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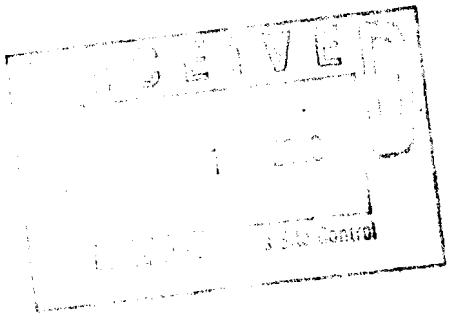
March 12, 2003



Mr. Robert Comis
Commissioner of Public Works
City of Rome
City Hall, Suite 3C
198 N. Washington Street
Rome, New York 13440

Re: Tannery Road Landfill Annual Report

Dear Mr. Comis:

Enclosed are two copies of the 2003 Annual Report for the Tannery Road Landfill. I have forwarded a copy to Susan Lasdin at the New York State Department of Environmental Conservation Central Office.

If you have any questions or comments, please contact me at (518) 452-1290 or via email at efahrenkopf@delaware-eng.com.

Sincerely,

Ed Fahrenkopf
Senior Environmental Scientist

CITY OF ROME

TANNERY ROAD LANDFILL

2002 ANNUAL REPORT

Prepared for:

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

Prepared by:

Delaware Engineering, P.C.
28 Madison Avenue Extension
Albany, New York 12203

FEBRUARY 2003

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1.0 INTRODUCTION

This document presents the 2002 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 2002 through January 2003.

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 2002.
- Monthly Inspection Data.

2.0 GROUND WATER AND LEACHTE ANALYTICAL DATA

Ground water samples were collected in March, June, September and December from monitoring wells MW-1S, MW-2S, MW-3S, MW-4S, MW-5S, MW-7D and groundwater/leachate wells MW-10 and MW-12. The June, September and December samples were analyzed for the NYSDEC Part 360 Routine parameters. The samples collected in March 2002 were analyzed for the Part 360 baseline parameters. Ground water sample collection was performed following the procedures specified in the NYSDEC approved O&M manual.

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 which exceeded the New York State ground water standard are presented in a bold font. Laboratory reporting sheets are presented in Appendix B.

The ground water analytical data from 2002 demonstrates that ground water in the vicinity of monitoring wells MW-3S, MW-4S and MW-7D continue to exhibit elevated concentrations of landfill related constituents. Ground water from monitoring well MW-3S consistently exhibited concentrations of ammonia, sodium, and total dissolved solids (TDS) that are above both the NYSDEC ground water standards and upgradient MW-9S concentrations. Ground water from monitoring well MW-7D consistently exhibited ammonia and TDS concentrations and ground

water from monitoring well MW-4S ammonia values that were above ground water standards and upgradient MW-9S concentrations. The MW-7D March 2002 baseline ground water volatile organic sample exhibited chlorobenzene, benzene and xylene concentrations that were above the respective ground water standards.

Times series concentration graphs of several leachate indicator parameters (alkalinity, ammonia, boron, chloride, iron, potassium, sodium, TDS) for each monitoring well are provided in Appendix C. A Mann-Kendall trend analysis for each parameter at each monitoring well is presented in Table 1. Both the time series trend graphs and the Mann-Kendall trend analysis indicate a decreasing trend in the MW-3S ground water concentrations of alkalinity, boron, chloride, iron, potassium, sodium and TDS. 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 MW-10, MW-11 and MW-12. A summary of the 2002 ground water elevation data is provided in Table 2. Ground water contour maps for March, June, September and December 2002 are provided in the attached map pockets. Times series graphs depicting ground water elevations over time for each monitoring well are provided in Appendix D.

The ground water elevation data demonstrate that from January 2002 through June 2002, ground water elevations from monitoring wells MW-2S, MW-3S, MW-4S, MW-5S and MW-9S were higher than the leachate well MW-10 elevations, indicating an inward gradient. From November 2002 through January 2003, ground water elevations in monitoring wells MW-2S, MW-3S, MW-4S and MW-9S and the MW-5S ground water elevations in December 2002 and January 2003, were higher than the MW-10S leachate well elevations, which indicates an inward gradient during these time frames.

Ground water elevations in monitoring wells MW-2S, MW-3S, MW-4S and MW-9s from July 2002 through October 2002, and the ground water elevations in monitoring well MW-5S from July 2002 through November 2002 were less than the MW-10 elevation, indicating an outward gradient. The higher elevations in landfill leachate monitoring well MW-10 indicates that during the drier months there was an outward gradient from the landfill. Ground water elevations in monitoring wells MW-1S and MW-7S continue to be lower than the MW-12 landfill leachate monitoring well, indicating a continuing outward gradient.

The time series water elevation graphs for leachate wells MW-10, MW-11 and MW-12 indicate a decreasing trend in the water level elevation in all three wells. A linear trend line has been plotted on each graph. The trend line for the ground water monitoring wells outside the landfill indicate that ground water elevations outside the landfill have not significantly changed, which indicates that the decreasing trend in the landfill leachate wells is not related to a decrease in precipitation. The data indicate that the four 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

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

The pump in leachate recovery well RW-4 has consistently been damaged by fine sand that has penetrated the well screen. In an attempt to alleviate this problem, a second, smaller diameter casing was placed inside the existing casing and a new pump was placed in the well.

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. The annual gas vent inspection and hydrogen sulfide measurements were conducted on August 30, 2002. Copies of the completed inspection forms are provided in Appendix E.

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 between January 16, 2002 to January 9, 2003 are presented below. Monthly summaries of the flow data are provided in Appendix E.

RW-1	515,900 gallons
RW-2	1,025,600 gallons
RW-3	414,400 gallons
RW-4	299,300 gallons
Total Gallons	2,255,200

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
TOTAL	**3,657,593**	**6,294,400**	**1,619,900**	**769,200**	**12,341,093**

6.0 RECOMMENDATIONS

As discussed in Section 3.0, ground water from monitoring wells MW-3S, MW-4S and MW-7S have consistently exhibited ammonia, sodium and TDS 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 ground water monitoring 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
City of Rome
Tannery Road Landfill
Mann-Kendall Trend Analysis

Sampling Point	Sample Size	%NDs	S Value	Tabular Value	Statistically Significant Trend	Direction
Part 360 Leachate Indicator						
Ammonia-Nitrogen (mg/L)						
LMW-10	4	0.0%	1	0.5	No	-
LMW-12	16	0.0%	35	0.064	No	-
MW-1S	16	75.0%	-44	0.026	Yes	Downward
MW-3S	16	0.0%	2	0.482	No	-
MW-4S	16	6.3%	-27	0.1235	No	-
MW-5S	16	25.0%	-5	0.4295	No	-
MW-7D	16	0.0%	-12	0.313	No	-
MW-9S	16	31.3%	-1	0.5	No	-
Boron (mg/L)						
LMW-10	3	0.0%	3	0	Yes	Upward
LMW-12	9	0.0%	2	0.46	No	-
MW-1S	9	100.0%	8	0.238	No	-
MW-3S	9	0.0%	-22	0.012	Yes	Downward
MW-4S	9	55.6%	6	0.306	No	-
MW-5S	9	100.0%	8	0.238	No	-
MW-7D	9	33.3%	-10	0.179	No	-
MW-9S	9	100.0%	8	0.238	No	-
Chloride (mg/L)						
LMW-10	4	0.0%	-2	0.375	No	-
LMW-12	16	0.0%	42	0.032	Yes	Upward
MW-1S	16	6.3%	-10	0.345	No	-
MW-3S	16	0.0%	-81	0	Yes	Downward
MW-4S	16	0.0%	-32	0.083	No	-
MW-5S	16	0.0%	-30	0.097	No	-
MW-7D	16	0.0%	-50	0.013	Yes	Downward
MW-9S	16	6.3%	-2	0.482	No	-

Table 1
City of Rome
Tannery Road Landfill
Mann-Kendall Trend Analysis

Total Alkalinity (mg/L)						
LMW-10	4	0.0%	0	0.625	No	-
LMW-12	16	0.0%	47	0.0185	Yes	Upward
MW-1S	16	12.5%	-26	0.133	No	-
MW-3S	16	0.0%	-65	0.0015	Yes	Downward
MW-4S	16	0.0%	-53	0.009	Yes	Downward
MW-5S	16	0.0%	-44	0.026	Yes	Downward
MW-7D	16	0.0%	-47	0.0185	Yes	Downward
MW-9S	16	0.0%	-29	0.1055	No	-
Total Dissolved Solids (mg/L)						
LMW-10	4	0.0%	0	0.625	No	-
LMW-12	16	0.0%	32	0.083	No	-
MW-1S	16	12.5%	-21	0.187	No	-
MW-3S	16	0.0%	-88	0	Yes	Downward
MW-4S	16	0.0%	-57	0.005	Yes	Downward
MW-5S	16	0.0%	-31	0.09	No	-
MW-7D	16	0.0%	-6	0.412	No	-
MW-9S	16	0.0%	-6	0.412	No	-
Part 360 Metal						
Calcium (mg/L)						
LMW-10	4	0.0%	-1	0.5	No	-
LMW-12	16	0.0%	-27	0.1235	No	-
MW-1S	16	0.0%	-45	0.0235	Yes	Downward
MW-3S	16	0.0%	-111	0	Yes	Downward
MW-4S	16	0.0%	-33	0.0765	No	-
MW-5S	16	0.0%	-21	0.187	No	-
MW-7D	16	0.0%	-4	0.447	No	-
MW-9S	16	0.0%	-18	0.225	No	-
Iron (mg/L)						
LMW-10	4	0.0%	-2	0.375	No	-
LMW-12	16	0.0%	-18	0.225	No	-

Table 1
City of Rome
Tannery Road Landfill
Mann-Kendall Trend Analysis

MW-1S	16	0.0%	-8	0.378	No	-
MW-3S	16	0.0%	-96	0	Yes	Downward
MW-4S	16	0.0%	-2	0.482	No	-
MW-5S	16	0.0%	-20	0.199	No	-
MW-7D	16	0.0%	-27	0.1235	No	-
MW-9S	16	0.0%	-5	0.4295	No	-
Potassium (mg/L)						
LMW-10	4	0.0%	0	0.625	No	-
LMW-12	16	0.0%	42	0.032	Yes	Upward
MW-1S	16	43.8%	-30	0.097	No	-
MW-3S	16	0.0%	-70	0.001	Yes	Downward
MW-4S	16	0.0%	-27	0.1235	No	-
MW-5S	16	0.0%	6	0.412	No	-
MW-7D	16	0.0%	-46	0.021	Yes	Downward
MW-9S	16	0.0%	4	0.447	No	-
Sodium (mg/L)						
LMW-10	4	0.0%	0	0.625	No	-
LMW-12	16	0.0%	55	0.007	Yes	Upward
MW-1S	16	25.0%	-40	0.039	Yes	Downward
MW-3S	16	0.0%	-73	0	Yes	Downward
MW-4S	16	0.0%	-38	0.048	Yes	Downward
MW-5S	16	12.5%	-52	0.01	Yes	Downward
MW-7D	16	0.0%	-14	0.282	No	-
MW-9S	16	0.0%	18	0.225	No	-

Table 3
Operational Data Summary
Tannery Road Landfill
Rome, New York

Pump Station at Tannery Road

Hour Meters	1/16/2002	2/26/2002	3/28/2002	4/17/2002	5/22/2002	6/17/2002	7/9/2002	8/29/2002	9/24/2002	10/10/2002	11/1/2002	12/18/2002	1/9/2003	Total Hours Operated 1/16/2002 - 1/9/2003
Pump #1	26483	27,189	27,722	28,053	28,784	29,510	29,819	30,411	30,677	30,851	31,156	32,060	32549	6,066
Pump #2	23147	23,728	24,169	24,442	25,043	25,639	25,897	26,394	26,617	26,762	27,016	27,759	28165	5,018

Totalizers in Meter Pit	1/16/2002	2/26/2002	3/28/2002	4/17/2002	5/22/2002	6/17/2002	7/9/2002	8/29/2002	9/24/2002	10/10/2002	11/1/2002	12/18/2002	1/9/2003	Total Flow (Gallons) 1/16/2002 - 1/9/2003
RW-1	3,136,400	3,198,100	3,243,500	3,274,000	3,327,700	3,366,700	3,398,000	3,470,300	3,506,200	3,527,900	3,557,800	3,622,200	3,652,300	515,900
RW-2	5,268,800	5,394,300	5,484,700	5,545,400	5,652,100	5,730,700	5,795,500	5,936,600	6,005,600	6,047,200	6,104,800	6,233,200	6,294,400	1,025,600
RW-3	1,205,500	1,252,000	1,284,600	1,284,900	1,329,700	1,358,900	1,383,000	1,439,800	1,465,100	1,485,100	1,516,200	1,586,100	1,619,900	414,400
RW-4	469,900	479,600	479,600	479,600	519,900	576,300	576,300	576,300	576,300	576,300	576,300	693,300	769,200	299,300
Total														2,255,200

Hour Meters	1/16/2002	2/26/2002	3/28/2002	4/17/2002	5/22/2002	6/17/2002	7/9/2002	8/29/2002	9/24/2002	10/10/2002	11/1/2002	12/18/2002	1/9/2003	Total Hours Operated 1/16/2002 - 1/9/2003
RW-1	87,425	89,099	90,283	91,074	92,461	93,488	94,316	96,151	97,062	97,608	98,362	100,012	100,780	13,355
RW-2	91,541	93,423	94,733	95,603	97,131	98,279	99,199	101,221	102,207	102,801	103,625	105,481	106,368	14,827
RW-3	172,140	181,933	188,874	188,875	189,909	190,310	190,638	192,560	192,994	194,994	200,223	211,521	215,128	42,988
RW-4	28,852	33,201	39,718	39,719	41,152	46,416	46,420	46,420	46,420	46,420	46,240	50,904	53,572	24,720

Table 2

Water Level Elevation Data, Comparisons to MW-10 and MW-12
Tannery Road Landfill
Rome, New York

WELL	MEASURING POIN	DEPTH TO WATER (FT.)												
	ELEVATION (FT.)	1/16/2002	2/26/2002	3/28/2002	4/17/2002	5/22/2002	6/17/2002	7/9/2002	8/29/2002	9/24/2002	10/10/2002	11/1/2002	12/18/2002	1/9/2003
MW-1S	449.59	5.23	4.51	4.07	4.5	4.70	4.84	6.75	8.22	8.76	8.3	6.49	4.98	4.64
MW-2S	459.44	7.82	6.39	6.11	5.9	6.56	7.26	9.01	10.06	10.49	10.1	7.65	6.71	6.83
MW-3S	456.4	3.66	3.46	3.46	3.52	3.64	3.56	4.96	5.95	6.49	6.03	3.81	3.61	3.52
MW-4S	456.19	4.17	3.63	3.72	3.8	3.80	3.84	4.99	6.86	7.67	7.09	4.6	3.98	3.92
MW-5S	457.15	4.81	3.56	3.98	4.35	4.49	4.47	5.96	8.56	9.1	9.15	6.22	4.39	4.3
MW-7S	452.25	9.33	8.05	7.62	7.3	8.35	7.74	9	11.39	12.04	12.15	11.04	9.3	8.82
MW-9S	456.38	3.93	3.81	3.73	3.77	3.81	3.78	5.03	6.35	6.86	6.35	4.9	3.87	3.83
MW-10	486.3	35.02	34.36	34.69	35.35	34.87	34.71	34.8	35.49	35.7	35.72	35.22	35.25	34.89
MW-11	502.4	51.83	51.4	51.61	51.45	51.72	51.71	51.7	52.11	52.25	52.36	52.14	52.24	51.96
MW-12	483.11	32.45	32.56	32.11	31.94	32.02	32.17	32.21	32.82	33.05	33.21	33	32.89	32.76
PZ-1	454.37	6.93	5.37	4.79	5.45	5.87	6.17	8.32	10.11	10.65	10.59	8.31	6.16	5.78

	WATER LEVEL ELEVATION (FT.)												
WELL	1/16/2002	2/26/2002	3/28/2002	4/17/2002	5/22/2002	6/17/2002	7/9/2002	8/29/2002	9/24/2002	10/10/2002	11/1/2002	12/18/2002	1/9/2003
MW-1S	444.36	445.08	445.52	445.09	444.89	444.75	442.84	441.37	440.83	441.29	443.1	444.61	444.95
MW-2S	451.62	453.05	453.33	453.54	452.88	452.18	450.43	449.38	448.95	449.34	451.79	452.73	452.61
MW-3S	452.74	452.94	452.94	452.88	452.76	452.84	451.44	450.45	449.91	450.37	452.59	452.79	452.88
MW-4S	452.02	452.56	452.47	452.39	452.39	452.35	451.20	449.33	448.52	449.1	451.59	452.21	452.27
MW-5S	452.34	453.59	453.17	452.8	452.66	452.68	451.19	448.59	448.05	448	450.93	452.76	452.85
MW-7S	442.92	444.2	444.63	444.95	443.90	444.51	443.25	440.86	440.21	440.1	441.21	442.95	443.43
MW-9S	452.45	452.57	452.65	452.61	452.57	452.60	451.35	450.03	449.52	450.03	451.48	452.51	452.55
MW-10	451.28	451.94	451.61	450.95	451.43	451.59	451.50	450.81	450.6	450.58	451.08	451.05	451.41
MW-11	450.57	451	450.79	450.95	450.68	450.69	450.70	450.29	450.15	450.04	450.26	450.16	450.44
MW-12	450.66	450.55	451	451.17	451.09	450.94	450.90	450.29	450.06	449.9	450.11	450.22	450.35
PZ-1	447.44	449	449.58	448.92	448.50	448.20	446.05	444.26	443.72	443.78	446.06	448.21	448.59

	WATER LEVEL ELEVATION DIFFERENCE (FT.) RELATIVE TO MW-12 [2]												
WELL	1/16/2002	2/26/2002	3/28/2002	4/17/2002	5/22/2002	6/17/2002	7/9/2002	8/29/2002	9/24/2002	10/10/2002	11/1/2002	12/18/2002	1/9/2003
MW-1S	6.3	5.47	5.48	6.08	6.20	6.19	8.06	8.92	9.23	8.61	7.01	5.61	5.40
MW-2S	-0.96	-2.5	-2.33	-2.37	-1.79	-1.24	0.47	0.91	1.11	0.56	-1.68	-2.51	-2.26
MW-3S	-2.08	-2.39	-1.94	-1.71	-1.67	-1.90	-0.54	-0.16	0.15	-0.47	-2.48	-2.57	-2.53
MW-4S	-1.36	-2.01	-1.47	-1.22	-1.30	-1.41	-0.30	0.96	1.54	0.80	-1.48	-1.99	-1.92
MW-5S	-1.68	-3.04	-2.17	-1.63	-1.57	-1.74	-0.29	1.70	2.01	1.90	-0.82	-2.54	-2.50
MW-7S	7.74	6.35	6.37	6.22	7.19	6.43	7.65	9.43	9.85	9.80	8.90	7.27	6.92
MW-9S	-1.79	-2.02	-1.65	-1.44	-1.48	-1.66	-0.45	0.26	0.54	-0.13	-1.37	-2.29	-2.20
MW-10	-0.62	-1.39	-0.61	0.22	-0.34	-0.65	-0.60	-0.52	-0.54	-0.68	-0.97	-0.83	-1.06
MW-11	0.09	-0.45	0.21	0.22	0.41	0.25	0.20	0.00	-0.09	-0.14	-0.15	0.06	-0.09
MW-12	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PZ-1	3.22	1.55	1.42	2.25	2.59	2.74	4.85	6.03	6.34	6.12	4.05	2.01	1.76

	WATER LEVEL ELEVATION DIFFERENCE (FT.) RELATIVE TO MW-10 [2]												
	1/16/2002	2/26/2002	3/28/2002	4/17/2002	5/22/2002	6/17/2002	7/9/2002	8/29/2002	9/24/2002	10/10/2002	11/1/2002	12/18/2002	1/9/2003
MW-1S	6.92	6.86	6.09	5.86	6.54	6.84	8.66	9.44	9.77	9.29	7.98	6.44	6.46
MW-2S	-0.34	-1.11	-1.72	-2.59	-1.45	-0.59	1.07	1.43	1.65	1.24	-0.71	-1.68	-1.20
MW-3S	-1.46	-1	-1.33	-1.93	-1.33	-1.25	0.06	0.36	0.69	0.21	-1.51	-1.74	-1.47
MW-4S	-0.74	-0.62	-0.86	-1.44	-0.96	-0.76	0.3	1.48	2.08	1.48	-0.51	-1.16	-0.86
MW-5S	-1.06	-1.65	-1.56	-1.85	-1.23	-1.09	0.31	2.22	2.55	2.58	0.15	-1.71	-1.44
MW-7S	8.36	7.74	6.98	6	7.53	7.08	8.25	9.95	10.39	10.48	9.87	8.1	7.98
MW-9S	-1.17	-0.63	-1.04	-1.66	-1.14	-1.01	0.15	0.78	1.08	0.55	-0.4	-1.46	-1.14
PZ-1	3.84	2.94	2.03	2.03	2.93	3.39	5.45	6.55	6.88	6.8	5.02	2.84	2.82

Notes:

1) Water levels were collected from one upgradient monitoring well (MW-9S), six downgradient wells (MW-1S, MW-2S, MW-3S, MW-4S, MW-5S and MW-7S), one downgradient piezometer (PZ-1) and three leachate monitoring wells (MW-10), (MW-11), (MW-12).

2) A negative number indicates an inward gradient.

APPENDIX A

ANALYTICAL DATA SUMMARY TABLES

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

	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	NYSDEC Ground Water Standard
Field Parameter																	
Conductivity (μmhos/cm)	31	103	398	89	39	39	31	23	23	34	62	37	75	67	190	58	NS
pH (s.u.)	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		6.5 - 8.5
Temperature (deg C)	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	NS
Turbidity (NTU)	**785**	**925**	**560**	**140**	**222**	**161**	**527**	**195**	**316**	**186**	**88**	**90**	**145**	**68**	**126**	**8**	5
Part 360 Leachate Indicator Parameters																	
Ammonia-Nitrogen (mg/L)	<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	2
Biochemical Oxygen Demand (BOD5) (mg/L)	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	NS
Boron (mg/L)		<0.100				<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		1
Bromide (mg/L)	<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	2
Chemical Oxygen Demand (mg/L)	52	100	25	14	12	6.7	96	19	36	26	34	14	24	45	66	9.9	NS
Chloride (mg/L)	<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	250
Color (Pt-Co)		46					**30**					**50**	**20**				15
Nitrate-Nitrogen (mg/L)	<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	10
Sulfate (mg/L)	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	250
Total Alkalinity (mg/L)	<10.0	37	84	7.8	9	1.9	15	1.2	1.4	2	12	1.9	<1.0	4	64	4	NS
Total Cyanide (mg/L)		<0.010					<0.010					<0.010	<0.010				0.2
Total Dissolved Solids (mg/L)	140	140	260	39	30	**1,900**	26	<4.0	14	56	190	<4.0	170	26	120	42	500
Total Hardness (mg/L)	19	120	136	14	23	8	16	7.7	10	8.6	20	9.8	6.6	7.3	60	7.6	NS
Total Kjeldahl Nitrogen (mg/L)	<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	NS
Total Organic Carbon (mg/L)	14	34	7	7.8	15.3	4.4	29	5.5	16	11	13	11.3	8.3	14	26	10	NS
Total Phenols (mg/L)	<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	0.001
Part 360 Metal																	
Aluminum (mg/L)		32					25					5	8.9				NS
Antimony (mg/L)		<0.015					**0.012**					<0.010	<0.010				0.003
Arsenic (mg/L)		0.018					<0.010					<0.010	<0.010				0.025
Barium (mg/L)		0.431					<0.2					<0.2	<0.2				1
Beryllium (mg/L)		<0.003					<0.010					<0.010	<0.010				0.003 (GV)
Cadmium (mg/L)	<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	0.005
Calcium (mg/L)	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	NS
Chromium (mg/L)		0.047					0.01					<0.010	<0.010				0.05
Chromium, Hexavalent (mg/L)		<0.010					<0.010					<0.010	<0.010				0.05
Cobalt (mg/L)		<0.020					<0.010					<0.010	<0.010				NS
Copper (mg/L)		0.041					0.022					<0.010	<0.010				0.2
Iron (mg/L)	**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**	0.3*
Lead (mg/L)	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	0.025
Magnesium (mg/L)	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	35 (GV)
Manganese (mg/L)	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	0.3*
Mercury (mg/L)		<0.0002					0.00053					<0.0002	0.000300				0.0007
Nickel (mg/L)		0.039					0.012					<0.010	<0.010				0.1
Potassium (mg/L)	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	NS
Selenium (mg/L)		<0.005					<0.010					<0.010	<0.010				0.01
Silver (mg/L)		<0.010					<0.010					<0.010	<0.010				0.05
Sodium (mg/L)	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	20
Thallium (mg/L)		<0.010					<0.010					<0.010	<0.010				0.0005 (GV)
Vanadium (mg/L)		0.031					0.012					<0.010	<0.010				NS

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

	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	NYSDEC Ground Water Standard
Zinc (mg/L)		0.149					0.1					0.04	0.033				2
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
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				1
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,2,3-Trichloropropane (µg/L)												<5.0	<5.0				0.04
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0				0.04
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				3
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				0.6
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				1
1,3-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				3
1,4-Dichloro-2-butene (µg/L)		<10.0					<5.0					<10.0	<10.0				5
1,4-Dichlorobenzene (µg/L)		<5.0					<10.0					<10.0	<10.0				3
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				50 (GV)
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				50 (GV)
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<20.0	<20.0				NS
Acetone (µg/L)		<10.0					<20.0					<5.0	<5.0				50 (GV)
Acrylonitrile (µg/L)		<100					<5.0					<5.0	<5.0				5
Benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				1
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Bromodichloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				50 (GV)
Bromoform (µg/L)		<5.0					<5.0					<5.0	<5.0				50 (GV)
Bromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Carbon disulfide (µg/L)		<5.0					<5.0					<5.0	<5.0				60 (GV)
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Chlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				7
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				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				0.4**
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				50 (GV)
Dibromomethane (µg/L)		<5.0					<20.0					<20.0	<10.0				5
Ethyl benzene (µg/L)		<5.0					<10.0					<10.0	<10.0				5
Iodomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Methylene Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Styrene (µg/L)							<5					<5	<5				5
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
trans-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
trans-1,3-Dichloropropene (µg/L)		<5.0					<50.0					<50.0	<10.0				0.4**
trans-1,4-Dichloro-2-butene (µg/L)							<50					<50	<10				5
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				5

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

	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	NYSDEC Ground Water Standard
Trichlorofluoromethane (μg/L)		<5.0					<5.0					<5.0	<5.0				5
Vinyl Acetate (μg/L)		<50.0					<20.0					<20.0	<20.0				NS
Vinyl Chloride (μg/L)		<5.0					<5.0					<5.0	<5.0				2
Xylenes (Total) (μg/L)		<5.0					<5.0					<5.0	<5.0				5

Notes

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

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

Parameter	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	NYSDEC
Vanadium (mg/L)		0.0457					0.075					0.042	0.051				NS
Zinc (mg/L)		0.107					0.062					0.025	0.021				2
Volatile Organics																	
1,1,1,2-Tetrachloroethane (µg/L)							<5					<5	<5				5
1,1,1-Trichloroethane (µg/L)		<5					<5					<5	<5				5
1,1,2,2-Tetrachloroethane (µg/L)		<5					<5					<5	<5				5
1,1,2-Trichloroethane (µg/L)		<5					<5					<5	<5				1
1,1-Dichloroethane (µg/L)		<5					<5					<5	<5				5
1,1-Dichloroethene (µg/L)		<5					<5					<5	<5				5
1,2,3-Trichloropropane (µg/L)							<5					<5	<5				0.04
1,2-Dibromo-3-chloropropane (µg/L)		<10					<5					<5	<5				0.04
1,2-Dibromoethane (EDB) (µg/L)		<5					<5					<5	<5				5
1,2-Dichlorobenzene (µg/L)		<5					<5					<5	<5				3
1,2-Dichloroethane (µg/L)		<5					<5					<5	<5				0.6
1,2-Dichloropropane (µg/L)		<5					<5					<5	<5				1
1,3-Dichlorobenzene (µg/L)		<5															3
1,4-Dichloro-2-butene (µg/L)		<10															5
1,4-Dichlorobenzene (µg/L)		<5					<5					<5	<5				3
2-Butanone (MEK) (µg/L)		<10					<10					<10	<10				50 (GV)
2-Hexanone (µg/L)	<10						<10					<10	<10				50 (GV)
4-Methyl 2-pentanone (µg/L)	<10						<10					<10	<10				NS
Acetone (µg/L)	21						<10					<10	<10				50 (GV)
Acrylonitrile (µg/L)	<<100						<20					<20	<20				5
Benzene (µg/L)	<5						<5					<5	<5				1
Bromochloromethane (µg/L)	<5						<5					<5	<5				5
Bromodichloromethane (µg/L)	<5											<5	<5				50 (GV)
Bromoform (µg/L)	<5						<5					<5	<5				50 (GV)
Bromomethane (µg/L)	<5						<5					<5	<5				5
Carbon disulfide (µg/L)	6						<5					<5	<5				60 (GV)
Carbon tetrachloride (µg/L)	<5						<5					<5	<5				5
Chlorobenzene (µg/L)	<5						<5					<5	<5				5
Chloroethane (µg/L)	<5						<5					<5	<5				5
Chloroform (µg/L)	<5						<5					<5	<5				7
Chloromethane (µg/L)	<5						<5					<5	<5				5
cis-1,2-Dichloroethene (µg/L)	<5						<5					<5	<5				5
cis-1,3-Dichloropropene (µg/L)	<5						<5					<5	<5				0.4**
Dibromochloromethane (µg/L)	<5						<5					<5	<5				50 (GV)
Dibromomethane (µg/L)	<5						<5					<5	<5				5
Ethyl benzene (µg/L)	<5						<5					<5	<5				5
Iodomethane (µg/L)	<5						<20					<20	<10				5
Methylene Chloride (µg/L)	<5						<10					<10	<10				5
Styrene (µg/L)							<5					<5	<5				5
Tetrachloroethene (µg/L)	<5						<5					<5	<5				5
Toluene (µg/L)	<5						<5					<5	<5				5
trans-1,2-Dichloroethene (µg/L)	<5						<5					<5	<5				5
trans-1,3-Dichloropropene (µg/L)	<5						<5					<5	<5				0.4**
trans-1,4-Dichloro-2-butene (µg/L)							<50					<50	<10				5
Trichloroethene (µg/L)	<5						<5					<5	<5				5

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

Parameter	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	NYSDEC
Trichlorofluoromethane (μg/L)		<5					<5					<5	<5				5
Vinyl Acetate (μg/L)		<50					<20					<20	<20				NS
Vinyl Chloride (μg/L)		<5					<5					<5	<5				2
Xylenes (Total) (μg/L)		<5					<5					<5	<5				5

Notes

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

City of Rome
Tannery Road Landfill
MW-4S
Ground Water 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	NYSDEC Ground Water Standard
Field Parameter																	
Conductivity (μmhos/cm)	672	1,590	2,010	444	338	334	429	374	204	247	555	177	125	161	807	163	NS
pH (s.u.)	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		6.5 - 8.5
Temperature (deg C)	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	NS
Turbidity (NTU)	**137**	**77**	**87**	**86**	**40**	**79**	**58**	**33**	**29**	**24**	**19**	**18**	**17**		**91**	0	5
Part 360 Leachate Indicator Parameters																	
Ammonia-Nitrogen (mg/L)	**26**	**<0.5**	**90**	**15**	**14**	**15**	**24**	**18**	**7.4**	**9.8**	**32**	**3.1**	**1.7**	**3.5**	**39**	**2.3**	2
Biochemical Oxygen Demand (BOD5) (mg/L)	62	6	34	24	23	<2.0	14	<20.0		12	25	<10.0	<10.0	<10.0	49	<10.0	NS
Boron (mg/L)		<0.1				0.53	0.71			<0.5	0.65	<0.5	<0.5	<0.5	**1.1**		1
Bromide (mg/L)	<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	2
Chemical Oxygen Demand (mg/L)	540	44	22	110	120	110	160	140	110	98	160	88	62	84	230	44	NS
Chloride (mg/L)	50	3	200	23	100	2.7	21	16	7.1	8.7	43	5.6	4.5	5.3	99	4.6	250
Color (Pt-Co)		140					**250**					**300**	**250**				15
Nitrate-Nitrogen (mg/L)	<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	10
Sulfate (mg/L)	24	32	11	56	52	28	40	35	11	17	49	27	17	15	20	39	250
Total Alkalinity (mg/L)	200	120	660	110	99	99	140	100	57	91	170	23	27	48	280	20	NS
Total Cyanide (mg/L)		<0.01					<0.01					<0.01	<0.01				0.2
Total Dissolved Solids (mg/L)	320	**5,100**	**810**	330	240	160	340	250	170	200	300	180	160	150	**530**	130	500
Total Hardness (mg/L)	42	110	94	49	36	41	46	44	31	40	56	42	34	36	77	42	NS
Total Kjeldahl Nitrogen (mg/L)	26	0.8	70	4.6	12	23	24	20	8.2	12	34	4.6	2.1	4.9	47	2.4	NS
Total Organic Carbon (mg/L)	71	21	47.8	35.5	39.3	45	56	62	42	43	61	33	30	41	84	21	NS
Total Phenols (mg/L)	**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**	0.001
Part 360 Metal																	
Aluminum (mg/L)		2.77					1.8					1.1	1.2				NS
Antimony (mg/L)		<0.015					<0.01					<0.01	<0.01				0.003
Arsenic (mg/L)		**0.027**					<0.01					<0.01	<0.01				0.025
Barium (mg/L)		0.0855					<0.2					<0.2	<0.2				1
Beryllium (mg/L)		<0.003					<0.01					<0.01	<0.01				0.003 (GV)
Cadmium (mg/L)	<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	0.005
Calcium (mg/L)	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	NS
Chromium (mg/L)		0.0097					<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)		<0.02					<0.01					<0.01	<0.01				NS
Copper (mg/L)		0.0258					<0.01					<0.01	<0.01				0.2
Iron (mg/L)	**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**	0.3*
Lead (mg/L)	<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	0.025
Magnesium (mg/L)	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	35 (GV)
Manganese (mg/L)	**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	0.3*
Mercury (mg/L)		<0.0002					<0.0002					<0.0002	<0.0002				0.0007
Nickel (mg/L)		<0.03					0.021					<0.01	<0.01				0.1
Potassium (mg/L)	28.6	4.86	57	34.2	24.1	33	31	35	16	24	33	14	9.7	11	42	13	NS
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01				0.01
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01				0.05
Sodium (mg/L)	**35.8**	3.43	**150**	**27.9**	18.1	21	**32**	18	7.4	13	46	5.7	5.2	4	81	4.6	20
Thallium (mg/L)		<0.01					<0.01					<0.01	<0.01				0.0005 (GV)
Vanadium (mg/L)		<0.3					0.011					<0.01	<0.01				NS
Zinc (mg/L)		0.0508					0.032					0.012	0.024				2

City of Rome
Tannery Road Landfill
MW-4S
Ground Water 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	NYSDEC Ground Water Standard
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
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				1
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,2,3-Trichloropropane (µg/L)							<5.0					<5.0	<5.0				0.04
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0				0.04
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				3
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				0.6
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				1
1,3-Dichlorobenzene (µg/L)		<5.0															3
1,4-Dichloro-2-butene (µg/L)		<10.0															5
1,4-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				3
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				50 (GV)
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				50 (GV)
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<10.0	<10.0				NS
Acetone (µg/L)		<10.0					<10.0					<10.0	<10.0				50 (GV)
Acrylonitrile (µg/L)		<100.0					<20.0					<20.0	<20.0				5
Benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				1
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Bromodichloromethane (µg/L)	<5.0											<5.0	<5.0				50 (GV)
Bromoform (µg/L)	<5.0		<5.0									<5.0	<5.0				50 (GV)
Bromomethane (µg/L)	<5.0		<5.0									<5.0	<5.0				5
Carbon disulfide (µg/L)	<5.0		<5.0									<5.0	<5.0				60 (GV)
Carbon tetrachloride (µg/L)	<5.0		<5.0									<5.0	<5.0				5
Chlorobenzene (µg/L)	<5.0		<5.0									<5.0	<5.0				5
Chloroethane (µg/L)	<5.0		<5.0									<5.0	<5.0				5
Chloroform (µg/L)	<5.0		<5.0									<5.0	<5.0				7
Chloromethane (µg/L)	<5.0		<5.0									<5.0	<5.0				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				0.4**
Dibromochloromethane (µg/L)	<5.0		<5.0									<5.0	<5.0				50 (GV)
Dibromomethane (µg/L)	<5.0		<5.0									<5.0	<5.0				5
Ethyl benzene (µg/L)	<5.0		<5.0									<5.0	<5.0				5
Iodomethane (µg/L)	<5.0		<20.0									<20.0	<10.0				5
Methylene Chloride (µg/L)	<5.0		<10.0									<10.0	<10.0				5
Styrene (µg/L)			<5.0									<5.0	<5.0				5
Tetrachloroethene (µg/L)	<5.0		<5.0									<5.0	<5.0				5
Toluene (µg/L)	<5.0		<5.0									<5.0	<5.0				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				0.4**
trans-1,4-Dichloro-2-butene (µg/L)			<50.0									<50.0	<10.0				5
Trichloroethene (µg/L)	<5.0		<5.0									<5.0	<5.0				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				NS
Vinyl Chloride (µg/L)	<5.0		<5.0									<5.0	<5.0				2
Xylenes (Total) (µg/L)	<5.0		<5.0									<5.0	<5.0				5

City of Rome
Tannery Road Landfill
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Ground Water 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	NYSDEC Ground Water Standard

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	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	NYSDEC Ground Water Standard
Field Parameter																	
Conductivity (μmhos/cm)	869	340	308	195	540	230	167	219	456	163	433	227	232	223	112	252	NS
pH (s.u.)	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 - 8.5
Temperature (deg C)	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	NS
Turbidity (NTU)	**64**	**533**	**204**	**162**	**74**	**55**	**198**	**46**	**35**	**42**	**68**	**36**	**47**		**837**	0	5
Part 360 Leachate Indicator Parameters																	
Ammonia-Nitrogen (mg/L)	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	2
Biochemical Oxygen Demand (BOD5) (mg/L)	11	11	2	2	62	20	<2.0	<4.0		<4.0	4.7	<4.0	<4.0	<4.0	9.5	<4.0	NS
Boron (mg/L)		<0.1				<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		1
Bromide (mg/L)	<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	2
Chemical Oxygen Demand (mg/L)	71	45	32	20	36	24	32	26	37	5.2	43	23	31	18	62	20	NS
Chloride (mg/L)	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	250
Color (Pt-Co)		**110**					**30**					**75**	**150**				15
Nitrate-Nitrogen (mg/L)	<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	10
Sulfate (mg/L)	37	40	28	31	51	16	44	60	42	34	53	36	23	18	21	23	250
Total Alkalinity (mg/L)	470	170	300	58	260	120	52	47	200	50	190	68	82	80	40	110	NS
Total Cyanide (mg/L)		<0.01										<0.01	<0.01				0.2
Total Dissolved Solids (mg/L)	430	130	230	150	360	730	140	150	300	120	240	200	78	110	180	170	500
Total Hardness (mg/L)	320	130	148	81	228	120	96	110	200	78	230	110	110	93	110	120	NS
Total Kjeldahl Nitrogen (mg/L)	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	NS
Total Organic Carbon (mg/L)	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	NS
Total Phenols (mg/L)	<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	0.001
Part 360 Metal																	
Aluminum (mg/L)		3.2					2					0.41	0.54				NS
Antimony (mg/L)		<0.015					**0.022**					<0.01	<0.01				0.003
Arsenic (mg/L)		0.0138					<0.01					<0.01	0.013				0.025
Barium (mg/L)		0.0655					<0.2					<0.2	<0.2				1
Beryllium (mg/L)		<0.003					<0.01					<0.01	<0.01				0.003 (GV)
Cadmium (mg/L)	<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	0.005
Calcium (mg/L)	97.8	35	43	23.3	69.9	35	27	31	64	23	72	35	35	30	27	41	NS
Chromium (mg/L)		0.0109					<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)		<0.02					<0.01					<0.01	<0.01				NS
Copper (mg/L)		0.0295					0.014					<0.01	<0.01				0.2
Iron (mg/L)	**31.4**	**20.8**	**14.2**	**9.3**	**24.8**	**7.6**	**11**	**8**	**15**	**10**	**15**	**6.1**	**12**	**8.2**	**97**	**11**	0.3*
Lead (mg/L)	<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	0.025
Magnesium (mg/L)	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	35 (GV)
Manganese (mg/L)	**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**	0.3*
Mercury (mg/L)		<0.0002					**0.0027**					<0.0002	<0.0002				0.0007
Nickel (mg/L)		<0.03					<0.01					<0.01	<0.01				0.1
Potassium (mg/L)	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	NS
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01				0.01
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01				0.05
Sodium (mg/L)	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	20
Thallium (mg/L)		<0.01					<0.01					<0.01	<0.01				0.0005 (GV)
Vanadium (mg/L)		<0.3					<0.01					<0.01	<0.01				NS

City of Rome
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Ground Water 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	NYSDEC Ground Water Standard
Zinc (mg/L)		0.0827					0.058					0.013	0.032				2
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
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				1
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,2,3-Trichloropropane (µg/L)							<5.0					<5.0	<5.0				0.04
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0				0.04
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				3
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				0.6
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				1
1,3-Dichlorobenzene (µg/L)		<5.0															3
1,4-Dichloro-2-butene (µg/L)		<10.0															5
1,4-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				3
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				50 (GV)
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				50 (GV)
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<10.0	<10.0				NS
Acetone (µg/L)		<10.0					<10.0					<10.0	<10.0				50 (GV)
Acrylonitrile (µg/L)		<100.0					<20.0					<20.0	<20.0				5
Benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				1
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Bromodichloromethane (µg/L)		<5.0										<5.0	<5.0				50 (GV)
Bromoform (µg/L)		<5.0					<5.0					<5.0	<5.0				50 (GV)
Bromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Carbon disulfide (µg/L)		<5.0					<5.0					<5.0	<5.0				60 (GV)
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Chlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				7
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				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				0.4**
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				50 (GV)
Dibromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Ethyl benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Iodomethane (µg/L)		<5.0					<20.0					<20.0	<10.0				5
Methylene Chloride (µg/L)		<5.0					<10.0					<10.0	<10.0				5
Styrene (µg/L)							<5.0					<5.0	<5.0				5
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				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				0.4**
trans-1,4-Dichloro-2-butene (µg/L)							<50.0					<50.0	<10.0				5
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				5

City of Rome
Tannery Road Landfill
MW-5S
Ground Water 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	NYSDEC Ground Water Standard
Trichlorofluoromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Vinyl Acetate (µg/L)		<50.0					<20.0					<20.0	<20.0				NS
Vinyl Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				2
Xylenes (Total) (µg/L)		<5.0					<5.0					<5.0	<5.0				5

Notes

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

City of Rome
Tannery Road Landfill
MW-7D
Ground Water Analtyical 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	NYSDEC Ground Water Standard
Field Parameters																	
Conductivity (μmhos/cm)	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	NS
pH (s.u.)	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**		6.5 - 8.5
Temperature (deg C)	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	NS
Turbidity (NTU)	**160**	**42**	**94**	**247**	**128**	**83**	**98**	**62**	**97**	**112**	**152**	**53**	**29**		**345**	**61**	5
Part 360 Leachate Indicator Parameters																	
Ammonia-Nitrogen (mg/L)	**47**	**25**	**47**	**36**	**33**	**58**	**41**	**37**	**46**	**40**	**47**	**39**	**43**	**46**	**22**	**34**	2
Biochemical Oxygen Demand (BOD5) (mg/L)	19	17	17	11	11	4.4	10	<20.0		13	14	<20.0	<20.0	<10.0	9.3	<20.0	NS
Boron (mg/L)		0.7				**1.7**	**1.2**			<0.5	0.83	<0.5	0.99	0.83	<0.5		1
Bromide (mg/L)	<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	2
Chemical Oxygen Demand (mg/L)	570	140	14	110	120	150	140	120	140	120	120	120	130	130	150	100	NS
Chloride (mg/L)	81	70	88	84	68	3.3	65	59	**74**	62	46	56	76	72	21	**7**	250
Color (Pt-Co)		**280**					**750**					**850**	**750**				15
Nitrate-Nitrogen (mg/L)	<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	10
Sulfate (mg/L)	<5.0	35	12	28	34	9.3	41	44	35	47	45	52	58	61	47	8.6	250
Total Alkalinity (mg/L)	670	370	710	470	450	680	460	440	430	470	430	390	460	470	160	360	NS
Total Cyanide (mg/L)		<0.01					<0.01					<0.01	<0.01				0.2
Total Dissolved Solids (mg/L)	**540**	**540**	**710**	**660**	**610**	**400**	**590**	**600**	**670**	**570**	480	**650**	**720**	**650**	420	**520**	500
Total Hardness (mg/L)	300	260	350	310	244	390	320	270	280	270	260	250	270	280	140	240	NS
Total Kjeldahl Nitrogen (mg/L)	44	36	36	24	26	680	50	51	52	43	50	39	50	44	26	36	NS
Total Organic Carbon (mg/L)	55	48	45.9	38.5	38.1	60	48	55	49	44	43	47	50	46	50	41	NS
Total Phenols (mg/L)	**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**	0.001
Part 360 Metals																	
Aluminum (mg/L)		0.439					1					1.2	0.83				NS
Antimony (mg/L)		<0.015					**0.034**					<0.01	<0.01				0.003
Arsenic (mg/L)		<0.01					0.011					<0.01	<0.01				0.025
Barium (mg/L)		0.217					<0.2					0.43	0.49				1
Beryllium (mg/L)		<0.003					<0.01					<0.01	<0.01				0.003 (GV)
Cadmium (mg/L)	<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	0.005
Calcium (mg/L)	62.9	61.1	74.9	64.2	56.4	87	77	66	70	66	64	65	71	71	35	63	NS
Chromium (mg/L)		<0.005					<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)		<0.02					<0.01					<0.01	<0.01				NS
Copper (mg/L)		<0.01					<0.01					0.022	<0.01				0.2
Iron (mg/L)	**41.1**	**39.2**	**40.8**	**37.7**	**33.2**	**53**	**45**	**38**	**41**	**42**	**39**	**40**	**40**	**40**	**35**	**34**	0.3*
Lead (mg/L)	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	0.025
Magnesium (mg/L)	33.6	25.9	**39.5**	**36.5**	25.1	**41**	32	25	25	25	25	22	24	25	14	20	35 (GV)
Manganese (mg/L)	**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**	0.3*
Mercury (mg/L)		<0.0002					<0.0002					<0.0002	<0.0002				0.0007
Nickel (mg/L)		<0.03					<0.01					<0.01	<0.01				0.1
Potassium (mg/L)	54.8	40.9	48	50.5	38.4	60	46	66	43	39	41	37	40	43	23	40	NS
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01				0.01
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01				0.05
Sodium (mg/L)	**46.1**	**39.6**	**60**	**55.5**	**50.5**	**83**	**64**	**48**	**54**	**56**	**59**	**50**	**53**	**57**	15	**37**	20
Thallium (mg/L)		**0.0105**					<0.01					<0.01	<0.01				0.0005 (GV)
Vanadium (mg/L)		<0.3					0.013					0.013	0.01				NS

City of Rome
Tannery Road Landfill
MW-7D
Ground Water Analtyical 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	NYSDEC Ground Water Standard
Zinc (mg/L)		0.056					0.067					0.036	0.034				2
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
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				1
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,2,3-Trichloropropane (µg/L)							<5.0					<5.0	<5.0				0.04
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0				0.04
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				3
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				0.6
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				1
1,3-Dichlorobenzene (µg/L)		<5.0															3
1,4-Dichloro-2-butene (µg/L)		<10.0															5
1,4-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				3
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				50 (GV)
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				50 (GV)
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<10.0	<10.0				NS
Acetone (µg/L)		<10.0					<10.0					<10.0	<10.0				50 (GV)
Acrylonitrile (µg/L)		<100.0					<20.0					<20.0	<20.0				5
Benzene (µg/L)		<5.0					**14**					**17**	**24**				1
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Bromodichloromethane (µg/L)		<5.0										<5.0	<5.0				50 (GV)
Bromoform (µg/L)		<5.0					<5.0					<5.0	<5.0				50 (GV)
Bromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Carbon disulfide (µg/L)		<18.0					<5.0					<5.0	<5.0				60 (GV)
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Chlorobenzene (µg/L)		**23**					**8.4**					**5.8**	**5.3**				5
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				7
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				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				0.4**
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				50 (GV)
Dibromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Ethyl benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Iodomethane (µg/L)		<5.0					<20.0					<20.0	<10.0				5
Methylene Chloride (µg/L)		<5.0					<10.0					<10.0	<10.0				5
Styrene (µg/L)							<5.0					<5.0	<5.0				5
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				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				0.4**
trans-1,4-Dichloro-2-butene (µg/L)							<50.0					<50.0	<10.0				5
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				5

City of Rome
Tannery Road Landfill
MW-7D
Ground Water Analtyical 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	NYSDEC Ground Water Standard
Trichlorofluoromethane (μg/L)		<5.0					<5.0					<5.0	<5.0				5
Vinyl Acetate (μg/L)		<50.0					<20.0					<20.0	<20.0				NS
Vinyl Chloride (μg/L)		<5.0					<5.0					<5.0	<5.0				2
Xylenes (Total) (μg/L)		2					**16**					**130**	**180**				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	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	NYSDEC Ground Water Standard
Field Parameters																	
Conductivity (μmhos/cm)	485	398	369	411	413	414	411	411	419	365	390	408	435	415	377	410	NS
pH (s.u.)	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		6.5 - 8.5
Temperature (deg C)	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	NS
Turbidity (NTU)	**999**	**324**	**659**	**999**	**999**	**999**	**999**	**999**	**999**	**704**	**241**	**466**	**460**	**501**	**999**	**506**	5
Part 360 Leachate Indicator Parameters																	
Ammonia-Nitrogen (mg/L)	<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	2
Biochemical Oxygen Demand (BOD5) (mg/L)	<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	NS
Boron (mg/L)		<0.1				<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		1
Bromide (mg/L)	<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	2
Chemical Oxygen Demand (mg/L)	160	120	26	76	64	74	160	120	96	120	72	75	290	75	87	64	NS
Chloride (mg/L)	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	250
Color (Pt-Co)		**530**					**400**					**600**	**850**				15
Nitrate-Nitrogen (mg/L)	<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	10
Sulfate (mg/L)	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	250
Total Alkalinity (mg/L)	230	260	1400	260	270	240	270	280	230	260	240	210	240	250	230	250	NS
Total Cyanide (mg/L)		<0.01					<0.01					<0.01	<0.01				0.2
Total Dissolved Solids (mg/L)	420	260	360	340	340	390	420	400	360	380	240	430	360	340	330	380	500
Total Hardness (mg/L)	1100	530	477.2904	489.5396	466	610	720	700	1200	300	420	390	460	360	650	730	NS
Total Kjeldahl Nitrogen (mg/L)	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	NS
Total Organic Carbon (mg/L)	30	29	28.6	38.5	32.6	32	31	36	35	30	29	32	29	31	32	26	NS
Total Phenols (mg/L)	<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	0.001
Part 360 Metals																	
Aluminum (mg/L)		23.9					<0.01					12	12				NS
Antimony (mg/L)		<0.015					**0.048**					<0.01	<0.01				0.003
Arsenic (mg/L)		<0.01					<0.01					0.016	0.019				0.025
Barium (mg/L)		0.201					0.23					<0.2	<0.2				1
Beryllium (mg/L)		<0.003					<0.01					<0.01	<0.01				0.003 (GV)
Cadmium (mg/L)	**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	0.005
Calcium (mg/L)	307	142	142	138	138	160	190	180	300	88	120	110	130	100	170	200	NS
Chromium (mg/L)		**0.0592**					<0.01					0.02	0.022				0.05
Chromium, Hexavalent (mg/L)		<0.01					<0.01					<0.01	<0.01				0.05
Cobalt (mg/L)		<0.02					0.024					<0.01	<0.01				NS
Copper (mg/L)		0.0845					0.092					0.036	0.027				0.2
Iron (mg/L)	**85.3**	**47.8**	**28.2**	**26.8**	**14.3**	**37**	**56**	**56**	**110**	**21**	**30**	**24**	**29**	**26**	**48**	**52**	0.3*
Lead (mg/L)	**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**	0.025
Magnesium (mg/L)	**83.9**	**43.5**	29.8	**35.2**	29.4	**48**	**58**	**60**	**100**	19	29	28	34	26	**53**	**60**	35 (GV)
Manganese (mg/L)	**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**	0.3*
Mercury (mg/L)		<0.0002					<0.0002					<0.0002	<0.0002				0.0007
Nickel (mg/L)		0.0726					0.071					0.027	0.034				0.1
Potassium (mg/L)	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	NS
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01				0.01
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01				0.05
Sodium (mg/L)	**49.3**	**39.3**	**30**	**41.7**	**46**	**46**	**49**	**53**	**55**	**48**	**33**	**43**	**55**	**57**	**38**	**40**	20
Thallium (mg/L)		<0.01					<0.01					<0.01	<0.01				0.0005 (GV)

City of Rome
Tannery Road Landfill
MW-9S
Ground Water 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	NYSDEC Ground Water Standard
Vanadium (mg/L)		0.047					0.048					0.023	0.024				NS
Zinc (mg/L)		0.184					0.2					0.063	0.081				2
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
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				1
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,2,3-Trichloropropane (µg/L)							<5.0					<5.0	<5.0				0.04
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0				0.04
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				3
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				0.6
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				1
1,3-Dichlorobenzene (µg/L)		<5.0															3
1,4-Dichloro-2-butene (µg/L)		<10.0															5
1,4-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				3
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				50 (GV)
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				50 (GV)
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<10.0	<10.0				NS
Acetone (µg/L)		<10.0					<10.0					<10.0	<10.0				50 (GV)
Acrylonitrile (µg/L)		<100.0					<20.0					<20.0	<20.0				5
Benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				1
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Bromodichloromethane (µg/L)		<5.0										<5.0	<5.0				50 (GV)
Bromoform (µg/L)		<5.0					<5.0					<5.0	<5.0				50 (GV)
Bromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Carbon disulfide (µg/L)		<5.0					<5.0					<5.0	<5.0				60 (GV)
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Chlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				7
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				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				0.4**
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				50 (GV)
Dibromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Ethyl benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Iodomethane (µg/L)		<5.0					<20.0					<20.0	<10.0				5
Methylene Chloride (µg/L)		<5.0					<10.0					<10.0	<10.0				5
Styrene (µg/L)							<5.0					<5.0	<5.0				5
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				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				0.4**

City of Rome
Tannery Road Landfill
MW-9S
Ground Water 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	NYSDEC Ground Water Standard
trans-1,4-Dichloro-2-butene (µg/L)							<50.0					<50.0	<10.0				5
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				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				NS
Vinyl Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				2
Xylenes (Total) (µg/L)		<5.0					<5.0					<5.0	<5.0				5

Notes

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

City of Rome
Tannery Road Landfill
Leachate Well MW-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	NYSDEC Ground Water Standard
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	NS
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		6.5 - 8.5
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	NS
Turbidity (NTU)	**228**	**368**	**678**	**650**	**351**	**153**	**268**	**180**	**150**	**432**	**315**	**125**	**53**	**25**	**350**	**243**	5
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**	2
Biochemical Oxygen Demand (BOD5) (mg/L)	17	34	16	16	34	37	30	29		5.5	40	25	<20.0	18	46	37	NS
Boron (mg/L)		**2.7**				**3.4**	**3.4**			**2.3**	**2.8**	**3**	**3.1**	**3**	**3**		1
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**	2
Chemical Oxygen Demand (mg/L)	170	370	<10.0	270	380	400	440	440	360	170	31	240	97	280	410	400	NS
Chloride (mg/L)	**280**	**330**	**320**	**330**	**370**	**500**	**410**	**510**	**320**	**330**	**460**	**330**	**350**	**340**	**470**	**460**	250
Color (Pt-Co)		**580**					300					**750**	**1500**				15
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	10
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	250
Total Alkalinity (mg/L)	1400	1600	280	1400	990	990	1800	1800	1300	1700	1800	1800	1600	1800	1800	1700	NS
Total Cyanide (mg/L)		<0.01					<0.01					<0.01	<0.01				0.2
Total Dissolved Solids (mg/L)	**1500**	**1400**	**1630**	**1750**	**1830**	**2100**	**1900**	**2000**	**1800**	**1700**	**1700**	**2000**	**1700**	**1900**	**1900**	**1800**	500
Total Hardness (mg/L)	652	620	831	635	596	540	620	630	620	620	660	580	650	620	630	660	NS
Total Kjeldahl Nitrogen (mg/L)	160	180	170	160	200	260	280	270	210	190	230	250	210	200	240	220	NS
Total Organic Carbon (mg/L)	89	90	270	107	37.3	140	120	150	130	130	140	120	150	160	160	180	NS
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**	0.001
Part 360 Metals																	
Aluminum (mg/L)		0.854					2.1					1.8	0.7				NS
Antimony (mg/L)		<0.015					**0.031**					<0.01	<0.01				0.003
Arsenic (mg/L)		<0.01					<0.01					0.013	0.02				0.025
Barium (mg/L)		0.351					0.4					0.4	0.35				1
Beryllium (mg/L)		<0.003					<0.01					<0.01	<0.01				0.003 (GV)
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	0.005
Calcium (mg/L)	133	120	172	117	110	93	110	110	110	100	120	100	110	110	110	120	NS
Chromium (mg/L)		<0.005					0.019					0.012	<0.01				0.05
Chromium, Hexavalent (mg/L)		<0.01					<0.01					<0.01	<0.01				0.05
Cobalt (mg/L)		<0.02					0.014					0.012	<0.01				NS
Copper (mg/L)		<0.01					0.014					<0.01	<0.01				0.2
Iron (mg/L)	**57.2**	**54.9**	**58.4**	**57.1**	**51.6**	**52**	**59**	**59**	**58**	**56**	**65**	**54**	**55**	**50**	**57**	**54**	0.3*
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	0.025
Magnesium (mg/L)	**77.8**	**76.8**	**97.6**	**83.4**	**78**	**76**	**84**	**89**	**82**	**86**	**90**	**80**	**88**	**86**	**88**	**90**	35 (GV)
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**	0.3*
Mercury (mg/L)		<0.0002					<0.0002					0.0003	0.005				0.0007
Nickel (mg/L)		<0.03					0.039					0.031	0.024				0.1
Potassium (mg/L)	167	190	190	160	180	260	260	300	190	210	200	220	210	220	220	210	NS
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01				0.01
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01				0.05
Sodium (mg/L)	**246**	**285**	**310**	**240**	**280**	**350**	**340**	**480**	**340**	**450**	**400**	**280**	**440**	**430**	**410**	**430**	20
Thallium (mg/L)		<0.01					<0.01					<0.1	<0.01				0.0005 (GV)
Vanadium (mg/L)		<0.3					0.02					0.02	0.012				NS

City of Rome
Tannery Road Landfill
Leachate Well MW-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	NYSDEC Ground Water Standard
Zinc (mg/L)		0.0388					0.13					0.071	0.022				2
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
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				1
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
1,2,3-Trichloropropane (µg/L)							<5.0					<5.0	<5.0				0.04
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0				0.04
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				3
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				0.6
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				1
1,3-Dichlorobenzene (µg/L)		<5.0															3
1,4-Dichloro-2-butene (µg/L)		<10.0															5
1,4-Dichlorobenzene (µg/L)		1					<5.0					<5.0	<5.0				3
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				50 (GV)
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				50 (GV)
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<10.0	<10.0				NS
Acetone (µg/L)		<10.0					15					<10.0	16				50 (GV)
Acrylonitrile (µg/L)		<100.0					<20.0					<20.0	<20.0				5
Benzene (µg/L)		**10**					**43**					**33**	**35**				1
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Bromodichloromethane (µg/L)		<5.0										<5.0	<5.0				50 (GV)
Bromoform (µg/L)		<5.0					<5.0					<5.0	<5.0				50 (GV)
Bromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Carbon disulfide (µg/L)		<68					<5.0					<5.0	<5.0				60 (GV)
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Chlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				7
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				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				0.4**
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				50 (GV)
Dibromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Ethyl benzene (µg/L)		2					<5.0					<5.0	<5.0				5
Iodomethane (µg/L)		<5.0					<20.0					<20.0	<10.0				5
Methylene Chloride (µg/L)		<5.0					<10.0					<10.0	<10.0				5
Styrene (µg/L)							<5.0					<5.0	<5.0				5
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				5
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				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				0.4**
trans-1,4-Dichloro-2-butene (µg/L)							<50.0					<50.0	<10.0				5
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				5

City of Rome
Tannery Road Landfill
Leachate Well MW-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	NYSDEC Ground Water Standard
Trichlorofluoromethane (μg/L)		<5.0					<5.0					<5.0	<5.0				5
Vinyl Acetate (μg/L)		<50.0					<20.0					<20.0	<20.0				NS
Vinyl Chloride (μg/L)		<5.0					<5.0					<5.0	<5.0				2
Xylenes (Total) (μg/L)		**15**					**41**					**26**	**17**				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

APPENDIX B

LABORATORY REPORTING SHEETS

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-1S **LSL Sample ID:** 0203919-001

Location: Tannery Road Landfill

Sampled: 03/28/02 15:18 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 110.2, Color					
Apparent Color	20	Units		3/29/02 09:29	DWK
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	6.6	mg/l	4/1/02	4/1/02	PEF
(1) EPA 245.1Total Mercury					
Mercury	0.0003	mg/l	4/8/02	4/9/02	SCO
A trace amount of this analyte was detected in the laboratory blank.					
(1) EPA 335.2 Total Cyanide					
Cyanide, Total	<0.01	mg/l	4/3/02	4/3/02	DRB
(1) EPA 350.1 Ammonia					
Ammonia as N	<0.03	mg/l		4/8/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.13	mg/l	4/2/02	4/3/02	DRB
This result has been blank corrected.					
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		3/29/02 11:47	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	<0.002	mg/l	4/5/02	4/10/02	DWK
(1) EPA 6010 Total Metals					
Boron	<0.5	mg/l	4/1/02	4/1/02	PEF
Potassium	<1	mg/l	4/1/02	4/1/02	PEF
Iron	4.5	mg/l	4/1/02	4/1/02	PEF
Manganese	0.11	mg/l	4/1/02	4/1/02	PEF
Magnesium	<1	mg/l	4/1/02	4/1/02	PEF
Lead	<0.01	mg/l	4/1/02	4/1/02	PEF
Cadmium	<0.01	mg/l	4/1/02	4/1/02	PEF
Aluminum	8.9	mg/l	4/1/02	4/1/02	PEF
Calcium	1.0	mg/l	4/1/02	4/1/02	PEF
Antimony	<0.01	mg/l	4/1/02	4/1/02	PEF
Arsenic	<0.01	mg/l	4/1/02	4/1/02	PEF
Beryllium	<0.01	mg/l	4/1/02	4/1/02	PEF
Barium	<0.2	mg/l	4/1/02	4/1/02	PEF
Sodium	2.8	mg/l	4/1/02	4/1/02	PEF
Chromium	<0.01	mg/l	4/1/02	4/1/02	PEF
Copper	<0.01	mg/l	4/1/02	4/1/02	PEF
Nickel	<0.01	mg/l	4/1/02	4/1/02	PEF
Selenium	<0.01	mg/l	4/1/02	4/1/02	PEF
Silver	<0.01	mg/l	4/1/02	4/1/02	PEF
Thallium	<0.01	mg/l	4/1/02	4/1/02	PEF
Zinc	0.033	mg/l	4/1/02	4/1/02	PEF
Cobalt	<0.01	mg/l	4/1/02	4/1/02	PEF
Vanadium	<0.01	mg/l	4/1/02	4/1/02	PEF
(1) EPA 8260B TCL Volatiles (Modified List)					
Acetone	<10	ug/l		4/8/02	LEF

Life Science Laboratories, Inc.

