F.I.D #246036780

JF 5/14/05

need
- lower piezometer @ P2 location?
- dolomite aquitard?
- 3 level sampling @ P8(?) location ... may justify not having add'l piezometers but lower piez are getting worse.
- take it to ... ?
- Review when new data comes in?

2003 Annual Report

Lime Kiln Landfill
Grafton, Wisconsin

Prepared for:

Village of Grafton
Grafton, Wisconsin

Prepared by:

Earth Tech, Inc.
4135 Technology Parkway
Sheboygan, WI 53083

December 2004

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1.0 INTRODUCTION

1.1 PURPOSE

This annual report summarizes the environmental monitoring results and trends at the Lime Kiln Landfill, and evaluates the effectiveness of the natural attenuation remedy that is being assessed as approved in the Investigation Report (Earth Tech, 1999). This is the fourth annual report submitted for the site, and it describes and documents site conditions and activities from January 2000 to December 2003. This report fulfills the requirements of NR 724 that requires reporting of groundwater analysis and site activities. Accordingly, this report includes:

- Presentation of groundwater analytical results.
- Evaluation of groundwater data trends and evidence of the natural attenuation process.
- Recommendations for future monitoring considerations.

Groundwater data presented in this report includes seventeen sample events completed in 2000 (January, March, June, September, and December), 2001 (March, June, October, and December) , 2002 (March, June, October, and December) and 2003 (March, June, September, and December). Routine quarterly monitoring data has been, and will continue to be, provided to the WDNR separate from the Annual Report format. The next scheduled annual report will be compiled after the fourth quarter of 2004.

1.2 REPORT ORGANIZATION

The report is organized as follows; Section 1 provides a brief regulatory summary, describing where the site is to date within the regulatory framework. The investigation scope of work, as well as the site setting, is summarized in Section 2. Section 3, groundwater monitoring, presents the physical and chemical groundwater data collected as part of the monitoring that has taken place during 2000 through 2003. Section 4 is a summary of the natural attenuation process as it occurs at Lime Kiln Landfill. Sections 5 and 6 are the conclusions and recommendations of this report.

2.0 SITE INVESTIGATION SUMMARY

This section summarizes the Site Investigation and Preliminary Remedial Action Investigation Report (Earth Tech, 1999). A full explanation of the site history and investigation is in the Site Investigation Report.

The Lime Kiln Landfill in Grafton, Wisconsin, was investigated under Wisconsin Administrative Code (WAC) NR 700 by the Wisconsin Department of Natural Resources (WDNR) because of impacts of the landfill on the environment.

The Lime Kiln Landfill is defined as a "complex" site under NR 700 based on the groundwater sample results. This designation requires the following be completed: 1) site investigation, 2) identification and evaluation of remedial action options, 3) remedial alternative selection, 4) design, 5) maintenance and operation of remedial actions implemented, and 6) site monitoring. The Village of Grafton completed Items 1 and 2 of this list in the Site Investigation and Preliminary Remedial Action Identification Report (Earth Tech, 1999). Items 3 and 4 are complete, and items 5 and 6 are ongoing.

2.1 SITE LOCATION

The Lime Kiln Landfill site is within the limits of Lime Kiln Park in the Village of Grafton, Ozaukee County. The Milwaukee River borders the south and east edges of the park, while residential areas border the northeast, west, and southwest sides of the Park, as well as the east side of the Milwaukee River. Industries and businesses are located west, north, and northwest of the park along Wisconsin Avenue. The quarry area actually filled is approximately 1.4 acres based upon the field investigation results. The landfill location and site conditions are shown on Figure 1. There have been no changes to the site conditions since the 2000 annual report.

2.2 CONCEPTUAL HYDROGEOLOGIC MODEL

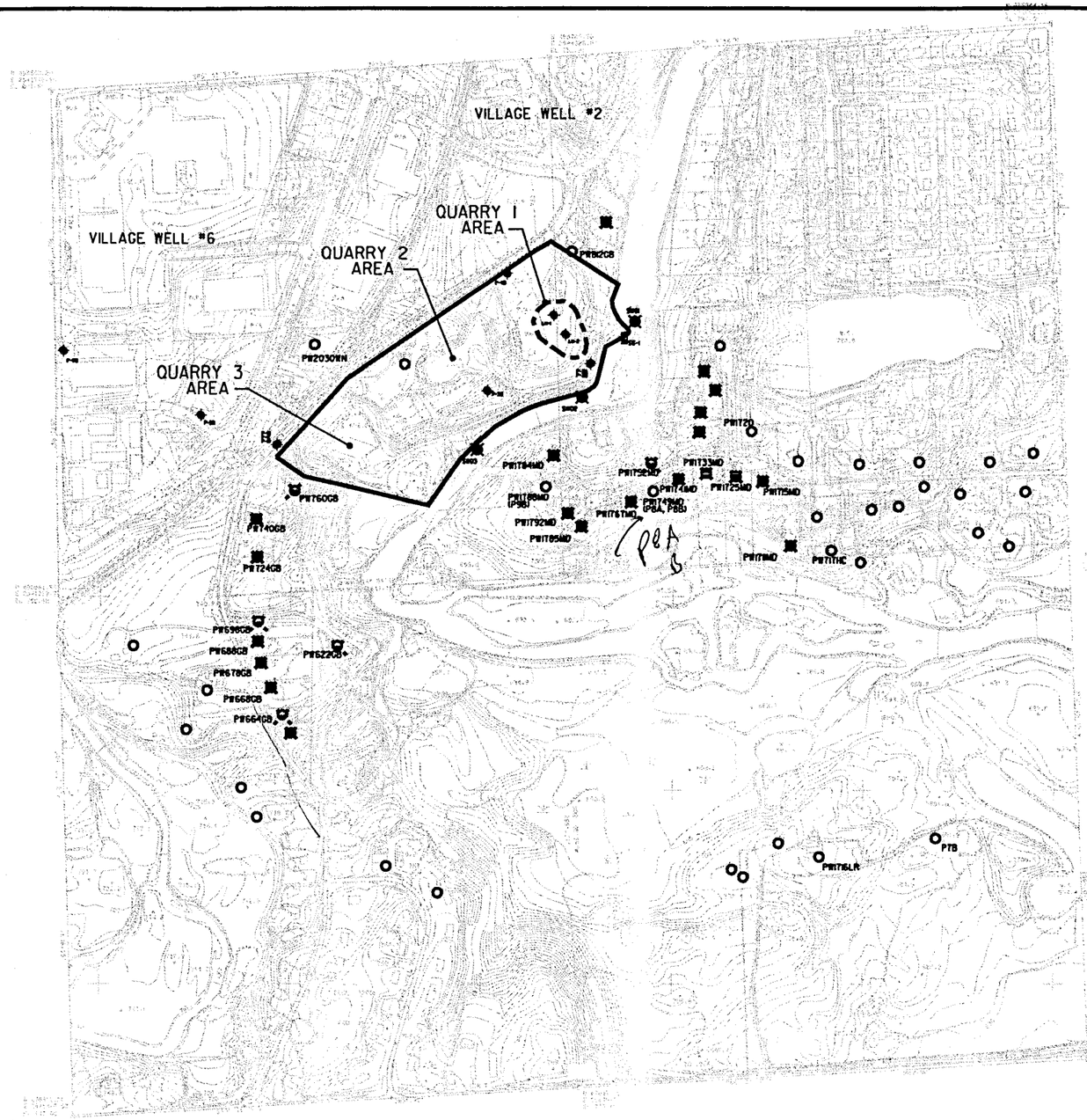
The conceptual groundwater flow model consists of thin unconsolidated glacial deposits and fill which overlie an unconfined dolomite bedrock aquifer. The dolomite aquifer contains lithologic changes, and individual hydrostratigraphic units were classified as aquifers or aquitards. The vertical extent of the conceptual model is bounded by a lower permeability aquitard.

The Silurian-age dolomite aquifer is comprised of undifferentiated Racine Formation and the Romeo beds of the Racine Formation. The aquifer extends approximately 200 feet below the top of bedrock, coincident with the contact of the underlying Waukesha Formation. The Waukesha Formation is designated as an aquitard because it is fine-grained and unweathered.

Northwest of the Park, the water table is on the order of 15 to 20 feet below the ground surface. At the landfill, the water table is about 20 feet below ground surface, saturating the lower portion of the waste in the landfill.

The Milwaukee River forms the eastern boundary of the Park. The 500- to 700-foot reach of the river immediately downstream of the dam adjacent to the park is higher than the water table. Water, therefore, flows from the river bottom to the aquifer.

The local component of the flow system in the vicinity of the site is less pronounced than the regional components. Groundwater in the uppermost aquifer (Racine Formation including the Romeo beds) is considered part of the regional flow systems with a recharge area encompassing the site, as well as



EXPLANATION

- LIME KILN PARK PROPERTY BOUNDARY
- LIMITS OF WASTE (GEOPHYSICS AND GEOPROBE)
- PRIVATE WATER SUPPLY WELL TO BE ABANDONED
- ABANDONED PRIVATE WATER SUPPLY WELL
- PRIVATE WATER SUPPLY WELLS THAT HAVE BEEN SAMPLED
- SURFACE WATER SAMPLE (SW-1)
- MONITORING WELL (P-1)
- LEACHATE WELL (LW-2)
- MONITORING WELL NEST (P-3B)
- STAFF GAUGE (SG-1)

NOTES:

1. TOPOGRAPHIC BASE MAP AND PRIVATE WELL LOCATIONS COMPILED FROM WISCONSIN DEPARTMENT OF NATURAL RESOURCES.
2. HORIZONTAL DATUM BASED ON STATE PLANE COORDINATES.

N

SCALE 0' 175' 350' 700'

EARTH TECH

FIGURE 1
EXISTING CONDITIONS

2003 ANNUAL REPORT
VILLAGE OF GRAFTON
GRAFTON, WISCONSIN

APRIL 2004 30250

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DATE =Mon Dec 13 8:50:04 2004
DGN =\\usshbs01\data\work\graftn01\cadd\2004\sitemap.erd

topographically high areas west of the site. Longer flow paths and discharge to Lake Michigan located about 2.5 miles to the east of the site also characterize the regional flow system.

Once water reaches the water table, flow is controlled by the hydraulic head in the units as shown by water levels in wells surrounding the site. The downward gradients are consistent with the site's position within a recharge area as evidenced by vertical gradients observed in the investigation report.

Groundwater flow is controlled primarily by the bedrock structure and the regional discharge to Lake Michigan. In highly transmissive zones (higher hydraulic conductivity), advective contaminant transport within the aquifer yields a narrow plume, as seen downgradient of the Lime Kiln site.

The regional groundwater flow pattern may also be influenced by public and private water supply wells in the area. The Village of Grafton has seven water supply wells that pump groundwater. Two wells with limited usage are located upgradient of Lime Kiln Park and are shown on Figure 1. Private residence wells outside the Village limits also withdraw groundwater and may affect groundwater flow.

2.3 1999 INVESTIGATION REPORT CONCLUSIONS AND RECOMMENDATIONS

The 1999 Investigation Report had the following conclusions:

- The Lime Kiln Landfill is a source of groundwater impacts.
- Groundwater is impacted in the upper 100 to 200 feet of the Racine Dolomite.
- Two groundwater contaminant plumes were delineated during this investigation. Groundwater contamination from the landfill is limited to the area shown on Figure 8 of the investigation report (included in Appendix A). Groundwater contamination from other sources contribute to the West Plume, also shown on Figure 8. The plumes are distinguished by compounds unique to each plume. NR 140 standards are exceeded for limited compounds in each plume.
- Treatment of the landfill plume is occurring through natural attenuation of parent VOC products as evidenced by the presence of breakdown by-products, and the levels of natural attenuation indicators in groundwater.

The WDNR and the Village of Grafton agreed to the following in 2000 to implement a long-term monitoring program:

- Two private residence wells, PW1788MD and PW1749MD, were converted to monitoring wells screened in the "B" monitoring zone to monitor the west edge of downgradient contamination and to monitor the middle of the Lime Kiln plume.
- Two additional monitoring wells were installed. A shallow well was nested with the monitoring well at PW1749 (P8A, P8B) to monitor shallow groundwater concentrations in the middle of the plume. A downgradient well (P7B) was constructed on the Watts property, also in the "B" monitoring zone, to monitor concentrations between the known plume and downgradient private wells.
- The monitoring plan proposed in Table 13 of the Investigation Report was carried out for four quarters to evaluate natural attenuation as a remedial option at the Lime Kiln Landfill. The plan was then revised, and carried out four an additional four quarters in 2001.

2.4 CURRENT STATUS

Groundwater monitoring to determine the feasibility of natural attenuation as a remedial option is ongoing. This report includes an analysis of natural attenuation during between 2000 and 2003. Groundwater sampling for this report took place between January 2000 and December 2003.

Prior submittals to the Department include the 2000, 2001 and 2002 Annual Reports, the 1999 Investigation Report, sampling results through December 2003, response to comments on the Investigation Report in January 2000, and construction documentation of required monitoring wells P7B, P8A and P8B, and P9B in June 2000. Groundwater sampling results are also submitted to the WDNR in the specified electronic format.

3.0 GROUNDWATER MONITORING

Groundwater monitoring results are being supplied in this report as required in NR 724. The monitoring plan is outlined in Table 1, which lists the wells, parameters, and monitoring frequency for 2003. In addition to groundwater sampling, water levels are collected from site wells to evaluate groundwater flow conditions.

Within the groundwater monitoring program, wells are divided into two major groups, labeled 1 and 2. Group 1 wells are used to evaluate the natural attenuation process. Group 2 wells are used to monitor the edges of the plume, and as sentinel wells for downgradient groundwater users. Group 1 wells are monitored quarterly for lists A (VOCs), B (natural attenuation parameters), and C (indicator parameters). Group B wells are monitored semi-annually for list A (VOCs) only.

3.1 GROUNDWATER OCCURRENCE AND FLOW

The water table represents the top of the groundwater flow system. The water table surface at the landfill has been measured in monitoring wells LH1 and P2A, at approximately 20 feet below ground surface.

Groundwater elevations for the piezometric surface within the Racine Formation "B" monitoring zone, at an elevation between approximately 630 and 650 feet MSL, are depicted on Figures 2 through 5. One piezometric surface was created for each quarter of the year as required. There are only slight variations in water elevations throughout the year.

As shown on the Figures 2 through 5, the piezometric surface ranges in elevation from approximately 710 feet MSL at upgradient well P4B to 690 feet MSL southeast of the site at P8B. Based on these elevations, groundwater within the undifferentiated Racine Formation flows to the south-southeast near Lime Kiln Park, as was shown during the site investigation.

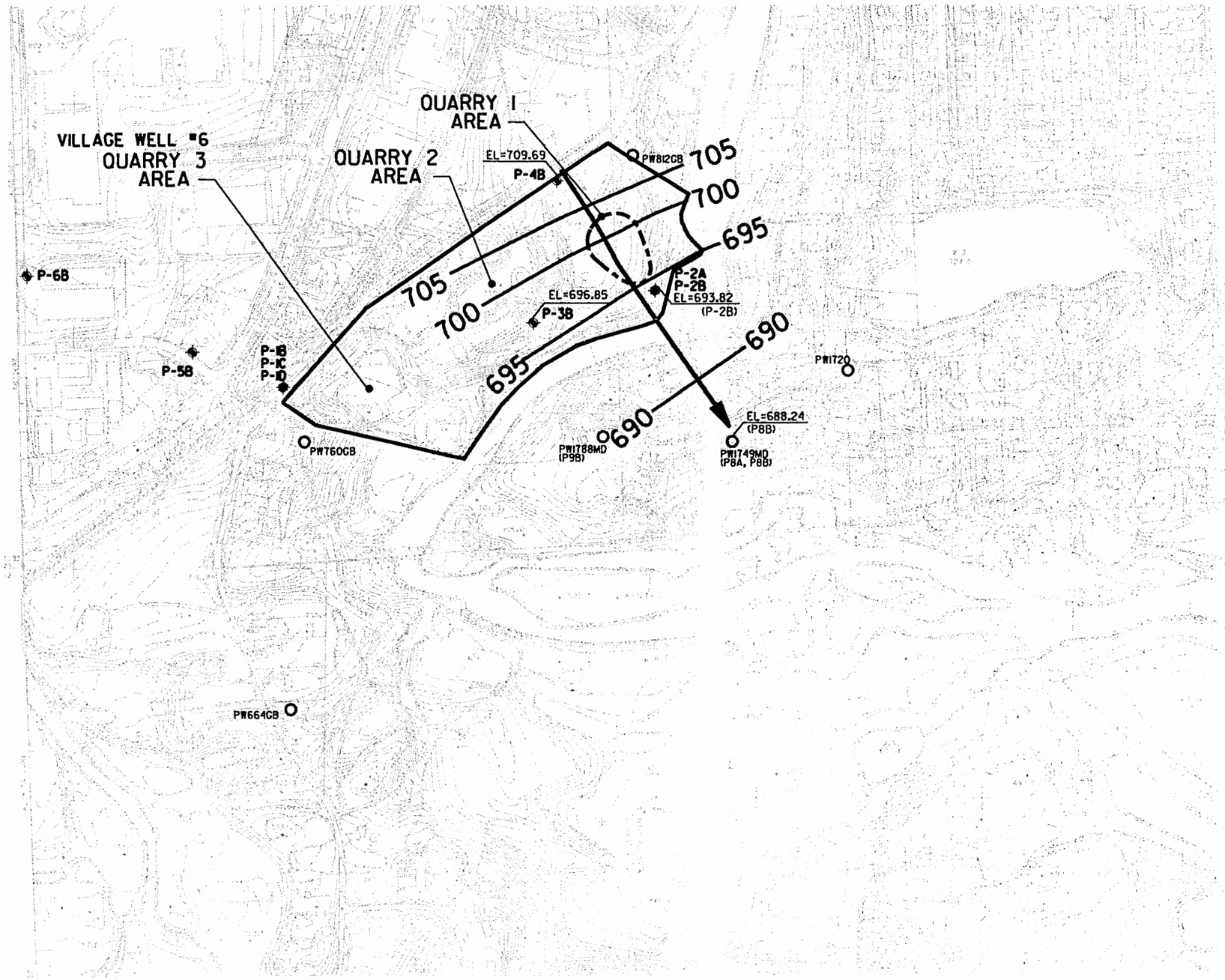
Horizontal hydraulic gradients are similar to those calculated in the investigation report, ranging from 0.018 and 0.015 feet/foot.

Vertical hydraulic gradients were calculated for each quarter from water level data collected at piezometer nests P2A/P2B and P8A/P8B. Gradient calculations are documented in Appendix B. The vertical gradient is downward during four quarters at the P2 nest, consistent with those measured during the investigation. The calculated vertical gradient within the undifferentiated Racine Formation at the P2A/B piezometer ranges from approximately 0.04 to 0.08 feet/foot downward. At the P8A/B piezometer nest, the calculated vertical gradient ranges from 0.01 to 0.02 feet/foot downward during the four events. The overall downward flow component is consistent with the site's location within a recharge area.

3.2 SAMPLE DATA ANALYSIS

This section presents the data from the most recent four sample events, completed in 2003 (March, June, September, and December) and compares the recent data to the past three years of data.

The results were compiled and compared to NR 140 groundwater standards. They were also reviewed to identify trends in compound concentrations and evaluate the process of natural attenuation that is occurring at the site.



EXPLANATION

- LIME KILN PARK PROPERTY BOUNDARY
- ESTIMATED LIMITS OF WASTE (GEOPHYSICS AND GEOPROBE)
- 700 GROUNDWATER CONTOURS (5 FOOT INTERVAL)
- GROUNDWATER FLOW DIRECTION
- EL=693.82 (P-2B) / P-2A P-2B — LEACHATE WELL NEST WITH PIEZOMETRIC ELEVATON, DESIGNATED WELL IN PARENTHESES
- EL=709.69 / P-4B — PIEZOMETER WITH PIEZOMETRIC ELEVATON
- EL=688.24 (P8B) / PW1749MD (P8A,P8B) — PRIVATE WELL WITH PIEZOMETRIC ELEVATON

NOTES:

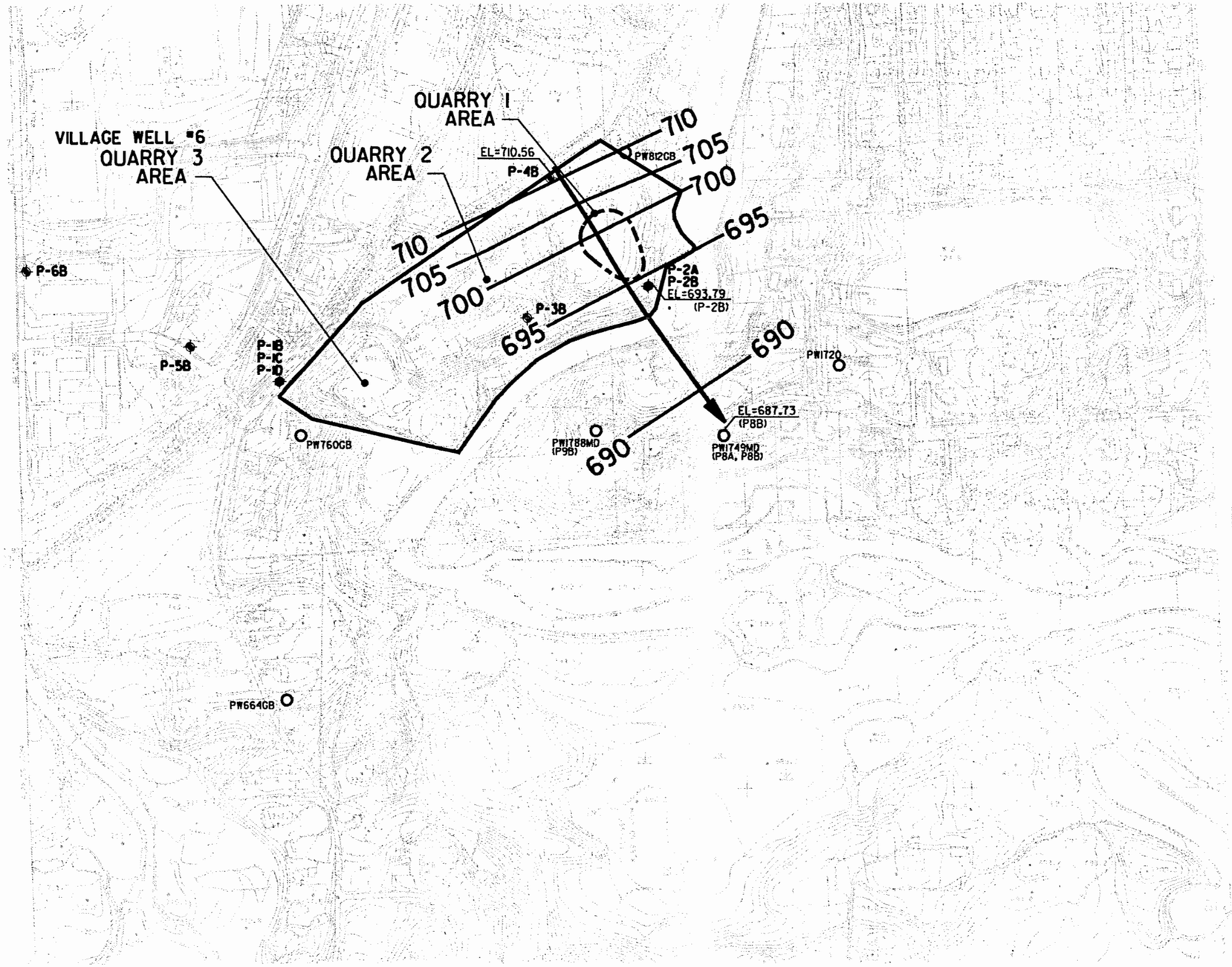
1. TOPOGRAPHIC BASE MAP AND PRIVATE WELL LOCATIONS COMPILED FROM WISCONSIN DEPARTMENT OF NATURAL RESOURCES.
2. HORIZONTAL DATUM SYSTEM BASED ON THE STATE PLANE COORDINATE SYSTEM.
3. ELEVATIONS ARE USGS MEAN SEA LEVEL. DATUM BASED ON GROUNDWATER LEVELS MEASURED ON MARCH --, 2003.

