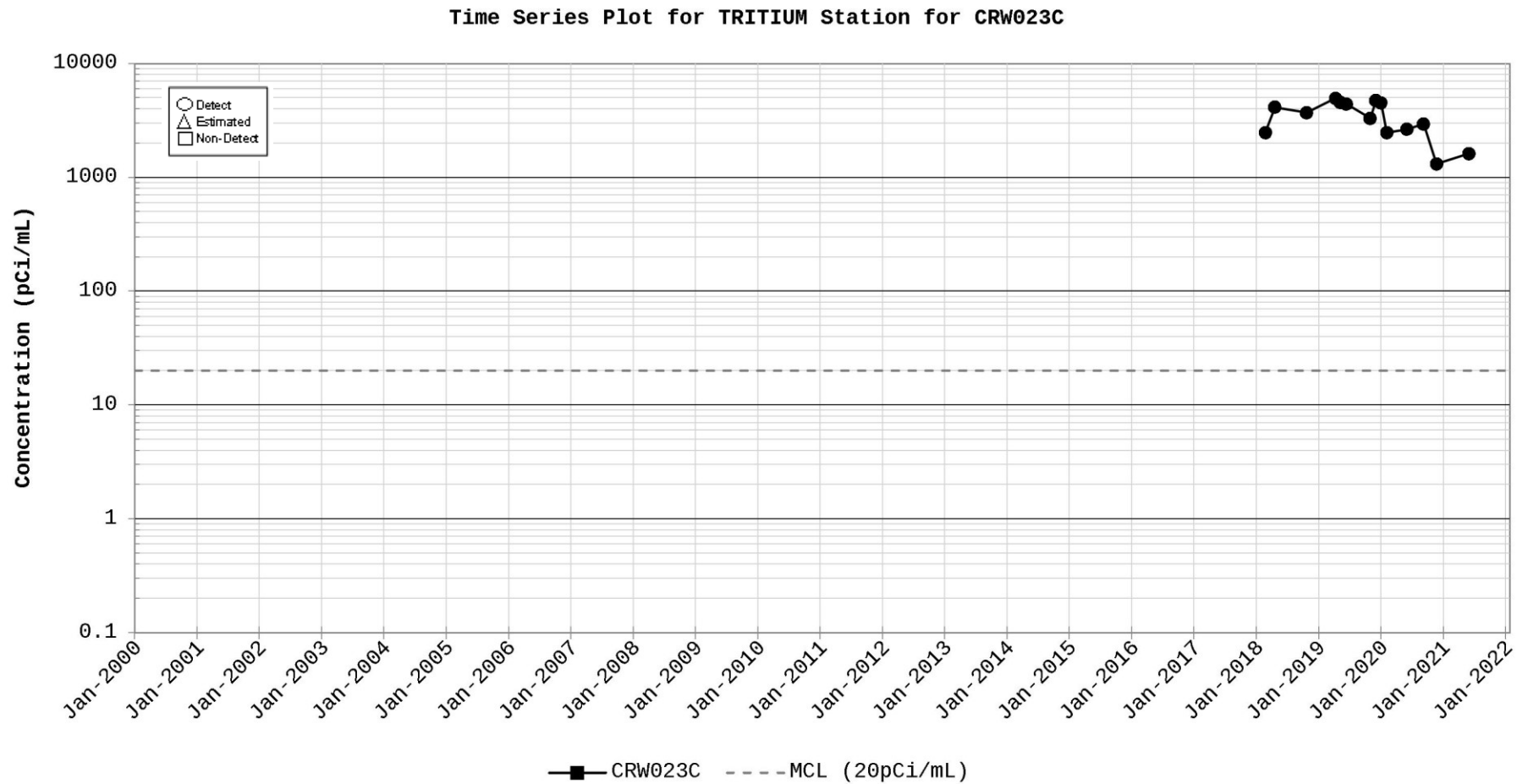


Figure C-120.

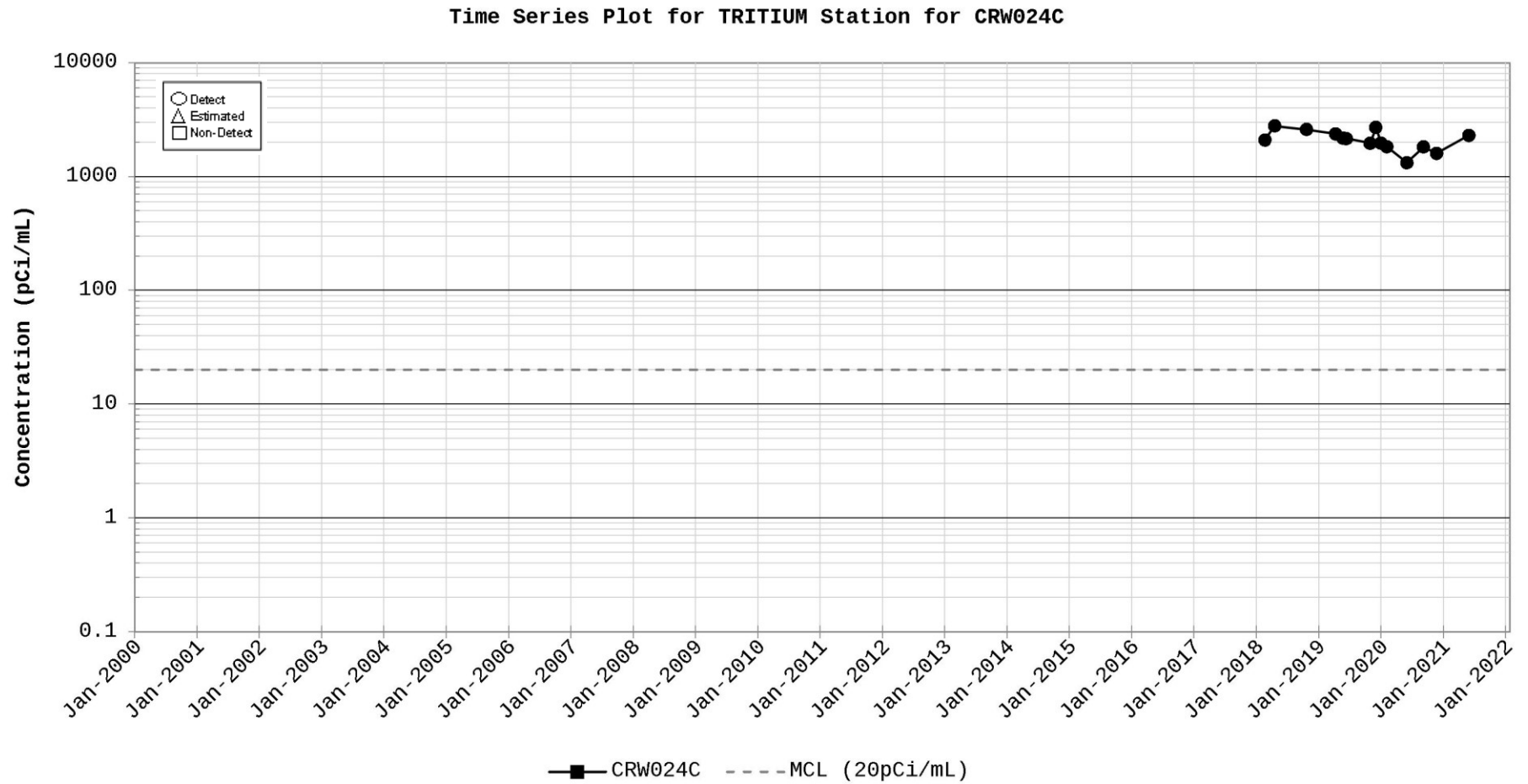


Figure C-121.

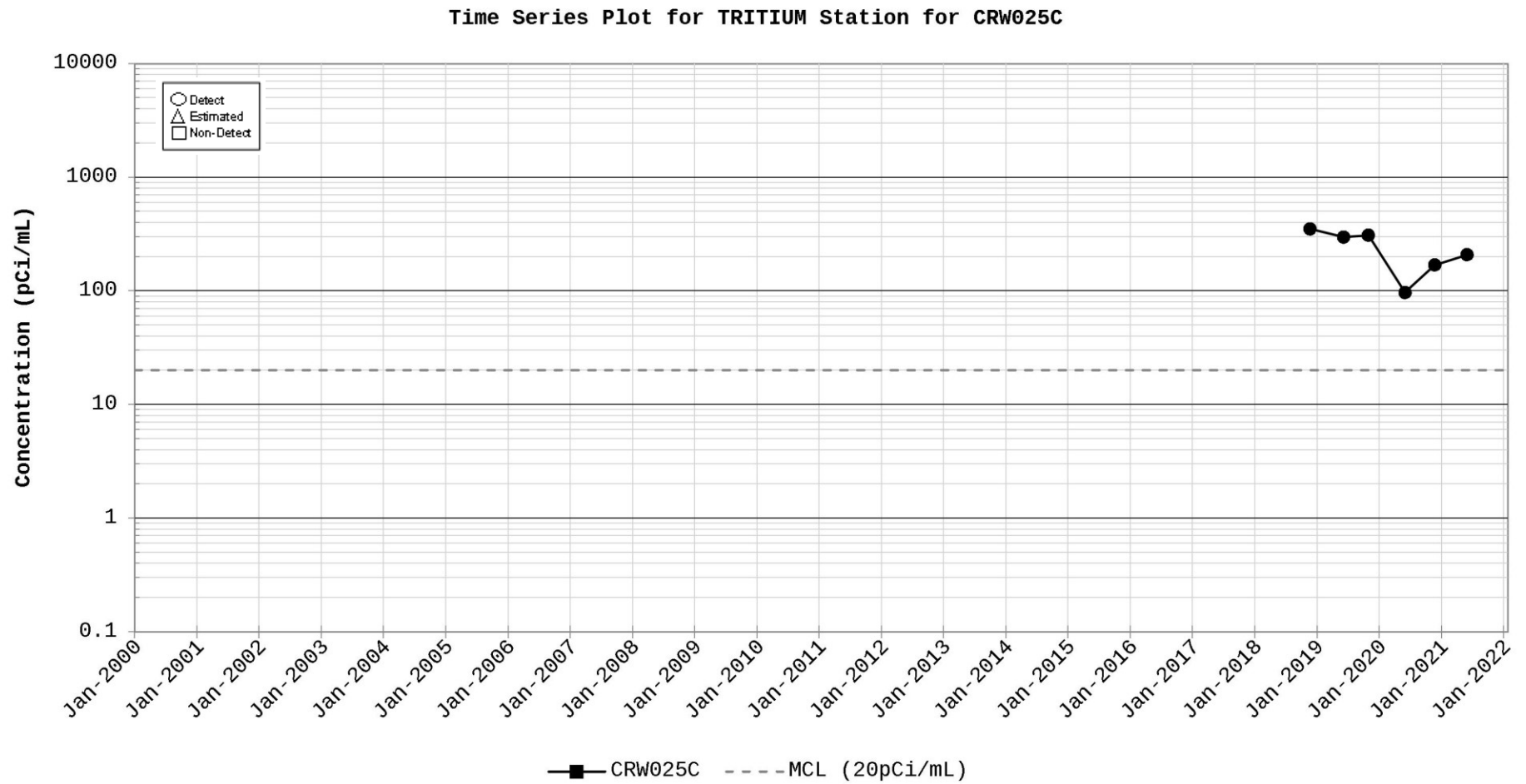


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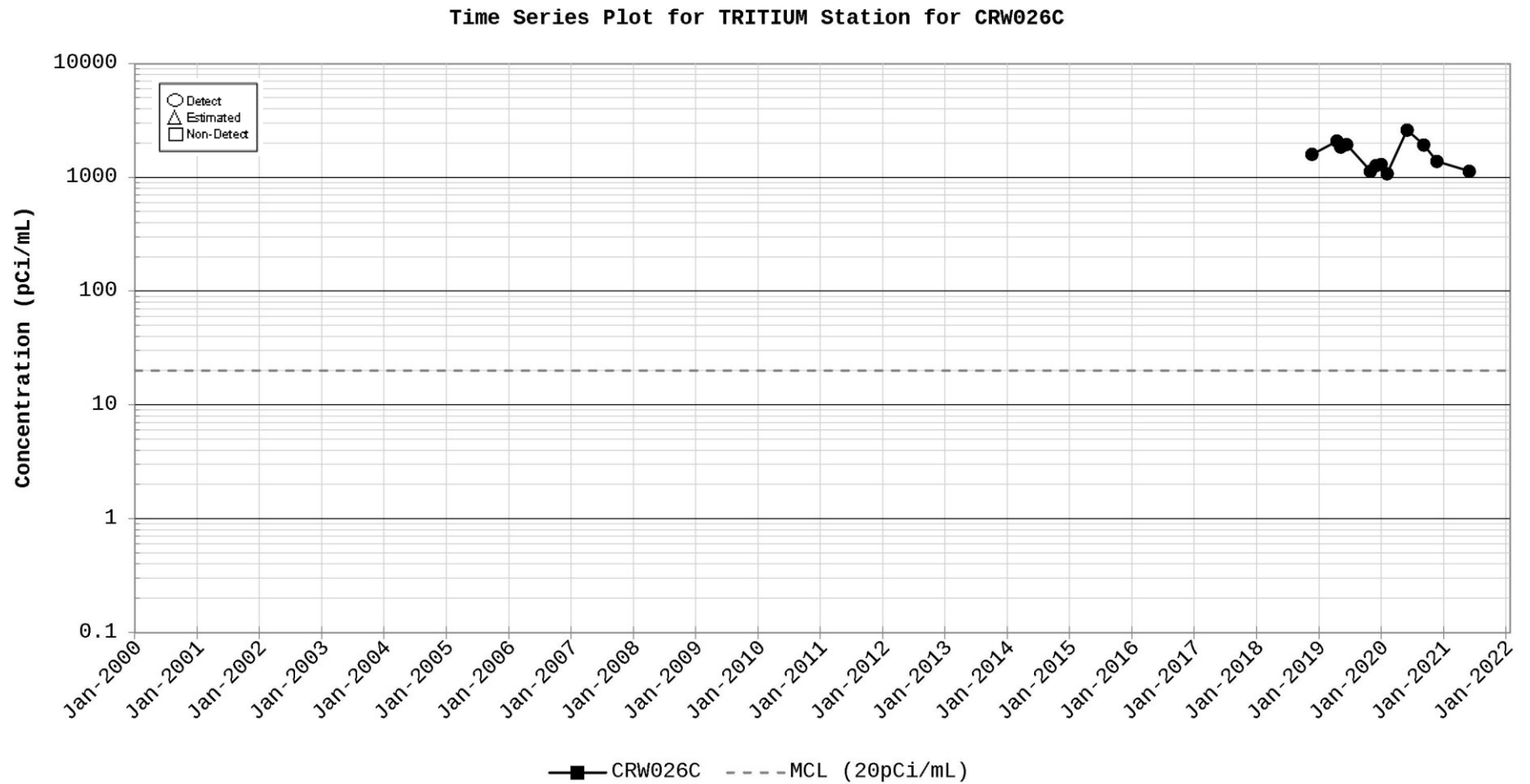


Figure C-123.

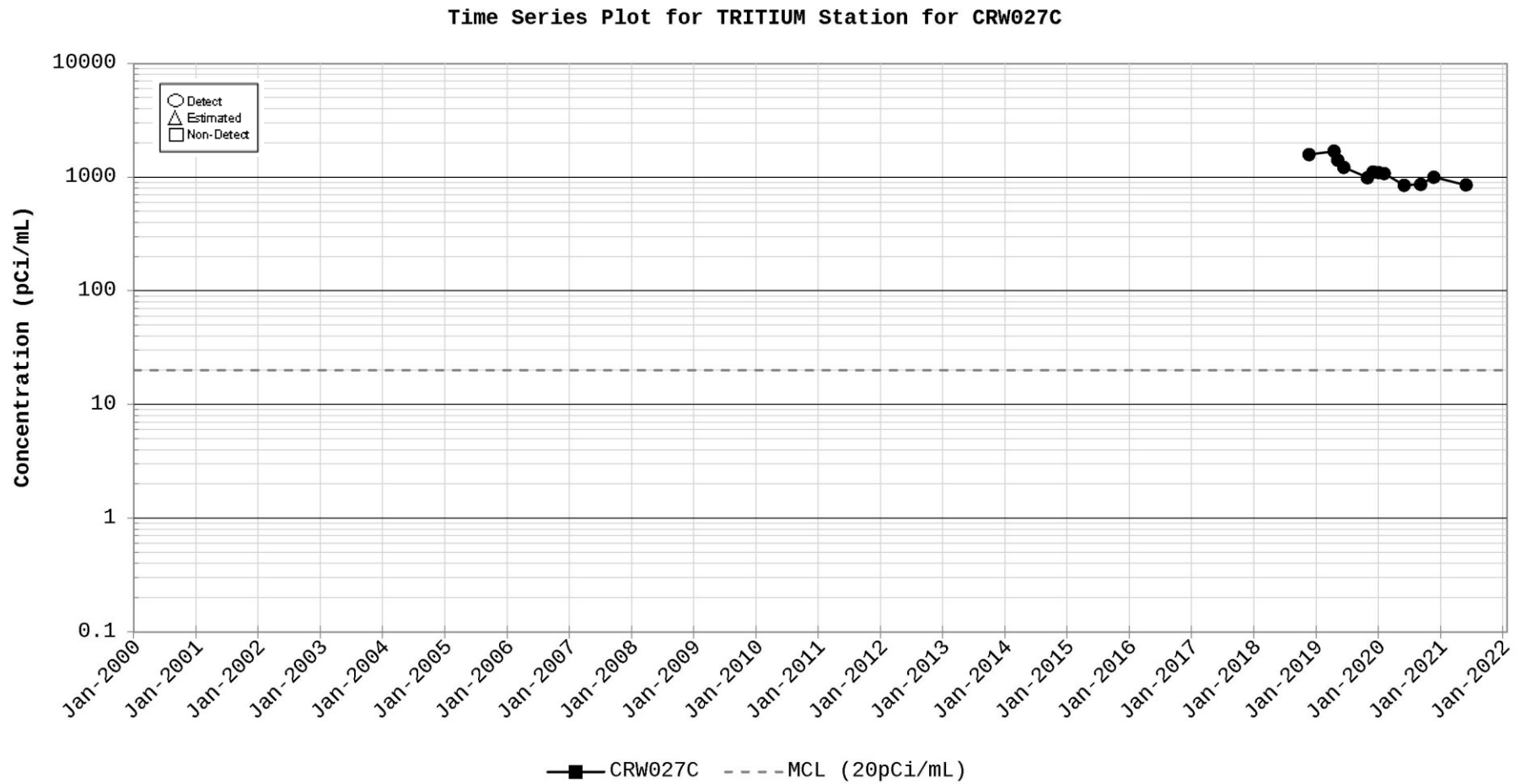


Figure C-124.

