



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

April 2019 through June 2020

SEMS Number: 82

SRNS-RP-2020-00566

Revision 0

September 2020

DISCLAIMER

This document was prepared in conjunction with work accomplished under Contract No. DE-AC09-08SR22470 with the U.S. Department of Energy.

This work was prepared under an agreement with and funded by the U.S. Government. Neither the U.S. Government or its employees, nor any of its contractors, subcontractors or their employees, makes any express or implied: 1. warranty or assumes any legal liability for the accuracy, completeness, or for the use or results of such use of any information, product, or process disclosed; or 2. representation that such use or results or such use would not infringe privately owned rights; or 3. endorsement or recommendation of any specifically identified commercial product, process, or service. Any views and opinions of authors expressed in this work do not necessarily state or reflect those of the United States Government, or its contractors, or subcontractors.

Printed in the United States of America

Prepared for
U.S. Department of Energy
and
Savannah River Nuclear Solutions, LLC
Aiken, South Carolina

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
LIST OF FIGURES	iv
LIST OF TABLES	iv
LIST OF APPENDICES	iii
LIST OF ABBREVIATIONS AND ACRONYMS	v
1.0 INTRODUCTION.....	1
2.0 OPERABLE UNIT DESCRIPTION AND HISTORY.....	1
2.1 Removal Action Characterization, Objectives and Implementation	2
2.2 CAGW OU Boundary and Monitoring Network.....	4
3.0 SITE HYDROGEOLOGY.....	5
3.1 Physiographic Setting.....	5
3.2 Hydrogeologic Setting.....	5
4.0 MONITORING AND REPORTING	6
4.1 Groundwater Monitoring Well Network.....	6
4.1.1 CAGW NTC RA Groundwater Monitoring Well Network.....	6
4.1.2 CAGW OU Groundwater Monitoring Well Network.....	7
4.2 Groundwater Elevation Measurements and Groundwater Flow Direction.....	8
4.3 Groundwater Sampling and Analyses	8
4.3.1 CAGW OU NTC RA Groundwater Sampling and Analyses.....	8
4.3.2 CAGW OU Groundwater Sampling and Analyses	9
4.4 Groundwater and Surface Water Results	10
4.4.1 CAGW OU NTC RA.....	10
4.4.2 CAGW OU.....	17
5.0 SUMMARY	20
6.0 RECOMMENDATIONS.....	21
7.0 REFERENCES.....	23

LIST OF APPENDICES

<u>Appendix</u>	<u>Page</u>
Appendix A CAGW OU NTC RA Result Tables	A-1
Appendix B Hydrographs.....	B-1
Appendix C Time-Series Plots.....	C-1
Appendix D TCE Plume Maps.....	D-1
Appendix E Potentiometric Maps.....	E-1
Appendix F CAGW OU Data July 2017 through June 2020	F-1

LIST OF FIGURES

<u>Figure</u>		<u>Page</u>
Figure 1.	Location of CAGW OU in Relation to the C-Reactor Facilities.....	25
Figure 2.	CAGW OU TCE Plume 2019.....	27
Figure 3.	CAGW OU NTC RA Areas (Baseline Conditions).....	29
Figure 4.	CAGW OU TCE Transport from C-Area to Castor Creek	31
Figure 5.	Schematic of Emulsified Oil Treatment Barrier.....	33
Figure 6.	CAGW OU Monitoring Stations	35
Figure 7.	Watertable Trends Near C-Reactor.....	37
Figure 8.	Watertable Trends Near Castor Creek.....	38
Figure 9.	Groundwater TCE Trends Near Castor Creek Tributary	39
Figure 10.	Surface Water TCE Trends in Castor Creek Tributary.....	40
Figure 11.	Surface Water TCE Trends in Castor Creek.....	41
Figure 12.	Groundwater Ethylene Trends.....	42
Figure 13.	CRW023C Post-RA Groundwater Trends.....	43
Figure 14.	CRW026C Post-RA Groundwater Trends.....	44
Figure 15.	Post-RA TOC Groundwater Trends.....	45
Figure 16.	CRW026C Microbial Activity November 2019.....	46
Figure 17.	CRW026C Microbial Activity December 2019	47
Figure 18.	CRW026C Microbial Activity January 2020	48
Figure 19.	CRW026C Microbial Activity February 2020	49
Figure 20.	CRW026C Microbial Activity June 2020	50
Figure 21.	CRW023C Field Measurement Trends	51
Figure 22.	CRW026C Field Measurement Trends	52
Figure 23.	CAGW OU Tritium Plume 2002 and 2019.....	53
Figure 24.	CAGW OU Tritium Distal Plume Trends.....	54

LIST OF TABLES

<u>Table</u>		<u>Page</u>
Table 1.	Sampling and Reporting Schedule	55
Table 2.	MCLs for Groundwater Constituents.....	55
Table 3.	Groundwater Maximum Concentrations	56
Table 4.	BioTrap Quantarray Data	57

LIST OF ABBREVIATIONS AND ACRONYMS

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
USDOE	U.S. Department of Energy
USEPA	U.S. Environmental Protection Agency
UTRA	Upper Three Runs Aquifer

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

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

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 first 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). In addition, based on agreement at the July 18, 2017 scoping meeting, this report also contains the previous years data from the broader CAGW monitoring network.

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.

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) that is being remediated by monitored natural attenuation (MNA) and is not part of the CAGW OU scope.

The 2019 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 (30.9 µg/L) in 2019. Well CRW023C was installed as an upgradient monitoring well, and the highest TCE result in 2019 was 23.4 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 all of 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 will 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 have been 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 have been used to observe reductive dechlorination. Semi-quantitative microbiological analysis will also be 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 (1983 - 2013) rainfall for SRS is 46.71 in/yr, based on data from the 773-A rain gauge (SRNL 2016). The average annual rainfall since SRS began collecting data (1952 - 2019) is 48.14 in/yr (SRNL 2020). In 2019, SRS received 47.72 in of rainfall, and in 2018 SRS received 55.37 in of rainfall, based on data from the 773-A rain gauge (SRNL 2020). 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 2019 and 2020, including data 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 TCE concentrations indicated and includes all of the CAGW OU monitoring stations. Appendix E is a series of potentiometric surface maps for the various aquifers 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, 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) and is 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 May 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 initial effectiveness monitoring consisting of three monthly samples were conducted on the nine primary stations. 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 and June for the nine primary stations. In June 2020, one round of effectiveness monitoring samples was collected at the nine peripheral stations.

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), which are sampled for VOC and tritium analyses (Figure 6). 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 water elevations, extending from 1995 to present, are displayed as hydrographs in Appendix B. Potentiometric surfaces for fourth quarter 2018 were 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 (CBD 1D, CBD 2 and CBD003D) have been rising since October 2018 up to 216.6 ft-msl (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 the MAZ near Castor Creek have been rising in 2020, ranging between 169.0 ft-msl near the unnamed tributary and up to 181.5 ft-msl 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)
- oxygen
- pH
- conductivity
- alkalinity
- 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 (CRW025C through CRW028C) down-gradient of the two injection areas are expected to have TCE groundwater concentrations decreasing below 5 µg/L over the next 5 years. 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 the next 5 years. Changes in field measurements such as increasing pH, methane and alkalinity with decreasing oxygen and ORP measurements, which indicate conditions favorable for TCE biodegradation to occur, are expected to be observed over the next 5 years. Microbial counts, especially of anaerobic bacteria, are also expected to increase in the groundwater samples over the next 5 years.

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*
- trans-1,2-dichloroethylene (trans-1,2-DCE)
- trichloroethylene (TCE)
- tritium
- vinyl chloride (VC)

* Only well CRW022D samples are analyzed for diesel range organics TPH, 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 frequency for all of the CAGW OU monitoring stations and analyses 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 2019-2020, except at wells CSB 15D and CSB020C which did not have sufficient water to fill all the bottles. 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. In 2020, TCE concentrations in groundwater increased for several of the CAGW OU NTC RA effectiveness monitoring stations (Appendix A and Table 3). Only TCE and tritium exceeded MCLs in groundwater samples collected during the 2019-2020 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 June 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 2019-2020 generally continued long-term decreasing trends. Data from 2019 monitoring showed 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), two wells exceeding 50 $\mu\text{g/L}$ 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 (Figure 2 and Figure 3). Results from the unnamed tributary to Castor Creek indicated elevated levels of TCE and tritium. 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 TCE result was 60 $\mu\text{g/L}$ at well CSB 15D for the 18 CAGW OU NTC RA effectiveness monitoring stations. In 2020, the maximum TCE result was 68.2 $\mu\text{g/L}$ at well CSB 15D for the 18 CAGW OU NTC RA effectiveness monitoring stations. The 2019 and 2020

maximums exceed the MCL (5 µg/L) and the upgradient well CSB 15D has had an increasing trend for TCE since 2015. Upgradient wells CSB020C, CRW023C and CRW024C also had increasing TCE groundwater concentrations in June 2020 (Figure 9). TCE sample concentrations exceeded the MCL at 13 stations of the 18 stations during the 2019-2020 sampling period. All three surface water stations (CCT-01, CCT-02 and CCT-03) in the unnamed tributary had elevated TCE concentrations, but in 2020 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 (2020).

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 2019 and 2020, NTC RA monitoring well CSB 15D had the highest TCE groundwater concentrations (60.0 µg/L and 68.2 µg/L, respectively), which exceed the MCL (5 µg/L) and continues an increasing trend since 2015. Wells CRW024C and CRW023C are slightly upgradient of injection Areas 1 and 2, respectively, and groundwater at both of these wells had slightly increasing groundwater TCE concentrations in 2020. Downgradient wells CRW025C, CRW027C and CRW028C had slightly decreasing groundwater TCE concentrations in 2020, but downgradient well CRW026C groundwater TCE concentrations increased from 4.76 µg/L to 34.5 µg/L (Figure 9). As such, it does not appear that the CAGW OU NTC has had a significant impact on groundwater TCE concentrations in the MAZ during the first year of monitoring. 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 4.11 µg/L to 10.9 µg/L in 2019 and 2020, but all three monitoring stations had slightly decreasing TCE concentrations in 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 1.47 µg/L to 2.06 µg/L in 2019 and 2020, and all three monitoring stations had slightly increasing TCE concentrations in 2020 (Figure 11). Since November 2014, CC-07 has had slowly increasing surface water TCE concentrations from 1.00 µg/L to 2.06 µg/L, which is consistent with the observed eastward shift of where the CAGW OU TCE groundwater plume discharges to Castor Creek.

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. The farthest up-stream and eastward surface water monitoring station on Castor Creek, CC-06 sample TCE concentrations decreased to 0.70 µg/L in 2020. The down-stream surface water monitoring station CC-01 sample TCE concentration decreased slightly (< 10%) to 0.42 µg/L in 2020. CC-02 is the farthest down-stream and westward surface water monitoring station on Castor Creek, and in 2020 it's sample TCE concentration decreased to below detection limits. 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 2019 and 2020.

Surface water data are tabulated in Appendix A, and the 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 2019, for the 18 CAGW OU NTC RA effectiveness monitoring stations the maximum PCE result was 0.56 µg/L at well CRW023C. In 2020, for the 18 CAGW OU NTC

RA effectiveness monitoring stations the maximum PCE result was 0.68 µg/L at well CRW028C. For 2019 and 2020, the maximum PCE groundwater concentrations were below the MCL (5 µg/L). In 2019 and 2020, 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

In 2019 and 2020, cis-1,2-DCE was detected in two CAGW OU NTC RA seepline stations (CCSL-11 and CCSL-23R) and three surface water stations (CCT-01, 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 1.75 µg/L in the June 2019 sample from seepline station CCSL-11. 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. It is also possible the zone of influence of the CAGW OU NTC RA is not as extensive as anticipated by SRS. The 2019 and 2020 cis-1,2-DCE data are tabulated in Appendix A.

4.4.1.4 Vinyl Chloride

During the 2019-2020 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. It is also possible the zone of influence of the CAGW OU NTC RA is not as extensive as anticipated by SRS. The 2019 and 2020 VC data are tabulated in Appendix A and Appendix F.

4.4.1.5 Ethylene

During the 2019-2020 sampling period, ethylene was detected at low levels (< 1.0 µg/L) in seepline station CCSL-08, which is consistent with previous years. During the 2019-2020 sampling period, ethylene was detected at low levels (< 1.0 µg/L) in the five wells nearest the injection areas (CRW023C, CRW024C, CRW026C, CRW027C and CRW028C) (Figure 12). All the detectable

results occurred in the December 2019, January 2020 and February 2020 samples, and none of the samples prior to the CAGW OU NTC RA from these wells had detectable levels of ethylene. Wells farther away and upgradient of the injection areas did not have detectable levels of ethylene in the 2019 or 2020 samples. Laboratory problems led to elevated ethylene MDLs for the June 2020 samples and rendering the results of no value. These ethylene data are an indication of complete biodegradation through vinyl chloride is occurring within portions of the injection areas.

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 (maximum $26.2 \mu\text{g/L}$) was observed at well CRW026C in the post removal action samples (December 2019 – June 2020). All the CRW026C pre-removal action samples were below the detection limits for methane. The June 2020 groundwater sample from well CRW027C had elevated concentrations ($15.6 \mu\text{g/l}$) of methane, while all previous samples were below detection limits for methane. During the 2019-2020 sampling period, methane was detected at low levels ($< 1.0 \mu\text{g/L}$) in the post-removal action samples in the other three wells (CRW023C, CRW024C and CRW028C) near the injection areas. All the detectable results occurred in the December 2019, January 2020 and February 2020 samples, 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 indicate more optimal conditions (USAF 2007).

During the 2019-2020 sampling period, methane was 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. 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 similar to the post removal average for five samples was 11.34 µg/L and may indicate this area of the CAGW OU NTC RA may be more conducive to anaerobic reductive dechlorination.

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 was 1.903 mg/l, while the post-removal action average for five samples was 2.22 mg/L. The average chloride concentration of four pre-removal action samples from station CRW026C was 1.75 mg/l, while the post-removal action average for five samples was 2.45 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 was 1.53 mg/l, while the post-removal action average for five samples was 1.19 mg/L. The average nitrate concentration of three pre-removal action samples from station CRW026C was 1.33 mg/l, while the post-removal action average for five samples was 0.41 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 was 0.393 mg/l, while the post-removal action average for five samples was 1.029 mg/L. The average sulfate concentration of four pre-removal action samples from station CRW026C was 0.52 mg/l, while the post-removal action average for five samples was 2.14 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 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). 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.

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 halorespiring 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 seep line 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 16-20). It appears microbial activity increases from November 2019 through February 2020, but the June 2020 BioTrap data shows very little anaerobic microbial activity. It is possible the conditions conducive to microbial activity are more localized over time than originally anticipated by SRS.

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 21 and Figure 22).

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 203 µg/L for

the June 2019 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 2020 TCE plume has not changed significantly in concentration or extent since last 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 (2020). 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 2020 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 TCE 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 2019 and 2020 relative to historic highs or remain below the MCL. The distal TCE plume stations are within the CAGW OU NTC RA area and are discussed in section 4.4.1.1.

Lower Aquifer Zone (LAZ)

In 2019 and 2020, 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. CRW 10C was the well with the highest groundwater TCE concentrations in 2019 and 2020 at 9.02 µg/L and 8.08 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 2019 and 2020. 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 2019 and 2020, 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 1.68 µg/L for the June 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 2019 and 2020, all CAGW OU surface water stations monitoring Castor

Creek and FMB had samples with PCE concentrations below the detection limits. The 2019 and 2020 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 two monitoring wells (CRW020D and CRW021DR) immediately down-gradient of the former VOC vadose zone source area remediated by the ERH-SVE system. The 2019-2020 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 2019 and 2020 cis-1,2-DCE data are tabulated in Appendix F.

4.4.2.4 Vinyl Chloride

During the 2019-2020 sampling period, VC was not detected in any of the CAGW OU monitoring stations, which is consistent with previous years. The 2019 and 2020 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 23). 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 24).

5.0 SUMMARY

Groundwater and surface water data from 2019 and 2020 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. 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. These changes were primarily limited to wells CRW023C and CRW026C, indicating limited aerial impact outside of the injection zone. However, it is not clear why corresponding reductions in TCE have not been observed in those wells.

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 levels of TCE observed in wells downgradient of the injection.

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 also recommends installing two wells: one well within each of the bio-barriers created by CAGWOU NTC RA to assess the changes in groundwater biogeochemistry and contaminant levels. This will be targeted for the FY22 budget cycle.

The next CAGW OU NTC RA EMR is scheduled for September 2021 (Table 1) and will discuss data collected in the second half of 2020 and the first half of 2021.

This page was intentionally left blank.

7.0 REFERENCES

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

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, 2016. *Trends in Atmospheric Climate Parameters Measured at SRS 1964-2013*, Stephen Weinbeck, SRNL-L2200-20-00004, April 20, 2016, Savannah River National Laboratory, Savannah River Nuclear Solutions LLC, Savannah River Site, Aiken, SC

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

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

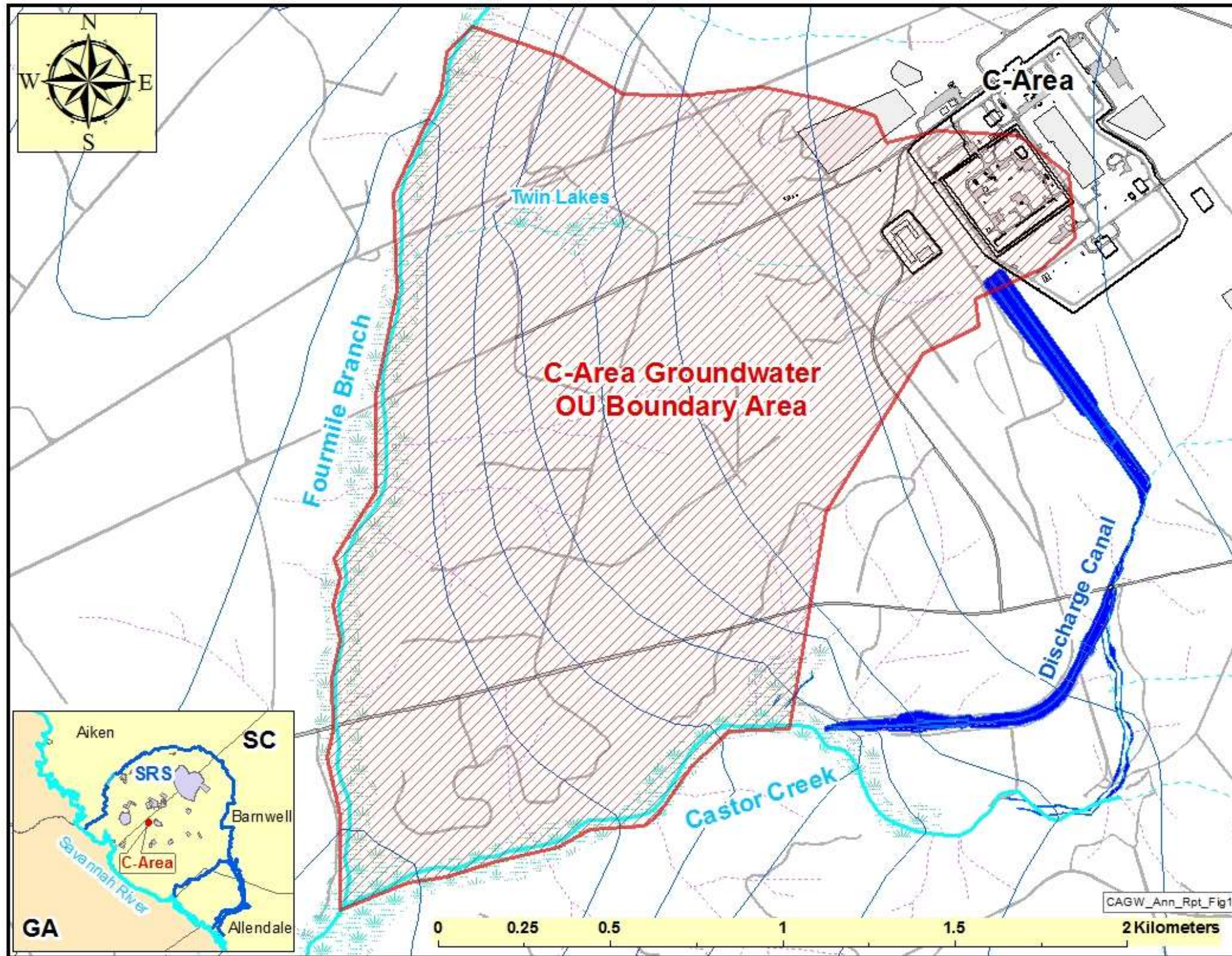


Figure 1. Location of CAGW OU in Relation to the C-Reactor Facilities

This page was intentionally left blank.

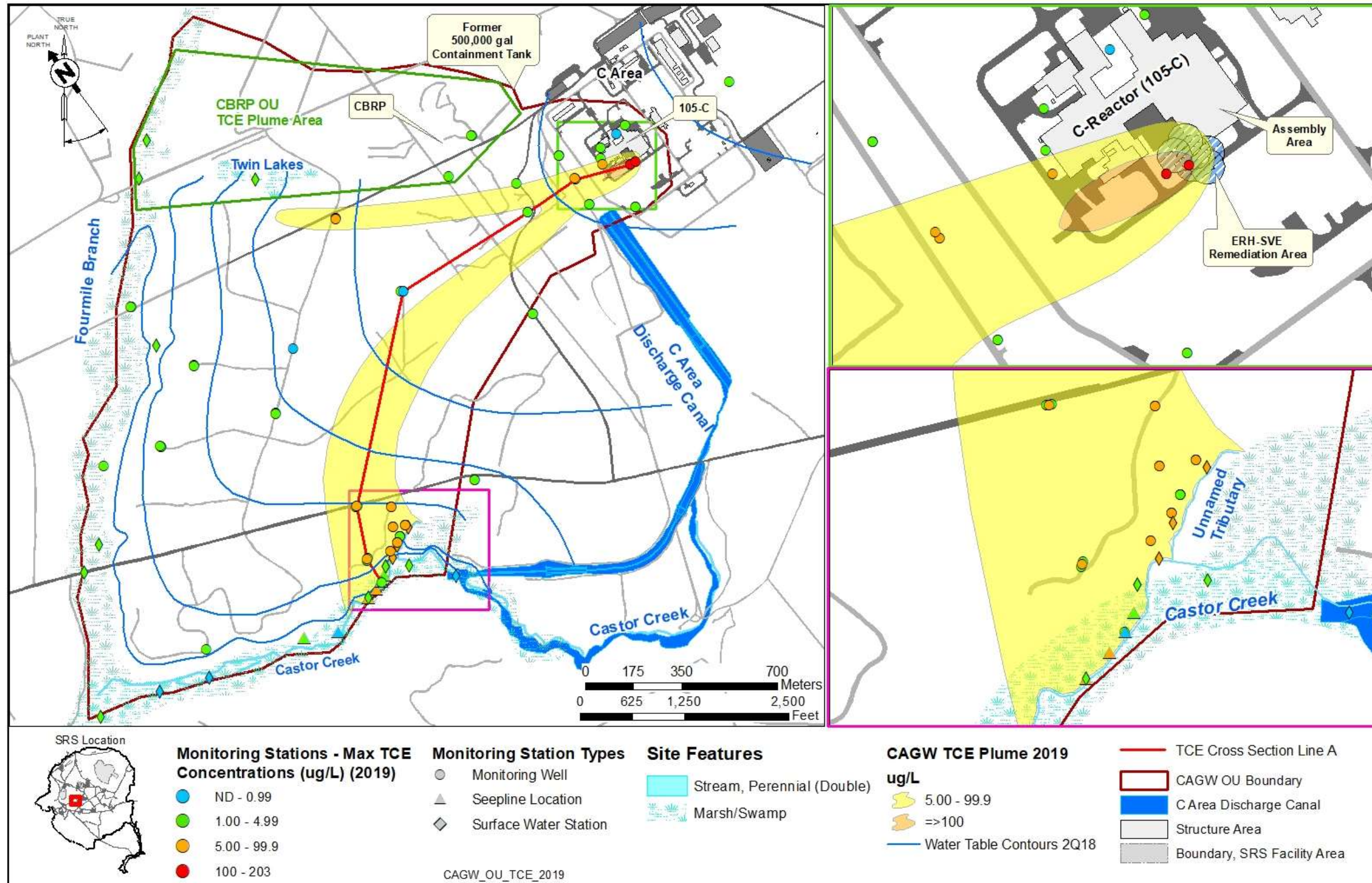


Figure 2. CAGW OU TCE Plume 2019

This page was intentionally left blank.

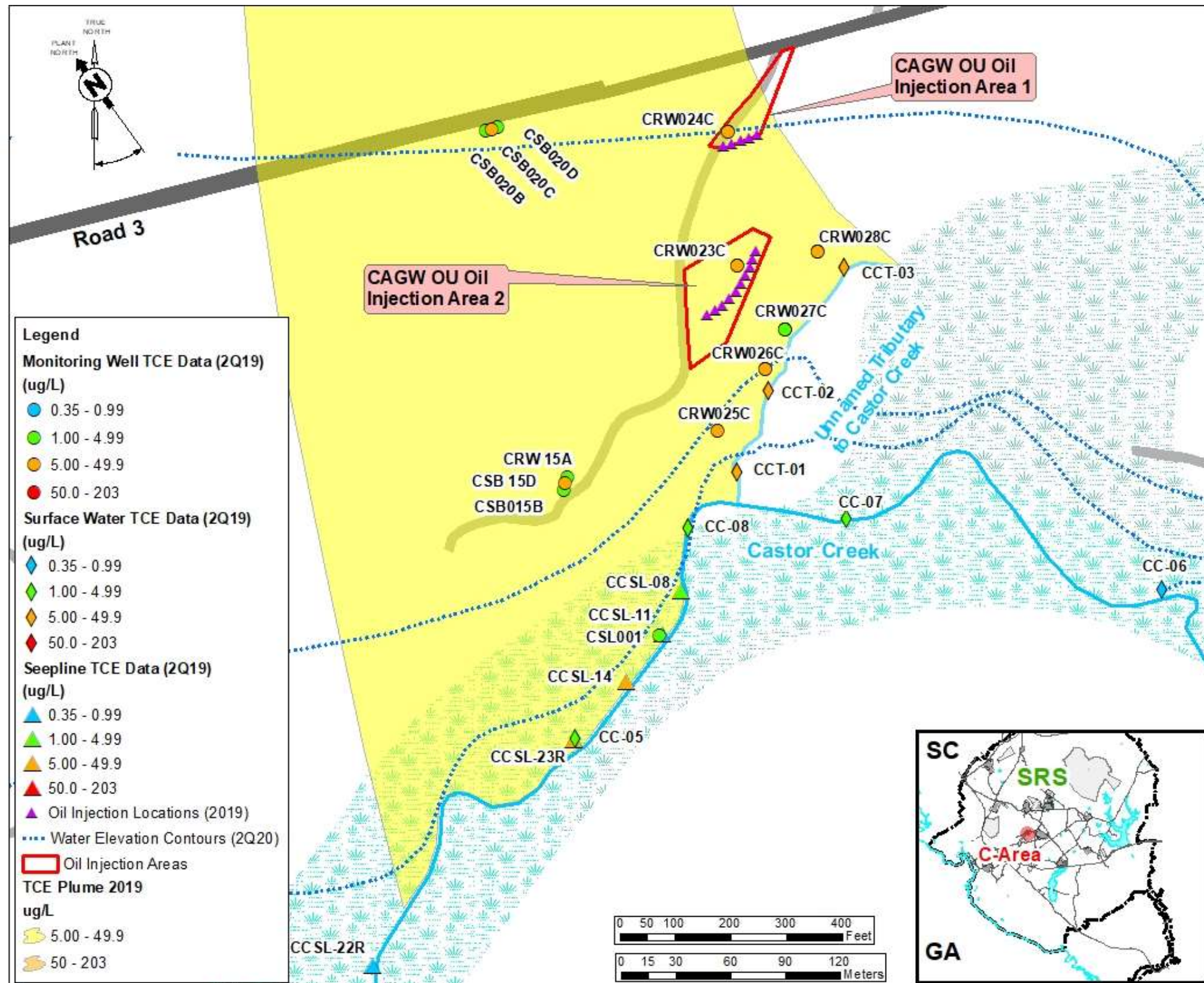


Figure 3. CAGW OU NTC RA Areas (Baseline Conditions)

This page was intentionally left blank.

C-Area TCE Cross-Section A-A'

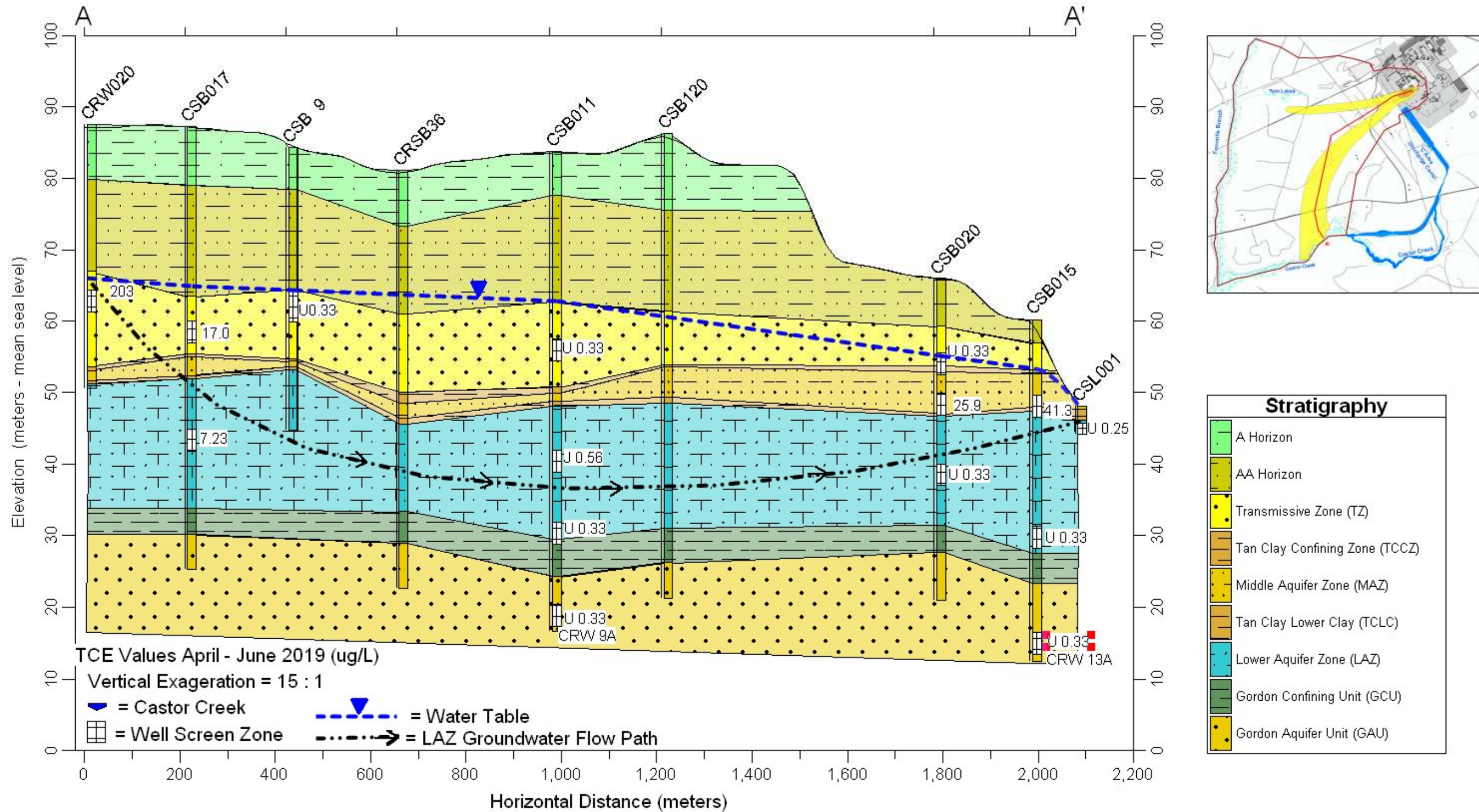


Figure 4. CAGW OU TCE Transport from C-Area to Castor Creek

This page was intentionally left blank.

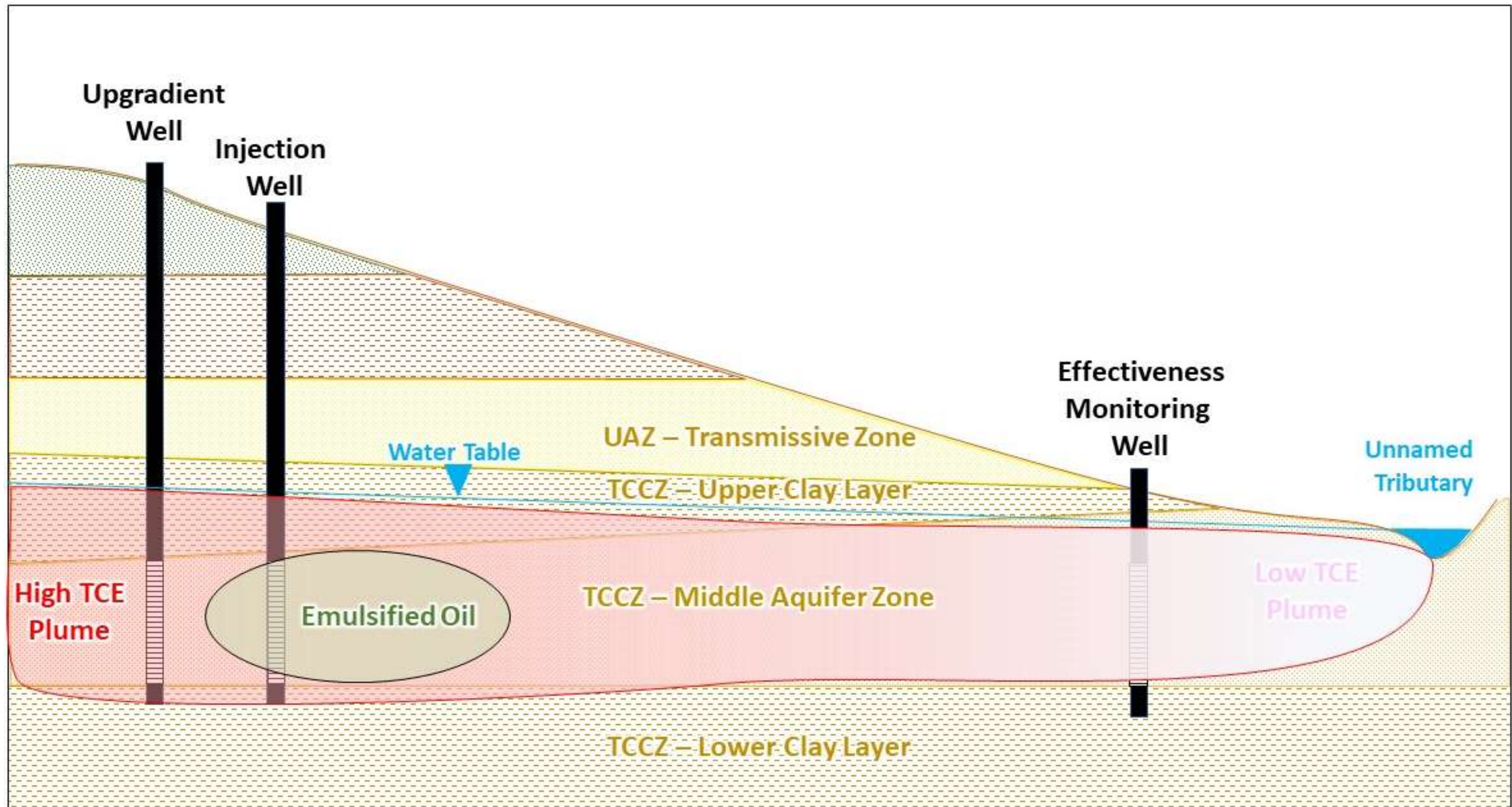


Figure 5. Schematic of Emulsified Oil Treatment Barrier

This page was intentionally left blank.

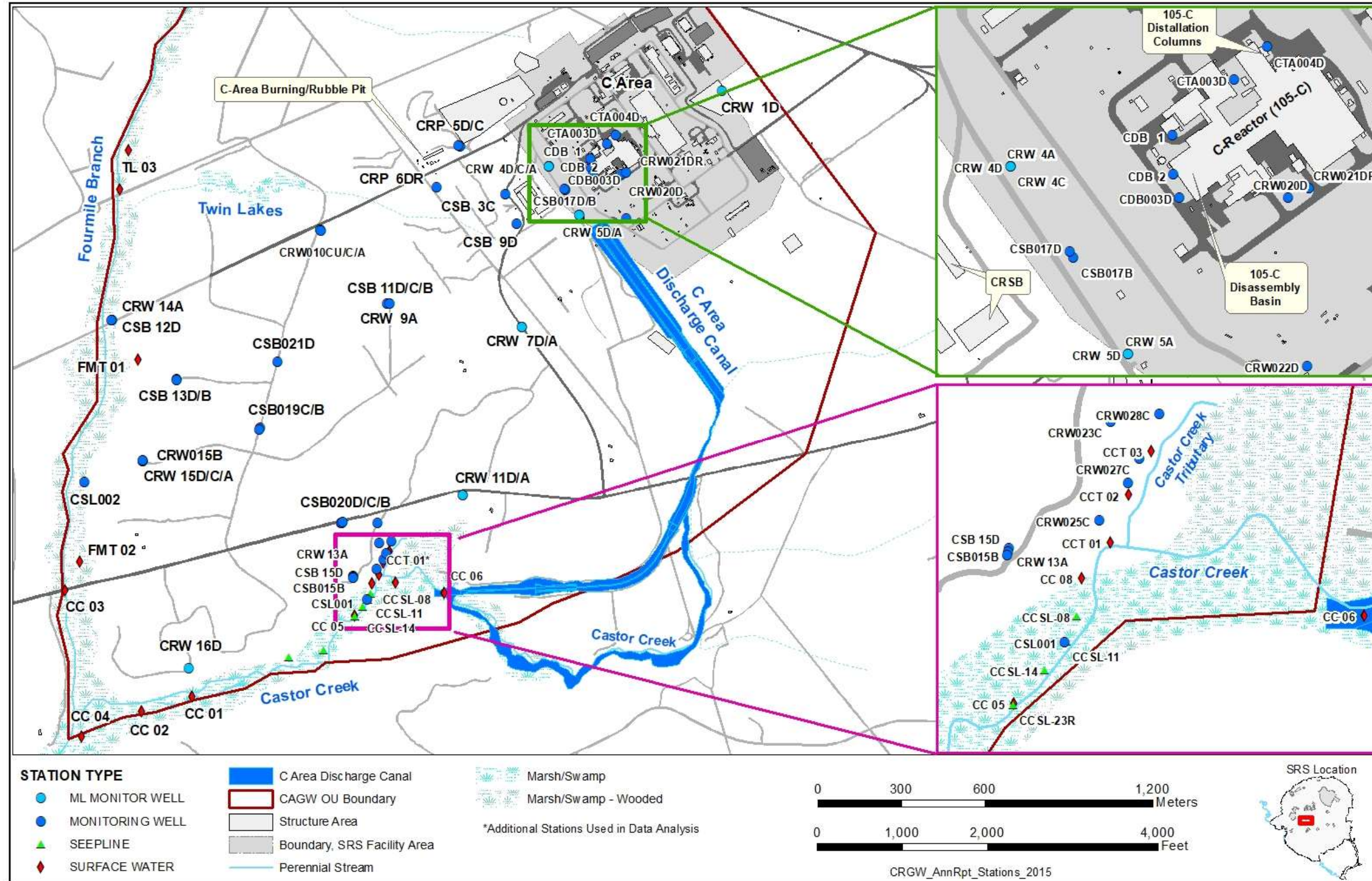


Figure 6. CAGW OU Monitoring Stations

This page was intentionally left blank.

