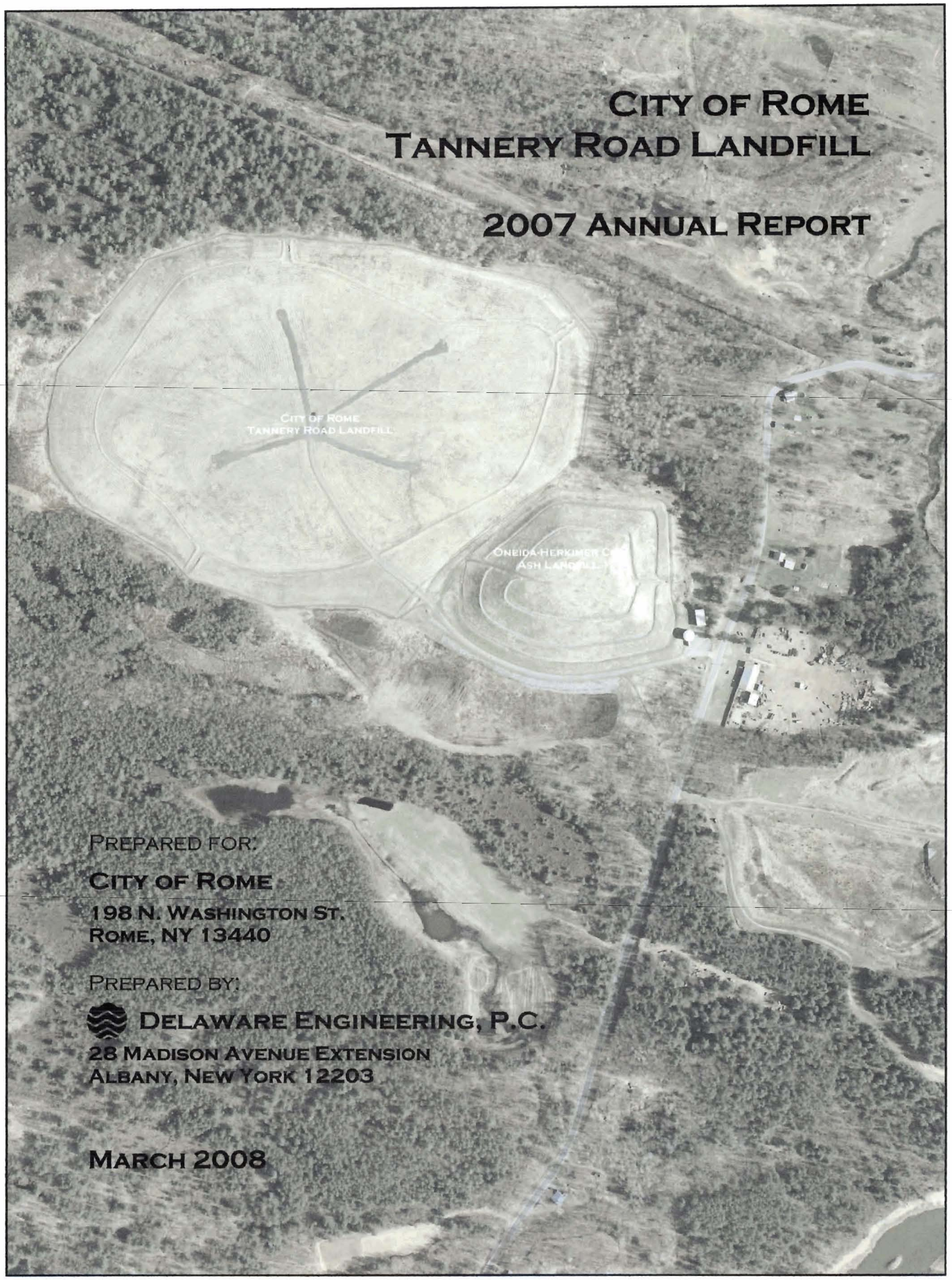

City of Rome
Tannery Road Landfill

2007 Annual Report

Prepared for:

City of Rome
198 N. Washington St.
Rome, NY 13440

Prepared by:

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Albany, New York 12203

March 2008

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1.0 INTRODUCTION

This document presents the 2007 annual 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 February 2007 through February 2008.

Pursuant to the approved Operation, Maintenance and Monitoring Plan (O&M), this annual report provides the following information:

- The results of all ground water and leachate quality analytical data.
- The amount of ground water/leachate collected from the recovery wells.
- Water level monitoring and ground water contour maps for March, June, September and December 2007.
- Monthly Inspection Data.

2.0 GROUND WATER AND LEACHTE ANALYTICAL DATA

During 2007, ground water samples were collected in March, June, September and December from monitoring wells MW-1S, MW-2D, MW-3S, MW-4S, MW-5S, MW-7D and groundwater/leachate well LMW-10. The March, September and December samples were analyzed for the NYSDEC Part 360 Routine parameters. The samples collected in June 2007 were analyzed for the Part 360 Baseline parameters.

Analytical results have been previously submitted to the NYSDEC in the quarterly monitoring reports. Tables summarizing the analytical data for each monitoring well from March 1999 to present are provided in Appendix A. Concentrations that exceeded the New York State ground water standard are presented in a bold font.

The ground water analytical data from 2007 demonstrate that ground water in the vicinity of monitoring wells MW-2D, MW-3S, MW-4S and MW-7D continue to exhibit elevated concentrations of landfill related constituents. In 2007 ground water from monitoring wells MW-2D, MW-3S, MW-4S and MW-7D consistently exhibited ammonia concentrations above the ground water standard and/or upgradient MW-9S concentrations. Potassium concentrations in ground water in the vicinity of monitoring wells MW-3S and MW-7D were higher than the upgradient MW-9S concentration as were the MW-7D iron and chloride concentrations. Ground water from monitoring well MW-7D continues to exhibit benzene and total xylenes above the ground water standard.

Graphs of parameter concentration over time (trend graphs) for several leachate indicator parameters (alkalinity, ammonia, chloride, iron, potassium, sodium, TDS) for each monitoring well are provided in Appendix B. The trend graphs indicate that MW-3S ground water alkalinity, ammonia, chloride, iron, potassium, sodium and TDS concentrations have exhibited a decreasing trend from the 1999 concentrations and appear to have stabilized at the current concentrations. Data indicate that implementation of the procedures stipulated in the Record of Decision have resulted in an improvement in the ground water quality in the vicinity of monitoring well MW-3S.

3.0 GROUND WATER ELEVATION DATA

Consistent with the O&M plan, ground water elevation data were measured monthly 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, LMW-11 and LMW-12. A summary of the 2007 ground water elevation data is provided in Table 1. Ground water contour maps for March, June, September and December 2007 have been provided in the quarterly ground water monitoring reports and are also provided in this report. Graphs depicting 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 level elevation in MW-9S are lower than the water level elevation in landfill leachate wells LMW-10, LMW-11 and LMW-12 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, if any, 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.

The monthly ground water elevation data for 2007 indicates that for most of 2007 grouund water elevations in monitoring wells MW-3S, MW-9S, MW-4S and MW-5S were higher than the LMW-10 and LMW-12 leachate monitoring well elevations (MW-3S and MW-9S nine months and MW-4S and MW-5S eight months) indicating an inward gradient at these locations. MW-2S ground water elevations were higher than the LMW-10S ground water elevations for six months, indicating an inward gradient half of the year with respect to LMW-10S. Data indicate that the leachate recovery wells have reduced the volume of leachate in the landfill and reduced the overall head difference between the landfill and the monitoring wells located outside the slurry/sheet pile wall.

4.0 SITE INSPECTIONS

4.1 Weekly Site Inspections

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

2007 of the erosion at the end of the southern stormwater swale that was repaired in 2004 using medium to heavy riprap indicated that the erosion problem in this area has been adequately resolved. The area along the fence at the southeast end of the landfill continues to be a potential area of concern. Erosion channels are present in this area and although vegetation has colonized the channel, the potential for erosion of the landfill cap is an ongoing concern. In June 2007 City of Rome personnel repaired animal burrows and areas of erosion along the diversion berm on the north side of the landfill west of the north downshute.

4.2 Monthly Inspections

Delaware Engineering performed monthly 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 and operability of the landfill flares and passive gas vents. In March, June, September and December, ground water samples were collected and submitted for analysis as discussed in Section 2.0.

Erosion along the fence at the southeast end of the landfill continues to be a concern. In the spring of 2008 it is recommended that the soil be replaced, an erosion control mat (North American Green P550 or Curlex HVHD or equivalent) be installed and the area seeded.

5.0 GROUND WATER / LEACHATE PUMPING SYSTEM

For each recovery well, readings from the flow totalizers in the meter pit were recorded during the monthly inspections. Leachate flows for each recovery well for the period from January 19, 2007 to January 23, 2008 are presented below. A summary of the monthly leachate pumping volumes is provided in Table 2.

RW-1	-1,200 gallons
RW-2	1,637,700 gallons
RW-3	488,000 gallons
RW-4	0 gallons
Total Gallons	2,121,500 gallons

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

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	1,498,300
2006 (1/17/06 to (1/19/07)	0	1,132,116	474,600	0	1,606,716
2007 (1/19/2007 to 1/23/2008	-1,200	1,634,700	488,000	0	2,121,500
Total	4,544,093	11,640,416	3,980,900	3,893,700	24,059,109

During 2007 recovery wells RW-1 and RW-4 were non 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 recover well RW-4. The City of Rome is working to obtain cost estimates for the replacement of the RW-1 and RW-4 recovery wells.

6.0 RECOMMENDATIONS

As discussed in Section 2.0, ground water from monitoring wells MW-2D, MW-3S, MW-4S and MW-7S have continue to exhibit ammonia concentrations that exceed both the NYSDEC ground water standards and upgradient MW-9S concentrations. Ground water quality adjacent to the landfill has been adequately characterized. The landfill has been capped and leachate is actively pumped from the waste mass via the on-site recovery wells. Ground water quality is not expected to significantly change on a quarterly basis. Therefore, semi-annual collection and analysis of ground water from the on-site monitoring wells would provide adequate ground water monitoring.

The City of Rome requests that NYSDEC approve a reduction in ground water monitoring to semi-annual (April and October). On an alternating basis, samples collected during one of the semi-annual events would be analyzed for the Part 360 baseline parameters and the samples from the other monitoring event would be analyzed for the Part 360 routine parameters. Ground water elevation data would continue to be obtained on a monthly basis.

TABLES

Table 1
Water Level Elevation Data, Comparison to LMW-10 and LMW-12
City of Rome Tannery Road Landfill

WELL	MEASURING POINT ELEVATION (FT.)	DEPTH TO WATER (FT.) 1/19/2007	2/21/2007	3/15/2007	4/24/2007	5/24/2007	6/21/2007	7/27/2007	8/24/2007	9/25/2007	10/26/2007	11/21/2007	12/17/2007	1/23/2008
MW-1S	449.59	4.62	5.53	4.01	4.66	5.89	7.02	8.00	8.30	8.40	5.83	4.71	6.00	6.80
MW-2S	459.44	6.18	8.2	6.05	6.42	8.5	10.72	9.98	10.12	10.25	6.26	6.09	7.62	8.35
MW-3S	456.4	3.56	3.87	2.94	3.57	4.53	4.94	6.01	6.20	6.18	3.59	3.49	3.64	3.72
MW-4S	456.19	3.66	4.1	3.57	3.81	4.45	5.25	6.60	7.13	7.18	4.11	3.77	5.07	3.91
MW-5S	457.15	4.41	5.05	2.68	4.54	5.6	6.99	8.20	8.67	9.13	4.93	4.07	4.51	4.65
MW-7S	452.25	7.1	7.88	7.66	6.81	7.68	9.50	10.97	11.45	12.02	10.48	8.73	8.29	7.65
MW-9S	456.38	3.71	3.81	3.45	3.72	4.37	4.76	6.23	6.27	6.34	3.82	3.74	3.85	3.92
LMW-10	486.3	34.52	34.97	34.95	34.66	34.82	34.92	35.40	35.55	35.71	35.8	35.26	35.28	34.85
LMW-11	502.4	51.43	51.8	51.71	51.29	51.42	51.64	52.12	52.27	52.35	52.66	52.31	52.13	51.15
LMW-12	483.11	31.6	31.91	32.03	31.57	31.64	31.80	32.35	32.65	32.99	33.19	32.62	32.61	32.05
PZ-1	454.37	5.51	7.07	4.46	5.11	7.4	8.56	9.75	10.25	10.54	7.64	5.79	7.61	7.62
MW-7D	451.79	6.89	8.21		6.53	7.91	9.50	10.94	11.54	11.95	10.24	9.22	8.59	7.59

WELL	WATER LEVEL ELEVATION (FT.) 1/19/2007	2/21/2007	3/15/2007	4/24/2007	5/24/2007	6/21/2007	7/27/2007	8/24/2007	9/25/2007	10/26/2007	11/21/2007	12/17/2007	1/23/2008
MW-1S	444.97	444.06	445.58	444.93	443.7	442.57	441.59	441.29	441.19	443.76	444.88	443.59	442.79
MW-2S	453.26	451.24	453.39	453.02	450.94	448.72	449.46	449.32	449.19	453.18	453.35	451.82	451.09
MW-3S	452.84	452.53	453.46	452.83	451.87	451.46	450.39	450.2	450.22	452.81	452.91	452.76	452.68
MW-4S	452.53	452.09	452.62	452.38	451.74	450.94	449.59	449.06	449.01	452.08	452.42	451.12	452.28
MW-5S	452.74	452.1	454.47	452.61	451.55	450.16	448.95	448.48	448.02	452.22	453.08	452.64	452.5
MW-7S	445.15	444.37	444.59	445.44	444.57	442.75	441.28	440.8	440.23	441.77	443.52	443.96	444.6
MW-9S	452.67	452.57	452.93	452.66	452.01	451.62	450.15	450.11	450.04	452.56	452.64	452.53	452.46
LMW-10	451.78	451.33	451.35	451.64	451.48	451.38	450.9	450.75	450.59	450.5	451.04	451.02	451.45
LMW-11	450.97	450.6	450.69	451.11	450.98	450.76	450.28	450.13	450.05	449.74	450.09	450.27	451.25
LMW-12	451.51	451.2	451.08	451.54	451.47	451.31	450.76	450.46	450.12	449.92	450.49	450.5	451.06
PZ-1	448.86	447.3	449.91	449.26	446.97	445.81	444.62	444.12	443.83	446.73	448.58	446.76	446.75
MW-7D	444.9	443.58		445.26	443.88	442.29	440.85	440.25	439.84	441.55	442.57	443.2	444.2

WELL	WATER LEVEL ELEVATION DIFFERENCE (FT.) RELATIVE TO LMW-12 [2] 1/19/2007	2/21/2007	3/15/2007	4/24/2007	5/24/2007	6/21/2007	7/27/2007	8/24/2007	9/25/2007	10/26/2007	11/21/2007	12/17/2007	1/23/2008
MW-1S	6.54	7.14	5.5	6.61	7.77	8.74	9.17	9.17	8.93	6.16	5.61	6.91	8.27
MW-2S	-1.75	-0.04	-2.31	-1.48	0.53	2.59	1.3	1.14	0.93	-3.26	-2.86	-1.32	-0.03
MW-3S	-1.33	-1.33	-2.38	-1.29	-0.4	-0.15	0.37	0.26	-0.1	-2.89	-2.42	-2.26	-1.62
MW-4S	-1.02	-0.89	-1.54	-0.84	-0.27	0.37	1.17	1.4	1.11	-2.16	-1.93	-0.62	-1.22
MW-5S	-1.23	-0.9	-3.39	-1.07	-0.08	1.15	1.81	1.98	2.1	-2.3	-2.59	-2.14	-1.44
MW-7S	6.36	6.83	6.49	6.1	6.9	8.56	9.48	9.66	9.89	8.15	6.97	6.54	6.46
MW-9S	-1.16	-1.37	-1.85	-1.12	-0.54	-0.31	0.61	0.35	0.08	-2.64	-2.15	-2.03	-1.4
LMW-10	-0.27	-0.13	-0.27	-0.1	-0.01	-0.07	-0.14	-0.29	-0.47	-0.58	-0.55	-0.52	-0.39
LMW-11	0.54	0.6	0.39	0.43	0.49	0.55	0.48	0.33	0.07	0.18	0.4	0.23	-0.19
LMW-12	0	0	0	0	0	0	0	0	0	0	0	0	0
PZ-1	2.65	3.9	1.17	2.28	4.5	5.5	6.14	6.34	6.29	3.19	1.91	3.74	4.31
MW-7D	6.61	7.62		6.28	7.59	9.02	9.91	10.21	10.28	8.37	7.92	7.3	6.86

WELL	WATER LEVEL ELEVATION DIFFERENCE (FT.) RELATIVE TO LMW-10 [2] 1/19/2007	2/21/2007	3/15/2007	4/24/2007	5/24/2007	6/21/2007	7/27/2007	8/24/2007	9/25/2007	10/26/2007	11/21/2007	12/17/2007	1/23/2008
MW-1S	6.81	7.27	5.77	6.71	7.78	8.81	9.31	9.46	9.4	6.74	6.16	7.43	8.66
MW-2S	-1.48	0.09	-2.04	-1.38	0.54	2.66	1.44	1.43	1.4	-2.68	-2.31	-0.8	0.36
MW-3S	-1.06	-1.2	-2.11	-1.19	-0.39	-0.08	0.51	0.55	0.37	-2.31	-1.87	-1.74	-1.23
MW-4S	-0.75	-0.76	-1.27	-0.74	-0.26	0.44	1.31	1.69	1.58	-1.58	-1.38	-0.1	-0.83
MW-5S	-0.96	-0.77	-3.12	-0.97	-0.07	1.22	1.95	2.27	2.57	-1.72	-2.04	-1.62	-1.05
MW-7S	6.63	6.96	6.76	6.2	6.91	8.63	9.62	9.95	10.36	8.73	7.52	7.06	6.85
MW-9S	-0.89	-1.24	-1.58	-1.02	-0.53	-0.24	0.75	0.64	0.55	-2.06	-1.6	-1.51	-1.01
PZ-1	2.92	4.03	1.44	2.38	4.51	5.57	6.28	6.63	6.76	3.77	2.46	4.26	4.7
MW-7D	6.88	7.75		6.38	7.6	9.09	10.05	10.5	10.75	8.95	8.47	7.82	7.25

Notes:
1) A negative number indicates an inward gradient.

Table 2
Operational Data Summary
Tannery Road Landfill
Rome, New York

Pump Station at Tannery Road
Hour Meters

	1/19/2007	2/21/2007	3/15/2007	4/24/2007	5/24/2007	6/21/2007	7/27/2007	8/24/2007	9/25/2007	10/26/2007	11/21/2007	12/17/2007	1/23/2008	1/19/2007 -1/23/2008
Pump #1	60,232	60,809	61,136	61,720	62,153	62,717	63,596	64,239	64,898	65,549	66,141	66,480	67,029	6,797
Pump #2	51,286	51,771	52,047	52,543	52,909	53,381	54,121	54,656	55,205	55,740	56,217	56,490	56,933	5,647

Totalizers in Meter Pit

	1/19/2007	2/21/2007	3/15/2007	4/24/2007	5/24/2007	6/21/2007	7/27/2007	8/24/2007	9/25/2007	10/26/2007	11/21/2007	12/17/2007	1/23/2008	1/19/2007 - 1/23/2008
RW-1	4,539,800	4,539,800	4,539,800	4,538,600	4,538,600	4,538,600	4,538,600	4,538,600	4,538,600	4,538,600	4,538,600	4,538,600	4,538,600	-1,200
RW-2	10,430,400	10,571,600	10,757,300	10,747,400	10,820,000	10,962,600	11,245,000	11,464,700	11,704,800	11,897,700	12,057,800	12,064,900	12,065,100	1,634,700
RW-3	3,492,900	3,504,700	3,539,300	3,554,000	3,595,100	3,643,500	3,700,900	3,723,900	3,788,900	3,851,000	3,900,600	3,923,600	3,980,900	488,000
RW-4	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	0
Total														2,121,500

Hour Meters

	1/19/2007	2/21/2007	3/15/2007	4/24/2007	5/24/2007	6/21/2007	7/27/2007	8/24/2007	9/25/2007	10/26/2007	11/21/2007	12/17/2007	1/23/2008	1/19/2007 - 1/23/2008
RW-1	196,865	196,865	196,865	196,865	196,865	196,865	196,865	196,865	196,865	196,865	196,865	196,865	196,865	0
RW-2	304,174	308,736	313,997	318,188	321,976	327,487	336,116	342,838	350,446	357,879	364,137	365,812	367,239	63,065
RW-3	521,264	529,069	534,322	543,870	551,058	557,772	566,392	573,115	580,722	588,155	594,413	597,212	605,150	83,886
RW-4	284,015	284,015	284,015	284,015	284,015	284,015	284,015	284,015	284,015	284,015	284,015	284,015	284,015	0

FIGURES

City of Rome
Tannery Road Landfill

March 2007
Shallow Overburden
Ground Water Contours

Feet above Mean Sea Level

Legend

- Recovery Well
- Leachate Monitoring Well
- Monitoring Well
- Piezometer
- March 2007 Groundwater Contours

N

300 150 0 300 Feet

Prepared by: Delaware Engineering, P.C. March 2008
Source: NYS Digital Ortho Imagery Spring, 2003

MW-9S
452.93

MW-2S/2D/2P/2I
453.39

MW-3S
453.46

453

RW-1

452

RW-4

LMW-10
451.35

LMW-11
450.69

MW-4S/4D/4P
452.62

451

MW-1D/1S
445.58

PZ-1
449.91

LMW-12
451.08

City of Rome Landfill

RW-2

RW-3

453

452

451

454

452

450

MW-5S/5D
454.47

449

448

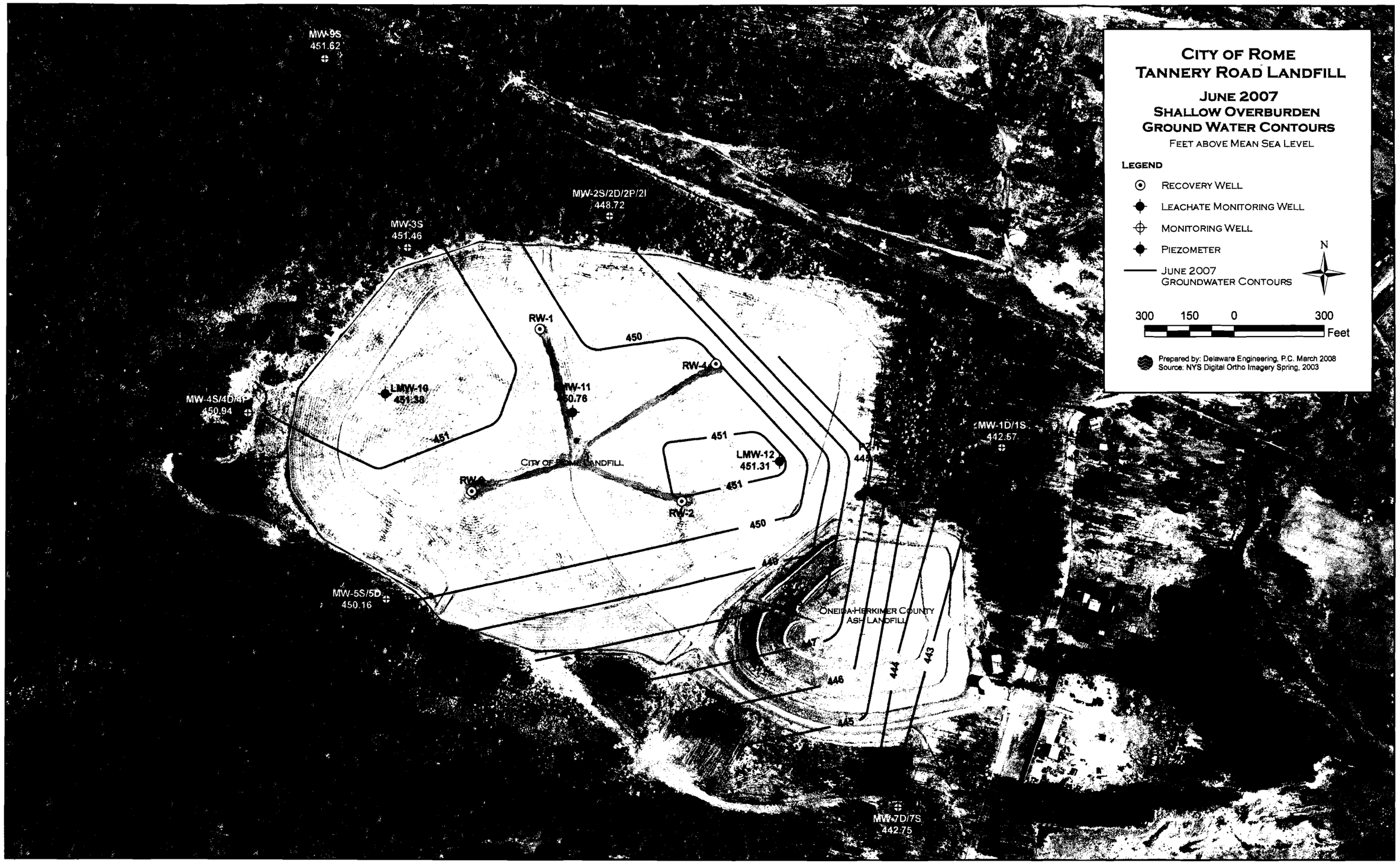
Oneida Herkimer County
Ash Landfill

447

446

445

MW-7D/7S
444.59


MW-9S
451.62
MW-2S/2D/2P/2I
448.72
MW-3S
451.46
RW-1
450
RW-4
LMW-10
451.38
MW-4S/4D/4P
450.94
451
RW-11
0.76
LMW-12
451.31
451
CITY OF ROME LANDFILL
RW-3
RW-2
451
450
448
MW-1D/1S
442.67
MW-5S/5D
450.16
ONEIDA-HERKIMER COUNTY
ASH LANDFILL
447
446
445
444
443
MW-7D/7S
442.75
CITY OF ROME
TANNERY ROAD LANDFILL
JUNE 2007
SHALLOW OVERBURDEN
GROUND WATER CONTOURS
FEET ABOVE MEAN SEA LEVEL
LEGEND
RECOVERY WELL
LEACHATE MONITORING WELL
MONITORING WELL
PIEZOMETER
JUNE 2007
GROUNDWATER CONTOURS
N
300 150 0 300
Feet
Prepared by: Delaware Engineering, P.C. March 2008
Source: NYS Digital Ortho Imagery Spring, 2003

CITY OF ROME
TANNERY ROAD LANDFILL

SEPTEMBER 2007
SHALLOW OVERBURDEN
GROUND WATER CONTOURS

FEET ABOVE MEAN SEA LEVEL

LEGEND

- RECOVERY WELL
- LEACHATE MONITORING WELL
- MONITORING WELL
- PIEZOMETER
- SEPTEMBER 2007 GROUNDWATER CONTOURS

N

300 150 0 300 Feet

Prepared by: Delaware Engineering, P.C. March 2008
Source: NYS Digital Ortho Imagery Spring, 2003

MW-9S
450.04

MW-3S
450.22

MW-2S/2D/2P/2I
449.19

MW-4S/4D/4P
449.01

MW-5S/5D
448.02

MW-1D/1S
441.19

MW-7D/7S
440.23

LMW-10
450.59

LMW-11
450.05

LMW-12
450.12

PZ-1
443.83

RW-1

RW-2

RW-3

RW-4

CITY OF ROME LANDFILL

ONEIDA-HERKIMER COUNTY
ASH LANDFILL

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CITY OF ROME
TANNERY ROAD LANDFILL

DECEMBER 2007
SHALLOW OVERBURDEN
GROUND WATER CONTOURS

FEET ABOVE MEAN SEA LEVEL

LEGEND

- RECOVERY WELL
- LEACHATE MONITORING WELL
- MONITORING WELL
- PIEZOMETER
- DECEMBER 2007 GROUNDWATER CONTOURS

N

300 150 0 300 Feet

Prepared by: Delaware Engineering, P.C. March 2008
Source: NYS Digital Ortho Imagery Spring, 2003

MW-9S
452.53

MW-2S/2D/2P/2I
451.82

MW-3S
452.78

RW-1

RW-4

LMW-10
451.02

LMW-11
450.27

MW-4S/4D/4P
451.12

CITY OF ROME LANDFILL

LMW-12
450.50

PZ-1
446.74

MW-1D/1S
443.59

RW-3

RW-2

MW-5S/5D
452.64

ONEIDA-HERKIMER COUNTY
ASH LANDFILL

MW-7D/7S
443.96

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APPENDIX A

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
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
Dissolved Oxygen (mg/L)	NS																								
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**
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
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**
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
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
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
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
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
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
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
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
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
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
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
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
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
Part 360 Routine Metals																									
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	
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
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
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
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
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
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
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
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
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	
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	

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
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
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
1,3-Dichlorobenzene (µg/L)	3		<5.0				<5.0						<5.0	<5.0										
trans-1,4-Dichloro-2-butene (µg/L)	5		<10.0				<5.0						<10.0	<10.0										
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	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
1,2,3-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		
1,3-Dichlorobenzene (µg/L)	3												
trans-1,4-Dichloro-2-butene (µg/L)	5				<5								
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		
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
4) GV indicates that the value listed is a guidance value rather t
5) Values in bold exceeded the applicable NYSDEC ground wa
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	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	12/17/2007	NYSDEC Ground Water Standard
Field Parameters																	
Conductivity (µmhos/cm)	381	270	253	300	235	288	245	270	240	480	353	203	295	221	165	180	NS
Dissolved Oxygen (mg/L)														3.58			NS
pH (s.u.)	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	7.06	6.5 - 8.5
Redox														-118			NS
Temperature (deg C)	6.3	12	13.7	8	7.6		11.5	9	9	12	11.2	10.5	7.5	11	11.8	8.7	NS
Turbidity (NTU)	**202**	**138**	**125**	**150**	**39**	**100**	**30**	**38**	**48**	**28**	**-**	**6**	0	**67**	**16**	**6**	5
Part 360 Leachate Indicator Parameters																	
Ammonia-Nitrogen (mg/L)	**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	1.4	2
Biochemical Oxygen Demand (BOD5) (mg/L)	<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	<4	NS
Bromide (mg/L)	<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	<0.1	2
Chemical Oxygen Demand (mg/L)	10	43	32	26	29	27	26	13	68	23	31	26	23	24	21	28	NS
Chloride (mg/L)	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	2.8	250
Color (Pt-Co)			**650**					**100**	**300**					**160**			15
Nitrate-Nitrogen (mg/L)	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	<0.1	10
Sulfate (mg/L)	77	38	33	22	30	24	31	32	24	23	37	15	23	18	10	2.3	250
Total Alkalinity (mg/L)	100	92	74	66	88	80	80	84	84	120	130	82	120	120	77	83	NS
Total Cyanide (mg/L)			<0.01					<0.01	<0.01					<0.01			0.2
Total Dissolved Solids (mg/L)	300	140	160	120	160	140	170	210	150	160	150	150	160	160	130	120	500
Total Hardness (mg/L)	130	100	90	69	89	73	80	93	87	110	110	78	97	150	73	74	NS
Total Kjeldahl Nitrogen (mg/L)	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	2.6	NS
Total Organic Carbon (mg/L)	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	7	NS
Total Phenols (mg/L)	<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	<0.003	0.001
Part 360 Routine Metals																	
Boron (mg/L)			0.089					<0.5	<0.5					<0.5			1
Cadmium (mg/L)	<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	<0.01	0.005
Calcium (mg/L)	44	34	29	23	30	24	26	32	29	37	38	26	33	27	24	25	NS
Iron (mg/L)	**21**	**12**	**11**	**3.1**	**13**	**7.4**	**8.8**	**11**	9.9	**14**	**10**	**8.1**	**9.7**	**9.1**	**2.1**	**7.4**	0.3*
Lead (mg/L)	<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	<0.01	0.025
Magnesium (mg/L)	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	2.9	35 (GV)
Manganese (mg/L)	**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**	**0.82**	0.3*
Potassium (mg/L)	21	13	17	12	12	11	12	11	11	12	15	6.6	12	11	7.6	8.1	NS
Sodium (mg/L)	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	1.6	20
Part 360 Additional Baseline Metals																	
Aluminum (mg/L)			0.37					0.26	0.25					0.23			NS
Antimony (mg/L)			<0.01					<0.01	<0.01					<0.01			0.003
Arsenic (mg/L)			0.011					<0.01	<0.01					<0.01			0.025
Barium (mg/L)			0.23					0.23	0.2					<0.2			1
Beryllium (mg/L)			<0.01					<0.01	<0.01					<0.01			0.003 (GV)
Chromium (mg/L)			<0.01					<0.01	<0.01					<0.01			0.05
Chromium, Hexavalent (mg/L)			<0.01					<0.01	<0.01					<0.01			0.05
Cobalt (mg/L)			<0.01					<0.01	<0.01					<0.01			NS
Copper (mg/L)			<0.01					<0.01	<0.01					<0.04			0.2
Mercury (mg/L)			<0.0002					<0.0002	<0.0002					<0.0002			0.0007
Nickel (mg/L)			<0.01					<0.01	<0.01					<0.01			0.1
Selenium (mg/L)			<0.01					<0.01	<0.01					<0.01			0.01
Silver (mg/L)			<0.01					<0.01	<0.01					0.049			0.05
Thallium (mg/L)			<0.01					<0.01	0.013					<0.01			0.0005 (GV)
Vanadium (mg/L)			0.012					<0.01	<0.01					<0.01			NS
Zinc (mg/L)			0.017					<0.01	0.021					0.023			2
Part 360 Volatile Organics																	
1,1,1,2-Tetrachloroethane (µg/L)	<5		<1					<1	<1					<1.0			5
1,1,1-Trichloroethane (µg/L)	<5		<1					<1	<1					<1.0			5
1,1,2,2-Tetrachloroethane (µg/L)	<5		<1					<1	<1					<1.0			5

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

Parameter	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	12/17/2007	NYSDEC Ground Water Standard
1,1,2-Trichloroethane (µg/L)	<5		<1					<1	<1					<1.0			1
1,1-Dichloroethane (µg/L)	<5		<1					<1	<1					<1.0			5
1,1-Dichloroethene (µg/L)	<5		<1					<1	<1					<1.0			5
1,2,3-Trichloropropane (µg/L)	<5		<1					<1	<1					<1.0			0.04
1,2-Dibromo-3-chloropropane (µg/L)	<5		<1					<1	<1					<1.0			0.04
1,2-Dibromoethane (EDB) (µg/L)	<5		<1					<1	<1					<1.0			5
1,2-Dichlorobenzene (µg/L)	<5		<1					<1	<1					<1.0			3
1,2-Dichloroethane (µg/L)	<5		<1					<1	<1					<1.0			0.6
1,2-Dichloropropane (µg/L)	<5		<1					<1	<1					<1.0			1
1,3-Dichlorobenzene (µg/L)	<5		<1														3
1,4-Dichloro-2-butene (µg/L)	<5		<1					<5									5
1,4-Dichlorobenzene (µg/L)	<5		<1					<1	<1					<1.0			3
2-Butanone (MEK) (µg/L)	<10		<10					<5	<5					<5.0			50 (GV)
2-Hexanone (µg/L)	<10		<10					<5	<5					<5.0			50 (GV)
4-Methyl 2-pentanone (µg/L)	<10		<10					<5	<5					<5.0			NS
Acetone (µg/L)	<10		<10					<10	<5					<5.0			50 (GV)
Acrylonitrile (µg/L)	<5		<5					<20	<20					<20			5
Benzene (µg/L)	<5		<1					<1	<1					<1.0			1
Bromochloromethane (µg/L)	<5		<1					<1	<1					<1.0			5
Bromodichloromethane (µg/L)	<5		<1					<1	<1					<1.0			50 (GV)
Bromoform (µg/L)	<5		<1					<1	<1					<1.0			50 (GV)
Bromomethane (µg/L)	<5		<1					<1	<1					<1.0			5
Carbon disulfide (µg/L)	<5		<1					<1	<1					<1.0			60 (GV)
Carbon tetrachloride (µg/L)	<5		<1					<1	<1					<1.0			5
Chlorobenzene (µg/L)	<5		<1					<1	<1					<1.0			5
Chloroethane (µg/L)	<5		<1					<1	<1					<1.0			5
Chloroform (µg/L)	<5		<1					<1	<1					<1.0			7
Chloromethane (µg/L)	<5		<1					<1	<1					<1.0			5
cis-1,2-Dichloroethene (µg/L)	<5		<1					<1	<1					<1.0			5
cis-1,3-Dichloropropene (µg/L)	<5		<1					<1	<1					<1.0			0.4**
Dibromochloromethane (µg/L)	<5		<1					<1	<1					<1.0			50 (GV)
Dibromomethane (µg/L)	<5		<1					<1	<1					<1.0			5
Ethyl benzene (µg/L)	<5		<1					<1	<1					<1.0			5
Iodomethane (µg/L)	<5		<10					<5	<5					<5.0			5
Methylene Chloride (µg/L)	<10		<10					<5	<1					<1.0			5
Styrene (µg/L)	<5		<1					<1	<1					<1.0			5
Tetrachloroethene (µg/L)	<5		<1					<1	<1					<1.0			5
Toluene (µg/L)	<5		<1					<1	<1					<1.0			5
trans-1,2-Dichloroethene (µg/L)	<5		<1					<1	<1					<1.0			5
trans-1,3-Dichloropropene (µg/L)	<5		<1					<1	<1					<1.0			0.4**
trans-1,4-Dichloro-2-butene (µg/L)	<5		<10					<5	<5					<5.0			5
Trichloroethene (µg/L)	<5		<1					<1	<1					<1.0			5
Trichlorofluoromethane (µg/L)	<5		<1					<1	<1					<1.0			5
Vinyl Acetate (µg/L)	<5		<5					<5	<5					<5.0			NS
Vinyl Chloride (µg/L)	<5		<1					<1	<1					<1.0			2
Xylenes (Total) (µg/L)	<5		<1					<1	<1					<1.0			5
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-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	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
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	2,390	1,600	1,250	1,490	Frozen	1,140	1,150	1,000	Frozen
Dissolved Oxygen (mg/L)	NS																					
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	6.46	6.83	8.2		Frozen	6.83	6.98	7.1	Frozen
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	6.2	11.1	15.2	6.6	Frozen	12.1	15	7	Frozen
Turbidity (NTU)	5	88	482	357	167	77	78	132	49	35	31	56	42	32		14	0	Frozen	109	60	70	Frozen
Leachate Indicator Parameters																						
Ammonia-Nitrogen (mg/L)	2		75	89	84	120	120	160	130	130	110	95	130	120	82	53	78	Frozen	78	72	75	Frozen
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	18	35	28	28	34	16	31	30		24	16	12	11	<10	35	<10	Frozen	14	<4.0	17	Frozen
Bromide (mg/L)	2	0.9	<2	<2	4	3.8	0.12	3	1.6	1.2	1.1	0.5	0.79	0.52	0.15	0.11	0.14	Frozen	<0.1	<0.1	<0.1	Frozen
Chemical Oxygen Demand (mg/L)	NS	930	320	<1	310	420	430	550	410	350	180	410	230	220	150	110	110	Frozen	93	96	120	Frozen
Chloride (mg/L)	250	560	560	430	320	350	13	370	400	220	210	110	150	130	42	24	25	Frozen	5.7	10	4.4	Frozen
Color (Pt-Co)	15		290					1,200					750	900				Frozen	500	<0.1	0.17	Frozen
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	<0.1	<0.1	0.6	<0.1	Frozen	0.15			Frozen
Sulfate (mg/L)	250	<5	6	110	16	48	32	2.3	5.8	33	32	66	79	94	63	120	110	Frozen	94	49	52	Frozen
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	840	660	480	550	Frozen	410	450	370	Frozen
Total Cyanide	0.2		<0.01					<0.01					<0.01	<0.01				Frozen	<0.01	490	350	Frozen
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	1,100	680	610	580	Frozen	430			Frozen
Total Hardness (mg/L)	NS	770	750	644	504	478	430	470	410	320	360	290	260	200	170	190	150	Frozen	120	190	100	Frozen
Total Kjeldahl Nitrogen (mg/L)	NS	85	85	99	89	120	170	160	130	150	130	100	120	140	76	61	32	Frozen	86	63	64	Frozen
Total Organic Carbon (mg/L)	NS	200	170	247	123	36	200	150	130	120	130	84	90	86	60	47	43	Frozen	22	35	43	Frozen
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	<0.002	0.011	0.0038	<0.002		<0.002	<0.002	0.0053	
Part 360 Routine Metals																						
Boron (mg/L)	1		2.2				2.5	2.4			1.2	1.3	1.6	1.4	1.1	1		Frozen	<0.5	0.85	<0.5	Frozen
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	<0.01	<0.01	<0.01	<0.01	Frozen	<0.01	<0.01	<0.01	Frozen
Calcium (mg/L)	NS	216	212	171	134	123	110	120	110	87	99	82	73	52	49	56	46	Frozen	39	59	32	Frozen
Iron (mg/L)	0.3*	64.4	66.6	55.8	40.8	45.6	48	48	34	34	34	26	30	24	15	29	14	Frozen	12	14	29	Frozen
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	<0.01	<0.01	<0.01	<0.01	Frozen	<0.01	0.011	<0.01	Frozen
Magnesium (mg/L)	35 (GV)	55.7	54.7	52.6	41	41.5	37	39	33	25	28	20	20	15	11	11	9.1	Frozen	6.9	10	5.3	Frozen
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	0.74	0.6	0.63	0.5	Frozen	0.43	0.61	0.36	Frozen
Potassium (mg/L)	NS	202	191	210	160	160	210	230	210	170	170	140	150	140	110	79	97	Frozen	93	94	79	Frozen
Sodium (mg/L)	20	960	417	310	310	300	320	510	370	320	370	220	250	210	92	54	76	Frozen	16	27	10	Frozen
Part 360 Baseline Metals																						
Aluminum (mg/L)	NS		4.04					1.8					1	0.91					1.3			
Antimony (mg/L)	0.003		<0.015					0.043					<0.01	<0.01					<0.01			
Arsenic (mg/L)	0.025		<0.01					0.01					<0.01	<0.01					0.011			
Barium (mg/L)	1		1.25					1.3					0.61	0.5					0.27			
Beryllium (mg/L)	0.003 (GV)		<0.003					0.01					<0.01	<0.01					<0.01			
Chromium (mg/L)	0.05		0.0222					0.025					0.015	0.018					0.011			
Chromium, Hexavalent (mg/L)	0.05		<0.01					<0.01					<0.01	<0.5					<0.01			
Cobalt (mg/L)	NS		<0.02					0.013					<0.01	<0.01					<0.01			
Copper (mg/L)	0.2		0.0163					<0.01					<0.01	<0.01					<0.01			
Mercury (mg/L)	0.0007		<0.0002					<0.0002					0.007	<0.0002					<0.0002			
Nickel (mg/L)	0.1		<0.03					0.033					0.019	0.027					<0.01			
Selenium (mg/L)	0.01		<0.005					<0.01					<0.01	<0.01					<0.01			
Silver (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01			
Thallium (mg/L)	0.0005 (GV)		0.0139					<0.01					<0.01	<0.01					<0.01			
Vanadium (mg/L)	NS		0.0457					0.075					0.042	0.051					0.027			
Zinc (mg/L)	2		0.107					0.062					0.025	0.021					0.091			
Volatile Organics																						
1,1,1,2-Tetrachloroethane (µg/L)	5							<5					<5	<5				Frozen	<5			
1,1,1-Trichloroethane (µg/L)	5		<5					<5					<5	<5				Frozen	<5			
1,1,2,2-Tetrachloroethane (µg/L)	5		<5					<5					<5	<5				Frozen	<5			
1,1,2-Trichloroethane (µg/L)	1		<5					<5					<5	<5				Frozen	<5			

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

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Parameter	NYSDEC Ground Water Standards	06/22/04	09/28/04	12/16/04	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	815	841	2,400	623	2,331	726	630	560	460	517	453	212	555	533	441
Dissolved Oxygen (mg/L)	NS													3.99		
pH (s.u.)	6.5 - 8.5	6.6	6.57	6.7	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	11.7	14	7	5.5		12.5	8	7	12	12.9	9.5	5.2	11.2	12.5	7.3
Turbidity (NTU)	5	**11**	**86**	**95**	**71**	**93**	**25**	**88**	**56**	**55**	-	**46**	0	**21**	**101**	**10**
Leachate Indicator Parameters																
Ammonia-Nitrogen (mg/L)	2	**53**	**56**	**52**	**45**	**50**	**39**	**36**	**25**	**17**	**12**	**9.1**	**8.7**	**14**	**15**	**7.3**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	12	16	<10	<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	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	83	84	110	72	70	61	40	46	40	43	35	37	41	40	27
Chloride (mg/L)	250	4.1	3.3	2.2	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		**750**					**340**	**375**					**400**		
Nitrate-Nitrogen (mg/L)	10	0.18	0.15	<0.1	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	55	36	6.3	42	37	24	30	2.9	3.7	4.9	4	4.1	5.4	13	4.7
Total Alkalinity (mg/L)	NS	360	340	340	340	350	310	260	300	270	280	250	300	300	280	250
Total Cyanide	0.2		<0.01					<0.01	<0.01					<0.01		
Total Dissolved Solids (mg/L)	500	370	350	320	350	390	340	280	260	310	310	270	390	300	280	250
Total Hardness (mg/L)	NS	120	100	110	130	120	110	110	130	160	150	160	190	120	160	170
Total Kjeldahl Nitrogen (mg/L)	NS	63	50	28	35	44	35	28	14	14	15	9.8	8.3	8.3	18	9.4
Total Organic Carbon (mg/L)	NS	30	26	35	23	24	21	19	13	14	14	12	13	14	12	11
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	<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																
Boron (mg/L)	1		0.37					<0.5	<0.5					<0.5		
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	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	37	29	30	36	31	32	29	33	42	40	41	44	42	41	41
Iron (mg/L)	0.3*	**11**	**9.3**	**22**	**15**	**10**	**16**	**14**	**19**	**17**	**15**	**16**	**21**	**23**	**18**	**18**
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<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)	7.3	6.8	7.5	9.5	9.3	8.2	8.5	13	14	13	15	19	19	15	16
Manganese (mg/L)	0.3*	0.043	**0.38**	**0.39**	**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	110	110	66	70	74	66	60	53	47	44	19	30	35	40	26
Sodium (mg/L)	20	9.3	6.1	6.5	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		0.44					2.5	2.8					0.37		
Antimony (mg/L)	0.003		<0.01					<0.01	<0.01					<0.01		
Arsenic (mg/L)	0.025		0.012					0.019	<0.01					<0.01		
Barium (mg/L)	1		<0.2					0.16	<0.2					<0.2		
Beryllium (mg/L)	0.003 (GV)		<0.01					<0.01	<0.01					<0.01		
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		0.011					<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					**0.05**		
Thallium (mg/L)	0.0005 (GV)		<0.01					<0.01	<0.01					<0.01		
Vanadium (mg/L)	NS		0.018					0.014	0.012					<0.01		
Zinc (mg/L)	2		0.02					0.018	0.018					0.045		
Volatile Organics																
1,1,1,2-Tetrachloroethane (µg/L)	5		<1					<1	<1					<1.0		
1,1,1-Trichloroethane (µg/L)	5		<1					<1	<1					<1.0		
1,1,2,2-Tetrachloroethane (µg/L)	5		<1					<1	<1					<1.0		
1,1,2-Trichloroethane (µg/L)	1		<1					<1	<1					<1.0		