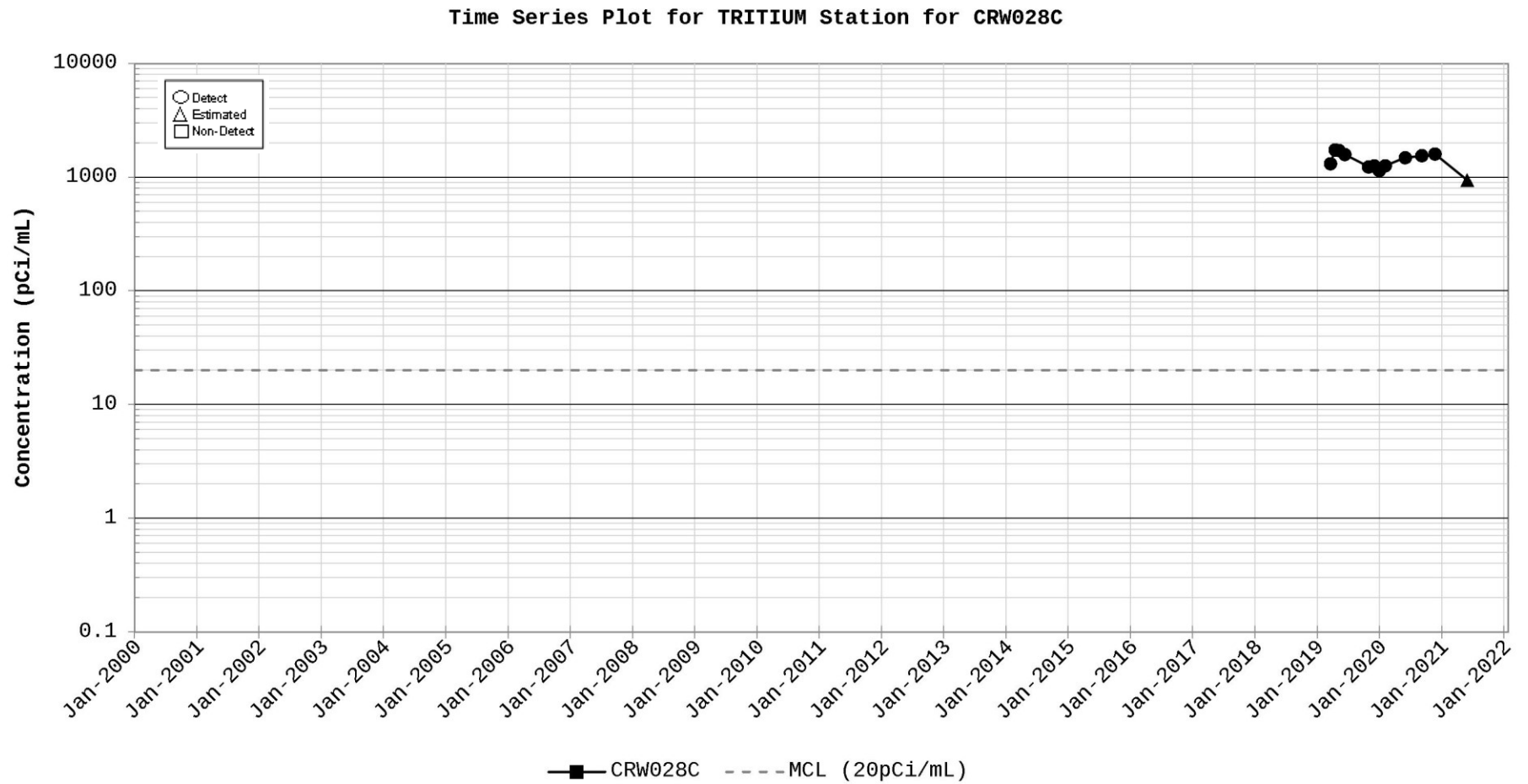


Figure C-125.

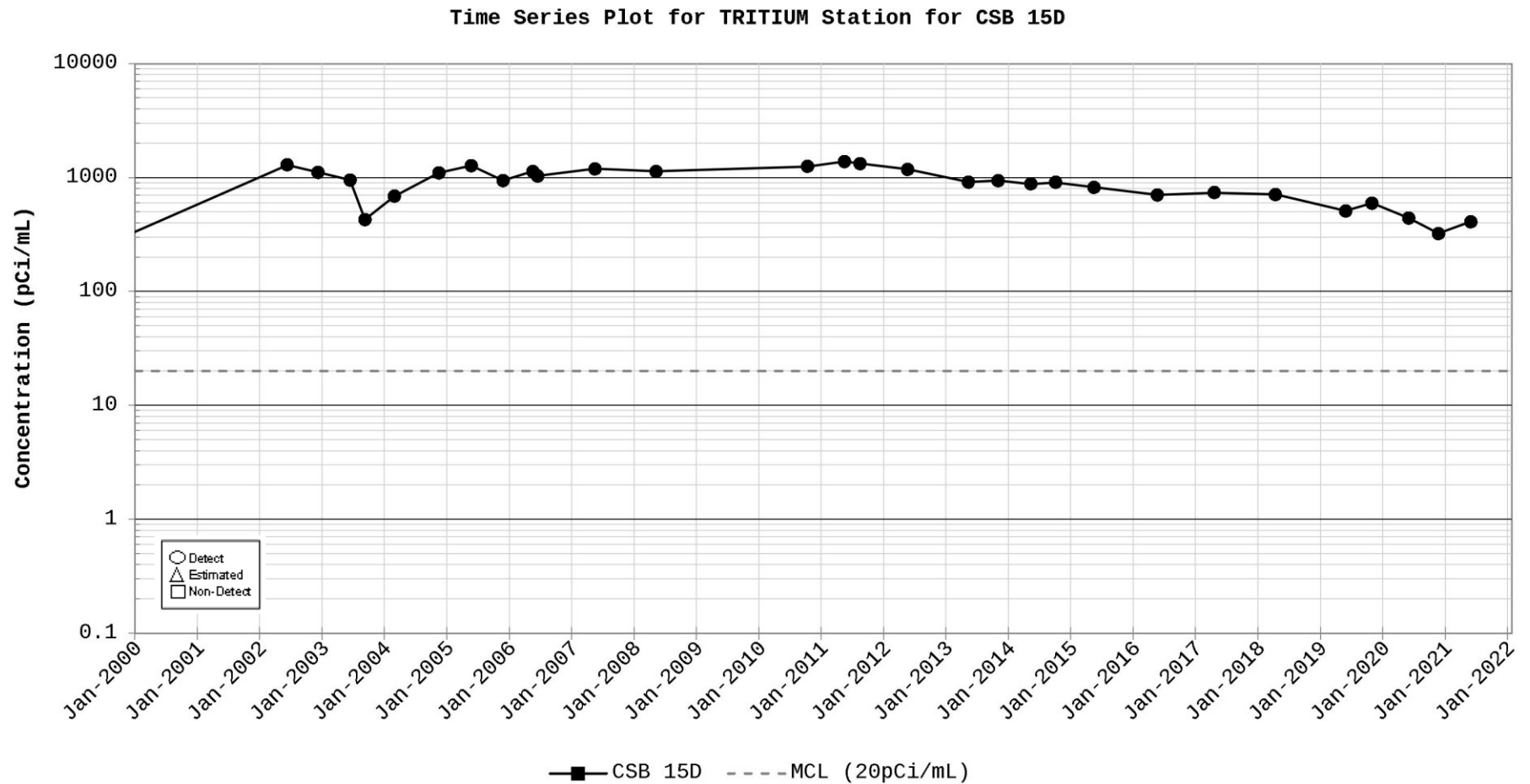
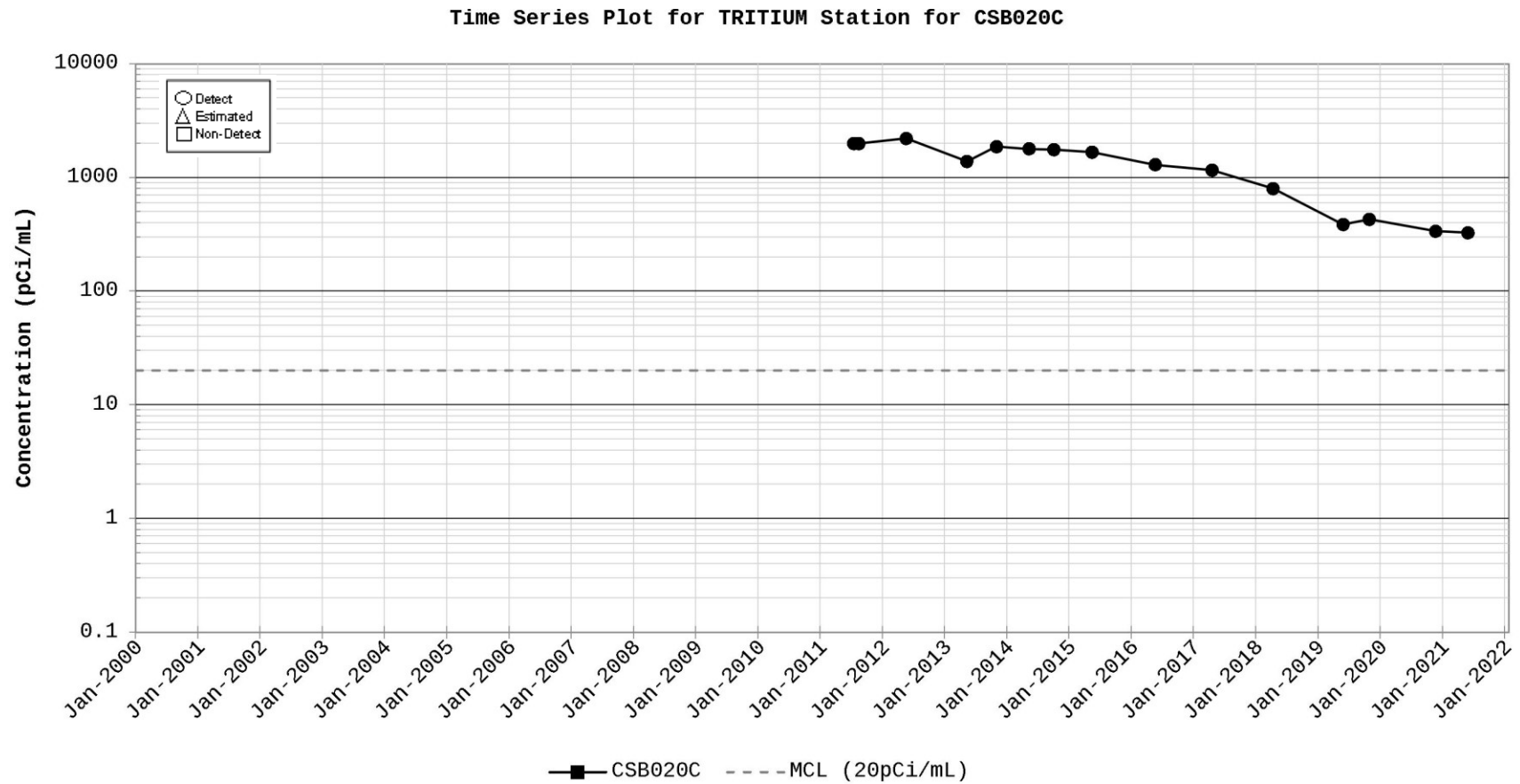


Figure C-126.



APPENDIX D

TCE Plume Maps

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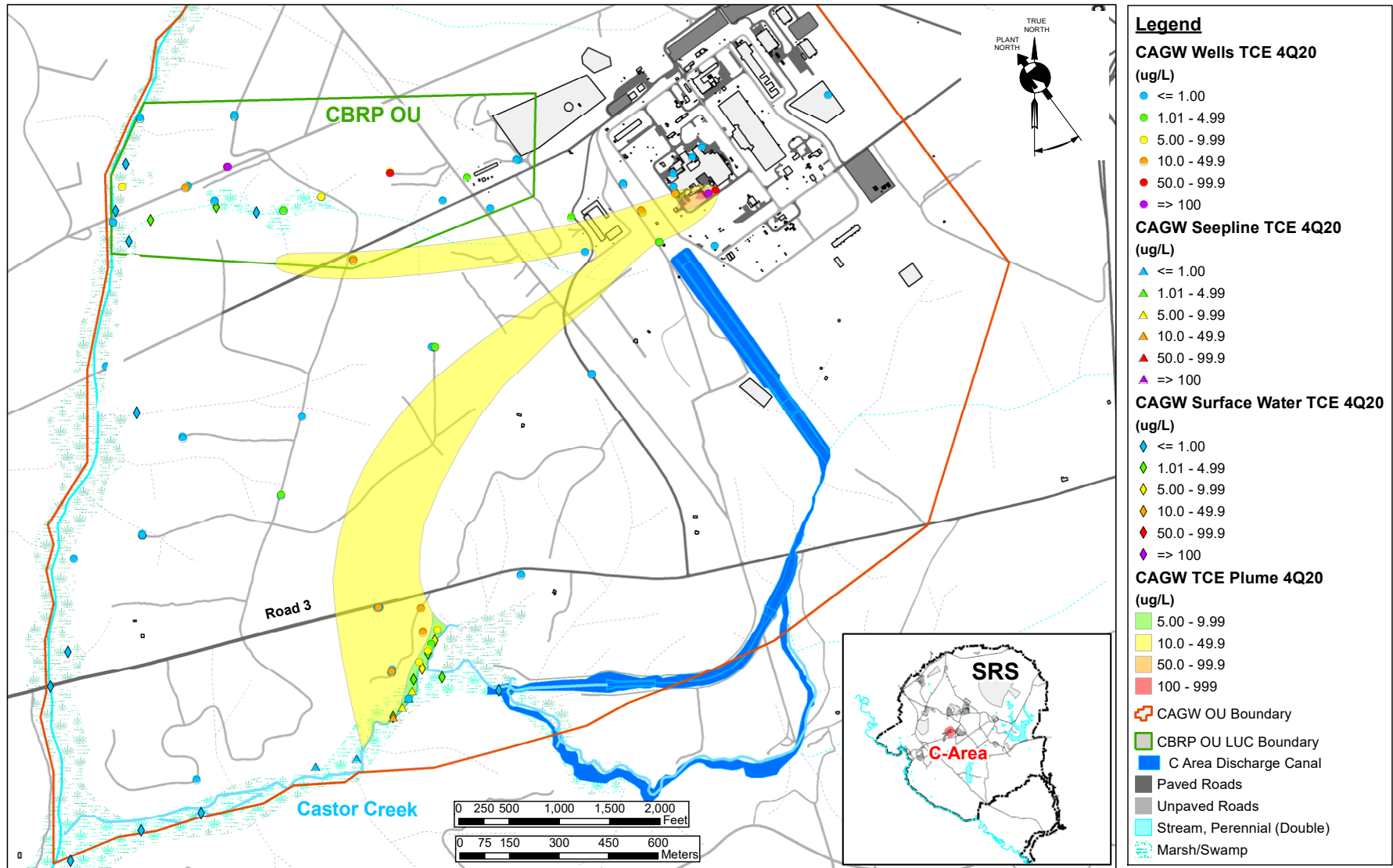
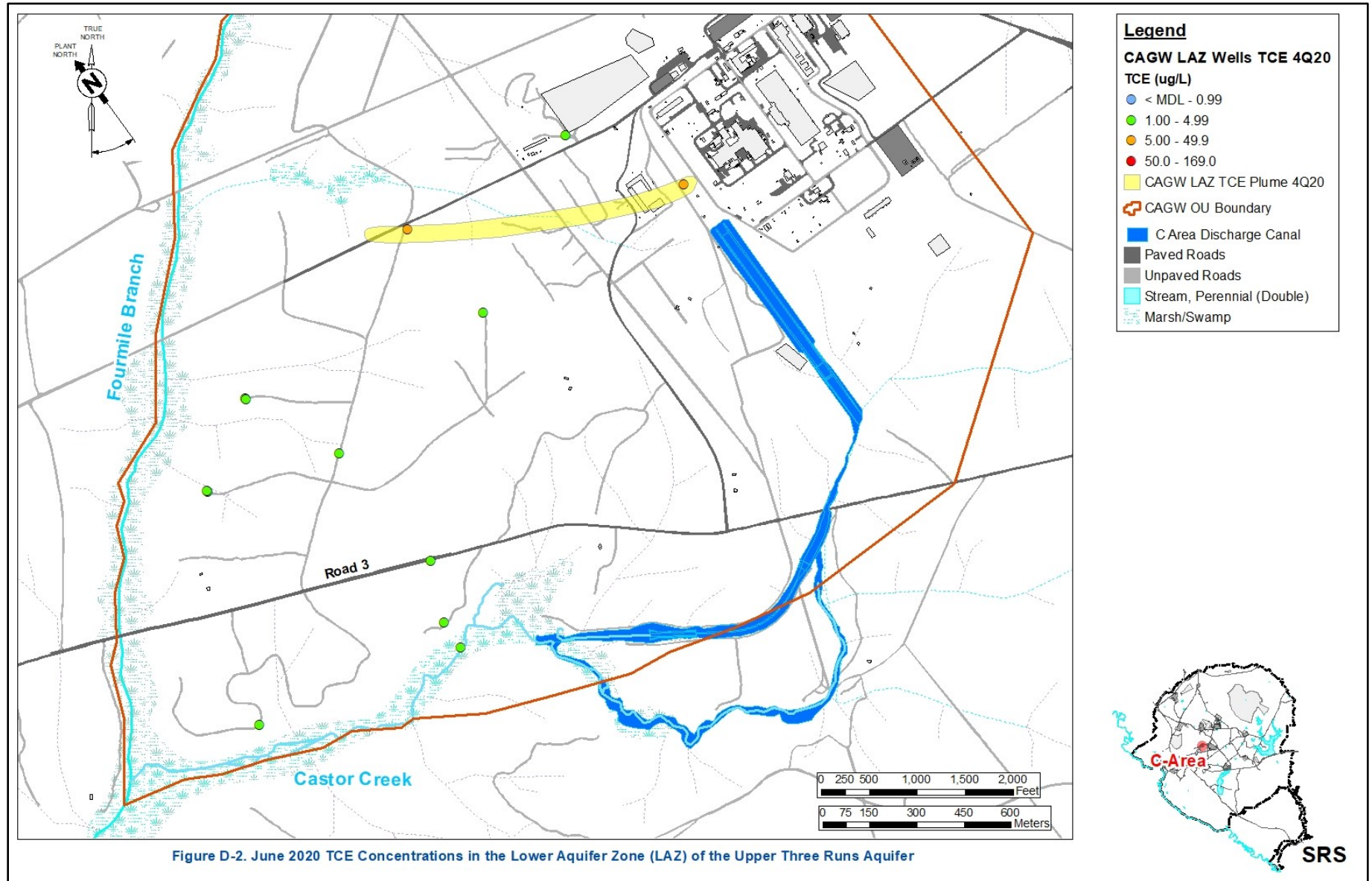