N

SCALE 0' 125' 250' 500'

EARTH TECH

FIGURE 2
PIEZOMETRIC CONTOUR MAP-
MARCH 2003
2003 ANNUAL REPORT
VILLAGE OF GRAFTON
GRAFTON, WISCONSIN
APRIL 2004 30250



EXPLANATION

- LIME KILN PARK PROPERTY BOUNDARY
- ESTIMATED LIMITS OF WASTE (GEOPHYSICS AND GEOPROBE)
- 700 GROUNDWATER CONTOURS (5 FOOT INTERVAL)
- GROUNDWATER FLOW DIRECTION
- EL=693.79 (P-2B) / P-2A P-2B — LEACHATE WELL NEST WITH PIEZOMETRIC ELEVATON. DESIGNATED WELL IN PARENTHESES
- EL=710.56 / P-4B — PIEZOMETER WITH PIEZOMETRIC ELEVATON
- EL=687.73 (P8B) / PW1749MD (P8A,P8B) — PRIVATE WELL WITH PIEZOMETRIC ELEVATON

NOTES:

1. TOPOGRAPHIC BASE MAP AND PRIVATE WELL LOCATIONS COMPILED FROM WISCONSIN DEPARTMENT OF NATURAL RESOURCES.
2. HORIZONTAL DATUM SYSTEM BASED ON THE STATE PLANE COORDINATE SYSTEM.
3. ELEVATIONS ARE USGS MEAN SEA LEVEL. DATUM BASED ON GROUNDWATER LEVELS MEASURED ON JUNE --, 2003.

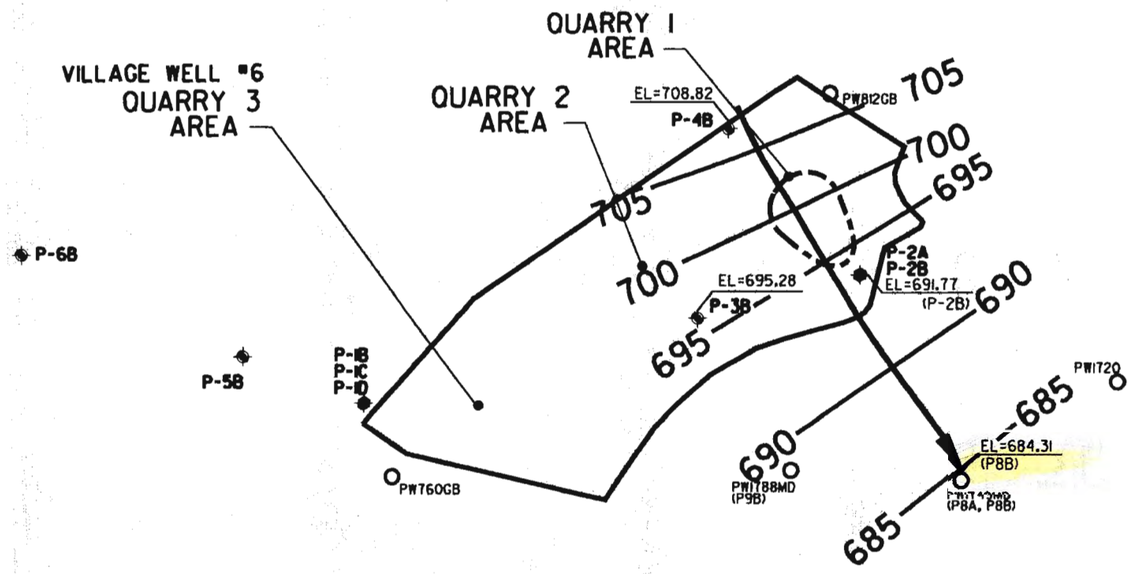
N

SCALE 0' 125' 250' 500'

EARTH TECH

FIGURE 3
PIEZOMETRIC CONTOUR MAP- JUNE 2003
2003 ANNUAL REPORT
VILLAGE OF GRAFTON
GRAFTON, WISCONSIN
APRIL 2004 30250

VILLAGE WELL #2



PW664GB

EXPLANATION

- LIME KILN PARK PROPERTY BOUNDARY
- ESTIMATED LIMITS OF WASTE (GEOPHYSICS AND GEOPROBE)
- 700 GROUNDWATER CONTOURS (5 FOOT INTERVAL)
- GROUNDWATER FLOW DIRECTION
- EL=691.77 (P-2B) / P-2A P-2B — LEACHATE WELL NEST WITH PIEZOMETRIC ELEVATON, DESIGNATED WELL IN PARENTHESES
- EL=708.82 / P-4B — PIEZOMETER WITH PIEZOMETRIC ELEVATON
- EL=684.31 (P8B) / PW1749MD (P8A,P8B) — PRIVATE WELL WITH PIEZOMETRIC ELEVATON

NOTES:

1. TOPOGRAPHIC BASE MAP AND PRIVATE WELL LOCATIONS COMPILED FROM WISCONSIN DEPARTMENT OF NATURAL RESOURCES.
2. HORIZONTAL DATUM SYSTEM BASED ON THE STATE PLANE COORDINATE SYSTEM.
3. ELEVATIONS ARE USGS MEAN SEA LEVEL, DATUM BASED ON GROUNDWATER LEVELS MEASURED ON SEPTEMBER --, 2003.

N

SCALE 0' 125' 250' 500'

EARTH TECH

FIGURE 4
PIEZOMETRIC CONTOUR MAP- SEPTEMBER 2003
2003 ANNUAL REPORT
VILLAGE OF GRAFTON
GRAFTON, WISCONSIN
APRIL 2004 30250

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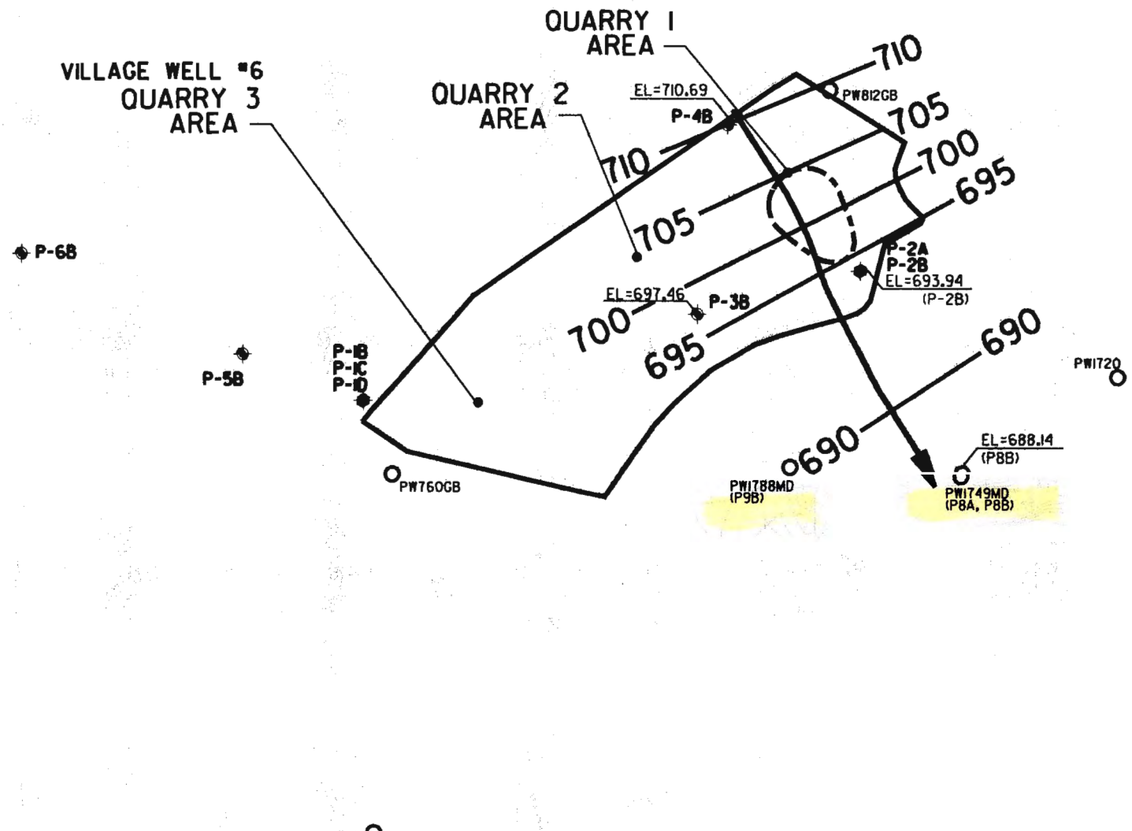

EXPLANATION

- LIME KILN PARK PROPERTY BOUNDARY
- ESTIMATED LIMITS OF WASTE (GEOPHYSICS AND GEOPROBE)
- 700 GROUNDWATER CONTOURS (5 FOOT INTERVAL)
- GROUNDWATER FLOW DIRECTION
- EL=693.94 (P-2B) / P-2A P-2B — LEACHATE WELL NEST WITH PIEZOMETRIC ELEVATON. DESIGNATED WELL IN PARENTHESES
- EL=710.69 / P-4B — PIEZOMETER WITH PIEZOMETRIC ELEVATON
- EL=688.14 (P8B) / PW1749MD (P8A,P8B) — PRIVATE WELL WITH PIEZOMETRIC ELEVATON

NOTES:

1. TOPOGRAPHIC BASE MAP AND PRIVATE WELL LOCATIONS COMPILED FROM WISCONSIN DEPARTMENT OF NATURAL RESOURCES.
2. HORIZONTAL DATUM SYSTEM BASED ON THE STATE PLANE COORDINATE SYSTEM.
3. ELEVATIONS ARE USGS MEAN SEA LEVEL, DATUM BASED ON GROUNDWATER LEVELS MEASURED ON DECEMBER --, 2003.

N

SCALE 0' 125' 250' 500'

EARTH TECH

FIGURE 5
PIEZOMETRIC CONTOUR MAP- DECEMBER 2003
2003 ANNUAL REPORT
VILLAGE OF GRAFTON
GRAFTON, WISCONSIN
APRIL 2004 30250

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TABLE 1

APPROVED MONITORING PLAN – 2003
LIME KILN LANDFILL
VILLAGE OF GRAFTON

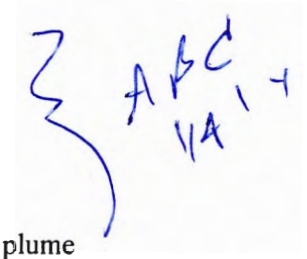
Parameter List

Analysis A.	VOCs
Analysis B.	Natural Attenuation Parameters - Methane, Ethane, Ethene, Chloride, Nitrate, DO, ORP, Iron II
Analysis C.	Indicator Parameters - pH, Temperature, Conductivity

Well Groups

Well List 1

LH1 - Groundwater within waste
P2A - Downgradient of landfill
P2B - Downgradient of landfill
P4B - Upgradient of landfill
P7B - Downgradient of landfill
P8A - Downgradient of landfill
P8B - (formerly PW1749) - Downgradient of plume



Well List 2

PW1530LR
PW1587LR
PW461HR
PW1716LR**
P3B* - Sidegradient of landfill - west side
PW717HC (Sidegradient of plume - east side)

Monitoring Plan

Well List 1

Quarterly analysis of List A, B, C	(March, June, September, December)

Well List 2

Semi-annual analysis of List A	(June, December)
*Semi-annual analysis of List A	(March, September)
**Quarterly analysis of List A	(March, June, September, December)

3.2.1 Monitoring Plan

Groundwater monitoring wells are shown on Figure 1, and the 2003 monitoring plan is presented in Table 1. Groundwater results from four rounds are summarized in Table 2. Table 2 lists compounds that were detected in monitoring plan wells during 2003, and compounds that exceed the Preventive Action Limit (PAL) or the Enforcement Standard (ES) at one or more wells in the monitoring plan are marked accordingly. Table 3 lists groundwater trends (rising, falling, or stable) for the parameters listed in Table 2, and provides the trend analysis from the 2001 and 2002 Annual Reports for comparison. A complete list of 2003 detects and exceedences is included in Appendix C, and an electronic copy of 2003 results is included in the WDNR electronic format in Appendix C.

Compounds detected in monitoring plan wells were analyzed using standard regression analysis at a 90 percent significance level. Printouts of these analyses are included in Appendix D. The results of this analysis are described in the following sections, from upgradient to downgradient. Trend charts are provided for trichloroethene (TCE) and vinyl chloride, the two most commonly detected parameters. Groundwater samples critical to the natural attenuation evaluation are summarized in Section 3.2.2, beginning at upgradient well P4B and working toward the downgradient well P7B. Downgradient private and side gradient protection well results are summarized in Section 3.2.3.

3.2.2 Monitoring List 1 - Natural Attenuation Wells

Upgradient Well P4B

Three chlorinated compounds were detected at P4B during 2003. Cis-1,2-dichloroethene (DCE) was detected in four events, always below the PAL. TCE was detected in four events above the PAL and but below the ES. Vinyl chloride was detected above the ES during the four monitoring events. Nitrogen was detected during three events, and was above the PAL in each event.

The presence of these compounds in the upgradient well suggests that there are groundwater constituents flowing into the site from upgradient sources. The steep groundwater gradient toward the site in the vicinity of the upgradient well makes it unlikely that the landfill is contributing to the concentrations detected at P4B.

Data trends for well P4B are shown on Figure 6, and trend analyses are located in Appendix D. TCE, vinyl chloride, and cis-1,2-DCE have stable trends according to the regression analysis. Vinyl chloride changed from a decreasing trend at the time of the 2002 annual report, to a stable trend in 2003. Other compounds detected at P4B were either inconsistently detected or were detected at levels that are very low or unreliable for trend analysis.

Leachate Well LH1

Eight VOCs have been consistently detected at LH1 located within the landfill waste. Several other VOCs have been detected, though not consistently each sample event, as listed in Appendix D. Of these compounds, 1,1-dichloroethene (1,1 DCE), cis-1,2-DCE, tetrachloroethene (PCE), TCE, and vinyl chloride are consistently detected above the PAL or ES. 1,1-Dichloroethane (1,1 DCA), and trans-1,2-DCE are detected consistently below regulatory limits. Other VOCs are detected inconsistently, and rarely above the PAL. Chloride was detected twice above the PAL, and nitrogen has been consistently detected above the PAL.

Compound concentrations at LH1 within the PCE/TCE and 1,1,1-TCA breakdown pathways are either stable or decreasing as shown in Table 3. Figure 6 shows the decreasing concentrations of vinyl chloride and TCE as determined by regression analysis in Appendix D. Breakdown products from both pathways

TABLE 2

DETECTED VOLATILE ORGANICS AND NR 140 PUBLIC HEALTH EXCEEDANCES JANUARY 2003 TO DECEMBER 2003 VILLAGE OF GRAFTON

Detected Compounds[1]	Exceeded ES[2]	Exceeded PAL[2]
1,1,1-Trichloroethane		
1,1,2-Trichlorotrifluoroethane		
1,1-Dichloroethane		
1,1-Dichloroethene		LH-1[4], P2B, P8A[4], P8B[3]
Benzene		
Chloride	P2A	LH-1, P2B
Chloroethane		
cis-1,2-Dichloroethene	LH-1[4], P2B[5], P8A[5], P8B[3]	
Ethane		
Ethene		
Methane		
Methylene chloride		LH-1, P2A
Tetrachloroethene	LH-1	P3B, P8A
trans-1,2-Dichloroethene		
Trichloroethene	LH-1[4], P2A[4], P2B[4], P3B[5], P7B[5], P8A[5], P8B[3]	P4B[5]
Vinyl chloride	LH-1[4], P2A[5], P2B[5], P4B[4], P8A[5], P8B[3]	

NOTES:

1 Volatile organic compounds that were detected in groundwater monitoring wells during the period.
2 Denotes compounds that exceeded standards at the listed wells during the previous 4 quarters.
3 Rising trend for the compound at the denoted well.
4 Falling trend for the compound at the denoted well.
5 Stable or no significant trend for the compound at the denoted well.

TABLE 3

TREND SUMMARY - NATURAL ATTENUATION MONITORING
LIME KILN LANDFILL
VILLAGE OF GRAFTON

2000-2003 Results

Compound	Upgradient	Landfill Wells		Plume Wells				
Test Name	P4B	LH1	LH2	P2A	P2B	P8A	P8B	P7B
1,1,1-Trichloroethane			NA			--	↑	
1,1-Dichloroethane		--	NA	--	--	--	↑	
1,1-Dichloroethene		↓	NA		--	↓	↑	
cis-1,2-Dichloroethene	--	↓	NA	--	--	--	↑	↑
trans-1,2-Dichloroethene		↓	NA	--	↓	--	↑	
Trichloroethene	--	↓	NA	↓	↓	--	↑	--
Vinyl chloride	--	↓	NA	--	--	--	↑	

NOTES:
Trends determined using regression analysis (Appendix D) from 2000 through 2003
Exceedences determined for 2003

2001-2002 Results

Compound	Upgradient	Landfill Wells		Plume Wells				
Test Name	P4B	LH1	LH2	P2A	P2B	P8A	P8B	P7B
1,1,1-Trichloroethane			NA	--	--	--	--	
1,1-Dichloroethane		↓	NA	↓	--	--	↑	
1,1-Dichloroethene		--	NA		--	--	--	
cis-1,2-Dichloroethene	--	↓	NA	↓	--	--	↑	--
trans-1,2-Dichloroethene		--	NA	--	--	--	--	
Trichloroethene	--	--	NA	--	--	--	↑	--
Vinyl chloride	↓	↓	NA	↓	--	↑	↑	

NOTES:
Trends determined using WDNR Mann-Whitney analysis spreadsheet.
Results of monitoring between January 2001 and December 2002.

2000-2001 Results

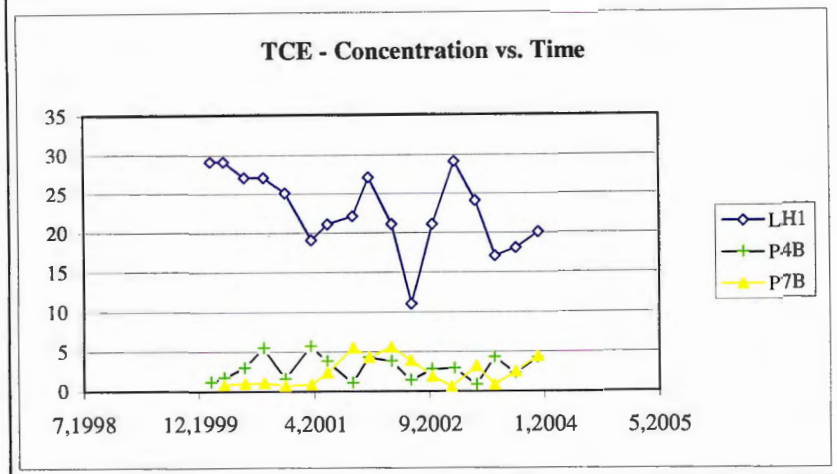
Compound	Upgradient	Landfill Wells		Plume Wells				
Test Name	P4B	LH1	LH2	P2A	P2B	P8A	P8B	P7B
1,1,1-Trichloroethane		--	--	--	--	--	--	
1,1-Dichloroethane		--	--	--	↓	--	↑	
1,1-Dichloroethene		--	--		↓	↑	↑	
cis-1,2-Dichloroethene	--	↓	--	--	--	--	↑	↑
trans-1,2-Dichloroethene		--	--	--	--	--	--	
Trichloroethene	--	↓	--	--	--	--	↑	↑
Vinyl chloride	--	--	--	--	↓	--	↑	--

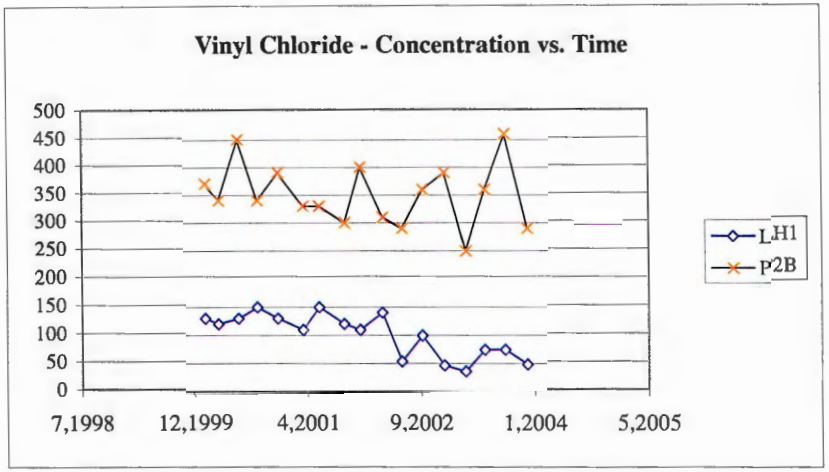
NOTES:
Trends determined using WDNR Mann-Whitney analysis spreadsheet.
Results of monitoring between January 2000 and December 2001.