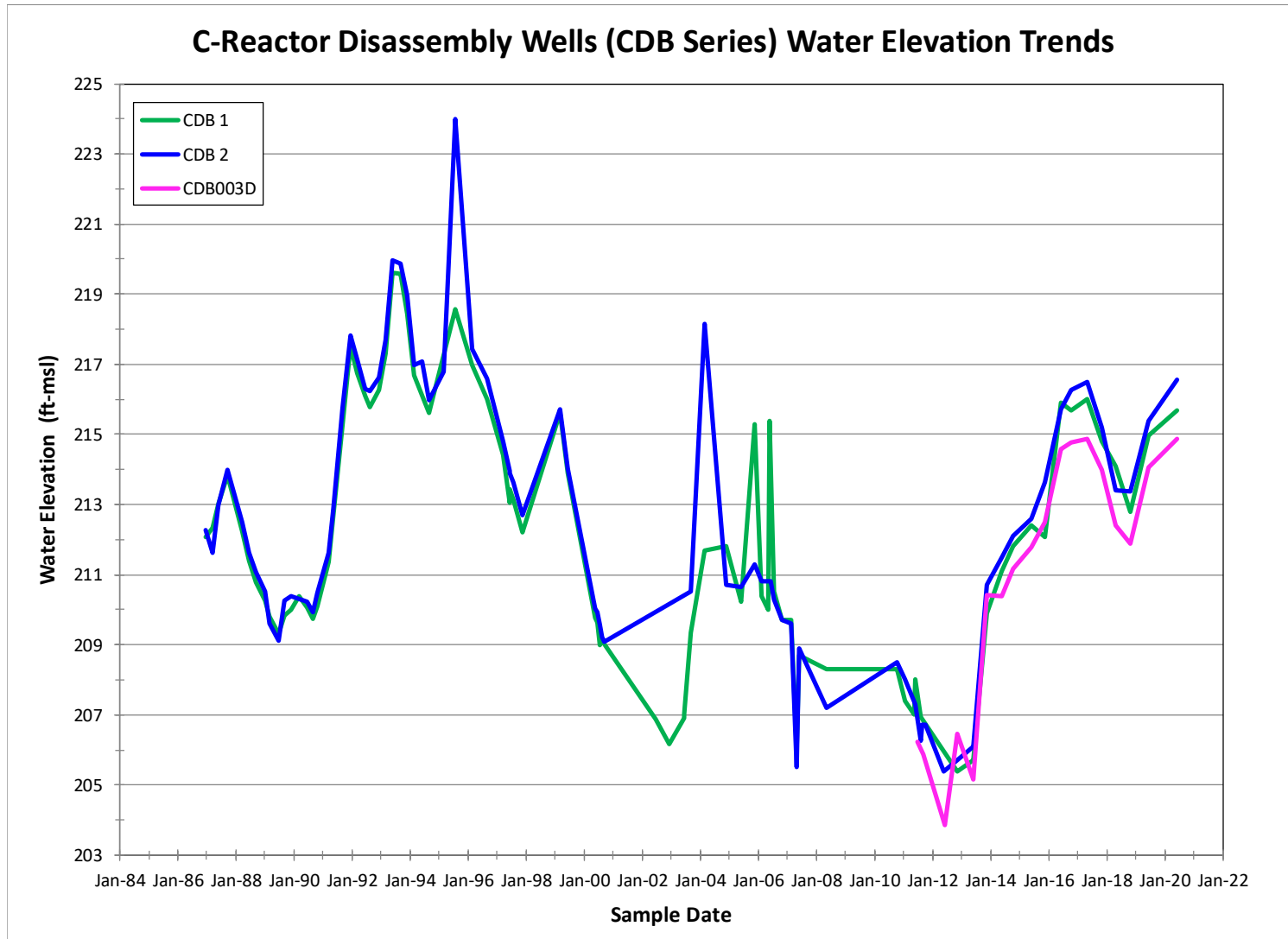


Figure 7. Watertable Trends Near C-Reactor

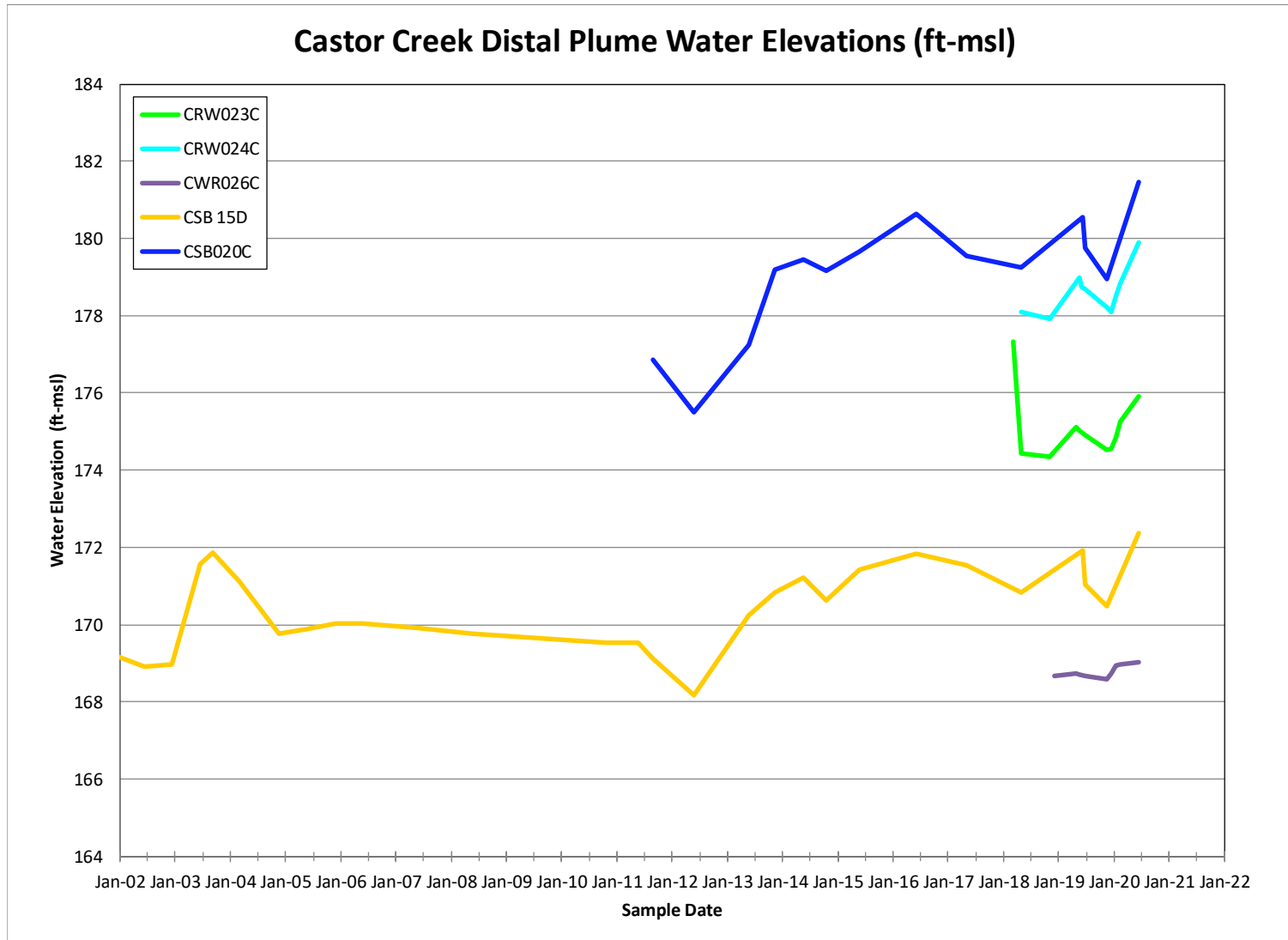


Figure 8. Watertable Trends Near Castor Creek

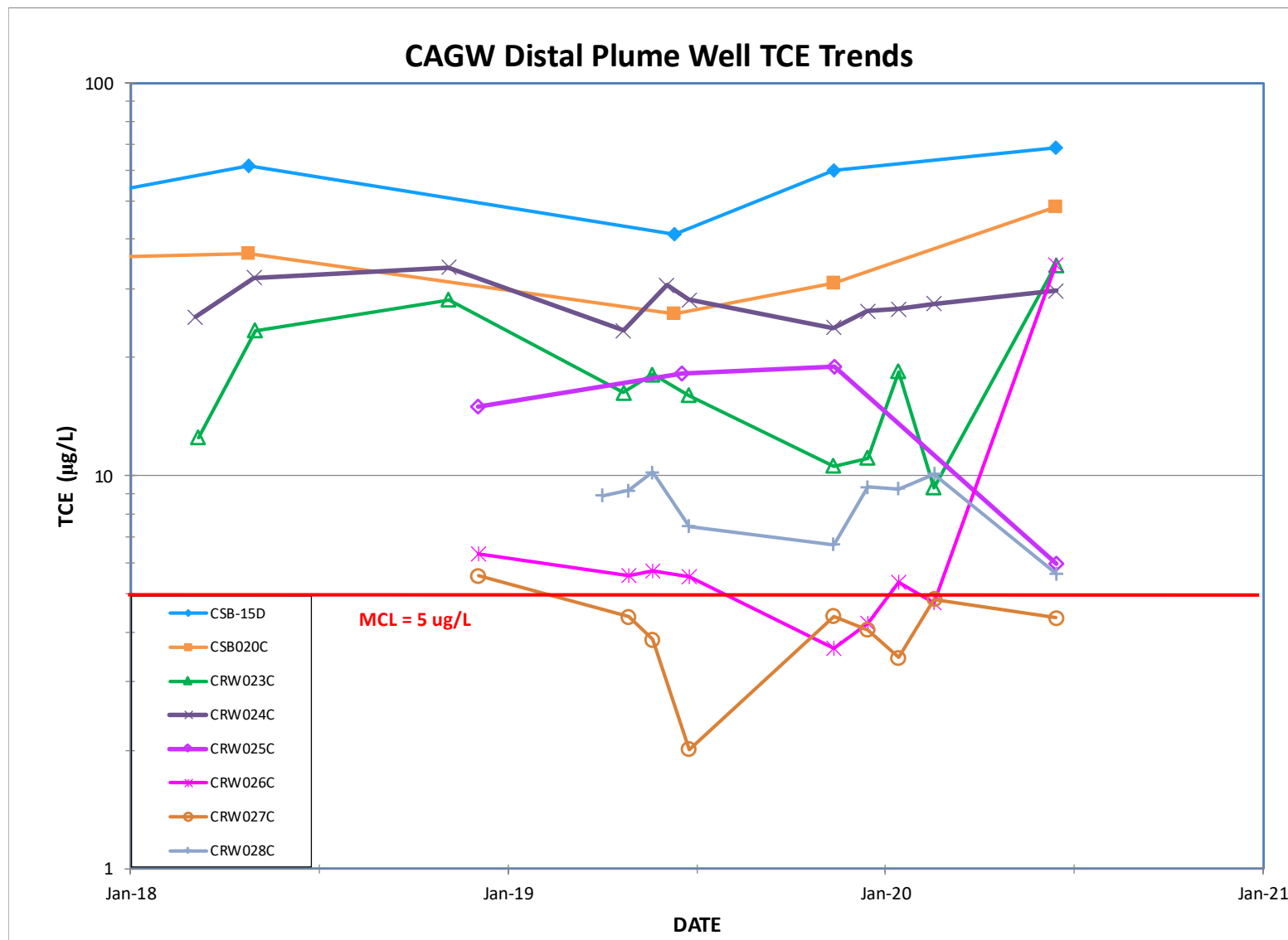


Figure 9. Groundwater TCE Trends Near Castor Creek Tributary

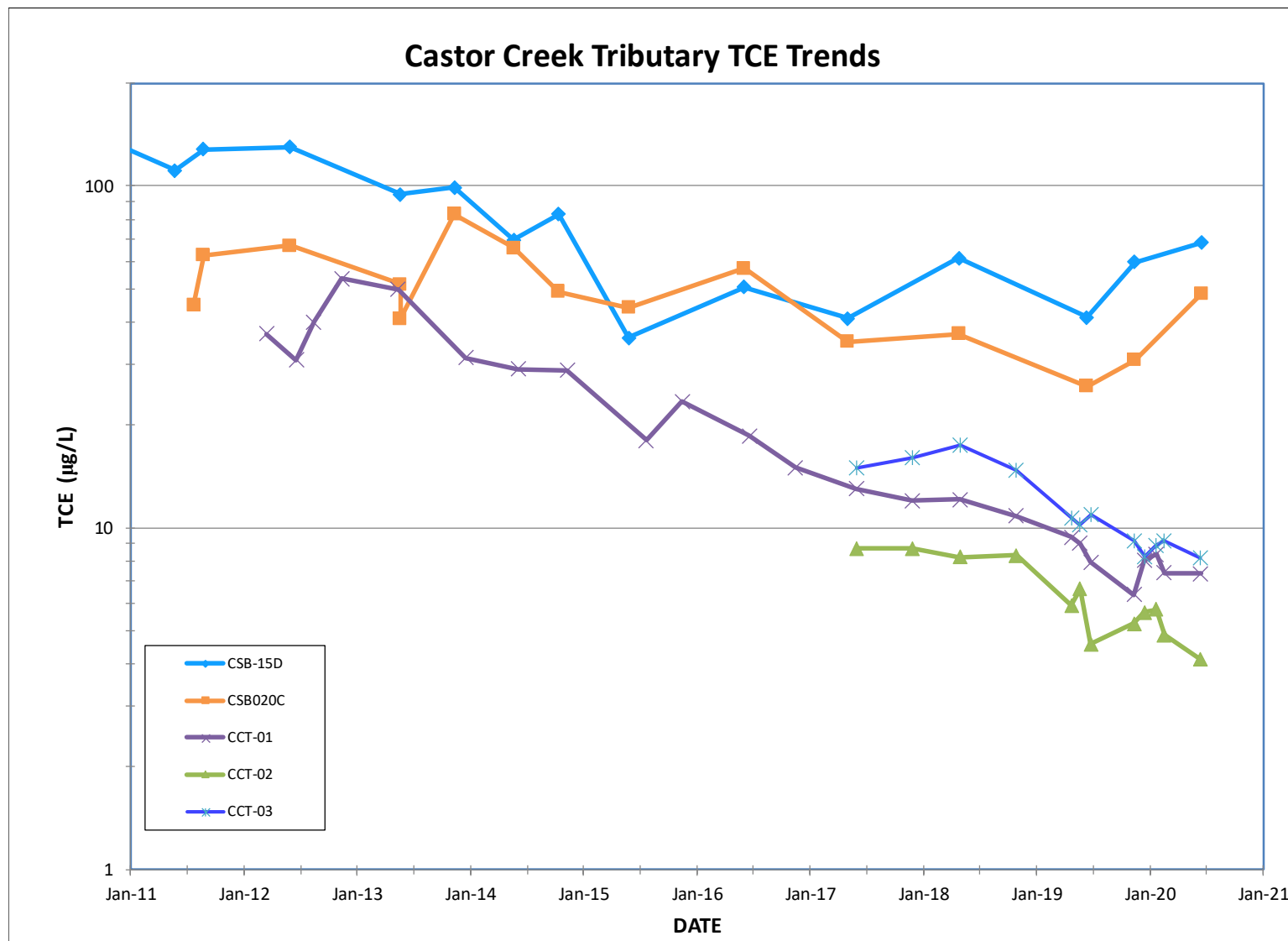


Figure 10. Surface Water TCE Trends in Castor Creek Tributary

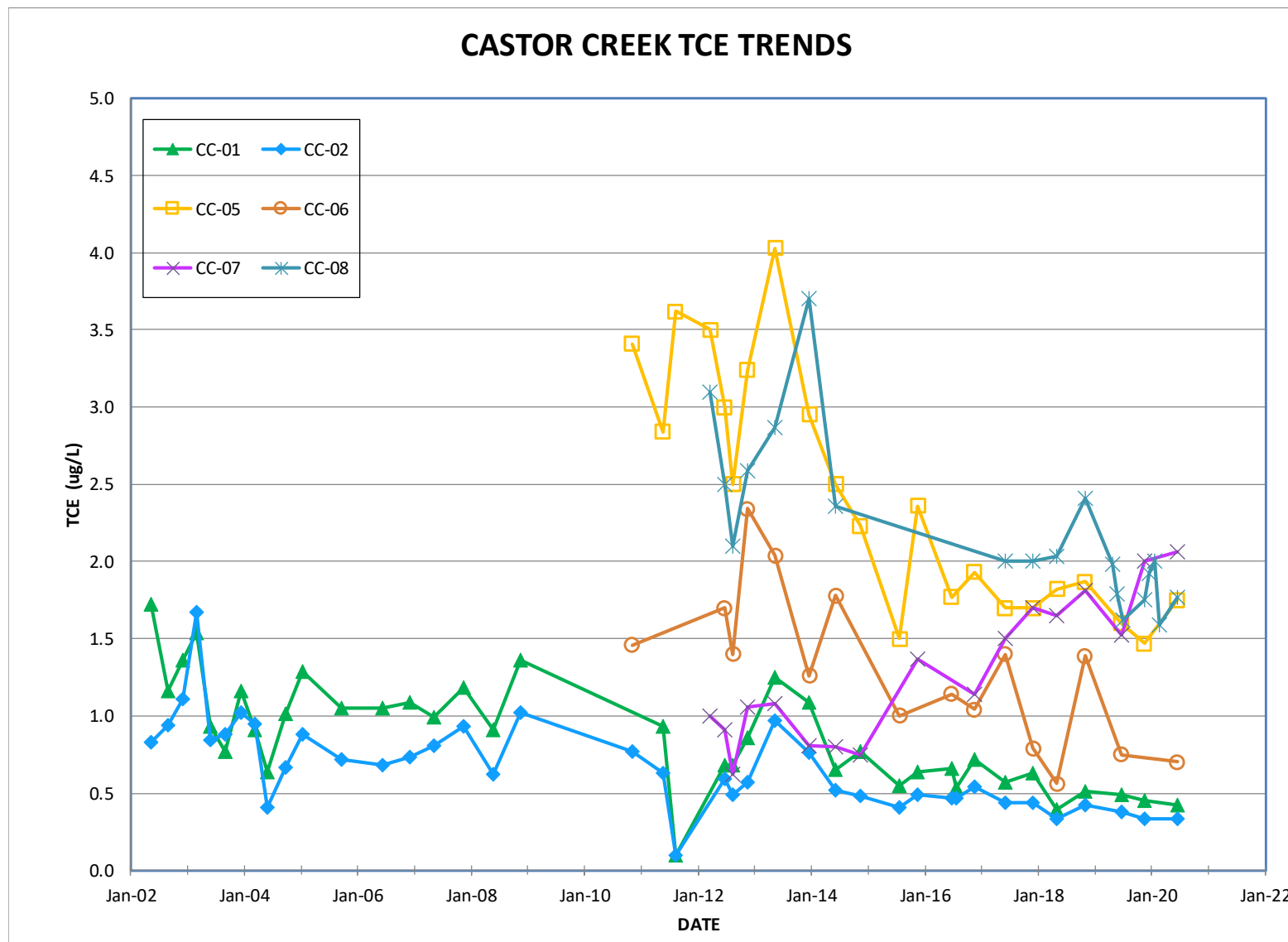


Figure 11. Surface Water TCE Trends in Castor Creek

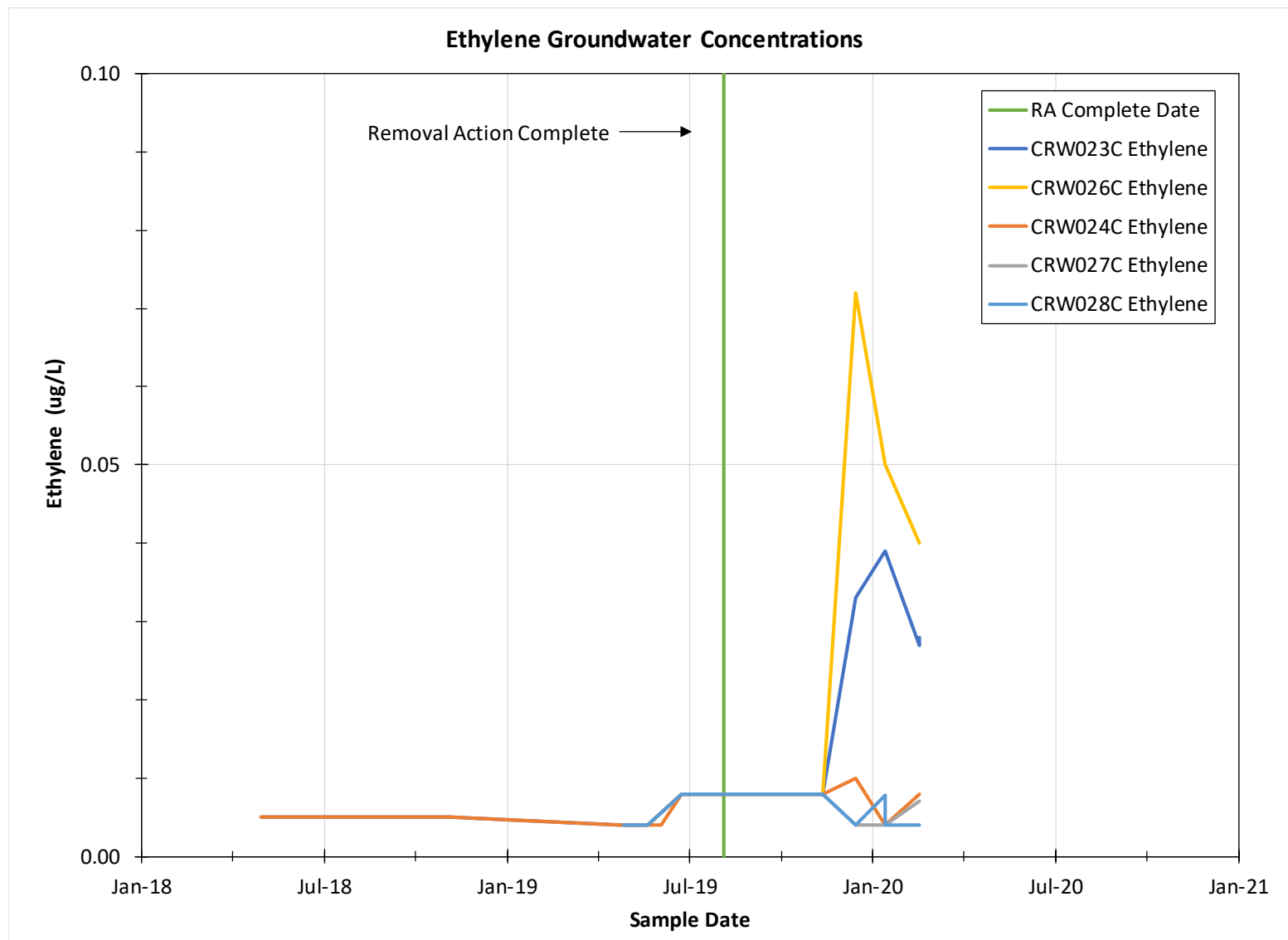


Figure 12. Groundwater Ethylene Trends

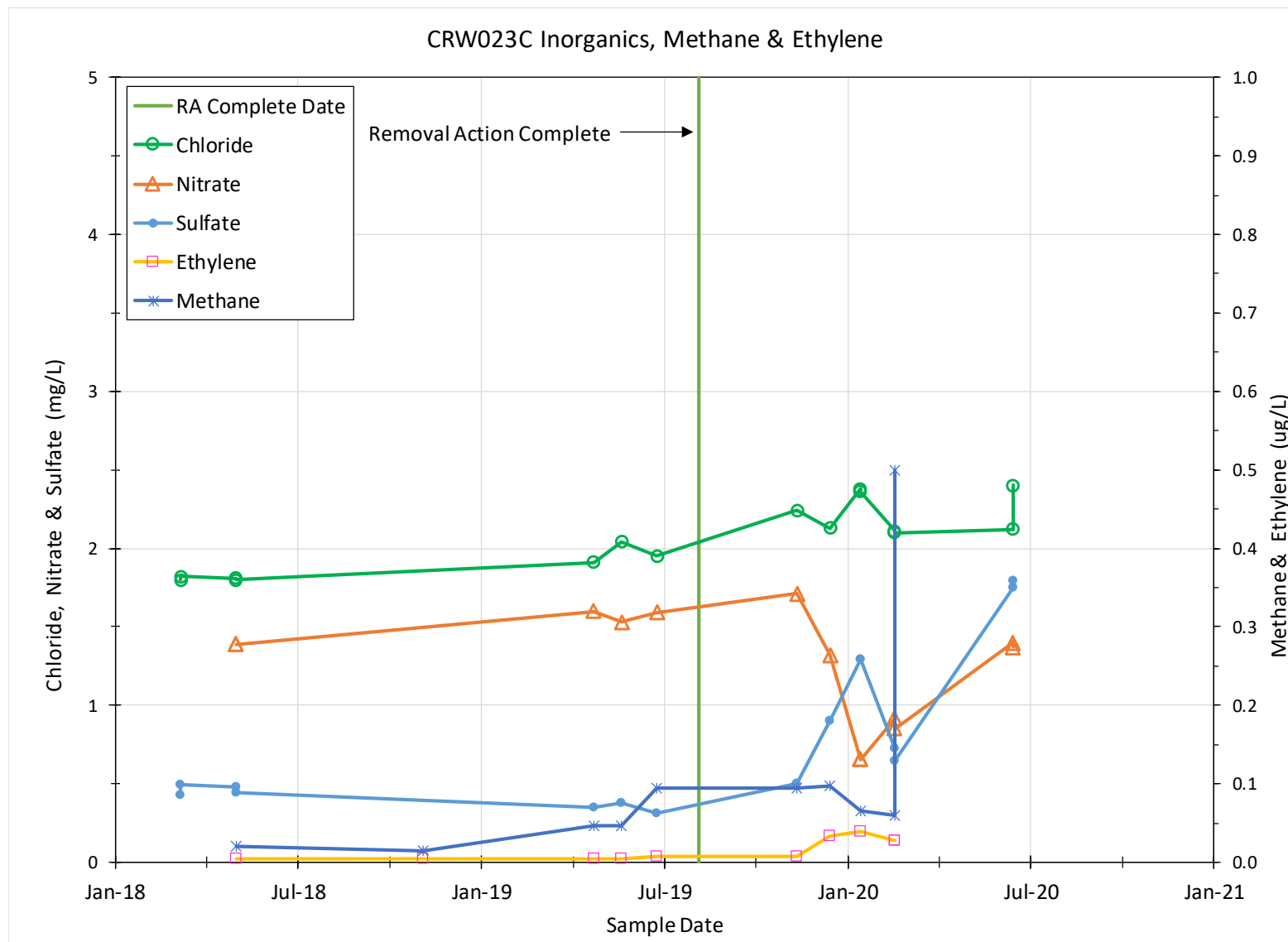


Figure 13. CRW023C Post-RA Groundwater Trends

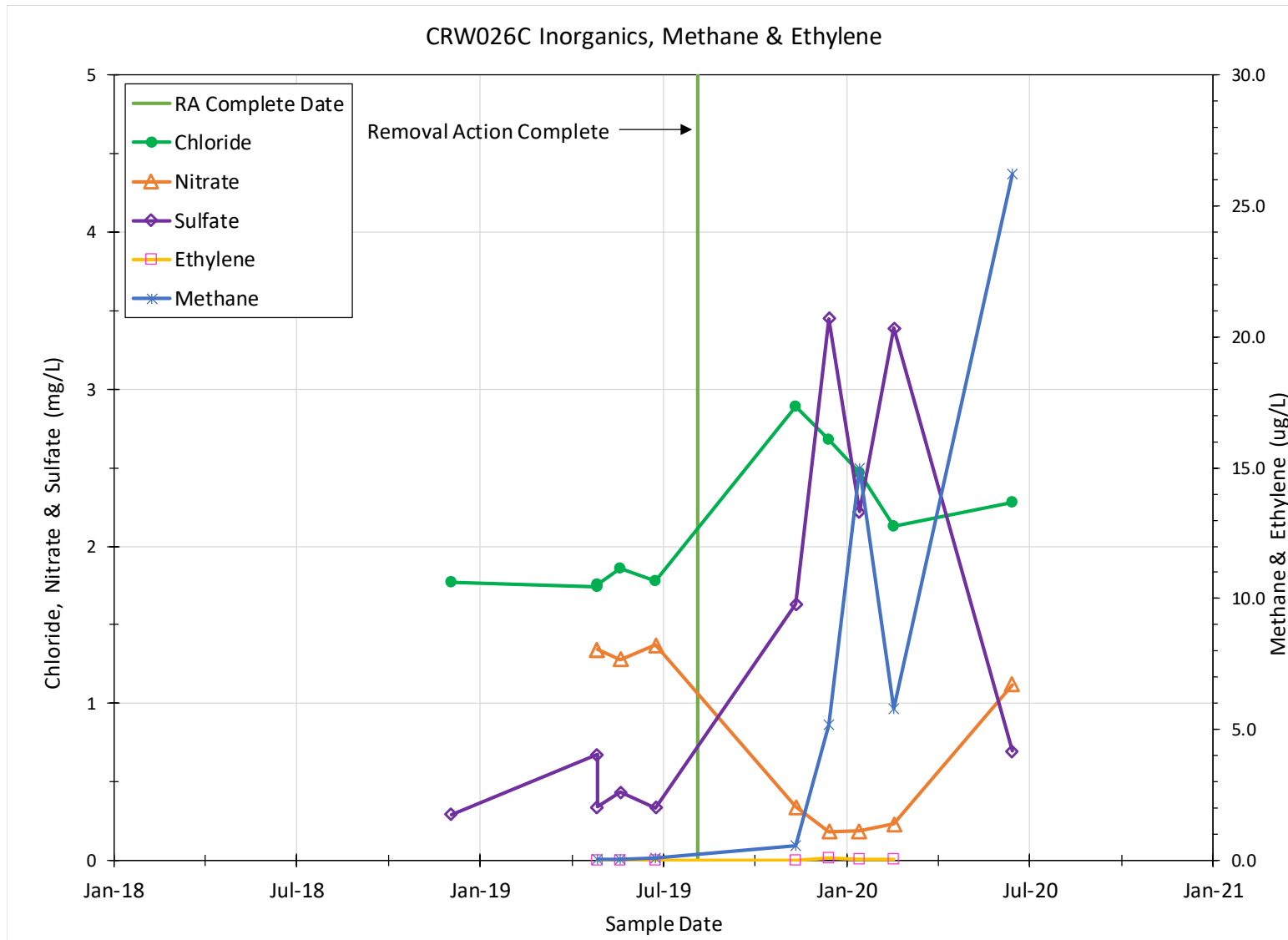


Figure 14. CRW026C Post-RA Groundwater Trends

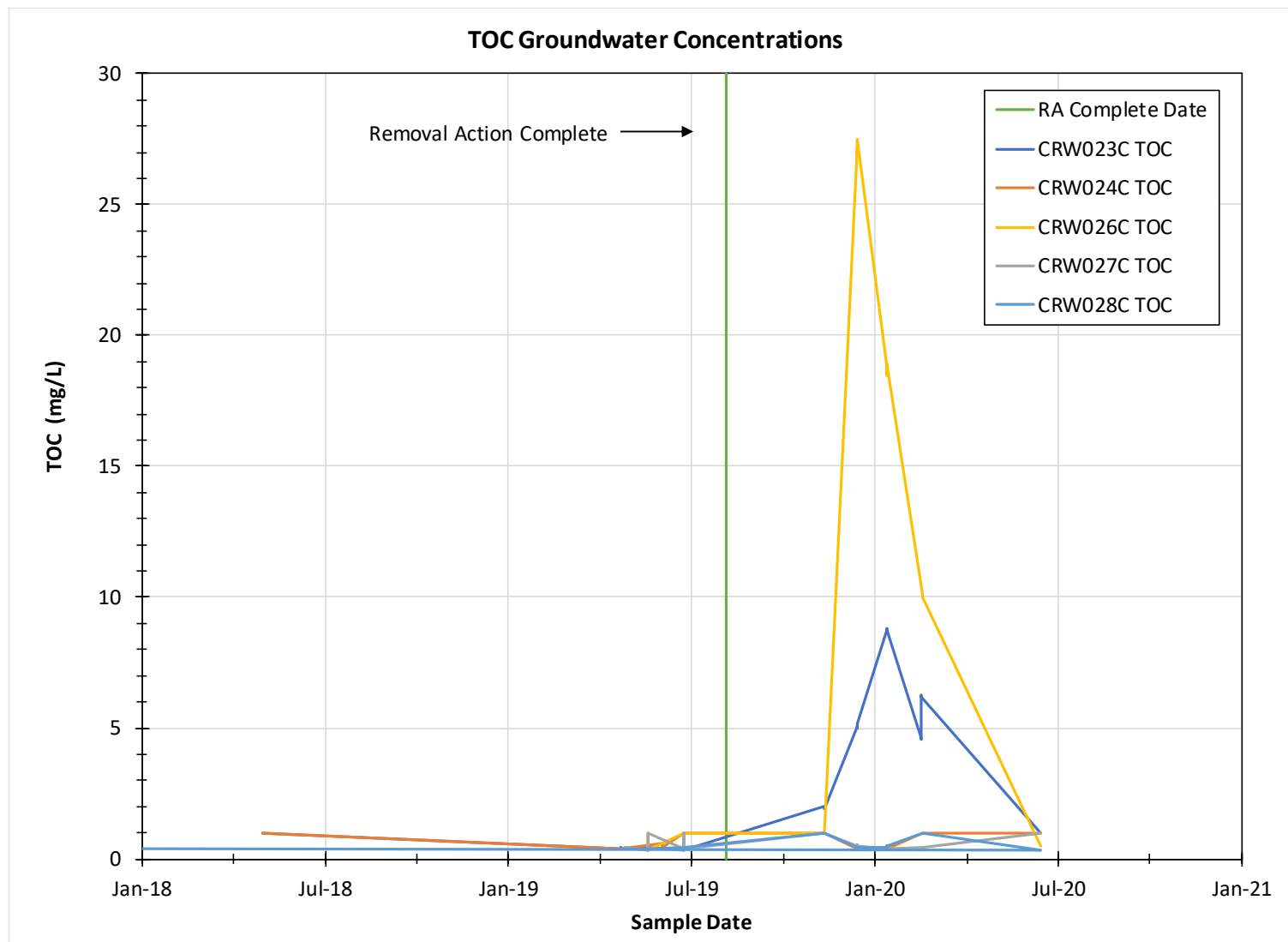


Figure 15. Post-RA TOC Groundwater Trends

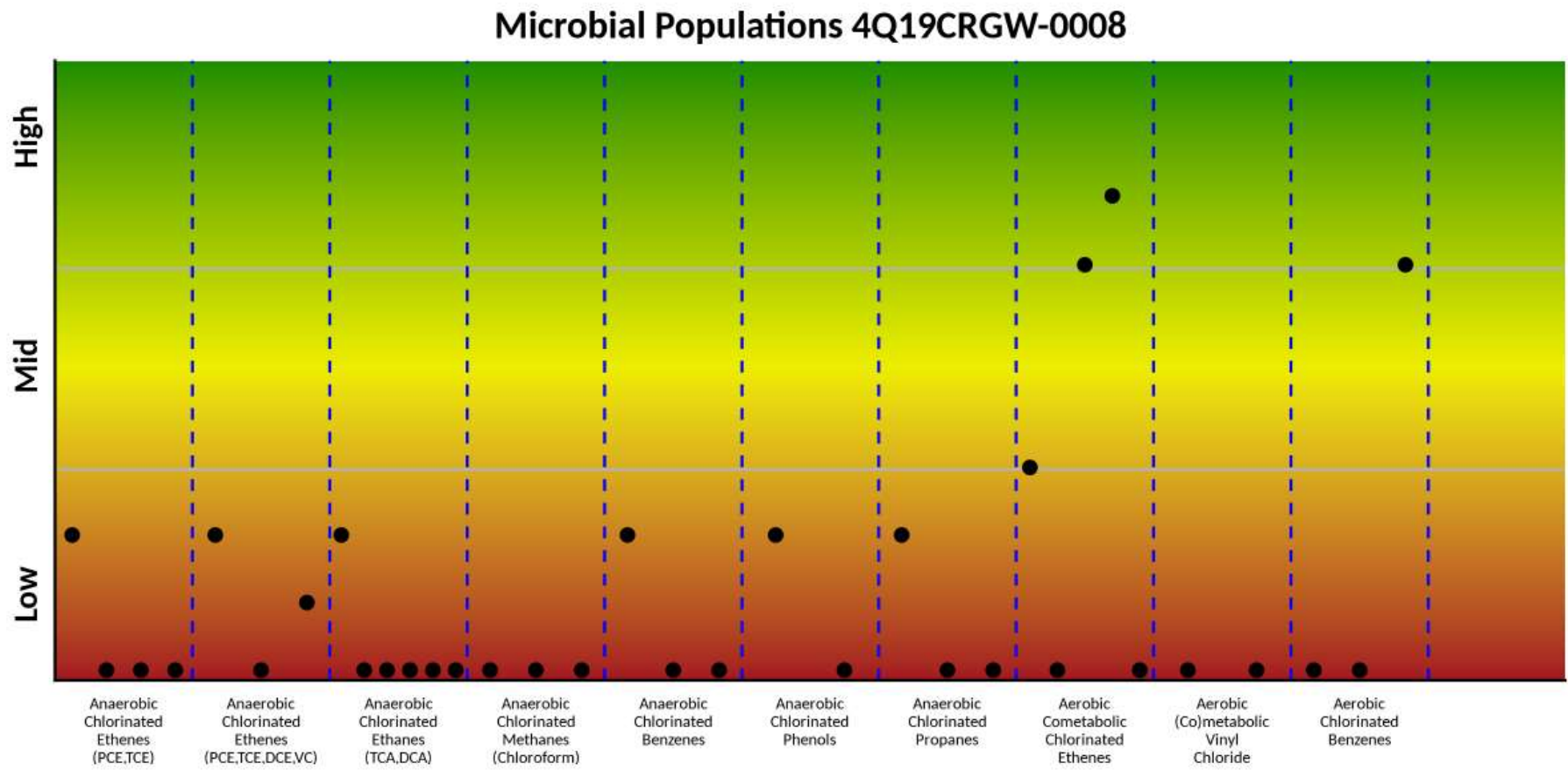


Figure 16. CRW026C Microbial Activity November 2019

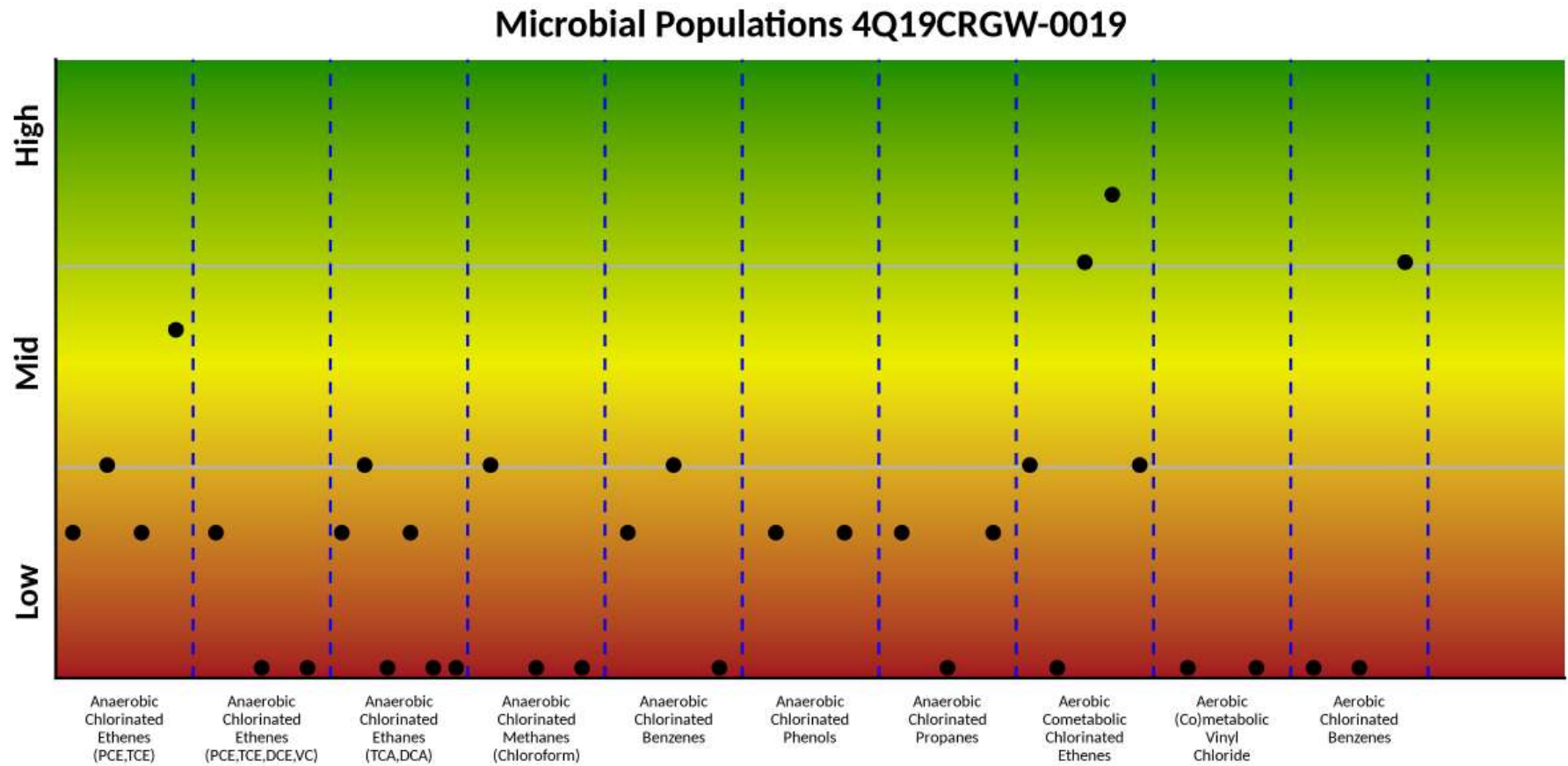


Figure 17. CRW026C Microbial Activity December 2019

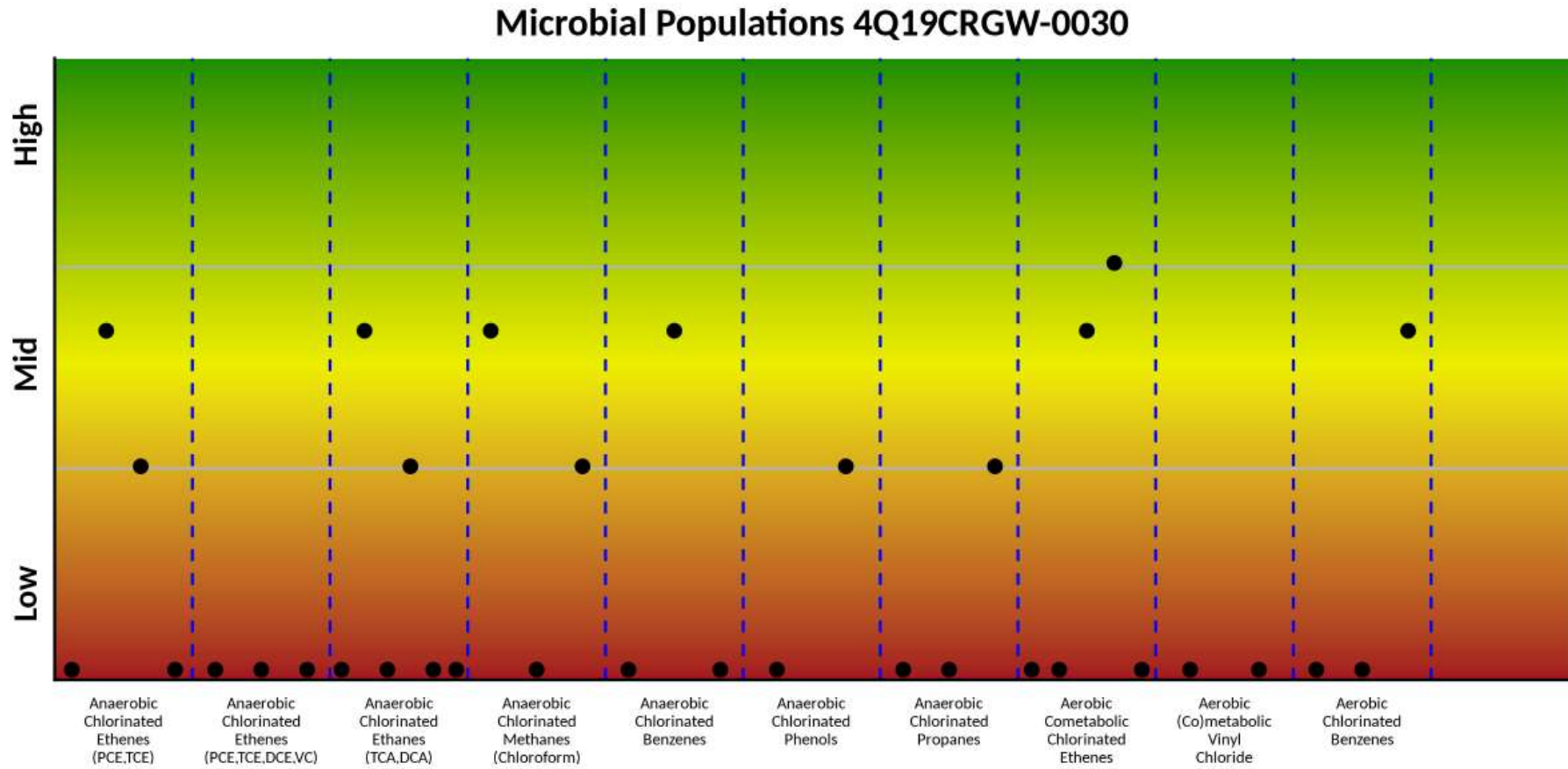


Figure 18. CRW026C Microbial Activity January 2020

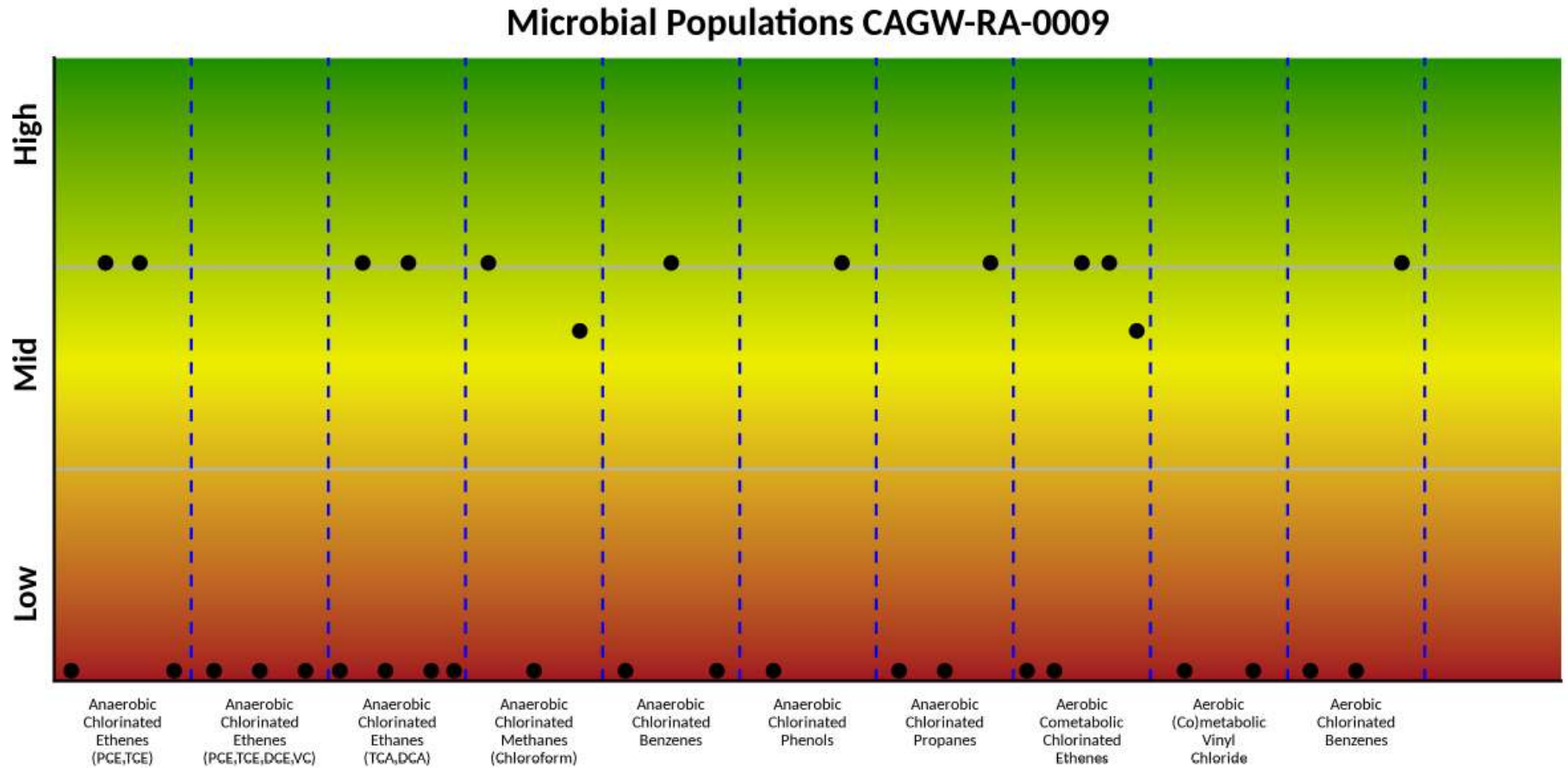


Figure 19. CRW026C Microbial Activity February 2020

Microbial Populations CAGW-RA00029

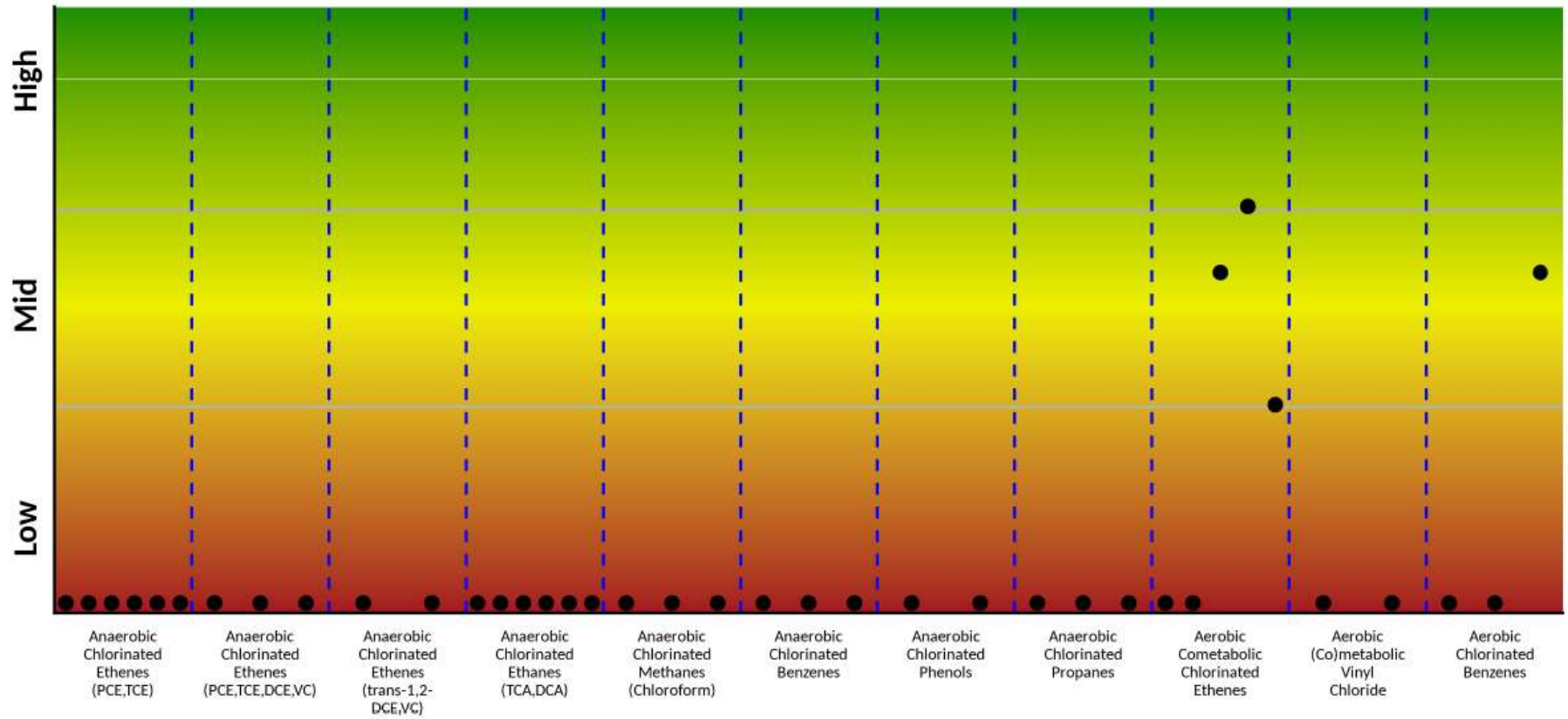


Figure 20. CRW026C Microbial Activity June 2020

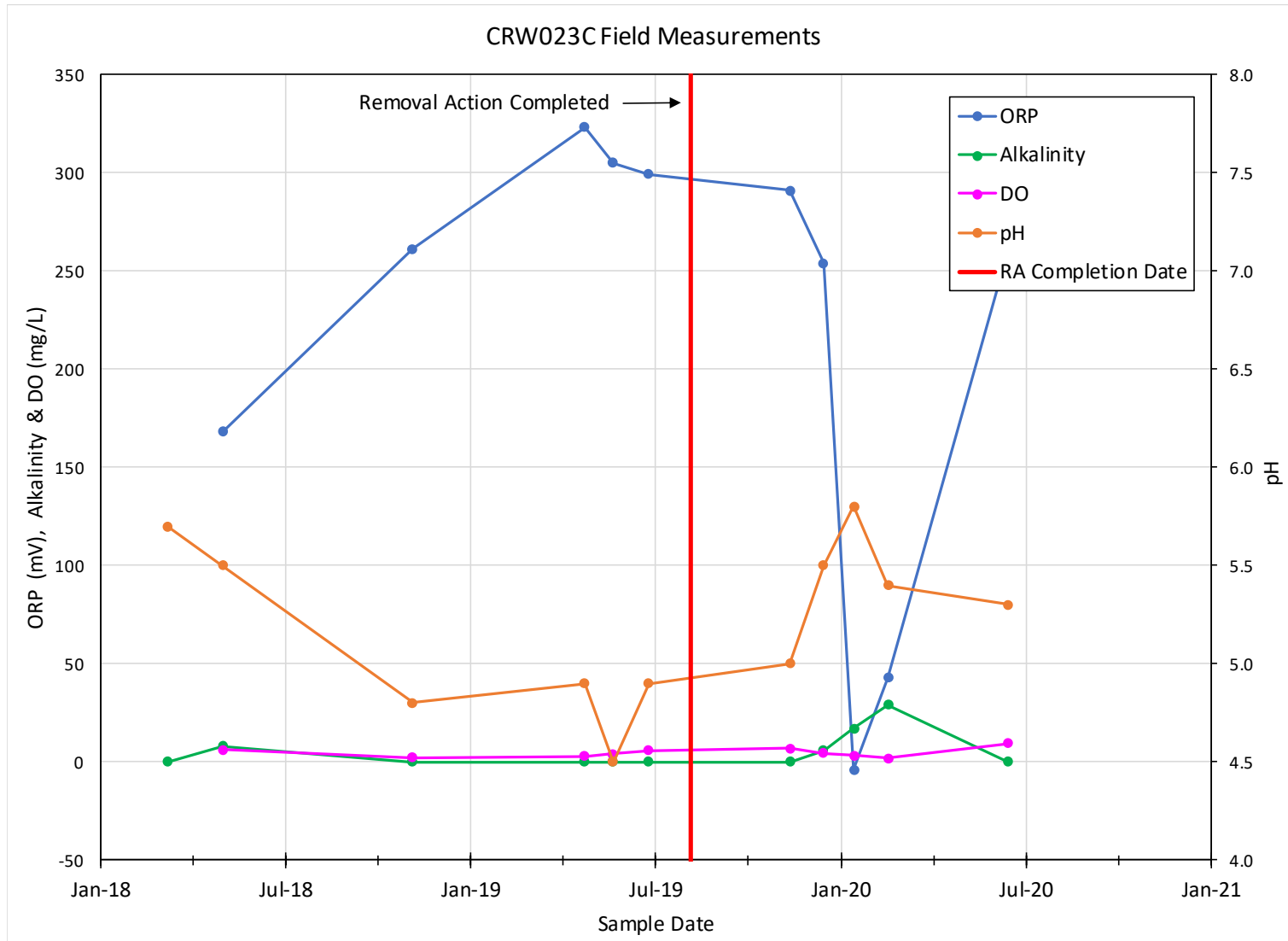


Figure 21. CRW023C Field Measurement Trends

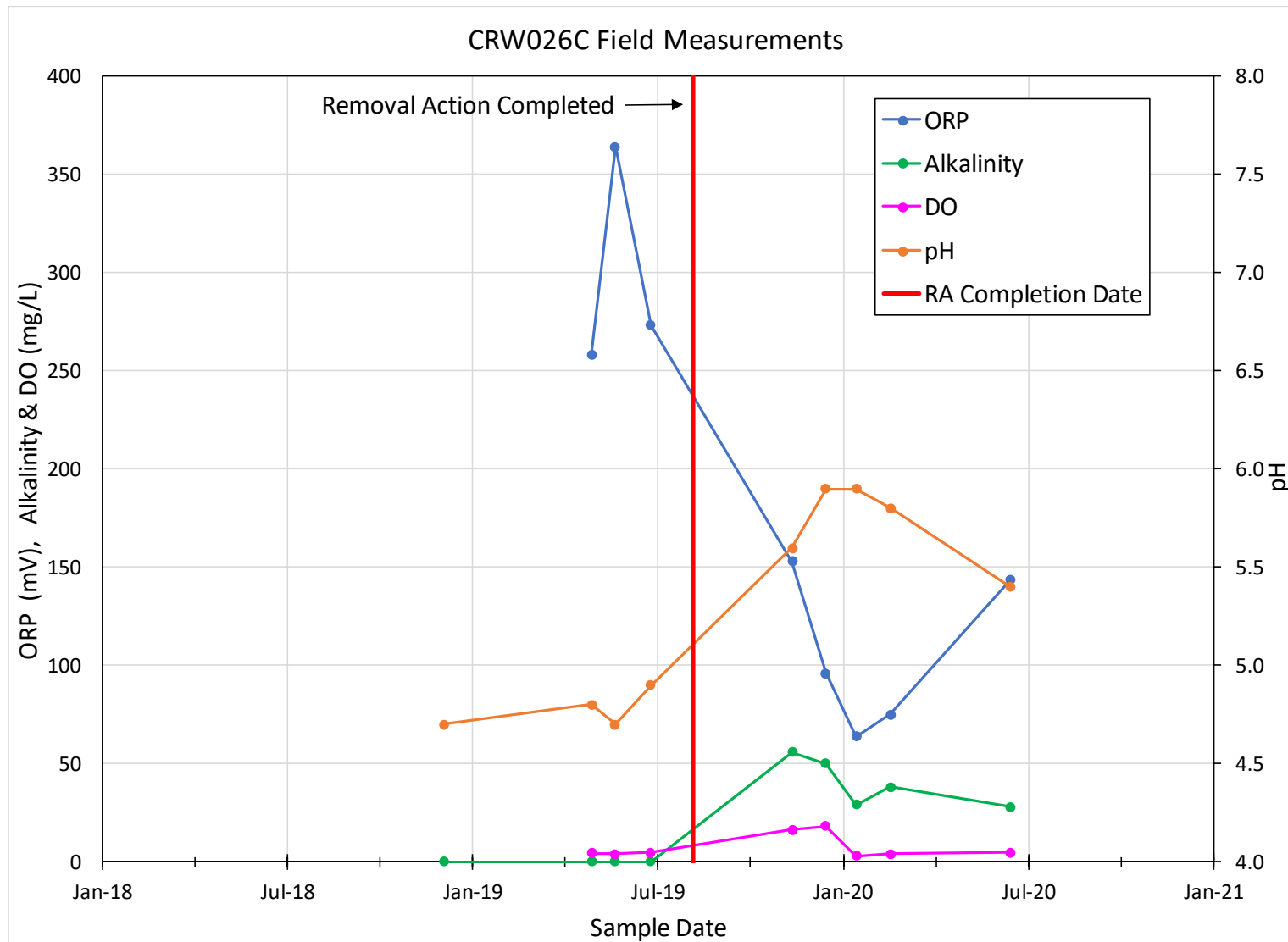


Figure 22. CRW026C Field Measurement Trends

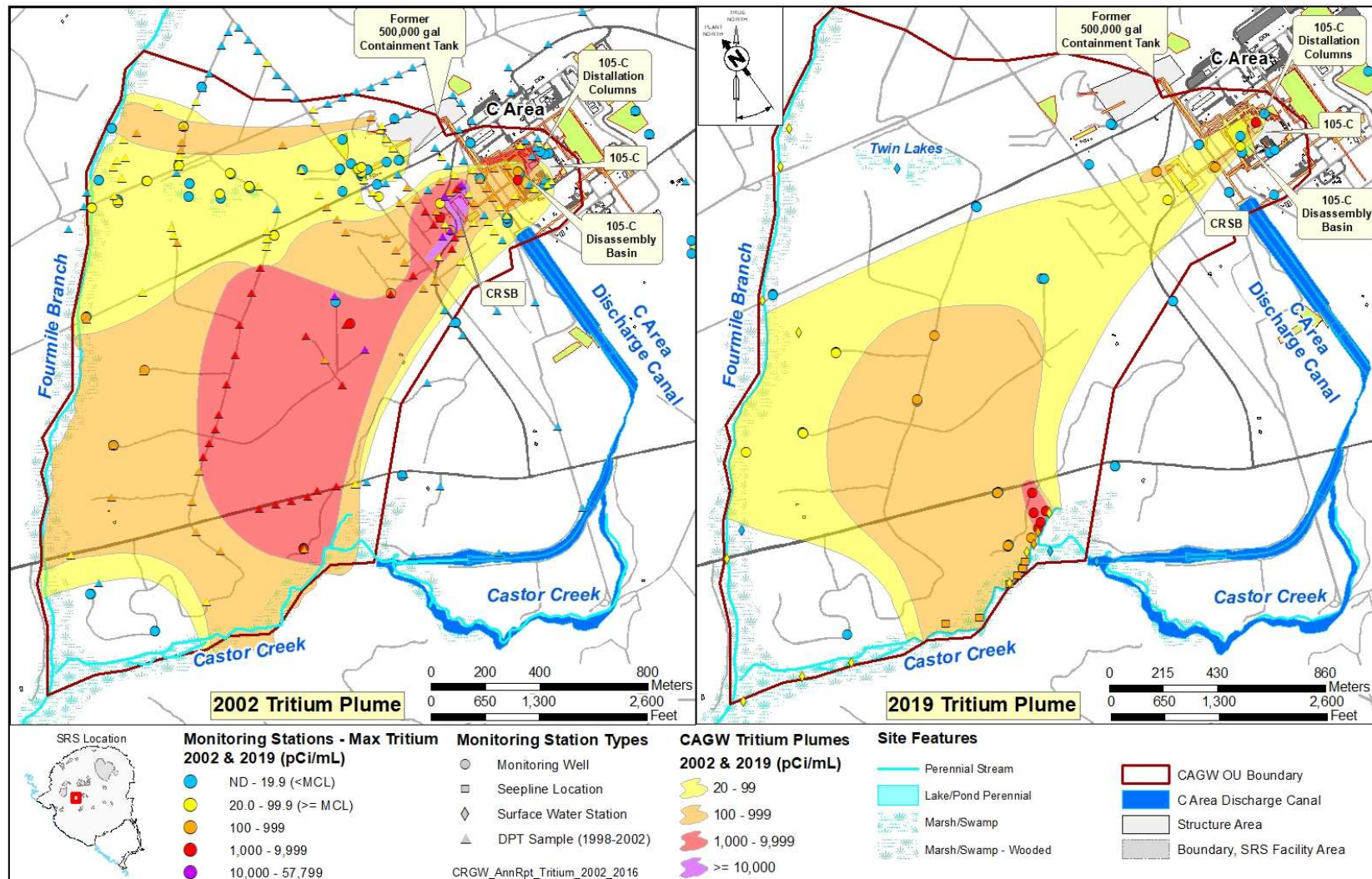


Figure 23. CAGW OU Tritium Plume 2002 and 2019

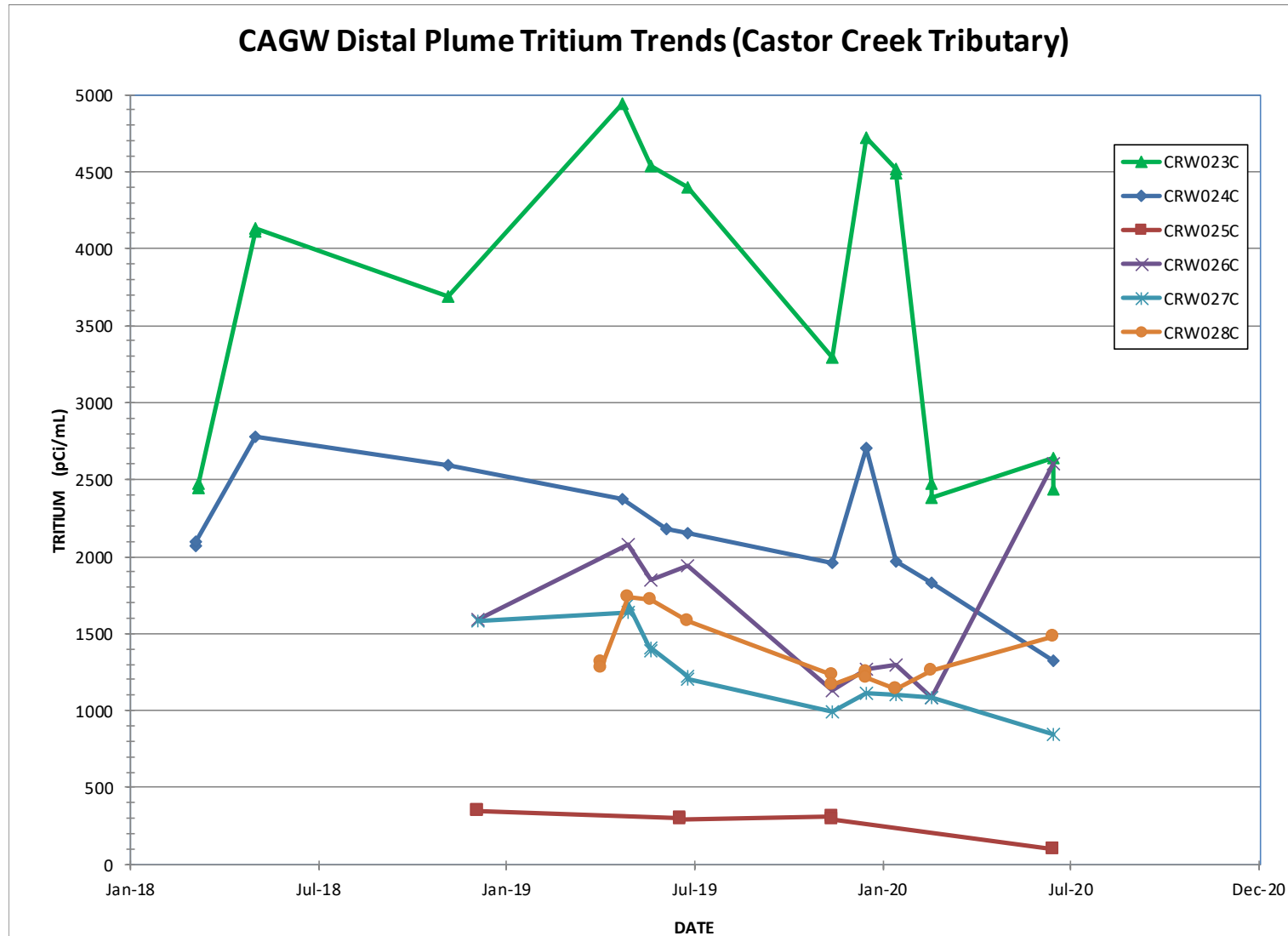


Figure 24. CAGW OU Tritium Distal Plume Trends

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 2019 – 2020 ($\mu\text{g/L}$)	Purpose
CRW021DR	Monitoring Well	1,2-dichloroethylene	0.77	CAGW OU
CCSL-11	Seepage Station	1,2-dichloroethylene	1.75	CAGW OU NTC RA
CRW021DR	Monitoring Well	cis-1,2-dichloroethylene	0.82	CAGW OU
CCSL-11	Seepage Station	cis-1,2-dichloroethylene	1.75	CAGW OU NTC RA
CRW 10C	Monitoring Well	Tetrachloroethylene	1.50	CAGW OU
CRW028C	Monitoring Well	Tetrachloroethylene	0.68	CAGW OU NTC RA
CRW021DR*	Monitoring Well	trans-1,2-dichloroethylene	MDL (0.666)	CAGW OU
CCSL-11*	Monitoring Well	trans-1,2-dichloroethylene	MDL (0.333)	CAGW OU NTC RA
CRW020D	Monitoring Well	Trichloroethylene	203	CAGW OU
CSB 15D	Monitoring Well	Trichloroethylene	60	CAGW OU NTC RA
CTA003D	Monitoring Well	Tritium	1,360 pCi/mL	CAGW OU
CRW023C	Monitoring Well	Tritium	4,940 pCi/mL	CAGW OU NTC RA
CRW021DR*	Monitoring Well	Vinyl Chloride	MDL (0.666)	CAGW OU
CCSL-11*	Monitoring Well	Vinyl Chloride	MDL (0.333)	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	11/13/2019	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-08	6/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-08	11/13/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Dehalobium chlorocoercia	Reductive Dechlorination	3.02E+03	=	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-08	6/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-08	11/13/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-08	11/13/2019	Total Eubacteria	Other	4.99E+07	=	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Total Eubacteria	Other	5.57E+07	=	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	5.48E+04	=	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	2.19E+05	=	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	6.26E+05	=	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	2.89E+05	=	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	5.83E+03	=	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-08	6/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-08	11/13/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	6/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	3.35E+02	=	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-08	6/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-08	11/13/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-08	6/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-11	11/13/2019	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-11	6/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-11	11/13/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-11	6/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-11	11/13/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-11	11/13/2019	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Total Eubacteria	Other	2.32E+07	=	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Total Eubacteria	Other	6.45E+07	=	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	4.21E+04	=	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.13E+04	=	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	4.34E+05	=	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	5.77E+05	=	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	3.12E+04	=	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-11	6/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-11	11/13/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-11	6/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.72E+02	=	cells/bead	5.00E+00	2.50E+02
CCSL-11	6/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-11	11/13/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-11	6/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-14	11/13/2019	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-14	6/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-14	11/13/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Dehalobacter spp.	Reductive Dechlorination	1.66E+03	=	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-14	6/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-14	11/13/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-14	11/13/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Total Eubacteria	Other	2.00E+07	=	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Total Eubacteria	Other	3.44E+07	=	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.17E+05	=	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	4.26E+04	=	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	4.76E+05	=	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	2.37E+05	=	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	1.30E+05	=	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	1.53E+05	=	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-14	6/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-14	11/13/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	4.01E+01	J	cells/bead	5.00E+00	2.50E+02
CCSL-14	6/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-14	11/13/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-14	6/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-23R	11/13/2019	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-23R	6/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-23R	11/13/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Dehalobacter spp.	Reductive Dechlorination	1.66E+03	=	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-23R	6/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-23R	11/13/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Total Eubacteria	Other	6.15E+06	=	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Total Eubacteria	Other	3.73E+06	=	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.72E+03	=	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.90E+03	=	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	6.42E+04	=	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.57E+04	=	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CCSL-23R	6/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-23R	6/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-23R	11/13/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CCSL-23R	6/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	5.90E+00	J	cells/bead	5.00E+00	2.50E+02
CCSL-23R	11/13/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CCSL-23R	6/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	11/13/2019	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Sulfate Reducing Bacteria	Other	1.37E+05	=	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Sulfate Reducing Bacteria	Other	1.34E+05	=	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Sulfate Reducing Bacteria	Other	7.35E+03	=	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Sulfate Reducing Bacteria	Other	1.09E+04	=	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	12/16/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	1/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	2/18/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	2/18/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	6/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	6/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	11/13/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW023C	6/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW023C	11/13/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Dehalobium chlorocoercia	Reductive Dechlorination	5.90E+02	=	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	3.20E+02	=	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.00E+03	=	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Dehalobium chlorocoercia	Reductive Dechlorination	1.82E+03	=	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Dehalobacter spp.	Reductive Dechlorination	2.36E+05	=	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Dehalobacter spp.	Reductive Dechlorination	2.11E+04	=	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Dehalobacter spp.	Reductive Dechlorination	1.79E+04	=	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	12/16/2019	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	1/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	2/18/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	2/18/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	6/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	6/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	11/13/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW023C	12/16/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	9.59E+04	=	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Desulfitobacterium spp.	Reductive Dechlorination	6.52E+04	=	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Desulfitobacterium spp.	Reductive Dechlorination	7.32E+04	=	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Desulfuromonas spp.	Reductive Dechlorination	1.85E+01	J	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Total Eubacteria	Other	8.59E+07	=	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Total Eubacteria	Other	2.81E+08	=	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Total Eubacteria	Other	6.18E+08	=	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Total Eubacteria	Other	6.59E+07	=	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Total Eubacteria	Other	1.53E+08	=	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Total Eubacteria	Other	6.34E+06	=	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Total Eubacteria	Other	1.12E+07	=	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW023C	1/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Methanogens	Other	1.84E+01	J	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW023C	2/18/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.04E+05	=	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	8.80E+05	=	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.86E+06	=	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	3.12E+05	=	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	3.81E+05	=	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	5.00E+03	=	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.42E+04	=	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	1.39E+02	J	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Particulate Methane Monooxygenase	CENSUS Targets	1.63E+02	J	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1.82E+06	=	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	9.61E+06	=	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	3.58E+07	=	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	2.17E+06	=	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	2.93E+06	=	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	5.15E+04	=	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1.57E+05	=	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW023C	2/18/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	1.96E+03	=	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.96E+02	=	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	9.47E+02	=	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	8.48E+02	=	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	12/16/2019	tceA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+01
CRW023C	1/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	2/18/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	2/18/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	6/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	6/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	11/13/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW023C	6/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	12/16/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	1/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	2/18/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	6/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW023C	11/13/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	12/16/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	1/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	2/18/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	2/18/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	6/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW023C	6/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	11/13/2019	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Sulfate Reducing Bacteria	Other	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	12/16/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	1/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	2/18/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	6/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+00	<	cells/bead	5.00E-01	2.50E+00
CRW024C	11/13/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW024C	2/18/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW024C	1/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	12/16/2019	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	1/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	2/18/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	6/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+00	<	cells/bead	5.00E-01	2.50E+00
CRW024C	11/13/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Desulfuromonas spp.	Reductive Dechlorination	1.85E+01	J	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Desulfuromonas spp.	Reductive Dechlorination	6.90E+00	J	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Total Eubacteria	Other	6.34E+07	=	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW024C	12/16/2019	Total Eubacteria	Other	1.48E+07	=	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Total Eubacteria	Other	2.42E+07	=	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Total Eubacteria	Other	2.70E+08	=	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Total Eubacteria	Other	1.84E+06	=	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Methanogens	Other	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E-01	2.50E+01

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW024C	11/13/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.17E+04	=	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.02E+03	=	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	3.28E+03	=	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.50E+05	=	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.05E+03	=	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	5.96E+02	=	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1.95E+05	=	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1.06E+04	=	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	7.91E+04	=	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1.04E+06	=	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	7.11E+03	=	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW024C	6/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	12/16/2019	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	1/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	2/18/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	6/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+00	<	cells/bead	5.00E-01	2.50E+00
CRW024C	11/13/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	1.25E+01	J	cells/bead	5.00E+00	2.50E+02
CRW024C	12/16/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	6.62E+02	=	cells/bead	5.00E+00	2.50E+02
CRW024C	1/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	2/18/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW024C	6/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+01	<	cells/bead	5.00E-01	2.50E+01
CRW024C	11/13/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	12/16/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	1/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	2/18/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW024C	6/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+00	<	cells/bead	5.00E-01	2.50E+00
CRW025C	11/13/2019	Sulfate Reducing Bacteria	Other	8.31E+03	=	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW025C	11/13/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW025C	6/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW025C	11/13/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW025C	6/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW025C	11/13/2019	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW025C	6/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW025C	11/13/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW025C	11/13/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Total Eubacteria	Other	9.52E+06	=	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Total Eubacteria	Other	1.12E+07	=	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Total Eubacteria	Other	8.17E+06	=	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Methanogens	Other	1.31E+01	J	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	5.24E+03	=	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	7.19E+03	=	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	8.91E+03	=	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW025C	11/13/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1.26E+05	=	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1.03E+05	=	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1.04E+05	=	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW025C	11/13/2019	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW025C	6/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW025C	11/13/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	6/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW025C	11/13/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW025C	11/13/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW025C	6/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW026C	11/13/2019	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Sulfate Reducing Bacteria	Other	1.53E+05	=	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Sulfate Reducing Bacteria	Other	2.01E+06	=	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Sulfate Reducing Bacteria	Other	6.66E+05	=	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW026C	11/13/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW026C	12/16/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW026C	1/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW026C	2/18/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW026C	6/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW026C	11/13/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Chloroform Reductase	Reductive Dechlorination	5.25E+03	=	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Chloroform Reductase	Reductive Dechlorination	1.21E+04	=	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW026C	6/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Dehalobacter spp.	Reductive Dechlorination	5.64E+03	=	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Dehalobacter spp.	Reductive Dechlorination	3.82E+04	=	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Dehalobacter spp.	Reductive Dechlorination	1.24E+05	=	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Dehalococcoides	Reductive Dechlorination	1.89E+01	J	cells/bead	5.00E+00	2.50E+01
CRW026C	12/16/2019	Dehalococcoides	Reductive Dechlorination	8.46E+01	=	cells/bead	5.00E+00	2.50E+01
CRW026C	1/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW026C	2/18/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW026C	6/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW026C	11/13/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Desulfitobacterium spp.	Reductive Dechlorination	7.05E+02	=	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	8.74E+03	=	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW026C	2/18/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.59E+05	=	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Desulfuromonas spp.	Reductive Dechlorination	1.63E+03	=	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Total Eubacteria	Other	8.86E+07	=	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Total Eubacteria	Other	1.87E+08	=	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Total Eubacteria	Other	3.89E+07	=	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Total Eubacteria	Other	4.07E+07	=	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Total Eubacteria	Other	1.75E+07	=	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Methanogens	Other	4.31E+02	=	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Methanogens	Other	9.80E+01	J	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW026C	1/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.79E+05	=	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	3.31E+05	=	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	2.36E+04	=	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.02E+05	=	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.69E+04	=	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	4.11E+01	J	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1.36E+06	=	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	3.13E+06	=	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	4.73E+05	=	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	3.10E+05	=	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1.29E+05	=	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	5.83E+03	=	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	1.03E+04	=	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	3.29E+03	=	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.54E+03	=	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW026C	12/16/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	4.44E+03	=	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	tceA Reductase	Reductive Dechlorination	7.50E+00	J	cells/bead	5.00E+00	2.50E+01
CRW026C	12/16/2019	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW026C	1/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW026C	2/18/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW026C	6/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW026C	11/13/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	12/16/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	1/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	2/18/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	6/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW026C	11/13/2019	Vinyl Chloride Reductase	Reductive Dechlorination	6.50E+00	J	cells/bead	5.00E+00	2.50E+01
CRW026C	12/16/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW026C	1/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW026C	2/18/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW026C	6/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW027C	11/13/2019	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	12/16/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	1/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	2/18/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	6/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	11/13/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW027C	6/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	12/16/2019	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	1/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	2/18/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	6/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	11/13/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW027C	2/18/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Desulfitobacterium spp.	Reductive Dechlorination	6.29E+03	=	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Total Eubacteria	Other	2.97E+07	=	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Total Eubacteria	Other	1.23E+07	=	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Total Eubacteria	Other	6.79E+06	=	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Total Eubacteria	Other	2.22E+07	=	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Total Eubacteria	Other	7.00E+06	=	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW027C	1/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Methanogens	Other	1.34E+02	J	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	6.04E+04	=	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	8.04E+03	=	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	7.68E+03	=	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.55E+04	=	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.89E+04	=	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	5.15E+01	J	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1.12E+06	=	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1.53E+05	=	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	5.61E+04	=	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	2.16E+05	=	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1.56E+05	=	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	8.66E+03	=	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW027C	12/16/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	4.78E+02	=	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	12/16/2019	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	1/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	2/18/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	6/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	11/13/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	11/13/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	12/16/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	6.89E+02	=	cells/bead	5.00E+00	2.50E+02
CRW027C	1/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	2/18/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW027C	6/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW027C	11/13/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	12/16/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	1/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	2/18/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW027C	6/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW028C	11/13/2019	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Sulfate Reducing Bacteria	Other	1.73E+04	=	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW028C	12/16/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW028C	1/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW028C	2/18/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW028C	6/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW028C	11/13/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW028C	6/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Dehalobacter spp.	Reductive Dechlorination	3.72E+04	=	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW028C	12/16/2019	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW028C	1/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW028C	2/18/2020	Dehalococcoides	Reductive Dechlorination	9.18E+02	=	cells/bead	5.00E+00	2.50E+01
CRW028C	6/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW028C	11/13/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Desulfitobacterium spp.	Reductive Dechlorination	4.45E+04	=	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Total Eubacteria	Other	1.22E+07	=	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Total Eubacteria	Other	9.45E+06	=	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Total Eubacteria	Other	1.46E+07	=	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Total Eubacteria	Other	2.91E+07	=	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Total Eubacteria	Other	6.64E+06	=	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW028C	1/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Methanogens	Other	1.04E+03	=	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	4.17E+04	=	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.82E+04	=	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.94E+03	=	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	2.76E+04	=	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	3.48E+03	=	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.57E+01	J	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	3.87E+05	=	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW028C	12/16/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	3.39E+05	=	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	2.25E+05	=	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	6.14E+05	=	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	1.23E+05	=	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW028C	12/16/2019	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW028C	1/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW028C	2/18/2020	tceA Reductase	Reductive Dechlorination	9.77E+01	=	cells/bead	5.00E+00	2.50E+01
CRW028C	6/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW028C	11/13/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CRW028C	11/13/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	1.16E+02	J	cells/bead	5.00E+00	2.50E+02
CRW028C	12/16/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.35E+02	J	cells/bead	5.00E+00	2.50E+02
CRW028C	1/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	3.50E+01	J	cells/bead	5.00E+00	2.50E+02
CRW028C	2/18/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	6/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CRW028C	11/13/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW028C	12/16/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW028C	1/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CRW028C	2/18/2020	Vinyl Chloride Reductase	Reductive Dechlorination	8.22E+01	=	cells/bead	5.00E+00	2.50E+01
CRW028C	6/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CSB 15D	11/13/2019	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CSB 15D	6/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CSB 15D	11/13/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Dehalobacter DCM	Reductive Dechlorination	1.60E+02	J	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CSB 15D	6/15/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CSB 15D	6/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CSB 15D	11/13/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Desulfuromonas spp.	Reductive Dechlorination	4.93E+02	=	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Total Eubacteria	Other	5.90E+06	=	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Total Eubacteria	Other	1.88E+07	=	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	2.21E+04	=	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.86E+04	=	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	4.10E+05	=	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	2.66E+05	=	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CSB 15D	11/13/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CSB 15D	6/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CSB 15D	11/13/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	6/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB 15D	11/13/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CSB 15D	6/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CSB020C	11/13/2019	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Sulfate Reducing Bacteria	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CSB020C	6/15/2020	BAV1 Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CSB020C	11/13/2019	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	cerA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Chloroform Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	1,1 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	1,2 DCA Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Dehalobacter DCM	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Dichloromethane Dehalogenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CSB020C	6/15/2020	Dehalobium chlorocoercia	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Dehalobacter spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CSB020C	6/15/2020	Dehalococcoides	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CSB020C	11/13/2019	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Dehalogenimonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Desulfitobacterium spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Desulfuromonas spp.	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Total Eubacteria	Other	1.05E+07	=	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Total Eubacteria	Other	1.13E+07	=	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Ethene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Epoxyalkane Transferase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Methanogens	Other	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	PCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Phenol Hydroxylase	Aerobic (Co)Metabolic	3.05E+04	=	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Phenol Hydroxylase	Aerobic (Co)Metabolic	1.02E+04	=	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Particulate Methane Monooxygenase	CENSUS Targets	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	4.52E+05	=	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Toluene Monooxygenase 2	Aerobic (Co)Metabolic	3.17E+05	=	cells/bead	5.00E+00	2.50E+02

Table 4. BioTrap Quantarray Data (Continued)

Station ID	Sample Date	Parameter	Type	Result	Result Qualifier	Units	Detection Limit	Report Limit
CSB020C	11/13/2019	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Toluene Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Soluble Methane Monooxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Trichlorobenzene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CSB020C	6/15/2020	tceA Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CSB020C	11/13/2019	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	trans-1,2-DCE Reductase	Reductive Dechlorination	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Toluene Dioxygenase	Aerobic (Co)Metabolic	2.50E+02	<	cells/bead	5.00E+00	2.50E+02
CSB020C	6/15/2020	Toluene Dioxygenase	Aerobic (Co)Metabolic	8.80E+00	J	cells/bead	5.00E+00	2.50E+02
CSB020C	11/13/2019	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01
CSB020C	6/15/2020	Vinyl Chloride Reductase	Reductive Dechlorination	2.50E+01	<	cells/bead	5.00E+00	2.50E+01

APPENDIX A

CAGW OU NTC RA Analytical Data 2019-2020

This page was intentionally left blank.

APPENDIX A: CAGW OU NTC RA Data			Field Data									Hydrocarbons		Inorganics			Radio-nuclides	VOC								
			Sample Collection Date	Oxygen	Oxidation/Reduction Potential	pH	Turbidity	Water Temperature	Depth to Water	Specific Conductance	Total Alkalinity (as CaCO ₃)	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	mg/L	mV	pH	NTU	degC	ft	uS/cm	mg/L	Unit	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	pCi/mL	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
Station	Well Use	Aquifer Zone							GWPS							20		2	70	5	100	5				
CRW023C	Monitoring Well	MAZ UTRAU	24-Apr-2019	3.04	323	4.9	2.8	18.6	25.26	32	0	No Comments	<EQL (0.1)	<EQL (0.5)	1910	1600	[0.351]	[419]	4940	NS	<EQL (1)	<EQL (1)	[0.56]	NS	[16.3]	
			22-May-2019	4.13	305	4.5	3.6	20.6	25.33	32	0	No Comments	<EQL (0.1)	<EQL (0.5)	2040	1530	[0.378]	[433]	4540	NS	<EQL (1)	<EQL (1)	[0.49]	NS	18.1	
			26-Jun-2019	5.94	299	4.9	0.8	18.8	25.44	31	0	No Comments	<EQL (0.1)	<EQL (0.5)	1950	1590	[0.313]	[351]	4400	NS	<EQL (1)	<EQL (1)	[0.5]	NS	16	
			13-Nov-2019	7.07	291	5	3.6	18.2	25.83	34	0	No Comments	<EQL (0.1)	<EQL (0.5)	2240	1710	0.499	2000	3290	NS	<EQL (1)	<EQL (1)	[0.35]	NS	10.6	
			16-Dec-2019	4.4	254	5.5	1.1	18.6	25.8	42	6	No Comments	[0.033]	[0.098]	2130	1320	0.904	5150	4720	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	[11.1]	
			15-Jan-2020	3.24	-4	5.8	3.4	18.9	25.5	80	17	No Comments	[0.039]	[0.066]	2380	655	1.29	8820	4520	NS	<EQL (1)	<EQL (1)	[0.44]	NS	18.4	
			18-Feb-2020	1.78	43	5.4	1.5	18.4	25.11	42	29	No Comments	[0.028]	<EQL (0.5)	2100	917	0.649	[4610]	2380	NS	<EQL (1)	<EQL (1)	[0.36]	NS	9.32	
			15-Jun-2020	9.45	261	5.3	1.7	18.7	24.45	37	0	No Comments	<EQL (25)	<EQL (25)	2400	1370	1.79	<EQL (1000)	2440	<EQL (2)	<EQL (1)	<EQL (1)	[0.41]	<EQL (1)	[34.4]	
CRW024C	Monitoring Well	MAZ UTRAU	24-Apr-2019	NS	NS	NS	NS	NS	NS	NS	NS	No Comments	<EQL (0.1)	<EQL (0.5)	1800	1380	[0.384]	[376]	2370	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	[23.4]	
			24-Apr-2019	3.92	240	4.9	0.9	18.9	38.55	29	0	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			22-May-2019	3.96	315	4.3	1.4	19.9	38.43	29	0	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			05-Jun-2019	6.79	254	4.9	0.5	18.9	38.67	29	0	No Comments	<EQL (0.1)	<EQL (0.5)	1870	1390	[0.32]	[576]	2180	NS	<EQL (1)	<EQL (1)	[0.39]	NS	30.6	
			26-Jun-2019	6.1	407	4.8	0.6	19.1	38.71	30	0	No Comments	<EQL (0.1)	<EQL (0.5)	1880	1380	[0.317]	<EQL (1000)	2150	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	28	
			13-Nov-2019	7.21	298	5.1	1.4	18.4	39.2	29	0	No Comments	<EQL (0.1)	<EQL (0.5)	2050	1530	[0.306]	<EQL (1000)	1960	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	23.8	
			16-Dec-2019	4.8	262	5.8	1.3	18.3	39.3	29	0	No Comments	[0.01]	[0.047]	1950	1480	0.665	[407]	2700	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	[26.2]	
15-Jan-2020	5.41	264	4.8	1.3	18.8	38.9	30	0	No Comments	<EQL (0.1)	<EQL (0.5)	1890	[1420]	0.416	[441]	1970	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	26.6				
18-Feb-2020	11.24	349	4.4	2.8	18.4	38.57	29	2	No Comments	[0.0079]	<EQL (0.5)	1880	1430	[0.331]	<EQL (1000)	1830	NS	<EQL (1)	<EQL (1)	[0.44]	NS	27.4				
15-Jun-2020	12.03	293	4.9	0.7	18.9	37.51	28	0	No Comments	<EQL (25)	<EQL (25)	1920	1390	0.634	<EQL (1000)	1320	<EQL (2)	<EQL (1)	<EQL (1)	[0.44]	<EQL (1)	[29.6]				
CRW025C	Monitoring Well	MAZ UTRAU	19-Jun-2019	5.15	285	4.6	4.4	19.1	12.5	24	0	No Comments	<EQL (0.1)	<EQL (0.5)	2010	859	[0.348]	[353]	296	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	18.2	
			13-Nov-2019	NS	NS	NS	NS	NS	NS	NS	NS	No Comments	<EQL (0.1)	<EQL (0.5)	2030	929	[0.347]	[662]	297	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	18.9	
			13-Nov-2019	6.74	271	4.9	5.9	18.1	12.6	26	0	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
15-Jun-2020	6.69	286	4.2	5.1	18.3	11.99	22	2	No Comments	<EQL (25)	<EQL (25)	2140	736	0.584	<EQL (1000)	96.6	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	5.96				
CRW026C	Monitoring Well	MAZ UTRAU	29-Apr-2019	4.51	258	4.8	1	18.5	8.2	29	0	No Comments	<EQL (0.1)	<EQL (0.5)	1760	1340	0.675	[438]	2080	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	5.59	
			22-May-2019	4.2	364	4.7	1.2	19	8.23	27	0	No Comments	<EQL (0.1)	<EQL (0.5)	1860	1280	0.434	[340]	1850	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	5.72	
			26-Jun-2019	4.9	273	4.9	1	19.3	8.26	28	0	No Comments	<EQL (0.1)	<EQL (0.5)	1780	1370	[0.335]	<EQL (1000)	1940	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	5.55	
			13-Nov-2019	16.48	153	5.6	8.5	17.5	8.36	143	56	No Comments	<EQL (0.1)	0.55	2890	339	1.63	<EQL (1000)	1130	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	3.63	
			16-Dec-2019	18.12	96	5.9	2.2	18.4	8.2	126	50	No Comments	[0.072]	5.2	2680	184	3.45	27500	1270	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	[4.22]	
			15-Jan-2020	3.02	64	5.9	2.1	18.6	8	96	29	No Comments	[0.05]	15	2470	[186]	2.22	18900	1300	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	5.35	
			18-Feb-2020	4.18	75	5.8	2.8	18.3	7.97	65	38	No Comments	[0.04]	5.8	2130	230	3.39	10100	1080	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	4.76	
15-Jun-2020	4.87	144	5.4	2.8	18.8	7.91	61	28	No Comments	<EQL (25)	26.2	2280	1120	0.695	[482]	2600	<EQL (2)	<EQL (1)	<EQL (1)	[0.34]	<EQL (1)	34.5				

This page was intentionally left blank.

APPENDIX A: CAGW OU NTC RA Data			Field Data									Hydrocarbons		Inorganics			Radio-nuclides	VOC							
			Sample Collection Date	Oxygen	Oxidation/Reduction Potential	pH	Turbidity	Water Temperature	Depth to Water	Specific Conductance	Total Alkalinity (as CaCO ₃)	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	mg/L	mV	pH	NTU	degC	ft	uS/cm		mg/L	Unit	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	pCi/mL	µg/L	µg/L	µg/L	µg/L
			Station	Well Use	Aquifer Zone	GWPS														20			2	70	5
CRW027C	Monitoring Well	MAZ UTRAU	29-Apr-2019	4.6	472	4.6	0.6	17.6	5.1	28	0	No Comments	<EQL (0.1)	<EQL (0.5)	1720	1280	0.478	[461]	1690	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	4.37
			22-May-2019	4.34	290	4.6	0.9	18.9	5.23	27	0	No Comments	<EQL (0.1)	<EQL (0.5)	1790	1270	[0.32]	[335]	1390	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	3.83
			26-Jun-2019	4.6	282	5.5	0.8	18.9	5.2	27	0	No Comments	<EQL (0.1)	<EQL (0.5)	1680	1230	[0.37]	<EQL (1000)	1200	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	2.01
			13-Nov-2019	10.21	233	4.6	1.1	17.4	5.36	27	0	No Comments	<EQL (0.1)	<EQL (0.5)	1900	1420	[0.299]	<EQL (1000)	988	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	4.39
			16-Dec-2019	10.11	249	4.8	0.9	17.9	5.24	26	2	No Comments	<EQL (0.1)	<EQL (0.5)	1780	1270	0.733	[540]	1110	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	[4.06]
			15-Jan-2020	5.86	238	4.6	1	18	5.1	26	0	No Comments	<EQL (0.1)	<EQL (0.5)	1760	[1210]	0.506	[423]	1100	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	3.44
			18-Feb-2020	9.82	296	4.3	0.9	17.6	5.05	26	0	No Comments	[0.0071]	<EQL (0.5)	1770	1190	<EQL (0.4)	[447]	1080	NS	<EQL (1)	<EQL (1)	[0.45]	NS	4.86
15-Jun-2020	8.51	284	4.2	1.5	18.5	4.84	28	2	No Comments	<EQL (25)	[15.4]	1910	1390	0.618	<EQL (1000)	848	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	NS	4.35		
CRW028C	Monitoring Well	MAZ UTRAU	03-Apr-2019	4.76	206	8.1	2.2	19.1	2	31	NS	No Comments	NS	NS	2200	NS	[0.288]	NS	1310	NS	NS	NS	[0.53]	NS	8.9
			29-Apr-2019	3.89	275	4.7	4.1	18.6	5.3	33	0	No Comments	<EQL (0.1)	<EQL (0.5)	2090	1500	[0.391]	[384]	1740	NS	<EQL (1)	<EQL (1)	[0.47]	NS	9.17
			22-May-2019	4.52	318	4.5	1.4	19.1	5.4	32	0	No Comments	<EQL (0.1)	<EQL (0.5)	2160	1460	[0.309]	[380]	1720	NS	<EQL (1)	<EQL (1)	[0.55]	NS	10.2
			26-Jun-2019	NS	NS	NS	NS	NS	NS	NS	NS	No Comments	<EQL (0.1)	<EQL (0.5)	2050	1540	[0.283]	[440]	1580	NS	<EQL (1)	<EQL (1)	[0.47]	NS	7.44
			26-Jun-2019	4.7	307	5.8	1.5	19.2	5.4	31	0	No Comments	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			13-Nov-2019	9.81	298	4.4	7.8	18.5	5.59	29	0	No Comments	<EQL (0.1)	<EQL (0.5)	1930	1390	[0.34]	<EQL (1000)	1170	NS	<EQL (1)	<EQL (1)	[0.39]	NS	6.68
			16-Dec-2019	8.37	302	4.8	4.3	18.2	5.49	30	2	No Comments	<EQL (0.1)	<EQL (0.5)	2020	1400	0.698	[368]	1210	NS	<EQL (1)	<EQL (1)	[0.39]	NS	[9.35]
15-Jan-2020	5.33	299	4.7	3.4	18.7	5.3	30	0	No Comments	[0.0078]	[0.046]	1990	[1340]	0.468	[504]	1140	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	9.26			
18-Feb-2020	8.63	309	4.5	2.9	18	5.2	34	2	No Comments	<EQL (0.1)	<EQL (0.5)	2230	1560	0.676	<EQL (1000)	1260	NS	<EQL (1)	<EQL (1)	[0.68]	NS	10.1			
15-Jun-2020	7.34	327	4.1	4.3	19	4.87	31	2	No Comments	<EQL (25)	<EQL (25)	2190	1520	1.03	[347]	1480	<EQL (2)	<EQL (1)	<EQL (1)	[0.49]	<EQL (1)	5.63			
CSB 15D	Monitoring Well	MAZ UTRAU	12-Jun-2019	4.6	283	5.7	11.5	18.7	27.8	28	6	No Comments	<EQL (0.1)	<EQL (0.5)	2230	[942]	[0.37]	NS	509	<EQL (2)	<EQL (1)	<EQL (1)	[0.38]	<EQL (1)	41.3
			26-Jun-2019	5.49	233	5.7	129	21	28.7	26	4	No Comments	<EQL (0.1)	<EQL (0.5)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			13-Nov-2019	10.3	271	5	50.9	15.5	29.24	30	0	No Comments	<EQL (0.1)	<EQL (0.5)	2050	925	[0.354]	[355]	597	NS	<EQL (1)	<EQL (1)	[0.55]	NS	60
			15-Jun-2020	7.61	281	5	8.2	18.3	27.37	27	0	No Comments	<EQL (25)	<EQL (25)	2260	948	0.547	NS	442	<EQL (2)	<EQL (1)	<EQL (1)	[0.65]	<EQL (1)	68.2
CSB020C	Monitoring Well	MAZ UTRAU	12-Jun-2019	4.8	240	5.3	10.3	18.9	38.4	31	8	No Comments	<EQL (0.1)	<EQL (0.5)	2350	[1320]	[0.344]	NS	385	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	25.9
26-Jun-2019			6.75	252	5.7	66.6	22.4	39.2	30	0	No Comments	<EQL (0.1)	<EQL (0.5)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
13-Nov-2019			8.36	250	5.4	15	15.8	40	32	3	No Comments	<EQL (0.1)	<EQL (0.5)	2310	1320	[0.333]	<EQL (1000)	429	NS	<EQL (1)	<EQL (1)	[0.43]	NS	30.9	
15-Jun-2020			7.23	263	5.3	4.7	20.4	37.48	26	0	No Comments	<EQL (25)	<EQL (25)	NS	NS	NS	NS	NS	<EQL (2)	<EQL (1)	<EQL (1)	[0.62]	<EQL (1)	48.3	
CCSL-08	Seepline		18-Jun-2019	4.1	372	6	19.1	22.7	0.1	25	11	X	<EQL (0.1)	<EQL (0.5)	1980	454	[0.316]	[622]	116	<EQL (2)	<EQL (1)	<EQL (1)	<EQL (1)	<EQL (1)	4.36
			14-Nov-2019	10.86	298	4.9	75.8	11.9	0.1	20	NS	XL	<EQL (0.1)	<EQL (0.5)	2160	503	[0.299]	[725]	103	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	3.67

This page was intentionally left blank.

This page was intentionally left blank.

APPENDIX A: CAGW OU NTC RA Data			Field Data									Hydrocarbons		Inorganics			Radio-nuclides	VOC							
			Sample Collection Date	Oxygen	Oxidation/Reduction Potential	pH	Turbidity	Water Temperature	Depth to Water	Specific Conductance	Total Alkalinity (as CaCO ₃)	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
			D-M-Yr	mg/L	mV	pH	NTU	degC	ft	uS/cm	mg/L	Unit	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	pCi/mL	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
			Station	Well Use	Aquifer Zone	GWPS															20	2	70	5	100
CCT 01	Surface Water		24-Apr-2019	4.31	268	5	4.4	16.9	NS	22	0	No Comments	<EQL (0.1)	0.8	2180	604	0.589	1880	578	NS	<EQL (1)	[0.34]	<EQL (1)	NS	[9.38]
			22-May-2019	4.11	269	4.9	4.1	20.1	NS	23	0	No Comments	<EQL (0.1)	<EQL (0.5)	2390	605	0.512	1610	594	NS	<EQL (1)	[0.39]	<EQL (1)	NS	9.01
			26-Jun-2019	5.98	207	5.3	3.5	20.1	NS	22	2	No Comments	<EQL (0.1)	<EQL (0.5)	2290	635	0.509	1800	594	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	7.93
			13-Nov-2019	7.13	168	7	4.6	11.4	NS	27	2	No Comments	<EQL (0.1)	0.66	2540	633	0.706	2170	609	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	6.37
			16-Dec-2019	6.01	180	6.6	4.2	10	NS	309	12	No Comments	[0.016]	0.54	2490	592	0.94	4060	509	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	[8.02]
			22-Jan-2020	1.84	166	6.4	3.1	9.7	NS	26	5	No Comments	[0.0079]	0.75	2450	583	1.07	2670	434	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	8.38
			18-Feb-2020	5.08	0.2	5.6	5	14.6	NS	24	3	No Comments	<EQL (0.1)	0.64	2400	468	1.02	3780	353	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	7.37
CCT 02	Surface Water		15-Jun-2020	6.75	180	5.4	4.7	19.4	NS	22	3	No Comments	<EQL (25)	<EQL (25)	2480	466	0.814	2820	329	<EQL (2)	<EQL (1)	[0.37]	<EQL (1)	<EQL (1)	[7.34]
			24-Apr-2019	7	257	5.3	4.8	16.5	NS	21	2	No Comments	<EQL (0.1)	2.2	2300	299	0.727	2560	151	NS	<EQL (1)	[0.74]	<EQL (1)	NS	[5.92]
			22-May-2019	3.86	243	5.5	7.9	20.4	NS	20	3	No Comments	<EQL (0.1)	1.8	2530	290	0.639	2260	153	NS	<EQL (1)	[0.98]	<EQL (1)	NS	6.62
			26-Jun-2019	5.59	200	5	2.8	20.8	NS	21	0	No Comments	<EQL (0.1)	1.7	2470	301	0.646	2810	143	NS	<EQL (1)	<EQL (1)	<EQL (1)	NS	4.56
			13-Nov-2019	6.24	172	7	1.1	9	NS	22	2	No Comments	<EQL (0.1)	2.4	2740	329	0.729	2530	130	NS	<EQL (1)	[0.75]	<EQL (1)	NS	5.24
			16-Dec-2019	6	232	6	4.3	9.1	NS	23	9	No Comments	[0.011]	2.1	2690	330	0.98	4930	98.4	NS	<EQL (1)	[0.71]	<EQL (1)	NS	[5.66]
			22-Jan-2020	2.1	182	6	0.6	7.7	NS	22	3	No Comments	[0.011]	3	2600	391	1.11	2770	87.6	NS	<EQL (1)	[0.64]	<EQL (1)	NS	5.76
CCT 03	Surface Water		18-Feb-2020	4.8	250	5	7.7	14.4	NS	21	0	No Comments	<EQL (0.1)	2.2	2470	315	1.03	4140	71.2	NS	<EQL (1)	[0.51]	<EQL (1)	NS	4.85
			15-Jun-2020	6.36	181	5.3	11.7	19.6	NS	20	3	No Comments	<EQL (25)	<EQL (25)	2660	298	0.823	3570	105	<EQL (2)	<EQL (1)	[0.6]	<EQL (1)	<EQL (1)	[4.11]
			24-Apr-2019	3.14	251	5.4	3.7	16.6	NS	23	3	No Comments	<EQL (0.1)	10	2340	273	0.811	2660	53.9	NS	<EQL (1)	1.29	<EQL (1)	NS	[10.7]
			22-May-2019	2.71	245	5.4	8.9	20.4	NS	21	3	No Comments	<EQL (0.1)	13	2570	258	0.728	2320	55.7	NS	<EQL (1)	1.35	<EQL (1)	NS	10.2
			26-Jun-2019	4.45	181	5.3	1.1	21.2	NS	22	2	No Comments	<EQL (0.1)	8.5	2540	261	0.689	2990	56.2	NS	<EQL (1)	1.11	<EQL (1)	NS	10.9
			13-Nov-2019	7.46	105	7	2.9	8.5	NS	43	4	No Comments	<EQL (0.1)	11	2770	297	0.78	2780	[43.3]	NS	<EQL (1)	1.34	<EQL (1)	NS	9.13
			16-Dec-2019	6	233	6	4.9	9.3	NS	231	11	No Comments	[0.012]	14	2710	310	1.02	4890	28.7	NS	<EQL (1)	1.06	<EQL (1)	NS	[8.24]
			22-Jan-2020	2.12	189	5.8	0.6	7.5	NS	29	2	No Comments	[0.019]	[13]	2650	370	1.2	2800	24.2	NS	<EQL (1)	[0.94]	<EQL (1)	NS	8.9
			18-Feb-2020	4.55	249	4.8	1.9	14.5	NS	26	0	No Comments	[0.0071]	7.4	2520	299	1.07	4190	23.5	NS	<EQL (1)	[0.91]	<EQL (1)	NS	9.18
			15-Jun-2020	5.82	172	5.7	19.8	19.7	NS	22	6	No Comments	<EQL (25)	[12.4]	2620	275	0.854	3580	64.9	[1.2]	<EQL (1)	[1.2]	<EQL (1)	<EQL (1)	[8.17]

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.
NS 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.

This page was intentionally left blank.

APPENDIX B

CAGW OU Hydrographs

This page intentionally left blank.

Figure B-1.

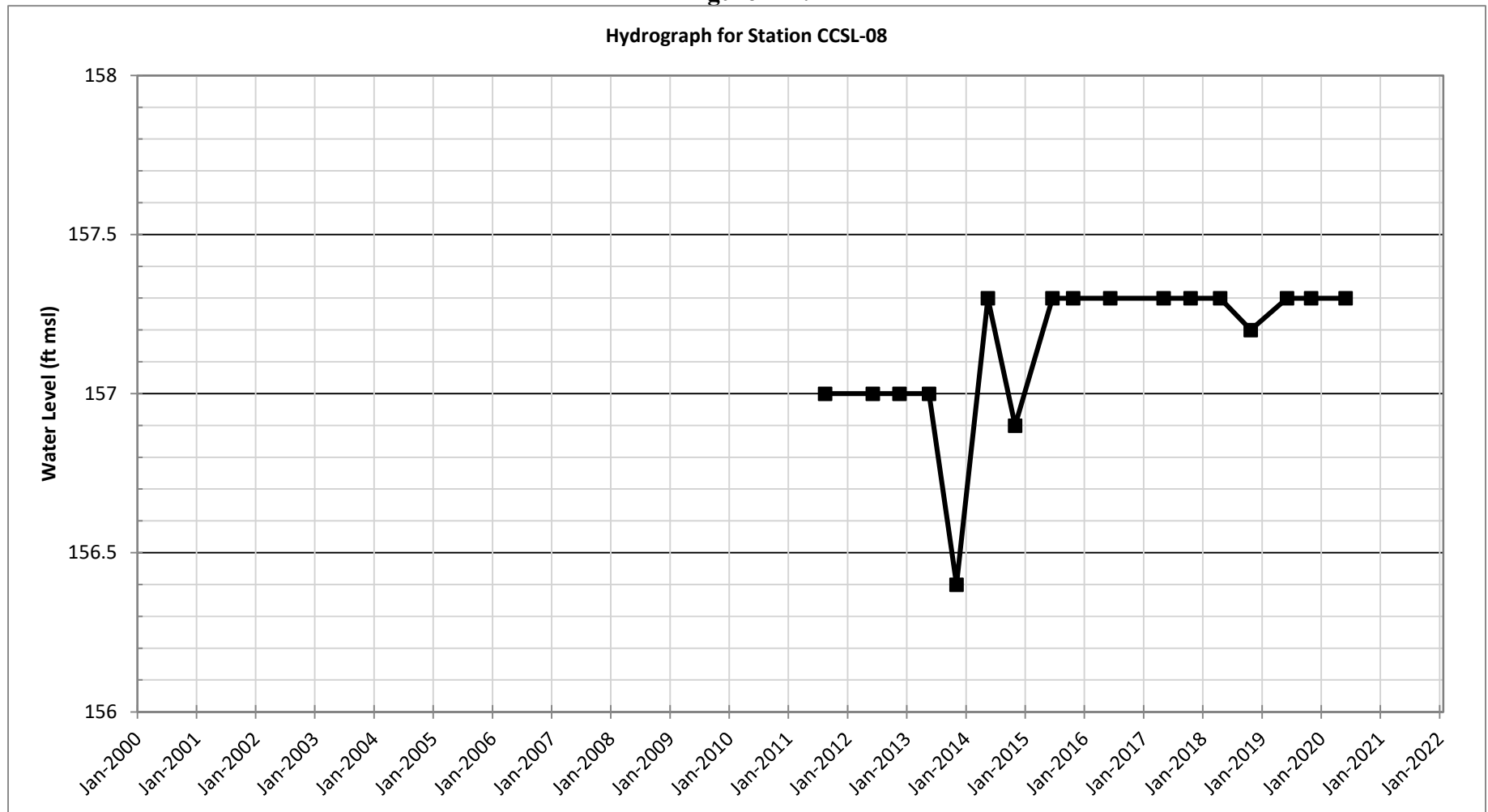


Figure B-2.

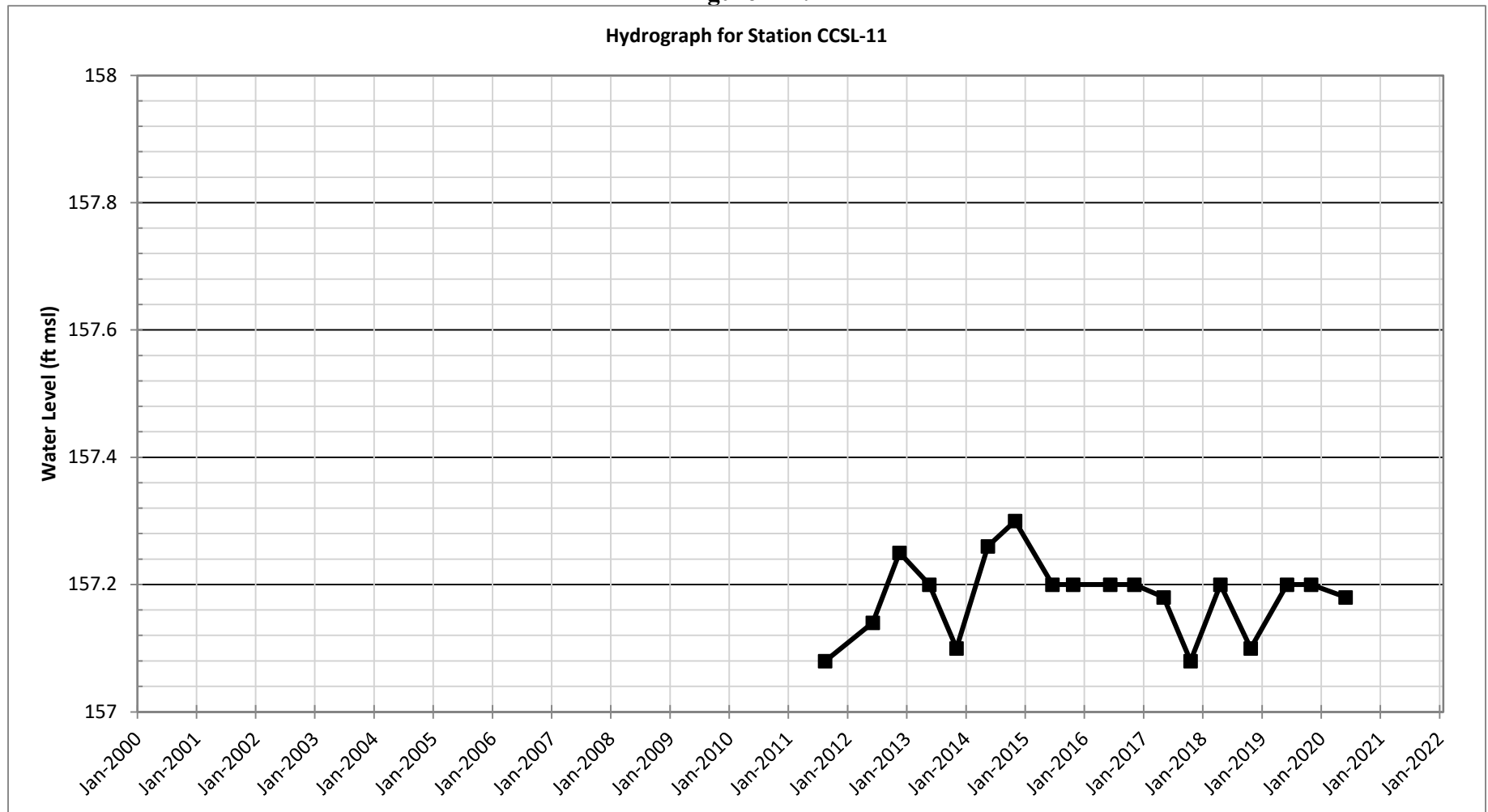


Figure B-3.

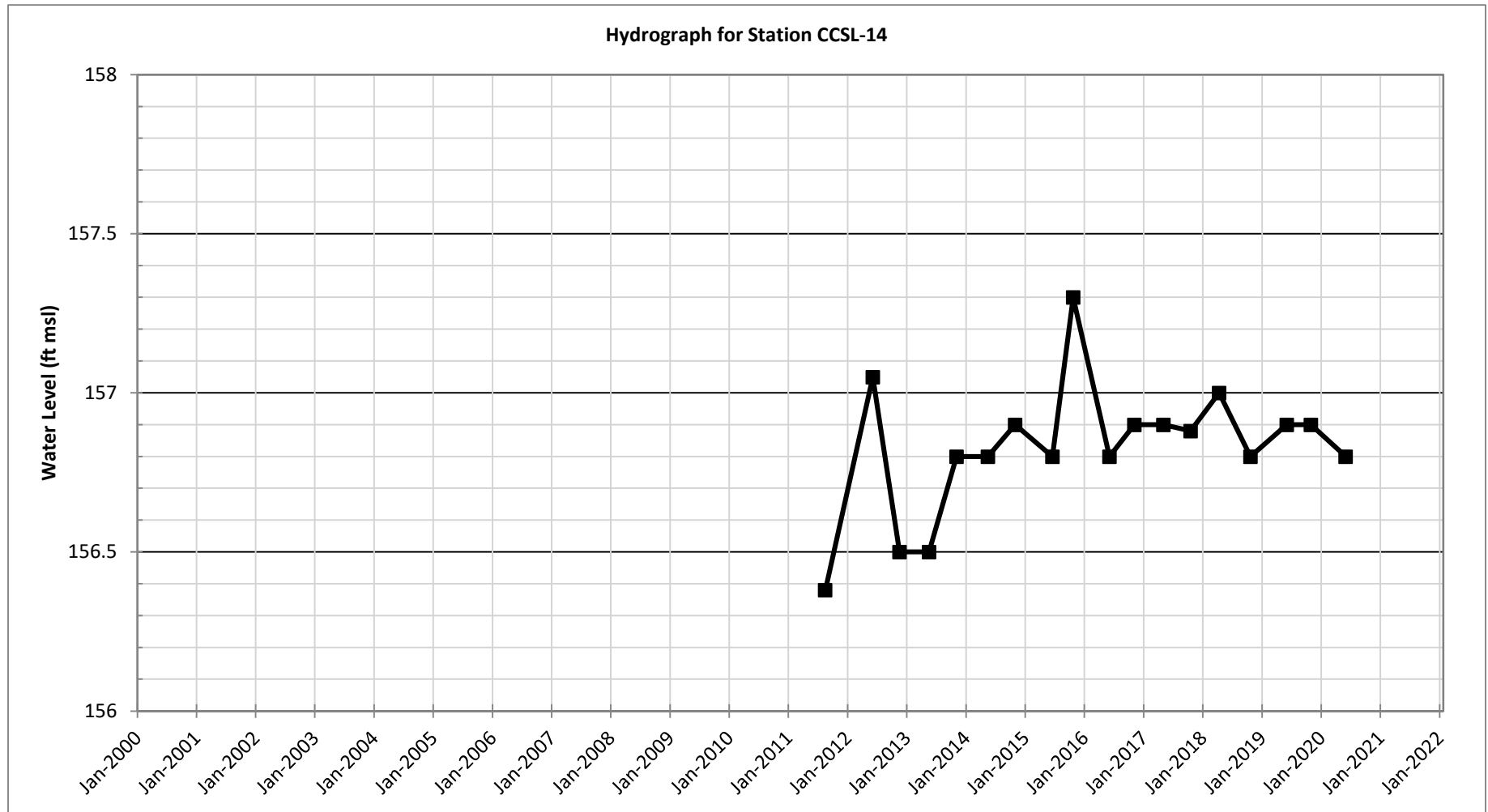


Figure B-4.

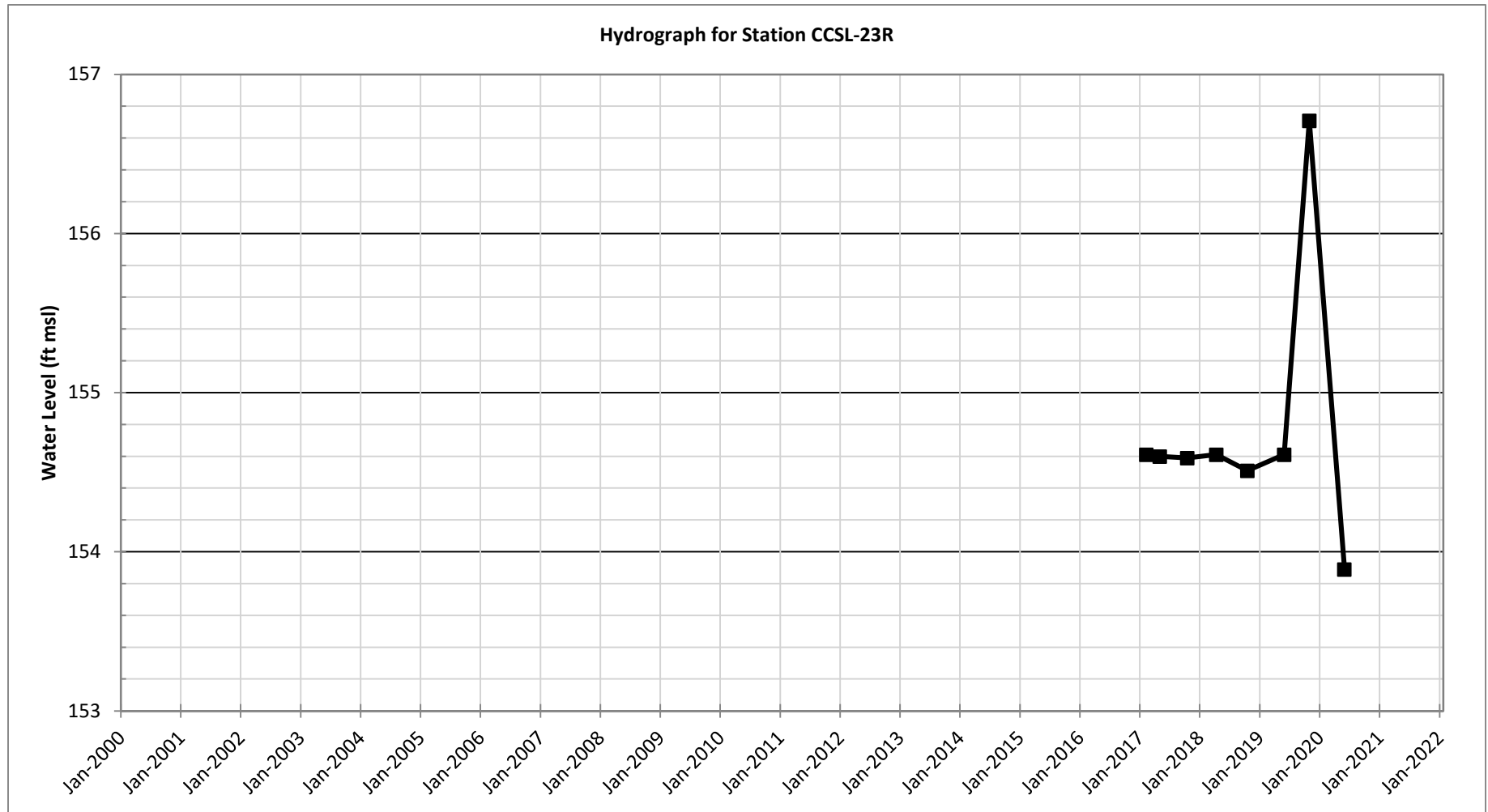


Figure B-5.

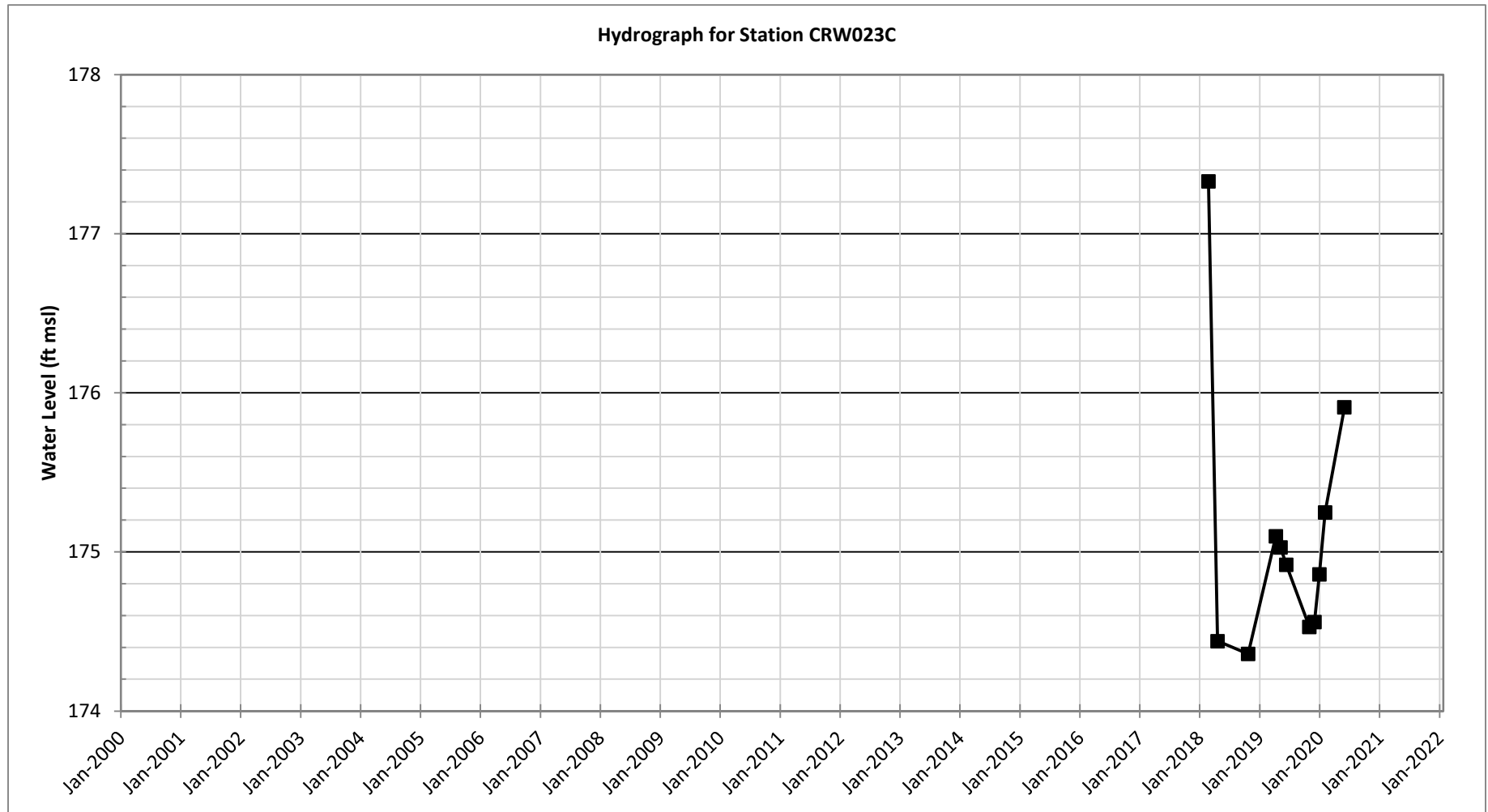


Figure B-6.

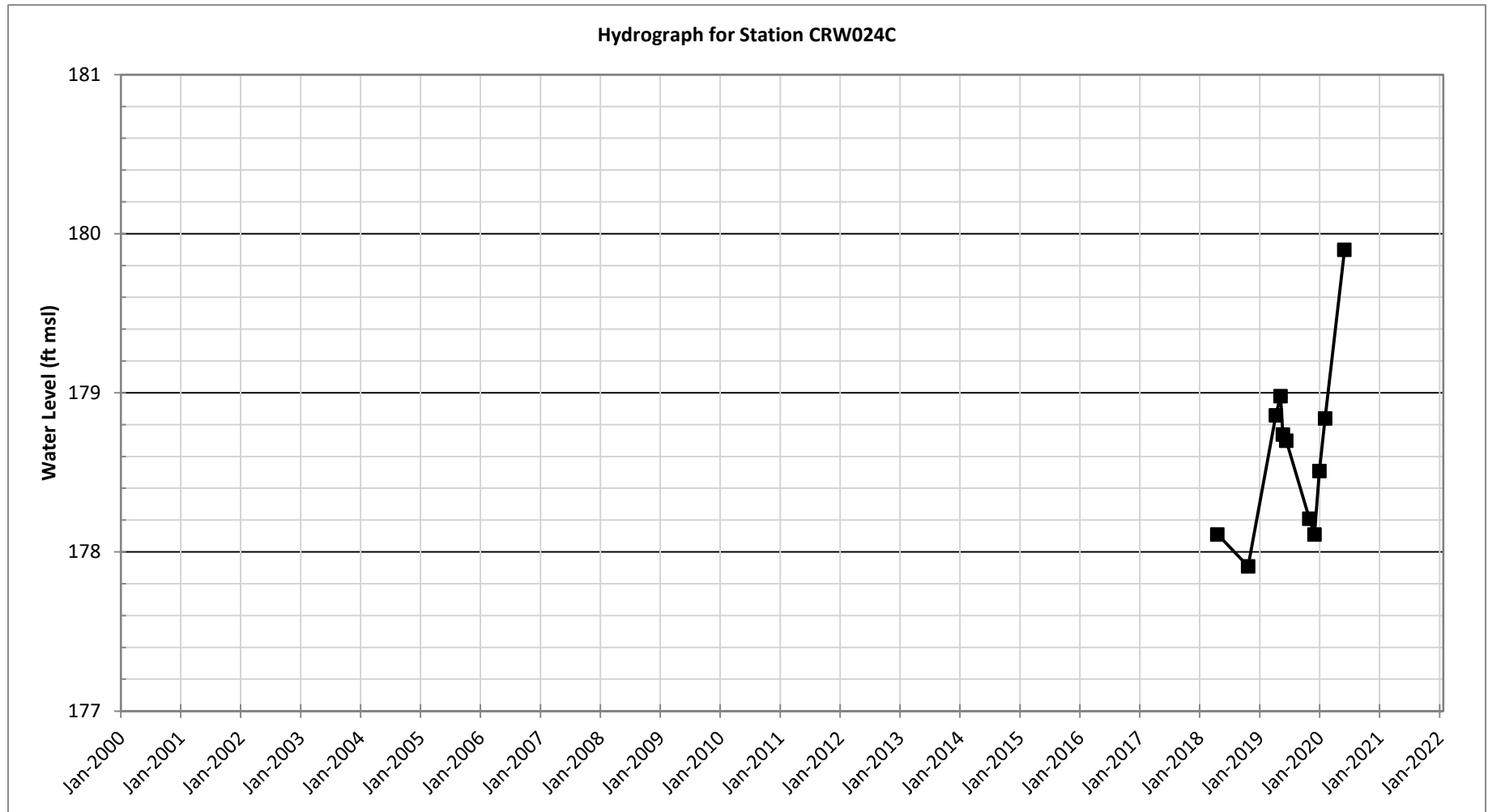


Figure B-7.

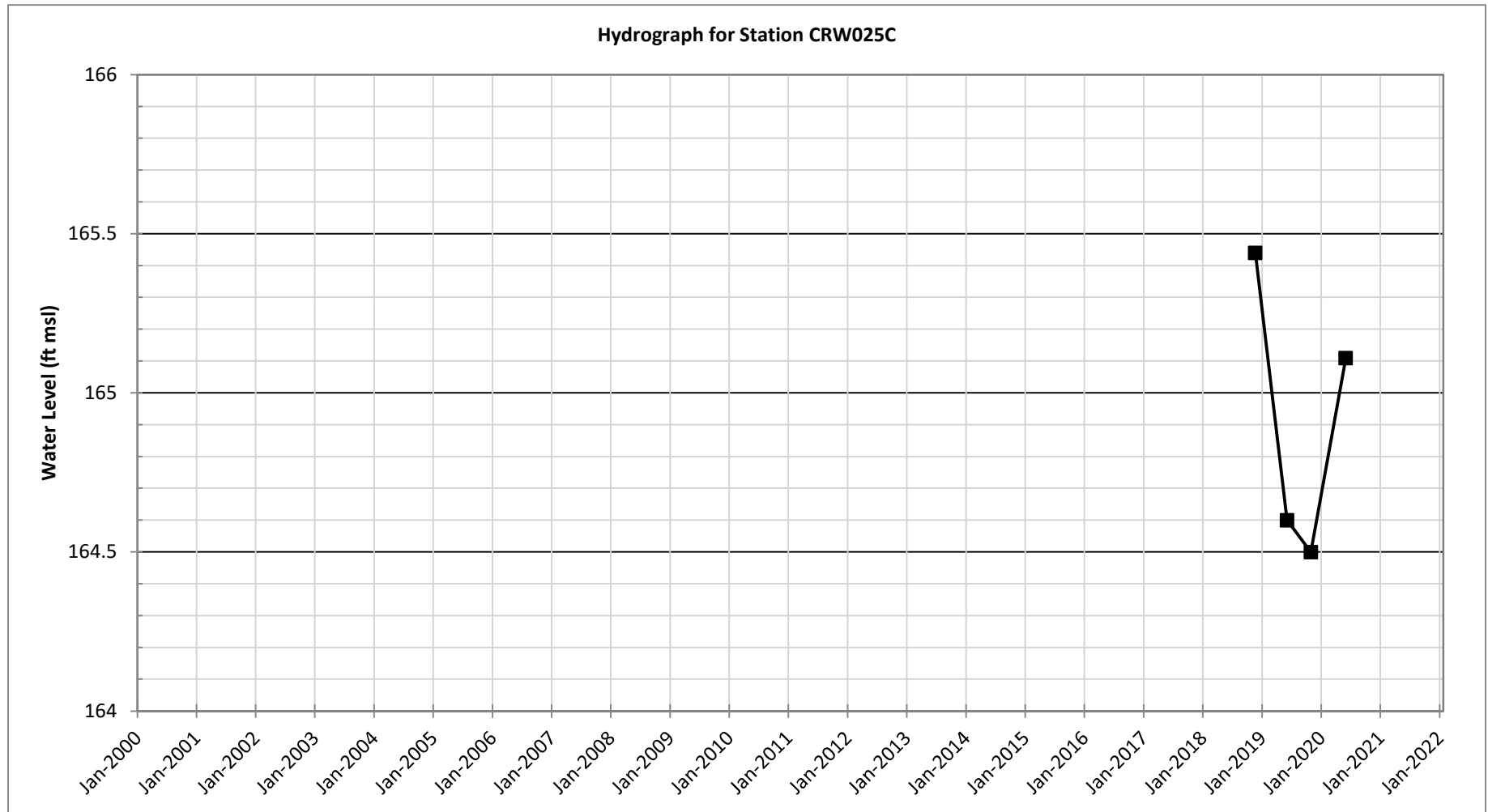


Figure B-8.

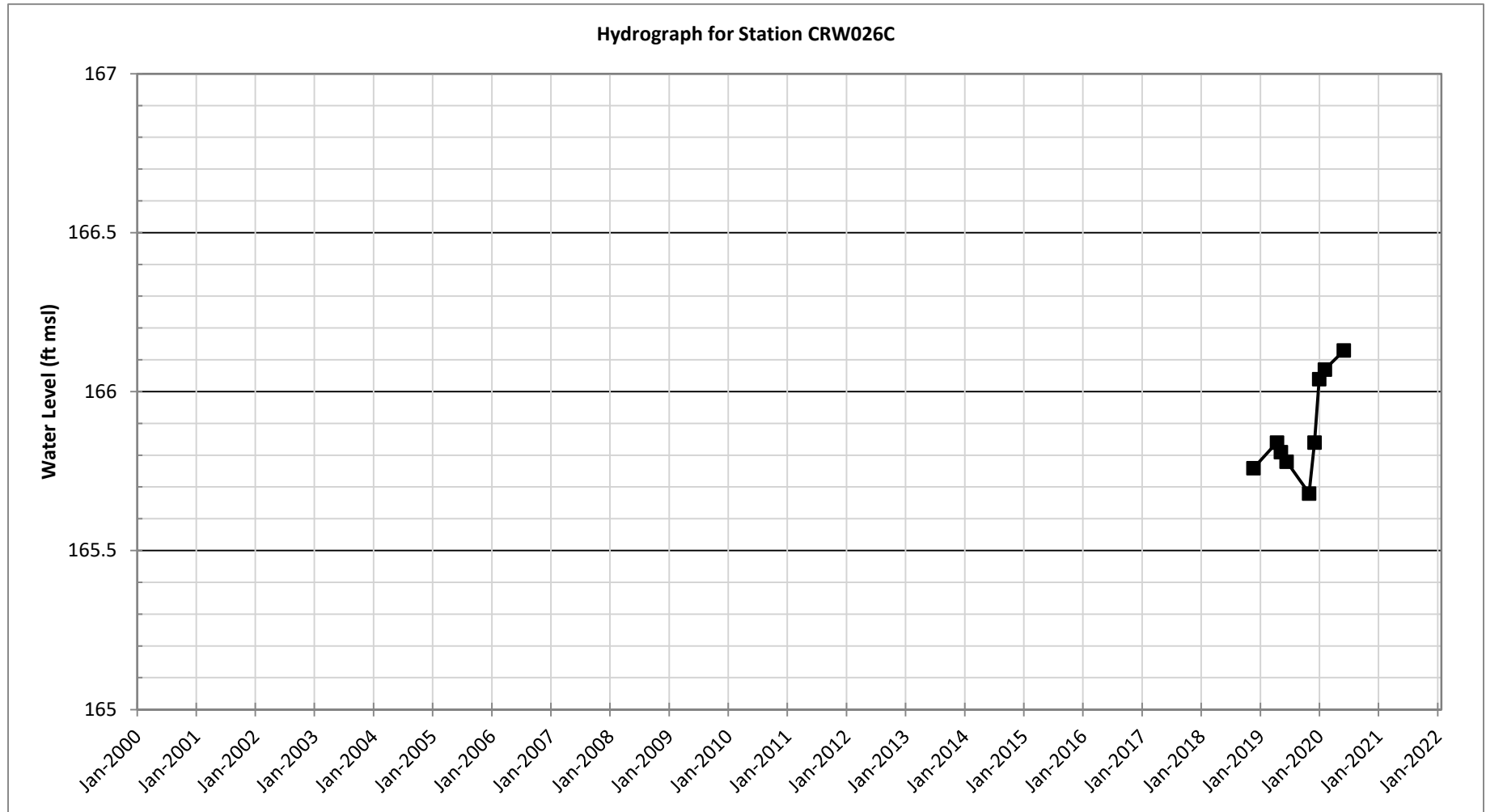


Figure B-9.

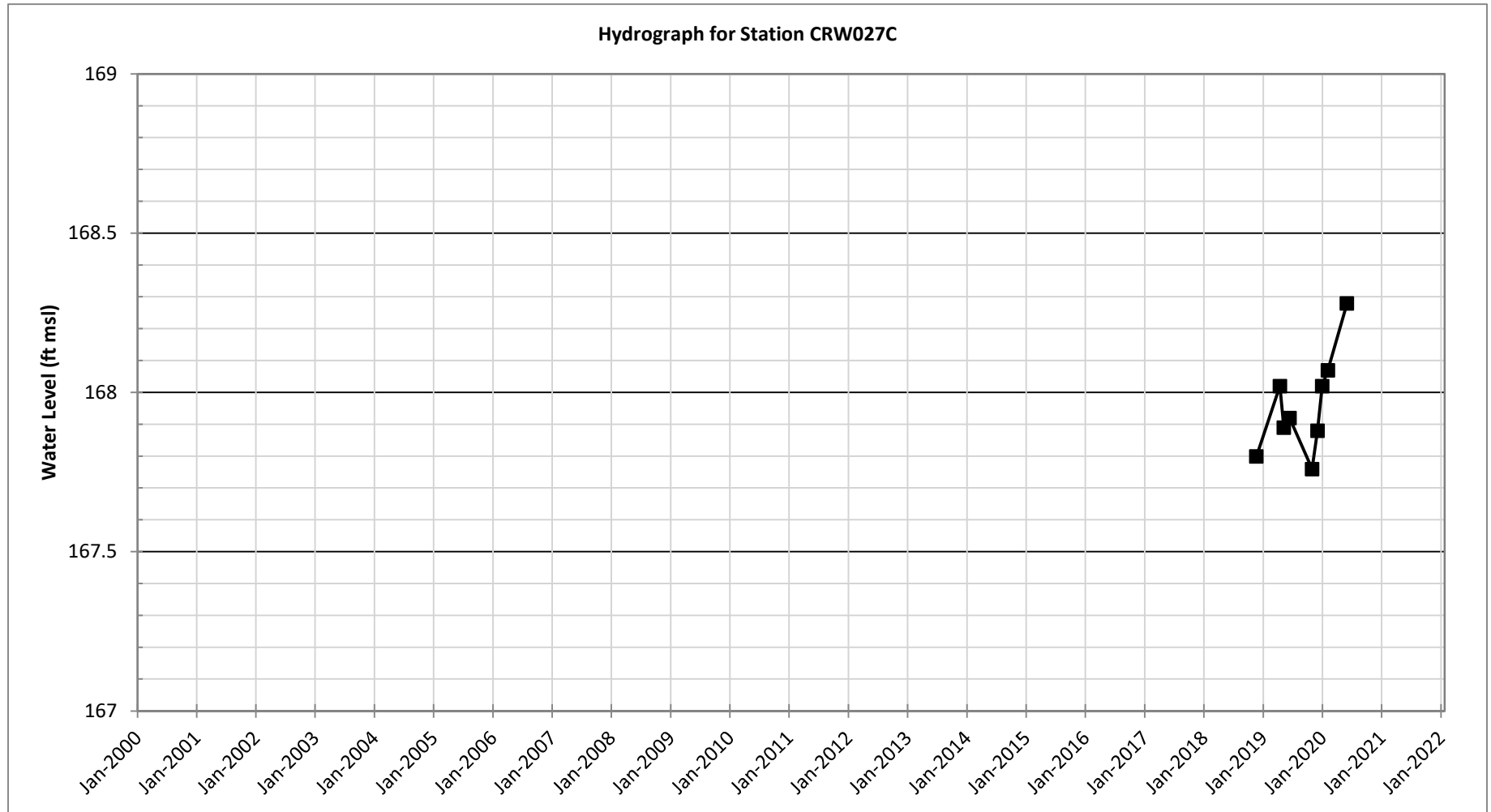


Figure B-10.

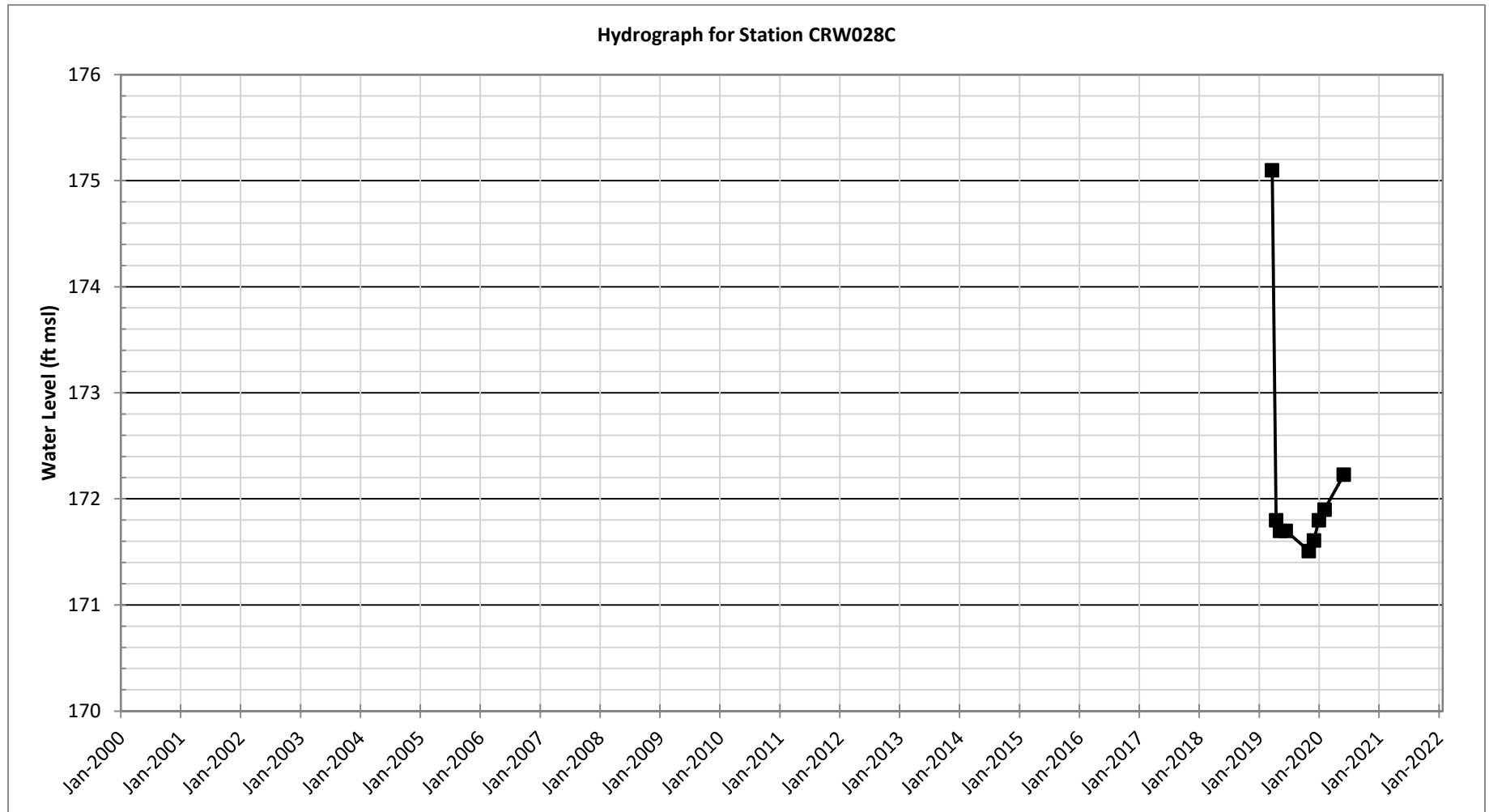


Figure B-11.

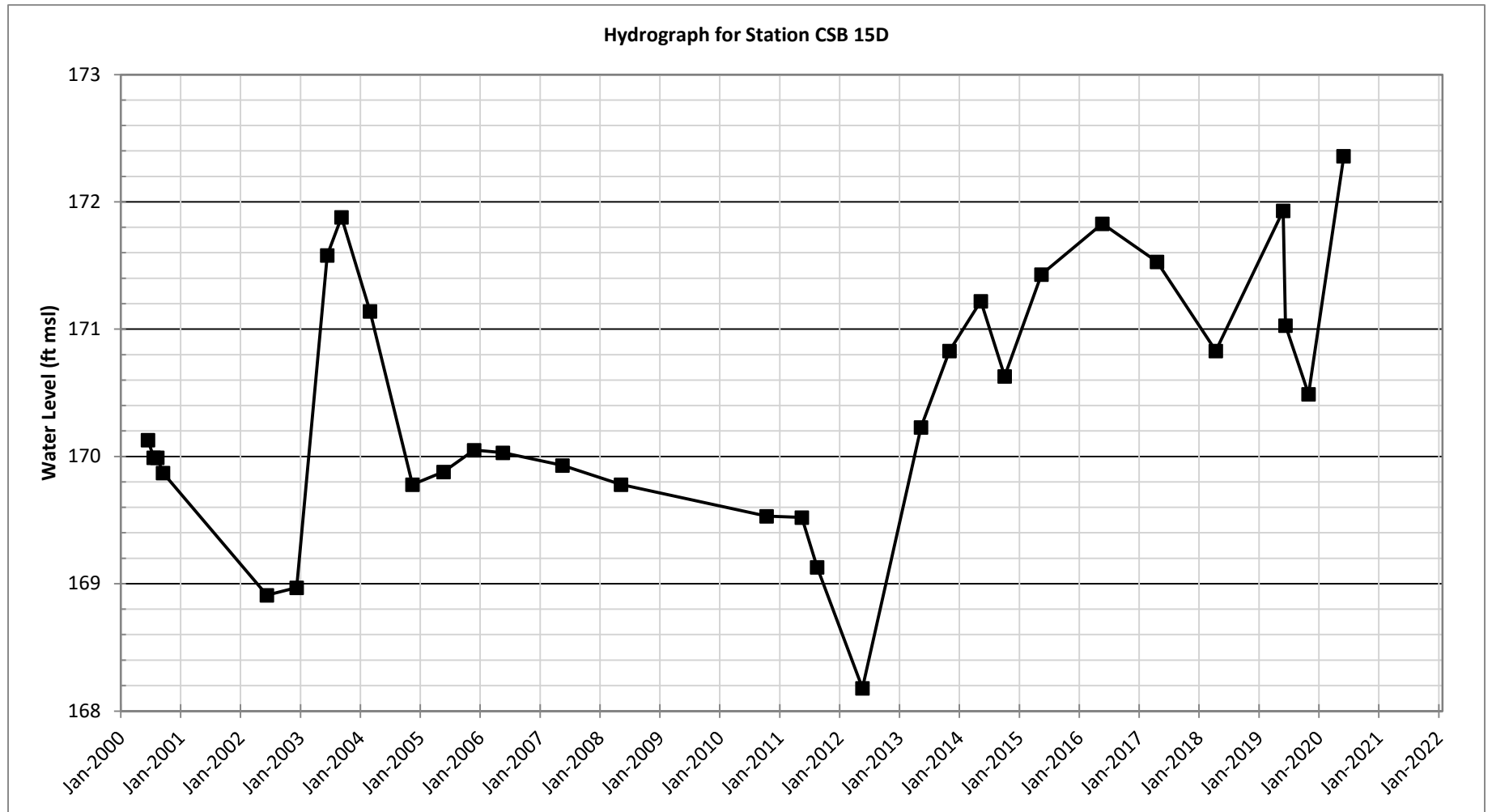
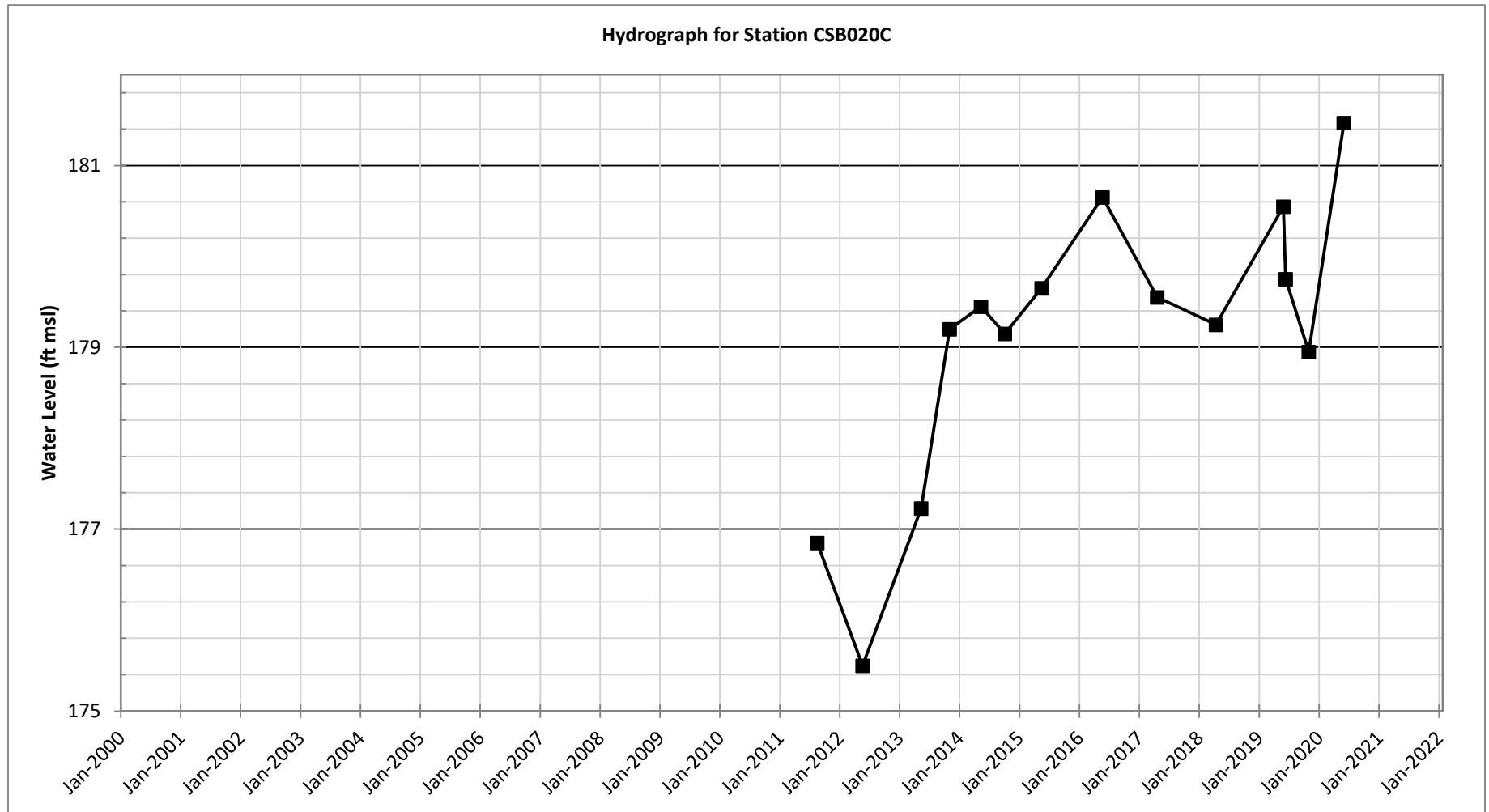


Figure B-12.



APPENDIX C

Time-Series Plots

This page intentionally left blank.

Figure C-1.