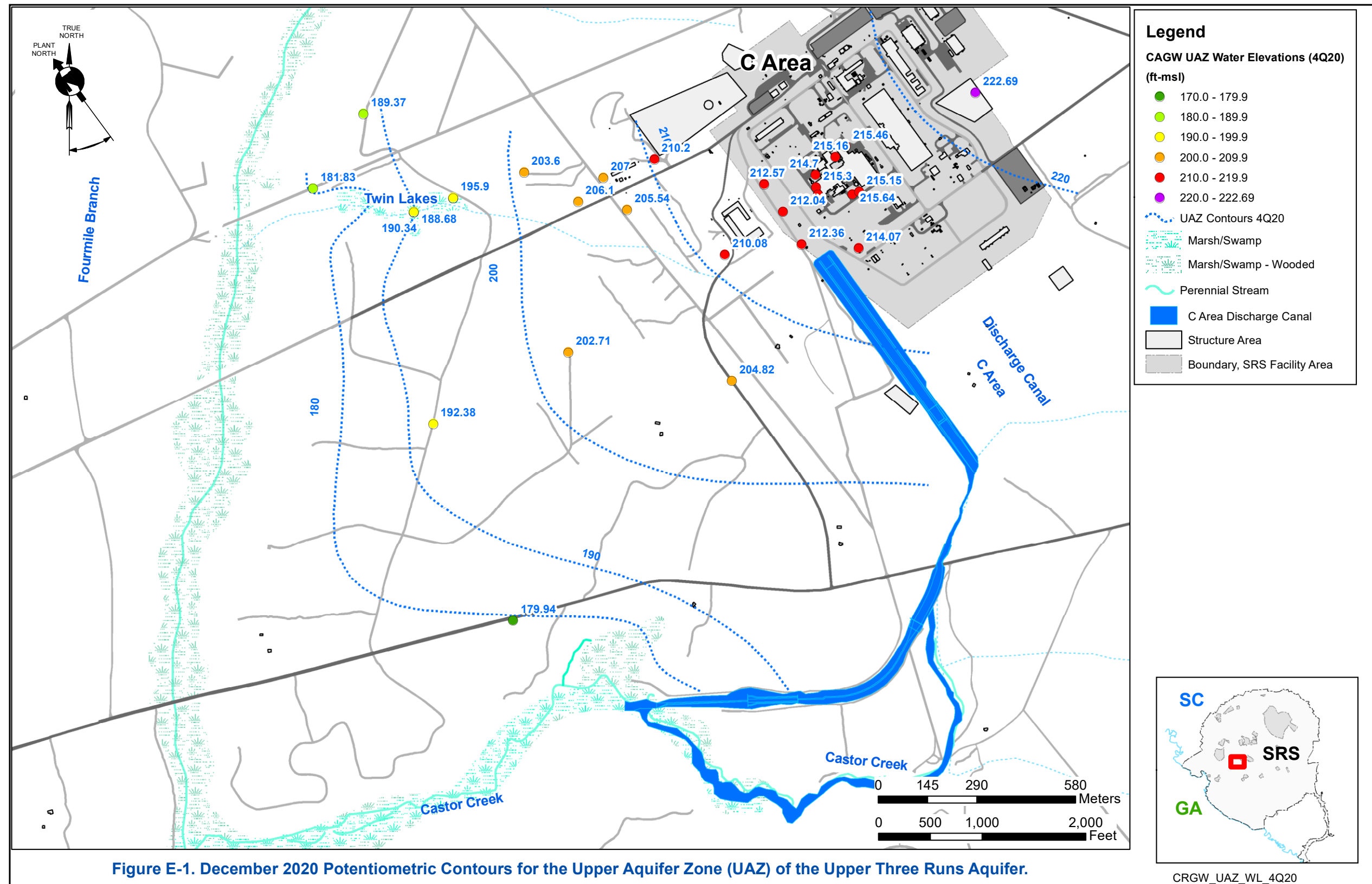
Figure D-1. December 2020 TCE Concentrations in the Upper Aquifer Zone (UAZ) and Middle Aquifer Zone (MAZ) of the Upper Three Runs Aquifer

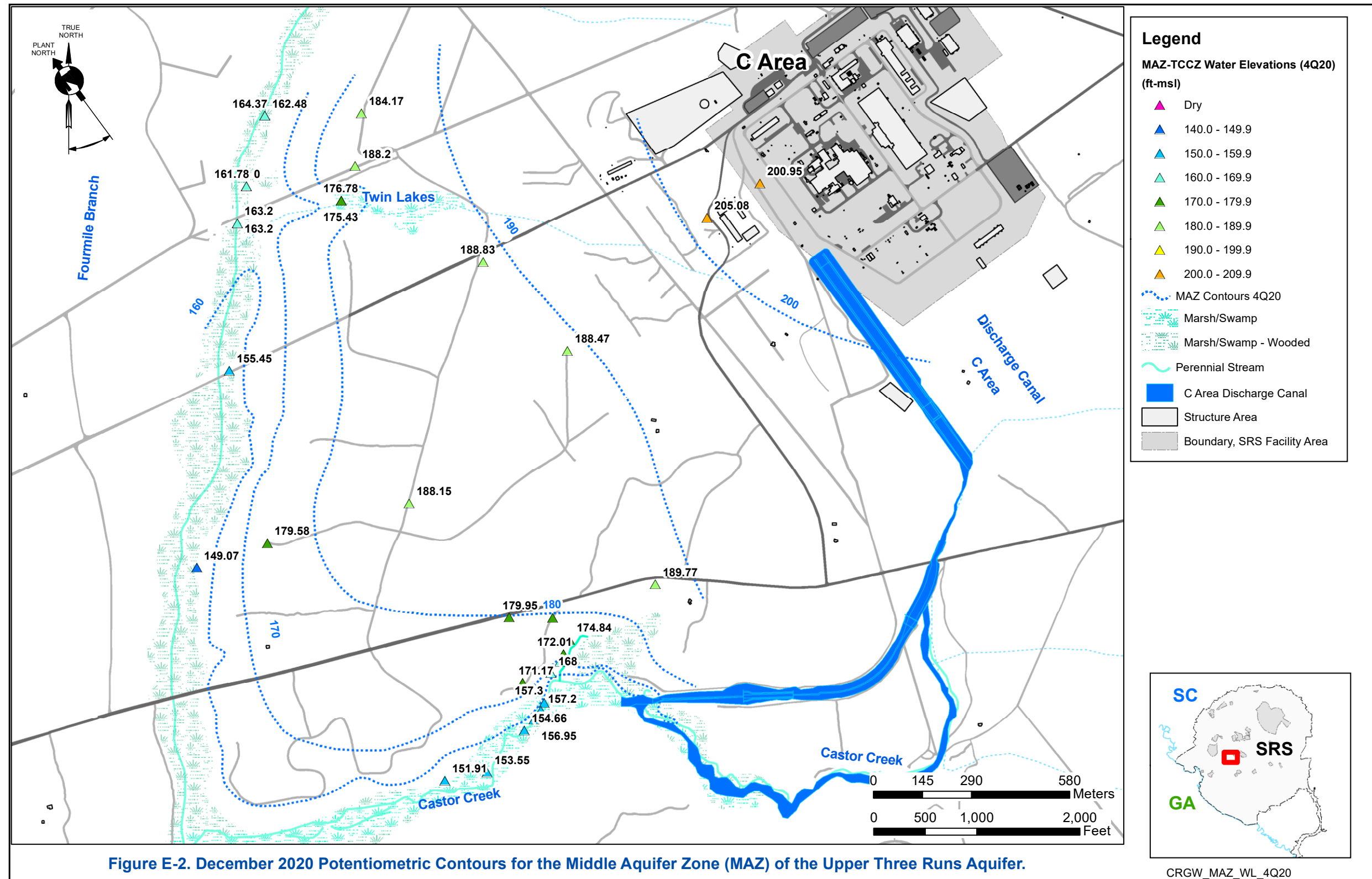


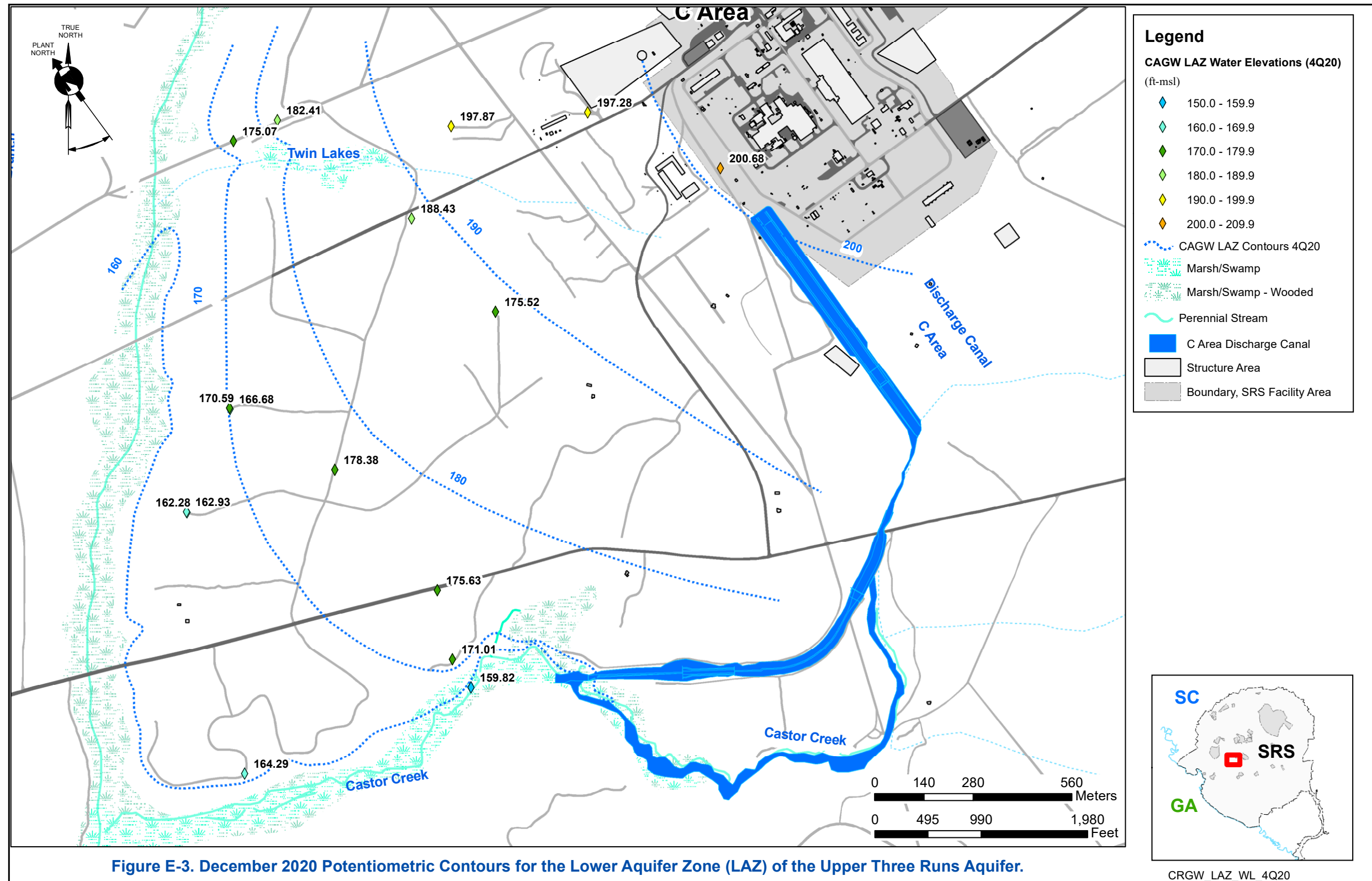
APPENDIX E

Potentiometric Maps

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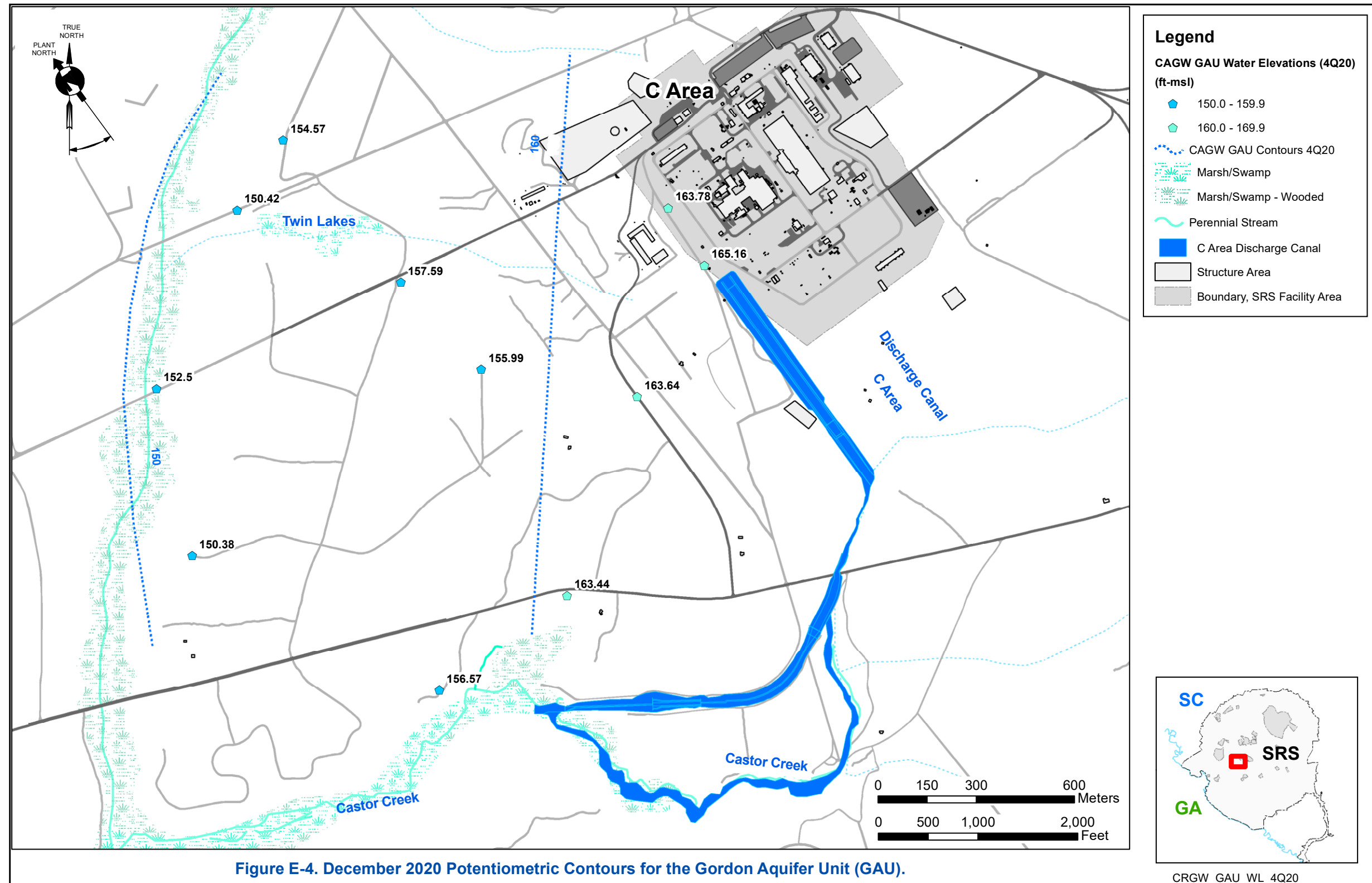


Figure E-4. December 2020 Potentiometric Contours for the Gordon Aquifer Unit (GAU).