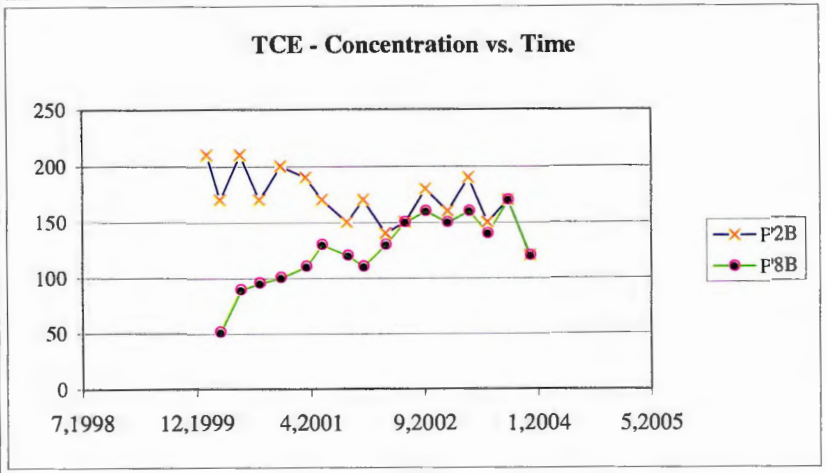
TABLE 3 (Continued)

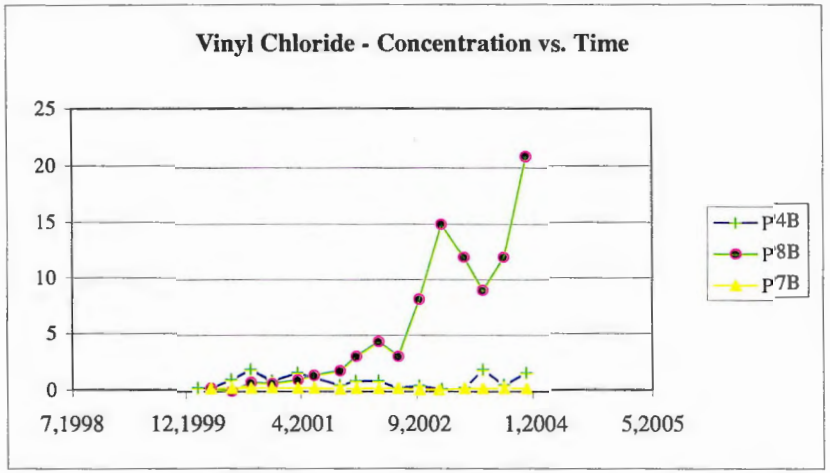
TREND SUMMARY - NATURAL ATTENUATION MONITORING
LIME KILN LANDFILL
VILLAGE OF GRAFTON

Key	
↑	Rising trend
↓	Falling Trend
--	Stable, detected
	Not detected
NA	No analysis
	Above PAL during 2003









Concentration units are in ug/l.

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Figure 6
Village of Grafton - Lime Kiln Landfill
TCE and Vinyl Chloride Concentration Vs. Time Plots
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are present at LH1.The continuing presence of breakdown products suggests that natural attenuation is occurring.

Downgradient Wells P2A and P2B

Well nest P2A/P2B is located downgradient of the landfill within 50 feet of the waste limit. VOCs in both the TCE and 1,1,1-trichloroethane pathways have been detected at P2A and P2B. P2B concentrations are typically higher than at P2A, which is consistent with the measured downward gradient. In comparison to other wells in the monitoring program, the compounds associated with the landfill are detected at the highest concentrations at P2B.

Several chlorinated compounds were detected at the P2 monitoring nest, as listed in Appendix C. At P2A, vinyl chloride is consistently detected above the ES, and TCE is consistently above the PAL. Cis-1,2-DCE, trans-1,2-DCE and 1,1 DCA were consistently detected below the PAL in 2003. Chloride is also consistently above the ES. At P2B, cis-1,2-DCE, TCE, and vinyl chloride are consistently detected above the ES, and chloride is consistently above the PAL. 1,1-DCA and trans-1,2-DCE are consistently detected at P2B below regulatory standards. 1,1,1-TCA has not been detected at P-2B since June of 2001.

At well P2A, concentration trends for the major chlorinated compounds are stable or decreasing as shown in Table 3. Since the 2002 report, 1,1-DCA, cis-1,2-DCE and vinyl chloride have changed from decreasing to stable trends, and TCE changed from a stable to a decreasing trend.

At well P2B, concentration trends for the major chlorinated compounds are stable or decreasing as shown in Table 3. Since 2002, trans-1,2-DCE and TCE have become decreasing trends. The presence of breakdown products and decreasing trends for chlorinated compounds demonstrates that attenuation continues to occur at this location.

Downgradient Wells P8A and P8B

Well nest P8A/P8B is located downgradient of P2B at 1749 Manchester Drive. VOCs in both the TCE and 1,1,1-TCA breakdown pathways have been detected at P8A and P8B. Compound concentrations are typically lower at P8B than at P8A.

At P8A, seven chlorinated VOCs are consistently detected. Of these, 1,1-DCE is consistently above the PAL, and cis-1,2-DCE, TCE, and vinyl chloride are detected above the ES. PCE was detected above the PAL once during 2003 as it was the previous year. Similarly at P8B, cis-1,2-DCE, vinyl chloride, and TCE are detected consistently above the ES. 1,1-DCE was above the PAL once during 2003.

The marker compound from the West Plume, 1,1,2-trichlorotriflouroethane (Freon-113), is also consistently detected at P8B, showing that groundwater in the Manchester Road area (and further downgradient) is influenced by the West Plume (shown in Appendix A.) No other compounds are consistently above regulatory limits at either well. TCE and cis 1,2-DCE are the only chlorinated compounds with higher concentrations at the deeper well, which is assumed to be the result of influence from the West Plume.

Trends were analyzed by regression analysis located in Appendix D, and summarized in Table 3. At P8A, the seven detected compounds do not have a statistically significant trend, other than 1,1-DCE, which is decreasing. Vinyl chloride changed from a rising trend in 2002 to a stable trend in 2003.

P8B has rising trends of 1,1,1-TCA, 1,1-DCA, 1,1-DCE, TCE, trans-1,2-DCE, cis-1,2-DCE, and vinyl chloride. Of the seven rising trends, four compounds are at relatively low levels, below 5 ug/L, and vinyl

chloride is typically below 20 ug/L. Wile rising trends, they are at low and unreliable concentrations. TCE and cis-1,2-DCE are both detected at levels similar to those at P8A, and at the P2 well nest, and are the compounds of concern at this location.

TCE and vinyl chloride concentration trends are graphed on Figure 6. TCE is migrating from upgradient sources including the landfill and the West Plume, based on the continued presence of freon in the well. Increasing levels of breakdown products (cis-1,2-DCE and vinyl chloride) is evidence that TCE is breaking down through attenuation processes. Increasing concentrations of both compounds are expected through the further breakdown of TCE. Trans-1,2-DCE, 1,1-DCE, and 1,1-DCA are present at low and unreliable levels at both wells, though these compounds are further evidence of TCE and 1,1,1-TCA breakdown regardless of upward or downward trends.

Downgradient Well P7B

Well P7B, located on the Watts property, is the well furthest downgradient monitoring of the Lime Kiln Landfill. TCE is the only compound consistently detected during the monitoring period. TCE has consistently been detected near background levels measured at P4B. The TCE trend at P7B is not statistically significant. Cis-1,2-DCE was consistently detected from 2000 through June 2002, and was detected twice during 2003. When detected, it is at background levels. While the trend changed to upward in 2003, the levels are low and unreliable for trend analysis. Rising cis-1,2-DCE concentrations may be evidence of TCE breakdown.

Low levels of TCE and cis-1,2-DCE indicate that the well is affected by background concentrations, and do not necessarily indicate that the well is affected by the Lime Kiln Plume. Inconsistent detects and fluctuating levels at the P7B well indicate that the well is likely beyond the downgradient edge of the plume, and that the well may provide a good indication of the maximum extent of contamination from the Lime Kiln Plume. The well continues to provide assurance that contaminant migration has not extended to further downgradient private wells.

3.2.3 Monitoring List 2 - Private and Sentinel Wells

Sidegradient Wells P3B and Private Well 717 Heather Court

Well P3B is located west and sidegradient of the Lime Kiln Landfill plume. PCE and TCE are the only compounds consistently detected at P3B. As of December 2001, PCE is consistently detected slightly above the PAL and TCE is consistently detected above the ES. While these compounds were detected in the Lime Kiln Landfill, concentration of these compounds at P3B are believed to be from sources unrelated to the landfill. The compounds were detected at wells directly upgradient of P3B during the site investigation at similar concentrations. Both compounds have demonstrated stable concentration trends.

No site-related VOC compounds have been detected in water from the private well at 717 Heather Court (PW717HC). Methylene chloride was detected during one sample event and was attributed to lab contamination.

Downgradient Private Wells

Four downgradient private wells (PW1530LR, PW1587LR, PW1716LR, PW461HR) are monitored for potential plume changes. At the four wells listed in Table 1, methylene chloride was detected in one well during one sample event and was attributed to lab contamination. No other volatile organic compounds were detected at the four private wells.

TABLE 4

DISSOLVED OXYGEN ,OXIDATION - REDUCTION POTENTIAL AND TOTAL ORGANIC CARBON MEASUREMENTS LIME KILN LANDFILL VILLAGE OF GRAFTON

Dissolved Oxygen (ppm)

Well[1]	P4B	LH1	LH2	P2A	P2B	P8B	P7B
Date							
March 23, 2000	2.2	1.82	NA	6.29	4.21	4.7	7.42
June 19, 2000	3.09	0.91	1.48	0.99	1.47	0.7	2.46
September 12, 2000	2.12	0.77	1.19	1	2.03	0.54	1.67
December 13, 2000	2.29	0.9	1.05	1.03	2.03	0.76	2.08
April 3, 2001	2.18	0.79	1.13	1.3	1.88	.87	2.15
June 13, 2001	2.12	0.88	0.99	1.69	1.85	.89	2.03
October 2, 2001	2.19	0.81	0.96	1.83	2.20	1.19	2.11
December 12, 2001	1.83	0.86	0.95	1.61	1.66	1.11	2.09
March 19, 2002	2.40	0.92	0.93	1.85	1.88	1.75	2.46
June 12, 2002	2.30	0.91	0.92	1.89	1.92	2.10	2.56
September 11, 2002	2.07	0.90	NS	1.76	2.01	1.84	2.50
December 17, 2002	2.30	0.96	NS	1.86	1.93	1.99	2.22
March 19, 2003		0.90	NS	1.96	1.96		
March 24, 2003	1.97		NS			2.03	2.10
June 11, 2003	1.87		NS	1.88	1.89		1.87
June 12, 2003		1.05	NS			2.08	
September 9, 2003	2.68		NS	2.01	1.68		
September 10, 2003		0.93	NS			2.28	2.06
December 15, 2003	4.66		NS	4.29	1.17		
December 17, 2003		1.13				1.96	5.82

Oxidation - Reduction Potential (mV)

Well[1]	P4B	LH1	LH2	P2A	P2B	P8B	P7B
Date							
March 23, 2000	169	-143	NA	534	76	150	161
June 19, 2000	223	-148	-84	211	213	172	197
September 12, 2000	80	-136	-77	-37	60	77	137
December 13, 2000	154	-95	-72	-29	52	80	163
April 3, 2001	155	-149	-20	-33	57	73	76
June 13, 2001	168	-194	-29	-130	-128	89	81
October 2, 2001	183	-196	-40	13	-135	98	78
December 12, 2001	80	-118	-37	-42	90	67	77
March 19, 2002	131	-129	-37	10	90	142	179
June 12, 2002	99	-167	-60	26	93	100	119
September 11, 2002	87	-189	NS	30	43	136	150
December 17, 2002	38	-171	NS	-23	-19	68	97
March 19, 2003		-177	NS	-36	71		
March 24, 2003	102		NS			139	129
June 11, 2003	93		NS	53	53		92
June 12, 2003		-52	NS			101	
September 9, 2003	85		NS	-36	36		
September 10, 2003		-168	NS			84	98
December 15, 2003	67		NS	-55	21		
December 17, 2003		-91	NS			58	102

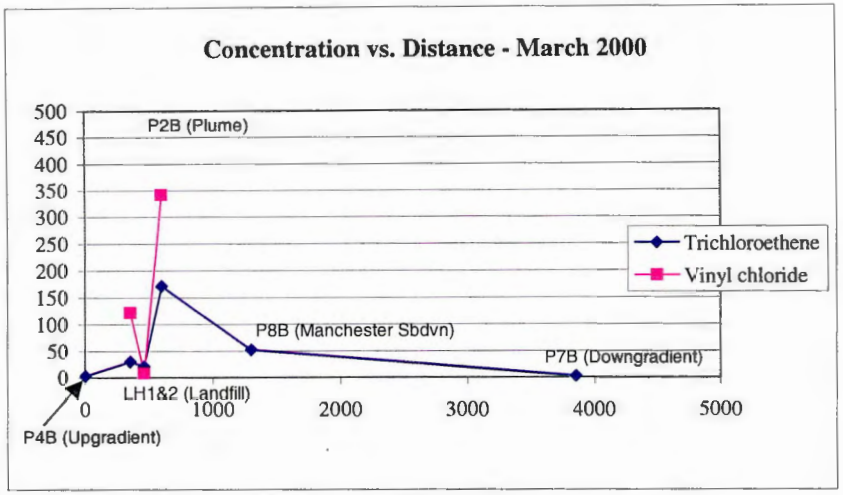
TABLE 4 (Continued)

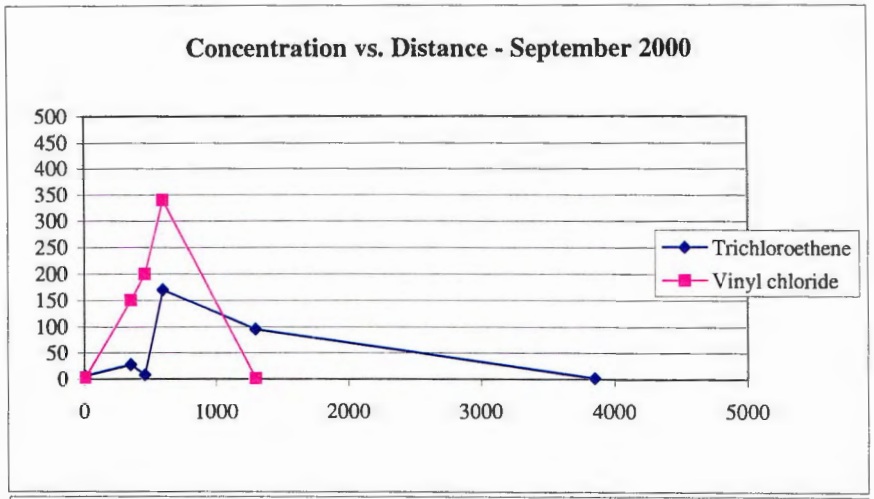
DISSOLVED OXYGEN ,OXIDATION - REDUCTION POTENTIAL AND TOTAL ORGANIC CARBON MEASUREMENTS LIME KILN LANDFILL VILLAGE OF GRAFTON

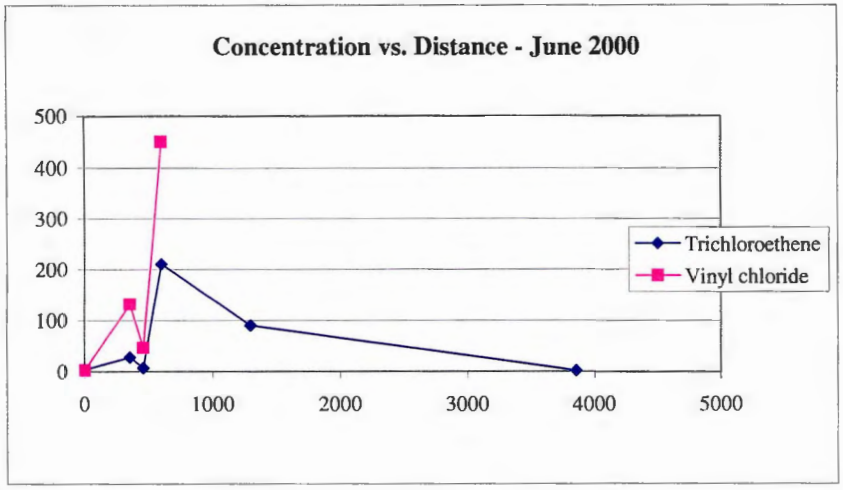
Total Organic Carbon

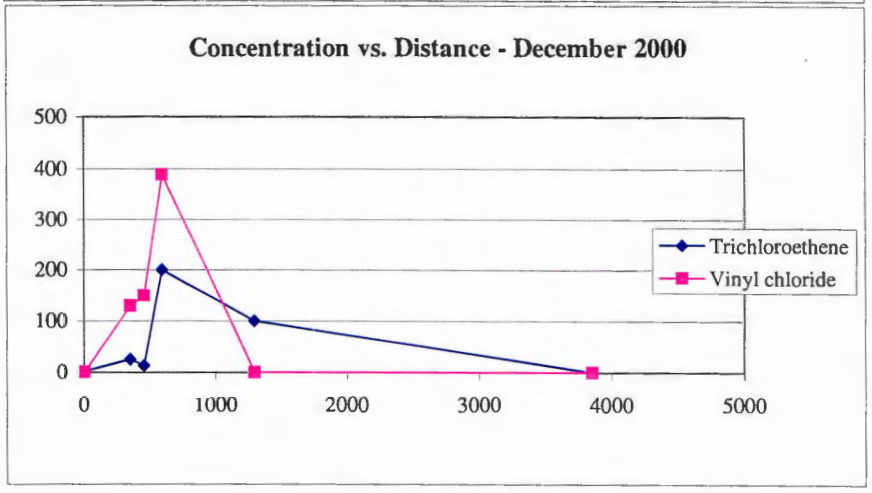
Well[1]	P4B	LH1	LH2	P2A	P2B	P8B	P7B
Date							
March 19, 2002	ND	4.1	3.0	4.0	1.9	1.5	2.0
June 12, 2002	3.1	2.9	3.2	6.0	3.6	3.0	2.8

NOTES:
NA = Measurement was not collected.
[1] = Wells are arranged from upgradient (P4B) to farthest downgradient (P7B).









Units are in feet and ug/l.