Date Printed: 4/15/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-1S **LSL Sample ID:** 0203919-001

Location: Tannery Road Landfill

Sampled: 03/28/02 15:18 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Surrogate (Tol-d8)	100	%R		4/8/02	LEF
Surrogate (1,2-DCA-d4)	111	%R		4/8/02	LEF
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		3/29/02	RAF
Chloride	2.7	mg/l		3/29/02	RAF
Nitrate as N	0.15	mg/l		3/29/02 20:17	RAF
Sulfate	7.0	mg/l		3/29/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	24	mg/l	4/8/02	4/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	<1	mg/l		4/10/02	SCO
(1) SM 18 3500Cr-D Hexavalent Chromium					
Chromium, Hexavalent	N/A			3/29/02 07:14	DWK
(1) SM 19 5310C TOC					
Total Organic Carbon	8.3	mg/l		4/11/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	170	mg/l		4/1/02	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-3S **LSL Sample ID:** 0203919-002

Location:

Sampled: 03/28/02 11:48 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Bromochloromethane	<5	ug/l		4/8/02	LEF
Bromodichloromethane	<5	ug/l		4/8/02	LEF
Bromoform	<5	ug/l		4/8/02	LEF
Bromomethane	<5	ug/l		4/8/02	LEF
2-Butanone (MEK)	<10	ug/l		4/8/02	LEF
Carbon disulfide	<5	ug/l		4/8/02	LEF
Carbon tetrachloride	<5	ug/l		4/8/02	LEF
Chlorobenzene	<5	ug/l		4/8/02	LEF
Chloroethane	<5	ug/l		4/8/02	LEF
Chloromethane	<5	ug/l		4/8/02	LEF
Chloroform	<5	ug/l		4/8/02	LEF
Dibromochloromethane	<5	ug/l		4/8/02	LEF
1,2-Dibromo-3-chloropropane	<5	ug/l		4/8/02	LEF
1,2-Dibromoethane(EDB)	<5	ug/l		4/8/02	LEF
Dibromomethane	<5	ug/l		4/8/02	LEF
1,2-Dichlorobenzene	<5	ug/l		4/8/02	LEF
1,4-Dichlorobenzene	<5	ug/l		4/8/02	LEF
trans-1,4-Dichloro-2-butene	<10	ug/l		4/8/02	LEF
1,1-Dichloroethane	<5	ug/l		4/8/02	LEF
1,2-Dichloroethane	<5	ug/l		4/8/02	LEF
1,1-Dichloroethene	<5	ug/l		4/8/02	LEF
cis-1,2-Dichloroethene	<5	ug/l		4/8/02	LEF
trans-1,2-Dichloroethene	<5	ug/l		4/8/02	LEF
1,2-Dichloropropane	<5	ug/l		4/8/02	LEF
cis-1,3-Dichloropropene	<5	ug/l		4/8/02	LEF
trans-1,3-Dichloropropene	<5	ug/l		4/8/02	LEF
Ethyl benzene	<5	ug/l		4/8/02	LEF
2-Hexanone	<10	ug/l		4/8/02	LEF
Iodomethane (Methyl iodide)	<10	ug/l		4/8/02	LEF
Methylene chloride	<10	ug/l		4/8/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/l		4/8/02	LEF
Styrene	<5	ug/l		4/8/02	LEF
1,1,1,2-Tetrachloroethane	<5	ug/l		4/8/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/l		4/8/02	LEF
Tetrachloroethene	<5	ug/l		4/8/02	LEF
Toluene	<5	ug/l		4/8/02	LEF
1,1,1-Trichloroethane	<5	ug/l		4/8/02	LEF
1,1,2-Trichloroethane	<5	ug/l		4/8/02	LEF
Trichloroethene	<5	ug/l		4/8/02	LEF
Trichlorofluoromethane (Freon 11)	<5	ug/l		4/8/02	LEF
1,2,3-Trichloropropane	<5	ug/l		4/8/02	LEF
Vinyl acetate	<20	ug/l		4/8/02	LEF
Vinyl chloride	<5	ug/l		4/8/02	LEF
Xylenes (Total)	<5	ug/l		4/8/02	LEF
Surrogate (4-BFB)	100	%R		4/8/02	LEF
Surrogate (Tol-d8)	101	%R		4/8/02	LEF
Surrogate (1,2-DCA-d4)	110	%R		4/8/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: MW-4S **LSL Sample ID:** 0203919-003

Location:

Sampled: 03/28/02 11:15 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 110.2, Color					
Apparent Color	250	Units		3/29/02 09:29	DWK
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	34	mg/l	4/1/02	4/1/02	PEF
(1) EPA 245.1Total Mercury					
Mercury	<0.0002	mg/l	4/8/02	4/9/02	SCO
(1) EPA 335.2 Total Cyanide					
Cyanide, Total	<0.01	mg/l	4/3/02	4/3/02	DRB
(1) EPA 350.1 Ammonia					
Ammonia as N	1.7	mg/l		4/8/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	2.1	mg/l	4/5/02	4/8/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<10	mg/l		3/29/02 11:57	MM
This result should be considered an estimate due to low oxygen depletion.					
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.0022	mg/l	4/5/02	4/10/02	DWK
(1) EPA 6010 Total Metals					
Boron	<0.5	mg/l	4/1/02	4/1/02	PEF
Potassium	9.7	mg/l	4/1/02	4/1/02	PEF
Iron	5.2	mg/l	4/1/02	4/1/02	PEF
Manganese	0.32	mg/l	4/1/02	4/1/02	PEF
Magnesium	3.2	mg/l	4/1/02	4/1/02	PEF
Lead	<0.01	mg/l	4/1/02	4/1/02	PEF
Cadmium	<0.01	mg/l	4/1/02	4/1/02	PEF
Aluminum	1.2	mg/l	4/1/02	4/1/02	PEF
Calcium	8.5	mg/l	4/1/02	4/1/02	PEF
Antimony	<0.01	mg/l	4/1/02	4/1/02	PEF
Arsenic	<0.01	mg/l	4/1/02	4/1/02	PEF
Beryllium	<0.01	mg/l	4/1/02	4/1/02	PEF
Barium	<0.2	mg/l	4/1/02	4/1/02	PEF
Sodium	5.2	mg/l	4/1/02	4/1/02	PEF
Chromium	<0.01	mg/l	4/1/02	4/1/02	PEF
Copper	<0.01	mg/l	4/1/02	4/1/02	PEF
Nickel	<0.01	mg/l	4/1/02	4/1/02	PEF
Selenium	<0.01	mg/l	4/1/02	4/1/02	PEF
Silver	<0.01	mg/l	4/1/02	4/1/02	PEF
Thallium	<0.01	mg/l	4/1/02	4/1/02	PEF
Zinc	0.024	mg/l	4/1/02	4/1/02	PEF
Cobalt	<0.01	mg/l	4/1/02	4/1/02	PEF
Vanadium	<0.01	mg/l	4/1/02	4/1/02	PEF
(1) EPA 8260B TCL Volatiles (Modified List)					
Acetone	<10	ug/l		4/8/02	LEF
Acrylonitrile	<20	ug/l		4/8/02	LEF

Life Science Laboratories, Inc.

Date Printed: 4/15/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-4S **LSL Sample ID:** 0203919-003

Location:

Sampled: 03/28/02 11:15 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Surrogate (1,2-DCA-d4)	112	%R		4/8/02	LEF
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		3/29/02	RAF
Chloride	4.5	mg/l		3/29/02	RAF
Nitrate as N	<0.1	mg/l		3/29/02 21:27	RAF
Sulfate	17	mg/l		3/29/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	62	mg/l	4/8/02	4/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	27	mg/l		4/10/02	SCO
(1) SM 18 3500Cr-D Hexavalent Chromium					
Chromium, Hexavalent	<0.01	mg/l		3/29/02 07:14	DWK
(1) SM 19 5310C TOC					
Total Organic Carbon	30	mg/l		4/11/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	160	mg/l		4/1/02	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-5S **LSL Sample ID:** 0203919-004

Location:

Sampled: 03/28/02 10:34 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Benzene	<5	ug/l		4/9/02	LEF
Bromochloromethane	<5	ug/l		4/9/02	LEF
Bromodichloromethane	<5	ug/l		4/9/02	LEF
Bromoform	<5	ug/l		4/9/02	LEF
Bromomethane	<5	ug/l		4/9/02	LEF
2-Butanone (MEK)	<10	ug/l		4/9/02	LEF
Carbon disulfide	<5	ug/l		4/9/02	LEF
Carbon tetrachloride	<5	ug/l		4/9/02	LEF
Chlorobenzene	<5	ug/l		4/9/02	LEF
Chloroethane	<5	ug/l		4/9/02	LEF
Chloromethane	<5	ug/l		4/9/02	LEF
Chloroform	<5	ug/l		4/9/02	LEF
Dibromochloromethane	<5	ug/l		4/9/02	LEF
1,2-Dibromo-3-chloropropane	<5	ug/l		4/9/02	LEF
1,2-Dibromoethane(EDB)	<5	ug/l		4/9/02	LEF
Dibromomethane	<5	ug/l		4/9/02	LEF
1,2-Dichlorobenzene	<5	ug/l		4/9/02	LEF
1,4-Dichlorobenzene	<5	ug/l		4/9/02	LEF
trans-1,4-Dichloro-2-butene	<10	ug/l		4/9/02	LEF
1,1-Dichloroethane	<5	ug/l		4/9/02	LEF
1,2-Dichloroethane	<5	ug/l		4/9/02	LEF
1,1-Dichloroethene	<5	ug/l		4/9/02	LEF
cis-1,2-Dichloroethene	<5	ug/l		4/9/02	LEF
trans-1,2-Dichloroethene	<5	ug/l		4/9/02	LEF
1,2-Dichloropropane	<5	ug/l		4/9/02	LEF
cis-1,3-Dichloropropene	<5	ug/l		4/9/02	LEF
trans-1,3-Dichloropropene	<5	ug/l		4/9/02	LEF
Ethyl benzene	<5	ug/l		4/9/02	LEF
2-Hexanone	<10	ug/l		4/9/02	LEF
Iodomethane (Methyl iodide)	<10	ug/l		4/9/02	LEF
Methylene chloride	<10	ug/l		4/9/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/l		4/9/02	LEF
Styrene	<5	ug/l		4/9/02	LEF
1,1,1,2-Tetrachloroethane	<5	ug/l		4/9/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/l		4/9/02	LEF
Tetrachloroethene	<5	ug/l		4/9/02	LEF
Toluene	<5	ug/l		4/9/02	LEF
1,1,1-Trichloroethane	<5	ug/l		4/9/02	LEF
1,1,2-Trichloroethane	<5	ug/l		4/9/02	LEF
Trichloroethene	<5	ug/l		4/9/02	LEF
Trichlorofluoromethane (Freon 11)	<5	ug/l		4/9/02	LEF
1,2,3-Trichloropropane	<5	ug/l		4/9/02	LEF
Vinyl acetate	<20	ug/l		4/9/02	LEF
Vinyl chloride	<5	ug/l		4/9/02	LEF
Xylenes (Total)	<5	ug/l		4/9/02	LEF
Surrogate (4-BFB)	102	%R		4/9/02	LEF
Surrogate (Tol-d8)	97	%R		4/9/02	LEF

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

Parameter	3/28/02	6/17/02	9/24/02	12/18/02	NYSDEC Ground Water Standard
Field Parameters					
Conductivity (μmhos/cm)	4,940	4,970	5,440	3,780	NS
pH (s.u.)	**6.48**	6.63	7		6.5 - 8.5
Temperature (deg C)	12.8	15.2	17.2	10.4	NS
Turbidity (NTU)	**356**	**183**	**585**	**164**	5
Part 360 Leachate Indicator Parameters					
Ammonia-Nitrogen (mg/L)	**200**	**260**	**270**	**200**	2
Biochemical Oxygen Demand (BOD5) (mg/L)	38	24	46	34	NS
Boron (mg/L)	**2.5**	**2.7**	**3.7**		1
Bromide (mg/L)	**2.6**	**3**	**3.9**	1.9	2
Chemical Oxygen Demand (mg/L)	420	250	3,200	270	NS
Chloride (mg/L)	**440**	**430**	**610**	**380**	250
Color (Pt-Co)	**1,400**				15
Nitrate-Nitrogen (mg/L)	<0.1	0.16	0.17	<0.1	10
Sulfate (mg/L)	2.9	2.2	3.6	2.2	250
Total Alkalinity (mg/L)	1,700	1,900	2,200	1,500	NS
Total Cyanide (mg/L)	<0.01				0.2
Total Dissolved Solids (mg/L)	**1,900**	**2,100**	**2,500**	**1,500**	500
Total Hardness (mg/L)	580	580	690	480	NS
Total Kjeldahl Nitrogen (mg/L)	290	220	320	220	NS
Total Organic Carbon (mg/L)	160	150	230	99	NS
Total Phenols (mg/L)	**0.016**	**0.02**	**0.015**	**0.026**	0.001
Part 360 Metals					
Aluminum (mg/L)	2.4				NS
Antimony (mg/L)	<0.01				0.003
Arsenic (mg/L)	0.02				0.025
Barium (mg/L)	<0.2				1
Beryllium (mg/L)	<0.01				0.003 (GV)
Cadmium (mg/L)	<0.01	<0.01	<0.01	<0.01	0.005
Calcium (mg/L)	120	120	140	100	NS
Chromium (mg/L)	0.031				0.05
Chromium, Hexavalent (mg/L)	<0.01				0.05
Cobalt (mg/L)	0.012				NS
Copper (mg/L)	0.052				0.2
Iron (mg/L)	**62**	**60**	**70**	**48**	0.3*
Lead (mg/L)	**0.049**	**0.031**	**0.04**	0.022	0.025
Magnesium (mg/L)	**68**	**67**	**83**	**53**	35 (GV)
Manganese (mg/L)	**1.3**	**1.5**	**2.4**	**1.6**	0.3*
Mercury (mg/L)	0.0002				0.0007
Nickel (mg/L)	0.062				0.1
Potassium (mg/L)	190	200	340	180	NS
Selenium (mg/L)	<0.01				0.01
Silver (mg/L)	<0.01				0.05
Sodium (mg/L)	**430**	**460**	**600**	**250**	20
Thallium (mg/L)	<0.01				0.0005 (GV)
Vanadium (mg/L)	<0.01				NS
Zinc (mg/L)	0.16				2

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

Parameter	3/28/02	6/17/02	9/24/02	12/18/02	NYSDEC Ground Water Standard
Part 360 Volatile Organics					
1,1,1,2-Tetrachloroethane (µg/L)	<5.0				5
1,1,1-Trichloroethane (µg/L)	<5.0				5
1,1,2,2-Tetrachloroethane (µg/L)	<5.0				5
1,1,2-Trichloroethane (µg/L)	<5.0				1
1,1-Dichloroethane (µg/L)	<5.0				5
1,1-Dichloroethene (µg/L)	<5.0				5
1,2,3-Trichloropropane (µg/L)	<5.0				0.04
1,2-Dibromo-3-chloropropane (µg/L)	<5.0				0.04
1,2-Dibromoethane (EDB) (µg/L)	<5.0				5
1,2-Dichlorobenzene (µg/L)	<5.0				3
1,2-Dichloroethane (µg/L)	<5.0				0.6
1,2-Dichloropropane (µg/L)	<5.0				1
1,4-Dichlorobenzene (µg/L)	<5.0				3
2-Butanone (MEK) (µg/L)	<10.0				50 (GV)
2-Hexanone (µg/L)	<10.0				50 (GV)
4-Methyl 2-pentanone (µg/L)	<10.0				NS
Acetone (µg/L)	18				50 (GV)
Acrylonitrile (µg/L)	<20.0				5
Benzene (µg/L)	**5.5**				1
Bromochloromethane (µg/L)	<5.0				5
Bromodichloromethane (µg/L)	<5.0				50 (GV)
Bromoform (µg/L)	<5.0				50 (GV)
Bromomethane (µg/L)	<5.0				5
Carbon disulfide (µg/L)	<5.0				60 (GV)
Carbon tetrachloride (µg/L)	<5.0				5
Chlorobenzene (µg/L)	<5.0				5
Chloroethane (µg/L)	**33**				5
Chloroform (µg/L)	<5.0				7
Chloromethane (µg/L)	<5.0				5
cis-1,2-Dichloroethene (µg/L)	<5.0				5
cis-1,3-Dichloropropene (µg/L)	<5.0				0.4**
Dibromochloromethane (µg/L)	<5.0				50 (GV)
Dibromomethane (µg/L)	<5.0				5
Ethyl benzene (µg/L)	**29**				5
Iodomethane (µg/L)	<10.0				5
Methylene Chloride (µg/L)	<10.0				5
Styrene (µg/L)	<5.0				5
Tetrachloroethene (µg/L)	<5.0				5
Toluene (µg/L)	<5.0				5
trans-1,2-Dichloroethene (µg/L)	<5.0				5
trans-1,3-Dichloropropene (µg/L)	<5.0				0.4**
trans-1,4-Dichloro-2-butene (µg/L)	<10.0				5
Trichloroethene (µg/L)	<5.0				5
Trichlorofluoromethane (µg/L)	<5.0				5
Vinyl Acetate (µg/L)	<20.0				NS
Vinyl Chloride (µg/L)	<5.0				2
Xylenes (Total) (µg/L)	**75**				5

APPENDIX B

LABORATORY REPORTING SHEETS

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-1S **LSL Sample ID:** 0203919-001

Location: Tannery Road Landfill

Sampled: 03/28/02 15:18 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 110.2, Color					
Apparent Color	20	Units		3/29/02 09:29	DWK
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	6.6	mg/l	4/1/02	4/1/02	PEF
(1) EPA 245.1Total Mercury					
Mercury	0.0003	mg/l	4/8/02	4/9/02	SCO
A trace amount of this analyte was detected in the laboratory blank.					
(1) EPA 335.2 Total Cyanide					
Cyanide, Total	<0.01	mg/l	4/3/02	4/3/02	DRB
(1) EPA 350.1 Ammonia					
Ammonia as N	<0.03	mg/l		4/8/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.13	mg/l	4/2/02	4/3/02	DRB
This result has been blank corrected.					
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		3/29/02 11:47	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	<0.002	mg/l	4/5/02	4/10/02	DWK
(1) EPA 6010 Total Metals					
Boron	<0.5	mg/l	4/1/02	4/1/02	PEF
Potassium	<1	mg/l	4/1/02	4/1/02	PEF
Iron	4.5	mg/l	4/1/02	4/1/02	PEF
Manganese	0.11	mg/l	4/1/02	4/1/02	PEF
Magnesium	<1	mg/l	4/1/02	4/1/02	PEF
Lead	<0.01	mg/l	4/1/02	4/1/02	PEF
Cadmium	<0.01	mg/l	4/1/02	4/1/02	PEF
Aluminum	8.9	mg/l	4/1/02	4/1/02	PEF
Calcium	1.0	mg/l	4/1/02	4/1/02	PEF
Antimony	<0.01	mg/l	4/1/02	4/1/02	PEF
Arsenic	<0.01	mg/l	4/1/02	4/1/02	PEF
Beryllium	<0.01	mg/l	4/1/02	4/1/02	PEF
Barium	<0.2	mg/l	4/1/02	4/1/02	PEF
Sodium	2.8	mg/l	4/1/02	4/1/02	PEF
Chromium	<0.01	mg/l	4/1/02	4/1/02	PEF
Copper	<0.01	mg/l	4/1/02	4/1/02	PEF
Nickel	<0.01	mg/l	4/1/02	4/1/02	PEF
Selenium	<0.01	mg/l	4/1/02	4/1/02	PEF
Silver	<0.01	mg/l	4/1/02	4/1/02	PEF
Thallium	<0.01	mg/l	4/1/02	4/1/02	PEF
Zinc	0.033	mg/l	4/1/02	4/1/02	PEF
Cobalt	<0.01	mg/l	4/1/02	4/1/02	PEF
Vanadium	<0.01	mg/l	4/1/02	4/1/02	PEF
(1) EPA 8260B TCL Volatiles (Modified List)					
Acetone	<10	ug/l		4/8/02	LEF

Life Science Laboratories, Inc.

Date Printed: 4/15/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: MW-1S **LSL Sample ID:** 0203919-001

Location: Tannery Road Landfill

Sampled: 03/28/02 15:18 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Acrylonitrile	<20	ug/l		4/8/02	LEF
Benzene	<5	ug/l		4/8/02	LEF
Bromochloromethane	<5	ug/l		4/8/02	LEF
Bromodichloromethane	<5	ug/l		4/8/02	LEF
Bromoform	<5	ug/l		4/8/02	LEF
Bromomethane	<5	ug/l		4/8/02	LEF
2-Butanone (MEK)	<10	ug/l		4/8/02	LEF
Carbon disulfide	<5	ug/l		4/8/02	LEF
Carbon tetrachloride	<5	ug/l		4/8/02	LEF
Chlorobenzene	<5	ug/l		4/8/02	LEF
Chloroethane	<5	ug/l		4/8/02	LEF
Chloromethane	<5	ug/l		4/8/02	LEF
Chloroform	<5	ug/l		4/8/02	LEF
Dibromochloromethane	<5	ug/l		4/8/02	LEF
1,2-Dibromo-3-chloropropane	<5	ug/l		4/8/02	LEF
1,2-Dibromoethane(EDB)	<5	ug/l		4/8/02	LEF
Dibromomethane	<5	ug/l		4/8/02	LEF
1,2-Dichlorobenzene	<5	ug/l		4/8/02	LEF
1,4-Dichlorobenzene	<5	ug/l		4/8/02	LEF
trans-1,4-Dichloro-2-butene	<10	ug/l		4/8/02	LEF
1,1-Dichloroethane	<5	ug/l		4/8/02	LEF
1,2-Dichloroethane	<5	ug/l		4/8/02	LEF
1,1-Dichloroethene	<5	ug/l		4/8/02	LEF
cis-1,2-Dichloroethene	<5	ug/l		4/8/02	LEF
trans-1,2-Dichloroethene	<5	ug/l		4/8/02	LEF
1,2-Dichloropropane	<5	ug/l		4/8/02	LEF
cis-1,3-Dichloropropene	<5	ug/l		4/8/02	LEF
trans-1,3-Dichloropropene	<5	ug/l		4/8/02	LEF
Ethyl benzene	<5	ug/l		4/8/02	LEF
2-Hexanone	<10	ug/l		4/8/02	LEF
Iodomethane (Methyl iodide)	<10	ug/l		4/8/02	LEF
Methylene chloride	<10	ug/l		4/8/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/l		4/8/02	LEF
Styrene	<5	ug/l		4/8/02	LEF
1,1,1,2-Tetrachloroethane	<5	ug/l		4/8/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/l		4/8/02	LEF
Tetrachloroethene	<5	ug/l		4/8/02	LEF
Toluene	<5	ug/l		4/8/02	LEF
1,1,1-Trichloroethane	<5	ug/l		4/8/02	LEF
1,1,2-Trichloroethane	<5	ug/l		4/8/02	LEF
Trichloroethene	<5	ug/l		4/8/02	LEF
Trichlorofluoromethane (Freon 11)	<5	ug/l		4/8/02	LEF
1,2,3-Trichloropropane	<5	ug/l		4/8/02	LEF
Vinyl acetate	<20	ug/l		4/8/02	LEF
Vinyl chloride	<5	ug/l		4/8/02	LEF
Xylenes (Total)	<5	ug/l		4/8/02	LEF
Surrogate (4-BFB)	111	%R		4/8/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-1S **LSL Sample ID:** 0203919-001

Location: Tannery Road Landfill

Sampled: 03/28/02 15:18 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Surrogate (Tol-d8)	100	%R		4/8/02	LEF
Surrogate (1,2-DCA-d4)	111	%R		4/8/02	LEF
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		3/29/02	RAF
Chloride	2.7	mg/l		3/29/02	RAF
Nitrate as N	0.15	mg/l		3/29/02 20:17	RAF
Sulfate	7.0	mg/l		3/29/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	24	mg/l	4/8/02	4/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	<1	mg/l		4/10/02	SCO
(1) SM 18 3500Cr-D Hexavalent Chromium					
Chromium, Hexavalent	N/A			3/29/02 07:14	DWK
(1) SM 19 5310C TOC					
Total Organic Carbon	8.3	mg/l		4/11/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	170	mg/l		4/1/02	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: MW-3S **LSL Sample ID:** 0203919-002

Location:

Sampled: 03/28/02 11:48 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 110.2, Color					
Apparent Color	900	Units		3/29/02 09:29	DWK
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	200	mg/l	4/1/02	4/1/02	PEF
(1) EPA 245.1Total Mercury					
Mercury	<0.0002	mg/l	4/8/02	4/9/02	SCO
(1) EPA 335.2 Total Cyanide					
Cyanide, Total	<0.01	mg/l	4/3/02	4/3/02	DRB
(1) EPA 350.1 Ammonia					
Ammonia as N	120	mg/l		4/8/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	140	mg/l	4/2/02	4/3/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	11	mg/l		3/29/02 11:50	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	<0.002	mg/l	4/5/02	4/10/02	DWK
(1) EPA 6010 Total Metals					
Boron	1.4	mg/l	4/1/02	4/1/02	PEF
Potassium	140	mg/l	4/1/02	4/2/02	PEF
Iron	24	mg/l	4/1/02	4/1/02	PEF
Manganese	0.74	mg/l	4/1/02	4/1/02	PEF
Magnesium	15	mg/l	4/1/02	4/1/02	PEF
Lead	<0.01	mg/l	4/1/02	4/1/02	PEF
Cadmium	<0.01	mg/l	4/1/02	4/1/02	PEF
Aluminum	0.91	mg/l	4/1/02	4/1/02	PEF
Calcium	52	mg/l	4/1/02	4/1/02	PEF
Antimony	<0.01	mg/l	4/1/02	4/1/02	PEF
Arsenic	<0.01	mg/l	4/1/02	4/1/02	PEF
Beryllium	<0.01	mg/l	4/1/02	4/1/02	PEF
Barium	0.50	mg/l	4/1/02	4/1/02	PEF
Sodium	210	mg/l	4/1/02	4/1/02	PEF
Chromium	0.018	mg/l	4/1/02	4/1/02	PEF
Copper	<0.01	mg/l	4/1/02	4/1/02	PEF
Nickel	0.027	mg/l	4/1/02	4/1/02	PEF
Selenium	<0.01	mg/l	4/1/02	4/1/02	PEF
Silver	<0.01	mg/l	4/1/02	4/1/02	PEF
Thallium	<0.01	mg/l	4/1/02	4/1/02	PEF
Zinc	0.021	mg/l	4/1/02	4/1/02	PEF
Cobalt	<0.01	mg/l	4/1/02	4/1/02	PEF
Vanadium	0.051	mg/l	4/1/02	4/1/02	PEF
(1) EPA 8260B TCL Volatiles (Modified List)					
Acetone	<10	ug/l		4/8/02	LEF
Acrylonitrile	<20	ug/l		4/8/02	LEF
Benzene	<5	ug/l		4/8/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: MW-3S **LSL Sample ID:** 0203919-002

Location:

Sampled: 03/28/02 11:48 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Bromochloromethane	<5	ug/l		4/8/02	LEF
Bromodichloromethane	<5	ug/l		4/8/02	LEF
Bromoform	<5	ug/l		4/8/02	LEF
Bromomethane	<5	ug/l		4/8/02	LEF
2-Butanone (MEK)	<10	ug/l		4/8/02	LEF
Carbon disulfide	<5	ug/l		4/8/02	LEF
Carbon tetrachloride	<5	ug/l		4/8/02	LEF
Chlorobenzene	<5	ug/l		4/8/02	LEF
Chloroethane	<5	ug/l		4/8/02	LEF
Chloromethane	<5	ug/l		4/8/02	LEF
Chloroform	<5	ug/l		4/8/02	LEF
Dibromochloromethane	<5	ug/l		4/8/02	LEF
1,2-Dibromo-3-chloropropane	<5	ug/l		4/8/02	LEF
1,2-Dibromoethane(EDB)	<5	ug/l		4/8/02	LEF
Dibromomethane	<5	ug/l		4/8/02	LEF
1,2-Dichlorobenzene	<5	ug/l		4/8/02	LEF
1,4-Dichlorobenzene	<5	ug/l		4/8/02	LEF
trans-1,4-Dichloro-2-butene	<10	ug/l		4/8/02	LEF
1,1-Dichloroethane	<5	ug/l		4/8/02	LEF
1,2-Dichloroethane	<5	ug/l		4/8/02	LEF
1,1-Dichloroethene	<5	ug/l		4/8/02	LEF
cis-1,2-Dichloroethene	<5	ug/l		4/8/02	LEF
trans-1,2-Dichloroethene	<5	ug/l		4/8/02	LEF
1,2-Dichloropropane	<5	ug/l		4/8/02	LEF
cis-1,3-Dichloropropene	<5	ug/l		4/8/02	LEF
trans-1,3-Dichloropropene	<5	ug/l		4/8/02	LEF
Ethyl benzene	<5	ug/l		4/8/02	LEF
2-Hexanone	<10	ug/l		4/8/02	LEF
Iodomethane (Methyl iodide)	<10	ug/l		4/8/02	LEF
Methylene chloride	<10	ug/l		4/8/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/l		4/8/02	LEF
Styrene	<5	ug/l		4/8/02	LEF
1,1,1,2-Tetrachloroethane	<5	ug/l		4/8/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/l		4/8/02	LEF
Tetrachloroethene	<5	ug/l		4/8/02	LEF
Toluene	<5	ug/l		4/8/02	LEF
1,1,1-Trichloroethane	<5	ug/l		4/8/02	LEF
1,1,2-Trichloroethane	<5	ug/l		4/8/02	LEF
Trichloroethene	<5	ug/l		4/8/02	LEF
Trichlorofluoromethane (Freon 11)	<5	ug/l		4/8/02	LEF
1,2,3-Trichloropropane	<5	ug/l		4/8/02	LEF
Vinyl acetate	<20	ug/l		4/8/02	LEF
Vinyl chloride	<5	ug/l		4/8/02	LEF
Xylenes (Total)	<5	ug/l		4/8/02	LEF
Surrogate (4-BFB)	100	%R		4/8/02	LEF
Surrogate (Tol-d8)	101	%R		4/8/02	LEF
Surrogate (1,2-DCA-d4)	110	%R		4/8/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-3S **LSL Sample ID:** 0203919-002

Location:

Sampled: 03/28/02 11:48 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
(1) EPA Method 300.0 A					
Bromide	0.52	mg/l		3/29/02	RAF
Chloride	130	mg/l		4/2/02	CAC
Nitrate as N	<0.1	mg/l		3/29/02 20:35	RAF
Sulfate	94	mg/l		3/29/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	220	mg/l	4/8/02	4/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	840	mg/l		4/10/02	SCO
(1) SM 18 3500Cr-D Hexavalent Chromium					
Chromium, Hexavalent	<0.5	mg/l		3/29/02 07:14	DWK
Elevated detection limit due to matrix interference.					
(1) SM 19 5310C TOC					
Total Organic Carbon	86	mg/l		4/11/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	1100	mg/l		4/1/02	MM

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: MW-4S **LSL Sample ID:** 0203919-003

Location:

Sampled: 03/28/02 11:15 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 110.2, Color					
Apparent Color	250	Units		3/29/02 09:29	DWK
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	34	mg/l	4/1/02	4/1/02	PEF
(1) EPA 245.1Total Mercury					
Mercury	<0.0002	mg/l	4/8/02	4/9/02	SCO
(1) EPA 335.2 Total Cyanide					
Cyanide, Total	<0.01	mg/l	4/3/02	4/3/02	DRB
(1) EPA 350.1 Ammonia					
Ammonia as N	1.7	mg/l		4/8/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	2.1	mg/l	4/5/02	4/8/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<10	mg/l		3/29/02 11:57	MM
This result should be considered an estimate due to low oxygen depletion.					
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.0022	mg/l	4/5/02	4/10/02	DWK
(1) EPA 6010 Total Metals					
Boron	<0.5	mg/l	4/1/02	4/1/02	PEF
Potassium	9.7	mg/l	4/1/02	4/1/02	PEF
Iron	5.2	mg/l	4/1/02	4/1/02	PEF
Manganese	0.32	mg/l	4/1/02	4/1/02	PEF
Magnesium	3.2	mg/l	4/1/02	4/1/02	PEF
Lead	<0.01	mg/l	4/1/02	4/1/02	PEF
Cadmium	<0.01	mg/l	4/1/02	4/1/02	PEF
Aluminum	1.2	mg/l	4/1/02	4/1/02	PEF
Calcium	8.5	mg/l	4/1/02	4/1/02	PEF
Antimony	<0.01	mg/l	4/1/02	4/1/02	PEF
Arsenic	<0.01	mg/l	4/1/02	4/1/02	PEF
Beryllium	<0.01	mg/l	4/1/02	4/1/02	PEF
Barium	<0.2	mg/l	4/1/02	4/1/02	PEF
Sodium	5.2	mg/l	4/1/02	4/1/02	PEF
Chromium	<0.01	mg/l	4/1/02	4/1/02	PEF
Copper	<0.01	mg/l	4/1/02	4/1/02	PEF
Nickel	<0.01	mg/l	4/1/02	4/1/02	PEF
Selenium	<0.01	mg/l	4/1/02	4/1/02	PEF
Silver	<0.01	mg/l	4/1/02	4/1/02	PEF
Thallium	<0.01	mg/l	4/1/02	4/1/02	PEF
Zinc	0.024	mg/l	4/1/02	4/1/02	PEF
Cobalt	<0.01	mg/l	4/1/02	4/1/02	PEF
Vanadium	<0.01	mg/l	4/1/02	4/1/02	PEF
(1) EPA 8260B TCL Volatiles (Modified List)					
Acetone	<10	ug/l		4/8/02	LEF
Acrylonitrile	<20	ug/l		4/8/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-4S **LSL Sample ID:** 0203919-003

Location:

Sampled: 03/28/02 11:15 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Benzene	<5	ug/l		4/8/02	LEF
Bromochloromethane	<5	ug/l		4/8/02	LEF
Bromodichloromethane	<5	ug/l		4/8/02	LEF
Bromoform	<5	ug/l		4/8/02	LEF
Bromomethane	<5	ug/l		4/8/02	LEF
2-Butanone (MEK)	<10	ug/l		4/8/02	LEF
Carbon disulfide	<5	ug/l		4/8/02	LEF
Carbon tetrachloride	<5	ug/l		4/8/02	LEF
Chlorobenzene	<5	ug/l		4/8/02	LEF
Chloroethane	<5	ug/l		4/8/02	LEF
Chloromethane	<5	ug/l		4/8/02	LEF
Chloroform	<5	ug/l		4/8/02	LEF
Dibromochloromethane	<5	ug/l		4/8/02	LEF
1,2-Dibromo-3-chloropropane	<5	ug/l		4/8/02	LEF
1,2-Dibromoethane(EDB)	<5	ug/l		4/8/02	LEF
Dibromomethane	<5	ug/l		4/8/02	LEF
1,2-Dichlorobenzene	<5	ug/l		4/8/02	LEF
1,4-Dichlorobenzene	<5	ug/l		4/8/02	LEF
trans-1,4-Dichloro-2-butene	<10	ug/l		4/8/02	LEF
1,1-Dichloroethane	<5	ug/l		4/8/02	LEF
1,2-Dichloroethane	<5	ug/l		4/8/02	LEF
1,1-Dichloroethene	<5	ug/l		4/8/02	LEF
cis-1,2-Dichloroethene	<5	ug/l		4/8/02	LEF
trans-1,2-Dichloroethene	<5	ug/l		4/8/02	LEF
1,2-Dichloropropane	<5	ug/l		4/8/02	LEF
cis-1,3-Dichloropropene	<5	ug/l		4/8/02	LEF
trans-1,3-Dichloropropene	<5	ug/l		4/8/02	LEF
Ethyl benzene	<5	ug/l		4/8/02	LEF
2-Hexanone	<10	ug/l		4/8/02	LEF
Iodomethane (Methyl iodide)	<10	ug/l		4/8/02	LEF
Methylene chloride	<10	ug/l		4/8/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/l		4/8/02	LEF
Styrene	<5	ug/l		4/8/02	LEF
1,1,1,2-Tetrachloroethane	<5	ug/l		4/8/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/l		4/8/02	LEF
Tetrachloroethene	<5	ug/l		4/8/02	LEF
Toluene	<5	ug/l		4/8/02	LEF
1,1,1-Trichloroethane	<5	ug/l		4/8/02	LEF
1,1,2-Trichloroethane	<5	ug/l		4/8/02	LEF
Trichloroethene	<5	ug/l		4/8/02	LEF
Trichlorofluoromethane (Freon 11)	<5	ug/l		4/8/02	LEF
1,2,3-Trichloropropane	<5	ug/l		4/8/02	LEF
Vinyl acetate	<20	ug/l		4/8/02	LEF
Vinyl chloride	<5	ug/l		4/8/02	LEF
Xylenes (Total)	<5	ug/l		4/8/02	LEF
Surrogate (4-BFB)	103	%R		4/8/02	LEF
Surrogate (Tol-d8)	98	%R		4/8/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-4S **LSL Sample ID:** 0203919-003

Location:

Sampled: 03/28/02 11:15 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Surrogate (1,2-DCA-d4)	112	%R		4/8/02	LEF
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		3/29/02	RAF
Chloride	4.5	mg/l		3/29/02	RAF
Nitrate as N	<0.1	mg/l		3/29/02 21:27	RAF
Sulfate	17	mg/l		3/29/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	62	mg/l	4/8/02	4/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	27	mg/l		4/10/02	SCO
(1) SM 18 3500Cr-D Hexavalent Chromium					
Chromium, Hexavalent	<0.01	mg/l		3/29/02 07:14	DWK
(1) SM 19 5310C TOC					
Total Organic Carbon	30	mg/l		4/11/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	160	mg/l		4/1/02	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: MW-5S **LSL Sample ID:** 0203919-004

Location:

Sampled: 03/28/02 10:34 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 110.2, Color					
Apparent Color	150	Units		3/29/02 09:29	DWK
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	110	mg/l	4/1/02	4/1/02	PEF
(1) EPA 245.1Total Mercury					
Mercury	<0.0002	mg/l	4/8/02	4/9/02	SCO
(1) EPA 335.2 Total Cyanide					
Cyanide, Total	<0.01	mg/l	4/3/02	4/3/02	DRB
(1) EPA 350.1 Ammonia					
Ammonia as N	0.82	mg/l		4/8/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.89	mg/l	4/2/02	4/3/02	DRB
This result has been blank corrected.					
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		3/29/02 11:59	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	<0.002	mg/l	4/5/02	4/10/02	DWK
(1) EPA 6010 Total Metals					
Boron	<0.5	mg/l	4/1/02	4/1/02	PEF
Potassium	4.4	mg/l	4/1/02	4/1/02	PEF
Iron	12	mg/l	4/1/02	4/1/02	PEF
Manganese	1.6	mg/l	4/1/02	4/1/02	PEF
Magnesium	5.3	mg/l	4/1/02	4/1/02	PEF
Lead	<0.01	mg/l	4/1/02	4/1/02	PEF
Cadmium	<0.01	mg/l	4/1/02	4/1/02	PEF
Aluminum	0.54	mg/l	4/1/02	4/1/02	PEF
Calcium	35	mg/l	4/1/02	4/1/02	PEF
Antimony	<0.01	mg/l	4/1/02	4/1/02	PEF
Arsenic	0.013	mg/l	4/1/02	4/1/02	PEF
Beryllium	<0.01	mg/l	4/1/02	4/1/02	PEF
Barium	<0.2	mg/l	4/1/02	4/1/02	PEF
Sodium	1.6	mg/l	4/1/02	4/1/02	PEF
Chromium	<0.01	mg/l	4/1/02	4/1/02	PEF
Copper	<0.01	mg/l	4/1/02	4/1/02	PEF
Nickel	<0.01	mg/l	4/1/02	4/1/02	PEF
Selenium	<0.01	mg/l	4/1/02	4/1/02	PEF
Silver	<0.01	mg/l	4/1/02	4/1/02	PEF
Thallium	<0.01	mg/l	4/1/02	4/1/02	PEF
Zinc	0.032	mg/l	4/1/02	4/1/02	PEF
Cobalt	<0.01	mg/l	4/1/02	4/1/02	PEF
Vanadium	<0.01	mg/l	4/1/02	4/1/02	PEF
(1) EPA 8260B TCL Volatiles (Modified List)					
Acetone	<10	ug/l		4/9/02	LEF
Acrylonitrile	<20	ug/l		4/9/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-5S **LSL Sample ID:** 0203919-004

Location:

Sampled: 03/28/02 10:34 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Benzene	<5	ug/l		4/9/02	LEF
Bromochloromethane	<5	ug/l		4/9/02	LEF
Bromodichloromethane	<5	ug/l		4/9/02	LEF
Bromoform	<5	ug/l		4/9/02	LEF
Bromomethane	<5	ug/l		4/9/02	LEF
2-Butanone (MEK)	<10	ug/l		4/9/02	LEF
Carbon disulfide	<5	ug/l		4/9/02	LEF
Carbon tetrachloride	<5	ug/l		4/9/02	LEF
Chlorobenzene	<5	ug/l		4/9/02	LEF
Chloroethane	<5	ug/l		4/9/02	LEF
Chloromethane	<5	ug/l		4/9/02	LEF
Chloroform	<5	ug/l		4/9/02	LEF
Dibromochloromethane	<5	ug/l		4/9/02	LEF
1,2-Dibromo-3-chloropropane	<5	ug/l		4/9/02	LEF
1,2-Dibromoethane(EDB)	<5	ug/l		4/9/02	LEF
Dibromomethane	<5	ug/l		4/9/02	LEF
1,2-Dichlorobenzene	<5	ug/l		4/9/02	LEF
1,4-Dichlorobenzene	<5	ug/l		4/9/02	LEF
trans-1,4-Dichloro-2-butene	<10	ug/l		4/9/02	LEF
1,1-Dichloroethane	<5	ug/l		4/9/02	LEF
1,2-Dichloroethane	<5	ug/l		4/9/02	LEF
1,1-Dichloroethene	<5	ug/l		4/9/02	LEF
cis-1,2-Dichloroethene	<5	ug/l		4/9/02	LEF
trans-1,2-Dichloroethene	<5	ug/l		4/9/02	LEF
1,2-Dichloropropane	<5	ug/l		4/9/02	LEF
cis-1,3-Dichloropropene	<5	ug/l		4/9/02	LEF
trans-1,3-Dichloropropene	<5	ug/l		4/9/02	LEF
Ethyl benzene	<5	ug/l		4/9/02	LEF
2-Hexanone	<10	ug/l		4/9/02	LEF
Iodomethane (Methyl iodide)	<10	ug/l		4/9/02	LEF
Methylene chloride	<10	ug/l		4/9/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/l		4/9/02	LEF
Styrene	<5	ug/l		4/9/02	LEF
1,1,1,2-Tetrachloroethane	<5	ug/l		4/9/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/l		4/9/02	LEF
Tetrachloroethene	<5	ug/l		4/9/02	LEF
Toluene	<5	ug/l		4/9/02	LEF
1,1,1-Trichloroethane	<5	ug/l		4/9/02	LEF
1,1,2-Trichloroethane	<5	ug/l		4/9/02	LEF
Trichloroethene	<5	ug/l		4/9/02	LEF
Trichlorofluoromethane (Freon 11)	<5	ug/l		4/9/02	LEF
1,2,3-Trichloropropane	<5	ug/l		4/9/02	LEF
Vinyl acetate	<20	ug/l		4/9/02	LEF
Vinyl chloride	<5	ug/l		4/9/02	LEF
Xylenes (Total)	<5	ug/l		4/9/02	LEF
Surrogate (4-BFB)	102	%R		4/9/02	LEF
Surrogate (Tol-d8)	97	%R		4/9/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: MW-5S **LSL Sample ID:** 0203919-004

Location:

Sampled: 03/28/02 10:34 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Surrogate (1,2-DCA-d4)	110	%R		4/9/02	LEF
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		3/29/02	RAF
Chloride	3.1	mg/l		3/29/02	RAF
Nitrate as N	<0.1	mg/l		3/29/02 21:45	RAF
Sulfate	23	mg/l		3/29/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	31	mg/l	4/8/02	4/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	82	mg/l		4/10/02	SCO
(1) SM 18 3500Cr-D Hexavalent Chromium					
Chromium, Hexavalent	<0.01	mg/l		3/29/02 07:14	DWK
(1) SM 19 5310C TOC					
Total Organic Carbon	11	mg/l		4/11/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	78	mg/l		4/1/02	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-7D **LSL Sample ID:** 0203919-005

Location:

Sampled: 03/28/02 9:40 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 110.2, Color					
Apparent Color	750	Units		3/29/02 09:29	DWK
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	270	mg/l	4/1/02	4/1/02	PEF
(1) EPA 245.1Total Mercury					
Mercury	<0.0002	mg/l	4/8/02	4/9/02	SCO
(1) EPA 335.2 Total Cyanide					
Cyanide, Total	<0.01	mg/l	4/3/02	4/9/02	DRB
(1) EPA 350.1 Ammonia					
Ammonia as N	43	mg/l		4/8/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	50	mg/l	4/2/02	4/3/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<20	mg/l		3/29/02 12:02	MM
This result should be considered an estimate due to low oxygen depletion.					
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.0027	mg/l	4/5/02	4/10/02	DWK
(1) EPA 6010 Total Metals					
Boron	0.99	mg/l	4/1/02	4/1/02	PEF
Potassium	40	mg/l	4/1/02	4/2/02	PEF
Iron	40	mg/l	4/1/02	4/1/02	PEF
Manganese	0.73	mg/l	4/1/02	4/1/02	PEF
Magnesium	24	mg/l	4/1/02	4/1/02	PEF
Lead	<0.01	mg/l	4/1/02	4/1/02	PEF
Cadmium	<0.01	mg/l	4/1/02	4/1/02	PEF
Aluminum	0.83	mg/l	4/1/02	4/1/02	PEF
Calcium	71	mg/l	4/1/02	4/1/02	PEF
Antimony	<0.01	mg/l	4/1/02	4/1/02	PEF
Arsenic	<0.01	mg/l	4/1/02	4/1/02	PEF
Beryllium	<0.01	mg/l	4/1/02	4/1/02	PEF
Barium	0.49	mg/l	4/1/02	4/1/02	PEF
Sodium	53	mg/l	4/1/02	4/1/02	PEF
Chromium	<0.01	mg/l	4/1/02	4/1/02	PEF
Copper	<0.01	mg/l	4/1/02	4/1/02	PEF
Nickel	<0.01	mg/l	4/1/02	4/1/02	PEF
Selenium	<0.01	mg/l	4/1/02	4/1/02	PEF
Silver	<0.01	mg/l	4/1/02	4/1/02	PEF
Thallium	<0.01	mg/l	4/1/02	4/1/02	PEF
Zinc	0.034	mg/l	4/1/02	4/1/02	PEF
Cobalt	<0.01	mg/l	4/1/02	4/1/02	PEF
Vanadium	0.010	mg/l	4/1/02	4/1/02	PEF
(1) EPA 8260B TCL Volatiles (Modified List)					
Acetone	<10	ug/l		4/9/02	LEF
Acrylonitrile	<20	ug/l		4/9/02	LEF

Life Science Laboratories, Inc.

Date Printed: 4/15/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: MW-7D **LSL Sample ID:** 0203919-005

Location:

Sampled: 03/28/02 9:40 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Benzene	24	ug/l		4/9/02	LEF
Bromochloromethane	<5	ug/l		4/9/02	LEF
Bromodichloromethane	<5	ug/l		4/9/02	LEF
Bromoform	<5	ug/l		4/9/02	LEF
Bromomethane	<5	ug/l		4/9/02	LEF
2-Butanone (MEK)	<10	ug/l		4/9/02	LEF
Carbon disulfide	<5	ug/l		4/9/02	LEF
Carbon tetrachloride	<5	ug/l		4/9/02	LEF
Chlorobenzene	5.3	ug/l		4/9/02	LEF
Chloroethane	<5	ug/l		4/9/02	LEF
Chloromethane	<5	ug/l		4/9/02	LEF
Chloroform	<5	ug/l		4/9/02	LEF
Dibromochloromethane	<5	ug/l		4/9/02	LEF
1,2-Dibromo-3-chloropropane	<5	ug/l		4/9/02	LEF
1,2-Dibromoethane(EDB)	<5	ug/l		4/9/02	LEF
Dibromomethane	<5	ug/l		4/9/02	LEF
1,2-Dichlorobenzene	<5	ug/l		4/9/02	LEF
1,4-Dichlorobenzene	<5	ug/l		4/9/02	LEF
trans-1,4-Dichloro-2-butene	<10	ug/l		4/9/02	LEF
1,1-Dichloroethane	<5	ug/l		4/9/02	LEF
1,2-Dichloroethane	<5	ug/l		4/9/02	LEF
1,1-Dichloroethene	<5	ug/l		4/9/02	LEF
cis-1,2-Dichloroethene	<5	ug/l		4/9/02	LEF
trans-1,2-Dichloroethene	<5	ug/l		4/9/02	LEF
1,2-Dichloropropane	<5	ug/l		4/9/02	LEF
cis-1,3-Dichloropropene	<5	ug/l		4/9/02	LEF
trans-1,3-Dichloropropene	<5	ug/l		4/9/02	LEF
Ethyl benzene	<5	ug/l		4/9/02	LEF
2-Hexanone	<10	ug/l		4/9/02	LEF
Iodomethane (Methyl iodide)	<10	ug/l		4/9/02	LEF
Methylene chloride	<10	ug/l		4/9/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/l		4/9/02	LEF
Styrene	<5	ug/l		4/9/02	LEF
1,1,1,2-Tetrachloroethane	<5	ug/l		4/9/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/l		4/9/02	LEF
Tetrachloroethene	<5	ug/l		4/9/02	LEF
Toluene	<5	ug/l		4/9/02	LEF
1,1,1-Trichloroethane	<5	ug/l		4/9/02	LEF
1,1,2-Trichloroethane	<5	ug/l		4/9/02	LEF
Trichloroethene	<5	ug/l		4/9/02	LEF
Trichlorofluoromethane (Freon 11)	<5	ug/l		4/9/02	LEF
1,2,3-Trichloropropane	<5	ug/l		4/9/02	LEF
Vinyl acetate	<20	ug/l		4/9/02	LEF
Vinyl chloride	<5	ug/l		4/9/02	LEF
Xylenes (Total)	180	ug/l		4/9/02	LEF
Surrogate (4-BFB)	109	%R		4/9/02	LEF
Surrogate (Tol-d8)	90	%R		4/9/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-7D **LSL Sample ID:** 0203919-005

Location:

Sampled: 03/28/02 9:40 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Surrogate (1,2-DCA-d4)	126	%R		4/9/02	LEF
(1) EPA Method 300.0 A					
Bromide	0.80	mg/l		3/29/02	RAF
Chloride	76	mg/l		3/29/02	RAF
Nitrate as N	0.16	mg/l		3/29/02 22:03	RAF
Sulfate	58	mg/l		3/29/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	130	mg/l	4/8/02	4/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	460	mg/l		4/10/02	SCO
(1) SM 18 3500Cr-D Hexavalent Chromium					
Chromium, Hexavalent	<0.01	mg/l		3/29/02 07:14	DWK
(1) SM 19 5310C TOC					
Total Organic Carbon	50	mg/l		4/11/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	720	mg/l		4/1/02	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-9S **LSL Sample ID:** 0203919-006

Location:

Sampled: 03/28/02 12:46 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 110.2, Color					
Apparent Color	850	Units		3/29/02 09:29	DWK
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	460	mg/l	4/1/02	4/1/02	PEF
(1) EPA 245.1Total Mercury					
Mercury	<0.0002	mg/l	4/8/02	4/9/02	SCO
(1) EPA 335.2 Total Cyanide					
Cyanide, Total	<0.01	mg/l	4/3/02	4/9/02	DRB
(1) EPA 350.1 Ammonia					
Ammonia as N	0.17	mg/l		4/8/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.45	mg/l	4/2/02	4/3/02	DRB
This result has been blank corrected.					
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		3/29/02 12:04	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	<0.002	mg/l	4/5/02	4/10/02	DWK
(1) EPA 6010 Total Metals					
Boron	<0.5	mg/l	4/1/02	4/1/02	PEF
Potassium	4.6	mg/l	4/1/02	4/1/02	PEF
Iron	29	mg/l	4/1/02	4/1/02	PEF
Manganese	1.8	mg/l	4/1/02	4/1/02	PEF
Magnesium	34	mg/l	4/1/02	4/1/02	PEF
Lead	0.017	mg/l	4/1/02	4/1/02	PEF
Cadmium	<0.01	mg/l	4/1/02	4/1/02	PEF
Aluminum	12	mg/l	4/1/02	4/1/02	PEF
Calcium	130	mg/l	4/1/02	4/1/02	PEF
Antimony	<0.01	mg/l	4/1/02	4/1/02	PEF
Arsenic	0.019	mg/l	4/1/02	4/1/02	PEF
Beryllium	<0.01	mg/l	4/1/02	4/1/02	PEF
Barium	<0.2	mg/l	4/1/02	4/1/02	PEF
Sodium	55	mg/l	4/1/02	4/1/02	PEF
Chromium	0.022	mg/l	4/1/02	4/1/02	PEF
Copper	0.027	mg/l	4/1/02	4/1/02	PEF
Nickel	0.034	mg/l	4/1/02	4/1/02	PEF
Selenium	<0.01	mg/l	4/1/02	4/1/02	PEF
Silver	<0.01	mg/l	4/1/02	4/1/02	PEF
Thallium	<0.01	mg/l	4/1/02	4/1/02	PEF
Zinc	0.081	mg/l	4/1/02	4/1/02	PEF
Cobalt	<0.01	mg/l	4/1/02	4/1/02	PEF
Vanadium	0.024	mg/l	4/1/02	4/1/02	PEF
(1) EPA 8260B TCL Volatiles (Modified List)					
Acetone	<10	ug/l		4/9/02	LEF
Acrylonitrile	<20	ug/l		4/9/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-9S LSL Sample ID: 0203919-006

Location:

Sampled: 03/28/02 12:46 Sampled By: BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Benzene	<5	ug/l		4/9/02	LEF
Bromochloromethane	<5	ug/l		4/9/02	LEF
Bromodichloromethane	<5	ug/l		4/9/02	LEF
Bromoform	<5	ug/l		4/9/02	LEF
Bromomethane	<5	ug/l		4/9/02	LEF
2-Butanone (MEK)	<10	ug/l		4/9/02	LEF
Carbon disulfide	<5	ug/l		4/9/02	LEF
Carbon tetrachloride	<5	ug/l		4/9/02	LEF
Chlorobenzene	<5	ug/l		4/9/02	LEF
Chloroethane	<5	ug/l		4/9/02	LEF
Chloromethane	<5	ug/l		4/9/02	LEF
Chloroform	<5	ug/l		4/9/02	LEF
Dibromochloromethane	<5	ug/l		4/9/02	LEF
1,2-Dibromo-3-chloropropane	<5	ug/l		4/9/02	LEF
1,2-Dibromoethane(EDB)	<5	ug/l		4/9/02	LEF
Dibromomethane	<5	ug/l		4/9/02	LEF
1,2-Dichlorobenzene	<5	ug/l		4/9/02	LEF
1,4-Dichlorobenzene	<5	ug/l		4/9/02	LEF
trans-1,4-Dichloro-2-butene	<10	ug/l		4/9/02	LEF
1,1-Dichloroethane	<5	ug/l		4/9/02	LEF
1,2-Dichloroethane	<5	ug/l		4/9/02	LEF
1,1-Dichloroethene	<5	ug/l		4/9/02	LEF
cis-1,2-Dichloroethene	<5	ug/l		4/9/02	LEF
trans-1,2-Dichloroethene	<5	ug/l		4/9/02	LEF
1,2-Dichloropropane	<5	ug/l		4/9/02	LEF
cis-1,3-Dichloropropene	<5	ug/l		4/9/02	LEF
trans-1,3-Dichloropropene	<5	ug/l		4/9/02	LEF
Ethyl benzene	<5	ug/l		4/9/02	LEF
2-Hexanone	<10	ug/l		4/9/02	LEF
Iodomethane (Methyl iodide)	<10	ug/l		4/9/02	LEF
Methylene chloride	<10	ug/l		4/9/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/l		4/9/02	LEF
Styrene	<5	ug/l		4/9/02	LEF
1,1,1,2-Tetrachloroethane	<5	ug/l		4/9/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/l		4/9/02	LEF
Tetrachloroethene	<5	ug/l		4/9/02	LEF
Toluene	<5	ug/l		4/9/02	LEF
1,1,1-Trichloroethane	<5	ug/l		4/9/02	LEF
1,1,2-Trichloroethane	<5	ug/l		4/9/02	LEF
Trichloroethene	<5	ug/l		4/9/02	LEF
Trichlorofluoromethane (Freon 11)	<5	ug/l		4/9/02	LEF
1,2,3-Trichloropropane	<5	ug/l		4/9/02	LEF
Vinyl acetate	<20	ug/l		4/9/02	LEF
Vinyl chloride	<5	ug/l		4/9/02	LEF
Xylenes (Total)	<5	ug/l		4/9/02	LEF
Surrogate (4-BFB)	105	%R		4/9/02	LEF
Surrogate (Tol-d8)	98	%R		4/9/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: MW-9S **LSL Sample ID:** 0203919-006

Location:

Sampled: 03/28/02 12:46 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Surrogate (1,2-DCA-d4)	110	%R		4/9/02	LEF
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		3/29/02	RAF
Chloride	3.2	mg/l		3/29/02	RAF
Nitrate as N	0.16	mg/l		3/29/02 22:20	RAF
Sulfate	15	mg/l		3/29/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	290	mg/l	4/8/02	4/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	240	mg/l		4/10/02	SCO
(1) SM 18 3500Cr-D Hexavalent Chromium					
Chromium, Hexavalent	<0.01	mg/l		3/29/02 07:14	DWK
(1) SM 19 5310C TOC					
Total Organic Carbon	29	mg/l		4/11/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	360	mg/l		4/1/02	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: MW-10 **LSL Sample ID:** 0203919-007

Location:

Sampled: 03/28/02 16:04 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 110.2, Color					
Apparent Color	1400	Units		3/29/02 09:29	DWK
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	580	mg/l	4/1/02	4/1/02	PEF
(1) EPA 245.1Total Mercury					
Mercury	0.0002	mg/l	4/8/02	4/9/02	SCO
(1) EPA 335.2 Total Cyanide					
Cyanide, Total	<0.01	mg/l	4/3/02	4/9/02	DRB
(1) EPA 350.1 Ammonia					
Ammonia as N	200	mg/l		4/8/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	290	mg/l	4/2/02	4/3/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	38	mg/l		3/29/02 12:06	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.016	mg/l	4/5/02	4/10/02	DWK
(1) EPA 6010 Total Metals					
Boron	2.5	mg/l	4/1/02	4/1/02	PEF
Potassium	190	mg/l	4/1/02	4/3/02	PEF
Iron	62	mg/l	4/1/02	4/1/02	PEF
Manganese	1.3	mg/l	4/1/02	4/1/02	PEF
Magnesium	68	mg/l	4/1/02	4/1/02	PEF
Lead	0.049	mg/l	4/1/02	4/1/02	PEF
Cadmium	<0.01	mg/l	4/1/02	4/1/02	PEF
Aluminum	2.4	mg/l	4/1/02	4/1/02	PEF
Calcium	120	mg/l	4/1/02	4/1/02	PEF
Antimony	<0.01	mg/l	4/1/02	4/1/02	PEF
Arsenic	0.020	mg/l	4/1/02	4/1/02	PEF
Beryllium	<0.01	mg/l	4/1/02	4/1/02	PEF
Barium	<0.2	mg/l	4/1/02	4/1/02	PEF
Sodium	430	mg/l	4/1/02	4/1/02	PEF
Chromium	0.031	mg/l	4/1/02	4/1/02	PEF
Copper	0.052	mg/l	4/1/02	4/1/02	PEF
Nickel	0.062	mg/l	4/1/02	4/1/02	PEF
Selenium	<0.01	mg/l	4/1/02	4/1/02	PEF
Silver	<0.01	mg/l	4/1/02	4/1/02	PEF
Thallium	<0.01	mg/l	4/1/02	4/1/02	PEF
Zinc	0.16	mg/l	4/1/02	4/1/02	PEF
Cobalt	0.012	mg/l	4/1/02	4/1/02	PEF
Vanadium	<0.01	mg/l	4/1/02	4/1/02	PEF
(1) EPA 8260B TCL Volatiles (Modified List)					
Acetone	18	ug/l		4/9/02	LEF
Acrylonitrile	<20	ug/l		4/9/02	LEF
Benzene	5.5	ug/l		4/9/02	LEF

Life Science Laboratories, Inc.