CRGW_GAU_WL_4Q20

APPENDIX F

CAGW OU Data

July 2020 through June 2021

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Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CC 01	SURFACE WATER	12/14/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CC 01	SURFACE WATER	6/16/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CC 01	SURFACE WATER	12/14/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 01	SURFACE WATER	6/16/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 01	SURFACE WATER	12/14/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 01	SURFACE WATER	6/16/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 01	SURFACE WATER	12/14/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 01	SURFACE WATER	6/16/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 01	SURFACE WATER	12/14/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 01	SURFACE WATER	6/16/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 01	SURFACE WATER	12/14/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.43	ug/L
CC 01	SURFACE WATER	6/16/21	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.36	ug/L
CC 01	SURFACE WATER	12/14/20	TRITIUM	0.80	4.38			31.10	pCi/mL
CC 01	SURFACE WATER	6/16/21	TRITIUM	0.69	3.85			31.00	pCi/mL
CC 02	SURFACE WATER	12/14/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CC 02	SURFACE WATER	6/16/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CC 02	SURFACE WATER	12/14/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 02	SURFACE WATER	6/16/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 02	SURFACE WATER	12/14/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 02	SURFACE WATER	6/16/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 02	SURFACE WATER	12/14/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 02	SURFACE WATER	6/16/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 02	SURFACE WATER	12/14/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 02	SURFACE WATER	6/16/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 02	SURFACE WATER	12/14/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.35	ug/L
CC 02	SURFACE WATER	6/16/21	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CC 02	SURFACE WATER	12/14/20	TRITIUM	0.81	4.33			29.50	pCi/mL
CC 02	SURFACE WATER	6/16/21	TRITIUM	0.70	3.84			30.30	pCi/mL

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CC 03	SURFACE WATER	12/14/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CC 03	SURFACE WATER	6/16/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CC 03	SURFACE WATER	12/14/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 03	SURFACE WATER	6/16/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 03	SURFACE WATER	12/14/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 03	SURFACE WATER	6/16/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 03	SURFACE WATER	12/14/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 03	SURFACE WATER	6/16/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 03	SURFACE WATER	12/14/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 03	SURFACE WATER	6/16/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 03	SURFACE WATER	12/14/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CC 03	SURFACE WATER	6/16/21	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CC 03	SURFACE WATER	12/14/20	TRITIUM	0.84	4.88			37.40	pCi/mL
CC 03	SURFACE WATER	6/16/21	TRITIUM	0.74	3.58			22.80	pCi/mL
CC 04	SURFACE WATER	12/14/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CC 04	SURFACE WATER	6/16/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CC 04	SURFACE WATER	12/14/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 04	SURFACE WATER	6/16/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 04	SURFACE WATER	12/14/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 04	SURFACE WATER	6/16/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 04	SURFACE WATER	12/14/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 04	SURFACE WATER	6/16/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 04	SURFACE WATER	12/14/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 04	SURFACE WATER	6/16/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 04	SURFACE WATER	12/14/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CC 04	SURFACE WATER	6/16/21	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CC 04	SURFACE WATER	12/14/20	TRITIUM	0.85	4.59			31.60	pCi/mL
CC 04	SURFACE WATER	6/16/21	TRITIUM	0.74	3.82			26.90	pCi/mL

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CC 05	SURFACE WATER	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CC 05	SURFACE WATER	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CC 05	SURFACE WATER	12/7/20	CHLORIDE	0.07	0.20		J	2.22	mg/L
CC 05	SURFACE WATER	6/15/21	CHLORIDE	0.07	0.20			2.55	mg/L
CC 05	SURFACE WATER	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 05	SURFACE WATER	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 05	SURFACE WATER	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 05	SURFACE WATER	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 05	SURFACE WATER	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CC 05	SURFACE WATER	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CC 05	SURFACE WATER	12/7/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CC 05	SURFACE WATER	6/15/21	METHANE	10.00	25.00	J	J	10.10	ug/L
CC 05	SURFACE WATER	12/7/20	NITRATE	0.03	0.10			0.52	mg/L
CC 05	SURFACE WATER	6/15/21	NITRATE	0.03	0.10			0.56	mg/L
CC 05	SURFACE WATER	12/7/20	SULFATE	0.13	0.40			0.75	mg/L
CC 05	SURFACE WATER	6/15/21	SULFATE	0.13	0.40			0.88	mg/L
CC 05	SURFACE WATER	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 05	SURFACE WATER	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 05	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.94	mg/L
CC 05	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.94	mg/L
CC 05	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.94	mg/L
CC 05	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.93	mg/L
CC 05	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.22	mg/L
CC 05	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.21	mg/L
CC 05	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.19	mg/L
CC 05	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.18	mg/L
CC 05	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.16	mg/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CC 05	SURFACE WATER	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 05	SURFACE WATER	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 05	SURFACE WATER	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			1.35	ug/L
CC 05	SURFACE WATER	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			1.18	ug/L
CC 05	SURFACE WATER	12/7/20	TRITIUM	0.95	5.27			39.10	pCi/mL
CC 05	SURFACE WATER	6/15/21	TRITIUM	0.61	3.55			30.10	pCi/mL
CC 06	SURFACE WATER	12/14/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CC 06	SURFACE WATER	6/16/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CC 06	SURFACE WATER	12/14/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 06	SURFACE WATER	6/16/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 06	SURFACE WATER	12/14/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 06	SURFACE WATER	6/16/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 06	SURFACE WATER	12/14/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 06	SURFACE WATER	6/16/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 06	SURFACE WATER	12/14/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 06	SURFACE WATER	6/16/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 06	SURFACE WATER	12/14/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.57	ug/L
CC 06	SURFACE WATER	6/16/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			1.35	ug/L
CC 06	SURFACE WATER	12/14/20	TRITIUM	0.81	1.78	U	U	0.49	pCi/mL
CC 06	SURFACE WATER	6/16/21	TRITIUM	0.68	1.53	U	U	0.54	pCi/mL
CC 07	SURFACE WATER	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CC 07	SURFACE WATER	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CC 07	SURFACE WATER	12/7/20	CHLORIDE	0.07	0.20		J	2.44	mg/L
CC 07	SURFACE WATER	6/15/21	CHLORIDE	0.07	0.20			2.31	mg/L
CC 07	SURFACE WATER	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 07	SURFACE WATER	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 07	SURFACE WATER	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 07	SURFACE WATER	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CC 07	SURFACE WATER	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CC 07	SURFACE WATER	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CC 07	SURFACE WATER	12/7/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CC 07	SURFACE WATER	6/15/21	METHANE	10.00	25.00	U	U	25.00	ug/L
CC 07	SURFACE WATER	12/7/20	NITRATE	0.03	0.10			0.54	mg/L
CC 07	SURFACE WATER	6/15/21	NITRATE	0.03	0.10			0.52	mg/L
CC 07	SURFACE WATER	12/7/20	SULFATE	0.13	0.40			0.77	mg/L
CC 07	SURFACE WATER	6/15/21	SULFATE	0.13	0.40			0.78	mg/L
CC 07	SURFACE WATER	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 07	SURFACE WATER	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 07	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.91	mg/L
CC 07	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.89	mg/L
CC 07	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.89	mg/L
CC 07	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.88	mg/L
CC 07	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.87	mg/L
CC 07	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.08	mg/L
CC 07	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.02	mg/L
CC 07	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.02	mg/L
CC 07	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.00	mg/L
CC 07	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	1.00	mg/L
CC 07	SURFACE WATER	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 07	SURFACE WATER	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 07	SURFACE WATER	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			1.68	ug/L
CC 07	SURFACE WATER	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			1.15	ug/L
CC 07	SURFACE WATER	12/7/20	TRITIUM	0.90	1.91	U	U	0.13	pCi/mL
CC 07	SURFACE WATER	6/15/21	TRITIUM	0.59	1.41	J	J	0.90	pCi/mL
CC 08	SURFACE WATER	9/21/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CC 08	SURFACE WATER	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CC 08	SURFACE WATER	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CC 08	SURFACE WATER	9/21/20	CHLORIDE	0.07	0.20			2.40	mg/L
CC 08	SURFACE WATER	12/7/20	CHLORIDE	0.07	0.20		J	2.31	mg/L
CC 08	SURFACE WATER	6/15/21	CHLORIDE	0.07	0.20			2.30	mg/L
CC 08	SURFACE WATER	9/21/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 08	SURFACE WATER	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 08	SURFACE WATER	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CC 08	SURFACE WATER	9/21/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 08	SURFACE WATER	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 08	SURFACE WATER	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 08	SURFACE WATER	9/21/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CC 08	SURFACE WATER	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CC 08	SURFACE WATER	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CC 08	SURFACE WATER	9/21/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CC 08	SURFACE WATER	12/7/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CC 08	SURFACE WATER	6/15/21	METHANE	10.00	25.00	U	U	25.00	ug/L
CC 08	SURFACE WATER	9/21/20	NITRATE	0.03	0.10			0.53	mg/L
CC 08	SURFACE WATER	12/7/20	NITRATE	0.03	0.10			0.54	mg/L
CC 08	SURFACE WATER	6/15/21	NITRATE	0.03	0.10			0.52	mg/L
CC 08	SURFACE WATER	9/21/20	SULFATE	0.13	0.40			0.81	mg/L
CC 08	SURFACE WATER	12/7/20	SULFATE	0.13	0.40			0.76	mg/L
CC 08	SURFACE WATER	6/15/21	SULFATE	0.13	0.40			0.77	mg/L
CC 08	SURFACE WATER	9/21/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 08	SURFACE WATER	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 08	SURFACE WATER	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CC 08	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			1.38	mg/L
CC 08	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			1.31	mg/L
CC 08	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			1.31	mg/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CC 08	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			1.27	mg/L
CC 08	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			1.27	mg/L
CC 08	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			1.03	mg/L
CC 08	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			1.01	mg/L
CC 08	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	1.00	mg/L
CC 08	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.98	mg/L
CC 08	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.96	mg/L
CC 08	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.09	mg/L
CC 08	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.09	mg/L
CC 08	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.07	mg/L
CC 08	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.07	mg/L
CC 08	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.04	mg/L
CC 08	SURFACE WATER	9/21/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 08	SURFACE WATER	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 08	SURFACE WATER	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CC 08	SURFACE WATER	9/21/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			1.33	ug/L
CC 08	SURFACE WATER	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			1.53	ug/L
CC 08	SURFACE WATER	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			1.12	ug/L
CC 08	SURFACE WATER	9/21/20	TRITIUM	0.96	4.10			32.30	pCi/mL
CC 08	SURFACE WATER	12/7/20	TRITIUM	0.93	4.93			34.40	pCi/mL
CC 08	SURFACE WATER	6/15/21	TRITIUM	0.60	3.36			26.60	pCi/mL
CCSL-08	SEEPLINE	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CCSL-08	SEEPLINE	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CCSL-08	SEEPLINE	12/7/20	CHLORIDE	0.07	0.20			1.98	mg/L
CCSL-08	SEEPLINE	6/15/21	CHLORIDE	0.07	0.20			2.60	mg/L
CCSL-08	SEEPLINE	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCSL-08	SEEPLINE	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCSL-08	SEEPLINE	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCSL-08	SEEPLINE	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.62	ug/L
CCSL-08	SEEPLINE	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CCSL-08	SEEPLINE	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CCSL-08	SEEPLINE	12/7/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CCSL-08	SEEPLINE	6/15/21	METHANE	10.00	25.00	U	U	25.00	ug/L
CCSL-08	SEEPLINE	12/7/20	NITRATE	0.03	0.10			0.41	mg/L
CCSL-08	SEEPLINE	6/15/21	NITRATE	0.03	0.10			1.43	mg/L
CCSL-08	SEEPLINE	12/7/20	SULFATE	0.13	0.40	J	J	0.33	mg/L
CCSL-08	SEEPLINE	6/15/21	SULFATE	0.13	0.40			0.81	mg/L
CCSL-08	SEEPLINE	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCSL-08	SEEPLINE	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCSL-08	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.52	mg/L
CCSL-08	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.52	mg/L
CCSL-08	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.51	mg/L
CCSL-08	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.50	mg/L
CCSL-08	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.50	mg/L
CCSL-08	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.88	mg/L
CCSL-08	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.88	mg/L
CCSL-08	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.88	mg/L
CCSL-08	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.88	mg/L
CCSL-08	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.88	mg/L
CCSL-08	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.88	mg/L
CCSL-08	SEEPLINE	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-08	SEEPLINE	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-08	SEEPLINE	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			5.49	ug/L
CCSL-08	SEEPLINE	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			2.73	ug/L
CCSL-08	SEEPLINE	12/7/20	TRITIUM	0.92	7.16			87.70	pCi/mL
CCSL-08	SEEPLINE	6/15/21	TRITIUM	0.60	5.18			76.10	pCi/mL