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Parameter	NYSDEC	06/22/04	09/28/04	12/16/04	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-Dichloroethane (µg/L)	5		<1					<1	<1					<1.0		
1,1-Dichloroethene (µg/L)	5		<1					<1	<1					<1.0		
1,2,3-Trichloropropane (µg/L)	0.04		<1					<1	<1					<1.0		
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<1					<1	<1					<1.0		
1,2-Dibromoethane (EDB) (µg/L)	5		<1					<1	<1					<1.0		
1,2-Dichlorobenzene (µg/L)	3		<1					<1	<1					<1.0		
1,2-Dichloroethane (µg/L)	0.6		<1					<1	<1					<1.0		
1,2-Dichloropropane (µg/L)	1		<1					<1	<1					<1.0		
1,3-Dichlorobenzene (µg/L)	3															
trans-1,4-Dichloro-2-butene (µg/L)	5							<5								
1,4-Dichlorobenzene (µg/L)	3		<1					<1	<1					<1.0		
2-Butanone (MEK) (µg/L)	50 (GV)		<10					<5	<5					<5.0		
2-Hexanone (µg/L)	50 (GV)		<10					<5	<5					<5.0		
4-Methyl 2-pentanone (µg/L)	NS		<10					<5	<5					<5.0		
Acetone (µg/L)	50 (GV)		<10					<10	<5					<5.0		
Acrylonitrile (µg/L)	5		<5					<20	<20					<20		
Benzene (µg/L)	1		<1					<1	<1					<1.0		
Bromochloromethane (µg/L)	5		<1					<1	<1					<1.0		
Bromodichloromethane (µg/L)	50 (GV)		<1					<1	<1					<1.0		
Bromoform (µg/L)	50 (GV)		<1					<1	<1					<1.0		
Bromomethane (µg/L)	5		<1					<1	<1					<1.0		
Carbon disulfide (µg/L)	60 (GV)		<1					<1	<1					<1.0		
Carbon tetrachloride (µg/L)	5		<1					<1	<1					<1.0		
Chlorobenzene (µg/L)	5		<1					<1	<1					<1.0		
Chloroethane (µg/L)	5		<1					<1	<1					<1.0		
Chloroform (µg/L)	7		<1					<1	<1					<1.0		
Chloromethane (µg/L)	5		<1					<1	<1					<1.0		
cis-1,2-Dichloroethene (µg/L)	5		<1					<1	<1					<1.0		
cis-1,3-Dichloropropene (µg/L)	0.4**		<1					<1	<1					<1.0		
Dibromochloromethane (µg/L)	50 (GV)		<1					<1	<1					<1.0		
Dibromomethane (µg/L)	5		<1					<1	<1					<1.0		
Ethyl benzene (µg/L)	5		<1					<1	<1					<1.0		
Iodomethane (µg/L)	5		<10					<5	<5					<5.0		
Methylene Chloride (µg/L)	5		<10					<5	<1					<1.0		
Styrene (µg/L)	5		<1					<1	<1					<1.0		
Tetrachloroethene (µg/L)	5		<1					<1	<1					<1.0		
Toluene (µg/L)	5		<1					<1	<1					<1.0		
trans-1,2-Dichloroethene (µg/L)	5		<1					<1	<1					<1.0		
trans-1,3-Dichloropropene (µg/L)	0.4**		<1					<1	<1					<1.0		
trans-1,4-Dichloro-2-butene (µg/L)	5		<10					<5	<5					<5.0		
Trichloroethene (µg/L)	5		<1					<1	<1					<1.0		
Trichlorofluoromethane (µg/L)	5		<1					<1	<1					<1.0		
Vinyl Acetate (µg/L)	NS		<5					<5	<5					<5.0		
Vinyl Chloride (µg/L)	2		<1					<1	<1					<1.0		
Xylenes (Total) (µg/L)	5		<1					<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/gu
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	3/1/99	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 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
Dissolved Oxygen (mg/L)	NS																									
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**
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
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
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
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
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
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
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
Color (Pt-Co)	15		140					**250**					**300**	**250**					**175**					**550**		
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
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
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
Total Cyanide (mg/L)	0.2		<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
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
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
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
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
Part 360 Routine Metals																										
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		
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
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
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**
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
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
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
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
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
Part 360 Additional Basiline Metals																										
Aluminum (mg/L)	NS		2.77					1.8					1.1	1.2					1.4					1.4		
Antimony (mg/L)	0.003		<0.015					<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		
Barium (mg/L)	1		0.0855					<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		
Chromium (mg/L)	0.05		0.0097					<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		0.0258					<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		
Nickel (mg/L)	0.1		<0.03					0.021					<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					0.011					<0.01	<0.01					<0.01					<0.01		
Zinc (mg/L)	2		0.0508					0.032					0.012	0.024					0.049					0.019		
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		

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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
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	
1,3-Dichlorobenzene (µg/L)	<5		<5.0																							
trans-1,4-Dichloro-2-butene (µg/L)	<5		<10.0																							
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	
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

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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
Field Parameter												
Conductivity (µmhos/cm)	NS	437	1,200	160	100	210	300	155	83	507	668	140
Dissolved Oxygen (mg/L)	NS									4.41		
pH (s.u.)	6.5 - 8.5	**6.16**	**6.35**	**6**	6.5	6.8	6.81	**5.67**	**5.78**	**5.95**	**6.01**	**5.16**
Redox	NS									-108		
Temperature (deg C)	NS		12.5	8	6	13	13.2	9.2	4.8	11	13	7.7
Turbidity (NTU)	5	**66**	**25**	0	**20**	**18**	-	**6**	0	**13**	**15**	5
Part 360 Leachate Indicator Parameters												
Ammonia-Nitrogen (mg/L)	2	**11**	**41**	**3**	1.5	**4.6**	**11**	**5**	**3.3**	**23**	**31**	**3.3**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<10	20	<4	<4	<4.0	5.5	<4	<20	9.5	17	<4
Bromide (mg/L)	2	0.12	0.54	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	0.37	<0.1
Chemical Oxygen Demand (mg/L)	NS	170	350	46	64	100	130	80	75	190	200	55
Chloride (mg/L)	250	12	110	4.2	3.6	3.8	13	3.8	3.2	43	60	4.6
Color (Pt-Co)	15			**70**	**150**					**240**		
Nitrate-Nitrogen (mg/L)	10	0.12	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfate (mg/L)	250	26	14	35	13	14	29	17	11	24	11	20
Total Alkalinity (mg/L)	NS	76	320	24	28	52	100	48	43	130	230	35
Total Cyanide (mg/L)	0.2			<0.01	<0.01					<0.01		
Total Dissolved Solids (mg/L)	500	220	**610**	130	96	160	220	150	120	370	410	96
Total Hardness (mg/L)	NS	43	83	44	32	41	41	39	33	56	55	35
Total Kjeldahl Nitrogen (mg/L)	NS	15	37	31	1.5	5.8	15	7.2	4.4	23	34	5.8
Total Organic Carbon (mg/L)	NS	44	100	24	25	42	55	34	33	82	100	29
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
Part 360 Routine Metals												
Boron (mg/L)	1			<0.5	<0.5					0.63		
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
Calcium (mg/L)	NS	11	23	12	8.1	11	12	10	8.7	16	17	9.2
Iron (mg/L)	0.3*	**5**	**6.9**	**3.6**	**3**	**3.3**	**2.8**	**2.8**	**2.7**	**5.4**	**7.8**	**2.8**
Lead (mg/L)	0.025	0.012	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.015	<0.01
Magnesium (mg/L)	35 (GV)	3.8	5.8	3.6	2.8	3.4	2.8	3.2	2.7	4.6	3.3	2.8
Manganese (mg/L)	0.3*	0.28	**0.7**	0.24	0.19	0.22	<0.01	0.2	0.2	**0.44**	**0.51**	0.22
Potassium (mg/L)	NS	14	60	8.9	5.7	8.2	29	8.3	7	21	40	8.6
Sodium (mg/L)	20	9.4	**110**	3.1	3	6.3	**26**	3.6	2.4	**36**	**60**	3.6
Part 360 Additional Basiline Metals												
Aluminum (mg/L)	NS			0.75	1.1					1.6		
Antimony (mg/L)	0.003			<0.01	<0.01					<0.01		
Arsenic (mg/L)	0.025			<0.01	<0.01					<0.01		
Barium (mg/L)	1			<0.1	<0.2					<0.2		
Beryllium (mg/L)	0.003 (GV)			<0.01	<0.01					<0.01		
Chromium (mg/L)	0.05			<0.01	<0.01					0.015		
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			**0.017**	<0.01					<0.01		
Silver (mg/L)	0.05			<0.01	<0.01					**0.052**		
Thallium (mg/L)	0.0005 (GV)			<0.01	0.02					<0.01		
Vanadium (mg/L)	NS			<0.01	<0.01					0.012		
Zinc (mg/L)	2			0.016	<0.01					0.01		
Part 360 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		
1,1,2,2-Tetrachloroethane (µg/L)	5			<1	<1					<1.0		

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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
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		
1,3-Dichlorobenzene (µg/L)	<5				<1							
trans-1,4-Dichloro-2-butene (µg/L)	<5			<5								
1,4-Dichlorobenzene (µg/L)	3			<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		
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
4) GV indicates that the value listed is a guidance value rather than a
5) Values in bold exceeded the applicable NYSDEC ground water st
6) ** Indicates standard applies to the sum of the isomers

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

Parameter	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	9/25/07	12/17/07	NYSDEC Ground Water Standard
Field Parameters																									
Conductivity (µmhos/cm)	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	5,410	6,070	NS
Dissolved Oxygen (mg/L)																						2.66			NS
pH (s.u.)	**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	6.59	6.65	6.5 - 8.5
Redox																						-80			NS
Temperature (deg C)	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	15.4	10.2	NS
Turbidity (NTU)	**356**	**183**	**585**	**164**	**207**	**383**	**47**	**430**	**189**	**10**	**73**	**189**	**246**	**236**	**100**	**68**	**168**	**600**	-	**81**	0	**67**	**101**	**134**	5
Part 360 Leachate Indicator Parameters																									
Ammonia-Nitrogen (mg/L)	**200**	**260**	**270**	**200**	**280**	**280**	**270**	**230**	**380**	**350**	**160**	**260**	**290**	**300**	**300**	**230**	**340**	**330**	**160**	**280**	**60**	**320**	**350**	**290**	2
Biochemical Oxygen Demand (BOD5) (mg/L)	38	24	46	34	30	20	36	43	28	32	31	41	<4.0	31	36	24	39	36	36	35	<20	40	30	31	NS
Bromide (mg/L)	**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**	**3.5**	**2.1**	2
Chemical Oxygen Demand (mg/L)	420	250	3,200	270	340	490	640	270	300	470	290	490	670	440	430	240	240	71	200	560	105	105	700	420	NS
Chloride (mg/L)	**440**	**430**	**610**	**380**	200	**450**	**550**	**260**	**450**	**600**	**280**	**410**	**560**	**410**	**470**	**340**	**570**	**600**	220	**590**	67	**650**	**580**	**410**	250
Color (Pt-Co)	**1,400**					**600**					**950**					500	**1,500**					**1,000**			15
Nitrate-Nitrogen (mg/L)	<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	<0.1	<0.1	10
Sulfate (mg/L)	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	1.8	26	250
Total Alkalinity (mg/L)	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	2,200	1,600	NS
Total Cyanide (mg/L)	<0.01					<0.01					<0.01					<0.01	<0.01					<0.01			0.2
Total Dissolved Solids (mg/L)	**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**	**2,300**	**1,900**	500
Total Hardness (mg/L)	580	580	690	480	550	750	790	430	700	590	480	520	660	670	450	600	740	690	460	800	270	310	690	530	NS
Total Kjeldahl Nitrogen (mg/L)	290	220	320	220	280	300	330	350	330	380	260	220	310	270	260	210	330	390	150	280	60	280	350	270	NS
Total Organic Carbon (mg/L)	160	150	230	99	120	120	230	110	180	240	75	160	230	200	120	13	210	270	84	180	28	230	240	160	NS
Total Phenols (mg/L)	**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**	**0.015**	0.02	0.001
Part 360 Routine Metals																									
Boron (mg/L)	**2.5**	**2.7**	**3.7**			**3.4**	**4.4**	**1.6**	**3.8**		**1.7**					**2.3**	**3.8**					**2.3**			1
Cadmium (mg/L)	<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	<0.01	<0.01	0.005
Calcium (mg/L)	120	120	140	100	110	150	150	91	120	110	110	97	110	120	91	120	120	130	100	130	73	100	120	120	NS
Iron (mg/L)	**62**	**60**	**70**	**48**	**58**	**61**	**68**	**52**	**38**	47	**49**	**35**	**45**	**35**	**45**	**34**	**35**	**49**	**39**	**16**	**32**	**38**	**35**	**55**	0.3*
Lead (mg/L)	**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	<0.01	<0.01	0.025
Magnesium (mg/L)	**68**	**67**	**83**	**53**	**65**	**94**	**100**	**50**	**96**	**75**	**53**	**67**	**92**	**92**	**54**	**74**	**110**	**91**	**51**	**110**	20	**65**	**88**	**54**	35 (GV)
Manganese (mg/L)	**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**	**1.2**	**1.1**	0.3*
Potassium (mg/L)	190	200	340	180	230	230	410	220	350	330	320	380	330	320	280	250	280	300	160	240	40	370	380	170	NS
Sodium (mg/L)	**430**	**460**	**600**	**250**	**270**	**420**	**630**	**250**	**500**		**230**	**470**	**580**	**410**	**270**	**380**	**370**	**490**	**230**	**580**	**50**	**430**	**520**	**200**	20
Part 360 Additional Baseline Metals																									
Aluminum (mg/L)	2.4					0.9					0.28					0.96	1.4					0.93			NS
Antimony (mg/L)	<0.01					<0.01					**0.012**					<0.01	<0.01					<0.01			0.003
Arsenic (mg/L)	0.02					**0.038**					0.022					**0.03**	<0.01					<0.01			0.025
Barium (mg/L)	<0.2					0.32					0.25					0.47	0.75					0.37			1
Beryllium (mg/L)	<0.01					<0.01					<0.01					<0.01	<0.01					<0.01			0.003 (GV)
Chromium (mg/L)	0.031					0.019					<0.01					0.017	0.02					<0.01			0.05
Chromium, Hexavalent (mg/L)	<0.01					<0.01					<0.01					0.013	<0.01					0.017			0.05
Cobalt (mg/L)	0.012					0.017					<0.01					0.012	0.018					0.021			NS
Copper (mg/L)	0.052					0.013					<0.01					0.018	**0.024**					<0.04			0.2
Mercury (mg/L)	0.0002					<0.0002					<0.0002					<0.0002	<0.0002					<0.0002			0.0007
Nickel (mg/L)	0.062					0.049					0.024					0.029	0.046					0.036			0.1
Selenium (mg/L)	<0.01					<0.01					<0.01					<0.01	**0.013**					<0.01			0.01
Silver (mg/L)	<0.01					<0.01					<0.01					<0.01	<0.01					**0.057**			0.05
Thallium (mg/L)	<0.01					<0.01					<0.01					<0.01	<0.01					<0.01			0.0005 (GV)
Vanadium (mg/L)	<0.01					0.012					0.013					0.013	0.025					0.032			NS
Zinc (mg/L)	0.16					0.11					0.099					0.052	0.061					0.089			2
Part 360 Volatile Organics																									
1,1,1,2-Tetrachloroethane (µg/L)	<5.0					<5					<1					<5	<5					<5.0			5
1,1,1-Trichloroethane (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			5
1,1,2,2-Tetrachloroethane (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			5

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

Parameter	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	9/25/07	12/17/07	NYSDEC Ground Water Standard
1,1,2-Trichloroethane (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			1
1,1-Dichloroethane (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			5
1,1-Dichloroethene (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			5
1,2,3-Trichloropropane (µg/L)	<5.0					<5					<1					<5	<5					<5.0			0.04
1,2-Dibromo-3-chloropropane (µg/L)	<5.0					<5					<1					<5	<5					<5.0			0.04
1,2-Dibromoethane (EDB) (µg/L)	<5.0					<5					<1					<5	<5					<5.0			5
1,2-Dichlorobenzene (µg/L)	<5.0					<5					<1					<5	<5					<5.0			3
1,2-Dichloroethane (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			0.6
1,2-Dichloropropane (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			1
1,4-Dichlorobenzene (µg/L)	<5.0					<5					**3.7**					<5	<5					<5.0			3
2-Butanone (MEK) (µg/L)	<10.0				<10	<10					<10					<20	<50					<5.0			50 (GV)
2-Hexanone (µg/L)	<10.0				<10	<10					<10					<20	<50					<5.0			50 (GV)
4-Methyl 2-pentanone (µg/L)	<10.0					<10					<10					<20	<50					<5.0			NS
Acetone (µg/L)	18				28	13					<10					<50	<50					<5.0			50 (GV)
Acrylonitrile (µg/L)	<20.0					<20					<5					<100	<200					<200			5
Benzene (µg/L)	**5.5**				**5.7**	<5					**5**					**6.2**	**7.7**					**7**			1
Bromochloromethane (µg/L)	<5.0					<5					<1					<5	<5					<5.0			5
Bromodichloromethane (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			50 (GV)
Bromoform (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			50 (GV)
Bromomethane (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			5
Carbon disulfide (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			60 (GV)
Carbon tetrachloride (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			5
Chlorobenzene (µg/L)	<5.0				<5	<5					4.1					**5.3**	<5					<5.0			5
Chloroethane (µg/L)	**33**				**33**	**22**					**22**					**24**	**20**					<5.0			5
Chloroform (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			7
Chloromethane (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			5
cis-1,2-Dichloroethene (µg/L)	<5.0					<5					<1					<5	<5					<5.0			5
cis-1,3-Dichloropropene (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			0.4**
Dibromochloromethane (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			50 (GV)
Dibromomethane (µg/L)	<5.0					<5					<1					<5	<5					<5.0			5
Ethyl benzene (µg/L)	**29**				<5	<5					<1					<5	<5					<5.0			5
Iodomethane (µg/L)	<10.0					<10					<10					<20	<50					<5.0			5
Methylene Chloride (µg/L)	<10.0				<10	<10					<10					<20	<5					<5.0			5
Styrene (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			5
Tetrachloroethene (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			5
Toluene (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			5
trans-1,2-Dichloroethene (µg/L)	<5.0					<5					<1					<5	<5					<5.0			5
trans-1,3-Dichloropropene (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			0.4**
trans-1,4-Dichloro-2-butene (µg/L)	<10.0					<10					<10					<20	<50					<5.0			5
Trichloroethene (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			5
Trichlorofluoromethane (µg/L)	<5.0					<5					<1					<5	<5					<5.0			5
Vinyl Acetate (µg/L)	<20.0					<20					<5					<20	<50					<5.0			NS
Vinyl Chloride (µg/L)	<5.0				<5	<5					<1					<5	<5					<5.0			2
Xylenes (Total) (µg/L)	**75**				**96**	**28**					**63**					**69**	**26**					**63**			5
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	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
Dissolved Oxygen (mg/L)	NS																							
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																								
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
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
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
1,3-Dichlorobenzene (µg/L)	3		<5.0																					
trans-1,4-Dichloro-2-butene (µg/L)	5		<10.0																					
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
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

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
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	NYSDEC Ground Water Standard
Field Parameter															
Conductivity (µmhos/cm)	NS	276	182	227	178	550	270	420	102	324	172	109	97	324	NS
Dissolved Oxygen (mg/L)	NS											5.14			NS
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**	6.5 - 8.5
Redox	NS											-8			NS
Temperature (deg C)	NS	8	5.7		12.5	9	6	**11**	12	9.4	5.5	9.8	11.1	7.4	NS
Turbidity (NTU)	5	**154**	**8**	**149**	**119**	**38**	**50**	**10**	-	**28**	0	**161**	**260**	**15**	5
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	2
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	NS
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	2
Chemical Oxygen Demand (mg/L)	NS	14	18	16	15	23	22	8.9	16	23	12	19	30	14	NS
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	250
Color (Pt-Co)	15					**130**	**140**					**100**			15
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	10
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	250
Total Alkalinity (mg/L)	NS	88	140	24	64	230	110	44	52	150	78	56	44	170	NS
Total Cyanide (mg/L)	0.2					<0.01	<0.01					<0.01			0.2
Total Dissolved Solids (mg/L)	500	90	170	52	90	290	170	66	120	210	140	86	74	210	500
Total Hardness (mg/L)	NS	94	130	31	84	230	130	55	49	150	78	110	45	160	NS
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	NS
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	NS
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	0.001
Part 360 Routine Metals															
Boron (mg/L)	1					<0.5	<0.5					<0.5			1
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	0.005
Calcium (mg/L)	NS	24	40	9.3	24	71	42	16	15	47	23	16	13	48	NS
Iron (mg/L)	0.3*	**22**	**15**	**7.6**	**24**	**19**	**11**	**2.6**	**2.8**	**12**	**4.8**	**13**	**65**	**12**	0.3*
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	0.025
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	35 (GV)
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	0.3*
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	NS
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	20
Part 360 Additional Baseline Metals															
Aluminum (mg/L)	NS					0.14	0.35					0.64			NS
Antimony (mg/L)	0.003					<0.01	<0.01					<0.01			0.003
Arsenic (mg/L)	0.025					<0.02	<0.01					<0.01			0.025
Barium (mg/L)	1					0.14	<0.2					<0.2			1
Beryllium (mg/L)	0.003 (GV)					<0.01	<0.01					<0.01			0.003 (GV)
Chromium (mg/L)	0.05					<0.01	<0.01					<0.01			0.05
Chromium, Hexavalent (mg/L)	0.05					<0.01	<0.01					<0.01			0.05
Cobalt (mg/L)	NS					<0.01	<0.01					<0.01			NS
Copper (mg/L)	0.2					<0.01	<0.01					<0.04			0.2
Mercury (mg/L)	0.0007					<0.0002	<0.0002					<0.0002			0.0007
Nickel (mg/L)	0.1					<0.01	<0.01					<0.01			0.1
Selenium (mg/L)	0.01					<0.01	<0.01					<0.01			0.01
Silver (mg/L)	0.05					<0.01	<0.01					0.049			0.05
Thallium (mg/L)	0.0005 (GV)					<0.01	<0.01					<0.01			0.0005 (GV)
Vanadium (mg/L)	NS					<0.01	<0.01					<0.01			NS
Zinc (mg/L)	2					<0.01	0.015					0.023			2
Part 360 Volatile Organics															
1,1,1,2-Tetrachloroethane (µg/L)	5					<1	<1					<1.0			5
1,1,1-Trichloroethane (µg/L)	5					<1	<1					<1.0			5
1,1,2,2-Tetrachloroethane (µg/L)	5					<1	<1					<1.0			5
1,1,2-Trichloroethane (µg/L)	1					<1	<1					<1.0			1
1,1-Dichloroethane (µg/L)	5					<1	<1					<1.0			5
1,1-Dichloroethene (µg/L)	5					<1	<1					<1.0			5
1,2,3-Trichloropropane (µg/L)	0.04					<1	<1					<1.0			0.04
1,2-Dibromo-3-chloropropane (µg/L)	0.04					<1	<1					<1.0			0.04
1,2-Dibromoethane (EDB) (µg/L)	5					<1	<1					<1.0			5
1,2-Dichlorobenzene (µg/L)	3					<1	<1					<1.0			3
1,2-Dichloroethane (µg/L)	0.6					<1	<1					<1.0			0.6
1,2-Dichloropropane (µg/L)	1					<1	<1					<1.0			1
1,3-Dichlorobenzene (µg/L)	3						<1								3
trans-1,4-Dichloro-2-butene (µg/L)	5					<5									5
1,4-Dichlorobenzene (µg/L)	3					<1						<1.0			3
2-Butanone (MEK) (µg/L)	50 (GV)					<5	<5					<5.0			50 (GV)
2-Hexanone (µg/L)	50 (GV)					<5	<5					<5.0			50 (GV)
4-Methyl 2-pentanone (µg/L)	NS					<5	<5					<5.0			NS
Acetone (µg/L)	50 (GV)					<10	<5					<5.0			50 (GV)

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	NYSDEC Ground Water Standard
Acrylonitrile (µg/L)	5					<20	<20					<20			5
Benzene (µg/L)	1					<1	<1					<1.0			1
Bromochloromethane (µg/L)	5					<1	<1					<1.0			5
Bromodichloromethane (µg/L)	50 (GV)					<1	<1					<1.0			50 (GV)
Bromoform (µg/L)	50 (GV)					<1	<1					<1.0			50 (GV)
Bromomethane (µg/L)	5					<1	<1					<1.0			5
Carbon disulfide (µg/L)	60 (GV)					<1	<1					<1.0			60 (GV)
Carbon tetrachloride (µg/L)	5					<1	<1					<1.0			5
Chlorobenzene (µg/L)	5					<1	<1					<1.0			5
Chloroethane (µg/L)	5					<1	<1					<1.0			5
Chloroform (µg/L)	7					<1	<1					<1.0			7
Chloromethane (µg/L)	5					<1	<1					<1.0			5
cis-1,2-Dichloroethene (µg/L)	5					<1	<1					<1.0			5
cis-1,3-Dichloropropene (µg/L)	0.4**					<1	<1					<1.0			0.4**
Dibromochloromethane (µg/L)	50 (GV)					<1	<1					<1.0			50 (GV)
Dibromomethane (µg/L)	5					<1	<1					<1.0			5
Ethyl benzene (µg/L)	5					<1	<1					<1.0			5
Iodomethane (µg/L)	5					<5	<5					<5.0			5
Methylene Chloride (µg/L)	5					<5	<1					<1.0			5
Styrene (µg/L)	5					<1	<1					<1.0			5
Tetrachloroethene (µg/L)	5					<1	<1					<1.0			5
Toluene (µg/L)	5					<1	<1					<1.0			5
trans-1,2-Dichloroethene (µg/L)	5					<1	<1					<1.0			5
trans-1,3-Dichloropropene (µg/L)	0.4**					<1	<1					<1.0			0.4**
trans-1,4-Dichloro-2-butene (µg/L)	5					<5	<5					<5.0			5
Trichloroethene (µg/L)	5					<1	<1					<1.0			5
Trichlorofluoromethane (µg/L)	5					<1	<1					<1.0			5
Vinyl Acetate (µg/L)	NS					<5	<5					<5.0			NS
Vinyl Chloride (µg/L)	2					<1	<1					<1.0			2
Xylenes (Total) (µg/L)	5					<1	<1					<1.0			5
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
6) ** Indicates standard applies to the sum of the isomers

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

Parameter	NYSDEC Ground Water Standard	Mar-99	Jun-99	Sep-99	Dec-99	Mar-00	Jun-00	Sep-00	Dec-00	Mar-01	Jun-01	Sep-01	Dec-01	Mar-02	Jun-02	Sep-02	Dec-02	Mar-03	Jun-03	Sep-03	Dec-03	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05
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	785	1,131	434	730
Dissolved Oxygen (mg/L)	NS																												
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**	**6.25**	**6.4**	7.05	**6.1**
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	8.7		10.8	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**	**70**	**151**	**104**	**98**
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**	**26**	**11**	**17**	**22**
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	6.2	<10	13	<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	0.4	0.22	0.15	<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	109	76	83	93
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	36	7.6	15	24
Color (Pt-Co)	15		**280**					**750**					**850**	**750**					**600**					**675**					**350**
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	0.16	0.18	0.19	<0.1
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	15	7.5	5.9	5
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	320	140	230	300
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	**540**	**540**	**710**	**660**	**610**	**400**	**590**	**600**	**670**	**570**	480	**650**	**720**	**650**	420	**520**	**580**	**640**	**580**	240	**510**	440	420	240	460	280	280	360
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	180	140	150	200
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	21	11	13	19
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	38	26	25	38
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	<0.01	**0.0047**	**0.0041**	**0.0044**
Part 360 Routine Metals																													
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					0.55
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	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	45	32	33	51
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**	**27**	**26**	**24**	**27**
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	<0.01	**0.032**	**0.028**	<0.01
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	17	14	16	17
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**	**0.55**	**0.61**	**0.59**	**0.62**
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	28	19	20	26
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**	**33**	7.4	19	**25**
Part 360 Additional Baseline Metals																													
Aluminum (mg/L)	NS		0.439					1					1.2	0.83					2.3					1.1					1.4
Antimony (mg/L)	0.003		<0.015					**0.034**					<0.01	<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					0.024
Barium (mg/L)	1		0.217					<0.2					0.43	0.49					0.61					0.23					0.22
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Chromium (mg/L)	0.05		<0.005					<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		<0.01					<0.01					0.022	<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					<0.01					<0.01	<0.01					<0.01					0.046					<0.01
Selenium (mg/L)	0.01		<0.005					<0.01					<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					<0.01
Thallium (mg/L)	0.0005 (GV)		**0.0105**					<0.01					<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					0.029
Zinc (mg/L)	2		0.056					0.067					0.036	0.034					0.097					0.041					0.029
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

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

Parameter	NYSDEC Ground Water Standard	Mar-99	Jun-99	Sep-99	Dec-99	Mar-00	Jun-00	Sep-00	Dec-00	Mar-01	Jun-01	Sep-01	Dec-01	Mar-02	Jun-02	Sep-02	Dec-02	Mar-03	Jun-03	Sep-03	Dec-03	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05
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
1,3-Dichlorobenzene (µg/L)	3		<5.0																										
trans-1,4-Dichloro-2-butene (µg/L)	5		<10.0																										<5
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					**14**					**17**	**24**				**15**	**16**					**4.3**					**6.3**
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)		<18.0					<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
Chlorobenzene (µg/L)	5		**23**					**8.4**					**5.8**	**5.3**				<5	<5					4.4					4.1
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		2					**16**					**130**	**180**				**160**	**97**					<1					**110**
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-7D
Ground Water Analtyical Data

Parameter	NYSDEC Ground Water Standard	Mar-06	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07
Field Parameters									
Conductivity (µmhos/cm)	NS	710	450	670	684	1,020	650	287	581
Dissolved Oxygen (mg/L)	NS						3.95		
pH (s.u.)	6.5 - 8.5	6.8	7.2	7.25	**6.33**	**6.27**	6.53	6.75	**6.14**
Redox	NS						-89		
Temperature (deg C)	NS	10	12	11	10.1	8.7	10.8	12	9.1
Turbidity (NTU)	5	**78**	**67**	-	**40**	0	**76**	**33**	**43**
Part 360 Leachate Indicator Parameters									
Ammonia-Nitrogen (mg/L)	2	**31**	**21**	**24**	**26**	**28**	**24**	**3.9**	**20**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	7.7	8	<4	<10	180	5.2	<4	8
Bromide (mg/L)	2	0.3	<0.10	0.32	<0.1	0.55	<0.1	<0.1	0.25
Chemical Oxygen Demand (mg/L)	NS	110	110	110	110	100	100	12	93
Chloride (mg/L)	250	33	28	29	35	47	31	3.6	22
Color (Pt-Co)	15	**750**					**400**		
Nitrate-Nitrogen (mg/L)	10	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfate (mg/L)	250	4.8	2.8	4.4	5.2	5.9	5.6	7.7	3.6
Total Alkalinity (mg/L)	NS	350	320	320	340	420	330	120	330
Total Cyanide (mg/L)	0.2	<0.01					<0.01		
Total Dissolved Solids (mg/L)	500	430	400	430	440	490	420	190	340
Total Hardness (mg/L)	NS	210	180	210	210	220	160	100	180
Total Kjeldahl Nitrogen (mg/L)	NS	19	19	25	24	30	25	4.6	21
Total Organic Carbon (mg/L)	NS	41	38	43	39	42	40	25	36
Total Phenols (mg/L)	0.001	**0.0021**	**0.0052**	**0.0021**	<0.05	<0.002	<0.003	<0.003	<0.003
Part 360 Routine Metals									
Boron (mg/L)	1	0.83					0.73		
Cadmium (mg/L)	0.005	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	52	46	54	53	56	43	24	49
Iron (mg/L)	0.3*	**31**	**27**	**28**	**27**	**30**	**25**	**19**	**25**
Lead (mg/L)	0.025	<0.01	0.01	0.012	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	20	17	17	19	20	16	10	15
Manganese (mg/L)	0.3*	**0.65**	**0.57**	<0.01	**0.64**	**0.6**	**0.52**	**0.62**	**0.6**
Potassium (mg/L)	NS	34	26	29	14	31	27	7.9	23
Sodium (mg/L)	20	**36**	**28**	**50**	**32**	**38**	**29**	3.3	**24**
Part 360 Additional Baseline Metals									
Aluminum (mg/L)	NS	2.6					1.4		
Antimony (mg/L)	0.003	<0.01					<0.01		
Arsenic (mg/L)	0.025	<0.01					<0.01		
Barium (mg/L)	1	0.31					<0.2		
Beryllium (mg/L)	0.003 (GV)	<0.01					<0.01		
Chromium (mg/L)	0.05	<0.01					0.026		
Chromium, Hexavalent (mg/L)	0.05	<0.01					<0.01		
Cobalt (mg/L)	NS	<0.01					<0.01		
Copper (mg/L)	0.2	<0.01					<0.04		
Mercury (mg/L)	0.0007	<0.0002					<0.0002		
Nickel (mg/L)	0.1	<0.01					<0.01		
Selenium (mg/L)	0.01	<0.01					<0.01		
Silver (mg/L)	0.05	<0.01					<0.01		
Thallium (mg/L)	0.0005 (GV)	<0.01					<0.01		
Vanadium (mg/L)	NS	0.013					0.015		
Zinc (mg/L)	2	0.029					0.058		
Part 360 Volatile Organics									
1,1,1,2-Tetrachloroethane (µg/L)	5	<1					<1.0		
1,1,1-Trichloroethane (µg/L)	5	<1					<1.0		
1,1,2,2-Tetrachloroethane (µg/L)	5	<1					<1.0		
1,1,2-Trichloroethane (µg/L)	1	<1					<1.0		
1,1-Dichloroethane (µg/L)	5	<1					<1.0		
1,1-Dichloroethene (µg/L)	5	<1					<1.0		

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

Parameter	NYSDEC Ground Water Standard	Mar-06	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07
1,2,3-Trichloropropane (µg/L)	0.04	<1					<1.0		
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<1					<1.0		
1,2-Dibromoethane (EDB) (µg/L)	5	<1					<1.0		
1,2-Dichlorobenzene (µg/L)	3	<1					<1.0		
1,2-Dichloroethane (µg/L)	0.6	<1					<1.0		
1,2-Dichloropropane (µg/L)	1	<1					<1.0		
1,3-Dichlorobenzene (µg/L)	3								
trans-1,4-Dichloro-2-butene (µg/L)	5								
1,4-Dichlorobenzene (µg/L)	3	<1					<1.0		
2-Butanone (MEK) (µg/L)	50 (GV)	<5					<5.0		
2-Hexanone (µg/L)	50 (GV)	<5					<5.0		
4-Methyl 2-pentanone (µg/L)	NS	<5					<5.0		
Acetone (µg/L)	50 (GV)	<5					<5.0		
Acrylonitrile (µg/L)	5	<40					<40		
Benzene (µg/L)	1	**8.7**					**7.5**		
Bromochloromethane (µg/L)	5	<1					<1.0		
Bromodichloromethane (µg/L)	50 (GV)	<1					<1.0		
Bromoform (µg/L)	50 (GV)	<1					<1.0		
Bromomethane (µg/L)	5	<1					<1.0		
Carbon disulfide (µg/L)	60 (GV)	<1					<1.0		
Carbon tetrachloride (µg/L)	5	<1					<1.0		
Chlorobenzene (µg/L)	5	3.9					3.2		
Chloroethane (µg/L)	5	<1					<1.0		
Chloroform (µg/L)	7	<1					<1.0		
Chloromethane (µg/L)	5	<1					<1.0		
cis-1,2-Dichloroethene (µg/L)	5	<1					<1.0		
cis-1,3-Dichloropropene (µg/L)	0.4**	<1					<1.0		
Dibromochloromethane (µg/L)	50 (GV)	<1					<1.0		
Dibromomethane (µg/L)	5	<1					<1.0		
Ethyl benzene (µg/L)	5	<1					<1.0		
Iodomethane (µg/L)	5	<10					<1.0		
Methylene Chloride (µg/L)	5	<1					<1.0		
Styrene (µg/L)	5	<1					<1.0		
Tetrachloroethene (µg/L)	5	<1					<1.0		
Toluene (µg/L)	5	<1					<1.0		
trans-1,2-Dichloroethene (µg/L)	5	<1					<1.0		
trans-1,3-Dichloropropene (µg/L)	0.4**	<1					<1.0		
trans-1,4-Dichloro-2-butene (µg/L)	5	<10					<1.0		
Trichloroethene (µg/L)	5	<1					<1.0		
Trichlorofluoromethane (µg/L)	5	<1					<1.0		
Vinyl Acetate (µg/L)	NS	<10					<1.0		
Vinyl Chloride (µg/L)	2	<1					<1.0		
Xylenes (Total) (µg/L)	5	**190**					**72**		
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 |
4) GV indicates that the value listed is a guidance value rather than a
5) Values in bold exceeded the applicable NYSDEC ground water sta
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	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
Dissolved Oxygen (mg/L)	NS																									
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	NS																									
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																										
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		
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		
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		
1,3-Dichlorobenzene (µg/L)	3	<5.0																								
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		
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		

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
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
Field Parameters												
Conductivity (µmhos/cm)	NS	404	404	380	390	350	391	375	387	367	354	385
Dissolved Oxygen (mg/L)	NS									3.43		
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
Redox	NS									-84		
Temperature (deg C)	NS		12	8	7	14	12.5	9.3	6.7	11.4	11.7	7.1
Turbidity (NTU)	5	**614**	**206**	**270**	**480**	**37**	-	**70**	**385**	**80**	**43**	**45**
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
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	4.6	6.2	<4	<4	<4.0	8.9	<4	<4	4	<4	<4
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
Chemical Oxygen Demand (mg/L)	NS	65	66	78	58	79	97	65	83	77	48	48
Chloride (mg/L)	250	4.2	3.4	3.4	3.4	3.1	3.6	3	3.2	3.2	2.5	4
Color (Pt-Co)	15			**800**	**1,500**					**200**		
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
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
Total Alkalinity (mg/L)	NS	210	220	230	220	230	240	230	280	230	230	320
Total Cyanide (mg/L)	0.2			<0.01	<0.01					<0.01		
Total Dissolved Solids (mg/L)	500	310	310	340	300	290	330	270	300	310	280	270
Total Hardness (mg/L)	NS	120	250	290	210	400	360	240	320	420	210	150
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
Total Organic Carbon (mg/L)	NS	28	25	25	22	26	25	22	25	22	24	19
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
Part 360 Routine Metals												
Boron (mg/L)	1			<0.5	<0.5					0.73		
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
Calcium (mg/L)	NS	41	75	89	65	120	110	74	91	43	70	77
Iron (mg/L)	0.3*	**3.2**	**14**	**12**	**13**	**12**	**21**	**3.1**	**18**	**25**	**6.8**	**8.6**
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
Magnesium (mg/L)	35 (GV)	5.2	15	16	12	26	24	12	21	16	9.5	13
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**
Potassium (mg/L)	NS	3.4	4.1	3.1	7	2.7	4	<1	4.4	3.2	2	3.1
Sodium (mg/L)	20	**43**	**30**	**26**	**51**	**34**	**37**	**34**	**44**	**29**	19	**31**
Part 360 Additional Baseline Metals												
Aluminum (mg/L)	NS			5.6	9					1.4		
Antimony (mg/L)	0.003			<0.01	<0.01					<0.01		
Arsenic (mg/L)	0.025			**0.029**	<0.01					<0.01		
Barium (mg/L)	1			0.11	<0.2					0.23		
Beryllium (mg/L)	0.003 (GV)			<0.01	<0.01					<0.01		
Chromium (mg/L)	0.05			0.012	0.017					0.013		
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			0.02	0.033					0.019		
Mercury (mg/L)	0.0007			<0.0002	<0.0002					<0.0002		
Nickel (mg/L)	0.1			0.012	0.02					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			0.012	0.017					0.012		
Zinc (mg/L)	2			0.039	0.045					0.035		
Part 360 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		
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		
1,3-Dichlorobenzene (µg/L)	3											
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		

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
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		
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
Leachate Well LMW-12
Analytical Data

Parameter	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	3/12/2003	6/25/2003	9/17/2003	12/16/03
Field Parameters																				
Conductivity (µmhos/cm)	3,400	3,430	3,850	3,900	4,470	4,770	4,560	4,940	4,080	3,820	4,100	5,090	4,750	4,490	5,700	4,430	4,820	4,500	4,550	4,600
pH (s.u.)	**6.12**	6.74	6.69	6.7	6.64	7.01	6.54	6.5	6.56	6.54	6.75	6.65	**6.42**	6.66	7.1		6.7	6.64	6.79	7.1
Temperature (deg C)	12.2	17.8	15.3	12	10.9	16	14.8	9.4	11.7	18.4	14.1	11.9	12.2	14.5	17	10.3	7.5	18.2	15.4	10
Turbidity (NTU)	**228**	**368**	**678**	**650**	**351**	**153**	**268**	**180**	**150**	**432**	**315**	**125**	**53**	**25**	**350**	**243**	**111**	**253**	4	**150**
Part 360 Leachate Indicator Parameters																				
Ammonia-Nitrogen (mg/L)	**150**	**120**	**170**	**160**	**210**	**260**	**250**	**250**	**200**	**190**	**240**	**270**	**200**	**210**	**220**	**200**	**240**	**280**	**270**	**230**
Biochemical Oxygen Demand (BOD5) (mg/L)	17	34	16	16	34	37	30	29		5.5	40	25	<20.0	18	46	37	28	22	25	<20
Bromide (mg/L)	**2.1**	<0.2	<2.0	**5.1**	**4.47**	**4.8**	**5.4**	**5.7**	**4.2**	**3.9**	**3.9**	**4.3**	**4.4**	**4.5**	**4.8**	**4.8**	**5.2**	**4.4**	**5.2**	**4.8**
Chemical Oxygen Demand (mg/L)	170	370	<10.0	270	380	400	440	440	360	170	31	240	97	280	410	400	360	420	430	380
Chloride (mg/L)	**280**	**330**	**320**	**330**	**370**	**500**	**410**	**510**	**320**	**330**	**460**	**330**	**350**	**340**	**470**	**460**	**320**	**370**	**350**	**290**
Color (Pt-Co)		**580**					300					**750**	**1500**					**750**		
Nitrate-Nitrogen (mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	0.21	<0.1	0.15	0.17	0.26	0.16	<0.1	0.38	0.19	0.2	0.25	0.28	0.19	0.19	0.41
Sulfate (mg/L)	180	6	11	<5.0	53	1.9	1.5	1.4	2.3	2.8	3	<1.0	2.3	1.9	2.2	2.5	2.2	2.3	2.2	2.6
Total Alkalinity (mg/L)	1400	1600	280	1400	990	990	1800	1800	1300	1700	1800	1800	1600	1800	1800	1700	1,900	1,800	1,700	1,700
Total Cyanide (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01		
Total Dissolved Solids (mg/L)	**1500**	**1400**	**1630**	**1750**	**1830**	**2100**	**1900**	**2000**	**1800**	**1700**	**1700**	**2000**	**1700**	**1900**	**1900**	**1800**	**1,900**	**2,000**	**1,800**	**1,800**
Total Hardness (mg/L)	652	620	831	635	596	540	620	630	620	620	660	580	650	620	630	660	600	590	720	540
Total Kjeldahl Nitrogen (mg/L)	160	180	170	160	200	260	280	270	210	190	230	250	210	200	240	220	270	330	270	280
Total Organic Carbon (mg/L)	89	90	270	107	37.3	140	120	150	130	130	140	120	150	160	160	180	150	100	150	160
Total Phenols (mg/L)	**0.03**	**0.027**	**0.034**	**0.033**	**0.027**	**0.019**	<0.002	**0.02**	**0.02**	**0.024**	**0.021**	**0.02**	**0.019**	**0.024**	**0.021**	**0.017**	<0.002	**0.014**	**0.014**	**0.018**
Part 360 Metals																				
Boron (mg/L)		**2.7**				**3.4**	**3.4**			**2.3**	**2.8**	**3**	**3.1**	**3**	**3**			**3.2**	**4**	**3**
Cadmium (mg/L)	**0.0058**	**0.0061**	<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
Calcium (mg/L)	133	120	172	117	110	93	110	110	110	100	120	100	110	110	110	120	100	100	130	97
Iron (mg/L)	**57.2**	**54.9**	**58.4**	**57.1**	**51.6**	**52**	**59**	**59**	**58**	**56**	**65**	**54**	**55**	**50**	**57**	**54**	**52**	**50**	**67**	**47**
Lead (mg/L)	0.0096	0.0061	0.022	0.011	0.012	<0.01	<0.01	0.026	<0.01	<0.01	<0.01	0.018	<0.01	<0.01	<0.01	0.018	0.015	<0.01	0.018	0.011
Magnesium (mg/L)	**77.8**	**76.8**	**97.6**	**83.4**	**78**	**76**	**84**	**89**	**82**	**86**	**90**	**80**	**88**	**86**	**88**	**90**	**82**	**83**	**98**	**73**
Manganese (mg/L)	**0.447**	**0.356**	**0.73**	**0.39**	**0.39**	0.28	**0.36**	**0.37**	**0.35**	**0.35**	**0.45**	**0.4**	**0.4**	**0.36**	**0.45**	**0.46**	**0.35**	**0.36**	**0.47**	**0.35**
Potassium (mg/L)	167	190	190	160	180	260	260	300	190	210	200	220	210	220	220	210	250	320	280	260
Sodium (mg/L)	**246**	**285**	**310**	**240**	**280**	**350**	**340**	**480**	**340**	**450**	**400**	**280**	**440**	**430**	**410**	**430**	**340**	**360**	**490**	**300**
Part 360 Additional Baseline Metals																				
Aluminum (mg/L)		0.854					2.1					1.8	0.7					0.74		
Antimony (mg/L)		<0.015					**0.031**					<0.01	<0.01					0.01		
Arsenic (mg/L)		<0.01					<0.01					0.013	0.02					**0.041**		
Barium (mg/L)		0.351					0.4					0.4	0.35					0.46		
Beryllium (mg/L)		<0.003					<0.01					<0.01	<0.01					<0.01		
Chromium (mg/L)		<0.005					0.019					0.012	<0.01					0.015		
Chromium, Hexavalent (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01		
Cobalt (mg/L)		<0.02					0.014					0.012	<0.01					0.012		
Copper (mg/L)		<0.01					0.014					<0.01	<0.01					<0.01		
Mercury (mg/L)		<0.0002					<0.0002					0.0003	0.005					<0.0002		
Nickel (mg/L)		<0.03					0.039					0.031	0.024					0.036		
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01					<0.01		
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01		
Thallium (mg/L)		<0.01					<0.01					<0.1	<0.01					**0.014**		
Vanadium (mg/L)		<0.3					0.02					0.02	0.012					0.023		
Zinc (mg/L)		0.0388					0.13					0.071	0.022					0.046		
Part 360 Volatile Organics																				
1,1,1,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5		
1,1,1-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		