Date Printed: 4/15/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-10 LSL Sample ID: 0203919-007

Location:

Sampled: 03/28/02 16:04 Sampled By: BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Bromochloromethane	<5	ug/l		4/9/02	LEF
Bromodichloromethane	<5	ug/l		4/9/02	LEF
Bromoform	<5	ug/l		4/9/02	LEF
Bromomethane	<5	ug/l		4/9/02	LEF
2-Butanone (MEK)	<10	ug/l		4/9/02	LEF
Carbon disulfide	<5	ug/l		4/9/02	LEF
Carbon tetrachloride	<5	ug/l		4/9/02	LEF
Chlorobenzene	<5	ug/l		4/9/02	LEF
Chloroethane	33	ug/l		4/9/02	LEF
Chloromethane	<5	ug/l		4/9/02	LEF
Chloroform	<5	ug/l		4/9/02	LEF
Dibromochloromethane	<5	ug/l		4/9/02	LEF
1,2-Dibromo-3-chloropropane	<5	ug/l		4/9/02	LEF
1,2-Dibromoethane(EDB)	<5	ug/l		4/9/02	LEF
Dibromomethane	<5	ug/l		4/9/02	LEF
1,2-Dichlorobenzene	<5	ug/l		4/9/02	LEF
1,4-Dichlorobenzene	<5	ug/l		4/9/02	LEF
trans-1,4-Dichloro-2-butene	<10	ug/l		4/9/02	LEF
1,1-Dichloroethane	<5	ug/l		4/9/02	LEF
1,2-Dichloroethane	<5	ug/l		4/9/02	LEF
1,1-Dichloroethene	<5	ug/l		4/9/02	LEF
cis-1,2-Dichloroethene	<5	ug/l		4/9/02	LEF
trans-1,2-Dichloroethene	<5	ug/l		4/9/02	LEF
1,2-Dichloropropane	<5	ug/l		4/9/02	LEF
cis-1,3-Dichloropropene	<5	ug/l		4/9/02	LEF
trans-1,3-Dichloropropene	<5	ug/l		4/9/02	LEF
Ethyl benzene	29	ug/l		4/9/02	LEF
2-Hexanone	<10	ug/l		4/9/02	LEF
Iodomethane (Methyl iodide)	<10	ug/l		4/9/02	LEF
Methylene chloride	<10	ug/l		4/9/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/l		4/9/02	LEF
Styrene	<5	ug/l		4/9/02	LEF
1,1,1,2-Tetrachloroethane	<5	ug/l		4/9/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/l		4/9/02	LEF
Tetrachloroethene	<5	ug/l		4/9/02	LEF
Toluene	<5	ug/l		4/9/02	LEF
1,1,1-Trichloroethane	<5	ug/l		4/9/02	LEF
1,1,2-Trichloroethane	<5	ug/l		4/9/02	LEF
Trichloroethene	<5	ug/l		4/9/02	LEF
Trichlorofluoromethane (Freon 11)	<5	ug/l		4/9/02	LEF
1,2,3-Trichloropropane	<5	ug/l		4/9/02	LEF
Vinyl acetate	<20	ug/l		4/9/02	LEF
Vinyl chloride	<5	ug/l		4/9/02	LEF
Xylenes (Total)	75	ug/l		4/9/02	LEF
Surrogate (4-BFB)	106	%R		4/9/02	LEF
Surrogate (Tol-d8)	102	%R		4/9/02	LEF
Surrogate (1,2-DCA-d4)	107	%R		4/9/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-10 **LSL Sample ID:** 0203919-007

Location:

Sampled: 03/28/02 16:04 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
(1) EPA Method 300.0 A					
Bromide	2.6	mg/l		3/29/02	RAF
Chloride	440	mg/l		4/2/02	CAC
Nitrate as N	<0.1	mg/l		3/29/02 22:38	RAF
Sulfate	2.9	mg/l		3/29/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	420	mg/l	4/8/02	4/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	1700	mg/l		4/10/02	SCO
(1) SM 18 3500Cr-D Hexavalent Chromium					
Chromium, Hexavalent	<0.01	mg/l		3/29/02 07:14	DWK
(1) SM 19 5310C TOC					
Total Organic Carbon	160	mg/l		4/12/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	1900	mg/l		4/1/02	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: MW-12 **LSL Sample ID:** 0203919-008

Location:

Sampled: 03/28/02 14:23 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 110.2, Color					
Apparent Color	1500	Units		3/29/02 09:29	DWK
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	650	mg/l	4/1/02	4/1/02	PEF
(1) EPA 245.1Total Mercury					
Mercury	0.005	mg/l	4/8/02	4/9/02	SCO
(1) EPA 335.2 Total Cyanide					
Cyanide, Total	<0.01	mg/l	4/3/02	4/9/02	DRB
(1) EPA 350.1 Ammonia					
Ammonia as N	200	mg/l		4/8/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	210	mg/l	4/2/02	4/3/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<20	mg/l		3/29/02 12:09	MM
This result should be considered an estimate due to low oxygen depletion.					
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.019	mg/l	4/5/02	4/10/02	DWK
(1) EPA 6010 Total Metals					
Boron	3.1	mg/l	4/1/02	4/1/02	PEF
Potassium	210	mg/l	4/1/02	4/2/02	PEF
Iron	55	mg/l	4/1/02	4/1/02	PEF
Manganese	0.40	mg/l	4/1/02	4/1/02	PEF
Magnesium	88	mg/l	4/1/02	4/1/02	PEF
Lead	<0.01	mg/l	4/1/02	4/1/02	PEF
Cadmium	<0.01	mg/l	4/1/02	4/1/02	PEF
Aluminum	0.70	mg/l	4/1/02	4/1/02	PEF
Calcium	110	mg/l	4/1/02	4/1/02	PEF
Antimony	<0.01	mg/l	4/1/02	4/1/02	PEF
Arsenic	0.020	mg/l	4/1/02	4/1/02	PEF
Beryllium	<0.01	mg/l	4/1/02	4/1/02	PEF
Barium	0.35	mg/l	4/1/02	4/1/02	PEF
Sodium	440	mg/l	4/1/02	4/1/02	PEF
Chromium	<0.01	mg/l	4/1/02	4/1/02	PEF
Copper	<0.01	mg/l	4/1/02	4/1/02	PEF
Nickel	0.024	mg/l	4/1/02	4/1/02	PEF
Selenium	<0.01	mg/l	4/1/02	4/1/02	PEF
Silver	<0.01	mg/l	4/1/02	4/1/02	PEF
Thallium	<0.01	mg/l	4/1/02	4/1/02	PEF
Zinc	0.022	mg/l	4/1/02	4/1/02	PEF
Cobalt	<0.01	mg/l	4/1/02	4/1/02	PEF
Vanadium	0.012	mg/l	4/1/02	4/1/02	PEF
(1) EPA 8260B TCL Volatiles (Modified List)					
Acetone	16	ug/l		4/9/02	LEF
Acrylonitrile	<20	ug/l		4/9/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-12 **LSL Sample ID:** 0203919-008

Location:

Sampled: 03/28/02 14:23 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Benzene	35	ug/l		4/9/02	LEF
Bromochloromethane	<5	ug/l		4/9/02	LEF
Bromodichloromethane	<5	ug/l		4/9/02	LEF
Bromoform	<5	ug/l		4/9/02	LEF
Bromomethane	<5	ug/l		4/9/02	LEF
2-Butanone (MEK)	<10	ug/l		4/9/02	LEF
Carbon disulfide	<5	ug/l		4/9/02	LEF
Carbon tetrachloride	<5	ug/l		4/9/02	LEF
Chlorobenzene	<5	ug/l		4/9/02	LEF
Chloroethane	<5	ug/l		4/9/02	LEF
Chloromethane	<5	ug/l		4/9/02	LEF
Chloroform	<5	ug/l		4/9/02	LEF
Dibromochloromethane	<5	ug/l		4/9/02	LEF
1,2-Dibromo-3-chloropropane	<5	ug/l		4/9/02	LEF
1,2-Dibromoethane(EDB)	<5	ug/l		4/9/02	LEF
Dibromomethane	<5	ug/l		4/9/02	LEF
1,2-Dichlorobenzene	<5	ug/l		4/9/02	LEF
1,4-Dichlorobenzene	<5	ug/l		4/9/02	LEF
trans-1,4-Dichloro-2-butene	<10	ug/l		4/9/02	LEF
1,1-Dichloroethane	<5	ug/l		4/9/02	LEF
1,2-Dichloroethane	<5	ug/l		4/9/02	LEF
1,1-Dichloroethene	<5	ug/l		4/9/02	LEF
cis-1,2-Dichloroethene	<5	ug/l		4/9/02	LEF
trans-1,2-Dichloroethene	<5	ug/l		4/9/02	LEF
1,2-Dichloropropane	<5	ug/l		4/9/02	LEF
cis-1,3-Dichloropropene	<5	ug/l		4/9/02	LEF
trans-1,3-Dichloropropene	<5	ug/l		4/9/02	LEF
Ethyl benzene	<5	ug/l		4/9/02	LEF
2-Hexanone	<10	ug/l		4/9/02	LEF
Iodomethane (Methyl iodide)	<10	ug/l		4/9/02	LEF
Methylene chloride	<10	ug/l		4/9/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/l		4/9/02	LEF
Styrene	<5	ug/l		4/9/02	LEF
1,1,1,2-Tetrachloroethane	<5	ug/l		4/9/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/l		4/9/02	LEF
Tetrachloroethene	<5	ug/l		4/9/02	LEF
Toluene	<5	ug/l		4/9/02	LEF
1,1,1-Trichloroethane	<5	ug/l		4/9/02	LEF
1,1,2-Trichloroethane	<5	ug/l		4/9/02	LEF
Trichloroethene	<5	ug/l		4/9/02	LEF
Trichlorofluoromethane (Freon 11)	<5	ug/l		4/9/02	LEF
1,2,3-Trichloropropane	<5	ug/l		4/9/02	LEF
Vinyl acetate	<20	ug/l		4/9/02	LEF
Vinyl chloride	<5	ug/l		4/9/02	LEF
Xylenes (Total)	17	ug/l		4/9/02	LEF
Surrogate (4-BFB)	102	%R		4/9/02	LEF
Surrogate (Tol-d8)	101	%R		4/9/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: MW-12 **LSL Sample ID:** 0203919-008

Location:

Sampled: 03/28/02 14:23 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Surrogate (1,2-DCA-d4)	109	%R		4/9/02	LEF
(1) EPA Method 300.0 A					
Bromide	4.4	mg/l		3/29/02	RAF
Chloride	350	mg/l		4/2/02	CAC
Nitrate as N	0.38	mg/l		3/29/02 22:56	RAF
Sulfate	2.3	mg/l		3/29/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	97	mg/l	4/8/02	4/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	1600	mg/l		4/10/02	SCO
(1) SM 18 3500Cr-D Hexavalent Chromium					
Chromium, Hexavalent	<0.01	mg/l		3/29/02 07:14	DWK
(1) SM 19 5310C TOC					
Total Organic Carbon	150	mg/l		4/12/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	1700	mg/l		4/1/02	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: X-1 **LSL Sample ID:** 0203919-009

Location:

Sampled: 03/28/02 0:00 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 110.2, Color					
Apparent Color	600	Units		3/29/02 09:29	DWK
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	280	mg/l	4/1/02	4/1/02	PEF
(1) EPA 245.1Total Mercury					
Mercury	<0.0002	mg/l	4/8/02	4/9/02	SCO
(1) EPA 335.2 Total Cyanide					
Cyanide, Total	<0.01	mg/l	4/3/02	4/9/02	DRB
(1) EPA 350.1 Ammonia					
Ammonia as N	43	mg/l		4/8/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	47	mg/l	4/2/02	4/3/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<10	mg/l		3/29/02 12:12	MM
This result should be considered an estimate due to low oxygen depletion.					
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.0028	mg/l	4/5/02	4/10/02	DWK
(1) EPA 6010 Total Metals					
Boron	1.0	mg/l	4/1/02	4/1/02	PEF
Potassium	41	mg/l	4/1/02	4/2/02	PEF
Iron	40	mg/l	4/1/02	4/1/02	PEF
Manganese	0.72	mg/l	4/1/02	4/1/02	PEF
Magnesium	24	mg/l	4/1/02	4/1/02	PEF
Lead	<0.01	mg/l	4/1/02	4/1/02	PEF
Cadmium	<0.01	mg/l	4/1/02	4/1/02	PEF
Aluminum	0.80	mg/l	4/1/02	4/1/02	PEF
Calcium	71	mg/l	4/1/02	4/1/02	PEF
Antimony	<0.01	mg/l	4/1/02	4/1/02	PEF
Arsenic	<0.01	mg/l	4/1/02	4/1/02	PEF
Beryllium	<0.01	mg/l	4/1/02	4/1/02	PEF
Barium	0.49	mg/l	4/1/02	4/1/02	PEF
Sodium	54	mg/l	4/1/02	4/1/02	PEF
Chromium	<0.01	mg/l	4/1/02	4/1/02	PEF
Copper	<0.01	mg/l	4/1/02	4/1/02	PEF
Nickel	<0.01	mg/l	4/1/02	4/1/02	PEF
Selenium	<0.01	mg/l	4/1/02	4/1/02	PEF
Silver	<0.01	mg/l	4/1/02	4/1/02	PEF
Thallium	<0.01	mg/l	4/1/02	4/1/02	PEF
Zinc	0.029	mg/l	4/1/02	4/1/02	PEF
Cobalt	<0.01	mg/l	4/1/02	4/1/02	PEF
Vanadium	<0.01	mg/l	4/1/02	4/1/02	PEF
(1) EPA 8260B TCL Volatiles (Modified List)					
Acetone	<10	ug/l		4/9/02	LEF
Acrylonitrile	<20	ug/l		4/9/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: X-1 **LSL Sample ID:** 0203919-009

Location:

Sampled: 03/28/02 0:00 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Benzene	25	ug/l		4/9/02	LEF
Bromochloromethane	<5	ug/l		4/9/02	LEF
Bromodichloromethane	<5	ug/l		4/9/02	LEF
Bromoform	<5	ug/l		4/9/02	LEF
Bromomethane	<5	ug/l		4/9/02	LEF
2-Butanone (MEK)	<10	ug/l		4/9/02	LEF
Carbon disulfide	<5	ug/l		4/9/02	LEF
Carbon tetrachloride	<5	ug/l		4/9/02	LEF
Chlorobenzene	5.5	ug/l		4/9/02	LEF
Chloroethane	<5	ug/l		4/9/02	LEF
Chloromethane	<5	ug/l		4/9/02	LEF
Chloroform	<5	ug/l		4/9/02	LEF
Dibromochloromethane	<5	ug/l		4/9/02	LEF
1,2-Dibromo-3-chloropropane	<5	ug/l		4/9/02	LEF
1,2-Dibromoethane(EDB)	<5	ug/l		4/9/02	LEF
Dibromomethane	<5	ug/l		4/9/02	LEF
1,2-Dichlorobenzene	<5	ug/l		4/9/02	LEF
1,4-Dichlorobenzene	<5	ug/l		4/9/02	LEF
trans-1,4-Dichloro-2-butene	<10	ug/l		4/9/02	LEF
1,1-Dichloroethane	<5	ug/l		4/9/02	LEF
1,2-Dichloroethane	<5	ug/l		4/9/02	LEF
1,1-Dichloroethene	<5	ug/l		4/9/02	LEF
cis-1,2-Dichloroethene	<5	ug/l		4/9/02	LEF
trans-1,2-Dichloroethene	<5	ug/l		4/9/02	LEF
1,2-Dichloropropane	<5	ug/l		4/9/02	LEF
cis-1,3-Dichloropropene	<5	ug/l		4/9/02	LEF
trans-1,3-Dichloropropene	<5	ug/l		4/9/02	LEF
Ethyl benzene	<5	ug/l		4/9/02	LEF
2-Hexanone	<10	ug/l		4/9/02	LEF
Iodomethane (Methyl iodide)	<10	ug/l		4/9/02	LEF
Methylene chloride	<10	ug/l		4/9/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/l		4/9/02	LEF
Styrene	<5	ug/l		4/9/02	LEF
1,1,1,2-Tetrachloroethane	<5	ug/l		4/9/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/l		4/9/02	LEF
Tetrachloroethene	<5	ug/l		4/9/02	LEF
Toluene	<5	ug/l		4/9/02	LEF
1,1,1-Trichloroethane	<5	ug/l		4/9/02	LEF
1,1,2-Trichloroethane	<5	ug/l		4/9/02	LEF
Trichloroethene	<5	ug/l		4/9/02	LEF
Trichlorofluoromethane (Freon 11)	<5	ug/l		4/9/02	LEF
1,2,3-Trichloropropane	<5	ug/l		4/9/02	LEF
Vinyl acetate	<20	ug/l		4/9/02	LEF
Vinyl chloride	<5	ug/l		4/9/02	LEF
Xylenes (Total)	170	ug/l		4/9/02	LEF
Surrogate (4-BFB)	105	%R		4/9/02	LEF
Surrogate (Tol-d8)	97	%R		4/9/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: X-1 **LSL Sample ID:** 0203919-009

Location:

Sampled: 03/28/02 0:00 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Surrogate (1,2-DCA-d4)	113	%R		4/9/02	LEF
(1) EPA Method 300.0 A					
Bromide	0.79	mg/l		3/29/02	RAF
Chloride	74	mg/l		3/29/02	RAF
Nitrate as N	0.18	mg/l		3/29/02 23:13	RAF
Sulfate	60	mg/l		3/29/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	140	mg/l	4/8/02	4/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	450	mg/l		4/10/02	SCO
(1) SM 18 3500Cr-D Hexavalent Chromium					
Chromium, Hexavalent	<0.01	mg/l		3/29/02 07:14	DWK
(1) SM 19 5310C TOC					
Total Organic Carbon	60	mg/l		4/12/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	600	mg/l		4/1/02	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: Trip Blank **LSL Sample ID:** 0203919-010

Location:

Sampled: 03/28/02 0:00 **Sampled By:** BZ

Sample Matrix: TB

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Acetone	<10	ug/l		4/8/02	LEF
Acrylonitrile	<20	ug/l		4/8/02	LEF
Benzene	<5	ug/l		4/8/02	LEF
Bromochloromethane	<5	ug/l		4/8/02	LEF
Bromodichloromethane	<5	ug/l		4/8/02	LEF
Bromoform	<5	ug/l		4/8/02	LEF
Bromomethane	<5	ug/l		4/8/02	LEF
2-Butanone (MEK)	<10	ug/l		4/8/02	LEF
Carbon disulfide	<5	ug/l		4/8/02	LEF
Carbon tetrachloride	<5	ug/l		4/8/02	LEF
Chlorobenzene	<5	ug/l		4/8/02	LEF
Chloroethane	<5	ug/l		4/8/02	LEF
Chloromethane	<5	ug/l		4/8/02	LEF
Chloroform	<5	ug/l		4/8/02	LEF
Dibromochloromethane	<5	ug/l		4/8/02	LEF
1,2-Dibromo-3-chloropropane	<5	ug/l		4/8/02	LEF
1,2-Dibromoethane(EDB)	<5	ug/l		4/8/02	LEF
Dibromomethane	<5	ug/l		4/8/02	LEF
1,2-Dichlorobenzene	<5	ug/l		4/8/02	LEF
1,4-Dichlorobenzene	<5	ug/l		4/8/02	LEF
trans-1,4-Dichloro-2-butene	<10	ug/l		4/8/02	LEF
1,1-Dichloroethane	<5	ug/l		4/8/02	LEF
1,2-Dichloroethane	<5	ug/l		4/8/02	LEF
1,1-Dichloroethene	<5	ug/l		4/8/02	LEF
cis-1,2-Dichloroethene	<5	ug/l		4/8/02	LEF
trans-1,2-Dichloroethene	<5	ug/l		4/8/02	LEF
1,2-Dichloropropane	<5	ug/l		4/8/02	LEF
cis-1,3-Dichloropropene	<5	ug/l		4/8/02	LEF
trans-1,3-Dichloropropene	<5	ug/l		4/8/02	LEF
Ethyl benzene	<5	ug/l		4/8/02	LEF
2-Hexanone	<10	ug/l		4/8/02	LEF
Iodomethane (Methyl iodide)	<10	ug/l		4/8/02	LEF
Methylene chloride	<10	ug/l		4/8/02	LEF
4-Methyl-2-pentanone (MIBK)	<10	ug/l		4/8/02	LEF
Styrene	<5	ug/l		4/8/02	LEF
1,1,1,2-Tetrachloroethane	<5	ug/l		4/8/02	LEF
1,1,2,2-Tetrachloroethane	<5	ug/l		4/8/02	LEF
Tetrachloroethene	<5	ug/l		4/8/02	LEF
Toluene	<5	ug/l		4/8/02	LEF
1,1,1-Trichloroethane	<5	ug/l		4/8/02	LEF
1,1,2-Trichloroethane	<5	ug/l		4/8/02	LEF
Trichloroethene	<5	ug/l		4/8/02	LEF
Trichlorofluoromethane (Freon 11)	<5	ug/l		4/8/02	LEF
1,2,3-Trichloropropane	<5	ug/l		4/8/02	LEF
Vinyl acetate	<20	ug/l		4/8/02	LEF
Vinyl chloride	<5	ug/l		4/8/02	LEF
Xylenes (Total)	<5	ug/l		4/8/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: Trip Blank **LSL Sample ID:** 0203919-010

Location:

Sampled: 03/28/02 0:00 **Sampled By:** BZ

Sample Matrix: TB

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 8260B TCL Volatiles (Modified List)					
Surrogate (4-BFB)	107	%R		4/8/02	LEF
Surrogate (Tol-d8)	101	%R		4/8/02	LEF
Surrogate (1,2-DCA-d4)	107	%R		4/8/02	LEF

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-1S **LSL Sample ID:** 0208104-001

Location: Tannery Rd. Landfill

Sampled: 06/17/02 14:02 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	7.3	mg/l	6/18/02	6/19/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	<0.03	mg/l		7/2/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.42	mg/l	6/28/02	7/1/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	4.6	mg/l		6/19/02 11:15	MM
This sample was incubated for 6 days, therefore the result may be biased high.					
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.012	mg/l	7/1/02	7/2/02	DWK
A trace amount of this analyte was detected in the laboratory blank.					
(1) EPA 6010 Total Metals					
Boron	<0.5	mg/l	6/18/02	6/19/02	PEF
Cadmium	<0.01	mg/l	6/18/02	6/19/02	PEF
Calcium	1.3	mg/l	6/18/02	6/19/02	PEF
Iron	4.7	mg/l	6/18/02	6/19/02	PEF
Lead	<0.01	mg/l	6/18/02	6/19/02	PEF
Magnesium	<1	mg/l	6/18/02	6/19/02	PEF
Manganese	0.069	mg/l	6/18/02	6/19/02	PEF
Potassium	<1	mg/l	6/18/02	6/19/02	PEF
Sodium	<1	mg/l	6/18/02	6/19/02	PEF
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		6/18/02	RAF
Chloride	2.7	mg/l		6/18/02	RAF
Nitrate as N	<0.1	mg/l		6/18/02 22:30	RAF
Sulfate	6.0	mg/l		6/18/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	45	mg/l		6/27/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	4.0	mg/l		6/28/02	SCO
(1) SM 19 5310C TOC					
Total Organic Carbon	14	mg/l		6/26/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	26	mg/l		6/24/02	MM

Life Science Laboratories, Inc.

Date Printed: 7/10/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: MW-3S **LSL Sample ID:** 0208104-002

Location: Tannery Rd. Landfill

Sampled: 06/17/02 11:29 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	170	mg/l		6/20/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	82	mg/l		7/2/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	76	mg/l	6/28/02	7/1/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<10	mg/l		6/19/02 11:08	MM
This result should be considered an estimate due to low oxygen depletion.					
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.011	mg/l	7/1/02	7/2/02	DWK
A trace amount of this analyte was detected in the laboratory blank.					
(1) EPA 6010 Total Metals					
Boron	1.1	mg/l	6/18/02	6/19/02	PEF
Cadmium	<0.01	mg/l	6/18/02	6/20/02	PEF
Calcium	49	mg/l	6/18/02	6/20/02	PEF
Iron	15	mg/l	6/18/02	6/20/02	PEF
Lead	<0.01	mg/l	6/18/02	6/20/02	PEF
Magnesium	11	mg/l	6/18/02	6/20/02	PEF
Manganese	0.60	mg/l	6/18/02	6/20/02	PEF
Potassium	110	mg/l	6/18/02	6/21/02	PEF
Sodium	92	mg/l	6/18/02	6/20/02	PEF
(1) EPA Method 300.0 A					
Bromide	0.15	mg/l		6/18/02	RAF
Chloride	42	mg/l		6/18/02	RAF
Nitrate as N	<0.1	mg/l		6/18/02 22:48	RAF
Sulfate	63	mg/l		6/18/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	150	mg/l		6/27/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	660	mg/l		6/28/02	SCO
(1) SM 19 5310C TOC					
Total Organic Carbon	60	mg/l		6/26/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	680	mg/l		6/20/02	MM

Life Science Laboratories, Inc.

Date Printed: 7/9/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-4S **LSL Sample ID:** 0208104-003

Location: Tannery Rd. Landfill

Sampled: 06/17/02 11:00 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time		Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3						
Hardness, Total	36	mg/l	6/18/02	6/19/02		PEF
(1) EPA 350.1 Ammonia						
Ammonia as N	3.5	mg/l		7/2/02		DRB
(1) EPA 351.2 TKN as N						
Total Kjeldahl Nitrogen	4.9	mg/l	6/28/02	7/1/02		DRB
(1) EPA 405.1 BOD-5						
Biochemical Oxygen Demand, 5 Day	<10	mg/l		6/19/02	08:49	MM
This result should be considered an estimate due to low oxygen depletion.						
(1) EPA 420.1 Recoverable Phenolics ML						
Phenolics, Total Recoverable	0.0093	mg/l	7/1/02	7/2/02		DWK
A trace amount of this analyte was detected in the laboratory blank.						
(1) EPA 6010 Total Metals						
Boron	<0.5	mg/l	6/18/02	6/19/02		PEF
Cadmium	<0.01	mg/l	6/18/02	6/19/02		PEF
Calcium	8.8	mg/l	6/18/02	6/19/02		PEF
Iron	5.2	mg/l	6/18/02	6/19/02		PEF
Lead	<0.01	mg/l	6/18/02	6/19/02		PEF
Magnesium	3.3	mg/l	6/18/02	6/19/02		PEF
Manganese	0.32	mg/l	6/18/02	6/19/02		PEF
Potassium	11	mg/l	6/18/02	6/19/02		PEF
Sodium	4.0	mg/l	6/18/02	6/19/02		PEF
(1) EPA Method 300.0 A						
Bromide	<0.1	mg/l		6/18/02		RAF
Chloride	5.3	mg/l		6/18/02		RAF
Nitrate as N	<0.1	mg/l		6/18/02	23:05	RAF
Sulfate	15	mg/l		6/18/02		RAF
(1) HACH 8000 COD						
Chemical Oxygen Demand	84	mg/l		6/27/02		DWK
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	48	mg/l		6/28/02		SCO
(1) SM 19 5310C TOC						
Total Organic Carbon	41	mg/l		6/26/02		SCO
(1) SM18-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	150	mg/l		6/20/02		MM

Life Science Laboratories, Inc.

Date Printed: 7/9/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: MW-5S **LSL Sample ID:** 0208104-004

Location: Tannery Rd. Landfill

Sampled: 06/17/02 10:08 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	93	mg/l	6/18/02	6/19/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	0.26	mg/l		7/2/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.39	mg/l	6/28/02	7/1/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		6/19/02 08:47	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.0097	mg/l	7/1/02	7/2/02	DWK
A trace amount of this analyte was detected in the laboratory blank.					
(1) EPA 6010 Total Metals					
Boron	<0.5	mg/l	6/18/02	6/19/02	PEF
Cadmium	<0.01	mg/l	6/18/02	6/19/02	PEF
Calcium	30	mg/l	6/18/02	6/19/02	PEF
Iron	8.2	mg/l	6/18/02	6/19/02	PEF
Lead	<0.01	mg/l	6/18/02	6/19/02	PEF
Magnesium	4.2	mg/l	6/18/02	6/19/02	PEF
Manganese	1.4	mg/l	6/18/02	6/19/02	PEF
Potassium	4.2	mg/l	6/18/02	6/19/02	PEF
Sodium	1.0	mg/l	6/18/02	6/19/02	PEF
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		6/18/02	RAF
Chloride	2.9	mg/l		6/18/02	RAF
Nitrate as N	<0.1	mg/l		6/18/02 23:23	RAF
Sulfate	18	mg/l		6/18/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	18	mg/l		6/27/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	80	mg/l		6/28/02	SCO
(1) SM 19 5310C TOC					
Total Organic Carbon	6.5	mg/l		6/26/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	110	mg/l		6/20/02	MM

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-7D **LSL Sample ID:** 0208104-005

Location: Tannery Rd. Landfill

Sampled: 06/17/02 9:15 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	280	mg/l		6/20/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	46	mg/l		7/2/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	44	mg/l	6/28/02	7/1/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<10	mg/l		6/19/02 08:45	MM
This result should be considered an estimate due to low oxygen depletion.					
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.012	mg/l	7/1/02	7/2/02	DWK
A trace amount of this analyte was detected in the laboratory blank.					
(1) EPA 6010 Total Metals					
Boron	1.1	mg/l	6/18/02	6/19/02	PEF
Cadmium	<0.01	mg/l	6/18/02	6/20/02	PEF
Calcium	71	mg/l	6/18/02	6/20/02	PEF
Iron	40	mg/l	6/18/02	6/20/02	PEF
Lead	<0.01	mg/l	6/18/02	6/20/02	PEF
Magnesium	25	mg/l	6/18/02	6/20/02	PEF
Manganese	0.71	mg/l	6/18/02	6/20/02	PEF
Potassium	43	mg/l	6/18/02	6/21/02	PEF
Sodium	57	mg/l	6/18/02	6/20/02	PEF
(1) EPA Method 300.0 A					
Bromide	1.0	mg/l		6/18/02	RAF
Chloride	72	mg/l		6/18/02	RAF
Nitrate as N	<0.1	mg/l		6/18/02 23:40	RAF
Sulfate	61	mg/l		6/18/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	130	mg/l		6/27/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	470	mg/l		6/28/02	SCO
(1) SM 19 5310C TOC					
Total Organic Carbon	46	mg/l		6/26/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	650	mg/l		6/20/02	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: MW-9S **LSL Sample ID:** 0208104-006

Location: Tannery Rd. Landfill

Sampled: 06/17/02 12:21 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	360	mg/l	6/18/02	6/19/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	0.33	mg/l		7/2/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	1.2	mg/l	6/28/02	7/1/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		6/19/02 11:09	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.0087	mg/l	7/1/02	7/2/02	DWK
A trace amount of this analyte was detected in the laboratory blank.					
(1) EPA 6010 Total Metals					
Boron	<0.5	mg/l	6/18/02	6/19/02	PEF
Cadmium	<0.01	mg/l	6/18/02	6/19/02	PEF
Calcium	100	mg/l	6/18/02	6/19/02	PEF
Iron	26	mg/l	6/18/02	6/19/02	PEF
Lead	0.014	mg/l	6/18/02	6/19/02	PEF
Magnesium	26	mg/l	6/18/02	6/19/02	PEF
Manganese	1.4	mg/l	6/18/02	6/19/02	PEF
Potassium	6.6	mg/l	6/18/02	6/19/02	PEF
Sodium	57	mg/l	6/18/02	6/19/02	PEF
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		6/18/02	RAF
Chloride	3.4	mg/l		6/18/02	RAF
Nitrate as N	<0.1	mg/l		6/18/02 23:58	RAF
Sulfate	8.4	mg/l		6/18/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	75	mg/l		6/27/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	250	mg/l		6/28/02	SCO
(1) SM 19 5310C TOC					
Total Organic Carbon	31	mg/l		6/26/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	340	mg/l		6/20/02	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: MW-10 **LSL Sample ID:** 0208104-007

Location: Tannery Rd. Landfill

Sampled: 06/17/02 13:06 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	580	mg/l	6/18/02	6/19/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	260	mg/l		7/2/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	220	mg/l	6/28/02	7/1/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	24	mg/l		6/19/02 11:13	MM
This sample was incubated for 6 days, therefore the result may be biased high.					
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.020	mg/l	7/1/02	7/2/02	DWK
A trace amount of this analyte was detected in the laboratory blank.					
(1) EPA 6010 Total Metals					
Boron	2.7	mg/l	6/18/02	6/19/02	PEF
Cadmium	<0.01	mg/l	6/18/02	6/19/02	PEF
Calcium	120	mg/l	6/18/02	6/19/02	PEF
Iron	60	mg/l	6/18/02	6/19/02	PEF
Lead	0.031	mg/l	6/18/02	6/19/02	PEF
Magnesium	67	mg/l	6/18/02	6/19/02	PEF
Manganese	1.5	mg/l	6/18/02	6/19/02	PEF
Potassium	200	mg/l	6/18/02	6/24/02	PEF
Sodium	460	mg/l	6/18/02	6/19/02	PEF
(1) EPA Method 300.0 A					
Bromide	3.0	mg/l		6/19/02	RAF
Chloride	430	mg/l		6/21/02	RAF
Nitrate as N	0.16	mg/l		6/19/02 00:16	RAF
Sulfate	2.2	mg/l		6/19/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	250	mg/l		6/27/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	1900	mg/l		6/28/02	SCO
This result should be considered an estimate due to matrix interferences.					
(1) SM 19 5310C TOC					
Total Organic Carbon	150	mg/l		6/26/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	2100	mg/l		6/20/02	MM

Life Science Laboratories, Inc.

Date Printed: 7/9/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY 12203

Sample ID: MW-12 **LSL Sample ID:** 0208104-008

Location: Tannery Rd. Landfill

Sampled: 06/17/02 14:28 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	620	mg/l		6/20/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	210	mg/l		7/2/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	200	mg/l	6/28/02	7/1/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	18	mg/l		6/19/02 11:59	MM
This sample was incubated for 6 days, therefore the result may be biased high.					
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.024	mg/l	7/1/02	7/2/02	DWK
A trace amount of this analyte was detected in the laboratory blank.					
(1) EPA 6010 Total Metals					
Boron	3.0	mg/l	6/18/02	6/19/02	PEF
Cadmium	<0.01	mg/l	6/18/02	6/20/02	PEF
Calcium	110	mg/l	6/18/02	6/20/02	PEF
Iron	50	mg/l	6/18/02	6/20/02	PEF
Lead	<0.01	mg/l	6/18/02	6/20/02	PEF
Magnesium	86	mg/l	6/18/02	6/20/02	PEF
Manganese	0.36	mg/l	6/18/02	6/20/02	PEF
Potassium	220	mg/l	6/18/02	6/21/02	PEF
Sodium	430	mg/l	6/18/02	6/20/02	PEF
(1) EPA Method 300.0 A					
Bromide	4.5	mg/l		6/19/02	RAF
Chloride	340	mg/l		6/21/02	RAF
Nitrate as N	0.19	mg/l		6/19/02 00:33	RAF
Sulfate	1.9	mg/l		6/19/02	RAF
(1) HACH 8000 COD					
Chemical Oxygen Demand	280	mg/l		6/27/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	1800	mg/l		6/28/02	SCO
(1) SM 19 5310C TOC					
Total Organic Carbon	160	mg/l		6/26/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	1900	mg/l		6/20/02	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY 12203*

Sample ID: X-1 **LSL Sample ID:** 0208104-009

Location: Tannery Rd. Landfill

Sampled: 06/17/02 0:00 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time		Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3						
Hardness, Total	99	%R	6/18/02	6/19/02		PEF
(1) EPA 350.1 Ammonia						
Ammonia as N	0.26	mg/l		7/2/02		DRB
(1) EPA 351.2 TKN as N						
Total Kjeldahl Nitrogen	0.81	mg/l	6/28/02	7/1/02		DRB
(1) EPA 405.1 BOD-5						
Biochemical Oxygen Demand, 5 Day	<4	mg/l		6/19/02	11:20	MM
(1) EPA 420.1 Recoverable Phenolics ML						
Phenolics, Total Recoverable	0.0083	mg/l	7/1/02	7/2/02		DWK
A trace amount of this analyte was detected in the laboratory blank.						
(1) EPA 6010 Total Metals						
Boron	<0.5	mg/l	6/18/02	6/19/02		PEF
Cadmium	<0.01	mg/l	6/18/02	6/19/02		PEF
Calcium	32	mg/l	6/18/02	6/19/02		PEF
Iron	8.7	mg/l	6/18/02	6/19/02		PEF
Lead	<0.01	mg/l	6/18/02	6/19/02		PEF
Magnesium	4.5	mg/l	6/18/02	6/19/02		PEF
Manganese	1.5	mg/l	6/18/02	6/19/02		PEF
Potassium	4.4	mg/l	6/18/02	6/19/02		PEF
Sodium	1.1	mg/l	6/18/02	6/19/02		PEF
(1) EPA Method 300.0 A						
Bromide	<0.1	mg/l		6/19/02		RAF
Chloride	2.9	mg/l		6/19/02		RAF
Nitrate as N	<0.1	mg/l		6/19/02	00:51	RAF
Sulfate	18	mg/l		6/19/02		RAF
(1) HACH 8000 COD						
Chemical Oxygen Demand	13	mg/l		6/27/02		DWK
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	110	mg/l		6/28/02		SCO
(1) SM 19 5310C TOC						
Total Organic Carbon	7.4	mg/l		6/26/02		SCO
(1) SM18-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	130	mg/l		6/20/02		MM

Life Science Laboratories, Inc.

Date Printed: 7/9/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY*

Sample ID: MW-7D **LSL Sample ID:** 0213672-001

Location: City of Rome, Tannery Road L.F.

Sampled: 09/24/02 8:00 **Sampled By:** CF

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	140	mg/l	9/25/02	9/26/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	22	mg/l		10/7/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	26	mg/l	10/2/02	10/4/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	9.3	mg/l		9/25/02 16:52	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.0044	mg/l	10/4/02	10/9/02	DWK
A trace amount of this analyte was detected in the laboratory blank.					
(1) EPA 6010 Total Metals					
Boron	<0.5	mg/l	9/25/02	9/26/02	PEF
Cadmium	<0.01	mg/l	9/25/02	9/26/02	PEF
Calcium	35	mg/l	9/25/02	9/26/02	PEF
Iron	35	mg/l	9/25/02	9/26/02	PEF
Lead	0.035	mg/l	9/25/02	9/26/02	PEF
Magnesium	14	mg/l	9/25/02	9/26/02	PEF
Manganese	0.67	mg/l	9/25/02	9/26/02	PEF
Potassium	23	mg/l	9/25/02	9/26/02	PEF
Sodium	15	mg/l	9/25/02	9/26/02	PEF
(1) EPA Method 300.0 A					
Bromide	0.21	mg/l		9/25/02	CAC
Chloride	21	mg/l		9/25/02	CAC
Nitrate as N	0.23	mg/l		9/25/02 19:22	CAC
Sulfate	47	mg/l		9/25/02	CAC
(1) HACH 8000 COD					
Chemical Oxygen Demand	150	mg/l		10/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	160	mg/l		10/7/02	SCO
(1) SM 19 5310C TOC					
Total Organic Carbon	50	mg/l		10/3/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	420	mg/l		9/30/02	MM

Life Science Laboratories, Inc.

Date Printed: 10/15/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY*

Sample ID: MW-1S **LSL Sample ID:** 0213672-002

Location: City of Rome, Tannery Road L.F.

Sampled: 09/24/02 8:55 **Sampled By:** CF

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	60	mg/l	9/25/02	9/26/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	1.1	mg/l		10/7/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	1.7	mg/l	10/2/02	10/4/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	12	mg/l		9/25/02 16:52	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.0034	mg/l	10/4/02	10/9/02	DWK
(1) EPA 6010 Total Metals					
Boron	<0.5	mg/l	9/25/02	9/26/02	PEF
Cadmium	<0.01	mg/l	9/25/02	9/26/02	PEF
Calcium	18	mg/l	9/25/02	9/26/02	PEF
Iron	50	mg/l	9/25/02	9/26/02	PEF
Lead	0.020	mg/l	9/25/02	9/26/02	PEF
Magnesium	3.9	mg/l	9/25/02	9/26/02	PEF
Manganese	0.74	mg/l	9/25/02	9/26/02	PEF
Potassium	3.1	mg/l	9/25/02	9/26/02	PEF
Sodium	4.9	mg/l	9/25/02	9/26/02	PEF
(1) EPA Method 300.0 A					
Bromide	0.12	mg/l		9/25/02	CAC
Chloride	6.4	mg/l		9/25/02	CAC
Nitrate as N	0.13	mg/l		9/25/02 20:15	CAC
Sulfate	13	mg/l		9/25/02	CAC
(1) HACH 8000 COD					
Chemical Oxygen Demand	66	mg/l		10/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	64	mg/l		10/7/02	SCO
(1) SM 19 5310C TOC					
Total Organic Carbon	26	mg/l		10/3/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	120	mg/l		9/30/02	MM

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MW-9S **LSL Sample ID:** 0213672-003

Location: City of Rome, Tannery Road L.F.

Sampled: 09/24/02 10:35 **Sampled By:** CF

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	650	mg/l	9/25/02	9/26/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	0.32	mg/l		10/7/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	1.7	mg/l	10/2/02	10/4/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	18	mg/l		9/25/02 16:52	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.0035	mg/l	10/4/02	10/9/02	DWK
(1) EPA 6010 Total Metals					
Boron	<0.5	mg/l	9/25/02	9/26/02	PEF
Cadmium	<0.01	mg/l	9/25/02	9/26/02	PEF
Calcium	170	mg/l	9/25/02	9/26/02	PEF
Iron	48	mg/l	9/25/02	9/26/02	PEF
Lead	0.034	mg/l	9/25/02	9/26/02	PEF
Magnesium	53	mg/l	9/25/02	9/26/02	PEF
Manganese	2.6	mg/l	9/25/02	9/26/02	PEF
Potassium	6.3	mg/l	9/25/02	9/26/02	PEF
Sodium	38	mg/l	9/25/02	9/26/02	PEF
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		9/25/02	CAC
Chloride	3.3	mg/l		9/25/02	CAC
Nitrate as N	0.14	mg/l		9/25/02 20:33	CAC
Sulfate	3.2	mg/l		9/25/02	CAC
(1) HACH 8000 COD					
Chemical Oxygen Demand	87	mg/l		10/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	230	mg/l		10/7/02	SCO
(1) SM 19 5310C TOC					
Total Organic Carbon	32	mg/l		10/3/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	330	mg/l		9/30/02	MM

Life Science Laboratories, Inc.

Date Printed: 10/15/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY*

Sample ID: MW-5S **LSL Sample ID:** 0213672-004

Location: City of Rome, Tannery Road L.F.

Sampled: 09/24/02 12:00 **Sampled By:** CF

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	110	mg/l	9/25/02	9/26/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	0.09	mg/l		10/7/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	1.4	mg/l	10/2/02	10/4/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	9.5	mg/l		9/25/02 16:52	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.0033	mg/l	10/4/02	10/9/02	DWK
(1) EPA 6010 Total Metals					
Boron	<0.5	mg/l	9/25/02	9/26/02	PEF
Cadmium	<0.01	mg/l	9/25/02	9/26/02	PEF
Calcium	27	mg/l	9/25/02	9/26/02	PEF
Iron	97	mg/l	9/25/02	9/26/02	PEF
Lead	0.022	mg/l	9/25/02	9/26/02	PEF
Magnesium	9.5	mg/l	9/25/02	9/26/02	PEF
Manganese	3.6	mg/l	9/25/02	9/26/02	PEF
Potassium	5.1	mg/l	9/25/02	9/26/02	PEF
Sodium	<1	mg/l	9/25/02	9/26/02	PEF
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		9/25/02	CAC
Chloride	2.6	mg/l		9/25/02	CAC
Nitrate as N	0.19	mg/l		9/25/02 20:50	CAC
Sulfate	21	mg/l		9/25/02	CAC
(1) HACH 8000 COD					
Chemical Oxygen Demand	62	mg/l		10/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	40	mg/l		10/7/02	SCO
(1) SM 19 5310C TOC					
Total Organic Carbon	22	mg/l		10/3/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	180	mg/l		9/30/02	MM

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY*

Sample ID: MW-4S **LSL Sample ID:** 0213672-005

Location: City of Rome, Tannery Road L.F.

Sampled: 09/24/02 12:50 **Sampled By:** CF

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	77	mg/l	9/25/02	9/26/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	39	mg/l		10/7/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	47	mg/l	10/2/02	10/4/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	49	mg/l		9/25/02 16:52	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.0056	mg/l	10/4/02	10/9/02	DWK
(1) EPA 6010 Total Metals					
Boron	1.1	mg/l	9/25/02	9/26/02	PEF
Cadmium	<0.01	mg/l	9/25/02	9/26/02	PEF
Calcium	20	mg/l	9/25/02	9/26/02	PEF
Iron	21	mg/l	9/25/02	9/26/02	PEF
Lead	<0.01	mg/l	9/25/02	9/26/02	PEF
Magnesium	6.3	mg/l	9/25/02	9/26/02	PEF
Manganese	0.55	mg/l	9/25/02	9/26/02	PEF
Potassium	42	mg/l	9/25/02	9/26/02	PEF
Sodium	81	mg/l	9/25/02	9/26/02	PEF
(1) EPA Method 300.0 A					
Bromide	0.50	mg/l		9/25/02	CAC
Chloride	99	mg/l		9/25/02	CAC
Nitrate as N	<0.1	mg/l		9/25/02 21:08	CAC
Sulfate	20	mg/l		9/25/02	CAC
(1) HACH 8000 COD					
Chemical Oxygen Demand	230	mg/l		10/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	280	mg/l		10/7/02	SCO
(1) SM 19 5310C TOC					
Total Organic Carbon	84	mg/l		10/3/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	530	mg/l		9/30/02	MM

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Date Printed: 10/15/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MW-3S **LSL Sample ID:** 0213672-006

Location: City of Rome, Tannery Road L.F.

Sampled: 09/24/02 13:35 **Sampled By:** CF

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	190	mg/l	9/25/02	9/26/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	53	mg/l		10/7/02	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	61	mg/l	10/2/02	10/4/02	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	35	mg/l		9/25/02 16:52	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.0038	mg/l	10/4/02	10/9/02	DWK
(1) EPA 6010 Total Metals					
Boron	1.0	mg/l	9/25/02	9/26/02	PEF
Cadmium	<0.01	mg/l	9/25/02	9/26/02	PEF
Calcium	56	mg/l	9/25/02	9/26/02	PEF
Iron	29	mg/l	9/25/02	9/26/02	PEF
Lead	<0.01	mg/l	9/25/02	9/26/02	PEF
Magnesium	11	mg/l	9/25/02	9/26/02	PEF
Manganese	0.63	mg/l	9/25/02	9/26/02	PEF
Potassium	79	mg/l	9/25/02	9/26/02	PEF
Sodium	54	mg/l	9/25/02	9/26/02	PEF
(1) EPA Method 300.0 A					
Bromide	0.11	mg/l		9/25/02	CAC
Chloride	24	mg/l		9/25/02	CAC
Nitrate as N	0.60	mg/l		9/25/02 21:25	CAC
Sulfate	120	mg/l		9/25/02	CAC
(1) HACH 8000 COD					
Chemical Oxygen Demand	110	mg/l		10/8/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	480	mg/l		10/7/02	SCO
(1) SM 19 5310C TOC					
Total Organic Carbon	47	mg/l		10/3/02	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	610	mg/l		9/30/02	MM

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY*

Sample ID: MW-10 **LSL Sample ID:** 0213672-007

Location: City of Rome, Tannery Road L.F.

Sampled: 09/24/02 14:10 **Sampled By:** CF

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time		Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3						
Hardness, Total	690	mg/l	9/25/02	9/26/02		PEF
(1) EPA 350.1 Ammonia						
Ammonia as N	270	mg/l		10/7/02		DRB
(1) EPA 351.2 TKN as N						
Total Kjeldahl Nitrogen	320	mg/l	10/2/02	10/4/02		DRB
(1) EPA 405.1 BOD-5						
Biochemical Oxygen Demand, 5 Day	46	mg/l		9/25/02	16:52	MM
(1) EPA 420.1 Recoverable Phenolics ML						
Phenolics, Total Recoverable	0.015	mg/l	10/4/02	10/9/02		DWK
(1) EPA 6010 Total Metals						
Boron	3.7	mg/l		9/26/02		PEF
Cadmium	<0.01	mg/l	9/25/02	9/26/02		PEF
Calcium	140	mg/l	9/25/02	9/26/02		PEF
Iron	70	mg/l	9/25/02	9/26/02		PEF
Lead	0.040	mg/l	9/25/02	9/26/02		PEF
Magnesium	83	mg/l	9/25/02	9/26/02		PEF
Manganese	2.4	mg/l	9/25/02	9/26/02		PEF
Potassium	340	mg/l	9/25/02	9/26/02		PEF
Sodium	600	mg/l	9/25/02	9/26/02		PEF
(1) EPA Method 300.0 A						
Bromide	3.9	mg/l		9/25/02		CAC
Chloride	610	mg/l		10/14/02		CAC
Nitrate as N	0.17	mg/l		9/25/02	21:43	CAC
Sulfate	3.6	mg/l		9/25/02		CAC
(1) HACH 8000 COD						
Chemical Oxygen Demand	3200	mg/l		10/8/02		DWK
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	2200	mg/l		10/7/02		SCO
(1) SM 19 5310C TOC						
Total Organic Carbon	230	mg/l		10/3/02		SCO
(1) SM18-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	2500	mg/l		9/30/02		MM

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-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MW-12 **LSL Sample ID:** 0213672-008

Location: City of Rome, Tannery Road L.F.

Sampled: 09/24/02 14:45 **Sampled By:** CF

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time		Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3						
Hardness, Total	630	mg/l	9/25/02	9/26/02		PEF
(1) EPA 350.1 Ammonia						
Ammonia as N	220	mg/l		10/7/02		DRB
(1) EPA 351.2 TKN as N						
Total Kjeldahl Nitrogen	240	mg/l	10/2/02	10/4/02		DRB
(1) EPA 405.1 BOD-5						
Biochemical Oxygen Demand, 5 Day	46	mg/l		9/25/02	16:52	MM
(1) EPA 420.1 Recoverable Phenolics ML						
Phenolics, Total Recoverable	0.021	mg/l	10/4/02	10/9/02		DWK
(1) EPA 6010 Total Metals						
Boron	3.0	mg/l		9/26/02		PEF
Cadmium	<0.01	mg/l	9/25/02	9/26/02		PEF
Calcium	110	mg/l	9/25/02	9/26/02		PEF
Iron	57	mg/l	9/25/02	9/26/02		PEF
Lead	<0.01	mg/l	9/25/02	9/26/02		PEF
Magnesium	88	mg/l	9/25/02	9/26/02		PEF
Manganese	0.45	mg/l	9/25/02	9/26/02		PEF
Potassium	220	mg/l	9/25/02	9/26/02		PEF
Sodium	410	mg/l	9/25/02	9/26/02		PEF
(1) EPA Method 300.0 A						
Bromide	4.8	mg/l		9/25/02		CAC
Chloride	470	mg/l		10/14/02		CAC
Nitrate as N	0.20	mg/l		9/25/02	22:01	CAC
Sulfate	2.2	mg/l		9/25/02		CAC
(1) HACH 8000 COD						
Chemical Oxygen Demand	410	mg/l		10/8/02		DWK
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	1800	mg/l		10/7/02		SCO
(1) SM 19 5310C TOC						
Total Organic Carbon	160	mg/l		10/3/02		SCO
(1) SM18-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	1900	mg/l		9/30/02		MM

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Date Printed: 10/15/02

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

LSL

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Laboratory Analysis Report

For

Delaware Engineering

LSL Project ID: **0218083**

Receive Date/Time: 12/19/02 8:41

Project Received by: CDG

Life Science Laboratories, Inc.

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This report was reviewed by: Lyndon M. Hart *Date:* 1-8-03

Life Science Laboratories, Inc

A copy of this report was sent to:

Date Printed: 1/8/03

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MW-1S **LSL Sample ID:** 0218083-001

Location: Tannery Road

Sampled: 12/18/02 14:35 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time		Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3						
Hardness, Total	7.6	mg/l	12/23/02	12/23/02		PEF
(1) EPA 350.1 Ammonia						
Ammonia as N	<0.03	mg/l		1/2/03		DRB
(1) EPA 351.2 TKN as N						
Total Kjeldahl Nitrogen	0.25	mg/l	1/6/03	1/7/03		DRB
(1) EPA 405.1 BOD-5						
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/02	16:58	MM
(1) EPA 420.1 Recoverable Phenolics ML						
Phenolics, Total Recoverable	<0.002	mg/l	12/30/02	1/6/03		DWK
A trace amount of this analyte was detected in the laboratory blank.						
(1) EPA 6010 Total Metals						
Cadmium	<0.01	mg/l	12/23/02	12/23/02		PEF
Calcium	1.4	mg/l	12/23/02	12/23/02		PEF
Iron	7.2	mg/l	12/23/02	12/23/02		PEF
Lead	<0.01	mg/l	12/23/02	12/23/02		PEF
Magnesium	<1	mg/l	12/23/02	12/23/02		PEF
Manganese	0.045	mg/l	12/23/02	12/23/02		PEF
Potassium	<1	mg/l	12/23/02	12/23/02		PEF
Sodium	<1	mg/l	12/23/02	12/23/02		PEF
(1) EPA Method 300.0 A						
Bromide	<0.1	mg/l		12/19/02		CAC
Chloride	2.6	mg/l		12/19/02		CAC
Nitrate as N	0.14	mg/l		12/19/02	14:34	CAC
Sulfate	6.2	mg/l		12/19/02		CAC
(1) HACH 8000 COD						
Chemical Oxygen Demand	9.9	mg/l		12/23/02		DWK
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	4.0	mg/l		12/31/02		SCO
This result should be considered an estimate due to the presence of headspace in the sample container.						
(1) SM 19 5310C TOC						
Total Organic Carbon	10	mg/l		1/2/03		SCO
(1) SM18-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	42	mg/l		12/24/02		MM

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Date Printed: 1/8/03

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY*

Sample ID: MW-3S **LSL Sample ID:** 0218083-002

Location: Tannery Road

Sampled: 12/18/02 12:16 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time		Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3						
Hardness, Total	150	mg/l	12/23/02	12/23/02		PEF
(1) EPA 350.1 Ammonia						
Ammonia as N	78	mg/l		1/2/03		DRB
(1) EPA 351.2 TKN as N						
Total Kjeldahl Nitrogen	32	mg/l	1/6/03	1/7/03		DRB
(1) EPA 405.1 BOD-5						
Biochemical Oxygen Demand, 5 Day	<10	mg/l		12/19/02	16:58	MM
This result should be considered an estimate due to low oxygen depletion.						
(1) EPA 420.1 Recoverable Phenolics ML						
Phenolics, Total Recoverable	<0.002	mg/l	12/30/02	1/6/03		DWK
(1) EPA 6010 Total Metals						
Cadmium	<0.01	mg/l	12/23/02	12/23/02		PEF
Calcium	46	mg/l	12/23/02	12/23/02		PEF
Iron	14	mg/l	12/23/02	12/23/02		PEF
Lead	<0.01	mg/l	12/23/02	12/23/02		PEF
Magnesium	9.1	mg/l	12/23/02	12/23/02		PEF
Manganese	0.50	mg/l	12/23/02	12/23/02		PEF
Potassium	97	mg/l	12/23/02	12/30/02		PEF
Sodium	76	mg/l	12/23/02	12/23/02		PEF
(1) EPA Method 300.0 A						
Bromide	0.14	mg/l		12/19/02		CAC
Chloride	25	mg/l		12/19/02		CAC
Nitrate as N	<0.1	mg/l		12/19/02	15:27	CAC
Sulfate	110	mg/l		12/19/02		CAC
(1) HACH 8000 COD						
Chemical Oxygen Demand	110	mg/l		12/23/02		DWK
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	550	mg/l		12/31/02		SCO
This result should be considered an estimate due to the presence of headspace in the sample container.						
(1) SM 19 5310C TOC						
Total Organic Carbon	43	mg/l		1/2/03		SCO
(1) SM18-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	580	mg/l		12/20/02		MM

Life Science Laboratories, Inc.

Date Printed: 1/8/03

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MW-4S **LSL Sample ID:** 0218083-003

Location: Tannery Road

Sampled: 12/18/02 11:40 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	42	mg/l	12/23/02	12/23/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	2.3	mg/l		1/2/03	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	2.4	mg/l	1/6/03	1/7/03	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<10	mg/l		12/19/02 16:58	MM
This result should be considered an estimate due to low oxygen depletion.					
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.0022	mg/l	12/30/02	1/6/03	DWK
(1) EPA 6010 Total Metals					
Cadmium	<0.01	mg/l	12/23/02	12/23/02	PEF
Calcium	10	mg/l	12/23/02	12/23/02	PEF
Iron	4.8	mg/l	12/23/02	12/23/02	PEF
Lead	<0.01	mg/l	12/23/02	12/23/02	PEF
Magnesium	3.8	mg/l	12/23/02	12/23/02	PEF
Manganese	0.27	mg/l	12/23/02	12/23/02	PEF
Potassium	13	mg/l	12/23/02	12/23/02	PEF
Sodium	4.6	mg/l	12/23/02	12/23/02	PEF
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		12/19/02	CAC
Chloride	4.6	mg/l		12/19/02	CAC
Nitrate as N	<0.1	mg/l		12/19/02 15:44	CAC
Sulfate	39	mg/l		12/19/02	CAC
(1) HACH 8000 COD					
Chemical Oxygen Demand	44	mg/l		12/23/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	20	mg/l		12/31/02	SCO
This result should be considered an estimate due to the presence of headspace in the sample container.					
(1) SM 19 5310C TOC					
Total Organic Carbon	21	mg/l		1/2/03	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	130	mg/l		12/20/02	MM

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY*

Sample ID: MW-5S **LSL Sample ID:** 0218083-004
Location: Tannery Road
Sampled: 12/18/02 10:33 **Sampled By:** BZ
Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time		Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3						
Hardness, Total	120	mg/l	12/23/02	12/23/02		PEF
(1) EPA 350.1 Ammonia						
Ammonia as N	0.57	mg/l		1/2/03		DRB
(1) EPA 351.2 TKN as N						
Total Kjeldahl Nitrogen	0.63	mg/l	1/6/03	1/7/03		DRB
(1) EPA 405.1 BOD-5						
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/02	16:58	MM
(1) EPA 420.1 Recoverable Phenolics ML						
Phenolics, Total Recoverable	<0.002	mg/l	12/30/02	1/6/03		DWK
(1) EPA 6010 Total Metals						
Cadmium	<0.01	mg/l	12/23/02	12/23/02		PEF
Calcium	41	mg/l	12/23/02	12/23/02		PEF
Iron	11	mg/l	12/23/02	12/23/02		PEF
Lead	<0.01	mg/l	12/23/02	12/23/02		PEF
Magnesium	5.0	mg/l	12/23/02	12/23/02		PEF
Manganese	1.4	mg/l	12/23/02	12/23/02		PEF
Potassium	5.0	mg/l	12/23/02	12/23/02		PEF
Sodium	1.4	mg/l	12/23/02	12/23/02		PEF
(1) EPA Method 300.0 A						
Bromide	<0.1	mg/l		12/19/02		CAC
Chloride	2.8	mg/l		12/19/02		CAC
Nitrate as N	<0.1	mg/l		12/19/02	16:02	CAC
Sulfate	23	mg/l		12/19/02		CAC
(1) HACH 8000 COD						
Chemical Oxygen Demand	20	mg/l		12/23/02		DWK
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	110	mg/l		12/31/02		SCO
This result should be considered an estimate due to the presence of headspace in the sample container.						
(1) SM 19 5310C TOC						
Total Organic Carbon	8.1	mg/l		1/2/03		SCO
(1) SM18-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	170	mg/l		12/20/02		MM

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Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MW-7D **LSL Sample ID:** 0218083-005

Location: Tannery Road

Sampled: 12/18/02 9:33 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	240	mg/l	12/23/02	12/23/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	34	mg/l		1/2/03	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	36	mg/l	1/6/03	1/7/03	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<20	mg/l		12/19/02 16:58	MM
This result should be considered an estimate due to low oxygen depletion.					
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.0030	mg/l	12/30/02	1/6/03	DWK
(1) EPA 6010 Total Metals					
Cadmium	<0.01	mg/l	12/23/02	12/23/02	PEF
Calcium	63	mg/l	12/23/02	12/23/02	PEF
Iron	34	mg/l	12/23/02	12/23/02	PEF
Lead	0.014	mg/l	12/23/02	12/23/02	PEF
Magnesium	20	mg/l	12/23/02	12/23/02	PEF
Manganese	0.65	mg/l	12/23/02	12/23/02	PEF
Potassium	40	mg/l	12/23/02	12/23/02	PEF
Sodium	37	mg/l	12/23/02	12/23/02	PEF
(1) EPA Method 300.0 A					
Bromide	0.11	mg/l		12/19/02	CAC
Chloride	7.0	mg/l		12/19/02	CAC
Nitrate as N	<0.1	mg/l		12/19/02 16:19	CAC
Sulfate	8.6	mg/l		12/19/02	CAC
(1) HACH 8000 COD					
Chemical Oxygen Demand	100	mg/l		12/23/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	360	mg/l		12/31/02	SCO
This result should be considered an estimate due to the presence of headspace in the sample container.					
(1) SM 19 5310C TOC					
Total Organic Carbon	41	mg/l		1/2/03	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	520	mg/l		12/20/02	MM

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MW-9S **LSL Sample ID:** 0218083-006

Location: Tannery Road

Sampled: 12/18/02 13:03 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time		Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3						
Hardness, Total	730	mg/l	12/23/02	12/23/02		PEF
(1) EPA 350.1 Ammonia						
Ammonia as N	0.56	mg/l		1/2/03		DRB
(1) EPA 351.2 TKN as N						
Total Kjeldahl Nitrogen	0.52	mg/l	1/6/03	1/7/03		DRB
(1) EPA 405.1 BOD-5						
Biochemical Oxygen Demand, 5 Day	4.5	mg/l		12/19/02	16:58	MM
(1) EPA 420.1 Recoverable Phenolics ML						
Phenolics, Total Recoverable	<0.002	mg/l	12/30/02	1/6/03		DWK
(1) EPA 6010 Total Metals						
Cadmium	<0.01	mg/l	12/23/02	12/23/02		PEF
Calcium	200	mg/l	12/23/02	12/23/02		PEF
Iron	52	mg/l	12/23/02	12/23/02		PEF
Lead	0.041	mg/l	12/23/02	12/23/02		PEF
Magnesium	60	mg/l	12/23/02	12/23/02		PEF
Manganese	3.0	mg/l	12/23/02	12/23/02		PEF
Potassium	5.4	mg/l	12/23/02	12/23/02		PEF
Sodium	40	mg/l	12/23/02	12/23/02		PEF
(1) EPA Method 300.0 A						
Bromide	<0.1	mg/l		12/19/02		CAC
Chloride	3.2	mg/l		12/19/02		CAC
Nitrate as N	<0.1	mg/l		12/19/02	16:37	CAC
Sulfate	6.2	mg/l		12/19/02		CAC
(1) HACH 8000 COD						
Chemical Oxygen Demand	64	mg/l		12/23/02		DWK
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	250	mg/l		12/31/02		SCO
This result should be considered an estimate due to the presence of headspace in the sample container.						
(1) SM 19 5310C TOC						
Total Organic Carbon	26	mg/l		1/2/03		SCO
(1) SM18-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	380	mg/l		12/20/02		MM

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Date Printed: 1/8/03

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MW-10 **LSL Sample ID:** 0218083-007

Location: Tannery Road

Sampled: 12/18/02 13:55 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	480	mg/l	12/23/02	12/23/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	200	mg/l		1/2/03	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	220	mg/l	1/6/03	1/7/03	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	34	mg/l		12/19/02 16:58	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.026	mg/l	12/30/02	1/6/03	DWK
(1) EPA 6010 Total Metals					
Cadmium	<0.01	mg/l	12/23/02	12/23/02	PEF
Calcium	100	mg/l	12/23/02	12/23/02	PEF
Iron	48	mg/l	12/23/02	12/23/02	PEF
Lead	0.022	mg/l	12/23/02	12/23/02	PEF
Magnesium	53	mg/l	12/23/02	12/23/02	PEF
Manganese	1.6	mg/l	12/23/02	12/23/02	PEF
Potassium	180	mg/l	12/23/02	12/30/02	PEF
Sodium	250	mg/l	12/23/02	12/23/02	PEF
(1) EPA Method 300.0 A					
Bromide	1.9	mg/l		12/19/02	CAC
Chloride	380	mg/l		1/3/03	CAC
Nitrate as N	<0.1	mg/l		12/19/02 16:55	CAC
Sulfate	2.2	mg/l		12/19/02	CAC
(1) HACH 8000 COD					
Chemical Oxygen Demand	270	mg/l		12/23/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	1500	mg/l		12/31/02	SCO
This result should be considered an estimate due to the presence of headspace in the sample container.					
(1) SM 19 5310C TOC					
Total Organic Carbon	99	mg/l		1/3/03	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	1500	mg/l		12/20/02	MM

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MW-12 **LSL Sample ID:** 0218083-008

Location: Tannery Road

Sampled: 12/18/02 15:08 **Sampled By:** BZ

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	660	mg/l	12/23/02	12/23/02	PEF
(1) EPA 350.1 Ammonia					
Ammonia as N	200	mg/l		1/2/03	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	220	mg/l	1/6/03	1/7/03	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	37	mg/l		12/19/02 16:58	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.017	mg/l	12/30/02	1/6/03	DWK
(1) EPA 6010 Total Metals					
Cadmium	<0.01	mg/l	12/23/02	12/23/02	PEF
Calcium	120	mg/l	12/23/02	12/23/02	PEF
Iron	54	mg/l	12/23/02	12/23/02	PEF
Lead	0.018	mg/l	12/23/02	12/23/02	PEF
Magnesium	90	mg/l	12/23/02	12/23/02	PEF
Manganese	0.46	mg/l	12/23/02	12/23/02	PEF
Potassium	210	mg/l	12/23/02	12/30/02	PEF
Sodium	430	mg/l	12/23/02	12/23/02	PEF
(1) EPA Method 300.0 A					
Bromide	4.8	mg/l		12/19/02	CAC
Chloride	460	mg/l		1/3/03	CAC
Nitrate as N	0.25	mg/l		12/19/02 17:12	CAC
Sulfate	2.5	mg/l		12/19/02	CAC
(1) HACH 8000 COD					
Chemical Oxygen Demand	400	mg/l		12/23/02	DWK
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	1700	mg/l		12/31/02	SCO
This result should be considered an estimate due to the presence of headspace in the sample container.					
(1) SM 19 5310C TOC					
Total Organic Carbon	180	mg/l		1/3/03	SCO
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	1800	mg/l		12/20/02	MM

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Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MS **LSL Sample ID:** 0218083-009

Location: Tannery Road

Sampled: 12/18/02 0:00 **Sampled By:**

Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time		Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3						
Hardness, Total	N/A					
(1) EPA 350.1 Ammonia						
Ammonia as N	95	%R		1/2/03		DRB
(1) EPA 351.2 TKN as N						
Total Kjeldahl Nitrogen	53	%R	1/6/03	1/7/03		DRB
(1) EPA 405.1 BOD-5						
Biochemical Oxygen Demand, 5 Day		N/A		12/19/02	16:58	MM
(1) EPA 420.1 Recoverable Phenolics ML						
Phenolics, Total Recoverable	60	%R	12/30/02	1/6/03		DWK
(1) EPA 6010 Total Metals						
Cadmium	111	%R	12/23/02	12/23/02		PEF
Calcium	117	%R	12/23/02	12/23/02		PEF
Iron	103	%R	12/23/02	12/23/02		PEF
Lead	108	%R	12/23/02	12/23/02		PEF
Magnesium	109	%R	12/23/02	12/23/02		PEF
Manganese	114	%R	12/23/02	12/23/02		PEF
Potassium	98.3	%R	12/23/02	12/23/02		PEF
Sodium	89.3	%R	12/23/02	12/23/02		PEF
(1) EPA Method 300.0 A						
Bromide	99	%R		12/19/02		CAC
Chloride	80	%R		12/19/02		CAC
Nitrate as N	92	%R		12/19/02	15:09	CAC
Sulfate	87	%R		12/19/02		CAC
(1) HACH 8000 COD						
Chemical Oxygen Demand	100	%R		12/23/02		DWK
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	96	%R		12/31/02		SCO
(1) SM 19 5310C TOC						
Total Organic Carbon	87	%R		1/2/03		SCO
(1) SM18-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C		N/A		12/20/02		MM

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering *Albany, NY*

Sample ID: MSD **LSL Sample ID:** 0218083-010

Location: Tannery Road

Sampled: 12/18/02 0:00 **Sampled By:**

Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time		Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3						
Hardness, Total	N/A					
(1) EPA 350.1 Ammonia						
Ammonia as N	<1	RPD		1/2/03		DRB
(1) EPA 351.2 TKN as N						
Total Kjeldahl Nitrogen	4	RPD	1/6/03	1/7/03		DRB
(1) EPA 405.1 BOD-5						
Biochemical Oxygen Demand, 5 Day	<1	RPD		12/19/02	16:58	MM
(1) EPA 420.1 Recoverable Phenolics ML						
Phenolics, Total Recoverable	N/A			1/6/03		DWK
(1) EPA 6010 Total Metals						
Cadmium	<1	RPD	12/23/02	12/23/02		PEF
Calcium	2.4	RPD	12/23/02	12/23/02		PEF
Iron	4.8	RPD	12/23/02	12/23/02		PEF
Lead	<1	RPD	12/23/02	12/23/02		PEF
Magnesium	<1	RPD	12/23/02	12/23/02		PEF
Manganese	3.5	RPD	12/23/02	12/23/02		PEF
Potassium	<1	RPD	12/23/02	12/23/02		PEF
Sodium	<1	RPD	12/23/02	12/23/02		PEF
(1) EPA Method 300.0 A						
Bromide	NA			12/19/02		CAC
Chloride	<1	RPD		12/19/02		CAC
Nitrate as N	6	RPD		12/19/02	14:51	CAC
Sulfate	1	RPD		12/19/02		CAC
(1) HACH 8000 COD						
Chemical Oxygen Demand	10	RPD		12/23/02		DWK
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	67	RPD		12/31/02		SCO
(1) SM 19 5310C TOC						
Total Organic Carbon	19	RPD		1/2/03		SCO
(1) SM18-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	15	RPD		12/24/02		MM

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Date Printed: 1/8/03

Analysis performed at NYS DOH ELAP Number: *(1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369*