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCSL-11	SEEPLINE	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	J	J	0.86	ug/L
CCSL-11	SEEPLINE	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CCSL-11	SEEPLINE	12/7/20	CHLORIDE	0.07	0.20			3.08	mg/L
CCSL-11	SEEPLINE	6/15/21	CHLORIDE	0.07	0.20			2.89	mg/L
CCSL-11	SEEPLINE	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCSL-11	SEEPLINE	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCSL-11	SEEPLINE	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.86	ug/L
CCSL-11	SEEPLINE	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-11	SEEPLINE	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CCSL-11	SEEPLINE	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CCSL-11	SEEPLINE	12/7/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CCSL-11	SEEPLINE	6/15/21	METHANE	10.00	25.00	U	U	25.00	ug/L
CCSL-11	SEEPLINE	12/7/20	NITRATE	0.03	0.10			0.92	mg/L
CCSL-11	SEEPLINE	6/15/21	NITRATE	0.03	0.10			0.91	mg/L
CCSL-11	SEEPLINE	12/7/20	SULFATE	0.13	0.40			0.62	mg/L
CCSL-11	SEEPLINE	6/15/21	SULFATE	0.13	0.40			0.86	mg/L
CCSL-11	SEEPLINE	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00			1.12	ug/L
CCSL-11	SEEPLINE	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCSL-11	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			1.73	mg/L
CCSL-11	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			1.65	mg/L
CCSL-11	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			1.60	mg/L
CCSL-11	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			1.53	mg/L
CCSL-11	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			1.50	mg/L
CCSL-11	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.50	mg/L
CCSL-11	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.49	mg/L
CCSL-11	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.48	mg/L
CCSL-11	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.48	mg/L
CCSL-11	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.48	mg/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCSL-11	SEEPLINE	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-11	SEEPLINE	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-11	SEEPLINE	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.87	ug/L
CCSL-11	SEEPLINE	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CCSL-11	SEEPLINE	12/7/20	TRITIUM	0.94	9.40			159.00	pCi/mL
CCSL-11	SEEPLINE	6/15/21	TRITIUM	0.72	7.30			132.00	pCi/mL
CCSL-14	SEEPLINE	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	J	J	0.90	ug/L
CCSL-14	SEEPLINE	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CCSL-14	SEEPLINE	12/7/20	CHLORIDE	0.07	0.20		J	2.76	mg/L
CCSL-14	SEEPLINE	6/15/21	CHLORIDE	0.07	0.20			2.30	mg/L
CCSL-14	SEEPLINE	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCSL-14	SEEPLINE	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCSL-14	SEEPLINE	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.90	ug/L
CCSL-14	SEEPLINE	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-14	SEEPLINE	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CCSL-14	SEEPLINE	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CCSL-14	SEEPLINE	12/7/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CCSL-14	SEEPLINE	6/15/21	METHANE	10.00	25.00	U	U	25.00	ug/L
CCSL-14	SEEPLINE	12/7/20	NITRATE	0.03	0.10			0.50	mg/L
CCSL-14	SEEPLINE	6/15/21	NITRATE	0.03	0.10			0.50	mg/L
CCSL-14	SEEPLINE	12/7/20	SULFATE	0.13	0.40	J	J	0.33	mg/L
CCSL-14	SEEPLINE	6/15/21	SULFATE	0.13	0.40	J	J	0.32	mg/L
CCSL-14	SEEPLINE	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.34	ug/L
CCSL-14	SEEPLINE	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00			1.12	ug/L
CCSL-14	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.54	mg/L
CCSL-14	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.51	mg/L
CCSL-14	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.49	mg/L
CCSL-14	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.47	mg/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCSL-14	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.46	mg/L
CCSL-14	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.70	mg/L
CCSL-14	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.68	mg/L
CCSL-14	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.68	mg/L
CCSL-14	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.67	mg/L
CCSL-14	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.67	mg/L
CCSL-14	SEEPLINE	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-14	SEEPLINE	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-14	SEEPLINE	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			5.63	ug/L
CCSL-14	SEEPLINE	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			3.88	ug/L
CCSL-14	SEEPLINE	12/7/20	TRITIUM	0.92	8.98			148.00	pCi/mL
CCSL-14	SEEPLINE	6/15/21	TRITIUM	0.60	6.44			126.00	pCi/mL
CCSL-21R	SEEPLINE	12/14/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CCSL-21R	SEEPLINE	6/17/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CCSL-21R	SEEPLINE	12/14/20	CHLORIDE	0.07	0.20			3.16	mg/L
CCSL-21R	SEEPLINE	6/17/21	CHLORIDE	0.07	0.20			3.03	mg/L
CCSL-21R	SEEPLINE	12/14/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCSL-21R	SEEPLINE	6/17/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCSL-21R	SEEPLINE	12/14/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-21R	SEEPLINE	6/17/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-21R	SEEPLINE	12/14/20	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CCSL-21R	SEEPLINE	6/17/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CCSL-21R	SEEPLINE	12/14/20	METHANE	10.00	25.00			41.80	ug/L
CCSL-21R	SEEPLINE	6/17/21	METHANE	10.00	25.00	U	U	25.00	ug/L
CCSL-21R	SEEPLINE	12/14/20	NITRATE	0.03	0.10	J	J	0.06	mg/L
CCSL-21R	SEEPLINE	6/17/21	NITRATE	0.03	0.10	U	U	0.10	mg/L
CCSL-21R	SEEPLINE	12/14/20	SULFATE	0.13	0.40			1.80	mg/L
CCSL-21R	SEEPLINE	6/17/21	SULFATE	0.13	0.40			4.24	mg/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCSL-21R	SEEPLINE	12/14/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCSL-21R	SEEPLINE	6/17/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCSL-21R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	1.65	5.00			23.20	mg/L
CCSL-21R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	1.65	5.00			23.20	mg/L
CCSL-21R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	1.65	5.00			23.10	mg/L
CCSL-21R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	1.65	5.00			23.00	mg/L
CCSL-21R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	1.65	5.00			23.00	mg/L
CCSL-21R	SEEPLINE	6/17/21	TOTAL ORGANIC CARBON	1.65	5.00			18.70	mg/L
CCSL-21R	SEEPLINE	6/17/21	TOTAL ORGANIC CARBON	1.65	5.00			18.70	mg/L
CCSL-21R	SEEPLINE	6/17/21	TOTAL ORGANIC CARBON	1.65	5.00			18.50	mg/L
CCSL-21R	SEEPLINE	6/17/21	TOTAL ORGANIC CARBON	1.65	5.00			18.40	mg/L
CCSL-21R	SEEPLINE	6/17/21	TOTAL ORGANIC CARBON	1.65	5.00			18.30	mg/L
CCSL-21R	SEEPLINE	6/17/21	TOTAL ORGANIC CARBON	1.65	5.00			17.70	mg/L
CCSL-21R	SEEPLINE	12/14/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-21R	SEEPLINE	6/17/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-21R	SEEPLINE	12/14/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CCSL-21R	SEEPLINE	6/17/21	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CCSL-21R	SEEPLINE	12/14/20	TRITIUM	1.22	10.70			145.00	pCi/mL
CCSL-21R	SEEPLINE	6/17/21	TRITIUM	1.04	9.20			137.00	pCi/mL
CCSL-22R	SEEPLINE	12/14/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CCSL-22R	SEEPLINE	6/21/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CCSL-22R	SEEPLINE	12/14/20	CHLORIDE	0.07	0.20			2.83	mg/L
CCSL-22R	SEEPLINE	6/21/21	CHLORIDE	0.07	0.20			3.45	mg/L
CCSL-22R	SEEPLINE	12/14/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCSL-22R	SEEPLINE	6/21/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCSL-22R	SEEPLINE	12/14/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-22R	SEEPLINE	6/21/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-22R	SEEPLINE	12/14/20	ETHYLENE	10.00	25.00	U	U	25.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCSL-22R	SEEPLINE	6/21/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CCSL-22R	SEEPLINE	12/14/20	METHANE	10.00	25.00	U	U	25.00	ug/L
CCSL-22R	SEEPLINE	6/21/21	METHANE	10.00	25.00	U	U	25.00	ug/L
CCSL-22R	SEEPLINE	12/14/20	NITRATE	0.03	0.10	J	J	0.27	mg/L
CCSL-22R	SEEPLINE	6/21/21	NITRATE	0.03	0.10			0.33	mg/L
CCSL-22R	SEEPLINE	12/14/20	SULFATE	0.13	0.40			4.40	mg/L
CCSL-22R	SEEPLINE	6/21/21	SULFATE	0.13	0.40			5.49	mg/L
CCSL-22R	SEEPLINE	12/14/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCSL-22R	SEEPLINE	6/21/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCSL-22R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	0.33	1.00			3.67	mg/L
CCSL-22R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	0.33	1.00			3.65	mg/L
CCSL-22R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	0.33	1.00			3.62	mg/L
CCSL-22R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	0.33	1.00			3.62	mg/L
CCSL-22R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	0.33	1.00			3.53	mg/L
CCSL-22R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	0.33	1.00			3.91	mg/L
CCSL-22R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	0.33	1.00			3.91	mg/L
CCSL-22R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	0.33	1.00			3.88	mg/L
CCSL-22R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	0.33	1.00			3.88	mg/L
CCSL-22R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	0.33	1.00			3.84	mg/L
CCSL-22R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	0.33	1.00			3.84	mg/L
CCSL-22R	SEEPLINE	12/14/20	TOTAL ORGANIC CARBON	0.33	1.00			3.83	mg/L
CCSL-22R	SEEPLINE	6/21/21	TOTAL ORGANIC CARBON	0.33	1.00		J	4.31	mg/L
CCSL-22R	SEEPLINE	6/21/21	TOTAL ORGANIC CARBON	0.33	1.00		J	4.30	mg/L
CCSL-22R	SEEPLINE	6/21/21	TOTAL ORGANIC CARBON	0.33	1.00		J	4.29	mg/L
CCSL-22R	SEEPLINE	6/21/21	TOTAL ORGANIC CARBON	0.33	1.00		J	4.28	mg/L
CCSL-22R	SEEPLINE	6/21/21	TOTAL ORGANIC CARBON	0.33	1.00		J	4.24	mg/L
CCSL-22R	SEEPLINE	6/21/21	TOTAL ORGANIC CARBON	0.66	2.00		J	5.70	mg/L
CCSL-22R	SEEPLINE	6/21/21	TOTAL ORGANIC CARBON	0.66	2.00		J	5.69	mg/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCSL-22R	SEEPLINE	6/21/21	TOTAL ORGANIC CARBON	0.66	2.00		J	5.69	mg/L
CCSL-22R	SEEPLINE	6/21/21	TOTAL ORGANIC CARBON	0.66	2.00		J	5.68	mg/L
CCSL-22R	SEEPLINE	6/21/21	TOTAL ORGANIC CARBON	0.66	2.00		J	5.63	mg/L
CCSL-22R	SEEPLINE	6/21/21	TOTAL ORGANIC CARBON	0.66	2.00			5.63	mg/L
CCSL-22R	SEEPLINE	12/14/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-22R	SEEPLINE	6/21/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-22R	SEEPLINE	12/14/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CCSL-22R	SEEPLINE	6/21/21	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.42	ug/L
CCSL-22R	SEEPLINE	12/14/20	TRITIUM	0.78	9.78			210.00	pCi/mL
CCSL-22R	SEEPLINE	6/21/21	TRITIUM	0.84	9.30			188.00	pCi/mL
CCSL-23R	SEEPLINE	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CCSL-23R	SEEPLINE	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	J	J	1.09	ug/L
CCSL-23R	SEEPLINE	12/7/20	CHLORIDE	0.07	0.20			3.07	mg/L
CCSL-23R	SEEPLINE	6/15/21	CHLORIDE	0.07	0.20			3.31	mg/L
CCSL-23R	SEEPLINE	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCSL-23R	SEEPLINE	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCSL-23R	SEEPLINE	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-23R	SEEPLINE	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00			1.09	ug/L
CCSL-23R	SEEPLINE	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CCSL-23R	SEEPLINE	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CCSL-23R	SEEPLINE	12/7/20	METHANE	10.00	25.00		J	27.00	ug/L
CCSL-23R	SEEPLINE	6/15/21	METHANE	10.00	25.00			133.00	ug/L
CCSL-23R	SEEPLINE	12/7/20	NITRATE	0.03	0.10			0.28	mg/L
CCSL-23R	SEEPLINE	6/15/21	NITRATE	0.03	0.10			0.46	mg/L
CCSL-23R	SEEPLINE	12/7/20	SULFATE	0.13	0.40			1.68	mg/L
CCSL-23R	SEEPLINE	6/15/21	SULFATE	0.13	0.40			1.53	mg/L
CCSL-23R	SEEPLINE	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCSL-23R	SEEPLINE	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCSL-23R	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			1.34	mg/L
CCSL-23R	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			1.32	mg/L
CCSL-23R	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			1.32	mg/L
CCSL-23R	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			1.30	mg/L
CCSL-23R	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			1.28	mg/L
CCSL-23R	SEEPLINE	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			1.28	mg/L
CCSL-23R	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.72	mg/L
CCSL-23R	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.70	mg/L
CCSL-23R	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.70	mg/L
CCSL-23R	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.70	mg/L
CCSL-23R	SEEPLINE	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			1.67	mg/L
CCSL-23R	SEEPLINE	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-23R	SEEPLINE	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCSL-23R	SEEPLINE	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			14.90	ug/L
CCSL-23R	SEEPLINE	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			9.83	ug/L
CCSL-23R	SEEPLINE	12/7/20	TRITIUM	0.91	11.90			280.00	pCi/mL
CCSL-23R	SEEPLINE	6/15/21	TRITIUM	0.73	12.80			307.00	pCi/mL
CCT 01	SURFACE WATER	9/21/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CCT 01	SURFACE WATER	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CCT 01	SURFACE WATER	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CCT 01	SURFACE WATER	9/21/20	CHLORIDE	0.07	0.20			2.59	mg/L
CCT 01	SURFACE WATER	12/7/20	CHLORIDE	0.07	0.20		J	2.29	mg/L
CCT 01	SURFACE WATER	6/15/21	CHLORIDE	0.07	0.20			2.37	mg/L
CCT 01	SURFACE WATER	9/21/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCT 01	SURFACE WATER	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCT 01	SURFACE WATER	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCT 01	SURFACE WATER	9/21/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCT 01	SURFACE WATER	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCT 01	SURFACE WATER	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCT 01	SURFACE WATER	9/21/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CCT 01	SURFACE WATER	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CCT 01	SURFACE WATER	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CCT 01	SURFACE WATER	9/21/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CCT 01	SURFACE WATER	12/7/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CCT 01	SURFACE WATER	6/15/21	METHANE	10.00	25.00	U	U	25.00	ug/L
CCT 01	SURFACE WATER	9/21/20	NITRATE	0.03	0.10			0.49	mg/L
CCT 01	SURFACE WATER	12/7/20	NITRATE	0.03	0.10			0.50	mg/L
CCT 01	SURFACE WATER	6/15/21	NITRATE	0.03	0.10			0.52	mg/L
CCT 01	SURFACE WATER	9/21/20	SULFATE	0.13	0.40			0.73	mg/L
CCT 01	SURFACE WATER	12/7/20	SULFATE	0.13	0.40			0.67	mg/L
CCT 01	SURFACE WATER	6/15/21	SULFATE	0.13	0.40			0.53	mg/L
CCT 01	SURFACE WATER	9/21/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCT 01	SURFACE WATER	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCT 01	SURFACE WATER	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCT 01	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			2.83	mg/L
CCT 01	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			2.81	mg/L
CCT 01	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			2.76	mg/L
CCT 01	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			2.74	mg/L
CCT 01	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			2.73	mg/L
CCT 01	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			2.68	mg/L
CCT 01	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			2.21	mg/L
CCT 01	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			2.19	mg/L
CCT 01	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			2.18	mg/L
CCT 01	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			2.17	mg/L
CCT 01	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			2.15	mg/L
CCT 01	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.23	mg/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCT 01	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.21	mg/L
CCT 01	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.18	mg/L
CCT 01	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.17	mg/L
CCT 01	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.09	mg/L
CCT 01	SURFACE WATER	9/21/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCT 01	SURFACE WATER	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCT 01	SURFACE WATER	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCT 01	SURFACE WATER	9/21/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			4.28	ug/L
CCT 01	SURFACE WATER	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			5.46	ug/L
CCT 01	SURFACE WATER	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			5.40	ug/L
CCT 01	SURFACE WATER	9/21/20	TRITIUM	1.05	12.00			401.00	pCi/mL
CCT 01	SURFACE WATER	12/7/20	TRITIUM	0.97	14.70			410.00	pCi/mL
CCT 01	SURFACE WATER	6/15/21	TRITIUM	0.81	15.30			368.00	pCi/mL
CCT 02	SURFACE WATER	9/21/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CCT 02	SURFACE WATER	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CCT 02	SURFACE WATER	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CCT 02	SURFACE WATER	9/21/20	CHLORIDE	0.07	0.20			2.71	mg/L
CCT 02	SURFACE WATER	12/7/20	CHLORIDE	0.07	0.20		J	2.51	mg/L
CCT 02	SURFACE WATER	6/15/21	CHLORIDE	0.07	0.20			2.51	mg/L
CCT 02	SURFACE WATER	9/21/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCT 02	SURFACE WATER	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCT 02	SURFACE WATER	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCT 02	SURFACE WATER	9/21/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.42	ug/L
CCT 02	SURFACE WATER	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.44	ug/L
CCT 02	SURFACE WATER	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.43	ug/L
CCT 02	SURFACE WATER	9/21/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CCT 02	SURFACE WATER	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CCT 02	SURFACE WATER	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCT 02	SURFACE WATER	9/21/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CCT 02	SURFACE WATER	12/7/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CCT 02	SURFACE WATER	6/15/21	METHANE	10.00	25.00	J	J	19.60	ug/L
CCT 02	SURFACE WATER	9/21/20	NITRATE	0.03	0.10			0.34	mg/L
CCT 02	SURFACE WATER	12/7/20	NITRATE	0.03	0.10			0.39	mg/L
CCT 02	SURFACE WATER	6/15/21	NITRATE	0.03	0.10			0.37	mg/L
CCT 02	SURFACE WATER	9/21/20	SULFATE	0.13	0.40			0.74	mg/L
CCT 02	SURFACE WATER	12/7/20	SULFATE	0.13	0.40			0.70	mg/L
CCT 02	SURFACE WATER	6/15/21	SULFATE	0.13	0.40			0.64	mg/L
CCT 02	SURFACE WATER	9/21/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCT 02	SURFACE WATER	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCT 02	SURFACE WATER	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCT 02	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			3.60	mg/L
CCT 02	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			3.60	mg/L
CCT 02	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			3.58	mg/L
CCT 02	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			3.58	mg/L
CCT 02	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			3.52	mg/L
CCT 02	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			2.88	mg/L
CCT 02	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			2.84	mg/L
CCT 02	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			2.84	mg/L
CCT 02	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			2.84	mg/L
CCT 02	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			2.80	mg/L
CCT 02	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.67	mg/L
CCT 02	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.64	mg/L
CCT 02	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.60	mg/L
CCT 02	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.60	mg/L
CCT 02	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.51	mg/L
CCT 02	SURFACE WATER	9/21/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCT 02	SURFACE WATER	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCT 02	SURFACE WATER	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCT 02	SURFACE WATER	9/21/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			3.16	ug/L
CCT 02	SURFACE WATER	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			4.37	ug/L
CCT 02	SURFACE WATER	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			3.22	ug/L
CCT 02	SURFACE WATER	9/21/20	TRITIUM	1.09	7.99			152.00	pCi/mL
CCT 02	SURFACE WATER	12/7/20	TRITIUM	1.01	10.00			165.00	pCi/mL
CCT 02	SURFACE WATER	6/15/21	TRITIUM	0.61	7.19			157.00	pCi/mL
CCT 03	SURFACE WATER	9/21/20	1,2-DICHLOROETHYLENE	0.67	2.00	J	J	0.76	ug/L
CCT 03	SURFACE WATER	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	J	J	0.69	ug/L
CCT 03	SURFACE WATER	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	J	J	0.86	ug/L
CCT 03	SURFACE WATER	9/21/20	CHLORIDE	0.07	0.20			3.21	mg/L
CCT 03	SURFACE WATER	12/7/20	CHLORIDE	0.07	0.20		J	2.82	mg/L
CCT 03	SURFACE WATER	6/15/21	CHLORIDE	0.07	0.20			2.56	mg/L
CCT 03	SURFACE WATER	9/21/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCT 03	SURFACE WATER	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCT 03	SURFACE WATER	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CCT 03	SURFACE WATER	9/21/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.76	ug/L
CCT 03	SURFACE WATER	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.69	ug/L
CCT 03	SURFACE WATER	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.86	ug/L
CCT 03	SURFACE WATER	9/21/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CCT 03	SURFACE WATER	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CCT 03	SURFACE WATER	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CCT 03	SURFACE WATER	9/21/20	METHANE	10.00	25.00	J	J	24.30	ug/L
CCT 03	SURFACE WATER	12/7/20	METHANE	10.00	25.00	J	J	12.80	ug/L
CCT 03	SURFACE WATER	6/15/21	METHANE	10.00	25.00	J	J	13.60	ug/L
CCT 03	SURFACE WATER	9/21/20	NITRATE	0.03	0.10			0.28	mg/L
CCT 03	SURFACE WATER	12/7/20	NITRATE	0.03	0.10			0.31	mg/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCT 03	SURFACE WATER	6/15/21	NITRATE	0.03	0.10			0.25	mg/L
CCT 03	SURFACE WATER	9/21/20	SULFATE	0.13	0.40			1.65	mg/L
CCT 03	SURFACE WATER	12/7/20	SULFATE	0.13	0.40			0.76	mg/L
CCT 03	SURFACE WATER	6/15/21	SULFATE	0.13	0.40			0.64	mg/L
CCT 03	SURFACE WATER	9/21/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCT 03	SURFACE WATER	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCT 03	SURFACE WATER	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CCT 03	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			3.75	mg/L
CCT 03	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			3.75	mg/L
CCT 03	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			3.69	mg/L
CCT 03	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			3.69	mg/L
CCT 03	SURFACE WATER	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			3.59	mg/L
CCT 03	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			2.95	mg/L
CCT 03	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			2.95	mg/L
CCT 03	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			2.89	mg/L
CCT 03	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			2.88	mg/L
CCT 03	SURFACE WATER	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			2.72	mg/L
CCT 03	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			3.13	mg/L
CCT 03	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			3.09	mg/L
CCT 03	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			3.06	mg/L
CCT 03	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			3.05	mg/L
CCT 03	SURFACE WATER	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.96	mg/L
CCT 03	SURFACE WATER	9/21/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCT 03	SURFACE WATER	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCT 03	SURFACE WATER	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CCT 03	SURFACE WATER	9/21/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			5.63	ug/L
CCT 03	SURFACE WATER	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			6.86	ug/L
CCT 03	SURFACE WATER	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			6.13	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCT 03	SURFACE WATER	9/21/20	TRITIUM	1.04	4.88			45.80	pCi/mL
CCT 03	SURFACE WATER	12/7/20	TRITIUM	0.97	5.83			48.50	pCi/mL
CCT 03	SURFACE WATER	6/15/21	TRITIUM	0.63	3.67			30.80	pCi/mL
CDB 1	MONITORING WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CDB 1	MONITORING WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CDB 1	MONITORING WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CDB 1	MONITORING WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.86	ug/L
CDB 1	MONITORING WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CDB 1	MONITORING WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CDB 1	MONITORING WELL	11/17/20	TRITIUM	0.61	1.48	J	J	1.28	pCi/mL
CDB 2	MONITORING WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CDB 2	MONITORING WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CDB 2	MONITORING WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CDB 2	MONITORING WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	R	1.00	ug/L
CDB 2	MONITORING WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CDB 2	MONITORING WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CDB 2	MONITORING WELL	11/17/20	TRITIUM	0.63	7.61			177.00	pCi/mL
CDB003D	MONITORING WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CDB003D	MONITORING WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CDB003D	MONITORING WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CDB003D	MONITORING WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	R	1.00	ug/L
CDB003D	MONITORING WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CDB003D	MONITORING WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			18.60	ug/L
CDB003D	MONITORING WELL	11/17/20	TRITIUM	0.61	1.91			5.28	pCi/mL
CRP 5C	MONITORING WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRP 5C	MONITORING WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRP 5C	MONITORING WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRP 5C	MONITORING WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00			9.40	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRP 5C	MONITORING WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRP 5C	MONITORING WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRP 5C	MONITORING WELL	11/17/20	TRITIUM	0.71	2.91			13.10	pCi/mL
CRP 5D	MONITORING WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRP 5D	MONITORING WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRP 5D	MONITORING WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRP 5D	MONITORING WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRP 5D	MONITORING WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRP 5D	MONITORING WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRP 5D	MONITORING WELL	11/17/20	TRITIUM	0.72	1.59	U	U	0.45	pCi/mL
CRP 6DR	MONITORING WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRP 6DR	MONITORING WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRP 6DR	MONITORING WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRP 6DR	MONITORING WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRP 6DR	MONITORING WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRP 6DR	MONITORING WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRP 6DR	MONITORING WELL	11/17/20	TRITIUM	0.72	1.68	J	J	0.87	pCi/mL
CRW 1D	ML MONITOR WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 1D	ML MONITOR WELL	6/16/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 1D	ML MONITOR WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 1D	ML MONITOR WELL	6/16/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 1D	ML MONITOR WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 1D	ML MONITOR WELL	6/16/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 1D	ML MONITOR WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW 1D	ML MONITOR WELL	6/16/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW 1D	ML MONITOR WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 1D	ML MONITOR WELL	6/16/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 1D	ML MONITOR WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW 1D	ML MONITOR WELL	6/16/21	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 1D	ML MONITOR WELL	11/17/20	TRITIUM	0.72	1.70	J	J	1.06	pCi/mL
CRW 1D	ML MONITOR WELL	6/16/21	TRITIUM	0.68	1.56	J	J	0.79	pCi/mL
CRW 4A	ML MONITOR WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 4A	ML MONITOR WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 4A	ML MONITOR WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 4A	ML MONITOR WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW 4A	ML MONITOR WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 4A	ML MONITOR WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 4A	ML MONITOR WELL	11/17/20	TRITIUM	0.77	1.56	U	U	-0.19	pCi/mL
CRW 4C	ML MONITOR WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 4C	ML MONITOR WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 4C	ML MONITOR WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 4C	ML MONITOR WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW 4C	ML MONITOR WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 4C	ML MONITOR WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 4C	ML MONITOR WELL	11/17/20	TRITIUM	0.72	1.47	U	U	-0.18	pCi/mL
CRW 4D	ML MONITOR WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 4D	ML MONITOR WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 4D	ML MONITOR WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 4D	ML MONITOR WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW 4D	ML MONITOR WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 4D	ML MONITOR WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 4D	ML MONITOR WELL	11/17/20	TRITIUM	0.70	2.14			4.59	pCi/mL
CRW 5A	ML MONITOR WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 5A	ML MONITOR WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 5A	ML MONITOR WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 5A	ML MONITOR WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW 5A	ML MONITOR WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 5A	ML MONITOR WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 5A	ML MONITOR WELL	11/17/20	TRITIUM	0.71	1.47	U	U	-0.01	pCi/mL
CRW 5D	ML MONITOR WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 5D	ML MONITOR WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 5D	ML MONITOR WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 5D	ML MONITOR WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW 5D	ML MONITOR WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 5D	ML MONITOR WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			1.60	ug/L
CRW 5D	ML MONITOR WELL	11/17/20	TRITIUM	0.72	1.64	U	U	0.69	pCi/mL
CRW 7A	ML MONITOR WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 7A	ML MONITOR WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 7A	ML MONITOR WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 7A	ML MONITOR WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW 7A	ML MONITOR WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 7A	ML MONITOR WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 7A	ML MONITOR WELL	11/17/20	TRITIUM	0.73	1.55	U	U	0.14	pCi/mL
CRW 7D	ML MONITOR WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 7D	ML MONITOR WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 7D	ML MONITOR WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 7D	ML MONITOR WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW 7D	ML MONITOR WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 7D	ML MONITOR WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 7D	ML MONITOR WELL	11/17/20	TRITIUM	0.71	1.71	J	J	1.30	pCi/mL
CRW 9A	MONITORING WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 9A	MONITORING WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 9A	MONITORING WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 9A	MONITORING WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW 9A	MONITORING WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 9A	MONITORING WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 9A	MONITORING WELL	11/17/20	TRITIUM	0.63	1.51	J	J	1.25	pCi/mL
CRW 10A	ML MONITOR WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 10A	ML MONITOR WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 10A	ML MONITOR WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 10A	ML MONITOR WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW 10A	ML MONITOR WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 10A	ML MONITOR WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 10A	ML MONITOR WELL	11/17/20	TRITIUM	0.67	1.37	U	U	-0.29	pCi/mL
CRW 10C	ML MONITOR WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 10C	ML MONITOR WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 10C	ML MONITOR WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 10C	ML MONITOR WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00			1.79	ug/L
CRW 10C	ML MONITOR WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 10C	ML MONITOR WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			8.84	ug/L
CRW 10C	ML MONITOR WELL	11/17/20	TRITIUM	0.61	2.14			8.79	pCi/mL
CRW 11A	ML MONITOR WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 11A	ML MONITOR WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 11A	ML MONITOR WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 11A	ML MONITOR WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW 11A	ML MONITOR WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 11A	ML MONITOR WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 11A	ML MONITOR WELL	11/17/20	TRITIUM	0.72	1.51	U	U	0.00	pCi/mL
CRW 11D	ML MONITOR WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 11D	ML MONITOR WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 11D	ML MONITOR WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 11D	ML MONITOR WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW 11D	ML MONITOR WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 11D	ML MONITOR WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 11D	ML MONITOR WELL	11/17/20	TRITIUM	0.59	1.39	J	J	0.90	pCi/mL
CRW 13A	MONITORING WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 13A	MONITORING WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 13A	MONITORING WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 13A	MONITORING WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW 13A	MONITORING WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 13A	MONITORING WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 13A	MONITORING WELL	11/17/20	TRITIUM	0.63	1.77			3.56	pCi/mL
CRW 14A	MONITORING WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 14A	MONITORING WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 14A	MONITORING WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 14A	MONITORING WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW 14A	MONITORING WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 14A	MONITORING WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 14A	MONITORING WELL	11/17/20	TRITIUM	0.62	1.27	U	U	-0.17	pCi/mL
CRW 15A	ML MONITOR WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 15A	ML MONITOR WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 15A	ML MONITOR WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 15A	ML MONITOR WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW 15A	ML MONITOR WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 15A	ML MONITOR WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 15A	ML MONITOR WELL	11/18/20	TRITIUM	0.60	1.25	U	U	-0.10	pCi/mL
CRW 15C	ML MONITOR WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 15C	ML MONITOR WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 15C	ML MONITOR WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 15C	ML MONITOR WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW 15C	ML MONITOR WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 15C	ML MONITOR WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 15C	ML MONITOR WELL	11/18/20	TRITIUM	0.73	2.75			10.10	pCi/mL
CRW 15D	ML MONITOR WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 15D	ML MONITOR WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 15D	ML MONITOR WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 15D	ML MONITOR WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW 15D	ML MONITOR WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 15D	ML MONITOR WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 15D	ML MONITOR WELL	11/18/20	TRITIUM	0.59	3.63			41.50	pCi/mL
CRW 16D	ML MONITOR WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW 16D	ML MONITOR WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW 16D	ML MONITOR WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 16D	ML MONITOR WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	R	1.00	ug/L
CRW 16D	ML MONITOR WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW 16D	ML MONITOR WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW 16D	ML MONITOR WELL	11/17/20	TRITIUM	0.61	1.26	U	U	-0.05	pCi/mL
CRW010CU	MONITORING WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW010CU	MONITORING WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW010CU	MONITORING WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW010CU	MONITORING WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00			1.02	ug/L
CRW010CU	MONITORING WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW010CU	MONITORING WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			12.20	ug/L
CRW010CU	MONITORING WELL	11/17/20	TRITIUM	0.71	2.22			5.15	pCi/mL
CRW015B	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW015B	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW015B	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW015B	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW015B	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW015B	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW015B	MONITORING WELL	11/18/20	TRITIUM	0.59	3.49			34.90	pCi/mL
CRW020D	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	3.34	10.00	U	U	10.00	ug/L
CRW020D	MONITORING WELL	6/16/21	1,2-DICHLOROETHYLENE	3.34	10.00	U	U	10.00	ug/L
CRW020D	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	1.67	5.00	U	U	5.00	ug/L
CRW020D	MONITORING WELL	6/16/21	CHLOROETHENE (VINYL CHLORIDE)	1.67	5.00	U	U	5.00	ug/L
CRW020D	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	1.67	5.00	U	U	5.00	ug/L
CRW020D	MONITORING WELL	6/16/21	CIS-1,2-DICHLOROETHYLENE	1.67	5.00	U	U	5.00	ug/L
CRW020D	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	1.67	5.00	U	U	5.00	ug/L
CRW020D	MONITORING WELL	6/16/21	TETRACHLOROETHYLENE (PCE)	1.67	5.00	U	U	5.00	ug/L
CRW020D	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	1.67	5.00	U	U	5.00	ug/L
CRW020D	MONITORING WELL	6/16/21	TRANS-1,2-DICHLOROETHYLENE	1.67	5.00	U	U	5.00	ug/L
CRW020D	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	1.67	5.00			207.00	ug/L
CRW020D	MONITORING WELL	6/16/21	TRICHLOROETHYLENE (TCE)	1.67	5.00			169.00	ug/L
CRW020D	MONITORING WELL	11/18/20	TRITIUM	0.60	1.67			3.02	pCi/mL
CRW020D	MONITORING WELL	6/16/21	TRITIUM	0.68	1.93			3.39	pCi/mL
CRW021DR	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	1.33	4.00	U	U	4.00	ug/L
CRW021DR	MONITORING WELL	6/16/21	1,2-DICHLOROETHYLENE	1.33	4.00	J	J	1.68	ug/L
CRW021DR	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.67	2.00	U	U	2.00	ug/L
CRW021DR	MONITORING WELL	6/16/21	CHLOROETHENE (VINYL CHLORIDE)	0.67	2.00	U	U	2.00	ug/L
CRW021DR	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.67	2.00	J	J	0.86	ug/L
CRW021DR	MONITORING WELL	6/16/21	CIS-1,2-DICHLOROETHYLENE	0.67	2.00	J	J	1.68	ug/L
CRW021DR	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.67	2.00	J	J	0.76	ug/L
CRW021DR	MONITORING WELL	6/16/21	TETRACHLOROETHYLENE (PCE)	0.67	2.00	J	J	1.20	ug/L
CRW021DR	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW021DR	MONITORING WELL	6/16/21	TRANS-1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW021DR	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.67	2.00			95.90	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW021DR	MONITORING WELL	6/16/21	TRICHLOROETHYLENE (TCE)	0.67	2.00			142.00	ug/L
CRW021DR	MONITORING WELL	11/18/20	TRITIUM	0.60	1.54			1.95	pCi/mL
CRW021DR	MONITORING WELL	6/16/21	TRITIUM	0.69	2.28			6.48	pCi/mL
CRW022D	MONITORING WELL	12/14/20	1,1'-BIPHENYL	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	1,1'-BIPHENYL	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	1,2,4,5-TETRACHLOROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	1,2,4,5-TETRACHLOROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	1,2,4-TRICHLOROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	1,2,4-TRICHLOROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	1,2-DICHLOROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	1,2-DICHLOROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW022D	MONITORING WELL	6/16/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW022D	MONITORING WELL	12/14/20	1,2-DIPHENYLHYDRAZINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	1,2-DIPHENYLHYDRAZINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	1,3,5-TRINITROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	1,3,5-TRINITROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	1,3-DICHLOROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	1,3-DICHLOROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	1,3-DINITROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	1,3-DINITROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	1,4-DICHLOROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	1,4-DICHLOROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	1,4-DIOXANE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	1,4-DIOXANE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	1,4-NAPHTHOQUINONE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	1,4-NAPHTHOQUINONE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	1-NAPHTHYLAMINE	3.00	10.00	U	U	10.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW022D	MONITORING WELL	6/16/21	1-NAPHTHYLAMINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2,3,4,6-TETRACHLOROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2,3,4,6-TETRACHLOROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2,4,5-TRICHLOROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2,4,5-TRICHLOROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2,4,6-TRICHLOROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2,4,6-TRICHLOROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2,4-DICHLOROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2,4-DICHLOROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2,4-DIMETHYLPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2,4-DIMETHYLPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2,4-DINITROPHENOL	5.00	20.00	U	UJ	20.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2,4-DINITROPHENOL	5.00	20.00	U	UJ	20.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2,4-DINITROTOLUENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2,4-DINITROTOLUENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2,6-DICHLOROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2,6-DICHLOROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2,6-DINITROTOLUENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2,6-DINITROTOLUENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2-ACETYLAMINOFLUORENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2-ACETYLAMINOFLUORENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2-CHLORONAPHTHALENE	0.41	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2-CHLORONAPHTHALENE	0.41	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2-CHLOROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2-CHLOROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2-METHYLANILINE (O-TOLUIDINE)	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2-METHYLANILINE (O-TOLUIDINE)	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2-METHYLNAPHTHALENE	0.30	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW022D	MONITORING WELL	6/16/21	2-METHYLNAPHTHALENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2-NAPHTHYLAMINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2-NAPHTHYLAMINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2-NITROANILINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2-NITROANILINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2-NITROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2-NITROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	2-PICOLINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	2-PICOLINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	3,3-DICHLOROBENZIDINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	3,3-DICHLOROBENZIDINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	3,3'-DIMETHYLBENZIDINE	3.30	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	3,3'-DIMETHYLBENZIDINE	3.30	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	3-METHYLCHOLANTHRENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	3-METHYLCHOLANTHRENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	4-AMINOBIHENYL	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	4-AMINOBIHENYL	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	4-BROMOPHENYL PHENYL ETHER	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	4-BROMOPHENYL PHENYL ETHER	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	4-CHLOROANILINE	3.30	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	4-CHLOROANILINE	3.30	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	4-CHLOROPHENYL PHENYL ETHER	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	4-CHLOROPHENYL PHENYL ETHER	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	4-NITROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	4-NITROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	4-NITROQUINOLINE-1-OXIDE	3.80	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	4-NITROQUINOLINE-1-OXIDE	3.80	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	5-NITRO-O-TOLUIDINE	3.00	10.00	U	U	10.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW022D	MONITORING WELL	6/16/21	5-NITRO-O-TOLUIDINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	7,12-DIMETHYLBENZ(A)ANTHRACENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	7,12-DIMETHYLBENZ(A)ANTHRACENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	A,A-DIMETHYLPHENETHYLAMINE	5.40	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	A,A-DIMETHYLPHENETHYLAMINE	5.40	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	ACENAPHTHENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	ACENAPHTHENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	ACENAPHTHYLENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	ACENAPHTHYLENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	ACETOPHENONE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	ACETOPHENONE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	ANILINE	4.20	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	ANILINE	4.20	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	ANTHRACENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	ANTHRACENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	ARAMITE	3.70	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	ARAMITE	3.70	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	ATRAZINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	ATRAZINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	BENZALDEHYDE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	BENZALDEHYDE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	BENZIDINE	3.90	10.00	J	J	5.14	ug/L
CRW022D	MONITORING WELL	6/16/21	BENZIDINE	3.90	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	BENZO(G,H,I)PERYLENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	BENZO(G,H,I)PERYLENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	BENZO[A]ANTHRACENE	0.30	1.00	J	J	0.33	ug/L
CRW022D	MONITORING WELL	6/16/21	BENZO[A]ANTHRACENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	BENZO[A]PYRENE	0.30	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW022D	MONITORING WELL	6/16/21	BENZO[A]PYRENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	BENZO[B]FLUORANTHENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	BENZO[B]FLUORANTHENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	BENZO[K]FLUORANTHENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	BENZO[K]FLUORANTHENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	BENZOIC ACID	6.00	20.00	U	UJ	20.00	ug/L
CRW022D	MONITORING WELL	6/16/21	BENZOIC ACID	6.00	20.00	U	UJ	20.00	ug/L
CRW022D	MONITORING WELL	12/14/20	BENZYL ALCOHOL	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	BENZYL ALCOHOL	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	BIS(2-CHLORO-1-METHYLETHYL)ETHER	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	BIS(2-CHLORO-1-METHYLETHYL)ETHER	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	BIS(2-CHLOROETHOXY)METHANE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	BIS(2-CHLOROETHOXY)METHANE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	BIS(2-CHLOROETHYL)ETHER	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	BIS(2-CHLOROETHYL)ETHER	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	BIS(2-ETHYLHEXYL)PHTHALATE (DEHP)	0.30	1.00	J	J	0.36	ug/L
CRW022D	MONITORING WELL	6/16/21	BIS(2-ETHYLHEXYL)PHTHALATE (DEHP)	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	BUTYL BENZYL PHTHALATE	0.30	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	BUTYL BENZYL PHTHALATE	0.30	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	CAPROLACTAM	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	CAPROLACTAM	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	CARBAZOLE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	CARBAZOLE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	CHLOROBENZILATE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	CHLOROBENZILATE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW022D	MONITORING WELL	6/16/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	CHRYSENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	CHRYSENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	DIALLATE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	DIALLATE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	DIBENZ[AH]ANTHRACENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	DIBENZ[AH]ANTHRACENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	DIBENZOFURAN	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	DIBENZOFURAN	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	DIETHYL PHTHALATE	0.30	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	DIETHYL PHTHALATE	0.30	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	DIMETHOATE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	DIMETHOATE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	DIMETHYL PHTHALATE	0.30	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	DIMETHYL PHTHALATE	0.30	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	DI-N-BUTYL PHTHALATE	0.30	10.00	J	J	0.30	ug/L
CRW022D	MONITORING WELL	6/16/21	DI-N-BUTYL PHTHALATE	0.30	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	DINITRO-O-CRESOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	DINITRO-O-CRESOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	DISULFOTON	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	DISULFOTON	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	ETHYL METHACRYLATE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	ETHYL METHACRYLATE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	ETHYL METHANESULFONATE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	ETHYL METHANESULFONATE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	FAMPHUR	5.00	10.00	U	U	10.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW022D	MONITORING WELL	6/16/21	FAMPUR	5.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	FLUORANTHENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	FLUORANTHENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	FLUORENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	FLUORENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	HEXACHLOROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	HEXACHLOROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	HEXACHLOROBUTADIENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	HEXACHLOROBUTADIENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	HEXACHLOROCYCLOPENTADIENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	HEXACHLOROCYCLOPENTADIENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	HEXACHLOROETHANE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	HEXACHLOROETHANE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	HEXACHLOROPHENE	167.00	500.00	U	U	500.00	ug/L
CRW022D	MONITORING WELL	6/16/21	HEXACHLOROPHENE	167.00	500.00	U	U	500.00	ug/L
CRW022D	MONITORING WELL	12/14/20	HEXACHLOROPROPENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	HEXACHLOROPROPENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	INDENO[1,2,3-CD]PYRENE	0.30	1.00	J	J	0.30	ug/L
CRW022D	MONITORING WELL	6/16/21	INDENO[1,2,3-CD]PYRENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	ISODRIN	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	ISODRIN	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	ISOPHORONE	3.50	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	ISOPHORONE	3.50	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	ISOSAFROLE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	ISOSAFROLE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	KEPONE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	KEPONE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	M/P-CRESOL	3.70	10.00	U	UJ	10.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW022D	MONITORING WELL	6/16/21	M/P-CRESOL	3.70	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	METHAPYRILENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	METHAPYRILENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	METHYL METHANESULFONATE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	METHYL METHANESULFONATE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	METHYL PARATHION	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	METHYL PARATHION	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	M-NITROANILINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	M-NITROANILINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	NAPHTHALENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	NAPHTHALENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	N-DIOCTYL PHTHALATE	0.30	10.00	J	J	0.31	ug/L
CRW022D	MONITORING WELL	6/16/21	N-DIOCTYL PHTHALATE	0.30	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	NITROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	NITROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	N-NITROSODIETHYLAMINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	N-NITROSODIETHYLAMINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	N-NITROSODIMETHYLAMINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	N-NITROSODIMETHYLAMINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	N-NITROSODI-N-BUTYLAMINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	N-NITROSODI-N-BUTYLAMINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	N-NITROSODIPHENYLAMINE+DIPHENYLAMINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	N-NITROSODIPHENYLAMINE+DIPHENYLAMINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	N-NITROSODIPROPYLAMINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	N-NITROSODIPROPYLAMINE	3.00	10.00	U	U	10.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW022D	MONITORING WELL	12/14/20	N-NITROSOMORPHOLINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	N-NITROSOMORPHOLINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	N-NITROSO-N-METHYLETHYLAMINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	N-NITROSO-N-METHYLETHYLAMINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	N-NITROSOPIPERIDINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	N-NITROSOPIPERIDINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	N-NITROSOPYRROLIDINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	N-NITROSOPYRROLIDINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	O,O,O-TRIETHYL PHOSPHOROTHIOATE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	O,O,O-TRIETHYL PHOSPHOROTHIOATE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	O-CRESOL (2-METHYLPHENOL)	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	O-CRESOL (2-METHYLPHENOL)	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	PARATHION	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	PARATHION	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	P-CHLORO-M-CRESOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	P-CHLORO-M-CRESOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	P-DIMETHYLAMINOAZOBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	P-DIMETHYLAMINOAZOBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	PENTACHLOROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	PENTACHLOROBENZENE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	PENTACHLOROETHANE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	PENTACHLOROETHANE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	PENTACHLORONITROBENZENE	3.40	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	PENTACHLORONITROBENZENE	3.40	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	PENTACHLOROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	PENTACHLOROPHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	PHENACETIN	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	PHENACETIN	3.00	10.00	U	U	10.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW022D	MONITORING WELL	12/14/20	PHENANTHRENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	PHENANTHRENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	PHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	PHENOL	3.00	10.00	U	UJ	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	PHORATE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	PHORATE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	P-NITROANILINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	P-NITROANILINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	P-PHENYLENEDIAMINE	100.00	500.00	U	U	500.00	ug/L
CRW022D	MONITORING WELL	6/16/21	P-PHENYLENEDIAMINE	100.00	500.00	U	U	500.00	ug/L
CRW022D	MONITORING WELL	12/14/20	PRONAMIDE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	PRONAMIDE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	PYRENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	PYRENE	0.30	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	PYRIDINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	PYRIDINE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	SAFROLE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	SAFROLE	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	SULFOTEPP	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	SULFOTEPP	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	THIONAZIN	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	6/16/21	THIONAZIN	3.00	10.00	U	U	10.00	ug/L
CRW022D	MONITORING WELL	12/14/20	TPH BY GC/FID DIESEL RANGE ORGANICS	75.00	200.00	UJ	UJ	200.00	ug/L
CRW022D	MONITORING WELL	6/16/21	TPH BY GC/FID DIESEL RANGE ORGANICS	75.00	200.00	U	U	200.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW022D	MONITORING WELL	12/14/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	6/16/21	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CRW022D	MONITORING WELL	12/14/20	TRITIUM	0.80	1.83	J	J	0.81	pCi/mL
CRW022D	MONITORING WELL	6/16/21	TRITIUM	0.68	1.56	J	J	0.77	pCi/mL
CRW023C	MONITORING WELL	9/21/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW023C	MONITORING WELL	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW023C	MONITORING WELL	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW023C	MONITORING WELL	9/21/20	CHLORIDE	0.07	0.20		J	2.67	mg/L
CRW023C	MONITORING WELL	12/7/20	CHLORIDE	0.07	0.20		J	2.08	mg/L
CRW023C	MONITORING WELL	6/15/21	CHLORIDE	0.07	0.20			1.92	mg/L
CRW023C	MONITORING WELL	9/21/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW023C	MONITORING WELL	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW023C	MONITORING WELL	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW023C	MONITORING WELL	9/21/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW023C	MONITORING WELL	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW023C	MONITORING WELL	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW023C	MONITORING WELL	9/21/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CRW023C	MONITORING WELL	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CRW023C	MONITORING WELL	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CRW023C	MONITORING WELL	9/21/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CRW023C	MONITORING WELL	12/7/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CRW023C	MONITORING WELL	6/15/21	METHANE	10.00	25.00	U	U	25.00	ug/L
CRW023C	MONITORING WELL	9/21/20	NITRATE	0.03	0.10			0.75	mg/L
CRW023C	MONITORING WELL	12/7/20	NITRATE	0.03	0.10			0.76	mg/L
CRW023C	MONITORING WELL	6/15/21	NITRATE	0.03	0.10			1.34	mg/L
CRW023C	MONITORING WELL	9/21/20	SULFATE	0.13	0.40		J	0.82	mg/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW023C	MONITORING WELL	12/7/20	SULFATE	0.13	0.40			1.31	mg/L
CRW023C	MONITORING WELL	6/15/21	SULFATE	0.13	0.40			0.93	mg/L
CRW023C	MONITORING WELL	9/21/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW023C	MONITORING WELL	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW023C	MONITORING WELL	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW023C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.79	mg/L
CRW023C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.75	mg/L
CRW023C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.74	mg/L
CRW023C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.72	mg/L
CRW023C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.72	mg/L
CRW023C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.59	mg/L
CRW023C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.57	mg/L
CRW023C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.57	mg/L
CRW023C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.56	mg/L
CRW023C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.56	mg/L
CRW023C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.40	mg/L
CRW023C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.40	mg/L
CRW023C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.40	mg/L
CRW023C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.40	mg/L
CRW023C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.39	mg/L
CRW023C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.60	mg/L
CRW023C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.59	mg/L
CRW023C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.59	mg/L
CRW023C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.59	mg/L
CRW023C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.58	mg/L
CRW023C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.49	mg/L
CRW023C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.48	mg/L
CRW023C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.48	mg/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW023C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.47	mg/L
CRW023C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.46	mg/L
CRW023C	MONITORING WELL	9/21/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW023C	MONITORING WELL	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW023C	MONITORING WELL	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW023C	MONITORING WELL	9/21/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			27.40	ug/L
CRW023C	MONITORING WELL	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			14.10	ug/L
CRW023C	MONITORING WELL	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			11.10	ug/L
CRW023C	MONITORING WELL	9/21/20	TRITIUM	0.98	29.40			2940.00	pCi/mL
CRW023C	MONITORING WELL	12/7/20	TRITIUM	0.95	26.50			1310.00	pCi/mL
CRW023C	MONITORING WELL	6/15/21	TRITIUM	1.72	64.50			1620.00	pCi/mL
CRW024C	MONITORING WELL	9/21/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW024C	MONITORING WELL	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW024C	MONITORING WELL	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW024C	MONITORING WELL	9/21/20	CHLORIDE	0.07	0.20			2.55	mg/L
CRW024C	MONITORING WELL	12/7/20	CHLORIDE	0.07	0.20			2.00	mg/L
CRW024C	MONITORING WELL	6/15/21	CHLORIDE	0.07	0.20			2.21	mg/L
CRW024C	MONITORING WELL	9/21/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW024C	MONITORING WELL	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW024C	MONITORING WELL	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW024C	MONITORING WELL	9/21/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW024C	MONITORING WELL	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW024C	MONITORING WELL	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW024C	MONITORING WELL	9/21/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CRW024C	MONITORING WELL	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CRW024C	MONITORING WELL	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CRW024C	MONITORING WELL	9/21/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CRW024C	MONITORING WELL	12/7/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW024C	MONITORING WELL	6/15/21	METHANE	10.00	25.00	U	U	25.00	ug/L
CRW024C	MONITORING WELL	9/21/20	NITRATE	0.03	0.10			1.57	mg/L
CRW024C	MONITORING WELL	12/7/20	NITRATE	0.03	0.10			1.35	mg/L
CRW024C	MONITORING WELL	6/15/21	NITRATE	0.03	0.10			1.58	mg/L
CRW024C	MONITORING WELL	9/21/20	SULFATE	0.13	0.40	J	J	0.35	mg/L
CRW024C	MONITORING WELL	12/7/20	SULFATE	0.13	0.40			0.44	mg/L
CRW024C	MONITORING WELL	6/15/21	SULFATE	0.13	0.40			0.47	mg/L
CRW024C	MONITORING WELL	9/21/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW024C	MONITORING WELL	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW024C	MONITORING WELL	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.34	ug/L
CRW024C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.42	mg/L
CRW024C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.42	mg/L
CRW024C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.42	mg/L
CRW024C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.41	mg/L
CRW024C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.41	mg/L
CRW024C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CRW024C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CRW024C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CRW024C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CRW024C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CRW024C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.42	mg/L
CRW024C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.42	mg/L
CRW024C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.41	mg/L
CRW024C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.40	mg/L
CRW024C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.39	mg/L
CRW024C	MONITORING WELL	9/21/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW024C	MONITORING WELL	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW024C	MONITORING WELL	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW024C	MONITORING WELL	9/21/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			24.30	ug/L
CRW024C	MONITORING WELL	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			20.90	ug/L
CRW024C	MONITORING WELL	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			26.10	ug/L
CRW024C	MONITORING WELL	9/21/20	TRITIUM	0.97	23.20			1820.00	pCi/mL
CRW024C	MONITORING WELL	12/7/20	TRITIUM	1.04	32.20			1600.00	pCi/mL
CRW024C	MONITORING WELL	6/15/21	TRITIUM	2.08	90.90			2300.00	pCi/mL
CRW025C	MONITORING WELL	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW025C	MONITORING WELL	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW025C	MONITORING WELL	12/7/20	CHLORIDE	0.07	0.20		J	2.08	mg/L
CRW025C	MONITORING WELL	6/15/21	CHLORIDE	0.07	0.20			2.36	mg/L
CRW025C	MONITORING WELL	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW025C	MONITORING WELL	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW025C	MONITORING WELL	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW025C	MONITORING WELL	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW025C	MONITORING WELL	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CRW025C	MONITORING WELL	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CRW025C	MONITORING WELL	12/7/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CRW025C	MONITORING WELL	6/15/21	METHANE	10.00	25.00	U	U	25.00	ug/L
CRW025C	MONITORING WELL	12/7/20	NITRATE	0.03	0.10			0.76	mg/L
CRW025C	MONITORING WELL	6/15/21	NITRATE	0.03	0.10			0.98	mg/L
CRW025C	MONITORING WELL	12/7/20	SULFATE	0.13	0.40	J	J	0.38	mg/L
CRW025C	MONITORING WELL	6/15/21	SULFATE	0.13	0.40			0.41	mg/L
CRW025C	MONITORING WELL	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW025C	MONITORING WELL	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW025C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CRW025C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.35	mg/L
CRW025C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.35	mg/L
CRW025C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.34	mg/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW025C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.34	mg/L
CRW025C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.69	mg/L
CRW025C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.65	mg/L
CRW025C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.65	mg/L
CRW025C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.64	mg/L
CRW025C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.63	mg/L
CRW025C	MONITORING WELL	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW025C	MONITORING WELL	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW025C	MONITORING WELL	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			8.31	ug/L
CRW025C	MONITORING WELL	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			19.00	ug/L
CRW025C	MONITORING WELL	12/7/20	TRITIUM	0.90	9.38			169.00	pCi/mL
CRW025C	MONITORING WELL	6/15/21	TRITIUM	0.63	8.81			208.00	pCi/mL
CRW026C	MONITORING WELL	9/21/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW026C	MONITORING WELL	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW026C	MONITORING WELL	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW026C	MONITORING WELL	9/21/20	CHLORIDE	0.07	0.20			2.17	mg/L
CRW026C	MONITORING WELL	12/7/20	CHLORIDE	0.07	0.20			1.88	mg/L
CRW026C	MONITORING WELL	6/15/21	CHLORIDE	0.07	0.20			1.75	mg/L
CRW026C	MONITORING WELL	9/21/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW026C	MONITORING WELL	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW026C	MONITORING WELL	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW026C	MONITORING WELL	9/21/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW026C	MONITORING WELL	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW026C	MONITORING WELL	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW026C	MONITORING WELL	9/21/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CRW026C	MONITORING WELL	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CRW026C	MONITORING WELL	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CRW026C	MONITORING WELL	9/21/20	METHANE	10.00	25.00		J	36.50	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW026C	MONITORING WELL	12/7/20	METHANE	10.00	25.00		J	77.40	ug/L
CRW026C	MONITORING WELL	6/15/21	METHANE	10.00	25.00			106.00	ug/L
CRW026C	MONITORING WELL	9/21/20	NITRATE	0.03	0.10			0.28	mg/L
CRW026C	MONITORING WELL	12/7/20	NITRATE	0.03	0.10			0.17	mg/L
CRW026C	MONITORING WELL	6/15/21	NITRATE	0.03	0.10			0.38	mg/L
CRW026C	MONITORING WELL	9/21/20	SULFATE	0.13	0.40			1.64	mg/L
CRW026C	MONITORING WELL	12/7/20	SULFATE	0.13	0.40			1.13	mg/L
CRW026C	MONITORING WELL	6/15/21	SULFATE	0.13	0.40	J	J	0.37	mg/L
CRW026C	MONITORING WELL	9/21/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW026C	MONITORING WELL	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW026C	MONITORING WELL	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW026C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			2.12	mg/L
CRW026C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			2.11	mg/L
CRW026C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			2.10	mg/L
CRW026C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			2.10	mg/L
CRW026C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00			2.05	mg/L
CRW026C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			3.69	mg/L
CRW026C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			3.69	mg/L
CRW026C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			3.65	mg/L
CRW026C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			3.65	mg/L
CRW026C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00			3.58	mg/L
CRW026C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.59	mg/L
CRW026C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.58	mg/L
CRW026C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.57	mg/L
CRW026C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.55	mg/L
CRW026C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.54	mg/L
CRW026C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00			2.46	mg/L
CRW026C	MONITORING WELL	9/21/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW026C	MONITORING WELL	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW026C	MONITORING WELL	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW026C	MONITORING WELL	9/21/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			12.10	ug/L
CRW026C	MONITORING WELL	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			5.68	ug/L
CRW026C	MONITORING WELL	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			4.66	ug/L
CRW026C	MONITORING WELL	9/21/20	TRITIUM	1.01	24.40			1930.00	pCi/mL
CRW026C	MONITORING WELL	12/7/20	TRITIUM	0.97	27.80			1380.00	pCi/mL
CRW026C	MONITORING WELL	6/15/21	TRITIUM	1.39	45.40			1130.00	pCi/mL
CRW027C	MONITORING WELL	9/21/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW027C	MONITORING WELL	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW027C	MONITORING WELL	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW027C	MONITORING WELL	9/21/20	CHLORIDE	0.07	0.20			1.99	mg/L
CRW027C	MONITORING WELL	12/7/20	CHLORIDE	0.07	0.20		J	1.76	mg/L
CRW027C	MONITORING WELL	6/15/21	CHLORIDE	0.07	0.20			1.80	mg/L
CRW027C	MONITORING WELL	9/21/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW027C	MONITORING WELL	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW027C	MONITORING WELL	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW027C	MONITORING WELL	9/21/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW027C	MONITORING WELL	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW027C	MONITORING WELL	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW027C	MONITORING WELL	9/21/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CRW027C	MONITORING WELL	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CRW027C	MONITORING WELL	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CRW027C	MONITORING WELL	9/21/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CRW027C	MONITORING WELL	12/7/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CRW027C	MONITORING WELL	6/15/21	METHANE	10.00	25.00	U	U	25.00	ug/L
CRW027C	MONITORING WELL	9/21/20	NITRATE	0.03	0.10			1.33	mg/L
CRW027C	MONITORING WELL	12/7/20	NITRATE	0.03	0.10			1.15	mg/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW027C	MONITORING WELL	6/15/21	NITRATE	0.03	0.10			1.30	mg/L
CRW027C	MONITORING WELL	9/21/20	SULFATE	0.13	0.40	J	J	0.33	mg/L
CRW027C	MONITORING WELL	12/7/20	SULFATE	0.13	0.40	J	J	0.34	mg/L
CRW027C	MONITORING WELL	6/15/21	SULFATE	0.13	0.40	J	J	0.38	mg/L
CRW027C	MONITORING WELL	9/21/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW027C	MONITORING WELL	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW027C	MONITORING WELL	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CRW027C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.42	mg/L
CRW027C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.41	mg/L
CRW027C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.41	mg/L
CRW027C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.41	mg/L
CRW027C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.40	mg/L
CRW027C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.48	mg/L
CRW027C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.38	mg/L
CRW027C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.36	mg/L
CRW027C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.35	mg/L
CRW027C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.33	mg/L
CRW027C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.70	mg/L
CRW027C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.63	mg/L
CRW027C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.63	mg/L
CRW027C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.60	mg/L
CRW027C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.59	mg/L
CRW027C	MONITORING WELL	9/21/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW027C	MONITORING WELL	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW027C	MONITORING WELL	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW027C	MONITORING WELL	9/21/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			2.93	ug/L
CRW027C	MONITORING WELL	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			2.09	ug/L
CRW027C	MONITORING WELL	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			2.32	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW027C	MONITORING WELL	9/21/20	TRITIUM	0.97	16.40			864.00	pCi/mL
CRW027C	MONITORING WELL	12/7/20	TRITIUM	0.92	21.70			1000.00	pCi/mL
CRW027C	MONITORING WELL	6/15/21	TRITIUM	1.18	34.40			853.00	pCi/mL
CRW028C	MONITORING WELL	9/21/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW028C	MONITORING WELL	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW028C	MONITORING WELL	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CRW028C	MONITORING WELL	9/21/20	CHLORIDE	0.07	0.20			2.29	mg/L
CRW028C	MONITORING WELL	12/7/20	CHLORIDE	0.07	0.20			2.03	mg/L
CRW028C	MONITORING WELL	6/15/21	CHLORIDE	0.07	0.20			2.19	mg/L
CRW028C	MONITORING WELL	9/21/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW028C	MONITORING WELL	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW028C	MONITORING WELL	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CRW028C	MONITORING WELL	9/21/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW028C	MONITORING WELL	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW028C	MONITORING WELL	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW028C	MONITORING WELL	9/21/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CRW028C	MONITORING WELL	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CRW028C	MONITORING WELL	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CRW028C	MONITORING WELL	9/21/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CRW028C	MONITORING WELL	12/7/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CRW028C	MONITORING WELL	6/15/21	METHANE	10.00	25.00	U	U	25.00	ug/L
CRW028C	MONITORING WELL	9/21/20	NITRATE	0.03	0.10			1.49	mg/L
CRW028C	MONITORING WELL	12/7/20	NITRATE	0.03	0.10			1.40	mg/L
CRW028C	MONITORING WELL	6/15/21	NITRATE	0.03	0.10			1.47	mg/L
CRW028C	MONITORING WELL	9/21/20	SULFATE	0.13	0.40	U	U	0.40	mg/L
CRW028C	MONITORING WELL	12/7/20	SULFATE	0.13	0.40			0.43	mg/L
CRW028C	MONITORING WELL	6/15/21	SULFATE	0.13	0.40			0.46	mg/L
CRW028C	MONITORING WELL	9/21/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.49	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW028C	MONITORING WELL	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.50	ug/L
CRW028C	MONITORING WELL	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.40	ug/L
CRW028C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.45	mg/L
CRW028C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.44	mg/L
CRW028C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.44	mg/L
CRW028C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.44	mg/L
CRW028C	MONITORING WELL	9/21/20	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.43	mg/L
CRW028C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CRW028C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CRW028C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CRW028C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CRW028C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CRW028C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CRW028C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CRW028C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CRW028C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CRW028C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CRW028C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.60	mg/L
CRW028C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.60	mg/L
CRW028C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.60	mg/L
CRW028C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.59	mg/L
CRW028C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.58	mg/L
CRW028C	MONITORING WELL	9/21/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW028C	MONITORING WELL	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW028C	MONITORING WELL	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CRW028C	MONITORING WELL	9/21/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			6.37	ug/L
CRW028C	MONITORING WELL	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			9.07	ug/L
CRW028C	MONITORING WELL	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00		J	7.25	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW028C	MONITORING WELL	9/21/20	TRITIUM	0.99	21.60			1540.00	pCi/mL
CRW028C	MONITORING WELL	12/7/20	TRITIUM	0.99	28.80			1430.00	pCi/mL
CRW028C	MONITORING WELL	6/15/21	TRITIUM	1.24	38.00		J	943.00	pCi/mL
CSB 3C	MONITORING WELL	11/17/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB 3C	MONITORING WELL	11/17/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB 3C	MONITORING WELL	11/17/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB 3C	MONITORING WELL	11/17/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CSB 3C	MONITORING WELL	11/17/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB 3C	MONITORING WELL	11/17/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			3.29	ug/L
CSB 3C	MONITORING WELL	11/17/20	TRITIUM	0.81	13.00			312.00	pCi/mL
CSB 9D	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB 9D	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB 9D	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB 9D	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CSB 9D	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB 9D	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CSB 9D	MONITORING WELL	11/18/20	TRITIUM	0.70	4.82			50.60	pCi/mL
CSB 11D	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB 11D	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB 11D	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB 11D	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CSB 11D	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB 11D	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CSB 11D	MONITORING WELL	11/18/20	TRITIUM	0.73	3.53			21.10	pCi/mL
CSB 12D	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB 12D	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB 12D	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB 12D	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSB 12D	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB 12D	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CSB 12D	MONITORING WELL	11/18/20	TRITIUM	0.72	3.32			18.40	pCi/mL
CSB 13D	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB 13D	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB 13D	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB 13D	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CSB 13D	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB 13D	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CSB 13D	MONITORING WELL	11/18/20	TRITIUM	0.73	4.89			49.10	pCi/mL
CSB 15D	MONITORING WELL	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB 15D	MONITORING WELL	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB 15D	MONITORING WELL	12/7/20	CHLORIDE	0.07	0.20			2.15	mg/L
CSB 15D	MONITORING WELL	6/15/21	CHLORIDE	0.07	0.20			2.22	mg/L
CSB 15D	MONITORING WELL	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB 15D	MONITORING WELL	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB 15D	MONITORING WELL	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB 15D	MONITORING WELL	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB 15D	MONITORING WELL	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CSB 15D	MONITORING WELL	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CSB 15D	MONITORING WELL	12/7/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CSB 15D	MONITORING WELL	6/15/21	METHANE	10.00	25.00	U	U	25.00	ug/L
CSB 15D	MONITORING WELL	12/7/20	NITRATE	0.03	0.10			0.78	mg/L
CSB 15D	MONITORING WELL	6/15/21	NITRATE	0.03	0.10			0.90	mg/L
CSB 15D	MONITORING WELL	12/7/20	SULFATE	0.13	0.40	J	J	0.38	mg/L
CSB 15D	MONITORING WELL	6/15/21	SULFATE	0.13	0.40	J	J	0.39	mg/L
CSB 15D	MONITORING WELL	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CSB 15D	MONITORING WELL	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.47	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSB 15D	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CSB 15D	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CSB 15D	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CSB 15D	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CSB 15D	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CSB 15D	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.37	mg/L
CSB 15D	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.36	mg/L
CSB 15D	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.36	mg/L
CSB 15D	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.36	mg/L
CSB 15D	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.36	mg/L
CSB 15D	MONITORING WELL	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB 15D	MONITORING WELL	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB 15D	MONITORING WELL	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			30.30	ug/L
CSB 15D	MONITORING WELL	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			41.40	ug/L
CSB 15D	MONITORING WELL	12/7/20	TRITIUM	0.92	12.80			322.00	pCi/mL
CSB 15D	MONITORING WELL	6/15/21	TRITIUM	0.83	16.80			409.00	pCi/mL
CSB011B	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB011B	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB011B	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB011B	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CSB011B	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB011B	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CSB011B	MONITORING WELL	11/18/20	TRITIUM	0.63	1.43	U	U	0.62	pCi/mL
CSB011C	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB011C	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB011C	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB011C	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CSB011C	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSB011C	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			1.43	ug/L
CSB011C	MONITORING WELL	11/18/20	TRITIUM	0.63	1.57			1.69	pCi/mL
CSB013B	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB013B	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB013B	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB013B	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CSB013B	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB013B	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CSB013B	MONITORING WELL	11/18/20	TRITIUM	0.59	4.15			54.00	pCi/mL
CSB015B	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB015B	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB015B	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB015B	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CSB015B	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB015B	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CSB015B	MONITORING WELL	11/18/20	TRITIUM	0.63	1.31	U	U	-0.13	pCi/mL
CSB017B	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB017B	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB017B	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB017B	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CSB017B	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB017B	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			7.59	ug/L
CSB017B	MONITORING WELL	11/18/20	TRITIUM	1.38	39.00			967.00	pCi/mL
CSB017D	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB017D	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB017D	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB017D	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.41	ug/L
CSB017D	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSB017D	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			12.00	ug/L
CSB017D	MONITORING WELL	11/18/20	TRITIUM	0.63	4.71			68.10	pCi/mL
CSB019B	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB019B	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB019B	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB019B	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.46	ug/L
CSB019B	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB019B	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			1.56	ug/L
CSB019B	MONITORING WELL	11/18/20	TRITIUM	0.98	20.90			511.00	pCi/mL
CSB019C	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB019C	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB019C	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB019C	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CSB019C	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB019C	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CSB019C	MONITORING WELL	11/18/20	TRITIUM	0.65	2.03			5.83	pCi/mL
CSB020B	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB020B	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB020B	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB020B	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CSB020B	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB020B	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CSB020B	MONITORING WELL	11/18/20	TRITIUM	0.63	1.71			2.84	pCi/mL
CSB020C	MONITORING WELL	12/7/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB020C	MONITORING WELL	6/15/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB020C	MONITORING WELL	12/7/20	CHLORIDE	0.07	0.20			2.34	mg/L
CSB020C	MONITORING WELL	6/15/21	CHLORIDE	0.07	0.20			2.61	mg/L
CSB020C	MONITORING WELL	12/7/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSB020C	MONITORING WELL	6/15/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB020C	MONITORING WELL	12/7/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB020C	MONITORING WELL	6/15/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB020C	MONITORING WELL	12/7/20	ETHYLENE	10.00	25.00	U	UJ	25.00	ug/L
CSB020C	MONITORING WELL	6/15/21	ETHYLENE	10.00	25.00	U	U	25.00	ug/L
CSB020C	MONITORING WELL	12/7/20	METHANE	10.00	25.00	U	UJ	25.00	ug/L
CSB020C	MONITORING WELL	6/15/21	METHANE	10.00	25.00	J	J	10.90	ug/L
CSB020C	MONITORING WELL	12/7/20	NITRATE	0.03	0.10			1.20	mg/L
CSB020C	MONITORING WELL	6/15/21	NITRATE	0.03	0.10			1.38	mg/L
CSB020C	MONITORING WELL	12/7/20	SULFATE	0.13	0.40	J	J	0.39	mg/L
CSB020C	MONITORING WELL	6/15/21	SULFATE	0.13	0.40	J	J	0.39	mg/L
CSB020C	MONITORING WELL	12/7/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.55	ug/L
CSB020C	MONITORING WELL	6/15/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.60	ug/L
CSB020C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CSB020C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CSB020C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CSB020C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CSB020C	MONITORING WELL	12/7/20	TOTAL ORGANIC CARBON	0.33	1.00	U	U	1.00	mg/L
CSB020C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.44	mg/L
CSB020C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.43	mg/L
CSB020C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.43	mg/L
CSB020C	MONITORING WELL	6/15/21	TOTAL ORGANIC CARBON	0.33	1.00	J	J	0.41	mg/L
CSB020C	MONITORING WELL	12/7/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB020C	MONITORING WELL	6/15/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB020C	MONITORING WELL	12/7/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			41.00	ug/L
CSB020C	MONITORING WELL	6/15/21	TRICHLOROETHYLENE (TCE)	0.33	1.00			41.60	ug/L
CSB020C	MONITORING WELL	12/7/20	TRITIUM	0.91	12.90			336.00	pCi/mL