City of Rome
Tannery Road Landfill
Leachate Well LMW-12
Analytical Data

Parameter	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	3/12/2003	6/25/2003	9/17/2003	12/16/03
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,2,3-Trichloropropane (µg/L)							<5.0					<5.0	<5.0					<5		
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0					<5		
1,2-Dibromoethane (EDB) (µg/L)		<5.0					<5.0					<5.0	<5.0					<5		
1,2-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5		
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
1,3-Dichlorobenzene (µg/L)		<5.0																		
1,4-Dichloro-2-butene (µg/L)		<10.0																		
1,4-Dichlorobenzene (µg/L)		**1**					<5.0					<5.0	<5.0					<5		
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10		
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10		
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10		
Acetone (µg/L)		<10.0					15					<10.0	16				11	13		
Acrylonitrile (µg/L)		<100.0					<20.0					<20.0	<20.0					<20		
Benzene (µg/L)		**10**					**43**					**33**	**35**				**40**	**34**		
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5		
Bromodichloromethane (µg/L)		<5.0										<5.0	<5.0				<5	<5		
Bromoform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Bromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Carbon disulfide (µg/L)		<68					<5.0					<5.0	<5.0				<5	<5		
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Chlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
cis-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5		
cis-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Dibromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5		
Ethyl benzene (µg/L)		**2**					<5.0					<5.0	<5.0				<5	<5		
Iodomethane (µg/L)		<5.0					<20.0					<20.0	<10.0					<10		
Methylene Chloride (µg/L)		<5.0					<10.0					<10.0	<10.0				<10	<10		
Styrene (µg/L)							<5.0					<5.0	<5.0				<5	<5		
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
trans-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5		
trans-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
trans-1,4-Dichloro-2-butene (µg/L)							<50.0					<50.0	<10.0					<10		
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Trichlorofluoromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5		
Vinyl Acetate (µg/L)		<50.0					<20.0					<20.0	<20.0					<20		
Vinyl Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5		
Xylenes (Total) (µg/L)		**15**					**41**					**26**	**17**				**11**	<5		
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
Leachate Well LMW-12
Analytical Data

Parameter	3/23/2004	6/22/2004	9/28/2004	12/16/2004	3/22/2005	NYSDEC Ground Water Standard
Field Parameters						
Conductivity (µmhos/cm)	4970	4,480	4,620	4,450	3,690	NS
pH (s.u.)	6.57	6.68	**6.4**	6.7	6.88	6.5 - 8.5
Temperature (deg C)	11.3	15.5	15.5	10	11.5	NS
Turbidity (NTU)	**83**	**15**	**5**	**180**	**41**	5
Part 360 Leachate Indicator Parameters						
Ammonia-Nitrogen (mg/L)	**300**	**270**	**220**	**290**	**240**	2
Biochemical Oxygen Demand (BOD5) (mg/L)	29	31	35	41	17	NS
Bromide (mg/L)	**5**	**5.1**	**4.8**	**4.8**	**4.4**	2
Chemical Oxygen Demand (mg/L)	720	130	420	480	430	NS
Chloride (mg/L)	**370**	**500**	**270**	**350**	**350**	250
Color (Pt-Co)			**1,400**			15
Nitrate-Nitrogen (mg/L)	0.55	0.24	0.2	0.67	0.24	10
Sulfate (mg/L)	2	1.4	2.3	2.4	1.6	250
Total Alkalinity (mg/L)	1800	1,900	1,700	1,700	1,800	NS
Total Cyanide (mg/L)			<0.01			0.2
Total Dissolved Solids (mg/L)	**1800**	**1,700**	**1,700**	**1,600**	**1,800**	500
Total Hardness (mg/L)	460	470	450	380	430	NS
Total Kjeldahl Nitrogen (mg/L)	270	270	230	260	220	NS
Total Organic Carbon (mg/L)	140	130	140	150	160	NS
Total Phenols (mg/L)	**0.022**	**0.022**	**0.019**	**0.017**	**0.013**	0.001
Part 360 Metals						
Boron (mg/L)	**3**		**2.8**			1
Cadmium (mg/L)	<0.010	<0.01	<0.01	<0.01	<0.010	0.005
Calcium (mg/L)	77	80	76	68	72	NS
Iron (mg/L)	**44**	**44**	**42**	**36**	**45**	0.3*
Lead (mg/L)	0.015	<0.01	<0.01	<0.01	<0.010	0.025
Magnesium (mg/L)	**64**	**66**	**63**	**51**	**62**	35 (GV)
Manganese (mg/L)	0.29	0.28	0.28	0.23	0.29	0.3*
Potassium (mg/L)	270	250	400	230	200	NS
Sodium (mg/L)	**330**	**320**	**320**	**360**	**350**	20
Part 360 Additional Baseline Metals						
Aluminum (mg/L)			0.45			NS
Antimony (mg/L)			**0.014**			0.003
Arsenic (mg/L)			**0.026**			0.025
Barium (mg/L)			0.22			1
Beryllium (mg/L)			<0.01			0.003 (GV)
Chromium (mg/L)			<0.01			0.05
Chromium, Hexavalent (mg/L)			<0.01			0.05
Cobalt (mg/L)			<0.01			NS
Copper (mg/L)			<0.01			0.2
Mercury (mg/L)			<0.0002			0.0007
Nickel (mg/L)			0.024			0.1
Selenium (mg/L)			<0.01			0.01
Silver (mg/L)			<0.01			0.05
Thallium (mg/L)			<0.01			0.0005 (GV)
Vanadium (mg/L)			0.026			NS
Zinc (mg/L)			0.026			2
Part 360 Volatile Organics						
1,1,1,2-Tetrachloroethane (µg/L)			<1			5
1,1,1-Trichloroethane (µg/L)			<1			5
1,1,2,2-Tetrachloroethane (µg/L)			<1			5

City of Rome
Tannery Road Landfill
Leachate Well LMW-12
Analytical Data

Parameter	3/23/2004	6/22/2004	9/28/2004	12/16/2004	3/22/2005	NYSDEC Ground Water Standard
1,1,2-Trichloroethane (µg/L)			<1			1
1,1-Dichloroethane (µg/L)			<1			5
1,1-Dichloroethene (µg/L)			<1			5
1,2,3-Trichloropropane (µg/L)			<1			0.04
1,2-Dibromo-3-chloropropane (µg/L)			<1			0.04
1,2-Dibromoethane (EDB) (µg/L)			<1			5
1,2-Dichlorobenzene (µg/L)			<1			3
1,2-Dichloroethane (µg/L)			<1			0.6
1,2-Dichloropropane (µg/L)			<1			1
1,3-Dichlorobenzene (µg/L)						3
1,4-Dichloro-2-butene (µg/L)						5
1,4-Dichlorobenzene (µg/L)			<1			3
2-Butanone (MEK) (µg/L)			<10			50 (GV)
2-Hexanone (µg/L)			<10			50 (GV)
4-Methyl 2-pentanone (µg/L)			<10			NS
Acetone (µg/L)			<10			50 (GV)
Acrylonitrile (µg/L)			<5			5
Benzene (µg/L)			**16**			1
Bromochloromethane (µg/L)			<1			5
Bromodichloromethane (µg/L)			<1			50 (GV)
Bromoform (µg/L)			<1			50 (GV)
Bromomethane (µg/L)			<1			5
Carbon disulfide (µg/L)			<1			60 (GV)
Carbon tetrachloride (µg/L)			<1			5
Chlorobenzene (µg/L)			1.6			5
Chloroethane (µg/L)			<1			5
Chloroform (µg/L)			<1			7
Chloromethane (µg/L)			<1			5
cis-1,2-Dichloroethene (µg/L)			<1			5
cis-1,3-Dichloropropene (µg/L)			<1			0.4**
Dibromochloromethane (µg/L)			<1			50 (GV)
Dibromomethane (µg/L)			<1			5
Ethyl benzene (µg/L)			<1			5
Iodomethane (µg/L)			<10			5
Methylene Chloride (µg/L)			<10			5
Styrene (µg/L)			<1			5
Tetrachloroethene (µg/L)			<1			5
Toluene (µg/L)			<1			5
trans-1,2-Dichloroethene (µg/L)			<1			5
trans-1,3-Dichloropropene (µg/L)			<1			0.4**
trans-1,4-Dichloro-2-butene (µg/L)			<10			5
Trichloroethene (µg/L)			<1			5
Trichlorofluoromethane (µg/L)			<1			5
Vinyl Acetate (µg/L)			<5			NS
Vinyl Chloride (µg/L)			<1			2
Xylenes (Total) (µg/L)			2			5
1,2-Dichloroethene - Total						