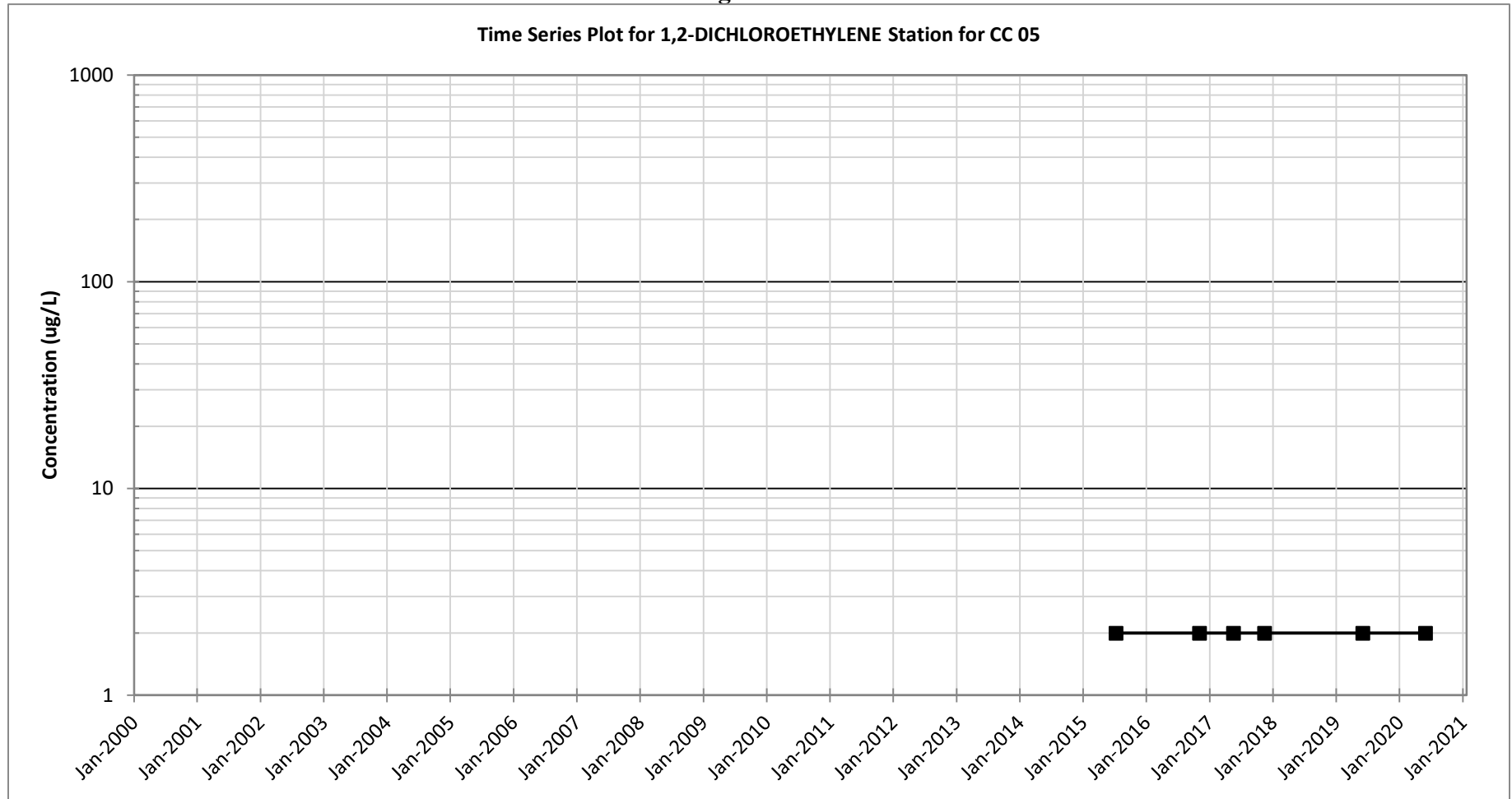


Figure C-2.

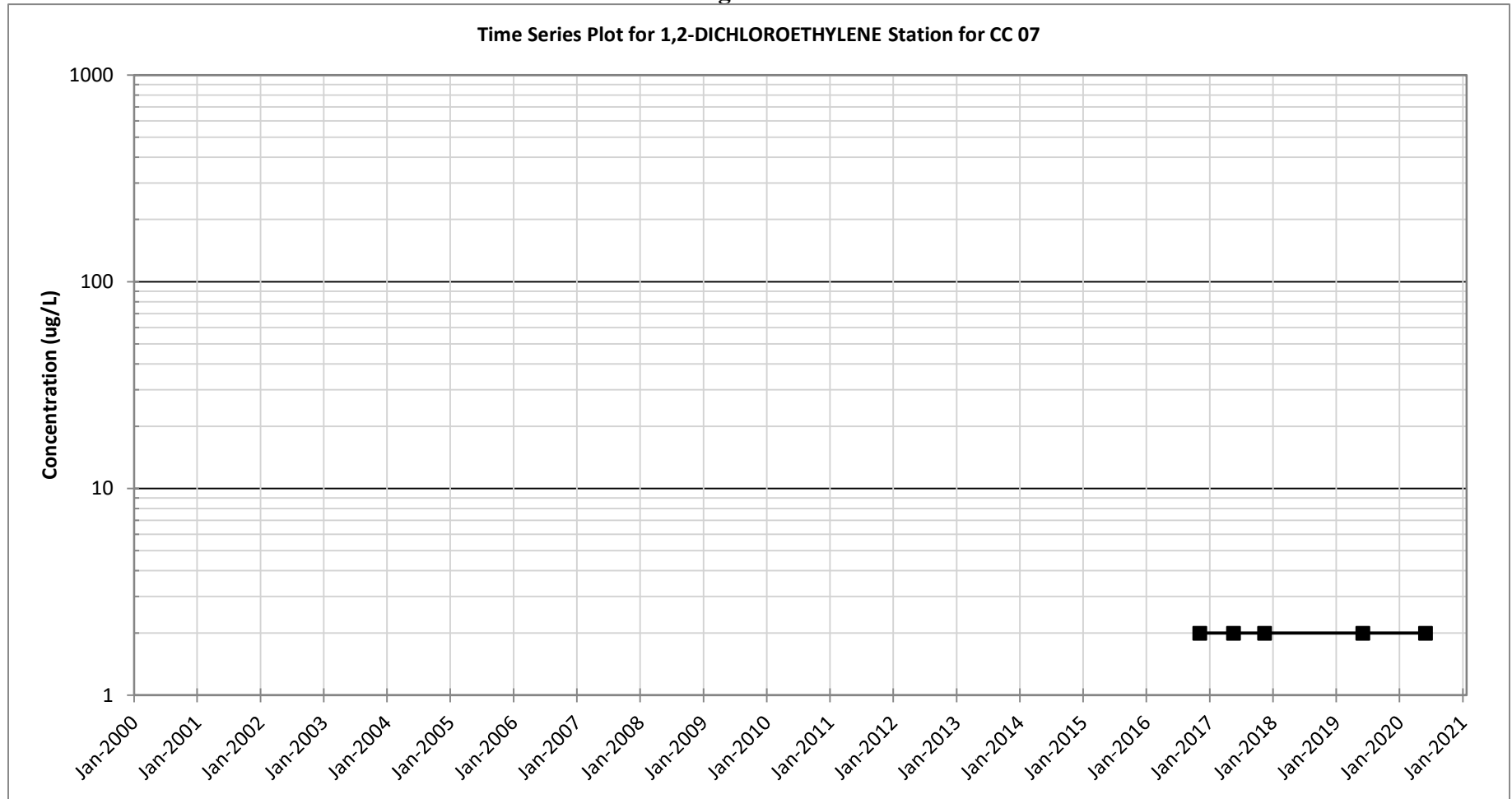


Figure C-3.

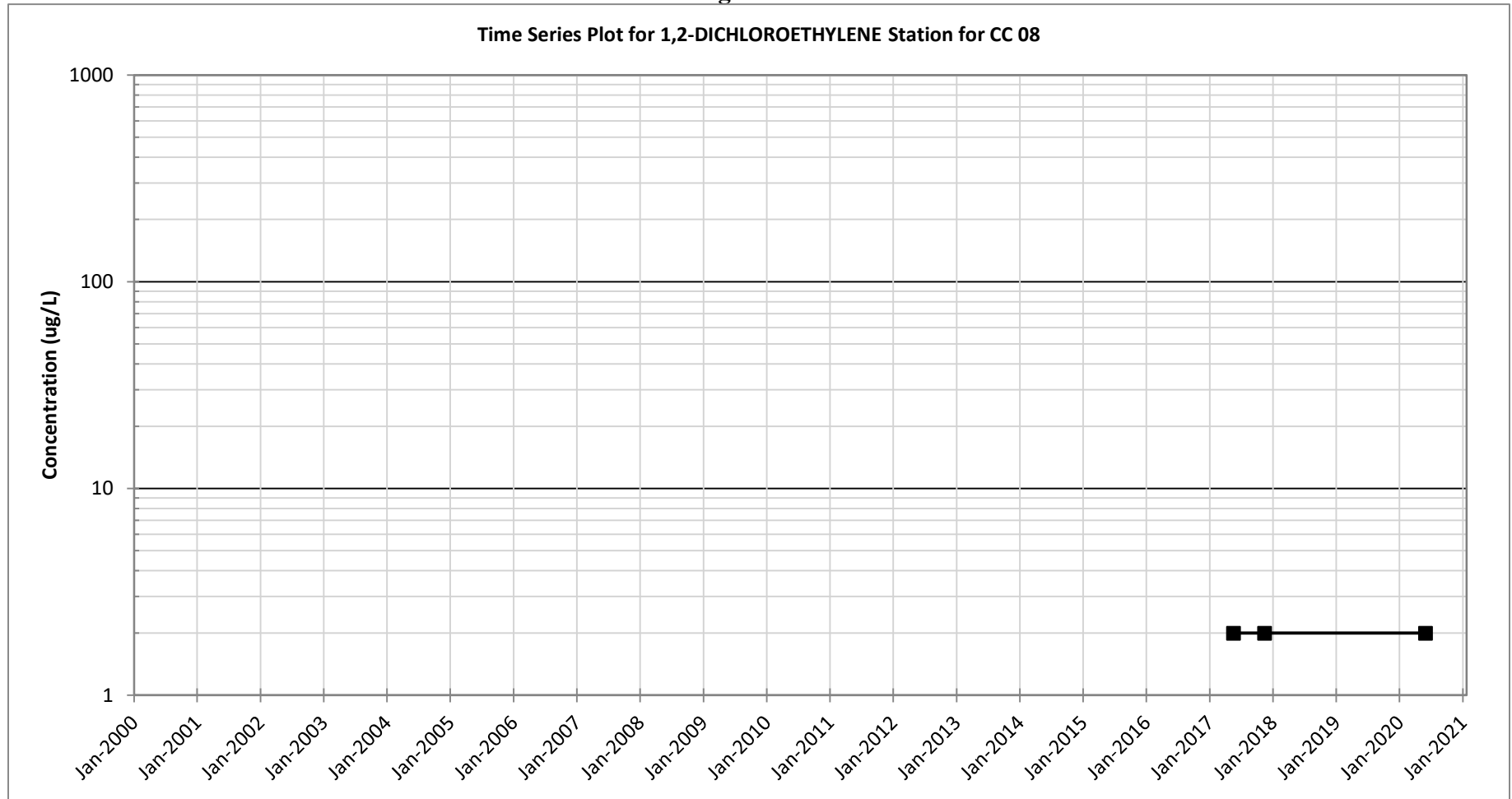


Figure C-4.

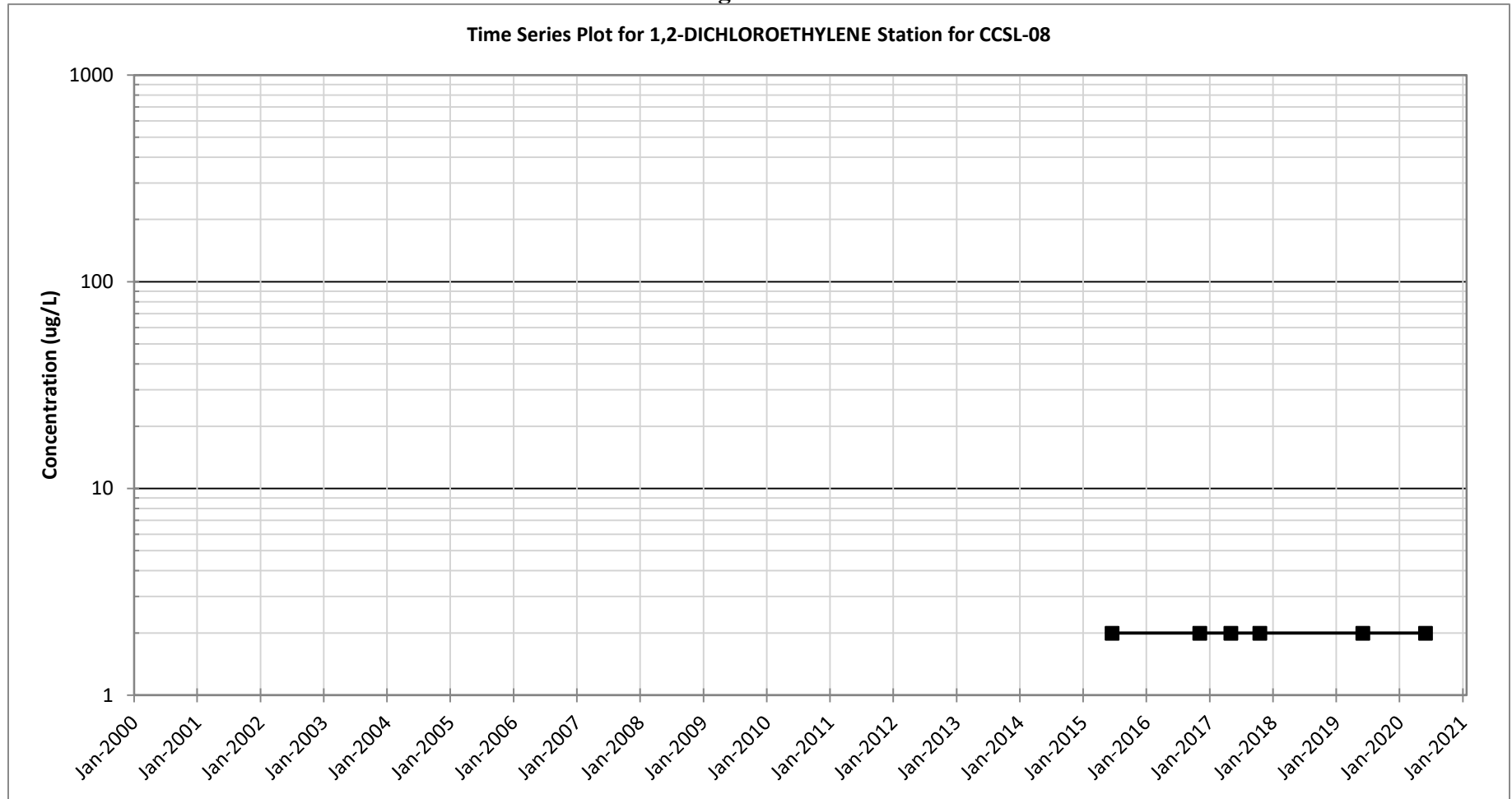


Figure C-5.

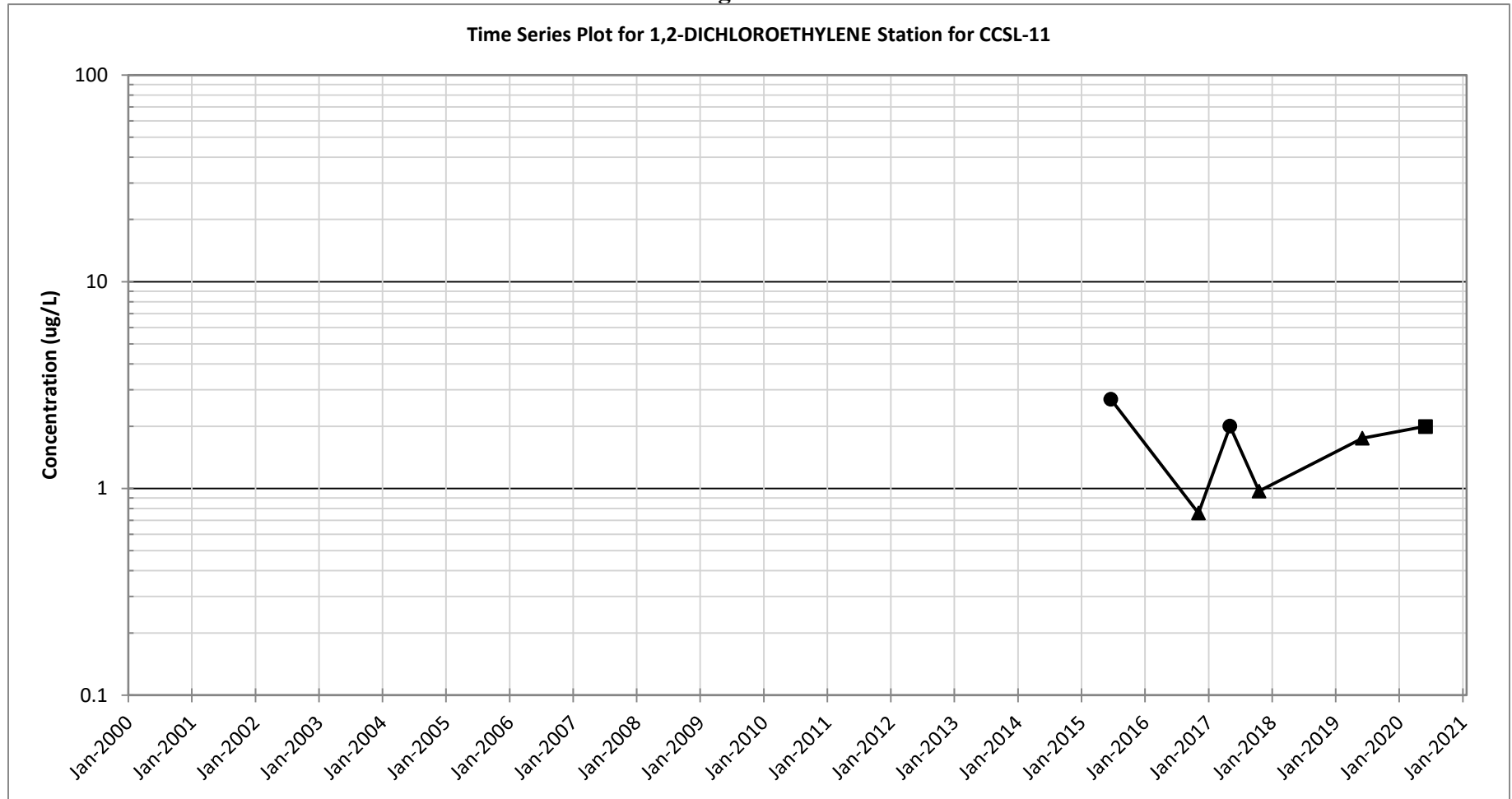


Figure C-6.

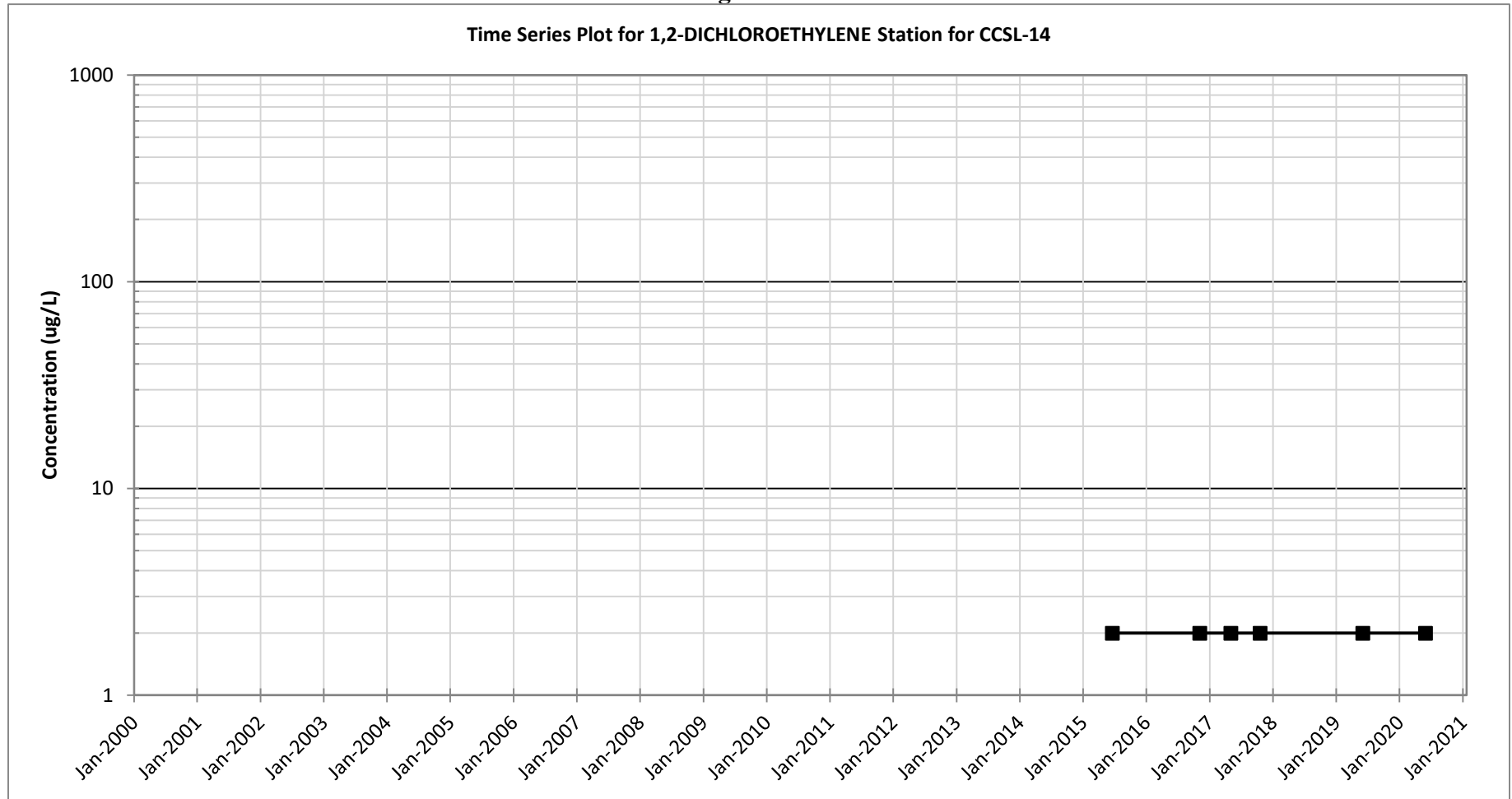


Figure C-7.

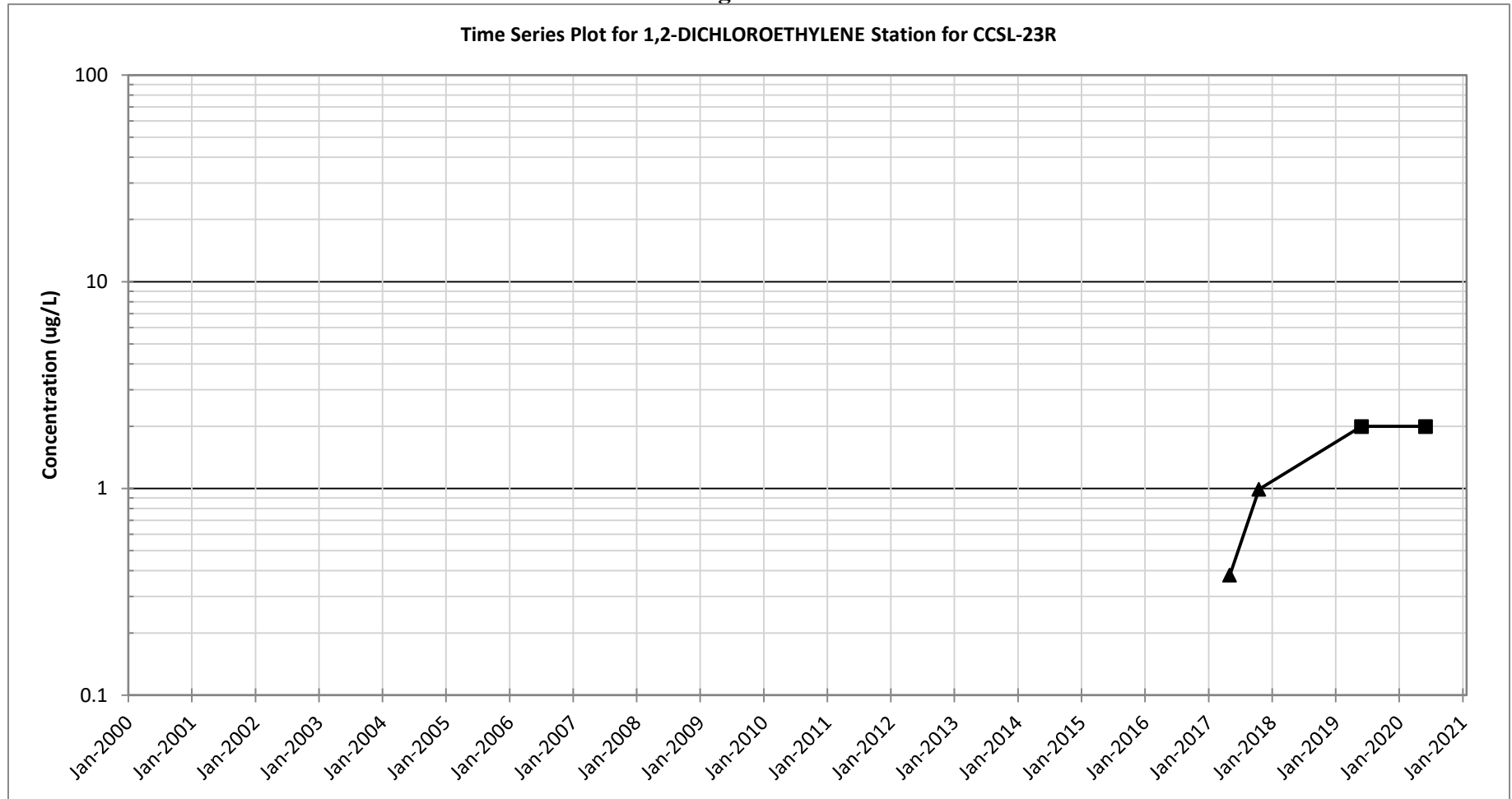


Figure C-8.

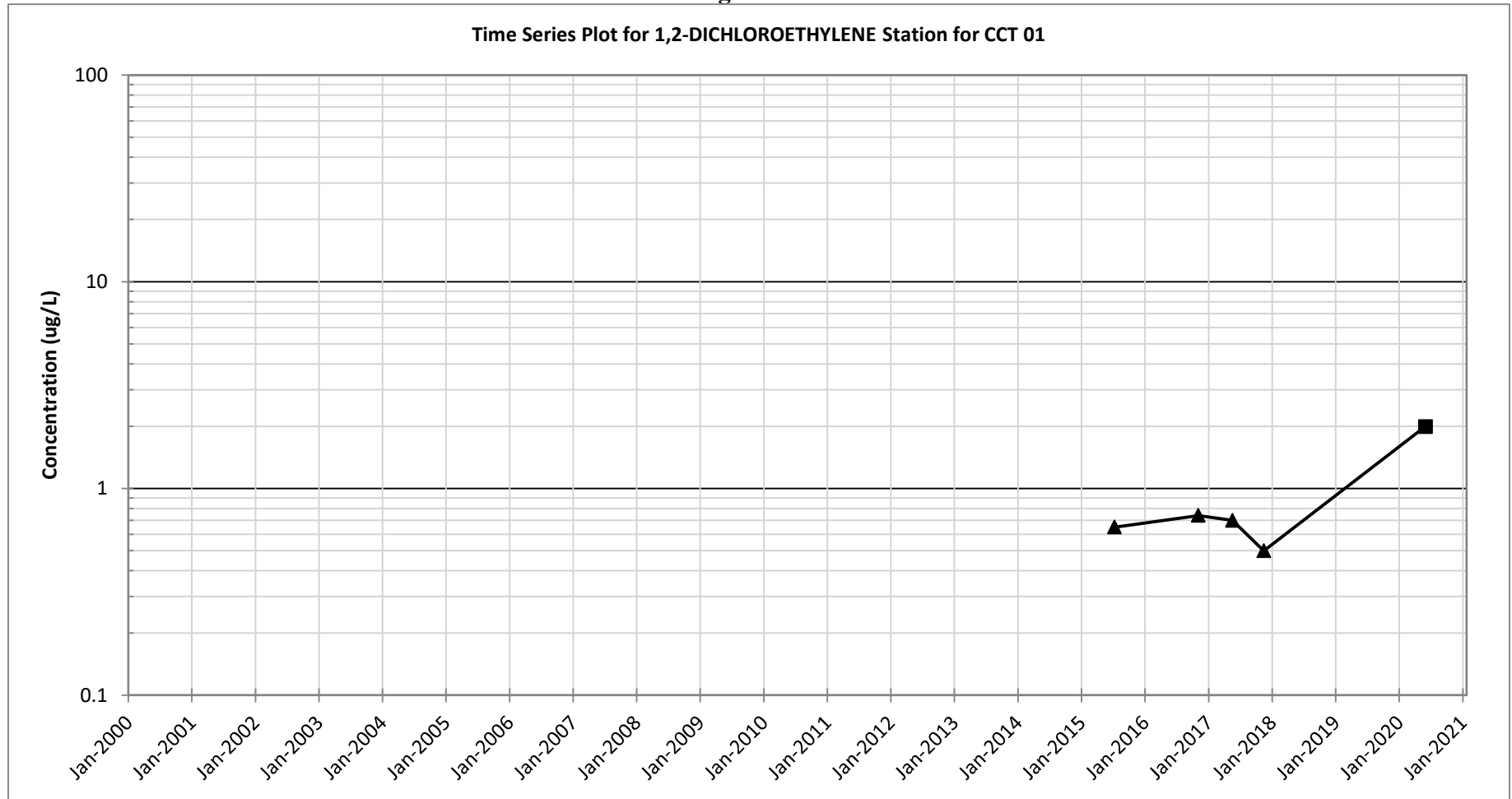


Figure C-9.

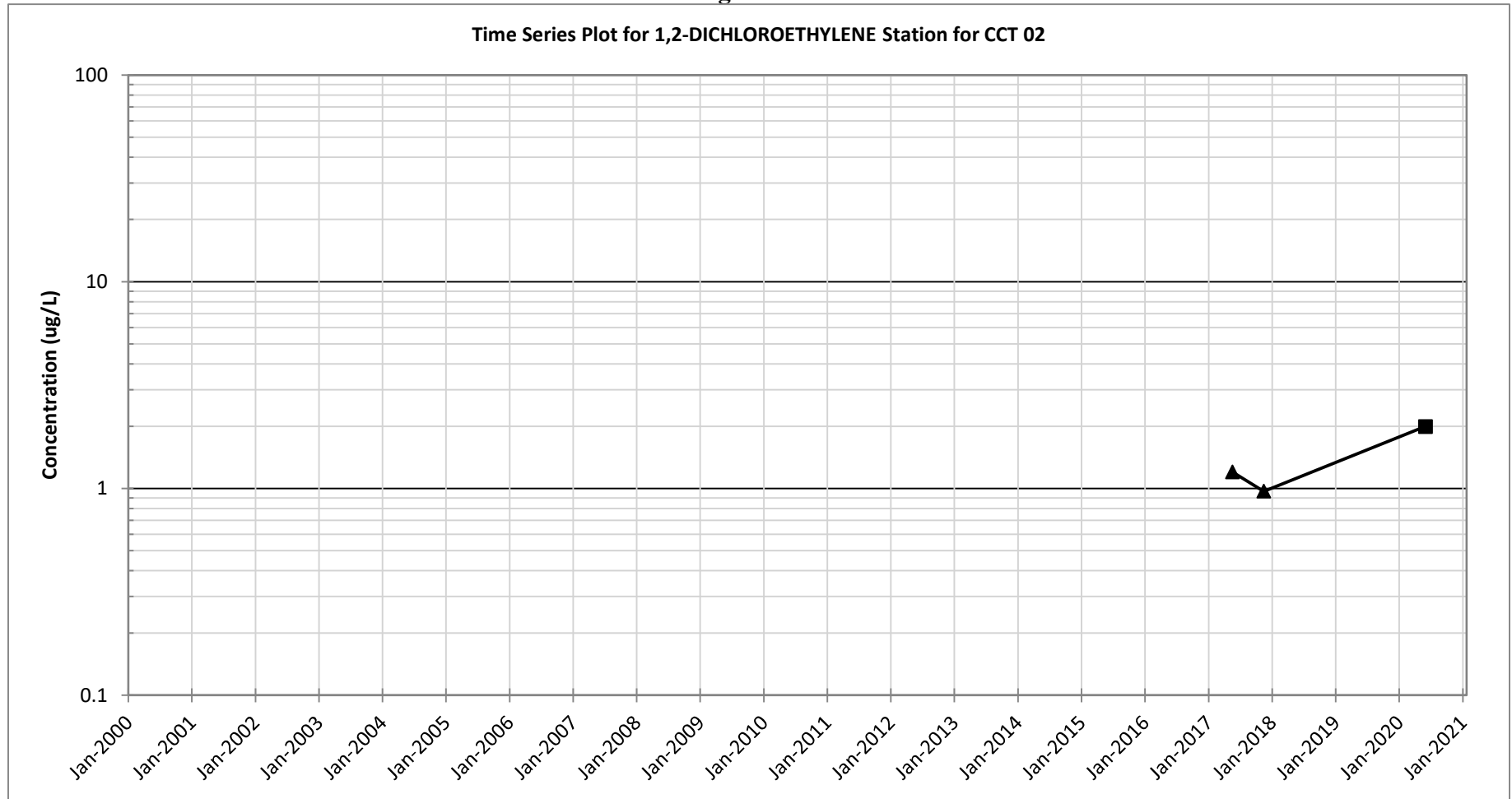


Figure C-10.

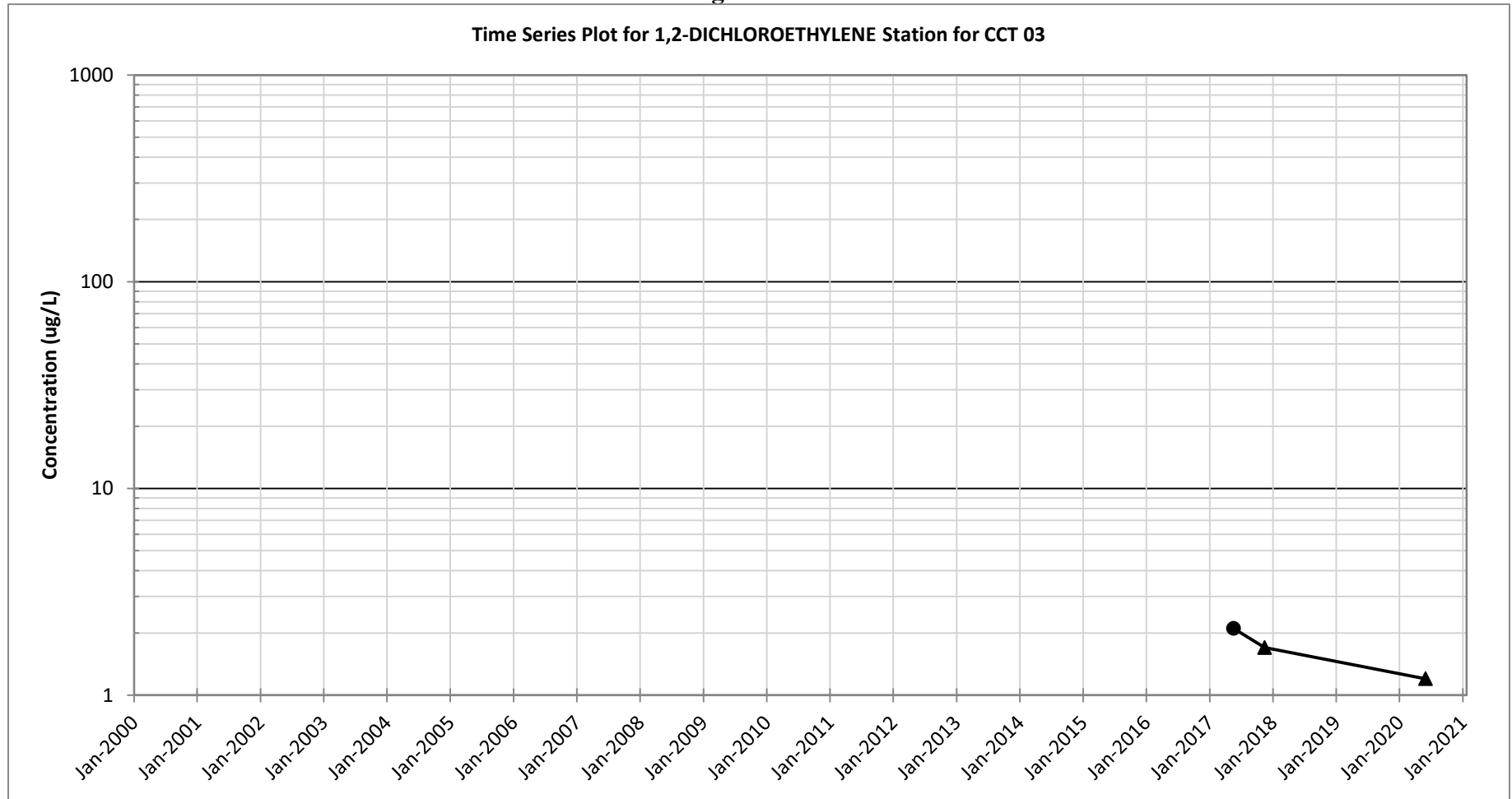


Figure C-11.

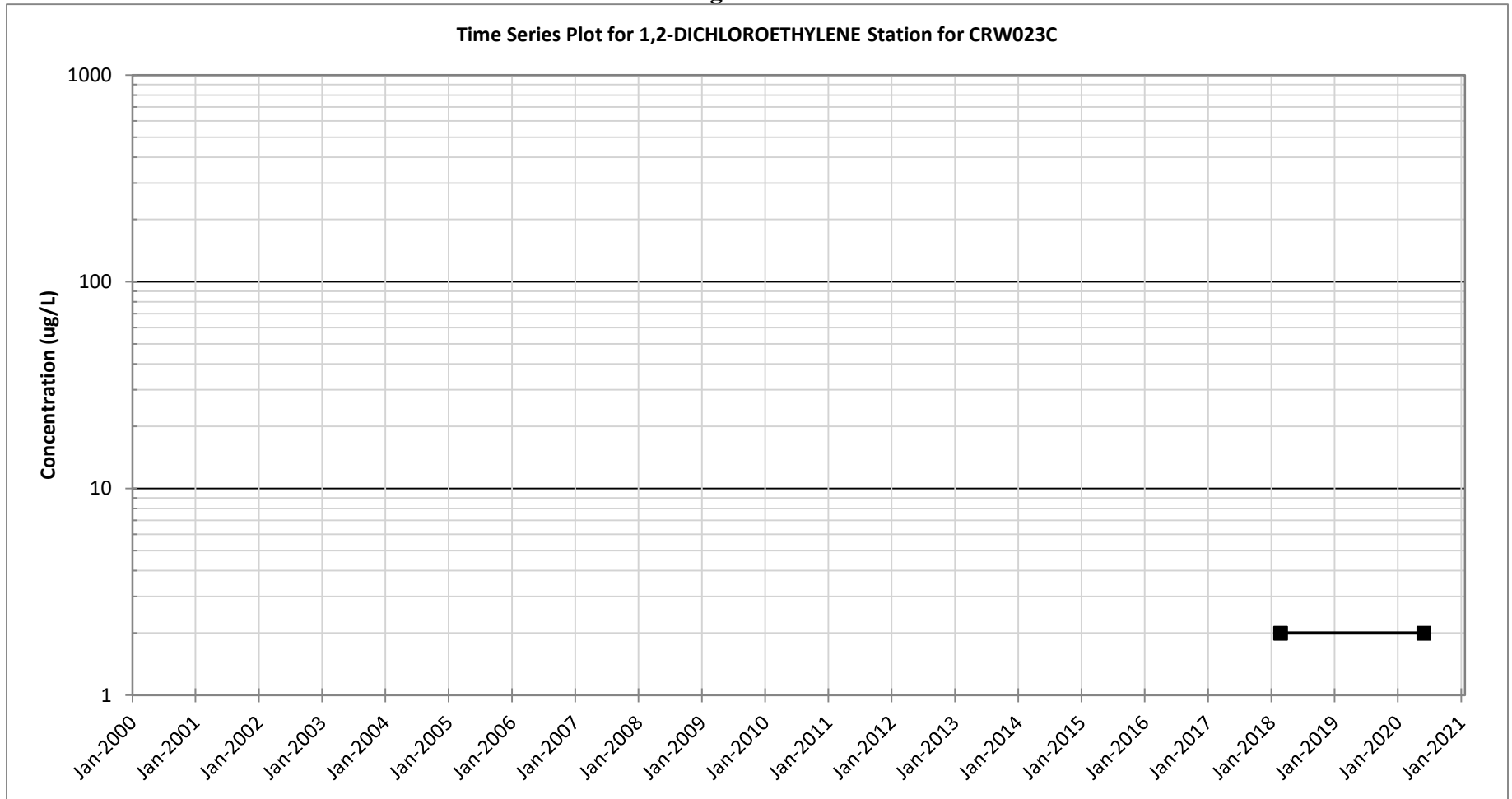


Figure C-12.

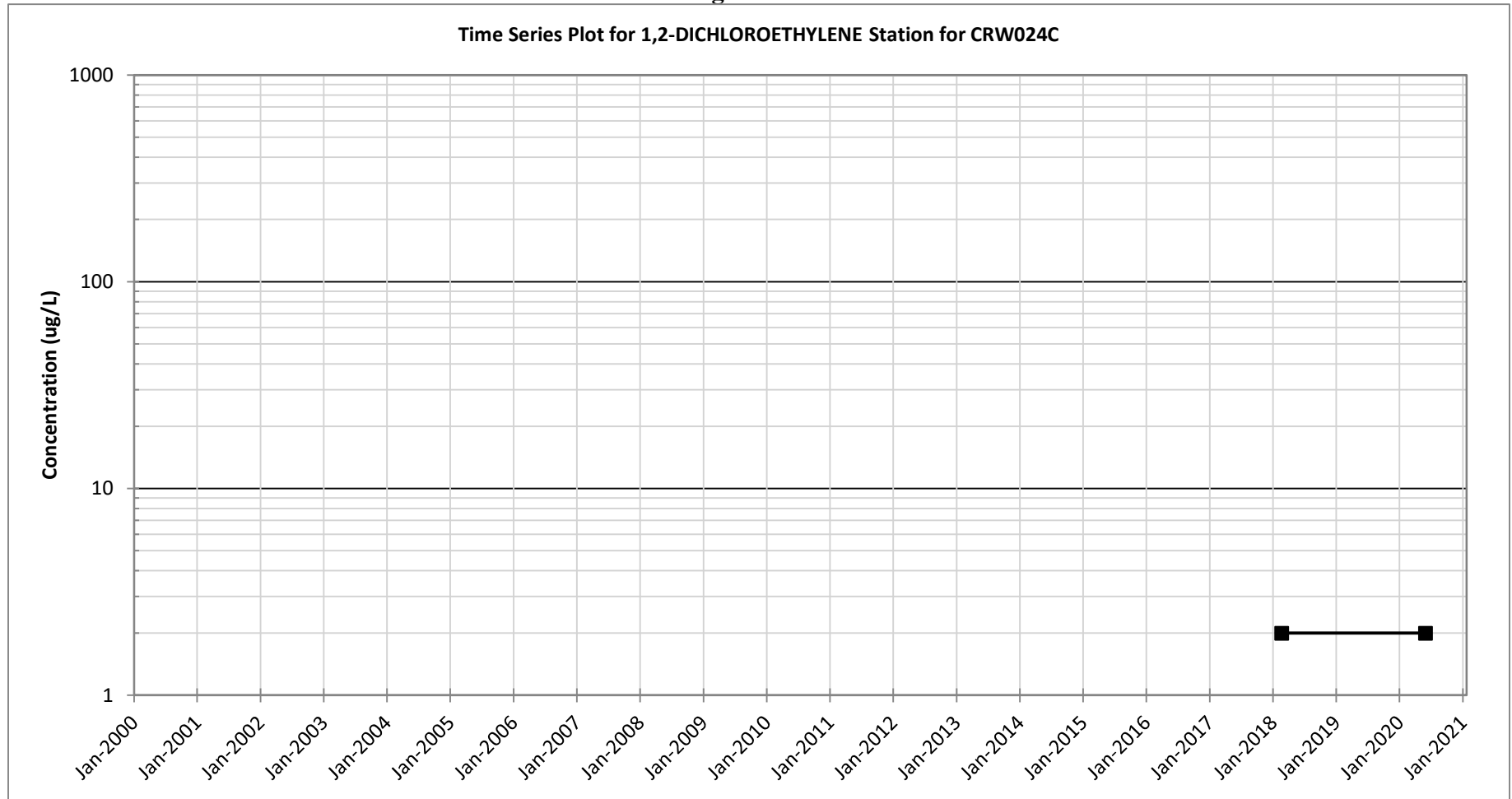


Figure C-13.

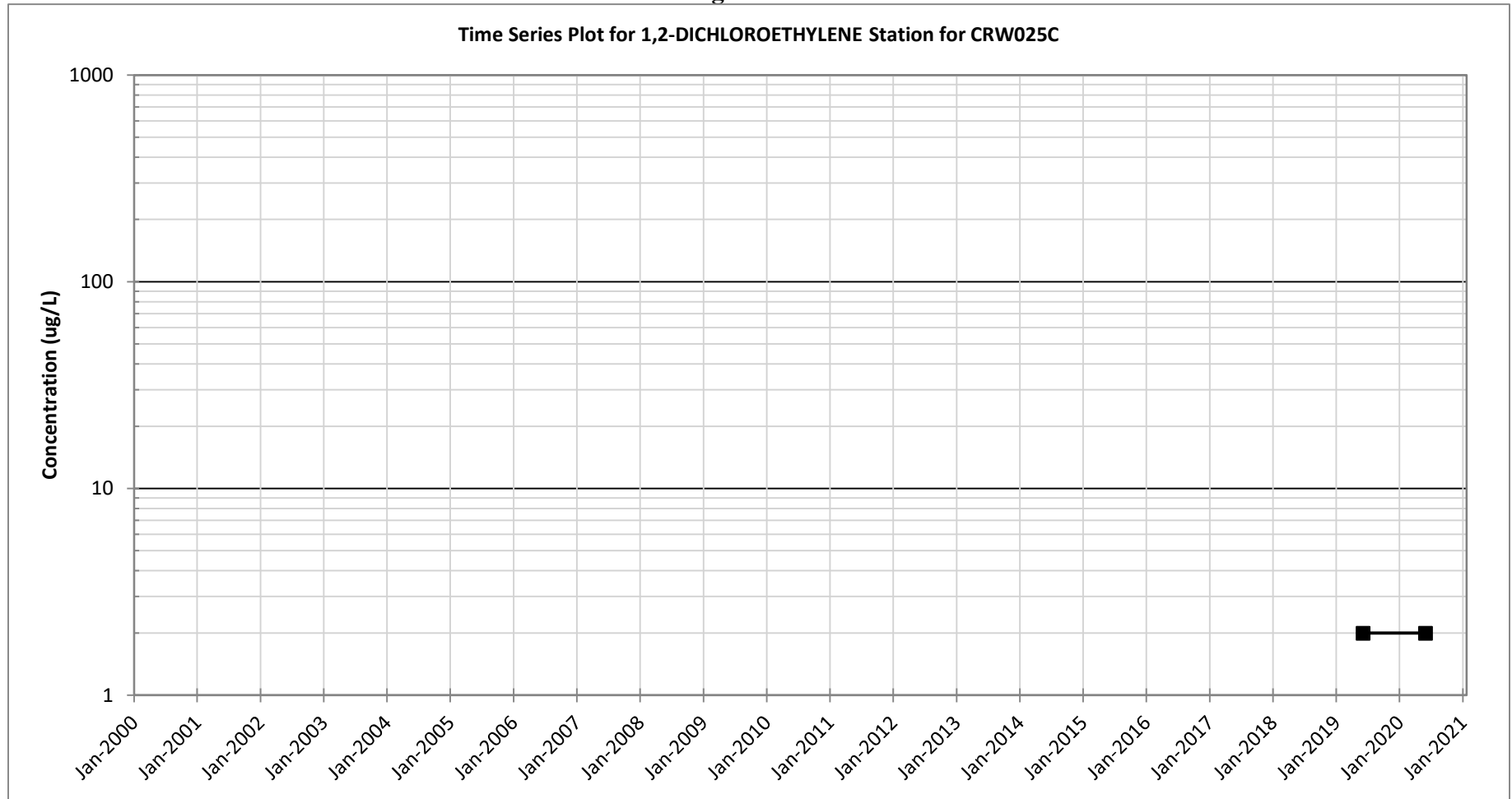


Figure C-14.

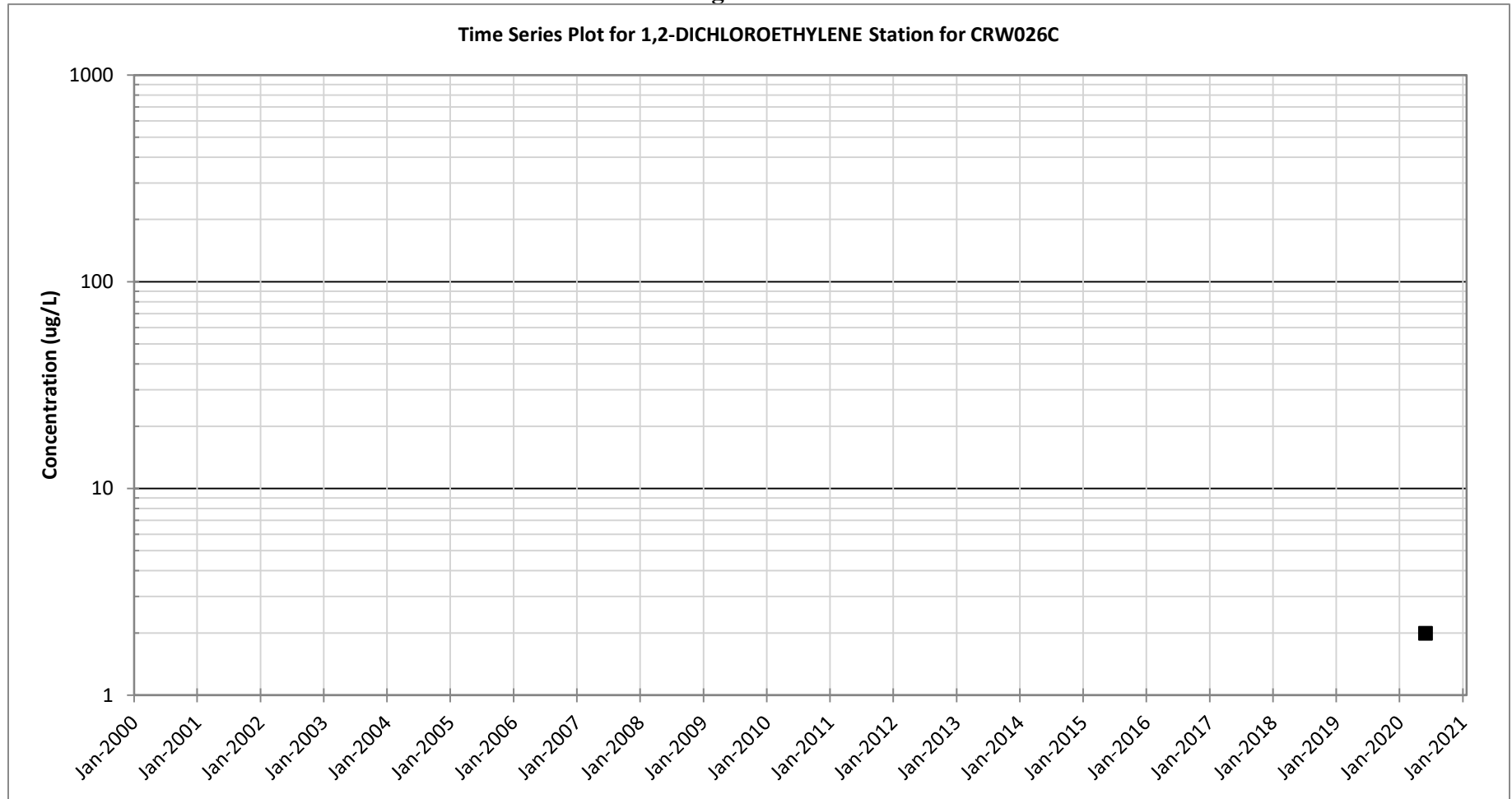


Figure C-15.

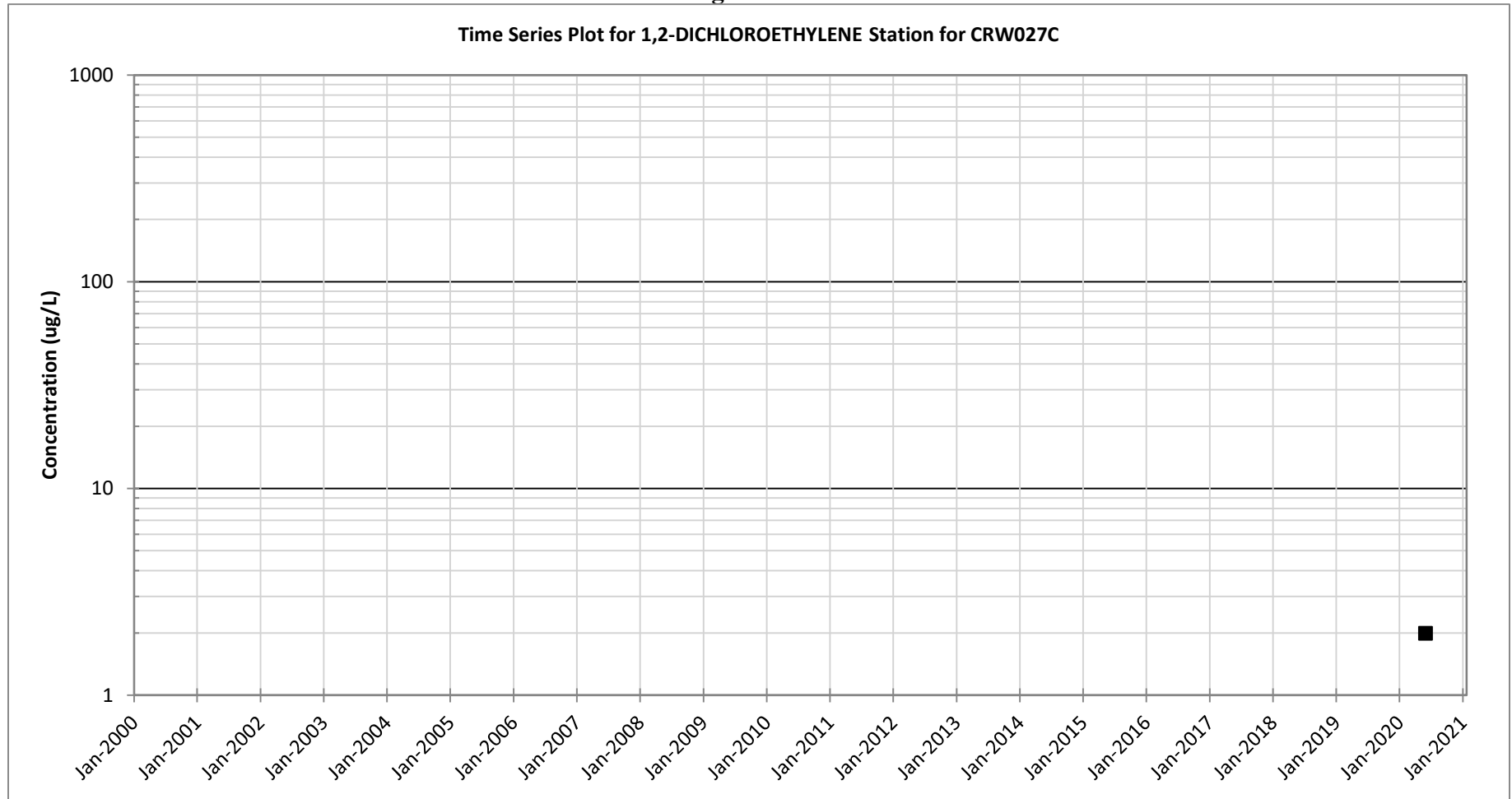


Figure C-16.

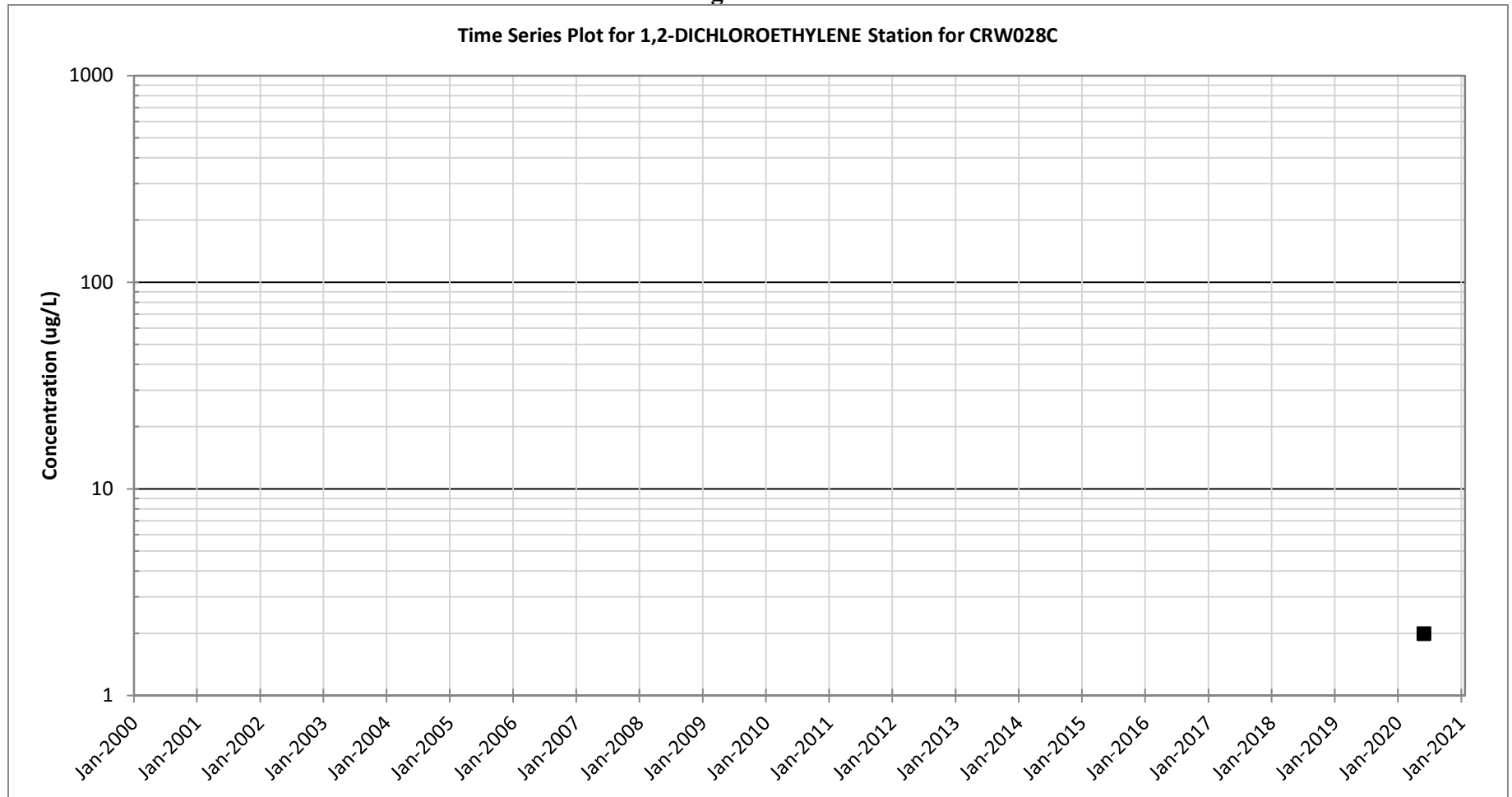


Figure C-17.

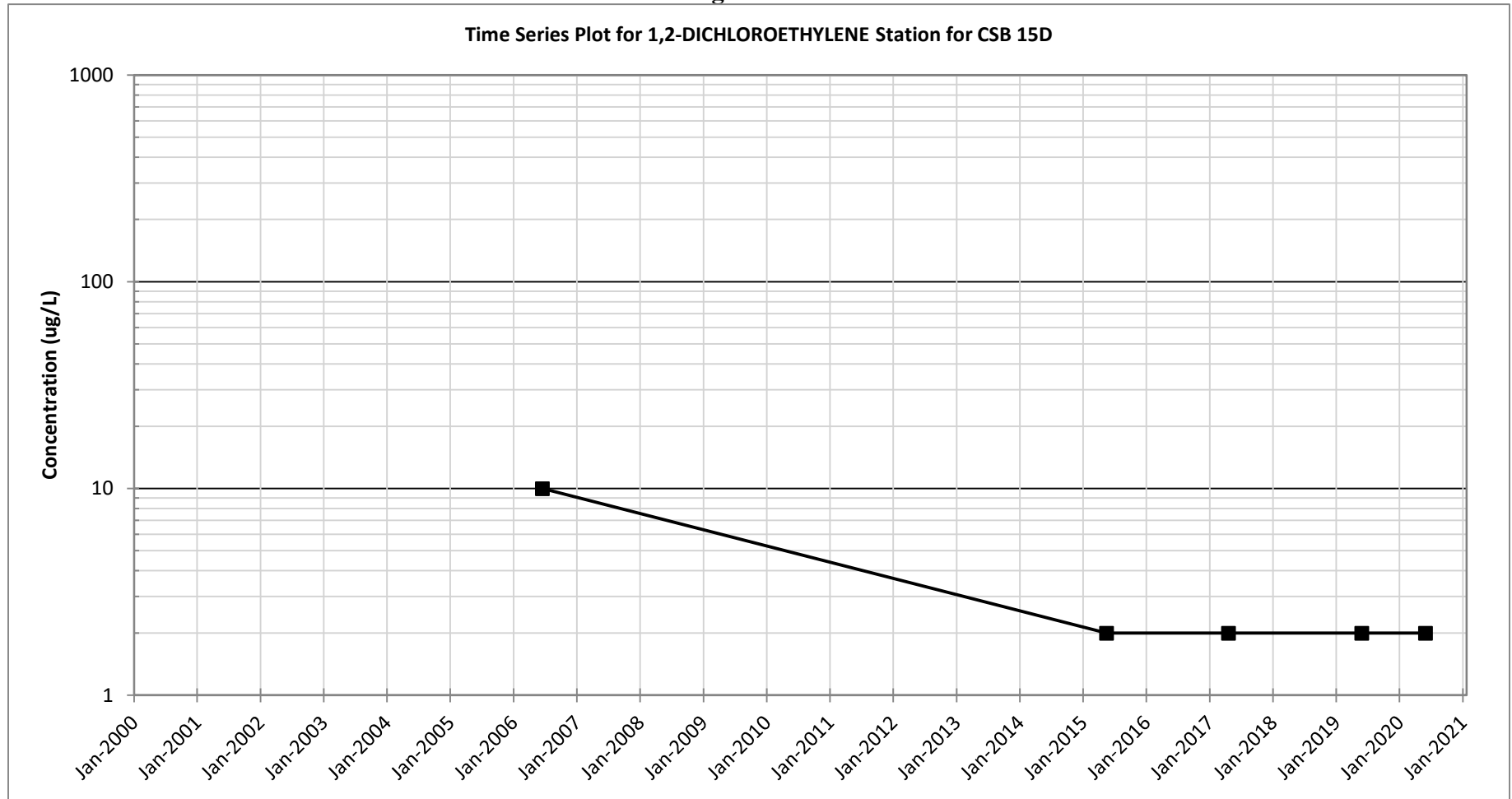


Figure C-18.

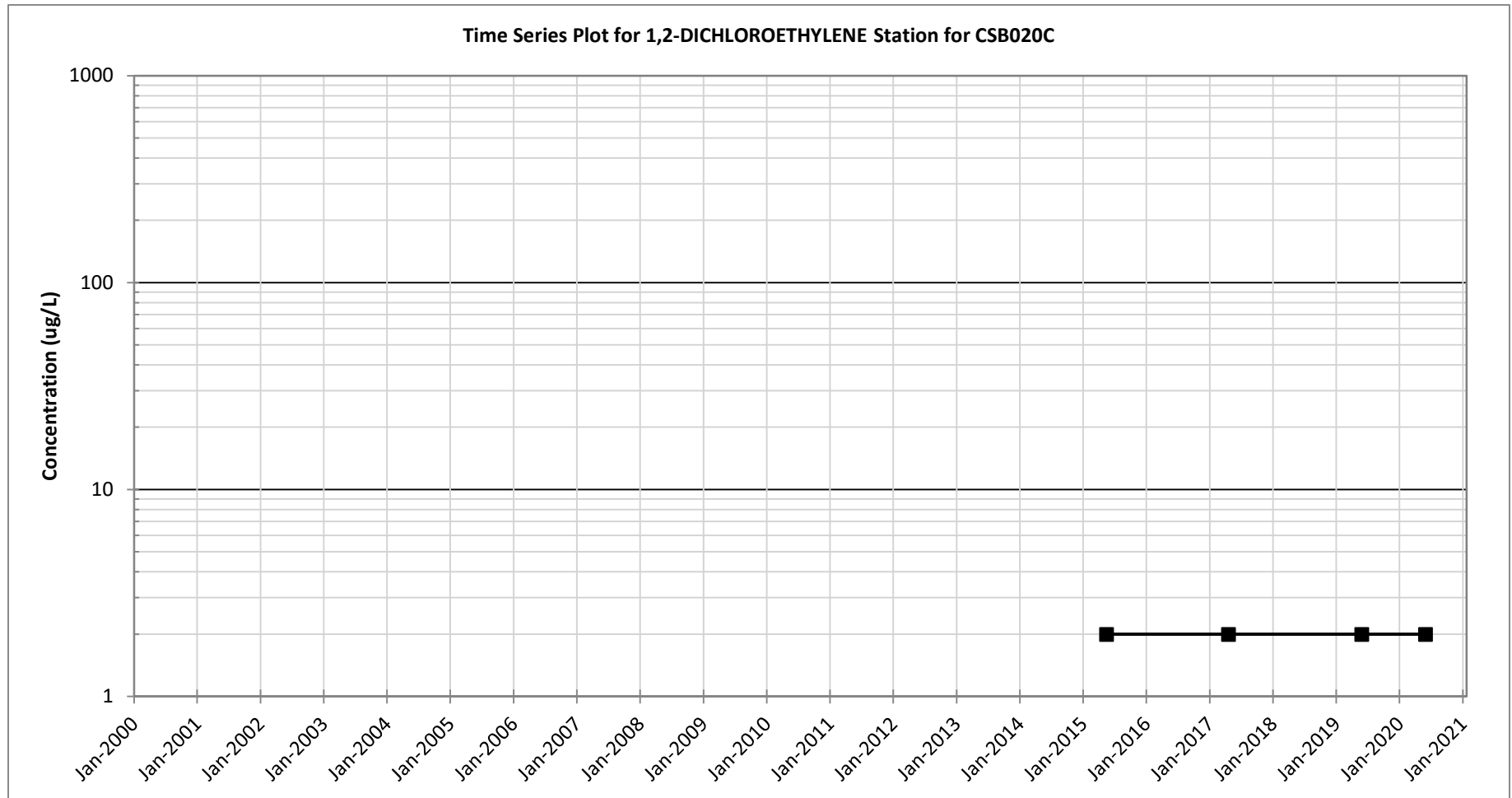


Figure C-19.

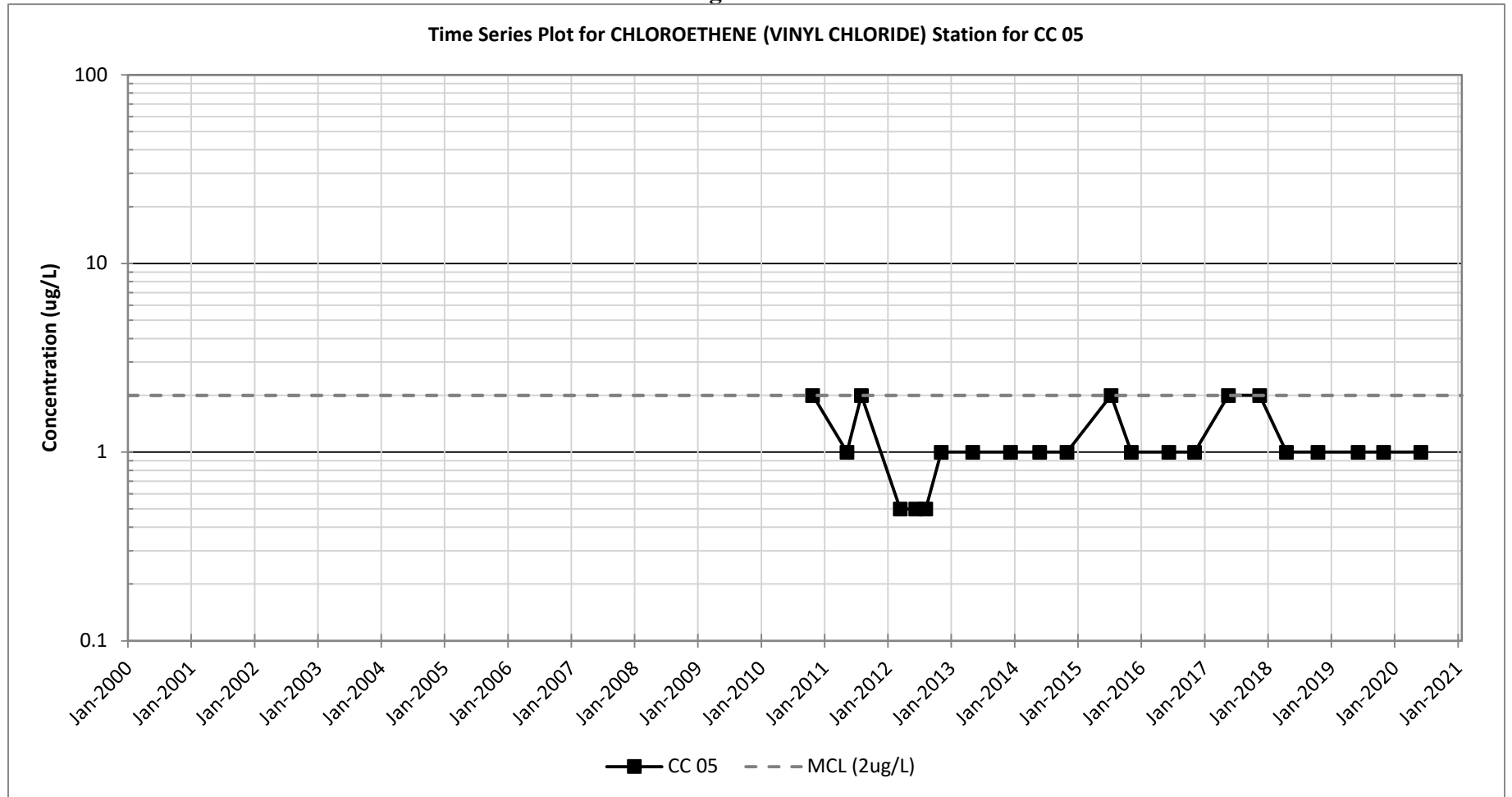


Figure C-20.

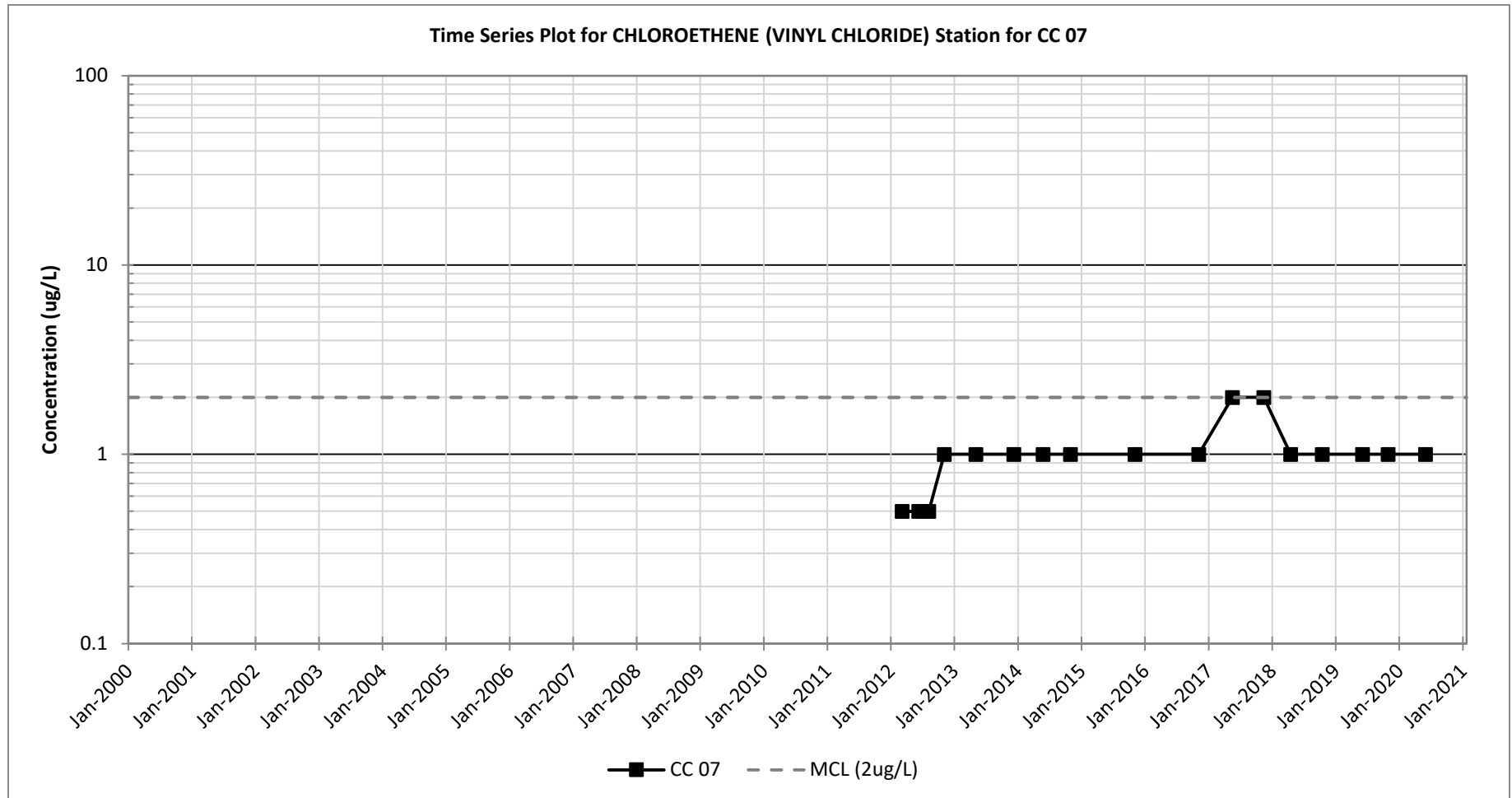


Figure C-21.

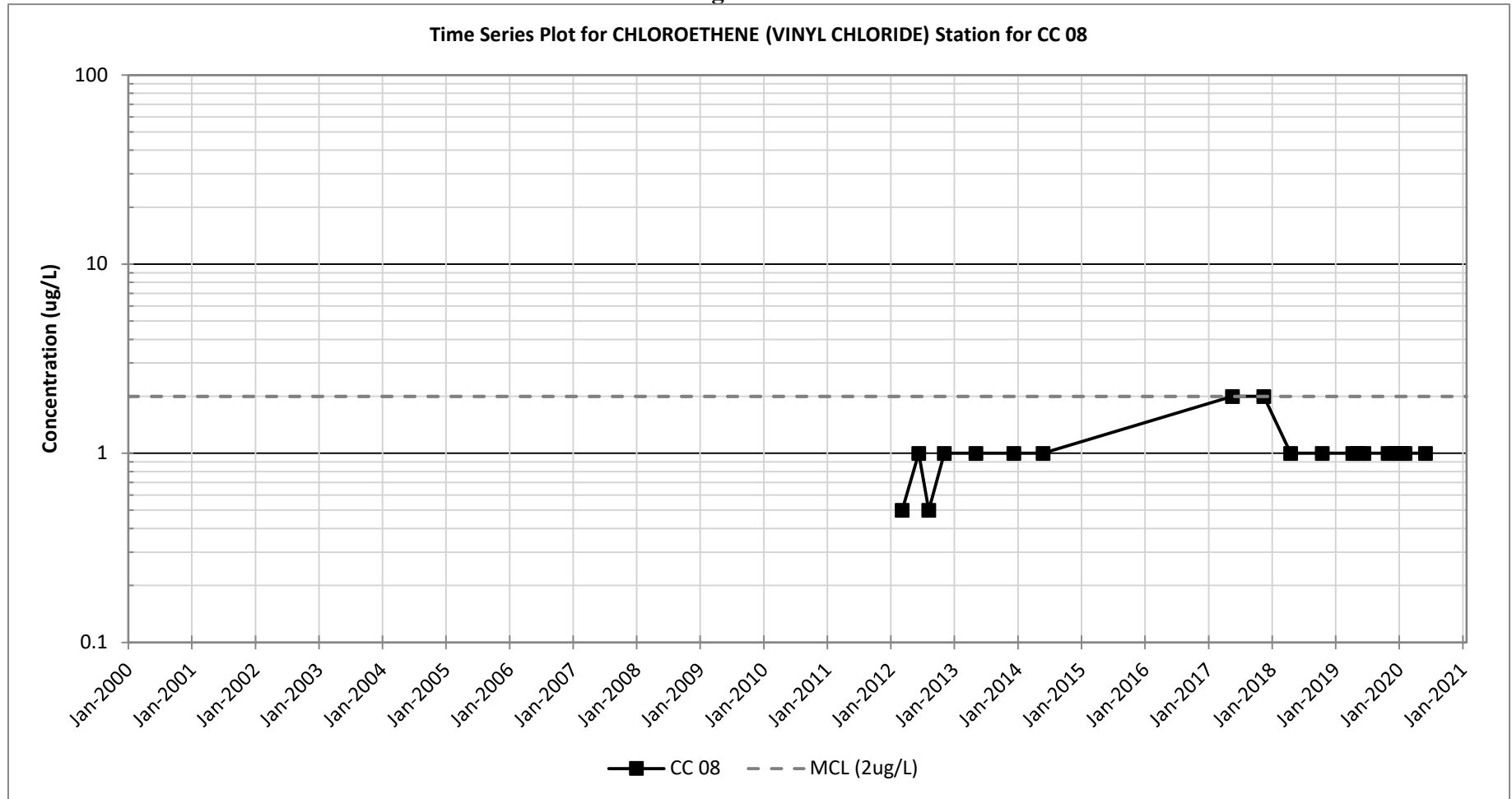


Figure C-22.

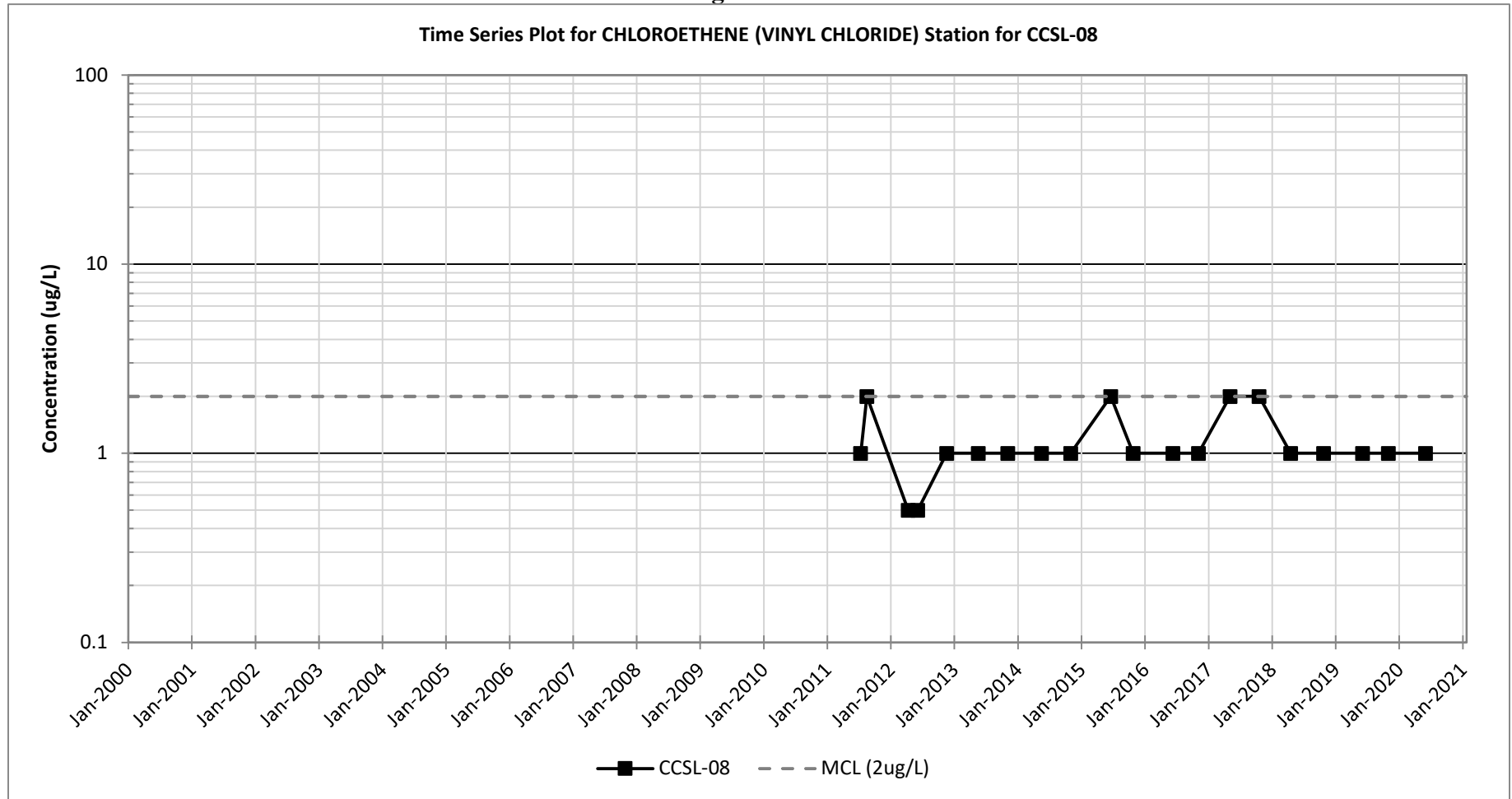


Figure C-23.

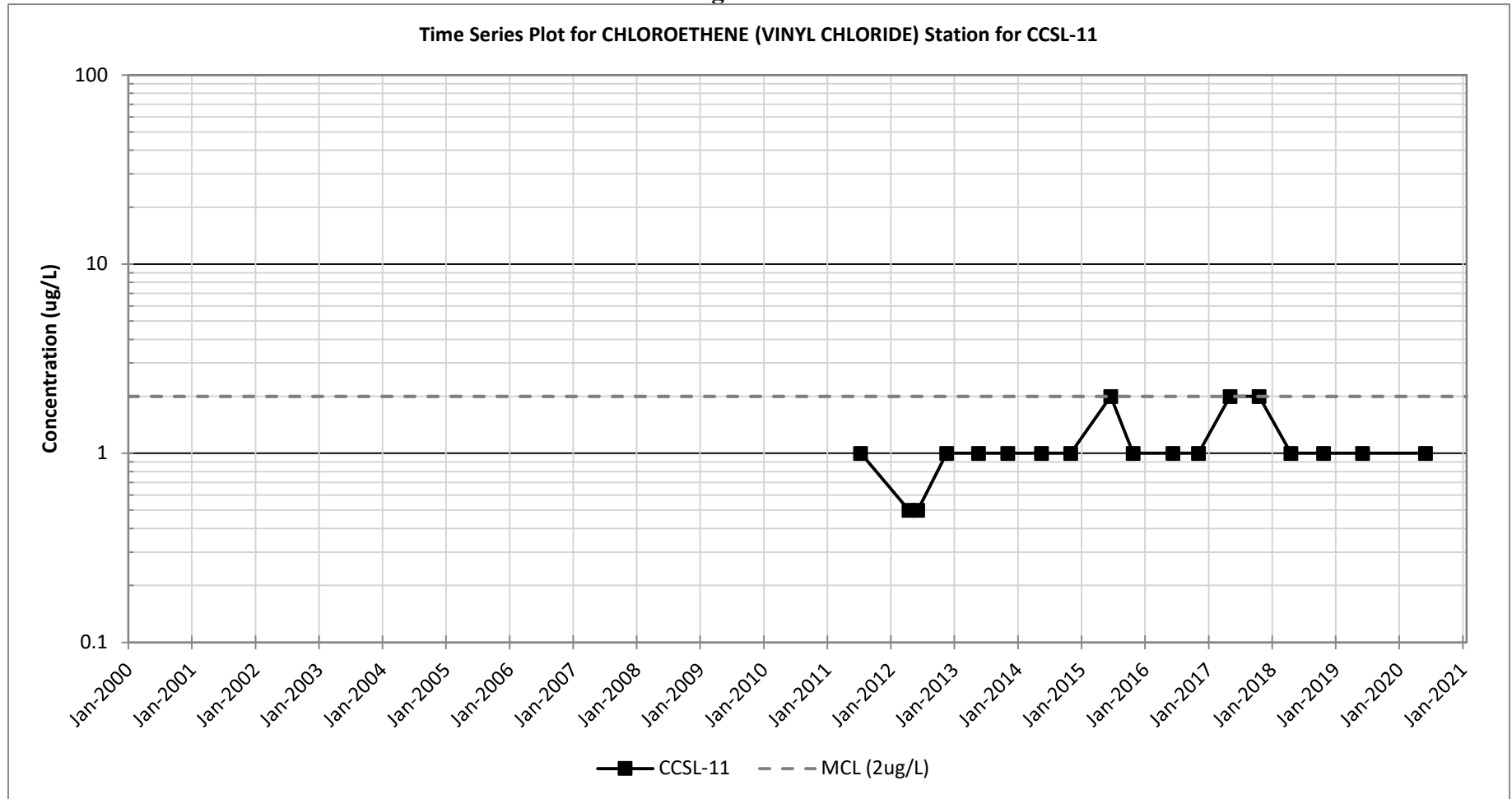


Figure C-24.

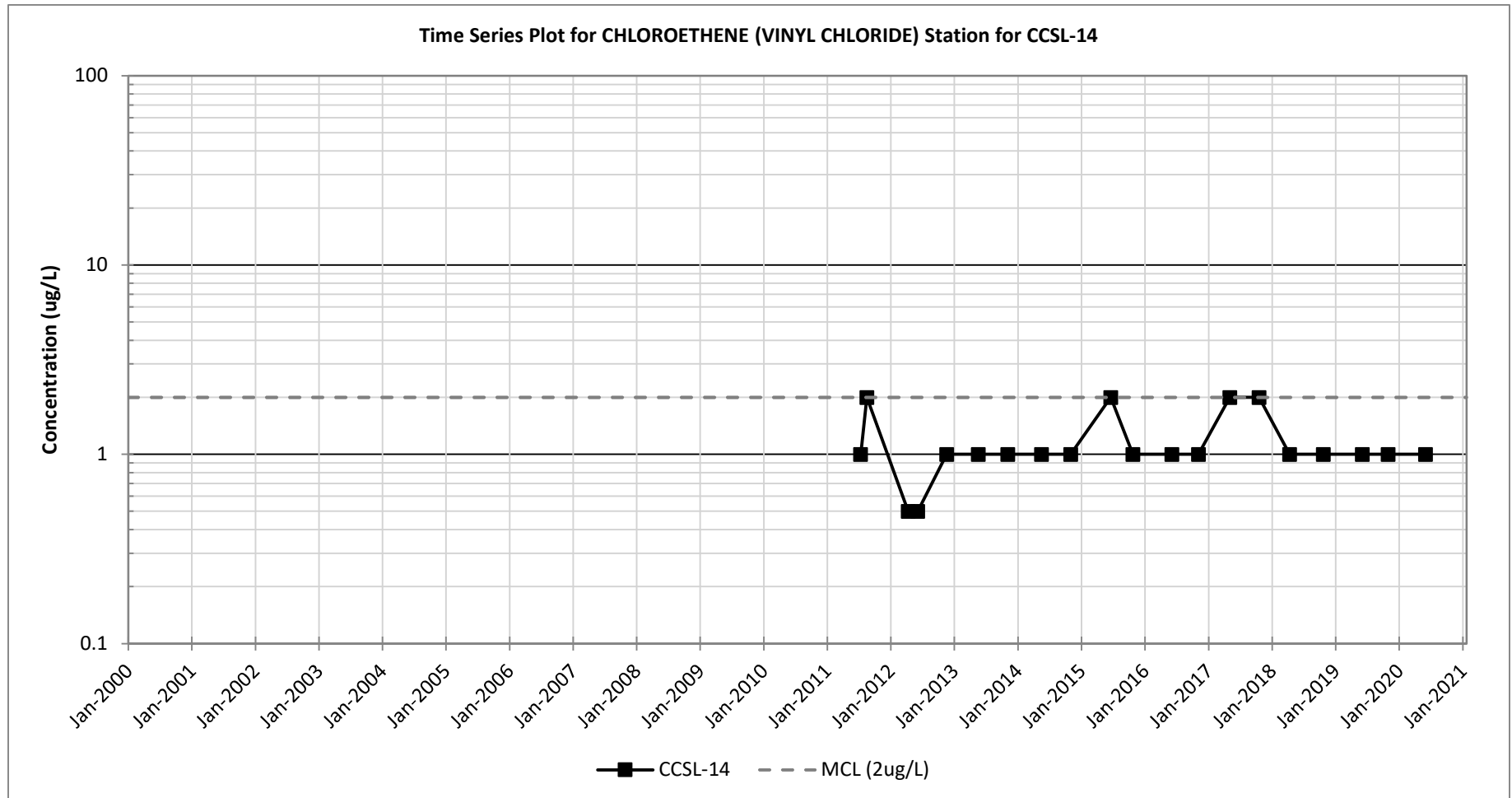


Figure C-25.

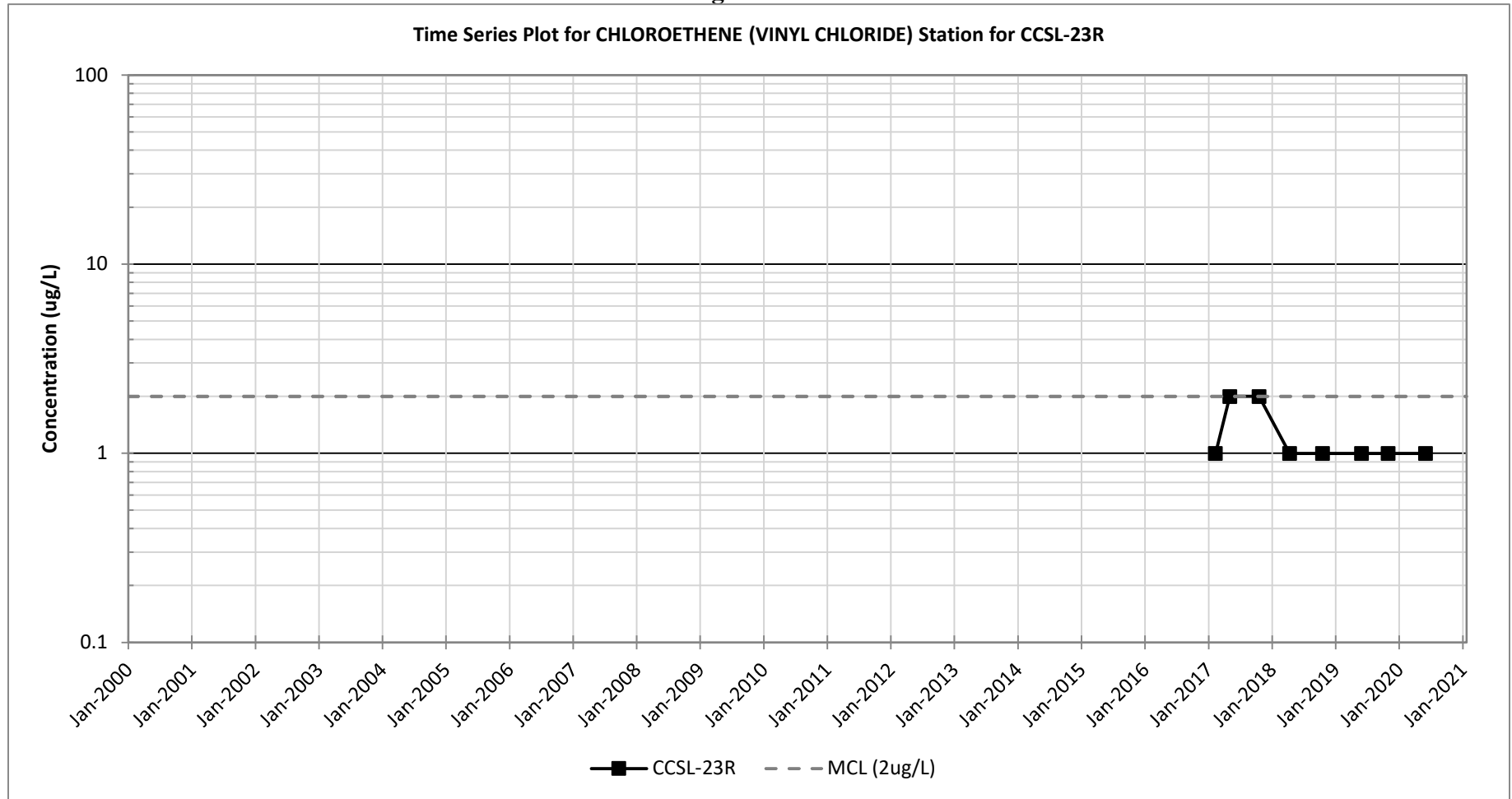


Figure C-26.

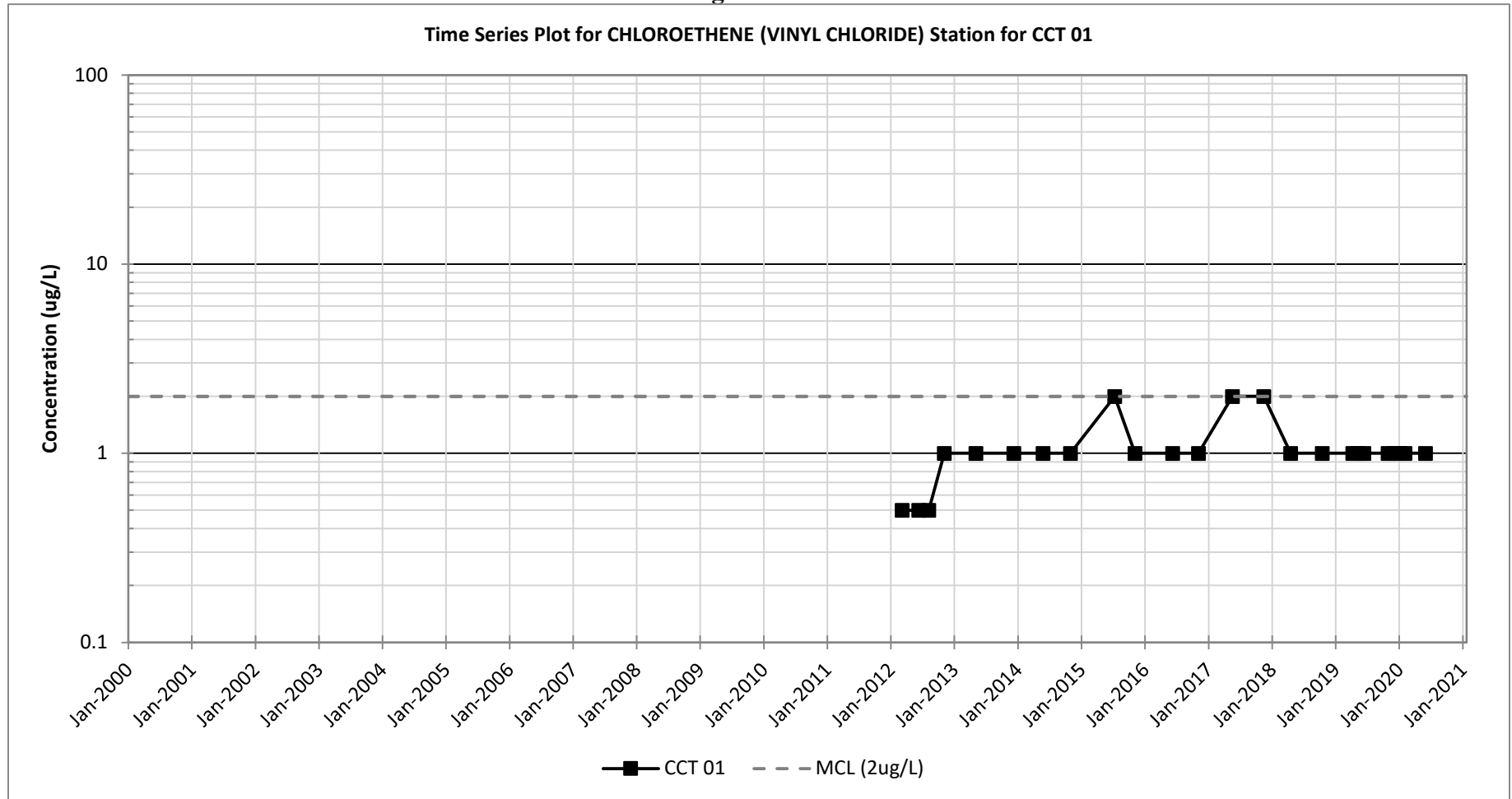


Figure C-27.