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSB020C	MONITORING WELL	6/15/21	TRITIUM	0.75	13.60			326.00	pCi/mL
CSB020D	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB020D	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB020D	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB020D	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CSB020D	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB020D	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CSB020D	MONITORING WELL	11/18/20	TRITIUM	0.63	1.61			2.03	pCi/mL
CSB021D	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSB021D	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSB021D	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB021D	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CSB021D	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSB021D	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.67	ug/L
CSB021D	MONITORING WELL	11/18/20	TRITIUM	0.68	8.42			196.00	pCi/mL
CSL001	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSL001	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSL001	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSL001	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CSL001	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSL001	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CSL001	MONITORING WELL	11/18/20	TRITIUM	0.60	1.26	U	U	-0.03	pCi/mL
CSL002	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CSL002	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CSL002	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSL002	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CSL002	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CSL002	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSL002	MONITORING WELL	11/18/20	TRITIUM	0.62	2.78			17.80	pCi/mL
CTA003D	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CTA003D	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CTA003D	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CTA003D	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.71	ug/L
CTA003D	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CTA003D	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CTA003D	MONITORING WELL	11/18/20	TRITIUM	1.42	42.00			1040.00	pCi/mL
CTA004D	MONITORING WELL	11/18/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
CTA004D	MONITORING WELL	11/18/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
CTA004D	MONITORING WELL	11/18/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CTA004D	MONITORING WELL	11/18/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
CTA004D	MONITORING WELL	11/18/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
CTA004D	MONITORING WELL	11/18/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
CTA004D	MONITORING WELL	11/18/20	TRITIUM	0.64	1.52	J	J	1.09	pCi/mL
FMT 01	SURFACE WATER	12/14/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
FMT 01	SURFACE WATER	6/16/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
FMT 01	SURFACE WATER	12/14/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
FMT 01	SURFACE WATER	6/16/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
FMT 01	SURFACE WATER	12/14/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
FMT 01	SURFACE WATER	6/16/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
FMT 01	SURFACE WATER	12/14/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
FMT 01	SURFACE WATER	6/16/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
FMT 01	SURFACE WATER	12/14/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
FMT 01	SURFACE WATER	6/16/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
FMT 01	SURFACE WATER	12/14/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
FMT 01	SURFACE WATER	6/16/21	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
FMT 01	SURFACE WATER	12/14/20	TRITIUM	0.84	3.62			16.80	pCi/mL