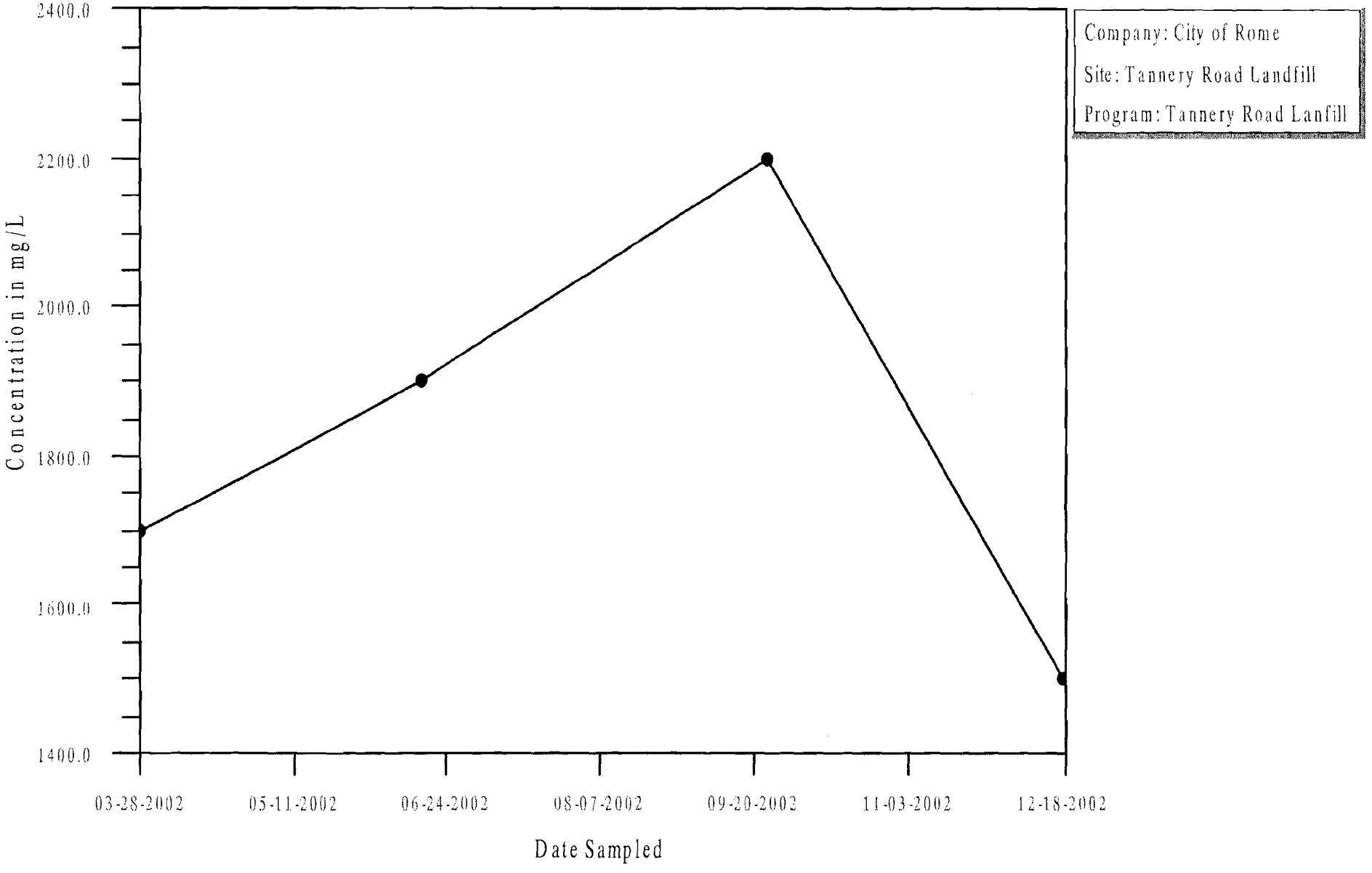
APPENDIX C

MONITORING WELL AND LEACHATE WELL

TIME SERIES CONCENTRATION GRAPHS

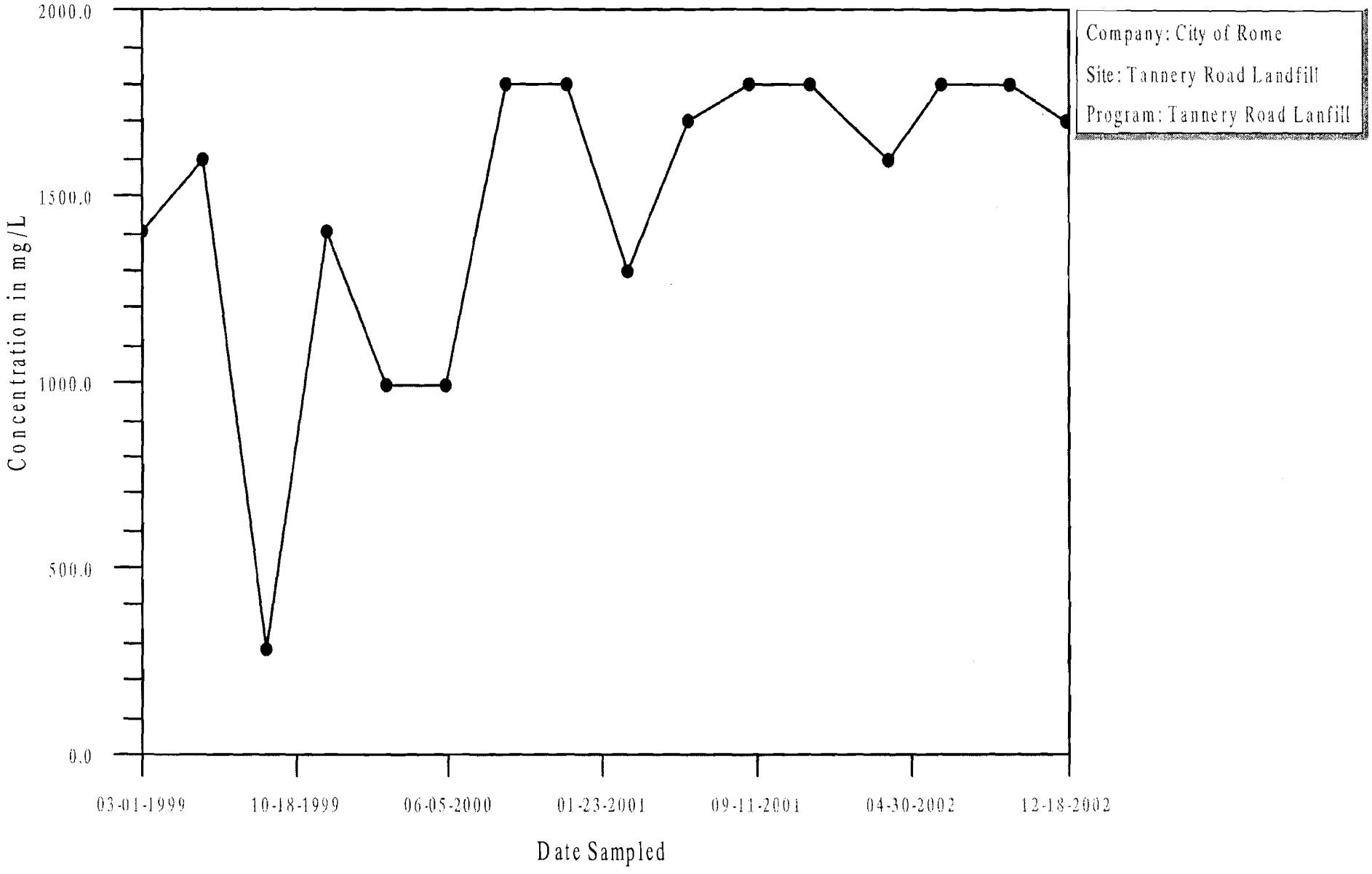
Time-Series Plot

Total Alkalinity, LMW-10



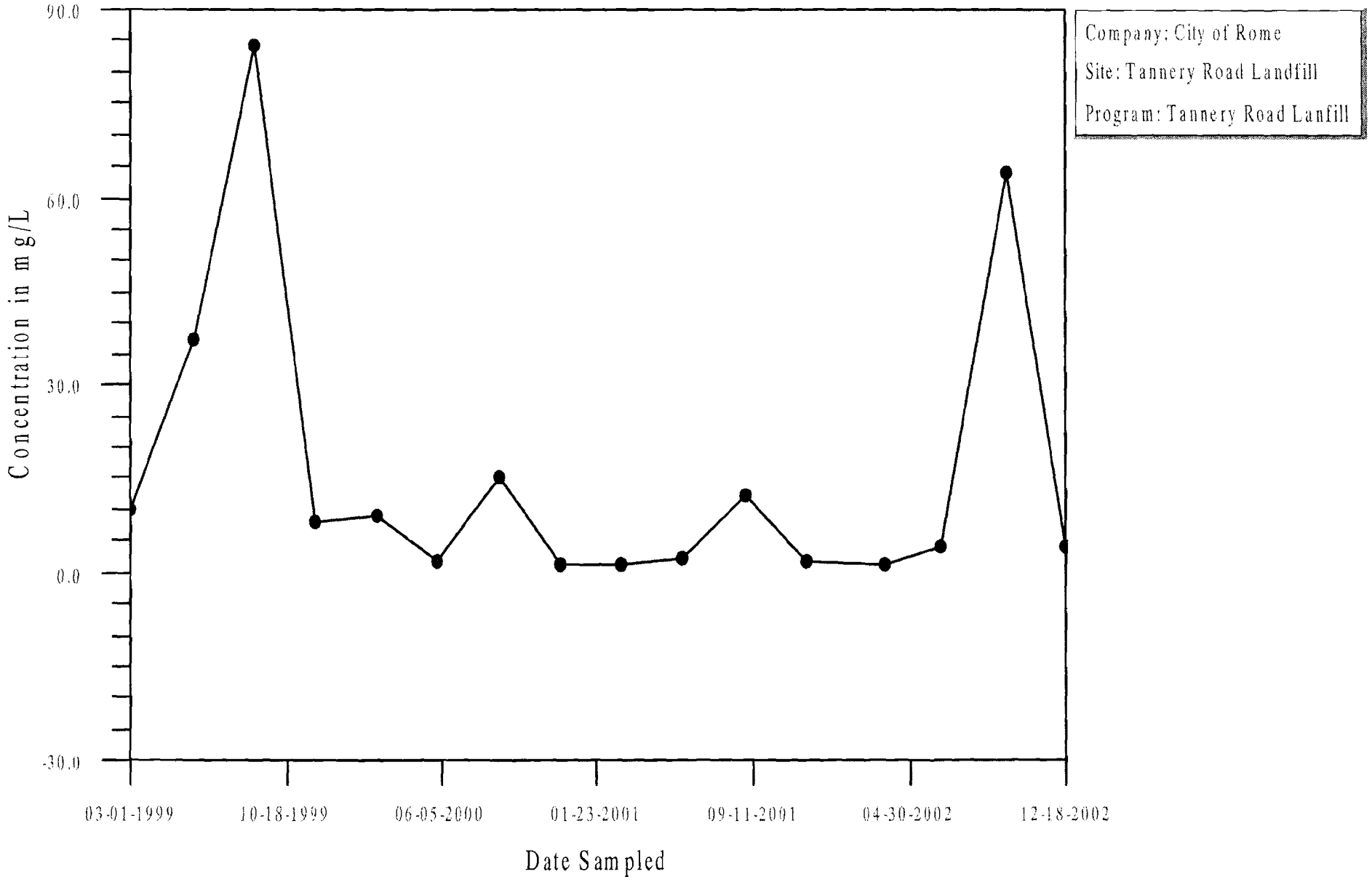
Time-Series Plot

Total Alkalinity, LMW-12



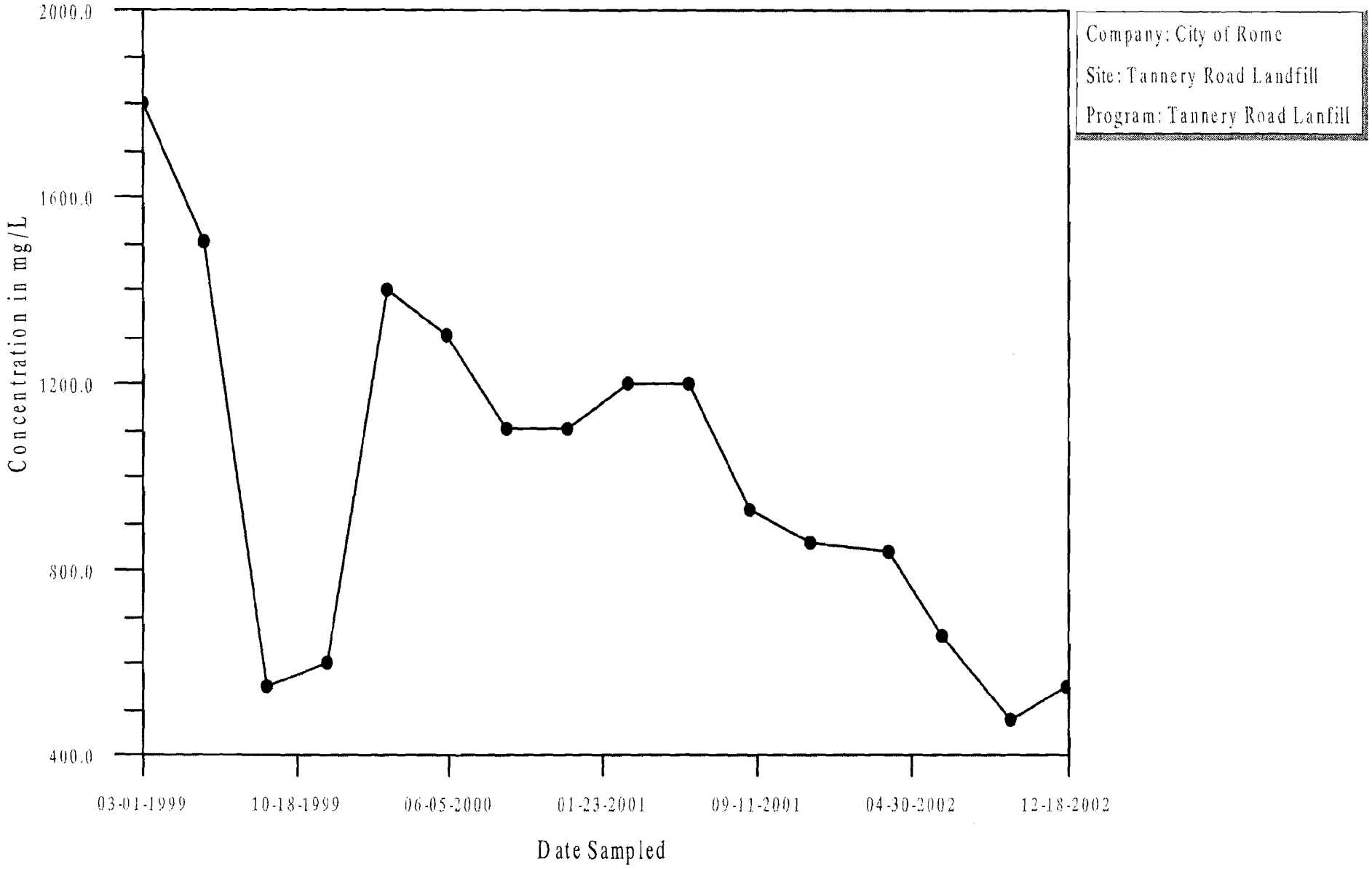
Time-Series Plot

Total Alkalinity, MW-1S



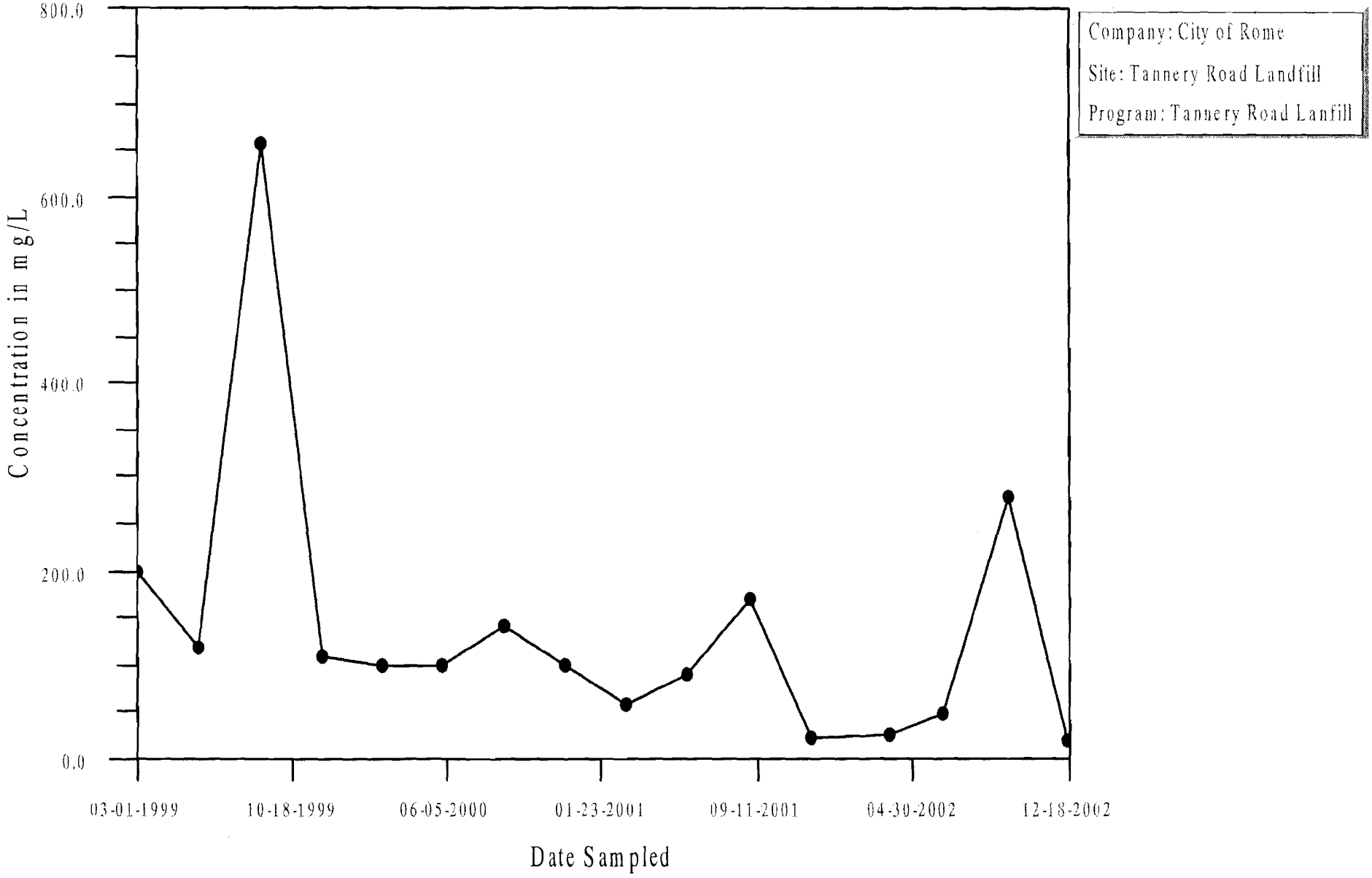
Time-Series Plot

Total Alkalinity, MW-3S



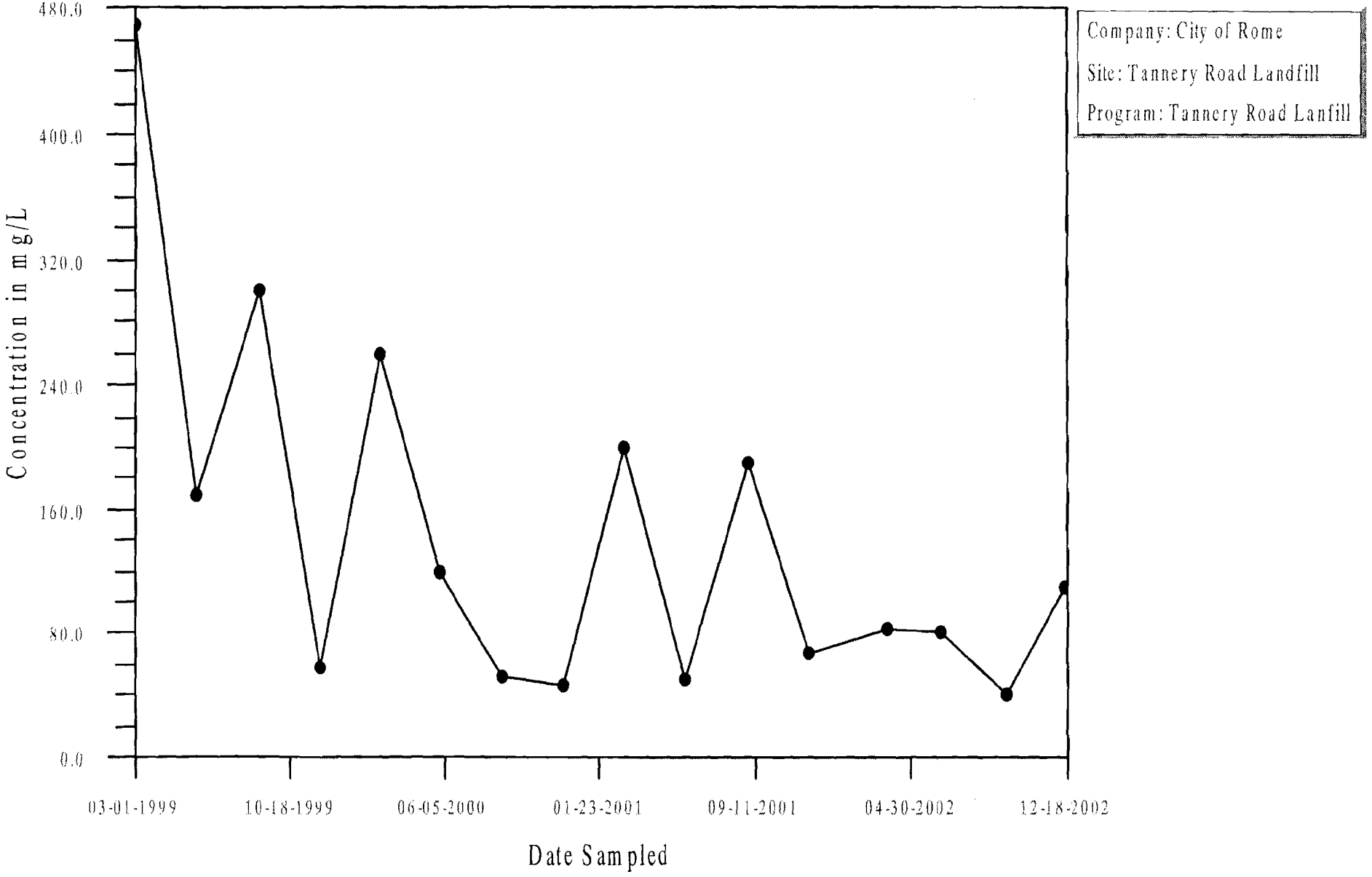
Time-Series Plot

Total Alkalinity, MW-4S



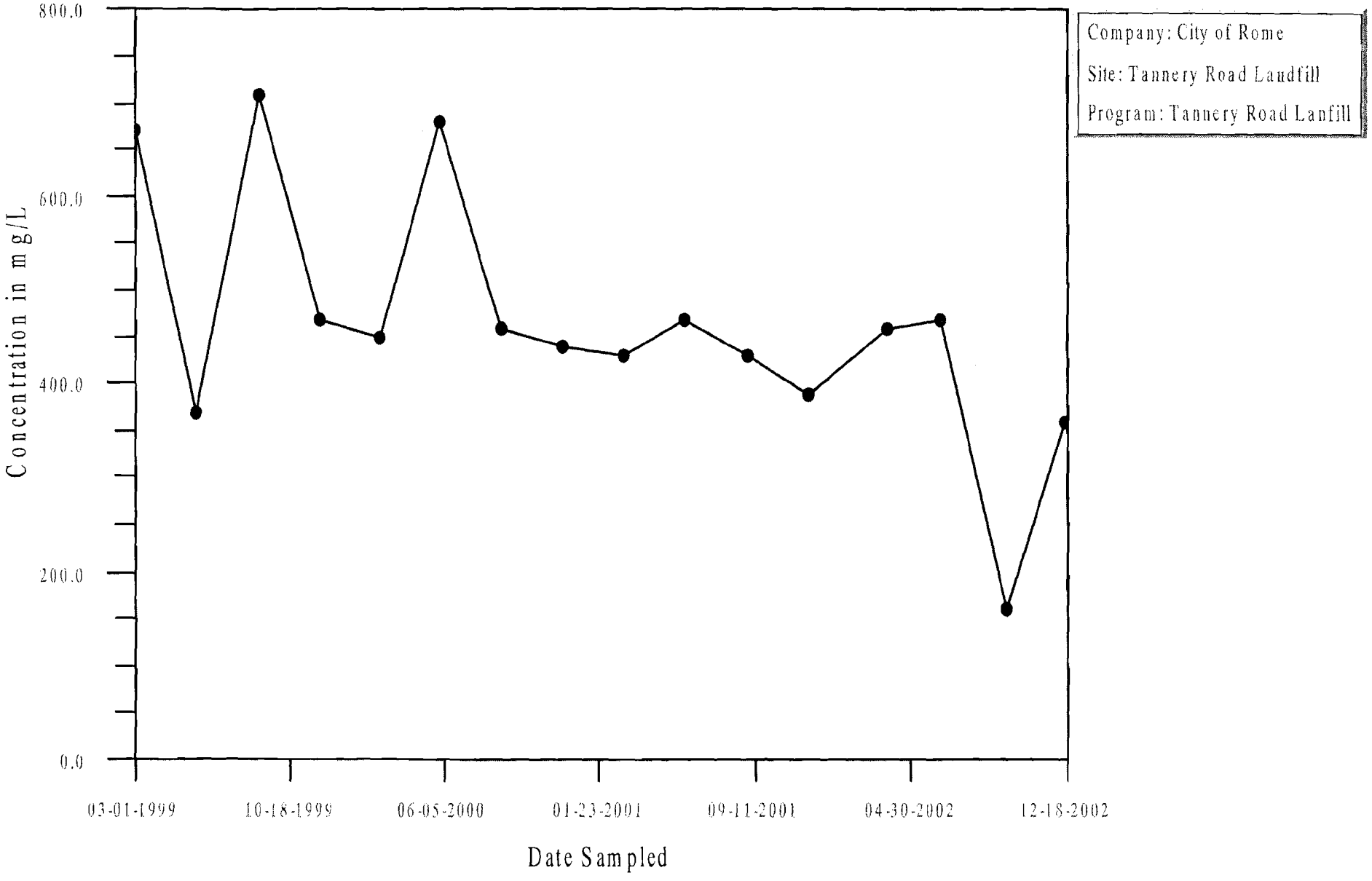
Time-Series Plot

Total Alkalinity, MW-5S



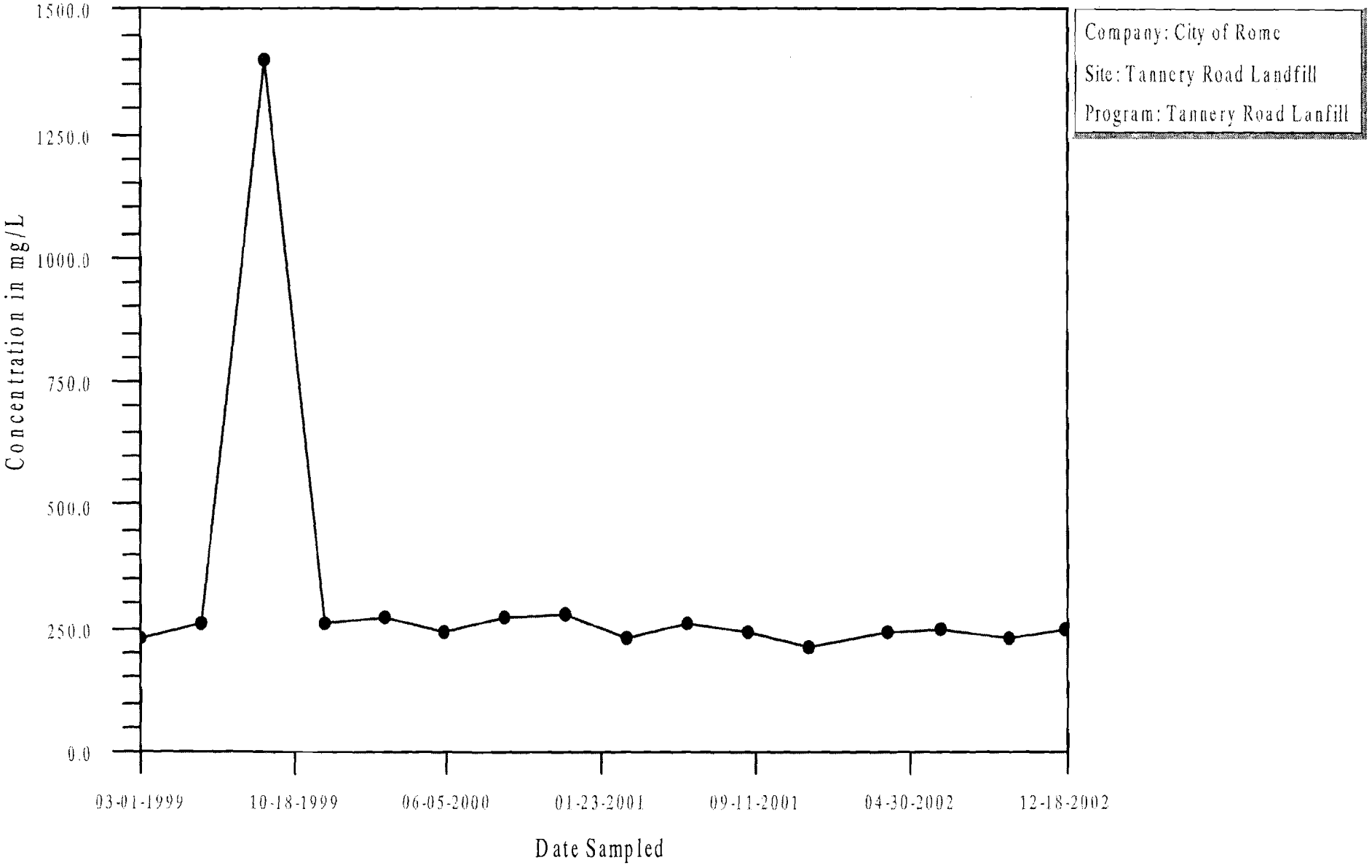
Time-Series Plot

Total Alkalinity, MW-7D



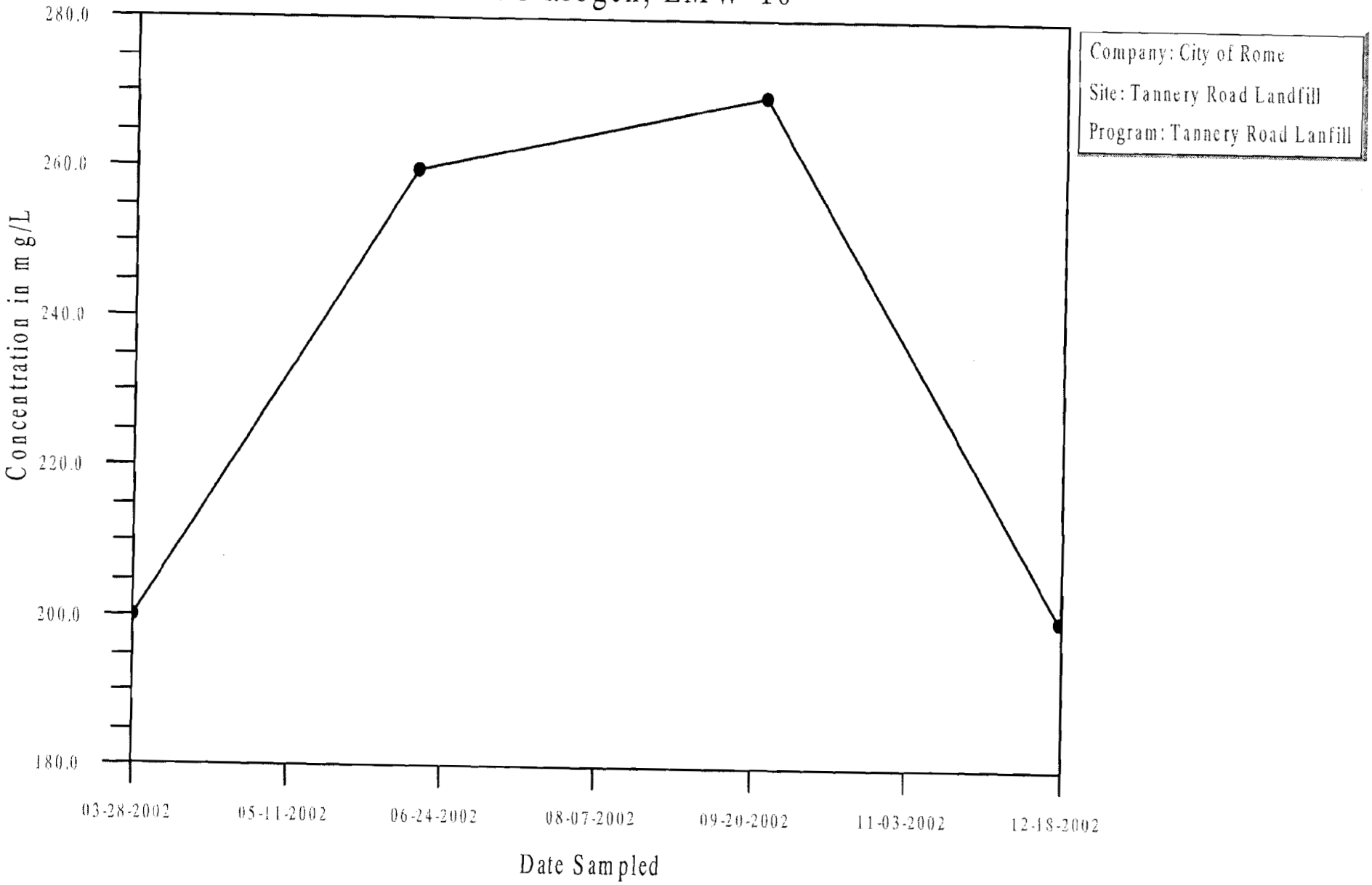
Time-Series Plot

Total Alkalinity, MW-9S



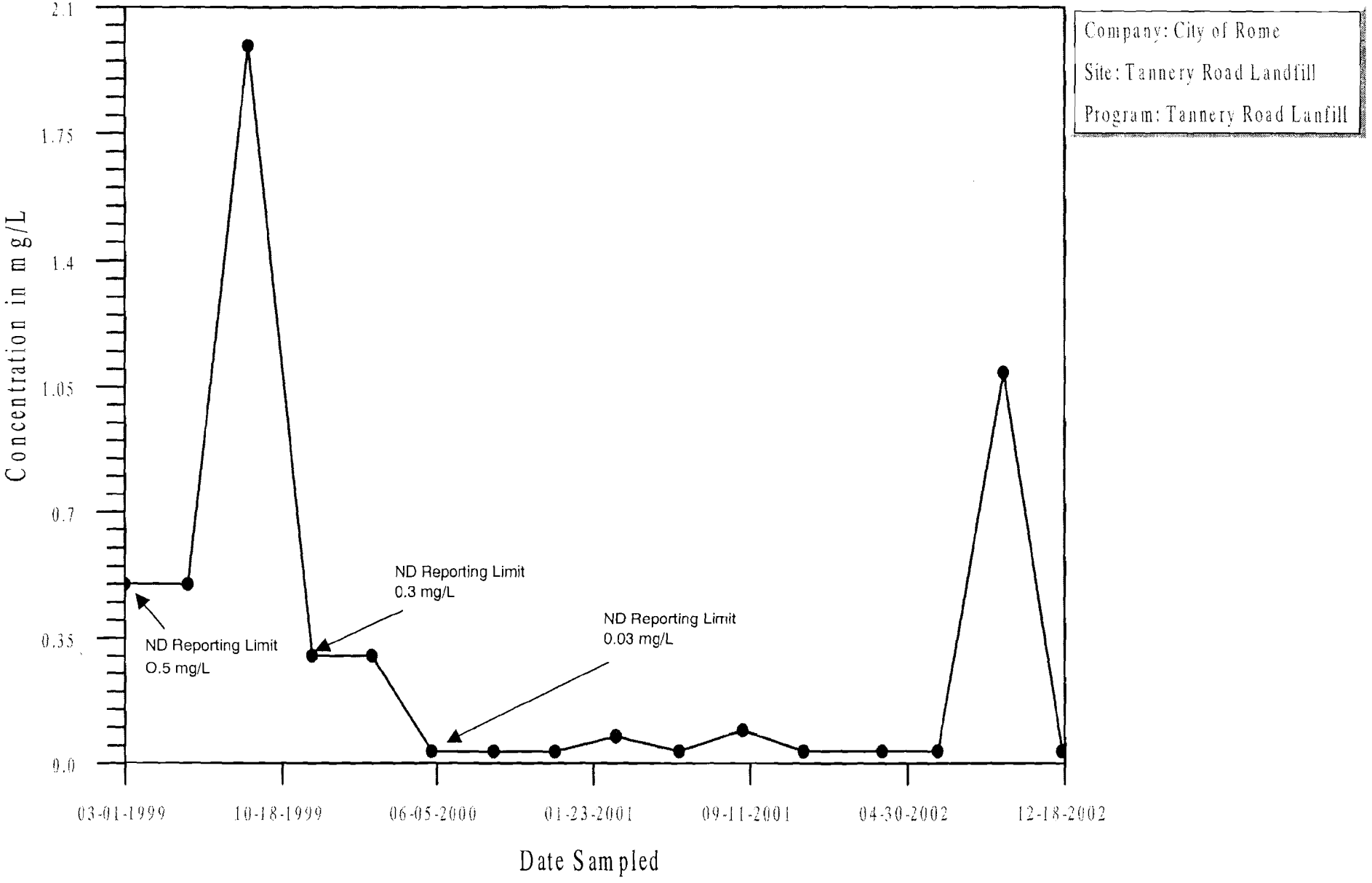
Time-Series Plot

Ammonia-Nitrogen, LMW-10



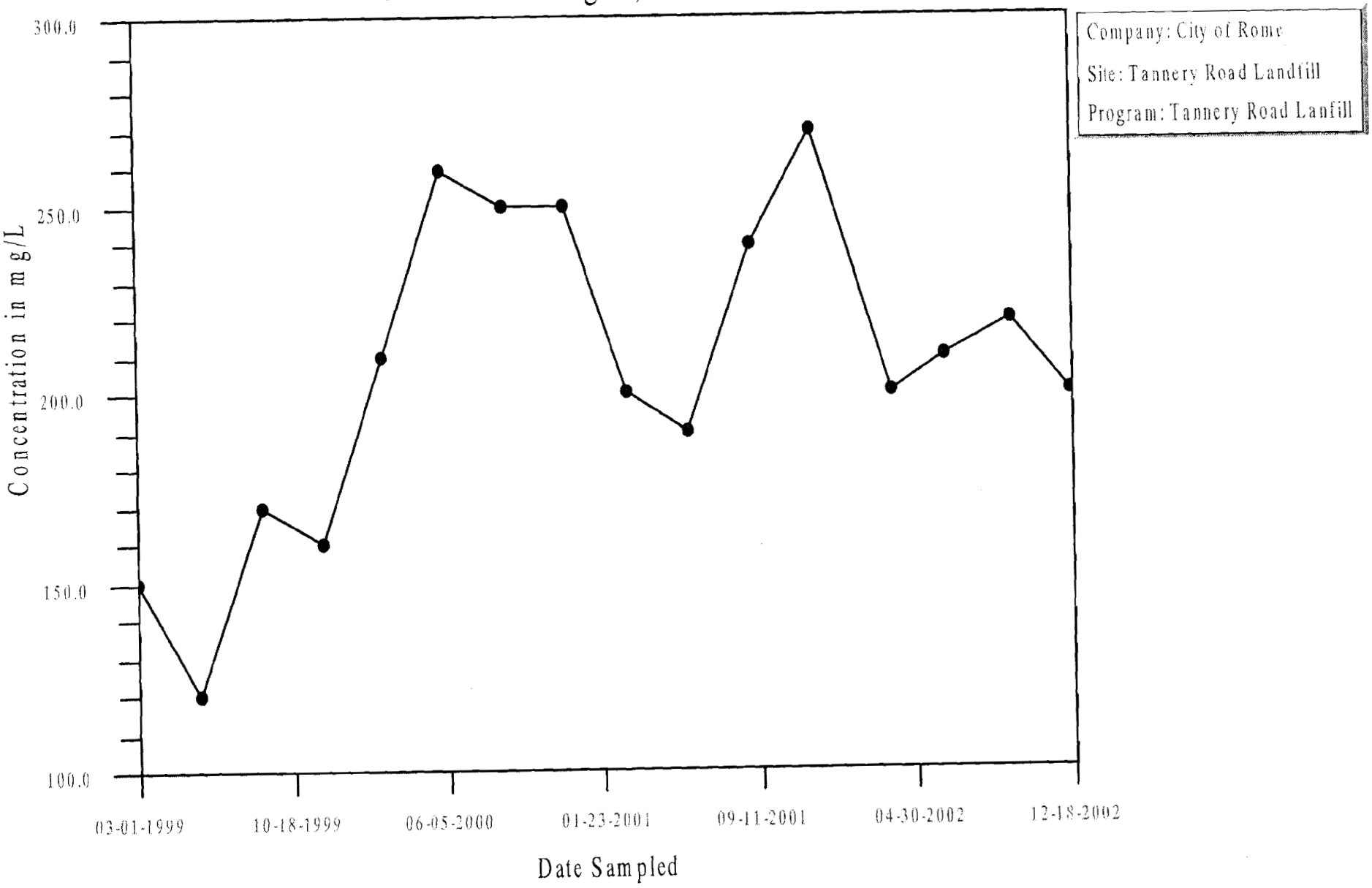
Time-Series Plot

Ammonia-Nitrogen, MW-1S



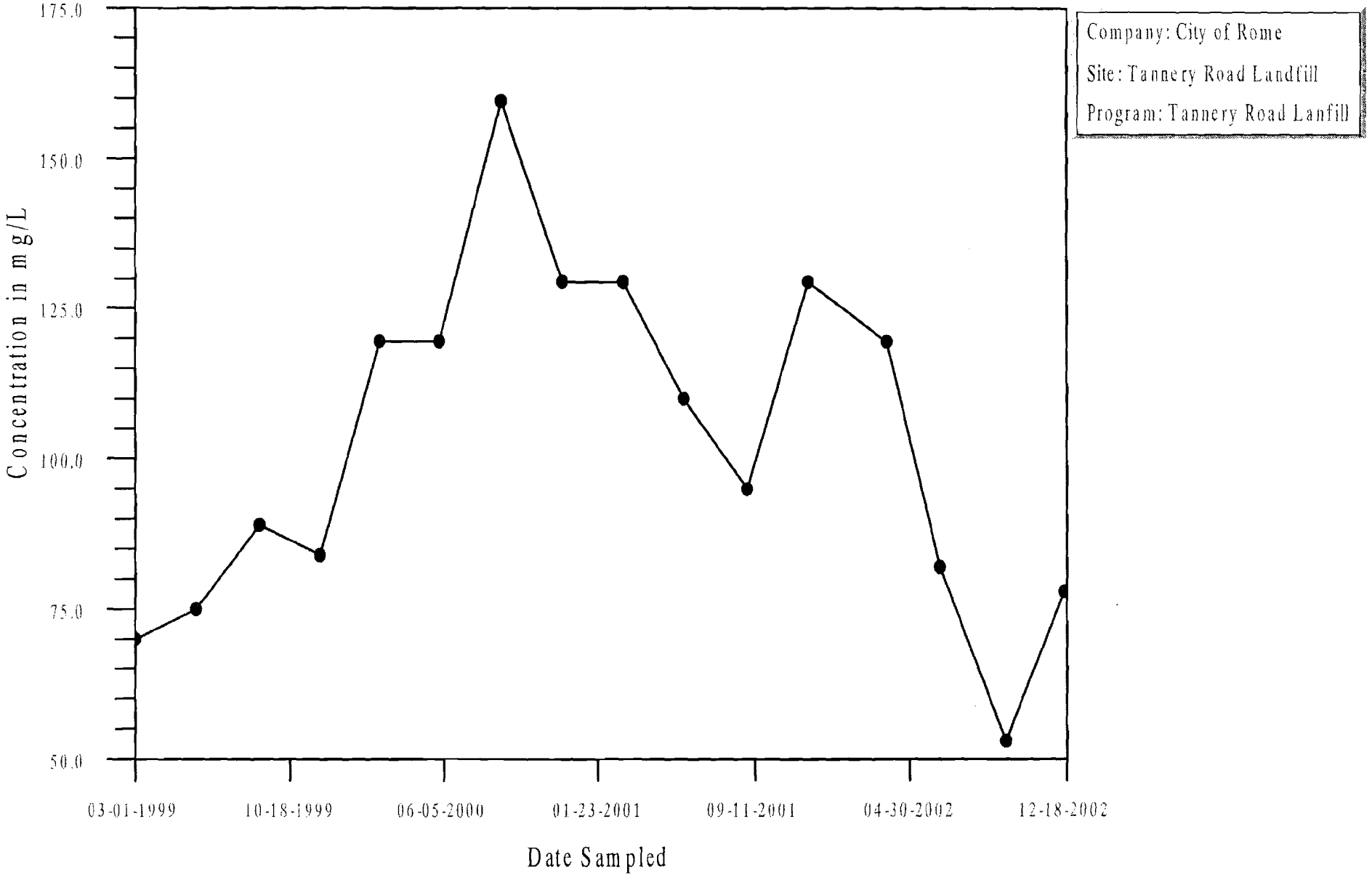
Time-Series Plot

Ammonia-Nitrogen, LMW-12



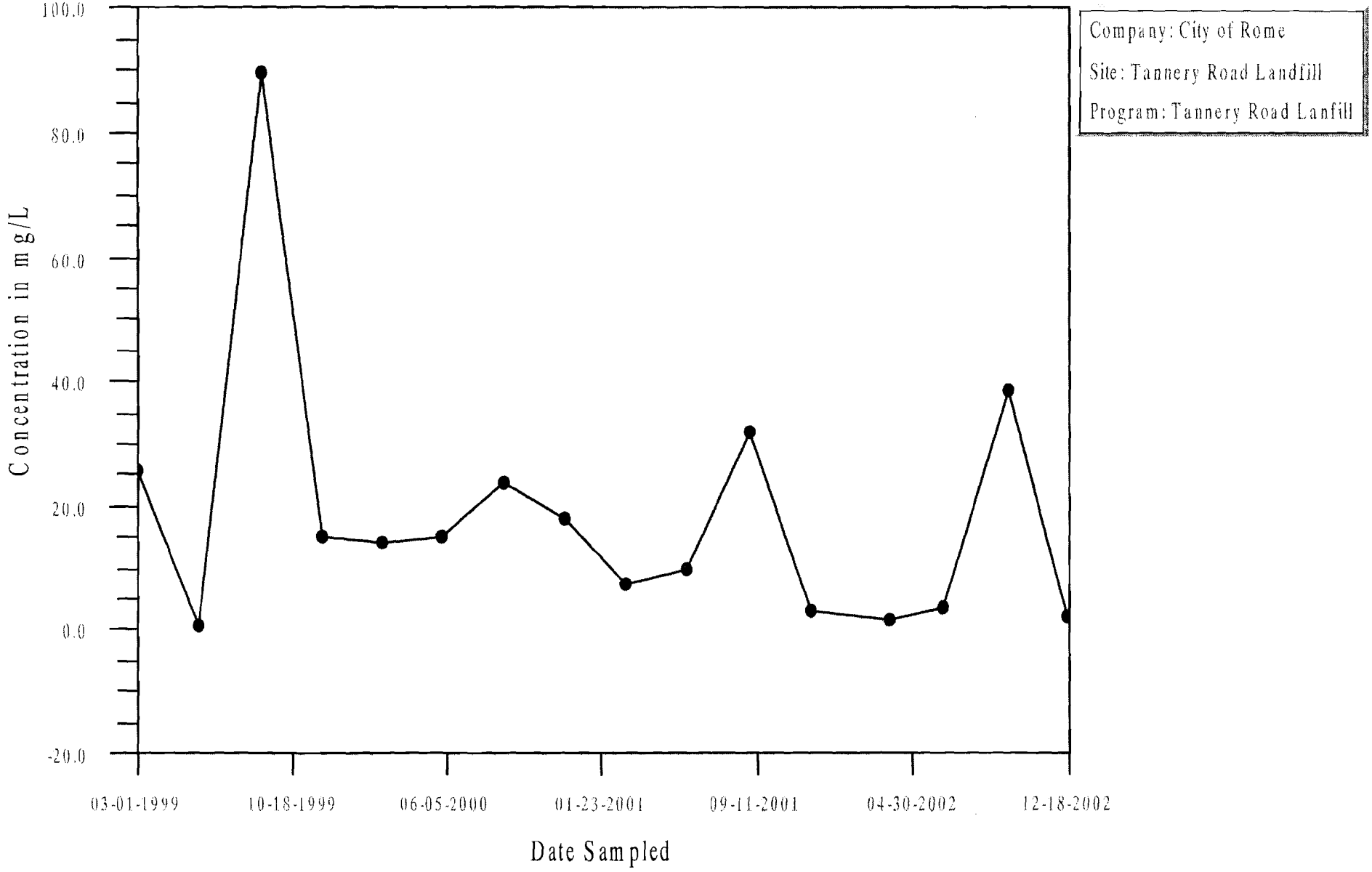
Time-Series Plot

Ammonia-Nitrogen, MW-3S



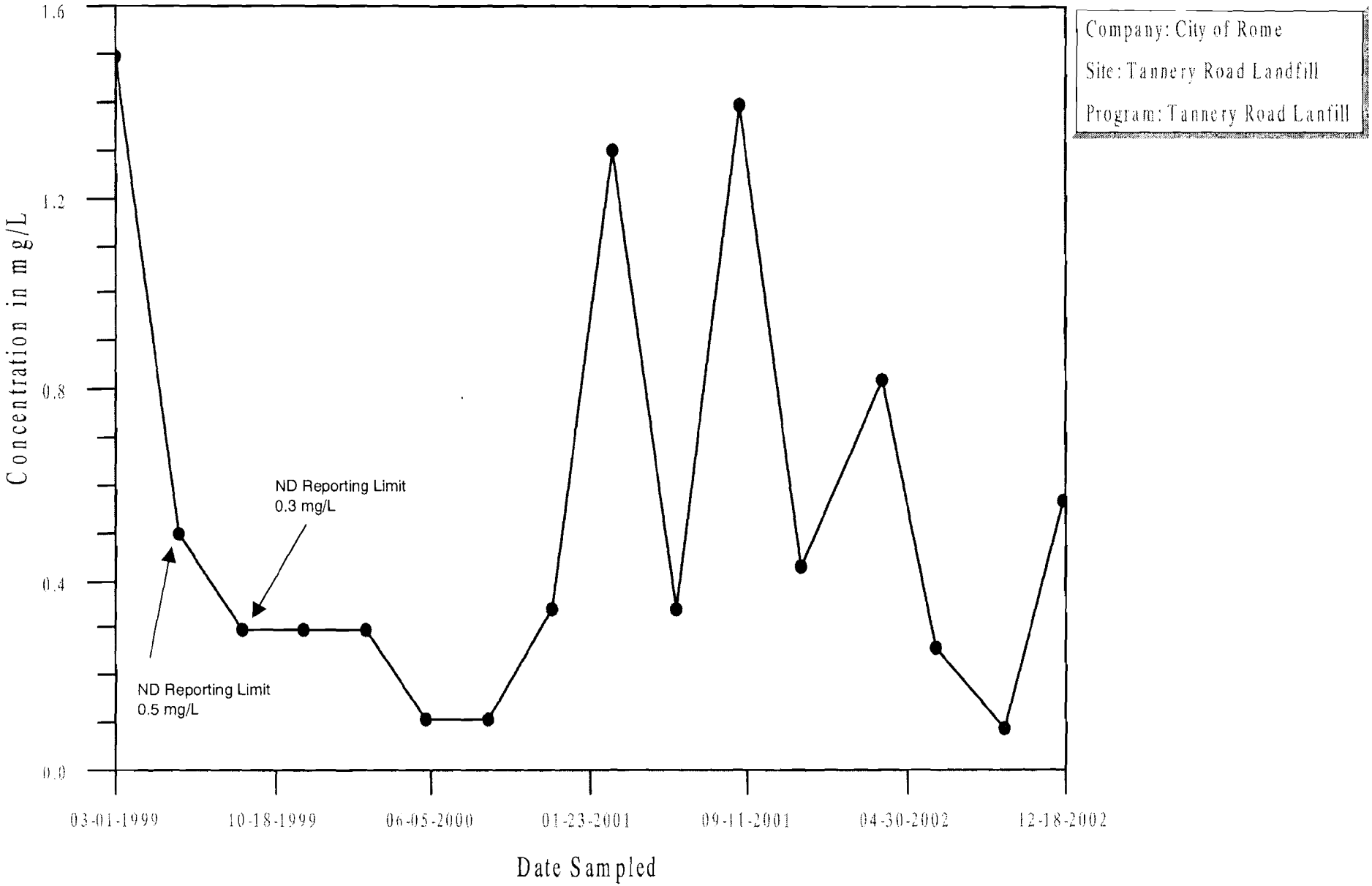
Time-Series Plot

Ammonia-Nitrogen, MW-4S



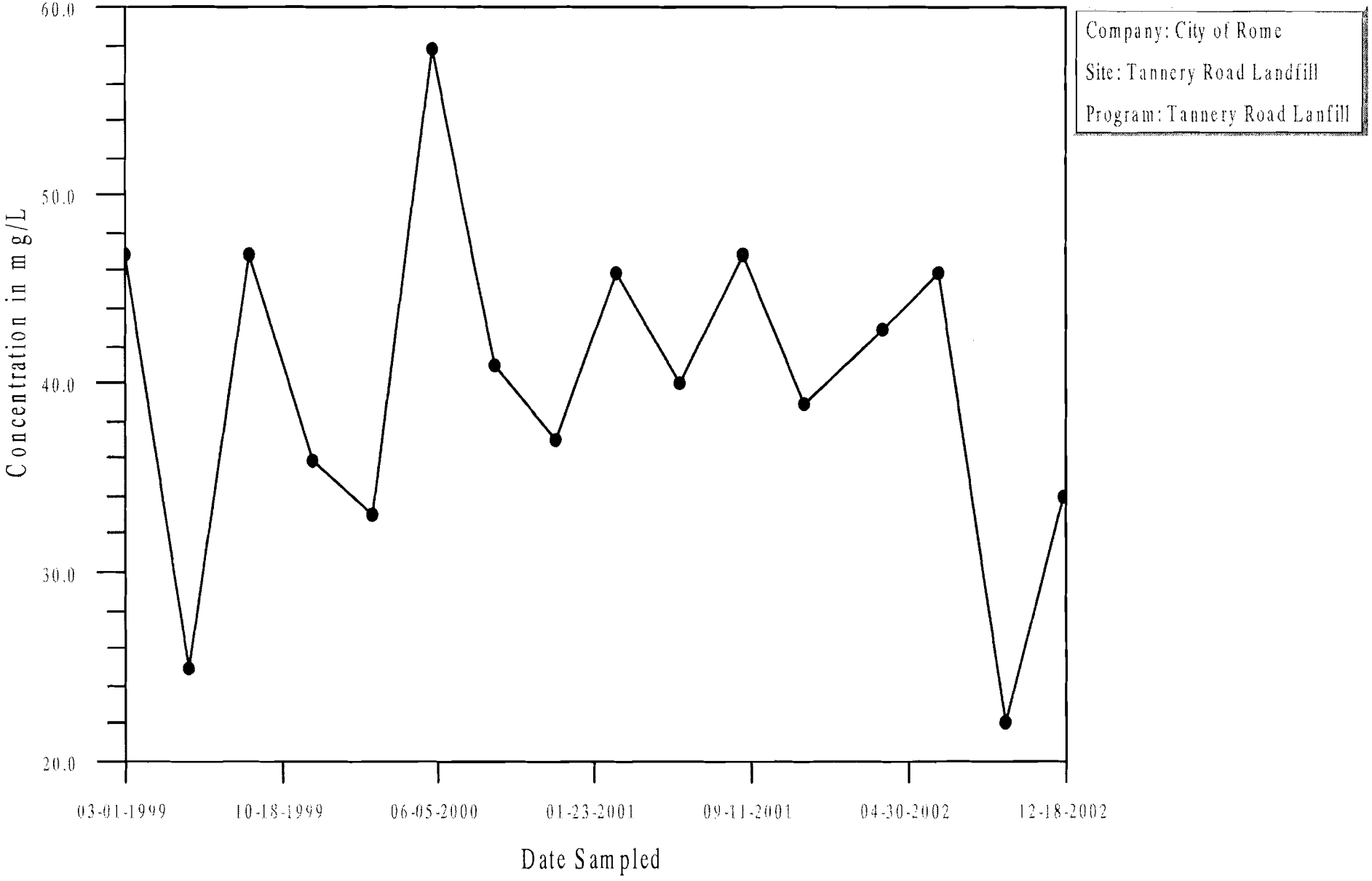
Time-Series Plot

Ammonia-Nitrogen, MW-5S



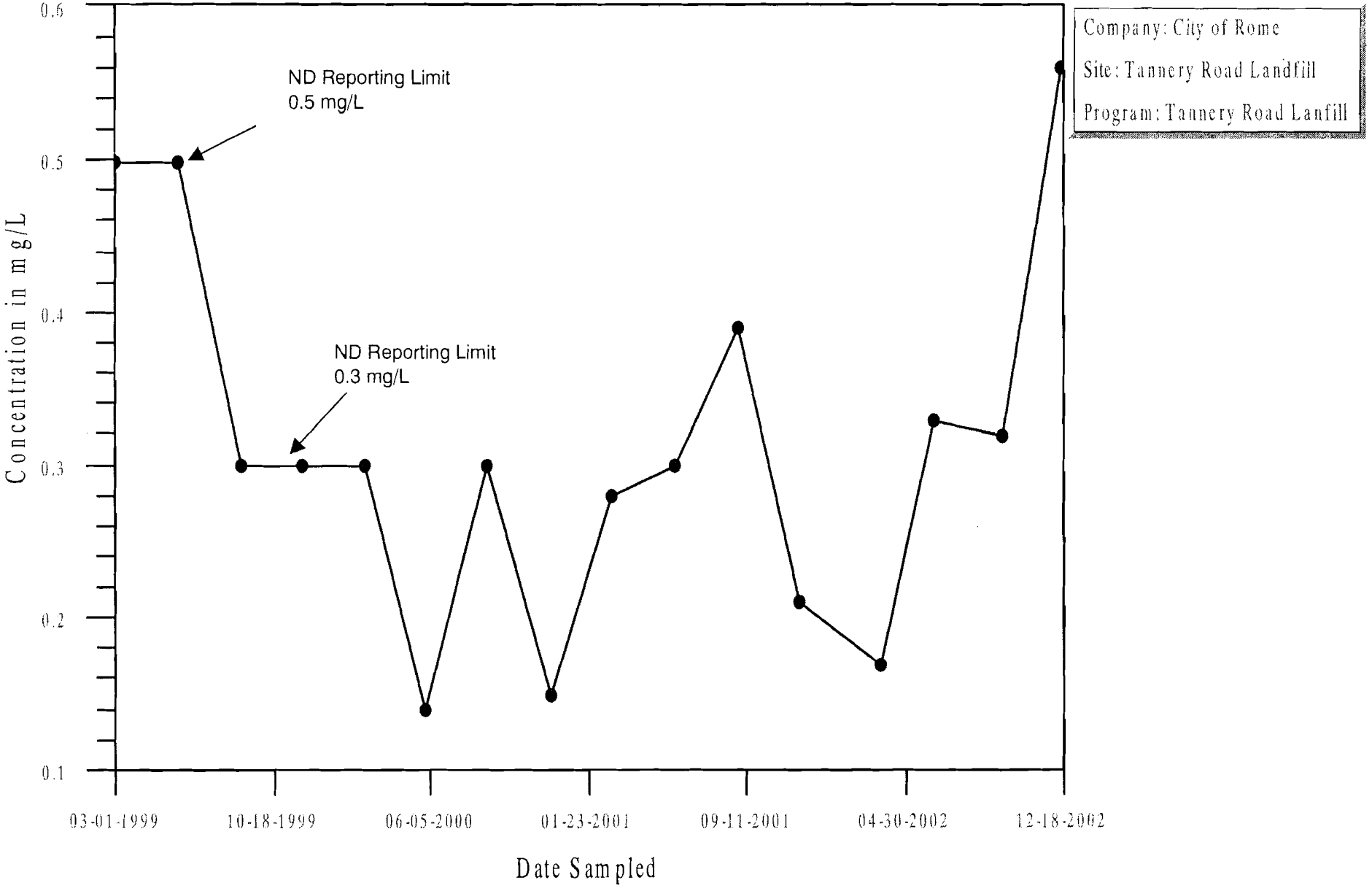
Time-Series Plot

Ammonia-Nitrogen, MW-7D



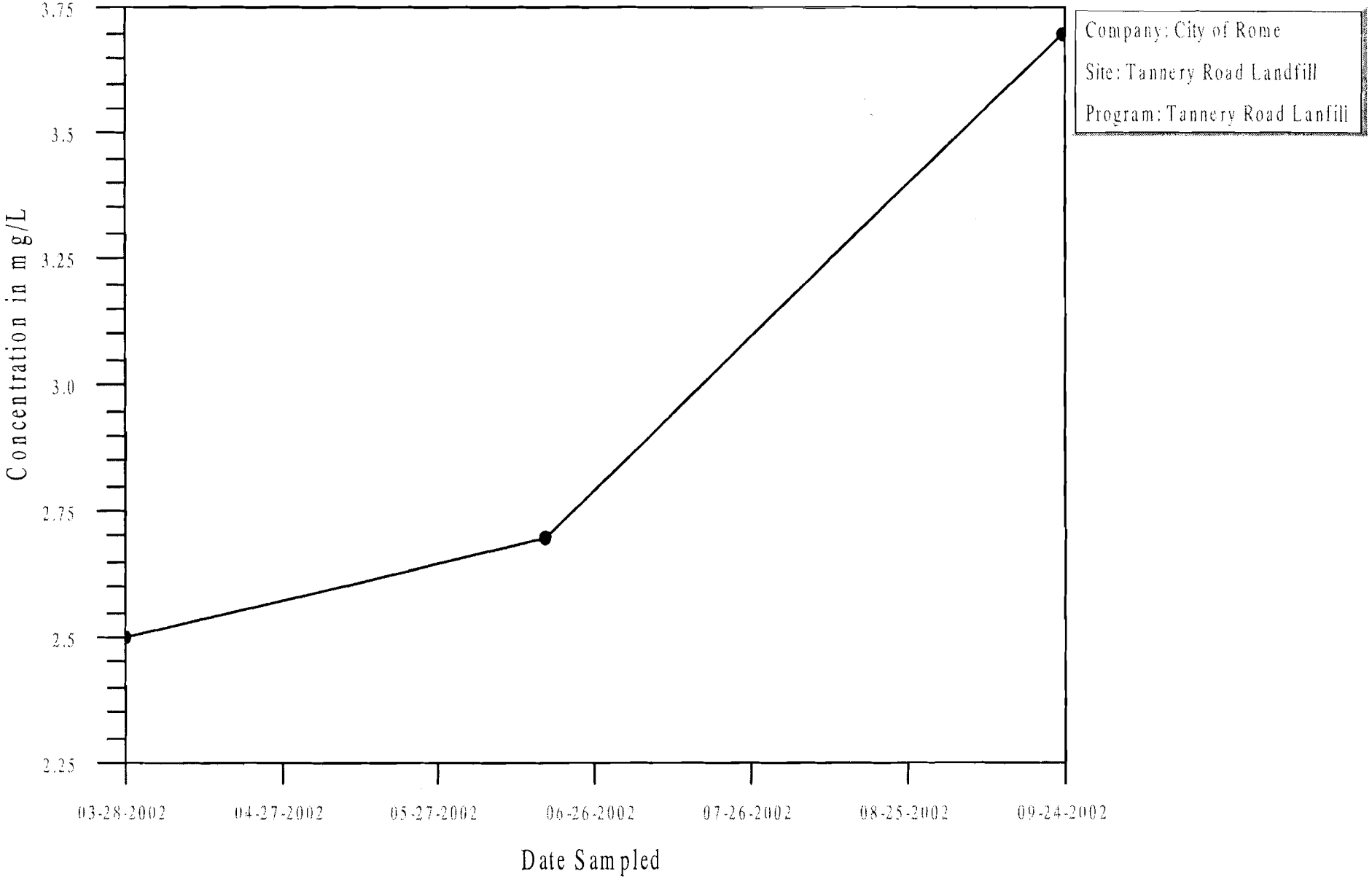
Time-Series Plot

Ammonia-Nitrogen, MW-9S



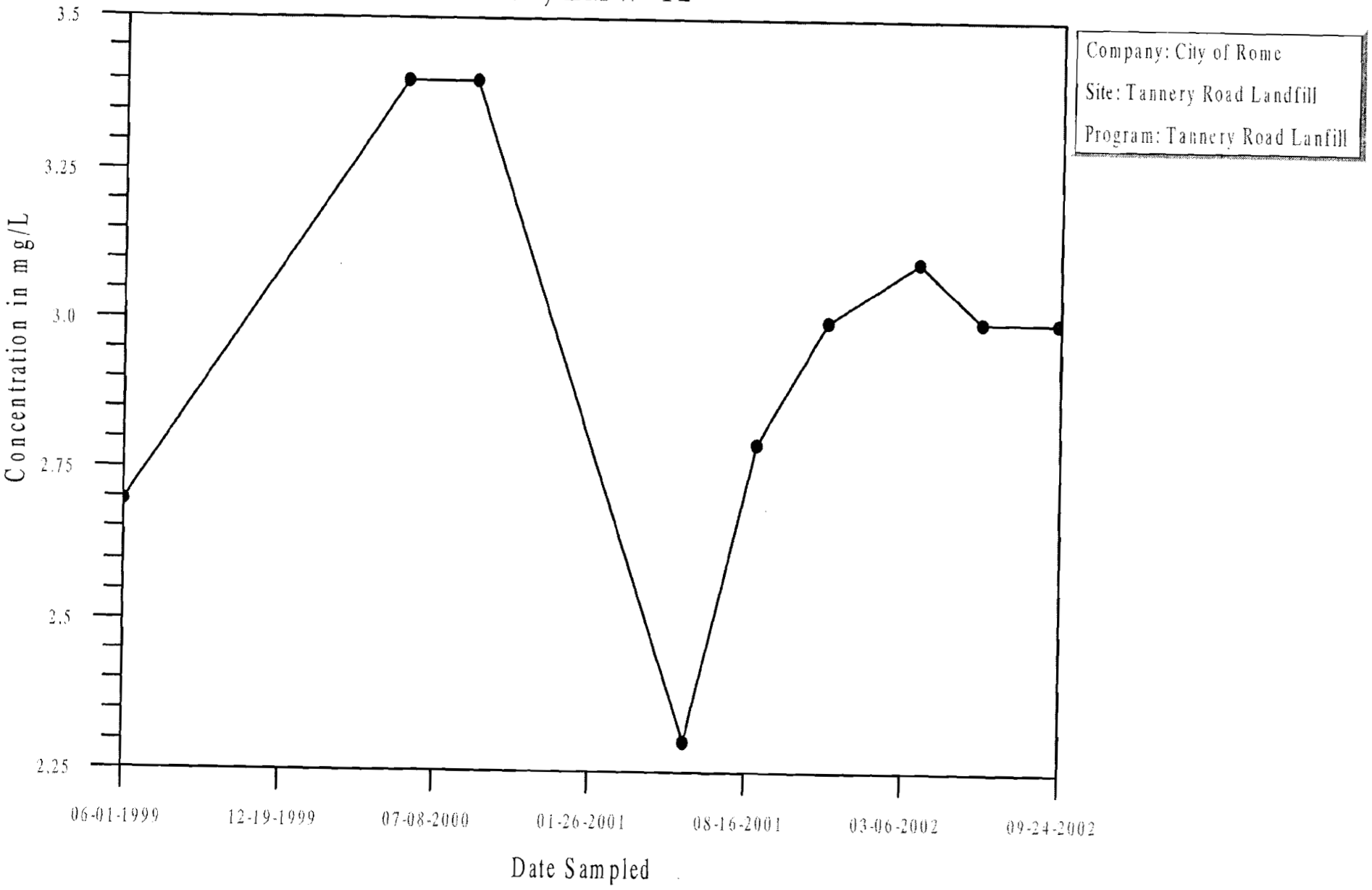
Time-Series Plot

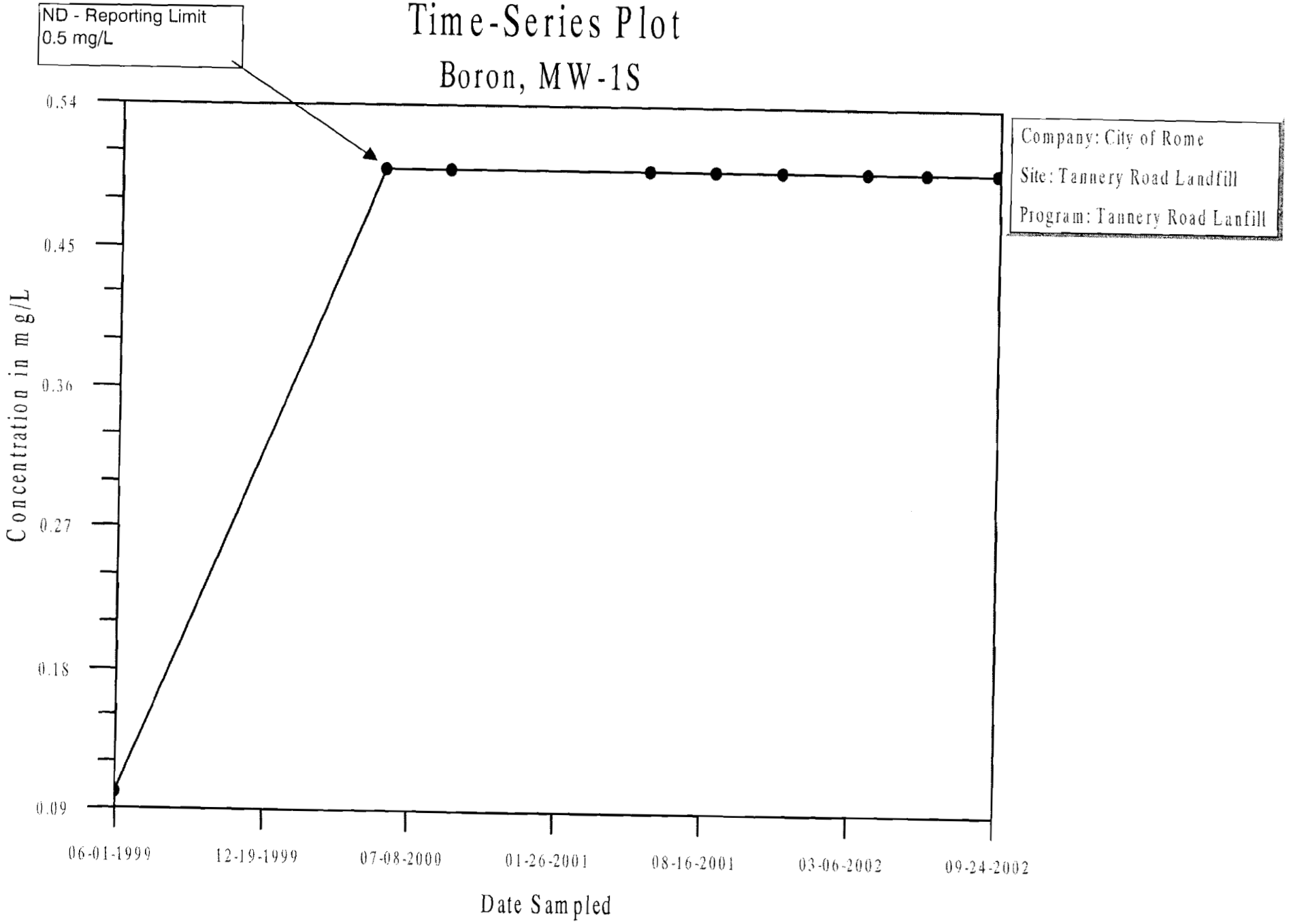
Boron, LMW-10



Time-Series Plot

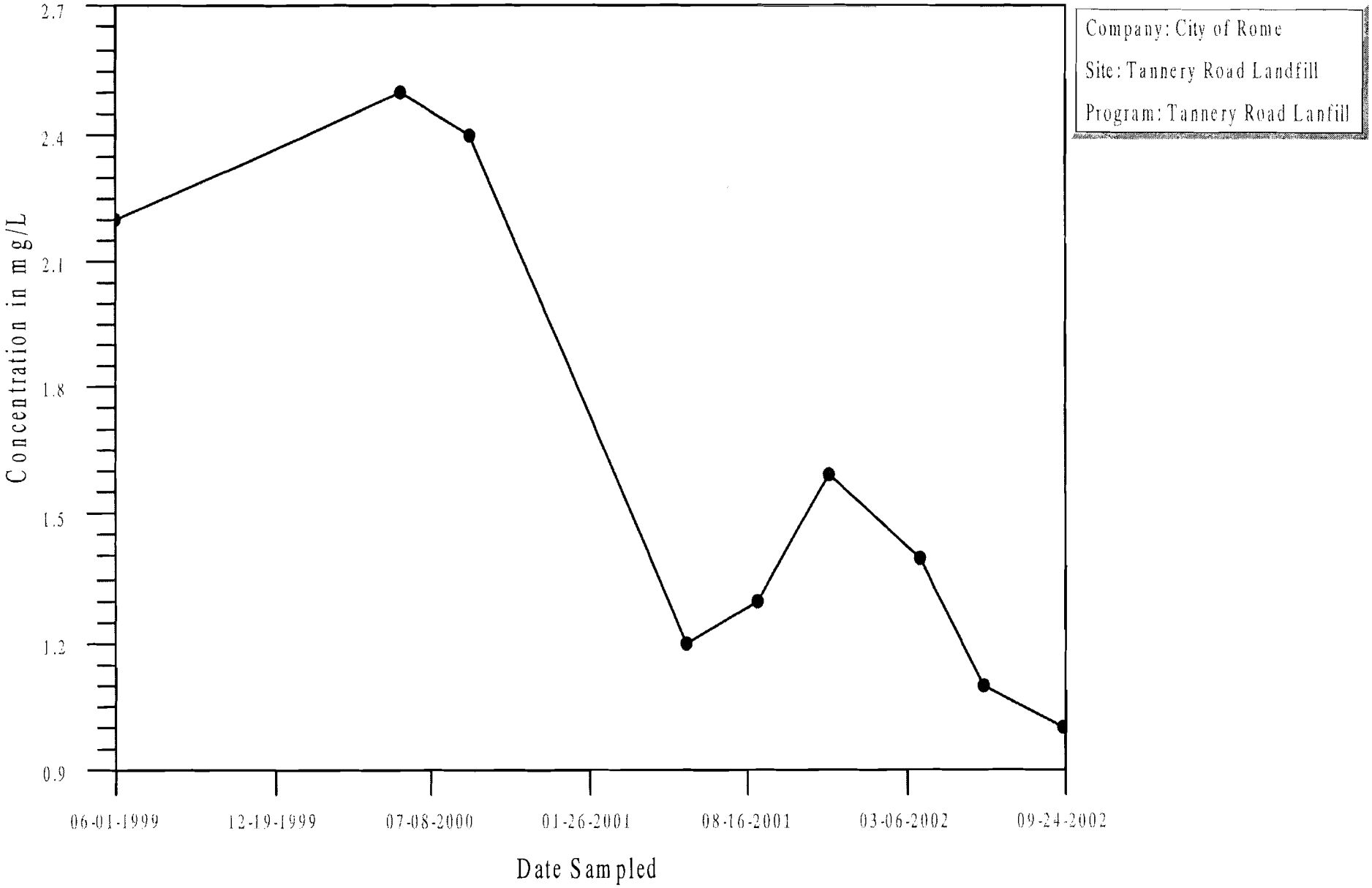
Boron, LMW-12




ND - Reporting Limit
0.5 mg/L
Time-Series Plot
Boron, MW-1S
Company: City of Rome
Site: Tannery Road Landfill
Program: Tannery Road Lanfill
0.54
0.45
0.36
0.27
0.18
0.09
Concentration in mg/L
06-01-1999
12-19-1999
07-08-2000
01-26-2001
08-16-2001
03-06-2002
09-24-2002
Date Sampled

