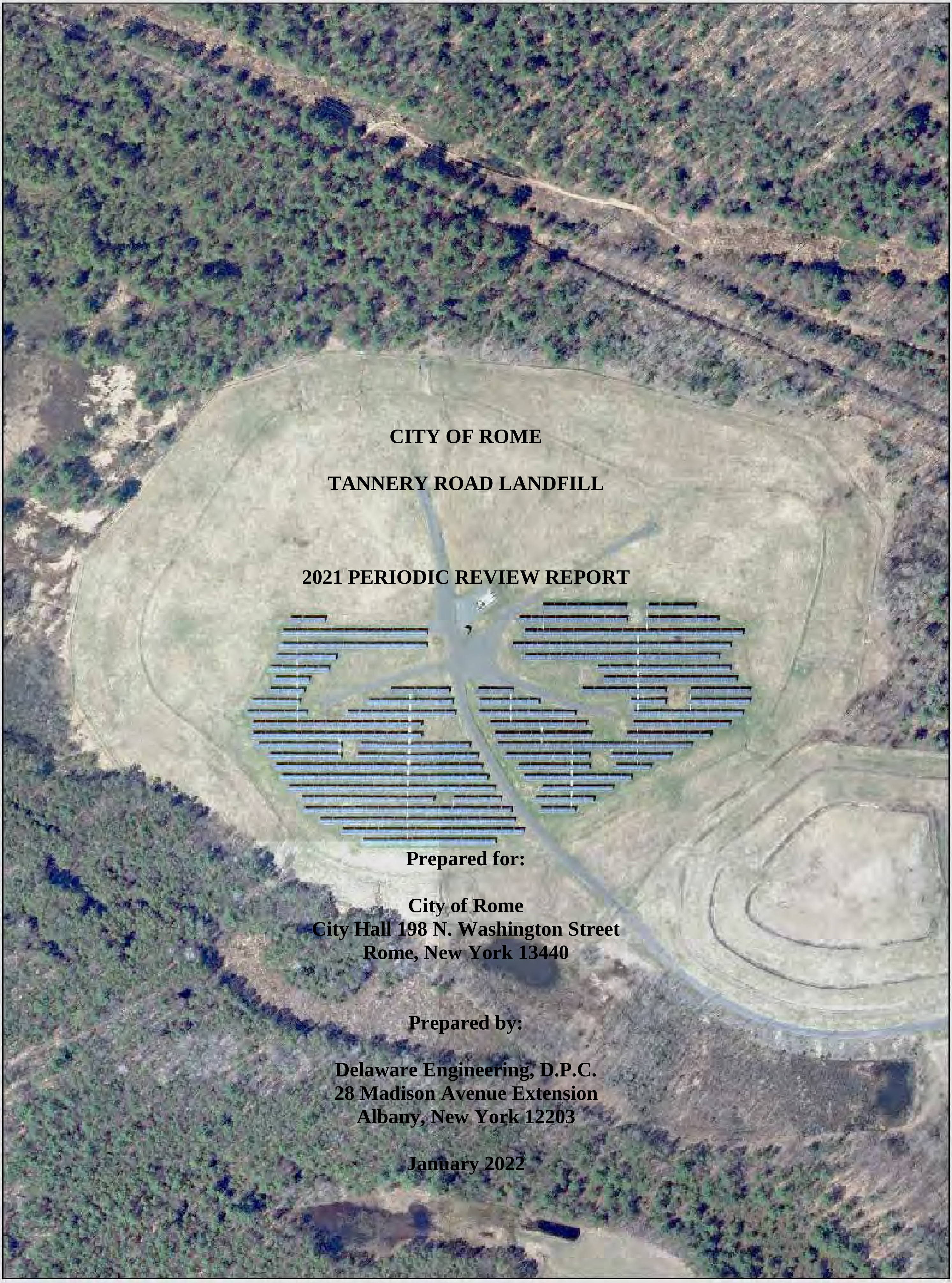

CITY OF ROME

TANNERY ROAD LANDFILL

2021 PERIODIC REVIEW REPORT

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TABLE OF CONTENTS

List of Tables

List of Appendices

List of Figures

1.0 EXECUTIVE SUMMARY

This document presents the 2021 Periodic Review Report for the post closure operations, including maintenance and monitoring activities for the closed City of Rome Landfill located on Tannery Road in the City of Rome, Oneida County, New York. Final closure of the landfill was completed in September 1997 and in January 1999 the New York State Department of Environmental Conservation (NYSDEC) approved the closure certification report.

The post closure maintenance and monitoring activities were performed pursuant to the Operation, Maintenance and Monitoring Plan (Revised October 19, 1999) that was approved by the NYSDEC. This annual report covers the period from January 2021 through December 2021.

Ground water samples were collected from the landfill monitoring well network in March 2021 and analyzed for the NYS Part 360 Baseline parameters. Trend graphs indicate that MW-3S ground water alkalinity, ammonia, BOD, COD, chloride, iron, potassium, sodium, TDS and TOC concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have stabilized at the current levels. MW-3S manganese concentrations exhibit an increasing trend from the low concentrations that occurred in 2004, but the current manganese concentration appears stable. The decreasing MW-2D ammonia, potassium, sodium and TOC concentrations and the decreasing MW-5S alkalinity, ammonia, COD, manganese, potassium, sodium, TDS and TOC concentrations appear to have stabilized. Trend graphs indicate that MW-7D ground water alkalinity, ammonia, COD, chloride, iron, potassium, sodium, TDS and TOC concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have stabilized at the current concentrations. The MW-1S and MW-4S ground water alkalinity, BOD, COD, ammonia, chloride, iron, manganese, potassium, sodium, TDS and TOC concentrations are generally stable.

Historical analytical data summary tables and ground water monitoring well trend graphs of leachate indicator parameter concentrations indicate a continued limited landfill related impact on ground water quality at monitoring wells MW-2D, MW-3S, MW-4S and MW-7D. However, MW-2D, MW-3S and MW-7D ground water quality has significantly improved since closure of the landfill.

The 2021 landfill inspections revealed several areas of erosion and cap settlement. Cap settlement was observed on the east, southeast and north side of the landfill. A potential concern is ponding water on the landfill liner. If this continues and becomes a significant concern the settlement areas should be investigated by conducting test pits either by hand or careful excavation to determine if the liner has settled. If the liner has settled it's recommended that the area be excavated to the extent of the settlement, the liner cut open, and the settlement area backfilled to the surrounding grade. Restore the gas vent layer, have the liner repaired by a liner company and replace the barrier protection. Grade the area to drain to the tack-on-berm.

Although there are several areas of landfill cap erosion, the cap geomembrane appears to be intact and the cover system continues to meet the control objectives. It is recommended that repairs to erosion areas be implemented by replacing the soil, stabilizing with an erosion control mat (North American Green P550 or Curlex HVHD or equivalent and seeding/mulching.

Monitoring well ground water elevation and leachate monitoring well ground water elevation data indicate an inward gradient (toward the landfill) between perimeter landfill monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and MW-9S and landfill leachate monitoring well LMW-10 within the landfill slurry wall during at least part of 2021 and indicate an inward gradient with respect to LMW-11 throughout 2021. The significant natural ground water gradient from the landfill to the monitoring wells located east of the landfill (MW-1S/1D and MW-7S/7D) prevent establishment of an inward gradient toward the landfill from the eastern monitoring wells.

Inspection of leachate recovery well RW-2 in March 2021 revealed an area of leachate around the well casing. Review of RW-2 run hours and totalizer logs indicated the pump was operational but the totalizer readings were constant, indicating a break in the RW-2 leachate discharge line. City of Rome personnel will excavate and repair the broken discharge line. A patch will be placed on the cut made in the geomembrane landfill liner and will be heat sealed.

From June 2021 through August 2021 the City conducted a pilot program to determine the type and placement of additional recovery wells required to establish a localized inward hydraulic gradient by installation of appropriately located shallow piezometers or monitoring wells to measure the hydraulic gradient across the barrier. The test consisted of the installation of one (1) six-inch inside diameter (I.D.) groundwater recovery well (RW-5B) and three (3) shallow piezometers to monitor groundwater levels during pumping and removal of groundwater from the newly installed recovery well RW-5B.

The pilot study documented significant difficulties and limitations for installing and operating vertical recovery wells for removal of groundwater. It is anticipated that the same difficulties and limitations would be expected for a horizontal directionally drilled (HDD) recovery well at the Tannery Road Landfill. Difficulties placing a sand pack around the well screen would likely result in sand infiltration in the horizontal well and very low flow rates through the well screen. Accumulation of sand in a HDD recovery well likely would clog the pumps and piping limiting the ability to effectively pump and capture groundwater and leachate.

Based on the presence of heaving glaciolacustrine fine sand at the Tannery Road Landfill, the results of the hydrologic testing performed during this pilot study, it is apparent that neither vertical nor horizontal recovery wells around the perimeter of the Tannery Road Landfill are technically feasible as a groundwater/leachate recovery system. Experience with existing recovery wells RW-1, RW-2, RW-3, and RW-4 indicates that installing recovery wells through the waste mass also is not feasible due to differential settlement leading to well shearing and failure.

The data indicate that neither additional vertical nor new horizontal recovery wells can be used to efficiently pump leachate and groundwater from within the hydraulic barrier/cap system to establish a localized inward hydraulic gradient. Installation of additional vertical or new horizontal recovery wells is not recommended considering they would not achieve the goal of creating a localized inward hydraulic gradient at the landfill hydraulic barrier.

The City of Rome proposes to maintain the original groundwater/leachate recovery system, consisting of the four groundwater/leachate recovery wells. Public water is provided on Tannery

Road and therefore there is no human exposure to leachate related contaminants via drinking water. An off-site investigation conducted in 2003 indicated that the closed City of Rome, Tannery Road landfill is not having a significant impact on Canada Creek surface water or sediment quality. Ground water quality data indicate that ground water in the vicinity of monitoring wells MW-2D, MW-3S, MW-5S and MW-7D has significantly improved since closure of the landfill.

The 281,400 gallons of leachate collected in 2021 is less than the annual 4 million gallons site remedy objective. In 2021 leachate recovery wells RW-1, RW-2 and RW-4 were inoperable. Historically, the annual volume of leachate collected has been below the 4 million gallon objective, which has been determined to be an unrealistic objective.

Repair of existing leachate recovery wells RW-2, RW-3 and RW-4 represents the correctives measures plan.

2.0 SITE OVERVIEW

The Rome Landfill, NYSDEC Site #633012, also referred to as the Tannery Road Landfill, (hereafter referred to as the Site) is located on Tannery Road, approximately 0.9 miles south of Route 69 and 1.2 miles north of Oswego Road in the Western portion of the City of Rome (Figure 1), Oneida County, New York (Parcel No. 221.000-1-7.1). The site is located on a 140 acre tract of land owned by the City of Rome. The actual "footprint" of the landfill is approximately 44 acres. It is a relatively rural area with some residential and commercial development along Tannery Road. The landfill is currently a large plateau with steep sides rising approximately 30 feet above the surrounding low lying terrain. The site is bordered on the north by the abandoned New York Central Railroad line, on the west and south by Freshwater Wetland VE-2, and on the east by the 14.5 acre Oneida County Ash Landfill. Figure 1 depicts the site location and Figure 2 depicts site parcel boundary.

The Remedial Action Objectives (RAOs) for the Site as listed in the Rome Landfill, Tannery Road Record of Decision or Decision Document] dated March 1995 are as follows:

- Reduce, control, or eliminate the generation of leachate within the soils/waste on site.
- Eliminate the threat to surface waters by eliminating any future contaminated surface run-off from the contaminated soils on site.
- Eliminate the potential for direct human or animal contact with landfill waste.
- Mitigate the impacts of contaminated groundwater on the environment.
- Prevent, to the extent practical, migration of contaminants in the landfill to groundwater.
- Provide for attainment of SCGs for groundwater quality at the limits of the area of concern (AOC).

- Ensure a safe water supply for any downgradient residents whose wells may have been impacted by the landfill.

A series of ICs is required by the ROD to: (1) implement, maintain and monitor Engineering Control systems; (2) prevent future exposure to remaining contamination; and, (3) prohibit development of the site. Adherence to these ICs on the site is required by the Deed restriction and will be implemented under this SMP. ICs identified in the Deed restriction may not be discontinued without an amendment to or extinguishment of the Deed restriction. These ICs are:

- The property use is limited to a capped and closed landfill; however landfill may be used for solar power generation. All ECs must be operated and maintained as specified in this SMP;
- All ECs must be inspected at a frequency and in a manner defined in the SMP.
- The use of groundwater underlying the property is prohibited.
- Groundwater and other environmental or public health monitoring must be performed as defined in this SMP.
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP.
- All future activities that will disturb remaining contaminated material must be conducted in accordance with this SMP.
- Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in this SMP.
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP.
- Maintain public water line along Tannery Road and connect any new users to the water line.
- Maintain leachate sewer line to the City of Rome wastewater treatment plant.
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Deed restriction.
- Vegetable gardens and farming on the site are prohibited.

3.0 REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

The site remedy consisted of the following:

- Regrading the landfill to reduce the landfill footprint from 57 acres to 44 acres and the recreation of approximately 11 acres of wetland.
- Installation of an FML cap over the landfill that meets NYSDEC Part 360 standards.
- Construction of a full slurry wall surrounding the landfill waste, and the pumping and treatment of approximately 4 million gallons of leachate per year with treatment at the Rome POTW.
- Extension of a public water supply main to replace impacted and threatened private water wells along Tannery Road.
- Fencing, deed restrictions, maintenance, and periodic reviews.
- Long term monitoring program will allow the effectiveness of the selected remedy to be monitored by sampling and testing of groundwater.

3.1 Landfill Cap

Although there are areas of erosion (refer to Section 5.3) the landfill cap continues to be effected in meeting the following remedial action objectives:

- Eliminate the threat to surface waters by eliminating any future contaminated surface run-off from the contaminated soils on site.
- Eliminate the potential for direct human or animal contact with landfill waste.
- Reduces generation of leachate by minimizing precipitation from infiltrating landfill waste.

3.2 Public Water Supply

The City of Rome continues to maintain the public water supply to residents along Tannery Road

3.3 Slurry Wall and Leachate Pumping System

The slurry wall and leachate pumping system have to a significant extent meet the following remedial action objectives:

- Mitigate the impacts of contaminated groundwater on the environment.
- Prevent, to the extent practical, migration of contaminants in the landfill to groundwater.

- Provide for attainment of SCGs for groundwater quality at the limits of the area of concern (AOC).

As discussed in Section 5.1, ground water concentrations of the leachate indicator parameters in perimeter monitoring wells MW-2D, MW-3S, MW-5S and MW-7D have decreased from pre landfill closure concentrations. However, the ground water concentration of some leachate indicator parameters in ground water from monitoring wells MW-3S, MW-4S and MW-7D are elevated with respect to upgradient MW-9S ground water concentrations. Historical ground water data indicate that the ground water iron concentrations detected above the ground water standard in some of the down gradient landfill monitoring wells are most likely related to a combination of natural sources and a landfill derived impact on ground water. The reported concentrations do not represent an environmental or public health threat.

4.0 IC/EC PLAN COMPLIANCE REPORT

Periodic Review Report forms are provided in Appendix F.

4.1 Engineering Controls

4.1.1 Ground water Containment/Leachate Collection

Details on the ground water containment and leachate collection for 2021 are provided in Sections 5.2 and 5.4, respectively. Section 5.1 provides details on ground water quality adjacent to the landfill.

Control Objective: The slurry wall in conjunction with the four leachate recovery wells is intended to create an inward ground water gradient toward the landfill. The ROD stated approximately 4 million gallons of leachate per year would be extracted from the landfill. Remedial action objectives are further discussed in Section 3.3

Status: Three of the four leachate recovery wells are currently inoperable. Annual landfill leachate extraction has not reached the 4 million gallon per year objective. Generally there is an inward gradient for at least part if not all of the year in the central northern and southern areas of the landfill. There is no inward gradient in the eastern section of the landfill. The ground water gradient across the site from west to east is approximately 7 to 8 feet. The leachate well pilot study determined that a network of vertical or horizontal leachate collection wells is incapable of creating an inward gradient along the eastern section of the landfill. Ground water quality adjacent to the landfill is further discussed in Section 5.1.

Corrective Measures: From June 2021 through August 2021 Sterling Environmental Engineering (Sterling) on behalf of the City conducted a pilot program to determine the type and placement of additional recovery wells required to establish a localized inward hydraulic gradient by installation of appropriately located shallow piezometers or monitoring wells to measure the hydraulic gradient across the barrier. The test consisted of the installation of one (1) six-inch inside diameter (I.D.) groundwater recovery well (RW-5) and three (3) shallow piezometers to monitor groundwater levels during pumping and removal of groundwater from the newly installed recovery well RW-5B. The pilot study report is provided in Appendix G.

The pilot study documented significant difficulties and limitations for installing and operating vertical recovery wells for removal of groundwater. It is anticipated that the same difficulties and limitations would be expected for a horizontal directionally drilled (HDD) recovery well at the Tannery Road Landfill. Difficulties placing a sand pack around the well screen would likely result in sand infiltration in the horizontal well and very low flow rates through the well screen. Accumulation of sand in a HDD recovery well likely would clog the pumps and piping limiting the ability to effectively pump and capture groundwater and leachate.

Based on the presence of heaving glaciolacustrine fine sand at the Tannery Road Landfill, the results of the hydrologic testing performed during this pilot study, neither vertical nor horizontal recovery wells around the perimeter of the Tannery Road Landfill are technically feasible as a groundwater/leachate recovery system. Experience with existing recovery wells RW-1, RW-2, RW-3 and RW-4 indicates that installing recovery wells through the waste mass also is not feasible due to differential settlement leading to well shearing and failure.

The data indicate that neither additional vertical nor new horizontal recovery wells can be used to efficiently pump leachate and groundwater from within the hydraulic barrier/cap system to establish a localized inward hydraulic gradient. Installation of additional vertical or new horizontal recovery wells is not recommended considering they would not achieve the goal of creating a localized inward hydraulic gradient at the landfill hydraulic barrier.

The City of Rome proposes to maintain the original groundwater/leachate recovery system, consisting of the four groundwater/leachate recovery wells. Public water is provided on Tannery Road and therefore there is no human exposure to leachate related contaminants via drinking water. An off-site investigation conducted in 2003 indicated that the closed City of Rome, Tannery Road landfill is not having a significant impact on Canada Creek surface water or sediment quality. Ground water quality data indicate that ground water in the vicinity of monitoring wells MW-2D, MW-3S, MW-5S and MW-7D has significantly improved since closure of the landfill.

Repair of existing leachate recovery wells RW-2, RW-3 and RW-4 represents the correctives measures plan.

4.1.2 Cover System

Details on the landfill cover system based on the 2021 inspections are provided in Section 5.3.

Control Objective: The intent of the cover system is to eliminate the threat to surface waters by eliminating any future contaminated surface run-off from the contaminated soils on site. Eliminate the potential for direct human or animal contact with landfill waste. Reduces generation of leachate by minimizing precipitation from infiltrating landfill waste.

Status: Although there are areas of cap erosion. The cap geomembrane appears to be intact and the cover system continues to meet the control objectives.

Corrective Measures: It is recommended that repairs to erosion areas be implemented by replacing the soil, stabilizing with an erosion control mat (North American Green P550 or Curlex HVHD or equivalent and seeding/mulching.

4.1.3 Alternate Water Supply

Control Objective: Provide public drinking water to residents on Tannery Road

Status: The City continues to maintain the public water line on Tannery Road.

4.1.4 Fencing/Access Control

Control Objective: in conjunction with cover system eliminate potential for direct human or animal contact with landfill waste.

Status: The City continues to maintain site fencing and access control via locked gates.

4.2 Institutional Controls

Institutional controls include the approved Operation, Maintenance and Monitoring Plan (OMMP), a Site Management Plan (SMP) and a deed restriction.

Status: The OMMP was approved on 10/19/1999 and the SMP was submitted on 2/27/2021. Currently there is no deed restriction on file.

Corrective Measures: The City will submit a proposed deed restriction to the Department for review. The deed restriction will follow the Department's model deed restriction.

5.0 MONITORING PLAN COMPLIANCE REPORT

Site monitoring includes weekly inspection of the leachate collection system by City of Rome personnel. Overall site inspection and ground water level measurements were conducted quarterly by Delaware Engineering. Pursuant to the March 30, 2011 approval by the NYSDEC for a 15 month ground water monitoring schedule ground water samples were collected in March 2021. The March 2021 ground water data, the quarterly inspections, water level monitoring and historical ground water data are discussed in the following sections.

5.1 March 2021 Ground Water Data and Historical Ground Water And Leachate Analytical Data

Consistent with historical data, the March 2021 ground water iron concentration in all downgradient ground water monitoring well samples, the MW-2D, MW-3S, MW-5S and MW-7D manganese concentrations and the upgradient MW-9S ground water iron, manganese and sodium concentrations were higher than the respective NYS ground water standards. Historical ground water data indicate that the ground water iron concentrations detected above the ground water standard in some of the down gradient landfill monitoring wells are most likely related to a combination of natural sources and a landfill derived impact on ground water. The reported concentrations do not represent an environmental or public health threat.

The MW-2D, MW-3S and MW-7D ammonia concentrations were slightly above the laboratory reporting limit and above the upgradient MW-9S. The MW-96-4S ground water ammonia concentration was significantly higher than the upgradient MW-9S ammonia concentration of non-detect at the laboratory reporting limit. The MW-2D, MW-3S, MW-4S and MW-7D ground water ammonia concentrations were less than the NYS ground water standard. The MW-7D BOD and TOC concentrations and the MW-4S COD concentration were higher than the upgradient MW-9S concentrations. Data indicate a continued landfill related impact on ground water quality at these locations for these parameters.

Consistent with historical data, the MW-1S, MW-4S and MW-5S ground water pH was less than the NYS ground water standard lower limit. The low pH is not considered related to the landfill. Historically, landfill leachate pH has typically been higher than the ground water standard lower limit. The downgradient MW-2D, MW-3S, MW-4S and MW-7D and the upgradient MW-9S ground water color values were higher than the ground water standard.

The ground water field turbidity value in the ground water samples from all monitoring wells was above the NYS ground water standard. The turbidity is related to the movement of fine grain material into the well during the sampling procedure and is not a landfill related impact on ground water quality.

The trend graphs indicate that MW-3S ground water alkalinity, ammonia, BOD, COD, chloride, iron, potassium, sodium, TDS and TOC concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have stabilized at the current levels. MW-3S manganese concentrations exhibit an increasing trend from the low concentrations that occurred in 2004, but the current manganese concentration appears stable. The decreasing MW-2D ammonia, potassium, sodium and TOC concentrations and the decreasing MW-5S alkalinity, ammonia, COD, manganese, potassium, sodium, TDS and TOC concentrations appear to have stabilized. Trend graphs indicate that MW-7D ground water alkalinity, ammonia, COD, chloride, iron, potassium, sodium, TDS and TOC concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have stabilized at the current concentrations. The MW-1S and MW-4S ground water alkalinity, BOD, COD, ammonia, chloride, iron, manganese, potassium, sodium, TDS and TOC concentrations are generally stable.

Historical analytical data summary tables and ground water monitoring well trend graphs of leachate indicator parameter concentrations are provided in Appendix A and Appendix B, respectively. Data indicate a continued limited landfill related impact on ground water quality at monitoring wells MW-2D, MW-3S, MW-4S and MW-7D, although MW-2D, MW-3S, MW-5S and MW-7D ground water quality has significantly improved since closure of the landfill.

5.2 2021 And Historical Ground Water Elevation Data

Ground water elevation data were measured quarterly from monitoring wells MW-1S, MW-2S, MW-3S, MW-4S, MW-5S, MW-7S, MW-9S, piezometer PZ-1 and leachate wells LMW-10 and LMW-11. Due to an obstruction in the well casing water level measurements can't be obtained from LMW-12. A summary of the 2021 ground water elevation data are provided in Table 2. Ground water contour maps for March, June, September and December 2021 are enclosed. Graphs depicting historical ground water elevations over time for each monitoring well are provided in Appendix C.

Monitoring well MW-9S has been considered upgradient of the landfill. However, historical ground water elevation data indicate that there are periods when the ground water elevation in MW-9S is lower than the water level elevation in landfill leachate wells LMW-10 and LMW-11 and lower than the ground water elevation in monitoring well MW-3S. Monitoring well MW-9S is located at a greater distance in an upgradient direction from the landfill than any other monitoring well, and would be expected to exhibit less of a landfill related impact on ground water quality than any other landfill monitoring well. Therefore, for the purpose of comparing ground water analytical results, ground water data from monitoring well MW-9S has been considered representative of background conditions.

In 2021 the MW-3S and MW-9S March, June, September and December, the MW-2S March and December, the MW-4S March and September and the MW-5S March, September and December ground water elevations were higher than the LMW-10 leachate monitoring well ground water elevations indicating an inward gradient. Data indicate an inward gradient at monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and MW-9S for at least part of 2021.

The MW-2S, MW-3S, MW-4S, MW-5S and MW-9S March, June, September and December ground water elevations were higher than the LMW-11 leachate monitoring well ground water elevation. Data indicate an inward gradient with respect to LMW-11 throughout 2021.

Trend graphs of historical ground water elevation data indicate an increasing trend at LMW-10 and LMW-11. With the exception of monitoring wells MW-1S and MW-2S, ground water monitoring well ground water elevations exhibited a slight increasing trend. The MW-1S and MW-2S ground water elevation exhibits a slight decreasing trend.

Monitoring well ground water elevation and leachate monitoring well ground water elevation data indicate an inward gradient (toward the landfill) between perimeter landfill monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and MW-9S and landfill leachate monitoring well LMW-10 within the landfill slurry wall during at least part of 2021 and indicate an inward gradient with respect to LMW-11 throughout 2021. The significant natural ground water gradient from the landfill to the monitoring wells located east of the landfill (MW-1S/1D and MW-7S/7D) prevent establishment of an inward gradient toward the landfill from the eastern monitoring wells.

5.3 2021 Site Inspections

Inspection of leachate recovery well RW-2 in March 2021 revealed an area of leachate around the well casing. Review of RW-2 run hours and totalizer logs indicated the pump was operational but the totalizer readings were constant, indicating a break in the RW-2 leachate discharge line. City of Rome personnel will excavate and repair the broken discharge line. A patch will be placed on the cut made in the geomembrane landfill liner and will be heat sealed.

5.3.1 Weekly Site Inspections

City of Rome personnel in accordance with the procedures detailed in the O&M manual conducted weekly landfill inspections. The weekly inspections included evaluation of the ground water/leachate pumping operation and general site security.

5.3.2 Quarterly Inspections

Delaware Engineering performed quarterly landfill inspections. The inspections included general review of landfill cap conditions, general site conditions, evaluation and recording of data for the ground water/leachate pumping system, collection of ground water levels. Quarterly inspection sheets are provided in Appendix D.

The 2021 landfill inspections revealed several areas of erosion and cap settlement. Cap settlement was observed on the east, southeast and north side of the landfill. A potential concern is ponding water on the landfill liner. If this continues and becomes a significant concern the settlement areas should be investigated by conducting test pits either by hand or careful excavation to determine if the liner has settled. If the liner has settled it's recommended that the area be excavated to the extent of the settlement, the liner cut open, and the settlement area backfilled to the surrounding grade. Restore the gas vent layer, have the liner repaired by a liner company and replace the barrier protection. Grade the area to drain to the tack-on-berm.

Cap and tac-on-berm erosion was observed at the following locations:

1. Erosion in cap material north side of landfill.

2. Erosion of berm at several locations north side of landfill.

3. Erosion of berm several locations east side of landfill.

4. Cap settling southeast side of landfill and north side of landfill.

5. Erosion berm southwest side of landfill.

6. Erosion cap south/south east side of the landfill

A map showing locations are provided in Appendix E. It is recommended that repairs to erosion areas be implemented by replacing the soil, stabilizing with an erosion control mat (North American Green P550 or Curlex HVHD or equivalent and seeding/mulching.

None of the flares are currently operational. The flare located furthest south on the landfill is broken off at the base. When flares have been operational none of the operational flares have been ignited, most likely indicating insufficient flammable gas for ignition.

In March 2021 it was determined that the discharge line from recovery well RW-2 was damaged. In May 2021 City of Rome personnel excavated the line to locate the damaged section. The City will repair the damaged section and the geomembrane liner will be patched and heat welded.

5.4 2021 Ground Water / Leachate Pumping System

For each recovery well, readings from the flow totalizers in the meter pit were recorded during the quarterly inspections. Leachate flows for each recovery well for the period from December 11, 2018 to December 11, 2021 are presented below.

RW-1	0 gallons
RW-2	0 gallons
RW-3	281,400 gallons
RW-4	0 gallons
Total Gallons	281,400 gallons

A summary of the total gallons of leachate that have been pumped from the landfill since 1998 is provided in Table 3.

During 2021 recovery wells RW-1, RW-2 and RW-4 were not functional. As noted in the 2005 annual report a video inspection of RW-1 and RW-4 revealed that the well casings had collapsed prohibiting the discharge of leachate from the pumps. Continual shifting of the landfill mass has previously affected site monitoring wells and leachate recovery well RW-4.

5.5 Conclusions

Historical analytical data summary tables and ground water monitoring well trend graphs of leachate indicator parameter concentrations are provided in Appendix A and Appendix B, respectively. Data indicate a continued limited landfill related impact on ground water quality at monitoring wells MW-2D, MW-3S, MW-4S and MW-7D, although MW-2D, MW-3S, MW-5S and MW-7D ground water quality has significantly improved since closure of the landfill.

Trend graphs indicate that MW-3S ground water alkalinity, ammonia, BOD, COD, chloride, iron, potassium, sodium, TDS and TOC concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have stabilized at the current levels. MW-3S manganese concentrations exhibit an increasing trend from the low concentrations that occurred in 2004, but the current manganese concentration appears stable. The decreasing MW-2D ammonia, potassium, sodium and TOC concentrations and the decreasing MW-5S alkalinity, ammonia, COD, manganese, potassium, sodium, TDS and TOC concentrations appear to have stabilized. Trend graphs indicate that MW-7D ground water alkalinity, ammonia, COD, chloride, iron, potassium, sodium, TDS and TOC concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have stabilized at the current concentrations. The MW-1S and MW-

4S ground water alkalinity, BOD, COD, ammonia, chloride, iron, manganese, potassium, sodium, TDS and TOC concentrations are generally stable.

The 2021 landfill inspections revealed several areas of erosion and cap settlement. Cap settlement was observed on the east, southeast and north side of the landfill. A potential concern is ponding water on the landfill liner. If this continues and becomes a significant concern the settlement areas should be investigated by conducting test pits either by hand or careful excavation to determine if the liner has settled. If the liner has settled it's recommended that the area be excavated to the extent of the settlement, the liner cut open, and the settlement area backfilled to the surrounding grade. Restore the gas vent layer, have the liner repaired by a liner company and replace the barrier protection. Grade the area to drain to the tack-on-berm.

Although there are several areas of landfill cap erosion, the cap geomembrane appears to be intact and the cover system continues to meet the control objectives. It is recommended that repairs to erosion areas be implemented by replacing the soil, stabilizing with an erosion control mat (North American Green P550 or Curlex HVHD or equivalent and seeding/mulching.

Monitoring well ground water elevation and leachate monitoring well ground water elevation data indicate an inward gradient (toward the landfill) between perimeter landfill monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and MW-9S and landfill leachate monitoring well LMW-10 within the landfill slurry wall during at least part of 2021 and indicate an inward gradient with respect to LMW-11 throughout 2021. The significant natural ground water gradient from the landfill to the monitoring wells located east of the landfill (MW-1S/1D and MW-7S/7D) prevent establishment of an inward gradient toward the landfill from the eastern monitoring wells.

The 281,400 gallons of leachate collected in 2021 is less than the annual 4 million gallons site remedy objective. In 2021 leachate recovery wells RW-1, RW-2 and RW-4 were inoperable. Historically, the annual volume of leachate collected has been below the 4 million gallon per year objective.

6.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE

6.1 Operation and Maintenance Plan Requirements

Operation and maintenance requirements are summarized below and detailed in the Operation and Maintenance Monitoring Plan (October 1999):

- Weekly recording of leachate flow meter totals and pump station hour meter readings.
- Monthly inspection of the leachate collection system and recording of flow meter and hour meter readings. Monthly inspection of access road and perimeter fencing
- Quarterly inspection of the landfill cover system
- Quarterly collection of ground water elevations
- 15 month ground water monitoring schedule (alternating quarters, March, June, September and December)
- Monthly inspection of landfill gas flares

- Quarterly inspection of landfill vents and hydrogen sulfide monitoring at vents.

6.2 Summary of O&M Completed During Reporting Period

With the exception of the inspection and maintenance of the landfill gas flares and the hydrogen sulfide monitoring of the landfill vents, all required inspections were conducted. The landfill gas flares no longer remain ignited when they are operational, most likely due to lack of combustible gas. Therefore inspection and maintenance of the flares has been discontinued. There have been no hydrogen sulfide odors associated with the landfill vents and hydrogen sulfide monitoring has been discontinued.

6.3 Evaluation of Remedial Systems and Corrective Actions

As noted in previous sections of this report leachate recovery wells RW-1, RW-2 and RW-4 are not operational and historically, the annual volume of leachate collected has been below the 4 million gallon objective. The required inward gradient was not consistent through the entire monitoring period.

From June 2021 through August 2021 Sterling Environmental Engineering (Sterling) on behalf of the City conducted a pilot program to determine the type and placement of additional recovery wells required to establish a localized inward hydraulic gradient by installation of appropriately located shallow piezometers or monitoring wells to measure the hydraulic gradient across the barrier. The test consisted of the installation of one (1) six-inch inside diameter (I.D.) groundwater recovery well (RW-5) and three (3) shallow piezometers to monitor groundwater levels during pumping and removal of groundwater from the newly installed recovery well RW-5B.

The pilot study documented significant difficulties and limitations for installing and operating vertical recovery wells for removal of groundwater. It is anticipated that the same difficulties and limitations would be expected for a horizontal directionally drilled (HDD) recovery well at the Tannery Road Landfill. Difficulties placing a sand pack around the well screen would likely result in sand infiltration in the horizontal well and very low flow rates through the well screen. Accumulation of sand in a HDD recovery well likely would clog the pumps and piping limiting the ability to effectively pump and capture groundwater and leachate.

Based on the presence of heaving glaciolacustrine fine sand at the Tannery Road Landfill, the results of the hydrologic testing performed during this pilot study, Sterling concluded that neither vertical nor horizontal recovery wells around the perimeter of the Tannery Road Landfill are technically feasible as a groundwater/leachate recovery system. Experience with existing recovery wells RW-1, RW-2, RW-3, and RW-4 indicates that installing recovery wells through the waste mass also is not feasible due to differential settlement leading to well shearing and failure.

The data indicate that neither additional vertical nor new horizontal recovery wells can be used to efficiently pump leachate and groundwater from within the hydraulic barrier/cap system to establish a localized inward hydraulic gradient. Installation of additional vertical or new horizontal recovery wells is not recommended considering they would not achieve the goal of creating a localized inward hydraulic gradient at the landfill hydraulic barrier.

The City of Rome proposes to maintain the original groundwater/leachate recovery system, consisting of the four groundwater/leachate recovery wells. Public water is provided on Tannery Road and therefore there is no human exposure to leachate related contaminants via drinking water. An off-site investigation conducted in 2003 indicated that the closed City of Rome, Tannery Road landfill is not having a significant impact on Canada Creek surface water or sediment quality. Ground water quality data indicate that ground water in the vicinity of monitoring wells MW-2D, MW-3S, MW-5S and MW-7D has significantly improved since closure of the landfill.

Although there are several areas of landfill cap erosion, the cap geomembrane appears to be intact and the cover system continues to meet the control objectives. It is recommended that repairs to erosion areas be implemented by replacing the soil, stabilizing with an erosion control mat (North American Green P550 or Curlex HVHD or equivalent and seeding/mulching.

7.0 PRR CONCLUSIONS AND RECOMMENDATIONS

The periodic review report (PRR) institutional and engineering controls certification form is provided in Appendix F. Leachate recovery wells RW-1 and RW-4 are not functional and historically annual leachate collection volume has not achieved the 4 million gallon per year remedial objective.

Historical analytical data summary tables and ground water monitoring well trend graphs of leachate indicator parameter concentrations are provided in Appendix A and Appendix B, respectively. Data indicate a continued limited landfill related impact on ground water quality at monitoring wells MW-2D, MW-3S, MW-4S and MW-7D, although MW-2D, MW-3S, MW-5S and MW-7D ground water quality has significantly improved since closure of the landfill.

Trend graphs indicate that MW-3S ground water alkalinity, ammonia, BOD, COD, chloride, iron, potassium, sodium, TDS and TOC concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have stabilized at the current levels. MW-3S manganese concentrations exhibit an increasing trend from the low concentrations that occurred in 2004, but the current manganese concentration appears stable. The decreasing MW-2D ammonia, potassium, sodium and TOC concentrations and the decreasing MW-5S alkalinity, ammonia, COD, manganese, potassium, sodium, TDS and TOC concentrations appear to have stabilized. Trend graphs indicate that MW-7D ground water alkalinity, ammonia, COD, chloride, iron, potassium, sodium, TDS and TOC concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have stabilized at the current concentrations. The MW-1S and MW-4S ground water alkalinity, BOD, COD, ammonia, chloride, iron, manganese, potassium, sodium, TDS and TOC concentrations are generally stable.

The 2021 landfill inspections revealed several areas of erosion and cap settlement. Cap settlement was observed on the east, southeast and north side of the landfill. A potential concern is ponding water on the landfill liner. If this continues and becomes a significant concern the settlement areas should be investigated by conducting test pits either by hand or careful excavation to determine if the liner has settled. If the liner has settled it's recommended that the area be excavated to the extent of the settlement, the liner cut open, and the settlement area backfilled to the surrounding grade. Restore the gas vent layer, have the liner repaired by a liner company and replace the barrier protection. Grade the area to drain to the tack-on-berm.

Although there are several areas of landfill cap erosion, the cap geomembrane appears to be intact and the cover system continues to meet the control objectives. It is recommended that repairs to erosion areas be implemented by replacing the soil, stabilizing with an erosion control mat (North American Green P550 or Curlex HVHD or equivalent and seeding/mulching.

Monitoring well ground water elevation and leachate monitoring well ground water elevation data indicate an inward gradient (toward the landfill) between perimeter landfill monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and MW-9S and landfill leachate monitoring well LMW-10 within the landfill slurry wall during at least part of 2021 and indicate an inward gradient with respect to LMW-11 throughout 2021. The significant natural ground water gradient from the landfill to the monitoring wells located east of the landfill (MW-1S/1D and MW-7S/7D) prevent establishment of an inward gradient toward the landfill from the eastern monitoring wells.

The 281,400 gallons of leachate collected in 2021 is less than the annual 4 million gallons site remedy objective. In 2021 leachate recovery wells RW-1, RW-2 and RW-4 were inoperable. Historically, the annual volume of leachate collected has been below the 4 million gallon objective.

From June 2021 through August 2021 the City conducted a pilot program to determine the type and placement of additional recovery wells required to establish a localized inward hydraulic gradient by installation of appropriately located shallow piezometers or monitoring wells to measure the hydraulic gradient across the barrier. The test consisted of the installation of one (1) six-inch inside diameter (I.D.) groundwater recovery well (RW-5) and three (3) shallow piezometers to monitor groundwater levels during pumping and removal of groundwater from the newly installed recovery well RW-5B.

The pilot study documented significant difficulties and limitations for installing and operating vertical recovery wells for removal of groundwater. It is anticipated that the same difficulties and limitations would be expected for a horizontal directionally drilled (HDD) recovery well at the Tannery Road Landfill. Difficulties placing a sand pack around the well screen would likely result in sand infiltration in the horizontal well and very low flow rates through the well screen. Accumulation of sand in a HDD recovery well likely would clog the pumps and piping limiting the ability to effectively pump and capture groundwater and leachate.

Based on the presence of heaving glaciolacustrine fine sand at the Tannery Road Landfill, the results of the hydrologic testing performed during this pilot study, it is apparent that neither vertical nor horizontal recovery wells around the perimeter of the Tannery Road Landfill are technically feasible as a groundwater/leachate recovery system. Experience with existing recovery wells RW-1, RW-2, RW-3, and RW-4 indicates that installing recovery wells through the waste mass also is not feasible due to differential settlement leading to well shearing and failure.

The data indicate that neither additional vertical nor new horizontal recovery wells can be used to efficiently pump leachate and groundwater from within the hydraulic barrier/cap system to establish a localized inward hydraulic gradient. Installation of additional vertical or new horizontal recovery wells is not recommended considering they would not achieve the goal of creating a localized inward hydraulic gradient at the landfill hydraulic barrier.

The City of Rome proposes to maintain the original groundwater/leachate recovery system, consisting of the four groundwater/leachate recovery wells. Public water is provided on Tannery Road and therefore there is no human exposure to leachate related contaminants via drinking water. An off-site investigation conducted in 2003 indicated that the closed City of Rome, Tannery Road landfill is not having a significant impact on Canada Creek surface water or sediment quality.

Ground water quality data indicate that ground water in the vicinity of monitoring wells MW-2D, MW-3S, MW-5S and MW-7D has significantly improved since closure of the landfill. Trend graphs indicate that MW-3S ground water alkalinity, ammonia, BOD, COD, chloride, iron, potassium, sodium, TDS and TOC concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have stabilized at the current levels. MW-3S manganese concentrations exhibit an increasing trend from the low concentrations that occurred in 2004, but the current manganese concentration appears stable. The decreasing MW-2D ammonia, potassium, sodium and TOC concentrations and the decreasing MW-5S alkalinity, ammonia, COD, manganese, potassium, sodium, TDS and TOC concentrations appear to have stabilized. Trend graphs indicate that MW-7D ground water alkalinity, ammonia, COD, chloride, iron, potassium, sodium, TDS and TOC concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have stabilized at the current concentrations. The MW-1S and MW-4S ground water alkalinity, BOD, COD, ammonia, chloride, iron, manganese, potassium, sodium, TDS and TOC concentrations are generally stable.

TABLES

Table 1
City of Rome Tannery Road Landfill
March 2021 Ground Water Data

Sample Location	MW-1S	MW-2D	MW-3S	MW-4S	MW-5S	MW-7D	MW-9S	LMW-10	NYSDEC Ground Water Standard/GV
Leachate Indicators (mg/L)									
Ammonia-Nitrogen (mg/L)	<0.1	0.2	0.2	1.5	<0.1	0.1	<0.1	**49.8**	2.0
Biochemical Oxygen Demand (BOD) (mg/L)	<4.0	<4.0	2.6	<4.0	<4.0	6	<4.0	37	NS
Bromide (mg/L)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2 (GV)
Chemical Oxygen Demand (COD) (mg/L)	13	10	17	59	13	42	42	111	NS
Chloride (mg/L)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	68	250
Color (Pt-Co)	8	**150**	**45**	**100**	8	**360**	**90**	**160**	15
Nitrate-Nitrogen (mg/L)	0.06	<0.04	<0.04	<0.04	0.05	<0.04	<0.04	<0.04	10
Sulfate (mg/L)	4.48	5.56	4.08	28.1	6.27	<2.0	6.04	10.6	250
Total Alkalinity (mg/L)	2	84	210	11	92	150	240	710	NS
Total Cyanide (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.2
Total Dissolved Solids (mg/L)	<5.0	65	150	55	25	170	250	**780**	500
Total Hardness (mg/L)	6	90	212	41	98	162	241	395	NS
Total Kjeldahl Nitrogen (mg/L)	1.7	2	<1.0	3.4	<1.0	3.1	<1.0	49.3	NS
Total Organic Carbon (mg/L)	9.2	25.2	57.8	30.4	43.5	83.4	62.8	45.3	NS
Total Phenols (mg/L)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.001
Part 360 Routine Metals									
Cadmium (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.005
Calcium (mg/L)	1.63	28.4	64.4	12.9	28	43.9	76.8	112	NS
Iron (mg/L)	**1.28**	**9.68**	**16.2**	**2.02**	**5.09**	**18.3**	**2.56**	**15.9**	0.3
Lead (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.025
Magnesium (mg/L)	0.34	4.71	12.4	2.2	6.82	12.9	12	28	35
Manganese (mg/L)	0.025	**0.835**	**0.422**	0.104	**0.385**	**1.34**	**0.694**	**0.363**	0.3
Potassium (mg/L)	0.11	2.81	2.41	0.357	2.04	7.2	4.49	152	NS
Sodium (mg/L)	0.764	1.03	0.907	1.14	0.788	3.51	**35.9**	**68.6**	20
Part 360 Baseline Metals (mg/L)									
Aluminum (mg/L)	2.99	<0.1	<0.1	0.622	<0.1	<0.1	0.373	<0.1	NS
Antimony (mg/L)	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.003
Arsenic (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.025
Barium (mg/L)	<0.01	0.094	0.023	0.013	0.018	0.065	0.101	0.538	1
Beryllium (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.003 GV
Boron (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	0.078	<0.05	0.83	1
Chromium (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.05
Chromium, Hexavalent (mg/L)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.05
Cobalt (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NS
Copper (mg/L)	<0.005	<0.005	<0.005	0.008	<0.005	<0.005	0.012	<0.005	0.2
Mercury (mg/L)	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0007
Nickel (mg/L)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.1
Selenium (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.01
Silver (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05
Thallium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0005 GV
Vanadium (mg/L)	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	NS
Zinc (mg/L)	0.029	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.011	2
Field Parameters									
Conductivity (μmhos/cm)	19		406	93	186	345	399	1,515	NS
pH (s.u.)	**5.41**		6.97	**6.41**	**6.44**	6.66	7.57	7.03	6.5-8.5
Redox (mV)	281.3		-53.1	79.6	35.7	-26.7	121.8	-76.1	NS
Temperature (deg C)	5		7	6.6	5.8	9.7	6.9	13.7	NS
Turbidity (NTU)	**24.8**		**8.02**	**8.64**	**20.19**	**9.52**	**11.3**	**67.55**	5
Volatiles (ug/L)									
1,1,1,2-Tetrachloroethane (μg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5

Table 1
City of Rome Tannery Road Landfill
March 2021 Ground Water Data

Sample Location	MW-1S	MW-2D	MW-3S	MW-4S	MW-5S	MW-7D	MW-9S	LMW-10	NYSDEC Ground Water Standard/GV
1,1,1-Trichloroethane (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
1,1,2,2-Tetrachloroethane (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
1,1,2-Trichloroethane (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	1
1,1-Dichloroethane (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
1,1-Dichloroethene (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
1,2,3-Trichloropropane (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.04
1,2-Dibromo-3-chloropropane (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.04
1,2-Dibromoethane (EDB) (µg/L)	<10	<10	<10	<10	<10	<10	<10	<10	5
1,2-Dichlorobenzene (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	3
1,2-Dichloroethane (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.6
1,2-Dichloropropane (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	1
1,3-Dichlorobenzene (æg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
1,4-Dichlorobenzene (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	3
2-Butanone (MEK) (µg/L)	<10	<10	<10	<10	<10	<10	<10	<10	50(GV)
2-Hexanone (µg/L)	<10	<10	<10	<10	<10	<10	<10	<10	50(GV)
4-Methyl 2-pentanone (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	50 (GV)
Acetone (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	50(GV)
Acrylonitrile (µg/L)	<10	<10	<10	<10	<10	<10	<10	<10	5
Benzene (µg/L)	<10	<10	<10	<10	<10	<10	<10	<10	1
Bromochloromethane (µg/L)	<10	<10	<10	<10	<10	<10	<10	<10	5
Bromodichloromethane (µg/L)	<25	<25	<25	<25	<25	<25	<25	<25	50(GV)
Bromoform (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	50(GV)
Bromomethane (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
Carbon disulfide (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	60 (GV)
Carbon tetrachloride (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
Chlorobenzene (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
Chloroethane (µg/L)	<10	<10	<10	<10	<10	<10	<10	<10	5
Chloroform (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	7
Chloromethane (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
cis-1,2-Dichloroethene (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
cis-1,3-Dichloropropene (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
Dibromochloromethane (µg/L)	<10	<10	<10	<10	<10	<10	<10	<10	5
Dibromomethane (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
Ethyl benzene (µg/L)	<10	<10	<10	<10	<10	<10	<10	<10	5
Iodomethane (µg/L)	<10	<10	<10	<10	<10	<10	<10	<10	5
Methylene Chloride (µg/L)	<10	<10	<10	<10	<10	<10	<10	<10	5
Styrene (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	50
Tetrachloroethene (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
Toluene (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
trans-1,2-Dichloroethene (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
trans-1,3-Dichloropropene (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
trans-1,4-Dichloro-2-butene (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
Trichloroethene (µg/L)	<10	<10	<10	<10	<10	<10	<10	<10	5
Trichlorofluoromethane (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5
Vinyl Acetate (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NS
Vinyl Chloride (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	2
Xylenes (Total) (µg/L)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5*

Notes:
1) Results in bold typeface indicate that the result exceeds the applicable standard.
2) NS indicates No Standard.
3) GV indicates that the standard listed is a Guidance Value.
4) J indicates estimated value below the laboratory practical quantitation limit but above the detection limit.

Table 2
Ground Water Elevation Data
City of Rome Tannery Road Landfill

WELL	MEASURING POINT ELEVATION (FT.)	12/30/2020	3/25/2021	6/2/2021	9/16/2021	12/21/2021
MW-1S	449.59	4.77	5.25	5.98	5.69	4.74
MW-2S	459.44	6.49	6.31	8.09	7.87	6.21
MW-3S	456.4	3.58	3.52	4.37	3.71	3.43
MW-4S	456.19	4.04	3.77	4.36	4.04	3.78
MW-5S	457.15	4.46	3.75	5.49	4.71	4.34
MW-7S	452.25	10.86	8.75	9.21	8.71	7.62
MW-9S	456.38	3.93	3.78	4.35	3.85	3.64
LMW-10	486.3	34.33	35.17	34.28	34.22	33.64
LMW-11	502.4	51.44	50.39	51.34	51.14	50.6
LMW-12	483.11	*	*	*	*	*
PZ-1	454.37	5.89	4.99	7.4	6.91	5.57

Ground Water Elevation ft amsl

WELL	12/30/2020	3/25/2021	6/2/2021	9/16/2021	12/21/2021
MW-1S	444.82	444.34	443.61	443.9	444.85
MW-2S	452.95	453.13	451.35	451.57	453.23
MW-3S	452.82	452.88	452.03	452.69	452.97
MW-4S	452.15	452.42	451.83	452.15	452.41
MW-5S	452.69	453.4	451.66	452.44	452.81
MW-7S	441.39	443.5	443.04	443.54	444.63
MW-9S	452.45	452.6	452.03	452.53	452.74
LMW-10	451.97	451.13	452.02	452.08	452.66
LMW-11	450.96	452.01	451.06	451.26	451.8
LMW-12	*	*	*	*	*
PZ-1	448.48	449.38	446.97	447.46	448.8

LMW-10 Comparison

WELL	12/30/2020	3/25/2021	6/2/2021	9/16/2021	12/21/2021
MW-1S	7.15	6.79	8.41	8.18	7.81
MW-2S	-0.98	-2	0.67	0.51	-0.57
MW-3S	-0.85	-1.75	-0.01	-0.61	-0.31
MW-4S	-0.18	-1.29	0.19	-0.07	0.25
MW-5S	-0.72	-2.27	0.36	-0.36	-0.15
MW-7S	10.58	7.63	8.98	8.54	8.03
MW-9S	-0.48	-1.47	-0.01	-0.45	-0.08
PZ-1	3.49	1.75	5.05	4.62	3.86

LMW-11 Comparison

WELL	12/30/2020	3/25/2021	6/2/2021	9/16/2021	12/21/2021
MW-1S	6.14	7.67	7.45	7.36	6.95
MW-2S	-1.99	-1.12	-0.29	-0.31	-1.43
MW-3S	-1.86	-0.87	-0.97	-1.43	-1.17
MW-4S	-1.19	-0.41	-0.77	-0.89	-0.61
MW-5S	-1.73	-1.39	-0.6	-1.18	-1.01
MW-7S	9.57	8.51	8.02	7.72	7.17
MW-9S	-1.49	-0.59	-0.97	-1.27	-0.94
PZ-1	2.48	2.63	4.09	3.8	3

Notes:
1) A negative number indicates an inward gradient.
2) * Obstruction in well casing unable to obtain water level measurement.

Table 3
Operational Data
City of Rome
Tannery Road Landfill

Pump Station at Tannery Road
Hour Meters

	12/30/2020	3/25/2021	6/2/2021	9/16/2021	12/21/2021	12/30/2020 - 12/21/2021
Pump #1	124,699	124,699	124,699	124,947	125,654	955
Pump #2	123,080	124,525	125,225	126,178	126,606	3,526

Totalizers in Meter Pit (Gallons Pumped)

	12/30/2020	3/25/2021	6/2/2021	9/16/2021	12/21/2021	12/30/2020 - 12/21/2021
RW-1	4,538,600	4,538,600	4,538,600	4,538,600	4,538,600	0
RW-2	629,900	629,900	629,900	629,900	629,900	0
RW-3	6,345,300	6,501,600	6,529,600	6,626,600	6,626,700	281,400
RW-4	Removed	Removed	Removed	Removed	Removed	0
Total						281,400

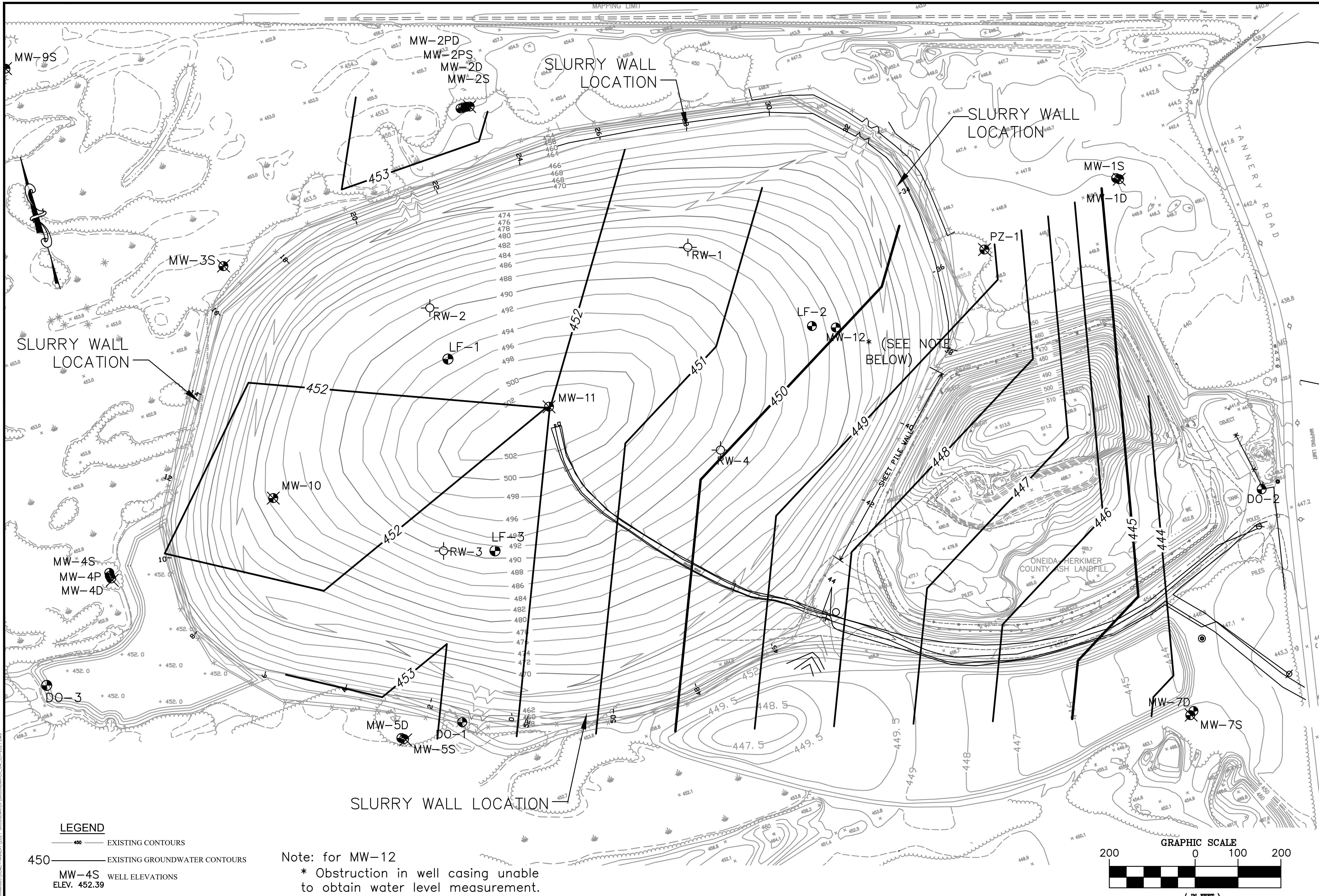
Hour Meters

	12/30/2020	3/25/2021	6/2/2021	9/16/2021	12/21/2021	12/30/2020 - 12/21/2021
RW-1	19,686.5	19,686.5	19,686.5	19,686.5	19,686.5	0
RW-2	44,284.6	46,306.5	47,623.5	47,792.6	47,792.6	3,508.0
RW-3	9,344.7	10,566.7	10,858.3	12,290.9	13,067.1	3,722.4
RW-4	28,401.5	28,401.5	28,401.5	28,401.5	28,401.5	0

TABLE 4
CITY OF ROME, TANNERY ROAD LANDFILL
HISTORICAL LEACHATE GALLONS PUMPED

YEAR	RW-1	RW-2	RW-3	RW-4	TOTAL
1998 (To 12/18/98)	998,300	1,403,300	366,300	328,900	3,096,800
1999 (12/18/98 to 12/20/99	822,193	1,334,300	318,500	141,000	2,615,993
2000 (12/20/99 to1/12/01	724,800	1,351,300	223,200	0	2,299,300
2001 (1/12/01 to 1/16/02)	596,400	1,179,900	297,500	0	2,073,800
2002 (1/16/02 to 1/9/03)	515,900	1,025,600	414,400	299,300	2,255,200
2003 (1/9/03 to 1/29/04)	487,500	1,040,800	632,900	1,497,400	3,658,600
2004 (1/29/04 to 1/20/05)	428,200	1,016,100	384,100	1,004,500	2,832,900
2005 (1/20/05 to (1/17/06)	-28,000	522,300	381,400	622,600	1,526,300
2006 (1/17/06 to (1/19/07)	0	1,132,116	474,600	0	1,606,716
2007 (1/19/07 to (1/23/2008)	-1,200	1,634,700	488,000	0	2,122,700
2008 (1/23/2008 to 1/23/2009)	0	1,162,600	594,500	0	1,757,100
2009 (1/23/2009 to 1/21/2010)	0	1,776,800	522,700	0	2,299,500
2010 (1/21/2010 to 1/31/2011)	0	418,700	454,700	0	873,400
2011 (1/31/2011 to 12/22/2011)	0	2,162,500	356,500	0	2,519,000
2012 (12/22/2011 to 12/06/2012	0	1,211,900	361,100	0	1,573,000
2013 (12/06/2012 to 12/19/2013	0	654,700	331,800	0	986,500
2014 (12/19/2013 to 12/4/2014)	0	384,400	459,700	0	844,100
2015 (12/4/2014 to 12/9/2015)	0	786,300	696,600	0	1,482,900
2016 (12/9/2015 to 12/21/2016)	0	1,931,900	294,000	0	2,225,900
2017 (12/21/2016 to 12/27/2017)	0	653,000	196,000	0	849,000
2018 (12/27/2017 to12/11/2018)	0	1,157,400	900	0	1,158,300
2019 (12/11/2018 to 12/11/2019)	0	1,105,399	31,700	0	1,137,099
2020 (12/11/2019 to 12/30/2020)	0	0	64,200	0	64,200
2021 (12/30/2020 to 12/21/2021)	0	0	281,400	0	281,400
TOTAL	4,573,293	25,046,015	8,626,700	3,893,700	42,139,708

FIGURES



DATE: 1/3/2022
DRAWN BY: JQE
SCALE: AS SHOWN
REVIEWED BY: EF
PROJECT NO.: 18-1497
FILE:

DELAWARE ENGINEERING, D.P.C.
CIVIL AND ENVIRONMENTAL ENGINEERING
28 MADISON AVENUE EXTENSION, ALBANY, NY 12203 - 518.452.1290
55 SOUTH MAIN STREET, ONEONTA, NY 13820 - 607.432.8073
6 TOWNSEND STREET, WALTON, NY 13856 - 607.865.9235
16 EAST MARKET STREET, REDHOOK, NY 12571 - 518.452.1290

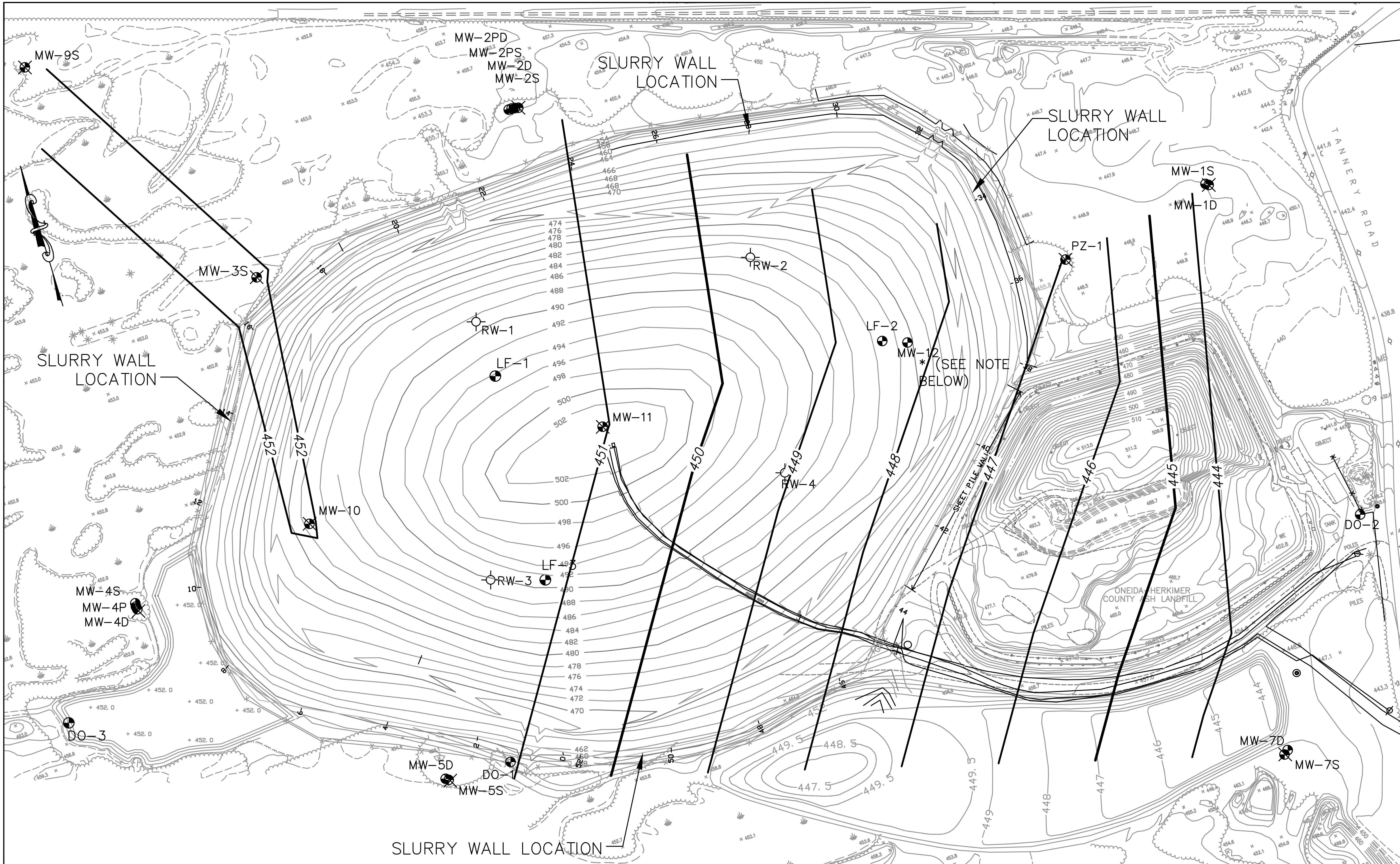
REVISIONS

NO.	DATE	DESCRIPTION

TANNERY ROAD LANDFILL
CITY OF ROME, NEW YORK

GROUNDWATER CONTOUR MAP SHALLOW OVERBURDEN DATED: MARCH 2021 GROUNDWATER TABLE

SHEET: 1



LEGEND

450 EXISTING CONTOURS

450 EXISTING GROUNDWATER CONTOURS

MW-4S ELEV. 452.39 WELL ELEVATIONS

Note: for MW-12
* Obstruction in well casing unable to obtain water level measurement.

GRAPHIC SCALE

200 0 100 200

(IN FEET)

DATE: 1/3/2022
DRAWN BY: JQE
SCALE: AS SHOWN
REVIEWED BY: EF
PROJECT NO.: 18-1497
FILE:

DELAWARE ENGINEERING, D.P.C.
CIVIL AND ENVIRONMENTAL ENGINEERING
28 MADISON AVENUE EXTENSION, ALBANY, NY 12203 - 518.452.1290
55 SOUTH MAIN STREET, ONEONTA, NY 13820 - 607.432.8073
6 TOWNSEND STREET, WALTON, NY 13856 - 607.865.9235
16 EAST MARKET STREET, REDHOOK, NY 12571 - 518.452.1290

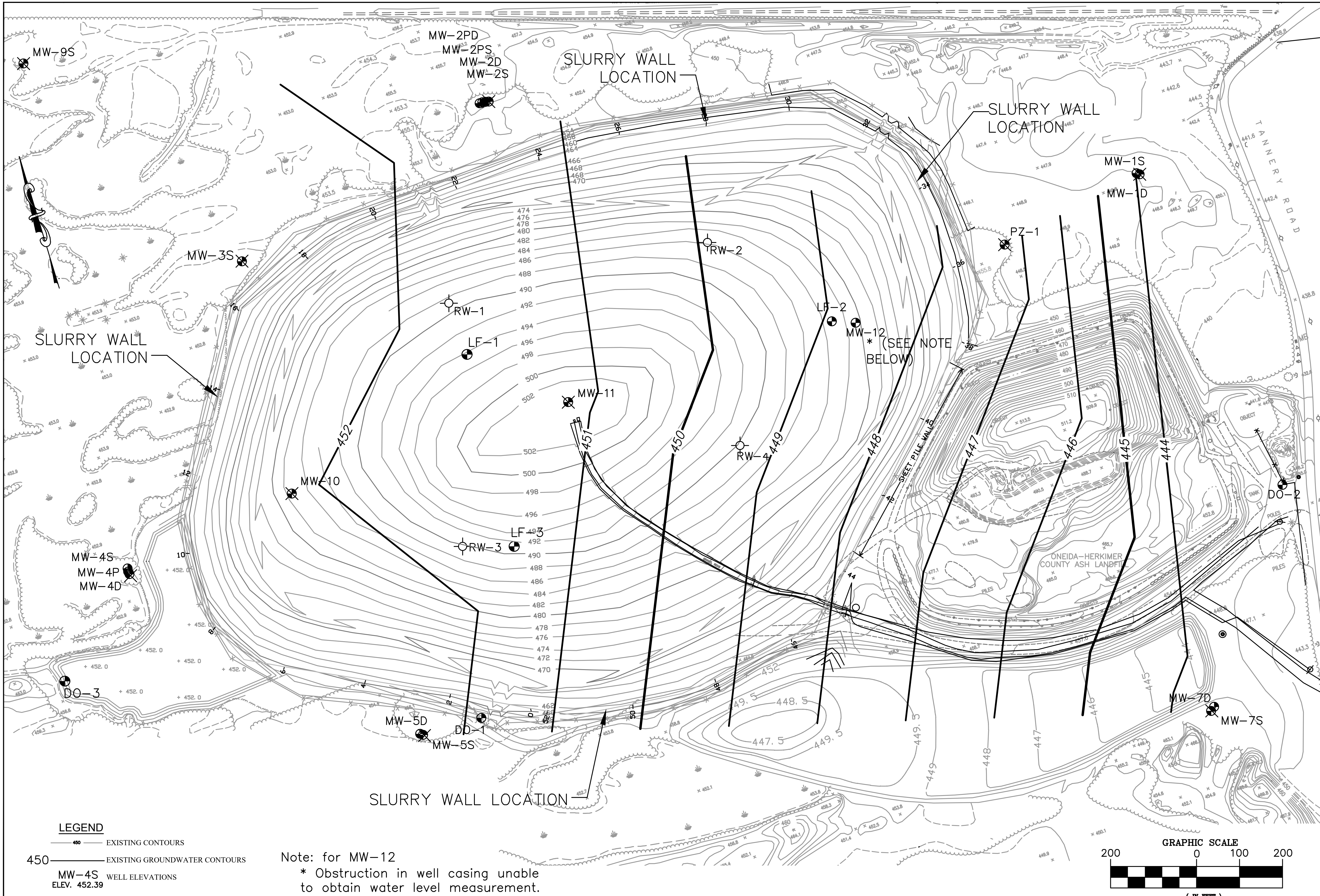
REVISIONS

NO.	DATE	DESCRIPTION

TANNERY ROAD LANDFILL
CITY OF ROME, NEW YORK

GROUNDWATER CONTOUR MAP SHALLOW OVERBURDEN DATED: JUNE 2021 GROUNDWATER TABLE

SHEET:
1



DATE:	1/3/2022
DRAWN BY:	JOE
SCALE:	AS SHOWN
REVIEWED BY:	EF
PROJECT NO.:	18-1497
FILE:	

DELAWARE ENGINEERING, D.P.C.
CIVIL AND ENVIRONMENTAL ENGINEERING
28 MADISON AVENUE EXTENSION, ALBANY, NY 12203 - 518.452.1290
55 SOUTH MAIN STREET, ONEONTA, NY 13820 - 607.432.8073
6 TOWNSEND STREET, WALTON, NY 13856 - 607.865.9235
16 EAST MARKET STREET, REDHOOK, NY 12571 - 518.452.1290

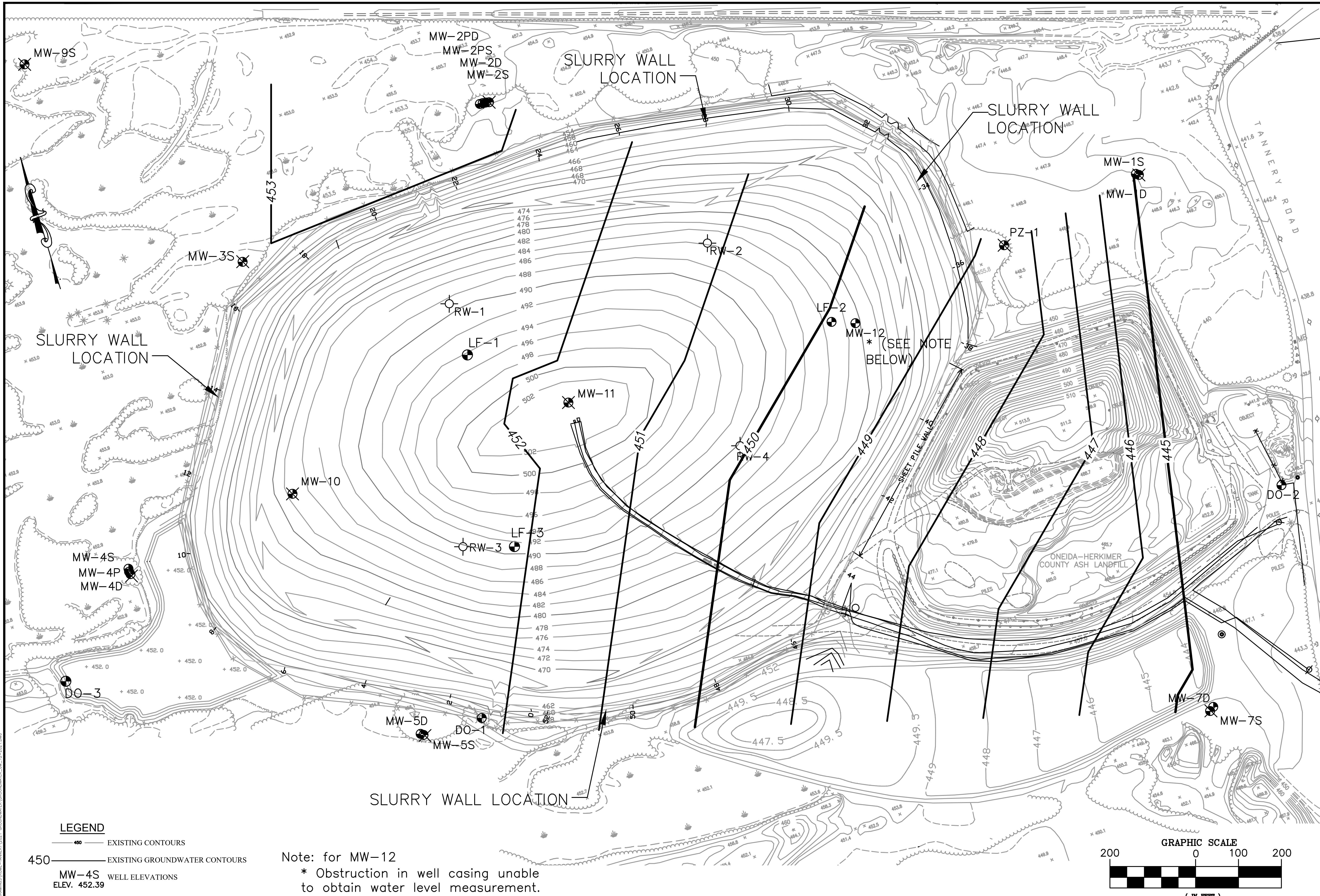
REVISIONS

NO.	DATE	DESCRIPTION

TANNERY ROAD LANDFILL
CITY OF ROME, NEW YORK

GROUNDWATER CONTOUR MAP SHALLOW OVERBURDEN DATED: SEPTEMBER 2021 GROUNDWATER TABLE

SHEET: 1



DATE: 1/3/2022
DRAWN BY: JOE
SCALE: AS SHOWN
REVIEWED BY: EF
PROJECT NO.: 18-1497
FILE:

DELAWARE ENGINEERING, D.P.C.
CIVIL AND ENVIRONMENTAL ENGINEERING

28 MADISON AVENUE EXTENSION, ALBANY, NY 12203 - 518.452.1290
55 SOUTH MAIN STREET, ONEONTA, NY 13820 - 607.432.8073
6 TOWNSEND STREET, WALTON, NY 13856 - 607.865.9235
16 EAST MARKET STREET, REDHOOK, NY 12571 - 518.452.1290

REVISIONS		
NO.	DATE	DESCRIPTION

TANNERY ROAD LANDFILL
CITY OF ROME, NEW YORK

GROUNDWATER CONTOUR MAP SHALLOW OVERBURDEN DATED: DECEMBER 2021 GROUNDWATER TABLE

SHEET: 1

Appendix A

Historical Analytical Data Summary Tables

City of Rome
Tannery Road Landfill
Monitoring Well MW-1S Ground Water Analtyical Data

Date	NYSDEC Ground Water Standard	03/01/99	06/01/99	09/01/99	12/01/99	03/01/00	06/01/00	09/01/00	12/01/00	03/01/01	06/01/01	09/01/01	12/01/01	03/28/02	06/17/02	09/24/02	12/18/02	03/12/03	06/25/03	09/17/03	12/16/2003	03/23/04	06/22/04	09/28/04	12/16/04	03/22/05
Field Parameter																										
Conductivity (μmhos/cm)	NS	31	103	398	89	39	39	31	23	23	34	62	37	75	67	190	58	376	21	180	20	24	35	44	73	51
pH (s.u.)	6.5 - 8.5	8.64	**5.97**	**6.37**	7	**5.85**	7.88	**6.45**	**5.27**	**6.18**	**4.95**	**5.89**	**6.23**	7.7	6.5	7.42		7.5	**4.9**	**6.24**	6.5	**5.22**	**5.11**	**5.3**	**6.2**	6.66
Redox	NS																									
Temperature (deg C)	NS	3.2	13.3	15.2	5.9	4.2	13	15.3		3.9	14.7	14.8	6.7	6	12.5	13.7	5.3	7.2	13	13.6	6	4.2	11.5	15	7	4.3
Turbidity (NTU)	5	**785**	**925**	**560**	**140**	**222**	**161**	**527**	**195**	**316**	**186**	**88**	**90**	**145**	**68**	**126**	**8**	**65**	**556**	**52**	**50**	**113**	**73**	**29**	**140**	**124**
Part 360 Leachate Indicator Parameters																										
Ammonia-Nitrogen (mg/L)	2	<0.5	<0.5	**2**	<0.3	<0.3	<0.030	<0.030	<0.030	0.073	<0.030	0.089	<0.030	<0.030	<0.030	1.1	<0.030	0.14	<0.03	0.38	<0.03	<0.030	0.059	0.14	<0.03	0.09
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	8	<4.0	<2.0	2	<2.0	30	<2.0	<4.0		<4.0	<4.0	<4.0	<4.0	4.6	12	<4.0	8.6	<4	<4.0	<4	<4.0	<4	<4	<4	<4.0
Bromide (mg/L)	2	<0.2	<2.0	<2.0	<2.0	<2.0	**2.5**	<0.010	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.12	<0.100	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	52	100	25	14	12	6.7	96	19	36	26	34	14	24	45	66	9.9	<1.0	33	25	35	18	27	7.9	9.7	22
Chloride (mg/L)	250	<1.0	31	28	3.7	2.3	**450**	3.3	2.5	2.9	2.4	3.8	2.5	2.7	2.7	6.4	2.6	36	3.8	8.2	2.5	3.4	3.3	2.5	2.7	2.1
Color (Pt-Co)	15		46					**30**					**50**	**20**					8					**180**		
Nitrate-Nitrogen (mg/L)	10	<0.2	<0.2	<0.2	0.4	0.3	0.18	0.1	<0.100	0.15	0.15	0.16	<0.100	0.15	<0.100	0.13	0.14	<0.1	0.15	<0.1	<0.1	0.16	0.17	0.14	<0.1	<0.1
Sulfate (mg/L)	250	5	10	94	9.8	7.7	4.7	9.7	6.9	6.7	6.8	17	6.2	7	6	13	6.2	<1.0	7.9	15	6.9	7.4	8.2	7.1	6.6	7.3
Total Alkalinity (mg/L)	NS	<10.0	37	84	7.8	9	1.9	15	1.2	1.4	2	12	1.9	<1.0	4	64	4	170	4	37	<1	<1.000	6	8	4	4
Total Cyanide (mg/L)	0.2		<0.010					<0.010					<0.010	<0.010					<0.01					0.01		
Total Dissolved Solids (mg/L)	500	140	140	260	39	30	**1,900**	26	<4.0	14	56	190	<4.0	170	26	120	42	280	30	120	34	32	20	52	14	14
Total Hardness (mg/L)	NS	19	120	136	14	23	8	16	7.7	10	8.6	20	9.8	6.6	7.3	60	7.6	210	12	58	<7	7.8	3.7	5.4	<7	<7.0
Total Kjeldahl Nitrogen (mg/L)	NS	<0.5	2.4	1.3	<0.3	0.6	0.3	1.3	0.39	0.62	0.62	0.6	0.23	0.13	0.42	1.7	0.25	<0.1	0.27	0.58	0.34	0.53	0.69	0.28	0.2	0.32
Total Organic Carbon (mg/L)	NS	14	34	7	7.8	15.3	4.4	29	5.5	16	11	13	11.3	8.3	14	26	10	5.5	5.6	10	14	4.1	8.6	3	3.2	5.5
Total Phenols (mg/L)	0.001	<0.005	<0.005	<0.001	**0.004**	**0.001**	<0.002	**0.007**	**0.003**	<0.002	<0.002	<0.002	<0.002	<0.002	**0.012**	**0.003**	<0.002	**0.0046**	<0.002	<0.002	**0.0034**	<0.002	<0.002	<0.002	<0.002	<0.010
Part 360 Routine Metals																										
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	3.26	29.1	43.2	4.2	6.7	1.5	3.1	1.4	1.9	1.7	5.7	2.2	1	1.3	18	1.4	62	3.4	18	<1	1.5	1.5	2.2	0.73	<1.0
Iron (mg/L)	0.3*	**16.3**	**30.5**	**33.1**	**3.1**	**4.3**	**1.9**	**17**	**6.3**	**8.8**	**5.6**	**7.8**	**3.2**	**4.5**	**4.7**	**50**	**7.2**	**2**	**2.8**	**8.1**	**2.7**	**2.4**	**2.3**	**1.1**	0.16	**4.2**
Lead (mg/L)	0.025	0.012	**0.029**	0.01	<0.005	<0.005	<0.010	0.011	<0.010	<0.010	<0.010	<0.010	<1.0	<0.010	<0.010	0.02	<0.010	<0.01	<0.01	0.012	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	2.7	11.2	6.8	0.94	1.5	<1.0	2	1	1.3	1	1.5	<1.0	<1.0	<1.0	3.9	<1.0	14	<1.0	3.3	<1	<1.0	<1	<1	0.25	<1.0
Manganese (mg/L)	0.3*	0.257	**0.759**	**1.2**	0.17	0.12	0.04	0.23	0.075	0.11	0.093	0.19	0.07	0.11	0.069	0.74	0.045	0.23	0.06	**0.45**	0.031	0.049	0.1	0.061	0.014	0.049
Potassium (mg/L)	NS	1.99	5.39	2.9	0.7	3.3	<1.0	1.2	<1.0	1.1	<1.0	1.2	<1.0	<1.0	<1.0	3.1	<1.0	1.2	<1.0	2.7	<1	<1.0	<1	<1	0.27	<1.0
Sodium (mg/L)	20	1.2	12.2	9.9	1.8	8.8	1.6	1.2	<1.0	1.2	<1.0	7.5	1.2	2.8	<1.0	4.9	<1.0	12	1.7	12	<1	1.1	1.2	1.2	0.74	<1.0
Part 360 Additional Baseline Metals																										
Aluminum (mg/L)	NS		32					25					5	8.9					3					2.1		
Antimony (mg/L)	0.003		<0.015					**0.012**					<0.010	<0.010					<0.01					<0.01		
Arsenic (mg/L)	0.025		0.018					<0.010					<0.010	<0.010					0.013					<0.01		
Barium (mg/L)	1		0.431					<0.2					<0.2	<0.2					<0.2					<0.2		
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.010					<0.010	<0.010					<0.01					<0.01		
Boron (mg/L)	1		<0.100				<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5		<0.01		
Chromium (mg/L)	0.05		0.047					0.01					<0.010	<0.010					<0.01					<0.01		
Chromium, Hexavalent (mg/L)	0.05		<0.010					<0.010					<0.010	<0.010					<0.01					<0.01		
Cobalt (mg/L)	NS		<0.020					<0.010					<0.010	<0.010					<0.01					<0.01		
Copper (mg/L)	0.2		0.041					0.022					<0.010	<0.010					0.012					<0.01		
Mercury (mg/L)	0.0007		<0.0002					0.00053					<0.0002	0.000300					<0.0002					<0.0002		
Nickel (mg/L)	0.1		0.039					0.012					<0.010	<0.010					<0.01					<0.01		
Selenium (mg/L)	0.01		<0.005					<0.010					<0.010	<0.010					<0.01					<0.01		
Silver (mg/L)	0.05		<0.010					<0.010					<0.010	<0.010					<0.01					<0.01		
Thallium (mg/L)	0.0005 (GV)		<0.010					<0.010					<0.010	<0.010					<0.01					<0.01		
Vanadium (mg/L)	NS		0.031					0.012					<0.010	<0.010					<0.01					<0.01		
Zinc (mg/L)	2		0.149					0.1					0.04	0.033					0.094					0.022		
Part 360 Volatile Organics																										
1,1,1,2-Tetrachloroethane (μg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
1,1,1-Trichloroethane (μg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,1,2,2-Tetrachloroethane (μg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,1,2-Trichloroethane (μg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,1-Dichloroethane (μg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,1-Dichloroethene (μg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,2,3-Trichloropropane (μg/L)	0.04												<5.0	<5.0					<5					<1		
1,2-Dibromo-3-chloropropane (μg/L)	0.04		<10.0					<5.0					<5.0	<5.0					<5					<1		

City of Rome
Tannery Road Landfill
Monitoring Well MW-1S Ground Water Analtyical Data

Date	NYSDEC Ground Water Standard	03/01/99	06/01/99	09/01/99	12/01/99	03/01/00	06/01/00	09/01/00	12/01/00	03/01/01	06/01/01	09/01/01	12/01/01	03/28/02	06/17/02	09/24/02	12/18/02	03/12/03	06/25/03	09/17/03	12/16/2003	03/23/04	06/22/04	09/28/04	12/16/04	03/22/05
1,2-Dibromoethane (EDB) (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
1,2-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1		
1,2-Dichloroethane (µg/L)	0.6		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,2-Dichloropropane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,4-Dichlorobenzene (µg/L)	3		<5.0					<10.0					<10.0	<10.0					<5					<1		
2-Butanone (MEK) (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		
2-Hexanone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		
4-Methyl 2-pentanone (µg/L)	NS		<10.0					<10.0					<20.0	<20.0				<10	<10					<10		
Acetone (µg/L)	50 (GV)		<10.0					<20.0					<5.0	<5.0				11	<10					<10		
Acrylonitrile (µg/L)	5		<100					<5.0					<5.0	<5.0					<20					<5		
Benzene (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Bromochloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
Bromodichloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Bromoform (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Bromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Carbon disulfide (µg/L)	60 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Carbon tetrachloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chlorobenzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chloroform (µg/L)	7		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
cis-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Dibromochloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Dibromomethane (µg/L)	5		<5.0					<20.0					<20.0	<10.0					<5					<1		
Ethyl benzene (µg/L)	5		<5.0					<10.0					<10.0	<10.0				<5	<5					<1		
Iodomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<10					<10		
Methylene Chloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<10	<10					<10		
Styrene (µg/L)	5							<5					<5	<5				<5	<5					<1		
Tetrachloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Toluene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
trans-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<50.0					<50.0	<10.0				<5	<5					<1		
trans-1,4-Dichloro-2-butene (µg/L)	5							<50					<50	<10					<10					<10		
Trichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Trichlorofluoromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
Vinyl Acetate (µg/L)	NS		<50.0					<20.0					<20.0	<20.0					<20					<5		
Vinyl Chloride (µg/L)	2		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Xylenes (Total) (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,2-Dichloroethene - Total	5																	<5								

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Monitoring Well MW-1S Ground Water Analtyical Data

Date	NYSDEC Ground Water Standard	06/28/05	09/27/05	12/06/05	03/28/06	06/28/06	09/26/06	12/13/06	03/15/07	06/21/07	09/25/07	12/17/07	3/27/2008	6/19/2008	9/23/2008	12/15/20008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010	12/21/2010	3/29/2011
Field Parameter																									
Conductivity (µmhos/cm)	NS	71	130	40	20	230	47	20	19	23	62	18	18	18	44	152	18	28	76	17	25	14	43	19	25
pH (s.u.)	6.5 - 8.5	**6.2**	6.8	7.4	**5.9**	**6.2**	7.07	**5.64**	**5.02**	**5.44**	**5.7**	**5.34**	**5.43**	**5.23**	**6.26**	6.84	**5.58**	**5.16**	**5.75**	6.75	**5.98**	6.66	6.74	**5.69**	7.05
Redox	NS									63															
Temperature (deg C)	NS		12	6	5	16	13.6	8.6	3.7	12.5	12.5	5.6	4.6	11.6	13.7	5.7	4.3	12	12	7	5.3	12.1	13.6	5.8	3.7
Turbidity (NTU)	5	**120**	**5**	**68**	**218**	3	-	**65**	0	**119**	**116**	**57**	**30**	**83**	4	4	**50**	**18**	**91**	**10**	**59**	**16**	**88**	0	**87**
Part 360 Leachate Indicator Parameters																									
Ammonia-Nitrogen (mg/L)	2	<0.03	1.3	<0.03	0.046	<0.030	0.27	0.054	<0.03	0.85	0.3	<0.03	0.085	<0.03	0.55	<0.03	<0.03	0.044	0.38	<0.030	<0.1	<0.1	0.2	<0.1	<0.1
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4.0	<4.0	<4	<4	<4.0	<4	<4	<4	<4	6	<4	<5	<4	<4	<4	<4	<4	<4.0	<4.0	<2.0	<2.0	<4.0	<4.0	<4.0
Bromide (mg/L)	2	<0.1	0.14	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<01	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<1.0	<1.0	<1.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	27	30	15	12	<5.0	23	11	9.6	11	31	14	<5	<5	<5	25	<5	<5	16	<5.0	21.4	<5.0	22	13	9
Chloride (mg/L)	250	2.7	4.1	<1.0	<0.01	2.3	4.5	3.2	2.4	3.4	4.4	3.4	<2	2.9	2.5	2.8	2.9	2.6	2.7	2.5	1.2	<1.0	<1.0	<1.0	<1.0
Color (Pt-Co)	15			**160**	**100**					**80**					**30**					<5	<5.0				<5.0
Nitrate-Nitrogen (mg/L)	10	0.12	0.18	<0.1	<0.1	<0.10	0.11	<0.1	<0.1	<0.1	0.11	<0.1	0.048	0.15	0.22	<0.1	<0.1	<0.1	0.25	<0.1	<0.020	<0.020	0.08	<0.02	0.03
Sulfate (mg/L)	250	6.8	6.4	6.6	9	6.1	8.2	7.5	7.8	8.8	4.9	6.3	5.5	7.2	6.7	5.8	<1	6.2	6.5	6	4.6	4.45	6.12	6.08	5.54
Total Alkalinity (mg/L)	NS	3	48	1	2	2	46	4	2	4	18	<1	3	4	13	2	2	<3	19	<3.0	2	3	12	3	4
Total Cyanide (mg/L)	0.2			<0.01	<0.01					0.011					<0.01					<0.01	<0.010				<0.01
Total Dissolved Solids (mg/L)	500	50	88	36	20	20	54	34	12	52	74	12	<10	32	90	20	20	<10	40	<10	20	107	30	28	45
Total Hardness (mg/L)	NS	7	7	6.3	<7	<7.0	26	<7	<7	33	25	<7	<7	<7	12	<7	<7	<7	26	<7.0	3	<5.0	16	6	6
Total Kjeldahl Nitrogen (mg/L)	NS	0.66	0.66	0.27	0.17	0.37	0.73	0.32	0.2	1.1	1	0.35	0.18	2.4	1.2	0.4	0.2	0.21	1.1	0.35	<1.0	<1.0	<1.0	<1.0	<1.0
Total Organic Carbon (mg/L)	NS	8.3	11	3.4	6.3	3.8	7.8	3.1	2.4	3.1	11	4.8	2.5	4.2	6.5	2	3.6	2.6	18	3.2	5.7	3.7	9.6	4	3.6
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.05	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	**0.0039**	<0.003	<0.003	<0.003	**0.0043**	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002
Part 360 Routine Metals																									
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	0.00027	<0.005	<0.005	<0.005	0.00048
Calcium (mg/L)	NS	2.8	15	1.7	1.5	<1.0	8.1	1.2	<1	3.5	8.1	1.3	1.2	1.4	5	<1	1.1	70	8.1	<1.0	0.572	0.572	5.12	1.9	1.7
Iron (mg/L)	0.3*	**5.9**	**13**	**3.2**	**1.9**	**1.9**	**5.1**	**0.54**	**2.2**	**2**	**17**	**3.3**	**2.5**	**1.7**	**3.6**	**1.5**	**1.3**	**41**	**5.7**	**1.7**	**1.91**	**2.43**	**7.35**	**1.25**	**0.819**
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.017	<0.010	<0.01	<0.002	<0.005	<0.005	<0.005	<0.0019
Magnesium (mg/L)	35 (GV)	<1.0	2.6	<1	<1	<1.0	1.3	<1	<1	<1	1.1	<1	<1	<1	<1	<1	<1	16	1.4	<1.0	0.351	0.38	0.717	0.333	0.326
Manganese (mg/L)	0.3*	0.1	**0.54**	0.046	<0.01	0.033	<0.01	0.063	0.041	0.14	**0.62**	0.074	0.06	0.058	**0.36**	0.018	0.042	**0.73**	**0.31**	0.02	0.02	0.025	0.221	0.032	0.0229
Potassium (mg/L)	NS	<1.0	2.9	<1	<1	<1.0	1.6	<1	<1	1.2	1.2	<1	<1	<1	0.83	6	<1	28	<1.0	<1.0	0.179	0.242	0.591	0.167	0.197
Sodium (mg/L)	20	<1.0	2.5	1	1.1	1.3	<1	<1	1	2.5	<1	<1	<1	<1	<1	1.1	<1	**31**	<1.0	<1.0	0.431	0.432	0.518	0.46	0.665
Part 360 Additional Baseline Metals																									
Aluminum (mg/L)	NS			2.8	3.3					1.6					2.3					1.3	1.87				2.4
Antimony (mg/L)	0.003			<0.01	<0.01					<0.01					<0.01					<0.01	<0.020				<0.0196
Arsenic (mg/L)	0.025			<0.01	<0.01					<0.01					<0.01					<0.01	<0.002				0.0025
Barium (mg/L)	1			<0.1	<0.2					<0.2					<0.2					<0.1	0.007				0.0075
Beryllium (mg/L)	0.003 (GV)			<0.01	<0.01					<0.01					<0.01					<0.01	<0.00014				0.00017
Boron (mg/L)	1			<0.5	<0.5					<0.5					<0.5					<0.5	0.002				0.0049
Chromium (mg/L)	0.05			<0.01	<0.01					<0.01					<0.01					<0.01	<0.005				0.0063
Chromium, Hexavalent (mg/L)	0.05			<0.01	**3.3**					<0.01					<0.01					<0.01	<0.020				<0.020
Cobalt (mg/L)	NS			<0.01	<0.01					<0.01					<0.01					<0.01	0.001				0.0012
Copper (mg/L)	0.2			<0.01	<0.01					<0.04					<0.01					<0.01	<0.003				0.0028
Mercury (mg/L)	0.0007			0.00042	<0.0002					<0.0002					<0.0002					<0.0002	<0.00007				<0.00006
Nickel (mg/L)	0.1			<0.01	<0.01					<0.01					<0.01					<0.01	0.001				0.0011
Selenium (mg/L)	0.01			<0.01	<0.01					<0.01					<0.01					<0.01	<0.003				0.004
Silver (mg/L)	0.05			<0.01	<0.01					0.038					<0.01					<0.01	<0.003				<0.0028
Thallium (mg/L)	0.0005 (GV)			**0.02**	**0.024**					<0.01					<0.01					<0.02	**0.004**				**0.0062**
Vanadium (mg/L)	NS			<0.01	<0.01					<0.01					<0.01					<0.01	<0.005				0.0077
Zinc (mg/L)	2			0.027	0.021					<0.43					0.041					0.024	0.01				0.0253
Part 360 Volatile Organics																									
1,1,1,2-Tetrachloroethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
1,1,1-Trichloroethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
1,1,2,2-Tetrachloroethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
1,1,2-Trichloroethane (µg/L)	1			<1	<1					<1.0					<1					<1	<5.0				<5.0
1,1-Dichloroethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
1,1-Dichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
1,2,3-Trichloropropane (µg/L)	0.04			<1	<1					<1.0					<1					<1	<5.0				<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04			<1	<1					<1.0					<1					<1	<10				<10

Date	NYSDEC Ground Water Standard	06/28/05	09/27/05	12/06/05	03/28/06	06/28/06	09/26/06	12/13/06	03/15/07	06/21/07	09/25/07	12/17/07	3/27/2008	6/19/2008	9/23/2008	12/15/20008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010	12/21/2010	3/29/2011
1,2-Dibromoethane (EDB) (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
1,2-Dichlorobenzene (µg/L)	3			<1	<1					<1.0					<1					<1	<5.0				<5.0
1,2-Dichloroethane (µg/L)	0.6			<1	<1					<1.0					<1					<1	<5.0				<5.0
1,2-Dichloropropane (µg/L)	1			<1	<1					<1.0					<1					<1	<5.0				<5.0
1,4-Dichlorobenzene (µg/L)	3			<1	<1					<1.0					<1					<1	<5.0				<5.0
2-Butanone (MEK) (µg/L)	50 (GV)			<5	<5					<5.0					<10					<10	<10				<10
2-Hexanone (µg/L)	50 (GV)			<5	<5					<5.0					<10					<10	<10				<10
4-Methyl 2-pentanone (µg/L)	NS			<5	<5					<5.0					<10					<10	<10				<10
Acetone (µg/L)	50 (GV)			<10	<5					<5.0					<10					<10	<10				<10
Acrylonitrile (µg/L)	5			<20	<20					<20					<20					<20	<25				<25
Benzene (µg/L)	1			<1	<1					<1.0					<1					<1	<5.0				<5.0
Bromochloromethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
Bromodichloromethane (µg/L)	50 (GV)			<1	<1					<1.0					<1					<1	<5.0				<5.0
Bromoform (µg/L)	50 (GV)			<1	<1					<1.0					<1					<1	<5.0				<5.0
Bromomethane (µg/L)	5			<1	<1					<1.0					<1					<1	<10				<10
Carbon disulfide (µg/L)	60 (GV)			<1	<1					<1.0					<1					<1	<5.0				<5.0
Carbon tetrachloride (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
Chlorobenzene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
Chloroethane (µg/L)	5			<1	<1					<1.0					<1					<1	<10				<10
Chloroform (µg/L)	7			<1	<1					<1.0					<1					<1	<5.0				<5.0
Chloromethane (µg/L)	5			<1	<1					<1.0					<1					<1	<10				<10
cis-1,2-Dichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**			<1	<1					<1.0					<1					<1	<5.0				<5.0
Dibromochloromethane (µg/L)	50 (GV)			<1	<1					<1.0					<1					<1	<5.0				<5.0
Dibromomethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
Ethyl benzene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
Iodomethane (µg/L)	5			<5	<5					<5.0					<5					<5	<10				<10
Methylene Chloride (µg/L)	5			<5	<1					<1.0					<1					<1	<5.0				<5.0
Styrene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
Tetrachloroethene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
Toluene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
trans-1,2-Dichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**			<1	<1					<1.0					<1					<1	<5.0				<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5			<5	<5					<5.0					<5					<5	<10				<10
Trichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
Trichlorofluoromethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
Vinyl Acetate (µg/L)	NS			<5	<5					<5.0					<5					<5	<10				<10
Vinyl Chloride (µg/L)	2			<1	<1					<1.0					<1					<1	<10				<10
Xylenes (Total) (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0				<5.0
1,2-Dichloroethene - Total	5																								

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg
4) GV indicates that the value listed is a guidance value rather than a st
5) Values in bold exceeded the applicable NYSDEC ground water stan
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Monitoring Well MW-1S Ground Water Analtyical Data

Date	NYSDEC Ground Water Standard	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021
Field Parameter									
Conductivity (µmhos/cm)	NS	24	20	20	20	20	40	18.9	19
pH (s.u.)	6.5 - 8.5	7.65	**5.9**	**6.1**	6.65	5.1	**6.1**	6.67	**5.41**
Redox	NS				282.4			110	281.3
Temperature (deg C)	NS	12.2	13	7	5.9	12	15	6.6	5
Turbidity (NTU)	5	**87**	**110**	**140**	**130**	180	**260**	**180**	**24.8**
Part 360 Leachate Indicator Parameters									
Ammonia-Nitrogen (mg/L)	2	<0.1	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	<0.1
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4.0	<4.0	<4.0	<4.0	<4.0	2.4	<4.0	<4.0
Bromide (mg/L)	2	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	<5.0	57	38	13	34	46	17	13
Chloride (mg/L)	250	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0
Color (Pt-Co)	15	10	<5.0	5	5	10	**65**	5	8
Nitrate-Nitrogen (mg/L)	10	<0.02	0.03	0.04	<0.04	<0.04	0.05	<0.04	0.06
Sulfate (mg/L)	250	9.17	4.07	6.1	5.84	6.52	4.3	4.55	4.48
Total Alkalinity (mg/L)	NS	2	1	1	2	4	26	3	2
Total Cyanide (mg/L)	0.2	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Dissolved Solids (mg/L)	500	<10.0	<5.0	<5.0	<5.0	55	105	10	<5.0
Total Hardness (mg/L)	NS	3	4	<5.0	<5.0	8	32	<5.0	6
Total Kjeldahl Nitrogen (mg/L)	NS	<1.0	1.4	<1.0	1.7	9	1.4	<1.0	1.7
Total Organic Carbon (mg/L)	NS	4.2	2.4	26	2.3	4.6	15.6	3.2	9.2
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	**0.008**	<0.004
Part 360 Routine Metals									
Cadmium (mg/L)	0.005	<0.00021	0.00023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (mg/L)	NS	0.697	1.13	1.22	1.1	2.4	10.1	1.06	1.63
Iron (mg/L)	0.3*	**1.61**	**1.32**	**1.02**	**0.435**	**0.954**	**2.89**	**0.435**	**1.28**
Lead (mg/L)	0.025	<0.0018	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	35 (GV)	0.366	0.354	0.099	0.289	0.571	1.66	0.333	0.34
Manganese (mg/L)	0.3*	0.0195	0.024	<0.02	<0.02	0.028	0.195	<0.02	0.025
Potassium (mg/L)	NS	0.203	0.263	<0.05	0.13	0.321	1.24	0.1	0.11
Sodium (mg/L)	20	0.448	0.649	0.41	0.865	0.69	1.61	5.43	0.764
Part 360 Additional Baseline Metals									
Aluminum (mg/L)	NS	2.68	10.3	11.4	1.28	4.04	4.23	2.5	2.99
Antimony (mg/L)	0.003	<0.0011	<0.002	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.025	<0.0022	<0.002	<0.005	<0.005	<0.005	0.006	<0.005	<0.005
Barium (mg/L)	1	0.0116	0.015	0.024	<0.01	0.012	0.015	<0.01	<0.01
Beryllium (mg/L)	0.003 (GV)	<0.00016	<0.0001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron (mg/L)	1	0.0045	0.005	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium (mg/L)	0.05	<0.0051	<0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent (mg/L)	0.05	<0.02	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Cobalt (mg/L)	NS	0.0013	0.001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper (mg/L)	0.2	<0.0025	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury (mg/L)	0.0007	<0.0001	<0.15	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (mg/L)	0.1	0.0015	0.0019	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium (mg/L)	0.01	0.0018	<0.003	0.006	<0.005	<0.005	<0.005	<0.005	<0.005
Silver (mg/L)	0.05	<0.0014	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (mg/L)	0.0005 (GV)	**0.0057**	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium (mg/L)	NS	<0.0054	<0.011	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc (mg/L)	2	0.0235	0.026	0.037	0.023	0.059	0.014	0.018	0.029
Part 360 Volatile Organics									
1,1,1,2-Tetrachloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane (µg/L)	0.04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<10	<10	<10	<10	<10	<10	<10	<10

City of Rome
Tannery Road Landfill
Monitoring Well MW-1S Ground Water Analtyical Data

Date	NYSDEC Ground Water Standard	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021
1,2-Dibromoethane (EDB) (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene (µg/L)	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane (µg/L)	0.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene (µg/L)	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone (MEK) (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS	<10	<10	<10	<10	<10	<10	<10	<10
Acetone (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile (µg/L)	5	<25	<25	<25	<25	<25	<25	<25	<25
Benzene (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromochloromethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform (µg/L)	7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromomethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethyl benzene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Iodomethane (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5	<10	<10	<10	<10	<10	<10	<10	<10
Trichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichlorofluoromethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Acetate (µg/L)	NS	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride (µg/L)	2	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes (Total) (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethene - Total	5								

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg
4) GV indicates that the value listed is a guidance value rather than a st
5) Values in bold exceeded the applicable NYSDEC ground water stan
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	**NYSDEC Ground Water Standard**	**3/12/2003**	**6/22/2004**	**9/28/2004**	**12/16/2004**	**3/22/2005**	**6/28/2005**	**9/27/2005**	**12/6/2005**	**3/28/2006**	**6/28/2006**	**9/26/2006**	**12/13/2006**	**3/15/2007**	**6/21/2007**	**9/25/2007**
Field Parameters																
Conductivity (µmhos/cm)	NS	381	270	253	300	235	288	245	270	240	480	353	203	295	221	165
pH (s.u.)	6.5 - 8.5	6.7	6.73	6.98	6.8	7.62	6.96	7.45	6.7	7.3	8	7.8	6.72	7.01	7.32	7.1
Redox	NS														-118	
Temperature (deg C)	NS	6.3	12	13.7	8	7.6		11.5	9	9	12	11.2	10.5	7.5	11	11.8
Turbidity (NTU)	5	**202**	**138**	**125**	**150**	**39**	**100**	**30**	**38**	**48**	**28**	-	**6**	0	**67**	**16**
Dissolved Oxygen (mg/L)	NS														3.58	
Part 360 Leachate Indicator Parameters																
Ammonia-Nitrogen (mg/L)	2	**11**	**7.5**	**2.5**	1.6	**6.1**	**4.6**	**6.5**	**5.3**	**4.5**	**5.4**	**11**	**3.3**	**5.8**	**4.2**	0.8
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<10.0	7.3	7.5	4.7	<4.0	<4.0	4.5	<4	<4	<4.0	5.5	<4	<20	<4	8.4
Bromide (mg/L)	2	<0.1	<0.1	0.12	<0.1	<0.1	0.14	0.14	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	10	43	32	26	29	27	26	13	68	23	31	26	23	24	21
Chloride (mg/L)	250	4.4	4.5	3.8	3.3	4	3.3	4.2	3.9	3.7	3.9	5.2	3.1	3.6	3.6	2.5
Color (Pt-Co)	15			**650**					**100**	**300**					**160**	
Nitrate-Nitrogen (mg/L)	10	0.16	0.15	0.17	1.6	0.15	0.16	0.28	<0.1	<0.1	<0.10	<0.1	<0.1	0.1	0.1	0.55
Sulfate (mg/L)	250	77	38	33	22	30	24	31	32	24	23	37	15	23	18	10
Total Alkalinity (mg/L)	NS	100	92	74	66	88	80	80	84	84	120	130	82	120	120	77
Total Cyanide (mg/L)	0.2			<0.01					<0.01	<0.01					<0.01	
Total Dissolved Solids (mg/L)	500	300	140	160	120	160	140	170	210	150	160	150	150	160	160	130
Total Hardness (mg/L)	NS	130	100	90	69	89	73	80	93	87	110	110	78	97	150	73
Total Kjeldahl Nitrogen (mg/L)	NS	13	8.4	5	1.9	7.2	4.4	6.5	3.3	3.1	4.9	11	4.9	5.8	4.7	1.4
Total Organic Carbon (mg/L)	NS	13	9.1	8	7.9	7.6	2.3	10	8	7.3	8.1	9.4	7.3	8	8.5	7.5
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	<0.002	<0.01	**0.0032**	<0.002	**0.0035**	**0.0023**	<0.002	<0.002	<0.05	<0.002	<0.003	<0.003
Part 360 Routine Metals																
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	44	34	29	23	30	24	26	32	29	37	38	26	33	27	24
Iron (mg/L)	0.3*	**21**	**12**	**11**	**3.1**	**13**	**7.4**	**8.8**	**11**	9.9	**14**	**10**	**8.1**	**9.7**	**9.1**	**2.1**
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.01	<0.01	0.022	0.018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	6.3	4.1	3.9	3	3.6	3.2	3.8	3.3	3.2	4.4	4.4	2.9	3.8	3.4	3.3
Manganese (mg/L)	0.3*	**1.5**	**1**	**1.1**	**0.97**	**0.96**	**0.87**	**0.93**	**0.89**	0.84	**1**	<0.01	**0.7**	**0.87**	**0.86**	**0.75**
Potassium (mg/L)	NS	21	13	17	12	12	11	12	11	11	12	15	6.6	12	11	7.6
Sodium (mg/L)	20	5.7	2.4	3	2.7	1.4	2.2	2.2	2.6	2.5	3.7	4.5	1.5	2.7	2.7	1.7
Part 360 Additional Baseline Metals																
Aluminum (mg/L)	NS			0.37					0.26	0.25					0.23	
Antimony (mg/L)	0.003			<0.01					<0.01	<0.01					<0.01	
Arsenic (mg/L)	0.025			0.011					<0.01	<0.01					<0.01	
Barium (mg/L)	1			0.23					0.23	0.2					<0.2	
Beryllium (mg/L)	0.003 (GV)			<0.01					<0.01	<0.01					<0.01	
Boron (mg/L)	1			0.089					<0.5	<0.5					<0.5	
Chromium (mg/L)	0.05			<0.01					<0.01	<0.01					<0.01	
Chromium, Hexavalent (mg/L)	0.05			<0.01					<0.01	<0.01					<0.01	
Cobalt (mg/L)	NS			<0.01					<0.01	<0.01					<0.01	
Copper (mg/L)	0.2			<0.01					<0.01	<0.01					<0.04	
Mercury (mg/L)	0.0007			<0.0002					<0.0002	<0.0002					<0.0002	
Nickel (mg/L)	0.1			<0.01					<0.01	<0.01					<0.01	
Selenium (mg/L)	0.01			<0.01					<0.01	<0.01					<0.01	
Silver (mg/L)	0.05			<0.01					<0.01	<0.01					0.049	
Thallium (mg/L)	0.0005 (GV)			<0.01					<0.01	0.013					<0.01	
Vanadium (mg/L)	NS			0.012					<0.01	<0.01					<0.01	
Zinc (mg/L)	2			0.017					<0.01	0.021					0.023	
Part 360 Volatile Organics																
1,1,1,2-Tetrachloroethane (µg/L)	5	<5		<1					<1	<1					<1.0	
1,1,1-Trichloroethane (µg/L)	5	<5		<1					<1	<1					<1.0	
1,1,2,2-Tetrachloroethane (µg/L)	5	<5		<1					<1	<1					<1.0	
1,1,2-Trichloroethane (µg/L)	1	<5		<1					<1	<1					<1.0	

City of Rome
Tannery Road Landfill
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	3/12/2003	6/22/2004	9/28/2004	12/16/2004	3/22/2005	6/28/2005	9/27/2005	12/6/2005	3/28/2006	6/28/2006	9/26/2006	12/13/2006	3/15/2007	6/21/2007	9/25/2007
1,1-Dichloroethane (µg/L)	5	<5		<1					<1	<1					<1.0	
1,1-Dichloroethene (µg/L)	5	<5		<1					<1	<1					<1.0	
1,2,3-Trichloropropane (µg/L)	0.04	<5		<1					<1	<1					<1.0	
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<5		<1					<1	<1					<1.0	
1,2-Dibromoethane (EDB) (µg/L)	5	<5		<1					<1	<1					<1.0	
1,2-Dichlorobenzene (µg/L)	3	<5		<1					<1	<1					<1.0	
1,2-Dichloroethane (µg/L)	0.6	<5		<1					<1	<1					<1.0	
1,2-Dichloropropane (µg/L)	1	<5		<1					<1	<1					<1.0	
1,4-Dichlorobenzene (µg/L)	3	<5		<1					<1	<1					<1.0	
2-Butanone (MEK) (µg/L)	50 (GV)	<10		<10					<5	<5					<5.0	
2-Hexanone (µg/L)	50 (GV)	<10		<10					<5	<5					<5.0	
4-Methyl 2-pentanone (µg/L)	NS	<10		<10					<5	<5					<5.0	
Acetone (µg/L)	50 (GV)	<10		<10					<10	<5					<5.0	
Acrylonitrile (µg/L)	5	<5		<5					<20	<20					<20	
Benzene (µg/L)	1	<5		<1					<1	<1					<1.0	
Bromochloromethane (µg/L)	5	<5		<1					<1	<1					<1.0	
Bromodichloromethane (µg/L)	50 (GV)	<5		<1					<1	<1					<1.0	
Bromoform (µg/L)	50 (GV)	<5		<1					<1	<1					<1.0	
Bromomethane (µg/L)	5	<5		<1					<1	<1					<1.0	
Carbon disulfide (µg/L)	60 (GV)	<5		<1					<1	<1					<1.0	
Carbon tetrachloride (µg/L)	5	<5		<1					<1	<1					<1.0	
Chlorobenzene (µg/L)	5	<5		<1					<1	<1					<1.0	
Chloroethane (µg/L)	5	<5		<1					<1	<1					<1.0	
Chloroform (µg/L)	7	<5		<1					<1	<1					<1.0	
Chloromethane (µg/L)	5	<5		<1					<1	<1					<1.0	
cis-1,2-Dichloroethene (µg/L)	5	<5		<1					<1	<1					<1.0	
cis-1,3-Dichloropropene (µg/L)	0.4**	<5		<1					<1	<1					<1.0	
Dibromochloromethane (µg/L)	50 (GV)	<5		<1					<1	<1					<1.0	
Dibromomethane (µg/L)	5	<5		<1					<1	<1					<1.0	
Ethyl benzene (µg/L)	5	<5		<1					<1	<1					<1.0	
Iodomethane (µg/L)	5	<5		<10					<5	<5					<5.0	
Methylene Chloride (µg/L)	5	<10		<10					<5	<1					<1.0	
Styrene (µg/L)	5	<5		<1					<1	<1					<1.0	
Tetrachloroethene (µg/L)	5	<5		<1					<1	<1					<1.0	
Toluene (µg/L)	5	<5		<1					<1	<1					<1.0	
trans-1,2-Dichloroethene (µg/L)	5	<5		<1					<1	<1					<1.0	
trans-1,3-Dichloropropene (µg/L)	0.4**	<5		<1					<1	<1					<1.0	
trans-1,4-Dichloro-2-butene (µg/L)	5	<5		<10					<5	<5					<5.0	
Trichloroethene (µg/L)	5	<5		<1					<1	<1					<1.0	
Trichlorofluoromethane (µg/L)	5	<5		<1					<1	<1					<1.0	
Vinyl Acetate (µg/L)	NS	<5		<5					<5	<5					<5.0	
Vinyl Chloride (µg/L)	2	<5		<1					<1	<1					<1.0	
Xylenes (Total) (µg/L)	5	<5		<1					<1	<1					<1.0	
1,2-Dichloroethene - Total	5	<5														

Notes
1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	12/17/2007	3/27/2008	6/19/2008	9/23/2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013
Field Parameters																	
Conductivity (μmhos/cm)	NS	180	161	192	228	211	162	139	147	230	194	213	230	174	194	167	140
pH (s.u.)	6.5 - 8.5	7.06	7.34	7.3	7.39	7.35	6.8	6.89	6.92	6.97	7.06	**6.41**	7.56	7.1	**6.39**	6.66	**5.1**
Redox	NS																
Temperature (deg C)	NS	8.7	8.1	10.4	10.8	8.4	8.1	12.5	11	8.8	7	10.1	10.4	9	7.1	10.6	13
Turbidity (NTU)	5	**6**	**16**	**97**	0	**8**	**22**	**8**	**9**	0	**121**	0	**35**	0	**39**	0	**8**
Dissolved Oxygen (mg/L)	NS																
Part 360 Leachate Indicator Parameters																	
Ammonia-Nitrogen (mg/L)	2	1.4	1.3	**2.8**	**4.9**	0.28	1.6	0.89	<0.030	**4.3**	1.63	**2.6**	**3.3**	1.2	1	0.9	0.2
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4	<5	<4	<4	<4	<4	5.6	<4.0	<4.0	6	<2.0	<12	<4.0	<4.0	<4.0	5
Bromide (mg/L)	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	28	<5	19	24	29	14	7.5	8.9	9.3	20	13	22	13	22	23	24
Chloride (mg/L)	250	2.8	<2	3.6	3.9	3.1	2.8	2.8	2.6	4.5	1.6	4.77	3.38	1.42	1.23	<1.0	<1.0
Color (Pt-Co)	15				**100**					**120**	**70**				**>70**	**>70**	**60**
Nitrate-Nitrogen (mg/L)	10	<0.1	<0.04	<0.1	0.17	0.58	<0.1	0.23	0.43	<0.1	0.13	<0.020	<0.020	<0.02	0.03	<0.02	0.03
Sulfate (mg/L)	250	2.3	12	14	16	10	11	9.9	10	13	14.7	13.6	15	13.6	11.4	8.28	8.61
Total Alkalinity (mg/L)	NS	83	95	120	150	130	74	85	92	86	75	100	104	80	56	86	60
Total Cyanide (mg/L)	0.2				<0.01					<0.01	<0.010				<0.01	<0.01	<0.010
Total Dissolved Solids (mg/L)	500	120	100	130	210	110	110	110	96	140	120	8	172	130	145	100	90
Total Hardness (mg/L)	NS	74	68	86	98	83	69	71	70	91	74	107	104	75	74	90	62
Total Kjeldahl Nitrogen (mg/L)	NS	2.6	1.7	3.7	5.3	1.4	2.1	1.2	0.89	2.4	2.24	3.6	3.1	1.7	3.6	2	<1.0
Total Organic Carbon (mg/L)	NS	7	6.3	6.8	7.2	5.6	6.7	5.4	4	6.8	10.1	8.6	8.1	7.8	7.2	5.8	7.4
Total Phenols (mg/L)	0.001	<0.003	<0.003	<0.003	**0.0055**	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Part 360 Routine Metals																	
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	0.00033	<0.005	<0.005	<0.005	0.00014	<0.00021	<0.00015
Calcium (mg/L)	NS	25	23	29	32	25	23	23	22	30	24.7	35.5	33.8	24.8	24.1	29.4	19.6
Iron (mg/L)	0.3*	**7.4**	**8**	**7.2**	**7.6**	**7.7**	**7.1**	**3.4**	**3**	**8.8**	**8.71**	**10.9**	**11.9**	**9.33**	**8.16**	**11.2**	**4.7**
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.002	<0.005	<0.005	<0.005	<0.0019	<0.0018	<0.002
Magnesium (mg/L)	35 (GV)	2.9	2.7	3.5	4.4	5	2.9	3.3	3.5	3.7	2.88	4.49	4.75	3.18	3.33	3.98	3.21
Manganese (mg/L)	0.3*	**0.82**	**0.65**	**0.76**	**0.75**	**0.91**	**0.72**	**0.85**	**0.8**	**0.84**	**0.779**	**0.981**	**1.01**	**0.829**	**0.745**	**0.799**	**0.626**
Potassium (mg/L)	NS	8.1	6.9	8.6	9.9	7.1	5.8	4.6	5.2	9	4.55	7.41	8.07	4.49	3.98	4.56	2.75
Sodium (mg/L)	20	1.6	1.3	1.6	1.9	2.2	1.1	1.1	<1.0	1.8	1.08	1.79	2.07	1.13	1.2	1.42	0.902
Part 360 Additional Baseline Metals																	
Aluminum (mg/L)	NS				0.22					0.12	0.053				0.116	0.287	0.025
Antimony (mg/L)	0.003				<0.01					<0.01	<0.020				<0.0196	<0.0011	<0.002
Arsenic (mg/L)	0.025				<0.01					<0.01	0.002				0.0055	0.007	0.002
Barium (mg/L)	1				0.21					0.15	0.121				0.11	0.119	0.072
Beryllium (mg/L)	0.003 (GV)				<0.01					<0.01	<0.00014				0.00015	<0.00016	<0.0001
Boron (mg/L)	1				<0.5					<0.5	0.009				0.0102	<0.00057	0.008
Chromium (mg/L)	0.05				<0.01					<0.01	<0.005				0.0084	<0.0051	<0.003
Chromium, Hexavalent (mg/L)	0.05				<0.01					<0.01	<0.020				<0.020	<0.02	<0.020
Cobalt (mg/L)	NS				<0.01					<0.01	<0.000				<0.00043	0.00036	<0.001
Copper (mg/L)	0.2				<0.01					<0.01	<0.003				<0.0025	<0.0025	<0.001
Mercury (mg/L)	0.0007				<0.0002					<0.0002	<0.00007				<0.00006	<0.0001	<0.15
Nickel (mg/L)	0.1				<0.01					<0.01	<0.001				<0.00056	<0.00029	<0.00046
Selenium (mg/L)	0.01				<0.01					<0.01	<0.003				<0.0025	<0.0015	<0.003
Silver (mg/L)	0.05				<0.01					<0.01	<0.003				<0.0028	<0.0014	<0.003
Thallium (mg/L)	0.0005 (GV)				<0.01					<0.02	**0.01**				**0.0168**	<0.0018	<0.003
Vanadium (mg/L)	NS				<0.01					<0.01	<0.005				<0.0049	0.0123	<0.011
Zinc (mg/L)	2				0.021					<0.02	0.007				0.0024	<0.0011	0.002
Part 360 Volatile Organics																	
1,1,1,2-Tetrachloroethane (μg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
1,1,1-Trichloroethane (μg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane (μg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
1,1,2-Trichloroethane (μg/L)	1				<1					<1	<5.0				<5.0	<5.0	<5.0

City of Rome
Tannery Road Landfill
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	12/17/2007	3/27/2008	6/19/2008	9/23/2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013
1,1-Dichloroethane (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
1,1-Dichloroethene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
1,2,3-Trichloropropane (µg/L)	0.04				<1					<1	<5.0				<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04				<1					<1	<10				<10	<10	<10
1,2-Dibromoethane (EDB) (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
1,2-Dichlorobenzene (µg/L)	3				<1					<1	<5.0				<5.0	<5.0	<5.0
1,2-Dichloroethane (µg/L)	0.6				<1					<1	<5.0				<5.0	<5.0	<5.0
1,2-Dichloropropane (µg/L)	1				<1					<1	<5.0				<5.0	<5.0	<5.0
1,4-Dichlorobenzene (µg/L)	3				<1					<1	<5.0				<5.0	<5.0	<5.0
2-Butanone (MEK) (µg/L)	50 (GV)				<10					<10	<10				<10	<10	<10
2-Hexanone (µg/L)	50 (GV)				<10					<10	<10				<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS				<10					<10	<10				<10	<10	<10
Acetone (µg/L)	50 (GV)				<10					<10	<10				<10	<10	<10
Acrylonitrile (µg/L)	5				<20					<20	<25				<25	<25	<25
Benzene (µg/L)	1				<1					<1	<5.0				<5.0	<5.0	<5.0
Bromochloromethane (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Bromodichloromethane (µg/L)	50 (GV)				<1					<1	<5.0				<5.0	<5.0	<5.0
Bromoform (µg/L)	50 (GV)				<1					<1	<5.0				<5.0	<5.0	<5.0
Bromomethane (µg/L)	5				<1					<1	<10				<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)				<1					<1	<5.0				<5.0	<5.0	<5.0
Carbon tetrachloride (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Chlorobenzene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Chloroethane (µg/L)	5				<1					<1	<10				<10	<10	<10
Chloroform (µg/L)	7				<1					<1	<5.0				<5.0	<5.0	<5.0
Chloromethane (µg/L)	5				<1					<1	<10				<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**				<1					<1	<5.0				<5.0	<5.0	<5.0
Dibromochloromethane (µg/L)	50 (GV)				<1					<1	<5.0				<5.0	<5.0	<5.0
Dibromomethane (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Ethyl benzene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Iodomethane (µg/L)	5				<5					<5	<10				<10	<10	<10
Methylene Chloride (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Styrene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Tetrachloroethene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Toluene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
trans-1,2-Dichloroethene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**				<1					<1	<5.0				<5.0	<5.0	<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5				<5					<5	<10				<10	<10	<10
Trichloroethene (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Trichlorofluoromethane (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
Vinyl Acetate (µg/L)	NS				<5					<5	<10				<10	<10	<10
Vinyl Chloride (µg/L)	2				<1					<1	<10				<10	<10	<10
Xylenes (Total) (µg/L)	5				<1					<1	<5.0				<5.0	<5.0	<5.0
1,2-Dichloroethene - Total	5																

Notes
1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021
Field Parameters							
Conductivity (µmhos/cm)	NS	150	160	160	260	185.7	
pH (s.u.)	6.5 - 8.5	**6.4**	7.3	6.9	7.1	6.85	
Redox	NS					-83.3	
Temperature (deg C)	NS	8	8.5	11	10	9.4	
Turbidity (NTU)	5	**40**	**150**	**150**	**80**	**30**	
Dissolved Oxygen (mg/L)	NS		-84.9				
Part 360 Leachate Indicator Parameters							
Ammonia-Nitrogen (mg/L)	2	0.2	0.4	0.4	1.2	0.2	0.2
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	4	2.1	2.1	6	<4.0	<4.0
Bromide (mg/L)	2	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	26	13	33	8	12	10
Chloride (mg/L)	250	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0
Color (Pt-Co)	15	**70**	**140**	**80**	**25**	**120**	**150**
Nitrate-Nitrogen (mg/L)	10	0.27	<0.04	<0.04	<0.04	<0.04	<0.04
Sulfate (mg/L)	250	7.14	5.86	6.49	5.08	4.63	5.56
Total Alkalinity (mg/L)	NS	60	75	84	150	80	84
Total Cyanide (mg/L)	0.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Dissolved Solids (mg/L)	500	30	35	135	240	35	65
Total Hardness (mg/L)	NS	61	71	87	127	82	90
Total Kjeldahl Nitrogen (mg/L)	NS	<1.0	1.4	7.8	2	<1.0	2
Total Organic Carbon (mg/L)	NS	7.5	4.6	5	6.4	4.3	25.2
Total Phenols (mg/L)	0.001	**0.002**	<0.002	<0.002	**0.004**	**0.009**	<0.004
Part 360 Routine Metals							
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (mg/L)	NS	19.9	23.1	28.5	41.2	25.5	28.4
Iron (mg/L)	0.3*	**1.77**	**7.64**	**9.57**	**7.3**	**6.78**	**9.68**
Lead (mg/L)	0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	35 (GV)	2.71	3.29	3.84	5.91	4.51	4.71
Manganese (mg/L)	0.3*	0.24	**0.669**	**0.681**	**0.656**	**0.626**	**0.835**
Potassium (mg/L)	NS	3.66	2.64	3.1	6.17	2.71	2.81
Sodium (mg/L)	20	0.835	0.855	0.649	2.51	3.16	1.03
Part 360 Additional Baseline Metals							
Aluminum (mg/L)	NS	<0.1	<0.1	0.134	0.124	0.209	<0.1
Antimony (mg/L)	0.003	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.025	0.008	<0.005	<0.005	0.009	<0.005	<0.005
Barium (mg/L)	1	0.076	0.083	0.093	0.148	0.08	0.094
Beryllium (mg/L)	0.003 (GV)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron (mg/L)	1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium (mg/L)	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent (mg/L)	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Cobalt (mg/L)	NS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper (mg/L)	0.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury (mg/L)	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (mg/L)	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium (mg/L)	0.01	0.007	<0.005	<0.005	<0.005	<0.005	<0.005
Silver (mg/L)	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (mg/L)	0.0005 (GV)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium (mg/L)	NS	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc (mg/L)	2	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Part 360 Volatile Organics							
1,1,1,2-Tetrachloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

City of Rome
Tannery Road Landfill
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021
1,1-Dichloroethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane (µg/L)	0.04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB) (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene (µg/L)	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane (µg/L)	0.6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene (µg/L)	3	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone (MEK) (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10
2-Hexanone (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS	<10	<10	<10	<10	<10	<10
Acetone (µg/L)	50 (GV)	<10	<10	<10	<10	<10	<10
Acrylonitrile (µg/L)	5	<25	<25	<25	<25	<25	<25
Benzene (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromochloromethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane (µg/L)	5	<10	<10	<10	<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane (µg/L)	5	<10	<10	<10	<10	<10	<10
Chloroform (µg/L)	7	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane (µg/L)	5	<10	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromomethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethyl benzene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Iodomethane (µg/L)	5	<10	<10	<10	<10	<10	<10
Methylene Chloride (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5	<10	<10	<10	<10	<10	<10
Trichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichlorofluoromethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Acetate (µg/L)	NS	<10	<10	<10	<10	<10	<10
Vinyl Chloride (µg/L)	2	<10	<10	<10	<10	<10	<10
Xylenes (Total) (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethene - Total	5						

Notes
1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-3S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standards	03/01/99	06/01/99	09/01/99	12/01/99	03/01/00	06/01/00	09/01/00	12/01/00	03/01/01	06/01/01	09/01/01	12/01/01
Field Parameters													
Conductivity (µmhos/cm)	NS	4,440	3,980	3,690	3,270	3,800	3,650	3,370	3,390	3,130	2,870	2,150	2,680
pH (s.u.)	6.5 - 8.5	6.58	6.82	6.74	**6.36**	6.65	6.92	6.63	6.59	**6.42**	**6.3**	6.68	6.71
Redox	NS												
Temperature (deg C)	NS	6.4	141	15.6	7.1	5.5	11.3	15.1	6.4	5	14	12.5	7.6
Turbidity (NTU)	5	**88**	**482**	**357**	**167**	**77**	**78**	**132**	**49**	**35**	**31**	**56**	**42**
Leachate Indicator Parameters													
Ammonia-Nitrogen (mg/L)	2		**75**	**89**	**84**	**120**	**120**	**160**	**130**	**130**	**110**	**95**	**130**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	18	35	28	28	34	16	31	30		24	16	12
Bromide (mg/L)	2	0.9	<2	<2	**4**	**3.8**	0.12	**3**	1.6	1.2	1.1	0.5	0.79
Chemical Oxygen Demand (mg/L)	NS	930	320	<1	310	420	430	550	410	350	180	410	230
Chloride (mg/L)	250	**560**	**560**	**430**	**320**	**350**	13	**370**	**400**	220	210	110	150
Color (Pt-Co)	15		**290**					**1,200**					**750**
Nitrate-Nitrogen (mg/L)	10	<0.2	<0.2	<0.2	<0.2	<0.2	0.28	<0.1	<0.1	<0.1	0.15	<0.1	<0.1
Sulfate (mg/L)	250	<5	6	110	16	48	32	2.3	5.8	33	32	66	79
Total Alkalinity (mg/L)	NS	1,800	1,500	550	600	1,400	1,300	1,100	1,100	1,200	1,200	930	860
Total Cyanide	0.2		<0.01					<0.01					<0.01
Total Dissolved Solids (mg/L)	500	**2,600**	**2,200**	**2,280**	**1,710**	**1,930**	**250**	**2,100**	**1,600**	**1,500**	**1,500**	**1,100**	**1,200**
Total Hardness (mg/L)	NS	770	750	644	504	478	430	470	410	320	360	290	260
Total Kjeldahl Nitrogen (mg/L)	NS	85	85	99	89	120	170	160	130	150	130	100	120
Total Organic Carbon (mg/L)	NS	200	170	247	123	36	200	150	130	120	130	84	90
Total Phenols (mg/L)	0.001	**0.009**	<0.005	**0.006**	**0.008**	**0.005**	**0.0038**	**0.0052**	**0.0031**	**0.0025**	**0.0032**	**0.0022**	**0.0034**
Part 360 Routine Metals													
Cadmium (mg/L)	0.005		0.0084	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	216	212	171	134	123	110	120	110	87	99	82	73
Iron (mg/L)	0.3*	**64.4**	**66.6**	**55.8**	**40.8**	**45.6**	**48**	**48**	**34**	**34**	**34**	**26**	**30**
Lead (mg/L)	0.025	<0.003	0.0123	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	**55.7**	**54.7**	**52.6**	**41**	**41.5**	**37**	**39**	33	25	28	20	20
Manganese (mg/L)	0.3*	**1.96**	**1.87**	**1.6**	**1.4**	**1.3**	**1.3**	**1.5**	**1.2**	**1.1**	**1.2**	**0.95**	**0.91**
Potassium (mg/L)	NS	202	191	210	160	160	210	230	210	170	170	140	150
Sodium (mg/L)	20	**960**	**417**	**310**	**310**	**300**	**320**	**510**	**370**	**320**	**370**	**220**	**250**
Part 360 Baseline Metals													
Aluminum (mg/L)	NS		4.04					1.8					1
Antimony (mg/L)	0.003		<0.015					0.043					<0.01
Arsenic (mg/L)	0.025		<0.01					0.01					<0.01
Barium (mg/L)	1		**1.25**					**1.3**					0.61
Beryllium (mg/L)	0.003 (GV)		<0.003					0.01					<0.01
Boron (mg/L)	1		**2.2**				**2.5**	**2.4**			**1.2**	**1.3**	**1.6**
Chromium (mg/L)	0.05		0.0222					0.025					0.015
Chromium, Hexavalent (mg/L)	0.05		<0.01					<0.01					<0.01
Cobalt (mg/L)	NS		<0.02					0.013					<0.01
Copper (mg/L)	0.2		0.0163					<0.01					<0.01
Mercury (mg/L)	0.0007		<0.0002					<0.0002					0.007
Nickel (mg/L)	0.1		<0.03					0.033					0.019
Selenium (mg/L)	0.01		<0.005					<0.01					<0.01
Silver (mg/L)	0.05		<0.01					<0.01					<0.01
Thallium (mg/L)	0.0005 (GV)		**0.0139**					<0.01					<0.01
Vanadium (mg/L)	NS		0.0457					0.075					0.042
Zinc (mg/L)	2		0.107					0.062					0.025
Volatile Organics													
1,1,1,2-Tetrachloroethane (µg/L)	5							<5					<5
1,1,1-Trichloroethane (µg/L)	5		<5					<5					<5

City of Rome
Tannery Road Landfill
MW-3S
Ground Water Analytical Data

Parameter	NYSDEC	03/01/99	06/01/99	09/01/99	12/01/99	03/01/00	06/01/00	09/01/00	12/01/00	03/01/01	06/01/01	09/01/01	12/01/01
1,1,2,2-Tetrachloroethane (μg/L)	5		<5					<5					<5
1,1,2-Trichloroethane (μg/L)	1		<5					<5					<5
1,1-Dichloroethane (μg/L)	5		<5					<5					<5
1,1-Dichloroethene (μg/L)	5		<5					<5					<5
1,2,3-Trichloropropane (μg/L)	0.04							<5					<5
1,2-Dibromo-3-chloropropane (μg/L)	0.04		<10					<5					<5
1,2-Dibromoethane (EDB) (μg/L)	5		<5					<5					<5
1,2-Dichlorobenzene (μg/L)	3		<5					<5					<5
1,2-Dichloroethane (μg/L)	0.6		<5					<5					<5
1,2-Dichloropropane (μg/L)	1		<5					<5					<5
1,4-Dichlorobenzene (μg/L)	3		<5					<5					<5
2-Butanone (MEK) (μg/L)	50 (GV)		<10					<10					<10
2-Hexanone (μg/L)	50 (GV)		<10					<10					<10
4-Methyl 2-pentanone (μg/L)	NS		<10					<10					<10
Acetone (μg/L)	50 (GV)		21					<10					<10
Acrylonitrile (μg/L)	5		<100					<20					<20
Benzene (μg/L)	1		<5					<5					<5
Bromochloromethane (μg/L)	5		<5					<5					<5
Bromodichloromethane (μg/L)	50 (GV)		<5										<5
Bromoform (μg/L)	50 (GV)		<5					<5					<5
Bromomethane (μg/L)	5		<5					<5					<5
Carbon disulfide (μg/L)	60 (GV)		6					<5					<5
Carbon tetrachloride (μg/L)	5		<5					<5					<5
Chlorobenzene (μg/L)	5		<5					<5					<5
Chloroethane (μg/L)	5		<5					<5					<5
Chloroform (μg/L)	7		<5					<5					<5
Chloromethane (μg/L)	5		<5					<5					<5
cis-1,2-Dichloroethene (μg/L)	5		<5					<5					<5
cis-1,3-Dichloropropene (μg/L)	0.4**		<5					<5					<5
Dibromochloromethane (μg/L)	50 (GV)		<5					<5					<5
Dibromomethane (μg/L)	5		<5					<5					<5
Ethyl benzene (μg/L)	5		<5					<5					<5
Iodomethane (μg/L)	5		<5					<20					<20
Methylene Chloride (μg/L)	5		<5					<10					<10
Styrene (μg/L)	5							<5					<5
Tetrachloroethene (μg/L)	5		<5					<5					<5
Toluene (μg/L)	5		<5					<5					<5
trans-1,2-Dichloroethene (μg/L)	5		<5					<5					<5
trans-1,3-Dichloropropene (μg/L)	0.4**		<5					<5					<5
trans-1,4-Dichloro-2-butene (μg/L)	5							<50					<50
Trichloroethene (μg/L)	5		<5					<5					<5
Trichlorofluoromethane (μg/L)	5		<5					<5					<5
Vinyl Acetate (μg/L)	NS		<50					<20					<20
Vinyl Chloride (μg/L)	2		<5					<5					<5
Xylenes (Total) (μg/L)	5		<5					<5					<5
	5												

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 μg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

Parameter	NYSDEC Ground Water Standards	03/28/02	06/17/02	09/24/02	12/18/02	03/12/03	06/25/03	09/17/03	12/16/03	03/23/04	06/22/04	09/28/04	12/16/04
Field Parameters													
Conductivity (µmhos/cm)	NS	2,390	1,600	1,250	1,490	Frozen	1,140	1,150	1,000	Frozen	815	841	2,400
pH (s.u.)	6.5 - 8.5	6.46	6.83	8.2		Frozen	6.83	6.98	7.1	Frozen	6.6	6.57	6.7
Redox	NS												
Temperature (deg C)	NS	6.2	11.1	15.2	6.6	Frozen	12.1	15	7	Frozen	11.7	14	7
Turbidity (NTU)	5	**32**		**14**	0	Frozen	**109**	**60**	**70**	Frozen	**11**	**86**	**95**
Leachate Indicator Parameters													
Ammonia-Nitrogen (mg/L)	2	**120**	**82**	**53**	**78**	Frozen	**78**	**72**	**75**	Frozen	**53**	**56**	**52**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	11	<10	35	<10	Frozen	14	<4.0	17	Frozen	12	16	<10
Bromide (mg/L)	2	0.52	0.15	0.11	0.14	Frozen	<0.1	<0.1	<0.1	Frozen	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	220	150	110	110	Frozen	93	96	120	Frozen	83	84	110
Chloride (mg/L)	250	130	42	24	25	Frozen	5.7	10	4.4	Frozen	4.1	3.3	2.2
Color (Pt-Co)	15	**900**				Frozen	**500**	<0.1	0.17	Frozen		**750**	
Nitrate-Nitrogen (mg/L)	10	<0.1	<0.1	0.6	<0.1	Frozen	0.15			Frozen	0.18	0.15	<0.1
Sulfate (mg/L)	250	94	63	120	110	Frozen	94	49	52	Frozen	55	36	6.3
Total Alkalinity (mg/L)	NS	840	660	480	550	Frozen	410	450	370	Frozen	360	340	340
Total Cyanide	0.2	<0.01				Frozen	<0.01	490	350	Frozen		<0.01	
Total Dissolved Solids (mg/L)	500	**1,100**	**680**	**610**	**580**	Frozen	430			Frozen	370	350	320
Total Hardness (mg/L)	NS	200	170	190	150	Frozen	120	190	100	Frozen	120	100	110
Total Kjeldahl Nitrogen (mg/L)	NS	140	76	61	32	Frozen	86	63	64	Frozen	63	50	28
Total Organic Carbon (mg/L)	NS	86	60	47	43	Frozen	22	35	43	Frozen	30	26	35
Total Phenols (mg/L)	0.001	<0.002	**0.011**	**0.0038**	<0.002		<0.002	<0.002	**0.0053**		<0.002	<0.002	<0.002
Part 360 Routine Metals													
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	Frozen	<0.01	<0.01	<0.01	Frozen	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	52	49	56	46	Frozen	39	59	32	Frozen	37	29	30
Iron (mg/L)	0.3*	**24**	**15**	**29**	**14**	Frozen	**12**	**14**	**29**	Frozen	**11**	**9.3**	**22**
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.01	Frozen	<0.01	0.011	<0.01	Frozen	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	15	11	11	9.1	Frozen	6.9	10	5.3	Frozen	7.3	6.8	7.5
Manganese (mg/L)	0.3*	**0.74**	**0.6**	**0.63**	**0.5**	Frozen	**0.43**	**0.61**	**0.36**	Frozen	0.043	**0.38**	**0.39**
Potassium (mg/L)	NS	140	110	79	97	Frozen	93	94	79	Frozen	110	110	66
Sodium (mg/L)	20	**210**	**92**	**54**	**76**	Frozen	16	**27**	10	Frozen	9.3	6.1	6.5
Part 360 Baseline Metals													
Aluminum (mg/L)	NS	0.91					1.3					0.44	
Antimony (mg/L)	0.003	<0.01					<0.01					<0.01	
Arsenic (mg/L)	0.025	<0.01					0.011					0.012	
Barium (mg/L)	1	0.5					0.27					<0.2	
Beryllium (mg/L)	0.003 (GV)	<0.01					<0.01					<0.01	
Boron (mg/L)	1	**1.4**	**1.1**	**1**		Frozen	<0.5	0.85	<0.5	Frozen		0.37	
Chromium (mg/L)	0.05	0.018					0.011					<0.01	
Chromium, Hexavalent (mg/L)	0.05	<0.5					<0.01					<0.01	
Cobalt (mg/L)	NS	<0.01					<0.01					<0.01	
Copper (mg/L)	0.2	<0.01					<0.01					<0.01	
Mercury (mg/L)	0.0007	<0.0002					<0.0002					<0.0002	
Nickel (mg/L)	0.1	0.027					<0.01					0.011	
Selenium (mg/L)	0.01	<0.01					<0.01					<0.01	
Silver (mg/L)	0.05	<0.01					<0.01					<0.01	
Thallium (mg/L)	0.0005 (GV)	<0.01					<0.01					<0.01	
Vanadium (mg/L)	NS	0.051					0.027					0.018	
Zinc (mg/L)	2	0.021					0.091					0.02	
Volatile Organics													
1,1,1,2-Tetrachloroethane (µg/L)	5	<5				Frozen	<5					<1	
1,1,1-Trichloroethane (µg/L)	5	<5				Frozen	<5					<1	

City of Rome
Tannery Road Landfill
MW-3S
Ground Water Analytical Data

Parameter	NYSDEC	03/28/02	06/17/02	09/24/02	12/18/02	03/12/03	06/25/03	09/17/03	12/16/03	03/23/04	06/22/04	09/28/04	12/16/04
1,1,2,2-Tetrachloroethane (µg/L)	5	<5				Frozen	<5					<1	
1,1,2-Trichloroethane (µg/L)	1	<5				Frozen	<5					<1	
1,1-Dichloroethane (µg/L)	5	<5				Frozen	<5					<1	
1,1-Dichloroethene (µg/L)	5	<5				Frozen	<5					<1	
1,2,3-Trichloropropane (µg/L)	0.04	<5				Frozen	<5					<1	
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<5				Frozen	<5					<1	
1,2-Dibromoethane (EDB) (µg/L)	5	<5				Frozen	<5					<1	
1,2-Dichlorobenzene (µg/L)	3	<5				Frozen	<5					<1	
1,2-Dichloroethane (µg/L)	0.6	<5				Frozen	<5					<1	
1,2-Dichloropropane (µg/L)	1	<5				Frozen	<5					<1	
1,4-Dichlorobenzene (µg/L)	3	<5				Frozen	<5					<1	
2-Butanone (MEK) (µg/L)	50 (GV)	<10				Frozen	<10					<10	
2-Hexanone (µg/L)	50 (GV)	<10				Frozen	<10					<10	
4-Methyl 2-pentanone (µg/L)	NS	<10				Frozen	<10					<10	
Acetone (µg/L)	50 (GV)	<10				Frozen	<10					<10	
Acrylonitrile (µg/L)	5	<20				Frozen	<20					<5	
Benzene (µg/L)	1	<5				Frozen	<5					<1	
Bromochloromethane (µg/L)	5	<5				Frozen	<5					<1	
Bromodichloromethane (µg/L)	50 (GV)	<5				Frozen	<5					<1	
Bromoform (µg/L)	50 (GV)	<5				Frozen	<5					<1	
Bromomethane (µg/L)	5	<5				Frozen	<5					<1	
Carbon disulfide (µg/L)	60 (GV)	<5				Frozen	<5					<1	
Carbon tetrachloride (µg/L)	5	<5				Frozen	<5					<1	
Chlorobenzene (µg/L)	5	<5				Frozen	<5					<1	
Chloroethane (µg/L)	5	<5				Frozen	<5					<1	
Chloroform (µg/L)	7	<5				Frozen	<5					<1	
Chloromethane (µg/L)	5	<5				Frozen	<5					<1	
cis-1,2-Dichloroethene (µg/L)	5	<5				Frozen	<5					<1	
cis-1,3-Dichloropropene (µg/L)	0.4**	<5				Frozen	<5					<1	
Dibromochloromethane (µg/L)	50 (GV)	<5				Frozen	<5					<1	
Dibromomethane (µg/L)	5	<5				Frozen	<5					<1	
Ethyl benzene (µg/L)	5	<5				Frozen	<5					<1	
Iodomethane (µg/L)	5	<10				Frozen	<10					<10	
Methylene Chloride (µg/L)	5	<10				Frozen	<10					<10	
Styrene (µg/L)	5	<5				Frozen	<5					<1	
Tetrachloroethene (µg/L)	5	<5				Frozen	<5					<1	
Toluene (µg/L)	5	<5				Frozen	<5					<1	
trans-1,2-Dichloroethene (µg/L)	5	<5				Frozen	<5					<1	
trans-1,3-Dichloropropene (µg/L)	0.4**	<5				Frozen	<5					<1	
trans-1,4-Dichloro-2-butene (µg/L)	5	<10				Frozen	<10					<10	
Trichloroethene (µg/L)	5	<5				Frozen	<5					<1	
Trichlorofluoromethane (µg/L)	5	<5				Frozen	<5					<1	
Vinyl Acetate (µg/L)	NS	<20				Frozen	<20					<5	
Vinyl Chloride (µg/L)	2	<5				Frozen	<5					<1	
Xylenes (Total) (µg/L)	5	<5				Frozen	<5					<1	
	5												

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-3S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standards	03/22/05	06/28/05	09/27/05	12/06/05	03/28/06	06/28/06	09/26/06	12/13/06	03/15/07	06/21/07	09/25/07	12/17/07
Field Parameters													
Conductivity (µmhos/cm)	NS	623	2,331	726	630	560	460	517	453	212	555	533	441
pH (s.u.)	6.5 - 8.5	6.97	6.75	6.95	**6.2**	6.8	7.5	7.44	6.51	**6.38**	6.79	6.72	**6.48**
Redox	NS										-83		
Temperature (deg C)	NS	5.5		12.5	8	7	12	12.9	9.5	5.2	11.2	12.5	7.3
Turbidity (NTU)	5	**71**	**93**	**25**	**88**	**56**	**55**	**-**	**46**	0	**21**	**101**	**10**
Leachate Indicator Parameters													
Ammonia-Nitrogen (mg/L)	2	**45**	**50**	**39**	**36**	**25**	**17**	**12**	**9.1**	**8.7**	**14**	**15**	**7.3**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4.0	24	5.1	<4	<4	7.6	5.6	<4	<20	<4	13	<4
Bromide (mg/L)	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	72	70	61	40	46	40	43	35	37	41	40	27
Chloride (mg/L)	250	3.6	3.7	3.2	<1	3.1	2.6	3.2	2.6	2.8	2.5	4	3.4
Color (Pt-Co)	15				**340**	**375**					**400**		
Nitrate-Nitrogen (mg/L)	10	0.16	0.29	<0.1	<0.1	0.25	<0.10	<0.1	<0.1	<0.1	<0.1	0.2	<0.1
Sulfate (mg/L)	250	42	37	24	30	2.9	3.7	4.9	4	4.1	5.4	13	4.7
Total Alkalinity (mg/L)	NS	340	350	310	260	300	270	280	250	300	300	280	250
Total Cyanide	0.2				<0.01	<0.01					<0.01		
Total Dissolved Solids (mg/L)	500	350	390	340	280	260	310	310	270	390	300	280	250
Total Hardness (mg/L)	NS	130	120	110	110	130	160	150	160	190	120	160	170
Total Kjeldahl Nitrogen (mg/L)	NS	35	44	35	28	14	14	15	9.8	8.3	8.3	18	9.4
Total Organic Carbon (mg/L)	NS	23	24	21	19	13	14	14	12	13	14	12	11
Total Phenols (mg/L)	0.001	<0.01	**0.0038**	**0.0021**	**0.0039**	<0.002	<0.002	<0.002	<0.05	<0.002	<0.003	<0.003	<0.003
Part 360 Routine Metals													
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	36	31	32	29	33	42	40	41	44	42	41	41
Iron (mg/L)	0.3*	**15**	**10**	**16**	**14**	**19**	**17**	**15**	**16**	**21**	**23**	**18**	**18**
Lead (mg/L)	0.025	<0.01	**0.044**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	9.5	9.3	8.2	8.5	13	14	13	15	19	19	15	16
Manganese (mg/L)	0.3*	**0.47**	**0.4**	**0.43**	**0.45**	**0.71**	**0.69**	<0.01	**0.63**	**0.93**	**0.98**	**0.72**	**0.75**
Potassium (mg/L)	NS	70	74	66	60	53	47	44	19	30	35	40	26
Sodium (mg/L)	20	6.7	5.2	5.1	2.6	2.6	3	2.6	1.8	1.7	2.2	2.2	1.2
Part 360 Baseline Metals													
Aluminum (mg/L)	NS				2.5	2.8					0.37		
Antimony (mg/L)	0.003				<0.01	<0.01					<0.01		
Arsenic (mg/L)	0.025				0.019	<0.01					<0.01		
Barium (mg/L)	1				0.16	<0.2					<0.2		
Beryllium (mg/L)	0.003 (GV)				<0.01	<0.01					<0.01		
Boron (mg/L)	1				<0.5	<0.5					<0.5		
Chromium (mg/L)	0.05				<0.01	<0.01					<0.01		
Chromium, Hexavalent (mg/L)	0.05				<0.01	<0.01					<0.01		
Cobalt (mg/L)	NS				<0.01	<0.01					<0.01		
Copper (mg/L)	0.2				<0.01	<0.01					<0.04		
Mercury (mg/L)	0.0007				<0.0002	<0.0002					<0.0002		
Nickel (mg/L)	0.1				<0.01	<0.01					<0.01		
Selenium (mg/L)	0.01				<0.01	<0.01					<0.01		
Silver (mg/L)	0.05				<0.01	<0.01					**0.05**		
Thallium (mg/L)	0.0005 (GV)				<0.01	<0.01					<0.01		
Vanadium (mg/L)	NS				0.014	0.012					<0.01		
Zinc (mg/L)	2				0.018	0.018					0.045		
Volatile Organics													
1,1,1,2-Tetrachloroethane (µg/L)	5				<1	<1					<1.0		
1,1,1-Trichloroethane (µg/L)	5				<1	<1					<1.0		

City of Rome
Tannery Road Landfill
MW-3S
Ground Water Analytical Data

Parameter	NYSDEC	03/22/05	06/28/05	09/27/05	12/06/05	03/28/06	06/28/06	09/26/06	12/13/06	03/15/07	06/21/07	09/25/07	12/17/07
1,1,2,2-Tetrachloroethane (µg/L)	5				<1	<1					<1.0		
1,1,2-Trichloroethane (µg/L)	1				<1	<1					<1.0		
1,1-Dichloroethane (µg/L)	5				<1	<1					<1.0		
1,1-Dichloroethene (µg/L)	5				<1	<1					<1.0		
1,2,3-Trichloropropane (µg/L)	0.04				<1	<1					<1.0		
1,2-Dibromo-3-chloropropane (µg/L)	0.04				<1	<1					<1.0		
1,2-Dibromoethane (EDB) (µg/L)	5				<1	<1					<1.0		
1,2-Dichlorobenzene (µg/L)	3				<1	<1					<1.0		
1,2-Dichloroethane (µg/L)	0.6				<1	<1					<1.0		
1,2-Dichloropropane (µg/L)	1				<1	<1					<1.0		
1,4-Dichlorobenzene (µg/L)	3				<1	<1					<1.0		
2-Butanone (MEK) (µg/L)	50 (GV)				<5	<5					<5.0		
2-Hexanone (µg/L)	50 (GV)				<5	<5					<5.0		
4-Methyl 2-pentanone (µg/L)	NS				<5	<5					<5.0		
Acetone (µg/L)	50 (GV)				<10	<5					<5.0		
Acrylonitrile (µg/L)	5				<20	<20					<20		
Benzene (µg/L)	1				<1	<1					<1.0		
Bromochloromethane (µg/L)	5				<1	<1					<1.0		
Bromodichloromethane (µg/L)	50 (GV)				<1	<1					<1.0		
Bromoform (µg/L)	50 (GV)				<1	<1					<1.0		
Bromomethane (µg/L)	5				<1	<1					<1.0		
Carbon disulfide (µg/L)	60 (GV)				<1	<1					<1.0		
Carbon tetrachloride (µg/L)	5				<1	<1					<1.0		
Chlorobenzene (µg/L)	5				<1	<1					<1.0		
Chloroethane (µg/L)	5				<1	<1					<1.0		
Chloroform (µg/L)	7				<1	<1					<1.0		
Chloromethane (µg/L)	5				<1	<1					<1.0		
cis-1,2-Dichloroethene (µg/L)	5				<1	<1					<1.0		
cis-1,3-Dichloropropene (µg/L)	0.4**				<1	<1					<1.0		
Dibromochloromethane (µg/L)	50 (GV)				<1	<1					<1.0		
Dibromomethane (µg/L)	5				<1	<1					<1.0		
Ethyl benzene (µg/L)	5				<1	<1					<1.0		
Iodomethane (µg/L)	5				<5	<5					<5.0		
Methylene Chloride (µg/L)	5				<5	<1					<1.0		
Styrene (µg/L)	5				<1	<1					<1.0		
Tetrachloroethene (µg/L)	5				<1	<1					<1.0		
Toluene (µg/L)	5				<1	<1					<1.0		
trans-1,2-Dichloroethene (µg/L)	5				<1	<1					<1.0		
trans-1,3-Dichloropropene (µg/L)	0.4**				<1	<1					<1.0		
trans-1,4-Dichloro-2-butene (µg/L)	5				<5	<5					<5.0		
Trichloroethene (µg/L)	5				<1	<1					<1.0		
Trichlorofluoromethane (µg/L)	5				<1	<1					<1.0		
Vinyl Acetate (µg/L)	NS				<5	<5					<5.0		
Vinyl Chloride (µg/L)	2				<1	<1					<1.0		
Xylenes (Total) (µg/L)	5				<1	<1					<1.0		
	5												

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-3S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standards	3/27/2008	6/19/2008	9/23/2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010
Field Parameters											
Conductivity (µmhos/cm)	NS	475	448	452	507	425	412	493	500	478	480
pH (s.u.)	6.5 - 8.5	6.69	6.67	7.01	6.96	**6.31**	6.69	6.57	**6.1**	6.65	**5.54**
Redox	NS										
Temperature (deg C)	NS	5.6	10.3	12.6	7.8	6.1	14	12	8.4	6	11
Turbidity (NTU)	5	**11**	**12**	0	**85**	**21**	**14**	3	0	**30**	0
Leachate Indicator Parameters											
Ammonia-Nitrogen (mg/L)	2	**11**	**5.8**	**9.7 J**	**3.9**	**3.3**	**2.7**	**2.4**	1.9	**2.2**	1.8
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<5	<4	<4	7	4.9	<4	8.1	4.6	10	6
Bromide (mg/L)	2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	11	34	9.6	67	23	19	26	25	32.8	22
Chloride (mg/L)	250	<2	2.4	2	3.1	2.7	2.6	3.9	2.6	<1.0	<1.0
Color (Pt-Co)	15			**100**					**25**	10	
Nitrate-Nitrogen (mg/L)	10	<0.04	<0.1	0.17	<0.1	<0.1	0.23	<0.1	<0.1	<0.020	<0.020
Sulfate (mg/L)	250	2.7	4.7	4.4	4	3.7	<1	4.1	6.6	<1.0	4.77
Total Alkalinity (mg/L)	NS	270	250	260	280	240	220	250	250	260	250
Total Cyanide	0.2			<0.01					<0.01	<0.010	
Total Dissolved Solids (mg/L)	500	250	280	310	270	230	260	270	260	293	237
Total Hardness (mg/L)	NS	180	180	170	220	190	210	210	230	222	246
Total Kjeldahl Nitrogen (mg/L)	NS	11	11	2.2 J	6	4.1	3.1	3.3	2.5	3.64	5
Total Organic Carbon (mg/L)	NS	11	10	11	14	9.9	9.5	10	11	12.6	12.3
Total Phenols (mg/L)	0.001	<0.003	<0.003	**0.0036**	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002	<0.002
Part 360 Routine Metals											
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.00013	<0.005
Calcium (mg/L)	NS	42	42	41	54	49	55	52	64	62.7	72
Iron (mg/L)	0.3*	**21**	**18**	**19**	**52**	**19**	**22**	**27**	**23**	**24.9**	**22.4**
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.01	0.01	0.011	<0.010	<0.01	<0.002	<0.005
Magnesium (mg/L)	35 (GV)	18	17	16	21	17	18	20	18	15.9	16.3
Manganese (mg/L)	0.3*	**0.92**	**0.82**	**0.72**	**1**	**0.83**	**0.94**	**0.89**	**0.92**	**1.07**	**1.03**
Potassium (mg/L)	NS	32	25	25	19	17	16	20	18	13.2	16.2
Sodium (mg/L)	20	1.1	<1	<1	2.1	1.2	1.8	<1.0	1.3	0.898	1.19
Part 360 Baseline Metals											
Aluminum (mg/L)	NS			0.56					0.12	0.071	
Antimony (mg/L)	0.003			<0.01					<0.01	<0.020	
Arsenic (mg/L)	0.025			<0.01					<0.01	<0.002	
Barium (mg/L)	1			<0.2					<0.1	0.071	
Beryllium (mg/L)	0.003 (GV)			<0.01					<0.01	<0.00014	
Boron (mg/L)	1			<0.5					<0.5	0.022	
Chromium (mg/L)	0.05			<0.01					<0.01	<0.005	
Chromium, Hexavalent (mg/L)	0.05			<0.01					<0.01	<0.020	
Cobalt (mg/L)	NS			<0.01					<0.01	<0.000	
Copper (mg/L)	0.2			<0.01					<0.01	<0.003	
Mercury (mg/L)	0.0007			<0.0002					<0.0002	<0.00007	
Nickel (mg/L)	0.1			<0.01					<0.01	<0.001	
Selenium (mg/L)	0.01			<0.01					<0.01	<0.003	
Silver (mg/L)	0.05			<0.01					<0.01	<0.003	
Thallium (mg/L)	0.0005 (GV)			<0.01					<0.02	**0.028**	
Vanadium (mg/L)	NS			<0.01					<0.01	<0.005	
Zinc (mg/L)	2			0.027					<0.02	0.002	
Volatile Organics											
1,1,1,2-Tetrachloroethane (µg/L)	5			<1					<1	<5.0	
1,1,1-Trichloroethane (µg/L)	5			<1					<1	<5.0	

City of Rome
Tannery Road Landfill
MW-3S
Ground Water Analytical Data

Parameter	NYSDEC	3/27/2008	6/19/2008	9/23/2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010
1,1,2,2-Tetrachloroethane (µg/L)	5			<1					<1	<5.0	
1,1,2-Trichloroethane (µg/L)	1			<1					<1	<5.0	
1,1-Dichloroethane (µg/L)	5			<1					<1	<5.0	
1,1-Dichloroethene (µg/L)	5			<1					<1	<5.0	
1,2,3-Trichloropropane (µg/L)	0.04			<1					<1	<5.0	
1,2-Dibromo-3-chloropropane (µg/L)	0.04			<1					<1	<10	
1,2-Dibromoethane (EDB) (µg/L)	5			<1					<1	<5.0	
1,2-Dichlorobenzene (µg/L)	3			<1					<1	<5.0	
1,2-Dichloroethane (µg/L)	0.6			<1					<1	<5.0	
1,2-Dichloropropane (µg/L)	1			<1					<1	<5.0	
1,4-Dichlorobenzene (µg/L)	3			<1					<1	<5.0	
2-Butanone (MEK) (µg/L)	50 (GV)			<10					<10	<10	
2-Hexanone (µg/L)	50 (GV)			<10					<10	<10	
4-Methyl 2-pentanone (µg/L)	NS			<10					<10	<10	
Acetone (µg/L)	50 (GV)			<10					<10	<10	
Acrylonitrile (µg/L)	5			<20					<20	<25	
Benzene (µg/L)	1			<1					<1	<5.0	
Bromochloromethane (µg/L)	5			<1					<1	<5.0	
Bromodichloromethane (µg/L)	50 (GV)			<1					<1	<5.0	
Bromoform (µg/L)	50 (GV)			<1					<1	<5.0	
Bromomethane (µg/L)	5			<1					<1	<10	
Carbon disulfide (µg/L)	60 (GV)			<1					<1	<5.0	
Carbon tetrachloride (µg/L)	5			<1					<1	<5.0	
Chlorobenzene (µg/L)	5			<1					<1	<5.0	
Chloroethane (µg/L)	5			<1					<1	<10	
Chloroform (µg/L)	7			<1					<1	<5.0	
Chloromethane (µg/L)	5			<1					<1	<10	
cis-1,2-Dichloroethene (µg/L)	5			<1					<1	<5.0	
cis-1,3-Dichloropropene (µg/L)	0.4**			<1					<1	<5.0	
Dibromochloromethane (µg/L)	50 (GV)			<1					<1	<5.0	
Dibromomethane (µg/L)	5			<1					<1	<5.0	
Ethyl benzene (µg/L)	5			<1					<1	<5.0	
Iodomethane (µg/L)	5			<5					<5	<10	
Methylene Chloride (µg/L)	5			<1					<1	<5.0	
Styrene (µg/L)	5			<1					<1	<5.0	
Tetrachloroethene (µg/L)	5			<1					<1	<5.0	
Toluene (µg/L)	5			<1					<1	<5.0	
trans-1,2-Dichloroethene (µg/L)	5			<1					<1	<5.0	
trans-1,3-Dichloropropene (µg/L)	0.4**			<1					<1	<5.0	
trans-1,4-Dichloro-2-butene (µg/L)	5			<5					<5	<10	
Trichloroethene (µg/L)	5			<1					<1	<5.0	
Trichlorofluoromethane (µg/L)	5			<1					<1	<5.0	
Vinyl Acetate (µg/L)	NS			<5					<5	<10	
Vinyl Chloride (µg/L)	2			<1					<1	<10	
Xylenes (Total) (µg/L)	5			<1					<1	<5.0	
	5										

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

Parameter	NYSDEC Ground Water Standards	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021
Field Parameters												
Conductivity (µmhos/cm)	NS	451	477	521	402	340	440	470	460	430	448.2	406
pH (s.u.)	6.5 - 8.5	**6.34**	6.7	**5.86**	**6.22**	**5.7**	**6**	6.54	6.8	6.6	6.55	6.97
Redox	NS							-56.7			-28.6	-53.1
Temperature (deg C)	NS	13.1	7.1	5	11.1	14	5	6.5	13	14	8.7	7
Turbidity (NTU)	5	**24**	0	**23**	0	**60**	**290**	**7**	**90**	**30**	**10**	**8.02**
Leachate Indicator Parameters												
Ammonia-Nitrogen (mg/L)	2	1.7	1.7	1.2	0.8	0.3	0.3	0.3	0.2	0.3	0.2	0.2
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	17	9	9	2	5	6	5	<4.0	5	3.7	2.6
Bromide (mg/L)	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	34	22	27	20	47	38	26	29	25	20	17
Chloride (mg/L)	250	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0
Color (Pt-Co)	15			**20**	**>70**	**20**	**70**	**30**	**120**	**40**	**30**	**45**
Nitrate-Nitrogen (mg/L)	10	<0.020	<0.02	<0.020	<0.02	0.03	0.1	<0.04	<0.04	<0.04	<0.04	<0.04
Sulfate (mg/L)	250	<2.0	<2.0	<2.0	<2.0	5.26	2.11	3.37	<2.0	5.72	<4.0	4.08
Total Alkalinity (mg/L)	NS	240	255	250	210	210	200	270	320	260	220	210
Total Cyanide	0.2			<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	0.015	<0.01
Total Dissolved Solids (mg/L)	500	287	320	**5310 S**	200	220	155	215	290	300	120	150
Total Hardness (mg/L)	NS	203	142	25	204	181	215	257	249	220	208	212
Total Kjeldahl Nitrogen (mg/L)	NS	2.2	3.9	1.7	1.1	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	<1.0
Total Organic Carbon (mg/L)	NS	10.9	11.9	10.6	9.1	11.3	11.3	6.8	7.6	7.9	32.5	57.8
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.004**	**0.007**	<0.004
Part 360 Routine Metals												
Cadmium (mg/L)	0.005	<0.005	<0.005	0.00035	<0.00021	<0.00015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (mg/L)	NS	59.1	71.3	72.7	62.6	54.8	65.1	77	76	67.3	61.6	64.4
Iron (mg/L)	0.3*	**26.3**	**26.9**	**11.3**	**22.4**	**19.6**	**21.9**	**22.3**	**19.9**	**22.9**	**14.9**	**16.2**
Lead (mg/L)	0.025	<0.005	0.006	0.0023	0.0025	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	35 (GV)	13.4	15.5	16.2	11.5	10.8	12.6	15.6	14.3	12.7	13.1	12.4
Manganese (mg/L)	0.3*	**1.06**	**1.24**	**1.27**	**1.03**	**0.929**	**0.859**	**0.691**	**0.632**	**0.755**	**0.453**	**0.422**
Potassium (mg/L)	NS	12.9	12.5	10.3	9.05	7.89	5.31	3.76	4.55	4.38	2.94	2.41
Sodium (mg/L)	20	0.933	0.991	0.94	0.722	0.926	0.464	0.829	0.579	1.45	2.56	0.907
Part 360 Baseline Metals												
Aluminum (mg/L)	NS			<0.00810	0.371	0.018	<0.1	<0.1	0.134	0.211	0.152	<0.1
Antimony (mg/L)	0.003			<0.0196	<0.0011	<0.002	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.025			0.0034	0.003	<0.002	0.006	<0.005	<0.005	<0.005	<0.005	<0.005
Barium (mg/L)	1			0.058	0.0505	0.046	0.044	0.032	0.032	0.036	0.024	0.023
Beryllium (mg/L)	0.003 (GV)			<0.00014	<0.00016	<0.0001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron (mg/L)	1			0.0519	0.0093	0.035	0.092	<0.05	0.059	0.06	0.052	<0.05
Chromium (mg/L)	0.05			<0.0047	<0.0051	<0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent (mg/L)	0.05			<0.020	<0.02	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Cobalt (mg/L)	NS			<0.00043	0.00046	<0.001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper (mg/L)	0.2			<0.0025	<0.0025	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury (mg/L)	0.0007			<0.00006	<0.0001	<0.15	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (mg/L)	0.1			<0.00056	0.00044	<0.00046	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium (mg/L)	0.01			<0.0025	<0.0015	<0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver (mg/L)	0.05			<0.0028	<0.0014	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (mg/L)	0.0005 (GV)			**0.0134**	**0.003**	**0.003**	**0.011**	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium (mg/L)	NS			0.0069	<0.0054	<0.011	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc (mg/L)	2			0.0047	0.0061	0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Volatile Organics												
1,1,1,2-Tetrachloroethane (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Parameter	NYSDEC	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021
1,1,2,2-Tetrachloroethane (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane (µg/L)	1			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane (µg/L)	0.04			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04			<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB) (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene (µg/L)	3			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane (µg/L)	0.6			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane (µg/L)	1			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene (µg/L)	3			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone (MEK) (µg/L)	50 (GV)			<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone (µg/L)	50 (GV)			<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS			<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone (µg/L)	50 (GV)			<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile (µg/L)	5			<25	<25	<25	<25	<25	<25	<25	<25	<25
Benzene (µg/L)	1			<5.0	<5.0	<5.0	<5.0	<5.0	<10	<10	<10	<10
Bromochloromethane (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane (µg/L)	50 (GV)			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform (µg/L)	50 (GV)			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane (µg/L)	5			<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane (µg/L)	5			<10	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform (µg/L)	7			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane (µg/L)	5			<10	<10	<10	<10	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane (µg/L)	50 (GV)			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromomethane (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethyl benzene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Iodomethane (µg/L)	5			<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5			<10	<10	<10	<10	<10	<10	<10	<10	<10
Trichloroethene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichlorofluoromethane (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Acetate (µg/L)	NS			<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride (µg/L)	2			<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes (Total) (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	5											

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05	6/28/05	9/27/05	12/6/05
Field Parameter																													
Conductivity (μmhos/cm)	NS	672	1,590	2,010	444	338	334	429	374	204	247	555	177	125	161	807	163	137	123	685	207	164	203	224	450	93	437	1,200	160
pH (s.u.)	6.5 - 8.5	7.05	**6.43**	**6.23**	7.11	**6.18**	**6.36**	**6.14**	**6.04**	**5.81**	**5.7**	**6.07**	**6.07**	**5.96**	**6.05**	8.3		**5.7**	**5.96**	**6.14**	**5.5**	**5.64**	**5.2**	**5.75**	**6.1**	**6.36**	**6.16**	**6.35**	**6**
Redox	NS																												
Temperature (deg C)	NS	5.7	15.8	15	7.1	6.3	11	14.3	6.8	5.3	15.6	12.7	7.7	5.9	11.5	13.5	6.8	5.5	14.4	15.3	6	4.9	12.3	14.8	7	4.7		12.5	8
Turbidity (NTU)	5	**137**	**77**	**87**	**86**	**40**	**79**	**58**	**33**	**29**	**24**	**19**	**18**	**17**		**91**	0	**25**	**147**	**116**	**6**	**10**	**341**	**46**	**70**	0	**66**	**25**	0
Part 360 Leachate Indicator Parameters																													
Ammonia-Nitrogen (mg/L)	2	**26**	**<0.5**	**90**	**15**	**14**	**15**	**24**	**18**	**7.4**	**9.8**	**32**	**3.1**	**1.7**	**3.5**	**39**	**2.3**	**2.6**	1.7	**35**	**4.2**	**3.8**	**5.9**	**3.6**	0.84	0.64	**11**	**41**	**3**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	62	6	34	24	23	<2.0	14	<20.0		12	25	<10.0	<10.0	<10.0	49	<10.0	6.6	4.7	15	<4	<4.0	4.3	<4	<4	<4.0	<10	20	<4
Bromide (mg/L)	2	<0.2	<0.2	<2.0	<2.0	<2.0	<0.1	<0.1	<0.1	<0.1	0.12	0.24	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.12	<0.1	<0.1	<0.10	0.12	0.54	<0.1
Chemical Oxygen Demand (mg/L)	NS	540	44	22	110	120	110	160	140	110	98	160	88	62	84	230	44	54	75	220	87	74	98	120	130	93	170	350	46
Chloride (mg/L)	250	50	3	200	23	100	2.7	21	16	7.1	8.7	43	5.6	4.5	5.3	99	4.6	5.3	3.8	98	4.8	2.5	8.4	7.4	3.2	3.7	12	110	4.2
Color (Pt-Co)	15		140					**250**					**300**	**250**					**175**					**550**					**70**
Nitrate-Nitrogen (mg/L)	10	<0.2	<0.2	<0.2	0.6	0.3	0.15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.25	0.13	<0.1	0.15	<0.1	<0.1	<0.1	<0.1	0.14	0.12	<0.1	<0.1
Sulfate (mg/L)	250	24	32	11	56	52	28	40	35	11	17	49	27	17	15	20	39	24	14	25	31	3.2	26	20	8	4.8	26	14	35
Total Alkalinity (mg/L)	NS	200	120	660	110	99	99	140	100	57	91	170	23	27	48	280	20	24	34	200	30	41	54	60	32	40	76	320	24
Total Cyanide (mg/L)	0.2		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Total Dissolved Solids (mg/L)	500	320	**5,100**	**810**	330	240	160	340	250	170	200	300	180	160	150	**530**	130	150	140	**560**	80	130	190	190	130	100	220	**610**	130
Total Hardness (mg/L)	NS	42	110	94	49	36	41	46	44	31	40	56	42	34	36	77	42	35	35	130	37	36	43	37	34	36	43	83	44
Total Kjeldahl Nitrogen (mg/L)	NS	26	0.8	70	4.6	12	23	24	20	8.2	12	34	4.6	2.1	4.9	47	2.4	2.8	2	35	4.3	3.1	5.9	6.4	1.3	1.2	15	37	31
Total Organic Carbon (mg/L)	NS	71	21	47.8	35.5	39.3	45	56	62	42	43	61	33	30	41	84	21	24	27	78	32	29	38	40	48	28	44	100	24
Total Phenols (mg/L)	0.001	**0.056**	<0.005	**0.008**	**0.012**	**0.003**	**0.0023**	**0.0028**	**0.0028**	<0.002	**0.003**	**0.0024**	<0.002	**0.0022**	**0.0093**	**0.0056**	**0.0022**	<0.002	<0.002	**0.0045**	**0.0036**	<0.002	<0.002	**0.0079**	<0.002	<0.01	<0.002	<0.002	<0.002
Part 360 Routine Metals																													
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	11.2	29.8	24.4	12.6	9.1	10	12	11	7.7	9.6	14	10	8.5	8.8	20	10	8.7	8.7	34	9.1	8.8	11	9.3	8.5	8.6	11	23	12
Iron (mg/L)	0.3*	**5.2**	**32.8**	**10.3**	**5.3**	**4.4**	**3.9**	**5.5**	**6.5**	**4.9**	**6.6**	**6.9**	**6.6**	**5.2**	**5.2**	**21**	**4.8**	**4.2**	**3.9**	**9.4**	**3.4**	**4**	**4.1**	**4.3**	**6.4**	**5.1**	**5**	**6.9**	**3.6**
Lead (mg/L)	0.025	<0.003	0.0085	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.012	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	3.35	8.28	8.1	4.3	3.2	3.7	4.1	4.2	3	3.9	4.9	4	3.2	3.3	6.3	3.8	3.2	3.1	10	3.5	3.5	3.8	3.3	3.1	3.5	3.8	5.8	3.6
Manganese (mg/L)	0.3*	**0.335**	**4.11**	**0.62**	**0.41**	**0.31**	**0.33**	**0.35**	**0.38**	**0.3**	**0.37**	**0.48**	**0.38**	**0.32**	**0.32**	**0.55**	0.27	0.24	0.22	**0.88**	0.2	0.24	**0.3**	0.25	0.23	0.25	0.28	**0.7**	0.24
Potassium (mg/L)	NS	28.6	4.86	57	34.2	24.1	33	31	35	16	24	33	14	9.7	11	42	13	10	10	48	12	12	16	17	5.1	4.5	14	60	8.9
Sodium (mg/L)	20	**35.8**	3.43	**150**	**27.9**	18.1	21	**32**	18	7.4	13	46	5.7	5.2	4	81	4.6	4.7	3.1	**100**	4	4.5	9.3	8.2	1.3	0.74	9.4	**110**	3.1
Part 360 Additional Basiline Metals																													
Aluminum (mg/L)	NS		2.77					1.8					1.1	1.2					1.4					1.4					0.75
Antimony (mg/L)	0.003		<0.015					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Arsenic (mg/L)	0.025		**0.027**					<0.01					<0.01	<0.01					0.011					<0.01					<0.01
Barium (mg/L)	1		0.0855					<0.2					<0.2	<0.2					<0.2					<0.2					<0.1
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Boron (mg/L)	1		<0.1				0.53	0.71			<0.5	0.65	<0.5	<0.5	<0.5	**1.1**			<0.01	**1.4**	<0.5	<0.5		0.28					<0.5
Chromium (mg/L)	0.05		0.0097					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Chromium, Hexavalent (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Cobalt (mg/L)	NS		<0.02					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Copper (mg/L)	0.2		0.0258					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Mercury (mg/L)	0.0007		<0.0002					<0.0002					<0.0002	<0.0002					<0.0002					<0.0002					<0.0002
Nickel (mg/L)	0.1		<0.03					0.021					<0.01	<0.01					<0.01					<0.01					<0.01
Selenium (mg/L)	0.01		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01					**0.017**
Silver (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Thallium (mg/L)	0.0005 (GV)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Vanadium (mg/L)	NS		<0.3					0.011					<0.01	<0.01					<0.01					<0.01					<0.01
Zinc (mg/L)	2		0.0508					0.032					0.012	0.024					0.049					0.019					0.016
Part 360 Volatile Organics																													
1,1,1,2-Tetrachloroethane (μg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
1,1,1-Trichloroethane (μg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
1,1,2,2-Tetrachloroethane (μg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
1,1,2-Trichloroethane (μg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
1,1-Dichloroethane (μg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
1,1-Dichloroethene (μg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
1,2,3-Trichloropropane (μg/L)	0.04							<5.0					<5.0	<5.0					<5					<1					<1
1,2-Dibromo-3-chloropropane (μg/L)	0.04		<10.0					<5.0					<5.0	<5.0					<5					<1					<1
1,2-Dibromoethane (EDB) (μg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
1,2-Dichlorobenzene (μg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
1,2-Dichloroethane (μg/L)	0.6		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
1,2-Dichloropropane (μg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
1,4-Dichlorobenzene (μg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
2-Butanone (MEK) (μg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10					<5
2-Hexanone (μg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10					<5
4-Methyl 2-pentanone (μg/L)	NS		<10.0					<10.0					<10.0	<10.0				<10	<10					<10					<5
Acetone (μg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10					<10
Acrylonitrile (μg/L)	5		<100.0					<20.0					<20.0	<20.0					<20					<5					<20
Benzene (μg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Bromochloromethane (μg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
Bromodichloromethane (μg/L)	50 (GV)		<5.0										<5.0	<5.0				<5	<5					<1					<1
Bromoform (μg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Bromomethane (μg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Carbon disulfide (μg/L)	60 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Carbon tetrachloride (μg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1

Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05	6/28/05	9/27/05	12/6/05
Chlorobenzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Chloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Chloroform (µg/L)	7		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Chloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
cis-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Dibromochloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Dibromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
Ethyl benzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Iodomethane (µg/L)	5		<5.0					<20.0					<20.0	<10.0					<10					<10					<5
Methylene Chloride (µg/L)	5		<5.0					<10.0					<10.0	<10.0				<10	<10					<10					<5
Styrene (µg/L)	5							<5.0					<5.0	<5.0				<5	<5					<1					<1
Tetrachloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Toluene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
trans-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
trans-1,4-Dichloro-2-butene (µg/L)	5							<50.0					<50.0	<10.0					<10					<10					<5
Trichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Trichlorofluoromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
Vinyl Acetate (µg/L)	NS		<50.0					<20.0					<20.0	<20.0					<20					<5					<5
Vinyl Chloride (µg/L)	2		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Xylenes (Total) (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
1,2-Dichloroethene - Total	5																	<5											

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-4S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/2008	6/19/2008	9/23/2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010
Field Parameter																				
Conductivity (µmhos/cm)	NS	100	210	300	155	83	507	668	140	170	209	504	770	106	88	387	168	93	136	325
pH (s.u.)	6.5 - 8.5	6.5	6.8	6.81	**5.67**	**5.78**	**5.95**	**6.01**	**5.16**	**5.95**	**5.9**	**6.17**	**6.2**	**5.87**	**5.8**	**6.11**	**5.8**	**5.55**	**5.01**	**5.99**
Redox	NS						-108													
Temperature (deg C)	NS	6	13	13.2	9.2	4.8	11	13	7.7	5	10.6	12.7	7.1	5.7	13.8	12	7.8	6.1	10.9	13.4
Turbidity (NTU)	5	**20**	**18**	-	**6**	0	**13**	**15**	**5**	**9**	2	0	**32**	**17**	**6**	**20**	0	3	0	**28**
Part 360 Leachate Indicator Parameters																				
Ammonia-Nitrogen (mg/L)	2	1.5	**4.6**	**11**	**5**	**3.3**	**23**	**31**	**3.3**	**3.6**	**7.3**	**30**	0.87	1.6	0.5	**17**	**12**	0.54	**3.2**	**19.3**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4	<4.0	5.5	<4	<20	9.5	17	<4	6.9	<4	13	<4	<4	<4	11	<4.0	<2.0	<2.0	61
Bromide (mg/L)	2	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	0.37	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	1.9	<1.0	**2.09**
Chemical Oxygen Demand (mg/L)	NS	64	100	130	80	75	190	200	55	93	100	210	75	48	8.9	160	50	54.1	83	171
Chloride (mg/L)	250	3.6	3.8	13	3.8	3.2	43	60	4.6	5.5	7.6	52	3.4	3.3	2.5	13	3.2	<1.0	1.26	18.9
Color (Pt-Co)	15	**150**					**240**					**300**					**60**	**70**		
Nitrate-Nitrogen (mg/L)	10	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.04	0.15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.020	<0.020	<0.020
Sulfate (mg/L)	250	13	14	29	17	11	24	11	20	23	20	13	28	16	9.7	24	40	20.5	19.7	26.4
Total Alkalinity (mg/L)	NS	28	52	100	48	43	130	230	35	58	76	220	38	30	68	100	19	17	38	120
Total Cyanide (mg/L)	0.2	<0.01					<0.01					<0.01					<0.01	<0.010		
Total Dissolved Solids (mg/L)	500	96	160	220	150	120	370	410	96	130	190	**500**	120	90	120	250	130	108	117	268
Total Hardness (mg/L)	NS	32	41	41	39	33	56	55	35	42	38	52	40	34	36	35	53	36	42	42
Total Kjeldahl Nitrogen (mg/L)	NS	1.5	5.8	15	7.2	4.4	23	34	5.8	5.3	1.8	32	3.2	2.4	1.1	20	3.9	1.4	4.2	18.5
Total Organic Carbon (mg/L)	NS	25	42	55	34	33	82	100	29	34	43	90	25	23	22	66	23	22.5	37	59.3
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	<0.05	<0.002	<0.003	<0.003	<0.003	**0.0034**	<0.003	**0.0032**	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002	<0.002	<0.002
Part 360 Routine Metals																				
Cadmium (mg/L)	0.005	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.00013	<0.005	<0.005
Calcium (mg/L)	NS	8.1	11	12	10	8.7	16	17	9.2	11	10	15	10	9	9.4	10	14	9.72	11.7	12.7
Iron (mg/L)	0.3*	**3**	**3.3**	**2.8**	**2.8**	**2.7**	**5.4**	**7.8**	**2.8**	**4.2**	**2.9**	**4.6**	**4.7**	**2.9**	**1.5**	**4**	**2.6**	**1.08**	**1.85**	**3.38**
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.015	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.002	<0.005	<0.005
Magnesium (mg/L)	35 (GV)	2.8	3.4	2.8	3.2	2.7	4.6	3.3	2.8	3.5	3	3.5	3.7	2.9	3.1	2.4	4.4	2.84	3.01	2.56
Manganese (mg/L)	0.3*	0.19	0.22	<0.01	0.2	0.2	**0.44**	**0.51**	0.22	0.29	0.25	**0.38**	0.24	0.22	0.15	0.23	0.24	0.115	0.194	**0.317**
Potassium (mg/L)	NS	5.7	8.2	29	8.3	7	21	40	8.6	11	11	25	4.4	4.5	2.7	24	6.2	1.35	6.92	24.4
Sodium (mg/L)	20	3	6.3	**26**	3.6	2.4	**36**	**60**	3.6	9	9.2	**42**	2.5	2.7	1.6	**30**	4.1	1.25	5.5	**32.2**
Part 360 Additional Basiline Metals																				
Aluminum (mg/L)	NS	1.1					1.6					2.6					0.77	0.678		
Antimony (mg/L)	0.003	<0.01					<0.01					<0.01					<0.01	<0.020		
Arsenic (mg/L)	0.025	<0.01					<0.01					<0.01					<0.01	<0.002		
Barium (mg/L)	1	<0.2					<0.2					<0.2					<0.1	0.008		
Beryllium (mg/L)	0.003 (GV)	<0.01					<0.01					<0.01					<0.01	<0.00014		
Boron (mg/L)	1	<0.5					0.63					0.9					<0.5	0.036		
Chromium (mg/L)	0.05	<0.01					0.015					<0.01					<0.01	<0.005		
Chromium, Hexavalent (mg/L)	0.05	<0.01					<0.01					<0.01					<0.01	<0.020		
Cobalt (mg/L)	NS	<0.01					<0.01					<0.01					<0.01	<0.000		
Copper (mg/L)	0.2	<0.01					<0.04					<0.01					<0.01	<0.003		
Mercury (mg/L)	0.0007	<0.0002					<0.0002					<0.0002					<0.0002	<0.00007		
Nickel (mg/L)	0.1	<0.01					<0.01					0.011					<0.01	0.001		
Selenium (mg/L)	0.01	<0.01					<0.01					<0.01					<0.01	<0.003		
Silver (mg/L)	0.05	<0.01					**0.052**					<0.01					<0.01	<0.003		
Thallium (mg/L)	0.0005 (GV)	0.02					<0.01					<0.01					<0.02	**0.009**		
Vanadium (mg/L)	NS	<0.01					0.012					0.016					<0.01	0.007		
Zinc (mg/L)	2	<0.01					0.01					0.025					0.025	0.009		
Part 360 Volatile Organics																				
1,1,1,2-Tetrachloroethane (µg/L)	5	<1					<1.0					<20					<1	<5.0		
1,1,1-Trichloroethane (µg/L)	5	<1					<1.0					<20					<1	<5.0		
1,1,2,2-Tetrachloroethane (µg/L)	5	<1					<1.0					<20					<1	<5.0		
1,1,2-Trichloroethane (µg/L)	1	<1					<1.0					<20					<1	<5.0		
1,1-Dichloroethane (µg/L)	5	<1					<1.0					<20					<1	<5.0		
1,1-Dichloroethene (µg/L)	5	<1					<1.0					<20					<1	<5.0		
1,2,3-Trichloropropane (µg/L)	0.04	<1					<1.0					<20					<1	<5.0		
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<1					<1.0					<20					<1	<10		
1,2-Dibromoethane (EDB) (µg/L)	5	<1					<1.0					<20					<1	<5.0		
1,2-Dichlorobenzene (µg/L)	3	<1					<1.0					<20					<1	<5.0		
1,2-Dichloroethane (µg/L)	0.6	<1					<1.0					<20					<1	<5.0		
1,2-Dichloropropane (µg/L)	1	<1					<1.0					<20					<1	<5.0		
1,4-Dichlorobenzene (µg/L)	3						<1.0					<20					<1	<5.0		
2-Butanone (MEK) (µg/L)	50 (GV)	<5					<5.0					<200					<10	<10		
2-Hexanone (µg/L)	50 (GV)	<5					<5.0					<200					<10	<10		
4-Methyl 2-pentanone (µg/L)	NS	<5					<5.0					<200					<10	<10		
Acetone (µg/L)	50 (GV)	<5					<5.0					<200					<10	<10		
Acrylonitrile (µg/L)	5	<20					<20					<500					<20	<25		
Benzene (µg/L)	1	<1					<1.0					<20					<1	<5.0		
Bromochloromethane (µg/L)	5	<1					<1.0					<20					<1	<5.0		
Bromodichloromethane (µg/L)	50 (GV)	<1					<1.0					<20					<1	<5.0		
Bromoform (µg/L)	50 (GV)	<1					<1.0					<20					<1	<5.0		
Bromomethane (µg/L)	5	<1					<1.0					<20					<1	<10		
Carbon disulfide (µg/L)	60 (GV)	<1					<1.0					<20					<1	<5.0		
Carbon tetrachloride (µg/L)	5	<1					<1.0					<20					<1	<5.0		