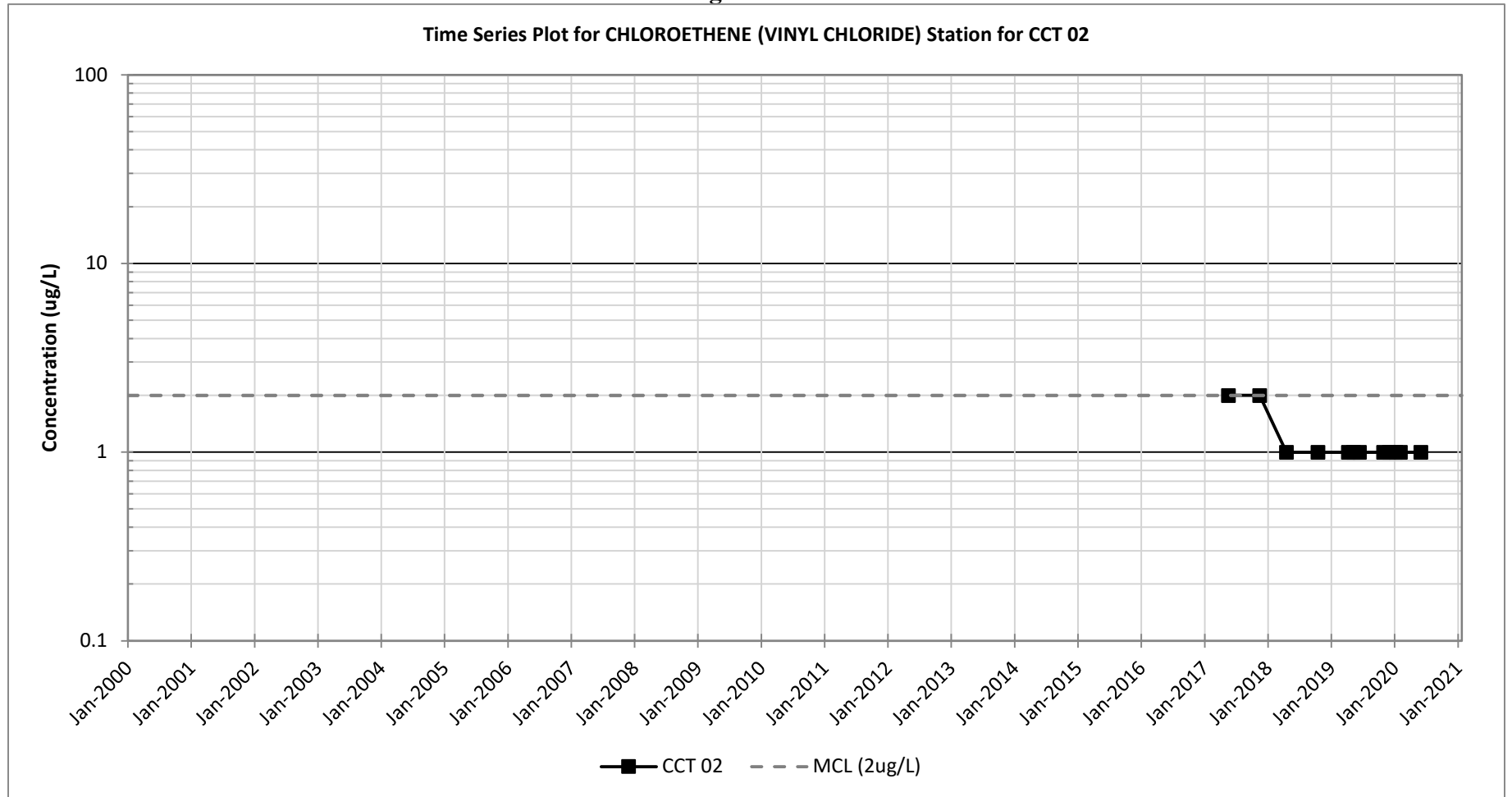


Figure C-28.

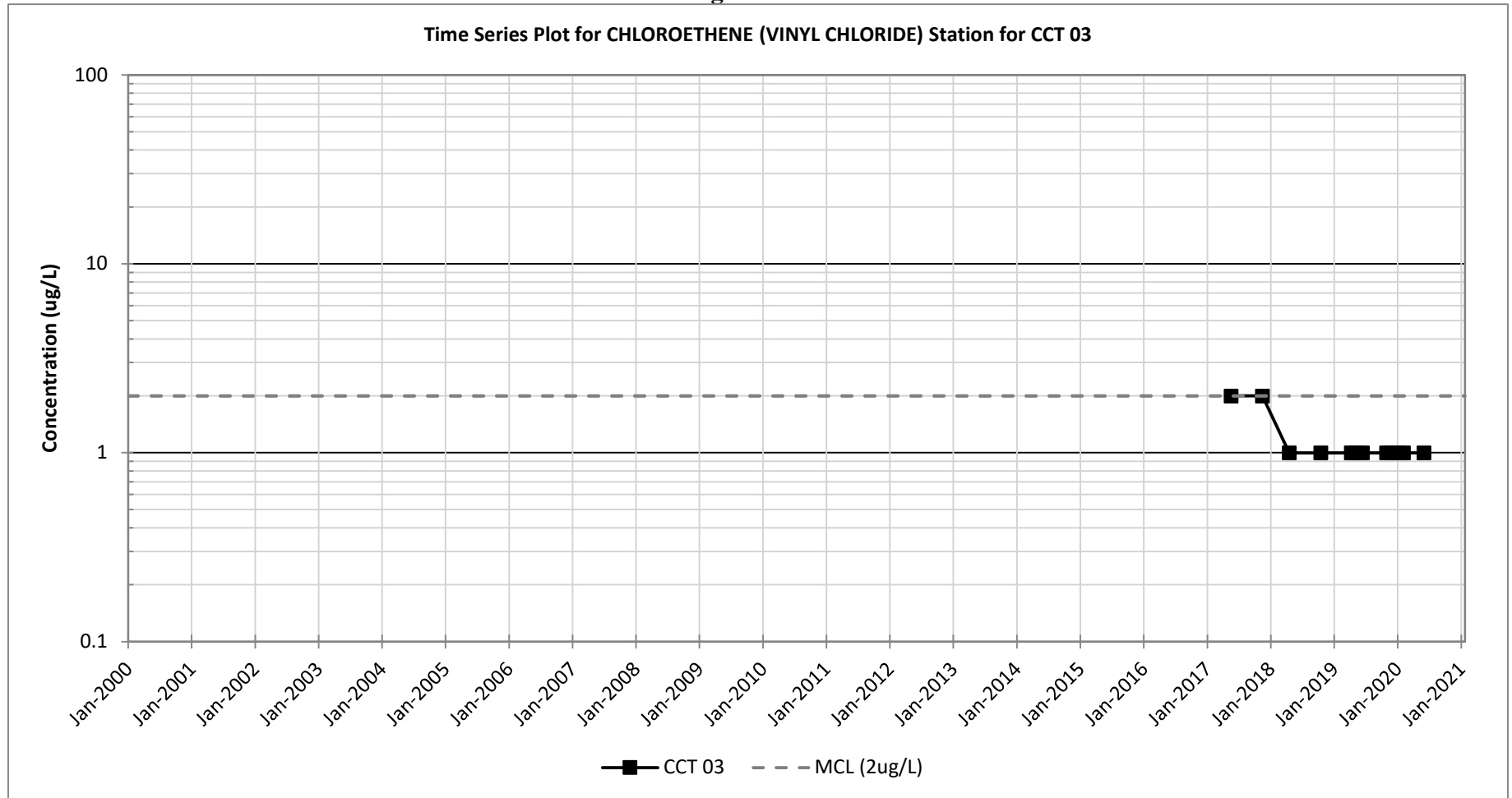


Figure C-29.

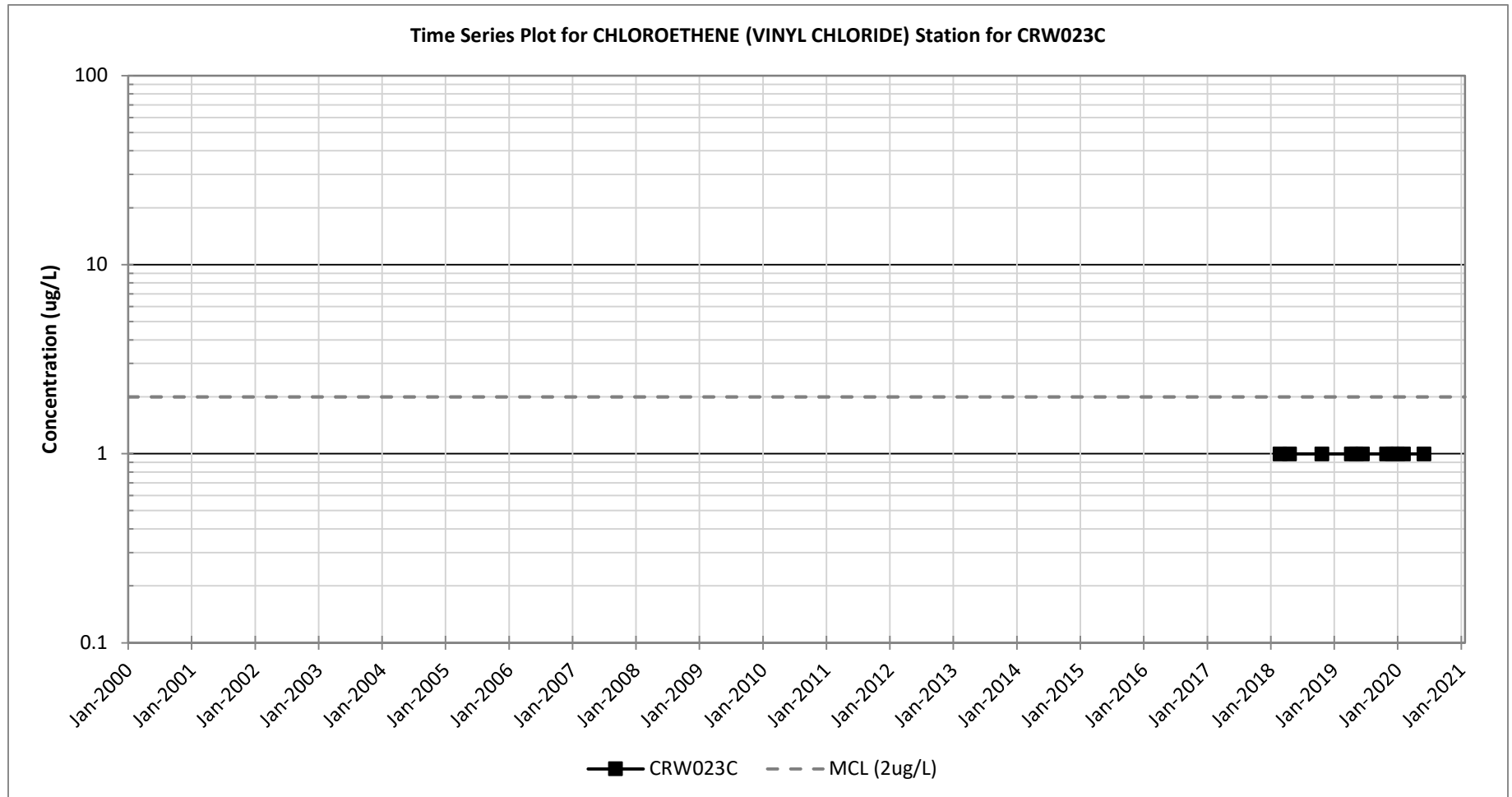


Figure C-30.

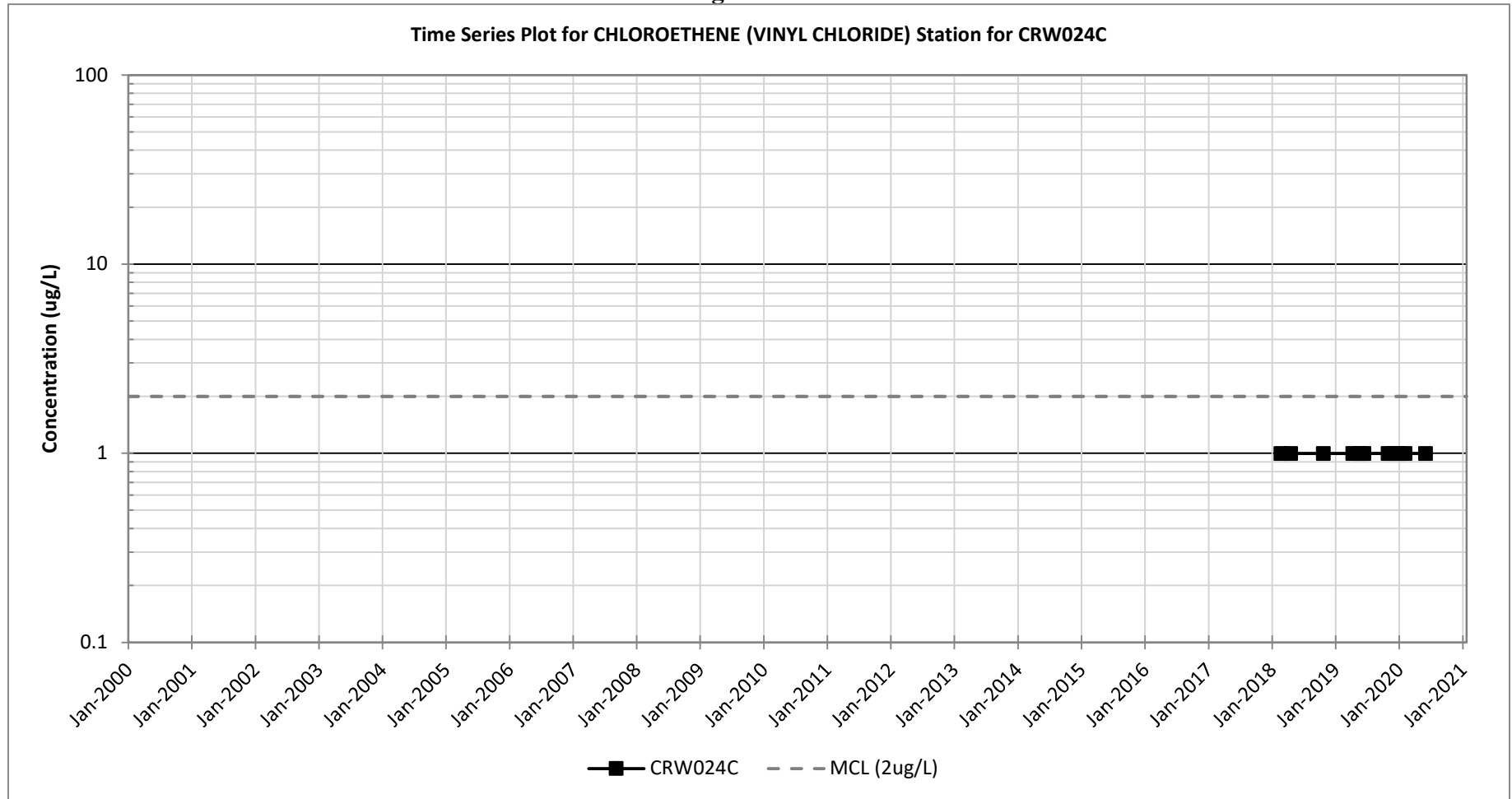


Figure C-31.

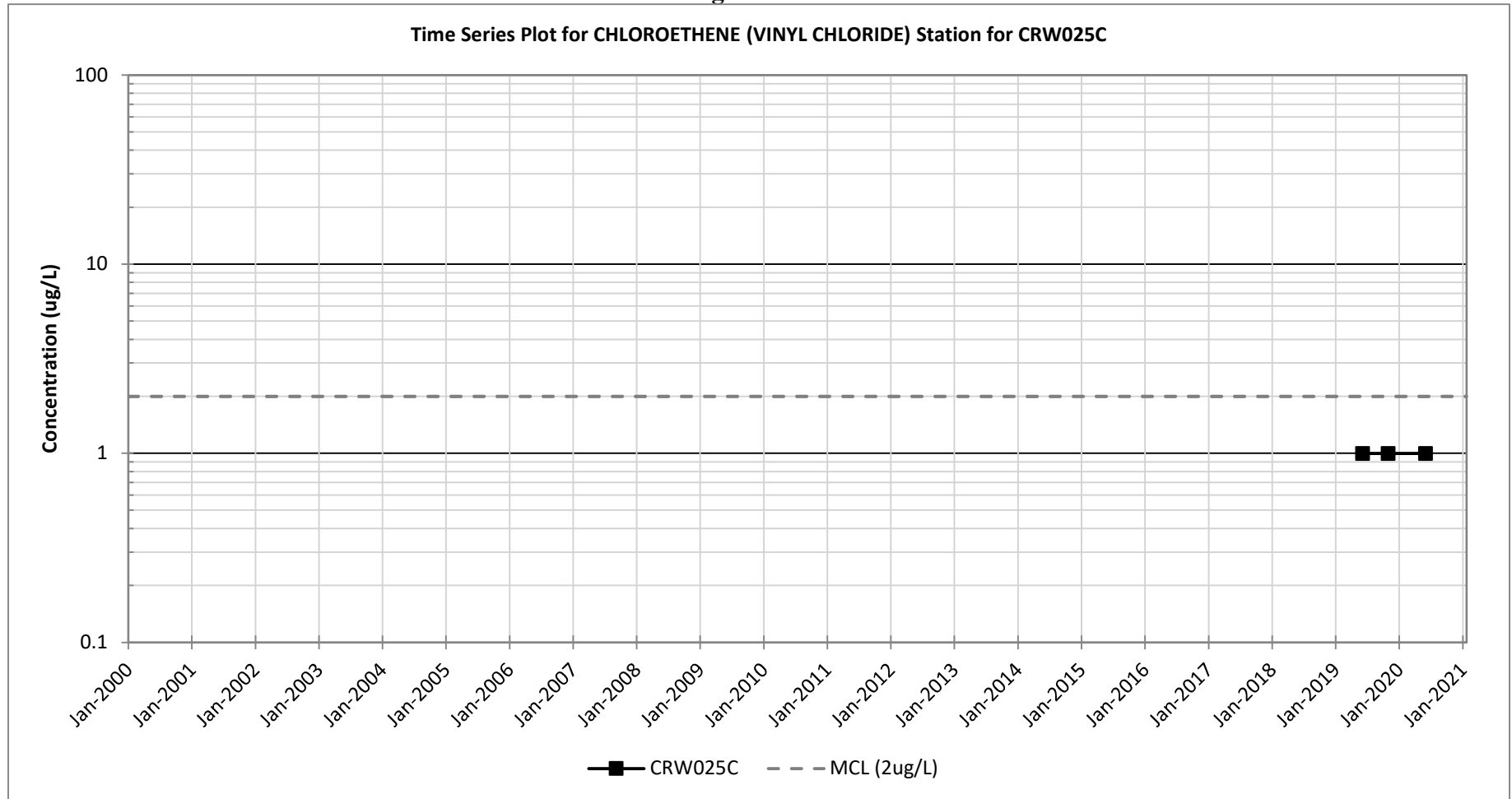


Figure C-32.

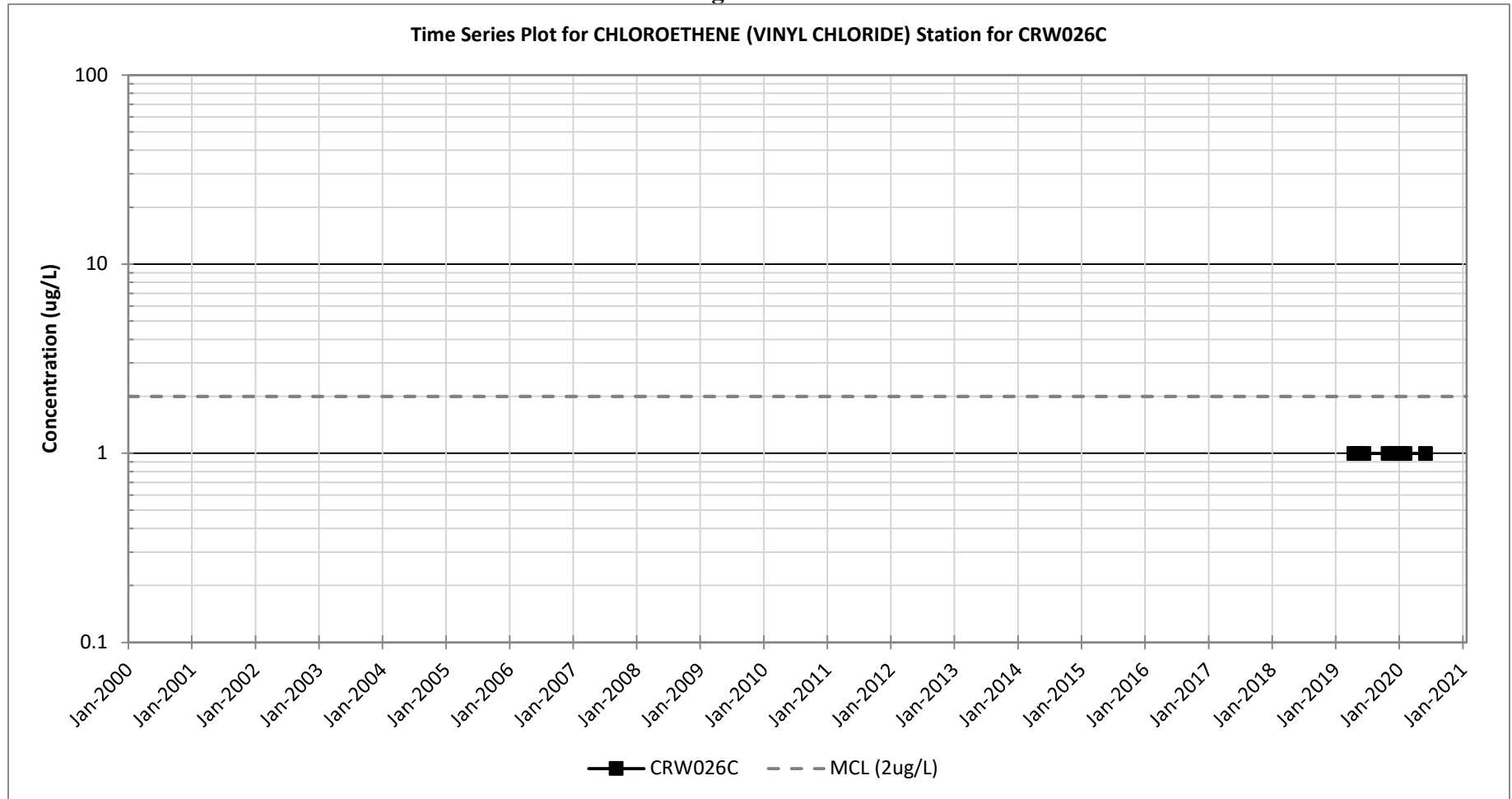


Figure C-33.

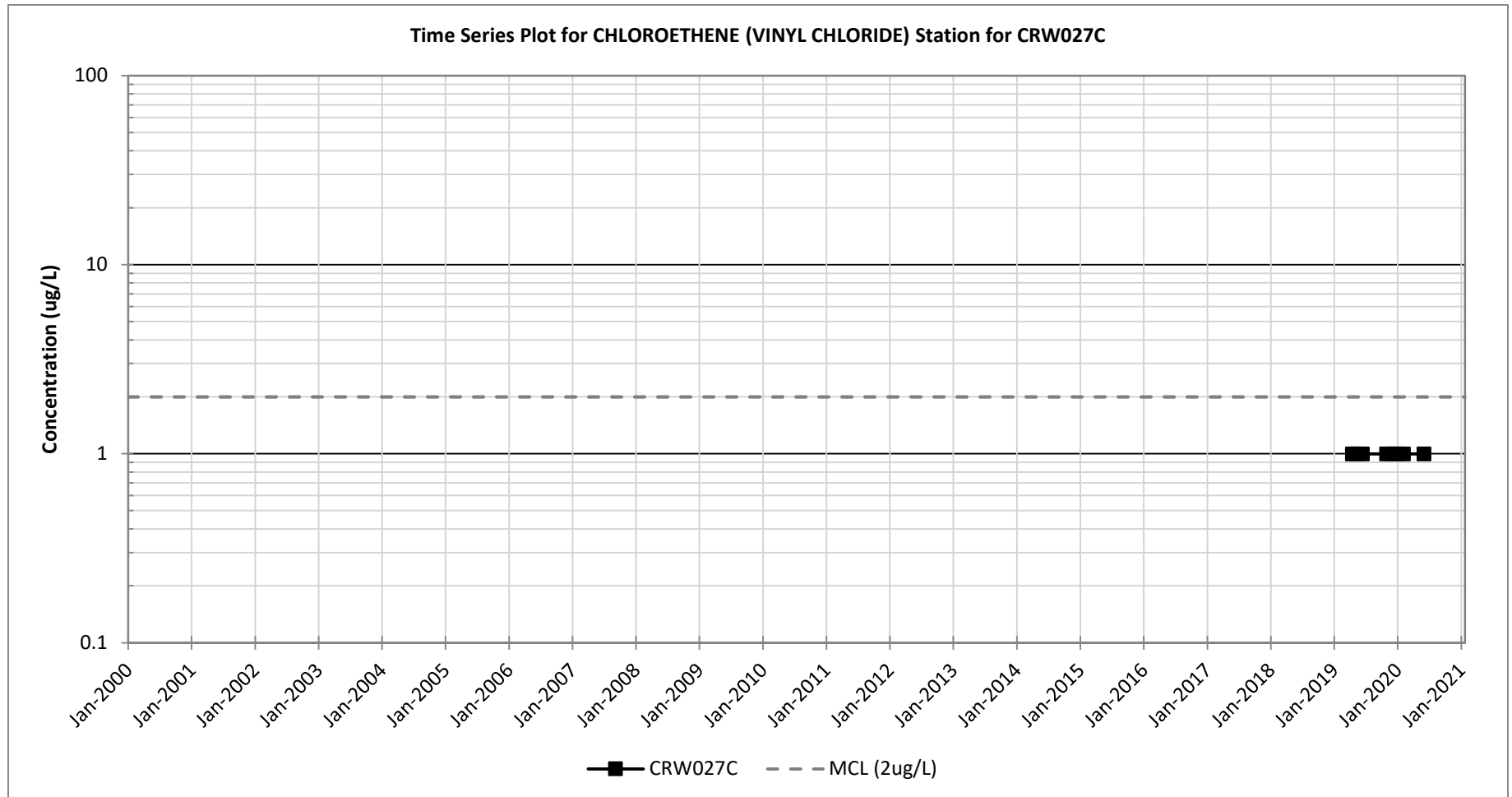


Figure C-34.

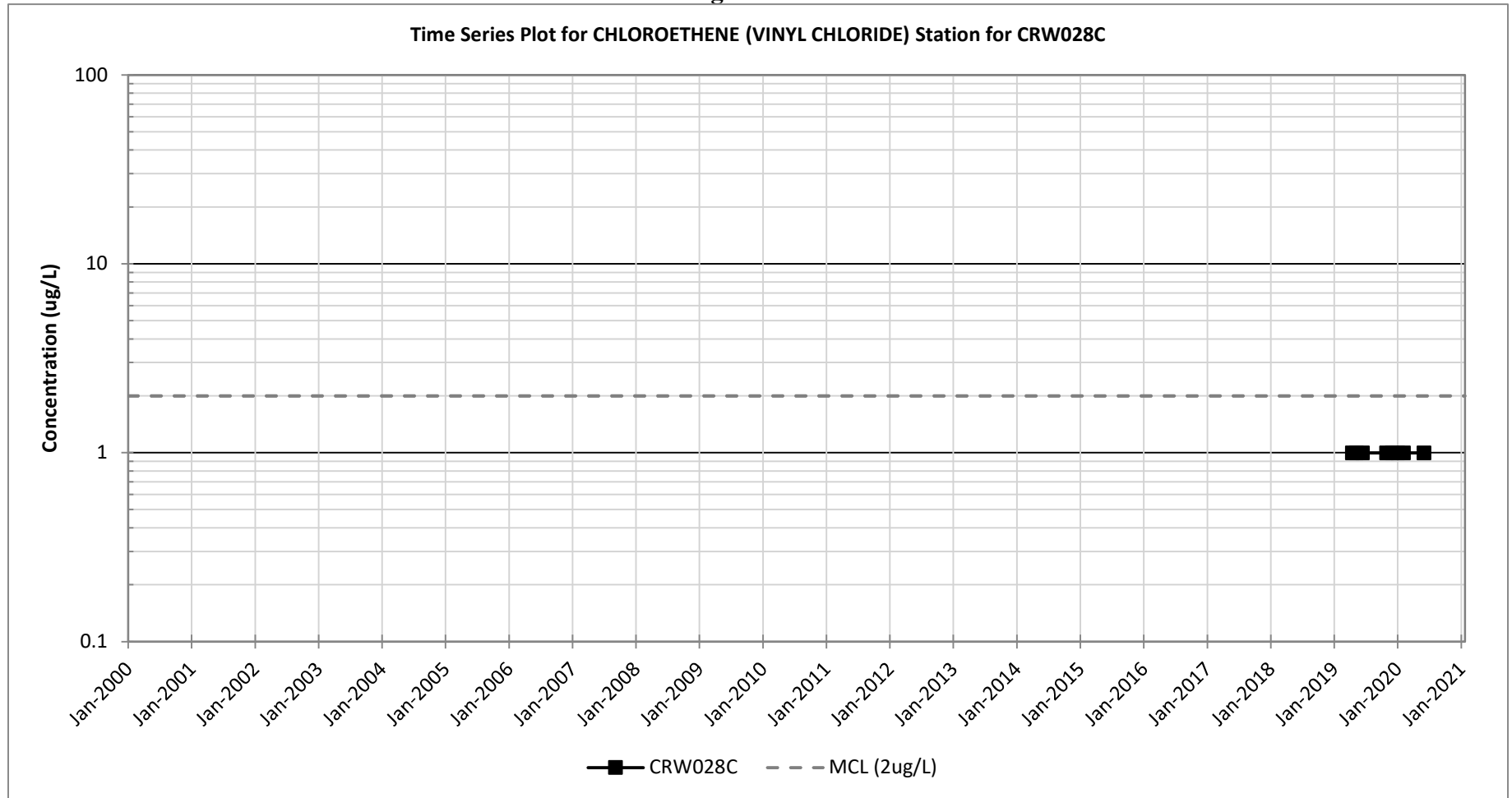


Figure C-35.

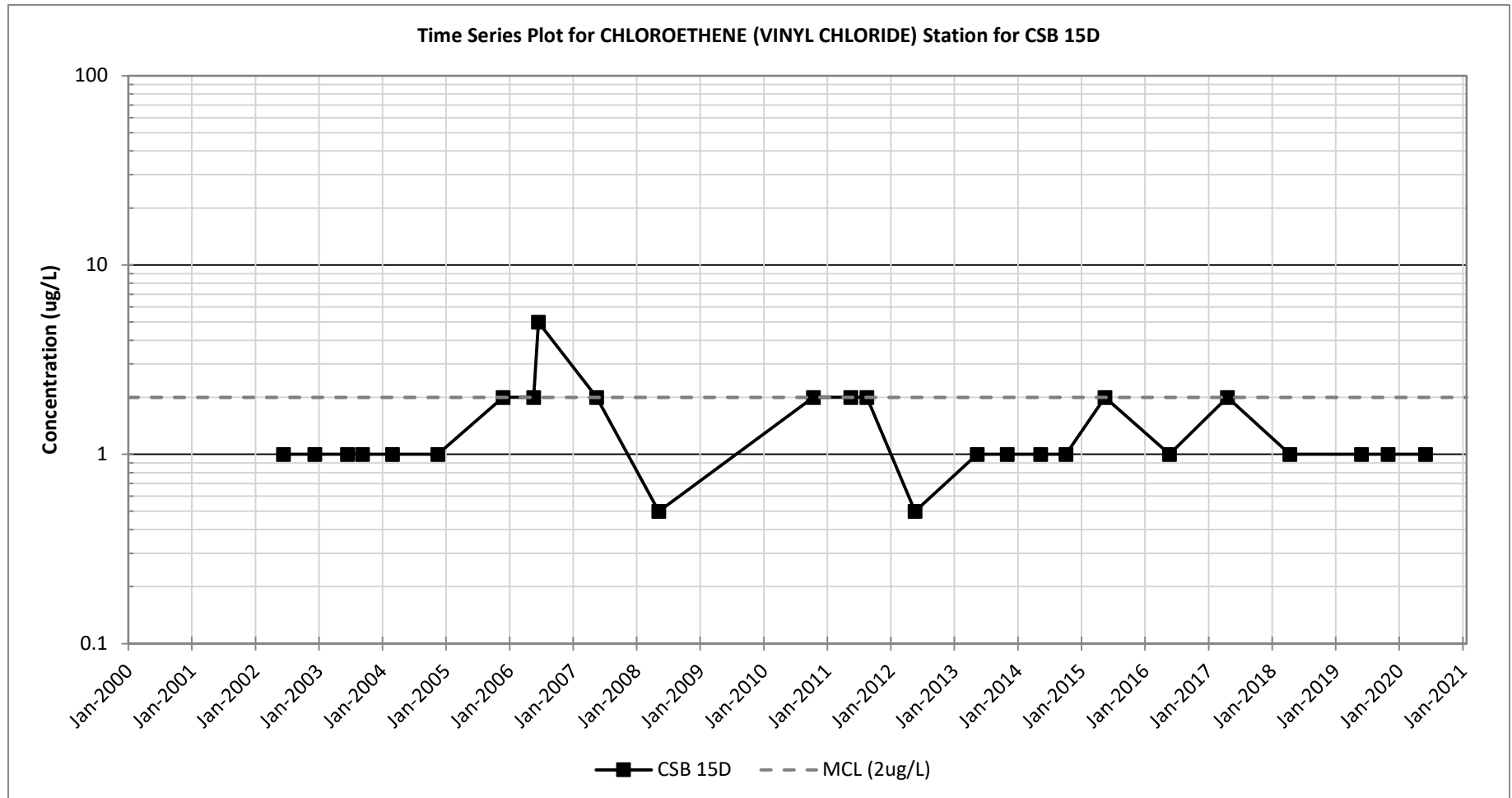


Figure C-36.

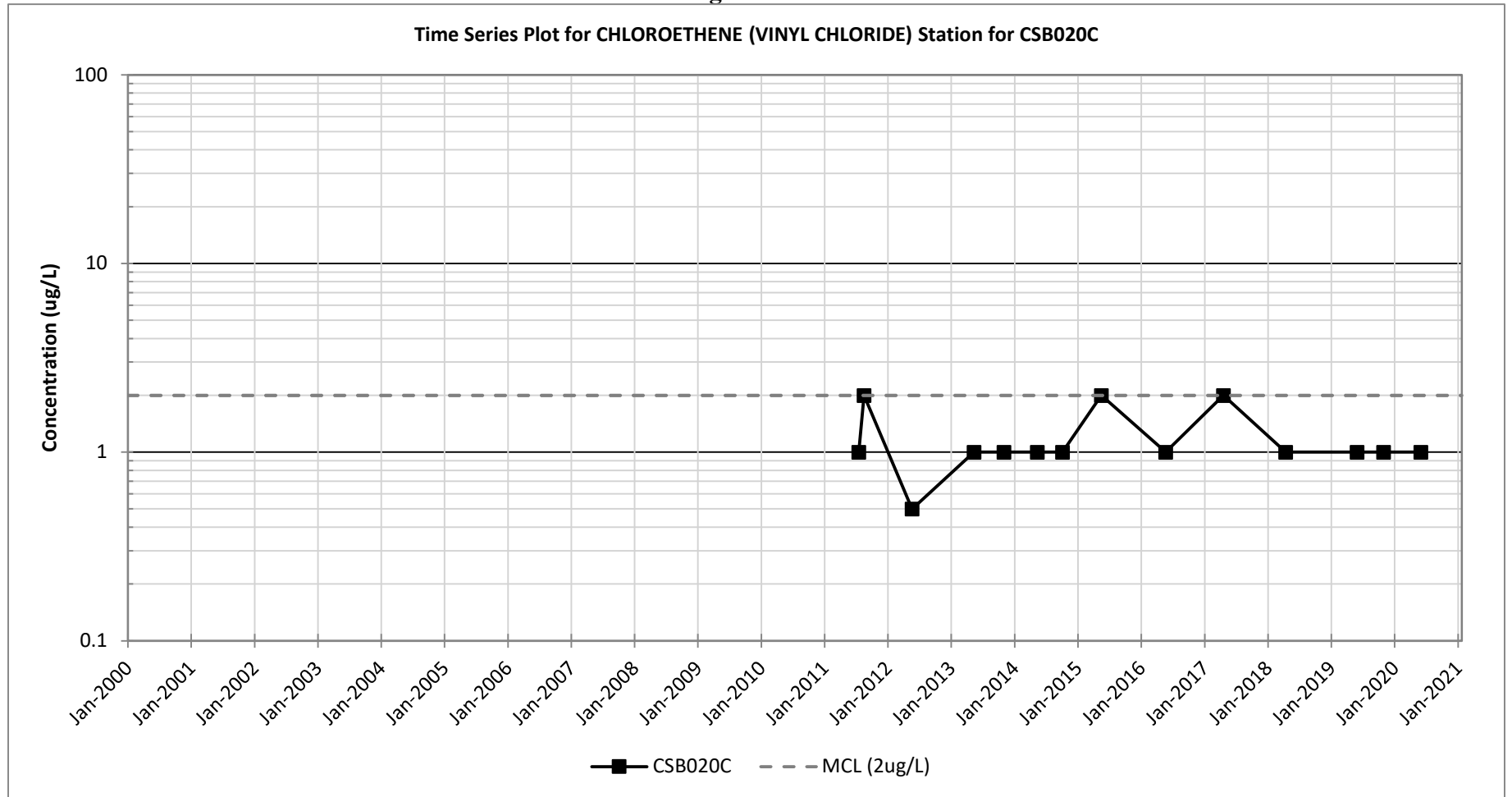


Figure C-37.

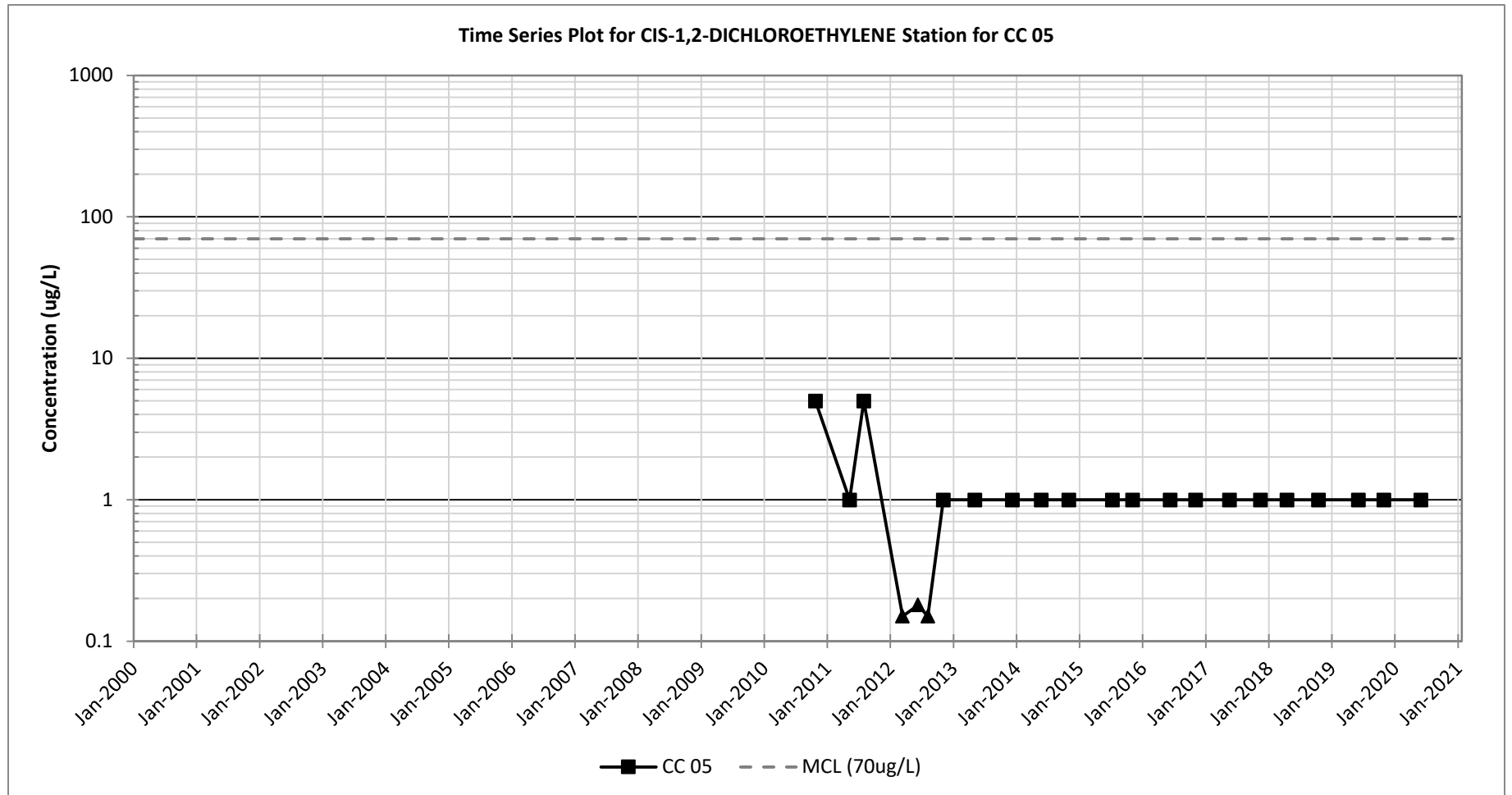


Figure C-38.

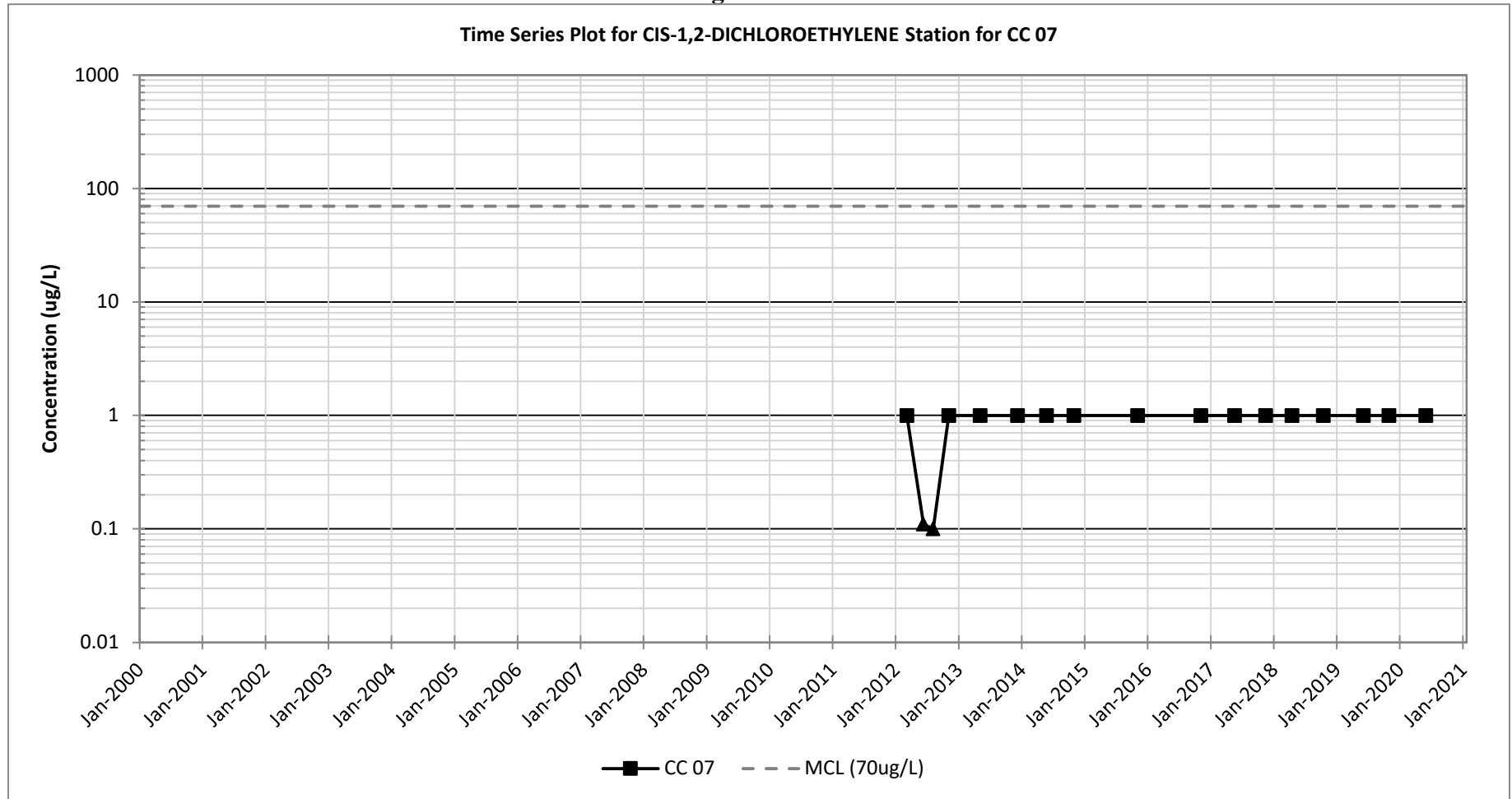


Figure C-39.

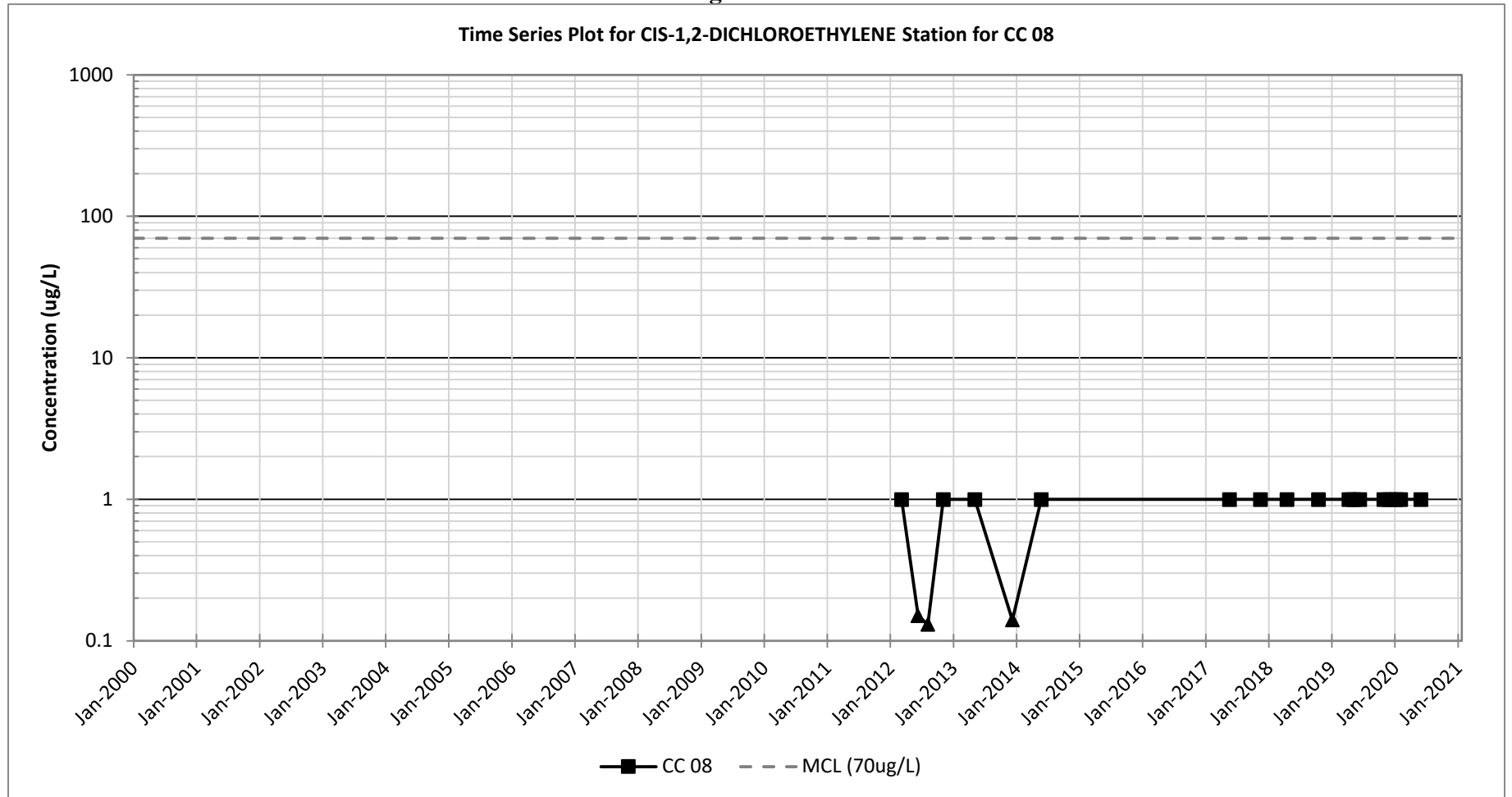


Figure C-40.

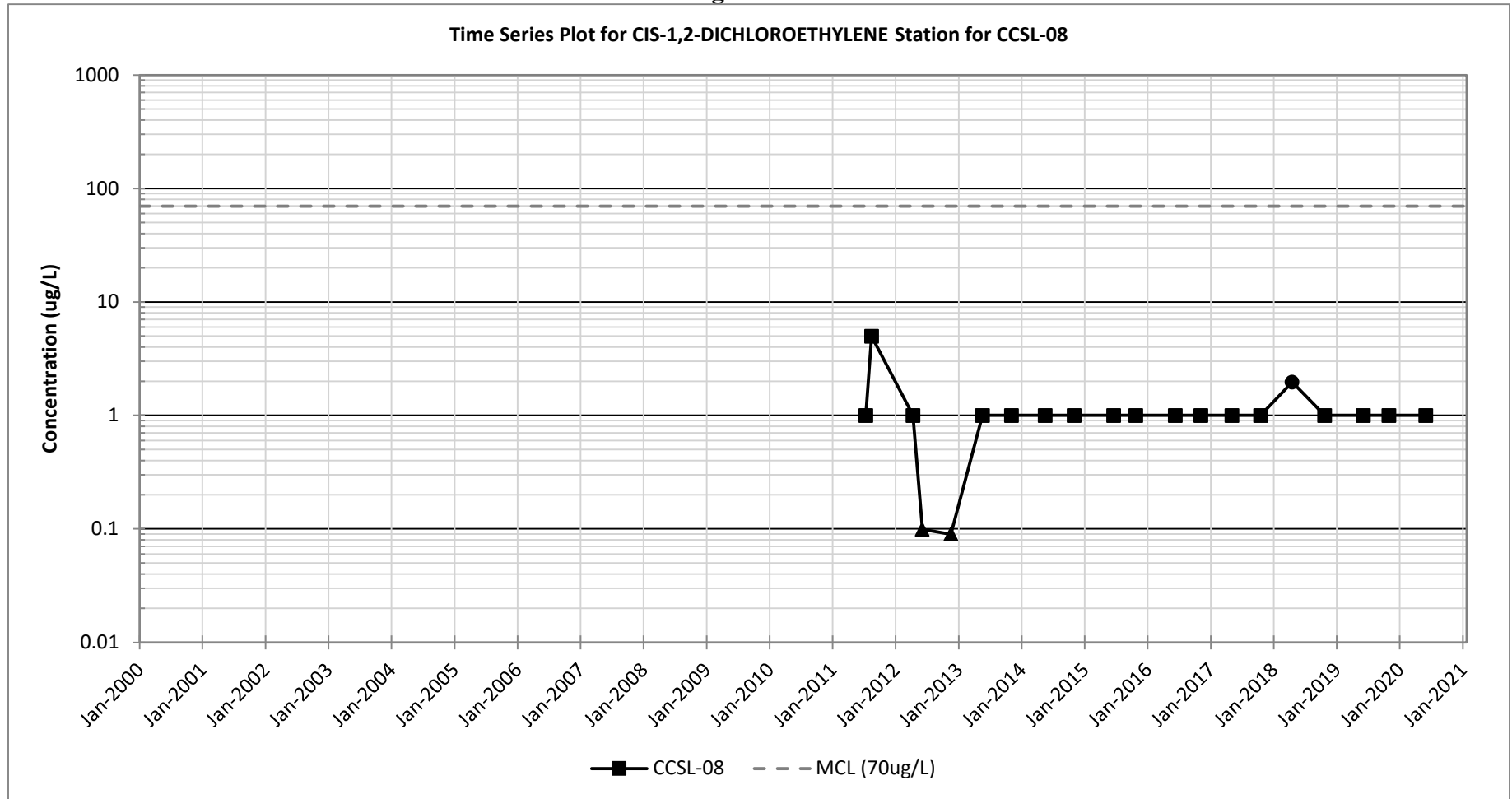


Figure C-41.

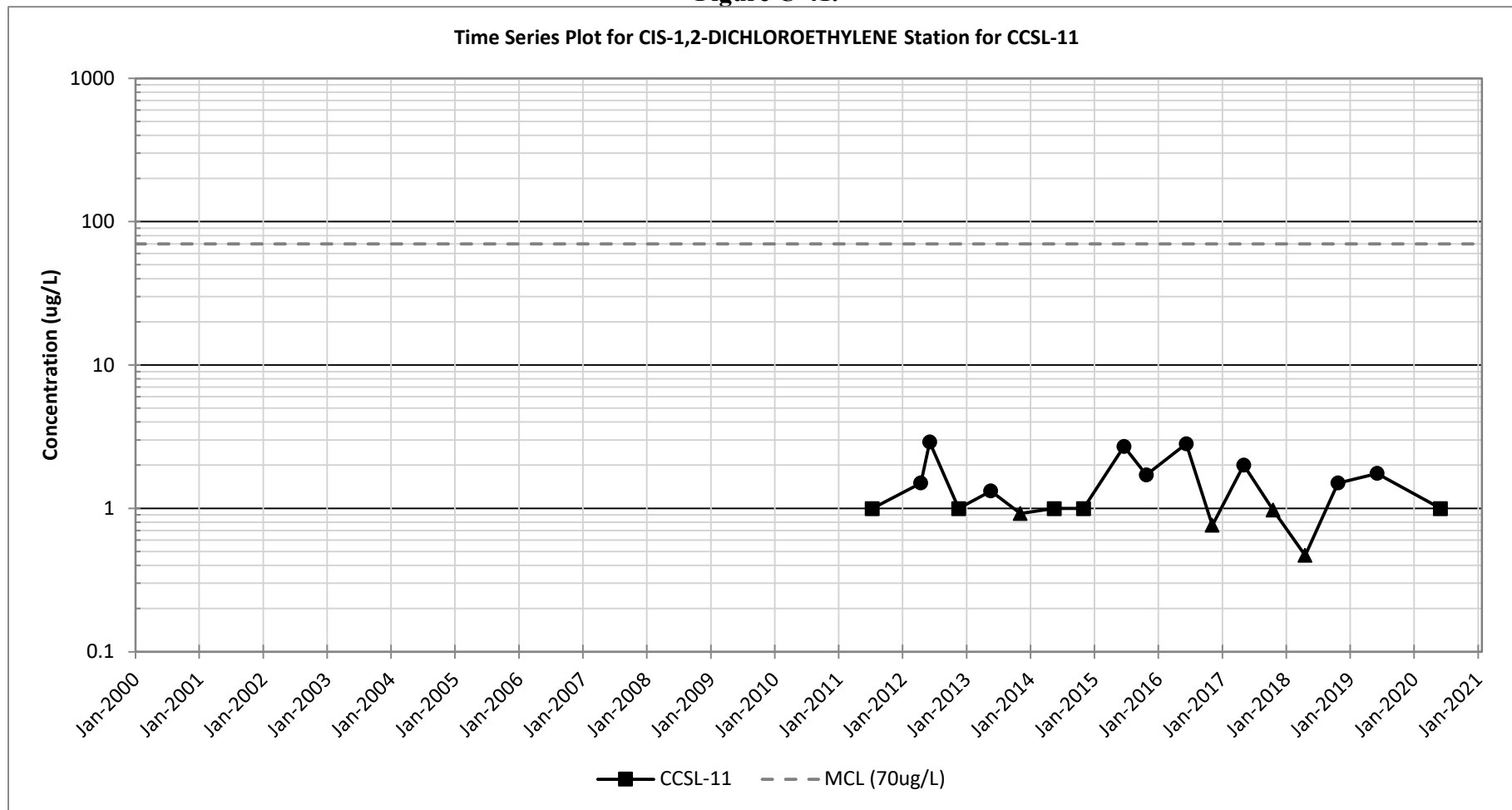


Figure C-42.

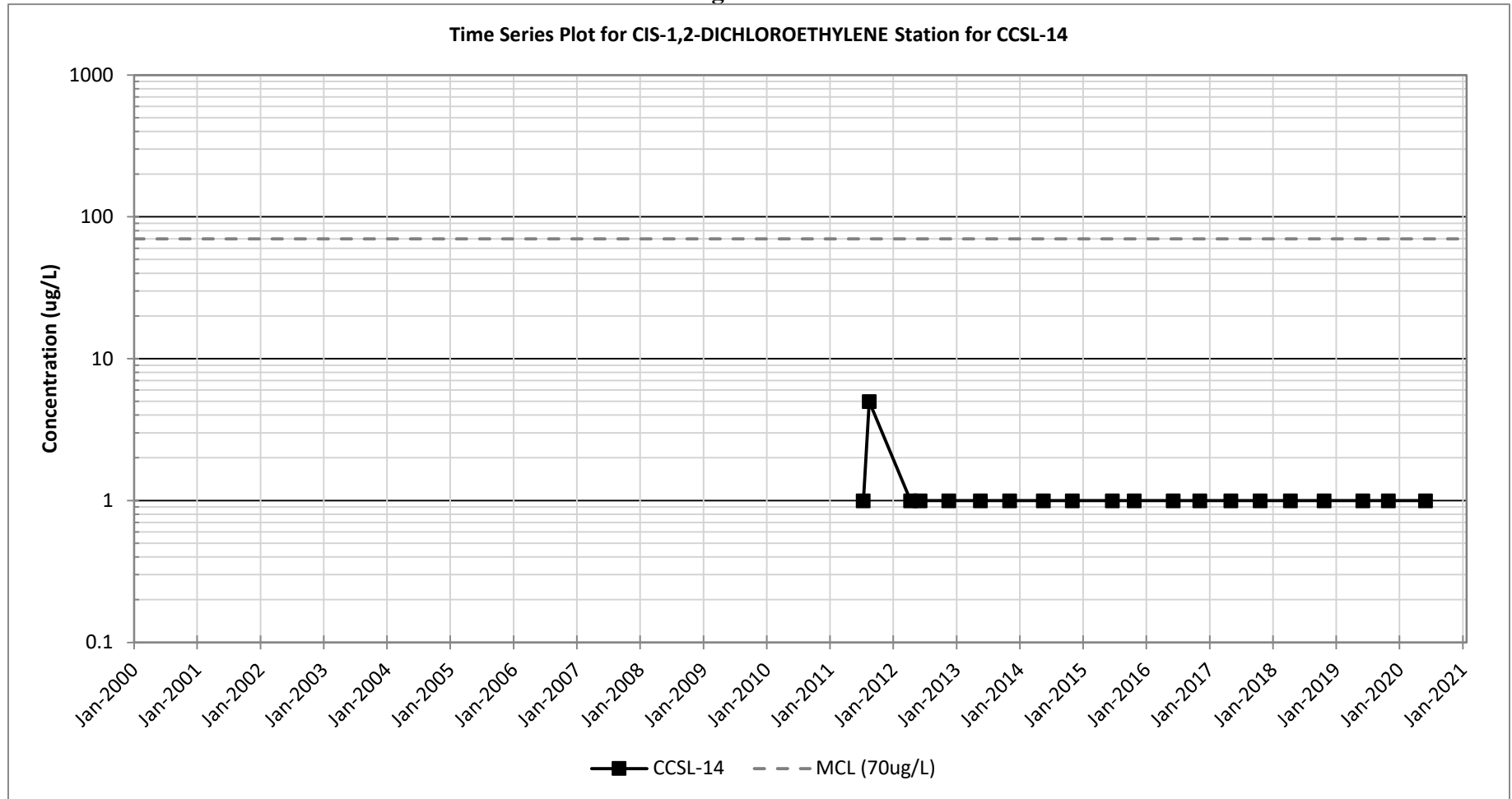


Figure C-43.

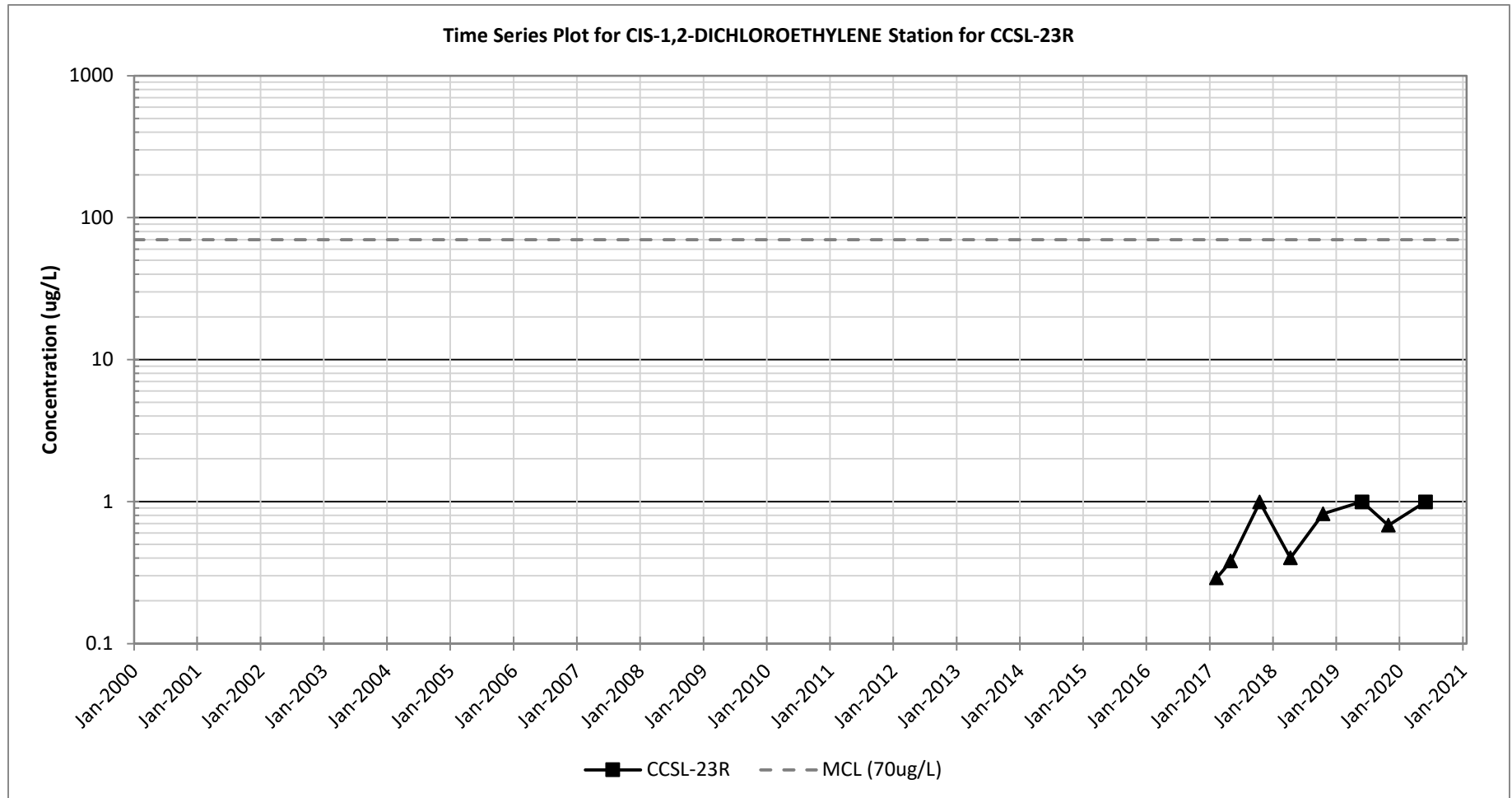


Figure C-44.

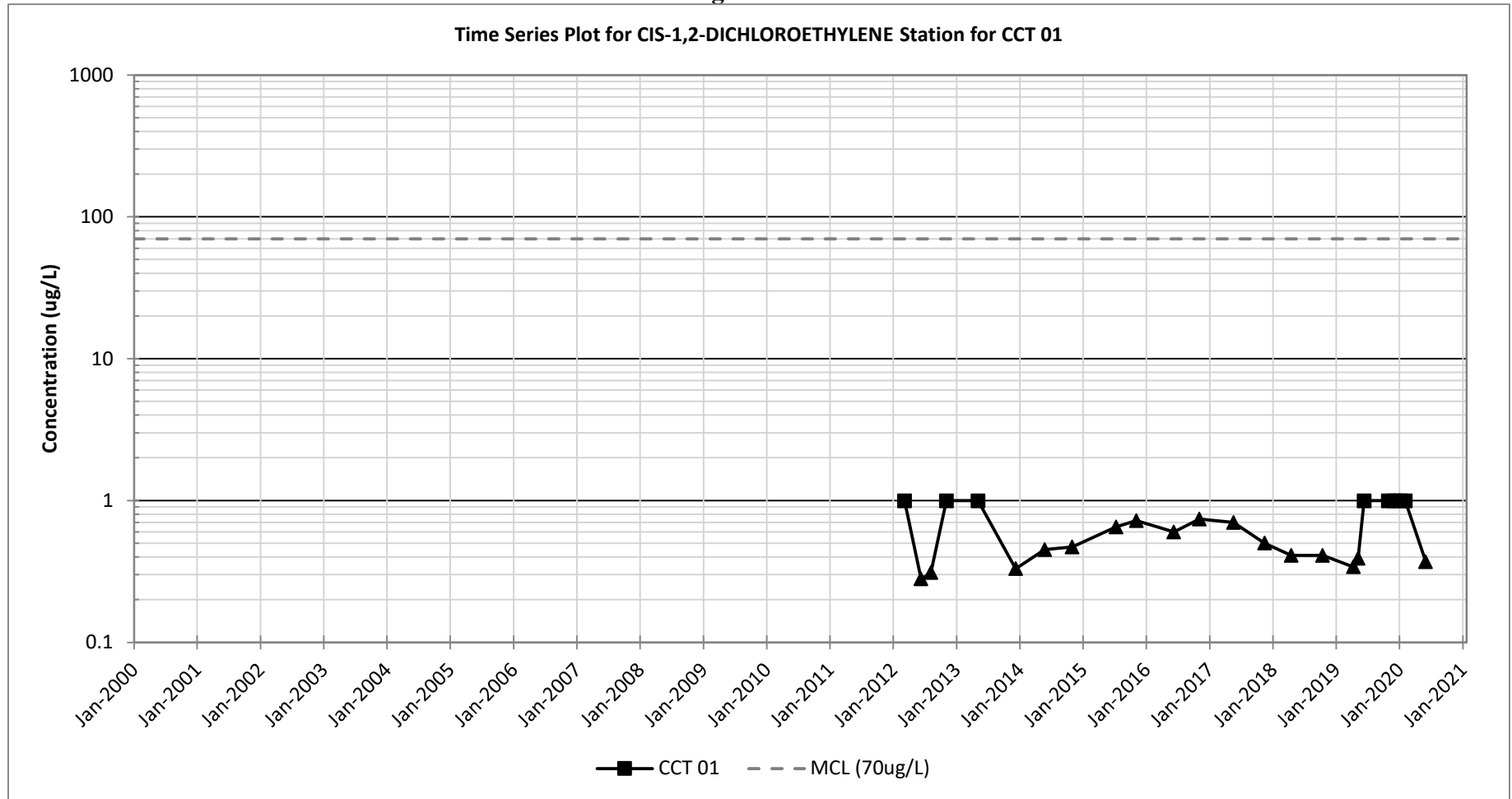


Figure C-45.

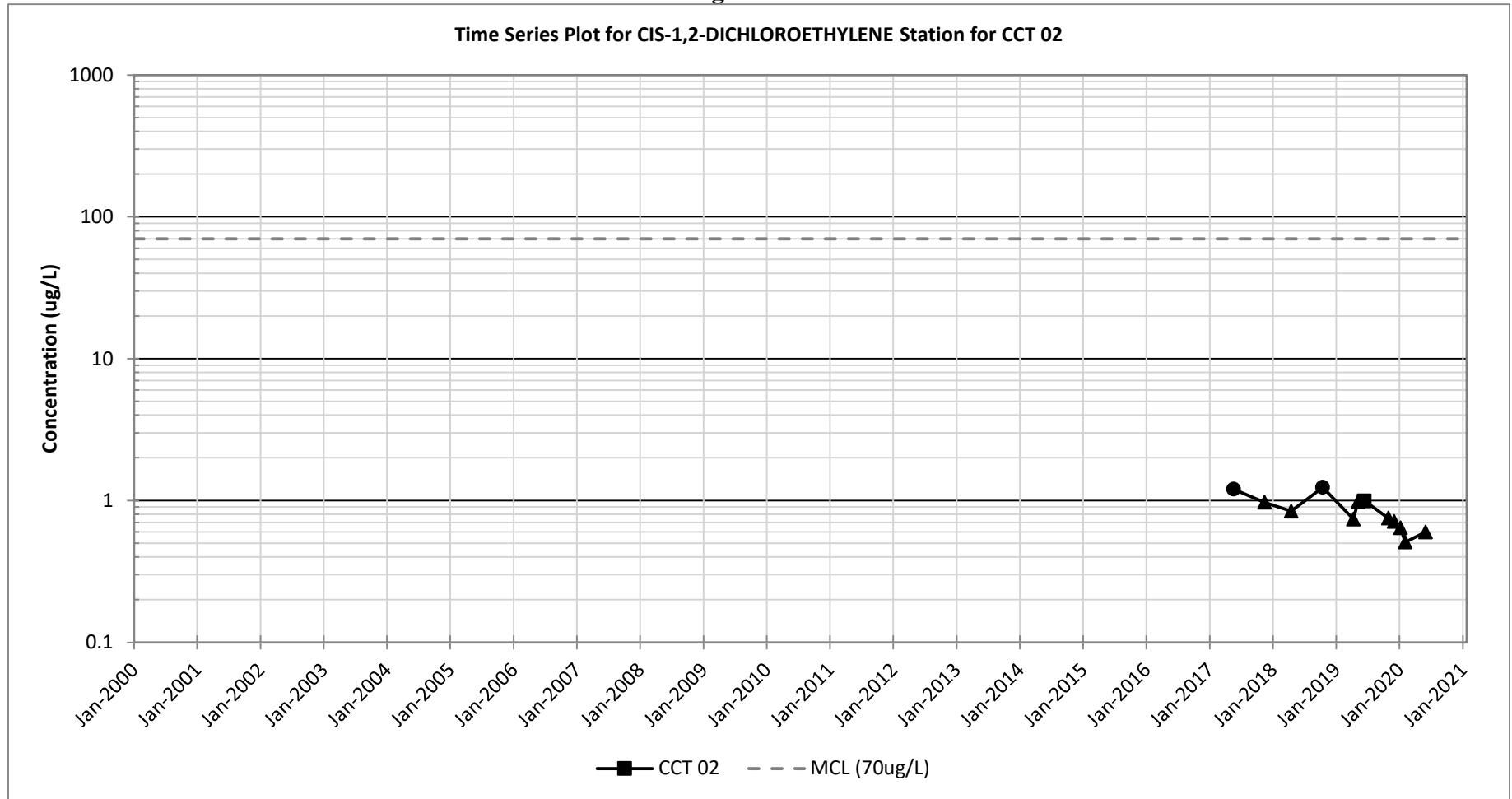


Figure C-46.

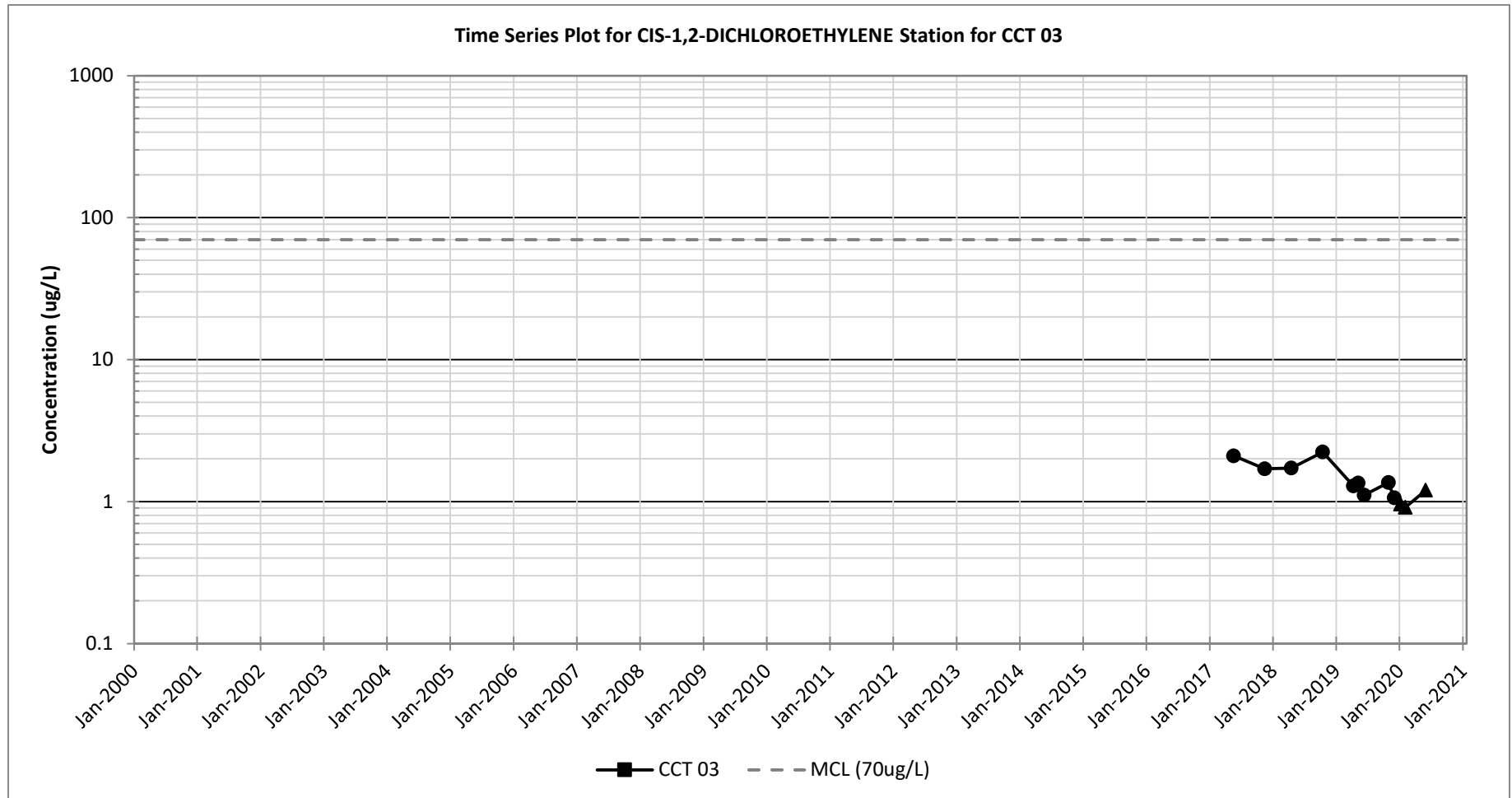


Figure C-47.

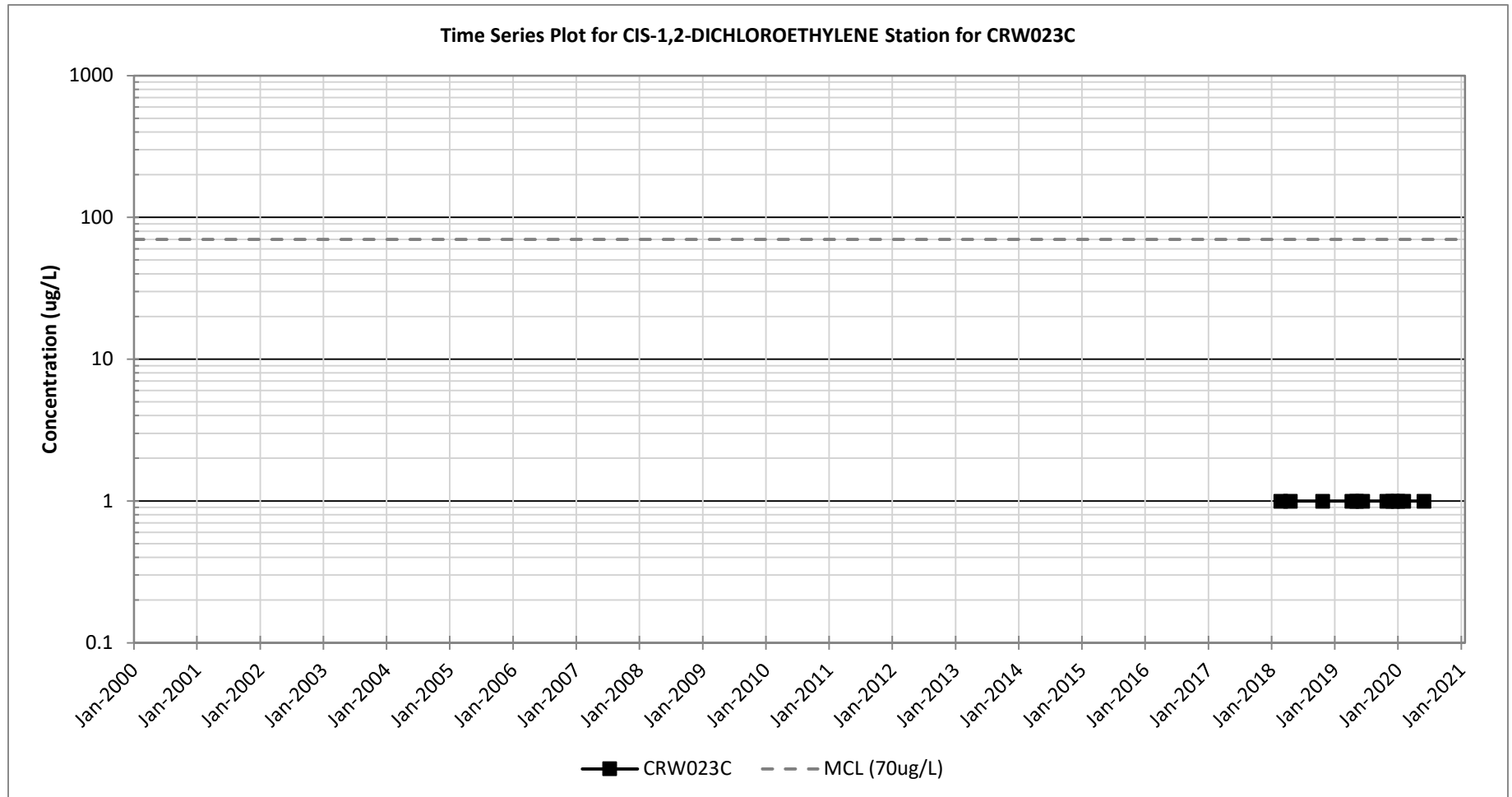


Figure C-48.

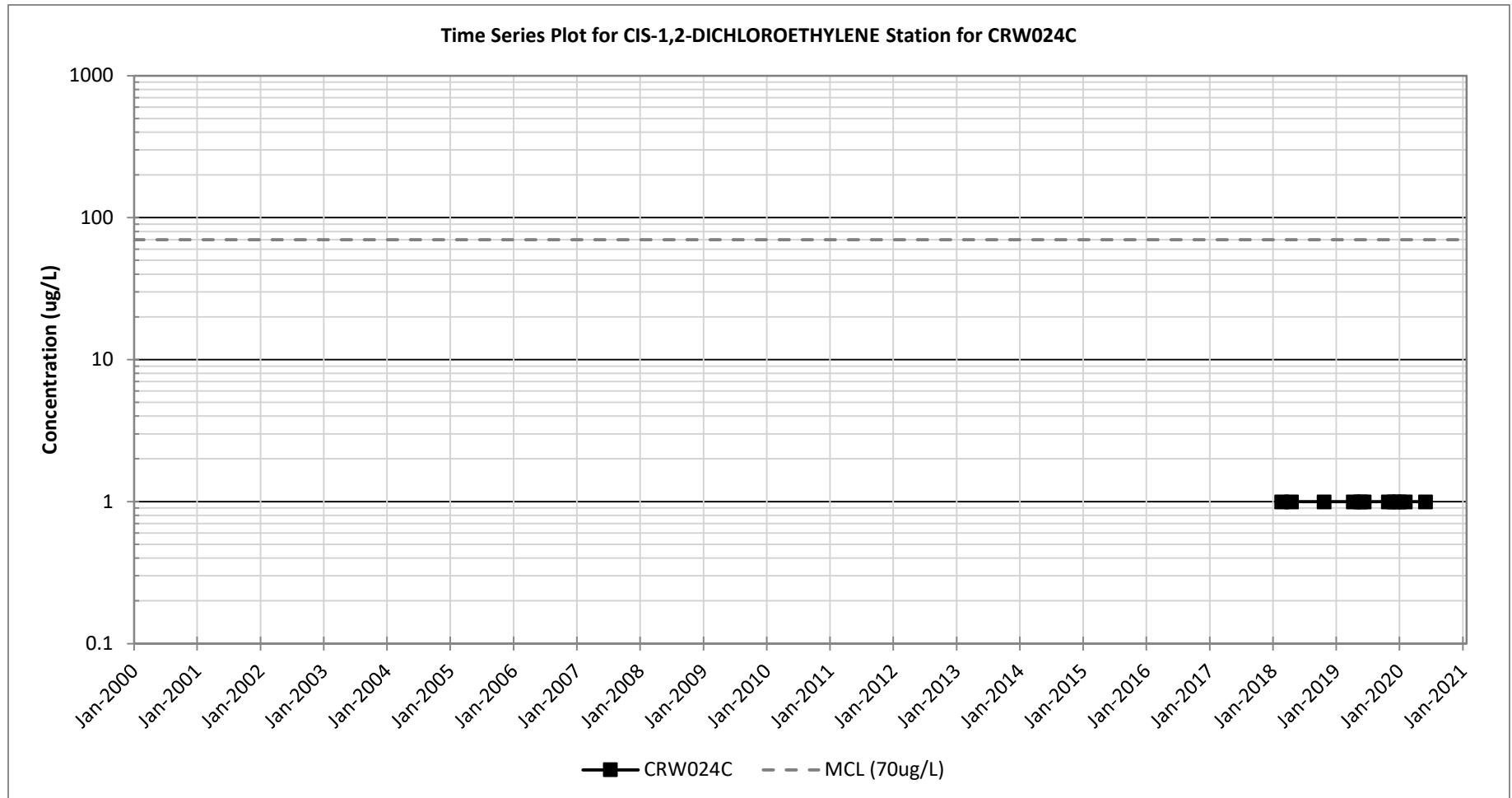


Figure C-49.

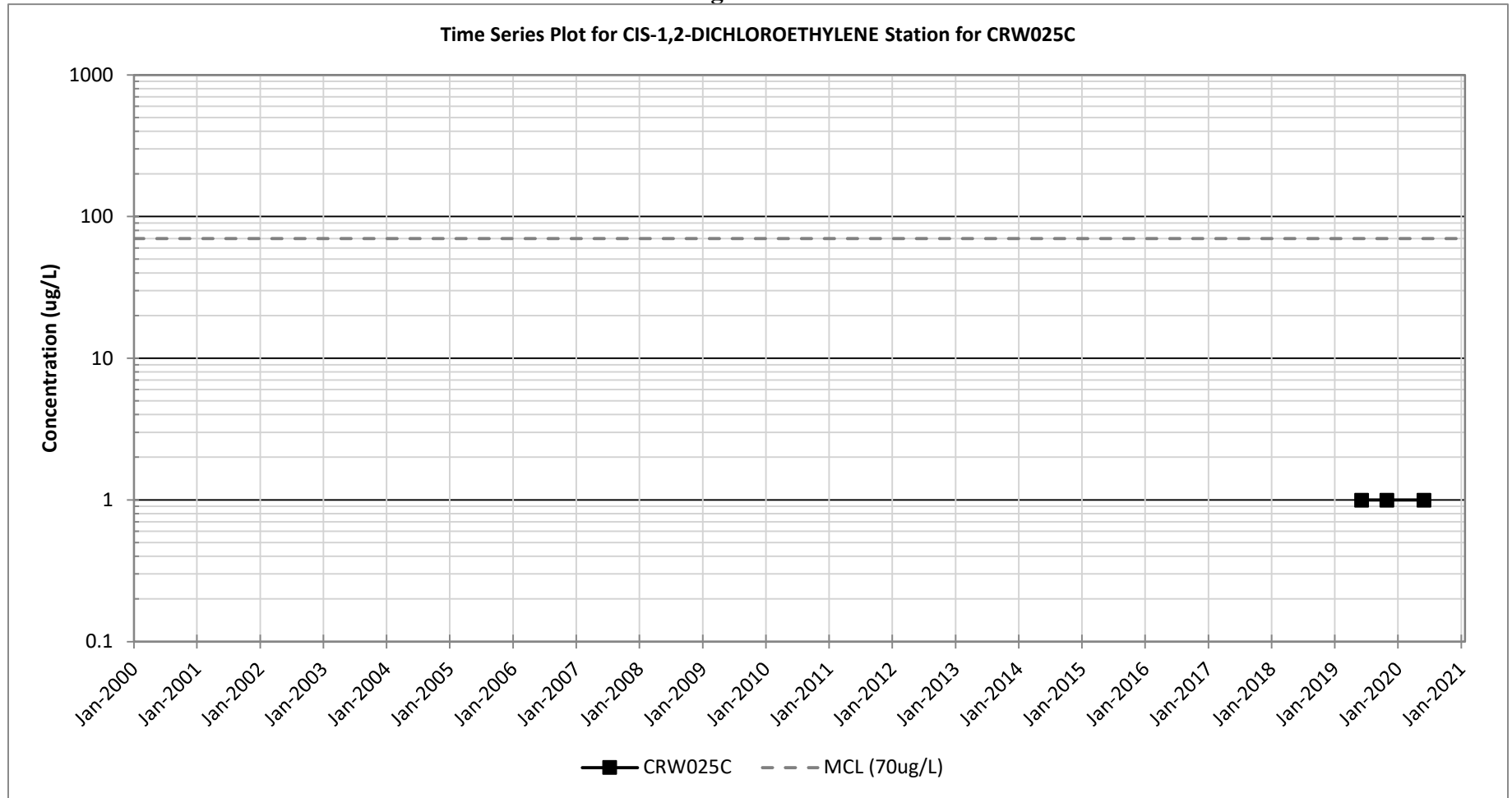


Figure C-50.

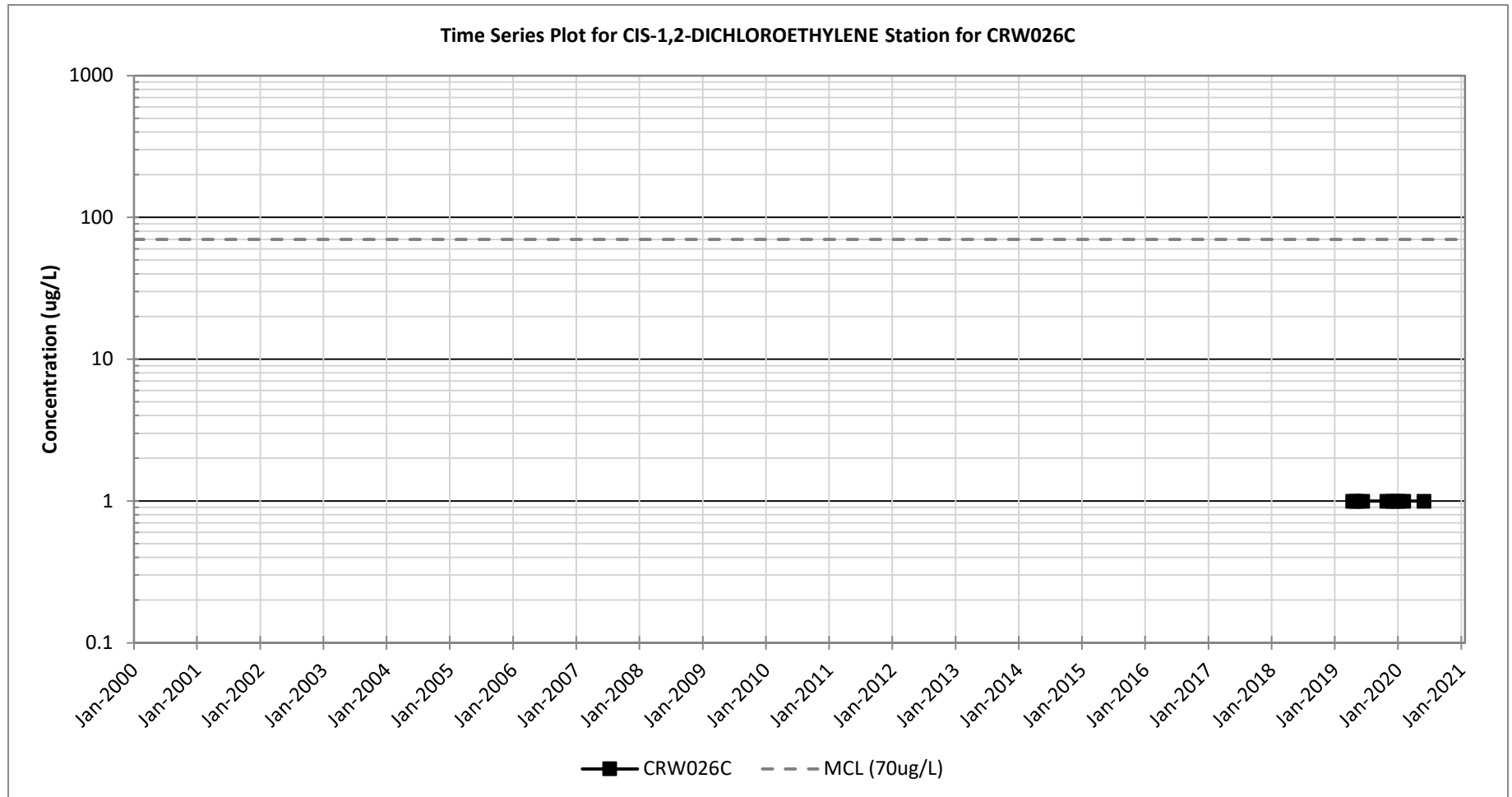


Figure C-51.

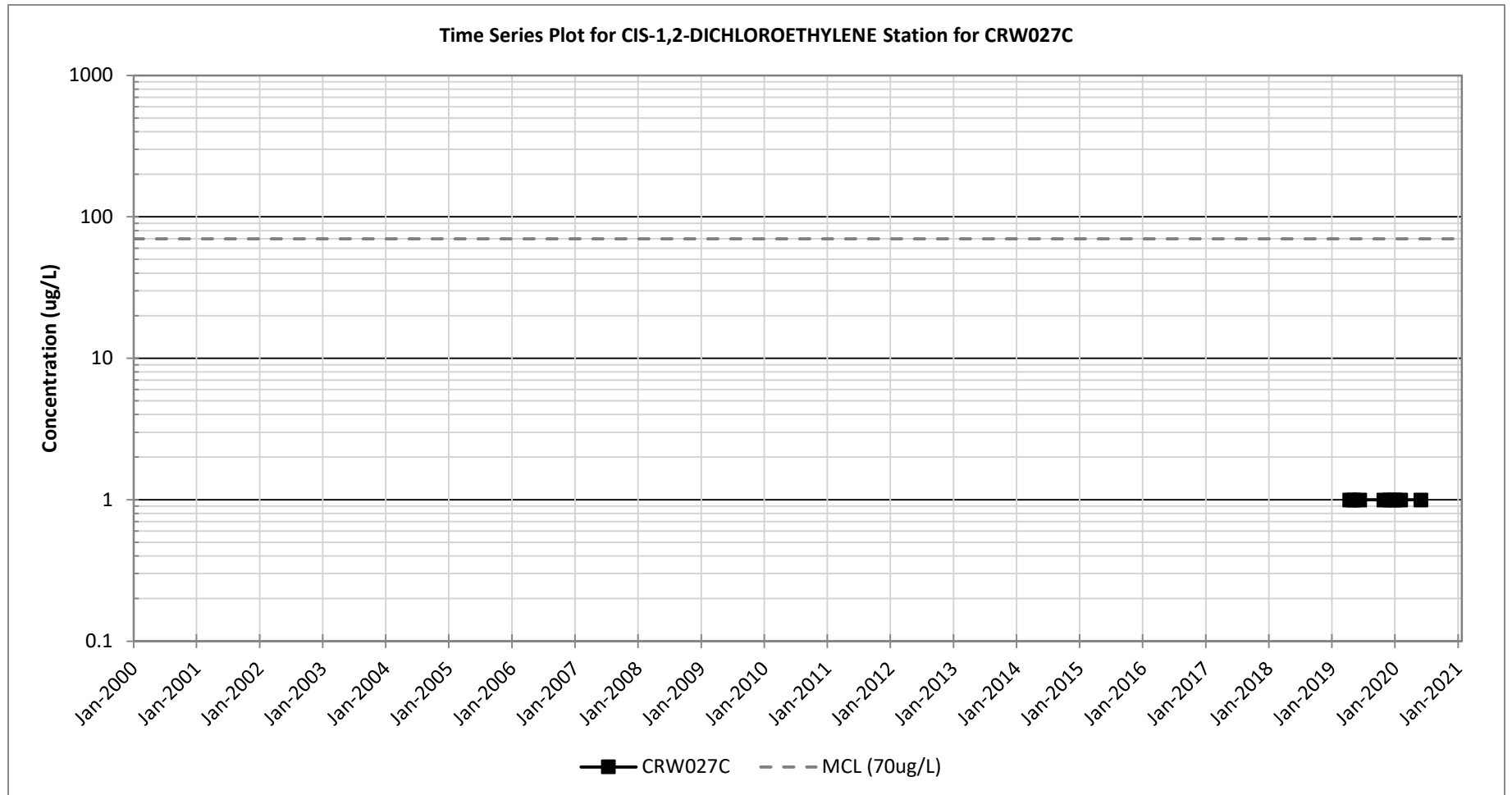


Figure C-52.