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Figure 7
Village of Grafton - Lime Kiln Landfill
TCE and Vinyl Chloride Concentration Vs. Distance Plots
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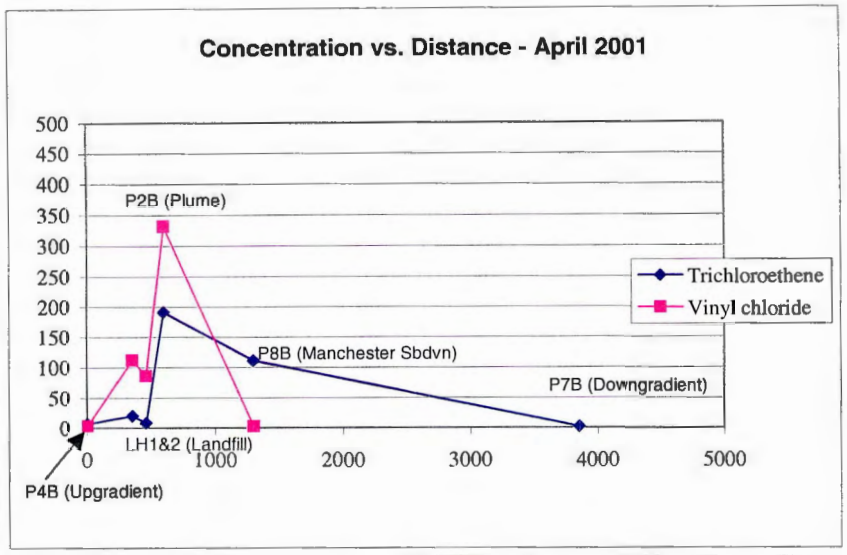

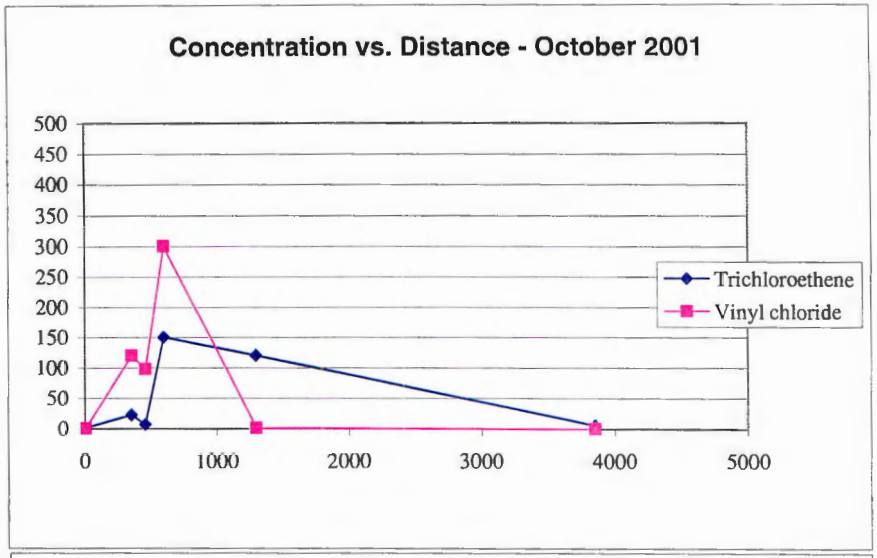

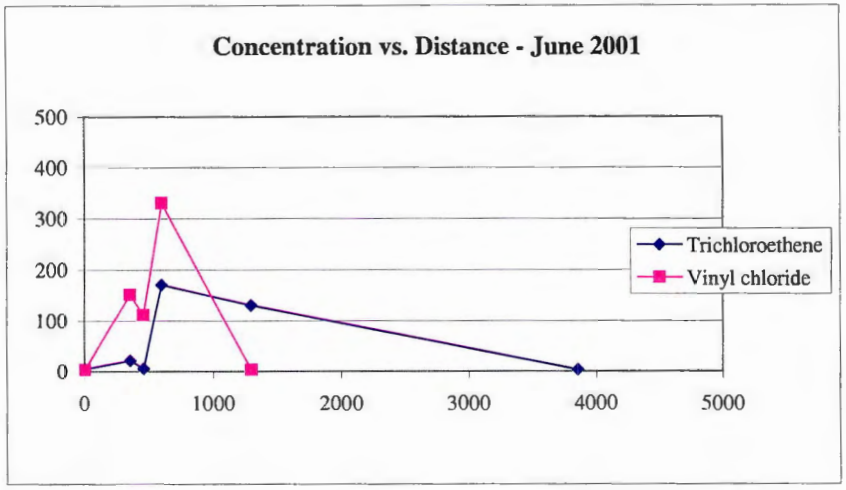

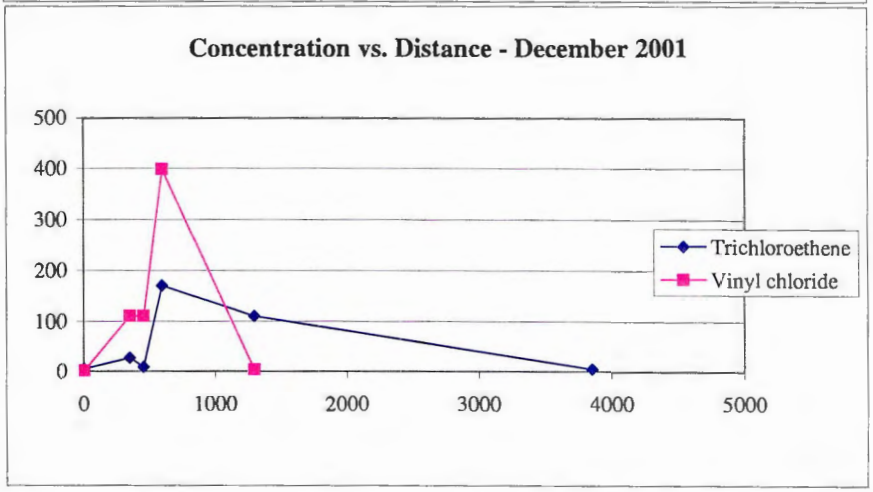

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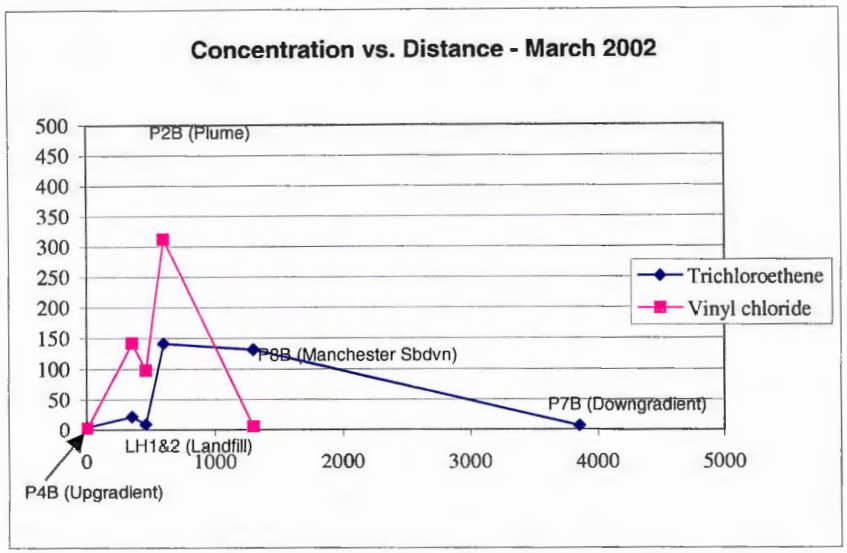

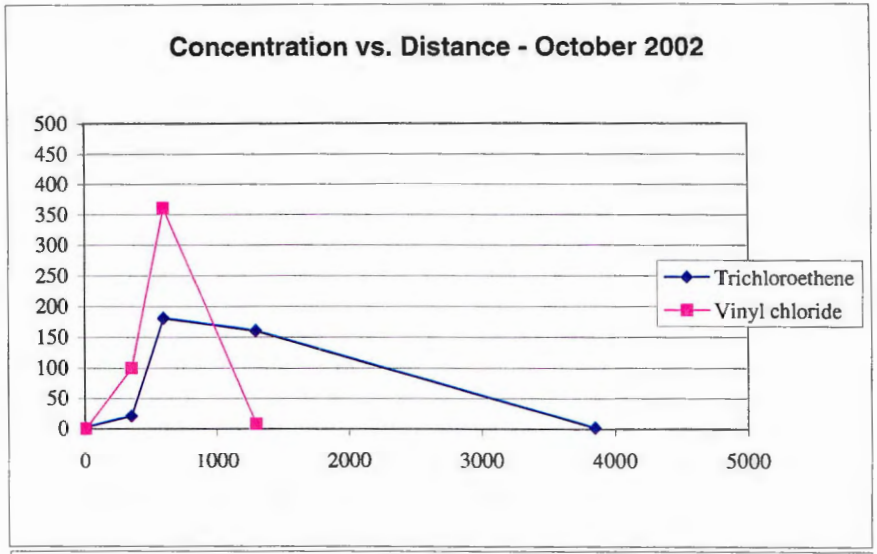

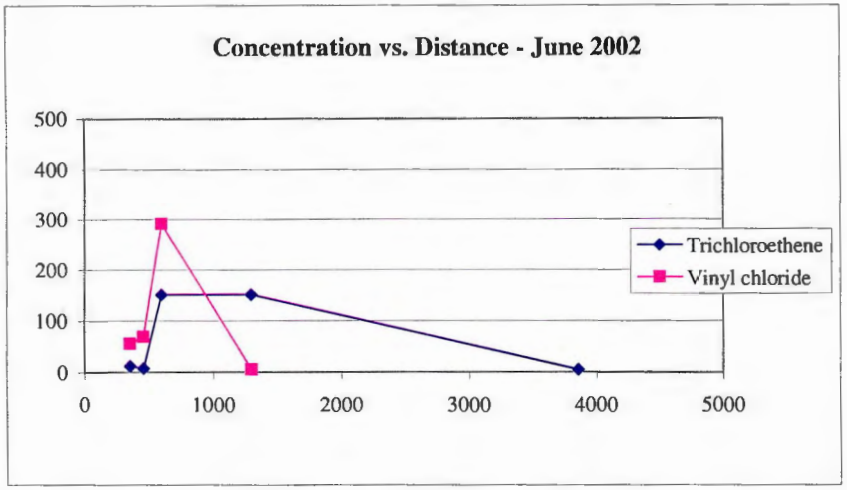

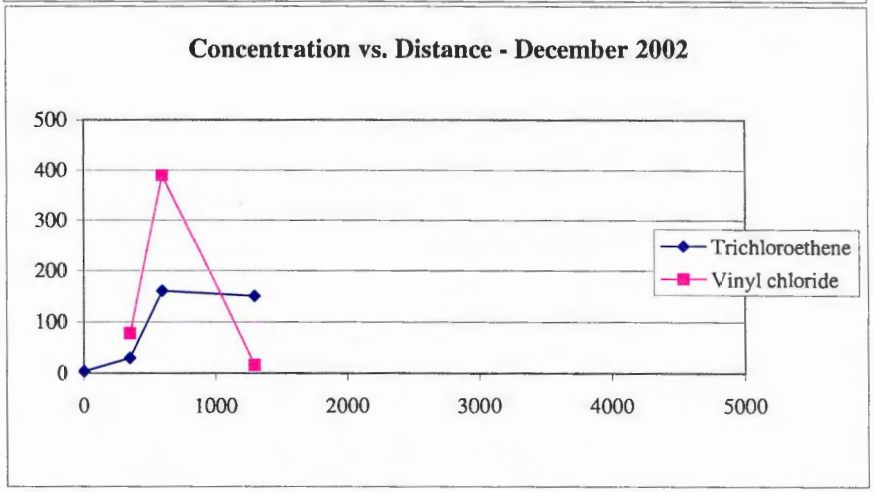

Units are in feet and ug/l.

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Figure 7
Village of Grafton - Lime Kiln Landfill
TCE and Vinyl Chloride Concentration Vs. Distance Plots
2003 Groundwater Monitoring Plan Annual Report
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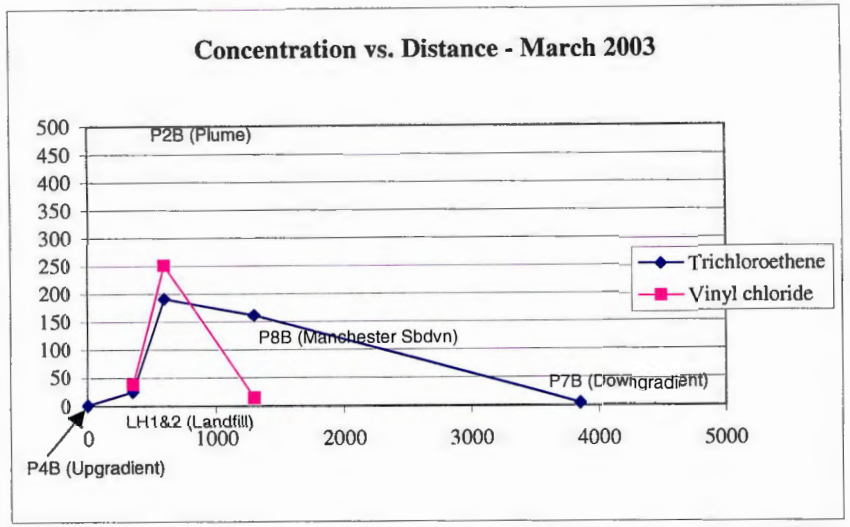

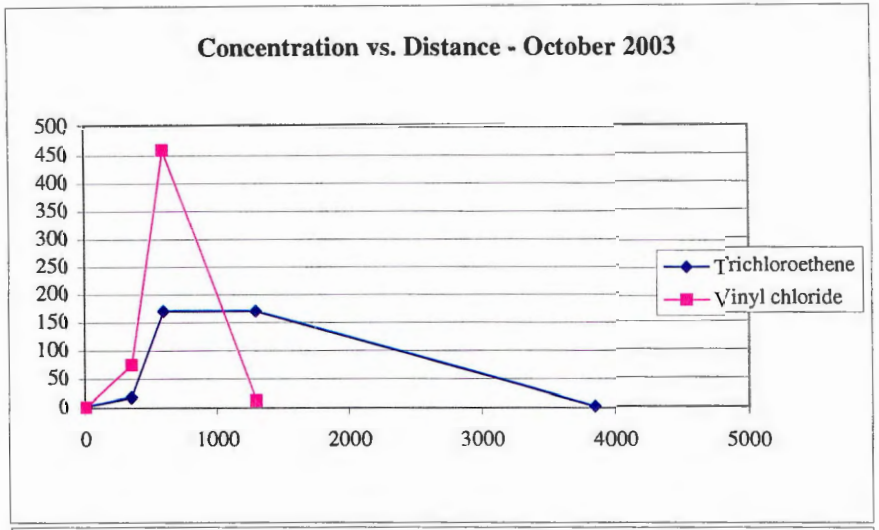

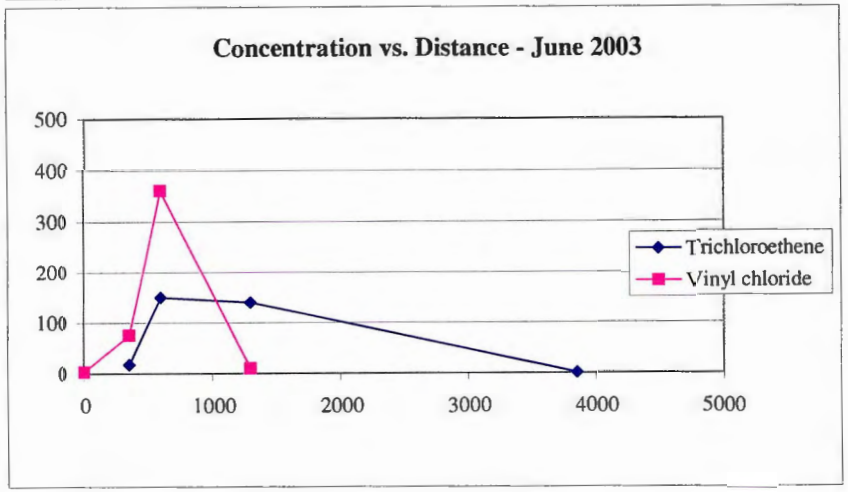

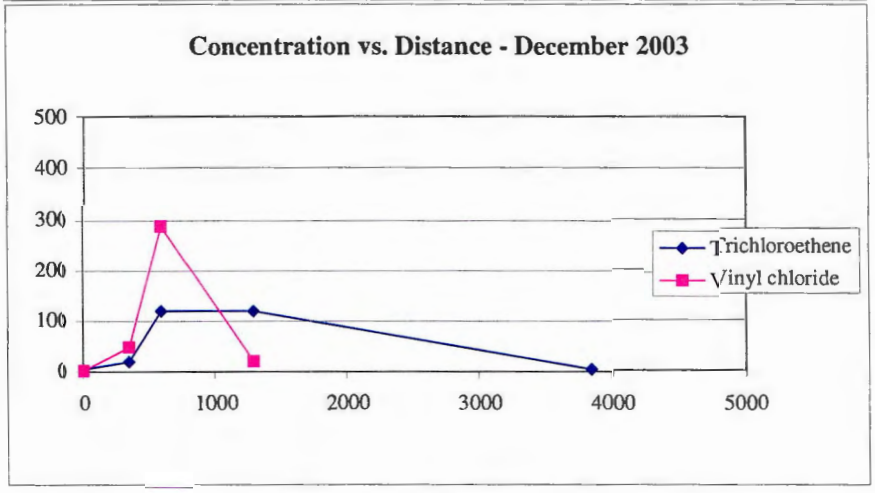

Units are in feet and ug/l.

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Figure 7
Village of Grafton - Lime Kiln Landfill
TCE and Vinyl Chloride Concentration Vs. Distance Plots
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3.3 LIME KILN LANDFILL PLUME TRENDS

Concentration versus distance graphs were constructed according to WDNR natural attenuation guidance (March, 1997). Trend charts include data from the beginning of the investigation, dating back to January 2000. TCE and vinyl chloride concentrations were plotted for each quarter on Figure 7 (four pages) at wells selected for natural attenuation analysis. These compounds were selected because they are the most commonly detected compounds within the plume, and because they represent typical plume characteristics.

Upon analysis of the sixteen graphs shown on Figure 7, the general concentration distribution of vinyl chloride and TCE appears stable, which is expected for a plume that has been present for over 30 years. The shape and magnitude of each line graph is similar throughout the 16 events, with slight variations.

In comparison to other wells in the monitoring program, the compounds associated with the landfill are detected at the highest concentrations at P2B, slightly downgradient of the landfill. It is expected that the plume has moved beyond the landfill, because no new waste has been disposed at the landfill in the last 30 years, and the attenuation of contaminants is occurring at the landfill as evidenced by the presence of breakdown products within landfill wells.

Dissolved oxygen (DO) and oxidation-reduction potential (ORP) measurements are compiled in Table 4 for the monitoring events from 2000 through 2003. Values are organized by date and by distance from the landfill in order to evaluate conditions near the landfill. Each of these parameters can be useful indicators of biodegradation. Naturally occurring microorganisms prefer to use DO, when available, as an electron acceptor in aerobic biodegradation (DO >1 ppm). Typically, the inverse relationship between high contaminant concentrations and low DO concentrations indicate that anaerobic biodegradation is occurring within the impacted groundwater plume. Groundwater ORP is a measure of the relative tendency of a solution to donate or accept electrons. ORP can strongly depend on biodegradation processes and can strongly influence such processes.

In general, DO and ORP are higher at up and downgradient wells, with the lowest levels at LH1. Both of these secondary indicators demonstrate the expected relationship for such a landfill setting, which is an indication that natural attenuation is occurring in groundwater at the site.

4.0 NATURAL ATTENUATION SUMMARY

The information presented provides significant that natural attenuation is remediating the constituents in the Lime Kiln Landfill groundwater plume. The data supports two lines of evidence that natural attenuation is occurring. Primary: Concentrations of chlorinated solvents decrease with distance from the site, and the concentrations are stable or decreasing at most of the monitoring wells. Secondary: The daughter products of chlorinated ethenes and ethanes solvents are present, including cis-1,2-DCE, vinyl chloride, chloroethane, DCE, 1,1-DCA, chloride, ethene, and ethane. The predominance cis-1,2-DCE is a strong indicator of biological degradation of TCE, the main parent VOC detected at the landfill. Increasing concentration trends of daughter products downgradient of the landfill are expected. Additionally, DO and ORP tend to decrease in concentration within and near the landfill, indicating that conditions are conducive to reductive dechlorination of chlorinated solvents.

Should show VC is degrading

5.0 CONCLUSIONS

The following conclusions resulted from groundwater monitoring and analysis at the Lime Kiln Landfill.

- Remediation is occurring through natural attenuation of parent VOCs as evidenced by the presence of daughter products, and the levels of natural attenuation indicator parameters in groundwater.
- With slight fluctuations, the groundwater plume from the landfill is generally stable, based on the length of time since the disposal of waste, the volume of the landfill, and natural attenuation processes that are occurring.
- Increases of TCE and vinyl chloride concentrations have been detected downgradient of the landfill in monitoring well P8B.
- Groundwater downgradient of Lime Kiln Park continues to be affected by sources other than the Lime Kiln Landfill.
- Groundwater quality has improved at the landfill and at the farthest downgradient well.

6.0 RECOMMENDATIONS

The following recommendations are made for the future monitoring and remedial action evaluation of the Lime Kiln Park Landfill.

- The monitoring plan, attached as Appendix E, should be continued in 2003 for four more sample events. While natural attenuation is occurring, there are several increasing concentration trends that should be further monitored and evaluated.

- The following modifications are recommended to the monitoring plan which is included in Appendix E:

  - The methane, ethane, ethane analysis should be completed at well nests P2 and P8 on a semi-annual basis.
  - Sidegradient well P3B should be sampled on a semi-annual basis. It is not affected by the Lime Kiln Plume and is not supporting the monitoring plan in any other way than demonstrating there is a VOC contribution from up-gradient sources.

APPENDIX A

AFFECTED GROUNDWATER AREAS MAP

VILLAGE WELL #2

VILLAGE WELL #6

OAK STREET

MANCHESTER ROAD

VALLEY DRIVE

P-4B

P-2A
P-2B

P-3B

P-5B

P-1B
P-1C

PW2030MW

PW760GB

PW740GB

PW724GB

PW698GB

PW688GB

PW678GB

PW662GB

PW668GB

PW664GB

PW1784MD

PW1788MD

PW1792MD

PW1785MD

PW1752MD

PW1733MD

PW1741MD

PW1725MD

PW1749MD

PW1767MD

PW1715MD

PW1711MD

PW1717HC

PW1716LF

740 735 730 725 720 715 710 705 700 695 690 685

EXPLANATION

- WEST PLUME LIMITS
- LIME KILN PLUME LIMITS
- PLUME INTERSECTION
- LIME KILN PARK PROPERTY BOUNDARY
- LIMITS OF WASTE (GEOPHYSICS AND GEOPROBE)
- 690 — GROUNDWATER CONTOURS (5 FOOT INTERVAL)
- PW1785MD — PRIVATE WELLS WITH WEST PLUME SPECIFIC COMPONENTS
- PW1725MD — PRIVATE WELLS WITH LIME KILN LANDFILL SPECIFIC COMPONENTS
- PW717HC — PRIVATE WELLS WITH NO VOC DETECTS
- LH-2 — LEACHATE WELLS

NOTES:

1. TOPOGRAPHIC BASE MAP AND PRIVATE WELL LOCATIONS COMPILED FROM WISCONSIN DEPARTMENT OF NATURAL RESOURCES.
2. HORIZONTAL DATUM SYSTEM BASED ON THE STATE PLANE COORDINATE SYSTEM.
3. ELEVATIONS ARE USGS MEAN SEA LEVEL DATUM BASED ON GROUNDWATER LEVELS MEASURED ON JUNE 3, 1998.