Notes

APPENDIX B

MONITORING WELL AND LEACHATE WELL

TIME SERIES CONCENTRATION GRAPHS

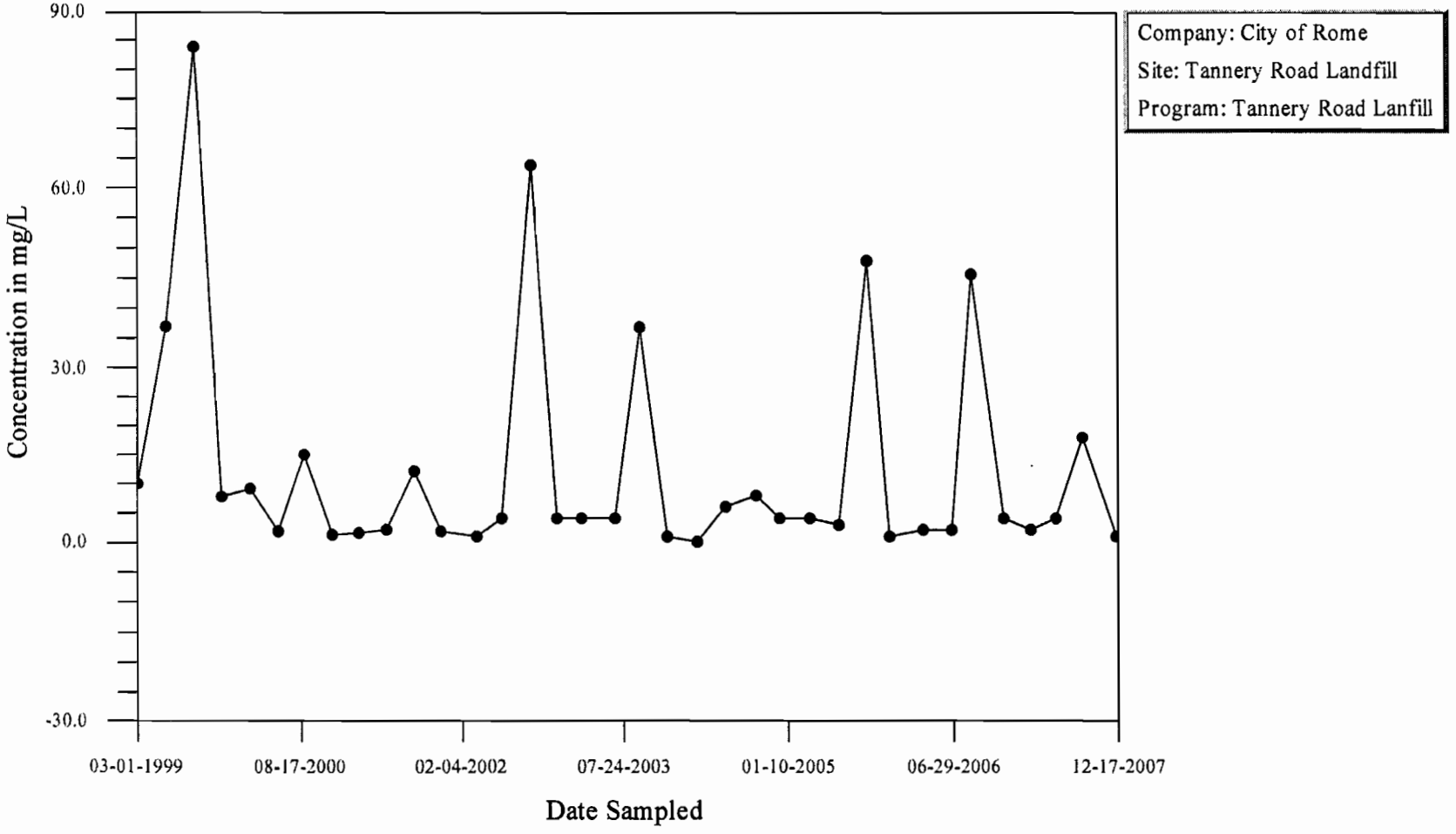
APPENDIX B

MONITORING WELL AND LEACHATE WELL

TIME SERIES CONCENTRATION GRAPHS

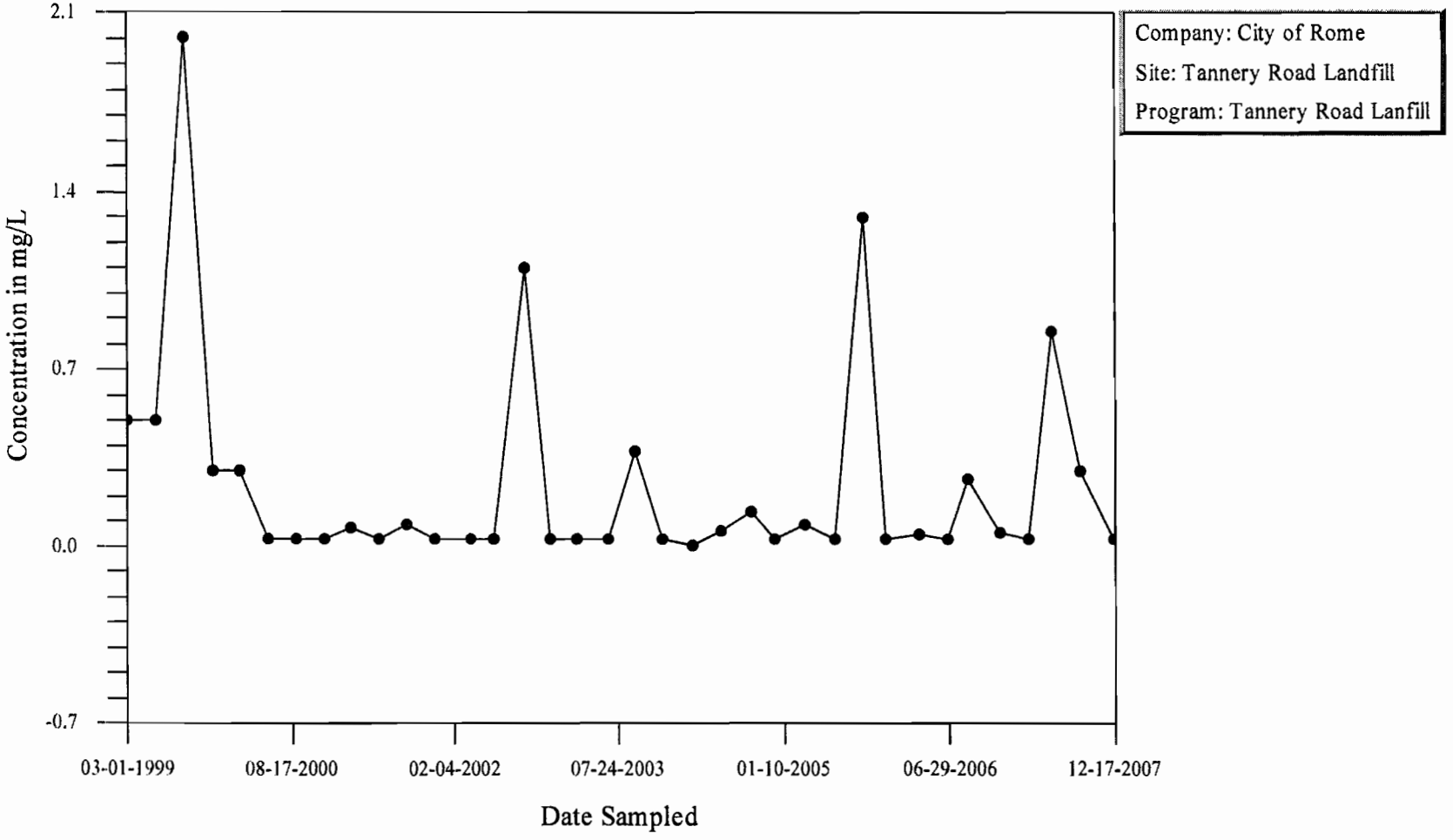
Time-Series Plot

Total Alkalinity, MW-1S



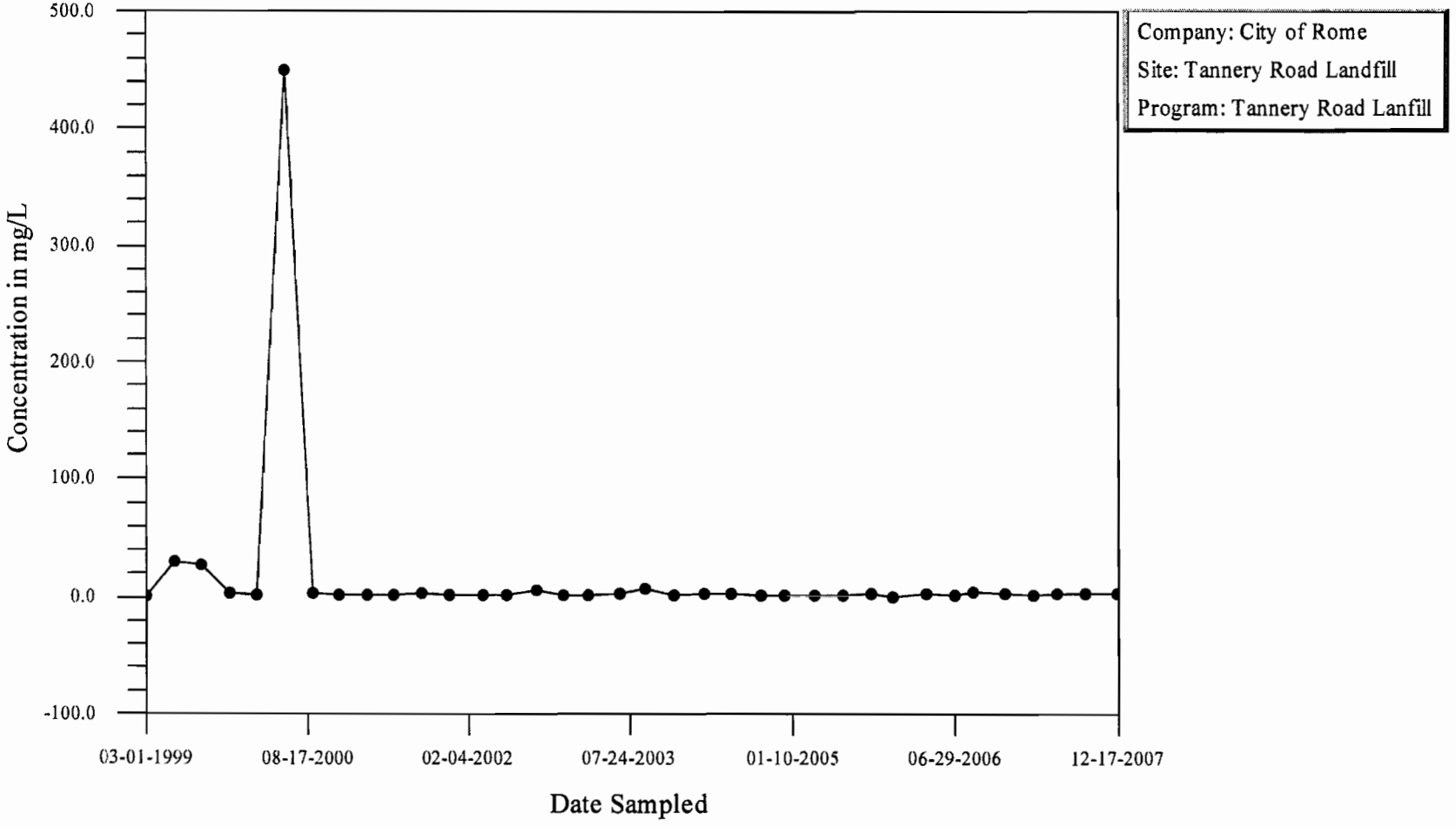
Time-Series Plot

Ammonia-Nitrogen, MW-1S



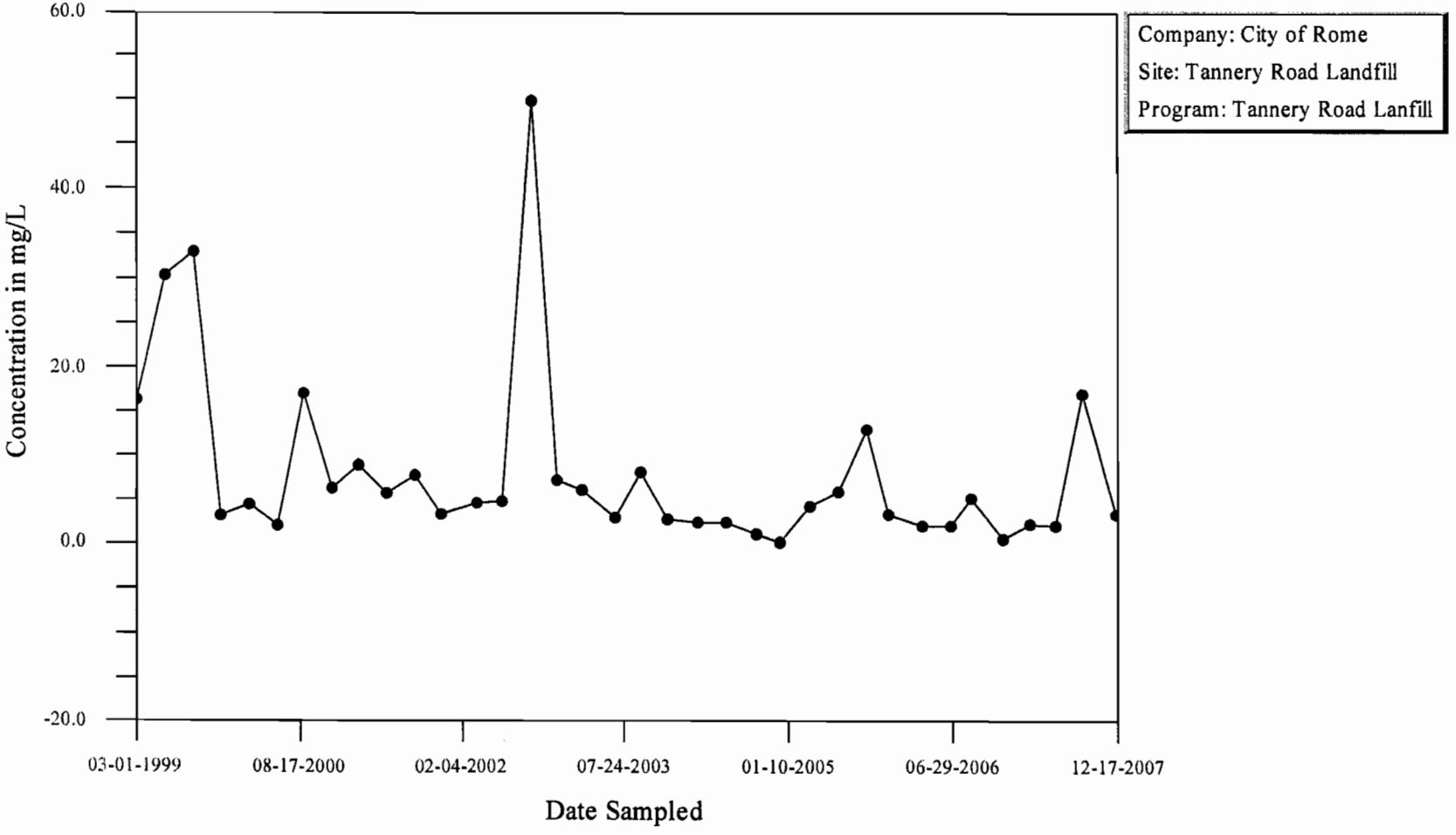
Time-Series Plot

Chloride, MW-1S



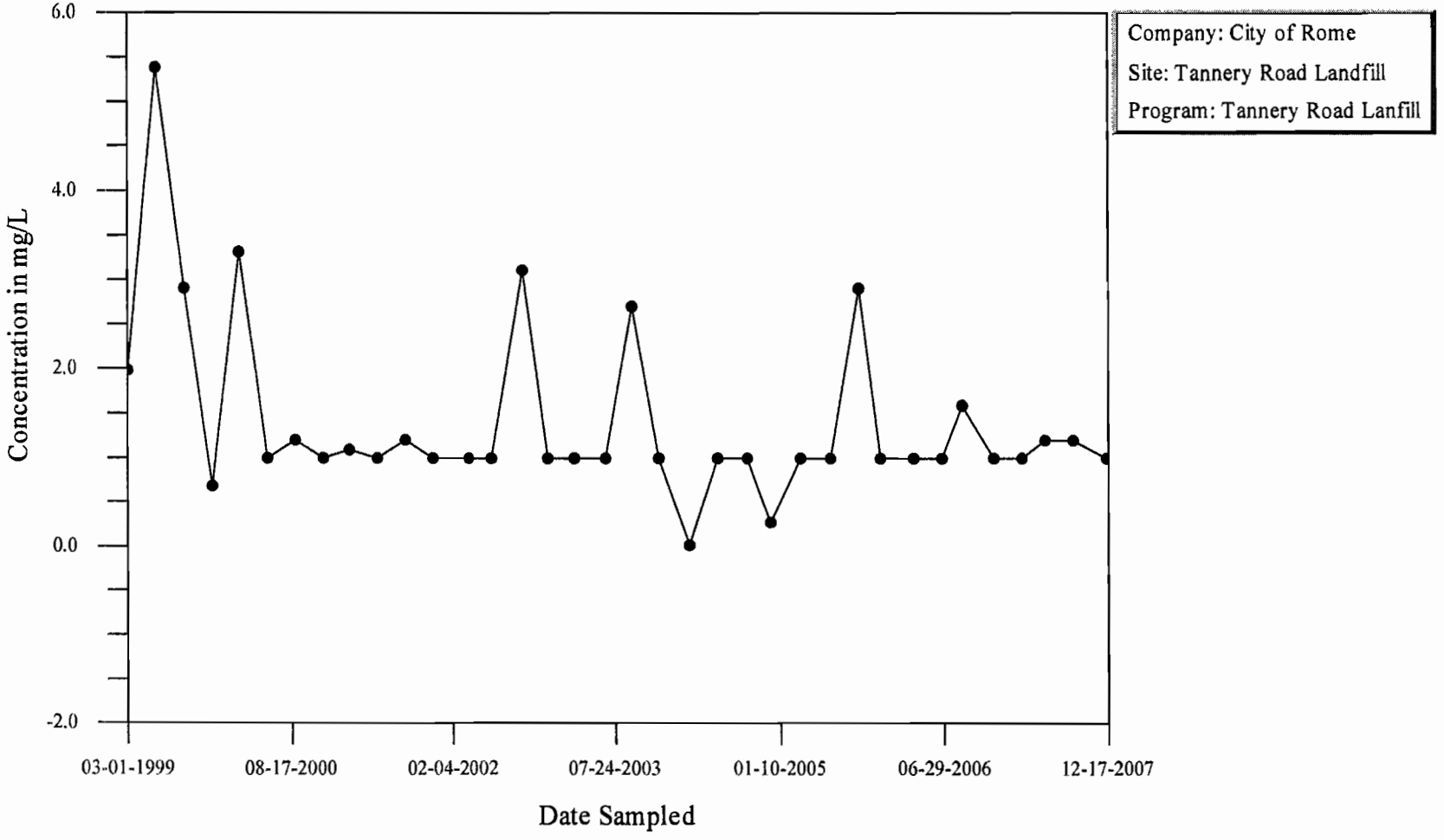
Time-Series Plot

Iron, MW-1S



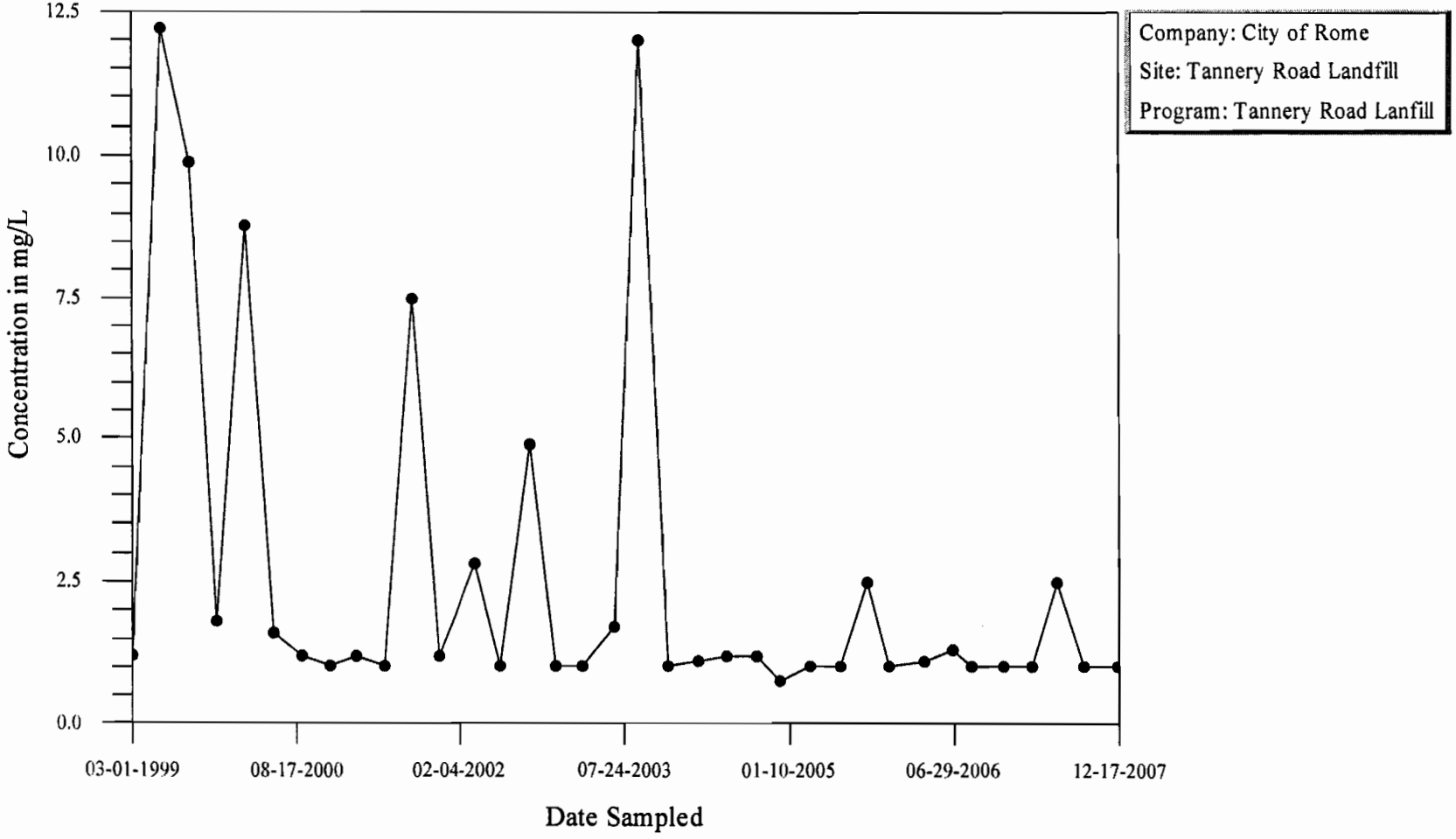
Time-Series Plot

Potassium, MW-1S



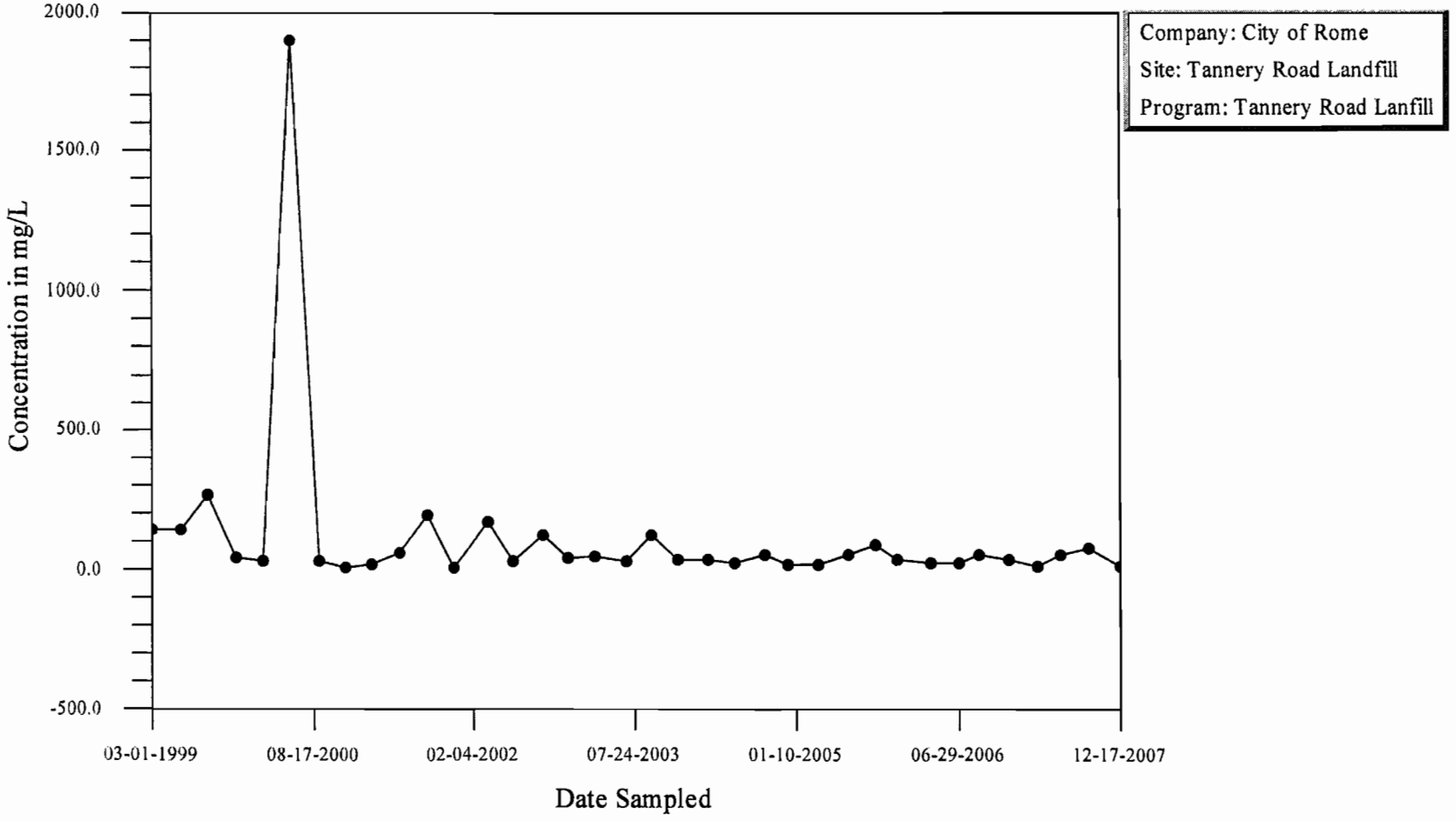
Time-Series Plot

Sodium, MW-1S



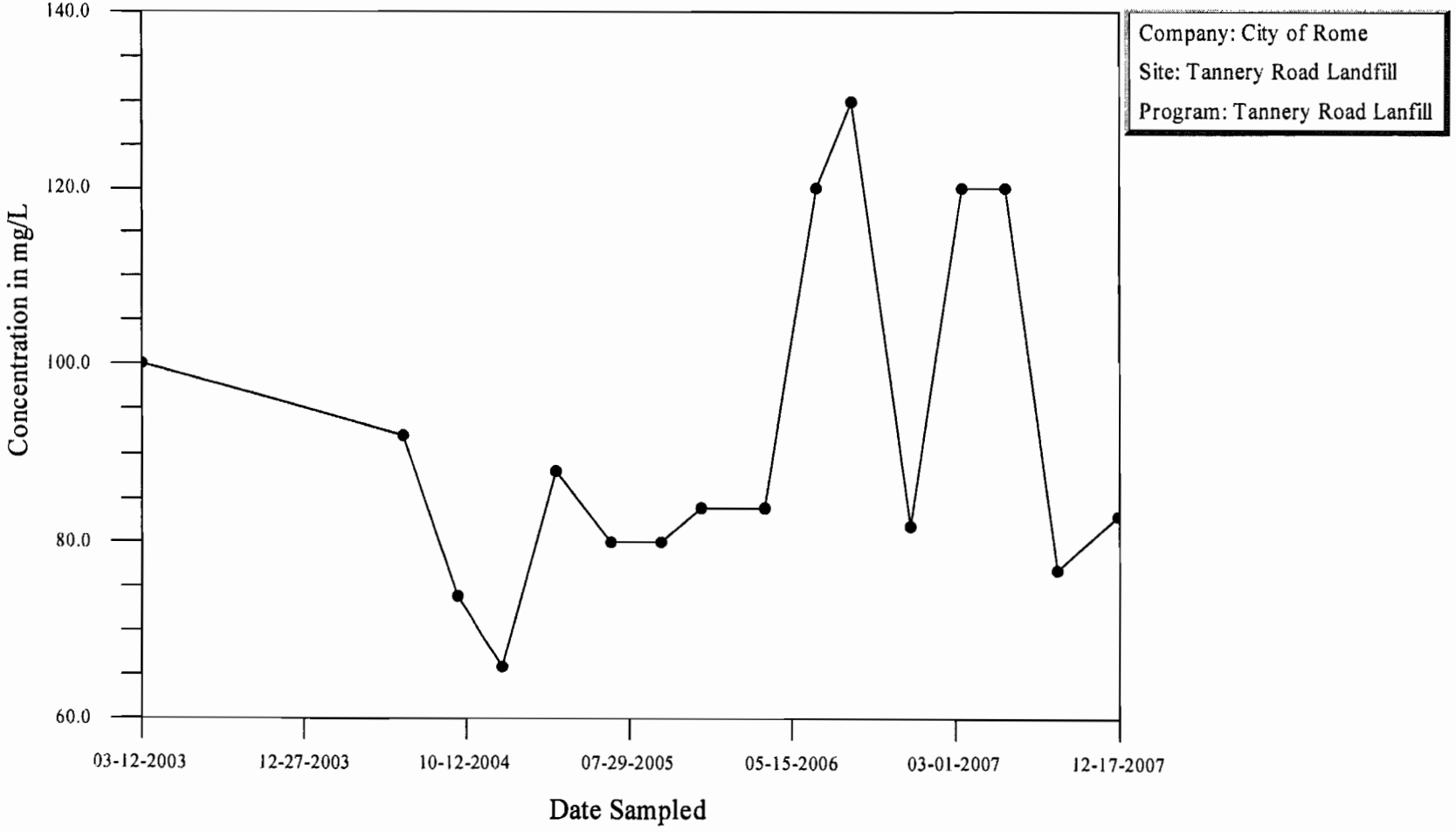
Time-Series Plot

Total Dissolved Solids, MW-1S



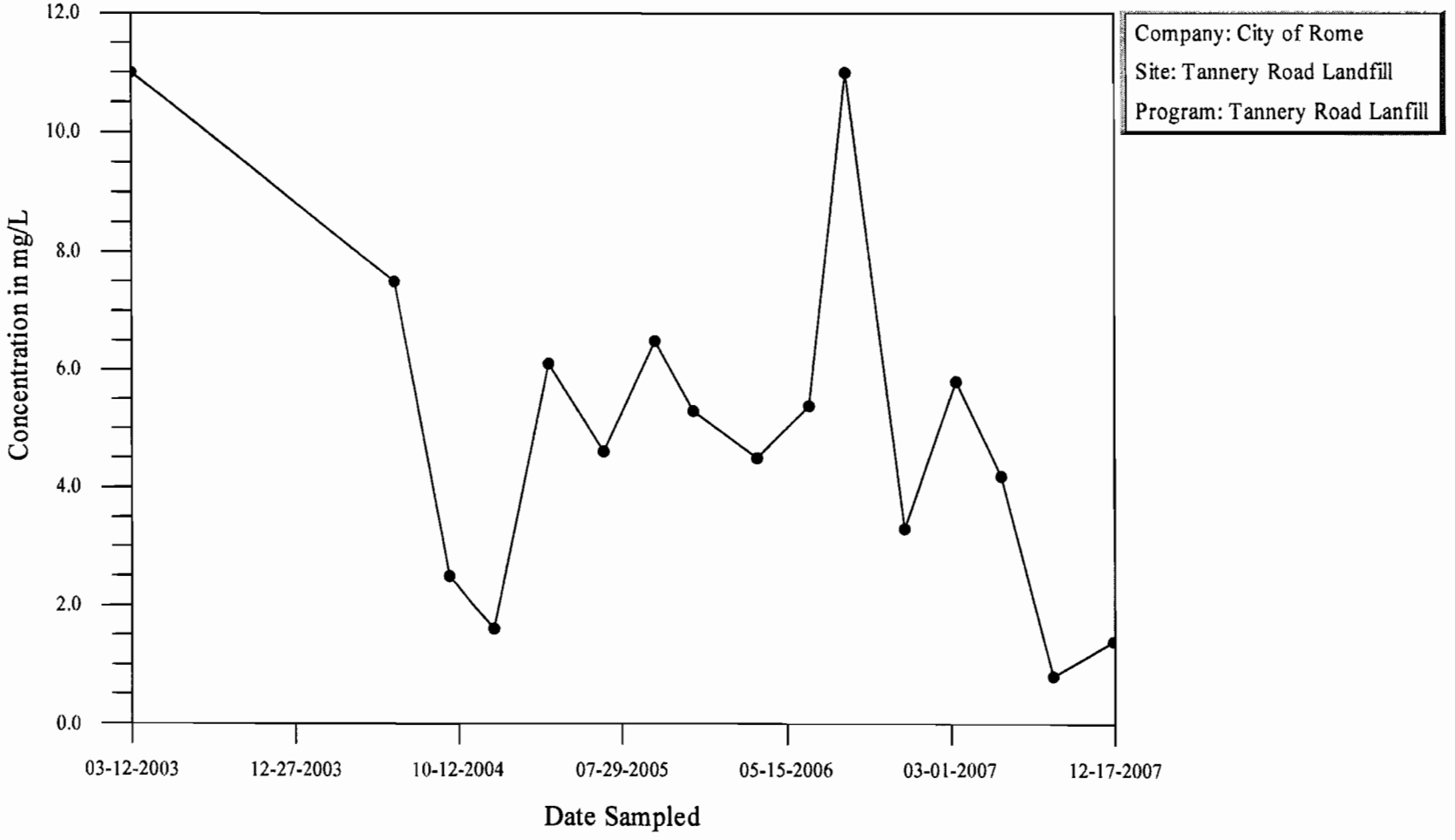
Time-Series Plot

Total Alkalinity, MW-2D



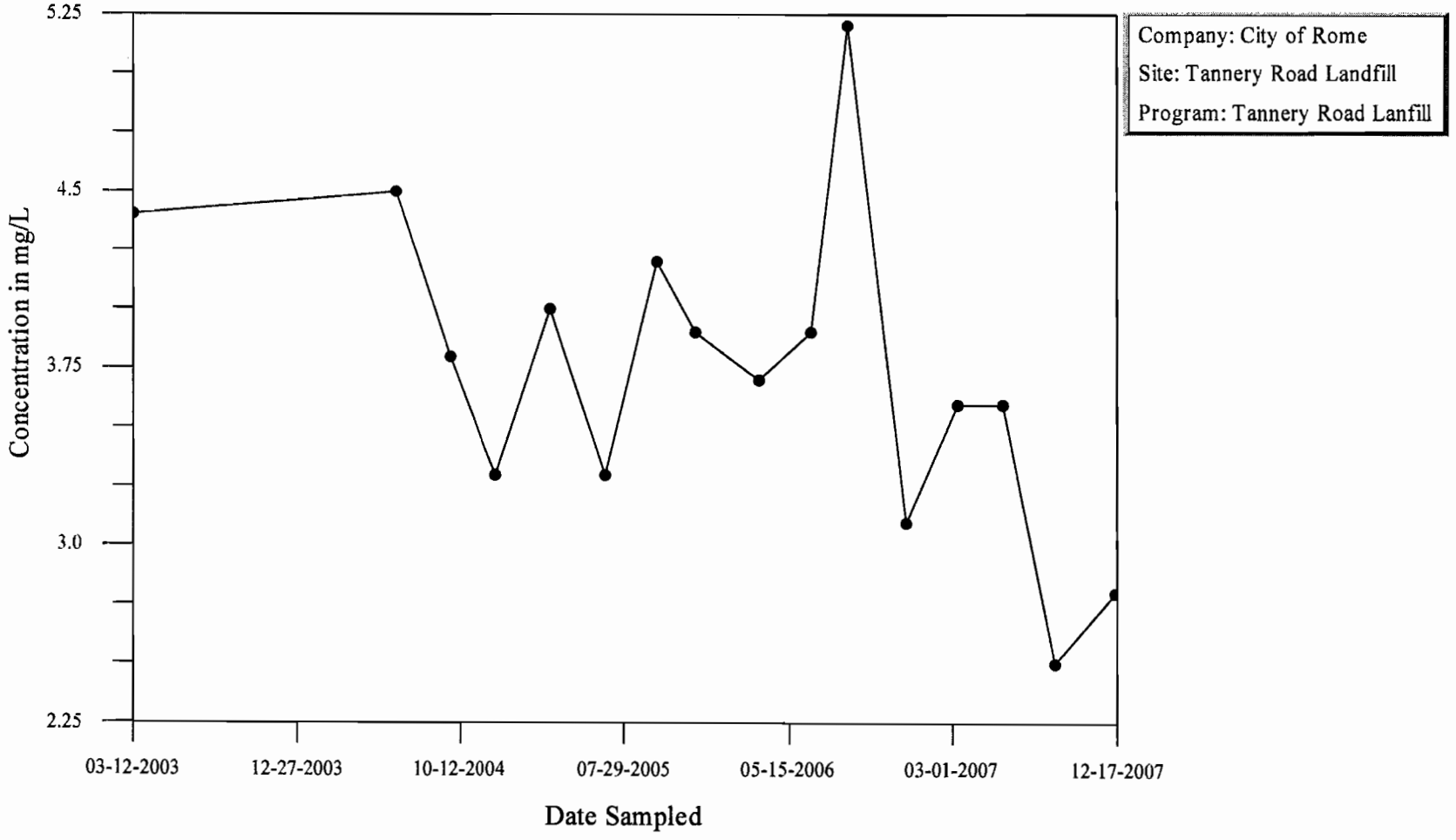
Time-Series Plot

Ammonia-Nitrogen, MW-2D



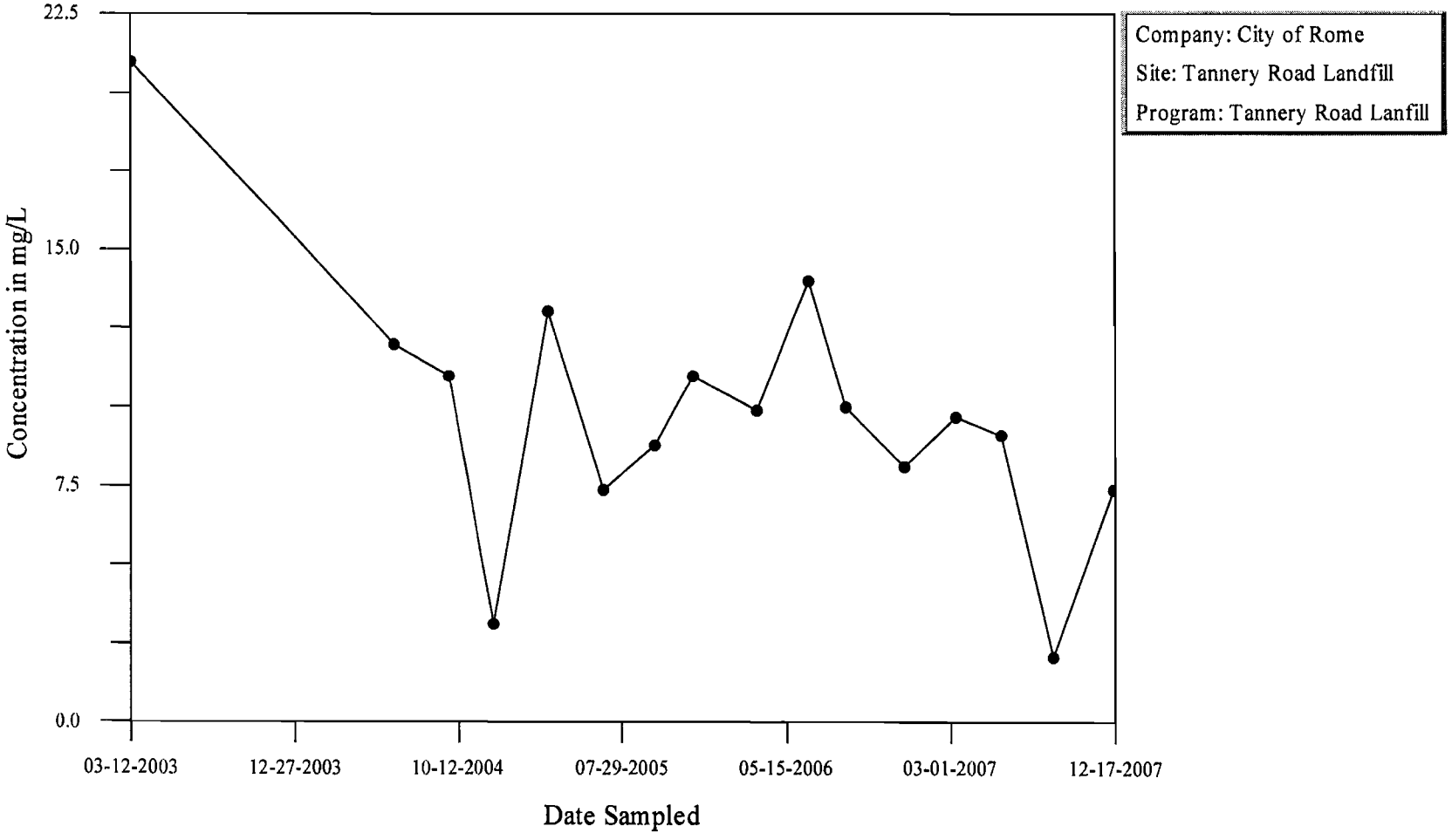
Time-Series Plot

Chloride, MW-2D



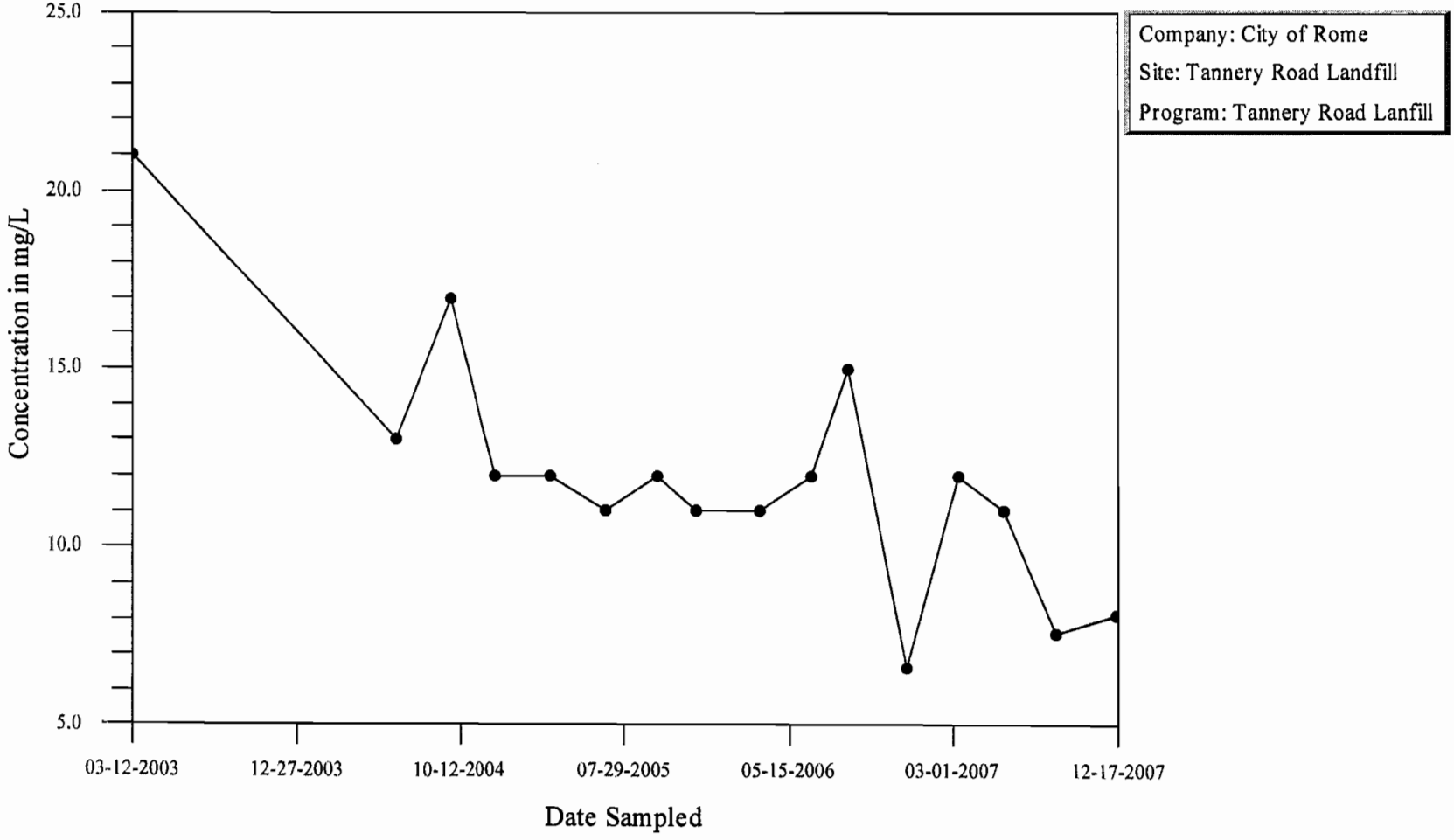
Time-Series Plot

Iron, MW-2D



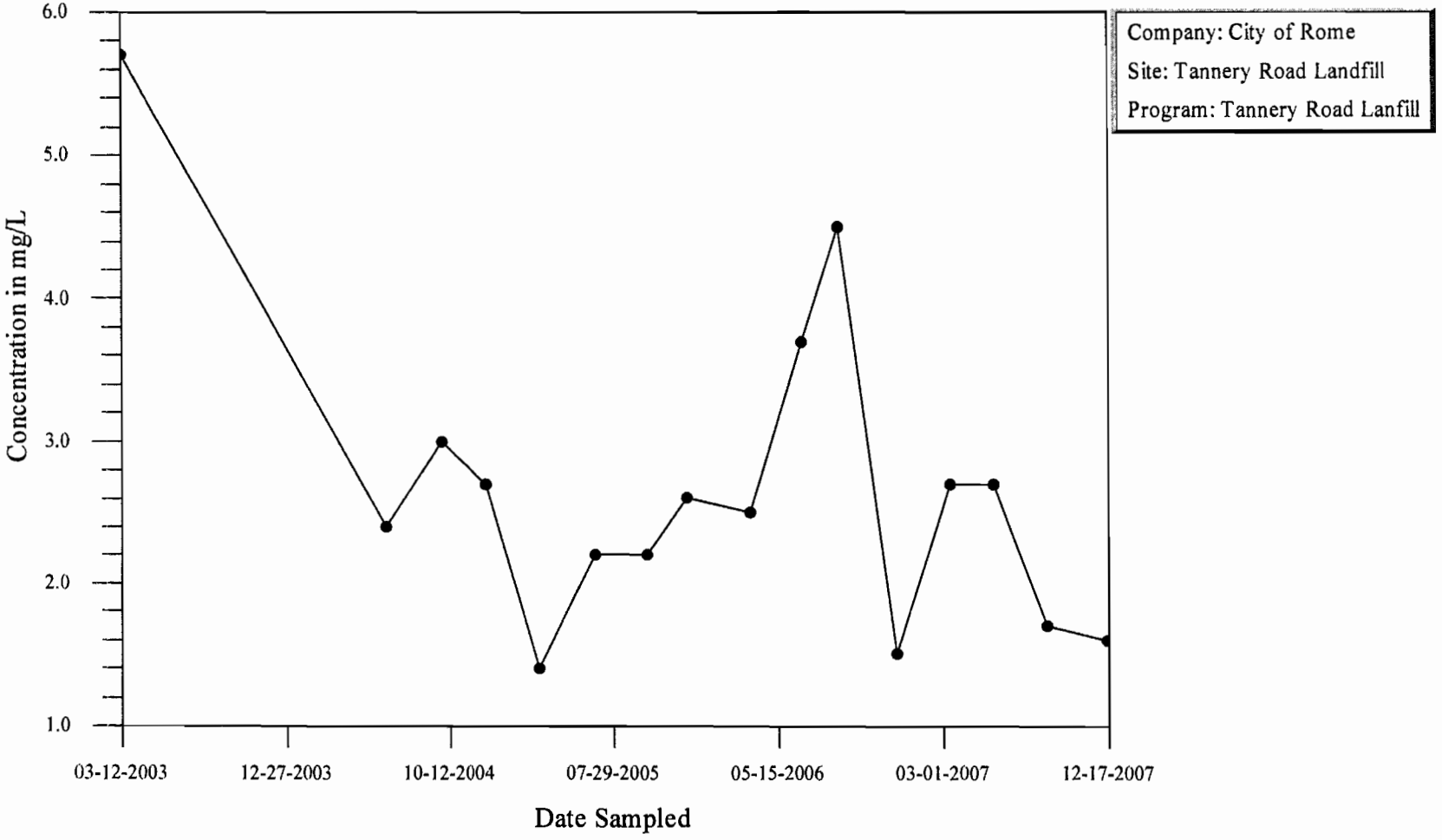
Time-Series Plot

Potassium, MW-2D



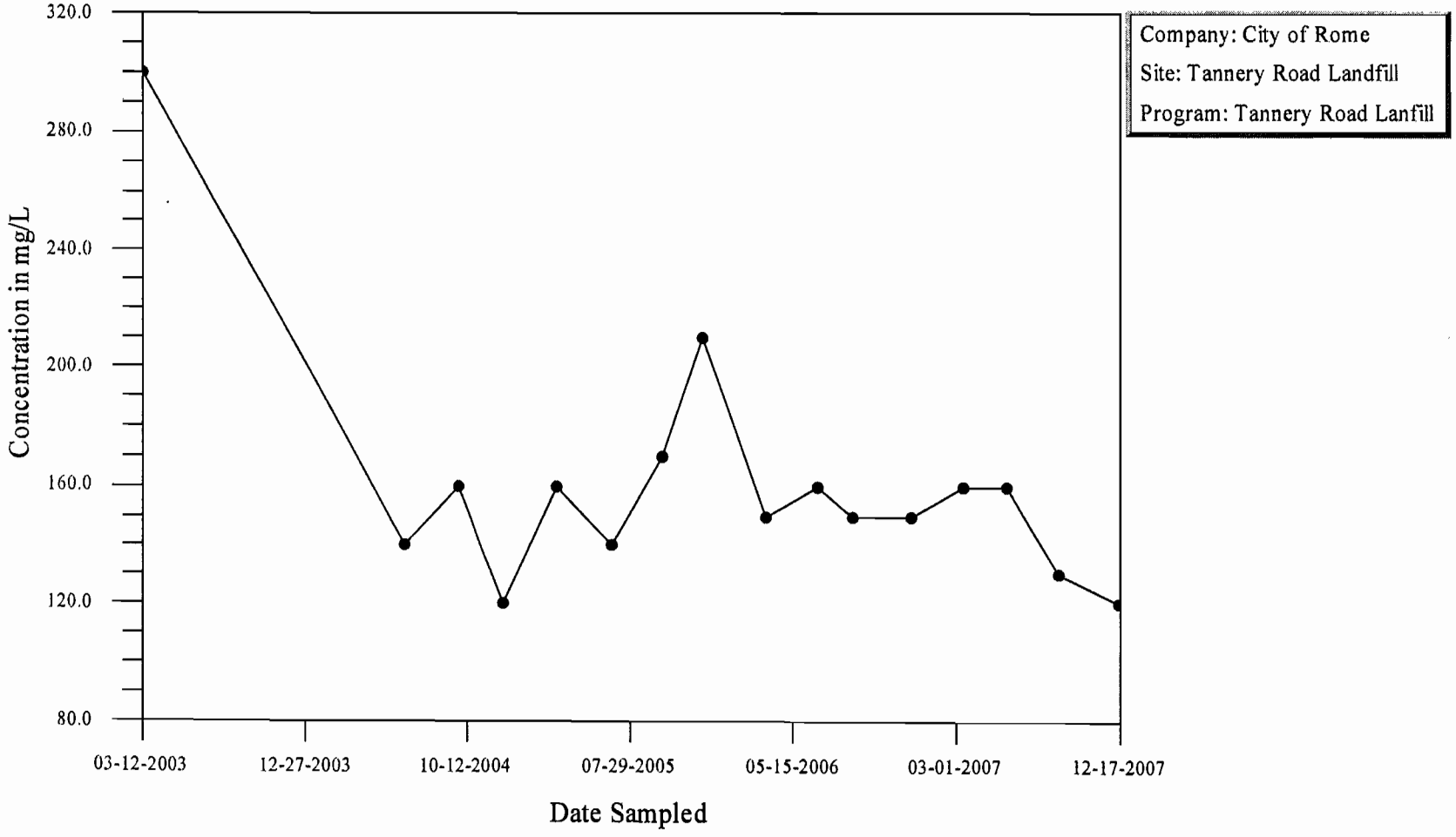
Time-Series Plot

Sodium, MW-2D



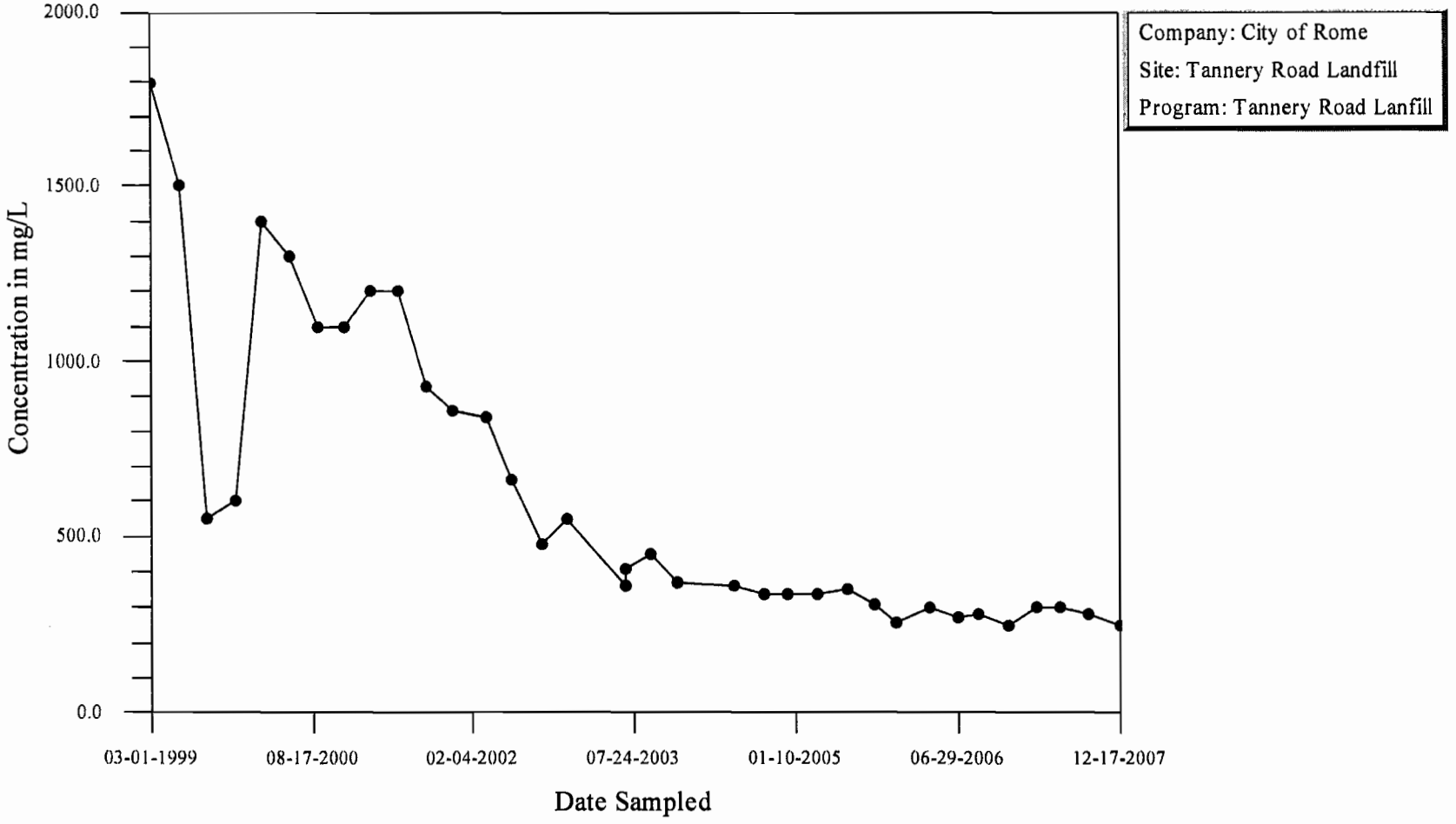
Time-Series Plot

Total Dissolved Solids, MW-2D



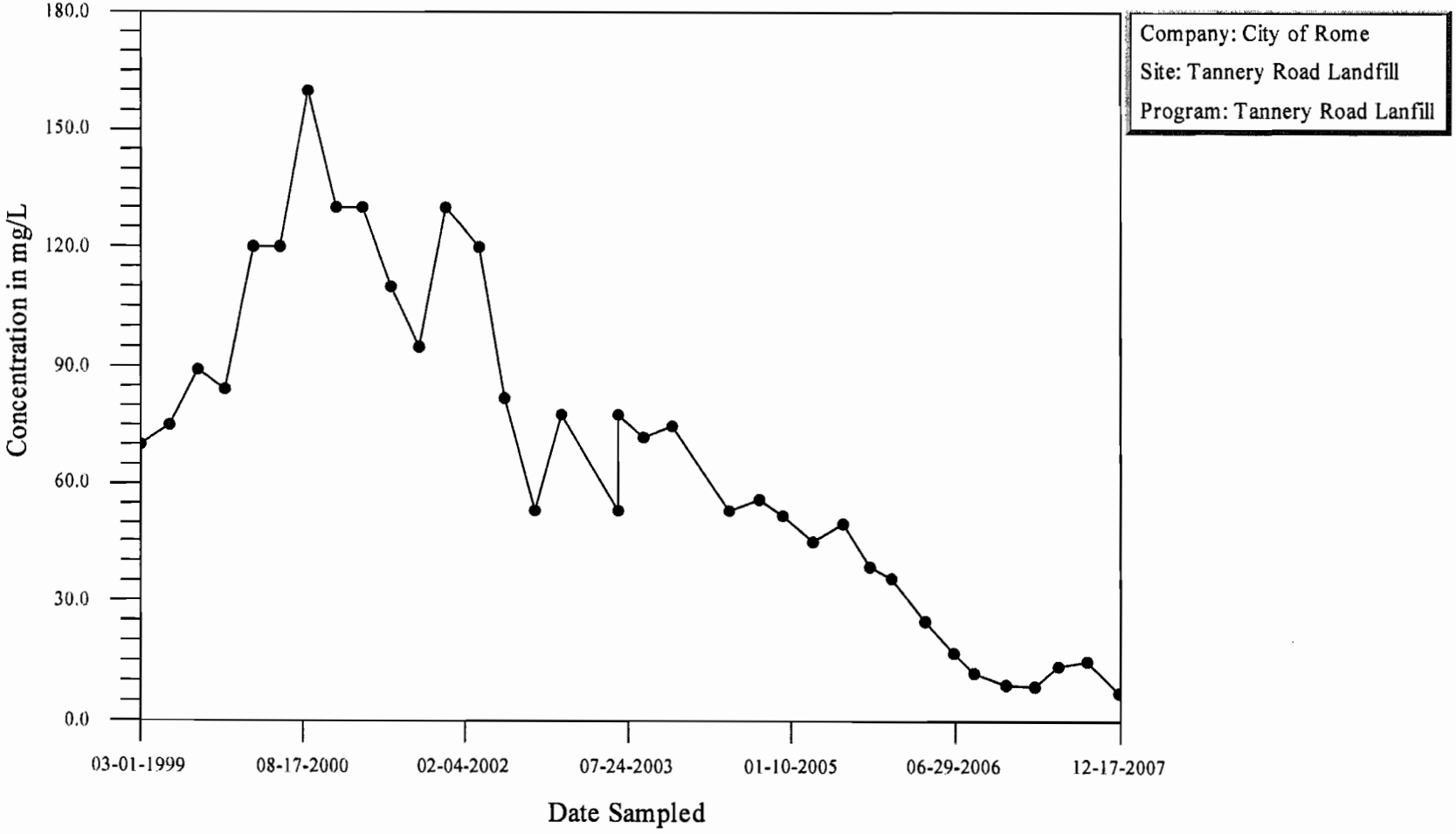
Time-Series Plot

Total Alkalinity, MW-3S



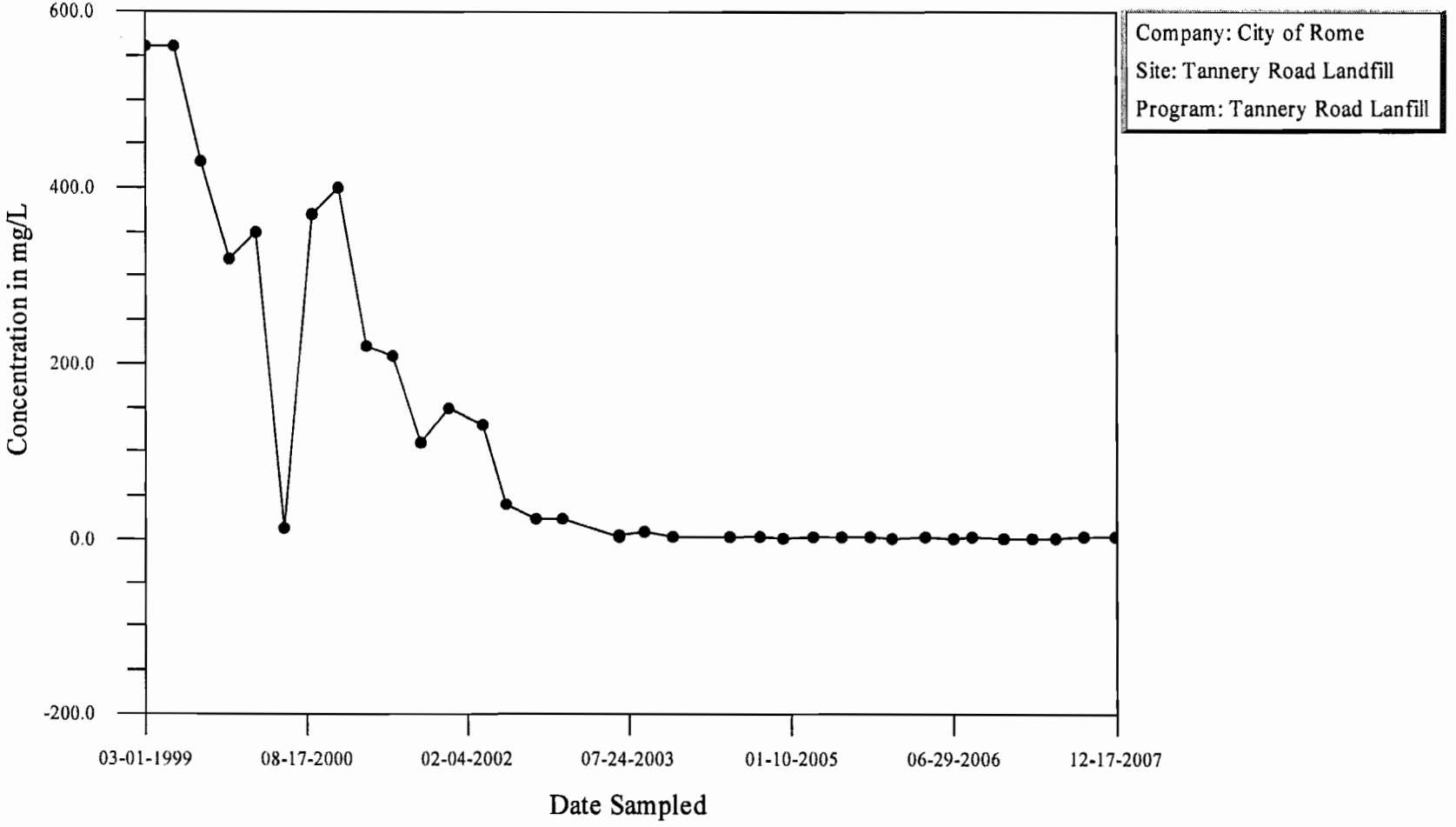
Time-Series Plot

Ammonia-Nitrogen, MW-3S



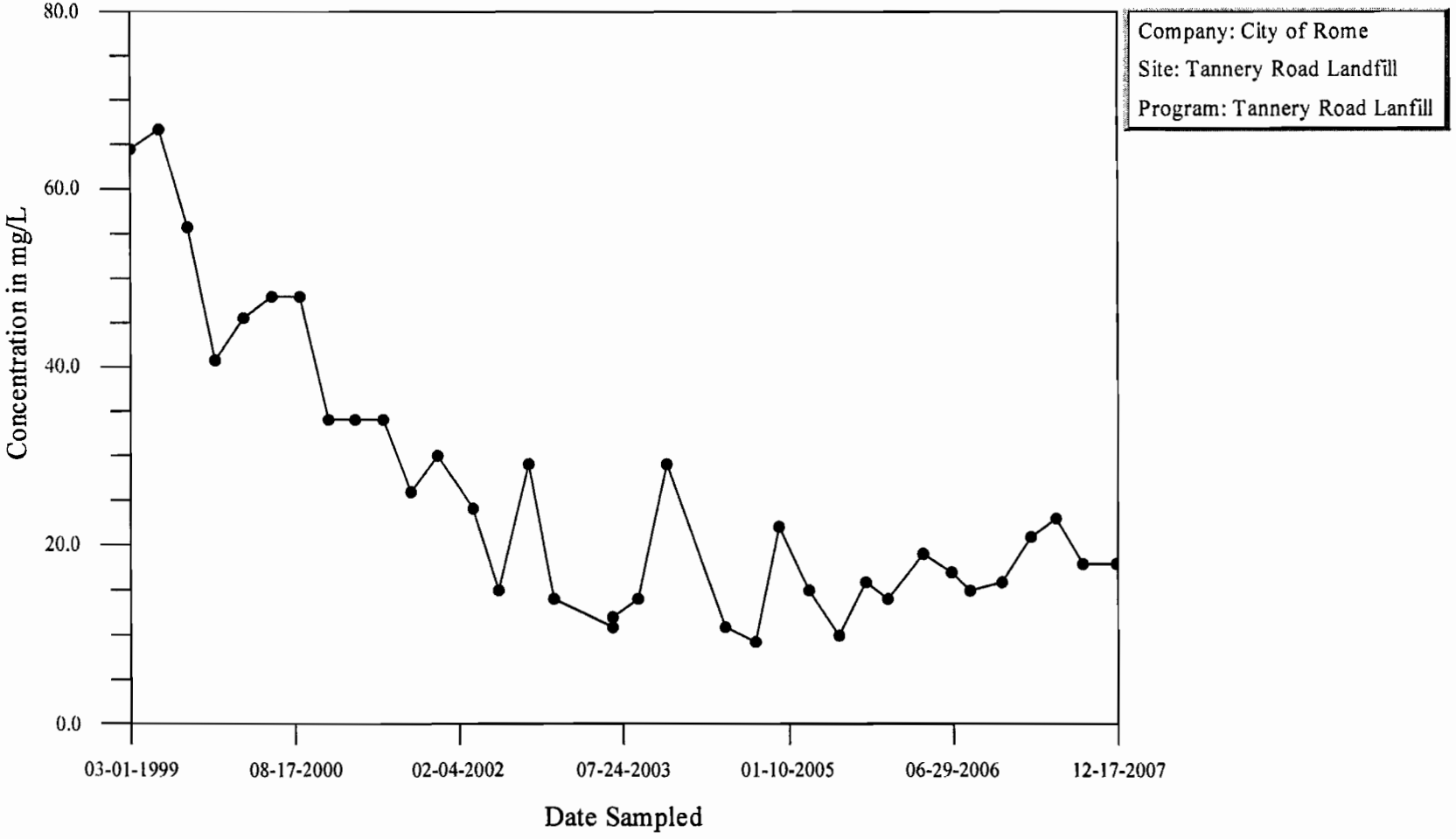
Time-Series Plot

Chloride, MW-3S



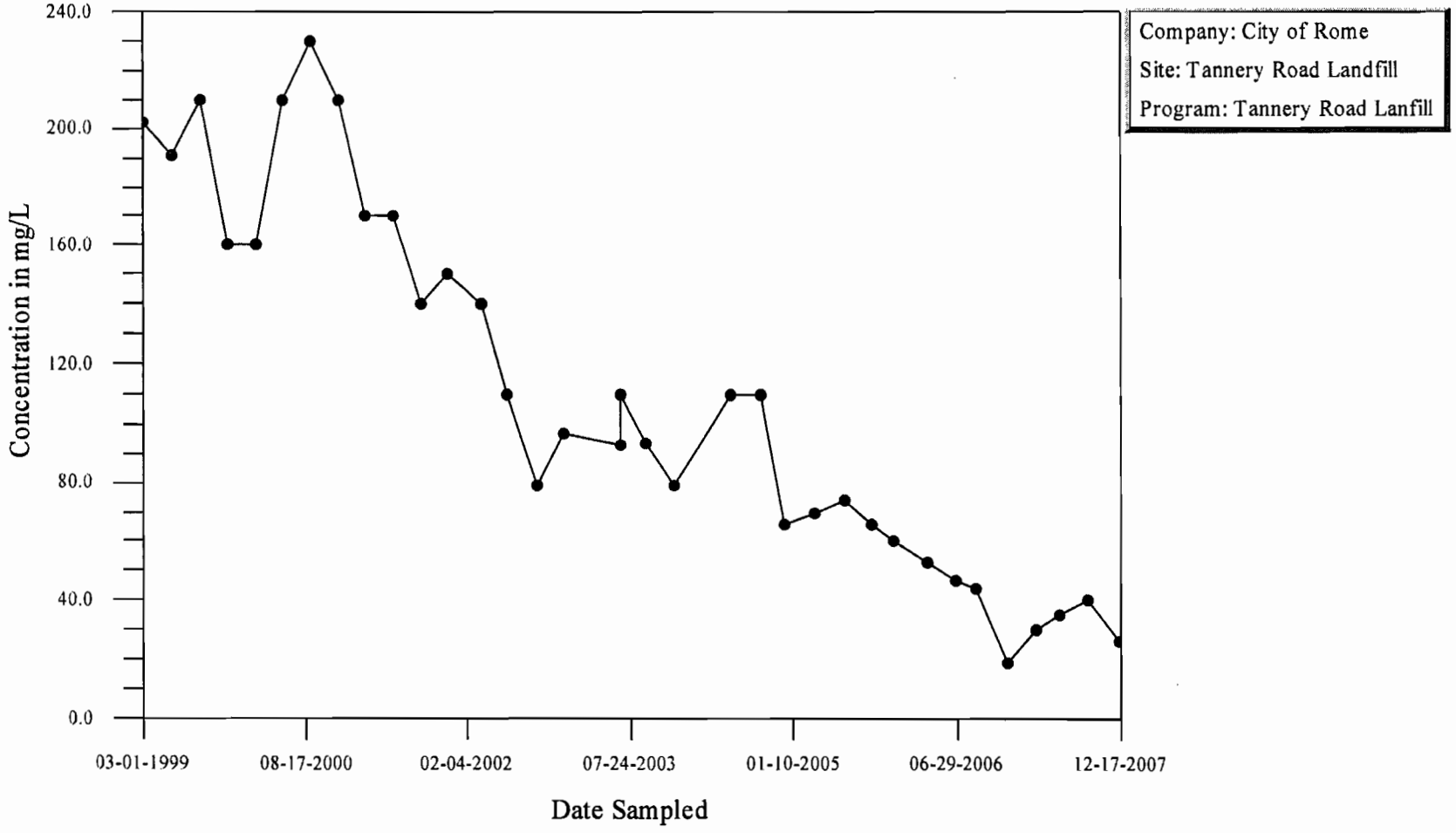
Time-Series Plot

Iron, MW-3S



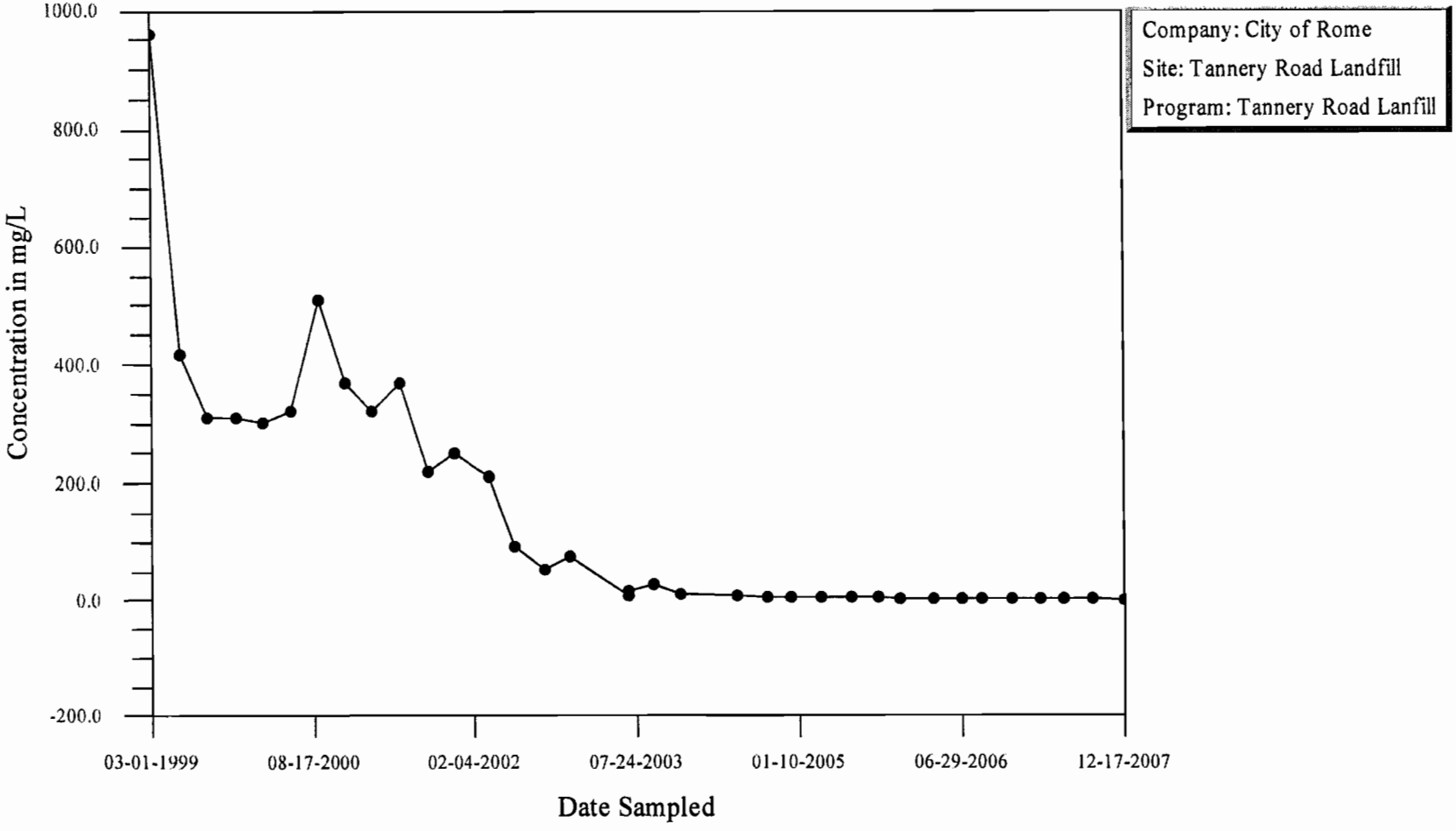
Time-Series Plot

Potassium, MW-3S



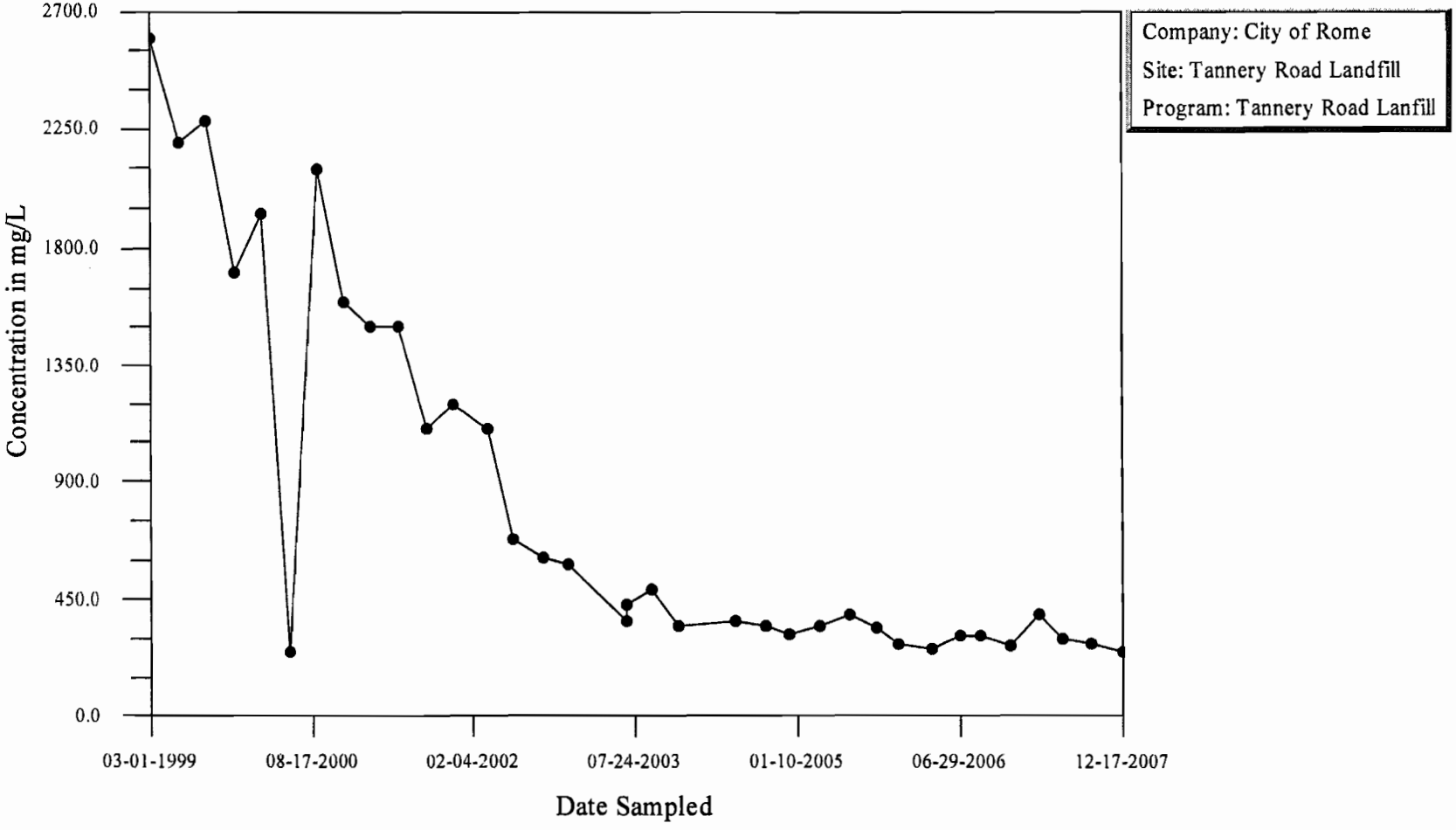
Time-Series Plot

Sodium, MW-3S



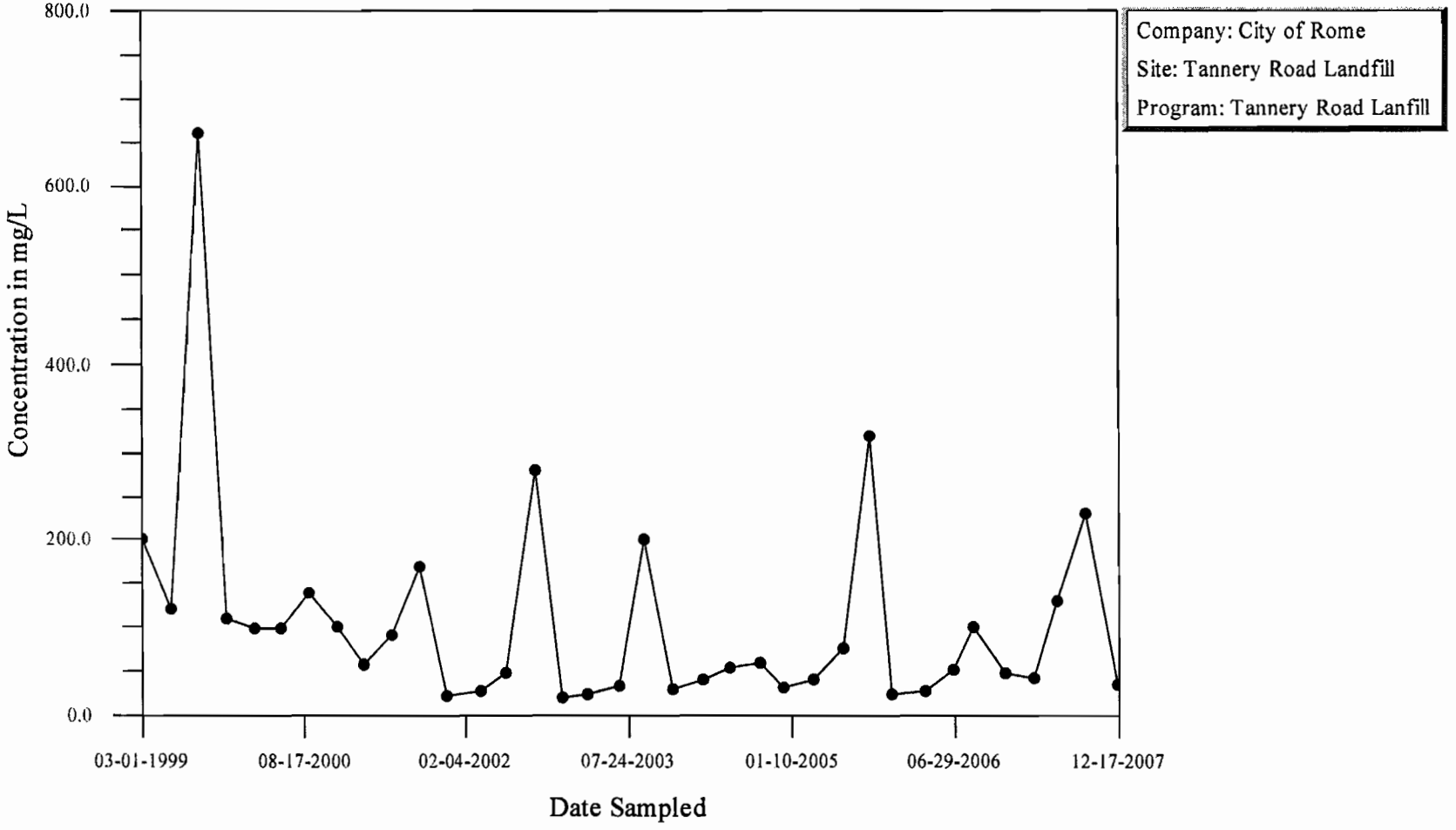
Time-Series Plot

Total Dissolved Solids, MW-3S



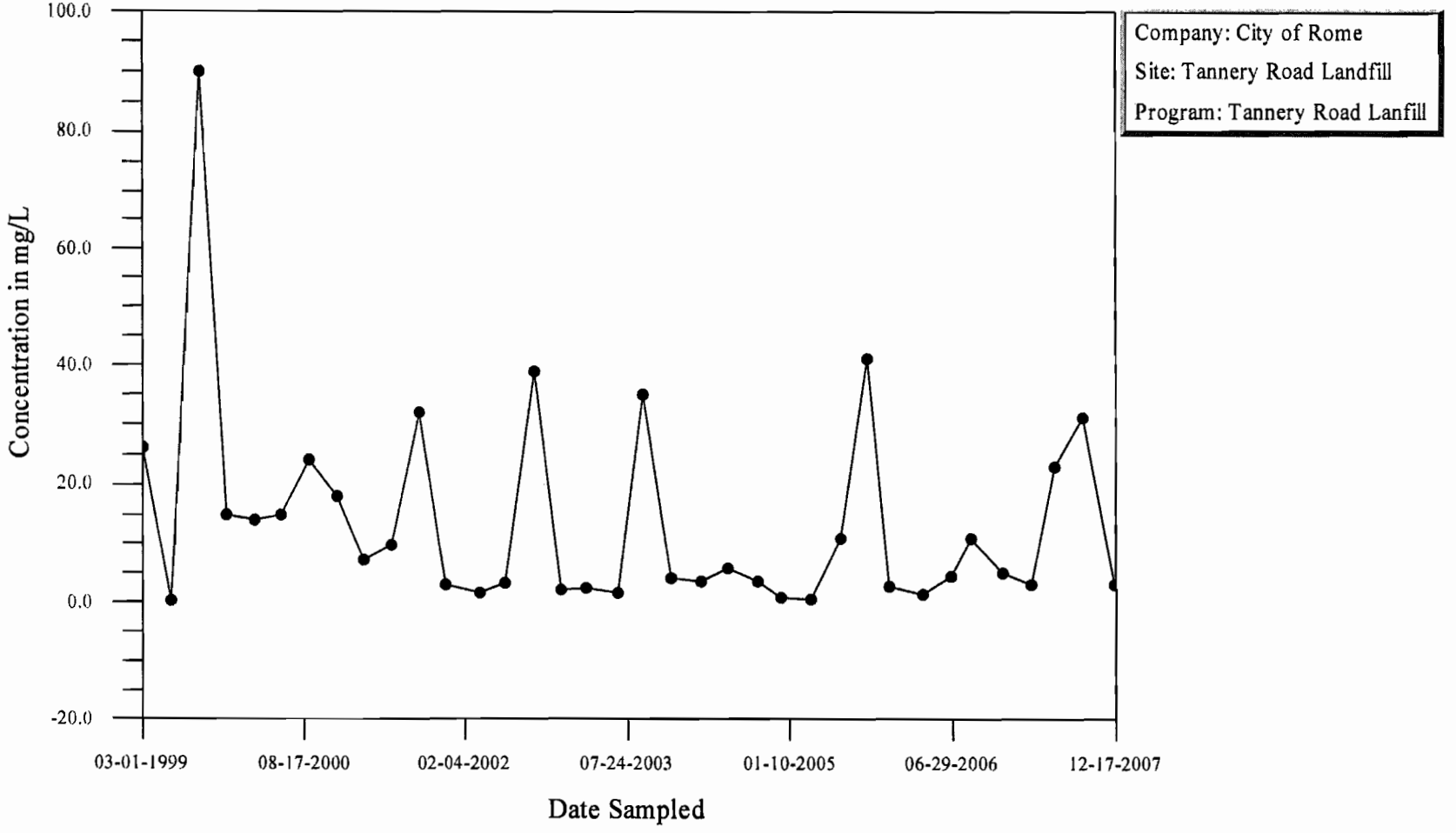
Time-Series Plot

Total Alkalinity, MW-4S



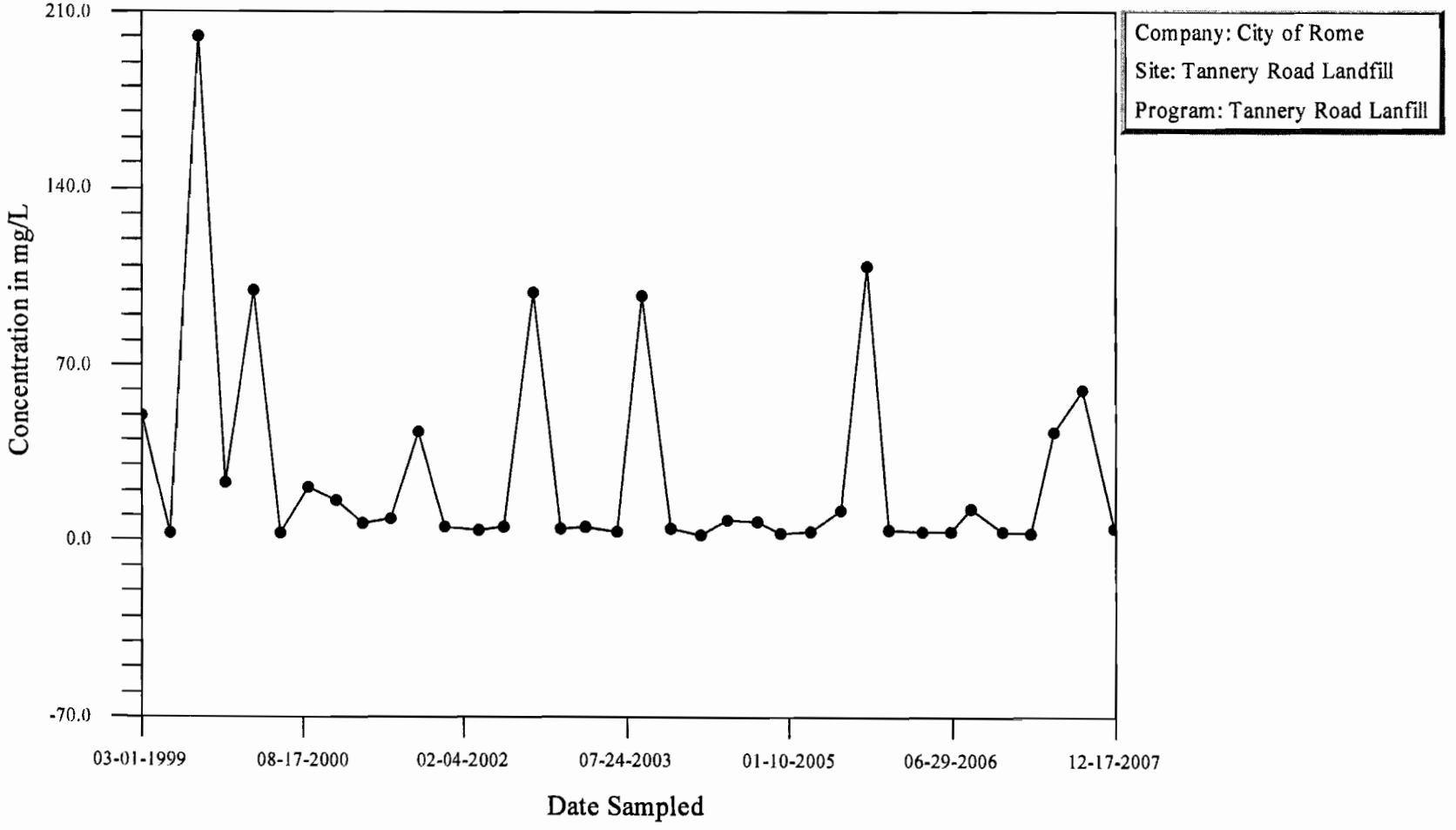
Time-Series Plot

Ammonia-Nitrogen, MW-4S



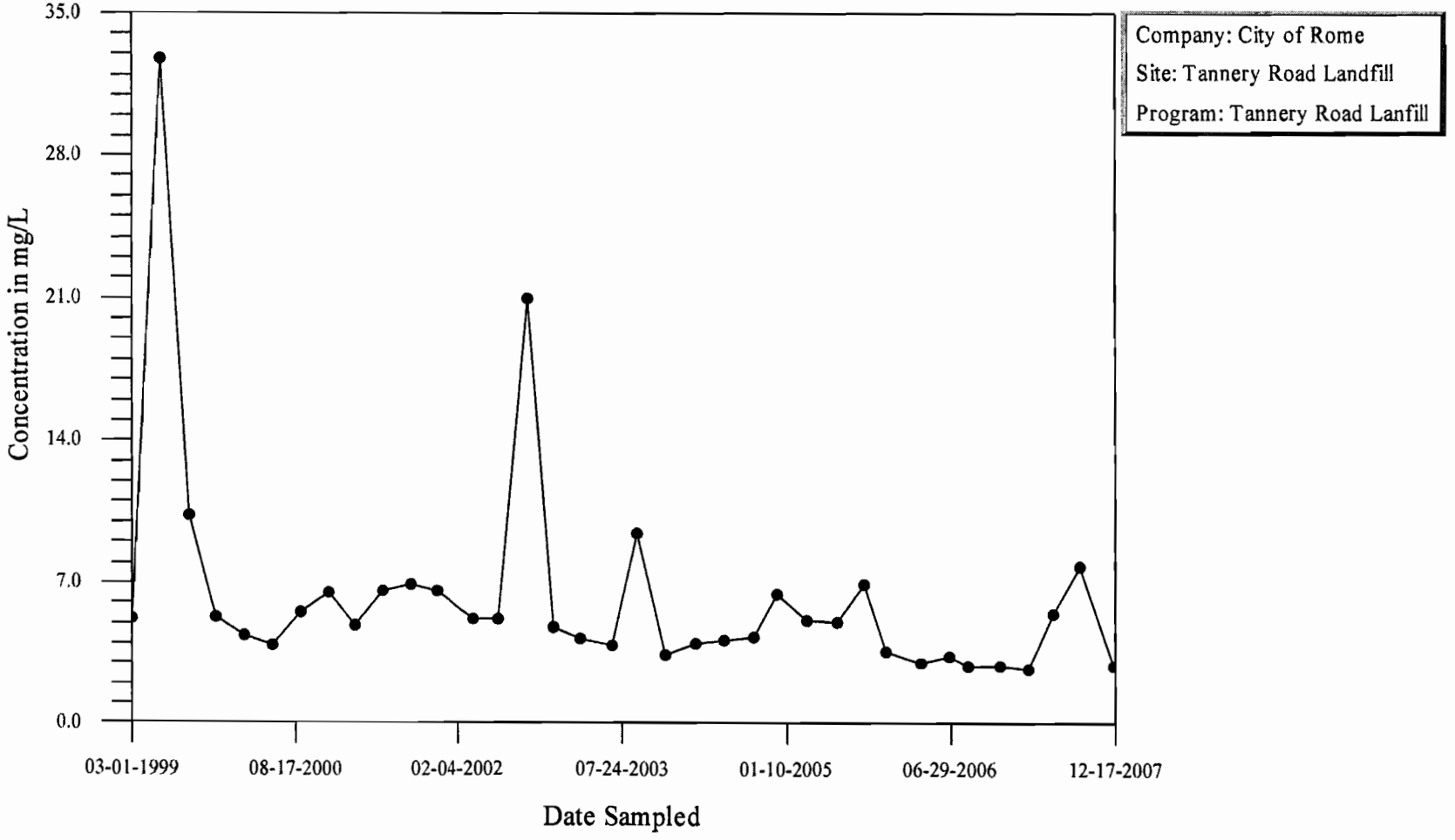
Time-Series Plot

Chloride, MW-4S



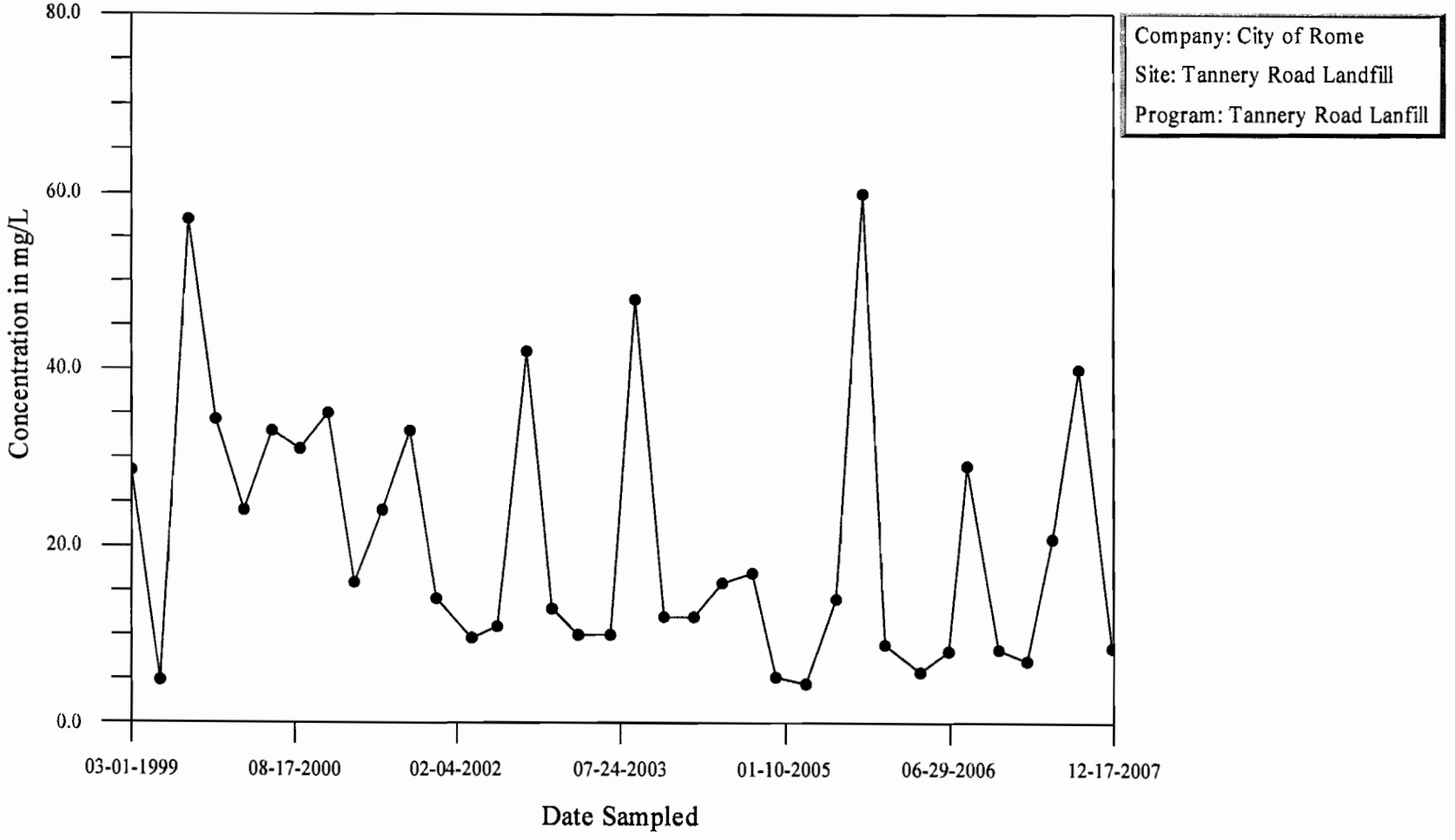
Time-Series Plot

Iron, MW-4S



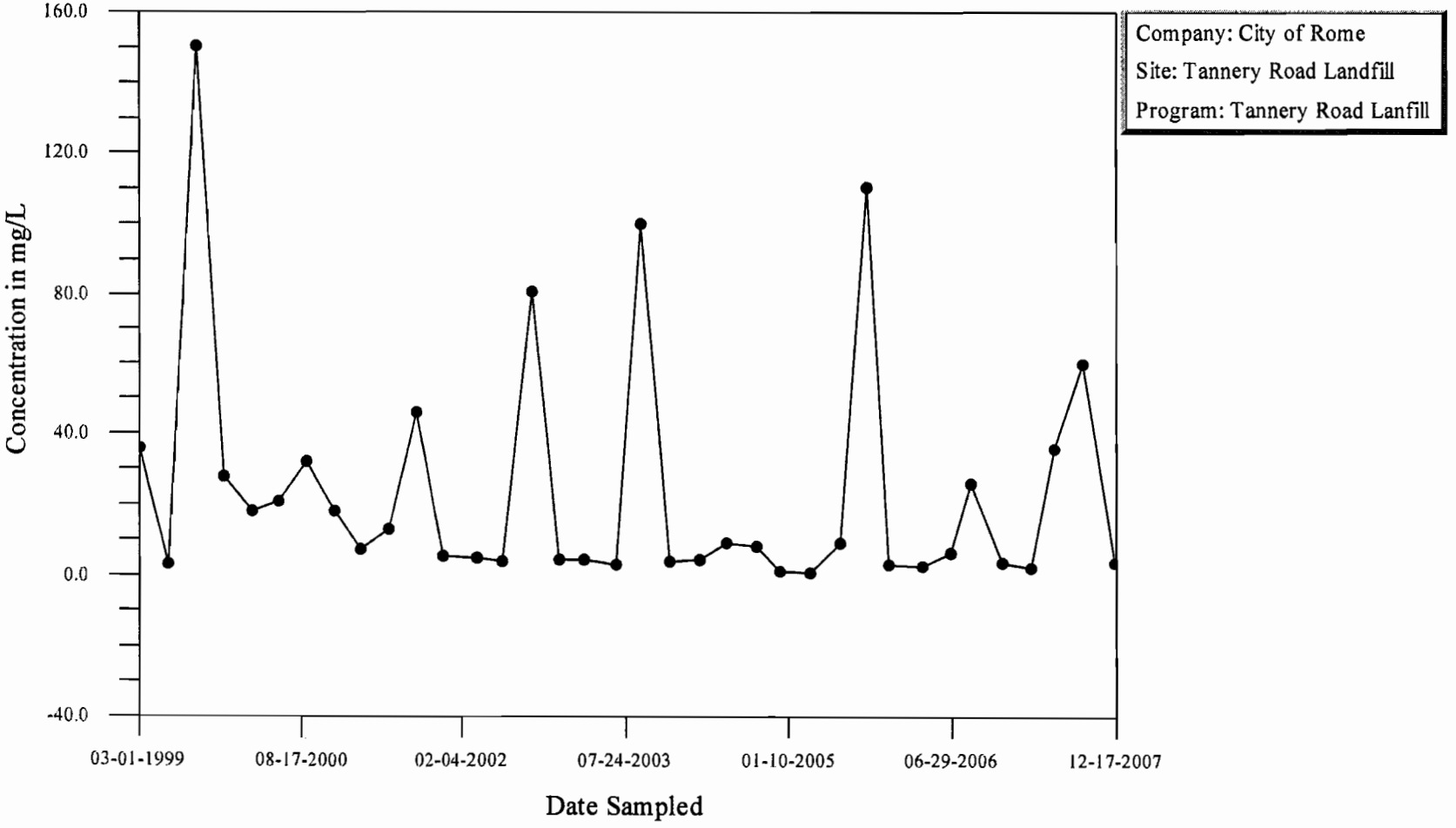
Time-Series Plot

Potassium, MW-4S



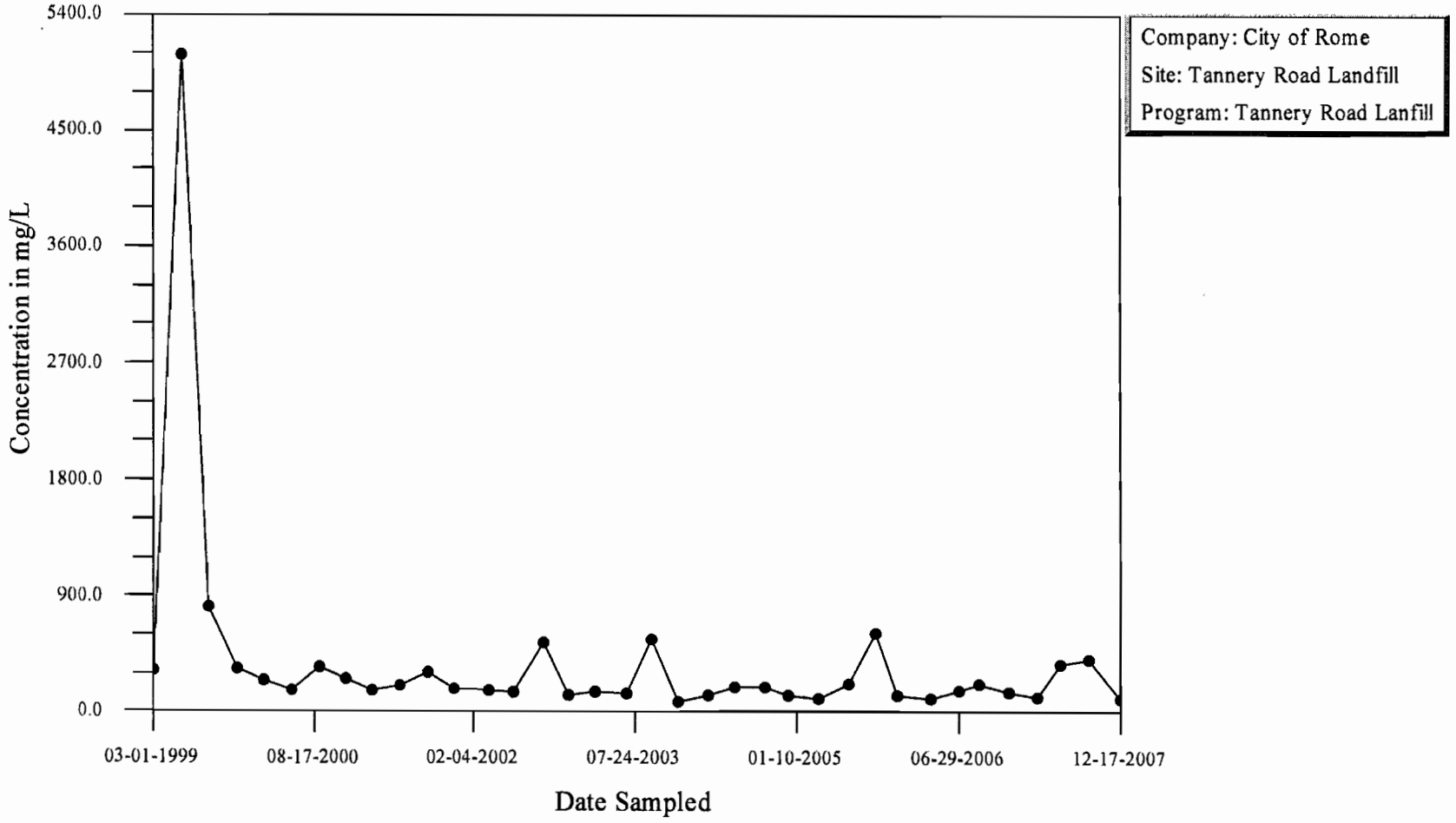
Time-Series Plot

Sodium, MW-4S



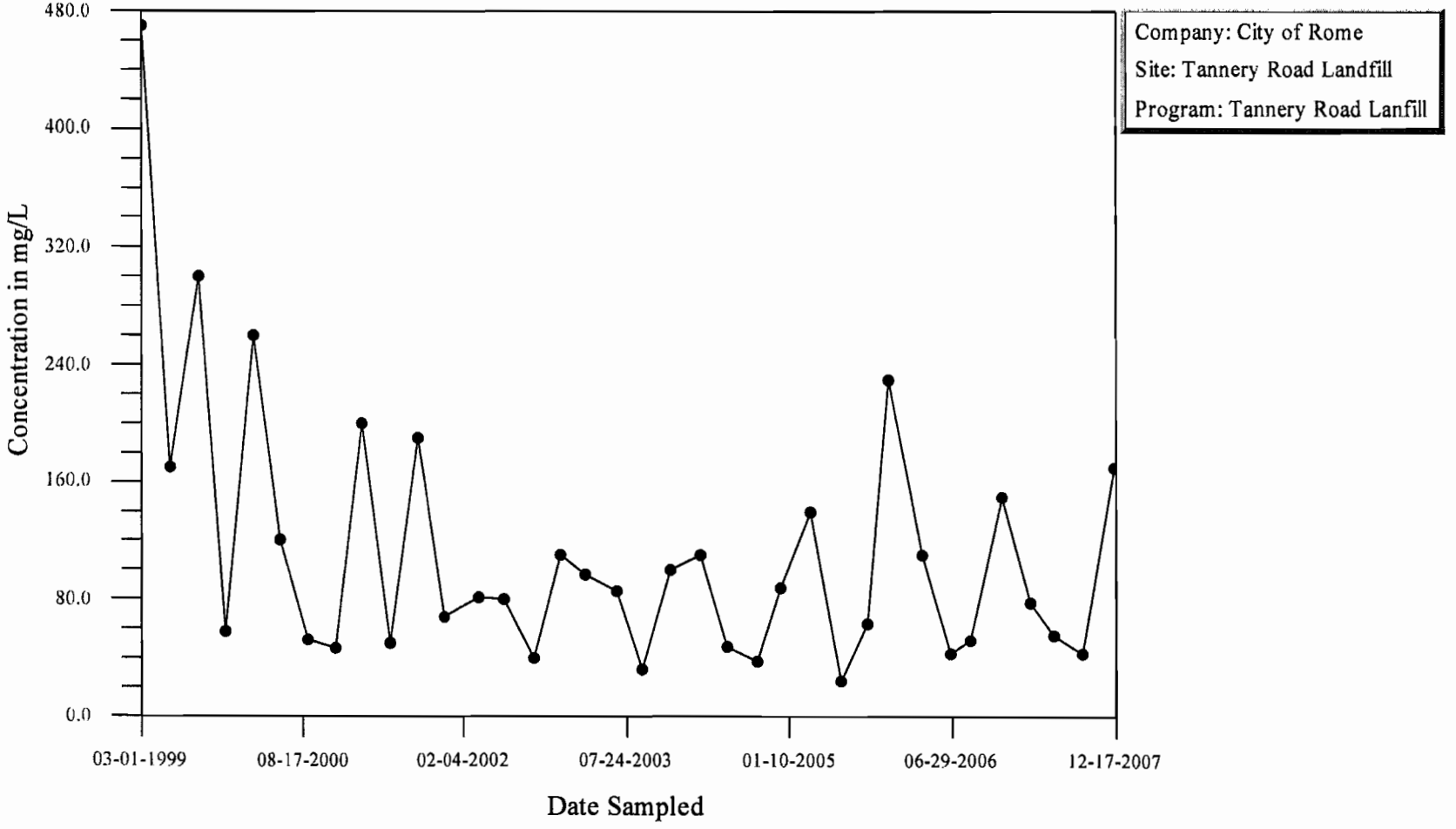
Time-Series Plot

Total Dissolved Solids, MW-4S



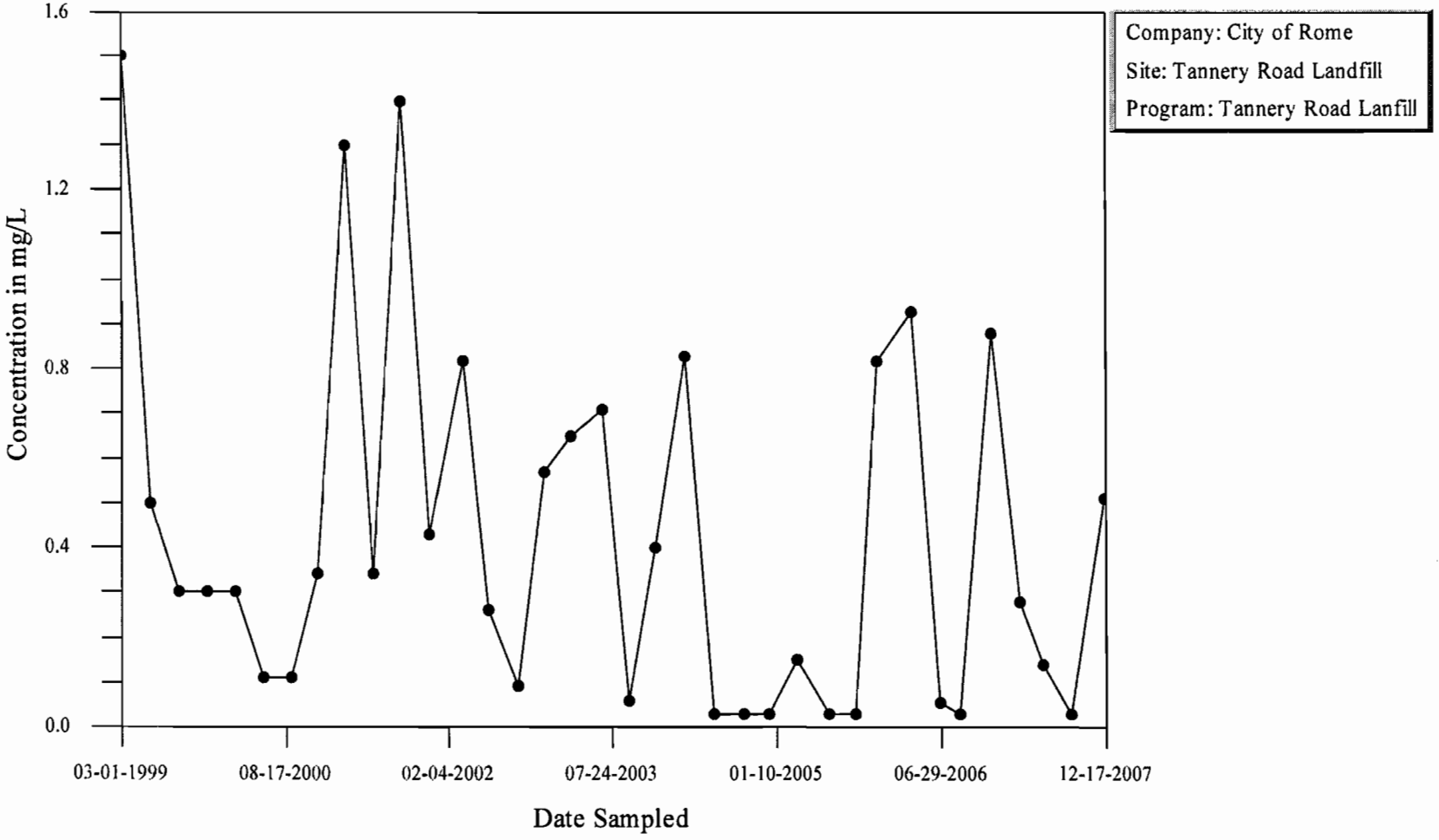
Time-Series Plot

Total Alkalinity, MW-5S



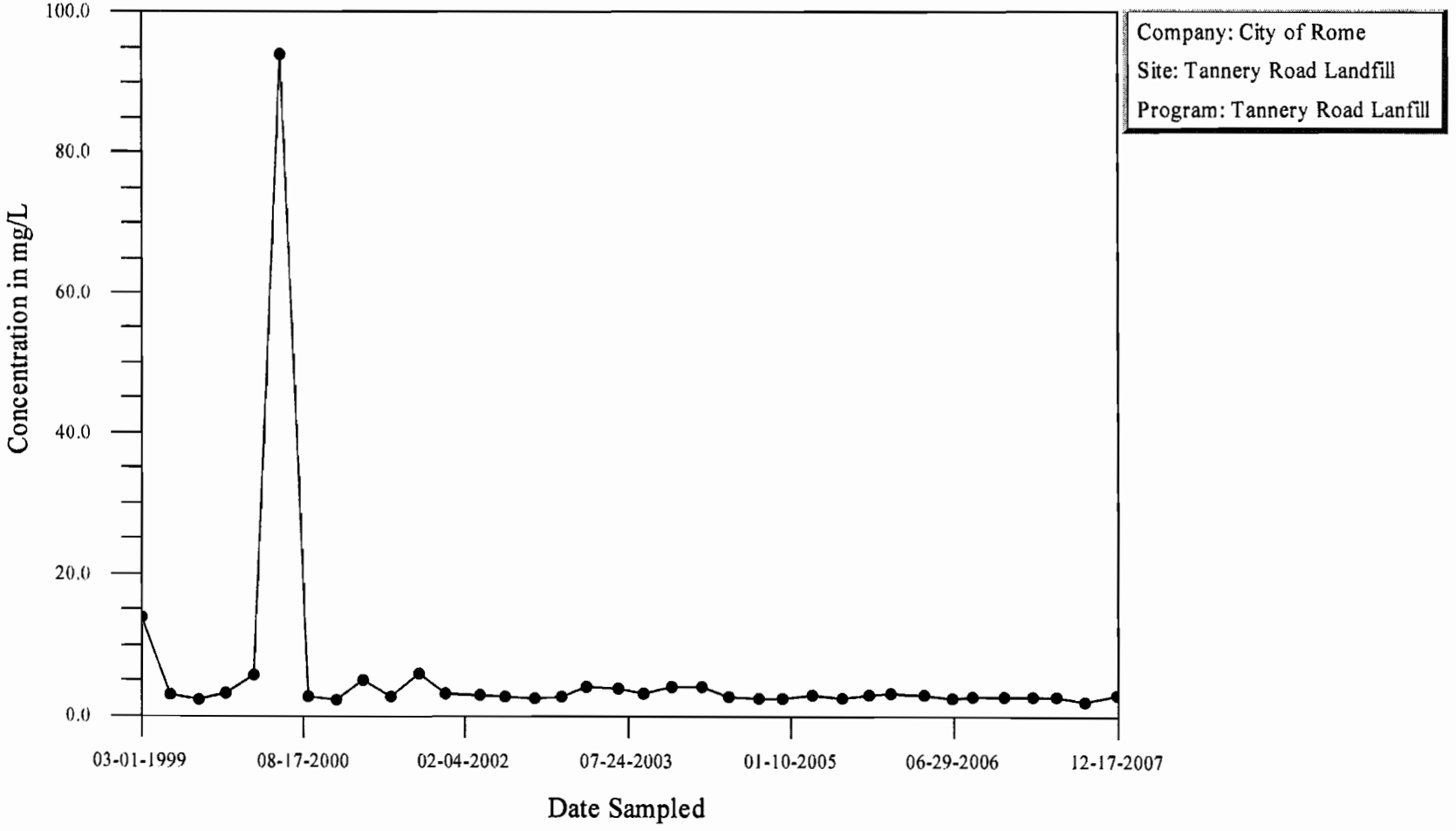
Time-Series Plot

Ammonia-Nitrogen, MW-5S



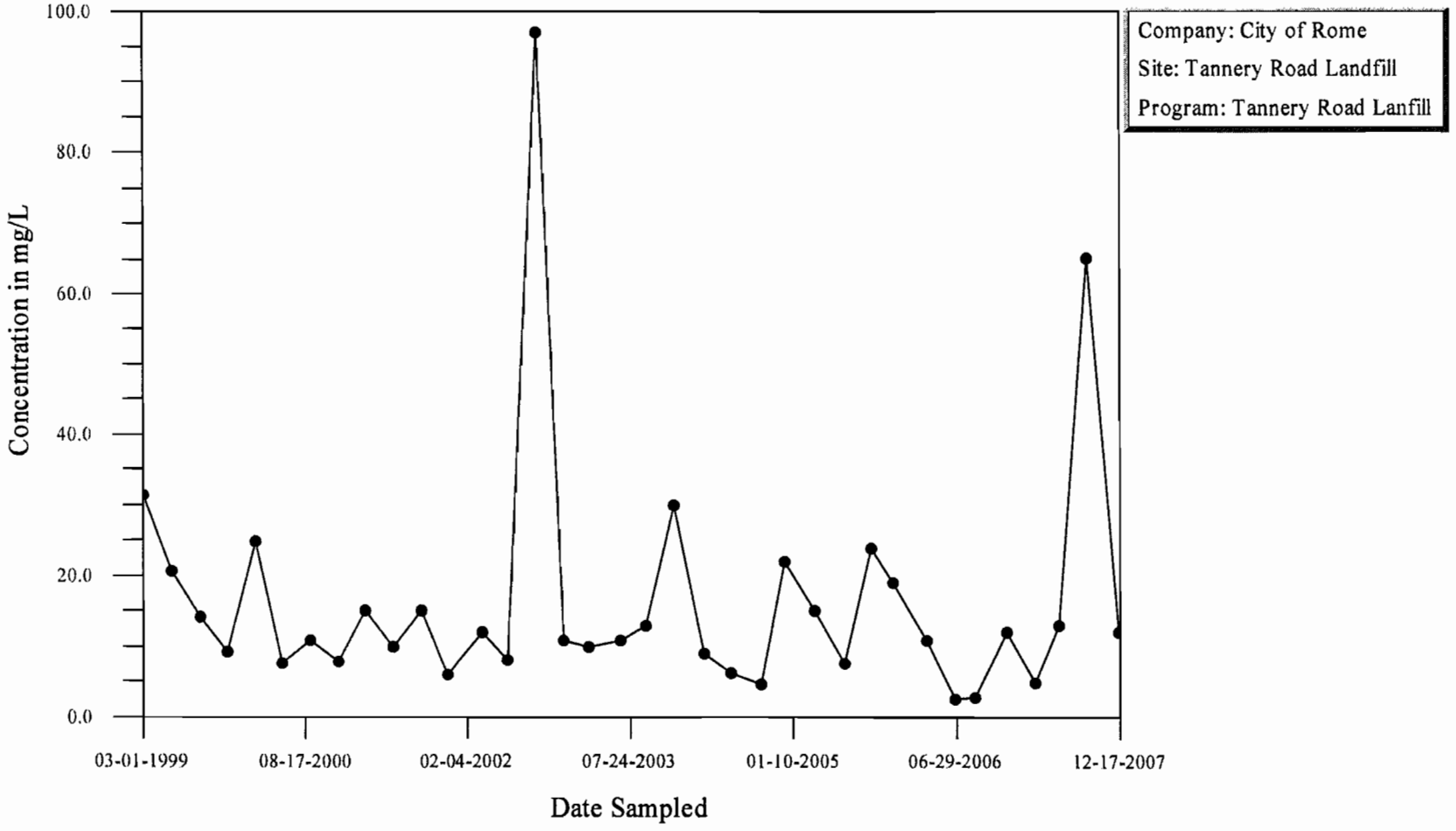
Time-Series Plot

Chloride, MW-5S



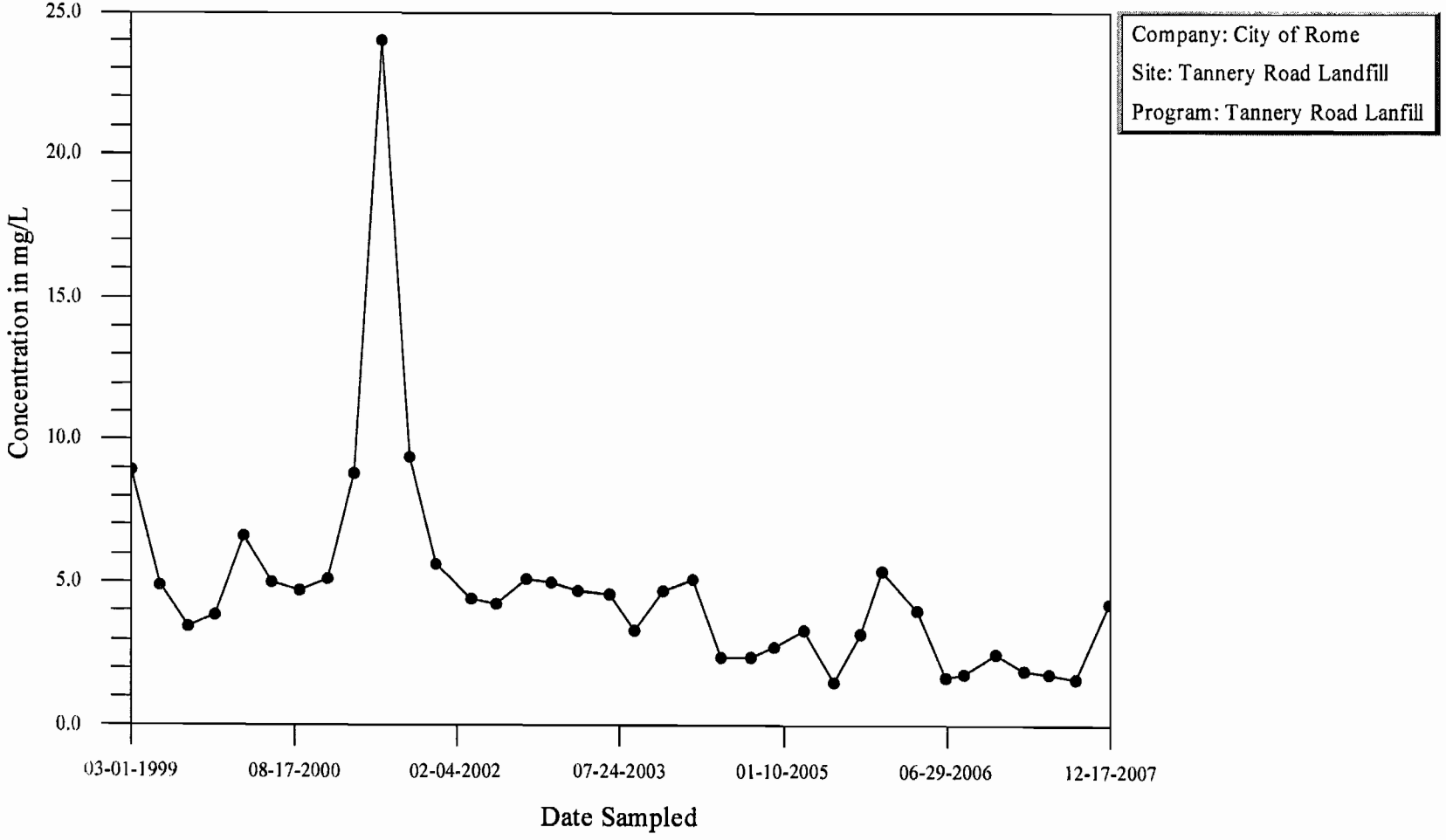
Time-Series Plot

Iron, MW-5S



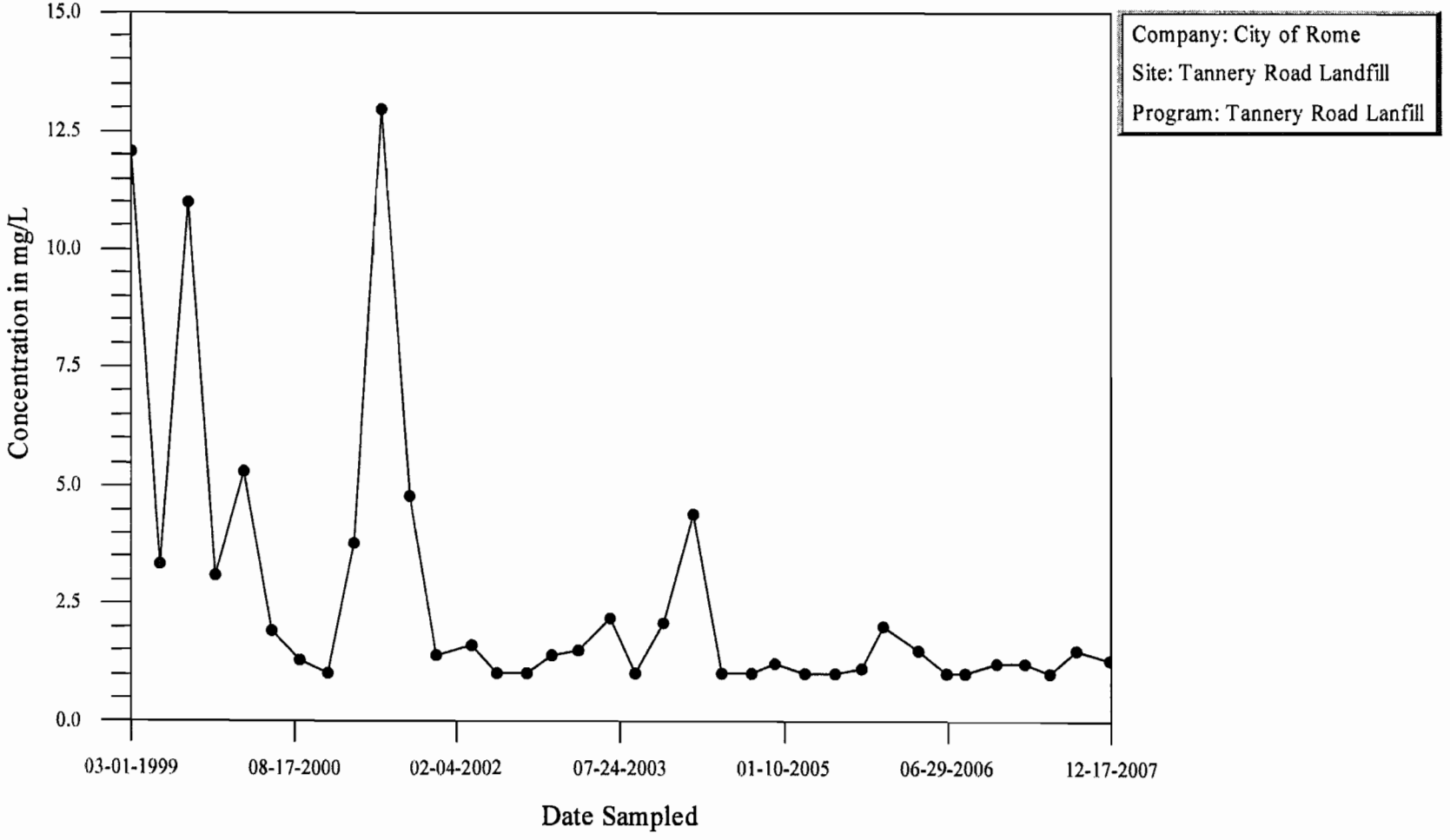
Time-Series Plot

Potassium, MW-5S



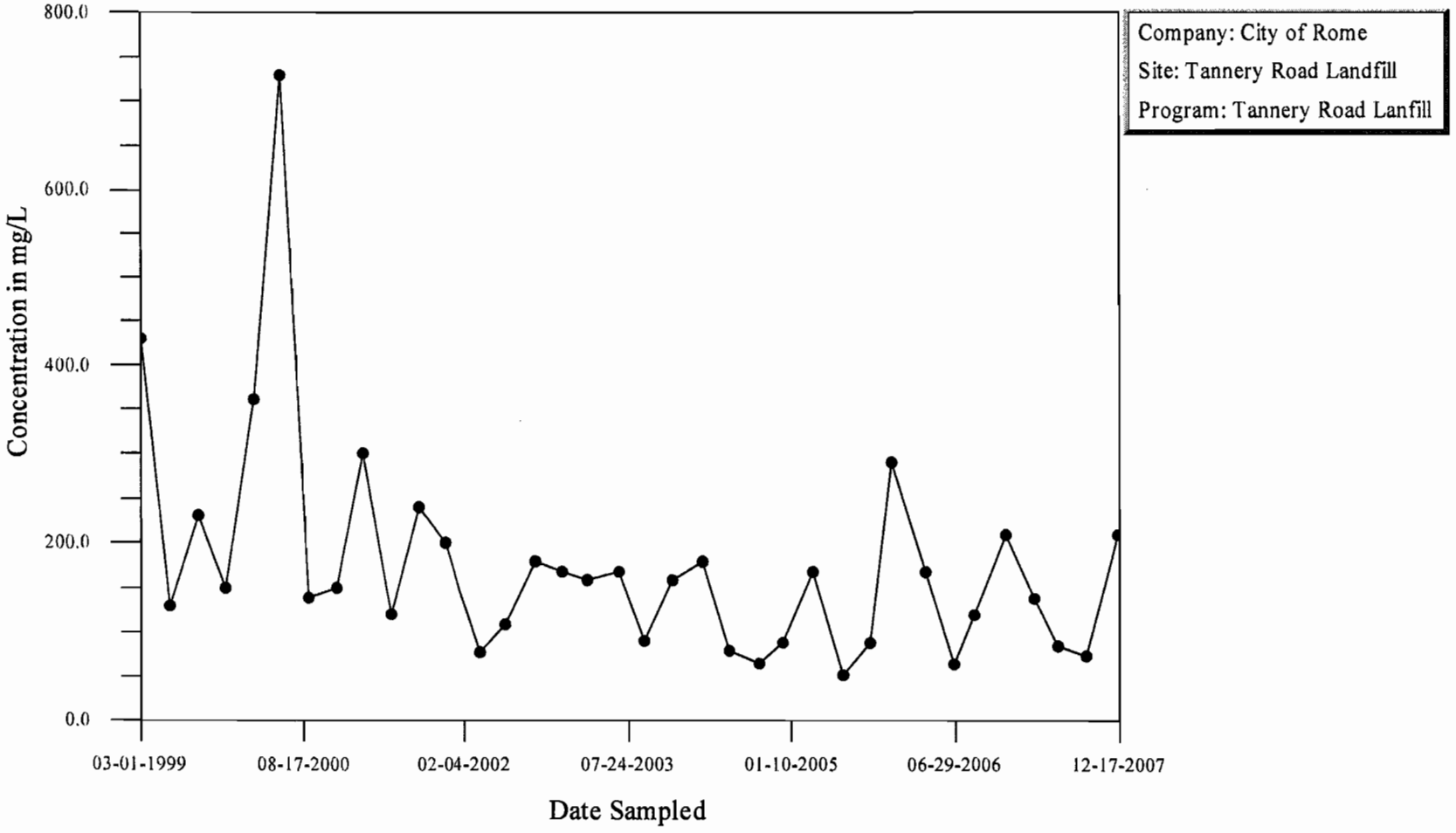
Time-Series Plot

Sodium, MW-5S



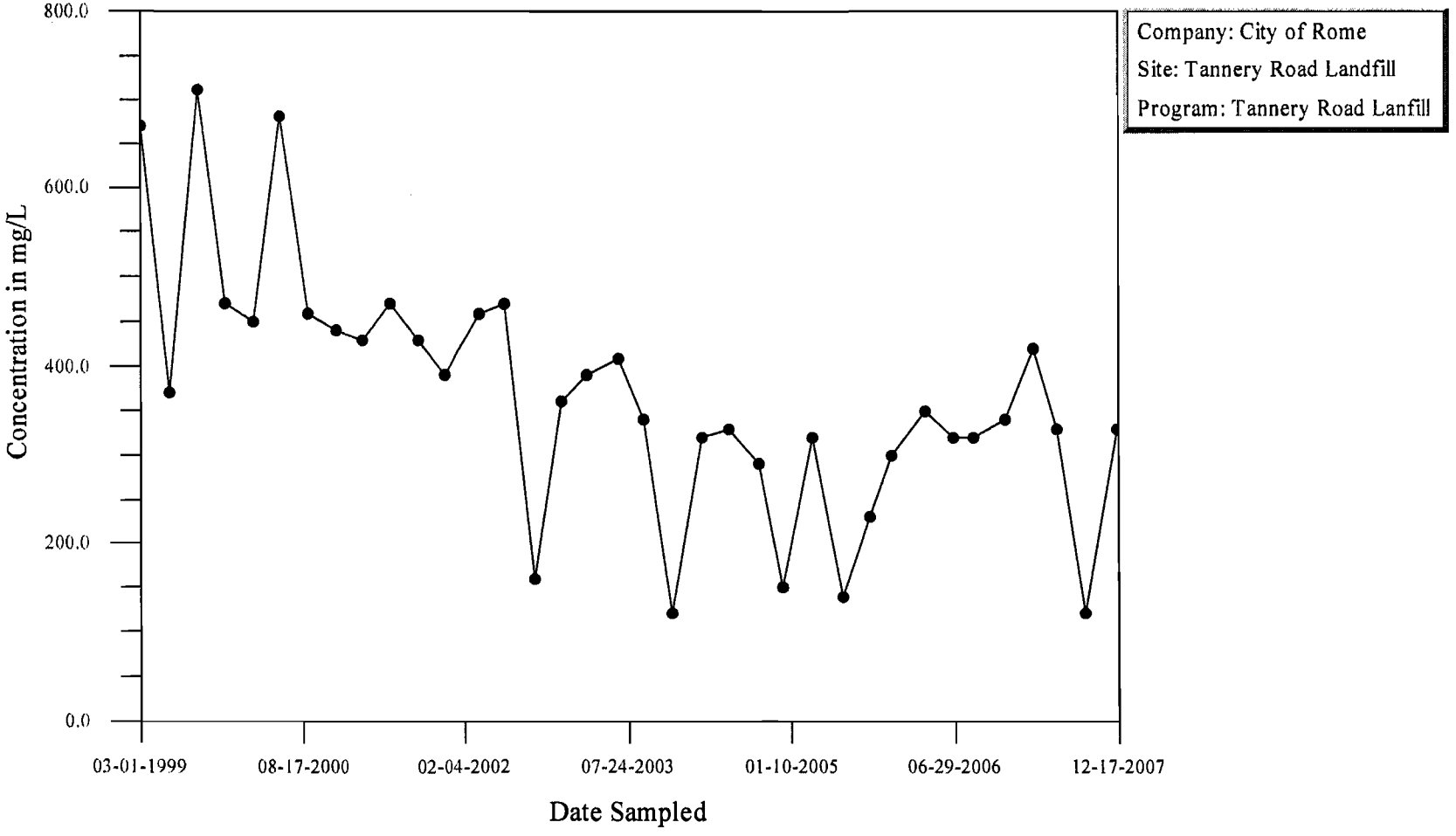
Time-Series Plot

Total Dissolved Solids, MW-5S



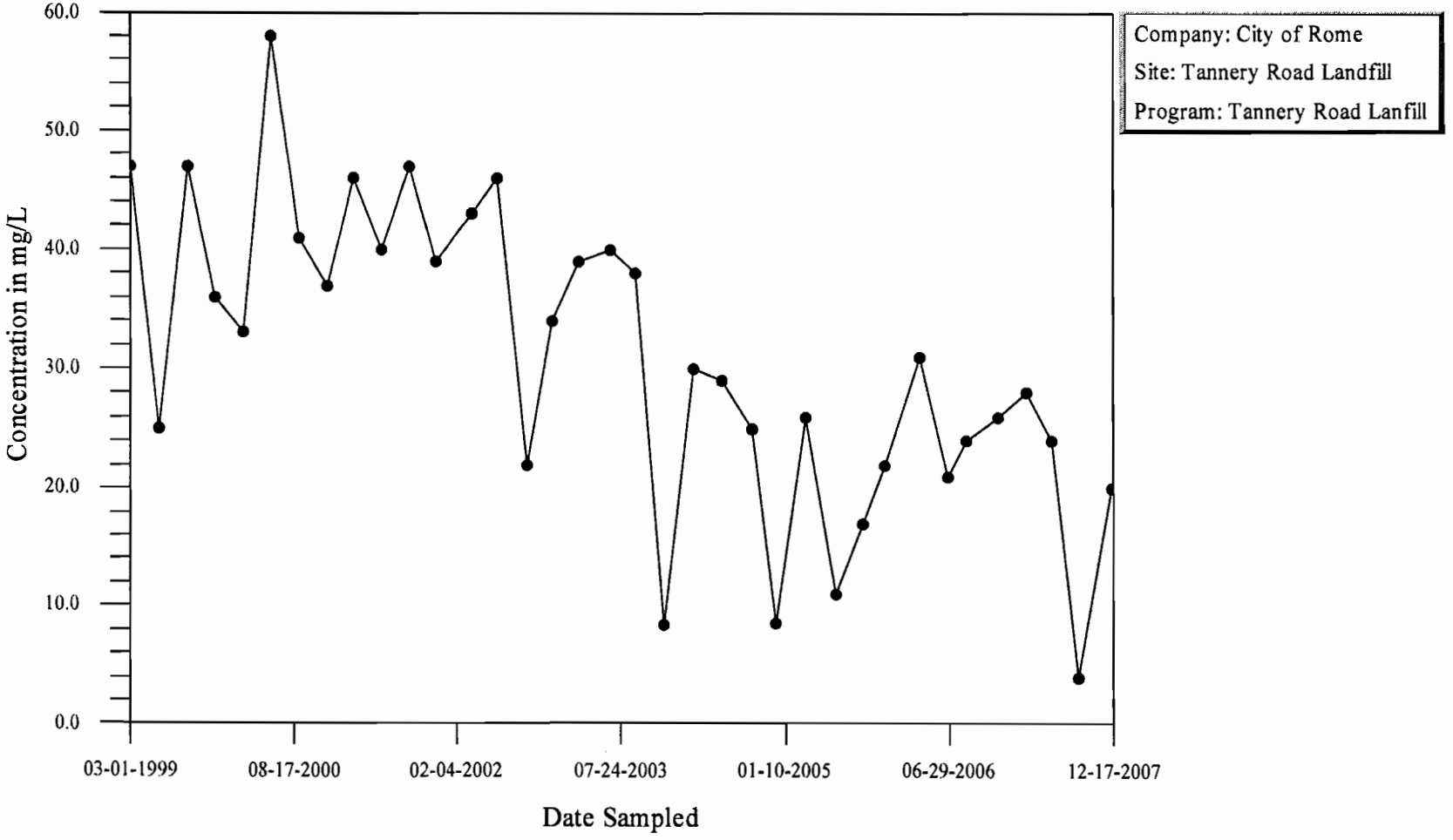
Time-Series Plot

Total Alkalinity, MW-7D



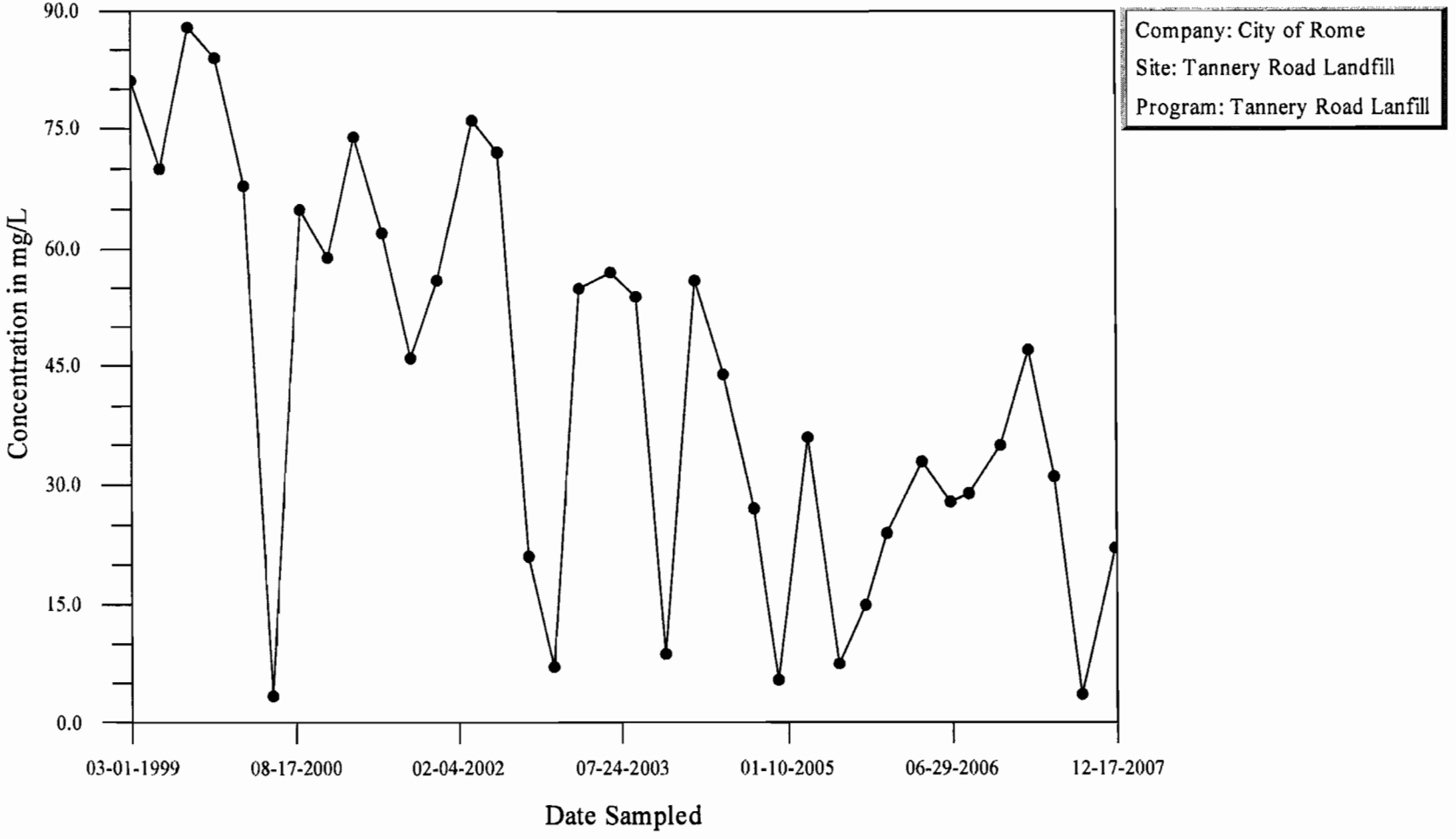
Time-Series Plot

Ammonia-Nitrogen, MW-7D



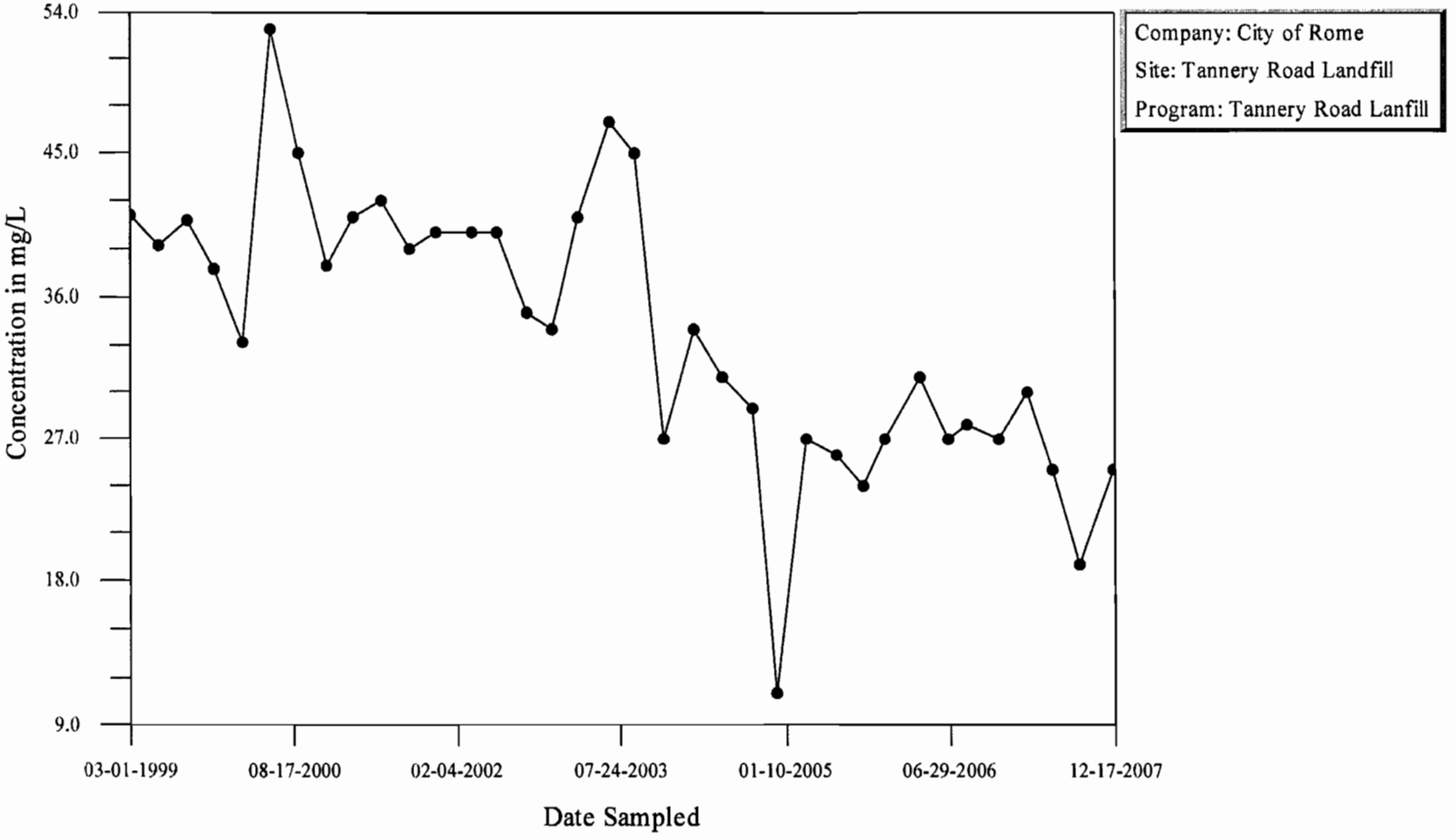
Time-Series Plot

Chloride, MW-7D



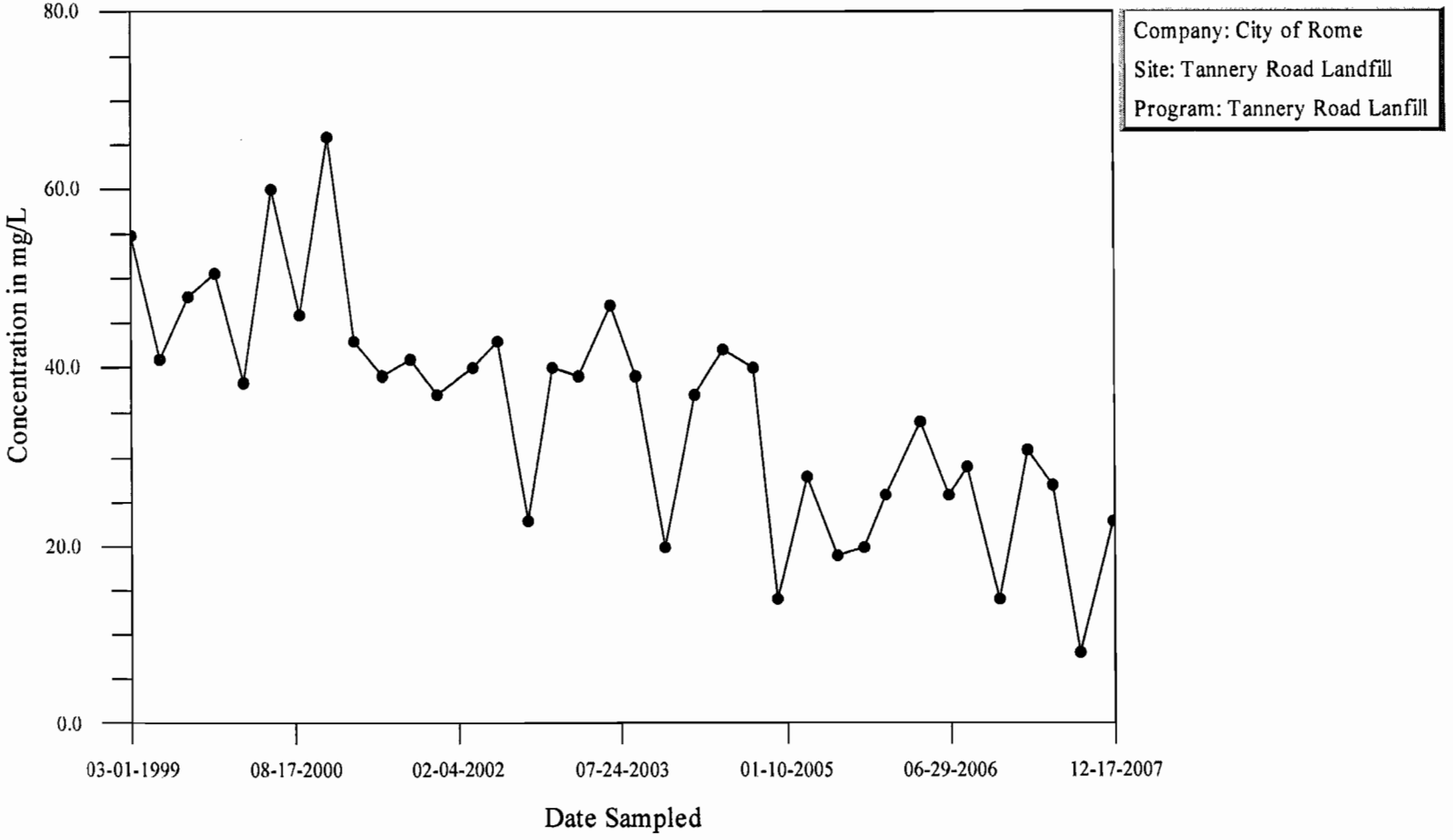
Time-Series Plot

Iron, MW-7D



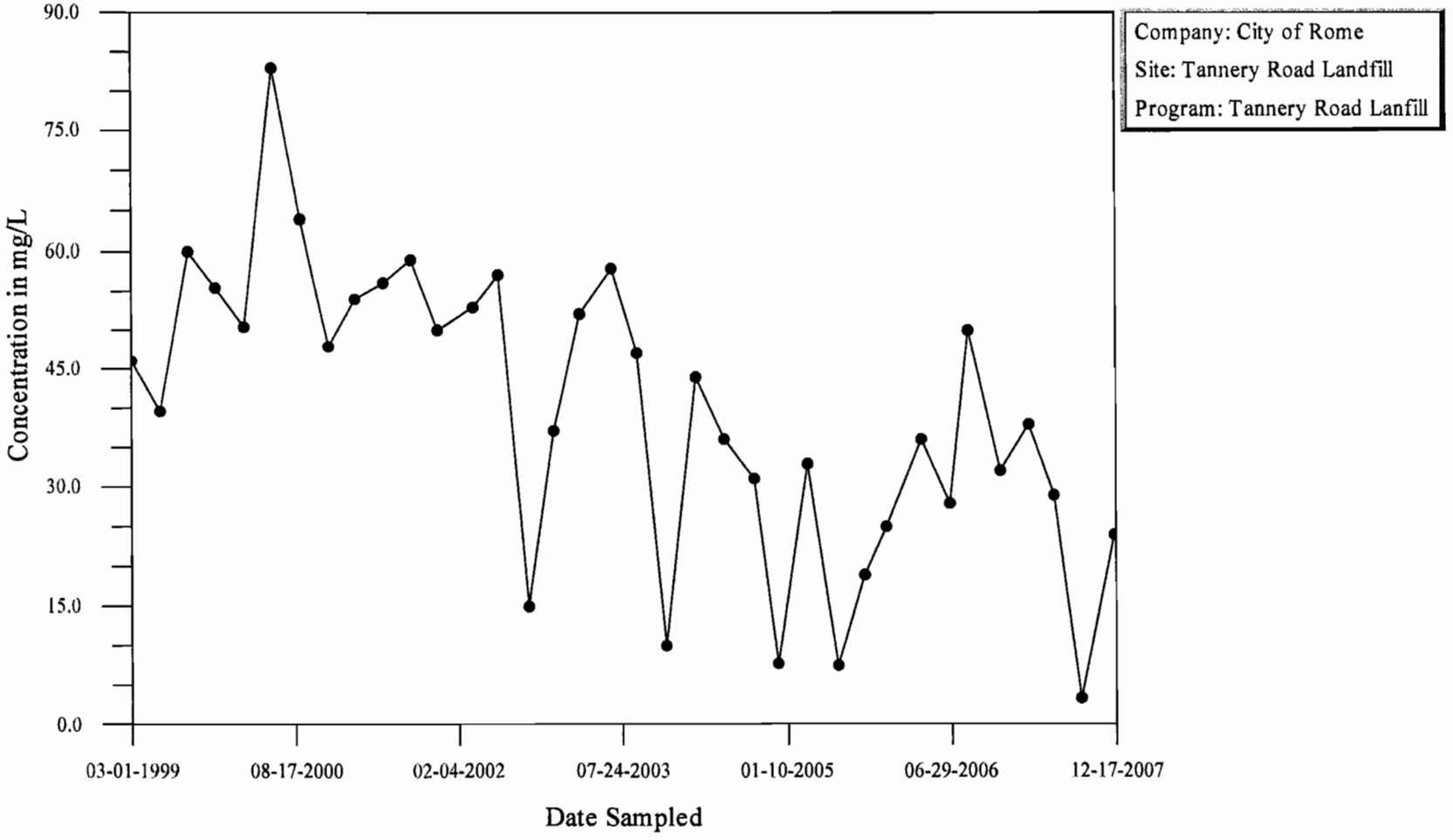
Time-Series Plot

Potassium, MW-7D



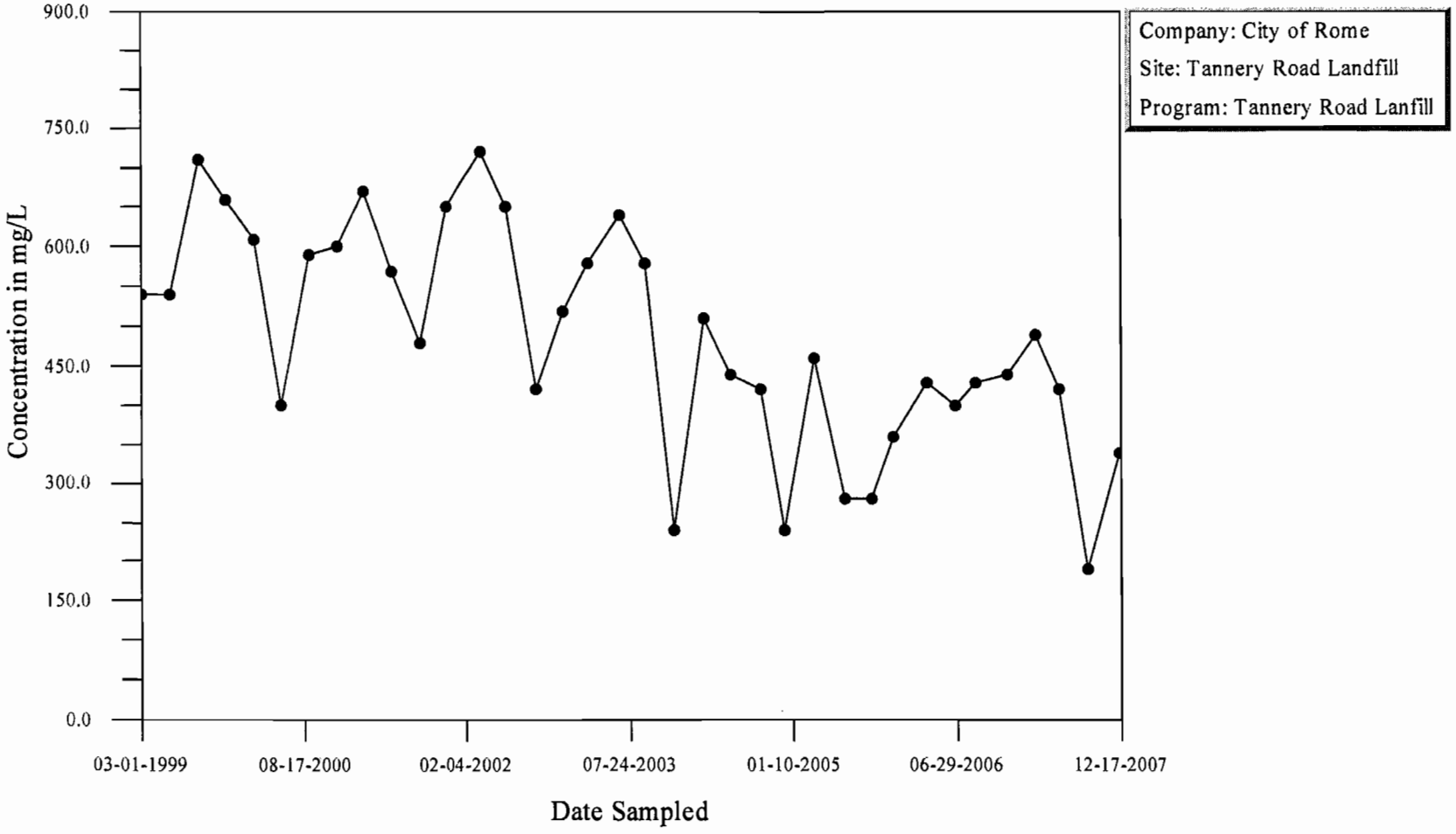
Time-Series Plot

Sodium, MW-7D



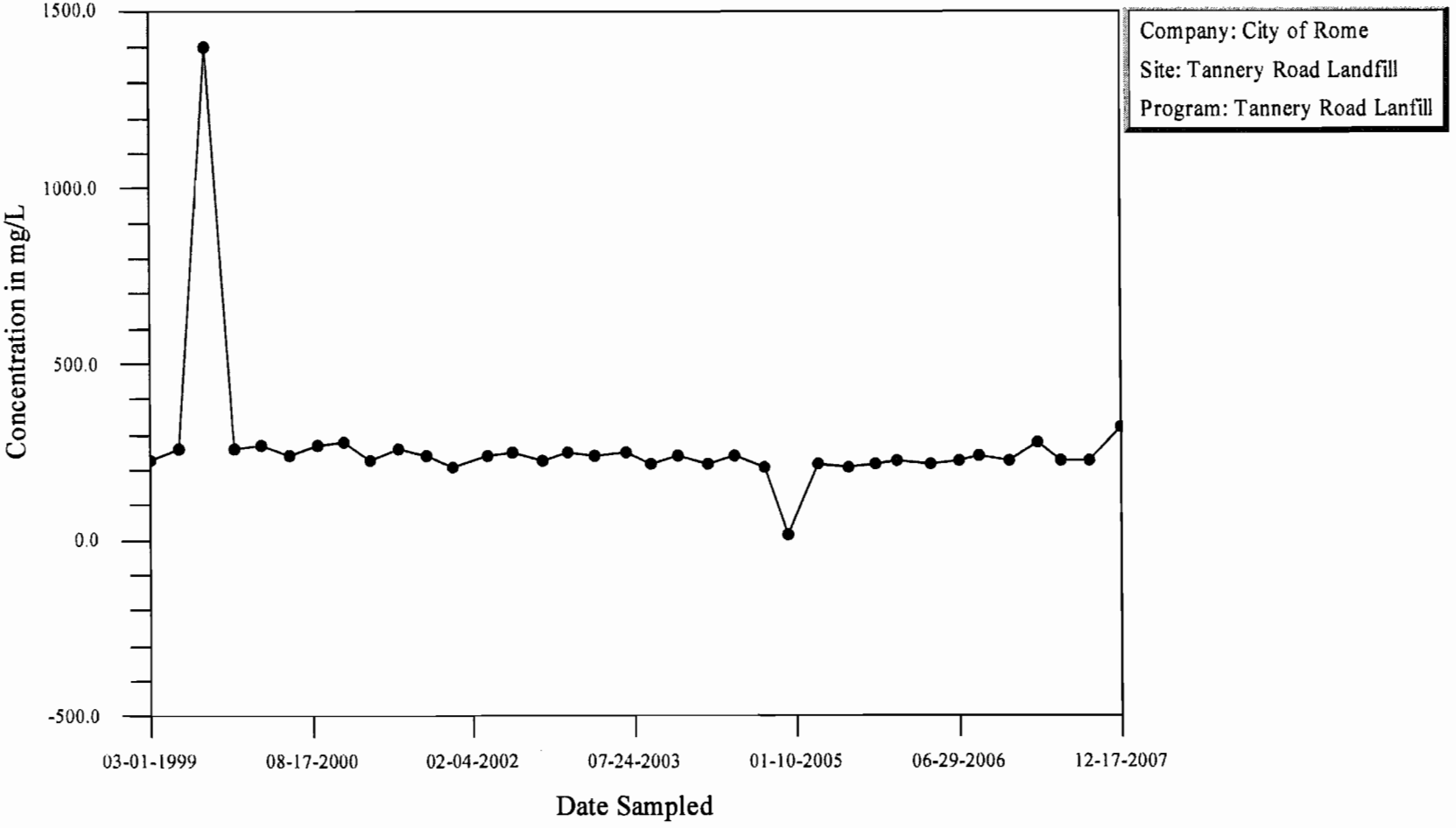
Time-Series Plot

Total Dissolved Solids, MW-7D



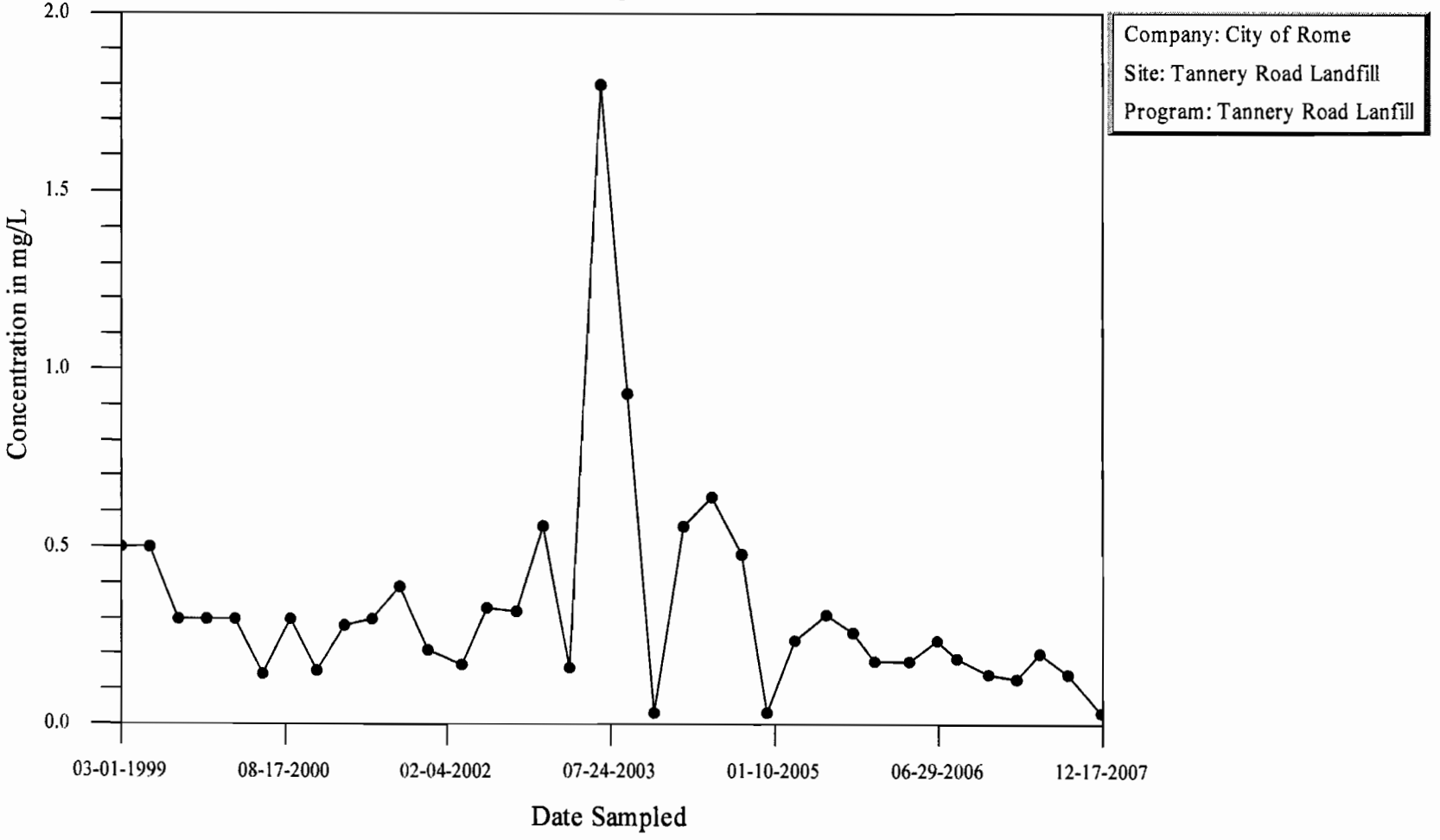
Time-Series Plot

Total Alkalinity, MW-9S



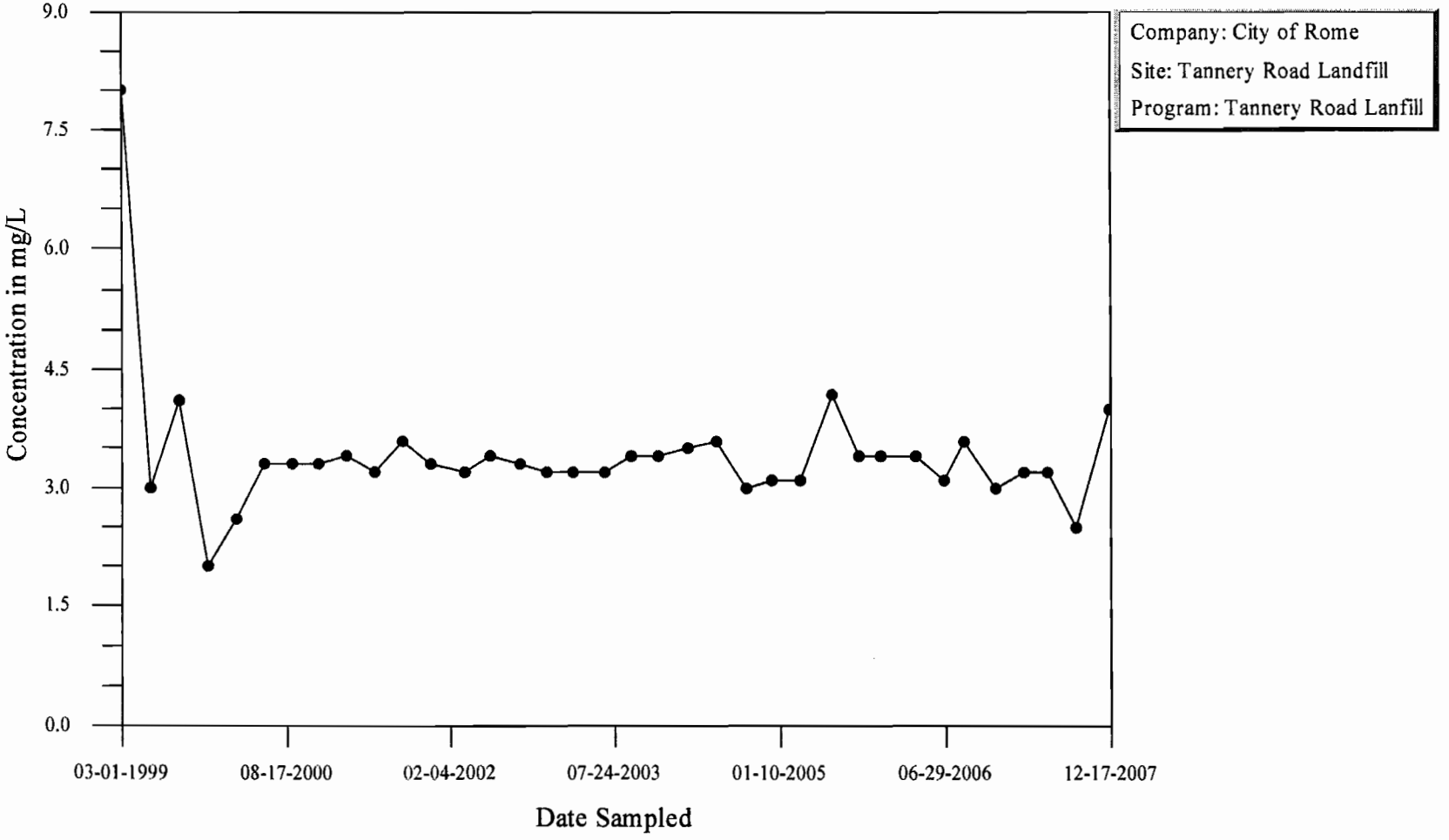
Time-Series Plot

Ammonia-Nitrogen, MW-9S



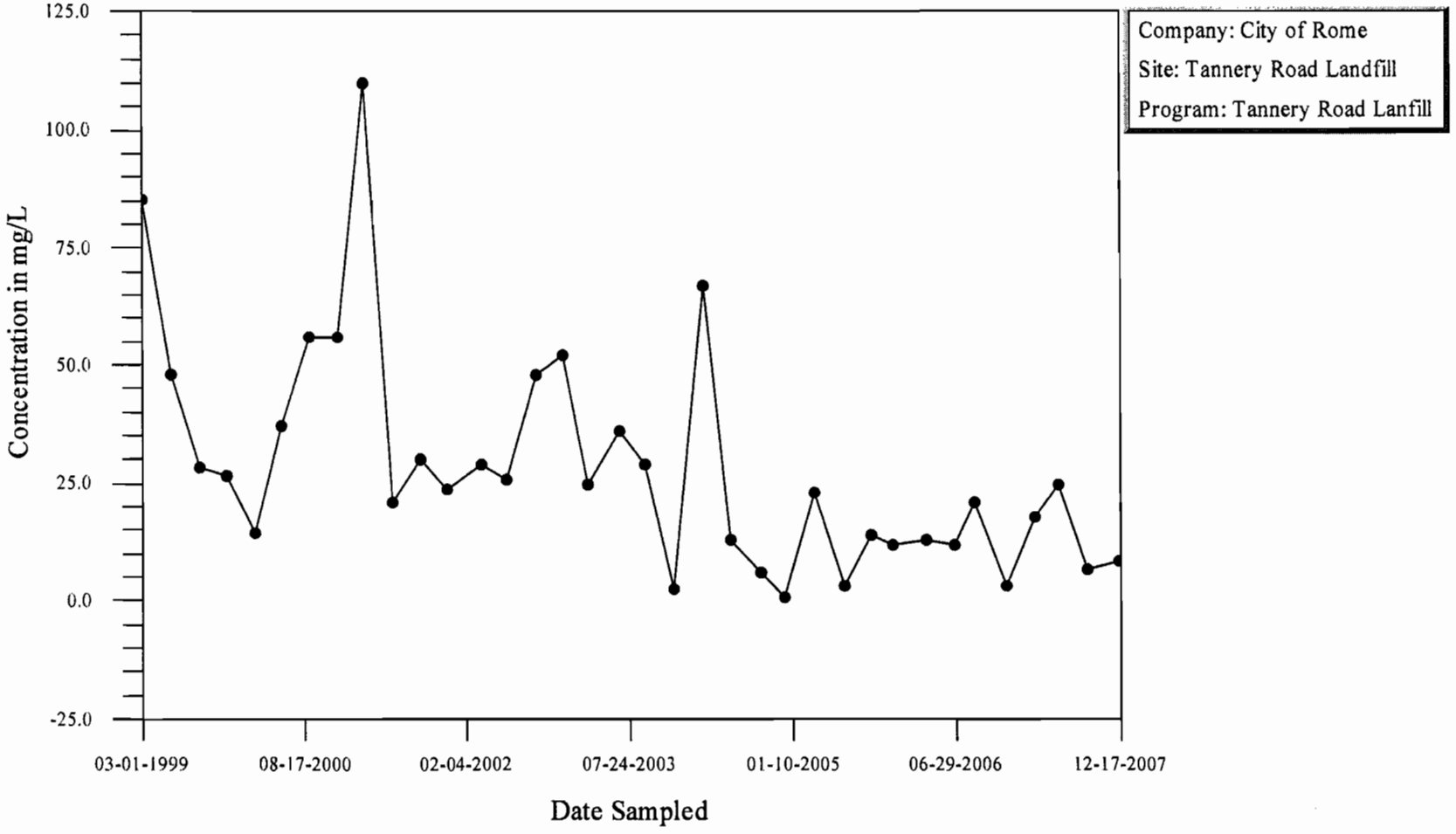
Time-Series Plot

Chloride, MW-9S



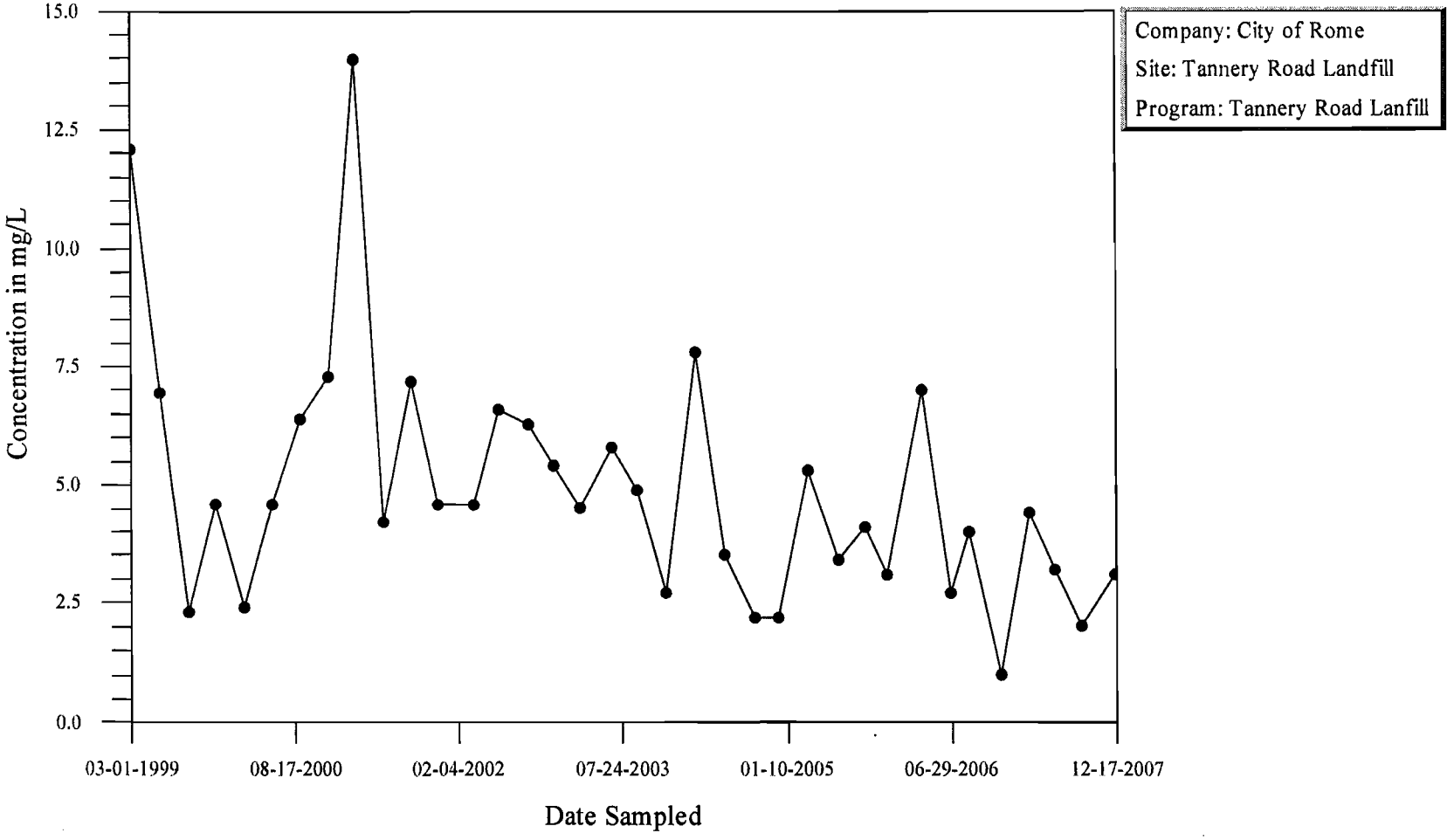
Time-Series Plot

Iron, MW-9S



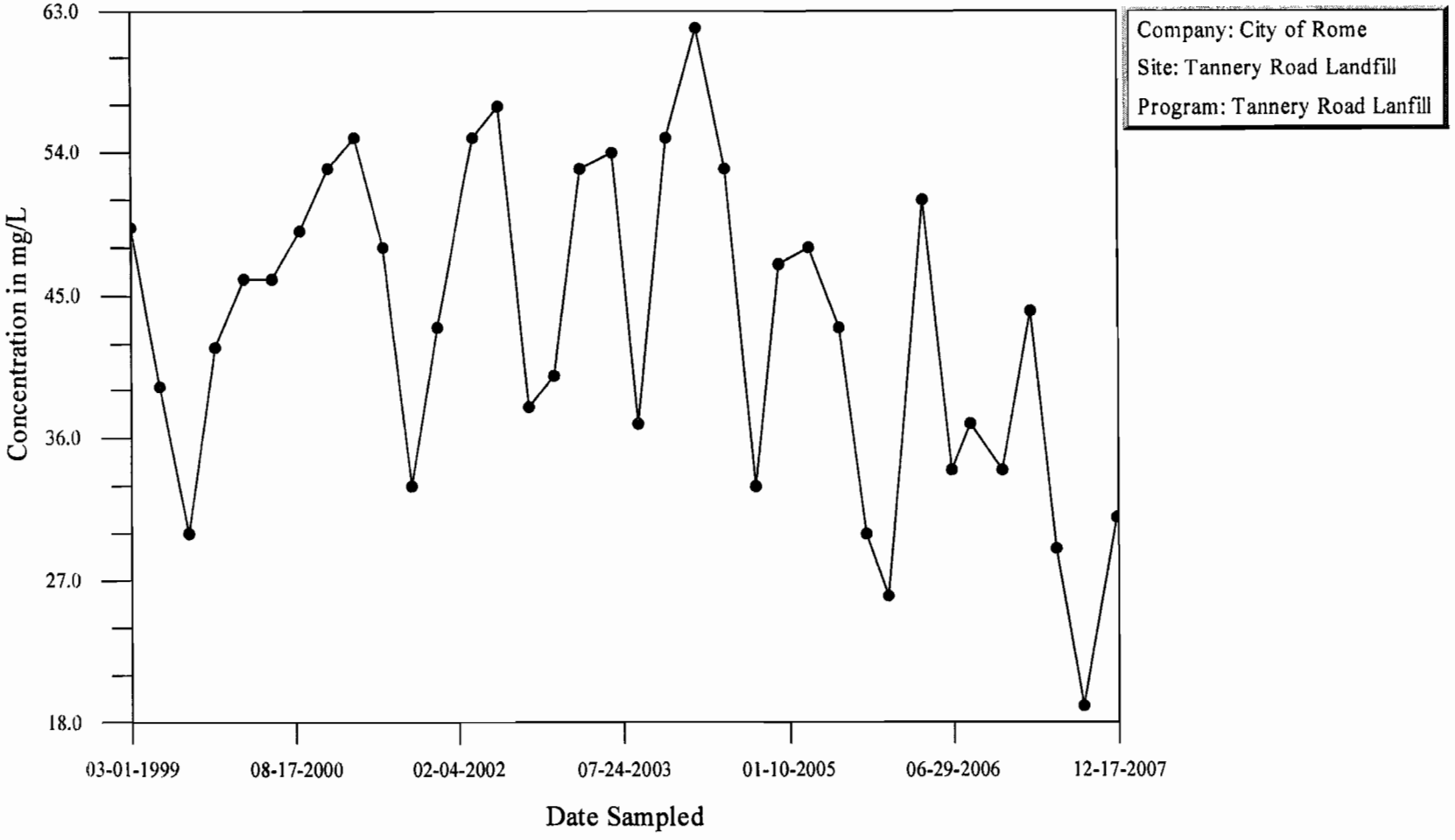
Time-Series Plot

Potassium, MW-9S



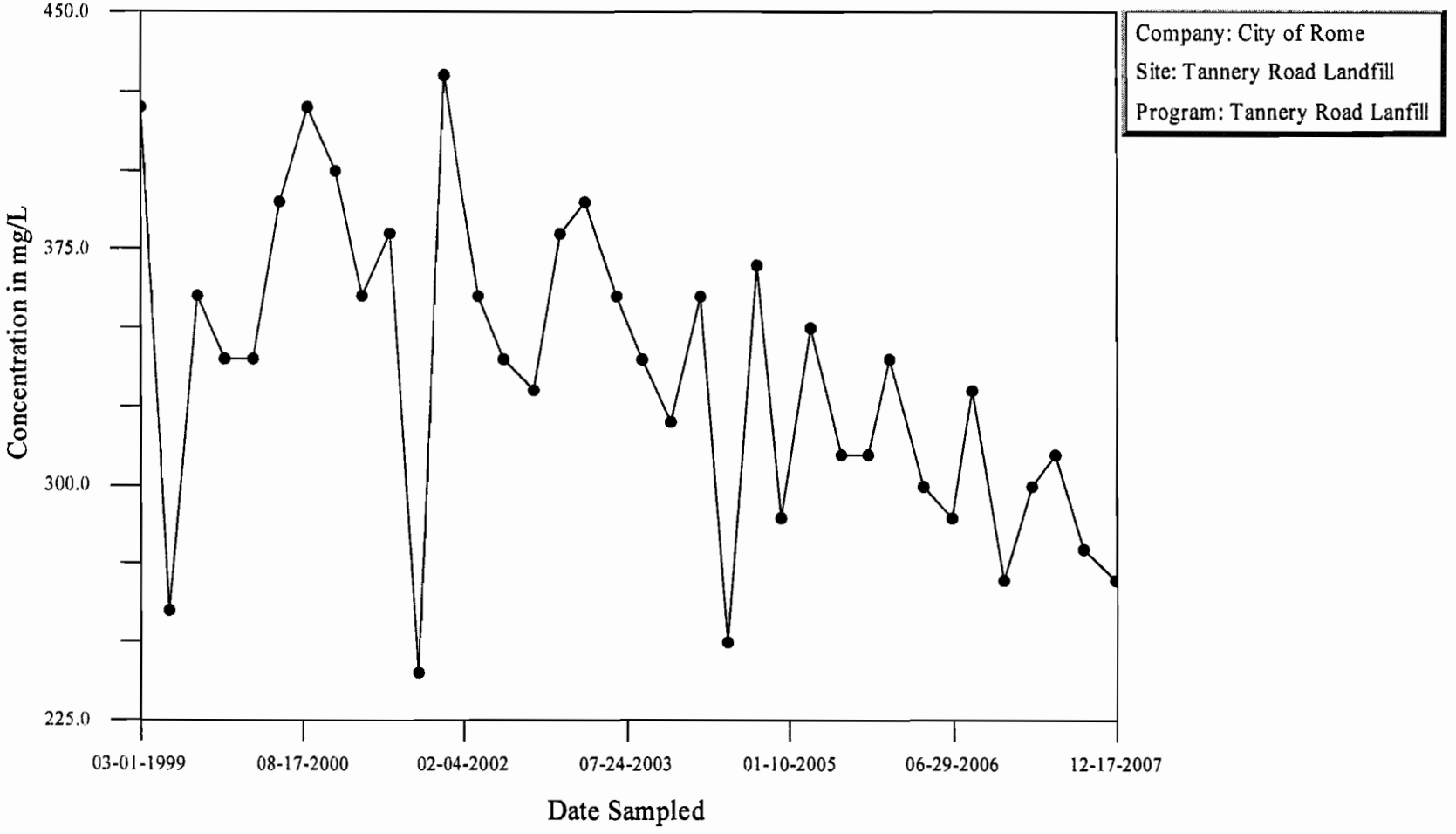
Time-Series Plot

Sodium, MW-9S



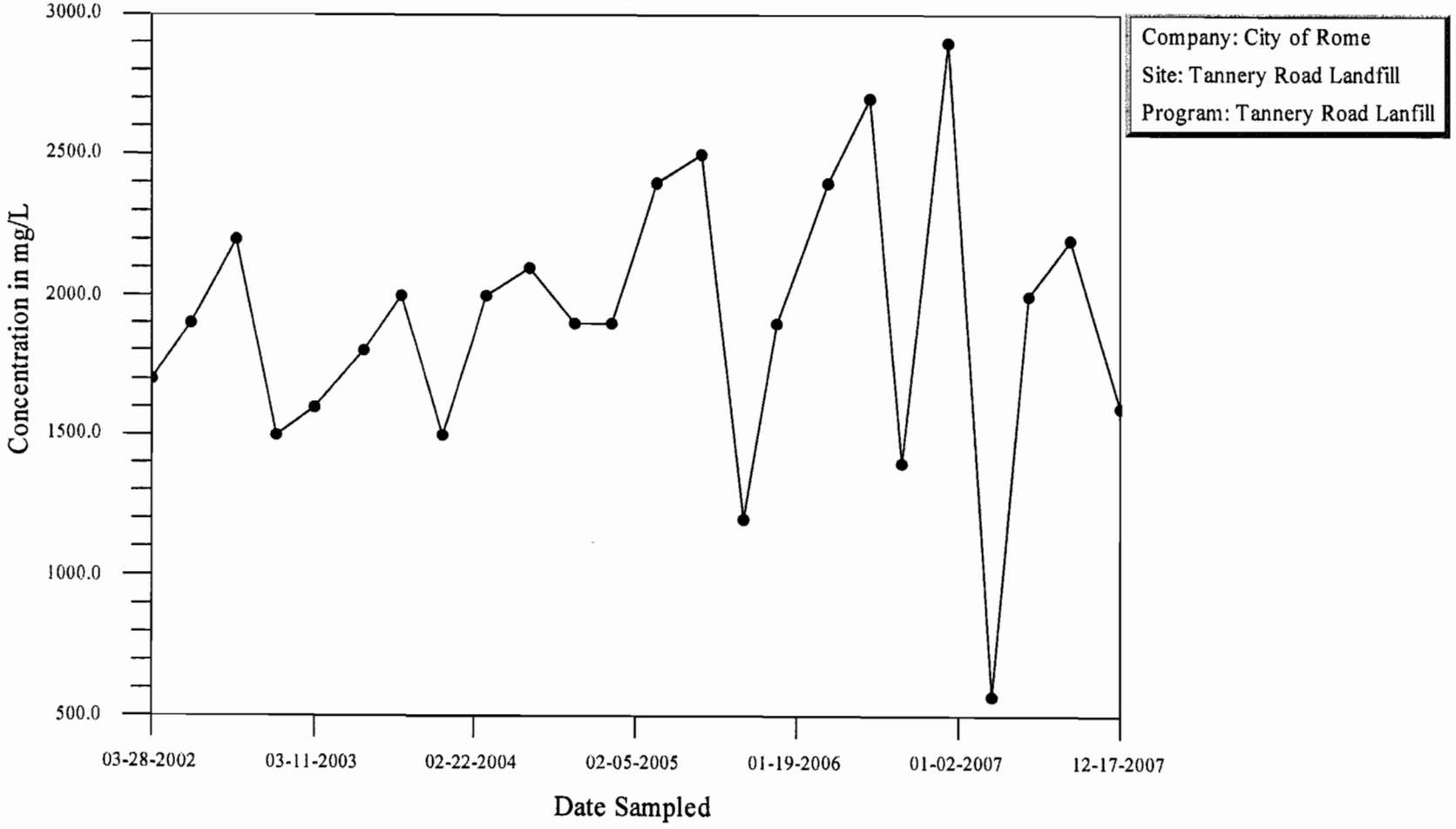
Time-Series Plot

Total Dissolved Solids, MW-9S



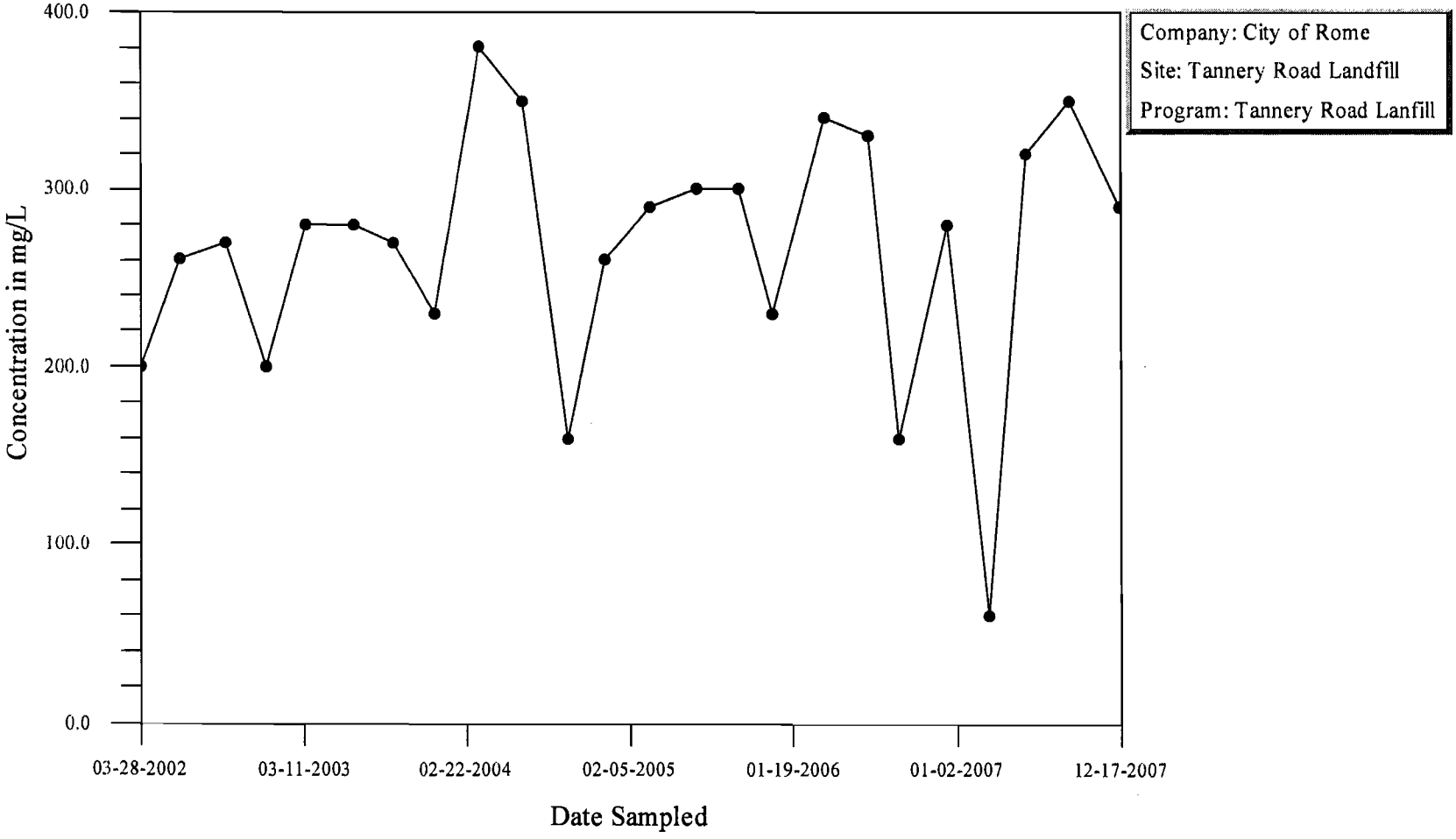
Time-Series Plot

Total Alkalinity, LMW-10



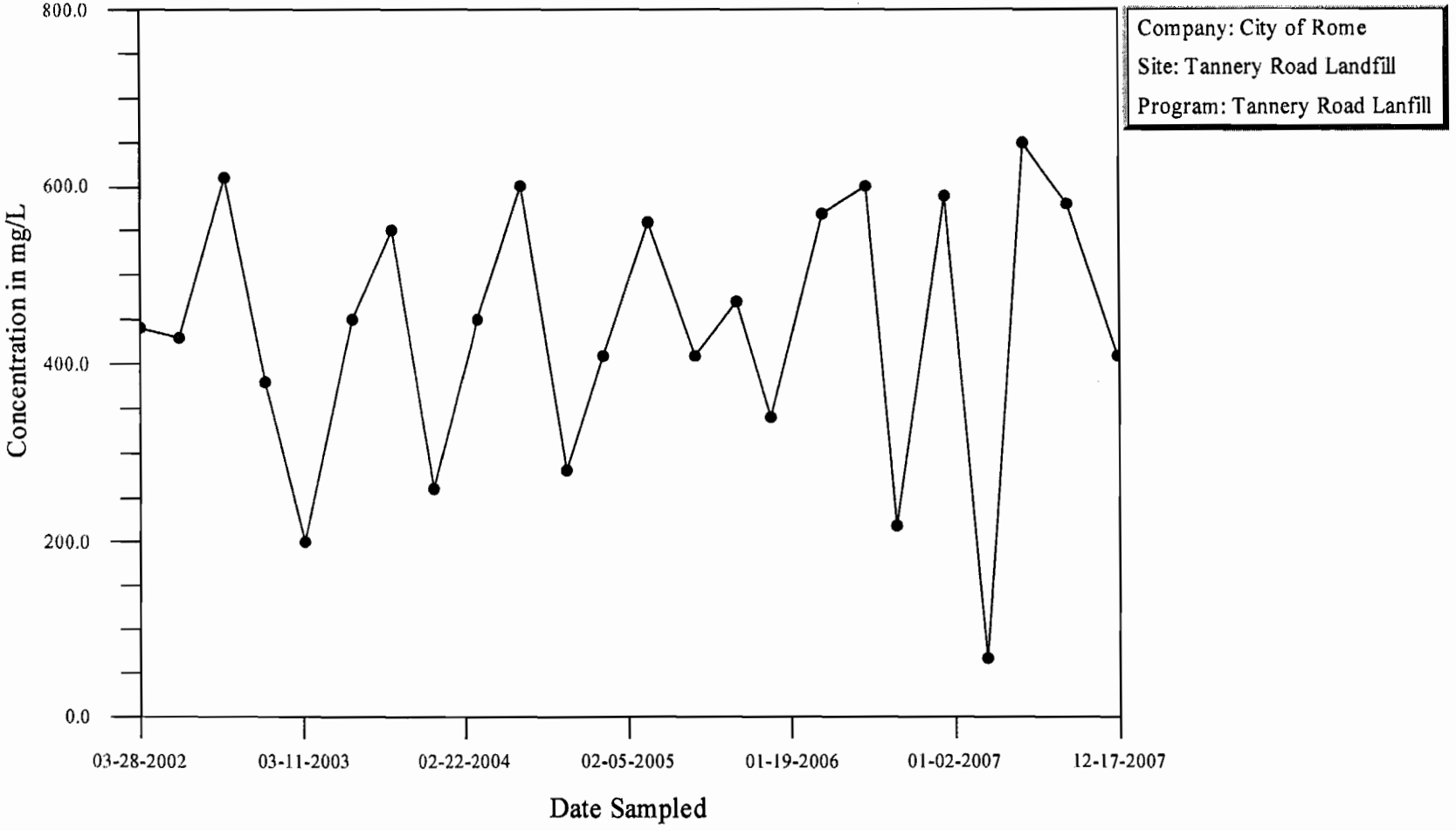
Time-Series Plot

Ammonia-Nitrogen, LMW-10



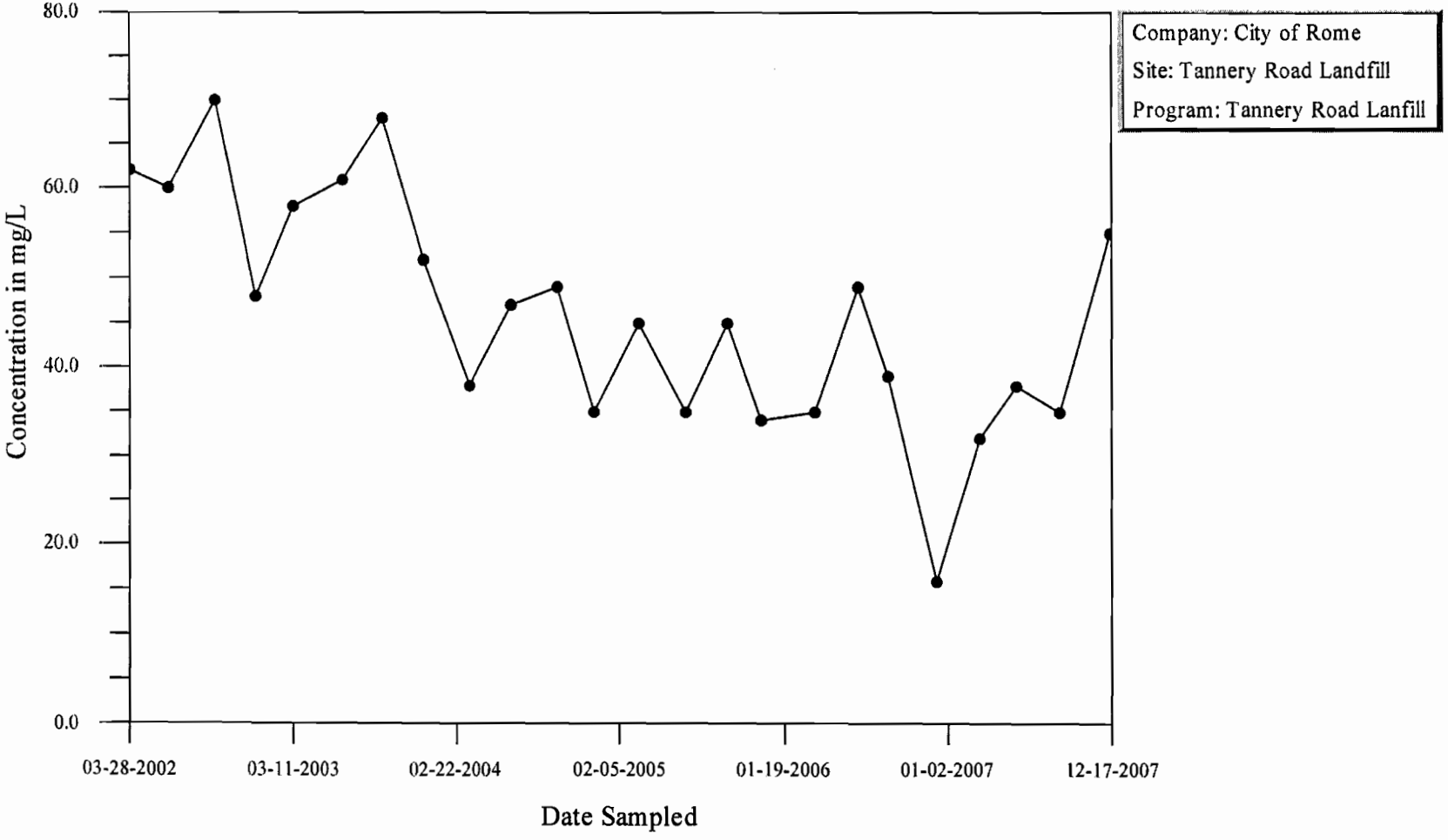
Time-Series Plot

Chloride, LMW-10



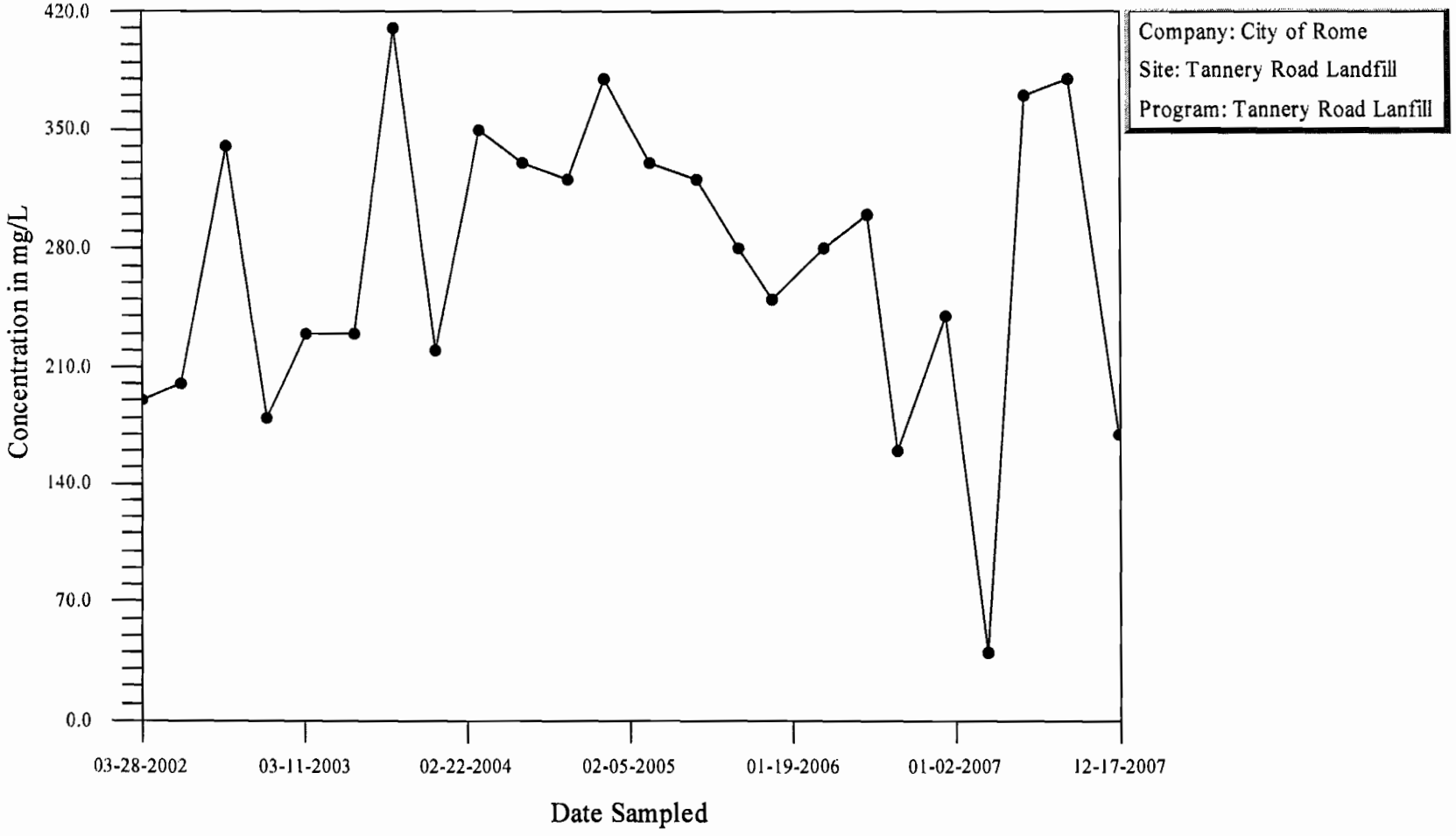
Time-Series Plot

Iron, LMW-10



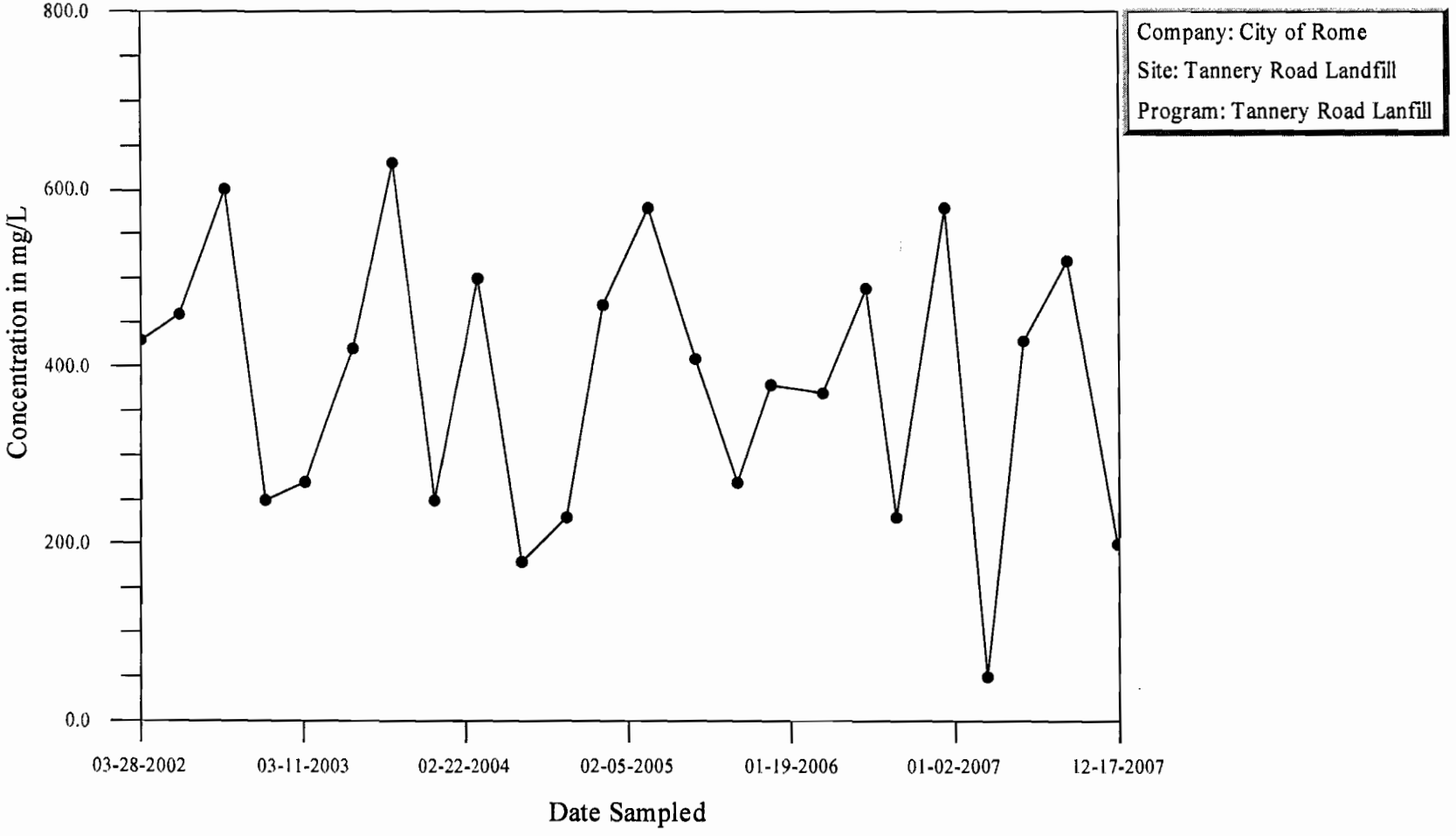
Time-Series Plot

Potassium, LMW-10



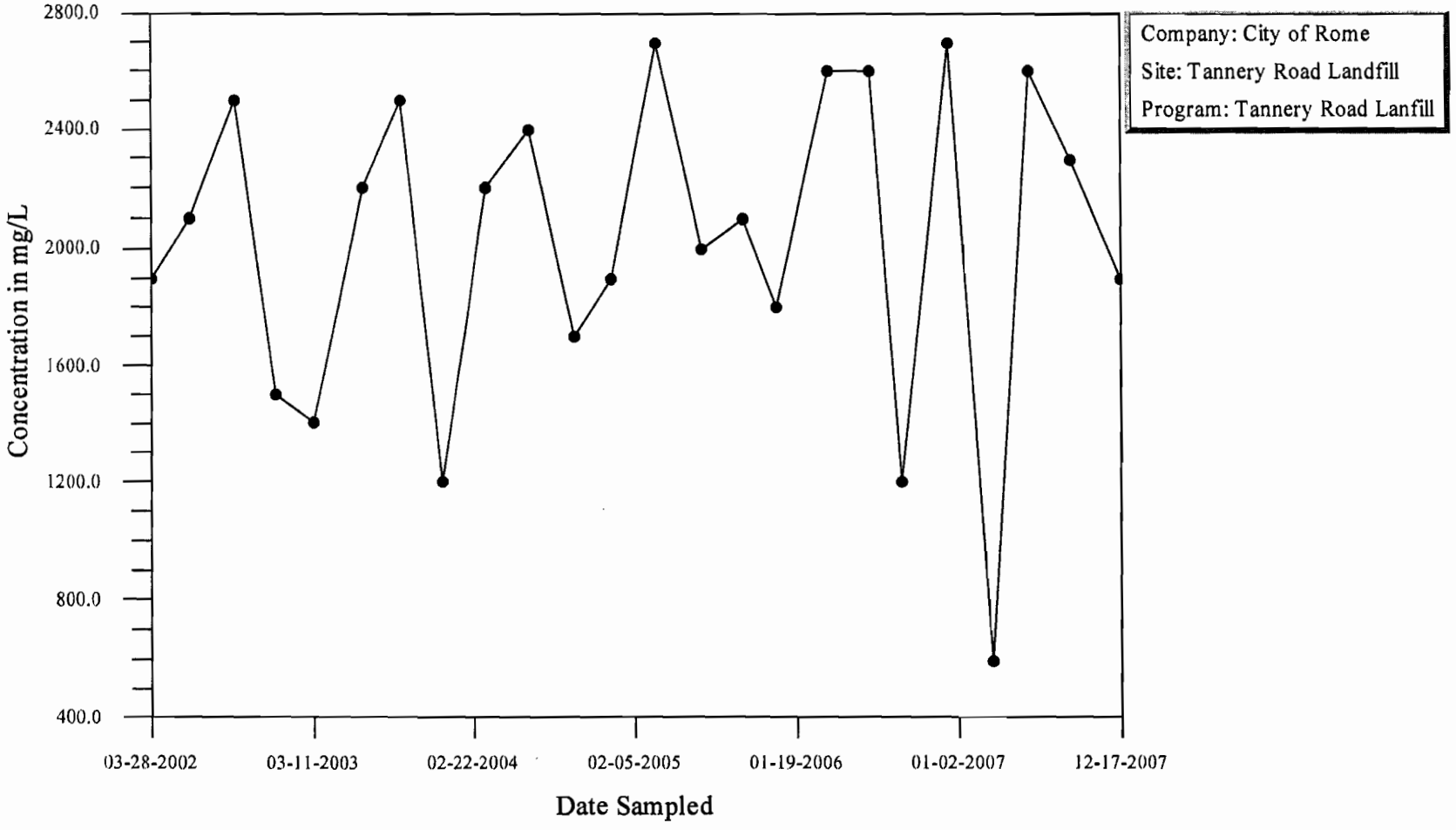
Time-Series Plot

Sodium, LMW-10



Time-Series Plot

Total Dissolved Solids, LMW-10

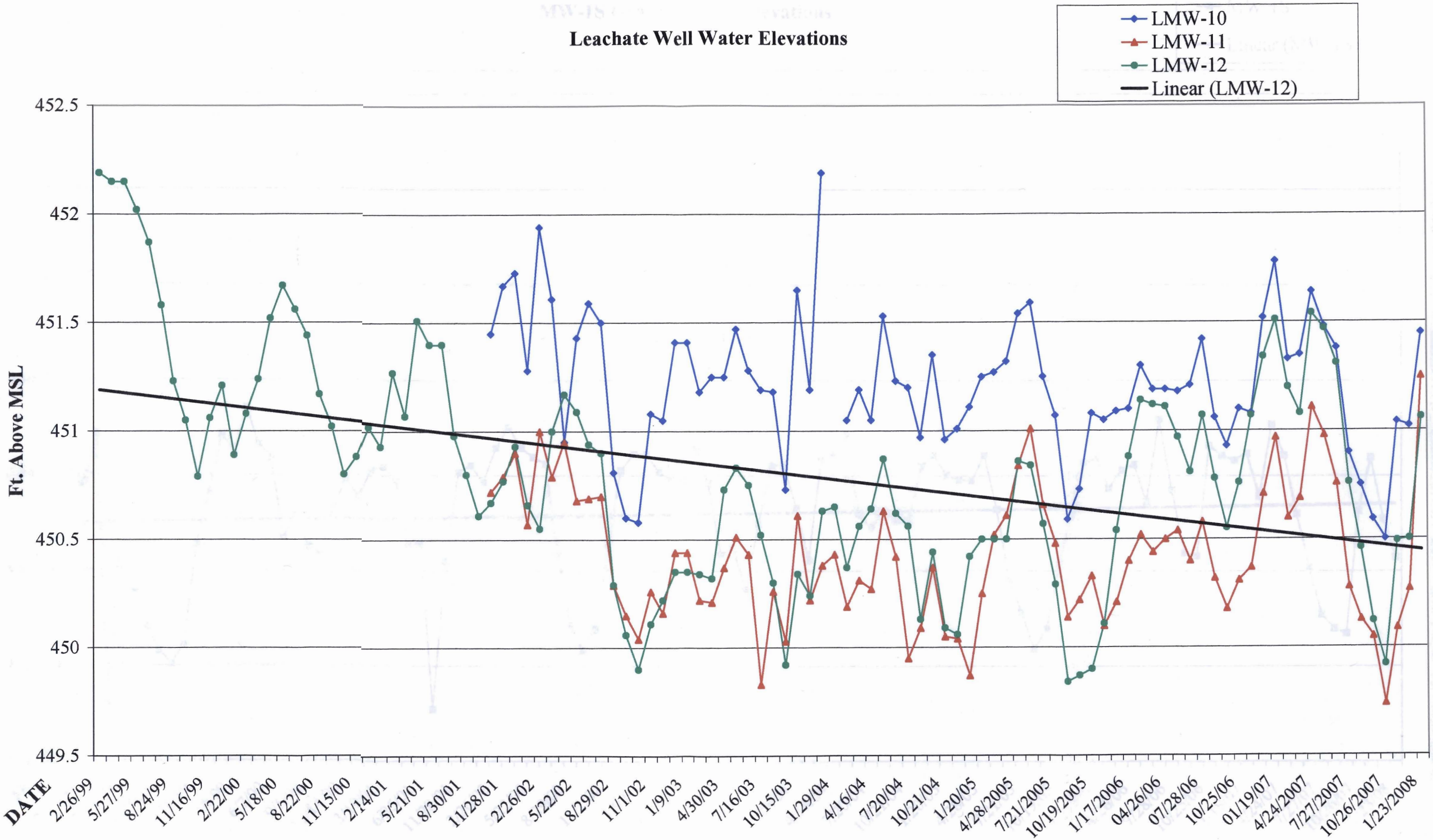


APPENDIX C

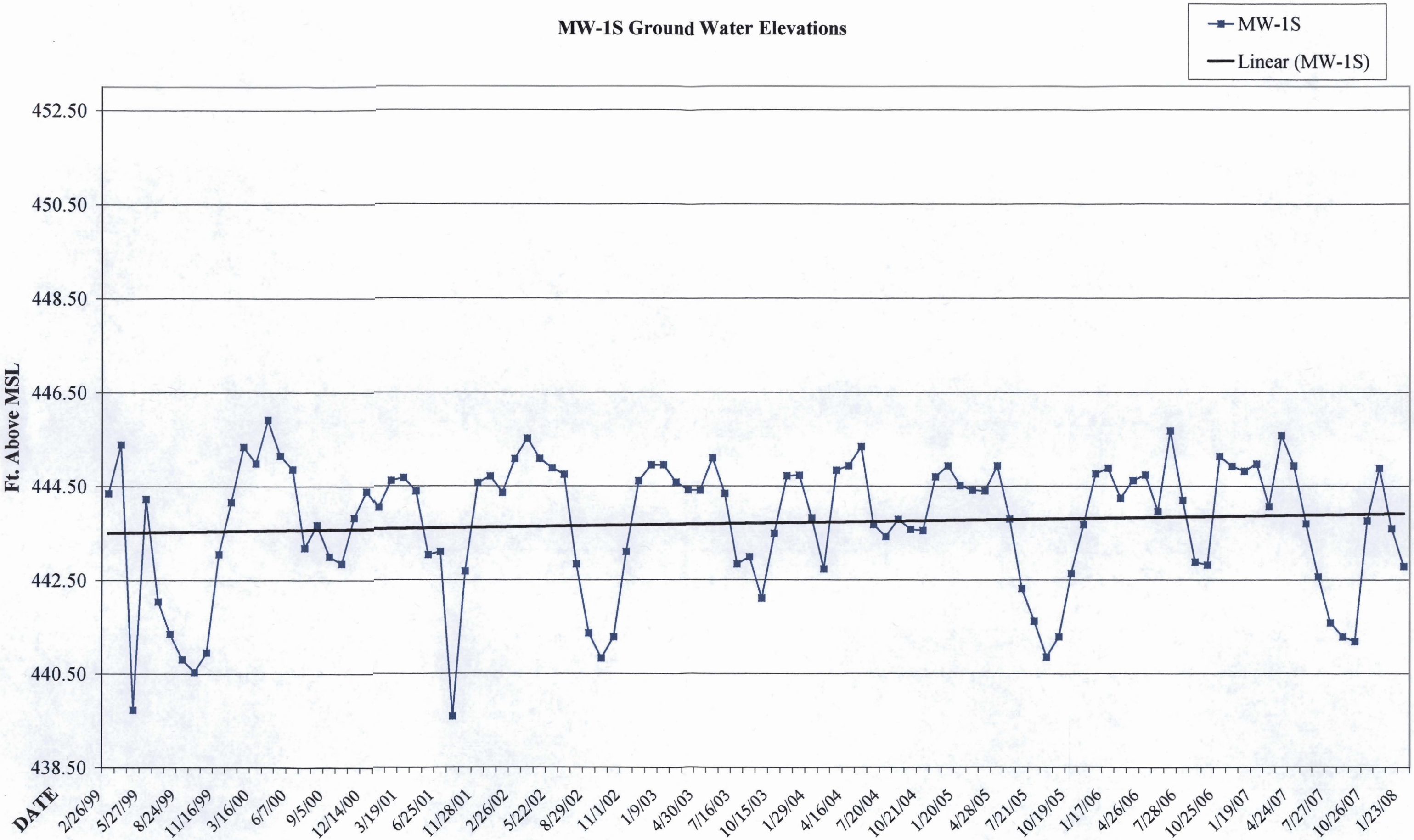