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
FMT 01	SURFACE WATER	6/16/21	TRITIUM	0.73	3.15			16.10	pCi/mL
FMT 02	SURFACE WATER	12/14/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
FMT 02	SURFACE WATER	6/16/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
FMT 02	SURFACE WATER	12/14/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
FMT 02	SURFACE WATER	6/16/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
FMT 02	SURFACE WATER	12/14/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
FMT 02	SURFACE WATER	6/16/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
FMT 02	SURFACE WATER	12/14/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
FMT 02	SURFACE WATER	6/16/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
FMT 02	SURFACE WATER	12/14/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
FMT 02	SURFACE WATER	6/16/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
FMT 02	SURFACE WATER	12/14/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
FMT 02	SURFACE WATER	6/16/21	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
FMT 02	SURFACE WATER	12/14/20	TRITIUM	0.84	3.44			14.10	pCi/mL
FMT 02	SURFACE WATER	6/16/21	TRITIUM	0.75	3.11			15.00	pCi/mL
FM-TL	SURFACE WATER	12/14/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
FM-TL	SURFACE WATER	6/16/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
FM-TL	SURFACE WATER	12/14/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
FM-TL	SURFACE WATER	6/16/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
FM-TL	SURFACE WATER	12/14/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
FM-TL	SURFACE WATER	6/16/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
FM-TL	SURFACE WATER	12/14/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
FM-TL	SURFACE WATER	6/16/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
FM-TL	SURFACE WATER	12/14/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
FM-TL	SURFACE WATER	6/16/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
FM-TL	SURFACE WATER	12/14/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
FM-TL	SURFACE WATER	6/16/21	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
FM-TL	SURFACE WATER	12/14/20	TRITIUM	0.84	5.02			40.30	pCi/mL