Parameter	NYSDEC Ground Water Standard	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/2008	6/19/2008	9/23/2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010
Chlorobenzene (µg/L)	5	<1					<1.0					<20					<1	<5.0		
Chloroethane (µg/L)	5	<1					<1.0					<20					<1	<10		
Chloroform (µg/L)	7	<1					<1.0					<20					<1	<5.0		
Chloromethane (µg/L)	5	<1					<1.0					<20					<1	<10		
cis-1,2-Dichloroethene (µg/L)	5	<1					<1.0					<20					<1	<5.0		
cis-1,3-Dichloropropene (µg/L)	0.4**	<1					<1.0					<20					<1	<5.0		
Dibromochloromethane (µg/L)	50 (GV)	<1					<1.0					<20					<1	<5.0		
Dibromomethane (µg/L)	5	<1					<1.0					<20					<1	<5.0		
Ethyl benzene (µg/L)	5	<1					<1.0					<20					<1	<5.0		
Iodomethane (µg/L)	5	<5					<5.0					<100					<5	<10		
Methylene Chloride (µg/L)	5	<1					<1.0					<20					<1	<5.0		
Styrene (µg/L)	5	<1					<1.0					<20					<1	<5.0		
Tetrachloroethene (µg/L)	5	<1					<1.0					<20					<1	<5.0		
Toluene (µg/L)	5	<1					<1.0					<20					<1	<5.0		
trans-1,2-Dichloroethene (µg/L)	5	<1					<1.0					<20					<1	<5.0		
trans-1,3-Dichloropropene (µg/L)	0.4**	<1					<1.0					<20					<1	<5.0		
trans-1,4-Dichloro-2-butene (µg/L)	5	<5					<5.0					<100					<5	<10		
Trichloroethene (µg/L)	5	<1					<1.0					<20					<1	<5.0		
Trichlorofluoromethane (µg/L)	5	<1					<1.0					<20					<1	<5.0		
Vinyl Acetate (µg/L)	NS	<5					<5.0					<100					<5	<10		
Vinyl Chloride (µg/L)	2	<1					<1.0					<20					<1	<10		
Xylenes (Total) (µg/L)	5	<1					<1.0					<20					<1	<5.0		
1,2-Dichloroethene - Total	5																			

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

Parameter	NYSDEC Ground Water Standard	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021
Field Parameter											
Conductivity (µmhos/cm)	NS	207	230	197	90	140	90	70	360	78.3	93
pH (s.u.)	6.5 - 8.5	**6.1**	**6.13**	**6.17**	**5.5**	**6.1**	**6.14**	**5.8**	**6.1**	**6.05**	**6.41**
Redox	NS						71.4			90.2	79.6
Temperature (deg C)	NS	6.9	4.7	10.9	14	7	6.1	12	15	8.5	6.6
Turbidity (NTU)	5	0	**14**	0	**50**	**110**	**5**	**70**	0	**10**	**8.64**
Part 360 Leachate Indicator Parameters											
Ammonia-Nitrogen (mg/L)	2	**8.4**	**6.2**	**4.6**	0.2	0.2	0.6	0.4	**18.5**	0.6	1.5
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4.0	<4.0	2	8	2	2.5	<4.0	16	<4.0	<4.0
Bromide (mg/L)	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	98	88	90	859	113	59	69	195	76	59
Chloride (mg/L)	250	3.26	1.93	2.07	<1.0	1.16	<2.0	<2.0	9.21	<2.0	<2.0
Color (Pt-Co)	15		**>70**	**>70**	**>70**	**70**	**130**	**55**	**600**	**140**	**100**
Nitrate-Nitrogen (mg/L)	10	<0.02	0.02	<0.02	0.02	0.08	<0.04	<0.04	<0.04	<0.04	<0.04
Sulfate (mg/L)	250	33.8	27	23	11.2	1.61	14.6	7.82	29.2	<4.0	28.1
Total Alkalinity (mg/L)	NS	65	58	50	760	26	2	28	130	30	11
Total Cyanide (mg/L)	0.2		<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Dissolved Solids (mg/L)	500	218	193	140	85	80	20	100	210	90	55
Total Hardness (mg/L)	NS	42	48	45	47	39	35	37	35	35	41
Total Kjeldahl Nitrogen (mg/L)	NS	9.8	9.5	4.5	4.8	1.4	2.8	<1.0	21.3	<1.0	3.4
Total Organic Carbon (mg/L)	NS	40.8	38.1	40.2	35.9	41.6	21.6	23.1	74.7	29.3	30.4
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	<0.002	**0.002**	<0.002	<0.002	**0.015**	**0.01**	<0.004
Part 360 Routine Metals											
Cadmium (mg/L)	0.005	<0.005	0.00026	<0.00021	0.0011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (mg/L)	NS	11.9	13	12.5	12.7	11.5	10.4	11.2	11.1	10.6	12.9
Iron (mg/L)	0.3*	**2.51**	**2.93**	**3.17**	**3.82**	**3.89**	**3.05**	**2.26**	**2.78**	**2.3**	**2.02**
Lead (mg/L)	0.025	<0.005	<0.0019	<0.0018	0.022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	35 (GV)	2.88	3.72	3.36	3.37	2.4	2.27	2.09	1.7	2.11	2.2
Manganese (mg/L)	0.3*	0.255	**0.333**	**0.323**	0.254	0.263	0.241	0.197	**0.38**	0.203	0.104
Potassium (mg/L)	NS	14.5	12.2	5.68	1.15	0.671	1.29	1.24	20.8	1.16	0.357
Sodium (mg/L)	20	10.6	8.09	4.94	1.54	0.766	1.78	0.906	**23**	2.28	1.14
Part 360 Additional Basiline Metals											
Aluminum (mg/L)	NS		1.05	1.37	4.83	2.03	0.909	1.14	1.79	1.42	0.622
Antimony (mg/L)	0.003		<0.0196	0.0017	0.009	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.025		0.0052	<0.0022	<0.002	0.006	<0.005	<0.005	<0.005	<0.005	<0.005
Barium (mg/L)	1		0.0242	0.0138	0.023	0.012	<0.01	<0.01	0.029	<0.01	0.013
Beryllium (mg/L)	0.003 (GV)		<0.00014	<0.00016	<0.0001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron (mg/L)	1		0.214	0.156	0.041	<0.05	<0.05	<0.05	0.443	<0.05	<0.05
Chromium (mg/L)	0.05		<0.0047	<0.0051	0.008	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent (mg/L)	0.05		<0.020	<0.02	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Cobalt (mg/L)	NS		<0.00043	0.00069	0.003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper (mg/L)	0.2		<0.002	<0.0025	0.076	<0.005	<0.005	<0.005	<0.005	<0.005	0.008
Mercury (mg/L)	0.0007		<0.00006	<0.0001	<0.15	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (mg/L)	0.1		0.0018	0.002	0.0079	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium (mg/L)	0.01		<0.0025	<0.0015	<0.003	**0.012**	<0.005	<0.005	0.01	<0.005	<0.005
Silver (mg/L)	0.05		<0.0028	<0.0014	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (mg/L)	0.0005 (GV)		**0.0335**	**0.003**	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium (mg/L)	NS		<0.0049	0.0067	<0.011	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc (mg/L)	2		0.0105	0.0017	0.041	0.013	<0.01	<0.01	<0.01	<0.01	<0.01
Part 360 Volatile Organics											
1,1,1,2-Tetrachloroethane (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane (µg/L)	1		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane (µg/L)	0.04		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB) (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene (µg/L)	3		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane (µg/L)	0.6		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane (µg/L)	1		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene (µg/L)	3		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone (MEK) (µg/L)	50 (GV)		<10	<10	<10	<10	<10	<10	<10	<10	<10
2-Hexanone (µg/L)	50 (GV)		<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS		<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone (µg/L)	50 (GV)		<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile (µg/L)	5		<25	<25	<25	<25	<25	<25	<25	<25	<25
Benzene (µg/L)	1		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromochloromethane (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane (µg/L)	50 (GV)		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform (µg/L)	50 (GV)		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane (µg/L)	5		<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Parameter	NYSDEC Ground Water Standard	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021
Chlorobenzene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane (µg/L)	5		<10	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform (µg/L)	7		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane (µg/L)	5		<10	<10	<10	<10	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane (µg/L)	50 (GV)		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromomethane (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethyl benzene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Iodomethane (µg/L)	5		<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5		<10	<10	<10	<10	<10	<10	<10	<10	<10
Trichloroethene (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichlorofluoromethane (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Acetate (µg/L)	NS		<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride (µg/L)	2		<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes (Total) (µg/L)	5		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethene - Total	5										

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-5S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04
Field Parameter																								
Conductivity (µmhos/cm)	NS	869	340	308	195	540	230	167	219	456	163	433	227	232	223	112	252	227	208	102	230	306	112	118
pH (s.u.)	6.5 - 8.5	7.56	6.75	**6.48**	7.3	**6.46**	6.75	6.85	6.67	**6.26**	6.5	6.75	6.84	6.57	6.85	**5.67**		6.5	6.77	6.85	6.9	**6.15**	**6.1**	**6.44**
Redox	NS																							
Temperature (deg C)	NS	5.2	16.2	13.1	7	6.5	10.9	12.8	6.6	6	14.6	11.6	7.7	4.8	10.1	13.2	6.9	5.5	13.1	14.3	7	5.4	11.3	14.1
Turbidity (NTU)	5	**64**	**533**	**204**	**162**	**74**	**55**	**198**	**46**	**35**	**42**	**68**	**36**	**47**		**837**	0	**27**	**334**	**202**	**140**	**41**	**150**	**108**
Part 360 Leachate Indicator Parameters																								
Ammonia-Nitrogen (mg/L)	2	1.5	<0.5	<0.3	<0.3	<0.3	0.11	0.11	0.34	1.3	0.34	1.4	0.43	0.82	0.26	0.09	0.57	0.65	0.71	0.058	0.4	0.83	<0.03	<0.03
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	11	11	2	2	62	20	<2.0	<4.0		<4.0	4.7	<4.0	<4.0	<4.0	9.5	<4.0	<4.0	<4	<4.0	<4	<4.0	<4	<4
Bromide (mg/L)	2	<0.2	<0.2	<2.0	<2.0	<2.0	1.3	<0.1	<0.1	<0.1	<0.1	0.13	<0.1	<0.1	<0.1	<0.1	<0.1	0.12	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	71	45	32	20	36	24	32	26	37	5.2	43	23	31	18	62	20	16	69	22	32	25	25	15
Chloride (mg/L)	250	14	3	2.4	3.2	5.9	94	2.9	2.3	5	2.9	6	3.2	3.1	2.9	2.6	2.8	4.1	4	3.2	4.3	4.2	2.9	2.6
Color (Pt-Co)	15		**110**					**30**					**75**	**150**					**125**					**450**
Nitrate-Nitrogen (mg/L)	10	<0.2	<0.2	<0.2	0.8	0.6	0.16	0.1	<0.1	<0.1	0.22	<0.1	<0.1	<0.1	<0.1	0.19	<0.1	<0.1	0.15	0.12	0.18	<0.1	0.19	0.2
Sulfate (mg/L)	250	37	40	28	31	51	16	44	60	42	34	53	36	23	18	21	23	21	22	16	14	21	11	9.6
Total Alkalinity (mg/L)	NS	470	170	300	58	260	120	52	47	200	50	190	68	82	80	40	110	97	86	32	100	110	48	38
Total Cyanide (mg/L)	0.2		<0.01										<0.01	<0.01					<0.01					<0.01
Total Dissolved Solids (mg/L)	500	430	130	230	150	360	730	140	150	300	120	240	200	78	110	180	170	160	170	92	160	180	80	66
Total Hardness (mg/L)	NS	320	130	148	81	228	120	96	110	200	78	230	110	110	93	110	120	130	120	66	110	130	54	52
Total Kjeldahl Nitrogen (mg/L)	NS	3.1	1.1	0.9	0.4	<0.3	0.61	0.69	0.8	1.8	0.67	1.6	0.62	0.89	0.39	1.4	0.63	0.66	0.79	0.37	0.59	1.3	0.41	0.2
Total Organic Carbon (mg/L)	NS	22	15	15.1	17.1	16.8	9.7	9.1	8.5	13	7.2	13	9.6	11	6.5	22	8.1	8.1	10	5.7	10	8.9	4.5	3.6
Total Phenols (mg/L)	0.001	<0.005	<0.005	<0.001	**0.003**	**0.001**	**0.0024**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.0097**	**0.0033**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.0039**
Part 360 Routine Metals																								
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	97.8	35	43	23.3	69.9	35	27	31	64	23	72	35	35	30	27	41	42	39	20	35	42	17	16
Iron (mg/L)	0.3*	**31.4**	**20.8**	**14.2**	**9.3**	**24.8**	**7.6**	**11**	**8**	**15**	**10**	**15**	**6.1**	**12**	**8.2**	**97**	**11**	**10**	**11**	**13**	**30**	9	**6.3**	**4.7**
Lead (mg/L)	0.025	<0.003	0.0056	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	18.6	10.2	9.8	5.5	13	7.9	6.7	7.3	10	5.1	12	6	5.3	4.2	9.5	5	5.3	4.8	4	4.9	5.7	2.8	2.9
Manganese (mg/L)	0.3*	**12.2**	**4.16**	**6.5**	**2.6**	**8.5**	**2.8**	**1.4**	**1.8**	**2.6**	**0.37**	**2.5**	**1.4**	**1.6**	**1.4**	**3.6**	**1.4**	**0.92**	**0.65**	**0.48**	**1**	**0.67**	**0.32**	**0.34**
Potassium (mg/L)	NS	8.94	4.89	3.4	3.8	6.6	5	4.7	5.1	8.8	24	9.4	5.6	4.4	4.2	5.1	5	4.7	4.6	3.3	4.7	5.1	2.4	2.4
Sodium (mg/L)	20	12.1	3.34	11	3.1	5.3	1.9	1.3	<1.0	3.8	13	4.8	1.4	1.6	1	<1.0	1.4	1.5	2.2	<1	2.1	4.4	<1	<1
Part 360 Additional Baseline Metals																								
Aluminum (mg/L)	NS		3.2					2					0.41	0.54					0.73					0.44
Antimony (mg/L)	0.003		<0.015					**0.022**					<0.01	<0.01					<0.01					<0.01
Arsenic (mg/L)	0.025		0.0138					<0.01					<0.01	0.013					**0.031**					0.013
Barium (mg/L)	1		0.0655					<0.2					<0.2	<0.2					<0.2					<0.2
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01
Boron (mg/L)	1		<0.1				<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5		0.014
Chromium (mg/L)	0.05		0.0109					<0.01					<0.01	<0.01					<0.01					<0.01
Chromium, Hexavalent (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01
Cobalt (mg/L)	NS		<0.02					<0.01					<0.01	<0.01					<0.01					<0.01
Copper (mg/L)	0.2		0.0295					0.014					<0.01	<0.01					<0.01					<0.01
Mercury (mg/L)	0.0007		<0.0002					**0.0027**					<0.0002	<0.0002					<0.0002					<0.0002
Nickel (mg/L)	0.1		<0.03					<0.01					<0.01	<0.01					<0.01					<0.01
Selenium (mg/L)	0.01		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01
Silver (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01
Thallium (mg/L)	0.0005 (GV)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01
Vanadium (mg/L)	NS		<0.3					<0.01					<0.01	<0.01					<0.01					<0.01
Zinc (mg/L)	2		0.0827					0.058					0.013	0.032					0.041					0.017
Part 360 Volatile Organics																								
1,1,1,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1
1,1,1-Trichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
1,1,2,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
1,1,2-Trichloroethane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
1,1-Dichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
1,1-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
1,2,3-Trichloropropane (µg/L)	0.04							<5.0					<5.0	<5.0					<5					<1
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<10.0					<5.0					<5.0	<5.0					<5					<1
1,2-Dibromoethane (EDB) (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1
1,2-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1
1,2-Dichloroethane (µg/L)	0.6		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
1,2-Dichloropropane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
1,4-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1
2-Butanone (MEK) (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10

Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04
2-Hexanone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10
4-Methyl 2-pentanone (µg/L)	NS		<10.0					<10.0					<10.0	<10.0				<10	<10					<10
Acetone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10
Acrylonitrile (µg/L)	5		<100.0					<20.0					<20.0	<20.0					<20					<5
Benzene (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
Bromochloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1
Bromodichloromethane (µg/L)	50 (GV)		<5.0										<5.0	<5.0				<5	<5					<1
Bromoform (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
Bromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
Carbon disulfide (µg/L)	60 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
Carbon tetrachloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
Chlorobenzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
Chloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
Chloroform (µg/L)	7		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
Chloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
cis-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
Dibromochloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
Dibromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1
Ethyl benzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
Iodomethane (µg/L)	5		<5.0					<20.0					<20.0	<10.0					<10					<10
Methylene Chloride (µg/L)	5		<5.0					<10.0					<10.0	<10.0				<10	<10					<10
Styrene (µg/L)	5							<5.0					<5.0	<5.0				<5	<5					<1
Tetrachloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
Toluene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
trans-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
trans-1,4-Dichloro-2-butene (µg/L)	5							<50.0					<50.0	<10.0					<10					<10
Trichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
Trichlorofluoromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1
Vinyl Acetate (µg/L)	NS		<50.0					<20.0					<20.0	<20.0					<20					<5
Vinyl Chloride (µg/L)	2		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
Xylenes (Total) (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1
1,2-Dichloroethene - Total	5																	<5						

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-5S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	12/16/04	3/22/05	6/28/05	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/08	6/19//2008	9/23//2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009
Field Parameter																					
Conductivity (µmhos/cm)	NS	276	182	227	178	550	270	420	102	324	172	109	97	324	326	79	80	324	274	108	81
pH (s.u.)	6.5 - 8.5	6.6	7.18	6.66	6.9	**5.9**	6.9	7.2	7.19	**6.45**	**6.38**	6.72	**6.32**	**6.13**	**6.38**	6.75	**6.48**	6.67	**5.92**	**6.13**	**6.13**
Redox	NS											-8									
Temperature (deg C)	NS	8	5.7		12.5	9	6	11	12	9.4	5.5	9.8	11.1	7.4	5.1	8.7	11.5	7.8	5.1	10.6	10.5
Turbidity (NTU)	5	**154**	**8**	**149**	**119**	**38**	**50**	**10**	**-**	**28**	0	**161**	**260**	**15**	**55**	**78**	3	**74**	**121**	**310**	**127**
Part 360 Leachate Indicator Parameters																					
Ammonia-Nitrogen (mg/L)	2	<0.03	0.15	<0.03	<0.03	0.82	0.93	0.055	<0.03	0.88	0.28	0.14	<0.03	0.51	0.83	<0.03	<0.03	1.2	0.44	<0.03	<0.030
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4	<4.0	<4.0	<4.0	7.6	<4	<4.0	<4	<4	<4	<4	<4	5.2	<5	<4	<4	<4	<4	<4	<4.0
Bromide (mg/L)	2	<0.1	<0.1	0.24	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	14	18	16	15	23	22	8.9	16	23	12	19	30	14	30	<5	7.6	40	14	<5	20
Chloride (mg/L)	250	2.5	3	2.6	3.1	3.2	3	2.5	2.9	2.7	2.9	2.7	2.2	3	<2	2.7	2.2	3.1	2.6	2.4	2.5
Color (Pt-Co)	15					**130**	**140**					**100**					**200**				
Nitrate-Nitrogen (mg/L)	10	0.19	0.14	0.13	0.23	<0.1	<0.1	<0.10	0.13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.04	0.17	0.18	<0.1	<0.1	<0.1	<0.1
Sulfate (mg/L)	250	8.3	7.3	9	7.6	12	14	8.6	8.8	8.1	9.4	8.2	7.3	6	8.3	6.6	6.7	6.8	7.9	8.1	6.9
Total Alkalinity (mg/L)	NS	88	140	24	64	230	110	44	52	150	78	56	44	170	150	37	240	200	140	120	78
Total Cyanide (mg/L)	0.2					<0.01	<0.01					<0.01					<0.01				
Total Dissolved Solids (mg/L)	500	90	170	52	90	290	170	66	120	210	140	86	74	210	160	82	92	170	120	48	48
Total Hardness (mg/L)	NS	94	130	31	84	230	130	55	49	150	78	110	45	160	140	42	41	150	110	18	34
Total Kjeldahl Nitrogen (mg/L)	NS	0.14	0.32	0.66	0.39	1.1	0.8	0.23	0.48	1.1	0.51	0.37	0.42	1.2	1.8	1.4	0.34	2.8	0.77	0.25	0.66
Total Organic Carbon (mg/L)	NS	5.4	5.6	5.1	5.4	9.7	9.4	4.7	4.3	7.2	4.2	5	12	7.8	7.8	3.9	4.6	4.7	6.9	5.7	3.9
Total Phenols (mg/L)	0.001	<0.002	<0.01	**0.0037**	<0.002	**0.0035**	**0.0021**	**0.0032**	<0.002	<0.05	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Part 360 Routine Metals																					
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010
Calcium (mg/L)	NS	24	40	9.3	24	71	42	16	15	47	23	16	13	48	43	13	12	45	35	4.6	9.6
Iron (mg/L)	0.3*	**22**	**15**	**7.6**	**24**	**19**	**11**	**2.6**	**2.8**	**12**	**4.8**	**13**	**65**	**12**	**9.1**	**5.9**	**6.4**	**17**	**11**	**1**	**12**
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010
Magnesium (mg/L)	35 (GV)	4.2	8.1	1.9	5.7	12	6.6	3.7	2.9	9	4.9	3.8	2.9	8.8	7.4	2.6	2.6	9	6.5	1.5	2.4
Manganese (mg/L)	0.3*	**0.63**	**1.3**	0.063	**0.82**	**1.6**	**0.52**	**0.32**	<0.01	**0.88**	**0.49**	**0.44**	**0.34**	**0.96**	**0.89**	**0.32**	**0.4**	**1.1**	**1.1**	0.02	0.16
Potassium (mg/L)	NS	2.7	3.3	1.5	3.2	5.4	4	1.7	1.8	2.5	1.9	1.8	1.6	4.2	3.8	1.5	1.6	3.9	2.6	<1	1.2
Sodium (mg/L)	20	1.2	<1.0	<1.0	1.1	2	1.5	<1.0	<1	1.2	1.2	1	1.5	1.3	1.1	1	<1	1.6	<1	<1	<1.0
Part 360 Additional Baseline Metals																					
Aluminum (mg/L)	NS					0.14	0.35					0.64					1.2				
Antimony (mg/L)	0.003					<0.01	<0.01					<0.01					<0.01				
Arsenic (mg/L)	0.025					<0.02	<0.01					<0.01					<0.01				
Barium (mg/L)	1					0.14	<0.2					<0.2					<0.2				
Beryllium (mg/L)	0.003 (GV)					<0.01	<0.01					<0.01					<0.01				
Boron (mg/L)	1					<0.5	<0.5					<0.5					<0.5				
Chromium (mg/L)	0.05					<0.01	<0.01					<0.01					<0.01				
Chromium, Hexavalent (mg/L)	0.05					<0.01	<0.01					<0.01					<0.01				
Cobalt (mg/L)	NS					<0.01	<0.01					<0.01					<0.01				
Copper (mg/L)	0.2					<0.01	<0.01					<0.04					<0.01				
Mercury (mg/L)	0.0007					<0.0002	<0.0002					<0.0002					<0.0002				
Nickel (mg/L)	0.1					<0.01	<0.01					<0.01					<0.01				
Selenium (mg/L)	0.01					<0.01	<0.01					<0.01					<0.01				
Silver (mg/L)	0.05					<0.01	<0.01					0.049					<0.01				
Thallium (mg/L)	0.0005 (GV)					<0.01	<0.01					<0.01					<0.01				
Vanadium (mg/L)	NS					<0.01	<0.01					<0.01					<0.01				
Zinc (mg/L)	2					<0.01	0.015					0.023					0.022				
Part 360 Volatile Organics																					
1,1,1,2-Tetrachloroethane (µg/L)	5					<1	<1					<1.0					<1				
1,1,1-Trichloroethane (µg/L)	5					<1	<1					<1.0					<1				
1,1,2,2-Tetrachloroethane (µg/L)	5					<1	<1					<1.0					<1				
1,1,2-Trichloroethane (µg/L)	1					<1	<1					<1.0					<1				
1,1-Dichloroethane (µg/L)	5					<1	<1					<1.0					<1				
1,1-Dichloroethene (µg/L)	5					<1	<1					<1.0					<1				
1,2,3-Trichloropropane (µg/L)	0.04					<1	<1					<1.0					<1				
1,2-Dibromo-3-chloropropane (µg/L)	0.04					<1	<1					<1.0					<1				
1,2-Dibromoethane (EDB) (µg/L)	5					<1	<1					<1.0					<1				
1,2-Dichlorobenzene (µg/L)	3					<1	<1					<1.0					<1				
1,2-Dichloroethane (µg/L)	0.6					<1	<1					<1.0					<1				
1,2-Dichloropropane (µg/L)	1					<1	<1					<1.0					<1				
1,4-Dichlorobenzene (µg/L)	3					<1						<1.0					<10				
2-Butanone (MEK) (µg/L)	50 (GV)					<5	<5					<5.0					<10				

City of Rome
Tannery Road Landfill
MW-5S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	12/16/04	3/22/05	6/28/05	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/08	6/19//2008	9/23//2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009
2-Hexanone (µg/L)	50 (GV)					<5	<5					<5.0					<10				
4-Methyl 2-pentanone (µg/L)	NS					<5	<5					<5.0					<20				
Acetone (µg/L)	50 (GV)					<10	<5					<5.0					<1				
Acrylonitrile (µg/L)	5					<20	<20					<20					<1				
Benzene (µg/L)	1					<1	<1					<1.0					<1				
Bromochloromethane (µg/L)	5					<1	<1					<1.0					<1				
Bromodichloromethane (µg/L)	50 (GV)					<1	<1					<1.0					<1				
Bromoform (µg/L)	50 (GV)					<1	<1					<1.0					<1				
Bromomethane (µg/L)	5					<1	<1					<1.0					<1				
Carbon disulfide (µg/L)	60 (GV)					<1	<1					<1.0					<1				
Carbon tetrachloride (µg/L)	5					<1	<1					<1.0					<1				
Chlorobenzene (µg/L)	5					<1	<1					<1.0					<1				
Chloroethane (µg/L)	5					<1	<1					<1.0					<1				
Chloroform (µg/L)	7					<1	<1					<1.0					<1				
Chloromethane (µg/L)	5					<1	<1					<1.0					<1				
cis-1,2-Dichloroethene (µg/L)	5					<1	<1					<1.0					<1				
cis-1,3-Dichloropropene (µg/L)	0.4**					<1	<1					<1.0					<1				
Dibromochloromethane (µg/L)	50 (GV)					<1	<1					<1.0					<1				
Dibromomethane (µg/L)	5					<1	<1					<1.0					<5				
Ethyl benzene (µg/L)	5					<1	<1					<1.0					<1				
Iodomethane (µg/L)	5					<5	<5					<5.0					<1				
Methylene Chloride (µg/L)	5					<5	<1					<1.0					<1				
Styrene (µg/L)	5					<1	<1					<1.0					<1				
Tetrachloroethene (µg/L)	5					<1	<1					<1.0					<1				
Toluene (µg/L)	5					<1	<1					<1.0					<1				
trans-1,2-Dichloroethene (µg/L)	5					<1	<1					<1.0					<5				
trans-1,3-Dichloropropene (µg/L)	0.4**					<1	<1					<1.0					<1				
trans-1,4-Dichloro-2-butene (µg/L)	5					<5	<5					<5.0					<1				
Trichloroethene (µg/L)	5					<1	<1					<1.0					<5				
Trichlorofluoromethane (µg/L)	5					<1	<1					<1.0					<1				
Vinyl Acetate (µg/L)	NS					<5	<5					<5.0					<1				
Vinyl Chloride (µg/L)	2					<1	<1					<1.0									
Xylenes (Total) (µg/L)	5					<1	<1					<1.0									
1,2-Dichloroethene - Total	5																				

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

Parameter	NYSDEC Ground Water Standard	12/14/2009	3/24/2010	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021
Field Parameter															
Conductivity (µmhos/cm)	NS	119	52	185	129	237	252	100	100	140	130	100	140	150	186
pH (s.u.)	6.5 - 8.5	**6.4**	**6.2**	**5.36**	**6.37**	6.6	**5.98**	6.77	**6.4**	**6**	6.69	**6.3**	**6.2**	6.74	**6.44**
Redox	NS										27.9			-20.6	35.7
Temperature (deg C)	NS	7.9	5.2	9.9	12.5	7	4.2	9.6	14	6	5	11	15	9.2	5.8
Turbidity (NTU)	5	**22**	**107**	**116**	**102**	0	**73**	**97**	**50**	**320**	**18**	**290**	**120**	**150**	**20.19**
Part 360 Leachate Indicator Parameters															
Ammonia-Nitrogen (mg/L)	2	0.058	<0.1	<0.1	<0.1	0.3	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4.0	<2.0	<2.0	<4.0	<4.0	<4.0	<4.0	<4.0	2	<4.0	<4.0	<<4.0	<4.0	<4.0
Bromide (mg/L)	2	<0.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	<5.0	8.2	<5.0	9	13	8	<5.0	147	26	9	19	<5.0	14	13
Chloride (mg/L)	250	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0
Color (Pt-Co)	15	<5	<5.0				10	5	5	**15**	5	5	**10**	8	8
Nitrate-Nitrogen (mg/L)	10	<0.1	0.03	<0.020	<0.020	<0.02	0.02	<0.02	<0.02	0.09	<0.04	<0.04	<0.04	<0.04	0.05
Sulfate (mg/L)	250	5.6	10.2	6.37	5.4	5.86	5.32	6.32	5.83	6.03	8.95	7.94	6.75	<4.0	6.27
Total Alkalinity (mg/L)	NS	60	17	95	50	135	100	44	40	42	5	48	80	72	92
Total Cyanide (mg/L)	0.2	<0.01	<0.010				<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Dissolved Solids (mg/L)	500	<10	25	102	95	138	153	60	60	50	35	80	40	<5.0	25
Total Hardness (mg/L)	NS	68	22	111	54	113	109	53	49	82	58	54	43	74	98
Total Kjeldahl Nitrogen (mg/L)	NS	0.23	<1.0	<1.0	<1.0	1.4	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Organic Carbon (mg/L)	NS	5.1	3	4	3.6	5.6	4.8	3.1	3.9	7.9	2.5	2.5	5	5.2	43.5
Total Phenols (mg/L)	0.001	<0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.002**	<0.002	<0.002	<0.004	**0.056**	<0.004
Part 360 Routine Metals															
Cadmium (mg/L)	0.005	<0.01	<0.00013	<0.005	<0.005	<0.005	<0.00013	0.00023	<0.00015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (mg/L)	NS	20	6.02	32.5	15.5	34.6	32.1	15.4	14.6	24	17.1	16.1	10.9	20.4	28
Iron (mg/L)	0.3*	**6.6**	**18.3**	**6.1**	**6.53**	**6.73**	**3.39**	**8.94**	**5.41**	**3.8**	**4.5**	**3.92**	**1.97**	**3.18**	**5.09**
Lead (mg/L)	0.025	<0.01	<0.002	<0.005	<0.005	<0.005	<0.0019	<0.0018	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	35 (GV)	4.3	1.58	7.29	3.65	6.55	6.97	3.45	3.13	5.38	3.81	3.23	3.87	5.63	6.82
Manganese (mg/L)	0.3*	**0.64**	0.178	**1.38**	0.277	**0.739**	**0.585**	0.217	0.221	**0.564**	**0.422**	0.296	0.203	**0.326**	**0.385**
Potassium (mg/L)	NS	2	0.609	1.77	1.33	1.73	1.46	1.09	0.936	1.19	0.845	1.12	0.858	2.13	2.04
Sodium (mg/L)	20	<1.0	0.365	0.798	0.646	0.734	0.705	0.418	0.574	0.392	0.668	0.349	0.753	1.6	0.788
Part 360 Additional Baseline Metals															
Aluminum (mg/L)	NS	0.15	0.234				0.0462	0.445	0.28	0.329	<0.1	0.119	0.216	0.138	<0.1
Antimony (mg/L)	0.003	<0.01	<0.020				<0.0196	<0.0011	<0.002	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.025	<0.01	0.008				0.0039	0.0097	<0.002	<0.005	<0.0002	<0.005	<0.005	<0.005	<0.005
Barium (mg/L)	1	<0.1	0.019				0.0323	0.0358	0.028	0.03	<0.005	0.016	0.011	0.014	0.018
Beryllium (mg/L)	0.003 (GV)	<0.01	<0.00014				0.00019	<0.00016	<0.0001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron (mg/L)	1	<0.5	<0.001				0.0066	<0.00057	0.001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium (mg/L)	0.05	<0.01	<0.005				<0.0047	<0.0051	<0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent (mg/L)	0.05	<0.01	<0.020				<0.020	<0.02	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Cobalt (mg/L)	NS	<0.01	0.001				0.00067	0.00061	<0.001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper (mg/L)	0.2	<0.01	<0.003				<0.002	<0.0025	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury (mg/L)	0.0007	<0.0002	<0.00007				<0.00006	<0.0001	<0.15	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (mg/L)	0.1	<0.01	<0.001				0.00081	0.0011	0.00049	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium (mg/L)	0.01	<0.01	<0.003				<0.0025	<0.0015	<0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver (mg/L)	0.05	<0.01	<0.003				<0.0028	<0.0014	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (mg/L)	0.0005 (GV)	<0.02	**0.003**				**0.0153**	<0.0018	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium (mg/L)	NS	<0.01	<0.005				<0.0049	<0.0054	<0.011	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc (mg/L)	2	<0.02	0.006				0.0026	0.0015	0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Part 360 Volatile Organics															
1,1,1,2-Tetrachloroethane (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane (µg/L)	1	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane (µg/L)	0.04	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<1	<10				<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB) (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene (µg/L)	3	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane (µg/L)	0.6	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane (µg/L)	1	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene (µg/L)	3	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone (MEK) (µg/L)	50 (GV)	<10	<10				<10	<10	<10	<10	<10	<10	<10	<10	<10

City of Rome
Tannery Road Landfill
MW-5S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	12/14/2009	3/24/2010	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021
2-Hexanone (µg/L)	50 (GV)	<10	<10				<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS	<10	<10				<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone (µg/L)	50 (GV)	<10	<10				<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile (µg/L)	5	<20	<25				<25	<25	<25	<25	<25	<25	<25	<25	<25
Benzene (µg/L)	1	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromochloromethane (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane (µg/L)	50 (GV)	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform (µg/L)	50 (GV)	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane (µg/L)	5	<1	<10				<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane (µg/L)	5	<1	<10				<10	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform (µg/L)	7	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane (µg/L)	5	<1	<10				<10	<10	<10	<10	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane (µg/L)	50 (GV)	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromomethane (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethyl benzene (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Iodomethane (µg/L)	5	<5	<10				<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5	<5	<10				<10	<10	<10	<10	<10	<10	<10	<10	<10
Trichloroethene (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichlorofluoromethane (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Acetate (µg/L)	NS	<5	<10				<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride (µg/L)	2	<1	<10				<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes (Total) (µg/L)	5	<1	<5.0				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethene - Total	5														

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04
Field Parameters																									
Conductivity (µmhos/cm)	NS	1,330	1,120	1,620	1,300	1,320	1,710	1,220	1,270	1,350	1,200	1,090	1,290	1,440	1,430	503	1,110	1,150	775	1,080	370	1,030	807	817	1150
pH (s.u.)	6.5 - 8.5	6.64	6.53	**6.4**	7.92	6.5	6.88	**6.41**	**6.46**	**6.2**	**5.96**	**6.39**	**6.31**	**5.96**	**6.25**	**5.4**		**6.3**	**6.42**	**6.48**	6.9	**6.23**	**5.7**	**6**	**6.4**
Redox	NS																								
Temperature (deg C)	NS	8.1	14.5	13.2	8.1	8.4	13.3	11.5	9	8.9	12.7	11.2	10.1	9	11.6	11.6	9.5	5.5	12.1	11.7	9	9.5	12.3	12.6	9
Turbidity (NTU)	5	**160**	**42**	**94**	**247**	**128**	**83**	**98**	**62**	**97**	**112**	**152**	**53**	**29**		**345**	**61**	**69**	**999**	**128**	**30**	59	**150**	**165**	**200**
Part 360 Leachate Indicator Parameters																									
Ammonia-Nitrogen (mg/L)	2	**47**	**25**	**47**	**36**	**33**	**58**	**41**	**37**	**46**	**40**	**47**	**39**	**43**	**46**	**22**	**34**	**39**	**40**	**38**	**8.4**	**30**	**29**	**25**	**8.5**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	19	17	17	11	11	4.4	10	<20.0		13	14	<20.0	<20.0	<10.0	9.3	<20.0	<10.0	12	7.1	<10	<10.0	<10	7.2	<4
Bromide (mg/L)	2	<0.2	<0.2	<2.0	<2.0	<2.0	<0.1	1.1	1	0.93	0.74	0.75	0.64	0.8	1	0.21	0.11	0.85	0.89	0.88	<0.1	0.83	0.68	0.5	<0.1
Chemical Oxygen Demand (mg/L)	NS	570	140	14	110	120	150	140	120	140	120	120	120	130	130	150	100	120	150	120	76	110	550	130	59
Chloride (mg/L)	250	81	70	88	84	68	3.3	65	59	74	62	46	56	76	72	21	7	55	57	54	8.8	56	44	27	5.5
Color (Pt-Co)	15		**280**					**750**					**850**	**750**					**600**					**675**	
Nitrate-Nitrogen (mg/L)	10	<0.2	<0.2	<0.2	1.5	4.9	0.16	<0.1	<0.1	0.13	<0.1	<0.1	<0.1	0.16	<0.1	0.23	<0.1	<0.1	<0.1	<0.1	0.72	0.23	<0.1	<0.1	0.49
Sulfate (mg/L)	250	<5.0	35	12	28	34	9.3	41	44	35	47	45	52	58	61	47	8.6	54	57	49	28	39	37	23	14
Total Alkalinity (mg/L)	NS	670	370	710	470	450	680	460	440	430	470	430	390	460	470	160	360	390	410	340	120	320	330	290	150
Total Cyanide (mg/L)	0.2		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01	
Total Dissolved Solids (mg/L)	500	**540**	**540**	**710**	**660**	**610**	**400**	**590**	**600**	**670**	**570**	480	**650**	**720**	**650**	420	**520**	**580**	**640**	**580**	240	**510**	440	420	240
Total Hardness (mg/L)	NS	300	260	350	310	244	390	320	270	280	270	260	250	270	280	140	240	270	270	310	97	230	220	200	90
Total Kjeldahl Nitrogen (mg/L)	NS	44	36	36	24	26	680	50	51	52	43	50	39	50	44	26	36	41	41	25	6.4	35	24	18	8.5
Total Organic Carbon (mg/L)	NS	55	48	45.9	38.5	38.1	60	48	55	49	44	43	47	50	46	50	41	42	27	43	28	39	39	34	23
Total Phenols (mg/L)	0.001	**0.01**	<0.005	**0.01**	**0.014**	**0.006**	**0.0055**	**0.004**	**0.004**	**0.0026**	**0.0034**	**0.0039**	**0.0042**	**0.0027**	**0.012**	**0.0044**	**0.003**	**0.0032**	**0.003**	**0.0024**	NA	**0.004**	<0.002	**0.0021**	<0.002
Part 360 Routine Metals																									
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	62.9	61.1	74.9	64.2	56.4	87	77	66	70	66	64	65	71	71	35	63	69	80	76	24	57	54	49	21
Iron (mg/L)	0.3*	**41.1**	**39.2**	**40.8**	**37.7**	**33.2**	**53**	**45**	**38**	**41**	**42**	**39**	**40**	**40**	**40**	**35**	**34**	**41**	**47**	**45**	**27**	**34**	**31**	**29**	**11**
Lead (mg/L)	0.025	0.0071	0.0041	0.006	0.014	0.006	<0.01	<0.01	<0.01	<0.01	0.013	0.014	<0.01	<0.01	<0.01	**0.035**	0.014	<0.01	<0.01	0.018	<0.01	0.012	0.015	<0.01	0.012
Magnesium (mg/L)	35 (GV)	33.6	25.9	**39.5**	**36.5**	25.1	**41**	32	25	25	25	25	22	24	25	14	20	25	29	28	9.1	22	20	18	9
Manganese (mg/L)	0.3*	**0.837**	**0.84**	**0.82**	**0.89**	**0.87**	**0.96**	**0.85**	**0.73**	**0.8**	**0.76**	**0.76**	**0.7**	**0.73**	**0.71**	**0.67**	**0.65**	**0.72**	**0.82**	**0.85**	**0.83**	**0.68**	**0.68**	**0.64**	**0.38**
Potassium (mg/L)	NS	54.8	40.9	48	50.5	38.4	60	46	66	43	39	41	37	40	43	23	40	39	47	39	20	37	42	40	14
Sodium (mg/L)	20	**46.1**	**39.6**	**60**	**55.5**	**50.5**	**83**	**64**	**48**	**54**	**56**	**59**	**50**	**53**	**57**	15	**37**	**52**	**58**	**47**	9.9	**44**	**36**	**31**	7.7
Part 360 Additional Baseline Metals																									
Aluminum (mg/L)	NS		0.439					1					1.2	0.83					2.3					1.1	
Antimony (mg/L)	0.003		<0.015					**0.034**					<0.01	<0.01					<0.01					<0.01	
Arsenic (mg/L)	0.025		<0.01					0.011					<0.01	<0.01					**0.026**					0.011	
Barium (mg/L)	1		0.217					<0.2					0.43	0.49					0.61					0.23	
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01	
Boron (mg/L)	1		0.7				**1.7**	**1.2**			<0.5	0.83	<0.5	0.99	0.83	<0.5			**1.1**	1.2	<0.5	0.95		0.8	
Chromium (mg/L)	0.05		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01	
Chromium, Hexavalent (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01	
Cobalt (mg/L)	NS		<0.02					<0.01					<0.01	<0.01					<0.01					<0.01	
Copper (mg/L)	0.2		<0.01					<0.01					0.022	<0.01					<0.01					<0.01	
Mercury (mg/L)	0.0007		<0.0002					<0.0002					<0.0002	<0.0002					<0.0002					<0.0002	
Nickel (mg/L)	0.1		<0.03					<0.01					<0.01	<0.01					<0.01					0.046	
Selenium (mg/L)	0.01		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01	
Silver (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01	
Thallium (mg/L)	0.0005 (GV)		**0.0105**					<0.01					<0.01	<0.01					<0.01					<0.01	
Vanadium (mg/L)	NS		<0.3					0.013					0.013	0.01					0.018					0.016	
Zinc (mg/L)	2		0.056					0.067					0.036	0.034					0.097					0.041	
Part 360 Volatile Organics																									
1,1,1,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
1,1,1-Trichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,1,2,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,1,2-Trichloroethane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,1-Dichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,1-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,2,3-Trichloropropane (µg/L)	0.04							<5.0					<5.0	<5.0					<5					<1	
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<10.0					<5.0					<5.0	<5.0					<5					<1	
1,2-Dibromoethane (EDB) (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
1,2-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1	
1,2-Dichloroethane (µg/L)	0.6		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,2-Dichloropropane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,4-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1	
2-Butanone (MEK) (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10	

City of Rome
Tannery Road Landfill
MW-7D
Ground Water Analtyical Data

Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04
2-Hexanone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10	
4-Methyl 2-pentanone (µg/L)	NS		<10.0					<10.0					<10.0	<10.0				<10	<10					<10	
Acetone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				10	<10					<10	
Acrylonitrile (µg/L)	5		<100.0					<20.0					<20.0	<20.0					<20					<5	
Benzene (µg/L)	1		<5.0					**14**					**17**	**24**				**15**	**16**					**4.3**	
Bromochloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
Bromodichloromethane (µg/L)	50 (GV)		<5.0										<5.0	<5.0				<5	<5					<1	
Bromoform (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Bromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Carbon disulfide (µg/L)	60 (GV)		<18.0					<5.0					<5.0	<5.0				<5	<5					<1	
Carbon tetrachloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Chlorobenzene (µg/L)	5		**23**					**8.4**					**5.8**	**5.3**				<5	<5					4.4	
Chloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Chloroform (µg/L)	7		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Chloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
cis-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Dibromochloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Dibromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
Ethyl benzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Iodomethane (µg/L)	5		<5.0					<20.0					<20.0	<10.0					<10					<10	
Methylene Chloride (µg/L)	5		<5.0					<10.0					<10.0	<10.0				<10	<10					<10	
Styrene (µg/L)	5							<5.0					<5.0	<5.0				<5	<5					<1	
Tetrachloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Toluene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
trans-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
trans-1,4-Dichloro-2-butene (µg/L)	5							<50.0					<50.0	<10.0					<10					<10	
Trichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Trichlorofluoromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
Vinyl Acetate (µg/L)	NS		<50.0					<20.0					<20.0	<20.0					<20					<5	
Vinyl Chloride (µg/L)	2		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Xylenes (Total) (µg/L)	5		2					**16**					**130**	**180**				**160**	**97**					<1	
1,2-Dichloroethene - Total	5																	<5							

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers
7) J indicates estimated concentration due to QC sample recovery

City of Rome
Tannery Road Landfill
MW-7D
Ground Water Analtyical Data

Parameter	NYSDEC Ground Water Standard	3/22/05	6/28/05	9/27/05	12/6/05	3/6/06	6/6/06	9/26/06	12/13/06	3/15/07	6/1/07	9/25/07	12/17/07	3/27/08	6/19/08	9/23/08	12/15/08	3/17/09	6/22/09	9/25/09	12/14/09	3/24/10	6/23/2010
Field Parameters																							
Conductivity (μmhos/cm)	NS	785	1,131	434	730	710	450	670	684	1,020	650	287	581	656	551	649	633	327	407	258	632	440	519
pH (s.u.)	6.5 - 8.5	**6.25**	**6.4**	7.05	**6.1**	6.8	7.2	7.25	**6.33**	**6.27**	6.53	6.75	**6.14**	6.73	**6.36**	**6.09**	7.08	**6.16**	**6.34**	**6.08**	**5.8**	**5.7**	**5.91**
Redox	NS										-89												
Temperature (deg C)	NS	8.7		10.8	9	10	12	11	10.1	8.7	10.8	12	9.1	9.5	10.7	10.2	9.4	10.1	13	10.5	9.7	8.6	10.7
Turbidity (NTU)	5	**70**	**151**	**104**	**98**	**78**	**67**	-	**40**	0	**76**	**33**	**43**	**36**	**59**	0	**215**	**79**	**56**	**9**	0	**20**	**10**
Part 360 Leachate Indicator Parameters																							
Ammonia-Nitrogen (mg/L)	2	**26**	**11**	**17**	**22**	**31**	**21**	**24**	**26**	**28**	**24**	**3.9**	**20**	**27**	**18**	**35 J**	**6.2**	**18**	**7.7**	1.5	1.8	**2.77**	**14**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	6.2	<10	13	<4	7.7	8	<4	<10	180	5.2	<4	8	7.8	6.1	9.5	<10	8.4	<4	<4.0	<4.0	<2.0	6
Bromide (mg/L)	2	0.4	0.22	0.15	<0.1	0.3	<0.10	0.32	<0.1	0.55	<0.1	<0.1	0.25	0.26	0.27	0.29	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	109	76	83	93	110	110	110	110	100	100	12	93	68	75	73	80	75	67	56	62	69.9	62
Chloride (mg/L)	250	36	7.6	15	24	33	28	29	35	47	31	3.6	22	31	23	29	5.2	20	5.5	4	<1.0	2.8	9.02
Color (Pt-Co)	15				**350**	**750**					**400**					**400**					12	**70**	
Nitrate-Nitrogen (mg/L)	10	0.16	0.18	0.19	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.04	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.020	<0.020
Sulfate (mg/L)	250	15	7.5	5.9	5	4.8	2.8	4.4	5.2	5.9	5.6	7.7	3.6	2.1	3.3	3.2	1.9	3.4	5.2	7.8	<1.0	7.6	<2.0
Total Alkalinity (mg/L)	NS	320	140	230	300	350	320	320	340	420	330	120	330	370	300	370	210	320	220	150	300	160	265
Total Cyanide (mg/L)	0.2				<0.01	<0.01					<0.01					<0.01					<0.01	<0.010	
Total Dissolved Solids (mg/L)	500	460	280	280	360	430	400	430	440	490	420	190	340	390	370	470	280	340	320	250	330	270	272
Total Hardness (mg/L)	NS	180	140	150	200	210	180	210	210	220	160	100	180	210	460	190	170	190	160	150	190	174	205
Total Kjeldahl Nitrogen (mg/L)	NS	21	11	13	19	19	19	25	24	30	25	4.6	21	28	2	33	9.5	21	8.6	5.4	18	3.64	15.7
Total Organic Carbon (mg/L)	NS	38	26	25	38	41	38	43	39	42	40	25	36	36	34	34 J	33	37	34	26	34	29.8	27.9
Total Phenols (mg/L)	0.001	<0.01	**0.0047**	**0.0041**	**0.0044**	**0.0021**	**0.0052**	**0.0021**	<0.05	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	**0.099 J**	<0.003	<0.003	<0.002	<0.002
Part 360 Routine Metals																							
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	0.00018	<0.005
Calcium (mg/L)	NS	45	32	33	51	52	46	54	53	56	43	24	49	54	130	53	45	50	45	41	51	48.2	55.8
Iron (mg/L)	0.3*	**27**	**26**	**24**	**27**	**31**	**27**	**28**	**27**	**30**	**25**	**19**	**25**	**29**	**23**	**27**	**21**	**25**	**22**	**20**	**25**	**33.8**	**24.1**
Lead (mg/L)	0.025	<0.01	**0.032**	**0.028**	<0.01	<0.01	0.01	0.012	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.013	0.019	<0.010	<0.01	0.005	<0.005
Magnesium (mg/L)	35 (GV)	17	14	16	17	20	17	17	19	20	16	10	15	18	33	16	14	15	12	12	15	13.1	16.1
Manganese (mg/L)	0.3*	**0.55**	**0.61**	**0.59**	**0.62**	**0.65**	**0.57**	<0.01	**0.64**	**0.6**	**0.52**	**0.62**	**0.6**	**0.61**	**1.8**	**0.59**	**0.81**	**0.63**	**0.66**	**0.86**	**0.61**	**0.642**	**0.62**
Potassium (mg/L)	NS	28	19	20	26	34	26	29	14	31	27	7.9	23	34	4.4	26	10	23	12	7.8	24	13.1	22.2
Sodium (mg/L)	20	**33**	7.4	19	**25**	**36**	**28**	**50**	**32**	**38**	**29**	3.3	**24**	**32**	**36**	**24**	4.9	18	8.5	3.5	17	6.51	13.2
Part 360 Additional Baseline Metals																							
Aluminum (mg/L)	NS				1.4	2.6					1.4					2					0.88	0.811	
Antimony (mg/L)	0.003				<0.01	<0.01					<0.01					<0.01					<0.01	<0.020	
Arsenic (mg/L)	0.025				0.024	<0.01					<0.01					<0.01					<0.01	0.006	
Barium (mg/L)	1				0.22	0.31					<0.2					0.24					0.17	0.132	
Beryllium (mg/L)	0.003 (GV)				<0.01	<0.01					<0.01					<0.01					<0.01	0.00017	
Boron (mg/L)	1				0.55	0.83					0.73					0.73					<0.5	0.162	
Chromium (mg/L)	0.05				<0.01	<0.01					0.026					<0.01					<0.01	<0.005	
Chromium, Hexavalent (mg/L)	0.05				<0.01	<0.01					<0.01					<0.01					<0.01	<0.020	
Cobalt (mg/L)	NS				<0.01	<0.01					<0.01					<0.01					<0.01	<0.000	
Copper (mg/L)	0.2				<0.01	<0.01					<0.04					<0.01					<0.01	<0.003	
Mercury (mg/L)	0.0007				<0.0002	<0.0002					<0.0002					<0.0002					<0.0002	<0.00007	
Nickel (mg/L)	0.1				<0.01	<0.01					<0.01					<0.01					<0.01	<0.001	
Selenium (mg/L)	0.01				<0.01	<0.01					<0.01					<0.01					<0.01	<0.003	
Silver (mg/L)	0.05				<0.01	<0.01					<0.01					<0.01					<0.01	<0.003	
Thallium (mg/L)	0.0005 (GV)				<0.01	<0.01					<0.01					<0.01					<0.02	**0.025**	
Vanadium (mg/L)	NS				0.029	0.013					0.015					0.013					0.011	0.011	
Zinc (mg/L)	2				0.029	0.029					0.058					0.031					0.021	0.024	
Part 360 Volatile Organics																							
1,1,1,2-Tetrachloroethane (μg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
1,1,1-Trichloroethane (μg/L)	5				<1	<1					<1.0					<1			1		<1	<5.0	
1,1,2,2-Tetrachloroethane (μg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
1,1,2-Trichloroethane (μg/L)	1				<1	<1					<1.0					<1					<1	<5.0	
1,1-Dichloroethane (μg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
1,1-Dichloroethene (μg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
1,2,3-Trichloropropane (μg/L)	0.04				<1	<1					<1.0					<1					<1	<5.0	
1,2-Dibromo-3-chloropropane (μg/L)	0.04				<1	<1					<1.0					<1					<1	<10	
1,2-Dibromoethane (EDB) (μg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
1,2-Dichlorobenzene (μg/L)	3				<1	<1					<1.0					<1					<1	<5.0	
1,2-Dichloroethane (μg/L)	0.6				<1	<1					<1.0					<1					<1	<5.0	
1,2-Dichloropropane (μg/L)	1				<1	<1					<1.0					<1					<1	<5.0	
1,4-Dichlorobenzene (μg/L)	3				<1	<1					<1.0					<1					<1	<5.0	
2-Butanone (MEK) (μg/L)	50 (GV)				<5	<5					<5.0					<10					<10	<10	

Parameter	NYSDEC Ground Water Standard	3/22/05	6/28/05	9/27/05	12/6/05	3/6/06	6/6/06	9/26/06	12/13/06	3/15/07	6/1/07	9/25/07	12/17/07	3/27/08	6/19/08	9/23/08	12/15/08	3/17/09	6/22/09	9/25/09	12/14/09	3/24/10	6/23/2010
2-Hexanone (µg/L)	50 (GV)				<5	<5					<5.0					<10					<10	<10	
4-Methyl 2-pentanone (µg/L)	NS				<5	<5					<5.0					<10					<10	<10	
Acetone (µg/L)	50 (GV)				<10	<5					<5.0					<10					<10	<10	
Acrylonitrile (µg/L)	5				<20	<40					<40					<20					<1	<25	
Benzene (µg/L)	1				**6.3**	**8.7**					**7.5**					**6**					**5.1**	<5.0	
Bromochloromethane (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
Bromodichloromethane (µg/L)	50 (GV)				<1	<1					<1.0					<1					<1	<5.0	
Bromoform (µg/L)	50 (GV)				<1	<1					<1.0					<1					<1	<5.0	
Bromomethane (µg/L)	5				<1	<1					<1.0					<1					<1	<10	
Carbon disulfide (µg/L)	60 (GV)				<1	<1					<1.0					<1					<1	<5.0	
Carbon tetrachloride (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
Chlorobenzene (µg/L)	5				4.1	3.9					3.2					<1					<1	2.7	
Chloroethane (µg/L)	5				<1	<1					<1.0					<1					<1	<10	
Chloroform (µg/L)	7				<1	<1					<1.0					<1					<1	<5.0	
Chloromethane (µg/L)	5				<1	<1					<1.0					<1					<1	<10	
cis-1,2-Dichloroethene (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
cis-1,3-Dichloropropene (µg/L)	0.4**				<1	<1					<1.0					<1					<1	<5.0	
Dibromochloromethane (µg/L)	50 (GV)				<1	<1					<1.0					<1					<1	<5.0	
Dibromomethane (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
Ethyl benzene (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
Iodomethane (µg/L)	5				<5	<10					<1.0					<5					<5	<10	
Methylene Chloride (µg/L)	5				<5	<1					<1.0					<1					<1	<5.0	
Styrene (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
Tetrachloroethene (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
Toluene (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
trans-1,2-Dichloroethene (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
trans-1,3-Dichloropropene (µg/L)	0.4**				<1	<1					<1.0					<1					<1	<5.0	
trans-1,4-Dichloro-2-butene (µg/L)	5				<5	<10					<1.0					<5					<5	<10	
Trichloroethene (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
Trichlorofluoromethane (µg/L)	5				<1	<1					<1.0					<1					<1	<5.0	
Vinyl Acetate (µg/L)	NS				<5	<10					<1.0					<5					<5	<10	
Vinyl Chloride (µg/L)	2				<1	<1					<1.0					<1					<1	<10	
Xylenes (Total) (µg/L)	5				**110**	**190**					**72**					**80**					**44**	<5.0	
1,2-Dichloroethene - Total	5																						

Notes
1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers
7) J indicates estimated concentration due to QC sample recovery

Parameter	NYSDEC Ground Water Standard	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021
Field Parameters												
Conductivity (µmhos/cm)	NS	578	525	599	438	320	330	380	390	400	397.3	345
pH (s.u.)	6.5 - 8.5	**6.37**	**5.75**	**5.15**	**5.79**	6.9	6.5	6.55	6.5	6.5	**6.05**	6.66
Redox	NS							286.1			-23.5	-26.7
Temperature (deg C)	NS	11.1	9.4	9.1	11.4	12	9	14	11	14	9.6	9.7
Turbidity (NTU)	5	**100**	0	**45**	0	**10**	**10**	**80**	**120**	**30**	**10**	**9.52**
Part 360 Leachate Indicator Parameters												
Ammonia-Nitrogen (mg/L)	2	**17.2**	**14.6**	**15.3**	**13**	0.3	<0.1	**4.3**	**4.2**	**4.8**	1.9	0.1
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<60	<12	7	4	6	4	8	2.7	15	7	6
Bromide (mg/L)	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	80	59	70	67	62	42	55	80	59	61	42
Chloride (mg/L)	250	8.5	9.11	6.68	5.84	<1.0	<1.0	3.55	3.16	2.85	2.34	<2.0
Color (Pt-Co)	15			**>70**	**>70**	**>70**	**70**	**400**	**600**	**450**	**250**	**360**
Nitrate-Nitrogen (mg/L)	10	<0.020	<0.02	0.03	0.02	0.1	0.16	<0.04	<0.04	<0.04	<0.04	<0.04
Sulfate (mg/L)	250	<2.0	<2.0	<2.0	<2.0	<2.0	4.95	<2.0	<2.0	<2.0	<4.0	<2.0
Total Alkalinity (mg/L)	NS	310	275	280	236	160	130	215	210	220	200	150
Total Cyanide (mg/L)	0.2			<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Dissolved Solids (mg/L)	500	340	330	335	260	180	120	160	295	230	180	170
Total Hardness (mg/L)	NS	193	191	209	173	150	142	172	180	169	174	162
Total Kjeldahl Nitrogen (mg/L)	NS	18.5	17.9	18.4	12.9	1.7	<1.0	6.2	6.7	5	<1.0	3.1
Total Organic Carbon (mg/L)	NS	27	27.8	27.8	26.2	27.6	17.6	20.9	25.6	26.2	22.2	83.4
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	**0.002**	<0.002	<0.002	<0.002	<0.002	**0.007**	**0.007**	<0.004
Part 360 Routine Metals												
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.00013	<0.00021	0.00015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (mg/L)	NS	51.2	52.2	55	46.8	42.9	42.8	46.6	47.9	44	46.3	43.9
Iron (mg/L)	0.3*	**25.5**	**24.2**	**23.1**	**20.1**	**16.1**	**2.76**	**20.4**	**19.5**	**16.9**	**17.6**	**18.3**
Lead (mg/L)	0.025	<0.005	0.007	0.0047	0.0039	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	35 (GV)	15.8	14.8	17.3	13.6	10.4	8.62	13.5	14.7	14.4	14.2	12.9
Manganese (mg/L)	0.3*	**0.667**	**0.653**	**0.629**	**0.669**	**1.24**	**1.5**	**1.34**	**1.09**	**0.978**	**1.29**	**1.34**
Potassium (mg/L)	NS	25	19.1	21.6	16.9	7.14	6.61	9.74	10.6	10.8	8.4	7.2
Sodium (mg/L)	20	14.2	10.3	11.5	7.5	3.49	2.16	5.19	4.24	5.87	5.66	3.51
Part 360 Additional Baseline Metals												
Aluminum (mg/L)	NS			0.292	0.965	0.512	<0.1	<0.1	0.272	0.279	0.336	<0.1
Antimony (mg/L)	0.003			<0.0196	<0.0011	<0.002	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.025			<0.0015	<0.0022	<0.002	0.006	<0.005	<0.005	<0.005	<0.005	<0.005
Barium (mg/L)	1			0.153	0.129	0.058	0.035	0.089	0.084	0.093	0.077	0.065
Beryllium (mg/L)	0.003 (GV)			<0.00014	<0.00016	<0.0001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron (mg/L)	1			0.336	0.256	0.131	0.091	0.139	0.176	0.162	0.16	0.078
Chromium (mg/L)	0.05			<0.0047	<0.0051	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent (mg/L)	0.05			<0.020	<0.02	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Cobalt (mg/L)	NS			0.00061	0.001	<0.001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper (mg/L)	0.2			<0.0025	<0.0025	<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury (mg/L)	0.0007			<0.00006	<0.0001	<0.15	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (mg/L)	0.1			<0.00056	<0.00029	<0.00046	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium (mg/L)	0.01			<0.0025	<0.0015	<0.003	0.008	<0.005	<0.005	<0.005	<0.005	<0.005
Silver (mg/L)	0.05			<0.0028	<0.0014	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (mg/L)	0.0005 (GV)			**0.0458**	**0.003**	0.008	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium (mg/L)	NS			<0.0049	0.0106	<0.011	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc (mg/L)	2			0.0035	0.0084	0.047	<0.01	<0.01	0.012	<0.01	<0.01	<0.01
Part 360 Volatile Organics												
1,1,1,2-Tetrachloroethane (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane (µg/L)	1			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane (µg/L)	0.04			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04			<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB) (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene (µg/L)	3			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane (µg/L)	0.6			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane (µg/L)	1			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene (µg/L)	3			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone (MEK) (µg/L)	50 (GV)			<10	<10	<10	<10	<10	<10	<10	<10	<10

City of Rome
Tannery Road Landfill
MW-7D
Ground Water Analtyical Data

Parameter	NYSDEC Ground Water Standard	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021
2-Hexanone (µg/L)	50 (GV)			<10	<10	<10	<10	<10	<10	<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS			<10	<10	<10	<10	<10	<10	<10	<10	<10
Acetone (µg/L)	50 (GV)			<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile (µg/L)	5			<25	<25	<25	<25	<25	<25	<25	<25	<25
Benzene (µg/L)	1			**5.2**	**3**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromochloromethane (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane (µg/L)	50 (GV)			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform (µg/L)	50 (GV)			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane (µg/L)	5			<10	<10	<10	<10	<10	<10	<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene (µg/L)	5			<5.0	2.1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane (µg/L)	5			<10	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform (µg/L)	7			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane (µg/L)	5			<10	<10	<10	<10	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane (µg/L)	50 (GV)			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromomethane (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethyl benzene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Iodomethane (µg/L)	5			<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5			<10	<10	<10	<10	<10	<10	<10	<10	<10
Trichloroethene (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichlorofluoromethane (µg/L)	5			<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Acetate (µg/L)	NS			<10	<10	<10	<10	<10	<10	<10	<10	<10
Vinyl Chloride (µg/L)	2			<10	<10	<10	<10	<10	<10	<10	<10	<10
Xylenes (Total) (µg/L)	5			**55**	**22**	<5.0	<5.0	**13**	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethene - Total	5											

Notes
1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers
7) J indicates estimated concentration due to QC sample recovery

City of Rome
Tannery Road Landfill
MW-9S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05
Field Parameters																										
Conductivity (µmhos/cm)	NS	485	398	369	411	413	414	411	411	419	365	390	408	435	415	377	410	423	385	392	480	413	365	394	410	308
pH (s.u.)	6.5 - 8.5	7.67	7.32	7.23	7.31	7.11	6.89	6.96	7.28	7.2	6.94	6.65	7.39	7.15	7.39	8.9		7.3	7.17	7.5	7.5	6.98	6.78	6.95	7.3	7.57
Redox (mV)																										
Temperature (deg C)	NS	5.8	14.6	12.9	7.4	6.4	9.8	11	8.2	6.1	11.9	11.4	8.2	7.4	9.3	12.7	8	6.3	11.3	12.8	6	5.2	11	13.2	7	6.6
Turbidity (NTU)	5	**999**	**324**	**659**	**999**	**999**	**999**	**999**	**999**	**999**	**704**	**241**	**466**	**460**	**501**	**999**	**506**	**218**	**999**	**614**	**50**	**492**	**999**	**331**	**290**	**512**
Part 360 Leachate Indicator Parameters																										
Ammonia-Nitrogen (mg/L)	2	<0.5	<0.5	<0.3	<0.3	<0.3	0.14	0.3	0.15	0.28	0.3	0.39	0.21	0.17	0.33	0.32	0.56	0.16	1.8	0.93	<0.03	0.56	0.64	0.48	<0.03	0.24
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4.0	5	3.9	5	4.7	5.6	2.1	<4.0		<4.0	4.2	<4.0	<4.0	<4.0	18	4.5	<4.0	4.4	<4.0	<4	<4.0	12	4.7	4.8	4.3
Bromide (mg/L)	2	<0.2	<0.2	<2.0	<2.0	<2.0	0.15	<0.1	<0.1	<0.1	0.17	0.12	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.100
Chemical Oxygen Demand (mg/L)	NS	160	120	26	76	64	74	160	120	96	120	72	75	290	75	87	64	57	120	67	75	120	120	79	86	140
Chloride (mg/L)	250	8	3	4.1	<2.0	2.6	3.3	3.3	3.3	3.4	3.2	3.6	3.3	3.2	3.4	3.3	3.2	3.2	3.2	3.4	3.4	3.5	3.6	3	3.1	3.1
Color (Pt-Co)	15		**530**					**400**					**600**	**850**					**750**					**700**		
Nitrate-Nitrogen (mg/L)	10	<0.2	<0.2	<0.2	0.5	0.3	<0.1	<0.1	<0.1	<0.1	0.18	<0.1	0.17	0.16	<0.1	0.14	<0.1	<0.1	<0.1	<0.1	0.18	<0.1	0.16	<0.1	0.15	0.15
Sulfate (mg/L)	250	5	8	12	8	12	8.5	2.3	4.7	4.2	2.9	3.1	8.6	15	8.4	3.2	6.2	19	15	3.2	8	5.9	3.5	1.9	3	2.3
Total Alkalinity (mg/L)	NS	230	260	1400	260	270	240	270	280	230	260	240	210	240	250	230	250	240	250	220	240	220	240	210	18	220
Total Cyanide (mg/L)	0.2		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		
Total Dissolved Solids (mg/L)	500	420	260	360	340	340	390	420	400	360	380	240	430	360	340	330	380	390	360	340	320	360	250	370	290	350
Total Hardness (mg/L)	NS	1100	530	477.2904	489.5396	466	610	720	700	1200	300	420	390	460	360	650	730	380	400	410	150	730	400	280	110	440
Total Kjeldahl Nitrogen (mg/L)	NS	2.8	1.9	0.5	<0.3	<0.3	0.97	1.4	1.7	1	1.3	1	0.7	0.45	1.2	1.7	0.52	0.74	1.5	0.57	0.63	1.1	1	0.78	0.64	0.96
Total Organic Carbon (mg/L)	NS	30	29	28.6	38.5	32.6	32	31	36	35	30	29	32	29	31	32	26	24	32	25	28	25	30	24	28	26
Total Phenols (mg/L)	0.001	<0.005	<0.005	<0.001	**0.005**	<0.001	**0.0022**	**0.019**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.0087**	**0.0035**	<0.002	<0.002	**0.0022**	**0.0026**	**0.0031**	<0.002	<0.002	<0.002	<0.002	<0.010
Part 360 Routine Metals																										
Cadmium (mg/L)	0.005	**0.0088**	**0.0053**	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010
Calcium (mg/L)	NS	307	142	142	138	138	160	190	180	300	88	120	110	130	100	170	200	100	110	120	50	180	120	84	38	120
Iron (mg/L)	0.3*	**85.3**	**47.8**	**28.2**	**26.8**	**14.3**	**37**	**56**	**56**	**110**	**21**	**30**	**24**	**29**	**26**	**48**	**52**	**25**	**36**	**29**	**2.6**	**67**	**13**	**6.1**	**0.75**	**23**
Lead (mg/L)	0.025	**0.0381**	0.021	0.011	0.017	0.008	<0.01	<0.01	**0.043**	**0.042**	0.012	0.012	0.011	0.017	0.014	**0.034**	**0.041**	<0.01	<0.01	0.023	<0.01	**0.043**	0.017	<0.01	<0.01	<0.010
Magnesium (mg/L)	35 (GV)	**83.9**	**43.5**	29.8	**35.2**	29.4	**48**	**58**	**60**	**100**	19	29	28	34	26	**53**	**60**	27	30	27	5.2	**66**	26	16	3.3	33
Manganese (mg/L)	0.3*	**4.21**	**2.13**	**1.7**	**1.9**	**1.6**	**2.4**	**2.8**	**2.7**	**5**	**1.1**	**1.5**	**1.5**	**1.8**	**1.4**	**2.6**	**3**	**1.4**	**1.6**	**1.5**	**0.36**	**3**	**1.4**	**0.96**	0.25	**1.6**
Potassium (mg/L)	NS	12.1	6.96	2.3	4.6	2.4	4.6	6.4	7.3	14	4.2	7.2	4.6	4.6	6.6	6.3	5.4	4.5	5.8	4.9	2.7	7.8	3.5	2.2	2.2	5.3
Sodium (mg/L)	20	**49.3**	**39.3**	**30**	**41.7**	**46**	**46**	**49**	**53**	**55**	**48**	**33**	**43**	**55**	**57**	**38**	**40**	**53**	**54**	**37**	**55**	**62**	**53**	**33**	**47**	**48**
Part 360 Additional Baseline Metals																										
Aluminum (mg/L)	NS		23.9					<0.01					12	12					18					1.4		
Antimony (mg/L)	0.003		<0.015					**0.048**					<0.01	<0.01					<0.01					<0.01		
Arsenic (mg/L)	0.025		<0.01					<0.01					0.016	0.019					**0.035**					<0.01		
Barium (mg/L)	1		0.201					0.23					<0.2	<0.2					0.2					<0.2		
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01		
Boron (mg/L)	1		<0.1				<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5		0.027		
Chromium (mg/L)	0.05		**0.0592**					<0.01					0.02	0.022					0.033					<0.01		
Chromium, Hexavalent (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		
Cobalt (mg/L)	NS		<0.02					0.024					<0.01	<0.01					0.014					<0.01		
Copper (mg/L)	0.2		0.0845					0.092					0.036	0.027					0.085					<0.01		
Mercury (mg/L)	0.0007		<0.0002					<0.0002					<0.0002	<0.0002					<0.0002					<0.0002		
Nickel (mg/L)	0.1		0.0726					0.071					0.027	0.034					0.042					0.014		
Selenium (mg/L)	0.01		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01		
Silver (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		
Thallium (mg/L)	0.0005 (GV)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		
Vanadium (mg/L)	NS		0.047					0.048					0.023	0.024					0.037					<0.01		
Zinc (mg/L)	2		0.184					0.2					0.063	0.081					0.13					0.022		
Part 360 Volatile Organics																										
1,1,1,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
1,1,1-Trichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,1,2,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,1,2-Trichloroethane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,1-Dichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,1-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,2,3-Trichloropropane (µg/L)	0.04							<5.0					<5.0	<5.0					<5					<1		
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<10.0					<5.0					<5.0	<5.0					<5					<1		
1,2-Dibromoethane (EDB) (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
1,2-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1		
1,2-Dichloroethane (µg/L)	0.6		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,2-Dichloropropane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,4-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1		
2-Butanone (MEK) (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		

City of Rome
Tannery Road Landfill
MW-9S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05
2-Hexanone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		
4-Methyl 2-pentanone (µg/L)	NS		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		
Acetone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		
Acrylonitrile (µg/L)	5		<100.0					<20.0					<20.0	<20.0					<20					<5		
Benzene (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Bromochloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
Bromodichloromethane (µg/L)	50 (GV)		<5.0										<5.0	<5.0				<5	<5					<1		
Bromoform (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Bromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Carbon disulfide (µg/L)	60 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Carbon tetrachloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chlorobenzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chloroform (µg/L)	7		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
cis-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Dibromochloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Dibromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
Ethyl benzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Iodomethane (µg/L)	5		<5.0					<20.0					<20.0	<10.0					<10					<10		
Methylene Chloride (µg/L)	5		<5.0					<10.0					<10.0	<10.0				<10	<10					<10		
Styrene (µg/L)	5							<5.0					<5.0	<5.0				<5	<5					<1		
Tetrachloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Toluene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
trans-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
trans-1,4-Dichloro-2-butene (µg/L)	5		<10.0					<50.0					<50.0	<10.0					<10					<10		
Trichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Trichlorofluoromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
Vinyl Acetate (µg/L)	NS		<50.0					<20.0					<20.0	<20.0					<20					<5		
Vinyl Chloride (µg/L)	2		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Xylenes (Total) (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,2-Dichloroethene - Total	5																	<5								

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-9S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	6/28/05	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/08	6/19/08	9/23/08	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010
Field Parameters																					
Conductivity (µmhos/cm)	NS	404	404	380	390	350	391	375	387	367	354	385	394	383	361	415	388	377	378	392	397
pH (s.u.)	6.5 - 8.5	7.3	7.5	6.7	7.7	8.1	7.83	7.11	7.08	7.29	7.05	6.95	7.3	7.13	7.51	7.48	6.92	7.11	6.97	6.76	7.08
Redox (mV)																					
Temperature (deg C)	NS		12	8	7	14	12.5	9.3	6.7	11.4	11.7	7.1	5.2	10.2	12.4	6.6	6	11.5	11.5	8.1	6.5
Turbidity (NTU)	5	**614**	**206**	**270**	**480**	**37**	-	**70**	**385**	**80**	**43**	**45**	**25**	**83**	**26**	**80**	**203**	**12**	**15**	4	**30**
Part 360 Leachate Indicator Parameters																					
Ammonia-Nitrogen (mg/L)	2	0.31	0.26	0.18	0.18	0.24	0.19	0.14	0.13	0.2	0.14	<0.03	0.084	0.17	0.063	<0.03	0.094	0.22	0.15	0.25	1.44
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	4.6	6.2	<4	<4	<4.0	8.9	<4	<4	4	<4	<4	<5	<4	<4	<4	<4	<4	<4.0	<4.0	<2.0
Bromide (mg/L)	2	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<1.0
Chemical Oxygen Demand (mg/L)	NS	65	66	78	58	79	97	65	83	77	48	48	47	52	43	57	39	39	40	36	49.7
Chloride (mg/L)	250	4.2	3.4	3.4	3.4	3.1	3.6	3	3.2	3.2	2.5	4	<2	3.3	2.7	3.6	3.2	3.1	3.2	3	1.2
Color (Pt-Co)	15			**800**	**1,500**					**200**					**200**					**100**	**70**
Nitrate-Nitrogen (mg/L)	10	0.13	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.04	0.15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.26
Sulfate (mg/L)	250	3.2	1.8	3.3	7.5	5.4	2.3	3.8	5.6	2.9	1.6	4.6	9.7	7.2	3.2	5.8	5.2	9.4	3.3	3.8	14.3
Total Alkalinity (mg/L)	NS	210	220	230	220	230	240	230	280	230	230	320	210	240	240	250	250	220	220	220	235
Total Cyanide (mg/L)	0.2			<0.01	<0.01					<0.01					<0.01					<0.01	<0.010
Total Dissolved Solids (mg/L)	500	310	310	340	300	290	330	270	300	310	280	270	300	360	360	290	260	310	**2,100**	260	305
Total Hardness (mg/L)	NS	120	250	290	210	400	360	240	320	420	210	150	430	170	280	180	310	160	190	390	139
Total Kjeldahl Nitrogen (mg/L)	NS	0.89	0.59	0.59	0.38	0.63	1.1	6.1	0.82	0.66	0.65	0.49	0.64	1.3	0.64	0.55	0.67	0.81	0.66	0.59	<1.0
Total Organic Carbon (mg/L)	NS	28	25	25	22	26	25	22	25	22	24	19	19	24	20	17	22	20	20	16	18.7
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.05	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.002
Part 360 Routine Metals																					
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	0.00023
Calcium (mg/L)	NS	41	75	89	65	120	110	74	91	43	70	77	120	45	87	59	94	54	65	120	48.3
Iron (mg/L)	0.3*	**3.2**	**14**	**12**	**13**	**12**	**21**	**3.1**	**18**	**25**	**6.8**	**8.6**	**24**	**22**	**10**	**5.7**	**9.8**	**3.9**	**5.4**	**12**	**0.364**
Lead (mg/L)	0.025	**0.046**	**0.043**	<0.01	<0.01	0.014	0.021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.014	<0.01	<0.010	<0.01	<0.002
Magnesium (mg/L)	35 (GV)	5.2	15	16	12	26	24	12	21	16	9.5	13	30	14	15	9	20	4.9	6.9	24	4.49
Manganese (mg/L)	0.3*	**0.35**	**0.89**	**0.86**	**0.76**	**1.4**	0.026	**0.68**	**1.1**	**0.52**	**0.71**	**0.81**	**1.7**	**0.51**	**0.95**	**0.57**	**1.2**	**0.47**	**0.58**	**1.3**	**0.466**
Potassium (mg/L)	NS	3.4	4.1	3.1	7	2.7	4	<1	4.4	3.2	2	3.1	3.7	27	2.9	4	3.6	3.1	2.4	2.4	2.13
Sodium (mg/L)	20	**43**	**30**	**26**	**51**	**34**	**37**	**34**	**44**	**29**	19	**31**	**43**	**21**	**45**	**37**	**32**	**42**	**25**	**31**	**32.3**
Part 360 Additional Baseline Metals																					
Aluminum (mg/L)	NS			5.6	9					1.4					3.9					4.8	0.132
Antimony (mg/L)	0.003			<0.01	<0.01					<0.01					<0.01					<0.01	<0.020
Arsenic (mg/L)	0.025			**0.029**	<0.01					<0.01					<0.01					<0.01	<0.002
Barium (mg/L)	1			0.11	<0.2					0.23					<0.2					0.11	0.067
Beryllium (mg/L)	0.003 (GV)			<0.01	<0.01					<0.01					<0.01					<0.01	<0.00014
Boron (mg/L)	1			<0.5	<0.5					0.73					<0.5					<0.5	0.012
Chromium (mg/L)	0.05			0.012	0.017					0.013					<0.01					0.013	<0.005
Chromium, Hexavalent (mg/L)	0.05			<0.01	<0.01					<0.01					<0.01					<0.01	<0.020
Cobalt (mg/L)	NS			<0.01	<0.01					<0.01					<0.01					<0.01	<0.000
Copper (mg/L)	0.2			0.02	0.033					0.019					0.018					0.074	0.018
Mercury (mg/L)	0.0007			<0.0002	<0.0002					<0.0002					<0.0002					<0.0002	<0.00007
Nickel (mg/L)	0.1			0.012	0.02					0.01					<0.01					0.02	0.007
Selenium (mg/L)	0.01			<0.01	<0.01					<0.01					<0.01					<0.01	<0.003
Silver (mg/L)	0.05			<0.01	<0.01					**0.05**					<0.01					<0.01	<0.003
Thallium (mg/L)	0.0005 (GV)			<0.01	<0.01					<0.01					<0.01					<0.02	**0.021**
Vanadium (mg/L)	NS			0.012	0.017					0.012					0.011					0.012	0.005
Zinc (mg/L)	2			0.039	0.045					0.035					0.036					0.051	0.007
Part 360 Volatile Organics																					
1,1,1,2-Tetrachloroethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
1,1,1-Trichloroethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
1,1,2,2-Tetrachloroethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
1,1,2-Trichloroethane (µg/L)	1			<1	<1					<1.0					<1					<1	<5.0
1,1-Dichloroethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
1,1-Dichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
1,2,3-Trichloropropane (µg/L)	0.04			<1	<1					<1.0					<1					<1	<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04			<1	<1					<1.0					<1					<1	<10
1,2-Dibromoethane (EDB) (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
1,2-Dichlorobenzene (µg/L)	3			<1	<1					<1.0					<1					<1	<5.0
1,2-Dichloroethane (µg/L)	0.6			<1	<1					<1.0					<1					<1	<5.0
1,2-Dichloropropane (µg/L)	1			<1	<1					<1.0					<1					<1	<5.0
1,4-Dichlorobenzene (µg/L)	3			<1	<1					<1.0					<1					<1	<5.0
2-Butanone (MEK) (µg/L)	50 (GV)			<5	<5					<5.0					<10					<10	<10

Parameter	NYSDEC Ground Water Standard	6/28/05	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/08	6/19/08	9/23/08	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010
2-Hexanone (µg/L)	50 (GV)			<5	<5					<5.0					<10					<10	<10
4-Methyl 2-pentanone (µg/L)	NS			<5	<5					<5.0					<10					<10	<10
Acetone (µg/L)	50 (GV)			<10	<5					<5.0					<10					<10	<10
Acrylonitrile (µg/L)	5			<20	<20					<20					<20					<20	<25
Benzene (µg/L)	1			<1	<1					<1.0					<1					<1	<5.0
Bromochloromethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
Bromodichloromethane (µg/L)	50 (GV)			<1	<1					<1.0					<1					<1	<5.0
Bromoform (µg/L)	50 (GV)			<1	<1					<1.0					<1					<1	<5.0
Bromomethane (µg/L)	5			<1	<1					<1.0					<1					<1	<10
Carbon disulfide (µg/L)	60 (GV)			<1	<1					<1.0					<1					<1	<5.0
Carbon tetrachloride (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
Chlorobenzene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
Chloroethane (µg/L)	5			<1	<1					<1.0					<1					<1	<10
Chloroform (µg/L)	7			<1	<1					<1.0					<1					<1	<5.0
Chloromethane (µg/L)	5			<1	<1					<1.0					<1					<1	<10
cis-1,2-Dichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**			<1	<1					<1.0					<1					<1	<5.0
Dibromochloromethane (µg/L)	50 (GV)			<1	<1					<1.0					<1					<1	<5.0
Dibromomethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
Ethyl benzene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
Iodomethane (µg/L)	5			<5	<5					<5.0					<5					<5	<10
Methylene Chloride (µg/L)	5			<5	<1					<1.0					<1					<1	<5.0
Styrene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
Tetrachloroethene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
Toluene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
trans-1,2-Dichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**			<1	<1					<1.0					<1					<1	<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5			<5	<5					<5.0					<5					<5	<10
Trichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
Trichlorofluoromethane (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
Vinyl Acetate (µg/L)	NS			<5	<5					<5.0					<5					<5	<10
Vinyl Chloride (µg/L)	2			<1	<1					<1.0					<1					<1	<10
Xylenes (Total) (µg/L)	5			<1	<1					<1.0					<1					<1	<5.0
1,2-Dichloroethene - Total	5																				

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guid
6) ** Indicates standard applies to the sum of the isomers

Parameter	NYSDEC Ground Water Standard	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021
Field Parameters													
Conductivity (µmhos/cm)	NS	389	372	371	433	393	370	140	380	370	350	422.7	399
pH (s.u.)	6.5 - 8.5	7.38	7.18	**6.12**	**6.39**	6.74	**5.5**	**6.1**	7.32	7.4	7.3	6.95	7.57
Redox (mV)									66.2			11.5	121.8
Temperature (deg C)	NS	11.2	13.1	7.5	5	11.1	14	6	6.5	12	14	8.5	6.9
Turbidity (NTU)	5	0	**148**	**253**	**141**	**9**	**40**	**150**	**280**	**130**	**10**	**30**	**11.3**
Part 360 Leachate Indicator Parameters													
Ammonia-Nitrogen (mg/L)	2	<0.1	0.2	<0.1	<0.1	0.2	0.2	<0.1	<0.1	0.1	0.1	<0.1	<0.1
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	2	<4.0	<4.0	<4.0	3	3.9	3.6	2.7	3.7	3	<4.0	<4.0
Bromide (mg/L)	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	38	59	34	58	38	61	49	68	59	51	44	42
Chloride (mg/L)	250	1.05	<1.0	1.72	1.04	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0
Color (Pt-Co)	15				**>70**	**70**	**>70**	**70**	**130**	**140**	**200**	**130**	**90**
Nitrate-Nitrogen (mg/L)	10	<0.020	<0.020	<0.02	<0.020	<0.02	0.05	0.13	<0.04	<0.04	<0.04	<0.04	<0.04
Sulfate (mg/L)	250	5.18	<2.0	3.18	6.18	2.57	14.2	3.74	2.64	4.81	<2.0	<4.0	6.04
Total Alkalinity (mg/L)	NS	225	220	235	230	217	230	230	250	240	240	230	240
Total Cyanide (mg/L)	0.2				<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Dissolved Solids (mg/L)	500	280	307	332	312	350	275	220	235	345	260	170	250
Total Hardness (mg/L)	NS	340	496	447	290	702	160	116	252	221	204	169	241
Total Kjeldahl Nitrogen (mg/L)	NS	6.7	1.1	<1.0	2.8	1.1	<1.0	<1.0	2.8	<1.0	<1.0	1.4	<1.0
Total Organic Carbon (mg/L)	NS	18.7	19.5	18.6	19.2	20.4	23.9	21.2	19.4	18.4	20.5	17.1	62.8
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.003**	<0.002	<0.002	<0.004	<0.004	<0.004
Part 360 Routine Metals													
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.005	0.00021	0.00041	0.00027	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (mg/L)	NS	100	137	126	94.9	184	54.3	40.4	84.9	70.7	67.5	56.6	76.8
Iron (mg/L)	0.3*	**18.8**	**36.3**	**31**	**2.72**	**58.6**	**5.29**	**0.614**	**2.38**	**3.78**	**3.59**	**1.75**	**2.56**
Lead (mg/L)	0.025	<0.005	<0.005	0.007	0.0029	0.0022	<0.002	0.021	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	35 (GV)	21.7	**37.3**	32.3	13	**58.9**	5.92	3.76	9.67	10.8	8.6	6.85	12
Manganese (mg/L)	0.3*	**1.34**	**1.97**	**1.66**	**0.955**	**2.57**	**0.601**	0.179	**0.744**	**0.74**	**0.697**	**0.485**	**0.694**
Potassium (mg/L)	NS	4.31	5	4.91	1.68	6.71	2.86	3.39	2.81	3.73	3.04	3.87	4.49
Sodium (mg/L)	20	**29**	**20.8**	**27.9**	**21.4**	**24.7**	**34.9**	**52.5**	**40.9**	**34.5**	16.5	**31.4**	**35.9**
Part 360 Additional Baseline Metals													
Aluminum (mg/L)	NS				0.392	31.2	0.305	0.194	0.384	0.644	0.516	0.486	0.373
Antimony (mg/L)	0.003				<0.0196	<0.0011	<0.002	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.025				0.0035	<0.0022	0.003	<0.005	0.006	<0.005	<0.005	<0.005	<0.005
Barium (mg/L)	1				0.102	0.233	0.094	0.066	0.126	0.096	0.1	0.089	0.101
Beryllium (mg/L)	0.003 (GV)				0.00023	0.0012	<0.0001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Boron (mg/L)	1				0.0046	<0.00057	0.003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium (mg/L)	0.05				<0.0047	0.0602	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Hexavalent (mg/L)	0.05				<0.020	<0.02	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Cobalt (mg/L)	NS				0.001	0.0242	<0.001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper (mg/L)	0.2				0.0103	0.157	<0.001	0.02	0.008	0.011	0.006	<0.005	0.012
Mercury (mg/L)	0.0007				<0.00006	<0.0001	<0.15	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (mg/L)	0.1				0.0039	0.0663	0.0046	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium (mg/L)	0.01				<0.0025	<0.0015	<0.003	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver (mg/L)	0.05				<0.0028	<0.0014	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (mg/L)	0.0005 (GV)				**0.032**	**0.0028**	<0.003	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium (mg/L)	NS				<0.0049	0.0534	<0.011	<0.02	<0.02	<0.020	<0.02	<0.02	<0.02
Zinc (mg/L)	2				0.0113	0.156	0.01	<0.01	0.012	0.011	<0.01	<0.01	<0.01
Part 360 Volatile Organics													
1,1,1,2-Tetrachloroethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane (µg/L)	1				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane (µg/L)	0.04				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04				<10	<10	<10	<10	<10	<10	<5.0	<5.0	<5.0
1,2-Dibromoethane (EDB) (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene (µg/L)	3				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane (µg/L)	0.6				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloropropane (µg/L)	1				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene (µg/L)	3				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone (MEK) (µg/L)	50 (GV)				<10	<10	<10	<10	<10	<10	<5.0	<5.0	<5.0

City of Rome
Tannery Road Landfill
MW-9S
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021
2-Hexanone (µg/L)	50 (GV)				<10	<10	<10	<10	<10	<10	<5.0	<5.0	<5.0
4-Methyl 2-pentanone (µg/L)	NS				<10	<10	<10	<10	<10	<10	<5.0	<5.0	<5.0
Acetone (µg/L)	50 (GV)				<10	<10	<10	<10	<10	<10	<5.0	<5.0	<5.0
Acrylonitrile (µg/L)	5				<25	<25	<25	<25	<25	<25	<5.0	<5.0	<5.0
Benzene (µg/L)	1				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromochloromethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane (µg/L)	50 (GV)				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform (µg/L)	50 (GV)				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane (µg/L)	5				<10	<10	<10	<10	<10	<10	<5.0	<5.0	<5.0
Carbon disulfide (µg/L)	60 (GV)				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane (µg/L)	5				<10	<10	<10	<10	<10	<10	<5.0	<5.0	<5.0
Chloroform (µg/L)	7				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane (µg/L)	5				<10	<10	<10	<10	<10	<10	<5.0	<5.0	<5.0
cis-1,2-Dichloroethene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane (µg/L)	50 (GV)				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromomethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Ethyl benzene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Iodomethane (µg/L)	5				<10	<10	<10	<10	<10	<10	<5.0	<5.0	<5.0
Methylene Chloride (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5				<10	<10	<10	<10	<10	<10	<5.0	<5.0	<5.0
Trichloroethene (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Trichlorofluoromethane (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Acetate (µg/L)	NS				<10	<10	<10	<10	<10	<10	<5.0	<5.0	<5.0
Vinyl Chloride (µg/L)	2				<10	<10	<10	<10	<10	<10	<5.0	<5.0	<5.0
Xylenes (Total) (µg/L)	5				<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethene - Total	5												

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guid
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Leachate Well LMW-10
Analytical Data

Parameter	NYSDEC Ground Water Standard	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05	6/28/05	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07
Field Parameters																							
Conductivity (µmhos/cm)	NS	4,940	4,970	5,440	3,780	4,050	4,810	5,600	4,300	4,810	5,990	3,480	4,743	5,320	4,787	4,570	3,600	5,800	6,400	2,110	5,160	1,420	3,860
pH (s.u.)	6.5 - 8.5	**6.48**	6.63	7		6.6	6.5	6.78	**6.4**	6.59	**6.14**	**6.22**	6.5	7.03	6.57	6.99	**6.3**	7	8	7.17	6.69	**6**	6.57
Redox	NS																						-80
Temperature (deg C)	NS	12.8	15.2	17.2	10.4	7.6	19.7	15.8	9	12.8	16	16.8	10	13		15.5	12	14	18	15.1	13.5	11.3	16
Turbidity (NTU)	5	**356**	**183**	**585**	**164**	**207**	**383**	**47**	**430**	**189**	**10**	**73**	**189**	**246**	**236**	**100**	**68**	**168**	**600**	-	**81**	0	**67**
Part 360 Leachate Indicator Parameters																							
Ammonia-Nitrogen (mg/L)	2	**200**	**260**	**270**	**200**	**280**	**280**	**270**	**230**	**380**	**350**	**160**	**260**	**290**	**300**	**300**	**230**	**340**	**330**	**160**	**280**	**60**	**320**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	38	24	46	34	30	20	36	43	28	32	31	41	<4.0	31	36	24	39	36	36	35	<20	40
Bromide (mg/L)	2	**2.6**	**3**	**3.9**	1.9	**2.1**	**3.2**	**3.8**	**2.3**	**3.7**	**4.2**	**2.5**	**3.3**	**4.2**	**2.7**	**3**	**2.2**	**17**	<0.10	1.6	**5.9**	<0.1	**3.9**
Chemical Oxygen Demand (mg/L)	NS	420	250	3,200	270	340	490	640	270	300	470	290	490	670	440	430	240	240	71	200	560	105	105
Chloride (mg/L)	250	**440**	**430**	**610**	**380**	200	**450**	**550**	**260**	**450**	**600**	**280**	**410**	**560**	**410**	**470**	**340**	**570**	**600**	220	**590**	67	**650**
Color (Pt-Co)	15	**1,400**					**600**					**950**					**500**	**1,500**					**1,000**
Nitrate-Nitrogen (mg/L)	10	<0.1	0.16	0.17	<0.1	<0.1	0.15	0.76	0.54	<0.1	<0.1	0.2	0.28	0.27	0.19	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1
Sulfate (mg/L)	250	2.9	2.2	3.6	2.2	2.3	2.5	<1	2.3	3.6	1.4	2.1	2	1.8	2.3	60	<1	2.5	2.8	2.2	<1	3.1	3.1
Total Alkalinity (mg/L)	NS	1,700	1,900	2,200	1,500	1,600	1,800	2,000	1,500	2,000	2,100	1,900	1,900	2,400	2,500	1,200	1,900	2,400	2,700	1,400	2,900	570	2,000
Total Cyanide (mg/L)	0.2	<0.01					<0.01					<0.01					<0.01	<0.01					<0.01
Total Dissolved Solids (mg/L)	500	**1,900**	**2,100**	**2,500**	**1,500**	**1,400**	**2,200**	**2,500**	**1,200**	**2,200**	**2,400**	**1,700**	**1,900**	**2,700**	**2,000**	**2,100**	**1,800**	**2,600**	**2,600**	**1,200**	**2,700**	**590**	**2,600**
Total Hardness (mg/L)	NS	580	580	690	480	550	750	790	430	700	590	480	520	660	670	450	600	740	690	460	800	270	310
Total Kjeldahl Nitrogen (mg/L)	NS	290	220	320	220	280	300	330	350	330	380	260	220	310	270	260	210	330	390	150	280	60	280
Total Organic Carbon (mg/L)	NS	160	150	230	99	120	120	230	110	180	240	75	160	230	200	120	13	210	270	84	180	28	230
Total Phenols (mg/L)	0.001	**0.016**	**0.02**	**0.015**	**0.026**	<0.002	**0.015**	**0.013**	**0.017**	**0.017**	**0.021**	**0.02**	**0.016**	<0.01	<0.002	**0.0022**	<0.002	<0.002	<0.002	<0.002	<0.05	**0.0062**	**0.013**
Part 360 Routine Metals																							
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	120	120	140	100	110	150	150	91	120	110	110	97	110	120	91	120	120	130	100	130	73	100
Iron (mg/L)	0.3*	**62**	**60**	**70**	**48**	**58**	**61**	**68**	**52**	**38**	**47**	**49**	**35**	**45**	**35**	**45**	**34**	**35**	**49**	**39**	**16**	**32**	**38**
Lead (mg/L)	0.025	**0.049**	**0.031**	**0.04**	0.022	**0.041**	<0.01	0.014	0.022	**0.028**	<0.01	<0.01	<0.01	0.017	<0.01	**0.26**	0.014	**0.03**	**0.036**	0.021	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	**68**	**67**	**83**	**53**	**65**	**94**	**100**	**50**	**96**	**75**	**53**	**67**	**92**	**92**	**54**	**74**	**110**	**91**	**51**	**110**	20	**65**
Manganese (mg/L)	0.3*	**1.3**	**1.5**	**2.4**	**1.6**	**1.5**	**1.7**	**2.7**	**1.3**	**0.74**	**1.5**	**1.6**	**0.85**	**1**	**0.62**	**1.4**	**0.76**	**0.55**	**1.2**	0.029	0.26	**0.98**	**0.98**
Potassium (mg/L)	NS	190	200	340	180	230	230	410	220	350	330	320	380	330	320	280	250	280	300	160	240	40	370
Sodium (mg/L)	20	**430**	**460**	**600**	**250**	**270**	**420**	**630**	**250**	**500**		**230**	**470**	**580**	**410**	**270**	**380**	**370**	**490**	**230**	**580**	**50**	**430**
Part 360 Additional Baseline Metals																							
Aluminum (mg/L)	NS	2.4					0.9					0.28					0.96	1.4					0.93
Antimony (mg/L)	0.003	<0.01					<0.01					**0.012**					<0.01	<0.01					<0.01
Arsenic (mg/L)	0.025	0.02					**0.038**					0.022					**0.03**	<0.01					<0.01
Barium (mg/L)	1	<0.2					0.32					0.25					0.47	0.75					0.37
Beryllium (mg/L)	0.003 (GV)	<0.01					<0.01					<0.01					<0.01	<0.01					<0.01
Boron (mg/L)	1	**2.5**	**2.7**	**3.7**			**3.4**	**4.4**	**1.6**	**3.8**		**1.7**					**2.3**	**3.8**					**2.3**
Chromium (mg/L)	0.05	0.031					0.019					<0.01					0.017	0.02					<0.01
Chromium, Hexavalent (mg/L)	0.05	<0.01					<0.01					<0.01					0.013	<0.01					0.017
Cobalt (mg/L)	NS	0.012					0.017					<0.01					0.012	0.018					0.021
Copper (mg/L)	0.2	0.052					0.013					<0.01					0.018	**0.024**					<0.04
Mercury (mg/L)	0.0007	0.0002					<0.0002					<0.0002					<0.0002	<0.0002					<0.0002
Nickel (mg/L)	0.1	0.062					0.049					0.024					0.029	0.046					0.036
Selenium (mg/L)	0.01	<0.01					<0.01					<0.01					<0.01	**0.013**					<0.01
Silver (mg/L)	0.05	<0.01					<0.01					<0.01					<0.01	<0.01					**0.057**
Thallium (mg/L)	0.0005 (GV)	<0.01					<0.01					<0.01					<0.01	<0.01					<0.01
Vanadium (mg/L)	NS	<0.01					0.012					0.013					0.013	0.025					0.032
Zinc (mg/L)	2	0.16					0.11					0.099					0.052	0.061					0.089
Part 360 Volatile Organics																							
1,1,1,2-Tetrachloroethane (µg/L)	5	<5.0					<5					<1					<5	<5					<5.0
1,1,1-Trichloroethane (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0
1,1,2,2-Tetrachloroethane (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0
1,1,2-Trichloroethane (µg/L)	1	<5.0				<5	<5					<1					<5	<5					<5.0
1,1-Dichloroethane (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0
1,1-Dichloroethene (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0
1,2,3-Trichloropropane (µg/L)	0.04	<5.0					<5					<1					<5	<5					<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<5.0					<5					<1					<5	<5					<5.0
1,2-Dibromoethane (EDB) (µg/L)	5	<5.0					<5					<1					<5	<5					<5.0
1,2-Dichlorobenzene (µg/L)	3	<5.0					<5					<1					<5	<5					<5.0
1,2-Dichloroethane (µg/L)	0.6	<5.0				<5	<5					<1					<5	<5					<5.0

City of Rome
Tannery Road Landfill
Leachate Well LMW-10
Analytical Data

Parameter	NYSDEC Ground Water Standard	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	3/22/05	6/28/05	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07
1,2-Dichloropropane (µg/L)	1	<5.0				<5	<5					<1					<5	<5					<5.0
1,4-Dichlorobenzene (µg/L)	3	<5.0					<5					**3.7**					<5	<5					<5.0
2-Butanone (MEK) (µg/L)	50 (GV)	<10.0				<10	<10					<10					<20	<50					<5.0
2-Hexanone (µg/L)	50 (GV)	<10.0				<10	<10					<10					<20	<50					<5.0
4-Methyl 2-pentanone (µg/L)	NS	<10.0					<10					<10					<20	<50					<5.0
Acetone (µg/L)	50 (GV)	18				28	13					<10					<50	<50					<5.0
Acrylonitrile (µg/L)	5	<20.0					<20					<5					<100	<200					<200
Benzene (µg/L)	1	**5.5**				**5.7**	<5					**5**					**6.2**	**7.7**					**7**
Bromochloromethane (µg/L)	5	<5.0					<5					<1					<5	<5					<5.0
Bromodichloromethane (µg/L)	50 (GV)	<5.0				<5	<5					<1					<5	<5					<5.0
Bromoform (µg/L)	50 (GV)	<5.0				<5	<5					<1					<5	<5					<5.0
Bromomethane (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0
Carbon disulfide (µg/L)	60 (GV)	<5.0				<5	<5					<1					<5	<5					<5.0
Carbon tetrachloride (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0
Chlorobenzene (µg/L)	5	<5.0				<5	<5					4.1					**5.3**	<5					<5.0
Chloroethane (µg/L)	5	**33**				**33**	**22**					**22**					**24**	**20**					<5.0
Chloroform (µg/L)	7	<5.0				<5	<5					<1					<5	<5					<5.0
Chloromethane (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0
cis-1,2-Dichloroethene (µg/L)	5	<5.0					<5					<1					<5	<5					<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**	<5.0				<5	<5					<1					<5	<5					<5.0
Dibromochloromethane (µg/L)	50 (GV)	<5.0				<5	<5					<1					<5	<5					<5.0
Dibromomethane (µg/L)	5	<5.0					<5					<1					<5	<5					<5.0
Ethyl benzene (µg/L)	5	**29**				<5	<5					<1					<5	<5					<5.0
Iodomethane (µg/L)	5	<10.0					<10					<10					<20	<50					<5.0
Methylene Chloride (µg/L)	5	<10.0				<10	<10					<10					<20	<5					<5.0
Styrene (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0
Tetrachloroethene (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0
Toluene (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0
trans-1,2-Dichloroethene (µg/L)	5	<5.0					<5					<1					<5	<5					<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**	<5.0				<5	<5					<1					<5	<5					<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5	<10.0					<10					<10					<20	<50					<5.0
Trichloroethene (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0
Trichlorofluoromethane (µg/L)	5	<5.0					<5					<1					<5	<5					<5.0
Vinyl Acetate (µg/L)	NS	<20.0					<20					<5					<20	<50					<5.0
Vinyl Chloride (µg/L)	2	<5.0				<5	<5					<1					<5	<5					<5.0
Xylenes (Total) (µg/L)	5	**75**				**96**	**28**					**63**					**69**	**26**					**63**
1,2-Dichloroethene - Total	5					<5																	

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers
7) J indicates estimated concentration based on QC data

City of Rome
Tannery Road Landfill
Leachate Well LMW-10
Analytical Data

Parameter	NYSDEC Ground Water Standard	9/25/07	12/17/07	3/27/08	6/19/08	9/23/08	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014
Field Parameters																			
Conductivity (µmhos/cm)	NS	5,410	6,070	4,780	4,430	5,160	4,590	5,050	5,100	1,450	1260	5,660	4,430	5,290	2850	3,100	2,770	1,700	2,400
pH (s.u.)	6.5 - 8.5	6.59	6.65	6.71	**6.44**	6.93	7.4	**6.35**	6.5	6.6	**6.08**	**6.43**	7.77	7.53	6.68	**6.23**	**6.35**	6.5	6.6
Redox	NS																		
Temperature (deg C)	NS	15.4	10.2	13.5	14.9	15.3	13	13.9	14	14.5	11.8	11.5	15.5	14.3	10.4	12.3	15	14	7
Turbidity (NTU)	5	**101**	**134**	**60**	**51**	0	**27**	**35**	**35**	**180**	**10**	**16**	**57**	**96**	**10**	**39**	0	**40**	**10**
Part 360 Leachate Indicator Parameters																			
Ammonia-Nitrogen (mg/L)	2	**350**	**290**	**260**	**320**	**260**	**280**	**260**	**49**	**270**	**54**	**310**	**148**	**235**	**158**	**167**	**150**	**86.4**	**109**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	30	31	29	32	52	36	46	12	40	20	22	29	>175	35	38	36	35	20
Bromide (mg/L)	2	**3.5**	**2.1**	**2.7**	**3.3**	**4.1**	**3.3**	**3**	<0.1	**4.3**	<0.1	<1.0	<1.0	**2.62**	<1.0	<1.0	<1.0	<1.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	700	420	380	590	140	490	430	56	430	64	635	507	613	258	247	221	127	117
Chloride (mg/L)	250	**580**	**410**	**560**	**540**	**610**	**540**	**580**	34	**520**	83	**250**	**508**	**516**	188	195	231	99.2	97.3
Color (Pt-Co)	15					**400**					**25**	**70**				**>70**	**>70**	**30**	**70**
Nitrate-Nitrogen (mg/L)	10	<0.1	<0.1	<0.2	0.2	0.22	<0.1	<0.1	<0.1	<0.1	<0.1	1.56	0.16	<0.020	<0.02	0.15	<0.02	0.26	<0.02
Sulfate (mg/L)	250	1.8	26	<10	1.9	2	<1	2	<1	2.7	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0
Total Alkalinity (mg/L)	NS	2,200	1,600	1,700	2,200	2,400	2,300	2,300	210	1,900	620	2,200	2,100	2,300	1210	1210	1,240	22	830
Total Cyanide (mg/L)	0.2					0.01					<0.01	<0.010				<0.01	<0.01	<0.010	<0.01
Total Dissolved Solids (mg/L)	500	**2,300**	**1,900**	**2,400**	**2,200**	**2,700**	**2,400**	**2,300**	430	300	**610**	**1,240**	**2,160**	**2,300**	**1,090**	**1,090**	**1,180**	**1,200**	**650**
Total Hardness (mg/L)	NS	690	530	670	590	570	610	630	240	750	340	358	730	724	379	393	467	954	318
Total Kjeldahl Nitrogen (mg/L)	NS	350	270	270	310	270	260	260	53	260	54	25.2	260	231	171	169	123	83.7	104
Total Organic Carbon (mg/L)	NS	240	160	210	230	210	200	200	23	120	37	220	194	183	66.6	64	88.2	37.1	38.2
Total Phenols (mg/L)	0.001	**0.015**	0.02	**0.011**	**0.016**	**0.014**	**0.01**	**0.012**	**0.086 J**	**0.009**	0.01	**0.003**	0.007	0.018	**0.01**	**0.018**	**0.005**	**0.009**	**0.01**
Part 360 Routine Metals																			
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.00013	<0.005	<0.005	<0.005	0.00015	<0.00021	<0.00015	<0.005
Calcium (mg/L)	NS	120	120	130	120	120	100	120	70	130	100	85.3	122	125	69.2	83.2	112	161	82.1
Iron (mg/L)	0.3*	**35**	**55**	**41**	**55**	**40**	**32**	**38**	**41**	**43**	**47**	**33.9**	**26.9**	**35.6**	**30.2**	**21.2**	**41.8**	**65.8**	**25.2**
Lead (mg/L)	0.025	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.03	0.017	**0.046**	<0.01	<0.002	<0.005	<0.005	0.014	0.0046	0.0063	0.003	<0.005
Magnesium (mg/L)	35 (GV)	**88**	**54**	**85**	**69**	**78**	**87**	**79**	16	**100**	22	**35.2**	**103**	**100**	**35**	**45**	**45.5**	**35.9**	27.3
Manganese (mg/L)	0.3*	**1.2**	**1.1**	**70**	**1.5**	**0.69**	**0.34**	**0.4**	**0.73**	**0.43**	**1**	**0.678**	0.269	**0.387**	**0.759**	**0.743**	**1.03**	**0.911**	**0.807**
Potassium (mg/L)	NS	380	170	310	220	270	250	330	28	390	39	101	368	222	99.2	127	125	134	74
Sodium (mg/L)	20	**520**	**200**	**450**	**330**	**340**	**350**	**450**	**31**	**670**	**55**	**112**	**371**	**346**	**124**	**146**	**116**	**130**	**84.2**
Part 360 Additional Baseline Metals																			
Aluminum (mg/L)	NS					0.91					0.34	0.106				0.0346	0.165	0.032	<0.1
Antimony (mg/L)	0.003					<0.01					<0.01	<0.020				<0.0196	<0.0011	<0.002	<0.06
Arsenic (mg/L)	0.025					<0.01					<0.01	<0.002				<0.0015	<0.0022	<0.002	<0.005
Barium (mg/L)	1					0.51					0.17	0.302				0.0904	0.151	0.174	0.08
Beryllium (mg/L)	0.003 (GV)					<0.01					<0.01	<0.00014				<0.00014	<0.00016	<0.0001	<0.005
Boron (mg/L)	1					**2.8**					<0.5	**1.03**				**1.28**	**1.16**	0.754	0.686
Chromium (mg/L)	0.05					<0.01					<0.01	<0.005				0.0081	<0.0051	0.006	<0.005
Chromium, Hexavalent (mg/L)	0.05					0.016					<0.01	<0.020				<0.020	<0.02	<0.020	<0.02
Cobalt (mg/L)	NS					0.013					<0.01	0.005				0.0059	0.0058	0.003	<0.05
Copper (mg/L)	0.2					<0.01					0.011	<0.003				0.0042	<0.0025	<0.001	<0.005
Mercury (mg/L)	0.0007					<0.0002					<0.0002	<0.00007				<0.00006	<0.0001	<0.15	<0.0002
Nickel (mg/L)	0.1					0.042					0.019	0.016				0.0177	0.0137	0.00079	<0.02
Selenium (mg/L)	0.01					<0.01					<0.01	<0.003				<0.0025	<0.0015	<0.003	<0.005
Silver (mg/L)	0.05					<0.01					<0.01	<0.003				<0.0028	<0.0014	<0.003	<0.01
Thallium (mg/L)	0.0005 (GV)					<0.01					<0.02	**0.038**				**0.0219**	<0.0018	0.008	<0.01
Vanadium (mg/L)	NS					0.023					<0.01	<0.005				<0.0049	0.006	<0.011	<0.02
Zinc (mg/L)	2					0.072					0.026	0.005				0.0082	0.0068	0.006	<0.01
Part 360 Volatile Organics																			
1,1,1,2-Tetrachloroethane (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane (µg/L)	1					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane (µg/L)	0.04					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane (µg/L)	0.04					<1					<1	<10				<10	<10	<10	<10
1,2-Dibromoethane (EDB) (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene (µg/L)	3					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane (µg/L)	0.6					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0

Parameter	NYSDEC Ground Water Standard	9/25/07	12/17/07	3/27/08	6/19/08	9/23/08	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009	3/24/2010	6/23/2010	9/22/2010	12/21/2010	3/29/2011	6/18/2012	9/16/2013	12/4/2014
1,2-Dichloropropane (µg/L)	1					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene (µg/L)	3					1.4					**6.6**	<5.0				<5.0	**3.1**	**6.9**	**7**
2-Butanone (MEK) (µg/L)	50 (GV)					<10					<10	<10				<10	<10	<10	<10
2-Hexanone (µg/L)	50 (GV)					<10					<10	<10				<10	<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS					<10					<10	<10				<10	<10	<10	<10
Acetone (µg/L)	50 (GV)					16					16	11				8.6 J	<10	<10	<10
Acrylonitrile (µg/L)	5					<20					<20	<25				<25	<25	<25	<25
Benzene (µg/L)	1					**5.9**					**6.3**	**5.6**				**8**	**4.4**	**7.7**	**7**
Bromochloromethane (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Bromodichloromethane (µg/L)	50 (GV)					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Bromoform (µg/L)	50 (GV)					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Bromomethane (µg/L)	5					<1					<1	<10				<10	<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Chlorobenzene (µg/L)	5					1.3					**9.7**	<5.0				**9.3**	**5.2**	**10**	**10**
Chloroethane (µg/L)	5					**7.3**					**21**	**15**				**42**	**8.8**	**14**	**18**
Chloroform (µg/L)	7					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Chloromethane (µg/L)	5					<1					<1	<10				<10	<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Dibromochloromethane (µg/L)	50 (GV)					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Dibromomethane (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Ethyl benzene (µg/L)	5					<1					1.3	<5.0				<5.0	<5.0	<5.0	<5.0
Iodomethane (µg/L)	5					<5					<5	<10				<10	<10	<10	<10
Methylene Chloride (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Styrene (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Tetrachloroethene (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Toluene (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5					<5					<5	<10				<10	<10	<10	<10
Trichloroethene (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Trichlorofluoromethane (µg/L)	5					<1					<1	<5.0				<5.0	<5.0	<5.0	<5.0
Vinyl Acetate (µg/L)	NS					<5					<5	<10				<10	<10	<10	<10
Vinyl Chloride (µg/L)	2					<1					<1	<10				<10	<10	<10	<10
Xylenes (Total) (µg/L)	5					4.2					**85**	**15**				**72.6**	**6.2**	**5.1**	**48**
1,2-Dichloroethene - Total	5																		

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers
7) J indicates estimated concentration based on QC data

City of Rome
Tannery Road Landfill
Leachate Well LMW-10
Analytical Data

Parameter	NYSDEC Ground Water Standard	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021
Field Parameters						
Conductivity (μmhos/cm)	NS	2,400	1,800	2,200	1,758	1,515
pH (s.u.)	6.5 - 8.5	6.81	6.8	6.9	6.84	7.03
Redox	NS	-68.2			-22.3	-76.1
Temperature (deg C)	NS	13.2	15	15	10.2	13.7
Turbidity (NTU)	5	**140**	**140**	**20**	**68**	**67.55**
Part 360 Leachate Indicator Parameters						
Ammonia-Nitrogen (mg/L)	2	**70.7**	**53**	**79.1**	**48.2**	**49.8**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	51	42.9	37	38	37
Bromide (mg/L)	2	<1.0	<2.0	<2.0	<2.0	<1.0
Chemical Oxygen Demand (mg/L)	NS	245	195	195	298	111
Chloride (mg/L)	250	115	86.1	86.1	61.2	68
Color (Pt-Co)	15	**200**	**275**	**250**	**130**	**160**
Nitrate-Nitrogen (mg/L)	10	0.09	0.19	<0.04	<0.04	<0.04
Sulfate (mg/L)	250	132	77.3	33.1	14.1	10.6
Total Alkalinity (mg/L)	NS	990	790	990	800	710
Total Cyanide (mg/L)	0.2	<0.01	<0.01	<0.01	0.015	<0.01
Total Dissolved Solids (mg/L)	500	**1,250**	**1100**	**1,220**	**815**	**780**
Total Hardness (mg/L)	NS	571	391	369	334	395
Total Kjeldahl Nitrogen (mg/L)	NS	68.9	57.1	86	45.6	49.3
Total Organic Carbon (mg/L)	NS	72.6	51.8	77.9	54.1	45.3
Total Phenols (mg/L)	0.001	**0.003**	<0.002	**0.025**	<0.004	<0.004
Part 360 Routine Metals						
Cadmium (mg/L)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium (mg/L)	NS	165	113	99.8	92.7	112
Iron (mg/L)	0.3*	**26.9**	**18.5**	**11.1**	**15.5**	**15.9**
Lead (mg/L)	0.025	<0.005	<0.005	<0.005	0.006	<0.005
Magnesium (mg/L)	35 (GV)	**38.6**	26.4	26.1	24.8	28
Manganese (mg/L)	0.3*	**0.632**	**0.42**	**0.369**	**0.335**	**0.363**
Potassium (mg/L)	NS	156	220	234	139	152
Sodium (mg/L)	20	**137**	**115**	**118**	**88.5**	**68.6**
Part 360 Additional Baseline Metals						
Aluminum (mg/L)	NS	<0.1	0.105	<0.1	0.127	<0.1
Antimony (mg/L)	0.003	<0.06	<0.060	<0.06	<0.06	<0.06
Arsenic (mg/L)	0.025	<0.005	<0.005	0.007	<0.005	<0.005
Barium (mg/L)	1	0.573	0.434	0.449	0.433	0.538
Beryllium (mg/L)	0.003 (GV)	<0.005	<0.005	<0.005	<0.005	<0.005
Boron (mg/L)	1	**1.19**	0.944	0.974	0.888	0.83
Chromium (mg/L)	0.05	<0.005	<0.005	<0.005	0.005	<0.005
Chromium, Hexavalent (mg/L)	0.05	<0.02	<0.02	<0.02	<0.02	<0.02
Cobalt (mg/L)	NS	<0.05	<0.05	<0.05	<0.05	<0.05
Copper (mg/L)	0.2	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury (mg/L)	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (mg/L)	0.1	<0.02	<0.02	<0.02	<0.02	<0.02
Selenium (mg/L)	0.01	<0.005	<0.005	<0.005	<0.005	<0.005
Silver (mg/L)	0.05	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (mg/L)	0.0005 (GV)	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium (mg/L)	NS	<0.02	<0.02	<0.02	<0.02	<0.02
Zinc (mg/L)	2	0.015	0.014	<0.01	0.013	0.011
Part 360 Volatile Organics						
1,1,1,2-Tetrachloroethane (μg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane (μg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane (μg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane (μg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethane (μg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
1,1-Dichloroethene (μg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane (μg/L)	0.04	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane (μg/L)	0.04	<10	<10	<10	<10	<10
1,2-Dibromoethane (EDB) (μg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene (μg/L)	3	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethane (μg/L)	0.6	<5.0	<5.0	<5.0	<5.0	<5.0

City of Rome
Tannery Road Landfill
Leachate Well LMW-10
Analytical Data

Parameter	NYSDEC Ground Water Standard	3/30/2016	6/28/2017	9/20/2018	12/11/2019	3/25/2021
1,2-Dichloropropane (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene (µg/L)	3	<5.0	<5.0	<5.0	<5.0	<5.0
2-Butanone (MEK) (µg/L)	50 (GV)	<10	<10	<10	<10	<10
2-Hexanone (µg/L)	50 (GV)	<10	<10	<10	<10	<10
4-Methyl 2-pentanone (µg/L)	NS	<10	<10	<10	<10	<10
Acetone (µg/L)	50 (GV)	<10	<10	<10	<10	<10
Acrylonitrile (µg/L)	5	<25	<25	<25	<25	<25
Benzene (µg/L)	1	<5.0	<5.0	<5.0	<5.0	<5.0
Bromochloromethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
Bromodichloromethane (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0
Bromoform (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0
Bromomethane (µg/L)	5	<10	<10	<10	<10	<10
Carbon disulfide (µg/L)	60 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0
Carbon tetrachloride (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
Chloroethane (µg/L)	5	<10	<10	<10	<10	<10
Chloroform (µg/L)	7	<5.0	<5.0	<5.0	<5.0	<5.0
Chloromethane (µg/L)	5	<10	<10	<10	<10	<10
cis-1,2-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene (µg/L)	0.4**	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromochloromethane (µg/L)	50 (GV)	<5.0	<5.0	<5.0	<5.0	<5.0
Dibromomethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
Ethyl benzene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
Iodomethane (µg/L)	5	<10	<10	<10	<10	<10
Methylene Chloride (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
Tetrachloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
Toluene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,3-Dichloropropene (µg/L)	0.4**	<5.0	<5.0	<5.0	<5.0	<5.0
trans-1,4-Dichloro-2-butene (µg/L)	5	<10	<10	<10	<10	<10
Trichloroethene (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
Trichlorofluoromethane (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
Vinyl Acetate (µg/L)	NS	<10	<10	<10	<10	<10
Vinyl Chloride (µg/L)	2	<10	<10	<10	<10	<10
Xylenes (Total) (µg/L)	5	<5.0	<5.0	<5.0	<5.0	<5.0
1,2-Dichloroethene - Total	5					

Notes

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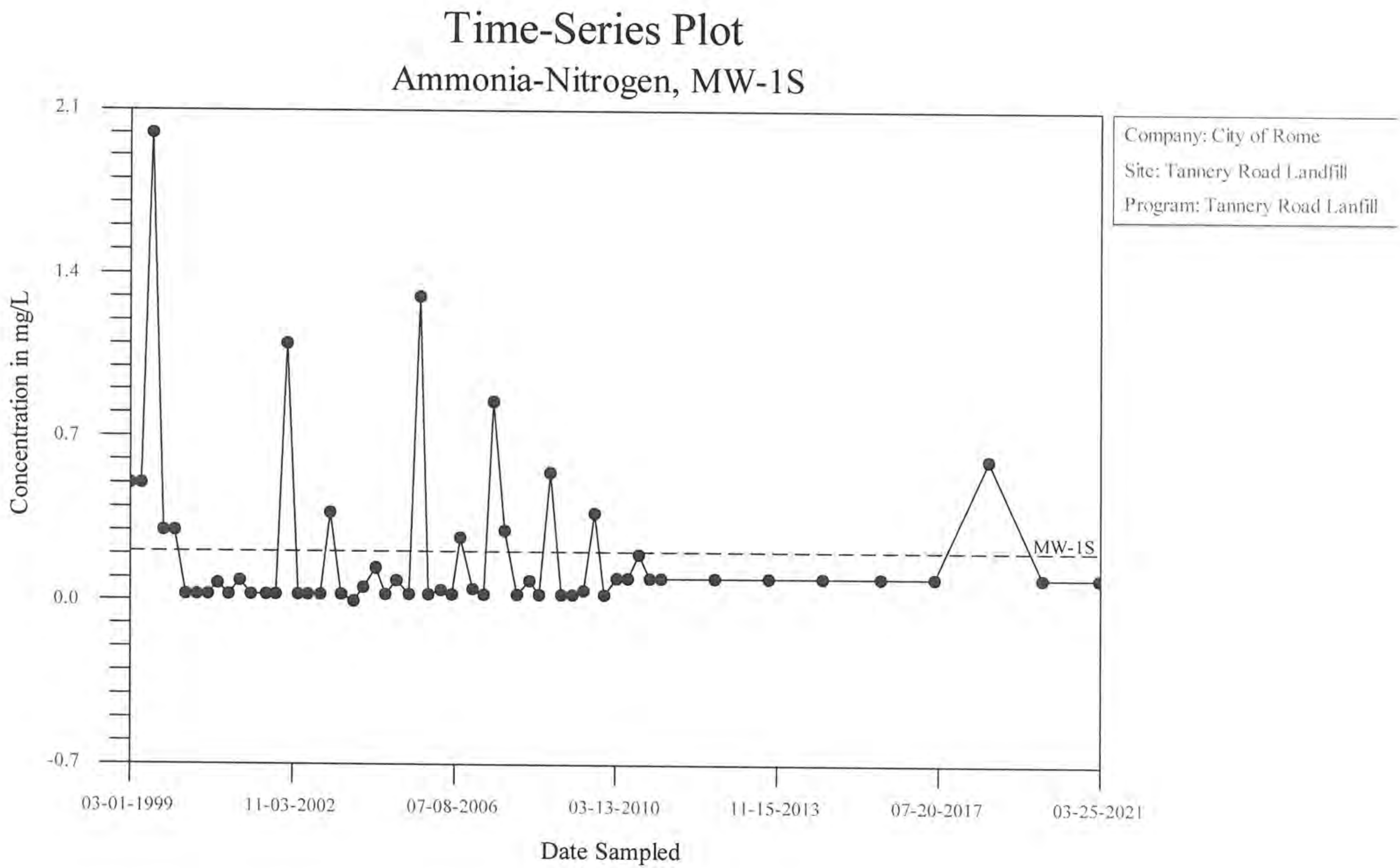
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers
7) J indicates estimated concentration based on QC data

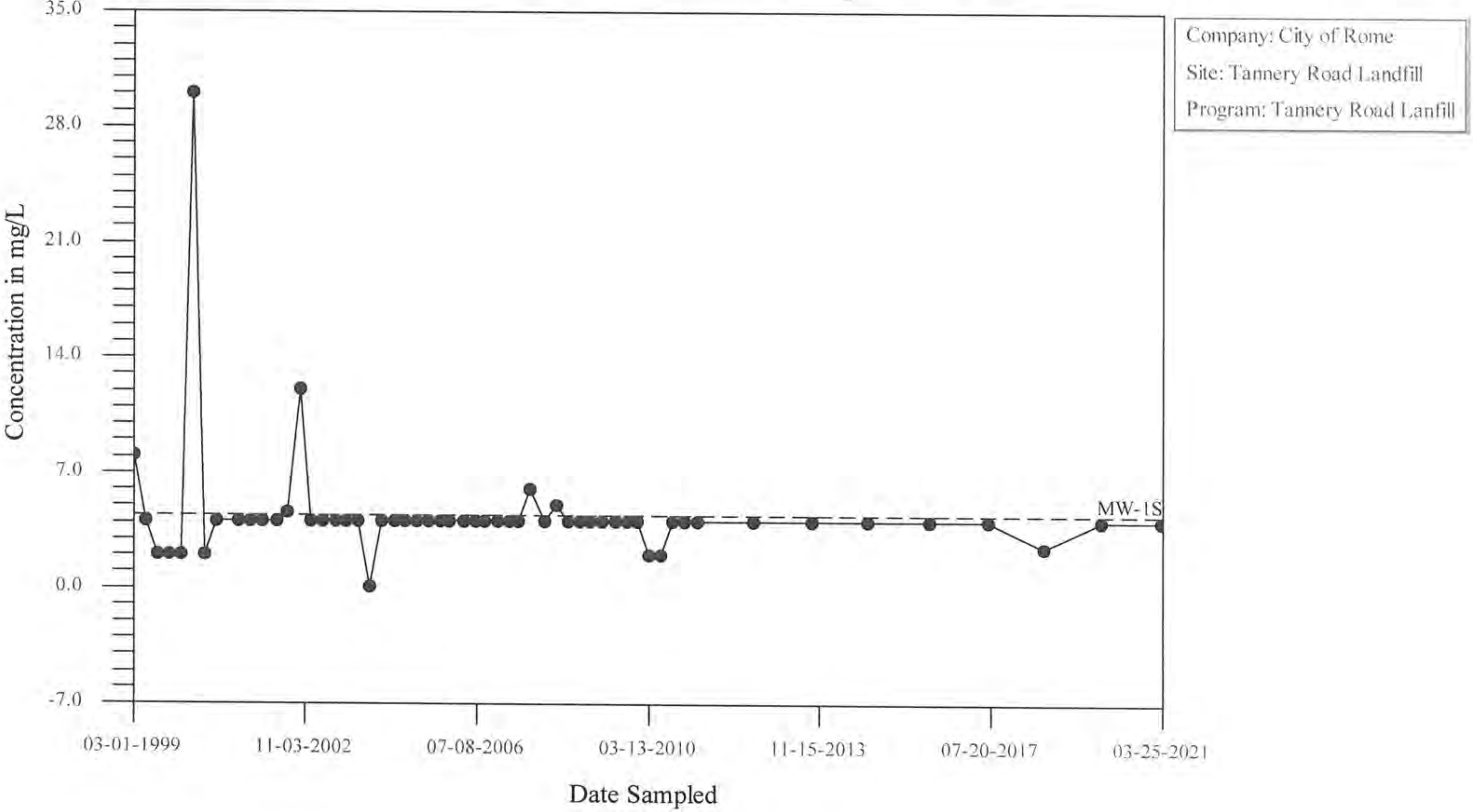
Appendix B

Monitoring Well and Leachate Well Time Series Concentration Graphs


Time-Series Plot
Ammonia-Nitrogen, MW-1S
Concentration in mg/L
2.1
1.4
0.7
0.0
-0.7
03-01-1999
11-03-2002
07-08-2006
03-13-2010
11-15-2013
07-20-2017
03-25-2021
Date Sampled
MW-1S
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

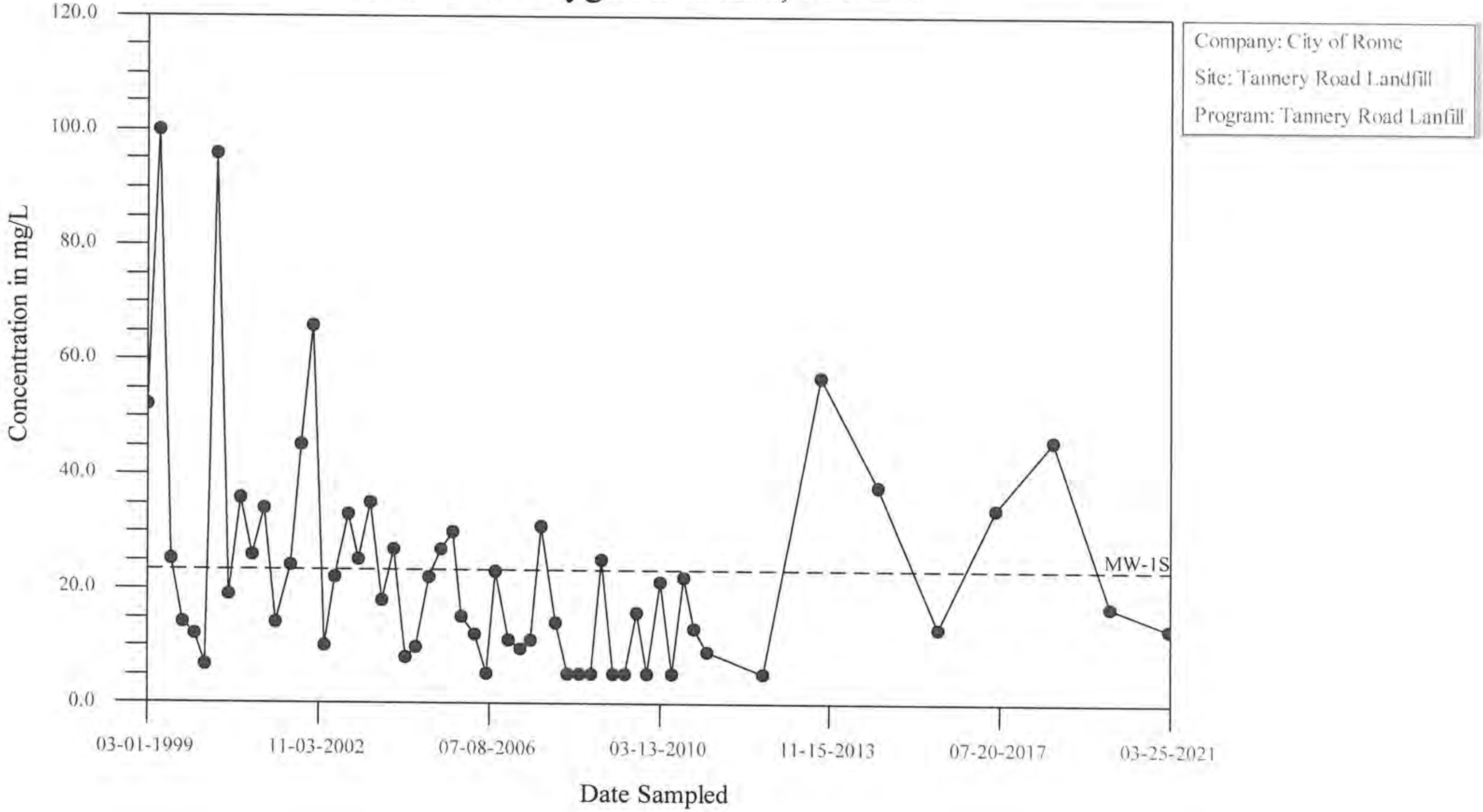
Time-Series Plot

Biochemical Oxygen Demand (BOD5), MW-1S

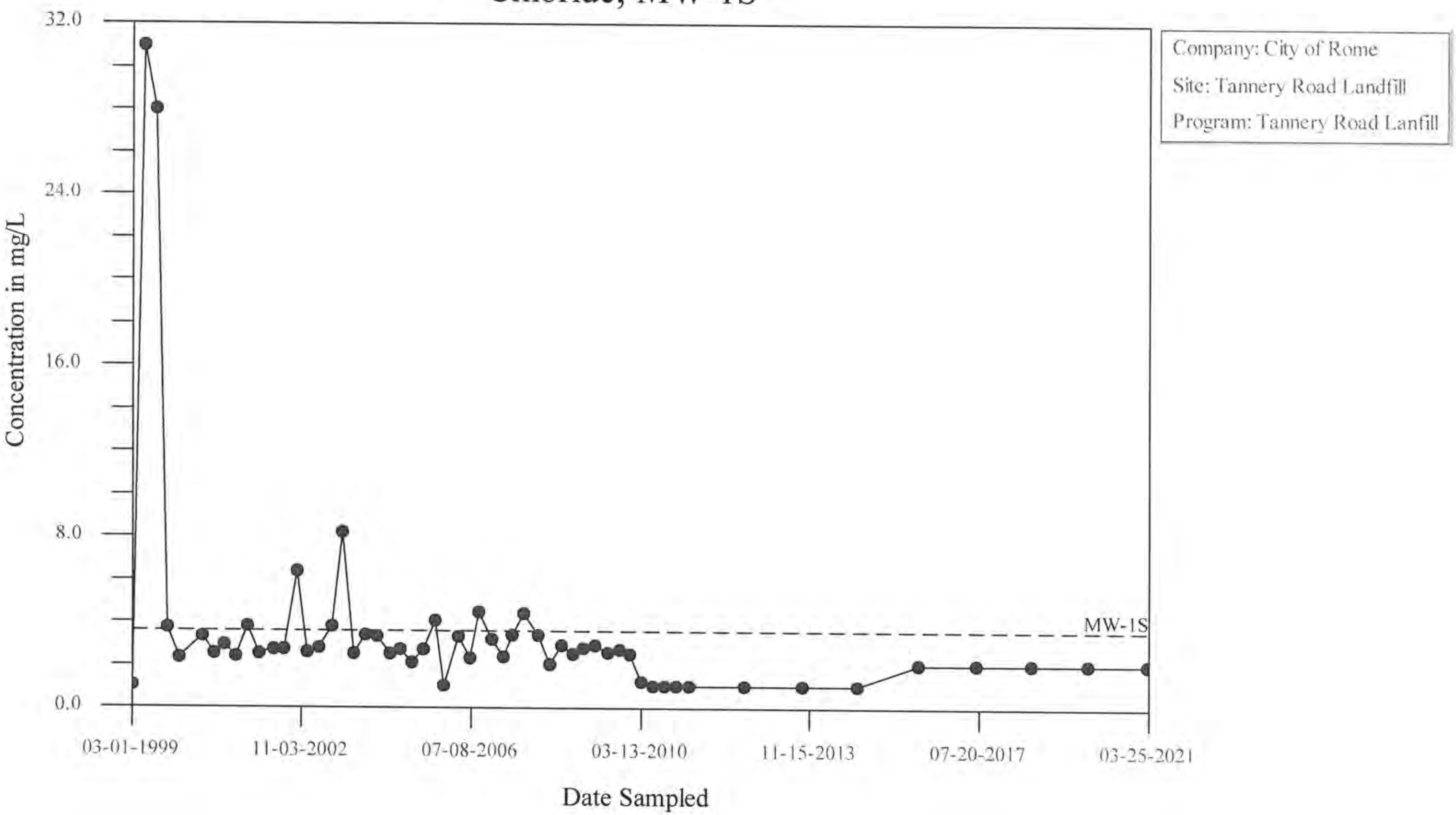


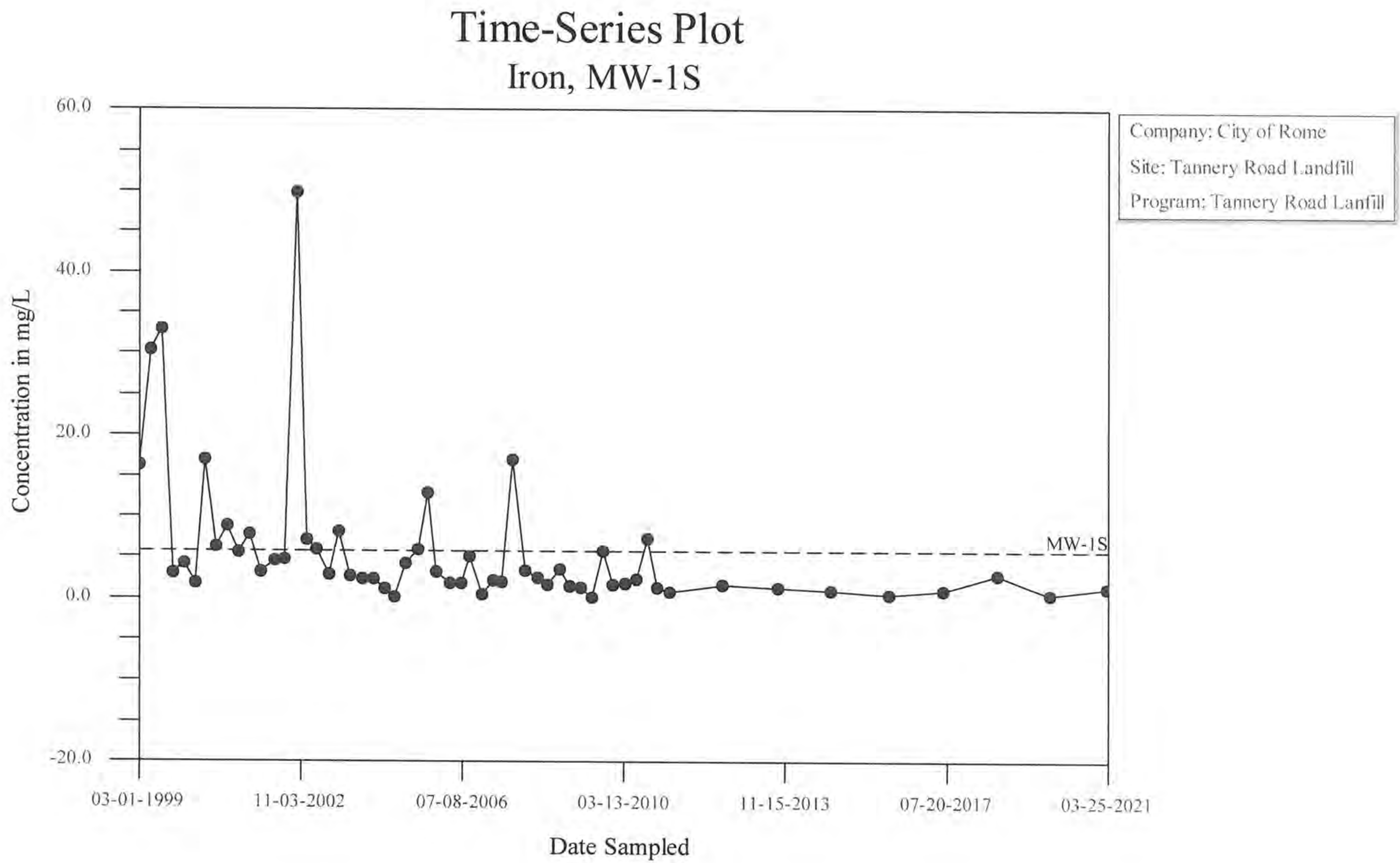
Time-Series Plot

Chemical Oxygen Demand, MW-1S

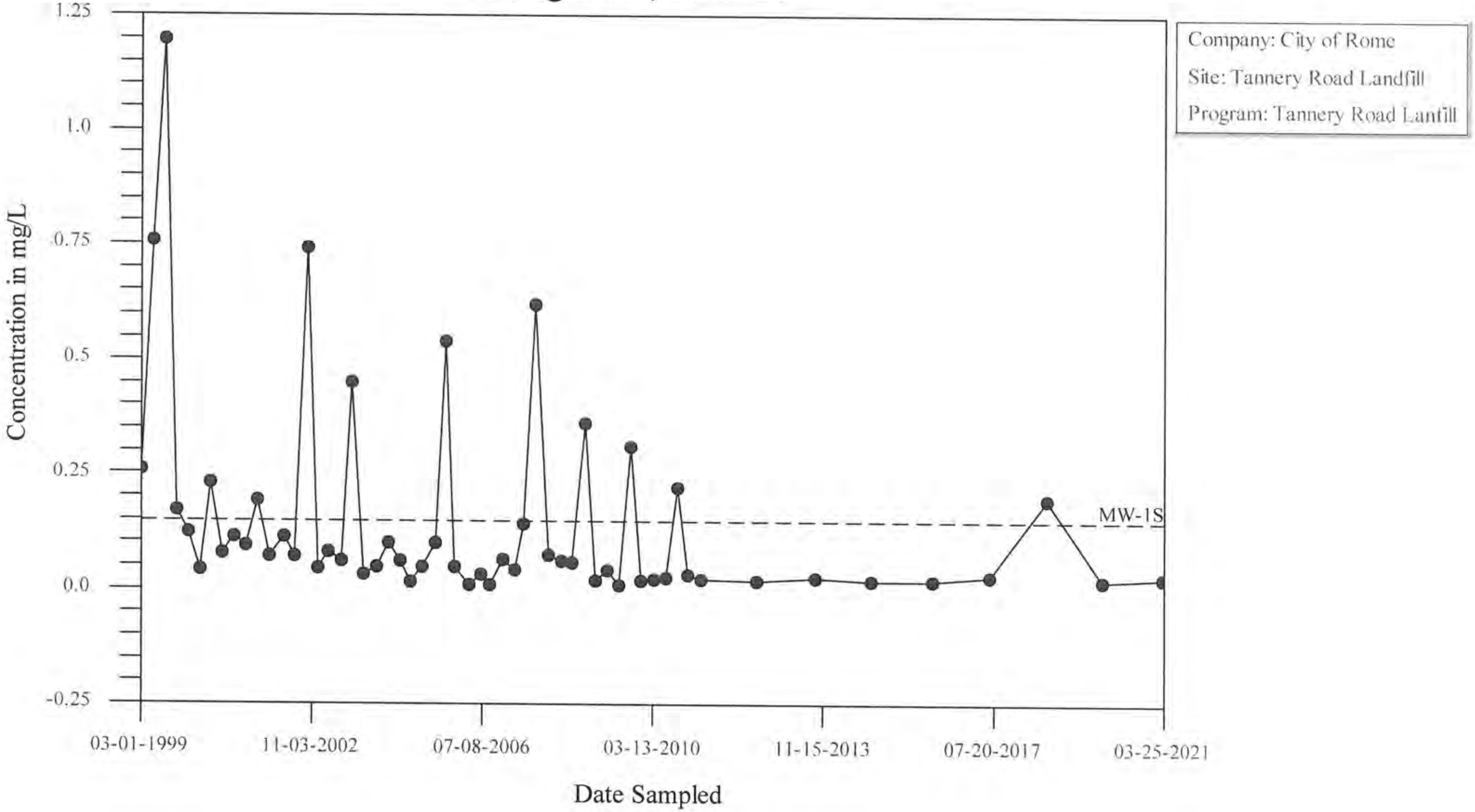


Time-Series Plot
Chloride, MW-1S

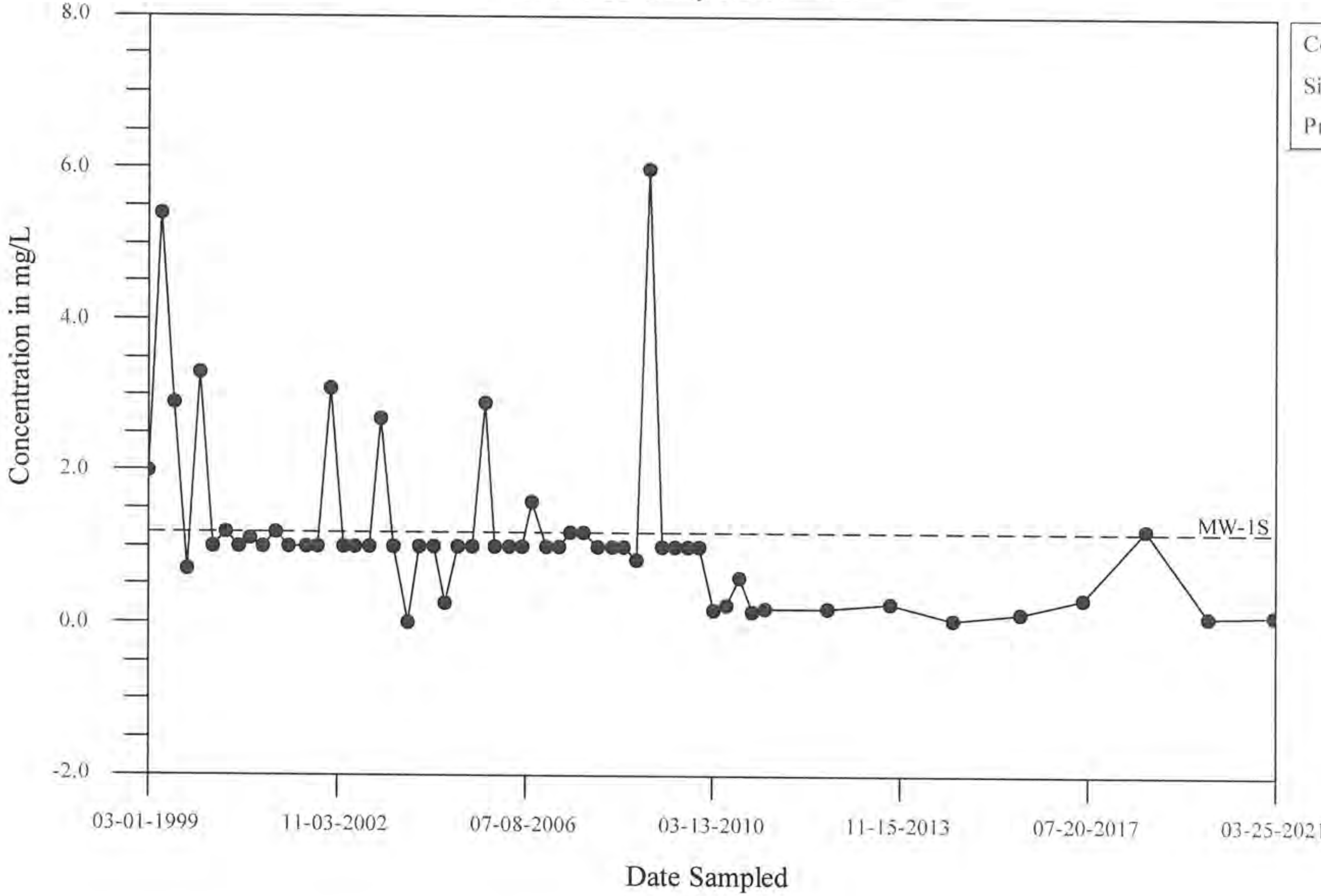



Time-Series Plot
Iron, MW-1S
Concentration in mg/L
60.0
40.0
20.0
0.0
-20.0
MW-1S
03-01-1999
11-03-2002
07-08-2006
03-13-2010
11-15-2013
07-20-2017
03-25-2021
Date Sampled
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot
Manganese, MW-1S

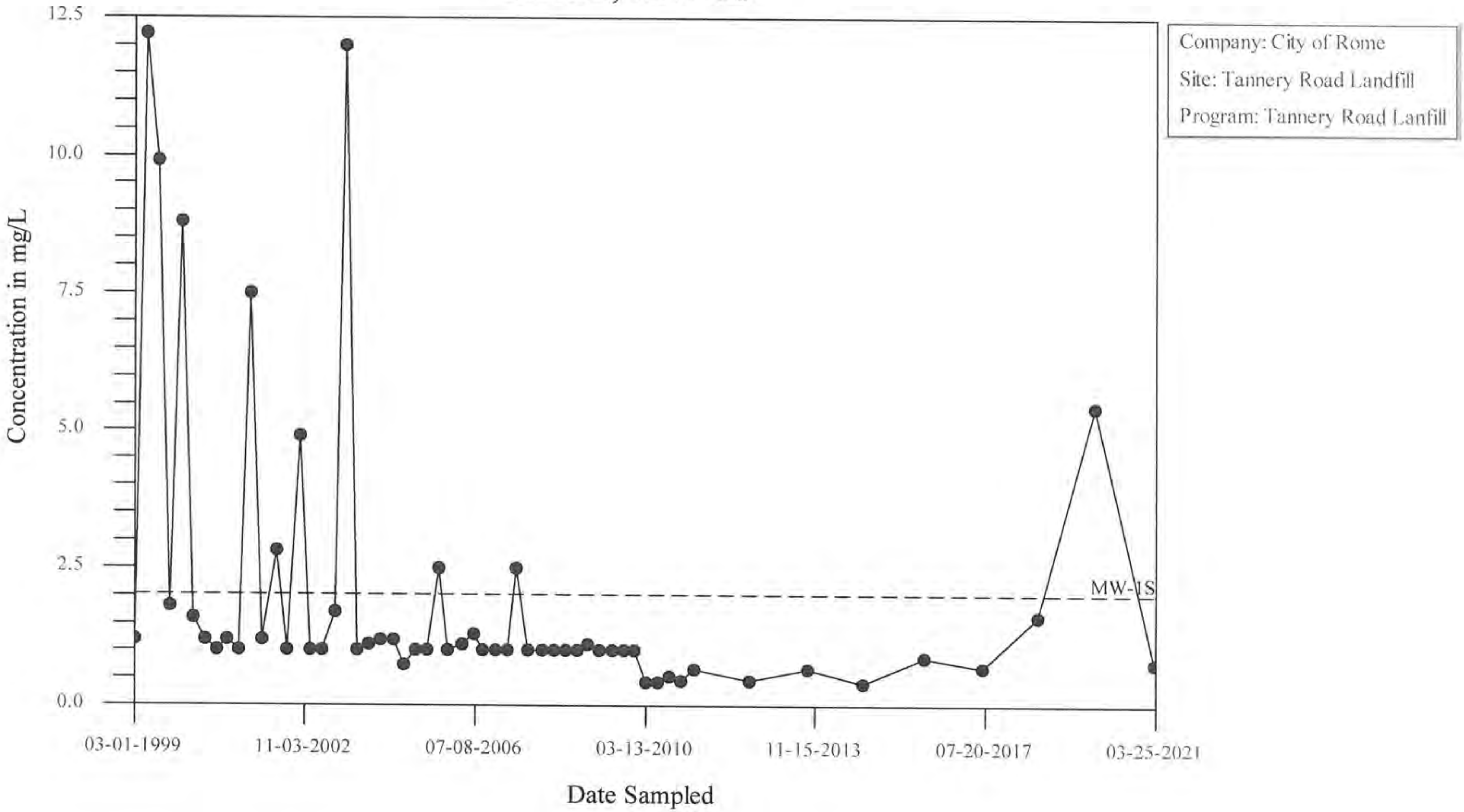


Time-Series Plot
Potassium, MW-1S

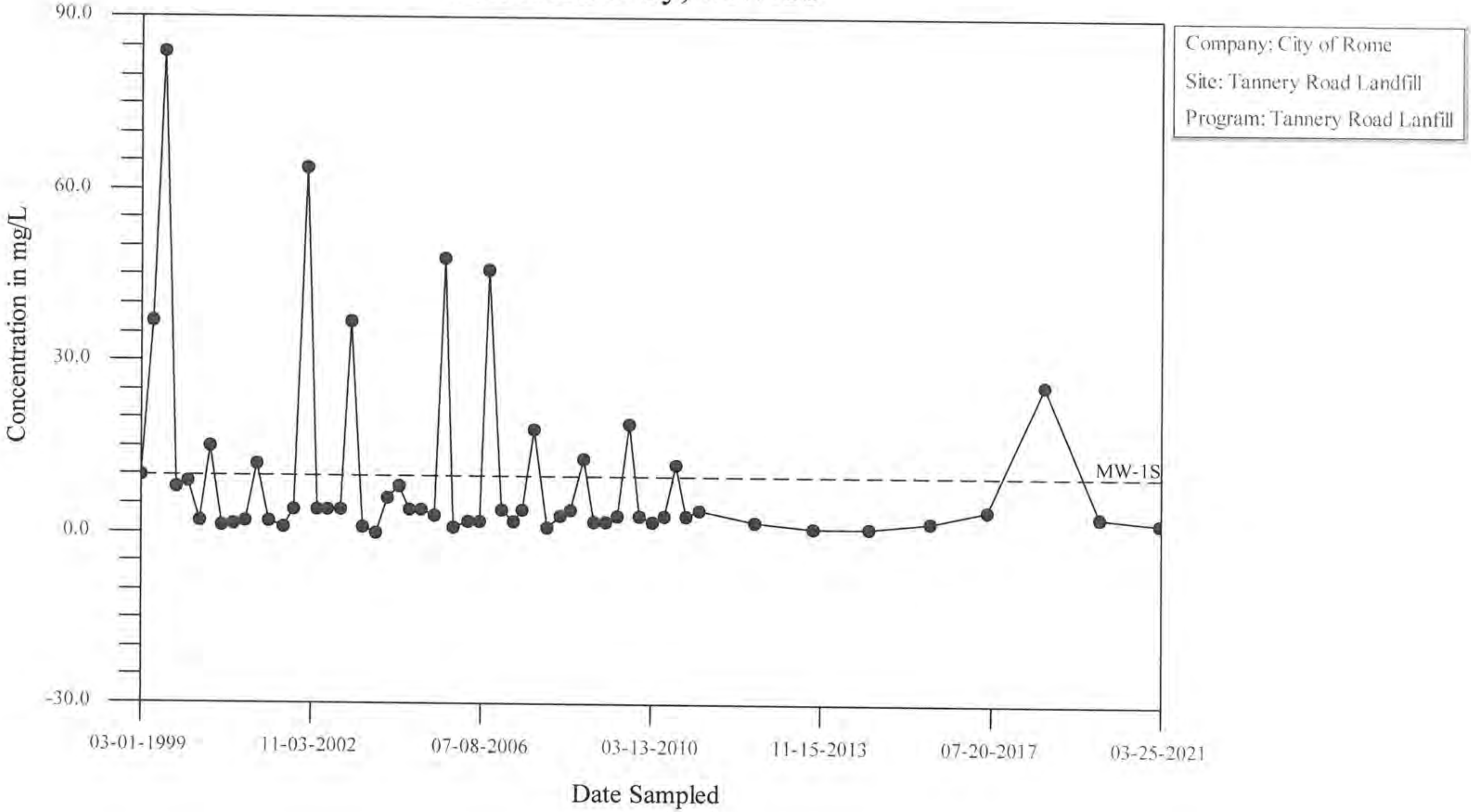


Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

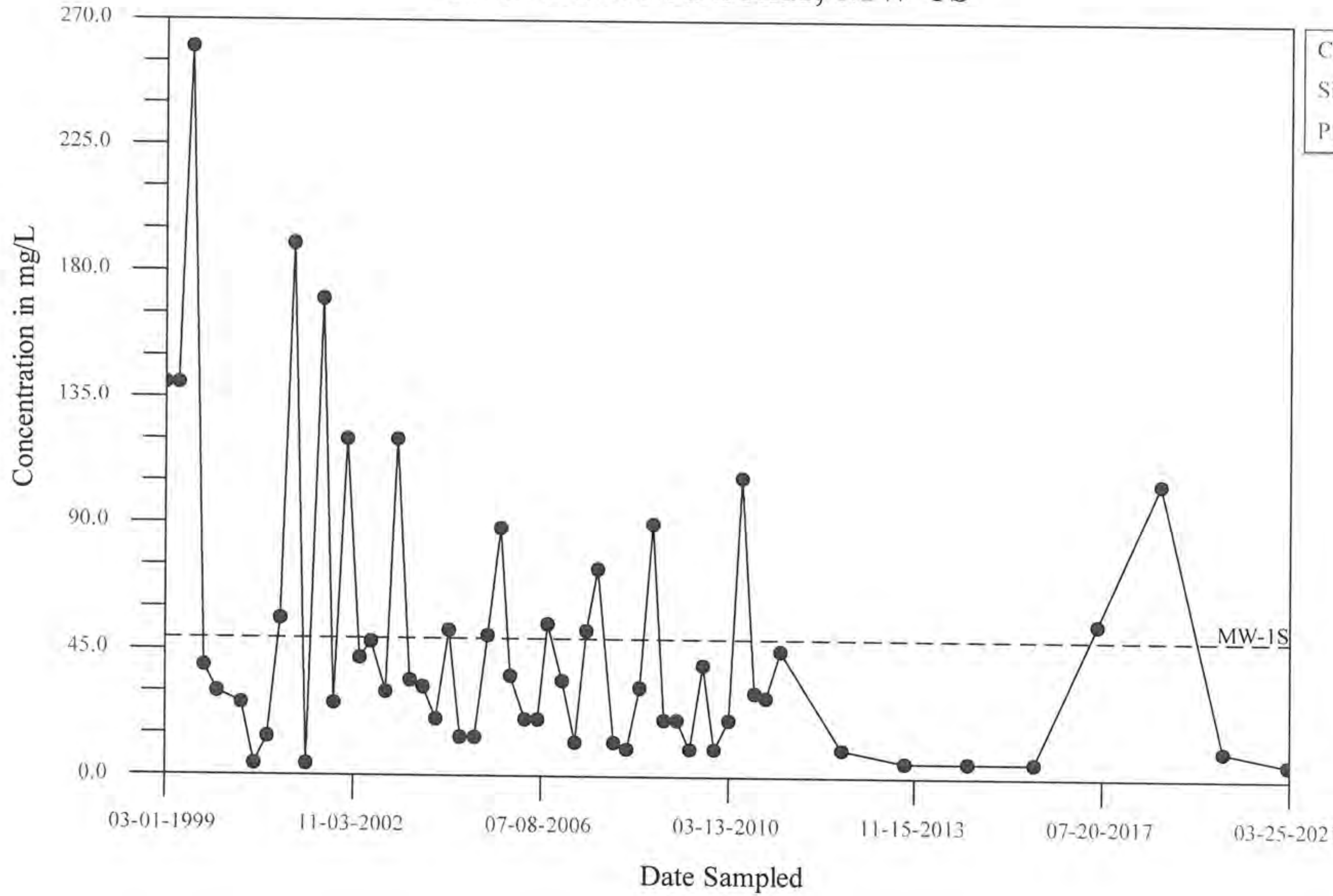
Time-Series Plot
Sodium, MW-1S



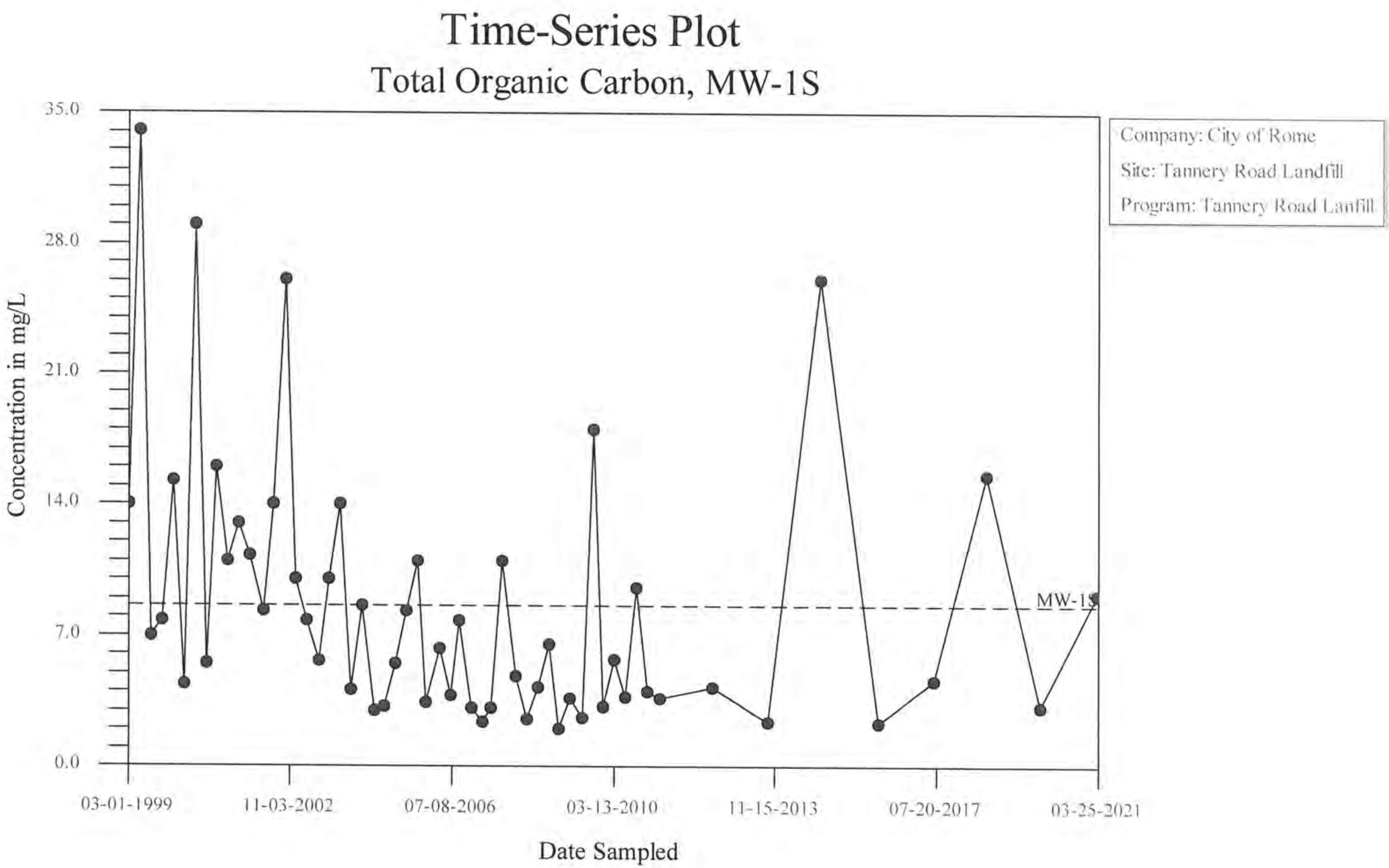
Time-Series Plot
Total Alkalinity, MW-1S



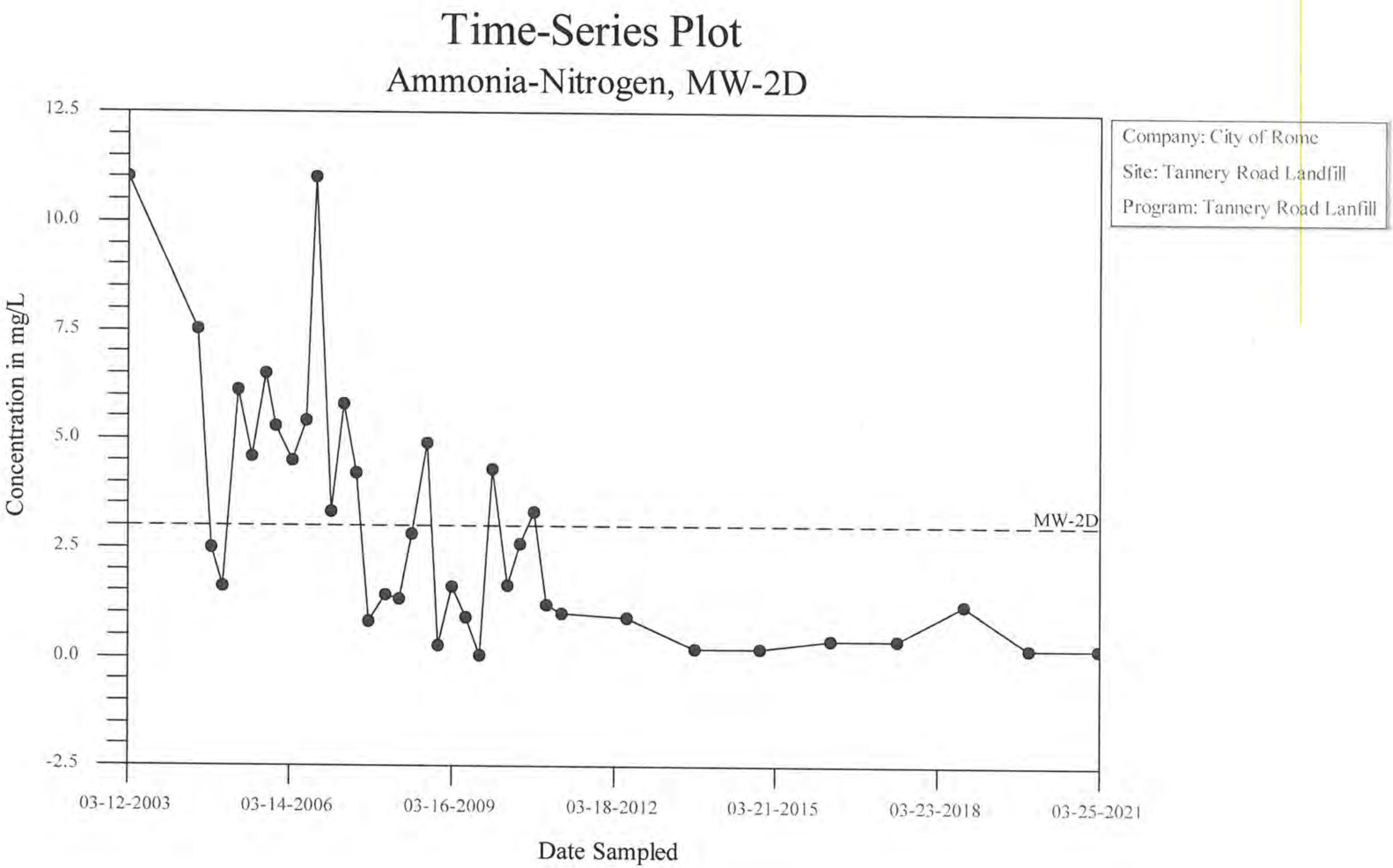
Time-Series Plot
Total Dissolved Solids, MW-1S

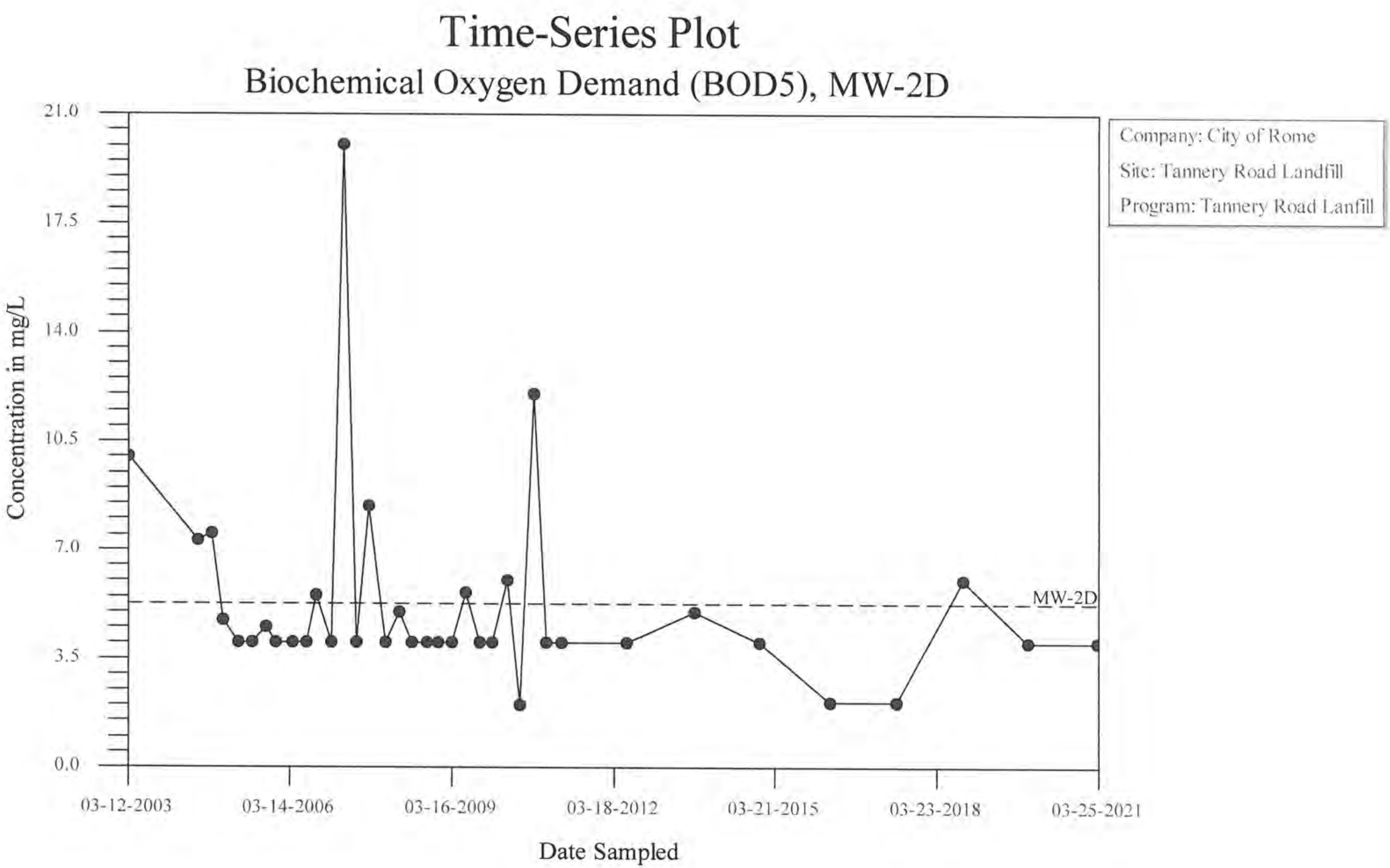


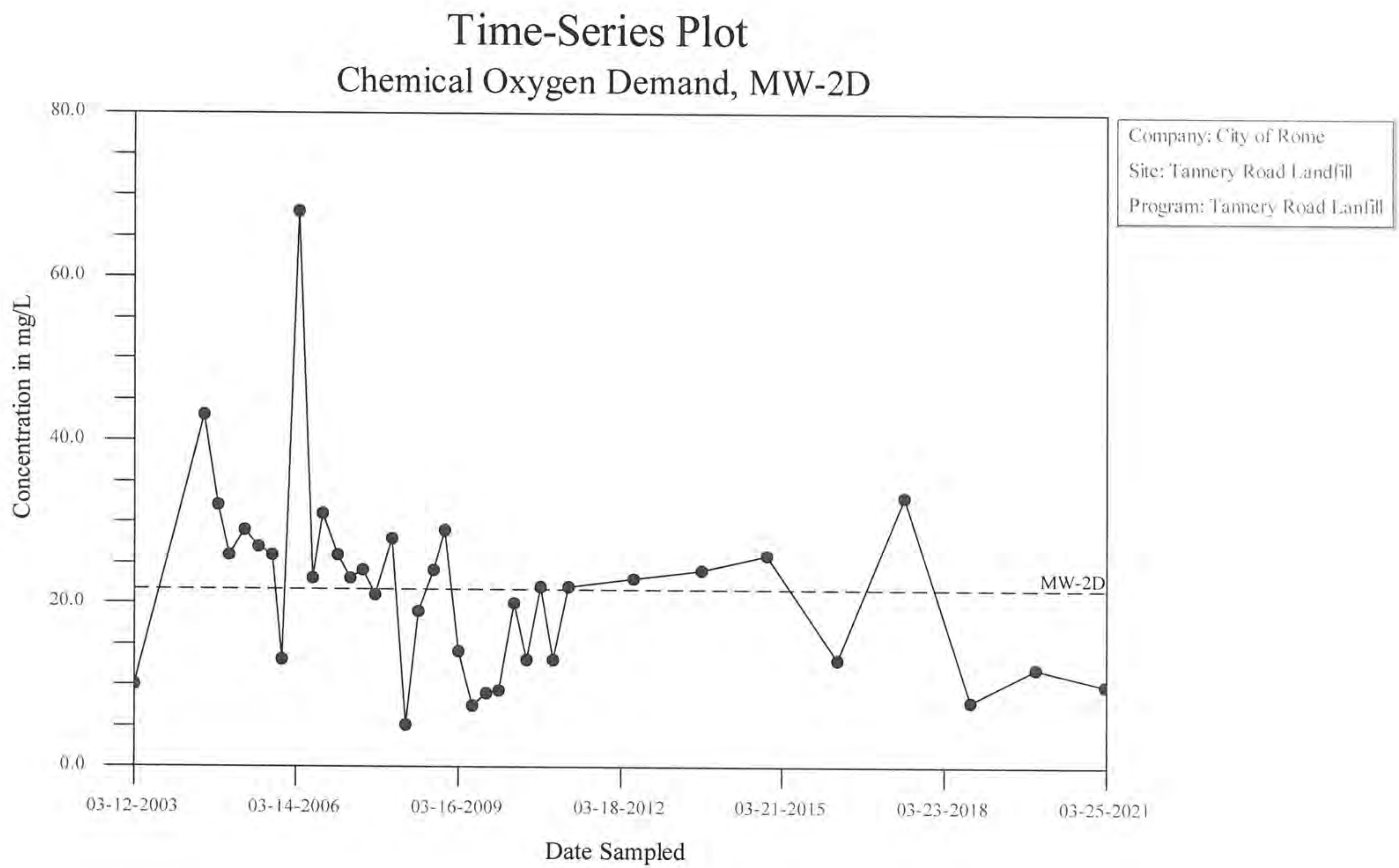
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill



Time-Series Plot
Total Organic Carbon, MW-1S
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill
Concentration in mg/L
35.0
28.0
21.0
14.0
7.0
0.0
MW-1S
03-01-1999
11-03-2002
07-08-2006
03-13-2010
11-15-2013
07-20-2017
03-25-2021
Date Sampled

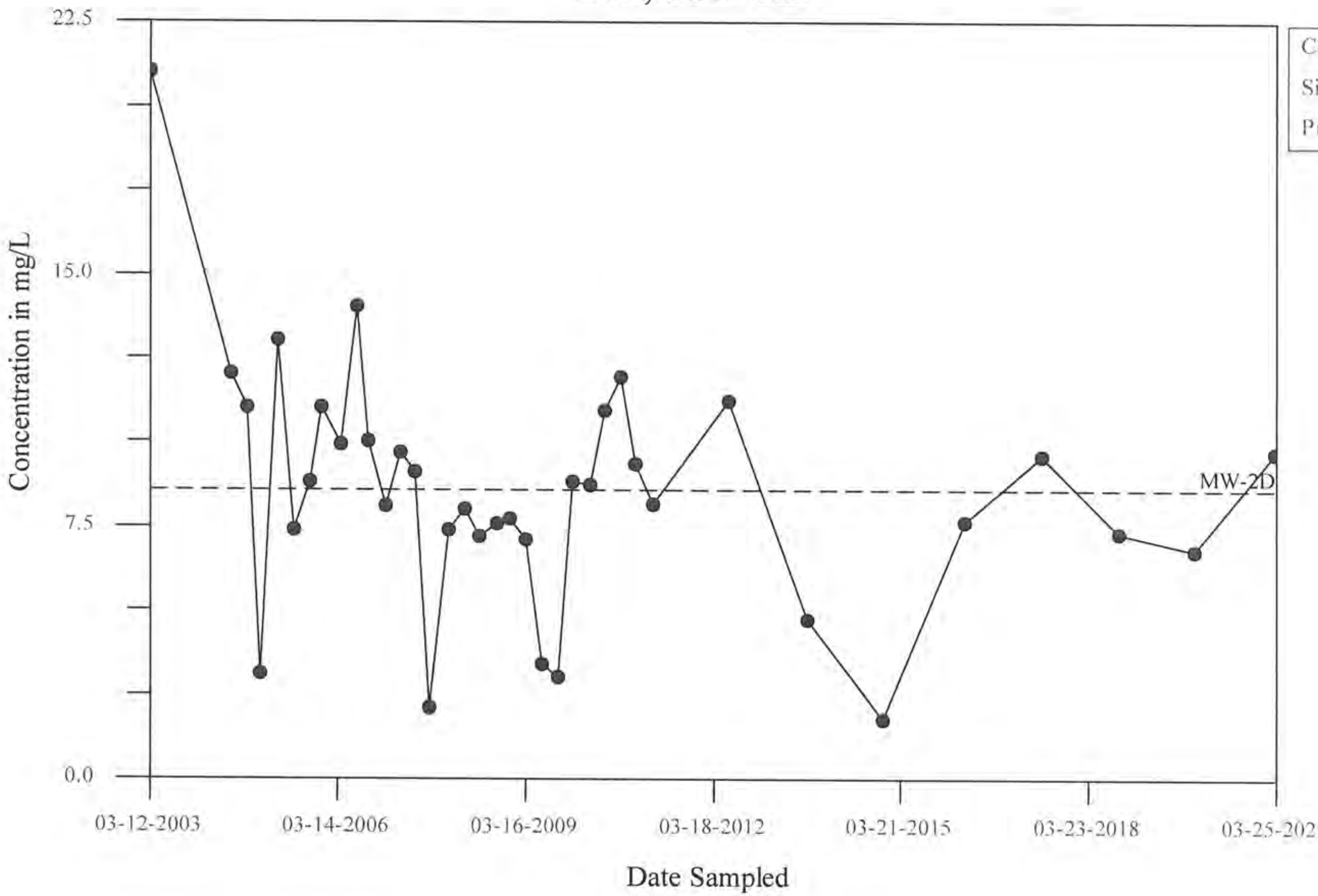

Time-Series Plot
Ammonia-Nitrogen, MW-2D
Concentration in mg/L
12.5
10.0
7.5
5.0
2.5
0.0
-2.5
MW-2D
03-12-2003
03-14-2006
03-16-2009
03-18-2012
03-21-2015
03-23-2018
03-25-2021
Date Sampled
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill


Time-Series Plot
Biochemical Oxygen Demand (BOD5), MW-2D
Concentration in mg/L
21.0
17.5
14.0
10.5
7.0
3.5
0.0
03-12-2003
03-14-2006
03-16-2009
03-18-2012
03-21-2015
03-23-2018
03-25-2021
Date Sampled
MW-2D
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill


Time-Series Plot
Chemical Oxygen Demand, MW-2D
Concentration in mg/L
80.0
60.0
40.0
20.0
0.0
MW-2D
03-12-2003
03-14-2006
03-16-2009
03-18-2012
03-21-2015
03-23-2018
03-25-2021
Date Sampled
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