MONITORING WELL AND LEACHATE WELL

GROUND WATER ELEVATION DATA

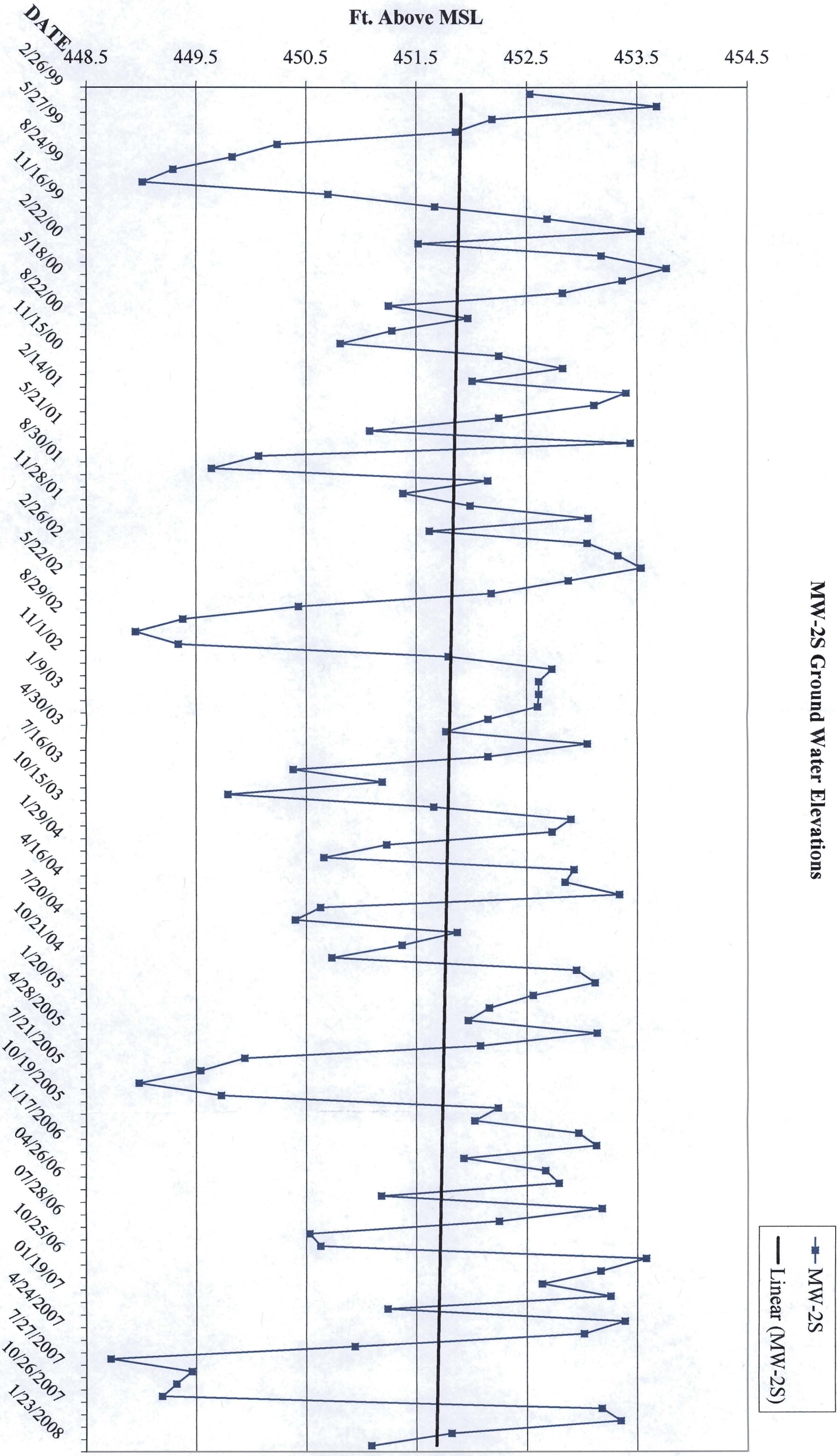
Leachate Well Water Elevations

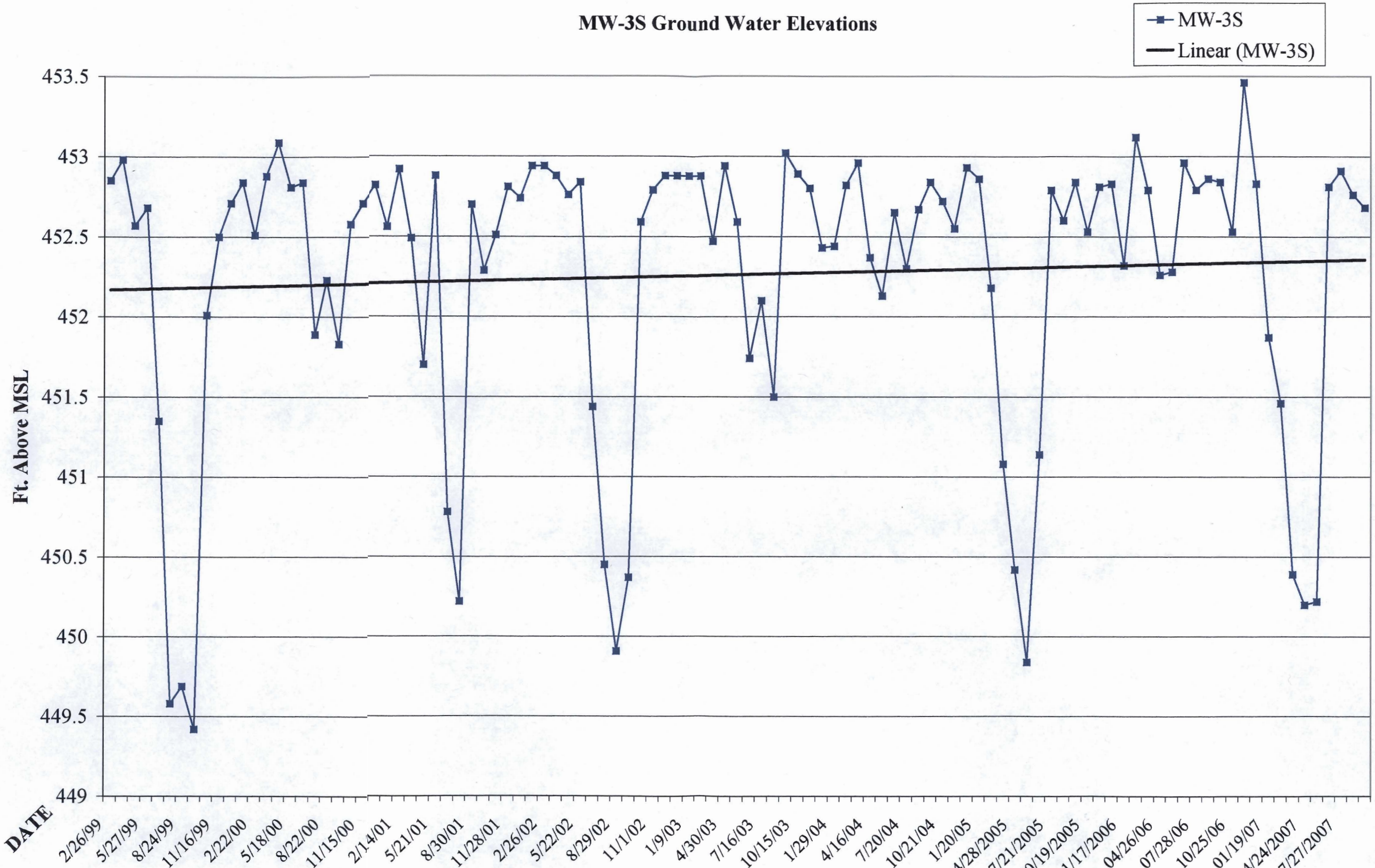


MW-1S Ground Water Elevations

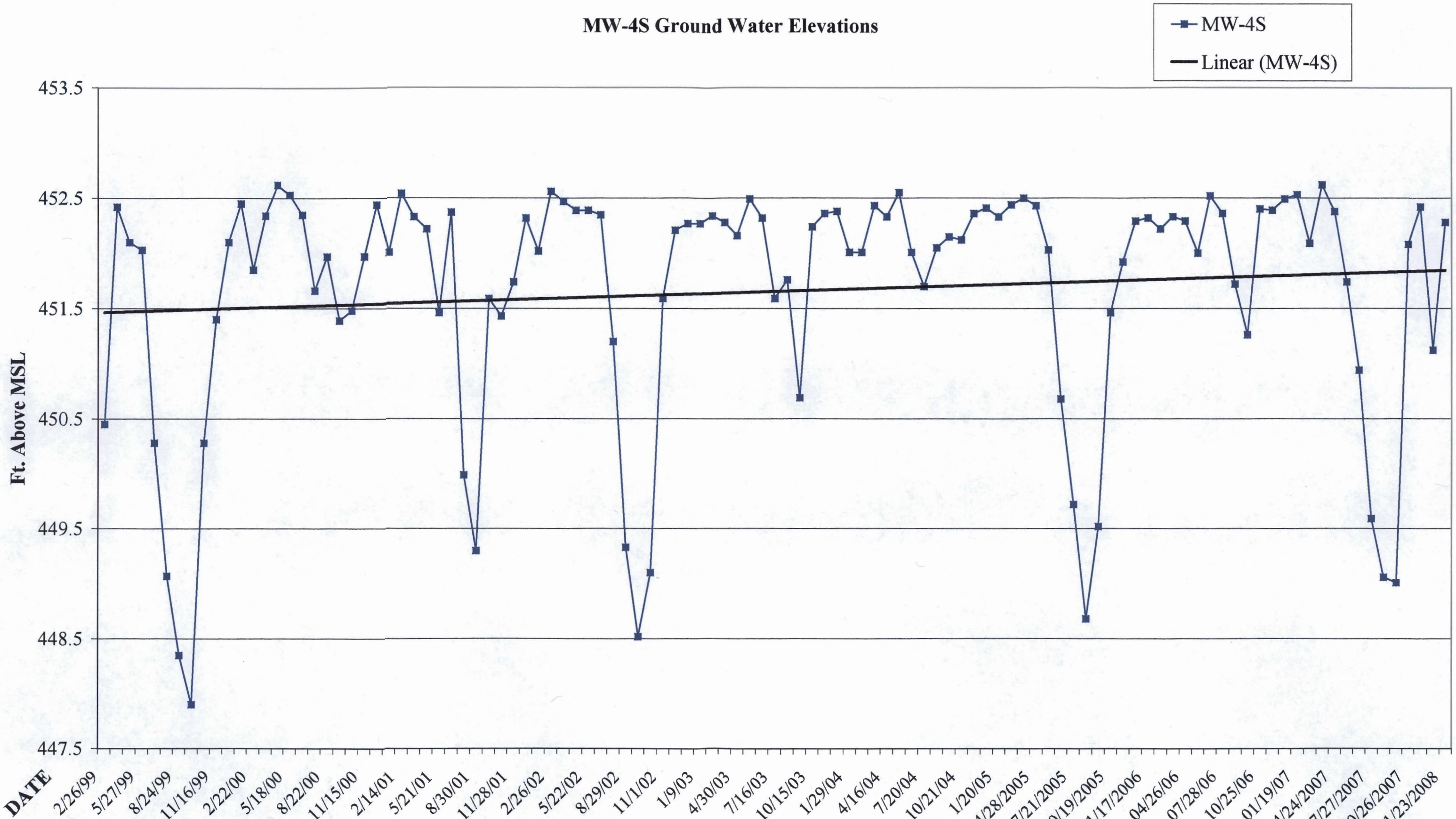


MW-2S Ground Water Elevations

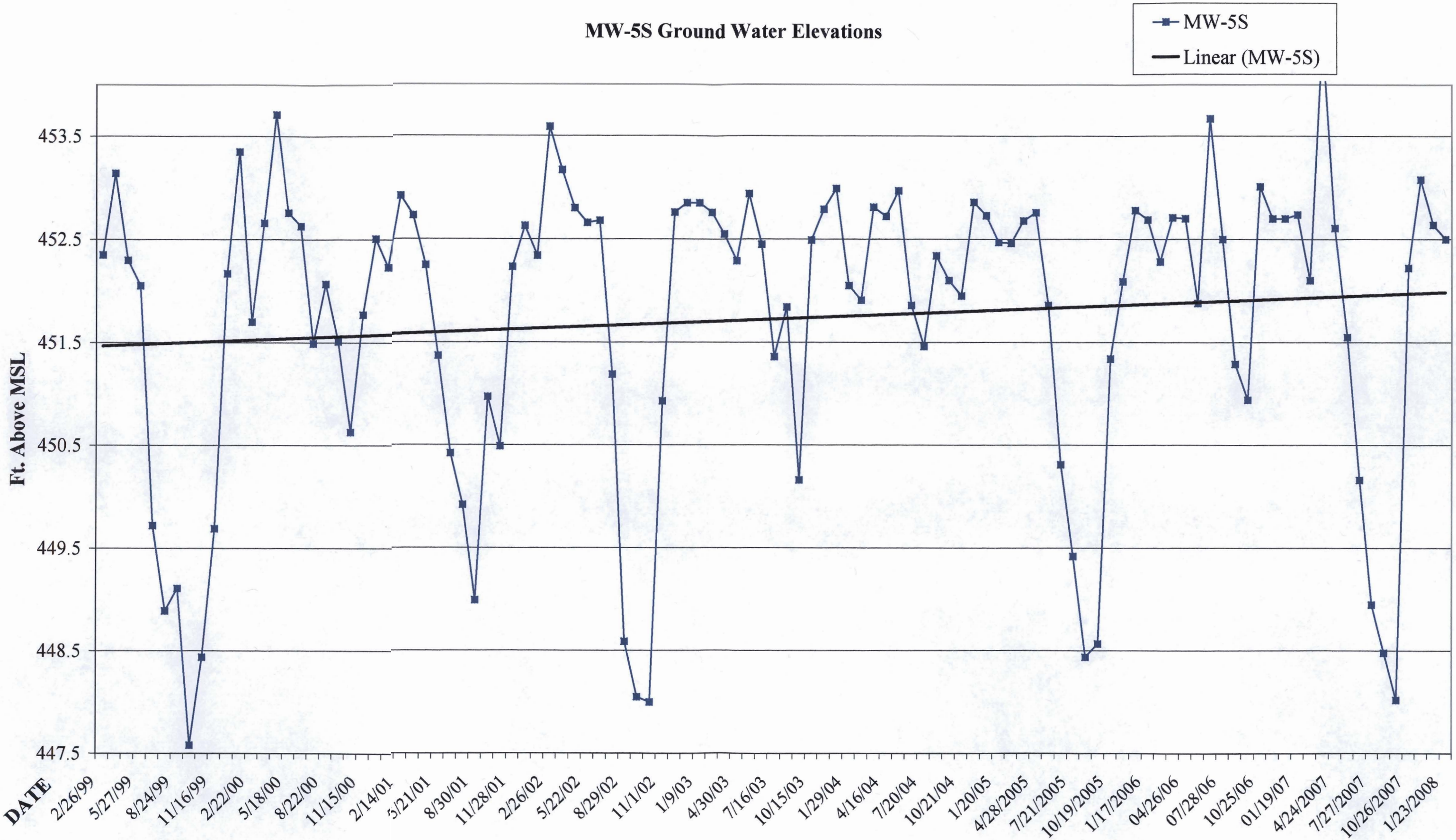



MW-3S Ground Water Elevations
MW-3S
Linear (MW-3S)
453.5
453
452.5
452
451.5
451
450.5
450
449.5
449
Ft. Above MSL
DATE
2/26/99
5/27/99
8/24/99
11/16/99
2/22/00
5/18/00
8/22/00
11/15/00
2/14/01
5/21/01
8/30/01
11/28/01
2/26/02
5/22/02
8/29/02
11/1/02
1/9/03
4/30/03
7/16/03
10/15/03
1/29/04
4/16/04
7/20/04
10/21/04
1/20/05
4/28/2005
7/21/2005
10/19/2005
1/17/2006
04/26/06
07/28/06
10/25/06
01/19/07
4/24/2007
7/27/2007

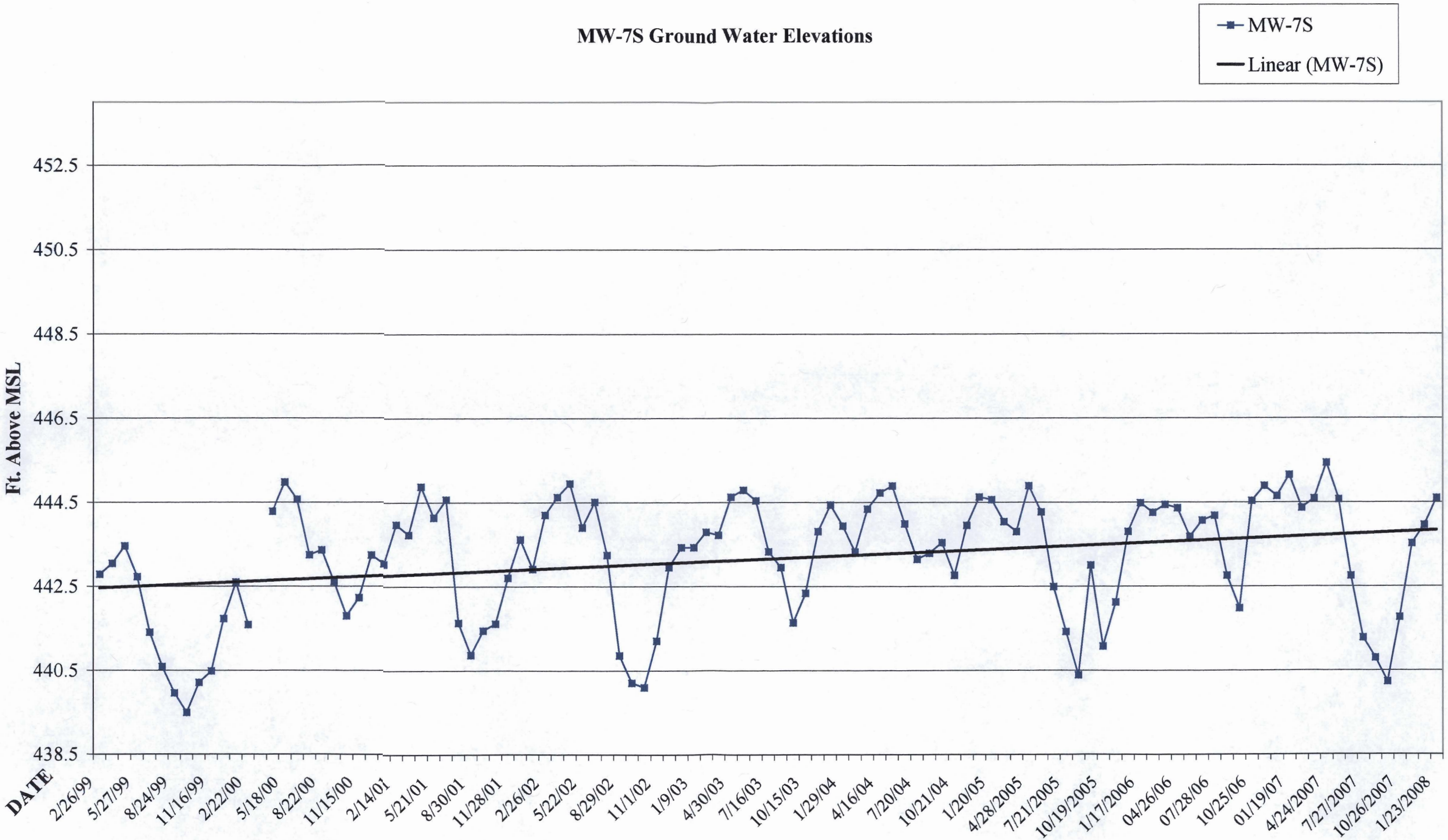
MW-4S Ground Water Elevations



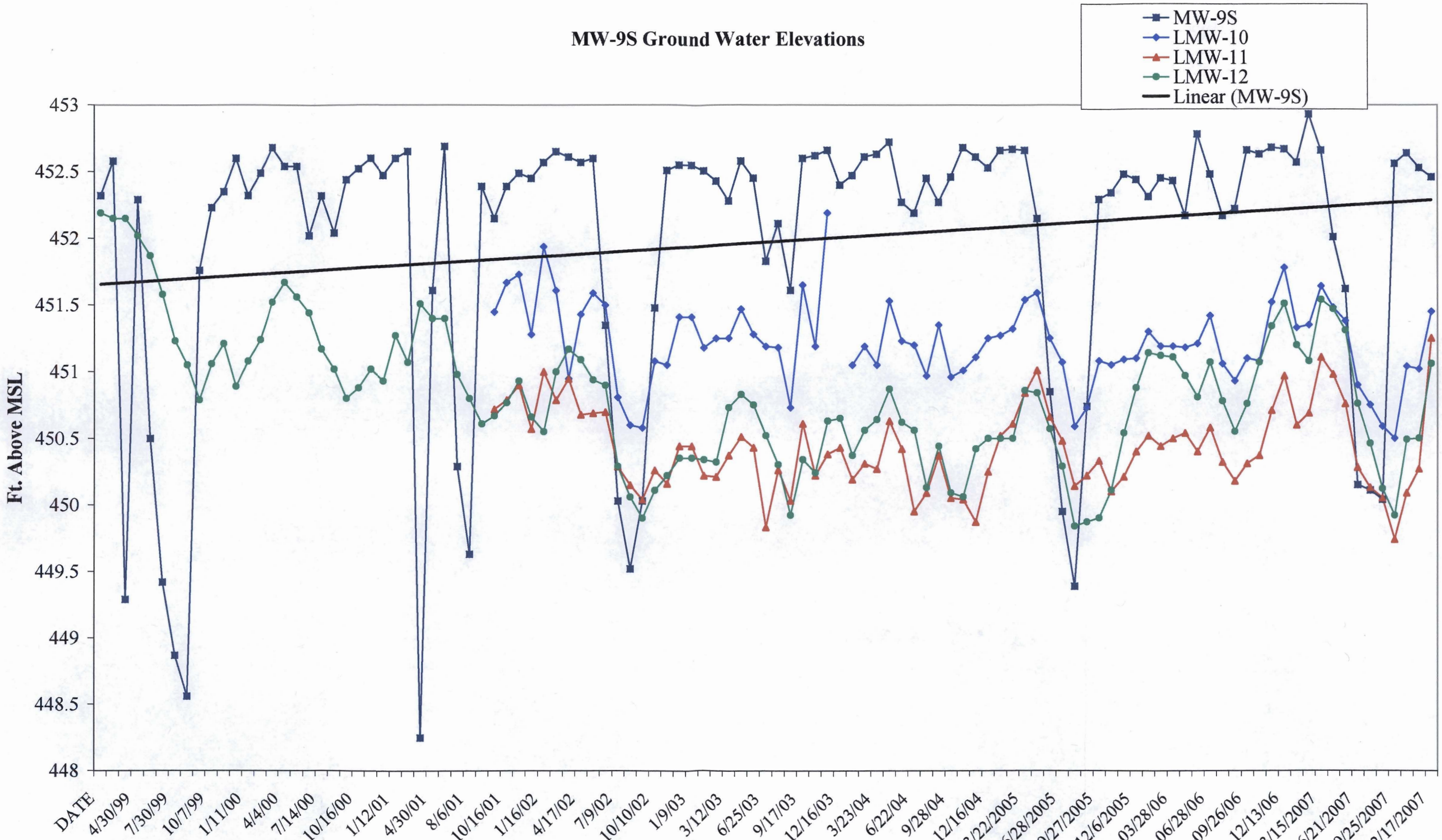
MW-5S Ground Water Elevations



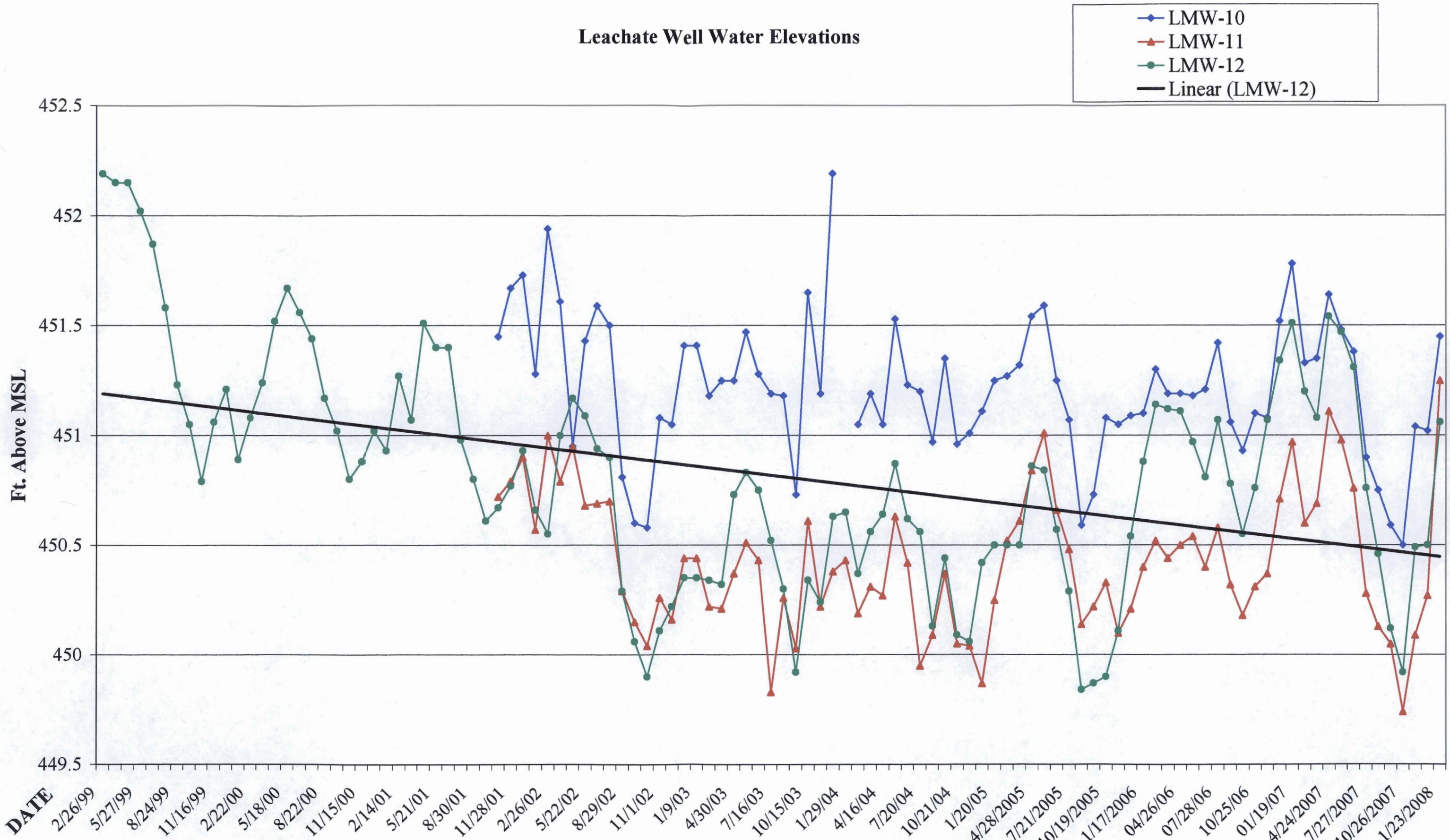
MW-7S Ground Water Elevations



MW-9S Ground Water Elevations



Leachate Well Water Elevations



APPENDIX D

MONTHLY INSPECTION FORMS

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 1/19/07 Inspector: Brent Zimmer

Weather: Snow Windy

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	(OK)	Good
Access Road - surface/paving/snow	(OK)	Very little snow
Overall appearance (trash/litter)	(OK)	Good
Pump Station at Tannery Road: Condition:	(OK)	
Pump #1 Hours: 60232 Pump #2 Hours: 51286		
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	(OK)	Good
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	(OK)	1/4
Meter Pit - open lid, check heater, leaks, etc.	(OK)	
Panel note conditions and any alarms: (OK)		

Totallizers (in meter pit)

RW-1	45398	RW-3	34929
RW-2	05716	RW-4	38930

Hour Meters

RW-1	196865	RW-3	521264
RW-2	304174	RW-4	284015

Landfill Cover Inspection			
Leachate seeps Any new seeps	(NO)	If YES, describe:	
Western seep condition:		OK Covered with snow	
North seep condition:		OK Covered with Snow	
Gas vents - general condition		(OK)	
- Unusual odors, list vents/describe.		None	
Flares ignited		OK	None (very High winds)
Perimeter fence		(OK)	
Erosion/animal burrows	NO	If YES, describe:	None Covered in snow

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 1/19/07 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	4.62	444.97	Good
MW - 2S	459.44	6.18	453.26	Good
MW - 3S	456.4	3.56	452.84	Good
MW - 4S	456.19	3.66	452.53	Good
MW - 5S	457.15	4.41	452.74	Good
MW - 7S	452.25	7.10	445.15	MW-7D 6.89 Good
MW - 9S	456.38	3.71	452.67	Good
MW - 10	486.3	34.52	451.78	Good
MW - 11	502.4	51.43	450.97	Good
MW - 12	483.11	31.60	451.51	Good
PZ - 1	454.37	5.51	448.86	Good

NOTES:

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 2/21/07 Inspector: Brent Zimmer
Weather: Sunny 32°

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	Currently plowing
Overall appearance (trash/litter)	OK	
Pump Station at Tannery Road:	Condition: OK	
Pump #1 Hours: 60809	Pump #2 Hours: 51771	

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows	OK	Snow covered
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	

Totallizers (in meter pit)

RW-1	45398	RW-3	35047
RW-2	06922	RW-4	38930

Hour Meters

RW-1	196865	RW-3	529069
RW-2	308736	RW-4	284015

Landfill Cover Inspection

Leachate seeps Any new seeps	NO	If YES, describe:
Western seep condition:		Snow covered
North seep condition:		Snow covered
Gas vents - general condition	OK	
- Unusual odors, list vents/describe.		None
Flares ignited	OK	None ignited
Perimeter fence	OK	
Erosion/animal burrows	NO	If YES, describe: Snow covered

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 2/21/07 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	5.53	444.06	Good
MW - 2S	459.44	8.20	451.24	MW-20 8.08 Good
MW - 3S	456.4	3.87	452.53	Good
MW - 4S	456.19	4.10	452.09	Good
MW - 5S	457.15	5.05	452.10	Good
MW - 7S	452.25	7.88	444.37	MW-70 8.21 Good
MW - 9S	456.38	3.81	452.57	Good
MW - 10	486.3	34.97	451.33	Good
MW - 11	502.4	51.80	450.60	Good
MW - 12	483.11	31.91	451.20	Good
PZ - 1	454.37	7.07	447.30	Good

NOTES:

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 3/15/07 Inspector: Brent Zimmer
Weather: Rain

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: 61136	Pump #2 Hours: 52047	
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	Alarm on RW-2

Totallizers (in meter pit)

RW-1 45398 RW-3 35393
RW-2 07573 RW-4 38930

Hour Meters

RW-1 196865 RW-3 534322
RW-2 313997 RW-4 284015

Landfill Cover Inspection		
Leachate seeps Any new seeps	NO	If YES, describe: Snow covered
Western seep condition:		Snow Covered
North seep condition:		Snow Covered
Gas vents - general condition		(OK)
- Unusual odors, list vents/describe.		None
Flares ignited		OK None
Perimeter fence		(OK)
Erosion/animal burrows	NO	If YES, describe: Snow Covered

3.98
4.49
6