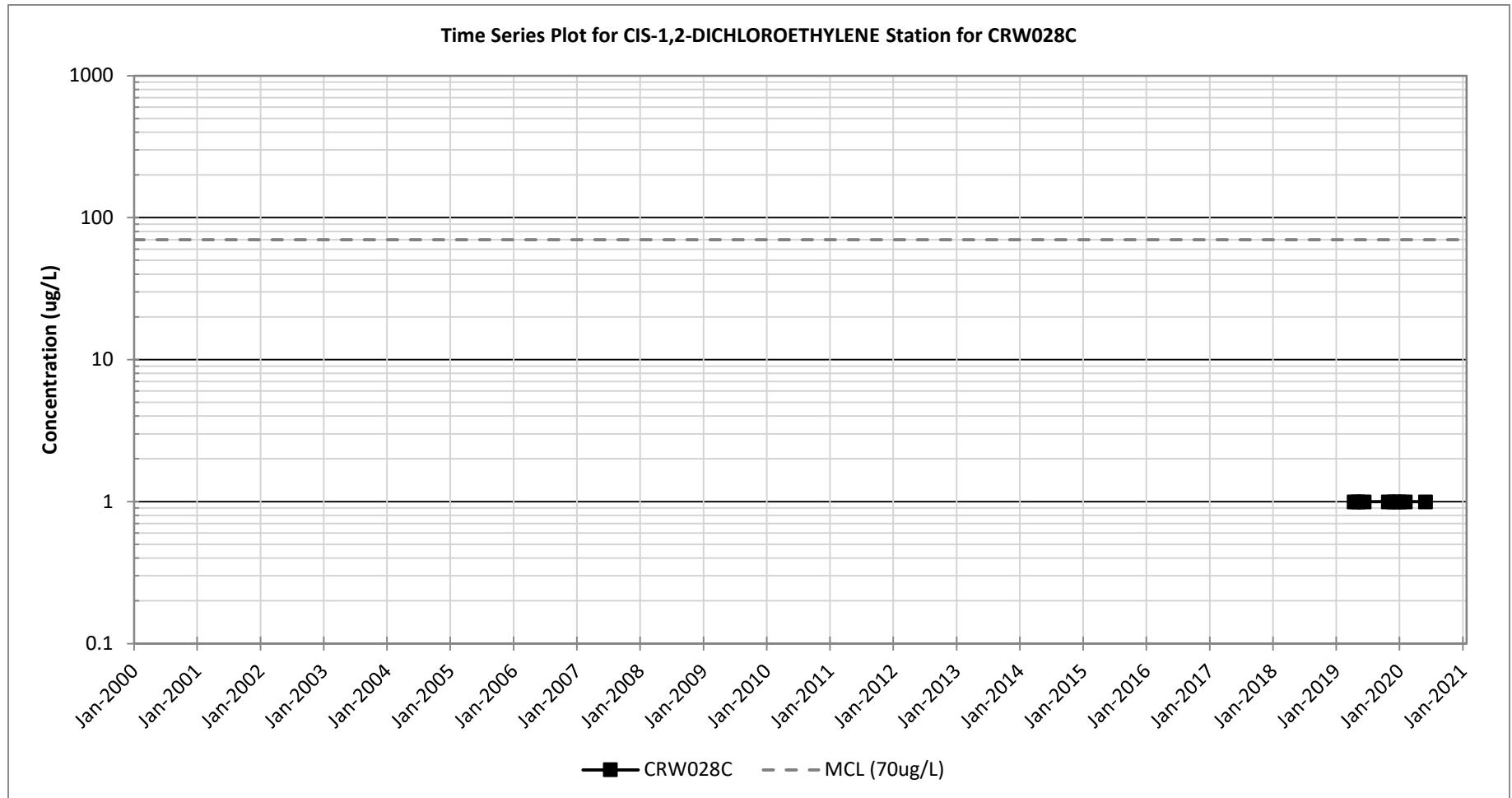


Figure C-53.

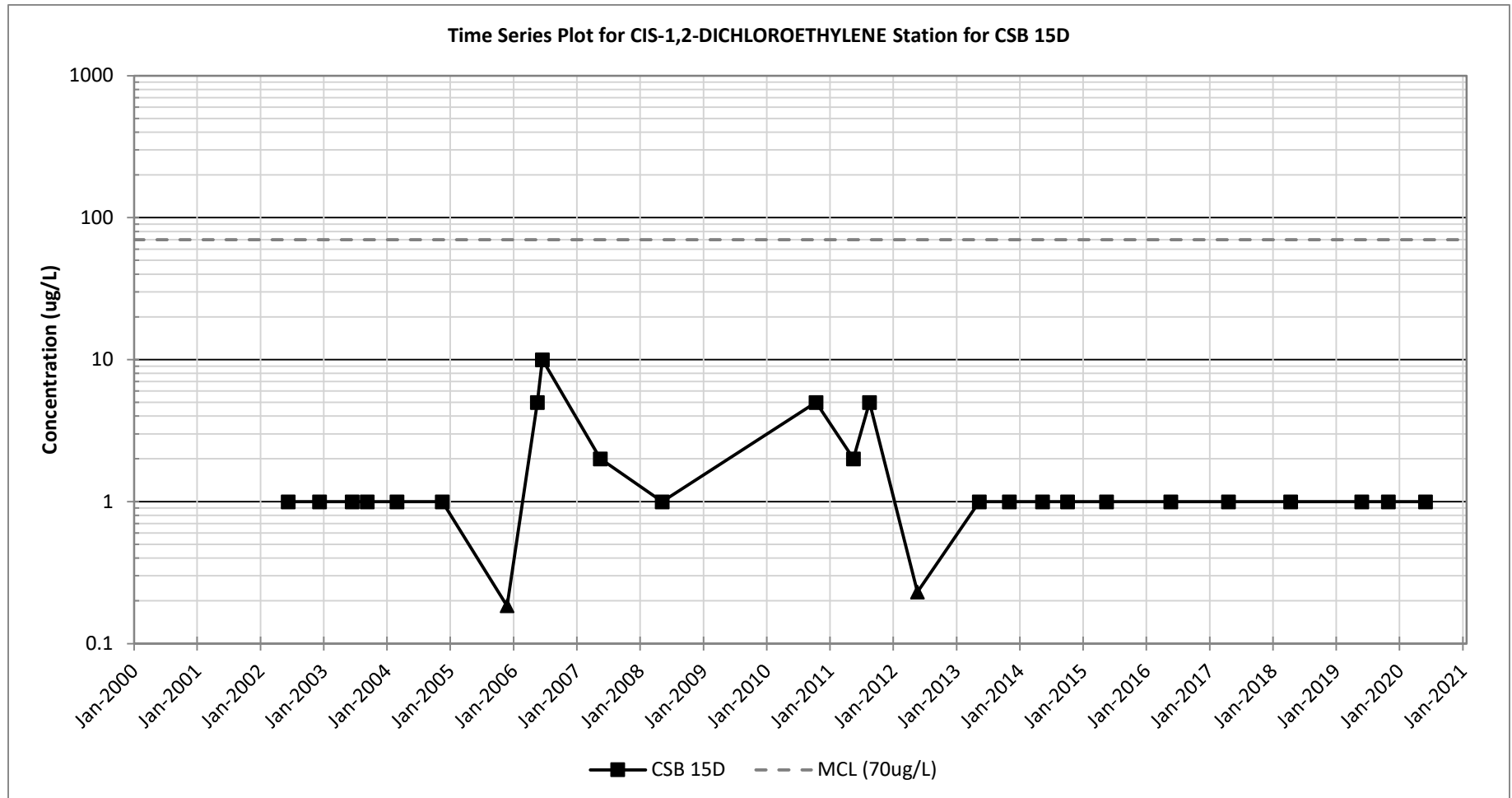


Figure C-54.

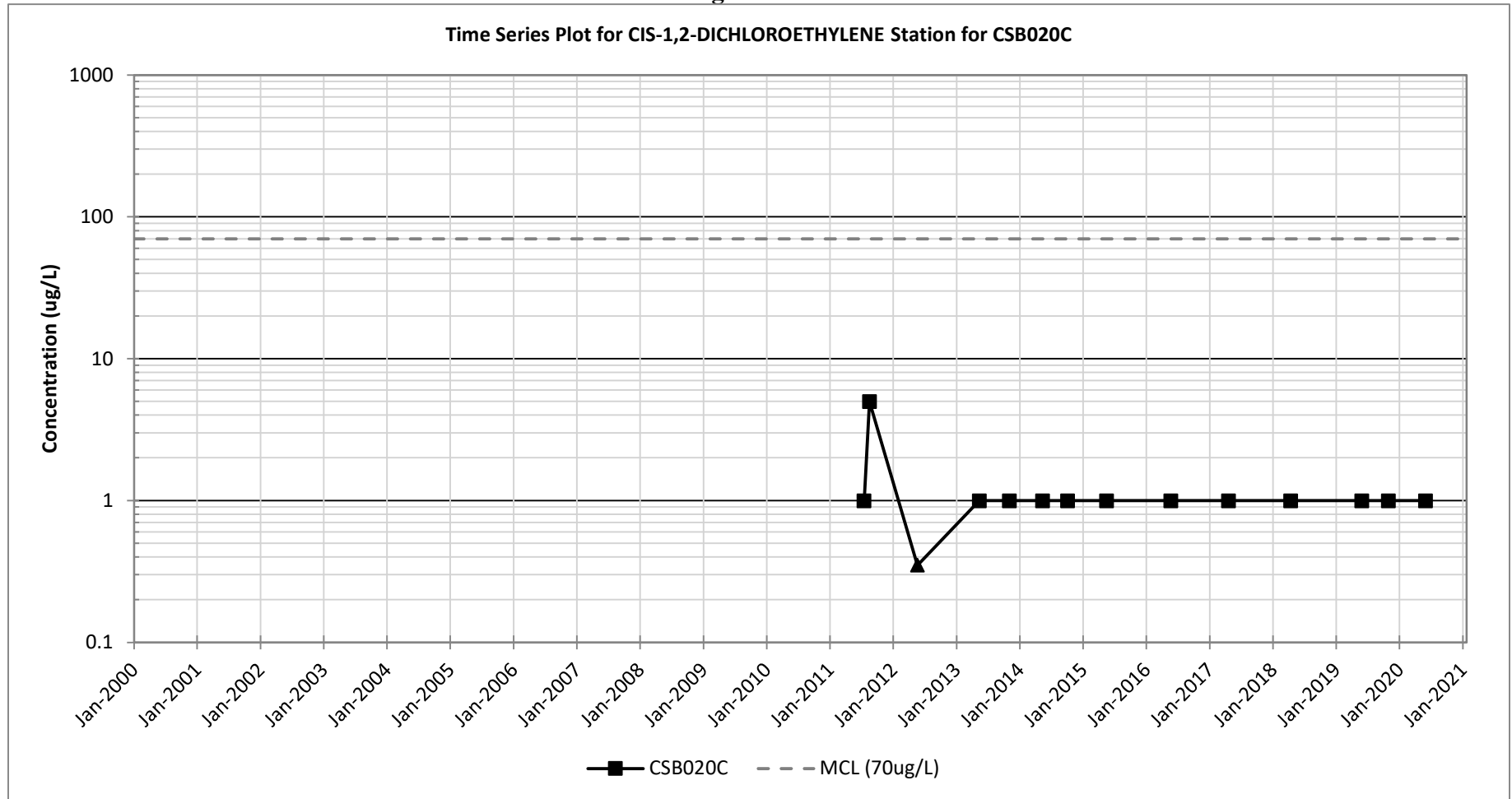


Figure C-55.

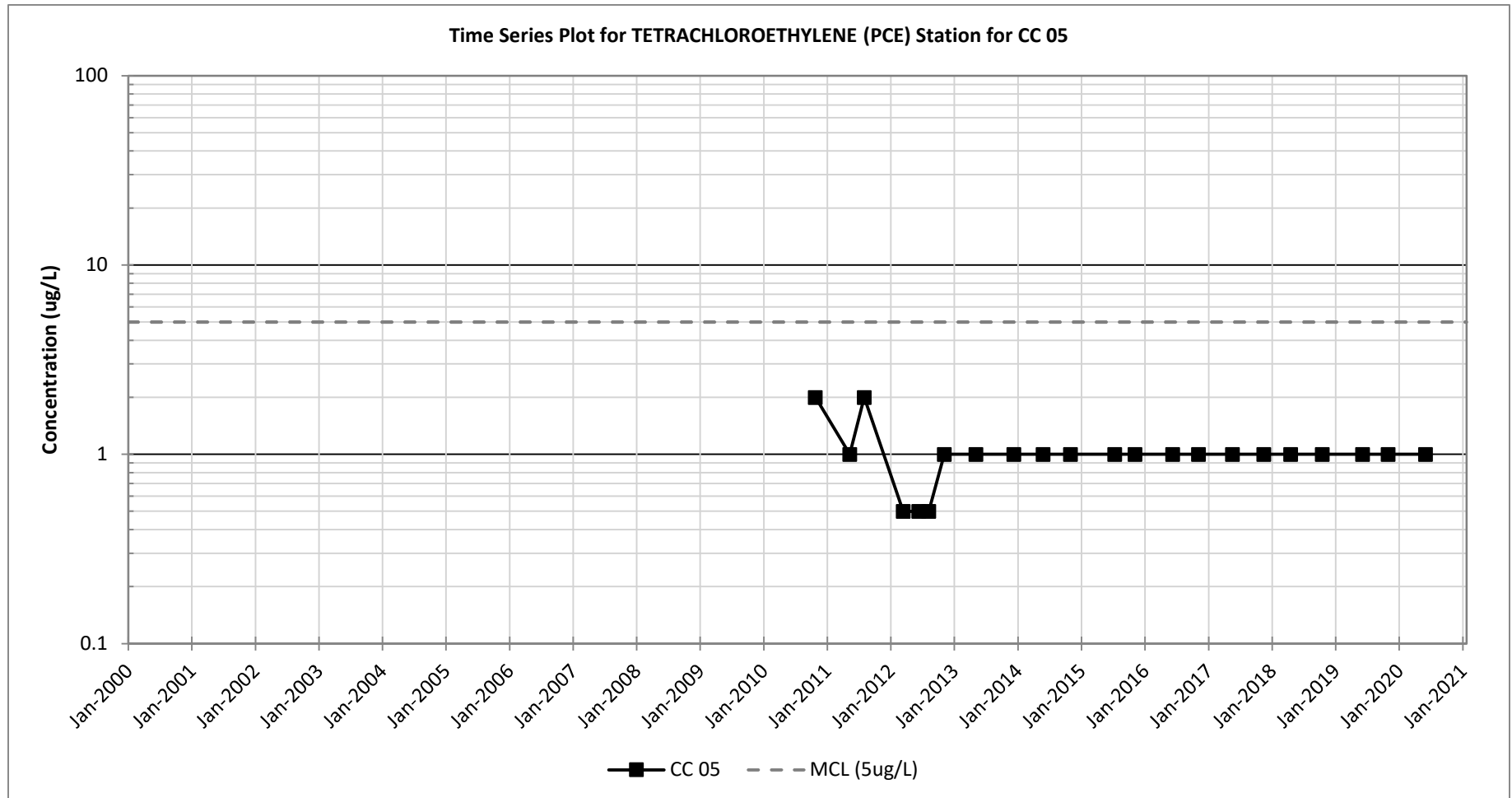


Figure C-56.

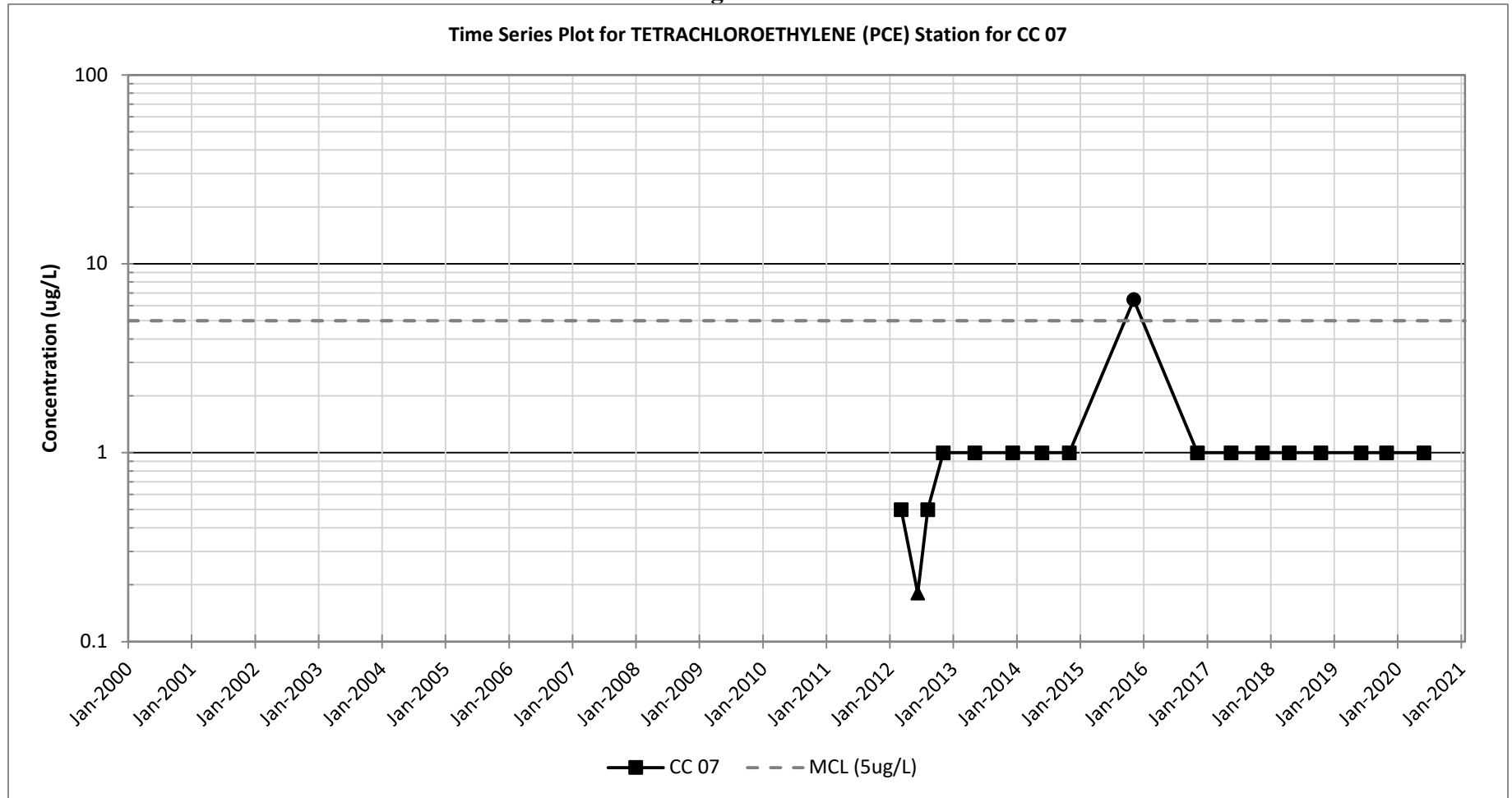


Figure C-57.

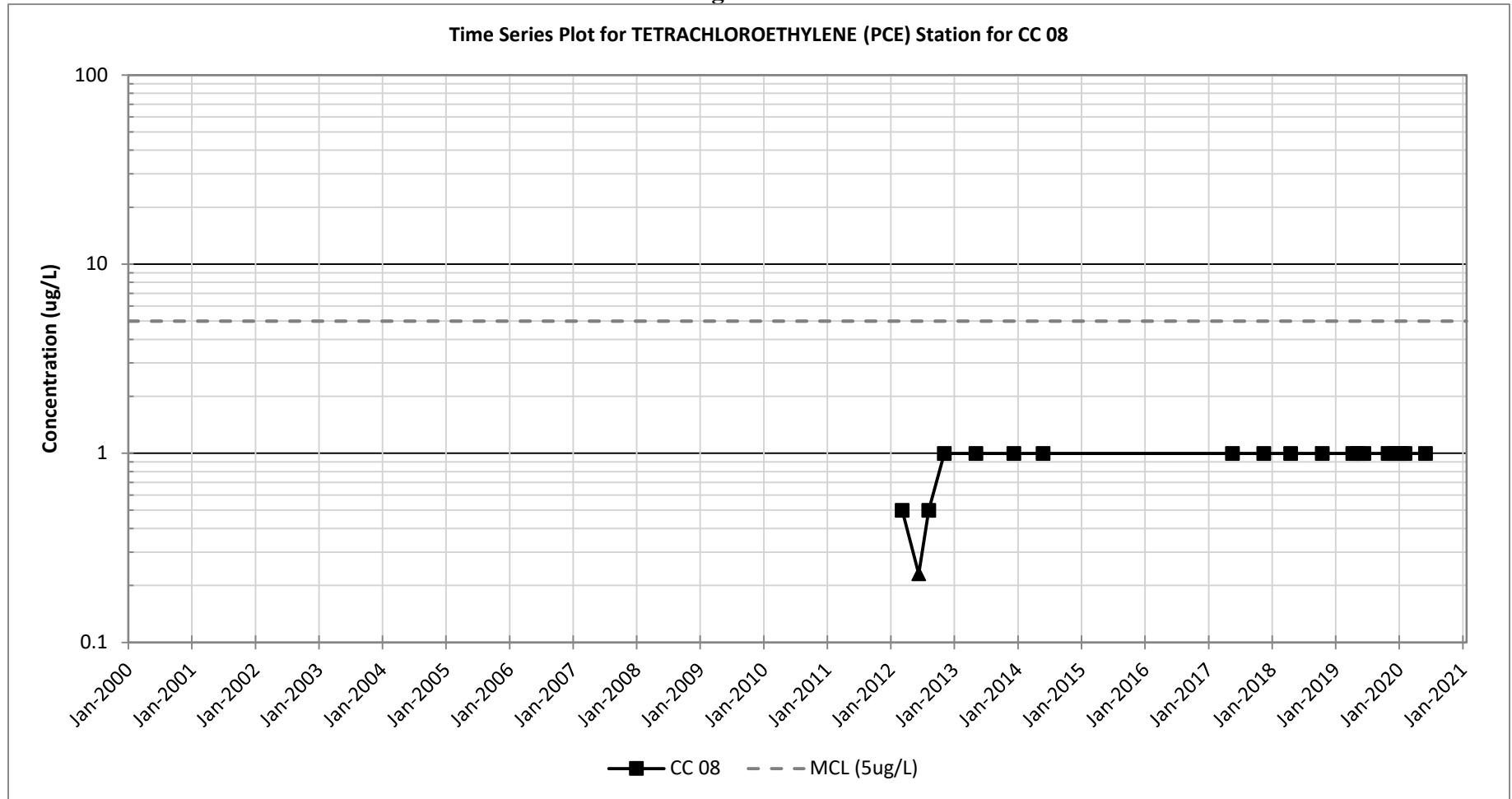


Figure C-58.

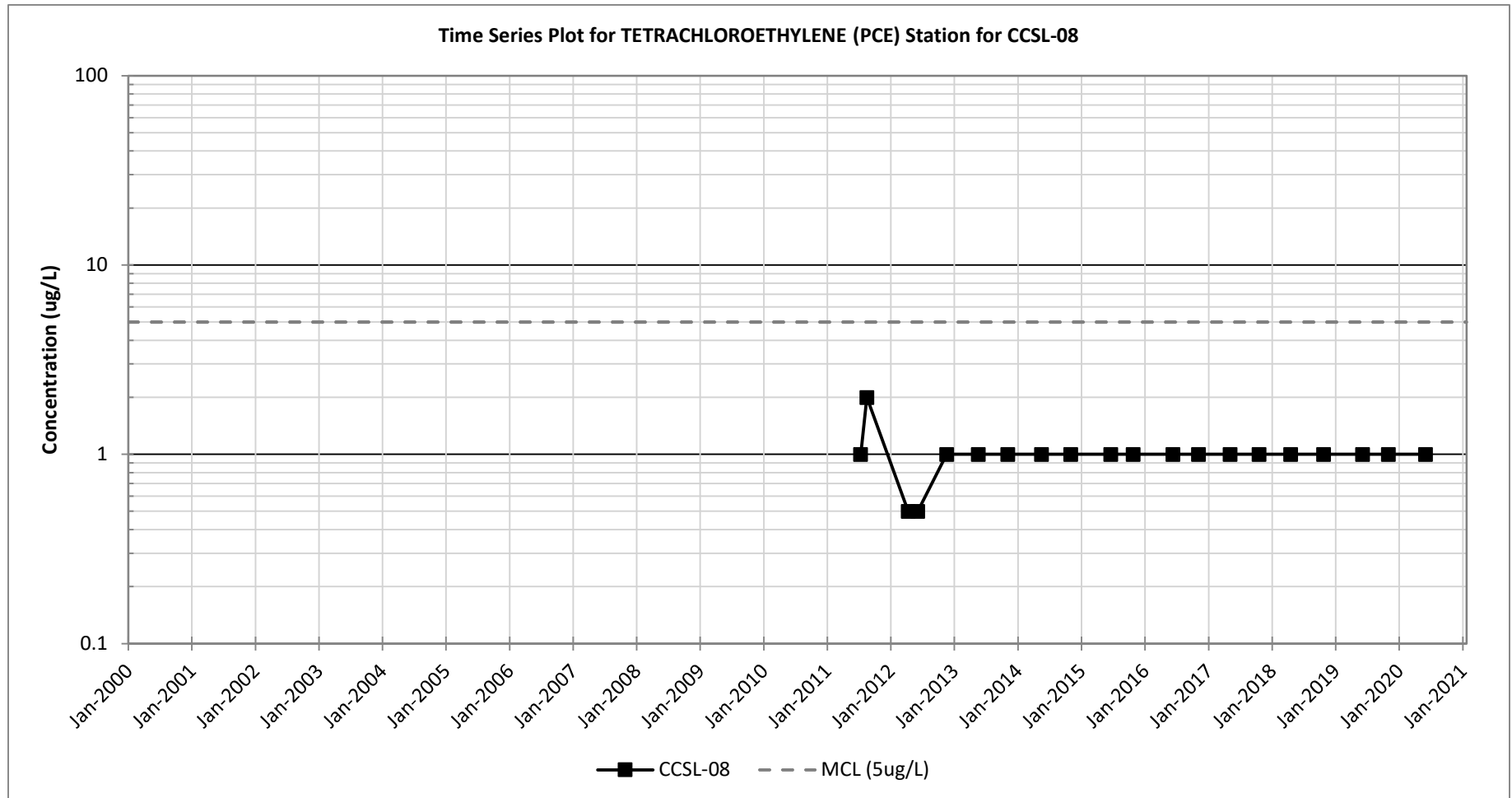


Figure C-59.

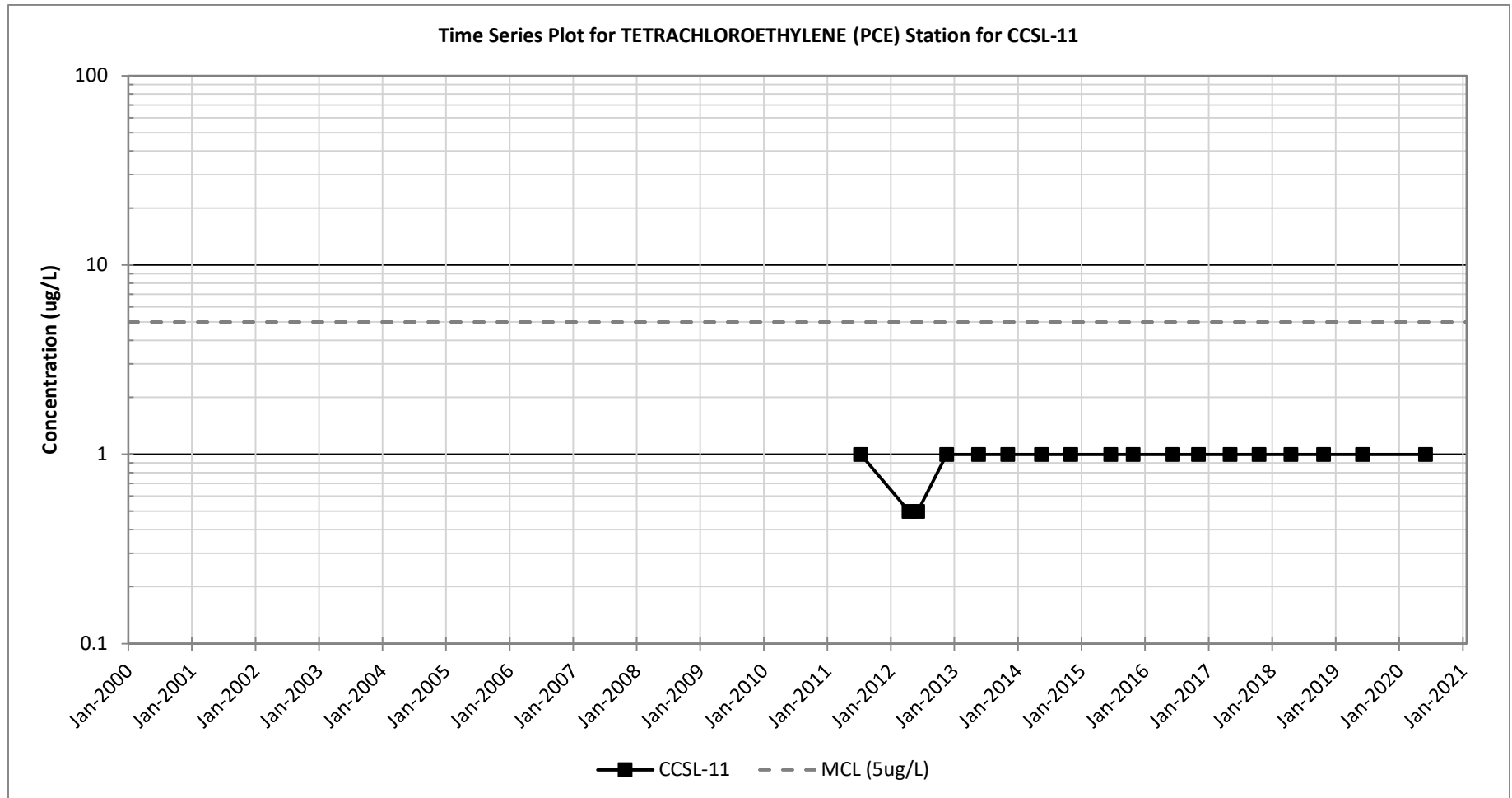


Figure C-60.

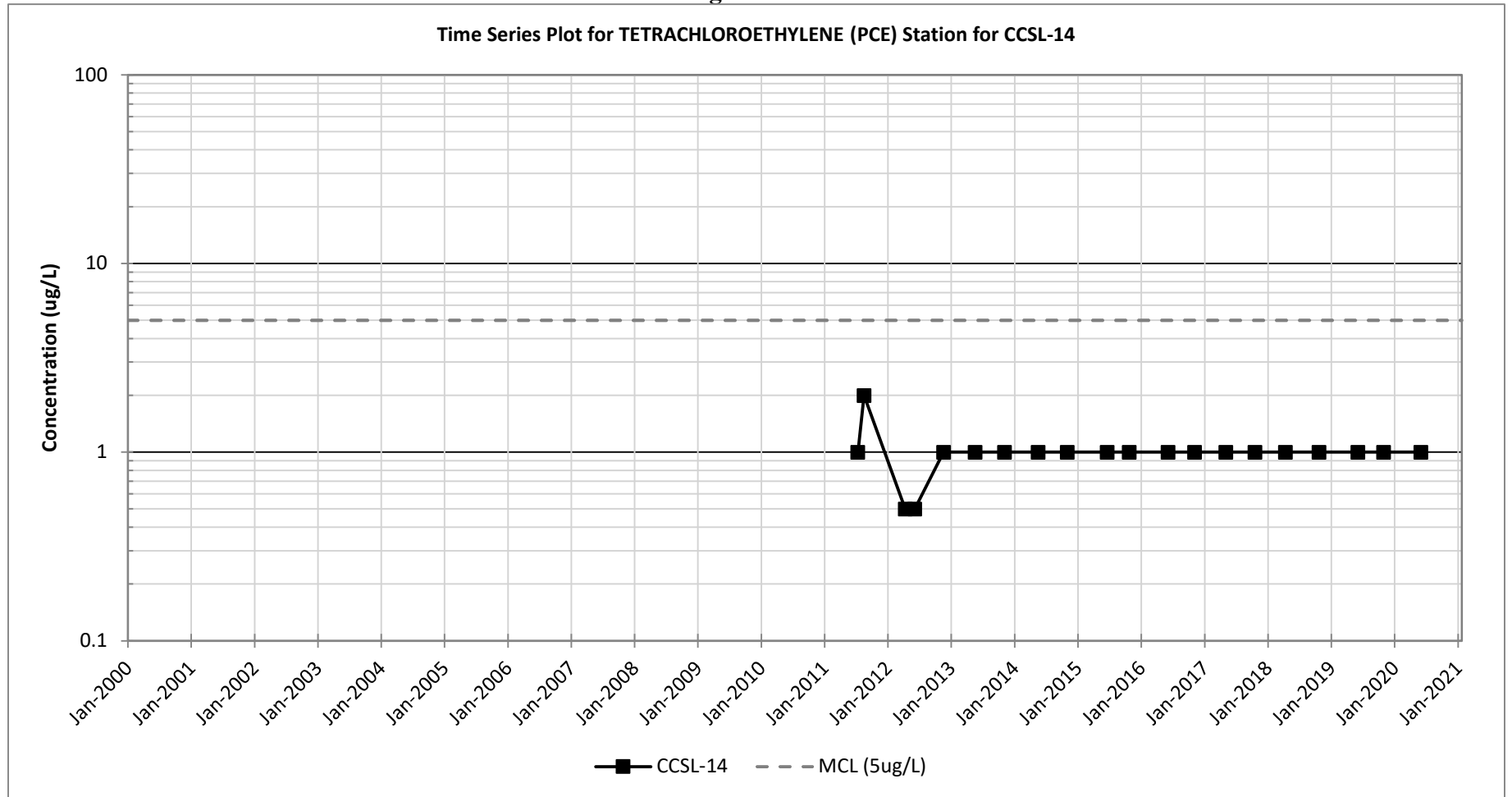


Figure C-61.

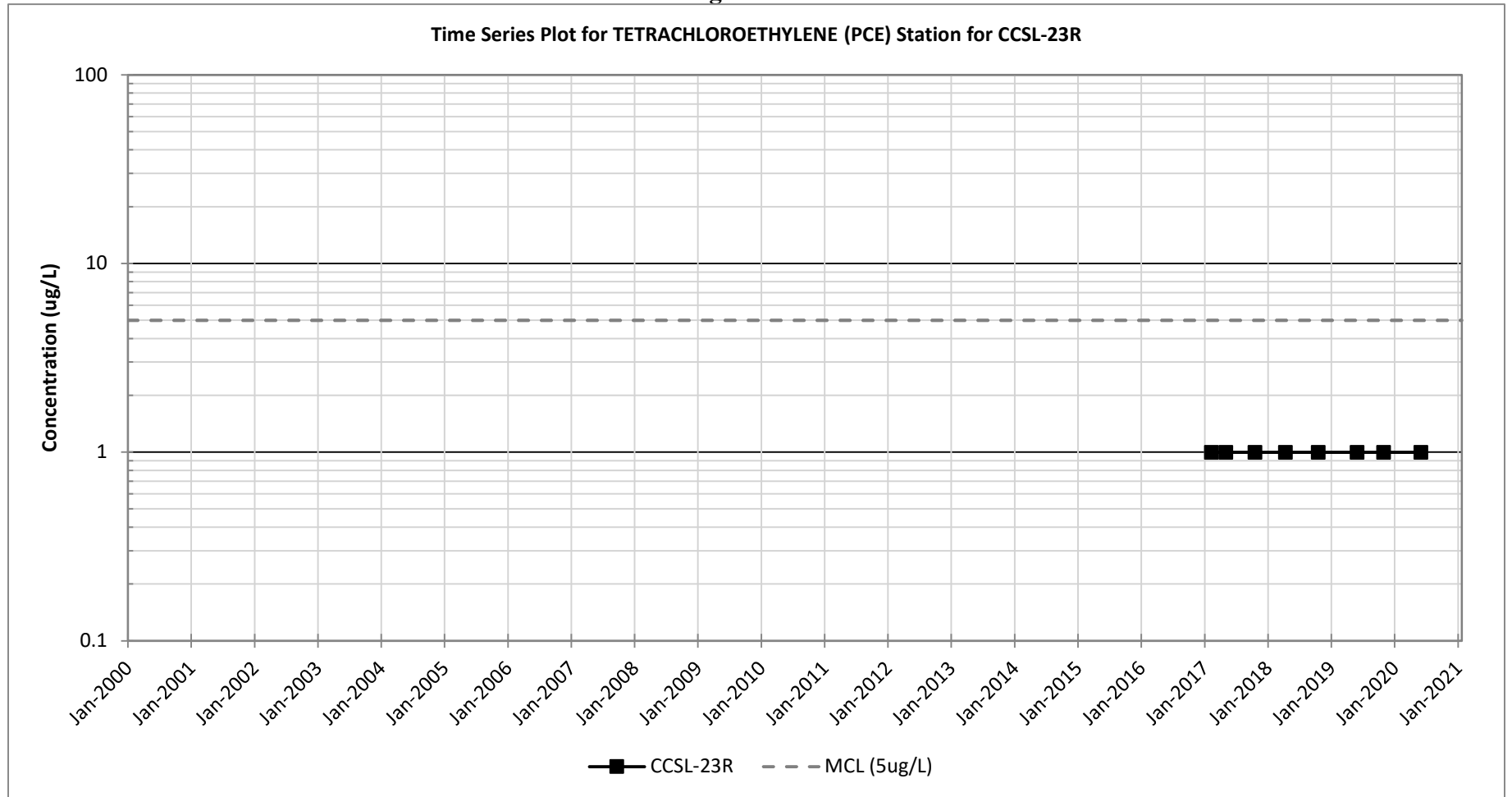


Figure C-62.

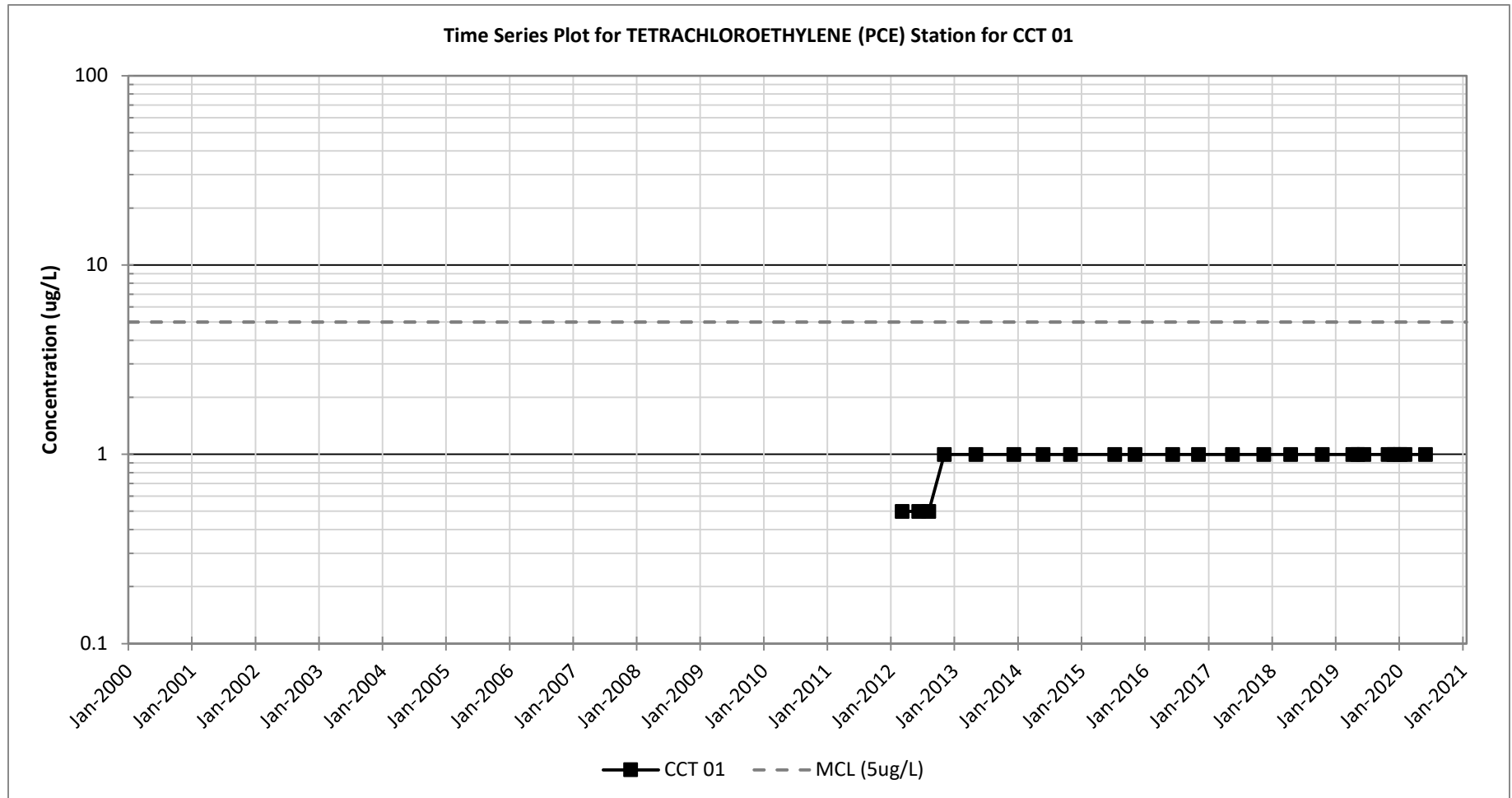


Figure C-63.

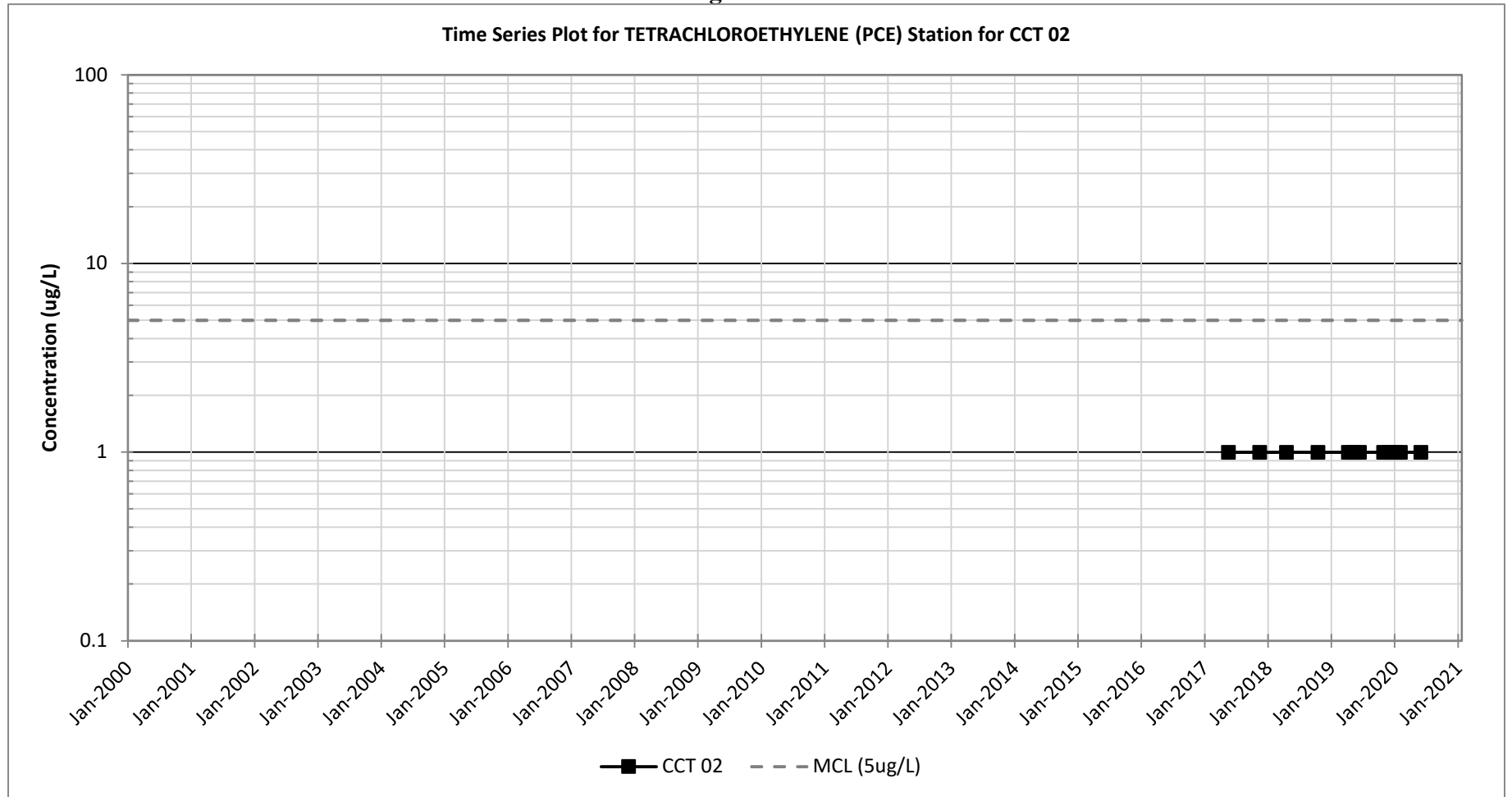


Figure C-64.

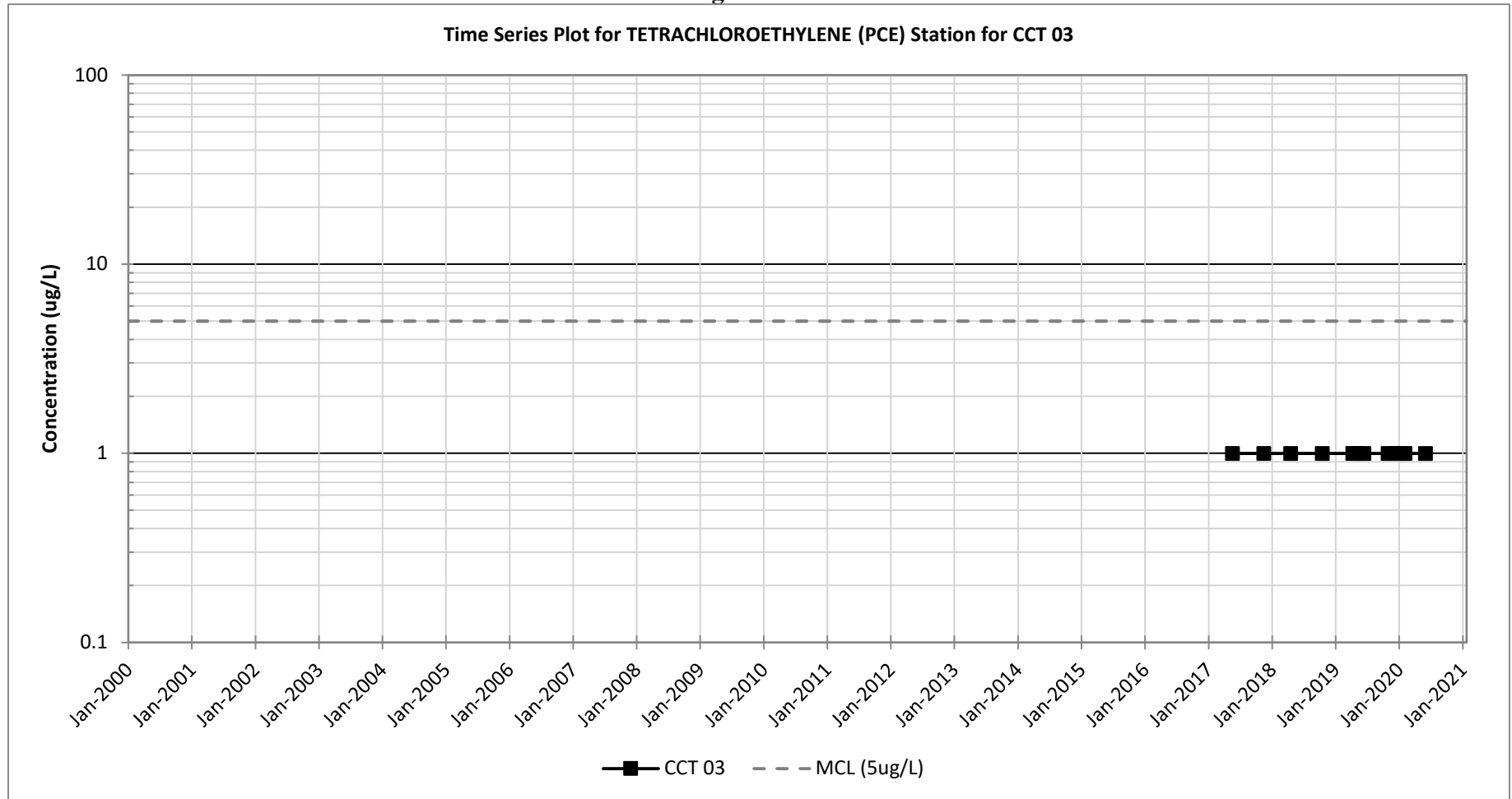


Figure C-65.

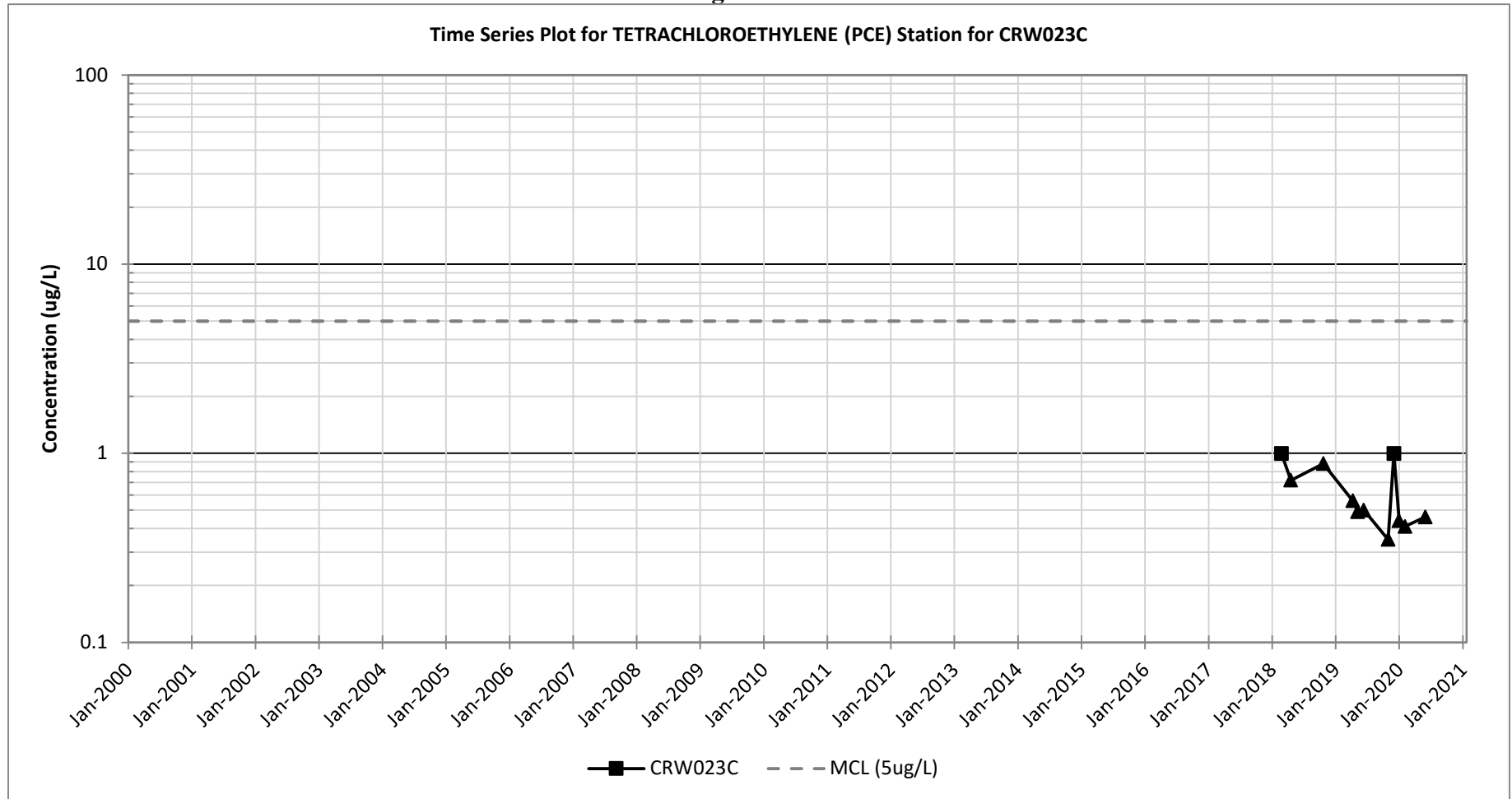


Figure C-66.

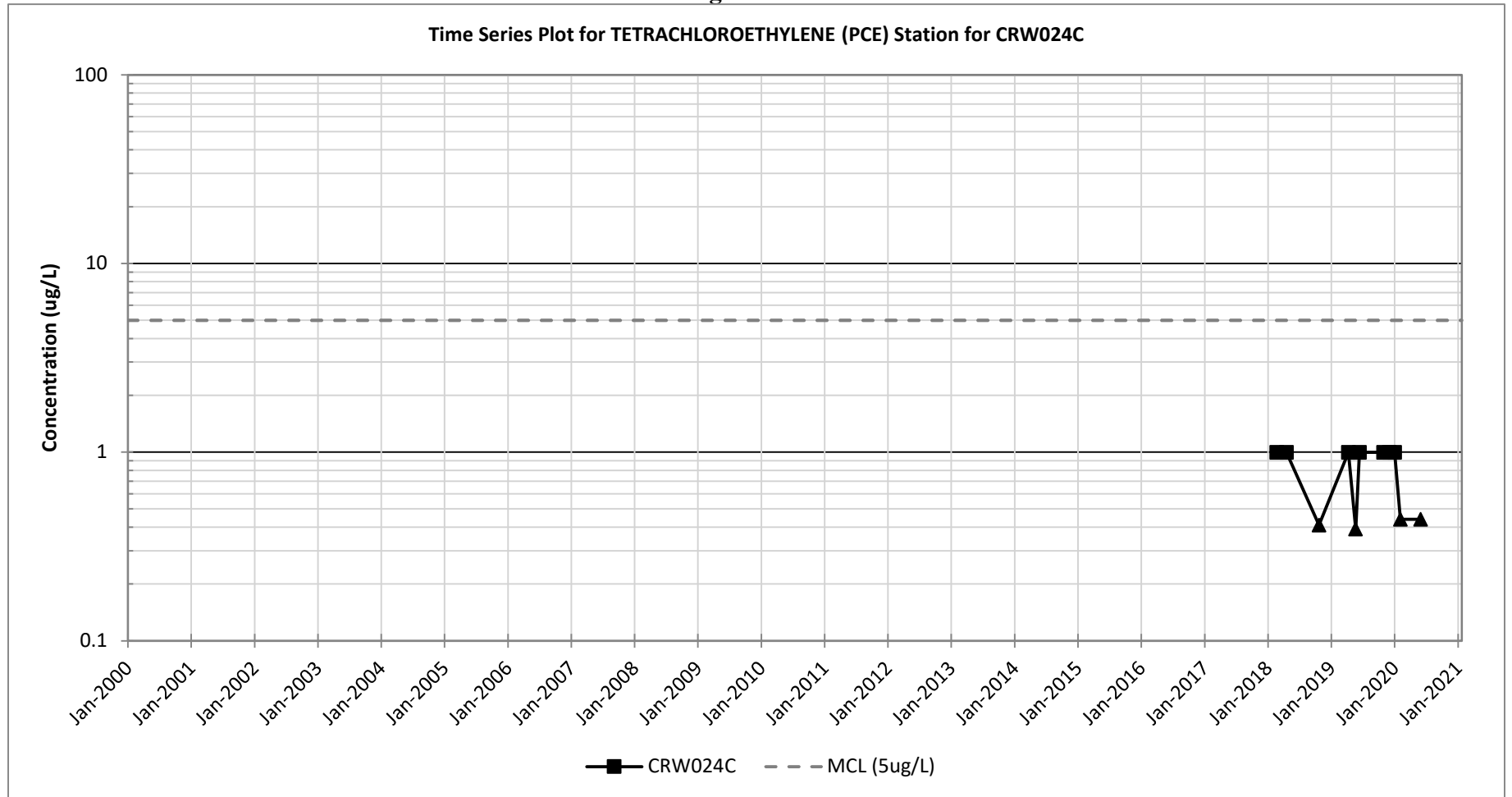


Figure C-67.

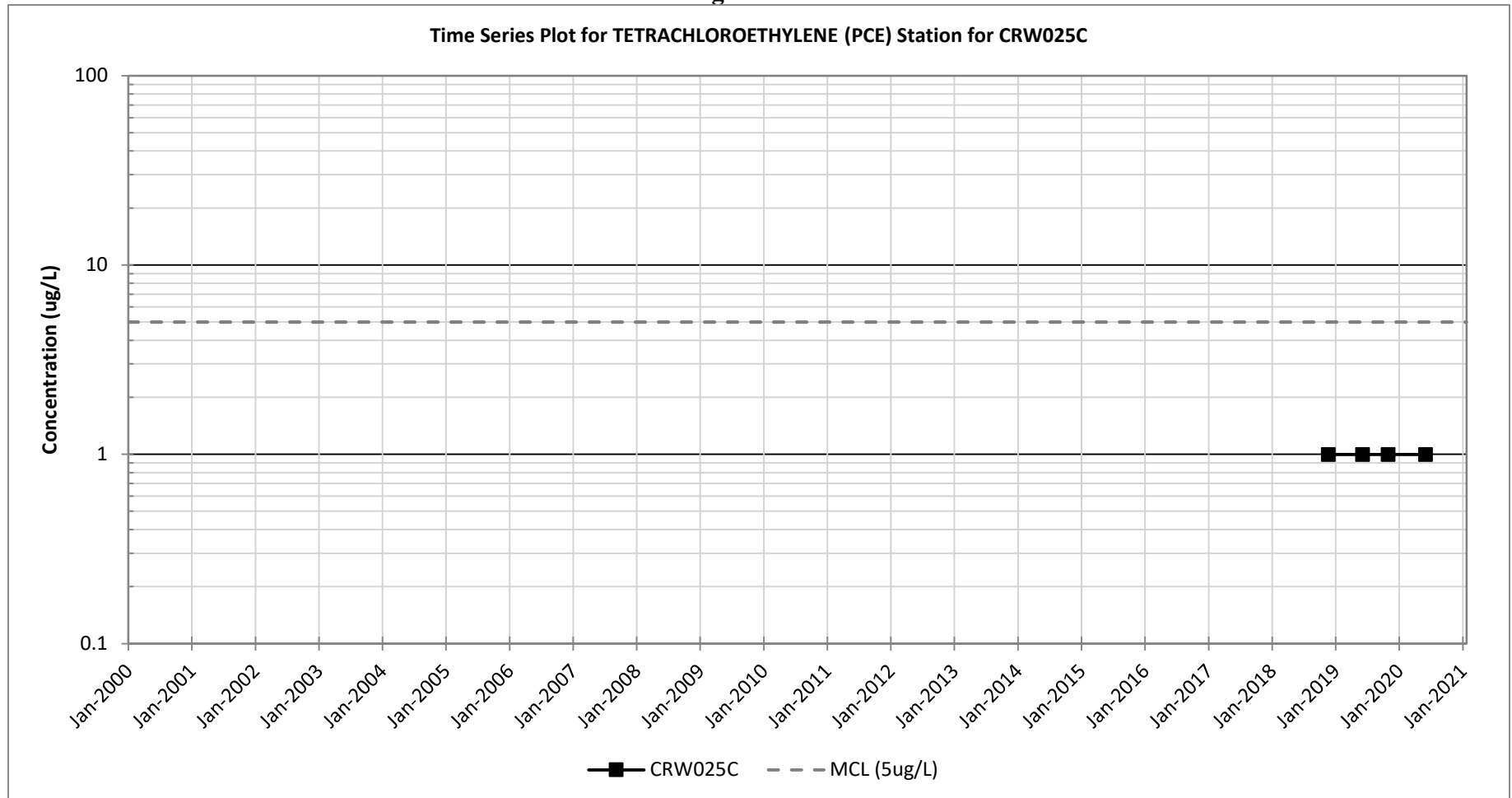


Figure C-68.

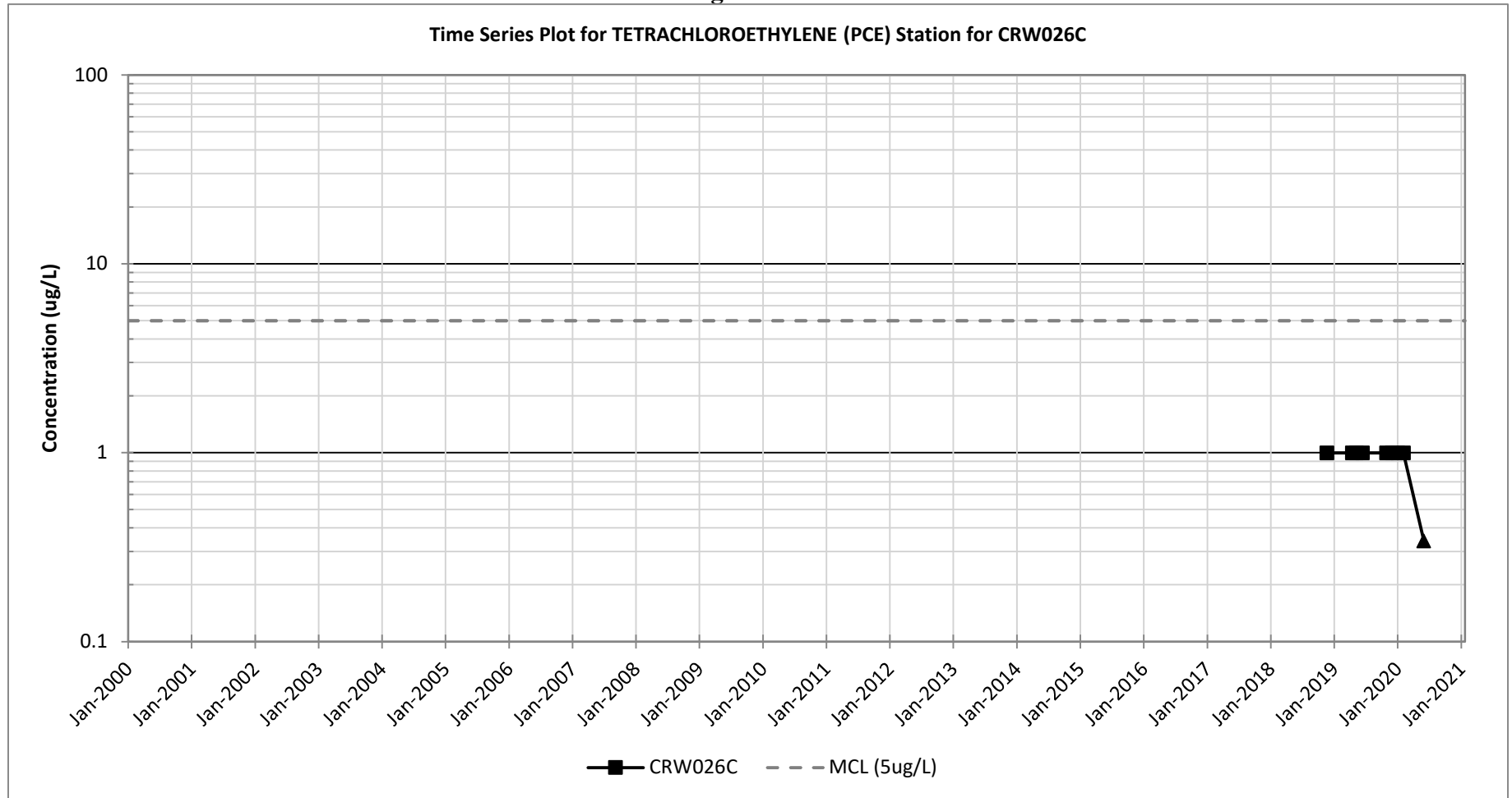


Figure C-69.

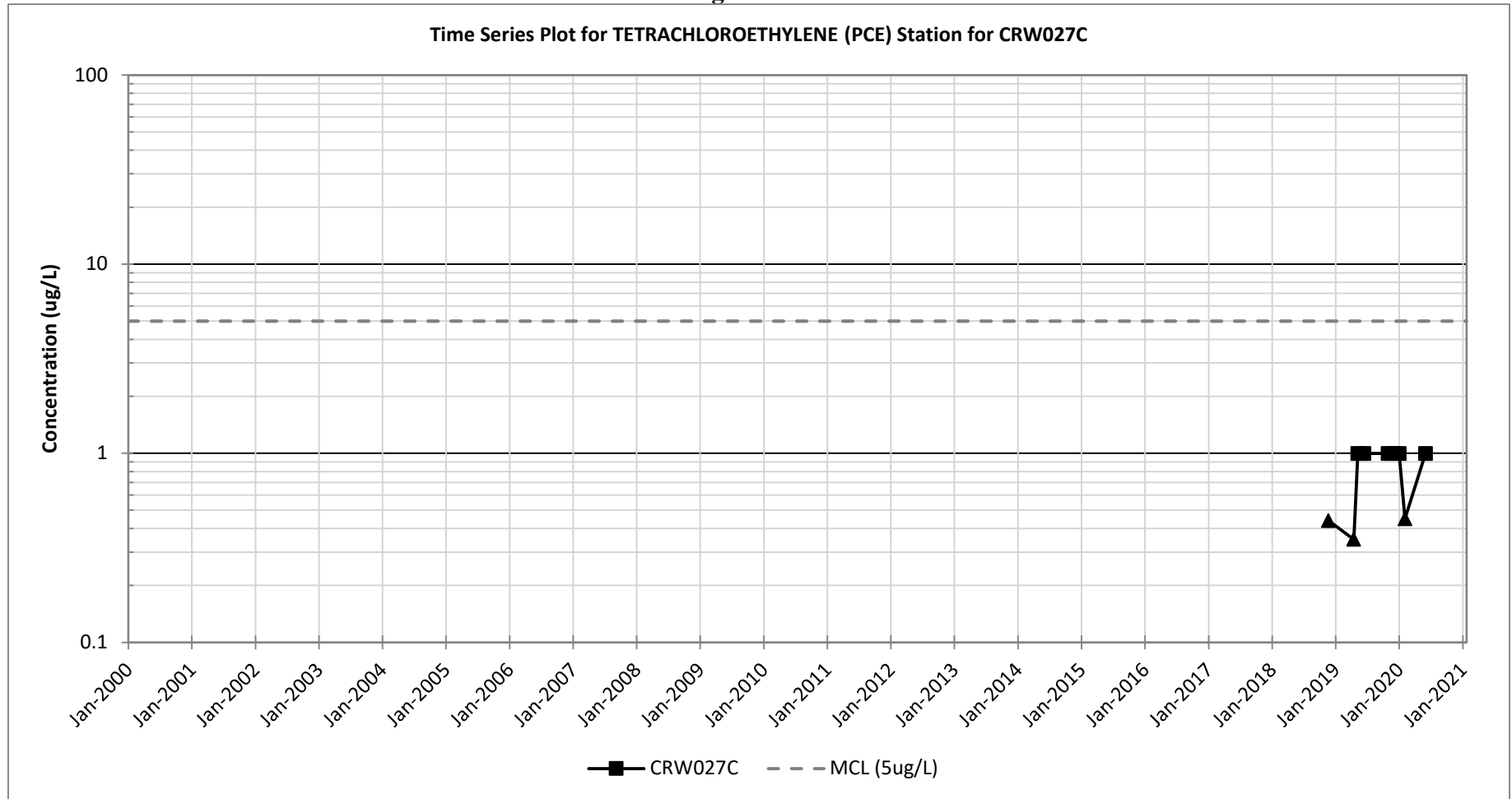


Figure C-70.

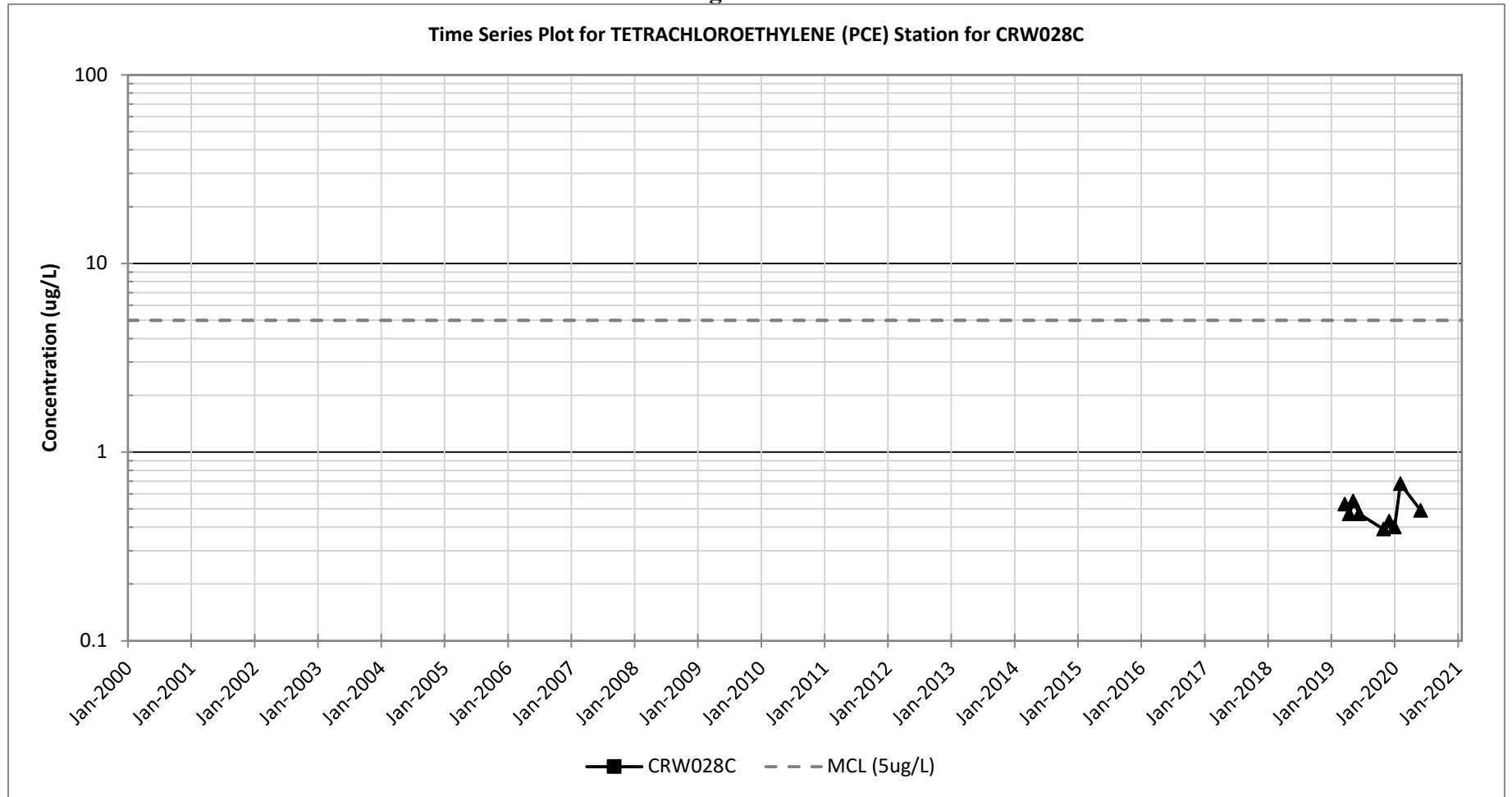


Figure C-71.

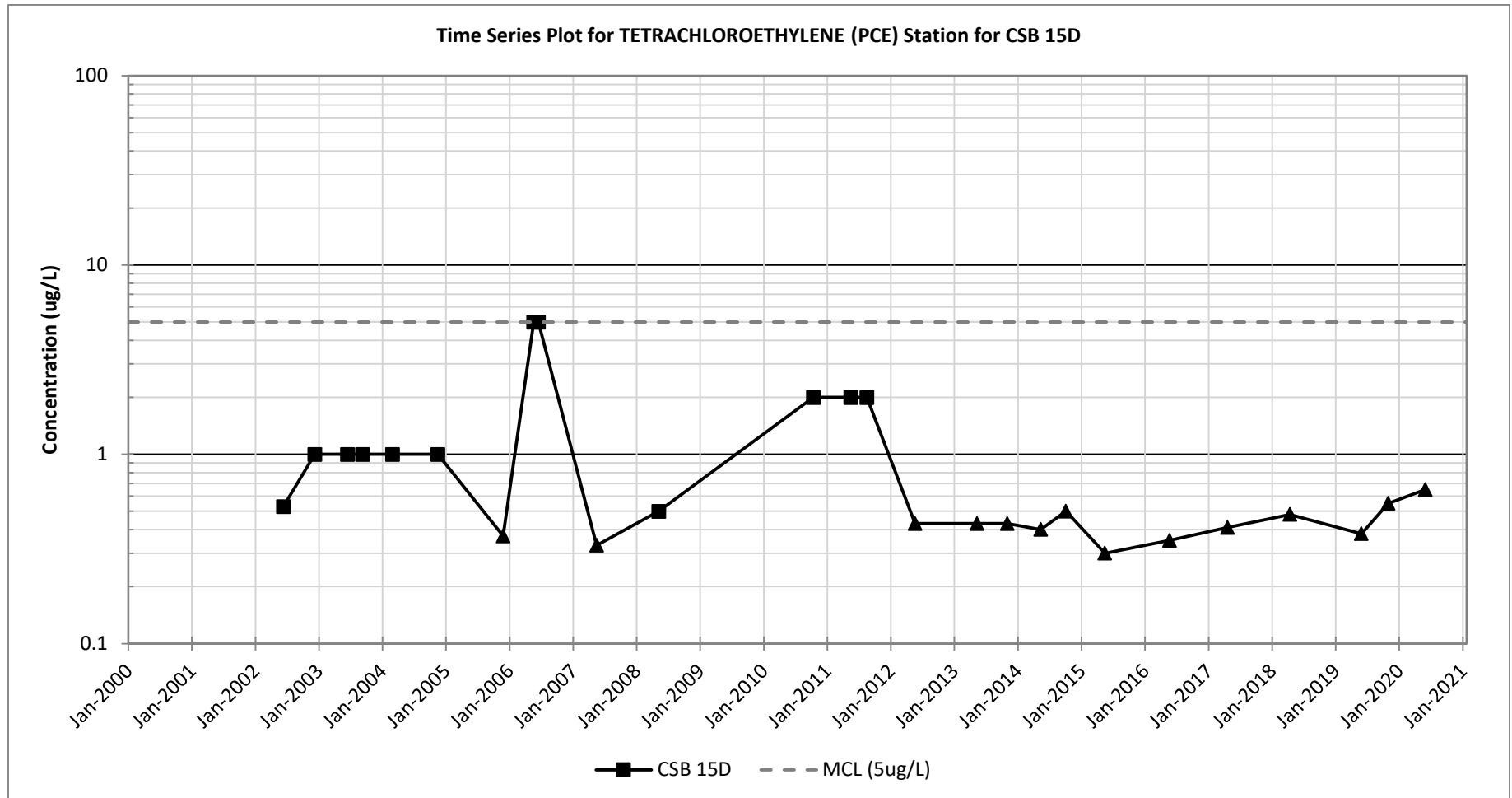


Figure C-72.

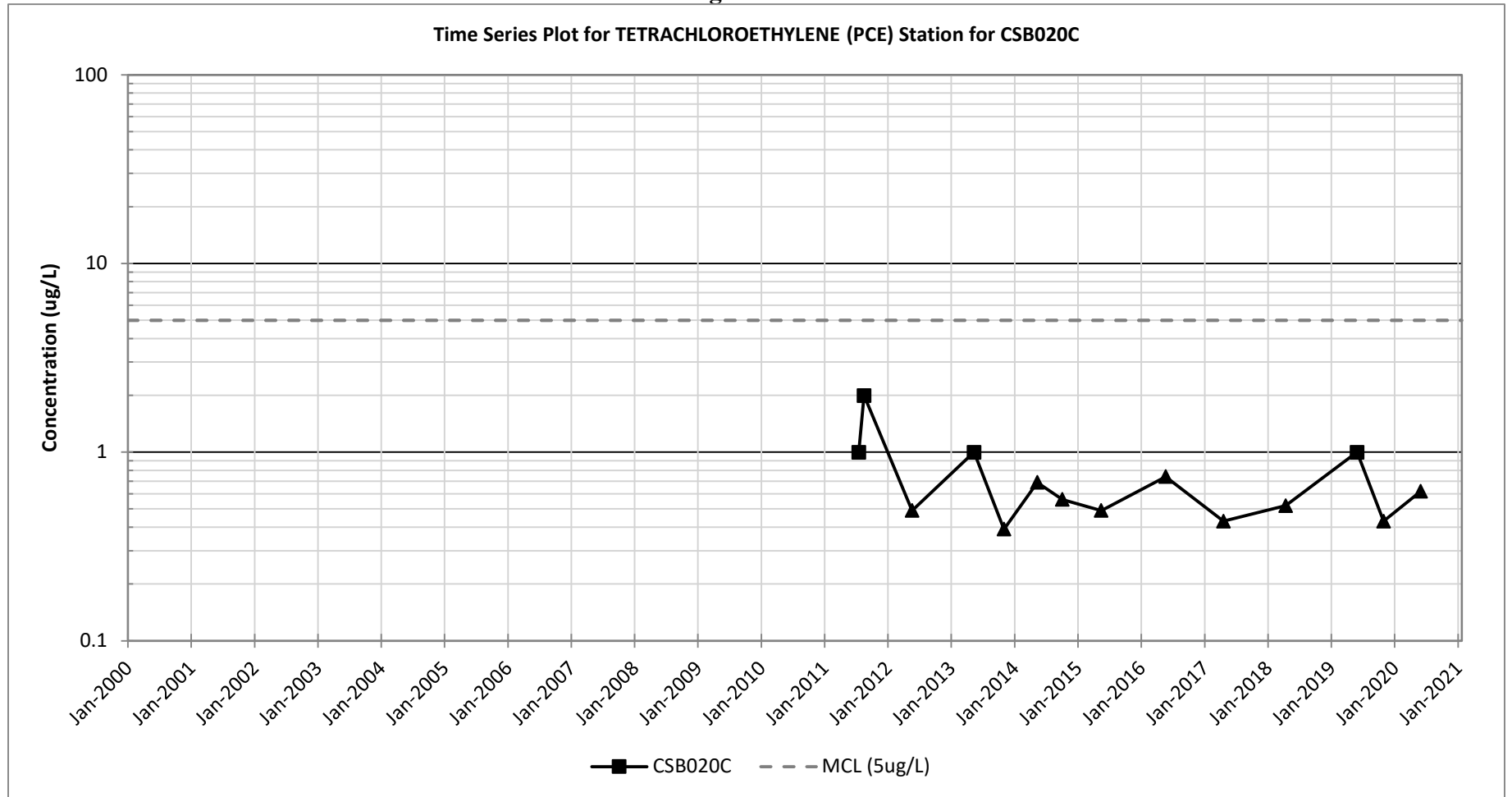


Figure C-73.

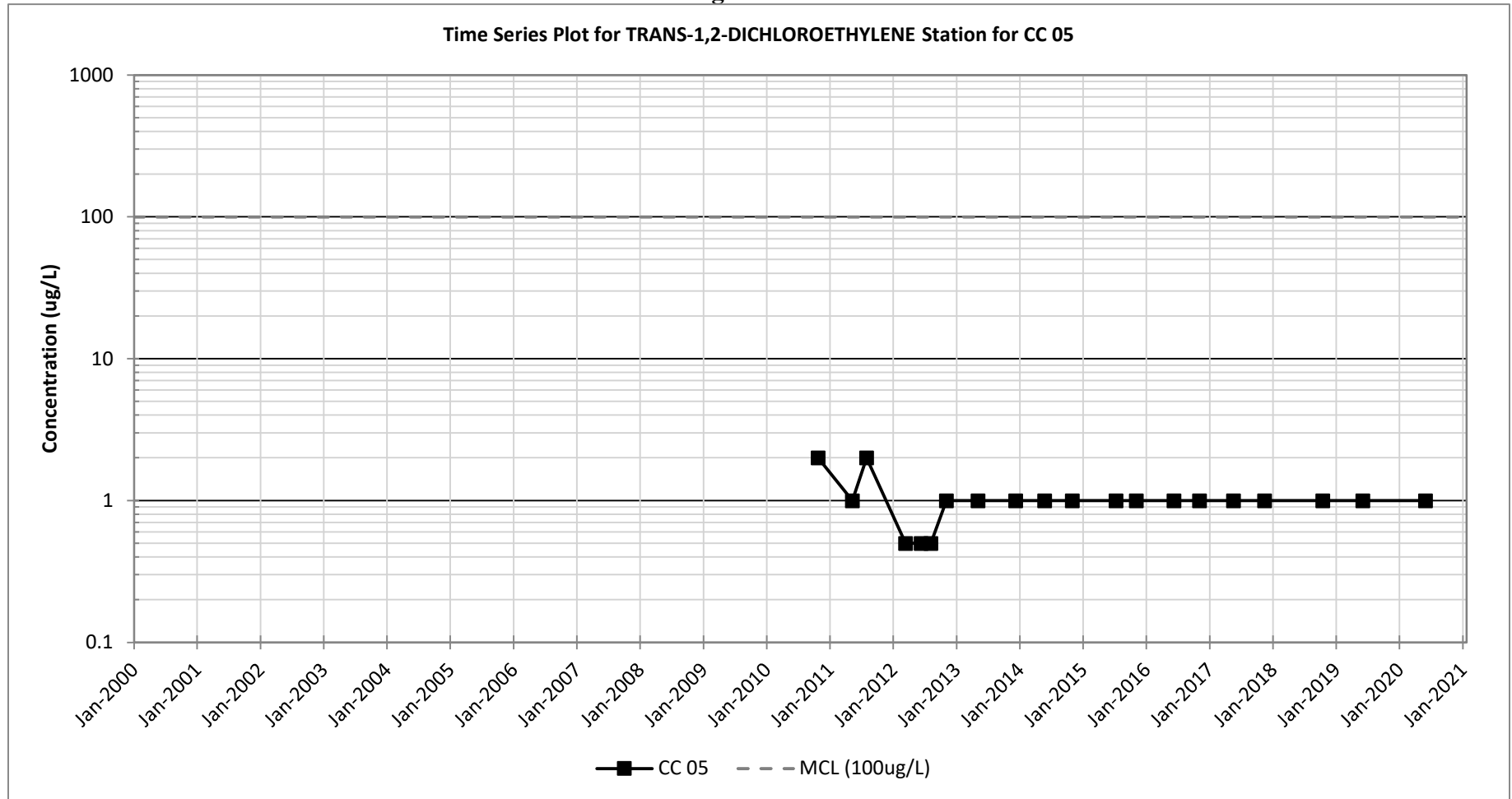


Figure C-74.

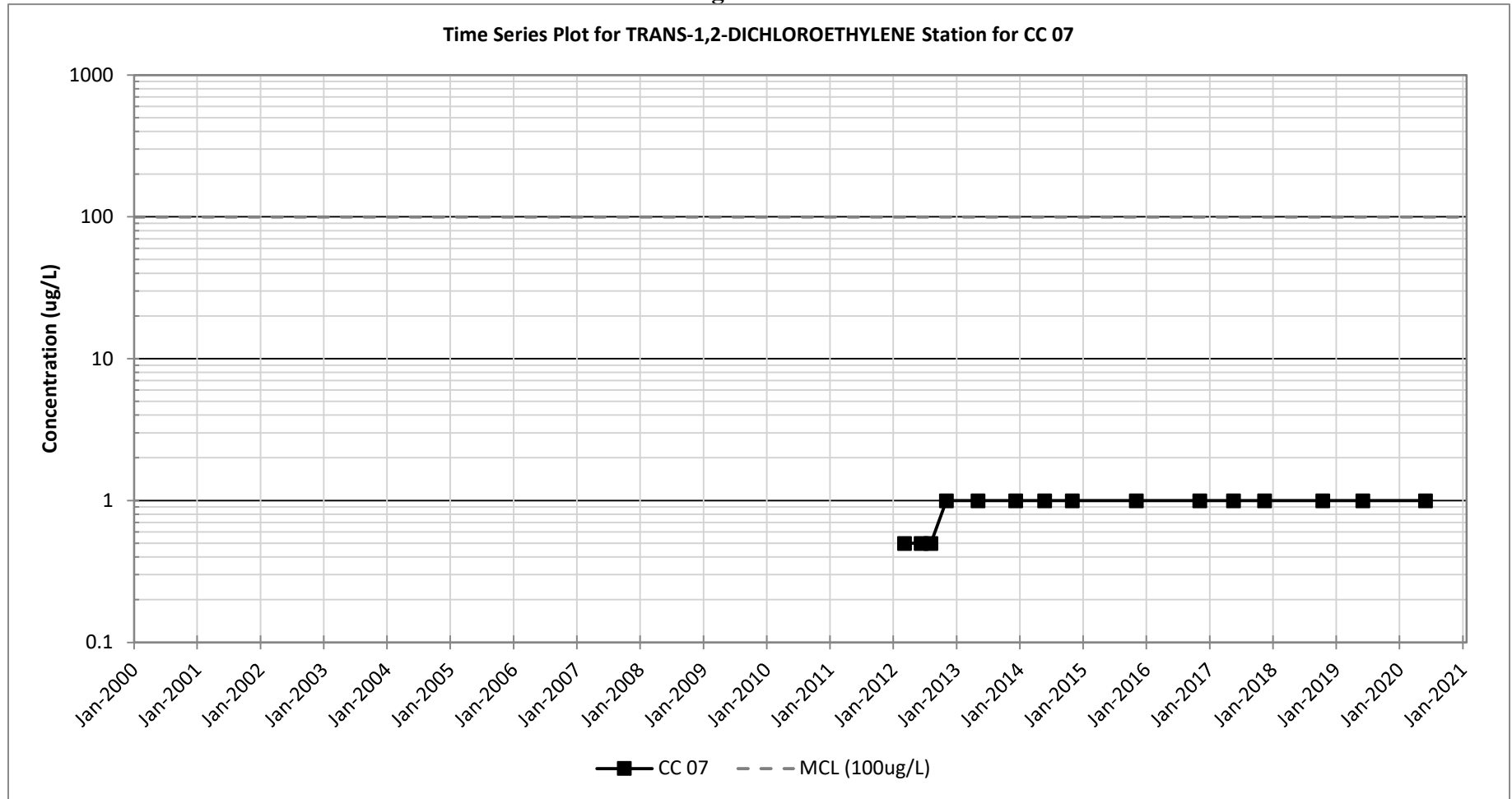


Figure C-75.

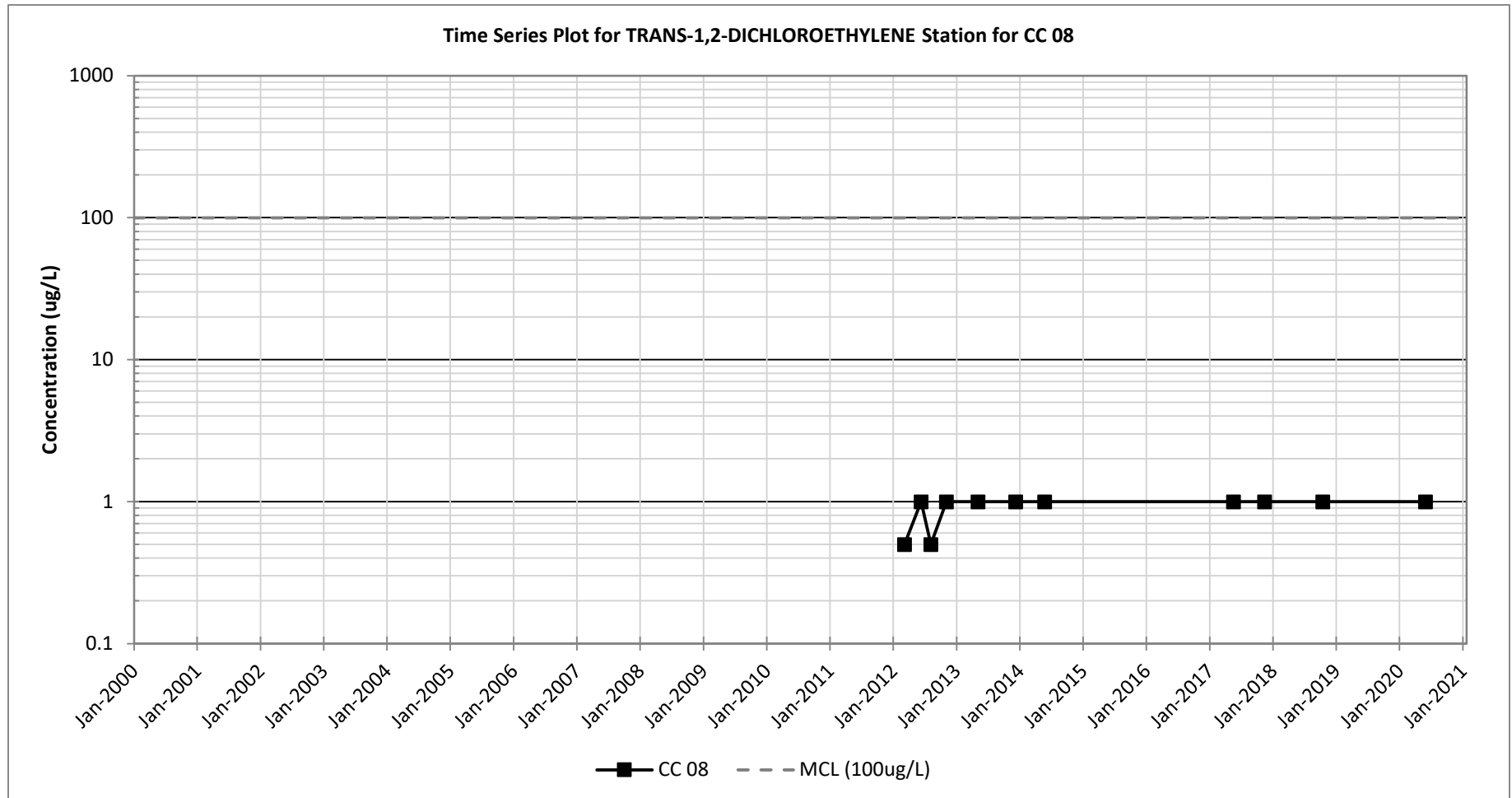


Figure C-76.

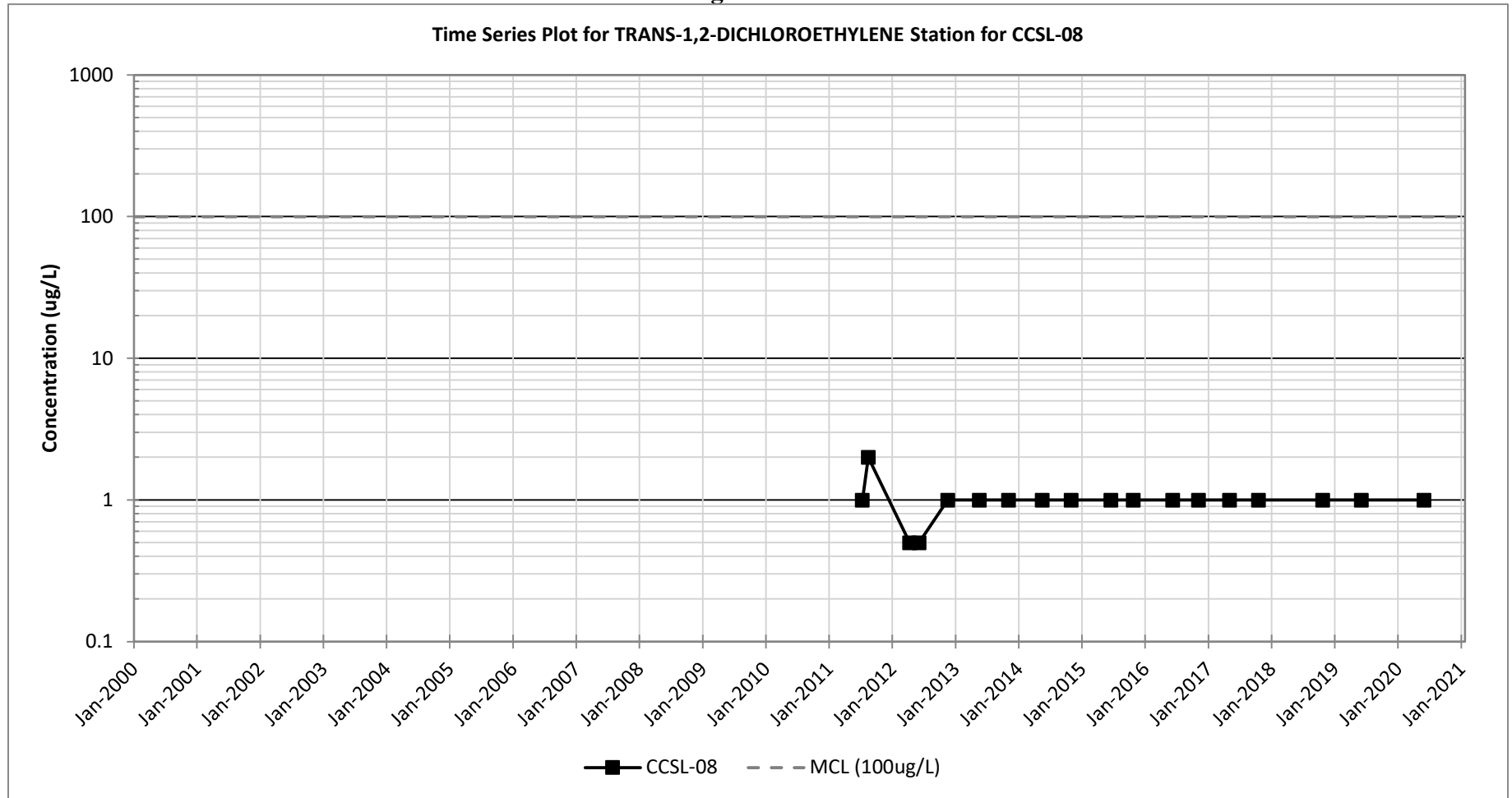


Figure C-77.

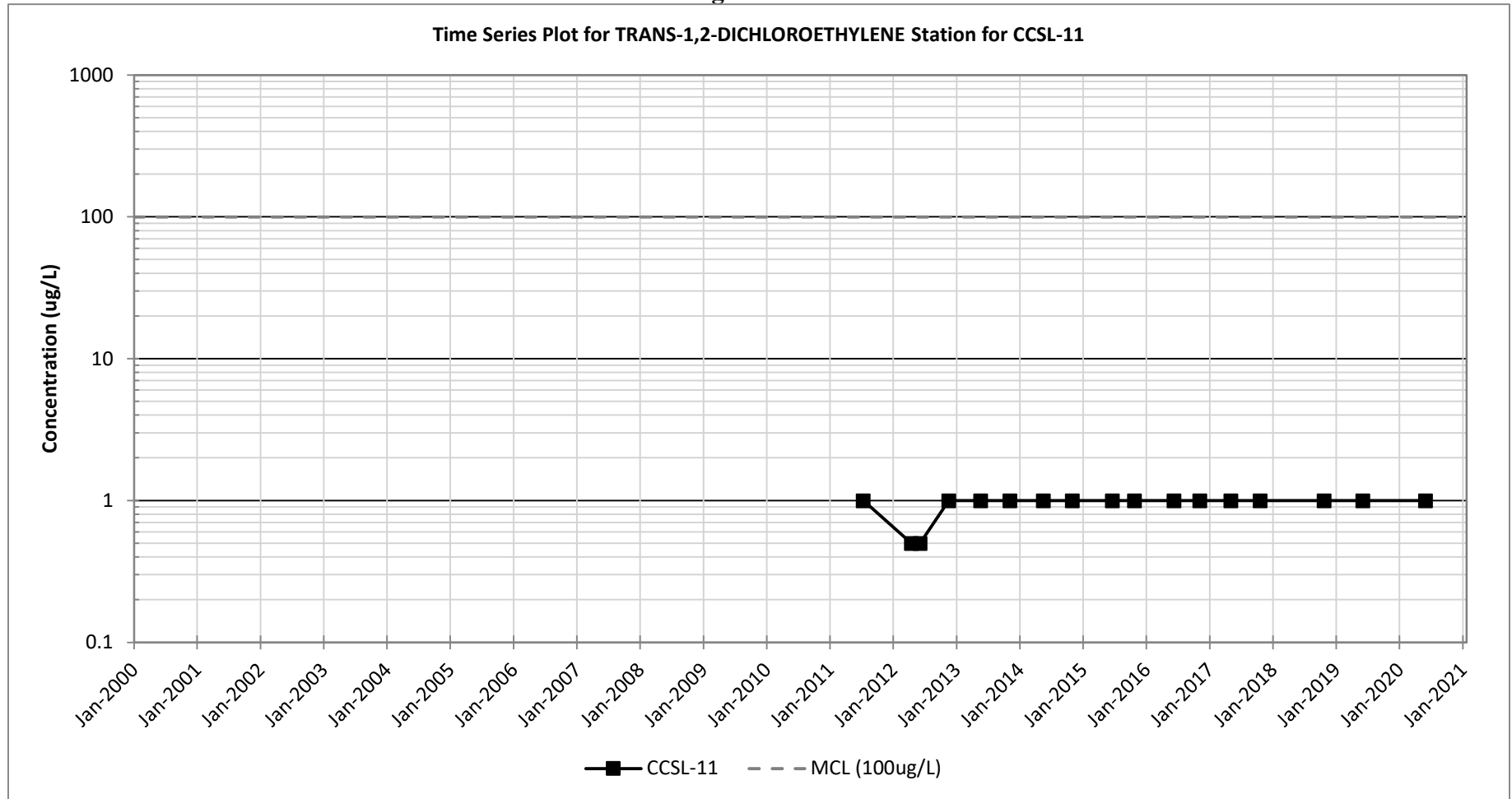


Figure C-78.