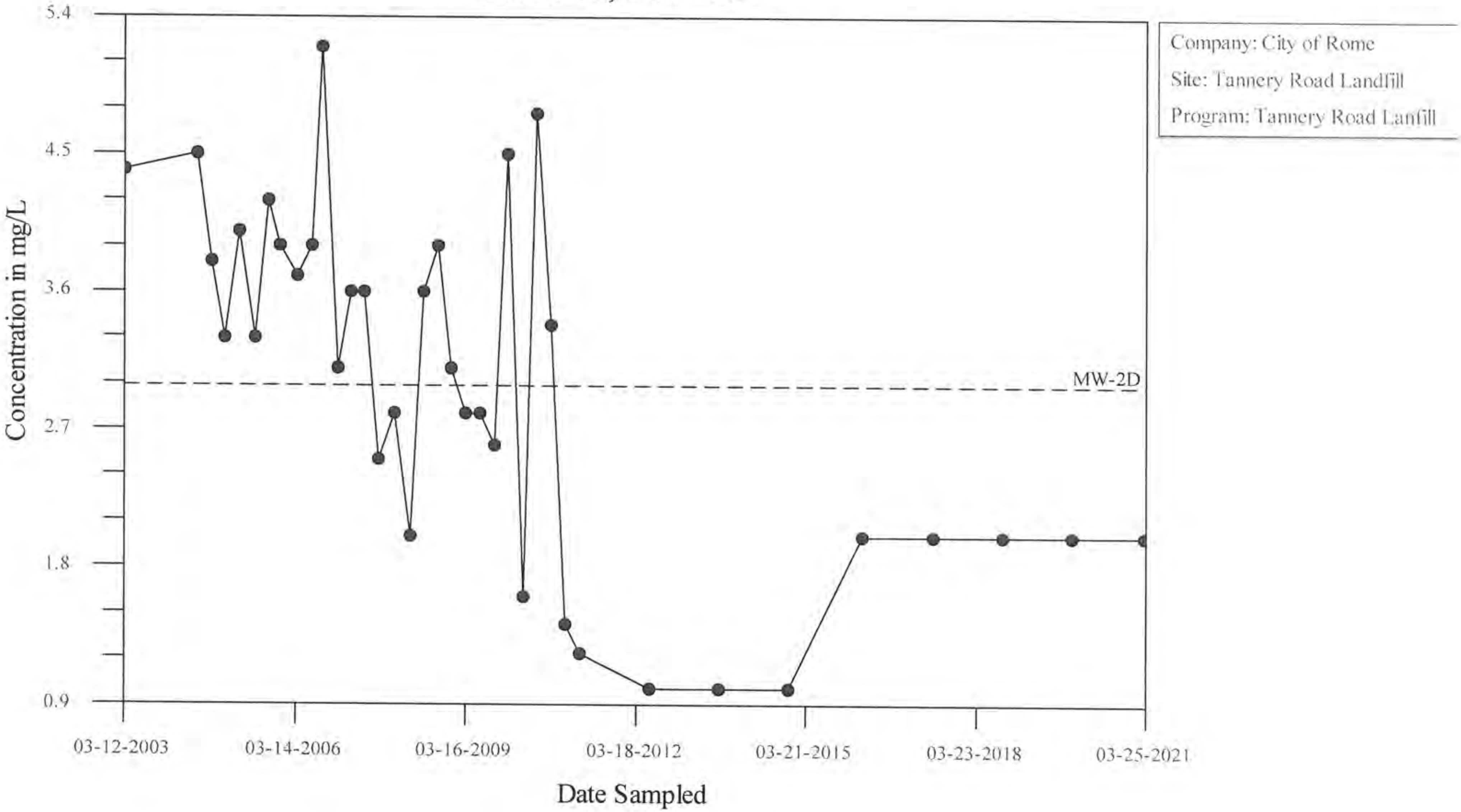
Time-Series Plot

Iron, MW-2D

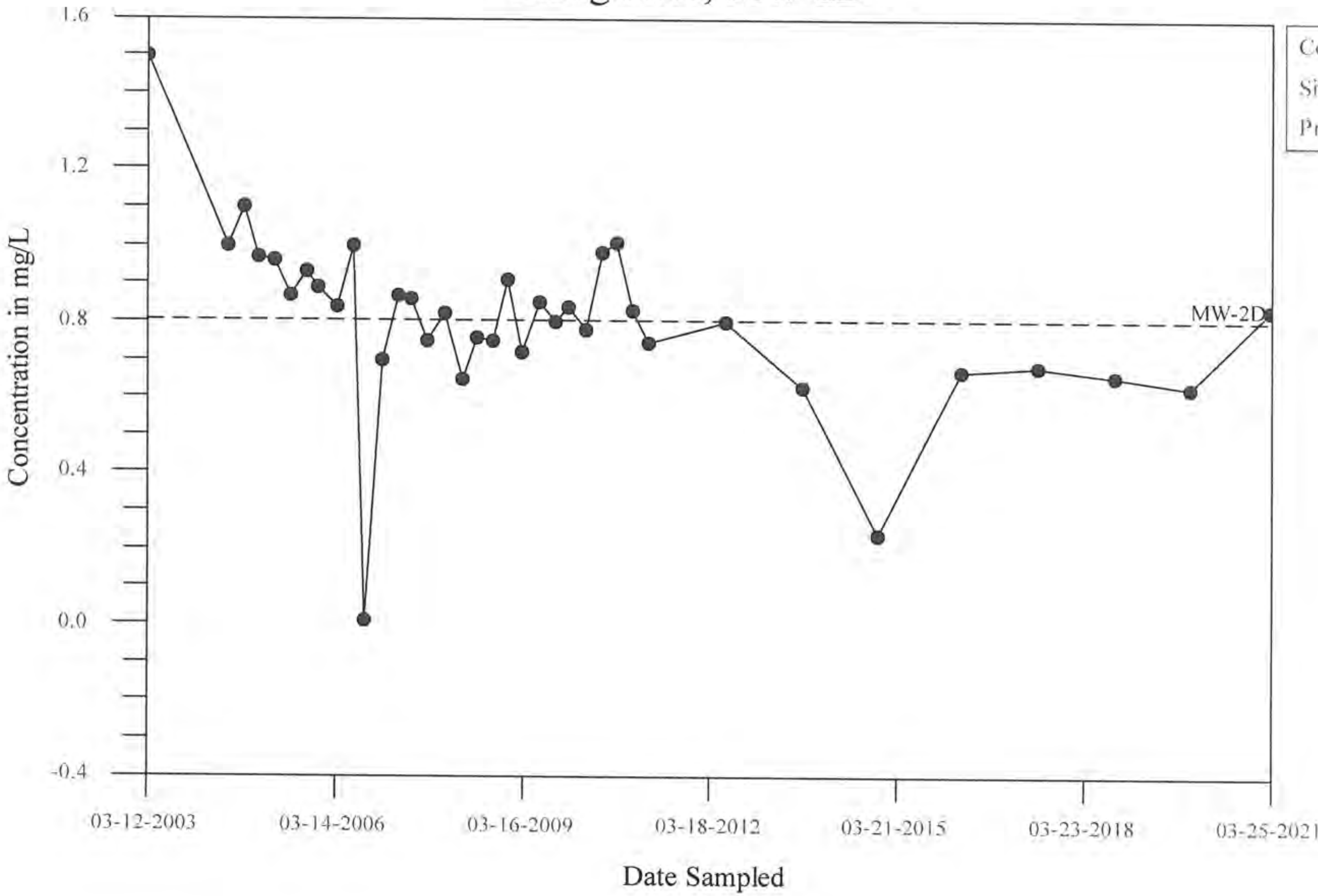


Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot
Chloride, MW-2D



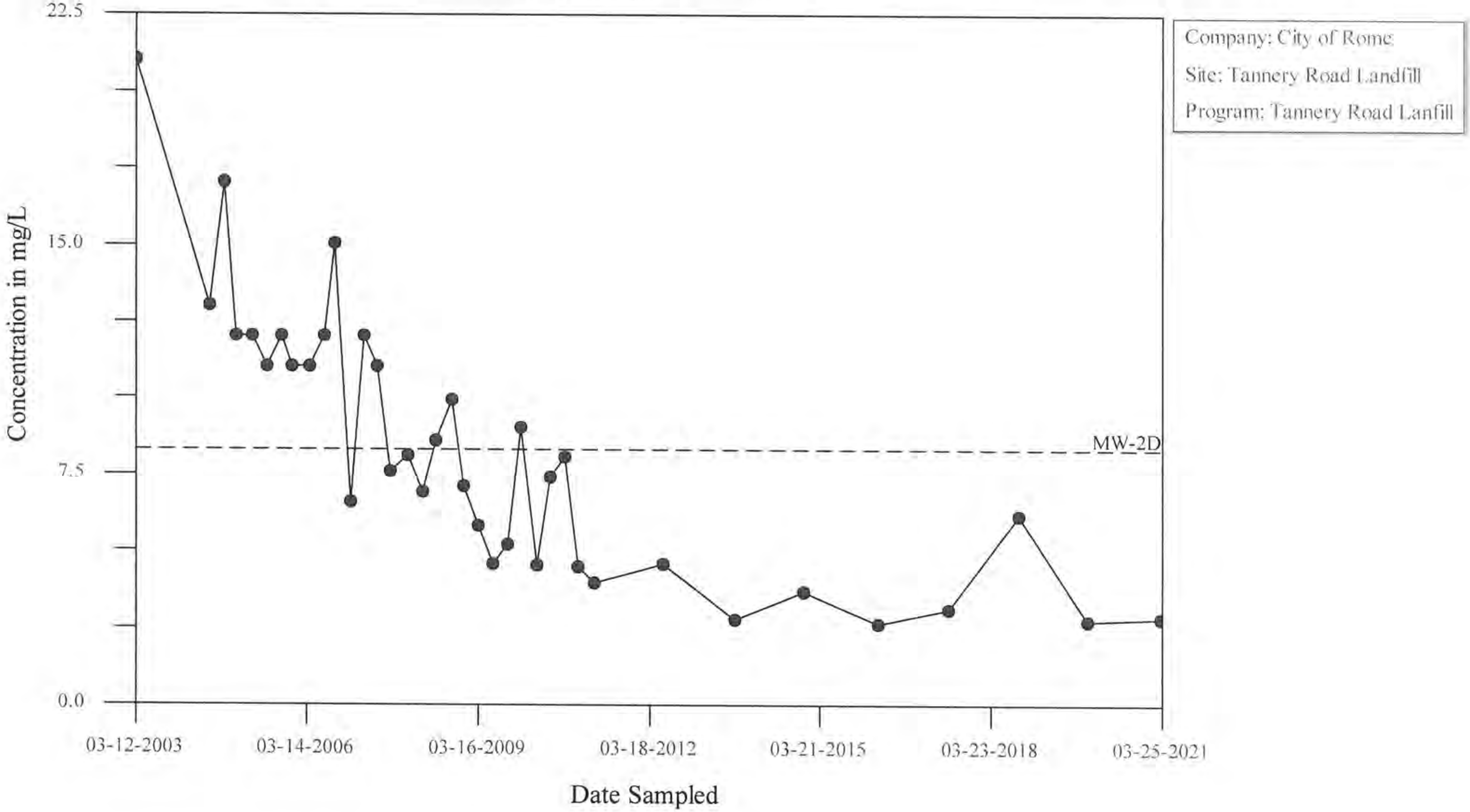
Time-Series Plot
Manganese, MW-2D

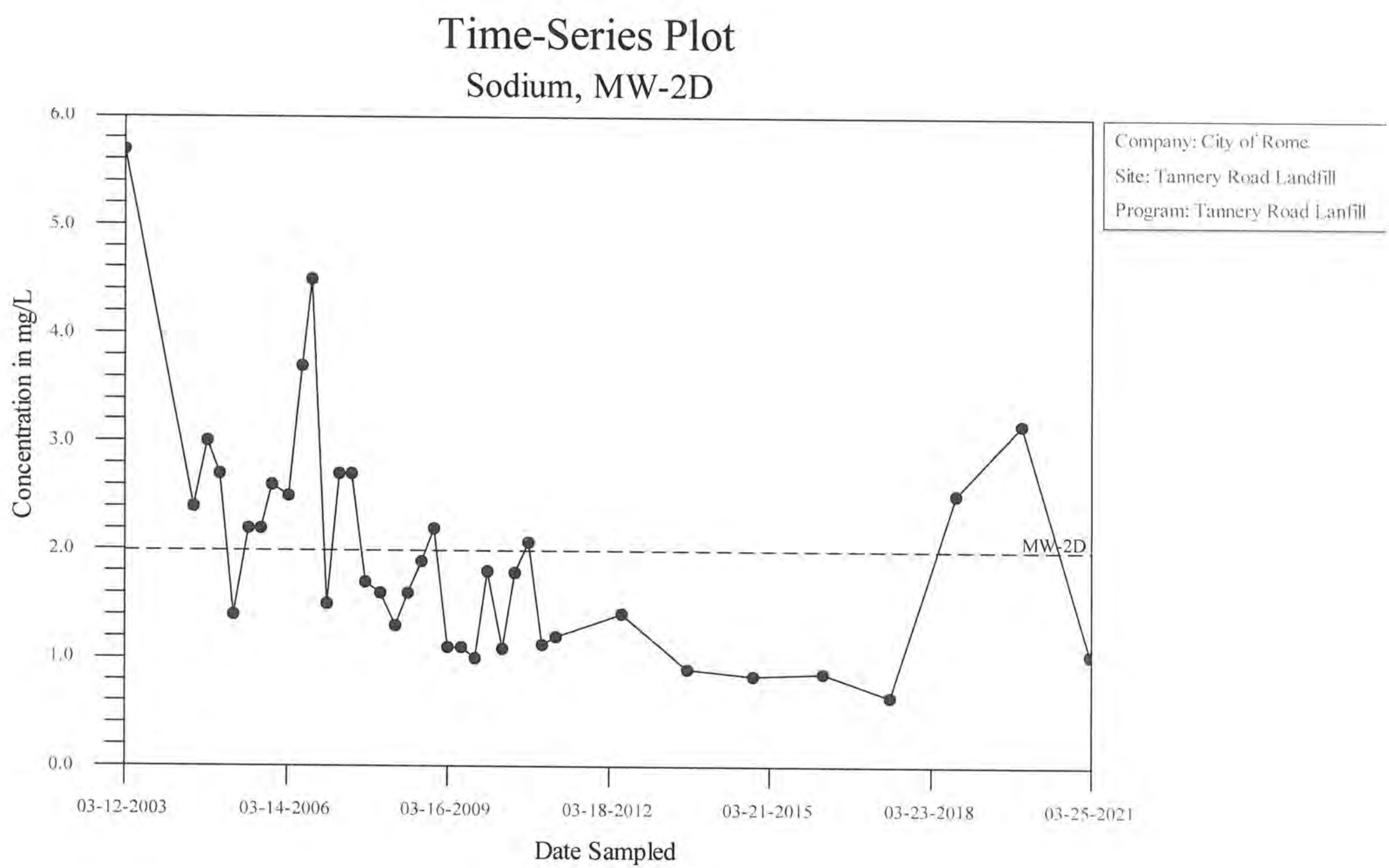


Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

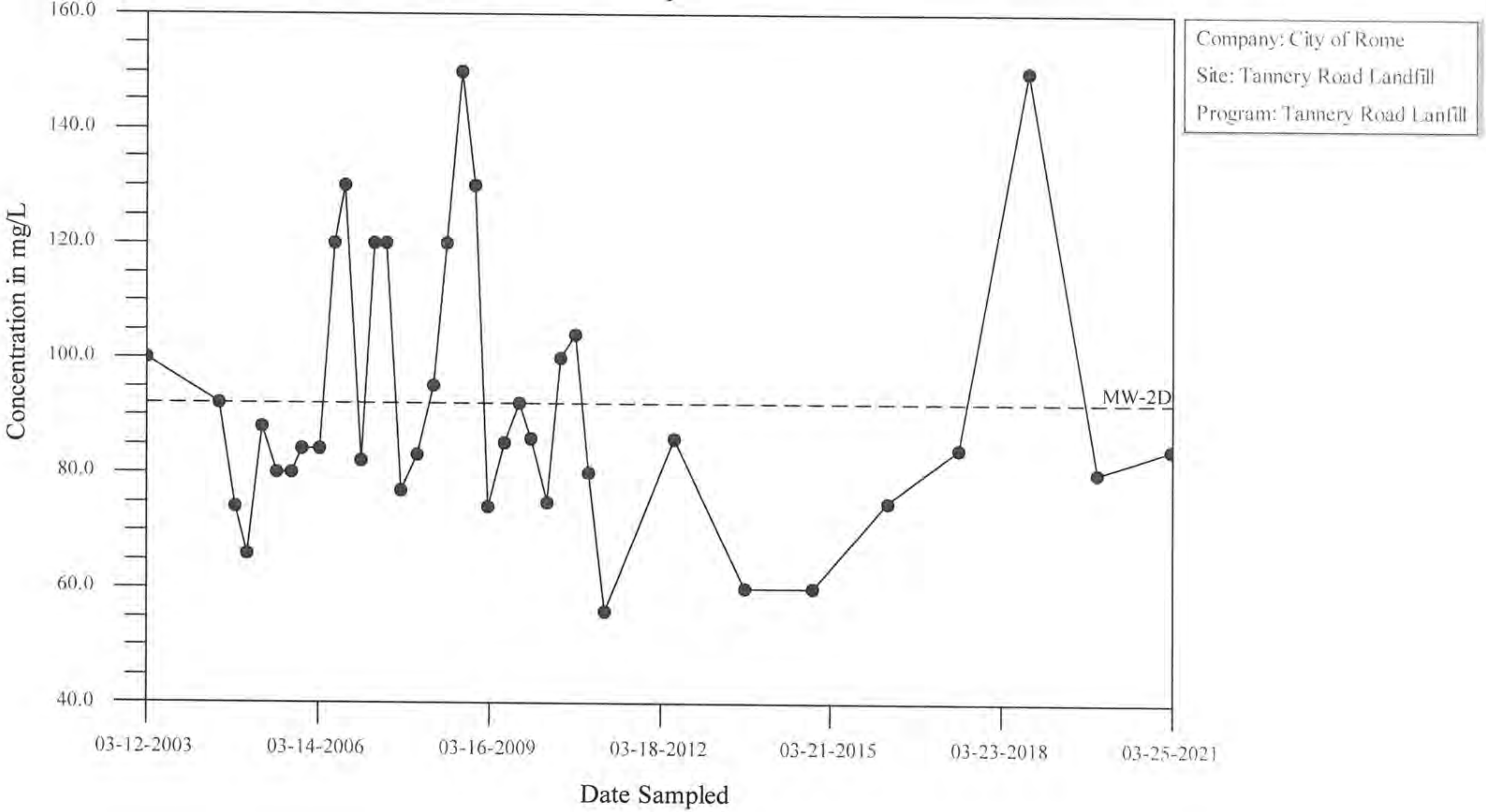
Time-Series Plot

Potassium, MW-2D

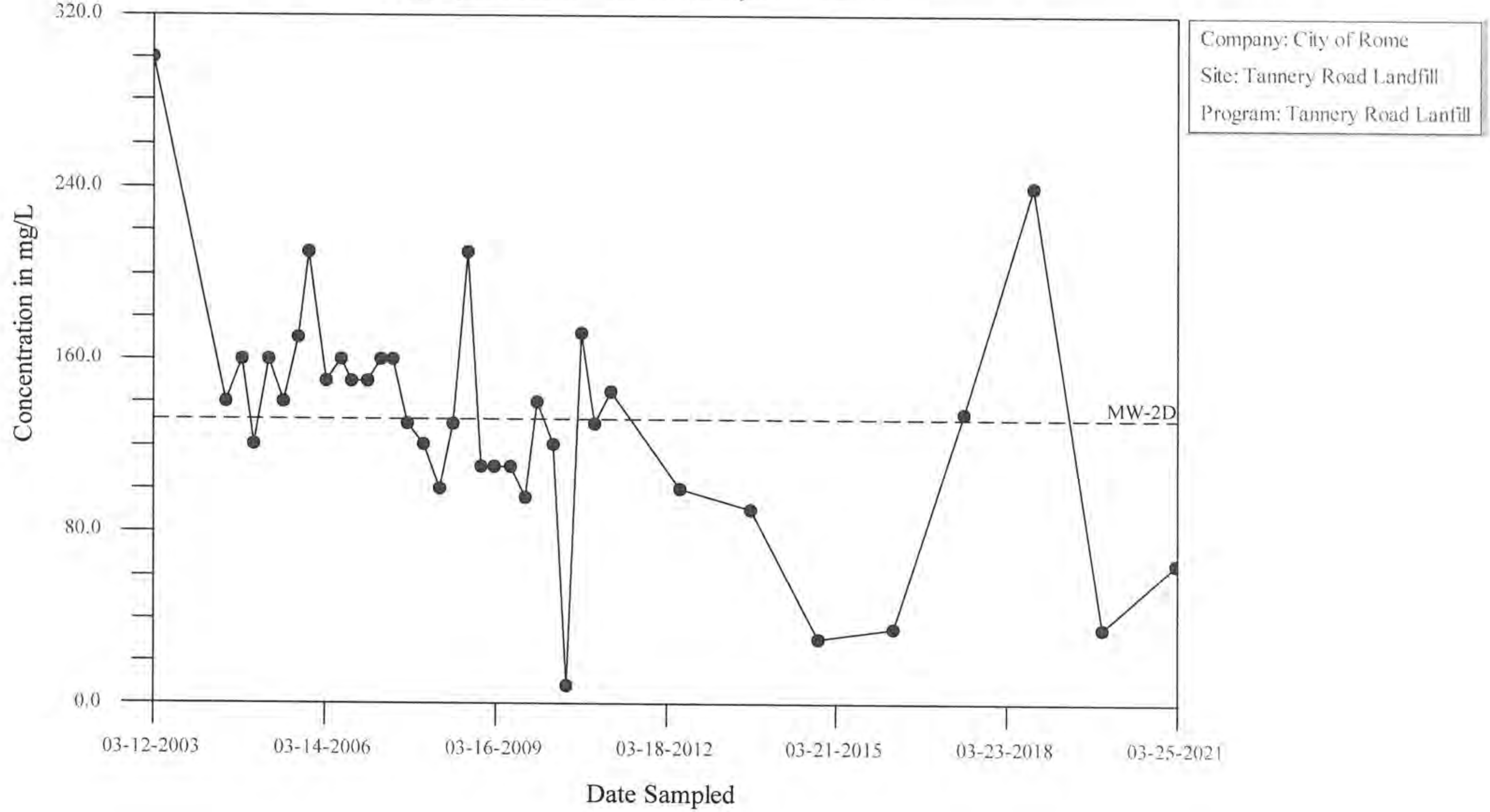


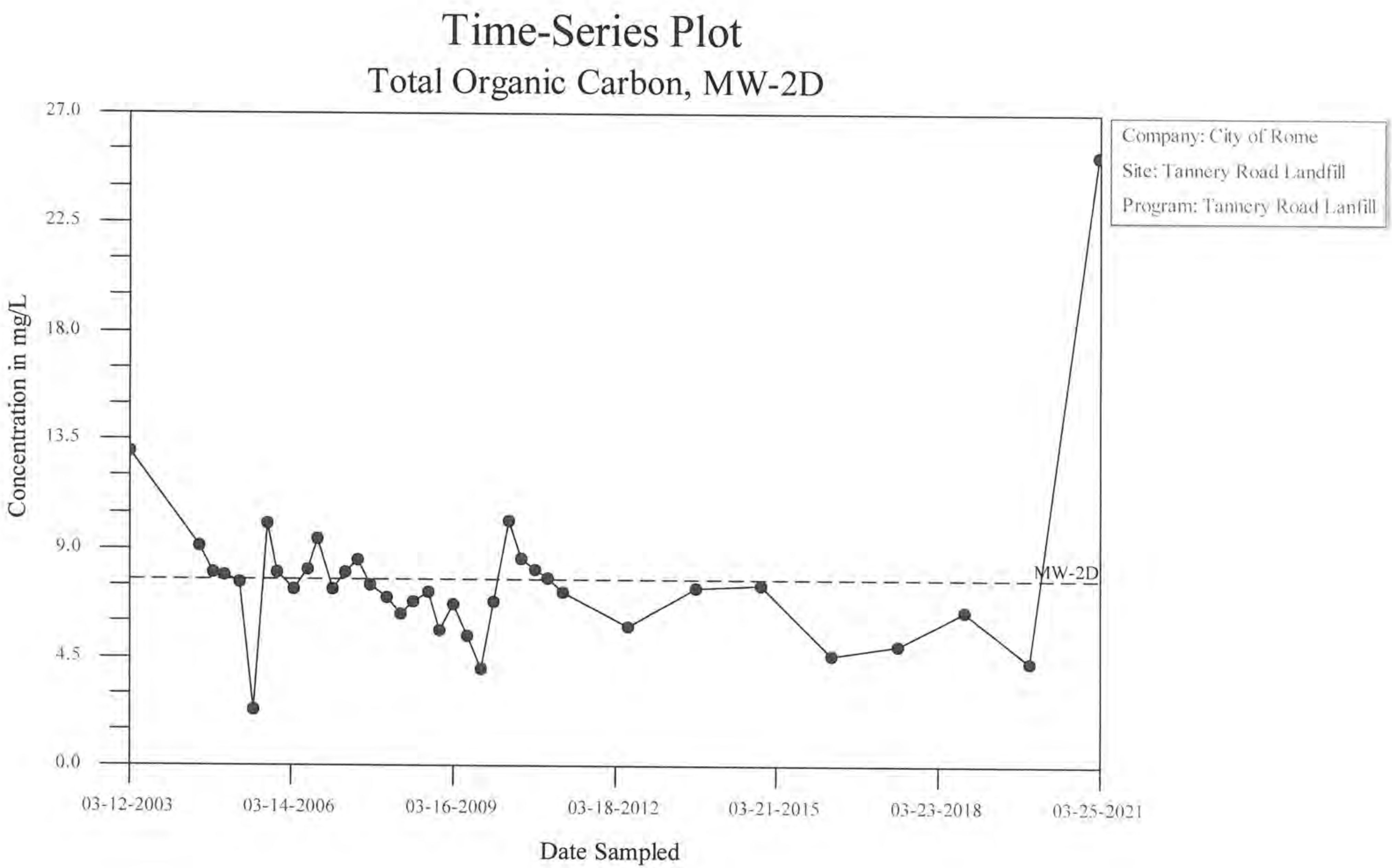

Time-Series Plot
Sodium, MW-2D
Concentration in mg/L
0.0
1.0
2.0
3.0
4.0
5.0
6.0
MW-2D
03-12-2003
03-14-2006
03-16-2009
03-18-2012
03-21-2015
03-23-2018
03-25-2021
Date Sampled
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot
Total Alkalinity, MW-2D



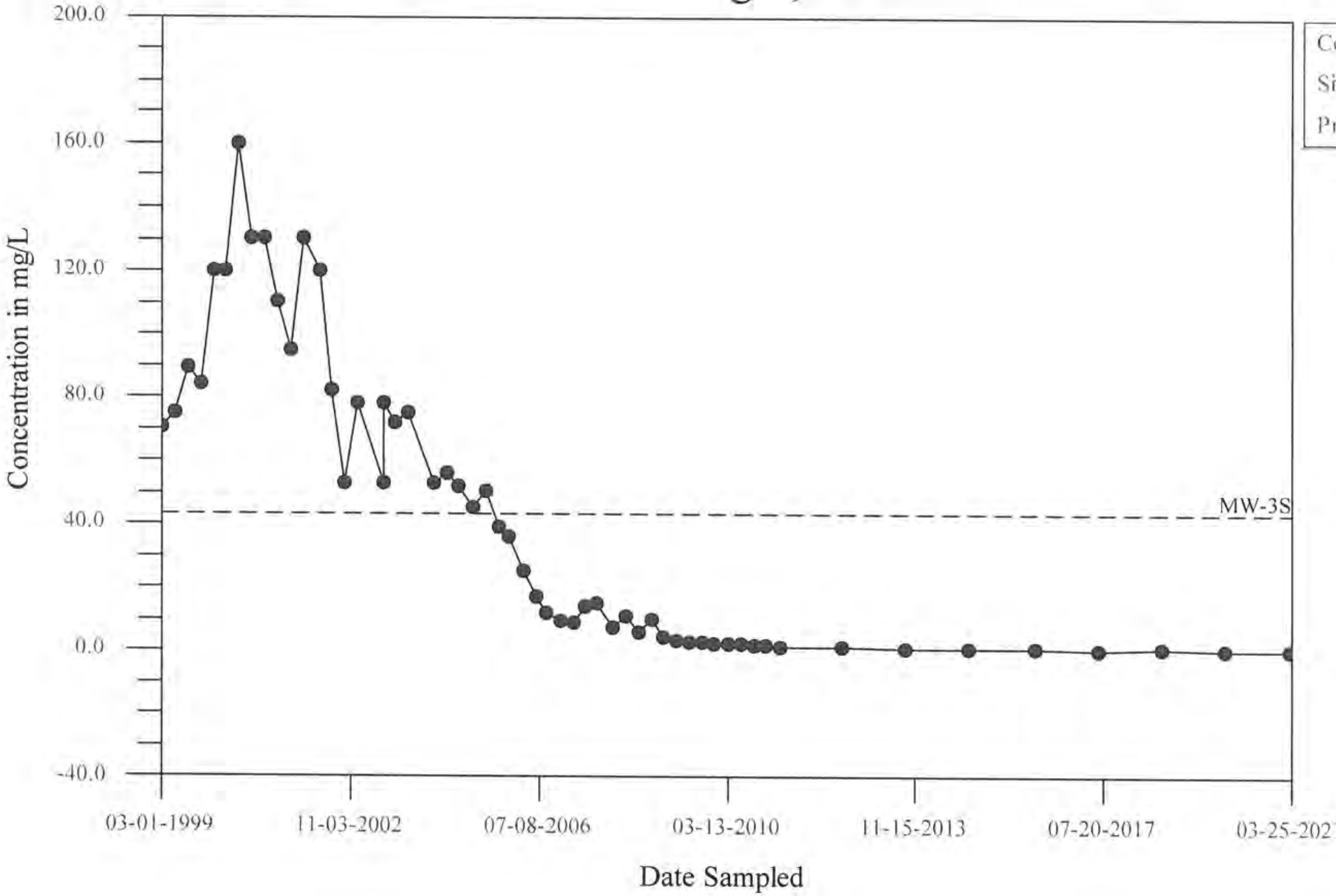
Time-Series Plot
Total Dissolved Solids, MW-2D





Time-Series Plot
Total Organic Carbon, MW-2D
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill
Concentration in mg/L
27.0
22.5
18.0
13.5
9.0
4.5
0.0
MW-2D
03-12-2003
03-14-2006
03-16-2009
03-18-2012
03-21-2015
03-23-2018
03-25-2021
Date Sampled

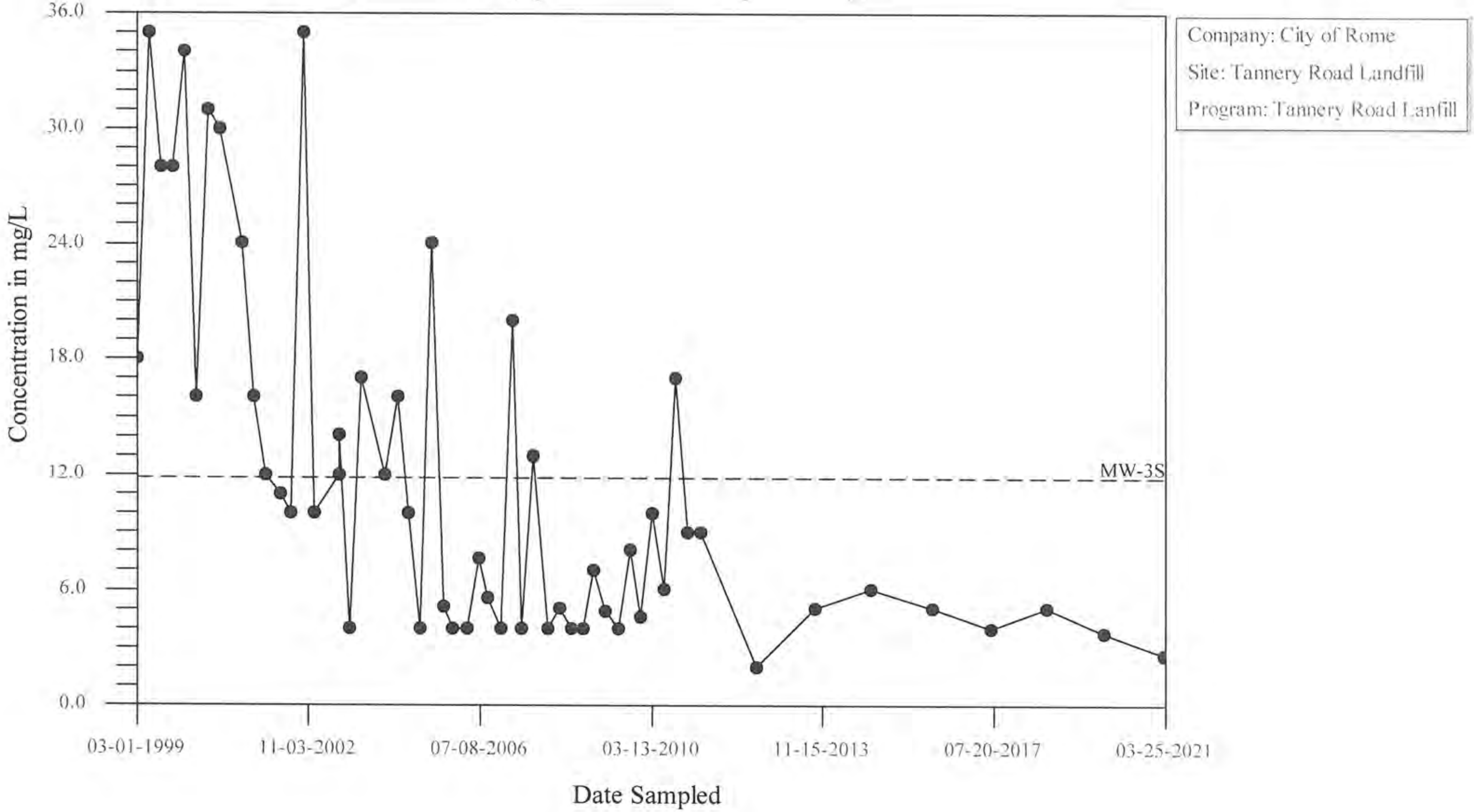
Time-Series Plot
Ammonia-Nitrogen, MW-3S

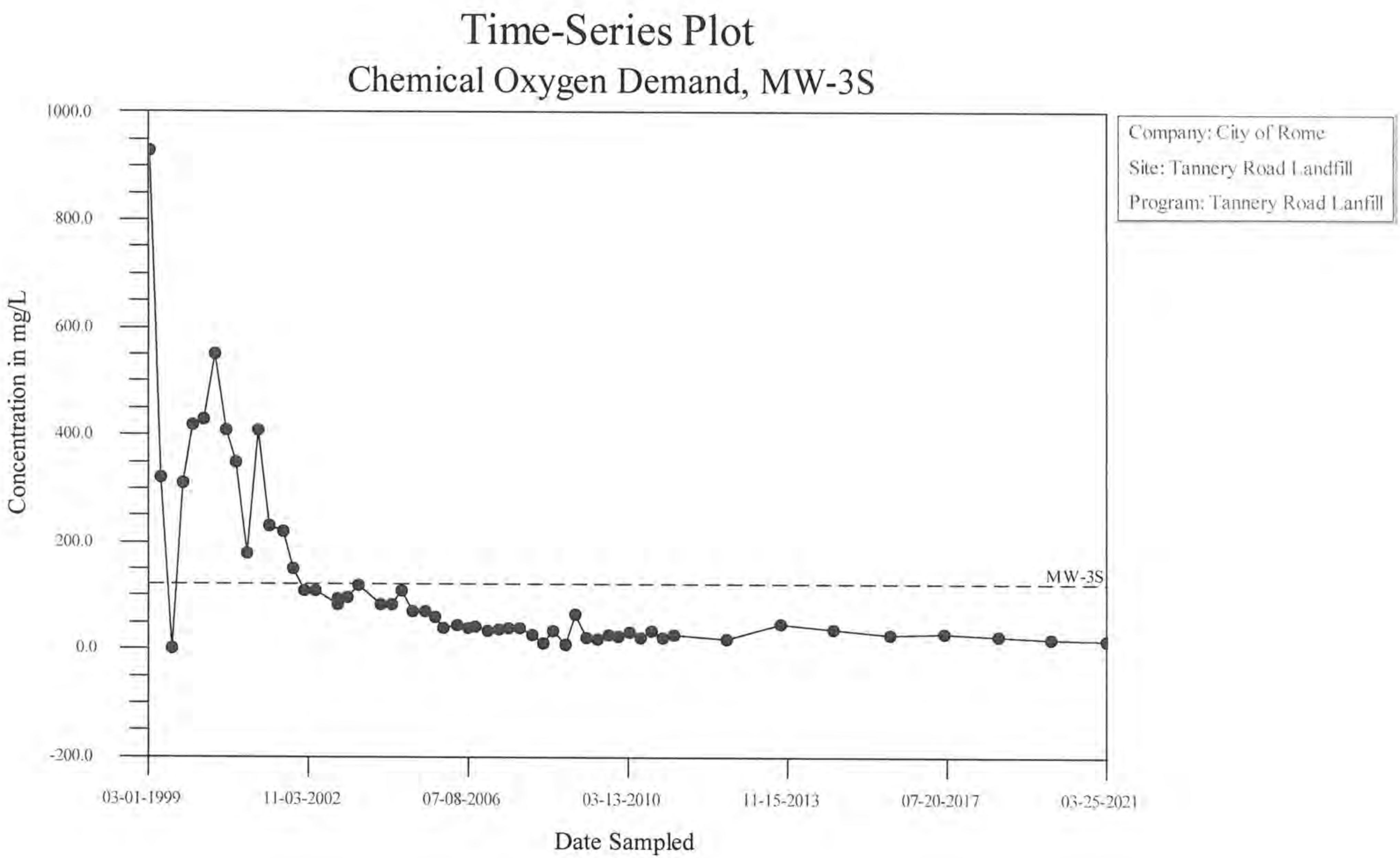


Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot

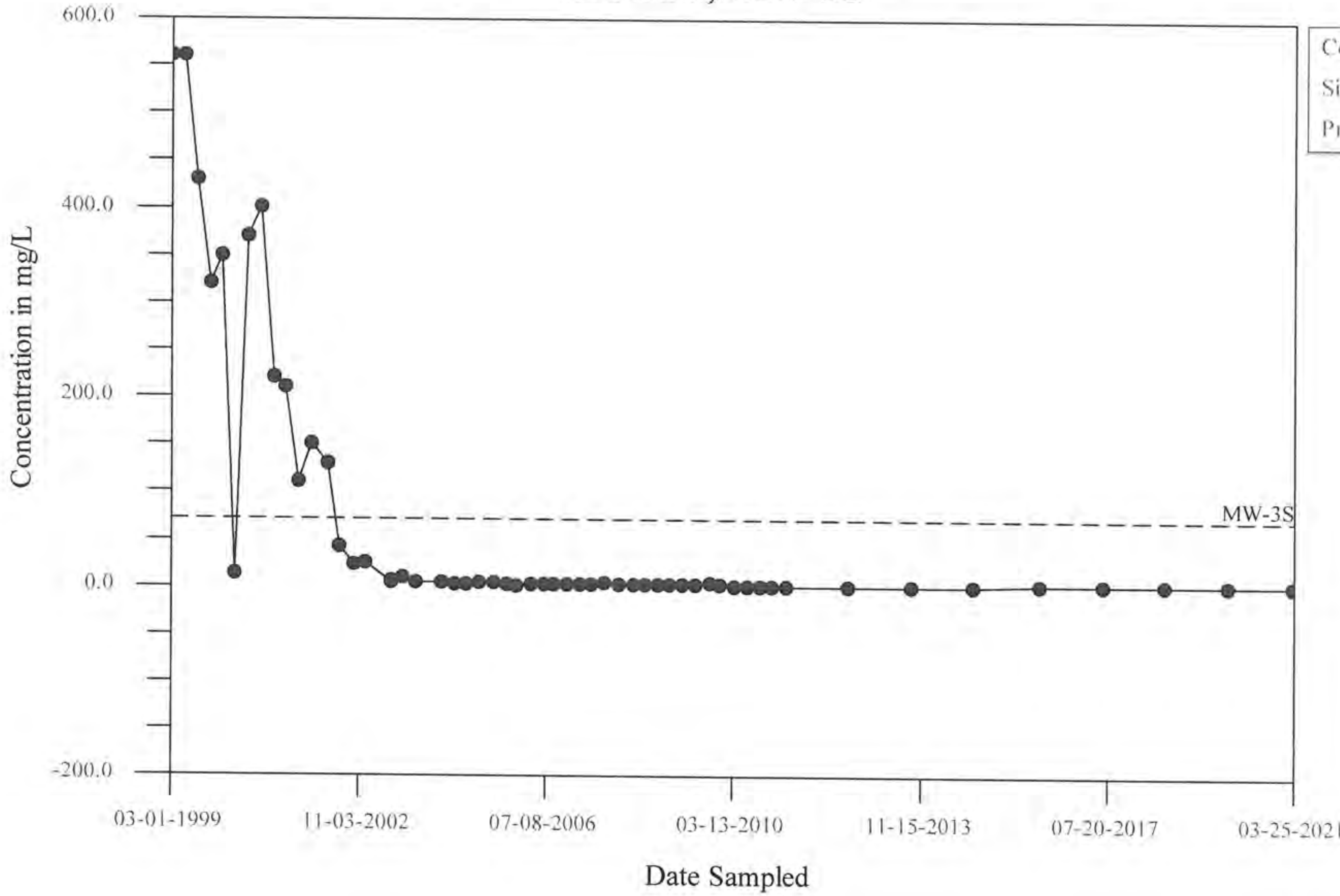
Biochemical Oxygen Demand (BOD5), MW-3S



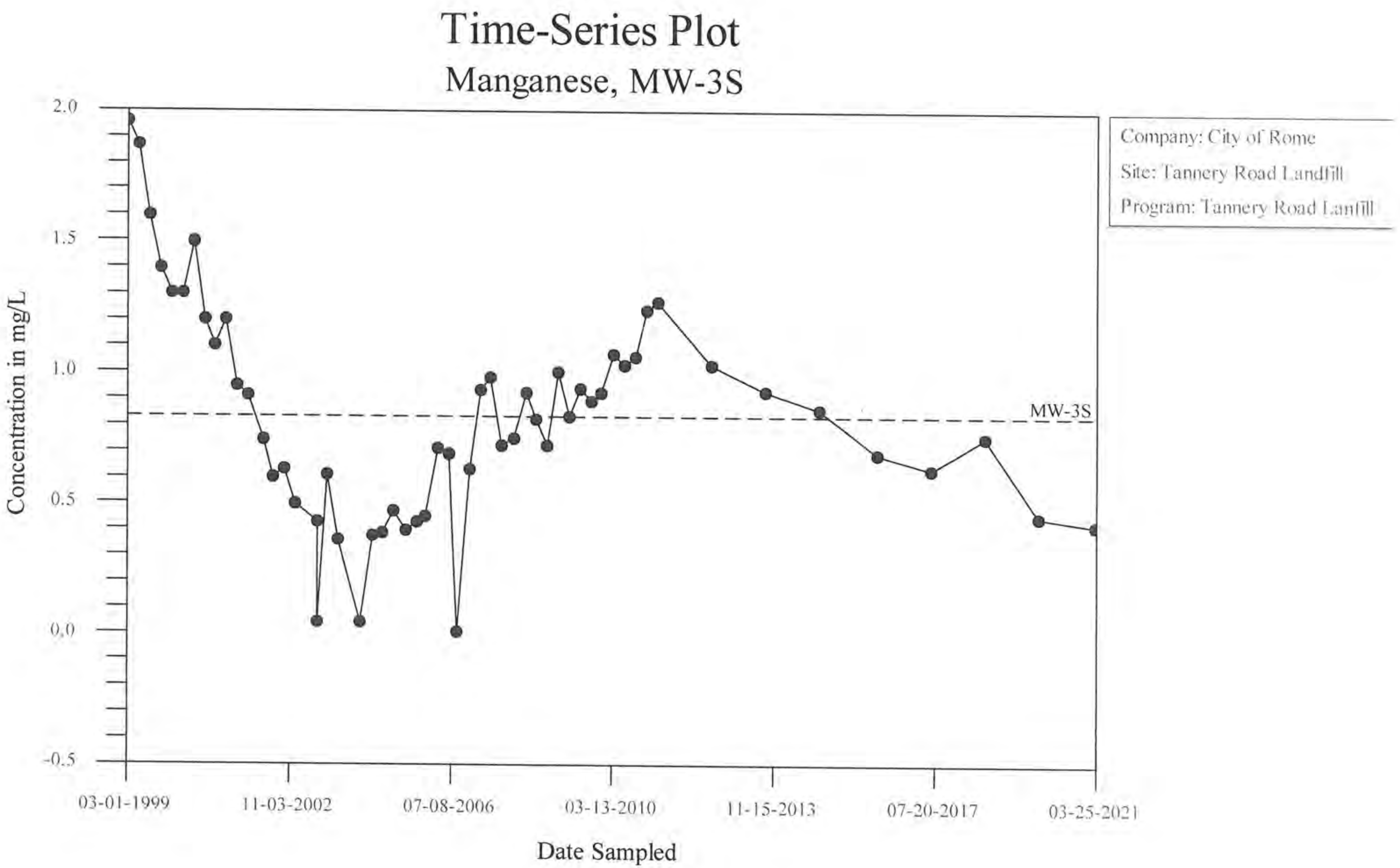


Time-Series Plot
Chemical Oxygen Demand, MW-3S
Concentration in mg/L
1000.0
800.0
600.0
400.0
200.0
0.0
-200.0
MW-3S
03-01-1999
11-03-2002
07-08-2006
03-13-2010
11-15-2013
07-20-2017
03-25-2021
Date Sampled
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot
Chloride, MW-3S

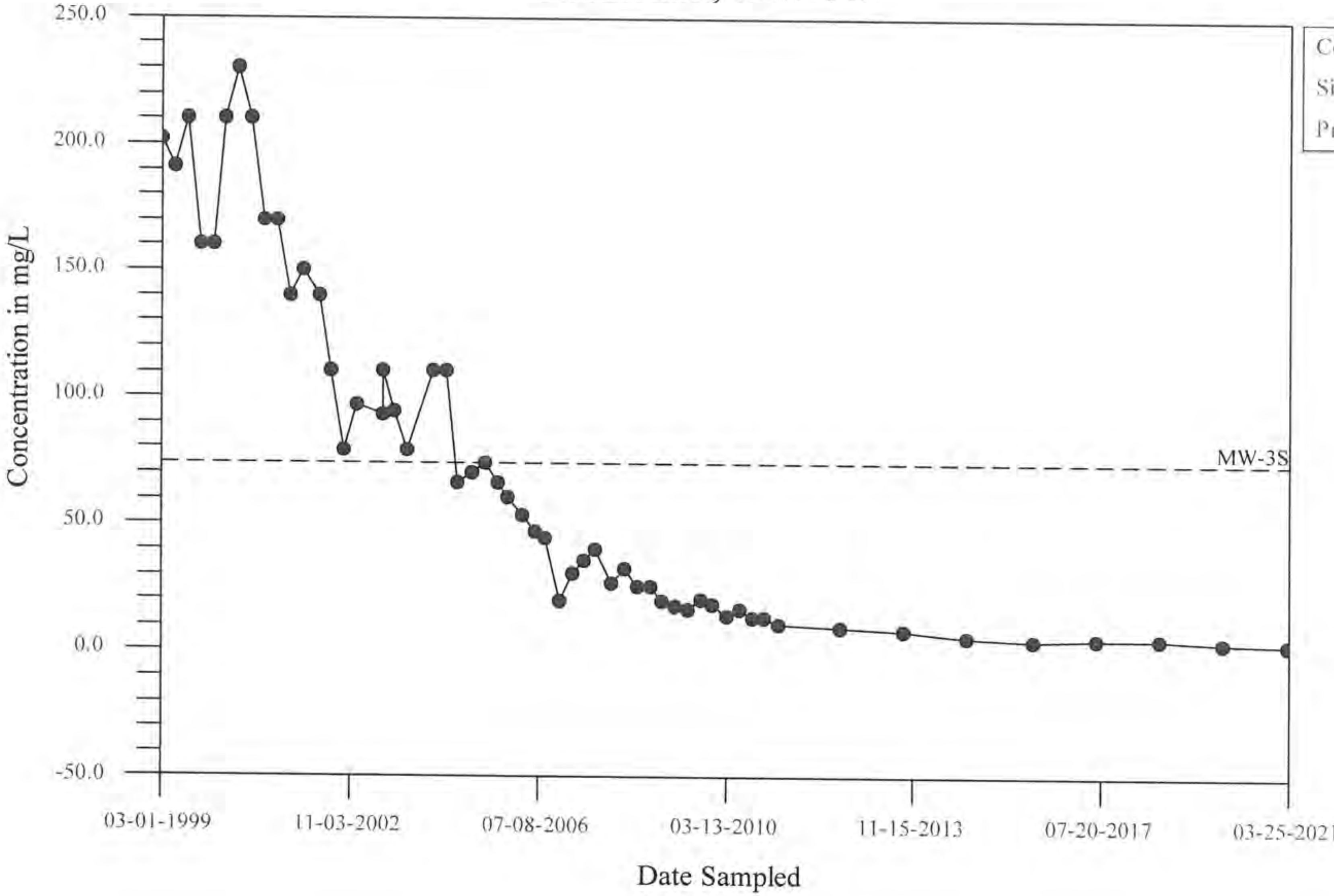


Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

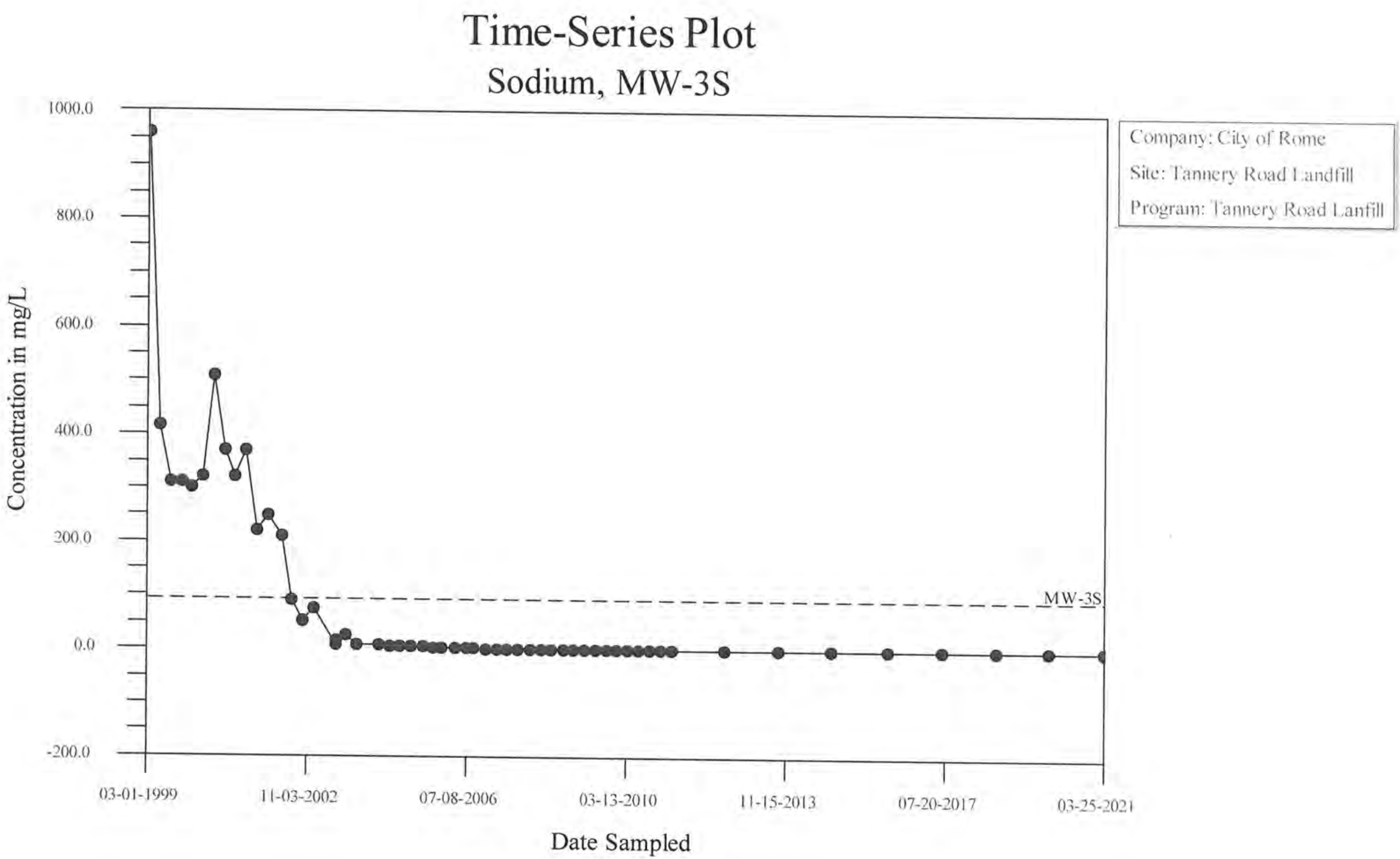


Time-Series Plot
Manganese, MW-3S
Concentration in mg/L
2.0
1.5
1.0
0.5
0.0
-0.5
MW-3S
03-01-1999
11-03-2002
07-08-2006
03-13-2010
11-15-2013
07-20-2017
03-25-2021
Date Sampled
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

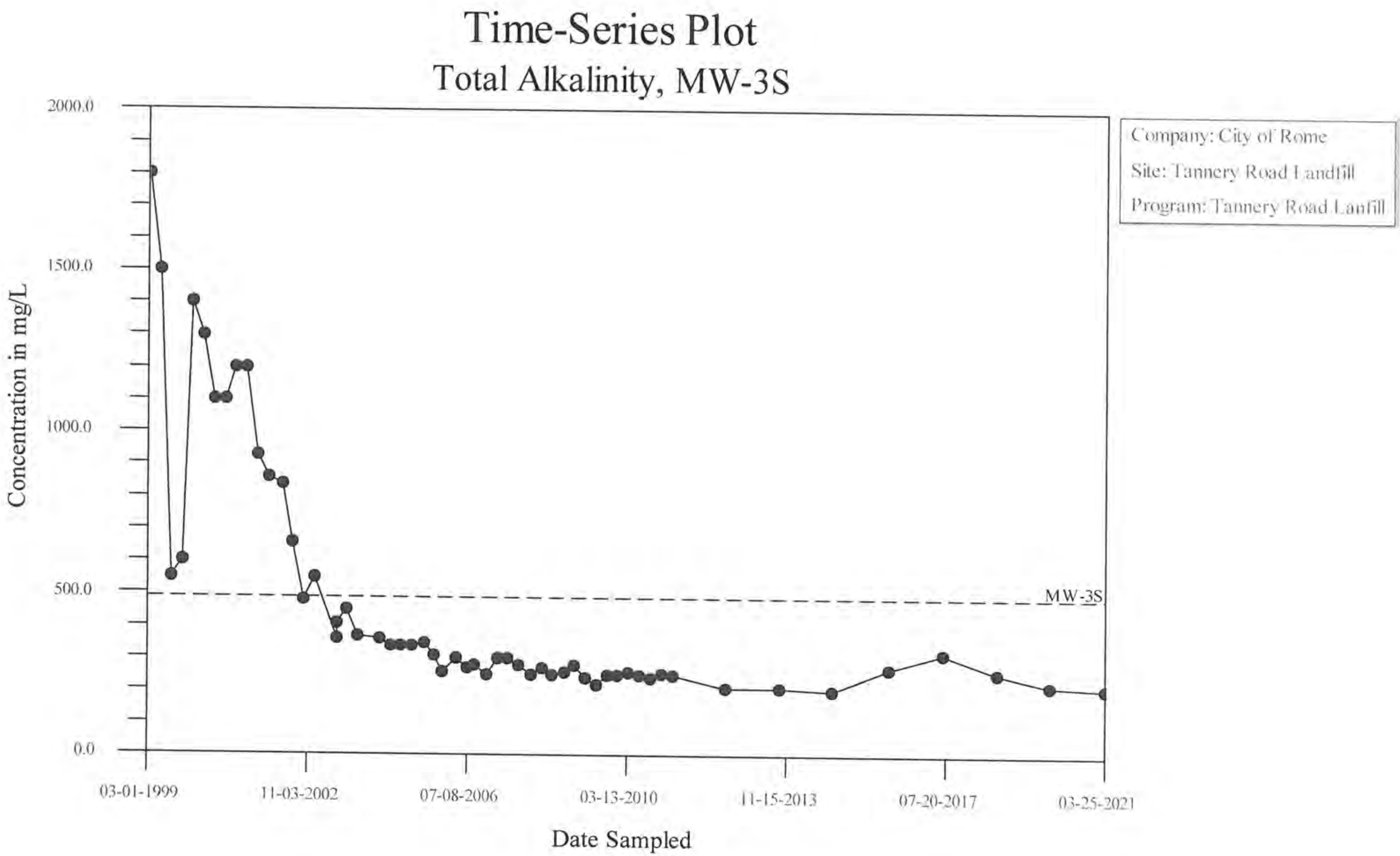
Time-Series Plot
Potassium, MW-3S



Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

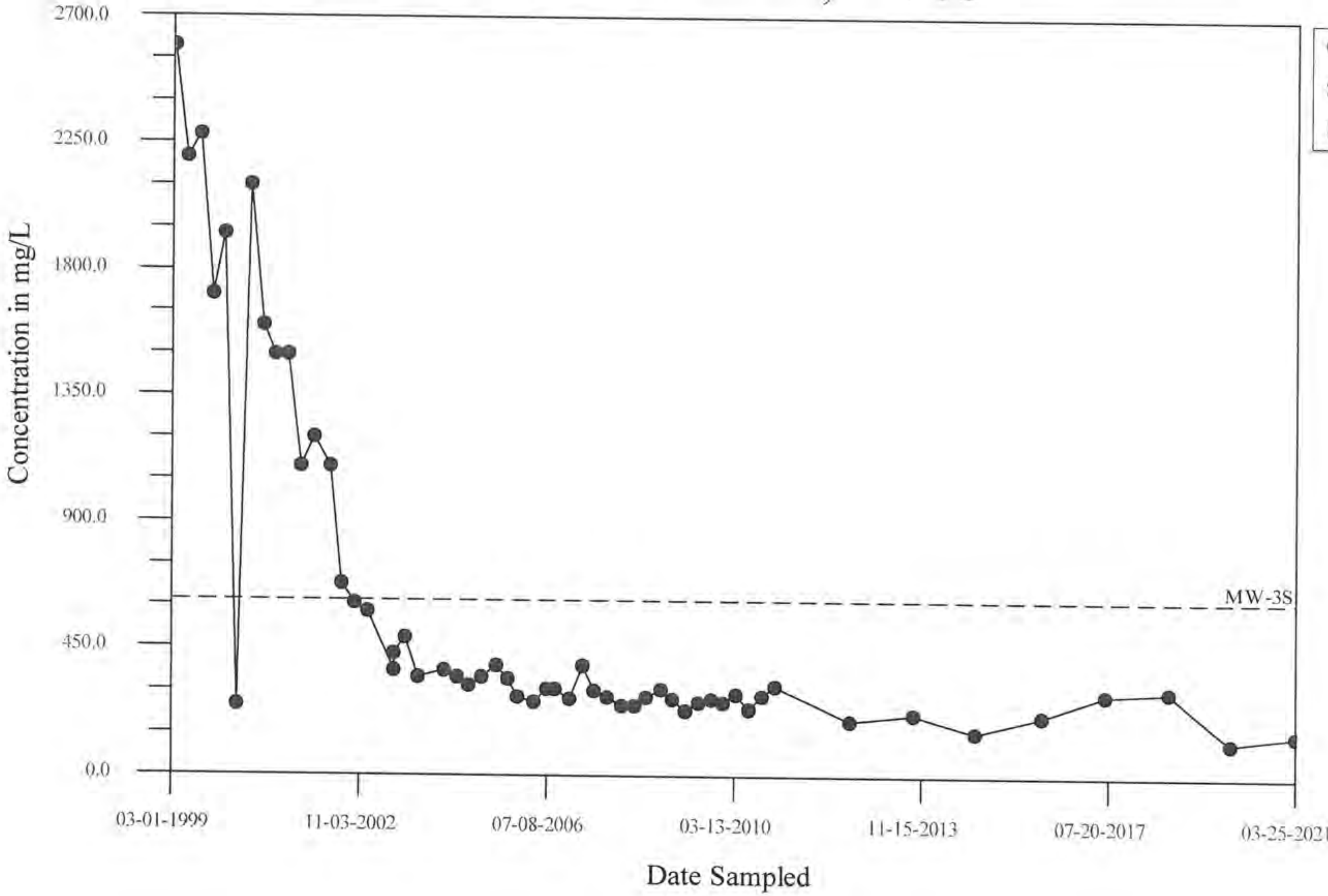


Time-Series Plot
Sodium, MW-3S
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill
Concentration in mg/L
1000.0
800.0
600.0
400.0
200.0
0.0
-200.0
MW-3S
03-01-1999
11-03-2002
07-08-2006
03-13-2010
11-15-2013
07-20-2017
03-25-2021
Date Sampled


Time-Series Plot
Total Alkalinity, MW-3S
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill
Concentration in mg/L
2000.0
1500.0
1000.0
500.0
0.0
MW-3S
03-01-1999
11-03-2002
07-08-2006
03-13-2010
11-15-2013
07-20-2017
03-25-2021
Date Sampled

Time-Series Plot

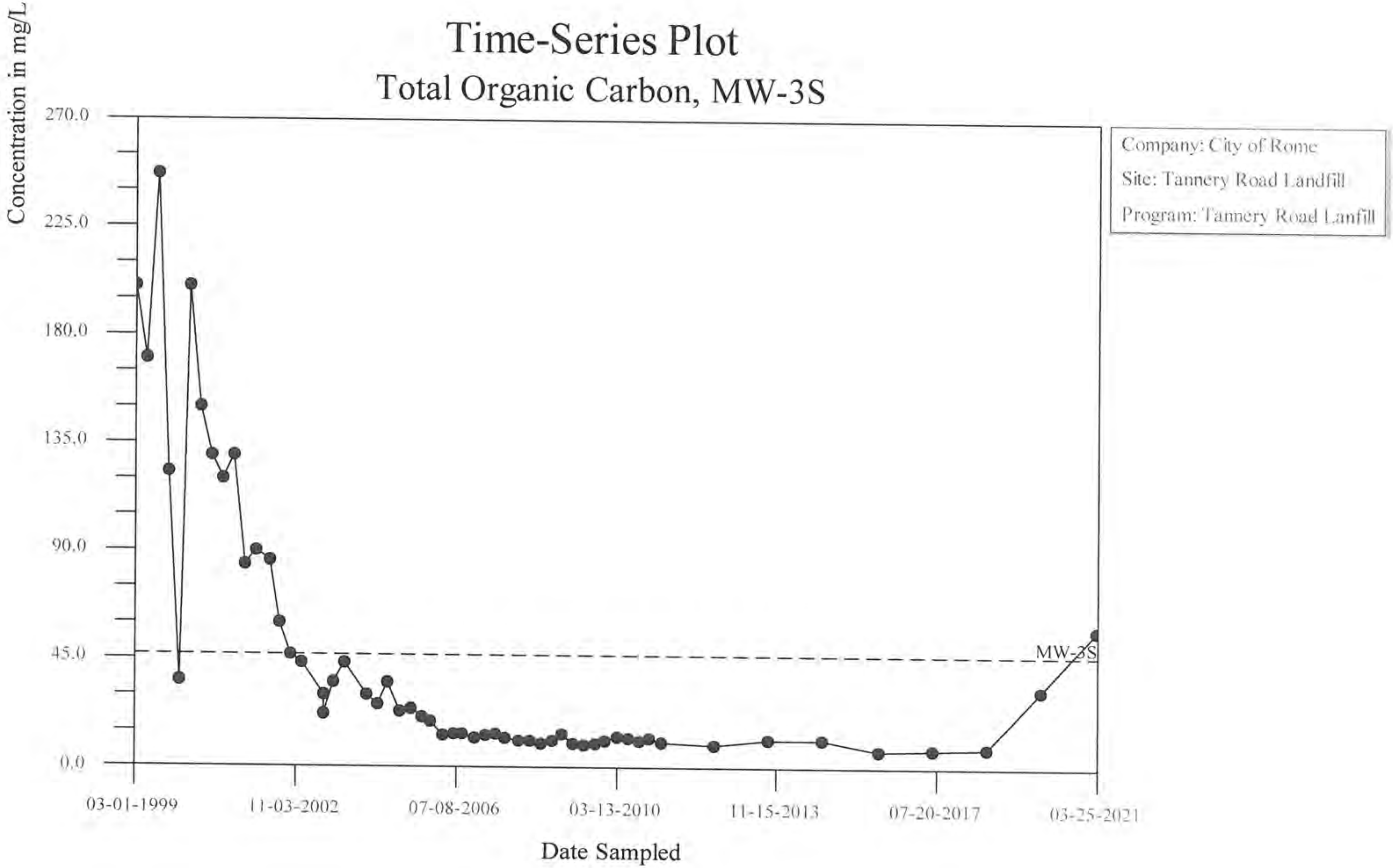
Total Dissolved Solids, MW-3S



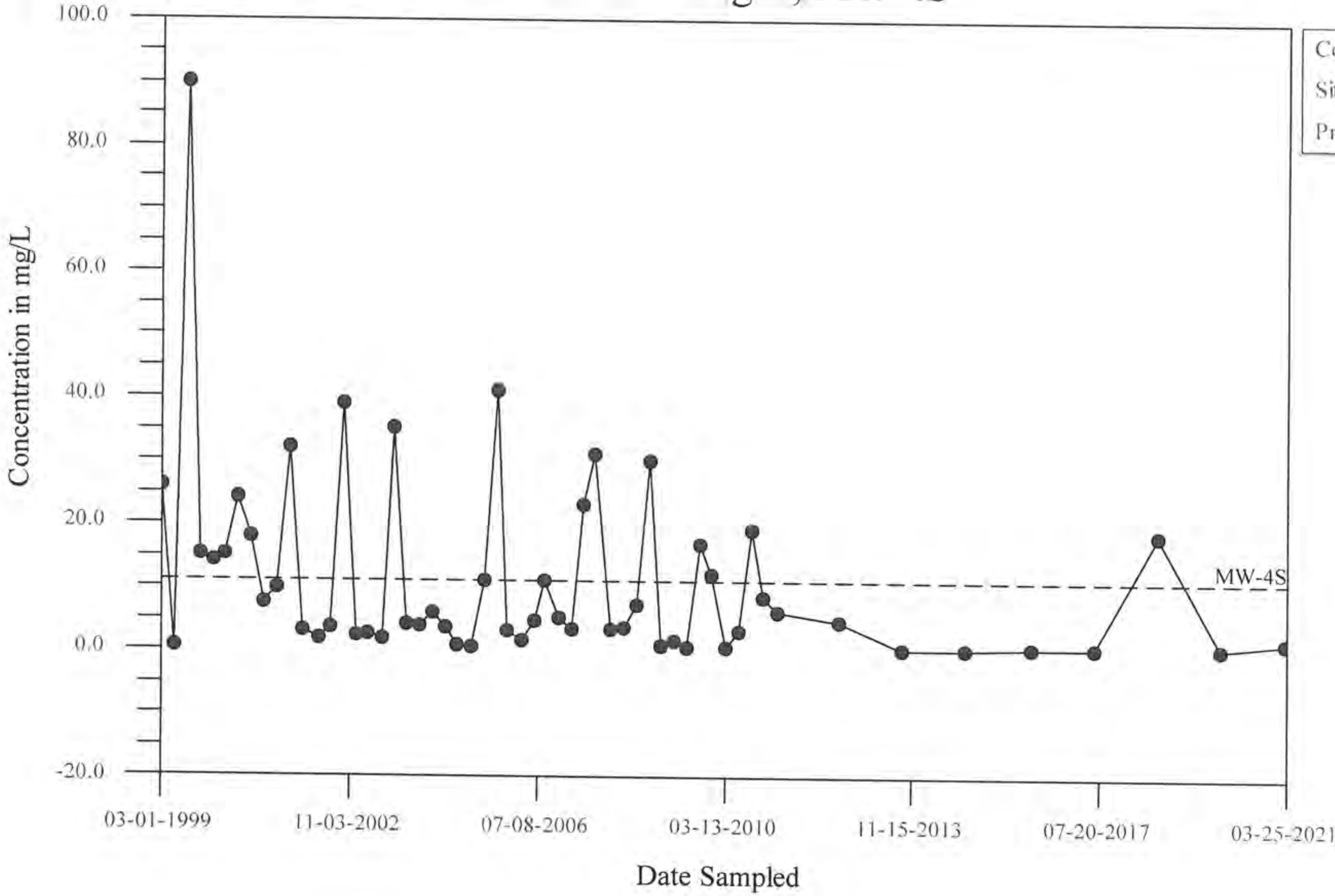
Company: City of Rome

Site: Tannery Road Landfill

Program: Tannery Road Lanfill


Time-Series Plot
Total Organic Carbon, MW-3S
Concentration in mg/L
270.0
225.0
180.0
135.0
90.0
45.0
0.0
MW-3S
03-01-1999
11-03-2002
07-08-2006
03-13-2010
11-15-2013
07-20-2017
03-25-2021
Date Sampled
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

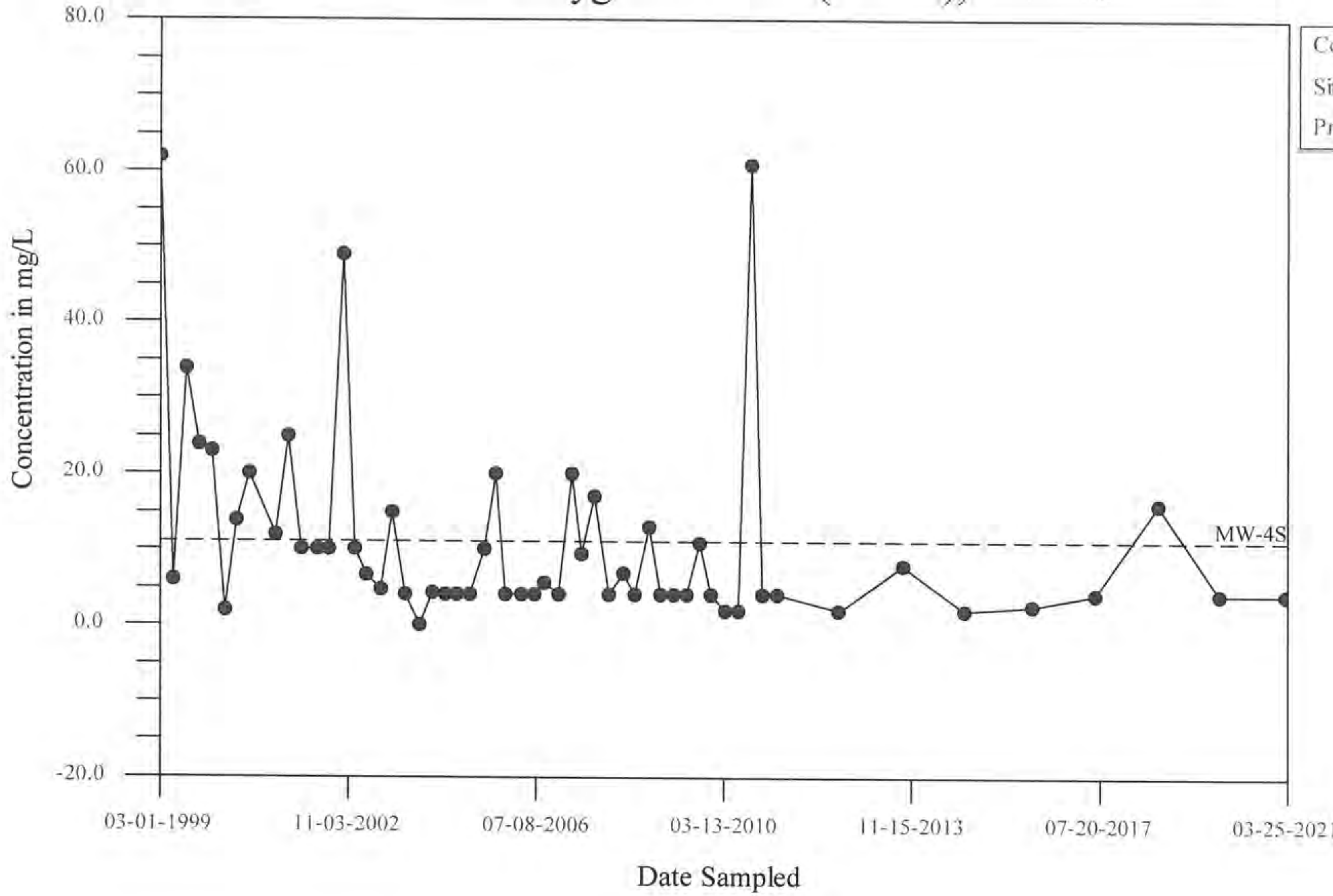
Time-Series Plot
Ammonia-Nitrogen, MW-4S



Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot

Biochemical Oxygen Demand (BOD5), MW-4S



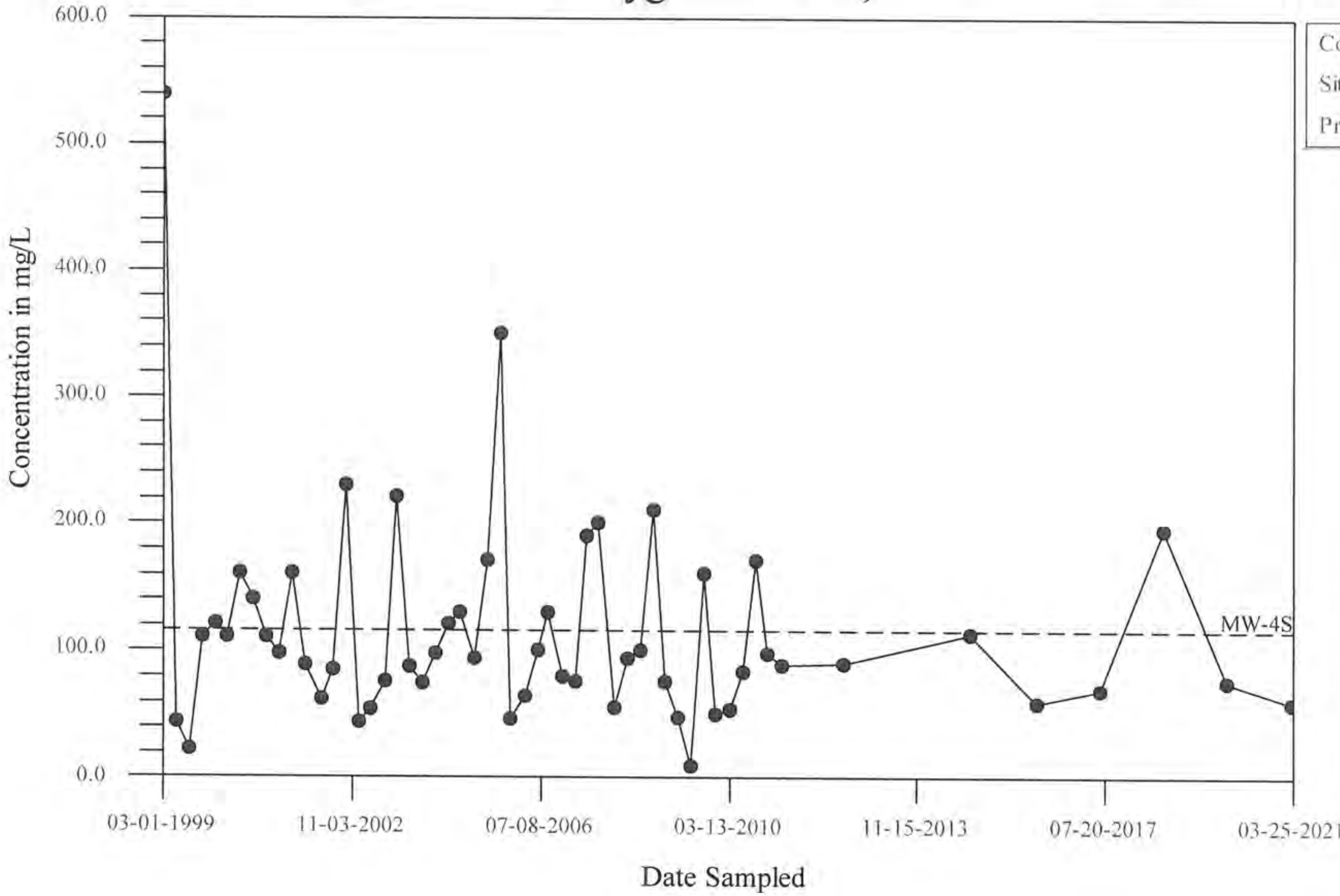
Company: City of Rome

Site: Tannery Road Landfill

Program: Tannery Road Lanfill

Time-Series Plot

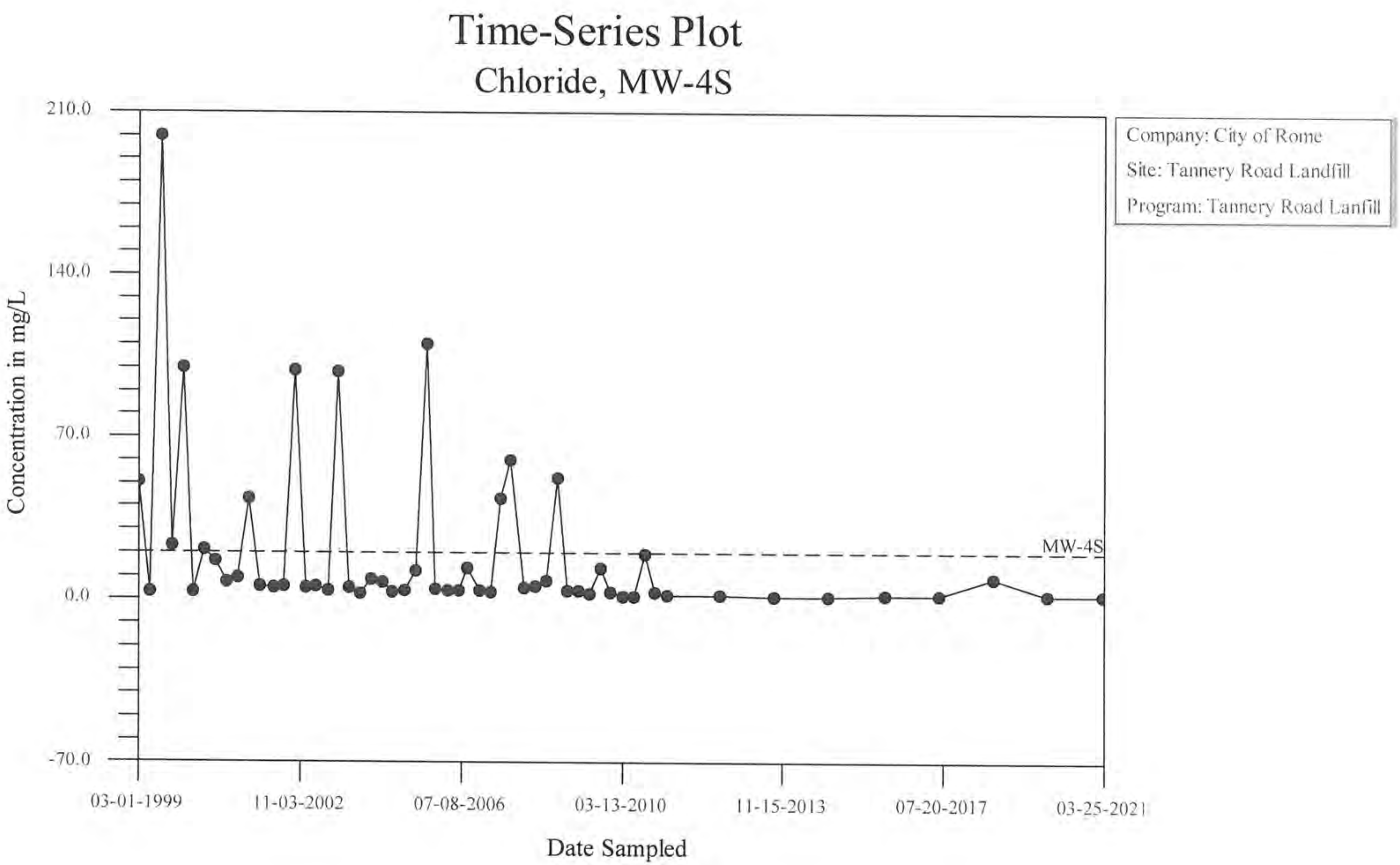
Chemical Oxygen Demand, MW-4S



Company: City of Rome

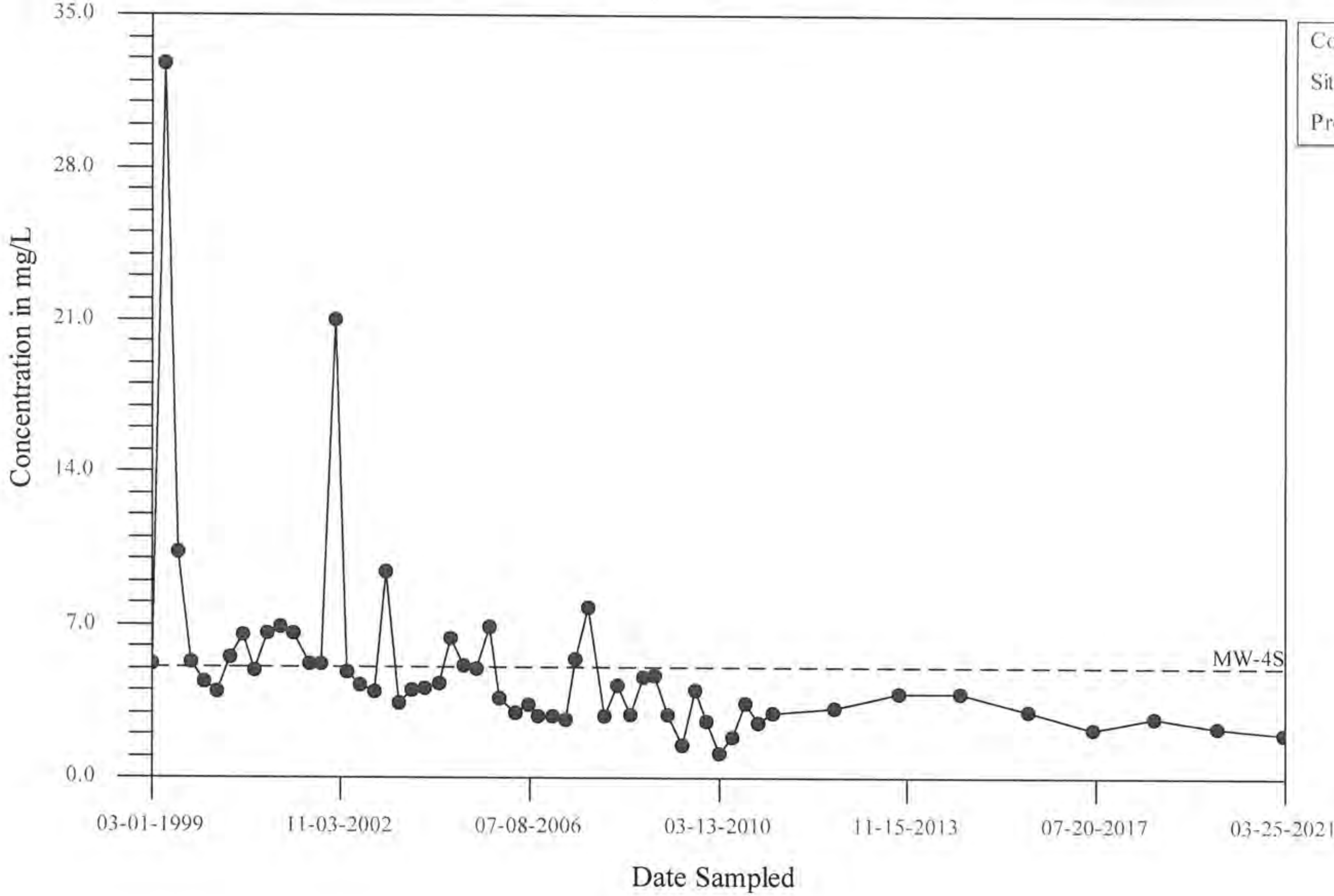
Site: Tannery Road Landfill

Program: Tannery Road Lanfill


Time-Series Plot
Chloride, MW-4S
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill
Concentration in mg/L
210.0
140.0
70.0
0.0
-70.0
MW-4S
03-01-1999
11-03-2002
07-08-2006
03-13-2010
11-15-2013
07-20-2017
03-25-2021
Date Sampled

Time-Series Plot

Iron, MW-4S

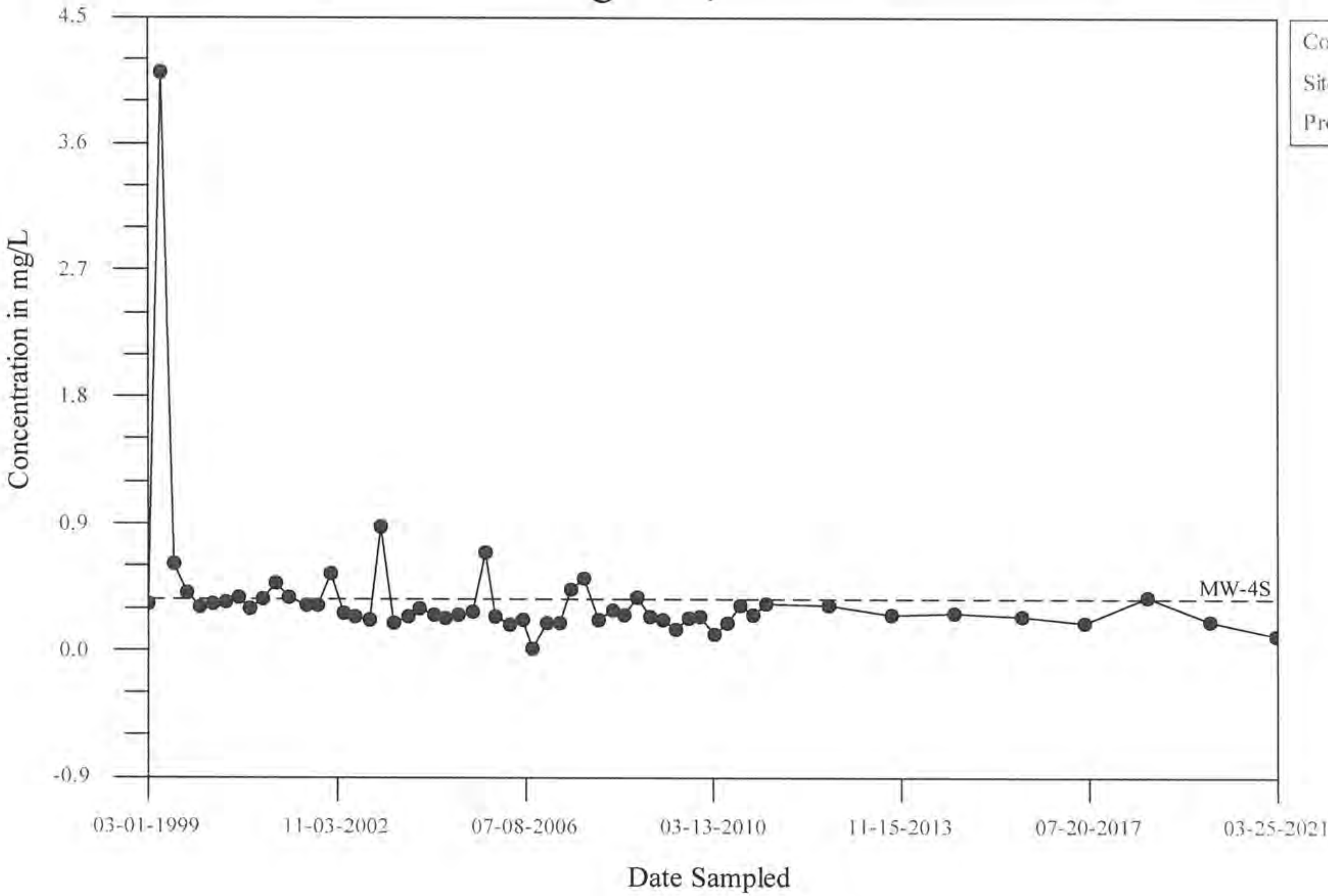


Company: City of Rome

Site: Tannery Road Landfill

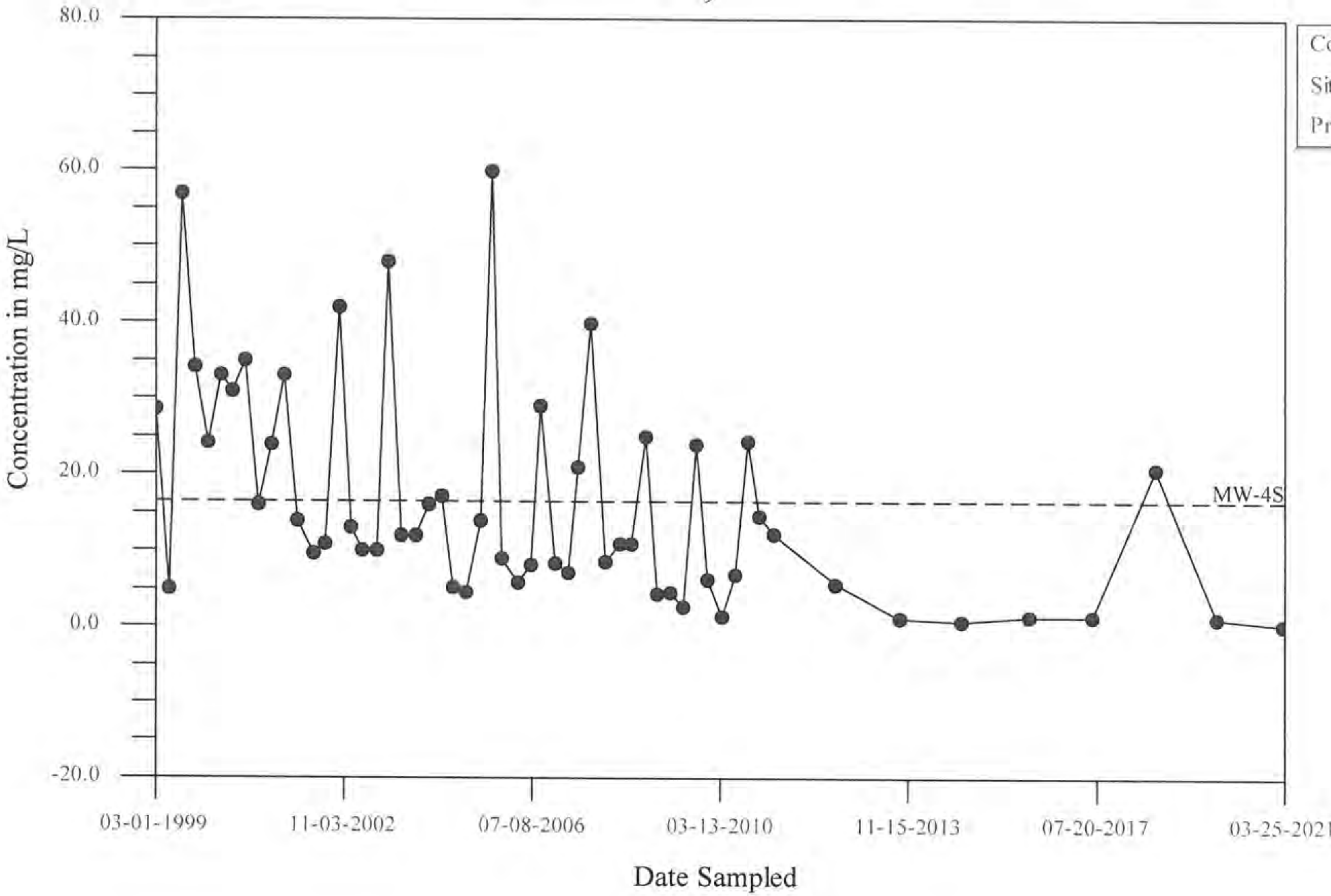
Program: Tannery Road Lanfill

Time-Series Plot
Manganese, MW-4S



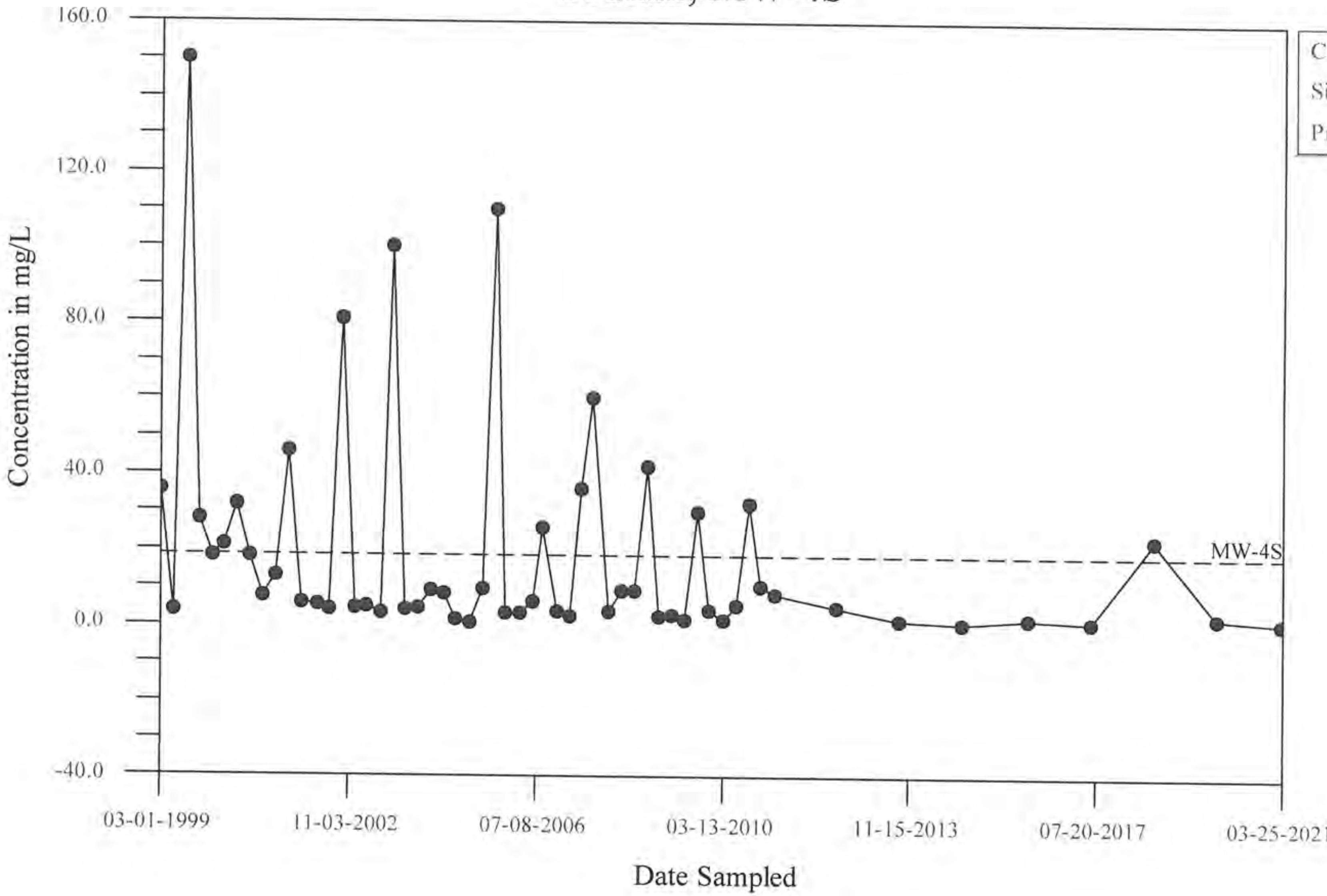
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot
Potassium, MW-4S



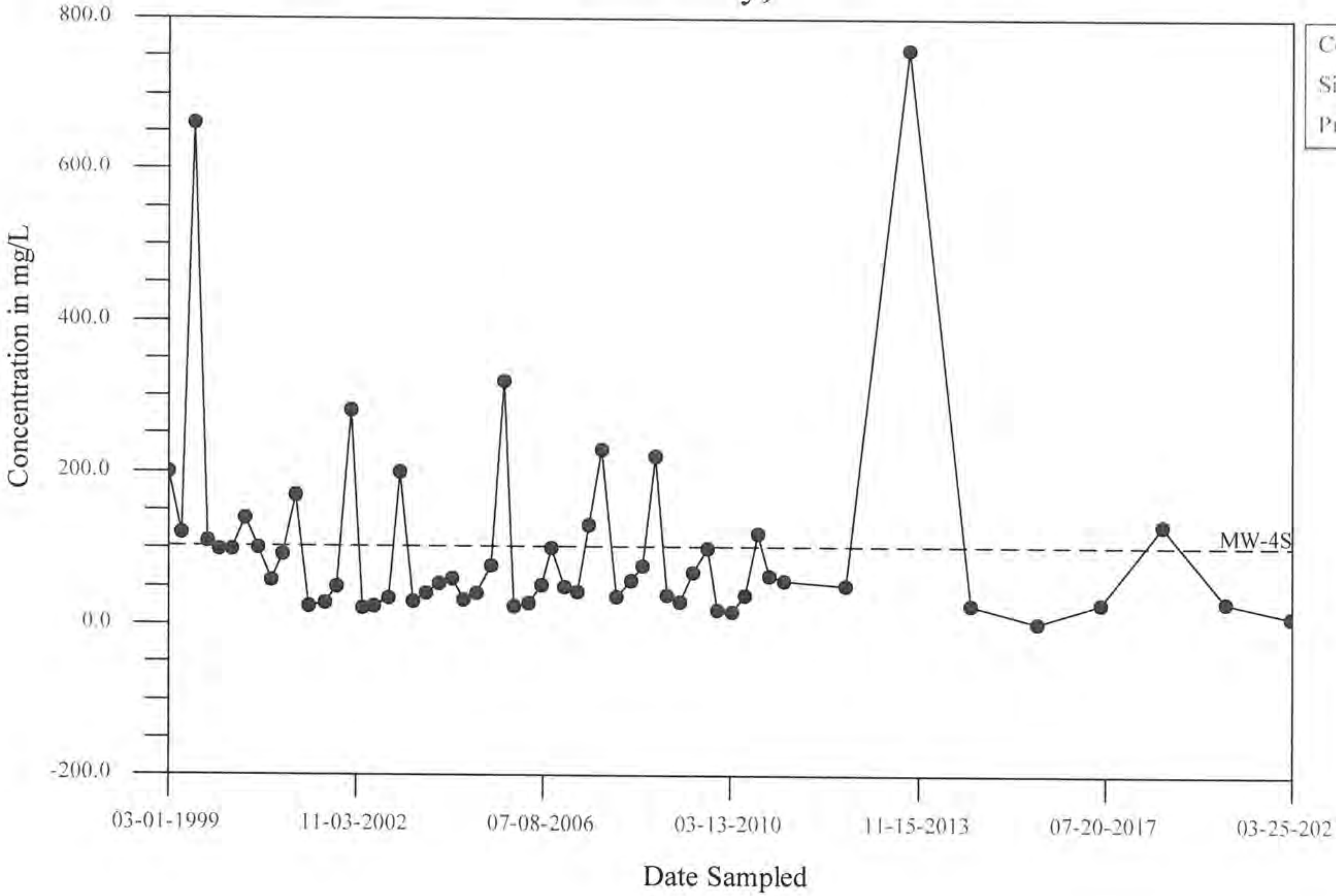
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot
Sodium, MW-4S



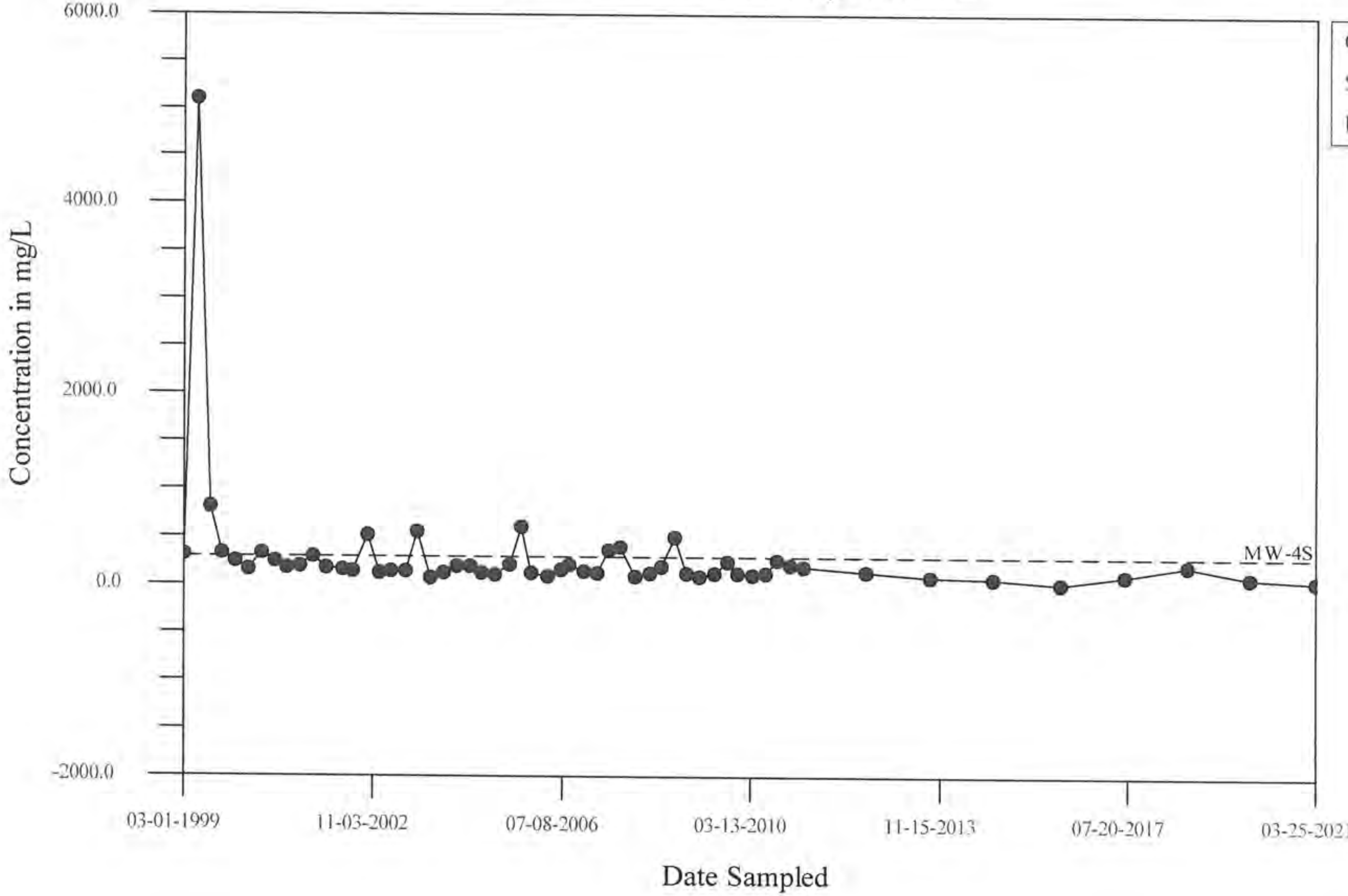
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot
Total Alkalinity, MW-4S



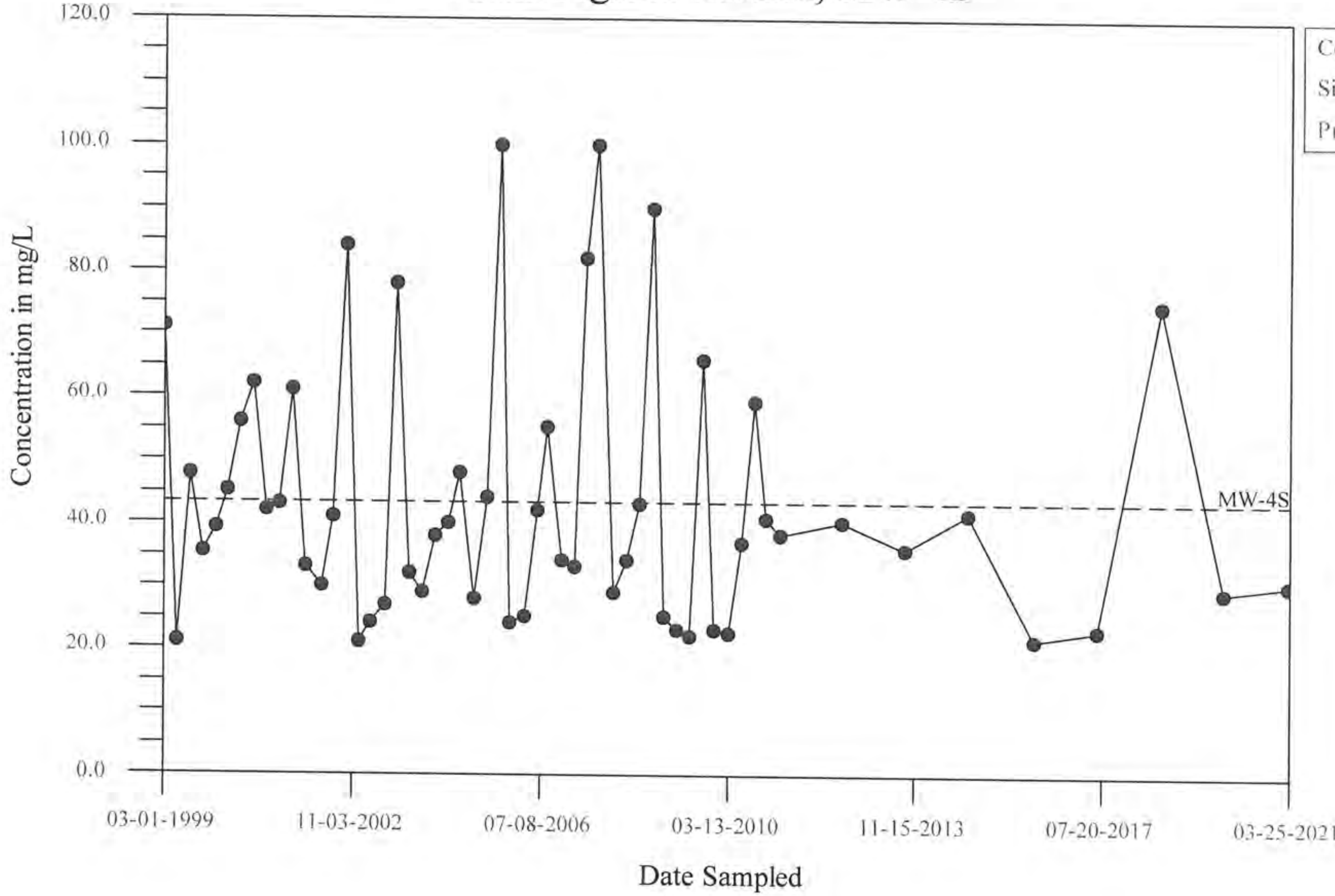
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot
Total Dissolved Solids, MW-4S

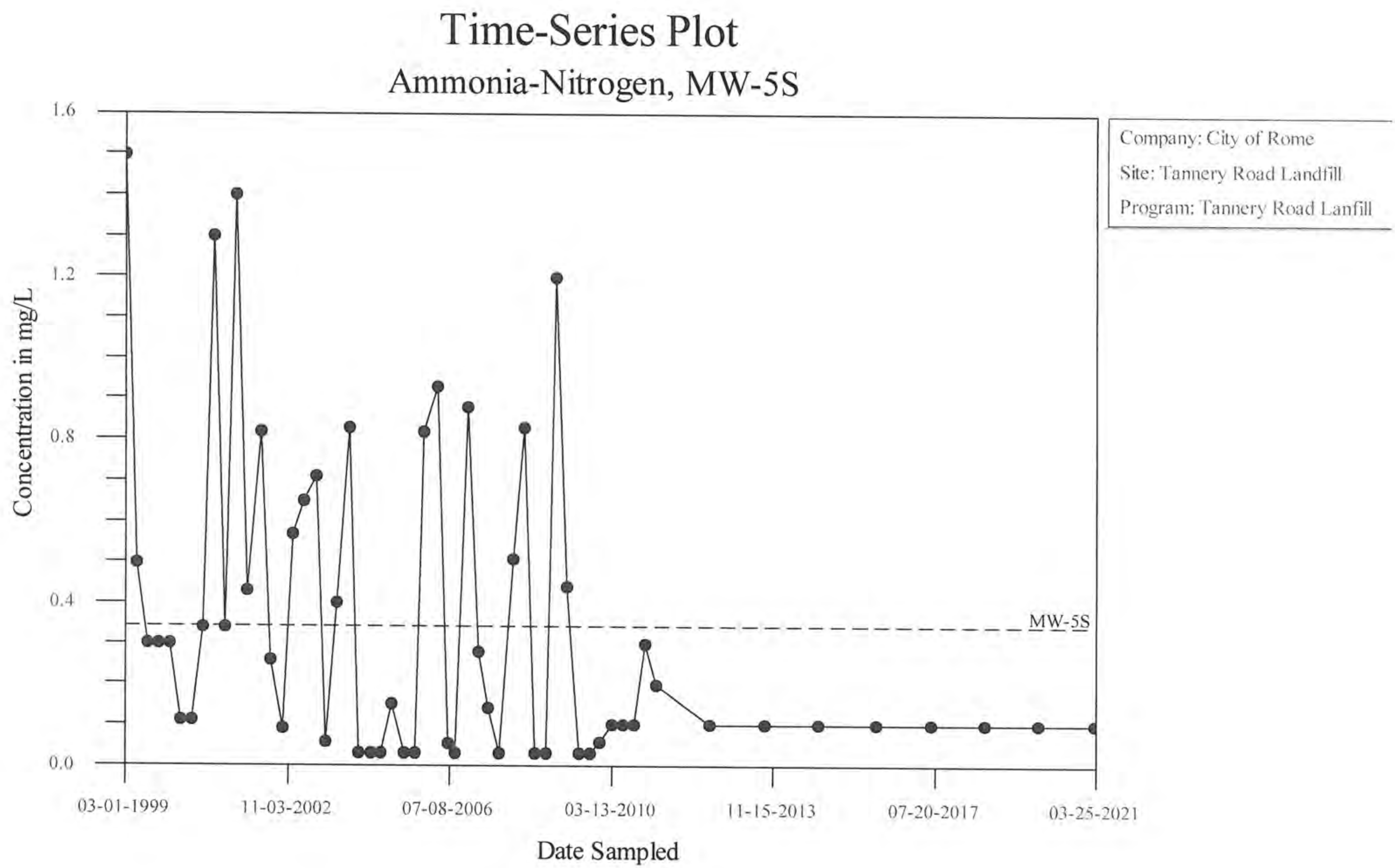


Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot
Total Organic Carbon, MW-4S

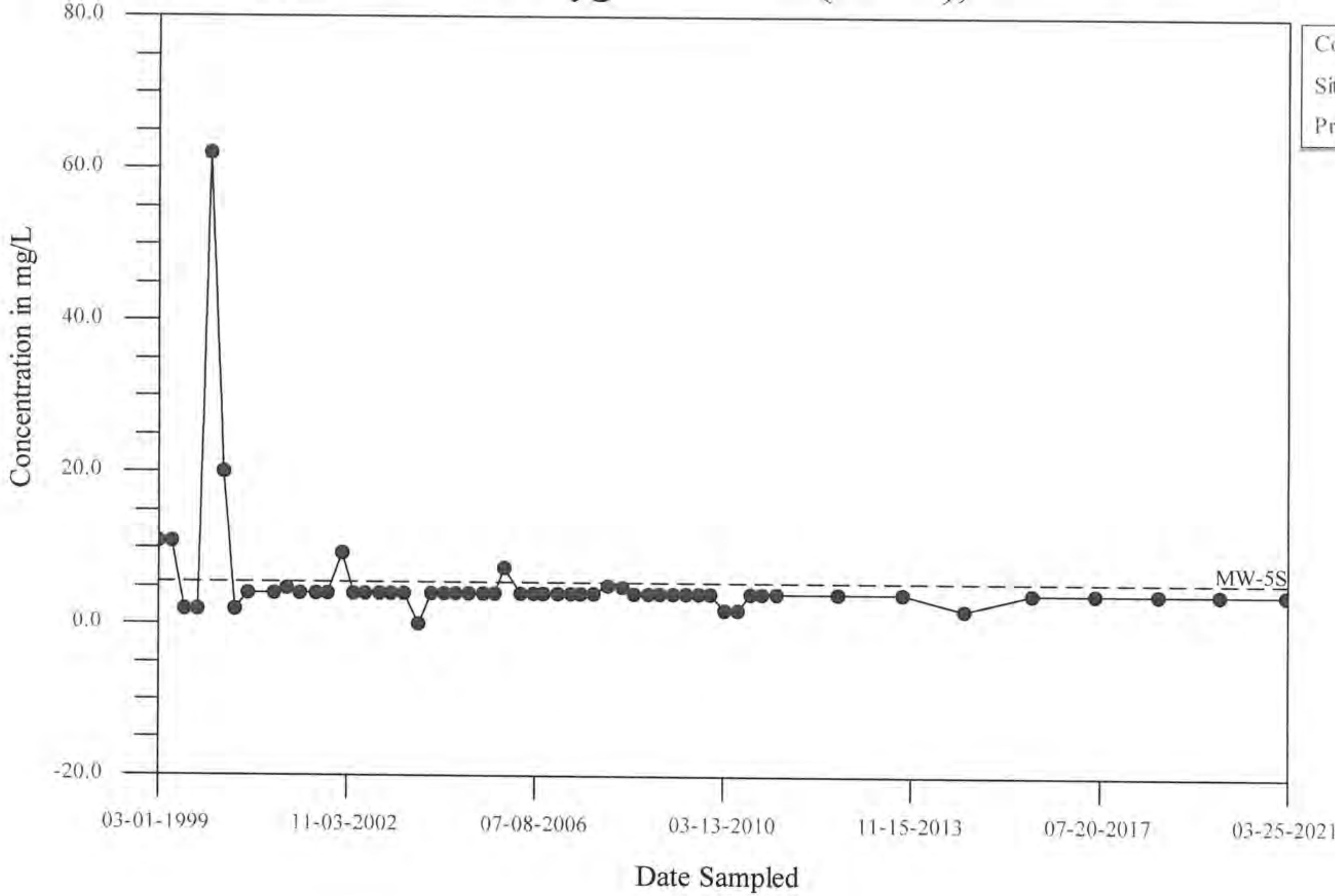


Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill



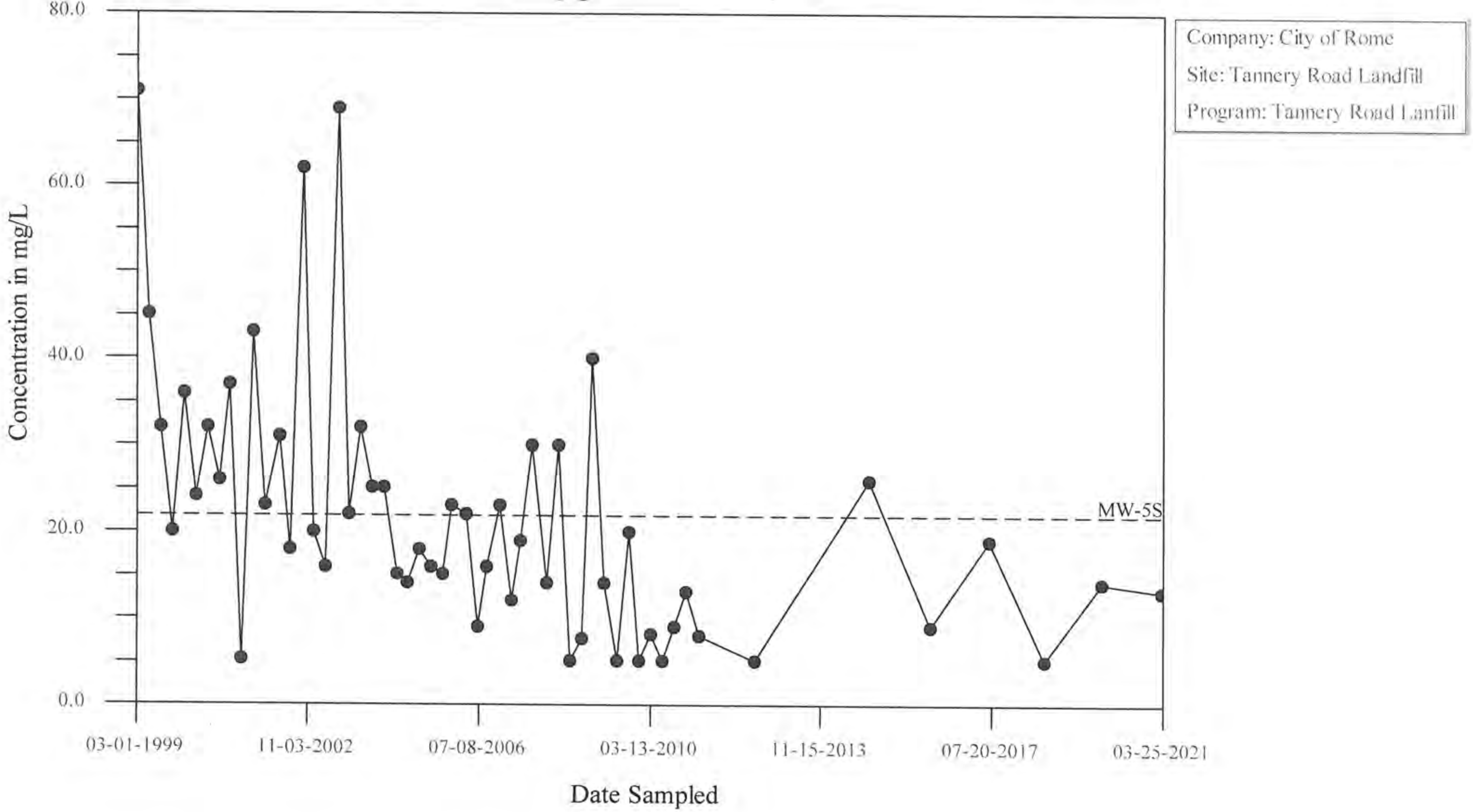
Time-Series Plot
Ammonia-Nitrogen, MW-5S
Concentration in mg/L
1.6
1.2
0.8
0.4
0.0
MW-5S
03-01-1999
11-03-2002
07-08-2006
03-13-2010
11-15-2013
07-20-2017
03-25-2021
Date Sampled
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot
Biochemical Oxygen Demand (BOD5), MW-5S

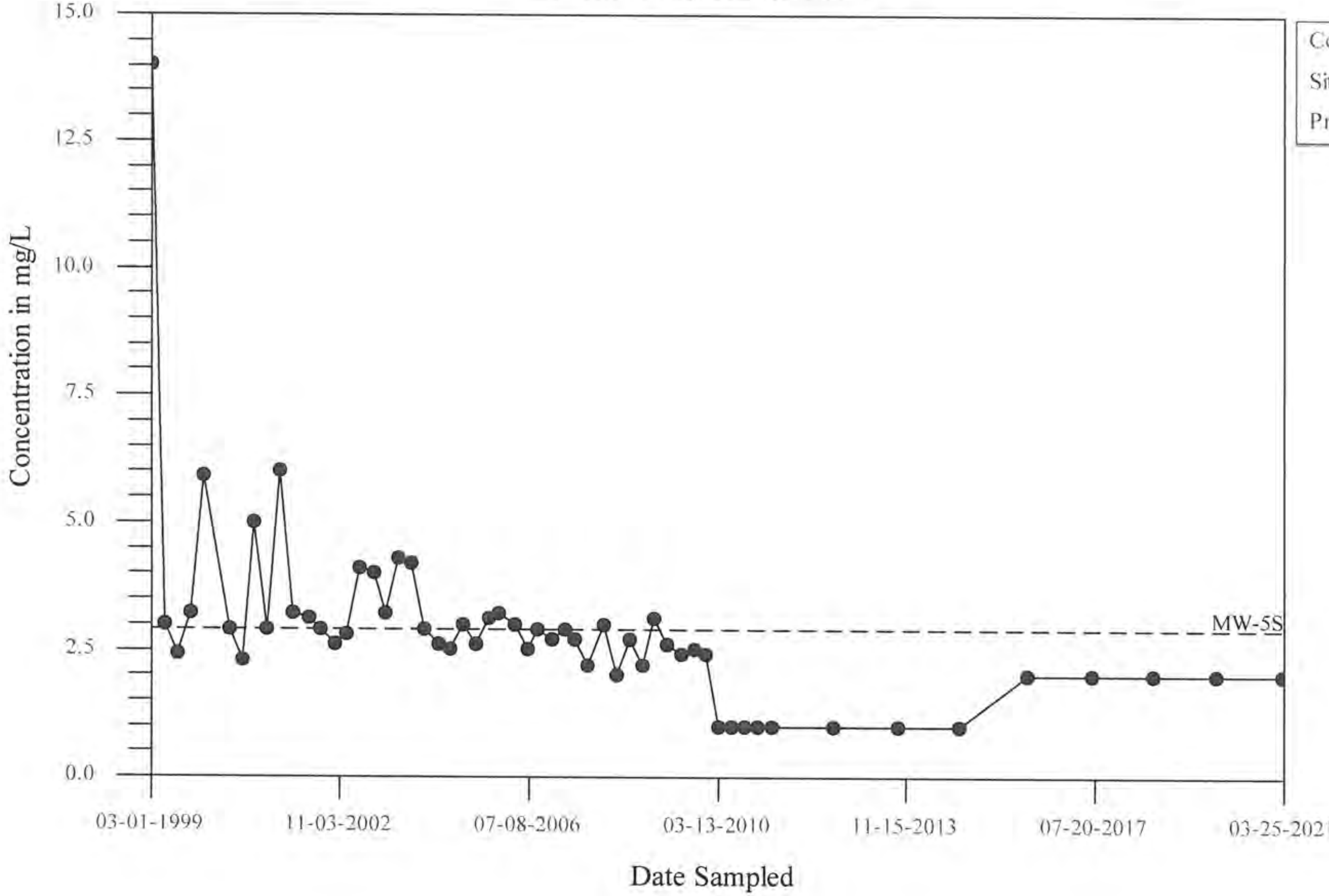


Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot
Chemical Oxygen Demand, MW-5S



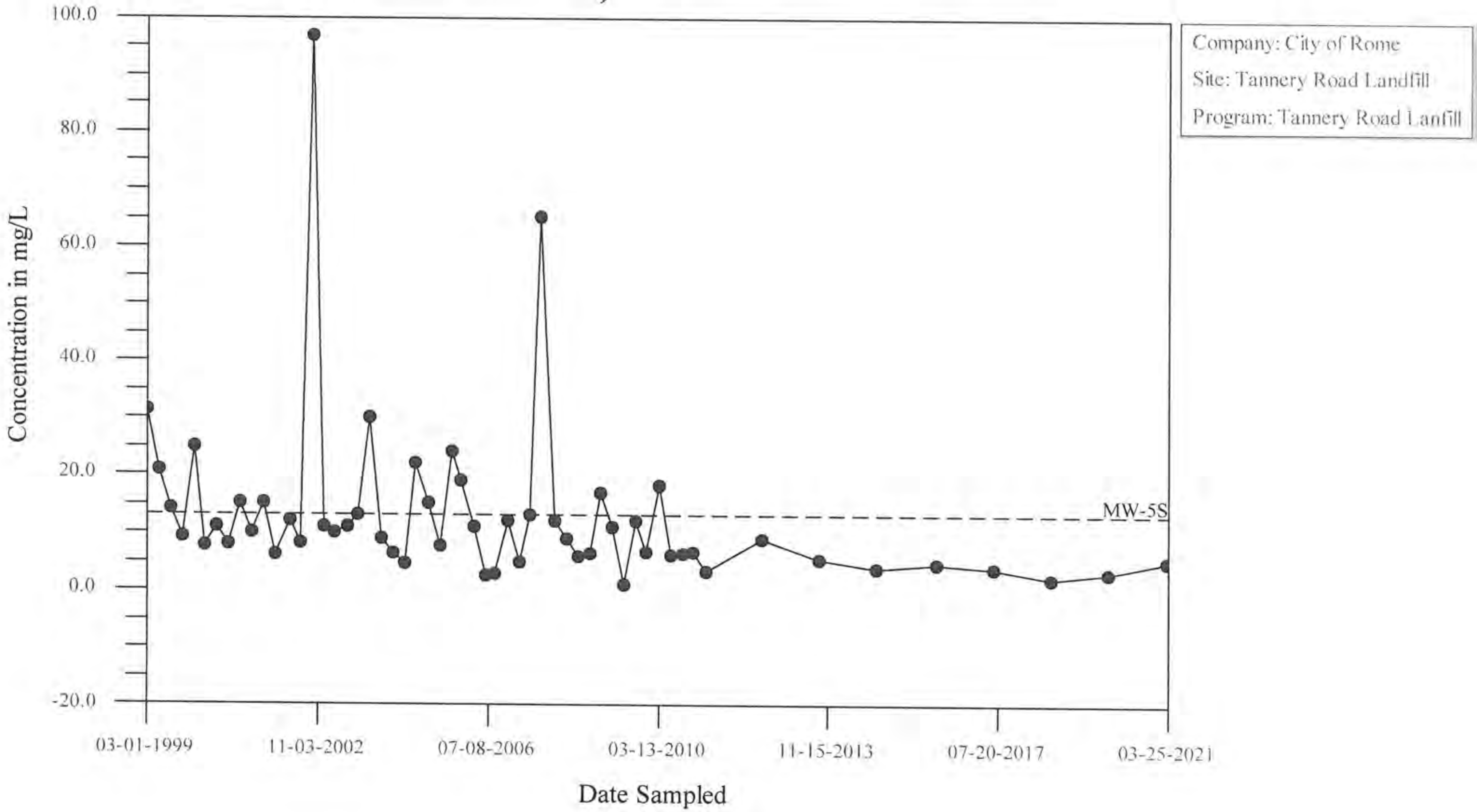
Time-Series Plot
Chloride, MW-5S

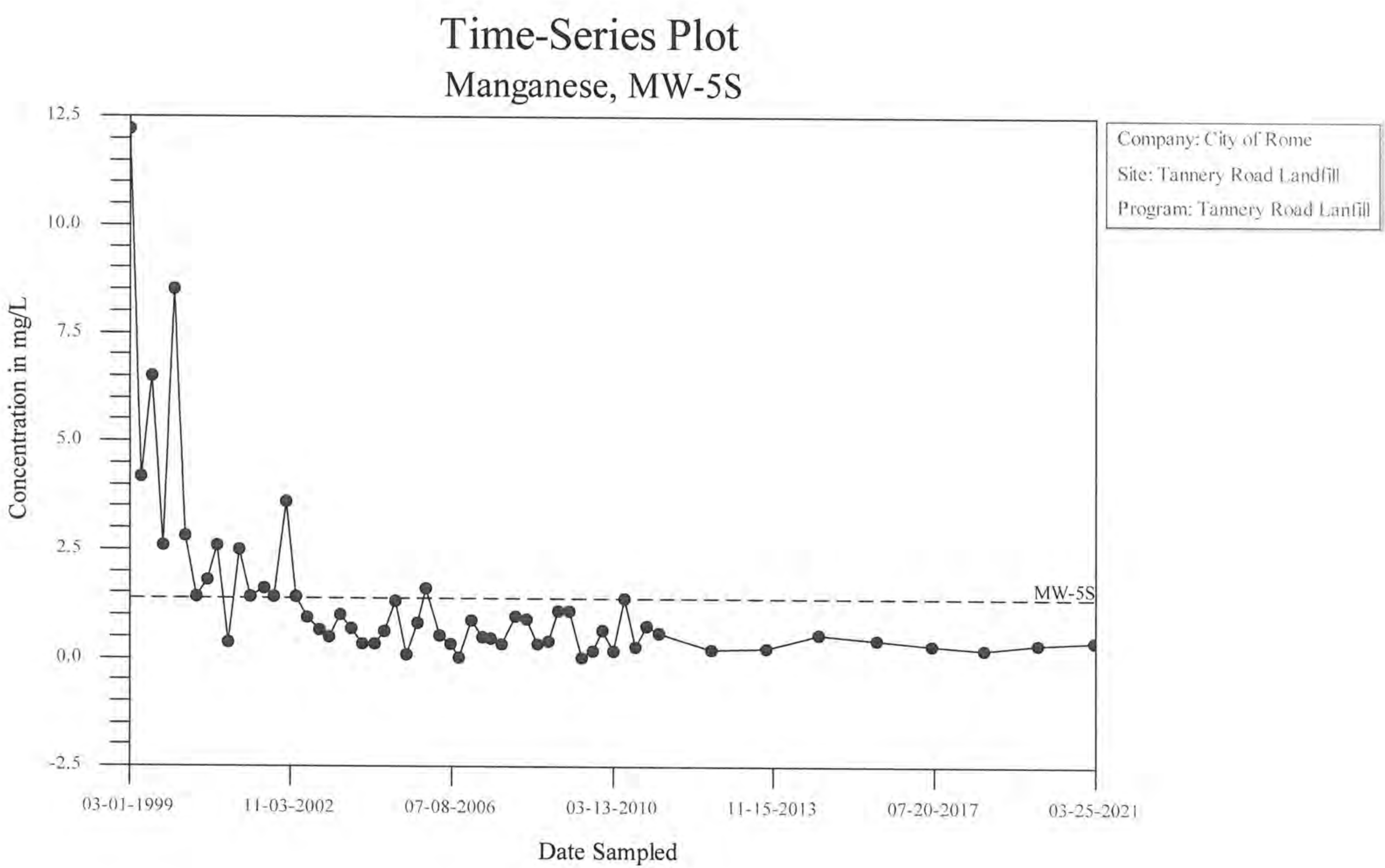


Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot

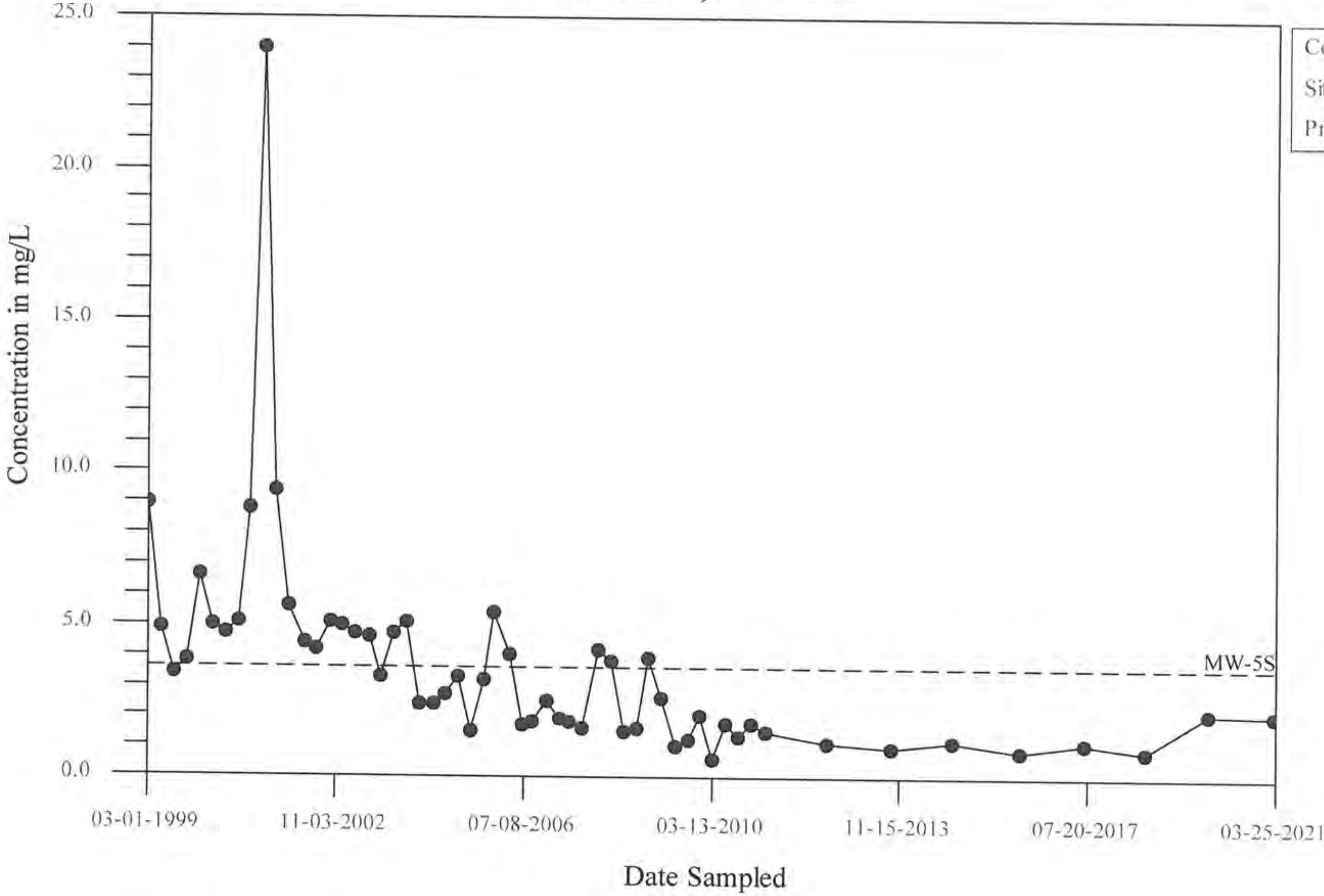
Iron, MW-5S



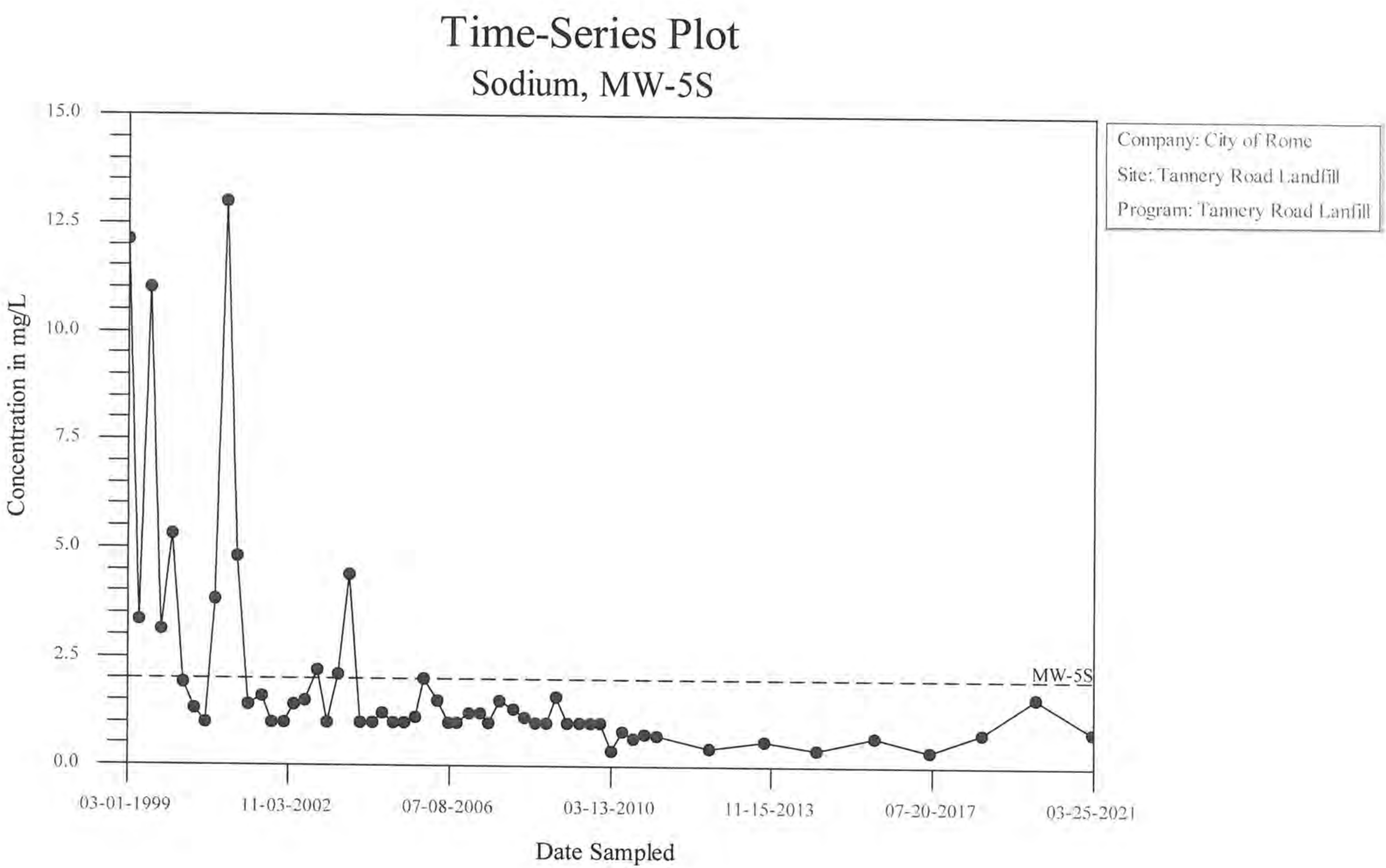


Time-Series Plot
Manganese, MW-5S
Concentration in mg/L
12.5
10.0
7.5
5.0
2.5
0.0
-2.5
MW-5S
03-01-1999
11-03-2002
07-08-2006
03-13-2010
11-15-2013
07-20-2017
03-25-2021
Date Sampled
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot
Potassium, MW-5S



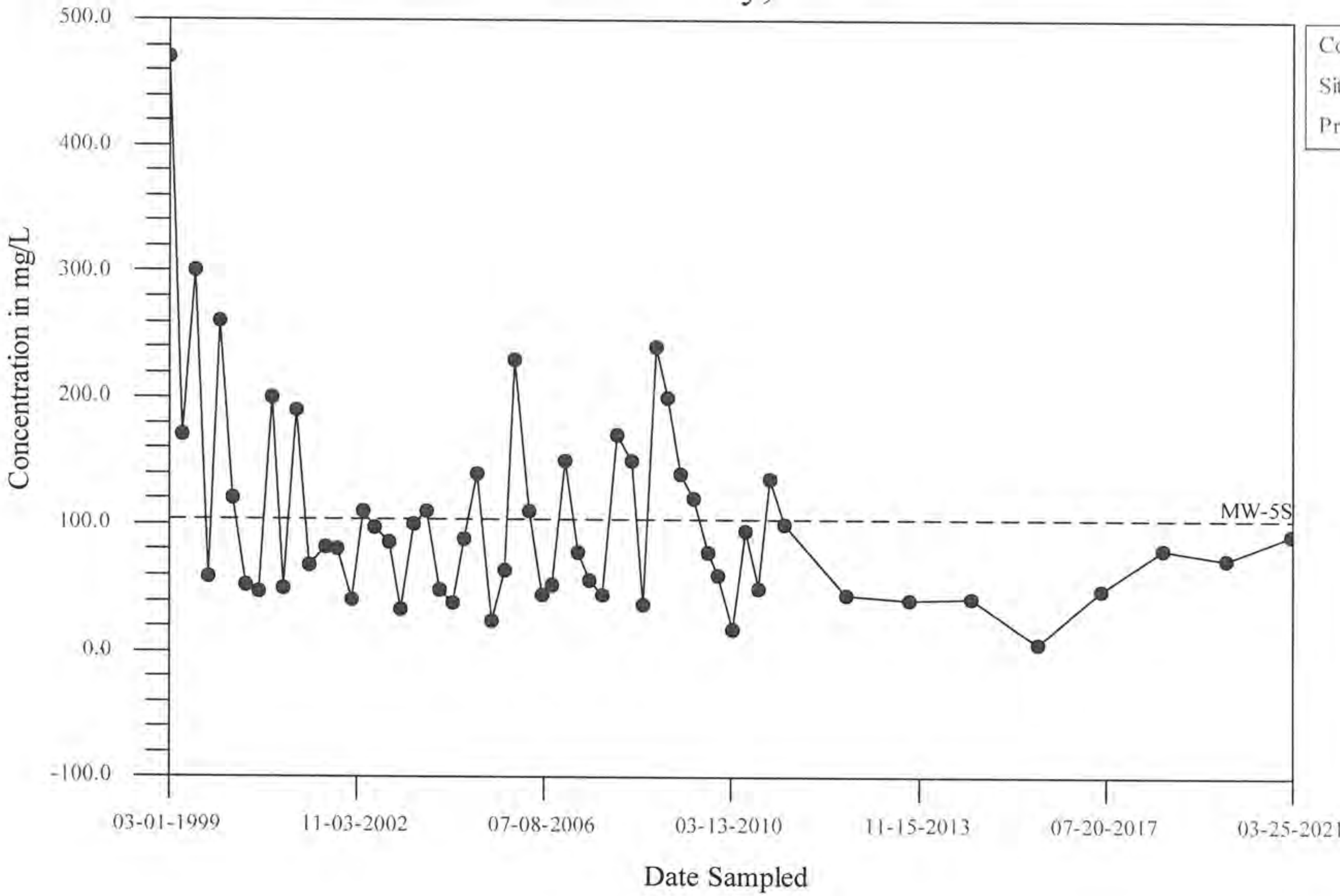
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill



Time-Series Plot
Sodium, MW-5S
Concentration in mg/L
15.0
12.5
10.0
7.5
5.0
2.5
0.0
MW-5S
03-01-1999
11-03-2002
07-08-2006
03-13-2010
11-15-2013
07-20-2017
03-25-2021
Date Sampled
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

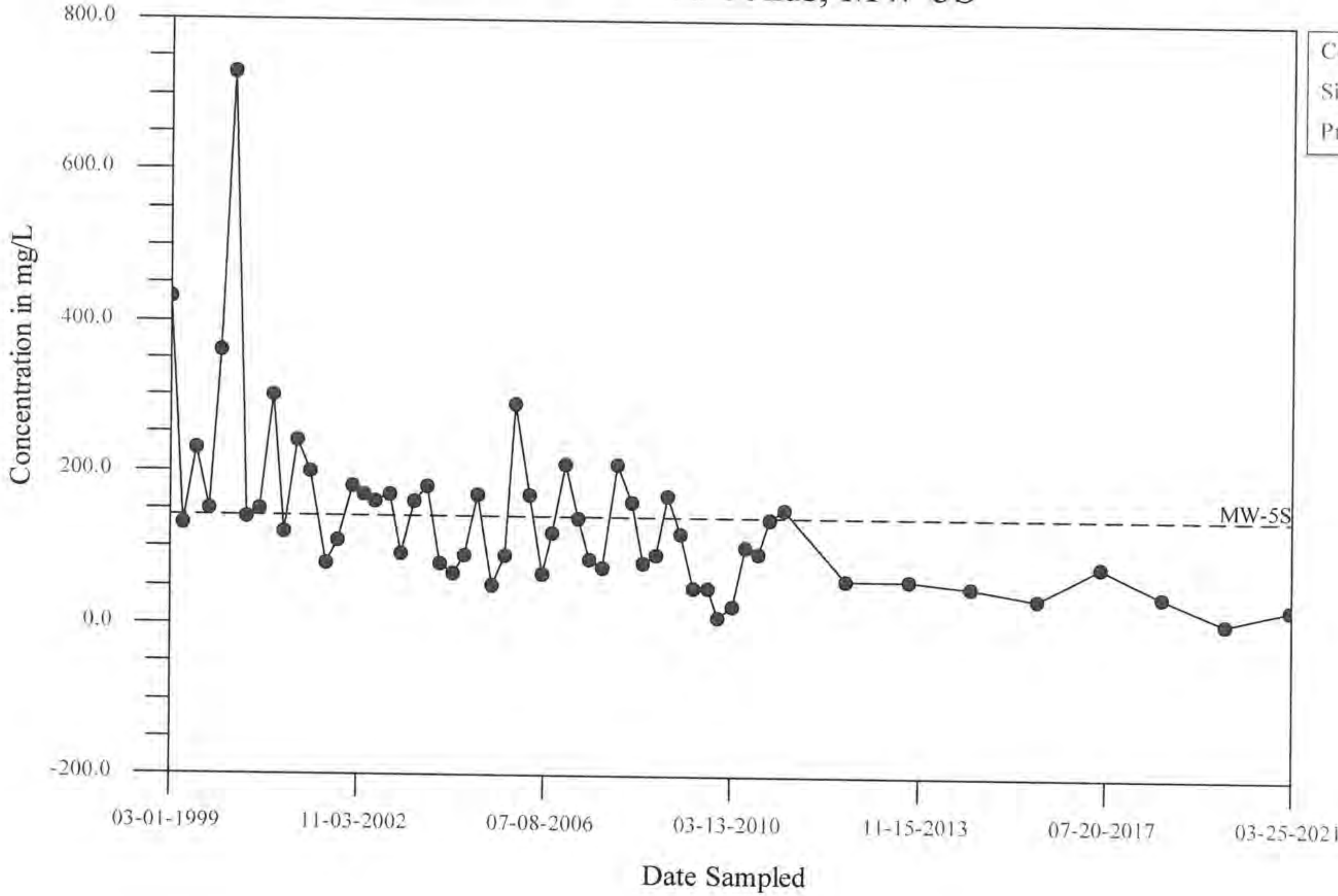
Time-Series Plot

Total Alkalinity, MW-5S



Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

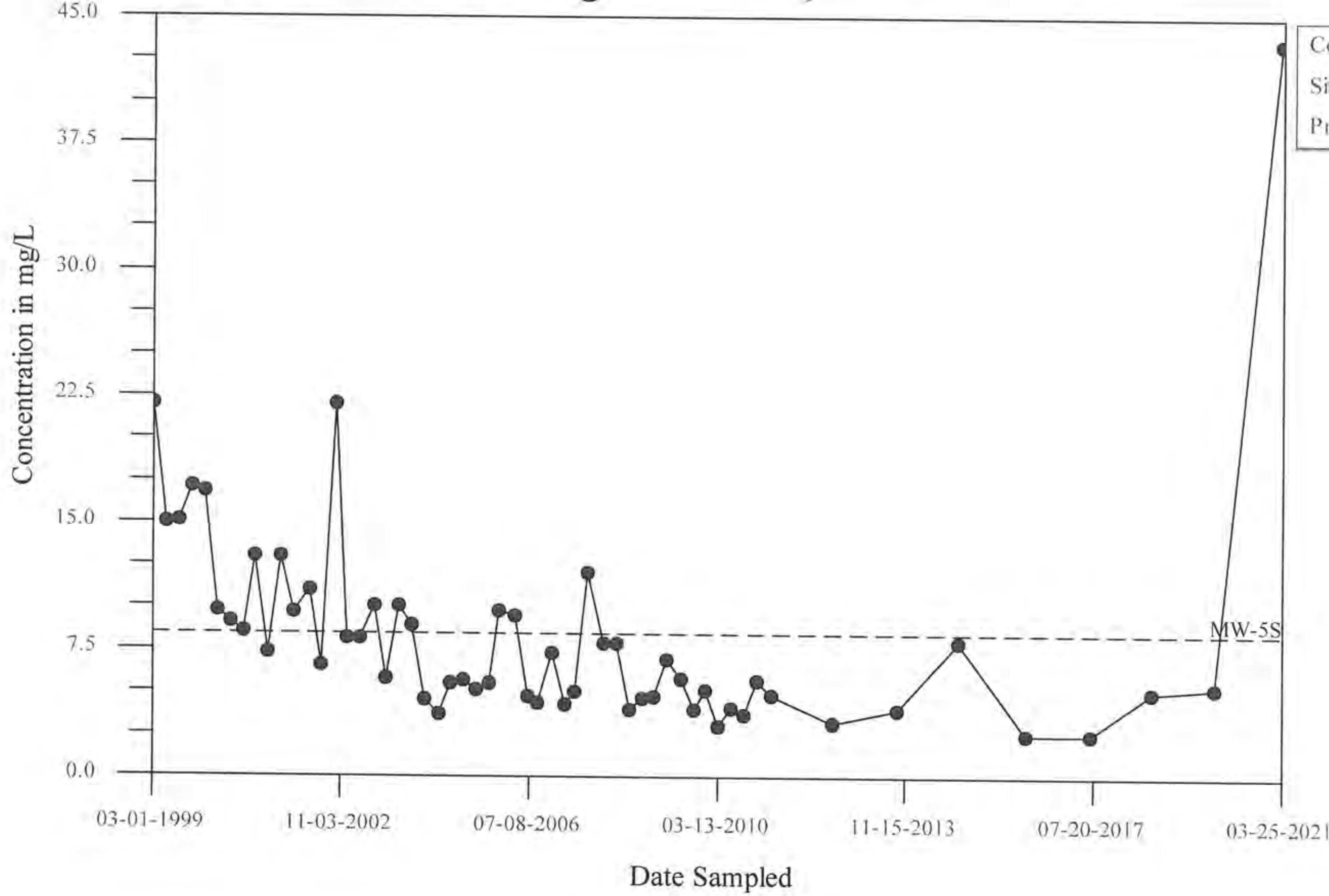
Time-Series Plot
Total Dissolved Solids, MW-5S



Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot

Total Organic Carbon, MW-5S

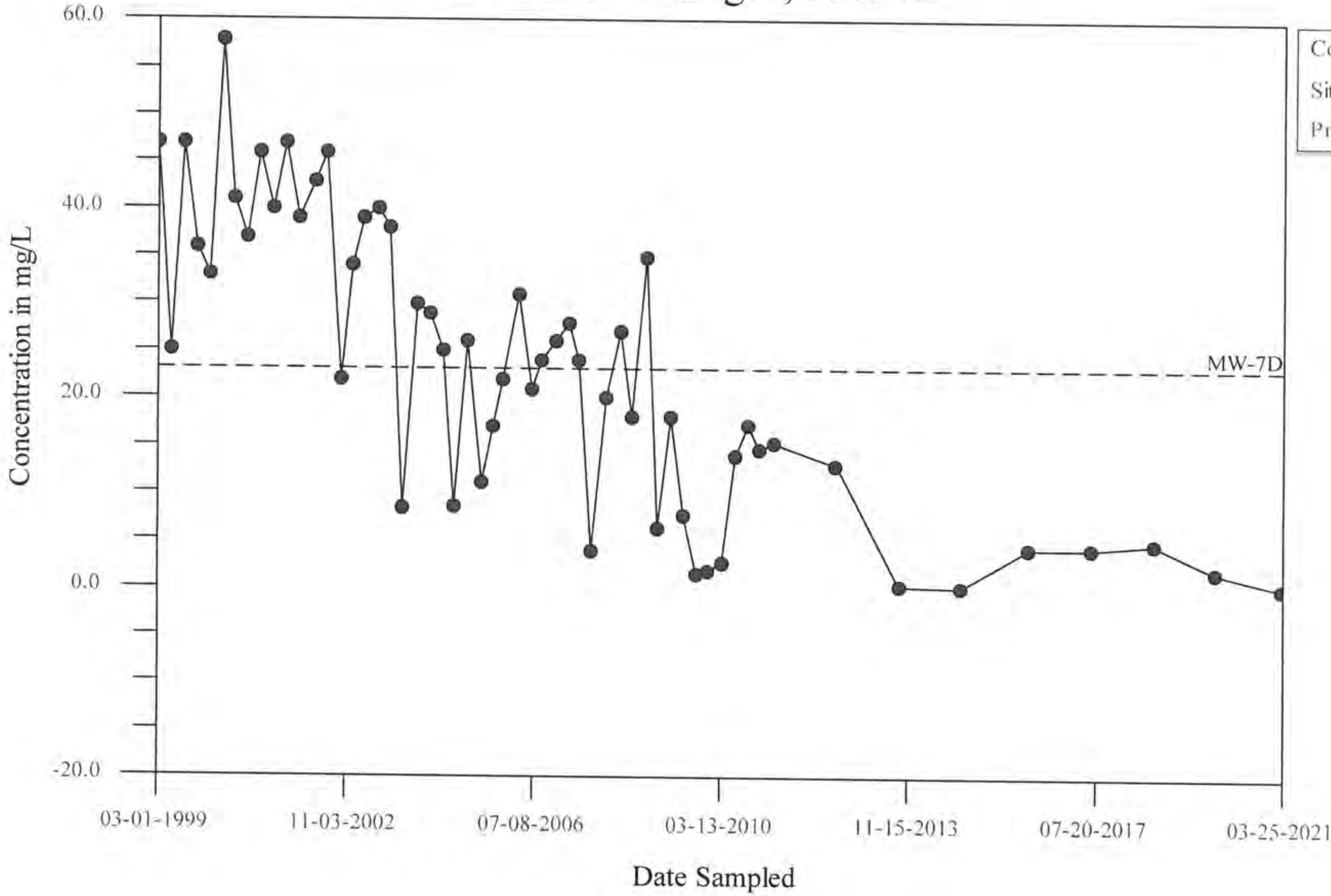


Company: City of Rome

Site: Tannery Road Landfill

Program: Tannery Road Lanfill

Time-Series Plot
Ammonia-Nitrogen, MW-7D



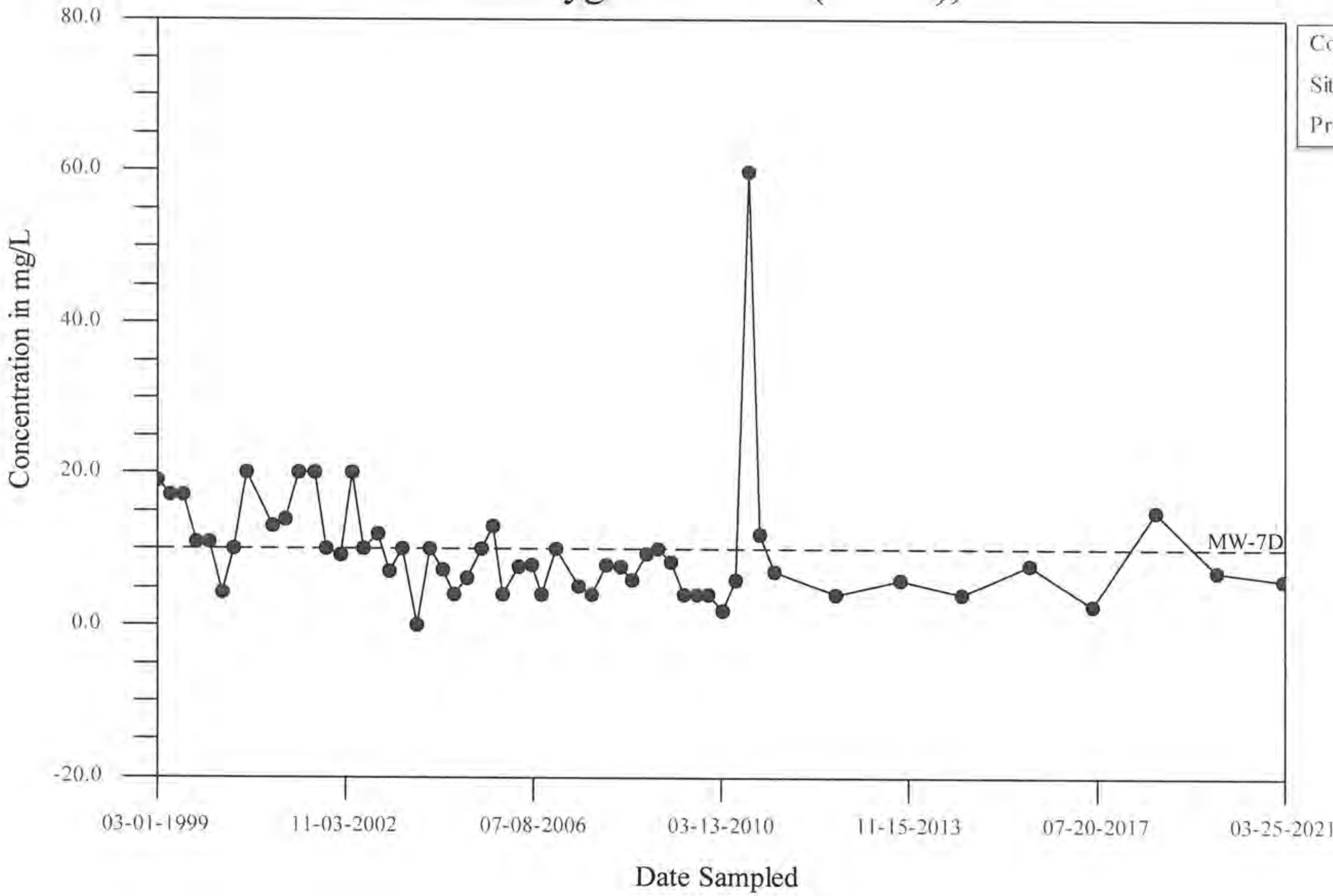
Company: City of Rome

Site: Tannery Road Landfill

Program: Tannery Road Lanfill

Time-Series Plot

Biochemical Oxygen Demand (BOD5), MW-7D

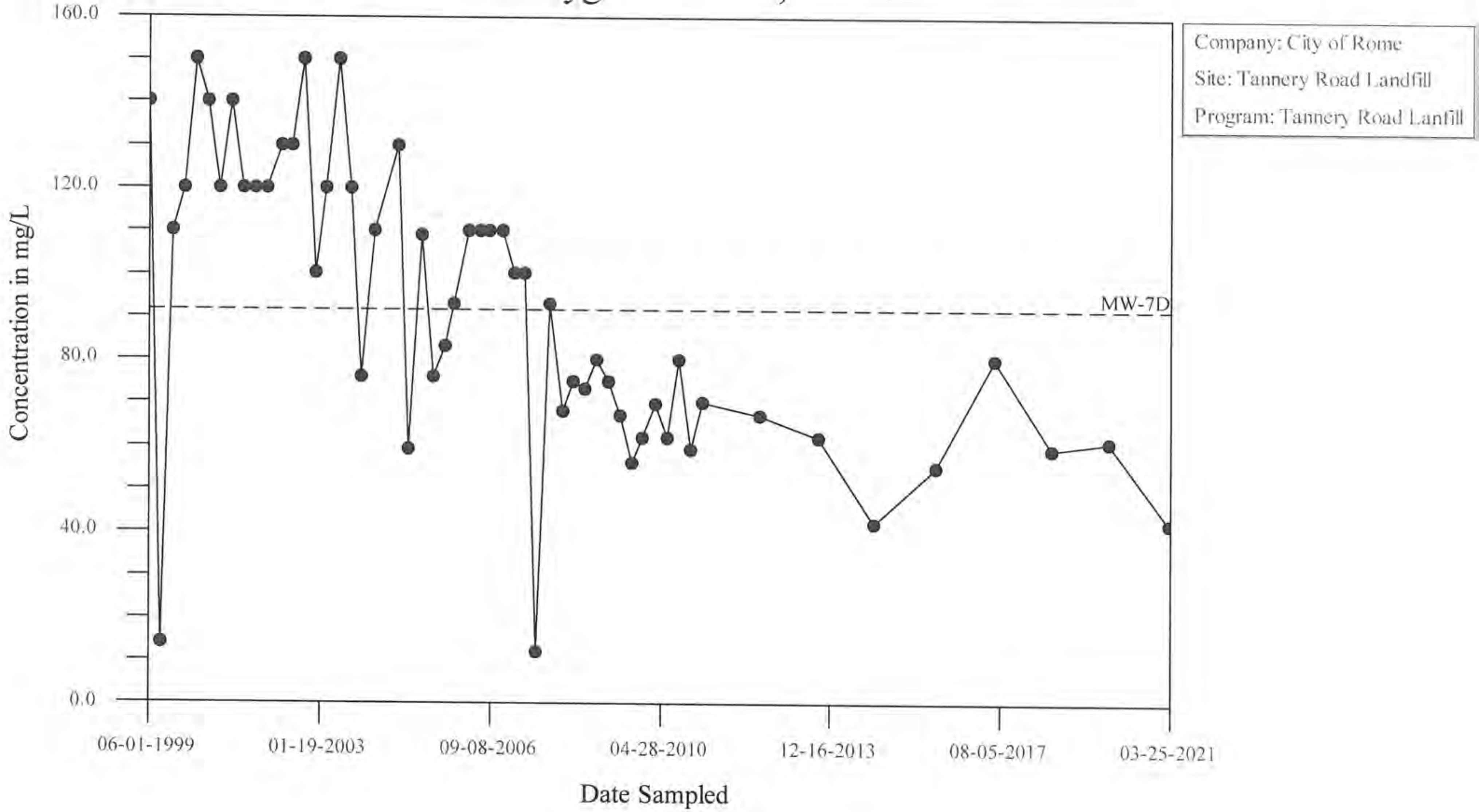


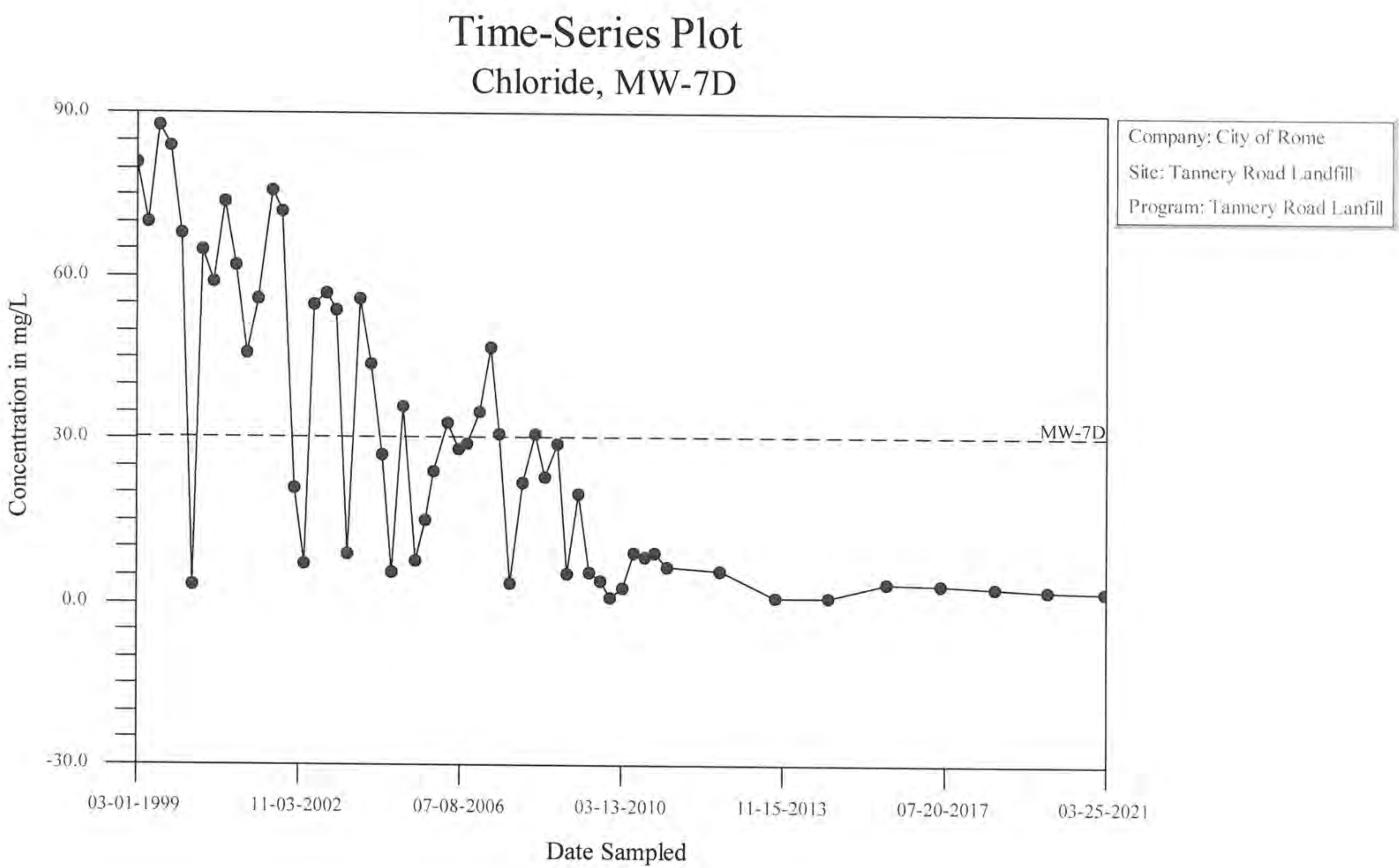
Company: City of Rome

Site: Tannery Road Landfill

Program: Tannery Road Lanfill

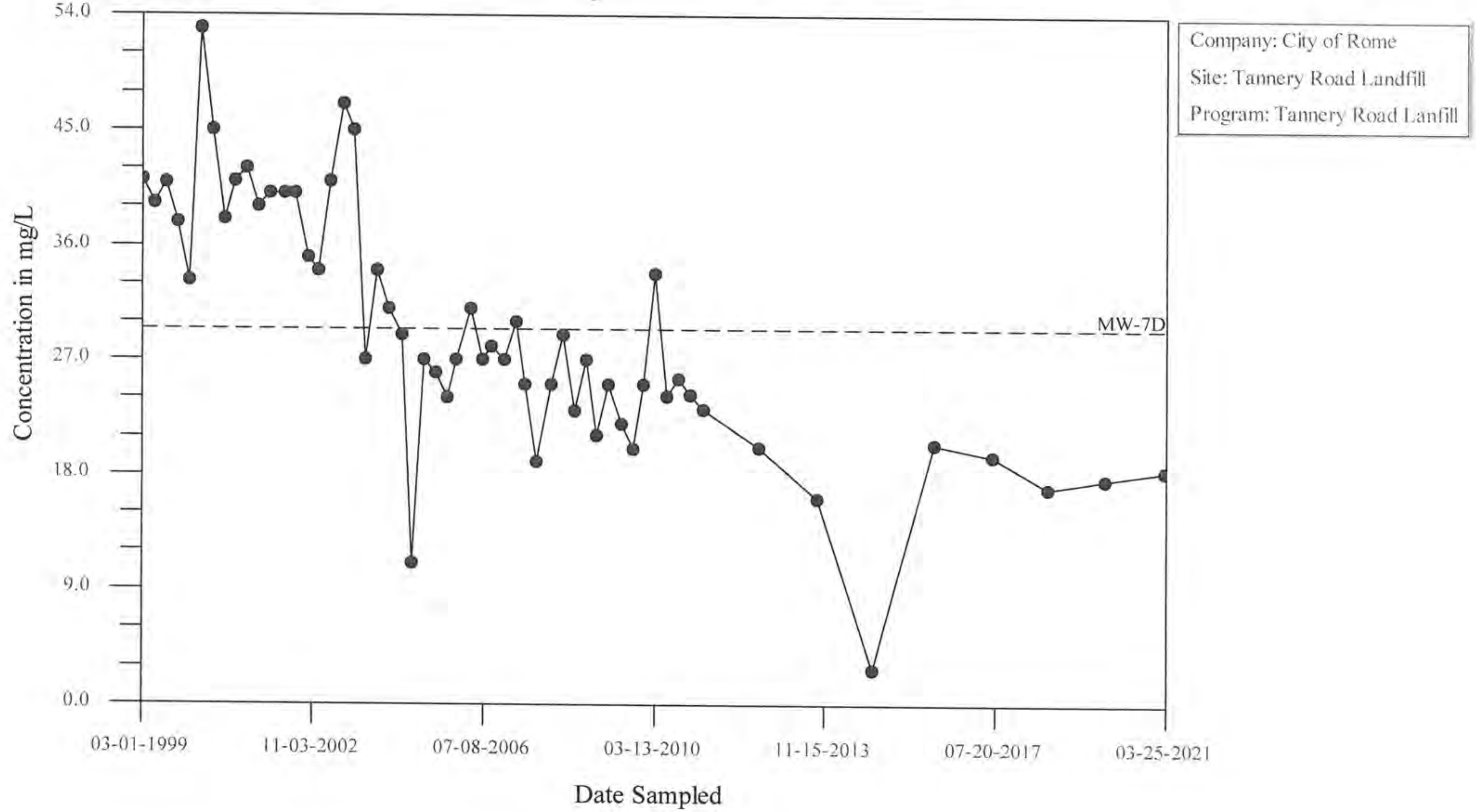
Time-Series Plot
Chemical Oxygen Demand, MW-7D



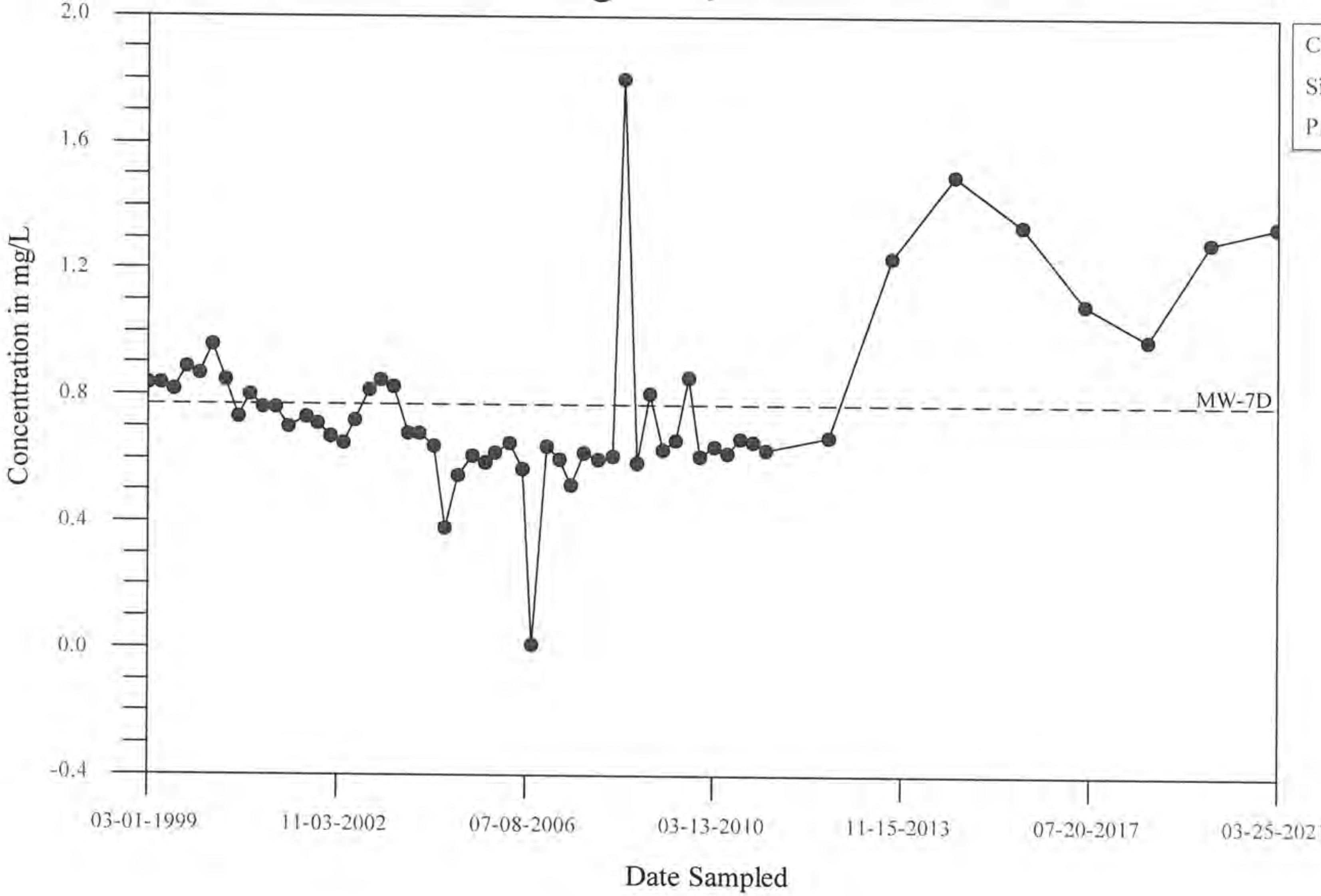

Time-Series Plot
Chloride, MW-7D
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill
Concentration in mg/L
90.0
60.0
30.0
0.0
-30.0
MW-7D
03-01-1999
11-03-2002
07-08-2006
03-13-2010
11-15-2013
07-20-2017
03-25-2021
Date Sampled

Time-Series Plot

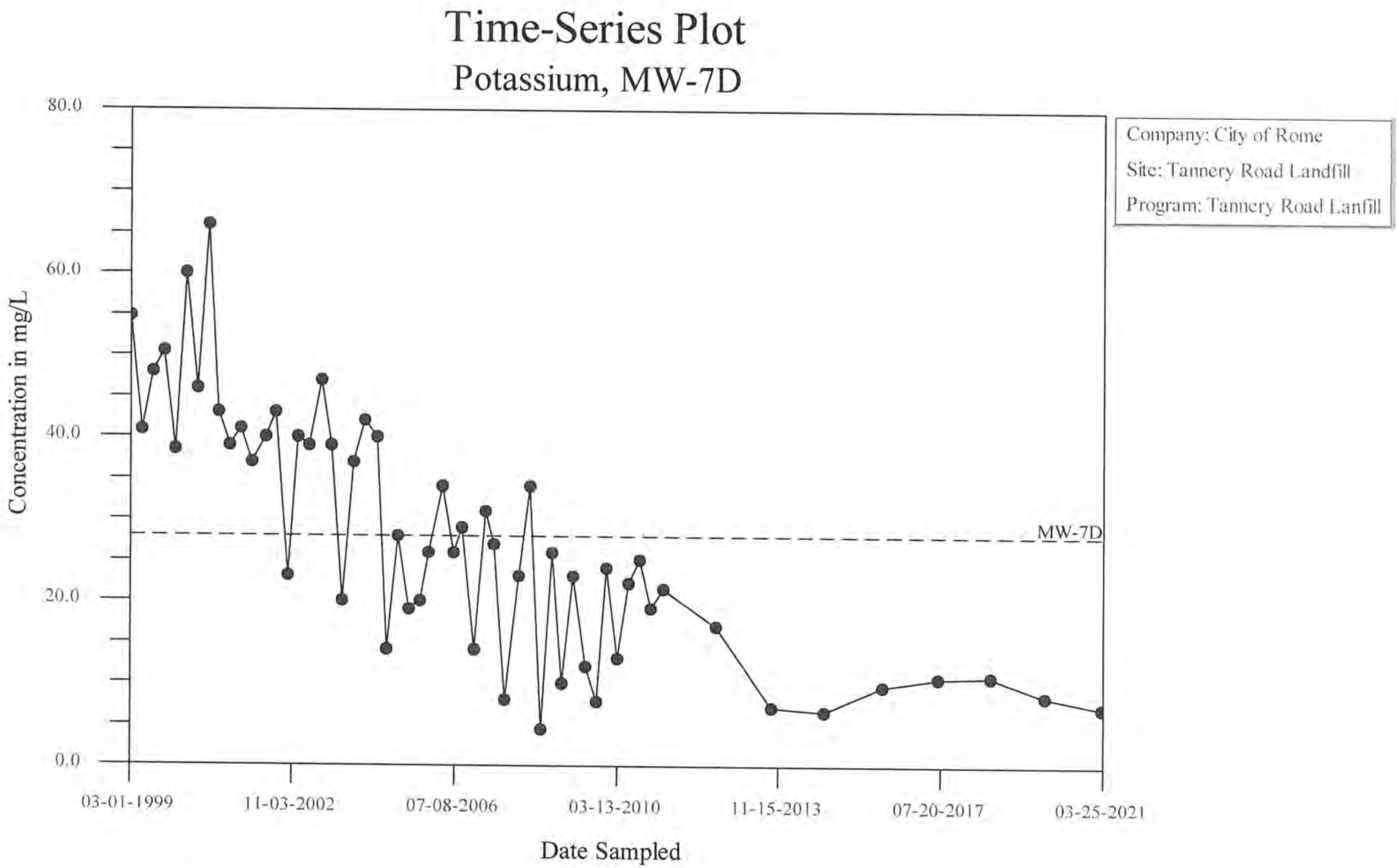
Iron, MW-7D



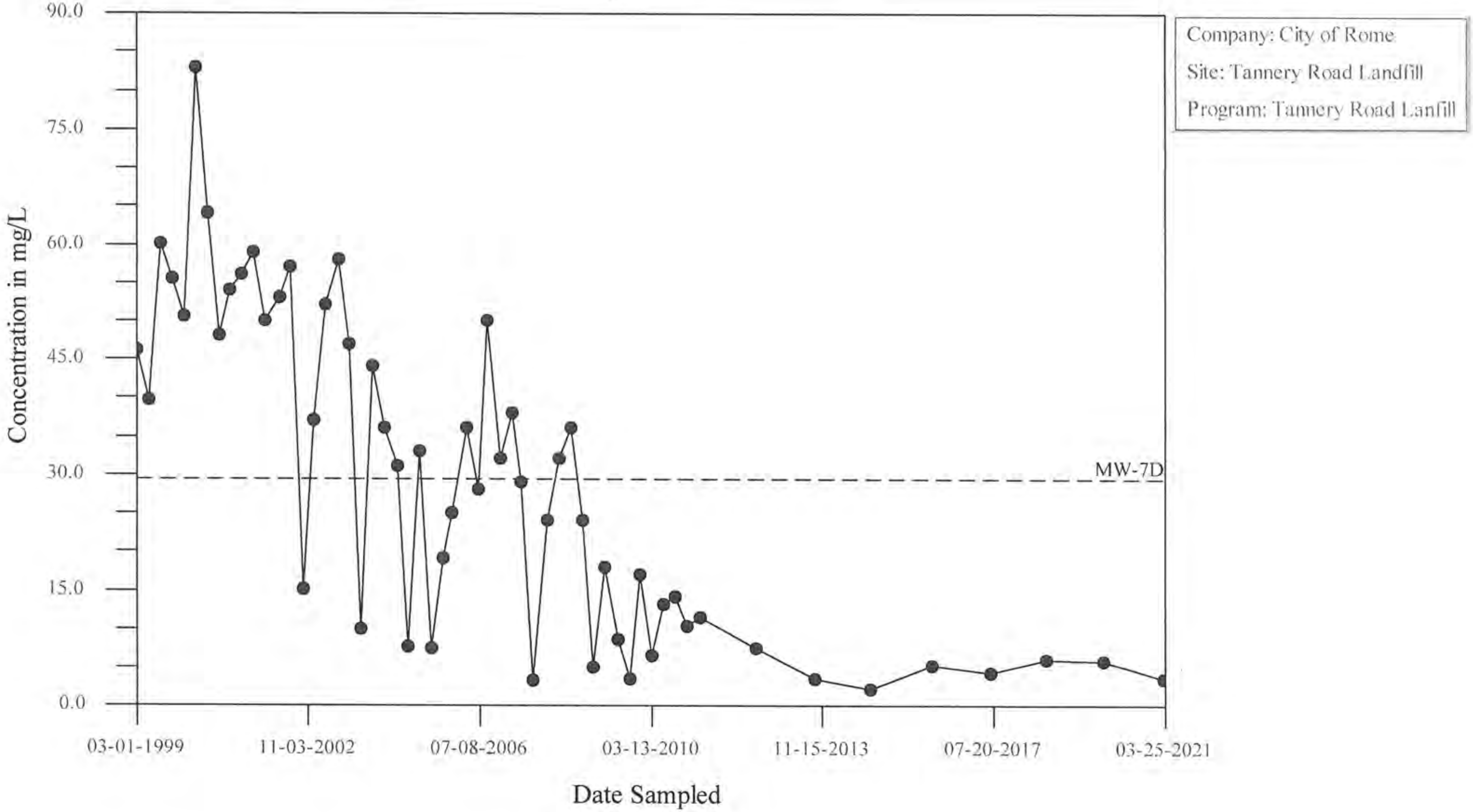
Time-Series Plot
Manganese, MW-7D



Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

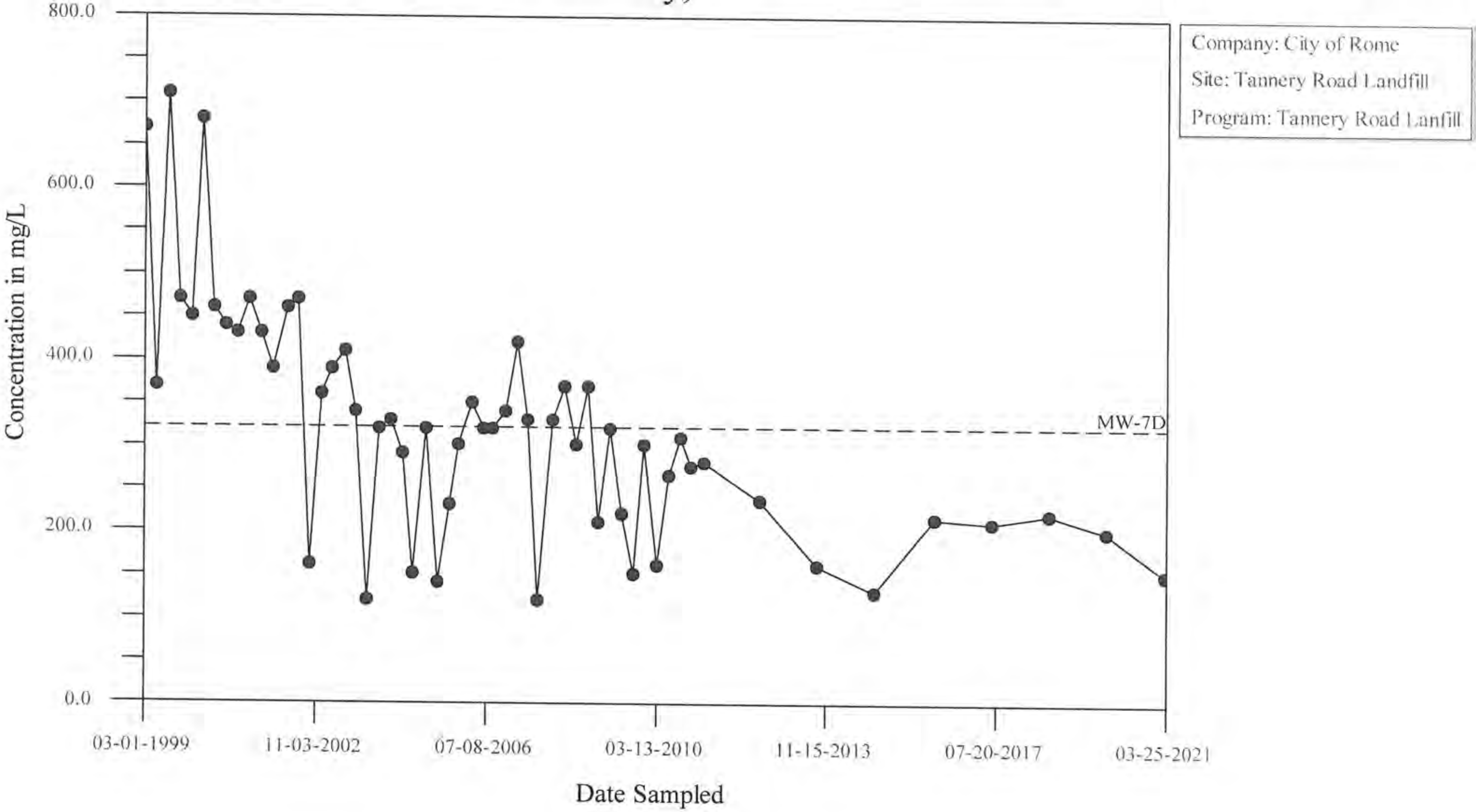

Time-Series Plot
Potassium, MW-7D
Concentration in mg/L
80.0
60.0
40.0
20.0
0.0
MW-7D
03-01-1999
11-03-2002
07-08-2006
03-13-2010
11-15-2013
07-20-2017
03-25-2021
Date Sampled
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot
Sodium, MW-7D

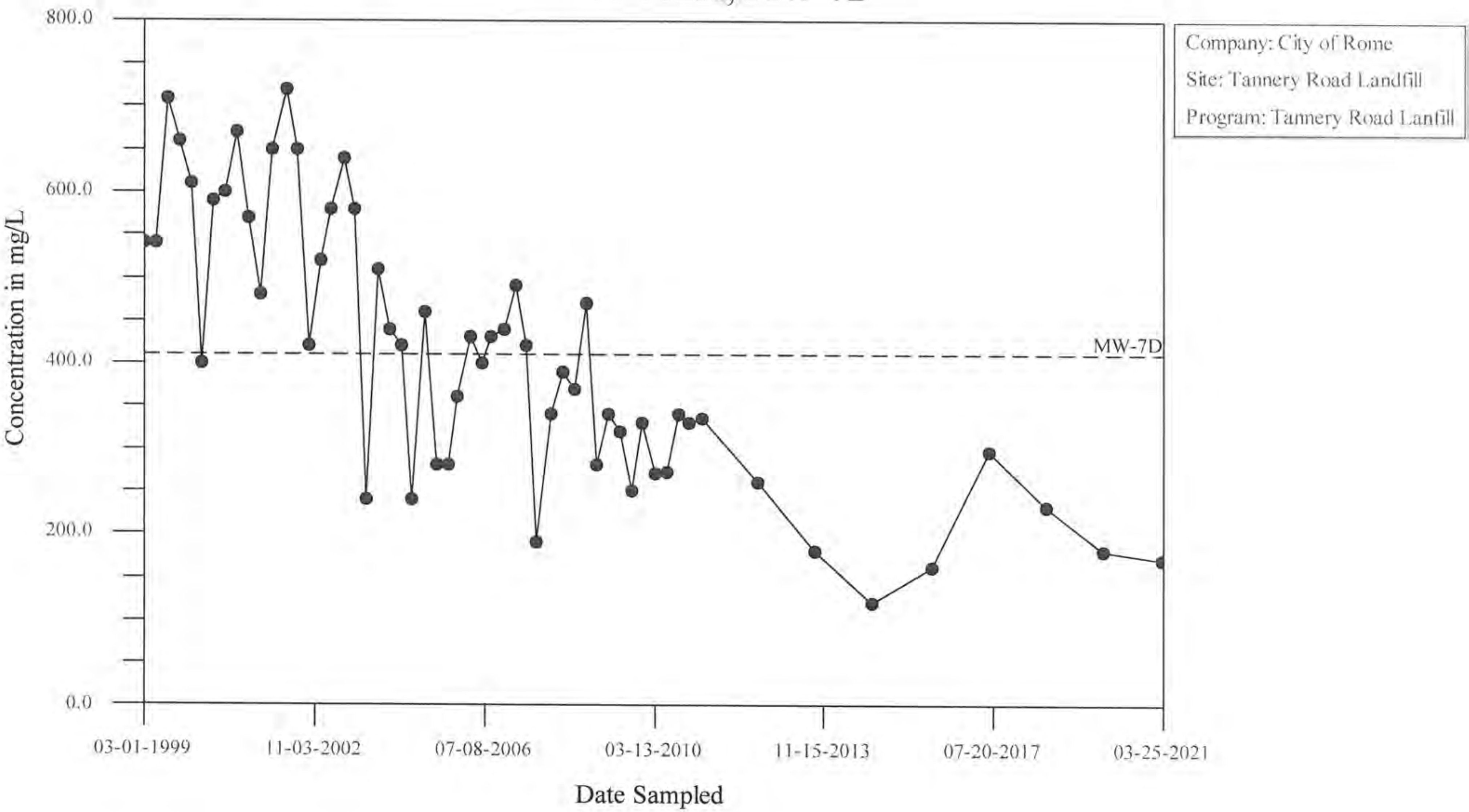


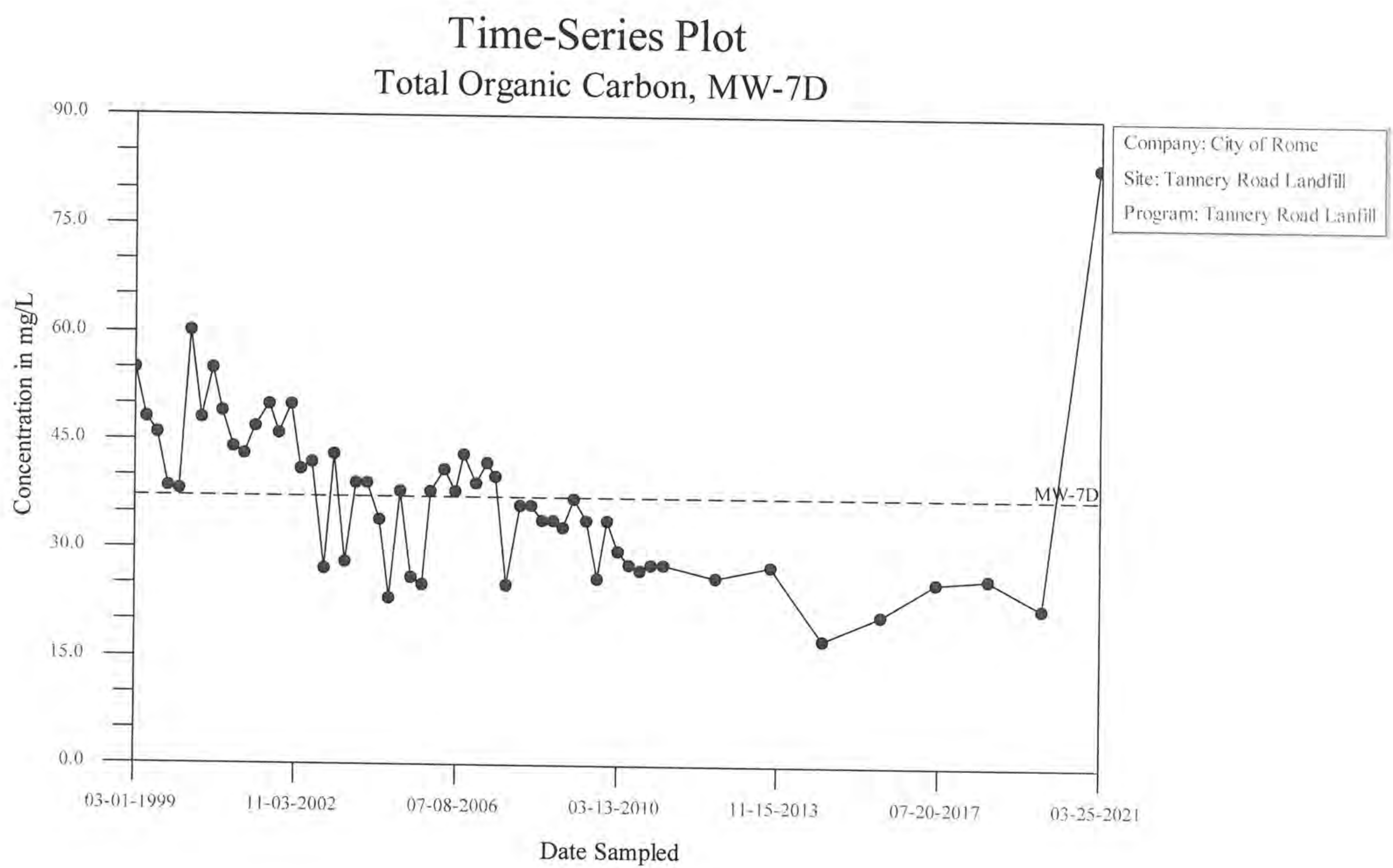
Time-Series Plot

Total Alkalinity, MW-7D



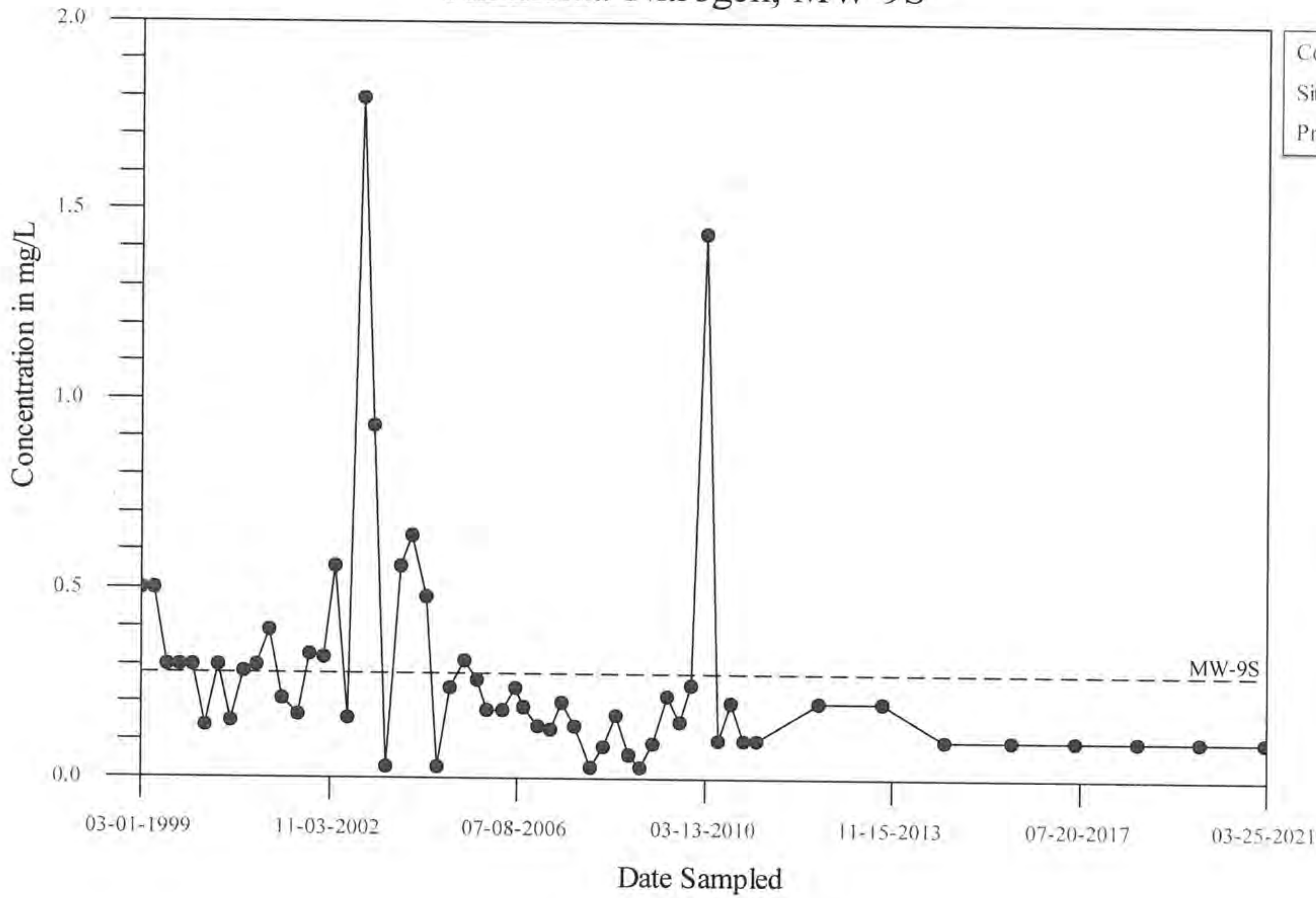
Time-Series Plot
Total Dissolved Solids, MW-7D





Time-Series Plot
Total Organic Carbon, MW-7D
Concentration in mg/L
90.0
75.0
60.0
45.0
30.0
15.0
0.0
03-01-1999
11-03-2002
07-08-2006
03-13-2010
11-15-2013
07-20-2017
03-25-2021
Date Sampled
MW-7D
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

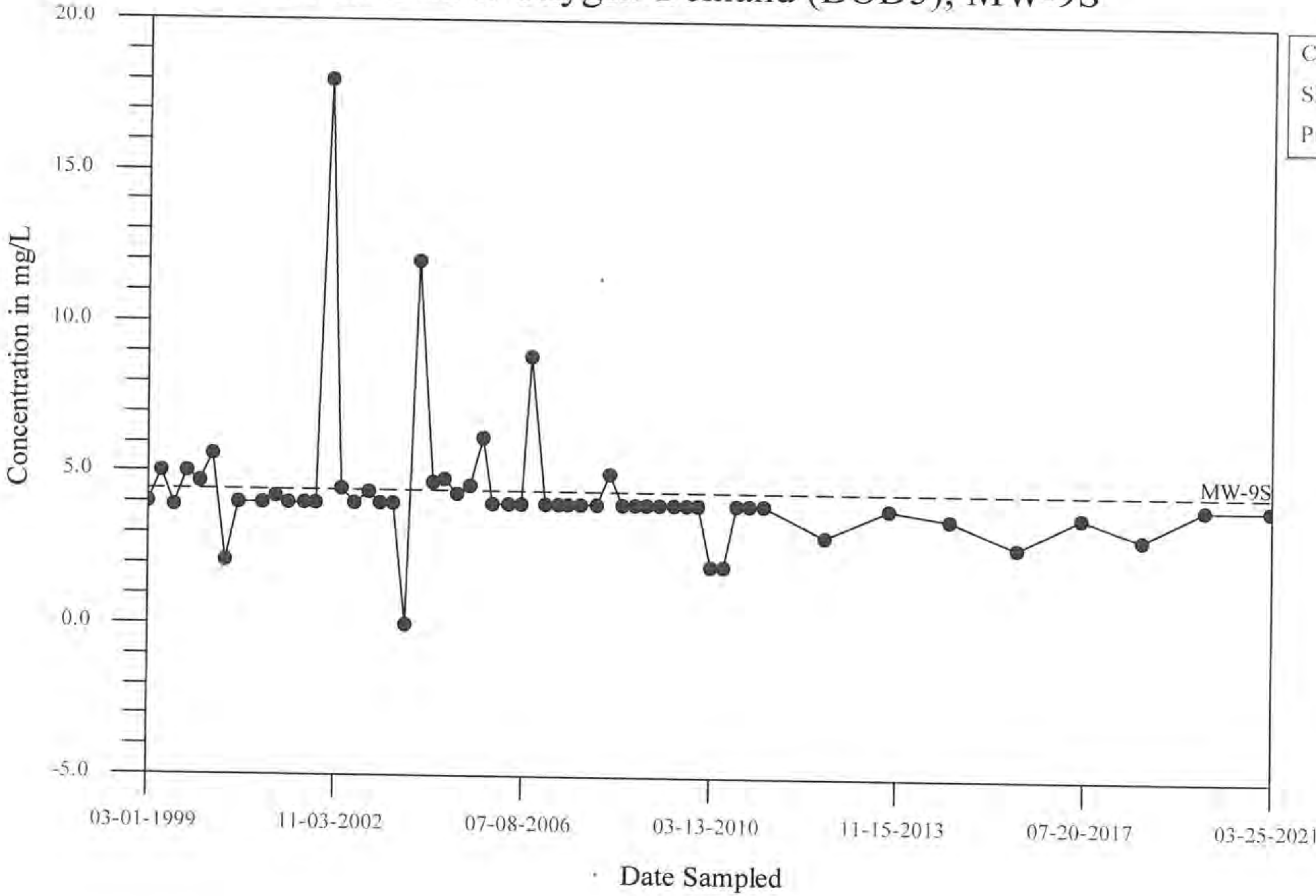
Time-Series Plot
Ammonia-Nitrogen, MW-9S



Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

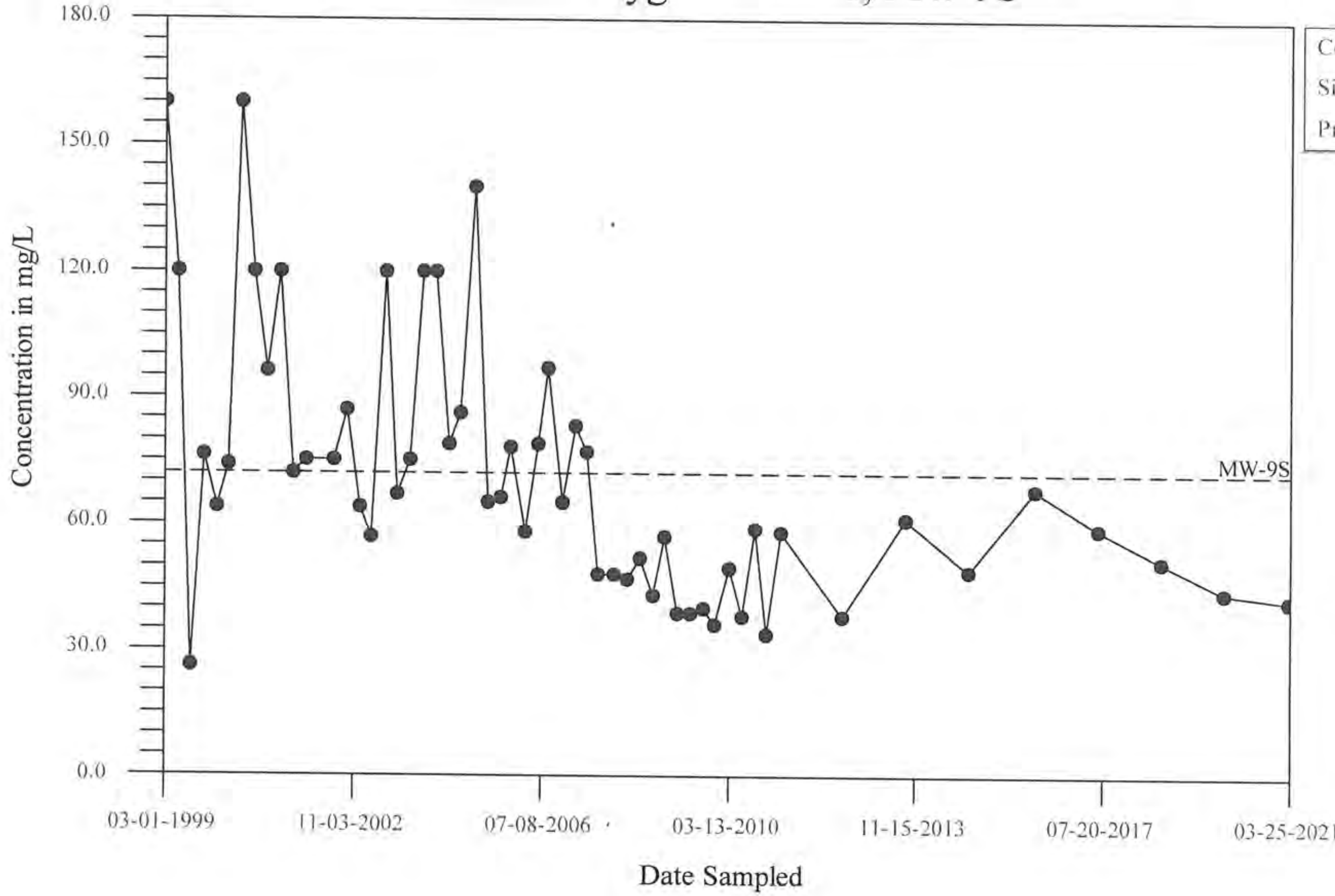
Time-Series Plot

Biochemical Oxygen Demand (BOD5), MW-9S



Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

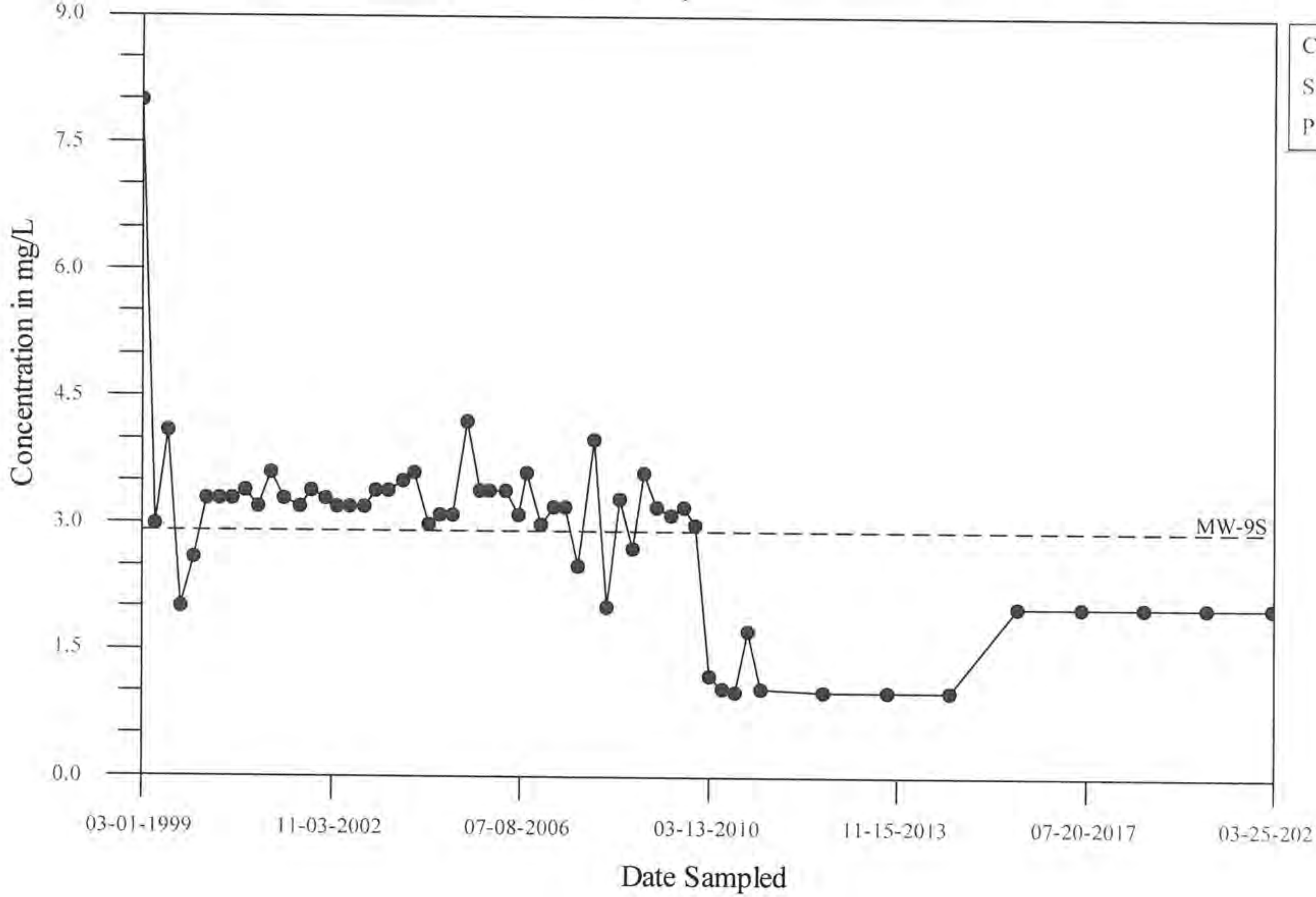
Time-Series Plot
Chemical Oxygen Demand, MW-9S



Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot

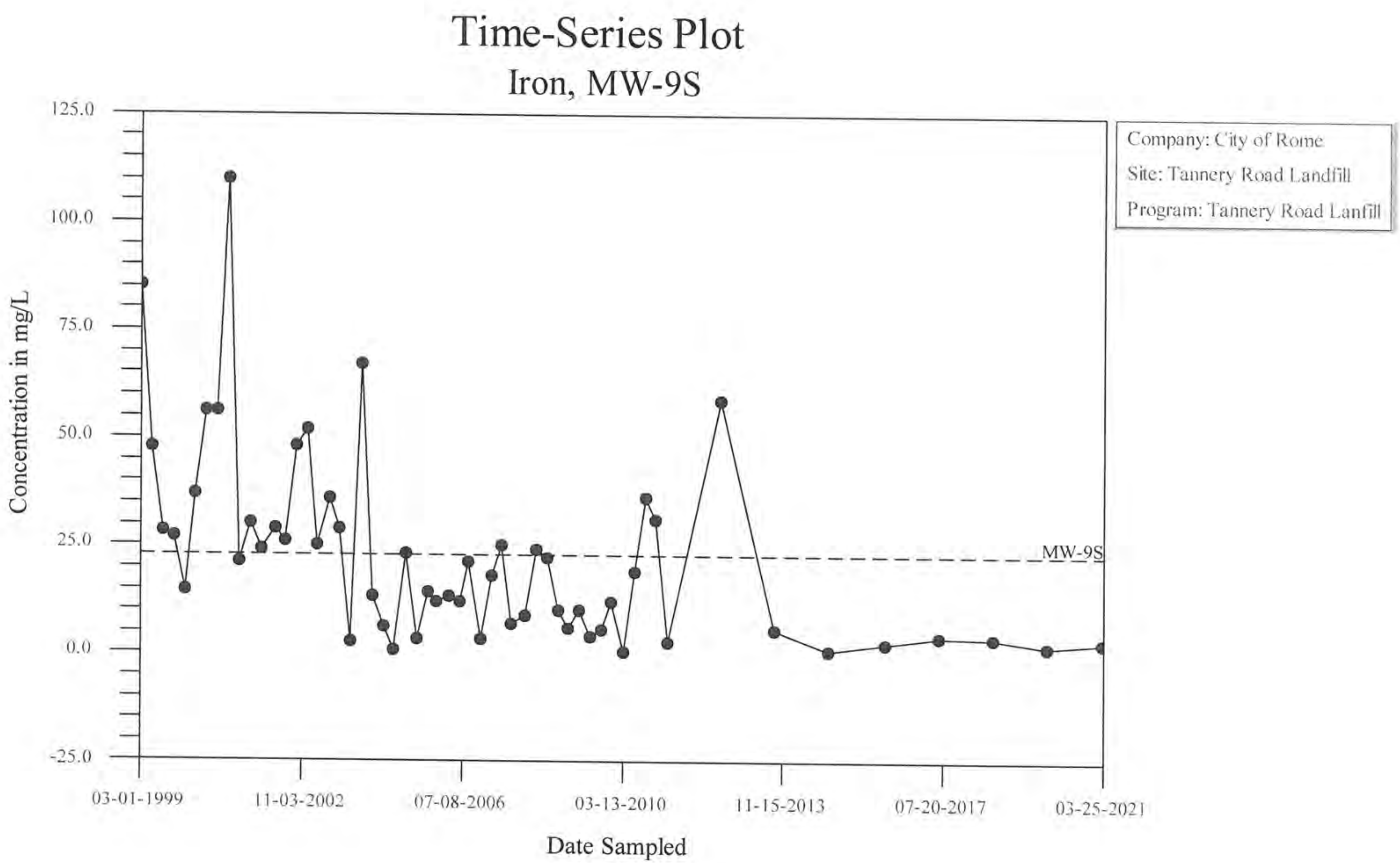
Chloride, MW-9S



Company: City of Rome

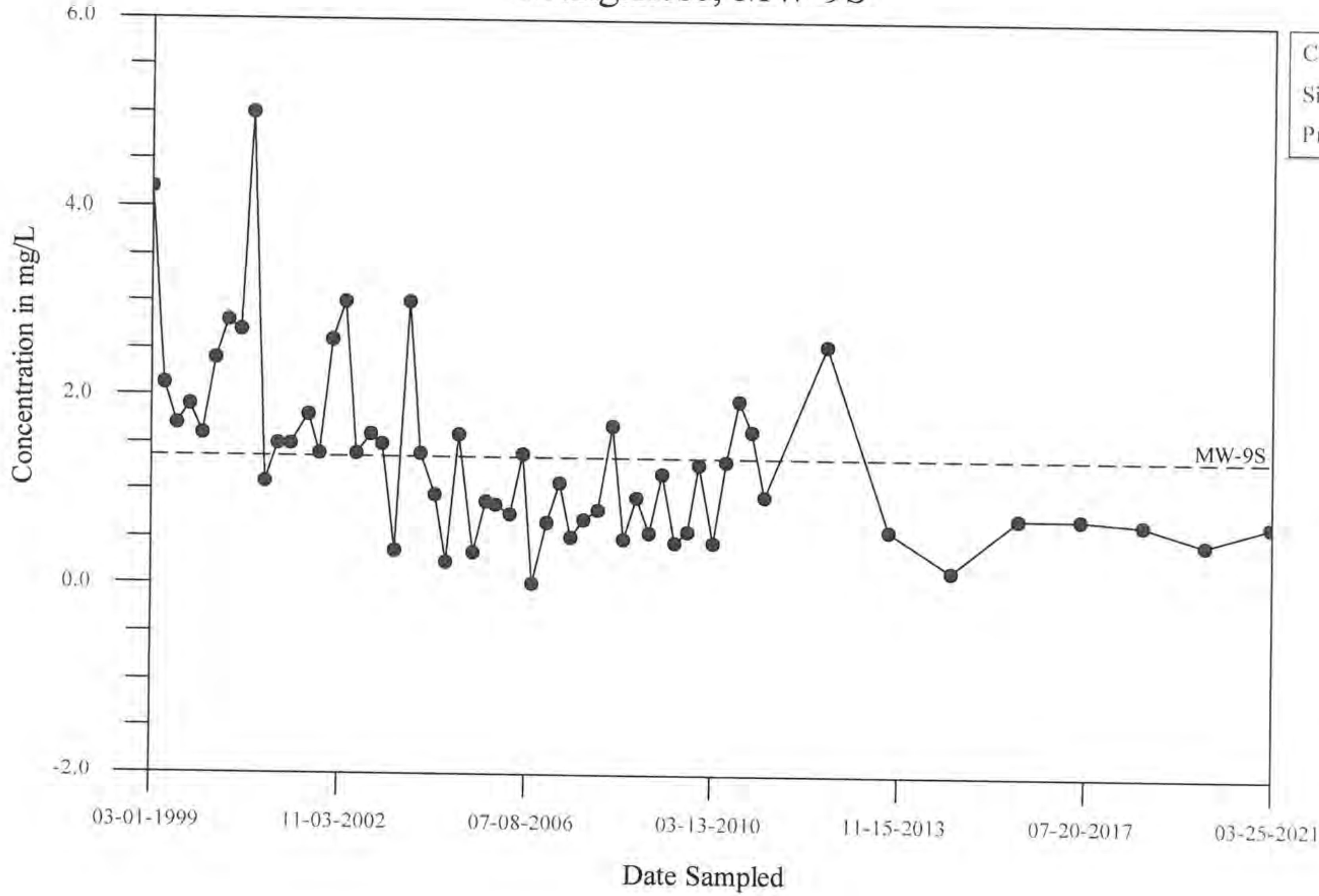
Site: Tannery Road Landfill

Program: Tannery Road Lanfill



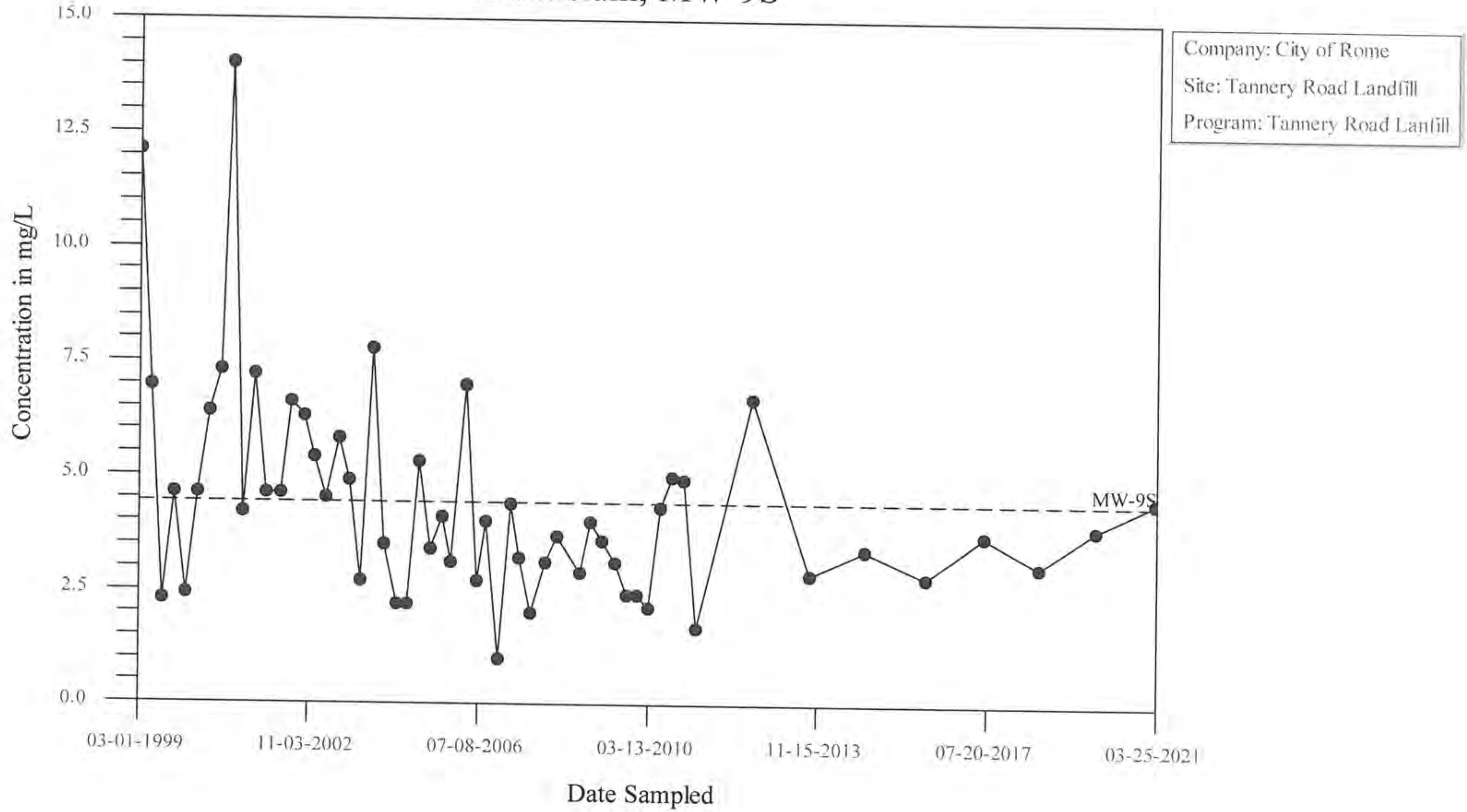
Time-Series Plot
Iron, MW-9S
Concentration in mg/L
125.0
100.0
75.0
50.0
25.0
0.0
-25.0
MW-9S
03-01-1999
11-03-2002
07-08-2006
03-13-2010
11-15-2013
07-20-2017
03-25-2021
Date Sampled
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot
Manganese, MW-9S

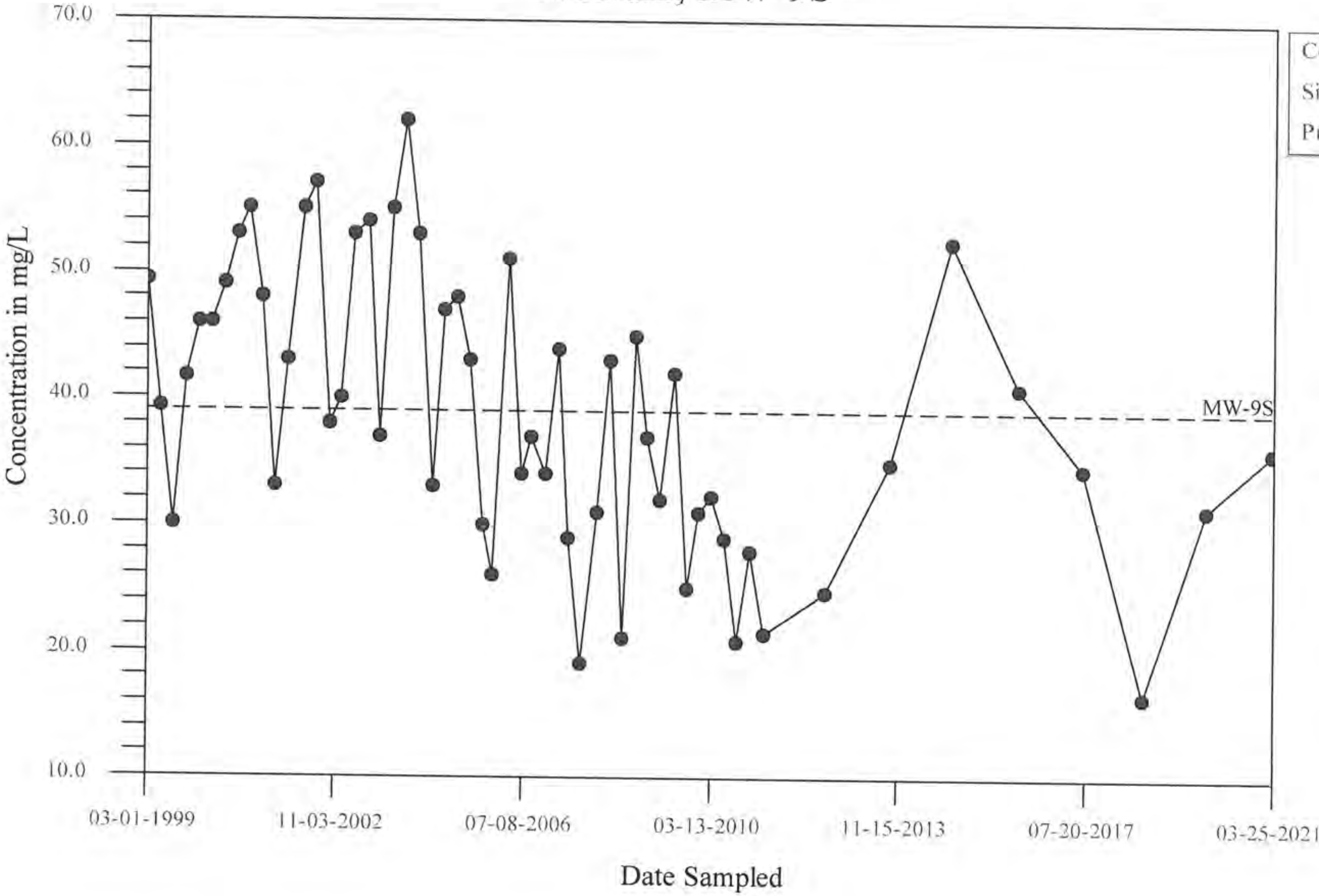


Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot
Potassium, MW-9S

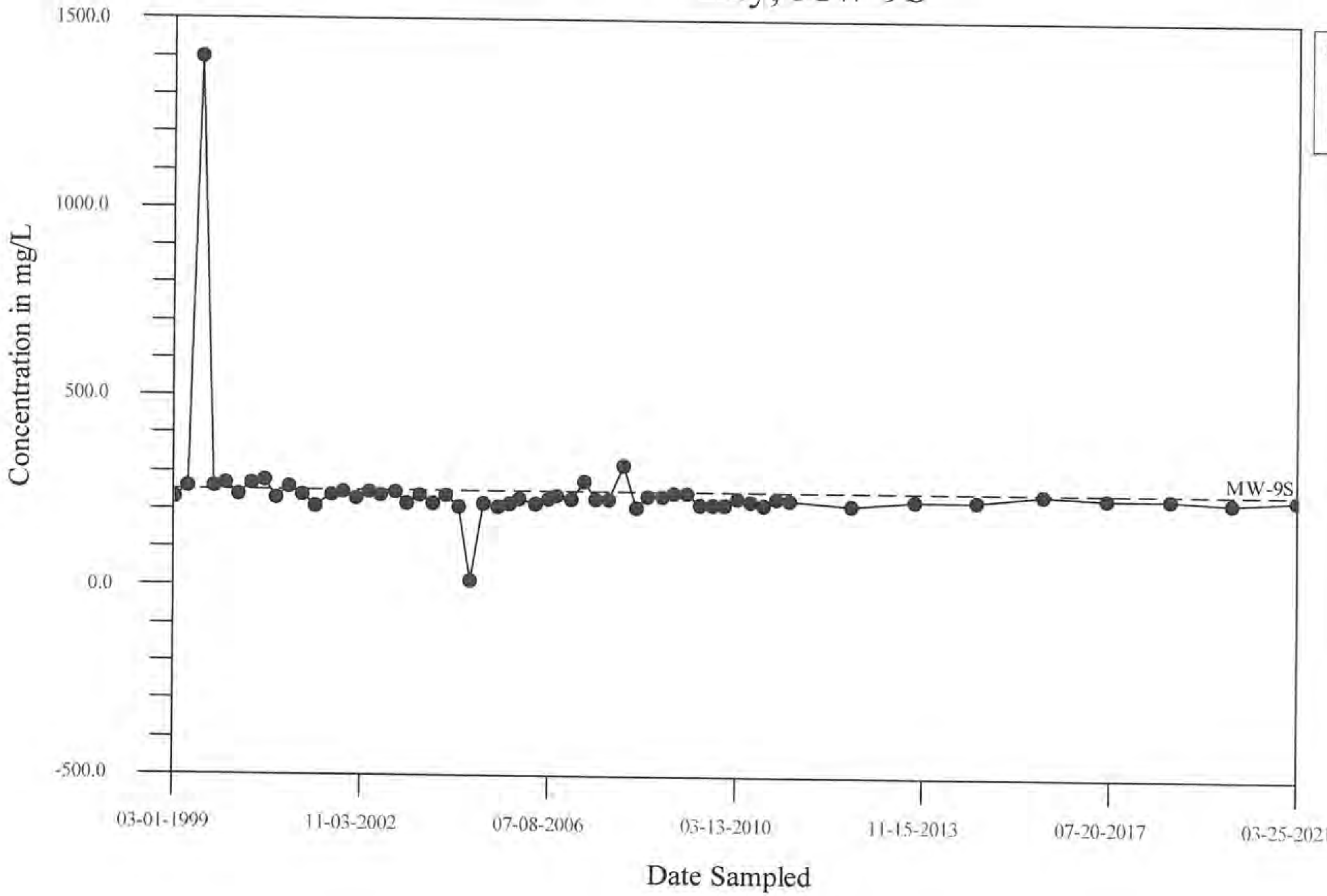


Time-Series Plot
Sodium, MW-9S



Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

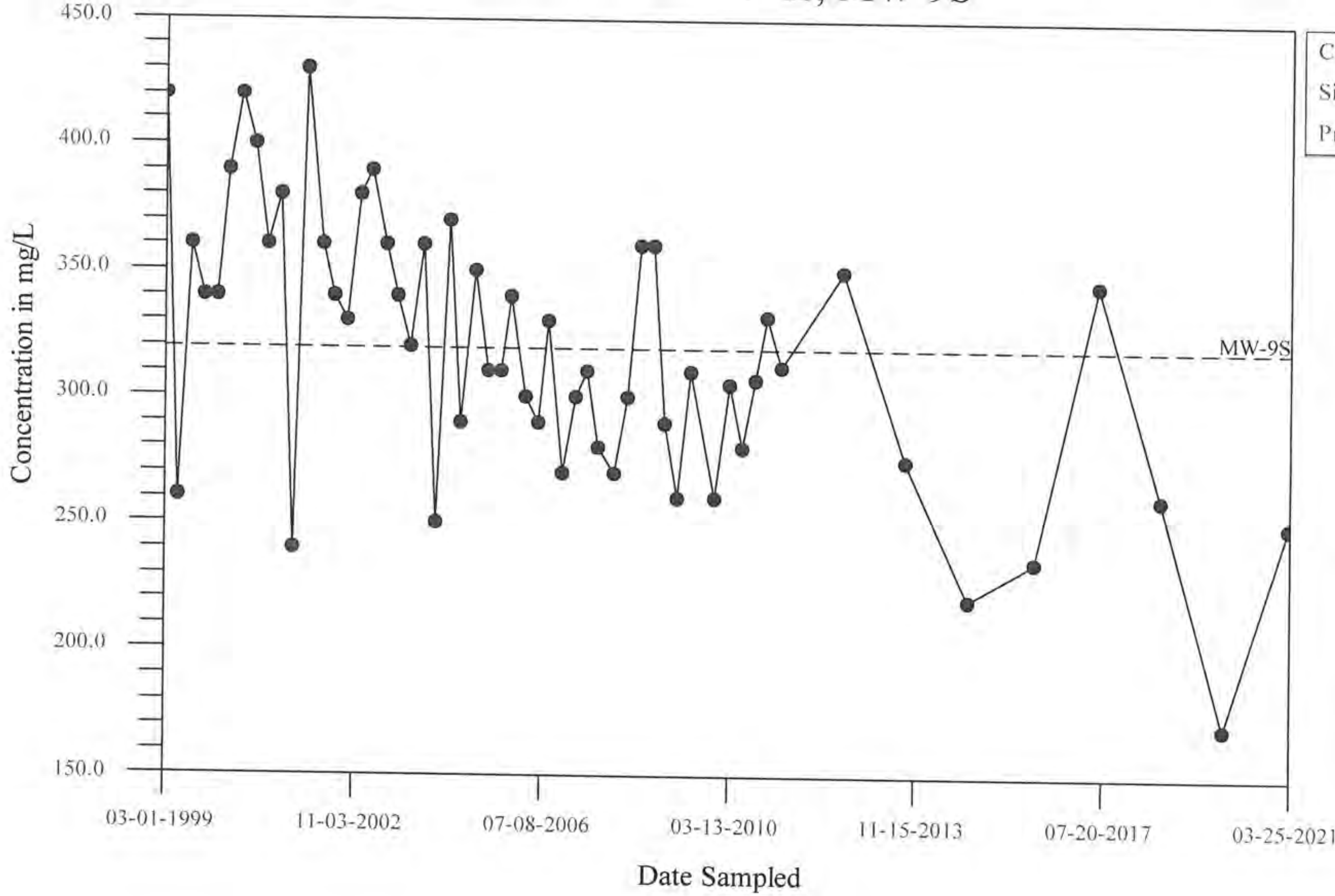
Time-Series Plot
Total Alkalinity, MW-9S



Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

Time-Series Plot

Total Dissolved Solids, MW-9S



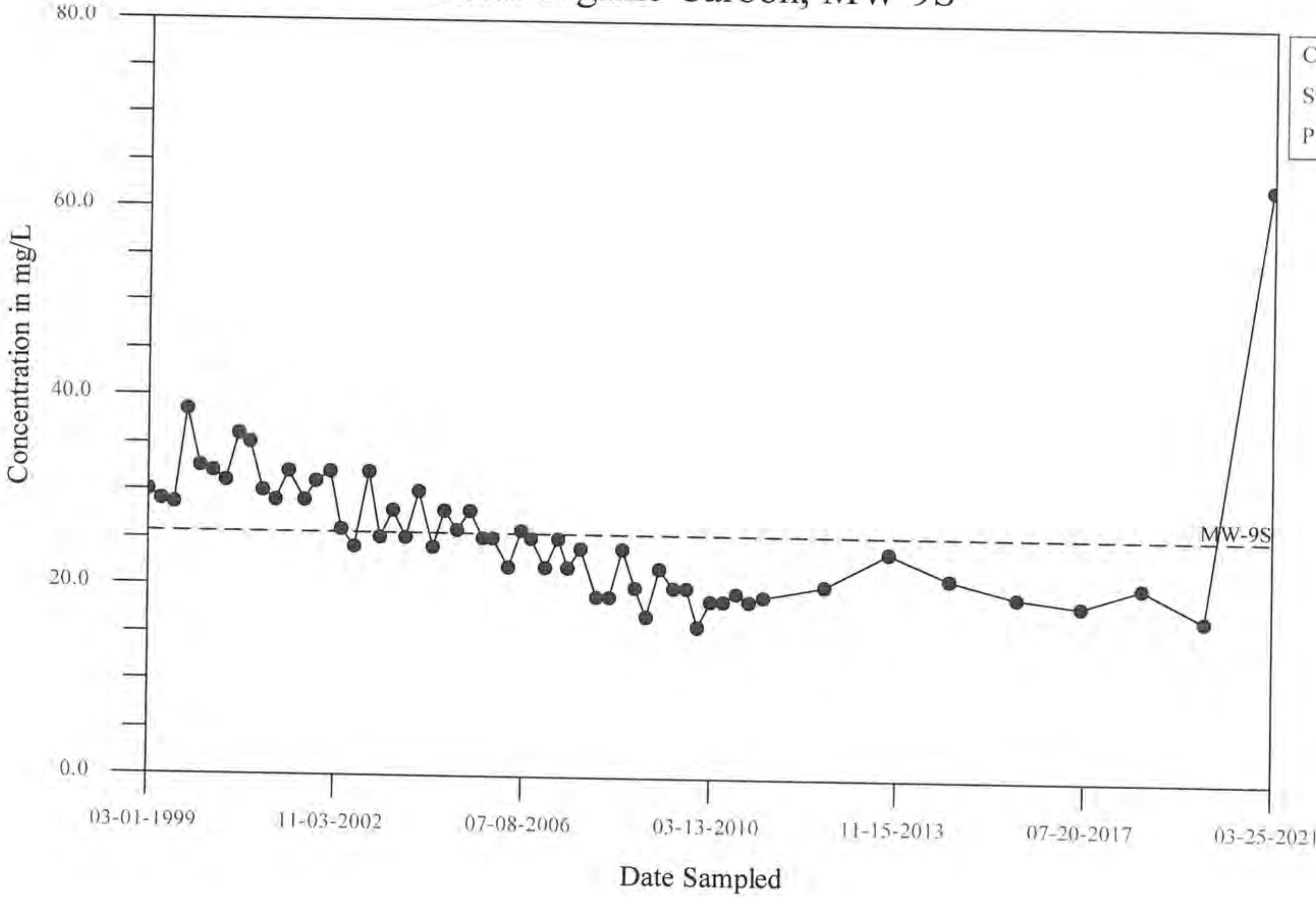
Company: City of Rome

Site: Tannery Road Landfill

Program: Tannery Road Lanfill

Time-Series Plot

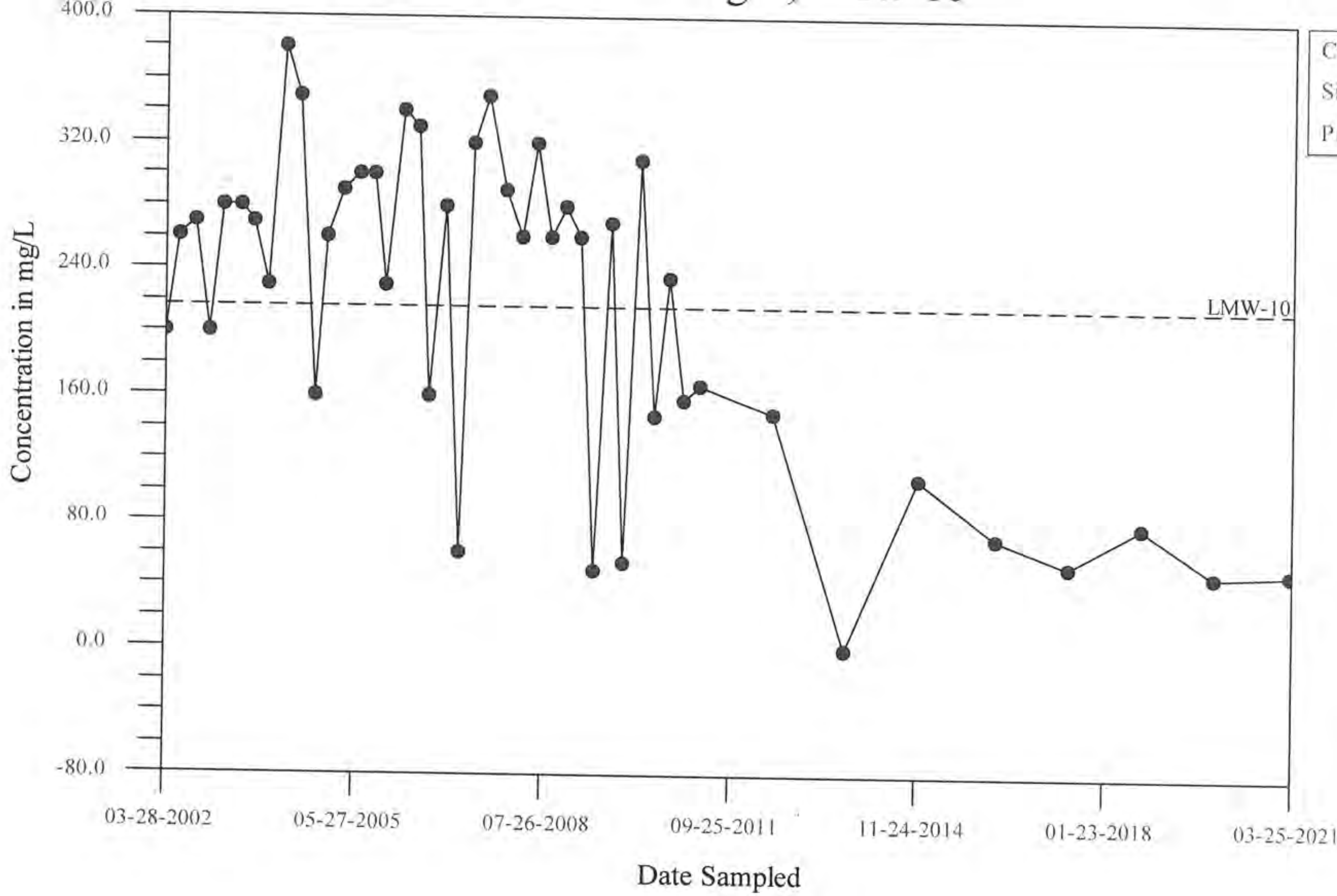
Total Organic Carbon, MW-9S



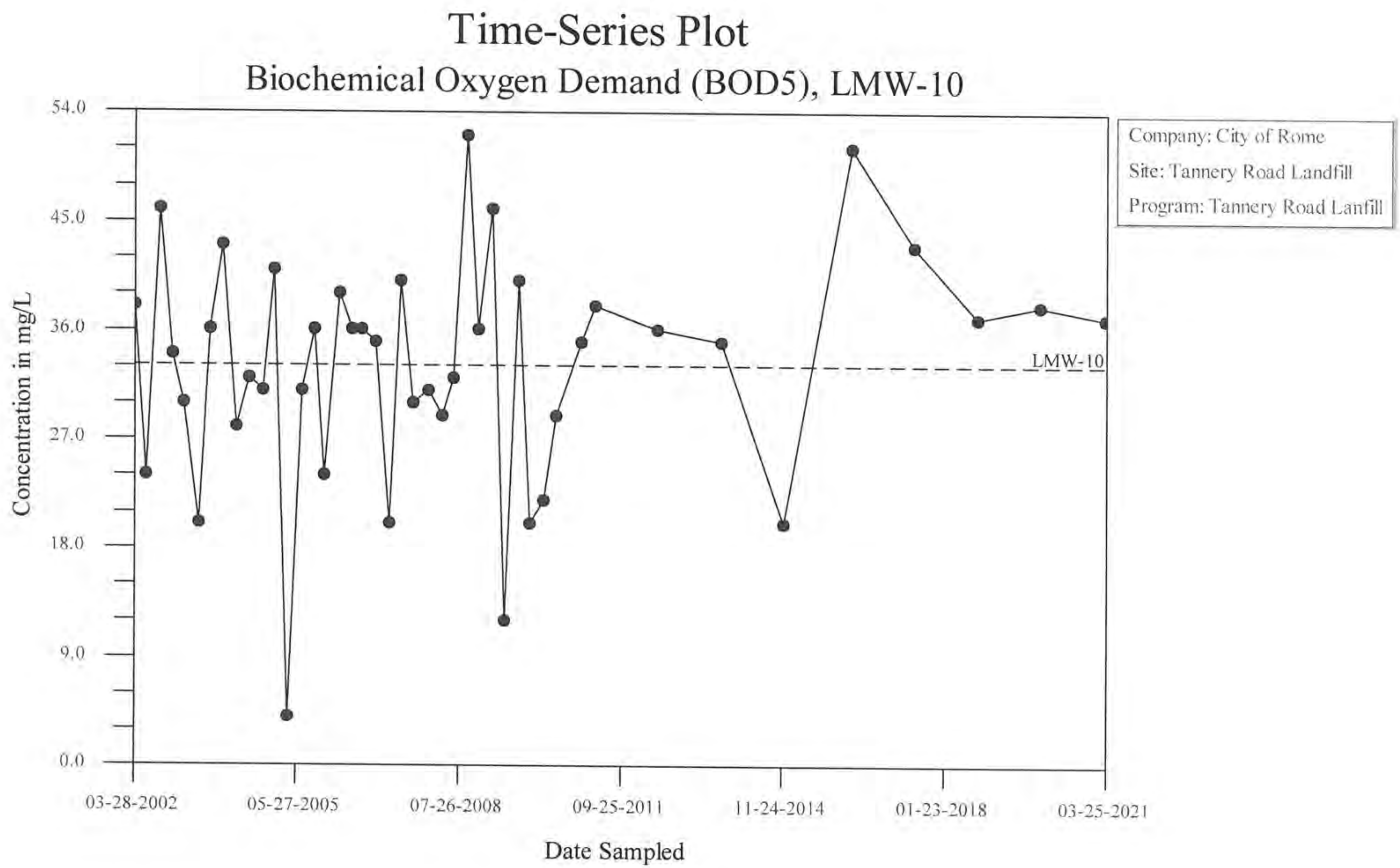
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

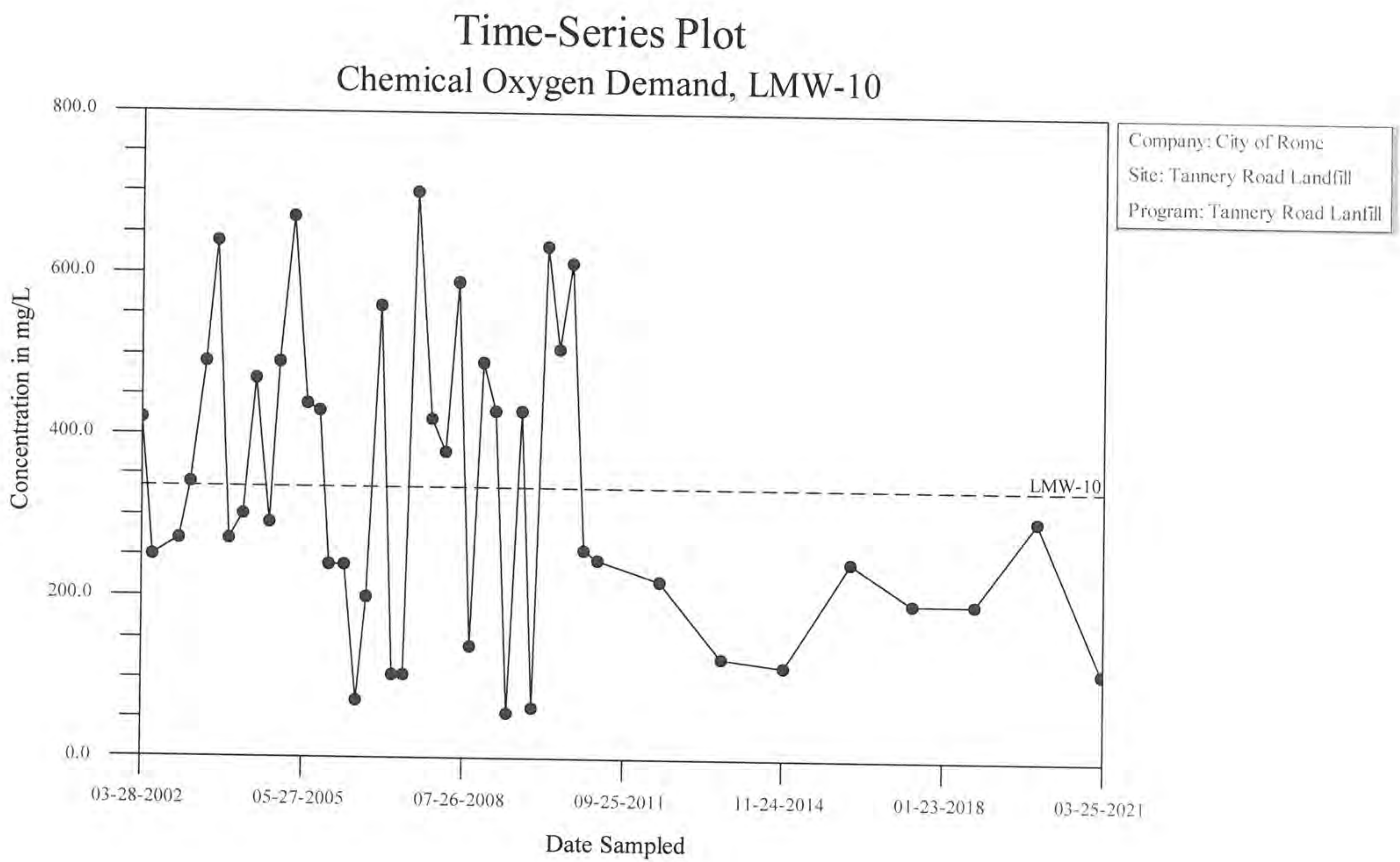
Time-Series Plot

Ammonia-Nitrogen, LMW-10



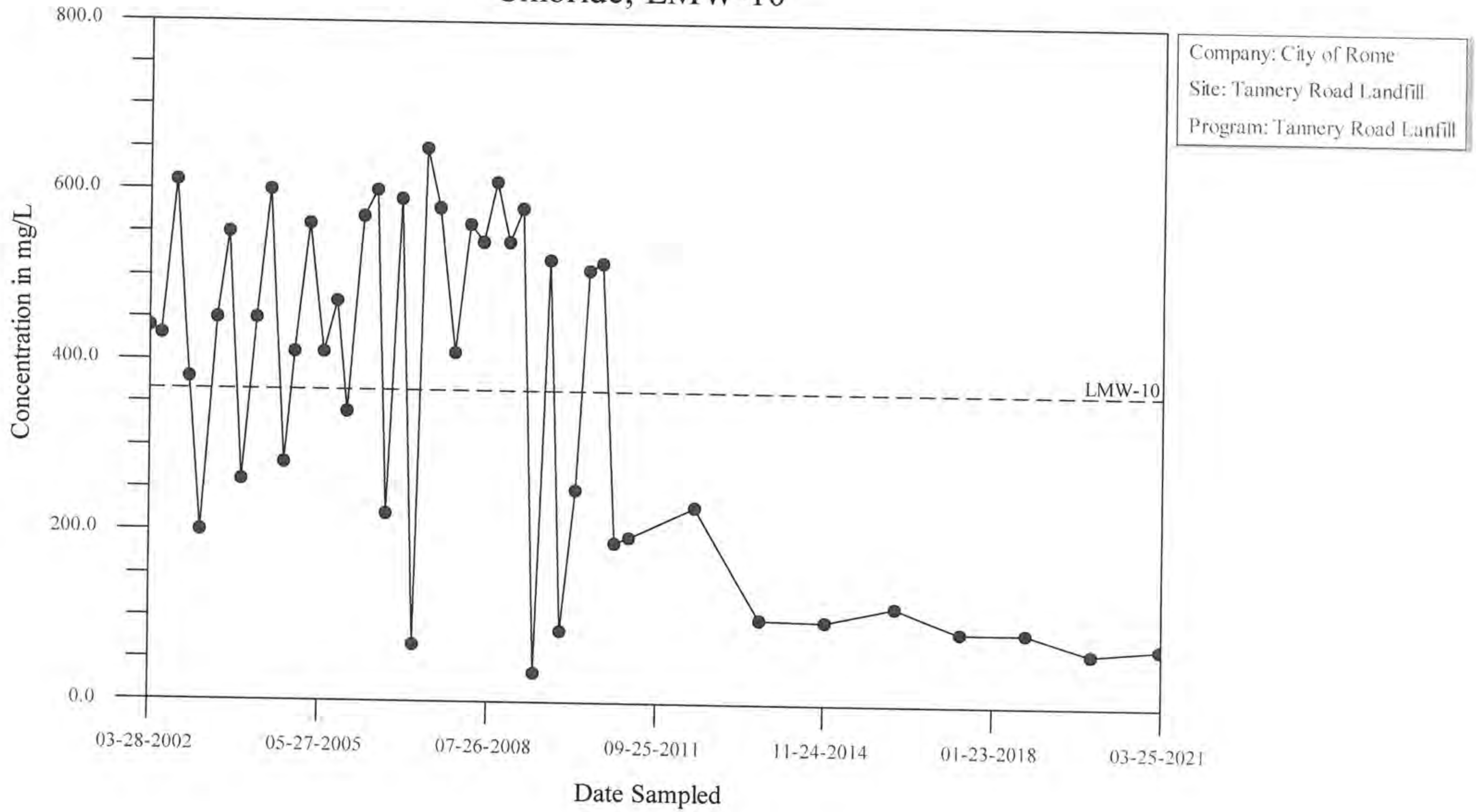
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill


Time-Series Plot
Biochemical Oxygen Demand (BOD5), LMW-10
Concentration in mg/L
54.0
45.0
36.0
27.0
18.0
9.0
0.0
LMW-10
03-28-2002
05-27-2005
07-26-2008
09-25-2011
11-24-2014
01-23-2018
03-25-2021
Date Sampled
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

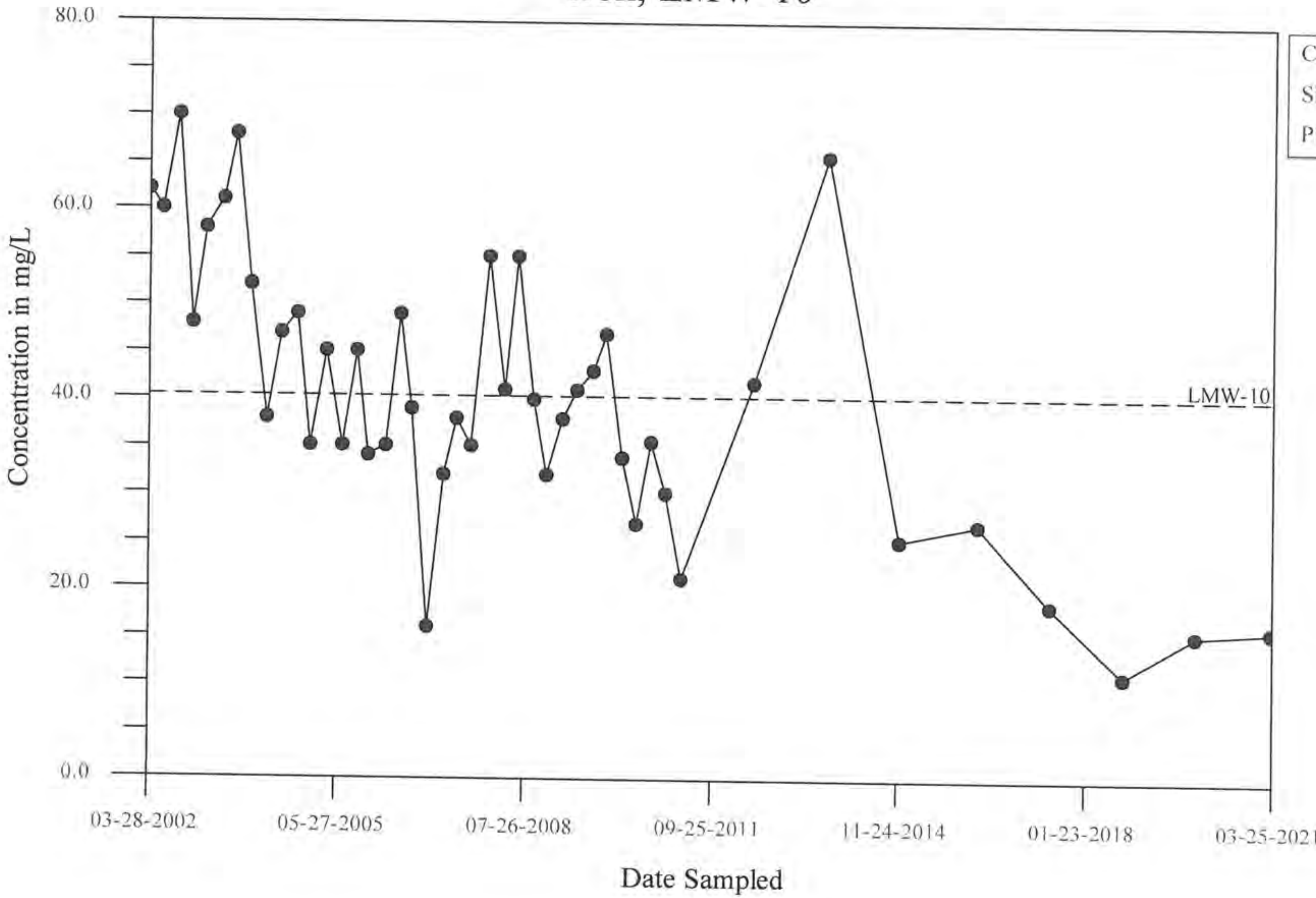


Time-Series Plot
Chemical Oxygen Demand, LMW-10
800.0
600.0
400.0
200.0
0.0
Concentration in mg/L
LMW-10
03-28-2002
05-27-2005
07-26-2008
09-25-2011
11-24-2014
01-23-2018
03-25-2021
Date Sampled
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

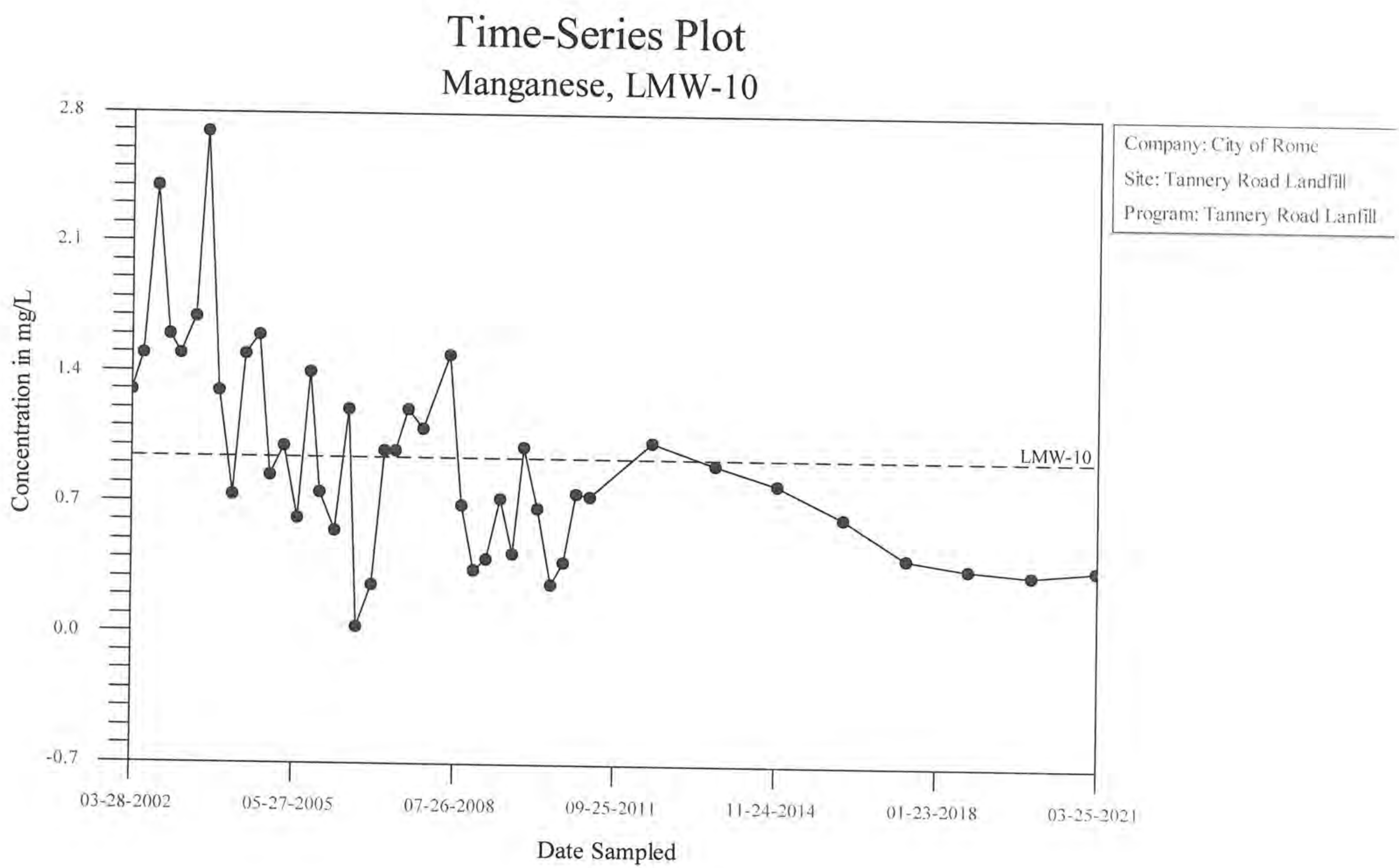
Time-Series Plot
Chloride, LMW-10



Time-Series Plot
Iron, LMW-10



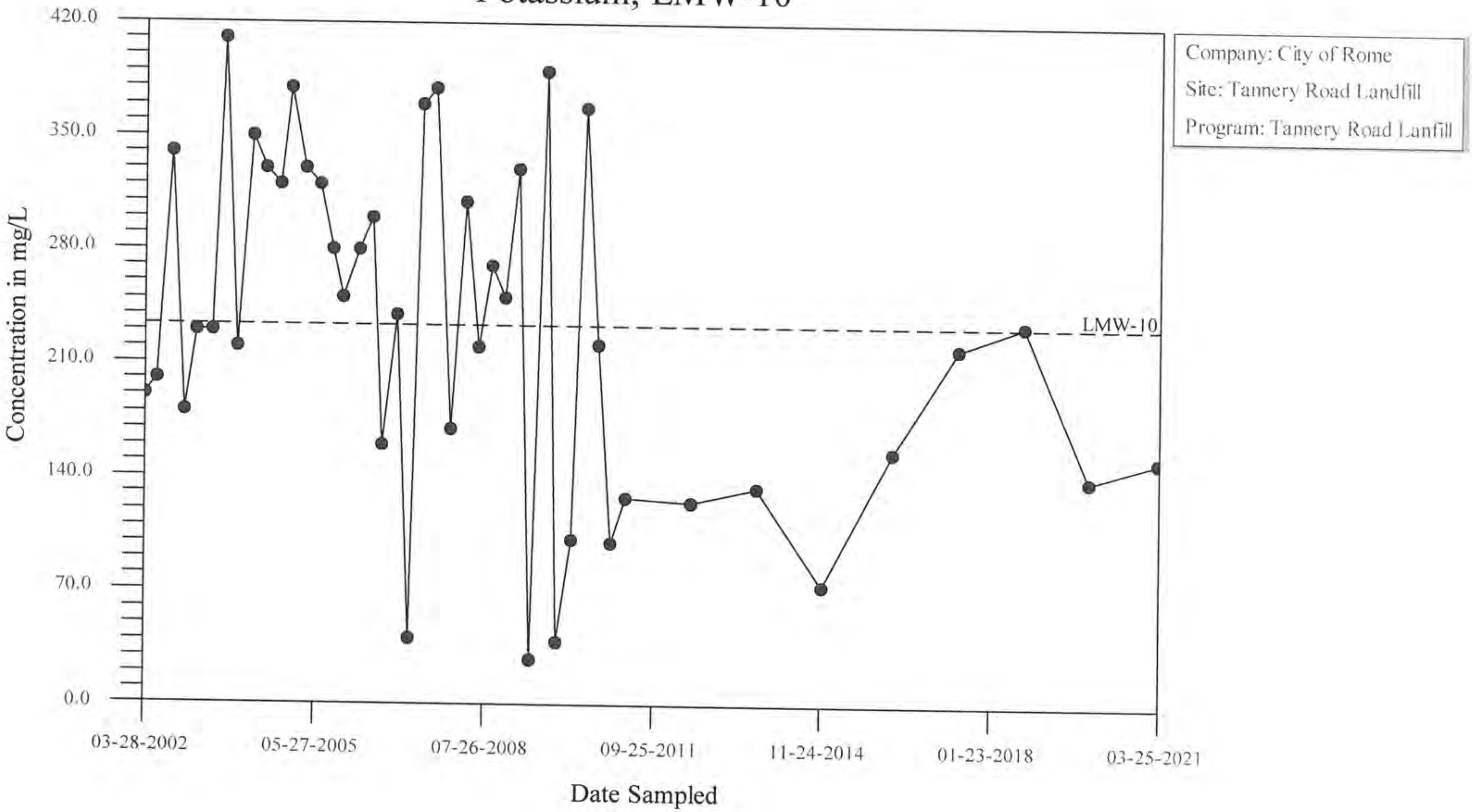
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill



Time-Series Plot
Manganese, LMW-10
Concentration in mg/L
2.8
2.1
1.4
0.7
0.0
-0.7
LMW-10
03-28-2002
05-27-2005
07-26-2008
09-25-2011
11-24-2014
01-23-2018
03-25-2021
Date Sampled
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

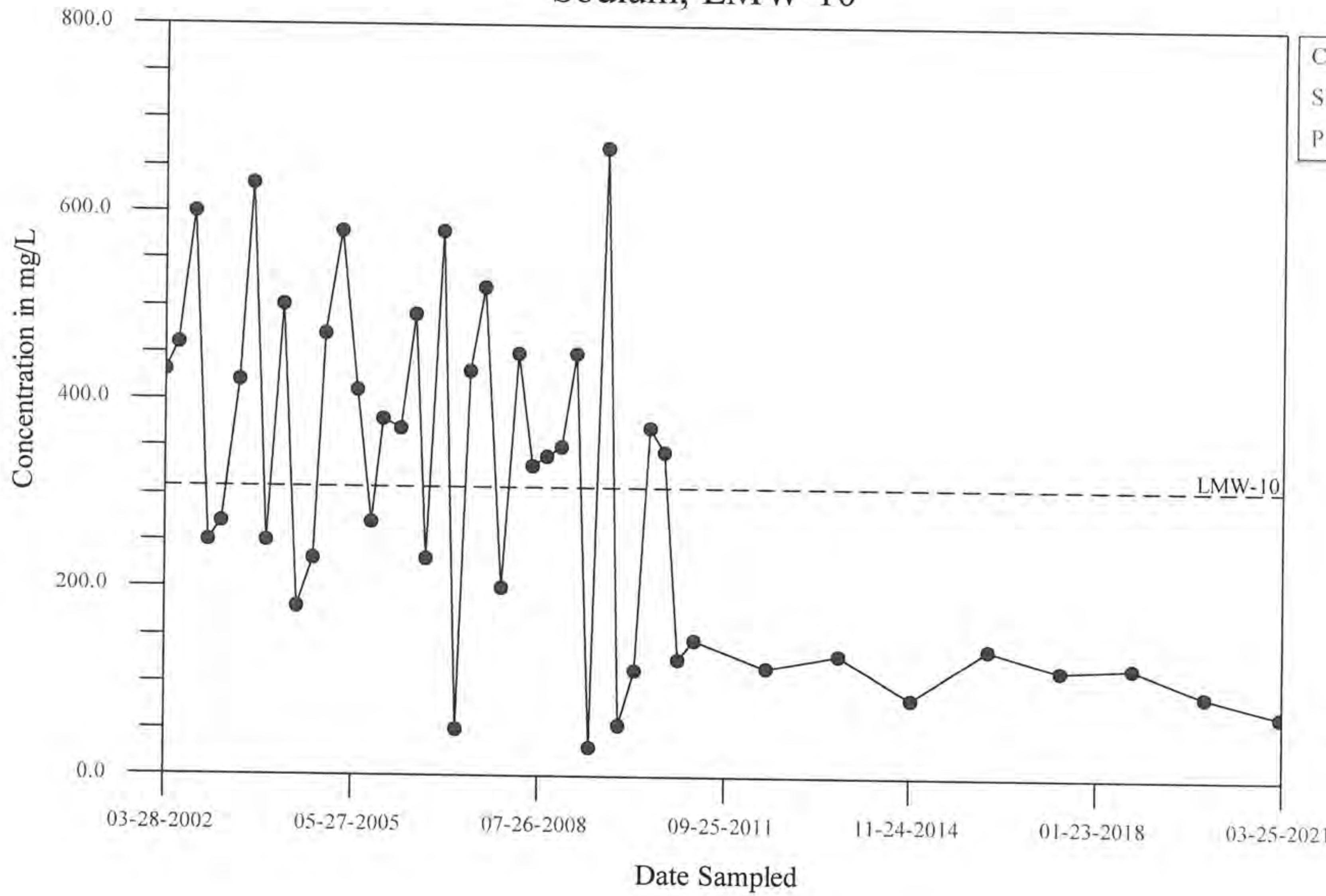
Time-Series Plot

Potassium, LMW-10



Time-Series Plot

Sodium, LMW-10



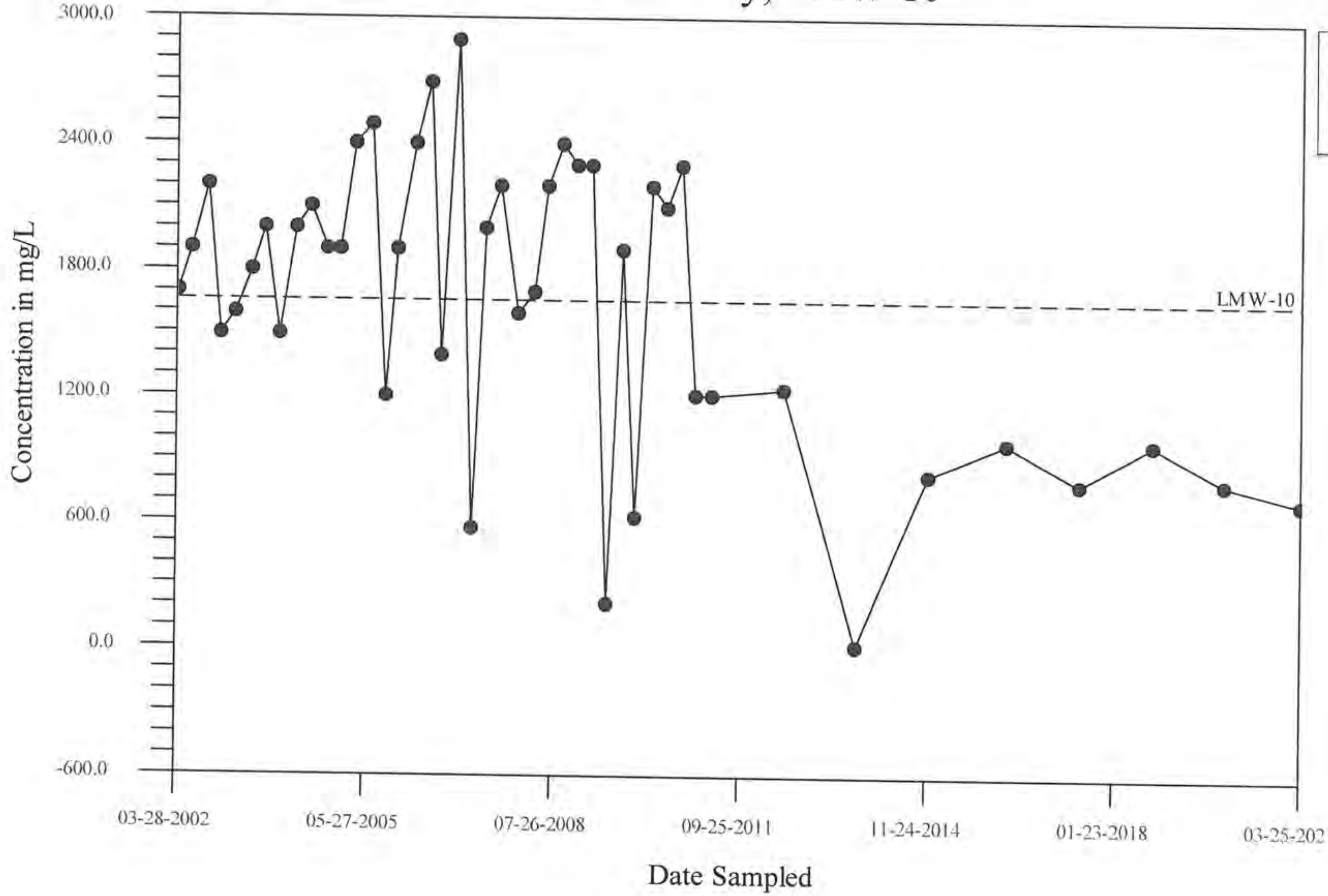
Company: City of Rome

Site: Tannery Road Landfill

Program: Tannery Road Lanfill

Time-Series Plot

Total Alkalinity, LMW-10



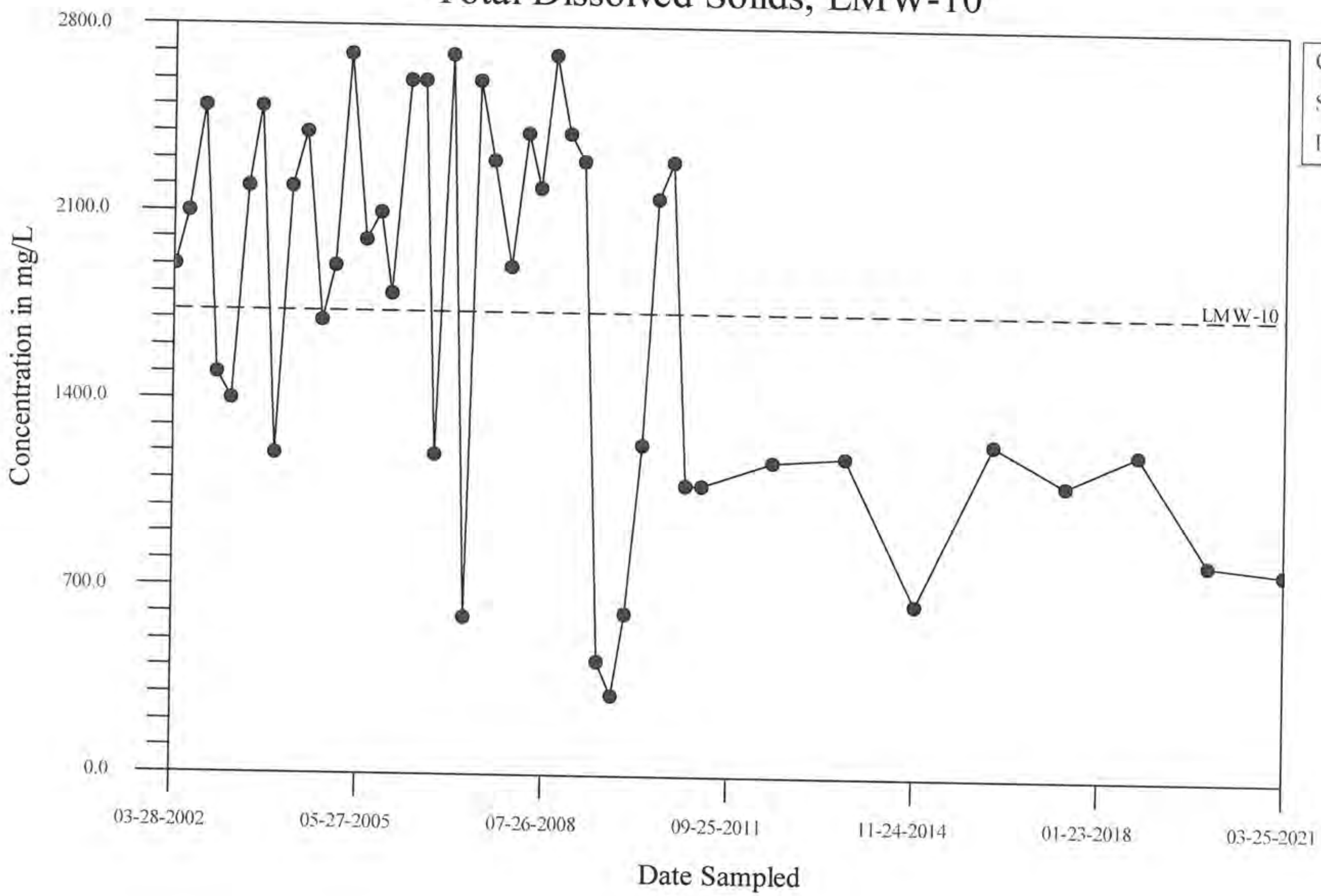
Company: City of Rome

Site: Tannery Road Landfill

Program: Tannery Road Lanfill

Time-Series Plot

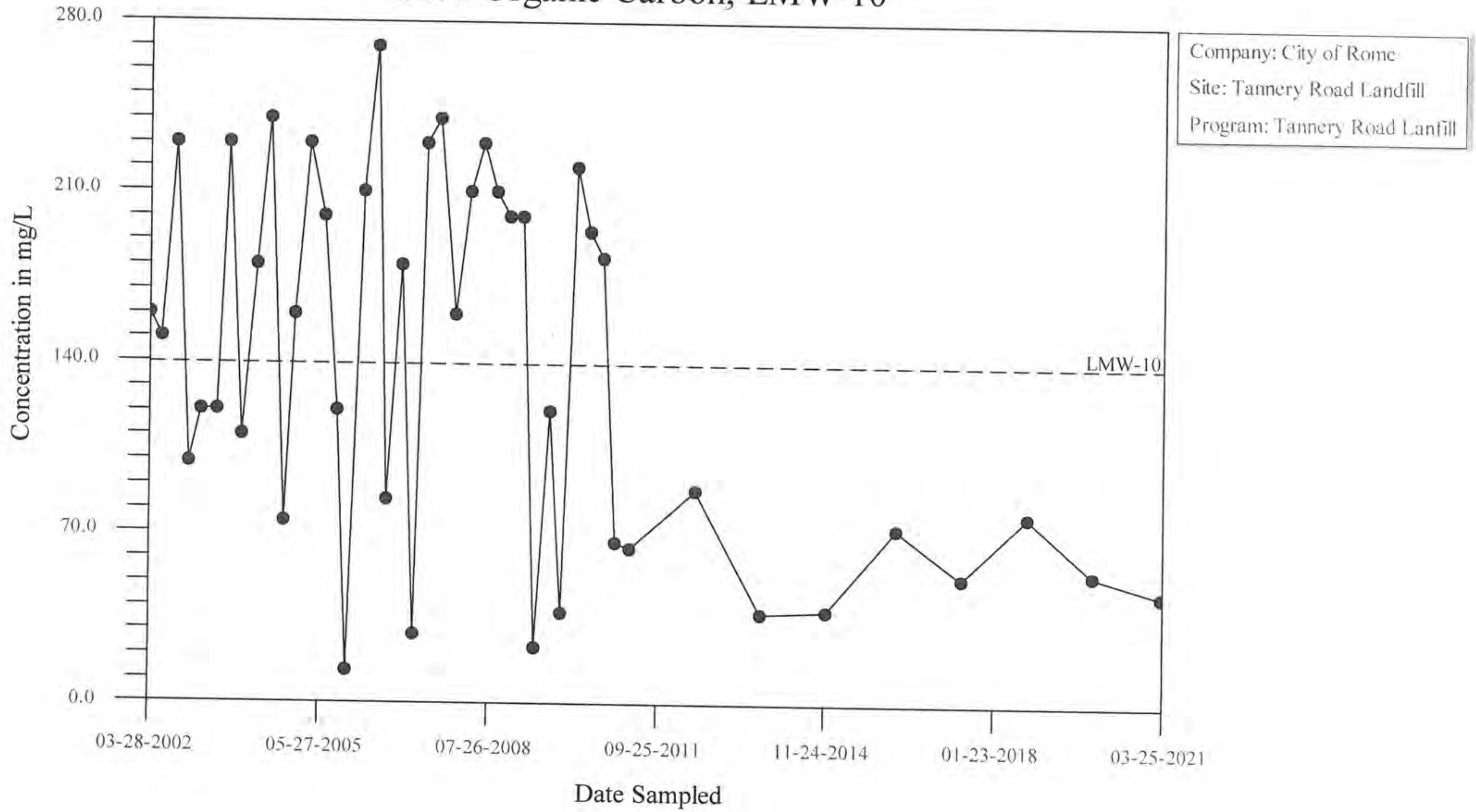
Total Dissolved Solids, LMW-10



Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill

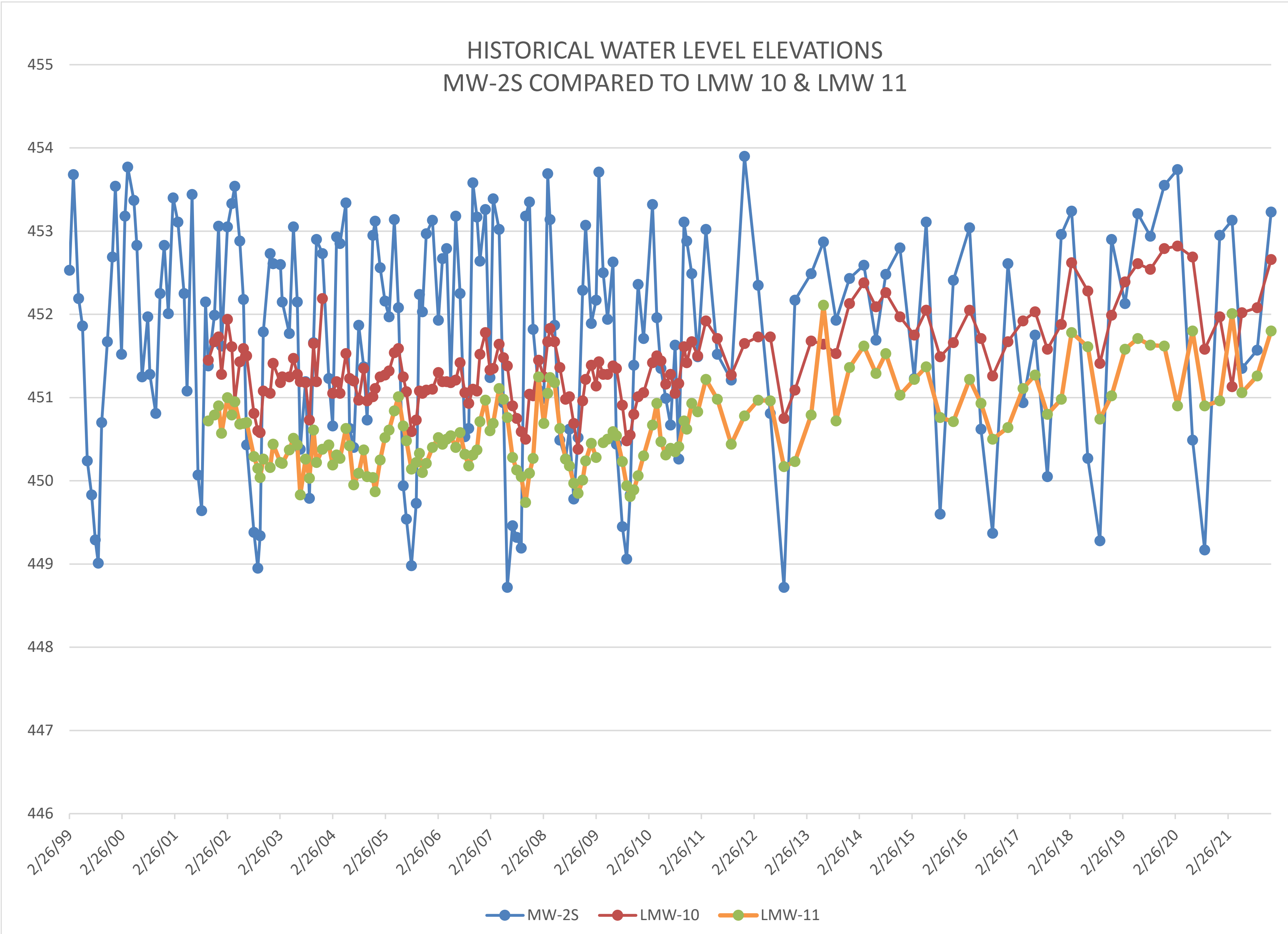
Time-Series Plot

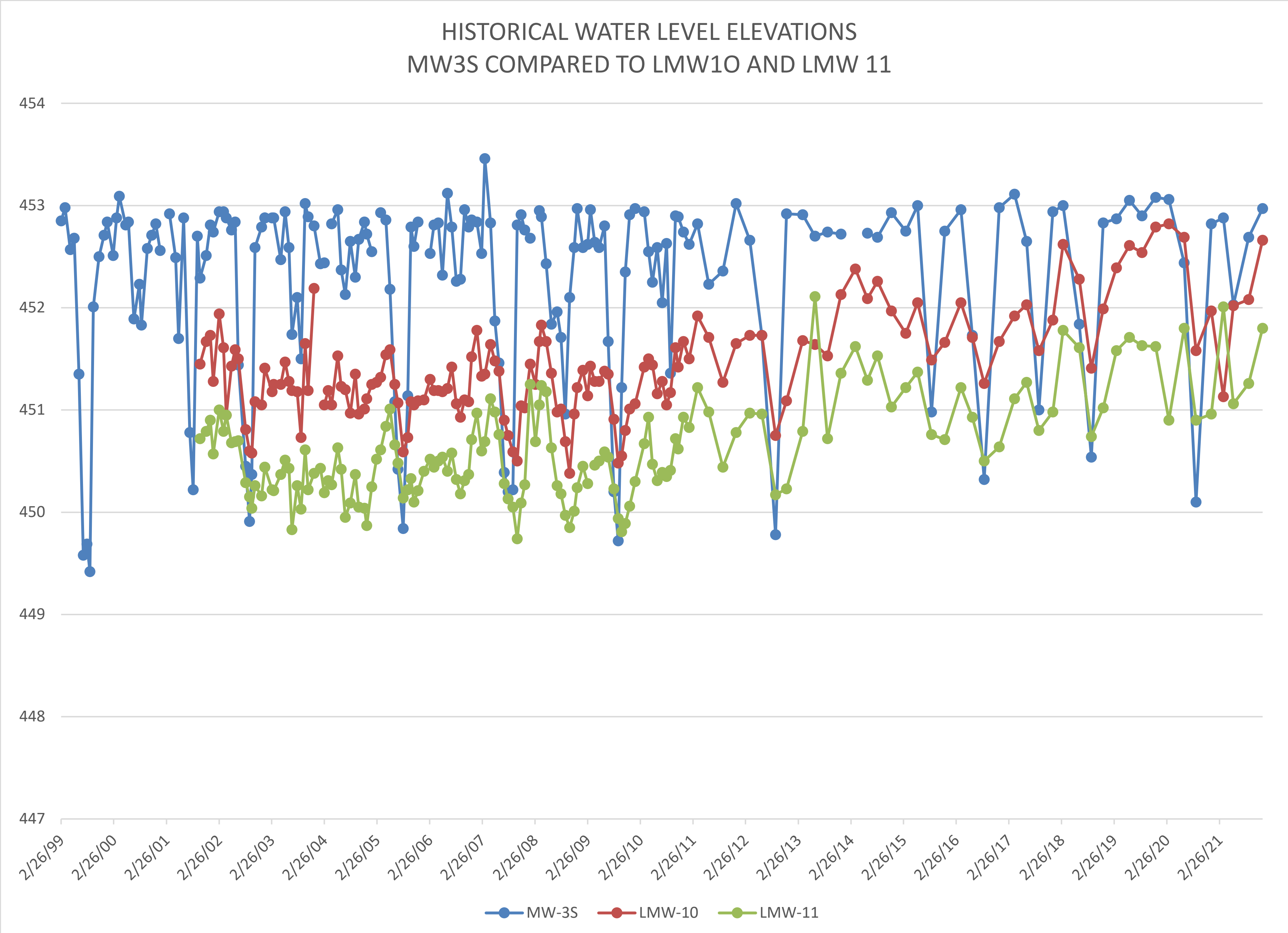
Total Organic Carbon, LMW-10



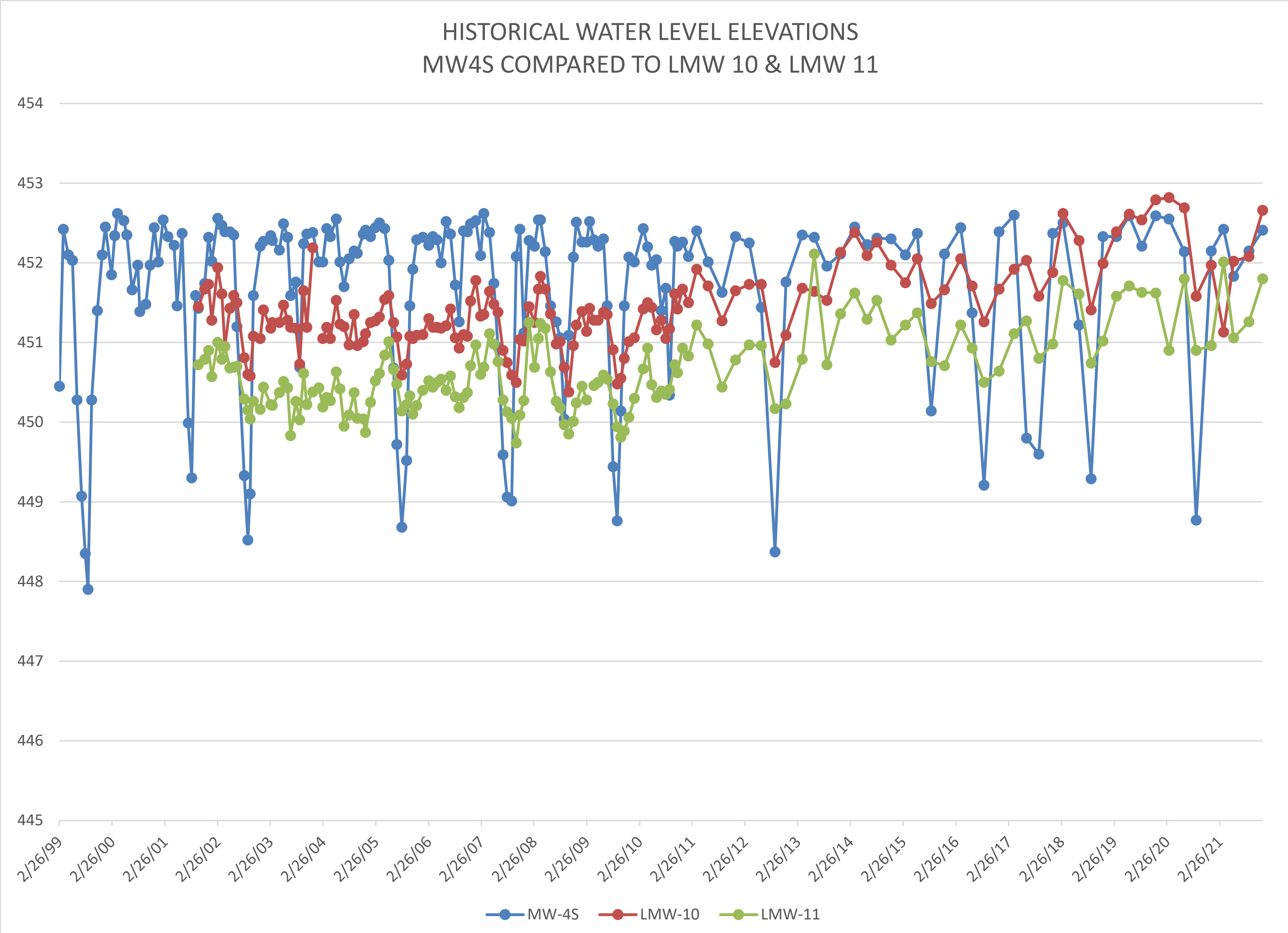
Appendix C

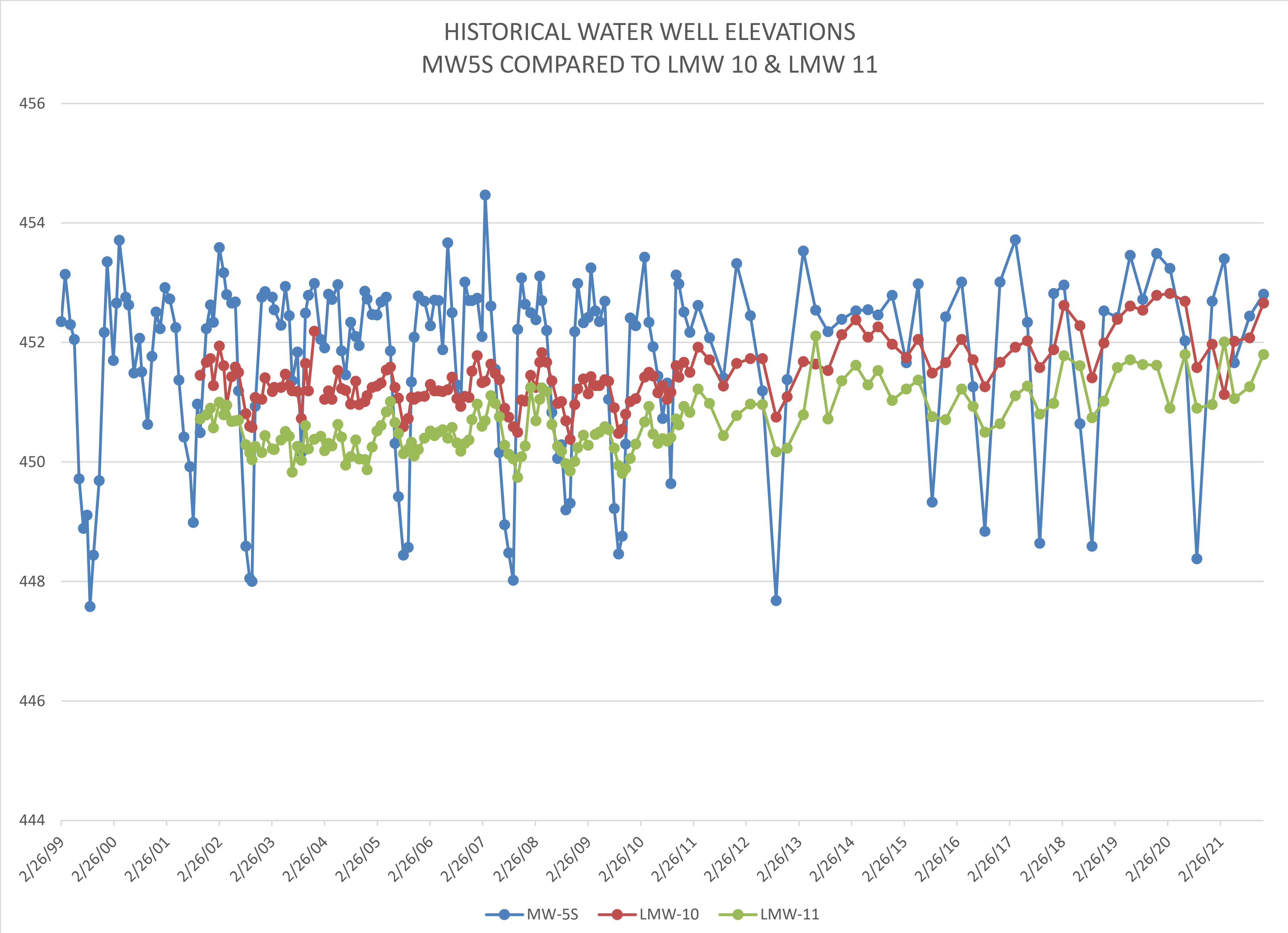
Monitoring Well and Leachate Well Ground Water Level Elevation Graphs

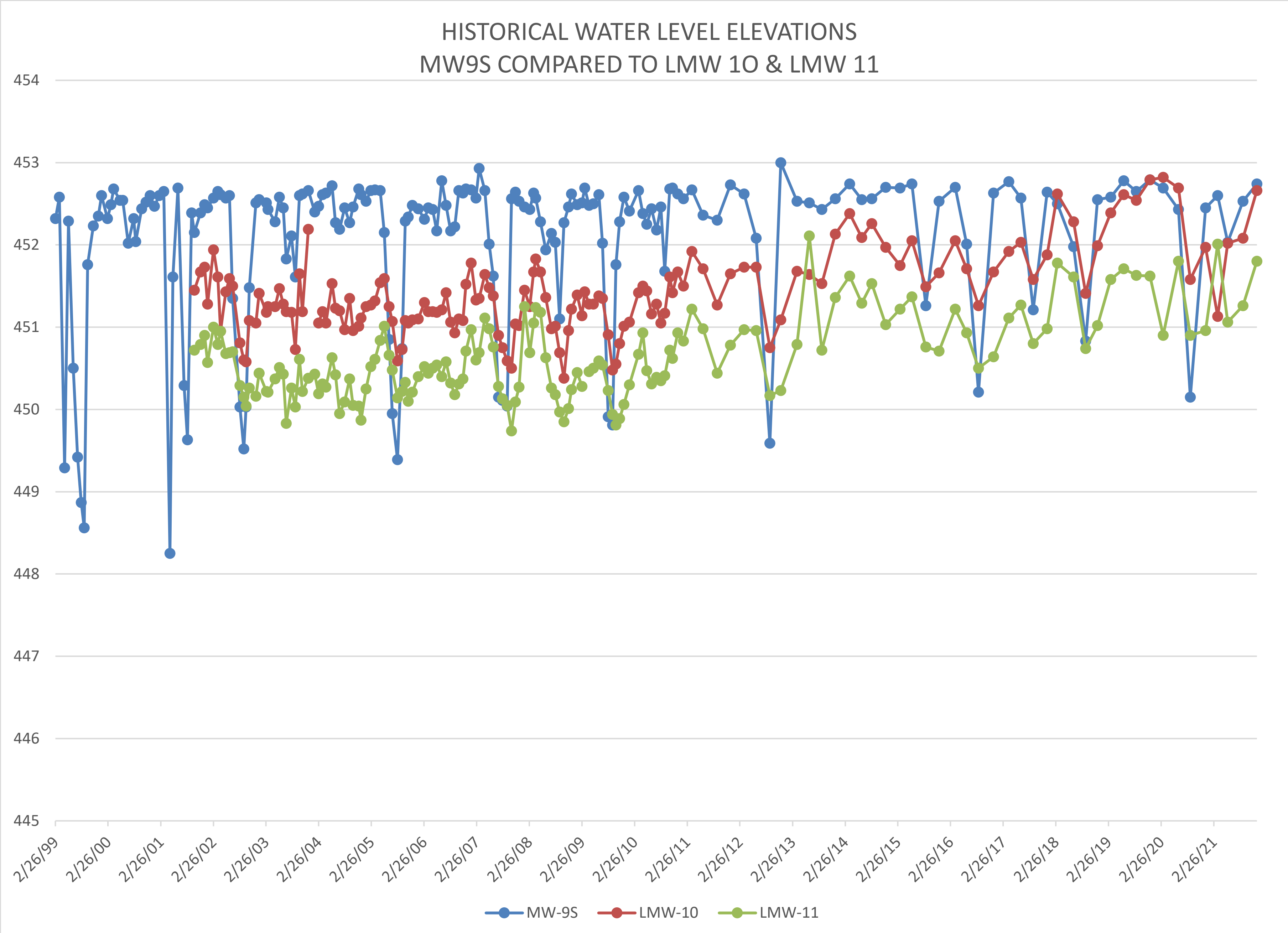

HISTORICAL WATER LEVEL ELEVATIONS
MW-2S COMPARED TO LMW 10 & LMW 11
455
454
453
452
451
450
449
448
447
446
2/26/99
2/26/00
2/26/01
2/26/02
2/26/03
2/26/04
2/26/05
2/26/06
2/26/07
2/26/08
2/26/09
2/26/10
2/26/11
2/26/12
2/26/13
2/26/14
2/26/15
2/26/16
2/26/17
2/26/18
2/26/19
2/26/20
2/26/21
MW-2S
LMW-10
LMW-11

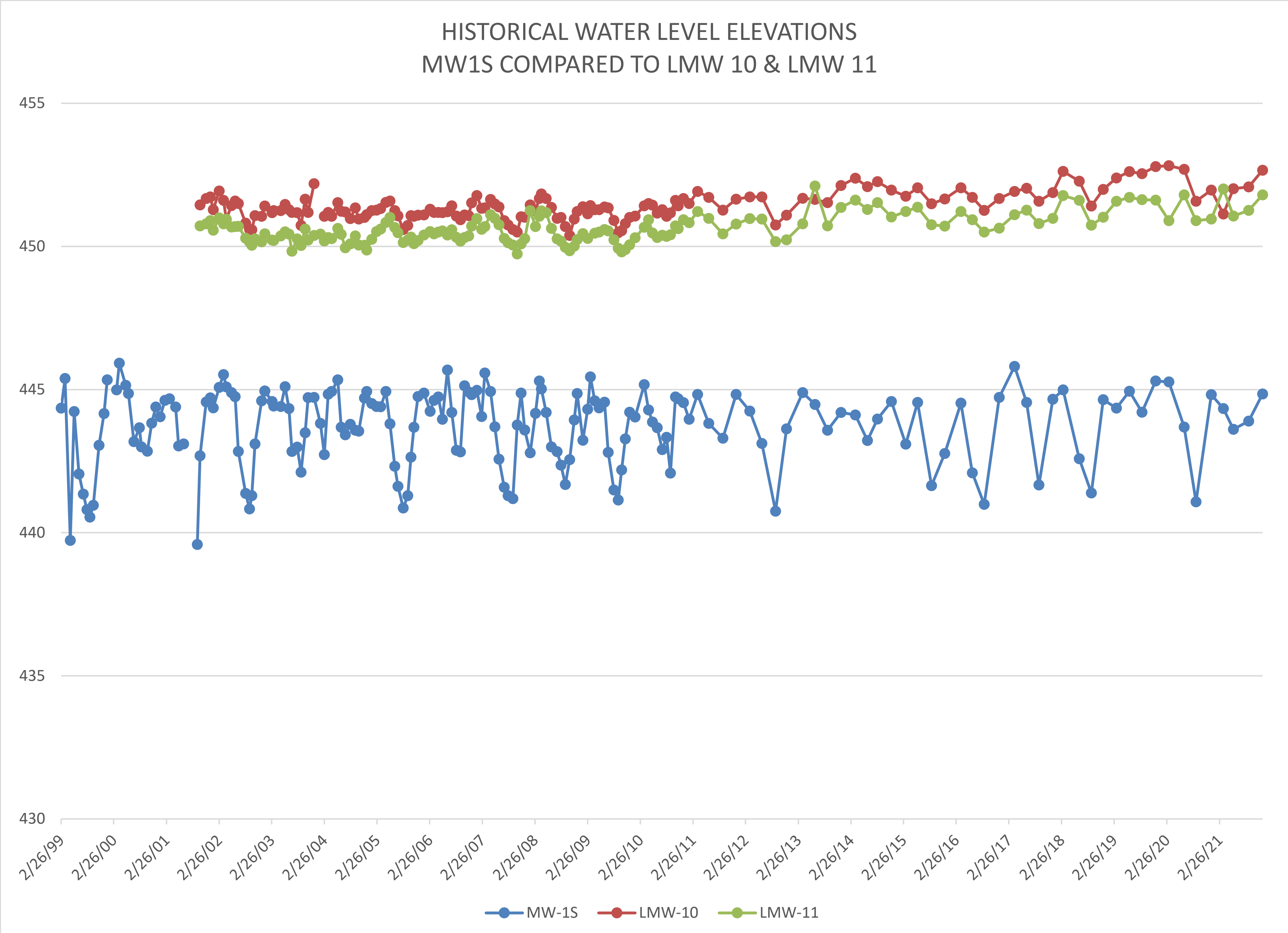


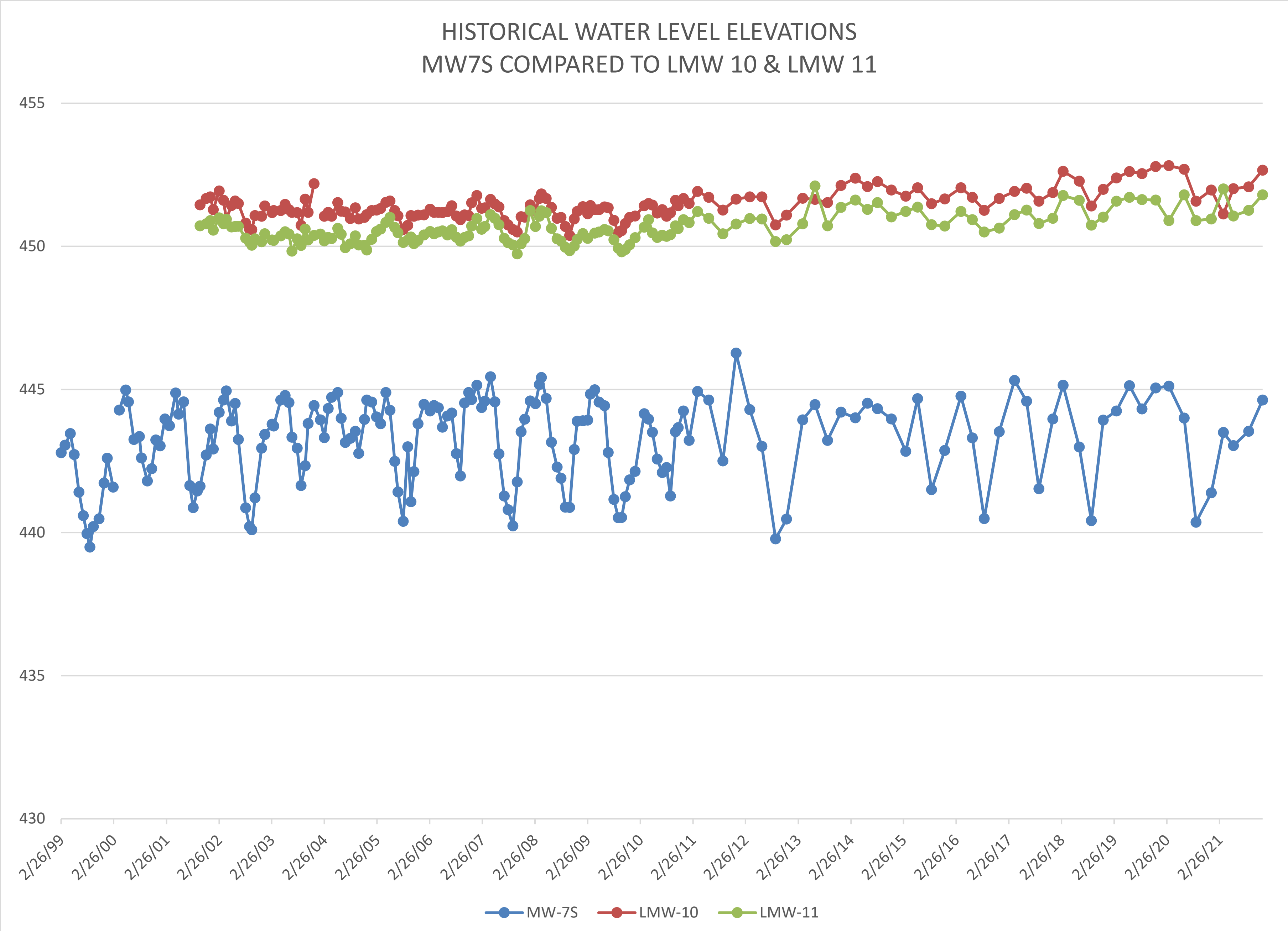
HISTORICAL WATER LEVEL ELEVATIONS
MW3S COMPARED TO LMW1O AND LMW 11
454
453
452
451
450
449
448
447
2/26/99
2/26/00
2/26/01
2/26/02
2/26/03
2/26/04
2/26/05
2/26/06
2/26/07
2/26/08
2/26/09
2/26/10
2/26/11
2/26/12
2/26/13
2/26/14
2/26/15
2/26/16
2/26/17
2/26/18
2/26/19
2/26/20
2/26/21
MW-3S
LMW-10
LMW-11


HISTORICAL WATER LEVEL ELEVATIONS
MW4S COMPARED TO LMW 10 & LMW 11
454
453
452
451
450
449
448
447
446
445
2/26/99
2/26/00
2/26/01
2/26/02
2/26/03
2/26/04
2/26/05
2/26/06
2/26/07
2/26/08
2/26/09
2/26/10
2/26/11
2/26/12
2/26/13
2/26/14
2/26/15
2/26/16
2/26/17
2/26/18
2/26/19
2/26/20
2/26/21
MW-4S
LMW-10
LMW-11


HISTORICAL WATER WELL ELEVATIONS
MW5S COMPARED TO LMW 10 & LMW 11
456
454
452
450
448
446
444
2/26/99
2/26/00
2/26/01
2/26/02
2/26/03
2/26/04
2/26/05
2/26/06
2/26/07
2/26/08
2/26/09
2/26/10
2/26/11
2/26/12
2/26/13
2/26/14
2/26/15
2/26/16
2/26/17
2/26/18
2/26/19
2/26/20
2/26/21
MW-5S
LMW-10
LMW-11


HISTORICAL WATER LEVEL ELEVATIONS
MW9S COMPARED TO LMW 1O & LMW 11
454
453
452
451
450
449
448
447
446
445
2/26/99
2/26/00
2/26/01
2/26/02
2/26/03
2/26/04
2/26/05
2/26/06
2/26/07
2/26/08
2/26/09
2/26/10
2/26/11
2/26/12
2/26/13
2/26/14
2/26/15
2/26/16
2/26/17
2/26/18
2/26/19
2/26/20
2/26/21
MW-9S
LMW-10
LMW-11


HISTORICAL WATER LEVEL ELEVATIONS
MW1S COMPARED TO LMW 10 & LMW 11
455
450
445
440
435
430
2/26/99
2/26/00
2/26/01
2/26/02
2/26/03
2/26/04
2/26/05
2/26/06
2/26/07
2/26/08
2/26/09
2/26/10
2/26/11
2/26/12
2/26/13
2/26/14
2/26/15
2/26/16
2/26/17
2/26/18
2/26/19
2/26/20
2/26/21
MW-1S
LMW-10
LMW-11



HISTORICAL WATER LEVEL ELEVATIONS
MW7S COMPARED TO LMW 10 & LMW 11
455
450
445
440
435
430
2/26/99
2/26/00
2/26/01
2/26/02
2/26/03
2/26/04
2/26/05
2/26/06
2/26/07
2/26/08
2/26/09
2/26/10
2/26/11
2/26/12
2/26/13
2/26/14
2/26/15
2/26/16
2/26/17
2/26/18
2/26/19
2/26/20
2/26/21
MW-7S
LMW-10
LMW-11

Appendix D

Quarterly Inspection Forms

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 3-25-2021 Inspector: Brent Zimmer
Weather: Sunny

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	
Access Road - surface/paving/snow	OK	
Overall appearance (trash/litter)	OK	

Pump Station at Tannery Road: Condition: OK

Pump #1 Hours: 12469.9 Pump #2 Hours: 12452.50

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows	OK	
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	
Meter Pit - open lid, check heater, leaks, etc.	OK	

Panel note conditions and any alarms: OK

Totalizers (in meter pit)

RW-1	45386	RW-3	6501,60
RW-2	06299	RW-4	—

Hour Meters

RW-1	19686.5	RW-3	10566.7
RW-2	46306.5	RW-4	28401.5

Landfill Cover Inspection

Leachate seeps Any new seeps NO If YES, describe: North side next to Well pump

Western seep condition: ok Eroded

North seep condition: Eroded

Gas vents - general condition OK Off

- Unusual odors, list vents/describe. No

Flares ignited OK None

Perimeter fence OK ok

Erosion/animal burrows NO If YES, describe:

Cap has erosion on all sides of the cap.

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 3-25-21 Inspector: Brent Zimmer

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	5.25	444.34	Good
MW - 2S	459.44	6.31	453.13	Good
MW - 3S	456.4	3.52	452.88	Good
MW - 4S	456.19	3.77	452.42	Good
MW - 5S	457.15	3.75	453.40	Good
MW - 7S	452.25	8.75	443.50	Good
MW - 7D	451.79	9.25	442.52	Good
MW - 9S	456.38	3.78	452.60	Good
MW - 10	486.3	35.17	451.13	Good
MW - 11	502.4	50.39	452.01	Good
MW - 12	483.11	—	—	Obstruction
PZ - 1*	454.37	4.99	449.38	Good

NOTES: MW-5D 3.99

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 6/2/21 0800 Inspector: EGF
Weather: Sunny 50°F

GENERAL INSPECTION - To Be Completed Monthly

Notes Problems

General Site Condition:

Gates - condition and locks for inner & outer gates: OK
Access Road - surface/paving/snow OK
Overall appearance (trash/litter) OK

Pump Station at Tannery Road: Condition: OK
Pump #1 Hours: 124699 Not operational Pump #2 Hours: 125225

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows OK
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity OK 1 & 4 not operable. 2 shut down due to leak in piping
Meter Pit - open lid, check heater, leaks, etc. OK
Panel note conditions and any alarms: OK
Totallizers (in meter pit)

RW-1 4538600 RW-3 6529600
RW-2 0629900 RW-4 —

Hour Meters

RW-1 196865 RW-3 108583
RW-2 476235 RW-4 284015

Landfill Cover Inspection

Leachate seeps Any new seeps NO If YES, describe:
Western seep condition: Not apparent
North seep condition: no change
Gas vents - general condition OK
- Unusual odors, list vents/describe.
Flares ignited NO OK
Perimeter fence OK
Erosion/animal burrows NO If YES, describe:

See 2020 PRP Report

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 6/2/21 Inspector: EGF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	5.98		
MW - 2S	459.44	8.09		
MW - 3S	456.4	4.37		
MW - 4S	456.19	4.36		
MW - 5S	457.15	5.49		
MW - 7S	452.25	9.21		
MW - 9S	456.38	4.35		
MW - 10	486.3	34.28		
MW - 11	502.4	51.34		
MW - 12	483.11	—		
PZ - 1	454.37	7.40		

NOTES:

7D 9.35
5D 5.63
2D 8.02
1D 6.60

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 9/16/21 0730 Inspector: EGF
Weather: Cloudy 60°F

GENERAL INSPECTION - To Be Completed Monthly

Notes Problems

General Site Condition:

Gates - condition and locks for inner & outer gates: OK
Access Road - surface/paving/snow OK
Overall appearance (trash/litter) OK

Pump Station at Tannery Road: Condition: OK
Pump #1 Hours: 124947 Pump #2 Hours: 126178

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows OK
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity OK 1&4 not operational
Meter Pit - open lid, check heater, leaks, etc. OK
Panel note conditions and any alarms: OK

Totallizers (in meter pit)

RW-1 ~~8~~45386 RW-3 66266
RW-2 06299 RW-4 ~~62~~

Hour Meters

RW-1 196865 RW-3 122909
RW-2 477926 RW-4 284015

Landfill Cover Inspection

Leachate seeps Any new seeps NO If YES, describe:
Western seep condition:
North seep condition:
Gas vents - general condition OK
- Unusual odors, list vents/describe.
Flares ignited OK
Perimeter fence OK
Erosion/animal burrows NO If YES, describe:

LW #2 off do to discharge line break

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 9/16/21 Inspector: EGF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	5.69		
MW - 2S	459.44	7.87		
MW - 3S	456.4	3.71		
MW - 4S	456.19	4.04		
MW - 5S	457.15	4.71		
MW - 7S	452.25	8.71		
MW - 9S	456.38	3.85		
MW - 10	486.3	34.22		
MW - 11	502.4	51.14		
MW - 12	483.11			
PZ - 1	454.37	6.91		

NOTES:

7D 8.91
1D 6.20
2D 7.65
5D 4.91

LWSPZ2 16.60 LWS 18.47
LWSPZ1 16.99 LWSPZ3 9.44

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 12-21-2021

Inspector: Brent Zimmer
Weather:

GENERAL INSPECTION - To Be Completed Monthly

General Site Condition: — Notes Problems

Gates - condition and locks for inner & outer gates: OK
Access Road - surface/paving/snow: OK
Overall appearance (trash/litter): OK

Pump Station at Tannery Road: Condition: OK
Pump #1 Hours: 12565.4 Pump #2 Hours: 12680.6

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows: OK
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity: OK Poor
Meter Pit - open lid, check heater, leaks, etc.: OK
Panel note conditions and any alarms: OK Call - 4,3,2 RUN 4,3

Totalizers (in meter pit)

RW-1 45386 RW-3 66267
RW-2 06299 RW-4 Removed

Hour Meters

RW-1 19686.5 RW-3 13067.1
RW-2 47792.6 RW-4 28491.5

Landfill Cover Inspection

Leachate seeps Any new seeps NO If YES, describe: Cap is eroded in Many locations
Western seep condition: Poor - Present
North seep condition: Poor - Present
Gas vents - general condition: OK
- Unusual odors, list vents/describe. No.
Flares ignited: OK None
Perimeter fence: OK
Erosion/animal burrows NO If YES, describe: ~~No~~ Yes - refer to the PRR. Cap is eroded in Many locations

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 12-21-2021 Inspector: Brent Zimmer

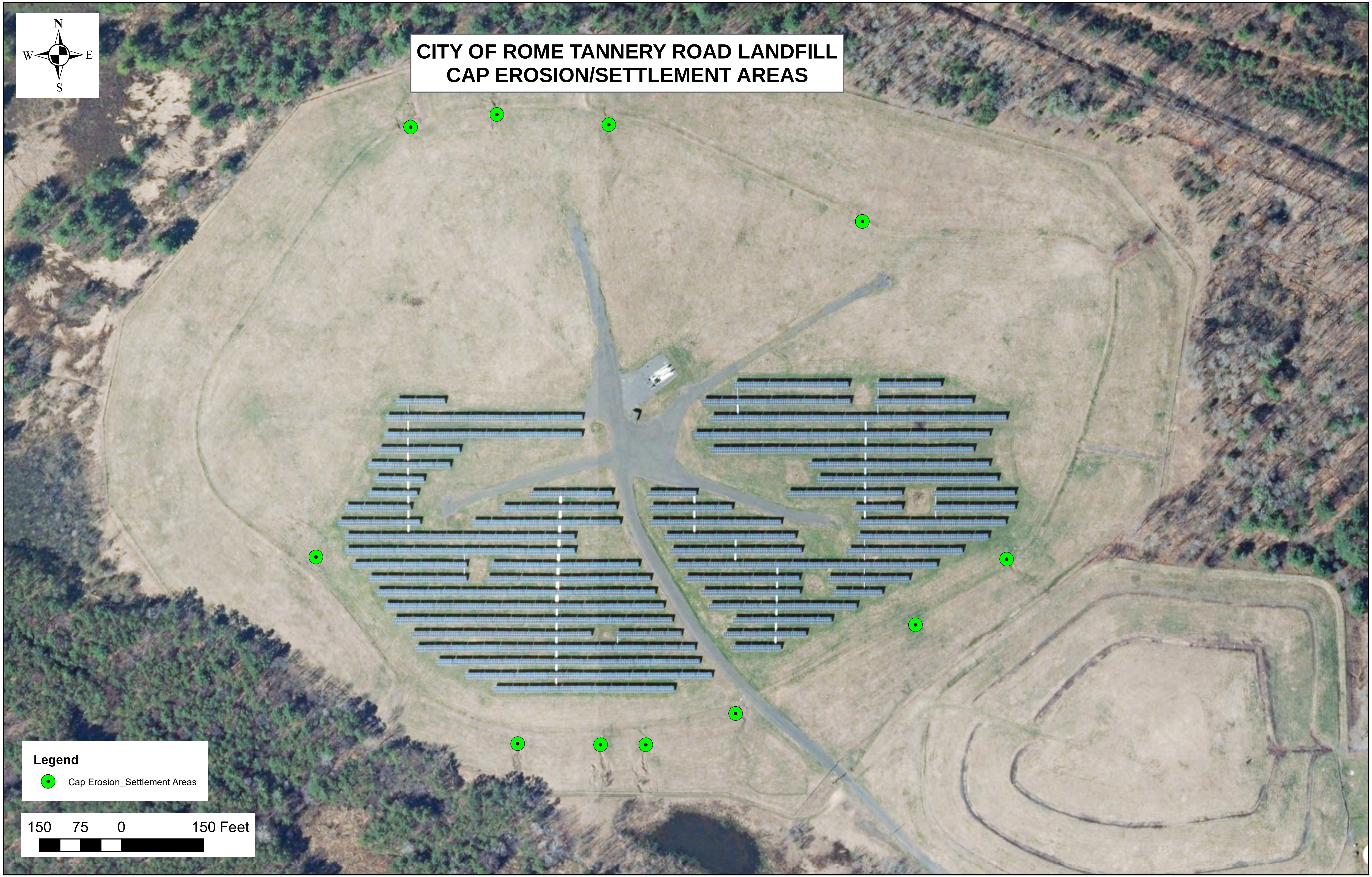
Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	4.74	444.85	GOOD
MW - 2S	459.44	6.21	453.23	↓
MW - 3S	456.4	3.43	452.97	↓
MW - 4S	456.19	3.78	452.41	↓
MW - 5S	457.15	4.34	452.81	↓
MW - 7S	452.25	7.62	444.63	↓
MW - 7D	451.79	7.68	444.11	↓
MW - 9S	456.38	3.64	452.74	↓
MW - 10	486.3	33.64	452.66	↓
MW - 11	502.4	50.60	451.80	↓
MW - 12	483.11	—		Obstruction
PZ - 1*	454.37	5.57	448.80	GOOD

NOTES: East Well 16.18
Center Well 16.57
West Well 18.09
SP-21-3 9.14

Appendix E

Erosion/Settlement Area Map


CITY OF ROME TANNERY ROAD LANDFILL
CAP EROSION/SETTLEMENT AREAS
N
S
E
W
Legend
Cap Erosion_Settlement Areas
150 75 0 150 Feet

Appendix F

Periodic Review Report Certification Forms

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **633012**

Site Name Rome Landfill

Site Address: Tannery Road Zip Code: 13440
City/Town: Rome
County: Oneida
Site Acreage: 44.000

Reporting Period: 12/30/2020 to 12/30/2021

	YES	NO
1. Is the information above correct? If NO, include handwritten above or on a separate sheet.	X	☐
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Closed Landfill	X	☐
7. Are all ICs/ECs in place and functioning as designed?	☐	X

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Butch Conover 1/4/22

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 633012 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
	City of Rome	
		Monitoring Plan
		O&M Plan

1991-12-27 issued Order on Consent
1995-03-03 Record of Decission
1999-10-19 OM&M plan approved

Deed restriction not in place as of 2013, and is required.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
	Groundwater Containment
	Cover System
	Leachate Collection
	Alternate Water Supply
	Fencing/Access Control

Part 360 cap, slurry wall,leachate collection system, fencing, monitoring wells.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES ☐ NO ☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES ☐ NO ☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

____ _________________

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 633012

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _______________________________ at ____,
print name print business address

am certifying as ____(Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

____ _________________
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class “A” misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _________________________________ at ____,
print name print business address

am certifying as a Professional Engineer for the ____________________________________
(Owner or Remedial Party)

____ _________________ __________
Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification | Stamp (Required for PE) | Date

Appendix G

Leachate Well Pilot Study Report

Sterling Environmental Engineering, P.C.

LEACHATE WELL PILOT STUDY REPORT

TANNERY ROAD LANDFILL
ROME, NEW YORK

Prepared For:

City of Rome
City Hall, 198 N. Washington Street
Rome, New York 13440

Prepared By:

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

November 12, 2021

"Serving our clients and the environment since 1993"

LEACHATE WELL PILOT STUDY REPORT

TANNERY ROAD LANDFILL
ROME, NEW YORK

Table of Contents

Page #

Tables

Figures

Appendices

1.0 INTRODUCTION

The Tannery Road Landfill is located on Tannery Road in the City of Rome, NY, approximately 0.9 miles south of NYS Route 69 (Figure 1). The landfill closure included installing a flexible membrane liner cap and a subsurface impermeable barrier wall surrounding the landfill consisting primarily of a slurry wall with an approximately 525-foot-long section of sheet pile wall keyed into an underlying low permeability lacustrine silt layer. The March 1995 New York State Department of Environmental Conservation (NYSDEC) Record of Decision (ROD) also required "pumping and treatment of approximately 4 million gallons of leachate per year with treatment at the Rome POTW".

Four (4) leachate recovery wells (RW-1, RW-2, RW-3, and RW-4) were originally installed within the central portion of the landfill. The recovery wells extended through the waste mass and into the underlying glaciolacustrine soils. The recovery wells were intended to achieve the pumping requirements outlined in the ROD but have not achieved removal of 4 million gallons per year from within the hydraulic barrier/cap system. The volume of leachate pumped dating back to 1998 is presented in Table 1. In 2006, recovery wells RW-1 and RW-4 were taken offline due to failure of the wells caused by differential settling of the landfill.

Table 1 - Leachate Volume Pump from Tannery Road Landfill Recovery Wells

YEAR	RW-1	RW-2	RW-3	RW-4	TOTAL
1998 (To 12/18/98)	998,300	1,403,300	366,300	328,900	3,096,800
1999 (12/18/98 to 12/20/99)	822,193	1,334,300	318,500	141,000	2,615,993
2000 (12/20/99 to 1/12/01)	724,800	1,351,300	223,200	0	2,299,300
2001 (1/12/01 to 1/16/02)	596,400	1,179,900	297,500	0	2,073,800
2002 (1/16/02 to 1/9/03)	515,900	1,025,600	414,400	299,300	2,255,200
2003 (1/9/03 to 1/29/04)	487,500	1,040,800	632,900	1,497,400	3,658,600
2004 (1/29/04 to 1/20/05)	428,200	1,016,100	384,100	1,004,500	2,832,900
2005 (1/20/05 to 1/17/06)	-28,000	522,300	381,400	622,600	1,526,300
2006 (1/17/06 to 1/19/07)	0	1,132,116	474,600	0	1,606,716
2007 (1/19/07 to 1/23/2008)	-1,200	1,634,700	488,000	0	2,122,700
2008 (1/23/2008 to 1/23/2009)	0	1,162,600	594,500	0	1,757,100
2009 (1/23/2009 to 1/21/2010)	0	1,776,800	522,700	0	2,299,500
2010 (1/21/2010 to 1/31/2011)	0	418,700	454,700	0	873,400
2011 (1/31/2011 to 12/22/2011)	0	2,162,500	356,500	0	2,519,000
2012 (12/22/2011 to 12/06/2012)	0	1,211,900	361,100	0	1,573,000
2013 (12/06/2012 to 12/19/2013)	0	654,700	331,800	0	986,500
2014 (12/19/2013 to 12/4/2014)	0	384,400	459,700	0	844,100
2015 (12/4/2014 to 12/9/2015)	0	786,300	696,600	0	1,482,900
2016 (12/9/2015 to 12/21/2016)	0	1,931,900	294,000	0	2,225,900
2017 (12/21/2016 to 12/27/2017)	0	653,000	196,000	0	849,000
2018 (12/27/2017 to 12/11/2018)	0	1,157,400	900	0	1,158,300
2019 (12/11/2018 to 12/11/2019)	0	1,105,399	31,700	0	1,137,099
TOTAL	**4,573,293**	**25,046,015**	**8,281,100**	**3,893,700**	**41,794,108**

The Leachate Well Pilot Test Study was implemented at the Tannery Road Landfill to determine the feasibility of additional recovery wells to continue removal of leachate and groundwater from within the hydraulic barrier/cap system and to establish a localized inward hydraulic gradient. Recovery well RW-5B and three (3) shallow piezometers were installed to evaluate hydrogeologic characteristics of the underlying sand, assess the feasibility of a groundwater/leachate removal system, and measure changes in the hydraulic gradient during testing.

2.0 GROUNDWATER RECOVERY SYSTEM PILOT TEST

2.1 Recovery Well Installation

Groundwater/Leachate recovery well RW-5 was installed beginning June 21, 2021. The soil boring for RW-5 and the piezometers was drilled using a track-mounted CME-850 drill rig. Hollow stem augers (HSAs) with 6¼-inch inside diameter (I.D.) were used to drill and install the recovery well(s) and 4 ¼-inch HSAs were used to drill/install the smaller diameter piezometers. The first 3.0 feet of each boring drilled through the landfill cover system (RW-5, RW-5A, RW-5B, SP-21-1 and SP-21-2) was hand dug to the landfill geomembrane liner. An 8-inch diameter section of the landfill liner was removed to allow advancement of the boring without damaging the landfill liner.

During the advancement of the borehole for RW-5, soil samples were collected on 5-foot centers from ground surface to a total depth of 30 feet bgs using a 2-inch outside diameter (O.D.) split spoon. The borehole was logged, and soil samples were collected for particle size analysis. A copy of the soil boring log is provided in Appendix A. Heaving sands were encountered below a depth of approximately 13.5 feet bgs. An auger plug and a constant head of water in the augers was necessary to complete collection of soil samples and subsequent installation of a well.

A well consisting of 6-inch I.D. schedule 40 polyvinyl chloride (PVC) well screen and riser pipe was installed in the completed borehole for RW-5 at a depth of 29.28 feet bgs. The well was constructed of 15 feet of continuous wrap, 0.010-inch (No. 10) slot screen and approximately 17 feet of solid riser pipe extending 3.0 feet above grade. A filter pack of Grade #0 Filpro sand was placed from the bottom of the borehole to approximately 1.8 feet above the top of the well screen. A 3-foot bentonite seal was placed above the sand pack and the remainder of the annulus was filled with cement-bentonite grout. A copy of the recovery well completion form for RW-5 is provided in Appendix B. Recovery well RW-5 was determined to be damaged during well development, as described in Section 2.3 and was decommissioned on July 27, 2021, by filling the borehole with grout to the depth of the landfill liner and the landfill liner was patched as described in Section 2.4 on August 24, 2021.

On July 19, 2021, recovery well RW-5A was augured to a depth of 35 feet bgs, approximately 8 feet north of RW-5. A 15-foot section of Schedule 40 PVC 6-inch I.D., continuous wrap, No. 10 (0.010-inch) slot PVC well screen and 20-foot section of Schedule 40 PVC 6-inch I.D. riser pipe were installed in the borehole. Heaving sands encountered in the saturated portion of the glaciofluvial formation prevented a proper sand pack from being installed around the well screen. The PVC well screen and riser broke approximately seven (7) feet bgs when attempting to extract and reinstall the well on July 20, 2021. The remaining portion of the well was left in the borehole and the well was decommissioned on July 27, 2021, by filling the borehole with grout to the depth of the landfill liner and the landfill liner was patched as described in Section 2.4 on August 24, 2021.

Recovery well RW-5B was installed 16 feet north of RW-5 on July 26, 2021. Recovery Well RW-5B was drilled to a depth of 34.7 feet bgs. Due to the close proximity to RW-5, soil samples were not collected from soil boring RW-5B. A 4-inch I.D. pre-packed No. 10-slot PVC well screen with 65 mesh stainless steel cover was used for construction of RW-5B due to difficulties installing wells at RW-5 and RW-5A.

Heaving sands were consistently encountered within the saturated portion of glaciolacustrine sand formation during drilling.

Recovery well RW-5B was installed using a 4-inch I.D. Schedule 40 No. 10 (0.010-inch) slot PVC pre-packed well screen and 4-inch I.D. Schedule 40 PVC riser pipe extending 2.1 feet above grade. An 8-inch diameter by 5-foot steel protective cover with locking hasp was installed around the PVC portion of the well and extending approximately 2.5 feet above the ground surface. The landfill liner was subsequently patched as described in Section 2.4.

2.2 Piezometer Installation

Three (3) 2-inch diameter piezometers were installed to assist in the determination of radius of influence (ROI) during pumping and provide data needed for measuring the hydraulic gradient across the hydraulic barrier wall from June 21 to 23, 2021. Piezometers SP-21-1 and SP-21-2 were installed within the hydraulic barrier wall, 28 feet and 77 feet to the east of RW-5B, respectively. Piezometer SP-21-3 was installed 57 feet south of RW-5B and outside of the hydraulic barrier wall (Figure 2).

The borings for SP-21-1, SP-21-2, and SP-21-3 were drilled to depths of 30.08 feet, 30.11 feet, and 24.45 feet, respectively, into the glaciolacustrine sand aquifer, which underlies the landfill waste mass. At each location, soil samples were collected at 5-foot intervals from ground surface to termination depth using two a 2-inch outside diameter (O.D.) split spoon. Each borehole was logged, and selected soil samples were collected for particle size analysis.

Upon completion of sampling, a 2-inch I.D. 10-foot-long section of No. 6 (0.006-inch) machine slotted PVC well screen and sufficient solid PVC riser pipe to reach above ground surface was installed in each borehole. The screened interval for SP-21-1 and SP-21-2 is approximately 20 to 30 feet bgs, while the screened interval for SP-21-3 was set at approximately 14.5 to 24.5 feet bgs (Appendix B). The landfill liner was patched as described in Section 2.4.

2.3 Well Development

The new piezometers and recovery well were developed after installation to remove sediment introduced or created during drilling and to improve the flow of formation water into the well. Development water was containerized and disposed directly into the leachate collection manhole along the southeastern perimeter of the landfill. Water quality parameters and visual observations for RW-5, RW-5B and three (3) piezometers were recorded on well development logs (provided as Appendix C) during well development.

An unusual amount of sand observed in water evacuated from RW-5 on June 24-25 and July 12, 2021 suggested damage to the well. Prior to development, approximately 1.3 feet of sand was measured in the bottom of well RW-5. Development of RW-5 was performed on June 24, 2021 for approximately one (1) hour by removing approximately 35 gallons of water with a mechanical Waterra Pump and a 3¾-inch bailer. Turbidity levels increased from approximately 36.5 to over 600 Nephelometric Turbidity Units (NTUs) during the well development. Water removed from the well was brown and contained silt and fine sand.

On June 25, 2021 approximately 220 gallons of water was pumped directly into the well in an unsuccessful effort to remove the excess sand from the well. Additional development to RW-5 was attempted on July 12, 2021 using an air lift pump and a 6-inch diameter surge block to intermittently agitate the well. Filter sand, fine gravel, and landfill debris was observed in the well following the initial surging period. The development process was concluded due to suspected damage to the well. The well was extracted on July 19, 2021 to examine the well for damage. Inspection of the well revealed that the bottom cap was broken, allowing sand to enter the well.

As described in Section 2.1, RW-5A could not be successfully installed due to heaving sand and subsequent well damage and was never developed. Development of RW-5B consisted of periods of surging with a 4-inch diameter rubber surge block followed by pumping of the well using a 5/8" diameter mechanically driven Waterra Pump. RW-5B was developed for approximately four (4) hours. Water from the development process was brown with fine silt and turbidity levels greater than 1,000 NTU remained throughout the entire process.

Development of the three (3) piezometers consisted of surging with a 1.75-inch bailer followed by pumping using a 5/8" diameter mechanically driven Waterra Pump for approximately one (1) hour each. Initial turbidity at all piezometers was greater than 1,000 NTU. Water from the development process was brown with fine silt and elevated NTU values were approximately 448, 223, and 151 at piezometers SP-21-1, SP-21-2, and SP-21-3, respectively, at the conclusion of development.

The results of the well development demonstrate that the fine-grained glaciolacustrine sediment will enter properly constructed wells, regardless of the screen size and proper development of the well.

2.4 Landfill Liner Penetration and Repairs

During the installation of the recovery wells and piezometers the landfill liner was penetrated in five (5) locations. These locations include RW-5, RW-5A, RW-5B and piezometers SP-21-1 and SP-21-2 (Figure 2).

The liner penetrations for RW-5 and RW-5A were filled with grout to the level of the landfill liner (i.e., 3 ft. bgs) prior to being repaired. The liner penetrations were then repaired using a flat section Landtec WBS Wellbore Seal material attached to the liner with butyl tape. The remaining section of boreholes were backfilled with two (2) feet of sand, followed by one (1) foot of topsoil to grade.

The penetrated liner at recovery well RW-5B was repaired by installing a 30-mil PVC Landtec WBS Wellbore Seal around the 8 (eight) inch steel protective casing and attaching the edges of the seal to the HDPE landfill liner using butyl tape. The penetrated liner at piezometers SP-21-1 and SP-21-2 were repaired using four (4) inch diameter Landtec WBS Wellbore repair seals installed around each of the four (4) inch steel protective casings and sealed with butyl tape.

2.5 Waste Management

All drill cuttings, plastic sheeting, and personal protective equipment (PPE) were containerized in 55-gallon DOT steel drums and labeled with the contents and date the drums were filled. Drums were temporarily stored in the central portion of the landfill near the onsite supply shed pending proper disposal at a later date. Groundwater evacuated during well development was containerized in DOT 55-gallon drums and disposed in the leachate collection system manhole along the southeastern perimeter of the landfill. Groundwater derived from the pump test was pumped directly into the manhole during pumping operations.

3.0 PILOT TEST RESULTS

3.1 Particle Size Analysis

Three samples of the water-bearing glaciolacustrine sand were selected for particle size analysis and submitted to Atlantic Testing Laboratories in Clifton Park, NY for ASTM D422 Standard Test Method for Particle-Size Analysis with Hydrometer. Samples submitted for analysis were collected from the RW-5 boring at depths of 25-27 feet, SP-21-1 at 20-22 feet, and SP-21-2 at 25-27 feet. Results from the particle size analysis is provided in Appendix D.

3.2 Falling Head Test

Initial development of RW-5 on June 26, 2021 suggested the glaciolacustrine sand may not yield sufficient water to perform the pilot study pumping test. Three (3) consecutive falling head tests that were not part of the pilot study scope of work were performed on July 12, 2021 at piezometer SP-21-1 to evaluate the hydraulic conductivity of the glaciolacustrine sand underlying the landfill.

A vented Level Troll 700 pressure transducer, logging in 15 second intervals, was installed in SP-21-1 and SP-21-2 prior to tests being performed. The static water level measured in SP-21-1 was used to calculate the volume of water needed to perform the test. A 2.74-gallon slug of water was added to SP-21-1 and allowed to dissipate into the glaciolacustrine formation. Once the water level in SP-21-1 had returned to the static water level, the test was repeated for a total of three (3) tests.

The information obtained during the three (3) consecutive falling head tests was analyzed both manually and with the AQTESOLV Standard v4.x computer software program. Values for hydraulic conductivity were calculated using both the Bouwer-Rice and Hvorslev methods for slug test analysis. Results of the falling head tests are presented in Appendix E and in Section 3.5.

3.3 Static Water Level Monitoring

Static water levels were monitored for approximately 19 hours in recovery well RW-5B and the three (3) piezometers prior to initiating a groundwater pumping test on recovery well RW-5B. Water levels were recorded using a vented Level Troll 700 pressure transducer installed in the recovery well and piezometers. The transducer installed in RW-5B was set to record pressure data in 15 second intervals while the transducers used in the piezometers measured in one (1) minute intervals. Data collected during the background monitoring is presented in Appendix F with hydrographs prepared from the data.

3.4 Recovery Well Pumping Test

The recovery well was equipped with a variable flow 120-volt Grundfos submersible pump to control flow rate and a digital flow meter in the discharge line. The meter recorded instantaneous flow (in gallons per minute (gpm)). The flow meter was used to regulate discharge/flow rate.

A constant rate well pumping test in recovery well RW-5B was attempted on August 3, 2021. The purpose of the pumping test at RW-5B was to evaluate aquifer parameters and estimate the hydraulic conductivity, transmissivity, radius of influence, and specific yield of the glaciolacustrine sand formation. The water level in the recovery well was monitored during pumping to measure the drawdown. The pressure transducers used during the background monitoring period remained in each well and were utilized at one-minute intervals. The pressure transducer in RW-5B was set in a temporary one (1) inch diameter PVC pipe placed within the recovery well with the pump. Data produced during the monitoring of the recovery well and piezometers with hydrographs is presented in Appendix G.

A static water level of 18.54 feet below the top of PVC well measuring point (measuring point) was recorded just prior to the start of the pumping test. The bottom of the pump was set at 30-feet below the measuring point and 4.7 feet above the bottom of the well. The pressure transducer was set at 28-feet below the measuring point. The initial pumping was set a rate of 0.71 gpm during startup. The flow rate was measured using the inline digital flow meter. The water level in RW-5B decreased approximately 0.25 feet every 15 seconds when pumping was initiated. The flow rate was reduced to a constant rate of 0.38 gpm. Within ten (10) minutes of pumping, the water level in RW-5B was 25.90 feet below the measuring point.

The pumping test was terminated after 33 minutes when the drawdown reached the level of the pressure transducer.

3.5 Hydrogeologic Analysis

The results from the particle size analysis (Appendix D) indicate the glaciolacustrine sand formation consists of fine to very fine sands. This is consistent with the results of the falling head test calculations. Calculated hydraulic conductivity values from these tests ranged from 0.91 $x10^{-4}$ cm/sec to 2.30 $x10^{-4}$ cm/sec which is within or below the range of fine sand (2 $x10^{-7}$ to 2 $x10^{-4}$ cm/sec). The hydraulic conductivities calculated using the Bouwer-Rice and Hvorslev methods are displayed in Table 2.

Table 2 - Hydraulic Conductivity Values from Falling Head Tests

Test Number	AQTESOLV (cm/sec) (Bouwer-Rice)	AQTESOLV (cm/sec) (Hvorslev)	Manual Calculation (cm/sec) (Hvorslev)
1	1.27 $x10^{-4}$	1.61 $x10^{-4}$	2.30 $x10^{-4}$
2	1.08 $x10^{-4}$	1.37 $x10^{-4}$	2.20 $x10^{-4}$
3	0.91 $x10^{-4}$	1.12 $x10^{-4}$	1.97 $x10^{-4}$
Average	**1.09 $x10^{-4}$**	**1.37 $x10^{-4}$**	**2.10 $x10^{-4}$**

During the constant rate pumping test, RW-5B was unable to sustain a constant pumping rate of 0.4 gpm. Over a 37-minute period, the water level in the well decreased approximately 7.5 feet before the pumping test was concluded. The results of the pumping test and falling head tests demonstrate the hydraulic conductivity and transmissivity of the glaciolacustrine sand unit is relatively low.

4.0 CAMP MONITORING

Real time air monitoring for volatile organics, explosive gases and particulates was conducted pursuant to the NYSDOH Generic Community Air Monitoring Plan/Appendix 1B Fugitive Dust and Particulate Monitoring (CAMP) during drilling activities below the landfill geomembrane liner on June 21-24, 2021, and July 26, 2021. CAMP monitoring locations were placed to the northwest (downwind) and southeast (downwind) of the active drilling locations. No exceedances of fugitive dust, volatile organics, or explosive gasses were observed during drilling activities. CAMP monitoring logs recorded during the implementation of the CAMP are available in Appendix H.

5.0 SUMMARY AND RECOMMENDATIONS

Heaving sands were consistently encountered within the saturated portion of glaciolacustrine sand formation during drilling and well installation. Methods to mitigate sand infiltration into the well screen, including applying a constant head of water and the use of well plugs were mostly unsuccessful. This resulted in significant difficulty installing larger diameter recovery wells. Efforts to develop both the recovery wells and piezometers consistently resulted in poor water flow into the well screens and constant high turbidity levels due to fine-grained glaciolacustrine sediment moving into the wells.

Data from the falling head tests at piezometer SP-21-1 demonstrate that the glaciolacustrine formation underling the Tannery Road Landfill possesses a relatively low hydraulic conductivity and with an average ranging from 1.09 x 10^{-4} to 2.10 x 10^{-4} cm/sec.

RW-5B was constructed with a 4-inch diameter prepacked well screen to provide a well that would produce the maximum yield of water for the formation. Nonetheless, water evacuated during well development remained turbid and the subsequent attempt to perform a pumping test was unsuccessful due to the low well yield. The water level in RW-5B decreased by 7.5 feet over 35 minutes at a low pumping rate of 0.4 gpm indicating the glaciolacustrine sand would yield considerably less than 0.4 gpm to a vertical recovery well.

This pilot study documented significant difficulties and limitations for installing and operating vertical recovery wells for removal of groundwater. It is Sterling Environmental Engineering, P.C.'s (STERLING) opinion that the same difficulties and limitations would be expected for a horizontal directionally drilled (HDD) recovery well at the Tannery Road Landfill. Difficulties placing a sand pack around the well screen would likely result in sand infiltration in the horizontal well and very low flow rates through the well screen. Accumulation of sand in a HDD recovery well likely would clog the pumps and piping limiting the ability to effectively pump and capture groundwater and leachate.

Based on the presence of heaving glaciolacustrine fine sand at the Tannery Road Landfill, the results of the hydrologic testing performed during this pilot study, it is STERLING's opinion that neither vertical nor horizontal recovery wells around the perimeter of the Tannery Road Landfill are technically feasible as a groundwater/leachate recovery system. Experience with existing recovery wells RW-1, RW-2, RW-3, and RW-4 indicates that installing recovery wells through the waste mass also is not feasible due to differential settlement leading to well shearing and failure.

The data indicate that neither additional vertical nor new horizontal recovery wells can be used to efficiently pump leachate and groundwater from within the hydraulic barrier/cap system to establish a localized inward hydraulic gradient. Installation of additional vertical or new horizontal recovery wells is not recommended considering they would not achieve the goal of creating a localized inward hydraulic gradient at the landfill hydraulic barrier. The City of Rome proposes to maintain the original groundwater/leachate recovery system, consisting of the four groundwater/leachate recovery wells.

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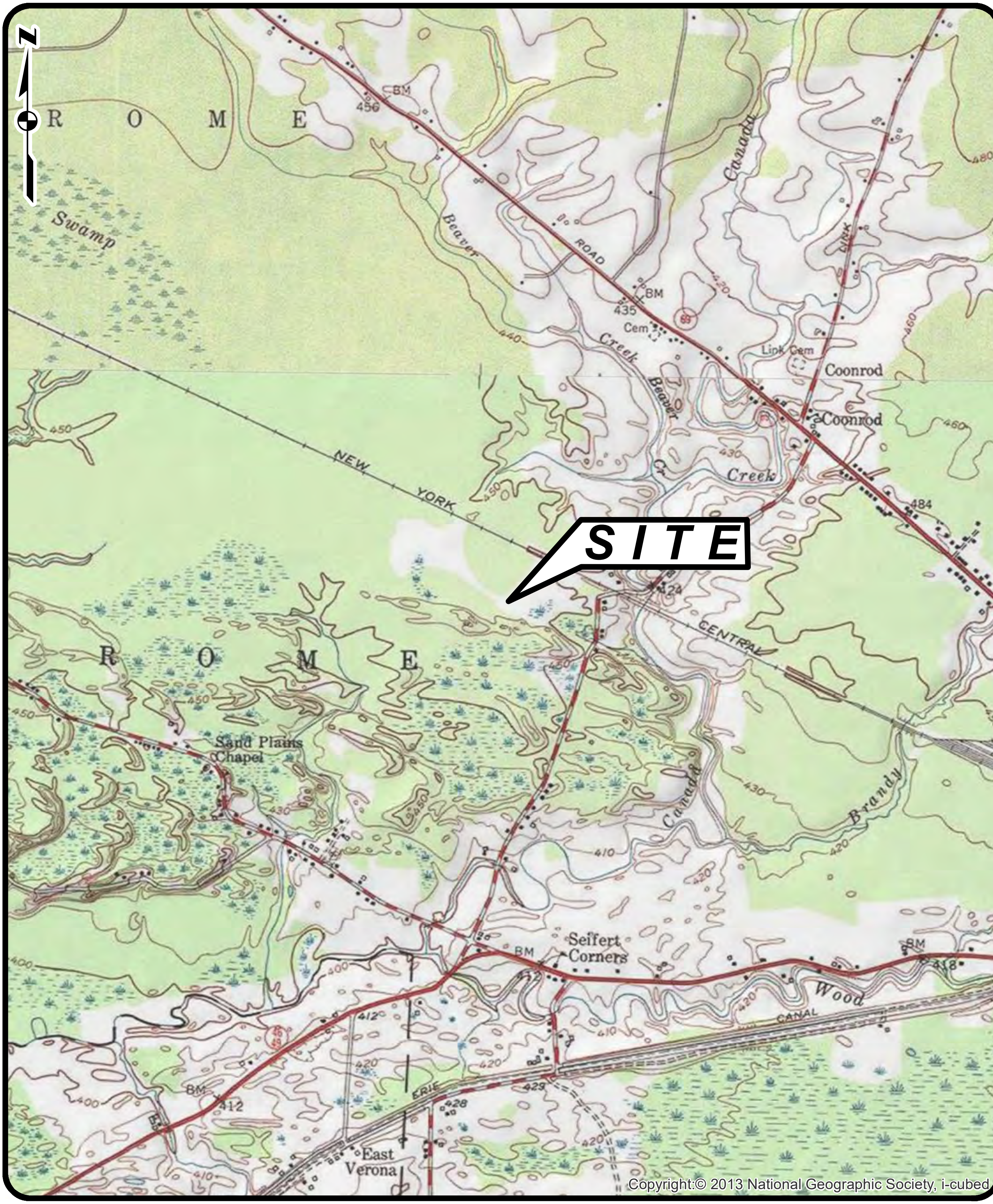
FIGURES



S:\Sterling\Projects\2020 Projects\Rome Landfill - 2020-28\Drawings-Maps-Figures\GIS\2020-28001G- FIG 1 SITE LOC MAP.mxd\

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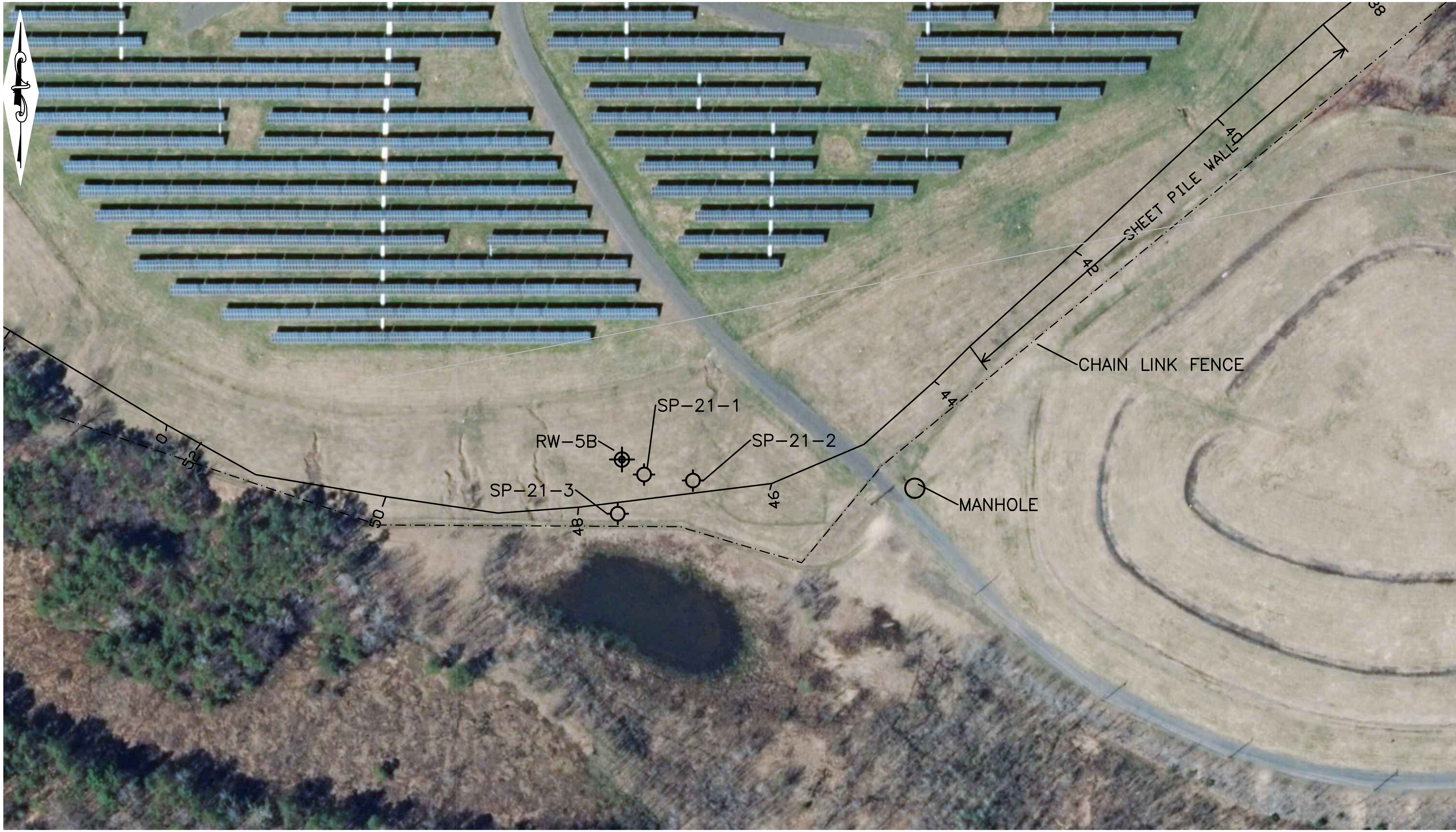
24 Wade Road • Latham, New York 12110

SITE LOCATION MAP
ROME LANDFILL
TANNERY ROAD

CITY OF ROME

ONEIDA CO., NY

PROJ.NO. 2020-28	DATE: 8/10/2021	SCALE: 1" = 2,000'	DWG.NO. 2020-28001G	FIGURE 1



S:\Sterling\Projects\2020 Projects\Rome Landfill – 2020-28\Drawings-Maps-Figures\ACAD\2021-28003 FIG 2 Well Location Map.dwg CAD 9/23/2021 2:18 PM

LEGEND:

- *HYDRAULIC BARRIER WALL*
- *RECOVERY WELL*
- *PIEZOMETER*
- *CHAIN LINK FENCE*

0 25 50 100

1" = 100'

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Sterling Environmental Engineering, P.C.
24 Wade Road • Latham, New York 12110

WELL LOCATION MAP
CITY OF ROME
TANNERY ROAD LANDFILL

CITY OF ROME   ONEIDA COUNTY, NY

PROJ. No.: 2020-28	DATE: 8/24/2021	SCALE: 1" = 100'	DWG. NO. 2020-28003	FIGURE 2

APPENDIX A

SOIL BORING LOGS

STERLING
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Boring ID: RW-5

Project Name/No.	Rome LF 2020-28	Location:	Rome, NY
Drilling Contractor/Personnel:	LaBella/Aztech	Inspector:	PWS
Drilling Equipment:	Geoprobe 3230DT	Size/Type of Bit:	8" Auger
Sampling Method:	Split Spoon	Start/Finish Date:	6-21-2021
Elevation/Ground Surface:	466.3' amsl.	Well Type:	GW Recovery Well
Depth to Groundwater (date):	NA		

Depth (ft.)	Sample No.	Recovery (ft.)	PID (Bkgd/Reading)	Geologic Description	Comments:
0.0					
0.0–1.0				Br $ and f S, little C, little O; med stiff moist. (ML-SW) 1.0	
1.0–3.2				Br m S, little $; med dense; moist. (SW) [FILL] 3.2'	
3.2–11.7				Br m(+) f S, little O; trace $; loose; moist. (SP)	Geomembrane Landfill Liner at 3.2' bgs.
5.0–7.0	1	1.1	NA		0-6, 6-12, 12-18, 18-24 7; 6; 8; 6
10.0–12.0	2	0.9	NA	11.7'	0,6 6/12 12-18 18-24 7, 7, 5, 3
11.7–13.5				Blk m(+) c S some $, little m f(+) G, angular; loose, moist. (SP) [FILL] 13.5	Contains landfill debris. Formation Change ~13.5' bgs Rubber tire encountered at 14.0' bgs. Extracted with auger.
13.5–20.0				Brn mf(+) S little $; loose; wet. (SP) [GLACIOFLUVIAL]	
15.0–17.0	3	1.4	NA		0-6 6-12 12-18 18-24 8 5 5 6
20.0					

Proportions: Trace = 0 - 10% Little = 10 - 20% Some = 20 - 35% And = 35 - 50%

STERLING
Sterling Environmental Engineering, P.C.

Boring ID: RW-5

Project Name/No.	Rome LF 2020-28	Location:	Rome, NY
Drilling Contractor/Personnel:	LaBella/Aztech	Inspector:	PWS
Drilling Equipment:	Geoprobe 3230DT	Size/Type of Bit:	8 1/4 Auger
Sampling Method:	Split Spoon	Start/Finish Date:	6-21-2021
Elevation/Ground Surface:	466.3' amsl	Well Type:	Recovery Well
Depth to Groundwater (date):	NA		

Depth (ft.)	Sample No.	Recovery (ft.)	PID (Bkgd/Reading)	Geologic Description	Comments:
20.0					
21.0	4	1.5'	NA	Br mf(+) S trace $; loose; wet (SP)	0-6 6-12 12-18 18-24 5 2 2 4
22.0					
23.0					Heaving Sands at 25' BGS.
24.0					
25.0					
26.0	5	1.3'	NA		0-6 6-12 12-18 18-24 5 13 10 10
27.0					
28.0					
29.0					
30.0				(GLACIOFLUVIAL) 30.0 END OF BORING	
11.0					
12.0					
13.0					
14.0					
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

Proportions: Trace = 0 - 10% Little = 10 - 20% Some = 20 - 35% And = 35 - 50%

STERLING
Sterling Environmental Engineering, P.C.

Boring ID: SP-21-1

Project Name/No.	Rome LF 2020-28	Location:	Rome, NY
Drilling Contractor/Personnel:	LaBella/Aztech	Inspector:	PWS
Drilling Equipment:	Geoprobe 3230 DT	Size/Type of Bit:	4¼" Auger
Sampling Method:	Split Spoon	Start/Finish Date:	6-22-2021
Elevation/Ground Surface:	466.2' amsl	Well Type:	Piezometer
Depth to Groundwater (date):	14.41' bgs 8-2-2021		

Depth (ft.)	Sample No.	Recovery (ft.)	PID (Bkgd/Reading)	Geologic Description	Comments:
0.0					
1.0				Brn $ and f S, little C, little O; med stiff moist. (ML-SP) 1.0'	
2.0				Brn m S, little $; med dense; moist (SW)	
3.0				[FILL] 3.0'	Geomembrane Landfill Liner at 3.0' bgs
4.0				Br m(+)f S; trace $; loose; moist. (SP)	
5.0					0-6 6-12 12-18 18-24
6.0	1	1.5	NA		3 3 3 5
7.0					
8.0					
9.0				9.6'	
10.0				Blk m(+)c S, some $, little mf(+) G; angular; loose; moist. (SP)	0-6 6-12 12-18 18-24
11.0	2	0.8	NA		11 9 5 4
12.0					
13.0					
14.0					
15.0				[FILL] 16.0'	0-6 6-12 12-18 18-24
16.0	3	1.7	NA		9 8 6 5
17.0				Brn mf(+) S, trace $; loose; moist. (SP)	
18.0					
19.0					
20.0				[GLACIOFLUVIAL]	

Proportions: Trace = 0 - 10% Little = 10 - 20% Some = 20 - 35% And = 35 - 50%

STERLING
Sterling Environmental Engineering, P.C.

Boring ID: SP-21-1

Project Name/No.	Rome LF 2020-28	Location:	Rome, NY
Drilling Contractor/Personnel:	LaBella/Aztech	Inspector:	PWS
Drilling Equipment:	Geoprobe 3230DT	Size/Type of Bit:	4 1/4 Auger
Sampling Method:	Split Spoon	Start/Finish Date:	6-22-2021
Elevation/Ground Surface:	466.2' amsl.	Well Type:	Piezometer
Depth to Groundwater (date):	14.14' bgs 8-2-2021		

Depth (ft.)	Sample No.	Recovery (ft.)	PID (Bkgd/Reading)	Geologic Description	Comments:
0.0					
21.0	4	1.6	NA	Brn mf(+) S, trace $; trace C; loose, wet. (SP)	0-6 6-12 12-18 18-24 wch wor 2 4
22.0					
23.0					
24.0					
25.0					0-6 6-12 12-18 18-24 wor 6 12 17
26.0	5	1.4	NA		Heaving Sand 28.-30' bgs
27.0					
28.0					
29.0					
30.0				[GLACIOFLUVIAL] 30.0' END OF BORING	
11.0					
12.0					
13.0					
14.0					
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

Proportions: Trace = 0 - 10% Little = 10 - 20% Some = 20 - 35% And = 35 - 50%

STERLING
Sterling Environmental Engineering, P.C.

Page 1 of 2

Boring ID: SP-21-2

Project Name/No.	Rome LF 2020-28	Location:	Rome, NY
Drilling Contractor/Personnel:	LaBella/Aztech	Inspector:	PWS
Drilling Equipment:	Geoprobe 3230DT	Size/Type of Bit:	4 1/4" Auger
Sampling Method:	Split Spoon	Start/Finish Date:	6-23-21
Elevation/Ground Surface:	465.8' amsl	Well Type:	Piezometer
Depth to Groundwater (date):	13.97' bgs 8-2-2021		

Depth (ft.)	Sample No.	Recovery (ft.)	PID (Bkgd/Reading)	Geologic Description	Comments:
0.0–1.0				Brn $ and fS, little C, little O; med stiff; moist (ML-SP) 1.0'	
1.0–3.2				Brn mS, little $; med. dense; moist (SW) [FILL] 3.2'	Landfill Liner at 3.2' bgs.
3.2–6.6				Brn m(+)f S, trace $; loose; moist. (SP) 6.6'	
5.0–7.0	1	1.2	NA		0-6 6-12 12-18 18-24 5 4 3 20
6.6–18.5				Br-Blk m(+)c S; some $, little mf(+) G; angular; loose; moist. (SP) 18.5'	Contains Landfill debris.
10.0–12.0	2	0.5	NA		0-6 6-24 5 1/3
15.0–17.0	3	0.0	NA		0-6 6-12 12-18 18-24 9 7 6 5 -No Recovery in Split Spoon.
18.5–20.0				Br mf(+) S, trace $; loose; wet.	18.5' bgs approximate formation change.

Proportions: Trace = 0 - 10% Little = 10 - 20% Some = 20 - 35% And = 35 - 50%

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Sterling Environmental Engineering, P.C.

Boring ID: SP-21-2

Project Name/No.	Rome LF 2020-28	Location:	Rome, NY
Drilling Contractor/Personnel:	LaBella/Aztech	Inspector:	PWS
Drilling Equipment:	Geoprobe 3230 DT	Size/Type of Bit:	4 1/4" auger
Sampling Method:	Split Spoon	Start/Finish Date:	6-23-2021
Elevation/Ground Surface:	465.8' amsl	Well Type:	Piezometer
Depth to Groundwater (date):	13.97' bgs 8-2-2021		

Depth (ft.)	Sample No.	Recovery (ft.)	PID (Bkgd/Reading)	Geologic Description	Comments:
20.0					
21.0	4	0.7	NA	Brn mf(+) S, trace $; loose; wet. (SP)	0-6 6-12 12-18 18-24 7 4 7 8
22.0					
23.0					
24.0					
25.0					0-6 6-12 12-18 18-24 9 10 7 16
26.0	5	1.7	NA		
27.0					
28.0					
29.0					
30.0				[GLACIOFLUVIAL] 30.0' END OF BORING	
11.0					
12.0					
13.0					
14.0					
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

Proportions: Trace = 0 - 10% Little = 10 - 20% Some = 20 - 35% And = 35 - 50%

STERLING
Sterling Environmental Engineering, P.C.

Boring ID: SP-21-3

Project Name/No.	Rome LF 2020-28	Location:	Rome LF
Drilling Contractor/Personnel:	LaBella/Aztech	Inspector:	PWS
Drilling Equipment:	Geoprobe 3230 DT	Size/Type of Bit:	4 1/4 auger
Sampling Method:	Split Spoon	Start/Finish Date:	6-23-2021
Elevation/Ground Surface:	459.4' amsl.	Well Type:	Piezometer
Depth to Groundwater (date):	7.91' bgs 8-2-2021		

Depth (ft.)	Sample No.	Recovery (ft.)	PID (Bkgd/Reading)	Geologic Description	Comments:
0.0					
0.0–1.0				Brn $ and f S, little C, little O; med dense; stiff; moist. (ML-SP) 1.0'	
1.0–8.0				Brn-Drk Brn m(+)f S, trace $; loose; moist (SP)	
6.0–7.0	1	1.5	NA		0-6: 4; 6-12: 6; 12-18: 7; 18-24: 12
8.0				[FILL] 8.0'	← Approximate Formation change at 8.0' bgs
8.0–20.0				Brn mf(+)S, trace $; loose; wet. (SP)	
11.0–12.0	2	1.7	NA		0-6: 3; 6-12: 2; 12-18: 2; 18-24: 5
16.0–17.0	3	2.0	NA		0-6: WOR; 6-12: 3; 12-18: 2; 18-24: 3
20.0					

Proportions: Trace = 0 - 10% Little = 10 - 20% Some = 20 - 35% And = 35 - 50%

STERLING
Sterling Environmental Engineering, P.C.

Boring ID: SP-21-3

Project Name/No.	Rome LF 2020-28	Location:	Rome, NY
Drilling Contractor/Personnel:	Aztech/Labella	Inspector:	PWS
Drilling Equipment:	Geoprobe 3230DT	Size/Type of Bit:	4 1/4 Auger
Sampling Method:	Split Spoon	Start/Finish Date:	6-23-2021
Elevation/Ground Surface:	459.4' amsl	Well Type:	Piezometer
Depth to Groundwater (date):	7.91' bgs 8-2-2021		

Depth (ft.)	Sample No.	Recovery (ft.)	PID (Bkgd/Reading)	Geologic Description	Comments:
0.0					
1.0	4	1.7	NA	Brn mf(+) S, trace $; loose, wet. (SP)	0-6: 3; 6-12: 3; 12-18: 3; 18-24: 12
2.0					
3.0					
4.0					
5.0				[GLACIOFLUVIAL] 25.0'	
				END OF BORING	
6.0					
7.0					
8.0					
9.0					
10.0					
11.0					
12.0					
13.0					
14.0					
15.0					
16.0					
17.0					
18.0					
19.0					
20.0					

Proportions: Trace = 0 - 10% Little = 10 - 20% Some = 20 - 35% And = 35 - 50%

APPENDIX B

RECOVERY WELL AND MONITORING WELL COMPLETION FORMS

Sterling Environmental Engineering, P.C.

MONITORING WELL CONSTRUCTION LOG

Well No.: RW-5
Installation Date: 6/22/2021
Inspector: Paul Scholar
Project Name: Rome Landfill
Project Number: 2020-21
Drilling Contractor: Aztech/LaBella

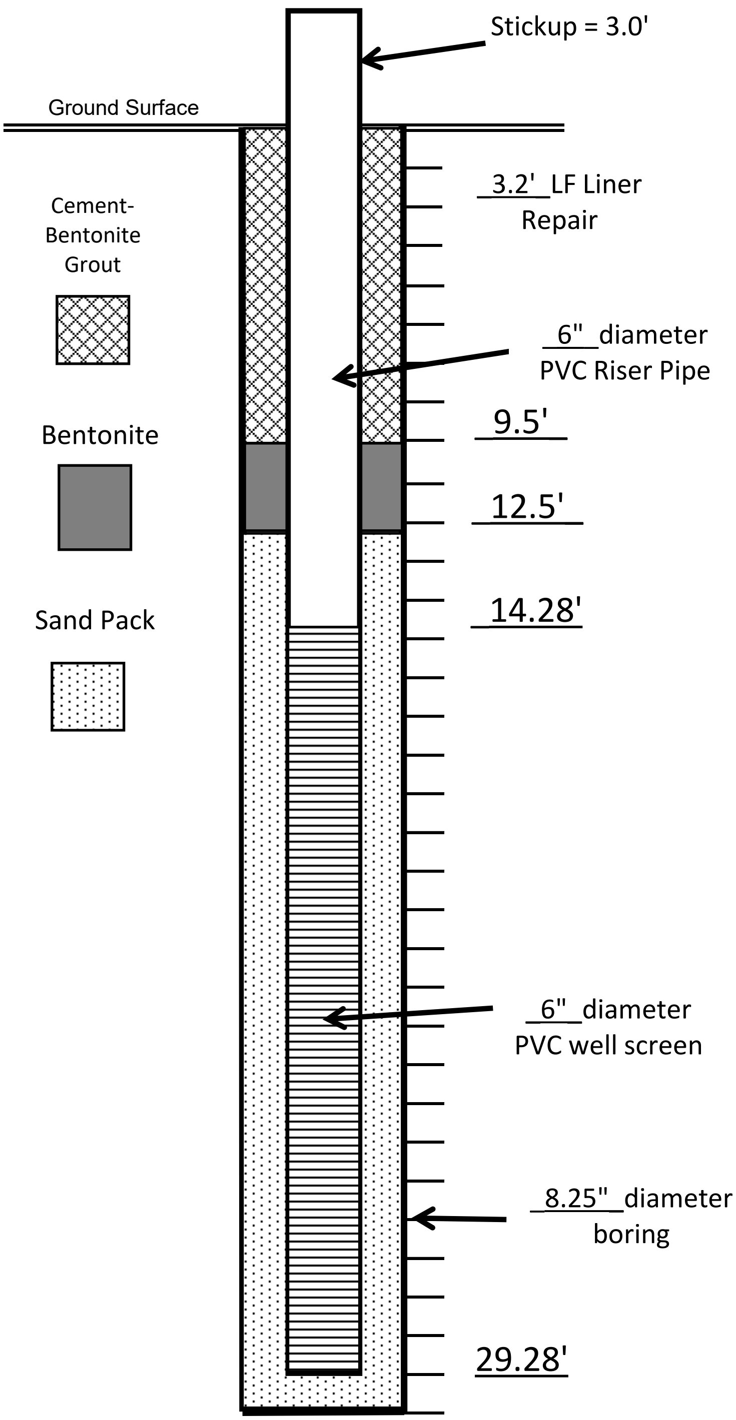


Illustration Not to Scale

GENERAL NOTES:

Type of Well: GW Recovery Well
Static Water Level: 20.95'
Measuring Point: Top of PVC
Date: 7/12/2021
Total Well Depth: 29.28'

RISER PIPE:

Material: Sch. 40 — Length:
Joint Type: Threaded — Diameter:

SCREEN:

Material: Sch. 40 — Length: 15'
Slot Size: 0.010 — Diameter: 6"
Stratigraphic Unit: Glaciolacustrine Sands

PACKING:

Sand: #0
Amount: 1,000 lbs — Interval: 12.5' -29.28'

SEAL:

Type: Bentonite — Interval: 9.5'-12.5'

PROTECTIVE COVER:

Yes ☐ No ☒
Diameter:

Notes: #00 Sand utilized from 12.5' -13.0' interval. Well damaged prior to completion. Well was removed and filled with grout on 7/27/2021.

STERLING

Sterling Environmental Engineering, P.C.

MONITORING WELL CONSTRUCTION LOG

Well No.: RW-5B

Installation Date: 7/26/2021

Inspector: Paul Scholar

Project Name: Rome Landfill

Project Number: 2020-21

Drilling Contractor: Aztech/LaBella

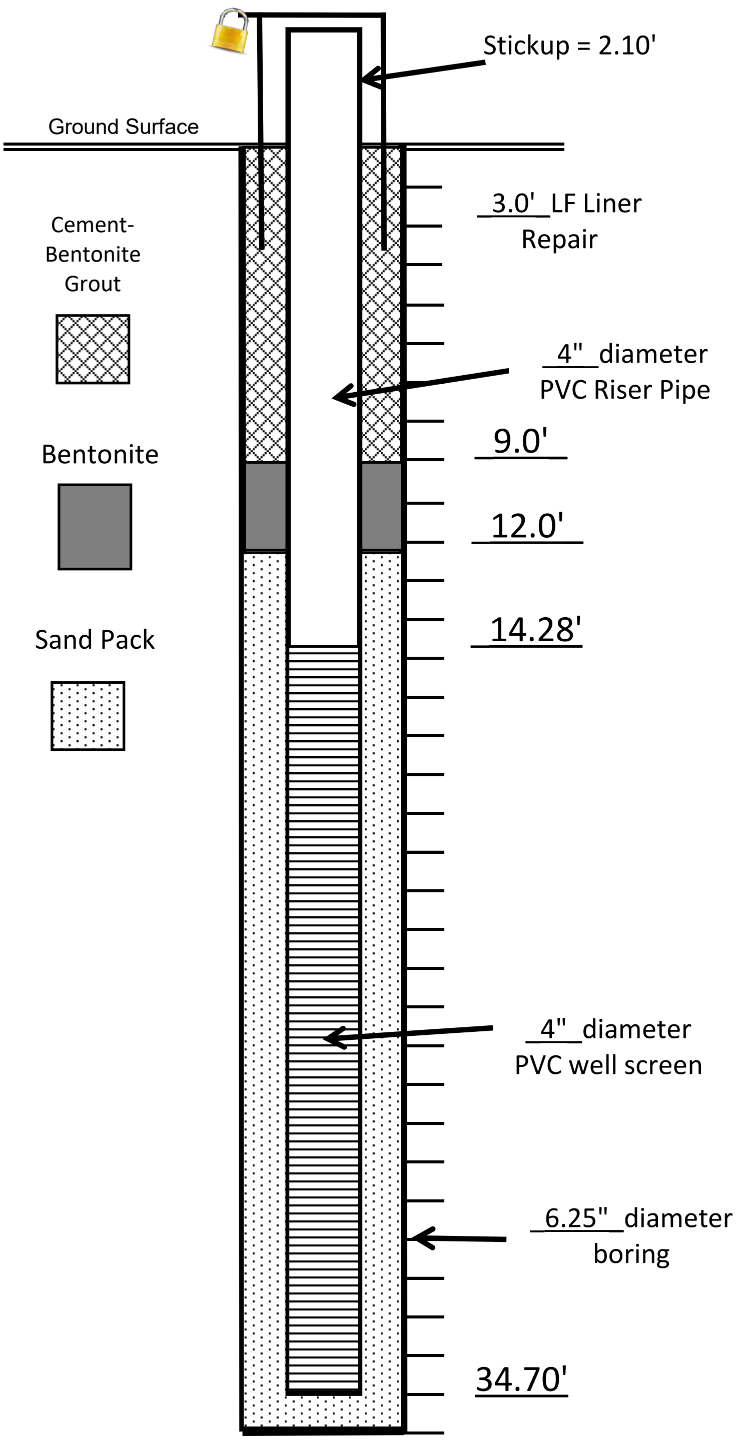


Illustration Not to Scale

GENERAL NOTES:

Type of Well	GW Recovery Well
Static Water Level	19.02'
Measuring Point	Top of PVC
Date	8/2/2021
Total Well Depth	34.70'

RISER PIPE:

Material	Sch. 40	Length	19.7'
Joint Type	Threaded	Diameter	4"

SCREEN:

Material	Sch. 40 Pre-Packed	Length	15'
Slot Size	0.010	Diameter	4"
Stratigraphic Unit	Glaciolacustrine Sands		

PACKING:

Sand	#0/#00		
Amount	400 lbs	Interval	12.0' -34.7'

SEAL:

Type	Bentonite	Interval	12.0'-9.0'

PROTECTIVE COVER:

Yes [X] No [ ]

Diameter 8"

Notes: 4" Prepacked Screen Utilized. Additional sand installed between prepack and bore hole. #00 Sand 12.0' - 12.5' interval.

STERLING

Sterling Environmental Engineering, P.C.

MONITORING WELL CONSTRUCTION LOG

Well No.:	SP-21-1
Installation Date:	6/23/2021
Inspector:	Paul Scholar
Project Name:	Rome Landfill
Project Number:	2020-21
Drilling Contractor:	Aztech/LaBella

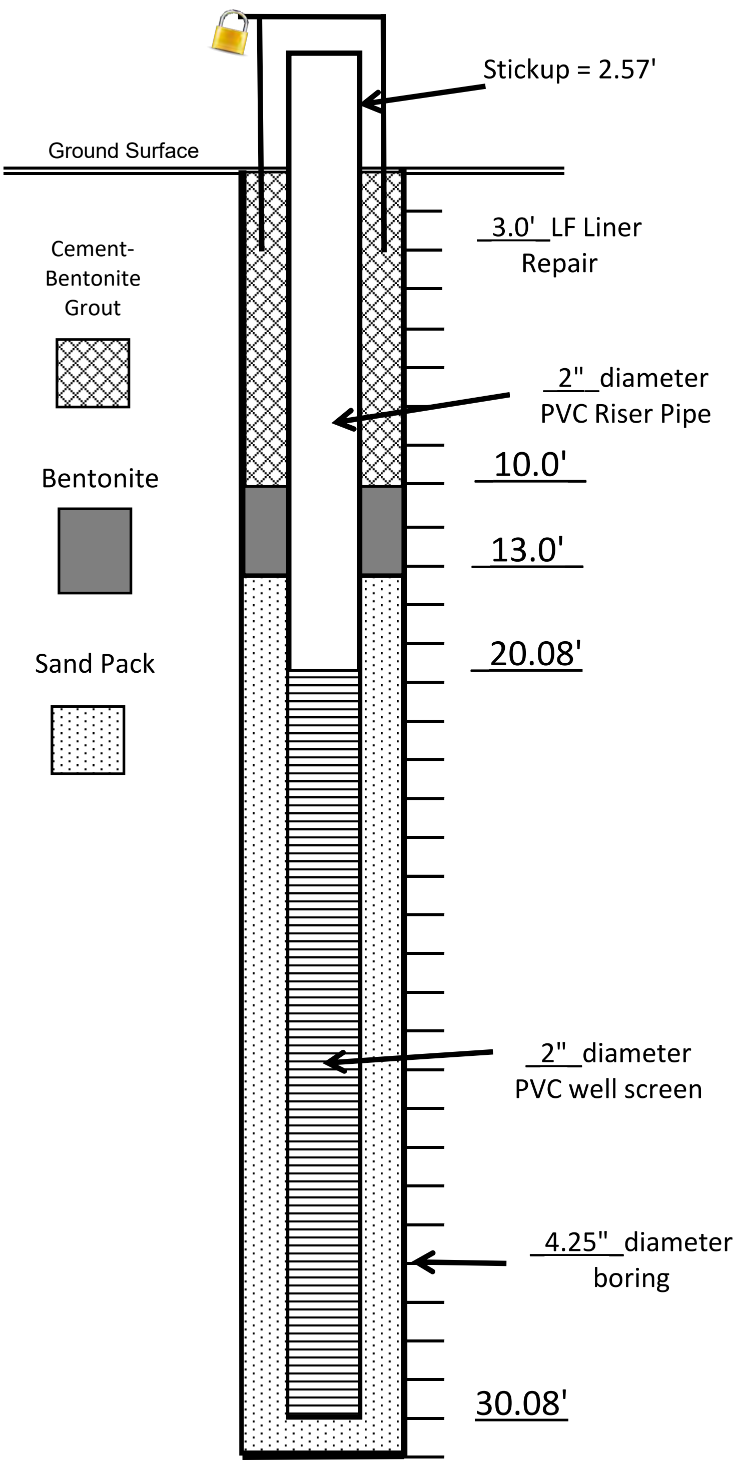


Illustration Not to Scale

GENERAL NOTES:

Type of Well	Shallow Piezometer
Static Water Level	16.98'
Measuring Point	Top of PVC
Date	8/2/2021
Total Well Depth	32.65'

RISER PIPE:

Material	Sch. 40	Length	22.65'
Joint Type	Threaded	Diameter	2"

SCREEN:

Material	Sch. 40	Length	10'
Slot Size	0.006	Diameter	2"
Stratigraphic Unit	Glaciolacustrine Sands		

PACKING:

Sand	#00		
Amount	550 lbs	Interval	13.0' -30.08'

SEAL:

Type	Bentonite	Interval	13.0'-10.0'

PROTECTIVE COVER:

Yes [X] No [ ]

Diameter 4"

Notes: NA

Sterling Environmental Engineering, P.C.

MONITORING WELL CONSTRUCTION LOG

Well No.:	SP-21-2
Installation Date:	6/23/2021
Inspector:	Paul Scholar
Project Name:	Rome Landfill
Project Number:	2020-21
Drilling Contractor:	Aztech/LaBella

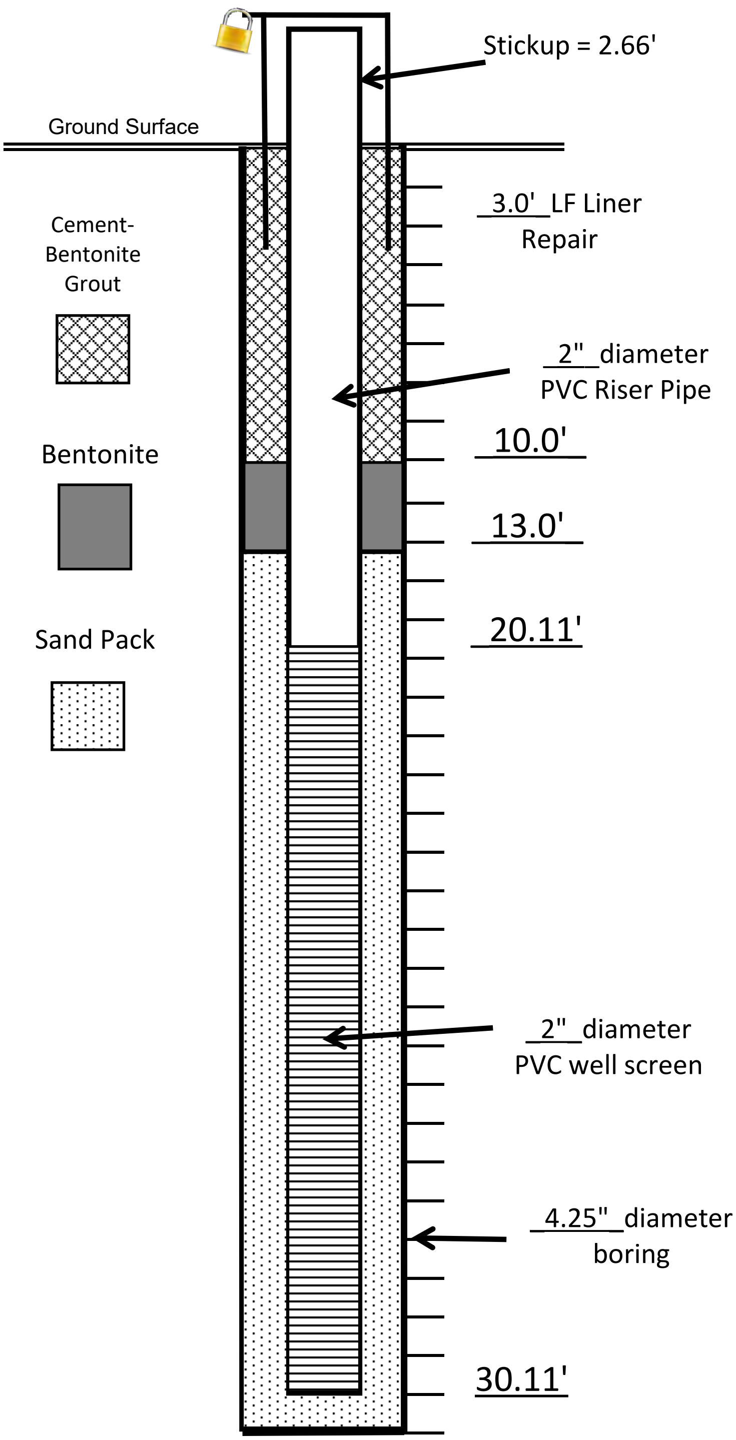


Illustration Not to Scale

GENERAL NOTES:

Type of Well	Shallow Piezometer
Static Water Level	16.63'
Measuring Point	Top of PVC
Date	8/2/2021
Total Well Depth	32.77'

RISER PIPE:

Material	Sch. 40	Length	22.77'
Joint Type	Threaded	Diameter	2"

SCREEN:

Material	Sch. 40	Length	10'
Slot Size	0.006	Diameter	2"
Stratigraphic Unit	Glaciolacustrine Sands		

PACKING:

Sand	#00		
Amount	500 lbs	Interval	13.0' -30.11'

SEAL:

Type	Bentonite	Interval	13.0'-10.0'

PROTECTIVE COVER:

Yes [X] No [ ]

Diameter 4"

Notes: NA

Sterling Environmental Engineering, P.C.

MONITORING WELL CONSTRUCTION LOG

Well No.:	SP-21-3
Installation Date:	6/24/2021
Inspector:	Paul Scholar
Project Name:	Rome Landfill
Project Number:	2020-21
Drilling Contractor:	Aztech/LaBella

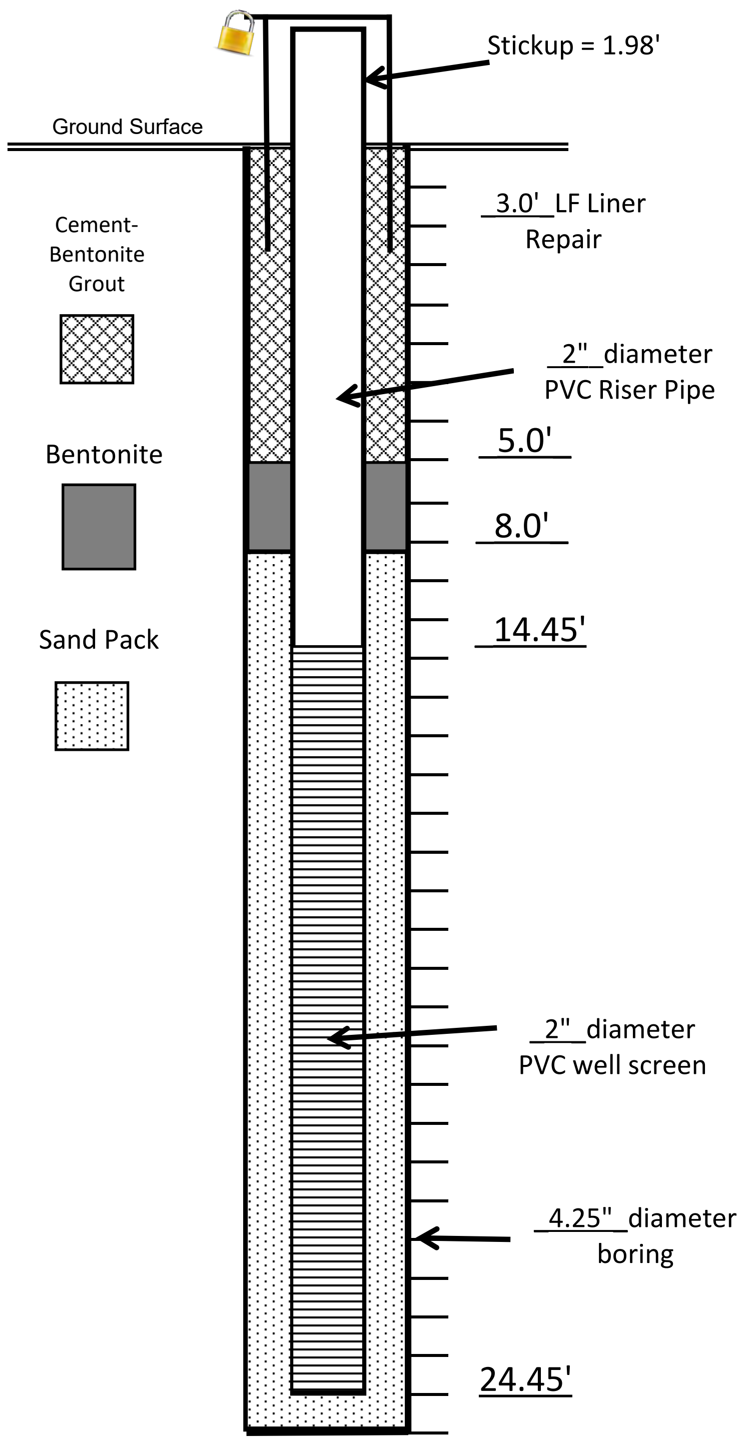


Illustration Not to Scale

GENERAL NOTES:

Type of Well	Shallow Piezometer
Static Water Level	9.89'
Measuring Point	Top of PVC
Date	8/2/2021
Total Well Depth	26.43'

RISER PIPE:

Material	Sch. 40	Length	16.43'
Joint Type	Threaded	Diameter	2"

SCREEN:

Material	Sch. 40	Length	10'
Slot Size	0.006	Diameter	2"
Stratigraphic Unit	Glaciolacustrine Sands		

PACKING:

Sand	#00		
Amount	350 lbs	Interval	8.0' -24.45'

SEAL:

Type	Bentonite	Interval	5.0'-8.0'

PROTECTIVE COVER:

Yes [X] No [ ]

Diameter 4"

Notes: NA

APPENDIX C

WELL DEVELOPMENT LOGS

WELL DEVELOPMENT FORM

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Well No. RW-5

Project Name: Rome LF
Project No. 2020-28
Date: 6-25-2021
Field Personnel: PWS
Measuring Device: YSI Pro DSS
Reference Point/Elev.: Top of PVC

Well Vol. #	Depth to Water (feet BMP)	Time	Volume Removed (gal.)	Spec. Cond.	Temp.	pH	Turbidity	ORP
0	10.65	956	0.0	0.133	21.0	7.95	36.54	161.6
1/6	13.70	1006	5.0	0.040	20.7	7.71	62.14	259.2
1/3	16.39	1016	5.0	0.133	20.2	7.66	89.39	261.5
1/2	18.94	1029	5.0	0.134	19.7	7.67	142.02	252.7
2/3	19.69	1042	5.0	0.137	19.2	7.67	259.62	245.2
5/6	22.11	1053	5.0	0.141	19.7	7.74	404.92	237.6
1	23.27	1109	5.0	0.148	18.6	7.88	613.31	229.8

REMARKS:
220 gallons of water pumped into well to remove sand in bottom. prior to development. 3/8" tube mechanical Waterra pump

WELL DEVELOPMENT FORM

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Well No. SP-21-1

Project Name: Rome LF
Project No. 2020-28
Date: 6-25-2021
Field Personnel: PWS
Measuring Device: Top PVC YSI Pro DSS
Reference Point/Elev.: Top of PVC

Well Vol. #	Depth to Water (feet BMP)	Time	Volume Removed (gal.)	Spec. Cond.	Temp.	pH	Turbidity	ORP
0	19.68	1124	0.0	0.664	13.9	6.97	1,667.33	152.6
2	21.91	1136	4.5	0.812	13.0	6.72	1,573.48	-31.5
4	22.79	1148	4.5	0.923	13.3	6.71	1,255.09	-40.7
6	22.92	1159	4.5	0.981	13.0	6.71	771.50	-43.5
8	23.30	1210	4.5	1.090	12.7	6.65	659.78	-63.4
10	23.46	1222	4.5	1.156	12.7	6.54	529.05	-53.7
12	23.51	1238	4.5	0.027	14.3	6.64	447.98.	-78.5

REMARKS: 3/8" mechanical waterra pump

WELL DEVELOPMENT FORM

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Well No. SP-21-2

Project Name Rome LF
Project No. 2020-28
Date: 6-25-2021
Field Personnel: PWS
Measuring Device: YSI Pro DSS
Reference Point/Elev.: Top of PVC

Well Vol. #	Depth to Water (feet BMP)	Time	Volume Removed (gal.)	Spec. Cond.	Temp.	pH	Turbidity	ORP
0.0	16.52	1258	0.0	0.469	13.5	7.34	1011.96	-62.7
2.5	19.98	13.10	5.5	0.503	12.7	7.20	1,611.44	-35.2
5.5	20.41	13.24	6.5	0.696	13.7	7.06	1,191.56	-10.5
8.5	20.95	1336	6.5	0.978	12.3	6.83	549.83	-63.4
11	21.03	1358	6.0	1,329	12.2	6.70	263.99	-50.5
13	21.21	1405	5.0	1.617	12.3	6.77	223.18	-71.5

REMARKS: 3/8" Mechanical Waterra Pump

WELL DEVELOPMENT FORM

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Well No. SP-21-3

Project Name: Rome LF
Project No.: 2020-28
Date: 6-25-2021
Field Personnel: PWS
Measuring Device: YSI Pro DSS
Reference Point/Elev.: Top of PVC

Well Vol. #	Depth to Water (feet BMP)	Time	Volume Removed (gal.)	Spec. Cond.	Temp.	pH	Turbidity	ORP
0.0	9.74	1420	0.0	0.273	14.8	7.71	3,718.63	38.7
2	10.88	1438	5.0	0.161	12.7	7.52	726.93	63.9
4	11.07	1450	5.0	0.343	12.6	7.48	334.59	73.9
6	11.11	1500	5.0	0.202	12.1	7.26	236.80	-7.6
8	11.14	1509	5.0	0.395	12.3	7.15	160.23	-18.0
10	11.21	1518	5.0	0.427	11.8	7.06	151.36	-2.9

REMARKS: 3/4" Mechanical Waterra Pump

WELL DEVELOPMENT FORM

Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Well No. RW-5B

Project Name: Rome Landfill
Project No. 2020-28
Date: 7-26-2021
Field Personnel: PWS
Measuring Device: 100' Solinst Water Level Meter
Reference Point/Elev.: Top of PVC

Well Vol. #	Depth to Water (feet BMP)	Time	Volume Removed (gal.)	Spec. Cond.	Temp.	pH	Turbidity	ORP
NA	17.26	1443	0 Surge	NA	NA	NA	>1000	NA
	23.82	1449	6				>1000	
	32.18	1453	6				>1000	
	36.55	1505	3.5				>1,000	
	25.41	1553	Surge/Recharge				>1,000	
	22.58	1610	3				>1,000	
	28.54	1657	6				>1,000	
	26.49	1700	Surge				>1,000	
	32.70	1705	8				>1,000	
	26.50	1733	Surge/Recharge				>1,000	
	26.01	1800	Slow Pump				>1,000	
	28.13	1810	1.5				>1000	
	28.89	1815	1				>1000	
	30.65	1829	4				>1000	

REMARKS: 3/8 mechinical waterra and 4" bailer used for purging. Well surged with 4" rubber surge block, manually.