N

SCALE 0' 125' 250' 500'

L:\work\graftn01\cadd-2004\limit.erd

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FIGURE 8
AFFECTED GROUNDWATER AREAS

2003 ANNUAL REPORT
VILLAGE OF GRAFTON
GRAFTON, WISCONSIN

APRIL 2004

30250

APPENDIX B

CALCULATION SHEET

EARTH TECH

CALCULATION SHEET PAGE 1 OF 1
PROJECT NO. 30250

CLIENT Village of Grafton SUBJECT Vertical Gradient Prepared By BJL Date
PROJECT Lime Kiln Park Reviewed By ____ Date
Approved By ____ Date

Objective: Calculate the Vertical Gradient for the Lime Kiln Park area in the Village of Grafton

Criteria and Assumptions:

- Gradient is calculated by: change in water elevation / change in elevation of well bottom

Vertical Gradient							
Well Number	Date	Water Elevation	Ground Elevation	Well Depth	Elevation of Well Bottom	Gradient	Direction
P2A	March-03	16.5	711.5	22.78	690.42	-0.0553	Downward
P2B	March-03	19.98	711.5	75.43	638.37		
P8A	March-03	55.89	745.62	115.16	630.12	-0.0129	Downward
P8B	March-03	52.05	740.35	198.45	740.29		
P2A	June-03	16.88	711.5	22.78	690.42	-0.0486	Downward
P2B	June-03	20.01	711.5	75.43	638.37		
P8A	June-03	56.24	745.62	115.16	630.12	-0.0147	Downward
P8B	June-03	52.56	740.35	198.45	740.29		
P2A	September-03	16.85	711.5	22.78	690.42	-0.0879	Downward
P2B	September-03	22.03	711.5	75.43	638.36		
P8A	September-03	59.1	745.62	115.16	630.14	-0.0211	Downward
P8B	September-03	55.98	740.35	198.45	740.29		
P2A	December-03	16.46	711.5	22.78	690.42	-0.0538	Downward
P2B	December-03	19.86	711.5	75.43	636.26		
P8A	December-03	56.23	745.62	115.16	630.14	-0.0102	Downward
P8B	December-03	52.15	740.35	198.45	740.29		

APPENDIX C

GROUNDWATER MONITORING DATA

Village of Grafton - Lime Kiln Landfill

Regulatory Exceedences

January 2000 to December 2003

Well	Date	Compound	Result	ES	PAL	Exceedence
LH1						
	1/26/2000	1,1-Dichloroethene	1.3	7	0.7	PAL
	3/24/2000	1,1-Dichloroethene	1.6	7	0.7	PAL
	6/21/2000	1,1-Dichloroethene	1	7	0.7	PAL
	9/13/2000	1,1-Dichloroethene	1.5	7	0.7	PAL
	12/13/2000	1,1-Dichloroethene	1.3	7	0.7	PAL
	4/4/2001	1,1-Dichloroethene	1.1	7	0.7	PAL
	6/14/2001	1,1-Dichloroethene	1.4	7	0.7	PAL
	10/2/2001	1,1-Dichloroethene	1.2	7	0.7	PAL
	12/11/2001	1,1-Dichloroethene	1.4	7	0.7	PAL
	3/20/2002	1,1-Dichloroethene	1.2	7	0.7	PAL
	9/12/2002	1,1-Dichloroethene	0.8	7	0.7	PAL
	12/17/2002	1,1-Dichloroethene	0.89	7	0.7	PAL
	3/19/2003	1,1-Dichloroethene	0.95	7	0.7	PAL
	9/12/2002	Benzene	0.51	5	0.5	PAL
	3/24/2000	Chloride	140	250	125	PAL
	6/21/2000	Chloride	130	250	125	PAL
	12/13/2000	Chloride	130	250	125	PAL
	12/11/2001	Chloride	130	250	125	PAL
	3/19/2003	Chloride	130	250	125	PAL
	9/10/2003	Chloride	140	250	125	PAL
	1/26/2000	cis-1,2-Dichloroethene	120	70	7	ES
	3/24/2000	cis-1,2-Dichloroethene	110	70	7	ES
	6/21/2000	cis-1,2-Dichloroethene	120	70	7	ES
	9/13/2000	cis-1,2-Dichloroethene	140	70	7	ES
	12/13/2000	cis-1,2-Dichloroethene	120	70	7	ES
	4/4/2001	cis-1,2-Dichloroethene	100	70	7	ES
	6/14/2001	cis-1,2-Dichloroethene	120	70	7	ES
	10/2/2001	cis-1,2-Dichloroethene	110	70	7	ES
	12/11/2001	cis-1,2-Dichloroethene	110	70	7	ES
	3/20/2002	cis-1,2-Dichloroethene	99	70	7	ES
	6/13/2002	cis-1,2-Dichloroethene	44	70	7	PAL
	9/12/2002	cis-1,2-Dichloroethene	97	70	7	ES
	12/17/2002	cis-1,2-Dichloroethene	77	70	7	ES
	3/19/2003	cis-1,2-Dichloroethene	70	70	7	PAL
	6/12/2003	cis-1,2-Dichloroethene	84	70	7	ES
	9/10/2003	cis-1,2-Dichloroethene	85	70	7	ES
	12/17/2003	cis-1,2-Dichloroethene	66	70	7	PAL
	6/13/2002	Iron	390	0.3	0.15	ES
	1/26/2000	Mercury - Dissolved	0.28	2	0.2	PAL
	3/24/2000	Mercury - Dissolved	0.55	2	0.2	PAL
	12/13/2000	Mercury - Dissolved	0.54	2	0.2	PAL
	6/21/2000	Methylene chloride	1	5	0.5	PAL
	12/13/2000	Methylene chloride	0.71	5	0.5	PAL

Well	Date	Compound	Result	ES	PAL	Exceedence
	12/11/2001	Methylene chloride	1	5	0.5	PAL
	6/12/2003	Methylene Chloride	0.62	5	0.5	PAL
	3/19/2003	Nitrogen, Nitrate	2.5	10	2	PAL
	9/10/2003	Nitrogen, Nitrate	2.1	10	2	PAL
	12/17/2003	Nitrogen, Nitrate	2.8	10	2	PAL
	1/26/2000	Tetrachloroethene	4.4	5	0.5	PAL
	3/24/2000	Tetrachloroethene	6.5	5	0.5	ES
	6/21/2000	Tetrachloroethene	3	5	0.5	PAL
	9/13/2000	Tetrachloroethene	3.7	5	0.5	PAL
	12/13/2000	Tetrachloroethene	4.2	5	0.5	PAL
	4/4/2001	Tetrachloroethene	2.2	5	0.5	PAL
	6/14/2001	Tetrachloroethene	2.6	5	0.5	PAL
	10/2/2001	Tetrachloroethene	4.4	5	0.5	PAL
	12/11/2001	Tetrachloroethene	5.7	5	0.5	ES
	3/20/2002	Tetrachloroethene	3.9	5	0.5	PAL
	9/12/2002	Tetrachloroethene	3.8	5	0.5	PAL
	12/17/2002	Tetrachloroethene	6.5	5	0.5	ES
	3/19/2003	Tetrachloroethene	6	5	0.5	ES
	6/12/2003	Tetrachloroethene	3.3	5	0.5	PAL
	9/10/2003	Tetrachloroethene	4.2	5	0.5	PAL
	12/17/2003	Tetrachloroethene	5.6	5	0.5	ES
	1/26/2000	Trichloroethene	29	5	0.5	ES
	3/24/2000	Trichloroethene	29	5	0.5	ES
	6/21/2000	Trichloroethene	27	5	0.5	ES
	9/13/2000	Trichloroethene	27	5	0.5	ES
	12/13/2000	Trichloroethene	25	5	0.5	ES
	4/4/2001	Trichloroethene	19	5	0.5	ES
	6/14/2001	Trichloroethene	21	5	0.5	ES
	10/2/2001	Trichloroethene	22	5	0.5	ES
	12/11/2001	Trichloroethene	27	5	0.5	ES
	3/20/2002	Trichloroethene	21	5	0.5	ES
	6/13/2002	Trichloroethene	11	5	0.5	ES
	9/12/2002	Trichloroethene	21	5	0.5	ES
	12/17/2002	Trichloroethene	29	5	0.5	ES
	3/19/2003	Trichloroethene	24	5	0.5	ES
	6/12/2003	Trichloroethene	17	5	0.5	ES
	9/10/2003	Trichloroethene	18	5	0.5	ES
	12/17/2003	Trichloroethene	20	5	0.5	ES
	1/26/2000	Vinyl chloride	130	0.2	0.02	ES
	3/24/2000	Vinyl chloride	120	0.2	0.02	ES
	6/21/2000	Vinyl chloride	130	0.2	0.02	ES
	9/13/2000	Vinyl chloride	150	0.2	0.02	ES
	12/13/2000	Vinyl chloride	130	0.2	0.02	ES
	4/4/2001	Vinyl chloride	110	0.2	0.02	ES
	6/14/2001	Vinyl chloride	150	0.2	0.02	ES
	10/2/2001	Vinyl chloride	120	0.2	0.02	ES
	12/11/2001	Vinyl chloride	110	0.2	0.02	ES
	3/20/2002	Vinyl chloride	140	0.2	0.02	ES
	6/13/2002	Vinyl chloride	54	0.2	0.02	ES
	9/12/2002	Vinyl chloride	100	0.2	0.02	ES

Well	Date	Compound	Result	ES	PAL	Exceedence
	12/11/2001	Methylene chloride	1	5	0.5	PAL
	6/12/2003	Methylene Chloride	0.62	5	0.5	PAL
	3/19/2003	Nitrogen, Nitrate	2.5	10	2	PAL
	9/10/2003	Nitrogen, Nitrate	2.1	10	2	PAL
	12/17/2003	Nitrogen, Nitrate	2.8	10	2	PAL
	1/26/2000	Tetrachloroethene	4.4	5	0.5	PAL
	3/24/2000	Tetrachloroethene	6.5	5	0.5	ES
	6/21/2000	Tetrachloroethene	3	5	0.5	PAL
	9/13/2000	Tetrachloroethene	3.7	5	0.5	PAL
	12/13/2000	Tetrachloroethene	4.2	5	0.5	PAL
	4/4/2001	Tetrachloroethene	2.2	5	0.5	PAL
	6/14/2001	Tetrachloroethene	2.6	5	0.5	PAL
	10/2/2001	Tetrachloroethene	4.4	5	0.5	PAL
	12/11/2001	Tetrachloroethene	5.7	5	0.5	ES
	3/20/2002	Tetrachloroethene	3.9	5	0.5	PAL
	9/12/2002	Tetrachloroethene	3.8	5	0.5	PAL
	12/17/2002	Tetrachloroethene	6.5	5	0.5	ES
	3/19/2003	Tetrachloroethene	6	5	0.5	ES
	6/12/2003	Tetrachloroethene	3.3	5	0.5	PAL
	9/10/2003	Tetrachloroethene	4.2	5	0.5	PAL
	12/17/2003	Tetrachloroethene	5.6	5	0.5	ES
	1/26/2000	Trichloroethene	29	5	0.5	ES
	3/24/2000	Trichloroethene	29	5	0.5	ES
	6/21/2000	Trichloroethene	27	5	0.5	ES
	9/13/2000	Trichloroethene	27	5	0.5	ES
	12/13/2000	Trichloroethene	25	5	0.5	ES
	4/4/2001	Trichloroethene	19	5	0.5	ES
	6/14/2001	Trichloroethene	21	5	0.5	ES
	10/2/2001	Trichloroethene	22	5	0.5	ES
	12/11/2001	Trichloroethene	27	5	0.5	ES
	3/20/2002	Trichloroethene	21	5	0.5	ES
	6/13/2002	Trichloroethene	11	5	0.5	ES
	9/12/2002	Trichloroethene	21	5	0.5	ES
	12/17/2002	Trichloroethene	29	5	0.5	ES
	3/19/2003	Trichloroethene	24	5	0.5	ES
	6/12/2003	Trichloroethene	17	5	0.5	ES
	9/10/2003	Trichloroethene	18	5	0.5	ES
	12/17/2003	Trichloroethene	20	5	0.5	ES
	1/26/2000	Vinyl chloride	130	0.2	0.02	ES
	3/24/2000	Vinyl chloride	120	0.2	0.02	ES
	6/21/2000	Vinyl chloride	130	0.2	0.02	ES
	9/13/2000	Vinyl chloride	150	0.2	0.02	ES
	12/13/2000	Vinyl chloride	130	0.2	0.02	ES
	4/4/2001	Vinyl chloride	110	0.2	0.02	ES
	6/14/2001	Vinyl chloride	150	0.2	0.02	ES
	10/2/2001	Vinyl chloride	120	0.2	0.02	ES
	12/11/2001	Vinyl chloride	110	0.2	0.02	ES
	3/20/2002	Vinyl chloride	140	0.2	0.02	ES
	6/13/2002	Vinyl chloride	54	0.2	0.02	ES
	9/12/2002	Vinyl chloride	100	0.2	0.02	ES

Well	Date	Compound	Result	ES	PAL	Exceedence
	12/17/2002	Vinyl chloride	47	0.2	0.02	ES
	3/19/2003	Vinyl Chloride	37	0.2	0.02	ES
	6/12/2003	Vinyl Chloride	75	0.2	0.02	ES
	9/10/2003	Vinyl Chloride	75	0.2	0.02	ES
	12/17/2003	Vinyl Chloride	49	0.2	0.02	ES
LH2						
	12/13/2000	1,1-Dichloroethene	0.88	7	0.7	PAL
	1/26/2000	Chloride	150	250	125	PAL
	3/24/2000	Chloride	530	250	125	ES
	6/21/2000	Chloride	500	250	125	ES
	1/26/2000	cis-1,2-Dichloroethene	40	70	7	PAL
	3/24/2000	cis-1,2-Dichloroethene	31	70	7	PAL
	6/21/2000	cis-1,2-Dichloroethene	46	70	7	PAL
	9/13/2000	cis-1,2-Dichloroethene	97	70	7	ES
	12/13/2000	cis-1,2-Dichloroethene	94	70	7	ES
	4/4/2001	cis-1,2-Dichloroethene	58	70	7	PAL
	6/14/2001	cis-1,2-Dichloroethene	54	70	7	PAL
	10/2/2001	cis-1,2-Dichloroethene	62	70	7	PAL
	12/11/2001	cis-1,2-Dichloroethene	73	70	7	ES
	3/20/2002	cis-1,2-Dichloroethene	64	70	7	PAL
	6/13/2002	cis-1,2-Dichloroethene	38	70	7	PAL
	6/13/2002	Iron	890	0.3	0.15	ES
	12/13/2000	Lead - Dissolved	5	15	1.5	PAL
	12/13/2000	Mercury - Dissolved	0.35	2	0.2	PAL
	9/13/2000	Methylene chloride	0.62	5	0.5	PAL
	12/13/2000	Methylene chloride	0.62	5	0.5	PAL
	12/11/2001	Methylene chloride	1.2	5	0.5	PAL
	3/24/2000	Tetrachloroethene	0.75	5	0.5	PAL
	12/13/2000	Tetrachloroethene	1.6	5	0.5	PAL
	12/11/2001	Tetrachloroethene	0.76	5	0.5	PAL
	3/20/2002	Tetrachloroethene	0.63	5	0.5	PAL
	1/26/2000	Trichloroethene	20	5	0.5	ES
	3/24/2000	Trichloroethene	20	5	0.5	ES
	6/21/2000	Trichloroethene	6	5	0.5	ES
	9/13/2000	Trichloroethene	7.6	5	0.5	ES
	12/13/2000	Trichloroethene	13	5	0.5	ES
	4/4/2001	Trichloroethene	7.2	5	0.5	ES
	6/14/2001	Trichloroethene	5.3	5	0.5	ES
	10/2/2001	Trichloroethene	6.7	5	0.5	ES
	12/11/2001	Trichloroethene	8.5	5	0.5	ES
	3/20/2002	Trichloroethene	8.3	5	0.5	ES
	6/13/2002	Trichloroethene	6.3	5	0.5	ES
	1/26/2000	Vinyl chloride	4.9	0.2	0.02	ES
	3/24/2000	Vinyl chloride	6.4	0.2	0.02	ES
	6/21/2000	Vinyl chloride	45	0.2	0.02	ES
	9/13/2000	Vinyl chloride	200	0.2	0.02	ES
	12/13/2000	Vinyl chloride	150	0.2	0.02	ES
	4/4/2001	Vinyl chloride	84	0.2	0.02	ES
	6/14/2001	Vinyl chloride	110	0.2	0.02	ES
	10/2/2001	Vinyl chloride	98	0.2	0.02	ES

Well	Date	Compound	Result	ES	PAL	Exceedence
	12/11/2001	Vinyl chloride	110	0.2	0.02	ES
	3/20/2002	Vinyl chloride	96	0.2	0.02	ES
	6/13/2002	Vinyl chloride	67	0.2	0.02	ES
P2A						
	4/3/2001	1,1-Dichloroethane	89	850	85	PAL
	1/25/2000	Chloride	240	250	125	PAL
	3/24/2000	Chloride	240	250	125	PAL
	6/19/2000	Chloride	220	250	125	PAL
	12/13/2000	Chloride	270	250	125	ES
	4/3/2001	Chloride	300	250	125	ES
	6/13/2001	Chloride	420	250	125	ES
	10/1/2001	Chloride	300	250	125	ES
	12/11/2001	Chloride	310	250	125	ES
	3/19/2002	Chloride	240	250	125	PAL
	6/12/2002	Chloride	270	250	125	ES
	9/11/2002	Chloride	310	250	125	ES
	12/17/2002	Chloride	330	250	125	ES
	3/19/2003	Chloride	380	250	125	ES
	6/11/2003	Chloride	370	250	125	ES
	9/9/2003	Chloride	350	250	125	ES
	12/15/2003	Chloride	370	250	125	ES
	3/24/2000	cis-1,2-Dichloroethene	26	70	7	PAL
	6/19/2000	cis-1,2-Dichloroethene	13	70	7	PAL
	4/3/2001	cis-1,2-Dichloroethene	16	70	7	PAL
	6/13/2001	cis-1,2-Dichloroethene	8.1	70	7	PAL
	12/11/2001	cis-1,2-Dichloroethene	36	70	7	PAL
	6/12/2002	Iron	930	0.3	0.15	ES
	6/13/2001	Methylene chloride	0.72	5	0.5	PAL
	6/11/2003	Methylene Chloride	0.77	5	0.5	PAL
	6/13/2001	Tetrachloroethene	1.1	5	0.5	PAL
	1/25/2000	Trichloroethene	3.8	5	0.5	PAL
	3/24/2000	Trichloroethene	32	5	0.5	ES
	6/19/2000	Trichloroethene	13	5	0.5	ES
	9/12/2000	Trichloroethene	9.9	5	0.5	ES
	12/13/2000	Trichloroethene	6.2	5	0.5	ES
	4/3/2001	Trichloroethene	7.7	5	0.5	ES
	6/13/2001	Trichloroethene	10	5	0.5	ES
	10/1/2001	Trichloroethene	4.6	5	0.5	PAL
	12/11/2001	Trichloroethene	27	5	0.5	ES
	3/19/2002	Trichloroethene	8.5	5	0.5	ES
	6/12/2002	Trichloroethene	4.2	5	0.5	PAL
	9/11/2002	Trichloroethene	8.2	5	0.5	ES
	12/17/2002	Trichloroethene	2.1	5	0.5	PAL
	3/19/2003	Trichloroethene	4	5	0.5	PAL
	6/11/2003	Trichloroethene	1.7	5	0.5	PAL
	9/9/2003	Trichloroethene	8.4	5	0.5	ES
	12/15/2003	Trichloroethene	4.1	5	0.5	PAL
	1/25/2000	Vinyl chloride	1.2	0.2	0.02	ES
	6/19/2000	Vinyl chloride	1	0.2	0.02	ES
	9/12/2000	Vinyl chloride	2.5	0.2	0.02	ES

Well	Date	Compound	Result	ES	PAL	Exceedence
	12/13/2000	Vinyl chloride	2	0.2	0.02	ES
	4/3/2001	Vinyl chloride	1.6	0.2	0.02	ES
	6/13/2001	Vinyl chloride	1.9	0.2	0.02	ES
	10/1/2001	Vinyl chloride	2.2	0.2	0.02	ES
	12/11/2001	Vinyl chloride	15	0.2	0.02	ES
	3/19/2002	Vinyl chloride	0.84	0.2	0.02	ES
	6/12/2002	Vinyl chloride	0.93	0.2	0.02	ES
	9/11/2002	Vinyl chloride	1.9	0.2	0.02	ES
	12/17/2002	Vinyl chloride	1.2	0.2	0.02	ES
	3/19/2003	Vinyl Chloride	1.4	0.2	0.02	ES
	9/9/2003	Vinyl Chloride	1.7	0.2	0.02	ES
	12/15/2003	Vinyl Chloride	1.5	0.2	0.02	ES
P2B						
	3/24/2000	1,1-Dichloroethene	2.9	7	0.7	PAL
	6/19/2000	1,1-Dichloroethene	3	7	0.7	PAL
	12/13/2000	1,1-Dichloroethene	2.2	7	0.7	PAL
	9/9/2003	1,1-Dichloroethene	4.2	7	0.7	PAL
	3/24/2000	Cadmium - Dissolved	1.1	5	0.5	PAL
	9/11/2002	Chloride	140	250	125	PAL
	12/17/2002	Chloride	140	250	125	PAL
	3/19/2003	Chloride	170	250	125	PAL
	6/11/2003	Chloride	150	250	125	PAL
	9/9/2003	Chloride	170	250	125	PAL
	12/15/2003	Chloride	140	250	125	PAL
	1/25/2000	cis-1,2-Dichloroethene	530	70	7	ES
	3/24/2000	cis-1,2-Dichloroethene	470	70	7	ES
	6/19/2000	cis-1,2-Dichloroethene	600	70	7	ES
	9/12/2000	cis-1,2-Dichloroethene	490	70	7	ES
	12/13/2000	cis-1,2-Dichloroethene	570	70	7	ES
	4/3/2001	cis-1,2-Dichloroethene	520	70	7	ES
	6/13/2001	cis-1,2-Dichloroethene	480	70	7	ES
	10/1/2001	cis-1,2-Dichloroethene	470	70	7	ES
	12/11/2001	cis-1,2-Dichloroethene	520	70	7	ES
	3/19/2002	cis-1,2-Dichloroethene	520	70	7	ES
	6/12/2002	cis-1,2-Dichloroethene	440	70	7	ES
	9/11/2002	cis-1,2-Dichloroethene	540	70	7	ES
	12/17/2002	cis-1,2-Dichloroethene	540	70	7	ES
	3/19/2003	cis-1,2-Dichloroethene	530	70	7	ES
	6/11/2003	cis-1,2-Dichloroethene	530	70	7	ES
	9/9/2003	cis-1,2-Dichloroethene	600	70	7	ES
	12/15/2003	cis-1,2-Dichloroethene	400	70	7	ES
	6/12/2002	Iron	190	0.3	0.15	ES
	9/12/2000	trans-1,2-Dichloroethene	21	100	20	PAL
	1/25/2000	Trichloroethene	210	5	0.5	ES
	3/24/2000	Trichloroethene	170	5	0.5	ES
	6/19/2000	Trichloroethene	210	5	0.5	ES
	9/12/2000	Trichloroethene	170	5	0.5	ES
	12/13/2000	Trichloroethene	200	5	0.5	ES
	4/3/2001	Trichloroethene	190	5	0.5	ES
	6/13/2001	Trichloroethene	170	5	0.5	ES