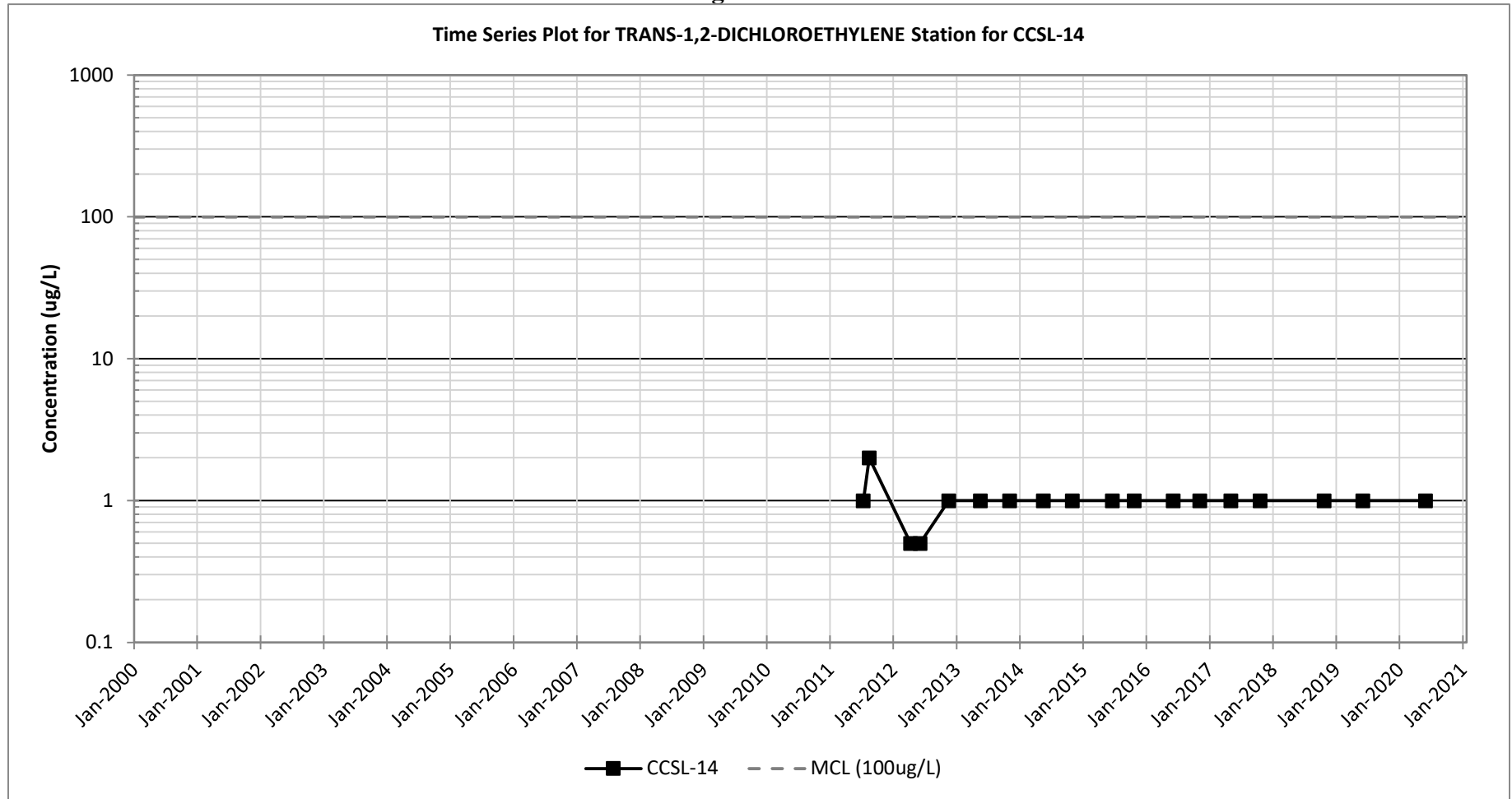


Figure C-79.

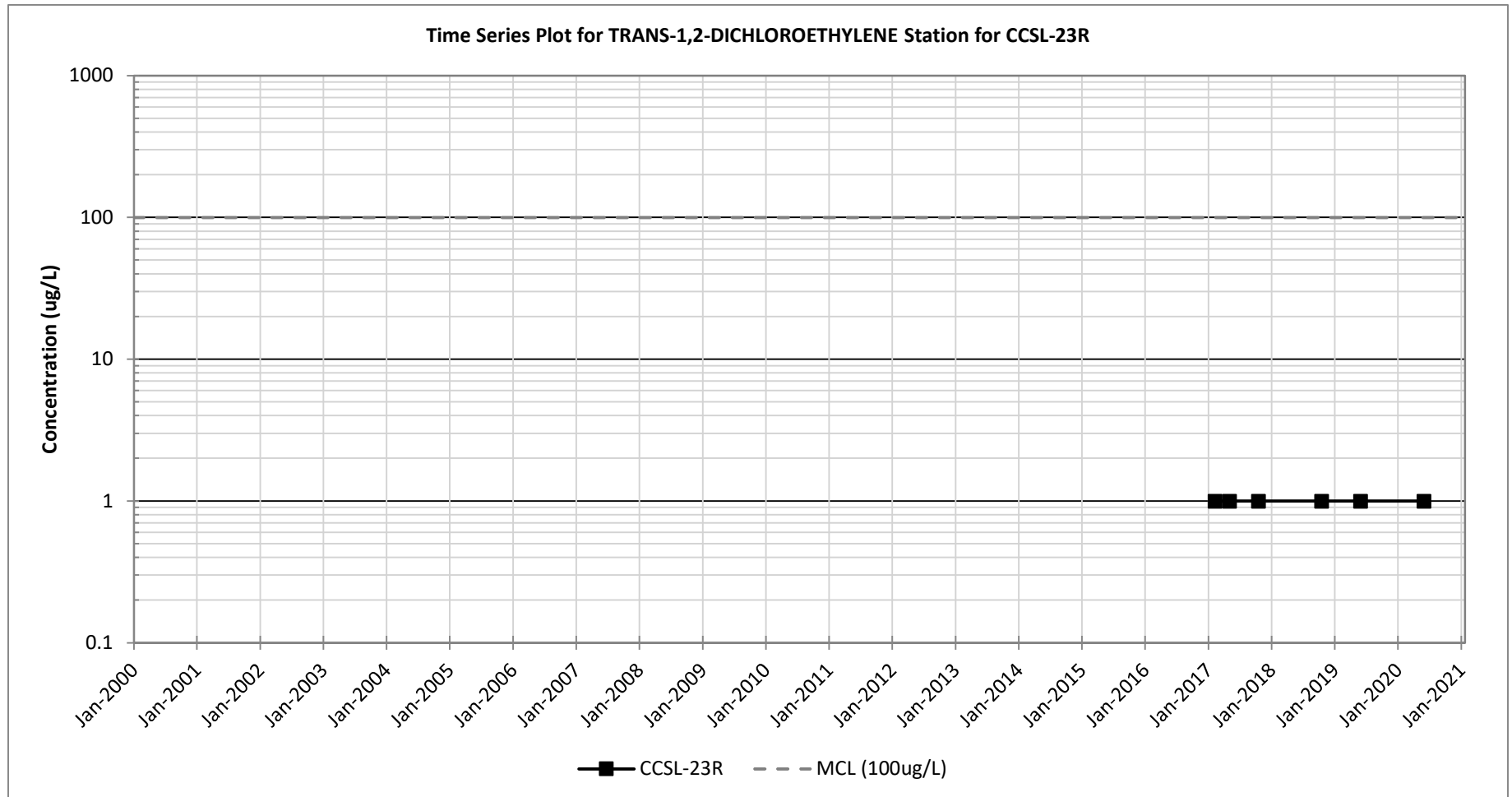


Figure C-80.

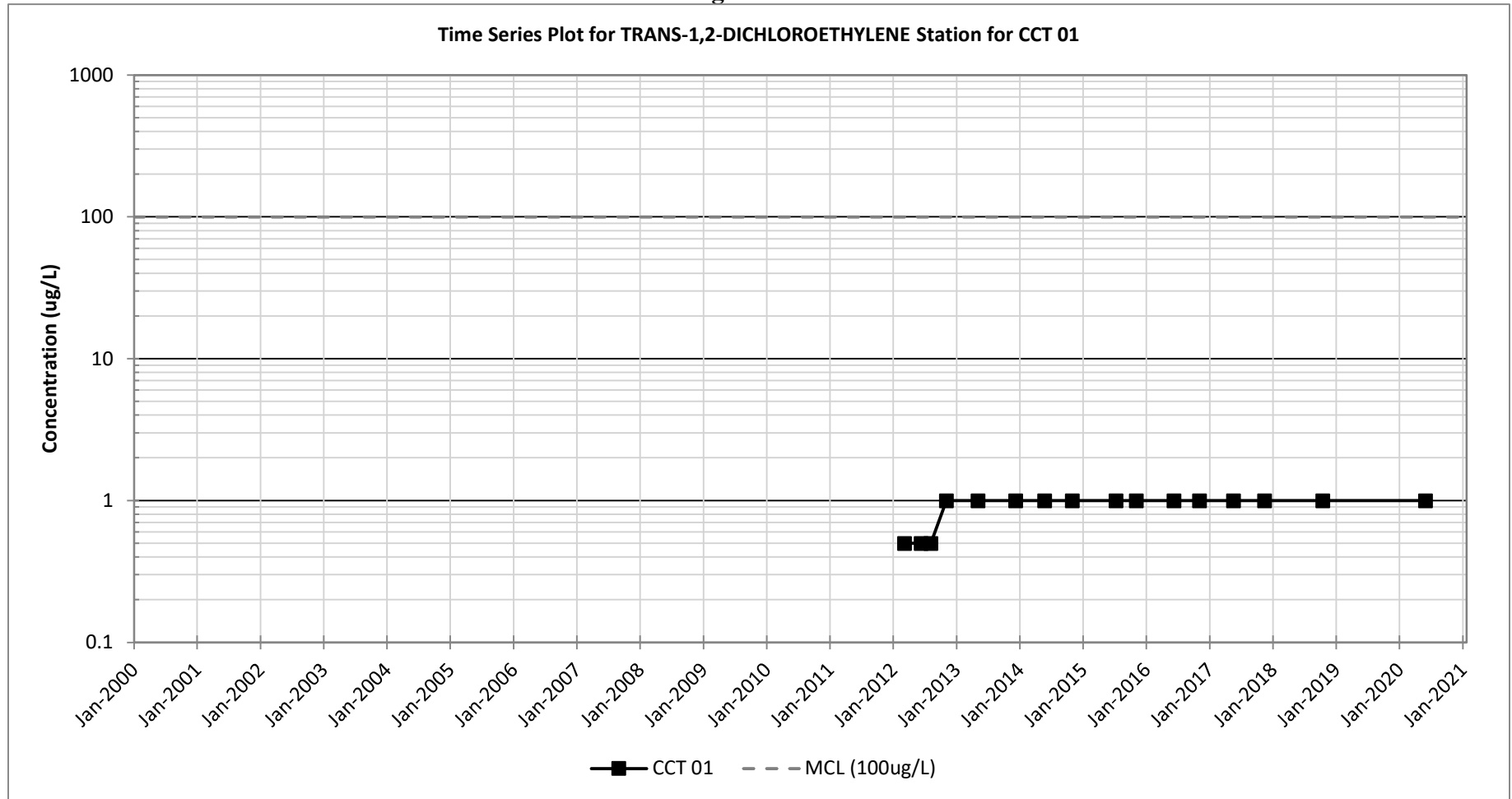


Figure C-81.

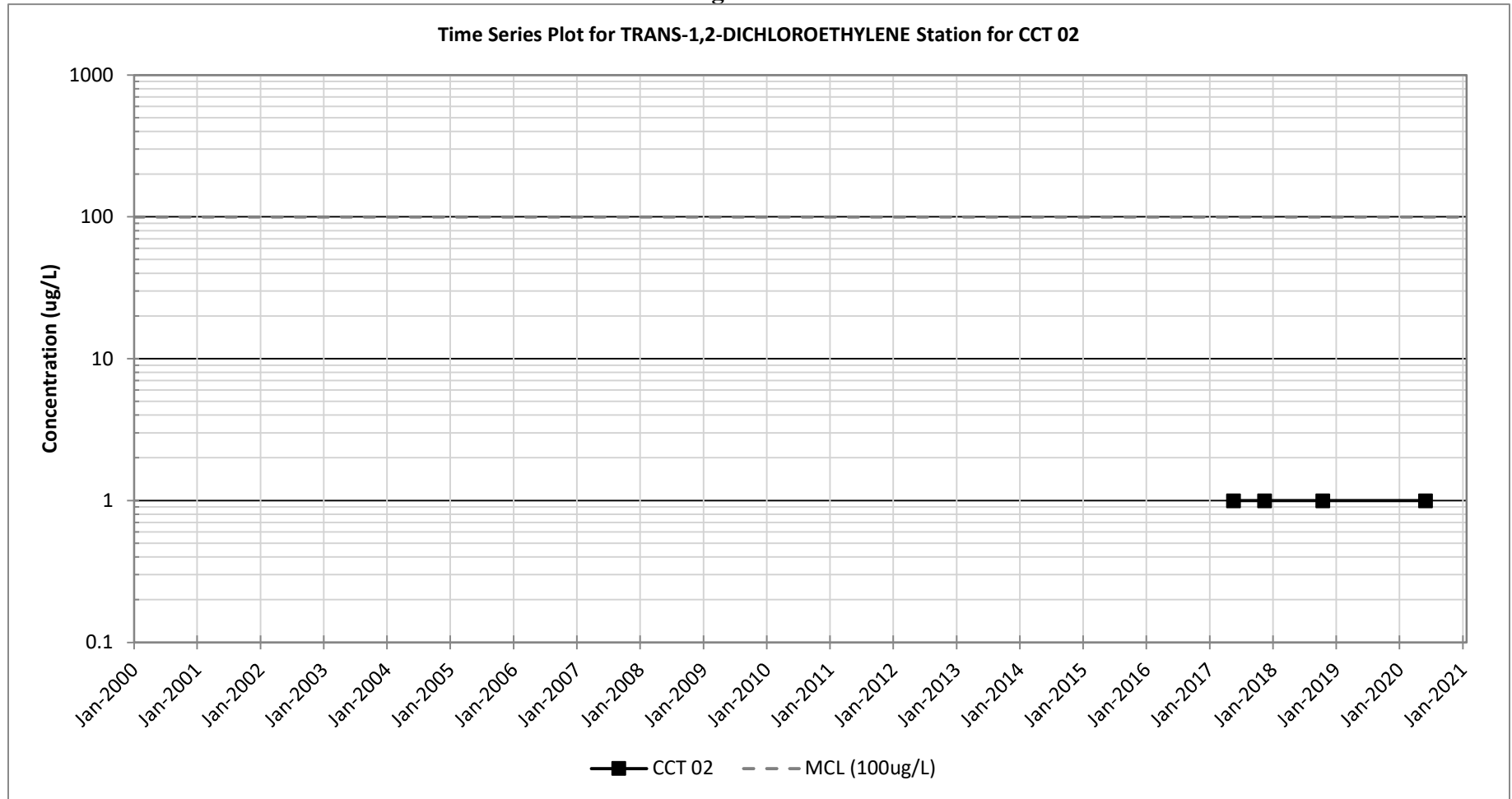


Figure C-82.

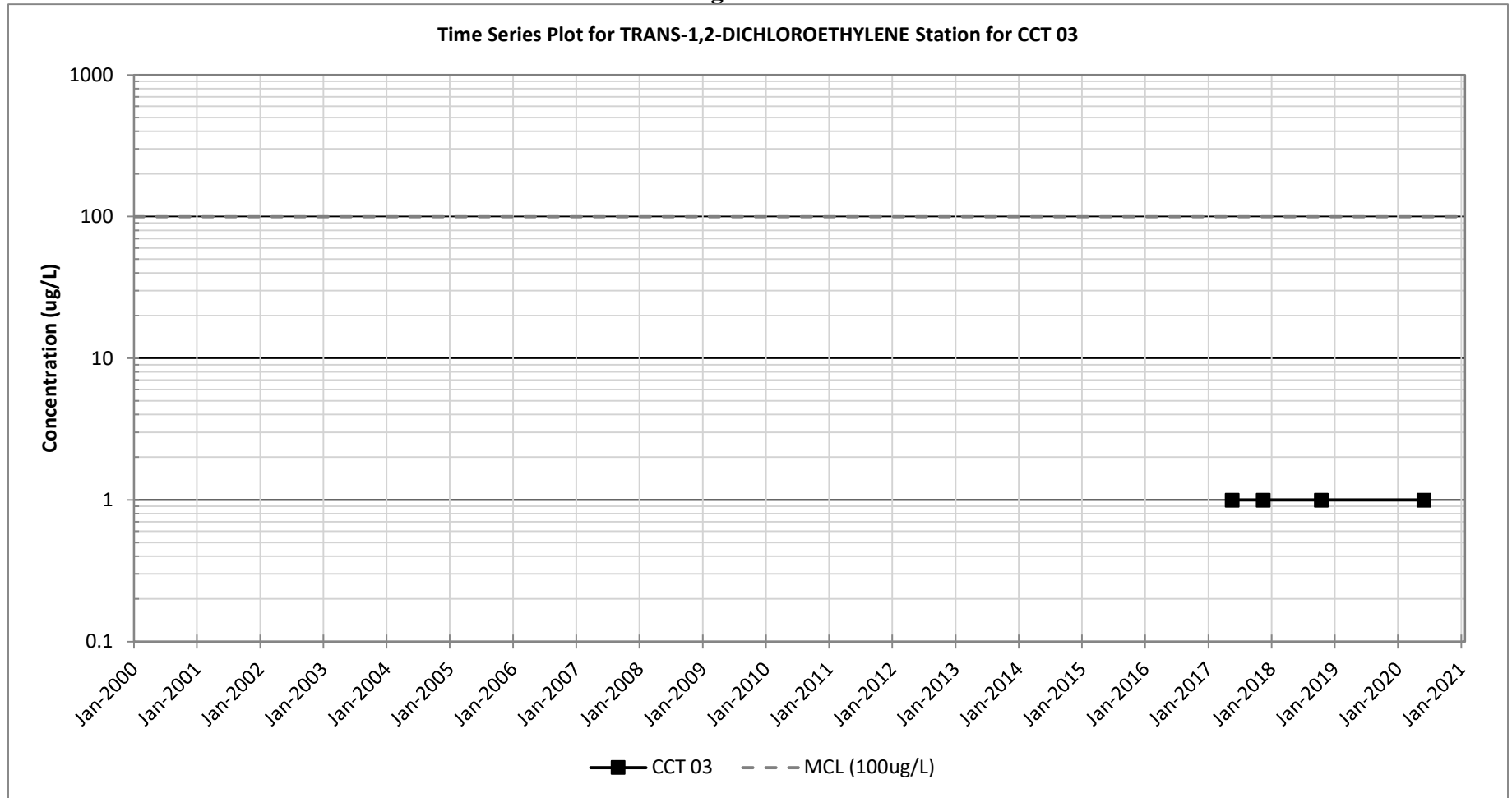


Figure C-83.

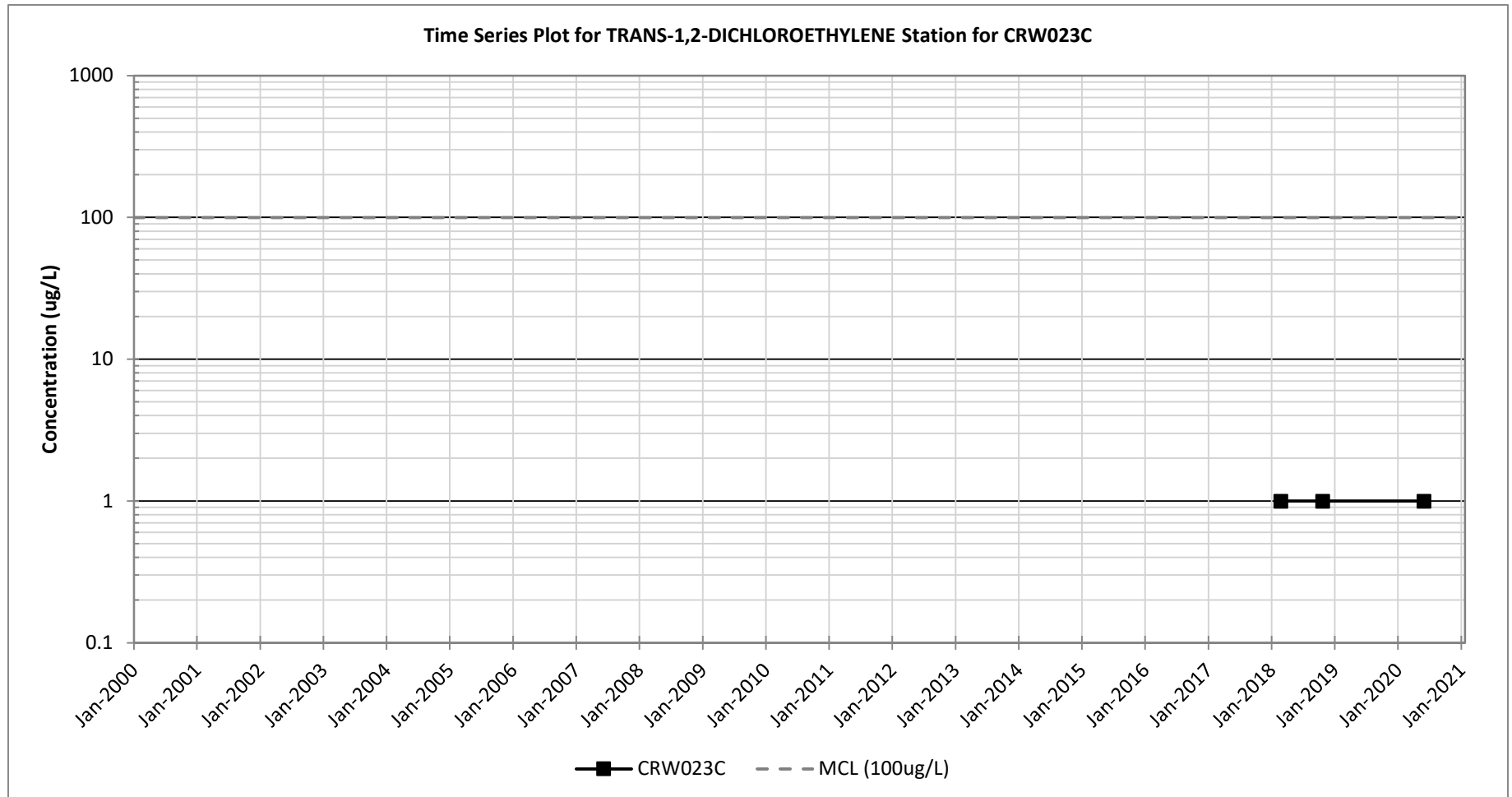


Figure C-84.

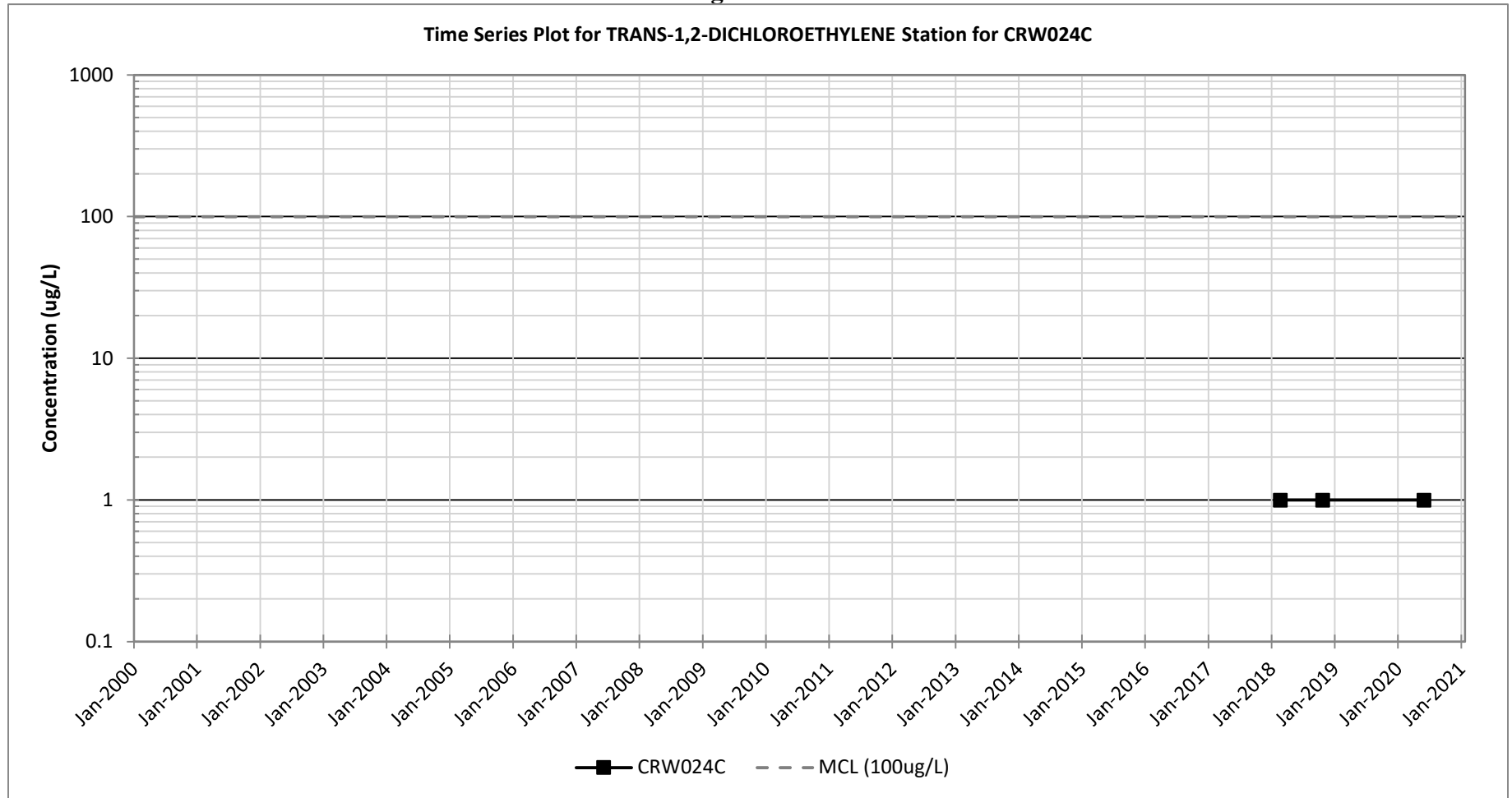


Figure C-85.

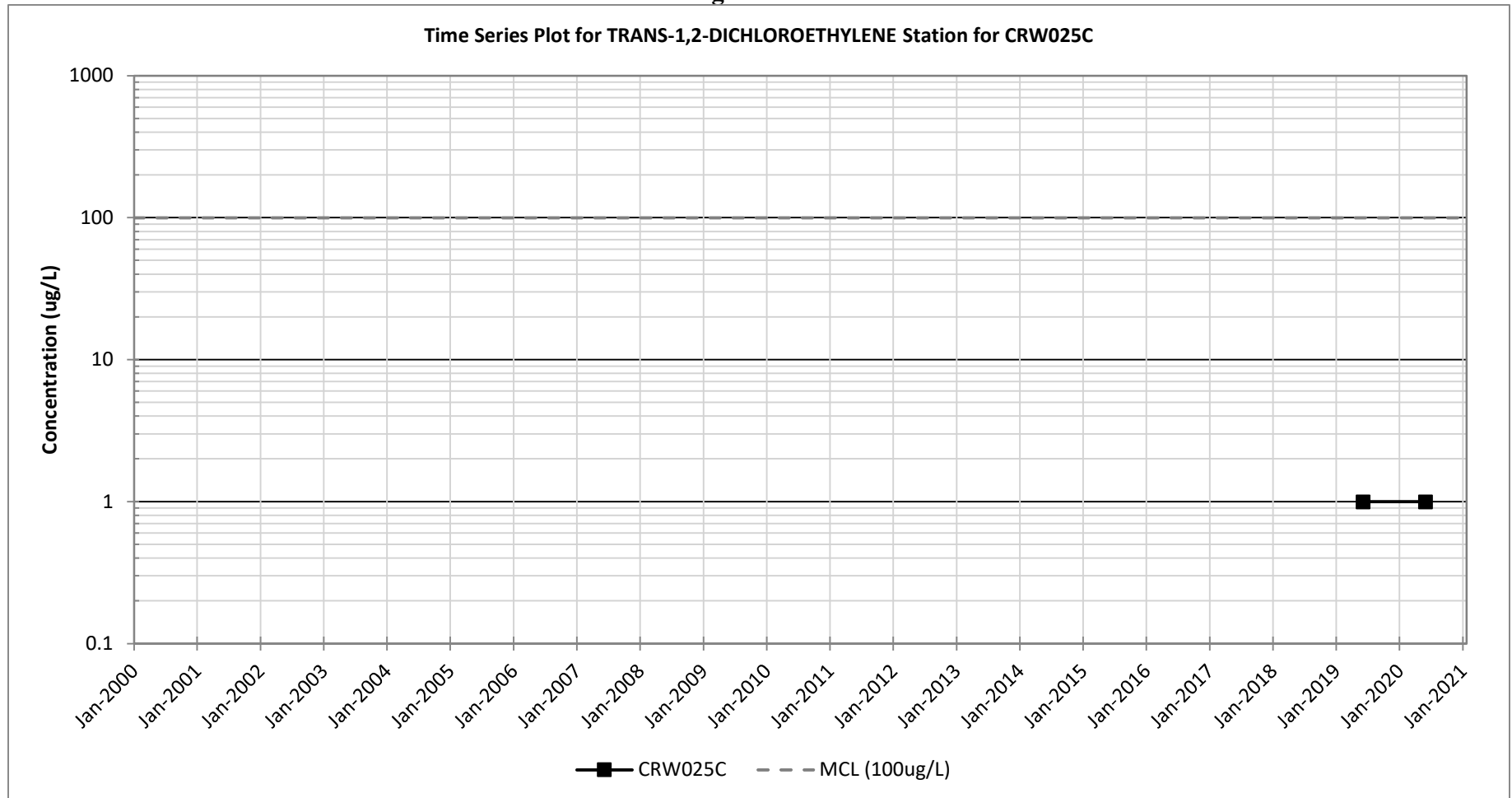


Figure C-86.

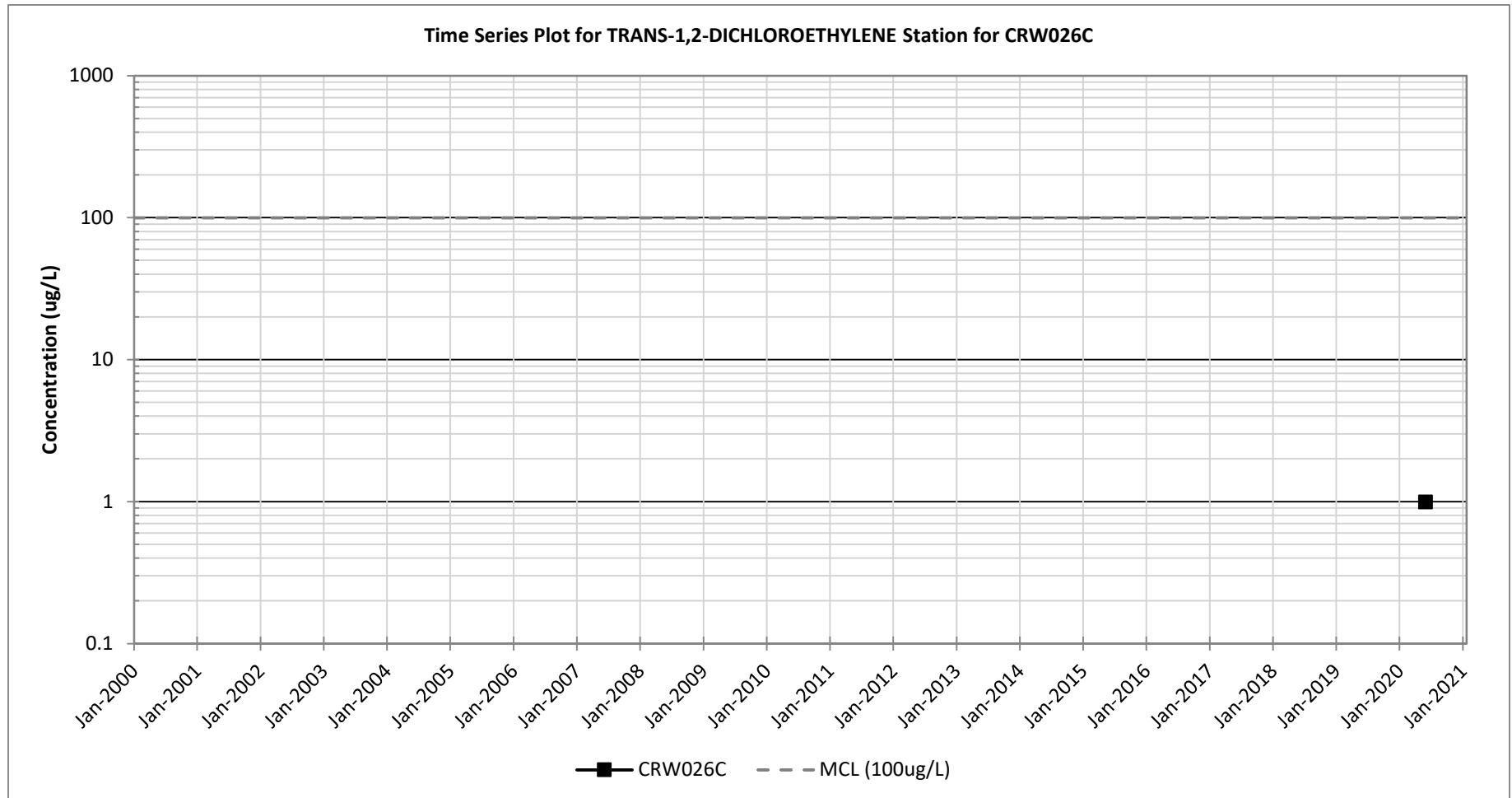


Figure C-87.

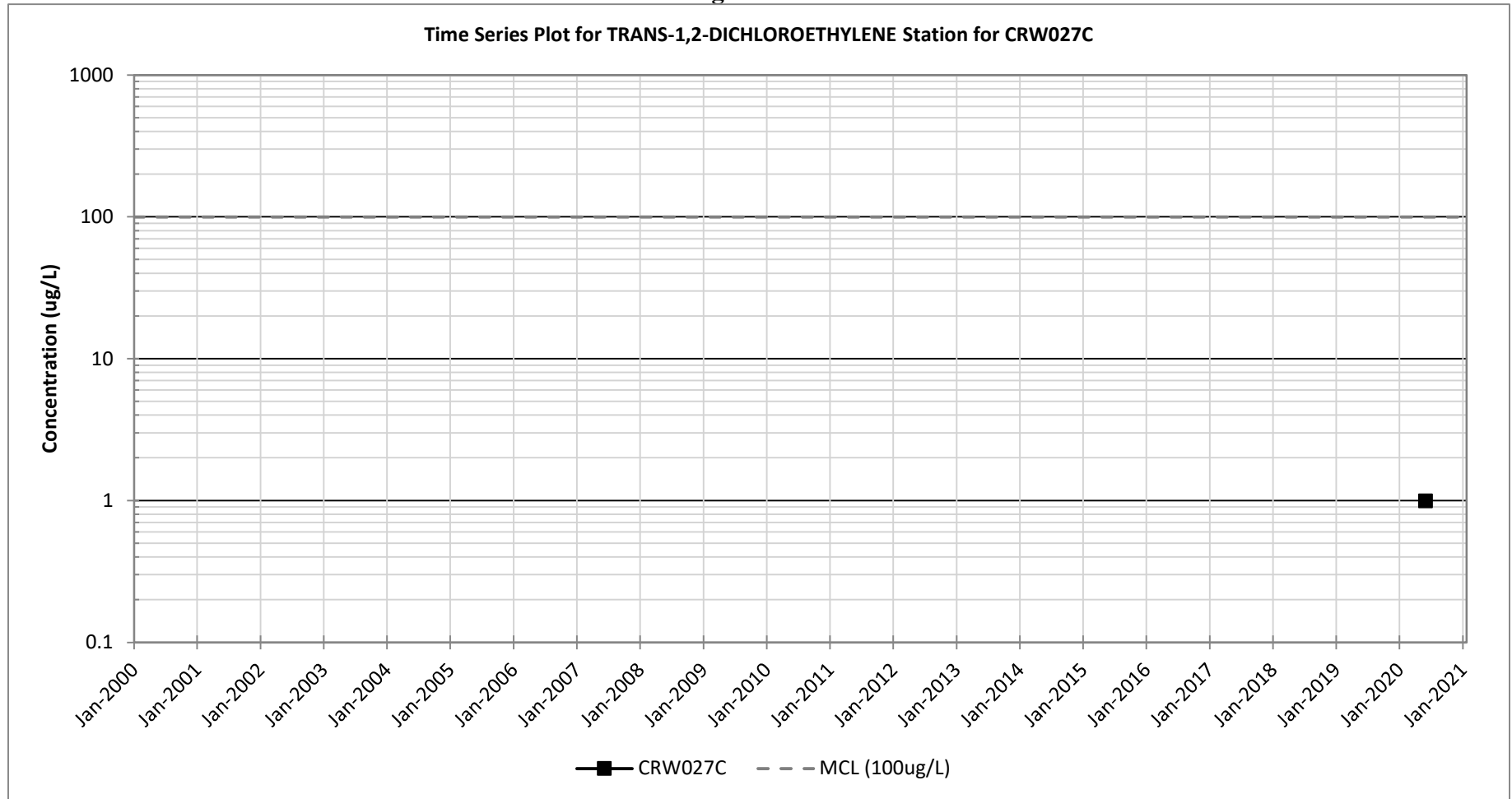


Figure C-88.

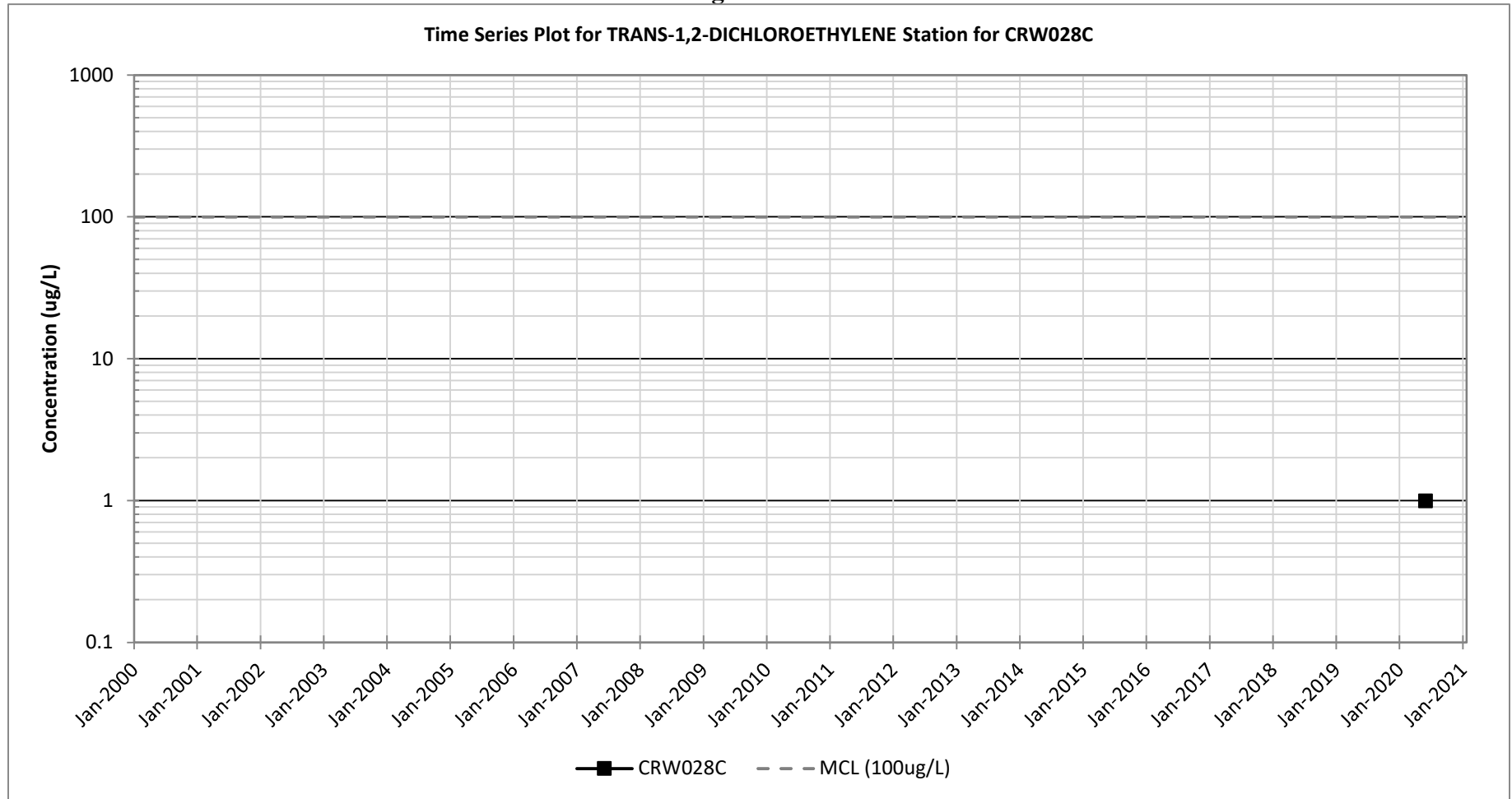


Figure C-89.

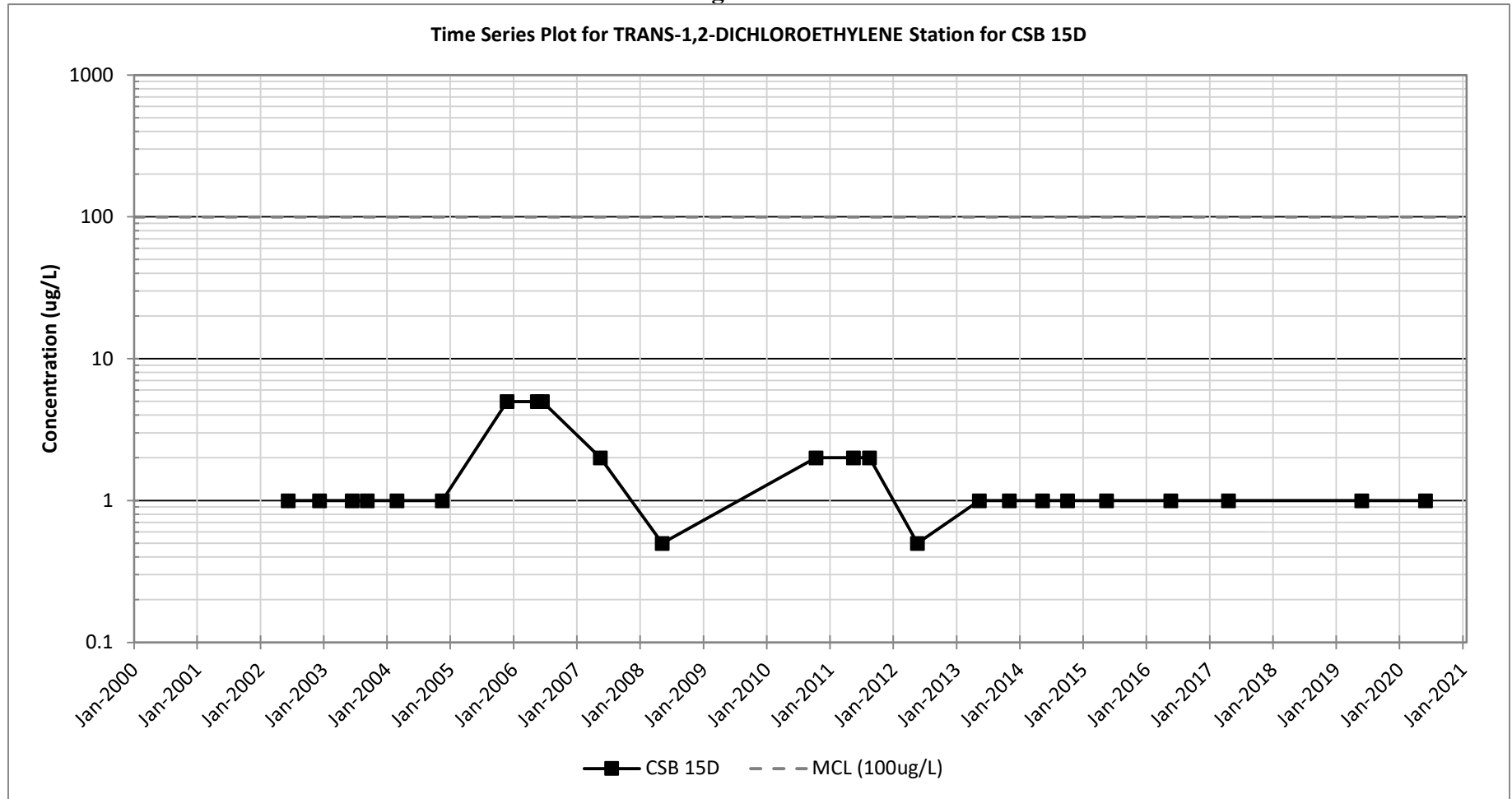


Figure C-90.

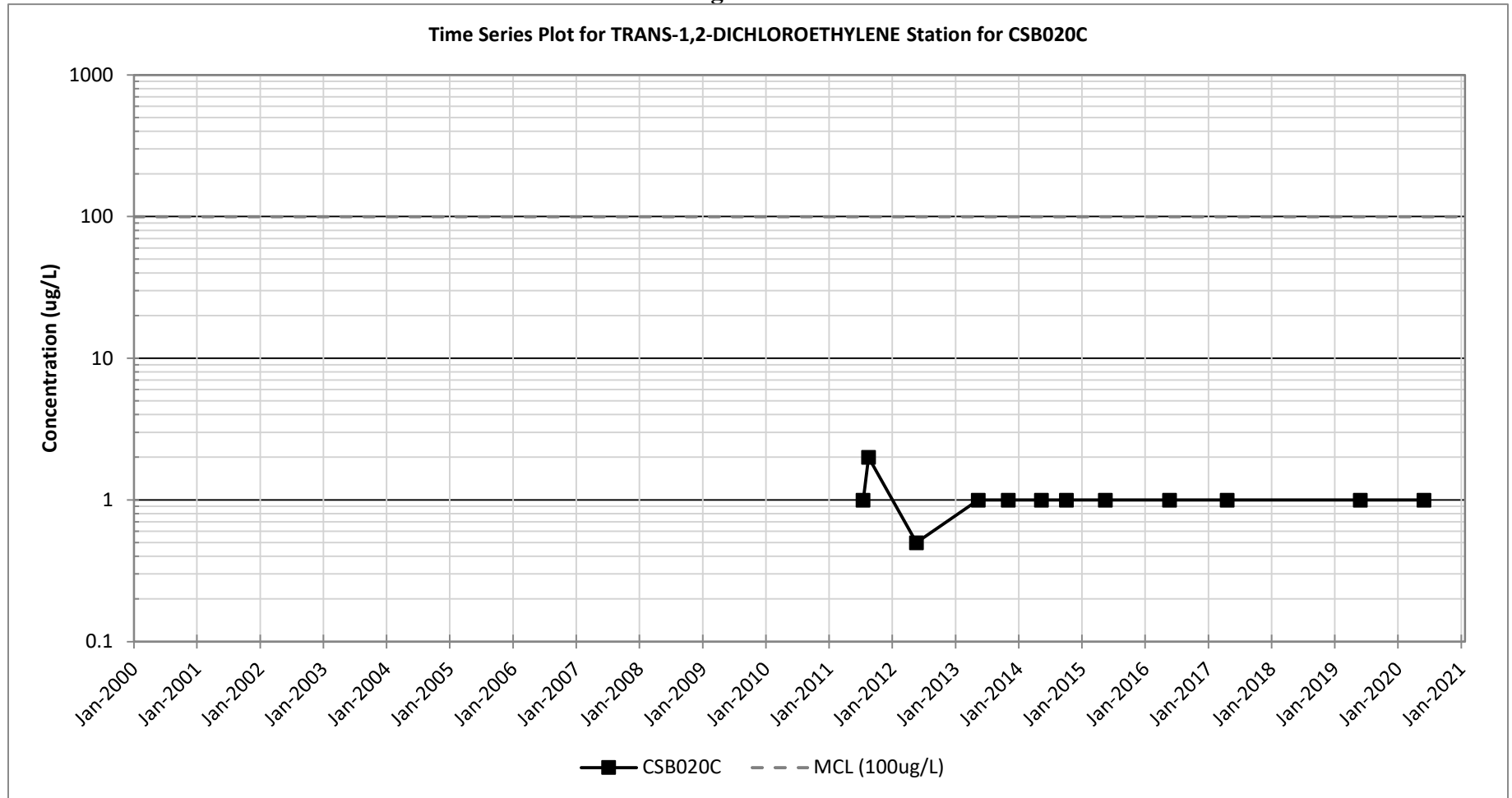


Figure C-91.

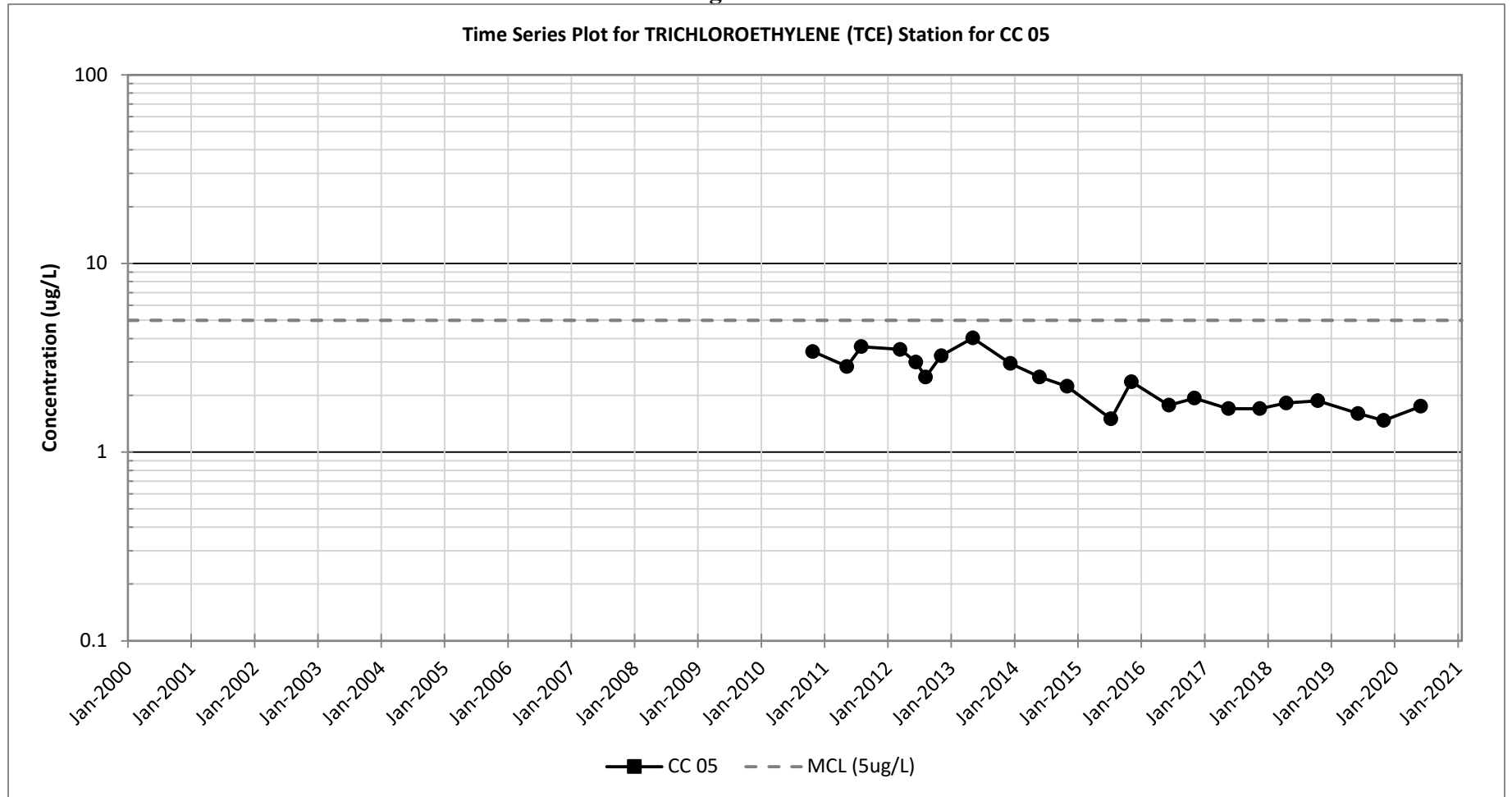


Figure C-92.

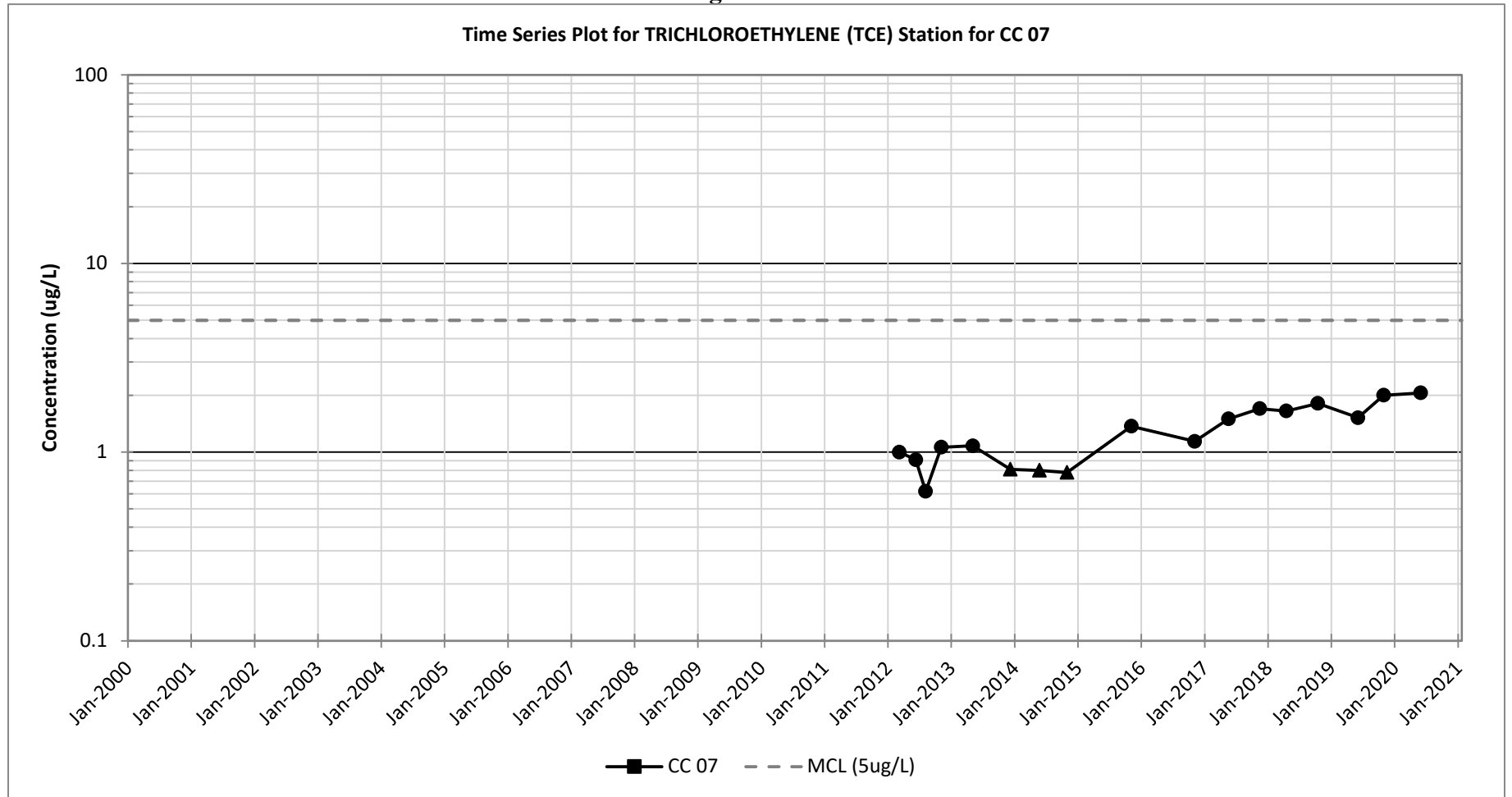


Figure C-93.

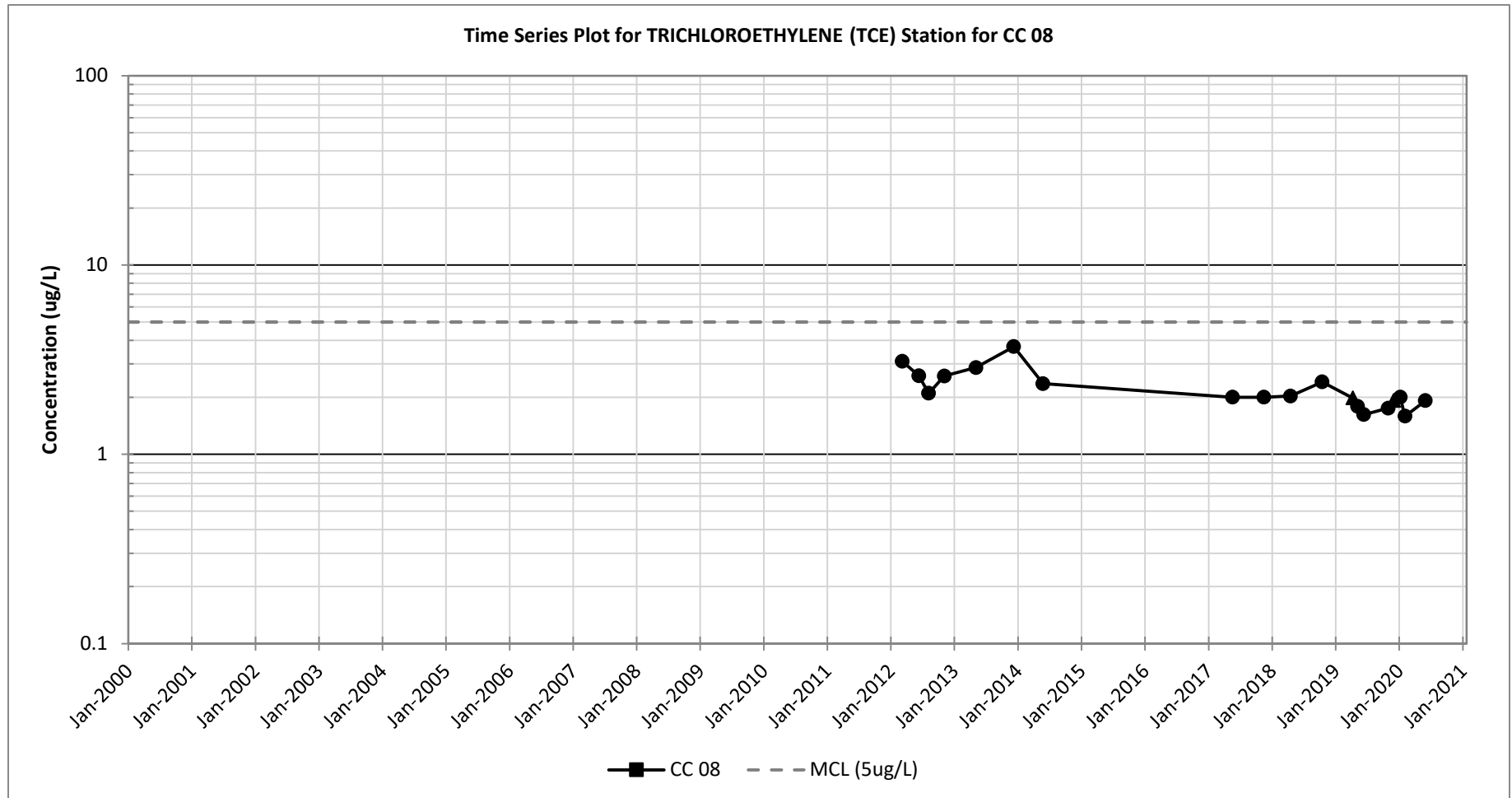


Figure C-94.

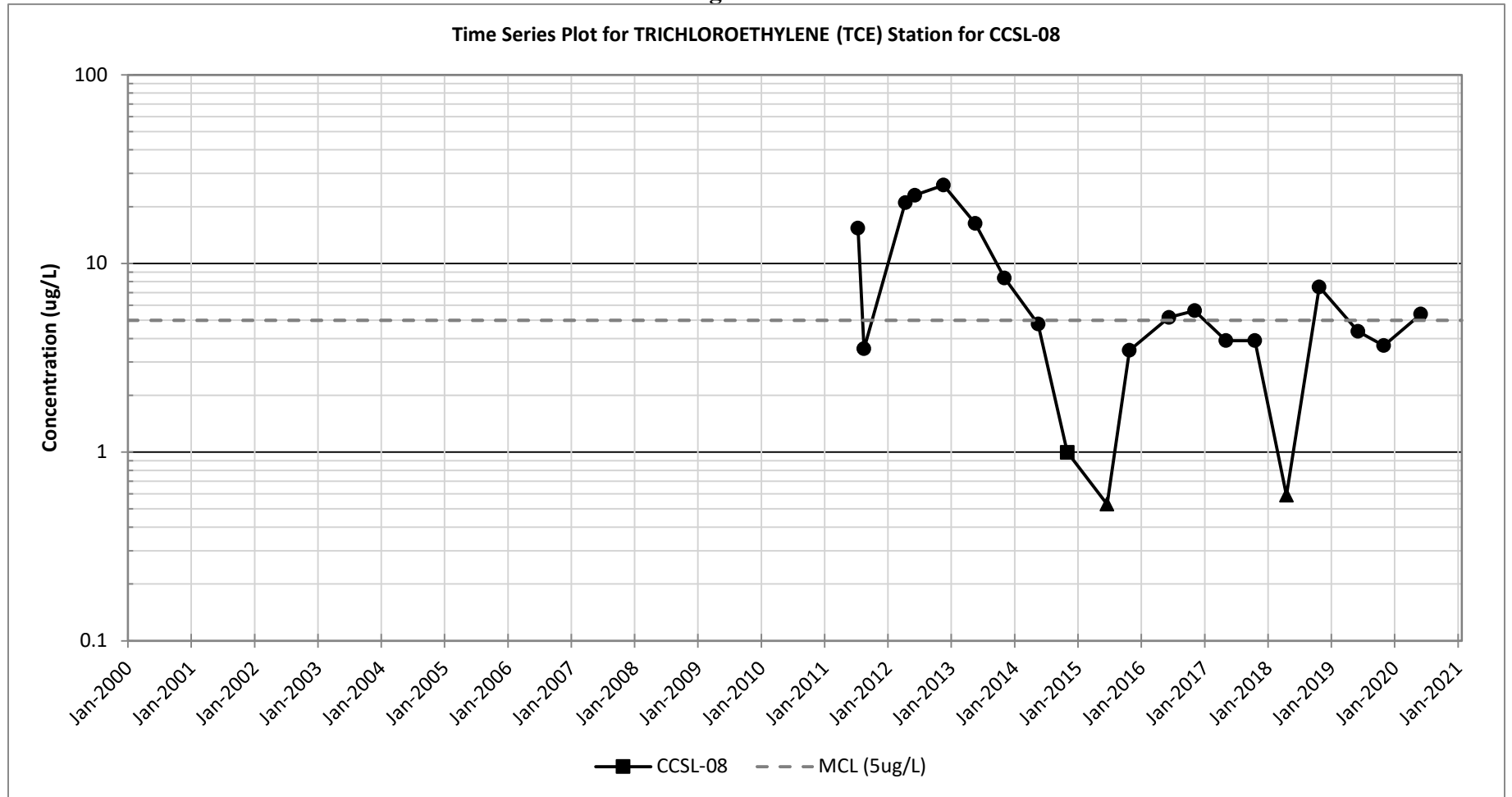


Figure C-95.

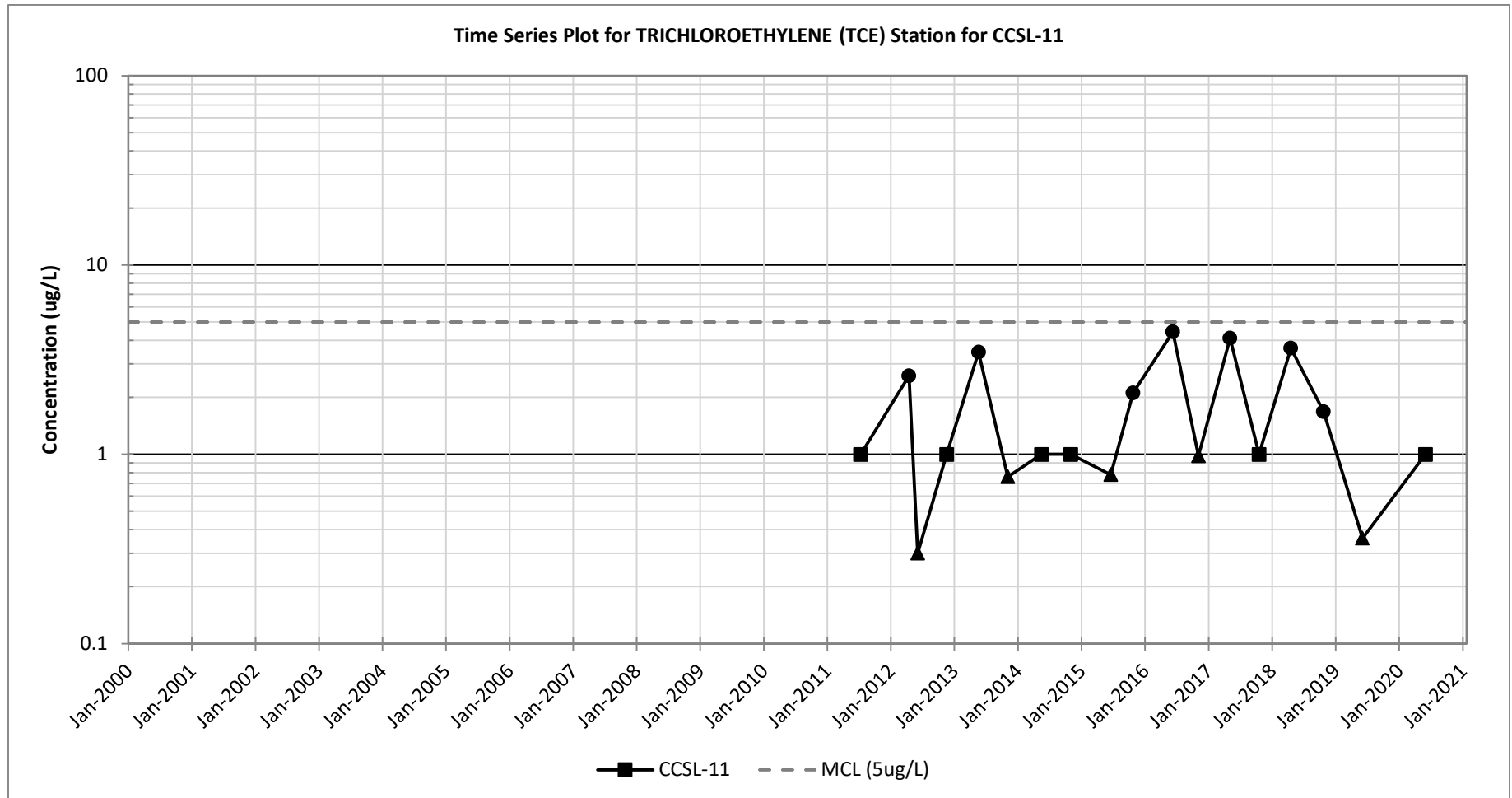


Figure C-96.

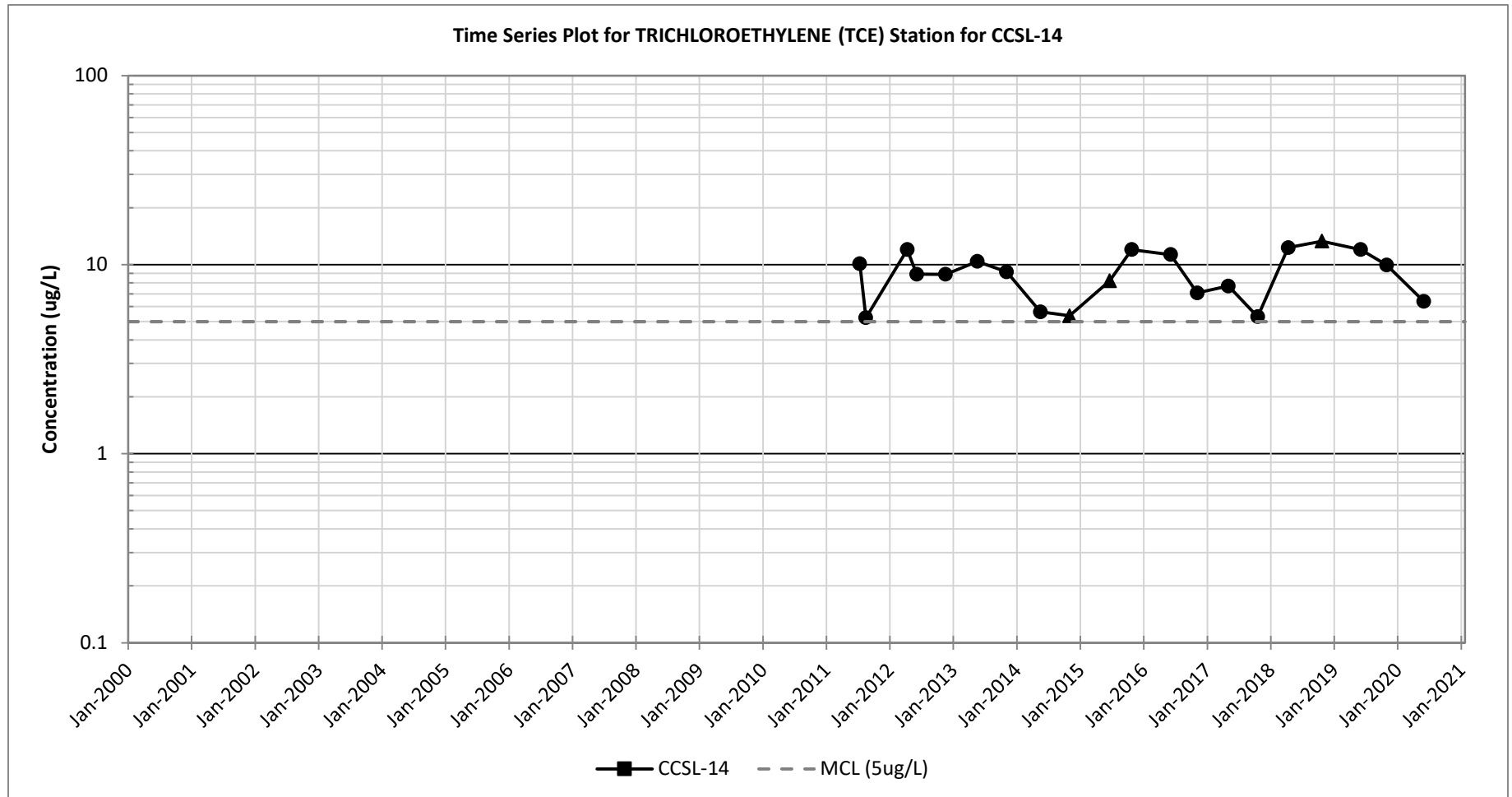


Figure C-97.

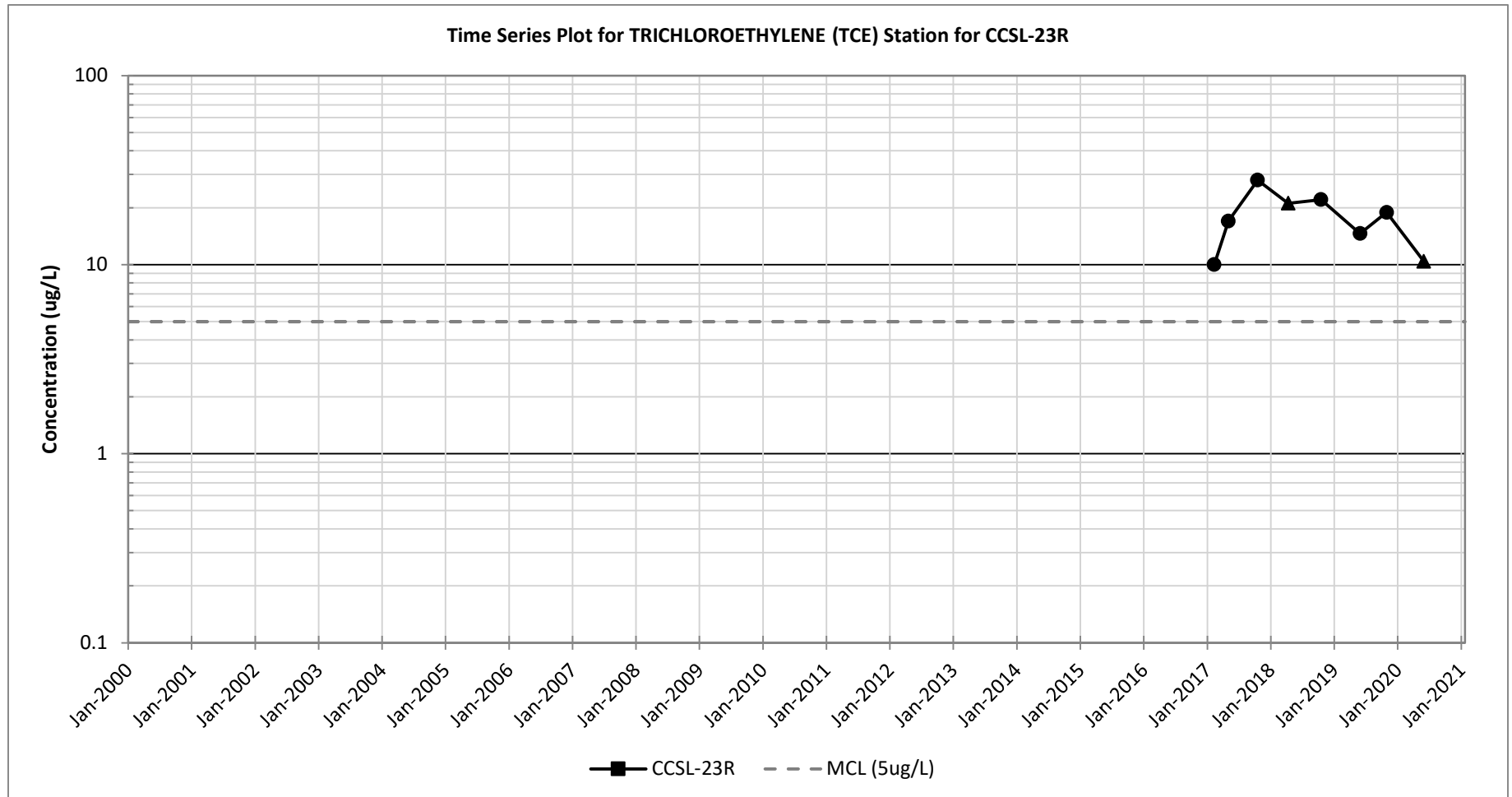


Figure C-98.

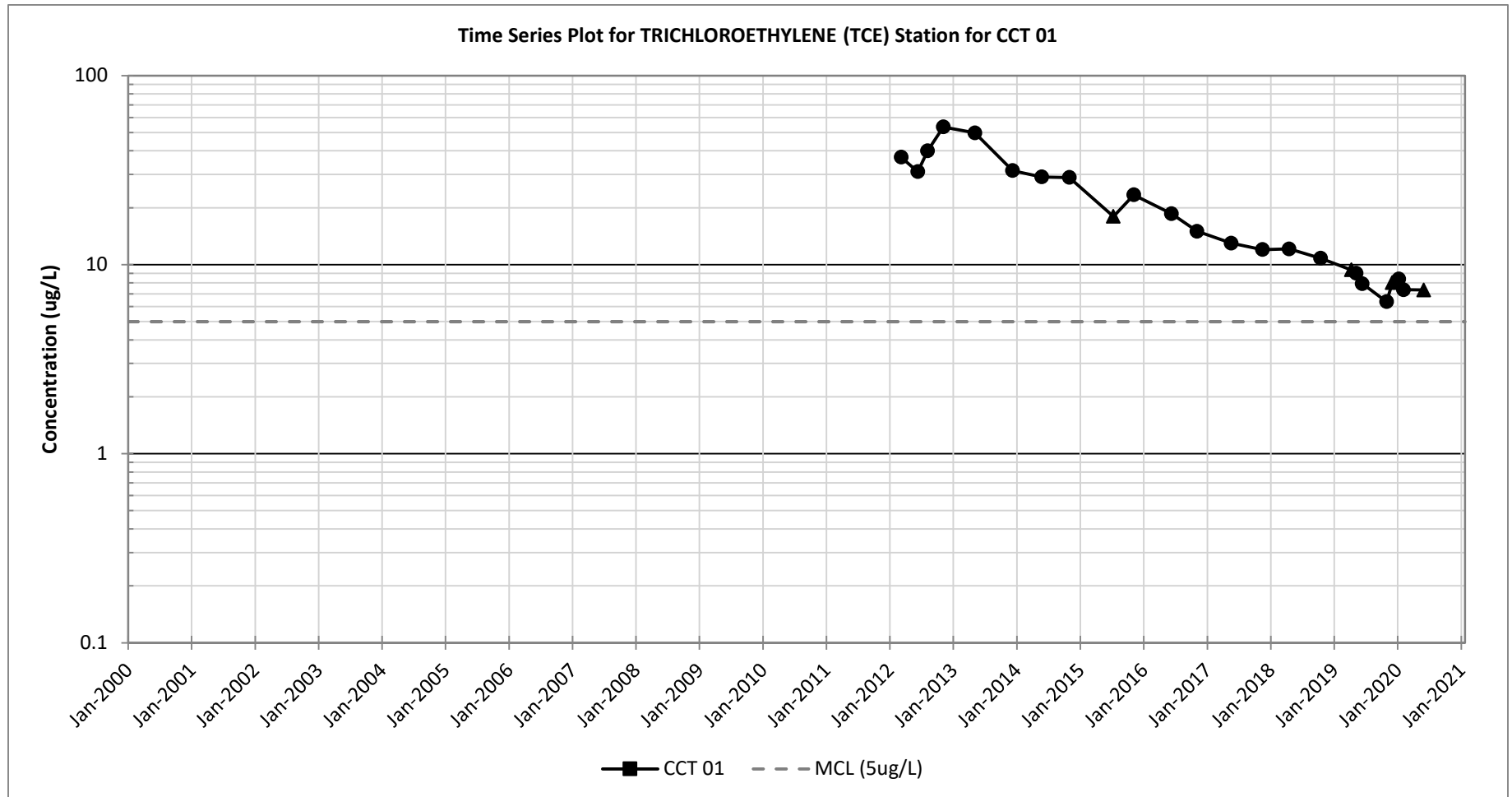


Figure C-99.

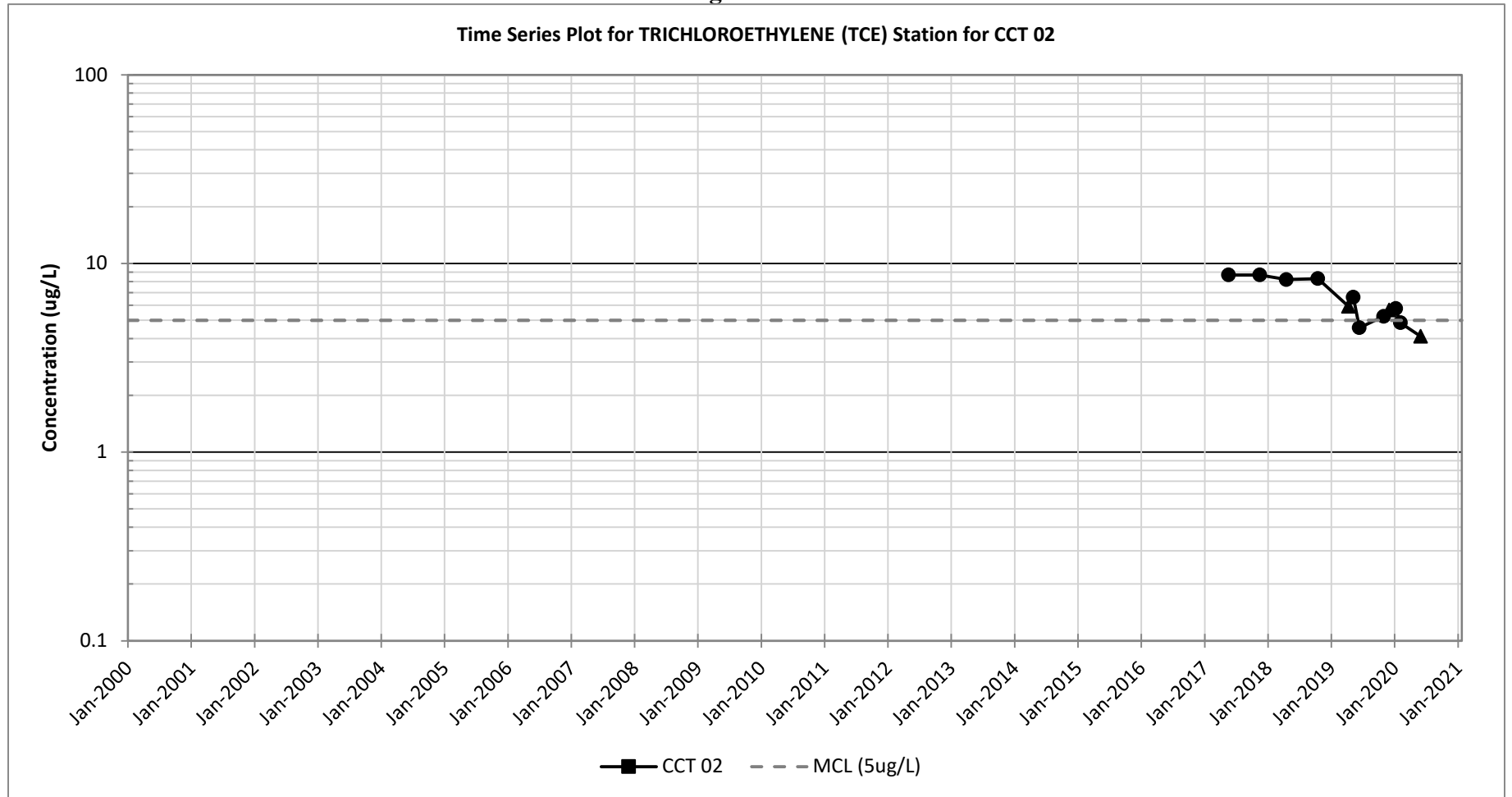


Figure C-100.

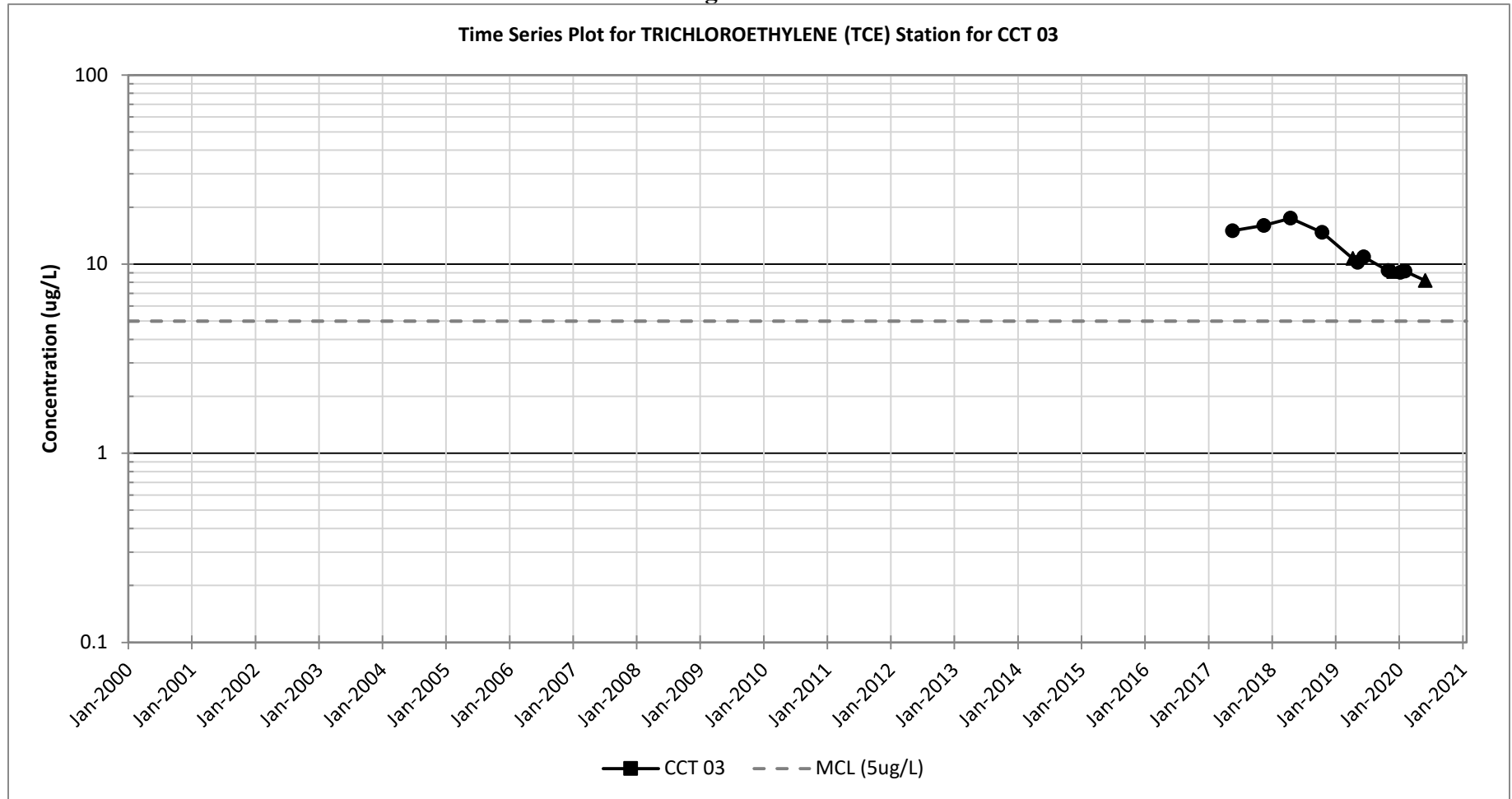


Figure C-101.

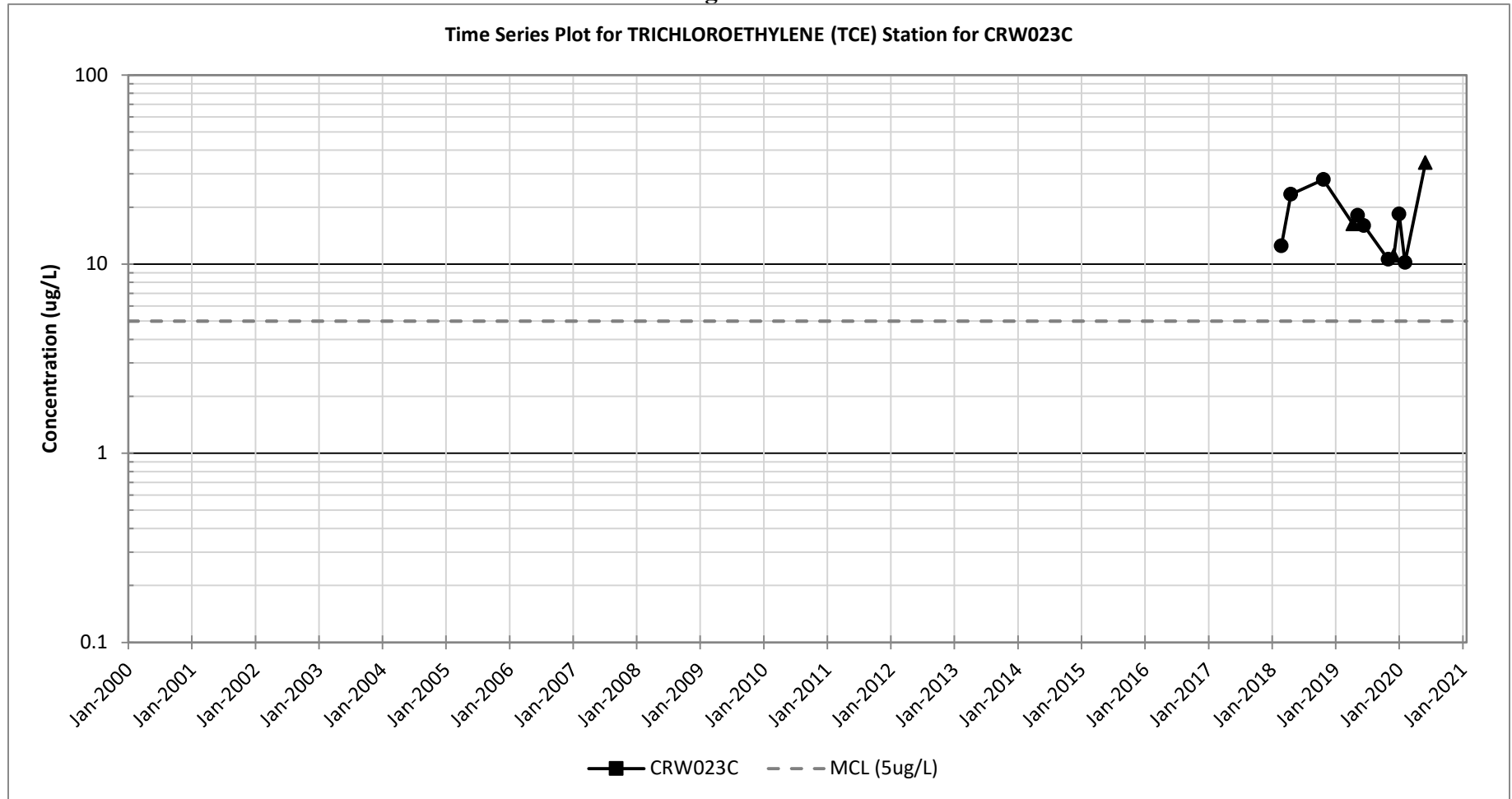


Figure C-102.

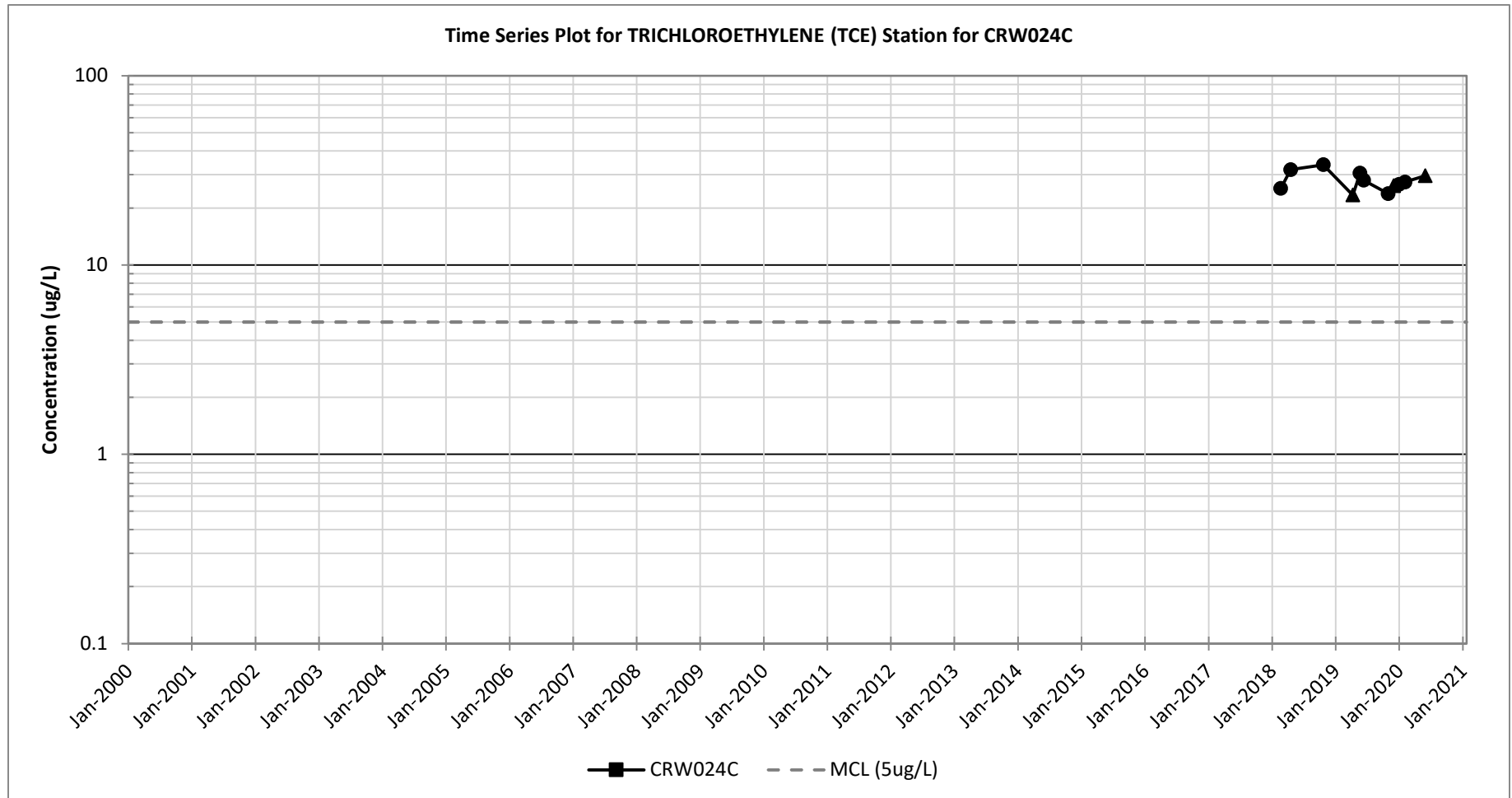


Figure C-103.