APPENDIX D

PARTICLE SIZE ANALYSIS REPORTS

Particle Size Analysis Report

Report #: SL08A-000003

Albany
22 Corporate Drive
Clifton Park, NY 12065
Phone: 518.383.9144

Client:
Sterling Environmental Eng.
24 Wade Road
Latham, NY 12110

Project:
AT3410
Laboratory Services Agreement
Clifton Park, NY 12065

Sampling Information

Sample Number:	18804	**Sampled By:**	Client
Sampling Method:	Not Provided	**Sample Date:**	08/24/2021
Sample From:	Boring	**Material Type:**	Sand

Color/Material Description: Brown sand, RW-5, 25-27 feet

Location Details: Rome Landfill

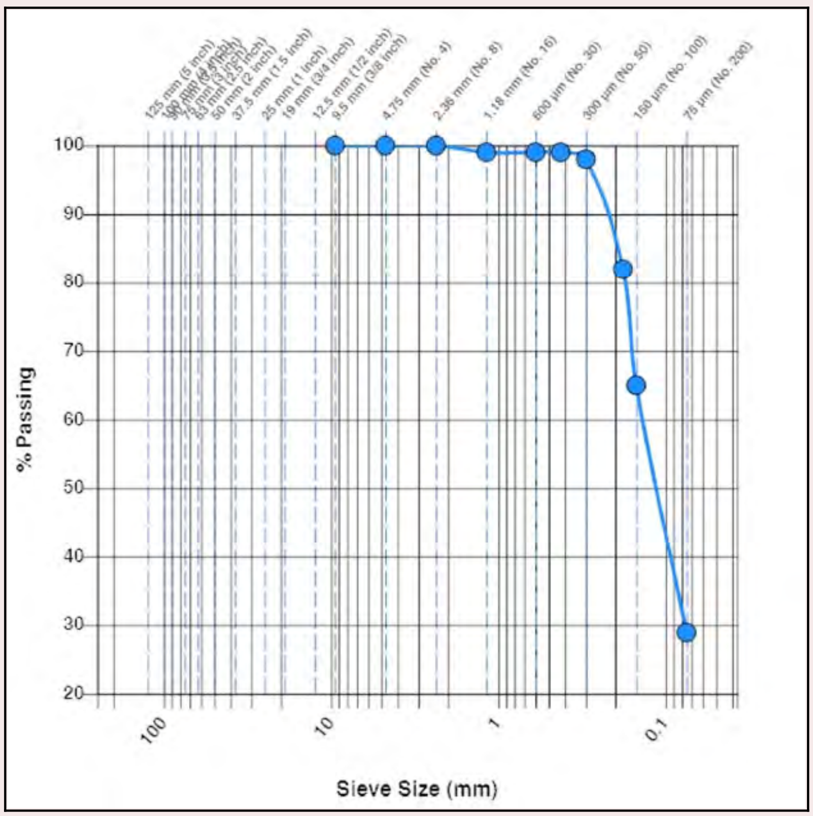
Test Results

Test Completed By:	Field, Robert	**Test Completed Date:**	08/30/2021

Sieve Analysis Data

Sieve Size	Percent Passing	Spec. Range	Spec. Result
9.5 mm (3/8 inch)	100	---	---
4.75 mm (No. 4)	100	---	---
2.36 mm (No. 8)	100	---	---
1.18 mm (No. 16)	99	---	---
600 µm (No. 30)	99	---	---
425 µm (No. 40)	99	---	---
300 µm (No. 50)	98	---	---
180 µm (No. 80)	82	---	---
150 µm (No. 100)	65	---	---
75 µm (No. 200)	28.9	---	---

Test Specification: ASTM D422 without Hydrometer



Robert Field 08/30/2021

Particle Size Analysis Report

Report #: SL08A-000001

Albany
22 Corporate Drive
Clifton Park, NY 12065
Phone: 518.383.9144

Client:

Sterling Environmental Eng.
24 Wade Road
Latham, NY 12110

Project:

AT3410
Laboratory Services Agreement
Clifton Park, NY 12065

Sampling Information

Sample Number:	18801	**Sampled By:**	Client
Sampling Method:	Not Provided	**Sample Date:**	08/24/2021
Sample From:	Boring	**Material Type:**	Sand

Color/Material Description: Brown fine sand, SP-21-1, 20-22 feet

Location Details: Rome Landfill

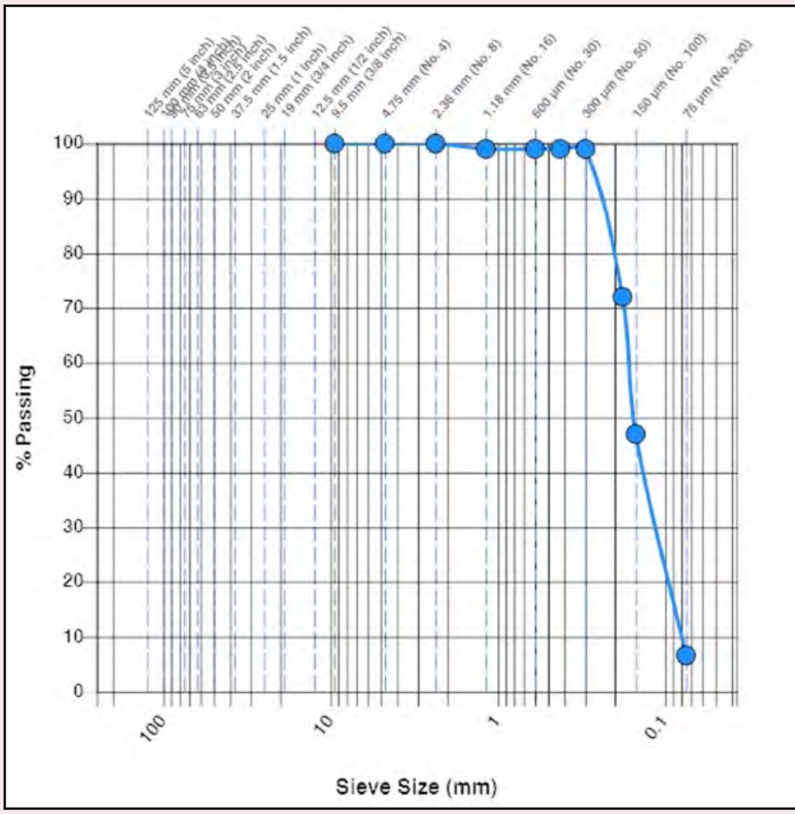
Test Results

Test Completed By:	Field, Robert	**Test Completed Date:**	08/30/2021

Sieve Analysis Data

Sieve Size	Percent Passing	Spec. Range	Spec. Result
9.5 mm (3/8 inch)	100	---	---
4.75 mm (No. 4)	100	---	---
2.36 mm (No. 8)	100	---	---
1.18 mm (No. 16)	99	---	---
600 µm (No. 30)	99	---	---
425 µm (No. 40)	99	---	---
300 µm (No. 50)	99	---	---
180 µm (No. 80)	72	---	---
150 µm (No. 100)	47	---	---
75 µm (No. 200)	6.6	---	---

Test Specification: ASTM D422 without Hydrometer



Robert Field 08/30/2021

Albany
22 Corporate Drive
Clifton Park, NY 12065
Phone: 518.383.9144

Particle Size Analysis Report

Report #: SL08A-000002

Client:	**Project:**
Sterling Environmental Eng. 24 Wade Road Latham, NY 12110	AT3410 Laboratory Services Agreement Clifton Park, NY 12065

Sampling Information

Sample Number:	18802	**Sampled By:**	Client
Sampling Method:	Not Provided	**Sample Date:**	08/24/2021
Sample From:	Boring	**Material Type:**	Sand

Color/Material Description: Brown sand, SP-21-2, 25-27 feet

Location Details: Rome Landfill

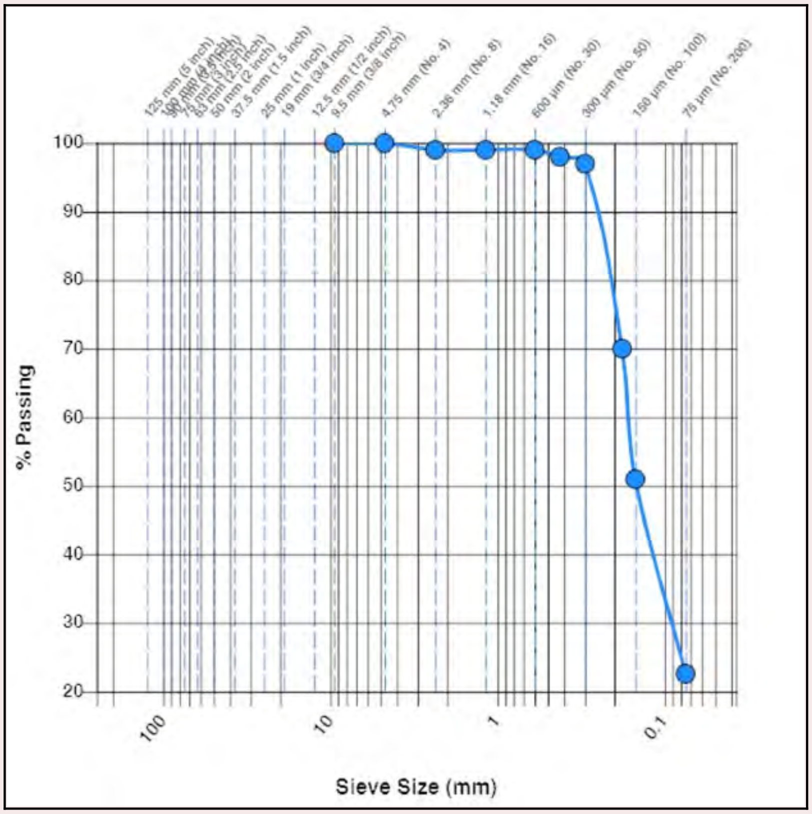
Test Results

Test Completed By:	Field, Robert	**Test Completed Date:**	08/30/2021

Sieve Analysis Data

Sieve Size	Percent Passing	Spec. Range	Spec. Result
9.5 mm (3/8 inch)	100	---	---
4.75 mm (No. 4)	100	---	---
2.36 mm (No. 8)	99	---	---
1.18 mm (No. 16)	99	---	---
600 µm (No. 30)	99	---	---
425 µm (No. 40)	98	---	---
300 µm (No. 50)	97	---	---
180 µm (No. 80)	70	---	---
150 µm (No. 100)	51	---	---
75 µm (No. 200)	22.6	---	---

Test Specification: ASTM D422 without Hydrometer



Robert Field 08/30/2021

APPENDIX E

FALLING HEAD TEST DATA AND ANALYSIS

FALLING HEAD TEST ANALYSIS
AQTESOLV SOFTWARE CALCULATIONS

Data Set: C:\Users\CAD\Desktop\Rome.aqt
Date: 08/18/21
Time: 16:20:50

PROJECT INFORMATION

Company: Sterling
Client: Rome LF
Project: 2020-28
Location: Rome
Test Date: 7/12/21
Test Well: SP-21-1

AQUIFER DATA

Saturated Thickness: 544.1 cm
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: New Well

X Location: 0. cm
Y Location: 0. cm

Initial Displacement: 476.2 cm
Static Water Column Height: 522.7 cm
Casing Radius: 2.54 cm
Well Radius: 10.59 cm
Well Skin Radius: 10.59 cm
Screen Length: 304.8 cm
Total Well Penetration Depth: 944.9 cm

No. of Observations: 85

Observation Data

Time (sec)	Displacement (cm)	Time (sec)	Displacement (cm)
0.	476.2	645.	43.98
15.	445.7	660.	41.88
30.	418.2	675.	39.68
45.	392.9	690.	37.7
60.	369.8	705.	35.81
75.	348.	720.	33.99
90.	327.9	735.	32.22
105.	309.	750.	30.42
120.	291.4	765.	28.96
135.	275.3	780.	27.55
150.	259.6	795.	26.09
165.	245.5	810.	24.84
180.	231.7	825.	23.5
195.	219.2	840.	22.28
210.	207.1	855.	21.21
225.	195.9	870.	20.09
240.	185.1	885.	18.96

Time (sec)	Displacement (cm)	Time (sec)	Displacement (cm)
255.	175.2	900.	18.17
270.	165.7	915.	17.13
285.	156.8	930.	16.25
300.	148.4	945.	15.45
315.	140.6	960.	14.54
330.	133.3	975.	13.72
345.	126.2	990.	12.98
360.	119.5	1005.	12.22
375.	113.3	1020.	11.67
390.	107.4	1035.	10.82
405.	101.7	1050.	10.39
420.	96.68	1065.	9.662
435.	91.62	1080.	9.022
450.	86.72	1095.	8.748
465.	82.33	1110.	8.108
480.	78.06	1125.	7.864
495.	73.94	1140.	7.376
510.	70.41	1155.	6.858
525.	66.66	1170.	6.858
540.	63.12	1185.	6.431
555.	60.02	1200.	6.126
570.	57.	1215.	5.761
585.	54.07	1230.	5.334
600.	51.42	1245.	5.182
615.	48.74	1260.	4.877
630.	46.3		

SOLUTION

Slug Test
Aquifer Model: Confined
Solution Method: Bouwer-Rice
ln(Re/rw): 3.205

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	0.0001083	cm/sec
y0	443.	cm

T = K*b = 0.05891 cm^2/sec

Data Set: C:\Users\CAD\Desktop\Rome.aqt
Date: 08/18/21
Time: 16:20:50

PROJECT INFORMATION

Company: Sterling
Client: Rome LF
Project: 2020-28
Location: Rome
Test Date: 7/12/21
Test Well: SP-21-1

AQUIFER DATA

Saturated Thickness: 544.1 cm
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: New Well

X Location: 0. cm
Y Location: 0. cm

Initial Displacement: 476.2 cm
Static Water Column Height: 522.7 cm
Casing Radius: 2.54 cm
Well Radius: 10.59 cm
Well Skin Radius: 10.59 cm
Screen Length: 304.8 cm
Total Well Penetration Depth: 944.9 cm

No. of Observations: 85

Observation Data

Time (sec)	Displacement (cm)	Time (sec)	Displacement (cm)
0.	476.2	645.	43.98
15.	445.7	660.	41.88
30.	418.2	675.	39.68
45.	392.9	690.	37.7
60.	369.8	705.	35.81
75.	348.	720.	33.99
90.	327.9	735.	32.22
105.	309.	750.	30.42
120.	291.4	765.	28.96
135.	275.3	780.	27.55
150.	259.6	795.	26.09
165.	245.5	810.	24.84
180.	231.7	825.	23.5
195.	219.2	840.	22.28
210.	207.1	855.	21.21
225.	195.9	870.	20.09
240.	185.1	885.	18.96

Time (sec)	Displacement (cm)	Time (sec)	Displacement (cm)
255.	175.2	900.	18.17
270.	165.7	915.	17.13
285.	156.8	930.	16.25
300.	148.4	945.	15.45
315.	140.6	960.	14.54
330.	133.3	975.	13.72
345.	126.2	990.	12.98
360.	119.5	1005.	12.22
375.	113.3	1020.	11.67
390.	107.4	1035.	10.82
405.	101.7	1050.	10.39
420.	96.68	1065.	9.662
435.	91.62	1080.	9.022
450.	86.72	1095.	8.748
465.	82.33	1110.	8.108
480.	78.06	1125.	7.864
495.	73.94	1140.	7.376
510.	70.41	1155.	6.858
525.	66.66	1170.	6.858
540.	63.12	1185.	6.431
555.	60.02	1200.	6.126
570.	57.	1215.	5.761
585.	54.07	1230.	5.334
600.	51.42	1245.	5.182
615.	48.74	1260.	4.877
630.	46.3		

SOLUTION

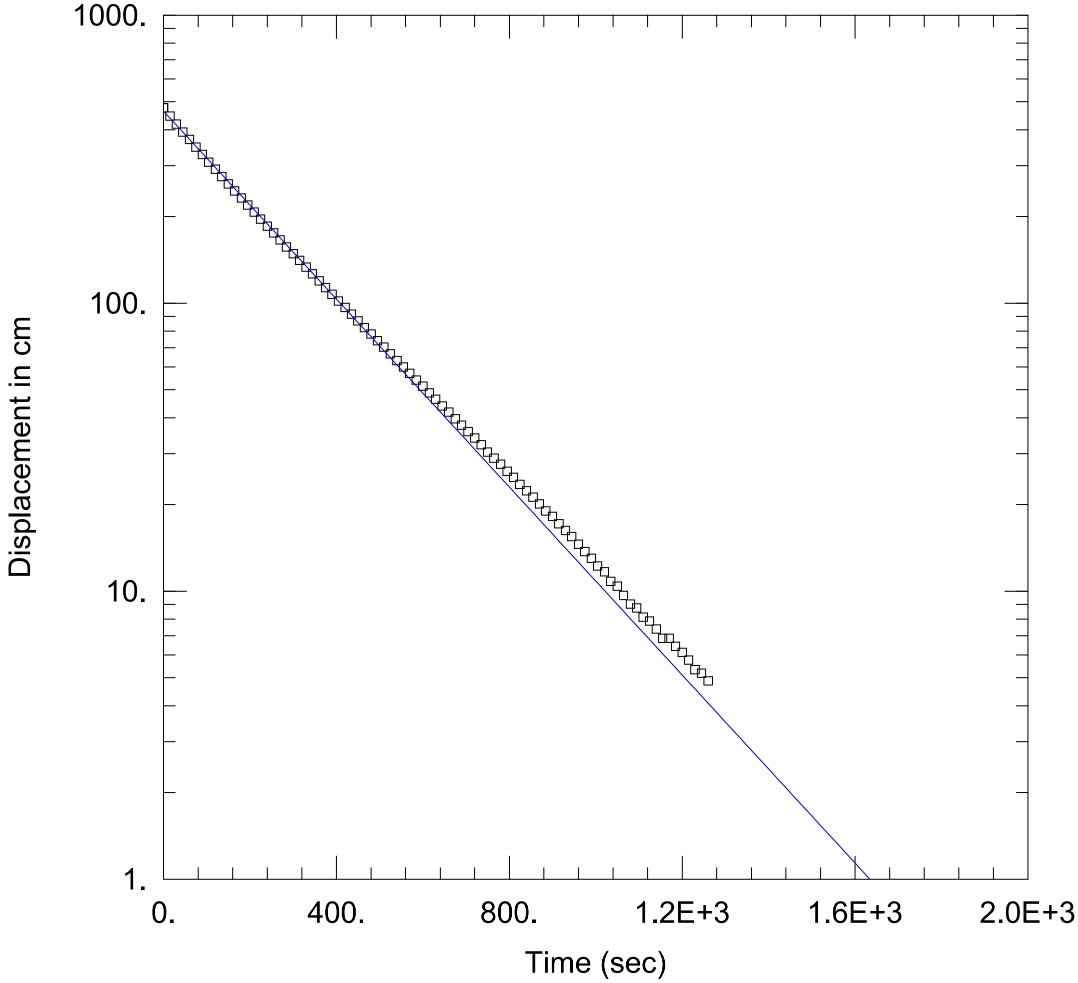
Slug Test
Aquifer Model: Confined
Solution Method: Bouwer-Rice
ln(Re/rw): 3.205

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	0.0001083	cm/sec
y0	443.	cm

T = K*b = 0.05891 cm²/sec



WELL TEST ANALYSIS

Data Set: C:\Users\CAD\Desktop\Rome.aqt
Date: 08/18/21 Time: 16:21:34

PROJECT INFORMATION

Company: Sterling
Client: Rome LF
Project: 2020-28
Location: Rome
Test Well: SP-21-1
Test Date: 7/12/21

AQUIFER DATA

Saturated Thickness: 544.1 cm Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 476.2 cm
Total Well Penetration Depth: 944.9 cm
Casing Radius: 2.54 cm
Static Water Column Height: 522.7 cm
Screen Length: 304.8 cm
Well Radius: 10.59 cm

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev

K = 0.0001612 cm/sec y0 = 464.1 cm

Data Set: C:\Users\CAD\Desktop\Rome.aqt
Date: 08/18/21
Time: 16:22:01

PROJECT INFORMATION

Company: Sterling
Client: Rome LF
Project: 2020-28
Location: Rome
Test Date: 7/12/21
Test Well: SP-21-1

AQUIFER DATA

Saturated Thickness: 544.1 cm
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: New Well

X Location: 0. cm
Y Location: 0. cm

Initial Displacement: 476.2 cm
Static Water Column Height: 522.7 cm
Casing Radius: 2.54 cm
Well Radius: 10.59 cm
Well Skin Radius: 10.59 cm
Screen Length: 304.8 cm
Total Well Penetration Depth: 944.9 cm

No. of Observations: 85

Observation Data

Time (sec)	Displacement (cm)	Time (sec)	Displacement (cm)
0.	476.2	645.	43.98
15.	445.7	660.	41.88
30.	418.2	675.	39.68
45.	392.9	690.	37.7
60.	369.8	705.	35.81
75.	348.	720.	33.99
90.	327.9	735.	32.22
105.	309.	750.	30.42
120.	291.4	765.	28.96
135.	275.3	780.	27.55
150.	259.6	795.	26.09
165.	245.5	810.	24.84
180.	231.7	825.	23.5
195.	219.2	840.	22.28
210.	207.1	855.	21.21
225.	195.9	870.	20.09
240.	185.1	885.	18.96

Time (sec)	Displacement (cm)	Time (sec)	Displacement (cm)
255.	175.2	900.	18.17
270.	165.7	915.	17.13
285.	156.8	930.	16.25
300.	148.4	945.	15.45
315.	140.6	960.	14.54
330.	133.3	975.	13.72
345.	126.2	990.	12.98
360.	119.5	1005.	12.22
375.	113.3	1020.	11.67
390.	107.4	1035.	10.82
405.	101.7	1050.	10.39
420.	96.68	1065.	9.662
435.	91.62	1080.	9.022
450.	86.72	1095.	8.748
465.	82.33	1110.	8.108
480.	78.06	1125.	7.864
495.	73.94	1140.	7.376
510.	70.41	1155.	6.858
525.	66.66	1170.	6.858
540.	63.12	1185.	6.431
555.	60.02	1200.	6.126
570.	57.	1215.	5.761
585.	54.07	1230.	5.334
600.	51.42	1245.	5.182
615.	48.74	1260.	4.877
630.	46.3		

SOLUTION

Slug Test
Aquifer Model: Confined
Solution Method: Hvorslev
Log Factor: 0.2467

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	0.0001274	cm/sec
y0	464.1	cm

T = K*b = 0.06934 cm²/sec

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	0.0001612	6.457E-7	+/- 1.284E-6	249.6	cm/sec
y0	464.1	1.267	+/- 2.519	366.4	cm

C.I. is approximate 95% confidence interval for parameter

t-ratio = estimate/std. error
No estimation window

T = K*b = 0.08768 cm^2/sec

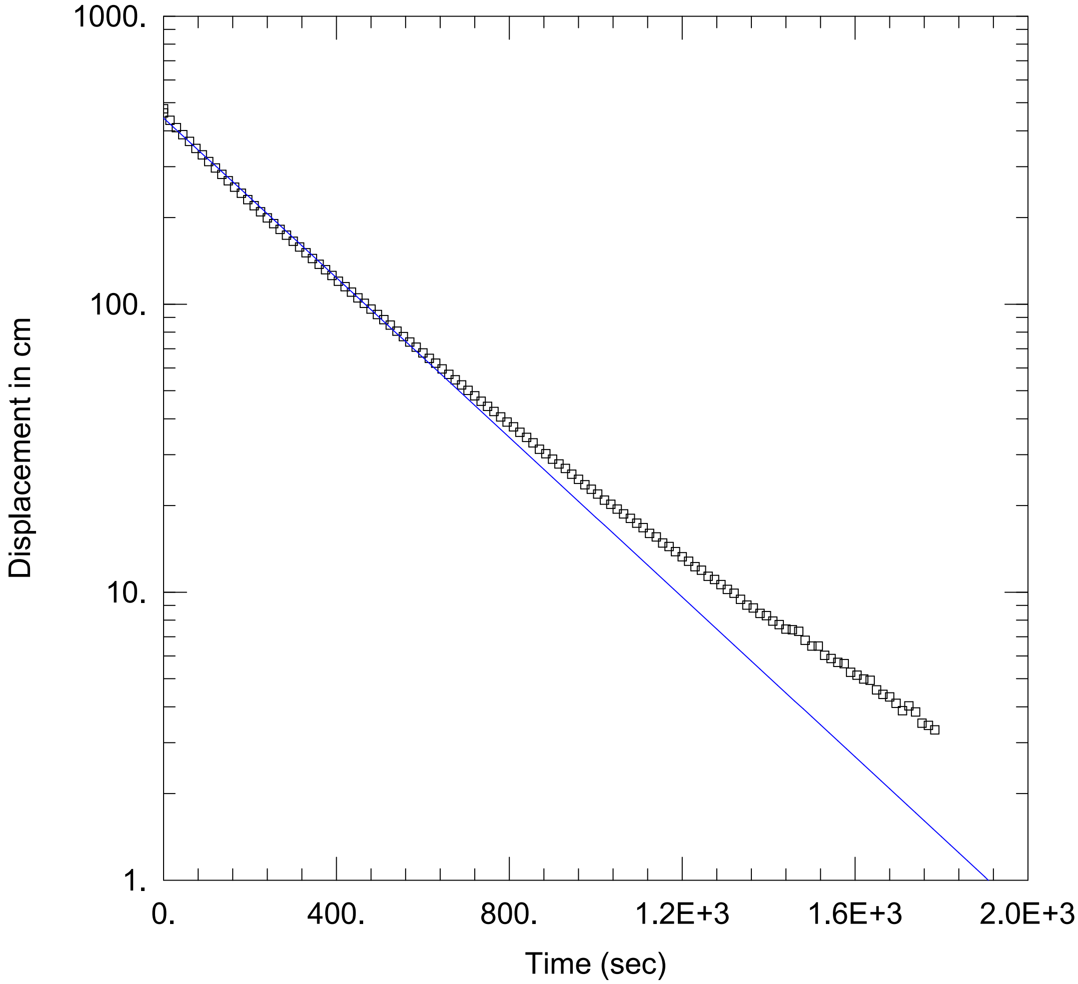
Parameter Correlations

	K	y0
K	1.00	0.69
y0	0.69	1.00

Residual Statistics

for weighted residuals

Sum of Squares... 655.4 cm^2
Variance .... 7.897 cm^2
Std. Deviation..... 2.81 cm
Mean.............. 0.8823 cm
No. of Residuals .. 85
No. of Estimates .. 2



WELL TEST ANALYSIS

Data Set: C:\Users\CAD\Desktop\Rome.aqt
Date: 08/18/21 Time: 16:19:42

PROJECT INFORMATION

Company: Sterling
Client: Rome LF
Project: 2020-28
Location: Rome
Test Well: SP-21-1
Test Date: 7/12/21

AQUIFER DATA

Saturated Thickness: 544.1 cm Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 476.2 cm Static Water Column Height: 522.7 cm
Total Well Penetration Depth: 944.9 cm Screen Length: 304.8 cm
Casing Radius: 2.54 cm Well Radius: 10.59 cm

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.0001083 cm/sec y0 = 443. cm

Data Set: C:\Users\CAD\Desktop\Rome.aqt
Date: 08/18/21
Time: 16:20:03

PROJECT INFORMATION

Company: Sterling
Client: Rome LF
Project: 2020-28
Location: Rome
Test Date: 7/12/21
Test Well: SP-21-1

AQUIFER DATA

Saturated Thickness: 544.1 cm
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: New Well

X Location: 0. cm
Y Location: 0. cm

Initial Displacement: 476.2 cm
Static Water Column Height: 522.7 cm
Casing Radius: 2.54 cm
Well Radius: 10.59 cm
Well Skin Radius: 10.59 cm
Screen Length: 304.8 cm
Total Well Penetration Depth: 944.9 cm

No. of Observations: 120

Observation Data

Time (sec)	Displacement (cm)	Time (sec)	Displacement (cm)
0.	461.4	900.	28.99
15.	434.4	915.	27.89
30.	410.4	930.	26.88
45.	388.	945.	25.69
60.	366.9	960.	24.63
75.	347.5	975.	23.62
90.	329.5	990.	22.77
105.	312.4	1005.	21.92
120.	296.8	1020.	20.85
135.	281.9	1035.	20.21
150.	268.2	1050.	19.45
165.	254.9	1065.	18.68
180.	242.4	1080.	18.01
195.	230.8	1095.	17.37
210.	219.6	1110.	16.73
225.	209.2	1125.	15.97
240.	199.5	1140.	15.54

Time (sec)	Displacement (cm)	Time (sec)	Displacement (cm)
255.	190.3	1155.	14.81
270.	181.8	1170.	14.39
285.	173.5	1185.	13.84
300.	165.3	1200.	13.26
315.	157.9	1215.	12.8
330.	150.9	1230.	12.25
345.	143.9	1245.	11.92
360.	137.6	1260.	11.34
375.	131.6	1275.	11.06
390.	125.8	1290.	10.61
405.	120.2	1305.	10.21
420.	114.8	1320.	9.906
435.	110.1	1335.	9.449
450.	105.1	1350.	9.022
465.	100.6	1365.	8.809
480.	96.16	1380.	8.443
495.	92.08	1395.	8.291
510.	88.3	1410.	7.925
525.	84.49	1425.	7.711
540.	80.59	1440.	7.437
555.	77.21	1455.	7.407
570.	73.91	1470.	7.315
585.	70.81	1485.	6.797
600.	67.67	1500.	6.492
615.	64.86	1515.	6.492
630.	62.33	1530.	6.035
645.	59.53	1545.	5.883
660.	56.97	1560.	5.7
675.	54.59	1575.	5.639
690.	52.36	1590.	5.273
705.	50.17	1605.	5.151
720.	48.07	1620.	4.999
735.	45.96	1635.	4.938
750.	44.14	1650.	4.572
765.	42.34	1665.	4.42
780.	40.57	1680.	4.328
795.	38.95	1695.	4.115
810.	37.49	1710.	3.871
825.	35.87	1725.	4.023
840.	34.47	1740.	3.84
855.	33.01	1755.	3.505
870.	31.36	1770.	3.444
885.	30.27	1785.	3.322

SOLUTION

Slug Test
Aquifer Model: Confined
Solution Method: Bouwer-Rice
ln(Re/rw): 3.205

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	0.0001369	cm/sec
y0	443.	cm

T = K*b = 0.07449 cm^2/sec

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	0.0001083	6.234E-7	+/- 1.234E-6	173.7	cm/sec
y0	443.	1.747	+/- 3.46	253.5	cm

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

T = K*b = 0.05891 cm^2/sec

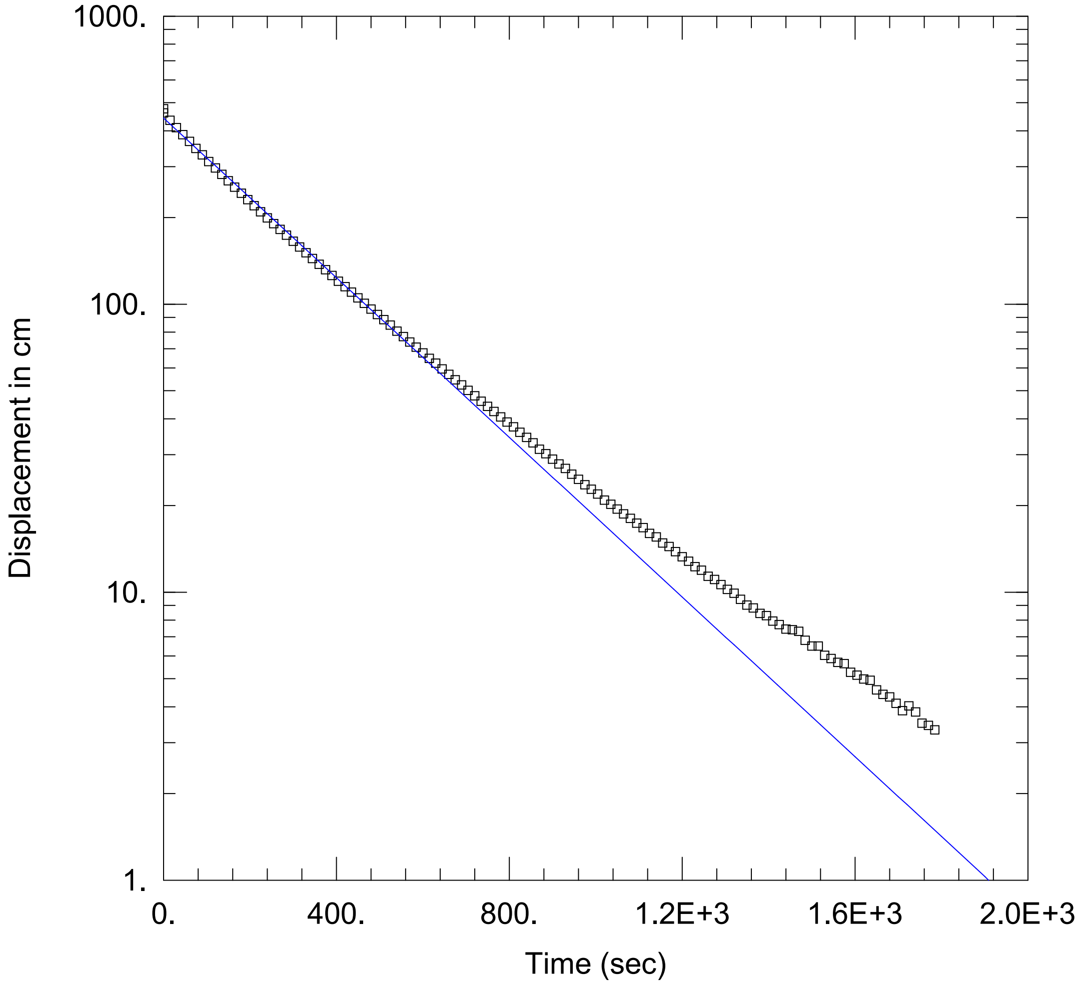
Parameter Correlations

	K	y0
K	1.00	0.69
y0	0.69	1.00

Residual Statistics

for weighted residuals

Sum of Squares... 2056.3 cm^2
Variance .... 17.43 cm^2
Std. Deviation..... 4.174 cm
Mean.............. 1.745 cm
No. of Residuals .. 120
No. of Estimates .. 2



WELL TEST ANALYSIS

Data Set: C:\Users\CAD\Desktop\Rome.aqt
Date: 08/18/21 Time: 16:19:05

PROJECT INFORMATION

Company: Sterling
Client: Rome LF
Project: 2020-28
Location: Rome
Test Well: SP-21-1
Test Date: 7/12/21

AQUIFER DATA

Saturated Thickness: 544.1 cm Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 476.2 cm
Total Well Penetration Depth: 944.9 cm
Casing Radius: 2.54 cm
Static Water Column Height: 522.7 cm
Screen Length: 304.8 cm
Well Radius: 10.59 cm

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev

K = 0.0001369 cm/sec y0 = 443. cm

Data Set: C:\Users\CAD\Desktop\Rome.aqt
Date: 08/18/21
Time: 16:18:31

PROJECT INFORMATION

Company: Sterling
Client: Rome LF
Project: 2020-28
Location: Rome
Test Date: 7/12/21
Test Well: SP-21-1

AQUIFER DATA

Saturated Thickness: 544.1 cm
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: New Well

X Location: 0. cm
Y Location: 0. cm

Initial Displacement: 476.2 cm
Static Water Column Height: 522.7 cm
Casing Radius: 2.54 cm
Well Radius: 10.59 cm
Well Skin Radius: 10.59 cm
Screen Length: 304.8 cm
Total Well Penetration Depth: 944.9 cm

No. of Observations: 120

Observation Data

Time (sec)	Displacement (cm)	Time (sec)	Displacement (cm)
0.	461.4	900.	28.99
15.	434.4	915.	27.89
30.	410.4	930.	26.88
45.	388.	945.	25.69
60.	366.9	960.	24.63
75.	347.5	975.	23.62
90.	329.5	990.	22.77
105.	312.4	1005.	21.92
120.	296.8	1020.	20.85
135.	281.9	1035.	20.21
150.	268.2	1050.	19.45
165.	254.9	1065.	18.68
180.	242.4	1080.	18.01
195.	230.8	1095.	17.37
210.	219.6	1110.	16.73
225.	209.2	1125.	15.97
240.	199.5	1140.	15.54

Time (sec)	Displacement (cm)	Time (sec)	Displacement (cm)
255.	190.3	1155.	14.81
270.	181.8	1170.	14.39
285.	173.5	1185.	13.84
300.	165.3	1200.	13.26
315.	157.9	1215.	12.8
330.	150.9	1230.	12.25
345.	143.9	1245.	11.92
360.	137.6	1260.	11.34
375.	131.6	1275.	11.06
390.	125.8	1290.	10.61
405.	120.2	1305.	10.21
420.	114.8	1320.	9.906
435.	110.1	1335.	9.449
450.	105.1	1350.	9.022
465.	100.6	1365.	8.809
480.	96.16	1380.	8.443
495.	92.08	1395.	8.291
510.	88.3	1410.	7.925
525.	84.49	1425.	7.711
540.	80.59	1440.	7.437
555.	77.21	1455.	7.407
570.	73.91	1470.	7.315
585.	70.81	1485.	6.797
600.	67.67	1500.	6.492
615.	64.86	1515.	6.492
630.	62.33	1530.	6.035
645.	59.53	1545.	5.883
660.	56.97	1560.	5.7
675.	54.59	1575.	5.639
690.	52.36	1590.	5.273
705.	50.17	1605.	5.151
720.	48.07	1620.	4.999
735.	45.96	1635.	4.938
750.	44.14	1650.	4.572
765.	42.34	1665.	4.42
780.	40.57	1680.	4.328
795.	38.95	1695.	4.115
810.	37.49	1710.	3.871
825.	35.87	1725.	4.023
840.	34.47	1740.	3.84
855.	33.01	1755.	3.505
870.	31.36	1770.	3.444
885.	30.27	1785.	3.322

SOLUTION

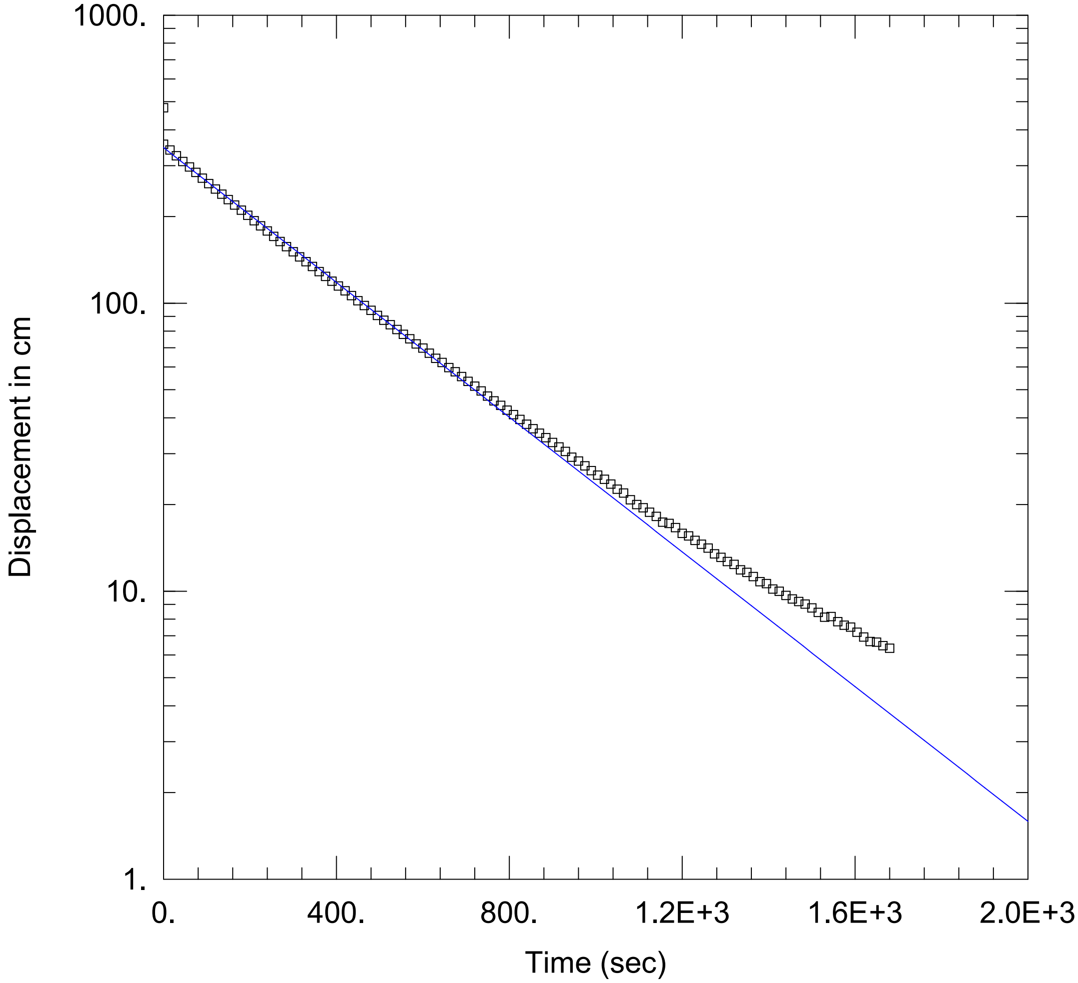
Slug Test
Aquifer Model: Confined
Solution Method: Hvorslev
Log Factor: 0.2467

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	
K	0.0001155	cm/sec
y0	346.7	cm

T = K*b = 0.06284 cm^2/sec



WELL TEST ANALYSIS

Data Set: C:\Users\CAD\Desktop\Rome.aqt
Date: 08/18/21 Time: 16:15:32

PROJECT INFORMATION

Company: Sterling
Client: Rome LF
Project: 2020-28
Location: Rome
Test Well: SP-21-1
Test Date: 7/12/21

AQUIFER DATA

Saturated Thickness: 544.1 cm Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 476.2 cm Static Water Column Height: 522.7 cm
Total Well Penetration Depth: 944.9 cm Screen Length: 304.8 cm
Casing Radius: 2.54 cm Well Radius: 10.59 cm

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 9.135E-5 cm/sec y0 = 346.8 cm

Data Set: C:\Users\CAD\Desktop\Rome.aqt
Date: 08/18/21
Time: 16:15:48

PROJECT INFORMATION

Company: Sterling
Client: Rome LF
Project: 2020-28
Location: Rome
Test Date: 7/12/21
Test Well: SP-21-1

AQUIFER DATA

Saturated Thickness: 544.1 cm
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: New Well

X Location: 0. cm
Y Location: 0. cm

Initial Displacement: 476.2 cm
Static Water Column Height: 522.7 cm
Casing Radius: 2.54 cm
Well Radius: 10.59 cm
Well Skin Radius: 10.59 cm
Screen Length: 304.8 cm
Total Well Penetration Depth: 944.9 cm

No. of Observations: 113

Observation Data

Time (sec)	Displacement (cm)	Time (sec)	Displacement (cm)
0.	356.1	855.	36.61
15.	339.9	870.	35.39
30.	325.	885.	34.14
45.	310.6	900.	32.83
60.	296.9	915.	31.64
75.	284.	930.	30.51
90.	271.6	945.	29.2
105.	260.3	960.	28.29
120.	249.1	975.	27.25
135.	238.8	990.	26.21
150.	228.9	1005.	25.27
165.	219.3	1020.	24.44
180.	210.5	1035.	23.56
195.	201.8	1050.	22.62
210.	193.5	1065.	21.88
225.	185.5	1080.	20.76
240.	178.	1095.	19.99

Time (sec)	Displacement (cm)	Time (sec)	Displacement (cm)
255.	170.6	1110.	19.48
270.	163.7	1125.	18.78
285.	157.	1140.	18.2
300.	150.9	1155.	17.37
315.	144.8	1170.	17.16
330.	139.2	1185.	16.61
345.	134.	1200.	15.85
360.	128.6	1215.	15.54
375.	124.	1230.	15.
390.	119.1	1245.	14.54
405.	114.6	1260.	14.11
420.	110.3	1275.	13.47
435.	106.1	1290.	13.11
450.	101.9	1305.	12.68
465.	98.05	1320.	12.37
480.	94.49	1335.	11.86
495.	90.71	1350.	11.61
510.	87.23	1365.	11.25
525.	84.03	1380.	10.79
540.	80.99	1395.	10.61
555.	77.94	1410.	10.18
570.	75.16	1425.	9.997
585.	72.24	1440.	9.662
600.	69.74	1455.	9.388
615.	66.96	1470.	9.205
630.	64.37	1485.	9.022
645.	62.21	1500.	8.748
660.	59.77	1515.	8.443
675.	57.73	1530.	8.108
690.	55.53	1545.	8.169
705.	53.43	1560.	7.833
720.	51.45	1575.	7.62
735.	49.59	1590.	7.498
750.	47.52	1605.	7.193
765.	45.81	1620.	6.919
780.	44.17	1635.	6.675
795.	42.46	1650.	6.645
810.	40.97	1665.	6.462
825.	39.41	1680.	6.34
840.	38.01		

SOLUTION

Slug Test
Aquifer Model: Confined
Solution Method: Bouwer-Rice
ln(Re/rw): 3.205

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate

K	9.135E-5	cm/sec
y0	346.8	cm

T = K*b = 0.0497 cm²/sec

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	9.135E-5	3.817E-7	+/- 7.565E-7	239.3	cm/sec
y0	346.8	0.994	+/- 1.97	348.9	cm

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

T = K*b = 0.0497 cm²/sec

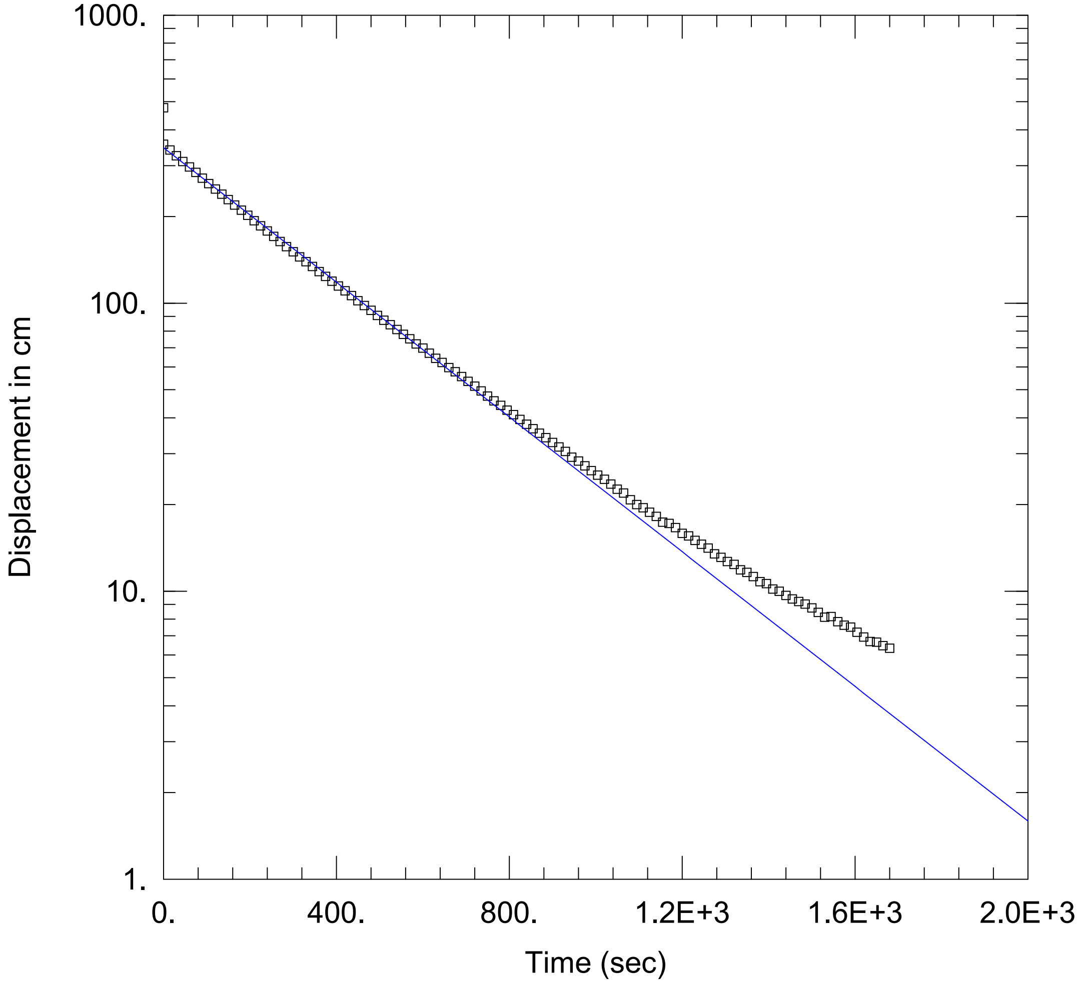
Parameter Correlations

	K	y0
K	1.00	0.70
y0	0.70	1.00

Residual Statistics

for weighted residuals

Sum of Squares. . . 729.1 cm^2
Variance . . . . 6.568 cm^2
Std. Deviation . . . . . 2.563 cm
Mean . . . . 0.9989 cm
No. of Residuals . . 113
No. of Estimates . . 2



WELL TEST ANALYSIS

Data Set: C:\Users\CAD\Desktop\Rome.aqt
Date: 08/18/21
Time: 16:16:35

PROJECT INFORMATION

Company: Sterling
Client: Rome LF
Project: 2020-28
Location: Rome
Test Well: SP-21-1
Test Date: 7/12/21

AQUIFER DATA

Saturated Thickness: 544.1 cm
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 476.2 cm
Static Water Column Height: 522.7 cm
Total Well Penetration Depth: 944.9 cm
Screen Length: 304.8 cm
Casing Radius: 2.54 cm
Well Radius: 10.59 cm

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev

K = 0.0001155 cm/sec
y0 = 346.7 cm

Data Set: C:\Users\CAD\Desktop\Rome.aqt
Date: 08/18/21
Time: 16:17:30

PROJECT INFORMATION

Company: Sterling
Client: Rome LF
Project: 2020-28
Location: Rome
Test Date: 7/12/21
Test Well: SP-21-1

AQUIFER DATA

Saturated Thickness: 544.1 cm
Anisotropy Ratio (Kz/Kr): 1.

SLUG TEST WELL DATA

Test Well: New Well

X Location: 0. cm
Y Location: 0. cm

Initial Displacement: 476.2 cm
Static Water Column Height: 522.7 cm
Casing Radius: 2.54 cm
Well Radius: 10.59 cm
Well Skin Radius: 10.59 cm
Screen Length: 304.8 cm
Total Well Penetration Depth: 944.9 cm

No. of Observations: 113

Observation Data

Time (sec)	Displacement (cm)	Time (sec)	Displacement (cm)
0.	356.1	855.	36.61
15.	339.9	870.	35.39
30.	325.	885.	34.14
45.	310.6	900.	32.83
60.	296.9	915.	31.64
75.	284.	930.	30.51
90.	271.6	945.	29.2
105.	260.3	960.	28.29
120.	249.1	975.	27.25
135.	238.8	990.	26.21
150.	228.9	1005.	25.27
165.	219.3	1020.	24.44
180.	210.5	1035.	23.56
195.	201.8	1050.	22.62
210.	193.5	1065.	21.88
225.	185.5	1080.	20.76
240.	178.	1095.	19.99

Time (sec)	Displacement (cm)	Time (sec)	Displacement (cm)
255.	170.6	1110.	19.48
270.	163.7	1125.	18.78
285.	157.	1140.	18.2
300.	150.9	1155.	17.37
315.	144.8	1170.	17.16
330.	139.2	1185.	16.61
345.	134.	1200.	15.85
360.	128.6	1215.	15.54
375.	124.	1230.	15.
390.	119.1	1245.	14.54
405.	114.6	1260.	14.11
420.	110.3	1275.	13.47
435.	106.1	1290.	13.11
450.	101.9	1305.	12.68
465.	98.05	1320.	12.37
480.	94.49	1335.	11.86
495.	90.71	1350.	11.61
510.	87.23	1365.	11.25
525.	84.03	1380.	10.79
540.	80.99	1395.	10.61
555.	77.94	1410.	10.18
570.	75.16	1425.	9.997
585.	72.24	1440.	9.662
600.	69.74	1455.	9.388
615.	66.96	1470.	9.205
630.	64.37	1485.	9.022
645.	62.21	1500.	8.748
660.	59.77	1515.	8.443
675.	57.73	1530.	8.108
690.	55.53	1545.	8.169
705.	53.43	1560.	7.833
720.	51.45	1575.	7.62
735.	49.59	1590.	7.498
750.	47.52	1605.	7.193
765.	45.81	1620.	6.919
780.	44.17	1635.	6.675
795.	42.46	1650.	6.645
810.	40.97	1665.	6.462
825.	39.41	1680.	6.34
840.	38.01		

SOLUTION

Slug Test
Aquifer Model: Confined
Solution Method: Hvorslev
Log Factor: 0.2467

VISUAL ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate

K	9.135E-5	cm/sec
y0	346.8	cm

T = K*b = 0.0497 cm^2/sec

AUTOMATIC ESTIMATION RESULTS

Estimated Parameters

Parameter	Estimate	Std. Error	Approx. C.I.	t-Ratio	
K	0.0001155	4.78E-7	+/- 9.473E-7	241.7	cm/sec
y0	346.7	0.9916	+/- 1.965	349.7	cm

C.I. is approximate 95% confidence interval for parameter
t-ratio = estimate/std. error
No estimation window

T = K*b = 0.06284 cm^2/sec

Parameter Correlations

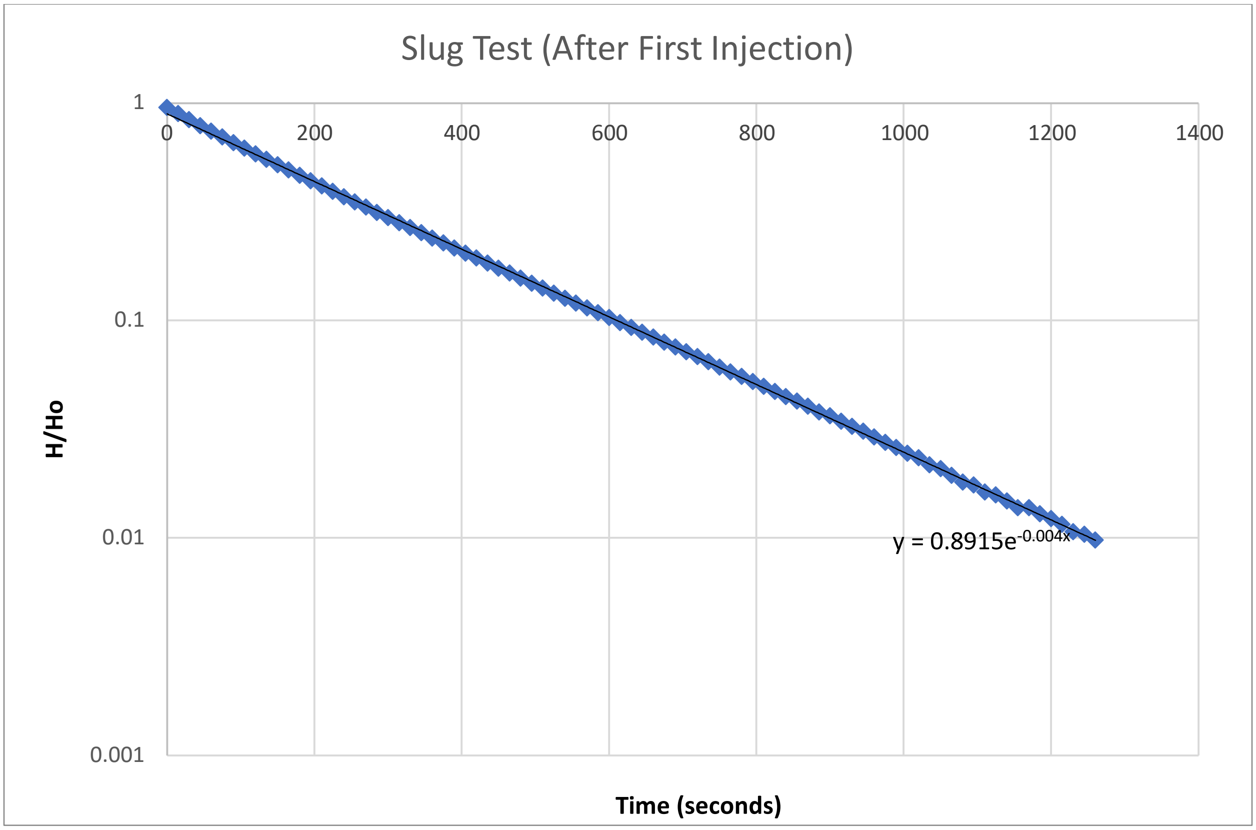
	K	y0
K	1.00	0.69
y0	0.69	1.00

Residual Statistics

for weighted residuals

Sum of Squares... 729.1 cm^2
Variance .... 6.568 cm^2
Std. Deviation..... 2.563 cm
Mean.............. 0.9917 cm
No. of Residuals .. 113
No. of Estimates .. 2

FALLING HEAD TEST ANALYSIS
MANUAL CALCULATIONS AND GRAPHING



Y = 37 percent normalized head (H/Ho) = 0.37

$$Y = 0.8915e^{-0.004x}$$

$$X = [\ln((0.37)/(0.8915))/(-0.004)]$$

$$X = 219.85 \text{ seconds}$$

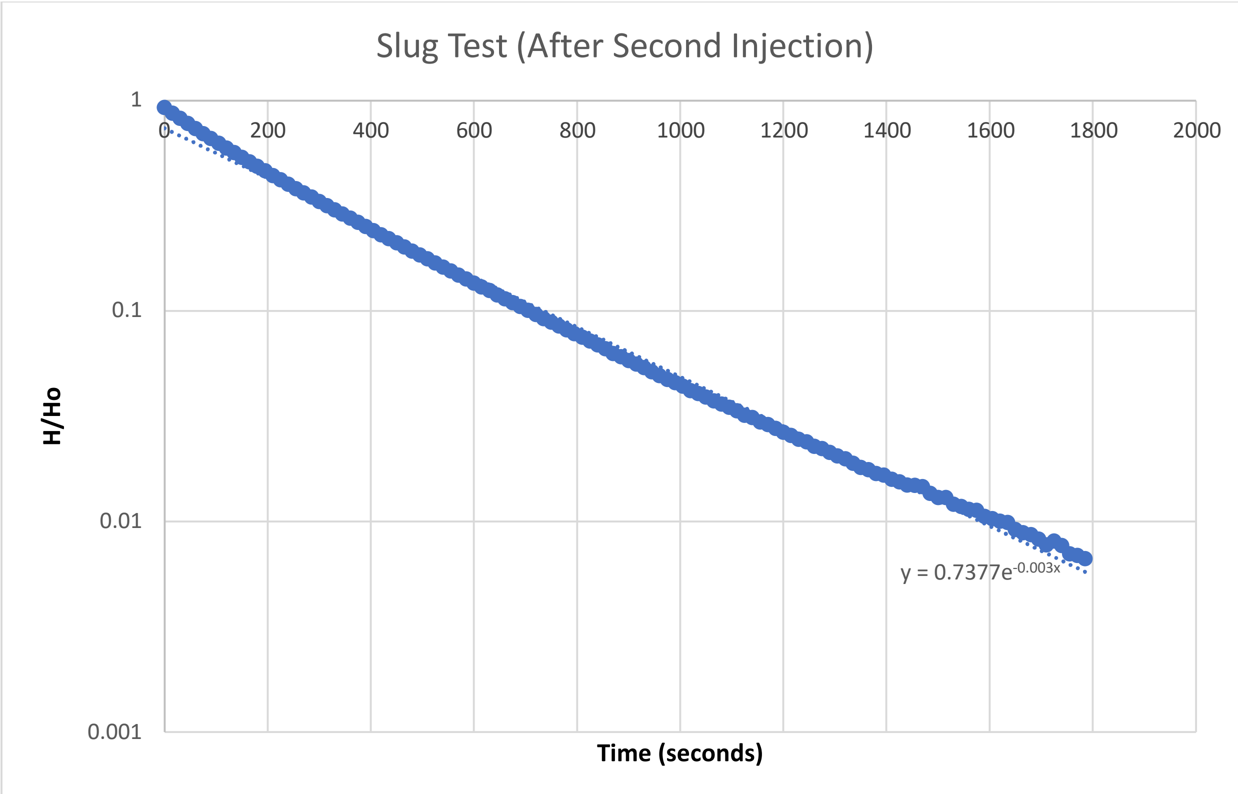
$K = (r^2 \ln(L/R))/(2L(To))$ = Hydraulic Conductivity

r = radius of well casing R = radius of well screen

L = length of well screen To = Time required to reach 0.37 normalized head

$$\frac{2.54^2 \ln\left(\frac{304.8}{2.54}\right)}{2(304.8)(219.85)} \qquad = 2.30464503 \times 10^{-4}$$

$K = 2.30464503 \times 10^{-4}$ cm/second



Y = 37 percent normalized head (H/Ho) = 0.37

$Y = 0.7377e^{-0.003x}$ X = [ln((0.37)/(0.7377))/(-0.003)]

X = 230.01 seconds

K = (r^2ln(L/R))/(2L(To)) = Hydraulic Conductivity

r = radius of well casing

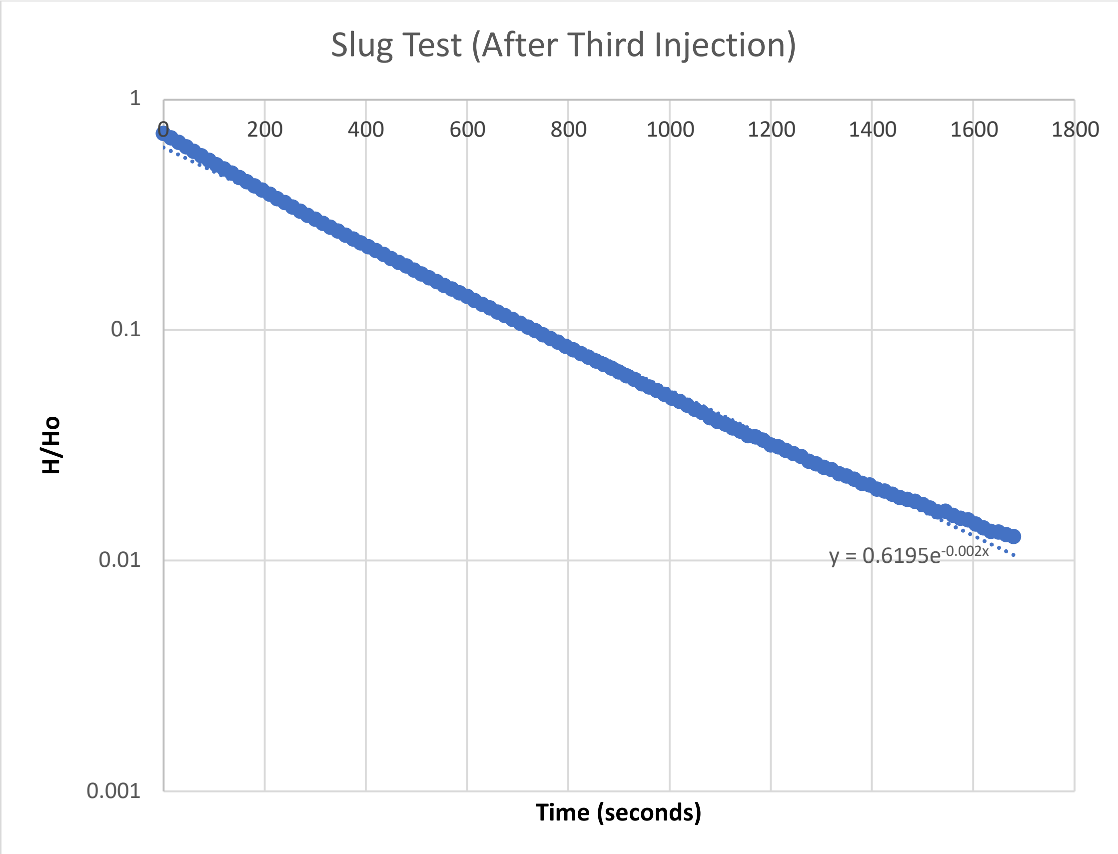
R = radius of well screen

L = length of well screen

To = Time required to reach 0.37 normalized head

$$\frac{2.54^2 \ln\left(\frac{304.8}{2.54}\right)}{2(304.8)(230.01)} = 2.20284427 \times 10^{-4}$$

K = 2.20284427 x10 $^{-4}$ cm/second



Y = 37 percent normalized head (H/Ho) = 0.37

$Y = 0.6195e^{-0.002x}$ X = [ln((0.37)/(0.6195))/(-0.002)]

X = 257.70 seconds

$K = (r^2 \ln(L/R))/(2L(To))$ = Hydraulic Conductivity

r = radius of well casing

R = radius of well screen

L = length of well screen

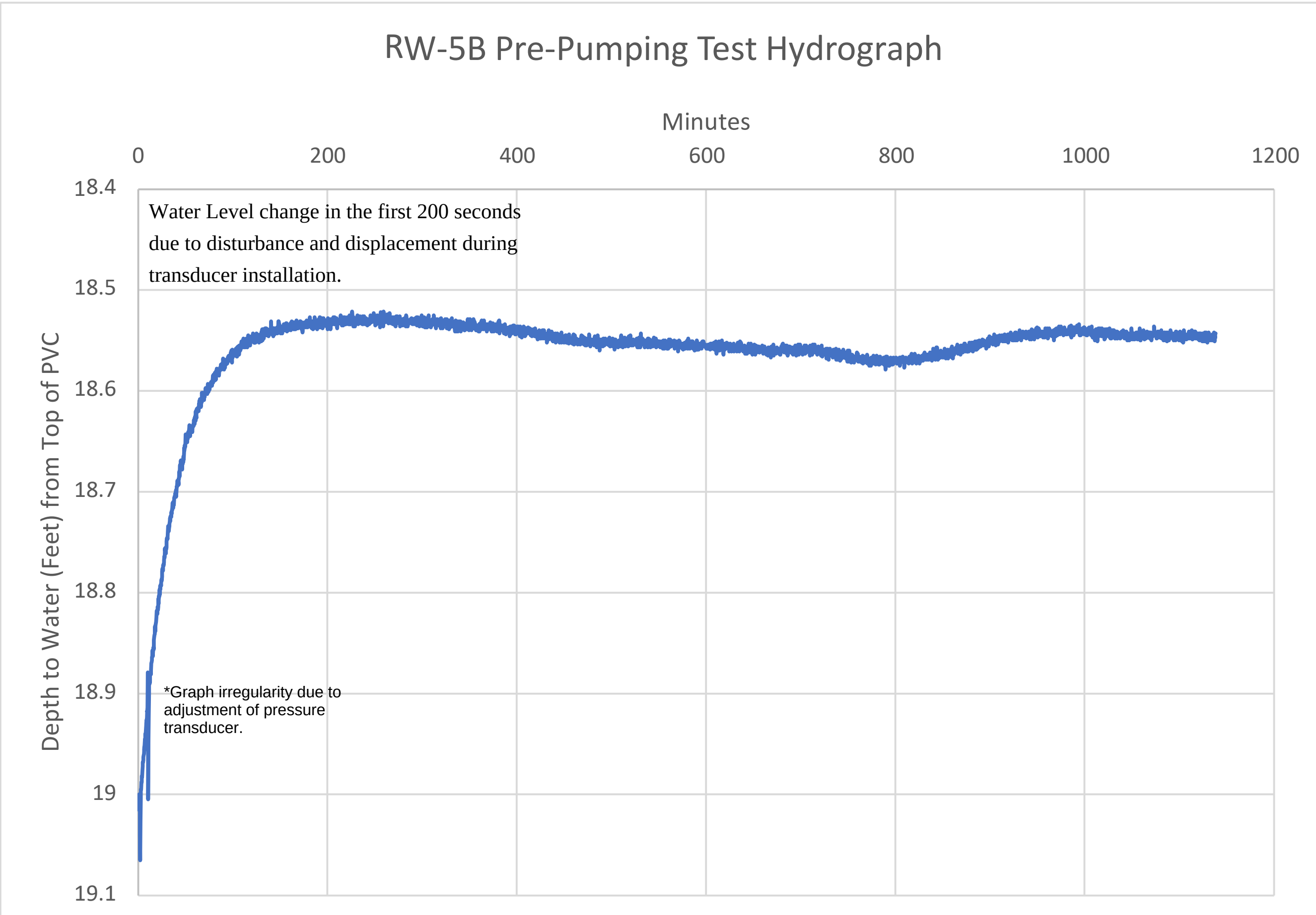
To = Time required to reach 0.37 normalized head

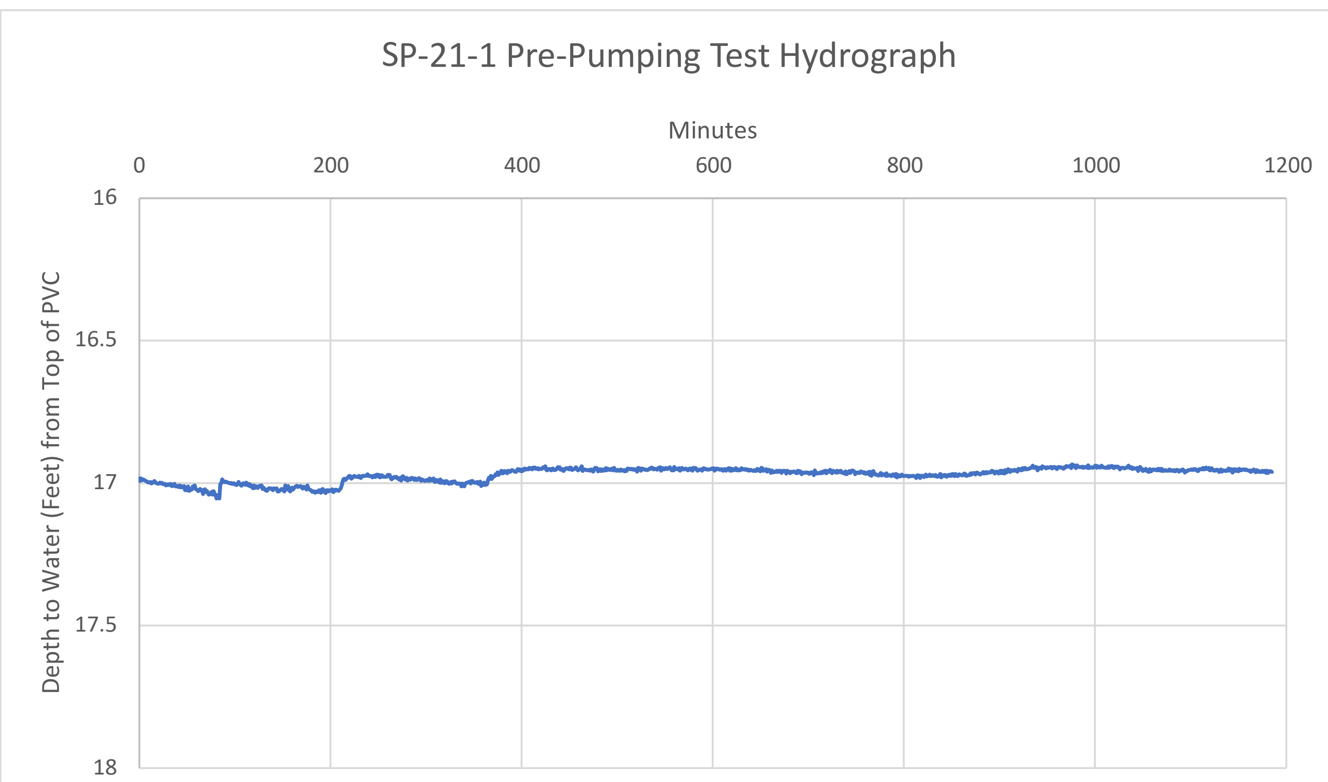
$$\frac{2.54^2 \ln\left(\frac{304.8}{2.54}\right)}{2(304.8)(257.7)} \qquad = 1.96614749 \times 10^{-4}$$

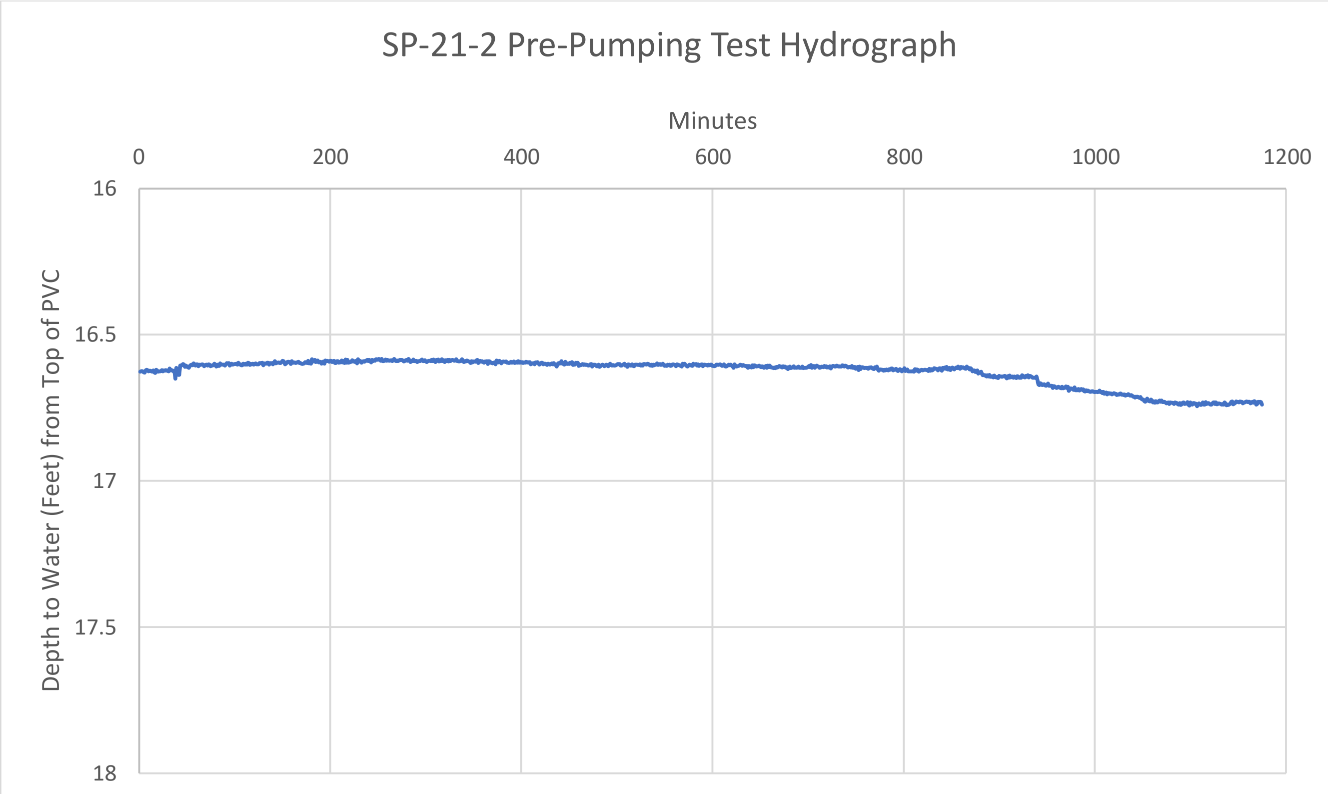
$K = 1.96614749 \times 10^{-4}$ cm/second

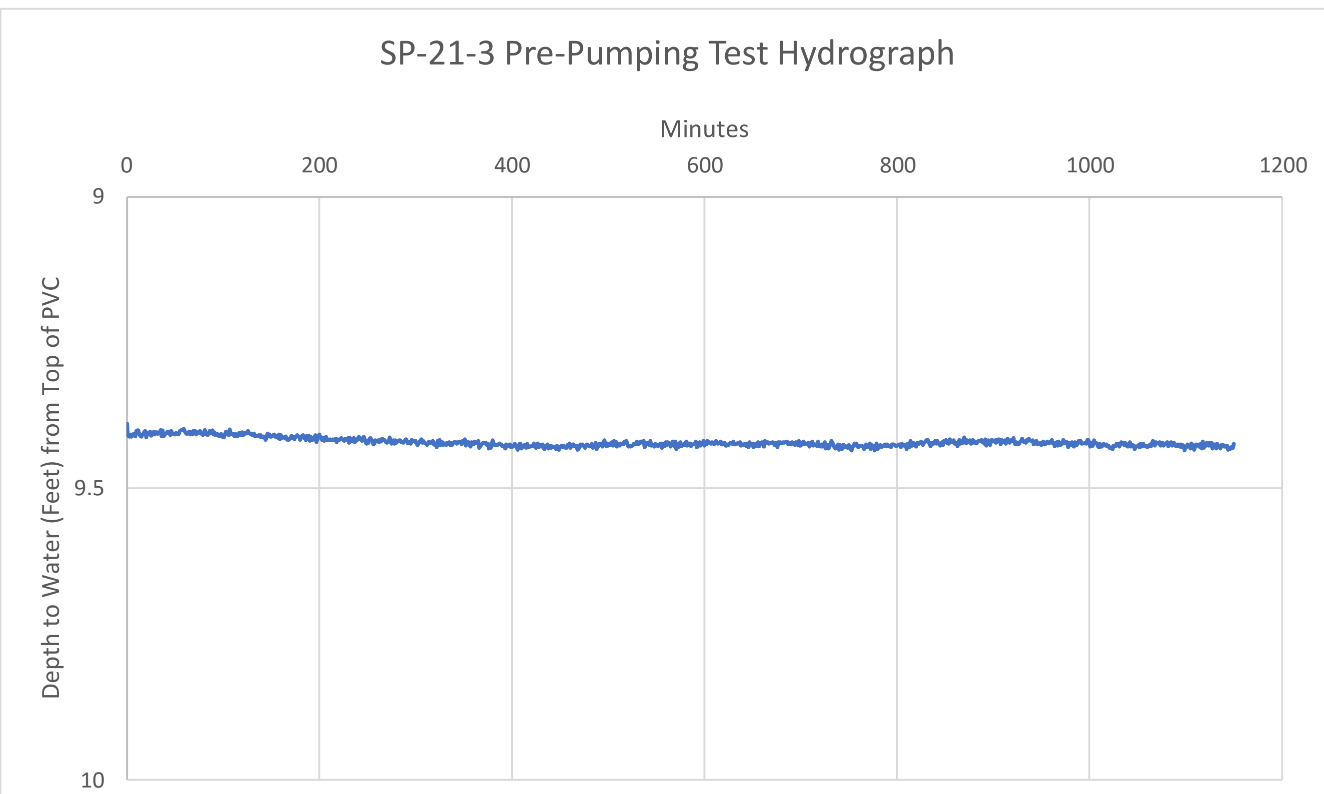
APPENDIX F

BACKGROUND DATA WITH HYDROGRAPHS


RW-5B Pre-Pumping Test Hydrograph
Minutes
0
200
400
600
800
1000
1200
Depth to Water (Feet) from Top of PVC
18.4
18.5
18.6
18.7
18.8
18.9
19
19.1
Water Level change in the first 200 seconds due to disturbance and displacement during transducer installation.
*Graph irregularity due to adjustment of pressure transducer.


SP-21-1 Pre-Pumping Test Hydrograph
Minutes
0
200
400
600
800
1000
1200
Depth to Water (Feet) from Top of PVC
16
16.5
17
17.5
18


SP-21-2 Pre-Pumping Test Hydrograph
Minutes
0
200
400
600
800
1000
1200
Depth to Water (Feet) from Top of PVC
16
16.5
17
17.5
18


SP-21-3 Pre-Pumping Test Hydrograph
Minutes
0
200
400
600
800
1000
1200
Depth to Water (Feet) from Top of PVC
9
9.5
10

Report Date: 8/3/2021 8:09
Report User Name: OBI
Report Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.3.0

Log File Properties
File Name RW-5B_PUMP 2021-08-03 07.50.40.wsl
Create Date 8/3/2021 7:49

Device Properties
Device Level TROLL 700
Site ROME LF
Device Name
Serial Number 774249

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 774249 Pressure (PSI)	Sensor: Pres(G) 35ft SN#: 774249 Temperature (C)	Sensor: Pres(G) 35ft SN#: 774249 Level Depth To Water (ft)
8/2/2021 12:05	0	3.759	12.382	19.015
8/2/2021 12:05	15.001	3.761	12.409	19.011
8/2/2021 12:06	30.001	3.762	12.373	19.009
8/2/2021 12:06	45.001	3.762	12.395	19.008
8/2/2021 12:06	60.001	3.763	12.371	19.005
8/2/2021 12:06	75.001	3.766	12.384	19
8/2/2021 12:07	90.001	3.762	12.382	19.009
8/2/2021 12:07	105.001	3.763	12.382	19.006
8/2/2021 12:07	120.001	3.748	12.356	19.041
8/2/2021 12:07	135.001	3.738	12.325	19.065
8/2/2021 12:08	150.001	3.754	12.334	19.027
8/2/2021 12:08	165.001	3.764	12.328	19.004
8/2/2021 12:08	180.001	3.768	12.337	18.995
8/2/2021 12:08	195.001	3.768	12.333	18.995
8/2/2021 12:09	210.001	3.771	12.336	18.988
8/2/2021 12:09	225.001	3.771	12.329	18.988
8/2/2021 12:09	240.001	3.774	12.317	18.982
8/2/2021 12:09	255.001	3.773	12.33	18.983
8/2/2021 12:10	270.001	3.776	12.31	18.977
8/2/2021 12:10	285.001	3.778	12.321	18.972
8/2/2021 12:10	300.001	3.78	12.296	18.968
8/2/2021 12:10	315.001	3.78	12.297	18.968
8/2/2021 12:11	330.001	3.781	12.302	18.966
8/2/2021 12:11	345.001	3.782	12.302	18.963
8/2/2021 12:11	360.001	3.783	12.313	18.961
8/2/2021 12:11	375.001	3.783	12.294	18.96
8/2/2021 12:12	390.001	3.786	12.312	18.953
8/2/2021 12:12	405.001	3.785	12.272	18.956
8/2/2021 12:12	420.001	3.788	12.277	18.95
8/2/2021 12:12	435.001	3.79	12.294	18.945
8/2/2021 12:13	450.001	3.789	12.274	18.947
8/2/2021 12:13	465.001	3.792	12.26	18.94
8/2/2021 12:13	480.001	3.791	12.272	18.941
8/2/2021 12:13	495.001	3.794	12.278	18.936
8/2/2021 12:14	510.001	3.796	12.258	18.931
8/2/2021 12:14	525.001	3.796	12.256	18.93
8/2/2021 12:14	540.001	3.798	12.281	18.926
8/2/2021 12:14	555.001	3.798	12.232	18.927
8/2/2021 12:15	570.001	3.802	12.241	18.917

8/2/2021 12:15	585.001	3.801	12.241	18.918
8/2/2021 12:15	600.001	3.803	12.233	18.914
8/2/2021 12:15	615.001	3.818	12.233	18.879
8/2/2021 12:16	630.001	3.773	12.252	18.984
8/2/2021 12:16	645.004	3.764	12.28	19.005
8/2/2021 12:16	660.001	3.788	12.234	18.949
8/2/2021 12:16	675.001	3.8	12.233	18.921
8/2/2021 12:17	690.001	3.809	12.222	18.9
8/2/2021 12:17	705.001	3.812	12.25	18.893
8/2/2021 12:17	720.001	3.815	12.202	18.887
8/2/2021 12:17	735.001	3.814	12.211	18.89
8/2/2021 12:18	750.001	3.815	12.217	18.888
8/2/2021 12:18	765.001	3.817	12.205	18.882
8/2/2021 12:18	780.001	3.817	12.192	18.881
8/2/2021 12:18	795.001	3.818	12.185	18.879
8/2/2021 12:19	810.001	3.817	12.182	18.881
8/2/2021 12:19	825.001	3.819	12.179	18.877
8/2/2021 12:19	840.001	3.822	12.192	18.87
8/2/2021 12:19	855.001	3.822	12.187	18.869
8/2/2021 12:20	870.001	3.823	12.173	18.867
8/2/2021 12:20	885.001	3.825	12.203	18.864
8/2/2021 12:20	900.001	3.825	12.165	18.863
8/2/2021 12:20	915.001	3.828	12.184	18.857
8/2/2021 12:21	930.001	3.825	12.165	18.863
8/2/2021 12:21	945.001	3.826	12.165	18.861
8/2/2021 12:21	960.001	3.828	12.17	18.857
8/2/2021 12:21	975.001	3.829	12.148	18.854
8/2/2021 12:22	990.001	3.828	12.165	18.856
8/2/2021 12:22	1005.001	3.832	12.136	18.847
8/2/2021 12:22	1020.001	3.833	12.164	18.844
8/2/2021 12:22	1035.001	3.834	12.14	18.842
8/2/2021 12:23	1050.001	3.835	12.132	18.841
8/2/2021 12:23	1065.001	3.837	12.132	18.835
8/2/2021 12:23	1080.001	3.838	12.129	18.833
8/2/2021 12:23	1095.001	3.836	12.103	18.838
8/2/2021 12:24	1110.001	3.838	12.131	18.833
8/2/2021 12:24	1125.001	3.839	12.117	18.831
8/2/2021 12:24	1140.001	3.84	12.11	18.829
8/2/2021 12:24	1155.001	3.842	12.118	18.825
8/2/2021 12:25	1170.001	3.842	12.112	18.825
8/2/2021 12:25	1185.001	3.845	12.119	18.818
8/2/2021 12:25	1200.001	3.844	12.099	18.819
8/2/2021 12:25	1215.001	3.844	12.102	18.819
8/2/2021 12:26	1230.001	3.843	12.099	18.821
8/2/2021 12:26	1245.001	3.846	12.103	18.814
8/2/2021 12:26	1260.001	3.845	12.086	18.817
8/2/2021 12:26	1275.001	3.846	12.104	18.814
8/2/2021 12:27	1290.001	3.85	12.116	18.806
8/2/2021 12:27	1305.001	3.848	12.076	18.811
8/2/2021 12:27	1320.001	3.851	12.091	18.803
8/2/2021 12:27	1335.001	3.851	12.093	18.804
8/2/2021 12:28	1350.001	3.851	12.074	18.803
8/2/2021 12:28	1365.001	3.854	12.067	18.797
8/2/2021 12:28	1380.001	3.852	12.077	18.802
8/2/2021 12:28	1395.001	3.856	12.059	18.793
8/2/2021 12:29	1410.001	3.854	12.051	18.797
8/2/2021 12:29	1425.001	3.855	12.056	18.793
8/2/2021 12:29	1440.001	3.856	12.063	18.792

8/2/2021 12:29	1455.001	3.856	12.043	18.793
8/2/2021 12:30	1470.001	3.857	12.049	18.79
8/2/2021 12:30	1485.001	3.858	12.047	18.787
8/2/2021 12:30	1500.001	3.858	12.057	18.788
8/2/2021 12:30	1515.001	3.86	12.054	18.784
8/2/2021 12:31	1530.001	3.862	12.051	18.779
8/2/2021 12:31	1545.001	3.863	12.042	18.776
8/2/2021 12:31	1560.001	3.862	12.031	18.778
8/2/2021 12:31	1575.001	3.862	12.038	18.778
8/2/2021 12:32	1590.001	3.864	12.038	18.773
8/2/2021 12:32	1605.001	3.865	12.049	18.772
8/2/2021 12:32	1620.001	3.864	12.016	18.773
8/2/2021 12:32	1635.001	3.865	12.006	18.77
8/2/2021 12:33	1650.001	3.866	12.015	18.768
8/2/2021 12:33	1665.001	3.868	12.006	18.764
8/2/2021 12:33	1680.001	3.868	12.016	18.765
8/2/2021 12:33	1695.001	3.871	12.027	18.756
8/2/2021 12:34	1710.001	3.871	12.019	18.758
8/2/2021 12:34	1725.001	3.87	12.01	18.759
8/2/2021 12:34	1740.001	3.87	11.991	18.759
8/2/2021 12:34	1755.001	3.87	12.01	18.761
8/2/2021 12:35	1770.001	3.872	12.025	18.755
8/2/2021 12:35	1785.001	3.871	12.011	18.757
8/2/2021 12:35	1800.001	3.872	11.977	18.755
8/2/2021 12:35	1815.001	3.875	11.992	18.749
8/2/2021 12:36	1830.001	3.876	11.98	18.746
8/2/2021 12:36	1845.001	3.875	11.989	18.747
8/2/2021 12:36	1860.001	3.876	11.995	18.746
8/2/2021 12:36	1875.001	3.875	11.967	18.747
8/2/2021 12:37	1890.001	3.879	11.974	18.74
8/2/2021 12:37	1905.001	3.881	11.972	18.734
8/2/2021 12:37	1920.001	3.879	11.997	18.739
8/2/2021 12:37	1935.001	3.879	11.978	18.738
8/2/2021 12:38	1950.001	3.879	11.969	18.739
8/2/2021 12:38	1965.001	3.88	11.96	18.736
8/2/2021 12:38	1980.001	3.881	11.95	18.734
8/2/2021 12:38	1995.001	3.882	11.965	18.732
8/2/2021 12:39	2010.001	3.883	11.934	18.73
8/2/2021 12:39	2025.001	3.885	11.949	18.726
8/2/2021 12:39	2040.001	3.883	11.951	18.729
8/2/2021 12:39	2055.001	3.885	11.937	18.725
8/2/2021 12:40	2070.001	3.885	11.949	18.724
8/2/2021 12:40	2085.001	3.885	11.945	18.725
8/2/2021 12:40	2100.001	3.885	11.926	18.725
8/2/2021 12:40	2115.001	3.887	11.931	18.72
8/2/2021 12:41	2130.001	3.886	11.926	18.722
8/2/2021 12:41	2145.001	3.888	11.953	18.718
8/2/2021 12:41	2160.001	3.888	11.924	18.718
8/2/2021 12:41	2175.001	3.889	11.928	18.716
8/2/2021 12:42	2190.001	3.891	11.91	18.711
8/2/2021 12:42	2205.001	3.889	11.921	18.716
8/2/2021 12:42	2220.001	3.889	11.898	18.716
8/2/2021 12:42	2235.001	3.891	11.911	18.71
8/2/2021 12:43	2250.001	3.89	11.921	18.714
8/2/2021 12:43	2265.001	3.89	11.901	18.713
8/2/2021 12:43	2280.001	3.893	11.927	18.707
8/2/2021 12:43	2295.001	3.893	11.893	18.706
8/2/2021 12:44	2310.001	3.893	11.908	18.705

8/2/2021 12:44	2325.001	3.894	11.893	18.704
8/2/2021 12:44	2340.001	3.895	11.871	18.703
8/2/2021 12:44	2355.001	3.895	11.879	18.702
8/2/2021 12:45	2370.001	3.895	11.901	18.702
8/2/2021 12:45	2385.001	3.896	11.876	18.7
8/2/2021 12:45	2400.001	3.897	11.876	18.698
8/2/2021 12:45	2415.001	3.894	11.873	18.705
8/2/2021 12:46	2430.001	3.895	11.89	18.701
8/2/2021 12:46	2445.001	3.898	11.864	18.695
8/2/2021 12:46	2460.001	3.899	11.871	18.694
8/2/2021 12:46	2475.001	3.898	11.877	18.695
8/2/2021 12:47	2490.001	3.901	11.846	18.689
8/2/2021 12:47	2505.001	3.9	11.884	18.69
8/2/2021 12:47	2520.001	3.9	11.873	18.69
8/2/2021 12:47	2535.001	3.9	11.85	18.69
8/2/2021 12:48	2550.001	3.9	11.857	18.69
8/2/2021 12:48	2565.001	3.899	11.842	18.693
8/2/2021 12:48	2580.001	3.902	11.843	18.687
8/2/2021 12:48	2595.001	3.901	11.857	18.687
8/2/2021 12:49	2610.001	3.905	11.851	18.68
8/2/2021 12:49	2625.001	3.903	11.824	18.684
8/2/2021 12:49	2640.001	3.902	11.849	18.685
8/2/2021 12:49	2655.001	3.907	11.848	18.674
8/2/2021 12:50	2670.001	3.907	11.856	18.673
8/2/2021 12:50	2685.001	3.907	11.851	18.674
8/2/2021 12:50	2700.001	3.907	11.843	18.674
8/2/2021 12:50	2715.001	3.909	11.826	18.669
8/2/2021 12:51	2730.001	3.908	11.818	18.672
8/2/2021 12:51	2745.001	3.908	11.808	18.672
8/2/2021 12:51	2760.001	3.909	11.829	18.669
8/2/2021 12:51	2775.001	3.906	11.849	18.675
8/2/2021 12:52	2790.001	3.905	11.824	18.678
8/2/2021 12:52	2805.001	3.909	11.821	18.67
8/2/2021 12:52	2820.001	3.908	11.836	18.673
8/2/2021 12:52	2835.001	3.909	11.825	18.669
8/2/2021 12:53	2850.001	3.908	11.81	18.671
8/2/2021 12:53	2865.001	3.909	11.817	18.67
8/2/2021 12:53	2880.001	3.911	11.81	18.665
8/2/2021 12:53	2895.001	3.91	11.818	18.668
8/2/2021 12:54	2910.001	3.912	11.832	18.662
8/2/2021 12:54	2925.001	3.915	11.802	18.656
8/2/2021 12:54	2940.001	3.913	11.802	18.659
8/2/2021 12:54	2955.001	3.916	11.798	18.654
8/2/2021 12:55	2970.001	3.915	11.81	18.656
8/2/2021 12:55	2985.001	3.915	11.788	18.655
8/2/2021 12:55	3000.001	3.916	11.803	18.654
8/2/2021 12:55	3015.001	3.92	11.79	18.643
8/2/2021 12:56	3030.001	3.92	11.807	18.645
8/2/2021 12:56	3045.001	3.919	11.771	18.647
8/2/2021 12:56	3060.001	3.92	11.791	18.644
8/2/2021 12:56	3075.001	3.918	11.766	18.648
8/2/2021 12:57	3090.001	3.918	11.78	18.65
8/2/2021 12:57	3105.001	3.917	11.778	18.65
8/2/2021 12:57	3120.001	3.917	11.77	18.651
8/2/2021 12:57	3135.001	3.92	11.777	18.645
8/2/2021 12:58	3150.001	3.919	11.761	18.647
8/2/2021 12:58	3165.001	3.921	11.766	18.641
8/2/2021 12:58	3180.001	3.92	11.774	18.643

8/2/2021 12:58	3195.001	3.921	11.777	18.641
8/2/2021 12:59	3210.001	3.922	11.737	18.64
8/2/2021 12:59	3225.001	3.92	11.76	18.643
8/2/2021 12:59	3240.001	3.922	11.753	18.638
8/2/2021 12:59	3255.001	3.924	11.739	18.634
8/2/2021 13:00	3270.001	3.923	11.741	18.638
8/2/2021 13:00	3285.001	3.923	11.745	18.637
8/2/2021 13:00	3300.001	3.92	11.735	18.645
8/2/2021 13:00	3315.001	3.923	11.751	18.637
8/2/2021 13:01	3330.001	3.922	11.749	18.638
8/2/2021 13:01	3345.001	3.923	11.731	18.637
8/2/2021 13:01	3360.001	3.923	11.73	18.638
8/2/2021 13:01	3375.001	3.923	11.721	18.637
8/2/2021 13:02	3390.001	3.923	11.729	18.637
8/2/2021 13:02	3405.001	3.922	11.721	18.64
8/2/2021 13:02	3420.001	3.923	11.729	18.636
8/2/2021 13:02	3435.001	3.921	11.718	18.641
8/2/2021 13:03	3450.001	3.924	11.715	18.635
8/2/2021 13:03	3465.001	3.924	11.715	18.635
8/2/2021 13:03	3480.001	3.924	11.705	18.634
8/2/2021 13:03	3495.001	3.925	11.719	18.634
8/2/2021 13:04	3510.001	3.925	11.722	18.633
8/2/2021 13:04	3525.001	3.924	11.726	18.635
8/2/2021 13:04	3540.001	3.926	11.702	18.629
8/2/2021 13:04	3555.001	3.925	11.686	18.632
8/2/2021 13:05	3570.001	3.927	11.689	18.627
8/2/2021 13:05	3585.001	3.925	11.715	18.633
8/2/2021 13:05	3600.001	3.927	11.7	18.628
8/2/2021 13:05	3615.001	3.928	11.705	18.625
8/2/2021 13:06	3630.001	3.926	11.664	18.63
8/2/2021 13:06	3645.001	3.928	11.706	18.625
8/2/2021 13:06	3660.001	3.931	11.721	18.62
8/2/2021 13:06	3675.001	3.928	11.692	18.624
8/2/2021 13:07	3690.001	3.928	11.684	18.627
8/2/2021 13:07	3705.001	3.929	11.682	18.622
8/2/2021 13:07	3720.001	3.931	11.677	18.618
8/2/2021 13:07	3735.001	3.93	11.68	18.621
8/2/2021 13:08	3750.001	3.931	11.681	18.618
8/2/2021 13:08	3765.001	3.931	11.69	18.618
8/2/2021 13:08	3780.001	3.932	11.686	18.617
8/2/2021 13:08	3795.001	3.931	11.678	18.619
8/2/2021 13:09	3810.001	3.931	11.683	18.618
8/2/2021 13:09	3825.001	3.931	11.652	18.618
8/2/2021 13:09	3840.001	3.931	11.681	18.62
8/2/2021 13:09	3855.001	3.933	11.657	18.613
8/2/2021 13:10	3870.001	3.934	11.659	18.613
8/2/2021 13:10	3885.001	3.935	11.661	18.61
8/2/2021 13:10	3900.001	3.934	11.657	18.611
8/2/2021 13:10	3915.001	3.934	11.671	18.611
8/2/2021 13:11	3930.001	3.936	11.67	18.608
8/2/2021 13:11	3945.001	3.933	11.669	18.615
8/2/2021 13:11	3960.001	3.933	11.652	18.613
8/2/2021 13:11	3975.001	3.932	11.642	18.616
8/2/2021 13:12	3990.001	3.932	11.65	18.616
8/2/2021 13:12	4005.001	3.933	11.678	18.613
8/2/2021 13:12	4020.001	3.935	11.654	18.61
8/2/2021 13:12	4035.001	3.934	11.643	18.611
8/2/2021 13:13	4050.001	3.938	11.656	18.602

8/2/2021 13:13	4065.001	3.937	11.63	18.604
8/2/2021 13:13	4080.001	3.936	11.657	18.607
8/2/2021 13:13	4095.001	3.936	11.642	18.608
8/2/2021 13:14	4110.001	3.936	11.636	18.607
8/2/2021 13:14	4125.001	3.938	11.653	18.602
8/2/2021 13:14	4140.001	3.938	11.642	18.603
8/2/2021 13:14	4155.001	3.936	11.624	18.607
8/2/2021 13:15	4170.001	3.937	11.65	18.605
8/2/2021 13:15	4185.001	3.935	11.631	18.609
8/2/2021 13:15	4200.001	3.937	11.631	18.604
8/2/2021 13:15	4215.001	3.936	11.62	18.606
8/2/2021 13:16	4230.001	3.938	11.617	18.603
8/2/2021 13:16	4245.001	3.938	11.637	18.602
8/2/2021 13:16	4260.001	3.939	11.656	18.601
8/2/2021 13:16	4275.001	3.938	11.649	18.603
8/2/2021 13:17	4290.001	3.94	11.639	18.597
8/2/2021 13:17	4305.001	3.938	11.625	18.603
8/2/2021 13:17	4320.001	3.939	11.628	18.601
8/2/2021 13:17	4335.001	3.939	11.621	18.601
8/2/2021 13:18	4350.001	3.939	11.623	18.601
8/2/2021 13:18	4365.001	3.939	11.631	18.601
8/2/2021 13:18	4380.001	3.938	11.628	18.603
8/2/2021 13:18	4395.001	3.94	11.62	18.598
8/2/2021 13:19	4410.001	3.94	11.598	18.598
8/2/2021 13:19	4425.001	3.942	11.64	18.593
8/2/2021 13:19	4440.001	3.94	11.62	18.599
8/2/2021 13:19	4455.001	3.941	11.62	18.595
8/2/2021 13:20	4470.001	3.939	11.598	18.601
8/2/2021 13:20	4485.001	3.942	11.613	18.594
8/2/2021 13:20	4500.001	3.941	11.603	18.595
8/2/2021 13:20	4515.001	3.94	11.611	18.598
8/2/2021 13:21	4530.001	3.94	11.595	18.599
8/2/2021 13:21	4545.001	3.94	11.606	18.597
8/2/2021 13:21	4560.001	3.942	11.582	18.593
8/2/2021 13:21	4575.001	3.941	11.594	18.595
8/2/2021 13:22	4590.001	3.942	11.604	18.593
8/2/2021 13:22	4605.001	3.942	11.596	18.593
8/2/2021 13:22	4620.001	3.943	11.601	18.591
8/2/2021 13:22	4635.001	3.942	11.573	18.594
8/2/2021 13:23	4650.001	3.942	11.592	18.593
8/2/2021 13:23	4665.001	3.942	11.606	18.592
8/2/2021 13:23	4680.001	3.941	11.598	18.595
8/2/2021 13:23	4695.001	3.943	11.601	18.591
8/2/2021 13:24	4710.001	3.943	11.603	18.59
8/2/2021 13:24	4725.001	3.944	11.573	18.589
8/2/2021 13:24	4740.001	3.946	11.581	18.585
8/2/2021 13:24	4755.001	3.943	11.599	18.592
8/2/2021 13:25	4770.001	3.944	11.596	18.588
8/2/2021 13:25	4785.001	3.946	11.591	18.584
8/2/2021 13:25	4800.001	3.945	11.582	18.586
8/2/2021 13:25	4815.001	3.946	11.579	18.584
8/2/2021 13:26	4830.001	3.945	11.579	18.585
8/2/2021 13:26	4845.001	3.943	11.563	18.59
8/2/2021 13:26	4860.001	3.947	11.579	18.582
8/2/2021 13:26	4875.001	3.944	11.578	18.588
8/2/2021 13:27	4890.001	3.945	11.554	18.587
8/2/2021 13:27	4905.001	3.945	11.559	18.587
8/2/2021 13:27	4920.001	3.945	11.547	18.587

8/2/2021 13:27	4935.001	3.944	11.576	18.589
8/2/2021 13:28	4950.001	3.948	11.559	18.58
8/2/2021 13:28	4965.001	3.945	11.583	18.585
8/2/2021 13:28	4980.001	3.947	11.572	18.582
8/2/2021 13:28	4995.001	3.949	11.551	18.578
8/2/2021 13:29	5010.001	3.949	11.553	18.578
8/2/2021 13:29	5025.001	3.948	11.543	18.58
8/2/2021 13:29	5040.001	3.947	11.535	18.583
8/2/2021 13:29	5055.001	3.946	11.575	18.584
8/2/2021 13:30	5070.001	3.948	11.544	18.58
8/2/2021 13:30	5085.001	3.947	11.559	18.582
8/2/2021 13:30	5100.001	3.948	11.548	18.579
8/2/2021 13:30	5115.001	3.946	11.535	18.584
8/2/2021 13:31	5130.001	3.946	11.548	18.585
8/2/2021 13:31	5145.001	3.948	11.539	18.58
8/2/2021 13:31	5160.001	3.948	11.549	18.58
8/2/2021 13:31	5175.001	3.948	11.533	18.579
8/2/2021 13:32	5190.001	3.948	11.53	18.579
8/2/2021 13:32	5205.001	3.949	11.531	18.577
8/2/2021 13:32	5220.001	3.949	11.529	18.576
8/2/2021 13:32	5235.001	3.948	11.532	18.579
8/2/2021 13:33	5250.001	3.95	11.523	18.574
8/2/2021 13:33	5265.001	3.948	11.505	18.579
8/2/2021 13:33	5280.001	3.948	11.537	18.579
8/2/2021 13:33	5295.001	3.95	11.54	18.575
8/2/2021 13:34	5310.001	3.95	11.52	18.576
8/2/2021 13:34	5325.001	3.951	11.507	18.573
8/2/2021 13:34	5340.001	3.95	11.54	18.575
8/2/2021 13:34	5355.001	3.949	11.509	18.577
8/2/2021 13:35	5370.001	3.95	11.539	18.575
8/2/2021 13:35	5385.001	3.95	11.51	18.575
8/2/2021 13:35	5400.001	3.953	11.501	18.568
8/2/2021 13:35	5415.001	3.949	11.531	18.577
8/2/2021 13:36	5430.001	3.949	11.492	18.576
8/2/2021 13:36	5445.001	3.948	11.516	18.579
8/2/2021 13:36	5460.001	3.951	11.522	18.573
8/2/2021 13:36	5475.001	3.95	11.544	18.574
8/2/2021 13:37	5490.001	3.951	11.51	18.572
8/2/2021 13:37	5505.001	3.949	11.502	18.577
8/2/2021 13:37	5520.001	3.95	11.491	18.574
8/2/2021 13:37	5535.001	3.953	11.507	18.569
8/2/2021 13:38	5550.001	3.951	11.498	18.573
8/2/2021 13:38	5565.001	3.95	11.503	18.574
8/2/2021 13:38	5580.001	3.952	11.493	18.571
8/2/2021 13:38	5595.001	3.952	11.473	18.569
8/2/2021 13:39	5610.001	3.951	11.507	18.572
8/2/2021 13:39	5625.001	3.952	11.504	18.571
8/2/2021 13:39	5640.001	3.952	11.493	18.571
8/2/2021 13:39	5655.001	3.951	11.474	18.573
8/2/2021 13:40	5670.001	3.952	11.498	18.57
8/2/2021 13:40	5685.001	3.953	11.494	18.568
8/2/2021 13:40	5700.001	3.953	11.516	18.567
8/2/2021 13:40	5715.001	3.954	11.471	18.566
8/2/2021 13:41	5730.001	3.952	11.489	18.57
8/2/2021 13:41	5745.001	3.954	11.489	18.565
8/2/2021 13:41	5760.001	3.952	11.493	18.57
8/2/2021 13:41	5775.001	3.954	11.464	18.566
8/2/2021 13:42	5790.001	3.953	11.49	18.567

8/2/2021 13:42	5805.001	3.953	11.502	18.569
8/2/2021 13:42	5820.001	3.952	11.479	18.57
8/2/2021 13:42	5835.001	3.952	11.487	18.57
8/2/2021 13:43	5850.001	3.953	11.49	18.567
8/2/2021 13:43	5865.001	3.955	11.493	18.564
8/2/2021 13:43	5880.001	3.956	11.479	18.562
8/2/2021 13:43	5895.001	3.952	11.472	18.57
8/2/2021 13:44	5910.001	3.956	11.481	18.56
8/2/2021 13:44	5925.001	3.957	11.481	18.56
8/2/2021 13:44	5940.001	3.955	11.471	18.564
8/2/2021 13:44	5955.001	3.951	11.452	18.572
8/2/2021 13:45	5970.001	3.957	11.449	18.559
8/2/2021 13:45	5985.001	3.955	11.481	18.564
8/2/2021 13:45	6000.001	3.953	11.452	18.567
8/2/2021 13:45	6015.001	3.955	11.452	18.564
8/2/2021 13:46	6030.001	3.954	11.483	18.565
8/2/2021 13:46	6045.001	3.955	11.453	18.563
8/2/2021 13:46	6060.001	3.955	11.456	18.564
8/2/2021 13:46	6075.001	3.956	11.443	18.562
8/2/2021 13:47	6090.001	3.954	11.463	18.565
8/2/2021 13:47	6105.001	3.956	11.461	18.562
8/2/2021 13:47	6120.001	3.955	11.468	18.564
8/2/2021 13:47	6135.001	3.954	11.457	18.565
8/2/2021 13:48	6150.001	3.955	11.452	18.563
8/2/2021 13:48	6165.001	3.956	11.459	18.562
8/2/2021 13:48	6180.001	3.955	11.424	18.562
8/2/2021 13:48	6195.001	3.957	11.446	18.558
8/2/2021 13:49	6210.001	3.957	11.468	18.559
8/2/2021 13:49	6225.001	3.955	11.445	18.563
8/2/2021 13:49	6240.001	3.955	11.454	18.562
8/2/2021 13:49	6255.001	3.954	11.434	18.566
8/2/2021 13:50	6270.001	3.954	11.438	18.566
8/2/2021 13:50	6285.001	3.958	11.454	18.557
8/2/2021 13:50	6300.001	3.956	11.443	18.56
8/2/2021 13:50	6315.001	3.957	11.442	18.558
8/2/2021 13:51	6330.001	3.956	11.443	18.561
8/2/2021 13:51	6345.001	3.958	11.427	18.556
8/2/2021 13:51	6360.001	3.958	11.431	18.557
8/2/2021 13:51	6375.001	3.958	11.409	18.556
8/2/2021 13:52	6390.001	3.957	11.421	18.558
8/2/2021 13:52	6405.001	3.955	11.447	18.564
8/2/2021 13:52	6420.001	3.958	11.439	18.555
8/2/2021 13:52	6435.001	3.958	11.441	18.555
8/2/2021 13:53	6450.001	3.957	11.421	18.56
8/2/2021 13:53	6465.001	3.957	11.428	18.56
8/2/2021 13:53	6480.001	3.957	11.428	18.56
8/2/2021 13:53	6495.001	3.957	11.429	18.559
8/2/2021 13:54	6510.001	3.957	11.424	18.558
8/2/2021 13:54	6525.001	3.959	11.429	18.554
8/2/2021 13:54	6540.001	3.959	11.433	18.554
8/2/2021 13:54	6555.001	3.96	11.418	18.551
8/2/2021 13:55	6570.001	3.958	11.414	18.556
8/2/2021 13:55	6585.001	3.958	11.419	18.556
8/2/2021 13:55	6600.001	3.958	11.418	18.555
8/2/2021 13:55	6615.001	3.96	11.419	18.551
8/2/2021 13:56	6630.001	3.959	11.414	18.555
8/2/2021 13:56	6645.001	3.959	11.412	18.555
8/2/2021 13:56	6660.001	3.958	11.407	18.555

8/2/2021 13:56	6675.001	3.962	11.409	18.548
8/2/2021 13:57	6690.001	3.958	11.429	18.557
8/2/2021 13:57	6705.001	3.958	11.438	18.556
8/2/2021 13:57	6720.001	3.959	11.41	18.555
8/2/2021 13:57	6735.001	3.959	11.399	18.554
8/2/2021 13:58	6750.001	3.96	11.427	18.552
8/2/2021 13:58	6765.001	3.958	11.407	18.556
8/2/2021 13:58	6780.001	3.958	11.412	18.557
8/2/2021 13:58	6795.001	3.959	11.407	18.555
8/2/2021 13:59	6810.001	3.96	11.421	18.552
8/2/2021 13:59	6825.001	3.959	11.391	18.554
8/2/2021 13:59	6840.001	3.959	11.401	18.555
8/2/2021 13:59	6855.001	3.958	11.399	18.556
8/2/2021 14:00	6870.001	3.962	11.397	18.548
8/2/2021 14:00	6885.001	3.96	11.374	18.552
8/2/2021 14:00	6900.001	3.96	11.414	18.553
8/2/2021 14:00	6915.001	3.958	11.419	18.557
8/2/2021 14:01	6930.001	3.958	11.395	18.555
8/2/2021 14:01	6945.001	3.962	11.402	18.548
8/2/2021 14:01	6960.001	3.96	11.383	18.553
8/2/2021 14:01	6975.001	3.963	11.386	18.545
8/2/2021 14:02	6990.001	3.96	11.424	18.552
8/2/2021 14:02	7005.001	3.959	11.378	18.554
8/2/2021 14:02	7020.001	3.96	11.384	18.552
8/2/2021 14:02	7035.001	3.958	11.391	18.555
8/2/2021 14:03	7050.001	3.959	11.394	18.554
8/2/2021 14:03	7065.001	3.96	11.399	18.552
8/2/2021 14:03	7080.001	3.959	11.385	18.554
8/2/2021 14:03	7095.001	3.959	11.382	18.555
8/2/2021 14:04	7110.001	3.96	11.374	18.552
8/2/2021 14:04	7125.001	3.96	11.413	18.552
8/2/2021 14:04	7140.001	3.96	11.36	18.551
8/2/2021 14:04	7155.001	3.962	11.396	18.547
8/2/2021 14:05	7170.001	3.961	11.396	18.55
8/2/2021 14:05	7185.001	3.962	11.392	18.546
8/2/2021 14:05	7200.001	3.961	11.363	18.55
8/2/2021 14:05	7215.001	3.961	11.385	18.549
8/2/2021 14:06	7230.001	3.961	11.376	18.55
8/2/2021 14:06	7245.001	3.96	11.383	18.551
8/2/2021 14:06	7260.001	3.961	11.412	18.55
8/2/2021 14:06	7275.001	3.962	11.363	18.548
8/2/2021 14:07	7290.001	3.964	11.387	18.543
8/2/2021 14:07	7305.001	3.963	11.378	18.545
8/2/2021 14:07	7320.001	3.963	11.369	18.546
8/2/2021 14:07	7335.001	3.96	11.364	18.552
8/2/2021 14:08	7350.001	3.963	11.385	18.545
8/2/2021 14:08	7365.001	3.962	11.38	18.547
8/2/2021 14:08	7380.001	3.96	11.383	18.552
8/2/2021 14:08	7395.001	3.961	11.369	18.549
8/2/2021 14:09	7410.001	3.961	11.372	18.55
8/2/2021 14:09	7425.001	3.961	11.372	18.55
8/2/2021 14:09	7440.001	3.96	11.375	18.552
8/2/2021 14:09	7455.001	3.963	11.345	18.546
8/2/2021 14:10	7470.001	3.961	11.37	18.55
8/2/2021 14:10	7485.001	3.961	11.374	18.549
8/2/2021 14:10	7500.001	3.964	11.37	18.543
8/2/2021 14:10	7515.001	3.963	11.363	18.545
8/2/2021 14:11	7530.001	3.961	11.366	18.55

8/2/2021 14:11	7545.001	3.963	11.352	18.544
8/2/2021 14:11	7560.001	3.963	11.349	18.544
8/2/2021 14:11	7575.001	3.961	11.373	18.55
8/2/2021 14:12	7590.001	3.962	11.354	18.546
8/2/2021 14:12	7605.001	3.963	11.347	18.546
8/2/2021 14:12	7620.001	3.961	11.363	18.549
8/2/2021 14:12	7635.001	3.962	11.37	18.546
8/2/2021 14:13	7650.001	3.961	11.352	18.549
8/2/2021 14:13	7665.001	3.96	11.361	18.552
8/2/2021 14:13	7680.001	3.963	11.345	18.545
8/2/2021 14:13	7695.001	3.962	11.325	18.547
8/2/2021 14:14	7710.001	3.963	11.335	18.545
8/2/2021 14:14	7725.001	3.961	11.338	18.548
8/2/2021 14:14	7740.001	3.963	11.334	18.544
8/2/2021 14:14	7755.001	3.963	11.335	18.546
8/2/2021 14:15	7770.001	3.962	11.354	18.546
8/2/2021 14:15	7785.001	3.963	11.356	18.545
8/2/2021 14:15	7800.001	3.96	11.358	18.551
8/2/2021 14:15	7815.001	3.964	11.337	18.543
8/2/2021 14:16	7830.001	3.965	11.342	18.541
8/2/2021 14:16	7845.001	3.964	11.321	18.542
8/2/2021 14:16	7860.001	3.961	11.339	18.549
8/2/2021 14:16	7875.001	3.966	11.341	18.539
8/2/2021 14:17	7890.001	3.961	11.337	18.55
8/2/2021 14:17	7905.001	3.964	11.341	18.542
8/2/2021 14:17	7920.001	3.966	11.347	18.539
8/2/2021 14:17	7935.001	3.963	11.344	18.545
8/2/2021 14:18	7950.001	3.963	11.349	18.545
8/2/2021 14:18	7965.001	3.962	11.303	18.548
8/2/2021 14:18	7980.001	3.964	11.319	18.542
8/2/2021 14:18	7995.001	3.964	11.314	18.543
8/2/2021 14:19	8010.001	3.965	11.32	18.541
8/2/2021 14:19	8025.001	3.965	11.334	18.541
8/2/2021 14:19	8040.001	3.964	11.316	18.542
8/2/2021 14:19	8055.001	3.966	11.316	18.538
8/2/2021 14:20	8070.001	3.965	11.313	18.541
8/2/2021 14:20	8085.001	3.963	11.357	18.545
8/2/2021 14:20	8100.001	3.964	11.319	18.544
8/2/2021 14:20	8115.001	3.965	11.319	18.541
8/2/2021 14:21	8130.001	3.966	11.347	18.538
8/2/2021 14:21	8145.001	3.965	11.313	18.541
8/2/2021 14:21	8160.001	3.964	11.317	18.542
8/2/2021 14:21	8175.001	3.963	11.327	18.545
8/2/2021 14:22	8190.001	3.965	11.331	18.54
8/2/2021 14:22	8205.001	3.964	11.307	18.542
8/2/2021 14:22	8220.001	3.966	11.323	18.539
8/2/2021 14:22	8235.001	3.964	11.322	18.543
8/2/2021 14:23	8250.001	3.964	11.313	18.542
8/2/2021 14:23	8265.001	3.963	11.333	18.545
8/2/2021 14:23	8280.001	3.963	11.347	18.546
8/2/2021 14:23	8295.001	3.963	11.336	18.545
8/2/2021 14:24	8310.001	3.964	11.335	18.543
8/2/2021 14:24	8325.001	3.964	11.298	18.543
8/2/2021 14:24	8340.001	3.964	11.305	18.543
8/2/2021 14:24	8355.001	3.964	11.322	18.542
8/2/2021 14:25	8370.001	3.965	11.313	18.539
8/2/2021 14:25	8385.001	3.965	11.323	18.541
8/2/2021 14:25	8400.001	3.965	11.308	18.539

8/2/2021 14:25	8415.001	3.965	11.306	18.541
8/2/2021 14:26	8430.001	3.969	11.301	18.531
8/2/2021 14:26	8445.001	3.964	11.313	18.542
8/2/2021 14:26	8460.001	3.966	11.294	18.538
8/2/2021 14:26	8475.001	3.964	11.308	18.542
8/2/2021 14:27	8490.001	3.963	11.304	18.544
8/2/2021 14:27	8505.001	3.965	11.327	18.539
8/2/2021 14:27	8520.001	3.963	11.311	18.544
8/2/2021 14:27	8535.001	3.964	11.283	18.542
8/2/2021 14:28	8550.001	3.964	11.315	18.544
8/2/2021 14:28	8565.001	3.963	11.282	18.546
8/2/2021 14:28	8580.001	3.966	11.303	18.539
8/2/2021 14:28	8595.001	3.966	11.289	18.538
8/2/2021 14:29	8610.001	3.965	11.286	18.541
8/2/2021 14:29	8625.001	3.966	11.271	18.538
8/2/2021 14:29	8640.001	3.965	11.314	18.54
8/2/2021 14:29	8655.001	3.963	11.284	18.544
8/2/2021 14:30	8670.001	3.965	11.264	18.54
8/2/2021 14:30	8685.001	3.964	11.302	18.543
8/2/2021 14:30	8700.001	3.964	11.289	18.542
8/2/2021 14:30	8715.001	3.964	11.305	18.543
8/2/2021 14:31	8730.001	3.966	11.289	18.538
8/2/2021 14:31	8745.001	3.964	11.311	18.541
8/2/2021 14:31	8760.001	3.965	11.305	18.541
8/2/2021 14:31	8775.001	3.965	11.277	18.539
8/2/2021 14:32	8790.001	3.965	11.32	18.54
8/2/2021 14:32	8805.001	3.966	11.301	18.539
8/2/2021 14:32	8820.001	3.966	11.297	18.537
8/2/2021 14:32	8835.001	3.964	11.271	18.543
8/2/2021 14:33	8850.001	3.965	11.287	18.541
8/2/2021 14:33	8865.001	3.966	11.244	18.537
8/2/2021 14:33	8880.001	3.965	11.272	18.54
8/2/2021 14:33	8895.001	3.969	11.293	18.531
8/2/2021 14:34	8910.001	3.965	11.306	18.54
8/2/2021 14:34	8925.001	3.969	11.285	18.531
8/2/2021 14:34	8940.001	3.967	11.264	18.537
8/2/2021 14:34	8955.001	3.968	11.273	18.534
8/2/2021 14:35	8970.001	3.966	11.293	18.537
8/2/2021 14:35	8985.001	3.965	11.301	18.54
8/2/2021 14:35	9000.001	3.965	11.284	18.54
8/2/2021 14:35	9015.001	3.965	11.286	18.539
8/2/2021 14:36	9030.001	3.966	11.272	18.538
8/2/2021 14:36	9045.001	3.964	11.285	18.543
8/2/2021 14:36	9060.001	3.966	11.28	18.538
8/2/2021 14:36	9075.001	3.965	11.3	18.541
8/2/2021 14:37	9090.001	3.966	11.276	18.537
8/2/2021 14:37	9105.001	3.966	11.264	18.538
8/2/2021 14:37	9120.001	3.965	11.282	18.539
8/2/2021 14:37	9135.001	3.964	11.287	18.543
8/2/2021 14:38	9150.001	3.966	11.277	18.539
8/2/2021 14:38	9165.001	3.967	11.27	18.536
8/2/2021 14:38	9180.001	3.966	11.253	18.539
8/2/2021 14:38	9195.001	3.965	11.27	18.54
8/2/2021 14:39	9210.001	3.967	11.262	18.537
8/2/2021 14:39	9225.001	3.966	11.248	18.538
8/2/2021 14:39	9240.001	3.968	11.261	18.534
8/2/2021 14:39	9255.001	3.967	11.255	18.536
8/2/2021 14:40	9270.001	3.967	11.276	18.535

8/2/2021 14:40	9285.001	3.967	11.261	18.537
8/2/2021 14:40	9300.001	3.965	11.261	18.54
8/2/2021 14:40	9315.001	3.968	11.275	18.534
8/2/2021 14:41	9330.001	3.965	11.261	18.54
8/2/2021 14:41	9345.001	3.967	11.26	18.535
8/2/2021 14:41	9360.001	3.968	11.243	18.534
8/2/2021 14:41	9375.001	3.968	11.269	18.533
8/2/2021 14:42	9390.001	3.966	11.256	18.538
8/2/2021 14:42	9405.001	3.967	11.262	18.536
8/2/2021 14:42	9420.001	3.968	11.254	18.533
8/2/2021 14:42	9435.001	3.965	11.264	18.541
8/2/2021 14:43	9450.001	3.966	11.253	18.537
8/2/2021 14:43	9465.001	3.966	11.252	18.537
8/2/2021 14:43	9480.001	3.965	11.244	18.54
8/2/2021 14:43	9495.001	3.967	11.239	18.537
8/2/2021 14:44	9510.001	3.967	11.239	18.536
8/2/2021 14:44	9525.001	3.965	11.219	18.54
8/2/2021 14:44	9540.001	3.965	11.247	18.54
8/2/2021 14:44	9555.001	3.966	11.261	18.539
8/2/2021 14:45	9570.001	3.967	11.227	18.536
8/2/2021 14:45	9585.001	3.966	11.237	18.537
8/2/2021 14:45	9600.001	3.967	11.253	18.536
8/2/2021 14:45	9615.001	3.967	11.235	18.536
8/2/2021 14:46	9630.001	3.967	11.234	18.536
8/2/2021 14:46	9645.001	3.967	11.253	18.536
8/2/2021 14:46	9660.001	3.968	11.228	18.533
8/2/2021 14:46	9675.001	3.967	11.23	18.535
8/2/2021 14:47	9690.001	3.965	11.252	18.54
8/2/2021 14:47	9705.001	3.967	11.246	18.536
8/2/2021 14:47	9720.001	3.966	11.229	18.538
8/2/2021 14:47	9735.001	3.969	11.239	18.531
8/2/2021 14:48	9750.001	3.967	11.224	18.537
8/2/2021 14:48	9765.001	3.966	11.256	18.537
8/2/2021 14:48	9780.001	3.967	11.233	18.536
8/2/2021 14:48	9795.001	3.966	11.244	18.537
8/2/2021 14:49	9810.001	3.967	11.217	18.536
8/2/2021 14:49	9825.001	3.967	11.236	18.536
8/2/2021 14:49	9840.001	3.967	11.241	18.536
8/2/2021 14:49	9855.001	3.969	11.236	18.532
8/2/2021 14:50	9870.001	3.966	11.244	18.539
8/2/2021 14:50	9885.001	3.965	11.244	18.539
8/2/2021 14:50	9900.001	3.967	11.192	18.536
8/2/2021 14:50	9915.001	3.966	11.253	18.537
8/2/2021 14:51	9930.001	3.967	11.244	18.535
8/2/2021 14:51	9945.001	3.968	11.251	18.534
8/2/2021 14:51	9960.001	3.968	11.238	18.533
8/2/2021 14:51	9975.001	3.966	11.209	18.538
8/2/2021 14:52	9990.001	3.966	11.23	18.539
8/2/2021 14:52	10005.001	3.966	11.23	18.537
8/2/2021 14:52	10020.001	3.968	11.23	18.534
8/2/2021 14:52	10035.001	3.969	11.233	18.53
8/2/2021 14:53	10050.001	3.968	11.221	18.533
8/2/2021 14:53	10065.001	3.967	11.225	18.535
8/2/2021 14:53	10080.001	3.966	11.247	18.538
8/2/2021 14:53	10095.001	3.967	11.211	18.536
8/2/2021 14:54	10110.001	3.968	11.223	18.534
8/2/2021 14:54	10125.001	3.967	11.227	18.537
8/2/2021 14:54	10140.001	3.966	11.245	18.538

8/2/2021 14:54	10155.001	3.968	11.208	18.533
8/2/2021 14:55	10170.001	3.967	11.21	18.536
8/2/2021 14:55	10185.001	3.967	11.206	18.535
8/2/2021 14:55	10200.001	3.967	11.225	18.537
8/2/2021 14:55	10215.001	3.968	11.22	18.533
8/2/2021 14:56	10230.001	3.969	11.208	18.532
8/2/2021 14:56	10245.001	3.967	11.2	18.535
8/2/2021 14:56	10260.001	3.969	11.222	18.531
8/2/2021 14:56	10275.001	3.968	11.228	18.533
8/2/2021 14:57	10290.001	3.967	11.224	18.535
8/2/2021 14:57	10305.001	3.969	11.199	18.531
8/2/2021 14:57	10320.001	3.967	11.2	18.537
8/2/2021 14:57	10335.001	3.967	11.227	18.535
8/2/2021 14:58	10350.001	3.967	11.212	18.536
8/2/2021 14:58	10365.001	3.965	11.214	18.539
8/2/2021 14:58	10380.001	3.969	11.221	18.532
8/2/2021 14:58	10395.001	3.966	11.225	18.537
8/2/2021 14:59	10410.001	3.968	11.208	18.533
8/2/2021 14:59	10425.001	3.964	11.203	18.542
8/2/2021 14:59	10440.001	3.966	11.208	18.538
8/2/2021 14:59	10455.001	3.967	11.219	18.537
8/2/2021 15:00	10470.001	3.968	11.228	18.534
8/2/2021 15:00	10485.001	3.968	11.204	18.534
8/2/2021 15:00	10500.001	3.967	11.237	18.536
8/2/2021 15:00	10515.001	3.968	11.204	18.533
8/2/2021 15:01	10530.001	3.967	11.214	18.536
8/2/2021 15:01	10545.001	3.968	11.204	18.532
8/2/2021 15:01	10560.001	3.967	11.198	18.535
8/2/2021 15:01	10575.001	3.968	11.2	18.534
8/2/2021 15:02	10590.001	3.968	11.194	18.534
8/2/2021 15:02	10605.001	3.967	11.222	18.536
8/2/2021 15:02	10620.001	3.966	11.225	18.537
8/2/2021 15:02	10635.001	3.968	11.222	18.534
8/2/2021 15:03	10650.001	3.967	11.19	18.536
8/2/2021 15:03	10665.001	3.969	11.222	18.531
8/2/2021 15:03	10680.001	3.969	11.225	18.531
8/2/2021 15:03	10695.001	3.969	11.197	18.53
8/2/2021 15:04	10710.001	3.967	11.206	18.535
8/2/2021 15:04	10725.001	3.967	11.173	18.535
8/2/2021 15:04	10740.001	3.967	11.196	18.537
8/2/2021 15:04	10755.001	3.966	11.198	18.537
8/2/2021 15:05	10770.001	3.968	11.198	18.534
8/2/2021 15:05	10785.001	3.967	11.2	18.536
8/2/2021 15:05	10800.001	3.968	11.204	18.534
8/2/2021 15:05	10815.001	3.967	11.186	18.536
8/2/2021 15:06	10830.001	3.968	11.203	18.533
8/2/2021 15:06	10845.001	3.969	11.209	18.532
8/2/2021 15:06	10860.001	3.97	11.188	18.53
8/2/2021 15:06	10875.001	3.968	11.221	18.534
8/2/2021 15:07	10890.001	3.971	11.189	18.527
8/2/2021 15:07	10905.001	3.969	11.197	18.531
8/2/2021 15:07	10920.001	3.968	11.206	18.532
8/2/2021 15:07	10935.001	3.967	11.191	18.535
8/2/2021 15:08	10950.001	3.968	11.188	18.534
8/2/2021 15:08	10965.001	3.966	11.196	18.537
8/2/2021 15:08	10980.001	3.968	11.205	18.533
8/2/2021 15:08	10995.001	3.968	11.196	18.534
8/2/2021 15:09	11010.001	3.966	11.206	18.538

8/2/2021 15:09	11025.001	3.967	11.202	18.535
8/2/2021 15:09	11040.001	3.968	11.203	18.533
8/2/2021 15:09	11055.001	3.969	11.183	18.531
8/2/2021 15:10	11070.001	3.966	11.189	18.538
8/2/2021 15:10	11085.001	3.965	11.171	18.539
8/2/2021 15:10	11100.001	3.966	11.199	18.539
8/2/2021 15:10	11115.001	3.967	11.216	18.536
8/2/2021 15:11	11130.001	3.968	11.175	18.534
8/2/2021 15:11	11145.001	3.966	11.183	18.538
8/2/2021 15:11	11160.001	3.966	11.192	18.538
8/2/2021 15:11	11175.001	3.967	11.196	18.536
8/2/2021 15:12	11190.001	3.971	11.194	18.527
8/2/2021 15:12	11205.001	3.968	11.178	18.533
8/2/2021 15:12	11220.001	3.968	11.184	18.534
8/2/2021 15:12	11235.001	3.966	11.204	18.537
8/2/2021 15:13	11250.001	3.969	11.188	18.532
8/2/2021 15:13	11265.001	3.969	11.194	18.531
8/2/2021 15:13	11280.001	3.967	11.186	18.536
8/2/2021 15:13	11295.001	3.97	11.18	18.53
8/2/2021 15:14	11310.001	3.968	11.182	18.533
8/2/2021 15:14	11325.001	3.967	11.192	18.535
8/2/2021 15:14	11340.001	3.968	11.185	18.532
8/2/2021 15:14	11355.001	3.965	11.166	18.539
8/2/2021 15:15	11370.001	3.968	11.171	18.534
8/2/2021 15:15	11385.001	3.967	11.168	18.535
8/2/2021 15:15	11400.001	3.966	11.181	18.537
8/2/2021 15:15	11415.001	3.968	11.185	18.532
8/2/2021 15:16	11430.001	3.967	11.165	18.535
8/2/2021 15:16	11445.001	3.97	11.158	18.529
8/2/2021 15:16	11460.001	3.967	11.163	18.536
8/2/2021 15:16	11475.001	3.966	11.179	18.537
8/2/2021 15:17	11490.001	3.969	11.181	18.531
8/2/2021 15:17	11505.001	3.969	11.165	18.532
8/2/2021 15:17	11520.001	3.971	11.175	18.527
8/2/2021 15:17	11535.001	3.971	11.166	18.527
8/2/2021 15:18	11550.001	3.967	11.163	18.535
8/2/2021 15:18	11565.001	3.97	11.156	18.529
8/2/2021 15:18	11580.001	3.966	11.163	18.537
8/2/2021 15:18	11595.001	3.968	11.185	18.534
8/2/2021 15:19	11610.001	3.968	11.187	18.534
8/2/2021 15:19	11625.001	3.97	11.18	18.529
8/2/2021 15:19	11640.001	3.969	11.178	18.531
8/2/2021 15:19	11655.001	3.97	11.179	18.528
8/2/2021 15:20	11670.001	3.969	11.166	18.53
8/2/2021 15:20	11685.001	3.966	11.161	18.538
8/2/2021 15:20	11700.001	3.97	11.169	18.529
8/2/2021 15:20	11715.001	3.969	11.164	18.531
8/2/2021 15:21	11730.001	3.967	11.173	18.535
8/2/2021 15:21	11745.001	3.97	11.18	18.528
8/2/2021 15:21	11760.001	3.968	11.195	18.533
8/2/2021 15:21	11775.001	3.968	11.172	18.533
8/2/2021 15:22	11790.001	3.969	11.169	18.531
8/2/2021 15:22	11805.001	3.969	11.169	18.531
8/2/2021 15:22	11820.001	3.969	11.151	18.53
8/2/2021 15:22	11835.001	3.968	11.161	18.532
8/2/2021 15:23	11850.001	3.969	11.177	18.53
8/2/2021 15:23	11865.001	3.968	11.161	18.534
8/2/2021 15:23	11880.001	3.969	11.183	18.532

8/2/2021 15:23	11895.001	3.969	11.156	18.53
8/2/2021 15:24	11910.001	3.97	11.15	18.53
8/2/2021 15:24	11925.001	3.968	11.143	18.534
8/2/2021 15:24	11940.001	3.967	11.16	18.536
8/2/2021 15:24	11955.001	3.968	11.16	18.532
8/2/2021 15:25	11970.001	3.968	11.119	18.534
8/2/2021 15:25	11985.001	3.968	11.153	18.532
8/2/2021 15:25	12000.001	3.968	11.164	18.532
8/2/2021 15:25	12015.001	3.966	11.151	18.539
8/2/2021 15:26	12030.001	3.97	11.155	18.529
8/2/2021 15:26	12045.001	3.97	11.148	18.528
8/2/2021 15:26	12060.001	3.968	11.156	18.533
8/2/2021 15:26	12075.001	3.967	11.161	18.535
8/2/2021 15:27	12090.001	3.968	11.15	18.534
8/2/2021 15:27	12105.001	3.968	11.143	18.534
8/2/2021 15:27	12120.001	3.969	11.156	18.531
8/2/2021 15:27	12135.001	3.967	11.154	18.535
8/2/2021 15:28	12150.001	3.969	11.175	18.53
8/2/2021 15:28	12165.001	3.97	11.146	18.53
8/2/2021 15:28	12180.001	3.967	11.162	18.535
8/2/2021 15:28	12195.001	3.965	11.142	18.539
8/2/2021 15:29	12210.001	3.968	11.162	18.532
8/2/2021 15:29	12225.001	3.97	11.15	18.529
8/2/2021 15:29	12240.001	3.969	11.141	18.531
8/2/2021 15:29	12255.001	3.97	11.154	18.529
8/2/2021 15:30	12270.001	3.97	11.153	18.529
8/2/2021 15:30	12285.001	3.968	11.15	18.534
8/2/2021 15:30	12300.001	3.968	11.15	18.534
8/2/2021 15:30	12315.001	3.969	11.145	18.532
8/2/2021 15:31	12330.001	3.968	11.141	18.534
8/2/2021 15:31	12345.001	3.968	11.145	18.533
8/2/2021 15:31	12360.001	3.968	11.156	18.533
8/2/2021 15:31	12375.001	3.971	11.156	18.527
8/2/2021 15:32	12390.001	3.969	11.123	18.531
8/2/2021 15:32	12405.001	3.97	11.139	18.528
8/2/2021 15:32	12420.001	3.968	11.153	18.533
8/2/2021 15:32	12435.001	3.968	11.136	18.534
8/2/2021 15:33	12450.001	3.971	11.144	18.527
8/2/2021 15:33	12465.001	3.968	11.131	18.534
8/2/2021 15:33	12480.001	3.969	11.126	18.532
8/2/2021 15:33	12495.001	3.969	11.153	18.532
8/2/2021 15:34	12510.001	3.968	11.136	18.533
8/2/2021 15:34	12525.001	3.97	11.123	18.529
8/2/2021 15:34	12540.001	3.969	11.128	18.531
8/2/2021 15:34	12555.001	3.97	11.122	18.529
8/2/2021 15:35	12570.001	3.968	11.139	18.533
8/2/2021 15:35	12585.001	3.97	11.137	18.528
8/2/2021 15:35	12600.001	3.969	11.141	18.531
8/2/2021 15:35	12615.001	3.967	11.15	18.535
8/2/2021 15:36	12630.001	3.966	11.133	18.538
8/2/2021 15:36	12645.001	3.969	11.136	18.531
8/2/2021 15:36	12660.001	3.969	11.145	18.53
8/2/2021 15:36	12675.001	3.969	11.139	18.53
8/2/2021 15:37	12690.001	3.969	11.094	18.531
8/2/2021 15:37	12705.001	3.969	11.172	18.53
8/2/2021 15:37	12720.001	3.97	11.129	18.53
8/2/2021 15:37	12735.001	3.969	11.144	18.531
8/2/2021 15:38	12750.001	3.969	11.122	18.531

8/2/2021 15:38	12765.001	3.968	11.14	18.533
8/2/2021 15:38	12780.001	3.969	11.135	18.531
8/2/2021 15:38	12795.001	3.969	11.118	18.531
8/2/2021 15:39	12810.001	3.969	11.128	18.532
8/2/2021 15:39	12825.001	3.97	11.12	18.529
8/2/2021 15:39	12840.001	3.972	11.129	18.525
8/2/2021 15:39	12855.001	3.969	11.142	18.531
8/2/2021 15:40	12870.001	3.968	11.145	18.533
8/2/2021 15:40	12885.001	3.968	11.141	18.534
8/2/2021 15:40	12900.001	3.969	11.139	18.531
8/2/2021 15:40	12915.001	3.969	11.102	18.53
8/2/2021 15:41	12930.001	3.967	11.12	18.535
8/2/2021 15:41	12945.001	3.97	11.123	18.529
8/2/2021 15:41	12960.001	3.968	11.125	18.533
8/2/2021 15:41	12975.001	3.968	11.12	18.533
8/2/2021 15:42	12990.001	3.971	11.124	18.527
8/2/2021 15:42	13005.001	3.967	11.095	18.535
8/2/2021 15:42	13020.001	3.968	11.126	18.533
8/2/2021 15:42	13035.001	3.969	11.131	18.532
8/2/2021 15:43	13050.001	3.97	11.119	18.528
8/2/2021 15:43	13065.001	3.971	11.144	18.527
8/2/2021 15:43	13080.001	3.969	11.108	18.531
8/2/2021 15:43	13095.001	3.968	11.151	18.534
8/2/2021 15:44	13110.001	3.971	11.139	18.527
8/2/2021 15:44	13125.001	3.967	11.117	18.534
8/2/2021 15:44	13140.001	3.968	11.104	18.534
8/2/2021 15:44	13155.001	3.97	11.15	18.528
8/2/2021 15:45	13170.001	3.969	11.128	18.53
8/2/2021 15:45	13185.001	3.967	11.133	18.534
8/2/2021 15:45	13200.001	3.969	11.123	18.532
8/2/2021 15:45	13215.001	3.968	11.131	18.533
8/2/2021 15:46	13230.001	3.969	11.126	18.531
8/2/2021 15:46	13245.001	3.968	11.12	18.533
8/2/2021 15:46	13260.001	3.971	11.125	18.527
8/2/2021 15:46	13275.001	3.969	11.11	18.532
8/2/2021 15:47	13290.001	3.969	11.116	18.531
8/2/2021 15:47	13305.001	3.969	11.133	18.53
8/2/2021 15:47	13320.001	3.968	11.122	18.534
8/2/2021 15:47	13335.001	3.97	11.136	18.529
8/2/2021 15:48	13350.001	3.968	11.139	18.533
8/2/2021 15:48	13365.001	3.97	11.109	18.529
8/2/2021 15:48	13380.001	3.971	11.106	18.527
8/2/2021 15:48	13395.001	3.968	11.104	18.534
8/2/2021 15:49	13410.001	3.971	11.116	18.525
8/2/2021 15:49	13425.001	3.969	11.122	18.531
8/2/2021 15:49	13440.001	3.967	11.118	18.534
8/2/2021 15:49	13455.001	3.969	11.125	18.53
8/2/2021 15:50	13470.001	3.968	11.109	18.534
8/2/2021 15:50	13485.001	3.969	11.132	18.531
8/2/2021 15:50	13500.001	3.969	11.103	18.531
8/2/2021 15:50	13515.001	3.971	11.108	18.526
8/2/2021 15:51	13530.001	3.97	11.124	18.529
8/2/2021 15:51	13545.001	3.969	11.12	18.531
8/2/2021 15:51	13560.001	3.97	11.103	18.529
8/2/2021 15:51	13575.001	3.973	11.103	18.521
8/2/2021 15:52	13590.001	3.971	11.117	18.526
8/2/2021 15:52	13605.001	3.969	11.115	18.531
8/2/2021 15:52	13620.001	3.971	11.106	18.527

8/2/2021 15:52	13635.001	3.97	11.113	18.529
8/2/2021 15:53	13650.001	3.967	11.106	18.536
8/2/2021 15:53	13665.001	3.971	11.111	18.527
8/2/2021 15:53	13680.001	3.968	11.11	18.533
8/2/2021 15:53	13695.001	3.969	11.128	18.532
8/2/2021 15:54	13710.001	3.968	11.114	18.532
8/2/2021 15:54	13725.001	3.969	11.131	18.531
8/2/2021 15:54	13740.001	3.967	11.117	18.536
8/2/2021 15:54	13755.001	3.969	11.098	18.532
8/2/2021 15:55	13770.001	3.969	11.112	18.532
8/2/2021 15:55	13785.001	3.969	11.098	18.531
8/2/2021 15:55	13800.001	3.969	11.098	18.532
8/2/2021 15:55	13815.001	3.97	11.114	18.528
8/2/2021 15:56	13830.001	3.969	11.106	18.53
8/2/2021 15:56	13845.001	3.969	11.117	18.531
8/2/2021 15:56	13860.001	3.969	11.095	18.53
8/2/2021 15:56	13875.001	3.969	11.121	18.53
8/2/2021 15:57	13890.001	3.971	11.111	18.527
8/2/2021 15:57	13905.001	3.969	11.131	18.531
8/2/2021 15:57	13920.001	3.972	11.112	18.525
8/2/2021 15:57	13935.001	3.969	11.12	18.531
8/2/2021 15:58	13950.001	3.968	11.1	18.534
8/2/2021 15:58	13965.001	3.97	11.126	18.53
8/2/2021 15:58	13980.001	3.969	11.098	18.53
8/2/2021 15:58	13995.001	3.968	11.095	18.533
8/2/2021 15:59	14010.001	3.969	11.119	18.531
8/2/2021 15:59	14025.001	3.969	11.091	18.53
8/2/2021 15:59	14040.001	3.969	11.1	18.532
8/2/2021 15:59	14055.001	3.969	11.078	18.531
8/2/2021 16:00	14070.001	3.971	11.095	18.526
8/2/2021 16:00	14085.001	3.969	11.098	18.53
8/2/2021 16:00	14100.001	3.968	11.094	18.533
8/2/2021 16:00	14115.001	3.968	11.081	18.532
8/2/2021 16:01	14130.001	3.97	11.092	18.529
8/2/2021 16:01	14145.001	3.968	11.075	18.532
8/2/2021 16:01	14160.001	3.971	11.08	18.527
8/2/2021 16:01	14175.001	3.97	11.074	18.528
8/2/2021 16:02	14190.001	3.969	11.12	18.53
8/2/2021 16:02	14205.001	3.969	11.094	18.531
8/2/2021 16:02	14220.001	3.968	11.098	18.534
8/2/2021 16:02	14235.001	3.971	11.098	18.526
8/2/2021 16:03	14250.001	3.97	11.096	18.53
8/2/2021 16:03	14265.001	3.969	11.089	18.531
8/2/2021 16:03	14280.001	3.967	11.078	18.534
8/2/2021 16:03	14295.001	3.97	11.111	18.528
8/2/2021 16:04	14310.001	3.97	11.114	18.528
8/2/2021 16:04	14325.001	3.971	11.089	18.526
8/2/2021 16:04	14340.001	3.971	11.093	18.527
8/2/2021 16:04	14355.001	3.97	11.113	18.528
8/2/2021 16:05	14370.001	3.969	11.103	18.531
8/2/2021 16:05	14385.001	3.968	11.077	18.534
8/2/2021 16:05	14400.001	3.969	11.084	18.53
8/2/2021 16:05	14415.001	3.97	11.069	18.529
8/2/2021 16:06	14430.001	3.968	11.098	18.533
8/2/2021 16:06	14445.001	3.969	11.113	18.531
8/2/2021 16:06	14460.001	3.97	11.097	18.528
8/2/2021 16:06	14475.001	3.969	11.096	18.531
8/2/2021 16:07	14490.001	3.969	11.084	18.532

8/2/2021 16:07	14505.001	3.97	11.092	18.53
8/2/2021 16:07	14520.001	3.969	11.1	18.53
8/2/2021 16:07	14535.001	3.967	11.103	18.535
8/2/2021 16:08	14550.001	3.968	11.065	18.533
8/2/2021 16:08	14565.001	3.97	11.095	18.53
8/2/2021 16:08	14580.001	3.968	11.094	18.534
8/2/2021 16:08	14595.001	3.97	11.086	18.529
8/2/2021 16:09	14610.001	3.968	11.085	18.533
8/2/2021 16:09	14625.001	3.968	11.107	18.533
8/2/2021 16:09	14640.001	3.968	11.07	18.532
8/2/2021 16:09	14655.001	3.968	11.089	18.534
8/2/2021 16:10	14670.001	3.97	11.07	18.53
8/2/2021 16:10	14685.001	3.97	11.077	18.529
8/2/2021 16:10	14700.001	3.968	11.087	18.533
8/2/2021 16:10	14715.001	3.969	11.081	18.531
8/2/2021 16:11	14730.001	3.971	11.067	18.527
8/2/2021 16:11	14745.001	3.972	11.085	18.525
8/2/2021 16:11	14760.001	3.97	11.076	18.528
8/2/2021 16:11	14775.001	3.97	11.072	18.529
8/2/2021 16:12	14790.001	3.969	11.084	18.531
8/2/2021 16:12	14805.001	3.969	11.084	18.532
8/2/2021 16:12	14820.001	3.969	11.084	18.531
8/2/2021 16:12	14835.001	3.971	11.089	18.526
8/2/2021 16:13	14850.001	3.969	11.1	18.531
8/2/2021 16:13	14865.001	3.97	11.086	18.529
8/2/2021 16:13	14880.001	3.97	11.07	18.53
8/2/2021 16:13	14895.001	3.97	11.087	18.53
8/2/2021 16:14	14910.001	3.969	11.086	18.53
8/2/2021 16:14	14925.001	3.97	11.078	18.528
8/2/2021 16:14	14940.001	3.972	11.059	18.523
8/2/2021 16:14	14955.001	3.97	11.111	18.528
8/2/2021 16:15	14970.001	3.97	11.062	18.528
8/2/2021 16:15	14985.001	3.969	11.096	18.53
8/2/2021 16:15	15000.001	3.97	11.075	18.53
8/2/2021 16:15	15015.001	3.968	11.067	18.533
8/2/2021 16:16	15030.001	3.969	11.068	18.53
8/2/2021 16:16	15045.001	3.967	11.093	18.535
8/2/2021 16:16	15060.001	3.971	11.069	18.526
8/2/2021 16:16	15075.001	3.97	11.078	18.528
8/2/2021 16:17	15090.001	3.97	11.097	18.529
8/2/2021 16:17	15105.001	3.969	11.067	18.53
8/2/2021 16:17	15120.001	3.968	11.087	18.534
8/2/2021 16:17	15135.001	3.968	11.071	18.532
8/2/2021 16:18	15150.001	3.971	11.079	18.525
8/2/2021 16:18	15165.001	3.968	11.081	18.533
8/2/2021 16:18	15180.001	3.971	11.062	18.527
8/2/2021 16:18	15195.001	3.97	11.081	18.53
8/2/2021 16:19	15210.001	3.97	11.075	18.53
8/2/2021 16:19	15225.001	3.969	11.071	18.531
8/2/2021 16:19	15240.001	3.968	11.07	18.533
8/2/2021 16:19	15255.001	3.969	11.07	18.532
8/2/2021 16:20	15270.001	3.971	11.064	18.526
8/2/2021 16:20	15285.001	3.969	11.087	18.53
8/2/2021 16:20	15300.001	3.972	11.086	18.525
8/2/2021 16:20	15315.001	3.968	11.078	18.534
8/2/2021 16:21	15330.001	3.969	11.084	18.531
8/2/2021 16:21	15345.001	3.966	11.088	18.537
8/2/2021 16:21	15360.001	3.969	11.088	18.531

8/2/2021 16:21	15375.001	3.973	11.07	18.522
8/2/2021 16:22	15390.001	3.968	11.082	18.532
8/2/2021 16:22	15405.001	3.969	11.098	18.531
8/2/2021 16:22	15420.001	3.971	11.072	18.527
8/2/2021 16:22	15435.001	3.97	11.078	18.529
8/2/2021 16:23	15450.001	3.968	11.071	18.533
8/2/2021 16:23	15465.001	3.971	11.089	18.527
8/2/2021 16:23	15480.001	3.969	11.059	18.532
8/2/2021 16:23	15495.001	3.969	11.085	18.531
8/2/2021 16:24	15510.001	3.969	11.07	18.531
8/2/2021 16:24	15525.001	3.97	11.059	18.529
8/2/2021 16:24	15540.001	3.967	11.052	18.536
8/2/2021 16:24	15555.001	3.972	11.081	18.525
8/2/2021 16:25	15570.001	3.973	11.049	18.521
8/2/2021 16:25	15585.001	3.971	11.069	18.527
8/2/2021 16:25	15600.001	3.969	11.065	18.531
8/2/2021 16:25	15615.001	3.969	11.059	18.531
8/2/2021 16:26	15630.001	3.97	11.055	18.528
8/2/2021 16:26	15645.001	3.969	11.07	18.532
8/2/2021 16:26	15660.001	3.968	11.045	18.532
8/2/2021 16:26	15675.001	3.969	11.074	18.531
8/2/2021 16:27	15690.001	3.97	11.068	18.53
8/2/2021 16:27	15705.001	3.969	11.056	18.531
8/2/2021 16:27	15720.001	3.97	11.06	18.53
8/2/2021 16:27	15735.001	3.969	11.058	18.531
8/2/2021 16:28	15750.001	3.97	11.062	18.528
8/2/2021 16:28	15765.001	3.969	11.027	18.531
8/2/2021 16:28	15780.001	3.972	11.064	18.524
8/2/2021 16:28	15795.001	3.972	11.053	18.524
8/2/2021 16:29	15810.001	3.969	11.072	18.531
8/2/2021 16:29	15825.001	3.971	11.064	18.526
8/2/2021 16:29	15840.001	3.971	11.042	18.526
8/2/2021 16:29	15855.001	3.968	11.053	18.533
8/2/2021 16:30	15870.001	3.969	11.062	18.531
8/2/2021 16:30	15885.001	3.968	11.032	18.533
8/2/2021 16:30	15900.001	3.97	11.062	18.529
8/2/2021 16:30	15915.001	3.969	11.064	18.53
8/2/2021 16:31	15930.001	3.969	11.07	18.53
8/2/2021 16:31	15945.001	3.972	11.053	18.523
8/2/2021 16:31	15960.001	3.97	11.058	18.529
8/2/2021 16:31	15975.001	3.968	11.073	18.532
8/2/2021 16:32	15990.001	3.969	11.033	18.53
8/2/2021 16:32	16005.001	3.968	11.077	18.533
8/2/2021 16:32	16020.001	3.969	11.063	18.531
8/2/2021 16:32	16035.001	3.969	11.04	18.531
8/2/2021 16:33	16050.001	3.97	11.049	18.528
8/2/2021 16:33	16065.001	3.97	11.069	18.529
8/2/2021 16:33	16080.001	3.968	11.035	18.532
8/2/2021 16:33	16095.001	3.969	11.053	18.53
8/2/2021 16:34	16110.001	3.968	11.049	18.532
8/2/2021 16:34	16125.001	3.971	11.048	18.527
8/2/2021 16:34	16140.001	3.969	11.048	18.531
8/2/2021 16:34	16155.001	3.968	11.041	18.534
8/2/2021 16:35	16170.001	3.971	11.051	18.527
8/2/2021 16:35	16185.001	3.969	11.065	18.532
8/2/2021 16:35	16200.001	3.97	11.079	18.528
8/2/2021 16:35	16215.001	3.969	11.035	18.53
8/2/2021 16:36	16230.001	3.97	11.064	18.529

8/2/2021 16:36	16245.001	3.97	11.026	18.529
8/2/2021 16:36	16260.001	3.97	11.059	18.53
8/2/2021 16:36	16275.001	3.971	11.033	18.527
8/2/2021 16:37	16290.001	3.967	11.084	18.535
8/2/2021 16:37	16305.001	3.969	11.057	18.53
8/2/2021 16:37	16320.001	3.969	11.048	18.53
8/2/2021 16:37	16335.001	3.967	11.048	18.536
8/2/2021 16:38	16350.001	3.969	11.055	18.53
8/2/2021 16:38	16365.001	3.971	11.024	18.526
8/2/2021 16:38	16380.001	3.969	11.037	18.53
8/2/2021 16:38	16395.001	3.969	11.059	18.532
8/2/2021 16:39	16410.001	3.968	11.044	18.533
8/2/2021 16:39	16425.001	3.971	11.039	18.526
8/2/2021 16:39	16440.001	3.969	11.029	18.531
8/2/2021 16:39	16455.001	3.968	11.045	18.533
8/2/2021 16:40	16470.001	3.969	11.062	18.531
8/2/2021 16:40	16485.001	3.968	11.06	18.532
8/2/2021 16:40	16500.001	3.968	11.059	18.532
8/2/2021 16:40	16515.001	3.97	11.037	18.529
8/2/2021 16:41	16530.001	3.969	11.038	18.531
8/2/2021 16:41	16545.001	3.971	11.005	18.527
8/2/2021 16:41	16560.001	3.97	11.042	18.528
8/2/2021 16:41	16575.001	3.97	11.028	18.528
8/2/2021 16:42	16590.001	3.971	11.056	18.526
8/2/2021 16:42	16605.001	3.967	11.037	18.536
8/2/2021 16:42	16620.001	3.968	11.053	18.534
8/2/2021 16:42	16635.001	3.969	11.045	18.53
8/2/2021 16:43	16650.001	3.968	11.05	18.534
8/2/2021 16:43	16665.001	3.968	11.045	18.532
8/2/2021 16:43	16680.001	3.968	11.045	18.533
8/2/2021 16:43	16695.001	3.969	11.029	18.53
8/2/2021 16:44	16710.001	3.969	11.036	18.532
8/2/2021 16:44	16725.001	3.969	11.046	18.531
8/2/2021 16:44	16740.001	3.97	11.053	18.529
8/2/2021 16:44	16755.001	3.969	11.054	18.532
8/2/2021 16:45	16770.001	3.967	11.048	18.535
8/2/2021 16:45	16785.001	3.97	11.059	18.529
8/2/2021 16:45	16800.001	3.969	11.036	18.531
8/2/2021 16:45	16815.001	3.97	11.033	18.529
8/2/2021 16:46	16830.001	3.969	11.045	18.531
8/2/2021 16:46	16845.001	3.97	11.046	18.529
8/2/2021 16:46	16860.001	3.969	11.005	18.53
8/2/2021 16:46	16875.001	3.968	11.053	18.533
8/2/2021 16:47	16890.001	3.97	11.034	18.528
8/2/2021 16:47	16905.001	3.967	11.035	18.535
8/2/2021 16:47	16920.001	3.968	11.037	18.532
8/2/2021 16:47	16935.001	3.969	11.053	18.531
8/2/2021 16:48	16950.001	3.97	11.05	18.529
8/2/2021 16:48	16965.001	3.97	11.054	18.528
8/2/2021 16:48	16980.001	3.967	11.026	18.536
8/2/2021 16:48	16995.001	3.971	11.01	18.525
8/2/2021 16:49	17010.001	3.971	11.015	18.526
8/2/2021 16:49	17025.001	3.968	11.031	18.533
8/2/2021 16:49	17040.001	3.969	11.033	18.531
8/2/2021 16:49	17055.001	3.97	11.031	18.529
8/2/2021 16:50	17070.001	3.969	11.009	18.531
8/2/2021 16:50	17085.001	3.969	11.025	18.53
8/2/2021 16:50	17100.001	3.967	11.045	18.536

8/2/2021 16:50	17115.001	3.969	11.018	18.532
8/2/2021 16:51	17130.001	3.968	11.042	18.534
8/2/2021 16:51	17145.001	3.969	11.035	18.532
8/2/2021 16:51	17160.001	3.968	11.014	18.532
8/2/2021 16:51	17175.001	3.97	11.029	18.53
8/2/2021 16:52	17190.001	3.969	11.018	18.532
8/2/2021 16:52	17205.001	3.969	11.017	18.531
8/2/2021 16:52	17220.001	3.968	11.034	18.532
8/2/2021 16:52	17235.001	3.969	10.986	18.531
8/2/2021 16:53	17250.001	3.969	11.034	18.53
8/2/2021 16:53	17265.001	3.97	11.046	18.529
8/2/2021 16:53	17280.001	3.968	11.04	18.532
8/2/2021 16:53	17295.001	3.969	11.012	18.531
8/2/2021 16:54	17310.001	3.968	11.01	18.533
8/2/2021 16:54	17325.001	3.97	11.034	18.528
8/2/2021 16:54	17340.001	3.968	11.026	18.533
8/2/2021 16:54	17355.001	3.97	11.027	18.53
8/2/2021 16:55	17370.001	3.969	11.019	18.531
8/2/2021 16:55	17385.001	3.968	11.02	18.534
8/2/2021 16:55	17400.001	3.969	11.014	18.531
8/2/2021 16:55	17415.001	3.97	11.028	18.529
8/2/2021 16:56	17430.001	3.97	11.046	18.529
8/2/2021 16:56	17445.001	3.969	11.032	18.53
8/2/2021 16:56	17460.001	3.97	11.019	18.529
8/2/2021 16:56	17475.001	3.969	11.042	18.531
8/2/2021 16:57	17490.001	3.968	11.015	18.534
8/2/2021 16:57	17505.001	3.97	11.029	18.529
8/2/2021 16:57	17520.001	3.968	11.034	18.533
8/2/2021 16:57	17535.001	3.97	11.012	18.53
8/2/2021 16:58	17550.001	3.969	11.004	18.531
8/2/2021 16:58	17565.001	3.969	11.042	18.531
8/2/2021 16:58	17580.001	3.97	11.036	18.528
8/2/2021 16:58	17595.001	3.97	11.02	18.529
8/2/2021 16:59	17610.001	3.968	11.006	18.534
8/2/2021 16:59	17625.001	3.968	11.035	18.534
8/2/2021 16:59	17640.001	3.968	11.017	18.532
8/2/2021 16:59	17655.001	3.971	11.017	18.527
8/2/2021 17:00	17670.001	3.967	11.012	18.535
8/2/2021 17:00	17685.001	3.97	11.029	18.529
8/2/2021 17:00	17700.001	3.968	11.025	18.533
8/2/2021 17:00	17715.001	3.969	11.038	18.53
8/2/2021 17:01	17730.001	3.97	11.025	18.53
8/2/2021 17:01	17745.001	3.971	11.012	18.527
8/2/2021 17:01	17760.001	3.97	11.021	18.528
8/2/2021 17:01	17775.001	3.969	11.039	18.53
8/2/2021 17:02	17790.001	3.97	11.041	18.528
8/2/2021 17:02	17805.001	3.968	11.016	18.533
8/2/2021 17:02	17820.001	3.967	11.023	18.535
8/2/2021 17:02	17835.001	3.967	11.017	18.536
8/2/2021 17:03	17850.001	3.969	11.014	18.531
8/2/2021 17:03	17865.001	3.968	11.015	18.534
8/2/2021 17:03	17880.001	3.97	11.023	18.53
8/2/2021 17:03	17895.001	3.967	11.031	18.534
8/2/2021 17:04	17910.001	3.968	11.022	18.532
8/2/2021 17:04	17925.001	3.969	11.012	18.53
8/2/2021 17:04	17940.001	3.968	11.025	18.534
8/2/2021 17:04	17955.001	3.968	11.021	18.532
8/2/2021 17:05	17970.001	3.97	11.028	18.529

8/2/2021 17:05	17985.001	3.971	11.013	18.525
8/2/2021 17:05	18000.001	3.969	11.039	18.532
8/2/2021 17:05	18015.001	3.968	11.005	18.533
8/2/2021 17:06	18030.001	3.967	11.009	18.536
8/2/2021 17:06	18045.001	3.971	11.014	18.527
8/2/2021 17:06	18060.001	3.97	11.016	18.529
8/2/2021 17:06	18075.001	3.967	11.016	18.535
8/2/2021 17:07	18090.001	3.969	11.015	18.531
8/2/2021 17:07	18105.001	3.97	11.009	18.528
8/2/2021 17:07	18120.001	3.97	11.023	18.528
8/2/2021 17:07	18135.001	3.971	11.003	18.527
8/2/2021 17:08	18150.001	3.97	11.003	18.529
8/2/2021 17:08	18165.001	3.97	11.019	18.528
8/2/2021 17:08	18180.001	3.966	11.02	18.537
8/2/2021 17:08	18195.001	3.969	11.012	18.531
8/2/2021 17:09	18210.001	3.969	10.995	18.531
8/2/2021 17:09	18225.001	3.967	11.02	18.536
8/2/2021 17:09	18240.001	3.968	11.014	18.534
8/2/2021 17:09	18255.001	3.969	11.048	18.531
8/2/2021 17:10	18270.001	3.97	11.014	18.528
8/2/2021 17:10	18285.001	3.967	11.025	18.537
8/2/2021 17:10	18300.001	3.969	11.03	18.53
8/2/2021 17:10	18315.001	3.966	11.01	18.537
8/2/2021 17:11	18330.001	3.968	11.025	18.534
8/2/2021 17:11	18345.001	3.969	11.034	18.532
8/2/2021 17:11	18360.001	3.967	11.008	18.535
8/2/2021 17:11	18375.001	3.969	11.013	18.532
8/2/2021 17:12	18390.001	3.969	11.025	18.531
8/2/2021 17:12	18405.001	3.97	10.983	18.529
8/2/2021 17:12	18420.001	3.972	11.031	18.525
8/2/2021 17:12	18435.001	3.968	11.019	18.534
8/2/2021 17:13	18450.001	3.969	11.009	18.532
8/2/2021 17:13	18465.001	3.968	11.028	18.533
8/2/2021 17:13	18480.001	3.967	10.984	18.536
8/2/2021 17:13	18495.001	3.968	11.02	18.533
8/2/2021 17:14	18510.001	3.967	11.012	18.536
8/2/2021 17:14	18525.001	3.968	11.019	18.532
8/2/2021 17:14	18540.001	3.968	11.027	18.533
8/2/2021 17:14	18555.001	3.966	11.008	18.537
8/2/2021 17:15	18570.001	3.969	11.03	18.53
8/2/2021 17:15	18585.001	3.969	10.99	18.531
8/2/2021 17:15	18600.001	3.969	11.028	18.53
8/2/2021 17:15	18615.001	3.969	11.006	18.531
8/2/2021 17:16	18630.001	3.967	10.99	18.535
8/2/2021 17:16	18645.001	3.968	11.028	18.533
8/2/2021 17:16	18660.001	3.97	11.014	18.529
8/2/2021 17:16	18675.001	3.968	11.021	18.533
8/2/2021 17:17	18690.001	3.968	11.001	18.533
8/2/2021 17:17	18705.001	3.968	10.99	18.534
8/2/2021 17:17	18720.001	3.969	10.998	18.53
8/2/2021 17:17	18735.001	3.968	10.995	18.533
8/2/2021 17:18	18750.001	3.972	11.013	18.525
8/2/2021 17:18	18765.001	3.968	11.003	18.533
8/2/2021 17:18	18780.001	3.969	11.013	18.53
8/2/2021 17:18	18795.001	3.969	11.008	18.531
8/2/2021 17:19	18810.001	3.968	11	18.533
8/2/2021 17:19	18825.001	3.968	11.001	18.533
8/2/2021 17:19	18840.001	3.967	10.999	18.535

8/2/2021 17:19	18855.001	3.97	10.998	18.529
8/2/2021 17:20	18870.001	3.967	11.01	18.535
8/2/2021 17:20	18885.001	3.966	10.998	18.538
8/2/2021 17:20	18900.001	3.969	11.023	18.532
8/2/2021 17:20	18915.001	3.969	11.009	18.531
8/2/2021 17:21	18930.001	3.968	11.001	18.533
8/2/2021 17:21	18945.001	3.968	10.976	18.533
8/2/2021 17:21	18960.001	3.967	11.021	18.535
8/2/2021 17:21	18975.001	3.97	10.983	18.529
8/2/2021 17:22	18990.001	3.968	11.004	18.533
8/2/2021 17:22	19005.001	3.968	10.998	18.533
8/2/2021 17:22	19020.001	3.968	10.979	18.533
8/2/2021 17:22	19035.001	3.968	10.998	18.534
8/2/2021 17:23	19050.001	3.968	10.993	18.534
8/2/2021 17:23	19065.001	3.969	11.01	18.531
8/2/2021 17:23	19080.001	3.97	10.998	18.53
8/2/2021 17:23	19095.001	3.968	10.984	18.534
8/2/2021 17:24	19110.001	3.969	11.003	18.532
8/2/2021 17:24	19125.001	3.97	11.018	18.529
8/2/2021 17:24	19140.001	3.967	10.975	18.536
8/2/2021 17:24	19155.001	3.968	11.026	18.533
8/2/2021 17:25	19170.001	3.969	10.987	18.53
8/2/2021 17:25	19185.001	3.966	10.987	18.538
8/2/2021 17:25	19200.001	3.967	11.005	18.535
8/2/2021 17:25	19215.001	3.97	10.994	18.528
8/2/2021 17:26	19230.001	3.969	11.001	18.531
8/2/2021 17:26	19245.001	3.966	10.965	18.537
8/2/2021 17:26	19260.001	3.969	10.992	18.53
8/2/2021 17:26	19275.001	3.967	10.968	18.536
8/2/2021 17:27	19290.001	3.968	10.98	18.532
8/2/2021 17:27	19305.001	3.966	11.017	18.538
8/2/2021 17:27	19320.001	3.969	11	18.531
8/2/2021 17:27	19335.001	3.968	10.99	18.532
8/2/2021 17:28	19350.001	3.967	10.995	18.535
8/2/2021 17:28	19365.001	3.968	10.969	18.532
8/2/2021 17:28	19380.001	3.969	11.011	18.532
8/2/2021 17:28	19395.001	3.968	10.99	18.533
8/2/2021 17:29	19410.001	3.969	10.988	18.531
8/2/2021 17:29	19425.001	3.968	11.021	18.534
8/2/2021 17:29	19440.001	3.97	11.014	18.53
8/2/2021 17:29	19455.001	3.969	11.002	18.531
8/2/2021 17:30	19470.001	3.97	11.013	18.529
8/2/2021 17:30	19485.001	3.969	10.996	18.532
8/2/2021 17:30	19500.001	3.969	11.011	18.531
8/2/2021 17:30	19515.001	3.968	11.031	18.532
8/2/2021 17:31	19530.001	3.969	11.022	18.531
8/2/2021 17:31	19545.001	3.968	10.988	18.533
8/2/2021 17:31	19560.001	3.97	10.973	18.529
8/2/2021 17:31	19575.001	3.966	11.003	18.538
8/2/2021 17:32	19590.001	3.966	11.023	18.538
8/2/2021 17:32	19605.001	3.968	10.994	18.533
8/2/2021 17:32	19620.001	3.969	11.023	18.531
8/2/2021 17:32	19635.001	3.967	10.979	18.535
8/2/2021 17:33	19650.001	3.969	10.987	18.531
8/2/2021 17:33	19665.001	3.969	11.004	18.531
8/2/2021 17:33	19680.001	3.969	11.001	18.531
8/2/2021 17:33	19695.001	3.967	10.99	18.535
8/2/2021 17:34	19710.001	3.966	11.018	18.539

8/2/2021 17:34	19725.001	3.969	10.992	18.53
8/2/2021 17:34	19740.001	3.968	10.972	18.532
8/2/2021 17:34	19755.001	3.967	11.006	18.535
8/2/2021 17:35	19770.001	3.967	10.987	18.534
8/2/2021 17:35	19785.001	3.968	10.991	18.533
8/2/2021 17:35	19800.001	3.966	10.969	18.537
8/2/2021 17:35	19815.001	3.968	10.983	18.533
8/2/2021 17:36	19830.001	3.968	10.981	18.534
8/2/2021 17:36	19845.001	3.969	10.975	18.531
8/2/2021 17:36	19860.001	3.968	10.987	18.534
8/2/2021 17:36	19875.001	3.967	11.01	18.535
8/2/2021 17:37	19890.001	3.97	10.99	18.528
8/2/2021 17:37	19905.001	3.967	10.97	18.536
8/2/2021 17:37	19920.001	3.967	11.005	18.535
8/2/2021 17:37	19935.001	3.967	10.955	18.535
8/2/2021 17:38	19950.001	3.968	10.979	18.533
8/2/2021 17:38	19965.001	3.968	10.99	18.534
8/2/2021 17:38	19980.001	3.968	10.981	18.534
8/2/2021 17:38	19995.001	3.967	10.977	18.535
8/2/2021 17:39	20010.001	3.968	10.99	18.533
8/2/2021 17:39	20025.001	3.968	10.991	18.533
8/2/2021 17:39	20040.001	3.966	10.998	18.537
8/2/2021 17:39	20055.001	3.967	10.987	18.535
8/2/2021 17:40	20070.001	3.967	10.954	18.535
8/2/2021 17:40	20085.001	3.965	10.987	18.541
8/2/2021 17:40	20100.001	3.967	10.967	18.536
8/2/2021 17:40	20115.001	3.969	10.967	18.532
8/2/2021 17:41	20130.001	3.969	10.99	18.53
8/2/2021 17:41	20145.001	3.967	11.009	18.537
8/2/2021 17:41	20160.001	3.967	11.023	18.536
8/2/2021 17:41	20175.001	3.965	10.981	18.541
8/2/2021 17:42	20190.001	3.969	10.992	18.532
8/2/2021 17:42	20205.001	3.967	10.997	18.536
8/2/2021 17:42	20220.001	3.969	10.965	18.531
8/2/2021 17:42	20235.001	3.968	10.998	18.534
8/2/2021 17:43	20250.001	3.966	10.976	18.537
8/2/2021 17:43	20265.001	3.965	10.986	18.541
8/2/2021 17:43	20280.001	3.968	10.973	18.534
8/2/2021 17:43	20295.001	3.968	10.992	18.534
8/2/2021 17:44	20310.001	3.965	10.996	18.54
8/2/2021 17:44	20325.001	3.967	10.987	18.536
8/2/2021 17:44	20340.001	3.969	10.983	18.531
8/2/2021 17:44	20355.001	3.966	10.99	18.537
8/2/2021 17:45	20370.001	3.969	10.99	18.532
8/2/2021 17:45	20385.001	3.968	10.998	18.534
8/2/2021 17:45	20400.001	3.966	10.984	18.537
8/2/2021 17:45	20415.001	3.966	10.978	18.537
8/2/2021 17:46	20430.001	3.969	10.965	18.531
8/2/2021 17:46	20445.001	3.966	10.962	18.538
8/2/2021 17:46	20460.001	3.965	10.978	18.541
8/2/2021 17:46	20475.001	3.965	10.969	18.539
8/2/2021 17:47	20490.001	3.969	10.965	18.532
8/2/2021 17:47	20505.001	3.968	10.979	18.533
8/2/2021 17:47	20520.001	3.967	10.984	18.536
8/2/2021 17:47	20535.001	3.967	10.959	18.536
8/2/2021 17:48	20550.001	3.966	10.976	18.537
8/2/2021 17:48	20565.001	3.966	10.969	18.538
8/2/2021 17:48	20580.001	3.966	10.97	18.538

8/2/2021 17:48	20595.001	3.968	10.973	18.533
8/2/2021 17:49	20610.001	3.969	10.976	18.532
8/2/2021 17:49	20625.001	3.965	10.967	18.539
8/2/2021 17:49	20640.001	3.967	10.991	18.534
8/2/2021 17:49	20655.001	3.968	11.003	18.534
8/2/2021 17:50	20670.001	3.965	10.984	18.539
8/2/2021 17:50	20685.001	3.965	10.959	18.54
8/2/2021 17:50	20700.001	3.967	11.001	18.536
8/2/2021 17:50	20715.001	3.965	10.976	18.54
8/2/2021 17:51	20730.001	3.967	10.983	18.535
8/2/2021 17:51	20745.001	3.967	10.987	18.534
8/2/2021 17:51	20760.001	3.966	10.978	18.539
8/2/2021 17:51	20775.001	3.966	10.967	18.538
8/2/2021 17:52	20790.001	3.967	10.972	18.535
8/2/2021 17:52	20805.001	3.968	10.956	18.533
8/2/2021 17:52	20820.001	3.968	10.983	18.533
8/2/2021 17:52	20835.001	3.966	10.96	18.538
8/2/2021 17:53	20850.001	3.966	10.995	18.538
8/2/2021 17:53	20865.001	3.967	10.973	18.535
8/2/2021 17:53	20880.001	3.965	10.973	18.539
8/2/2021 17:53	20895.001	3.97	10.985	18.529
8/2/2021 17:54	20910.001	3.967	10.973	18.535
8/2/2021 17:54	20925.001	3.967	10.984	18.536
8/2/2021 17:54	20940.001	3.966	10.976	18.537
8/2/2021 17:54	20955.001	3.967	10.974	18.536
8/2/2021 17:55	20970.001	3.965	10.97	18.54
8/2/2021 17:55	20985.001	3.966	10.97	18.537
8/2/2021 17:55	21000.001	3.966	10.987	18.539
8/2/2021 17:55	21015.001	3.968	10.985	18.534
8/2/2021 17:56	21030.001	3.967	10.955	18.535
8/2/2021 17:56	21045.001	3.97	10.992	18.529
8/2/2021 17:56	21060.001	3.967	10.963	18.536
8/2/2021 17:56	21075.001	3.966	10.97	18.537
8/2/2021 17:57	21090.001	3.966	10.958	18.538
8/2/2021 17:57	21105.001	3.967	10.967	18.536
8/2/2021 17:57	21120.001	3.967	10.978	18.536
8/2/2021 17:57	21135.001	3.965	10.962	18.54
8/2/2021 17:58	21150.001	3.967	10.98	18.535
8/2/2021 17:58	21165.001	3.969	10.971	18.531
8/2/2021 17:58	21180.001	3.967	10.989	18.536
8/2/2021 17:58	21195.001	3.967	10.951	18.535
8/2/2021 17:59	21210.001	3.969	10.956	18.532
8/2/2021 17:59	21225.001	3.966	10.985	18.538
8/2/2021 17:59	21240.001	3.967	10.968	18.537
8/2/2021 17:59	21255.001	3.966	10.973	18.538
8/2/2021 18:00	21270.001	3.97	10.988	18.529
8/2/2021 18:00	21285.001	3.966	10.973	18.537
8/2/2021 18:00	21300.001	3.967	10.97	18.536
8/2/2021 18:00	21315.001	3.969	11.014	18.531
8/2/2021 18:01	21330.001	3.966	10.991	18.538
8/2/2021 18:01	21345.001	3.967	10.969	18.534
8/2/2021 18:01	21360.001	3.968	10.956	18.533
8/2/2021 18:01	21375.001	3.966	10.968	18.537
8/2/2021 18:02	21390.001	3.967	10.991	18.536
8/2/2021 18:02	21405.001	3.966	10.974	18.537
8/2/2021 18:02	21420.001	3.965	10.98	18.54
8/2/2021 18:02	21435.001	3.966	10.979	18.537
8/2/2021 18:03	21450.001	3.965	10.948	18.54

8/2/2021 18:03	21465.001	3.965	10.979	18.539
8/2/2021 18:03	21480.001	3.966	10.955	18.538
8/2/2021 18:03	21495.001	3.966	10.965	18.537
8/2/2021 18:04	21510.001	3.966	10.949	18.538
8/2/2021 18:04	21525.001	3.967	10.99	18.535
8/2/2021 18:04	21540.001	3.966	10.971	18.537
8/2/2021 18:04	21555.001	3.966	10.967	18.537
8/2/2021 18:05	21570.001	3.966	10.968	18.538
8/2/2021 18:05	21585.001	3.965	10.967	18.541
8/2/2021 18:05	21600.001	3.965	10.992	18.541
8/2/2021 18:05	21615.001	3.966	10.965	18.537
8/2/2021 18:06	21630.001	3.968	10.965	18.534
8/2/2021 18:06	21645.001	3.965	10.964	18.541
8/2/2021 18:06	21660.001	3.968	10.955	18.534
8/2/2021 18:06	21675.001	3.968	10.962	18.534
8/2/2021 18:07	21690.001	3.968	10.962	18.533
8/2/2021 18:07	21705.001	3.968	10.964	18.533
8/2/2021 18:07	21720.001	3.966	10.973	18.539
8/2/2021 18:07	21735.001	3.965	10.965	18.539
8/2/2021 18:08	21750.001	3.968	10.958	18.533
8/2/2021 18:08	21765.001	3.969	10.967	18.531
8/2/2021 18:08	21780.001	3.966	10.961	18.539
8/2/2021 18:08	21795.001	3.969	10.967	18.53
8/2/2021 18:09	21810.001	3.967	10.965	18.536
8/2/2021 18:09	21825.001	3.967	10.959	18.536
8/2/2021 18:09	21840.001	3.967	10.973	18.536
8/2/2021 18:09	21855.001	3.967	10.956	18.536
8/2/2021 18:10	21870.001	3.967	10.991	18.535
8/2/2021 18:10	21885.001	3.967	10.956	18.535
8/2/2021 18:10	21900.001	3.966	10.939	18.539
8/2/2021 18:10	21915.001	3.967	10.988	18.535
8/2/2021 18:11	21930.001	3.969	10.989	18.53
8/2/2021 18:11	21945.001	3.967	10.967	18.536
8/2/2021 18:11	21960.001	3.968	10.951	18.534
8/2/2021 18:11	21975.001	3.967	10.95	18.536
8/2/2021 18:12	21990.001	3.967	10.945	18.536
8/2/2021 18:12	22005.001	3.966	10.974	18.538
8/2/2021 18:12	22020.001	3.967	10.946	18.535
8/2/2021 18:12	22035.001	3.967	10.978	18.535
8/2/2021 18:13	22050.001	3.967	10.959	18.537
8/2/2021 18:13	22065.001	3.968	10.952	18.534
8/2/2021 18:13	22080.001	3.967	10.959	18.536
8/2/2021 18:13	22095.001	3.966	10.954	18.537
8/2/2021 18:14	22110.001	3.965	10.956	18.541
8/2/2021 18:14	22125.001	3.966	10.97	18.537
8/2/2021 18:14	22140.001	3.968	10.962	18.534
8/2/2021 18:14	22155.001	3.968	10.969	18.534
8/2/2021 18:15	22170.001	3.966	10.975	18.539
8/2/2021 18:15	22185.001	3.967	10.984	18.536
8/2/2021 18:15	22200.001	3.966	10.958	18.538
8/2/2021 18:15	22215.001	3.966	10.964	18.539
8/2/2021 18:16	22230.001	3.967	10.961	18.536
8/2/2021 18:16	22245.001	3.967	10.953	18.536
8/2/2021 18:16	22260.001	3.968	10.965	18.534
8/2/2021 18:16	22275.001	3.968	10.962	18.534
8/2/2021 18:17	22290.001	3.967	10.945	18.536
8/2/2021 18:17	22305.001	3.967	10.931	18.537
8/2/2021 18:17	22320.001	3.969	10.959	18.532

8/2/2021 18:17	22335.001	3.966	10.961	18.538
8/2/2021 18:18	22350.001	3.968	10.956	18.533
8/2/2021 18:18	22365.001	3.968	10.939	18.533
8/2/2021 18:18	22380.001	3.966	10.967	18.538
8/2/2021 18:18	22395.001	3.967	10.947	18.535
8/2/2021 18:19	22410.001	3.965	10.97	18.541
8/2/2021 18:19	22425.001	3.966	10.948	18.539
8/2/2021 18:19	22440.001	3.965	10.965	18.541
8/2/2021 18:19	22455.001	3.967	10.981	18.536
8/2/2021 18:20	22470.001	3.967	10.95	18.536
8/2/2021 18:20	22485.001	3.968	10.984	18.533
8/2/2021 18:20	22500.001	3.967	10.977	18.535
8/2/2021 18:20	22515.001	3.967	10.975	18.536
8/2/2021 18:21	22530.001	3.966	10.973	18.538
8/2/2021 18:21	22545.001	3.965	10.962	18.541
8/2/2021 18:21	22560.001	3.965	10.939	18.539
8/2/2021 18:21	22575.001	3.965	10.951	18.54
8/2/2021 18:22	22590.001	3.966	10.969	18.538
8/2/2021 18:22	22605.001	3.966	10.939	18.539
8/2/2021 18:22	22620.001	3.966	10.949	18.538
8/2/2021 18:22	22635.001	3.965	10.956	18.54
8/2/2021 18:23	22650.001	3.966	10.941	18.539
8/2/2021 18:23	22665.001	3.966	10.942	18.538
8/2/2021 18:23	22680.001	3.968	10.95	18.534
8/2/2021 18:23	22695.001	3.966	10.943	18.538
8/2/2021 18:24	22710.001	3.967	10.948	18.536
8/2/2021 18:24	22725.001	3.967	10.922	18.535
8/2/2021 18:24	22740.001	3.965	10.942	18.54
8/2/2021 18:24	22755.001	3.965	10.976	18.541
8/2/2021 18:25	22770.001	3.965	10.937	18.541
8/2/2021 18:25	22785.001	3.966	10.947	18.538
8/2/2021 18:25	22800.001	3.967	10.951	18.536
8/2/2021 18:25	22815.001	3.967	10.945	18.536
8/2/2021 18:26	22830.001	3.967	10.963	18.537
8/2/2021 18:26	22845.001	3.969	10.932	18.531
8/2/2021 18:26	22860.001	3.967	10.955	18.536
8/2/2021 18:26	22875.001	3.965	10.967	18.539
8/2/2021 18:27	22890.001	3.969	10.928	18.53
8/2/2021 18:27	22905.001	3.964	10.954	18.543
8/2/2021 18:27	22920.001	3.968	10.935	18.533
8/2/2021 18:27	22935.001	3.967	10.954	18.535
8/2/2021 18:28	22950.001	3.965	10.933	18.539
8/2/2021 18:28	22965.001	3.966	10.981	18.538
8/2/2021 18:28	22980.001	3.967	10.946	18.536
8/2/2021 18:28	22995.001	3.966	10.945	18.539
8/2/2021 18:29	23010.001	3.967	10.946	18.536
8/2/2021 18:29	23025.001	3.967	10.939	18.536
8/2/2021 18:29	23040.001	3.967	10.967	18.536
8/2/2021 18:29	23055.001	3.967	10.956	18.535
8/2/2021 18:30	23070.001	3.967	10.969	18.535
8/2/2021 18:30	23085.001	3.965	10.965	18.54
8/2/2021 18:30	23100.001	3.967	10.951	18.536
8/2/2021 18:30	23115.001	3.966	10.948	18.538
8/2/2021 18:31	23130.001	3.967	10.962	18.535
8/2/2021 18:31	23145.001	3.965	10.969	18.541
8/2/2021 18:31	23160.001	3.965	10.93	18.54
8/2/2021 18:31	23175.001	3.966	10.962	18.538
8/2/2021 18:32	23190.001	3.964	10.97	18.543