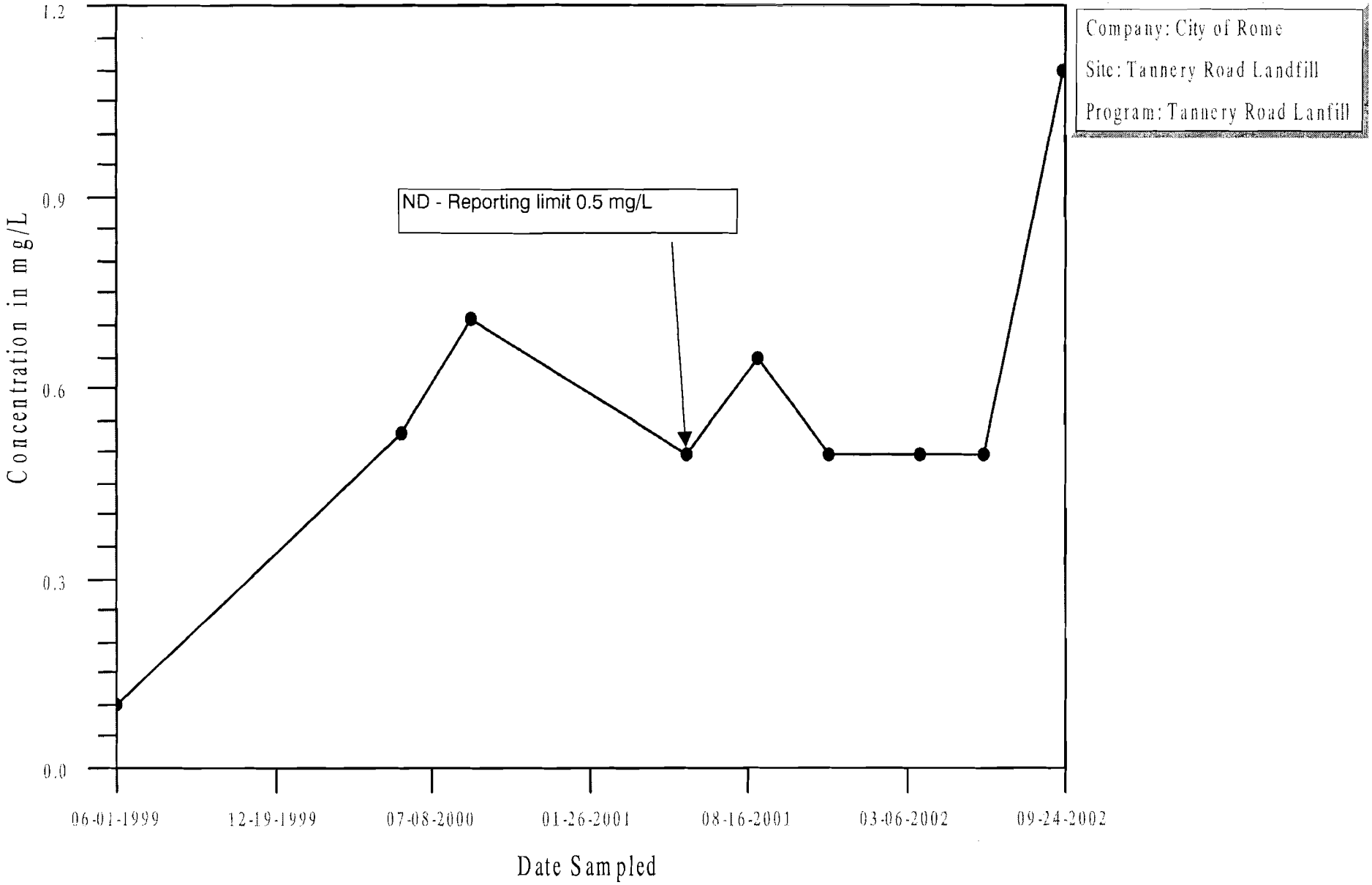
Time-Series Plot

Boron, MW-3S



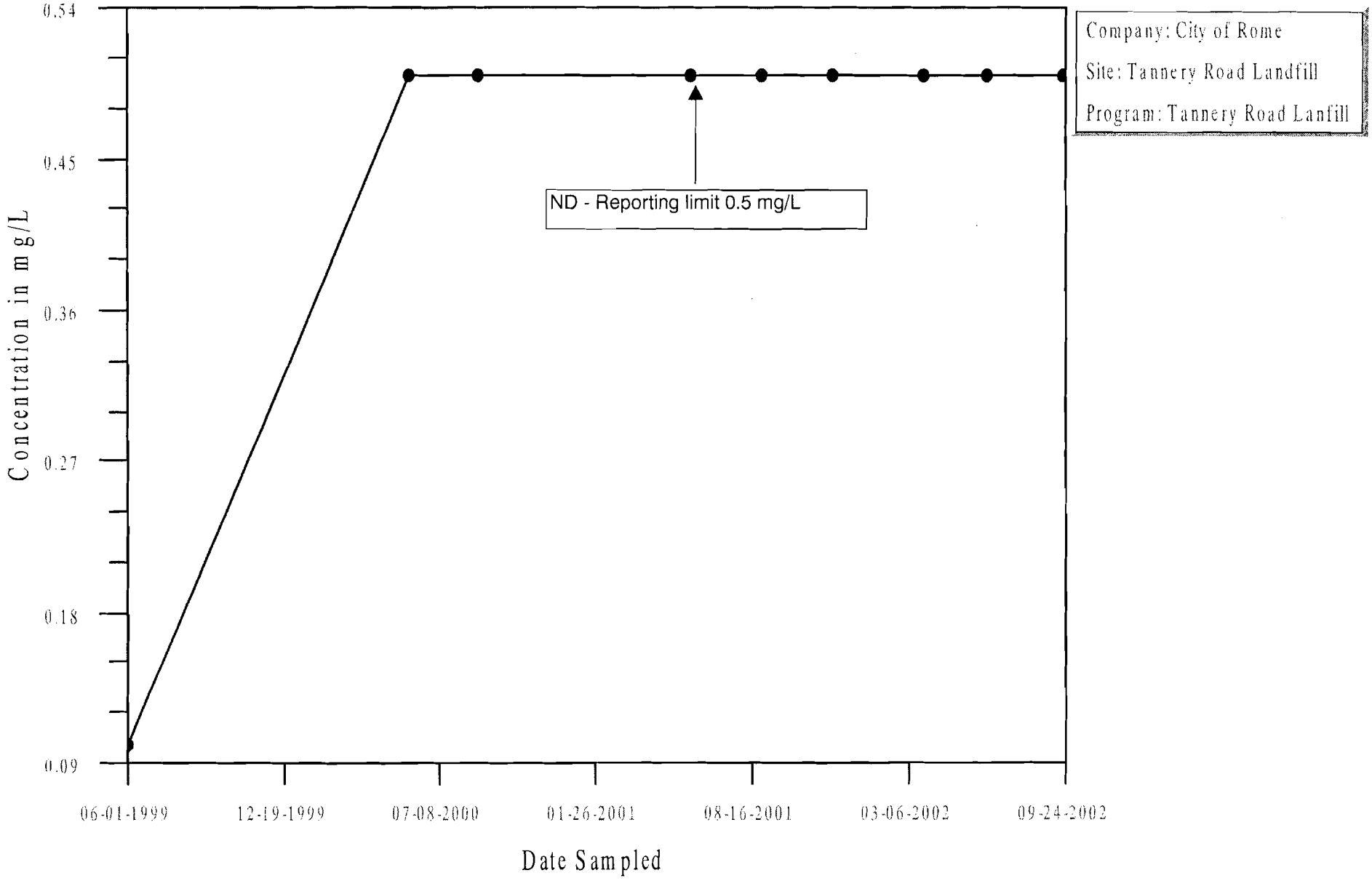
Time-Series Plot

Boron, MW-4S



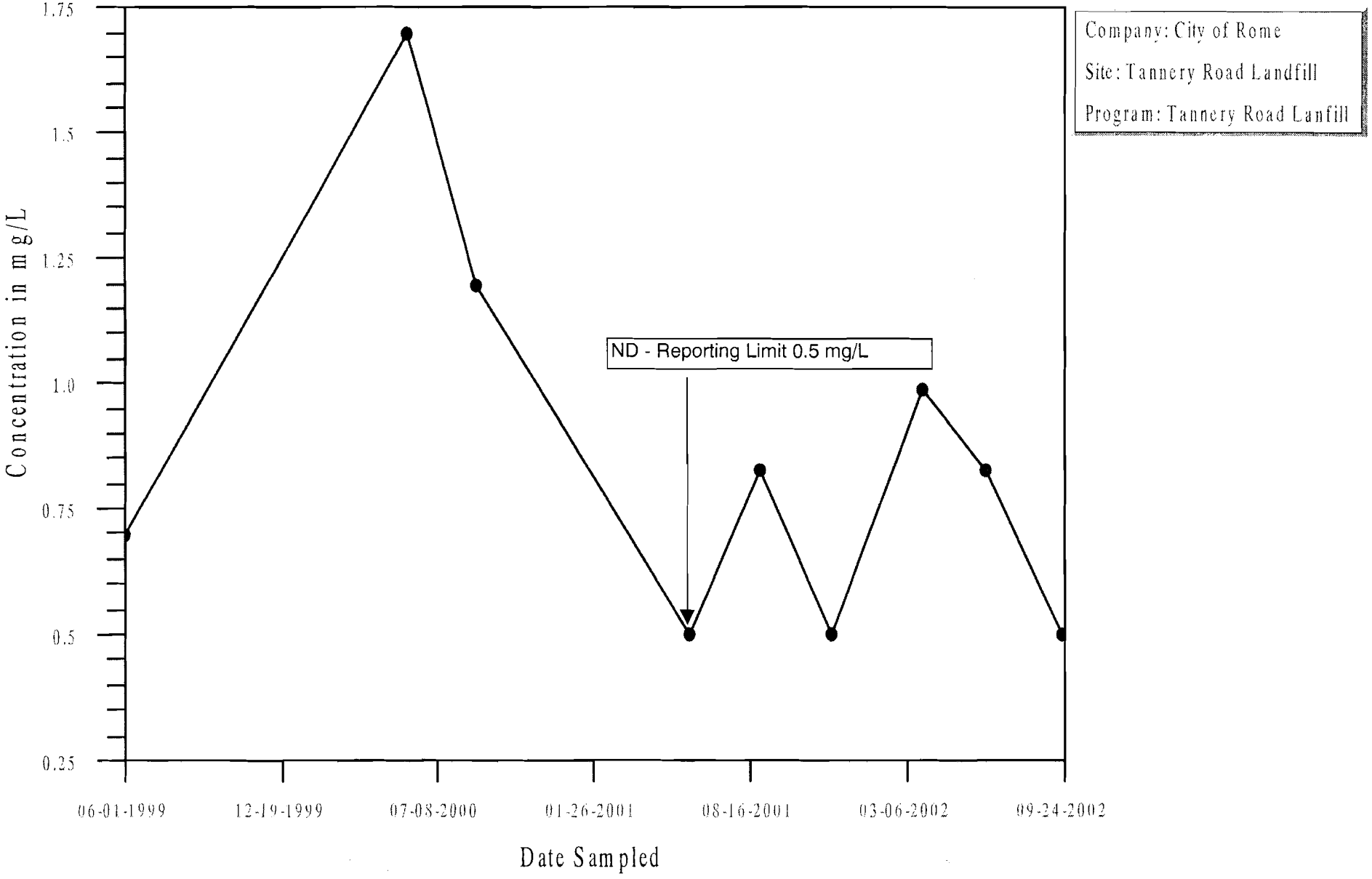
Time-Series Plot

Boron, MW-5S



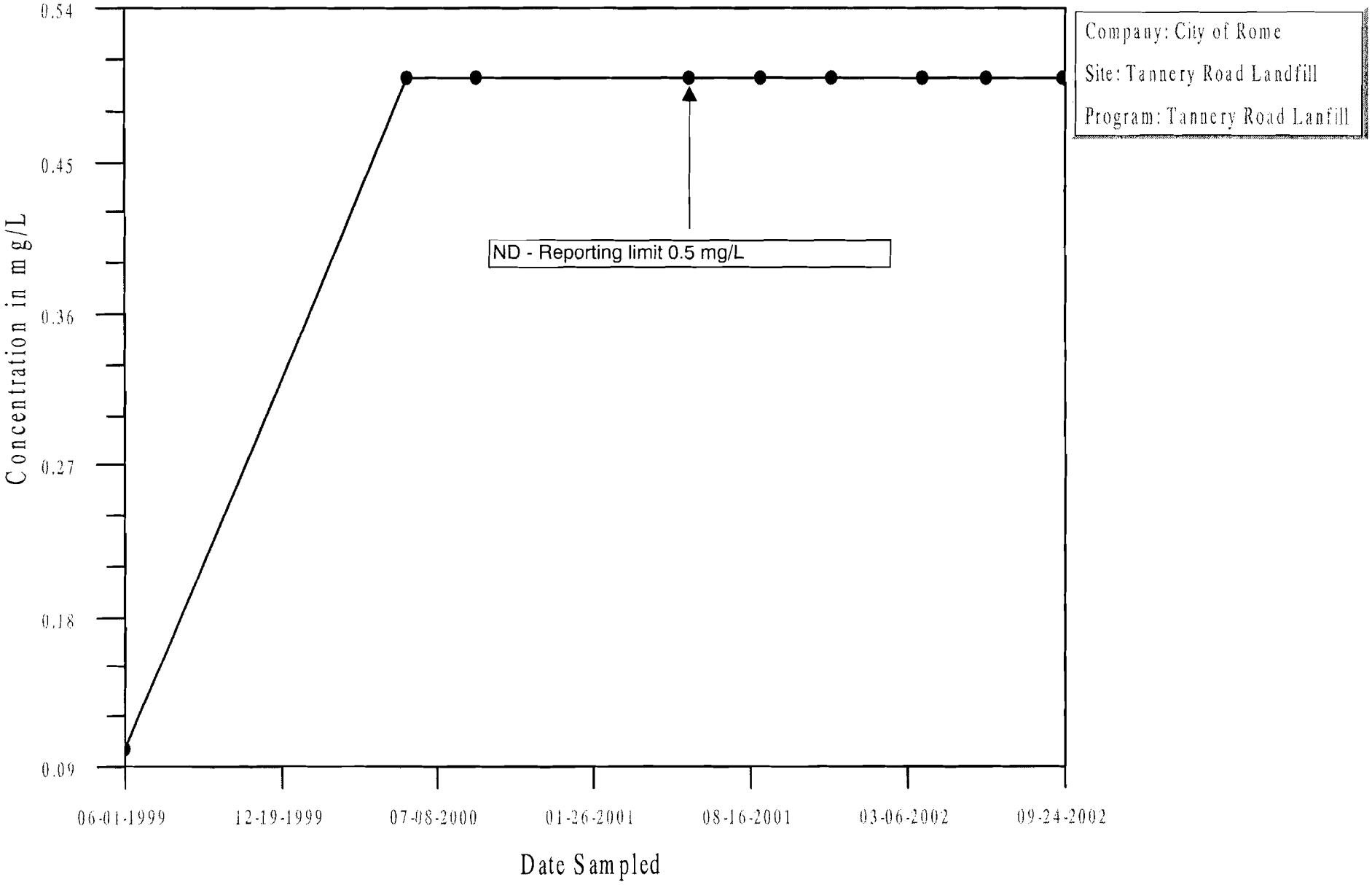
Time-Series Plot

Boron, MW-7D



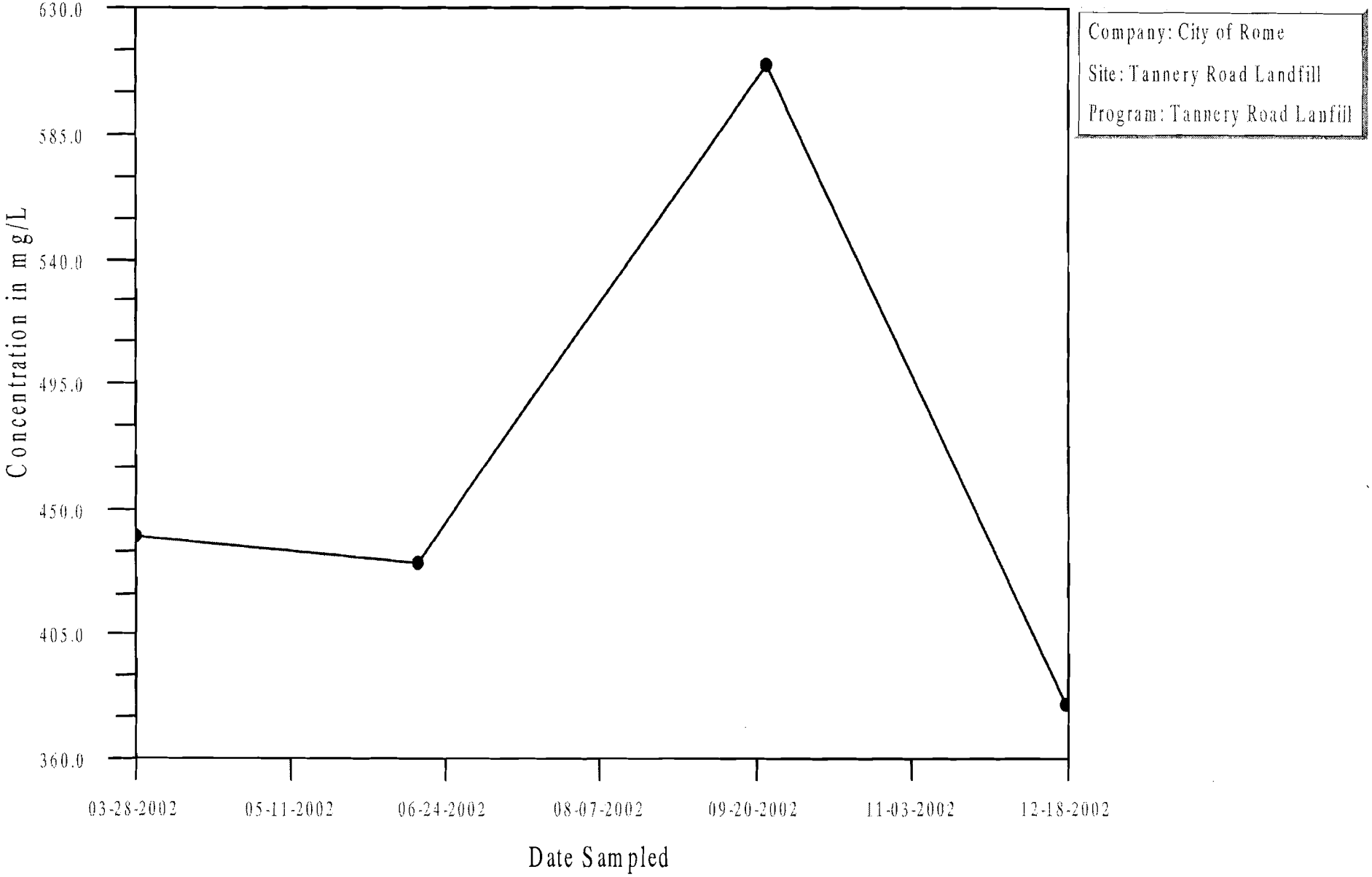
Time-Series Plot

Boron, MW-9S



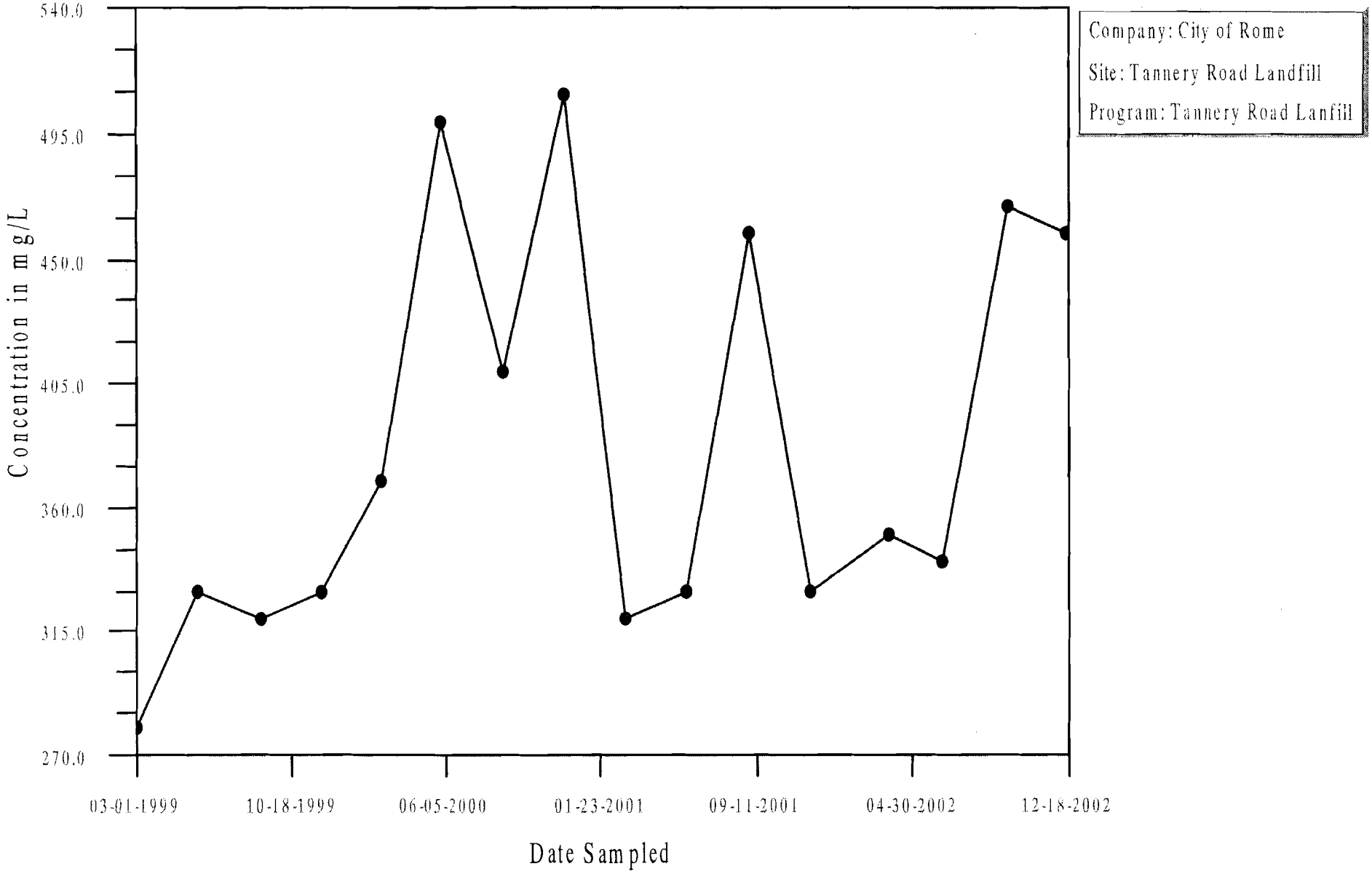
Time-Series Plot

Chloride, LMW-10



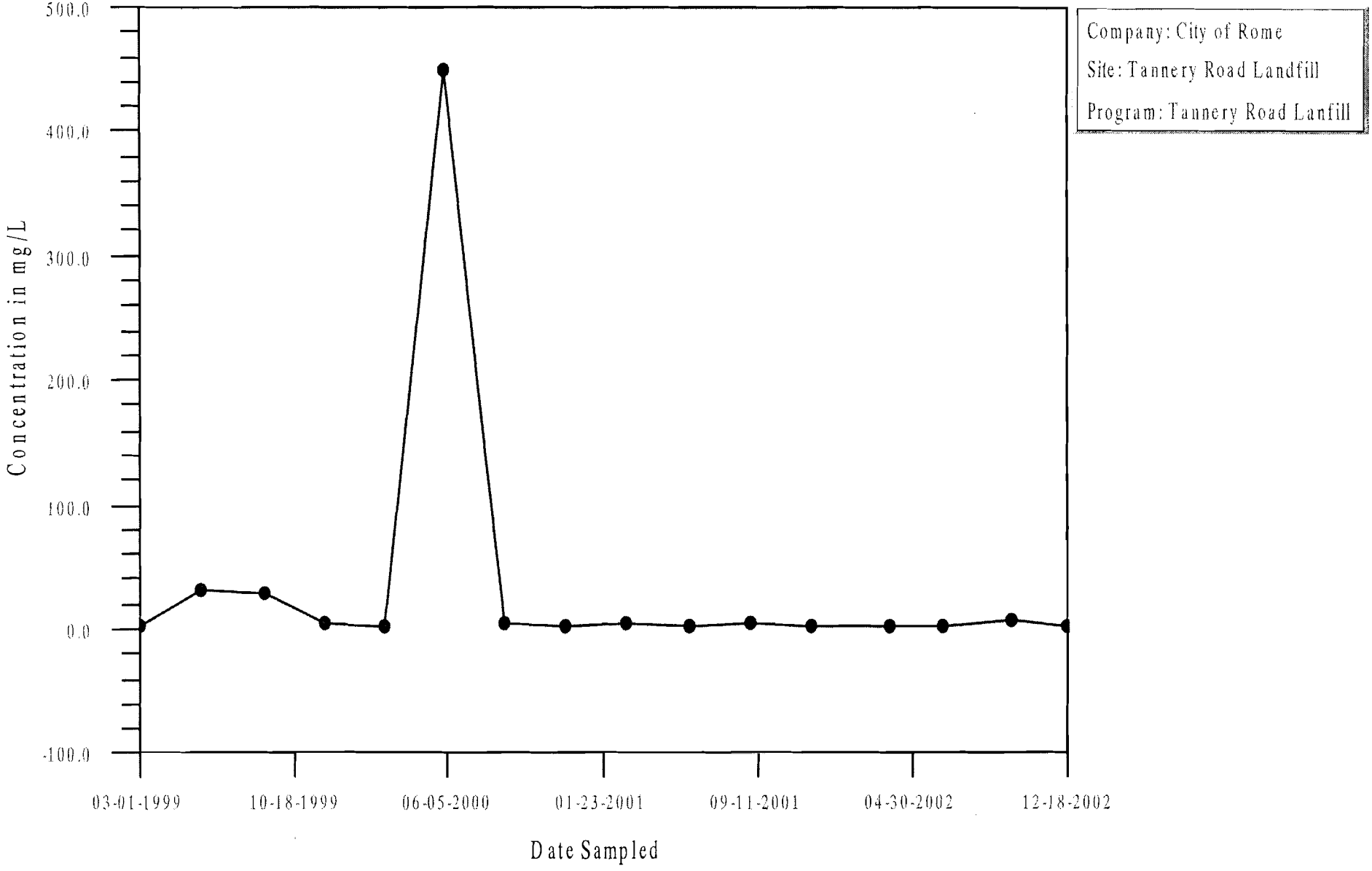
Time-Series Plot

Chloride, LMW-12



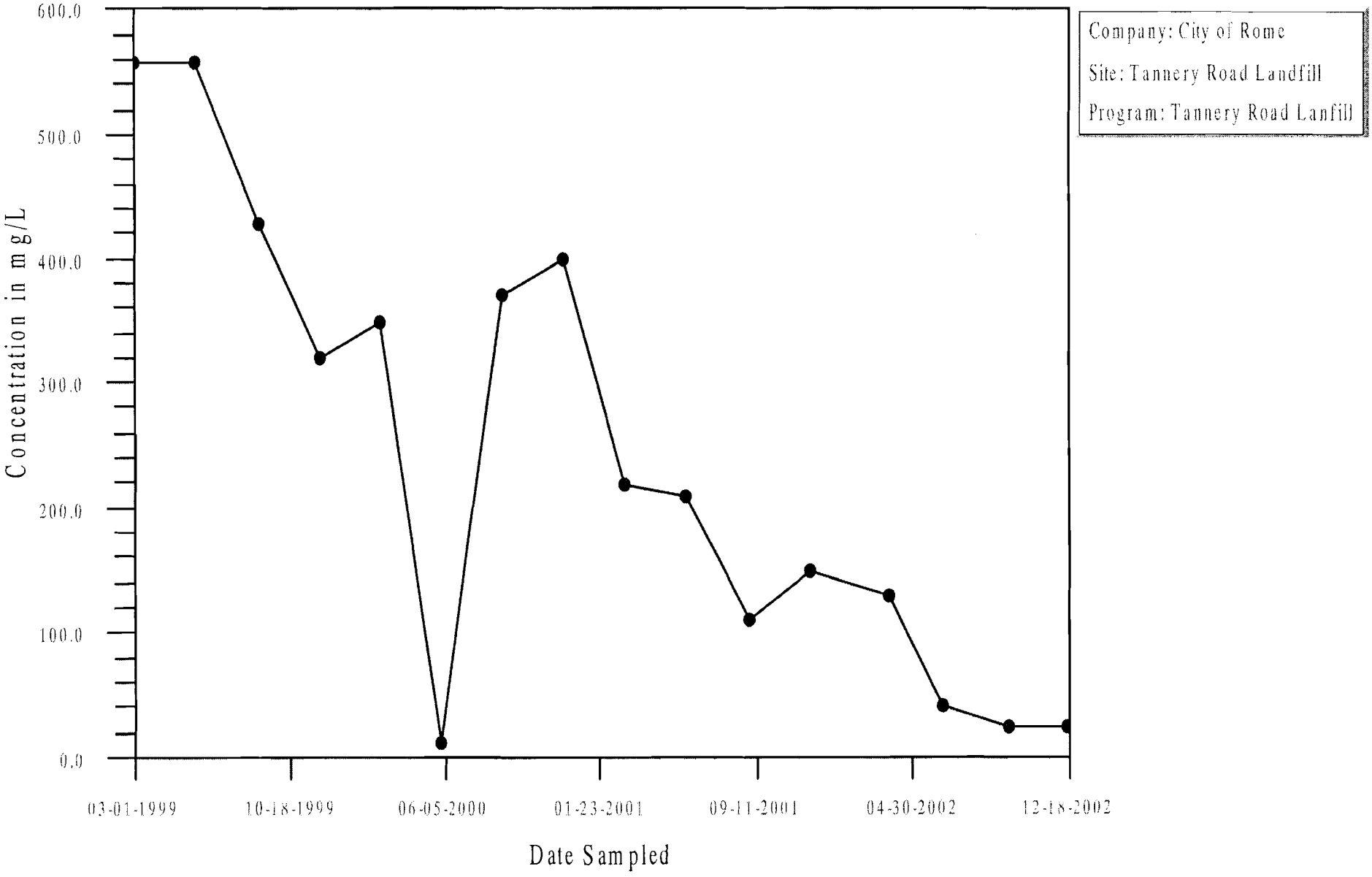
Time-Series Plot

Chloride, MW-1S



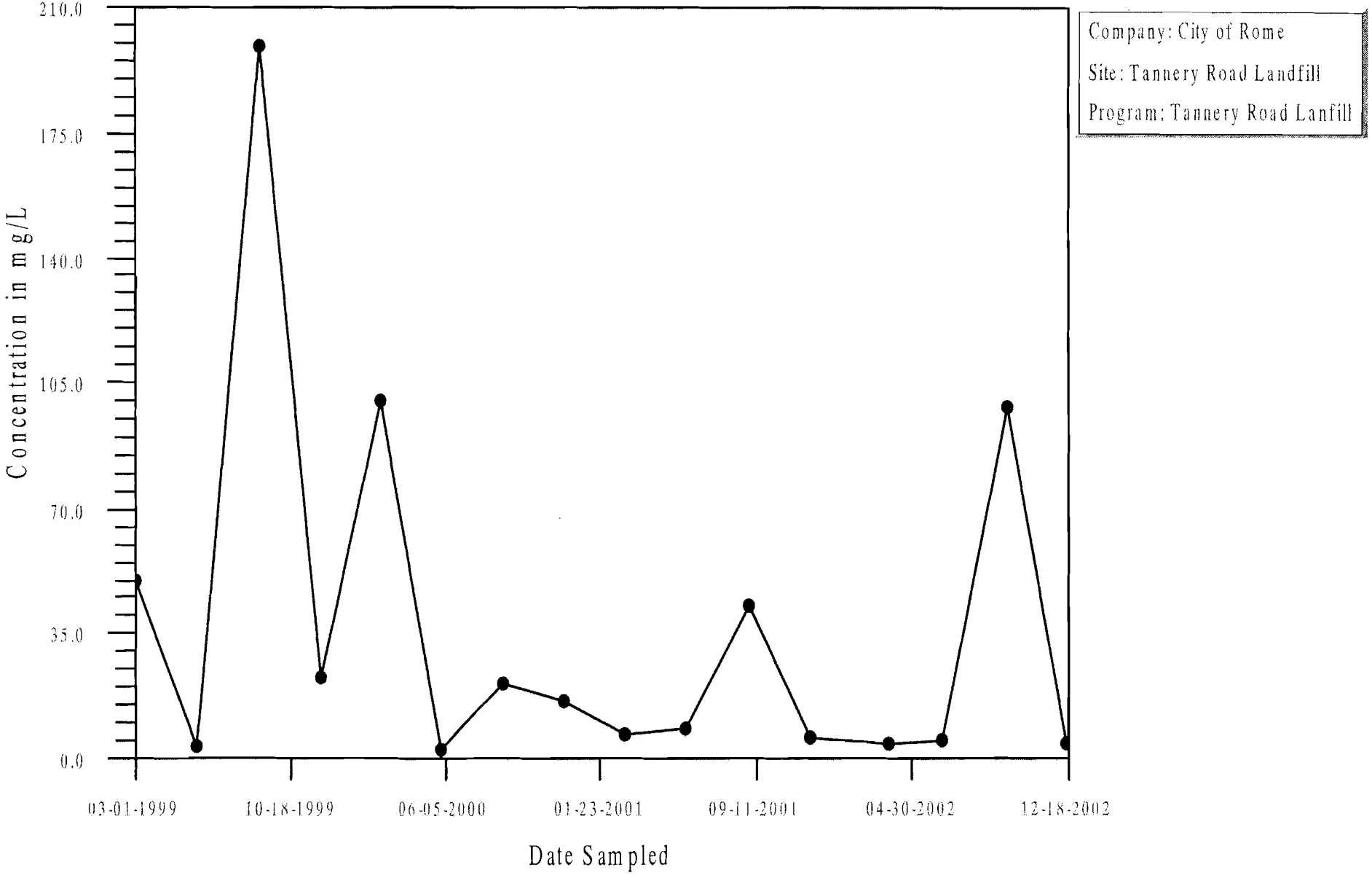
Time-Series Plot

Chloride, MW-3S



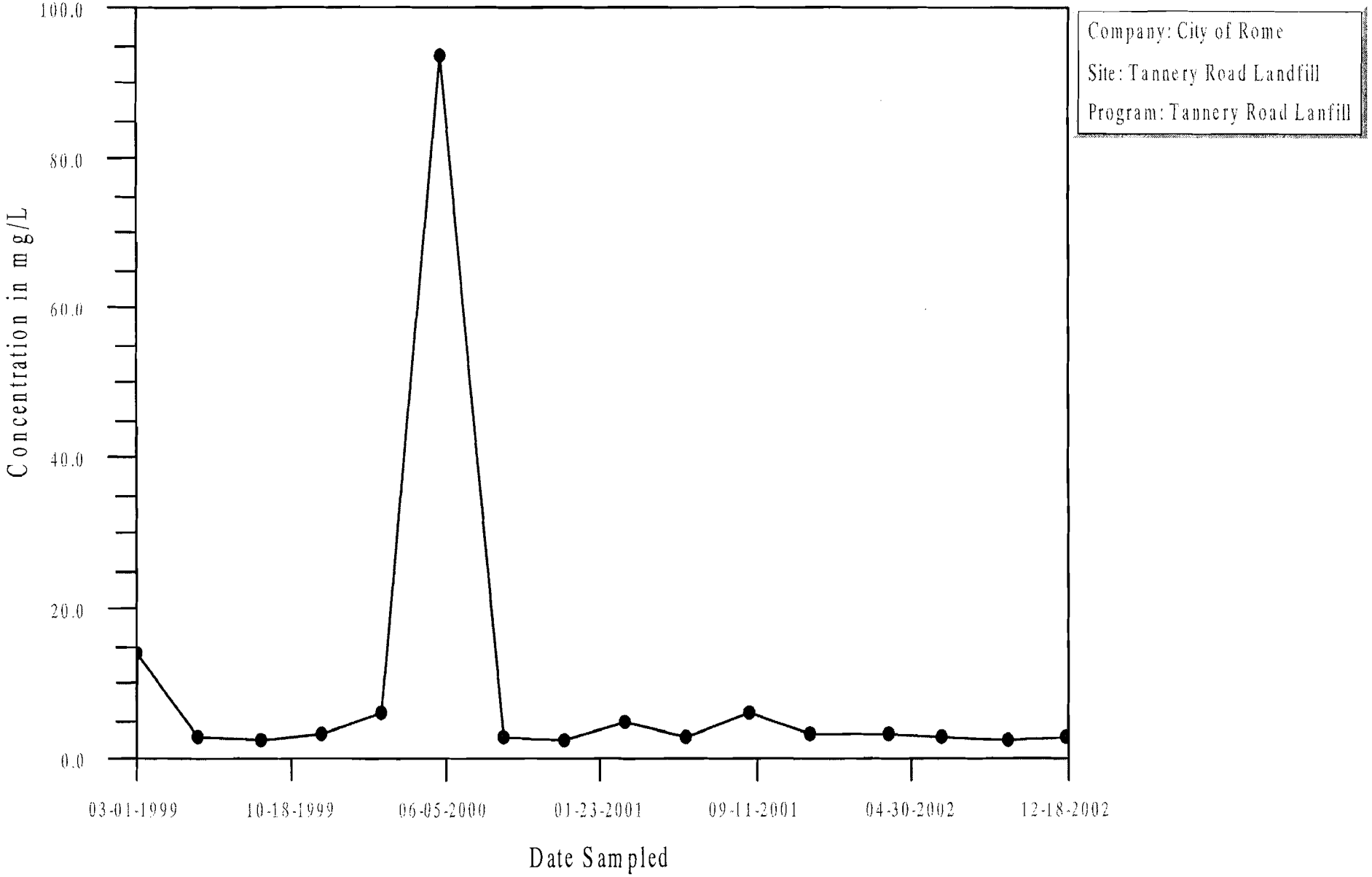
Time-Series Plot

Chloride, MW-4S



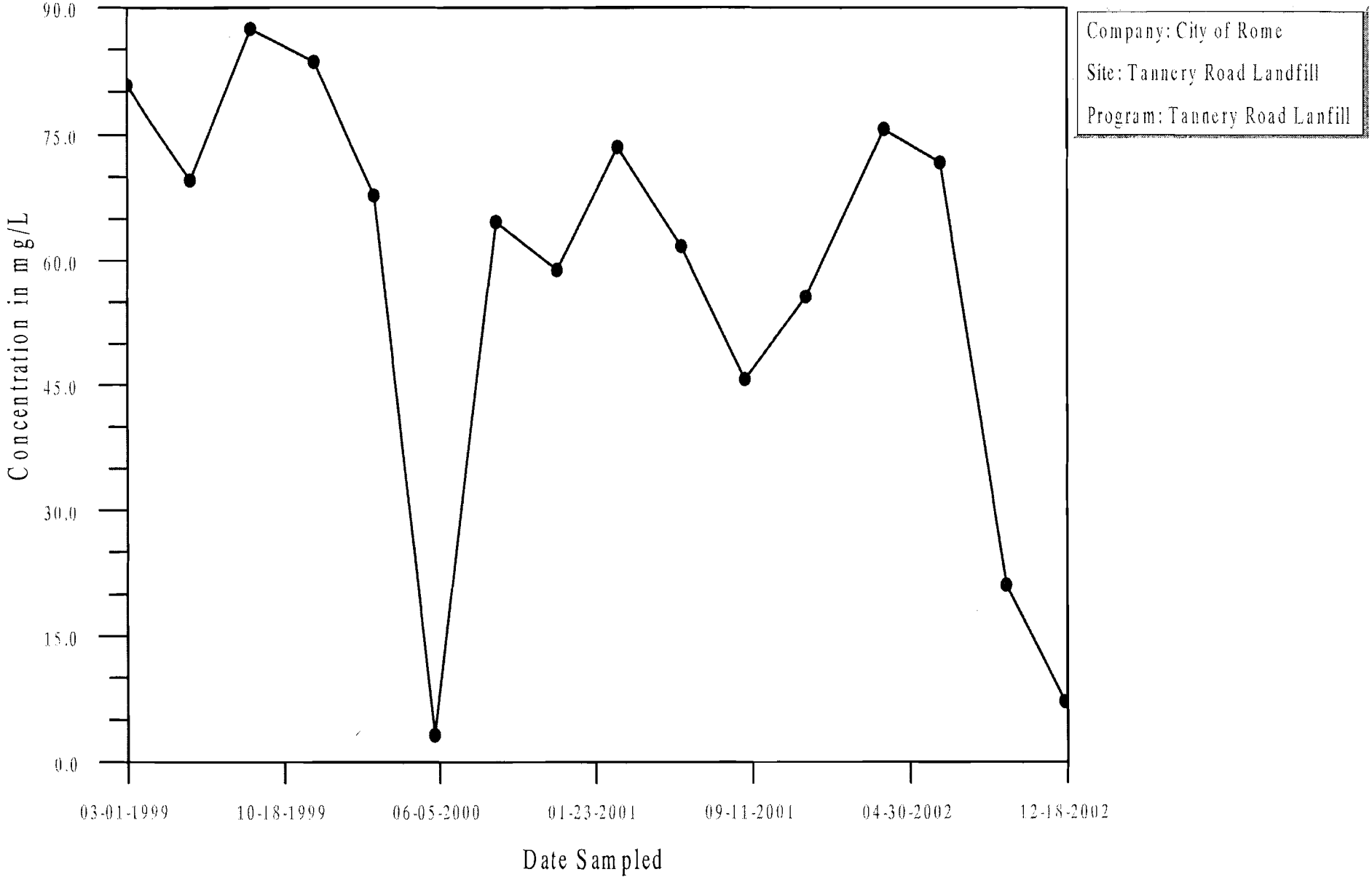
Time-Series Plot

Chloride, MW-5S



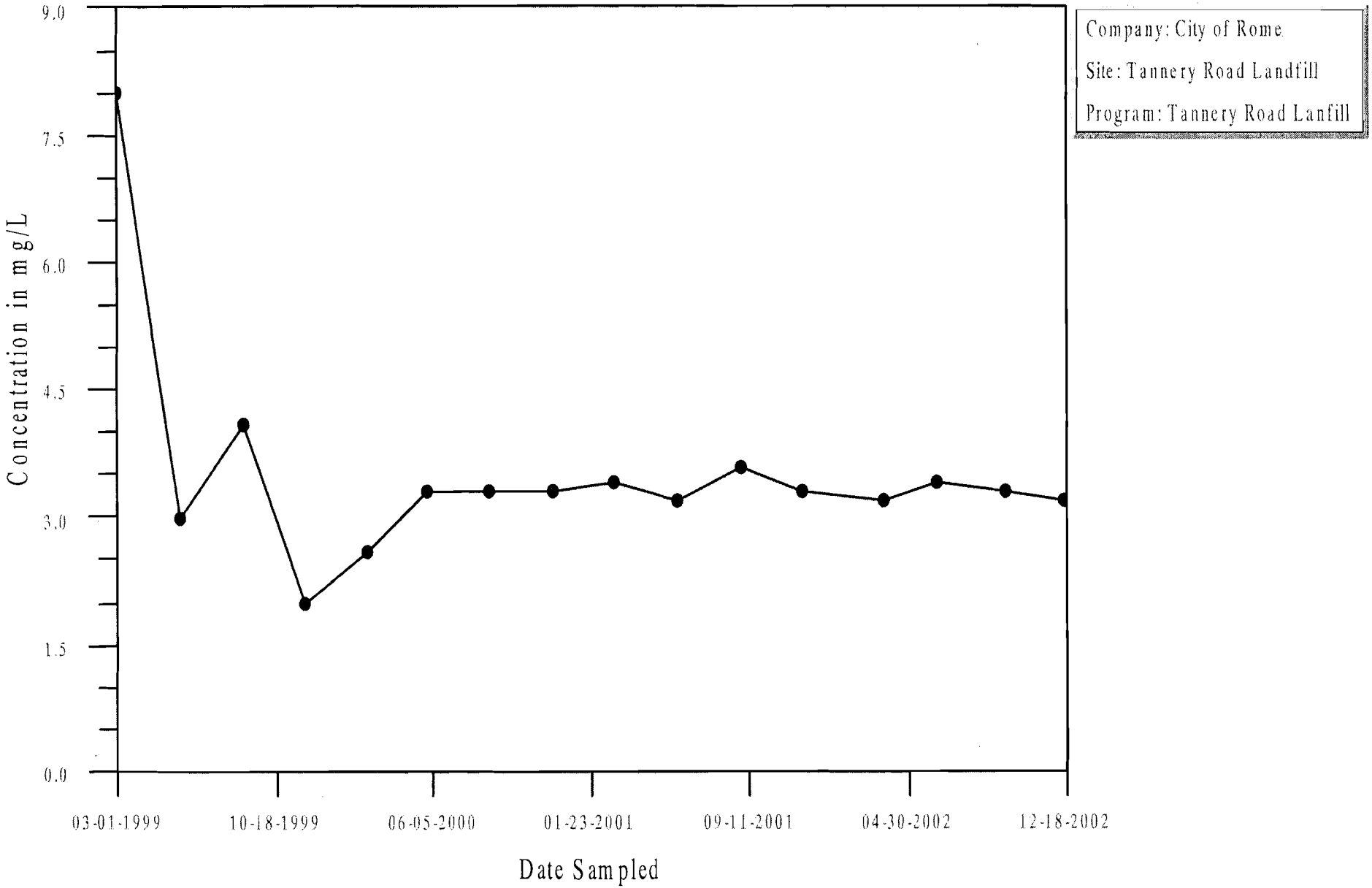
Time-Series Plot

Chloride, MW-7D



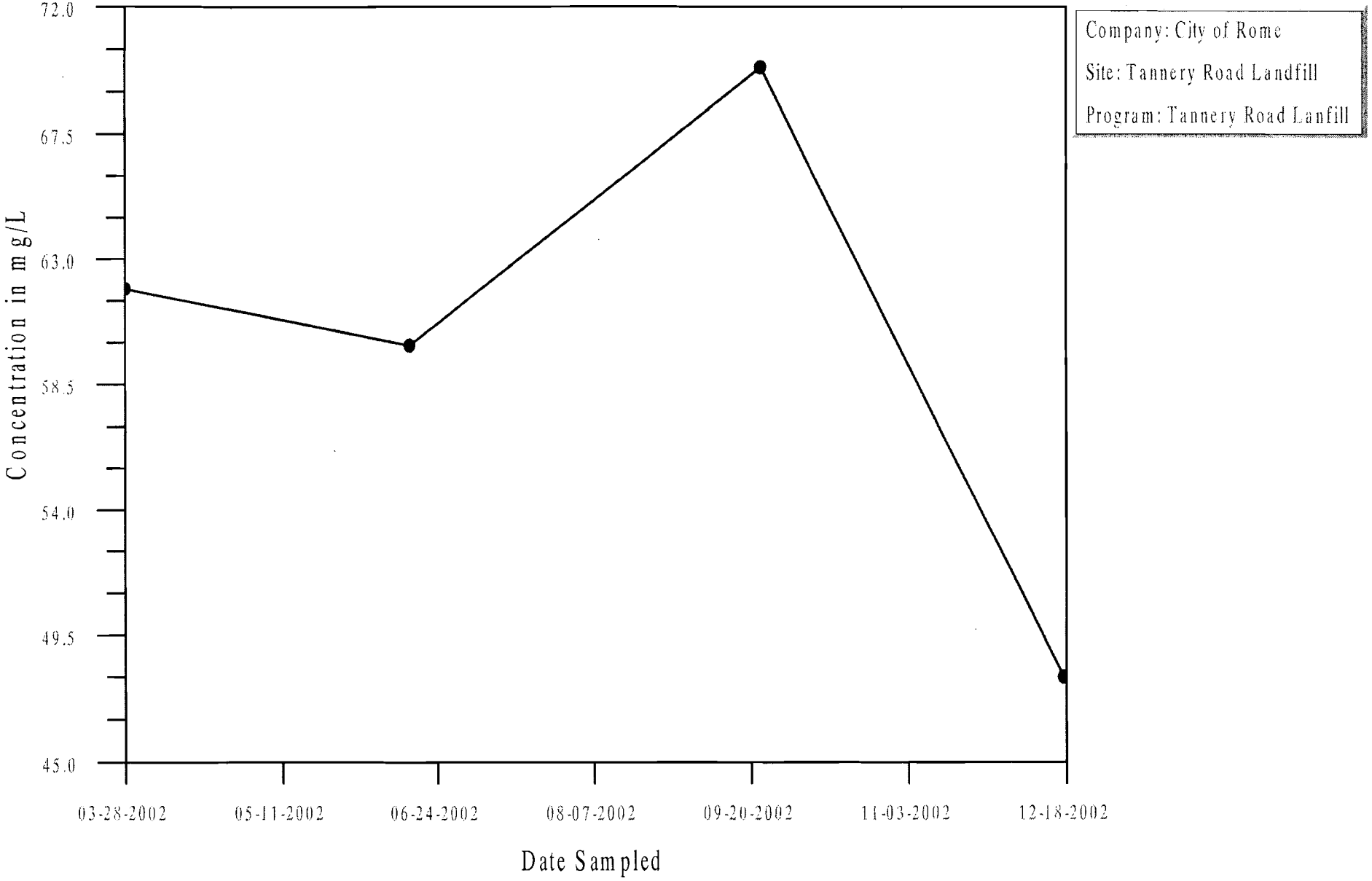
Time-Series Plot

Chloride, MW-9S



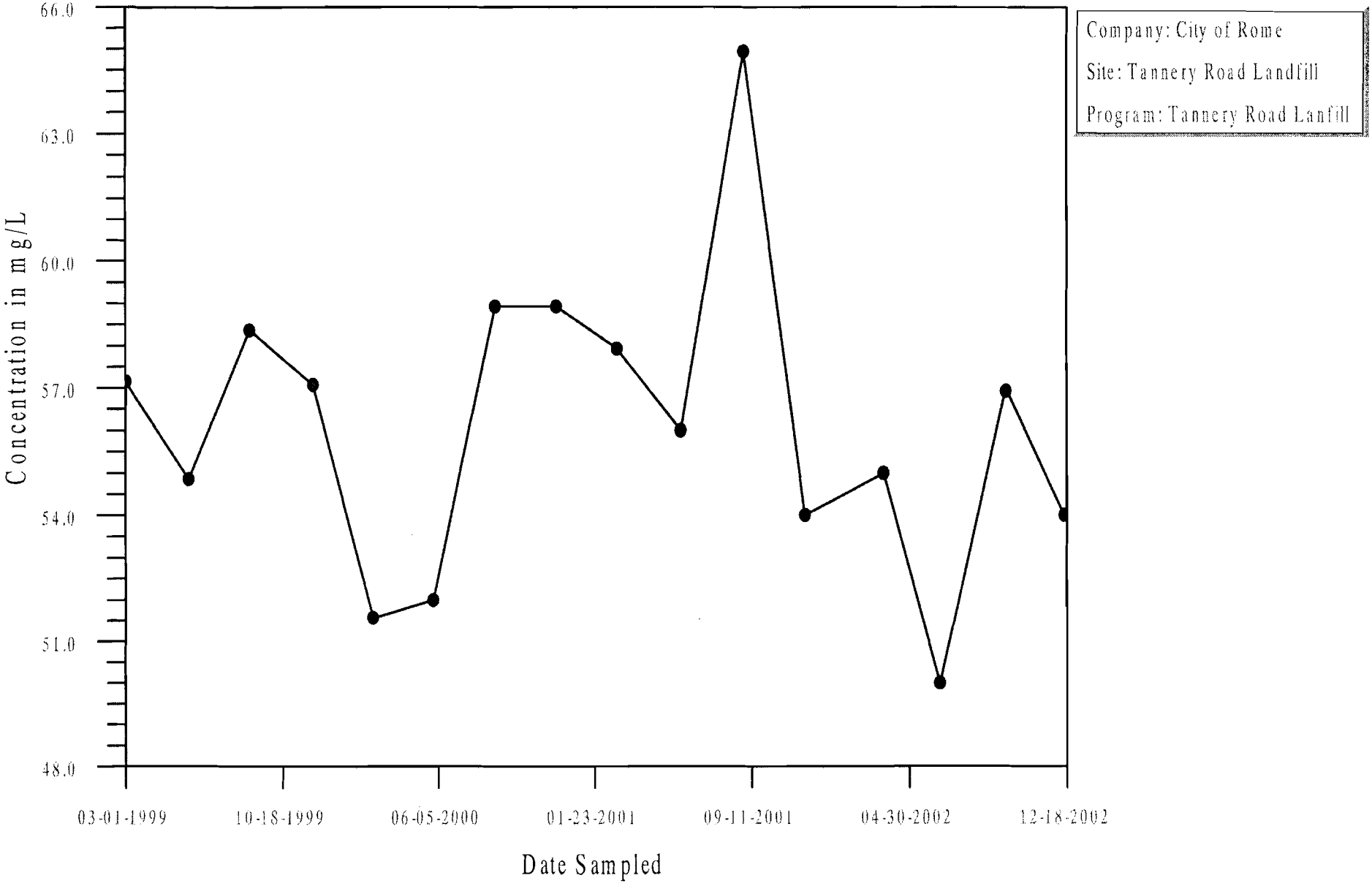
Time-Series Plot

Iron, LMW-10



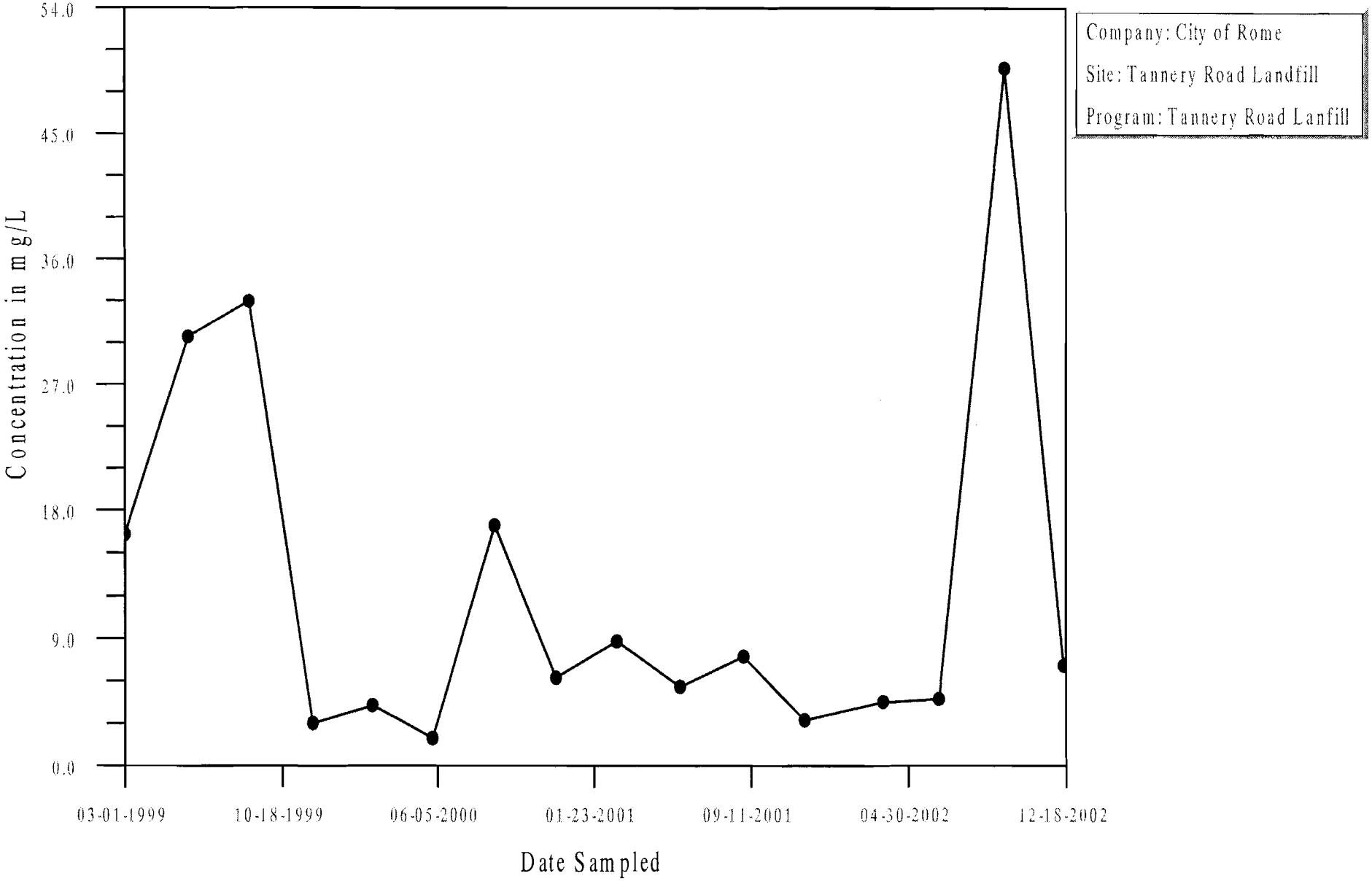
Time-Series Plot

Iron, LMW-12



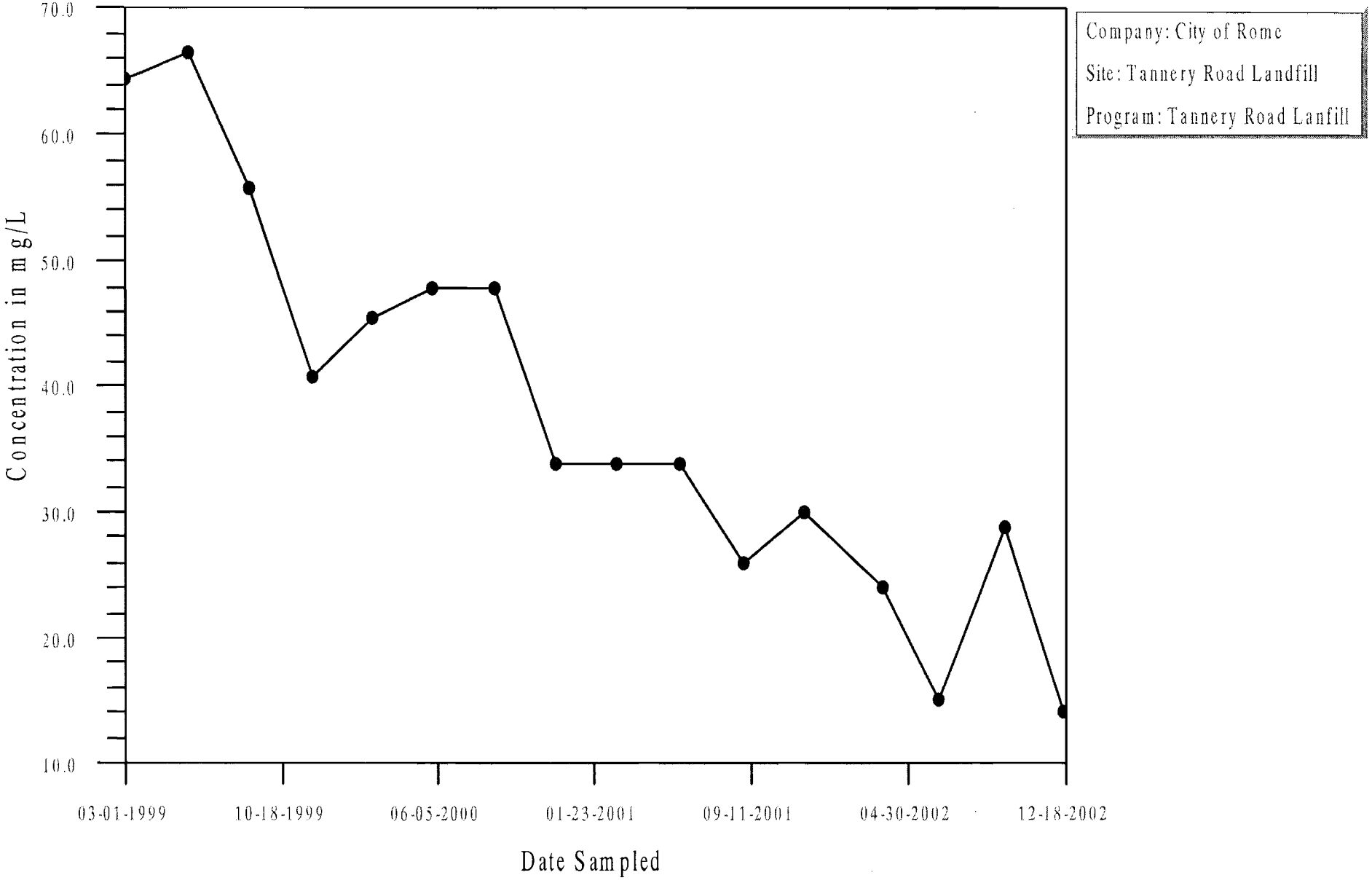
Time-Series Plot

Iron, MW-1S



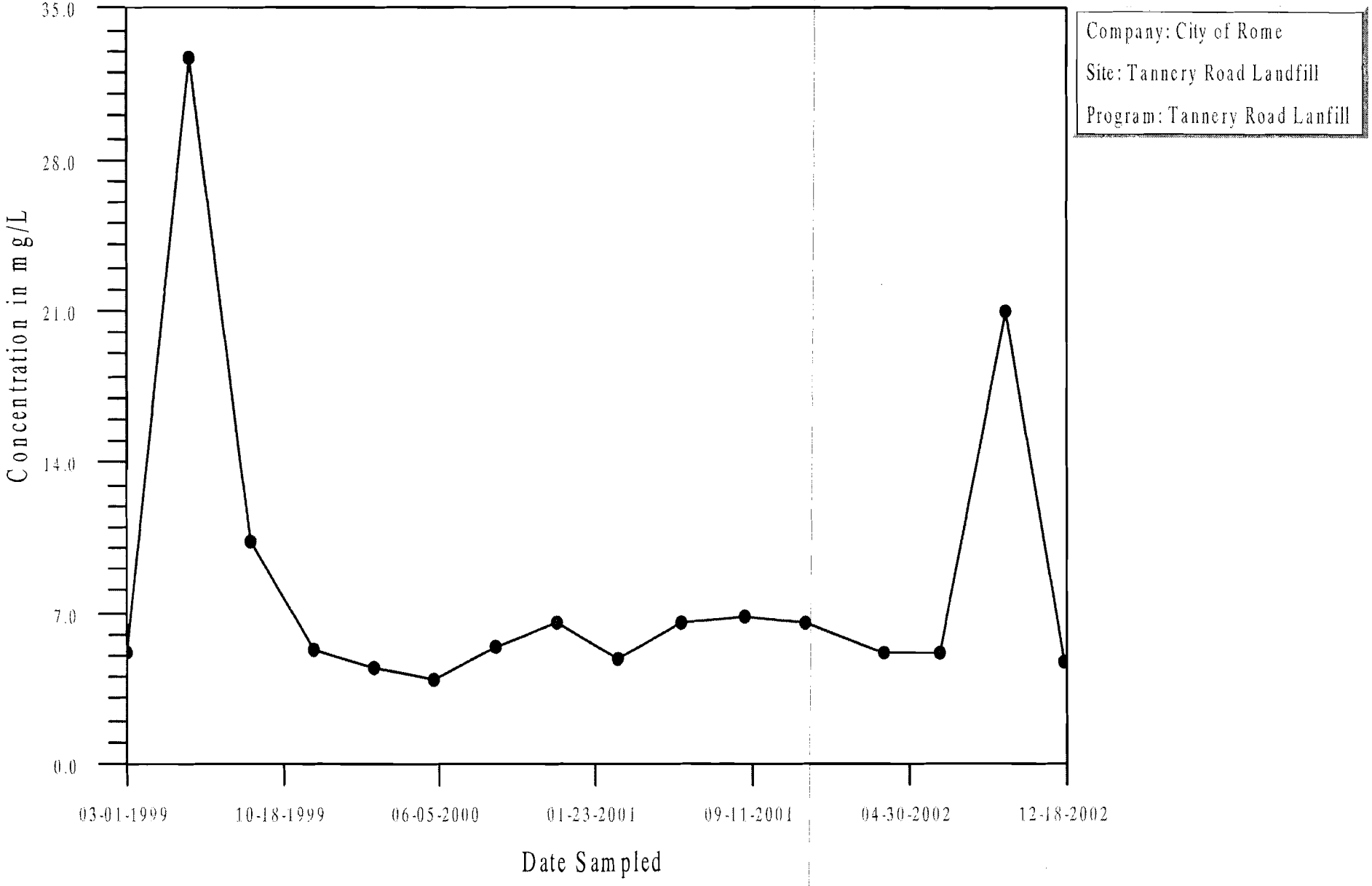
Time-Series Plot

Iron, MW-3S



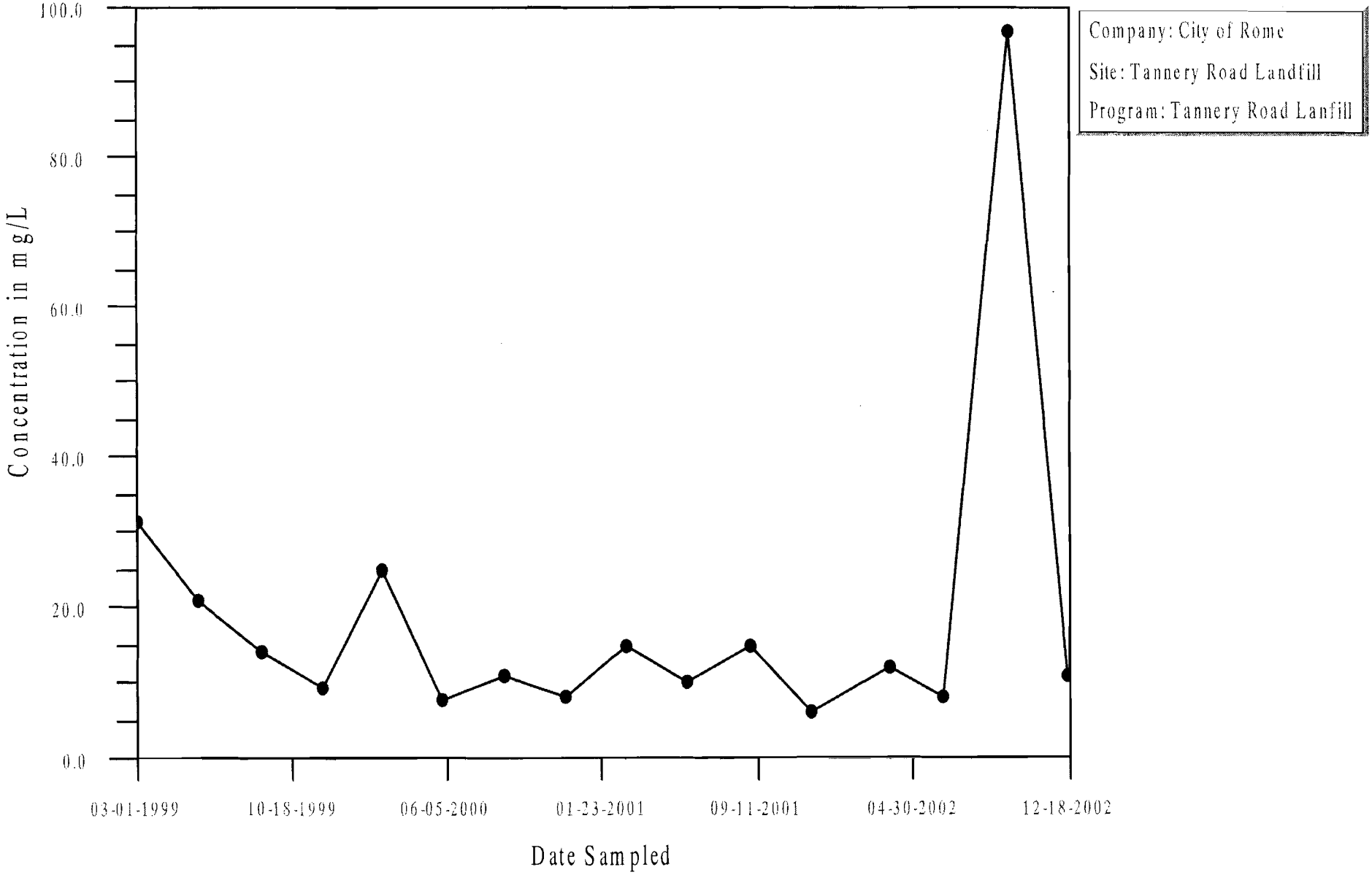
Time-Series Plot

Iron, MW-4S



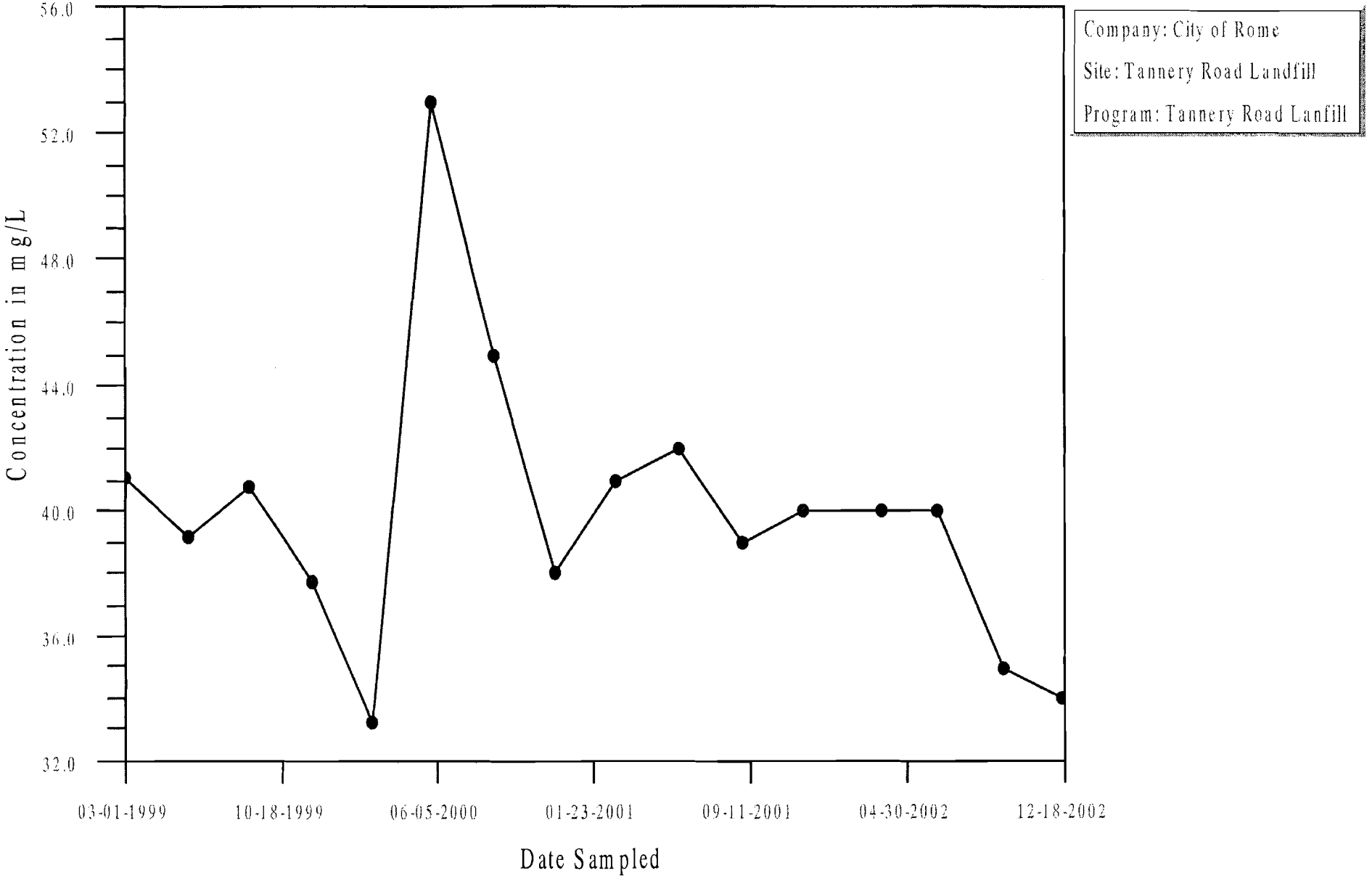
Time-Series Plot

Iron, MW-5S



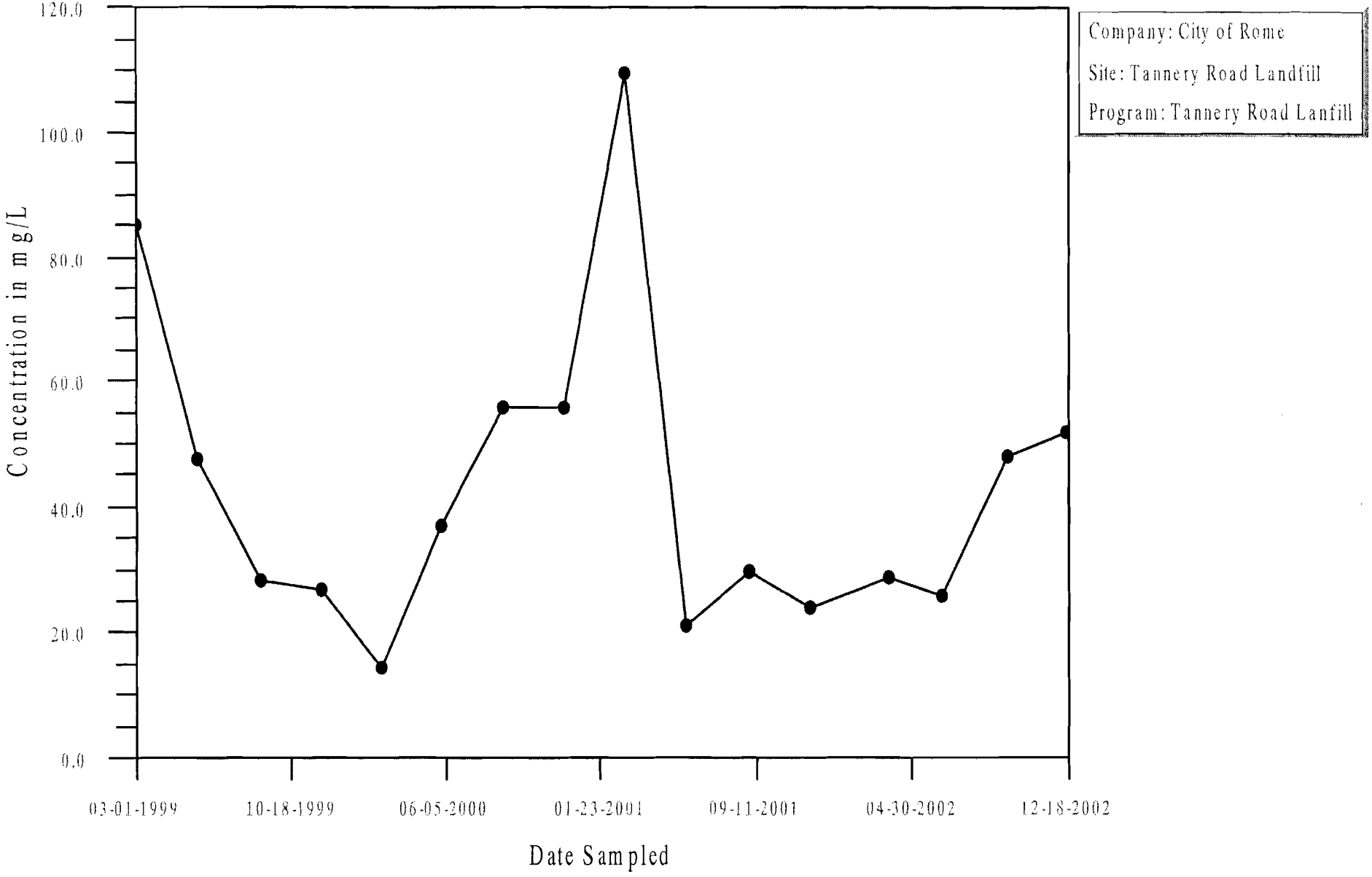
Time-Series Plot

Iron, MW-7D



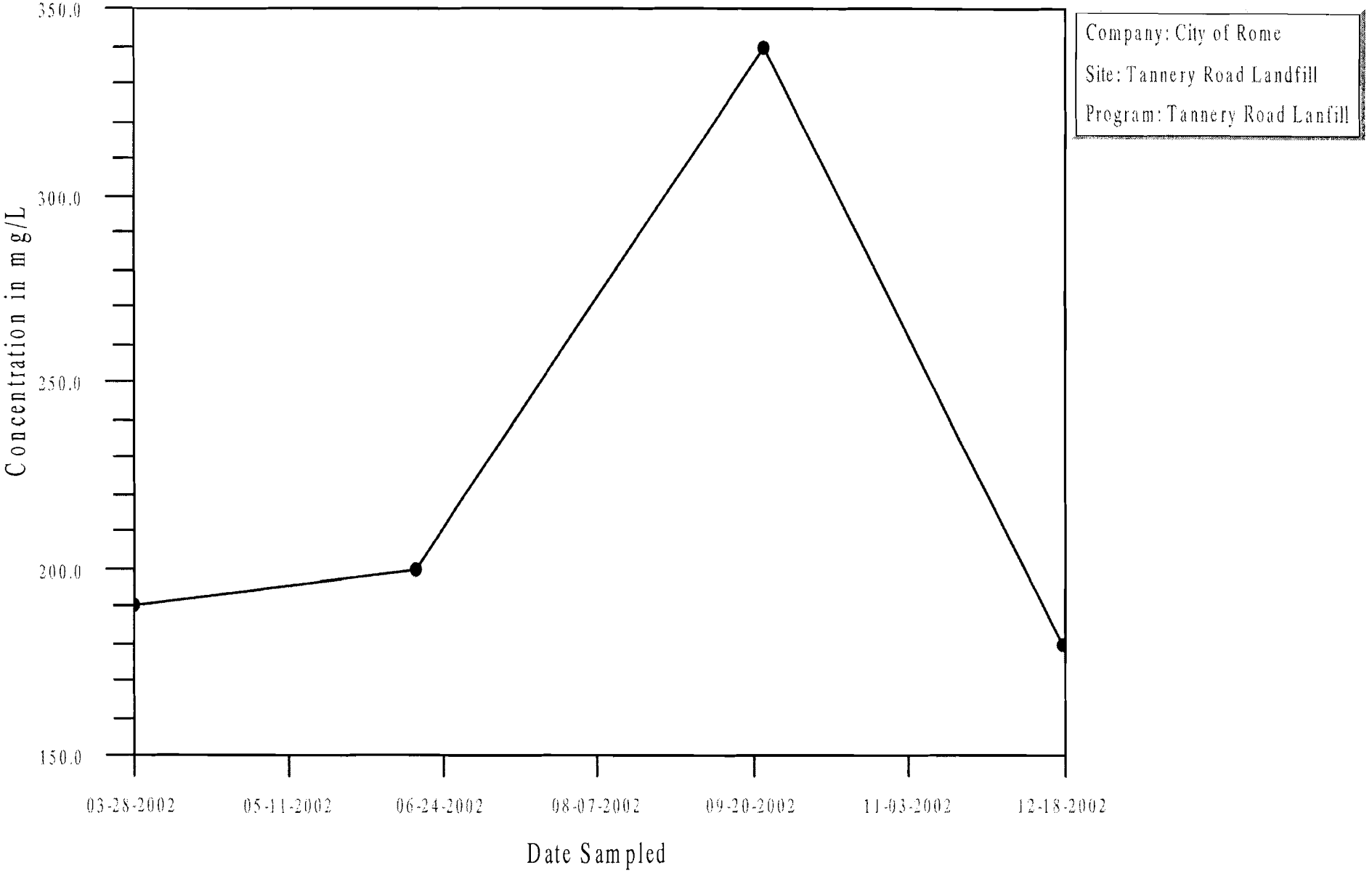
Time-Series Plot

Iron, MW-9S



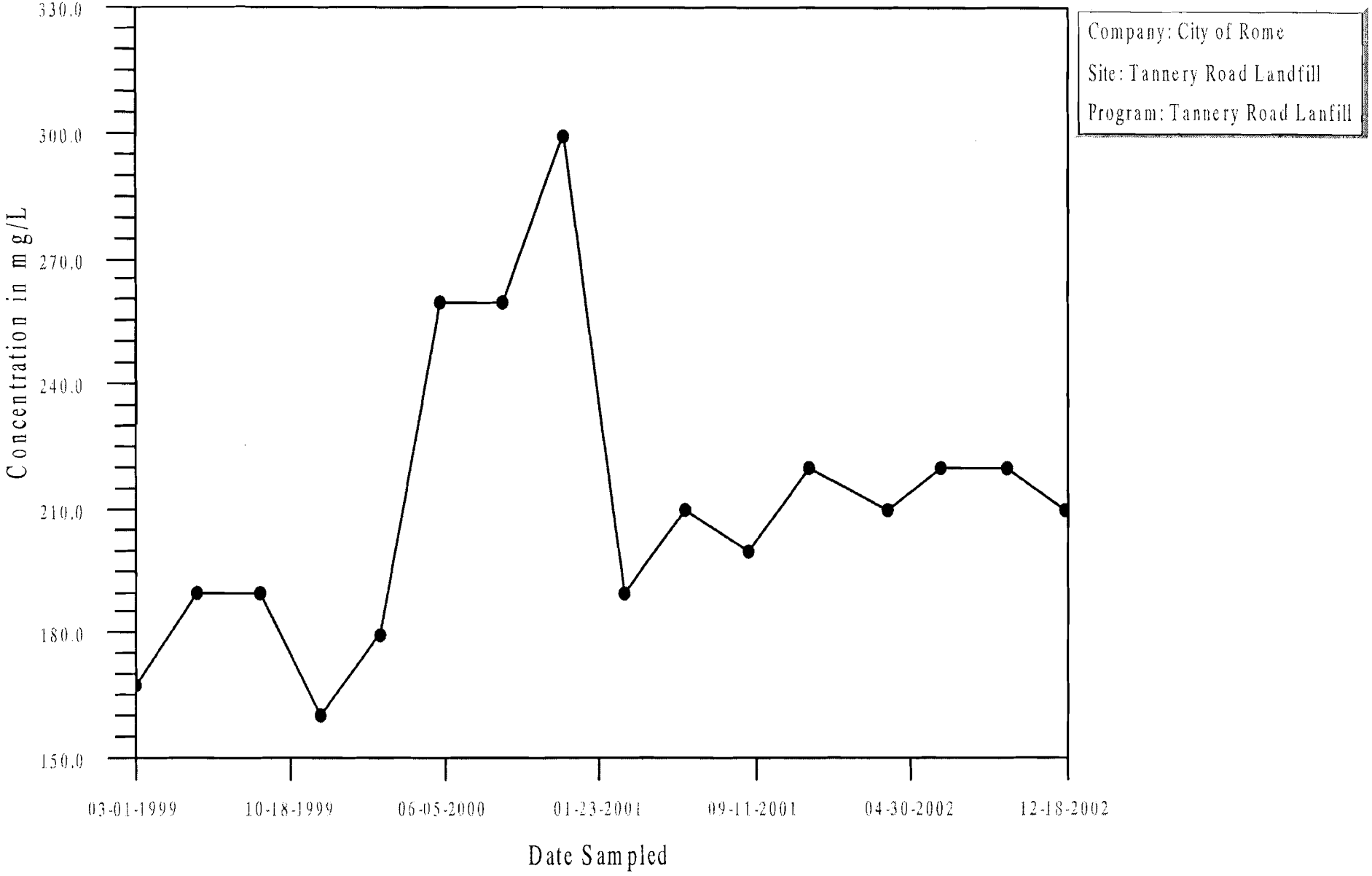
Time-Series Plot

Potassium, LMW-10



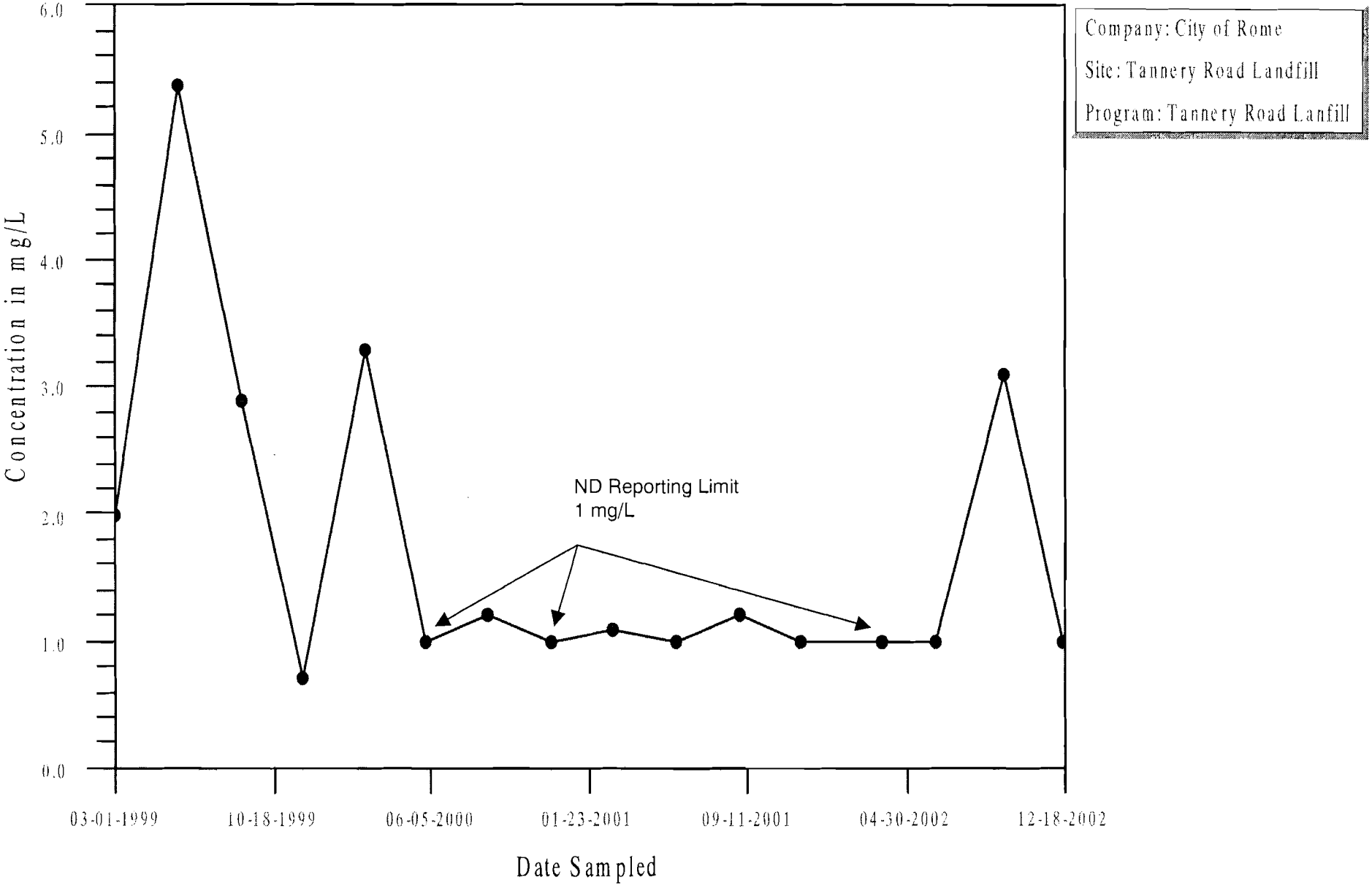
Time-Series Plot

Potassium, LMW-12



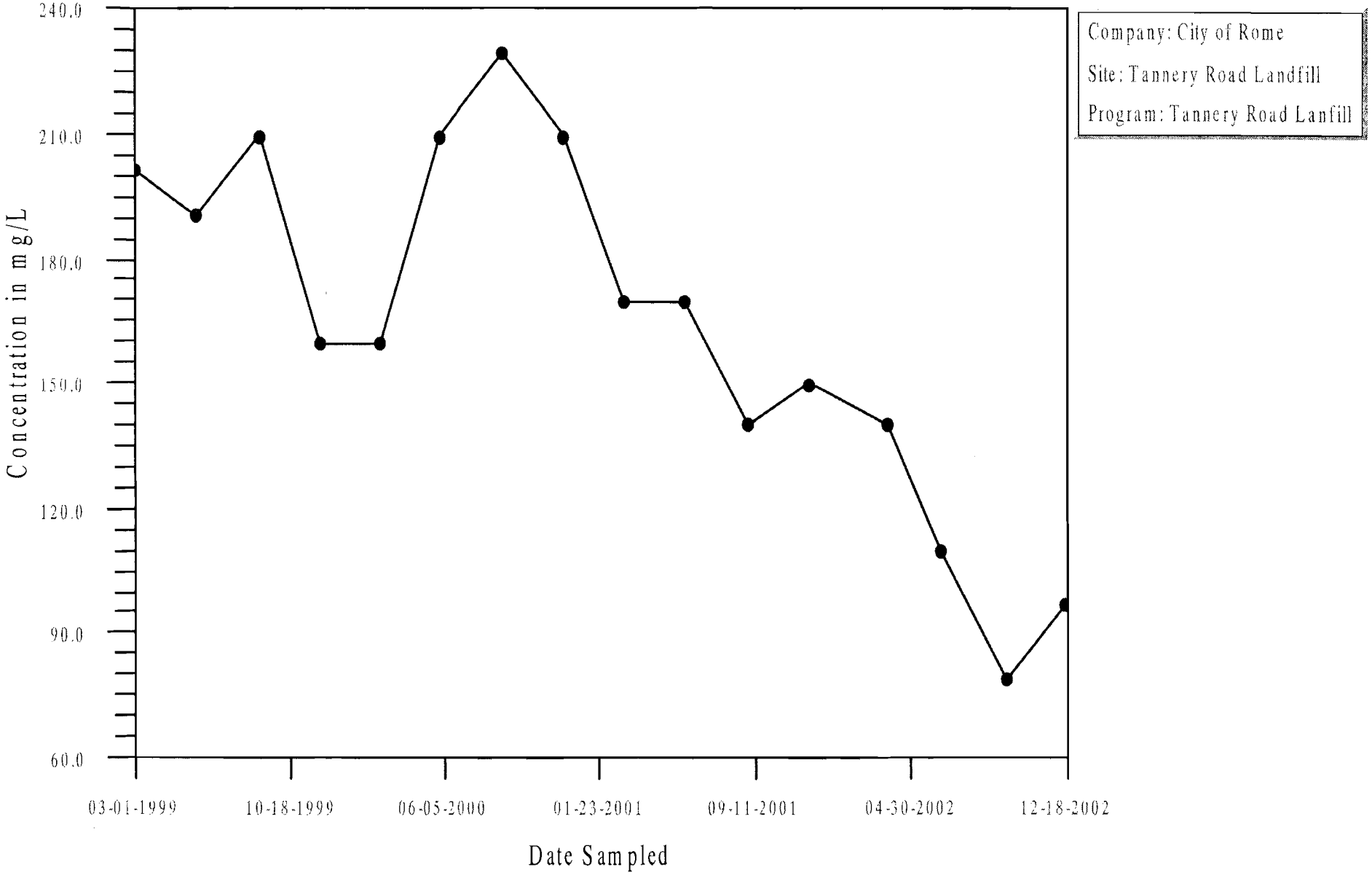
Time-Series Plot

Potassium, MW-1S



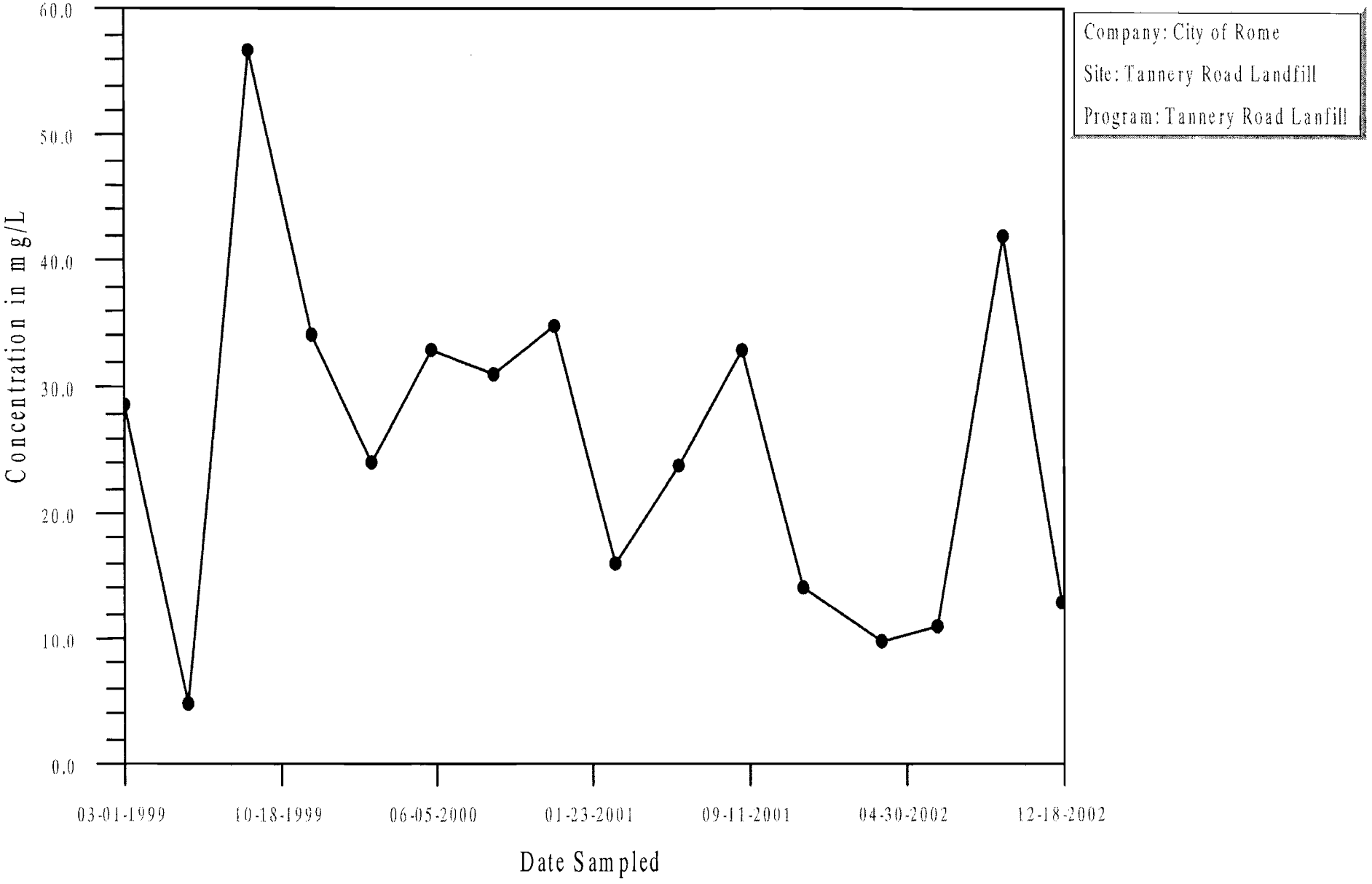
Time-Series Plot

Potassium, MW-3S



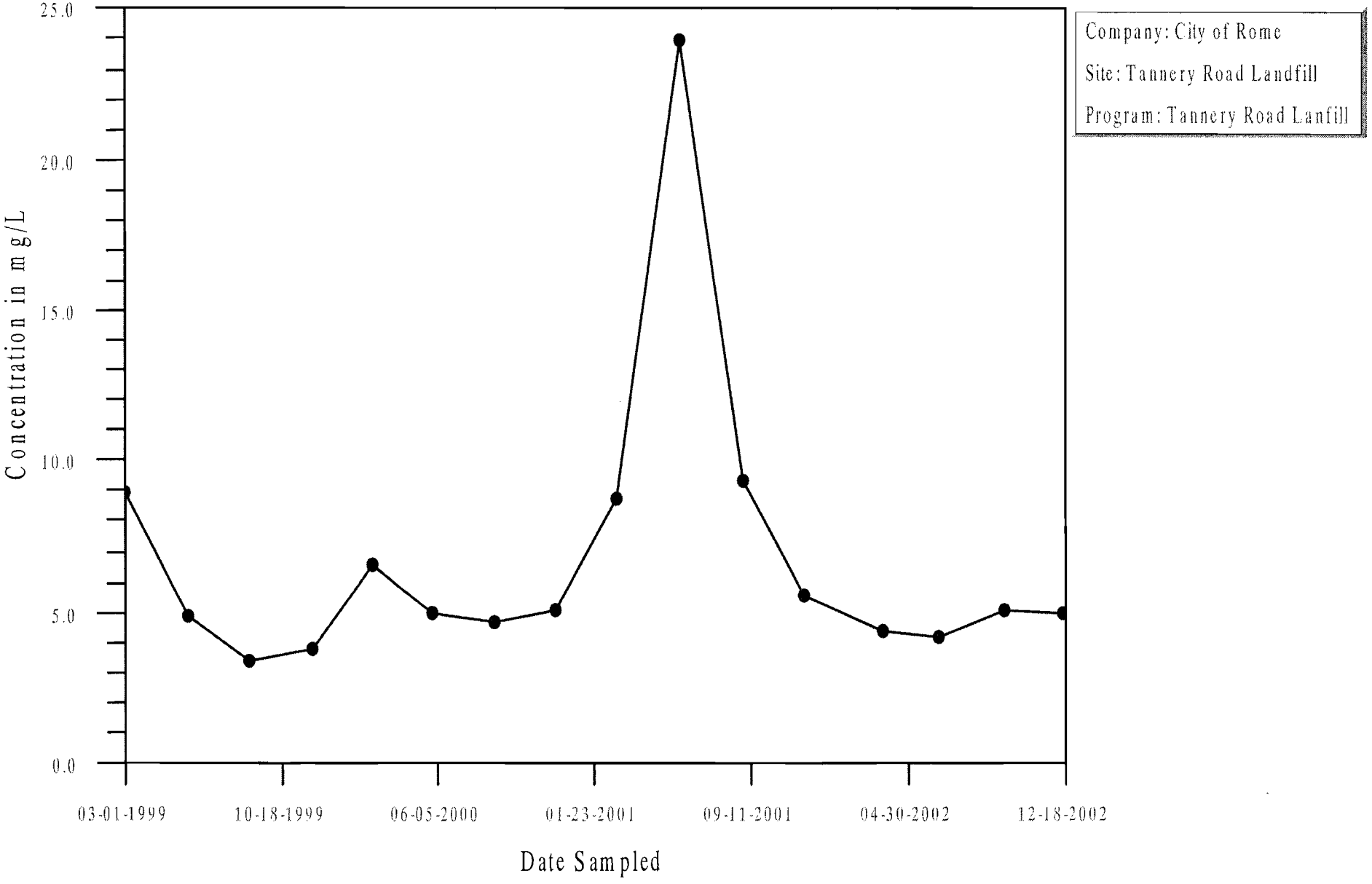
Time-Series Plot

Potassium, MW-4S



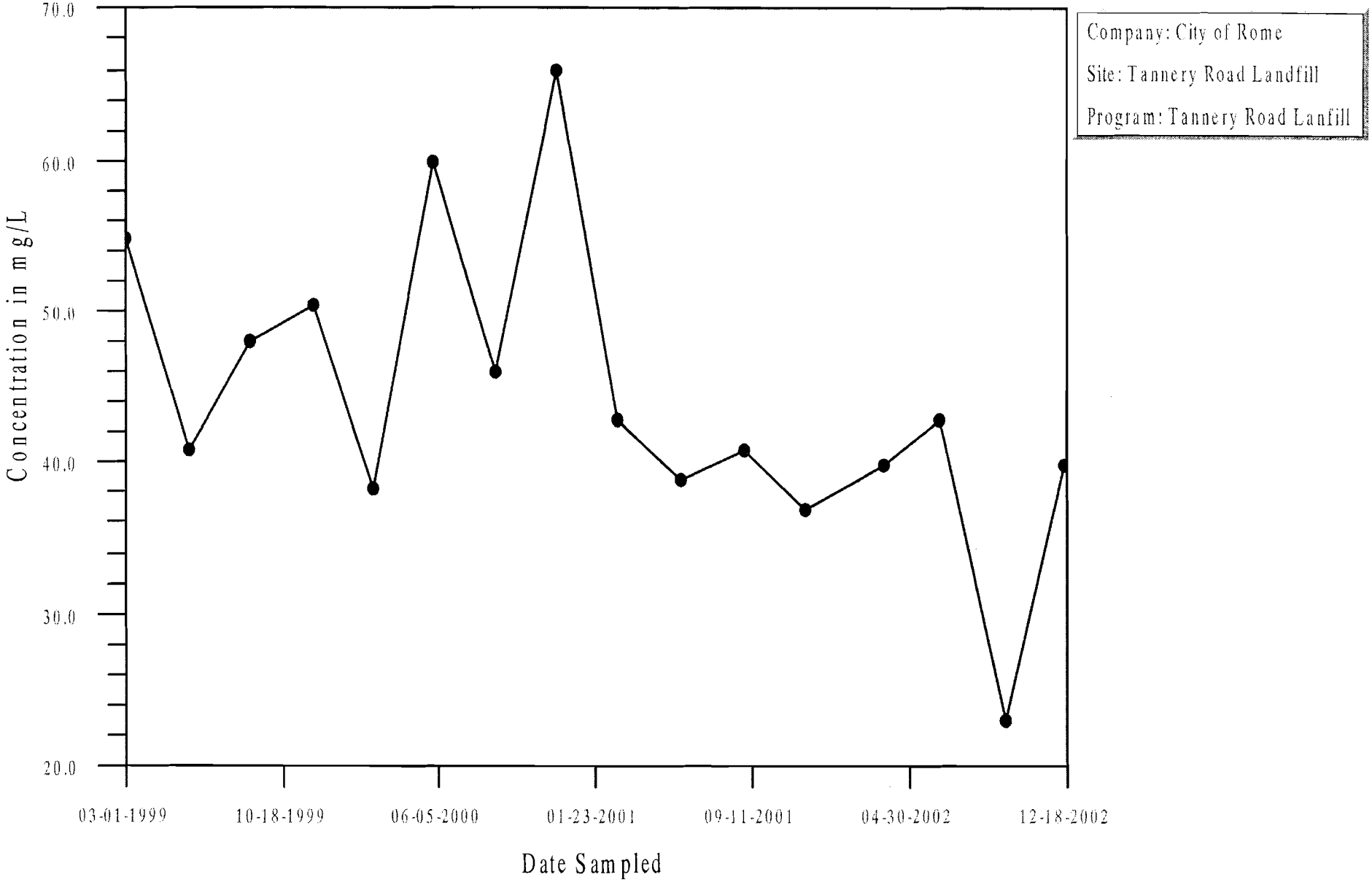
Time-Series Plot

Potassium, MW-5S