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 3/15/07 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	4.01	445.58	Good
MW - 2S	459.44	6.05	453.39	Good
MW - 3S	456.4	2.94	453.46	Good
MW - 4S	456.19	3.57	452.62	Good
MW - 5S	457.15	2.68	454.47	Good
MW - 7S	452.25	7.66	444.59	Good
MW - 9S	456.38	3.45	452.93	Good
MW - 10	486.3	34.95	451.35	Good
MW - 11	502.4	51.71	450.69	Good
MW - 12	483.11	32.03	451.08	Obstruction
PZ - 1	454.37	4.46	449.91	Good

NOTES:

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 4/24/07 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: 61720 Pump #2 Hours: 52543		
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	

Totallizers (in meter pit)

RW-1 45386 RW-3 35540
RW-2 07474 RW-4 38930

Hour Meters

RW-1 196865 RW-3 543870
RW-2 318188 RW-4 284015

Landfill Cover Inspection		
Leachate seeps Any new seeps	NO	If YES, describe:
Western seep condition:	ok	
North seep condition:	Some easier	
Gas vents - general condition	OK	
- Unusual odors, list vents/describe.	None	
Flares ignited	OK	None - all except one is sparking
Perimeter fence	OK	
Erosion/animal burrows NO	If YES, describe:	In the back on berm mostly

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 4/24/07 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	4.66	444.93	Good
MW - 2S	459.44	6.42	453.02	Good MW-2D - 6.59
MW - 3S	456.4	3.57	452.83	Good
MW - 4S	456.19	3.81	452.38	Good
MW - 5S	457.15	4.54	452.61	Good
MW - 7S	452.25	6.81	445.44	Good MW-7D-6.53
MW - 9S	456.38	3.72	452.66	Good
MW - 10	486.3	34.66	451.64	Good
MW - 11	502.4	51.29	451.11	Good
MW - 12	483.11	31.57	451.54	Good
PZ - 1	454.37	5.11	449.26	Good

NOTES:

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 5/24/2007 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: 62153 Pump #2 Hours: 52909

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)	Under Construction
Meter Pit - open lid, check heater, leaks, etc.	(OK)	
Panel note conditions and any alarms:	(OK)	

Totallizers (in meter pit)

RW-1 45386 RW-3 35951
RW-2 08200 RW-4 38930

Hour Meters

RW-1 196865 RW-3 551058
RW-2 321976 RW-4 284015

Landfill Cover Inspection

Leachate seeps Any new seeps (NO) If YES, describe:
Western seep condition: OK
North seep condition: OK
Gas vents - general condition (OK)
- Unusual odors, list vents/describe. None
Flares ignited OK 4 out of 7 ignited
Perimeter fence (OK)
Erosion/animal burrows NO If YES, describe: Woodchuck holes, very active

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 5/24/07 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	5.89	443.7	Good
MW - 2S	459.44	8.50	450.94	8.40 MW-20 Good
MW - 3S	456.4	4.53	451.87	Good
MW - 4S	456.19	4.45	451.74	Good
MW - 5S	457.15	5.60	451.55	Good
MW - 7S	452.25	7.68	444.57	7.91 MW-70 Good
MW - 9S	456.38	4.37	452.01	Good
MW - 10	486.3	34.82	451.48	Good
MW - 11	502.4	51.42	450.98	Good
MW - 12	483.11	31.64	451.47	Good
PZ - 1	454.37	7.40	446.97	Good

NOTES:

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 6/21/07 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: 62717 Pump #2 Hours: 53381		
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	Under construction
Meter Pit - open lid, check heater, leaks, etc.	OK	
Panel note conditions and any alarms:	OK	

Totallizers (in meter pit)

RW-1 45386 RW-3 36435
RW-2 09626 RW-4 38930

Hour Meters

RW-1 196865 RW-3 557772
RW-2 327487 RW-4 284015

Landfill Cover Inspection		
Leachate seeps Any new seeps NO	If YES, describe:	No
Western seep condition:		Good
North seep condition:		Good
Gas vents - general condition	OK	
- Unusual odors, list vents/describe.		None
Flares ignited	OK	2 not lit
Perimeter fence	OK	
Erosion/animal burrows NO	If YES, describe:	Wood chucks

Calibration

ph 3.98

Cond 4.47

NTU 0

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 6/21/07 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	7.02	442.57	Good
MW - 2S	459.44	10.72	448.72	Good
MW - 3S	456.4	4.94	451.46	Good
MW - 4S	456.19	5.25	450.94	Good
MW - 5S	457.15	6.99	450.16	Good
MW - 7S	452.25	9.50	442.75	Good
MW - 9S	456.38	4.76	451.62	Good
MW - 10	486.3	34.92	451.38	Good
MW - 11	502.4	51.69	450.76	Good
MW - 12	483.11	31.80	451.31	Obstruction
PZ - 1	454.37	8.56	445.81	Good

NOTES: DPW onsite Repairing track on berms, regrade access rd

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 7/27/07 Inspector: EGF

Weather: Sunny humid 77° F

GENERAL INSPECTION - To Be Completed Monthly

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

Pump #1 Hours: 63596 Pump #2 Hours: 054121

Panel/Wells on Landfill

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

Panel note conditions and any alarms: OK none

Totallizers (in meter pit)

RW-1 4538600 RW-3 3700900

RW-2 1345000 RW-4 3893000

Hour Meters

RW-1 196865 RW-3 566392

RW-2 336116 RW-4 284015

Landfill Cover Inspection

Leachate seeps Any new seeps (NO) If YES, describe: NO

Western seep condition: DY