8/2/2021 18:32	23205.001	3.967	10.944	18.536
8/2/2021 18:32	23220.001	3.966	10.938	18.538
8/2/2021 18:32	23235.001	3.964	10.953	18.543
8/2/2021 18:33	23250.001	3.968	10.931	18.534
8/2/2021 18:33	23265.001	3.967	10.973	18.535
8/2/2021 18:33	23280.001	3.965	10.95	18.541
8/2/2021 18:33	23295.001	3.966	10.965	18.538
8/2/2021 18:34	23310.001	3.963	10.976	18.544
8/2/2021 18:34	23325.001	3.966	10.962	18.539
8/2/2021 18:34	23340.001	3.965	10.948	18.539
8/2/2021 18:34	23355.001	3.967	10.94	18.537
8/2/2021 18:35	23370.001	3.966	10.951	18.539
8/2/2021 18:35	23385.001	3.966	10.948	18.538
8/2/2021 18:35	23400.001	3.966	10.953	18.538
8/2/2021 18:35	23415.001	3.966	10.946	18.538
8/2/2021 18:36	23430.001	3.965	10.962	18.539
8/2/2021 18:36	23445.001	3.966	10.953	18.538
8/2/2021 18:36	23460.001	3.966	10.943	18.539
8/2/2021 18:36	23475.001	3.966	10.931	18.539
8/2/2021 18:37	23490.001	3.965	10.957	18.541
8/2/2021 18:37	23505.001	3.966	10.958	18.537
8/2/2021 18:37	23520.001	3.966	10.937	18.539
8/2/2021 18:37	23535.001	3.965	10.967	18.539
8/2/2021 18:38	23550.001	3.964	10.934	18.543
8/2/2021 18:38	23565.001	3.962	10.926	18.546
8/2/2021 18:38	23580.001	3.966	10.975	18.537
8/2/2021 18:38	23595.001	3.967	10.933	18.536
8/2/2021 18:39	23610.001	3.963	10.951	18.544
8/2/2021 18:39	23625.001	3.965	10.962	18.541
8/2/2021 18:39	23640.001	3.966	10.951	18.537
8/2/2021 18:39	23655.001	3.964	10.951	18.542
8/2/2021 18:40	23670.001	3.966	10.951	18.538
8/2/2021 18:40	23685.001	3.967	10.95	18.536
8/2/2021 18:40	23700.001	3.964	10.962	18.543
8/2/2021 18:40	23715.001	3.966	10.937	18.538
8/2/2021 18:41	23730.001	3.965	10.928	18.54
8/2/2021 18:41	23745.001	3.966	10.937	18.538
8/2/2021 18:41	23760.001	3.966	10.925	18.538
8/2/2021 18:41	23775.001	3.967	10.932	18.535
8/2/2021 18:42	23790.001	3.965	10.931	18.541
8/2/2021 18:42	23805.001	3.964	10.94	18.542
8/2/2021 18:42	23820.001	3.964	10.942	18.542
8/2/2021 18:42	23835.001	3.967	10.936	18.535
8/2/2021 18:43	23850.001	3.964	10.931	18.542
8/2/2021 18:43	23865.001	3.965	10.918	18.541
8/2/2021 18:43	23880.001	3.965	10.944	18.539
8/2/2021 18:43	23895.001	3.964	10.953	18.544
8/2/2021 18:44	23910.001	3.965	10.937	18.54
8/2/2021 18:44	23925.001	3.965	10.945	18.54
8/2/2021 18:44	23940.001	3.965	10.955	18.54
8/2/2021 18:44	23955.001	3.963	10.962	18.544
8/2/2021 18:45	23970.001	3.965	10.963	18.54
8/2/2021 18:45	23985.001	3.966	10.959	18.539
8/2/2021 18:45	24000.001	3.965	10.929	18.539
8/2/2021 18:45	24015.001	3.967	10.934	18.536
8/2/2021 18:46	24030.001	3.965	10.934	18.54
8/2/2021 18:46	24045.001	3.966	10.951	18.538
8/2/2021 18:46	24060.001	3.965	10.936	18.541

8/2/2021 18:46	24075.001	3.965	10.935	18.541
8/2/2021 18:47	24090.001	3.965	10.947	18.54
8/2/2021 18:47	24105.001	3.967	10.953	18.536
8/2/2021 18:47	24120.001	3.967	10.944	18.537
8/2/2021 18:47	24135.001	3.965	10.956	18.541
8/2/2021 18:48	24150.001	3.966	10.947	18.539
8/2/2021 18:48	24165.001	3.965	10.948	18.539
8/2/2021 18:48	24180.001	3.964	10.966	18.542
8/2/2021 18:48	24195.001	3.966	10.96	18.538
8/2/2021 18:49	24210.001	3.963	10.944	18.546
8/2/2021 18:49	24225.001	3.967	10.961	18.536
8/2/2021 18:49	24240.001	3.966	10.965	18.539
8/2/2021 18:49	24255.001	3.966	10.959	18.538
8/2/2021 18:50	24270.001	3.965	10.94	18.541
8/2/2021 18:50	24285.001	3.964	10.953	18.543
8/2/2021 18:50	24300.001	3.965	10.951	18.54
8/2/2021 18:50	24315.001	3.965	10.94	18.541
8/2/2021 18:51	24330.001	3.962	10.95	18.547
8/2/2021 18:51	24345.001	3.966	10.942	18.538
8/2/2021 18:51	24360.001	3.964	10.931	18.543
8/2/2021 18:51	24375.001	3.966	10.968	18.539
8/2/2021 18:52	24390.001	3.963	10.925	18.545
8/2/2021 18:52	24405.001	3.966	10.94	18.538
8/2/2021 18:52	24420.001	3.965	10.94	18.54
8/2/2021 18:52	24435.001	3.964	10.939	18.543
8/2/2021 18:53	24450.001	3.967	10.928	18.536
8/2/2021 18:53	24465.001	3.966	10.945	18.538
8/2/2021 18:53	24480.001	3.966	10.943	18.537
8/2/2021 18:53	24495.001	3.964	10.932	18.542
8/2/2021 18:54	24510.001	3.966	10.917	18.538
8/2/2021 18:54	24525.001	3.962	10.937	18.546
8/2/2021 18:54	24540.001	3.965	10.906	18.539
8/2/2021 18:54	24555.001	3.963	10.943	18.545
8/2/2021 18:55	24570.001	3.965	10.918	18.541
8/2/2021 18:55	24585.001	3.965	10.934	18.54
8/2/2021 18:55	24600.001	3.964	10.918	18.542
8/2/2021 18:55	24615.001	3.966	10.953	18.538
8/2/2021 18:56	24630.001	3.965	10.95	18.541
8/2/2021 18:56	24645.001	3.965	10.949	18.539
8/2/2021 18:56	24660.001	3.964	10.938	18.542
8/2/2021 18:56	24675.001	3.965	10.937	18.541
8/2/2021 18:57	24690.001	3.965	10.928	18.54
8/2/2021 18:57	24705.001	3.964	10.961	18.543
8/2/2021 18:57	24720.001	3.967	10.95	18.537
8/2/2021 18:57	24735.001	3.966	10.938	18.537
8/2/2021 18:58	24750.001	3.964	10.923	18.542
8/2/2021 18:58	24765.001	3.965	10.962	18.54
8/2/2021 18:58	24780.001	3.964	10.953	18.542
8/2/2021 18:58	24795.001	3.966	10.949	18.539
8/2/2021 18:59	24810.001	3.964	10.923	18.542
8/2/2021 18:59	24825.001	3.966	10.946	18.538
8/2/2021 18:59	24840.001	3.964	10.937	18.541
8/2/2021 18:59	24855.001	3.965	10.951	18.541
8/2/2021 19:00	24870.001	3.965	10.923	18.539
8/2/2021 19:00	24885.001	3.963	10.917	18.545
8/2/2021 19:00	24900.001	3.965	10.929	18.539
8/2/2021 19:00	24915.001	3.965	10.931	18.541
8/2/2021 19:01	24930.001	3.963	10.937	18.545

8/2/2021 19:01	24945.001	3.963	10.937	18.544
8/2/2021 19:01	24960.001	3.963	10.937	18.544
8/2/2021 19:01	24975.001	3.963	10.952	18.546
8/2/2021 19:02	24990.001	3.965	10.931	18.54
8/2/2021 19:02	25005.001	3.963	10.936	18.545
8/2/2021 19:02	25020.001	3.965	10.947	18.54
8/2/2021 19:02	25035.001	3.964	10.915	18.542
8/2/2021 19:03	25050.001	3.966	10.952	18.539
8/2/2021 19:03	25065.001	3.964	10.888	18.543
8/2/2021 19:03	25080.001	3.964	10.942	18.541
8/2/2021 19:03	25095.001	3.964	10.953	18.542
8/2/2021 19:04	25110.001	3.965	10.932	18.539
8/2/2021 19:04	25125.001	3.964	10.927	18.542
8/2/2021 19:04	25140.001	3.962	10.93	18.546
8/2/2021 19:04	25155.001	3.964	10.961	18.542
8/2/2021 19:05	25170.001	3.966	10.897	18.538
8/2/2021 19:05	25185.001	3.964	10.944	18.543
8/2/2021 19:05	25200.001	3.965	10.924	18.541
8/2/2021 19:05	25215.001	3.962	10.945	18.546
8/2/2021 19:06	25230.001	3.964	10.927	18.543
8/2/2021 19:06	25245.001	3.964	10.934	18.543
8/2/2021 19:06	25260.001	3.965	10.918	18.541
8/2/2021 19:06	25275.001	3.963	10.923	18.544
8/2/2021 19:07	25290.001	3.962	10.94	18.547
8/2/2021 19:07	25305.001	3.964	10.943	18.543
8/2/2021 19:07	25320.001	3.961	10.926	18.549
8/2/2021 19:07	25335.001	3.962	10.926	18.547
8/2/2021 19:08	25350.001	3.964	10.925	18.543
8/2/2021 19:08	25365.001	3.964	10.924	18.542
8/2/2021 19:08	25380.001	3.965	10.94	18.541
8/2/2021 19:08	25395.001	3.963	10.937	18.545
8/2/2021 19:09	25410.001	3.964	10.932	18.543
8/2/2021 19:09	25425.001	3.963	10.953	18.545
8/2/2021 19:09	25440.001	3.965	10.947	18.54
8/2/2021 19:09	25455.001	3.961	10.929	18.548
8/2/2021 19:10	25470.001	3.962	10.924	18.546
8/2/2021 19:10	25485.001	3.962	10.938	18.547
8/2/2021 19:10	25500.001	3.964	10.917	18.544
8/2/2021 19:10	25515.001	3.962	10.923	18.548
8/2/2021 19:11	25530.001	3.965	10.954	18.541
8/2/2021 19:11	25545.001	3.962	10.923	18.547
8/2/2021 19:11	25560.001	3.962	10.934	18.548
8/2/2021 19:11	25575.001	3.964	10.931	18.542
8/2/2021 19:12	25590.001	3.962	10.937	18.547
8/2/2021 19:12	25605.001	3.963	10.929	18.545
8/2/2021 19:12	25620.001	3.962	10.941	18.547
8/2/2021 19:12	25635.001	3.965	10.945	18.54
8/2/2021 19:13	25650.001	3.963	10.953	18.545
8/2/2021 19:13	25665.001	3.962	10.953	18.546
8/2/2021 19:13	25680.001	3.962	10.933	18.548
8/2/2021 19:13	25695.001	3.962	10.932	18.547
8/2/2021 19:14	25710.001	3.963	10.937	18.544
8/2/2021 19:14	25725.001	3.965	10.928	18.54
8/2/2021 19:14	25740.001	3.963	10.923	18.545
8/2/2021 19:14	25755.001	3.962	10.915	18.546
8/2/2021 19:15	25770.001	3.962	10.948	18.547
8/2/2021 19:15	25785.001	3.962	10.936	18.547
8/2/2021 19:15	25800.001	3.961	10.911	18.548

8/2/2021 19:15	25815.001	3.961	10.939	18.548
8/2/2021 19:16	25830.001	3.962	10.918	18.546
8/2/2021 19:16	25845.001	3.962	10.928	18.546
8/2/2021 19:16	25860.001	3.963	10.915	18.545
8/2/2021 19:16	25875.001	3.962	10.901	18.546
8/2/2021 19:17	25890.001	3.963	10.918	18.545
8/2/2021 19:17	25905.001	3.962	10.942	18.547
8/2/2021 19:17	25920.001	3.96	10.91	18.552
8/2/2021 19:17	25935.001	3.961	10.937	18.548
8/2/2021 19:18	25950.001	3.964	10.952	18.543
8/2/2021 19:18	25965.001	3.964	10.911	18.543
8/2/2021 19:18	25980.001	3.962	10.917	18.548
8/2/2021 19:18	25995.001	3.964	10.901	18.542
8/2/2021 19:19	26010.001	3.963	10.932	18.545
8/2/2021 19:19	26025.001	3.965	10.934	18.54
8/2/2021 19:19	26040.001	3.961	10.926	18.549
8/2/2021 19:19	26055.001	3.962	10.937	18.547
8/2/2021 19:20	26070.001	3.962	10.934	18.546
8/2/2021 19:20	26085.001	3.963	10.925	18.544
8/2/2021 19:20	26100.001	3.962	10.917	18.546
8/2/2021 19:20	26115.001	3.963	10.931	18.546
8/2/2021 19:21	26130.001	3.963	10.938	18.545
8/2/2021 19:21	26145.001	3.962	10.922	18.546
8/2/2021 19:21	26160.001	3.961	10.901	18.548
8/2/2021 19:21	26175.001	3.964	10.917	18.543
8/2/2021 19:22	26190.001	3.962	10.917	18.547
8/2/2021 19:22	26205.001	3.962	10.931	18.547
8/2/2021 19:22	26220.001	3.965	10.911	18.541
8/2/2021 19:22	26235.001	3.964	10.926	18.543
8/2/2021 19:23	26250.001	3.961	10.932	18.55
8/2/2021 19:23	26265.001	3.963	10.922	18.544
8/2/2021 19:23	26280.001	3.962	10.918	18.548
8/2/2021 19:23	26295.001	3.96	10.92	18.551
8/2/2021 19:24	26310.001	3.964	10.912	18.543
8/2/2021 19:24	26325.001	3.963	10.903	18.544
8/2/2021 19:24	26340.001	3.96	10.944	18.551
8/2/2021 19:24	26355.001	3.961	10.898	18.549
8/2/2021 19:25	26370.001	3.961	10.908	18.55
8/2/2021 19:25	26385.001	3.962	10.934	18.548
8/2/2021 19:25	26400.001	3.962	10.918	18.546
8/2/2021 19:25	26415.001	3.964	10.951	18.544
8/2/2021 19:26	26430.001	3.961	10.94	18.549
8/2/2021 19:26	26445.001	3.962	10.928	18.546
8/2/2021 19:26	26460.001	3.964	10.933	18.543
8/2/2021 19:26	26475.001	3.96	10.942	18.552
8/2/2021 19:27	26490.001	3.963	10.93	18.545
8/2/2021 19:27	26505.001	3.962	10.906	18.546
8/2/2021 19:27	26520.001	3.96	10.913	18.551
8/2/2021 19:27	26535.001	3.962	10.94	18.546
8/2/2021 19:28	26550.001	3.963	10.893	18.546
8/2/2021 19:28	26565.001	3.962	10.925	18.548
8/2/2021 19:28	26580.001	3.964	10.923	18.543
8/2/2021 19:28	26595.001	3.961	10.919	18.549
8/2/2021 19:29	26610.001	3.962	10.927	18.548
8/2/2021 19:29	26625.001	3.962	10.906	18.548
8/2/2021 19:29	26640.001	3.963	10.923	18.544
8/2/2021 19:29	26655.001	3.962	10.923	18.547
8/2/2021 19:30	26670.001	3.963	10.938	18.545

8/2/2021 19:30	26685.001	3.962	10.925	18.547
8/2/2021 19:30	26700.001	3.962	10.928	18.547
8/2/2021 19:30	26715.001	3.96	10.945	18.552
8/2/2021 19:31	26730.001	3.96	10.91	18.551
8/2/2021 19:31	26745.001	3.962	10.913	18.547
8/2/2021 19:31	26760.001	3.962	10.9	18.547
8/2/2021 19:31	26775.001	3.961	10.93	18.549
8/2/2021 19:32	26790.001	3.96	10.914	18.551
8/2/2021 19:32	26805.001	3.961	10.927	18.55
8/2/2021 19:32	26820.001	3.962	10.934	18.547
8/2/2021 19:32	26835.001	3.96	10.909	18.552
8/2/2021 19:33	26850.001	3.964	10.913	18.542
8/2/2021 19:33	26865.001	3.961	10.926	18.55
8/2/2021 19:33	26880.001	3.962	10.909	18.547
8/2/2021 19:33	26895.001	3.961	10.915	18.549
8/2/2021 19:34	26910.001	3.961	10.914	18.55
8/2/2021 19:34	26925.001	3.962	10.919	18.547
8/2/2021 19:34	26940.001	3.962	10.916	18.546
8/2/2021 19:34	26955.001	3.961	10.903	18.549
8/2/2021 19:35	26970.001	3.961	10.917	18.55
8/2/2021 19:35	26985.001	3.961	10.935	18.55
8/2/2021 19:35	27000.001	3.96	10.911	18.552
8/2/2021 19:35	27015.001	3.96	10.918	18.551
8/2/2021 19:36	27030.001	3.962	10.911	18.547
8/2/2021 19:36	27045.001	3.962	10.922	18.547
8/2/2021 19:36	27060.001	3.963	10.899	18.546
8/2/2021 19:36	27075.001	3.962	10.92	18.547
8/2/2021 19:37	27090.001	3.963	10.915	18.545
8/2/2021 19:37	27105.001	3.962	10.941	18.547
8/2/2021 19:37	27120.001	3.961	10.929	18.549
8/2/2021 19:37	27135.001	3.96	10.935	18.552
8/2/2021 19:38	27150.001	3.963	10.928	18.545
8/2/2021 19:38	27165.001	3.96	10.916	18.551
8/2/2021 19:38	27180.001	3.96	10.909	18.551
8/2/2021 19:38	27195.001	3.96	10.91	18.552
8/2/2021 19:39	27210.001	3.962	10.924	18.548
8/2/2021 19:39	27225.001	3.962	10.926	18.546
8/2/2021 19:39	27240.001	3.961	10.927	18.549
8/2/2021 19:39	27255.001	3.961	10.893	18.548
8/2/2021 19:40	27270.001	3.961	10.935	18.549
8/2/2021 19:40	27285.001	3.961	10.922	18.549
8/2/2021 19:40	27300.001	3.959	10.936	18.553
8/2/2021 19:40	27315.001	3.96	10.92	18.552
8/2/2021 19:41	27330.001	3.963	10.918	18.544
8/2/2021 19:41	27345.001	3.962	10.92	18.548
8/2/2021 19:41	27360.001	3.962	10.919	18.548
8/2/2021 19:41	27375.001	3.961	10.927	18.549
8/2/2021 19:42	27390.001	3.96	10.906	18.552
8/2/2021 19:42	27405.001	3.961	10.931	18.549
8/2/2021 19:42	27420.001	3.96	10.917	18.551
8/2/2021 19:42	27435.001	3.961	10.937	18.548
8/2/2021 19:43	27450.001	3.96	10.916	18.551
8/2/2021 19:43	27465.001	3.962	10.911	18.548
8/2/2021 19:43	27480.001	3.961	10.896	18.549
8/2/2021 19:43	27495.001	3.961	10.899	18.549
8/2/2021 19:44	27510.001	3.962	10.919	18.548
8/2/2021 19:44	27525.001	3.96	10.917	18.553
8/2/2021 19:44	27540.001	3.961	10.931	18.549

8/2/2021 19:44	27555.001	3.962	10.897	18.548
8/2/2021 19:45	27570.001	3.96	10.909	18.552
8/2/2021 19:45	27585.001	3.961	10.917	18.55
8/2/2021 19:45	27600.001	3.963	10.941	18.544
8/2/2021 19:45	27615.001	3.961	10.92	18.548
8/2/2021 19:46	27630.001	3.959	10.928	18.554
8/2/2021 19:46	27645.001	3.959	10.919	18.554
8/2/2021 19:46	27660.001	3.961	10.901	18.549
8/2/2021 19:46	27675.001	3.962	10.904	18.548
8/2/2021 19:47	27690.001	3.963	10.912	18.545
8/2/2021 19:47	27705.001	3.959	10.928	18.553
8/2/2021 19:47	27720.001	3.961	10.922	18.549
8/2/2021 19:47	27735.001	3.96	10.912	18.552
8/2/2021 19:48	27750.001	3.961	10.901	18.55
8/2/2021 19:48	27765.001	3.961	10.931	18.55
8/2/2021 19:48	27780.001	3.961	10.911	18.548
8/2/2021 19:48	27795.001	3.96	10.906	18.551
8/2/2021 19:49	27810.001	3.961	10.933	18.549
8/2/2021 19:49	27825.001	3.96	10.923	18.552
8/2/2021 19:49	27840.001	3.96	10.918	18.552
8/2/2021 19:49	27855.001	3.961	10.916	18.549
8/2/2021 19:50	27870.001	3.959	10.9	18.554
8/2/2021 19:50	27885.001	3.959	10.915	18.553
8/2/2021 19:50	27900.001	3.961	10.907	18.55
8/2/2021 19:50	27915.001	3.96	10.925	18.553
8/2/2021 19:51	27930.001	3.961	10.923	18.55
8/2/2021 19:51	27945.001	3.96	10.926	18.551
8/2/2021 19:51	27960.001	3.96	10.911	18.551
8/2/2021 19:51	27975.001	3.961	10.916	18.549
8/2/2021 19:52	27990.001	3.96	10.913	18.551
8/2/2021 19:52	28005.001	3.96	10.903	18.552
8/2/2021 19:52	28020.001	3.959	10.912	18.554
8/2/2021 19:52	28035.001	3.96	10.917	18.552
8/2/2021 19:53	28050.001	3.961	10.915	18.549
8/2/2021 19:53	28065.001	3.962	10.936	18.548
8/2/2021 19:53	28080.001	3.961	10.932	18.55
8/2/2021 19:53	28095.001	3.962	10.888	18.548
8/2/2021 19:54	28110.001	3.963	10.916	18.545
8/2/2021 19:54	28125.001	3.962	10.909	18.547
8/2/2021 19:54	28140.001	3.96	10.907	18.551
8/2/2021 19:54	28155.001	3.961	10.919	18.55
8/2/2021 19:55	28170.001	3.96	10.913	18.553
8/2/2021 19:55	28185.001	3.962	10.922	18.546
8/2/2021 19:55	28200.001	3.96	10.931	18.551
8/2/2021 19:55	28215.001	3.961	10.891	18.549
8/2/2021 19:56	28230.001	3.961	10.922	18.549
8/2/2021 19:56	28245.001	3.961	10.906	18.549
8/2/2021 19:56	28260.001	3.959	10.89	18.553
8/2/2021 19:56	28275.001	3.959	10.925	18.554
8/2/2021 19:57	28290.001	3.962	10.913	18.547
8/2/2021 19:57	28305.001	3.961	10.906	18.549
8/2/2021 19:57	28320.001	3.959	10.922	18.554
8/2/2021 19:57	28335.001	3.961	10.915	18.55
8/2/2021 19:58	28350.001	3.958	10.915	18.555
8/2/2021 19:58	28365.001	3.96	10.909	18.551
8/2/2021 19:58	28380.001	3.959	10.915	18.553
8/2/2021 19:58	28395.001	3.962	10.927	18.548
8/2/2021 19:59	28410.001	3.961	10.899	18.55

8/2/2021 19:59	28425.001	3.96	10.904	18.552
8/2/2021 19:59	28440.001	3.958	10.915	18.555
8/2/2021 19:59	28455.001	3.961	10.897	18.55
8/2/2021 20:00	28470.001	3.96	10.904	18.552
8/2/2021 20:00	28485.001	3.96	10.932	18.551
8/2/2021 20:00	28500.001	3.961	10.917	18.549
8/2/2021 20:00	28515.001	3.96	10.925	18.552
8/2/2021 20:01	28530.001	3.959	10.925	18.553
8/2/2021 20:01	28545.001	3.959	10.906	18.553
8/2/2021 20:01	28560.001	3.96	10.909	18.552
8/2/2021 20:01	28575.001	3.96	10.898	18.552
8/2/2021 20:02	28590.001	3.964	10.896	18.544
8/2/2021 20:02	28605.001	3.96	10.917	18.552
8/2/2021 20:02	28620.001	3.96	10.912	18.551
8/2/2021 20:02	28635.001	3.959	10.906	18.553
8/2/2021 20:03	28650.001	3.958	10.912	18.555
8/2/2021 20:03	28665.001	3.958	10.913	18.556
8/2/2021 20:03	28680.001	3.959	10.895	18.553
8/2/2021 20:03	28695.001	3.96	10.912	18.553
8/2/2021 20:04	28710.001	3.961	10.897	18.549
8/2/2021 20:04	28725.001	3.959	10.916	18.554
8/2/2021 20:04	28740.001	3.961	10.901	18.549
8/2/2021 20:04	28755.001	3.959	10.915	18.554
8/2/2021 20:05	28770.001	3.959	10.898	18.554
8/2/2021 20:05	28785.001	3.96	10.91	18.551
8/2/2021 20:05	28800.001	3.96	10.912	18.552
8/2/2021 20:05	28815.001	3.96	10.93	18.552
8/2/2021 20:06	28830.001	3.961	10.913	18.549
8/2/2021 20:06	28845.001	3.96	10.91	18.553
8/2/2021 20:06	28860.001	3.96	10.91	18.552
8/2/2021 20:06	28875.001	3.96	10.903	18.553
8/2/2021 20:07	28890.001	3.959	10.903	18.553
8/2/2021 20:07	28905.001	3.961	10.907	18.549
8/2/2021 20:07	28920.001	3.958	10.911	18.555
8/2/2021 20:07	28935.001	3.961	10.908	18.55
8/2/2021 20:08	28950.001	3.96	10.903	18.551
8/2/2021 20:08	28965.001	3.962	10.891	18.546
8/2/2021 20:08	28980.001	3.962	10.934	18.548
8/2/2021 20:08	28995.001	3.96	10.917	18.552
8/2/2021 20:09	29010.001	3.959	10.9	18.554
8/2/2021 20:09	29025.001	3.961	10.893	18.548
8/2/2021 20:09	29040.001	3.961	10.892	18.549
8/2/2021 20:09	29055.001	3.962	10.93	18.547
8/2/2021 20:10	29070.001	3.958	10.881	18.557
8/2/2021 20:10	29085.001	3.961	10.903	18.551
8/2/2021 20:10	29100.001	3.958	10.894	18.556
8/2/2021 20:10	29115.001	3.96	10.905	18.552
8/2/2021 20:11	29130.001	3.958	10.887	18.556
8/2/2021 20:11	29145.001	3.963	10.918	18.545
8/2/2021 20:11	29160.001	3.961	10.909	18.549
8/2/2021 20:11	29175.001	3.962	10.89	18.548
8/2/2021 20:12	29190.001	3.958	10.889	18.556
8/2/2021 20:12	29205.001	3.96	10.911	18.553
8/2/2021 20:12	29220.001	3.961	10.904	18.549
8/2/2021 20:12	29235.001	3.961	10.917	18.549
8/2/2021 20:13	29250.001	3.96	10.913	18.552
8/2/2021 20:13	29265.001	3.956	10.917	18.56
8/2/2021 20:13	29280.001	3.959	10.905	18.553

8/2/2021 20:13	29295.001	3.96	10.921	18.551
8/2/2021 20:14	29310.001	3.96	10.892	18.551
8/2/2021 20:14	29325.001	3.96	10.909	18.552
8/2/2021 20:14	29340.001	3.959	10.91	18.555
8/2/2021 20:14	29355.001	3.961	10.898	18.55
8/2/2021 20:15	29370.001	3.961	10.931	18.549
8/2/2021 20:15	29385.001	3.96	10.909	18.552
8/2/2021 20:15	29400.001	3.96	10.92	18.552
8/2/2021 20:15	29415.001	3.96	10.911	18.552
8/2/2021 20:16	29430.001	3.96	10.903	18.552
8/2/2021 20:16	29445.001	3.96	10.907	18.551
8/2/2021 20:16	29460.001	3.958	10.915	18.556
8/2/2021 20:16	29475.001	3.96	10.916	18.553
8/2/2021 20:17	29490.001	3.959	10.908	18.553
8/2/2021 20:17	29505.001	3.962	10.888	18.548
8/2/2021 20:17	29520.001	3.96	10.904	18.552
8/2/2021 20:17	29535.001	3.96	10.875	18.553
8/2/2021 20:18	29550.001	3.959	10.896	18.555
8/2/2021 20:18	29565.001	3.961	10.889	18.549
8/2/2021 20:18	29580.001	3.959	10.906	18.554
8/2/2021 20:18	29595.001	3.961	10.922	18.55
8/2/2021 20:19	29610.001	3.962	10.896	18.548
8/2/2021 20:19	29625.001	3.962	10.898	18.548
8/2/2021 20:19	29640.001	3.96	10.935	18.552
8/2/2021 20:19	29655.001	3.961	10.912	18.549
8/2/2021 20:20	29670.001	3.961	10.883	18.549
8/2/2021 20:20	29685.001	3.96	10.918	18.552
8/2/2021 20:20	29700.001	3.961	10.895	18.55
8/2/2021 20:20	29715.001	3.961	10.885	18.55
8/2/2021 20:21	29730.001	3.959	10.89	18.553
8/2/2021 20:21	29745.001	3.96	10.901	18.552
8/2/2021 20:21	29760.001	3.959	10.903	18.554
8/2/2021 20:21	29775.001	3.961	10.9	18.55
8/2/2021 20:22	29790.001	3.961	10.893	18.55
8/2/2021 20:22	29805.001	3.96	10.894	18.553
8/2/2021 20:22	29820.001	3.961	10.896	18.549
8/2/2021 20:22	29835.001	3.96	10.898	18.553
8/2/2021 20:23	29850.001	3.962	10.891	18.548
8/2/2021 20:23	29865.001	3.959	10.886	18.555
8/2/2021 20:23	29880.001	3.962	10.9	18.547
8/2/2021 20:23	29895.001	3.96	10.905	18.552
8/2/2021 20:24	29910.001	3.96	10.893	18.551
8/2/2021 20:24	29925.001	3.958	10.892	18.556
8/2/2021 20:24	29940.001	3.958	10.883	18.556
8/2/2021 20:24	29955.001	3.959	10.912	18.553
8/2/2021 20:25	29970.001	3.96	10.882	18.551
8/2/2021 20:25	29985.001	3.96	10.896	18.553
8/2/2021 20:25	30000.001	3.96	10.888	18.553
8/2/2021 20:25	30015.001	3.96	10.917	18.551
8/2/2021 20:26	30030.001	3.96	10.887	18.551
8/2/2021 20:26	30045.001	3.96	10.889	18.552
8/2/2021 20:26	30060.001	3.96	10.917	18.551
8/2/2021 20:26	30075.001	3.962	10.892	18.548
8/2/2021 20:27	30090.001	3.962	10.898	18.548
8/2/2021 20:27	30105.001	3.958	10.884	18.556
8/2/2021 20:27	30120.001	3.958	10.894	18.556
8/2/2021 20:27	30135.001	3.961	10.89	18.55
8/2/2021 20:28	30150.001	3.961	10.912	18.549

8/2/2021 20:28	30165.001	3.96	10.887	18.551
8/2/2021 20:28	30180.001	3.961	10.915	18.55
8/2/2021 20:28	30195.001	3.957	10.887	18.559
8/2/2021 20:29	30210.001	3.961	10.901	18.549
8/2/2021 20:29	30225.001	3.959	10.898	18.553
8/2/2021 20:29	30240.001	3.958	10.893	18.556
8/2/2021 20:29	30255.001	3.961	10.892	18.549
8/2/2021 20:30	30270.001	3.959	10.904	18.554
8/2/2021 20:30	30285.001	3.959	10.912	18.553
8/2/2021 20:30	30300.001	3.96	10.864	18.551
8/2/2021 20:30	30315.001	3.96	10.9	18.552
8/2/2021 20:31	30330.001	3.96	10.875	18.553
8/2/2021 20:31	30345.001	3.96	10.908	18.551
8/2/2021 20:31	30360.001	3.96	10.909	18.552
8/2/2021 20:31	30375.001	3.959	10.886	18.554
8/2/2021 20:32	30390.001	3.959	10.905	18.554
8/2/2021 20:32	30405.001	3.96	10.909	18.551
8/2/2021 20:32	30420.001	3.959	10.881	18.554
8/2/2021 20:32	30435.001	3.958	10.915	18.557
8/2/2021 20:33	30450.001	3.959	10.899	18.554
8/2/2021 20:33	30465.001	3.96	10.886	18.551
8/2/2021 20:33	30480.001	3.961	10.929	18.55
8/2/2021 20:33	30495.001	3.96	10.87	18.551
8/2/2021 20:34	30510.001	3.96	10.885	18.552
8/2/2021 20:34	30525.001	3.96	10.903	18.552
8/2/2021 20:34	30540.001	3.961	10.903	18.55
8/2/2021 20:34	30555.001	3.96	10.909	18.551
8/2/2021 20:35	30570.001	3.96	10.911	18.552
8/2/2021 20:35	30585.001	3.958	10.905	18.556
8/2/2021 20:35	30600.001	3.959	10.892	18.553
8/2/2021 20:35	30615.001	3.962	10.896	18.548
8/2/2021 20:36	30630.001	3.963	10.895	18.545
8/2/2021 20:36	30645.001	3.961	10.867	18.549
8/2/2021 20:36	30660.001	3.959	10.894	18.554
8/2/2021 20:36	30675.001	3.959	10.886	18.554
8/2/2021 20:37	30690.001	3.962	10.895	18.547
8/2/2021 20:37	30705.001	3.959	10.916	18.554
8/2/2021 20:37	30720.001	3.958	10.862	18.557
8/2/2021 20:37	30735.001	3.961	10.898	18.55
8/2/2021 20:38	30750.001	3.961	10.92	18.549
8/2/2021 20:38	30765.001	3.96	10.907	18.552
8/2/2021 20:38	30780.001	3.959	10.89	18.554
8/2/2021 20:38	30795.001	3.96	10.901	18.552
8/2/2021 20:39	30810.001	3.96	10.878	18.552
8/2/2021 20:39	30825.001	3.96	10.88	18.553
8/2/2021 20:39	30840.001	3.962	10.895	18.547
8/2/2021 20:39	30855.001	3.96	10.907	18.552
8/2/2021 20:40	30870.001	3.96	10.902	18.552
8/2/2021 20:40	30885.001	3.958	10.865	18.556
8/2/2021 20:40	30900.001	3.959	10.909	18.555
8/2/2021 20:40	30915.001	3.959	10.882	18.554
8/2/2021 20:41	30930.001	3.961	10.892	18.549
8/2/2021 20:41	30945.001	3.959	10.898	18.554
8/2/2021 20:41	30960.001	3.961	10.898	18.55
8/2/2021 20:41	30975.001	3.959	10.897	18.555
8/2/2021 20:42	30990.001	3.96	10.9	18.551
8/2/2021 20:42	31005.001	3.961	10.895	18.55
8/2/2021 20:42	31020.001	3.96	10.873	18.551

8/2/2021 20:42	31035.001	3.96	10.891	18.553
8/2/2021 20:43	31050.001	3.961	10.876	18.549
8/2/2021 20:43	31065.001	3.962	10.876	18.547
8/2/2021 20:43	31080.001	3.958	10.877	18.556
8/2/2021 20:43	31095.001	3.96	10.893	18.552
8/2/2021 20:44	31110.001	3.962	10.898	18.546
8/2/2021 20:44	31125.001	3.961	10.903	18.55
8/2/2021 20:44	31140.001	3.958	10.878	18.555
8/2/2021 20:44	31155.001	3.961	10.915	18.549
8/2/2021 20:45	31170.001	3.961	10.898	18.55
8/2/2021 20:45	31185.001	3.962	10.891	18.548
8/2/2021 20:45	31200.001	3.961	10.896	18.549
8/2/2021 20:45	31215.001	3.963	10.906	18.545
8/2/2021 20:46	31230.001	3.96	10.875	18.553
8/2/2021 20:46	31245.001	3.96	10.911	18.552
8/2/2021 20:46	31260.001	3.96	10.865	18.551
8/2/2021 20:46	31275.001	3.958	10.892	18.555
8/2/2021 20:47	31290.001	3.96	10.878	18.552
8/2/2021 20:47	31305.001	3.961	10.868	18.549
8/2/2021 20:47	31320.001	3.96	10.89	18.552
8/2/2021 20:47	31335.001	3.959	10.924	18.553
8/2/2021 20:48	31350.001	3.96	10.899	18.551
8/2/2021 20:48	31365.001	3.958	10.898	18.555
8/2/2021 20:48	31380.001	3.961	10.889	18.55
8/2/2021 20:48	31395.001	3.961	10.893	18.549
8/2/2021 20:49	31410.001	3.96	10.884	18.553
8/2/2021 20:49	31425.001	3.961	10.896	18.55
8/2/2021 20:49	31440.001	3.96	10.893	18.551
8/2/2021 20:49	31455.001	3.96	10.895	18.552
8/2/2021 20:50	31470.001	3.96	10.911	18.552
8/2/2021 20:50	31485.001	3.96	10.895	18.552
8/2/2021 20:50	31500.001	3.96	10.899	18.551
8/2/2021 20:50	31515.001	3.959	10.877	18.553
8/2/2021 20:51	31530.001	3.96	10.886	18.552
8/2/2021 20:51	31545.001	3.961	10.89	18.55
8/2/2021 20:51	31560.001	3.96	10.881	18.551
8/2/2021 20:51	31575.001	3.96	10.873	18.553
8/2/2021 20:52	31590.001	3.959	10.893	18.555
8/2/2021 20:52	31605.001	3.962	10.914	18.548
8/2/2021 20:52	31620.001	3.961	10.901	18.55
8/2/2021 20:52	31635.001	3.96	10.86	18.553
8/2/2021 20:53	31650.001	3.958	10.889	18.557
8/2/2021 20:53	31665.001	3.958	10.886	18.555
8/2/2021 20:53	31680.001	3.96	10.891	18.551
8/2/2021 20:53	31695.001	3.96	10.894	18.551
8/2/2021 20:54	31710.001	3.962	10.892	18.548
8/2/2021 20:54	31725.001	3.958	10.927	18.556
8/2/2021 20:54	31740.001	3.958	10.902	18.557
8/2/2021 20:54	31755.001	3.962	10.895	18.547
8/2/2021 20:55	31770.001	3.961	10.9	18.549
8/2/2021 20:55	31785.001	3.961	10.894	18.551
8/2/2021 20:55	31800.001	3.96	10.878	18.553
8/2/2021 20:55	31815.001	3.959	10.908	18.553
8/2/2021 20:56	31830.001	3.959	10.873	18.553
8/2/2021 20:56	31845.001	3.958	10.912	18.557
8/2/2021 20:56	31860.001	3.961	10.864	18.549
8/2/2021 20:56	31875.001	3.964	10.907	18.543
8/2/2021 20:57	31890.001	3.96	10.895	18.551

8/2/2021 20:57	31905.001	3.96	10.904	18.552
8/2/2021 20:57	31920.001	3.959	10.895	18.554
8/2/2021 20:57	31935.001	3.961	10.903	18.549
8/2/2021 20:58	31950.001	3.959	10.87	18.553
8/2/2021 20:58	31965.001	3.96	10.885	18.551
8/2/2021 20:58	31980.001	3.962	10.89	18.548
8/2/2021 20:58	31995.001	3.959	10.87	18.554
8/2/2021 20:59	32010.001	3.959	10.881	18.553
8/2/2021 20:59	32025.001	3.961	10.892	18.549
8/2/2021 20:59	32040.001	3.96	10.89	18.551
8/2/2021 20:59	32055.001	3.961	10.897	18.55
8/2/2021 21:00	32070.001	3.96	10.887	18.553
8/2/2021 21:00	32085.001	3.959	10.895	18.553
8/2/2021 21:00	32100.001	3.96	10.885	18.551
8/2/2021 21:00	32115.001	3.958	10.895	18.557
8/2/2021 21:01	32130.001	3.96	10.9	18.552
8/2/2021 21:01	32145.001	3.958	10.896	18.556
8/2/2021 21:01	32160.001	3.961	10.903	18.55
8/2/2021 21:01	32175.001	3.958	10.877	18.556
8/2/2021 21:02	32190.001	3.958	10.905	18.556
8/2/2021 21:02	32205.001	3.96	10.873	18.551
8/2/2021 21:02	32220.001	3.96	10.873	18.552
8/2/2021 21:02	32235.001	3.96	10.908	18.552
8/2/2021 21:03	32250.001	3.958	10.911	18.555
8/2/2021 21:03	32265.001	3.96	10.884	18.552
8/2/2021 21:03	32280.001	3.958	10.886	18.556
8/2/2021 21:03	32295.001	3.961	10.889	18.55
8/2/2021 21:04	32310.001	3.958	10.897	18.557
8/2/2021 21:04	32325.001	3.962	10.894	18.548
8/2/2021 21:04	32340.001	3.958	10.883	18.556
8/2/2021 21:04	32355.001	3.962	10.898	18.548
8/2/2021 21:05	32370.001	3.96	10.896	18.553
8/2/2021 21:05	32385.001	3.959	10.887	18.554
8/2/2021 21:05	32400.001	3.959	10.884	18.553
8/2/2021 21:05	32415.001	3.959	10.898	18.553
8/2/2021 21:06	32430.001	3.961	10.885	18.549
8/2/2021 21:06	32445.001	3.958	10.903	18.555
8/2/2021 21:06	32460.001	3.959	10.885	18.553
8/2/2021 21:06	32475.001	3.96	10.881	18.551
8/2/2021 21:07	32490.001	3.958	10.904	18.557
8/2/2021 21:07	32505.001	3.96	10.894	18.553
8/2/2021 21:07	32520.001	3.96	10.882	18.551
8/2/2021 21:07	32535.001	3.961	10.892	18.55
8/2/2021 21:08	32550.001	3.96	10.893	18.551
8/2/2021 21:08	32565.001	3.958	10.907	18.556
8/2/2021 21:08	32580.001	3.958	10.889	18.556
8/2/2021 21:08	32595.001	3.96	10.903	18.551
8/2/2021 21:09	32610.001	3.959	10.877	18.555
8/2/2021 21:09	32625.001	3.961	10.898	18.55
8/2/2021 21:09	32640.001	3.958	10.89	18.556
8/2/2021 21:09	32655.001	3.96	10.867	18.551
8/2/2021 21:10	32670.001	3.96	10.882	18.552
8/2/2021 21:10	32685.001	3.959	10.895	18.554
8/2/2021 21:10	32700.001	3.962	10.892	18.547
8/2/2021 21:10	32715.001	3.959	10.881	18.554
8/2/2021 21:11	32730.001	3.961	10.883	18.55
8/2/2021 21:11	32745.001	3.961	10.88	18.55
8/2/2021 21:11	32760.001	3.961	10.879	18.549

8/2/2021 21:11	32775.001	3.959	10.89	18.554
8/2/2021 21:12	32790.001	3.96	10.921	18.552
8/2/2021 21:12	32805.001	3.96	10.873	18.552
8/2/2021 21:12	32820.001	3.961	10.881	18.548
8/2/2021 21:12	32835.001	3.96	10.885	18.552
8/2/2021 21:13	32850.001	3.958	10.883	18.557
8/2/2021 21:13	32865.001	3.958	10.876	18.556
8/2/2021 21:13	32880.001	3.961	10.909	18.55
8/2/2021 21:13	32895.001	3.959	10.863	18.555
8/2/2021 21:14	32910.001	3.958	10.901	18.556
8/2/2021 21:14	32925.001	3.96	10.9	18.552
8/2/2021 21:14	32940.001	3.959	10.875	18.554
8/2/2021 21:14	32955.001	3.96	10.882	18.552
8/2/2021 21:15	32970.001	3.96	10.884	18.551
8/2/2021 21:15	32985.001	3.96	10.901	18.552
8/2/2021 21:15	33000.001	3.959	10.87	18.553
8/2/2021 21:15	33015.001	3.96	10.899	18.551
8/2/2021 21:16	33030.001	3.959	10.895	18.554
8/2/2021 21:16	33045.001	3.958	10.881	18.556
8/2/2021 21:16	33060.001	3.958	10.862	18.556
8/2/2021 21:16	33075.001	3.959	10.887	18.553
8/2/2021 21:17	33090.001	3.961	10.852	18.551
8/2/2021 21:17	33105.001	3.958	10.875	18.557
8/2/2021 21:17	33120.001	3.96	10.882	18.552
8/2/2021 21:17	33135.001	3.96	10.884	18.553
8/2/2021 21:18	33150.001	3.96	10.862	18.552
8/2/2021 21:18	33165.001	3.96	10.872	18.552
8/2/2021 21:18	33180.001	3.96	10.858	18.552
8/2/2021 21:18	33195.001	3.96	10.876	18.552
8/2/2021 21:19	33210.001	3.96	10.881	18.551
8/2/2021 21:19	33225.001	3.96	10.879	18.552
8/2/2021 21:19	33240.001	3.959	10.888	18.554
8/2/2021 21:19	33255.001	3.959	10.881	18.555
8/2/2021 21:20	33270.001	3.957	10.903	18.558
8/2/2021 21:20	33285.001	3.959	10.853	18.554
8/2/2021 21:20	33300.001	3.961	10.87	18.55
8/2/2021 21:20	33315.001	3.958	10.862	18.557
8/2/2021 21:21	33330.001	3.958	10.903	18.557
8/2/2021 21:21	33345.001	3.96	10.875	18.552
8/2/2021 21:21	33360.001	3.96	10.887	18.552
8/2/2021 21:21	33375.001	3.957	10.895	18.558
8/2/2021 21:22	33390.001	3.96	10.89	18.553
8/2/2021 21:22	33405.001	3.961	10.873	18.55
8/2/2021 21:22	33420.001	3.96	10.879	18.551
8/2/2021 21:22	33435.001	3.958	10.883	18.556
8/2/2021 21:23	33450.001	3.96	10.881	18.552
8/2/2021 21:23	33465.001	3.958	10.881	18.556
8/2/2021 21:23	33480.001	3.959	10.884	18.554
8/2/2021 21:23	33495.001	3.959	10.888	18.554
8/2/2021 21:24	33510.001	3.959	10.89	18.554
8/2/2021 21:24	33525.001	3.957	10.876	18.558
8/2/2021 21:24	33540.001	3.96	10.889	18.552
8/2/2021 21:24	33555.001	3.96	10.878	18.552
8/2/2021 21:25	33570.001	3.959	10.887	18.554
8/2/2021 21:25	33585.001	3.959	10.897	18.554
8/2/2021 21:25	33600.001	3.959	10.911	18.555
8/2/2021 21:25	33615.001	3.957	10.898	18.558
8/2/2021 21:26	33630.001	3.958	10.885	18.557

8/2/2021 21:26	33645.001	3.961	10.895	18.549
8/2/2021 21:26	33660.001	3.959	10.898	18.553
8/2/2021 21:26	33675.001	3.958	10.894	18.557
8/2/2021 21:27	33690.001	3.961	10.884	18.55
8/2/2021 21:27	33705.001	3.959	10.883	18.553
8/2/2021 21:27	33720.001	3.961	10.872	18.549
8/2/2021 21:27	33735.001	3.96	10.867	18.552
8/2/2021 21:28	33750.001	3.959	10.894	18.554
8/2/2021 21:28	33765.001	3.958	10.873	18.556
8/2/2021 21:28	33780.001	3.961	10.878	18.55
8/2/2021 21:28	33795.001	3.958	10.876	18.556
8/2/2021 21:29	33810.001	3.959	10.891	18.553
8/2/2021 21:29	33825.001	3.96	10.902	18.551
8/2/2021 21:29	33840.001	3.958	10.887	18.555
8/2/2021 21:29	33855.001	3.959	10.867	18.553
8/2/2021 21:30	33870.001	3.96	10.852	18.552
8/2/2021 21:30	33885.001	3.959	10.874	18.555
8/2/2021 21:30	33900.001	3.96	10.893	18.551
8/2/2021 21:30	33915.001	3.96	10.887	18.551
8/2/2021 21:31	33930.001	3.96	10.892	18.553
8/2/2021 21:31	33945.001	3.959	10.881	18.554
8/2/2021 21:31	33960.001	3.959	10.897	18.553
8/2/2021 21:31	33975.001	3.958	10.894	18.556
8/2/2021 21:32	33990.001	3.961	10.87	18.55
8/2/2021 21:32	34005.001	3.958	10.886	18.555
8/2/2021 21:32	34020.001	3.957	10.857	18.558
8/2/2021 21:32	34035.001	3.959	10.892	18.553
8/2/2021 21:33	34050.001	3.96	10.897	18.552
8/2/2021 21:33	34065.001	3.959	10.892	18.555
8/2/2021 21:33	34080.001	3.958	10.91	18.556
8/2/2021 21:33	34095.001	3.959	10.887	18.555
8/2/2021 21:34	34110.001	3.959	10.884	18.554
8/2/2021 21:34	34125.001	3.96	10.89	18.551
8/2/2021 21:34	34140.001	3.96	10.893	18.551
8/2/2021 21:34	34155.001	3.959	10.887	18.555
8/2/2021 21:35	34170.001	3.959	10.884	18.554
8/2/2021 21:35	34185.001	3.959	10.909	18.555
8/2/2021 21:35	34200.001	3.96	10.877	18.552
8/2/2021 21:35	34215.001	3.959	10.895	18.555
8/2/2021 21:36	34230.001	3.956	10.873	18.561
8/2/2021 21:36	34245.001	3.958	10.903	18.557
8/2/2021 21:36	34260.001	3.959	10.89	18.554
8/2/2021 21:36	34275.001	3.959	10.894	18.553
8/2/2021 21:37	34290.001	3.961	10.873	18.55
8/2/2021 21:37	34305.001	3.958	10.889	18.556
8/2/2021 21:37	34320.001	3.959	10.892	18.554
8/2/2021 21:37	34335.001	3.96	10.871	18.551
8/2/2021 21:38	34350.001	3.959	10.881	18.555
8/2/2021 21:38	34365.001	3.959	10.905	18.555
8/2/2021 21:38	34380.001	3.958	10.867	18.557
8/2/2021 21:38	34395.001	3.959	10.881	18.554
8/2/2021 21:39	34410.001	3.959	10.903	18.555
8/2/2021 21:39	34425.001	3.96	10.865	18.553
8/2/2021 21:39	34440.001	3.958	10.892	18.555
8/2/2021 21:39	34455.001	3.959	10.903	18.554
8/2/2021 21:40	34470.001	3.958	10.868	18.557
8/2/2021 21:40	34485.001	3.957	10.901	18.558
8/2/2021 21:40	34500.001	3.959	10.877	18.553

8/2/2021 21:40	34515.001	3.958	10.877	18.555
8/2/2021 21:41	34530.001	3.96	10.861	18.553
8/2/2021 21:41	34545.001	3.959	10.884	18.555
8/2/2021 21:41	34560.001	3.957	10.892	18.559
8/2/2021 21:41	34575.001	3.957	10.895	18.558
8/2/2021 21:42	34590.001	3.958	10.872	18.555
8/2/2021 21:42	34605.001	3.959	10.86	18.554
8/2/2021 21:42	34620.001	3.959	10.856	18.553
8/2/2021 21:42	34635.001	3.959	10.89	18.554
8/2/2021 21:43	34650.001	3.96	10.856	18.552
8/2/2021 21:43	34665.001	3.958	10.873	18.556
8/2/2021 21:43	34680.001	3.96	10.884	18.553
8/2/2021 21:43	34695.001	3.957	10.884	18.558
8/2/2021 21:44	34710.001	3.959	10.859	18.555
8/2/2021 21:44	34725.001	3.959	10.873	18.554
8/2/2021 21:44	34740.001	3.959	10.903	18.554
8/2/2021 21:44	34755.001	3.959	10.863	18.553
8/2/2021 21:45	34770.001	3.958	10.884	18.557
8/2/2021 21:45	34785.001	3.96	10.887	18.551
8/2/2021 21:45	34800.001	3.959	10.852	18.555
8/2/2021 21:45	34815.001	3.961	10.876	18.55
8/2/2021 21:46	34830.001	3.959	10.873	18.554
8/2/2021 21:46	34845.001	3.957	10.881	18.558
8/2/2021 21:46	34860.001	3.957	10.875	18.558
8/2/2021 21:46	34875.001	3.962	10.884	18.548
8/2/2021 21:47	34890.001	3.961	10.893	18.551
8/2/2021 21:47	34905.001	3.96	10.891	18.551
8/2/2021 21:47	34920.001	3.958	10.876	18.556
8/2/2021 21:47	34935.001	3.958	10.901	18.556
8/2/2021 21:48	34950.001	3.959	10.876	18.555
8/2/2021 21:48	34965.001	3.96	10.907	18.552
8/2/2021 21:48	34980.001	3.957	10.865	18.558
8/2/2021 21:48	34995.001	3.959	10.882	18.555
8/2/2021 21:49	35010.001	3.958	10.867	18.556
8/2/2021 21:49	35025.001	3.96	10.869	18.552
8/2/2021 21:49	35040.001	3.96	10.884	18.552
8/2/2021 21:49	35055.001	3.96	10.888	18.551
8/2/2021 21:50	35070.001	3.958	10.856	18.557
8/2/2021 21:50	35085.001	3.958	10.854	18.557
8/2/2021 21:50	35100.001	3.959	10.879	18.553
8/2/2021 21:50	35115.001	3.96	10.899	18.551
8/2/2021 21:51	35130.001	3.96	10.881	18.552
8/2/2021 21:51	35145.001	3.959	10.901	18.554
8/2/2021 21:51	35160.001	3.96	10.894	18.551
8/2/2021 21:51	35175.001	3.957	10.859	18.558
8/2/2021 21:52	35190.001	3.959	10.869	18.555
8/2/2021 21:52	35205.001	3.96	10.862	18.552
8/2/2021 21:52	35220.001	3.959	10.902	18.554
8/2/2021 21:52	35235.001	3.958	10.861	18.556
8/2/2021 21:53	35250.001	3.959	10.898	18.553
8/2/2021 21:53	35265.001	3.958	10.87	18.556
8/2/2021 21:53	35280.001	3.956	10.87	18.56
8/2/2021 21:53	35295.001	3.96	10.857	18.553
8/2/2021 21:54	35310.001	3.959	10.862	18.553
8/2/2021 21:54	35325.001	3.957	10.873	18.559
8/2/2021 21:54	35340.001	3.958	10.884	18.556
8/2/2021 21:54	35355.001	3.958	10.875	18.556
8/2/2021 21:55	35370.001	3.959	10.874	18.555

8/2/2021 21:55	35385.001	3.957	10.878	18.558
8/2/2021 21:55	35400.001	3.957	10.878	18.559
8/2/2021 21:55	35415.001	3.961	10.886	18.55
8/2/2021 21:56	35430.001	3.958	10.868	18.556
8/2/2021 21:56	35445.001	3.958	10.883	18.556
8/2/2021 21:56	35460.001	3.957	10.857	18.559
8/2/2021 21:56	35475.001	3.959	10.87	18.554
8/2/2021 21:57	35490.001	3.959	10.865	18.553
8/2/2021 21:57	35505.001	3.959	10.867	18.554
8/2/2021 21:57	35520.001	3.958	10.881	18.555
8/2/2021 21:57	35535.001	3.957	10.882	18.558
8/2/2021 21:58	35550.001	3.957	10.892	18.559
8/2/2021 21:58	35565.001	3.959	10.86	18.553
8/2/2021 21:58	35580.001	3.958	10.885	18.557
8/2/2021 21:58	35595.001	3.958	10.885	18.557
8/2/2021 21:59	35610.001	3.959	10.863	18.554
8/2/2021 21:59	35625.001	3.959	10.884	18.555
8/2/2021 21:59	35640.001	3.959	10.889	18.554
8/2/2021 21:59	35655.001	3.958	10.892	18.556
8/2/2021 22:00	35670.001	3.958	10.879	18.556
8/2/2021 22:00	35685.001	3.958	10.891	18.555
8/2/2021 22:00	35700.001	3.958	10.867	18.556
8/2/2021 22:00	35715.001	3.957	10.866	18.558
8/2/2021 22:01	35730.001	3.96	10.87	18.552
8/2/2021 22:01	35745.001	3.959	10.909	18.555
8/2/2021 22:01	35760.001	3.959	10.865	18.555
8/2/2021 22:01	35775.001	3.959	10.874	18.553
8/2/2021 22:02	35790.001	3.96	10.885	18.551
8/2/2021 22:02	35805.001	3.96	10.901	18.552
8/2/2021 22:02	35820.001	3.958	10.867	18.556
8/2/2021 22:02	35835.001	3.959	10.901	18.553
8/2/2021 22:03	35850.001	3.96	10.864	18.551
8/2/2021 22:03	35865.001	3.96	10.856	18.552
8/2/2021 22:03	35880.001	3.959	10.862	18.554
8/2/2021 22:03	35895.001	3.959	10.871	18.555
8/2/2021 22:04	35910.001	3.958	10.884	18.556
8/2/2021 22:04	35925.001	3.959	10.872	18.554
8/2/2021 22:04	35940.001	3.959	10.872	18.555
8/2/2021 22:04	35955.001	3.958	10.869	18.556
8/2/2021 22:05	35970.001	3.959	10.881	18.554
8/2/2021 22:05	35985.001	3.958	10.874	18.557
8/2/2021 22:05	36000.001	3.958	10.856	18.557
8/2/2021 22:05	36015.001	3.958	10.873	18.557
8/2/2021 22:06	36030.001	3.957	10.859	18.558
8/2/2021 22:06	36045.001	3.959	10.882	18.555
8/2/2021 22:06	36060.001	3.959	10.873	18.555
8/2/2021 22:06	36075.001	3.959	10.873	18.555
8/2/2021 22:07	36090.001	3.959	10.899	18.555
8/2/2021 22:07	36105.001	3.957	10.895	18.558
8/2/2021 22:07	36120.001	3.958	10.857	18.556
8/2/2021 22:07	36135.001	3.957	10.87	18.558
8/2/2021 22:08	36150.001	3.959	10.873	18.554
8/2/2021 22:08	36165.001	3.959	10.88	18.554
8/2/2021 22:08	36180.001	3.959	10.903	18.555
8/2/2021 22:08	36195.001	3.958	10.873	18.556
8/2/2021 22:09	36210.001	3.958	10.877	18.556
8/2/2021 22:09	36225.001	3.958	10.886	18.555
8/2/2021 22:09	36240.001	3.958	10.884	18.555

8/2/2021 22:09	36255.001	3.957	10.887	18.558
8/2/2021 22:10	36270.001	3.957	10.876	18.559
8/2/2021 22:10	36285.001	3.959	10.884	18.553
8/2/2021 22:10	36300.001	3.959	10.885	18.553
8/2/2021 22:10	36315.001	3.959	10.892	18.553
8/2/2021 22:11	36330.001	3.959	10.844	18.554
8/2/2021 22:11	36345.001	3.958	10.873	18.556
8/2/2021 22:11	36360.001	3.957	10.871	18.558
8/2/2021 22:11	36375.001	3.959	10.89	18.553
8/2/2021 22:12	36390.001	3.957	10.877	18.558
8/2/2021 22:12	36405.001	3.959	10.86	18.554
8/2/2021 22:12	36420.001	3.958	10.901	18.557
8/2/2021 22:12	36435.001	3.957	10.852	18.558
8/2/2021 22:13	36450.001	3.958	10.881	18.556
8/2/2021 22:13	36465.001	3.957	10.898	18.558
8/2/2021 22:13	36480.001	3.959	10.885	18.555
8/2/2021 22:13	36495.001	3.958	10.873	18.556
8/2/2021 22:14	36510.001	3.96	10.862	18.552
8/2/2021 22:14	36525.001	3.959	10.876	18.555
8/2/2021 22:14	36540.001	3.957	10.88	18.559
8/2/2021 22:14	36555.001	3.959	10.862	18.554
8/2/2021 22:15	36570.001	3.957	10.913	18.559
8/2/2021 22:15	36585.001	3.958	10.884	18.556
8/2/2021 22:15	36600.001	3.957	10.848	18.558
8/2/2021 22:15	36615.001	3.957	10.878	18.558
8/2/2021 22:16	36630.001	3.96	10.873	18.551
8/2/2021 22:16	36645.001	3.956	10.86	18.56
8/2/2021 22:16	36660.001	3.959	10.884	18.553
8/2/2021 22:16	36675.001	3.955	10.854	18.563
8/2/2021 22:17	36690.001	3.958	10.855	18.557
8/2/2021 22:17	36705.001	3.959	10.867	18.554
8/2/2021 22:17	36720.001	3.956	10.885	18.56
8/2/2021 22:17	36735.001	3.959	10.878	18.553
8/2/2021 22:18	36750.001	3.958	10.873	18.557
8/2/2021 22:18	36765.001	3.957	10.87	18.56
8/2/2021 22:18	36780.001	3.957	10.877	18.558
8/2/2021 22:18	36795.001	3.959	10.874	18.554
8/2/2021 22:19	36810.001	3.959	10.867	18.555
8/2/2021 22:19	36825.001	3.961	10.884	18.551
8/2/2021 22:19	36840.001	3.958	10.856	18.556
8/2/2021 22:19	36855.001	3.958	10.867	18.557
8/2/2021 22:20	36870.001	3.957	10.895	18.56
8/2/2021 22:20	36885.001	3.958	10.87	18.556
8/2/2021 22:20	36900.001	3.958	10.856	18.556
8/2/2021 22:20	36915.001	3.958	10.873	18.557
8/2/2021 22:21	36930.001	3.959	10.881	18.555
8/2/2021 22:21	36945.001	3.959	10.892	18.553
8/2/2021 22:21	36960.001	3.957	10.856	18.559
8/2/2021 22:21	36975.001	3.959	10.871	18.553
8/2/2021 22:22	36990.001	3.957	10.859	18.558
8/2/2021 22:22	37005.001	3.961	10.87	18.55
8/2/2021 22:22	37020.001	3.959	10.885	18.553
8/2/2021 22:22	37035.001	3.957	10.848	18.559
8/2/2021 22:23	37050.001	3.958	10.88	18.557
8/2/2021 22:23	37065.001	3.959	10.873	18.555
8/2/2021 22:23	37080.001	3.958	10.872	18.556
8/2/2021 22:23	37095.001	3.956	10.887	18.561
8/2/2021 22:24	37110.001	3.955	10.863	18.564

8/2/2021 22:24	37125.001	3.958	10.861	18.556
8/2/2021 22:24	37140.001	3.958	10.854	18.557
8/2/2021 22:24	37155.001	3.959	10.867	18.553
8/2/2021 22:25	37170.001	3.958	10.863	18.557
8/2/2021 22:25	37185.001	3.96	10.843	18.553
8/2/2021 22:25	37200.001	3.957	10.887	18.559
8/2/2021 22:25	37215.001	3.958	10.878	18.556
8/2/2021 22:26	37230.001	3.959	10.881	18.553
8/2/2021 22:26	37245.001	3.958	10.86	18.556
8/2/2021 22:26	37260.001	3.959	10.876	18.554
8/2/2021 22:26	37275.001	3.957	10.856	18.558
8/2/2021 22:27	37290.001	3.959	10.868	18.555
8/2/2021 22:27	37305.001	3.958	10.881	18.556
8/2/2021 22:27	37320.001	3.96	10.891	18.552
8/2/2021 22:27	37335.001	3.959	10.877	18.555
8/2/2021 22:28	37350.001	3.958	10.878	18.556
8/2/2021 22:28	37365.001	3.959	10.891	18.554
8/2/2021 22:28	37380.001	3.959	10.885	18.554
8/2/2021 22:28	37395.001	3.959	10.876	18.553
8/2/2021 22:29	37410.001	3.958	10.898	18.555
8/2/2021 22:29	37425.001	3.957	10.876	18.558
8/2/2021 22:29	37440.001	3.959	10.855	18.555
8/2/2021 22:29	37455.001	3.957	10.877	18.558
8/2/2021 22:30	37470.001	3.957	10.89	18.558
8/2/2021 22:30	37485.001	3.956	10.871	18.561
8/2/2021 22:30	37500.001	3.957	10.869	18.56
8/2/2021 22:30	37515.001	3.957	10.86	18.558
8/2/2021 22:31	37530.001	3.959	10.87	18.555
8/2/2021 22:31	37545.001	3.959	10.861	18.553
8/2/2021 22:31	37560.001	3.957	10.872	18.558
8/2/2021 22:31	37575.001	3.959	10.873	18.555
8/2/2021 22:32	37590.001	3.958	10.861	18.557
8/2/2021 22:32	37605.001	3.958	10.89	18.556
8/2/2021 22:32	37620.001	3.956	10.877	18.561
8/2/2021 22:32	37635.001	3.959	10.851	18.555
8/2/2021 22:33	37650.001	3.957	10.867	18.558
8/2/2021 22:33	37665.001	3.958	10.872	18.556
8/2/2021 22:33	37680.001	3.958	10.887	18.556
8/2/2021 22:33	37695.001	3.957	10.859	18.559
8/2/2021 22:34	37710.001	3.958	10.868	18.557
8/2/2021 22:34	37725.001	3.958	10.878	18.557
8/2/2021 22:34	37740.001	3.958	10.856	18.557
8/2/2021 22:34	37755.001	3.959	10.862	18.553
8/2/2021 22:35	37770.001	3.958	10.878	18.556
8/2/2021 22:35	37785.001	3.956	10.87	18.561
8/2/2021 22:35	37800.001	3.958	10.863	18.556
8/2/2021 22:35	37815.001	3.958	10.898	18.557
8/2/2021 22:36	37830.001	3.958	10.865	18.557
8/2/2021 22:36	37845.001	3.958	10.859	18.557
8/2/2021 22:36	37860.001	3.957	10.892	18.558
8/2/2021 22:36	37875.001	3.957	10.856	18.558
8/2/2021 22:37	37890.001	3.958	10.871	18.557
8/2/2021 22:37	37905.001	3.958	10.871	18.557
8/2/2021 22:37	37920.001	3.958	10.855	18.556
8/2/2021 22:37	37935.001	3.957	10.87	18.558
8/2/2021 22:38	37950.001	3.957	10.849	18.558
8/2/2021 22:38	37965.001	3.956	10.881	18.561
8/2/2021 22:38	37980.001	3.958	10.852	18.557

8/2/2021 22:38	37995.001	3.958	10.865	18.556
8/2/2021 22:39	38010.001	3.96	10.837	18.552
8/2/2021 22:39	38025.001	3.958	10.876	18.557
8/2/2021 22:39	38040.001	3.958	10.875	18.557
8/2/2021 22:39	38055.001	3.958	10.881	18.557
8/2/2021 22:40	38070.001	3.958	10.872	18.557
8/2/2021 22:40	38085.001	3.958	10.844	18.556
8/2/2021 22:40	38100.001	3.957	10.87	18.558
8/2/2021 22:40	38115.001	3.956	10.87	18.561
8/2/2021 22:41	38130.001	3.957	10.892	18.56
8/2/2021 22:41	38145.001	3.958	10.863	18.556
8/2/2021 22:41	38160.001	3.96	10.868	18.551
8/2/2021 22:41	38175.001	3.957	10.861	18.559
8/2/2021 22:42	38190.001	3.957	10.864	18.558
8/2/2021 22:42	38205.001	3.957	10.862	18.558
8/2/2021 22:42	38220.001	3.96	10.878	18.552
8/2/2021 22:42	38235.001	3.958	10.864	18.556
8/2/2021 22:43	38250.001	3.958	10.887	18.557
8/2/2021 22:43	38265.001	3.957	10.88	18.558
8/2/2021 22:43	38280.001	3.957	10.867	18.558
8/2/2021 22:43	38295.001	3.958	10.866	18.556
8/2/2021 22:44	38310.001	3.957	10.879	18.558
8/2/2021 22:44	38325.001	3.957	10.873	18.558
8/2/2021 22:44	38340.001	3.958	10.878	18.556
8/2/2021 22:44	38355.001	3.956	10.875	18.561
8/2/2021 22:45	38370.001	3.956	10.864	18.56
8/2/2021 22:45	38385.001	3.957	10.865	18.558
8/2/2021 22:45	38400.001	3.958	10.867	18.557
8/2/2021 22:45	38415.001	3.958	10.873	18.556
8/2/2021 22:46	38430.001	3.958	10.862	18.557
8/2/2021 22:46	38445.001	3.959	10.889	18.555
8/2/2021 22:46	38460.001	3.958	10.882	18.557
8/2/2021 22:46	38475.001	3.956	10.878	18.561
8/2/2021 22:47	38490.001	3.955	10.878	18.563
8/2/2021 22:47	38505.001	3.958	10.863	18.557
8/2/2021 22:47	38520.001	3.957	10.86	18.559
8/2/2021 22:47	38535.001	3.958	10.872	18.557
8/2/2021 22:48	38550.001	3.958	10.875	18.556
8/2/2021 22:48	38565.001	3.958	10.854	18.556
8/2/2021 22:48	38580.001	3.955	10.86	18.563
8/2/2021 22:48	38595.001	3.955	10.878	18.563
8/2/2021 22:49	38610.001	3.957	10.875	18.559
8/2/2021 22:49	38625.001	3.958	10.866	18.556
8/2/2021 22:49	38640.001	3.956	10.864	18.56
8/2/2021 22:49	38655.001	3.955	10.858	18.562
8/2/2021 22:50	38670.001	3.956	10.852	18.56
8/2/2021 22:50	38685.001	3.958	10.867	18.557
8/2/2021 22:50	38700.001	3.96	10.86	18.553
8/2/2021 22:50	38715.001	3.957	10.872	18.559
8/2/2021 22:51	38730.001	3.958	10.875	18.557
8/2/2021 22:51	38745.001	3.957	10.867	18.559
8/2/2021 22:51	38760.001	3.956	10.872	18.56
8/2/2021 22:51	38775.001	3.956	10.859	18.562
8/2/2021 22:52	38790.001	3.955	10.873	18.562
8/2/2021 22:52	38805.001	3.957	10.866	18.559
8/2/2021 22:52	38820.001	3.959	10.855	18.555
8/2/2021 22:52	38835.001	3.959	10.877	18.554
8/2/2021 22:53	38850.001	3.96	10.844	18.553

8/2/2021 22:53	38865.001	3.956	10.861	18.562
8/2/2021 22:53	38880.001	3.957	10.859	18.559
8/2/2021 22:53	38895.001	3.958	10.878	18.557
8/2/2021 22:54	38910.001	3.956	10.879	18.56
8/2/2021 22:54	38925.001	3.958	10.851	18.556
8/2/2021 22:54	38940.001	3.955	10.875	18.564
8/2/2021 22:54	38955.001	3.958	10.86	18.557
8/2/2021 22:55	38970.001	3.958	10.856	18.557
8/2/2021 22:55	38985.001	3.958	10.868	18.557
8/2/2021 22:55	39000.001	3.957	10.866	18.559
8/2/2021 22:55	39015.001	3.957	10.898	18.559
8/2/2021 22:56	39030.001	3.956	10.845	18.562
8/2/2021 22:56	39045.001	3.958	10.862	18.556
8/2/2021 22:56	39060.001	3.959	10.87	18.554
8/2/2021 22:56	39075.001	3.958	10.864	18.555
8/2/2021 22:57	39090.001	3.956	10.869	18.561
8/2/2021 22:57	39105.001	3.957	10.887	18.559
8/2/2021 22:57	39120.001	3.955	10.856	18.564
8/2/2021 22:57	39135.001	3.957	10.857	18.56
8/2/2021 22:58	39150.001	3.956	10.883	18.562
8/2/2021 22:58	39165.001	3.959	10.867	18.555
8/2/2021 22:58	39180.001	3.958	10.86	18.557
8/2/2021 22:58	39195.001	3.957	10.878	18.559
8/2/2021 22:59	39210.001	3.955	10.865	18.562
8/2/2021 22:59	39225.001	3.958	10.866	18.557
8/2/2021 22:59	39240.001	3.956	10.847	18.561
8/2/2021 22:59	39255.001	3.956	10.855	18.561
8/2/2021 23:00	39270.001	3.958	10.867	18.556
8/2/2021 23:00	39285.001	3.957	10.867	18.56
8/2/2021 23:00	39300.001	3.957	10.858	18.559
8/2/2021 23:00	39315.001	3.958	10.851	18.556
8/2/2021 23:01	39330.001	3.956	10.881	18.56
8/2/2021 23:01	39345.001	3.958	10.862	18.556
8/2/2021 23:01	39360.001	3.955	10.875	18.562
8/2/2021 23:01	39375.001	3.957	10.861	18.558
8/2/2021 23:02	39390.001	3.956	10.874	18.56
8/2/2021 23:02	39405.001	3.955	10.872	18.562
8/2/2021 23:02	39420.001	3.956	10.854	18.561
8/2/2021 23:02	39435.001	3.957	10.857	18.558
8/2/2021 23:03	39450.001	3.957	10.862	18.559
8/2/2021 23:03	39465.001	3.958	10.87	18.557
8/2/2021 23:03	39480.001	3.956	10.856	18.56
8/2/2021 23:03	39495.001	3.956	10.876	18.56
8/2/2021 23:04	39510.001	3.958	10.878	18.557
8/2/2021 23:04	39525.001	3.958	10.866	18.557
8/2/2021 23:04	39540.001	3.957	10.847	18.558
8/2/2021 23:04	39555.001	3.958	10.864	18.556
8/2/2021 23:05	39570.001	3.959	10.843	18.555
8/2/2021 23:05	39585.001	3.957	10.859	18.559
8/2/2021 23:05	39600.001	3.957	10.852	18.559
8/2/2021 23:05	39615.001	3.957	10.874	18.559
8/2/2021 23:06	39630.001	3.955	10.871	18.563
8/2/2021 23:06	39645.001	3.958	10.851	18.557
8/2/2021 23:06	39660.001	3.957	10.869	18.558
8/2/2021 23:06	39675.001	3.956	10.888	18.561
8/2/2021 23:07	39690.001	3.958	10.864	18.556
8/2/2021 23:07	39705.001	3.958	10.87	18.556
8/2/2021 23:07	39720.001	3.957	10.874	18.558

8/2/2021 23:07	39735.001	3.956	10.877	18.56
8/2/2021 23:08	39750.001	3.956	10.858	18.56
8/2/2021 23:08	39765.001	3.957	10.846	18.56
8/2/2021 23:08	39780.001	3.956	10.847	18.561
8/2/2021 23:08	39795.001	3.957	10.873	18.558
8/2/2021 23:09	39810.001	3.957	10.885	18.56
8/2/2021 23:09	39825.001	3.955	10.87	18.564
8/2/2021 23:09	39840.001	3.956	10.853	18.56
8/2/2021 23:09	39855.001	3.956	10.854	18.561
8/2/2021 23:10	39870.001	3.955	10.859	18.563
8/2/2021 23:10	39885.001	3.957	10.881	18.56
8/2/2021 23:10	39900.001	3.957	10.86	18.56
8/2/2021 23:10	39915.001	3.957	10.869	18.559
8/2/2021 23:11	39930.001	3.954	10.873	18.565
8/2/2021 23:11	39945.001	3.957	10.848	18.559
8/2/2021 23:11	39960.001	3.958	10.858	18.557
8/2/2021 23:11	39975.001	3.957	10.876	18.558
8/2/2021 23:12	39990.001	3.955	10.862	18.564
8/2/2021 23:12	40005.001	3.957	10.881	18.558
8/2/2021 23:12	40020.001	3.956	10.884	18.562
8/2/2021 23:12	40035.001	3.957	10.865	18.559
8/2/2021 23:13	40050.001	3.957	10.851	18.558
8/2/2021 23:13	40065.001	3.956	10.852	18.56
8/2/2021 23:13	40080.001	3.956	10.852	18.56
8/2/2021 23:13	40095.001	3.958	10.842	18.557
8/2/2021 23:14	40110.001	3.953	10.861	18.567
8/2/2021 23:14	40125.001	3.956	10.846	18.561
8/2/2021 23:14	40140.001	3.958	10.872	18.557
8/2/2021 23:14	40155.001	3.958	10.887	18.556
8/2/2021 23:15	40170.001	3.956	10.876	18.561
8/2/2021 23:15	40185.001	3.956	10.859	18.561
8/2/2021 23:15	40200.001	3.957	10.876	18.558
8/2/2021 23:15	40215.001	3.956	10.864	18.562
8/2/2021 23:16	40230.001	3.958	10.881	18.557
8/2/2021 23:16	40245.001	3.958	10.86	18.556
8/2/2021 23:16	40260.001	3.957	10.862	18.559
8/2/2021 23:16	40275.001	3.959	10.876	18.554
8/2/2021 23:17	40290.001	3.954	10.85	18.565
8/2/2021 23:17	40305.001	3.957	10.867	18.559
8/2/2021 23:17	40320.001	3.957	10.865	18.558
8/2/2021 23:17	40335.001	3.956	10.86	18.56
8/2/2021 23:18	40350.001	3.957	10.861	18.56
8/2/2021 23:18	40365.001	3.956	10.847	18.561
8/2/2021 23:18	40380.001	3.956	10.878	18.561
8/2/2021 23:18	40395.001	3.956	10.851	18.561
8/2/2021 23:19	40410.001	3.956	10.869	18.561
8/2/2021 23:19	40425.001	3.957	10.854	18.559
8/2/2021 23:19	40440.001	3.955	10.872	18.563
8/2/2021 23:19	40455.001	3.956	10.856	18.56
8/2/2021 23:20	40470.001	3.957	10.87	18.558
8/2/2021 23:20	40485.001	3.956	10.877	18.561
8/2/2021 23:20	40500.001	3.958	10.854	18.557
8/2/2021 23:20	40515.001	3.957	10.851	18.558
8/2/2021 23:21	40530.001	3.957	10.836	18.558
8/2/2021 23:21	40545.001	3.957	10.862	18.559
8/2/2021 23:21	40560.001	3.957	10.861	18.56
8/2/2021 23:21	40575.001	3.957	10.86	18.56
8/2/2021 23:22	40590.001	3.957	10.857	18.559

8/2/2021 23:22	40605.001	3.957	10.878	18.558
8/2/2021 23:22	40620.001	3.956	10.859	18.561
8/2/2021 23:22	40635.001	3.955	10.866	18.563
8/2/2021 23:23	40650.001	3.956	10.87	18.561
8/2/2021 23:23	40665.001	3.956	10.842	18.56
8/2/2021 23:23	40680.001	3.955	10.862	18.562
8/2/2021 23:23	40695.001	3.955	10.868	18.564
8/2/2021 23:24	40710.001	3.956	10.858	18.562
8/2/2021 23:24	40725.001	3.955	10.851	18.564
8/2/2021 23:24	40740.001	3.957	10.851	18.559
8/2/2021 23:24	40755.001	3.957	10.859	18.558
8/2/2021 23:25	40770.001	3.957	10.856	18.558
8/2/2021 23:25	40785.001	3.958	10.872	18.556
8/2/2021 23:25	40800.001	3.958	10.873	18.557
8/2/2021 23:25	40815.001	3.958	10.851	18.556
8/2/2021 23:26	40830.001	3.958	10.859	18.557
8/2/2021 23:26	40845.001	3.959	10.89	18.554
8/2/2021 23:26	40860.001	3.957	10.849	18.558
8/2/2021 23:26	40875.001	3.959	10.869	18.553
8/2/2021 23:27	40890.001	3.956	10.851	18.561
8/2/2021 23:27	40905.001	3.957	10.86	18.558
8/2/2021 23:27	40920.001	3.956	10.861	18.561
8/2/2021 23:27	40935.001	3.958	10.859	18.557
8/2/2021 23:28	40950.001	3.956	10.894	18.561
8/2/2021 23:28	40965.001	3.955	10.87	18.562
8/2/2021 23:28	40980.001	3.956	10.881	18.56
8/2/2021 23:28	40995.001	3.958	10.884	18.558
8/2/2021 23:29	41010.001	3.956	10.894	18.561
8/2/2021 23:29	41025.001	3.959	10.826	18.555
8/2/2021 23:29	41040.001	3.957	10.867	18.558
8/2/2021 23:29	41055.001	3.957	10.844	18.558
8/2/2021 23:30	41070.001	3.956	10.871	18.56
8/2/2021 23:30	41085.001	3.958	10.876	18.556
8/2/2021 23:30	41100.001	3.957	10.854	18.558
8/2/2021 23:30	41115.001	3.958	10.852	18.555
8/2/2021 23:31	41130.001	3.955	10.88	18.563
8/2/2021 23:31	41145.001	3.957	10.866	18.558
8/2/2021 23:31	41160.001	3.958	10.867	18.557
8/2/2021 23:31	41175.001	3.954	10.848	18.565
8/2/2021 23:32	41190.001	3.957	10.873	18.559
8/2/2021 23:32	41205.001	3.957	10.862	18.559
8/2/2021 23:32	41220.001	3.957	10.864	18.559
8/2/2021 23:32	41235.001	3.957	10.873	18.558
8/2/2021 23:33	41250.001	3.958	10.863	18.556
8/2/2021 23:33	41265.001	3.957	10.851	18.558
8/2/2021 23:33	41280.001	3.957	10.852	18.56
8/2/2021 23:33	41295.001	3.957	10.866	18.558
8/2/2021 23:34	41310.001	3.958	10.877	18.556
8/2/2021 23:34	41325.001	3.958	10.866	18.557
8/2/2021 23:34	41340.001	3.955	10.883	18.562
8/2/2021 23:34	41355.001	3.957	10.872	18.559
8/2/2021 23:35	41370.001	3.958	10.848	18.557
8/2/2021 23:35	41385.001	3.956	10.849	18.561
8/2/2021 23:35	41400.001	3.956	10.852	18.56
8/2/2021 23:35	41415.001	3.958	10.828	18.557
8/2/2021 23:36	41430.001	3.958	10.856	18.557
8/2/2021 23:36	41445.001	3.958	10.864	18.557
8/2/2021 23:36	41460.001	3.957	10.854	18.559

8/2/2021 23:36	41475.001	3.957	10.873	18.558
8/2/2021 23:37	41490.001	3.955	10.873	18.563
8/2/2021 23:37	41505.001	3.957	10.86	18.558
8/2/2021 23:37	41520.001	3.955	10.876	18.564
8/2/2021 23:37	41535.001	3.958	10.859	18.557
8/2/2021 23:38	41550.001	3.957	10.882	18.558
8/2/2021 23:38	41565.001	3.955	10.857	18.563
8/2/2021 23:38	41580.001	3.957	10.837	18.558
8/2/2021 23:38	41595.001	3.956	10.851	18.56
8/2/2021 23:39	41610.001	3.956	10.87	18.562
8/2/2021 23:39	41625.001	3.958	10.873	18.557
8/2/2021 23:39	41640.001	3.957	10.866	18.56
8/2/2021 23:39	41655.001	3.957	10.847	18.56
8/2/2021 23:40	41670.001	3.959	10.854	18.555
8/2/2021 23:40	41685.001	3.956	10.851	18.561
8/2/2021 23:40	41700.001	3.955	10.865	18.564
8/2/2021 23:40	41715.001	3.957	10.841	18.559
8/2/2021 23:41	41730.001	3.954	10.855	18.565
8/2/2021 23:41	41745.001	3.957	10.854	18.558
8/2/2021 23:41	41760.001	3.956	10.865	18.56
8/2/2021 23:41	41775.001	3.956	10.858	18.561
8/2/2021 23:42	41790.001	3.957	10.844	18.559
8/2/2021 23:42	41805.001	3.956	10.884	18.561
8/2/2021 23:42	41820.001	3.956	10.867	18.561
8/2/2021 23:42	41835.001	3.957	10.857	18.558
8/2/2021 23:43	41850.001	3.959	10.862	18.554
8/2/2021 23:43	41865.001	3.957	10.879	18.558
8/2/2021 23:43	41880.001	3.956	10.86	18.562
8/2/2021 23:43	41895.001	3.955	10.868	18.564
8/2/2021 23:44	41910.001	3.956	10.861	18.562
8/2/2021 23:44	41925.001	3.958	10.883	18.556
8/2/2021 23:44	41940.001	3.958	10.851	18.557
8/2/2021 23:44	41955.001	3.956	10.849	18.562
8/2/2021 23:45	41970.001	3.959	10.862	18.554
8/2/2021 23:45	41985.001	3.957	10.851	18.558
8/2/2021 23:45	42000.001	3.956	10.862	18.561
8/2/2021 23:45	42015.001	3.957	10.859	18.56
8/2/2021 23:46	42030.001	3.956	10.858	18.561
8/2/2021 23:46	42045.001	3.957	10.863	18.558
8/2/2021 23:46	42060.001	3.958	10.855	18.557
8/2/2021 23:46	42075.001	3.958	10.822	18.557
8/2/2021 23:47	42090.001	3.957	10.858	18.558
8/2/2021 23:47	42105.001	3.956	10.859	18.561
8/2/2021 23:47	42120.001	3.954	10.843	18.564
8/2/2021 23:47	42135.001	3.955	10.882	18.563
8/2/2021 23:48	42150.001	3.955	10.863	18.563
8/2/2021 23:48	42165.001	3.957	10.858	18.559
8/2/2021 23:48	42180.001	3.956	10.858	18.562
8/2/2021 23:48	42195.001	3.957	10.868	18.558
8/2/2021 23:49	42210.001	3.957	10.849	18.56
8/2/2021 23:49	42225.001	3.956	10.865	18.562
8/2/2021 23:49	42240.001	3.958	10.838	18.556
8/2/2021 23:49	42255.001	3.959	10.867	18.555
8/2/2021 23:50	42270.001	3.957	10.878	18.558
8/2/2021 23:50	42285.001	3.955	10.867	18.563
8/2/2021 23:50	42300.001	3.956	10.878	18.56
8/2/2021 23:50	42315.001	3.958	10.869	18.556
8/2/2021 23:51	42330.001	3.956	10.846	18.562

8/2/2021 23:51	42345.001	3.959	10.878	18.555
8/2/2021 23:51	42360.001	3.955	10.859	18.562
8/2/2021 23:51	42375.001	3.957	10.869	18.558
8/2/2021 23:52	42390.001	3.956	10.856	18.561
8/2/2021 23:52	42405.001	3.956	10.859	18.561
8/2/2021 23:52	42420.001	3.957	10.853	18.559
8/2/2021 23:52	42435.001	3.958	10.86	18.557
8/2/2021 23:53	42450.001	3.957	10.84	18.559
8/2/2021 23:53	42465.001	3.958	10.865	18.557
8/2/2021 23:53	42480.001	3.957	10.862	18.56
8/2/2021 23:53	42495.001	3.958	10.858	18.557
8/2/2021 23:54	42510.001	3.956	10.855	18.561
8/2/2021 23:54	42525.001	3.957	10.865	18.559
8/2/2021 23:54	42540.001	3.957	10.851	18.558
8/2/2021 23:54	42555.001	3.957	10.862	18.558
8/2/2021 23:55	42570.001	3.958	10.862	18.556
8/2/2021 23:55	42585.001	3.955	10.854	18.563
8/2/2021 23:55	42600.001	3.954	10.86	18.565
8/2/2021 23:55	42615.001	3.959	10.876	18.555
8/2/2021 23:56	42630.001	3.955	10.86	18.564
8/2/2021 23:56	42645.001	3.956	10.856	18.561
8/2/2021 23:56	42660.001	3.958	10.899	18.557
8/2/2021 23:56	42675.001	3.955	10.855	18.564
8/2/2021 23:57	42690.001	3.958	10.851	18.557
8/2/2021 23:57	42705.001	3.955	10.864	18.564
8/2/2021 23:57	42720.001	3.958	10.876	18.557
8/2/2021 23:57	42735.001	3.955	10.855	18.564
8/2/2021 23:58	42750.001	3.957	10.87	18.559
8/2/2021 23:58	42765.001	3.959	10.862	18.554
8/2/2021 23:58	42780.001	3.957	10.874	18.558
8/2/2021 23:58	42795.001	3.957	10.849	18.559
8/2/2021 23:59	42810.001	3.958	10.88	18.556
8/2/2021 23:59	42825.001	3.957	10.865	18.558
8/2/2021 23:59	42840.001	3.958	10.86	18.557
8/2/2021 23:59	42855.001	3.956	10.864	18.561
8/3/2021 0:00	42870.001	3.956	10.87	18.561
8/3/2021 0:00	42885.001	3.959	10.855	18.554
8/3/2021 0:00	42900.001	3.956	10.873	18.561
8/3/2021 0:00	42915.001	3.956	10.845	18.562
8/3/2021 0:01	42930.001	3.956	10.867	18.56
8/3/2021 0:01	42945.001	3.957	10.845	18.558
8/3/2021 0:01	42960.001	3.957	10.837	18.56
8/3/2021 0:01	42975.001	3.956	10.862	18.561
8/3/2021 0:02	42990.001	3.958	10.853	18.557
8/3/2021 0:02	43005.001	3.956	10.848	18.561
8/3/2021 0:02	43020.001	3.956	10.869	18.56
8/3/2021 0:02	43035.001	3.956	10.855	18.561
8/3/2021 0:03	43050.001	3.955	10.859	18.564
8/3/2021 0:03	43065.001	3.957	10.855	18.559
8/3/2021 0:03	43080.001	3.956	10.871	18.562
8/3/2021 0:03	43095.001	3.958	10.835	18.557
8/3/2021 0:04	43110.001	3.958	10.889	18.556
8/3/2021 0:04	43125.001	3.957	10.879	18.558
8/3/2021 0:04	43140.001	3.958	10.839	18.557
8/3/2021 0:04	43155.001	3.956	10.883	18.562
8/3/2021 0:05	43170.001	3.955	10.845	18.563
8/3/2021 0:05	43185.001	3.956	10.878	18.56
8/3/2021 0:05	43200.001	3.956	10.833	18.562

8/3/2021 0:05	43215.001	3.956	10.864	18.56
8/3/2021 0:06	43230.001	3.956	10.837	18.56
8/3/2021 0:06	43245.001	3.955	10.862	18.562
8/3/2021 0:06	43260.001	3.955	10.879	18.563
8/3/2021 0:06	43275.001	3.958	10.846	18.557
8/3/2021 0:07	43290.001	3.954	10.87	18.565
8/3/2021 0:07	43305.001	3.956	10.829	18.561
8/3/2021 0:07	43320.001	3.958	10.859	18.557
8/3/2021 0:07	43335.001	3.959	10.851	18.555
8/3/2021 0:08	43350.001	3.955	10.85	18.564
8/3/2021 0:08	43365.001	3.956	10.863	18.56
8/3/2021 0:08	43380.001	3.954	10.859	18.566
8/3/2021 0:08	43395.001	3.957	10.861	18.559
8/3/2021 0:09	43410.001	3.956	10.841	18.561
8/3/2021 0:09	43425.001	3.956	10.866	18.561
8/3/2021 0:09	43440.001	3.955	10.84	18.564
8/3/2021 0:09	43455.001	3.956	10.844	18.562
8/3/2021 0:10	43470.001	3.955	10.868	18.563
8/3/2021 0:10	43485.001	3.957	10.859	18.559
8/3/2021 0:10	43500.001	3.955	10.816	18.563
8/3/2021 0:10	43515.001	3.955	10.865	18.563
8/3/2021 0:11	43530.001	3.956	10.856	18.562
8/3/2021 0:11	43545.001	3.955	10.85	18.564
8/3/2021 0:11	43560.001	3.955	10.859	18.563
8/3/2021 0:11	43575.001	3.955	10.883	18.564
8/3/2021 0:12	43590.001	3.955	10.841	18.562
8/3/2021 0:12	43605.001	3.956	10.854	18.561
8/3/2021 0:12	43620.001	3.957	10.873	18.558
8/3/2021 0:12	43635.001	3.953	10.869	18.568
8/3/2021 0:13	43650.001	3.956	10.873	18.56
8/3/2021 0:13	43665.001	3.956	10.858	18.56
8/3/2021 0:13	43680.001	3.955	10.852	18.563
8/3/2021 0:13	43695.001	3.956	10.865	18.561
8/3/2021 0:14	43710.001	3.957	10.842	18.558
8/3/2021 0:14	43725.001	3.955	10.862	18.562
8/3/2021 0:14	43740.001	3.955	10.858	18.564
8/3/2021 0:14	43755.001	3.956	10.834	18.561
8/3/2021 0:15	43770.001	3.952	10.851	18.569
8/3/2021 0:15	43785.001	3.955	10.845	18.563
8/3/2021 0:15	43800.001	3.955	10.846	18.562
8/3/2021 0:15	43815.001	3.956	10.846	18.561
8/3/2021 0:16	43830.001	3.955	10.861	18.564
8/3/2021 0:16	43845.001	3.956	10.856	18.56
8/3/2021 0:16	43860.001	3.957	10.837	18.558
8/3/2021 0:16	43875.001	3.954	10.856	18.565
8/3/2021 0:17	43890.001	3.954	10.837	18.565
8/3/2021 0:17	43905.001	3.956	10.843	18.562
8/3/2021 0:17	43920.001	3.956	10.859	18.562
8/3/2021 0:17	43935.001	3.956	10.842	18.56
8/3/2021 0:18	43950.001	3.954	10.845	18.565
8/3/2021 0:18	43965.001	3.954	10.869	18.565
8/3/2021 0:18	43980.001	3.955	10.864	18.563
8/3/2021 0:18	43995.001	3.956	10.857	18.562
8/3/2021 0:19	44010.001	3.956	10.869	18.561
8/3/2021 0:19	44025.001	3.955	10.847	18.563
8/3/2021 0:19	44040.001	3.953	10.838	18.567
8/3/2021 0:19	44055.001	3.956	10.852	18.56
8/3/2021 0:20	44070.001	3.955	10.863	18.563

8/3/2021 0:20	44085.001	3.957	10.846	18.559
8/3/2021 0:20	44100.001	3.955	10.872	18.563
8/3/2021 0:20	44115.001	3.955	10.867	18.562
8/3/2021 0:21	44130.001	3.955	10.845	18.564
8/3/2021 0:21	44145.001	3.955	10.862	18.563
8/3/2021 0:21	44160.001	3.956	10.866	18.56
8/3/2021 0:21	44175.001	3.956	10.867	18.562
8/3/2021 0:22	44190.001	3.954	10.864	18.565
8/3/2021 0:22	44205.001	3.955	10.851	18.563
8/3/2021 0:22	44220.001	3.955	10.846	18.563
8/3/2021 0:22	44235.001	3.957	10.864	18.558
8/3/2021 0:23	44250.001	3.954	10.872	18.567
8/3/2021 0:23	44265.001	3.953	10.859	18.569
8/3/2021 0:23	44280.001	3.955	10.843	18.563
8/3/2021 0:23	44295.001	3.956	10.856	18.56
8/3/2021 0:24	44310.001	3.955	10.845	18.564
8/3/2021 0:24	44325.001	3.954	10.854	18.565
8/3/2021 0:24	44340.001	3.953	10.863	18.569
8/3/2021 0:24	44355.001	3.955	10.873	18.564
8/3/2021 0:25	44370.001	3.953	10.829	18.567
8/3/2021 0:25	44385.001	3.955	10.84	18.563
8/3/2021 0:25	44400.001	3.957	10.835	18.56
8/3/2021 0:25	44415.001	3.957	10.851	18.559
8/3/2021 0:26	44430.001	3.954	10.849	18.566
8/3/2021 0:26	44445.001	3.953	10.841	18.567
8/3/2021 0:26	44460.001	3.953	10.849	18.567
8/3/2021 0:26	44475.001	3.956	10.842	18.561
8/3/2021 0:27	44490.001	3.955	10.852	18.564
8/3/2021 0:27	44505.001	3.952	10.864	18.57
8/3/2021 0:27	44520.001	3.955	10.847	18.564
8/3/2021 0:27	44535.001	3.953	10.883	18.569
8/3/2021 0:28	44550.001	3.954	10.858	18.566
8/3/2021 0:28	44565.001	3.953	10.854	18.568
8/3/2021 0:28	44580.001	3.956	10.832	18.561
8/3/2021 0:28	44595.001	3.953	10.832	18.568
8/3/2021 0:29	44610.001	3.953	10.856	18.567
8/3/2021 0:29	44625.001	3.955	10.863	18.564
8/3/2021 0:29	44640.001	3.954	10.825	18.566
8/3/2021 0:29	44655.001	3.954	10.856	18.566
8/3/2021 0:30	44670.001	3.955	10.852	18.563
8/3/2021 0:30	44685.001	3.954	10.869	18.565
8/3/2021 0:30	44700.001	3.954	10.862	18.567
8/3/2021 0:30	44715.001	3.957	10.867	18.559
8/3/2021 0:31	44730.001	3.955	10.843	18.562
8/3/2021 0:31	44745.001	3.955	10.833	18.564
8/3/2021 0:31	44760.001	3.956	10.85	18.562
8/3/2021 0:31	44775.001	3.955	10.859	18.564
8/3/2021 0:32	44790.001	3.953	10.881	18.567
8/3/2021 0:32	44805.001	3.954	10.846	18.565
8/3/2021 0:32	44820.001	3.955	10.857	18.564
8/3/2021 0:32	44835.001	3.954	10.829	18.565
8/3/2021 0:33	44850.001	3.956	10.854	18.562
8/3/2021 0:33	44865.001	3.953	10.849	18.568
8/3/2021 0:33	44880.001	3.953	10.872	18.567
8/3/2021 0:33	44895.001	3.955	10.84	18.563
8/3/2021 0:34	44910.001	3.954	10.878	18.567
8/3/2021 0:34	44925.001	3.954	10.856	18.565
8/3/2021 0:34	44940.001	3.952	10.847	18.569

8/3/2021 0:34	44955.001	3.952	10.87	18.569
8/3/2021 0:35	44970.001	3.952	10.865	18.571
8/3/2021 0:35	44985.001	3.956	10.866	18.56
8/3/2021 0:35	45000.001	3.953	10.876	18.568
8/3/2021 0:35	45015.001	3.953	10.867	18.568
8/3/2021 0:36	45030.001	3.953	10.861	18.567
8/3/2021 0:36	45045.001	3.952	10.859	18.571
8/3/2021 0:36	45060.001	3.953	10.862	18.567
8/3/2021 0:36	45075.001	3.954	10.848	18.566
8/3/2021 0:37	45090.001	3.957	10.835	18.56
8/3/2021 0:37	45105.001	3.955	10.86	18.564
8/3/2021 0:37	45120.001	3.954	10.844	18.566
8/3/2021 0:37	45135.001	3.955	10.849	18.563
8/3/2021 0:38	45150.001	3.955	10.861	18.564
8/3/2021 0:38	45165.001	3.953	10.822	18.568
8/3/2021 0:38	45180.001	3.955	10.844	18.564
8/3/2021 0:38	45195.001	3.954	10.86	18.566
8/3/2021 0:39	45210.001	3.951	10.859	18.572
8/3/2021 0:39	45225.001	3.953	10.873	18.569
8/3/2021 0:39	45240.001	3.953	10.866	18.568
8/3/2021 0:39	45255.001	3.952	10.856	18.57
8/3/2021 0:40	45270.001	3.955	10.865	18.564
8/3/2021 0:40	45285.001	3.953	10.848	18.568
8/3/2021 0:40	45300.001	3.953	10.877	18.568
8/3/2021 0:40	45315.001	3.954	10.867	18.565
8/3/2021 0:41	45330.001	3.953	10.852	18.568
8/3/2021 0:41	45345.001	3.953	10.852	18.569
8/3/2021 0:41	45360.001	3.952	10.848	18.569
8/3/2021 0:41	45375.001	3.953	10.859	18.568
8/3/2021 0:42	45390.001	3.951	10.837	18.572
8/3/2021 0:42	45405.001	3.952	10.837	18.569
8/3/2021 0:42	45420.001	3.954	10.831	18.566
8/3/2021 0:42	45435.001	3.952	10.839	18.569
8/3/2021 0:43	45450.001	3.953	10.859	18.568
8/3/2021 0:43	45465.001	3.954	10.88	18.566
8/3/2021 0:43	45480.001	3.954	10.85	18.566
8/3/2021 0:43	45495.001	3.954	10.86	18.566
8/3/2021 0:44	45510.001	3.952	10.848	18.569
8/3/2021 0:44	45525.001	3.953	10.844	18.567
8/3/2021 0:44	45540.001	3.953	10.845	18.569
8/3/2021 0:44	45555.001	3.953	10.842	18.568
8/3/2021 0:45	45570.001	3.955	10.837	18.562
8/3/2021 0:45	45585.001	3.954	10.846	18.565
8/3/2021 0:45	45600.001	3.955	10.842	18.563
8/3/2021 0:45	45615.001	3.953	10.859	18.568
8/3/2021 0:46	45630.001	3.955	10.874	18.563
8/3/2021 0:46	45645.001	3.952	10.862	18.571
8/3/2021 0:46	45660.001	3.954	10.851	18.567
8/3/2021 0:46	45675.001	3.953	10.861	18.568
8/3/2021 0:47	45690.001	3.953	10.847	18.569
8/3/2021 0:47	45705.001	3.951	10.832	18.571
8/3/2021 0:47	45720.001	3.953	10.831	18.567
8/3/2021 0:47	45735.001	3.954	10.877	18.566
8/3/2021 0:48	45750.001	3.953	10.845	18.569
8/3/2021 0:48	45765.001	3.952	10.859	18.571
8/3/2021 0:48	45780.001	3.952	10.859	18.571
8/3/2021 0:48	45795.001	3.953	10.903	18.568
8/3/2021 0:49	45810.001	3.953	10.856	18.569

8/3/2021 0:49	45825.001	3.952	10.853	18.571
8/3/2021 0:49	45840.001	3.953	10.866	18.569
8/3/2021 0:49	45855.001	3.952	10.834	18.571
8/3/2021 0:50	45870.001	3.951	10.852	18.572
8/3/2021 0:50	45885.001	3.954	10.828	18.567
8/3/2021 0:50	45900.001	3.952	10.878	18.569
8/3/2021 0:50	45915.001	3.954	10.851	18.566
8/3/2021 0:51	45930.001	3.954	10.833	18.565
8/3/2021 0:51	45945.001	3.951	10.867	18.573
8/3/2021 0:51	45960.001	3.953	10.86	18.569
8/3/2021 0:51	45975.001	3.952	10.815	18.57
8/3/2021 0:52	45990.001	3.953	10.848	18.568
8/3/2021 0:52	46005.001	3.952	10.862	18.57
8/3/2021 0:52	46020.001	3.953	10.873	18.567
8/3/2021 0:52	46035.001	3.952	10.863	18.569
8/3/2021 0:53	46050.001	3.951	10.84	18.572
8/3/2021 0:53	46065.001	3.953	10.857	18.567
8/3/2021 0:53	46080.001	3.952	10.845	18.57
8/3/2021 0:53	46095.001	3.954	10.87	18.566
8/3/2021 0:54	46110.001	3.953	10.851	18.569
8/3/2021 0:54	46125.001	3.953	10.859	18.569
8/3/2021 0:54	46140.001	3.953	10.811	18.567
8/3/2021 0:54	46155.001	3.954	10.853	18.567
8/3/2021 0:55	46170.001	3.953	10.882	18.569
8/3/2021 0:55	46185.001	3.954	10.836	18.566
8/3/2021 0:55	46200.001	3.953	10.862	18.569
8/3/2021 0:55	46215.001	3.955	10.862	18.564
8/3/2021 0:56	46230.001	3.952	10.861	18.57
8/3/2021 0:56	46245.001	3.951	10.863	18.573
8/3/2021 0:56	46260.001	3.953	10.856	18.569
8/3/2021 0:56	46275.001	3.952	10.853	18.57
8/3/2021 0:57	46290.001	3.952	10.838	18.571
8/3/2021 0:57	46305.001	3.953	10.836	18.569
8/3/2021 0:57	46320.001	3.951	10.832	18.573
8/3/2021 0:57	46335.001	3.953	10.851	18.569
8/3/2021 0:58	46350.001	3.95	10.862	18.575
8/3/2021 0:58	46365.001	3.953	10.83	18.569
8/3/2021 0:58	46380.001	3.952	10.862	18.571
8/3/2021 0:58	46395.001	3.952	10.83	18.571
8/3/2021 0:59	46410.001	3.953	10.868	18.568
8/3/2021 0:59	46425.001	3.952	10.842	18.571
8/3/2021 0:59	46440.001	3.953	10.848	18.569
8/3/2021 0:59	46455.001	3.95	10.865	18.575
8/3/2021 1:00	46470.001	3.951	10.85	18.572
8/3/2021 1:00	46485.001	3.953	10.85	18.567
8/3/2021 1:00	46500.001	3.952	10.843	18.569
8/3/2021 1:00	46515.001	3.951	10.842	18.572
8/3/2021 1:01	46530.001	3.952	10.866	18.57
8/3/2021 1:01	46545.001	3.954	10.859	18.567
8/3/2021 1:01	46560.001	3.953	10.852	18.568
8/3/2021 1:01	46575.001	3.951	10.863	18.572
8/3/2021 1:02	46590.001	3.953	10.856	18.569
8/3/2021 1:02	46605.001	3.951	10.858	18.572
8/3/2021 1:02	46620.001	3.954	10.84	18.565
8/3/2021 1:02	46635.001	3.951	10.861	18.573
8/3/2021 1:03	46650.001	3.953	10.855	18.568
8/3/2021 1:03	46665.001	3.952	10.832	18.569
8/3/2021 1:03	46680.001	3.953	10.848	18.569

8/3/2021 1:03	46695.001	3.952	10.851	18.569
8/3/2021 1:04	46710.001	3.952	10.843	18.571
8/3/2021 1:04	46725.001	3.953	10.846	18.569
8/3/2021 1:04	46740.001	3.952	10.844	18.57
8/3/2021 1:04	46755.001	3.951	10.854	18.574
8/3/2021 1:05	46770.001	3.951	10.851	18.572
8/3/2021 1:05	46785.001	3.951	10.845	18.572
8/3/2021 1:05	46800.001	3.952	10.836	18.569
8/3/2021 1:05	46815.001	3.951	10.873	18.572
8/3/2021 1:06	46830.001	3.954	10.839	18.565
8/3/2021 1:06	46845.001	3.953	10.856	18.569
8/3/2021 1:06	46860.001	3.951	10.834	18.572
8/3/2021 1:06	46875.001	3.953	10.849	18.569
8/3/2021 1:07	46890.001	3.952	10.826	18.571
8/3/2021 1:07	46905.001	3.951	10.844	18.573
8/3/2021 1:07	46920.001	3.953	10.85	18.568
8/3/2021 1:07	46935.001	3.952	10.845	18.57
8/3/2021 1:08	46950.001	3.951	10.861	18.574
8/3/2021 1:08	46965.001	3.95	10.848	18.574
8/3/2021 1:08	46980.001	3.953	10.842	18.568
8/3/2021 1:08	46995.001	3.951	10.851	18.574
8/3/2021 1:09	47010.001	3.952	10.843	18.569
8/3/2021 1:09	47025.001	3.954	10.864	18.566
8/3/2021 1:09	47040.001	3.954	10.851	18.566
8/3/2021 1:09	47055.001	3.952	10.85	18.571
8/3/2021 1:10	47070.001	3.951	10.858	18.573
8/3/2021 1:10	47085.001	3.951	10.854	18.572
8/3/2021 1:10	47100.001	3.952	10.837	18.57
8/3/2021 1:10	47115.001	3.951	10.859	18.572
8/3/2021 1:11	47130.001	3.952	10.852	18.569
8/3/2021 1:11	47145.001	3.953	10.831	18.568
8/3/2021 1:11	47160.001	3.952	10.852	18.571
8/3/2021 1:11	47175.001	3.951	10.848	18.572
8/3/2021 1:12	47190.001	3.951	10.842	18.573
8/3/2021 1:12	47205.001	3.952	10.876	18.57
8/3/2021 1:12	47220.001	3.952	10.838	18.571
8/3/2021 1:12	47235.001	3.952	10.865	18.571
8/3/2021 1:13	47250.001	3.952	10.847	18.571
8/3/2021 1:13	47265.001	3.953	10.85	18.567
8/3/2021 1:13	47280.001	3.95	10.853	18.574
8/3/2021 1:13	47295.001	3.952	10.859	18.57
8/3/2021 1:14	47310.001	3.952	10.858	18.571
8/3/2021 1:14	47325.001	3.951	10.835	18.572
8/3/2021 1:14	47340.001	3.951	10.857	18.574
8/3/2021 1:14	47355.001	3.951	10.82	18.572
8/3/2021 1:15	47370.001	3.951	10.843	18.574
8/3/2021 1:15	47385.001	3.948	10.845	18.579
8/3/2021 1:15	47400.001	3.954	10.839	18.566
8/3/2021 1:15	47415.001	3.952	10.851	18.571
8/3/2021 1:16	47430.001	3.953	10.861	18.568
8/3/2021 1:16	47445.001	3.952	10.845	18.569
8/3/2021 1:16	47460.001	3.951	10.865	18.572
8/3/2021 1:16	47475.001	3.951	10.843	18.573
8/3/2021 1:17	47490.001	3.954	10.84	18.566
8/3/2021 1:17	47505.001	3.952	10.84	18.569
8/3/2021 1:17	47520.001	3.952	10.838	18.569
8/3/2021 1:17	47535.001	3.951	10.831	18.573
8/3/2021 1:18	47550.001	3.952	10.845	18.571

8/3/2021 1:18	47565.001	3.95	10.848	18.574
8/3/2021 1:18	47580.001	3.95	10.85	18.575
8/3/2021 1:18	47595.001	3.952	10.854	18.57
8/3/2021 1:19	47610.001	3.951	10.825	18.572
8/3/2021 1:19	47625.001	3.95	10.832	18.575
8/3/2021 1:19	47640.001	3.951	10.863	18.573
8/3/2021 1:19	47655.001	3.951	10.862	18.573
8/3/2021 1:20	47670.001	3.951	10.856	18.572
8/3/2021 1:20	47685.001	3.953	10.869	18.568
8/3/2021 1:20	47700.001	3.953	10.85	18.568
8/3/2021 1:20	47715.001	3.953	10.851	18.567
8/3/2021 1:21	47730.001	3.951	10.848	18.573
8/3/2021 1:21	47745.001	3.951	10.871	18.572
8/3/2021 1:21	47760.001	3.952	10.861	18.57
8/3/2021 1:21	47775.001	3.95	10.841	18.574
8/3/2021 1:22	47790.001	3.953	10.834	18.568
8/3/2021 1:22	47805.001	3.952	10.844	18.569
8/3/2021 1:22	47820.001	3.952	10.839	18.569
8/3/2021 1:22	47835.001	3.953	10.849	18.568
8/3/2021 1:23	47850.001	3.95	10.878	18.574
8/3/2021 1:23	47865.001	3.951	10.859	18.573
8/3/2021 1:23	47880.001	3.953	10.871	18.567
8/3/2021 1:23	47895.001	3.952	10.834	18.57
8/3/2021 1:24	47910.001	3.951	10.832	18.573
8/3/2021 1:24	47925.001	3.952	10.845	18.571
8/3/2021 1:24	47940.001	3.952	10.846	18.571
8/3/2021 1:24	47955.001	3.952	10.865	18.571
8/3/2021 1:25	47970.001	3.953	10.866	18.569
8/3/2021 1:25	47985.001	3.952	10.837	18.569
8/3/2021 1:25	48000.001	3.952	10.84	18.571
8/3/2021 1:25	48015.001	3.952	10.856	18.57
8/3/2021 1:26	48030.001	3.953	10.856	18.568
8/3/2021 1:26	48045.001	3.953	10.854	18.567
8/3/2021 1:26	48060.001	3.951	10.866	18.572
8/3/2021 1:26	48075.001	3.952	10.851	18.569
8/3/2021 1:27	48090.001	3.952	10.848	18.571
8/3/2021 1:27	48105.001	3.951	10.847	18.573
8/3/2021 1:27	48120.001	3.952	10.867	18.57
8/3/2021 1:27	48135.001	3.951	10.851	18.573
8/3/2021 1:28	48150.001	3.953	10.867	18.569
8/3/2021 1:28	48165.001	3.951	10.854	18.572
8/3/2021 1:28	48180.001	3.951	10.847	18.573
8/3/2021 1:28	48195.001	3.951	10.83	18.572
8/3/2021 1:29	48210.001	3.952	10.854	18.57
8/3/2021 1:29	48225.001	3.953	10.857	18.568
8/3/2021 1:29	48240.001	3.952	10.85	18.57
8/3/2021 1:29	48255.001	3.953	10.847	18.569
8/3/2021 1:30	48270.001	3.953	10.849	18.567
8/3/2021 1:30	48285.001	3.951	10.859	18.572
8/3/2021 1:30	48300.001	3.95	10.843	18.575
8/3/2021 1:30	48315.001	3.951	10.834	18.573
8/3/2021 1:31	48330.001	3.952	10.862	18.571
8/3/2021 1:31	48345.001	3.954	10.851	18.567
8/3/2021 1:31	48360.001	3.953	10.853	18.567
8/3/2021 1:31	48375.001	3.952	10.826	18.571
8/3/2021 1:32	48390.001	3.953	10.858	18.567
8/3/2021 1:32	48405.001	3.952	10.846	18.57
8/3/2021 1:32	48420.001	3.952	10.857	18.569

8/3/2021 1:32	48435.001	3.953	10.865	18.568
8/3/2021 1:33	48450.001	3.952	10.852	18.571
8/3/2021 1:33	48465.001	3.952	10.848	18.57
8/3/2021 1:33	48480.001	3.954	10.834	18.566
8/3/2021 1:33	48495.001	3.953	10.844	18.568
8/3/2021 1:34	48510.001	3.954	10.859	18.567
8/3/2021 1:34	48525.001	3.952	10.862	18.57
8/3/2021 1:34	48540.001	3.951	10.845	18.572
8/3/2021 1:34	48555.001	3.953	10.837	18.568
8/3/2021 1:35	48570.001	3.949	10.852	18.577
8/3/2021 1:35	48585.001	3.952	10.851	18.57
8/3/2021 1:35	48600.001	3.951	10.831	18.573
8/3/2021 1:35	48615.001	3.952	10.851	18.571
8/3/2021 1:36	48630.001	3.953	10.829	18.568
8/3/2021 1:36	48645.001	3.953	10.84	18.568
8/3/2021 1:36	48660.001	3.952	10.826	18.57
8/3/2021 1:36	48675.001	3.953	10.839	18.567
8/3/2021 1:37	48690.001	3.952	10.865	18.57
8/3/2021 1:37	48705.001	3.952	10.853	18.57
8/3/2021 1:37	48720.001	3.952	10.844	18.571
8/3/2021 1:37	48735.001	3.953	10.852	18.568
8/3/2021 1:38	48750.001	3.952	10.864	18.57
8/3/2021 1:38	48765.001	3.953	10.841	18.568
8/3/2021 1:38	48780.001	3.953	10.835	18.569
8/3/2021 1:38	48795.001	3.951	10.852	18.572
8/3/2021 1:39	48810.001	3.953	10.865	18.568
8/3/2021 1:39	48825.001	3.953	10.836	18.569
8/3/2021 1:39	48840.001	3.952	10.836	18.57
8/3/2021 1:39	48855.001	3.951	10.862	18.573
8/3/2021 1:40	48870.001	3.953	10.877	18.568
8/3/2021 1:40	48885.001	3.953	10.838	18.568
8/3/2021 1:40	48900.001	3.954	10.826	18.566
8/3/2021 1:40	48915.001	3.951	10.862	18.572
8/3/2021 1:41	48930.001	3.954	10.856	18.567
8/3/2021 1:41	48945.001	3.954	10.878	18.566
8/3/2021 1:41	48960.001	3.952	10.843	18.57
8/3/2021 1:41	48975.001	3.952	10.854	18.57
8/3/2021 1:42	48990.001	3.951	10.843	18.571
8/3/2021 1:42	49005.001	3.951	10.835	18.572
8/3/2021 1:42	49020.001	3.953	10.854	18.569
8/3/2021 1:42	49035.001	3.955	10.845	18.563
8/3/2021 1:43	49050.001	3.953	10.858	18.567
8/3/2021 1:43	49065.001	3.954	10.851	18.566
8/3/2021 1:43	49080.001	3.951	10.845	18.573
8/3/2021 1:43	49095.001	3.952	10.852	18.571
8/3/2021 1:44	49110.001	3.953	10.854	18.569
8/3/2021 1:44	49125.001	3.951	10.83	18.572
8/3/2021 1:44	49140.001	3.951	10.838	18.572
8/3/2021 1:44	49155.001	3.953	10.84	18.567
8/3/2021 1:45	49170.001	3.953	10.837	18.568
8/3/2021 1:45	49185.001	3.952	10.854	18.569
8/3/2021 1:45	49200.001	3.951	10.841	18.571
8/3/2021 1:45	49215.001	3.952	10.84	18.57
8/3/2021 1:46	49230.001	3.955	10.856	18.563
8/3/2021 1:46	49245.001	3.952	10.84	18.571
8/3/2021 1:46	49260.001	3.952	10.832	18.57
8/3/2021 1:46	49275.001	3.954	10.861	18.567
8/3/2021 1:47	49290.001	3.953	10.846	18.567

8/3/2021 1:47	49305.001	3.954	10.845	18.565
8/3/2021 1:47	49320.001	3.952	10.846	18.571
8/3/2021 1:47	49335.001	3.951	10.83	18.573
8/3/2021 1:48	49350.001	3.952	10.818	18.57
8/3/2021 1:48	49365.001	3.952	10.85	18.57
8/3/2021 1:48	49380.001	3.953	10.825	18.568
8/3/2021 1:48	49395.001	3.952	10.831	18.569
8/3/2021 1:49	49410.001	3.952	10.856	18.571
8/3/2021 1:49	49425.001	3.953	10.851	18.569
8/3/2021 1:49	49440.001	3.952	10.833	18.57
8/3/2021 1:49	49455.001	3.954	10.838	18.567
8/3/2021 1:50	49470.001	3.954	10.857	18.565
8/3/2021 1:50	49485.001	3.953	10.862	18.569
8/3/2021 1:50	49500.001	3.954	10.868	18.566
8/3/2021 1:50	49515.001	3.952	10.854	18.57
8/3/2021 1:51	49530.001	3.951	10.827	18.573
8/3/2021 1:51	49545.001	3.954	10.837	18.566
8/3/2021 1:51	49560.001	3.954	10.834	18.566
8/3/2021 1:51	49575.001	3.952	10.834	18.57
8/3/2021 1:52	49590.001	3.954	10.837	18.566
8/3/2021 1:52	49605.001	3.952	10.841	18.571
8/3/2021 1:52	49620.001	3.952	10.84	18.569
8/3/2021 1:52	49635.001	3.953	10.833	18.568
8/3/2021 1:53	49650.001	3.952	10.818	18.569
8/3/2021 1:53	49665.001	3.953	10.863	18.568
8/3/2021 1:53	49680.001	3.953	10.857	18.569
8/3/2021 1:53	49695.001	3.954	10.834	18.565
8/3/2021 1:54	49710.001	3.953	10.851	18.567
8/3/2021 1:54	49725.001	3.953	10.854	18.568
8/3/2021 1:54	49740.001	3.953	10.822	18.568
8/3/2021 1:54	49755.001	3.952	10.838	18.57
8/3/2021 1:55	49770.001	3.953	10.86	18.569
8/3/2021 1:55	49785.001	3.954	10.867	18.567
8/3/2021 1:55	49800.001	3.954	10.839	18.566
8/3/2021 1:55	49815.001	3.955	10.843	18.563
8/3/2021 1:56	49830.001	3.953	10.868	18.567
8/3/2021 1:56	49845.001	3.953	10.846	18.568
8/3/2021 1:56	49860.001	3.955	10.849	18.562
8/3/2021 1:56	49875.001	3.955	10.848	18.564
8/3/2021 1:57	49890.001	3.954	10.866	18.565
8/3/2021 1:57	49905.001	3.953	10.856	18.568
8/3/2021 1:57	49920.001	3.955	10.855	18.564
8/3/2021 1:57	49935.001	3.953	10.834	18.568
8/3/2021 1:58	49950.001	3.952	10.829	18.569
8/3/2021 1:58	49965.001	3.954	10.834	18.565
8/3/2021 1:58	49980.001	3.953	10.859	18.568
8/3/2021 1:58	49995.001	3.955	10.846	18.564
8/3/2021 1:59	50010.001	3.954	10.869	18.565
8/3/2021 1:59	50025.001	3.953	10.84	18.569
8/3/2021 1:59	50040.001	3.954	10.829	18.565
8/3/2021 1:59	50055.001	3.953	10.86	18.568
8/3/2021 2:00	50070.001	3.955	10.857	18.564
8/3/2021 2:00	50085.001	3.954	10.842	18.566
8/3/2021 2:00	50100.001	3.955	10.841	18.564
8/3/2021 2:00	50115.001	3.954	10.831	18.567
8/3/2021 2:01	50130.001	3.953	10.825	18.569
8/3/2021 2:01	50145.001	3.953	10.809	18.567
8/3/2021 2:01	50160.001	3.954	10.831	18.566

8/3/2021 2:01	50175.001	3.954	10.845	18.564
8/3/2021 2:02	50190.001	3.953	10.841	18.568
8/3/2021 2:02	50205.001	3.955	10.846	18.562
8/3/2021 2:02	50220.001	3.954	10.862	18.566
8/3/2021 2:02	50235.001	3.953	10.839	18.567
8/3/2021 2:03	50250.001	3.956	10.839	18.562
8/3/2021 2:03	50265.001	3.953	10.842	18.568
8/3/2021 2:03	50280.001	3.955	10.831	18.564
8/3/2021 2:03	50295.001	3.954	10.858	18.565
8/3/2021 2:04	50310.001	3.954	10.819	18.566
8/3/2021 2:04	50325.001	3.952	10.859	18.57
8/3/2021 2:04	50340.001	3.953	10.831	18.567
8/3/2021 2:04	50355.001	3.955	10.844	18.563
8/3/2021 2:05	50370.001	3.955	10.841	18.564
8/3/2021 2:05	50385.001	3.954	10.815	18.565
8/3/2021 2:05	50400.001	3.954	10.845	18.564
8/3/2021 2:05	50415.001	3.957	10.851	18.558
8/3/2021 2:06	50430.001	3.954	10.834	18.565
8/3/2021 2:06	50445.001	3.955	10.838	18.563
8/3/2021 2:06	50460.001	3.956	10.85	18.561
8/3/2021 2:06	50475.001	3.955	10.84	18.563
8/3/2021 2:07	50490.001	3.954	10.838	18.565
8/3/2021 2:07	50505.001	3.954	10.873	18.566
8/3/2021 2:07	50520.001	3.955	10.844	18.563
8/3/2021 2:07	50535.001	3.955	10.821	18.564
8/3/2021 2:08	50550.001	3.953	10.84	18.569
8/3/2021 2:08	50565.001	3.956	10.822	18.562
8/3/2021 2:08	50580.001	3.954	10.839	18.565
8/3/2021 2:08	50595.001	3.956	10.836	18.562
8/3/2021 2:09	50610.001	3.958	10.838	18.557
8/3/2021 2:09	50625.001	3.955	10.835	18.562
8/3/2021 2:09	50640.001	3.954	10.831	18.566
8/3/2021 2:09	50655.001	3.958	10.864	18.557
8/3/2021 2:10	50670.001	3.955	10.865	18.563
8/3/2021 2:10	50685.001	3.954	10.84	18.567
8/3/2021 2:10	50700.001	3.953	10.853	18.569
8/3/2021 2:10	50715.001	3.955	10.834	18.563
8/3/2021 2:11	50730.001	3.954	10.85	18.566
8/3/2021 2:11	50745.001	3.955	10.828	18.562
8/3/2021 2:11	50760.001	3.953	10.837	18.568
8/3/2021 2:11	50775.001	3.955	10.859	18.564
8/3/2021 2:12	50790.001	3.955	10.848	18.563
8/3/2021 2:12	50805.001	3.954	10.846	18.565
8/3/2021 2:12	50820.001	3.955	10.851	18.564
8/3/2021 2:12	50835.001	3.954	10.845	18.566
8/3/2021 2:13	50850.001	3.954	10.847	18.565
8/3/2021 2:13	50865.001	3.954	10.876	18.566
8/3/2021 2:13	50880.001	3.954	10.849	18.567
8/3/2021 2:13	50895.001	3.956	10.846	18.56
8/3/2021 2:14	50910.001	3.955	10.84	18.562
8/3/2021 2:14	50925.001	3.954	10.848	18.566
8/3/2021 2:14	50940.001	3.954	10.834	18.565
8/3/2021 2:14	50955.001	3.954	10.834	18.566
8/3/2021 2:15	50970.001	3.955	10.823	18.564
8/3/2021 2:15	50985.001	3.954	10.834	18.565
8/3/2021 2:15	51000.001	3.956	10.842	18.562
8/3/2021 2:15	51015.001	3.954	10.839	18.567
8/3/2021 2:16	51030.001	3.954	10.837	18.567

8/3/2021 2:16	51045.001	3.954	10.851	18.567
8/3/2021 2:16	51060.001	3.954	10.85	18.566
8/3/2021 2:16	51075.001	3.956	10.845	18.562
8/3/2021 2:17	51090.001	3.955	10.805	18.563
8/3/2021 2:17	51105.001	3.955	10.843	18.564
8/3/2021 2:17	51120.001	3.955	10.858	18.563
8/3/2021 2:17	51135.001	3.957	10.849	18.558
8/3/2021 2:18	51150.001	3.954	10.858	18.566
8/3/2021 2:18	51165.001	3.955	10.824	18.563
8/3/2021 2:18	51180.001	3.956	10.869	18.561
8/3/2021 2:18	51195.001	3.954	10.853	18.565
8/3/2021 2:19	51210.001	3.953	10.826	18.568
8/3/2021 2:19	51225.001	3.955	10.823	18.564
8/3/2021 2:19	51240.001	3.956	10.858	18.562
8/3/2021 2:19	51255.001	3.954	10.847	18.566
8/3/2021 2:20	51270.001	3.955	10.835	18.562
8/3/2021 2:20	51285.001	3.954	10.855	18.567
8/3/2021 2:20	51300.001	3.955	10.867	18.563
8/3/2021 2:20	51315.001	3.955	10.843	18.564
8/3/2021 2:21	51330.001	3.957	10.829	18.559
8/3/2021 2:21	51345.001	3.955	10.837	18.564
8/3/2021 2:21	51360.001	3.953	10.834	18.568
8/3/2021 2:21	51375.001	3.955	10.846	18.563
8/3/2021 2:22	51390.001	3.956	10.826	18.561
8/3/2021 2:22	51405.001	3.955	10.846	18.564
8/3/2021 2:22	51420.001	3.955	10.87	18.564
8/3/2021 2:22	51435.001	3.955	10.833	18.564
8/3/2021 2:23	51450.001	3.956	10.86	18.562
8/3/2021 2:23	51465.001	3.956	10.851	18.561
8/3/2021 2:23	51480.001	3.955	10.851	18.564
8/3/2021 2:23	51495.001	3.955	10.844	18.563
8/3/2021 2:24	51510.001	3.954	10.842	18.566
8/3/2021 2:24	51525.001	3.955	10.856	18.563
8/3/2021 2:24	51540.001	3.957	10.838	18.558
8/3/2021 2:24	51555.001	3.954	10.876	18.566
8/3/2021 2:25	51570.001	3.955	10.848	18.563
8/3/2021 2:25	51585.001	3.958	10.841	18.556
8/3/2021 2:25	51600.001	3.954	10.842	18.567
8/3/2021 2:25	51615.001	3.956	10.823	18.561
8/3/2021 2:26	51630.001	3.955	10.836	18.563
8/3/2021 2:26	51645.001	3.953	10.83	18.568
8/3/2021 2:26	51660.001	3.955	10.87	18.563
8/3/2021 2:26	51675.001	3.956	10.84	18.56
8/3/2021 2:27	51690.001	3.956	10.842	18.562
8/3/2021 2:27	51705.001	3.956	10.862	18.561
8/3/2021 2:27	51720.001	3.957	10.84	18.559
8/3/2021 2:27	51735.001	3.955	10.837	18.564
8/3/2021 2:28	51750.001	3.956	10.856	18.561
8/3/2021 2:28	51765.001	3.957	10.852	18.559
8/3/2021 2:28	51780.001	3.956	10.834	18.562
8/3/2021 2:28	51795.001	3.956	10.832	18.561
8/3/2021 2:29	51810.001	3.957	10.855	18.558
8/3/2021 2:29	51825.001	3.957	10.86	18.558
8/3/2021 2:29	51840.001	3.955	10.857	18.562
8/3/2021 2:29	51855.001	3.958	10.852	18.557
8/3/2021 2:30	51870.001	3.956	10.848	18.562
8/3/2021 2:30	51885.001	3.956	10.846	18.56
8/3/2021 2:30	51900.001	3.956	10.851	18.56

8/3/2021 2:30	51915.001	3.956	10.857	18.561
8/3/2021 2:31	51930.001	3.958	10.829	18.556
8/3/2021 2:31	51945.001	3.959	10.853	18.554
8/3/2021 2:31	51960.001	3.957	10.86	18.559
8/3/2021 2:31	51975.001	3.955	10.806	18.563
8/3/2021 2:32	51990.001	3.956	10.815	18.562
8/3/2021 2:32	52005.001	3.956	10.831	18.562
8/3/2021 2:32	52020.001	3.957	10.84	18.558
8/3/2021 2:32	52035.001	3.956	10.836	18.562
8/3/2021 2:33	52050.001	3.957	10.849	18.559
8/3/2021 2:33	52065.001	3.958	10.84	18.557
8/3/2021 2:33	52080.001	3.956	10.849	18.56
8/3/2021 2:33	52095.001	3.957	10.826	18.558
8/3/2021 2:34	52110.001	3.955	10.842	18.563
8/3/2021 2:34	52125.001	3.956	10.851	18.56
8/3/2021 2:34	52140.001	3.955	10.829	18.564
8/3/2021 2:34	52155.001	3.959	10.844	18.555
8/3/2021 2:35	52170.001	3.956	10.816	18.562
8/3/2021 2:35	52185.001	3.958	10.831	18.557
8/3/2021 2:35	52200.001	3.956	10.823	18.56
8/3/2021 2:35	52215.001	3.956	10.836	18.561
8/3/2021 2:36	52230.001	3.958	10.835	18.555
8/3/2021 2:36	52245.001	3.957	10.84	18.559
8/3/2021 2:36	52260.001	3.957	10.814	18.559
8/3/2021 2:36	52275.001	3.955	10.859	18.562
8/3/2021 2:37	52290.001	3.956	10.86	18.56
8/3/2021 2:37	52305.001	3.958	10.865	18.556
8/3/2021 2:37	52320.001	3.958	10.831	18.557
8/3/2021 2:37	52335.001	3.957	10.817	18.559
8/3/2021 2:38	52350.001	3.958	10.842	18.557
8/3/2021 2:38	52365.001	3.956	10.858	18.56
8/3/2021 2:38	52380.001	3.959	10.839	18.553
8/3/2021 2:38	52395.001	3.956	10.842	18.56
8/3/2021 2:39	52410.001	3.957	10.841	18.56
8/3/2021 2:39	52425.001	3.96	10.843	18.553
8/3/2021 2:39	52440.001	3.956	10.83	18.561
8/3/2021 2:39	52455.001	3.958	10.873	18.557
8/3/2021 2:40	52470.001	3.956	10.868	18.56
8/3/2021 2:40	52485.001	3.957	10.865	18.558
8/3/2021 2:40	52500.001	3.959	10.834	18.555
8/3/2021 2:40	52515.001	3.957	10.842	18.558
8/3/2021 2:41	52530.001	3.957	10.841	18.559
8/3/2021 2:41	52545.001	3.956	10.849	18.561
8/3/2021 2:41	52560.001	3.956	10.826	18.56
8/3/2021 2:41	52575.001	3.956	10.827	18.561
8/3/2021 2:42	52590.001	3.957	10.85	18.559
8/3/2021 2:42	52605.001	3.958	10.826	18.556
8/3/2021 2:42	52620.001	3.957	10.831	18.558
8/3/2021 2:42	52635.001	3.956	10.833	18.56
8/3/2021 2:43	52650.001	3.956	10.852	18.561
8/3/2021 2:43	52665.001	3.956	10.834	18.561
8/3/2021 2:43	52680.001	3.958	10.854	18.556
8/3/2021 2:43	52695.001	3.96	10.851	18.552
8/3/2021 2:44	52710.001	3.958	10.857	18.557
8/3/2021 2:44	52725.001	3.959	10.844	18.554
8/3/2021 2:44	52740.001	3.957	10.851	18.559
8/3/2021 2:44	52755.001	3.958	10.837	18.557
8/3/2021 2:45	52770.001	3.958	10.851	18.555

8/3/2021 2:45	52785.001	3.958	10.833	18.556
8/3/2021 2:45	52800.001	3.959	10.844	18.555
8/3/2021 2:45	52815.001	3.96	10.834	18.552
8/3/2021 2:46	52830.001	3.959	10.846	18.555
8/3/2021 2:46	52845.001	3.956	10.842	18.56
8/3/2021 2:46	52860.001	3.958	10.853	18.556
8/3/2021 2:46	52875.001	3.958	10.864	18.557
8/3/2021 2:47	52890.001	3.959	10.836	18.555
8/3/2021 2:47	52905.001	3.96	10.833	18.552
8/3/2021 2:47	52920.001	3.956	10.835	18.561
8/3/2021 2:47	52935.001	3.958	10.843	18.557
8/3/2021 2:48	52950.001	3.957	10.851	18.558
8/3/2021 2:48	52965.001	3.957	10.837	18.558
8/3/2021 2:48	52980.001	3.96	10.853	18.552
8/3/2021 2:48	52995.001	3.957	10.851	18.559
8/3/2021 2:49	53010.001	3.958	10.858	18.557
8/3/2021 2:49	53025.001	3.958	10.835	18.556
8/3/2021 2:49	53040.001	3.957	10.843	18.559
8/3/2021 2:49	53055.001	3.957	10.837	18.558
8/3/2021 2:50	53070.001	3.96	10.843	18.551
8/3/2021 2:50	53085.001	3.958	10.834	18.556
8/3/2021 2:50	53100.001	3.958	10.847	18.556
8/3/2021 2:50	53115.001	3.958	10.846	18.556
8/3/2021 2:51	53130.001	3.957	10.848	18.559
8/3/2021 2:51	53145.001	3.96	10.864	18.552
8/3/2021 2:51	53160.001	3.957	10.852	18.559
8/3/2021 2:51	53175.001	3.96	10.857	18.551
8/3/2021 2:52	53190.001	3.959	10.831	18.553
8/3/2021 2:52	53205.001	3.96	10.825	18.551
8/3/2021 2:52	53220.001	3.959	10.823	18.555
8/3/2021 2:52	53235.001	3.957	10.847	18.558
8/3/2021 2:53	53250.001	3.958	10.839	18.556
8/3/2021 2:53	53265.001	3.959	10.84	18.554
8/3/2021 2:53	53280.001	3.958	10.841	18.556
8/3/2021 2:53	53295.001	3.96	10.826	18.552
8/3/2021 2:54	53310.001	3.958	10.834	18.557
8/3/2021 2:54	53325.001	3.961	10.838	18.55
8/3/2021 2:54	53340.001	3.96	10.815	18.553
8/3/2021 2:54	53355.001	3.959	10.827	18.555
8/3/2021 2:55	53370.001	3.958	10.842	18.556
8/3/2021 2:55	53385.001	3.959	10.844	18.554
8/3/2021 2:55	53400.001	3.958	10.848	18.556
8/3/2021 2:55	53415.001	3.96	10.833	18.552
8/3/2021 2:56	53430.001	3.958	10.822	18.556
8/3/2021 2:56	53445.001	3.96	10.829	18.551
8/3/2021 2:56	53460.001	3.96	10.851	18.552
8/3/2021 2:56	53475.001	3.959	10.826	18.555
8/3/2021 2:57	53490.001	3.959	10.835	18.554
8/3/2021 2:57	53505.001	3.959	10.834	18.553
8/3/2021 2:57	53520.001	3.961	10.827	18.549
8/3/2021 2:57	53535.001	3.959	10.834	18.554
8/3/2021 2:58	53550.001	3.959	10.848	18.554
8/3/2021 2:58	53565.001	3.959	10.851	18.554
8/3/2021 2:58	53580.001	3.959	10.833	18.555
8/3/2021 2:58	53595.001	3.96	10.847	18.551
8/3/2021 2:59	53610.001	3.96	10.842	18.551
8/3/2021 2:59	53625.001	3.961	10.826	18.55
8/3/2021 2:59	53640.001	3.959	10.843	18.555

8/3/2021 2:59	53655.001	3.959	10.834	18.555
8/3/2021 3:00	53670.001	3.958	10.821	18.555
8/3/2021 3:00	53685.001	3.959	10.846	18.553
8/3/2021 3:00	53700.001	3.96	10.84	18.551
8/3/2021 3:00	53715.001	3.959	10.834	18.554
8/3/2021 3:01	53730.001	3.959	10.831	18.555
8/3/2021 3:01	53745.001	3.959	10.851	18.554
8/3/2021 3:01	53760.001	3.96	10.829	18.553
8/3/2021 3:01	53775.001	3.957	10.833	18.558
8/3/2021 3:02	53790.001	3.959	10.84	18.555
8/3/2021 3:02	53805.001	3.959	10.824	18.553
8/3/2021 3:02	53820.001	3.96	10.846	18.552
8/3/2021 3:02	53835.001	3.96	10.84	18.552
8/3/2021 3:03	53850.001	3.96	10.82	18.552
8/3/2021 3:03	53865.001	3.961	10.833	18.548
8/3/2021 3:03	53880.001	3.96	10.831	18.551
8/3/2021 3:03	53895.001	3.962	10.832	18.548
8/3/2021 3:04	53910.001	3.962	10.829	18.548
8/3/2021 3:04	53925.001	3.958	10.819	18.556
8/3/2021 3:04	53940.001	3.96	10.822	18.552
8/3/2021 3:04	53955.001	3.96	10.841	18.553
8/3/2021 3:05	53970.001	3.962	10.819	18.546
8/3/2021 3:05	53985.001	3.962	10.859	18.547
8/3/2021 3:05	54000.001	3.96	10.84	18.551
8/3/2021 3:05	54015.001	3.961	10.848	18.55
8/3/2021 3:06	54030.001	3.96	10.843	18.552
8/3/2021 3:06	54045.001	3.96	10.876	18.551
8/3/2021 3:06	54060.001	3.961	10.838	18.55
8/3/2021 3:06	54075.001	3.96	10.834	18.552
8/3/2021 3:07	54090.001	3.96	10.831	18.552
8/3/2021 3:07	54105.001	3.96	10.841	18.551
8/3/2021 3:07	54120.001	3.959	10.863	18.553
8/3/2021 3:07	54135.001	3.96	10.822	18.552
8/3/2021 3:08	54150.001	3.962	10.825	18.547
8/3/2021 3:08	54165.001	3.962	10.837	18.547
8/3/2021 3:08	54180.001	3.96	10.847	18.551
8/3/2021 3:08	54195.001	3.959	10.802	18.554
8/3/2021 3:09	54210.001	3.961	10.867	18.549
8/3/2021 3:09	54225.001	3.96	10.837	18.551
8/3/2021 3:09	54240.001	3.961	10.847	18.55
8/3/2021 3:09	54255.001	3.96	10.842	18.552
8/3/2021 3:10	54270.001	3.963	10.852	18.544
8/3/2021 3:10	54285.001	3.961	10.84	18.55
8/3/2021 3:10	54300.001	3.961	10.839	18.549
8/3/2021 3:10	54315.001	3.96	10.837	18.551
8/3/2021 3:11	54330.001	3.96	10.837	18.552
8/3/2021 3:11	54345.001	3.96	10.845	18.552
8/3/2021 3:11	54360.001	3.96	10.846	18.551
8/3/2021 3:11	54375.001	3.959	10.871	18.555
8/3/2021 3:12	54390.001	3.959	10.851	18.553
8/3/2021 3:12	54405.001	3.962	10.81	18.548
8/3/2021 3:12	54420.001	3.962	10.837	18.547
8/3/2021 3:12	54435.001	3.962	10.846	18.546
8/3/2021 3:13	54450.001	3.961	10.845	18.55
8/3/2021 3:13	54465.001	3.961	10.841	18.549
8/3/2021 3:13	54480.001	3.961	10.829	18.549
8/3/2021 3:13	54495.001	3.962	10.843	18.546
8/3/2021 3:14	54510.001	3.959	10.839	18.554

8/3/2021 3:14	54525.001	3.96	10.843	18.552
8/3/2021 3:14	54540.001	3.962	10.832	18.547
8/3/2021 3:14	54555.001	3.961	10.858	18.55
8/3/2021 3:15	54570.001	3.961	10.87	18.55
8/3/2021 3:15	54585.001	3.963	10.845	18.546
8/3/2021 3:15	54600.001	3.961	10.836	18.548
8/3/2021 3:15	54615.001	3.963	10.831	18.545
8/3/2021 3:16	54630.001	3.961	10.848	18.548
8/3/2021 3:16	54645.001	3.96	10.828	18.551
8/3/2021 3:16	54660.001	3.963	10.852	18.546
8/3/2021 3:16	54675.001	3.961	10.842	18.549
8/3/2021 3:17	54690.001	3.961	10.831	18.55
8/3/2021 3:17	54705.001	3.962	10.83	18.546
8/3/2021 3:17	54720.001	3.962	10.842	18.546
8/3/2021 3:17	54735.001	3.962	10.84	18.546
8/3/2021 3:18	54750.001	3.961	10.842	18.548
8/3/2021 3:18	54765.001	3.963	10.856	18.545
8/3/2021 3:18	54780.001	3.963	10.839	18.545
8/3/2021 3:18	54795.001	3.961	10.838	18.55
8/3/2021 3:19	54810.001	3.96	10.843	18.551
8/3/2021 3:19	54825.001	3.962	10.823	18.546
8/3/2021 3:19	54840.001	3.961	10.818	18.551
8/3/2021 3:19	54855.001	3.961	10.846	18.548
8/3/2021 3:20	54870.001	3.96	10.858	18.551
8/3/2021 3:20	54885.001	3.961	10.823	18.548
8/3/2021 3:20	54900.001	3.961	10.831	18.55
8/3/2021 3:20	54915.001	3.962	10.832	18.547
8/3/2021 3:21	54930.001	3.962	10.812	18.547
8/3/2021 3:21	54945.001	3.963	10.832	18.544
8/3/2021 3:21	54960.001	3.96	10.855	18.551
8/3/2021 3:21	54975.001	3.962	10.845	18.548
8/3/2021 3:22	54990.001	3.96	10.816	18.551
8/3/2021 3:22	55005.001	3.962	10.842	18.548
8/3/2021 3:22	55020.001	3.961	10.824	18.55
8/3/2021 3:22	55035.001	3.963	10.839	18.546
8/3/2021 3:23	55050.001	3.963	10.826	18.545
8/3/2021 3:23	55065.001	3.961	10.838	18.549
8/3/2021 3:23	55080.001	3.961	10.851	18.55
8/3/2021 3:23	55095.001	3.963	10.855	18.545
8/3/2021 3:24	55110.001	3.962	10.856	18.547
8/3/2021 3:24	55125.001	3.962	10.862	18.548
8/3/2021 3:24	55140.001	3.963	10.829	18.544
8/3/2021 3:24	55155.001	3.96	10.835	18.552
8/3/2021 3:25	55170.001	3.962	10.826	18.546
8/3/2021 3:25	55185.001	3.963	10.854	18.545
8/3/2021 3:25	55200.001	3.963	10.837	18.545
8/3/2021 3:25	55215.001	3.963	10.816	18.544
8/3/2021 3:26	55230.001	3.961	10.823	18.549
8/3/2021 3:26	55245.001	3.963	10.831	18.546
8/3/2021 3:26	55260.001	3.963	10.845	18.545
8/3/2021 3:26	55275.001	3.963	10.844	18.544
8/3/2021 3:27	55290.001	3.961	10.848	18.549
8/3/2021 3:27	55305.001	3.962	10.831	18.548
8/3/2021 3:27	55320.001	3.964	10.842	18.542
8/3/2021 3:27	55335.001	3.962	10.833	18.546
8/3/2021 3:28	55350.001	3.961	10.821	18.549
8/3/2021 3:28	55365.001	3.961	10.806	18.548
8/3/2021 3:28	55380.001	3.963	10.807	18.545

8/3/2021 3:28	55395.001	3.962	10.86	18.548
8/3/2021 3:29	55410.001	3.963	10.839	18.544
8/3/2021 3:29	55425.001	3.961	10.84	18.55
8/3/2021 3:29	55440.001	3.963	10.817	18.545
8/3/2021 3:29	55455.001	3.963	10.845	18.545
8/3/2021 3:30	55470.001	3.961	10.84	18.548
8/3/2021 3:30	55485.001	3.962	10.82	18.548
8/3/2021 3:30	55500.001	3.961	10.82	18.55
8/3/2021 3:30	55515.001	3.963	10.842	18.546
8/3/2021 3:31	55530.001	3.961	10.821	18.55
8/3/2021 3:31	55545.001	3.963	10.839	18.545
8/3/2021 3:31	55560.001	3.964	10.845	18.543
8/3/2021 3:31	55575.001	3.963	10.844	18.544
8/3/2021 3:32	55590.001	3.963	10.851	18.545
8/3/2021 3:32	55605.001	3.964	10.835	18.542
8/3/2021 3:32	55620.001	3.961	10.82	18.55
8/3/2021 3:32	55635.001	3.963	10.827	18.546
8/3/2021 3:33	55650.001	3.963	10.826	18.545
8/3/2021 3:33	55665.001	3.964	10.85	18.542
8/3/2021 3:33	55680.001	3.962	10.848	18.548
8/3/2021 3:33	55695.001	3.962	10.821	18.547
8/3/2021 3:34	55710.001	3.964	10.838	18.544
8/3/2021 3:34	55725.001	3.961	10.85	18.55
8/3/2021 3:34	55740.001	3.961	10.842	18.549
8/3/2021 3:34	55755.001	3.962	10.814	18.547
8/3/2021 3:35	55770.001	3.962	10.825	18.546
8/3/2021 3:35	55785.001	3.961	10.825	18.549
8/3/2021 3:35	55800.001	3.962	10.839	18.547
8/3/2021 3:35	55815.001	3.962	10.859	18.547
8/3/2021 3:36	55830.001	3.962	10.82	18.547
8/3/2021 3:36	55845.001	3.963	10.87	18.544
8/3/2021 3:36	55860.001	3.962	10.84	18.547
8/3/2021 3:36	55875.001	3.965	10.845	18.54
8/3/2021 3:37	55890.001	3.963	10.815	18.544
8/3/2021 3:37	55905.001	3.964	10.834	18.543
8/3/2021 3:37	55920.001	3.962	10.827	18.547
8/3/2021 3:37	55935.001	3.962	10.835	18.547
8/3/2021 3:38	55950.001	3.963	10.829	18.546
8/3/2021 3:38	55965.001	3.963	10.856	18.544
8/3/2021 3:38	55980.001	3.961	10.834	18.55
8/3/2021 3:38	55995.001	3.964	10.838	18.543
8/3/2021 3:39	56010.001	3.963	10.851	18.545
8/3/2021 3:39	56025.001	3.964	10.823	18.543
8/3/2021 3:39	56040.001	3.963	10.823	18.545
8/3/2021 3:39	56055.001	3.962	10.834	18.546
8/3/2021 3:40	56070.001	3.962	10.83	18.546
8/3/2021 3:40	56085.001	3.965	10.841	18.541
8/3/2021 3:40	56100.001	3.964	10.828	18.543
8/3/2021 3:40	56115.001	3.963	10.857	18.545
8/3/2021 3:41	56130.001	3.963	10.845	18.544
8/3/2021 3:41	56145.001	3.962	10.826	18.546
8/3/2021 3:41	56160.001	3.962	10.843	18.547
8/3/2021 3:41	56175.001	3.964	10.824	18.542
8/3/2021 3:42	56190.001	3.963	10.826	18.544
8/3/2021 3:42	56205.001	3.962	10.835	18.546
8/3/2021 3:42	56220.001	3.964	10.829	18.542
8/3/2021 3:42	56235.001	3.963	10.845	18.545
8/3/2021 3:43	56250.001	3.963	10.843	18.545

8/3/2021 3:43	56265.001	3.963	10.83	18.546
8/3/2021 3:43	56280.001	3.963	10.831	18.545
8/3/2021 3:43	56295.001	3.965	10.834	18.541
8/3/2021 3:44	56310.001	3.962	10.855	18.548
8/3/2021 3:44	56325.001	3.964	10.823	18.543
8/3/2021 3:44	56340.001	3.962	10.84	18.546
8/3/2021 3:44	56355.001	3.964	10.847	18.543
8/3/2021 3:45	56370.001	3.963	10.843	18.545
8/3/2021 3:45	56385.001	3.964	10.84	18.544
8/3/2021 3:45	56400.001	3.963	10.826	18.544
8/3/2021 3:45	56415.001	3.964	10.817	18.543
8/3/2021 3:46	56430.001	3.964	10.84	18.542
8/3/2021 3:46	56445.001	3.963	10.841	18.545
8/3/2021 3:46	56460.001	3.965	10.83	18.541
8/3/2021 3:46	56475.001	3.964	10.837	18.543
8/3/2021 3:47	56490.001	3.964	10.858	18.544
8/3/2021 3:47	56505.001	3.964	10.866	18.541
8/3/2021 3:47	56520.001	3.964	10.831	18.543
8/3/2021 3:47	56535.001	3.961	10.839	18.549
8/3/2021 3:48	56550.001	3.963	10.837	18.544
8/3/2021 3:48	56565.001	3.963	10.823	18.546
8/3/2021 3:48	56580.001	3.964	10.843	18.543
8/3/2021 3:48	56595.001	3.965	10.807	18.541
8/3/2021 3:49	56610.001	3.962	10.834	18.547
8/3/2021 3:49	56625.001	3.961	10.854	18.549
8/3/2021 3:49	56640.001	3.966	10.82	18.539
8/3/2021 3:49	56655.001	3.964	10.848	18.542
8/3/2021 3:50	56670.001	3.962	10.814	18.546
8/3/2021 3:50	56685.001	3.963	10.831	18.545
8/3/2021 3:50	56700.001	3.965	10.859	18.54
8/3/2021 3:50	56715.001	3.962	10.842	18.546
8/3/2021 3:51	56730.001	3.964	10.861	18.542
8/3/2021 3:51	56745.001	3.963	10.834	18.545
8/3/2021 3:51	56760.001	3.964	10.823	18.544
8/3/2021 3:51	56775.001	3.964	10.828	18.542
8/3/2021 3:52	56790.001	3.964	10.854	18.543
8/3/2021 3:52	56805.001	3.963	10.863	18.545
8/3/2021 3:52	56820.001	3.961	10.837	18.549
8/3/2021 3:52	56835.001	3.963	10.859	18.545
8/3/2021 3:53	56850.001	3.963	10.845	18.545
8/3/2021 3:53	56865.001	3.963	10.847	18.545
8/3/2021 3:53	56880.001	3.964	10.856	18.542
8/3/2021 3:53	56895.001	3.965	10.832	18.541
8/3/2021 3:54	56910.001	3.964	10.851	18.542
8/3/2021 3:54	56925.001	3.964	10.818	18.543
8/3/2021 3:54	56940.001	3.966	10.851	18.538
8/3/2021 3:54	56955.001	3.965	10.829	18.541
8/3/2021 3:55	56970.001	3.965	10.846	18.541
8/3/2021 3:55	56985.001	3.965	10.837	18.54
8/3/2021 3:55	57000.001	3.966	10.845	18.537
8/3/2021 3:55	57015.001	3.964	10.8	18.544
8/3/2021 3:56	57030.001	3.962	10.867	18.547
8/3/2021 3:56	57045.001	3.964	10.842	18.543
8/3/2021 3:56	57060.001	3.964	10.851	18.542
8/3/2021 3:56	57075.001	3.964	10.842	18.543
8/3/2021 3:57	57090.001	3.966	10.837	18.538
8/3/2021 3:57	57105.001	3.964	10.848	18.543
8/3/2021 3:57	57120.001	3.966	10.848	18.539

8/3/2021 3:57	57135.001	3.964	10.839	18.542
8/3/2021 3:58	57150.001	3.964	10.848	18.543
8/3/2021 3:58	57165.001	3.965	10.857	18.541
8/3/2021 3:58	57180.001	3.963	10.852	18.546
8/3/2021 3:58	57195.001	3.963	10.837	18.546
8/3/2021 3:59	57210.001	3.963	10.848	18.545
8/3/2021 3:59	57225.001	3.964	10.834	18.543
8/3/2021 3:59	57240.001	3.964	10.855	18.543
8/3/2021 3:59	57255.001	3.965	10.82	18.541
8/3/2021 4:00	57270.001	3.964	10.84	18.543
8/3/2021 4:00	57285.001	3.964	10.853	18.543
8/3/2021 4:00	57300.001	3.964	10.839	18.543
8/3/2021 4:00	57315.001	3.965	10.843	18.541
8/3/2021 4:01	57330.001	3.964	10.847	18.542
8/3/2021 4:01	57345.001	3.964	10.851	18.542
8/3/2021 4:01	57360.001	3.963	10.823	18.544
8/3/2021 4:01	57375.001	3.962	10.84	18.547
8/3/2021 4:02	57390.001	3.965	10.815	18.541
8/3/2021 4:02	57405.001	3.965	10.846	18.541
8/3/2021 4:02	57420.001	3.964	10.848	18.542
8/3/2021 4:02	57435.001	3.964	10.834	18.543
8/3/2021 4:03	57450.001	3.963	10.834	18.544
8/3/2021 4:03	57465.001	3.962	10.833	18.547
8/3/2021 4:03	57480.001	3.964	10.857	18.541
8/3/2021 4:03	57495.001	3.964	10.831	18.542
8/3/2021 4:04	57510.001	3.964	10.846	18.542
8/3/2021 4:04	57525.001	3.966	10.834	18.538
8/3/2021 4:04	57540.001	3.965	10.842	18.54
8/3/2021 4:04	57555.001	3.964	10.825	18.543
8/3/2021 4:05	57570.001	3.964	10.827	18.543
8/3/2021 4:05	57585.001	3.964	10.826	18.543
8/3/2021 4:05	57600.001	3.965	10.848	18.541
8/3/2021 4:05	57615.001	3.964	10.833	18.542
8/3/2021 4:06	57630.001	3.966	10.848	18.538
8/3/2021 4:06	57645.001	3.966	10.846	18.539
8/3/2021 4:06	57660.001	3.965	10.841	18.54
8/3/2021 4:06	57675.001	3.961	10.829	18.548
8/3/2021 4:07	57690.001	3.962	10.851	18.547
8/3/2021 4:07	57705.001	3.962	10.844	18.546
8/3/2021 4:07	57720.001	3.965	10.828	18.541
8/3/2021 4:07	57735.001	3.965	10.852	18.541
8/3/2021 4:08	57750.001	3.965	10.854	18.541
8/3/2021 4:08	57765.001	3.966	10.838	18.538
8/3/2021 4:08	57780.001	3.965	10.845	18.54
8/3/2021 4:08	57795.001	3.964	10.829	18.542
8/3/2021 4:09	57810.001	3.965	10.85	18.54
8/3/2021 4:09	57825.001	3.963	10.833	18.545
8/3/2021 4:09	57840.001	3.965	10.839	18.541
8/3/2021 4:09	57855.001	3.964	10.846	18.542
8/3/2021 4:10	57870.001	3.965	10.826	18.541
8/3/2021 4:10	57885.001	3.965	10.845	18.541
8/3/2021 4:10	57900.001	3.964	10.845	18.543
8/3/2021 4:10	57915.001	3.963	10.847	18.545
8/3/2021 4:11	57930.001	3.963	10.854	18.544
8/3/2021 4:11	57945.001	3.962	10.838	18.546
8/3/2021 4:11	57960.001	3.964	10.847	18.544
8/3/2021 4:11	57975.001	3.964	10.857	18.543
8/3/2021 4:12	57990.001	3.964	10.863	18.542

8/3/2021 4:12	58005.001	3.965	10.824	18.541
8/3/2021 4:12	58020.001	3.963	10.85	18.545
8/3/2021 4:12	58035.001	3.965	10.823	18.54
8/3/2021 4:13	58050.001	3.964	10.842	18.542
8/3/2021 4:13	58065.001	3.961	10.842	18.55
8/3/2021 4:13	58080.001	3.963	10.859	18.546
8/3/2021 4:13	58095.001	3.964	10.834	18.542
8/3/2021 4:14	58110.001	3.963	10.842	18.546
8/3/2021 4:14	58125.001	3.965	10.822	18.541
8/3/2021 4:14	58140.001	3.965	10.829	18.539
8/3/2021 4:14	58155.001	3.965	10.84	18.541
8/3/2021 4:15	58170.001	3.963	10.831	18.546
8/3/2021 4:15	58185.001	3.964	10.855	18.543
8/3/2021 4:15	58200.001	3.965	10.847	18.54
8/3/2021 4:15	58215.001	3.966	10.835	18.538
8/3/2021 4:16	58230.001	3.963	10.836	18.545
8/3/2021 4:16	58245.001	3.963	10.824	18.545
8/3/2021 4:16	58260.001	3.964	10.825	18.543
8/3/2021 4:16	58275.001	3.965	10.851	18.539
8/3/2021 4:17	58290.001	3.963	10.853	18.545
8/3/2021 4:17	58305.001	3.964	10.829	18.543
8/3/2021 4:17	58320.001	3.966	10.821	18.539
8/3/2021 4:17	58335.001	3.964	10.835	18.543
8/3/2021 4:18	58350.001	3.966	10.823	18.538
8/3/2021 4:18	58365.001	3.964	10.833	18.542
8/3/2021 4:18	58380.001	3.967	10.84	18.536
8/3/2021 4:18	58395.001	3.964	10.845	18.543
8/3/2021 4:19	58410.001	3.964	10.85	18.542
8/3/2021 4:19	58425.001	3.965	10.85	18.54
8/3/2021 4:19	58440.001	3.964	10.852	18.544
8/3/2021 4:19	58455.001	3.967	10.837	18.537
8/3/2021 4:20	58470.001	3.965	10.859	18.54
8/3/2021 4:20	58485.001	3.966	10.837	18.539
8/3/2021 4:20	58500.001	3.967	10.846	18.536
8/3/2021 4:20	58515.001	3.964	10.835	18.541
8/3/2021 4:21	58530.001	3.964	10.84	18.543
8/3/2021 4:21	58545.001	3.965	10.82	18.541
8/3/2021 4:21	58560.001	3.966	10.831	18.538
8/3/2021 4:21	58575.001	3.964	10.829	18.543
8/3/2021 4:22	58590.001	3.964	10.854	18.542
8/3/2021 4:22	58605.001	3.966	10.843	18.539
8/3/2021 4:22	58620.001	3.963	10.827	18.544
8/3/2021 4:22	58635.001	3.965	10.834	18.539
8/3/2021 4:23	58650.001	3.966	10.867	18.539
8/3/2021 4:23	58665.001	3.963	10.829	18.545
8/3/2021 4:23	58680.001	3.966	10.816	18.538
8/3/2021 4:23	58695.001	3.964	10.875	18.542
8/3/2021 4:24	58710.001	3.964	10.837	18.542
8/3/2021 4:24	58725.001	3.966	10.834	18.537
8/3/2021 4:24	58740.001	3.964	10.839	18.543
8/3/2021 4:24	58755.001	3.965	10.845	18.541
8/3/2021 4:25	58770.001	3.965	10.851	18.54
8/3/2021 4:25	58785.001	3.965	10.854	18.541
8/3/2021 4:25	58800.001	3.964	10.855	18.542
8/3/2021 4:25	58815.001	3.963	10.831	18.544
8/3/2021 4:26	58830.001	3.964	10.871	18.543
8/3/2021 4:26	58845.001	3.965	10.861	18.54
8/3/2021 4:26	58860.001	3.965	10.824	18.541

8/3/2021 4:26	58875.001	3.965	10.831	18.54
8/3/2021 4:27	58890.001	3.965	10.867	18.541
8/3/2021 4:27	58905.001	3.964	10.831	18.544
8/3/2021 4:27	58920.001	3.964	10.84	18.542
8/3/2021 4:27	58935.001	3.965	10.84	18.541
8/3/2021 4:28	58950.001	3.964	10.862	18.541
8/3/2021 4:28	58965.001	3.964	10.857	18.542
8/3/2021 4:28	58980.001	3.964	10.827	18.542
8/3/2021 4:28	58995.001	3.965	10.855	18.541
8/3/2021 4:29	59010.001	3.966	10.831	18.538
8/3/2021 4:29	59025.001	3.966	10.824	18.539
8/3/2021 4:29	59040.001	3.967	10.844	18.536
8/3/2021 4:29	59055.001	3.965	10.834	18.541
8/3/2021 4:30	59070.001	3.963	10.847	18.544
8/3/2021 4:30	59085.001	3.963	10.851	18.544
8/3/2021 4:30	59100.001	3.963	10.853	18.545
8/3/2021 4:30	59115.001	3.965	10.844	18.541
8/3/2021 4:31	59130.001	3.965	10.793	18.541
8/3/2021 4:31	59145.001	3.967	10.854	18.535
8/3/2021 4:31	59160.001	3.962	10.825	18.547
8/3/2021 4:31	59175.001	3.962	10.862	18.547
8/3/2021 4:32	59190.001	3.966	10.856	18.539
8/3/2021 4:32	59205.001	3.964	10.844	18.542
8/3/2021 4:32	59220.001	3.964	10.829	18.542
8/3/2021 4:32	59235.001	3.965	10.838	18.54
8/3/2021 4:33	59250.001	3.965	10.861	18.541
8/3/2021 4:33	59265.001	3.966	10.826	18.538
8/3/2021 4:33	59280.001	3.967	10.854	18.537
8/3/2021 4:33	59295.001	3.966	10.859	18.538
8/3/2021 4:34	59310.001	3.963	10.839	18.545
8/3/2021 4:34	59325.001	3.965	10.857	18.54
8/3/2021 4:34	59340.001	3.967	10.842	18.537
8/3/2021 4:34	59355.001	3.964	10.846	18.542
8/3/2021 4:35	59370.001	3.965	10.845	18.541
8/3/2021 4:35	59385.001	3.966	10.854	18.539
8/3/2021 4:35	59400.001	3.966	10.821	18.537
8/3/2021 4:35	59415.001	3.964	10.836	18.542
8/3/2021 4:36	59430.001	3.964	10.829	18.542
8/3/2021 4:36	59445.001	3.964	10.837	18.542
8/3/2021 4:36	59460.001	3.965	10.836	18.539
8/3/2021 4:36	59475.001	3.965	10.85	18.54
8/3/2021 4:37	59490.001	3.965	10.867	18.54
8/3/2021 4:37	59505.001	3.964	10.831	18.541
8/3/2021 4:37	59520.001	3.965	10.831	18.54
8/3/2021 4:37	59535.001	3.967	10.854	18.535
8/3/2021 4:38	59550.001	3.965	10.867	18.539
8/3/2021 4:38	59565.001	3.965	10.842	18.541
8/3/2021 4:38	59580.001	3.964	10.829	18.542
8/3/2021 4:38	59595.001	3.964	10.849	18.542
8/3/2021 4:39	59610.001	3.966	10.822	18.538
8/3/2021 4:39	59625.001	3.964	10.84	18.542
8/3/2021 4:39	59640.001	3.967	10.838	18.535
8/3/2021 4:39	59655.001	3.968	10.844	18.534
8/3/2021 4:40	59670.001	3.964	10.84	18.542
8/3/2021 4:40	59685.001	3.963	10.84	18.545
8/3/2021 4:40	59700.001	3.963	10.849	18.545
8/3/2021 4:40	59715.001	3.964	10.836	18.542
8/3/2021 4:41	59730.001	3.965	10.864	18.54

8/3/2021 4:41	59745.001	3.966	10.826	18.539
8/3/2021 4:41	59760.001	3.963	10.861	18.545
8/3/2021 4:41	59775.001	3.965	10.827	18.541
8/3/2021 4:42	59790.001	3.966	10.834	18.539
8/3/2021 4:42	59805.001	3.963	10.859	18.544
8/3/2021 4:42	59820.001	3.965	10.84	18.54
8/3/2021 4:42	59835.001	3.964	10.824	18.542
8/3/2021 4:43	59850.001	3.965	10.823	18.54
8/3/2021 4:43	59865.001	3.964	10.854	18.543
8/3/2021 4:43	59880.001	3.966	10.832	18.538
8/3/2021 4:43	59895.001	3.964	10.839	18.542
8/3/2021 4:44	59910.001	3.965	10.84	18.54
8/3/2021 4:44	59925.001	3.964	10.84	18.542
8/3/2021 4:44	59940.001	3.965	10.841	18.541
8/3/2021 4:44	59955.001	3.966	10.837	18.537
8/3/2021 4:45	59970.001	3.964	10.842	18.544
8/3/2021 4:45	59985.001	3.964	10.837	18.543
8/3/2021 4:45	60000.001	3.966	10.847	18.537
8/3/2021 4:45	60015.001	3.966	10.857	18.538
8/3/2021 4:46	60030.001	3.964	10.846	18.542
8/3/2021 4:46	60045.001	3.964	10.845	18.542
8/3/2021 4:46	60060.001	3.964	10.846	18.543
8/3/2021 4:46	60075.001	3.963	10.831	18.544
8/3/2021 4:47	60090.001	3.965	10.81	18.541
8/3/2021 4:47	60105.001	3.964	10.873	18.542
8/3/2021 4:47	60120.001	3.963	10.837	18.545
8/3/2021 4:47	60135.001	3.965	10.84	18.541
8/3/2021 4:48	60150.001	3.965	10.848	18.54
8/3/2021 4:48	60165.001	3.963	10.829	18.545
8/3/2021 4:48	60180.001	3.964	10.842	18.543
8/3/2021 4:48	60195.001	3.964	10.829	18.542
8/3/2021 4:49	60210.001	3.965	10.855	18.541
8/3/2021 4:49	60225.001	3.966	10.839	18.538
8/3/2021 4:49	60240.001	3.964	10.834	18.542
8/3/2021 4:49	60255.001	3.966	10.847	18.538
8/3/2021 4:50	60270.001	3.965	10.827	18.54
8/3/2021 4:50	60285.001	3.964	10.842	18.543
8/3/2021 4:50	60300.001	3.966	10.85	18.537
8/3/2021 4:50	60315.001	3.964	10.842	18.543
8/3/2021 4:51	60330.001	3.966	10.841	18.538
8/3/2021 4:51	60345.001	3.966	10.829	18.538
8/3/2021 4:51	60360.001	3.965	10.821	18.541
8/3/2021 4:51	60375.001	3.964	10.842	18.541
8/3/2021 4:52	60390.001	3.965	10.829	18.541
8/3/2021 4:52	60405.001	3.964	10.845	18.542
8/3/2021 4:52	60420.001	3.963	10.84	18.545
8/3/2021 4:52	60435.001	3.965	10.823	18.541
8/3/2021 4:53	60450.001	3.967	10.837	18.536
8/3/2021 4:53	60465.001	3.963	10.821	18.544
8/3/2021 4:53	60480.001	3.963	10.823	18.545
8/3/2021 4:53	60495.001	3.964	10.821	18.542
8/3/2021 4:54	60510.001	3.964	10.852	18.542
8/3/2021 4:54	60525.001	3.962	10.846	18.547
8/3/2021 4:54	60540.001	3.964	10.848	18.543
8/3/2021 4:54	60555.001	3.964	10.809	18.543
8/3/2021 4:55	60570.001	3.965	10.848	18.541
8/3/2021 4:55	60585.001	3.964	10.84	18.542
8/3/2021 4:55	60600.001	3.963	10.839	18.545

8/3/2021 4:55	60615.001	3.964	10.851	18.543
8/3/2021 4:56	60630.001	3.963	10.843	18.544
8/3/2021 4:56	60645.001	3.963	10.837	18.544
8/3/2021 4:56	60660.001	3.961	10.834	18.55
8/3/2021 4:56	60675.001	3.965	10.85	18.54
8/3/2021 4:57	60690.001	3.964	10.856	18.541
8/3/2021 4:57	60705.001	3.964	10.826	18.543
8/3/2021 4:57	60720.001	3.966	10.844	18.539
8/3/2021 4:57	60735.001	3.965	10.827	18.54
8/3/2021 4:58	60750.001	3.965	10.83	18.541
8/3/2021 4:58	60765.001	3.965	10.847	18.54
8/3/2021 4:58	60780.001	3.965	10.831	18.539
8/3/2021 4:58	60795.001	3.963	10.842	18.544
8/3/2021 4:59	60810.001	3.96	10.826	18.551
8/3/2021 4:59	60825.001	3.962	10.822	18.548
8/3/2021 4:59	60840.001	3.964	10.846	18.543
8/3/2021 4:59	60855.001	3.964	10.831	18.543
8/3/2021 5:00	60870.001	3.965	10.826	18.541
8/3/2021 5:00	60885.001	3.966	10.835	18.538
8/3/2021 5:00	60900.001	3.964	10.84	18.543
8/3/2021 5:00	60915.001	3.962	10.82	18.546
8/3/2021 5:01	60930.001	3.964	10.834	18.543
8/3/2021 5:01	60945.001	3.963	10.845	18.545
8/3/2021 5:01	60960.001	3.964	10.837	18.542
8/3/2021 5:01	60975.001	3.966	10.841	18.538
8/3/2021 5:02	60990.001	3.964	10.806	18.542
8/3/2021 5:02	61005.001	3.964	10.823	18.543
8/3/2021 5:02	61020.001	3.964	10.84	18.543
8/3/2021 5:02	61035.001	3.964	10.829	18.543
8/3/2021 5:03	61050.001	3.964	10.843	18.543
8/3/2021 5:03	61065.001	3.963	10.836	18.545
8/3/2021 5:03	61080.001	3.962	10.837	18.546
8/3/2021 5:03	61095.001	3.964	10.851	18.543
8/3/2021 5:04	61110.001	3.966	10.841	18.538
8/3/2021 5:04	61125.001	3.964	10.839	18.541
8/3/2021 5:04	61140.001	3.964	10.828	18.542
8/3/2021 5:04	61155.001	3.964	10.84	18.543
8/3/2021 5:05	61170.001	3.966	10.85	18.539
8/3/2021 5:05	61185.001	3.965	10.834	18.54
8/3/2021 5:05	61200.001	3.965	10.819	18.541
8/3/2021 5:05	61215.001	3.963	10.841	18.544
8/3/2021 5:06	61230.001	3.963	10.831	18.544
8/3/2021 5:06	61245.001	3.963	10.842	18.545
8/3/2021 5:06	61260.001	3.961	10.804	18.549
8/3/2021 5:06	61275.001	3.964	10.866	18.543
8/3/2021 5:07	61290.001	3.965	10.84	18.539
8/3/2021 5:07	61305.001	3.961	10.797	18.548
8/3/2021 5:07	61320.001	3.962	10.84	18.546
8/3/2021 5:07	61335.001	3.962	10.818	18.546
8/3/2021 5:08	61350.001	3.965	10.798	18.541
8/3/2021 5:08	61365.001	3.964	10.848	18.543
8/3/2021 5:08	61380.001	3.965	10.829	18.539
8/3/2021 5:08	61395.001	3.964	10.83	18.542
8/3/2021 5:09	61410.001	3.963	10.84	18.546
8/3/2021 5:09	61425.001	3.964	10.823	18.543
8/3/2021 5:09	61440.001	3.965	10.836	18.54
8/3/2021 5:09	61455.001	3.963	10.83	18.544
8/3/2021 5:10	61470.001	3.965	10.82	18.539

8/3/2021 5:10	61485.001	3.963	10.838	18.545
8/3/2021 5:10	61500.001	3.964	10.831	18.543
8/3/2021 5:10	61515.001	3.963	10.823	18.544
8/3/2021 5:11	61530.001	3.963	10.842	18.544
8/3/2021 5:11	61545.001	3.963	10.826	18.546
8/3/2021 5:11	61560.001	3.963	10.845	18.544
8/3/2021 5:11	61575.001	3.966	10.837	18.538
8/3/2021 5:12	61590.001	3.964	10.829	18.543
8/3/2021 5:12	61605.001	3.962	10.839	18.547
8/3/2021 5:12	61620.001	3.965	10.826	18.541
8/3/2021 5:12	61635.001	3.962	10.799	18.548
8/3/2021 5:13	61650.001	3.965	10.802	18.54
8/3/2021 5:13	61665.001	3.962	10.852	18.547
8/3/2021 5:13	61680.001	3.964	10.829	18.542
8/3/2021 5:13	61695.001	3.965	10.818	18.54
8/3/2021 5:14	61710.001	3.962	10.825	18.548
8/3/2021 5:14	61725.001	3.964	10.829	18.543
8/3/2021 5:14	61740.001	3.963	10.856	18.544
8/3/2021 5:14	61755.001	3.964	10.847	18.542
8/3/2021 5:15	61770.001	3.963	10.819	18.545
8/3/2021 5:15	61785.001	3.965	10.828	18.541
8/3/2021 5:15	61800.001	3.963	10.848	18.545
8/3/2021 5:15	61815.001	3.965	10.817	18.54
8/3/2021 5:16	61830.001	3.962	10.823	18.546
8/3/2021 5:16	61845.001	3.964	10.834	18.543
8/3/2021 5:16	61860.001	3.964	10.823	18.543
8/3/2021 5:16	61875.001	3.965	10.834	18.54
8/3/2021 5:17	61890.001	3.964	10.83	18.543
8/3/2021 5:17	61905.001	3.964	10.826	18.542
8/3/2021 5:17	61920.001	3.962	10.836	18.548
8/3/2021 5:17	61935.001	3.963	10.837	18.544
8/3/2021 5:18	61950.001	3.962	10.823	18.548
8/3/2021 5:18	61965.001	3.964	10.83	18.542
8/3/2021 5:18	61980.001	3.964	10.859	18.543
8/3/2021 5:18	61995.001	3.964	10.834	18.542
8/3/2021 5:19	62010.001	3.965	10.803	18.541
8/3/2021 5:19	62025.001	3.964	10.856	18.543
8/3/2021 5:19	62040.001	3.962	10.821	18.548
8/3/2021 5:19	62055.001	3.962	10.839	18.546
8/3/2021 5:20	62070.001	3.965	10.817	18.541
8/3/2021 5:20	62085.001	3.962	10.813	18.548
8/3/2021 5:20	62100.001	3.963	10.814	18.545
8/3/2021 5:20	62115.001	3.964	10.837	18.543
8/3/2021 5:21	62130.001	3.963	10.813	18.545
8/3/2021 5:21	62145.001	3.964	10.813	18.542
8/3/2021 5:21	62160.001	3.963	10.857	18.545
8/3/2021 5:21	62175.001	3.962	10.809	18.546
8/3/2021 5:22	62190.001	3.963	10.826	18.545
8/3/2021 5:22	62205.001	3.963	10.822	18.545
8/3/2021 5:22	62220.001	3.962	10.805	18.547
8/3/2021 5:22	62235.001	3.962	10.829	18.547
8/3/2021 5:23	62250.001	3.962	10.842	18.548
8/3/2021 5:23	62265.001	3.962	10.82	18.548
8/3/2021 5:23	62280.001	3.962	10.829	18.546
8/3/2021 5:23	62295.001	3.963	10.808	18.545
8/3/2021 5:24	62310.001	3.962	10.804	18.547
8/3/2021 5:24	62325.001	3.963	10.829	18.545
8/3/2021 5:24	62340.001	3.963	10.817	18.545

8/3/2021 5:24	62355.001	3.965	10.845	18.541
8/3/2021 5:25	62370.001	3.964	10.837	18.543
8/3/2021 5:25	62385.001	3.964	10.831	18.543
8/3/2021 5:25	62400.001	3.964	10.82	18.542
8/3/2021 5:25	62415.001	3.964	10.822	18.544
8/3/2021 5:26	62430.001	3.964	10.823	18.543
8/3/2021 5:26	62445.001	3.965	10.831	18.54
8/3/2021 5:26	62460.001	3.964	10.802	18.543
8/3/2021 5:26	62475.001	3.964	10.84	18.543
8/3/2021 5:27	62490.001	3.964	10.844	18.543
8/3/2021 5:27	62505.001	3.965	10.822	18.541
8/3/2021 5:27	62520.001	3.964	10.84	18.543
8/3/2021 5:27	62535.001	3.962	10.808	18.548
8/3/2021 5:28	62550.001	3.964	10.83	18.543
8/3/2021 5:28	62565.001	3.963	10.815	18.544
8/3/2021 5:28	62580.001	3.964	10.831	18.542
8/3/2021 5:28	62595.001	3.962	10.845	18.548
8/3/2021 5:29	62610.001	3.964	10.82	18.543
8/3/2021 5:29	62625.001	3.963	10.823	18.545
8/3/2021 5:29	62640.001	3.964	10.839	18.543
8/3/2021 5:29	62655.001	3.964	10.839	18.541
8/3/2021 5:30	62670.001	3.964	10.842	18.543
8/3/2021 5:30	62685.001	3.964	10.835	18.543
8/3/2021 5:30	62700.001	3.964	10.819	18.542
8/3/2021 5:30	62715.001	3.961	10.836	18.55
8/3/2021 5:31	62730.001	3.964	10.809	18.543
8/3/2021 5:31	62745.001	3.963	10.829	18.544
8/3/2021 5:31	62760.001	3.963	10.833	18.544
8/3/2021 5:31	62775.001	3.963	10.835	18.546
8/3/2021 5:32	62790.001	3.961	10.859	18.549
8/3/2021 5:32	62805.001	3.963	10.835	18.544
8/3/2021 5:32	62820.001	3.963	10.819	18.546
8/3/2021 5:32	62835.001	3.961	10.828	18.55
8/3/2021 5:33	62850.001	3.963	10.825	18.545
8/3/2021 5:33	62865.001	3.963	10.816	18.546
8/3/2021 5:33	62880.001	3.964	10.818	18.543
8/3/2021 5:33	62895.001	3.962	10.801	18.546
8/3/2021 5:34	62910.001	3.963	10.822	18.544
8/3/2021 5:34	62925.001	3.963	10.812	18.545
8/3/2021 5:34	62940.001	3.961	10.819	18.549
8/3/2021 5:34	62955.001	3.964	10.838	18.543
8/3/2021 5:35	62970.001	3.966	10.837	18.538
8/3/2021 5:35	62985.001	3.964	10.808	18.542
8/3/2021 5:35	63000.001	3.964	10.804	18.542
8/3/2021 5:35	63015.001	3.964	10.82	18.543
8/3/2021 5:36	63030.001	3.964	10.818	18.543
8/3/2021 5:36	63045.001	3.964	10.809	18.543
8/3/2021 5:36	63060.001	3.962	10.851	18.547
8/3/2021 5:36	63075.001	3.961	10.805	18.549
8/3/2021 5:37	63090.001	3.962	10.838	18.548
8/3/2021 5:37	63105.001	3.962	10.834	18.548
8/3/2021 5:37	63120.001	3.962	10.813	18.546
8/3/2021 5:37	63135.001	3.964	10.826	18.543
8/3/2021 5:38	63150.001	3.962	10.83	18.547
8/3/2021 5:38	63165.001	3.961	10.824	18.549
8/3/2021 5:38	63180.001	3.962	10.831	18.547
8/3/2021 5:38	63195.001	3.962	10.838	18.546
8/3/2021 5:39	63210.001	3.963	10.836	18.544

8/3/2021 5:39	63225.001	3.962	10.821	18.547
8/3/2021 5:39	63240.001	3.964	10.834	18.543
8/3/2021 5:39	63255.001	3.963	10.836	18.545
8/3/2021 5:40	63270.001	3.964	10.847	18.543
8/3/2021 5:40	63285.001	3.964	10.845	18.542
8/3/2021 5:40	63300.001	3.963	10.843	18.545
8/3/2021 5:40	63315.001	3.962	10.834	18.546
8/3/2021 5:41	63330.001	3.963	10.807	18.544
8/3/2021 5:41	63345.001	3.964	10.826	18.542
8/3/2021 5:41	63360.001	3.961	10.849	18.549
8/3/2021 5:41	63375.001	3.963	10.801	18.546
8/3/2021 5:42	63390.001	3.962	10.826	18.546
8/3/2021 5:42	63405.001	3.963	10.807	18.544
8/3/2021 5:42	63420.001	3.964	10.83	18.543
8/3/2021 5:42	63435.001	3.961	10.82	18.548
8/3/2021 5:43	63450.001	3.964	10.851	18.543
8/3/2021 5:43	63465.001	3.964	10.808	18.543
8/3/2021 5:43	63480.001	3.964	10.84	18.543
8/3/2021 5:43	63495.001	3.966	10.833	18.538
8/3/2021 5:44	63510.001	3.962	10.817	18.548
8/3/2021 5:44	63525.001	3.963	10.858	18.545
8/3/2021 5:44	63540.001	3.961	10.837	18.55
8/3/2021 5:44	63555.001	3.961	10.82	18.55
8/3/2021 5:45	63570.001	3.964	10.839	18.542
8/3/2021 5:45	63585.001	3.963	10.82	18.545
8/3/2021 5:45	63600.001	3.964	10.838	18.543
8/3/2021 5:45	63615.001	3.963	10.794	18.546
8/3/2021 5:46	63630.001	3.962	10.827	18.547
8/3/2021 5:46	63645.001	3.963	10.813	18.545
8/3/2021 5:46	63660.001	3.963	10.823	18.544
8/3/2021 5:46	63675.001	3.962	10.824	18.547
8/3/2021 5:47	63690.001	3.963	10.842	18.545
8/3/2021 5:47	63705.001	3.962	10.81	18.547
8/3/2021 5:47	63720.001	3.962	10.81	18.547
8/3/2021 5:47	63735.001	3.965	10.828	18.54
8/3/2021 5:48	63750.001	3.963	10.827	18.545
8/3/2021 5:48	63765.001	3.962	10.816	18.548
8/3/2021 5:48	63780.001	3.964	10.837	18.543
8/3/2021 5:48	63795.001	3.961	10.841	18.549
8/3/2021 5:49	63810.001	3.962	10.83	18.548
8/3/2021 5:49	63825.001	3.964	10.839	18.542
8/3/2021 5:49	63840.001	3.963	10.841	18.544
8/3/2021 5:49	63855.001	3.964	10.831	18.543
8/3/2021 5:50	63870.001	3.963	10.829	18.545
8/3/2021 5:50	63885.001	3.964	10.846	18.543
8/3/2021 5:50	63900.001	3.962	10.812	18.548
8/3/2021 5:50	63915.001	3.964	10.825	18.543
8/3/2021 5:51	63930.001	3.964	10.826	18.542
8/3/2021 5:51	63945.001	3.963	10.811	18.545
8/3/2021 5:51	63960.001	3.965	10.823	18.541
8/3/2021 5:51	63975.001	3.963	10.826	18.545
8/3/2021 5:52	63990.001	3.963	10.817	18.545
8/3/2021 5:52	64005.001	3.962	10.85	18.547
8/3/2021 5:52	64020.001	3.964	10.806	18.542
8/3/2021 5:52	64035.001	3.964	10.834	18.543
8/3/2021 5:53	64050.001	3.963	10.839	18.545
8/3/2021 5:53	64065.001	3.963	10.818	18.545
8/3/2021 5:53	64080.001	3.963	10.81	18.546

8/3/2021 5:53	64095.001	3.964	10.857	18.542
8/3/2021 5:54	64110.001	3.964	10.834	18.543
8/3/2021 5:54	64125.001	3.964	10.817	18.542
8/3/2021 5:54	64140.001	3.962	10.825	18.548
8/3/2021 5:54	64155.001	3.963	10.82	18.544
8/3/2021 5:55	64170.001	3.962	10.835	18.548
8/3/2021 5:55	64185.001	3.962	10.815	18.546
8/3/2021 5:55	64200.001	3.964	10.824	18.542
8/3/2021 5:55	64215.001	3.963	10.859	18.545
8/3/2021 5:56	64230.001	3.962	10.839	18.547
8/3/2021 5:56	64245.001	3.961	10.82	18.55
8/3/2021 5:56	64260.001	3.963	10.832	18.546
8/3/2021 5:56	64275.001	3.962	10.822	18.546
8/3/2021 5:57	64290.001	3.963	10.826	18.545
8/3/2021 5:57	64305.001	3.963	10.822	18.546
8/3/2021 5:57	64320.001	3.963	10.836	18.545
8/3/2021 5:57	64335.001	3.963	10.837	18.546
8/3/2021 5:58	64350.001	3.964	10.828	18.543
8/3/2021 5:58	64365.001	3.963	10.831	18.545
8/3/2021 5:58	64380.001	3.963	10.82	18.545
8/3/2021 5:58	64395.001	3.963	10.815	18.545
8/3/2021 5:59	64410.001	3.967	10.853	18.536
8/3/2021 5:59	64425.001	3.966	10.829	18.539
8/3/2021 5:59	64440.001	3.964	10.842	18.542
8/3/2021 5:59	64455.001	3.963	10.839	18.544
8/3/2021 6:00	64470.001	3.964	10.841	18.543
8/3/2021 6:00	64485.001	3.964	10.827	18.542
8/3/2021 6:00	64500.001	3.963	10.862	18.544
8/3/2021 6:00	64515.001	3.964	10.832	18.543
8/3/2021 6:01	64530.001	3.964	10.845	18.543
8/3/2021 6:01	64545.001	3.963	10.826	18.544
8/3/2021 6:01	64560.001	3.962	10.82	18.548
8/3/2021 6:01	64575.001	3.962	10.834	18.548
8/3/2021 6:02	64590.001	3.963	10.816	18.545
8/3/2021 6:02	64605.001	3.962	10.817	18.546
8/3/2021 6:02	64620.001	3.964	10.833	18.543
8/3/2021 6:02	64635.001	3.962	10.833	18.547
8/3/2021 6:03	64650.001	3.965	10.823	18.541
8/3/2021 6:03	64665.001	3.964	10.845	18.543
8/3/2021 6:03	64680.001	3.963	10.831	18.544
8/3/2021 6:03	64695.001	3.965	10.819	18.541
8/3/2021 6:04	64710.001	3.964	10.847	18.542
8/3/2021 6:04	64725.001	3.962	10.837	18.546
8/3/2021 6:04	64740.001	3.964	10.863	18.543
8/3/2021 6:04	64755.001	3.962	10.824	18.547
8/3/2021 6:05	64770.001	3.962	10.829	18.547
8/3/2021 6:05	64785.001	3.963	10.834	18.545
8/3/2021 6:05	64800.001	3.964	10.832	18.543
8/3/2021 6:05	64815.001	3.963	10.829	18.544
8/3/2021 6:06	64830.001	3.962	10.834	18.546
8/3/2021 6:06	64845.001	3.963	10.831	18.544
8/3/2021 6:06	64860.001	3.965	10.859	18.54
8/3/2021 6:06	64875.001	3.964	10.846	18.542
8/3/2021 6:07	64890.001	3.962	10.826	18.548
8/3/2021 6:07	64905.001	3.964	10.833	18.543
8/3/2021 6:07	64920.001	3.964	10.833	18.543
8/3/2021 6:07	64935.001	3.964	10.841	18.543
8/3/2021 6:08	64950.001	3.964	10.842	18.542