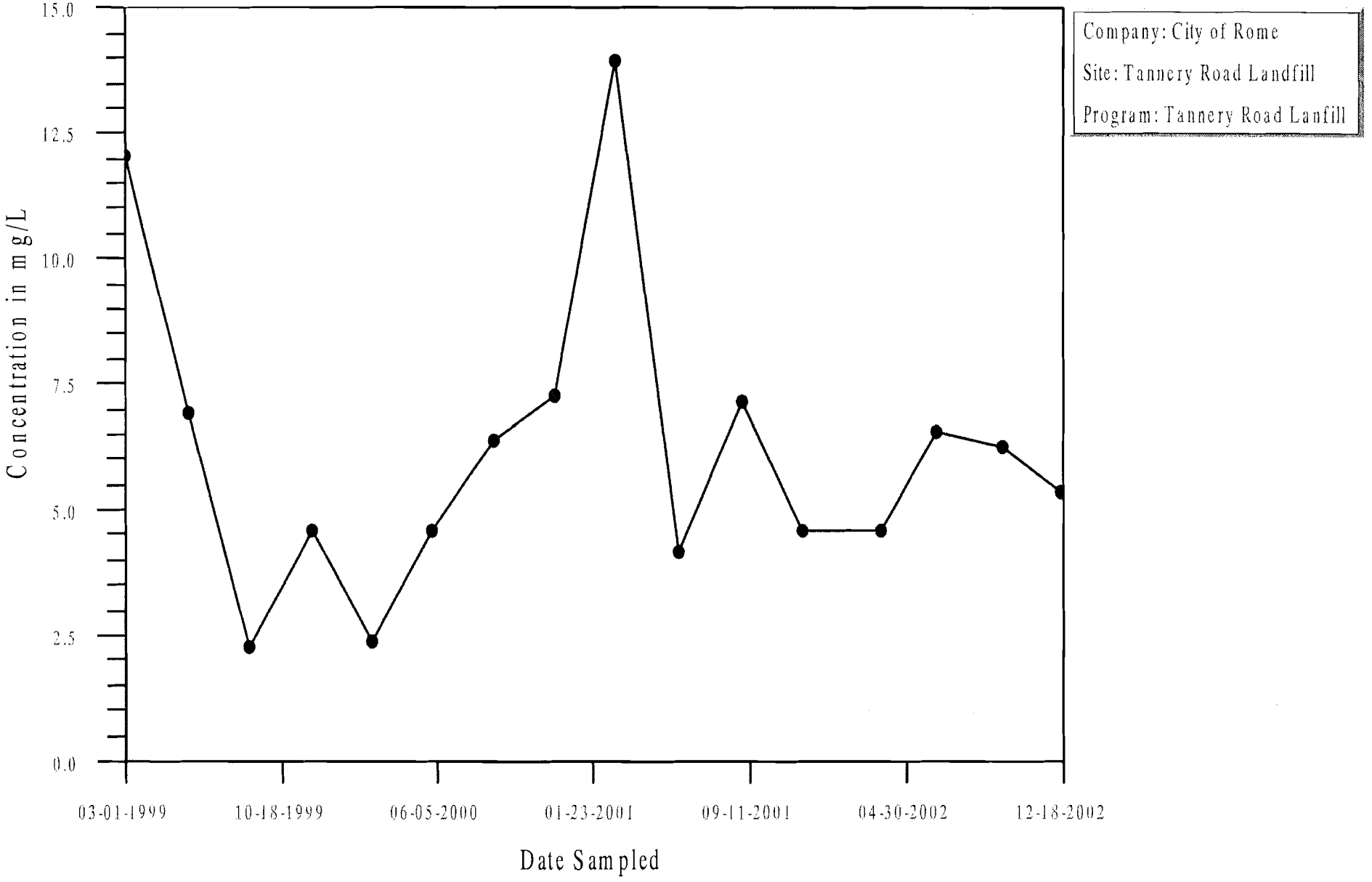
Time-Series Plot

Potassium, MW-7D



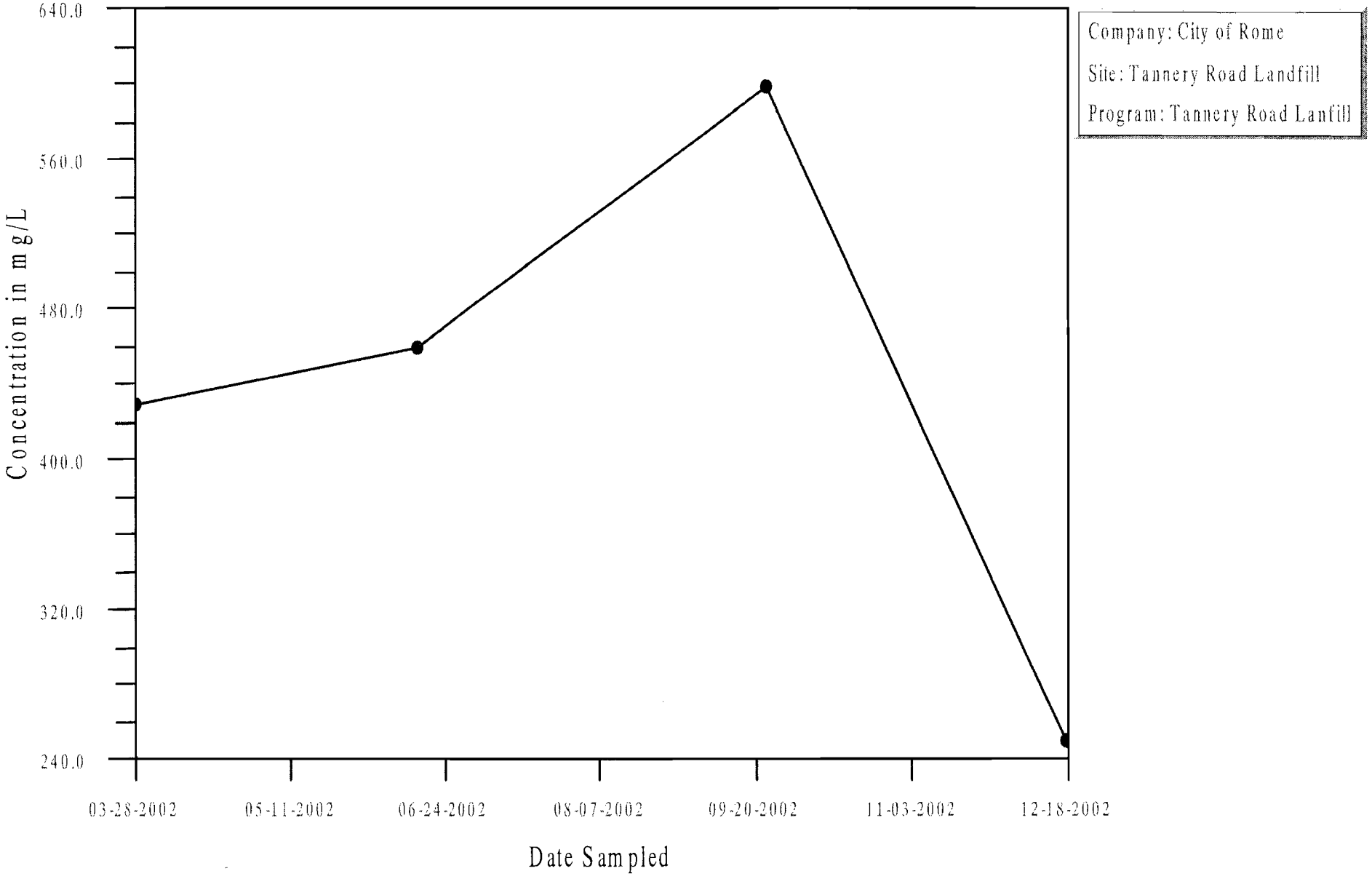
Time-Series Plot

Potassium, MW-9S



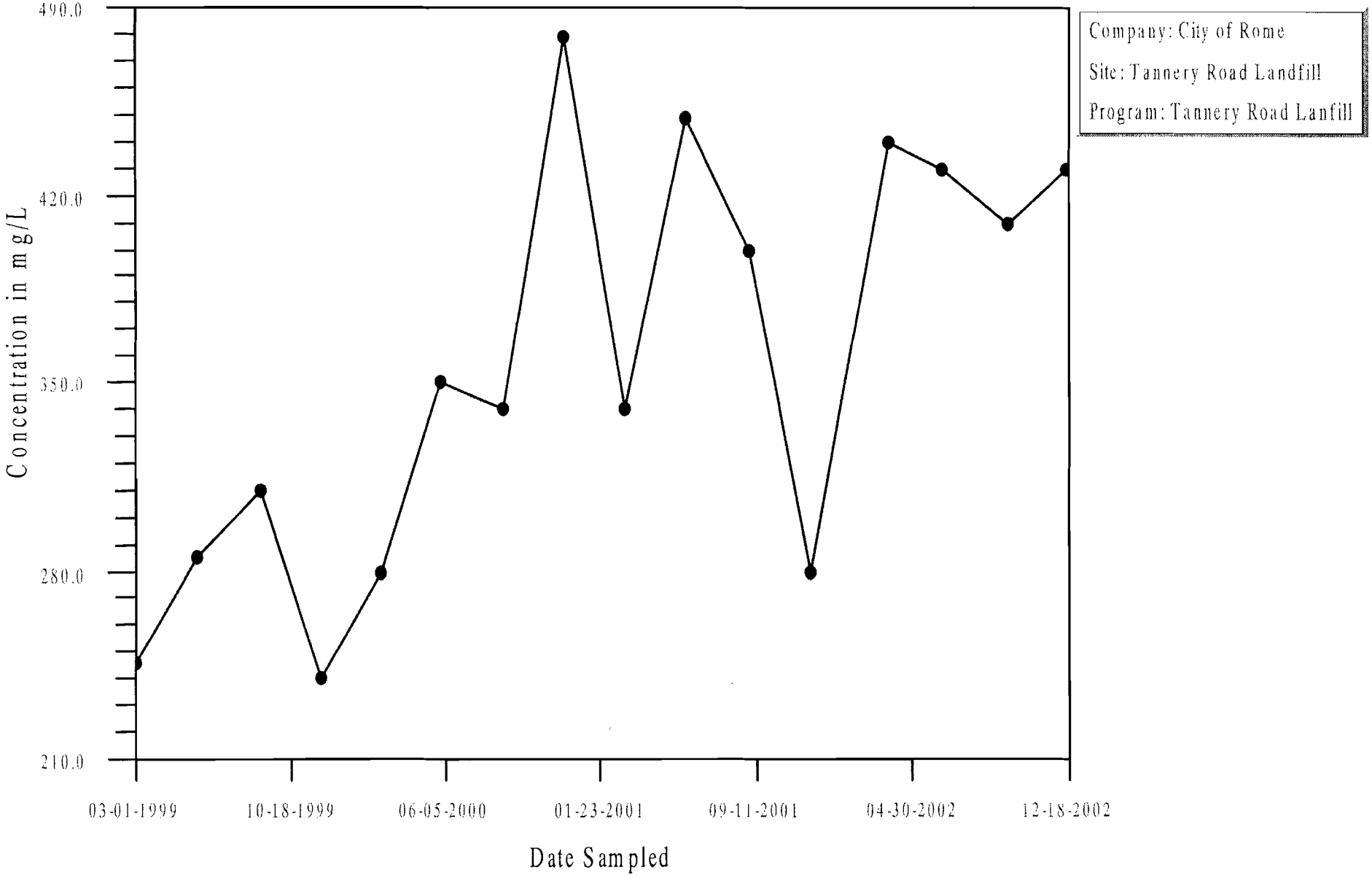
Time-Series Plot

Sodium, LMW-10



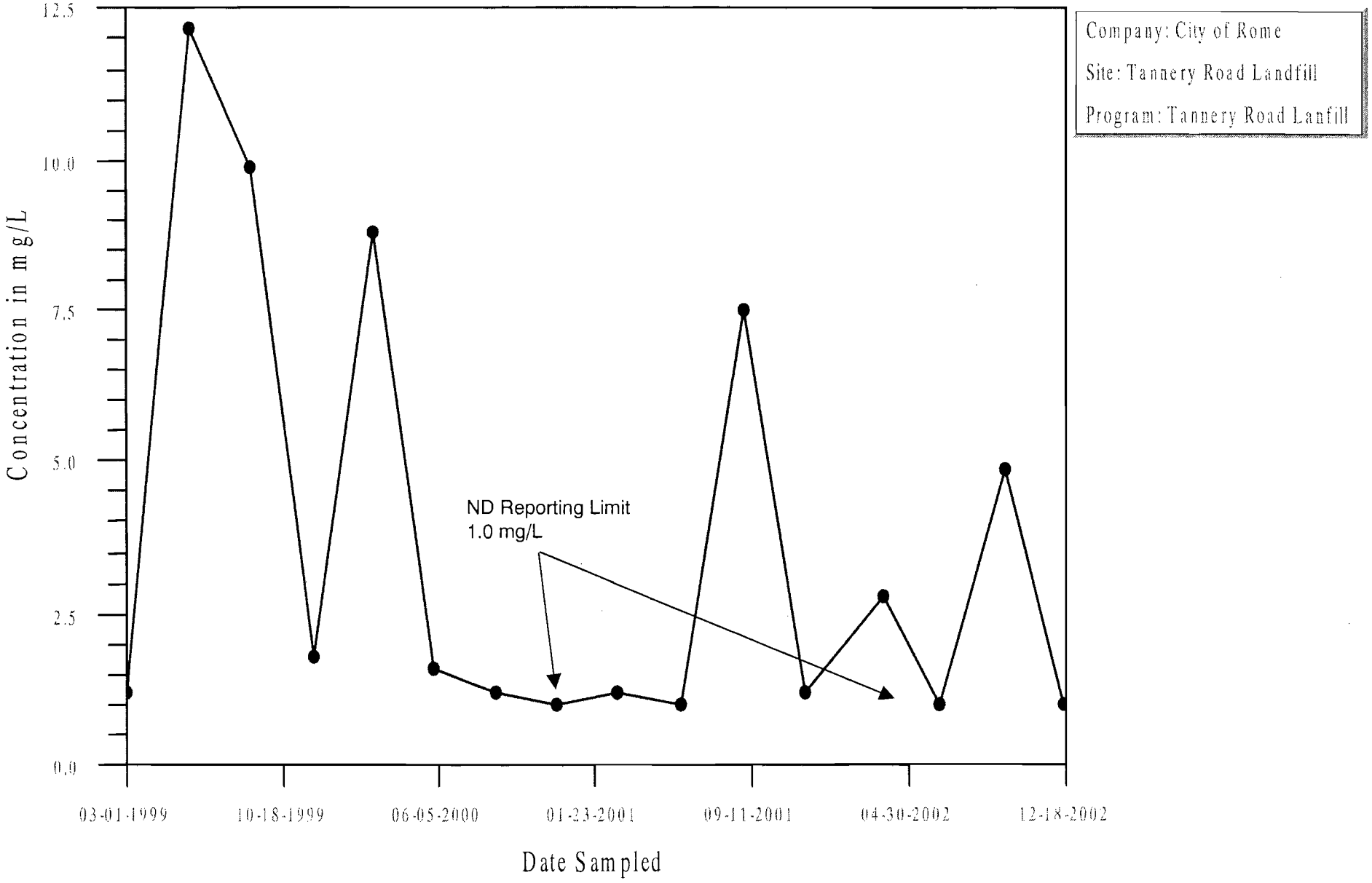
Time-Series Plot

Sodium, LMW-12



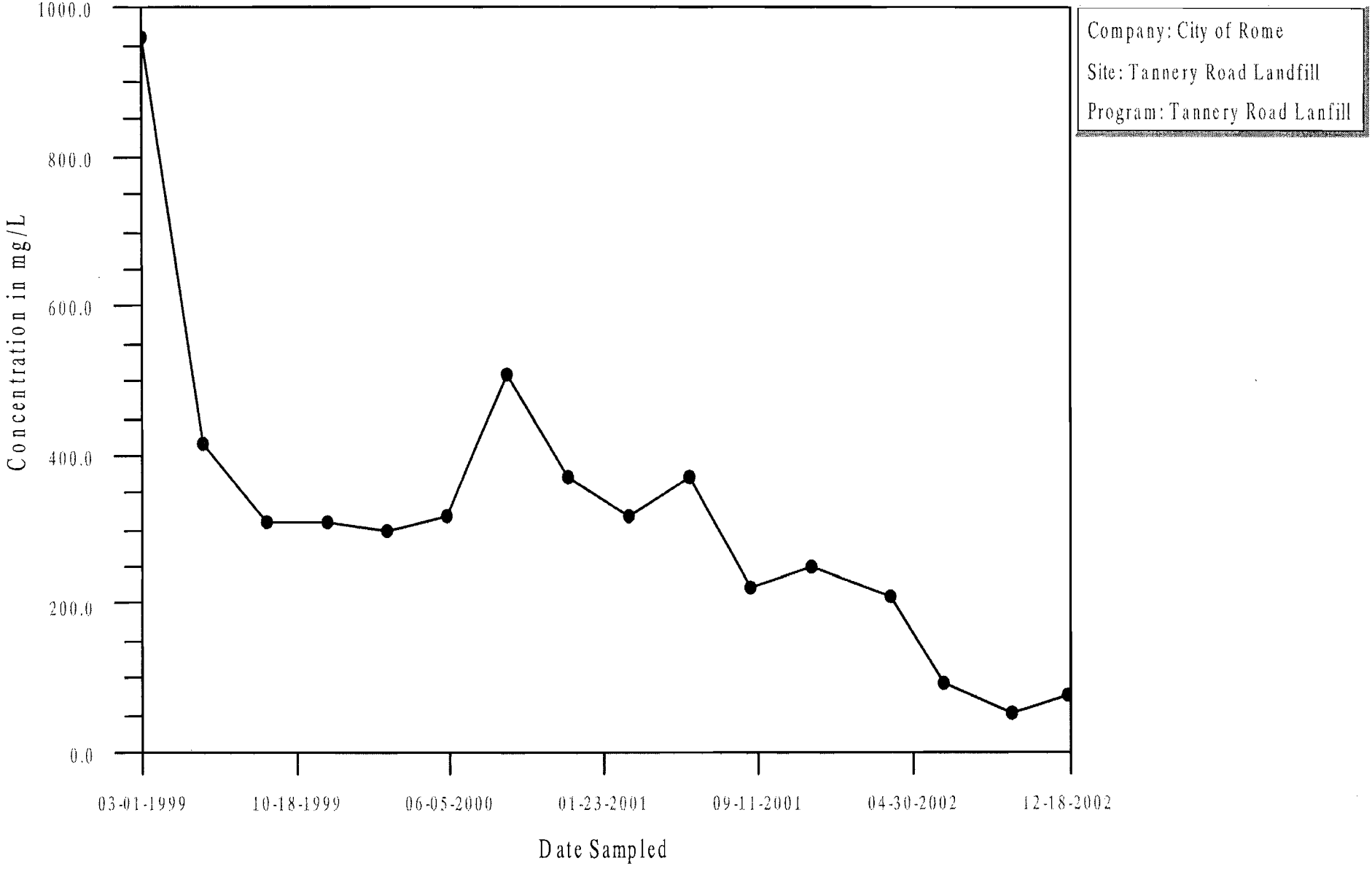
Time-Series Plot

Sodium, MW-1S



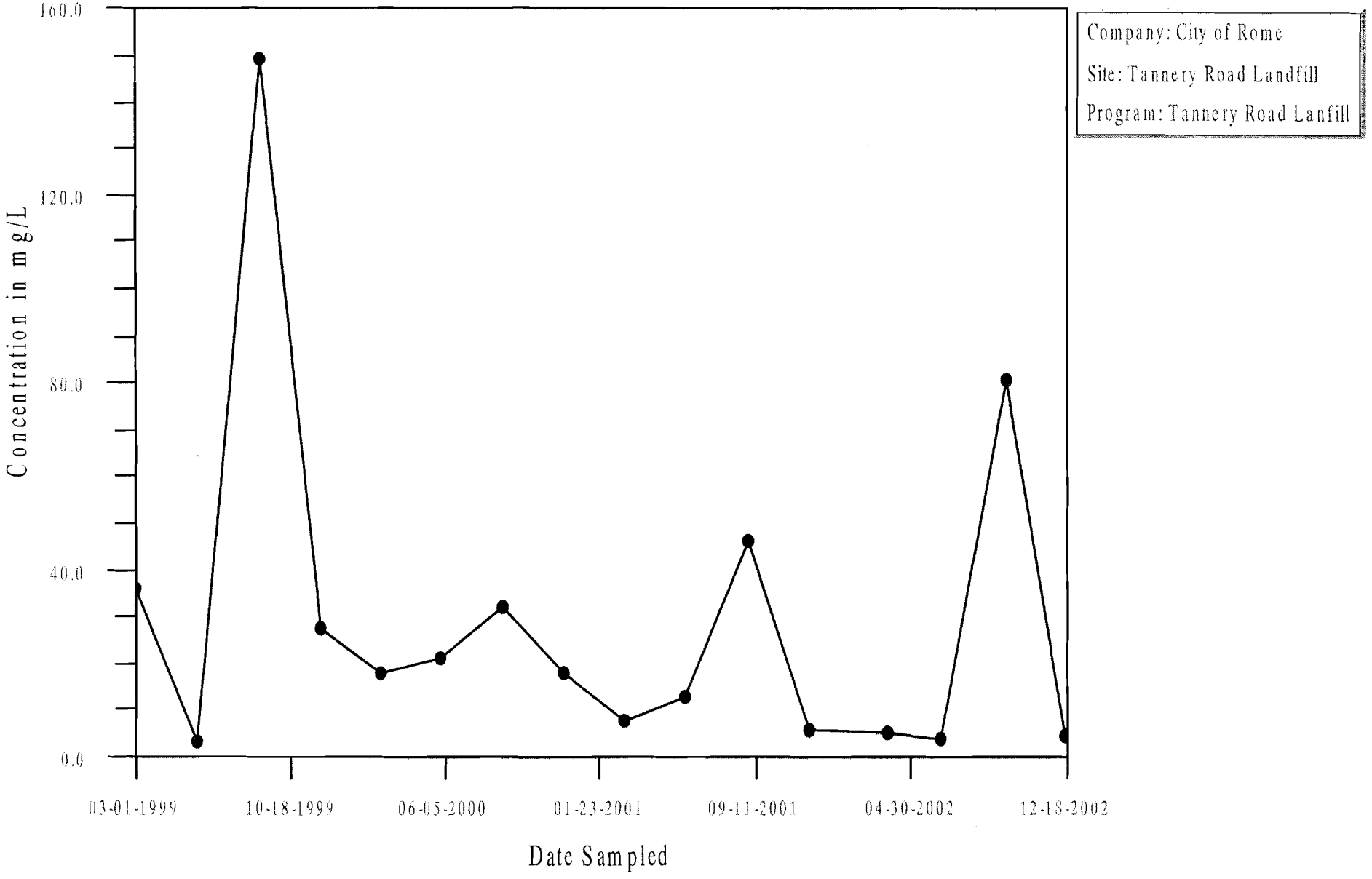
Time-Series Plot

Sodium, MW-3S



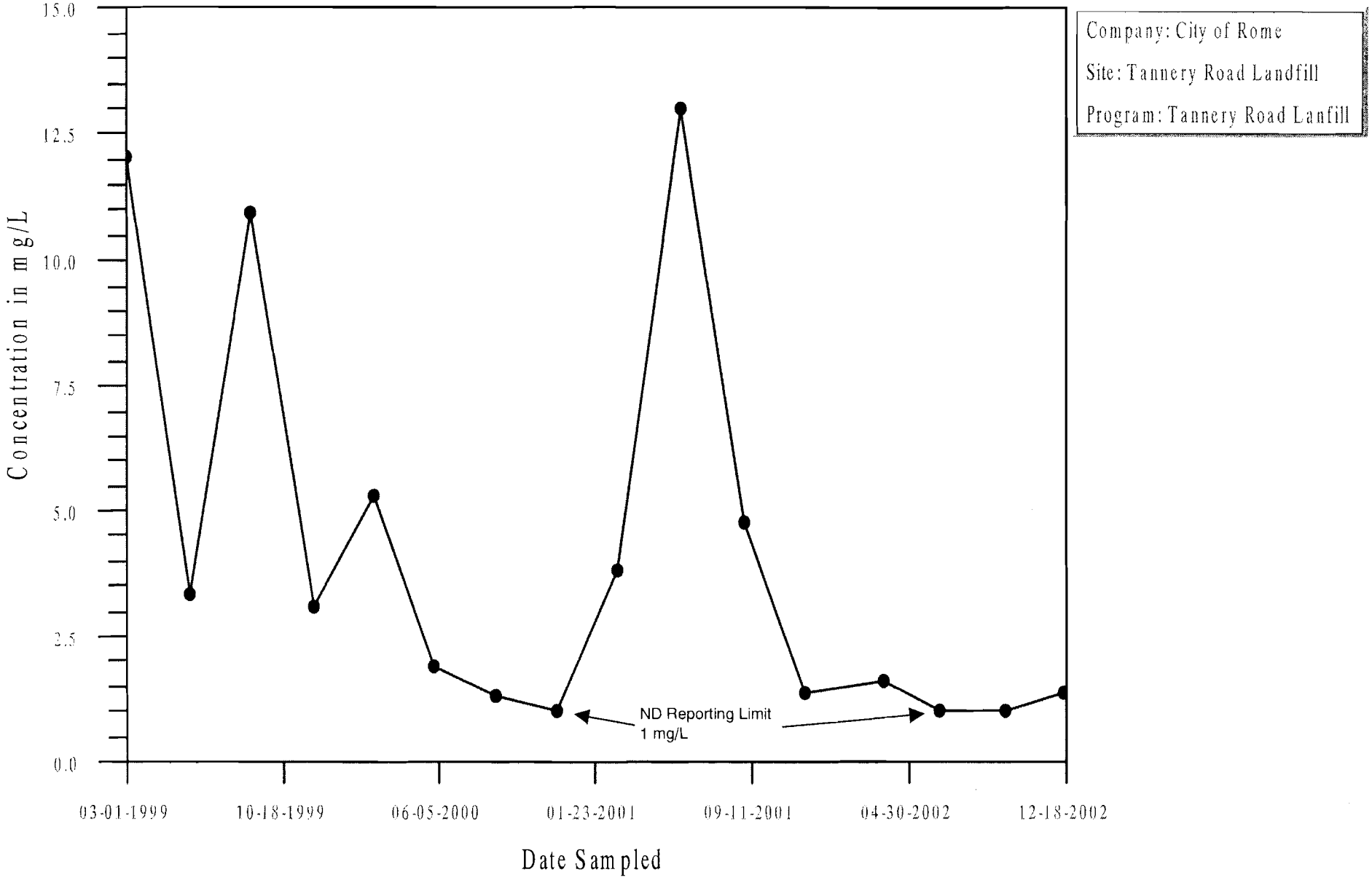
Time-Series Plot

Sodium, MW-4S



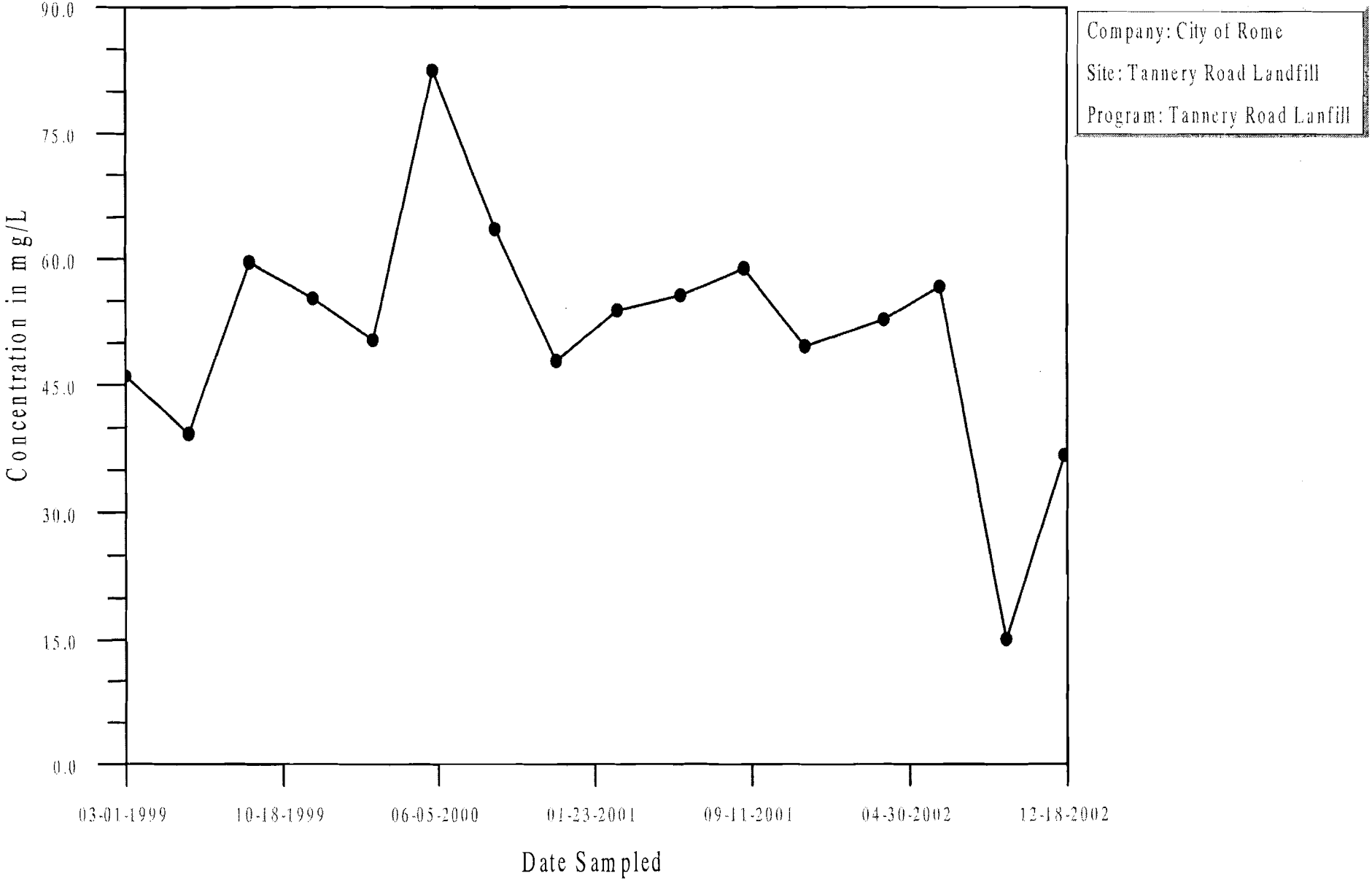
Time-Series Plot

Sodium, MW-5S



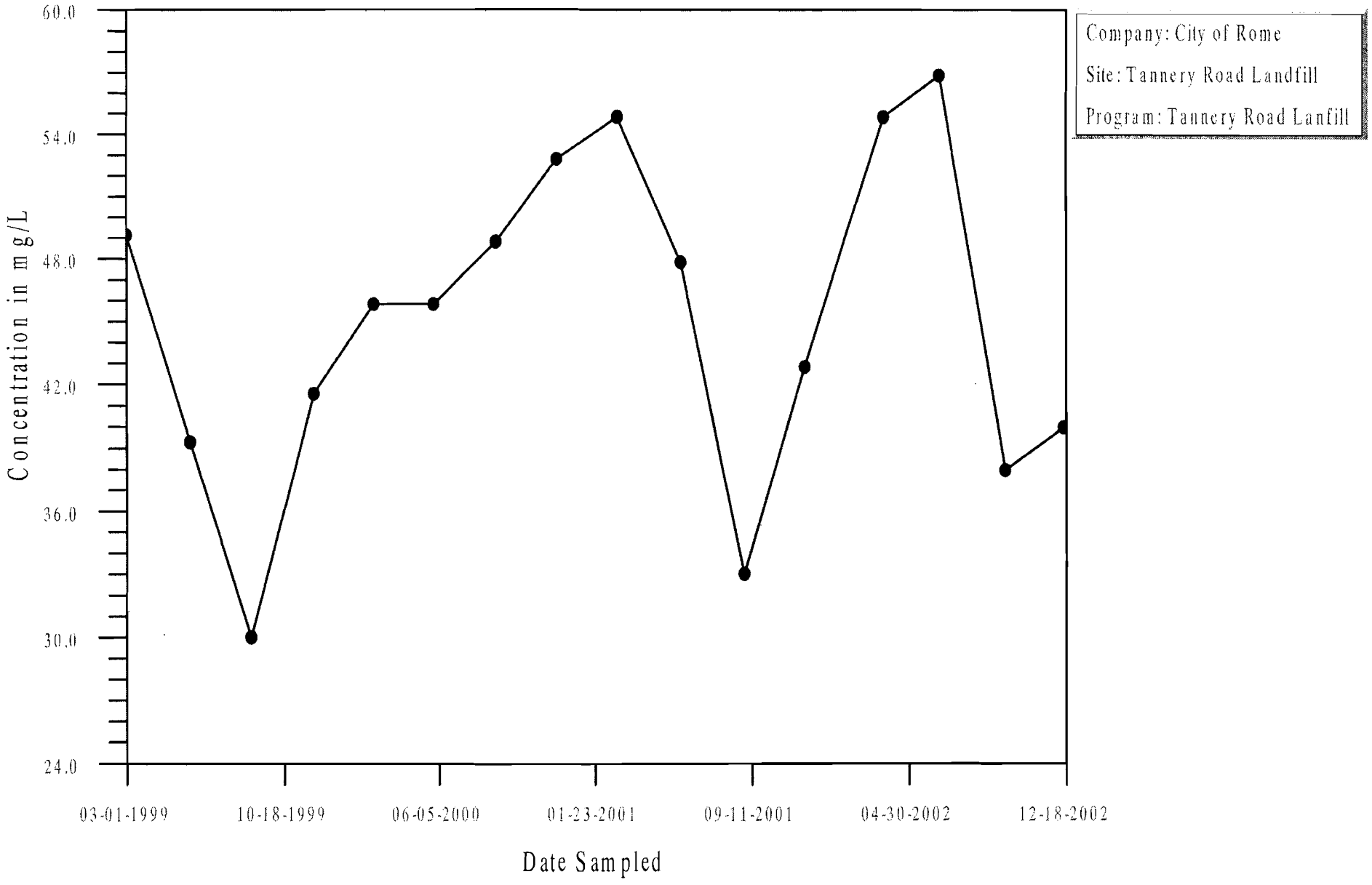
Time-Series Plot

Sodium, MW-7D



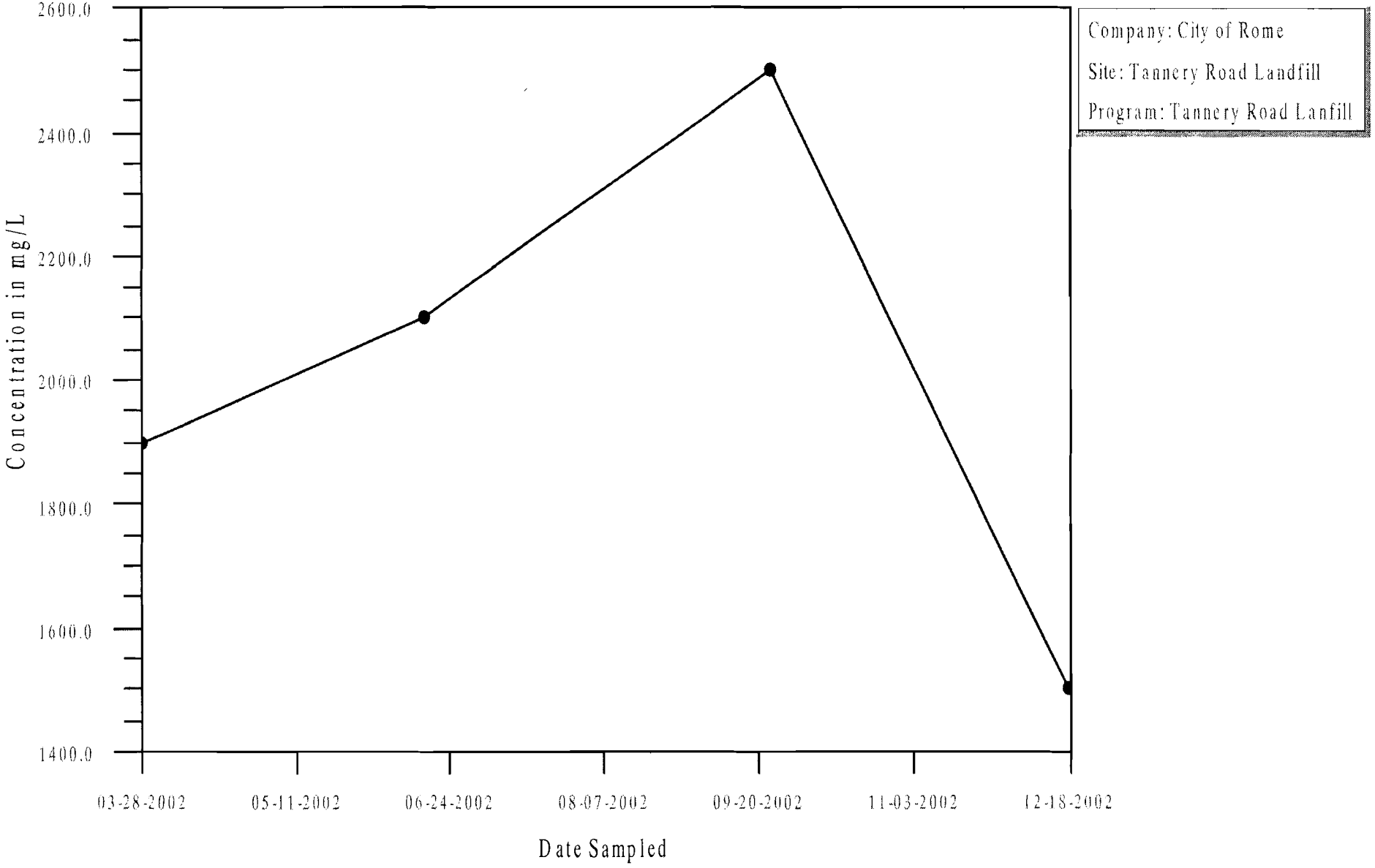
Time-Series Plot

Sodium, MW-9S



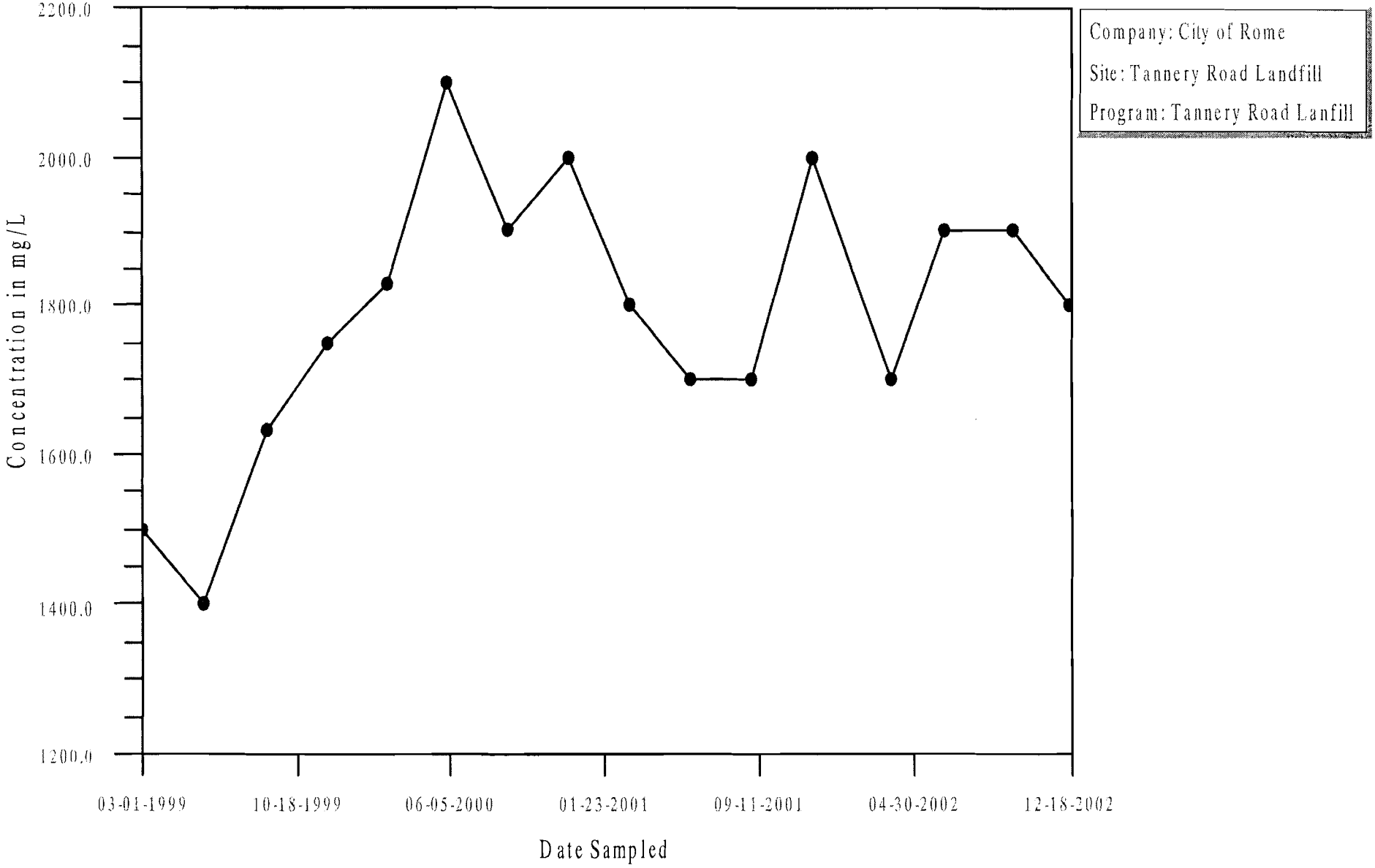
Time-Series Plot

Total Dissolved Solids, LMW-10



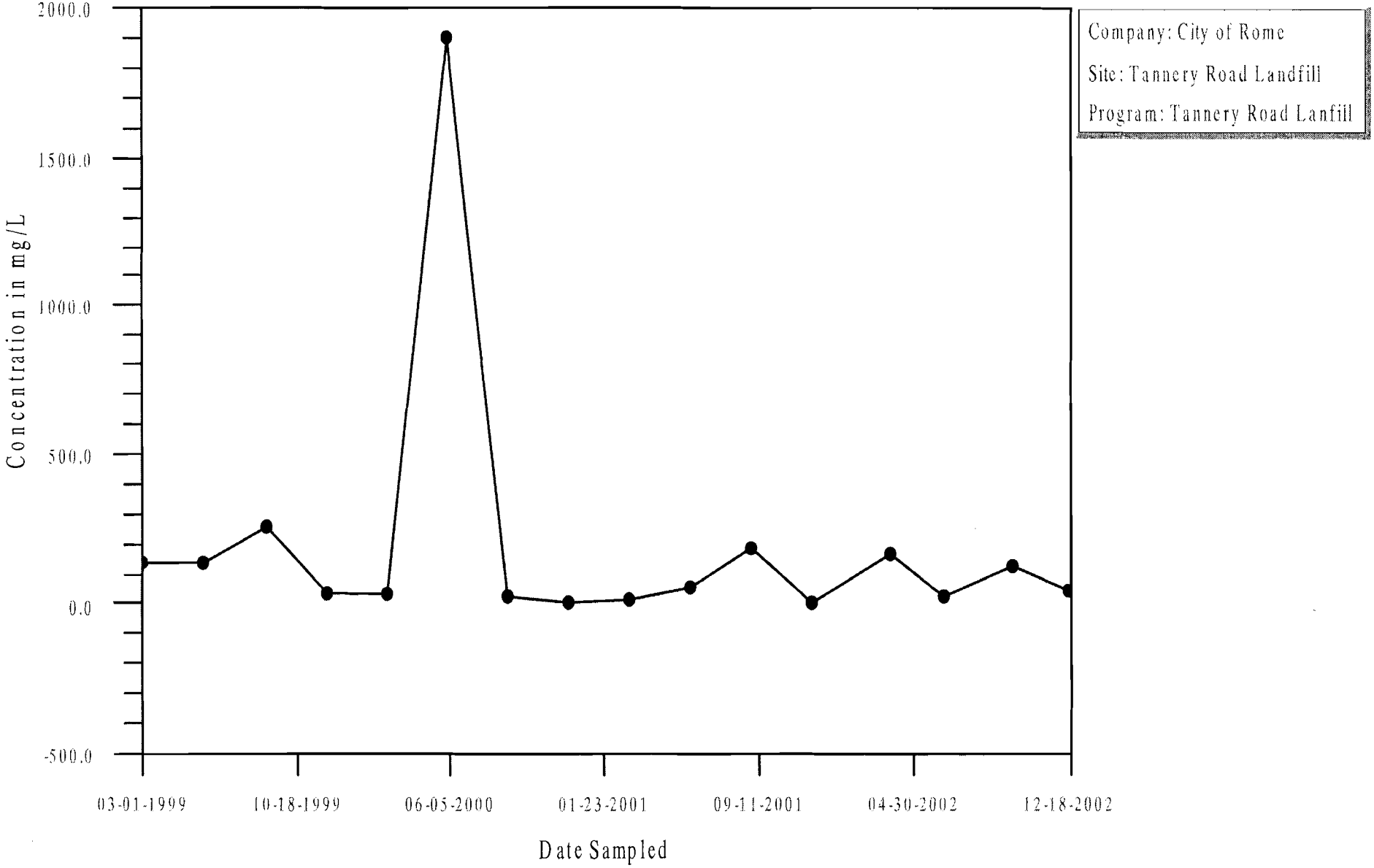
Time-Series Plot

Total Dissolved Solids, LMW-12



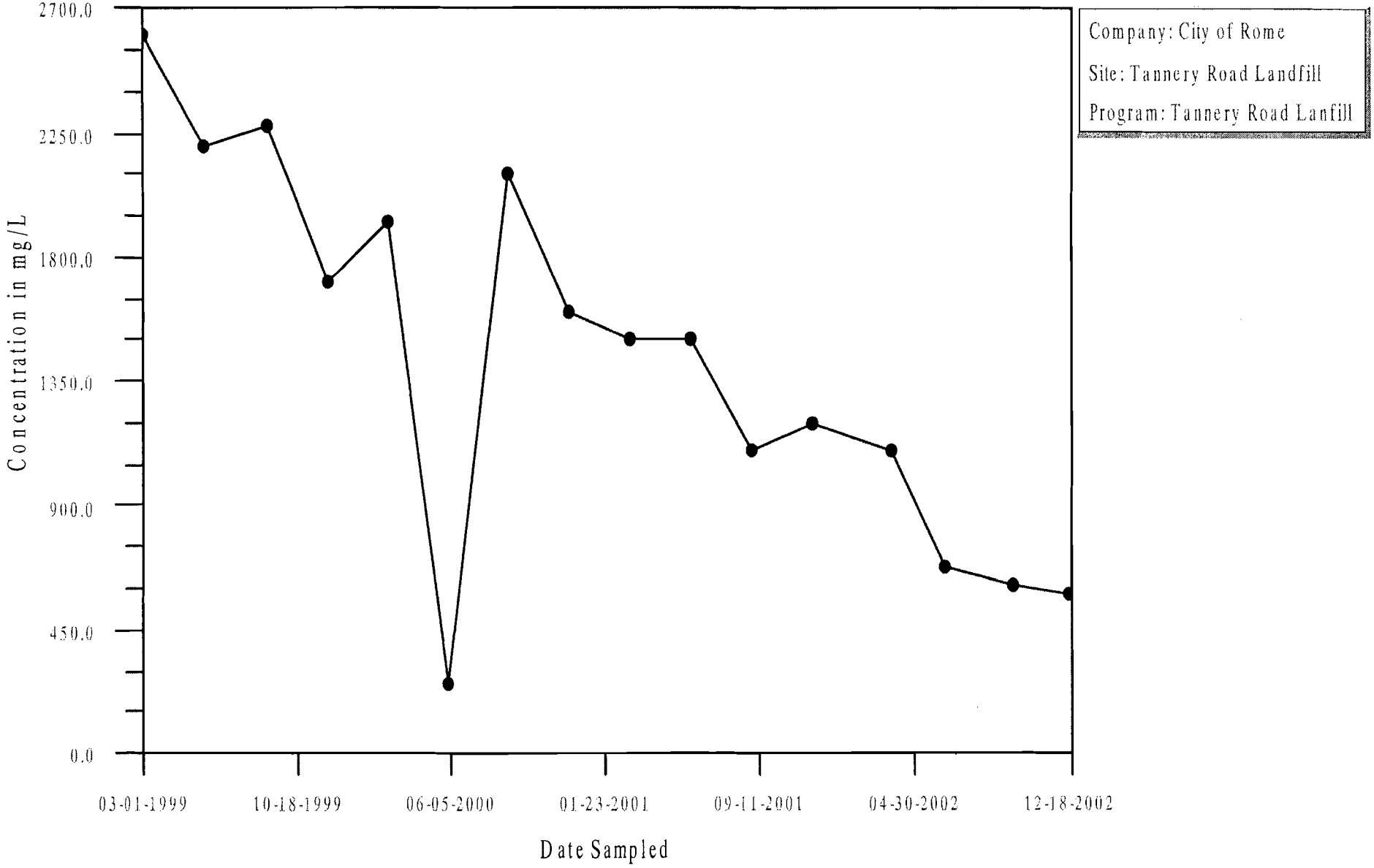
Time-Series Plot

Total Dissolved Solids, MW-1S



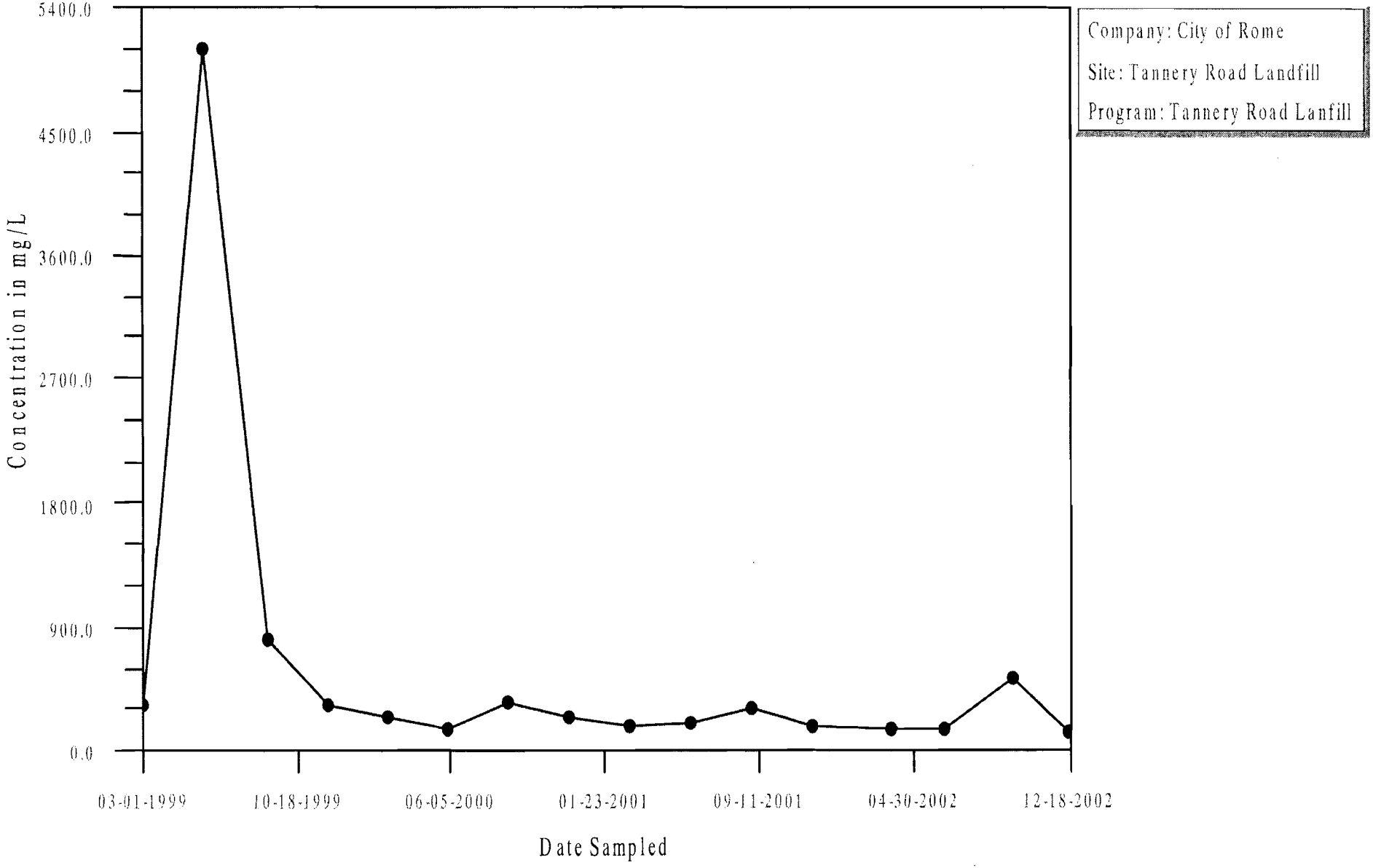
Time-Series Plot

Total Dissolved Solids, MW-3S



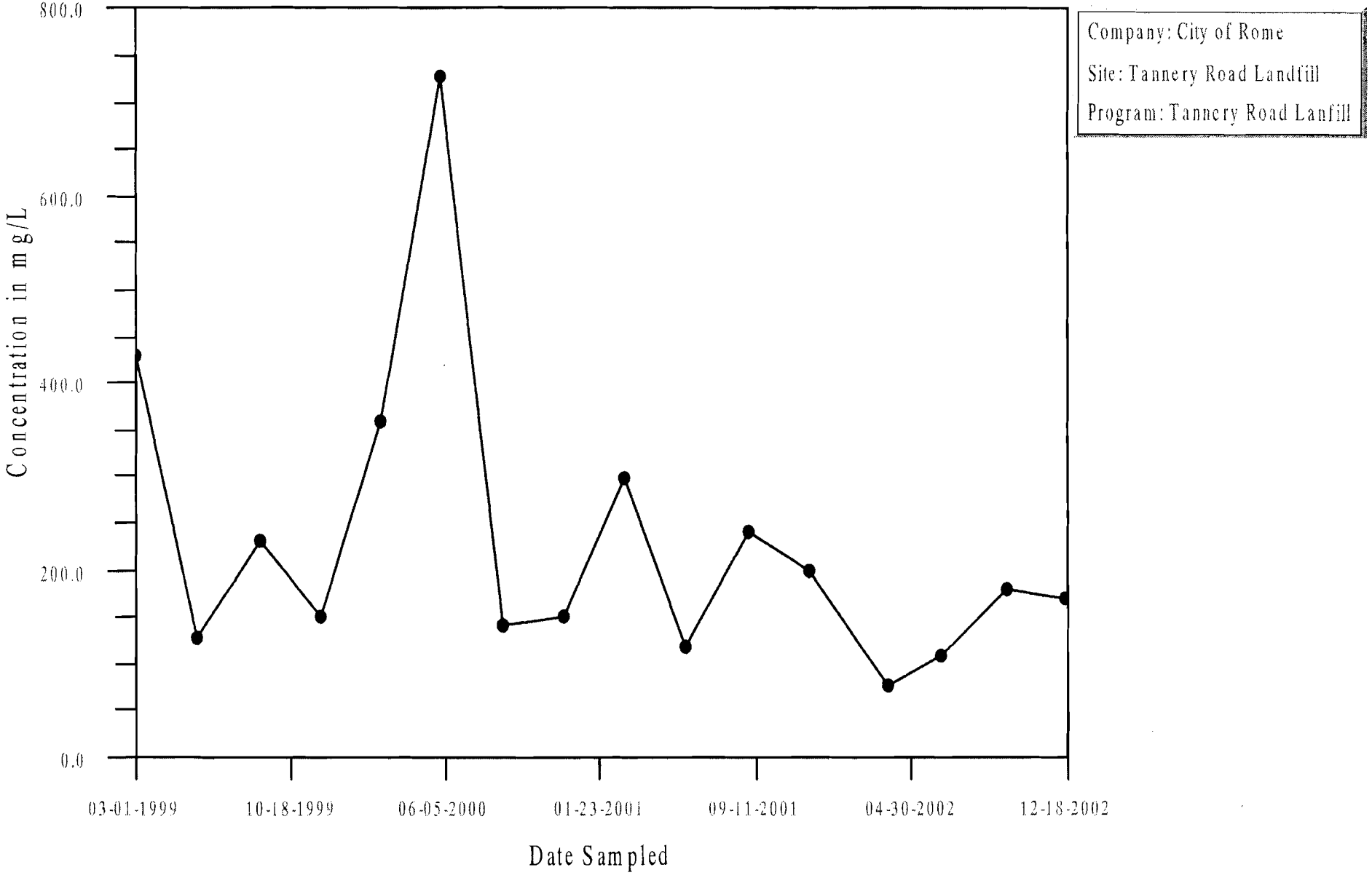
Time-Series Plot

Total Dissolved Solids, MW-4S



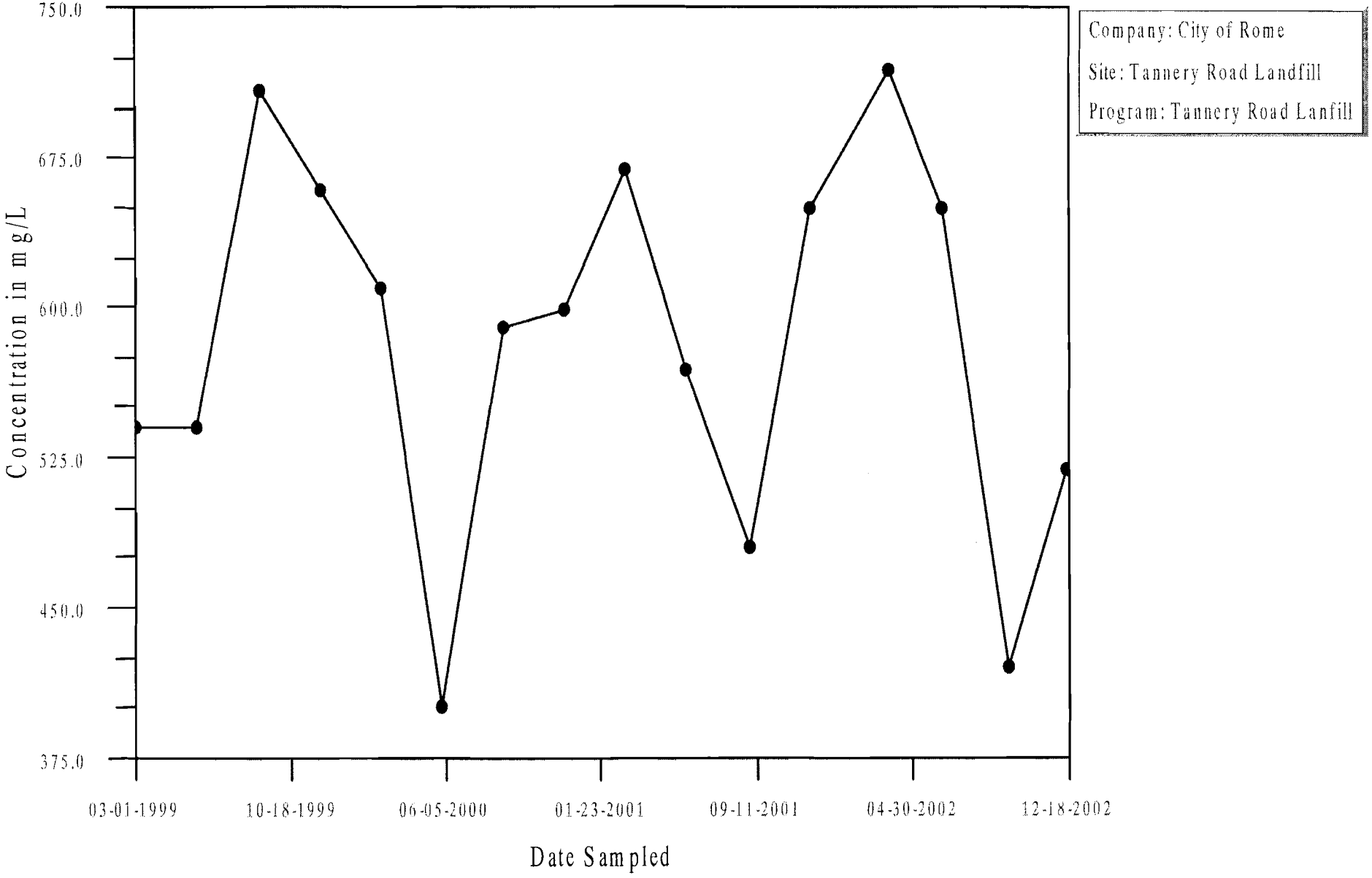
Time-Series Plot

Total Dissolved Solids, MW-5S



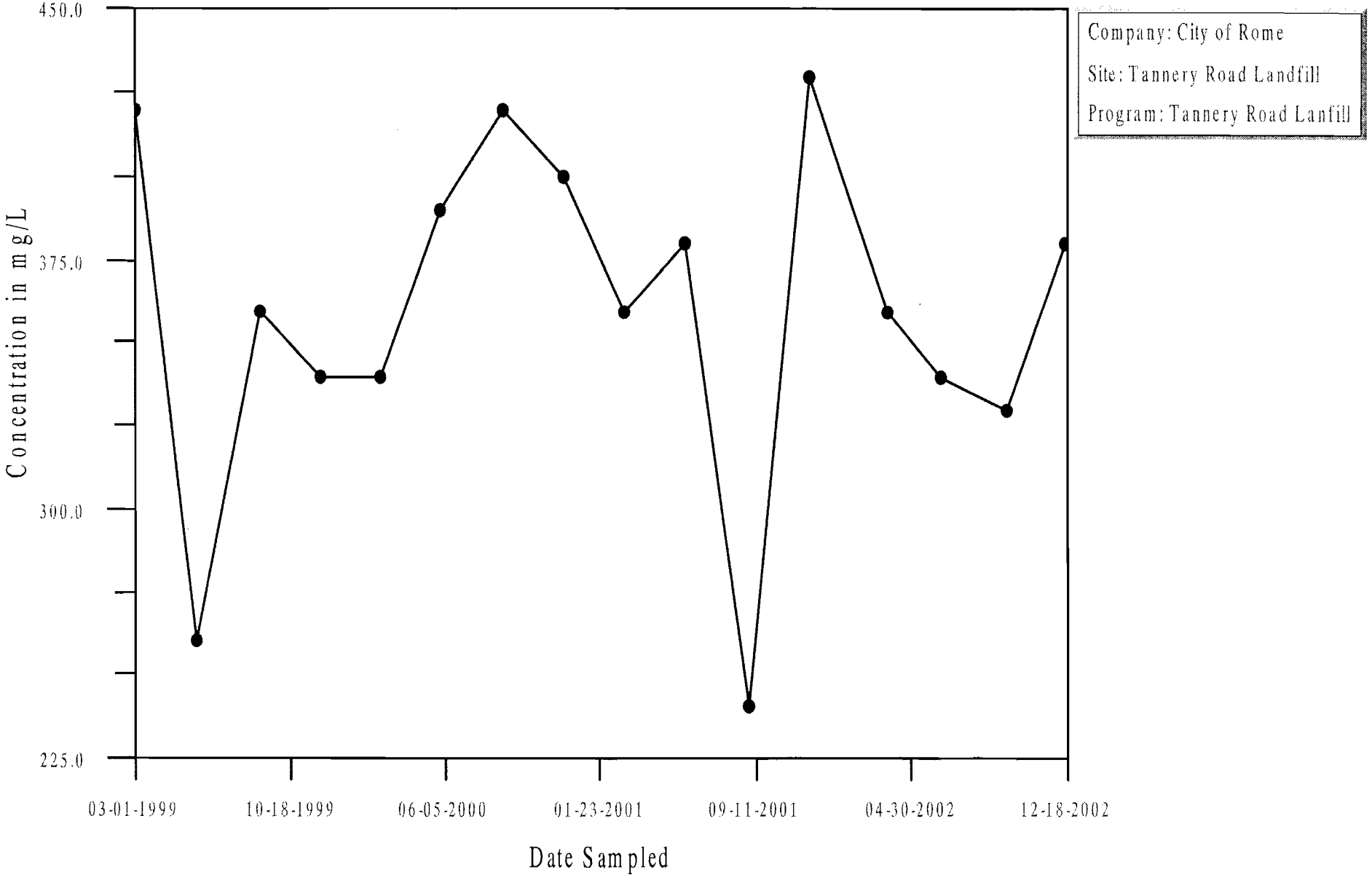
Time-Series Plot

Total Dissolved Solids, MW-7D



Time-Series Plot

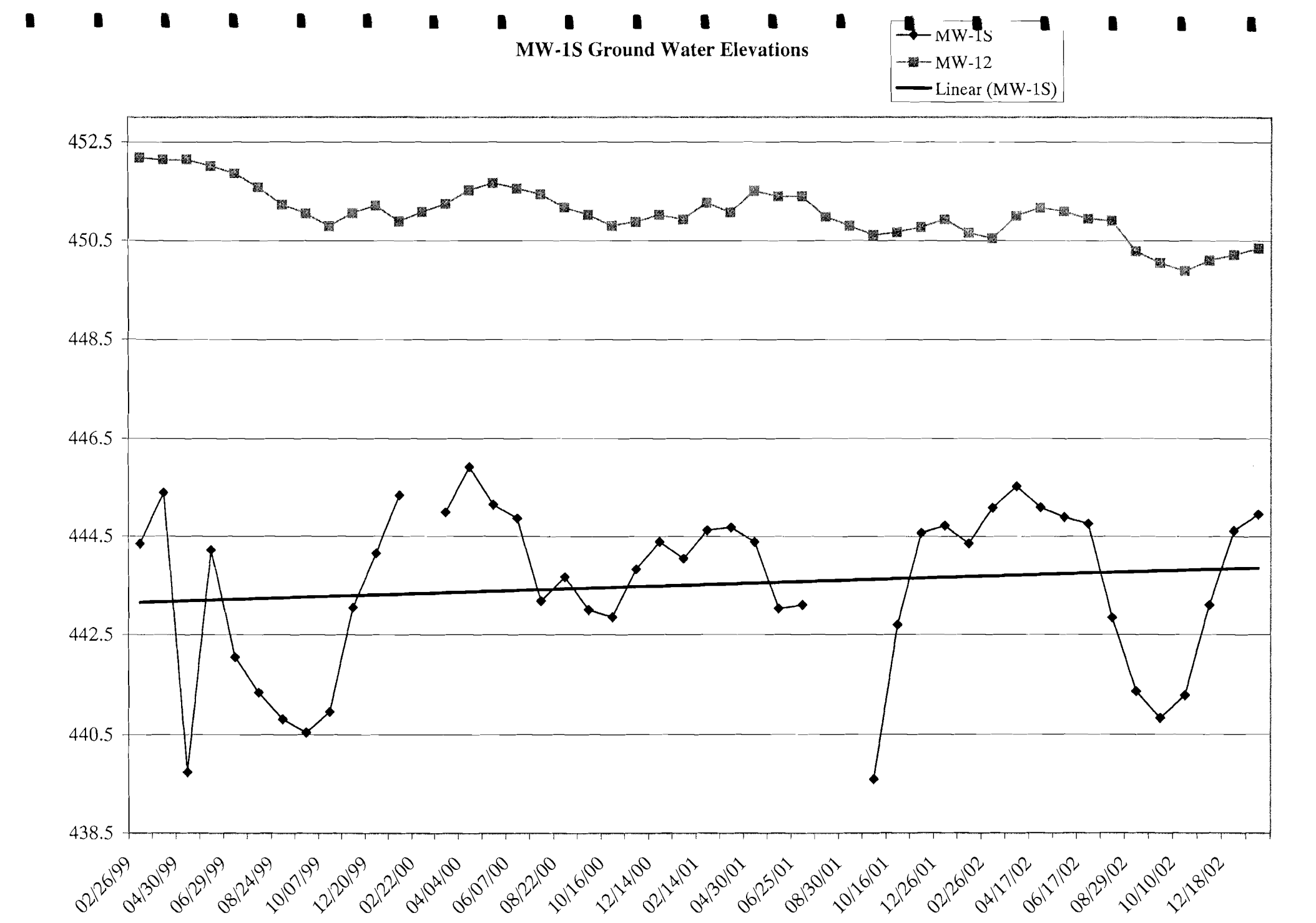
Total Dissolved Solids, MW-9S



APPENDIX D

MONITORING WELL AND LEACHATE WELL

GROUND WATER ELEVATION DATA


MW-1S Ground Water Elevations
MW-1S
MW-12
Linear (MW-1S)
452.5
450.5
448.5
446.5
444.5
442.5
440.5
438.5
02/26/99
04/30/99
06/29/99
08/24/99
10/07/99
12/20/99
02/22/00
04/04/00
06/07/00
08/22/00
10/16/00
12/14/00
02/14/01
04/30/01
06/25/01
08/30/01
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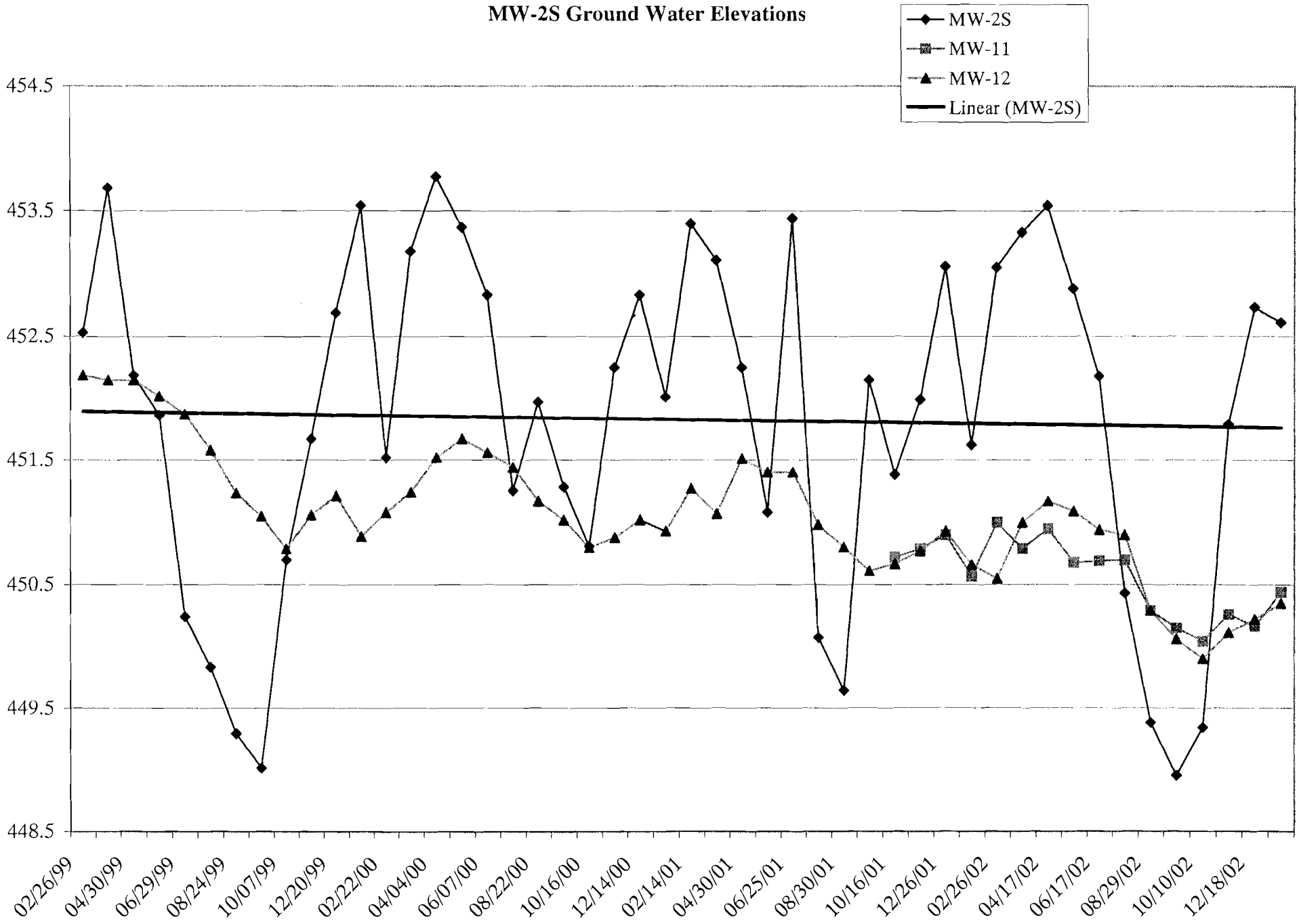
06/17/02
08/29/02
10/10/02
12/18/02


MW-2S Ground Water Elevations
MW-2S
MW-11
MW-12
Linear (MW-2S)
454.5
453.5
452.5
451.5
450.5
449.5
448.5
02/26/99
04/30/99
06/29/99
08/24/99
10/07/99