Well	Date	Compound	Result	ES	PAL	Exceedence
	10/1/2001	Trichloroethene	150	5	0.5	ES
	12/11/2001	Trichloroethene	170	5	0.5	ES
	3/19/2002	Trichloroethene	140	5	0.5	ES
	6/12/2002	Trichloroethene	150	5	0.5	ES
	9/11/2002	Trichloroethene	180	5	0.5	ES
	12/17/2002	Trichloroethene	160	5	0.5	ES
	3/19/2003	Trichloroethene	190	5	0.5	ES
	6/11/2003	Trichloroethene	150	5	0.5	ES
	9/9/2003	Trichloroethene	170	5	0.5	ES
	12/15/2003	Trichloroethene	120	5	0.5	ES
	1/25/2000	Vinyl chloride	370	0.2	0.02	ES
	3/24/2000	Vinyl chloride	340	0.2	0.02	ES
	6/19/2000	Vinyl chloride	450	0.2	0.02	ES
	9/12/2000	Vinyl chloride	340	0.2	0.02	ES
	12/13/2000	Vinyl chloride	390	0.2	0.02	ES
	4/3/2001	Vinyl chloride	330	0.2	0.02	ES
	6/13/2001	Vinyl chloride	330	0.2	0.02	ES
	10/1/2001	Vinyl chloride	300	0.2	0.02	ES
	12/11/2001	Vinyl chloride	400	0.2	0.02	ES
	3/19/2002	Vinyl chloride	310	0.2	0.02	ES
	6/12/2002	Vinyl chloride	290	0.2	0.02	ES
	9/11/2002	Vinyl chloride	360	0.2	0.02	ES
	12/17/2002	Vinyl chloride	390	0.2	0.02	ES
	3/19/2003	Vinyl Chloride	250	0.2	0.02	ES
	6/11/2003	Vinyl Chloride	360	0.2	0.02	ES
	9/9/2003	Vinyl Chloride	460	0.2	0.02	ES
	12/15/2003	Vinyl Chloride	290	0.2	0.02	ES
P2BD						
	12/11/2001	Chloride	300	250	125	ES
	9/12/2000	cis-1,2-Dichloroethene	500	70	7	ES
	10/1/2001	cis-1,2-Dichloroethene	440	70	7	ES
	12/11/2001	cis-1,2-Dichloroethene	51	70	7	PAL
	9/12/2000	Trichloroethene	170	5	0.5	ES
	10/1/2001	Trichloroethene	130	5	0.5	ES
	12/11/2001	Trichloroethene	31	5	0.5	ES
	9/12/2000	Vinyl chloride	360	0.2	0.02	ES
	10/1/2001	Vinyl chloride	290	0.2	0.02	ES
	12/11/2001	Vinyl chloride	23	0.2	0.02	ES
P3B						
	1/25/2000	Nitrogen, nitrate	4.6	10	2	PAL
	6/19/2000	Nitrogen, nitrate	4	10	2	PAL
	4/3/2001	Nitrogen, nitrate	4.3	10	2	PAL
	6/13/2001	Nitrogen, nitrate	4.7	10	2	PAL
	3/19/2002	Nitrogen, nitrate	4.1	10	2	PAL
	9/11/2002	Nitrogen, nitrate	4.3	10	2	PAL
	3/19/2003	Nitrogen, Nitrate	4.1	10	2	PAL
	9/9/2003	Nitrogen, Nitrate	4.8	10	2	PAL
	12/15/2003	Nitrogen, Nitrate	4.3	10	2	PAL
	1/25/2000	Tetrachloroethene	1.2	5	0.5	PAL
	3/23/2000	Tetrachloroethene	1.3	5	0.5	PAL

Well	Date	Compound	Result	ES	PAL	Exceedence
	6/19/2000	Tetrachloroethene	1	5	0.5	PAL
	9/12/2000	Tetrachloroethene	1.6	5	0.5	PAL
	12/13/2000	Tetrachloroethene	2.2	5	0.5	PAL
	4/3/2001	Tetrachloroethene	1.6	5	0.5	PAL
	6/13/2001	Tetrachloroethene	2.3	5	0.5	PAL
	10/1/2001	Tetrachloroethene	1.5	5	0.5	PAL
	3/19/2002	Tetrachloroethene	1.7	5	0.5	PAL
	9/11/2002	Tetrachloroethene	1.6	5	0.5	PAL
	3/19/2003	Tetrachloroethene	2	5	0.5	PAL
	9/9/2003	Tetrachloroethene	2.3	5	0.5	PAL
	12/15/2003	Tetrachloroethene	1.7	5	0.5	PAL
	1/25/2000	Trichloroethene	35	5	0.5	ES
	3/23/2000	Trichloroethene	32	5	0.5	ES
	6/19/2000	Trichloroethene	37	5	0.5	ES
	9/12/2000	Trichloroethene	36	5	0.5	ES
	12/13/2000	Trichloroethene	38	5	0.5	ES
	4/3/2001	Trichloroethene	42	5	0.5	ES
	6/13/2001	Trichloroethene	40	5	0.5	ES
	10/1/2001	Trichloroethene	36	5	0.5	ES
	3/19/2002	Trichloroethene	37	5	0.5	ES
	9/11/2002	Trichloroethene	48	5	0.5	ES
	3/19/2003	Trichloroethene	52	5	0.5	ES
	9/9/2003	Trichloroethene	53	5	0.5	ES
	12/15/2003	Trichloroethene	46	5	0.5	ES
P3BD						
	6/19/2000	Nitrogen, nitrate	4	10	2	PAL
	6/13/2001	Nitrogen, nitrate	4.7	10	2	PAL
	6/19/2000	Tetrachloroethene	1	5	0.5	PAL
	6/13/2001	Tetrachloroethene	2.5	5	0.5	PAL
	6/19/2000	Trichloroethene	34	5	0.5	ES
	6/13/2001	Trichloroethene	41	5	0.5	ES
P4B						
	6/12/2002	Iron	170	0.3	0.15	ES
	6/13/2001	Methylene chloride	0.51	5	0.5	PAL
	1/26/2000	Nitrogen, nitrate	4.4	10	2	PAL
	6/19/2000	Nitrogen, nitrate	4	10	2	PAL
	4/3/2001	Nitrogen, nitrate	4.8	10	2	PAL
	6/13/2001	Nitrogen, nitrate	4.7	10	2	PAL
	12/11/2001	Nitrogen, nitrate	5	10	2	PAL
	3/19/2002	Nitrogen, nitrate	3.9	10	2	PAL
	6/12/2002	Nitrogen, nitrate	4.3	10	2	PAL
	9/11/2002	Nitrogen, nitrate	4.2	10	2	PAL
	3/24/2003	Nitrogen, Nitrate	4.3	10	2	PAL
	9/9/2003	Nitrogen, Nitrate	4.3	10	2	PAL
	12/15/2003	Nitrogen, Nitrate	3.9	10	2	PAL
	1/26/2000	Trichloroethene	1.2	5	0.5	PAL
	3/23/2000	Trichloroethene	1.8	5	0.5	PAL
	6/19/2000	Trichloroethene	3	5	0.5	PAL
	9/12/2000	Trichloroethene	5.5	5	0.5	ES
	12/13/2000	Trichloroethene	1.6	5	0.5	PAL

Well	Date	Compound	Result	ES	PAL	Exceedence
	4/3/2001	Trichloroethene	5.7	5	0.5	ES
	6/13/2001	Trichloroethene	3.8	5	0.5	PAL
	10/2/2001	Trichloroethene	1.1	5	0.5	PAL
	12/11/2001	Trichloroethene	4.3	5	0.5	PAL
	3/19/2002	Trichloroethene	3.8	5	0.5	PAL
	9/11/2002	Trichloroethene	2.8	5	0.5	PAL
	12/17/2002	Trichloroethene	2.9	5	0.5	PAL
	3/24/2003	Trichloroethene	0.83	5	0.5	PAL
	6/11/2003	Trichloroethene	4.3	5	0.5	PAL
	9/9/2003	Trichloroethene	2.3	5	0.5	PAL
	12/15/2003	Trichloroethene	4.2	5	0.5	PAL
	6/19/2000	Vinyl chloride	1	0.2	0.02	ES
	9/12/2000	Vinyl chloride	1.9	0.2	0.02	ES
	12/13/2000	Vinyl chloride	0.89	0.2	0.02	ES
	4/3/2001	Vinyl chloride	1.6	0.2	0.02	ES
	6/13/2001	Vinyl chloride	1.2	0.2	0.02	ES
	10/2/2001	Vinyl chloride	0.52	0.2	0.02	ES
	12/11/2001	Vinyl chloride	0.88	0.2	0.02	ES
	3/19/2002	Vinyl chloride	0.88	0.2	0.02	ES
	9/11/2002	Vinyl chloride	0.47	0.2	0.02	ES
	6/11/2003	Vinyl Chloride	1.9	0.2	0.02	ES
	9/9/2003	Vinyl Chloride	0.53	0.2	0.02	ES
	12/15/2003	Vinyl Chloride	1.6	0.2	0.02	ES
P7B						
	6/12/2002	Iron	200	0.3	0.15	ES
	4/5/2001	Nitrogen, nitrate	3.3	10	2	PAL
	6/14/2001	Nitrogen, nitrate	3.4	10	2	PAL
	12/13/2001	Nitrogen, nitrate	3.4	10	2	PAL
	3/20/2002	Nitrogen, nitrate	3.2	10	2	PAL
	6/12/2002	Nitrogen, nitrate	3.2	10	2	PAL
	3/24/2003	Nitrogen, Nitrate	2.9	10	2	PAL
	9/10/2003	Nitrogen, Nitrate	3	10	2	PAL
	12/17/2003	Nitrogen, Nitrate	2.7	10	2	PAL
	3/23/2000	Trichloroethene	0.9	5	0.5	PAL
	6/22/2000	Trichloroethene	1	5	0.5	PAL
	9/14/2000	Trichloroethene	1.1	5	0.5	PAL
	12/13/2000	Trichloroethene	0.75	5	0.5	PAL
	4/5/2001	Trichloroethene	0.9	5	0.5	PAL
	6/14/2001	Trichloroethene	2.4	5	0.5	PAL
	10/4/2001	Trichloroethene	5.5	5	0.5	ES
	12/13/2001	Trichloroethene	4.3	5	0.5	PAL
	3/20/2002	Trichloroethene	5.6	5	0.5	ES
	6/12/2002	Trichloroethene	3.9	5	0.5	PAL
	9/12/2002	Trichloroethene	1.9	5	0.5	PAL
	3/24/2003	Trichloroethene	3.2	5	0.5	PAL
	6/11/2003	Trichloroethene	0.83	5	0.5	PAL
	9/10/2003	Trichloroethene	2.5	5	0.5	PAL
	12/17/2003	Trichloroethene	4.4	5	0.5	PAL
	12/13/2000	Vinyl chloride	0.35	0.2	0.02	ES
	10/4/2001	Vinyl chloride	0.24	0.2	0.02	ES

Well	Date	Compound	Result	ES	PAL	Exceedence
P8A						
	3/23/2000	1,1-Dichloroethene	3.9	7	0.7	PAL
	6/21/2000	1,1-Dichloroethene	4	7	0.7	PAL
	9/13/2000	1,1-Dichloroethene	3.7	7	0.7	PAL
	12/15/2000	1,1-Dichloroethene	3.1	7	0.7	PAL
	4/4/2001	1,1-Dichloroethene	3.9	7	0.7	PAL
	6/14/2001	1,1-Dichloroethene	4.4	7	0.7	PAL
	10/4/2001	1,1-Dichloroethene	4.2	7	0.7	PAL
	12/13/2001	1,1-Dichloroethene	2.8	7	0.7	PAL
	3/20/2002	1,1-Dichloroethene	4.7	7	0.7	PAL
	6/13/2002	1,1-Dichloroethene	3.5	7	0.7	PAL
	9/12/2002	1,1-Dichloroethene	3.9	7	0.7	PAL
	12/17/2002	1,1-Dichloroethene	3.5	7	0.7	PAL
	3/24/2003	1,1-Dichloroethene	3.8	7	0.7	PAL
	6/12/2003	1,1-Dichloroethene	3.1	7	0.7	PAL
	9/10/2003	1,1-Dichloroethene	2.8	7	0.7	PAL
	12/17/2003	1,1-Dichloroethene	2.6	7	0.7	PAL
	3/23/2000	cis-1,2-Dichloroethene	120	70	7	ES
	6/21/2000	cis-1,2-Dichloroethene	140	70	7	ES
	9/13/2000	cis-1,2-Dichloroethene	150	70	7	ES
	12/15/2000	cis-1,2-Dichloroethene	150	70	7	ES
	4/4/2001	cis-1,2-Dichloroethene	160	70	7	ES
	6/14/2001	cis-1,2-Dichloroethene	170	70	7	ES
	10/4/2001	cis-1,2-Dichloroethene	160	70	7	ES
	12/13/2001	cis-1,2-Dichloroethene	98	70	7	ES
	3/20/2002	cis-1,2-Dichloroethene	160	70	7	ES
	6/13/2002	cis-1,2-Dichloroethene	130	70	7	ES
	9/12/2002	cis-1,2-Dichloroethene	160	70	7	ES
	12/17/2002	cis-1,2-Dichloroethene	140	70	7	ES
	3/24/2003	cis-1,2-Dichloroethene	130	70	7	ES
	6/12/2003	cis-1,2-Dichloroethene	130	70	7	ES
	9/10/2003	cis-1,2-Dichloroethene	140	70	7	ES
	12/17/2003	cis-1,2-Dichloroethene	120	70	7	ES
	6/13/2002	Iron	130	0.3	0.15	ES
	3/23/2000	Tetrachloroethene	0.53	5	0.5	PAL
	4/4/2001	Tetrachloroethene	0.91	5	0.5	PAL
	6/14/2001	Tetrachloroethene	1.2	5	0.5	PAL
	10/4/2001	Tetrachloroethene	0.7	5	0.5	PAL
	3/20/2002	Tetrachloroethene	0.6	5	0.5	PAL
	3/24/2003	Tetrachloroethene	0.59	5	0.5	PAL
	3/23/2000	Trichloroethene	69	5	0.5	ES
	6/21/2000	Trichloroethene	76	5	0.5	ES
	9/13/2000	Trichloroethene	88	5	0.5	ES
	12/15/2000	Trichloroethene	93	5	0.5	ES
	4/4/2001	Trichloroethene	90	5	0.5	ES
	6/14/2001	Trichloroethene	90	5	0.5	ES
	10/4/2001	Trichloroethene	73	5	0.5	ES
	12/13/2001	Trichloroethene	42	5	0.5	ES
	3/20/2002	Trichloroethene	72	5	0.5	ES
	6/13/2002	Trichloroethene	69	5	0.5	ES

Well	Date	Compound	Result	ES	PAL	Exceedence
	9/12/2002	Trichloroethene	73	5	0.5	ES
	12/17/2002	Trichloroethene	79	5	0.5	ES
	3/24/2003	Trichloroethene	70	5	0.5	ES
	6/12/2003	Trichloroethene	59	5	0.5	ES
	9/10/2003	Trichloroethene	69	5	0.5	ES
	12/17/2003	Trichloroethene	71	5	0.5	ES
	3/23/2000	Vinyl chloride	37	0.2	0.02	ES
	6/21/2000	Vinyl chloride	28	0.2	0.02	ES
	9/13/2000	Vinyl chloride	11	0.2	0.02	ES
	12/15/2000	Vinyl chloride	14	0.2	0.02	ES
	4/4/2001	Vinyl chloride	23	0.2	0.02	ES
	6/14/2001	Vinyl chloride	28	0.2	0.02	ES
	10/4/2001	Vinyl chloride	35	0.2	0.02	ES
	12/13/2001	Vinyl chloride	27	0.2	0.02	ES
	3/20/2002	Vinyl chloride	46	0.2	0.02	ES
	6/13/2002	Vinyl chloride	33	0.2	0.02	ES
	9/12/2002	Vinyl chloride	37	0.2	0.02	ES
	12/17/2002	Vinyl chloride	28	0.2	0.02	ES
	3/24/2003	Vinyl Chloride	36	0.2	0.02	ES
	6/12/2003	Vinyl Chloride	27	0.2	0.02	ES
	9/10/2003	Vinyl Chloride	25	0.2	0.02	ES
	12/17/2003	Vinyl Chloride	20	0.2	0.02	ES
P8B						
	12/15/2000	1,1-Dichloroethene	0.91	7	0.7	PAL
	4/5/2001	1,1-Dichloroethene	0.91	7	0.7	PAL
	6/14/2001	1,1-Dichloroethene	0.91	7	0.7	PAL
	10/4/2001	1,1-Dichloroethene	1.1	7	0.7	PAL
	12/13/2001	1,1-Dichloroethene	1.1	7	0.7	PAL
	3/20/2002	1,1-Dichloroethene	1.4	7	0.7	PAL
	9/12/2002	1,1-Dichloroethene	1.3	7	0.7	PAL
	3/24/2003	1,1-Dichloroethene	1.4	7	0.7	PAL
	3/23/2000	cis-1,2-Dichloroethene	69	70	7	PAL
	6/22/2000	cis-1,2-Dichloroethene	98	70	7	ES
	9/13/2000	cis-1,2-Dichloroethene	130	70	7	ES
	12/15/2000	cis-1,2-Dichloroethene	130	70	7	ES
	4/5/2001	cis-1,2-Dichloroethene	140	70	7	ES
	6/14/2001	cis-1,2-Dichloroethene	170	70	7	ES
	10/4/2001	cis-1,2-Dichloroethene	180	70	7	ES
	12/13/2001	cis-1,2-Dichloroethene	150	70	7	ES
	3/20/2002	cis-1,2-Dichloroethene	170	70	7	ES
	6/13/2002	cis-1,2-Dichloroethene	180	70	7	ES
	9/12/2002	cis-1,2-Dichloroethene	220	70	7	ES
	12/17/2002	cis-1,2-Dichloroethene	220	70	7	ES
	3/24/2003	cis-1,2-Dichloroethene	190	70	7	ES
	6/12/2003	cis-1,2-Dichloroethene	230	70	7	ES
	9/10/2003	cis-1,2-Dichloroethene	270	70	7	ES
	12/17/2003	cis-1,2-Dichloroethene	220	70	7	ES
	6/13/2002	Iron	450	0.3	0.15	ES
	3/23/2000	Trichloroethene	51	5	0.5	ES
	6/22/2000	Trichloroethene	89	5	0.5	ES

Well	Date	Compound	Result	ES	PAL	Exceedence
	9/13/2000	Trichloroethene	95	5	0.5	ES
	12/15/2000	Trichloroethene	100	5	0.5	ES
	4/5/2001	Trichloroethene	110	5	0.5	ES
	6/14/2001	Trichloroethene	130	5	0.5	ES
	10/4/2001	Trichloroethene	120	5	0.5	ES
	12/13/2001	Trichloroethene	110	5	0.5	ES
	3/20/2002	Trichloroethene	130	5	0.5	ES
	6/13/2002	Trichloroethene	150	5	0.5	ES
	9/12/2002	Trichloroethene	160	5	0.5	ES
	12/17/2002	Trichloroethene	150	5	0.5	ES
	3/24/2003	Trichloroethene	160	5	0.5	ES
	6/12/2003	Trichloroethene	140	5	0.5	ES
	9/10/2003	Trichloroethene	170	5	0.5	ES
	12/17/2003	Trichloroethene	120	5	0.5	ES
	9/13/2000	Vinyl chloride	0.77	0.2	0.02	ES
	12/15/2000	Vinyl chloride	0.66	0.2	0.02	ES
	4/5/2001	Vinyl chloride	0.99	0.2	0.02	ES
	6/14/2001	Vinyl chloride	1.4	0.2	0.02	ES
	10/4/2001	Vinyl chloride	1.8	0.2	0.02	ES
	12/13/2001	Vinyl chloride	3.1	0.2	0.02	ES
	3/20/2002	Vinyl chloride	4.4	0.2	0.02	ES
	6/13/2002	Vinyl chloride	3.1	0.2	0.02	ES
	9/12/2002	Vinyl chloride	8.2	0.2	0.02	ES
	12/17/2002	Vinyl chloride	15	0.2	0.02	ES
	3/24/2003	Vinyl Chloride	12	0.2	0.02	ES
	6/12/2003	Vinyl Chloride	9	0.2	0.02	ES
	9/10/2003	Vinyl Chloride	12	0.2	0.02	ES
	12/17/2003	Vinyl Chloride	21	0.2	0.02	ES
P8BD						
	10/4/2001	1,1-Dichloroethene	1.1	7	0.7	PAL
	6/14/2001	cis-1,2-Dichloroethene	170	70	7	ES
	10/4/2001	cis-1,2-Dichloroethene	170	70	7	ES
	6/14/2001	Trichloroethene	130	5	0.5	ES
	10/4/2001	Trichloroethene	110	5	0.5	ES
	6/14/2001	Vinyl chloride	1.3	0.2	0.02	ES
	10/4/2001	Vinyl chloride	1.6	0.2	0.02	ES
P9B						
	12/15/2000	Methylene chloride	0.57	5	0.5	PAL
	3/23/2000	Trichloroethene	1.2	5	0.5	PAL
	6/21/2000	Trichloroethene	2	5	0.5	PAL
	9/13/2000	Trichloroethene	2.8	5	0.5	PAL
	12/15/2000	Trichloroethene	3.4	5	0.5	PAL
	4/4/2001	Trichloroethene	3.2	5	0.5	PAL
	12/15/2000	Vinyl chloride	0.22	0.2	0.02	ES
	4/4/2001	Vinyl chloride	0.19	0.2	0.02	PAL
P9BD						
	4/4/2001	Trichloroethene	3.3	5	0.5	PAL
PW 717 HC						
	12/5/2002	Methylene chloride	0.58	5	0.5	PAL

Well	Date	Compound	Result	ES	PAL	Exceedence
	6/12/2003	Methylene Chloride	0.62	5	0.5	PAL
PW1716LR						
	6/12/2001	Methylene chloride	0.64	5	0.5	PAL
	6/11/2003	Methylene Chloride	1	5	0.5	PAL

"D" in well name indicates a duplicate sample.