North seep condition: DY

Gas vents - general condition (OK)

- Unusual odors, list vents/describe. none

Flares ignited OK

Perimeter fence (OK)

Erosion/animal burrows NO If (YES), describe:

Erosion along toe on berms north side landfill have been repaired and erosion on LF cap north side LF repaired. woodchuck burrows east end of repaired berm & (berm repair farthest west of north downshute. (≅ 270' west of downshute

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 7/27/07 Inspector: CLF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	8.0	441.59	Good
MW - 2S	459.44	9.98	449.46	Good
MW - 3S	456.4	6.01	450.39	Good
MW - 4S	456.19	6.60	449.59	Good
MW - 5S	457.15	8.20	448.95	Good
MW - 7S	452.25	10.97	441.28	Good
MW - 9S	456.38	6.23	450.15	Good
MW - 10	486.3	35.40	450.90	Good
MW - 11	502.4	52.12	450.28	Good
MW - 12	483.11	32.35	450.76	Obstruction
PZ - 1	454.37	9.75	444.62	Good

NOTES:

7D - 10.94
1D - 8.37
5D - 8.21
2D 9.69

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 8/24/07 Inspector: ELF

Weather: 79° Humid sunny Haze

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	ok
Access Road - surface/paving/snow	OK	ok
Overall appearance (trash/litter)	OK	ok
Pump Station at Tannery Road: Condition:	OK	ok
Pump #1 Hours: 064239 Pump #2 Hours: 054656		
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	OK	ok
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	
Meter Pit - open lid, check heater, leaks, etc.	OK	ok
Panel note conditions and any alarms:	OK	ok

Totallizers (in meter pit)

RW-1	196865	RW-3	573115
RW-2	342838	RW-4	284015

Hour Meters

RW-1	4538600	RW-3	3723906
RW-2	1464760	RW-4	3893000

Landfill Cover Inspection			
Leachate seeps Any new seeps	NO	If YES, describe:	NO
Western seep condition:			ok
North seep condition:			ok
Gas vents - general condition		OK	OK
- Unusual odors, list vents/describe.			None
Flares ignited 4 ignited 1 not operational (13)		OK	ok
Perimeter fence		OK	OK
Erosion/animal burrows	NO	If YES, describe:	

(Zone 3?)
Along repaired area west of north downchute

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 8/24/07 11:16 Inspector: EGT

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	8.30	441.29	Good
MW - 2S	459.44	10.12	449.32	Good
MW - 3S	456.4	6.20	450.20	Good
MW - 4S	456.19	7.13	449.06	Good
MW - 5S	457.15	8.67	448.48	Good
MW - 7S	452.25	11.45	440.80	Good
MW - 9S	456.38	6.27	450.11	Good
MW - 10	486.3	35.55	450.75	Good
MW - 11	502.4	52.27	450.13	Good
MW - 12	483.11	32.65	450.46	Obstruction
PZ - 1	454.37	10.25	444.12	Good

NOTES:

MW-7D 11.54
MW-1D 8.69
MW-5D 8.65
MW-9D 9.80
MW-4D

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 9/25/07 0730 Inspector: CGF

Weather: Sunny 40°F

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	ok
Access Road - surface/paving/snow	OK	Ok
Overall appearance (trash/litter)	OK	ok
Pump Station at Tannery Road: Condition:	OK	ok
Pump #1 Hours: 64898 Pump #2 Hours: 55205		
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	OK	ok
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	ok
Meter Pit - open lid, check heater, leaks, etc.	OK	ok
Panel note conditions and any alarms:	OK	None

Totallizers (in meter pit)

RW-1	4528600	RW-3	3788900
RW-2	1704800	RW-4	3893000

Hour Meters

RW-1	196865	RW-3	520722
RW-2	350446	RW-4	284015

Landfill Cover Inspection

Leachate seeps Any new seeps (NO)	If YES, describe:	
Western seep condition:	ok	
North seep condition:	ok	
Gas vents - general condition	OK	ok
- Unusual odors, list vents/describe.	None	
Flares ignited	OK	
Perimeter fence ok	OK	
Erosion/animal burrows (NO)	If YES, describe:	

wood chuck holes previously present (August 07) about repaired, area of tac on berm west of north downchute appear to have been filled

Flares 4 ignited and one not operational

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 9/25/07 Inspector: ELF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	8.40	441.19	Good
MW - 2S	459.44	10.25	449.19	Good
MW - 3S	456.4	6.18	450.22	Good
MW - 4S	456.19	7.18	449.01	Good
MW - 5S	457.15	9.13	448.02	Good
MW - 7S	452.25	12.02	440.23	Bottom
MW - 9S	456.38	6.34	450.04	Good
MW - 10	486.3	35.71	450.59	Good
MW - 11	502.4	52.35	450.05	Good
MW - 12	483.11	32.99	450.12	Obstruction
PZ - 1	454.37	10.54	443.83	Good

NOTES:

MW-1D 8.84
MW-5D 9.11
MW-2D 9.94
MW-7D 11.95

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 10/26/07 Inspector: Brent Zimmer
Weather: Overcast Windy

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	(OK)	Northeast Corner is off Hinges
Access Road - surface/paving/snow	(OK)	
Overall appearance (trash/litter)	(OK)	
Pump Station at Tannery Road: Condition:	(OK)	

Pump #1 Hours: 065549 Pump #2 Hours: 055740

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)	None

Totallizers (in meter pit) *

RW-1 45386 RW-3 38510
RW-2 18977 RW-4 38930

Hour Meters

RW-1 196865 RW-3 588155
RW-2 357879 RW-4 284015