12/20/99
02/22/00
04/04/00
06/07/00
08/22/00
10/16/00
12/14/00
02/14/01
04/30/01
06/25/01
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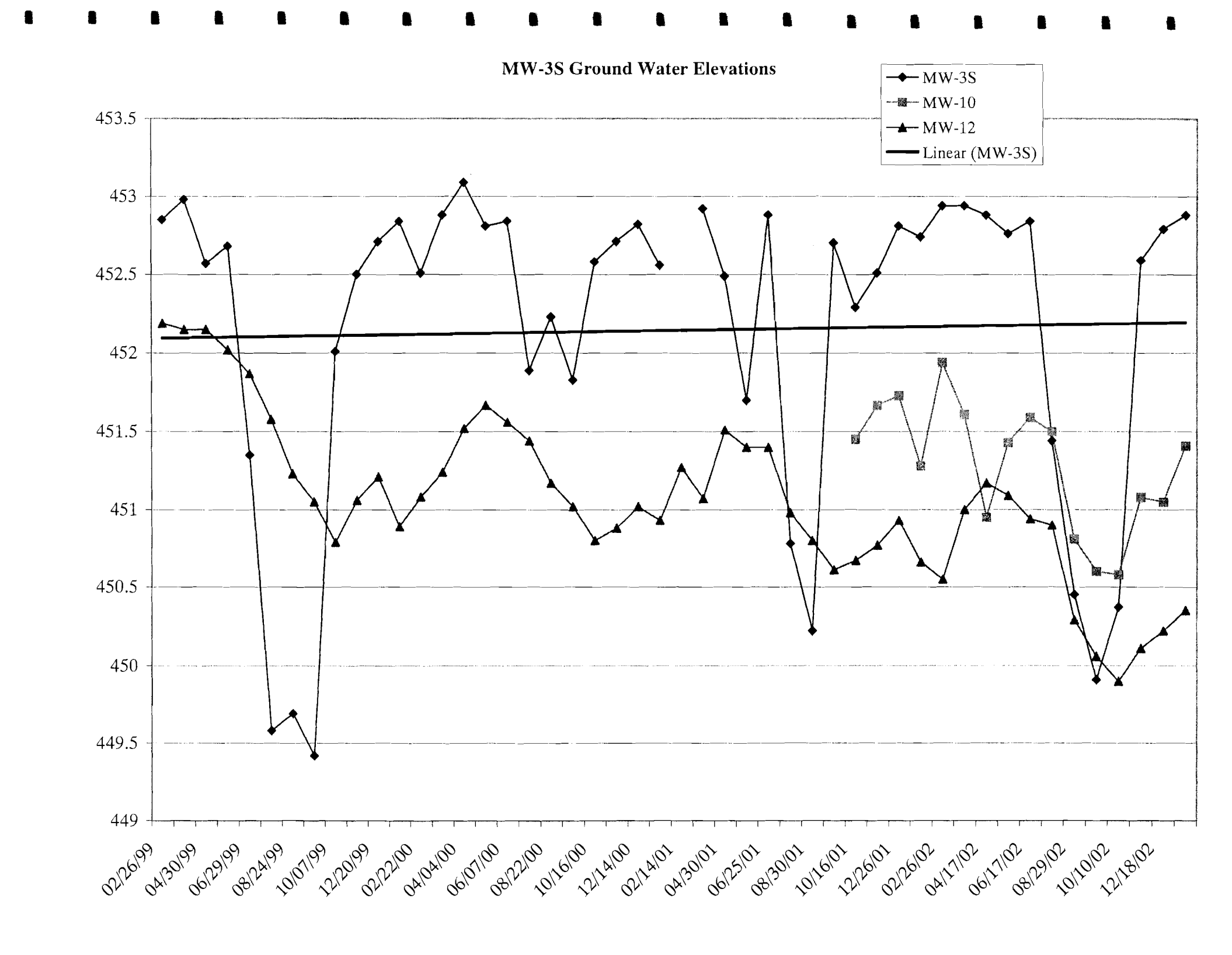
06/17/02
08/29/02
10/10/02
12/18/02


MW-3S Ground Water Elevations
MW-3S
MW-10
MW-12
Linear (MW-3S)
453.5
453
452.5
452
451.5
451
450.5
450
449.5
449
02/26/99
04/30/99
06/29/99
08/24/99
10/07/99
12/20/99
02/22/00
04/04/00
06/07/00
08/22/00
10/16/00
12/14/00
02/14/01
04/30/01
06/25/01
08/30/01
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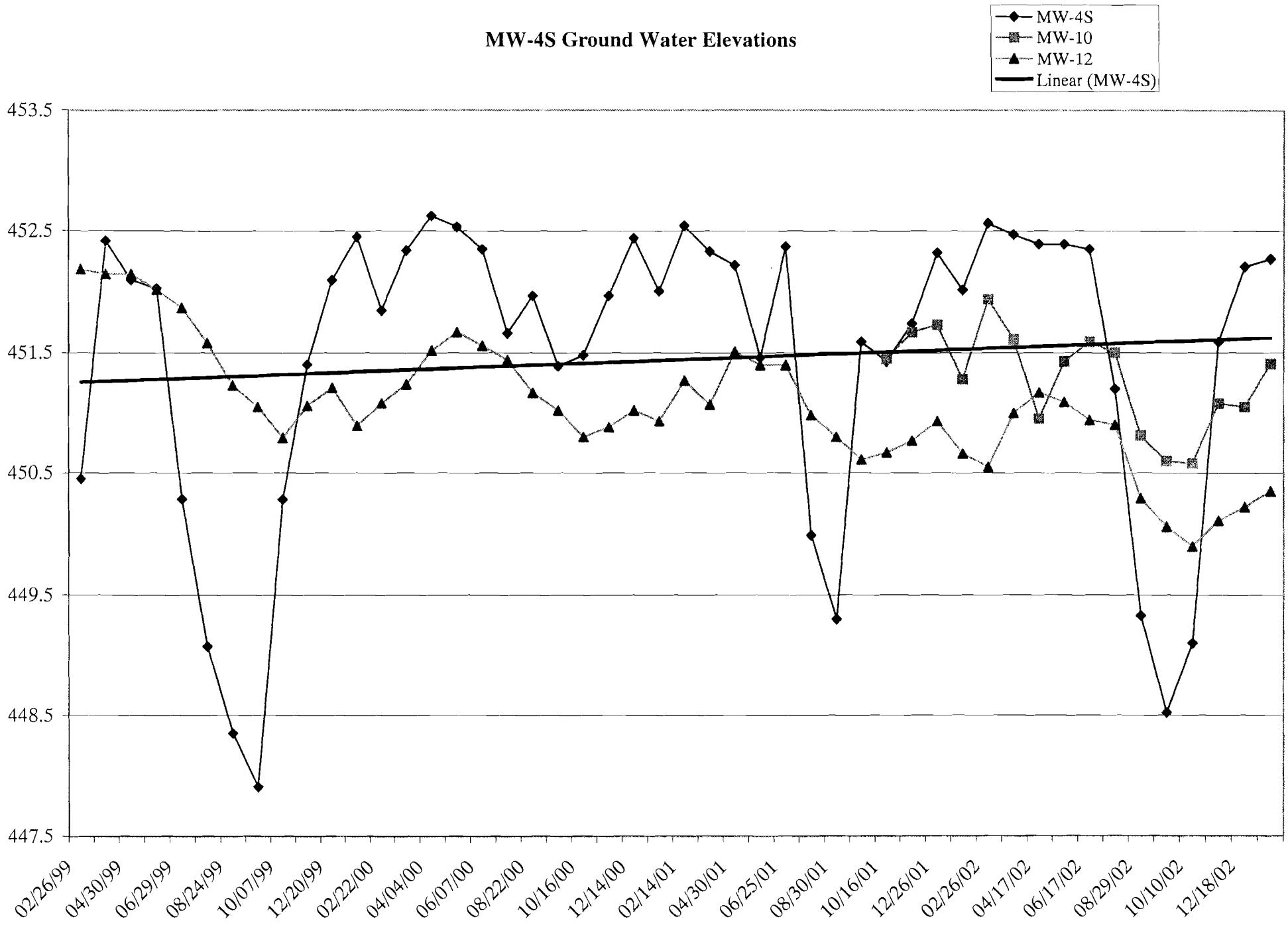
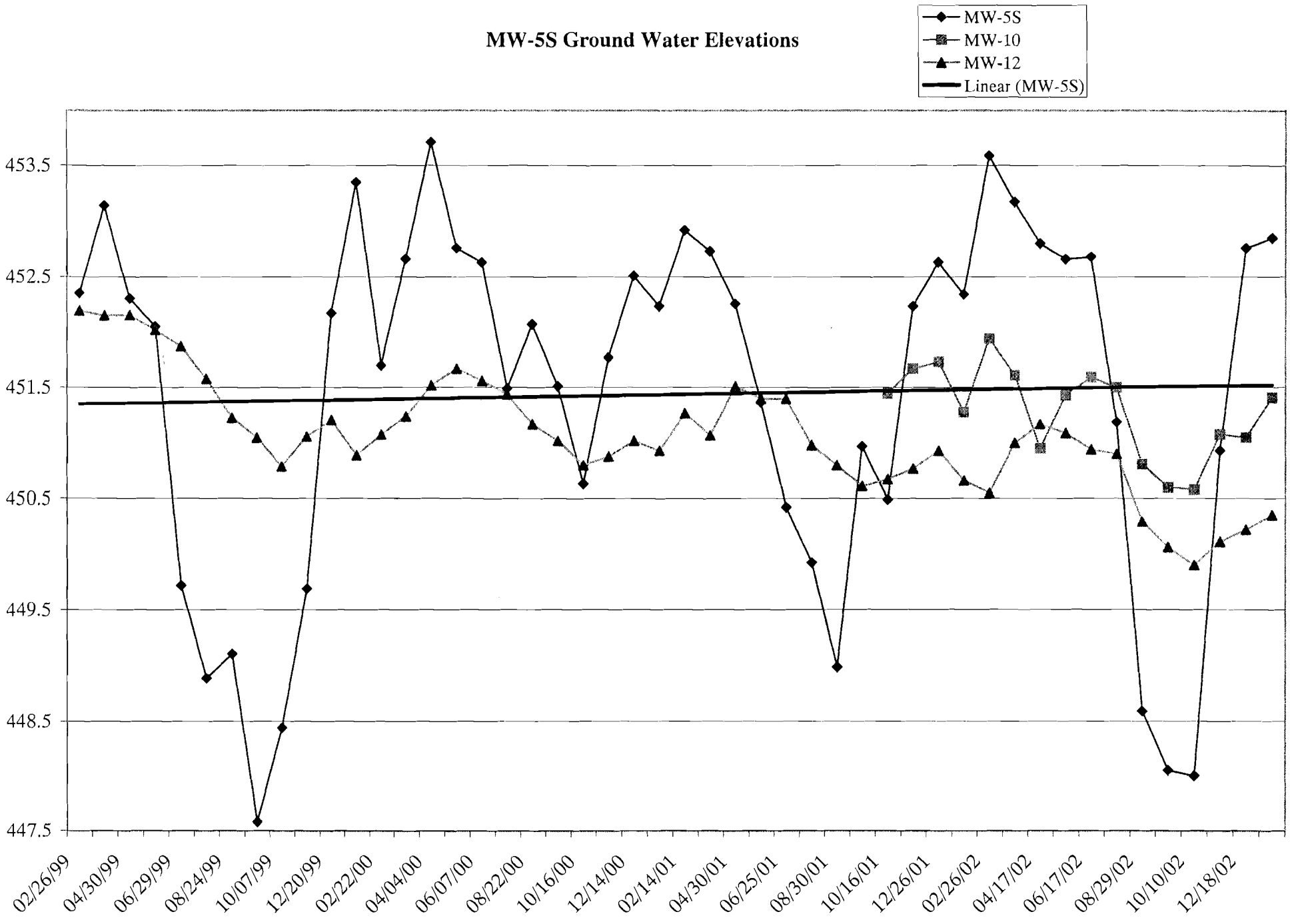
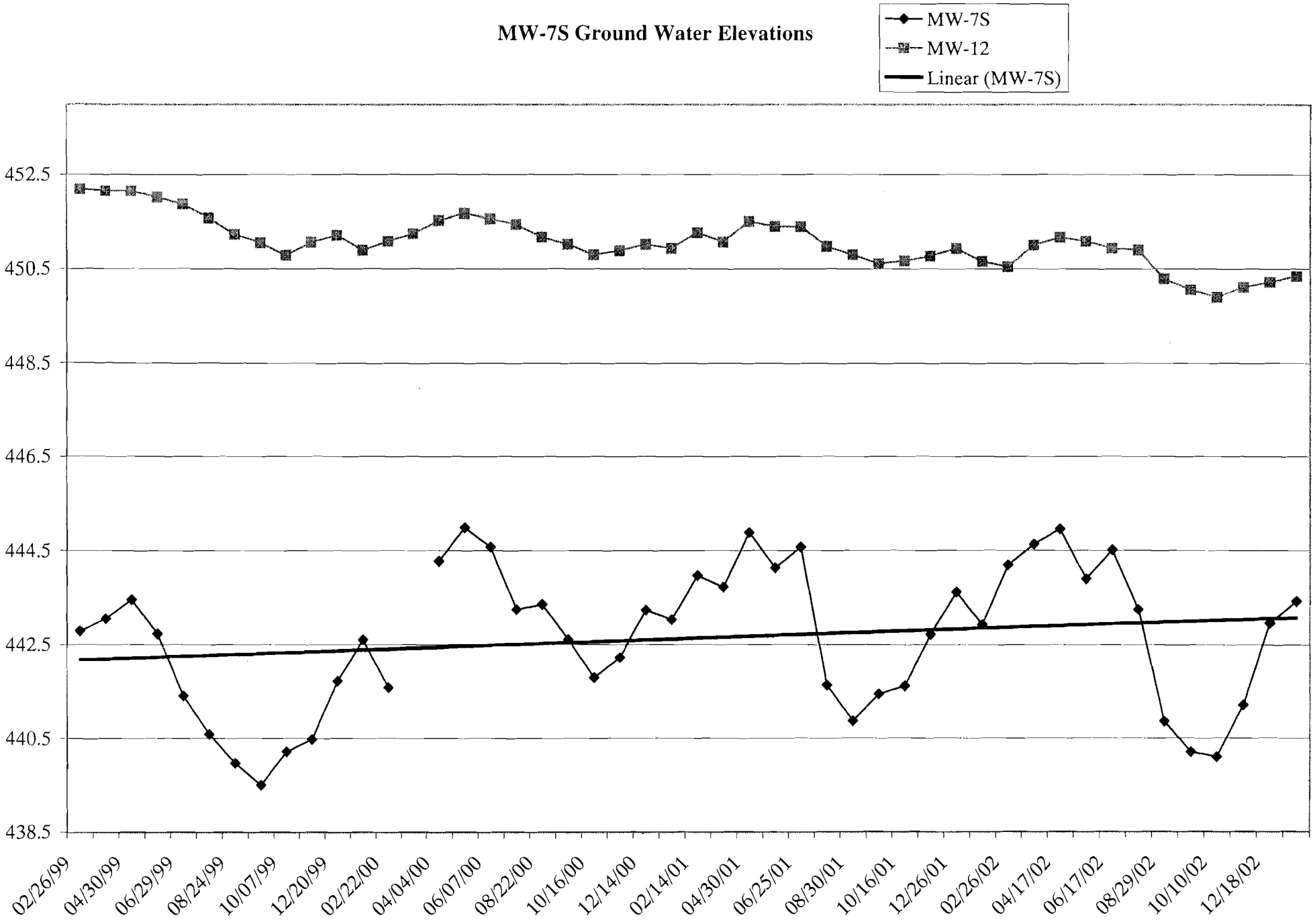
06/17/02
08/29/02
10/10/02
12/18/02


MW-4S Ground Water Elevations
MW-4S
MW-10
MW-12
Linear (MW-4S)
453.5
452.5
451.5
450.5
449.5
448.5
447.5
02/26/99
04/30/99
06/29/99
08/24/99
10/07/99
12/20/99
02/22/00
04/04/00
06/07/00
08/22/00
10/16/00
12/14/00
02/14/01
04/30/01
06/25/01
08/30/01
10/16/01
12/26/01
02/26/02
04/17/02
06/17/02
08/29/02
10/10/02
12/18/02


MW-5S Ground Water Elevations
MW-5S
MW-10
MW-12
Linear (MW-5S)
453.5
452.5
451.5
450.5
449.5
448.5
447.5
02/26/99
04/30/99
06/29/99
08/24/99
10/07/99
12/20/99
02/22/00
04/04/00
06/07/00
08/22/00
10/16/00
12/14/00
02/14/01
04/30/01
06/25/01
08/30/01
10/16/01
12/26/01
02/26/02
04/17/02
06/17/02
08/29/02
10/10/02
12/18/02


MW-7S Ground Water Elevations
MW-7S
MW-12
Linear (MW-7S)
452.5
450.5
448.5
446.5
444.5
442.5
440.5
438.5
02/26/99
04/30/99
06/29/99
08/24/99
10/07/99
12/20/99
02/22/00
04/04/00
06/07/00
08/22/00
10/16/00
12/14/00
02/14/01
04/30/01
06/25/01
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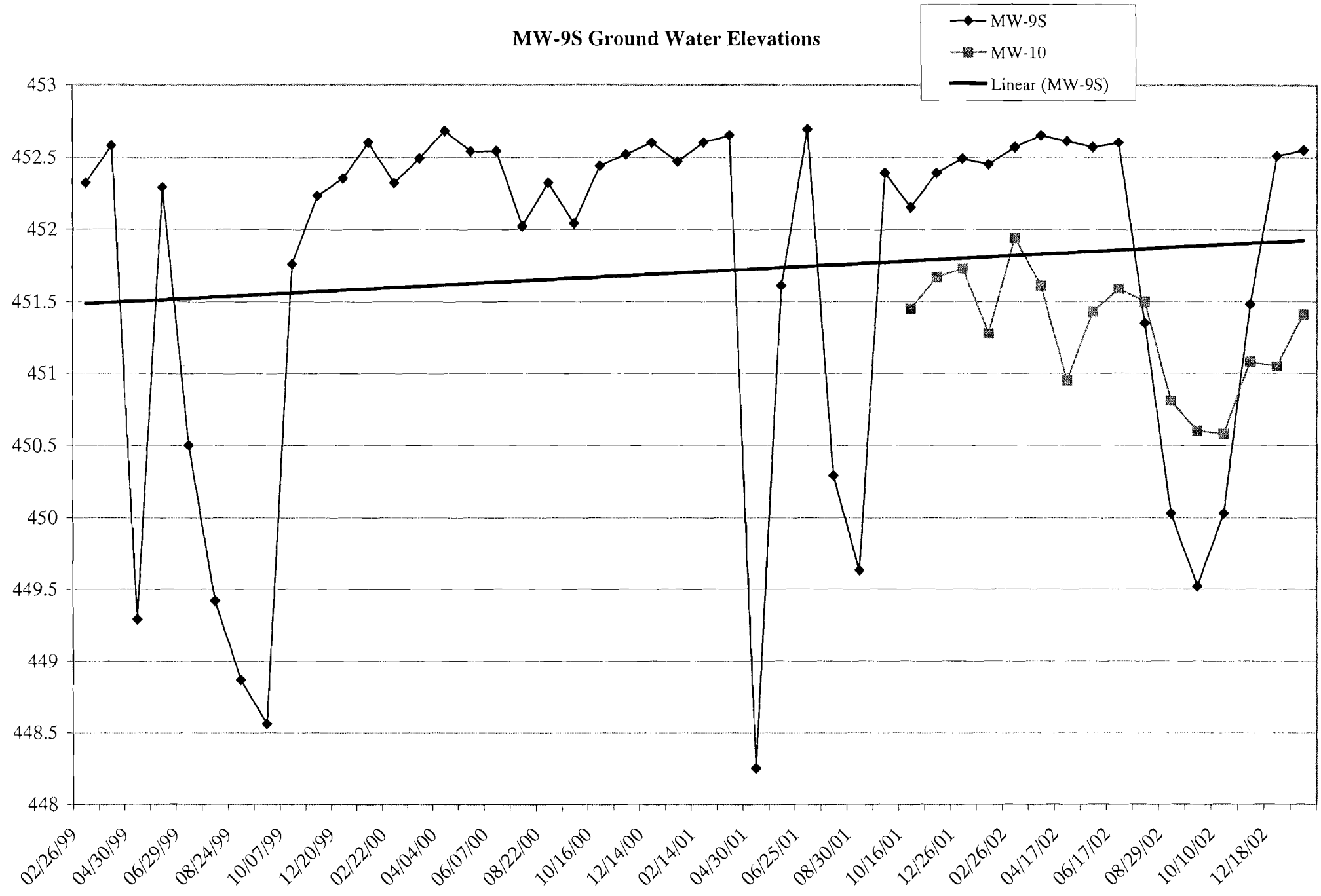
06/17/02
08/29/02
10/10/02
12/18/02


MW-9S Ground Water Elevations
MW-9S
MW-10
Linear (MW-9S)
453
452.5
452
451.5
451
450.5
450
449.5
449
448.5
448
02/26/99
04/30/99
06/29/99
08/24/99
10/07/99
12/20/99
02/22/00
04/04/00
06/07/00
08/22/00
10/16/00
12/14/00
02/14/01
04/30/01
06/25/01
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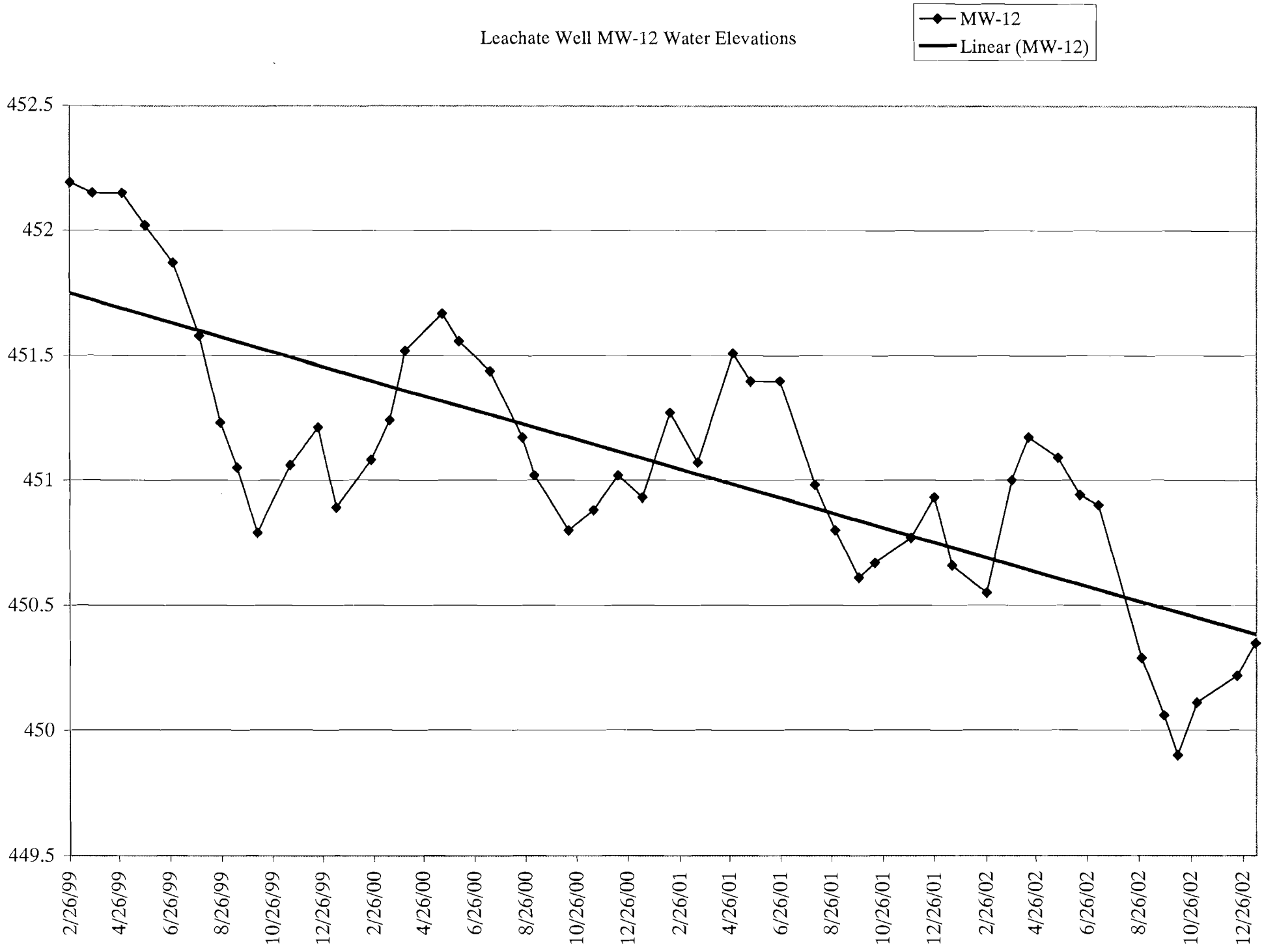
06/17/02
08/29/02
10/10/02
12/18/02