8/3/2021 6:08	64965.001	3.962	10.833	18.548
8/3/2021 6:08	64980.001	3.963	10.817	18.544
8/3/2021 6:08	64995.001	3.962	10.836	18.548
8/3/2021 6:09	65010.001	3.961	10.85	18.55
8/3/2021 6:09	65025.001	3.964	10.827	18.544
8/3/2021 6:09	65040.001	3.962	10.809	18.548
8/3/2021 6:09	65055.001	3.963	10.813	18.546
8/3/2021 6:10	65070.001	3.964	10.83	18.542
8/3/2021 6:10	65085.001	3.961	10.83	18.549
8/3/2021 6:10	65100.001	3.963	10.839	18.546
8/3/2021 6:10	65115.001	3.964	10.826	18.542
8/3/2021 6:11	65130.001	3.961	10.848	18.55
8/3/2021 6:11	65145.001	3.963	10.817	18.545
8/3/2021 6:11	65160.001	3.961	10.841	18.548
8/3/2021 6:11	65175.001	3.963	10.854	18.546
8/3/2021 6:12	65190.001	3.961	10.854	18.549
8/3/2021 6:12	65205.001	3.964	10.815	18.542
8/3/2021 6:12	65220.001	3.96	10.818	18.551
8/3/2021 6:12	65235.001	3.963	10.835	18.545
8/3/2021 6:13	65250.001	3.963	10.856	18.545
8/3/2021 6:13	65265.001	3.964	10.824	18.542
8/3/2021 6:13	65280.001	3.963	10.818	18.544
8/3/2021 6:13	65295.001	3.964	10.813	18.543
8/3/2021 6:14	65310.001	3.964	10.845	18.543
8/3/2021 6:14	65325.001	3.963	10.831	18.545
8/3/2021 6:14	65340.001	3.963	10.817	18.546
8/3/2021 6:14	65355.001	3.961	10.857	18.55
8/3/2021 6:15	65370.001	3.962	10.808	18.547
8/3/2021 6:15	65385.001	3.964	10.822	18.543
8/3/2021 6:15	65400.001	3.963	10.819	18.545
8/3/2021 6:15	65415.001	3.964	10.851	18.543
8/3/2021 6:16	65430.001	3.962	10.8	18.546
8/3/2021 6:16	65445.001	3.965	10.854	18.54
8/3/2021 6:16	65460.001	3.963	10.806	18.545
8/3/2021 6:16	65475.001	3.962	10.819	18.547
8/3/2021 6:17	65490.001	3.963	10.812	18.544
8/3/2021 6:17	65505.001	3.963	10.827	18.544
8/3/2021 6:17	65520.001	3.963	10.813	18.545
8/3/2021 6:17	65535.001	3.963	10.822	18.545
8/3/2021 6:18	65550.001	3.964	10.818	18.543
8/3/2021 6:18	65565.001	3.961	10.842	18.548
8/3/2021 6:18	65580.001	3.962	10.831	18.548
8/3/2021 6:18	65595.001	3.964	10.813	18.543
8/3/2021 6:19	65610.001	3.963	10.811	18.544
8/3/2021 6:19	65625.001	3.962	10.828	18.547
8/3/2021 6:19	65640.001	3.962	10.854	18.547
8/3/2021 6:19	65655.001	3.961	10.812	18.55
8/3/2021 6:20	65670.001	3.962	10.834	18.548
8/3/2021 6:20	65685.001	3.964	10.845	18.543
8/3/2021 6:20	65700.001	3.962	10.841	18.548
8/3/2021 6:20	65715.001	3.963	10.833	18.545
8/3/2021 6:21	65730.001	3.962	10.851	18.547
8/3/2021 6:21	65745.001	3.961	10.852	18.549
8/3/2021 6:21	65760.001	3.963	10.837	18.544
8/3/2021 6:21	65775.001	3.961	10.865	18.55
8/3/2021 6:22	65790.001	3.965	10.831	18.541
8/3/2021 6:22	65805.001	3.965	10.821	18.541
8/3/2021 6:22	65820.001	3.962	10.83	18.548

8/3/2021 6:22	65835.001	3.963	10.845	18.545
8/3/2021 6:23	65850.001	3.964	10.837	18.543
8/3/2021 6:23	65865.001	3.964	10.823	18.543
8/3/2021 6:23	65880.001	3.964	10.832	18.542
8/3/2021 6:23	65895.001	3.964	10.831	18.543
8/3/2021 6:24	65910.001	3.963	10.834	18.546
8/3/2021 6:24	65925.001	3.963	10.814	18.544
8/3/2021 6:24	65940.001	3.963	10.82	18.544
8/3/2021 6:24	65955.001	3.964	10.825	18.544
8/3/2021 6:25	65970.001	3.962	10.826	18.546
8/3/2021 6:25	65985.001	3.963	10.811	18.545
8/3/2021 6:25	66000.001	3.961	10.843	18.55
8/3/2021 6:25	66015.001	3.962	10.825	18.547
8/3/2021 6:26	66030.001	3.963	10.834	18.546
8/3/2021 6:26	66045.001	3.962	10.815	18.546
8/3/2021 6:26	66060.001	3.965	10.85	18.541
8/3/2021 6:26	66075.001	3.963	10.859	18.544
8/3/2021 6:27	66090.001	3.963	10.851	18.545
8/3/2021 6:27	66105.001	3.962	10.821	18.547
8/3/2021 6:27	66120.001	3.963	10.826	18.545
8/3/2021 6:27	66135.001	3.961	10.837	18.55
8/3/2021 6:28	66150.001	3.963	10.812	18.545
8/3/2021 6:28	66165.001	3.962	10.813	18.546
8/3/2021 6:28	66180.001	3.961	10.825	18.551
8/3/2021 6:28	66195.001	3.964	10.822	18.542
8/3/2021 6:29	66210.001	3.963	10.846	18.544
8/3/2021 6:29	66225.001	3.963	10.817	18.546
8/3/2021 6:29	66240.001	3.962	10.851	18.547
8/3/2021 6:29	66255.001	3.96	10.825	18.552
8/3/2021 6:30	66270.001	3.962	10.841	18.547
8/3/2021 6:30	66285.001	3.963	10.804	18.545
8/3/2021 6:30	66300.001	3.965	10.829	18.54
8/3/2021 6:30	66315.001	3.964	10.823	18.543
8/3/2021 6:31	66330.001	3.962	10.818	18.547
8/3/2021 6:31	66345.001	3.964	10.839	18.543
8/3/2021 6:31	66360.001	3.962	10.828	18.546
8/3/2021 6:31	66375.001	3.962	10.823	18.548
8/3/2021 6:32	66390.001	3.962	10.844	18.547
8/3/2021 6:32	66405.001	3.962	10.829	18.547
8/3/2021 6:32	66420.001	3.962	10.823	18.547
8/3/2021 6:32	66435.001	3.963	10.823	18.545
8/3/2021 6:33	66450.001	3.963	10.839	18.545
8/3/2021 6:33	66465.001	3.961	10.828	18.549
8/3/2021 6:33	66480.001	3.962	10.835	18.546
8/3/2021 6:33	66495.001	3.962	10.818	18.548
8/3/2021 6:34	66510.001	3.963	10.83	18.545
8/3/2021 6:34	66525.001	3.962	10.832	18.546
8/3/2021 6:34	66540.001	3.961	10.844	18.548
8/3/2021 6:34	66555.001	3.963	10.832	18.545
8/3/2021 6:35	66570.001	3.964	10.844	18.543
8/3/2021 6:35	66585.001	3.963	10.827	18.544
8/3/2021 6:35	66600.001	3.962	10.81	18.548
8/3/2021 6:35	66615.001	3.965	10.845	18.541
8/3/2021 6:36	66630.001	3.963	10.83	18.545
8/3/2021 6:36	66645.001	3.963	10.813	18.545
8/3/2021 6:36	66660.001	3.963	10.848	18.545
8/3/2021 6:36	66675.001	3.962	10.812	18.548
8/3/2021 6:37	66690.001	3.963	10.806	18.545

8/3/2021 6:37	66705.001	3.962	10.83	18.546
8/3/2021 6:37	66720.001	3.965	10.833	18.541
8/3/2021 6:37	66735.001	3.963	10.854	18.546
8/3/2021 6:38	66750.001	3.964	10.833	18.542
8/3/2021 6:38	66765.001	3.963	10.823	18.545
8/3/2021 6:38	66780.001	3.963	10.829	18.544
8/3/2021 6:38	66795.001	3.963	10.829	18.546
8/3/2021 6:39	66810.001	3.965	10.833	18.54
8/3/2021 6:39	66825.001	3.964	10.823	18.542
8/3/2021 6:39	66840.001	3.961	10.821	18.549
8/3/2021 6:39	66855.001	3.963	10.817	18.545
8/3/2021 6:40	66870.001	3.963	10.817	18.545
8/3/2021 6:40	66885.001	3.964	10.816	18.543
8/3/2021 6:40	66900.001	3.963	10.84	18.544
8/3/2021 6:40	66915.001	3.963	10.823	18.545
8/3/2021 6:41	66930.001	3.963	10.826	18.545
8/3/2021 6:41	66945.001	3.962	10.82	18.548
8/3/2021 6:41	66960.001	3.965	10.841	18.541
8/3/2021 6:41	66975.001	3.963	10.838	18.544
8/3/2021 6:42	66990.001	3.963	10.823	18.546
8/3/2021 6:42	67005.001	3.965	10.842	18.541
8/3/2021 6:42	67020.001	3.965	10.826	18.541
8/3/2021 6:42	67035.001	3.962	10.812	18.547
8/3/2021 6:43	67050.001	3.961	10.817	18.548
8/3/2021 6:43	67065.001	3.962	10.817	18.546
8/3/2021 6:43	67080.001	3.963	10.856	18.545
8/3/2021 6:43	67095.001	3.962	10.84	18.548
8/3/2021 6:44	67110.001	3.962	10.839	18.548
8/3/2021 6:44	67125.001	3.963	10.815	18.545
8/3/2021 6:44	67140.001	3.962	10.848	18.547
8/3/2021 6:44	67155.001	3.964	10.841	18.543
8/3/2021 6:45	67170.001	3.963	10.815	18.545
8/3/2021 6:45	67185.001	3.963	10.836	18.544
8/3/2021 6:45	67200.001	3.963	10.806	18.544
8/3/2021 6:45	67215.001	3.962	10.806	18.548
8/3/2021 6:46	67230.001	3.961	10.827	18.549
8/3/2021 6:46	67245.001	3.964	10.845	18.543
8/3/2021 6:46	67260.001	3.962	10.836	18.547
8/3/2021 6:46	67275.001	3.961	10.825	18.55
8/3/2021 6:47	67290.001	3.963	10.824	18.544
8/3/2021 6:47	67305.001	3.964	10.807	18.543
8/3/2021 6:47	67320.001	3.961	10.824	18.55
8/3/2021 6:47	67335.001	3.963	10.832	18.545
8/3/2021 6:48	67350.001	3.963	10.868	18.544
8/3/2021 6:48	67365.001	3.964	10.85	18.543
8/3/2021 6:48	67380.001	3.963	10.827	18.546
8/3/2021 6:48	67395.001	3.962	10.823	18.547
8/3/2021 6:49	67410.001	3.963	10.814	18.545
8/3/2021 6:49	67425.001	3.961	10.836	18.55
8/3/2021 6:49	67440.001	3.961	10.819	18.55
8/3/2021 6:49	67455.001	3.96	10.838	18.551
8/3/2021 6:50	67470.001	3.963	10.821	18.546
8/3/2021 6:50	67485.001	3.964	10.829	18.543
8/3/2021 6:50	67500.001	3.962	10.836	18.547
8/3/2021 6:50	67515.001	3.964	10.831	18.544
8/3/2021 6:51	67530.001	3.962	10.826	18.546
8/3/2021 6:51	67545.001	3.963	10.816	18.544
8/3/2021 6:51	67560.001	3.96	10.82	18.551

8/3/2021 6:51	67575.001	3.963	10.853	18.544
8/3/2021 6:52	67590.001	3.961	10.835	18.549
8/3/2021 6:52	67605.001	3.962	10.819	18.548
8/3/2021 6:52	67620.001	3.964	10.827	18.542
8/3/2021 6:52	67635.001	3.961	10.821	18.551
8/3/2021 6:53	67650.001	3.964	10.826	18.543
8/3/2021 6:53	67665.001	3.961	10.809	18.548
8/3/2021 6:53	67680.001	3.964	10.804	18.543
8/3/2021 6:53	67695.001	3.964	10.827	18.543
8/3/2021 6:54	67710.001	3.964	10.835	18.542
8/3/2021 6:54	67725.001	3.962	10.853	18.546
8/3/2021 6:54	67740.001	3.961	10.831	18.55
8/3/2021 6:54	67755.001	3.962	10.814	18.547
8/3/2021 6:55	67770.001	3.961	10.812	18.548
8/3/2021 6:55	67785.001	3.96	10.841	18.552
8/3/2021 6:55	67800.001	3.962	10.848	18.546
8/3/2021 6:55	67815.001	3.962	10.828	18.547
8/3/2021 6:56	67830.001	3.961	10.835	18.55
8/3/2021 6:56	67845.001	3.961	10.833	18.55
8/3/2021 6:56	67860.001	3.961	10.849	18.549
8/3/2021 6:56	67875.001	3.964	10.823	18.542
8/3/2021 6:57	67890.001	3.963	10.843	18.545
8/3/2021 6:57	67905.001	3.961	10.811	18.55
8/3/2021 6:57	67920.001	3.963	10.825	18.545
8/3/2021 6:57	67935.001	3.963	10.828	18.544
8/3/2021 6:58	67950.001	3.962	10.824	18.547
8/3/2021 6:58	67965.001	3.961	10.815	18.55
8/3/2021 6:58	67980.001	3.962	10.841	18.548
8/3/2021 6:58	67995.001	3.962	10.833	18.548
8/3/2021 6:59	68010.001	3.962	10.826	18.547
8/3/2021 6:59	68025.001	3.963	10.845	18.545
8/3/2021 6:59	68040.001	3.963	10.815	18.545
8/3/2021 6:59	68055.001	3.963	10.85	18.545
8/3/2021 7:00	68070.001	3.962	10.816	18.546
8/3/2021 7:00	68085.001	3.961	10.842	18.55
8/3/2021 7:00	68100.001	3.964	10.825	18.544
8/3/2021 7:00	68115.001	3.962	10.824	18.548
8/3/2021 7:01	68130.001	3.961	10.833	18.55
8/3/2021 7:01	68145.001	3.962	10.835	18.546
8/3/2021 7:01	68160.001	3.962	10.817	18.546
8/3/2021 7:01	68175.001	3.963	10.816	18.545
8/3/2021 7:02	68190.001	3.961	10.809	18.55
8/3/2021 7:02	68205.001	3.964	10.851	18.543
8/3/2021 7:02	68220.001	3.964	10.826	18.542
8/3/2021 7:02	68235.001	3.962	10.819	18.546
8/3/2021 7:03	68250.001	3.96	10.818	18.551
8/3/2021 7:03	68265.001	3.962	10.833	18.546
8/3/2021 7:03	68280.001	3.962	10.817	18.548
8/3/2021 7:03	68295.001	3.964	10.832	18.543
8/3/2021 7:04	68310.001	3.964	10.809	18.543

Report Date: 8/3/2021 8:09
Report User Name: OBI
Report Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.3.0

Log File Properties
File Name SP_21-1_PUMP 2021-08-03 07.55.13.wsl
Create Date 8/3/2021 7:55

Device Properties
Device Level TROLL 700
Site ROME LF
Device Name
Serial Number 455783

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 455783 Pressure (PSI)	Sensor: Pres(G) 35ft SN#: 455783 Temperature (C)	Sensor: Pres(G) 35ft SN#: 455783 Level Depth To Water (ft)
8/2/2021 11:21	0	5.309	10.336	16.984
8/2/2021 11:22	60.001	5.305	10.308	16.993
8/2/2021 11:23	120.001	5.309	10.309	16.984
8/2/2021 11:24	180.001	5.307	10.279	16.99
8/2/2021 11:25	240.001	5.308	10.333	16.987
8/2/2021 11:26	300.001	5.308	10.298	16.988
8/2/2021 11:27	360.001	5.307	10.29	16.99
8/2/2021 11:28	420.001	5.305	10.295	16.993
8/2/2021 11:29	480.001	5.305	10.309	16.994
8/2/2021 11:30	540.001	5.304	10.29	16.997
8/2/2021 11:31	600.001	5.303	10.287	16.998
8/2/2021 11:32	660.001	5.303	10.302	16.998
8/2/2021 11:33	720.001	5.304	10.293	16.996
8/2/2021 11:34	780.001	5.302	10.312	17.001
8/2/2021 11:35	840.001	5.303	10.303	16.999
8/2/2021 11:36	900.001	5.304	10.265	16.997
8/2/2021 11:37	960.001	5.306	10.304	16.992
8/2/2021 11:38	1020.001	5.304	10.249	16.997
8/2/2021 11:39	1080.001	5.302	10.287	17
8/2/2021 11:40	1140.001	5.302	10.287	17.001
8/2/2021 11:41	1200.001	5.301	10.32	17.002
8/2/2021 11:42	1260.001	5.302	10.294	17
8/2/2021 11:43	1320.001	5.303	10.27	16.998
8/2/2021 11:44	1380.001	5.302	10.274	17.001
8/2/2021 11:45	1440.001	5.303	10.315	16.999
8/2/2021 11:46	1500.001	5.3	10.302	17.004
8/2/2021 11:47	1560.001	5.301	10.289	17.004
8/2/2021 11:48	1620.001	5.301	10.292	17.003
8/2/2021 11:49	1680.001	5.299	10.286	17.008
8/2/2021 11:50	1740.001	5.3	10.257	17.005
8/2/2021 11:51	1800.001	5.299	10.284	17.007
8/2/2021 11:52	1860.001	5.301	10.289	17.004
8/2/2021 11:53	1920.001	5.299	10.277	17.007
8/2/2021 11:54	1980.001	5.301	10.273	17.003

8/2/2021 11:55	2040.001	5.298	10.26	17.01
8/2/2021 11:56	2100.001	5.298	10.266	17.01
8/2/2021 11:57	2160.001	5.3	10.267	17.005
8/2/2021 11:58	2220.001	5.301	10.253	17.003
8/2/2021 11:59	2280.001	5.298	10.293	17.011
8/2/2021 12:00	2340.001	5.298	10.289	17.011
8/2/2021 12:01	2400.001	5.298	10.263	17.01
8/2/2021 12:02	2460.001	5.296	10.283	17.014
8/2/2021 12:03	2520.001	5.299	10.267	17.008
8/2/2021 12:04	2580.001	5.296	10.28	17.015
8/2/2021 12:05	2640.001	5.298	10.279	17.01
8/2/2021 12:06	2700.001	5.296	10.262	17.015
8/2/2021 12:07	2760.001	5.296	10.283	17.015
8/2/2021 12:08	2820.001	5.298	10.273	17.01
8/2/2021 12:09	2880.001	5.292	10.283	17.025
8/2/2021 12:10	2940.001	5.293	10.283	17.021
8/2/2021 12:11	3000.001	5.292	10.268	17.025
8/2/2021 12:12	3060.001	5.297	10.251	17.012
8/2/2021 12:13	3120.001	5.291	10.29	17.027
8/2/2021 12:14	3180.001	5.291	10.261	17.026
8/2/2021 12:15	3240.001	5.294	10.276	17.019
8/2/2021 12:16	3300.001	5.293	10.262	17.023
8/2/2021 12:17	3360.001	5.297	10.269	17.011
8/2/2021 12:18	3420.001	5.294	10.266	17.018
8/2/2021 12:19	3480.001	5.299	10.297	17.008
8/2/2021 12:20	3540.001	5.293	10.241	17.021
8/2/2021 12:21	3600.001	5.292	10.262	17.023
8/2/2021 12:22	3660.001	5.292	10.265	17.025
8/2/2021 12:23	3720.001	5.29	10.274	17.028
8/2/2021 12:24	3780.001	5.291	10.288	17.025
8/2/2021 12:25	3840.001	5.294	10.271	17.02
8/2/2021 12:26	3900.001	5.291	10.252	17.026
8/2/2021 12:27	3960.001	5.292	10.263	17.025
8/2/2021 12:28	4020.001	5.286	10.266	17.038
8/2/2021 12:29	4080.001	5.292	10.271	17.023
8/2/2021 12:30	4140.001	5.293	10.258	17.022
8/2/2021 12:31	4200.001	5.288	10.246	17.032
8/2/2021 12:32	4260.001	5.291	10.275	17.027
8/2/2021 12:33	4320.001	5.288	10.271	17.033
8/2/2021 12:34	4380.001	5.285	10.247	17.041
8/2/2021 12:35	4440.001	5.287	10.241	17.036
8/2/2021 12:36	4500.001	5.285	10.234	17.039
8/2/2021 12:37	4560.001	5.289	10.26	17.031
8/2/2021 12:38	4620.001	5.284	10.254	17.041
8/2/2021 12:39	4680.001	5.29	10.264	17.028
8/2/2021 12:40	4740.001	5.286	10.268	17.037
8/2/2021 12:41	4800.001	5.284	10.25	17.041
8/2/2021 12:42	4860.001	5.279	10.252	17.054
8/2/2021 12:43	4920.001	5.284	10.253	17.043
8/2/2021 12:44	4980.001	5.284	10.249	17.042
8/2/2021 12:45	5040.001	5.279	10.254	17.054
8/2/2021 12:46	5100.001	5.301	10.261	17.004
8/2/2021 12:47	5160.001	5.302	10.252	17

8/2/2021 12:48	5220.001	5.308	10.26	16.987
8/2/2021 12:49	5280.001	5.306	10.268	16.993
8/2/2021 12:50	5340.001	5.304	10.255	16.996
8/2/2021 12:51	5400.001	5.303	10.241	16.997
8/2/2021 12:52	5460.001	5.305	10.253	16.995
8/2/2021 12:53	5520.001	5.304	10.246	16.997
8/2/2021 12:54	5580.001	5.303	10.254	16.998
8/2/2021 12:55	5640.001	5.302	10.238	17
8/2/2021 12:56	5700.001	5.302	10.243	17
8/2/2021 12:57	5760.001	5.303	10.273	16.999
8/2/2021 12:58	5820.001	5.302	10.247	17.002
8/2/2021 12:59	5880.001	5.301	10.263	17.003
8/2/2021 13:00	5940.001	5.302	10.262	17
8/2/2021 13:01	6000.001	5.3	10.24	17.005
8/2/2021 13:02	6060.001	5.301	10.266	17.004
8/2/2021 13:03	6120.001	5.299	10.237	17.007
8/2/2021 13:04	6180.001	5.301	10.248	17.003
8/2/2021 13:05	6240.001	5.304	10.267	16.996
8/2/2021 13:06	6300.001	5.301	10.274	17.003
8/2/2021 13:07	6360.001	5.3	10.26	17.006
8/2/2021 13:08	6420.001	5.299	10.251	17.009
8/2/2021 13:09	6480.001	5.301	10.268	17.002
8/2/2021 13:10	6540.001	5.302	10.271	17
8/2/2021 13:11	6600.001	5.301	10.242	17.004
8/2/2021 13:12	6660.001	5.3	10.232	17.006
8/2/2021 13:13	6720.001	5.303	10.243	16.998
8/2/2021 13:14	6780.001	5.3	10.276	17.006
8/2/2021 13:15	6840.001	5.299	10.254	17.008
8/2/2021 13:16	6900.001	5.302	10.256	17.002
8/2/2021 13:17	6960.001	5.297	10.261	17.012
8/2/2021 13:18	7020.001	5.299	10.246	17.007
8/2/2021 13:19	7080.001	5.297	10.263	17.013
8/2/2021 13:20	7140.001	5.295	10.26	17.018
8/2/2021 13:21	7200.001	5.299	10.224	17.008
8/2/2021 13:22	7260.001	5.295	10.256	17.017
8/2/2021 13:23	7320.001	5.298	10.276	17.011
8/2/2021 13:24	7380.001	5.297	10.235	17.012
8/2/2021 13:25	7440.001	5.295	10.238	17.017
8/2/2021 13:26	7500.001	5.297	10.261	17.013
8/2/2021 13:27	7560.001	5.298	10.24	17.009
8/2/2021 13:28	7620.001	5.297	10.238	17.011
8/2/2021 13:29	7680.001	5.299	10.243	17.008
8/2/2021 13:30	7740.001	5.293	10.252	17.021
8/2/2021 13:31	7800.001	5.295	10.25	17.016
8/2/2021 13:32	7860.001	5.293	10.26	17.021
8/2/2021 13:33	7920.001	5.292	10.244	17.025
8/2/2021 13:34	7980.001	5.291	10.274	17.026
8/2/2021 13:35	8040.001	5.291	10.252	17.027
8/2/2021 13:36	8100.001	5.293	10.279	17.021
8/2/2021 13:37	8160.001	5.294	10.262	17.018
8/2/2021 13:38	8220.001	5.294	10.262	17.019
8/2/2021 13:39	8280.001	5.294	10.274	17.018
8/2/2021 13:40	8340.001	5.293	10.244	17.021

8/2/2021 13:41	8400.001	5.292	10.267	17.025
8/2/2021 13:42	8460.001	5.295	10.264	17.018
8/2/2021 13:43	8520.001	5.294	10.249	17.019
8/2/2021 13:44	8580.001	5.293	10.248	17.021
8/2/2021 13:45	8640.001	5.295	10.269	17.018
8/2/2021 13:46	8700.001	5.289	10.224	17.03
8/2/2021 13:47	8760.001	5.29	10.264	17.029
8/2/2021 13:48	8820.001	5.291	10.233	17.026
8/2/2021 13:49	8880.001	5.291	10.263	17.025
8/2/2021 13:50	8940.001	5.294	10.262	17.02
8/2/2021 13:51	9000.001	5.293	10.251	17.022
8/2/2021 13:52	9060.001	5.291	10.227	17.025
8/2/2021 13:53	9120.001	5.29	10.26	17.029
8/2/2021 13:54	9180.001	5.299	10.259	17.008
8/2/2021 13:55	9240.001	5.296	10.235	17.014
8/2/2021 13:56	9300.001	5.292	10.248	17.023
8/2/2021 13:57	9360.001	5.298	10.255	17.01
8/2/2021 13:58	9420.001	5.293	10.277	17.021
8/2/2021 13:59	9480.001	5.29	10.232	17.029
8/2/2021 14:00	9540.001	5.292	10.236	17.025
8/2/2021 14:01	9600.001	5.296	10.243	17.016
8/2/2021 14:02	9660.001	5.293	10.226	17.023
8/2/2021 14:03	9720.001	5.295	10.26	17.018
8/2/2021 14:04	9780.001	5.296	10.243	17.014
8/2/2021 14:05	9840.001	5.297	10.268	17.012
8/2/2021 14:06	9900.001	5.299	10.25	17.009
8/2/2021 14:07	9960.001	5.296	10.265	17.014
8/2/2021 14:08	10020.001	5.298	10.244	17.011
8/2/2021 14:09	10080.001	5.297	10.243	17.012
8/2/2021 14:10	10140.001	5.298	10.276	17.01
8/2/2021 14:11	10200.001	5.296	10.262	17.015
8/2/2021 14:12	10260.001	5.294	10.244	17.019
8/2/2021 14:13	10320.001	5.297	10.254	17.013
8/2/2021 14:14	10380.001	5.296	10.269	17.014
8/2/2021 14:15	10440.001	5.296	10.241	17.016
8/2/2021 14:16	10500.001	5.292	10.255	17.023
8/2/2021 14:17	10560.001	5.299	10.271	17.008
8/2/2021 14:18	10620.001	5.293	10.264	17.021
8/2/2021 14:19	10680.001	5.293	10.273	17.022
8/2/2021 14:20	10740.001	5.292	10.261	17.024
8/2/2021 14:21	10800.001	5.291	10.25	17.026
8/2/2021 14:22	10860.001	5.289	10.271	17.031
8/2/2021 14:23	10920.001	5.29	10.257	17.028
8/2/2021 14:24	10980.001	5.289	10.282	17.03
8/2/2021 14:25	11040.001	5.288	10.257	17.034
8/2/2021 14:26	11100.001	5.289	10.239	17.03
8/2/2021 14:27	11160.001	5.289	10.248	17.031
8/2/2021 14:28	11220.001	5.289	10.238	17.032
8/2/2021 14:29	11280.001	5.291	10.243	17.025
8/2/2021 14:30	11340.001	5.291	10.244	17.027
8/2/2021 14:31	11400.001	5.287	10.261	17.034
8/2/2021 14:32	11460.001	5.292	10.262	17.023
8/2/2021 14:33	11520.001	5.293	10.268	17.021

8/2/2021 14:34	11580.001	5.289	10.23	17.031
8/2/2021 14:35	11640.001	5.291	10.244	17.026
8/2/2021 14:36	11700.001	5.287	10.259	17.035
8/2/2021 14:37	11760.001	5.292	10.241	17.025
8/2/2021 14:38	11820.001	5.292	10.255	17.025
8/2/2021 14:39	11880.001	5.29	10.266	17.029
8/2/2021 14:40	11940.001	5.292	10.216	17.025
8/2/2021 14:41	12000.001	5.29	10.244	17.027
8/2/2021 14:42	12060.001	5.292	10.236	17.025
8/2/2021 14:43	12120.001	5.293	10.239	17.022
8/2/2021 14:44	12180.001	5.288	10.259	17.032
8/2/2021 14:45	12240.001	5.29	10.257	17.029
8/2/2021 14:46	12300.001	5.292	10.249	17.024
8/2/2021 14:47	12360.001	5.293	10.223	17.023
8/2/2021 14:48	12420.001	5.291	10.23	17.025
8/2/2021 14:49	12480.001	5.291	10.248	17.026
8/2/2021 14:50	12540.001	5.291	10.246	17.027
8/2/2021 14:51	12600.001	5.293	10.267	17.022
8/2/2021 14:52	12660.001	5.294	10.264	17.019
8/2/2021 14:53	12720.001	5.298	10.237	17.009
8/2/2021 14:54	12780.001	5.304	10.235	16.995
8/2/2021 14:55	12840.001	5.308	10.271	16.986
8/2/2021 14:56	12900.001	5.309	10.268	16.985
8/2/2021 14:57	12960.001	5.307	10.23	16.989
8/2/2021 14:58	13020.001	5.309	10.247	16.985
8/2/2021 14:59	13080.001	5.31	10.237	16.982
8/2/2021 15:00	13140.001	5.312	10.242	16.978
8/2/2021 15:01	13200.001	5.314	10.261	16.974
8/2/2021 15:02	13260.001	5.313	10.248	16.976
8/2/2021 15:03	13320.001	5.309	10.26	16.985
8/2/2021 15:04	13380.001	5.31	10.246	16.982
8/2/2021 15:05	13440.001	5.311	10.254	16.979
8/2/2021 15:06	13500.001	5.313	10.238	16.975
8/2/2021 15:07	13560.001	5.312	10.215	16.977
8/2/2021 15:08	13620.001	5.312	10.247	16.978
8/2/2021 15:09	13680.001	5.312	10.252	16.978
8/2/2021 15:10	13740.001	5.311	10.258	16.979
8/2/2021 15:11	13800.001	5.313	10.209	16.975
8/2/2021 15:12	13860.001	5.311	10.26	16.98
8/2/2021 15:13	13920.001	5.31	10.259	16.982
8/2/2021 15:14	13980.001	5.313	10.246	16.976
8/2/2021 15:15	14040.001	5.314	10.248	16.974
8/2/2021 15:16	14100.001	5.313	10.239	16.976
8/2/2021 15:17	14160.001	5.313	10.241	16.975
8/2/2021 15:18	14220.001	5.314	10.232	16.973
8/2/2021 15:19	14280.001	5.314	10.277	16.974
8/2/2021 15:20	14340.001	5.316	10.263	16.969
8/2/2021 15:21	14400.001	5.314	10.279	16.974
8/2/2021 15:22	14460.001	5.313	10.246	16.976
8/2/2021 15:23	14520.001	5.314	10.26	16.974
8/2/2021 15:24	14580.001	5.313	10.257	16.976
8/2/2021 15:25	14640.001	5.311	10.257	16.98
8/2/2021 15:26	14700.001	5.313	10.261	16.976

8/2/2021 15:27	14760.001	5.314	10.271	16.973
8/2/2021 15:28	14820.001	5.311	10.235	16.979
8/2/2021 15:29	14880.001	5.315	10.273	16.971
8/2/2021 15:30	14940.001	5.315	10.238	16.97
8/2/2021 15:31	15000.001	5.312	10.258	16.977
8/2/2021 15:32	15060.001	5.315	10.235	16.971
8/2/2021 15:33	15120.001	5.311	10.23	16.98
8/2/2021 15:34	15180.001	5.313	10.249	16.975
8/2/2021 15:35	15240.001	5.315	10.273	16.972
8/2/2021 15:36	15300.001	5.312	10.254	16.978
8/2/2021 15:37	15360.001	5.312	10.254	16.978
8/2/2021 15:38	15420.001	5.312	10.232	16.978
8/2/2021 15:39	15480.001	5.312	10.264	16.978
8/2/2021 15:40	15540.001	5.312	10.245	16.978
8/2/2021 15:41	15600.001	5.315	10.241	16.971
8/2/2021 15:42	15660.001	5.314	10.253	16.973
8/2/2021 15:43	15720.001	5.315	10.277	16.971
8/2/2021 15:44	15780.001	5.311	10.268	16.981
8/2/2021 15:45	15840.001	5.308	10.276	16.987
8/2/2021 15:46	15900.001	5.311	10.246	16.981
8/2/2021 15:47	15960.001	5.31	10.232	16.982
8/2/2021 15:48	16020.001	5.312	10.253	16.978
8/2/2021 15:49	16080.001	5.311	10.253	16.98
8/2/2021 15:50	16140.001	5.312	10.245	16.978
8/2/2021 15:51	16200.001	5.31	10.262	16.983
8/2/2021 15:52	16260.001	5.31	10.257	16.983
8/2/2021 15:53	16320.001	5.308	10.239	16.988
8/2/2021 15:54	16380.001	5.311	10.247	16.981
8/2/2021 15:55	16440.001	5.306	10.255	16.991
8/2/2021 15:56	16500.001	5.311	10.223	16.979
8/2/2021 15:57	16560.001	5.313	10.244	16.976
8/2/2021 15:58	16620.001	5.311	10.243	16.979
8/2/2021 15:59	16680.001	5.308	10.252	16.986
8/2/2021 16:00	16740.001	5.308	10.256	16.988
8/2/2021 16:01	16800.001	5.311	10.241	16.981
8/2/2021 16:02	16860.001	5.306	10.26	16.991
8/2/2021 16:03	16920.001	5.309	10.246	16.985
8/2/2021 16:04	16980.001	5.308	10.249	16.986
8/2/2021 16:05	17040.001	5.308	10.264	16.988
8/2/2021 16:06	17100.001	5.311	10.256	16.981
8/2/2021 16:07	17160.001	5.31	10.252	16.982
8/2/2021 16:08	17220.001	5.31	10.271	16.983
8/2/2021 16:09	17280.001	5.307	10.258	16.989
8/2/2021 16:10	17340.001	5.31	10.234	16.983
8/2/2021 16:11	17400.001	5.307	10.241	16.989
8/2/2021 16:12	17460.001	5.307	10.244	16.989
8/2/2021 16:13	17520.001	5.309	10.23	16.985
8/2/2021 16:14	17580.001	5.31	10.228	16.982
8/2/2021 16:15	17640.001	5.308	10.256	16.986
8/2/2021 16:16	17700.001	5.306	10.241	16.992
8/2/2021 16:17	17760.001	5.308	10.226	16.987
8/2/2021 16:18	17820.001	5.307	10.258	16.99
8/2/2021 16:19	17880.001	5.307	10.238	16.99

8/2/2021 16:20	17940.001	5.306	10.268	16.993
8/2/2021 16:21	18000.001	5.307	10.224	16.99
8/2/2021 16:22	18060.001	5.306	10.258	16.991
8/2/2021 16:23	18120.001	5.307	10.251	16.988
8/2/2021 16:24	18180.001	5.305	10.236	16.993
8/2/2021 16:25	18240.001	5.31	10.242	16.983
8/2/2021 16:26	18300.001	5.306	10.258	16.991
8/2/2021 16:27	18360.001	5.308	10.249	16.987
8/2/2021 16:28	18420.001	5.307	10.249	16.99
8/2/2021 16:29	18480.001	5.309	10.231	16.984
8/2/2021 16:30	18540.001	5.304	10.233	16.995
8/2/2021 16:31	18600.001	5.304	10.239	16.996
8/2/2021 16:32	18660.001	5.307	10.26	16.989
8/2/2021 16:33	18720.001	5.305	10.241	16.993
8/2/2021 16:34	18780.001	5.307	10.246	16.99
8/2/2021 16:35	18840.001	5.303	10.262	16.998
8/2/2021 16:36	18900.001	5.308	10.257	16.987
8/2/2021 16:37	18960.001	5.303	10.244	16.999
8/2/2021 16:38	19020.001	5.305	10.252	16.993
8/2/2021 16:39	19080.001	5.305	10.249	16.994
8/2/2021 16:40	19140.001	5.302	10.264	17
8/2/2021 16:41	19200.001	5.302	10.246	17
8/2/2021 16:42	19260.001	5.306	10.273	16.992
8/2/2021 16:43	19320.001	5.305	10.258	16.994
8/2/2021 16:44	19380.001	5.303	10.233	16.999
8/2/2021 16:45	19440.001	5.301	10.265	17.002
8/2/2021 16:46	19500.001	5.302	10.241	17.001
8/2/2021 16:47	19560.001	5.304	10.231	16.996
8/2/2021 16:48	19620.001	5.302	10.252	17.001
8/2/2021 16:49	19680.001	5.305	10.238	16.995
8/2/2021 16:50	19740.001	5.304	10.263	16.996
8/2/2021 16:51	19800.001	5.305	10.229	16.994
8/2/2021 16:52	19860.001	5.303	10.24	16.999
8/2/2021 16:53	19920.001	5.302	10.208	17.001
8/2/2021 16:54	19980.001	5.301	10.253	17.002
8/2/2021 16:55	20040.001	5.302	10.27	17.001
8/2/2021 16:56	20100.001	5.302	10.266	17.001
8/2/2021 16:57	20160.001	5.301	10.232	17.002
8/2/2021 16:58	20220.001	5.297	10.248	17.012
8/2/2021 16:59	20280.001	5.302	10.23	17.001
8/2/2021 17:00	20340.001	5.299	10.246	17.009
8/2/2021 17:01	20400.001	5.297	10.256	17.012
8/2/2021 17:02	20460.001	5.301	10.241	17.003
8/2/2021 17:03	20520.001	5.303	10.225	16.999
8/2/2021 17:04	20580.001	5.303	10.254	16.999
8/2/2021 17:05	20640.001	5.304	10.241	16.997
8/2/2021 17:06	20700.001	5.304	10.236	16.996
8/2/2021 17:07	20760.001	5.305	10.246	16.995
8/2/2021 17:08	20820.001	5.302	10.234	17.001
8/2/2021 17:09	20880.001	5.305	10.271	16.993
8/2/2021 17:10	20940.001	5.305	10.251	16.993
8/2/2021 17:11	21000.001	5.303	10.23	16.998
8/2/2021 17:12	21060.001	5.303	10.243	16.998

8/2/2021 17:13	21120.001	5.303	10.278	16.999
8/2/2021 17:14	21180.001	5.304	10.248	16.997
8/2/2021 17:15	21240.001	5.304	10.234	16.996
8/2/2021 17:16	21300.001	5.302	10.268	17.002
8/2/2021 17:17	21360.001	5.302	10.292	17.001
8/2/2021 17:18	21420.001	5.305	10.234	16.995
8/2/2021 17:19	21480.001	5.298	10.249	17.01
8/2/2021 17:20	21540.001	5.299	10.274	17.007
8/2/2021 17:21	21600.001	5.301	10.241	17.002
8/2/2021 17:22	21660.001	5.303	10.245	16.998
8/2/2021 17:23	21720.001	5.299	10.241	17.007
8/2/2021 17:24	21780.001	5.302	10.239	17.001
8/2/2021 17:25	21840.001	5.3	10.223	17.005
8/2/2021 17:26	21900.001	5.307	10.267	16.99
8/2/2021 17:27	21960.001	5.311	10.242	16.981
8/2/2021 17:28	22020.001	5.308	10.264	16.986
8/2/2021 17:29	22080.001	5.313	10.246	16.975
8/2/2021 17:30	22140.001	5.308	10.26	16.986
8/2/2021 17:31	22200.001	5.311	10.243	16.979
8/2/2021 17:32	22260.001	5.312	10.251	16.977
8/2/2021 17:33	22320.001	5.313	10.238	16.976
8/2/2021 17:34	22380.001	5.316	10.254	16.969
8/2/2021 17:35	22440.001	5.315	10.222	16.971
8/2/2021 17:36	22500.001	5.319	10.241	16.962
8/2/2021 17:37	22560.001	5.315	10.248	16.971
8/2/2021 17:38	22620.001	5.316	10.248	16.968
8/2/2021 17:39	22680.001	5.318	10.26	16.963
8/2/2021 17:40	22740.001	5.321	10.259	16.957
8/2/2021 17:41	22800.001	5.317	10.25	16.966
8/2/2021 17:42	22860.001	5.317	10.269	16.966
8/2/2021 17:43	22920.001	5.321	10.244	16.958
8/2/2021 17:44	22980.001	5.319	10.25	16.961
8/2/2021 17:45	23040.001	5.32	10.26	16.959
8/2/2021 17:46	23100.001	5.317	10.205	16.966
8/2/2021 17:47	23160.001	5.321	10.23	16.957
8/2/2021 17:48	23220.001	5.32	10.252	16.959
8/2/2021 17:49	23280.001	5.319	10.262	16.961
8/2/2021 17:50	23340.001	5.321	10.257	16.957
8/2/2021 17:51	23400.001	5.322	10.258	16.954
8/2/2021 17:52	23460.001	5.322	10.242	16.955
8/2/2021 17:53	23520.001	5.32	10.265	16.958
8/2/2021 17:54	23580.001	5.32	10.231	16.96
8/2/2021 17:55	23640.001	5.319	10.245	16.961
8/2/2021 17:56	23700.001	5.321	10.242	16.958
8/2/2021 17:57	23760.001	5.324	10.221	16.951
8/2/2021 17:58	23820.001	5.324	10.244	16.951
8/2/2021 17:59	23880.001	5.321	10.258	16.957
8/2/2021 18:00	23940.001	5.323	10.227	16.952
8/2/2021 18:01	24000.001	5.32	10.248	16.959
8/2/2021 18:02	24060.001	5.321	10.261	16.958
8/2/2021 18:03	24120.001	5.323	10.27	16.952
8/2/2021 18:04	24180.001	5.324	10.254	16.949
8/2/2021 18:05	24240.001	5.323	10.26	16.953

8/2/2021 18:06	24300.001	5.324	10.228	16.95
8/2/2021 18:07	24360.001	5.323	10.26	16.951
8/2/2021 18:08	24420.001	5.323	10.245	16.952
8/2/2021 18:09	24480.001	5.326	10.241	16.946
8/2/2021 18:10	24540.001	5.324	10.233	16.95
8/2/2021 18:11	24600.001	5.325	10.248	16.948
8/2/2021 18:12	24660.001	5.323	10.263	16.952
8/2/2021 18:13	24720.001	5.326	10.241	16.945
8/2/2021 18:14	24780.001	5.324	10.28	16.949
8/2/2021 18:15	24840.001	5.326	10.256	16.945
8/2/2021 18:16	24900.001	5.324	10.252	16.95
8/2/2021 18:17	24960.001	5.324	10.235	16.95
8/2/2021 18:18	25020.001	5.325	10.274	16.948
8/2/2021 18:19	25080.001	5.323	10.262	16.952
8/2/2021 18:20	25140.001	5.324	10.249	16.95
8/2/2021 18:21	25200.001	5.324	10.261	16.95
8/2/2021 18:22	25260.001	5.324	10.254	16.951
8/2/2021 18:23	25320.001	5.324	10.234	16.949
8/2/2021 18:24	25380.001	5.327	10.256	16.944
8/2/2021 18:25	25440.001	5.326	10.245	16.946
8/2/2021 18:26	25500.001	5.328	10.263	16.941
8/2/2021 18:27	25560.001	5.323	10.236	16.953
8/2/2021 18:28	25620.001	5.322	10.235	16.955
8/2/2021 18:29	25680.001	5.323	10.244	16.951
8/2/2021 18:30	25740.001	5.324	10.238	16.951
8/2/2021 18:31	25800.001	5.324	10.235	16.951
8/2/2021 18:32	25860.001	5.322	10.258	16.955
8/2/2021 18:33	25920.001	5.324	10.26	16.95
8/2/2021 18:34	25980.001	5.325	10.253	16.949
8/2/2021 18:35	26040.001	5.322	10.268	16.954
8/2/2021 18:36	26100.001	5.322	10.257	16.954
8/2/2021 18:37	26160.001	5.323	10.222	16.953
8/2/2021 18:38	26220.001	5.324	10.25	16.951
8/2/2021 18:39	26280.001	5.326	10.242	16.944
8/2/2021 18:40	26340.001	5.325	10.271	16.948
8/2/2021 18:41	26400.001	5.327	10.26	16.944
8/2/2021 18:42	26460.001	5.323	10.237	16.953
8/2/2021 18:43	26520.001	5.323	10.248	16.952
8/2/2021 18:44	26580.001	5.324	10.258	16.951
8/2/2021 18:45	26640.001	5.321	10.257	16.958
8/2/2021 18:46	26700.001	5.323	10.253	16.953
8/2/2021 18:47	26760.001	5.325	10.229	16.949
8/2/2021 18:48	26820.001	5.325	10.253	16.948
8/2/2021 18:49	26880.001	5.324	10.265	16.95
8/2/2021 18:50	26940.001	5.325	10.249	16.948
8/2/2021 18:51	27000.001	5.323	10.229	16.952
8/2/2021 18:52	27060.001	5.326	10.26	16.945
8/2/2021 18:53	27120.001	5.325	10.273	16.947
8/2/2021 18:54	27180.001	5.322	10.249	16.954
8/2/2021 18:55	27240.001	5.323	10.26	16.952
8/2/2021 18:56	27300.001	5.324	10.239	16.951
8/2/2021 18:57	27360.001	5.324	10.285	16.95
8/2/2021 18:58	27420.001	5.327	10.226	16.944

8/2/2021 18:59	27480.001	5.324	10.241	16.95
8/2/2021 19:00	27540.001	5.322	10.232	16.955
8/2/2021 19:01	27600.001	5.323	10.26	16.952
8/2/2021 19:02	27660.001	5.323	10.254	16.952
8/2/2021 19:03	27720.001	5.325	10.245	16.947
8/2/2021 19:04	27780.001	5.328	10.227	16.941
8/2/2021 19:05	27840.001	5.321	10.243	16.958
8/2/2021 19:06	27900.001	5.323	10.255	16.952
8/2/2021 19:07	27960.001	5.323	10.264	16.952
8/2/2021 19:08	28020.001	5.323	10.243	16.953
8/2/2021 19:09	28080.001	5.322	10.238	16.954
8/2/2021 19:10	28140.001	5.322	10.268	16.954
8/2/2021 19:11	28200.001	5.322	10.26	16.955
8/2/2021 19:12	28260.001	5.323	10.255	16.953
8/2/2021 19:13	28320.001	5.321	10.246	16.956
8/2/2021 19:14	28380.001	5.323	10.244	16.952
8/2/2021 19:15	28440.001	5.322	10.243	16.955
8/2/2021 19:16	28500.001	5.319	10.264	16.96
8/2/2021 19:17	28560.001	5.324	10.257	16.951
8/2/2021 19:18	28620.001	5.325	10.274	16.947
8/2/2021 19:19	28680.001	5.325	10.232	16.947
8/2/2021 19:20	28740.001	5.324	10.26	16.949
8/2/2021 19:21	28800.001	5.32	10.257	16.959
8/2/2021 19:22	28860.001	5.322	10.232	16.954
8/2/2021 19:23	28920.001	5.323	10.249	16.951
8/2/2021 19:24	28980.001	5.321	10.243	16.958
8/2/2021 19:25	29040.001	5.323	10.257	16.952
8/2/2021 19:26	29100.001	5.322	10.249	16.956
8/2/2021 19:27	29160.001	5.321	10.257	16.956
8/2/2021 19:28	29220.001	5.324	10.254	16.951
8/2/2021 19:29	29280.001	5.325	10.243	16.948
8/2/2021 19:30	29340.001	5.322	10.249	16.955
8/2/2021 19:31	29400.001	5.324	10.25	16.949
8/2/2021 19:32	29460.001	5.323	10.247	16.953
8/2/2021 19:33	29520.001	5.324	10.254	16.951
8/2/2021 19:34	29580.001	5.322	10.245	16.954
8/2/2021 19:35	29640.001	5.323	10.241	16.953
8/2/2021 19:36	29700.001	5.324	10.251	16.949
8/2/2021 19:37	29760.001	5.322	10.257	16.955
8/2/2021 19:38	29820.001	5.325	10.263	16.947
8/2/2021 19:39	29880.001	5.323	10.258	16.953
8/2/2021 19:40	29940.001	5.321	10.245	16.956
8/2/2021 19:41	30000.001	5.322	10.258	16.956
8/2/2021 19:42	30060.001	5.323	10.251	16.953
8/2/2021 19:43	30120.001	5.321	10.257	16.957
8/2/2021 19:44	30180.001	5.321	10.271	16.956
8/2/2021 19:45	30240.001	5.323	10.244	16.952
8/2/2021 19:46	30300.001	5.321	10.243	16.957
8/2/2021 19:47	30360.001	5.322	10.234	16.955
8/2/2021 19:48	30420.001	5.322	10.293	16.954
8/2/2021 19:49	30480.001	5.32	10.28	16.959
8/2/2021 19:50	30540.001	5.322	10.232	16.954
8/2/2021 19:51	30600.001	5.32	10.223	16.958

8/2/2021 19:52	30660.001	5.324	10.258	16.949
8/2/2021 19:53	30720.001	5.324	10.26	16.95
8/2/2021 19:54	30780.001	5.324	10.235	16.95
8/2/2021 19:55	30840.001	5.323	10.241	16.952
8/2/2021 19:56	30900.001	5.324	10.238	16.95
8/2/2021 19:57	30960.001	5.324	10.251	16.951
8/2/2021 19:58	31020.001	5.323	10.243	16.953
8/2/2021 19:59	31080.001	5.324	10.251	16.951
8/2/2021 20:00	31140.001	5.322	10.243	16.954
8/2/2021 20:01	31200.001	5.323	10.255	16.952
8/2/2021 20:02	31260.001	5.32	10.256	16.96
8/2/2021 20:03	31320.001	5.326	10.24	16.946
8/2/2021 20:04	31380.001	5.325	10.236	16.948
8/2/2021 20:05	31440.001	5.324	10.246	16.95
8/2/2021 20:06	31500.001	5.321	10.276	16.957
8/2/2021 20:07	31560.001	5.325	10.253	16.949
8/2/2021 20:08	31620.001	5.324	10.234	16.95
8/2/2021 20:09	31680.001	5.324	10.278	16.951
8/2/2021 20:10	31740.001	5.323	10.281	16.953
8/2/2021 20:11	31800.001	5.323	10.236	16.952
8/2/2021 20:12	31860.001	5.322	10.23	16.954
8/2/2021 20:13	31920.001	5.322	10.282	16.954
8/2/2021 20:14	31980.001	5.323	10.254	16.952
8/2/2021 20:15	32040.001	5.324	10.26	16.949
8/2/2021 20:16	32100.001	5.324	10.249	16.95
8/2/2021 20:17	32160.001	5.326	10.257	16.945
8/2/2021 20:18	32220.001	5.326	10.236	16.946
8/2/2021 20:19	32280.001	5.323	10.277	16.952
8/2/2021 20:20	32340.001	5.324	10.252	16.95
8/2/2021 20:21	32400.001	5.323	10.262	16.951
8/2/2021 20:22	32460.001	5.324	10.229	16.95
8/2/2021 20:23	32520.001	5.323	10.265	16.953
8/2/2021 20:24	32580.001	5.325	10.263	16.948
8/2/2021 20:25	32640.001	5.326	10.229	16.945
8/2/2021 20:26	32700.001	5.327	10.263	16.944
8/2/2021 20:27	32760.001	5.321	10.254	16.956
8/2/2021 20:28	32820.001	5.325	10.26	16.948
8/2/2021 20:29	32880.001	5.325	10.265	16.948
8/2/2021 20:30	32940.001	5.323	10.274	16.952
8/2/2021 20:31	33000.001	5.324	10.252	16.951
8/2/2021 20:32	33060.001	5.326	10.257	16.946
8/2/2021 20:33	33120.001	5.324	10.23	16.951
8/2/2021 20:34	33180.001	5.324	10.239	16.95
8/2/2021 20:35	33240.001	5.325	10.279	16.948
8/2/2021 20:36	33300.001	5.327	10.243	16.944
8/2/2021 20:37	33360.001	5.325	10.241	16.949
8/2/2021 20:38	33420.001	5.322	10.273	16.955
8/2/2021 20:39	33480.001	5.323	10.262	16.951
8/2/2021 20:40	33540.001	5.322	10.263	16.955
8/2/2021 20:41	33600.001	5.327	10.267	16.943
8/2/2021 20:42	33660.001	5.323	10.252	16.951
8/2/2021 20:43	33720.001	5.323	10.274	16.951
8/2/2021 20:44	33780.001	5.324	10.273	16.95

8/2/2021 20:45	33840.001	5.323	10.241	16.952
8/2/2021 20:46	33900.001	5.325	10.264	16.948
8/2/2021 20:47	33960.001	5.321	10.238	16.956
8/2/2021 20:48	34020.001	5.323	10.238	16.953
8/2/2021 20:49	34080.001	5.325	10.262	16.947
8/2/2021 20:50	34140.001	5.323	10.274	16.952
8/2/2021 20:51	34200.001	5.323	10.268	16.952
8/2/2021 20:52	34260.001	5.324	10.23	16.951
8/2/2021 20:53	34320.001	5.325	10.24	16.949
8/2/2021 20:54	34380.001	5.324	10.243	16.951
8/2/2021 20:55	34440.001	5.322	10.287	16.955
8/2/2021 20:56	34500.001	5.323	10.247	16.953
8/2/2021 20:57	34560.001	5.325	10.276	16.949
8/2/2021 20:58	34620.001	5.323	10.261	16.953
8/2/2021 20:59	34680.001	5.324	10.272	16.949
8/2/2021 21:00	34740.001	5.321	10.267	16.956
8/2/2021 21:01	34800.001	5.325	10.3	16.947
8/2/2021 21:02	34860.001	5.324	10.25	16.95
8/2/2021 21:03	34920.001	5.325	10.271	16.947
8/2/2021 21:04	34980.001	5.324	10.243	16.95
8/2/2021 21:05	35040.001	5.321	10.271	16.957
8/2/2021 21:06	35100.001	5.322	10.241	16.955
8/2/2021 21:07	35160.001	5.323	10.241	16.953
8/2/2021 21:08	35220.001	5.323	10.25	16.952
8/2/2021 21:09	35280.001	5.323	10.235	16.952
8/2/2021 21:10	35340.001	5.321	10.236	16.956
8/2/2021 21:11	35400.001	5.325	10.232	16.949
8/2/2021 21:12	35460.001	5.325	10.241	16.948
8/2/2021 21:13	35520.001	5.324	10.245	16.951
8/2/2021 21:14	35580.001	5.323	10.238	16.952
8/2/2021 21:15	35640.001	5.324	10.238	16.951
8/2/2021 21:16	35700.001	5.323	10.275	16.953
8/2/2021 21:17	35760.001	5.323	10.266	16.952
8/2/2021 21:18	35820.001	5.323	10.251	16.952
8/2/2021 21:19	35880.001	5.324	10.248	16.951
8/2/2021 21:20	35940.001	5.324	10.257	16.949
8/2/2021 21:21	36000.001	5.324	10.24	16.951
8/2/2021 21:22	36060.001	5.325	10.263	16.948
8/2/2021 21:23	36120.001	5.321	10.27	16.956
8/2/2021 21:24	36180.001	5.323	10.235	16.953
8/2/2021 21:25	36240.001	5.325	10.234	16.949
8/2/2021 21:26	36300.001	5.324	10.251	16.951
8/2/2021 21:27	36360.001	5.324	10.236	16.95
8/2/2021 21:28	36420.001	5.323	10.268	16.953
8/2/2021 21:29	36480.001	5.323	10.239	16.952
8/2/2021 21:30	36540.001	5.324	10.265	16.951
8/2/2021 21:31	36600.001	5.322	10.233	16.955
8/2/2021 21:32	36660.001	5.321	10.26	16.957
8/2/2021 21:33	36720.001	5.324	10.243	16.951
8/2/2021 21:34	36780.001	5.323	10.266	16.951
8/2/2021 21:35	36840.001	5.321	10.274	16.957
8/2/2021 21:36	36900.001	5.323	10.27	16.952
8/2/2021 21:37	36960.001	5.324	10.256	16.949

8/2/2021 21:38	37020.001	5.325	10.225	16.948
8/2/2021 21:39	37080.001	5.321	10.249	16.956
8/2/2021 21:40	37140.001	5.325	10.242	16.949
8/2/2021 21:41	37200.001	5.321	10.243	16.956
8/2/2021 21:42	37260.001	5.323	10.224	16.951
8/2/2021 21:43	37320.001	5.322	10.243	16.954
8/2/2021 21:44	37380.001	5.322	10.243	16.954
8/2/2021 21:45	37440.001	5.325	10.247	16.948
8/2/2021 21:46	37500.001	5.322	10.288	16.955
8/2/2021 21:47	37560.001	5.324	10.241	16.951
8/2/2021 21:48	37620.001	5.322	10.277	16.955
8/2/2021 21:49	37680.001	5.322	10.252	16.955
8/2/2021 21:50	37740.001	5.322	10.248	16.954
8/2/2021 21:51	37800.001	5.325	10.225	16.948
8/2/2021 21:52	37860.001	5.323	10.235	16.952
8/2/2021 21:53	37920.001	5.323	10.267	16.952
8/2/2021 21:54	37980.001	5.323	10.235	16.951
8/2/2021 21:55	38040.001	5.323	10.262	16.953
8/2/2021 21:56	38100.001	5.324	10.252	16.951
8/2/2021 21:57	38160.001	5.322	10.279	16.954
8/2/2021 21:58	38220.001	5.323	10.246	16.952
8/2/2021 21:59	38280.001	5.321	10.246	16.956
8/2/2021 22:00	38340.001	5.322	10.246	16.955
8/2/2021 22:01	38400.001	5.323	10.25	16.953
8/2/2021 22:02	38460.001	5.322	10.232	16.955
8/2/2021 22:03	38520.001	5.321	10.252	16.957
8/2/2021 22:04	38580.001	5.321	10.263	16.958
8/2/2021 22:05	38640.001	5.322	10.24	16.954
8/2/2021 22:06	38700.001	5.321	10.252	16.958
8/2/2021 22:07	38760.001	5.321	10.248	16.957
8/2/2021 22:08	38820.001	5.324	10.254	16.95
8/2/2021 22:09	38880.001	5.322	10.244	16.955
8/2/2021 22:10	38940.001	5.322	10.236	16.956
8/2/2021 22:11	39000.001	5.32	10.244	16.959
8/2/2021 22:12	39060.001	5.325	10.236	16.947
8/2/2021 22:13	39120.001	5.325	10.257	16.948
8/2/2021 22:14	39180.001	5.321	10.248	16.956
8/2/2021 22:15	39240.001	5.321	10.279	16.957
8/2/2021 22:16	39300.001	5.322	10.241	16.954
8/2/2021 22:17	39360.001	5.323	10.247	16.951
8/2/2021 22:18	39420.001	5.319	10.237	16.96
8/2/2021 22:19	39480.001	5.322	10.258	16.955
8/2/2021 22:20	39540.001	5.323	10.279	16.953
8/2/2021 22:21	39600.001	5.321	10.249	16.957
8/2/2021 22:22	39660.001	5.318	10.239	16.964
8/2/2021 22:23	39720.001	5.322	10.278	16.955
8/2/2021 22:24	39780.001	5.319	10.252	16.962
8/2/2021 22:25	39840.001	5.319	10.254	16.962
8/2/2021 22:26	39900.001	5.32	10.241	16.96
8/2/2021 22:27	39960.001	5.319	10.261	16.96
8/2/2021 22:28	40020.001	5.322	10.243	16.956
8/2/2021 22:29	40080.001	5.319	10.262	16.961
8/2/2021 22:30	40140.001	5.321	10.235	16.957

8/2/2021 22:31	40200.001	5.32	10.26	16.96
8/2/2021 22:32	40260.001	5.321	10.268	16.956
8/2/2021 22:33	40320.001	5.318	10.27	16.964
8/2/2021 22:34	40380.001	5.32	10.268	16.96
8/2/2021 22:35	40440.001	5.321	10.265	16.956
8/2/2021 22:36	40500.001	5.321	10.227	16.956
8/2/2021 22:37	40560.001	5.32	10.262	16.959
8/2/2021 22:38	40620.001	5.317	10.233	16.967
8/2/2021 22:39	40680.001	5.321	10.213	16.957
8/2/2021 22:40	40740.001	5.319	10.281	16.961
8/2/2021 22:41	40800.001	5.319	10.261	16.96
8/2/2021 22:42	40860.001	5.318	10.27	16.965
8/2/2021 22:43	40920.001	5.32	10.244	16.96
8/2/2021 22:44	40980.001	5.319	10.241	16.962
8/2/2021 22:45	41040.001	5.319	10.26	16.96
8/2/2021 22:46	41100.001	5.32	10.258	16.959
8/2/2021 22:47	41160.001	5.319	10.271	16.961
8/2/2021 22:48	41220.001	5.318	10.252	16.964
8/2/2021 22:49	41280.001	5.317	10.289	16.965
8/2/2021 22:50	41340.001	5.321	10.263	16.957
8/2/2021 22:51	41400.001	5.318	10.232	16.963
8/2/2021 22:52	41460.001	5.32	10.245	16.958
8/2/2021 22:53	41520.001	5.32	10.229	16.96
8/2/2021 22:54	41580.001	5.316	10.272	16.969
8/2/2021 22:55	41640.001	5.318	10.236	16.963
8/2/2021 22:56	41700.001	5.318	10.261	16.963
8/2/2021 22:57	41760.001	5.318	10.249	16.964
8/2/2021 22:58	41820.001	5.318	10.237	16.963
8/2/2021 22:59	41880.001	5.319	10.252	16.962
8/2/2021 23:00	41940.001	5.318	10.241	16.964
8/2/2021 23:01	42000.001	5.318	10.27	16.963
8/2/2021 23:02	42060.001	5.316	10.28	16.968
8/2/2021 23:03	42120.001	5.318	10.276	16.965
8/2/2021 23:04	42180.001	5.319	10.265	16.962
8/2/2021 23:05	42240.001	5.317	10.246	16.965
8/2/2021 23:06	42300.001	5.319	10.248	16.962
8/2/2021 23:07	42360.001	5.314	10.23	16.972
8/2/2021 23:08	42420.001	5.322	10.249	16.955
8/2/2021 23:09	42480.001	5.319	10.264	16.962
8/2/2021 23:10	42540.001	5.317	10.262	16.967
8/2/2021 23:11	42600.001	5.318	10.269	16.965
8/2/2021 23:12	42660.001	5.318	10.243	16.964
8/2/2021 23:13	42720.001	5.317	10.262	16.965
8/2/2021 23:14	42780.001	5.319	10.27	16.962
8/2/2021 23:15	42840.001	5.317	10.259	16.965
8/2/2021 23:16	42900.001	5.319	10.228	16.96
8/2/2021 23:17	42960.001	5.318	10.24	16.963
8/2/2021 23:18	43020.001	5.321	10.264	16.958
8/2/2021 23:19	43080.001	5.321	10.243	16.957
8/2/2021 23:20	43140.001	5.317	10.235	16.966
8/2/2021 23:21	43200.001	5.32	10.246	16.958
8/2/2021 23:22	43260.001	5.319	10.234	16.961
8/2/2021 23:23	43320.001	5.32	10.274	16.96

8/2/2021 23:24	43380.001	5.323	10.247	16.953
8/2/2021 23:25	43440.001	5.32	10.24	16.959
8/2/2021 23:26	43500.001	5.317	10.273	16.965
8/2/2021 23:27	43560.001	5.321	10.275	16.956
8/2/2021 23:28	43620.001	5.32	10.252	16.96
8/2/2021 23:29	43680.001	5.32	10.232	16.96
8/2/2021 23:30	43740.001	5.319	10.253	16.963
8/2/2021 23:31	43800.001	5.321	10.233	16.957
8/2/2021 23:32	43860.001	5.318	10.232	16.963
8/2/2021 23:33	43920.001	5.321	10.243	16.958
8/2/2021 23:34	43980.001	5.319	10.242	16.961
8/2/2021 23:35	44040.001	5.322	10.255	16.956
8/2/2021 23:36	44100.001	5.319	10.255	16.963
8/2/2021 23:37	44160.001	5.319	10.257	16.962
8/2/2021 23:38	44220.001	5.318	10.256	16.965
8/2/2021 23:39	44280.001	5.316	10.251	16.967
8/2/2021 23:40	44340.001	5.32	10.268	16.959
8/2/2021 23:41	44400.001	5.316	10.252	16.969
8/2/2021 23:42	44460.001	5.317	10.252	16.967
8/2/2021 23:43	44520.001	5.319	10.232	16.961
8/2/2021 23:44	44580.001	5.321	10.23	16.958
8/2/2021 23:45	44640.001	5.318	10.235	16.964
8/2/2021 23:46	44700.001	5.32	10.239	16.959
8/2/2021 23:47	44760.001	5.322	10.23	16.955
8/2/2021 23:48	44820.001	5.321	10.239	16.956
8/2/2021 23:49	44880.001	5.32	10.243	16.959
8/2/2021 23:50	44940.001	5.316	10.238	16.969
8/2/2021 23:51	45000.001	5.318	10.257	16.963
8/2/2021 23:52	45060.001	5.318	10.247	16.964
8/2/2021 23:53	45120.001	5.319	10.259	16.962
8/2/2021 23:54	45180.001	5.318	10.229	16.964
8/2/2021 23:55	45240.001	5.318	10.254	16.964
8/2/2021 23:56	45300.001	5.32	10.243	16.959
8/2/2021 23:57	45360.001	5.319	10.241	16.962
8/2/2021 23:58	45420.001	5.319	10.232	16.961
8/2/2021 23:59	45480.001	5.318	10.218	16.965
8/3/2021 0:00	45540.001	5.319	10.255	16.962
8/3/2021 0:01	45600.001	5.316	10.226	16.968
8/3/2021 0:02	45660.001	5.318	10.245	16.965
8/3/2021 0:03	45720.001	5.318	10.238	16.963
8/3/2021 0:04	45780.001	5.319	10.246	16.961
8/3/2021 0:05	45840.001	5.315	10.272	16.971
8/3/2021 0:06	45900.001	5.32	10.237	16.96
8/3/2021 0:07	45960.001	5.314	10.247	16.974
8/3/2021 0:08	46020.001	5.317	10.25	16.966
8/3/2021 0:09	46080.001	5.321	10.236	16.958
8/3/2021 0:10	46140.001	5.316	10.241	16.969
8/3/2021 0:11	46200.001	5.316	10.253	16.968
8/3/2021 0:12	46260.001	5.315	10.23	16.971
8/3/2021 0:13	46320.001	5.315	10.253	16.971
8/3/2021 0:14	46380.001	5.314	10.247	16.973
8/3/2021 0:15	46440.001	5.314	10.219	16.973
8/3/2021 0:16	46500.001	5.316	10.271	16.969

8/3/2021 0:17	46560.001	5.318	10.257	16.964
8/3/2021 0:18	46620.001	5.314	10.243	16.973
8/3/2021 0:19	46680.001	5.316	10.222	16.969
8/3/2021 0:20	46740.001	5.316	10.257	16.969
8/3/2021 0:21	46800.001	5.316	10.258	16.97
8/3/2021 0:22	46860.001	5.313	10.284	16.975
8/3/2021 0:23	46920.001	5.317	10.234	16.966
8/3/2021 0:24	46980.001	5.313	10.243	16.975
8/3/2021 0:25	47040.001	5.314	10.254	16.973
8/3/2021 0:26	47100.001	5.314	10.223	16.972
8/3/2021 0:27	47160.001	5.315	10.246	16.972
8/3/2021 0:28	47220.001	5.313	10.257	16.976
8/3/2021 0:29	47280.001	5.314	10.257	16.972
8/3/2021 0:30	47340.001	5.316	10.241	16.969
8/3/2021 0:31	47400.001	5.315	10.234	16.972
8/3/2021 0:32	47460.001	5.312	10.252	16.977
8/3/2021 0:33	47520.001	5.316	10.249	16.968
8/3/2021 0:34	47580.001	5.311	10.247	16.98
8/3/2021 0:35	47640.001	5.314	10.239	16.972
8/3/2021 0:36	47700.001	5.315	10.214	16.972
8/3/2021 0:37	47760.001	5.312	10.254	16.977
8/3/2021 0:38	47820.001	5.313	10.248	16.976
8/3/2021 0:39	47880.001	5.315	10.273	16.97
8/3/2021 0:40	47940.001	5.314	10.249	16.973
8/3/2021 0:41	48000.001	5.313	10.243	16.976
8/3/2021 0:42	48060.001	5.313	10.238	16.974
8/3/2021 0:43	48120.001	5.313	10.253	16.975
8/3/2021 0:44	48180.001	5.313	10.241	16.974
8/3/2021 0:45	48240.001	5.313	10.251	16.975
8/3/2021 0:46	48300.001	5.312	10.255	16.978
8/3/2021 0:47	48360.001	5.313	10.227	16.975
8/3/2021 0:48	48420.001	5.313	10.241	16.976
8/3/2021 0:49	48480.001	5.313	10.247	16.976
8/3/2021 0:50	48540.001	5.314	10.216	16.974
8/3/2021 0:51	48600.001	5.313	10.245	16.974
8/3/2021 0:52	48660.001	5.312	10.246	16.977
8/3/2021 0:53	48720.001	5.312	10.216	16.977
8/3/2021 0:54	48780.001	5.31	10.236	16.982
8/3/2021 0:55	48840.001	5.315	10.235	16.972
8/3/2021 0:56	48900.001	5.313	10.246	16.976
8/3/2021 0:57	48960.001	5.314	10.236	16.973
8/3/2021 0:58	49020.001	5.31	10.254	16.982
8/3/2021 0:59	49080.001	5.313	10.26	16.975
8/3/2021 1:00	49140.001	5.313	10.25	16.975
8/3/2021 1:01	49200.001	5.314	10.258	16.974
8/3/2021 1:02	49260.001	5.311	10.223	16.979
8/3/2021 1:03	49320.001	5.314	10.254	16.973
8/3/2021 1:04	49380.001	5.315	10.24	16.97
8/3/2021 1:05	49440.001	5.312	10.264	16.977
8/3/2021 1:06	49500.001	5.314	10.257	16.974
8/3/2021 1:07	49560.001	5.313	10.219	16.974
8/3/2021 1:08	49620.001	5.315	10.224	16.97
8/3/2021 1:09	49680.001	5.313	10.221	16.976

8/3/2021 1:10	49740.001	5.313	10.235	16.975
8/3/2021 1:11	49800.001	5.315	10.251	16.972
8/3/2021 1:12	49860.001	5.313	10.237	16.975
8/3/2021 1:13	49920.001	5.313	10.229	16.976
8/3/2021 1:14	49980.001	5.315	10.234	16.971
8/3/2021 1:15	50040.001	5.313	10.246	16.977
8/3/2021 1:16	50100.001	5.312	10.252	16.978
8/3/2021 1:17	50160.001	5.312	10.231	16.977
8/3/2021 1:18	50220.001	5.315	10.243	16.972
8/3/2021 1:19	50280.001	5.316	10.244	16.968
8/3/2021 1:20	50340.001	5.311	10.227	16.98
8/3/2021 1:21	50400.001	5.313	10.202	16.974
8/3/2021 1:22	50460.001	5.315	10.241	16.972
8/3/2021 1:23	50520.001	5.313	10.235	16.976
8/3/2021 1:24	50580.001	5.315	10.212	16.971
8/3/2021 1:25	50640.001	5.314	10.226	16.973
8/3/2021 1:26	50700.001	5.312	10.262	16.978
8/3/2021 1:27	50760.001	5.314	10.251	16.973
8/3/2021 1:28	50820.001	5.315	10.22	16.971
8/3/2021 1:29	50880.001	5.313	10.247	16.975
8/3/2021 1:30	50940.001	5.315	10.238	16.97
8/3/2021 1:31	51000.001	5.314	10.219	16.974
8/3/2021 1:32	51060.001	5.316	10.244	16.968
8/3/2021 1:33	51120.001	5.316	10.221	16.97
8/3/2021 1:34	51180.001	5.313	10.201	16.976
8/3/2021 1:35	51240.001	5.316	10.211	16.968
8/3/2021 1:36	51300.001	5.315	10.222	16.97
8/3/2021 1:37	51360.001	5.313	10.239	16.976
8/3/2021 1:38	51420.001	5.313	10.241	16.974
8/3/2021 1:39	51480.001	5.316	10.258	16.969
8/3/2021 1:40	51540.001	5.315	10.227	16.971
8/3/2021 1:41	51600.001	5.315	10.228	16.971
8/3/2021 1:42	51660.001	5.314	10.238	16.973
8/3/2021 1:43	51720.001	5.314	10.254	16.972
8/3/2021 1:44	51780.001	5.317	10.23	16.967
8/3/2021 1:45	51840.001	5.317	10.252	16.967
8/3/2021 1:46	51900.001	5.313	10.226	16.975
8/3/2021 1:47	51960.001	5.313	10.23	16.975
8/3/2021 1:48	52020.001	5.315	10.262	16.972
8/3/2021 1:49	52080.001	5.315	10.243	16.971
8/3/2021 1:50	52140.001	5.315	10.251	16.972
8/3/2021 1:51	52200.001	5.317	10.228	16.966
8/3/2021 1:52	52260.001	5.315	10.235	16.97
8/3/2021 1:53	52320.001	5.318	10.224	16.965
8/3/2021 1:54	52380.001	5.318	10.235	16.964
8/3/2021 1:55	52440.001	5.316	10.241	16.967
8/3/2021 1:56	52500.001	5.315	10.209	16.97
8/3/2021 1:57	52560.001	5.318	10.246	16.963
8/3/2021 1:58	52620.001	5.318	10.257	16.963
8/3/2021 1:59	52680.001	5.318	10.242	16.965
8/3/2021 2:00	52740.001	5.316	10.219	16.969
8/3/2021 2:01	52800.001	5.315	10.248	16.97
8/3/2021 2:02	52860.001	5.316	10.248	16.967

8/3/2021 2:03	52920.001	5.318	10.249	16.965
8/3/2021 2:04	52980.001	5.319	10.243	16.961
8/3/2021 2:05	53040.001	5.317	10.243	16.967
8/3/2021 2:06	53100.001	5.317	10.245	16.965
8/3/2021 2:07	53160.001	5.319	10.224	16.961
8/3/2021 2:08	53220.001	5.317	10.223	16.966
8/3/2021 2:09	53280.001	5.319	10.239	16.962
8/3/2021 2:10	53340.001	5.319	10.259	16.962
8/3/2021 2:11	53400.001	5.318	10.224	16.963
8/3/2021 2:12	53460.001	5.319	10.23	16.962
8/3/2021 2:13	53520.001	5.321	10.216	16.956
8/3/2021 2:14	53580.001	5.321	10.241	16.958
8/3/2021 2:15	53640.001	5.319	10.232	16.961
8/3/2021 2:16	53700.001	5.317	10.241	16.967
8/3/2021 2:17	53760.001	5.32	10.235	16.96
8/3/2021 2:18	53820.001	5.32	10.221	16.96
8/3/2021 2:19	53880.001	5.319	10.238	16.96
8/3/2021 2:20	53940.001	5.317	10.246	16.967
8/3/2021 2:21	54000.001	5.319	10.252	16.962
8/3/2021 2:22	54060.001	5.321	10.2	16.957
8/3/2021 2:23	54120.001	5.317	10.255	16.965
8/3/2021 2:24	54180.001	5.321	10.233	16.957
8/3/2021 2:25	54240.001	5.32	10.232	16.96
8/3/2021 2:26	54300.001	5.317	10.23	16.967
8/3/2021 2:27	54360.001	5.322	10.216	16.954
8/3/2021 2:28	54420.001	5.319	10.213	16.963
8/3/2021 2:29	54480.001	5.32	10.238	16.96
8/3/2021 2:30	54540.001	5.324	10.219	16.951
8/3/2021 2:31	54600.001	5.321	10.231	16.958
8/3/2021 2:32	54660.001	5.319	10.244	16.961
8/3/2021 2:33	54720.001	5.322	10.231	16.954
8/3/2021 2:34	54780.001	5.321	10.257	16.957
8/3/2021 2:35	54840.001	5.322	10.232	16.955
8/3/2021 2:36	54900.001	5.321	10.252	16.957
8/3/2021 2:37	54960.001	5.323	10.248	16.953
8/3/2021 2:38	55020.001	5.321	10.241	16.957
8/3/2021 2:39	55080.001	5.322	10.226	16.955
8/3/2021 2:40	55140.001	5.32	10.231	16.96
8/3/2021 2:41	55200.001	5.324	10.249	16.95
8/3/2021 2:42	55260.001	5.323	10.243	16.951
8/3/2021 2:43	55320.001	5.323	10.211	16.953
8/3/2021 2:44	55380.001	5.322	10.224	16.955
8/3/2021 2:45	55440.001	5.325	10.257	16.948
8/3/2021 2:46	55500.001	5.323	10.235	16.953
8/3/2021 2:47	55560.001	5.325	10.232	16.948
8/3/2021 2:48	55620.001	5.325	10.25	16.947
8/3/2021 2:49	55680.001	5.323	10.238	16.952
8/3/2021 2:50	55740.001	5.323	10.202	16.951
8/3/2021 2:51	55800.001	5.324	10.231	16.951
8/3/2021 2:52	55860.001	5.324	10.238	16.949
8/3/2021 2:53	55920.001	5.325	10.232	16.949
8/3/2021 2:54	55980.001	5.325	10.252	16.947
8/3/2021 2:55	56040.001	5.327	10.212	16.944

8/3/2021 2:56	56100.001	5.329	10.252	16.939
8/3/2021 2:57	56160.001	5.326	10.235	16.946
8/3/2021 2:58	56220.001	5.326	10.243	16.946
8/3/2021 2:59	56280.001	5.327	10.269	16.943
8/3/2021 3:00	56340.001	5.327	10.239	16.944
8/3/2021 3:01	56400.001	5.322	10.236	16.955
8/3/2021 3:02	56460.001	5.325	10.262	16.947
8/3/2021 3:03	56520.001	5.325	10.245	16.949
8/3/2021 3:04	56580.001	5.326	10.22	16.945
8/3/2021 3:05	56640.001	5.324	10.254	16.95
8/3/2021 3:06	56700.001	5.328	10.211	16.941
8/3/2021 3:07	56760.001	5.326	10.257	16.944
8/3/2021 3:08	56820.001	5.327	10.246	16.944
8/3/2021 3:09	56880.001	5.325	10.252	16.947
8/3/2021 3:10	56940.001	5.324	10.223	16.949
8/3/2021 3:11	57000.001	5.327	10.235	16.944
8/3/2021 3:12	57060.001	5.325	10.245	16.947
8/3/2021 3:13	57120.001	5.326	10.256	16.945
8/3/2021 3:14	57180.001	5.327	10.26	16.944
8/3/2021 3:15	57240.001	5.327	10.26	16.943
8/3/2021 3:16	57300.001	5.324	10.234	16.949
8/3/2021 3:17	57360.001	5.325	10.212	16.948
8/3/2021 3:18	57420.001	5.327	10.258	16.943
8/3/2021 3:19	57480.001	5.326	10.221	16.944
8/3/2021 3:20	57540.001	5.326	10.241	16.945
8/3/2021 3:21	57600.001	5.324	10.25	16.951
8/3/2021 3:22	57660.001	5.326	10.212	16.945
8/3/2021 3:23	57720.001	5.327	10.251	16.943
8/3/2021 3:24	57780.001	5.326	10.246	16.945
8/3/2021 3:25	57840.001	5.327	10.255	16.944
8/3/2021 3:26	57900.001	5.326	10.257	16.946
8/3/2021 3:27	57960.001	5.326	10.238	16.946
8/3/2021 3:28	58020.001	5.324	10.242	16.95
8/3/2021 3:29	58080.001	5.327	10.244	16.944
8/3/2021 3:30	58140.001	5.326	10.268	16.945
8/3/2021 3:31	58200.001	5.329	10.213	16.94
8/3/2021 3:32	58260.001	5.328	10.238	16.942
8/3/2021 3:33	58320.001	5.327	10.26	16.942
8/3/2021 3:34	58380.001	5.328	10.258	16.942
8/3/2021 3:35	58440.001	5.329	10.246	16.939
8/3/2021 3:36	58500.001	5.325	10.254	16.948
8/3/2021 3:37	58560.001	5.331	10.25	16.934
8/3/2021 3:38	58620.001	5.329	10.225	16.938
8/3/2021 3:39	58680.001	5.33	10.245	16.937
8/3/2021 3:40	58740.001	5.327	10.246	16.944
8/3/2021 3:41	58800.001	5.325	10.242	16.948
8/3/2021 3:42	58860.001	5.33	10.26	16.937
8/3/2021 3:43	58920.001	5.328	10.222	16.942
8/3/2021 3:44	58980.001	5.327	10.258	16.943
8/3/2021 3:45	59040.001	5.327	10.251	16.944
8/3/2021 3:46	59100.001	5.327	10.267	16.944
8/3/2021 3:47	59160.001	5.327	10.254	16.944
8/3/2021 3:48	59220.001	5.327	10.267	16.942

8/3/2021 3:49	59280.001	5.325	10.258	16.947
8/3/2021 3:50	59340.001	5.326	10.26	16.945
8/3/2021 3:51	59400.001	5.327	10.249	16.943
8/3/2021 3:52	59460.001	5.327	10.234	16.944
8/3/2021 3:53	59520.001	5.326	10.264	16.946
8/3/2021 3:54	59580.001	5.33	10.26	16.937
8/3/2021 3:55	59640.001	5.325	10.248	16.948
8/3/2021 3:56	59700.001	5.326	10.249	16.945
8/3/2021 3:57	59760.001	5.327	10.252	16.944
8/3/2021 3:58	59820.001	5.326	10.246	16.945
8/3/2021 3:59	59880.001	5.325	10.226	16.947
8/3/2021 4:00	59940.001	5.326	10.259	16.944
8/3/2021 4:01	60000.001	5.328	10.243	16.94
8/3/2021 4:02	60060.001	5.329	10.255	16.939
8/3/2021 4:03	60120.001	5.325	10.265	16.947
8/3/2021 4:04	60180.001	5.328	10.246	16.941
8/3/2021 4:05	60240.001	5.328	10.22	16.942
8/3/2021 4:06	60300.001	5.326	10.235	16.945
8/3/2021 4:07	60360.001	5.326	10.261	16.945
8/3/2021 4:08	60420.001	5.329	10.264	16.939
8/3/2021 4:09	60480.001	5.327	10.246	16.943
8/3/2021 4:10	60540.001	5.326	10.255	16.945
8/3/2021 4:11	60600.001	5.326	10.248	16.945
8/3/2021 4:12	60660.001	5.326	10.274	16.946
8/3/2021 4:13	60720.001	5.326	10.248	16.945
8/3/2021 4:14	60780.001	5.326	10.246	16.946
8/3/2021 4:15	60840.001	5.328	10.271	16.941
8/3/2021 4:16	60900.001	5.325	10.227	16.947
8/3/2021 4:17	60960.001	5.327	10.219	16.943
8/3/2021 4:18	61020.001	5.328	10.245	16.94
8/3/2021 4:19	61080.001	5.328	10.232	16.94
8/3/2021 4:20	61140.001	5.325	10.246	16.947
8/3/2021 4:21	61200.001	5.325	10.251	16.948
8/3/2021 4:22	61260.001	5.328	10.242	16.942
8/3/2021 4:23	61320.001	5.327	10.231	16.942
8/3/2021 4:24	61380.001	5.326	10.252	16.944
8/3/2021 4:25	61440.001	5.327	10.26	16.942
8/3/2021 4:26	61500.001	5.325	10.251	16.947
8/3/2021 4:27	61560.001	5.323	10.231	16.952
8/3/2021 4:28	61620.001	5.326	10.26	16.946
8/3/2021 4:29	61680.001	5.325	10.249	16.947
8/3/2021 4:30	61740.001	5.326	10.241	16.946
8/3/2021 4:31	61800.001	5.326	10.256	16.946
8/3/2021 4:32	61860.001	5.324	10.252	16.949
8/3/2021 4:33	61920.001	5.325	10.26	16.947
8/3/2021 4:34	61980.001	5.326	10.249	16.945
8/3/2021 4:35	62040.001	5.326	10.262	16.945
8/3/2021 4:36	62100.001	5.329	10.255	16.939
8/3/2021 4:37	62160.001	5.326	10.258	16.946
8/3/2021 4:38	62220.001	5.325	10.232	16.948
8/3/2021 4:39	62280.001	5.327	10.276	16.944
8/3/2021 4:40	62340.001	5.324	10.254	16.951
8/3/2021 4:41	62400.001	5.326	10.246	16.946

8/3/2021 4:42	62460.001	5.325	10.252	16.949
8/3/2021 4:43	62520.001	5.325	10.282	16.949
8/3/2021 4:44	62580.001	5.324	10.221	16.95
8/3/2021 4:45	62640.001	5.325	10.251	16.947
8/3/2021 4:46	62700.001	5.321	10.287	16.958
8/3/2021 4:47	62760.001	5.323	10.257	16.953
8/3/2021 4:48	62820.001	5.327	10.268	16.943
8/3/2021 4:49	62880.001	5.323	10.253	16.952
8/3/2021 4:50	62940.001	5.324	10.283	16.95
8/3/2021 4:51	63000.001	5.321	10.26	16.958
8/3/2021 4:52	63060.001	5.322	10.26	16.955
8/3/2021 4:53	63120.001	5.322	10.258	16.954
8/3/2021 4:54	63180.001	5.324	10.272	16.95
8/3/2021 4:55	63240.001	5.321	10.258	16.958
8/3/2021 4:56	63300.001	5.321	10.257	16.957
8/3/2021 4:57	63360.001	5.319	10.247	16.961
8/3/2021 4:58	63420.001	5.323	10.239	16.951
8/3/2021 4:59	63480.001	5.323	10.253	16.952
8/3/2021 5:00	63540.001	5.32	10.246	16.959
8/3/2021 5:01	63600.001	5.323	10.284	16.953
8/3/2021 5:02	63660.001	5.323	10.255	16.952
8/3/2021 5:03	63720.001	5.323	10.236	16.952
8/3/2021 5:04	63780.001	5.322	10.26	16.954
8/3/2021 5:05	63840.001	5.323	10.24	16.953
8/3/2021 5:06	63900.001	5.322	10.226	16.955
8/3/2021 5:07	63960.001	5.324	10.239	16.95
8/3/2021 5:08	64020.001	5.322	10.235	16.955
8/3/2021 5:09	64080.001	5.324	10.239	16.95
8/3/2021 5:10	64140.001	5.321	10.248	16.956
8/3/2021 5:11	64200.001	5.324	10.26	16.95
8/3/2021 5:12	64260.001	5.321	10.24	16.958
8/3/2021 5:13	64320.001	5.322	10.257	16.955
8/3/2021 5:14	64380.001	5.322	10.266	16.956
8/3/2021 5:15	64440.001	5.322	10.239	16.954
8/3/2021 5:16	64500.001	5.322	10.229	16.956
8/3/2021 5:17	64560.001	5.321	10.235	16.956
8/3/2021 5:18	64620.001	5.321	10.262	16.956
8/3/2021 5:19	64680.001	5.323	10.244	16.952
8/3/2021 5:20	64740.001	5.321	10.241	16.956
8/3/2021 5:21	64800.001	5.322	10.273	16.954
8/3/2021 5:22	64860.001	5.321	10.262	16.957
8/3/2021 5:23	64920.001	5.321	10.249	16.958
8/3/2021 5:24	64980.001	5.322	10.232	16.954
8/3/2021 5:25	65040.001	5.32	10.271	16.959
8/3/2021 5:26	65100.001	5.321	10.242	16.957
8/3/2021 5:27	65160.001	5.323	10.235	16.953
8/3/2021 5:28	65220.001	5.321	10.264	16.956
8/3/2021 5:29	65280.001	5.32	10.247	16.96
8/3/2021 5:30	65340.001	5.322	10.247	16.955
8/3/2021 5:31	65400.001	5.321	10.254	16.957
8/3/2021 5:32	65460.001	5.323	10.26	16.953
8/3/2021 5:33	65520.001	5.323	10.249	16.952
8/3/2021 5:34	65580.001	5.321	10.249	16.957

8/3/2021 5:35	65640.001	5.318	10.238	16.963
8/3/2021 5:36	65700.001	5.32	10.237	16.958
8/3/2021 5:37	65760.001	5.32	10.262	16.959
8/3/2021 5:38	65820.001	5.322	10.276	16.955
8/3/2021 5:39	65880.001	5.322	10.254	16.954
8/3/2021 5:40	65940.001	5.322	10.274	16.954
8/3/2021 5:41	66000.001	5.323	10.248	16.953
8/3/2021 5:42	66060.001	5.323	10.268	16.952
8/3/2021 5:43	66120.001	5.322	10.257	16.954
8/3/2021 5:44	66180.001	5.324	10.252	16.951
8/3/2021 5:45	66240.001	5.323	10.27	16.953
8/3/2021 5:46	66300.001	5.324	10.266	16.951
8/3/2021 5:47	66360.001	5.323	10.243	16.953
8/3/2021 5:48	66420.001	5.321	10.252	16.958
8/3/2021 5:49	66480.001	5.321	10.244	16.958
8/3/2021 5:50	66540.001	5.324	10.232	16.951
8/3/2021 5:51	66600.001	5.323	10.263	16.951
8/3/2021 5:52	66660.001	5.324	10.246	16.951
8/3/2021 5:53	66720.001	5.323	10.241	16.952
8/3/2021 5:54	66780.001	5.325	10.262	16.947
8/3/2021 5:55	66840.001	5.323	10.267	16.952
8/3/2021 5:56	66900.001	5.324	10.284	16.951
8/3/2021 5:57	66960.001	5.326	10.242	16.945
8/3/2021 5:58	67020.001	5.324	10.238	16.951
8/3/2021 5:59	67080.001	5.324	10.261	16.95
8/3/2021 6:00	67140.001	5.325	10.241	16.947
8/3/2021 6:01	67200.001	5.322	10.253	16.955
8/3/2021 6:02	67260.001	5.322	10.262	16.954
8/3/2021 6:03	67320.001	5.325	10.231	16.948
8/3/2021 6:04	67380.001	5.323	10.261	16.953
8/3/2021 6:05	67440.001	5.321	10.249	16.957
8/3/2021 6:06	67500.001	5.322	10.251	16.954
8/3/2021 6:07	67560.001	5.322	10.276	16.956
8/3/2021 6:08	67620.001	5.323	10.256	16.953
8/3/2021 6:09	67680.001	5.323	10.288	16.953
8/3/2021 6:10	67740.001	5.322	10.243	16.954
8/3/2021 6:11	67800.001	5.319	10.273	16.961
8/3/2021 6:12	67860.001	5.321	10.239	16.956
8/3/2021 6:13	67920.001	5.323	10.256	16.952
8/3/2021 6:14	67980.001	5.32	10.279	16.96
8/3/2021 6:15	68040.001	5.322	10.261	16.955
8/3/2021 6:16	68100.001	5.322	10.26	16.955
8/3/2021 6:17	68160.001	5.321	10.264	16.956
8/3/2021 6:18	68220.001	5.321	10.231	16.958
8/3/2021 6:19	68280.001	5.322	10.23	16.954
8/3/2021 6:20	68340.001	5.322	10.249	16.956
8/3/2021 6:21	68400.001	5.324	10.243	16.949
8/3/2021 6:22	68460.001	5.321	10.251	16.956
8/3/2021 6:23	68520.001	5.322	10.249	16.955
8/3/2021 6:24	68580.001	5.324	10.258	16.951
8/3/2021 6:25	68640.001	5.319	10.252	16.963
8/3/2021 6:26	68700.001	5.322	10.247	16.955
8/3/2021 6:27	68760.001	5.324	10.262	16.951

8/3/2021 6:28	68820.001	5.321	10.244	16.958
8/3/2021 6:29	68880.001	5.323	10.241	16.952
8/3/2021 6:30	68940.001	5.323	10.244	16.953
8/3/2021 6:31	69000.001	5.32	10.263	16.959
8/3/2021 6:32	69060.001	5.324	10.23	16.95
8/3/2021 6:33	69120.001	5.322	10.279	16.954
8/3/2021 6:34	69180.001	5.322	10.26	16.955
8/3/2021 6:35	69240.001	5.323	10.265	16.952
8/3/2021 6:36	69300.001	5.323	10.242	16.952
8/3/2021 6:37	69360.001	5.323	10.249	16.952
8/3/2021 6:38	69420.001	5.322	10.249	16.954
8/3/2021 6:39	69480.001	5.323	10.243	16.952
8/3/2021 6:40	69540.001	5.322	10.292	16.954
8/3/2021 6:41	69600.001	5.322	10.249	16.955
8/3/2021 6:42	69660.001	5.321	10.252	16.957
8/3/2021 6:43	69720.001	5.322	10.265	16.955
8/3/2021 6:44	69780.001	5.319	10.262	16.961
8/3/2021 6:45	69840.001	5.321	10.224	16.957
8/3/2021 6:46	69900.001	5.321	10.257	16.958
8/3/2021 6:47	69960.001	5.323	10.269	16.952
8/3/2021 6:48	70020.001	5.321	10.256	16.957
8/3/2021 6:49	70080.001	5.319	10.237	16.962
8/3/2021 6:50	70140.001	5.322	10.235	16.954
8/3/2021 6:51	70200.001	5.319	10.247	16.96
8/3/2021 6:52	70260.001	5.321	10.258	16.957
8/3/2021 6:53	70320.001	5.319	10.255	16.961
8/3/2021 6:54	70380.001	5.32	10.236	16.96
8/3/2021 6:55	70440.001	5.319	10.23	16.961
8/3/2021 6:56	70500.001	5.321	10.26	16.956
8/3/2021 6:57	70560.001	5.319	10.261	16.961

8/3/2021 6:58	70620.001	5.32	10.24	16.959
8/3/2021 6:59	70680.001	5.321	10.261	16.956
8/3/2021 7:00	70740.001	5.318	10.276	16.964
8/3/2021 7:01	70800.001	5.321	10.221	16.956
8/3/2021 7:02	70860.001	5.318	10.254	16.964
8/3/2021 7:03	70920.001	5.32	10.26	16.96
8/3/2021 7:04	70980.001	5.32	10.216	16.958
8/3/2021 7:05	71040.001	5.32	10.241	16.959
8/3/2021 7:06	71100.001	5.319	10.246	16.961

Report Date:	8/3/2021 8:10
Report User Name:	OBI
Report Computer Name:	Pocket PC
Application:	WinSituMobile.exe
Application Version:	5.6.3.0

Log File Properties

File Name	SP_21-2_PUMP 2021-08-03 07.57.17.wsl
Create Date	8/3/2021 7:57

Device Properties

Device	Level TROLL 700
Site	ROME LF

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 705676 Pressure (PSI)	Sensor: Pres(G) 35ft SN#: 705676 Temperature (C)	Sensor: Pres(G) 35ft SN#: 705676 Level Depth To Water (ft)
8/2/2021 11:31	0	6.438	10.346	16.633
8/2/2021 11:32	60.001	6.441	10.318	16.627
8/2/2021 11:33	120.001	6.442	10.345	16.625
8/2/2021 11:34	180.001	6.442	10.342	16.624
8/2/2021 11:35	240.001	6.441	10.346	16.626
8/2/2021 11:36	300.001	6.44	10.318	16.629
8/2/2021 11:37	360.001	6.44	10.322	16.63
8/2/2021 11:38	420.001	6.443	10.358	16.622
8/2/2021 11:39	480.001	6.444	10.315	16.62
8/2/2021 11:40	540.001	6.443	10.33	16.621
8/2/2021 11:41	600.001	6.441	10.343	16.625
8/2/2021 11:42	660.001	6.442	10.302	16.623
8/2/2021 11:43	720.001	6.442	10.319	16.623
8/2/2021 11:44	780.001	6.442	10.304	16.625
8/2/2021 11:45	840.001	6.441	10.295	16.627
8/2/2021 11:46	900.001	6.443	10.287	16.622
8/2/2021 11:47	960.001	6.44	10.304	16.629
8/2/2021 11:48	1020.001	6.439	10.281	16.631
8/2/2021 11:49	1080.001	6.444	10.312	16.62
8/2/2021 11:50	1140.001	6.443	10.288	16.622
8/2/2021 11:51	1200.001	6.441	10.336	16.627
8/2/2021 11:52	1260.001	6.441	10.306	16.626
8/2/2021 11:53	1320.001	6.441	10.298	16.626
8/2/2021 11:54	1380.001	6.442	10.28	16.624
8/2/2021 11:55	1440.001	6.443	10.3	16.621
8/2/2021 11:56	1500.001	6.441	10.292	16.626
8/2/2021 11:57	1560.001	6.443	10.307	16.622
8/2/2021 11:58	1620.001	6.442	10.267	16.623
8/2/2021 11:59	1680.001	6.443	10.3	16.621
8/2/2021 12:00	1740.001	6.442	10.304	16.623
8/2/2021 12:01	1800.001	6.442	10.302	16.623
8/2/2021 12:02	1860.001	6.441	10.287	16.626
8/2/2021 12:03	1920.001	6.445	10.259	16.616
8/2/2021 12:04	1980.001	6.443	10.29	16.622
8/2/2021 12:05	2040.001	6.443	10.294	16.621

8/2/2021 12:06	2100.001	6.443	10.293	16.622
8/2/2021 12:07	2160.001	6.441	10.289	16.625
8/2/2021 12:08	2220.001	6.443	10.264	16.623
8/2/2021 12:09	2280	6.43	10.306	16.651
8/2/2021 12:10	2340.001	6.447	10.314	16.613
8/2/2021 12:11	2400	6.437	10.314	16.634
8/2/2021 12:12	2460	6.436	10.286	16.637
8/2/2021 12:13	2520	6.436	10.315	16.638
8/2/2021 12:14	2580.001	6.45	10.298	16.606
8/2/2021 12:15	2640.001	6.45	10.267	16.605
8/2/2021 12:16	2700.001	6.45	10.291	16.605
8/2/2021 12:17	2760.001	6.452	10.284	16.6
8/2/2021 12:18	2820.001	6.451	10.274	16.603
8/2/2021 12:19	2880.001	6.448	10.281	16.61
8/2/2021 12:20	2940.001	6.45	10.284	16.606
8/2/2021 12:21	3000.001	6.448	10.279	16.61
8/2/2021 12:22	3060.001	6.449	10.289	16.609
8/2/2021 12:23	3120.001	6.447	10.293	16.613
8/2/2021 12:24	3180.001	6.449	10.287	16.608
8/2/2021 12:25	3240.001	6.451	10.268	16.604
8/2/2021 12:26	3300.001	6.451	10.267	16.603
8/2/2021 12:27	3360.001	6.45	10.267	16.605
8/2/2021 12:28	3420.001	6.453	10.297	16.598
8/2/2021 12:29	3480.001	6.452	10.263	16.601
8/2/2021 12:30	3540.001	6.45	10.277	16.606
8/2/2021 12:31	3600.001	6.452	10.271	16.601
8/2/2021 12:32	3660.001	6.452	10.277	16.601
8/2/2021 12:33	3720.001	6.449	10.273	16.608
8/2/2021 12:34	3780.001	6.452	10.285	16.602
8/2/2021 12:35	3840.001	6.451	10.256	16.604
8/2/2021 12:36	3900.001	6.452	10.266	16.602
8/2/2021 12:37	3960.001	6.452	10.271	16.601
8/2/2021 12:38	4020.001	6.451	10.269	16.603
8/2/2021 12:39	4080.001	6.449	10.292	16.608
8/2/2021 12:40	4140.001	6.45	10.285	16.605
8/2/2021 12:41	4200.001	6.451	10.288	16.602
8/2/2021 12:42	4260.001	6.451	10.248	16.603
8/2/2021 12:43	4320.001	6.45	10.287	16.606
8/2/2021 12:44	4380.001	6.452	10.239	16.601
8/2/2021 12:45	4440.001	6.451	10.284	16.602
8/2/2021 12:46	4500.001	6.449	10.247	16.608
8/2/2021 12:47	4560.001	6.45	10.276	16.606
8/2/2021 12:48	4620.001	6.45	10.251	16.606
8/2/2021 12:49	4680.001	6.451	10.244	16.604
8/2/2021 12:50	4740.001	6.453	10.27	16.599
8/2/2021 12:51	4800.001	6.451	10.282	16.602
8/2/2021 12:52	4860.001	6.448	10.25	16.609
8/2/2021 12:53	4920.001	6.451	10.245	16.602
8/2/2021 12:54	4980.001	6.449	10.256	16.607
8/2/2021 12:55	5040.001	6.449	10.267	16.607
8/2/2021 12:56	5100.001	6.453	10.254	16.598
8/2/2021 12:57	5160.001	6.452	10.261	16.602
8/2/2021 12:58	5220.001	6.452	10.273	16.602

8/2/2021 12:59	5280.001	6.451	10.266	16.602
8/2/2021 13:00	5340.001	6.451	10.277	16.602
8/2/2021 13:01	5400.001	6.45	10.272	16.606
8/2/2021 13:02	5460.001	6.452	10.269	16.601
8/2/2021 13:03	5520.001	6.454	10.276	16.597
8/2/2021 13:04	5580.001	6.453	10.236	16.599
8/2/2021 13:05	5640.001	6.454	10.276	16.597
8/2/2021 13:06	5700.001	6.45	10.259	16.606
8/2/2021 13:07	5760.001	6.451	10.241	16.603
8/2/2021 13:08	5820.001	6.453	10.251	16.599
8/2/2021 13:09	5880.001	6.451	10.295	16.602
8/2/2021 13:10	5940.001	6.452	10.262	16.601
8/2/2021 13:11	6000.001	6.452	10.239	16.6
8/2/2021 13:12	6060.001	6.452	10.275	16.6
8/2/2021 13:13	6120.001	6.453	10.296	16.599
8/2/2021 13:14	6180.001	6.451	10.268	16.603
8/2/2021 13:15	6240.001	6.454	10.253	16.596
8/2/2021 13:16	6300.001	6.452	10.252	16.601
8/2/2021 13:17	6360.001	6.452	10.254	16.601
8/2/2021 13:18	6420.001	6.45	10.268	16.605
8/2/2021 13:19	6480.001	6.45	10.27	16.605
8/2/2021 13:20	6540.001	6.453	10.26	16.599
8/2/2021 13:21	6600.001	6.452	10.275	16.6
8/2/2021 13:22	6660.001	6.451	10.266	16.602
8/2/2021 13:23	6720.001	6.453	10.275	16.599
8/2/2021 13:24	6780.001	6.451	10.271	16.602
8/2/2021 13:25	6840.001	6.454	10.258	16.596
8/2/2021 13:26	6900.001	6.454	10.268	16.597
8/2/2021 13:27	6960.001	6.451	10.282	16.604
8/2/2021 13:28	7020.001	6.452	10.258	16.6
8/2/2021 13:29	7080.001	6.452	10.267	16.601
8/2/2021 13:30	7140.001	6.453	10.234	16.599
8/2/2021 13:31	7200.001	6.451	10.29	16.603
8/2/2021 13:32	7260.001	6.452	10.253	16.6
8/2/2021 13:33	7320.001	6.453	10.262	16.598
8/2/2021 13:34	7380.001	6.452	10.284	16.601
8/2/2021 13:35	7440.001	6.452	10.28	16.601
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8/2/2021 13:37	7560.001	6.454	10.234	16.597
8/2/2021 13:38	7620.001	6.453	10.274	16.597
8/2/2021 13:39	7680.001	6.453	10.233	16.598
8/2/2021 13:40	7740.001	6.454	10.298	16.596
8/2/2021 13:41	7800.001	6.45	10.276	16.605
8/2/2021 13:42	7860.001	6.453	10.292	16.598
8/2/2021 13:43	7920.001	6.453	10.245	16.599
8/2/2021 13:44	7980.001	6.453	10.25	16.599
8/2/2021 13:45	8040.001	6.454	10.276	16.596
8/2/2021 13:46	8100.001	6.454	10.247	16.596
8/2/2021 13:47	8160.001	6.452	10.244	16.602
8/2/2021 13:48	8220.001	6.454	10.276	16.597
8/2/2021 13:49	8280.001	6.453	10.253	16.598
8/2/2021 13:50	8340.001	6.453	10.293	16.597
8/2/2021 13:51	8400.001	6.452	10.263	16.601

8/2/2021 13:52	8460.001	6.454	10.254	16.596
8/2/2021 13:53	8520.001	6.456	10.281	16.591
8/2/2021 13:54	8580.001	6.453	10.242	16.598
8/2/2021 13:55	8640.001	6.454	10.264	16.596
8/2/2021 13:56	8700.001	6.454	10.242	16.596
8/2/2021 13:57	8760.001	6.454	10.247	16.595
8/2/2021 13:58	8820.001	6.454	10.264	16.597
8/2/2021 13:59	8880.001	6.454	10.26	16.597
8/2/2021 14:00	8940.001	6.455	10.277	16.594
8/2/2021 14:01	9000.001	6.457	10.282	16.589
8/2/2021 14:02	9060.001	6.456	10.258	16.591
8/2/2021 14:03	9120.001	6.455	10.256	16.594
8/2/2021 14:04	9180.001	6.452	10.249	16.601
8/2/2021 14:05	9240.001	6.453	10.276	16.599
8/2/2021 14:06	9300.001	6.455	10.255	16.594
8/2/2021 14:07	9360.001	6.456	10.258	16.593
8/2/2021 14:08	9420.001	6.455	10.271	16.593
8/2/2021 14:09	9480.001	6.454	10.244	16.596
8/2/2021 14:10	9540.001	6.452	10.256	16.6
8/2/2021 14:11	9600.001	6.457	10.246	16.59
8/2/2021 14:12	9660.001	6.454	10.258	16.596
8/2/2021 14:13	9720.001	6.454	10.248	16.596
8/2/2021 14:14	9780.001	6.455	10.252	16.595
8/2/2021 14:15	9840.001	6.453	10.232	16.597
8/2/2021 14:16	9900.001	6.454	10.261	16.596
8/2/2021 14:17	9960.001	6.455	10.258	16.594
8/2/2021 14:18	10020.001	6.455	10.257	16.593
8/2/2021 14:19	10080.001	6.454	10.284	16.597
8/2/2021 14:20	10140.001	6.454	10.259	16.597
8/2/2021 14:21	10200.001	6.453	10.249	16.599
8/2/2021 14:22	10260.001	6.452	10.276	16.6
8/2/2021 14:23	10320.001	6.453	10.28	16.599
8/2/2021 14:24	10380.001	6.453	10.254	16.598
8/2/2021 14:25	10440.001	6.455	10.255	16.594
8/2/2021 14:26	10500.001	6.454	10.261	16.596
8/2/2021 14:27	10560.001	6.454	10.273	16.597
8/2/2021 14:28	10620.001	6.457	10.281	16.589
8/2/2021 14:29	10680.001	6.453	10.287	16.598
8/2/2021 14:30	10740.001	6.455	10.246	16.593
8/2/2021 14:31	10800.001	6.453	10.267	16.599
8/2/2021 14:32	10860.001	6.459	10.278	16.584
8/2/2021 14:33	10920.001	6.456	10.287	16.591
8/2/2021 14:34	10980.001	6.456	10.255	16.592
8/2/2021 14:35	11040.001	6.459	10.264	16.586
8/2/2021 14:36	11100.001	6.455	10.265	16.594
8/2/2021 14:37	11160.001	6.457	10.27	16.589
8/2/2021 14:38	11220.001	6.458	10.233	16.588
8/2/2021 14:39	11280.001	6.455	10.254	16.595
8/2/2021 14:40	11340.001	6.455	10.235	16.594
8/2/2021 14:41	11400.001	6.455	10.251	16.593
8/2/2021 14:42	11460.001	6.453	10.266	16.599
8/2/2021 14:43	11520.001	6.455	10.259	16.595
8/2/2021 14:44	11580.001	6.456	10.286	16.592

8/2/2021 14:45	11640.001	6.453	10.247	16.599
8/2/2021 14:46	11700.001	6.458	10.28	16.588
8/2/2021 14:47	11760.001	6.457	10.235	16.59
8/2/2021 14:48	11820.001	6.457	10.258	16.589
8/2/2021 14:49	11880.001	6.456	10.263	16.591
8/2/2021 14:50	11940.001	6.455	10.252	16.593
8/2/2021 14:51	12000.001	6.457	10.254	16.589
8/2/2021 14:52	12060.001	6.457	10.245	16.589
8/2/2021 14:53	12120.001	6.455	10.267	16.594
8/2/2021 14:54	12180.001	6.457	10.283	16.59
8/2/2021 14:55	12240.001	6.457	10.227	16.589
8/2/2021 14:56	12300.001	6.454	10.267	16.597
8/2/2021 14:57	12360.001	6.454	10.285	16.597
8/2/2021 14:58	12420.001	6.457	10.25	16.59
8/2/2021 14:59	12480.001	6.456	10.26	16.591
8/2/2021 15:00	12540.001	6.454	10.242	16.596
8/2/2021 15:01	12600.001	6.456	10.246	16.593
8/2/2021 15:02	12660.001	6.454	10.274	16.595
8/2/2021 15:03	12720.001	6.457	10.246	16.588
8/2/2021 15:04	12780.001	6.455	10.279	16.595
8/2/2021 15:05	12840.001	6.457	10.278	16.59
8/2/2021 15:06	12900.001	6.454	10.238	16.597
8/2/2021 15:07	12960.001	6.459	10.258	16.585
8/2/2021 15:08	13020.001	6.454	10.251	16.596
8/2/2021 15:09	13080.001	6.458	10.271	16.586
8/2/2021 15:10	13140.001	6.454	10.267	16.596
8/2/2021 15:11	13200.001	6.455	10.267	16.595
8/2/2021 15:12	13260.001	6.455	10.28	16.594
8/2/2021 15:13	13320.001	6.456	10.276	16.593
8/2/2021 15:14	13380.001	6.458	10.263	16.587
8/2/2021 15:15	13440.001	6.456	10.274	16.592
8/2/2021 15:16	13500.001	6.457	10.267	16.59
8/2/2021 15:17	13560.001	6.455	10.268	16.594
8/2/2021 15:18	13620.001	6.457	10.281	16.589
8/2/2021 15:19	13680.001	6.453	10.248	16.598
8/2/2021 15:20	13740.001	6.459	10.264	16.584
8/2/2021 15:21	13800.001	6.455	10.259	16.593
8/2/2021 15:22	13860.001	6.457	10.258	16.589
8/2/2021 15:23	13920.001	6.456	10.251	16.592
8/2/2021 15:24	13980.001	6.454	10.276	16.596
8/2/2021 15:25	14040.001	6.455	10.276	16.593
8/2/2021 15:26	14100.001	6.457	10.239	16.59
8/2/2021 15:27	14160.001	6.456	10.267	16.593
8/2/2021 15:28	14220.001	6.457	10.244	16.589
8/2/2021 15:29	14280.001	6.457	10.277	16.589
8/2/2021 15:30	14340.001	6.459	10.251	16.586
8/2/2021 15:31	14400.001	6.456	10.257	16.591
8/2/2021 15:32	14460.001	6.458	10.259	16.586
8/2/2021 15:33	14520.001	6.456	10.264	16.591
8/2/2021 15:34	14580.001	6.455	10.228	16.595
8/2/2021 15:35	14640.001	6.458	10.267	16.586
8/2/2021 15:36	14700.001	6.456	10.241	16.591
8/2/2021 15:37	14760.001	6.458	10.262	16.587

8/2/2021 15:38	14820.001	6.457	10.243	16.589
8/2/2021 15:39	14880.001	6.459	10.27	16.584
8/2/2021 15:40	14940.001	6.459	10.268	16.584
8/2/2021 15:41	15000.001	6.459	10.298	16.586
8/2/2021 15:42	15060.001	6.46	10.247	16.583
8/2/2021 15:43	15120.001	6.459	10.258	16.585
8/2/2021 15:44	15180.001	6.457	10.279	16.589
8/2/2021 15:45	15240.001	6.46	10.213	16.583
8/2/2021 15:46	15300.001	6.457	10.283	16.59
8/2/2021 15:47	15360.001	6.457	10.271	16.59
8/2/2021 15:48	15420.001	6.457	10.256	16.589
8/2/2021 15:49	15480.001	6.459	10.264	16.585
8/2/2021 15:50	15540.001	6.457	10.274	16.589
8/2/2021 15:51	15600.001	6.458	10.234	16.586
8/2/2021 15:52	15660.001	6.457	10.267	16.588
8/2/2021 15:53	15720.001	6.457	10.275	16.589
8/2/2021 15:54	15780.001	6.457	10.257	16.588
8/2/2021 15:55	15840.001	6.458	10.287	16.587
8/2/2021 15:56	15900.001	6.457	10.242	16.59
8/2/2021 15:57	15960.001	6.458	10.281	16.587
8/2/2021 15:58	16020.001	6.46	10.233	16.582
8/2/2021 15:59	16080.001	6.458	10.261	16.588
8/2/2021 16:00	16140.001	6.457	10.273	16.59
8/2/2021 16:01	16200.001	6.458	10.253	16.588
8/2/2021 16:02	16260.001	6.457	10.268	16.59
8/2/2021 16:03	16320.001	6.458	10.256	16.588
8/2/2021 16:04	16380.001	6.458	10.252	16.586
8/2/2021 16:05	16440.001	6.458	10.27	16.587
8/2/2021 16:06	16500.001	6.458	10.245	16.586
8/2/2021 16:07	16560.001	6.458	10.227	16.588
8/2/2021 16:08	16620.001	6.456	10.272	16.592
8/2/2021 16:09	16680.001	6.456	10.282	16.591
8/2/2021 16:10	16740.001	6.458	10.263	16.587
8/2/2021 16:11	16800.001	6.458	10.243	16.586
8/2/2021 16:12	16860.001	6.457	10.278	16.589
8/2/2021 16:13	16920.001	6.46	10.236	16.582
8/2/2021 16:14	16980.001	6.457	10.265	16.588
8/2/2021 16:15	17040.001	6.455	10.241	16.594
8/2/2021 16:16	17100.001	6.457	10.252	16.59
8/2/2021 16:17	17160.001	6.456	10.241	16.591
8/2/2021 16:18	17220.001	6.459	10.247	16.585
8/2/2021 16:19	17280.001	6.456	10.259	16.591
8/2/2021 16:20	17340.001	6.456	10.267	16.591
8/2/2021 16:21	17400.001	6.457	10.264	16.589
8/2/2021 16:22	17460.001	6.455	10.271	16.594
8/2/2021 16:23	17520.001	6.456	10.278	16.591
8/2/2021 16:24	17580.001	6.456	10.243	16.591
8/2/2021 16:25	17640.001	6.456	10.255	16.591
8/2/2021 16:26	17700.001	6.458	10.252	16.587
8/2/2021 16:27	17760.001	6.459	10.236	16.585
8/2/2021 16:28	17820.001	6.456	10.258	16.591
8/2/2021 16:29	17880.001	6.456	10.271	16.591
8/2/2021 16:30	17940.001	6.458	10.268	16.587

8/2/2021 16:31	18000.001	6.456	10.259	16.592
8/2/2021 16:32	18060.001	6.455	10.247	16.594
8/2/2021 16:33	18120.001	6.456	10.254	16.591
8/2/2021 16:34	18180.001	6.457	10.267	16.589
8/2/2021 16:35	18240.001	6.457	10.261	16.589
8/2/2021 16:36	18300.001	6.456	10.254	16.591
8/2/2021 16:37	18360.001	6.459	10.26	16.586
8/2/2021 16:38	18420.001	6.457	10.237	16.59
8/2/2021 16:39	18480.001	6.459	10.258	16.585
8/2/2021 16:40	18540.001	6.456	10.278	16.591
8/2/2021 16:41	18600.001	6.455	10.258	16.594
8/2/2021 16:42	18660.001	6.458	10.252	16.586
8/2/2021 16:43	18720.001	6.457	10.284	16.589
8/2/2021 16:44	18780.001	6.459	10.252	16.585
8/2/2021 16:45	18840.001	6.456	10.275	16.592
8/2/2021 16:46	18900.001	6.457	10.264	16.59
8/2/2021 16:47	18960.001	6.457	10.267	16.59
8/2/2021 16:48	19020.001	6.459	10.252	16.584
8/2/2021 16:49	19080.001	6.456	10.25	16.591
8/2/2021 16:50	19140.001	6.458	10.233	16.587
8/2/2021 16:51	19200.001	6.455	10.265	16.594
8/2/2021 16:52	19260.001	6.458	10.267	16.587
8/2/2021 16:53	19320.001	6.457	10.258	16.59
8/2/2021 16:54	19380.001	6.458	10.254	16.586
8/2/2021 16:55	19440.001	6.456	10.278	16.592
8/2/2021 16:56	19500.001	6.458	10.244	16.586
8/2/2021 16:57	19560.001	6.457	10.262	16.59
8/2/2021 16:58	19620.001	6.458	10.267	16.587
8/2/2021 16:59	19680.001	6.459	10.253	16.586
8/2/2021 17:00	19740.001	6.458	10.256	16.587
8/2/2021 17:01	19800.001	6.457	10.282	16.589
8/2/2021 17:02	19860.001	6.458	10.241	16.588
8/2/2021 17:03	19920.001	6.459	10.25	16.584
8/2/2021 17:04	19980.001	6.456	10.258	16.591
8/2/2021 17:05	20040.001	6.457	10.266	16.59
8/2/2021 17:06	20100.001	6.456	10.246	16.592
8/2/2021 17:07	20160.001	6.456	10.269	16.591
8/2/2021 17:08	20220.001	6.456	10.248	16.591
8/2/2021 17:09	20280.001	6.459	10.234	16.584
8/2/2021 17:10	20340.001	6.458	10.247	16.588
8/2/2021 17:11	20400.001	6.455	10.25	16.594
8/2/2021 17:12	20460.001	6.456	10.266	16.591
8/2/2021 17:13	20520.001	6.456	10.261	16.592
8/2/2021 17:14	20580.001	6.458	10.287	16.588
8/2/2021 17:15	20640.001	6.457	10.257	16.589
8/2/2021 17:16	20700.001	6.456	10.263	16.592
8/2/2021 17:17	20760.001	6.456	10.256	16.593
8/2/2021 17:18	20820.001	6.454	10.275	16.597
8/2/2021 17:19	20880.001	6.456	10.271	16.591
8/2/2021 17:20	20940.001	6.455	10.27	16.595
8/2/2021 17:21	21000.001	6.456	10.261	16.592
8/2/2021 17:22	21060.001	6.456	10.254	16.592
8/2/2021 17:23	21120.001	6.455	10.26	16.593

8/2/2021 17:24	21180.001	6.457	10.251	16.588
8/2/2021 17:25	21240.001	6.458	10.251	16.586
8/2/2021 17:26	21300.001	6.454	10.253	16.597
8/2/2021 17:27	21360.001	6.456	10.242	16.592
8/2/2021 17:28	21420.001	6.457	10.267	16.589
8/2/2021 17:29	21480.001	6.455	10.266	16.593
8/2/2021 17:30	21540.001	6.457	10.281	16.59
8/2/2021 17:31	21600.001	6.455	10.252	16.594
8/2/2021 17:32	21660.001	6.454	10.266	16.596
8/2/2021 17:33	21720.001	6.456	10.267	16.592
8/2/2021 17:34	21780.001	6.456	10.276	16.593
8/2/2021 17:35	21840.001	6.456	10.242	16.591
8/2/2021 17:36	21900.001	6.452	10.254	16.6
8/2/2021 17:37	21960.001	6.457	10.26	16.59
8/2/2021 17:38	22020.001	6.456	10.258	16.592
8/2/2021 17:39	22080.001	6.454	10.235	16.596
8/2/2021 17:40	22140.001	6.454	10.264	16.597
8/2/2021 17:41	22200.001	6.453	10.245	16.598
8/2/2021 17:42	22260.001	6.454	10.255	16.596
8/2/2021 17:43	22320.001	6.454	10.25	16.595
8/2/2021 17:44	22380.001	6.452	10.285	16.601
8/2/2021 17:45	22440.001	6.457	10.252	16.588
8/2/2021 17:46	22500.001	6.457	10.298	16.59
8/2/2021 17:47	22560.001	6.454	10.277	16.595
8/2/2021 17:48	22620.001	6.457	10.251	16.589
8/2/2021 17:49	22680.001	6.455	10.264	16.593
8/2/2021 17:50	22740.001	6.453	10.273	16.598
8/2/2021 17:51	22800.001	6.455	10.253	16.594
8/2/2021 17:52	22860.001	6.456	10.259	16.592
8/2/2021 17:53	22920.001	6.455	10.306	16.593
8/2/2021 17:54	22980.001	6.456	10.278	16.593
8/2/2021 17:55	23040.001	6.456	10.244	16.592
8/2/2021 17:56	23100.001	6.454	10.284	16.596
8/2/2021 17:57	23160.001	6.454	10.259	16.596
8/2/2021 17:58	23220.001	6.454	10.244	16.597
8/2/2021 17:59	23280.001	6.454	10.246	16.596
8/2/2021 18:00	23340.001	6.455	10.238	16.593
8/2/2021 18:01	23400.001	6.454	10.253	16.596
8/2/2021 18:02	23460.001	6.455	10.269	16.595
8/2/2021 18:03	23520.001	6.456	10.261	16.592
8/2/2021 18:04	23580.001	6.454	10.236	16.597
8/2/2021 18:05	23640.001	6.455	10.239	16.595
8/2/2021 18:06	23700.001	6.455	10.261	16.593
8/2/2021 18:07	23760.001	6.454	10.252	16.596
8/2/2021 18:08	23820.001	6.456	10.251	16.591
8/2/2021 18:09	23880.001	6.454	10.232	16.596
8/2/2021 18:10	23940.001	6.455	10.275	16.593
8/2/2021 18:11	24000.001	6.454	10.284	16.596
8/2/2021 18:12	24060.001	6.455	10.245	16.594
8/2/2021 18:13	24120.001	6.454	10.269	16.597
8/2/2021 18:14	24180.001	6.455	10.248	16.595
8/2/2021 18:15	24240.001	6.454	10.254	16.596
8/2/2021 18:16	24300.001	6.455	10.26	16.593

8/2/2021 18:17	24360.001	6.455	10.236	16.595
8/2/2021 18:18	24420.001	6.455	10.276	16.594
8/2/2021 18:19	24480.001	6.454	10.245	16.596
8/2/2021 18:20	24540.001	6.455	10.245	16.594
8/2/2021 18:21	24600.001	6.452	10.268	16.601
8/2/2021 18:22	24660.001	6.453	10.245	16.598
8/2/2021 18:23	24720.001	6.453	10.256	16.598
8/2/2021 18:24	24780.001	6.454	10.245	16.597
8/2/2021 18:25	24840.001	6.452	10.254	16.601
8/2/2021 18:26	24900.001	6.455	10.258	16.595
8/2/2021 18:27	24960.001	6.454	10.266	16.596
8/2/2021 18:28	25020.001	6.455	10.234	16.594
8/2/2021 18:29	25080.001	6.453	10.265	16.598
8/2/2021 18:30	25140.001	6.451	10.265	16.603
8/2/2021 18:31	25200.001	6.453	10.241	16.599
8/2/2021 18:32	25260.001	6.454	10.264	16.596
8/2/2021 18:33	25320.001	6.454	10.252	16.596
8/2/2021 18:34	25380.001	6.452	10.254	16.601
8/2/2021 18:35	25440.001	6.453	10.256	16.599
8/2/2021 18:36	25500.001	6.453	10.275	16.599
8/2/2021 18:37	25560.001	6.452	10.263	16.6
8/2/2021 18:38	25620.001	6.451	10.249	16.604
8/2/2021 18:39	25680.001	6.453	10.268	16.599
8/2/2021 18:40	25740.001	6.452	10.294	16.6
8/2/2021 18:41	25800.001	6.452	10.256	16.602
8/2/2021 18:42	25860.001	6.452	10.27	16.6
8/2/2021 18:43	25920.001	6.453	10.249	16.598
8/2/2021 18:44	25980.001	6.452	10.252	16.601
8/2/2021 18:45	26040.001	6.454	10.273	16.597
8/2/2021 18:46	26100.001	6.451	10.238	16.603
8/2/2021 18:47	26160.001	6.451	10.264	16.602
8/2/2021 18:48	26220.001	6.449	10.28	16.609
8/2/2021 18:49	26280.001	6.452	10.279	16.6
8/2/2021 18:50	26340.001	6.454	10.253	16.597
8/2/2021 18:51	26400.001	6.453	10.288	16.599
8/2/2021 18:52	26460.001	6.454	10.26	16.597
8/2/2021 18:53	26520.001	6.456	10.256	16.591
8/2/2021 18:54	26580.001	6.453	10.247	16.599
8/2/2021 18:55	26640.001	6.452	10.247	16.6
8/2/2021 18:56	26700.001	6.451	10.251	16.603
8/2/2021 18:57	26760.001	6.455	10.261	16.593
8/2/2021 18:58	26820.001	6.453	10.258	16.598
8/2/2021 18:59	26880.001	6.453	10.267	16.6
8/2/2021 19:00	26940.001	6.453	10.263	16.598
8/2/2021 19:01	27000.001	6.453	10.264	16.6
8/2/2021 19:02	27060.001	6.454	10.252	16.596
8/2/2021 19:03	27120.001	6.453	10.251	16.598
8/2/2021 19:04	27180.001	6.455	10.25	16.594
8/2/2021 19:05	27240.001	6.451	10.253	16.604
8/2/2021 19:06	27300.001	6.451	10.259	16.602
8/2/2021 19:07	27360.001	6.451	10.266	16.603
8/2/2021 19:08	27420.001	6.454	10.245	16.596
8/2/2021 19:09	27480.001	6.453	10.239	16.599

8/2/2021 19:10	27540.001	6.454	10.258	16.596
8/2/2021 19:11	27600.001	6.449	10.283	16.607
8/2/2021 19:12	27660.001	6.451	10.265	16.604
8/2/2021 19:13	27720.001	6.45	10.27	16.605
8/2/2021 19:14	27780.001	6.451	10.26	16.603
8/2/2021 19:15	27840.001	6.452	10.25	16.6
8/2/2021 19:16	27900.001	6.451	10.25	16.604
8/2/2021 19:17	27960.001	6.452	10.246	16.601
8/2/2021 19:18	28020.001	6.451	10.253	16.604
8/2/2021 19:19	28080.001	6.451	10.269	16.603
8/2/2021 19:20	28140.001	6.45	10.263	16.604
8/2/2021 19:21	28200.001	6.45	10.279	16.606
8/2/2021 19:22	28260.001	6.45	10.296	16.605
8/2/2021 19:23	28320.001	6.452	10.264	16.601
8/2/2021 19:24	28380.001	6.452	10.248	16.6
8/2/2021 19:25	28440.001	6.448	10.273	16.609
8/2/2021 19:26	28500.001	6.451	10.267	16.602
8/2/2021 19:27	28560.001	6.451	10.242	16.604
8/2/2021 19:28	28620.001	6.451	10.273	16.603
8/2/2021 19:29	28680.001	6.45	10.259	16.604
8/2/2021 19:30	28740.001	6.449	10.241	16.608
8/2/2021 19:31	28800.001	6.449	10.252	16.608
8/2/2021 19:32	28860.001	6.451	10.266	16.603
8/2/2021 19:33	28920.001	6.448	10.25	16.61
8/2/2021 19:34	28980.001	6.449	10.263	16.608
8/2/2021 19:35	29040.001	6.45	10.269	16.605
8/2/2021 19:36	29100.001	6.451	10.258	16.603
8/2/2021 19:37	29160.001	6.45	10.249	16.604
8/2/2021 19:38	29220.001	6.449	10.267	16.608
8/2/2021 19:39	29280.001	6.45	10.239	16.606
8/2/2021 19:40	29340.001	6.451	10.257	16.602
8/2/2021 19:41	29400.001	6.451	10.252	16.604
8/2/2021 19:42	29460.001	6.449	10.291	16.608
8/2/2021 19:43	29520.001	6.45	10.258	16.606
8/2/2021 19:44	29580.001	6.453	10.24	16.599
8/2/2021 19:45	29640.001	6.451	10.276	16.604
8/2/2021 19:46	29700.001	6.45	10.278	16.606
8/2/2021 19:47	29760.001	6.45	10.251	16.604
8/2/2021 19:48	29820.001	6.45	10.261	16.606
8/2/2021 19:49	29880.001	6.45	10.264	16.606
8/2/2021 19:50	29940.001	6.45	10.278	16.605
8/2/2021 19:51	30000.001	6.451	10.258	16.603
8/2/2021 19:52	30060.001	6.452	10.242	16.6
8/2/2021 19:53	30120.001	6.452	10.278	16.601
8/2/2021 19:54	30180.001	6.452	10.266	16.6
8/2/2021 19:55	30240.001	6.45	10.245	16.606
8/2/2021 19:56	30300.001	6.45	10.255	16.606
8/2/2021 19:57	30360.001	6.45	10.259	16.604
8/2/2021 19:58	30420.001	6.452	10.267	16.601
8/2/2021 19:59	30480.001	6.453	10.304	16.599
8/2/2021 20:00	30540.001	6.45	10.278	16.606
8/2/2021 20:01	30600.001	6.451	10.259	16.604
8/2/2021 20:02	30660.001	6.448	10.258	16.61

8/2/2021 20:03	30720.001	6.452	10.27	16.601
8/2/2021 20:04	30780.001	6.451	10.263	16.603
8/2/2021 20:05	30840.001	6.45	10.247	16.606
8/2/2021 20:06	30900.001	6.45	10.267	16.606
8/2/2021 20:07	30960.001	6.452	10.252	16.601
8/2/2021 20:08	31020.001	6.449	10.247	16.607
8/2/2021 20:09	31080.001	6.449	10.257	16.608
8/2/2021 20:10	31140.001	6.451	10.251	16.602
8/2/2021 20:11	31200.001	6.451	10.248	16.602
8/2/2021 20:12	31260.001	6.451	10.273	16.603
8/2/2021 20:13	31320.001	6.451	10.274	16.604
8/2/2021 20:14	31380.001	6.451	10.226	16.604
8/2/2021 20:15	31440.001	6.452	10.262	16.601
8/2/2021 20:16	31500.001	6.45	10.286	16.606
8/2/2021 20:17	31560.001	6.452	10.252	16.602
8/2/2021 20:18	31620.001	6.45	10.256	16.606
8/2/2021 20:19	31680.001	6.453	10.271	16.6
8/2/2021 20:20	31740.001	6.453	10.273	16.6
8/2/2021 20:21	31800.001	6.452	10.278	16.601
8/2/2021 20:22	31860.001	6.451	10.273	16.603
8/2/2021 20:23	31920.001	6.453	10.274	16.599
8/2/2021 20:24	31980.001	6.452	10.256	16.6
8/2/2021 20:25	32040.001	6.451	10.264	16.604
8/2/2021 20:26	32100.001	6.45	10.278	16.606
8/2/2021 20:27	32160.001	6.451	10.279	16.603
8/2/2021 20:28	32220.001	6.449	10.253	16.607
8/2/2021 20:29	32280.001	6.451	10.258	16.603
8/2/2021 20:30	32340.001	6.45	10.264	16.605
8/2/2021 20:31	32400.001	6.452	10.276	16.602
8/2/2021 20:32	32460.001	6.451	10.27	16.603
8/2/2021 20:33	32520.001	6.453	10.272	16.598
8/2/2021 20:34	32580.001	6.451	10.277	16.604
8/2/2021 20:35	32640.001	6.451	10.246	16.603
8/2/2021 20:36	32700.001	6.452	10.298	16.6
8/2/2021 20:37	32760.001	6.45	10.25	16.604
8/2/2021 20:38	32820.001	6.452	10.277	16.601
8/2/2021 20:39	32880.001	6.453	10.27	16.599
8/2/2021 20:40	32940.001	6.45	10.27	16.605
8/2/2021 20:41	33000.001	6.45	10.271	16.607
8/2/2021 20:42	33060.001	6.45	10.265	16.605
8/2/2021 20:43	33120.001	6.449	10.24	16.607
8/2/2021 20:44	33180.001	6.451	10.255	16.603
8/2/2021 20:45	33240.001	6.45	10.227	16.605
8/2/2021 20:46	33300.001	6.451	10.244	16.602
8/2/2021 20:47	33360.001	6.449	10.254	16.607
8/2/2021 20:48	33420.001	6.45	10.254	16.606
8/2/2021 20:49	33480.001	6.451	10.242	16.603
8/2/2021 20:50	33540.001	6.452	10.249	16.601
8/2/2021 20:51	33600.001	6.451	10.245	16.603
8/2/2021 20:52	33660.001	6.451	10.252	16.604
8/2/2021 20:53	33720.001	6.449	10.267	16.608
8/2/2021 20:54	33780.001	6.452	10.249	16.601
8/2/2021 20:55	33840.001	6.451	10.259	16.602

8/2/2021 20:56	33900.001	6.451	10.268	16.604
8/2/2021 20:57	33960.001	6.45	10.239	16.606
8/2/2021 20:58	34020.001	6.45	10.255	16.605
8/2/2021 20:59	34080.001	6.448	10.293	16.609
8/2/2021 21:00	34140.001	6.453	10.255	16.599
8/2/2021 21:01	34200.001	6.451	10.258	16.603
8/2/2021 21:02	34260.001	6.453	10.266	16.599
8/2/2021 21:03	34320.001	6.451	10.276	16.604
8/2/2021 21:04	34380.001	6.449	10.266	16.607
8/2/2021 21:05	34440.001	6.449	10.257	16.609
8/2/2021 21:06	34500.001	6.45	10.275	16.606
8/2/2021 21:07	34560.001	6.452	10.226	16.602
8/2/2021 21:08	34620.001	6.45	10.298	16.605
8/2/2021 21:09	34680.001	6.45	10.253	16.605
8/2/2021 21:10	34740.001	6.449	10.272	16.607
8/2/2021 21:11	34800.001	6.453	10.255	16.599
8/2/2021 21:12	34860.001	6.451	10.254	16.603
8/2/2021 21:13	34920.001	6.452	10.258	16.601
8/2/2021 21:14	34980.001	6.452	10.268	16.6
8/2/2021 21:15	35040.001	6.45	10.256	16.606
8/2/2021 21:16	35100.001	6.452	10.253	16.601
8/2/2021 21:17	35160.001	6.449	10.252	16.607
8/2/2021 21:18	35220.001	6.451	10.259	16.604
8/2/2021 21:19	35280.001	6.451	10.273	16.603
8/2/2021 21:20	35340.001	6.452	10.249	16.601
8/2/2021 21:21	35400.001	6.449	10.261	16.608
8/2/2021 21:22	35460.001	6.451	10.264	16.603
8/2/2021 21:23	35520.001	6.451	10.259	16.603
8/2/2021 21:24	35580.001	6.451	10.247	16.604
8/2/2021 21:25	35640.001	6.451	10.263	16.604
8/2/2021 21:26	35700.001	6.45	10.256	16.606
8/2/2021 21:27	35760.001	6.451	10.261	16.603
8/2/2021 21:28	35820.001	6.45	10.276	16.605
8/2/2021 21:29	35880.001	6.451	10.272	16.602
8/2/2021 21:30	35940.001	6.451	10.244	16.602
8/2/2021 21:31	36000.001	6.45	10.242	16.607
8/2/2021 21:32	36060.001	6.449	10.27	16.607
8/2/2021 21:33	36120.001	6.449	10.273	16.608
8/2/2021 21:34	36180.001	6.449	10.276	16.607
8/2/2021 21:35	36240.001	6.451	10.24	16.602
8/2/2021 21:36	36300.001	6.452	10.254	16.602
8/2/2021 21:37	36360.001	6.45	10.253	16.604
8/2/2021 21:38	36420.001	6.451	10.247	16.603
8/2/2021 21:39	36480.001	6.452	10.265	16.601
8/2/2021 21:40	36540.001	6.45	10.23	16.604
8/2/2021 21:41	36600.001	6.449	10.268	16.607
8/2/2021 21:42	36660.001	6.45	10.255	16.606
8/2/2021 21:43	36720.001	6.452	10.276	16.601
8/2/2021 21:44	36780.001	6.449	10.254	16.608
8/2/2021 21:45	36840.001	6.449	10.25	16.609
8/2/2021 21:46	36900.001	6.449	10.258	16.608
8/2/2021 21:47	36960.001	6.45	10.253	16.605
8/2/2021 21:48	37020.001	6.451	10.264	16.603

8/2/2021 21:49	37080.001	6.45	10.268	16.605
8/2/2021 21:50	37140.001	6.451	10.278	16.603
8/2/2021 21:51	37200.001	6.45	10.241	16.606
8/2/2021 21:52	37260.001	6.449	10.25	16.608
8/2/2021 21:53	37320.001	6.446	10.273	16.614
8/2/2021 21:54	37380.001	6.452	10.253	16.601
8/2/2021 21:55	37440.001	6.45	10.25	16.606
8/2/2021 21:56	37500.001	6.448	10.247	16.609
8/2/2021 21:57	37560.001	6.449	10.25	16.608
8/2/2021 21:58	37620.001	6.449	10.261	16.607
8/2/2021 21:59	37680.001	6.45	10.262	16.606
8/2/2021 22:00	37740.001	6.451	10.25	16.602
8/2/2021 22:01	37800.001	6.45	10.256	16.604
8/2/2021 22:02	37860.001	6.45	10.27	16.607
8/2/2021 22:03	37920.001	6.451	10.282	16.604
8/2/2021 22:04	37980.001	6.45	10.283	16.606
8/2/2021 22:05	38040.001	6.449	10.239	16.607
8/2/2021 22:06	38100.001	6.449	10.254	16.608
8/2/2021 22:07	38160.001	6.449	10.261	16.607
8/2/2021 22:08	38220.001	6.447	10.279	16.613
8/2/2021 22:09	38280.001	6.449	10.276	16.607
8/2/2021 22:10	38340.001	6.448	10.249	16.611
8/2/2021 22:11	38400.001	6.449	10.25	16.609
8/2/2021 22:12	38460.001	6.447	10.245	16.612
8/2/2021 22:13	38520.001	6.45	10.267	16.605
8/2/2021 22:14	38580.001	6.447	10.254	16.611
8/2/2021 22:15	38640.001	6.45	10.257	16.605
8/2/2021 22:16	38700.001	6.45	10.268	16.606
8/2/2021 22:17	38760.001	6.448	10.253	16.609
8/2/2021 22:18	38820.001	6.449	10.285	16.608
8/2/2021 22:19	38880.001	6.449	10.252	16.608
8/2/2021 22:20	38940.001	6.45	10.244	16.606
8/2/2021 22:21	39000.001	6.449	10.255	16.609
8/2/2021 22:22	39060.001	6.448	10.251	16.611
8/2/2021 22:23	39120.001	6.449	10.247	16.608
8/2/2021 22:24	39180.001	6.448	10.294	16.609
8/2/2021 22:25	39240.001	6.447	10.272	16.613
8/2/2021 22:26	39300.001	6.448	10.276	16.61
8/2/2021 22:27	39360.001	6.449	10.262	16.607
8/2/2021 22:28	39420.001	6.446	10.259	16.614
8/2/2021 22:29	39480.001	6.45	10.259	16.606
8/2/2021 22:30	39540.001	6.448	10.275	16.611
8/2/2021 22:31	39600.001	6.45	10.268	16.606
8/2/2021 22:32	39660.001	6.448	10.237	16.611
8/2/2021 22:33	39720.001	6.447	10.268	16.612
8/2/2021 22:34	39780.001	6.447	10.262	16.612
8/2/2021 22:35	39840.001	6.446	10.258	16.615
8/2/2021 22:36	39900.001	6.447	10.266	16.612
8/2/2021 22:37	39960.001	6.446	10.255	16.615
8/2/2021 22:38	40020.001	6.448	10.267	16.61
8/2/2021 22:39	40080.001	6.447	10.254	16.612
8/2/2021 22:40	40140.001	6.448	10.26	16.61
8/2/2021 22:41	40200.001	6.45	10.245	16.607

8/2/2021 22:42	40260.001	6.448	10.237	16.61
8/2/2021 22:43	40320.001	6.448	10.27	16.609
8/2/2021 22:44	40380.001	6.447	10.267	16.612
8/2/2021 22:45	40440.001	6.449	10.235	16.608
8/2/2021 22:46	40500.001	6.448	10.266	16.611
8/2/2021 22:47	40560.001	6.448	10.253	16.609
8/2/2021 22:48	40620.001	6.447	10.256	16.613
8/2/2021 22:49	40680.001	6.447	10.282	16.611
8/2/2021 22:50	40740.001	6.445	10.256	16.618
8/2/2021 22:51	40800.001	6.447	10.276	16.611
8/2/2021 22:52	40860.001	6.448	10.256	16.609
8/2/2021 22:53	40920.001	6.446	10.276	16.615
8/2/2021 22:54	40980.001	6.447	10.264	16.612
8/2/2021 22:55	41040.001	6.447	10.253	16.612
8/2/2021 22:56	41100.001	6.449	10.253	16.608
8/2/2021 22:57	41160.001	6.446	10.285	16.614
8/2/2021 22:58	41220.001	6.447	10.266	16.612
8/2/2021 22:59	41280.001	6.446	10.264	16.614
8/2/2021 23:00	41340.001	6.447	10.239	16.612
8/2/2021 23:01	41400.001	6.449	10.277	16.609
8/2/2021 23:02	41460.001	6.447	10.231	16.613
8/2/2021 23:03	41520.001	6.446	10.247	16.614
8/2/2021 23:04	41580.001	6.446	10.266	16.614
8/2/2021 23:05	41640.001	6.448	10.257	16.609
8/2/2021 23:06	41700.001	6.446	10.261	16.615
8/2/2021 23:07	41760.001	6.446	10.253	16.614
8/2/2021 23:08	41820.001	6.446	10.251	16.614
8/2/2021 23:09	41880.001	6.446	10.253	16.614
8/2/2021 23:10	41940.001	6.447	10.27	16.612
8/2/2021 23:11	42000.001	6.448	10.259	16.61
8/2/2021 23:12	42060.001	6.449	10.286	16.607
8/2/2021 23:13	42120.001	6.447	10.25	16.611
8/2/2021 23:14	42180.001	6.451	10.258	16.604
8/2/2021 23:15	42240.001	6.447	10.281	16.613
8/2/2021 23:16	42300.001	6.448	10.273	16.61
8/2/2021 23:17	42360.001	6.45	10.258	16.607
8/2/2021 23:18	42420.001	6.446	10.25	16.614
8/2/2021 23:19	42480.001	6.449	10.246	16.608
8/2/2021 23:20	42540.001	6.45	10.295	16.606
8/2/2021 23:21	42600.001	6.449	10.243	16.608
8/2/2021 23:22	42660.001	6.448	10.267	16.609
8/2/2021 23:23	42720.001	6.447	10.278	16.613
8/2/2021 23:24	42780.001	6.447	10.247	16.612
8/2/2021 23:25	42840.001	6.449	10.258	16.609
8/2/2021 23:26	42900.001	6.448	10.256	16.61
8/2/2021 23:27	42960.001	6.448	10.258	16.611
8/2/2021 23:28	43020.001	6.45	10.253	16.607
8/2/2021 23:29	43080.001	6.448	10.23	16.61
8/2/2021 23:30	43140.001	6.449	10.277	16.608
8/2/2021 23:31	43200.001	6.447	10.23	16.612
8/2/2021 23:32	43260.001	6.448	10.273	16.61
8/2/2021 23:33	43320.001	6.447	10.248	16.612
8/2/2021 23:34	43380.001	6.449	10.26	16.608

8/2/2021 23:35	43440.001	6.445	10.266	16.616
8/2/2021 23:36	43500.001	6.448	10.264	16.61
8/2/2021 23:37	43560.001	6.449	10.264	16.607
8/2/2021 23:38	43620.001	6.449	10.272	16.607
8/2/2021 23:39	43680.001	6.448	10.264	16.609
8/2/2021 23:40	43740.001	6.448	10.257	16.609
8/2/2021 23:41	43800.001	6.45	10.272	16.606
8/2/2021 23:42	43860.001	6.449	10.265	16.607
8/2/2021 23:43	43920.001	6.448	10.278	16.609
8/2/2021 23:44	43980.001	6.449	10.242	16.608
8/2/2021 23:45	44040.001	6.449	10.252	16.609
8/2/2021 23:46	44100.001	6.448	10.233	16.609
8/2/2021 23:47	44160.001	6.45	10.258	16.605
8/2/2021 23:48	44220.001	6.45	10.268	16.606
8/2/2021 23:49	44280.001	6.448	10.252	16.609
8/2/2021 23:50	44340.001	6.45	10.277	16.606
8/2/2021 23:51	44400.001	6.45	10.261	16.607
8/2/2021 23:52	44460.001	6.448	10.25	16.61
8/2/2021 23:53	44520.001	6.447	10.236	16.612
8/2/2021 23:54	44580.001	6.448	10.284	16.61
8/2/2021 23:55	44640.001	6.448	10.244	16.61
8/2/2021 23:56	44700.001	6.447	10.262	16.612
8/2/2021 23:57	44760.001	6.449	10.249	16.607
8/2/2021 23:58	44820.001	6.447	10.237	16.613
8/2/2021 23:59	44880.001	6.446	10.254	16.614
8/3/2021 0:00	44940.001	6.448	10.288	16.61
8/3/2021 0:01	45000.001	6.445	10.247	16.617
8/3/2021 0:02	45060.001	6.447	10.267	16.613
8/3/2021 0:03	45120.001	6.448	10.257	16.61
8/3/2021 0:04	45180.001	6.443	10.272	16.621
8/3/2021 0:05	45240.001	6.448	10.285	16.609
8/3/2021 0:06	45300.001	6.445	10.248	16.618
8/3/2021 0:07	45360.001	6.448	10.253	16.611
8/3/2021 0:08	45420.001	6.448	10.273	16.611
8/3/2021 0:09	45480.001	6.447	10.27	16.612
8/3/2021 0:10	45540.001	6.446	10.25	16.615
8/3/2021 0:11	45600.001	6.446	10.274	16.614
8/3/2021 0:12	45660.001	6.446	10.251	16.614
8/3/2021 0:13	45720.001	6.447	10.264	16.613
8/3/2021 0:14	45780.001	6.445	10.269	16.617
8/3/2021 0:15	45840.001	6.447	10.258	16.612
8/3/2021 0:16	45900.001	6.446	10.242	16.614
8/3/2021 0:17	45960.001	6.448	10.264	16.611
8/3/2021 0:18	46020.001	6.446	10.264	16.615
8/3/2021 0:19	46080.001	6.445	10.241	16.617
8/3/2021 0:20	46140.001	6.444	10.272	16.618
8/3/2021 0:21	46200.001	6.448	10.255	16.611
8/3/2021 0:22	46260.001	6.447	10.255	16.613
8/3/2021 0:23	46320.001	6.448	10.266	16.609
8/3/2021 0:24	46380.001	6.444	10.262	16.619
8/3/2021 0:25	46440.001	6.442	10.263	16.623
8/3/2021 0:26	46500.001	6.444	10.287	16.619
8/3/2021 0:27	46560.001	6.444	10.274	16.619

8/3/2021 0:28	46620.001	6.444	10.253	16.62
8/3/2021 0:29	46680.001	6.444	10.284	16.62
8/3/2021 0:30	46740.001	6.442	10.268	16.623
8/3/2021 0:31	46800.001	6.444	10.234	16.62
8/3/2021 0:32	46860.001	6.443	10.244	16.622
8/3/2021 0:33	46920.001	6.444	10.244	16.619
8/3/2021 0:34	46980.001	6.443	10.233	16.621
8/3/2021 0:35	47040.001	6.443	10.268	16.622
8/3/2021 0:36	47100.001	6.444	10.257	16.618
8/3/2021 0:37	47160.001	6.444	10.232	16.62
8/3/2021 0:38	47220.001	6.445	10.265	16.616
8/3/2021 0:39	47280.001	6.446	10.262	16.616
8/3/2021 0:40	47340.001	6.443	10.264	16.622
8/3/2021 0:41	47400.001	6.444	10.258	16.619
8/3/2021 0:42	47460.001	6.444	10.239	16.62
8/3/2021 0:43	47520.001	6.445	10.26	16.617
8/3/2021 0:44	47580.001	6.443	10.284	16.622
8/3/2021 0:45	47640.001	6.442	10.232	16.624
8/3/2021 0:46	47700.001	6.443	10.256	16.621
8/3/2021 0:47	47760.001	6.445	10.257	16.618
8/3/2021 0:48	47820.001	6.444	10.256	16.62
8/3/2021 0:49	47880.001	6.442	10.246	16.625
8/3/2021 0:50	47940.001	6.443	10.253	16.621
8/3/2021 0:51	48000.001	6.443	10.274	16.622
8/3/2021 0:52	48060.001	6.446	10.272	16.615
8/3/2021 0:53	48120.001	6.442	10.254	16.624
8/3/2021 0:54	48180.001	6.443	10.254	16.622
8/3/2021 0:55	48240.001	6.444	10.267	16.619
8/3/2021 0:56	48300.001	6.441	10.267	16.625
8/3/2021 0:57	48360.001	6.441	10.27	16.625
8/3/2021 0:58	48420.001	6.442	10.257	16.625
8/3/2021 0:59	48480.001	6.442	10.247	16.625
8/3/2021 1:00	48540.001	6.441	10.281	16.625
8/3/2021 1:01	48600.001	6.442	10.239	16.624
8/3/2021 1:02	48660.001	6.441	10.258	16.627
8/3/2021 1:03	48720.001	6.445	10.263	16.618
8/3/2021 1:04	48780.001	6.442	10.261	16.623
8/3/2021 1:05	48840.001	6.444	10.275	16.619
8/3/2021 1:06	48900.001	6.444	10.244	16.62
8/3/2021 1:07	48960.001	6.441	10.27	16.627
8/3/2021 1:08	49020.001	6.442	10.229	16.624
8/3/2021 1:09	49080.001	6.443	10.264	16.621
8/3/2021 1:10	49140.001	6.444	10.253	16.62
8/3/2021 1:11	49200.001	6.443	10.271	16.622
8/3/2021 1:12	49260.001	6.443	10.248	16.621
8/3/2021 1:13	49320.001	6.444	10.27	16.62
8/3/2021 1:14	49380.001	6.444	10.266	16.62
8/3/2021 1:15	49440.001	6.443	10.271	16.621
8/3/2021 1:16	49500.001	6.443	10.264	16.621
8/3/2021 1:17	49560.001	6.442	10.261	16.624
8/3/2021 1:18	49620.001	6.445	10.265	16.617
8/3/2021 1:19	49680.001	6.442	10.253	16.623
8/3/2021 1:20	49740.001	6.445	10.261	16.618

8/3/2021 1:21	49800.001	6.443	10.246	16.622
8/3/2021 1:22	49860.001	6.444	10.254	16.62
8/3/2021 1:23	49920.001	6.446	10.27	16.615
8/3/2021 1:24	49980.001	6.445	10.292	16.616
8/3/2021 1:25	50040.001	6.445	10.273	16.617
8/3/2021 1:26	50100.001	6.444	10.249	16.618
8/3/2021 1:27	50160.001	6.443	10.242	16.622
8/3/2021 1:28	50220.001	6.445	10.264	16.616
8/3/2021 1:29	50280.001	6.446	10.26	16.615
8/3/2021 1:30	50340.001	6.445	10.234	16.618
8/3/2021 1:31	50400.001	6.442	10.258	16.623
8/3/2021 1:32	50460.001	6.447	10.272	16.613
8/3/2021 1:33	50520.001	6.445	10.244	16.617
8/3/2021 1:34	50580.001	6.447	10.288	16.612
8/3/2021 1:35	50640.001	6.445	10.263	16.617
8/3/2021 1:36	50700.001	6.448	10.25	16.61
8/3/2021 1:37	50760.001	6.444	10.231	16.619
8/3/2021 1:38	50820.001	6.444	10.261	16.619
8/3/2021 1:39	50880.001	6.446	10.237	16.614
8/3/2021 1:40	50940.001	6.443	10.246	16.621
8/3/2021 1:41	51000.001	6.445	10.273	16.617
8/3/2021 1:42	51060.001	6.447	10.256	16.612
8/3/2021 1:43	51120.001	6.446	10.253	16.615
8/3/2021 1:44	51180.001	6.444	10.242	16.619
8/3/2021 1:45	51240.001	6.446	10.233	16.615
8/3/2021 1:46	51300.001	6.447	10.244	16.612
8/3/2021 1:47	51360.001	6.446	10.279	16.615
8/3/2021 1:48	51420.001	6.448	10.233	16.609
8/3/2021 1:49	51480.001	6.447	10.238	16.613
8/3/2021 1:50	51540.001	6.445	10.279	16.617
8/3/2021 1:51	51600.001	6.448	10.245	16.61
8/3/2021 1:52	51660.001	6.446	10.231	16.614
8/3/2021 1:53	51720.001	6.448	10.242	16.611
8/3/2021 1:54	51780.001	6.446	10.281	16.614
8/3/2021 1:55	51840.001	6.445	10.26	16.616
8/3/2021 1:56	51900.001	6.445	10.259	16.617
8/3/2021 1:57	51960.001	6.448	10.256	16.609
8/3/2021 1:58	52020.001	6.447	10.256	16.613
8/3/2021 1:59	52080.001	6.446	10.264	16.614
8/3/2021 2:00	52140.001	6.444	10.27	16.619
8/3/2021 2:01	52200.001	6.446	10.248	16.615
8/3/2021 2:02	52260.001	6.445	10.259	16.618
8/3/2021 2:03	52320.001	6.441	10.255	16.625
8/3/2021 2:04	52380.001	6.443	10.263	16.622
8/3/2021 2:05	52440.001	6.443	10.27	16.622
8/3/2021 2:06	52500.001	6.44	10.273	16.628
8/3/2021 2:07	52560.001	6.441	10.246	16.627
8/3/2021 2:08	52620.001	6.443	10.244	16.622
8/3/2021 2:09	52680.001	6.438	10.253	16.633
8/3/2021 2:10	52740.001	6.44	10.271	16.629
8/3/2021 2:11	52800.001	6.44	10.244	16.629
8/3/2021 2:12	52860.001	6.441	10.256	16.627
8/3/2021 2:13	52920.001	6.437	10.239	16.635

8/3/2021 2:14	52980.001	6.436	10.262	16.639
8/3/2021 2:15	53040.001	6.436	10.271	16.637
8/3/2021 2:16	53100.001	6.435	10.265	16.64
8/3/2021 2:17	53160.001	6.436	10.218	16.639
8/3/2021 2:18	53220.001	6.434	10.278	16.643
8/3/2021 2:19	53280.001	6.435	10.25	16.639
8/3/2021 2:20	53340.001	6.434	10.247	16.643
8/3/2021 2:21	53400.001	6.436	10.278	16.638
8/3/2021 2:22	53460.001	6.433	10.239	16.644
8/3/2021 2:23	53520.001	6.433	10.242	16.644
8/3/2021 2:24	53580.001	6.434	10.247	16.642
8/3/2021 2:25	53640.001	6.432	10.253	16.646
8/3/2021 2:26	53700.001	6.435	10.253	16.64
8/3/2021 2:27	53760.001	6.433	10.27	16.644
8/3/2021 2:28	53820.001	6.432	10.251	16.646
8/3/2021 2:29	53880.001	6.433	10.247	16.645
8/3/2021 2:30	53940.001	6.432	10.249	16.648
8/3/2021 2:31	54000.001	6.434	10.258	16.641
8/3/2021 2:32	54060.001	6.434	10.258	16.643
8/3/2021 2:33	54120.001	6.434	10.249	16.643
8/3/2021 2:34	54180.001	6.433	10.249	16.644
8/3/2021 2:35	54240.001	6.434	10.274	16.643
8/3/2021 2:36	54300.001	6.434	10.256	16.642
8/3/2021 2:37	54360.001	6.435	10.264	16.641
8/3/2021 2:38	54420.001	6.433	10.251	16.645
8/3/2021 2:39	54480.001	6.431	10.269	16.65
8/3/2021 2:40	54540.001	6.434	10.26	16.642
8/3/2021 2:41	54600.001	6.432	10.262	16.647
8/3/2021 2:42	54660.001	6.435	10.252	16.64
8/3/2021 2:43	54720.001	6.433	10.252	16.646
8/3/2021 2:44	54780.001	6.433	10.246	16.644
8/3/2021 2:45	54840.001	6.434	10.262	16.643
8/3/2021 2:46	54900.001	6.432	10.272	16.647
8/3/2021 2:47	54960.001	6.434	10.273	16.643
8/3/2021 2:48	55020.001	6.433	10.266	16.645
8/3/2021 2:49	55080.001	6.432	10.24	16.648
8/3/2021 2:50	55140.001	6.434	10.233	16.642
8/3/2021 2:51	55200.001	6.434	10.268	16.643
8/3/2021 2:52	55260.001	6.432	10.241	16.647
8/3/2021 2:53	55320.001	6.432	10.275	16.647
8/3/2021 2:54	55380.001	6.432	10.264	16.647
8/3/2021 2:55	55440.001	6.435	10.251	16.639
8/3/2021 2:56	55500.001	6.435	10.267	16.641
8/3/2021 2:57	55560.001	6.433	10.275	16.645
8/3/2021 2:58	55620.001	6.433	10.278	16.646
8/3/2021 2:59	55680.001	6.435	10.264	16.641
8/3/2021 3:00	55740.001	6.433	10.24	16.644
8/3/2021 3:01	55800.001	6.435	10.276	16.639
8/3/2021 3:02	55860.001	6.433	10.259	16.646
8/3/2021 3:03	55920.001	6.434	10.26	16.641
8/3/2021 3:04	55980.001	6.434	10.26	16.642
8/3/2021 3:05	56040.001	6.433	10.258	16.644
8/3/2021 3:06	56100.001	6.432	10.249	16.647

8/3/2021 3:07	56160.001	6.432	10.247	16.647
8/3/2021 3:08	56220.001	6.432	10.283	16.647
8/3/2021 3:09	56280.001	6.432	10.261	16.647
8/3/2021 3:10	56340.001	6.434	10.243	16.643
8/3/2021 3:11	56400.001	6.429	10.248	16.655
8/3/2021 3:12	56460.001	6.422	10.253	16.67
8/3/2021 3:13	56520.001	6.421	10.242	16.673
8/3/2021 3:14	56580.001	6.424	10.27	16.666
8/3/2021 3:15	56640.001	6.423	10.243	16.668
8/3/2021 3:16	56700.001	6.421	10.262	16.673
8/3/2021 3:17	56760.001	6.422	10.25	16.671
8/3/2021 3:18	56820.001	6.423	10.25	16.669
8/3/2021 3:19	56880.001	6.42	10.25	16.674
8/3/2021 3:20	56940.001	6.42	10.268	16.675
8/3/2021 3:21	57000.001	6.421	10.277	16.673
8/3/2021 3:22	57060.001	6.423	10.266	16.667
8/3/2021 3:23	57120.001	6.42	10.243	16.675
8/3/2021 3:24	57180.001	6.42	10.266	16.675
8/3/2021 3:25	57240.001	6.42	10.25	16.675
8/3/2021 3:26	57300.001	6.42	10.258	16.675
8/3/2021 3:27	57360.001	6.417	10.265	16.682
8/3/2021 3:28	57420.001	6.419	10.271	16.676
8/3/2021 3:29	57480.001	6.419	10.25	16.677
8/3/2021 3:30	57540.001	6.418	10.25	16.68
8/3/2021 3:31	57600.001	6.417	10.244	16.682
8/3/2021 3:32	57660.001	6.418	10.242	16.679
8/3/2021 3:33	57720.001	6.419	10.247	16.678
8/3/2021 3:34	57780.001	6.417	10.28	16.681
8/3/2021 3:35	57840.001	6.417	10.261	16.681
8/3/2021 3:36	57900.001	6.416	10.267	16.683
8/3/2021 3:37	57960.001	6.419	10.225	16.678
8/3/2021 3:38	58020.001	6.416	10.256	16.683
8/3/2021 3:39	58080.001	6.417	10.273	16.682
8/3/2021 3:40	58140.001	6.417	10.247	16.681
8/3/2021 3:41	58200.001	6.419	10.273	16.677
8/3/2021 3:42	58260.001	6.417	10.249	16.682
8/3/2021 3:43	58320.001	6.419	10.281	16.678
8/3/2021 3:44	58380.001	6.412	10.254	16.692
8/3/2021 3:45	58440.001	6.414	10.252	16.688
8/3/2021 3:46	58500.001	6.416	10.253	16.683
8/3/2021 3:47	58560.001	6.416	10.229	16.685
8/3/2021 3:48	58620.001	6.415	10.243	16.686
8/3/2021 3:49	58680.001	6.414	10.262	16.689
8/3/2021 3:50	58740.001	6.418	10.27	16.68
8/3/2021 3:51	58800.001	6.413	10.246	16.69
8/3/2021 3:52	58860.001	6.413	10.253	16.69
8/3/2021 3:53	58920.001	6.413	10.258	16.69
8/3/2021 3:54	58980.001	6.415	10.256	16.686
8/3/2021 3:55	59040.001	6.413	10.253	16.691
8/3/2021 3:56	59100.001	6.414	10.241	16.689
8/3/2021 3:57	59160.001	6.415	10.264	16.686
8/3/2021 3:58	59220.001	6.414	10.253	16.689
8/3/2021 3:59	59280.001	6.415	10.256	16.687

8/3/2021 4:00	59340.001	6.412	10.262	16.693
8/3/2021 4:01	59400.001	6.412	10.267	16.694
8/3/2021 4:02	59460.001	6.413	10.273	16.69
8/3/2021 4:03	59520.001	6.412	10.27	16.693
8/3/2021 4:04	59580.001	6.413	10.25	16.691
8/3/2021 4:05	59640.001	6.412	10.266	16.693
8/3/2021 4:06	59700.001	6.411	10.247	16.696
8/3/2021 4:07	59760.001	6.411	10.256	16.695
8/3/2021 4:08	59820.001	6.412	10.244	16.693
8/3/2021 4:09	59880.001	6.412	10.254	16.693
8/3/2021 4:10	59940.001	6.411	10.268	16.695
8/3/2021 4:11	60000.001	6.41	10.271	16.697
8/3/2021 4:12	60060.001	6.411	10.261	16.696
8/3/2021 4:13	60120.001	6.411	10.273	16.696
8/3/2021 4:14	60180.001	6.41	10.256	16.697
8/3/2021 4:15	60240.001	6.411	10.251	16.696
8/3/2021 4:16	60300.001	6.413	10.234	16.691
8/3/2021 4:17	60360.001	6.41	10.267	16.697
8/3/2021 4:18	60420.001	6.411	10.263	16.695
8/3/2021 4:19	60480.001	6.409	10.231	16.7
8/3/2021 4:20	60540.001	6.411	10.245	16.695
8/3/2021 4:21	60600.001	6.408	10.278	16.702
8/3/2021 4:22	60660.001	6.409	10.269	16.701
8/3/2021 4:23	60720.001	6.41	10.249	16.698
8/3/2021 4:24	60780.001	6.407	10.255	16.704
8/3/2021 4:25	60840.001	6.409	10.277	16.7
8/3/2021 4:26	60900.001	6.409	10.249	16.7
8/3/2021 4:27	60960.001	6.408	10.256	16.702
8/3/2021 4:28	61020.001	6.409	10.275	16.701
8/3/2021 4:29	61080.001	6.407	10.25	16.704
8/3/2021 4:30	61140.001	6.408	10.263	16.702
8/3/2021 4:31	61200.001	6.409	10.265	16.7
8/3/2021 4:32	61260.001	6.408	10.26	16.702
8/3/2021 4:33	61320.001	6.408	10.263	16.702
8/3/2021 4:34	61380.001	6.407	10.264	16.706
8/3/2021 4:35	61440.001	6.407	10.223	16.704
8/3/2021 4:36	61500.001	6.407	10.264	16.705
8/3/2021 4:37	61560.001	6.408	10.246	16.702
8/3/2021 4:38	61620.001	6.409	10.258	16.701
8/3/2021 4:39	61680.001	6.407	10.257	16.705
8/3/2021 4:40	61740.001	6.407	10.239	16.704
8/3/2021 4:41	61800.001	6.406	10.264	16.707
8/3/2021 4:42	61860.001	6.407	10.242	16.704
8/3/2021 4:43	61920.001	6.405	10.253	16.709
8/3/2021 4:44	61980.001	6.406	10.255	16.707
8/3/2021 4:45	62040.001	6.406	10.26	16.706
8/3/2021 4:46	62100.001	6.408	10.265	16.703
8/3/2021 4:47	62160.001	6.406	10.247	16.707
8/3/2021 4:48	62220.001	6.405	10.276	16.709
8/3/2021 4:49	62280.001	6.406	10.265	16.707
8/3/2021 4:50	62340.001	6.405	10.242	16.709
8/3/2021 4:51	62400.001	6.404	10.268	16.712
8/3/2021 4:52	62460.001	6.404	10.249	16.712

8/3/2021 4:53	62520.001	6.402	10.29	16.715
8/3/2021 4:54	62580.001	6.404	10.279	16.712
8/3/2021 4:55	62640.001	6.404	10.254	16.713
8/3/2021 4:56	62700.001	6.404	10.253	16.712
8/3/2021 4:57	62760.001	6.403	10.238	16.714
8/3/2021 4:58	62820.001	6.402	10.261	16.716
8/3/2021 4:59	62880.001	6.403	10.261	16.713
8/3/2021 5:00	62940.001	6.4	10.254	16.72
8/3/2021 5:01	63000.001	6.399	10.254	16.722
8/3/2021 5:02	63060.001	6.399	10.231	16.722
8/3/2021 5:03	63120.001	6.397	10.289	16.727
8/3/2021 5:04	63180.001	6.396	10.259	16.73
8/3/2021 5:05	63240.001	6.398	10.248	16.725
8/3/2021 5:06	63300.001	6.401	10.274	16.718
8/3/2021 5:07	63360.001	6.398	10.25	16.726
8/3/2021 5:08	63420.001	6.397	10.256	16.727
8/3/2021 5:09	63480.001	6.397	10.253	16.728
8/3/2021 5:10	63540.001	6.399	10.244	16.722
8/3/2021 5:11	63600.001	6.398	10.244	16.725
8/3/2021 5:12	63660.001	6.395	10.259	16.732
8/3/2021 5:13	63720.001	6.397	10.243	16.728
8/3/2021 5:14	63780.001	6.395	10.233	16.733
8/3/2021 5:15	63840.001	6.397	10.263	16.727
8/3/2021 5:16	63900.001	6.395	10.254	16.732
8/3/2021 5:17	63960.001	6.395	10.247	16.732
8/3/2021 5:18	64020.001	6.397	10.273	16.727
8/3/2021 5:19	64080.001	6.398	10.269	16.725
8/3/2021 5:20	64140.001	6.396	10.26	16.73
8/3/2021 5:21	64200.001	6.398	10.241	16.725
8/3/2021 5:22	64260.001	6.396	10.282	16.731
8/3/2021 5:23	64320.001	6.396	10.266	16.731
8/3/2021 5:24	64380.001	6.396	10.243	16.729
8/3/2021 5:25	64440.001	6.395	10.254	16.732
8/3/2021 5:26	64500.001	6.394	10.29	16.735
8/3/2021 5:27	64560.001	6.395	10.276	16.734
8/3/2021 5:28	64620.001	6.395	10.254	16.732
8/3/2021 5:29	64680.001	6.393	10.256	16.737
8/3/2021 5:30	64740.001	6.395	10.23	16.732
8/3/2021 5:31	64800.001	6.395	10.247	16.733
8/3/2021 5:32	64860.001	6.395	10.27	16.733
8/3/2021 5:33	64920.001	6.394	10.264	16.734
8/3/2021 5:34	64980.001	6.393	10.266	16.737
8/3/2021 5:35	65040.001	6.395	10.248	16.732
8/3/2021 5:36	65100.001	6.395	10.243	16.733
8/3/2021 5:37	65160.001	6.395	10.239	16.734
8/3/2021 5:38	65220.001	6.393	10.256	16.738
8/3/2021 5:39	65280.001	6.392	10.239	16.739
8/3/2021 5:40	65340.001	6.394	10.265	16.734
8/3/2021 5:41	65400.001	6.392	10.281	16.74
8/3/2021 5:42	65460.001	6.393	10.242	16.738
8/3/2021 5:43	65520.001	6.395	10.252	16.733
8/3/2021 5:44	65580.001	6.395	10.254	16.732
8/3/2021 5:45	65640.001	6.393	10.272	16.737

8/3/2021 5:46	65700.001	6.394	10.263	16.736
8/3/2021 5:47	65760.001	6.393	10.261	16.736
8/3/2021 5:48	65820.001	6.395	10.257	16.731
8/3/2021 5:49	65880.001	6.392	10.267	16.739
8/3/2021 5:50	65940.001	6.391	10.256	16.743
8/3/2021 5:51	66000.001	6.395	10.236	16.732
8/3/2021 5:52	66060.001	6.393	10.257	16.737
8/3/2021 5:53	66120.001	6.392	10.234	16.739
8/3/2021 5:54	66180.001	6.394	10.271	16.734
8/3/2021 5:55	66240.001	6.394	10.264	16.734
8/3/2021 5:56	66300.001	6.393	10.26	16.737
8/3/2021 5:57	66360.001	6.393	10.287	16.736
8/3/2021 5:58	66420.001	6.39	10.281	16.744
8/3/2021 5:59	66480.001	6.392	10.25	16.74
8/3/2021 6:00	66540.001	6.394	10.261	16.735
8/3/2021 6:01	66600.001	6.392	10.258	16.739
8/3/2021 6:02	66660.001	6.392	10.255	16.74
8/3/2021 6:03	66720.001	6.393	10.256	16.738
8/3/2021 6:04	66780.001	6.395	10.27	16.732
8/3/2021 6:05	66840.001	6.392	10.259	16.739
8/3/2021 6:06	66900.001	6.392	10.274	16.739
8/3/2021 6:07	66960.001	6.396	10.241	16.731
8/3/2021 6:08	67020.001	6.393	10.27	16.737
8/3/2021 6:09	67080.001	6.394	10.265	16.735
8/3/2021 6:10	67140.001	6.394	10.244	16.734
8/3/2021 6:11	67200.001	6.393	10.272	16.737
8/3/2021 6:12	67260.001	6.392	10.25	16.739
8/3/2021 6:13	67320.001	6.392	10.254	16.739
8/3/2021 6:14	67380.001	6.394	10.255	16.735
8/3/2021 6:15	67440.001	6.395	10.259	16.732
8/3/2021 6:16	67500.001	6.395	10.239	16.732
8/3/2021 6:17	67560.001	6.393	10.25	16.737
8/3/2021 6:18	67620.001	6.395	10.248	16.732
8/3/2021 6:19	67680.001	6.392	10.247	16.738
8/3/2021 6:20	67740.001	6.393	10.255	16.737
8/3/2021 6:21	67800.001	6.394	10.273	16.735
8/3/2021 6:22	67860.001	6.394	10.259	16.736
8/3/2021 6:23	67920.001	6.393	10.258	16.737
8/3/2021 6:24	67980.001	6.392	10.255	16.739
8/3/2021 6:25	68040.001	6.393	10.257	16.737
8/3/2021 6:26	68100.001	6.392	10.251	16.739
8/3/2021 6:27	68160.001	6.395	10.272	16.732
8/3/2021 6:28	68220.001	6.394	10.271	16.735
8/3/2021 6:29	68280.001	6.391	10.255	16.741
8/3/2021 6:30	68340.001	6.392	10.256	16.739
8/3/2021 6:31	68400.001	6.392	10.261	16.74
8/3/2021 6:32	68460.001	6.393	10.276	16.738
8/3/2021 6:33	68520.001	6.393	10.253	16.736
8/3/2021 6:34	68580.001	6.396	10.273	16.73
8/3/2021 6:35	68640.001	6.397	10.281	16.728
8/3/2021 6:36	68700.001	6.393	10.267	16.738
8/3/2021 6:37	68760.001	6.394	10.264	16.736
8/3/2021 6:38	68820.001	6.394	10.261	16.734

8/3/2021 6:39	68880.001	6.397	10.263	16.728
8/3/2021 6:40	68940.001	6.396	10.282	16.73
8/3/2021 6:41	69000.001	6.396	10.269	16.731
8/3/2021 6:42	69060.001	6.395	10.304	16.732
8/3/2021 6:43	69120.001	6.397	10.244	16.728
8/3/2021 6:44	69180.001	6.396	10.269	16.729
8/3/2021 6:45	69240.001	6.396	10.25	16.73
8/3/2021 6:46	69300.001	6.394	10.259	16.735
8/3/2021 6:47	69360.001	6.395	10.273	16.733
8/3/2021 6:48	69420.001	6.395	10.257	16.732
8/3/2021 6:49	69480.001	6.396	10.265	16.73
8/3/2021 6:50	69540.001	6.397	10.249	16.728
8/3/2021 6:51	69600.001	6.396	10.264	16.731
8/3/2021 6:52	69660.001	6.396	10.26	16.73
8/3/2021 6:53	69720.001	6.397	10.273	16.729
8/3/2021 6:54	69780.001	6.394	10.262	16.735
8/3/2021 6:55	69840.001	6.395	10.27	16.733
8/3/2021 6:56	69900.001	6.396	10.26	16.73
8/3/2021 6:57	69960.001	6.395	10.267	16.733
8/3/2021 6:58	70020.001	6.397	10.236	16.727
8/3/2021 6:59	70080.001	6.396	10.271	16.73
8/3/2021 7:00	70140.001	6.392	10.227	16.739
8/3/2021 7:01	70200.001	6.393	10.295	16.737
8/3/2021 7:02	70260.001	6.396	10.273	16.73
8/3/2021 7:03	70320.001	6.395	10.247	16.732
8/3/2021 7:04	70380.001	6.396	10.261	16.73
8/3/2021 7:05	70440.001	6.395	10.255	16.731
8/3/2021 7:06	70500.001	6.392	10.253	16.739

Report Date: 8/3/2021 8:10
Report User Name: OBI
Report Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.3.0

Log File Properties
File Name SP_21-3_PUMP 2021-08-03 07.59.15.wsl
Create Date 8/3/2021 7:59

Device Properties
Device Level TROLL 700
Site ROME LF
Device Name
Serial Number 707466

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 707466 Pressure (PSI)	Sensor: Pres(G) 35ft SN#: 707466 Temperature (C)	Sensor: Pres(G) 35ft SN#: 707466 Level Depth To Water (ft)
8/2/2021 11:56	0	5.998	10.791	9.389
8/2/2021 11:57	60.001	5.991	10.714	9.406
8/2/2021 11:58	120.001	5.989	10.582	9.411
8/2/2021 11:59	180.001	5.988	10.534	9.412
8/2/2021 12:00	240.001	5.99	10.472	9.408
8/2/2021 12:01	300.001	5.988	10.418	9.412
8/2/2021 12:02	360.001	5.989	10.38	9.41
8/2/2021 12:03	420.001	5.99	10.342	9.407
8/2/2021 12:04	480.001	5.99	10.311	9.408
8/2/2021 12:05	540.001	5.989	10.308	9.411
8/2/2021 12:06	600.001	5.993	10.293	9.402
8/2/2021 12:07	660.001	5.993	10.27	9.401
8/2/2021 12:08	720.001	5.993	10.251	9.401
8/2/2021 12:09	780.001	5.99	10.261	9.407
8/2/2021 12:10	840.001	5.989	10.239	9.41
8/2/2021 12:11	900.001	5.988	10.229	9.412
8/2/2021 12:12	960.001	5.99	10.212	9.408
8/2/2021 12:13	1020.001	5.99	10.224	9.407
8/2/2021 12:14	1080.001	5.992	10.226	9.403
8/2/2021 12:15	1140.001	5.993	10.21	9.402
8/2/2021 12:16	1200.001	5.988	10.209	9.413
8/2/2021 12:17	1260.001	5.991	10.183	9.405
8/2/2021 12:18	1320.001	5.99	10.209	9.408
8/2/2021 12:19	1380.001	5.991	10.209	9.405
8/2/2021 12:20	1440.001	5.992	10.159	9.403
8/2/2021 12:21	1500.001	5.989	10.168	9.41
8/2/2021 12:22	1560.001	5.99	10.183	9.409
8/2/2021 12:23	1620.001	5.991	10.181	9.405
8/2/2021 12:24	1680.001	5.992	10.156	9.403
8/2/2021 12:25	1740.001	5.99	10.159	9.408
8/2/2021 12:26	1800.001	5.992	10.164	9.404
8/2/2021 12:27	1860.001	5.992	10.183	9.404
8/2/2021 12:28	1920.001	5.99	10.159	9.407
8/2/2021 12:29	1980.001	5.991	10.145	9.405
8/2/2021 12:30	2040.001	5.992	10.147	9.404
8/2/2021 12:31	2100.001	5.993	10.14	9.4
8/2/2021 12:32	2160.001	5.989	10.157	9.411
8/2/2021 12:33	2220.001	5.993	10.115	9.401
8/2/2021 12:34	2280.001	5.989	10.156	9.411
8/2/2021 12:35	2340.001	5.989	10.146	9.409
8/2/2021 12:36	2400.001	5.991	10.15	9.406

8/2/2021 12:37	2460.001	5.991	10.131	9.406
8/2/2021 12:38	2520.001	5.992	10.13	9.403
8/2/2021 12:39	2580.001	5.992	10.102	9.403
8/2/2021 12:40	2640.001	5.992	10.135	9.403
8/2/2021 12:41	2700.001	5.99	10.138	9.409
8/2/2021 12:42	2760.001	5.993	10.107	9.402
8/2/2021 12:43	2820.001	5.99	10.131	9.407
8/2/2021 12:44	2880.001	5.991	10.134	9.406
8/2/2021 12:45	2940.001	5.991	10.125	9.406
8/2/2021 12:46	3000.001	5.99	10.133	9.408
8/2/2021 12:47	3060.001	5.991	10.09	9.405
8/2/2021 12:48	3120.001	5.99	10.107	9.407
8/2/2021 12:49	3180.001	5.99	10.096	9.408
8/2/2021 12:50	3240.001	5.991	10.135	9.407
8/2/2021 12:51	3300.001	5.993	10.12	9.402
8/2/2021 12:52	3360.001	5.993	10.112	9.401
8/2/2021 12:53	3420.001	5.994	10.14	9.4
8/2/2021 12:54	3480.001	5.993	10.1	9.401
8/2/2021 12:55	3540.001	5.994	10.116	9.398
8/2/2021 12:56	3600.001	5.993	10.116	9.402
8/2/2021 12:57	3660.001	5.991	10.105	9.405
8/2/2021 12:58	3720.001	5.99	10.112	9.407
8/2/2021 12:59	3780.001	5.991	10.096	9.407
8/2/2021 13:00	3840.001	5.992	10.093	9.404
8/2/2021 13:01	3900.001	5.992	10.111	9.403
8/2/2021 13:02	3960.001	5.99	10.11	9.408
8/2/2021 13:03	4020.001	5.992	10.104	9.404
8/2/2021 13:04	4080.001	5.99	10.1	9.408
8/2/2021 13:05	4140.001	5.993	10.094	9.402
8/2/2021 13:06	4200.001	5.993	10.096	9.402
8/2/2021 13:07	4260.001	5.993	10.129	9.402
8/2/2021 13:08	4320.001	5.99	10.115	9.408
8/2/2021 13:09	4380.001	5.992	10.09	9.404
8/2/2021 13:10	4440.001	5.992	10.104	9.404
8/2/2021 13:11	4500.001	5.991	10.122	9.405
8/2/2021 13:12	4560.001	5.993	10.101	9.402
8/2/2021 13:13	4620.001	5.991	10.095	9.406
8/2/2021 13:14	4680.001	5.99	10.109	9.407
8/2/2021 13:15	4740.001	5.99	10.104	9.409
8/2/2021 13:16	4800.001	5.991	10.121	9.405
8/2/2021 13:17	4860.001	5.993	10.107	9.4
8/2/2021 13:18	4920.001	5.99	10.113	9.407
8/2/2021 13:19	4980.001	5.99	10.107	9.408
8/2/2021 13:20	5040.001	5.99	10.082	9.409
8/2/2021 13:21	5100.001	5.991	10.113	9.406
8/2/2021 13:22	5160.001	5.993	10.115	9.402
8/2/2021 13:23	5220.001	5.991	10.104	9.406
8/2/2021 13:24	5280.001	5.992	10.107	9.405
8/2/2021 13:25	5340.001	5.993	10.09	9.401
8/2/2021 13:26	5400.001	5.99	10.126	9.408
8/2/2021 13:27	5460.001	5.992	10.103	9.404
8/2/2021 13:28	5520.001	5.99	10.067	9.409
8/2/2021 13:29	5580.001	5.989	10.085	9.409
8/2/2021 13:30	5640.001	5.99	10.123	9.407
8/2/2021 13:31	5700.001	5.99	10.116	9.409
8/2/2021 13:32	5760.001	5.989	10.095	9.411
8/2/2021 13:33	5820.001	5.99	10.092	9.409
8/2/2021 13:34	5880.001	5.99	10.106	9.407
8/2/2021 13:35	5940.001	5.988	10.122	9.412
8/2/2021 13:36	6000.001	5.988	10.114	9.412
8/2/2021 13:37	6060.001	5.988	10.093	9.413

8/2/2021 13:38	6120.001	5.99	10.084	9.408
8/2/2021 13:39	6180.001	5.992	10.111	9.403
8/2/2021 13:40	6240.001	5.991	10.091	9.405
8/2/2021 13:41	6300.001	5.99	10.12	9.408
8/2/2021 13:42	6360.001	5.99	10.093	9.409
8/2/2021 13:43	6420.001	5.994	10.106	9.399
8/2/2021 13:44	6480.001	5.99	10.074	9.408
8/2/2021 13:45	6540.001	5.99	10.106	9.407
8/2/2021 13:46	6600.001	5.991	10.073	9.406
8/2/2021 13:47	6660.001	5.99	10.102	9.409
8/2/2021 13:48	6720.001	5.989	10.11	9.411
8/2/2021 13:49	6780.001	5.99	10.08	9.407
8/2/2021 13:50	6840.001	5.99	10.096	9.409
8/2/2021 13:51	6900.001	5.989	10.113	9.411
8/2/2021 13:52	6960.001	5.991	10.07	9.407
8/2/2021 13:53	7020.001	5.991	10.111	9.405
8/2/2021 13:54	7080.001	5.99	10.101	9.409
8/2/2021 13:55	7140.001	5.99	10.075	9.409
8/2/2021 13:56	7200.001	5.992	10.1	9.404
8/2/2021 13:57	7260.001	5.99	10.081	9.409
8/2/2021 13:58	7320.001	5.99	10.096	9.408
8/2/2021 13:59	7380.001	5.992	10.1	9.405
8/2/2021 14:00	7440.001	5.991	10.096	9.405
8/2/2021 14:01	7500.001	5.991	10.075	9.406
8/2/2021 14:02	7560.001	5.992	10.088	9.402
8/2/2021 14:03	7620.001	5.991	10.104	9.406
8/2/2021 14:04	7680.001	5.99	10.105	9.407
8/2/2021 14:05	7740.001	5.991	10.093	9.406
8/2/2021 14:06	7800.001	5.99	10.133	9.409
8/2/2021 14:07	7860.001	5.99	10.074	9.408
8/2/2021 14:08	7920.001	5.991	10.128	9.406
8/2/2021 14:09	7980.001	5.989	10.093	9.411
8/2/2021 14:10	8040.001	5.989	10.089	9.41
8/2/2021 14:11	8100.001	5.989	10.09	9.41
8/2/2021 14:12	8160.001	5.989	10.095	9.41
8/2/2021 14:13	8220.001	5.99	10.077	9.409
8/2/2021 14:14	8280.001	5.988	10.117	9.412
8/2/2021 14:15	8340.001	5.989	10.081	9.409
8/2/2021 14:16	8400.001	5.988	10.075	9.413
8/2/2021 14:17	8460.001	5.988	10.118	9.413
8/2/2021 14:18	8520.001	5.989	10.099	9.411
8/2/2021 14:19	8580.001	5.988	10.116	9.413
8/2/2021 14:20	8640.001	5.986	10.089	9.417
8/2/2021 14:21	8700.001	5.988	10.103	9.414
8/2/2021 14:22	8760.001	5.991	10.096	9.406
8/2/2021 14:23	8820.001	5.99	10.072	9.408
8/2/2021 14:24	8880.001	5.99	10.075	9.408
8/2/2021 14:25	8940.001	5.988	10.093	9.412
8/2/2021 14:26	9000.001	5.988	10.072	9.412
8/2/2021 14:27	9060.001	5.989	10.1	9.41
8/2/2021 14:28	9120.001	5.99	10.07	9.409
8/2/2021 14:29	9180.001	5.99	10.064	9.408
8/2/2021 14:30	9240.001	5.988	10.108	9.412
8/2/2021 14:31	9300.001	5.989	10.118	9.41
8/2/2021 14:32	9360.001	5.988	10.086	9.413
8/2/2021 14:33	9420.001	5.988	10.081	9.414
8/2/2021 14:34	9480.001	5.99	10.095	9.408
8/2/2021 14:35	9540.001	5.986	10.122	9.416
8/2/2021 14:36	9600.001	5.989	10.096	9.409
8/2/2021 14:37	9660.001	5.988	10.093	9.414
8/2/2021 14:38	9720.001	5.988	10.095	9.413

8/2/2021 14:39	9780.001	5.988	10.092	9.413
8/2/2021 14:40	9840.001	5.987	10.09	9.414
8/2/2021 14:41	9900.001	5.989	10.105	9.411
8/2/2021 14:42	9960.001	5.987	10.101	9.416
8/2/2021 14:43	10020.001	5.986	10.081	9.417
8/2/2021 14:44	10080.001	5.986	10.106	9.417
8/2/2021 14:45	10140.001	5.987	10.11	9.415
8/2/2021 14:46	10200.001	5.987	10.082	9.415
8/2/2021 14:47	10260.001	5.989	10.108	9.41
8/2/2021 14:48	10320.001	5.988	10.099	9.412
8/2/2021 14:49	10380.001	5.987	10.116	9.414
8/2/2021 14:50	10440.001	5.986	10.107	9.416
8/2/2021 14:51	10500.001	5.988	10.09	9.412
8/2/2021 14:52	10560.001	5.988	10.098	9.412
8/2/2021 14:53	10620.001	5.99	10.101	9.409
8/2/2021 14:54	10680.001	5.989	10.084	9.411
8/2/2021 14:55	10740.001	5.988	10.096	9.412
8/2/2021 14:56	10800.001	5.986	10.09	9.417
8/2/2021 14:57	10860.001	5.988	10.114	9.413
8/2/2021 14:58	10920.001	5.989	10.107	9.41
8/2/2021 14:59	10980.001	5.989	10.091	9.409
8/2/2021 15:00	11040.001	5.988	10.081	9.414
8/2/2021 15:01	11100.001	5.988	10.114	9.412
8/2/2021 15:02	11160.001	5.985	10.096	9.418
8/2/2021 15:03	11220.001	5.989	10.055	9.41
8/2/2021 15:04	11280.001	5.988	10.116	9.412
8/2/2021 15:05	11340.001	5.989	10.099	9.41
8/2/2021 15:06	11400.001	5.985	10.089	9.419
8/2/2021 15:07	11460.001	5.988	10.089	9.412
8/2/2021 15:08	11520.001	5.986	10.079	9.418
8/2/2021 15:09	11580.001	5.986	10.099	9.417
8/2/2021 15:10	11640.001	5.987	10.113	9.414
8/2/2021 15:11	11700.001	5.988	10.084	9.413
8/2/2021 15:12	11760.001	5.99	10.11	9.409
8/2/2021 15:13	11820.001	5.984	10.093	9.421
8/2/2021 15:14	11880.001	5.987	10.088	9.415
8/2/2021 15:15	11940.001	5.987	10.129	9.414
8/2/2021 15:16	12000.001	5.99	10.111	9.408
8/2/2021 15:17	12060.001	5.988	10.121	9.412
8/2/2021 15:18	12120.001	5.988	10.119	9.414
8/2/2021 15:19	12180.001	5.986	10.133	9.418
8/2/2021 15:20	12240.001	5.987	10.09	9.414
8/2/2021 15:21	12300.001	5.985	10.08	9.419
8/2/2021 15:22	12360.001	5.986	10.104	9.418
8/2/2021 15:23	12420.001	5.988	10.094	9.412
8/2/2021 15:24	12480.001	5.986	10.09	9.416
8/2/2021 15:25	12540.001	5.986	10.125	9.418
8/2/2021 15:26	12600.001	5.986	10.107	9.417
8/2/2021 15:27	12660.001	5.987	10.105	9.416
8/2/2021 15:28	12720.001	5.986	10.11	9.418
8/2/2021 15:29	12780.001	5.986	10.086	9.418
8/2/2021 15:30	12840.001	5.987	10.072	9.416
8/2/2021 15:31	12900.001	5.986	10.08	9.418
8/2/2021 15:32	12960.001	5.986	10.099	9.417
8/2/2021 15:33	13020.001	5.987	10.104	9.415
8/2/2021 15:34	13080.001	5.985	10.106	9.421
8/2/2021 15:35	13140.001	5.986	10.078	9.416
8/2/2021 15:36	13200.001	5.986	10.11	9.418
8/2/2021 15:37	13260.001	5.986	10.103	9.417
8/2/2021 15:38	13320.001	5.987	10.107	9.415
8/2/2021 15:39	13380.001	5.987	10.078	9.414