Landfill Cover Inspection

Leachate seeps Any new seeps (NO) If YES, describe:
Western seep condition: ok
North seep condition: ok
Gas vents - general condition (OK)
- Unusual odors, list vents/describe. None
Flares ignited OK None
Perimeter fence (OK)
Erosion/animal burrows NO If YES, describe:
No new burrows

* Had to read meters in the pit

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 10/26/07 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	5.83	443.76	Good
MW - 2S	459.44	6.26	453.18	Good
MW - 3S	456.4	3.59	452.81	Good
MW - 4S	456.19	4.11	452.08	Good
MW - 5S	457.15	4.93	452.22	Good
MW - 7S	452.25	10.48	441.77	Good
MW - 7D	451.79	10.24	441.55	Good
MW - 9S	456.38	3.82	452.56	Good
MW - 10	486.3	35.80	450.50	Good
MW - 11	502.4	52.66	449.74	Good
MW - 12	483.11	33.19	449.92	Fair obstruction 30' range
PZ - 1*	454.37	7.64	446.73	Good

NOTES:

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 11/21/07 Inspector: Brent Zimmer
Weather: Overcast 43°

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: 66141 Pump #2 Hours: 56217		
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	Pumped out the meter pit
Panel note conditions and any alarms: OK		

Totallizers (in meter pit)

RW-1 45386 RW-3 39006
RW-2 20578 RW-4 38930

Hour Meters

RW-1 196865 RW-3 594413
RW-2 364137 RW-4 281015

Landfill Cover Inspection

Leachate seeps Any new seeps (NO) If YES, describe:
Western seep condition: OK
North seep condition: OK
Gas vents - general condition (OK)
- Unusual odors, list vents/describe. None
Flares ignited OK 5 of the 7 ignited
Perimeter fence (OK)
Erosion/animal burrows NO If YES, describe: Northeast corner under the flare
250' east of the pump house - wood chuck hole needs filling

Grass was mowed

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 11/21/07 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	4.71	444.88	Good
MW - 2S	459.44	6.09	453.35	Good
MW - 3S	456.4	3.49	452.91	Good
MW - 4S	456.19	3.77	452.42	Good
MW - 5S	457.15	4.07	453.08	Good
MW - 7S	452.25	8.73	443.52	Good
MW - 7D	451.79	9.22	442.57	Good
MW - 9S	456.38	3.74	452.64	Good
MW - 10	486.3	35.26	451.04	Good
MW - 11	502.4	52.31	450.09	Good
MW - 12	483.11	32.62	450.49	29' obstruction
PZ - 1*	454.37	5.79	448.58	Good
	MW-2D	6.30		

NOTES:

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 12/11/07 Inspector: Brent Zimmer
Weather: 10° Windy

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	Just plowed
Overall appearance (trash/litter)	OK	Covered with 18" of snow
Pump Station at Tannery Road:	Condition: OK	
Pump #1 Hours: 66480	Pump #2 Hours: 56490	
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	39236
RW-2	20649	RW-4	38930

Hour Meters

RW-1	196865	RW-3	597212
RW-2	365812	RW-4	284015

Landfill Cover Inspection

Leachate seeps Any new seeps NO	If YES, describe:	18" of snow
Western seep condition:		
North seep condition:		
Gas vents - general condition	OK	
- Unusual odors, list vents/describe.	None	
Flares ignited	OK	None
Perimeter fence	OK	
Erosion/animal burrows NO	If YES, describe:	18" of snow

Calabration
PH 3,97
Cond 4,49
NTU 0

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 12/17/07 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	6.00	443.59	Good
MW - 2S	459.44	7.62	451.82	Good
MW - 3S	456.4	3.64	452.76	Good
MW - 4S	456.19	5.07	451.12	Good
MW - 5S	457.15	4.51	452.64	Good
MW - 7S	452.25	8.29	443.96	Good
MW - 7D	451.79	8.59	443.20	Good
MW - 9S	456.38	3.85	452.53	Good
MW - 10	486.3	35.28	451.02	Good
MW - 11	502.4	52.13	450.27	Good
MW - 12	483.11	32.61	450.50	obstruction 30' +/-
PZ - 1*	454.37	7.61	446.76	Good

NOTES:

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 1/22/08 Inspector:

Weather: Sunny, very windy 20°F

GENERAL INSPECTION - To Be Completed Monthly

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

Pump #1 Hours: 67029 Pump #2 Hours: 56933

Panel/Wells on Landfill

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

Totallizers (in meter pit)

New meter →

RW-1 4538600 RW-3 3980900

RW-2 0000200 RW-4 3893000

Hour Meters

RW-1 196865 RW-3 605150

RW-2 367239 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 X

- Unusual odors, list vents/describe.

Flares ignited nonignited, six functional OK

Perimeter fence one not functional OK X

Erosion/animal burrows NO If YES, describe:

Landfill covered with snow.

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 1/23/08 Inspector: GCF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	6.80	442.79	Good
MW - 2S	459.44	8.35	451.09	Good
MW - 3S	456.4	3.72	452.68	Good
MW - 4S	456.19	3.91	452.28	Good
MW - 5S	457.15	4.65	452.50	Good
MW - 7S	452.25	7.65	444.60	Good
MW - 9S	456.38	3.92	452.46	Good
MW - 10	486.3	34.85	451.45	Good
MW - 11	502.4	51.15	451.25	Good
MW - 12	483.11	32.05	451.06	Obstruction
PZ - 1	454.37	7.62	446.75	Good

NOTES:

TD 7.59
1D 5.47
2D 6.93
5D 4.72