The Exceedence column indicates the standard, either ES or PAL, if the result is above the standard.

Village of Grafton - Lime Kiln Landfill

Detected Compounds and Regulatory Exceedences

January 2000 to December 2003

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
LH1							
	1/26/2000	1,1-Dichloroethane	8.8	ug/L	850	85	
	3/24/2000	1,1-Dichloroethane	8.6	ug/L	850	85	
	6/21/2000	1,1-Dichloroethane	4	ug/L	850	85	
	9/13/2000	1,1-Dichloroethane	6.2	ug/L	850	85	
	12/13/2000	1,1-Dichloroethane	5	ug/L	850	85	
	4/4/2001	1,1-Dichloroethane	3.8	ug/L	850	85	
	6/14/2001	1,1-Dichloroethane	4.9	ug/L	850	85	
	10/2/2001	1,1-Dichloroethane	5.6	ug/L	850	85	
	12/11/2001	1,1-Dichloroethane	7	ug/L	850	85	
	3/20/2002	1,1-Dichloroethane	4.9	ug/L	850	85	
	6/13/2002	1,1-Dichloroethane	25	ug/L	850	85	
	9/12/2002	1,1-Dichloroethane	6.3	ug/L	850	85	
	12/17/2002	1,1-Dichloroethane	7.1	ug/L	850	85	
	3/19/2003	1,1-Dichloroethane	6.7	ug/L	850	85	
	6/12/2003	1,1-Dichloroethane	5	ug/L	850	85	
	9/10/2003	1,1-Dichloroethane	4.3	ug/L	850	85	
	12/17/2003	1,1-Dichloroethane	5.4	ug/L	850	85	
	1/26/2000	1,1-Dichloroethene	1.3	ug/L	7	0.7	PAL
	3/24/2000	1,1-Dichloroethene	1.6	ug/L	7	0.7	PAL
	6/21/2000	1,1-Dichloroethene	1	ug/L	7	0.7	PAL
	9/13/2000	1,1-Dichloroethene	1.5	ug/L	7	0.7	PAL
	12/13/2000	1,1-Dichloroethene	1.3	ug/L	7	0.7	PAL
	4/4/2001	1,1-Dichloroethene	1.1	ug/L	7	0.7	PAL
	6/14/2001	1,1-Dichloroethene	1.4	ug/L	7	0.7	PAL
	10/2/2001	1,1-Dichloroethene	1.2	ug/L	7	0.7	PAL
	12/11/2001	1,1-Dichloroethene	1.4	ug/L	7	0.7	PAL
	3/20/2002	1,1-Dichloroethene	1.2	ug/L	7	0.7	PAL
	9/12/2002	1,1-Dichloroethene	0.8	ug/L	7	0.7	PAL
	12/17/2002	1,1-Dichloroethene	0.89	ug/L	7	0.7	PAL
	3/19/2003	1,1-Dichloroethene	0.95	ug/L	7	0.7	PAL
	12/17/2003	1,1-Dichloroethene	0.64	ug/L	7	0.7	
	6/12/2003	2-Butanone	5.7	ug/L	460	90	
	12/13/2000	Acetone	7.6	ug/L	1000	200	
	6/14/2001	Acetone	4.7	ug/L	1000	200	
	10/2/2001	Acetone	6.2	ug/L	1000	200	
	12/11/2001	Acetone	13	ug/L	1000	200	
	3/20/2002	Acetone	12	ug/L	1000	200	
	9/12/2002	Acetone	8.3	ug/L	1000	200	
	12/17/2002	Acetone	20	ug/L	1000	200	
	6/12/2003	Acetone	3.2	ug/L	1000	200	
	12/17/2003	Acetone	9.5	ug/L	1000	200	
	1/26/2000	Alkalinity as CaCO3	390	mg/L			
	6/21/2000	Alkalinity as CaCO3	370	mg/L			

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	12/13/2000	Alkalinity as CaCO3	350	mg/L			
	6/21/2000	Arsenic - Dissolved	1	ug/L	50	5	
	12/13/2000	Arsenic - Dissolved	0.87	ug/L	50	5	
	1/26/2000	Barium - Dissolved	47	ug/L	2000	400	
	3/24/2000	Barium - Dissolved	47	ug/L	2000	400	
	6/21/2000	Barium - Dissolved	40	ug/L	2000	400	
	12/13/2000	Barium - Dissolved	31	ug/L	2000	400	
	9/13/2000	Benzene	0.31	ug/L	5	0.5	
	9/12/2002	Benzene	0.51	ug/L	5	0.5	PAL
	1/26/2000	Chloride	120	mg/L	250	125	
	3/24/2000	Chloride	140	mg/L	250	125	PAL
	6/21/2000	Chloride	130	mg/L	250	125	PAL
	12/13/2000	Chloride	130	mg/L	250	125	PAL
	4/4/2001	Chloride	110	mg/L	250	125	
	6/14/2001	Chloride	15	mg/L	250	125	
	10/2/2001	Chloride	120	mg/L	250	125	
	12/11/2001	Chloride	130	mg/L	250	125	PAL
	3/20/2002	Chloride	110	mg/L	250	125	
	6/13/2002	Chloride	110	mg/L	250	125	
	9/12/2002	Chloride	120	mg/L	250	125	
	12/17/2002	Chloride	110	mg/L	250	125	
	3/19/2003	Chloride	130	mg/L	250	125	PAL
	6/12/2003	Chloride	110	mg/L	250	125	
	9/10/2003	Chloride	140	mg/L	250	125	PAL
	12/17/2003	Chloride	120	mg/L	250	125	
	3/24/2000	Chloroethane	2	ug/L	400	80	
	6/21/2000	Chloroethane	1	ug/L	400	80	
	9/13/2000	Chloroethane	2.5	ug/L	400	80	
	12/13/2000	Chloroethane	2.3	ug/L	400	80	
	4/4/2001	Chloroethane	1.8	ug/L	400	80	
	6/14/2001	Chloroethane	2.2	ug/L	400	80	
	10/2/2001	Chloroethane	1.1	ug/L	400	80	
	3/20/2002	Chloroethane	1.7	ug/L	400	80	
	12/13/2000	Chromium - Dissolved	0.37	ug/L	100	10	
	1/26/2000	cis-1,2-Dichloroethene	120	ug/L	70	7	ES
	3/24/2000	cis-1,2-Dichloroethene	110	ug/L	70	7	ES
	6/21/2000	cis-1,2-Dichloroethene	120	ug/L	70	7	ES
	9/13/2000	cis-1,2-Dichloroethene	140	ug/L	70	7	ES
	12/13/2000	cis-1,2-Dichloroethene	120	ug/L	70	7	ES
	4/4/2001	cis-1,2-Dichloroethene	100	ug/L	70	7	ES
	6/14/2001	cis-1,2-Dichloroethene	120	ug/L	70	7	ES
	10/2/2001	cis-1,2-Dichloroethene	110	ug/L	70	7	ES
	12/11/2001	cis-1,2-Dichloroethene	110	ug/L	70	7	ES
	3/20/2002	cis-1,2-Dichloroethene	99	ug/L	70	7	ES
	6/13/2002	cis-1,2-Dichloroethene	44	ug/L	70	7	PAL
	9/12/2002	cis-1,2-Dichloroethene	97	ug/L	70	7	ES
	12/17/2002	cis-1,2-Dichloroethene	77	ug/L	70	7	ES
	3/19/2003	cis-1,2-Dichloroethene	70	ug/L	70	7	PAL
	6/12/2003	cis-1,2-Dichloroethene	84	ug/L	70	7	ES
	9/10/2003	cis-1,2-Dichloroethene	85	ug/L	70	7	ES

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	12/17/2003	cis-1,2-Dichloroethene	66	ug/L	70	7	PAL
	1/26/2000	Ethane	5.2	ug/l			
	3/24/2000	Ethane	3.7	ug/l			
	6/13/2002	Iron	390	ug/L	0.3	0.15	ES
	1/26/2000	Mercury - Dissolved	0.28	ug/L	2	0.2	PAL
	3/24/2000	Mercury - Dissolved	0.55	ug/L	2	0.2	PAL
	12/13/2000	Mercury - Dissolved	0.54	ug/L	2	0.2	PAL
	6/21/2000	Methylene chloride	1	ug/L	5	0.5	PAL
	9/13/2000	Methylene chloride	0.39	ug/L	5	0.5	
	12/13/2000	Methylene chloride	0.71	ug/L	5	0.5	PAL
	12/11/2001	Methylene chloride	1	ug/L	5	0.5	PAL
	6/12/2003	Methylene Chloride	0.62	ug/L	5	0.5	PAL
	1/26/2000	Nitrogen, nitrate	1.5	mg/L	10	2	
	3/24/2000	Nitrogen, nitrate	1.8	mg/L	10	2	
	6/21/2000	Nitrogen, nitrate	1	mg/L	10	2	
	4/4/2001	Nitrogen, nitrate	0.85	mg/L	10	2	
	6/14/2001	Nitrogen, nitrate	0.79	mg/L	10	2	
	12/11/2001	Nitrogen, nitrate	1.5	mg/L	10	2	
	3/20/2002	Nitrogen, nitrate	1.3	mg/L	10	2	
	6/13/2002	Nitrogen, nitrate	0.89	mg/L	10	2	
	3/19/2003	Nitrogen, Nitrate	2.5	mg/L	10	2	PAL
	9/10/2003	Nitrogen, Nitrate	2.1	mg/L	10	2	PAL
	12/17/2003	Nitrogen, Nitrate	2.8	mg/L	10	2	PAL
	6/21/2000	Selenium - Dissolved	7	ug/L	50	10	
	12/13/2000	Selenium - Dissolved	5	ug/L	50	10	
	1/26/2000	Tetrachloroethene	4.4	ug/L	5	0.5	PAL
	3/24/2000	Tetrachloroethene	6.5	ug/L	5	0.5	ES
	6/21/2000	Tetrachloroethene	3	ug/L	5	0.5	PAL
	9/13/2000	Tetrachloroethene	3.7	ug/L	5	0.5	PAL
	12/13/2000	Tetrachloroethene	4.2	ug/L	5	0.5	PAL
	4/4/2001	Tetrachloroethene	2.2	ug/L	5	0.5	PAL
	6/14/2001	Tetrachloroethene	2.6	ug/L	5	0.5	PAL
	10/2/2001	Tetrachloroethene	4.4	ug/L	5	0.5	PAL
	12/11/2001	Tetrachloroethene	5.7	ug/L	5	0.5	ES
	3/20/2002	Tetrachloroethene	3.9	ug/L	5	0.5	PAL
	9/12/2002	Tetrachloroethene	3.8	ug/L	5	0.5	PAL
	12/17/2002	Tetrachloroethene	6.5	ug/L	5	0.5	ES
	3/19/2003	Tetrachloroethene	6	ug/L	5	0.5	ES
	6/12/2003	Tetrachloroethene	3.3	ug/L	5	0.5	PAL
	9/10/2003	Tetrachloroethene	4.2	ug/L	5	0.5	PAL
	12/17/2003	Tetrachloroethene	5.6	ug/L	5	0.5	ES
	12/13/2000	Toluene	0.42	ug/L	1000	200	
	12/13/2000	Toluene	0.42	ug/L	1000	200	
	4/4/2001	Toluene	0.35	ug/L	1000	200	
	4/4/2001	Toluene	0.35	ug/L	1000	200	
	6/14/2001	Toluene	0.27	ug/L	1000	200	
	6/14/2001	Toluene	0.27	ug/L	1000	200	
	1/26/2000	trans-1,2-Dichloroethene	5.1	ug/L	100	20	
	3/24/2000	trans-1,2-Dichloroethene	4.9	ug/L	100	20	
	6/21/2000	trans-1,2-Dichloroethene	5	ug/L	100	20	

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	9/13/2000	trans-1,2-Dichloroethene	4.8	ug/L	100	20	
	12/13/2000	trans-1,2-Dichloroethene	5.1	ug/L	100	20	
	4/4/2001	trans-1,2-Dichloroethene	4.7	ug/L	100	20	
	6/14/2001	trans-1,2-Dichloroethene	5.3	ug/L	100	20	
	10/2/2001	trans-1,2-Dichloroethene	4.7	ug/L	100	20	
	12/11/2001	trans-1,2-Dichloroethene	5.6	ug/L	100	20	
	3/20/2002	trans-1,2-Dichloroethene	4.8	ug/L	100	20	
	6/13/2002	trans-1,2-Dichloroethene	3.1	ug/L	100	20	
	9/12/2002	trans-1,2-Dichloroethene	4	ug/L	100	20	
	12/17/2002	trans-1,2-Dichloroethene	7	ug/L	100	20	
	3/19/2003	trans-1,2-Dichloroethene	2.5	ug/L	100	20	
	6/12/2003	trans-1,2-Dichloroethene	3.9	ug/L	100	20	
	9/10/2003	trans-1,2-Dichloroethene	3.4	ug/L	100	20	
	12/17/2003	trans-1,2-Dichloroethene	3.1	ug/L	100	20	
	1/26/2000	Trichloroethene	29	ug/L	5	0.5	ES
	3/24/2000	Trichloroethene	29	ug/L	5	0.5	ES
	6/21/2000	Trichloroethene	27	ug/L	5	0.5	ES
	9/13/2000	Trichloroethene	27	ug/L	5	0.5	ES
	12/13/2000	Trichloroethene	25	ug/L	5	0.5	ES
	4/4/2001	Trichloroethene	19	ug/L	5	0.5	ES
	6/14/2001	Trichloroethene	21	ug/L	5	0.5	ES
	10/2/2001	Trichloroethene	22	ug/L	5	0.5	ES
	12/11/2001	Trichloroethene	27	ug/L	5	0.5	ES
	3/20/2002	Trichloroethene	21	ug/L	5	0.5	ES
	6/13/2002	Trichloroethene	11	ug/L	5	0.5	ES
	9/12/2002	Trichloroethene	21	ug/L	5	0.5	ES
	12/17/2002	Trichloroethene	29	ug/L	5	0.5	ES
	3/19/2003	Trichloroethene	24	ug/L	5	0.5	ES
	6/12/2003	Trichloroethene	17	ug/L	5	0.5	ES
	9/10/2003	Trichloroethene	18	ug/L	5	0.5	ES
	12/17/2003	Trichloroethene	20	ug/L	5	0.5	ES
	1/26/2000	Vinyl chloride	130	ug/L	0.2	0.02	ES
	3/24/2000	Vinyl chloride	120	ug/L	0.2	0.02	ES
	6/21/2000	Vinyl chloride	130	ug/L	0.2	0.02	ES
	9/13/2000	Vinyl chloride	150	ug/L	0.2	0.02	ES
	12/13/2000	Vinyl chloride	130	ug/L	0.2	0.02	ES
	4/4/2001	Vinyl chloride	110	ug/L	0.2	0.02	ES
	6/14/2001	Vinyl chloride	150	ug/L	0.2	0.02	ES
	10/2/2001	Vinyl chloride	120	ug/L	0.2	0.02	ES
	12/11/2001	Vinyl chloride	110	ug/L	0.2	0.02	ES
	3/20/2002	Vinyl chloride	140	ug/L	0.2	0.02	ES
	6/13/2002	Vinyl chloride	54	ug/L	0.2	0.02	ES
	9/12/2002	Vinyl chloride	100	ug/L	0.2	0.02	ES
	12/17/2002	Vinyl chloride	47	ug/L	0.2	0.02	ES
	3/19/2003	Vinyl Chloride	37	ug/L	0.2	0.02	ES
	6/12/2003	Vinyl Chloride	75	ug/L	0.2	0.02	ES
	9/10/2003	Vinyl Chloride	75	ug/L	0.2	0.02	ES
	12/17/2003	Vinyl Chloride	49	ug/L	0.2	0.02	ES
LH2							
	1/26/2000	1,1,1-Trichloroethane	0.82	ug/L	200	40	

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	3/24/2000	1,1,1-Trichloroethane	1.5	ug/L	200	40	
	1/26/2000	1,1-Dichloroethane	84	ug/L	850	85	
	3/24/2000	1,1-Dichloroethane	80	ug/L	850	85	
	6/21/2000	1,1-Dichloroethane	63	ug/L	850	85	
	9/13/2000	1,1-Dichloroethane	4.8	ug/L	850	85	
	12/13/2000	1,1-Dichloroethane	5.1	ug/L	850	85	
	4/4/2001	1,1-Dichloroethane	4.7	ug/L	850	85	
	6/14/2001	1,1-Dichloroethane	12	ug/L	850	85	
	10/2/2001	1,1-Dichloroethane	19	ug/L	850	85	
	12/11/2001	1,1-Dichloroethane	14	ug/L	850	85	
	3/20/2002	1,1-Dichloroethane	15	ug/L	850	85	
	6/13/2002	1,1-Dichloroethane	12	ug/L	850	85	
	12/13/2000	1,1-Dichloroethene	0.88	ug/L	7	0.7	PAL
	1/26/2000	Alkalinity as CaCO3	240	mg/L			
	6/21/2000	Alkalinity as CaCO3	190	mg/L			
	12/13/2000	Alkalinity as CaCO3	76	mg/L			
	6/21/2000	Arsenic - Dissolved	2	ug/L	50	5	
	12/13/2000	Arsenic - Dissolved	0.53	ug/L	50	5	
	1/26/2000	Barium - Dissolved	44	ug/L	2000	400	
	3/24/2000	Barium - Dissolved	40	ug/L	2000	400	
	6/21/2000	Barium - Dissolved	21	ug/L	2000	400	
	12/13/2000	Barium - Dissolved	28	ug/L	2000	400	
	1/26/2000	Chloride	150	mg/L	250	125	PAL
	3/24/2000	Chloride	530	mg/L	250	125	ES
	6/21/2000	Chloride	500	mg/L	250	125	ES
	12/13/2000	Chloride	96	mg/L	250	125	
	4/4/2001	Chloride	59	mg/L	250	125	
	6/14/2001	Chloride	48	mg/L	250	125	
	10/2/2001	Chloride	63	mg/L	250	125	
	12/11/2001	Chloride	83	mg/L	250	125	
	3/20/2002	Chloride	61	mg/L	250	125	
	6/13/2002	Chloride	52	mg/L	250	125	
	6/21/2000	Chloroethane	1	ug/L	400	80	
	9/13/2000	Chloroethane	4.8	ug/L	400	80	
	12/13/2000	Chloroethane	3.1	ug/L	400	80	
	4/4/2001	Chloroethane	2.6	ug/L	400	80	
	6/14/2001	Chloroethane	3	ug/L	400	80	
	10/2/2001	Chloroethane	1.7	ug/L	400	80	
	12/11/2001	Chloroethane	1.2	ug/L	400	80	
	3/20/2002	Chloroethane	1.4	ug/L	400	80	
	1/26/2000	Chromium - Dissolved	1.2	ug/L	100	10	
	3/24/2000	Chromium - Dissolved	1.2	ug/L	100	10	
	6/21/2000	Chromium - Dissolved	1	ug/L	100	10	
	12/13/2000	Chromium - Dissolved	0.87	ug/L	100	10	
	1/26/2000	cis-1,2-Dichloroethene	40	ug/L	70	7	PAL
	3/24/2000	cis-1,2-Dichloroethene	31	ug/L	70	7	PAL
	6/21/2000	cis-1,2-Dichloroethene	46	ug/L	70	7	PAL
	9/13/2000	cis-1,2-Dichloroethene	97	ug/L	70	7	ES
	12/13/2000	cis-1,2-Dichloroethene	94	ug/L	70	7	ES
	4/4/2001	cis-1,2-Dichloroethene	58	ug/L	70	7	PAL