8/2/2021 15:40	13440.001	5.986	10.095	9.416
8/2/2021 15:41	13500.001	5.986	10.09	9.417
8/2/2021 15:42	13560.001	5.985	10.086	9.419
8/2/2021 15:43	13620.001	5.987	10.098	9.415
8/2/2021 15:44	13680.001	5.986	10.093	9.417
8/2/2021 15:45	13740.001	5.986	10.072	9.417
8/2/2021 15:46	13800.001	5.987	10.069	9.414
8/2/2021 15:47	13860.001	5.984	10.088	9.422
8/2/2021 15:48	13920.001	5.987	10.107	9.414
8/2/2021 15:49	13980.001	5.985	10.081	9.42
8/2/2021 15:50	14040.001	5.987	10.086	9.415
8/2/2021 15:51	14100.001	5.985	10.1	9.42
8/2/2021 15:52	14160.001	5.987	10.077	9.414
8/2/2021 15:53	14220.001	5.985	10.113	9.421
8/2/2021 15:54	14280.001	5.985	10.074	9.419
8/2/2021 15:55	14340.001	5.985	10.09	9.418
8/2/2021 15:56	14400.001	5.988	10.101	9.414
8/2/2021 15:57	14460.001	5.988	10.093	9.412
8/2/2021 15:58	14520.001	5.987	10.096	9.416
8/2/2021 15:59	14580.001	5.987	10.12	9.416
8/2/2021 16:00	14640.001	5.985	10.11	9.419
8/2/2021 16:01	14700.001	5.988	10.11	9.414
8/2/2021 16:02	14760.001	5.988	10.122	9.412
8/2/2021 16:03	14820.001	5.986	10.097	9.416
8/2/2021 16:04	14880.001	5.984	10.094	9.422
8/2/2021 16:05	14940.001	5.983	10.086	9.424
8/2/2021 16:06	15000.001	5.985	10.098	9.419
8/2/2021 16:07	15060.001	5.984	10.105	9.422
8/2/2021 16:08	15120.001	5.987	10.117	9.415
8/2/2021 16:09	15180.001	5.988	10.085	9.414
8/2/2021 16:10	15240.001	5.986	10.089	9.417
8/2/2021 16:11	15300.001	5.985	10.088	9.419
8/2/2021 16:12	15360.001	5.983	10.112	9.425
8/2/2021 16:13	15420.001	5.983	10.091	9.424
8/2/2021 16:14	15480.001	5.986	10.099	9.418
8/2/2021 16:15	15540.001	5.985	10.125	9.419
8/2/2021 16:16	15600.001	5.985	10.12	9.42
8/2/2021 16:17	15660.001	5.986	10.107	9.418
8/2/2021 16:18	15720.001	5.984	10.093	9.421
8/2/2021 16:19	15780.001	5.986	10.119	9.417
8/2/2021 16:20	15840.001	5.985	10.087	9.42
8/2/2021 16:21	15900.001	5.987	10.099	9.415
8/2/2021 16:22	15960.001	5.986	10.099	9.416
8/2/2021 16:23	16020.001	5.986	10.109	9.417
8/2/2021 16:24	16080.001	5.986	10.102	9.418
8/2/2021 16:25	16140.001	5.985	10.113	9.421
8/2/2021 16:26	16200.001	5.984	10.095	9.422
8/2/2021 16:27	16260.001	5.984	10.104	9.421
8/2/2021 16:28	16320.001	5.985	10.099	9.42
8/2/2021 16:29	16380.001	5.988	10.116	9.413
8/2/2021 16:30	16440.001	5.985	10.093	9.419
8/2/2021 16:31	16500.001	5.983	10.089	9.424
8/2/2021 16:32	16560.001	5.984	10.124	9.421
8/2/2021 16:33	16620.001	5.985	10.089	9.418
8/2/2021 16:34	16680.001	5.983	10.07	9.424
8/2/2021 16:35	16740.001	5.986	10.102	9.418
8/2/2021 16:36	16800.001	5.984	10.091	9.422
8/2/2021 16:37	16860.001	5.985	10.09	9.42
8/2/2021 16:38	16920.001	5.985	10.101	9.419
8/2/2021 16:39	16980.001	5.986	10.129	9.418
8/2/2021 16:40	17040.001	5.985	10.091	9.418

8/2/2021 16:41	17100.001	5.985	10.107	9.421
8/2/2021 16:42	17160.001	5.985	10.096	9.42
8/2/2021 16:43	17220.001	5.984	10.097	9.422
8/2/2021 16:44	17280.001	5.985	10.093	9.421
8/2/2021 16:45	17340.001	5.986	10.085	9.418
8/2/2021 16:46	17400.001	5.986	10.113	9.416
8/2/2021 16:47	17460.001	5.985	10.099	9.419
8/2/2021 16:48	17520.001	5.984	10.098	9.423
8/2/2021 16:49	17580.001	5.984	10.101	9.421
8/2/2021 16:50	17640.001	5.984	10.107	9.422
8/2/2021 16:51	17700.001	5.983	10.118	9.424
8/2/2021 16:52	17760.001	5.986	10.095	9.417
8/2/2021 16:53	17820.001	5.985	10.14	9.42
8/2/2021 16:54	17880.001	5.985	10.099	9.419
8/2/2021 16:55	17940.001	5.985	10.123	9.42
8/2/2021 16:56	18000.001	5.985	10.087	9.419
8/2/2021 16:57	18060.001	5.983	10.096	9.423
8/2/2021 16:58	18120.001	5.982	10.071	9.426
8/2/2021 16:59	18180.001	5.983	10.094	9.424
8/2/2021 17:00	18240.001	5.985	10.066	9.42
8/2/2021 17:01	18300.001	5.985	10.132	9.419
8/2/2021 17:02	18360.001	5.986	10.078	9.416
8/2/2021 17:03	18420.001	5.984	10.087	9.422
8/2/2021 17:04	18480.001	5.985	10.093	9.419
8/2/2021 17:05	18540.001	5.984	10.102	9.421
8/2/2021 17:06	18600.001	5.984	10.102	9.423
8/2/2021 17:07	18660.001	5.984	10.088	9.423
8/2/2021 17:08	18720.001	5.982	10.116	9.426
8/2/2021 17:09	18780.001	5.983	10.073	9.423
8/2/2021 17:10	18840.001	5.985	10.09	9.42
8/2/2021 17:11	18900.001	5.983	10.092	9.423
8/2/2021 17:12	18960.001	5.984	10.107	9.422
8/2/2021 17:13	19020.001	5.985	10.113	9.421
8/2/2021 17:14	19080.001	5.985	10.1	9.419
8/2/2021 17:15	19140.001	5.983	10.099	9.425
8/2/2021 17:16	19200.001	5.982	10.065	9.426
8/2/2021 17:17	19260.001	5.983	10.112	9.423
8/2/2021 17:18	19320.001	5.98	10.085	9.43
8/2/2021 17:19	19380.001	5.985	10.113	9.419
8/2/2021 17:20	19440.001	5.982	10.08	9.426
8/2/2021 17:21	19500.001	5.986	10.133	9.417
8/2/2021 17:22	19560.001	5.982	10.094	9.426
8/2/2021 17:23	19620.001	5.983	10.115	9.425
8/2/2021 17:24	19680.001	5.985	10.127	9.421
8/2/2021 17:25	19740.001	5.982	10.089	9.426
8/2/2021 17:26	19800.001	5.983	10.075	9.423
8/2/2021 17:27	19860.001	5.984	10.108	9.423
8/2/2021 17:28	19920.001	5.982	10.106	9.426
8/2/2021 17:29	19980.001	5.984	10.082	9.422
8/2/2021 17:30	20040.001	5.983	10.087	9.424
8/2/2021 17:31	20100.001	5.984	10.087	9.421
8/2/2021 17:32	20160.001	5.982	10.093	9.426
8/2/2021 17:33	20220.001	5.984	10.105	9.422
8/2/2021 17:34	20280.001	5.982	10.096	9.426
8/2/2021 17:35	20340.001	5.984	10.118	9.423
8/2/2021 17:36	20400.001	5.984	10.097	9.421
8/2/2021 17:37	20460.001	5.984	10.114	9.421
8/2/2021 17:38	20520.001	5.984	10.09	9.421
8/2/2021 17:39	20580.001	5.983	10.091	9.424
8/2/2021 17:40	20640.001	5.985	10.124	9.421
8/2/2021 17:41	20700.001	5.984	10.117	9.421

8/2/2021 17:42	20760.001	5.985	10.089	9.42
8/2/2021 17:43	20820.001	5.985	10.086	9.421
8/2/2021 17:44	20880.001	5.983	10.128	9.425
8/2/2021 17:45	20940.001	5.985	10.123	9.419
8/2/2021 17:46	21000.001	5.984	10.091	9.422
8/2/2021 17:47	21060.001	5.986	10.101	9.416
8/2/2021 17:48	21120.001	5.982	10.105	9.427
8/2/2021 17:49	21180.001	5.983	10.1	9.423
8/2/2021 17:50	21240.001	5.985	10.093	9.421
8/2/2021 17:51	21300.001	5.984	10.108	9.421
8/2/2021 17:52	21360.001	5.982	10.067	9.427
8/2/2021 17:53	21420.001	5.981	10.086	9.429
8/2/2021 17:54	21480.001	5.985	10.116	9.421
8/2/2021 17:55	21540.001	5.984	10.14	9.422
8/2/2021 17:56	21600.001	5.983	10.096	9.425
8/2/2021 17:57	21660.001	5.985	10.087	9.42
8/2/2021 17:58	21720.001	5.984	10.112	9.422
8/2/2021 17:59	21780.001	5.984	10.119	9.422
8/2/2021 18:00	21840.001	5.984	10.1	9.422
8/2/2021 18:01	21900.001	5.985	10.078	9.419
8/2/2021 18:02	21960.001	5.98	10.108	9.431
8/2/2021 18:03	22020.001	5.981	10.118	9.428
8/2/2021 18:04	22080.001	5.982	10.113	9.426
8/2/2021 18:05	22140.001	5.983	10.111	9.424
8/2/2021 18:06	22200.001	5.984	10.096	9.422
8/2/2021 18:07	22260.001	5.984	10.08	9.423
8/2/2021 18:08	22320.001	5.984	10.089	9.423
8/2/2021 18:09	22380.001	5.984	10.091	9.422
8/2/2021 18:10	22440.001	5.982	10.078	9.426
8/2/2021 18:11	22500.001	5.983	10.084	9.424
8/2/2021 18:12	22560.001	5.98	10.099	9.432
8/2/2021 18:13	22620.001	5.983	10.089	9.425
8/2/2021 18:14	22680.001	5.98	10.11	9.431
8/2/2021 18:15	22740.001	5.983	10.099	9.425
8/2/2021 18:16	22800.001	5.986	10.119	9.418
8/2/2021 18:17	22860.001	5.983	10.093	9.425
8/2/2021 18:18	22920.001	5.982	10.112	9.426
8/2/2021 18:19	22980.001	5.983	10.094	9.425
8/2/2021 18:20	23040.001	5.982	10.104	9.426
8/2/2021 18:21	23100.001	5.982	10.119	9.426
8/2/2021 18:22	23160.001	5.983	10.124	9.425
8/2/2021 18:23	23220.001	5.984	10.078	9.423
8/2/2021 18:24	23280.001	5.983	10.125	9.425
8/2/2021 18:25	23340.001	5.983	10.075	9.425
8/2/2021 18:26	23400.001	5.981	10.081	9.428
8/2/2021 18:27	23460.001	5.982	10.116	9.427
8/2/2021 18:28	23520.001	5.982	10.087	9.427
8/2/2021 18:29	23580.001	5.98	10.091	9.432
8/2/2021 18:30	23640.001	5.983	10.099	9.425
8/2/2021 18:31	23700.001	5.981	10.105	9.429
8/2/2021 18:32	23760.001	5.982	10.128	9.427
8/2/2021 18:33	23820.001	5.982	10.104	9.426
8/2/2021 18:34	23880.001	5.983	10.077	9.425
8/2/2021 18:35	23940.001	5.98	10.101	9.43
8/2/2021 18:36	24000.001	5.981	10.135	9.429
8/2/2021 18:37	24060.001	5.981	10.107	9.429
8/2/2021 18:38	24120.001	5.982	10.11	9.427
8/2/2021 18:39	24180.001	5.983	10.101	9.424
8/2/2021 18:40	24240.001	5.982	10.125	9.427
8/2/2021 18:41	24300.001	5.981	10.081	9.429
8/2/2021 18:42	24360.001	5.979	10.088	9.434

8/2/2021 18:43	24420.001	5.981	10.096	9.429
8/2/2021 18:44	24480.001	5.983	10.067	9.424
8/2/2021 18:45	24540.001	5.983	10.087	9.424
8/2/2021 18:46	24600.001	5.98	10.081	9.432
8/2/2021 18:47	24660.001	5.981	10.076	9.429
8/2/2021 18:48	24720.001	5.981	10.096	9.429
8/2/2021 18:49	24780.001	5.982	10.09	9.426
8/2/2021 18:50	24840.001	5.981	10.075	9.428
8/2/2021 18:51	24900.001	5.98	10.119	9.431
8/2/2021 18:52	24960.001	5.983	10.115	9.424
8/2/2021 18:53	25020.001	5.981	10.122	9.43
8/2/2021 18:54	25080.001	5.981	10.086	9.428
8/2/2021 18:55	25140.001	5.981	10.114	9.429
8/2/2021 18:56	25200.001	5.981	10.108	9.428
8/2/2021 18:57	25260.001	5.982	10.097	9.427
8/2/2021 18:58	25320.001	5.981	10.088	9.428
8/2/2021 18:59	25380.001	5.983	10.081	9.423
8/2/2021 19:00	25440.001	5.982	10.111	9.427
8/2/2021 19:01	25500.001	5.98	10.096	9.431
8/2/2021 19:02	25560.001	5.981	10.104	9.428
8/2/2021 19:03	25620.001	5.984	10.107	9.423
8/2/2021 19:04	25680.001	5.981	10.089	9.43
8/2/2021 19:05	25740.001	5.981	10.131	9.428
8/2/2021 19:06	25800.001	5.982	10.125	9.426
8/2/2021 19:07	25860.001	5.981	10.104	9.429
8/2/2021 19:08	25920.001	5.983	10.13	9.425
8/2/2021 19:09	25980.001	5.98	10.096	9.431
8/2/2021 19:10	26040.001	5.979	10.094	9.433
8/2/2021 19:11	26100.001	5.982	10.111	9.427
8/2/2021 19:12	26160.001	5.981	10.102	9.43
8/2/2021 19:13	26220.001	5.983	10.113	9.425
8/2/2021 19:14	26280.001	5.98	10.126	9.432
8/2/2021 19:15	26340.001	5.981	10.13	9.43
8/2/2021 19:16	26400.001	5.982	10.108	9.427
8/2/2021 19:17	26460.001	5.98	10.092	9.431
8/2/2021 19:18	26520.001	5.982	10.101	9.428
8/2/2021 19:19	26580.001	5.981	10.092	9.429
8/2/2021 19:20	26640.001	5.981	10.124	9.43
8/2/2021 19:21	26700.001	5.981	10.076	9.43
8/2/2021 19:22	26760.001	5.979	10.081	9.433
8/2/2021 19:23	26820.001	5.982	10.117	9.427
8/2/2021 19:24	26880.001	5.98	10.099	9.431
8/2/2021 19:25	26940.001	5.979	10.117	9.434
8/2/2021 19:26	27000.001	5.981	10.099	9.429
8/2/2021 19:27	27060.001	5.981	10.102	9.428
8/2/2021 19:28	27120.001	5.982	10.106	9.427
8/2/2021 19:29	27180.001	5.98	10.125	9.43
8/2/2021 19:30	27240.001	5.982	10.11	9.427
8/2/2021 19:31	27300.001	5.981	10.109	9.429
8/2/2021 19:32	27360.001	5.98	10.106	9.431
8/2/2021 19:33	27420.001	5.98	10.102	9.431
8/2/2021 19:34	27480.001	5.982	10.11	9.426
8/2/2021 19:35	27540.001	5.981	10.102	9.428
8/2/2021 19:36	27600.001	5.984	10.102	9.423
8/2/2021 19:37	27660.001	5.98	10.097	9.431
8/2/2021 19:38	27720.001	5.981	10.099	9.428
8/2/2021 19:39	27780.001	5.983	10.119	9.425
8/2/2021 19:40	27840.001	5.983	10.11	9.425
8/2/2021 19:41	27900.001	5.981	10.133	9.428
8/2/2021 19:42	27960.001	5.982	10.101	9.427
8/2/2021 19:43	28020.001	5.982	10.111	9.427

8/2/2021 19:44	28080.001	5.979	10.113	9.434
8/2/2021 19:45	28140.001	5.979	10.106	9.433
8/2/2021 19:46	28200.001	5.98	10.109	9.43
8/2/2021 19:47	28260.001	5.983	10.092	9.425
8/2/2021 19:48	28320.001	5.982	10.11	9.427
8/2/2021 19:49	28380.001	5.983	10.083	9.425
8/2/2021 19:50	28440.001	5.982	10.105	9.427
8/2/2021 19:51	28500.001	5.981	10.112	9.428
8/2/2021 19:52	28560.001	5.98	10.102	9.431
8/2/2021 19:53	28620.001	5.982	10.096	9.426
8/2/2021 19:54	28680.001	5.983	10.095	9.425
8/2/2021 19:55	28740.001	5.982	10.078	9.426
8/2/2021 19:56	28800.001	5.982	10.113	9.428
8/2/2021 19:57	28860.001	5.982	10.107	9.427
8/2/2021 19:58	28920.001	5.982	10.125	9.428
8/2/2021 19:59	28980.001	5.983	10.104	9.424
8/2/2021 20:00	29040.001	5.98	10.12	9.431
8/2/2021 20:01	29100.001	5.982	10.114	9.427
8/2/2021 20:02	29160.001	5.982	10.092	9.427
8/2/2021 20:03	29220.001	5.984	10.067	9.422
8/2/2021 20:04	29280.001	5.979	10.113	9.433
8/2/2021 20:05	29340.001	5.981	10.113	9.429
8/2/2021 20:06	29400.001	5.981	10.096	9.428
8/2/2021 20:07	29460.001	5.983	10.108	9.424
8/2/2021 20:08	29520.001	5.982	10.104	9.426
8/2/2021 20:09	29580.001	5.983	10.089	9.423
8/2/2021 20:10	29640.001	5.981	10.104	9.429
8/2/2021 20:11	29700.001	5.983	10.12	9.425
8/2/2021 20:12	29760.001	5.986	10.082	9.418
8/2/2021 20:13	29820.001	5.984	10.115	9.422
8/2/2021 20:14	29880.001	5.981	10.107	9.428
8/2/2021 20:15	29940.001	5.984	10.072	9.423
8/2/2021 20:16	30000.001	5.982	10.116	9.427
8/2/2021 20:17	30060.001	5.983	10.129	9.424
8/2/2021 20:18	30120.001	5.982	10.084	9.426
8/2/2021 20:19	30180.001	5.984	10.131	9.422
8/2/2021 20:20	30240.001	5.985	10.116	9.421
8/2/2021 20:21	30300.001	5.982	10.09	9.427
8/2/2021 20:22	30360.001	5.985	10.119	9.419
8/2/2021 20:23	30420.001	5.982	10.117	9.426
8/2/2021 20:24	30480.001	5.985	10.106	9.42
8/2/2021 20:25	30540.001	5.981	10.124	9.429
8/2/2021 20:26	30600.001	5.982	10.11	9.426
8/2/2021 20:27	30660.001	5.983	10.116	9.424
8/2/2021 20:28	30720.001	5.982	10.108	9.427
8/2/2021 20:29	30780.001	5.984	10.07	9.423
8/2/2021 20:30	30840.001	5.983	10.101	9.424
8/2/2021 20:31	30900.001	5.983	10.117	9.423
8/2/2021 20:32	30960.001	5.983	10.139	9.425
8/2/2021 20:33	31020.001	5.985	10.093	9.42
8/2/2021 20:34	31080.001	5.984	10.091	9.422
8/2/2021 20:35	31140.001	5.985	10.097	9.419
8/2/2021 20:36	31200.001	5.983	10.122	9.424
8/2/2021 20:37	31260.001	5.981	10.119	9.429
8/2/2021 20:38	31320.001	5.982	10.12	9.427
8/2/2021 20:39	31380.001	5.981	10.077	9.429
8/2/2021 20:40	31440.001	5.982	10.137	9.428
8/2/2021 20:41	31500.001	5.982	10.11	9.427
8/2/2021 20:42	31560.001	5.982	10.104	9.426
8/2/2021 20:43	31620.001	5.984	10.096	9.423
8/2/2021 20:44	31680.001	5.983	10.11	9.425

8/2/2021 20:45	31740.001	5.984	10.092	9.423
8/2/2021 20:46	31800.001	5.985	10.126	9.42
8/2/2021 20:47	31860.001	5.983	10.109	9.425
8/2/2021 20:48	31920.001	5.983	10.082	9.423
8/2/2021 20:49	31980.001	5.984	10.115	9.423
8/2/2021 20:50	32040.001	5.985	10.126	9.42
8/2/2021 20:51	32100.001	5.985	10.122	9.42
8/2/2021 20:52	32160.001	5.985	10.133	9.421
8/2/2021 20:53	32220.001	5.985	10.092	9.419
8/2/2021 20:54	32280.001	5.981	10.108	9.43
8/2/2021 20:55	32340.001	5.982	10.145	9.427
8/2/2021 20:56	32400.001	5.984	10.09	9.423
8/2/2021 20:57	32460.001	5.984	10.149	9.422
8/2/2021 20:58	32520.001	5.983	10.101	9.425
8/2/2021 20:59	32580.001	5.982	10.071	9.426
8/2/2021 21:00	32640.001	5.985	10.107	9.419
8/2/2021 21:01	32700.001	5.982	10.09	9.427
8/2/2021 21:02	32760.001	5.982	10.123	9.426
8/2/2021 21:03	32820.001	5.982	10.119	9.426
8/2/2021 21:04	32880.001	5.981	10.084	9.429
8/2/2021 21:05	32940.001	5.983	10.102	9.424
8/2/2021 21:06	33000.001	5.982	10.09	9.426
8/2/2021 21:07	33060.001	5.982	10.107	9.427
8/2/2021 21:08	33120.001	5.981	10.093	9.428
8/2/2021 21:09	33180.001	5.983	10.11	9.425
8/2/2021 21:10	33240.001	5.982	10.087	9.426
8/2/2021 21:11	33300.001	5.983	10.119	9.423
8/2/2021 21:12	33360.001	5.98	10.093	9.431
8/2/2021 21:13	33420.001	5.983	10.104	9.424
8/2/2021 21:14	33480.001	5.982	10.095	9.427
8/2/2021 21:15	33540.001	5.982	10.087	9.428
8/2/2021 21:16	33600.001	5.984	10.126	9.421
8/2/2021 21:17	33660.001	5.982	10.105	9.426
8/2/2021 21:18	33720.001	5.984	10.087	9.421
8/2/2021 21:19	33780.001	5.984	10.096	9.423
8/2/2021 21:20	33840.001	5.984	10.098	9.423
8/2/2021 21:21	33900.001	5.981	10.093	9.429
8/2/2021 21:22	33960.001	5.982	10.137	9.426
8/2/2021 21:23	34020.001	5.985	10.121	9.42
8/2/2021 21:24	34080.001	5.984	10.121	9.421
8/2/2021 21:25	34140.001	5.982	10.096	9.428
8/2/2021 21:26	34200.001	5.985	10.102	9.42
8/2/2021 21:27	34260.001	5.979	10.097	9.433
8/2/2021 21:28	34320.001	5.983	10.113	9.424
8/2/2021 21:29	34380.001	5.98	10.112	9.43
8/2/2021 21:30	34440.001	5.984	10.104	9.423
8/2/2021 21:31	34500.001	5.984	10.113	9.421
8/2/2021 21:32	34560.001	5.982	10.113	9.428
8/2/2021 21:33	34620.001	5.982	10.113	9.426
8/2/2021 21:34	34680.001	5.982	10.128	9.426
8/2/2021 21:35	34740.001	5.983	10.083	9.424
8/2/2021 21:36	34800.001	5.982	10.091	9.426
8/2/2021 21:37	34860.001	5.985	10.085	9.42
8/2/2021 21:38	34920.001	5.982	10.099	9.427
8/2/2021 21:39	34980.001	5.983	10.107	9.423
8/2/2021 21:40	35040.001	5.984	10.103	9.423
8/2/2021 21:41	35100.001	5.983	10.113	9.423
8/2/2021 21:42	35160.001	5.981	10.106	9.428
8/2/2021 21:43	35220.001	5.983	10.081	9.425
8/2/2021 21:44	35280.001	5.983	10.114	9.425
8/2/2021 21:45	35340.001	5.983	10.104	9.425

8/2/2021 21:46	35400.001	5.984	10.111	9.423
8/2/2021 21:47	35460.001	5.985	10.119	9.42
8/2/2021 21:48	35520.001	5.98	10.103	9.43
8/2/2021 21:49	35580.001	5.981	10.107	9.429
8/2/2021 21:50	35640.001	5.982	10.12	9.426
8/2/2021 21:51	35700.001	5.984	10.142	9.421
8/2/2021 21:52	35760.001	5.982	10.098	9.427
8/2/2021 21:53	35820.001	5.984	10.135	9.423
8/2/2021 21:54	35880.001	5.983	10.109	9.425
8/2/2021 21:55	35940.001	5.985	10.108	9.419
8/2/2021 21:56	36000.001	5.982	10.103	9.427
8/2/2021 21:57	36060.001	5.984	10.128	9.422
8/2/2021 21:58	36120.001	5.983	10.093	9.425
8/2/2021 21:59	36180.001	5.985	10.116	9.419
8/2/2021 22:00	36240.001	5.984	10.107	9.422
8/2/2021 22:01	36300.001	5.984	10.111	9.421
8/2/2021 22:02	36360.001	5.984	10.108	9.422
8/2/2021 22:03	36420.001	5.983	10.129	9.424
8/2/2021 22:04	36480.001	5.984	10.106	9.421
8/2/2021 22:05	36540.001	5.984	10.11	9.422
8/2/2021 22:06	36600.001	5.983	10.104	9.425
8/2/2021 22:07	36660.001	5.984	10.124	9.422
8/2/2021 22:08	36720.001	5.985	10.092	9.419
8/2/2021 22:09	36780.001	5.984	10.112	9.422
8/2/2021 22:10	36840.001	5.983	10.099	9.424
8/2/2021 22:11	36900.001	5.984	10.11	9.423
8/2/2021 22:12	36960.001	5.985	10.069	9.421
8/2/2021 22:13	37020.001	5.985	10.121	9.42
8/2/2021 22:14	37080.001	5.983	10.13	9.425
8/2/2021 22:15	37140.001	5.983	10.119	9.425
8/2/2021 22:16	37200.001	5.984	10.132	9.423
8/2/2021 22:17	37260.001	5.984	10.142	9.422
8/2/2021 22:18	37320.001	5.982	10.073	9.427
8/2/2021 22:19	37380.001	5.982	10.128	9.427
8/2/2021 22:20	37440.001	5.983	10.129	9.425
8/2/2021 22:21	37500.001	5.982	10.124	9.426
8/2/2021 22:22	37560.001	5.983	10.084	9.424
8/2/2021 22:23	37620.001	5.984	10.111	9.422
8/2/2021 22:24	37680.001	5.984	10.114	9.423
8/2/2021 22:25	37740.001	5.983	10.108	9.424
8/2/2021 22:26	37800.001	5.985	10.102	9.42
8/2/2021 22:27	37860.001	5.983	10.119	9.425
8/2/2021 22:28	37920.001	5.983	10.092	9.425
8/2/2021 22:29	37980.001	5.983	10.139	9.423
8/2/2021 22:30	38040.001	5.983	10.085	9.424
8/2/2021 22:31	38100.001	5.984	10.096	9.422
8/2/2021 22:32	38160.001	5.983	10.107	9.424
8/2/2021 22:33	38220.001	5.984	10.1	9.421
8/2/2021 22:34	38280.001	5.982	10.095	9.427
8/2/2021 22:35	38340.001	5.983	10.109	9.425
8/2/2021 22:36	38400.001	5.983	10.11	9.425
8/2/2021 22:37	38460.001	5.982	10.089	9.426
8/2/2021 22:38	38520.001	5.983	10.112	9.424
8/2/2021 22:39	38580.001	5.983	10.112	9.424
8/2/2021 22:40	38640.001	5.982	10.104	9.428
8/2/2021 22:41	38700.001	5.984	10.098	9.423
8/2/2021 22:42	38760.001	5.98	10.093	9.43
8/2/2021 22:43	38820.001	5.985	10.097	9.421
8/2/2021 22:44	38880.001	5.983	10.125	9.425
8/2/2021 22:45	38940.001	5.983	10.107	9.424
8/2/2021 22:46	39000.001	5.983	10.105	9.425

8/2/2021 22:47	39060.001	5.98	10.122	9.43
8/2/2021 22:48	39120.001	5.983	10.134	9.424
8/2/2021 22:49	39180.001	5.983	10.085	9.424
8/2/2021 22:50	39240.001	5.982	10.116	9.428
8/2/2021 22:51	39300.001	5.984	10.081	9.423
8/2/2021 22:52	39360.001	5.985	10.112	9.421
8/2/2021 22:53	39420.001	5.982	10.093	9.428
8/2/2021 22:54	39480.001	5.983	10.12	9.425
8/2/2021 22:55	39540.001	5.984	10.108	9.422
8/2/2021 22:56	39600.001	5.984	10.116	9.421
8/2/2021 22:57	39660.001	5.984	10.11	9.422
8/2/2021 22:58	39720.001	5.981	10.117	9.429
8/2/2021 22:59	39780.001	5.985	10.122	9.419
8/2/2021 23:00	39840.001	5.984	10.112	9.421
8/2/2021 23:01	39900.001	5.984	10.128	9.422
8/2/2021 23:02	39960.001	5.984	10.088	9.421
8/2/2021 23:03	40020.001	5.983	10.104	9.424
8/2/2021 23:04	40080.001	5.984	10.103	9.422
8/2/2021 23:05	40140.001	5.984	10.086	9.422
8/2/2021 23:06	40200.001	5.984	10.117	9.422
8/2/2021 23:07	40260.001	5.985	10.114	9.421
8/2/2021 23:08	40320.001	5.984	10.122	9.422
8/2/2021 23:09	40380.001	5.982	10.102	9.426
8/2/2021 23:10	40440.001	5.983	10.085	9.425
8/2/2021 23:11	40500.001	5.984	10.104	9.422
8/2/2021 23:12	40560.001	5.98	10.114	9.43
8/2/2021 23:13	40620.001	5.984	10.113	9.421
8/2/2021 23:14	40680.001	5.983	10.119	9.424
8/2/2021 23:15	40740.001	5.984	10.101	9.421
8/2/2021 23:16	40800.001	5.984	10.087	9.423
8/2/2021 23:17	40860.001	5.984	10.093	9.422
8/2/2021 23:18	40920.001	5.984	10.13	9.421
8/2/2021 23:19	40980.001	5.984	10.128	9.422
8/2/2021 23:20	41040.001	5.984	10.122	9.421
8/2/2021 23:21	41100.001	5.984	10.114	9.421
8/2/2021 23:22	41160.001	5.985	10.093	9.42
8/2/2021 23:23	41220.001	5.983	10.113	9.425
8/2/2021 23:24	41280.001	5.984	10.098	9.422
8/2/2021 23:25	41340.001	5.984	10.131	9.423
8/2/2021 23:26	41400.001	5.983	10.095	9.425
8/2/2021 23:27	41460.001	5.985	10.072	9.421
8/2/2021 23:28	41520.001	5.984	10.11	9.423
8/2/2021 23:29	41580.001	5.984	10.09	9.422
8/2/2021 23:30	41640.001	5.982	10.116	9.426
8/2/2021 23:31	41700.001	5.984	10.127	9.421
8/2/2021 23:32	41760.001	5.983	10.106	9.423
8/2/2021 23:33	41820.001	5.982	10.067	9.426
8/2/2021 23:34	41880.001	5.985	10.112	9.419
8/2/2021 23:35	41940.001	5.982	10.131	9.427
8/2/2021 23:36	42000.001	5.982	10.14	9.427
8/2/2021 23:37	42060.001	5.983	10.111	9.424
8/2/2021 23:38	42120.001	5.984	10.106	9.421
8/2/2021 23:39	42180.001	5.985	10.105	9.42
8/2/2021 23:40	42240.001	5.983	10.105	9.425
8/2/2021 23:41	42300.001	5.984	10.107	9.423
8/2/2021 23:42	42360.001	5.983	10.077	9.424
8/2/2021 23:43	42420.001	5.984	10.104	9.423
8/2/2021 23:44	42480.001	5.984	10.105	9.422
8/2/2021 23:45	42540.001	5.981	10.143	9.429
8/2/2021 23:46	42600.001	5.983	10.116	9.425
8/2/2021 23:47	42660.001	5.984	10.08	9.423

8/2/2021 23:48	42720.001	5.985	10.087	9.42
8/2/2021 23:49	42780.001	5.982	10.128	9.427
8/2/2021 23:50	42840.001	5.983	10.101	9.425
8/2/2021 23:51	42900.001	5.983	10.139	9.425
8/2/2021 23:52	42960.001	5.983	10.117	9.425
8/2/2021 23:53	43020.001	5.981	10.093	9.428
8/2/2021 23:54	43080.001	5.985	10.093	9.42
8/2/2021 23:55	43140.001	5.982	10.096	9.427
8/2/2021 23:56	43200.001	5.981	10.104	9.428
8/2/2021 23:57	43260.001	5.981	10.082	9.429
8/2/2021 23:58	43320.001	5.983	10.11	9.425
8/2/2021 23:59	43380.001	5.981	10.115	9.429
8/3/2021 0:00	43440.001	5.982	10.102	9.426
8/3/2021 0:01	43500.001	5.984	10.121	9.421
8/3/2021 0:02	43560.001	5.98	10.116	9.432
8/3/2021 0:03	43620.001	5.982	10.079	9.426
8/3/2021 0:04	43680.001	5.982	10.09	9.426
8/3/2021 0:05	43740.001	5.98	10.135	9.432
8/3/2021 0:06	43800.001	5.981	10.119	9.429
8/3/2021 0:07	43860.001	5.984	10.139	9.423
8/3/2021 0:08	43920.001	5.985	10.132	9.419
8/3/2021 0:09	43980.001	5.984	10.112	9.422
8/3/2021 0:10	44040.001	5.983	10.115	9.425
8/3/2021 0:11	44100.001	5.98	10.119	9.43
8/3/2021 0:12	44160.001	5.98	10.135	9.432
8/3/2021 0:13	44220.001	5.981	10.14	9.429
8/3/2021 0:14	44280.001	5.981	10.112	9.429
8/3/2021 0:15	44340.001	5.983	10.15	9.425
8/3/2021 0:16	44400.001	5.979	10.119	9.434
8/3/2021 0:17	44460.001	5.982	10.114	9.426
8/3/2021 0:18	44520.001	5.981	10.103	9.428
8/3/2021 0:19	44580.001	5.979	10.068	9.433
8/3/2021 0:20	44640.001	5.982	10.11	9.426
8/3/2021 0:21	44700.001	5.982	10.078	9.426
8/3/2021 0:22	44760.001	5.98	10.118	9.43
8/3/2021 0:23	44820.001	5.981	10.116	9.429
8/3/2021 0:24	44880.001	5.981	10.104	9.428
8/3/2021 0:25	44940.001	5.98	10.129	9.431
8/3/2021 0:26	45000.001	5.982	10.095	9.426
8/3/2021 0:27	45060.001	5.981	10.112	9.428
8/3/2021 0:28	45120.001	5.979	10.133	9.433
8/3/2021 0:29	45180.001	5.978	10.121	9.435
8/3/2021 0:30	45240.001	5.982	10.113	9.428
8/3/2021 0:31	45300.001	5.981	10.105	9.428
8/3/2021 0:32	45360.001	5.984	10.108	9.423
8/3/2021 0:33	45420.001	5.983	10.108	9.425
8/3/2021 0:34	45480.001	5.983	10.09	9.423
8/3/2021 0:35	45540.001	5.981	10.118	9.429
8/3/2021 0:36	45600.001	5.981	10.116	9.43
8/3/2021 0:37	45660.001	5.982	10.092	9.427
8/3/2021 0:38	45720.001	5.982	10.115	9.427
8/3/2021 0:39	45780.001	5.982	10.133	9.427
8/3/2021 0:40	45840.001	5.981	10.102	9.428
8/3/2021 0:41	45900.001	5.981	10.083	9.428
8/3/2021 0:42	45960.001	5.979	10.09	9.433
8/3/2021 0:43	46020.001	5.98	10.081	9.43
8/3/2021 0:44	46080.001	5.983	10.111	9.425
8/3/2021 0:45	46140.001	5.981	10.131	9.43
8/3/2021 0:46	46200.001	5.981	10.108	9.429
8/3/2021 0:47	46260.001	5.981	10.128	9.429
8/3/2021 0:48	46320.001	5.983	10.104	9.423

8/3/2021 0:49	46380.001	5.979	10.107	9.433
8/3/2021 0:50	46440.001	5.982	10.116	9.426
8/3/2021 0:51	46500.001	5.98	10.102	9.43
8/3/2021 0:52	46560.001	5.982	10.124	9.427
8/3/2021 0:53	46620.001	5.978	10.113	9.435
8/3/2021 0:54	46680.001	5.98	10.075	9.432
8/3/2021 0:55	46740.001	5.983	10.09	9.423
8/3/2021 0:56	46800.001	5.979	10.083	9.433
8/3/2021 0:57	46860.001	5.98	10.118	9.431
8/3/2021 0:58	46920.001	5.981	10.119	9.428
8/3/2021 0:59	46980.001	5.982	10.136	9.426
8/3/2021 1:00	47040.001	5.98	10.105	9.43
8/3/2021 1:01	47100.001	5.981	10.125	9.428
8/3/2021 1:02	47160.001	5.982	10.106	9.428
8/3/2021 1:03	47220.001	5.982	10.126	9.426
8/3/2021 1:04	47280.001	5.983	10.117	9.425
8/3/2021 1:05	47340.001	5.982	10.107	9.428
8/3/2021 1:06	47400.001	5.983	10.101	9.425
8/3/2021 1:07	47460.001	5.982	10.113	9.428
8/3/2021 1:08	47520.001	5.982	10.118	9.427
8/3/2021 1:09	47580.001	5.981	10.128	9.428
8/3/2021 1:10	47640.001	5.981	10.124	9.43
8/3/2021 1:11	47700.001	5.983	10.109	9.425
8/3/2021 1:12	47760.001	5.983	10.104	9.425
8/3/2021 1:13	47820.001	5.983	10.09	9.425
8/3/2021 1:14	47880.001	5.982	10.14	9.426
8/3/2021 1:15	47940.001	5.981	10.118	9.428
8/3/2021 1:16	48000.001	5.982	10.122	9.427
8/3/2021 1:17	48060.001	5.982	10.104	9.426
8/3/2021 1:18	48120.001	5.983	10.095	9.425
8/3/2021 1:19	48180.001	5.983	10.114	9.425
8/3/2021 1:20	48240.001	5.981	10.088	9.43
8/3/2021 1:21	48300.001	5.983	10.091	9.424
8/3/2021 1:22	48360.001	5.983	10.136	9.425
8/3/2021 1:23	48420.001	5.982	10.117	9.427
8/3/2021 1:24	48480.001	5.982	10.106	9.427
8/3/2021 1:25	48540.001	5.982	10.131	9.426
8/3/2021 1:26	48600.001	5.979	10.099	9.433
8/3/2021 1:27	48660.001	5.983	10.111	9.424
8/3/2021 1:28	48720.001	5.983	10.128	9.424
8/3/2021 1:29	48780.001	5.981	10.11	9.43
8/3/2021 1:30	48840.001	5.985	10.119	9.419
8/3/2021 1:31	48900.001	5.982	10.09	9.427
8/3/2021 1:32	48960.001	5.982	10.107	9.427
8/3/2021 1:33	49020.001	5.984	10.128	9.422
8/3/2021 1:34	49080.001	5.982	10.114	9.426
8/3/2021 1:35	49140.001	5.982	10.101	9.427
8/3/2021 1:36	49200.001	5.981	10.13	9.429
8/3/2021 1:37	49260.001	5.984	10.133	9.422
8/3/2021 1:38	49320.001	5.983	10.104	9.425
8/3/2021 1:39	49380.001	5.983	10.098	9.424
8/3/2021 1:40	49440.001	5.984	10.106	9.422
8/3/2021 1:41	49500.001	5.985	10.122	9.42
8/3/2021 1:42	49560.001	5.984	10.136	9.422
8/3/2021 1:43	49620.001	5.982	10.122	9.426
8/3/2021 1:44	49680.001	5.984	10.112	9.422
8/3/2021 1:45	49740.001	5.984	10.144	9.421
8/3/2021 1:46	49800.001	5.985	10.114	9.419
8/3/2021 1:47	49860.001	5.986	10.075	9.417
8/3/2021 1:48	49920.001	5.986	10.12	9.417
8/3/2021 1:49	49980.001	5.984	10.084	9.421

8/3/2021 1:50	50040.001	5.983	10.128	9.425
8/3/2021 1:51	50100.001	5.981	10.105	9.428
8/3/2021 1:52	50160.001	5.984	10.096	9.422
8/3/2021 1:53	50220.001	5.983	10.112	9.424
8/3/2021 1:54	50280.001	5.983	10.129	9.424
8/3/2021 1:55	50340.001	5.985	10.117	9.42
8/3/2021 1:56	50400.001	5.985	10.099	9.419
8/3/2021 1:57	50460.001	5.983	10.099	9.424
8/3/2021 1:58	50520.001	5.985	10.106	9.419
8/3/2021 1:59	50580.001	5.983	10.136	9.423
8/3/2021 2:00	50640.001	5.983	10.121	9.424
8/3/2021 2:01	50700.001	5.982	10.1	9.427
8/3/2021 2:02	50760.001	5.984	10.074	9.423
8/3/2021 2:03	50820.001	5.984	10.111	9.421
8/3/2021 2:04	50880.001	5.982	10.104	9.426
8/3/2021 2:05	50940.001	5.985	10.1	9.419
8/3/2021 2:06	51000.001	5.985	10.123	9.421
8/3/2021 2:07	51060.001	5.986	10.11	9.417
8/3/2021 2:08	51120.001	5.984	10.123	9.422
8/3/2021 2:09	51180.001	5.984	10.127	9.423
8/3/2021 2:10	51240.001	5.983	10.119	9.424
8/3/2021 2:11	51300.001	5.987	10.092	9.416
8/3/2021 2:12	51360.001	5.984	10.12	9.421
8/3/2021 2:13	51420.001	5.985	10.119	9.419
8/3/2021 2:14	51480.001	5.985	10.116	9.421
8/3/2021 2:15	51540.001	5.986	10.102	9.418
8/3/2021 2:16	51600.001	5.983	10.112	9.424
8/3/2021 2:17	51660.001	5.984	10.121	9.422
8/3/2021 2:18	51720.001	5.984	10.091	9.422
8/3/2021 2:19	51780.001	5.981	10.129	9.428
8/3/2021 2:20	51840.001	5.984	10.118	9.422
8/3/2021 2:21	51900.001	5.986	10.099	9.417
8/3/2021 2:22	51960.001	5.983	10.08	9.424
8/3/2021 2:23	52020.001	5.985	10.118	9.42
8/3/2021 2:24	52080.001	5.983	10.1	9.423
8/3/2021 2:25	52140.001	5.986	10.141	9.417
8/3/2021 2:26	52200.001	5.988	10.13	9.413
8/3/2021 2:27	52260.001	5.985	10.098	9.419
8/3/2021 2:28	52320.001	5.983	10.121	9.423
8/3/2021 2:29	52380.001	5.986	10.112	9.418
8/3/2021 2:30	52440.001	5.984	10.112	9.421
8/3/2021 2:31	52500.001	5.985	10.11	9.42
8/3/2021 2:32	52560.001	5.986	10.124	9.418
8/3/2021 2:33	52620.001	5.983	10.116	9.424
8/3/2021 2:34	52680.001	5.983	10.113	9.423
8/3/2021 2:35	52740.001	5.986	10.122	9.417
8/3/2021 2:36	52800.001	5.985	10.137	9.419
8/3/2021 2:37	52860.001	5.984	10.109	9.422
8/3/2021 2:38	52920.001	5.985	10.113	9.42
8/3/2021 2:39	52980.001	5.984	10.122	9.423
8/3/2021 2:40	53040.001	5.985	10.092	9.42
8/3/2021 2:41	53100.001	5.985	10.115	9.419
8/3/2021 2:42	53160.001	5.985	10.128	9.419
8/3/2021 2:43	53220.001	5.985	10.135	9.419
8/3/2021 2:44	53280.001	5.986	10.116	9.417
8/3/2021 2:45	53340.001	5.984	10.134	9.421
8/3/2021 2:46	53400.001	5.985	10.092	9.42
8/3/2021 2:47	53460.001	5.983	10.117	9.424
8/3/2021 2:48	53520.001	5.987	10.117	9.416
8/3/2021 2:49	53580.001	5.982	10.121	9.427
8/3/2021 2:50	53640.001	5.985	10.102	9.42

8/3/2021 2:51	53700.001	5.986	10.106	9.418
8/3/2021 2:52	53760.001	5.985	10.141	9.42
8/3/2021 2:53	53820.001	5.982	10.147	9.426
8/3/2021 2:54	53880.001	5.986	10.102	9.418
8/3/2021 2:55	53940.001	5.986	10.096	9.417
8/3/2021 2:56	54000.001	5.985	10.105	9.42
8/3/2021 2:57	54060.001	5.985	10.119	9.419
8/3/2021 2:58	54120.001	5.986	10.102	9.418
8/3/2021 2:59	54180.001	5.984	10.096	9.422
8/3/2021 3:00	54240.001	5.986	10.118	9.417
8/3/2021 3:01	54300.001	5.985	10.113	9.42
8/3/2021 3:02	54360.001	5.986	10.151	9.416
8/3/2021 3:03	54420.001	5.986	10.111	9.417
8/3/2021 3:04	54480.001	5.983	10.136	9.425
8/3/2021 3:05	54540.001	5.986	10.116	9.417
8/3/2021 3:06	54600.001	5.984	10.145	9.421
8/3/2021 3:07	54660.001	5.985	10.134	9.421
8/3/2021 3:08	54720.001	5.986	10.134	9.418
8/3/2021 3:09	54780.001	5.983	10.105	9.424
8/3/2021 3:10	54840.001	5.985	10.133	9.419
8/3/2021 3:11	54900.001	5.987	10.116	9.415
8/3/2021 3:12	54960.001	5.985	10.12	9.421
8/3/2021 3:13	55020.001	5.984	10.129	9.422
8/3/2021 3:14	55080.001	5.986	10.087	9.418
8/3/2021 3:15	55140.001	5.986	10.101	9.418
8/3/2021 3:16	55200.001	5.985	10.13	9.419
8/3/2021 3:17	55260.001	5.987	10.148	9.414
8/3/2021 3:18	55320.001	5.984	10.125	9.422
8/3/2021 3:19	55380.001	5.983	10.145	9.425
8/3/2021 3:20	55440.001	5.985	10.125	9.421
8/3/2021 3:21	55500.001	5.983	10.123	9.423
8/3/2021 3:22	55560.001	5.983	10.138	9.425
8/3/2021 3:23	55620.001	5.983	10.112	9.424
8/3/2021 3:24	55680.001	5.985	10.133	9.42
8/3/2021 3:25	55740.001	5.985	10.099	9.419
8/3/2021 3:26	55800.001	5.987	10.119	9.415
8/3/2021 3:27	55860.001	5.985	10.098	9.419
8/3/2021 3:28	55920.001	5.984	10.123	9.421
8/3/2021 3:29	55980.001	5.985	10.124	9.42
8/3/2021 3:30	56040.001	5.984	10.121	9.422
8/3/2021 3:31	56100.001	5.986	10.12	9.417
8/3/2021 3:32	56160.001	5.985	10.088	9.419
8/3/2021 3:33	56220.001	5.987	10.13	9.415
8/3/2021 3:34	56280.001	5.986	10.125	9.418
8/3/2021 3:35	56340.001	5.985	10.126	9.419
8/3/2021 3:36	56400.001	5.985	10.11	9.419
8/3/2021 3:37	56460.001	5.986	10.116	9.418
8/3/2021 3:38	56520.001	5.983	10.12	9.425
8/3/2021 3:39	56580.001	5.983	10.094	9.424
8/3/2021 3:40	56640.001	5.985	10.092	9.42
8/3/2021 3:41	56700.001	5.985	10.089	9.419
8/3/2021 3:42	56760.001	5.983	10.123	9.425
8/3/2021 3:43	56820.001	5.983	10.133	9.424
8/3/2021 3:44	56880.001	5.983	10.122	9.424
8/3/2021 3:45	56940.001	5.984	10.136	9.422
8/3/2021 3:46	57000.001	5.982	10.108	9.426
8/3/2021 3:47	57060.001	5.984	10.133	9.422
8/3/2021 3:48	57120.001	5.985	10.1	9.42
8/3/2021 3:49	57180.001	5.983	10.11	9.425
8/3/2021 3:50	57240.001	5.983	10.119	9.425
8/3/2021 3:51	57300.001	5.984	10.139	9.423

8/3/2021 3:52	57360.001	5.985	10.116	9.42
8/3/2021 3:53	57420.001	5.984	10.114	9.422
8/3/2021 3:54	57480.001	5.984	10.124	9.423
8/3/2021 3:55	57540.001	5.985	10.125	9.421
8/3/2021 3:56	57600.001	5.985	10.114	9.42
8/3/2021 3:57	57660.001	5.986	10.099	9.417
8/3/2021 3:58	57720.001	5.983	10.106	9.423
8/3/2021 3:59	57780.001	5.984	10.081	9.422
8/3/2021 4:00	57840.001	5.981	10.114	9.428
8/3/2021 4:01	57900.001	5.983	10.13	9.424
8/3/2021 4:02	57960.001	5.985	10.134	9.421
8/3/2021 4:03	58020.001	5.982	10.138	9.427
8/3/2021 4:04	58080.001	5.985	10.14	9.42
8/3/2021 4:05	58140.001	5.984	10.103	9.422
8/3/2021 4:06	58200.001	5.982	10.128	9.426
8/3/2021 4:07	58260.001	5.984	10.113	9.422
8/3/2021 4:08	58320.001	5.983	10.118	9.424
8/3/2021 4:09	58380.001	5.986	10.113	9.417
8/3/2021 4:10	58440.001	5.983	10.115	9.423
8/3/2021 4:11	58500.001	5.985	10.124	9.42
8/3/2021 4:12	58560.001	5.983	10.139	9.423
8/3/2021 4:13	58620.001	5.985	10.127	9.421
8/3/2021 4:14	58680.001	5.98	10.087	9.43
8/3/2021 4:15	58740.001	5.983	10.087	9.425
8/3/2021 4:16	58800.001	5.984	10.16	9.422
8/3/2021 4:17	58860.001	5.982	10.139	9.426
8/3/2021 4:18	58920.001	5.985	10.116	9.421
8/3/2021 4:19	58980.001	5.982	10.123	9.426
8/3/2021 4:20	59040.001	5.981	10.122	9.429
8/3/2021 4:21	59100.001	5.984	10.157	9.421
8/3/2021 4:22	59160.001	5.983	10.113	9.424
8/3/2021 4:23	59220.001	5.982	10.102	9.426
8/3/2021 4:24	59280.001	5.984	10.119	9.423
8/3/2021 4:25	59340.001	5.985	10.127	9.419
8/3/2021 4:26	59400.001	5.985	10.129	9.421
8/3/2021 4:27	59460.001	5.985	10.11	9.419
8/3/2021 4:28	59520.001	5.983	10.135	9.424
8/3/2021 4:29	59580.001	5.983	10.13	9.423
8/3/2021 4:30	59640.001	5.983	10.128	9.423
8/3/2021 4:31	59700.001	5.984	10.107	9.423
8/3/2021 4:32	59760.001	5.984	10.121	9.422
8/3/2021 4:33	59820.001	5.983	10.136	9.424
8/3/2021 4:34	59880.001	5.986	10.1	9.417
8/3/2021 4:35	59940.001	5.986	10.133	9.417
8/3/2021 4:36	60000.001	5.984	10.134	9.422
8/3/2021 4:37	60060.001	5.981	10.109	9.429
8/3/2021 4:38	60120.001	5.984	10.12	9.422
8/3/2021 4:39	60180.001	5.982	10.099	9.428
8/3/2021 4:40	60240.001	5.982	10.089	9.426
8/3/2021 4:41	60300.001	5.986	10.104	9.418
8/3/2021 4:42	60360.001	5.984	10.122	9.423
8/3/2021 4:43	60420.001	5.984	10.117	9.422
8/3/2021 4:44	60480.001	5.983	10.116	9.424
8/3/2021 4:45	60540.001	5.981	10.111	9.428
8/3/2021 4:46	60600.001	5.981	10.124	9.43
8/3/2021 4:47	60660.001	5.983	10.104	9.424
8/3/2021 4:48	60720.001	5.981	10.099	9.429
8/3/2021 4:49	60780.001	5.981	10.112	9.429
8/3/2021 4:50	60840.001	5.982	10.094	9.427
8/3/2021 4:51	60900.001	5.983	10.109	9.424
8/3/2021 4:52	60960.001	5.982	10.131	9.426

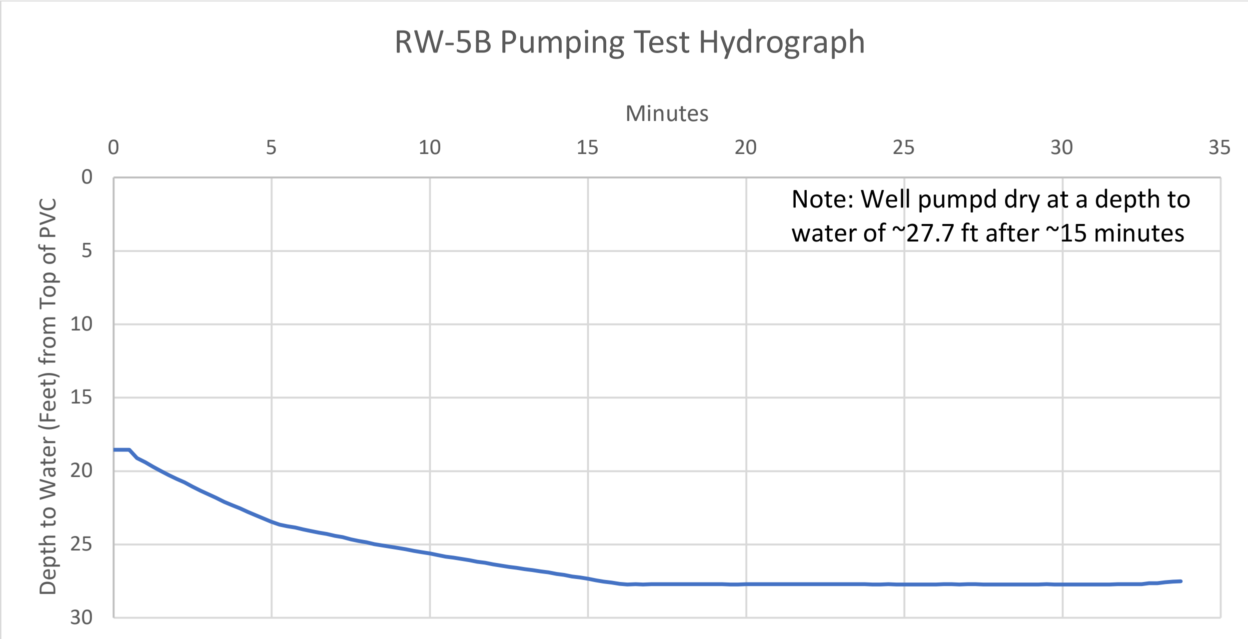
8/3/2021 4:53	61020.001	5.982	10.125	9.427
8/3/2021 4:54	61080.001	5.983	10.125	9.425
8/3/2021 4:55	61140.001	5.981	10.135	9.428
8/3/2021 4:56	61200.001	5.982	10.125	9.427
8/3/2021 4:57	61260.001	5.98	10.126	9.431
8/3/2021 4:58	61320.001	5.98	10.119	9.431
8/3/2021 4:59	61380.001	5.981	10.113	9.43
8/3/2021 5:00	61440.001	5.979	10.143	9.433
8/3/2021 5:01	61500.001	5.982	10.111	9.427
8/3/2021 5:02	61560.001	5.982	10.127	9.427
8/3/2021 5:03	61620.001	5.981	10.076	9.428
8/3/2021 5:04	61680.001	5.983	10.148	9.424
8/3/2021 5:05	61740.001	5.983	10.091	9.425
8/3/2021 5:06	61800.001	5.983	10.131	9.424
8/3/2021 5:07	61860.001	5.981	10.093	9.429
8/3/2021 5:08	61920.001	5.983	10.12	9.425
8/3/2021 5:09	61980.001	5.984	10.141	9.421
8/3/2021 5:10	62040.001	5.983	10.137	9.423
8/3/2021 5:11	62100.001	5.984	10.143	9.422
8/3/2021 5:12	62160.001	5.982	10.139	9.426
8/3/2021 5:13	62220.001	5.984	10.13	9.422
8/3/2021 5:14	62280.001	5.983	10.155	9.424
8/3/2021 5:15	62340.001	5.981	10.12	9.428
8/3/2021 5:16	62400.001	5.981	10.119	9.429
8/3/2021 5:17	62460.001	5.982	10.133	9.427
8/3/2021 5:18	62520.001	5.984	10.127	9.421
8/3/2021 5:19	62580.001	5.981	10.117	9.429
8/3/2021 5:20	62640.001	5.982	10.121	9.426
8/3/2021 5:21	62700.001	5.982	10.117	9.426
8/3/2021 5:22	62760.001	5.982	10.137	9.427
8/3/2021 5:23	62820.001	5.979	10.125	9.433
8/3/2021 5:24	62880.001	5.982	10.089	9.428
8/3/2021 5:25	62940.001	5.981	10.116	9.429
8/3/2021 5:26	63000.001	5.981	10.122	9.428
8/3/2021 5:27	63060.001	5.982	10.133	9.426
8/3/2021 5:28	63120.001	5.98	10.119	9.43
8/3/2021 5:29	63180.001	5.983	10.13	9.424
8/3/2021 5:30	63240.001	5.981	10.102	9.429
8/3/2021 5:31	63300.001	5.981	10.102	9.428
8/3/2021 5:32	63360.001	5.983	10.14	9.424
8/3/2021 5:33	63420.001	5.981	10.129	9.428
8/3/2021 5:34	63480.001	5.982	10.116	9.428
8/3/2021 5:35	63540.001	5.982	10.109	9.427
8/3/2021 5:36	63600.001	5.981	10.141	9.43
8/3/2021 5:37	63660.001	5.982	10.14	9.428
8/3/2021 5:38	63720.001	5.981	10.128	9.428
8/3/2021 5:39	63780.001	5.983	10.149	9.425
8/3/2021 5:40	63840.001	5.982	10.122	9.428
8/3/2021 5:41	63900.001	5.983	10.111	9.423
8/3/2021 5:42	63960.001	5.985	10.126	9.419
8/3/2021 5:43	64020.001	5.984	10.119	9.422
8/3/2021 5:44	64080.001	5.982	10.127	9.427
8/3/2021 5:45	64140.001	5.984	10.113	9.421
8/3/2021 5:46	64200.001	5.984	10.129	9.422
8/3/2021 5:47	64260.001	5.984	10.135	9.423
8/3/2021 5:48	64320.001	5.983	10.102	9.424
8/3/2021 5:49	64380.001	5.984	10.099	9.421
8/3/2021 5:50	64440.001	5.982	10.125	9.427
8/3/2021 5:51	64500.001	5.984	10.112	9.422
8/3/2021 5:52	64560.001	5.984	10.126	9.422
8/3/2021 5:53	64620.001	5.982	10.128	9.427

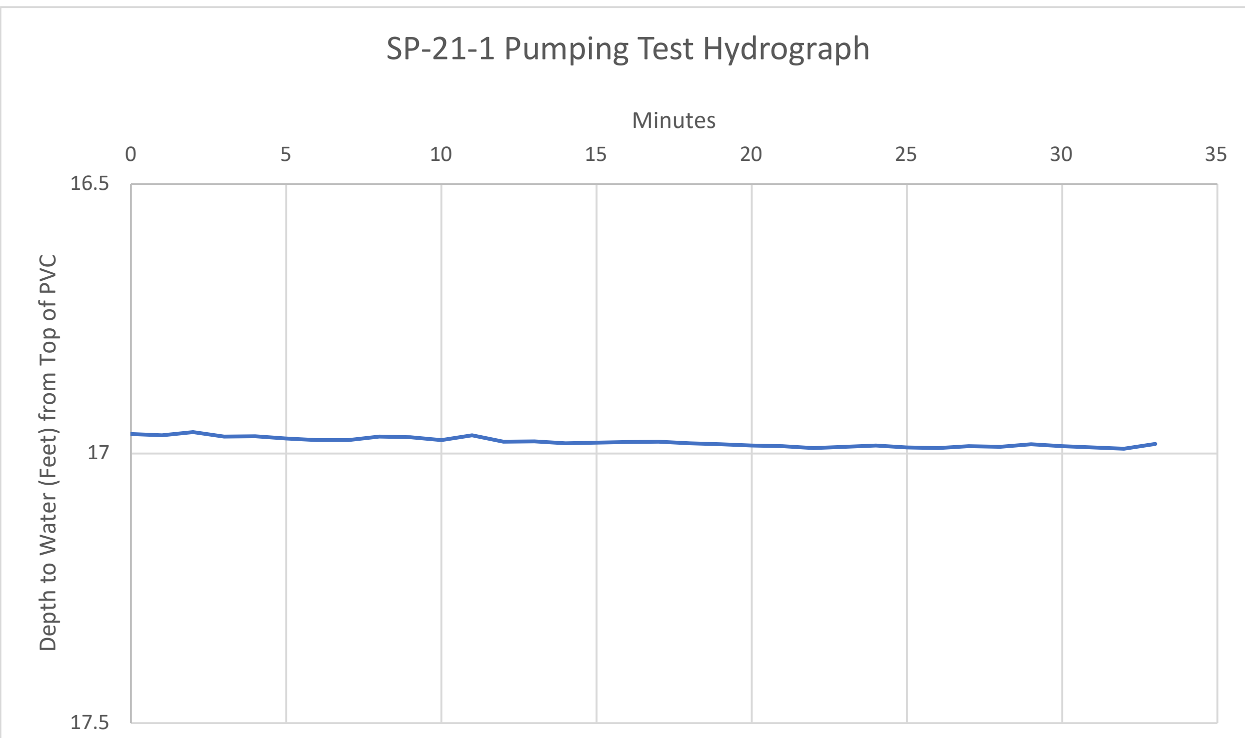
8/3/2021 5:54	64680.001	5.983	10.118	9.425
8/3/2021 5:55	64740.001	5.983	10.104	9.424
8/3/2021 5:56	64800.001	5.984	10.122	9.422
8/3/2021 5:57	64860.001	5.984	10.123	9.421
8/3/2021 5:58	64920.001	5.982	10.142	9.428
8/3/2021 5:59	64980.001	5.983	10.147	9.424
8/3/2021 6:00	65040.001	5.984	10.145	9.422
8/3/2021 6:01	65100.001	5.985	10.116	9.421
8/3/2021 6:02	65160.001	5.982	10.096	9.427
8/3/2021 6:03	65220.001	5.983	10.149	9.424
8/3/2021 6:04	65280.001	5.984	10.122	9.422
8/3/2021 6:05	65340.001	5.983	10.152	9.425
8/3/2021 6:06	65400.001	5.981	10.129	9.428
8/3/2021 6:07	65460.001	5.981	10.116	9.428
8/3/2021 6:08	65520.001	5.983	10.111	9.425
8/3/2021 6:09	65580.001	5.982	10.112	9.426
8/3/2021 6:10	65640.001	5.981	10.129	9.429
8/3/2021 6:11	65700.001	5.983	10.133	9.425
8/3/2021 6:12	65760.001	5.98	10.12	9.43
8/3/2021 6:13	65820.001	5.982	10.136	9.426
8/3/2021 6:14	65880.001	5.982	10.108	9.427
8/3/2021 6:15	65940.001	5.978	10.137	9.435
8/3/2021 6:16	66000.001	5.981	10.128	9.429
8/3/2021 6:17	66060.001	5.98	10.105	9.43
8/3/2021 6:18	66120.001	5.983	10.097	9.425
8/3/2021 6:19	66180.001	5.982	10.116	9.427
8/3/2021 6:20	66240.001	5.982	10.14	9.427
8/3/2021 6:21	66300.001	5.98	10.12	9.432
8/3/2021 6:22	66360.001	5.983	10.139	9.423
8/3/2021 6:23	66420.001	5.983	10.131	9.425
8/3/2021 6:24	66480.001	5.982	10.121	9.427
8/3/2021 6:25	66540.001	5.979	10.139	9.434
8/3/2021 6:26	66600.001	5.982	10.112	9.428
8/3/2021 6:27	66660.001	5.983	10.127	9.425
8/3/2021 6:28	66720.001	5.982	10.111	9.427
8/3/2021 6:29	66780.001	5.982	10.121	9.427
8/3/2021 6:30	66840.001	5.983	10.157	9.425
8/3/2021 6:31	66900.001	5.98	10.124	9.43
8/3/2021 6:32	66960.001	5.983	10.121	9.424
8/3/2021 6:33	67020.001	5.98	10.133	9.432
8/3/2021 6:34	67080.001	5.985	10.12	9.42
8/3/2021 6:35	67140.001	5.98	10.113	9.431
8/3/2021 6:36	67200.001	5.981	10.119	9.429
8/3/2021 6:37	67260.001	5.982	10.112	9.427
8/3/2021 6:38	67320.001	5.984	10.12	9.422
8/3/2021 6:39	67380.001	5.983	10.133	9.424
8/3/2021 6:40	67440.001	5.982	10.09	9.427
8/3/2021 6:41	67500.001	5.984	10.136	9.422
8/3/2021 6:42	67560.001	5.982	10.131	9.427
8/3/2021 6:43	67620.001	5.984	10.139	9.422
8/3/2021 6:44	67680.001	5.98	10.122	9.432
8/3/2021 6:45	67740.001	5.983	10.125	9.425
8/3/2021 6:46	67800.001	5.983	10.096	9.425
8/3/2021 6:47	67860.001	5.983	10.129	9.425
8/3/2021 6:48	67920.001	5.98	10.133	9.432
8/3/2021 6:49	67980.001	5.983	10.135	9.424
8/3/2021 6:50	68040.001	5.981	10.131	9.429

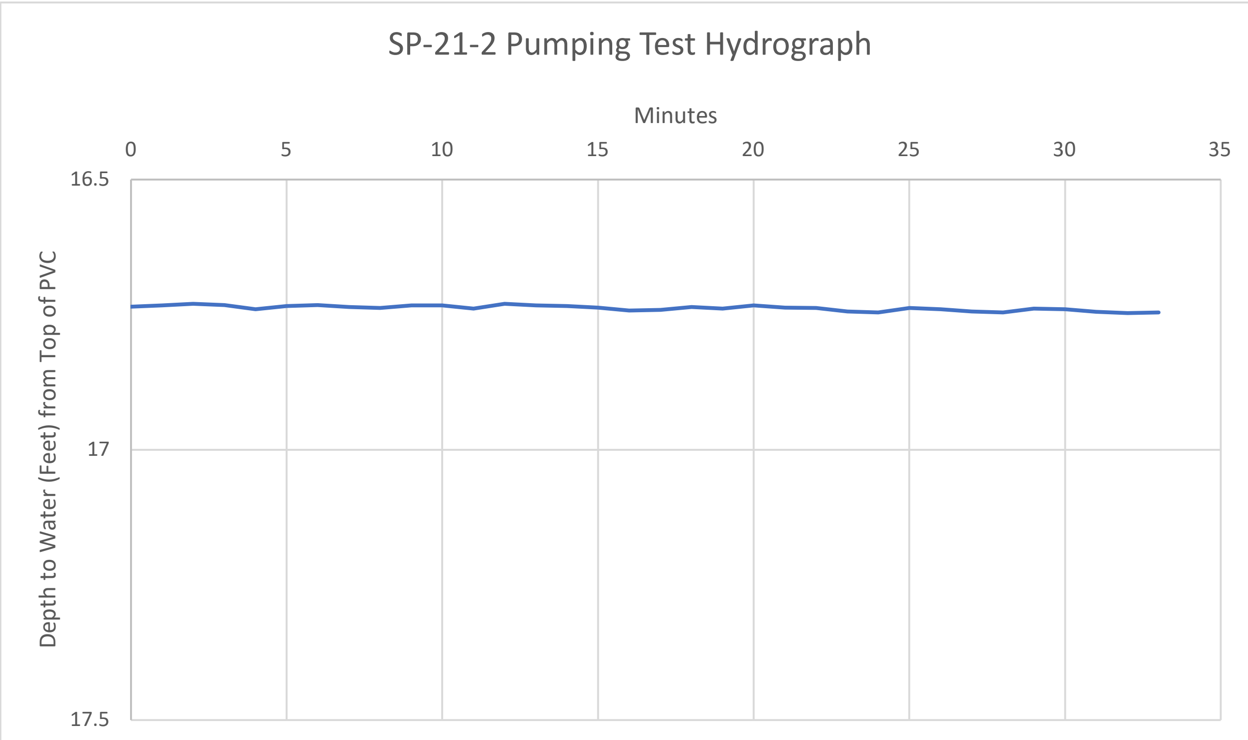
8/3/2021 6:51	68100.001	5.982	10.128	9.428
8/3/2021 6:52	68160.001	5.98	10.129	9.432
8/3/2021 6:53	68220.001	5.982	10.106	9.426
8/3/2021 6:54	68280.001	5.981	10.127	9.428
8/3/2021 6:55	68340.001	5.982	10.131	9.426
8/3/2021 6:56	68400.001	5.981	10.104	9.429
8/3/2021 6:57	68460.001	5.981	10.127	9.429
8/3/2021 6:58	68520.001	5.982	10.134	9.427
8/3/2021 6:59	68580.001	5.982	10.091	9.427
8/3/2021 7:00	68640.001	5.979	10.097	9.434
8/3/2021 7:01	68700.001	5.98	10.088	9.431
8/3/2021 7:02	68760.001	5.979	10.138	9.433
8/3/2021 7:03	68820.001	5.98	10.123	9.431
8/3/2021 7:04	68880.001	5.981	10.12	9.429
8/3/2021 7:05	68940.001	5.98	10.093	9.431
8/3/2021 7:06	69000.001	5.983	10.128	9.424

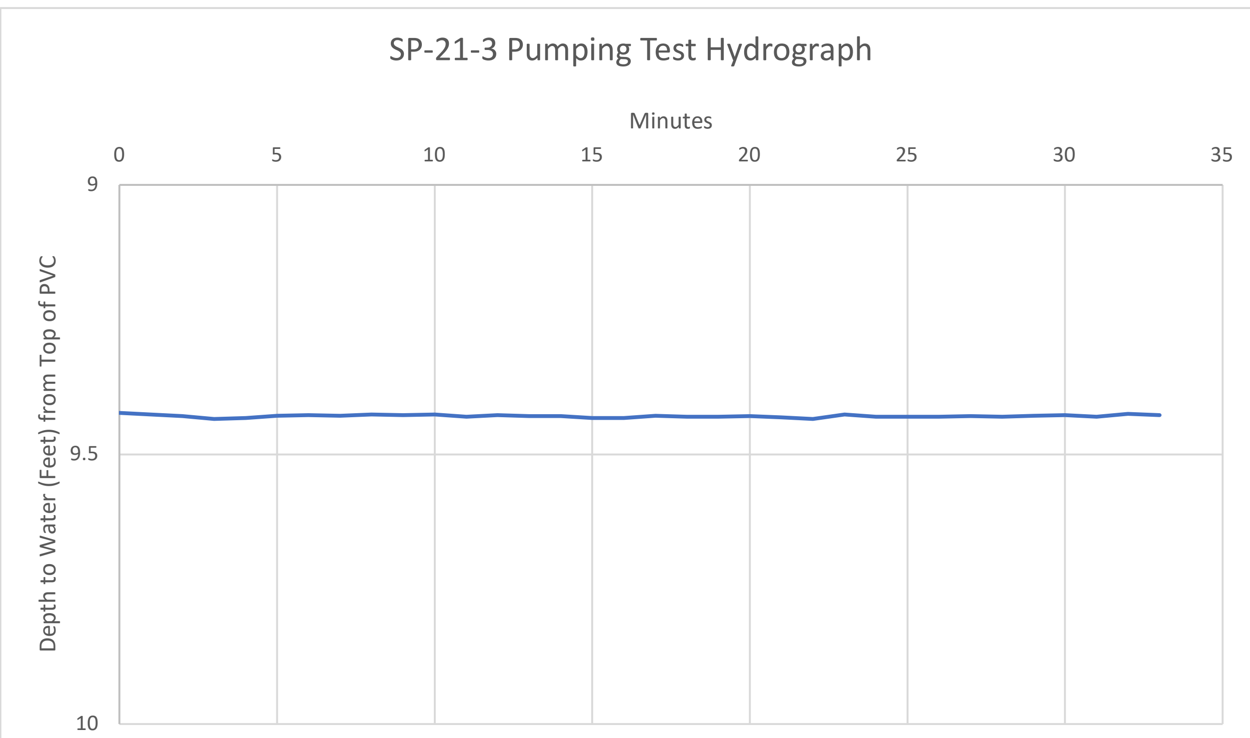
APPENDIX G

PUMPING TEST DATA WITH HYDROGRAPHS


RW-5B Pumping Test Hydrograph
Minutes
0
5
10
15
20
25
30
35
Depth to Water (Feet) from Top of PVC
0
5
10
15
20
25
30
Note: Well pumpd dry at a depth to water of ~27.7 ft after ~15 minutes


SP-21-1 Pumping Test Hydrograph
Minutes
0
5
10
15
20
25
30
35
Depth to Water (Feet) from Top of PVC
16.5
17
17.5


SP-21-2 Pumping Test Hydrograph
Minutes
0
5
10
15
20
25
30
35
16.5
17
17.5
Depth to Water (Feet) from Top of PVC


SP-21-3 Pumping Test Hydrograph
Minutes
0
5
10
15
20
25
30
35
9
9.5
10
Depth to Water (Feet) from Top of PVC

Report Date: 8/3/2021 8:09
Report User Name: OBI
Report Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.3.0

Log File Properties
File Name RW-5B_PUMP 2021-08-03 07.50.40.wsl
Create Date 8/3/2021 7:49

Device Properties
Device Level TROLL 700
Site ROME LF
Device Name
Serial Number 774249

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 774249 Pressure (PSI)	Sensor: Pres(G) 35ft SN#: 774249 Temperature (C)	Sensor: Pres(G) 35ft SN#: 774249 Level Depth To Water (ft)
8/3/2021 7:07	68490.001	3.957	10.861	18.558
8/3/2021 7:07	68505.001	3.958	10.854	18.555
8/3/2021 7:07	68520.001	3.956	10.852	18.561
8/3/2021 7:07	68535.001	3.711	10.821	19.127
8/3/2021 7:08	68550.048	3.585	10.884	19.417
8/3/2021 7:08	68565.001	3.463	10.832	19.7
8/3/2021 7:08	68580.048	3.338	10.883	19.988
8/3/2021 7:08	68595.001	3.218	10.853	20.265
8/3/2021 7:09	68610.048	3.102	10.848	20.533
8/3/2021 7:09	68625.001	2.99	10.826	20.792
8/3/2021 7:09	68640.048	2.874	10.867	21.059
8/3/2021 7:09	68655.001	2.756	10.848	21.331
8/3/2021 7:10	68670.048	2.651	10.87	21.575
8/3/2021 7:10	68685.001	2.537	10.854	21.836
8/3/2021 7:10	68700.047	2.429	10.879	22.086
8/3/2021 7:10	68715.001	2.331	10.865	22.313
8/3/2021 7:11	68730.049	2.228	10.89	22.552
8/3/2021 7:11	68745.001	2.126	10.877	22.786
8/3/2021 7:11	68760.048	2.027	10.87	23.014
8/3/2021 7:11	68775.001	1.926	10.869	23.249
8/3/2021 7:12	68790.048	1.827	10.911	23.476
8/3/2021 7:12	68805.001	1.751	10.887	23.652
8/3/2021 7:12	68820.048	1.708	10.914	23.751
8/3/2021 7:12	68835.001	1.663	10.897	23.855
8/3/2021 7:13	68850.048	1.609	10.928	23.98
8/3/2021 7:13	68865.001	1.563	10.924	24.086
8/3/2021 7:13	68880.047	1.516	10.979	24.196
8/3/2021 7:13	68895.001	1.472	10.99	24.296
8/3/2021 7:14	68910.047	1.425	11.006	24.406
8/3/2021 7:14	68925.001	1.375	11.017	24.521
8/3/2021 7:14	68940.31	1.32	11.073	24.646
8/3/2021 7:14	68955.001	1.272	11.087	24.759
8/3/2021 7:15	68970.309	1.224	11.122	24.87
8/3/2021 7:15	68985.001	1.179	11.161	24.974
8/3/2021 7:15	69000.309	1.143	11.207	25.057
8/3/2021 7:15	69015.001	1.1	11.218	25.155
8/3/2021 7:16	69030.309	1.06	11.255	25.248
8/3/2021 7:16	69045.001	1.02	11.299	25.34
8/3/2021 7:16	69060.308	0.978	11.328	25.438

8/3/2021 7:16	69075.001	0.935	11.308	25.535
8/3/2021 7:17	69090.308	0.896	11.396	25.626
8/3/2021 7:17	69105.001	0.855	11.403	25.721
8/3/2021 7:17	69120.308	0.808	11.448	25.831
8/3/2021 7:17	69135.001	0.778	11.463	25.9
8/3/2021 7:18	69150.308	0.741	11.532	25.984
8/3/2021 7:18	69165.001	0.702	11.516	26.075
8/3/2021 7:18	69180.308	0.662	11.561	26.167
8/3/2021 7:18	69195.001	0.624	11.576	26.255
8/3/2021 7:19	69210.308	0.582	11.647	26.351
8/3/2021 7:19	69225.001	0.543	11.645	26.442
8/3/2021 7:19	69240.308	0.509	11.71	26.519
8/3/2021 7:19	69255.001	0.474	11.712	26.601
8/3/2021 7:20	69270.307	0.438	11.753	26.684
8/3/2021 7:20	69285.001	0.408	11.75	26.754
8/3/2021 7:20	69300.307	0.379	11.828	26.82
8/3/2021 7:20	69315.001	0.337	11.818	26.918
8/3/2021 7:21	69330.307	0.297	11.859	27.009
8/3/2021 7:21	69345.001	0.265	11.888	27.083
8/3/2021 7:21	69360.307	0.222	11.937	27.182
8/3/2021 7:21	69375.001	0.187	11.917	27.263
8/3/2021 7:22	69390.308	0.155	11.984	27.337
8/3/2021 7:22	69405.001	0.113	11.994	27.434
8/3/2021 7:22	69420.307	0.078	12.011	27.514
8/3/2021 7:22	69435.001	0.039	12.008	27.606
8/3/2021 7:23	69450.307	0.005	12.06	27.684
8/3/2021 7:23	69465.001	-0.012	12.051	27.723
8/3/2021 7:23	69480.308	-0.01	12.062	27.718
8/3/2021 7:23	69495.001	-0.018	12.057	27.738
8/3/2021 7:24	69510.307	-0.009	12.057	27.717
8/3/2021 7:24	69525.001	-0.009	12.045	27.715
8/3/2021 7:24	69540.307	-0.009	12.065	27.716
8/3/2021 7:24	69555.001	-0.01	12.041	27.717
8/3/2021 7:25	69570.306	-0.008	12.066	27.715
8/3/2021 7:25	69585.001	-0.01	12.044	27.717
8/3/2021 7:25	69600.306	-0.008	12.055	27.714
8/3/2021 7:25	69615.001	-0.008	12.024	27.715
8/3/2021 7:26	69630.306	-0.009	12.055	27.716
8/3/2021 7:26	69645.001	-0.009	12.039	27.716
8/3/2021 7:26	69660.307	-0.011	12.049	27.72
8/3/2021 7:26	69675.001	-0.011	12.04	27.721
8/3/2021 7:27	69690.306	-0.008	12.067	27.714
8/3/2021 7:27	69705.001	-0.008	12.028	27.715
8/3/2021 7:27	69720.306	-0.006	12.06	27.709
8/3/2021 7:27	69735.001	-0.006	12.026	27.709
8/3/2021 7:28	69750.306	-0.008	12.059	27.713
8/3/2021 7:28	69765.001	-0.008	12.014	27.715
8/3/2021 7:28	69780.305	-0.006	12.049	27.709
8/3/2021 7:28	69795.001	-0.006	12.046	27.71
8/3/2021 7:29	69810.306	-0.003	12.058	27.701
8/3/2021 7:29	69825.001	-0.006	12.045	27.71
8/3/2021 7:29	69840.305	-0.002	12.074	27.7
8/3/2021 7:29	69855.001	-0.003	12.022	27.702
8/3/2021 7:30	69870.305	-0.003	12.011	27.703
8/3/2021 7:30	69885.001	-0.005	11.959	27.707
8/3/2021 7:30	69900.305	-0.006	11.946	27.71
8/3/2021 7:30	69915.001	-0.009	11.902	27.717
8/3/2021 7:31	69930.305	-0.01	11.903	27.719

8/3/2021 7:31	69945.001	-0.011	11.858	27.721
8/3/2021 7:31	69960.305	-0.01	11.864	27.718
8/3/2021 7:31	69975.001	-0.012	11.844	27.722
8/3/2021 7:32	69990.305	-0.014	11.877	27.727
8/3/2021 7:32	70005.001	-0.012	11.815	27.722
8/3/2021 7:32	70020.305	-0.012	11.864	27.722
8/3/2021 7:32	70035.001	-0.01	11.853	27.719
8/3/2021 7:33	70050.305	-0.01	11.879	27.719
8/3/2021 7:33	70065.001	-0.009	11.869	27.716
8/3/2021 7:33	70080.304	-0.009	11.906	27.715
8/3/2021 7:33	70095.001	-0.01	11.901	27.719
8/3/2021 7:34	70110.306	-0.01	11.884	27.718
8/3/2021 7:34	70125.001	-0.009	11.895	27.717
8/3/2021 7:34	70140.306	-0.011	11.93	27.721
8/3/2021 7:34	70155.001	-0.011	11.926	27.721
8/3/2021 7:35	70170.305	-0.012	11.953	27.723
8/3/2021 7:35	70185.001	-0.01	11.942	27.719
8/3/2021 7:35	70200.305	-0.013	11.948	27.724
8/3/2021 7:35	70215.001	-0.013	11.945	27.725
8/3/2021 7:36	70230.306	-0.01	11.943	27.719
8/3/2021 7:36	70245.001	-0.014	11.95	27.727
8/3/2021 7:36	70260.305	-0.009	11.956	27.717
8/3/2021 7:36	70275.001	-0.013	11.986	27.726
8/3/2021 7:37	70290.305	-0.012	11.978	27.724
8/3/2021 7:37	70305.001	-0.013	11.983	27.726
8/3/2021 7:37	70320.305	-0.014	11.964	27.727
8/3/2021 7:37	70335.001	-0.017	11.949	27.734
8/3/2021 7:38	70350.305	-0.013	11.975	27.726
8/3/2021 7:38	70365.001	-0.014	11.934	27.727
8/3/2021 7:38	70380.306	-0.01	11.981	27.719
8/3/2021 7:38	70395.001	-0.009	11.973	27.716
8/3/2021 7:39	70410.306	-0.008	11.991	27.713
8/3/2021 7:39	70425.001	-0.004	11.981	27.704
8/3/2021 7:39	70440.306	-0.001	11.99	27.699
8/3/2021 7:39	70455.001	0.018	11.959	27.654
8/3/2021 7:40	70470.306	0.016	11.963	27.657
8/3/2021 7:40	70485.001	0.049	11.95	27.582
8/3/2021 7:40	70500.306	0.072	11.993	27.529
8/3/2021 7:40	70515.001	0.084	11.968	27.501

Report Date: 8/3/2021 8:09
Report User Name: OBI
Report Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.3.0

Log File Properties
File Name SP_21-1_PUMP 2021-08-03 07.55.13.wsl
Create Date 8/3/2021 7:55

Device Properties
Device Level TROLL 700
Site ROME LF
Device Name
Serial Number 455783

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 455783 Pressure (PSI)	Sensor: Pres(G) 35ft SN#: 455783 Temperature (C)	Sensor: Pres(G) 35ft SN#: 455783 Level Depth To Water (ft)
8/3/2021 7:07	71160.001	5.318	10.25	16.964
8/3/2021 7:08	71220.001	5.317	10.254	16.966
8/3/2021 7:09	71280.001	5.32	10.219	16.96
8/3/2021 7:10	71340.001	5.316	10.246	16.969
8/3/2021 7:11	71400.001	5.316	10.256	16.968
8/3/2021 7:12	71460.001	5.315	10.262	16.972
8/3/2021 7:13	71520.001	5.313	10.273	16.975
8/3/2021 7:14	71580.001	5.313	10.225	16.975
8/3/2021 7:15	71640.001	5.316	10.251	16.969
8/3/2021 7:16	71700.001	5.315	10.245	16.97
8/3/2021 7:17	71760.001	5.313	10.27	16.975
8/3/2021 7:18	71820.001	5.317	10.269	16.966
8/3/2021 7:19	71880.001	5.312	10.241	16.978
8/3/2021 7:20	71940.001	5.312	10.277	16.977
8/3/2021 7:21	72000.001	5.311	10.244	16.981
8/3/2021 7:22	72060.001	5.311	10.281	16.98
8/3/2021 7:23	72120.001	5.311	10.27	16.979
8/3/2021 7:24	72180.001	5.312	10.258	16.978
8/3/2021 7:25	72240.001	5.311	10.24	16.981
8/3/2021 7:26	72300.001	5.31	10.256	16.983
8/3/2021 7:27	72360.001	5.309	10.241	16.985
8/3/2021 7:28	72420.001	5.308	10.219	16.986
8/3/2021 7:29	72480.001	5.307	10.25	16.99
8/3/2021 7:30	72540.001	5.308	10.261	16.987
8/3/2021 7:31	72600.001	5.309	10.268	16.985
8/3/2021 7:32	72660.001	5.307	10.245	16.989
8/3/2021 7:33	72720.001	5.307	10.241	16.99
8/3/2021 7:34	72780.001	5.308	10.25	16.986
8/3/2021 7:35	72840.001	5.308	10.272	16.987
8/3/2021 7:36	72900.001	5.31	10.243	16.983
8/3/2021 7:37	72960.001	5.309	10.265	16.986
8/3/2021 7:38	73020.001	5.307	10.261	16.989
8/3/2021 7:39	73080.001	5.306	10.279	16.991
8/3/2021 7:40	73140.001	5.31	10.262	16.982

Report Date: 8/3/2021 8:10
Report User Name: OBI
Report Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.3.0

Log File Properties
File Name SP_21-2_PUMP 2021-08-03 07.57.17.wsl
Create Date 8/3/2021 7:57

Device Properties
Device Level TROLL 700
Site ROME LF

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 705676 Pressure (PSI)	Sensor: Pres(G) 35ft SN#: 705676 Temperature (C)	Sensor: Pres(G) 35ft SN#: 705676 Level Depth To Water (ft)
8/3/2021 7:07	70560.001	6.394	10.284	16.735
8/3/2021 7:08	70620.001	6.395	10.27	16.733
8/3/2021 7:09	70680.001	6.396	10.264	16.73
8/3/2021 7:10	70740.001	6.395	10.254	16.732
8/3/2021 7:11	70800.001	6.392	10.281	16.74
8/3/2021 7:12	70860.001	6.394	10.278	16.734
8/3/2021 7:13	70920.001	6.395	10.251	16.732
8/3/2021 7:14	70980.001	6.393	10.281	16.736
8/3/2021 7:15	71040.001	6.393	10.268	16.738
8/3/2021 7:16	71100.001	6.395	10.249	16.733
8/3/2021 7:17	71160.001	6.395	10.264	16.733
8/3/2021 7:18	71220.001	6.392	10.267	16.739
8/3/2021 7:19	71280.001	6.396	10.255	16.73
8/3/2021 7:20	71340.001	6.395	10.251	16.733
8/3/2021 7:21	71400.001	6.394	10.251	16.734
8/3/2021 7:22	71460.001	6.393	10.233	16.737
8/3/2021 7:23	71520.001	6.391	10.251	16.742
8/3/2021 7:24	71580.001	6.391	10.284	16.741
8/3/2021 7:25	71640.001	6.393	10.254	16.736
8/3/2021 7:26	71700.001	6.392	10.278	16.739
8/3/2021 7:27	71760.001	6.395	10.278	16.733
8/3/2021 7:28	71820.001	6.393	10.257	16.737
8/3/2021 7:29	71880.001	6.393	10.238	16.738
8/3/2021 7:30	71940.001	6.39	10.25	16.744
8/3/2021 7:31	72000.001	6.389	10.242	16.746
8/3/2021 7:32	72060.001	6.392	10.244	16.738
8/3/2021 7:33	72120.001	6.392	10.266	16.74
8/3/2021 7:34	72180.001	6.39	10.245	16.744
8/3/2021 7:35	72240.001	6.389	10.261	16.746
8/3/2021 7:36	72300.001	6.392	10.292	16.739
8/3/2021 7:37	72360.001	6.392	10.265	16.74
8/3/2021 7:38	72420.001	6.39	10.225	16.745
8/3/2021 7:39	72480.001	6.389	10.269	16.747
8/3/2021 7:40	72540.001	6.389	10.274	16.746

Report Date: 8/3/2021 8:10
Report User Name: OBI
Report Computer Name: Pocket PC
Application: WinSituMobile.exe
Application Version: 5.6.3.0

Log File Properties
File Name SP_21-3_PUMP 2021-08-03 07.59.15.wsl
Create Date 8/3/2021 7:59

Device Properties
Device Level TROLL 700
Site ROME LF
Device Name
Serial Number 707466

Date and Time	Elapsed Time Seconds	Sensor: Pres(G) 35ft SN#: 707466 Pressure (PSI)	Sensor: Pres(G) 35ft SN#: 707466 Temperature (C)	Sensor: Pres(G) 35ft SN#: 707466 Level Depth To Water (ft)
8/3/2021 7:07	69060.001	5.983	10.144	9.423
8/3/2021 7:08	69120.001	5.982	10.163	9.426
8/3/2021 7:09	69180.001	5.981	10.108	9.429
8/3/2021 7:10	69240.001	5.979	10.097	9.434
8/3/2021 7:11	69300.001	5.98	10.117	9.432
8/3/2021 7:12	69360.001	5.982	10.124	9.428
8/3/2021 7:13	69420.001	5.982	10.145	9.427
8/3/2021 7:14	69480.001	5.982	10.131	9.428
8/3/2021 7:15	69540.001	5.982	10.123	9.426
8/3/2021 7:16	69600.001	5.982	10.142	9.427
8/3/2021 7:17	69660.001	5.982	10.124	9.426
8/3/2021 7:18	69720.001	5.981	10.109	9.43
8/3/2021 7:19	69780.001	5.982	10.109	9.427
8/3/2021 7:20	69840.001	5.981	10.104	9.429
8/3/2021 7:21	69900.001	5.981	10.131	9.429
8/3/2021 7:22	69960.001	5.98	10.124	9.432
8/3/2021 7:23	70020.001	5.98	10.142	9.432
8/3/2021 7:24	70080.001	5.981	10.165	9.428
8/3/2021 7:25	70140.001	5.98	10.147	9.43
8/3/2021 7:26	70200.001	5.98	10.127	9.43
8/3/2021 7:27	70260.001	5.981	10.13	9.429
8/3/2021 7:28	70320.001	5.98	10.137	9.431
8/3/2021 7:29	70380.001	5.979	10.139	9.434
8/3/2021 7:30	70440.001	5.982	10.101	9.426
8/3/2021 7:31	70500.001	5.98	10.126	9.43
8/3/2021 7:32	70560.001	5.981	10.125	9.43
8/3/2021 7:33	70620.001	5.981	10.088	9.43
8/3/2021 7:34	70680.001	5.981	10.142	9.429
8/3/2021 7:35	70740.001	5.98	10.125	9.43
8/3/2021 7:36	70800.001	5.981	10.131	9.428
8/3/2021 7:37	70860.001	5.982	10.107	9.427
8/3/2021 7:38	70920.001	5.98	10.114	9.43
8/3/2021 7:39	70980.001	5.983	10.093	9.425
8/3/2021 7:40	71040.001	5.982	10.16	9.427

APPENDIX H

CAMP MONITORING LOGS

TANNERY ROAD LANDFILL
ROME, NEW YORK

CAMP MONITORING FORM

Name PWS **Date** 6-21-2021

Time 1130 - 1615

Weather 90°F Sunny to Rain Wind to NW up to 10 mph

Time	UPWIND PM-10 (mg/m^3)	DOWNWIND PM-10 (mg/m^3)	DOWNWIND PM-10 (mg/m^3)	COMMENTS
1132	0.41	NA	NA	VOCs = 0.0 ppm LEL = 0.0%
1144	NA	0.31	NO	VOCs = 0.0 ppm LEL = 0.0%
339	0.33	NA	NA	VOCs = 0.0 ppm LEL = 0.0%
345	NA	0.28	NA	VOCs = 0.0 ppm LEL = 0.0%
411	0.28	NA	NA	VOCs = 0.0 ppm LEL = 0.0%
414	NA	0.33	NA	VOCs = 0.0 ppm LEL = 0.0%

Daily Notes:

No Exceedances Measured, No visible particulate observed, No odors observed
Dust Track = Particulates
5 gas = VOCs; LEL

Exceedance Information:

No Exceedances

Action Taken:

None Taken

TANNERY ROAD LANDFILL
ROME, NEW YORK

CAMP MONITORING FORM

Name PWS 1 **Date** 6-22-2021

Time 740- 1812

Weather 60° F Overcast winds to NW up to 9 mph

Time	UPWIND PM-10 (mg/m³)	DOWNWIND PM-10 (mg/m³)	DOWNWIND PM-10 (mg/m³)	COMMENTS
741	0.006	NA	NA	VOCS = 0.0ppm LEL = 0.0%
745	NA	0.009	NA	VOCS = 0.0ppm LEL = 0.0%
1406	0.00	NA	NA	VOCS = 0.0ppm LEL = 0.0%
1408	NA	0.003	NA	VOCS = 0.0ppm LEL = 0.0%
1810	NA	0.004	NA	VOCS = 0.0 ppm LEL = 0.0%
1812	0.003	NA	NA	VOCS = 0.0 ppm LEL = 0.0%

Daily Notes:

Upwind Air Moniter failed at ~1400, manuel reading recorded beyond 1400.
DUST TRACK - Particulates
Mini RAE - VOCS, LEL

Exceedance Information:

NA

Action Taken:

No required actions taken

TANNERY ROAD LANDFILL
ROME, NEW YORK

CAMP MONITORING FORM

Name PWS **Date** 6-23-2021

Time 825-1833

Weather 70° F Sunny winds to NW up to 2mph

Time	UPWIND PM-10 (mg/m³)	DOWNWIND PM-10 (mg/m³)	DOWNWIND PM-10 (mg/m³)	COMMENTS
826	0.006	NA	NA	VOCs = 0.0 ppm LEL = 0.0%
830	NA	0.008	NA	VOCs = 0.0 ppm LEL = 0.0%
1249	0.007	NA	NA	VOCs = 0.0 ppm LEL = 0.0%
1251	NA	0.062	NA	VOCs = 0.0 ppm LEL = 0.0%
1828	0.010	NA	NA	VOCs = 0.0 ppm LEL = 0.0%
1833	0.00	NA	NA	VOCs = 0.0 ppm LEL = 0.0%

Daily Notes:

Dust Track = Particulates
5gas = LEL and VOCs

Exceedance Information:

None

Action Taken:

None Required

TANNERY ROAD LANDFILL
ROME, NEW YORK

CAMP MONITORING FORM

Name PWS **Date** 6-24-2021

Time 800 - 1707

Weather 70°F Sunny

Time	UPWIND PM-10 (mg/m³)	DOWNWIND PM-10 (mg/m³)	DOWNWIND PM-10 (mg/m³)	COMMENTS
759	NA	0.007	NA	VOCs = 0.0 ppm LEL = 0.0%
804	0.011	NA	NA	VOCs = 0.0 ppm LEL = 0.0%
1412	0.065	NA	NA	VOCs = 0.0 ppm LEL = 0.0%
1704	0.006	NA	NA	VOCs = 0.0 ppm LEL = 0.0%
1707	NA	0.010	NA	VOCs = 0.0 ppm LEL = 0.0%

Daily Notes:

Dust Track = Particulates
5 gas = VOCs, LEL

Exceedance Information:

NA

Action Taken:

None Required

TANNERY ROAD LANDFILL
ROME, NEW YORK

CAMP MONITORING FORM

Name Paul Scholer **Date** 7-26-2021

Time 844 - 1420

Weather 85°F Sunny

Time	UPWIND PM-10 (mg/m^3)	DOWNWIND PM-10 (mg/m^3)	DOWNWIND PM-10 (mg/m^3)	COMMENTS
844	0.053	0.021	NA	VOCs+LEL = 0ppm - 0%
1150	0.038	0.061	NA	VOC+LEL = 0ppm - 0%
1419	0.031	0.023	NA	VOC+LEL = 0ppm - 0%

Daily Notes:

NA

Exceedance Information:

No Exceedances

Action Taken:

No actions required

Appendix H

Laboratory Ground Water Analytical Data

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

April 12, 2021

Ed Fahrenkopf
Delaware Engineering
28 Madison Avenue Ext.
Albany, NY 12203

TEL: (518) 452-1290

Work Order No: 210326003

RE: Tannery Road Landfill

Dear Ed Fahrenkopf:

Adirondack Environmental Services, Inc received 8 samples on 3/26/2021 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Tara Daniels
Laboratory Director

ELAP#: 10709

Adirondack Environmental Services, Inc

CASE NARRATIVE

Delaware Engineering

Tannery Road Landfill

Date: *12-Apr-21*

Lab WorkOrder: **210326003**

Sample containers were supplied by Adirondack Environmental Services.

Definitions - RL: Reporting Limit DF: Dilution factor

Qualifiers:	ND : Not Detected at reporting limit	C: CCV below acceptable Limits
	J: Analyte detected below quantitation limit	C+: CCV above acceptable Limits
	B: Analyte detected in Blank	S: LCS Spike recovery is below acceptable limits
	X : Exceeds maximum contamination limit	S+: LCS Spike recovery is above acceptable limits
	H: Hold time exceeded	Z: Duplication outside acceptable limits
	N: Matrix Spike below acceptable limits	T : Tentatively Identified Compound-Estimated
	N+: Matrix Spike is above acceptable limits	E :Above quantitation range-Estimated

Note : All Results are reported as wet weight unless noted

The results relate only to the items tested. Information supplied by the client is assumed to be correct.

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-1S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 2:03:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-001
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HARDNESS - EPA 200.7 REV 4.4						Analyst: **KH**
(Prep: - 3/29/2021)						
Total Hardness (As CaCO3)	**6**	5		mg/L CaCO3	1	4/5/2021
ICP METALS - EPA 200.7 REV 4.4						Analyst: **KH**
(Prep: - 3/29/2021)						
Aluminum	**2.99**	0.100		mg/L	1	4/5/2021 11:13:00 AM
Antimony	**ND**	0.060		mg/L	1	4/5/2021 11:13:00 AM
Arsenic	**ND**	0.005		mg/L	1	4/5/2021 11:13:00 AM
Barium	**ND**	0.010		mg/L	1	4/5/2021 11:13:00 AM
Beryllium	**ND**	0.005		mg/L	1	4/5/2021 11:13:00 AM
Boron	**ND**	0.050		mg/L	1	4/5/2021 11:13:00 AM
Cadmium	**ND**	0.005		mg/L	1	4/5/2021 11:13:00 AM
Calcium	**1.63**	0.050		mg/L	1	4/5/2021 11:13:00 AM
Chromium	**ND**	0.005		mg/L	1	4/5/2021 11:13:00 AM
Cobalt	**ND**	0.050		mg/L	1	4/5/2021 11:13:00 AM
Copper	**ND**	0.005		mg/L	1	4/5/2021 11:13:00 AM
Iron	**1.28**	0.050		mg/L	1	4/5/2021 11:13:00 AM
Lead	**ND**	0.005		mg/L	1	4/5/2021 11:13:00 AM
Magnesium	**0.340**	0.050		mg/L	1	4/5/2021 11:13:00 AM
Manganese	**0.025**	0.020		mg/L	1	4/5/2021 11:13:00 AM
Nickel	**ND**	0.020		mg/L	1	4/5/2021 11:13:00 AM
Potassium	**0.110**	0.050		mg/L	1	4/5/2021 11:13:00 AM
Selenium	**ND**	0.005		mg/L	1	4/5/2021 11:13:00 AM
Silver	**ND**	0.010		mg/L	1	4/5/2021 11:13:00 AM
Sodium	**0.764**	0.050		mg/L	1	4/5/2021 11:13:00 AM
Thallium	**ND**	0.010		mg/L	1	4/5/2021 11:13:00 AM
Vanadium	**ND**	0.020		mg/L	1	4/5/2021 11:13:00 AM
Zinc	**0.029**	0.010		mg/L	1	4/5/2021 11:13:00 AM
MERCURY - EPA 245.1 REV 3.0						Analyst: **AVB**
(Prep: E245.1 - 3/29/2021)						
Mercury	**ND**	0.0002		mg/L	1	3/29/2021 2:58:59 PM
ANIONS BY ION CHROMATOGRAPHY - EPA 300.0 REV 2.1						Analyst: **CC**
Chloride	**ND**	2.00		mg/L	2	3/26/2021 5:06:53 PM
Bromide	**ND**	1.00		mg/L	2	3/26/2021 5:06:53 PM
Nitrate, Nitrogen (As N)	**0.06**	0.04		mg/L	2	3/26/2021 5:06:53 PM
Sulfate	**4.48**	2.00		mg/L	2	3/26/2021 5:06:53 PM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-1S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 2:03:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-001
PO#:		**Matrix:**	GROUNDWATER

BASELINE VOLATILES EPA 8260C - (SW5030C PREP) Analyst: **SMD**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Chloromethane	**ND**	10	C	µg/L	1	3/31/2021 1:33:00 AM
Bromomethane	**ND**	10	SC	µg/L	1	3/31/2021 1:33:00 AM
Vinyl chloride	**ND**	10		µg/L	1	3/31/2021 1:33:00 AM
Chloroethane	**ND**	10		µg/L	1	3/31/2021 1:33:00 AM
Methylene chloride	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
Acetone	**ND**	10		µg/L	1	3/31/2021 1:33:00 AM
Iodomethane	**ND**	10	C	µg/L	1	3/31/2021 1:33:00 AM
Acrylonitrile	**ND**	25		µg/L	1	3/31/2021 1:33:00 AM
Trichlorofluoromethane	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
Carbon disulfide	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
1,1-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
1,1-Dichloroethane	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
trans-1,2-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
2,2-Dichloropropane	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
cis-1,2-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
Bromochloromethane	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
Chloroform	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
1,2-Dichloroethane	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
2-Butanone	**ND**	10		µg/L	1	3/31/2021 1:33:00 AM
1,1,1-Trichloroethane	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
Carbon tetrachloride	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
Vinyl acetate	**ND**	10		µg/L	1	3/31/2021 1:33:00 AM
Bromodichloromethane	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
1,2-Dichloropropane	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
cis-1,3-Dichloropropene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
1,2,3-Trichloropropane	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
Dibromomethane	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
Trichloroethene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
Dibromochloromethane	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
1,1,2-Trichloroethane	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
Benzene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
trans-1,3-Dichloropropene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
Bromoform	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
2-Hexanone	**ND**	10		µg/L	1	3/31/2021 1:33:00 AM
4-Methyl-2-pentanone	**ND**	10		µg/L	1	3/31/2021 1:33:00 AM
Tetrachloroethene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
1,1,2,2-Tetrachloroethane	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
1,2-Dibromoethane	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
Toluene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
Chlorobenzene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-1S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 2:03:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-001
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BASELINE VOLATILES EPA 8260C - (SW5030C PREP)						Analyst: **SMD**
1,1,1,2-Tetrachloroethane	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
Ethylbenzene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
Styrene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
o-Xylene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
m,p-Xylene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
trans-1,4-Dichloro-2-butene	**ND**	10		µg/L	1	3/31/2021 1:33:00 AM
1,3-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
1,4-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
1,2-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 1:33:00 AM
1,2-Dibromo-3-chloropropane	**ND**	10		µg/L	1	3/31/2021 1:33:00 AM
Surr: 1,2-Dichloroethane-d4	**97.7**	74-127		%REC	1	3/31/2021 1:33:00 AM
Surr: 4-Bromofluorobenzene	**86.3**	74-128		%REC	1	3/31/2021 1:33:00 AM
Surr: Toluene-d8	**104**	75-127		%REC	1	3/31/2021 1:33:00 AM
ALKALINITY TO PH 4.5 -SM 2320B-2011						Analyst: **JH**
Alkalinity, Total (As CaCO3)	**2**	1		mgCaCO3/L	1	4/8/2021
AMMONIA (NON-DISTILLED) - EPA 350.1 REV 2.0						Analyst: **KB**
Nitrogen, Ammonia (As N)	**ND**	0.1		mg/L	1	4/8/2021 11:25:35 AM
BOD, 5 DAY, 20°C - SM 5210B-2011						Analyst: **SH**
Biochemical Oxygen Demand	**ND**	4		mg/L	1	3/26/2021 3:55:00 PM
CHEMICAL OXYGEN DEMAND - EPA 410.4 REV 2.0						Analyst: **CC**
Chemical Oxygen Demand	**13**	5	X	mg/L	1	4/12/2021 11:58:00 AM
CYANIDE, TOTAL - EPA 335.4 REV 1.0 (Prep: 335.4 - 3/26/2021)						Analyst: **KB**
Cyanide	**ND**	0.010		mg/L	1	3/30/2021 12:25:50 PM
PHENOLS, TOTAL - EPA 420.1 REV 1978 (Prep: Method - 4/2/2021)						Analyst: **KB**
Phenolics, Total Recoverable	**ND**	0.004		mg/L	1	4/9/2021
TOTAL DISSOLVED SOLIDS - SM 2540C-2011						Analyst: **JH**

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-1S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 2:03:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-001
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM 2540C-2011						Analyst: **JH**
TDS (Residue, Filterable)	**ND**	5		mg/L	1	3/31/2021
TKN (INCL PREP) - SM 4500 N C-2011						Analyst: **JH**
(Prep: SM4500-N C - 4/9/2021	**)**					
Nitrogen, Kjeldahl, Total	**1.7**	1.0		mg/L	1	4/12/2021
TOTAL ORGANIC CARBON - SM 5310C-2011						Analyst: **CP**
Total Organic Carbon	**9.2**	1.0		mg/L	1	3/31/2021 5:40:00 AM
TRUE COLOR (PLATINUM-COBALT)-SM 2120B-2011						Analyst: **KB**
Color	**8**	5		cpu@pH5	1	3/26/2021 1:00:00 PM
HEXAVALENT CHROMIUM - SM3500-CR B-2011						Analyst: **CP**
Chromium, Hexavalent	**ND**	0.02		mg/L	1	3/26/2021 10:15:00 AM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT: Delaware Engineering
Work Order: 210326003
Reference: Tannery Road Landfill /
PO#:

Client Sample ID: MW-2D
Collection Date: 3/25/2021 2:01:00 PM
Lab Sample ID: 210326003-002
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HARDNESS - EPA 200.7 REV 4.4						Analyst: **KH**
(Prep: - 3/29/2021)						
Total Hardness (As CaCO3)	**90**	5		mg/L CaCO3	1	4/5/2021
ICP METALS - EPA 200.7 REV 4.4						Analyst: **KH**
(Prep: - 3/29/2021)						
Aluminum	**ND**	0.100		mg/L	1	4/5/2021 11:19:00 AM
Antimony	**ND**	0.060		mg/L	1	4/5/2021 11:19:00 AM
Arsenic	**ND**	0.005		mg/L	1	4/5/2021 11:19:00 AM
Barium	**0.094**	0.010		mg/L	1	4/5/2021 11:19:00 AM
Beryllium	**ND**	0.005		mg/L	1	4/5/2021 11:19:00 AM
Boron	**ND**	0.050		mg/L	1	4/5/2021 11:19:00 AM
Cadmium	**ND**	0.005		mg/L	1	4/5/2021 11:19:00 AM
Calcium	**28.4**	0.050		mg/L	1	4/5/2021 11:19:00 AM
Chromium	**ND**	0.005		mg/L	1	4/5/2021 11:19:00 AM
Cobalt	**ND**	0.050		mg/L	1	4/5/2021 11:19:00 AM
Copper	**ND**	0.005		mg/L	1	4/5/2021 11:19:00 AM
Iron	**9.68**	0.050		mg/L	1	4/5/2021 11:19:00 AM
Lead	**ND**	0.005		mg/L	1	4/5/2021 11:19:00 AM
Magnesium	**4.71**	0.050		mg/L	1	4/5/2021 11:19:00 AM
Manganese	**0.835**	0.020		mg/L	1	4/5/2021 11:19:00 AM
Nickel	**ND**	0.020		mg/L	1	4/5/2021 11:19:00 AM
Potassium	**2.81**	0.050		mg/L	1	4/5/2021 11:19:00 AM
Selenium	**ND**	0.005		mg/L	1	4/5/2021 11:19:00 AM
Silver	**ND**	0.010		mg/L	1	4/5/2021 11:19:00 AM
Sodium	**1.03**	0.050		mg/L	1	4/5/2021 11:19:00 AM
Thallium	**ND**	0.010		mg/L	1	4/5/2021 11:19:00 AM
Vanadium	**ND**	0.020		mg/L	1	4/5/2021 11:19:00 AM
Zinc	**ND**	0.010		mg/L	1	4/5/2021 11:19:00 AM
MERCURY - EPA 245.1 REV 3.0						Analyst: **AVB**
(Prep: E245.1 - 3/29/2021)						
Mercury	**ND**	0.0002		mg/L	1	3/29/2021 3:04:01 PM
ANIONS BY ION CHROMATOGRAPHY - EPA 300.0 REV 2.1						Analyst: **CC**
Chloride	**ND**	2.00		mg/L	2	3/26/2021 5:25:56 PM
Bromide	**ND**	1.00		mg/L	2	3/26/2021 5:25:56 PM
Nitrate, Nitrogen (As N)	**ND**	0.04		mg/L	2	3/26/2021 5:25:56 PM
Sulfate	**5.56**	2.00		mg/L	2	3/26/2021 5:25:56 PM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-2D
Work Order:	**210326003**	**Collection Date:**	3/25/2021 2:01:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-002
PO#:		**Matrix:**	GROUNDWATER

BASELINE VOLATILES EPA 8260C - (SW5030C PREP) Analyst: **SMD**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Chloromethane	**ND**	10	C	µg/L	1	3/31/2021 1:55:00 AM
Bromomethane	**ND**	10	SC	µg/L	1	3/31/2021 1:55:00 AM
Vinyl chloride	**ND**	10		µg/L	1	3/31/2021 1:55:00 AM
Chloroethane	**ND**	10		µg/L	1	3/31/2021 1:55:00 AM
Methylene chloride	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
Acetone	**ND**	10		µg/L	1	3/31/2021 1:55:00 AM
Iodomethane	**ND**	10	C	µg/L	1	3/31/2021 1:55:00 AM
Acrylonitrile	**ND**	25		µg/L	1	3/31/2021 1:55:00 AM
Trichlorofluoromethane	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
Carbon disulfide	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
1,1-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
1,1-Dichloroethane	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
trans-1,2-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
2,2-Dichloropropane	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
cis-1,2-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
Bromochloromethane	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
Chloroform	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
1,2-Dichloroethane	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
2-Butanone	**ND**	10		µg/L	1	3/31/2021 1:55:00 AM
1,1,1-Trichloroethane	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
Carbon tetrachloride	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
Vinyl acetate	**ND**	10		µg/L	1	3/31/2021 1:55:00 AM
Bromodichloromethane	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
1,2-Dichloropropane	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
cis-1,3-Dichloropropene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
1,2,3-Trichloropropane	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
Dibromomethane	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
Trichloroethene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
Dibromochloromethane	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
1,1,2-Trichloroethane	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
Benzene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
trans-1,3-Dichloropropene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
Bromoform	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
2-Hexanone	**ND**	10		µg/L	1	3/31/2021 1:55:00 AM
4-Methyl-2-pentanone	**ND**	10		µg/L	1	3/31/2021 1:55:00 AM
Tetrachloroethene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
1,1,2,2-Tetrachloroethane	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
1,2-Dibromoethane	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
Toluene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
Chlorobenzene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-2D
Work Order:	**210326003**	**Collection Date:**	3/25/2021 2:01:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-002
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BASELINE VOLATILES EPA 8260C - (SW5030C PREP)						Analyst: **SMD**
1,1,1,2-Tetrachloroethane	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
Ethylbenzene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
Styrene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
o-Xylene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
m,p-Xylene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
trans-1,4-Dichloro-2-butene	**ND**	10		µg/L	1	3/31/2021 1:55:00 AM
1,3-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
1,4-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
1,2-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 1:55:00 AM
1,2-Dibromo-3-chloropropane	**ND**	10		µg/L	1	3/31/2021 1:55:00 AM
Surr: 1,2-Dichloroethane-d4	**98.2**	74-127		%REC	1	3/31/2021 1:55:00 AM
Surr: 4-Bromofluorobenzene	**81.6**	74-128		%REC	1	3/31/2021 1:55:00 AM
Surr: Toluene-d8	**106**	75-127		%REC	1	3/31/2021 1:55:00 AM
ALKALINITY TO PH 4.5 -SM 2320B-2011						Analyst: **JH**
Alkalinity, Total (As CaCO3)	**84**	4		mgCaCO3/L	1	4/8/2021
AMMONIA (NON-DISTILLED) - EPA 350.1 REV 2.0						Analyst: **KB**
Nitrogen, Ammonia (As N)	**0.2**	0.1		mg/L	1	4/8/2021 11:27:12 AM
BOD, 5 DAY, 20°C - SM 5210B-2011						Analyst: **SH**
Biochemical Oxygen Demand	**ND**	4		mg/L	1	3/26/2021 3:55:00 PM
CHEMICAL OXYGEN DEMAND - EPA 410.4 REV 2.0						Analyst: **CC**
Chemical Oxygen Demand	**10**	5	X	mg/L	1	4/12/2021 11:58:00 AM
CYANIDE, TOTAL - EPA 335.4 REV 1.0 (Prep: 335.4 - 3/26/2021)						Analyst: **KB**
Cyanide	**ND**	0.010		mg/L	1	3/30/2021 12:27:33 PM
PHENOLS, TOTAL - EPA 420.1 REV 1978 (Prep: Method - 4/2/2021)						Analyst: **KB**
Phenolics, Total Recoverable	**ND**	0.004		mg/L	1	4/9/2021
TOTAL DISSOLVED SOLIDS - SM 2540C-2011						Analyst: **JH**

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-2D
Work Order:	**210326003**	**Collection Date:**	3/25/2021 2:01:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-002
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM 2540C-2011						Analyst: **JH**
TDS (Residue, Filterable)	**65**	5		mg/L	1	3/31/2021
TKN (INCL PREP) - SM 4500 N C-2011						Analyst: **JH**
(Prep: SM4500-N C - 4/9/2021)						
Nitrogen, Kjeldahl, Total	**2.0**	1.0		mg/L	1	4/12/2021
TOTAL ORGANIC CARBON - SM 5310C-2011						Analyst: **CP**
Total Organic Carbon	**25.2**	1.0		mg/L	1	3/31/2021 6:18:00 AM
TRUE COLOR (PLATINUM-COBALT)-SM 2120B-2011						Analyst: **KB**
Color	**150**	25		cpu@pH6	5	3/26/2021 1:00:00 PM
HEXAVALENT CHROMIUM - SM3500-CR B-2011						Analyst: **CP**
Chromium, Hexavalent	**ND**	0.02		mg/L	1	3/26/2021 10:15:00 AM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-3S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 12:22:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-003
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HARDNESS - EPA 200.7 REV 4.4						Analyst: **KH**
(Prep: - 3/29/2021)						
Total Hardness (As CaCO3)	**212**	5		mg/L CaCO3	1	4/5/2021
ICP METALS - EPA 200.7 REV 4.4						Analyst: **KH**
(Prep: - 3/29/2021)						
Aluminum	**ND**	0.100		mg/L	1	4/5/2021 11:25:00 AM
Antimony	**ND**	0.060		mg/L	1	4/5/2021 11:25:00 AM
Arsenic	**ND**	0.005		mg/L	1	4/5/2021 11:25:00 AM
Barium	**0.023**	0.010		mg/L	1	4/5/2021 11:25:00 AM
Beryllium	**ND**	0.005		mg/L	1	4/5/2021 11:25:00 AM
Boron	**ND**	0.050		mg/L	1	4/5/2021 11:25:00 AM
Cadmium	**ND**	0.005		mg/L	1	4/5/2021 11:25:00 AM
Calcium	**64.4**	0.050		mg/L	1	4/5/2021 11:25:00 AM
Chromium	**ND**	0.005		mg/L	1	4/5/2021 11:25:00 AM
Cobalt	**ND**	0.050		mg/L	1	4/5/2021 11:25:00 AM
Copper	**ND**	0.005		mg/L	1	4/5/2021 11:25:00 AM
Iron	**16.2**	0.050		mg/L	1	4/5/2021 11:25:00 AM
Lead	**ND**	0.005		mg/L	1	4/5/2021 11:25:00 AM
Magnesium	**12.4**	0.050		mg/L	1	4/5/2021 11:25:00 AM
Manganese	**0.422**	0.020		mg/L	1	4/5/2021 11:25:00 AM
Nickel	**ND**	0.020		mg/L	1	4/5/2021 11:25:00 AM
Potassium	**2.41**	0.050		mg/L	1	4/5/2021 11:25:00 AM
Selenium	**ND**	0.005		mg/L	1	4/5/2021 11:25:00 AM
Silver	**ND**	0.010		mg/L	1	4/5/2021 11:25:00 AM
Sodium	**0.907**	0.050		mg/L	1	4/5/2021 11:25:00 AM
Thallium	**ND**	0.010		mg/L	1	4/5/2021 11:25:00 AM
Vanadium	**ND**	0.020		mg/L	1	4/5/2021 11:25:00 AM
Zinc	**ND**	0.010		mg/L	1	4/5/2021 11:25:00 AM
MERCURY - EPA 245.1 REV 3.0						Analyst: **AVB**
(Prep: E245.1 - 3/29/2021)						
Mercury	**ND**	0.0002		mg/L	1	3/29/2021 3:05:41 PM
ANIONS BY ION CHROMATOGRAPHY - EPA 300.0 REV 2.1						Analyst: **CC**
Chloride	**ND**	2.00		mg/L	2	3/26/2021 5:44:58 PM
Bromide	**ND**	1.00		mg/L	2	3/26/2021 5:44:58 PM
Nitrate, Nitrogen (As N)	**ND**	0.04		mg/L	2	3/26/2021 5:44:58 PM
Sulfate	**4.08**	2.00		mg/L	2	3/26/2021 5:44:58 PM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT: Delaware Engineering
Work Order: **210326003**
Reference: Tannery Road Landfill /
PO#:

Client Sample ID: MW-3S
Collection Date: 3/25/2021 12:22:00 PM
Lab Sample ID: 210326003-003
Matrix: GROUNDWATER

BASELINE VOLATILES EPA 8260C - (SW5030C PREP) Analyst: **SMD**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Chloromethane	**ND**	10	C	µg/L	1	3/31/2021 2:17:00 AM
Bromomethane	**ND**	10	SC	µg/L	1	3/31/2021 2:17:00 AM
Vinyl chloride	**ND**	10		µg/L	1	3/31/2021 2:17:00 AM
Chloroethane	**ND**	10		µg/L	1	3/31/2021 2:17:00 AM
Methylene chloride	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
Acetone	**ND**	10		µg/L	1	3/31/2021 2:17:00 AM
Iodomethane	**ND**	10	C	µg/L	1	3/31/2021 2:17:00 AM
Acrylonitrile	**ND**	25		µg/L	1	3/31/2021 2:17:00 AM
Trichlorofluoromethane	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
Carbon disulfide	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
1,1-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
1,1-Dichloroethane	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
trans-1,2-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
2,2-Dichloropropane	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
cis-1,2-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
Bromochloromethane	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
Chloroform	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
1,2-Dichloroethane	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
2-Butanone	**ND**	10		µg/L	1	3/31/2021 2:17:00 AM
1,1,1-Trichloroethane	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
Carbon tetrachloride	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
Vinyl acetate	**ND**	10		µg/L	1	3/31/2021 2:17:00 AM
Bromodichloromethane	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
1,2-Dichloropropane	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
cis-1,3-Dichloropropene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
1,2,3-Trichloropropane	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
Dibromomethane	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
Trichloroethene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
Dibromochloromethane	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
1,1,2-Trichloroethane	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
Benzene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
trans-1,3-Dichloropropene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
Bromoform	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
2-Hexanone	**ND**	10		µg/L	1	3/31/2021 2:17:00 AM
4-Methyl-2-pentanone	**ND**	10		µg/L	1	3/31/2021 2:17:00 AM
Tetrachloroethene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
1,1,2,2-Tetrachloroethane	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
1,2-Dibromoethane	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
Toluene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
Chlorobenzene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-3S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 12:22:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-003
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BASELINE VOLATILES EPA 8260C - (SW5030C PREP)						Analyst: **SMD**
1,1,1,2-Tetrachloroethane	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
Ethylbenzene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
Styrene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
o-Xylene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
m,p-Xylene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
trans-1,4-Dichloro-2-butene	**ND**	10		µg/L	1	3/31/2021 2:17:00 AM
1,3-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
1,4-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
1,2-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 2:17:00 AM
1,2-Dibromo-3-chloropropane	**ND**	10		µg/L	1	3/31/2021 2:17:00 AM
Surr: 1,2-Dichloroethane-d4	**98.3**	74-127		%REC	1	3/31/2021 2:17:00 AM
Surr: 4-Bromofluorobenzene	**89.0**	74-128		%REC	1	3/31/2021 2:17:00 AM
Surr: Toluene-d8	**104**	75-127		%REC	1	3/31/2021 2:17:00 AM
ALKALINITY TO PH 4.5 -SM 2320B-2011						Analyst: **JH**
Alkalinity, Total (As CaCO3)	**210**	10		mgCaCO3/L	1	4/8/2021
AMMONIA (NON-DISTILLED) - EPA 350.1 REV 2.0						Analyst: **KB**
Nitrogen, Ammonia (As N)	**0.2**	0.1		mg/L	1	4/8/2021 11:30:30 AM
BOD, 5 DAY, 20°C - SM 5210B-2011						Analyst: **SH**
Biochemical Oxygen Demand	**2.6 J**	4		mg/L	1	3/26/2021 3:55:00 PM
CHEMICAL OXYGEN DEMAND - EPA 410.4 REV 2.0						Analyst: **CC**
Chemical Oxygen Demand	**17**	5	X	mg/L	1	4/12/2021 11:58:00 AM
CYANIDE, TOTAL - EPA 335.4 REV 1.0 **(Prep: 335.4 - 3/29/2021)**						Analyst: **KB**
Cyanide	**ND**	0.010		mg/L	1	3/30/2021 12:39:41 PM
PHENOLS, TOTAL - EPA 420.1 REV 1978 **(Prep: Method - 4/2/2021)**						Analyst: **KB**
Phenolics, Total Recoverable	**ND**	0.004		mg/L	1	4/9/2021
TOTAL DISSOLVED SOLIDS - SM 2540C-2011						Analyst: **JH**

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-3S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 12:22:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-003
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM 2540C-2011						Analyst: **JH**
TDS (Residue, Filterable)	**150**	5		mg/L	1	3/31/2021
TKN (INCL PREP) - SM 4500 N C-2011						Analyst: **JH**
(Prep: SM4500-N C - 4/9/2021)						
Nitrogen, Kjeldahl, Total	**ND**	1.0		mg/L	1	4/12/2021
TOTAL ORGANIC CARBON - SM 5310C-2011						Analyst: **CP**
Total Organic Carbon	**57.8**	1.0		mg/L	1	3/31/2021 6:38:00 AM
TRUE COLOR (PLATINUM-COBALT)-SM 2120B-2011						Analyst: **KB**
Color	**45**	5		cpu@pH6	1	3/26/2021 1:00:00 PM
HEXAVALENT CHROMIUM - SM3500-CR B-2011						Analyst: **CP**
Chromium, Hexavalent	**ND**	0.02		mg/L	1	3/26/2021 10:15:00 AM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-4S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 12:04:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-004
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HARDNESS - EPA 200.7 REV 4.4						Analyst: **KH**
(Prep: - 3/29/2021)						
Total Hardness (As CaCO3)	**41**	5		mg/L CaCO3	1	4/5/2021
ICP METALS - EPA 200.7 REV 4.4						Analyst: **KH**
(Prep: - 3/29/2021)						
Aluminum	**0.622**	0.100		mg/L	1	4/5/2021 11:32:00 AM
Antimony	**ND**	0.060		mg/L	1	4/5/2021 11:32:00 AM
Arsenic	**ND**	0.005		mg/L	1	4/5/2021 11:32:00 AM
Barium	**0.013**	0.010		mg/L	1	4/5/2021 11:32:00 AM
Beryllium	**ND**	0.005		mg/L	1	4/5/2021 11:32:00 AM
Boron	**ND**	0.050		mg/L	1	4/5/2021 11:32:00 AM
Cadmium	**ND**	0.005		mg/L	1	4/5/2021 11:32:00 AM
Calcium	**12.9**	0.050		mg/L	1	4/5/2021 11:32:00 AM
Chromium	**ND**	0.005		mg/L	1	4/5/2021 11:32:00 AM
Cobalt	**ND**	0.050		mg/L	1	4/5/2021 11:32:00 AM
Copper	**0.008**	0.005		mg/L	1	4/5/2021 11:32:00 AM
Iron	**2.02**	0.050		mg/L	1	4/5/2021 11:32:00 AM
Lead	**ND**	0.005		mg/L	1	4/5/2021 11:32:00 AM
Magnesium	**2.20**	0.050		mg/L	1	4/5/2021 11:32:00 AM
Manganese	**0.104**	0.020		mg/L	1	4/5/2021 11:32:00 AM
Nickel	**ND**	0.020		mg/L	1	4/5/2021 11:32:00 AM
Potassium	**0.357**	0.050		mg/L	1	4/5/2021 11:32:00 AM
Selenium	**ND**	0.005		mg/L	1	4/5/2021 11:32:00 AM
Silver	**ND**	0.010		mg/L	1	4/5/2021 11:32:00 AM
Sodium	**1.14**	0.050		mg/L	1	4/5/2021 11:32:00 AM
Thallium	**ND**	0.010		mg/L	1	4/5/2021 11:32:00 AM
Vanadium	**ND**	0.020		mg/L	1	4/5/2021 11:32:00 AM
Zinc	**ND**	0.010		mg/L	1	4/5/2021 11:32:00 AM
MERCURY - EPA 245.1 REV 3.0						Analyst: **AVB**
(Prep: E245.1 - 3/29/2021)						
Mercury	**ND**	0.0002		mg/L	1	3/29/2021 3:07:21 PM
ANIONS BY ION CHROMATOGRAPHY - EPA 300.0 REV 2.1						Analyst: **CC**
Chloride	**ND**	2.00		mg/L	2	3/26/2021 6:04:00 PM
Bromide	**ND**	1.00		mg/L	2	3/26/2021 6:04:00 PM
Nitrate, Nitrogen (As N)	**ND**	0.04		mg/L	2	3/26/2021 6:04:00 PM
Sulfate	**28.1**	2.00		mg/L	2	3/26/2021 6:04:00 PM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-4S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 12:04:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-004
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BASELINE VOLATILES EPA 8260C - (SW5030C PREP)						Analyst: **SMD**
Chloromethane	**ND**	10	C	µg/L	1	3/31/2021 2:38:00 AM
Bromomethane	**ND**	10	SC	µg/L	1	3/31/2021 2:38:00 AM
Vinyl chloride	**ND**	10		µg/L	1	3/31/2021 2:38:00 AM
Chloroethane	**ND**	10		µg/L	1	3/31/2021 2:38:00 AM
Methylene chloride	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
Acetone	**ND**	10		µg/L	1	3/31/2021 2:38:00 AM
Iodomethane	**ND**	10	C	µg/L	1	3/31/2021 2:38:00 AM
Acrylonitrile	**ND**	25		µg/L	1	3/31/2021 2:38:00 AM
Trichlorofluoromethane	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
Carbon disulfide	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
1,1-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
1,1-Dichloroethane	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
trans-1,2-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
2,2-Dichloropropane	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
cis-1,2-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
Bromochloromethane	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
Chloroform	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
1,2-Dichloroethane	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
2-Butanone	**ND**	10		µg/L	1	3/31/2021 2:38:00 AM
1,1,1-Trichloroethane	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
Carbon tetrachloride	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
Vinyl acetate	**ND**	10		µg/L	1	3/31/2021 2:38:00 AM
Bromodichloromethane	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
1,2-Dichloropropane	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
cis-1,3-Dichloropropene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
1,2,3-Trichloropropane	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
Dibromomethane	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
Trichloroethene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
Dibromochloromethane	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
1,1,2-Trichloroethane	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
Benzene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
trans-1,3-Dichloropropene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
Bromoform	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
2-Hexanone	**ND**	10		µg/L	1	3/31/2021 2:38:00 AM
4-Methyl-2-pentanone	**ND**	10		µg/L	1	3/31/2021 2:38:00 AM
Tetrachloroethene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
1,1,2,2-Tetrachloroethane	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
1,2-Dibromoethane	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
Toluene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
Chlorobenzene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-4S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 12:04:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-004
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BASELINE VOLATILES EPA 8260C - (SW5030C PREP)						Analyst: **SMD**
1,1,1,2-Tetrachloroethane	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
Ethylbenzene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
Styrene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
o-Xylene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
m,p-Xylene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
trans-1,4-Dichloro-2-butene	**ND**	10		µg/L	1	3/31/2021 2:38:00 AM
1,3-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
1,4-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
1,2-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 2:38:00 AM
1,2-Dibromo-3-chloropropane	**ND**	10		µg/L	1	3/31/2021 2:38:00 AM
Surr: 1,2-Dichloroethane-d4	**97.1**	74-127		%REC	1	3/31/2021 2:38:00 AM
Surr: 4-Bromofluorobenzene	**83.6**	74-128		%REC	1	3/31/2021 2:38:00 AM
Surr: Toluene-d8	**96.2**	75-127		%REC	1	3/31/2021 2:38:00 AM
ALKALINITY TO PH 4.5 -SM 2320B-2011						Analyst: **JH**
Alkalinity, Total (As CaCO3)	**11**	1		mgCaCO3/L	1	4/8/2021
AMMONIA (NON-DISTILLED) - EPA 350.1 REV 2.0						Analyst: **KB**
Nitrogen, Ammonia (As N)	**1.5**	0.1		mg/L	1	4/8/2021 11:35:17 AM
BOD, 5 DAY, 20°C - SM 5210B-2011						Analyst: **SH**
Biochemical Oxygen Demand	**ND**	4		mg/L	1	3/26/2021 3:55:00 PM
CHEMICAL OXYGEN DEMAND - EPA 410.4 REV 2.0						Analyst: **CC**
Chemical Oxygen Demand	**59**	5	X	mg/L	1	4/12/2021 11:58:00 AM
CYANIDE, TOTAL - EPA 335.4 REV 1.0 (Prep: 335.4 - 3/29/2021)						Analyst: **KB**
Cyanide	**ND**	0.010		mg/L	1	3/30/2021 12:41:24 PM
PHENOLS, TOTAL - EPA 420.1 REV 1978 (Prep: Method - 4/2/2021)						Analyst: **KB**
Phenolics, Total Recoverable	**ND**	0.004		mg/L	1	4/9/2021
TOTAL DISSOLVED SOLIDS - SM 2540C-2011						Analyst: **JH**

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-4S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 12:04:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-004
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM 2540C-2011						Analyst: **JH**
TDS (Residue, Filterable)	**55**	5		mg/L	1	3/31/2021
TKN (INCL PREP) - SM 4500 N C-2011						Analyst: **JH**
(Prep: SM4500-N C - 4/9/2021)						
Nitrogen, Kjeldahl, Total	**3.4**	1.0		mg/L	1	4/12/2021
TOTAL ORGANIC CARBON - SM 5310C-2011						Analyst: **CP**
Total Organic Carbon	**30.4**	1.0		mg/L	1	3/31/2021 6:57:00 AM
TRUE COLOR (PLATINUM-COBALT)-SM 2120B-2011						Analyst: **KB**
Color	**100**	10		cpu@pH5	2	3/26/2021 1:00:00 PM
HEXAVALENT CHROMIUM - SM3500-CR B-2011						Analyst: **CP**
Chromium, Hexavalent	**ND**	0.02		mg/L	1	3/26/2021 10:15:00 AM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-5S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 11:30:00 AM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-005
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HARDNESS - EPA 200.7 REV 4.4						Analyst: **KH**
(Prep: - 3/29/2021)						
Total Hardness (As CaCO3)	**98**	5		mg/L CaCO3	1	4/5/2021
ICP METALS - EPA 200.7 REV 4.4						Analyst: **KH**
(Prep: - 3/29/2021)						
Aluminum	**ND**	0.100		mg/L	1	4/5/2021 11:37:00 AM
Antimony	**ND**	0.060		mg/L	1	4/5/2021 11:37:00 AM
Arsenic	**ND**	0.005		mg/L	1	4/5/2021 11:37:00 AM
Barium	**0.018**	0.010		mg/L	1	4/5/2021 11:37:00 AM
Beryllium	**ND**	0.005		mg/L	1	4/5/2021 11:37:00 AM
Boron	**ND**	0.050		mg/L	1	4/5/2021 11:37:00 AM
Cadmium	**ND**	0.005		mg/L	1	4/5/2021 11:37:00 AM
Calcium	**28.0**	0.050		mg/L	1	4/5/2021 11:37:00 AM
Chromium	**ND**	0.005		mg/L	1	4/5/2021 11:37:00 AM
Cobalt	**ND**	0.050		mg/L	1	4/5/2021 11:37:00 AM
Copper	**ND**	0.005		mg/L	1	4/5/2021 11:37:00 AM
Iron	**5.09**	0.050		mg/L	1	4/5/2021 11:37:00 AM
Lead	**ND**	0.005		mg/L	1	4/5/2021 11:37:00 AM
Magnesium	**6.82**	0.050		mg/L	1	4/5/2021 11:37:00 AM
Manganese	**0.385**	0.020		mg/L	1	4/5/2021 11:37:00 AM
Nickel	**ND**	0.020		mg/L	1	4/5/2021 11:37:00 AM
Potassium	**2.04**	0.050		mg/L	1	4/5/2021 11:37:00 AM
Selenium	**ND**	0.005		mg/L	1	4/5/2021 11:37:00 AM
Silver	**ND**	0.010		mg/L	1	4/5/2021 11:37:00 AM
Sodium	**0.788**	0.050		mg/L	1	4/5/2021 11:37:00 AM
Thallium	**ND**	0.010		mg/L	1	4/5/2021 11:37:00 AM
Vanadium	**ND**	0.020		mg/L	1	4/5/2021 11:37:00 AM
Zinc	**ND**	0.010		mg/L	1	4/5/2021 11:37:00 AM
MERCURY - EPA 245.1 REV 3.0						Analyst: **AVB**
(Prep: E245.1 - 3/29/2021)						
Mercury	**ND**	0.0002		mg/L	1	3/29/2021 3:12:22 PM
ANIONS BY ION CHROMATOGRAPHY - EPA 300.0 REV 2.1						Analyst: **CC**
Chloride	**ND**	2.00		mg/L	2	3/26/2021 6:42:04 PM
Bromide	**ND**	1.00		mg/L	2	3/26/2021 6:42:04 PM
Nitrate, Nitrogen (As N)	**0.05**	0.04		mg/L	2	3/26/2021 6:42:04 PM
Sulfate	**6.27**	2.00		mg/L	2	3/26/2021 6:42:04 PM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-5S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 11:30:00 AM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-005
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BASELINE VOLATILES EPA 8260C - (SW5030C PREP)						Analyst: **SMD**
Chloromethane	**ND**	10	C	µg/L	1	3/31/2021 3:00:00 AM
Bromomethane	**ND**	10	SC	µg/L	1	3/31/2021 3:00:00 AM
Vinyl chloride	**ND**	10		µg/L	1	3/31/2021 3:00:00 AM
Chloroethane	**ND**	10		µg/L	1	3/31/2021 3:00:00 AM
Methylene chloride	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
Acetone	**ND**	10		µg/L	1	3/31/2021 3:00:00 AM
Iodomethane	**ND**	10	C	µg/L	1	3/31/2021 3:00:00 AM
Acrylonitrile	**ND**	25		µg/L	1	3/31/2021 3:00:00 AM
Trichlorofluoromethane	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
Carbon disulfide	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
1,1-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
1,1-Dichloroethane	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
trans-1,2-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
2,2-Dichloropropane	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
cis-1,2-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
Bromochloromethane	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
Chloroform	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
1,2-Dichloroethane	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
2-Butanone	**ND**	10		µg/L	1	3/31/2021 3:00:00 AM
1,1,1-Trichloroethane	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
Carbon tetrachloride	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
Vinyl acetate	**ND**	10		µg/L	1	3/31/2021 3:00:00 AM
Bromodichloromethane	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
1,2-Dichloropropane	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
cis-1,3-Dichloropropene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
1,2,3-Trichloropropane	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
Dibromomethane	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
Trichloroethene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
Dibromochloromethane	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
1,1,2-Trichloroethane	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
Benzene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
trans-1,3-Dichloropropene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
Bromoform	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
2-Hexanone	**ND**	10		µg/L	1	3/31/2021 3:00:00 AM
4-Methyl-2-pentanone	**ND**	10		µg/L	1	3/31/2021 3:00:00 AM
Tetrachloroethene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
1,1,2,2-Tetrachloroethane	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
1,2-Dibromoethane	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
Toluene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
Chlorobenzene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-5S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 11:30:00 AM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-005
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BASELINE VOLATILES EPA 8260C - (SW5030C PREP)						Analyst: **SMD**
1,1,1,2-Tetrachloroethane	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
Ethylbenzene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
Styrene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
o-Xylene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
m,p-Xylene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
trans-1,4-Dichloro-2-butene	**ND**	10		µg/L	1	3/31/2021 3:00:00 AM
1,3-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
1,4-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
1,2-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 3:00:00 AM
1,2-Dibromo-3-chloropropane	**ND**	10		µg/L	1	3/31/2021 3:00:00 AM
Surr: 1,2-Dichloroethane-d4	**99.4**	74-127		%REC	1	3/31/2021 3:00:00 AM
Surr: 4-Bromofluorobenzene	**85.3**	74-128		%REC	1	3/31/2021 3:00:00 AM
Surr: Toluene-d8	**103**	75-127		%REC	1	3/31/2021 3:00:00 AM
ALKALINITY TO PH 4.5 -SM 2320B-2011						Analyst: **JH**
Alkalinity, Total (As CaCO3)	**92**	4		mgCaCO3/L	1	4/8/2021
AMMONIA (NON-DISTILLED) - EPA 350.1 REV 2.0						Analyst: **KB**
Nitrogen, Ammonia (As N)	**ND**	0.1		mg/L	1	4/8/2021 11:36:49 AM
BOD, 5 DAY, 20°C - SM 5210B-2011						Analyst: **SH**
Biochemical Oxygen Demand	**ND**	4		mg/L	1	3/26/2021 3:55:00 PM
CHEMICAL OXYGEN DEMAND - EPA 410.4 REV 2.0						Analyst: **CC**
Chemical Oxygen Demand	**13**	5	X	mg/L	1	4/12/2021 11:58:00 AM
CYANIDE, TOTAL - EPA 335.4 REV 1.0 (Prep: 335.4 - 3/29/2021)						Analyst: **KB**
Cyanide	**ND**	0.010		mg/L	1	3/30/2021 12:43:11 PM
PHENOLS, TOTAL - EPA 420.1 REV 1978 (Prep: Method - 4/2/2021)						Analyst: **KB**
Phenolics, Total Recoverable	**ND**	0.004		mg/L	1	4/9/2021
TOTAL DISSOLVED SOLIDS - SM 2540C-2011						Analyst: **JH**

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-5S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 11:30:00 AM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-005
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM 2540C-2011						Analyst: **JH**
TDS (Residue, Filterable)	**25**	5		mg/L	1	3/31/2021
TKN (INCL PREP) - SM 4500 N C-2011						Analyst: **JH**
(Prep: SM4500-N C - 4/9/2021)						
Nitrogen, Kjeldahl, Total	**ND**	1.0		mg/L	1	4/12/2021
TOTAL ORGANIC CARBON - SM 5310C-2011						Analyst: **CP**
Total Organic Carbon	**43.5**	1.0		mg/L	1	3/31/2021 7:17:00 AM
TRUE COLOR (PLATINUM-COBALT)-SM 2120B-2011						Analyst: **KB**
Color	**8**	5		cpu@pH6	1	3/26/2021 1:00:00 PM
HEXAVALENT CHROMIUM - SM3500-CR B-2011						Analyst: **CP**
Chromium, Hexavalent	**ND**	0.02	N	mg/L	1	3/26/2021 10:15:00 AM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-7D
Work Order:	**210326003**	**Collection Date:**	3/25/2021 10:24:00 AM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-006
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HARDNESS - EPA 200.7 REV 4.4						Analyst: **KH**
(Prep: - 3/29/2021)						
Total Hardness (As CaCO3)	**162**	5		mg/L CaCO3	1	4/5/2021
ICP METALS - EPA 200.7 REV 4.4						Analyst: **KH**
(Prep: - 3/29/2021)						
Aluminum	**ND**	0.100		mg/L	1	4/5/2021 11:41:00 AM
Antimony	**ND**	0.060		mg/L	1	4/5/2021 11:41:00 AM
Arsenic	**ND**	0.005		mg/L	1	4/5/2021 11:41:00 AM
Barium	**0.065**	0.010		mg/L	1	4/5/2021 11:41:00 AM
Beryllium	**ND**	0.005		mg/L	1	4/5/2021 11:41:00 AM
Boron	**0.078**	0.050		mg/L	1	4/5/2021 11:41:00 AM
Cadmium	**ND**	0.005		mg/L	1	4/5/2021 11:41:00 AM
Calcium	**43.9**	0.050		mg/L	1	4/5/2021 11:41:00 AM
Chromium	**ND**	0.005		mg/L	1	4/5/2021 11:41:00 AM
Cobalt	**ND**	0.050		mg/L	1	4/5/2021 11:41:00 AM
Copper	**ND**	0.005		mg/L	1	4/5/2021 11:41:00 AM
Iron	**18.3**	0.050		mg/L	1	4/5/2021 11:41:00 AM
Lead	**ND**	0.005		mg/L	1	4/5/2021 11:41:00 AM
Magnesium	**12.9**	0.050		mg/L	1	4/5/2021 11:41:00 AM
Manganese	**1.34**	0.020		mg/L	1	4/5/2021 11:41:00 AM
Nickel	**ND**	0.020		mg/L	1	4/5/2021 11:41:00 AM
Potassium	**7.20**	0.050		mg/L	1	4/5/2021 11:41:00 AM
Selenium	**ND**	0.005		mg/L	1	4/5/2021 11:41:00 AM
Silver	**ND**	0.010		mg/L	1	4/5/2021 11:41:00 AM
Sodium	**3.51**	0.050		mg/L	1	4/5/2021 11:41:00 AM
Thallium	**ND**	0.010		mg/L	1	4/5/2021 11:41:00 AM
Vanadium	**ND**	0.020		mg/L	1	4/5/2021 11:41:00 AM
Zinc	**ND**	0.010		mg/L	1	4/5/2021 11:41:00 AM
MERCURY - EPA 245.1 REV 3.0						Analyst: **AVB**
(Prep: E245.1 - 3/29/2021)						
Mercury	**ND**	0.0002		mg/L	1	3/29/2021 3:14:02 PM
ANIONS BY ION CHROMATOGRAPHY - EPA 300.0 REV 2.1						Analyst: **CC**
Chloride	**ND**	2.00		mg/L	2	3/26/2021 8:18:54 PM
Bromide	**ND**	1.00		mg/L	2	3/26/2021 8:18:54 PM
Nitrate, Nitrogen (As N)	**ND**	0.04		mg/L	2	3/26/2021 8:18:54 PM
Sulfate	**ND**	2.00		mg/L	2	3/26/2021 8:18:54 PM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-7D
Work Order:	**210326003**	**Collection Date:**	3/25/2021 10:24:00 AM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-006
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BASELINE VOLATILES EPA 8260C - (SW5030C PREP)						Analyst: **SMD**
Chloromethane	**ND**	10	C	µg/L	1	3/31/2021 3:22:00 AM
Bromomethane	**ND**	10	SC	µg/L	1	3/31/2021 3:22:00 AM
Vinyl chloride	**ND**	10		µg/L	1	3/31/2021 3:22:00 AM
Chloroethane	**ND**	10		µg/L	1	3/31/2021 3:22:00 AM
Methylene chloride	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
Acetone	**ND**	10		µg/L	1	3/31/2021 3:22:00 AM
Iodomethane	**ND**	10	C	µg/L	1	3/31/2021 3:22:00 AM
Acrylonitrile	**ND**	25		µg/L	1	3/31/2021 3:22:00 AM
Trichlorofluoromethane	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
Carbon disulfide	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
1,1-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
1,1-Dichloroethane	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
trans-1,2-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
2,2-Dichloropropane	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
cis-1,2-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
Bromochloromethane	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
Chloroform	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
1,2-Dichloroethane	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
2-Butanone	**ND**	10		µg/L	1	3/31/2021 3:22:00 AM
1,1,1-Trichloroethane	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
Carbon tetrachloride	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
Vinyl acetate	**ND**	10		µg/L	1	3/31/2021 3:22:00 AM
Bromodichloromethane	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
1,2-Dichloropropane	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
cis-1,3-Dichloropropene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
1,2,3-Trichloropropane	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
Dibromomethane	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
Trichloroethene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
Dibromochloromethane	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
1,1,2-Trichloroethane	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
Benzene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
trans-1,3-Dichloropropene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
Bromoform	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
2-Hexanone	**ND**	10		µg/L	1	3/31/2021 3:22:00 AM
4-Methyl-2-pentanone	**ND**	10		µg/L	1	3/31/2021 3:22:00 AM
Tetrachloroethene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
1,1,2,2-Tetrachloroethane	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
1,2-Dibromoethane	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
Toluene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
Chlorobenzene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-7D
Work Order:	**210326003**	**Collection Date:**	3/25/2021 10:24:00 AM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-006
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BASELINE VOLATILES EPA 8260C - (SW5030C PREP)						Analyst: **SMD**
1,1,1,2-Tetrachloroethane	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
Ethylbenzene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
Styrene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
o-Xylene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
m,p-Xylene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
trans-1,4-Dichloro-2-butene	**ND**	10		µg/L	1	3/31/2021 3:22:00 AM
1,3-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
1,4-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
1,2-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 3:22:00 AM
1,2-Dibromo-3-chloropropane	**ND**	10		µg/L	1	3/31/2021 3:22:00 AM
Surr: 1,2-Dichloroethane-d4	**100**	74-127		%REC	1	3/31/2021 3:22:00 AM
Surr: 4-Bromofluorobenzene	**82.3**	74-128		%REC	1	3/31/2021 3:22:00 AM
Surr: Toluene-d8	**97.7**	75-127		%REC	1	3/31/2021 3:22:00 AM
ALKALINITY TO PH 4.5 -SM 2320B-2011						Analyst: **JH**
Alkalinity, Total (As CaCO3)	**150**	10		mgCaCO3/L	1	4/8/2021
AMMONIA (NON-DISTILLED) - EPA 350.1 REV 2.0						Analyst: **KB**
Nitrogen, Ammonia (As N)	**0.1**	0.1		mg/L	1	4/8/2021 11:38:21 AM
BOD, 5 DAY, 20°C - SM 5210B-2011						Analyst: **SH**
Biochemical Oxygen Demand	**6**	4		mg/L	1	3/26/2021 3:55:00 PM
CHEMICAL OXYGEN DEMAND - EPA 410.4 REV 2.0						Analyst: **CC**
Chemical Oxygen Demand	**42**	5	X	mg/L	1	4/12/2021 11:58:00 AM
CYANIDE, TOTAL - EPA 335.4 REV 1.0 (Prep: 335.4 - 3/29/2021)						Analyst: **KB**
Cyanide	**ND**	0.010		mg/L	1	3/30/2021 12:44:56 PM
PHENOLS, TOTAL - EPA 420.1 REV 1978 (Prep: Method - 4/2/2021)						Analyst: **KB**
Phenolics, Total Recoverable	**ND**	0.004		mg/L	1	4/9/2021
TOTAL DISSOLVED SOLIDS - SM 2540C-2011						Analyst: **JH**

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT: Delaware Engineering
Work Order: **210326003**
Reference: Tannery Road Landfill /
PO#:

Client Sample ID: MW-7D
Collection Date: 3/25/2021 10:24:00 AM
Lab Sample ID: 210326003-006
Matrix: GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM 2540C-2011						Analyst: **JH**
TDS (Residue, Filterable)	**170**	5		mg/L	1	3/31/2021
TKN (INCL PREP) - SM 4500 N C-2011						Analyst: **JH**
(Prep: SM4500-N C - 4/9/2021)						
Nitrogen, Kjeldahl, Total	**3.1**	1.0		mg/L	1	4/12/2021
TOTAL ORGANIC CARBON - SM 5310C-2011						Analyst: **CP**
Total Organic Carbon	**83.4**	1.0		mg/L	1	3/31/2021 7:39:00 AM
TRUE COLOR (PLATINUM-COBALT)-SM 2120B-2011						Analyst: **KB**
Color	**360**	25		cpu@pH6	5	3/26/2021 1:00:00 PM
HEXAVALENT CHROMIUM - SM3500-CR B-2011						Analyst: **CP**
Chromium, Hexavalent	**ND**	0.02		mg/L	1	3/26/2021 10:15:00 AM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-9S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 1:15:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-007
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HARDNESS - EPA 200.7 REV 4.4						Analyst: **KH**
(Prep: - 3/29/2021)						
Total Hardness (As CaCO3)	**241**	5		mg/L CaCO3	1	4/5/2021
ICP METALS - EPA 200.7 REV 4.4						Analyst: **KH**
(Prep: - 3/29/2021)						
Aluminum	**0.373**	0.100		mg/L	1	4/5/2021 11:45:00 AM
Antimony	**ND**	0.060		mg/L	1	4/5/2021 11:45:00 AM
Arsenic	**ND**	0.005		mg/L	1	4/5/2021 11:45:00 AM
Barium	**0.101**	0.010		mg/L	1	4/5/2021 11:45:00 AM
Beryllium	**ND**	0.005		mg/L	1	4/5/2021 11:45:00 AM
Boron	**ND**	0.050		mg/L	1	4/5/2021 11:45:00 AM
Cadmium	**ND**	0.005		mg/L	1	4/5/2021 11:45:00 AM
Calcium	**76.8**	0.050		mg/L	1	4/5/2021 11:45:00 AM
Chromium	**ND**	0.005		mg/L	1	4/5/2021 11:45:00 AM
Cobalt	**ND**	0.050		mg/L	1	4/5/2021 11:45:00 AM
Copper	**0.012**	0.005		mg/L	1	4/5/2021 11:45:00 AM
Iron	**2.56**	0.050		mg/L	1	4/5/2021 11:45:00 AM
Lead	**ND**	0.005		mg/L	1	4/5/2021 11:45:00 AM
Magnesium	**12.0**	0.050		mg/L	1	4/5/2021 11:45:00 AM
Manganese	**0.694**	0.020		mg/L	1	4/5/2021 11:45:00 AM
Nickel	**ND**	0.020		mg/L	1	4/5/2021 11:45:00 AM
Potassium	**4.49**	0.050		mg/L	1	4/5/2021 11:45:00 AM
Selenium	**ND**	0.005		mg/L	1	4/5/2021 11:45:00 AM
Silver	**ND**	0.010		mg/L	1	4/5/2021 11:45:00 AM
Sodium	**35.9**	0.050		mg/L	1	4/5/2021 11:45:00 AM
Thallium	**ND**	0.010		mg/L	1	4/5/2021 11:45:00 AM
Vanadium	**ND**	0.020		mg/L	1	4/5/2021 11:45:00 AM
Zinc	**ND**	0.010		mg/L	1	4/5/2021 11:45:00 AM
MERCURY - EPA 245.1 REV 3.0						Analyst: **AVB**
(Prep: E245.1 - 3/29/2021)						
Mercury	**ND**	0.0002		mg/L	1	3/29/2021 3:15:43 PM
ANIONS BY ION CHROMATOGRAPHY - EPA 300.0 REV 2.1						Analyst: **CC**
Chloride	**ND**	2.00		mg/L	2	3/26/2021 8:38:05 PM
Bromide	**ND**	1.00		mg/L	2	3/26/2021 8:38:05 PM
Nitrate, Nitrogen (As N)	**ND**	0.04		mg/L	2	3/26/2021 8:38:05 PM
Sulfate	**6.04**	2.00		mg/L	2	3/26/2021 8:38:05 PM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-9S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 1:15:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-007
PO#:		**Matrix:**	GROUNDWATER

BASELINE VOLATILES EPA 8260C - (SW5030C PREP) Analyst: **SMD**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Chloromethane	**ND**	10	C	µg/L	1	3/31/2021 3:44:00 AM
Bromomethane	**ND**	10	SC	µg/L	1	3/31/2021 3:44:00 AM
Vinyl chloride	**ND**	10		µg/L	1	3/31/2021 3:44:00 AM
Chloroethane	**ND**	10		µg/L	1	3/31/2021 3:44:00 AM
Methylene chloride	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
Acetone	**ND**	10		µg/L	1	3/31/2021 3:44:00 AM
Iodomethane	**ND**	10	C	µg/L	1	3/31/2021 3:44:00 AM
Acrylonitrile	**ND**	25		µg/L	1	3/31/2021 3:44:00 AM
Trichlorofluoromethane	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
Carbon disulfide	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
1,1-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
1,1-Dichloroethane	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
trans-1,2-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
2,2-Dichloropropane	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
cis-1,2-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
Bromochloromethane	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
Chloroform	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
1,2-Dichloroethane	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
2-Butanone	**ND**	10		µg/L	1	3/31/2021 3:44:00 AM
1,1,1-Trichloroethane	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
Carbon tetrachloride	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
Vinyl acetate	**ND**	10		µg/L	1	3/31/2021 3:44:00 AM
Bromodichloromethane	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
1,2-Dichloropropane	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
cis-1,3-Dichloropropene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
1,2,3-Trichloropropane	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
Dibromomethane	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
Trichloroethene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
Dibromochloromethane	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
1,1,2-Trichloroethane	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
Benzene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
trans-1,3-Dichloropropene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
Bromoform	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
2-Hexanone	**ND**	10		µg/L	1	3/31/2021 3:44:00 AM
4-Methyl-2-pentanone	**ND**	10		µg/L	1	3/31/2021 3:44:00 AM
Tetrachloroethene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
1,1,2,2-Tetrachloroethane	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
1,2-Dibromoethane	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
Toluene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
Chlorobenzene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-9S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 1:15:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-007
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BASELINE VOLATILES EPA 8260C - (SW5030C PREP)						Analyst: **SMD**
1,1,1,2-Tetrachloroethane	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
Ethylbenzene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
Styrene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
o-Xylene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
m,p-Xylene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
trans-1,4-Dichloro-2-butene	**ND**	10		µg/L	1	3/31/2021 3:44:00 AM
1,3-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
1,4-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
1,2-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 3:44:00 AM
1,2-Dibromo-3-chloropropane	**ND**	10		µg/L	1	3/31/2021 3:44:00 AM
Surr: 1,2-Dichloroethane-d4	**96.0**	74-127		%REC	1	3/31/2021 3:44:00 AM
Surr: 4-Bromofluorobenzene	**81.0**	74-128		%REC	1	3/31/2021 3:44:00 AM
Surr: Toluene-d8	**98.9**	75-127		%REC	1	3/31/2021 3:44:00 AM
ALKALINITY TO PH 4.5 -SM 2320B-2011						Analyst: **JH**
Alkalinity, Total (As CaCO3)	**240**	10		mgCaCO3/L	1	4/8/2021
AMMONIA (NON-DISTILLED) - EPA 350.1 REV 2.0						Analyst: **KB**
Nitrogen, Ammonia (As N)	**ND**	0.1		mg/L	1	4/8/2021 11:39:53 AM
BOD, 5 DAY, 20°C - SM 5210B-2011						Analyst: **SH**
Biochemical Oxygen Demand	**ND**	4		mg/L	1	3/26/2021 3:55:00 PM
CHEMICAL OXYGEN DEMAND - EPA 410.4 REV 2.0						Analyst: **CC**
Chemical Oxygen Demand	**42**	5	X	mg/L	1	4/12/2021 11:58:00 AM
CYANIDE, TOTAL - EPA 335.4 REV 1.0 (Prep: 335.4 - 3/29/2021)						Analyst: **KB**
Cyanide	**ND**	0.010		mg/L	1	3/30/2021 12:46:40 PM
PHENOLS, TOTAL - EPA 420.1 REV 1978 (Prep: Method - 4/5/2021)						Analyst: **KB**
Phenolics, Total Recoverable	**ND**	0.004		mg/L	1	4/9/2021
TOTAL DISSOLVED SOLIDS - SM 2540C-2011						Analyst: **JH**

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-9S
Work Order:	**210326003**	**Collection Date:**	3/25/2021 1:15:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-007
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM 2540C-2011						Analyst: **JH**
TDS (Residue, Filterable)	**250**	5		mg/L	1	3/31/2021
TKN (INCL PREP) - SM 4500 N C-2011						Analyst: **JH**
(Prep: SM4500-N C - 4/9/2021	**)**					
Nitrogen, Kjeldahl, Total	**ND**	1.0		mg/L	1	4/12/2021
TOTAL ORGANIC CARBON - SM 5310C-2011						Analyst: **CP**
Total Organic Carbon	**62.8**	1.0		mg/L	1	3/31/2021 8:55:00 AM
TRUE COLOR (PLATINUM-COBALT)-SM 2120B-2011						Analyst: **KB**
Color	**90**	10		cpu@pH7	2	3/26/2021 1:00:00 PM
HEXAVALENT CHROMIUM - SM3500-CR B-2011						Analyst: **CP**
Chromium, Hexavalent	**ND**	0.02		mg/L	1	3/26/2021 10:15:00 AM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-10
Work Order:	**210326003**	**Collection Date:**	3/25/2021 2:44:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-008
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
HARDNESS - EPA 200.7 REV 4.4						Analyst: **KH**
(Prep: - 3/29/2021)						
Total Hardness (As CaCO3)	**395**	5		mg/L CaCO3	1	4/5/2021
ICP METALS - EPA 200.7 REV 4.4						Analyst: **KH**
(Prep: - 3/29/2021)						
Aluminum	**ND**	0.100		mg/L	1	4/5/2021 11:50:00 AM
Antimony	**ND**	0.060		mg/L	1	4/5/2021 11:50:00 AM
Arsenic	**ND**	0.005		mg/L	1	4/5/2021 11:50:00 AM
Barium	**0.538**	0.010		mg/L	1	4/5/2021 11:50:00 AM
Beryllium	**ND**	0.005		mg/L	1	4/5/2021 11:50:00 AM
Boron	**0.830**	0.050		mg/L	1	4/5/2021 11:50:00 AM
Cadmium	**ND**	0.005		mg/L	1	4/5/2021 11:50:00 AM
Calcium	**112**	0.050		mg/L	1	4/5/2021 11:50:00 AM
Chromium	**ND**	0.005		mg/L	1	4/5/2021 11:50:00 AM
Cobalt	**ND**	0.050		mg/L	1	4/5/2021 11:50:00 AM
Copper	**ND**	0.005		mg/L	1	4/5/2021 11:50:00 AM
Iron	**15.9**	0.050		mg/L	1	4/5/2021 11:50:00 AM
Lead	**ND**	0.005		mg/L	1	4/5/2021 11:50:00 AM
Magnesium	**28.0**	0.050		mg/L	1	4/5/2021 11:50:00 AM
Manganese	**0.363**	0.020		mg/L	1	4/5/2021 11:50:00 AM
Nickel	**ND**	0.020		mg/L	1	4/5/2021 11:50:00 AM
Potassium	**152**	0.050		mg/L	1	4/5/2021 11:50:00 AM
Selenium	**ND**	0.005		mg/L	1	4/5/2021 11:50:00 AM
Silver	**ND**	0.010		mg/L	1	4/5/2021 11:50:00 AM
Sodium	**68.6**	0.500		mg/L	10	4/5/2021 12:34:00 PM
Thallium	**ND**	0.010		mg/L	1	4/5/2021 11:50:00 AM
Vanadium	**ND**	0.020		mg/L	1	4/5/2021 11:50:00 AM
Zinc	**0.011**	0.010		mg/L	1	4/5/2021 11:50:00 AM
MERCURY - EPA 245.1 REV 3.0						Analyst: **AVB**
(Prep: E245.1 - 3/29/2021)						
Mercury	**ND**	0.0002		mg/L	1	3/29/2021 3:17:24 PM
ANIONS BY ION CHROMATOGRAPHY - EPA 300.0 REV 2.1						Analyst: **CC**
Chloride	**68.0**	2.00		mg/L	2	3/26/2021 8:57:08 PM
Bromide	**ND**	1.00		mg/L	2	3/26/2021 8:57:08 PM
Nitrate, Nitrogen (As N)	**ND**	0.04		mg/L	2	3/26/2021 8:57:08 PM
Sulfate	**10.6**	2.00		mg/L	2	3/26/2021 8:57:08 PM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-10
Work Order:	**210326003**	**Collection Date:**	3/25/2021 2:44:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-008
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BASELINE VOLATILES EPA 8260C - (SW5030C PREP)						Analyst: **SMD**
Chloromethane	**ND**	10	C	µg/L	1	3/31/2021 4:05:00 AM
Bromomethane	**ND**	10	SC	µg/L	1	3/31/2021 4:05:00 AM
Vinyl chloride	**ND**	10		µg/L	1	3/31/2021 4:05:00 AM
Chloroethane	**ND**	10		µg/L	1	3/31/2021 4:05:00 AM
Methylene chloride	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
Acetone	**ND**	10		µg/L	1	3/31/2021 4:05:00 AM
Iodomethane	**ND**	10	C	µg/L	1	3/31/2021 4:05:00 AM
Acrylonitrile	**ND**	25		µg/L	1	3/31/2021 4:05:00 AM
Trichlorofluoromethane	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
Carbon disulfide	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
1,1-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
1,1-Dichloroethane	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
trans-1,2-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
2,2-Dichloropropane	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
cis-1,2-Dichloroethene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
Bromochloromethane	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
Chloroform	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
1,2-Dichloroethane	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
2-Butanone	**ND**	10		µg/L	1	3/31/2021 4:05:00 AM
1,1,1-Trichloroethane	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
Carbon tetrachloride	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
Vinyl acetate	**ND**	10		µg/L	1	3/31/2021 4:05:00 AM
Bromodichloromethane	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
1,2-Dichloropropane	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
cis-1,3-Dichloropropene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
1,2,3-Trichloropropane	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
Dibromomethane	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
Trichloroethene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
Dibromochloromethane	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
1,1,2-Trichloroethane	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
Benzene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
trans-1,3-Dichloropropene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
Bromoform	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
2-Hexanone	**ND**	10		µg/L	1	3/31/2021 4:05:00 AM
4-Methyl-2-pentanone	**ND**	10		µg/L	1	3/31/2021 4:05:00 AM
Tetrachloroethene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
1,1,2,2-Tetrachloroethane	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
1,2-Dibromoethane	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
Toluene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
Chlorobenzene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-10
Work Order:	**210326003**	**Collection Date:**	3/25/2021 2:44:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-008
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
BASELINE VOLATILES EPA 8260C - (SW5030C PREP)						Analyst: **SMD**
1,1,1,2-Tetrachloroethane	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
Ethylbenzene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
Styrene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
o-Xylene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
m,p-Xylene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
trans-1,4-Dichloro-2-butene	**ND**	10		µg/L	1	3/31/2021 4:05:00 AM
1,3-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
1,4-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
1,2-Dichlorobenzene	**ND**	5		µg/L	1	3/31/2021 4:05:00 AM
1,2-Dibromo-3-chloropropane	**ND**	10		µg/L	1	3/31/2021 4:05:00 AM
Surr: 1,2-Dichloroethane-d4	**98.3**	74-127		%REC	1	3/31/2021 4:05:00 AM
Surr: 4-Bromofluorobenzene	**85.5**	74-128		%REC	1	3/31/2021 4:05:00 AM
Surr: Toluene-d8	**97.0**	75-127		%REC	1	3/31/2021 4:05:00 AM
ALKALINITY TO PH 4.5 -SM 2320B-2011						Analyst: **JH**
Alkalinity, Total (As CaCO3)	**710**	10		mgCaCO3/L	1	4/8/2021
AMMONIA (NON-DISTILLED) - EPA 350.1 REV 2.0						Analyst: **KB**
Nitrogen, Ammonia (As N)	**49.8**	2.6	X	mg/L	25.71	4/9/2021 12:05:28 PM
BOD, 5 DAY, 20°C - SM 5210B-2011						Analyst: **SH**
Biochemical Oxygen Demand	**37**	15		mg/L	1	3/26/2021 3:55:00 PM
CHEMICAL OXYGEN DEMAND - EPA 410.4 REV 2.0						Analyst: **CC**
Chemical Oxygen Demand	**111**	5	X	mg/L	1	4/12/2021 11:58:00 AM
CYANIDE, TOTAL - EPA 335.4 REV 1.0 **(Prep: 335.4 - 3/29/2021)**						Analyst: **KB**
Cyanide	**ND**	0.010		mg/L	1	3/30/2021 12:48:23 PM
PHENOLS, TOTAL - EPA 420.1 REV 1978 **(Prep: Method - 4/5/2021)**						Analyst: **KB**
Phenolics, Total Recoverable	**ND**	0.004		mg/L	1	4/9/2021
TOTAL DISSOLVED SOLIDS - SM 2540C-2011						Analyst: **JH**

Adirondack Environmental Services, Inc

Date: *12-Apr-21*

CLIENT:	Delaware Engineering	**Client Sample ID:**	MW-10
Work Order:	**210326003**	**Collection Date:**	3/25/2021 2:44:00 PM
Reference:	Tannery Road Landfill /	**Lab Sample ID:**	210326003-008
PO#:		**Matrix:**	GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM 2540C-2011						Analyst: **JH**
TDS (Residue, Filterable)	**780**	5		mg/L	1	3/31/2021
TKN (INCL PREP) - SM 4500 N C-2011						Analyst: **JH**
(Prep: SM4500-N C - 4/9/2021	**)**					
Nitrogen, Kjeldahl, Total	**49.3**	1.0		mg/L	1	4/12/2021
TOTAL ORGANIC CARBON - SM 5310C-2011						Analyst: **CP**
Total Organic Carbon	**45.3**	10.0		mg/L	10	4/1/2021 5:12:00 PM
TRUE COLOR (PLATINUM-COBALT)-SM 2120B-2011						Analyst: **KB**
Color	**160**	20		cpu@pH7	4	3/26/2021 1:00:00 PM
HEXAVALENT CHROMIUM - SM3500-CR B-2011						Analyst: **CP**
Chromium, Hexavalent	**ND**	0.02		mg/L	1	3/26/2021 10:15:00 AM

Adirondack Environmental Services, Inc.

314 North Pearl Street
Albany, NY 12207
518-434-4546 / FAX: 518-434-0891

EXPERIENCE IS THE SOLUTION

CHAIN OF CUSTODY RECORD

AES Work Order#: 210326003

COC Reference:

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Delaware Engineering

Address: 28 Madison Ave Ext Albany NY 12203

Send Report to: Ed Fahrenkopf

Project Name (Location): Tannery Rd Landfill

Samplers Name: Brent Zimmer

Client Phone #: 518 452-1290

Client PO #:

Samplers Signature: BZ

Client Email: efahrenkopf@delawareengineering.com

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=am P=pm		Sample Type Matrix	C	G	# of Cont's	Preservative	Analysis
001	MW-1S	3-25-21	14:03	A ~~P~~	GW		X	9	✓	Part 360
002	MW-2D	3-25-21	13:01	A ~~P~~	GW		X	9	✓	Base/inc
003	MW-3S	3-25-21	12:22	A ~~P~~	GW		X	9	✓	↓
004	MW-4S	3-25-21	12:04	A ~~P~~	GW		X	9	✓	↓
005	MW-5S	3-25-21	11:30	~~A~~ P	GW		X	9	✓	↓
006	MW-7D	3-25-21	10:24	~~A~~ P	GW		X	9	✓	↓
007	MW-9S	3-25-21	13:15	A ~~P~~	GW		X	9	✓	↓
008	MW-10	3-25-21	14:44	A ~~P~~	~~GW~~ Glass		X	9	✓	↓
				A P						
				A P						
				A P						
				A P						
				A P						
				A P						
				A P						

Shipment Arrived Via:
FedEx UPS Client AES Other:______

Special Instructions/Remarks:

Turnaround Time Requested:
1 Day 2 Day 3 Day 5 Day Standard

NOTE: Samples received after 3:30pm are considered next business day.

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
BZ			
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received for Laboratory by:	Date	Time
	[signature]	3/26/21	8:56am

Sample Temperature
Ambient ~ Chilled > Chilling Begun
Notes: 7°C

Properly Preserved: Y / N

0=None
1=H_2SO_4 pH<2
2=HNO_3 pH<2
3=HCl pH<2
4=$Na_2S_2O_3$
5=NH_4Cl
6=Ascorbic Acid
7=FAS
8=ZnAc/NaOH pH>9
9=NaOH pH>10
10=Other______

Received Within Holding Times: Y / N
Notes:

Custody Seal Intact: Y / N

Bottles AES: Y / N

Demo
210326003

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TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc**. are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

Appendix I

Ground Water Sampling Field Data Sheets

Ground Water Monitoring Field Data Sheet

General Information:

Site Name	Tannery Road Landfill
Date (MM/DD/YY)	3 / 25 / 21
Weather Conditions	Sunny
Field Personnel	Brent Zimmer
Additional People Present	None

Well Inspection and Purging Information:

Well Identification	MW-1S		
Physical Condition of Well	Good		
Air Monitoring Results	Not Applicable		
Depth to Water	5.25 feet	**Total Depth**	10.40 feet
Well Diameter	2 inches		
1 Well Volume	gallons	**Purge Time:** *Start*	13 : 55
Volume to be Purged (3 vol.)	2.5 gallons	*Stop*	14 : 03
Actual Volume Purged	3 gallons		
Purging Method Used	Single-use disposable bailer with new nylon rope.		

Purge Water Characteristics:

Color	CLEAR	**pH**	5.41 SU
Odor	NONE	**Conductivity**	019 umhos/cm
Turbidity	LOW	**Turbidity**	24.87 NTU
Presence of NAPL	NONE	**Dissolved Oxygen**	10.81 mg/L
Other		**Temperature**	5.0 °C
		Redox	281.3 mV
Purge Water Disposal Method	Purge water not containerized, allowed to infiltrate ground.		

Sampling Information:

Date of Sample Collection	*(MM/DD/YY)* 3 / 25 / 21
Time of Sample Collection	*(use military time)* 14 : 03
Sample Identification	MW-1S
Method of Sample Collection	Single-use disposable bailer with new nylon rope.
Sample Description	CLEAR
Filter Method, if any	N/A
Type of Preservative, if any	Cool (4°C); Leachate Indicators - as required; HNO_3 for total metals
Analytical Method(s) Requested	BASELINE NYCRR Part 360 ~~Routine~~ Parameter List - Leachate Indicators (NH_3, TKN, COD, TOC, Total Phenols, Alkalinity, NO3, TDS, SO_4, Chloride, Bromide, BOD_5, Hardness), and Total Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na)

Additional Notes/Comments:

DELAWARE ENGINEERING, P.C.
28 Madison Avenue Extension, Albany, NY 12203
(518) 452-1290/FAX (518) 452-1335

Ground Water Monitoring Field Data Sheet

General Information:

Site Name Tannery Road Landfill
Date (MM/DD/YY) 3 / 25 / 21
Weather Conditions Sunny

Field Personnel Brent Zimmer

Additional People Present None

Well Inspection and Purging Information:

Well Identification MW-2D
Physical Condition of Well Good
Air Monitoring Results Not Applicable
Depth to Water 6.40 feet
Total Depth 28.34 feet
Well Diameter 2 inches
1 Well Volume gallons
Purge Time: *Start* 12 : 35 *Stop* 12 : 52
Volume to be Purged (3 vol.) 10.97 gallons
Actual Volume Purged 11 gallons
Purging Method Used Single-use disposable bailer with new nylon rope.

Purge Water Characteristics:

Color CLEAR
Odor NONE
Turbidity LOW
Presence of NAPL NONE
Other

pH 6.97 SU
Conductivity 406 umhos/cm
Turbidity 8.02 NTU
Dissolved Oxygen 4.66 mg/L
Temperature 7.0 °C
Redox -53.1 mV

Purge Water Disposal Method Purge water not containerized, allowed to infiltrate ground.

Sampling Information:

Date of Sample Collection *(MM/DD/YY)* 3 / 25 / 21
Time of Sample Collection *(use military time)* 12 : 52
Sample Identification MW-2D
Method of Sample Collection Single-use disposable bailer with new nylon rope.
Sample Description CLEAR
Filter Method, if any N/A
Type of Preservative, if any Cool (4°C); Leachate Indicators - as required; HNO_3 for total metals

Analytical Method(s) Requested NYCRR Part 360 ~~Routine~~ BASELINE Parameter List - Leachate Indicators (NH_3, TKN, COD, TOC, Total Phenols, Alkalinity, NO3, TDS, SO_4, Chloride, Bromide, BOD_5, Hardness), and Total Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na)

Additional Notes/Comments:

Ground Water Monitoring Field Data Sheet

General Information:

Site Name Tannery Road Landfill
Date (MM/DD/YY) 3 / 25 / 21
Weather Conditions SUNNY

Field Personnel Brent Zimmer

Additional People Present NONE

Well Inspection and Purging Information:

Well Identification MW-3S
Physical Condition of Well GOOD
Air Monitoring Results Not Applicable
Depth to Water 3.52 feet
Total Depth 16.58 feet
Well Diameter 2 inches
1 Well Volume ______ gallons
Purge Time: *Start* 12 : 07 *Stop* 12 : 22
Volume to be Purged (3 vol.) 6.53 gallons
Actual Volume Purged 7 gallons
Purging Method Used Single-use disposable bailer with new nylon rope.

Purge Water Characteristics:

Color	CLEAR	**pH**	6.97	SU
Odor	NONE	**Conductivity**	406	umhos/cm
Turbidity	LOW	**Turbidity**	802	NTU
Presence of NAPL	NONE	**Dissolved Oxygen**	4.66	mg/L
Other		**Temperature**	7.0	°C
		Redox	-53.1	mV

Purge Water Disposal Method Purge water not containerized, allowed to infiltrate ground.

Sampling Information:

Date of Sample Collection *(MM/DD/YY)* 3 / 25 / 21
Time of Sample Collection *(use military time)* 12 : 22
Sample Identification MW-3S
Method of Sample Collection Single-use disposable bailer with new nylon rope.
Sample Description CLEAR
Filter Method, if any N/A
Type of Preservative, if any Cool (4°C); Leachate Indicators - as required; HNO_3 for total metals

Analytical Method(s) Requested NYCRR Part 360 ~~Routine~~ BASELINE Parameter List - Leachate Indicators (NH_3, TKN, COD, TOC, Total Phenols, Alkalinity, NO3, TDS, SO_4, Chloride, Bromide, BOD_5, Hardness), and Total Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na)

Additional Notes/Comments:

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(518) 452-1290/FAX (518) 452-1335

Ground Water Monitoring Field Data Sheet

General Information:

Site Name Tannery Road Landfill
Date (MM/DD/YY) 3 / 25 / 21
Weather Conditions SUNNY

Field Personnel Brent Zimmer

Additional People Present NONE

Well Inspection and Purging Information:

Well Identification MW-4S
Physical Condition of Well GOOD
Air Monitoring Results Not Applicable
Depth to Water 3.77 feet — **Total Depth** 16.73 feet
Well Diameter 2 inches
1 Well Volume gallons — **Purge Time:** *Start* 11 : 39
Volume to be Purged (3 vol.) 6.48 gallons — *Stop* 12 : 04
Actual Volume Purged 7 gallons
Purging Method Used Single-use disposable bailer with new nylon rope.

Purge Water Characteristics:

Color	SLIGHT ORANGE	**pH**	6.41	SU
Odor	NONE	**Conductivity**	93	umhos/cm
Turbidity	LOW	**Turbidity**	8.64	NTU
Presence of NAPL	NONE	**Dissolved Oxygen**	4.17	mg/L
Other		**Temperature**	6.6	°C
		Redox	79.6	mV

Purge Water Disposal Method Purge water not containerized, allowed to infiltrate ground.

Sampling Information:

Date of Sample Collection *(MM/DD/YY)* 3 / 25 / 21
Time of Sample Collection *(use military time)* 12 : 04
Sample Identification MW-4S
Method of Sample Collection Single-use disposable bailer with new nylon rope.
Sample Description SLIGHT ORANGE
Filter Method, if any N/A
Type of Preservative, if any Cool (4°C); Leachate Indicators - as required; HNO_3 for total metals
Analytical Method(s) Requested NYCRR Part 360 ~~Routine~~ BASELINE Parameter List - Leachate Indicators (NH_3, TKN, COD, TOC, Total Phenols, Alkalinity, NO3, TDS, SO_4, Chloride, Bromide, BOD_5, Hardness), and Total Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na)

Additional Notes/Comments:

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Ground Water Monitoring Field Data Sheet

General Information:

Site Name	Tannery Road Landfill
Date (MM/DD/YY)	3 / 25 / 21
Weather Conditions	SUNNY
Field Personnel	Brent Zimmer
Additional People Present	None

Well Inspection and Purging Information:

Well Identification	MW-5S		
Physical Condition of Well	GOOD		
Air Monitoring Results	Not Applicable		
Depth to Water	3.75 feet	**Total Depth**	18.68 feet
Well Diameter	2 inches		
1 Well Volume	gallons	**Purge Time:** *Start*	11 : 09
Volume to be Purged (3 vol.)	7.46 gallons	*Stop*	11 : 30
Actual Volume Purged	8 gallons		
Purging Method Used	Single-use disposable bailer with new nylon rope.		

Purge Water Characteristics:

Color	SLIGHT ORANGE	**pH**	6.44	SU
Odor	NONE	**Conductivity**	186	umhos/cm
Turbidity	LOW	**Turbidity**	20.19	NTU
Presence of NAPL	NONE	**Dissolved Oxygen**	4.89	mg/L
Other		**Temperature**	5.8	°C
		Redox	35.7	mV

Purge Water Disposal Method Purge water not containerized, allowed to infiltrate ground.

Sampling Information:

Date of Sample Collection	*(MM/DD/YY)* 3 / 25 / 21
Time of Sample Collection	*(use military time)* 11 : 30
Sample Identification	MW-5S
Method of Sample Collection	Single-use disposable bailer with new nylon rope.
Sample Description	SLIGHT ORANGE
Filter Method, if any	N/A
Type of Preservative, if any	Cool (4°C); Leachate Indicators - as required; HNO_3 for total metals
Analytical Method(s) Requested	NYCRR Part 360 ~~Routine~~ BASELINE Parameter List - Leachate Indicators (NH_3, TKN, COD, TOC, Total Phenols, Alkalinity, NO3, TDS, SO_4, Chloride, Bromide, BOD_5, Hardness), and Total Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na)

Additional Notes/Comments:

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Ground Water Monitoring Field Data Sheet

General Information:

Site Name	Tannery Road Landfill
Date (MM/DD/YY)	3 / 25 / 21
Weather Conditions	SUNNY
Field Personnel	Brent Zimmer
Additional People Present	NONE

Well Inspection and Purging Information:

Well Identification	MW-7D		
Physical Condition of Well	GOOD		
Air Monitoring Results	Not Applicable		
Depth to Water	9.25 feet	**Total Depth**	34.85 feet
Well Diameter	2 inches		
1 Well Volume	gallons	**Purge Time:** *Start*	10 : 04
Volume to be Purged (3 vol.)	12.8 gallons	*Stop*	10 : 24
Actual Volume Purged	13 gallons		
Purging Method Used	Single-use disposable bailer with new nylon rope.		

Purge Water Characteristics:

Color	CLEAR	**pH**	6.66 SU
Odor	NONE	**Conductivity**	345 umhos/cm
Turbidity	LOW	**Turbidity**	9.52 NTU
Presence of NAPL	NONE	**Dissolved Oxygen**	3.08 mg/L
Other		**Temperature**	9.7 °C
		Redox	-26.7 mV
Purge Water Disposal Method	Purge water not containerized, allowed to infiltrate ground.		

Sampling Information:

Date of Sample Collection	*(MM/DD/YY)* 3 / 25 / 21
Time of Sample Collection	*(use military time)* 10 : 24
Sample Identification	MW-7D
Method of Sample Collection	Single-use disposable bailer with new nylon rope.
Sample Description	CLEAR
Filter Method, if any	N/A
Type of Preservative, if any	Cool (4°C); Leachate Indicators - as required; HNO_3 for total metals
Analytical Method(s) Requested	NYCRR Part 360 ~~Routine~~ BASELINE Parameter List - Leachate Indicators (NH_3, TKN, COD, TOC, Total Phenols, Alkalinity, NO3, TDS, SO_4, Chloride, Bromide, BOD_5, Hardness), and Total Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na)

Additional Notes/Comments:

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Ground Water Monitoring Field Data Sheet

General Information:

Site Name Tannery Road Landfill
Date (MM/DD/YY) 3 / 25 / 21
Weather Conditions SUNNY

Field Personnel Brent Zimmer

Additional People Present NONE

Well Inspection and Purging Information:

Well Identification MW-9S
Physical Condition of Well GOOD
Air Monitoring Results Not Applicable
Depth to Water 3.78 feet
Total Depth 17.28 feet
Well Diameter 2 inches
1 Well Volume gallons
Purge Time: *Start* 13:12
Volume to be Purged (3 vol.) 6.75 gallons
Stop 13:15
Actual Volume Purged 4 gallons
Purging Method Used Single-use disposable bailer with new nylon rope.

Purge Water Characteristics:

Color	Slight Brown	**pH**	7.57	SU
Odor	None	**Conductivity**	399	umhos/cm
Turbidity	Low	**Turbidity**	11.30	NTU
Presence of NAPL	None	**Dissolved Oxygen**	4.47	mg/L
Other		**Temperature**	6.0	°C
		Redox	101.8	mV

Purge Water Disposal Method Purge water not containerized, allowed to infiltrate ground.

Sampling Information:

Date of Sample Collection *(MM/DD/YY)* 3 / 25 / 21
Time of Sample Collection *(use military time)* 13 : 15
Sample Identification MW-9S
Method of Sample Collection Single-use disposable bailer with new nylon rope.
Sample Description SLIGHT BROWN
Filter Method, if any N/A
Type of Preservative, if any Cool (4°C); Leachate Indicators - as required; HNO_3 for total metals

Analytical Method(s) Requested NYCRR Part 360 BASELINE ~~Routine~~ Parameter List - Leachate Indicators (NH_3, TKN, COD, TOC, Total Phenols, Alkalinity, NO3, TDS, SO_4, Chloride, Bromide, BOD_5, Hardness), and Total Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na)

Additional Notes/Comments:

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Ground Water Monitoring Field Data Sheet

General Information:

Site Name	Tannery Road Landfill
Date (MM/DD/YY)	3 / 25 / 21
Weather Conditions	SUNNY
Field Personnel	~~[illegible]~~ Brent Zimmer
Additional People Present	NONE

Well Inspection and Purging Information:

Well Identification	MW-10		
Physical Condition of Well			
Air Monitoring Results	Not Applicable		
Depth to Water	35.17 feet	**Total Depth**	feet
Well Diameter	2 inches		
1 Well Volume	N/A gallons	**Purge Time:** *Start*	N/A
Volume to be Purged (3 vol.)	N/A gallons	*Stop*	N/A
Actual Volume Purged	N/A gallons		
Purging Method Used	Single-use disposable bailer with new nylon rope.		

~~**Purge Water Characteristics:**~~ **Leachate Sample Characteristics:**

Color	Slight Gold	**pH**	7.03 SU
Odor	None	**Conductivity**	1,515 umhos/cm
Turbidity	Low	**Turbidity**	67.55 NTU
Presence of NAPL	None	**Dissolved Oxygen**	3.30 mg/L
Other		**Temperature**	13.7 °C
		Redox	-76.10 mV

Purge Water Disposal Method Leachate well - no purging required

Sampling Information:

Date of Sample Collection	*(MM/DD/YY)* 3 / 25 / 21
Time of Sample Collection	*(use military time)* 14 : 44
Sample Identification	MW-10
Method of Sample Collection	Single-use disposable bailer with new nylon rope.
Sample Description	Leachate:
Filter Method, if any	N/A
Type of Preservative, if any	Cool (4°C); Leachate Indicators - as required; HNO_3 for total metals
Analytical Method(s) Requested	NYCRR Part 360 BASELINE ~~Routine~~ Parameter List - Leachate Indicators (NH_3, TKN, COD, TOC, Total Phenols, Alkalinity, NO3, TDS, SO_4, Chloride, Bromide, BOD_5, Hardness), and Total Metals (Cd, Ca, Fe, Pb, Mg, Mn, K, Na)

Additional Notes/Comments:

MW-11 50.39

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