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
FM-TL	SURFACE WATER	6/16/21	TRITIUM	0.75	4.03			30.50	pCi/mL
TL 01	SURFACE WATER	12/14/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
TL 01	SURFACE WATER	6/16/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
TL 01	SURFACE WATER	12/14/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
TL 01	SURFACE WATER	6/16/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
TL 01	SURFACE WATER	12/14/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
TL 01	SURFACE WATER	6/16/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
TL 01	SURFACE WATER	12/14/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
TL 01	SURFACE WATER	6/16/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
TL 01	SURFACE WATER	12/14/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
TL 01	SURFACE WATER	6/16/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
TL 01	SURFACE WATER	12/14/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
TL 01	SURFACE WATER	6/16/21	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
TL 01	SURFACE WATER	12/14/20	TRITIUM	0.88	2.00	U	U	0.84	pCi/mL
TL 01	SURFACE WATER	6/16/21	TRITIUM	0.81	1.93	J	J	1.27	pCi/mL
TL 03	SURFACE WATER	12/14/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
TL 03	SURFACE WATER	6/16/21	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	ug/L
TL 03	SURFACE WATER	12/14/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
TL 03	SURFACE WATER	6/16/21	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	ug/L
TL 03	SURFACE WATER	12/14/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
TL 03	SURFACE WATER	6/16/21	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
TL 03	SURFACE WATER	12/14/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
TL 03	SURFACE WATER	6/16/21	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	ug/L
TL 03	SURFACE WATER	12/14/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
TL 03	SURFACE WATER	6/16/21	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	ug/L
TL 03	SURFACE WATER	12/14/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
TL 03	SURFACE WATER	6/16/21	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	ug/L
TL 03	SURFACE WATER	12/14/20	TRITIUM	0.88	5.10			38.70	pCi/mL

Appendix F. CAGW OU Data July 2020 through June 2021									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
TL 03	SURFACE WATER	6/16/21	TRITIUM	0.75	3.91			28.00	pCi/mL