Leachate Well MW-12 Water Elevations
MW-12
Linear (MW-12)
452.5
452
451.5
451
450.5
450
449.5
2/26/99
4/26/99
6/26/99
8/26/99
10/26/99
12/26/99
2/26/00
4/26/00
6/26/00
8/26/00
10/26/00
12/26/00
2/26/01
4/26/01
6/26/01
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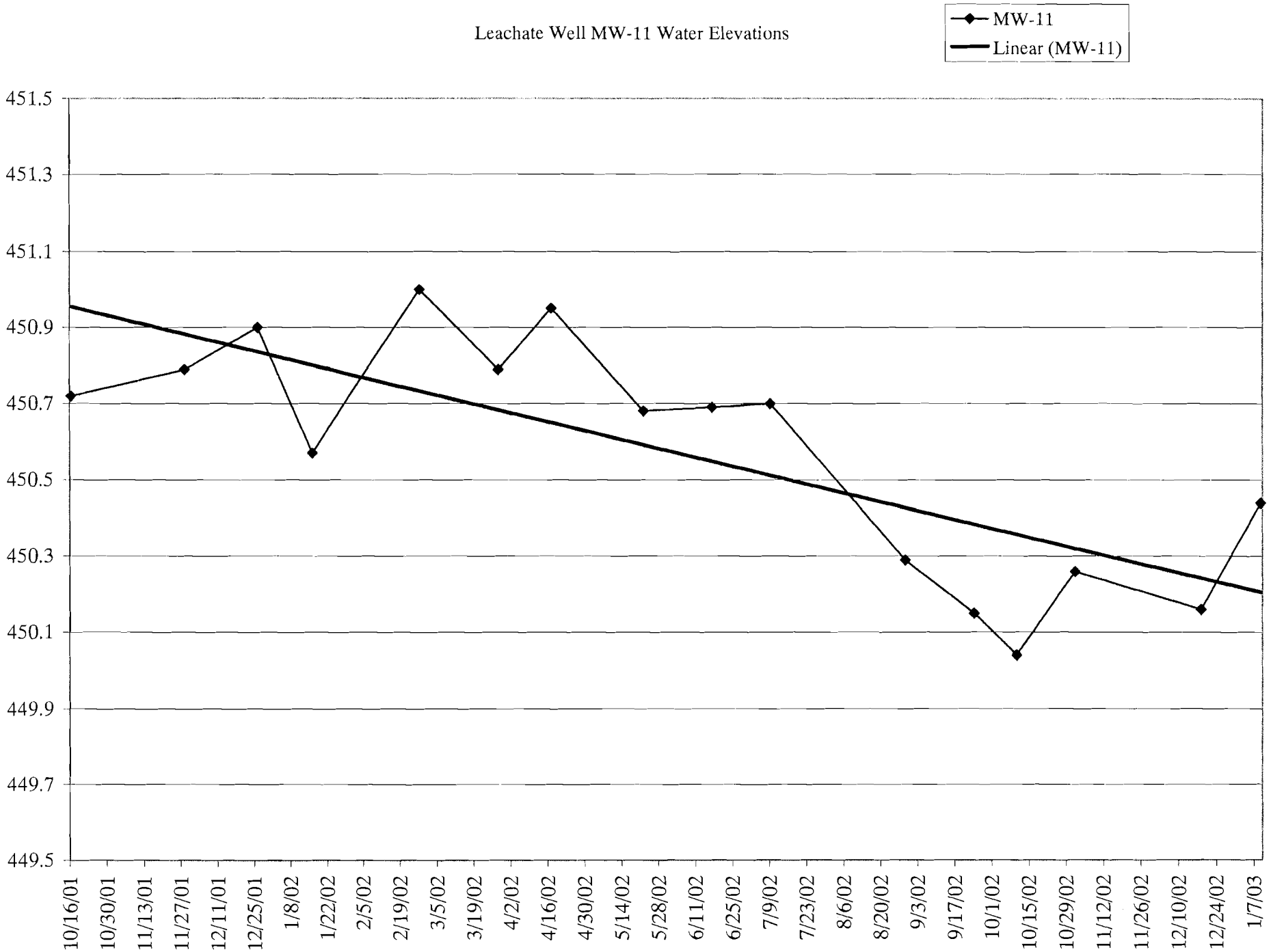
6/26/02
8/26/02
10/26/02
12/26/02


Leachate Well MW-11 Water Elevations
MW-11
Linear (MW-11)
451.5
451.3
451.1
450.9
450.7
450.5
450.3
450.1
449.9
449.7
449.5
10/16/01
10/30/01
11/13/01
11/27/01
12/11/01
12/25/01
1/8/02
1/22/02
2/5/02
2/19/02
3/5/02
3/19/02
4/2/02
4/16/02
4/30/02
5/14/02
5/28/02
6/11/02
6/25/02
7/9/02
7/23/02
8/6/02
8/20/02
9/3/02
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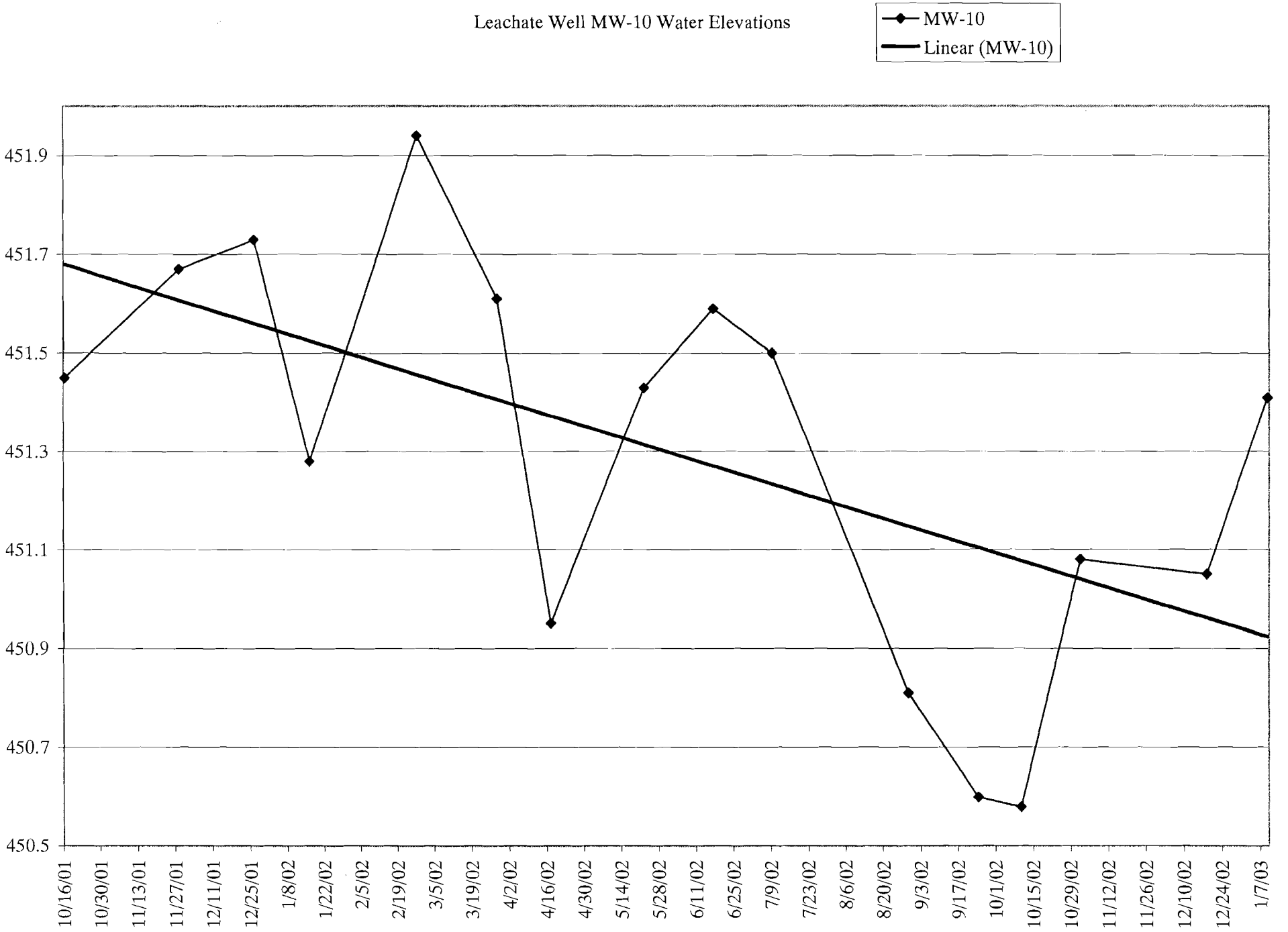
11/26/02
12/10/02
12/24/02
1/7/03


Leachate Well MW-10 Water Elevations
MW-10
Linear (MW-10)
451.9
451.7
451.5
451.3
451.1
450.9
450.7
450.5
10/16/01
10/30/01
11/13/01
11/27/01
12/11/01
12/25/01
1/8/02
1/22/02
2/5/02
2/19/02
3/5/02
3/19/02
4/2/02
4/16/02
4/30/02
5/14/02
5/28/02
6/11/02
6/25/02
7/9/02
7/23/02
8/6/02
8/20/02
9/3/02
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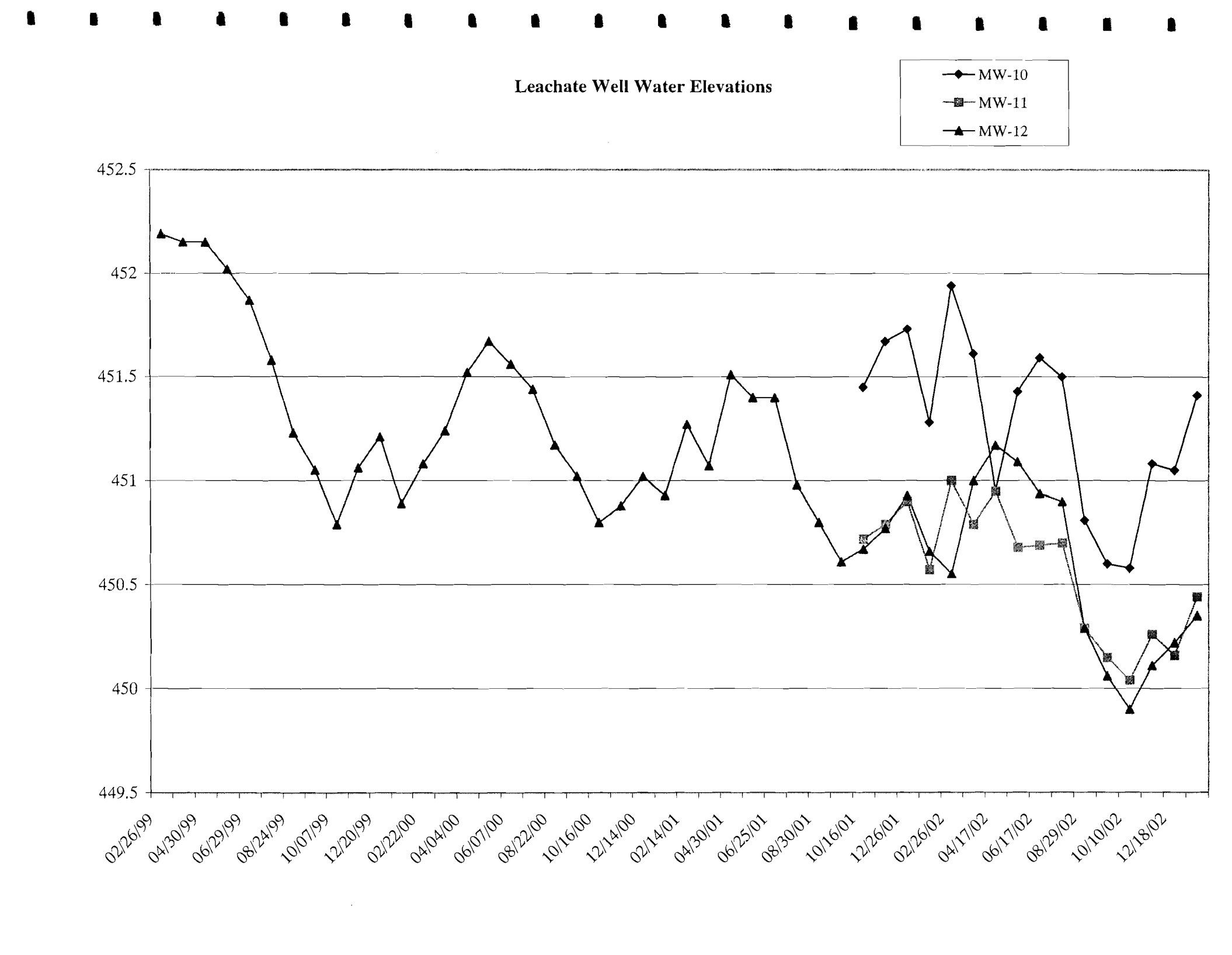
11/26/02
12/10/02
12/24/02
1/7/03


Leachate Well Water Elevations
MW-10
MW-11
MW-12
452.5
452
451.5
451
450.5
450
449.5
02/26/99
04/30/99
06/29/99
08/24/99
10/07/99
12/20/99
02/22/00
04/04/00
06/07/00
08/22/00
10/16/00
12/14/00
02/14/01
04/30/01
06/25/01
08/30/01
10/16/01
12/26/01
02/26/02
04/17/02
06/17/02
08/29/02
10/10/02
12/18/02

APPENDIX E

MONTHLY INSPECTION FORMS

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 11/9/03 9:30 Inspector: Brent Zimmer
Weather: 30° Windy, overcast

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	Snow
Overall appearance (trash/litter)	OK	
Pump Station at Tannery Road:	Condition: OK	
Pump #1 Hours: 32549	Pump #2 Hours: 28165	
Leachate Collection System:		
Panel - note conditions and any alarms:	OK RW-4 call	
Autodialer - test	OK Not performed	

Totallizers (on Panel display at Tannery Rd)

RW-1 343603 RW-3 351417
RW-2 5181660 RW-4 442660

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 36523 RW-3 16199
RW-2 62944 RW-4 7692

Hour Meters

RW-1 100780 RW-3 215128
RW-2 106368 RW-4 53572

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	check pilot
Perimeter fence	OK	
Erosion/animal burrows	NO	If YES, describe:

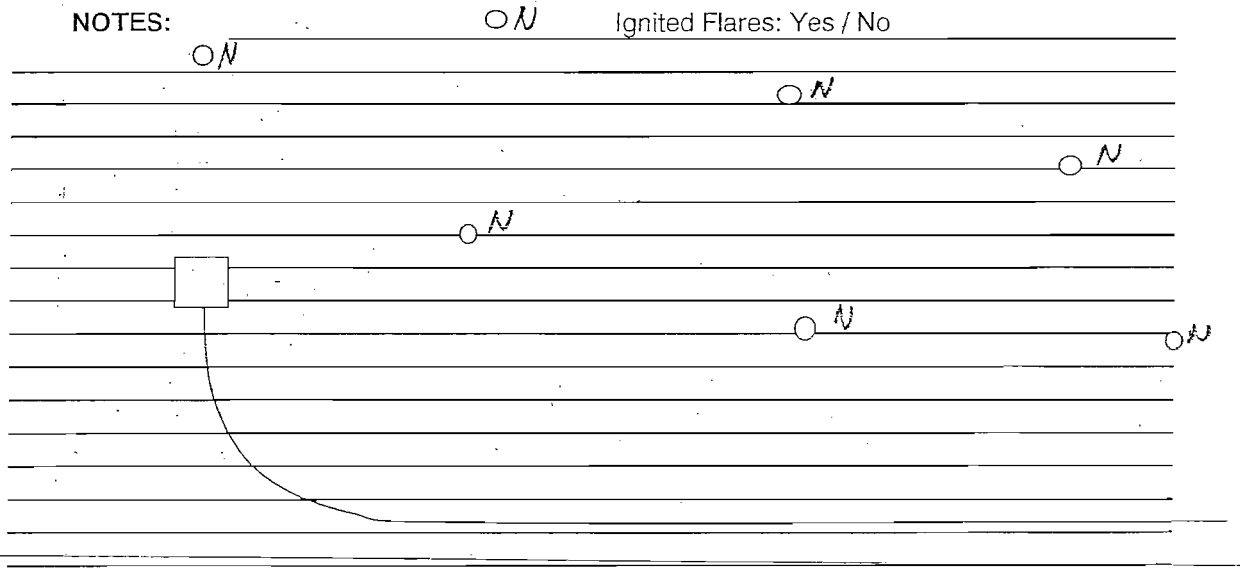
TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 1/9/03 9:30 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	4.64	444.95	Good
MW - 2S	459.44	6.83	452.61	Good
MW - 3S	456.4	3.52	452.88	Good
MW - 4S	456.19	3.92	452.27	Good
MW - 5S	457.15	4.30	452.85	Good
MW - 7S	452.25	8.82	443.43	Good
MW - 9S	456.38	3.83	452.55	Good
MW - 10	486.3	34.89	451.41	Good
MW - 11	502.4	51.96	450.44	Good
MW - 12	483.11	32.76	450.35	Good
PZ - 1*	454.37	5.78	448.59	Good

NOTES: Ignited Flares: Yes / No



TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 2/28/03 9:10 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	
Overall appearance (trash/litter)	OK	
Pump Station at Tannery Road:	Condition: OK	
Pump #1 Hours: 33629	Pump #2 Hours: 29061	
Leachate Collection System:		
Panel - note conditions and any alarms:	OK None	
Autodialer - test	OK Not Performed	
Totallizers (on Panel display at Tannery Rd)		
RW-1 3499632	RW-3 3614726	
RW-2 5318933	RW-4 442660	
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	Some Water
Panel note conditions and any alarms:	OK None	
Totallizers (in meter pit)		
RW-1 37182	RW-3 17202	
RW-2 64317	RW-4 9531	
Hour Meters		
RW-1 102467	RW-3 227092	
RW-2 108370	RW-4 63576	
Landfill Cover Inspection		
Leachate seeps Any new seeps NO	If YES, describe:	
Western seep condition:	Snow Covered	
North seep condition:	" " "	
Gas vents - general condition	OK	
- Unusual odors, list vents/describe.	None	
Flares ignited	OK	One
Perimeter fence	OK	
Erosion/animal burrows NO	If YES, describe:	

1.55

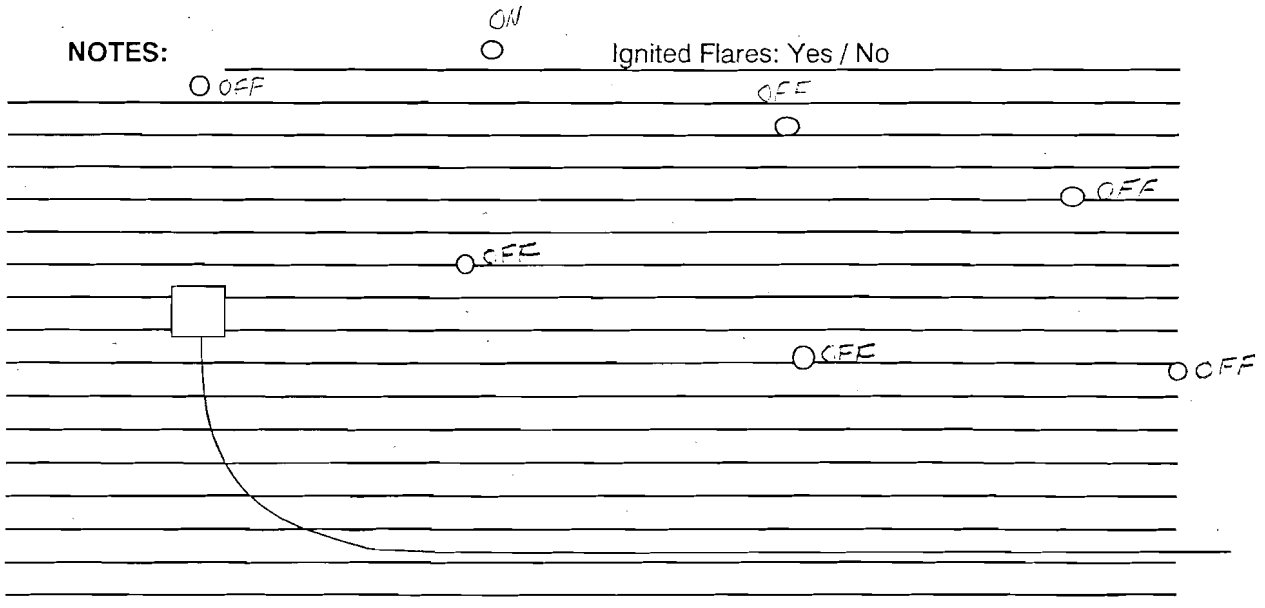
TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 2/22/03 9:10 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	5.01	444.58	Good
MW - 2S	459.44	6.84	452.6	Good
MW - 3S	456.4	—	—	Frozen
MW - 4S	456.19	3.85	452.34	Good
MW - 5S	457.15	4.39	452.76	Good
MW - 7S	452.25	8.46	443.79	Good
MW - 9S	456.38	3.87	452.51	Good
MW - 10	486.3	35.12	451.18	Good
MW - 11	502.4	52.18	450.22	Good
MW - 12	483.11	32.77	450.34	Good
PZ - 1*	454.37	6.18	448.19	Good

NOTES: Ignited Flares: Yes / No



TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 3/28/2002 8:22 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: 27722	Pump #2 Hours: 2416.9	
Leachate Collection System:		
Panel - note conditions and any alarms:	OK	
Autodialer - test	OK	Not Performed

Totallizers (on Panel display at Tannery Rd)

RW-1 3210540 RW-3 3173127
RW-2 4371815 RW-4 442660

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 3243500 RW-3 1284600
RW-2 5484700 RW-4 479600

Hour Meters

RW-1 90283 RW-3 188874
RW-2 94733 RW-4 39718

Landfill Cover Inspection

Leachate seeps Any new seeps	NO	If YES, describe:
Western seep condition:	Good	
North seep condition:	Good	
Gas vents - general condition	OK	
- Unusual odors, list vents/describe.	None	
Flares ignited	OK	Page 2
Perimeter fence	OK	
Erosion/animal burrows	NO	If YES, describe:

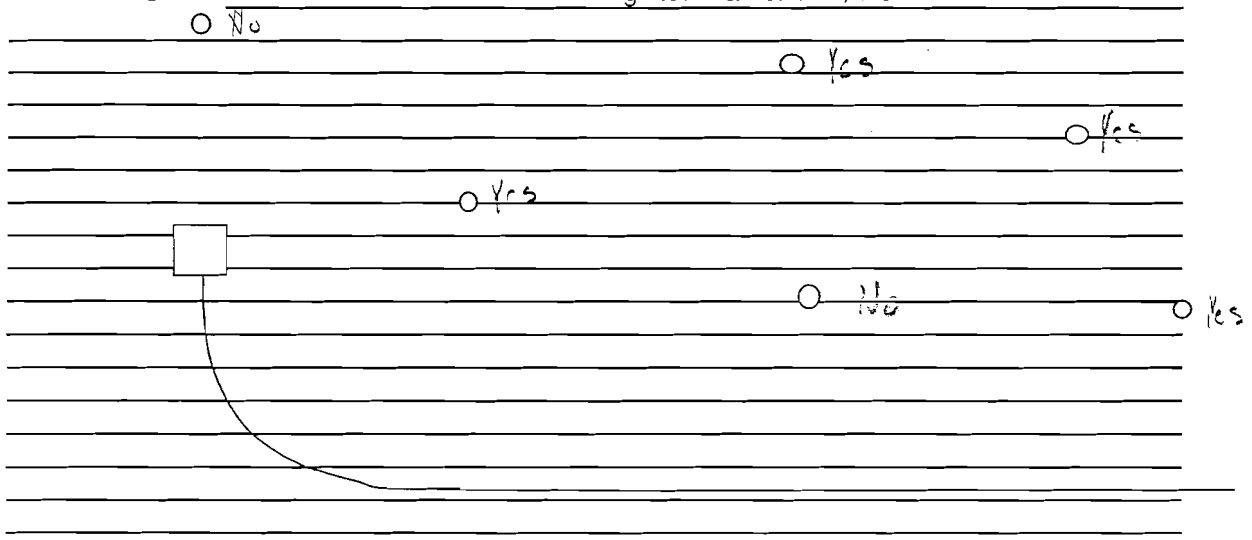
TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 3/28/2002 8:22 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	4.07	445.52	Good
MW - 2S	459.44	6.11	453.33	Good
MW - 3S	456.4	3.46	452.94	Good
MW - 4S	456.19	3.72	452.47	Good
MW - 5S	457.15	3.98	453.17	Good
MW - 7S	452.25	7.62	444.63	Good
MW - 9S	456.38	3.73	452.65	Good
MW - 10	486.3	34.69	451.61	Good
MW - 11	502.4	51.61	450.79	Good
MW - 12	483.11	32.11	451	Good
PZ - 1*	454.37	4.79	449.58	Good

NOTES: O Yes Ignited Flares: Yes / No
O No



TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 4/17/02 0825 Inspector: EGF

Weather: Sunny 65°

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: 028053 Pump #2 Hours:		024492
Leachate Collection System:		
Panel - note conditions and any alarms:	OK	no Alarms
Autodialer - test	OK	

Totallizers (on Panel display at Tannery Rd)

RW-1 3210540 RW-3 3173139

RW-2 4432532 RW-4 442660

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 3274000 RW-3 1284900

RW-2 5545400 RW-4 0479600

Hour Meters

RW-1 091074 RW-3 188875

RW-2 09563 RW-4 039719

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	OK	Yes
Perimeter fence	OK	OK
Erosion/animal burrows	NO	If YES, describe: NO

Leachate seep / Groundwater discharge - outside landfill perimeter North east corner.

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 4/17/02 Inspector: GGF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	4.5		
MW - 2S	459.44	5.90		
MW - 3S	456.4	3.52		
MW - 4S	456.19	~~6.55~~ 3.86		
MW - 5S	457.15	4.35		
MW - 7S	452.25	7.3		OK
MW - 9S	456.38	3.77		
MW - 10	488.29	35.35		
MW - 11	503.95	51.45		
MW - 12	483.11	31.94		
PZ - 1*	*452*	5.45		OK

* PZ-1 elevation needs to be surveyed, elevation is estimated.

NOTES:

All Flares were operational

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 5/22/01 Inspector: EGF

Weather: Sunny 50°F

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	✓
Access Road - surface/paving/snow	OK	✓
Overall appearance (trash/litter)	OK	✓
Pump Station at Tannery Road:	Condition: OK	✓
Pump #1 Hours: 028784	Pump #2 Hours: 025043	
Leachate Collection System:		
Panel - note conditions and any alarms:	OK	
Autodialer - test	OK	
Totallizers (on Panel display at Tannery Rd)		
RW-1	RW-3	
RW-2	RW-4	
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 3327700	RW-3 1329700	
RW-2 5652100	RW-4 0519900	
Hour Meters		
RW-1 092461	RW-3 189909	
RW-2 097131	RW-4 41152	
Landfill Cover Inspection		
Leachate seeps Any new seeps (NO)	If YES, describe:	
Western seep condition:	Slight surface ~~staining~~ staining limited area	
North seep condition:	OK -note seep ads. de Fence	
Gas vents - general condition	OK	OK North east corner
- Unusual odors, list vents/describe.	None	same as 4/17/02
Flares ignited NO	OK	
Perimeter fence OK	OK	
Erosion/animal burrows (NO)	If YES, describe:	

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 5/22/02 Inspector: GGF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	4.70	444.89	OK
MW - 2S	459.44	6.56	452.88	OK
MW - 3S	456.4	3.64	452.76	OK
MW - 4S	456.19	3.80	452.39	OK
MW - 5S	457.15	4.49	452.66	OK
MW - 7S	452.25	8.35	443.9	OK
MW - 9S	456.38	3.81	452.57	OK
MW - 10 (new elev → 486.30)	488.29	34.87	451.43	OK ↗ also
MW - 11 (new elev → 502.4)	503.95	51.72	450.68	But need to fill in hole around well
MW - 12	483.11	32.02	451.09	OK
PZ - 1*	452	5.87	446.13	OK

* PZ-1 elevation needs to be surveyed, elevation is estimated.

NOTES:

off off off off MW-1L

off

off off

Pumpway off

off

All flares off

but were operational

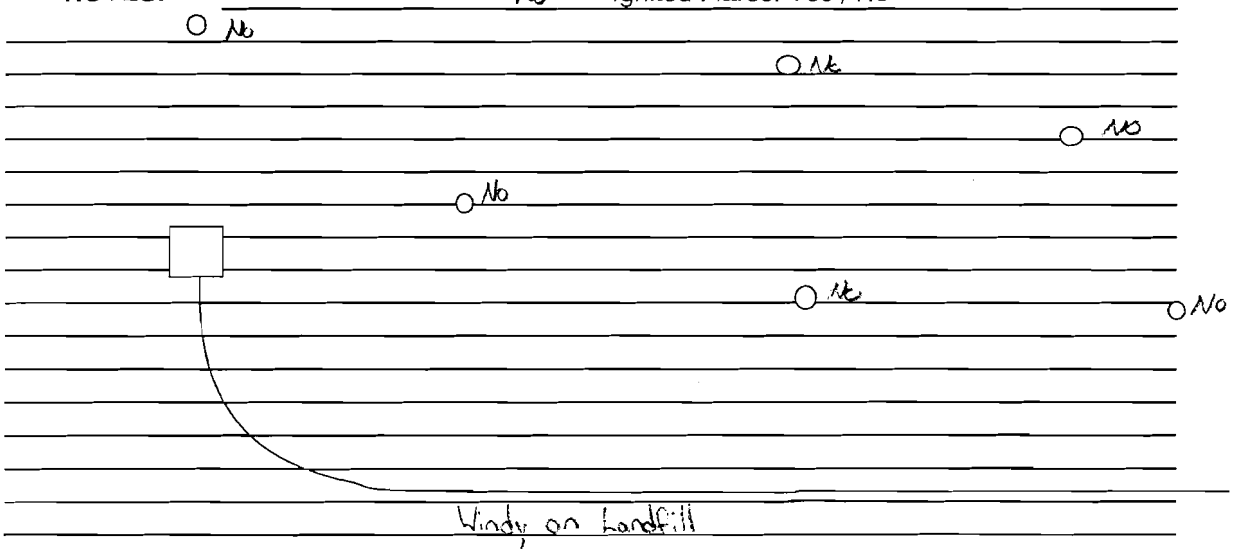
TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 6/17/2002 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	4.84	444.75	Good
MW - 2S	459.44	7.26	452.18	Good
MW - 3S	456.4	3.56	452.84	Good
MW - 4S	456.19	3.84	452.35	Good
MW - 5S	457.15	4.47	452.68	Good
MW - 7S	452.25	7.74	444.51	Good
MW - 9S	456.38	3.78	452.60	Good
MW - 10	486.3	34.71	451.59	Needs to be Backfilled
MW - 11	502.4	51.71	450.69	Needs to be Backfilled
MW - 12	483.11	32.17	450.94	Good
PZ - 1*	454.37	6.17	448.20	Good

NOTES: Ignited Flares: Yes / No



TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 6/17/2008 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: 29510	Pump #2 Hours: 25639	
Leachate Collection System:		
Panel - note conditions and any alarms:	OK RW-4 Call	
Autodialer - test	OK Not Performed	

Totallizers (on Panel display at Tannery Rd)

RW-1 3210540 RW-3 3253376
RW-2 4617883 RW-4 442660

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 33667 RW-3 13589
RW-2 57307 RW-4 5763

Hour Meters

RW-1 93488 RW-3 190310
RW-2 98279 RW-4 46416

Landfill Cover Inspection

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

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 7/9/02 Inspector: EGF

Weather: Cloudy - showers

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	X ok
Access Road - surface/paving/snow	OK	ok
Overall appearance (trash/litter)	OK	ok
Pump Station at Tannery Road:	Condition: OK	
Pump #1 Hours: 029819	Pump #2 Hours:	025897
Leachate Collection System:		
Panel - note conditions and any alarms:	OK	NA
Autodialer - test	OK	NA

Totallizers (on Panel display at Tannery Rd)

RW-1 NA RW-3 NA

RW-2 NA RW-4 NA

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	OK

Totallizers (in meter pit)

RW-1 3397000 RW-3 1383000

RW-2 5795500 RW-4 0576300

Hour Meters

RW-1 094316 RW-3 190638

RW-2 094199 RW-4 046420

Landfill Cover Inspection

Leachate seeps Any new seeps NO If YES, describe:

Western seep condition: slight discoloration

North seep condition: Northeast off-site sw discharge

Gas vents - general condition OK X

- Unusual odors, list vents/describe. Slight H_2S ~~N~~ landfill gas on cap

Flares ignited OK not all - all but one

Perimeter fence OK OK except man gates

Erosion/animal burrows NO If YES, describe:

None observed

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 7/9/02 Inspector: _____

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	6.75		OK
MW - 2S	459.44	9.01		OK
MW - 3S	456.4	4.96		OK no lock
MW - 4S	456.19	4.99		OK
MW - 5S	457.15	5.96		OK
MW - 7S	452.25	9.0		OK
MW - 9S	456.38	5.03		OK
MW - 10	~~490.29~~ 486.30	34.80		Needs to be backfilled
MW - 11	~~500.95~~ 502.4	51.70		Needs to be backfilled
MW - 12	483.11	32.21		OK
PZ - 1*	452	8.32		OK

* PZ-1 elevation needs to be surveyed, elevation is estimated.

NOTES:

@ OK

@ OK @ OK

@ OK

@ OK @ OK

@ OK

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 8/29/02 Inspector: Ed Fahrenkopf

Weather: Light Rain 62°F

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	✓
Access Road - surface/paving/snow	OK	✓
Overall appearance (trash/litter)	OK	✓
Pump Station at Tannery Road: Condition:	OK	✓
Pump #1 Hours: 030411 Pump #2 Hours:		026394
Leachate Collection System:		
Panel - note conditions and any alarms:	OK	RW-4 ON
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	—

Totallizers (in meter pit)

RW-1	3770300	RW-3	1739800
RW-2	5936600	RW-4	576300

Hour Meters

RW-1	096151	RW-3	192650
RW-2	101221	RW-4	46920

Landfill Cover Inspection

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

Western seep condition:

North seep condition:

Gas vents - general condition OK ✓

- Unusual odors, list vents/describe. NONE

Flares ignited OK

Perimeter fence (OK) except gates (man)

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

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 8/29/02 Inspector: EwF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	8.22	441.37	OK
MW - 2S	459.44	10.06	449.38	OK
MW - 3S	456.4	5.95	450.54	OK
MW - 4S	456.19	6.86	449.33	OK
MW - 5S	457.15	8.56	448.59	OK
MW - 7S	452.25	11.39	440.26	OK
MW - 9S	456.38	6.35	450.03	OK
MW - 10	486.3	35.49	450.81	OK - needs Fill Around casing
MW - 11	502.4	52.11	450.29	OK needs fill around casing
MW - 12	483.11	32.82	450.29	OK
PZ - 1*	452	10.11	441.26	OK

* PZ-1 elevation needs to be surveyed, elevation is estimated.

NOTES:

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date: 8/29/02 Inspector: EGF
Weather: light Rain

ANNUAL GAS VENT INSPECTION (To be completed each Fall)

Gas Vent Number	H_2S (ppm)	Detectable Odors Yes	Detectable Odors No	General Vent Condition Notes/Comments
1	0		X	5% LEL
2	0		X	10% LEL
3	2	X		LEL OVER
4	0	X		LEL OVER
5	1	X		LEL OVER
6	0	X		LEL OVER
7	Flare			life
8	Flare			life
9	0		X	60% LEL
10	Flare			life
11	Flare			life
12	Flare			life
13	Flare			life
14	0	X		LEL 45%
15	Flare			life
16	0	X		LEL 20%
17	0	X		slight odor LEL 10%
18	0		X	LEL 46%
19	1		X	LEL OVER
20	2	X		LEL OVER
21	0	X		slight LEL 50%
22	0	X		Slight LEL OVER
23	0		X	LEL over
24	0		X	LEL 90%
25	0		X	10% LEL

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date: 8/29/02 Inspector: EGF
Weather: Light Rain

ANNUAL GAS VENT INSPECTION (To be completed each Fall)

Gas Vent Number	H_2S (ppm)	Detectable Odors Yes	Detectable Odors No	General Vent Condition Notes/Comments
26	0	X		LEL OVER
27	0	X		LEL 25%
28	0	X		LEL OVER
29	0	X		LEL OVER
30	0	X		LEL OVER
31	0	X		LEL OVER
32	0	X		LEL OVER
33	0	X		LEL 35%
34	0	X		LEL 55%
35	0	X		LEL 60%
36	0	X		LEL 47%
37	0	X		LEL 60%
38	0	X		LEL OVER
39	0	X		LEL OVER
40	0	X		LEL 60%
41	9	X		LEL OVER
42	1	X		LEL OVER
43	1	X		LEL OVER
44	0	X		LEL OVER
45	0	X		LEL OVER
46	0	X		LEL 35%

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 9/24/02 Inspector: EGF

Weather: Sunny 55°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: 030677	Pump #2 Hours:	026617
Leachate Collection System:		
Panel - note conditions and any alarms:	OK	None
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	3506200	RW-3	1465100
RW-2	6005600	RW-4	0576300

Hour Meters

RW-1	097062	RW-3	192994
RW-2	102207	RW-4	046420

Landfill Cover Inspection

Leachate seeps Any new seeps	NO	If YES, describe:	NO
Western seep condition:			
North seep condition:			
Gas vents - general condition		OK	ok
- Unusual odors, list vents/describe.			slight odor around vents
Flares ignited yes		OK	yes
Perimeter fence		OK	man gate southside off Hinges
Erosion/animal burrows	NO	If YES, describe:	

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 9/24/02 Inspector: ECF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	8.76	440.83	ok
MW - 2S	459.44	10.49	448.95	OK
MW - 3S	456.4	6.49	449.91	OK
MW - 4S	456.19	7.67	448.52	OK
MW - 5S	457.15	9.10	448.05	OK
MW - 7S	452.25	12.04	440.21	OK
MW - 9S	456.38	6.86	449.52	OK
MW - 10	486.3	35.70	450.6	OK - needs fill around casing
MW - 11	502.4	52.25	450.15	OK needs fill around casing
MW - 12	483.11	33.05	450.06	OK
PZ - 1*	452	10.65	443.72	OK

* PZ-1 elevation needs to be surveyed, elevation is estimated.

NOTES:

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

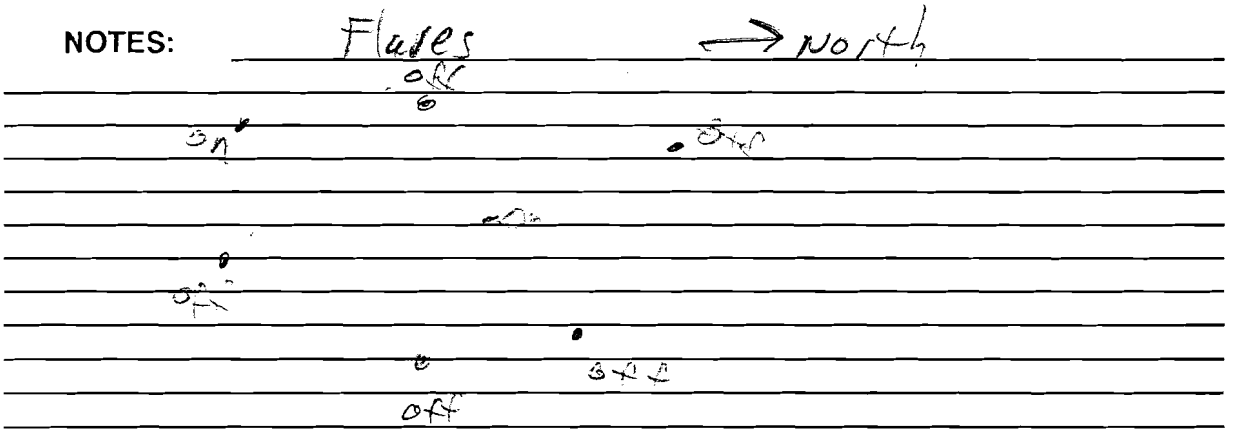
Date & Time: 10/10/02 Inspector: EaF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	441.29	8.30	OK
MW - 2S	459.44	449.34	10.1	OK
MW - 3S	456.4	450.37	6.03	OK - no lock
MW - 4S	456.19	449.1	7.09	OK
MW - 5S	457.15	448	9.15	OK
MW - 7S	452.25	440.1	12.15	OK
MW - 9S	456.38	450.03	6.35	OK no internal cap
MW - 10	486.3	450.58	35.72	OK needs fill around casing
MW - 11	502.4	450.04	52.36	OK needs fill around casing
MW - 12	483.11	449.9	33.21	OK
PZ - 1*	452	441.41	10.59	OK

* PZ-1 elevation needs to be surveyed, elevation is estimated.

NOTES: Flares → North



TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 10/10/02 Inspector: EGF

Weather: Partly Cloudy 50°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: 030251	Pump #2 Hours:	026762
Leachate Collection System:		
Panel - note conditions and any alarms:	OK	NONE
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	3529900	RW-3	1485100
RW-2	6047200	RW-4	0596300

Hour Meters

RW-1	097608	RW-3	194994
RW-2	102801	RW-4	046420

Landfill Cover Inspection

Leachate seeps	Any new seeps NO	If YES, describe:	NO
	Western seep condition:		NO obvious seep
	North seep condition:		NO obvious seep
Gas vents - general condition		OK	OK
- Unusual odors, list vents/describe.			NONE
Flares ignited ONE		OK	ONE
Perimeter fence		OK	OK except mow grass
Erosion/animal burrows	NO	If YES, describe:	

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 11/1/2002 Inspector: EGF

Weather: light rain

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: 031156 Pump #2 Hours:		027016
Leachate Collection System:		
Panel - note conditions and any alarms:	OK	none
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	3557800	RW-3	1516200
RW-2	6104800	RW-4	0596300

Hour Meters

RW-1	098362	RW-3	200223
RW-2	103625	RW-4	046270

Landfill Cover Inspection			
Leachate seeps Any new seeps	NO	If YES, describe:	
Western seep condition:		none observed	
North seep condition:		none observed	
Gas vents - general condition		OK	ok
- Unusual odors, list vents/describe.			none
Flares ignited		OK	only one ignited
Perimeter fence		OK	ok [illegible]
Erosion/animal burrows	NO	If YES, describe:	

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 11/1/02 Inspector: E & F

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	6.49	443.1	Ok
MW - 2S	459.44	7.65	451.79	ok
MW - 3S	456.4	2.81	452.59	ok - no lock
MW - 4S	456.19	4.60	451.59	ok
MW - 5S	457.15	6.22	450.93	ok
MW - 7S	452.25	1.04	451.21	ok
MW - 9S	456.38	4.9	451.48	ok - no internal cap
MW - 10	486.3	25.22	451.08	ok - needs fill around casing
MW - 11	502.4	52.14	450.26	ok - need fill around casing
MW - 12	483.11	33.0	450.11	ok
PZ - 1*	*452*	2.21	446.06	ok

* PZ-1 elevation needs to be surveyed, elevation is estimated.

NOTES: Flares → North

off off off on off off

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 12/18/02 Inspector: Brent Zimmer

Weather: Sunny 9°

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	Frozen
Access Road - surface/paving/snow	OK	Snow
Overall appearance (trash/litter)	OK	
Pump Station at Tannery Road:	~~Condition:~~ OK	
Pump #1 Hours: 32060	Pump #2 Hours: 27759	
Leachate Collection System:		
Panel - note conditions and any alarms:	OK	
Autodialer - test	OK	Not Performed

Totalizers (on Panel display at Tannery Rd)

RW-1 3403481 RW-3 3480484

RW-2 5120372 RW-4 442660

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 36222 RW-3 15861

RW-2 62332 RW-4 6933

Hour Meters

RW-1 10001.2 RW-3 21152.1

RW-2 10548.1 RW-4 5090.4

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.		
Flares ignited	OK	See page 2 of 2
Perimeter fence	OK	
Erosion/animal burrows	NO	If YES, describe:

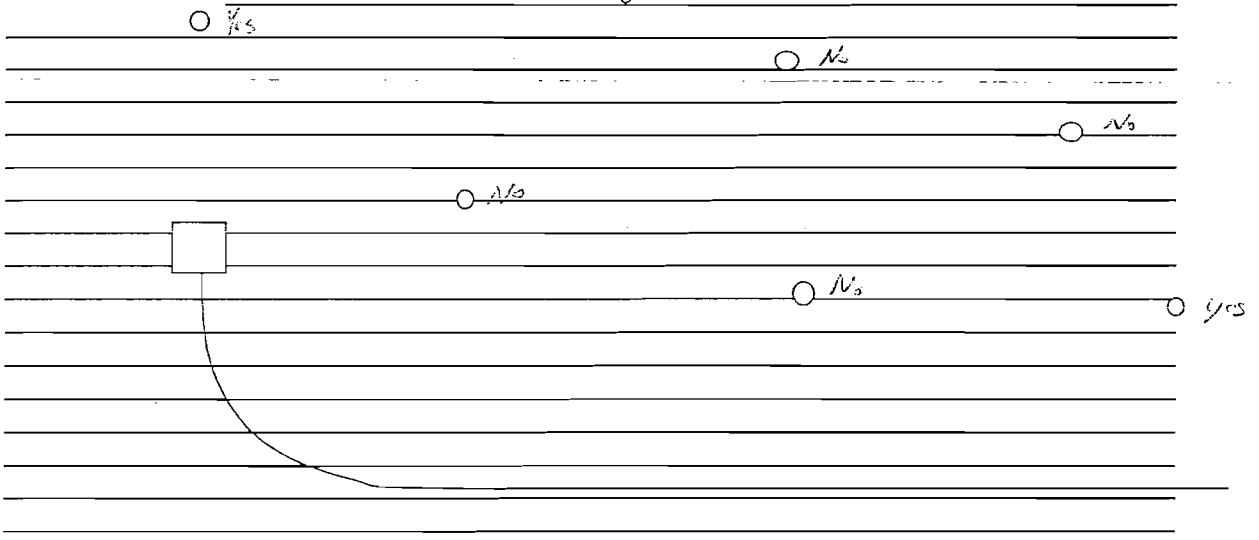
TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 12/18/20 8:30 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	4.98	444.61	Good
MW - 2S	459.44	6.71	452.73	Good
MW - 3S	456.4	3.61	452.79	Good
MW - 4S	456.19	3.98	452.21	Good
MW - 5S	457.15	4.39	452.76	Good
MW - 7S	452.25	9.30	442.95	Good
MW - 9S	456.38	3.87	452.51	Good
MW - 10	486.3	35.25	451.05	Needs backfill
MW - 11	502.4	52.24	450.16	Needs backfill
MW - 12	483.11	32.89	450.22	Good
PZ - 1*	454.37	6.16	448.21	Good

NOTES: Ignited Flares: Yes / No



TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 1/9/03 9:30 Inspector: Brent Zimmer

Weather: 30° Windy overcast

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	Snow
Overall appearance (trash/litter)	OK	
Pump Station at Tannery Road:	Condition: OK	
Pump #1 Hours: 32549	Pump #2 Hours: 28165	
Leachate Collection System:		
Panel - note conditions and any alarms:	OK	RW-4 Call
Autodialer - test	OK	Not performed

Totallizers (on Panel display at Tannery Rd)

RW-1 3433603 RW-3 3514417

RW-2 5181660 RW-4 442660

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 36523 RW-3 16199

RW-2 62944 RW-4 7692

Hour Meters

RW-1 100780 RW-3 215128

RW-2 106368 RW-4 53572

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	check pgm2
Perimeter fence	OK	
Erosion/animal burrows	NO	If YES, describe:

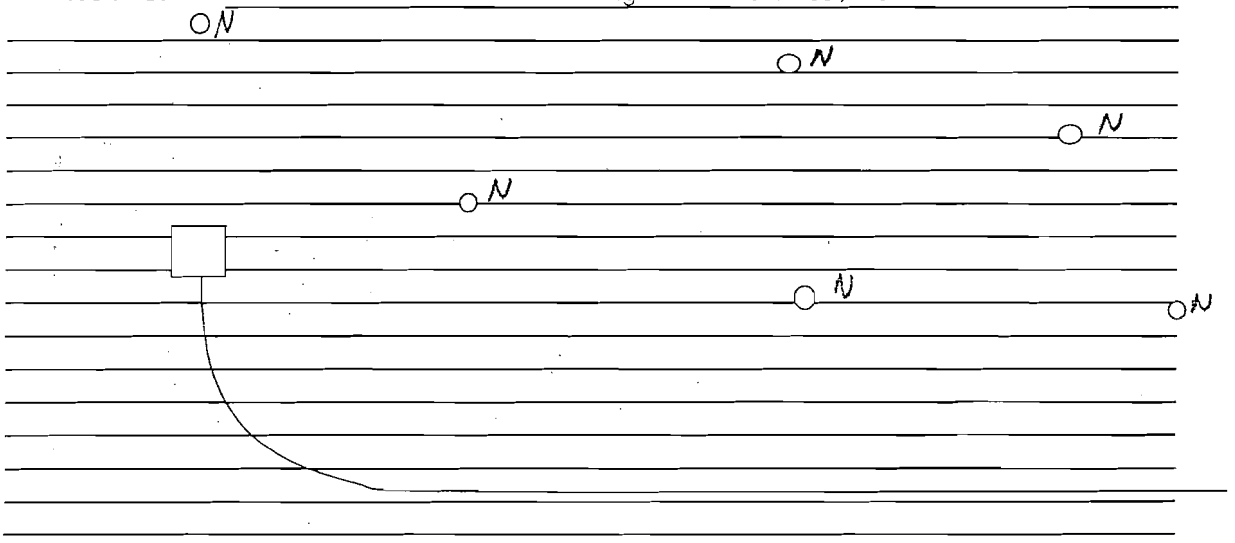
TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 1/8/03 9:30 Inspector: Brent Zimmer

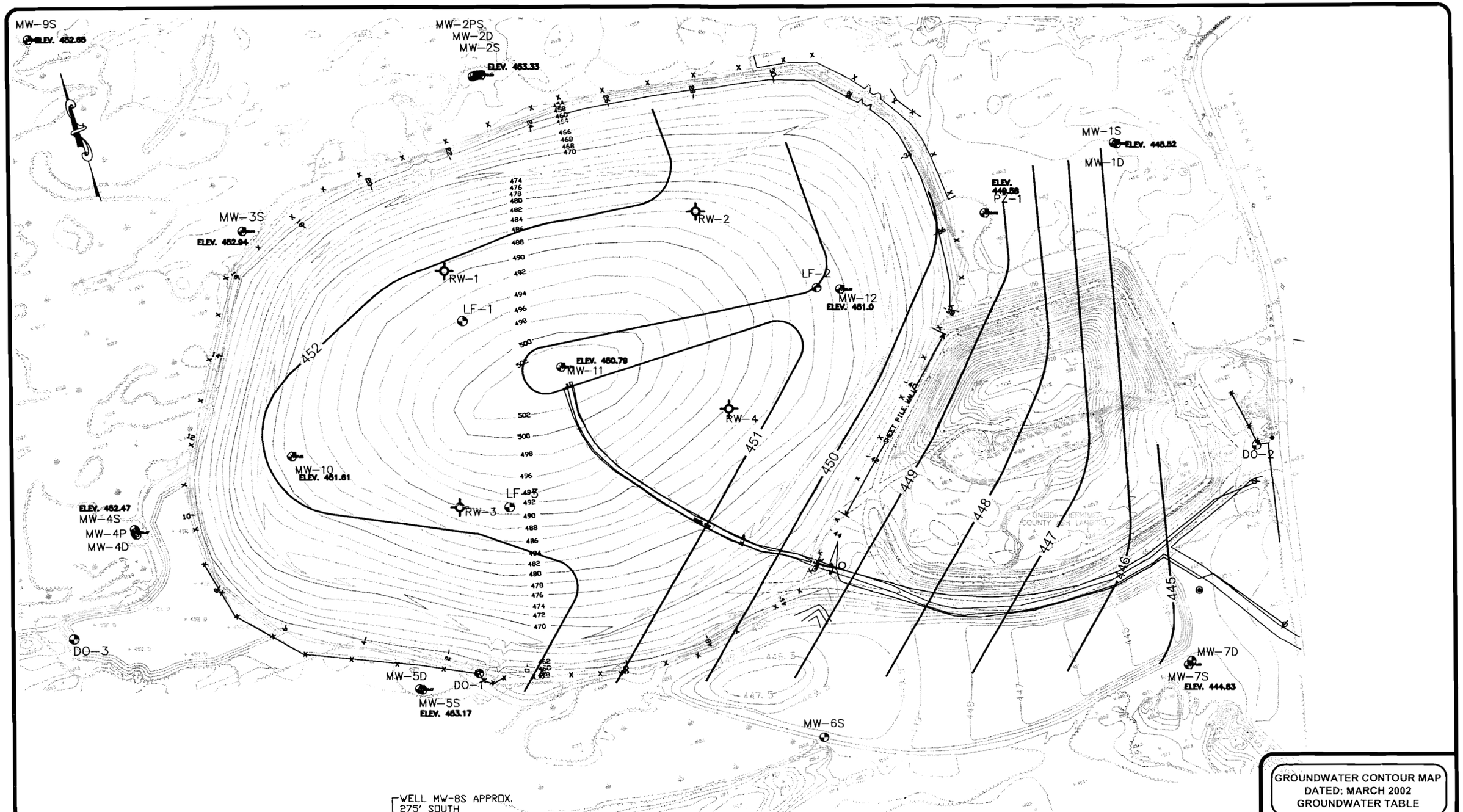
Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	4.64	444.95	Good
MW - 2S	459.44	6.83	452.61	Good
MW - 3S	456.4	3.52	452.88	Good
MW - 4S	456.19	3.92	452.27	Good
MW - 5S	457.15	4.30	452.85	Good
MW - 7S	452.25	8.82	443.43	Good
MW - 9S	456.38	3.83	452.55	Good
MW - 10	486.3	34.89	451.41	Good
MW - 11	502.4	51.96	450.44	Good
MW - 12	483.11	32.76	450.35	Good
PZ - 1*	454.37	5.78	448.59	Good

NOTES: ON Ignited Flares: Yes / No



Drawings



FILENAME: GROUNDWATER_DW_3_02.DWG

GROUNDWATER CONTOUR MAP
DATED: MARCH 2002
GROUNDWATER TABLE

TANNERY ROAD LANDFILL
CITY OF ROME, NEW YORK

DELAWARE ENGINEERING, P.C.
28 Madison Avenue Extension
Albany, New York 12203
Phone 518-452-1290
FAX 518-452-1335

SCALE	AS SHOWN
DATE	APR. 22, 2002
DRAWN BY	KJ
CHECKED BY	
APPROVED BY	EF
FILENAME	
PROJECT NO	
REVISED	

DRAWING NUMBER 1 SHEET NUMBER OF

MW-9S
ELEV. 452.60

MW-2PS
MW-2D
MW-2S
ELEV. 452.18

MW-1S
ELEV. 444.75
MW-1D

ELEV. 448.2
PZ-1

MW-3S
ELEV. 452.84

RW-2

RW-1

LF-2
MW-12
ELEV. 450.94

LF-1

ELEV. 450.69
MW-11

RW-4

MW-10
ELEV. 451.59

LF-3

RW-3

ELEV. 452.35
MW-4S
MW-4P
MW-4D

DO-2

DO-3

MW-5D

DO-1

MW-5S
ELEV. 452.68

MW-7D
MW-7S
ELEV. 444.71

SHEET PILE WALL

452
451
450
449
448
447
446
445

WELL MW-8S APPROX.
275' SOUTH

LEGEND

EXISTING CONTOURS

450 EXISTING GROUNDWATER CONTOURS

MW-4S WELL ELEVATIONS
ELEV. 452.35

GRAPHIC SCALE

(IN FEET)
1 inch = 100 ft.

GROUNDWATER CONTOUR MAP
DATED: JUNE 2002
GROUNDWATER TABLE

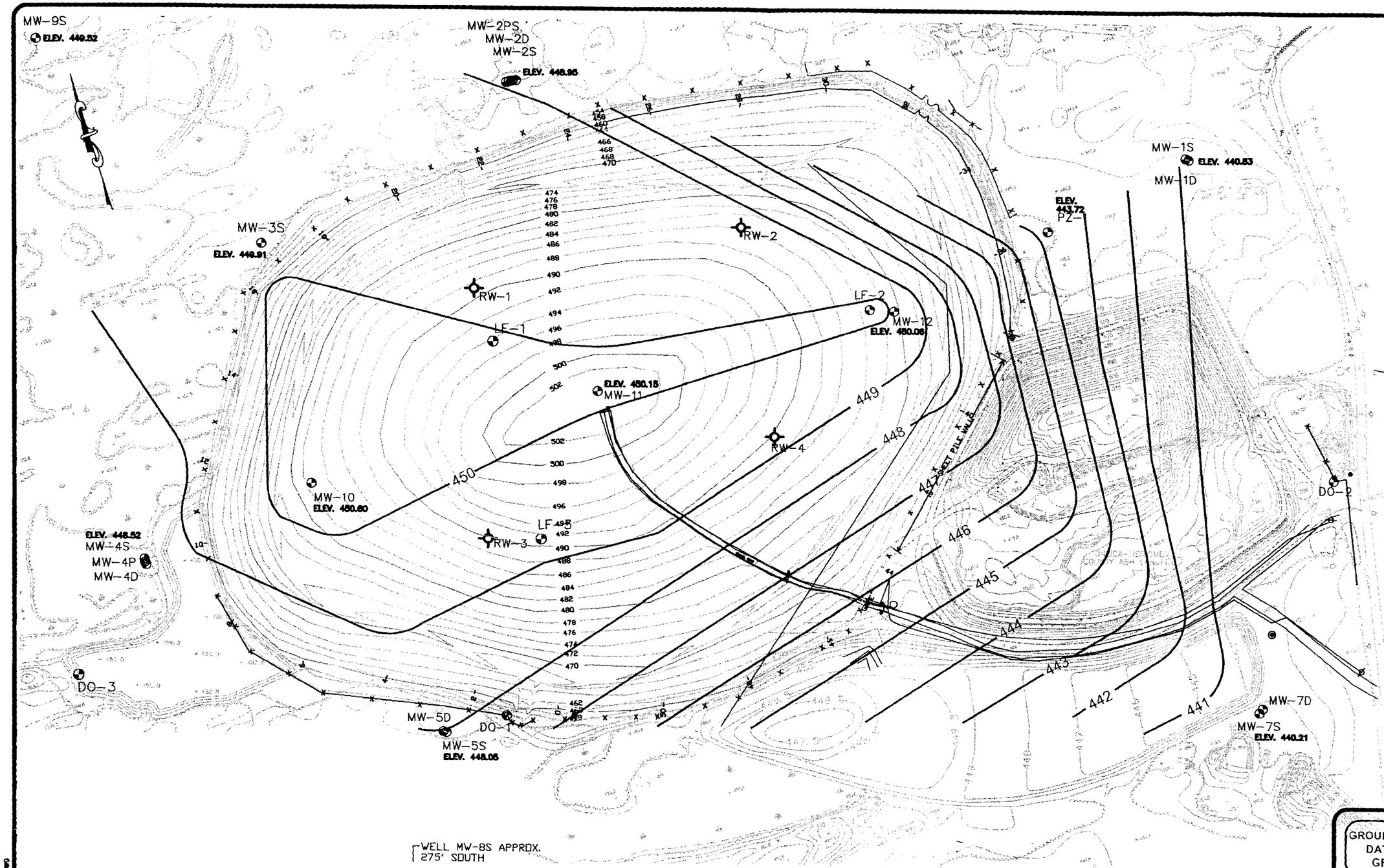
TANNERY ROAD LANDFILL
CITY OF ROME, NEW YORK

DELAWARE ENGINEERING, P.C.
28 Madison Avenue Extension
Albany, New York 12203
Phone 518-452-1290
FAX 518-452-1335

SCALE	AS SHOWN
DATE	SEPT. 3, 2002
DRAWN BY	KJ
CHECKED BY	
APPROVED BY	EF
FILENAME	
PROJECT NO.	
REVISED	

DRAWING NUMBER 1
SHEET NUMBER OF

FILENAME: GROUNDWATER_DW_A_02.DWG



LEGEND

EXISTING CONTOURS

450 EXISTING GROUNDWATER CONTOURS

MW-4S WELL ELEVATIONS
ELEV. 448.52

GRAPHIC SCALE

(IN FEET)
1 inch = 100 ft.

GROUNDWATER CONTOUR MAP
DATED: SEPTEMBER 2002
GROUNDWATER TABLE

TANNERY ROAD LANDFILL
CITY OF ROME, NEW YORK

DELAWARE ENGINEERING, P.C.

28 Madison Avenue Extension
Albany, New York 12203
Phone 518-452-1290
FAX 518-452-1335

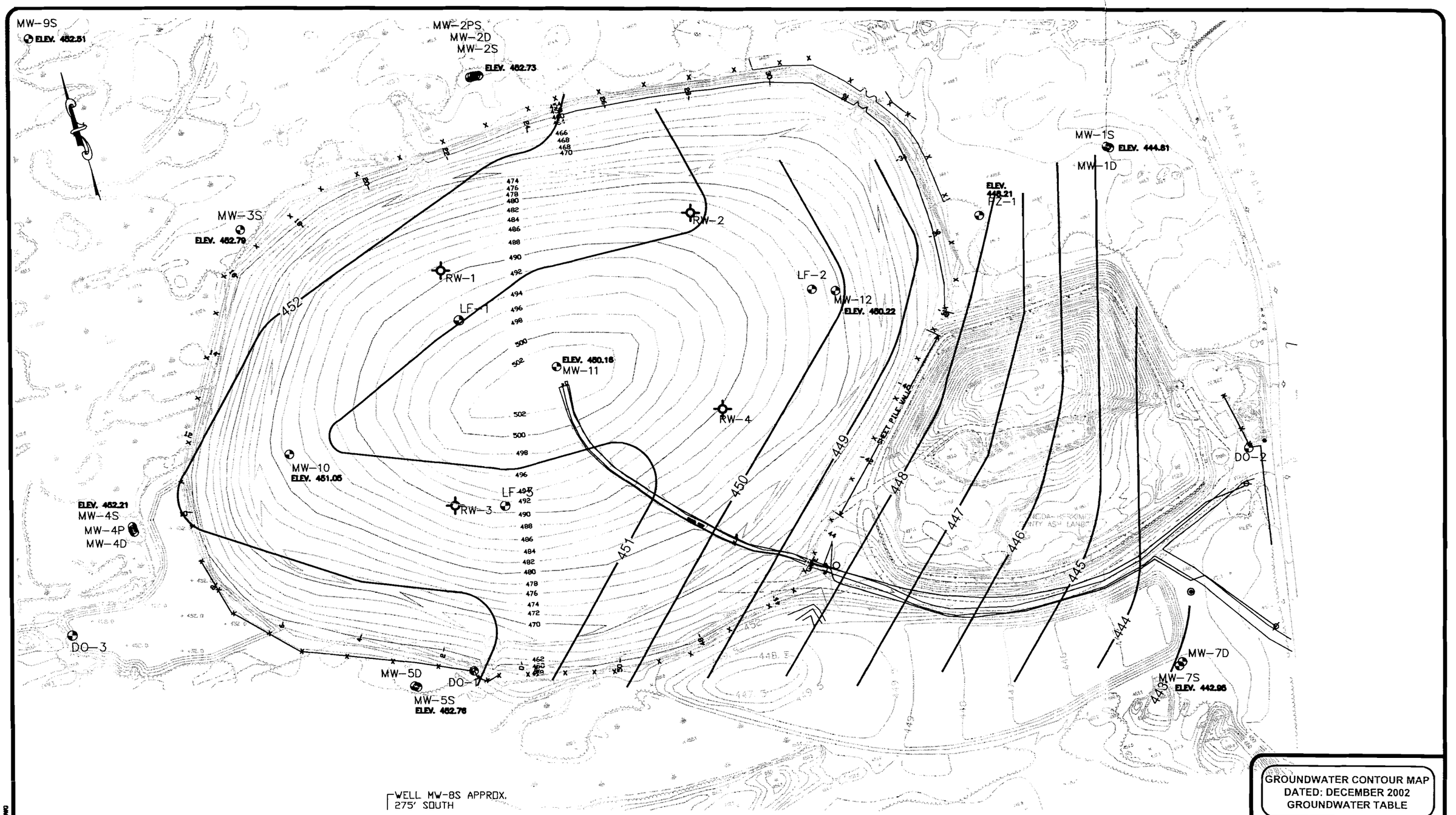
SCALE	AS SHOWN
DATE	NOV. 25, 2002
DRAWN BY	KJ
CHECKED BY	
APPROVED BY	EF
FILENAME	
PROJECT NO.	

REVISED

DRAWING NUMBER 1

SHEET NUMBER OF

FILENAME: GROUNDWATER_CW_9_02.DWG



FILENAME: GROUNDWATER_GW_12_02.DWG

GROUNDWATER CONTOUR MAP
DATED: DECEMBER 2002
GROUNDWATER TABLE

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SCALE	AS SHOWN
DATE	JAN. 17, 2003
DRAWN BY	KJ
CHECKED BY	
APPROVED BY	EF
FILENAME	
PROJECT NO.	
REVISED	

DRAWING NUMBER 1 SHEET NUMBER OF