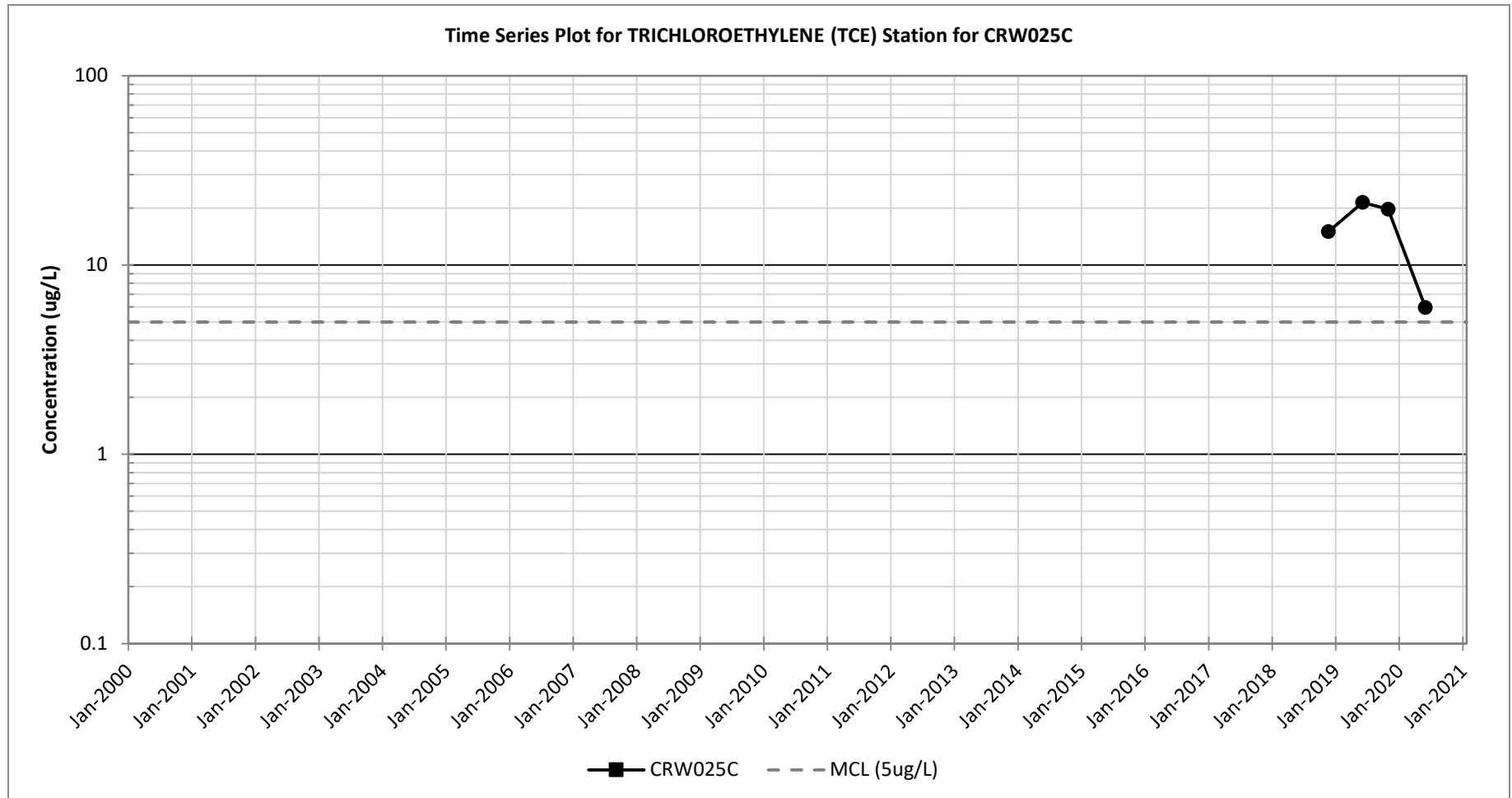


Figure C-104.

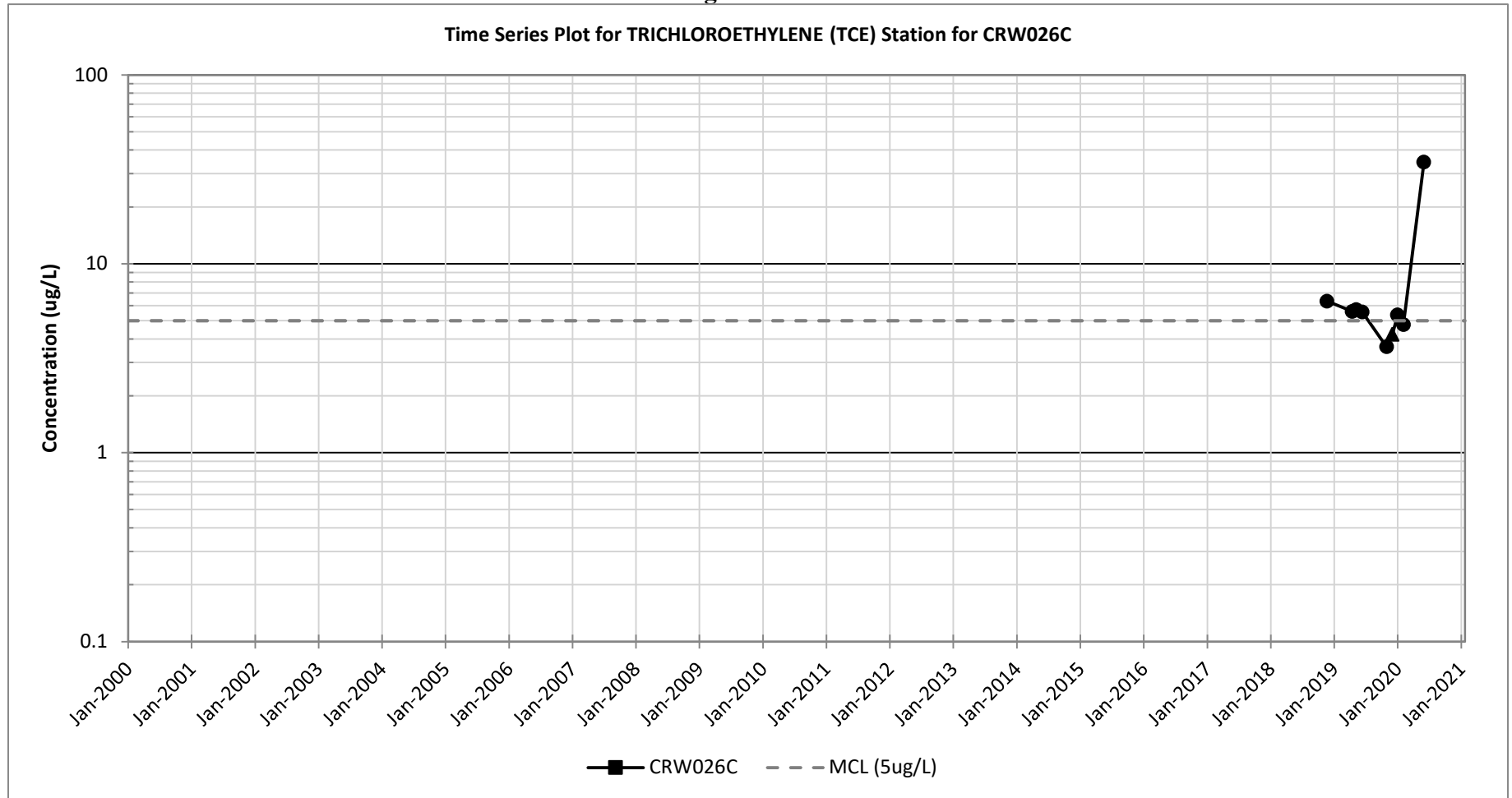


Figure C-105.

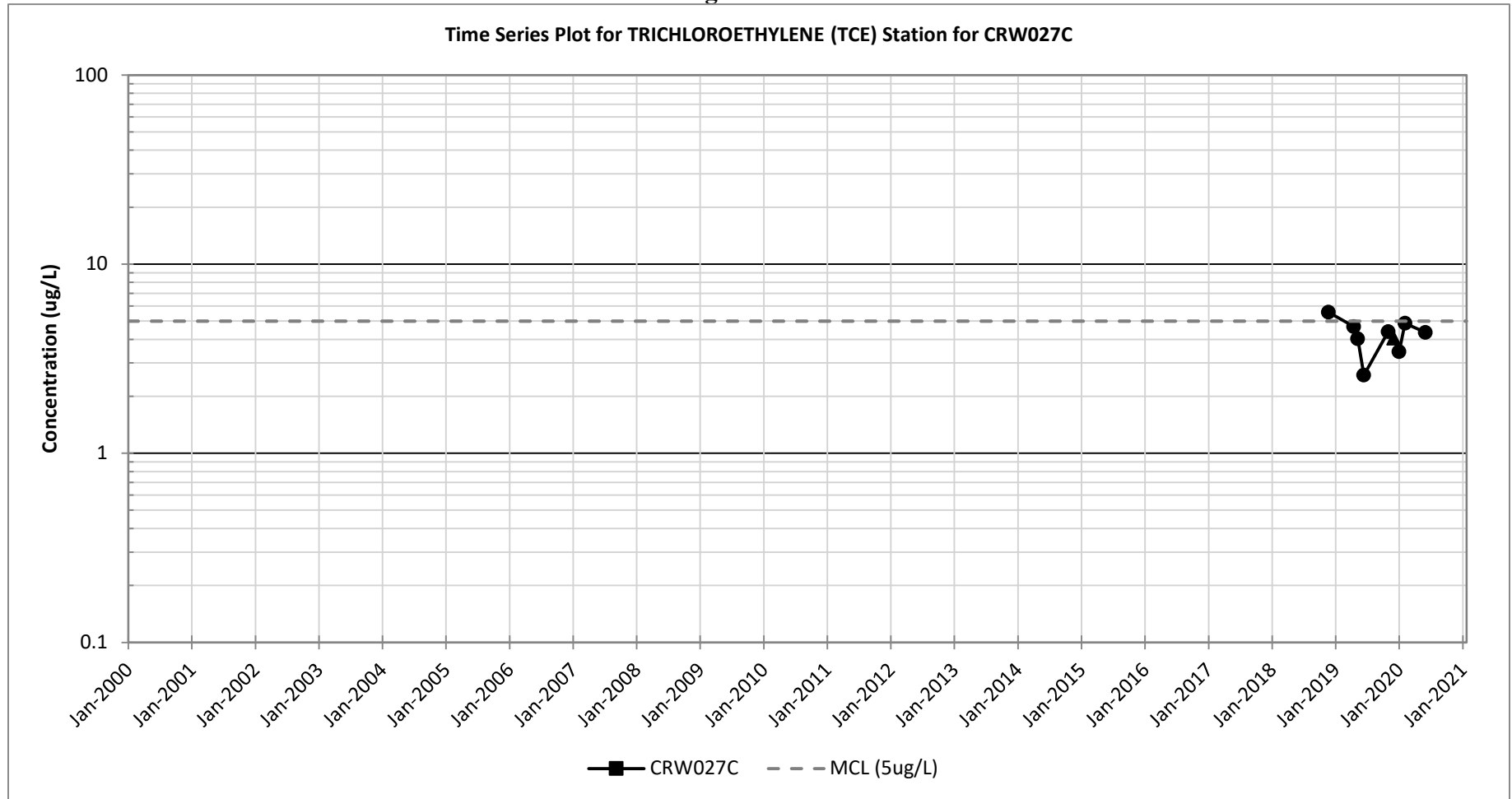


Figure C-106.

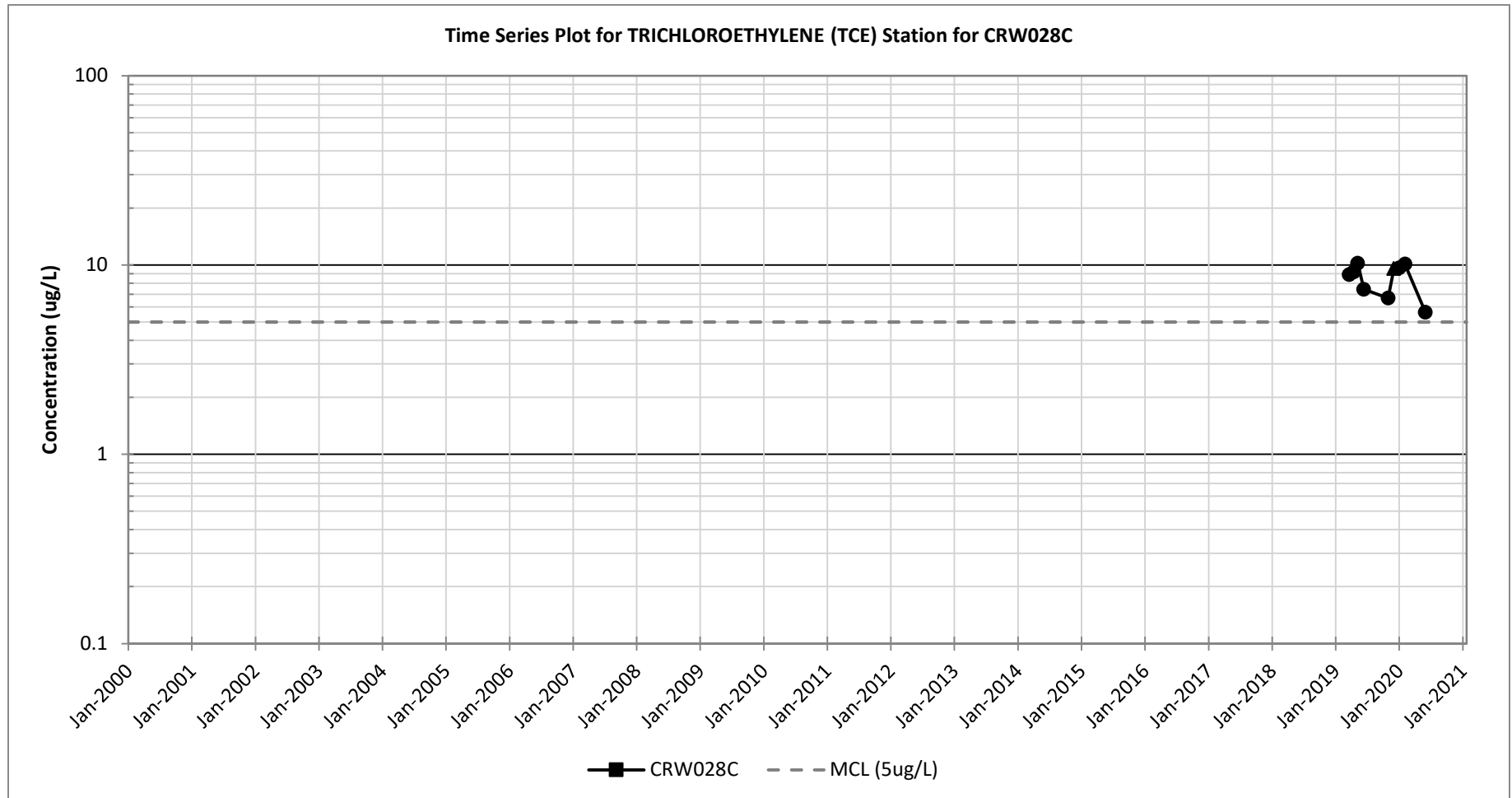


Figure C-107.

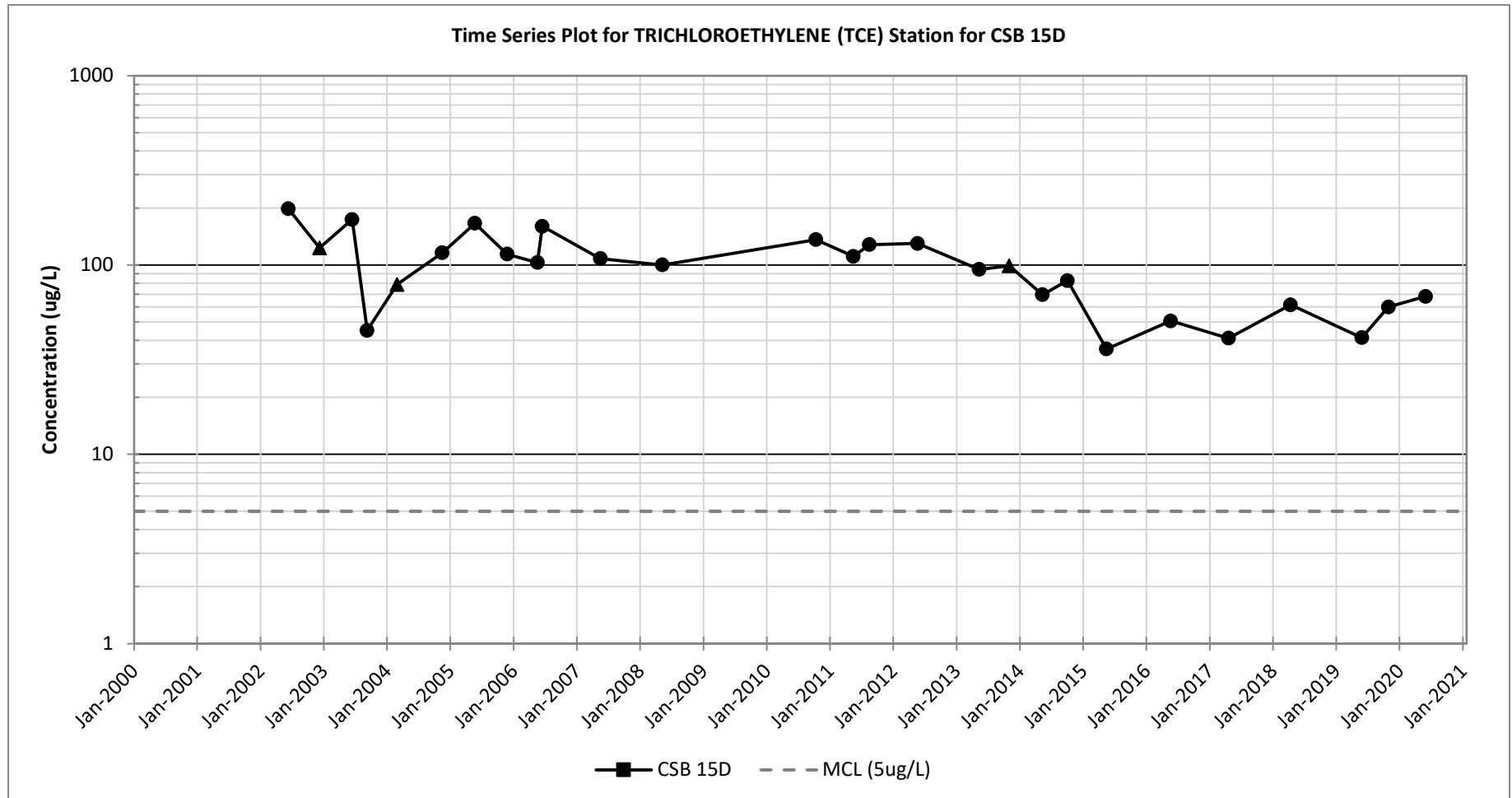


Figure C-108.

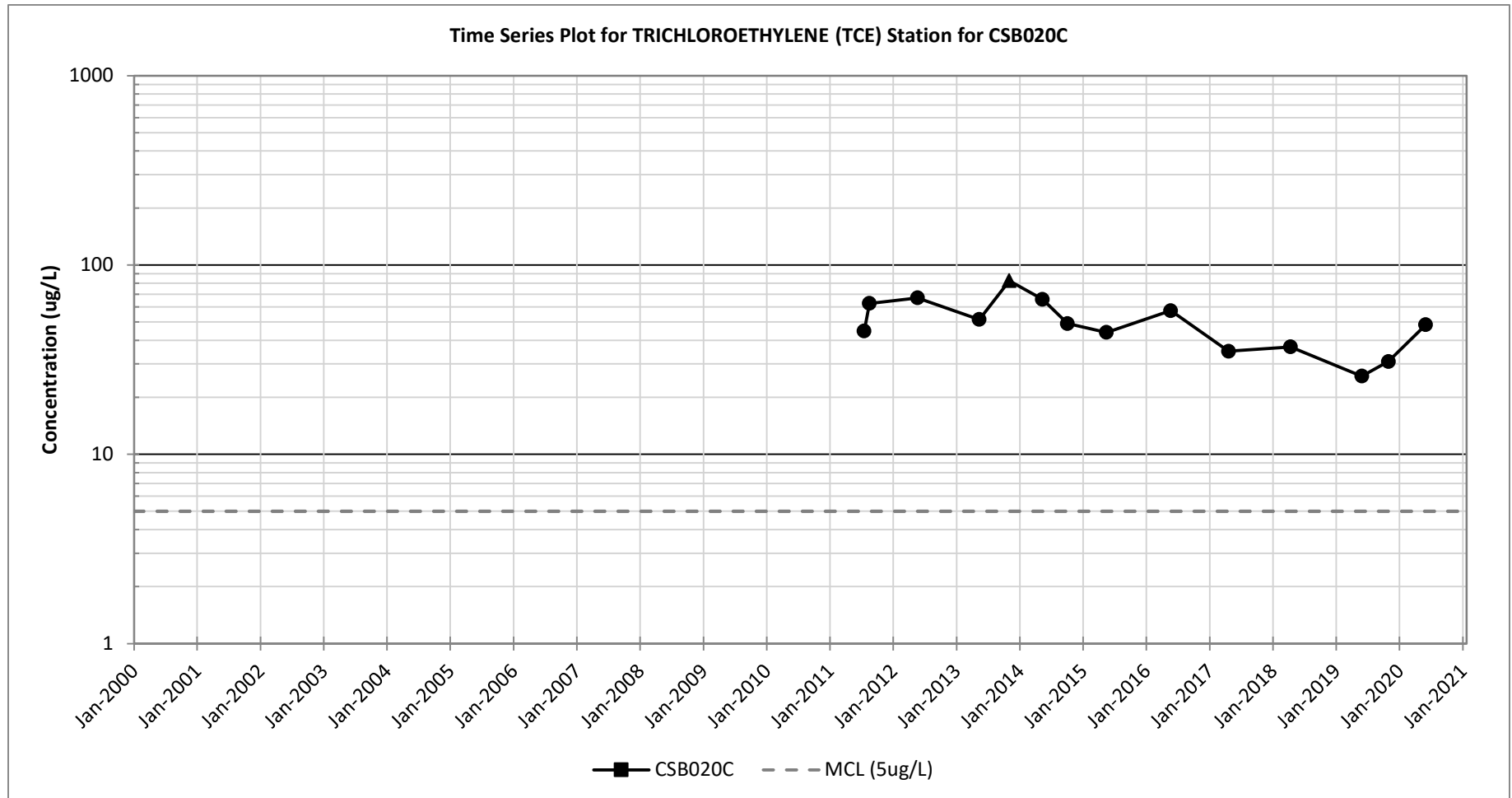


Figure C-109.

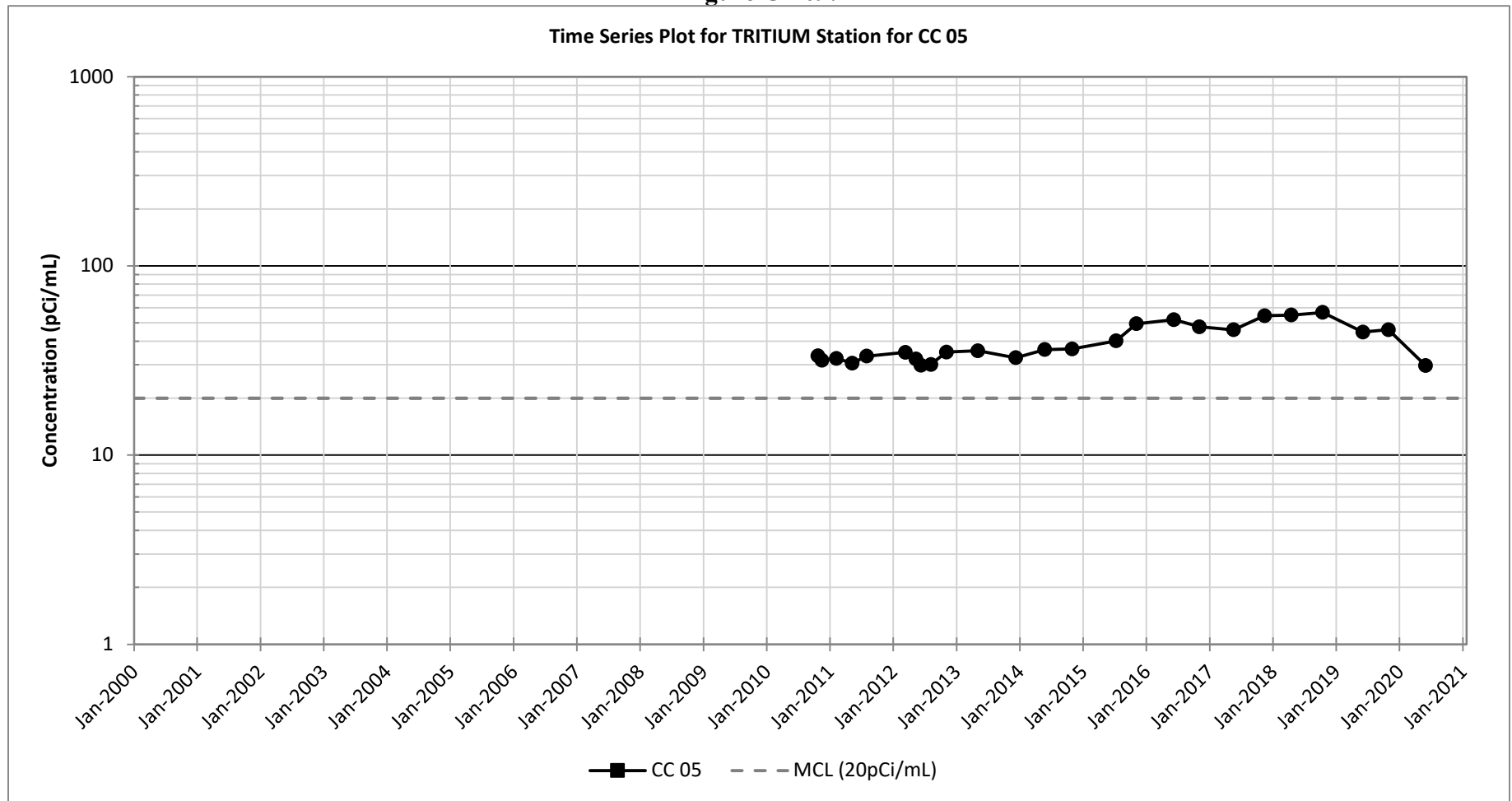


Figure C-110.

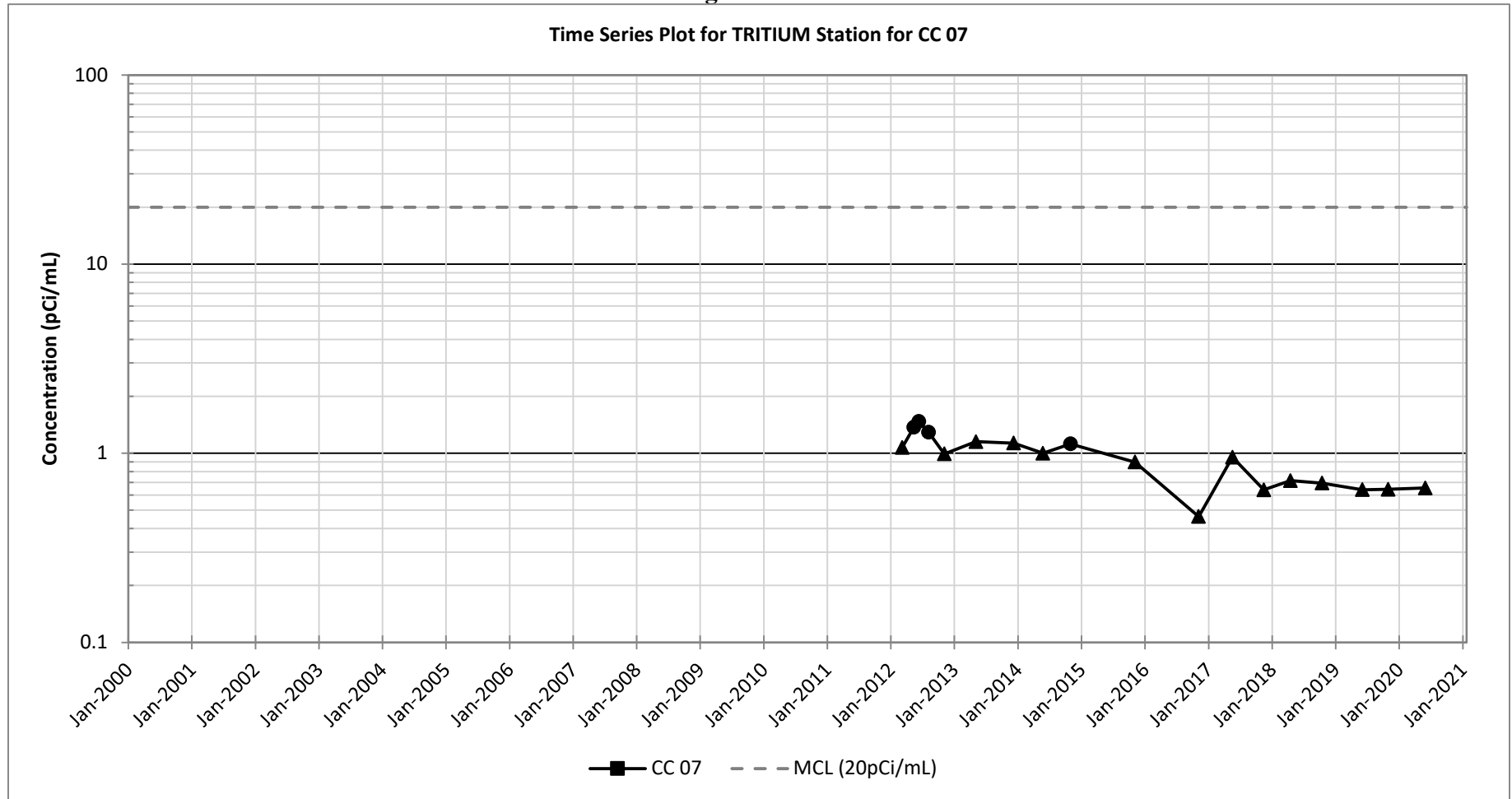


Figure C-111.

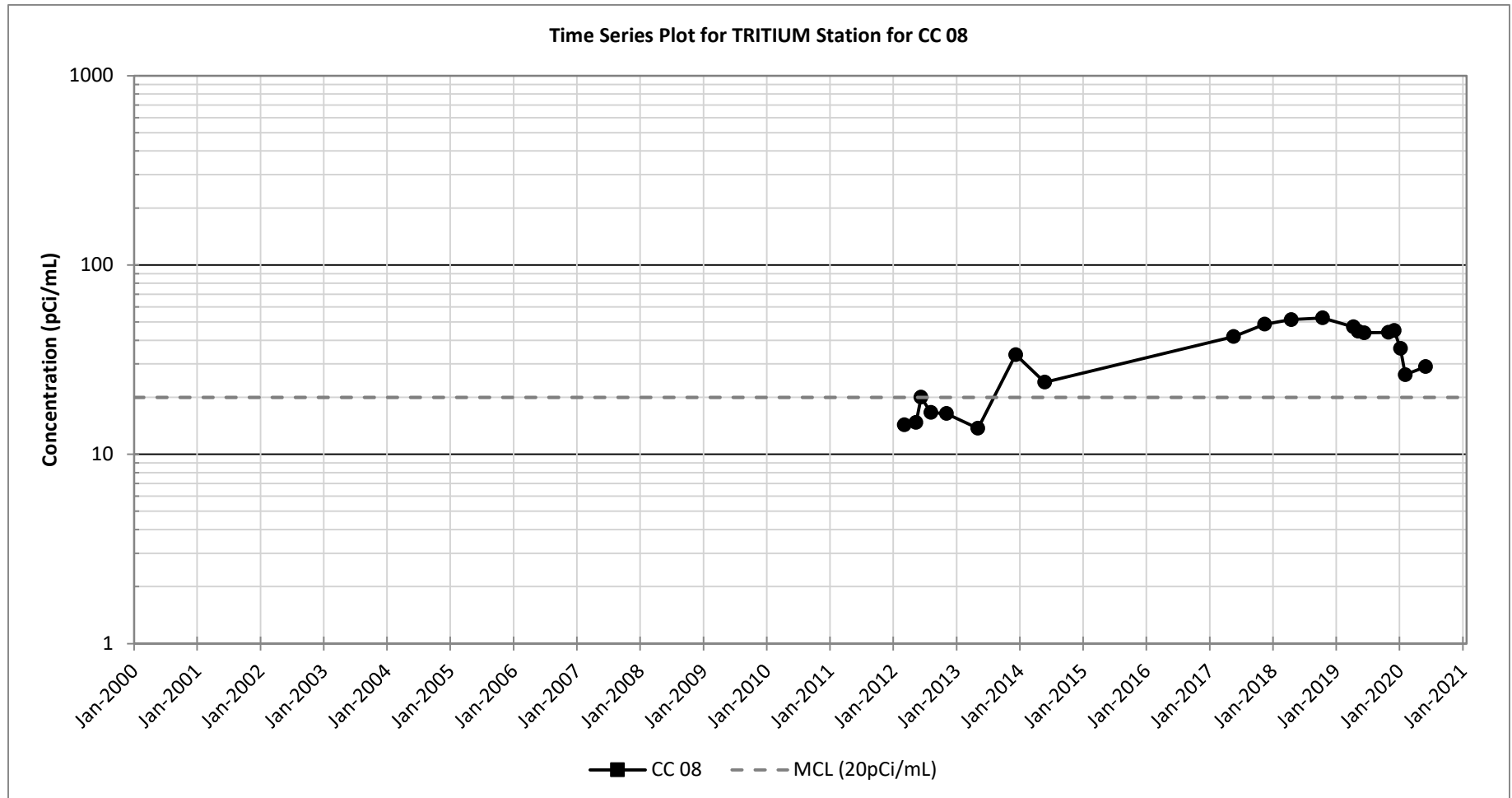


Figure C-112.

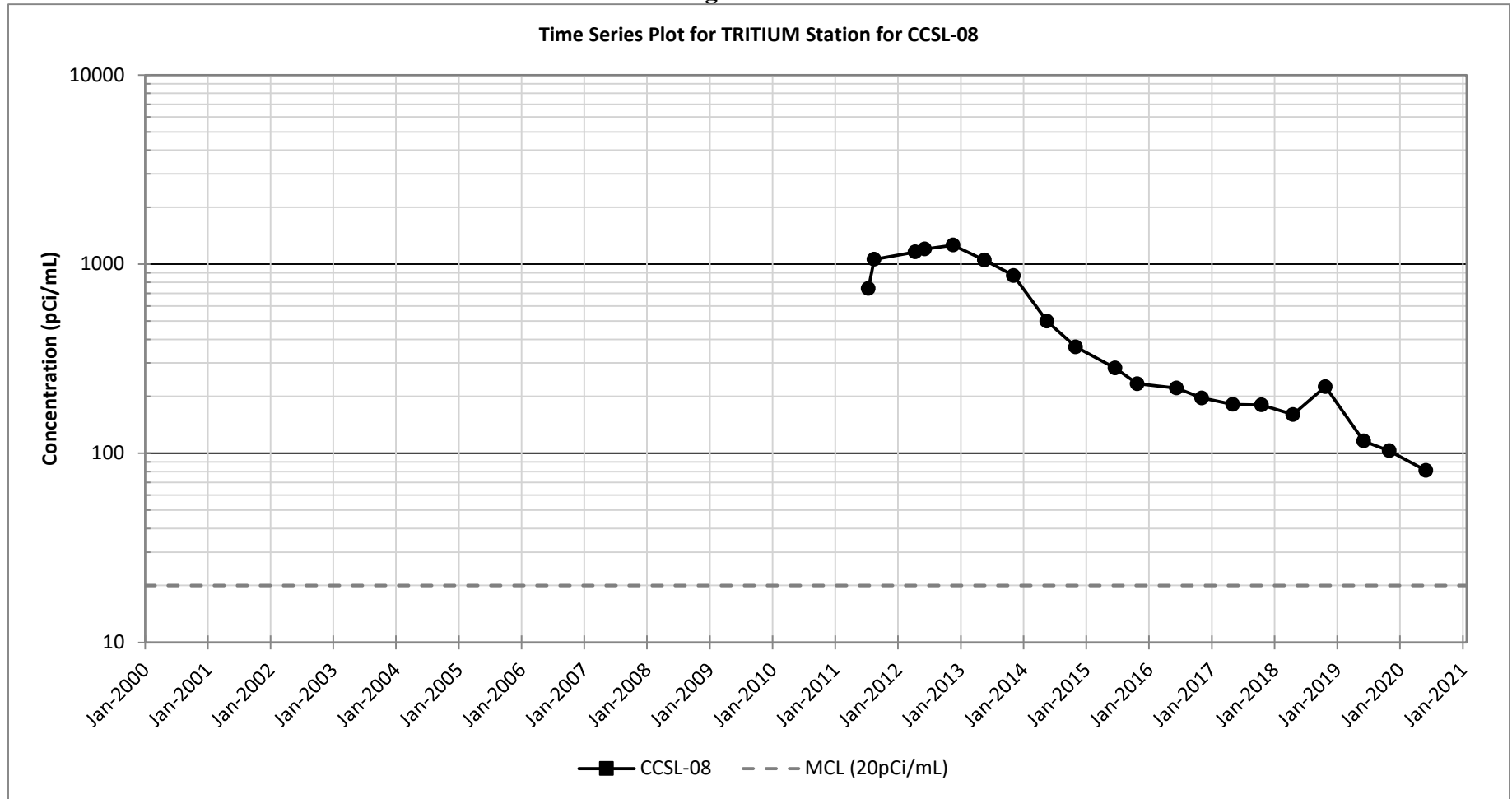


Figure C-113.

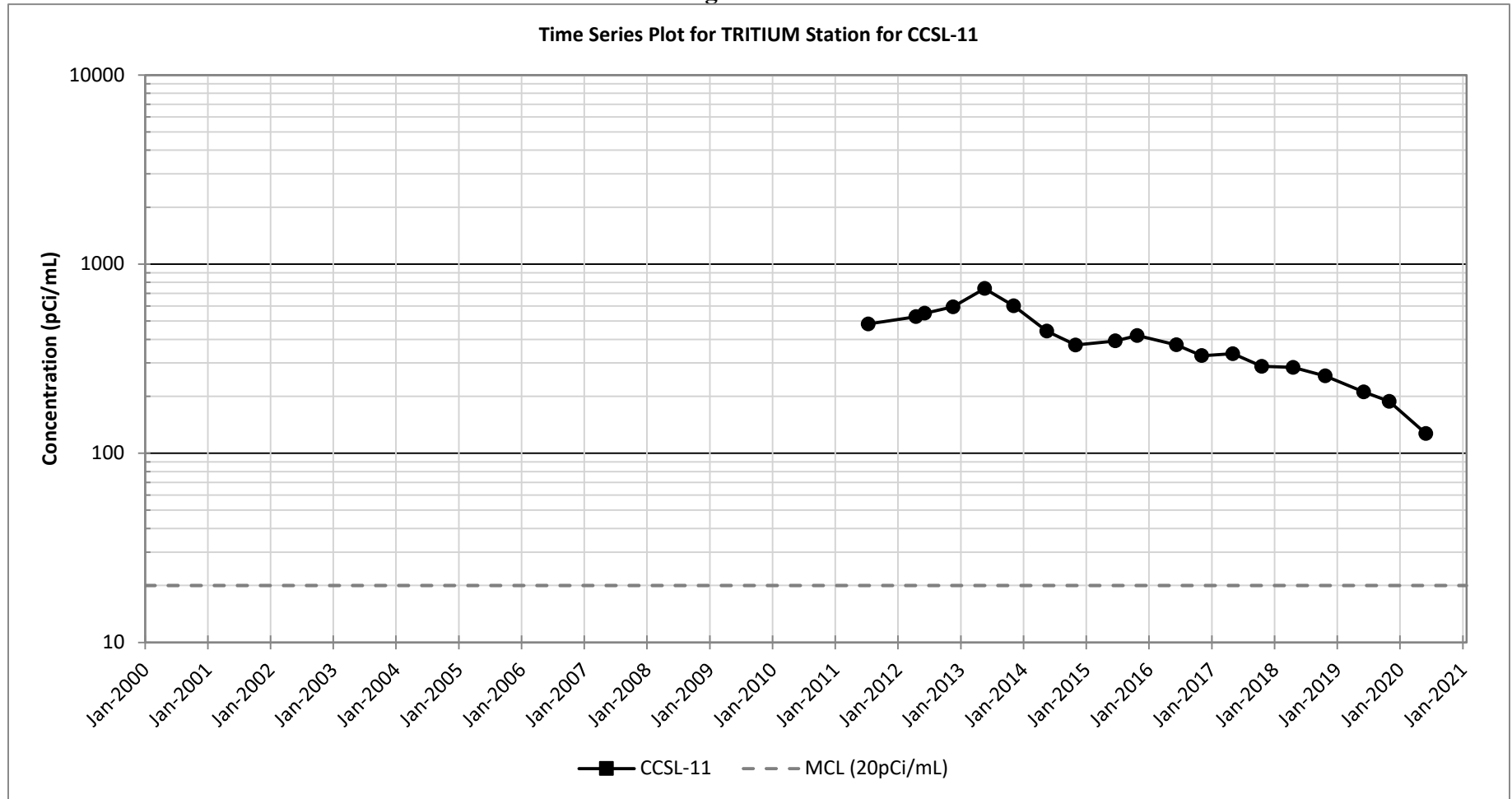


Figure C-114.

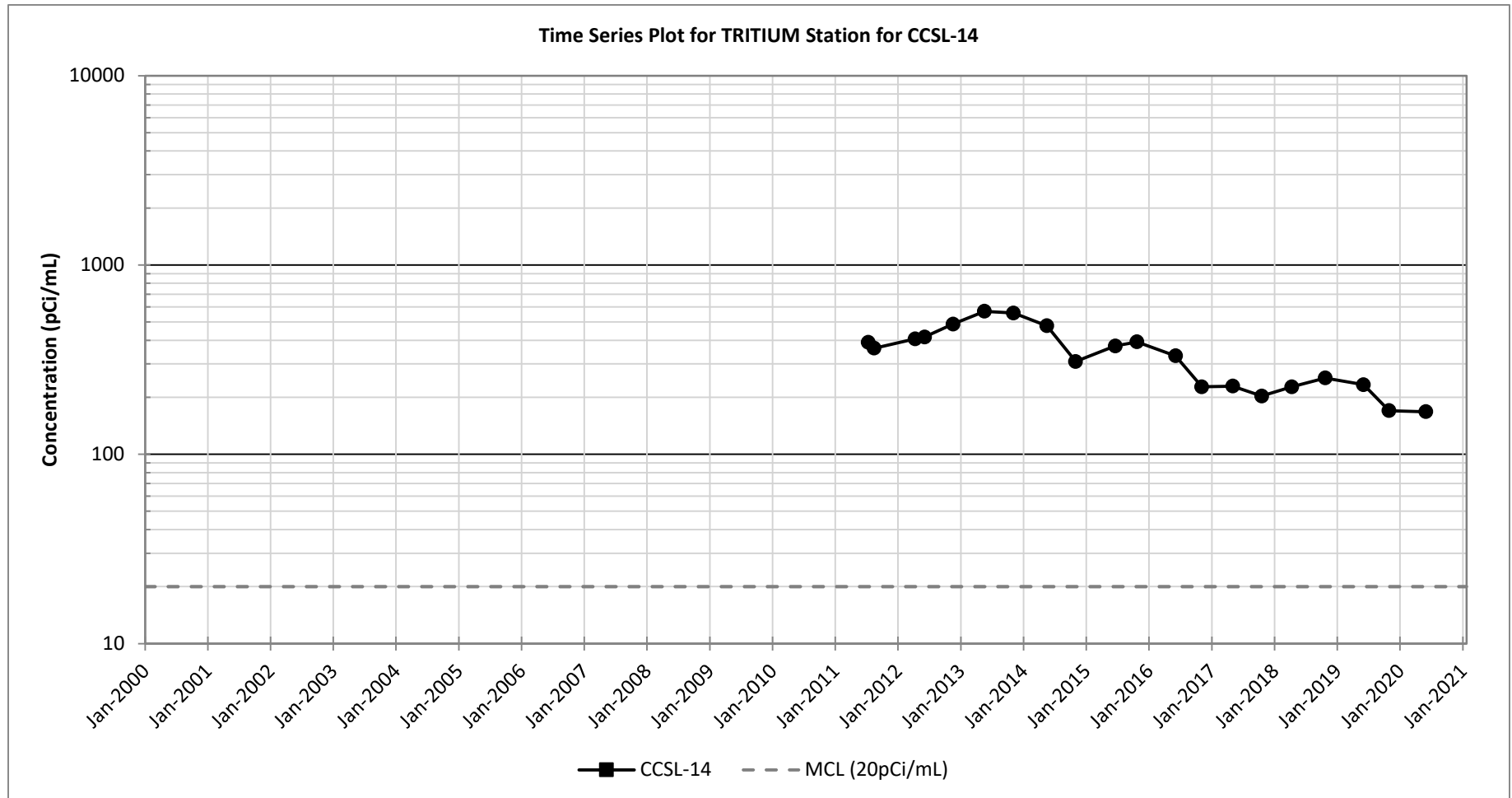


Figure C-115.

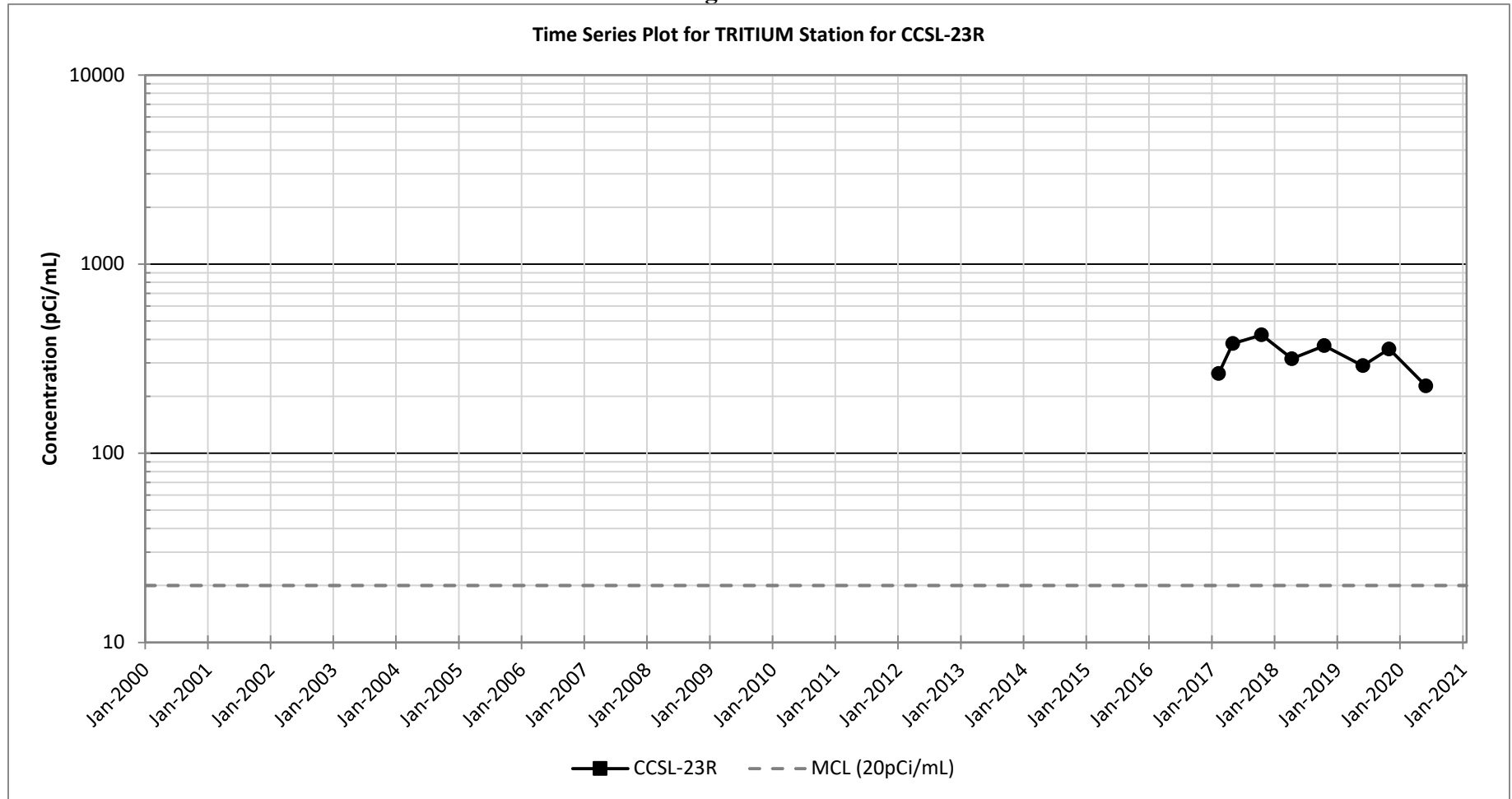


Figure C-116.

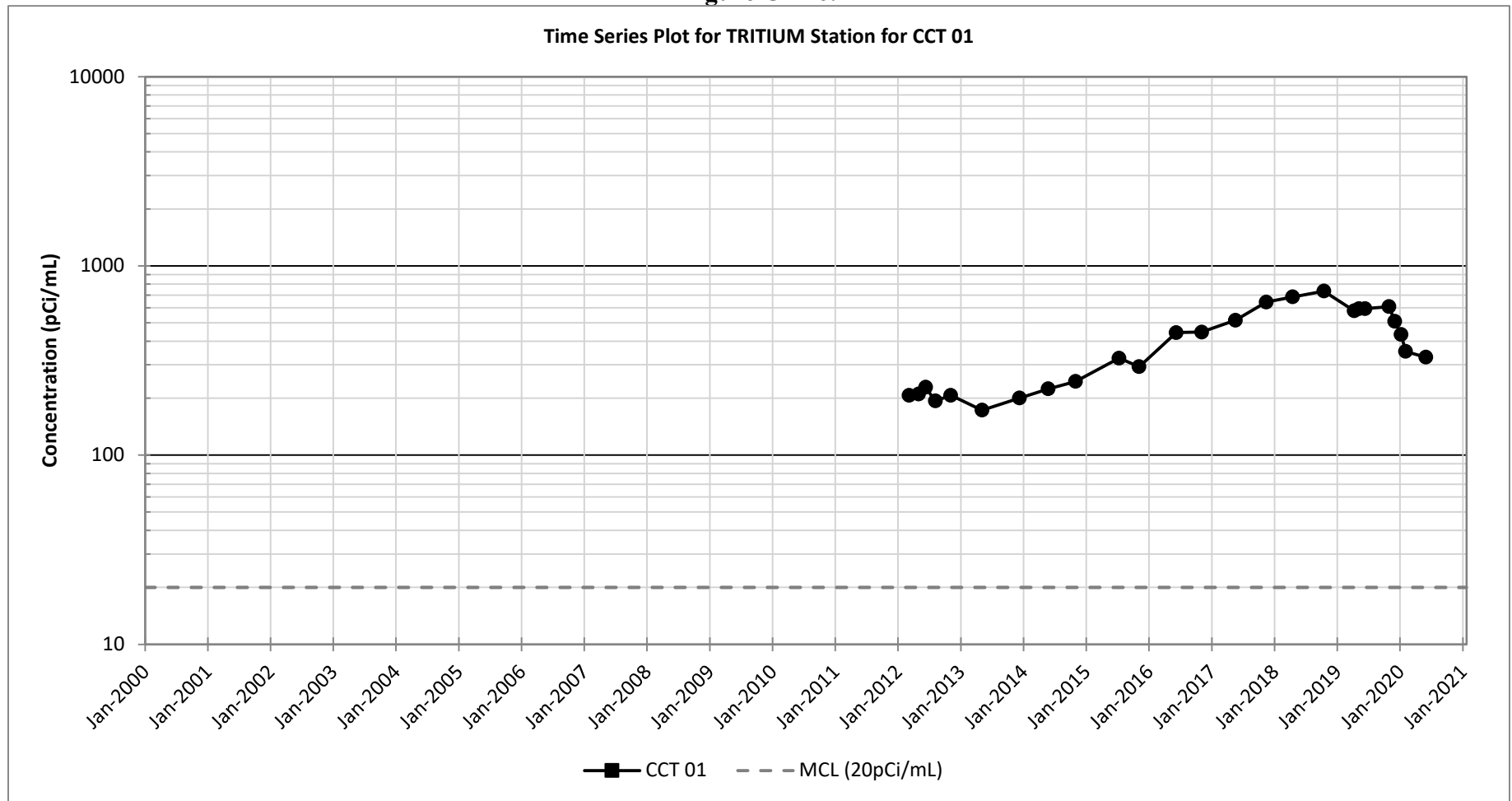


Figure C-117.

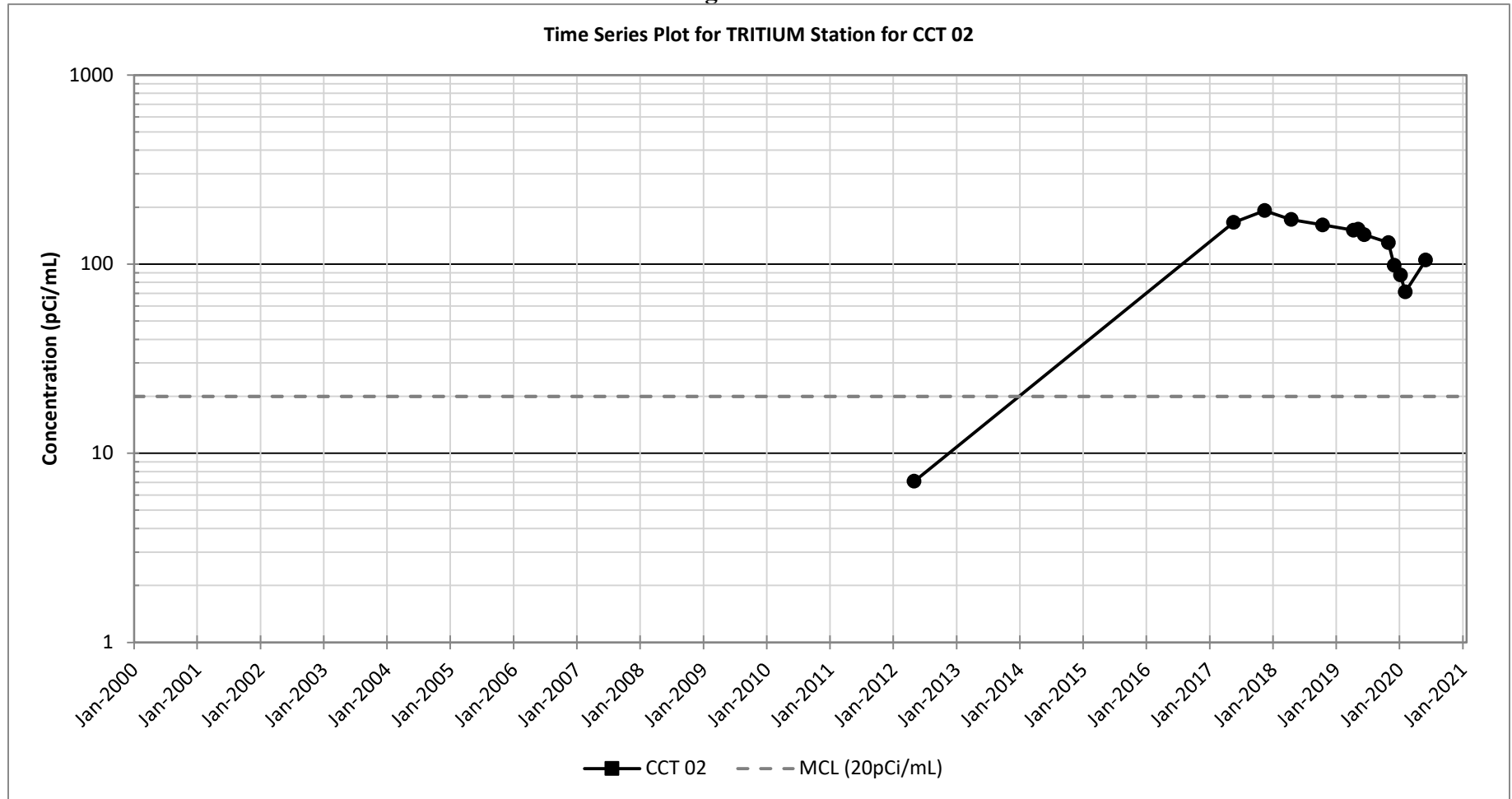


Figure C-118.

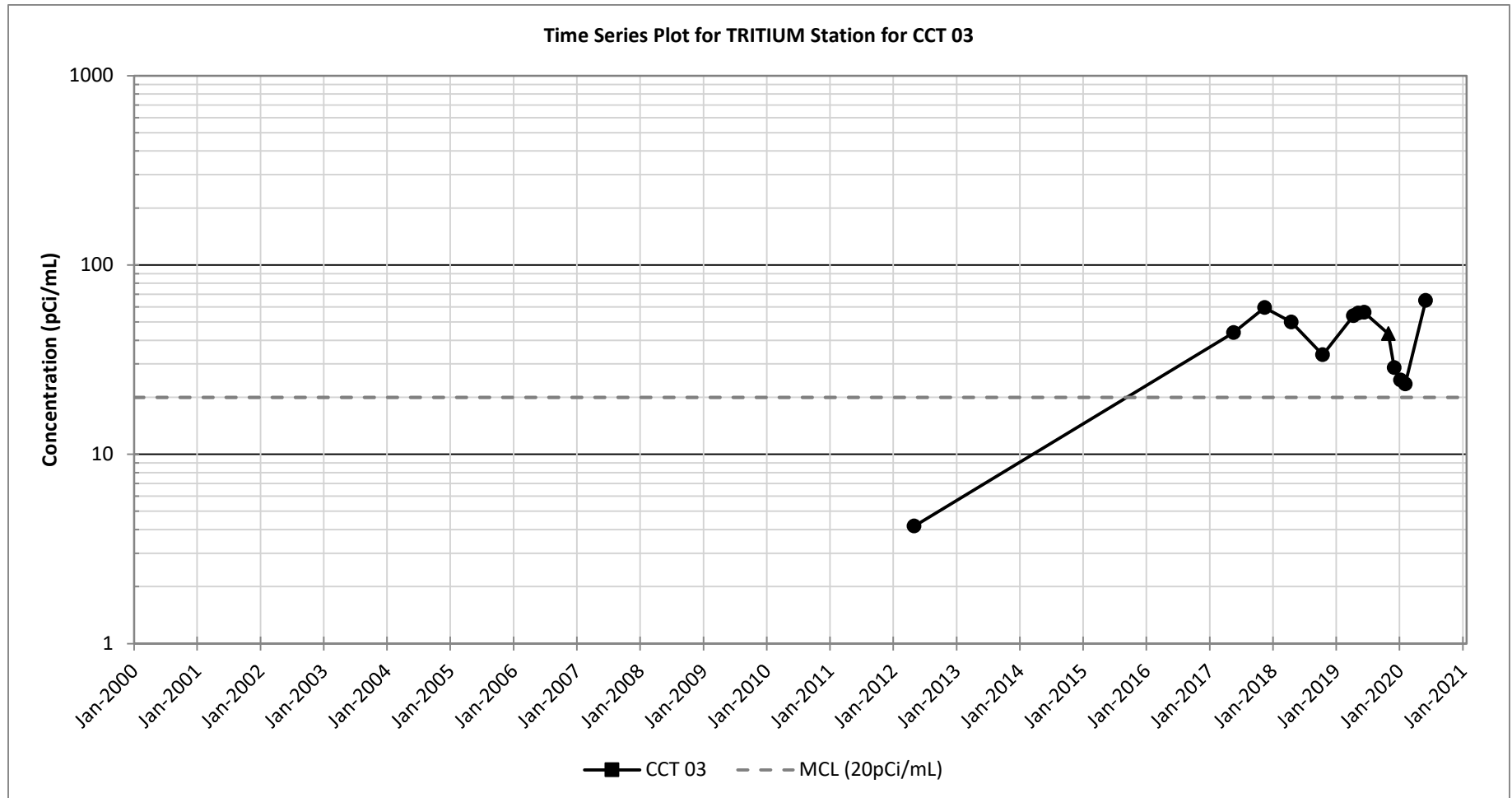


Figure C-119.

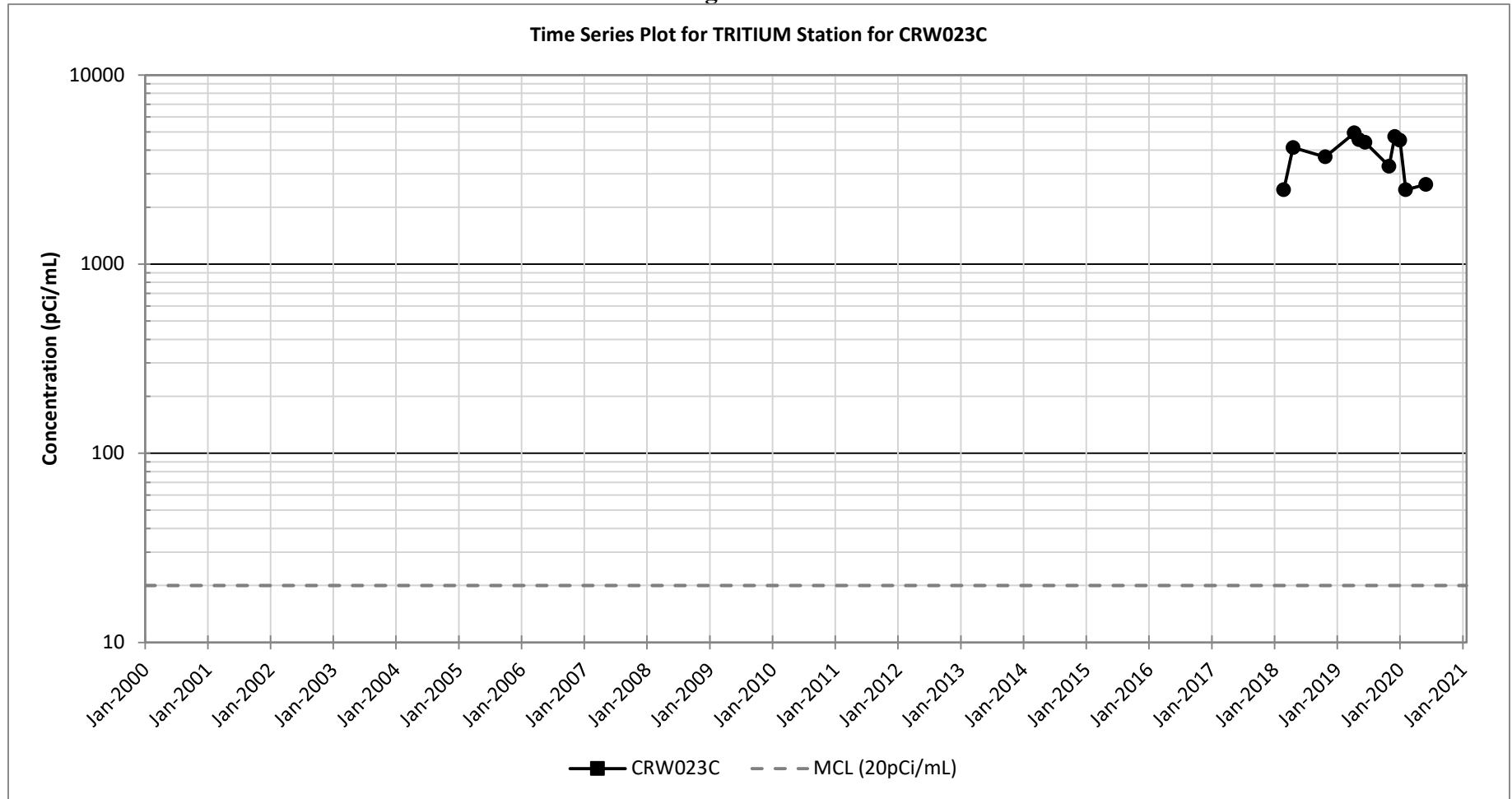


Figure C-120.

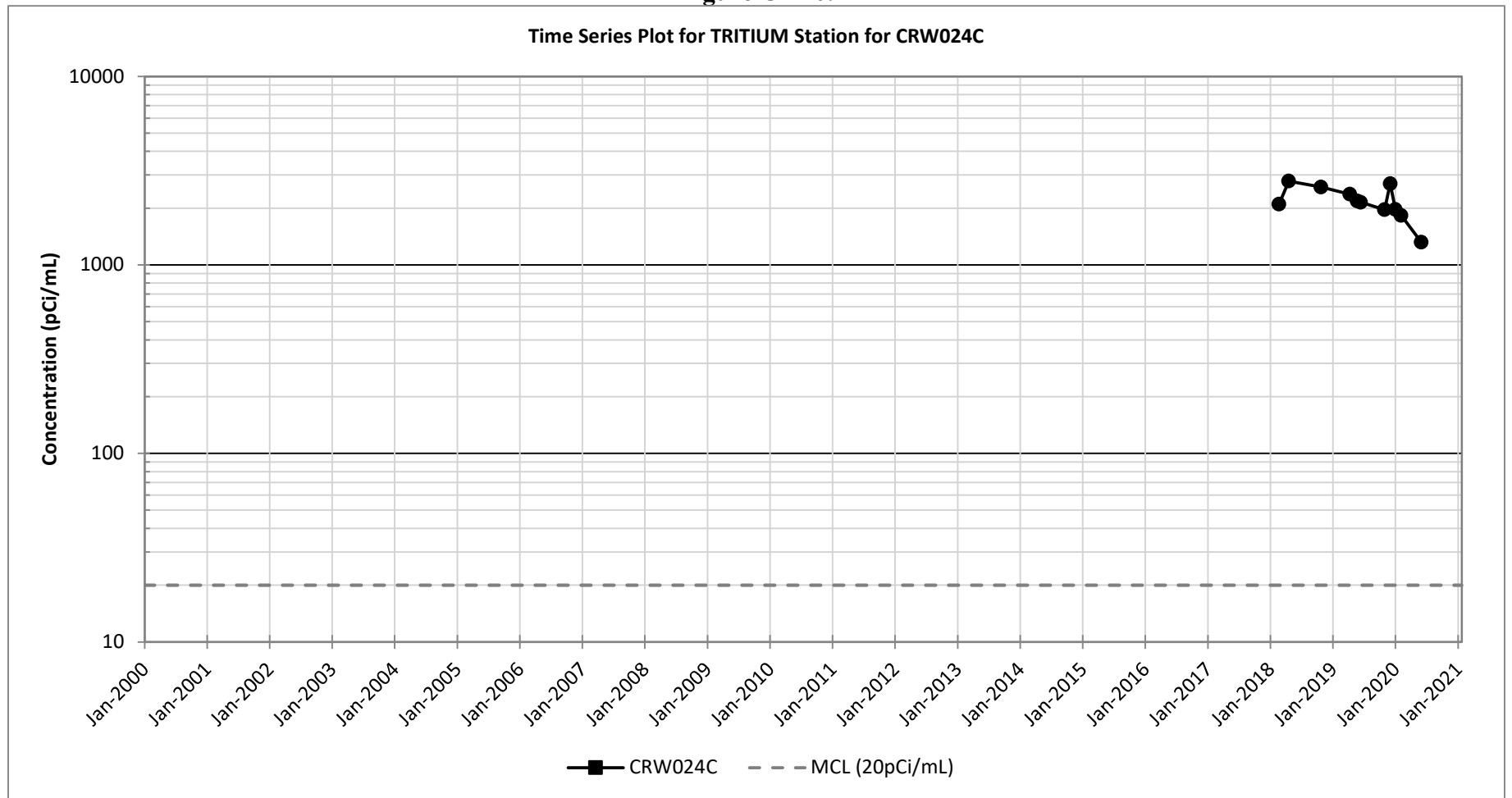


Figure C-121.

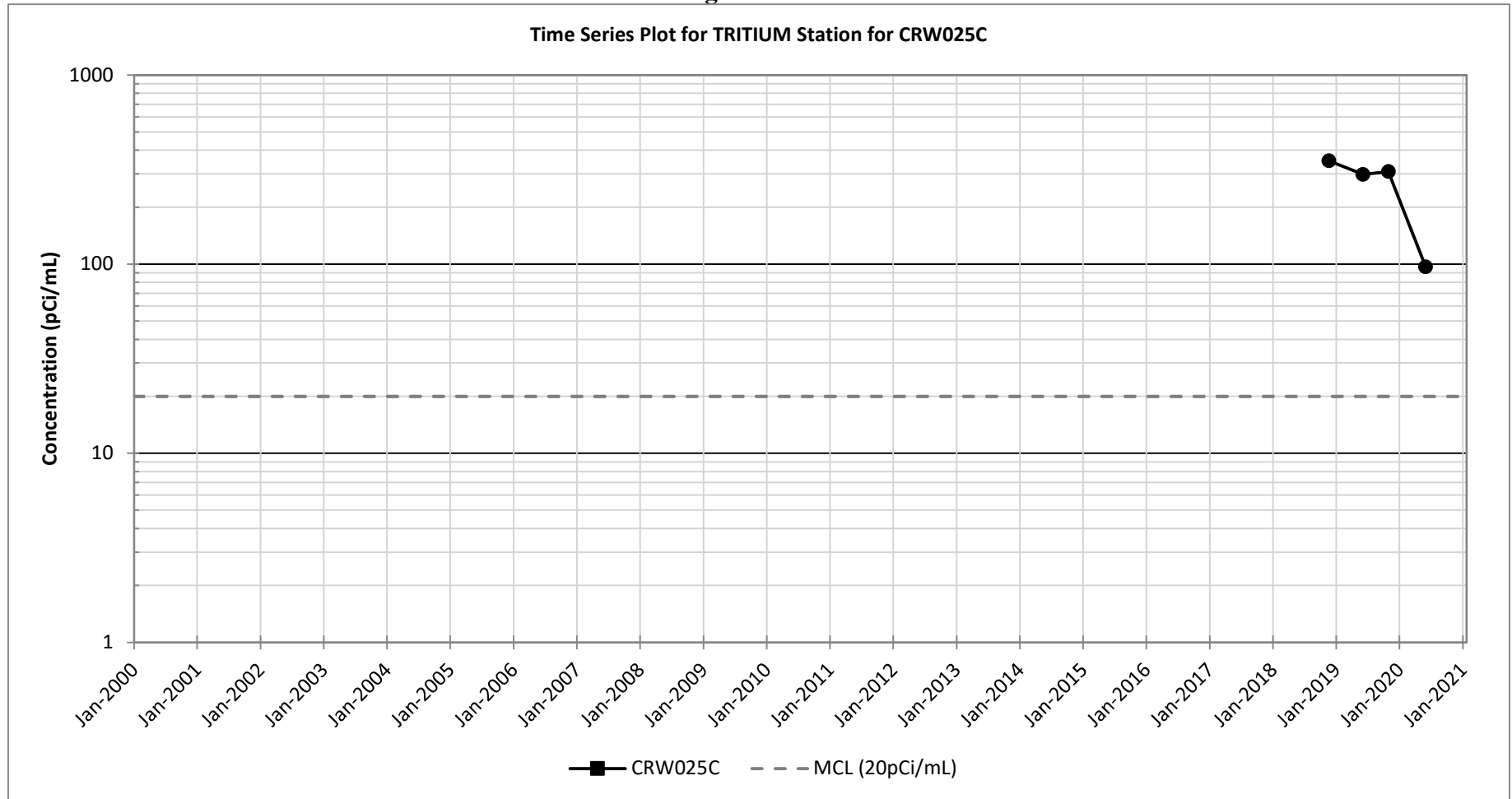


Figure C-122.

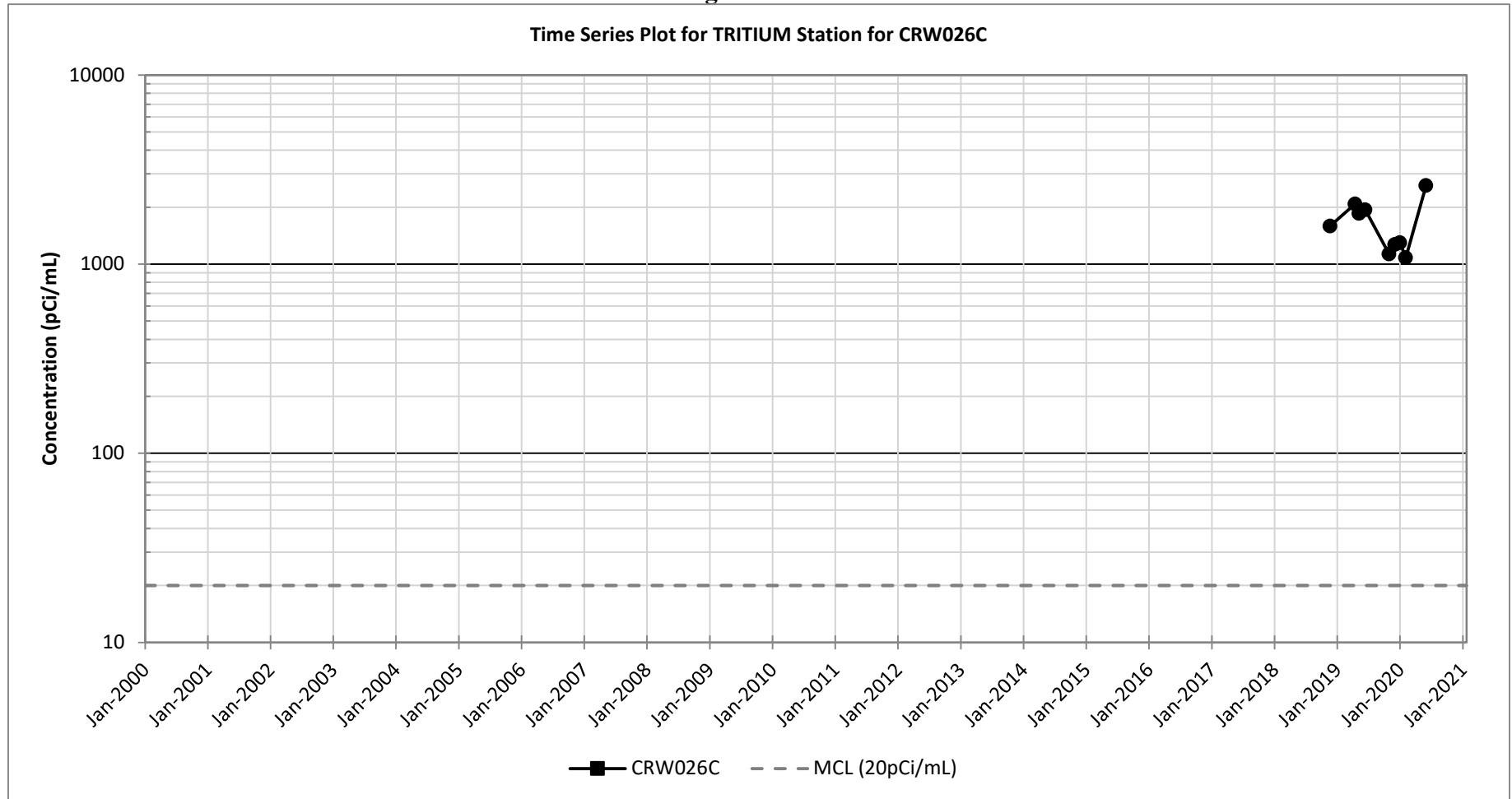


Figure C-123.

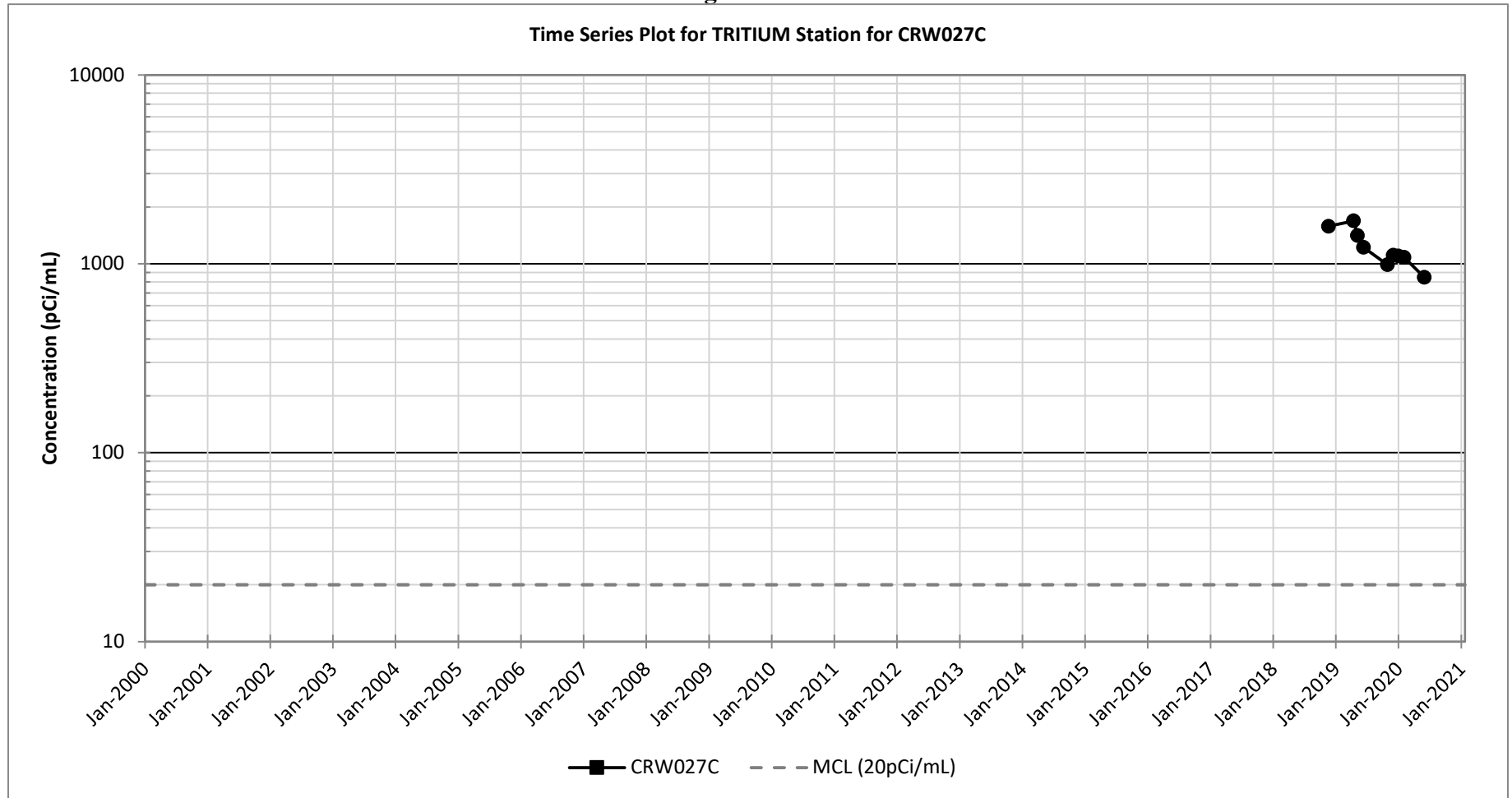


Figure C-124.

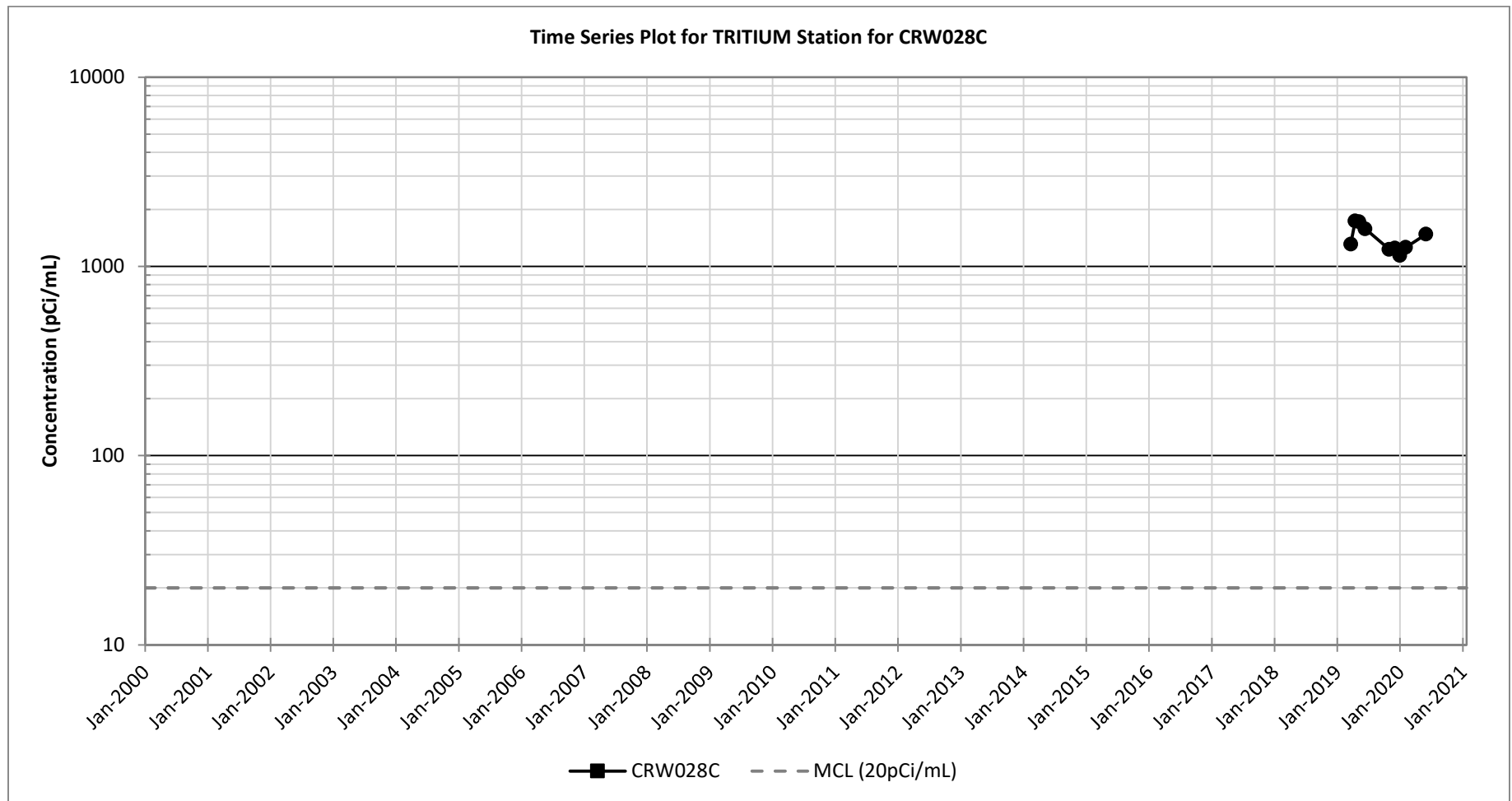


Figure C-125.

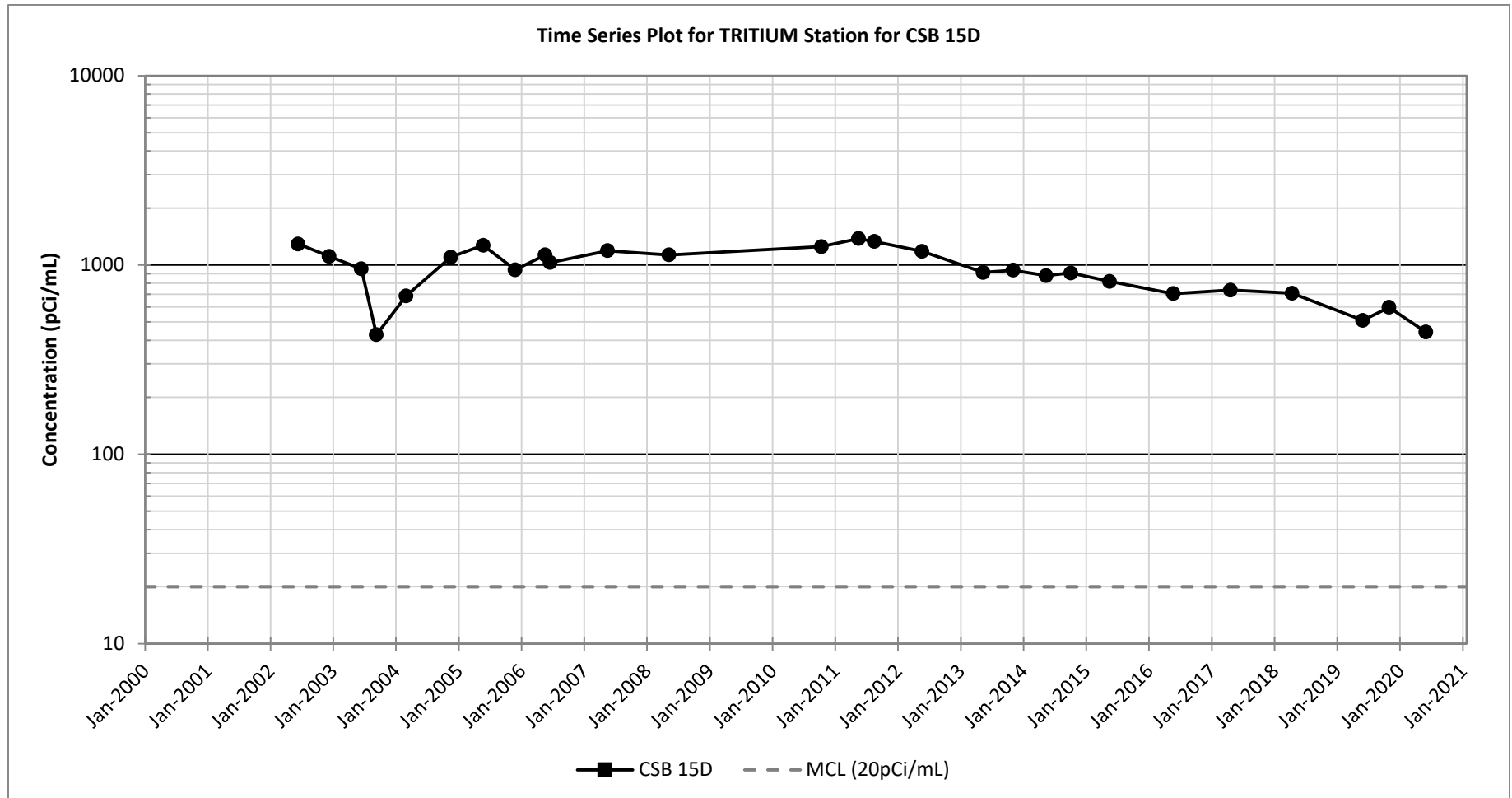
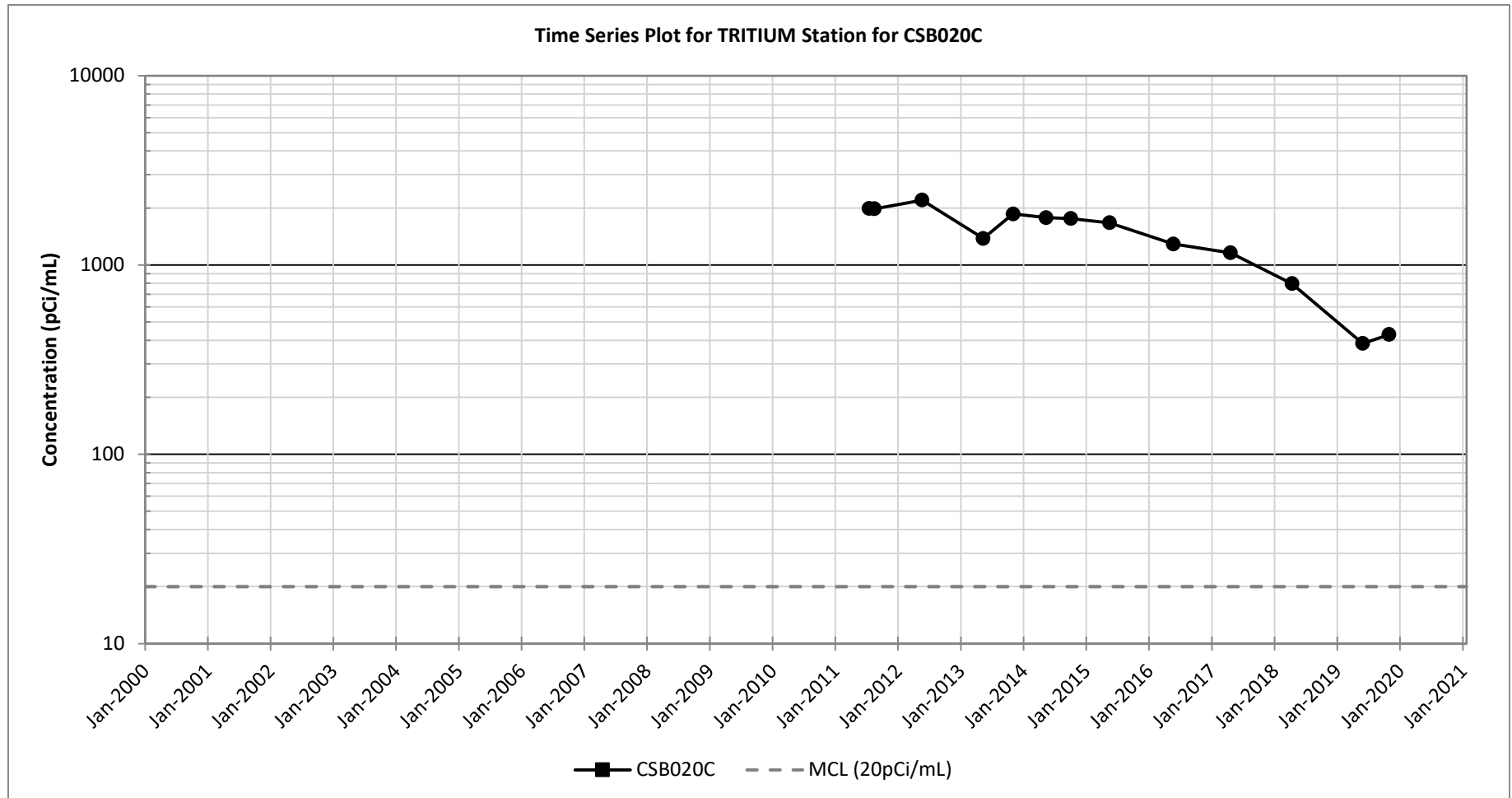


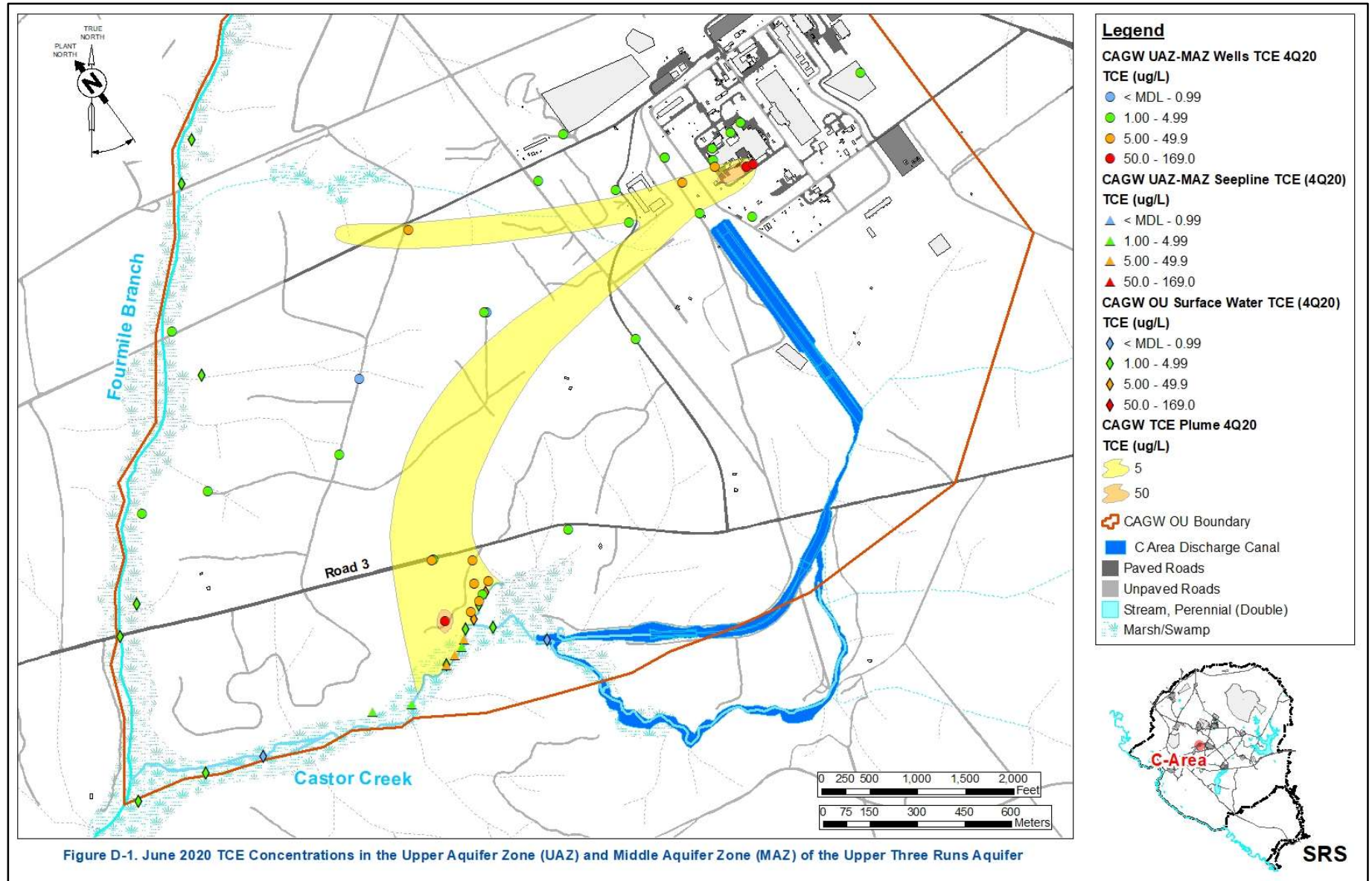
Figure C-126.

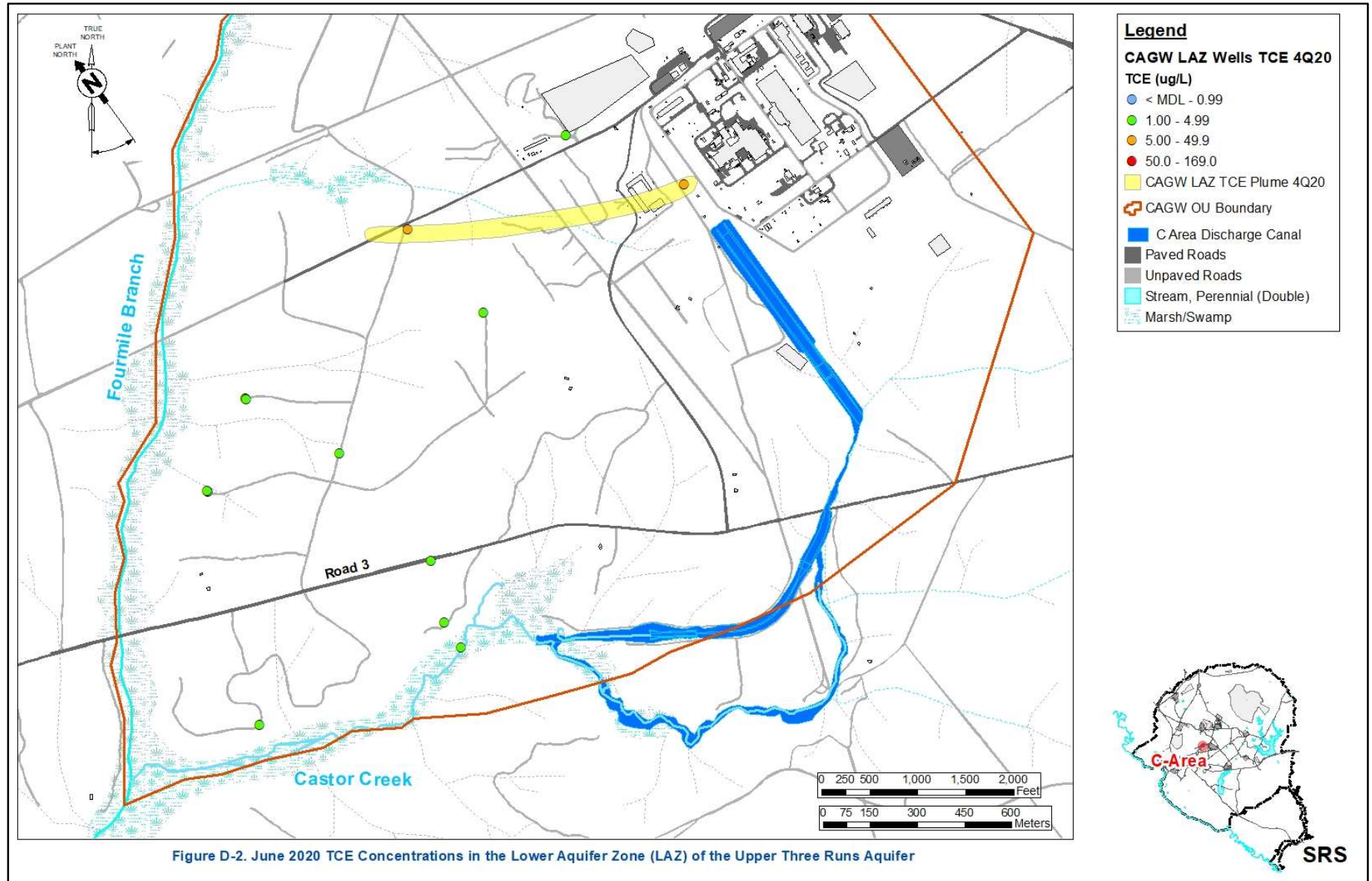


APPENDIX D

TCE Plume Maps

This page intentionally left blank.

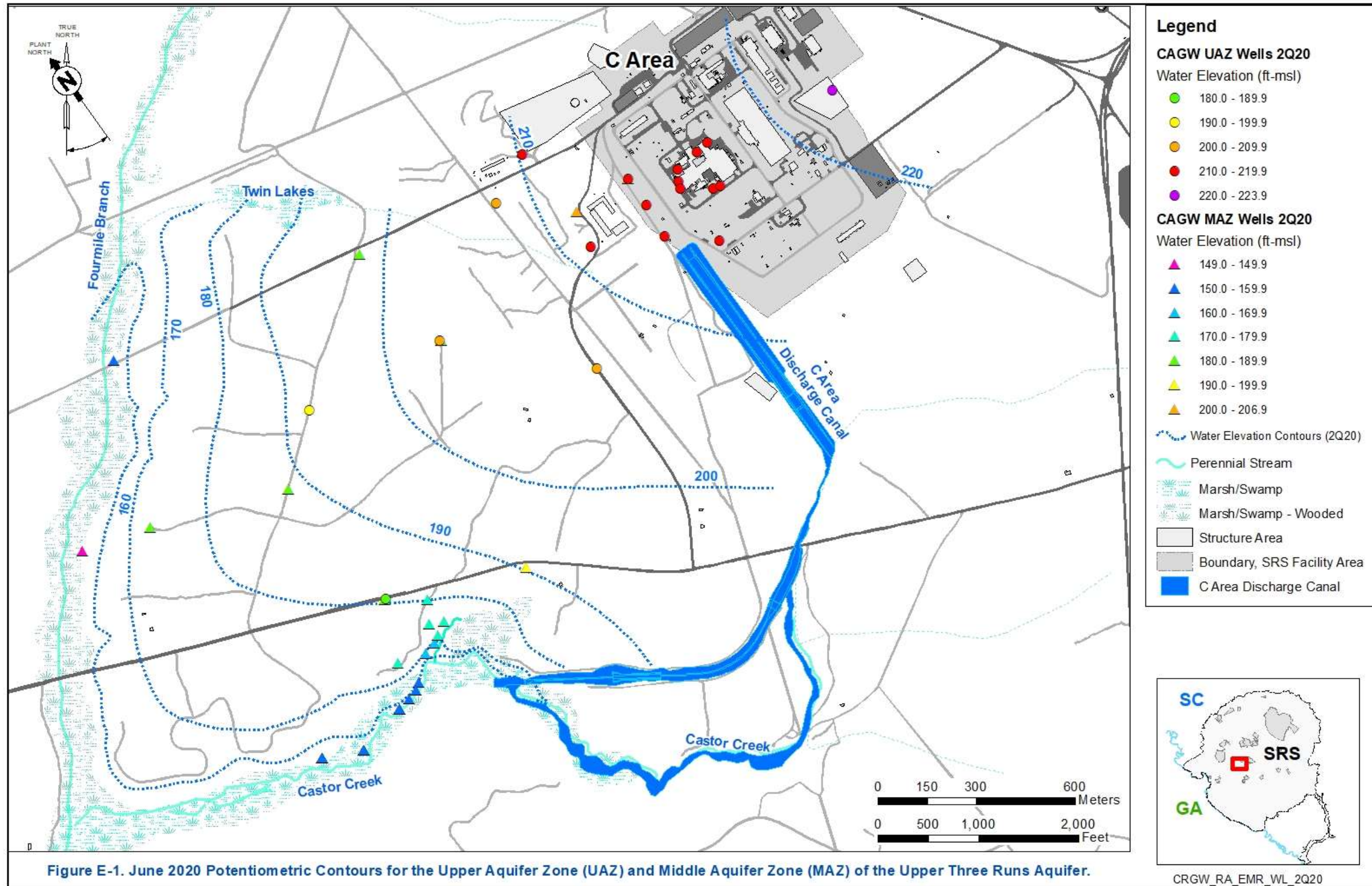




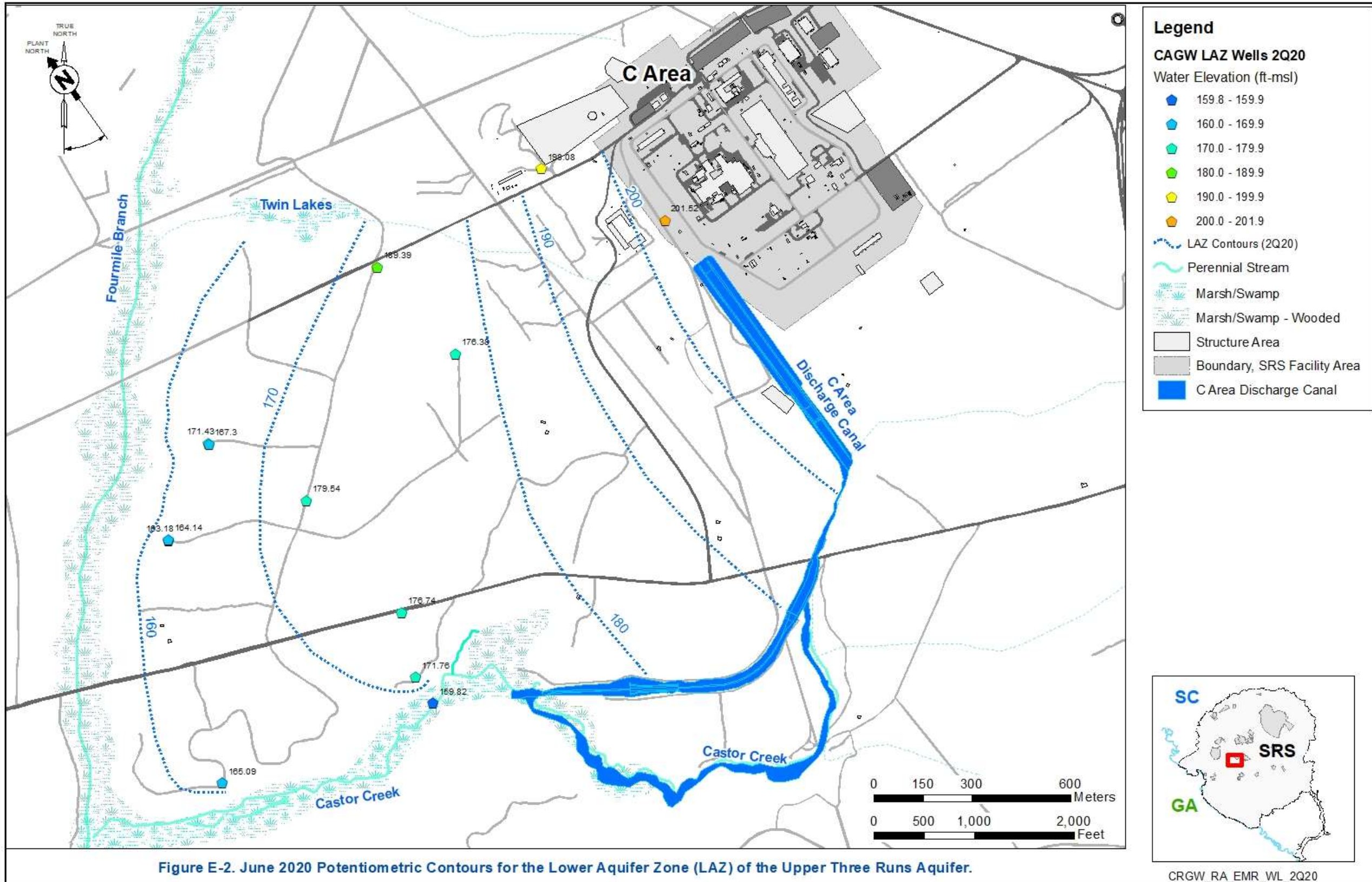
APPENDIX E

Potentiometric Maps

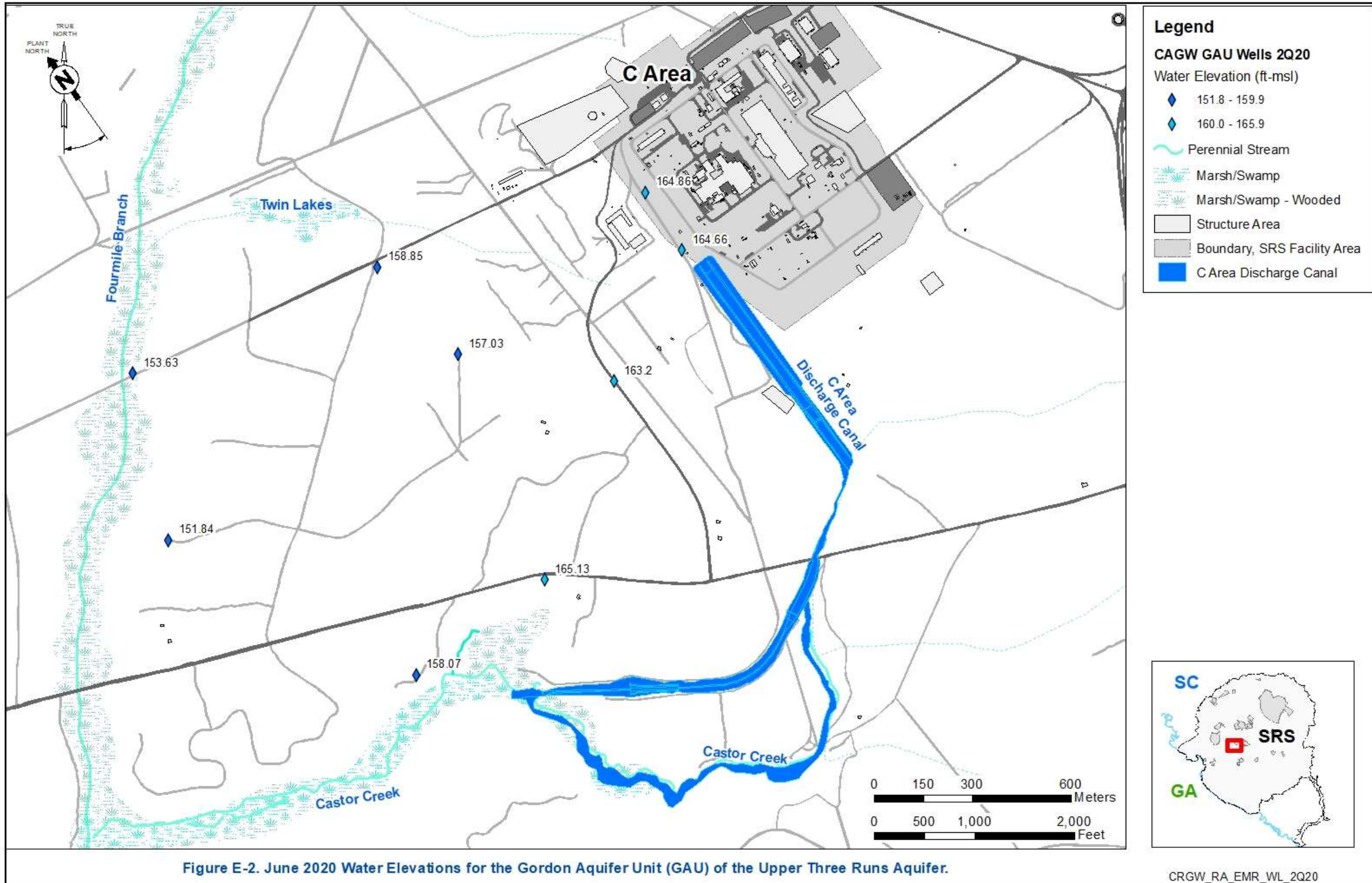
This page intentionally left blank.



This page was intentionally left blank.



This page was intentionally left blank.



This page was intentionally left blank.

APPENDIX F

CAGW OU Data

July 2017 through June 2020

This page intentionally left blank.

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CC 01	SURFACE WATER	11/27/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
CC 01	SURFACE WATER	11/27/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CC 01	SURFACE WATER	11/27/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	11/27/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	11/27/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	11/27/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	J	J	0.63	µg/L
CC 01	SURFACE WATER	11/27/17	TRITIUM	0.46	3.08			50.40	pCi/mL
CC 01	SURFACE WATER	5/1/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	5/1/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	5/1/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	5/1/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.39	µg/L
CC 01	SURFACE WATER	5/1/18	TRITIUM	0.47	3.21			54.20	pCi/mL
CC 01	SURFACE WATER	10/29/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	10/29/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	10/29/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	10/29/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	10/29/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.51	µg/L
CC 01	SURFACE WATER	10/29/18	TRITIUM	0.48	3.25			53.00	pCi/mL
CC 01	SURFACE WATER	6/18/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CC 01	SURFACE WATER	6/18/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	6/18/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	6/18/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	6/18/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	6/18/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.49	µg/L
CC 01	SURFACE WATER	6/18/19	TRITIUM	0.43	2.86			41.90	pCi/mL
CC 01	SURFACE WATER	11/13/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	11/13/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	11/13/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	11/13/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.45	µg/L
CC 01	SURFACE WATER	11/13/19	TRITIUM	0.61	3.95			43.70	pCi/mL
CC 01	SURFACE WATER	6/15/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CC 01	SURFACE WATER	6/15/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	6/15/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CC 01	SURFACE WATER	6/15/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	6/15/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 01	SURFACE WATER	6/15/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.42	µg/L
CC 01	SURFACE WATER	6/15/20	TRITIUM	0.58	3.46			34.40	pCi/mL
CC 02	SURFACE WATER	11/27/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
CC 02	SURFACE WATER	11/27/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CC 02	SURFACE WATER	11/27/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	11/27/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	11/27/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	11/27/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	J	J	0.44	µg/L
CC 02	SURFACE WATER	11/27/17	TRITIUM	0.46	3.09			50.90	pCi/mL
CC 02	SURFACE WATER	5/1/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	5/1/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	5/1/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	5/1/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	5/1/18	TRITIUM	0.47	3.12			49.70	pCi/mL
CC 02	SURFACE WATER	10/29/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	10/29/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	10/29/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	10/29/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	10/29/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.42	µg/L
CC 02	SURFACE WATER	10/29/18	TRITIUM	0.48	3.29			54.30	pCi/mL
CC 02	SURFACE WATER	6/18/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CC 02	SURFACE WATER	6/18/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	6/18/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	6/18/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	6/18/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	6/18/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.38	µg/L
CC 02	SURFACE WATER	6/18/19	TRITIUM	0.43	2.84			41.60	pCi/mL
CC 02	SURFACE WATER	11/13/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	11/13/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	11/13/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 02	SURFACE WATER	11/13/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CC 02	SURFACE WATER	11/13/19	TRITIUM	0.61	3.93			43.20	pCi/mL
CC 02	SURFACE WATER	6/15/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CC 02	SURFACE WATER	6/15/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CC 02	SURFACE WATER	6/15/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CC 02	SURFACE WATER	6/15/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CC 02	SURFACE WATER	6/15/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CC 02	SURFACE WATER	6/15/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CC 02	SURFACE WATER	6/15/20	TRITIUM	0.57	3.41			33.40	pCi/mL
CC 03	SURFACE WATER	11/28/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
CC 03	SURFACE WATER	11/28/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CC 03	SURFACE WATER	11/28/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	11/28/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	11/28/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	11/28/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	11/28/17	TRITIUM	0.48	2.96			43.50	pCi/mL
CC 03	SURFACE WATER	4/30/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	4/30/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	4/30/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	4/30/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	4/30/18	TRITIUM	0.44	2.68			33.80	pCi/mL
CC 03	SURFACE WATER	4/30/18	TRITIUM	0.44	2.69			34.20	pCi/mL
CC 03	SURFACE WATER	10/29/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	10/29/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	10/29/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	10/29/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	10/29/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	10/29/18	TRITIUM	0.50	2.81			34.60	pCi/mL
CC 03	SURFACE WATER	6/18/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CC 03	SURFACE WATER	6/18/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	6/18/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	6/18/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	6/18/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	6/18/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CC 03	SURFACE WATER	6/18/19	TRITIUM	0.46	2.76			35.20	pCi/mL
CC 03	SURFACE WATER	11/13/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	11/13/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	11/13/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	11/13/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CC 03	SURFACE WATER	11/13/19	TRITIUM	0.64	3.52			30.50	pCi/mL
CC 03	SURFACE WATER	6/15/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CC 03	SURFACE WATER	6/15/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CC 03	SURFACE WATER	6/15/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CC 03	SURFACE WATER	6/15/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CC 03	SURFACE WATER	6/15/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CC 03	SURFACE WATER	6/15/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CC 03	SURFACE WATER	6/15/20	TRITIUM	0.67	3.39			26.30	pCi/mL
CC 04	SURFACE WATER	11/27/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
CC 04	SURFACE WATER	11/27/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CC 04	SURFACE WATER	11/27/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	11/27/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	11/27/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	11/27/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	11/27/17	TRITIUM	0.47	3.01			47.10	pCi/mL
CC 04	SURFACE WATER	5/1/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	5/1/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	5/1/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	5/1/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	5/1/18	TRITIUM	0.48	2.97			42.60	pCi/mL
CC 04	SURFACE WATER	5/1/18	TRITIUM	0.49	2.97			42.20	pCi/mL
CC 04	SURFACE WATER	10/29/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	10/29/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	10/29/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	10/29/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	10/29/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	10/29/18	TRITIUM	0.49	2.92			40.10	pCi/mL
CC 04	SURFACE WATER	6/18/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CC 04	SURFACE WATER	6/18/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	6/18/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	6/18/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	6/18/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	6/18/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	6/18/19	TRITIUM	0.44	2.75			36.80	pCi/mL
CC 04	SURFACE WATER	11/13/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	11/13/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	11/13/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	11/13/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CC 04	SURFACE WATER	11/13/19	TRITIUM	0.63	3.71			35.20	pCi/mL
CC 04	SURFACE WATER	6/15/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CC 04	SURFACE WATER	6/15/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CC 04	SURFACE WATER	6/15/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CC 04	SURFACE WATER	6/15/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CC 04	SURFACE WATER	6/15/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CC 04	SURFACE WATER	6/15/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CC 04	SURFACE WATER	6/15/20	TRITIUM	0.63	3.35			28.00	pCi/mL
CC 06	SURFACE WATER	11/28/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
CC 06	SURFACE WATER	11/28/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CC 06	SURFACE WATER	11/28/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	11/28/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	11/28/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	11/28/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	J	J	0.79	µg/L
CC 06	SURFACE WATER	11/28/17	TRITIUM	0.45	1.07	J	J	0.80	pCi/mL
CC 06	SURFACE WATER	4/30/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	4/30/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	4/30/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	4/30/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.56	µg/L
CC 06	SURFACE WATER	4/30/18	TRITIUM	0.41	0.95	J	J	0.49	pCi/mL
CC 06	SURFACE WATER	10/29/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	10/29/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	10/29/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CC 06	SURFACE WATER	10/29/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	10/29/18	TRICHLOROETHYLENE (TCE)	0.33	1.00			1.39	µg/L
CC 06	SURFACE WATER	10/29/18	TRITIUM	0.48	1.07	U	U	0.34	pCi/mL
CC 06	SURFACE WATER	6/18/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CC 06	SURFACE WATER	6/18/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	6/18/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	6/18/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	6/18/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	6/18/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.75	µg/L
CC 06	SURFACE WATER	6/18/19	TRITIUM	0.43	0.98	J	J	0.55	pCi/mL
CC 06	SURFACE WATER	6/15/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CC 06	SURFACE WATER	6/15/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	6/15/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	6/15/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	6/15/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CC 06	SURFACE WATER	6/15/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.70	µg/L
CC 06	SURFACE WATER	6/15/20	TRITIUM	0.56	1.30	J		0.71	pCi/mL
CC 06	SURFACE WATER	6/15/20	TRITIUM	0.56	1.30	J		0.71	pCi/mL
CCSL-21R	SEEPLINE	10/31/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
CCSL-21R	SEEPLINE	10/31/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CCSL-21R	SEEPLINE	10/31/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	10/31/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	10/31/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	10/31/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	10/31/17	TRITIUM	0.57	5.01			122.00	pCi/mL
CCSL-21R	SEEPLINE	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	4/25/18	TRITIUM	0.68	5.53			131.00	pCi/mL
CCSL-21R	SEEPLINE	10/30/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	10/30/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	10/30/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCSL-21R	SEEPLINE	10/30/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	10/30/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	10/30/18	TRITIUM	0.62	5.08			116.00	pCi/mL
CCSL-21R	SEEPLINE	6/13/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CCSL-21R	SEEPLINE	6/13/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	6/13/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	6/13/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CCSL-21R	SEEPLINE	6/13/19	TOTAL ORGANIC CARBON	1.65	5.00			19.20	mg/L
CCSL-21R	SEEPLINE	6/13/19	TOTAL ORGANIC CARBON	1.65	5.00			19.00	mg/L
CCSL-21R	SEEPLINE	6/13/19	TOTAL ORGANIC CARBON	1.65	5.00			18.90	mg/L
CCSL-21R	SEEPLINE	6/13/19	TOTAL ORGANIC CARBON	1.65	5.00			18.80	mg/L
CCSL-21R	SEEPLINE	6/13/19	TOTAL ORGANIC CARBON	1.65	5.00			18.70	mg/L
CCSL-21R	SEEPLINE	6/13/19	TOTAL ORGANIC CARBON	1.65	5.00			17.80	mg/L
CCSL-21R	SEEPLINE	6/13/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	6/13/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	6/13/19	TRITIUM	0.53	5.58			146.00	pCi/mL
CCSL-21R	SEEPLINE	6/8/20	TOTAL ORGANIC CARBON	0.66	2.00			23.40	mg/L
CCSL-21R	SEEPLINE	6/8/20	TOTAL ORGANIC CARBON	0.66	2.00			23.30	mg/L
CCSL-21R	SEEPLINE	6/8/20	TOTAL ORGANIC CARBON	0.66	2.00			23.00	mg/L
CCSL-21R	SEEPLINE	6/8/20	TOTAL ORGANIC CARBON	0.66	2.00			22.90	mg/L
CCSL-21R	SEEPLINE	6/8/20	TOTAL ORGANIC CARBON	0.66	2.00			22.50	mg/L
CCSL-21R	SEEPLINE	6/8/20	TRITIUM	1.04	10.10			158.00	pCi/mL
CCSL-21R	SEEPLINE	6/8/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CCSL-21R	SEEPLINE	6/8/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	6/8/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	6/8/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	6/8/20	TOTAL ORGANIC CARBON	0.66	2.00			23.40	mg/L
CCSL-21R	SEEPLINE	6/8/20	TOTAL ORGANIC CARBON	0.66	2.00			23.30	mg/L
CCSL-21R	SEEPLINE	6/8/20	TOTAL ORGANIC CARBON	0.66	2.00			23.20	mg/L
CCSL-21R	SEEPLINE	6/8/20	TOTAL ORGANIC CARBON	0.66	2.00			23.10	mg/L
CCSL-21R	SEEPLINE	6/8/20	TOTAL ORGANIC CARBON	0.66	2.00			23.00	mg/L
CCSL-21R	SEEPLINE	6/8/20	TOTAL ORGANIC CARBON	0.66	2.00			22.50	mg/L
CCSL-21R	SEEPLINE	6/8/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCSL-21R	SEEPLINE	6/8/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CCSL-21R	SEEPLINE	6/8/20	TRITIUM	1.07	10.50			165.00	pCi/mL
CCSL-22R	SEEPLINE	10/30/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
CCSL-22R	SEEPLINE	10/30/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CCSL-22R	SEEPLINE	10/30/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	10/30/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	10/30/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	10/30/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	J	J	0.57	µg/L
CCSL-22R	SEEPLINE	10/30/17	TRITIUM	0.47	6.28			257.00	pCi/mL
CCSL-22R	SEEPLINE	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	4/25/18	TRITIUM	0.50	4.77			139.00	pCi/mL
CCSL-22R	SEEPLINE	10/31/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	10/31/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	10/31/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	10/31/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	10/31/18	TRICHLOROETHYLENE (TCE)	0.33	1.00			1.17	µg/L
CCSL-22R	SEEPLINE	10/31/18	TRITIUM	0.49	6.27			251.00	pCi/mL
CCSL-22R	SEEPLINE	6/13/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CCSL-22R	SEEPLINE	6/13/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	6/13/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	6/13/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CCSL-22R	SEEPLINE	6/13/19	TOTAL ORGANIC CARBON	0.33	1.00			9.66	mg/L
CCSL-22R	SEEPLINE	6/13/19	TOTAL ORGANIC CARBON	0.33	1.00			9.63	mg/L
CCSL-22R	SEEPLINE	6/13/19	TOTAL ORGANIC CARBON	0.33	1.00			9.53	mg/L
CCSL-22R	SEEPLINE	6/13/19	TOTAL ORGANIC CARBON	0.33	1.00			9.49	mg/L
CCSL-22R	SEEPLINE	6/13/19	TOTAL ORGANIC CARBON	0.33	1.00			9.16	mg/L
CCSL-22R	SEEPLINE	6/13/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	6/13/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.40	µg/L
CCSL-22R	SEEPLINE	6/13/19	TRITIUM	0.41	4.91			151.00	pCi/mL
CCSL-22R	SEEPLINE	6/16/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CCSL-22R	SEEPLINE	6/16/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	6/16/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	6/16/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	6/16/20	TOTAL ORGANIC CARBON	0.33	1.00			6.12	mg/L
CCSL-22R	SEEPLINE	6/16/20	TOTAL ORGANIC CARBON	0.33	1.00			6.10	mg/L
CCSL-22R	SEEPLINE	6/16/20	TOTAL ORGANIC CARBON	0.33	1.00			6.08	mg/L
CCSL-22R	SEEPLINE	6/16/20	TOTAL ORGANIC CARBON	0.33	1.00			6.08	mg/L
CCSL-22R	SEEPLINE	6/16/20	TOTAL ORGANIC CARBON	0.33	1.00			6.05	mg/L
CCSL-22R	SEEPLINE	6/16/20	TOTAL ORGANIC CARBON	0.33	1.00			6.02	mg/L
CCSL-22R	SEEPLINE	6/16/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	6/16/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CCSL-22R	SEEPLINE	6/16/20	TRITIUM	0.59	6.97			162.00	pCi/mL
CDB 1	MONITORING WELL	10/30/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
CDB 1	MONITORING WELL	10/30/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CDB 1	MONITORING WELL	10/30/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	10/30/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	J	J	0.93	µg/L
CDB 1	MONITORING WELL	10/30/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	10/30/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	10/30/17	TRITIUM	0.46	1.12			1.25	pCi/mL
CDB 1	MONITORING WELL	4/23/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	4/23/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	4/23/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00			1.14	µg/L
CDB 1	MONITORING WELL	4/23/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	4/23/18	TRITIUM	0.49	1.16	J	J	1.10	pCi/mL
CDB 1	MONITORING WELL	10/31/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	10/31/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	10/31/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.95	µg/L
CDB 1	MONITORING WELL	10/31/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	10/31/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	10/31/18	TRITIUM	0.48	1.18			1.48	pCi/mL
CDB 1	MONITORING WELL	6/10/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CDB 1	MONITORING WELL	6/10/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	6/10/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CDB 1	MONITORING WELL	6/10/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00			1.02	µg/L
CDB 1	MONITORING WELL	6/10/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	6/10/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	6/10/19	TRITIUM	0.40	0.99			1.12	pCi/mL
CDB 1	MONITORING WELL	6/8/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CDB 1	MONITORING WELL	6/8/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	6/8/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	6/8/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00			1.08	µg/L
CDB 1	MONITORING WELL	6/8/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	6/8/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CDB 1	MONITORING WELL	6/8/20	TRITIUM	0.64	1.54	J		1.08	pCi/mL
CDB 2	MONITORING WELL	10/30/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
CDB 2	MONITORING WELL	10/30/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CDB 2	MONITORING WELL	10/30/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	10/30/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	10/30/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	10/30/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	10/30/17	TRITIUM	0.46	5.22			176.00	pCi/mL
CDB 2	MONITORING WELL	4/23/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	4/23/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	4/23/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	4/23/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	4/23/18	TRITIUM	0.48	4.66			134.00	pCi/mL
CDB 2	MONITORING WELL	10/31/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	10/31/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	10/31/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	10/31/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	10/31/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	10/31/18	TRITIUM	0.48	5.00			158.00	pCi/mL
CDB 2	MONITORING WELL	6/10/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CDB 2	MONITORING WELL	6/10/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	6/10/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	6/10/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CDB 2	MONITORING WELL	6/10/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	6/10/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CDB 2	MONITORING WELL	6/10/19	TRITIUM	0.39	3.79			89.90	pCi/mL
CDB 2	MONITORING WELL	6/8/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CDB 2	MONITORING WELL	6/8/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CDB 2	MONITORING WELL	6/8/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CDB 2	MONITORING WELL	6/8/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CDB 2	MONITORING WELL	6/8/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CDB 2	MONITORING WELL	6/8/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CDB 2	MONITORING WELL	6/8/20	TRITIUM	0.63	6.55			111.00	pCi/mL
CDB003D	MONITORING WELL	10/30/17	TRITIUM	0.45	1.65			9.11	pCi/mL
CDB003D	MONITORING WELL	10/30/17	TRITIUM	0.81	2.89			10.20	pCi/mL
CDB003D	MONITORING WELL	10/30/17	1,2-DICHLOROETHYLENE	0.14	2.00	J	J	0.64	µg/L
CDB003D	MONITORING WELL	10/30/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CDB003D	MONITORING WELL	10/30/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	J	J	0.64	µg/L
CDB003D	MONITORING WELL	10/30/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	J	J	0.46	µg/L
CDB003D	MONITORING WELL	10/30/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CDB003D	MONITORING WELL	10/30/17	TRICHLOROETHYLENE (TCE)	0.25	1.00			7.00	µg/L
CDB003D	MONITORING WELL	10/30/17	TRITIUM	0.46	1.67			9.37	pCi/mL
CDB003D	MONITORING WELL	4/23/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CDB003D	MONITORING WELL	4/23/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB003D	MONITORING WELL	4/23/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.44	µg/L
CDB003D	MONITORING WELL	4/23/18	TRICHLOROETHYLENE (TCE)	0.33	1.00			48.30	µg/L
CDB003D	MONITORING WELL	4/23/18	TRITIUM	0.49	1.76			10.20	pCi/mL
CDB003D	MONITORING WELL	10/31/18	TRITIUM	0.48	1.78			11.00	pCi/mL
CDB003D	MONITORING WELL	10/31/18	TRITIUM	0.34	1.78			12.36	pCi/mL
CDB003D	MONITORING WELL	10/31/18	TRITIUM	0.34	1.76			12.00	pCi/mL
CDB003D	MONITORING WELL	10/31/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CDB003D	MONITORING WELL	10/31/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB003D	MONITORING WELL	10/31/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.43	µg/L
CDB003D	MONITORING WELL	10/31/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB003D	MONITORING WELL	10/31/18	TRICHLOROETHYLENE (TCE)	0.33	1.00			81.80	µg/L
CDB003D	MONITORING WELL	10/31/18	TRITIUM	0.48	1.80			11.10	pCi/mL

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CDB003D	MONITORING WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CDB003D	MONITORING WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CDB003D	MONITORING WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB003D	MONITORING WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.39	µg/L
CDB003D	MONITORING WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB003D	MONITORING WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00			38.40	µg/L
CDB003D	MONITORING WELL	6/11/19	TRITIUM	0.43	1.58			8.09	pCi/mL
CDB003D	MONITORING WELL	6/8/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CDB003D	MONITORING WELL	6/8/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CDB003D	MONITORING WELL	6/8/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB003D	MONITORING WELL	6/8/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CDB003D	MONITORING WELL	6/8/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CDB003D	MONITORING WELL	6/8/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			22.20	µg/L
CDB003D	MONITORING WELL	6/8/20	TRITIUM	0.63	2.39			8.57	pCi/mL
CRP 5C	MONITORING WELL	4/23/18	TRITIUM	0.48	2.00			15.50	pCi/mL
CRP 5C	MONITORING WELL	6/11/19	TRITIUM	0.41	1.85			13.80	pCi/mL
CRP 5C	MONITORING WELL	6/8/20	TRITIUM	0.64	2.90			14.70	pCi/mL
CRP 5C	MONITORING WELL	6/8/20	TRITIUM	0.65	2.93			14.90	pCi/mL
CRP 5D	MONITORING WELL	4/23/18	TRITIUM	0.29	0.71	J	J	0.54	pCi/mL
CRP 5D	MONITORING WELL	4/23/18	TRITIUM	0.30	0.74	J	J	0.66	pCi/mL
CRP 5D	MONITORING WELL	4/23/18	TRITIUM	0.49	1.12	J	J	0.59	pCi/mL
CRP 5D	MONITORING WELL	6/11/19	TRITIUM	0.42	0.98	J	J	0.55	pCi/mL
CRP 5D	MONITORING WELL	6/8/20	TRITIUM	0.63	1.43	U		0.59	pCi/mL
CRP 6DR	MONITORING WELL	4/23/18	TRITIUM	0.49	1.24			1.91	pCi/mL
CRP 6DR	MONITORING WELL	6/10/19	TRITIUM	0.40	0.99	J	J	0.98	pCi/mL
CRP 6DR	MONITORING WELL	6/10/19	TRITIUM	0.40	1.00			1.19	pCi/mL
CRW 1D	ML MONITOR WELL	10/30/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
CRW 1D	ML MONITOR WELL	10/30/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CRW 1D	ML MONITOR WELL	10/30/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	10/30/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	10/30/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	10/30/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	10/30/17	TRITIUM	0.38	0.96			1.10	pCi/mL

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW 1D	ML MONITOR WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	4/25/18	TRITIUM	0.49	1.17	J	J	1.08	pCi/mL
CRW 1D	ML MONITOR WELL	10/31/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	10/31/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	10/31/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	10/31/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	10/31/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	10/31/18	TRITIUM	0.48	1.16			1.16	pCi/mL
CRW 1D	ML MONITOR WELL	10/31/18	TRITIUM	0.48	1.17			1.28	pCi/mL
CRW 1D	ML MONITOR WELL	6/10/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 1D	ML MONITOR WELL	6/10/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	6/10/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	6/10/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	6/10/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	6/10/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	6/10/19	TRITIUM	0.40	0.98			1.03	pCi/mL
CRW 1D	ML MONITOR WELL	11/14/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	11/14/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	11/14/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	11/14/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 1D	ML MONITOR WELL	11/14/19	TRITIUM	0.58	1.40	J	J	1.20	pCi/mL
CRW 1D	ML MONITOR WELL	6/8/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CRW 1D	ML MONITOR WELL	6/8/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CRW 1D	ML MONITOR WELL	6/8/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CRW 1D	ML MONITOR WELL	6/8/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CRW 1D	ML MONITOR WELL	6/8/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CRW 1D	ML MONITOR WELL	6/8/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CRW 1D	ML MONITOR WELL	6/8/20	TRITIUM	0.52	1.21	J		0.72	pCi/mL
CRW 4A	ML MONITOR WELL	4/30/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 4A	ML MONITOR WELL	4/30/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW 4A	ML MONITOR WELL	4/30/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 4A	ML MONITOR WELL	4/30/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 4A	ML MONITOR WELL	4/30/18	TRITIUM	0.46	1.02	U	U	0.24	pCi/mL
CRW 4A	ML MONITOR WELL	4/30/18	TRITIUM	0.46	1.00	U	U	0.02	pCi/mL
CRW 4A	ML MONITOR WELL	6/10/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 4A	ML MONITOR WELL	6/10/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 4A	ML MONITOR WELL	6/10/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 4A	ML MONITOR WELL	6/10/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 4A	ML MONITOR WELL	6/10/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 4A	ML MONITOR WELL	6/10/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 4A	ML MONITOR WELL	6/10/19	TRITIUM	0.40	0.84	U	U	-0.09	pCi/mL
CRW 4A	ML MONITOR WELL	6/10/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 4A	ML MONITOR WELL	6/10/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 4A	ML MONITOR WELL	6/10/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 4A	ML MONITOR WELL	6/10/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 4A	ML MONITOR WELL	6/10/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 4A	ML MONITOR WELL	6/10/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 4C	ML MONITOR WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 4C	ML MONITOR WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 4C	ML MONITOR WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 4C	ML MONITOR WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 4C	ML MONITOR WELL	4/25/18	TRITIUM	0.50	1.04	U	U	-0.29	pCi/mL
CRW 4C	ML MONITOR WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 4C	ML MONITOR WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 4C	ML MONITOR WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 4C	ML MONITOR WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 4C	ML MONITOR WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 4C	ML MONITOR WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 4C	ML MONITOR WELL	6/11/19	TRITIUM	0.41	0.89	U	U	0.08	pCi/mL
CRW 4C	ML MONITOR WELL	6/8/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CRW 4C	ML MONITOR WELL	6/8/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CRW 4C	ML MONITOR WELL	6/8/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CRW 4C	ML MONITOR WELL	6/8/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW 4C	ML MONITOR WELL	6/8/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CRW 4C	ML MONITOR WELL	6/8/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CRW 4C	ML MONITOR WELL	6/8/20	TRITIUM	0.55	1.13	U		-0.17	pCi/mL
CRW 4D	ML MONITOR WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 4D	ML MONITOR WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 4D	ML MONITOR WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 4D	ML MONITOR WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 4D	ML MONITOR WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 4D	ML MONITOR WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 4D	ML MONITOR WELL	6/11/19	TRITIUM	0.41	1.50			7.39	pCi/mL
CRW 4D	ML MONITOR WELL	6/10/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 4D	ML MONITOR WELL	6/10/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 4D	ML MONITOR WELL	6/10/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 4D	ML MONITOR WELL	6/10/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 4D	ML MONITOR WELL	6/10/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 4D	ML MONITOR WELL	6/10/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 5A	ML MONITOR WELL	4/30/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 5A	ML MONITOR WELL	4/30/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 5A	ML MONITOR WELL	4/30/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 5A	ML MONITOR WELL	4/30/18	TRICHLOROETHYLENE (TCE)	0.33	1.00			5.41	µg/L
CRW 5A	ML MONITOR WELL	4/30/18	TRITIUM	0.45	1.16			1.74	pCi/mL
CRW 5A	ML MONITOR WELL	6/10/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 5A	ML MONITOR WELL	6/10/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 5A	ML MONITOR WELL	6/10/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 5A	ML MONITOR WELL	6/10/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 5A	ML MONITOR WELL	6/10/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 5A	ML MONITOR WELL	6/10/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 5A	ML MONITOR WELL	6/10/19	TRITIUM	0.40	0.85	U	U	-0.03	pCi/mL
CRW 5A	ML MONITOR WELL	6/10/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 5A	ML MONITOR WELL	6/10/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 5A	ML MONITOR WELL	6/10/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 5A	ML MONITOR WELL	6/10/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 5A	ML MONITOR WELL	6/10/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW 5A	ML MONITOR WELL	6/10/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 5D	ML MONITOR WELL	4/26/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 5D	ML MONITOR WELL	4/26/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 5D	ML MONITOR WELL	4/26/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 5D	ML MONITOR WELL	4/26/18	TRICHLOROETHYLENE (TCE)	0.33	1.00			4.78	µg/L
CRW 5D	ML MONITOR WELL	4/26/18	TRITIUM	0.46	1.16			1.57	pCi/mL
CRW 5D	ML MONITOR WELL	6/10/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 5D	ML MONITOR WELL	6/10/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 5D	ML MONITOR WELL	6/10/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 5D	ML MONITOR WELL	6/10/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 5D	ML MONITOR WELL	6/10/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 5D	ML MONITOR WELL	6/10/19	TRICHLOROETHYLENE (TCE)	0.33	1.00			4.30	µg/L
CRW 5D	ML MONITOR WELL	6/10/19	TRITIUM	0.40	0.99			1.12	pCi/mL
CRW 5D	ML MONITOR WELL	6/10/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 5D	ML MONITOR WELL	6/10/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 5D	ML MONITOR WELL	6/10/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 5D	ML MONITOR WELL	6/10/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 5D	ML MONITOR WELL	6/10/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 5D	ML MONITOR WELL	6/10/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			2.09	µg/L
CRW 7A	ML MONITOR WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 7A	ML MONITOR WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 7A	ML MONITOR WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 7A	ML MONITOR WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 7A	ML MONITOR WELL	4/25/18	TRITIUM	0.50	1.07	U	U	-0.11	pCi/mL
CRW 7A	ML MONITOR WELL	6/10/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 7A	ML MONITOR WELL	6/10/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 7A	ML MONITOR WELL	6/10/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 7A	ML MONITOR WELL	6/10/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 7A	ML MONITOR WELL	6/10/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 7A	ML MONITOR WELL	6/10/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 7A	ML MONITOR WELL	6/10/19	TRITIUM	0.40	0.86	U	U	0.02	pCi/mL
CRW 7A	ML MONITOR WELL	6/10/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 7A	ML MONITOR WELL	6/10/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW 7A	ML MONITOR WELL	6/10/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 7A	ML MONITOR WELL	6/10/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 7A	ML MONITOR WELL	6/10/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 7A	ML MONITOR WELL	6/10/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 7D	ML MONITOR WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 7D	ML MONITOR WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 7D	ML MONITOR WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 7D	ML MONITOR WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 7D	ML MONITOR WELL	4/25/18	TRITIUM	0.50	1.19	J	J	1.09	pCi/mL
CRW 7D	ML MONITOR WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 7D	ML MONITOR WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 7D	ML MONITOR WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 7D	ML MONITOR WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 7D	ML MONITOR WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 7D	ML MONITOR WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 7D	ML MONITOR WELL	6/11/19	TRITIUM	0.41	1.04			1.35	pCi/mL
CRW 7D	ML MONITOR WELL	6/10/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 7D	ML MONITOR WELL	6/10/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 7D	ML MONITOR WELL	6/10/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 7D	ML MONITOR WELL	6/10/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 7D	ML MONITOR WELL	6/10/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 7D	ML MONITOR WELL	6/10/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 9A	MONITORING WELL	4/23/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 9A	MONITORING WELL	4/23/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 9A	MONITORING WELL	4/23/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 9A	MONITORING WELL	4/23/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 9A	MONITORING WELL	4/23/18	TRITIUM	0.48	1.18			1.39	pCi/mL
CRW 9A	MONITORING WELL	6/10/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 9A	MONITORING WELL	6/10/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 9A	MONITORING WELL	6/10/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 9A	MONITORING WELL	6/10/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 9A	MONITORING WELL	6/10/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 9A	MONITORING WELL	6/10/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW 9A	MONITORING WELL	6/10/19	TRITIUM	0.40	0.94	J	J	0.70	pCi/mL
CRW 9A	MONITORING WELL	6/10/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 9A	MONITORING WELL	6/10/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 9A	MONITORING WELL	6/10/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 9A	MONITORING WELL	6/10/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 9A	MONITORING WELL	6/10/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 9A	MONITORING WELL	6/10/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 10A	ML MONITOR WELL	5/1/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 10A	ML MONITOR WELL	5/1/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 10A	ML MONITOR WELL	5/1/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 10A	ML MONITOR WELL	5/1/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 10A	ML MONITOR WELL	5/1/18	TRITIUM	0.49	1.05	U	U	-0.08	pCi/mL
CRW 10A	ML MONITOR WELL	6/10/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 10A	ML MONITOR WELL	6/10/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 10A	ML MONITOR WELL	6/10/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 10A	ML MONITOR WELL	6/10/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 10A	ML MONITOR WELL	6/10/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 10A	ML MONITOR WELL	6/10/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 10A	ML MONITOR WELL	6/10/19	TRITIUM	0.40	0.84	U	U	-0.10	pCi/mL
CRW 10A	ML MONITOR WELL	6/10/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 10A	ML MONITOR WELL	6/10/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 10A	ML MONITOR WELL	6/10/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 10A	ML MONITOR WELL	6/10/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 10A	ML MONITOR WELL	6/10/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 10A	ML MONITOR WELL	6/10/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 10C	ML MONITOR WELL	4/30/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 10C	ML MONITOR WELL	4/30/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 10C	ML MONITOR WELL	4/30/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00			1.55	µg/L
CRW 10C	ML MONITOR WELL	4/30/18	TRICHLOROETHYLENE (TCE)	0.33	1.00			11.40	µg/L
CRW 10C	ML MONITOR WELL	4/30/18	TRITIUM	0.46	1.61			8.11	pCi/mL
CRW 10C	ML MONITOR WELL	4/30/18	TRITIUM	0.32	1.41			7.64	pCi/mL
CRW 10C	ML MONITOR WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 10C	ML MONITOR WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW 10C	ML MONITOR WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 10C	ML MONITOR WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00			1.50	µg/L
CRW 10C	ML MONITOR WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 10C	ML MONITOR WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00			9.02	µg/L
CRW 10C	ML MONITOR WELL	6/11/19	TRITIUM	0.41	1.64			9.60	pCi/mL
CRW 10C	ML MONITOR WELL	6/10/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 10C	ML MONITOR WELL	6/10/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 10C	ML MONITOR WELL	6/10/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 10C	ML MONITOR WELL	6/10/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00			1.68	µg/L
CRW 10C	ML MONITOR WELL	6/10/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 10C	ML MONITOR WELL	6/10/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			8.08	µg/L
CRW 11A	ML MONITOR WELL	5/1/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 11A	ML MONITOR WELL	5/1/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 11A	ML MONITOR WELL	5/1/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 11A	ML MONITOR WELL	5/1/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 11A	ML MONITOR WELL	5/1/18	TRITIUM	0.49	1.05	U	U	-0.04	pCi/mL
CRW 11A	ML MONITOR WELL	6/18/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 11A	ML MONITOR WELL	6/18/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 11A	ML MONITOR WELL	6/18/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 11A	ML MONITOR WELL	6/18/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 11A	ML MONITOR WELL	6/18/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 11A	ML MONITOR WELL	6/18/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 11A	ML MONITOR WELL	6/18/19	TRITIUM	0.42	0.89	U	U	-0.07	pCi/mL
CRW 11A	ML MONITOR WELL	6/10/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 11A	ML MONITOR WELL	6/10/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 11A	ML MONITOR WELL	6/10/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 11A	ML MONITOR WELL	6/10/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 11A	ML MONITOR WELL	6/10/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 11A	ML MONITOR WELL	6/10/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 11D	ML MONITOR WELL	4/30/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 11D	ML MONITOR WELL	4/30/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 11D	ML MONITOR WELL	4/30/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 11D	ML MONITOR WELL	4/30/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW 11D	ML MONITOR WELL	4/30/18	TRITIUM	0.46	1.12			1.26	pCi/mL
CRW 11D	ML MONITOR WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 11D	ML MONITOR WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 11D	ML MONITOR WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 11D	ML MONITOR WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 11D	ML MONITOR WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 11D	ML MONITOR WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 11D	ML MONITOR WELL	6/11/19	TRITIUM	0.39	1.00			1.29	pCi/mL
CRW 11D	ML MONITOR WELL	6/11/19	TRITIUM	0.39	1.00			1.39	pCi/mL
CRW 11D	ML MONITOR WELL	6/10/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 11D	ML MONITOR WELL	6/10/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 11D	ML MONITOR WELL	6/10/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 11D	ML MONITOR WELL	6/10/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 11D	ML MONITOR WELL	6/10/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 11D	ML MONITOR WELL	6/10/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 13A	MONITORING WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 13A	MONITORING WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 13A	MONITORING WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 13A	MONITORING WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 13A	MONITORING WELL	4/25/18	TRITIUM	0.50	1.06	U	U	-0.18	pCi/mL
CRW 13A	MONITORING WELL	6/10/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 13A	MONITORING WELL	6/10/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 13A	MONITORING WELL	6/10/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 13A	MONITORING WELL	6/10/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 13A	MONITORING WELL	6/10/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 13A	MONITORING WELL	6/10/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 13A	MONITORING WELL	6/10/19	TRITIUM	0.41	0.88	U	U	0.04	pCi/mL
CRW 13A	MONITORING WELL	6/10/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 13A	MONITORING WELL	6/10/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 13A	MONITORING WELL	6/10/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 13A	MONITORING WELL	6/10/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 13A	MONITORING WELL	6/10/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 13A	MONITORING WELL	6/10/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW 14A	MONITORING WELL	4/30/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 14A	MONITORING WELL	4/30/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 14A	MONITORING WELL	4/30/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 14A	MONITORING WELL	4/30/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 14A	MONITORING WELL	4/30/18	TRITIUM	0.45	1.00	U	U	0.18	pCi/mL
CRW 14A	MONITORING WELL	6/10/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 14A	MONITORING WELL	6/10/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 14A	MONITORING WELL	6/10/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 14A	MONITORING WELL	6/10/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 14A	MONITORING WELL	6/10/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 14A	MONITORING WELL	6/10/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 14A	MONITORING WELL	6/10/19	TRITIUM	0.41	0.88	U	U	0.05	pCi/mL
CRW 14A	MONITORING WELL	6/10/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 14A	MONITORING WELL	6/10/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 14A	MONITORING WELL	6/10/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 14A	MONITORING WELL	6/10/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 14A	MONITORING WELL	6/10/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 14A	MONITORING WELL	6/10/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 15A	ML MONITOR WELL	4/24/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 15A	ML MONITOR WELL	4/24/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 15A	ML MONITOR WELL	4/24/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 15A	ML MONITOR WELL	4/24/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.64	µg/L
CRW 15A	ML MONITOR WELL	4/24/18	TRITIUM	0.42	0.90	U	U	-0.09	pCi/mL
CRW 15A	ML MONITOR WELL	6/10/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 15A	ML MONITOR WELL	6/10/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 15A	ML MONITOR WELL	6/10/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 15A	ML MONITOR WELL	6/10/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 15A	ML MONITOR WELL	6/10/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 15A	ML MONITOR WELL	6/10/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 15A	ML MONITOR WELL	6/10/19	TRITIUM	0.41	0.86	U	U	-0.08	pCi/mL
CRW 15A	ML MONITOR WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CRW 15A	ML MONITOR WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CRW 15A	ML MONITOR WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW 15A	ML MONITOR WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CRW 15A	ML MONITOR WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CRW 15A	ML MONITOR WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CRW 15A	ML MONITOR WELL	6/9/20	TRITIUM	0.52	1.10	U		0.01	pCi/mL
CRW 15C	ML MONITOR WELL	4/24/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 15C	ML MONITOR WELL	4/24/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 15C	ML MONITOR WELL	4/24/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 15C	ML MONITOR WELL	4/24/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 15C	ML MONITOR WELL	4/24/18	TRITIUM	0.42	1.55			7.88	pCi/mL
CRW 15C	ML MONITOR WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 15C	ML MONITOR WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 15C	ML MONITOR WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 15C	ML MONITOR WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 15C	ML MONITOR WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 15C	ML MONITOR WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 15C	ML MONITOR WELL	6/11/19	TRITIUM	0.41	1.46			6.43	pCi/mL
CRW 15C	ML MONITOR WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 15C	ML MONITOR WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 15C	ML MONITOR WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 15C	ML MONITOR WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 15C	ML MONITOR WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 15C	ML MONITOR WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 15C	ML MONITOR WELL	6/9/20	TRITIUM	0.54	1.98			8.67	pCi/mL
CRW 15C	ML MONITOR WELL	6/9/20	TRITIUM	0.52	1.91			8.29	pCi/mL
CRW 15D	ML MONITOR WELL	4/24/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 15D	ML MONITOR WELL	4/24/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 15D	ML MONITOR WELL	4/24/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 15D	ML MONITOR WELL	4/24/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 15D	ML MONITOR WELL	4/24/18	TRITIUM	0.41	4.20			110.00	pCi/mL
CRW 15D	ML MONITOR WELL	6/12/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 15D	ML MONITOR WELL	6/12/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 15D	ML MONITOR WELL	6/12/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 15D	ML MONITOR WELL	6/12/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW 15D	ML MONITOR WELL	6/12/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 15D	ML MONITOR WELL	6/12/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 15D	ML MONITOR WELL	6/12/19	TRITIUM	0.39	3.79			85.50	pCi/mL
CRW 15D	ML MONITOR WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 15D	ML MONITOR WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 15D	ML MONITOR WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 15D	ML MONITOR WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 15D	ML MONITOR WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 15D	ML MONITOR WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 16D	ML MONITOR WELL	4/26/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 16D	ML MONITOR WELL	4/26/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 16D	ML MONITOR WELL	4/26/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 16D	ML MONITOR WELL	4/26/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 16D	ML MONITOR WELL	4/26/18	TRITIUM	0.46	1.00	U	U	0.14	pCi/mL
CRW 16D	ML MONITOR WELL	6/12/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 16D	ML MONITOR WELL	6/12/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 16D	ML MONITOR WELL	6/12/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 16D	ML MONITOR WELL	6/12/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 16D	ML MONITOR WELL	6/12/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 16D	ML MONITOR WELL	6/12/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW 16D	ML MONITOR WELL	6/12/19	TRITIUM	0.38	0.86	U	U	0.31	pCi/mL
CRW 16D	ML MONITOR WELL	6/10/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW 16D	ML MONITOR WELL	6/10/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW 16D	ML MONITOR WELL	6/10/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 16D	ML MONITOR WELL	6/10/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW 16D	ML MONITOR WELL	6/10/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW 16D	ML MONITOR WELL	6/10/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW010CU	MONITORING WELL	4/23/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW010CU	MONITORING WELL	4/23/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW010CU	MONITORING WELL	4/23/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00			1.06	µg/L
CRW010CU	MONITORING WELL	4/23/18	TRICHLOROETHYLENE (TCE)	0.33	1.00			14.90	µg/L
CRW010CU	MONITORING WELL	4/23/18	TRITIUM	0.48	1.47			5.23	pCi/mL
CRW010CU	MONITORING WELL	6/12/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW010CU	MONITORING WELL	6/12/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW010CU	MONITORING WELL	6/12/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW010CU	MONITORING WELL	6/12/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.84	µg/L
CRW010CU	MONITORING WELL	6/12/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW010CU	MONITORING WELL	6/12/19	TRICHLOROETHYLENE (TCE)	0.33	1.00			11.90	µg/L
CRW010CU	MONITORING WELL	6/12/19	TRITIUM	0.41	1.35			4.95	pCi/mL
CRW010CU	MONITORING WELL	6/10/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW010CU	MONITORING WELL	6/10/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW010CU	MONITORING WELL	6/10/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW010CU	MONITORING WELL	6/10/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.97	µg/L
CRW010CU	MONITORING WELL	6/10/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW010CU	MONITORING WELL	6/10/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			12.50	µg/L
CRW015B	MONITORING WELL	4/24/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW015B	MONITORING WELL	4/24/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW015B	MONITORING WELL	4/24/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW015B	MONITORING WELL	4/24/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	U	0.96	µg/L
CRW015B	MONITORING WELL	4/24/18	TRITIUM	0.41	2.55			33.60	pCi/mL
CRW015B	MONITORING WELL	6/10/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW015B	MONITORING WELL	6/10/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW015B	MONITORING WELL	6/10/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW015B	MONITORING WELL	6/10/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW015B	MONITORING WELL	6/10/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW015B	MONITORING WELL	6/10/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW015B	MONITORING WELL	6/10/19	TRITIUM	0.40	0.88	U	U	0.15	pCi/mL
CRW015B	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CRW015B	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CRW015B	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CRW015B	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CRW015B	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CRW015B	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CRW020D	MONITORING WELL	10/30/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
CRW020D	MONITORING WELL	10/30/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CRW020D	MONITORING WELL	10/30/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW020D	MONITORING WELL	10/30/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	J	J	0.31	µg/L
CRW020D	MONITORING WELL	10/30/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CRW020D	MONITORING WELL	10/30/17	TRICHLOROETHYLENE (TCE)	0.25	1.00			11.00	µg/L
CRW020D	MONITORING WELL	10/30/17	TRITIUM	0.38	1.12			2.63	pCi/mL
CRW020D	MONITORING WELL	4/26/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW020D	MONITORING WELL	4/26/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.49	µg/L
CRW020D	MONITORING WELL	4/26/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.74	µg/L
CRW020D	MONITORING WELL	4/26/18	TRICHLOROETHYLENE (TCE)	1.67	5.00			251.00	µg/L
CRW020D	MONITORING WELL	4/26/18	TRITIUM	0.46	1.23			2.32	pCi/mL
CRW020D	MONITORING WELL	10/31/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW020D	MONITORING WELL	10/31/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.82	µg/L
CRW020D	MONITORING WELL	10/31/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00			1.10	µg/L
CRW020D	MONITORING WELL	10/31/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW020D	MONITORING WELL	10/31/18	TRICHLOROETHYLENE (TCE)	1.67	5.00			336.00	µg/L
CRW020D	MONITORING WELL	10/31/18	TRITIUM	0.48	1.29			2.79	pCi/mL
CRW020D	MONITORING WELL	6/11/19	1,2-DICHLOROETHYLENE	2.67	8.00	U	U	8.00	µg/L
CRW020D	MONITORING WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW020D	MONITORING WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	1.33	4.00	U	U	4.00	µg/L
CRW020D	MONITORING WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW020D	MONITORING WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	1.33	4.00	U	U	4.00	µg/L
CRW020D	MONITORING WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.62	µg/L
CRW020D	MONITORING WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	1.33	4.00	U	U	4.00	µg/L
CRW020D	MONITORING WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.62	µg/L
CRW020D	MONITORING WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	1.33	4.00	U	U	4.00	µg/L
CRW020D	MONITORING WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW020D	MONITORING WELL	6/11/19	TRICHLOROETHYLENE (TCE)	1.33	4.00			203.00	µg/L
CRW020D	MONITORING WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00			160.00	µg/L
CRW020D	MONITORING WELL	6/11/19	TRITIUM	0.38	1.12			2.61	pCi/mL
CRW020D	MONITORING WELL	11/14/19	CHLOROETHENE (VINYL CHLORIDE)	1.33	4.00	U	U	4.00	µg/L
CRW020D	MONITORING WELL	11/14/19	CIS-1,2-DICHLOROETHYLENE	1.33	4.00	U	U	4.00	µg/L
CRW020D	MONITORING WELL	11/14/19	TETRACHLOROETHYLENE (PCE)	1.33	4.00	U	U	4.00	µg/L
CRW020D	MONITORING WELL	11/14/19	TRICHLOROETHYLENE (TCE)	1.33	4.00			181.00	µg/L
CRW020D	MONITORING WELL	11/14/19	TRITIUM	0.59	1.56			2.20	pCi/mL

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW020D	MONITORING WELL	6/8/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CRW020D	MONITORING WELL	6/8/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CRW020D	MONITORING WELL	6/8/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.60	µg/L
CRW020D	MONITORING WELL	6/8/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00		J	1.02	µg/L
CRW020D	MONITORING WELL	6/8/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CRW020D	MONITORING WELL	6/8/20	TRICHLOROETHYLENE (TCE)	1.67	5.00		J	169.00	µg/L
CRW020D	MONITORING WELL	6/8/20	TRITIUM	0.64	1.87			3.28	pCi/mL
CRW021DR	MONITORING WELL	10/30/17	1,2-DICHLOROETHYLENE	0.14	2.00	J	J	0.53	µg/L
CRW021DR	MONITORING WELL	10/30/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CRW021DR	MONITORING WELL	10/30/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	J	J	0.53	µg/L
CRW021DR	MONITORING WELL	10/30/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	J	J	0.61	µg/L
CRW021DR	MONITORING WELL	10/30/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CRW021DR	MONITORING WELL	10/30/17	TRICHLOROETHYLENE (TCE)	0.25	1.00		J	20.00	µg/L
CRW021DR	MONITORING WELL	10/30/17	TRITIUM	0.39	1.14			2.81	pCi/mL
CRW021DR	MONITORING WELL	4/26/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW021DR	MONITORING WELL	4/26/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.44	µg/L
CRW021DR	MONITORING WELL	4/26/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.38	µg/L
CRW021DR	MONITORING WELL	4/26/18	TRICHLOROETHYLENE (TCE)	0.67	2.00			124.00	µg/L
CRW021DR	MONITORING WELL	4/26/18	TRITIUM	0.45	1.37			4.40	pCi/mL
CRW021DR	MONITORING WELL	10/31/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW021DR	MONITORING WELL	10/31/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.52	µg/L
CRW021DR	MONITORING WELL	10/31/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.51	µg/L
CRW021DR	MONITORING WELL	10/31/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW021DR	MONITORING WELL	10/31/18	TRICHLOROETHYLENE (TCE)	0.67	2.00			148.00	µg/L
CRW021DR	MONITORING WELL	10/31/18	TRITIUM	0.48	1.20			1.55	pCi/mL
CRW021DR	MONITORING WELL	6/11/19	1,2-DICHLOROETHYLENE	1.33	4.00	U	U	4.00	µg/L
CRW021DR	MONITORING WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	J	J	0.77	µg/L
CRW021DR	MONITORING WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.67	2.00	U	U	2.00	µg/L
CRW021DR	MONITORING WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW021DR	MONITORING WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.77	µg/L
CRW021DR	MONITORING WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.67	2.00	J	J	0.72	µg/L
CRW021DR	MONITORING WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.67	2.00	U	U	2.00	µg/L
CRW021DR	MONITORING WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.55	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW021DR	MONITORING WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW021DR	MONITORING WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW021DR	MONITORING WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00			124.00	µg/L
CRW021DR	MONITORING WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.67	2.00			108.00	µg/L
CRW021DR	MONITORING WELL	6/11/19	TRITIUM	0.42	1.14			2.04	pCi/mL
CRW021DR	MONITORING WELL	11/14/19	CHLOROETHENE (VINYL CHLORIDE)	0.67	2.00	U	U	2.00	µg/L
CRW021DR	MONITORING WELL	11/14/19	CIS-1,2-DICHLOROETHYLENE	0.67	2.00	J	J	0.82	µg/L
CRW021DR	MONITORING WELL	11/14/19	TETRACHLOROETHYLENE (PCE)	0.67	2.00	U	U	2.00	µg/L
CRW021DR	MONITORING WELL	11/14/19	TRICHLOROETHYLENE (TCE)	0.67	2.00			106.00	µg/L
CRW021DR	MONITORING WELL	11/14/19	TRITIUM	0.59	1.56			2.25	pCi/mL
CRW021DR	MONITORING WELL	6/8/20	1,2-DICHLOROETHYLENE	0.67	2.00	J	J	0.84	µg/L
CRW021DR	MONITORING WELL	6/8/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW021DR	MONITORING WELL	6/8/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.84	µg/L
CRW021DR	MONITORING WELL	6/8/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.83	µg/L
CRW021DR	MONITORING WELL	6/8/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW021DR	MONITORING WELL	6/8/20	TRICHLOROETHYLENE (TCE)	0.67	2.00			131.00	µg/L
CRW021DR	MONITORING WELL	6/8/20	TRITIUM	0.74	2.00			2.57	pCi/mL
CRW022D	MONITORING WELL	5/1/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW022D	MONITORING WELL	5/1/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW022D	MONITORING WELL	5/1/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW022D	MONITORING WELL	5/1/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW022D	MONITORING WELL	5/1/18	TRITIUM	0.49	1.22			1.65	pCi/mL
CRW022D	MONITORING WELL	6/11/19	TRITIUM	0.39	1.06			1.93	pCi/mL
CRW022D	MONITORING WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CRW022D	MONITORING WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CRW022D	MONITORING WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW022D	MONITORING WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CRW022D	MONITORING WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CRW022D	MONITORING WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CRW022D	MONITORING WELL	6/11/19	TRITIUM	0.42	1.10			1.73	pCi/mL
CRW022D	MONITORING WELL	6/11/19	TRITIUM	0.43	1.12			1.72	pCi/mL
CRW022D	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CRW022D	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CRW022D	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CRW022D	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CRW022D	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CRW022D	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CRW022D	MONITORING WELL	6/9/20	TRITIUM	0.52	1.30			1.46	pCi/mL
CSB 3C	MONITORING WELL	4/24/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB 3C	MONITORING WELL	4/24/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 3C	MONITORING WELL	4/24/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.36	µg/L
CSB 3C	MONITORING WELL	4/24/18	TRICHLOROETHYLENE (TCE)	0.33	1.00			4.20	µg/L
CSB 3C	MONITORING WELL	4/24/18	TRITIUM	0.42	5.97		J	237.00	pCi/mL
CSB 3C	MONITORING WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB 3C	MONITORING WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB 3C	MONITORING WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 3C	MONITORING WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB 3C	MONITORING WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 3C	MONITORING WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00			4.11	µg/L
CSB 3C	MONITORING WELL	6/11/19	TRITIUM	0.41	6.52			279.00	pCi/mL
CSB 3C	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CSB 3C	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CSB 3C	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB 3C	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB 3C	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB 3C	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00		J	3.59	µg/L
CSB 3C	MONITORING WELL	6/9/20	TRITIUM	0.53	7.99			279.00	pCi/mL
CSB 9D	MONITORING WELL	4/24/18	TRITIUM	0.42	3.59		J	75.40	pCi/mL
CSB 9D	MONITORING WELL	4/24/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB 9D	MONITORING WELL	4/24/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	J	J	0.42	µg/L
CSB 9D	MONITORING WELL	4/24/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB 9D	MONITORING WELL	4/24/18	TRICHLOROETHYLENE (TCE)	0.33	1.00			5.35	µg/L
CSB 9D	MONITORING WELL	4/24/18	TRITIUM	0.42	3.51			72.40	pCi/mL
CSB 9D	MONITORING WELL	6/12/19	TRITIUM	0.41	3.21			57.10	pCi/mL
CSB 9D	MONITORING WELL	6/12/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB 9D	MONITORING WELL	6/12/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSB 9D	MONITORING WELL	6/12/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 9D	MONITORING WELL	6/12/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB 9D	MONITORING WELL	6/12/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 9D	MONITORING WELL	6/12/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB 9D	MONITORING WELL	6/12/19	TRITIUM	0.41	3.24			58.20	pCi/mL
CSB 9D	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CSB 9D	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CSB 9D	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB 9D	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB 9D	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB 9D	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB 9D	MONITORING WELL	6/9/20	TRITIUM	0.53	4.21			66.50	pCi/mL
CSB 11D	MONITORING WELL	4/24/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB 11D	MONITORING WELL	4/24/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 11D	MONITORING WELL	4/24/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00			1.25	µg/L
CSB 11D	MONITORING WELL	4/24/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	U	0.35	µg/L
CSB 11D	MONITORING WELL	4/24/18	TRITIUM	0.42	1.54			8.03	pCi/mL
CSB 11D	MONITORING WELL	6/12/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB 11D	MONITORING WELL	6/12/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB 11D	MONITORING WELL	6/12/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 11D	MONITORING WELL	6/12/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.92	µg/L
CSB 11D	MONITORING WELL	6/12/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 11D	MONITORING WELL	6/12/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB 11D	MONITORING WELL	6/12/19	TRITIUM	0.41	2.02			17.80	pCi/mL
CSB 11D	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB 11D	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB 11D	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 11D	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.38	µg/L
CSB 11D	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 11D	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB 12D	MONITORING WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB 12D	MONITORING WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 12D	MONITORING WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSB 12D	MONITORING WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB 12D	MONITORING WELL	4/25/18	TRITIUM	0.53	1.59			5.50	pCi/mL
CSB 12D	MONITORING WELL	4/25/18	TRITIUM	0.53	1.59			5.35	pCi/mL
CSB 12D	MONITORING WELL	6/12/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB 12D	MONITORING WELL	6/12/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB 12D	MONITORING WELL	6/12/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 12D	MONITORING WELL	6/12/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB 12D	MONITORING WELL	6/12/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 12D	MONITORING WELL	6/12/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB 12D	MONITORING WELL	6/12/19	TRITIUM	0.47	2.05			14.60	pCi/mL
CSB 12D	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB 12D	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB 12D	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 12D	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB 12D	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 12D	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB 13D	MONITORING WELL	4/24/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB 13D	MONITORING WELL	4/24/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 13D	MONITORING WELL	4/24/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB 13D	MONITORING WELL	4/24/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB 13D	MONITORING WELL	4/24/18	TRITIUM	0.42	3.16			56.00	pCi/mL
CSB 13D	MONITORING WELL	6/12/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB 13D	MONITORING WELL	6/12/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB 13D	MONITORING WELL	6/12/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 13D	MONITORING WELL	6/12/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB 13D	MONITORING WELL	6/12/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB 13D	MONITORING WELL	6/12/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB 13D	MONITORING WELL	6/12/19	TRITIUM	0.41	2.79			40.70	pCi/mL
CSB 13D	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CSB 13D	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CSB 13D	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB 13D	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB 13D	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSB 13D	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB 13D	MONITORING WELL	6/9/20	TRITIUM	0.53	3.59			45.30	pCi/mL
CSB011B	MONITORING WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB011B	MONITORING WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB011B	MONITORING WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB011B	MONITORING WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB011B	MONITORING WELL	4/25/18	TRITIUM	0.50	1.12	U	U	0.33	pCi/mL
CSB011B	MONITORING WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB011B	MONITORING WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB011B	MONITORING WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB011B	MONITORING WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB011B	MONITORING WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB011B	MONITORING WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB011B	MONITORING WELL	6/11/19	TRITIUM	0.45	1.05	J	J	0.53	pCi/mL
CSB011B	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CSB011B	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CSB011B	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB011B	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB011B	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB011B	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB011B	MONITORING WELL	6/9/20	TRITIUM	0.53	1.22	J		0.72	pCi/mL
CSB011C	MONITORING WELL	4/24/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB011C	MONITORING WELL	4/24/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB011C	MONITORING WELL	4/24/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB011C	MONITORING WELL	4/24/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB011C	MONITORING WELL	4/24/18	TRITIUM	0.42	1.03	J	J	0.99	pCi/mL
CSB011C	MONITORING WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB011C	MONITORING WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB011C	MONITORING WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB011C	MONITORING WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB011C	MONITORING WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB011C	MONITORING WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.56	µg/L
CSB011C	MONITORING WELL	6/11/19	TRITIUM	0.41	1.13			2.15	pCi/mL

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSB011C	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CSB011C	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CSB011C	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB011C	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB011C	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB011C	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.96	µg/L
CSB011C	MONITORING WELL	6/9/20	TRITIUM	0.54	1.32	J		1.19	pCi/mL
CSB013B	MONITORING WELL	4/24/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB013B	MONITORING WELL	4/24/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB013B	MONITORING WELL	4/24/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB013B	MONITORING WELL	4/24/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.77	µg/L
CSB013B	MONITORING WELL	4/24/18	TRITIUM	0.41	3.03			51.20	pCi/mL
CSB013B	MONITORING WELL	6/12/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB013B	MONITORING WELL	6/12/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB013B	MONITORING WELL	6/12/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB013B	MONITORING WELL	6/12/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB013B	MONITORING WELL	6/12/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB013B	MONITORING WELL	6/12/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB013B	MONITORING WELL	6/12/19	TRITIUM	0.39	3.08			53.60	pCi/mL
CSB013B	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CSB013B	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CSB013B	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB013B	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB013B	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB013B	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB013B	MONITORING WELL	6/9/20	TRITIUM	0.52	3.94			58.40	pCi/mL
CSB015B	MONITORING WELL	4/24/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB015B	MONITORING WELL	4/24/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB015B	MONITORING WELL	4/24/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB015B	MONITORING WELL	4/24/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	U	0.67	µg/L
CSB015B	MONITORING WELL	4/24/18	TRITIUM	0.41	0.92	U	U	0.20	pCi/mL
CSB015B	MONITORING WELL	6/12/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB015B	MONITORING WELL	6/12/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSB015B	MONITORING WELL	6/12/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB015B	MONITORING WELL	6/12/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB015B	MONITORING WELL	6/12/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB015B	MONITORING WELL	6/12/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB015B	MONITORING WELL	6/12/19	TRITIUM	0.39	0.85	U	U	0.12	pCi/mL
CSB015B	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB015B	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB015B	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB015B	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB015B	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB015B	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB017B	MONITORING WELL	4/25/18	TRITIUM	0.49	4.06		J	97.00	pCi/mL
CSB017B	MONITORING WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB017B	MONITORING WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB017B	MONITORING WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB017B	MONITORING WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00			8.98	µg/L
CSB017B	MONITORING WELL	4/25/18	TRITIUM	0.50	4.86		J	146.00	pCi/mL
CSB017B	MONITORING WELL	6/12/19	TRITIUM	0.39	5.01			159.00	pCi/mL
CSB017B	MONITORING WELL	6/12/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB017B	MONITORING WELL	6/12/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB017B	MONITORING WELL	6/12/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB017B	MONITORING WELL	6/12/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB017B	MONITORING WELL	6/12/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB017B	MONITORING WELL	6/12/19	TRICHLOROETHYLENE (TCE)	0.33	1.00			6.11	µg/L
CSB017B	MONITORING WELL	6/12/19	TRITIUM	0.39	5.04			159.00	pCi/mL
CSB017B	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CSB017B	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CSB017B	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB017B	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB017B	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB017B	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00		J	6.16	µg/L
CSB017B	MONITORING WELL	6/9/20	TRITIUM	0.54	7.90			267.00	pCi/mL
CSB017D	MONITORING WELL	4/24/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSB017D	MONITORING WELL	4/24/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB017D	MONITORING WELL	4/24/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.38	µg/L
CSB017D	MONITORING WELL	4/24/18	TRICHLOROETHYLENE (TCE)	0.33	1.00			15.80	µg/L
CSB017D	MONITORING WELL	4/24/18	TRITIUM	0.42	3.39			66.00	pCi/mL
CSB017D	MONITORING WELL	6/12/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB017D	MONITORING WELL	6/12/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB017D	MONITORING WELL	6/12/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB017D	MONITORING WELL	6/12/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB017D	MONITORING WELL	6/12/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB017D	MONITORING WELL	6/12/19	TRICHLOROETHYLENE (TCE)	0.33	1.00			17.00	µg/L
CSB017D	MONITORING WELL	6/12/19	TRITIUM	0.39	3.23			58.60	pCi/mL
CSB017D	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CSB017D	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CSB017D	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB017D	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB017D	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB017D	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00		J	9.33	µg/L
CSB017D	MONITORING WELL	6/9/20	TRITIUM	0.54	4.68			82.10	pCi/mL
CSB019B	MONITORING WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB019B	MONITORING WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB019B	MONITORING WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.39	µg/L
CSB019B	MONITORING WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00			1.97	µg/L
CSB019B	MONITORING WELL	4/25/18	TRITIUM	0.50	9.32			604.00	pCi/mL
CSB019B	MONITORING WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB019B	MONITORING WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB019B	MONITORING WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB019B	MONITORING WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.39	µg/L
CSB019B	MONITORING WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB019B	MONITORING WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00			1.67	µg/L
CSB019B	MONITORING WELL	6/11/19	TRITIUM	0.39	9.03			549.00	pCi/mL
CSB019B	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB019B	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB019B	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSB019B	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.44	µg/L
CSB019B	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB019B	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00			1.30	µg/L
CSB019C	MONITORING WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB019C	MONITORING WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB019C	MONITORING WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB019C	MONITORING WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB019C	MONITORING WELL	4/25/18	TRITIUM	0.49	2.46			27.70	pCi/mL
CSB019C	MONITORING WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB019C	MONITORING WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB019C	MONITORING WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB019C	MONITORING WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB019C	MONITORING WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB019C	MONITORING WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB019C	MONITORING WELL	6/11/19	TRITIUM	0.40	2.17			21.10	pCi/mL
CSB019C	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB019C	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB019C	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB019C	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB019C	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB019C	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB020B	MONITORING WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB020B	MONITORING WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB020B	MONITORING WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB020B	MONITORING WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB020B	MONITORING WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB020B	MONITORING WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB020B	MONITORING WELL	4/25/18	TRITIUM	0.49	1.37			3.49	pCi/mL
CSB020B	MONITORING WELL	6/12/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB020B	MONITORING WELL	6/12/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB020B	MONITORING WELL	6/12/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB020B	MONITORING WELL	6/12/19	NAPHTHALENE	0.33	1.00	U	U	1.00	µg/L
CSB020B	MONITORING WELL	6/12/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSB020B	MONITORING WELL	6/12/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB020B	MONITORING WELL	6/12/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB020B	MONITORING WELL	6/12/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB020B	MONITORING WELL	6/12/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB020B	MONITORING WELL	6/12/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB020B	MONITORING WELL	6/12/19	TRITIUM	0.40	1.35			5.25	pCi/mL
CSB020B	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CSB020B	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CSB020B	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB020B	MONITORING WELL	6/9/20	ETHYLENE	10.00	25.00	UJ	UJ	25.00	µg/L
CSB020B	MONITORING WELL	6/9/20	METHANE	10.00	25.00	UJ	UJ	25.00	µg/L
CSB020B	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB020B	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB020B	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB020B	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB020B	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB020B	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB020B	MONITORING WELL	6/9/20	TRITIUM	0.53	1.56			3.51	pCi/mL
CSB020D	MONITORING WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	4/25/18	TRITIUM	0.50	1.38			3.48	pCi/mL
CSB020D	MONITORING WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB020D	MONITORING WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB020D	MONITORING WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSB020D	MONITORING WELL	6/11/19	NAPHTHALENE	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSB020D	MONITORING WELL	6/11/19	TRITIUM	0.41	1.30			4.14	pCi/mL
CSB020D	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CSB020D	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CSB020D	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CSB020D	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CSB020D	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB020D	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB020D	MONITORING WELL	6/9/20	ETHYLENE	10.00	25.00	UJ	UJ	25.00	µg/L
CSB020D	MONITORING WELL	6/9/20	ETHYLENE	10.00	25.00	UJ	UJ	25.00	µg/L
CSB020D	MONITORING WELL	6/9/20	METHANE	10.00	25.00	UJ	UJ	25.00	µg/L
CSB020D	MONITORING WELL	6/9/20	METHANE	10.00	25.00	UJ	UJ	25.00	µg/L
CSB020D	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB020D	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB020D	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB020D	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB020D	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB020D	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB020D	MONITORING WELL	6/9/20	TRITIUM	0.57	1.48			1.97	pCi/mL
CSB021D	MONITORING WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB021D	MONITORING WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB021D	MONITORING WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB021D	MONITORING WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB021D	MONITORING WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB021D	MONITORING WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB021D	MONITORING WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.70	µg/L
CSB021D	MONITORING WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.70	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSB021D	MONITORING WELL	4/25/18	TRITIUM	0.50	6.36			265.00	pCi/mL
CSB021D	MONITORING WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB021D	MONITORING WELL	6/11/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSB021D	MONITORING WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB021D	MONITORING WELL	6/11/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSB021D	MONITORING WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB021D	MONITORING WELL	6/11/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB021D	MONITORING WELL	6/11/19	NAPHTHALENE	0.33	1.00	U	U	1.00	µg/L
CSB021D	MONITORING WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB021D	MONITORING WELL	6/11/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSB021D	MONITORING WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB021D	MONITORING WELL	6/11/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSB021D	MONITORING WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.60	µg/L
CSB021D	MONITORING WELL	6/11/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.60	µg/L
CSB021D	MONITORING WELL	6/11/19	TRITIUM	0.40	5.91			221.00	pCi/mL
CSB021D	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CSB021D	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CSB021D	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CSB021D	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CSB021D	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB021D	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB021D	MONITORING WELL	6/9/20	ETHYLENE	10.00	25.00	UJ	UJ	25.00	µg/L
CSB021D	MONITORING WELL	6/9/20	METHANE	10.00	25.00	UJ	UJ	25.00	µg/L
CSB021D	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB021D	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSB021D	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB021D	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSB021D	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.44	µg/L
CSB021D	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.44	µg/L
CSL001	MONITORING WELL	10/30/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
CSL001	MONITORING WELL	10/30/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CSL001	MONITORING WELL	10/30/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CSL001	MONITORING WELL	10/30/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSL001	MONITORING WELL	10/30/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CSL001	MONITORING WELL	10/30/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	U	U	1.00	µg/L
CSL001	MONITORING WELL	10/30/17	TRITIUM	0.38	0.85	U	U	0.20	pCi/mL
CSL001	MONITORING WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSL001	MONITORING WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSL001	MONITORING WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSL001	MONITORING WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSL001	MONITORING WELL	4/25/18	TRITIUM	0.49	1.04	U	U	-0.27	pCi/mL
CSL001	MONITORING WELL	10/30/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSL001	MONITORING WELL	10/30/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSL001	MONITORING WELL	10/30/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSL001	MONITORING WELL	10/30/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSL001	MONITORING WELL	10/30/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSL001	MONITORING WELL	10/30/18	TRITIUM	0.48	1.03	U	U	-0.12	pCi/mL
CSL001	MONITORING WELL	6/17/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSL001	MONITORING WELL	6/17/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSL001	MONITORING WELL	6/17/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSL001	MONITORING WELL	6/17/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSL001	MONITORING WELL	6/17/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSL001	MONITORING WELL	6/17/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSL001	MONITORING WELL	6/17/19	TRITIUM	0.39	0.86	U	U	0.25	pCi/mL
CSL001	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CSL001	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CSL001	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSL001	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSL001	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CSL001	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CSL001	MONITORING WELL	6/9/20	TRITIUM	0.53	1.12	U		0.09	pCi/mL
CSL002	MONITORING WELL	5/1/18	TRITIUM	0.63	3.06			32.00	pCi/mL
CSL002	MONITORING WELL	5/1/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSL002	MONITORING WELL	5/1/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSL002	MONITORING WELL	5/1/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSL002	MONITORING WELL	5/1/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CSL002	MONITORING WELL	5/1/18	TRITIUM	0.48	2.62			33.00	pCi/mL
CSL002	MONITORING WELL	6/17/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSL002	MONITORING WELL	6/17/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSL002	MONITORING WELL	6/17/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSL002	MONITORING WELL	6/17/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CSL002	MONITORING WELL	6/17/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSL002	MONITORING WELL	6/17/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSL002	MONITORING WELL	6/17/19	TRITIUM	0.39	2.12			21.00	pCi/mL
CSL002	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CSL002	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CSL002	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSL002	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CSL002	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CSL002	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CSL002	MONITORING WELL	6/9/20	TRITIUM	0.55	2.51			16.80	pCi/mL
CTA003D	MONITORING WELL	10/30/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
CTA003D	MONITORING WELL	10/30/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
CTA003D	MONITORING WELL	10/30/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CTA003D	MONITORING WELL	10/30/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CTA003D	MONITORING WELL	10/30/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	10/30/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	10/30/17	NAPHTHALENE	0.21	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	10/30/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	J	J	0.72	µg/L
CTA003D	MONITORING WELL	10/30/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	J	J	0.72	µg/L
CTA003D	MONITORING WELL	10/30/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	10/30/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	10/30/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	J	J	0.65	µg/L
CTA003D	MONITORING WELL	10/30/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	J	J	0.65	µg/L
CTA003D	MONITORING WELL	10/30/17	TRITIUM	0.46	16.20			1930.00	pCi/mL
CTA003D	MONITORING WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	4/25/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	4/25/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CTA003D	MONITORING WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.97	µg/L
CTA003D	MONITORING WELL	4/25/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.97	µg/L
CTA003D	MONITORING WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.84	µg/L
CTA003D	MONITORING WELL	4/25/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.84	µg/L
CTA003D	MONITORING WELL	4/25/18	TRITIUM	0.49	18.30			2500.00	pCi/mL
CTA003D	MONITORING WELL	10/31/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	10/31/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	10/31/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	10/31/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	10/31/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.97	µg/L
CTA003D	MONITORING WELL	10/31/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.97	µg/L
CTA003D	MONITORING WELL	10/31/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	10/31/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	10/31/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.57	µg/L
CTA003D	MONITORING WELL	10/31/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.57	µg/L
CTA003D	MONITORING WELL	10/31/18	TRITIUM	0.48	15.80			1810.00	pCi/mL
CTA003D	MONITORING WELL	6/12/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CTA003D	MONITORING WELL	6/12/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CTA003D	MONITORING WELL	6/12/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	6/12/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	6/12/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	6/12/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	6/12/19	NAPHTHALENE	0.33	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	6/12/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.75	µg/L
CTA003D	MONITORING WELL	6/12/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.75	µg/L
CTA003D	MONITORING WELL	6/12/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	6/12/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CTA003D	MONITORING WELL	6/12/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.35	µg/L
CTA003D	MONITORING WELL	6/12/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	J	J	0.35	µg/L
CTA003D	MONITORING WELL	6/12/19	TRITIUM	0.41	14.20			1360.00	pCi/mL
CTA003D	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CTA003D	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CTA003D	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CTA003D	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CTA003D	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CTA003D	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CTA003D	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.71	µg/L
CTA003D	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	J	J	0.71	µg/L
CTA003D	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CTA003D	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CTA003D	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CTA003D	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CTA003D	MONITORING WELL	6/9/20	TRITIUM	0.55	15.50			1090.00	pCi/mL
CTA004D	MONITORING WELL	10/30/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
CTA004D	MONITORING WELL	10/30/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
CTA004D	MONITORING WELL	10/30/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CTA004D	MONITORING WELL	10/30/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
CTA004D	MONITORING WELL	10/30/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	10/30/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	10/30/17	NAPHTHALENE	0.21	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	10/30/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	10/30/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	10/30/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	10/30/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	10/30/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	10/30/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	10/30/17	TRITIUM	0.39	1.29			4.79	pCi/mL
CTA004D	MONITORING WELL	4/26/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	4/26/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	4/26/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	4/26/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	4/26/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	4/26/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	4/26/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	4/26/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	4/26/18	TRITIUM	0.46	1.92			14.10	pCi/mL

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CTA004D	MONITORING WELL	10/31/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	UJ	UJ	1.00	µg/L
CTA004D	MONITORING WELL	10/31/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	UJ	UJ	1.00	µg/L
CTA004D	MONITORING WELL	10/31/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	UJ	UJ	1.00	µg/L
CTA004D	MONITORING WELL	10/31/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	UJ	UJ	1.00	µg/L
CTA004D	MONITORING WELL	10/31/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	UJ	UJ	1.00	µg/L
CTA004D	MONITORING WELL	10/31/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	UJ	UJ	1.00	µg/L
CTA004D	MONITORING WELL	10/31/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	UJ	UJ	1.00	µg/L
CTA004D	MONITORING WELL	10/31/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	UJ	UJ	1.00	µg/L
CTA004D	MONITORING WELL	10/31/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	UJ	UJ	1.00	µg/L
CTA004D	MONITORING WELL	10/31/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	UJ	UJ	1.00	µg/L
CTA004D	MONITORING WELL	10/31/18	TRITIUM	0.48	1.39			3.99	pCi/mL
CTA004D	MONITORING WELL	6/10/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CTA004D	MONITORING WELL	6/10/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
CTA004D	MONITORING WELL	6/10/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	6/10/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	6/10/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	6/10/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	6/10/19	NAPHTHALENE	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	6/10/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	6/10/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	6/10/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	6/10/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	6/10/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	6/10/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
CTA004D	MONITORING WELL	6/10/19	TRITIUM	0.40	0.98			1.02	pCi/mL
CTA004D	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CTA004D	MONITORING WELL	6/9/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
CTA004D	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CTA004D	MONITORING WELL	6/9/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
CTA004D	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CTA004D	MONITORING WELL	6/9/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CTA004D	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
CTA004D	MONITORING WELL	6/9/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
CTA004D	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CTA004D	MONITORING WELL	6/9/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
CTA004D	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CTA004D	MONITORING WELL	6/9/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
CTA004D	MONITORING WELL	6/9/20	TRITIUM	0.52	1.33			1.70	pCi/mL
FMT 01	SURFACE WATER	11/28/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
FMT 01	SURFACE WATER	11/28/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
FMT 01	SURFACE WATER	11/28/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	11/28/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	11/28/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	11/28/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	11/28/17	TRITIUM	0.47	2.65			33.50	pCi/mL
FMT 01	SURFACE WATER	11/28/17	TRITIUM	0.47	2.65			33.50	pCi/mL
FMT 01	SURFACE WATER	4/30/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	4/30/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	4/30/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	4/30/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	4/30/18	TRITIUM	0.44	2.35			24.40	pCi/mL
FMT 01	SURFACE WATER	4/30/18	TRITIUM	0.44	2.35			24.40	pCi/mL
FMT 01	SURFACE WATER	10/29/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	10/29/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	10/29/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	10/29/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	10/29/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	10/29/18	TRITIUM	0.50	2.51			25.80	pCi/mL
FMT 01	SURFACE WATER	10/29/18	TRITIUM	0.50	2.51			25.80	pCi/mL
FMT 01	SURFACE WATER	6/18/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
FMT 01	SURFACE WATER	6/18/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	6/18/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	6/18/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	6/18/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	6/18/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	6/18/19	TRITIUM	0.46	2.26			20.70	pCi/mL

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
FMT 01	SURFACE WATER	6/18/19	TRITIUM	0.46	2.26			20.70	pCi/mL
FMT 01	SURFACE WATER	6/15/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
FMT 01	SURFACE WATER	6/15/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	6/15/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	6/15/20	ETHYLENE	10.00	25.00	U	U	25.00	µg/L
FMT 01	SURFACE WATER	6/15/20	METHANE	10.00	25.00	J	J	20.10	µg/L
FMT 01	SURFACE WATER	6/15/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	6/15/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	6/15/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
FMT 01	SURFACE WATER	6/15/20	TRITIUM	0.66	2.84			16.20	pCi/mL
FMT 01	SURFACE WATER	6/15/20	TRITIUM	0.66	2.84			16.20	pCi/mL
FMT 02	SURFACE WATER	11/28/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
FMT 02	SURFACE WATER	11/28/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
FMT 02	SURFACE WATER	11/28/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	11/28/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	11/28/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	11/28/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	11/28/17	TRITIUM	0.46	2.17			20.50	pCi/mL
FMT 02	SURFACE WATER	11/28/17	TRITIUM	0.46	2.17			20.50	pCi/mL
FMT 02	SURFACE WATER	4/30/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	4/30/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	4/30/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	4/30/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	4/30/18	TRITIUM	0.42	2.05			18.30	pCi/mL
FMT 02	SURFACE WATER	4/30/18	TRITIUM	0.42	2.05			18.30	pCi/mL
FMT 02	SURFACE WATER	10/29/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	10/29/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	10/29/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	10/29/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	10/29/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	10/29/18	TRITIUM	0.49	2.13			17.10	pCi/mL
FMT 02	SURFACE WATER	10/29/18	TRITIUM	0.49	2.13			17.10	pCi/mL
FMT 02	SURFACE WATER	6/18/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
FMT 02	SURFACE WATER	6/18/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	6/18/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	6/18/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	6/18/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	6/18/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	6/18/19	TRITIUM	0.45	2.03			16.20	pCi/mL
FMT 02	SURFACE WATER	6/18/19	TRITIUM	0.45	2.03			16.20	pCi/mL
FMT 02	SURFACE WATER	6/15/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
FMT 02	SURFACE WATER	6/15/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	6/15/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	6/15/20	ETHYLENE	10.00	25.00	U	U	25.00	µg/L
FMT 02	SURFACE WATER	6/15/20	METHANE	10.00	25.00			68.40	µg/L
FMT 02	SURFACE WATER	6/15/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	6/15/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	6/15/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
FMT 02	SURFACE WATER	6/15/20	TRITIUM	0.64	2.64			14.00	pCi/mL
FMT 02	SURFACE WATER	6/15/20	TRITIUM	0.64	2.64			14.00	pCi/mL
FM-TL	SURFACE WATER	11/28/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
FM-TL	SURFACE WATER	11/28/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
FM-TL	SURFACE WATER	11/28/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	11/28/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	11/28/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	11/28/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	11/28/17	TRITIUM	0.48	3.15			50.50	pCi/mL
FM-TL	SURFACE WATER	4/30/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	4/30/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	4/30/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	4/30/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	4/30/18	TRITIUM	0.45	2.86			39.00	pCi/mL
FM-TL	SURFACE WATER	4/30/18	TRITIUM	0.44	2.86			39.20	pCi/mL
FM-TL	SURFACE WATER	10/29/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	10/29/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	10/29/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
FM-TL	SURFACE WATER	10/29/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	10/29/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	10/29/18	TRITIUM	0.50	3.09			44.20	pCi/mL
FM-TL	SURFACE WATER	6/18/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
FM-TL	SURFACE WATER	6/18/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	6/18/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	6/18/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	6/18/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	6/18/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
FM-TL	SURFACE WATER	6/18/19	TRITIUM	0.45	2.95			42.20	pCi/mL
FM-TL	SURFACE WATER	6/15/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	UJ	2.00	µg/L
FM-TL	SURFACE WATER	6/15/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	UJ	1.00	µg/L
FM-TL	SURFACE WATER	6/15/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
FM-TL	SURFACE WATER	6/15/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	UJ	1.00	µg/L
FM-TL	SURFACE WATER	6/15/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	UJ	1.00	µg/L
FM-TL	SURFACE WATER	6/15/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	UJ	1.00	µg/L
FM-TL	SURFACE WATER	6/15/20	TRITIUM	0.70	3.86			34.20	pCi/mL
TL 01	SURFACE WATER	5/1/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	5/1/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	5/1/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	5/1/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	5/1/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	5/1/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	5/1/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	5/1/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	5/1/18	TRITIUM	0.54	1.32			1.46	pCi/mL
TL 01	SURFACE WATER	6/18/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
TL 01	SURFACE WATER	6/18/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
TL 01	SURFACE WATER	6/18/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	6/18/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	6/18/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	6/18/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	6/18/19	NAPHTHALENE	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
TL 01	SURFACE WATER	6/18/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	6/18/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	6/18/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	6/18/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	6/18/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	6/18/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
TL 01	SURFACE WATER	6/18/19	TRITIUM	0.53	1.56			4.16	pCi/mL
TL 03	SURFACE WATER	11/28/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
TL 03	SURFACE WATER	11/28/17	1,2-DICHLOROETHYLENE	0.14	2.00	U	U	2.00	µg/L
TL 03	SURFACE WATER	11/28/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
TL 03	SURFACE WATER	11/28/17	CHLOROETHENE (VINYL CHLORIDE)	0.19	2.00	U	U	2.00	µg/L
TL 03	SURFACE WATER	11/28/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	11/28/17	CIS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	11/28/17	NAPHTHALENE	0.21	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	11/28/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	11/28/17	TETRACHLOROETHYLENE (PCE)	0.18	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	11/28/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	11/28/17	TRANS-1,2-DICHLOROETHYLENE	0.10	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	11/28/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	11/28/17	TRICHLOROETHYLENE (TCE)	0.25	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	11/28/17	TRITIUM	0.48	3.24			54.60	pCi/mL
TL 03	SURFACE WATER	5/1/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	5/1/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	5/1/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	5/1/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	5/1/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	5/1/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	5/1/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	5/1/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	5/1/18	TRITIUM	0.53	2.97			39.00	pCi/mL
TL 03	SURFACE WATER	5/1/18	TRITIUM	0.53	2.96			38.70	pCi/mL
TL 03	SURFACE WATER	10/29/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	10/29/18	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
TL 03	SURFACE WATER	10/29/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	10/29/18	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	10/29/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	10/29/18	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	10/29/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	10/29/18	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	10/29/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	10/29/18	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	10/29/18	TRITIUM	0.50	3.04			42.10	pCi/mL
TL 03	SURFACE WATER	10/29/18	TRITIUM	0.50	3.03			41.90	pCi/mL
TL 03	SURFACE WATER	6/18/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
TL 03	SURFACE WATER	6/18/19	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
TL 03	SURFACE WATER	6/18/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/18/19	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/18/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/18/19	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/18/19	NAPHTHALENE	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/18/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/18/19	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/18/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/18/19	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/18/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/18/19	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/18/19	TRITIUM	0.45	2.94			41.60	pCi/mL
TL 03	SURFACE WATER	6/15/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
TL 03	SURFACE WATER	6/15/20	1,2-DICHLOROETHYLENE	0.67	2.00	U	U	2.00	µg/L
TL 03	SURFACE WATER	6/15/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/15/20	CHLOROETHENE (VINYL CHLORIDE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/15/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/15/20	CIS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/15/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/15/20	TETRACHLOROETHYLENE (PCE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/15/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L

Appendix F. CAGW OU Data July 2017 through June 2020									
STATION	STATION_TYPE	DATE	ANALYTE	MDL	SQL	LAB QUAL.	REVIEW QUAL.	RESULT	UNITS
TL 03	SURFACE WATER	6/15/20	TRANS-1,2-DICHLOROETHYLENE	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/15/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/15/20	TRICHLOROETHYLENE (TCE)	0.33	1.00	U	U	1.00	µg/L
TL 03	SURFACE WATER	6/15/20	TRITIUM	0.72	3.80			31.70	pCi/mL
TL 03	SURFACE WATER	6/15/20	TRITIUM	0.71	3.69			29.90	pCi/mL
TL 03	SURFACE WATER	6/15/20	TRITIUM	0.71	3.69			29.90	pCi/mL