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	6/14/2001	cis-1,2-Dichloroethene	54	ug/L	70	7	PAL
	10/2/2001	cis-1,2-Dichloroethene	62	ug/L	70	7	PAL
	12/11/2001	cis-1,2-Dichloroethene	73	ug/L	70	7	ES
	3/20/2002	cis-1,2-Dichloroethene	64	ug/L	70	7	PAL
	6/13/2002	cis-1,2-Dichloroethene	38	ug/L	70	7	PAL
	6/21/2000	Ethane	46	ug/l			
	6/13/2002	Iron	890	ug/L	0.3	0.15	ES
	12/13/2000	Lead - Dissolved	5	ug/L	15	1.5	PAL
	12/13/2000	Mercury - Dissolved	0.35	ug/L	2	0.2	PAL
	9/13/2000	Methylene chloride	0.62	ug/L	5	0.5	PAL
	12/13/2000	Methylene chloride	0.62	ug/L	5	0.5	PAL
	12/11/2001	Methylene chloride	1.2	ug/L	5	0.5	PAL
	1/26/2000	Nitrogen, nitrate	0.6	mg/L	10	2	
	3/24/2000	Nitrogen, nitrate	0.42	mg/L	10	2	
	4/4/2001	Nitrogen, nitrate	0.76	mg/L	10	2	
	6/14/2001	Nitrogen, nitrate	0.65	mg/L	10	2	
	12/11/2001	Nitrogen, nitrate	1.2	mg/L	10	2	
	3/20/2002	Nitrogen, nitrate	1.2	mg/L	10	2	
	6/13/2002	Nitrogen, nitrate	0.82	mg/L	10	2	
	6/21/2000	Selenium - Dissolved	7	ug/L	50	10	
	12/13/2000	Selenium - Dissolved	3.1	ug/L	50	10	
	3/24/2000	Tetrachloroethene	0.75	ug/L	5	0.5	PAL
	12/13/2000	Tetrachloroethene	1.6	ug/L	5	0.5	PAL
	12/11/2001	Tetrachloroethene	0.76	ug/L	5	0.5	PAL
	3/20/2002	Tetrachloroethene	0.63	ug/L	5	0.5	PAL
	12/13/2000	Toluene	0.23	ug/L	1000	200	
	12/13/2000	Toluene	0.23	ug/L	1000	200	
	4/4/2001	Toluene	0.19	ug/L	1000	200	
	4/4/2001	Toluene	0.19	ug/L	1000	200	
	1/26/2000	trans-1,2-Dichloroethene	1.6	ug/L	100	20	
	3/24/2000	trans-1,2-Dichloroethene	2.3	ug/L	100	20	
	6/21/2000	trans-1,2-Dichloroethene	1	ug/L	100	20	
	9/13/2000	trans-1,2-Dichloroethene	4.4	ug/L	100	20	
	12/13/2000	trans-1,2-Dichloroethene	4.6	ug/L	100	20	
	4/4/2001	trans-1,2-Dichloroethene	3.6	ug/L	100	20	
	6/14/2001	trans-1,2-Dichloroethene	3.3	ug/L	100	20	
	10/2/2001	trans-1,2-Dichloroethene	3.2	ug/L	100	20	
	12/11/2001	trans-1,2-Dichloroethene	4.8	ug/L	100	20	
	3/20/2002	trans-1,2-Dichloroethene	3.7	ug/L	100	20	
	6/13/2002	trans-1,2-Dichloroethene	3	ug/L	100	20	
	1/26/2000	Trichloroethene	20	ug/L	5	0.5	ES
	3/24/2000	Trichloroethene	20	ug/L	5	0.5	ES
	6/21/2000	Trichloroethene	6	ug/L	5	0.5	ES
	9/13/2000	Trichloroethene	7.6	ug/L	5	0.5	ES
	12/13/2000	Trichloroethene	13	ug/L	5	0.5	ES
	4/4/2001	Trichloroethene	7.2	ug/L	5	0.5	ES
	6/14/2001	Trichloroethene	5.3	ug/L	5	0.5	ES
	10/2/2001	Trichloroethene	6.7	ug/L	5	0.5	ES
	12/11/2001	Trichloroethene	8.5	ug/L	5	0.5	ES
	3/20/2002	Trichloroethene	8.3	ug/L	5	0.5	ES

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	6/13/2002	Trichloroethene	6.3	ug/L	5	0.5	ES
	1/26/2000	Vinyl chloride	4.9	ug/L	0.2	0.02	ES
	3/24/2000	Vinyl chloride	6.4	ug/L	0.2	0.02	ES
	6/21/2000	Vinyl chloride	45	ug/L	0.2	0.02	ES
	9/13/2000	Vinyl chloride	200	ug/L	0.2	0.02	ES
	12/13/2000	Vinyl chloride	150	ug/L	0.2	0.02	ES
	4/4/2001	Vinyl chloride	84	ug/L	0.2	0.02	ES
	6/14/2001	Vinyl chloride	110	ug/L	0.2	0.02	ES
	10/2/2001	Vinyl chloride	98	ug/L	0.2	0.02	ES
	12/11/2001	Vinyl chloride	110	ug/L	0.2	0.02	ES
	3/20/2002	Vinyl chloride	96	ug/L	0.2	0.02	ES
	6/13/2002	Vinyl chloride	67	ug/L	0.2	0.02	ES
P2A							
	3/24/2000	1,1,1-Trichloroethane	1.2	ug/L	200	40	
	6/19/2000	1,1,1-Trichloroethane	3	ug/L	200	40	
	9/12/2000	1,1,1-Trichloroethane	1.1	ug/L	200	40	
	12/13/2000	1,1,1-Trichloroethane	0.56	ug/L	200	40	
	4/3/2001	1,1,1-Trichloroethane	6.9	ug/L	200	40	
	6/13/2001	1,1,1-Trichloroethane	1.8	ug/L	200	40	
	9/11/2002	1,1,1-Trichloroethane	0.65	ug/L	200	40	
	1/25/2000	1,1-Dichloroethane	24	ug/L	850	85	
	3/24/2000	1,1-Dichloroethane	15	ug/L	850	85	
	6/19/2000	1,1-Dichloroethane	55	ug/L	850	85	
	9/12/2000	1,1-Dichloroethane	37	ug/L	850	85	
	12/13/2000	1,1-Dichloroethane	27	ug/L	850	85	
	4/3/2001	1,1-Dichloroethane	89	ug/L	850	85	PAL
	6/13/2001	1,1-Dichloroethane	40	ug/L	850	85	
	10/1/2001	1,1-Dichloroethane	29	ug/L	850	85	
	12/11/2001	1,1-Dichloroethane	28	ug/L	850	85	
	3/19/2002	1,1-Dichloroethane	21	ug/L	850	85	
	6/12/2002	1,1-Dichloroethane	17	ug/L	850	85	
	9/11/2002	1,1-Dichloroethane	24	ug/L	850	85	
	12/17/2002	1,1-Dichloroethane	24	ug/L	850	85	
	3/19/2003	1,1-Dichloroethane	13	ug/L	850	85	
	6/11/2003	1,1-Dichloroethane	15	ug/L	850	85	
	9/9/2003	1,1-Dichloroethane	21	ug/L	850	85	
	12/15/2003	1,1-Dichloroethane	21	ug/L	850	85	
	1/25/2000	Alkalinity as CaCO3	480	mg/L			
	6/19/2000	Alkalinity as CaCO3	480	mg/L			
	12/13/2000	Alkalinity as CaCO3	500	mg/L			
	6/19/2000	Arsenic - Dissolved	1	ug/L	50	5	
	12/13/2000	Arsenic - Dissolved	2.3	ug/L	50	5	
	1/25/2000	Barium - Dissolved	47	ug/L	2000	400	
	3/24/2000	Barium - Dissolved	43	ug/L	2000	400	
	6/19/2000	Barium - Dissolved	54	ug/L	2000	400	
	12/13/2000	Barium - Dissolved	54	ug/L	2000	400	
	1/25/2000	Chloride	240	mg/L	250	125	PAL
	3/24/2000	Chloride	240	mg/L	250	125	PAL
	6/19/2000	Chloride	220	mg/L	250	125	PAL
	12/13/2000	Chloride	270	mg/L	250	125	ES

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	4/3/2001	Chloride	300	mg/L	250	125	ES
	6/13/2001	Chloride	420	mg/L	250	125	ES
	10/1/2001	Chloride	300	mg/L	250	125	ES
	12/11/2001	Chloride	310	mg/L	250	125	ES
	3/19/2002	Chloride	240	mg/L	250	125	PAL
	6/12/2002	Chloride	270	mg/L	250	125	ES
	9/11/2002	Chloride	310	mg/L	250	125	ES
	12/17/2002	Chloride	330	mg/L	250	125	ES
	3/19/2003	Chloride	380	mg/L	250	125	ES
	6/11/2003	Chloride	370	mg/L	250	125	ES
	9/9/2003	Chloride	350	mg/L	250	125	ES
	12/15/2003	Chloride	370	mg/L	250	125	ES
	4/3/2001	Chloroethane	2	ug/L	400	80	
	1/25/2000	Chromium - Dissolved	0.62	ug/L	100	10	
	3/24/2000	Chromium - Dissolved	0.89	ug/L	100	10	
	12/13/2000	Chromium - Dissolved	1.2	ug/L	100	10	
	1/25/2000	cis-1,2-Dichloroethene	2	ug/L	70	7	
	3/24/2000	cis-1,2-Dichloroethene	26	ug/L	70	7	PAL
	6/19/2000	cis-1,2-Dichloroethene	13	ug/L	70	7	PAL
	9/12/2000	cis-1,2-Dichloroethene	5.8	ug/L	70	7	
	12/13/2000	cis-1,2-Dichloroethene	3.1	ug/L	70	7	
	4/3/2001	cis-1,2-Dichloroethene	16	ug/L	70	7	PAL
	6/13/2001	cis-1,2-Dichloroethene	8.1	ug/L	70	7	PAL
	10/1/2001	cis-1,2-Dichloroethene	4.8	ug/L	70	7	
	12/11/2001	cis-1,2-Dichloroethene	36	ug/L	70	7	PAL
	3/19/2002	cis-1,2-Dichloroethene	1.4	ug/L	70	7	
	6/12/2002	cis-1,2-Dichloroethene	3.4	ug/L	70	7	
	9/11/2002	cis-1,2-Dichloroethene	3.6	ug/L	70	7	
	12/17/2002	cis-1,2-Dichloroethene	2	ug/L	70	7	
	3/19/2003	cis-1,2-Dichloroethene	0.84	ug/L	70	7	
	6/11/2003	cis-1,2-Dichloroethene	1.3	ug/L	70	7	
	9/9/2003	cis-1,2-Dichloroethene	2.4	ug/L	70	7	
	12/15/2003	cis-1,2-Dichloroethene	1.2	ug/L	70	7	
	6/12/2002	Iron	930	ug/L	0.3	0.15	ES
	12/13/2000	Lead - Dissolved	0.49	ug/L	15	1.5	
	12/13/2000	Methylene chloride	0.5	ug/L	5	0.5	
	6/13/2001	Methylene chloride	0.72	ug/L	5	0.5	PAL
	6/11/2003	Methylene Chloride	0.77	ug/L	5	0.5	PAL
	4/3/2001	Nitrogen, nitrate	0.52	mg/L	10	2	
	6/13/2001	Nitrogen, nitrate	0.18	mg/L	10	2	
	3/19/2002	Nitrogen, nitrate	0.21	mg/L	10	2	
	6/12/2002	Nitrogen, nitrate	0.36	mg/L	10	2	
	12/15/2003	Nitrogen, Nitrate	0.51	mg/L	10	2	
	6/19/2000	Selenium - Dissolved	1	ug/L	50	10	
	12/13/2000	Selenium - Dissolved	1.2	ug/L	50	10	
	6/13/2001	Tetrachloroethene	1.1	ug/L	5	0.5	PAL
	1/25/2000	trans-1,2-Dichloroethene	3.5	ug/L	100	20	
	3/24/2000	trans-1,2-Dichloroethene	2.6	ug/L	100	20	
	6/19/2000	trans-1,2-Dichloroethene	3	ug/L	100	20	
	9/12/2000	trans-1,2-Dichloroethene	5.8	ug/L	100	20	

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	12/13/2000	trans-1,2-Dichloroethene	5.1	ug/L	100	20	
	4/3/2001	trans-1,2-Dichloroethene	2.1	ug/L	100	20	
	6/13/2001	trans-1,2-Dichloroethene	3	ug/L	100	20	
	10/1/2001	trans-1,2-Dichloroethene	6.1	ug/L	100	20	
	12/11/2001	trans-1,2-Dichloroethene	7.3	ug/L	100	20	
	3/19/2002	trans-1,2-Dichloroethene	1.6	ug/L	100	20	
	9/11/2002	trans-1,2-Dichloroethene	4.9	ug/L	100	20	
	12/17/2002	trans-1,2-Dichloroethene	7.8	ug/L	100	20	
	3/19/2003	trans-1,2-Dichloroethene	1.7	ug/L	100	20	
	6/11/2003	trans-1,2-Dichloroethene	1.7	ug/L	100	20	
	9/9/2003	trans-1,2-Dichloroethene	3.5	ug/L	100	20	
	12/15/2003	trans-1,2-Dichloroethene	2.6	ug/L	100	20	
	1/25/2000	Trichloroethene	3.8	ug/L	5	0.5	PAL
	3/24/2000	Trichloroethene	32	ug/L	5	0.5	ES
	6/19/2000	Trichloroethene	13	ug/L	5	0.5	ES
	9/12/2000	Trichloroethene	9.9	ug/L	5	0.5	ES
	12/13/2000	Trichloroethene	6.2	ug/L	5	0.5	ES
	4/3/2001	Trichloroethene	7.7	ug/L	5	0.5	ES
	6/13/2001	Trichloroethene	10	ug/L	5	0.5	ES
	10/1/2001	Trichloroethene	4.6	ug/L	5	0.5	PAL
	12/11/2001	Trichloroethene	27	ug/L	5	0.5	ES
	3/19/2002	Trichloroethene	8.5	ug/L	5	0.5	ES
	6/12/2002	Trichloroethene	4.2	ug/L	5	0.5	PAL
	9/11/2002	Trichloroethene	8.2	ug/L	5	0.5	ES
	12/17/2002	Trichloroethene	2.1	ug/L	5	0.5	PAL
	3/19/2003	Trichloroethene	4	ug/L	5	0.5	PAL
	6/11/2003	Trichloroethene	1.7	ug/L	5	0.5	PAL
	9/9/2003	Trichloroethene	8.4	ug/L	5	0.5	ES
	12/15/2003	Trichloroethene	4.1	ug/L	5	0.5	PAL
	1/25/2000	Vinyl chloride	1.2	ug/L	0.2	0.02	ES
	6/19/2000	Vinyl chloride	1	ug/L	0.2	0.02	ES
	9/12/2000	Vinyl chloride	2.5	ug/L	0.2	0.02	ES
	12/13/2000	Vinyl chloride	2	ug/L	0.2	0.02	ES
	4/3/2001	Vinyl chloride	1.6	ug/L	0.2	0.02	ES
	6/13/2001	Vinyl chloride	1.9	ug/L	0.2	0.02	ES
	10/1/2001	Vinyl chloride	2.2	ug/L	0.2	0.02	ES
	12/11/2001	Vinyl chloride	15	ug/L	0.2	0.02	ES
	3/19/2002	Vinyl chloride	0.84	ug/L	0.2	0.02	ES
	6/12/2002	Vinyl chloride	0.93	ug/L	0.2	0.02	ES
	9/11/2002	Vinyl chloride	1.9	ug/L	0.2	0.02	ES
	12/17/2002	Vinyl chloride	1.2	ug/L	0.2	0.02	ES
	3/19/2003	Vinyl Chloride	1.4	ug/L	0.2	0.02	ES
	9/9/2003	Vinyl Chloride	1.7	ug/L	0.2	0.02	ES
	12/15/2003	Vinyl Chloride	1.5	ug/L	0.2	0.02	ES
P2B							
	1/25/2000	1,1,1-Trichloroethane	3.1	ug/L	200	40	
	3/24/2000	1,1,1-Trichloroethane	4.8	ug/L	200	40	
	12/13/2000	1,1,1-Trichloroethane	3.2	ug/L	200	40	
	4/3/2001	1,1,1-Trichloroethane	2.5	ug/L	200	40	
	6/13/2001	1,1,1-Trichloroethane	2.4	ug/L	200	40	

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	1/25/2000	1,1-Dichloroethane	22	ug/L	850	85	
	3/24/2000	1,1-Dichloroethane	26	ug/L	850	85	
	6/19/2000	1,1-Dichloroethane	25	ug/L	850	85	
	9/12/2000	1,1-Dichloroethane	24	ug/L	850	85	
	12/13/2000	1,1-Dichloroethane	22	ug/L	850	85	
	4/3/2001	1,1-Dichloroethane	19	ug/L	850	85	
	6/13/2001	1,1-Dichloroethane	18	ug/L	850	85	
	10/1/2001	1,1-Dichloroethane	16	ug/L	850	85	
	12/11/2001	1,1-Dichloroethane	18	ug/L	850	85	
	3/19/2002	1,1-Dichloroethane	18	ug/L	850	85	
	6/12/2002	1,1-Dichloroethane	14	ug/L	850	85	
	9/11/2002	1,1-Dichloroethane	19	ug/L	850	85	
	12/17/2002	1,1-Dichloroethane	23	ug/L	850	85	
	3/19/2003	1,1-Dichloroethane	20	ug/L	850	85	
	6/11/2003	1,1-Dichloroethane	25	ug/L	850	85	
	9/9/2003	1,1-Dichloroethane	26	ug/L	850	85	
	12/15/2003	1,1-Dichloroethane	17	ug/L	850	85	
	3/24/2000	1,1-Dichloroethene	2.9	ug/L	7	0.7	PAL
	6/19/2000	1,1-Dichloroethene	3	ug/L	7	0.7	PAL
	12/13/2000	1,1-Dichloroethene	2.2	ug/L	7	0.7	PAL
	9/9/2003	1,1-Dichloroethene	4.2	ug/L	7	0.7	PAL
	1/25/2000	Alkalinity as CaCO3	390	mg/L			
	6/19/2000	Alkalinity as CaCO3	360	mg/L			
	12/13/2000	Alkalinity as CaCO3	390	mg/L			
	6/19/2000	Arsenic - Dissolved	1	ug/L	50	5	
	12/13/2000	Arsenic - Dissolved	1.2	ug/L	50	5	
	1/25/2000	Barium - Dissolved	77	ug/L	2000	400	
	3/24/2000	Barium - Dissolved	72	ug/L	2000	400	
	6/19/2000	Barium - Dissolved	67	ug/L	2000	400	
	12/13/2000	Barium - Dissolved	70	ug/L	2000	400	
	3/24/2000	Cadmium - Dissolved	1.1	ug/L	5	0.5	PAL
	1/25/2000	Chloride	93	mg/L	250	125	
	3/24/2000	Chloride	110	mg/L	250	125	
	6/19/2000	Chloride	97	mg/L	250	125	
	12/13/2000	Chloride	99	mg/L	250	125	
	4/3/2001	Chloride	100	mg/L	250	125	
	6/13/2001	Chloride	90	mg/L	250	125	
	10/1/2001	Chloride	88	mg/L	250	125	
	12/11/2001	Chloride	110	mg/L	250	125	
	3/19/2002	Chloride	110	mg/L	250	125	
	6/12/2002	Chloride	120	mg/L	250	125	
	9/11/2002	Chloride	140	mg/L	250	125	PAL
	12/17/2002	Chloride	140	mg/L	250	125	PAL
	3/19/2003	Chloride	170	mg/L	250	125	PAL
	6/11/2003	Chloride	150	mg/L	250	125	PAL
	9/9/2003	Chloride	170	mg/L	250	125	PAL
	12/15/2003	Chloride	140	mg/L	250	125	PAL
	3/24/2000	Chloroethane	15	ug/L	400	80	
	6/19/2000	Chloroethane	17	ug/L	400	80	
	9/12/2000	Chloroethane	14	ug/L	400	80	

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	12/13/2000	Chloroethane	13	ug/L	400	80	
	4/3/2001	Chloroethane	10	ug/L	400	80	
	6/13/2001	Chloroethane	8.5	ug/L	400	80	
	10/1/2001	Chloroethane	7.9	ug/L	400	80	
	12/11/2001	Chloroethane	11	ug/L	400	80	
	3/19/2002	Chloroethane	8.3	ug/L	400	80	
	9/11/2002	Chloroethane	9.4	ug/L	400	80	
	9/9/2003	Chloroethane	7.4	ug/L	400	80	
	12/15/2003	Chloroethane	7.1	ug/L	400	80	
	1/25/2000	Chromium - Dissolved	1.6	ug/L	100	10	
	3/24/2000	Chromium - Dissolved	1.7	ug/L	100	10	
	12/13/2000	Chromium - Dissolved	0.64	ug/L	100	10	
	1/25/2000	cis-1,2-Dichloroethene	530	ug/L	70	7	ES
	3/24/2000	cis-1,2-Dichloroethene	470	ug/L	70	7	ES
	6/19/2000	cis-1,2-Dichloroethene	600	ug/L	70	7	ES
	9/12/2000	cis-1,2-Dichloroethene	490	ug/L	70	7	ES
	12/13/2000	cis-1,2-Dichloroethene	570	ug/L	70	7	ES
	4/3/2001	cis-1,2-Dichloroethene	520	ug/L	70	7	ES
	6/13/2001	cis-1,2-Dichloroethene	480	ug/L	70	7	ES
	10/1/2001	cis-1,2-Dichloroethene	470	ug/L	70	7	ES
	12/11/2001	cis-1,2-Dichloroethene	520	ug/L	70	7	ES
	3/19/2002	cis-1,2-Dichloroethene	520	ug/L	70	7	ES
	6/12/2002	cis-1,2-Dichloroethene	440	ug/L	70	7	ES
	9/11/2002	cis-1,2-Dichloroethene	540	ug/L	70	7	ES
	12/17/2002	cis-1,2-Dichloroethene	540	ug/L	70	7	ES
	3/19/2003	cis-1,2-Dichloroethene	530	ug/L	70	7	ES
	6/11/2003	cis-1,2-Dichloroethene	530	ug/L	70	7	ES
	9/9/2003	cis-1,2-Dichloroethene	600	ug/L	70	7	ES
	12/15/2003	cis-1,2-Dichloroethene	400	ug/L	70	7	ES
	1/25/2000	Ethane	23	ug/l			
	3/24/2000	Ethane	24	ug/l			
	6/19/2000	Ethane	24	ug/l			
	12/13/2000	Ethane	22	ug/l			
	4/3/2001	Ethane	16	ug/l			
	6/13/2001	Ethane	12	ug/l			
	10/1/2001	Ethane	15	ug/l			
	12/11/2001	Ethane	18	ug/l			
	3/19/2002	Ethane	17	ug/l			
	6/12/2002	Ethane	11	ug/l			
	9/11/2002	Ethane	15	ug/l			
	12/17/2002	Ethane	12	ug/l			
	3/19/2003	Ethane	18	ug/l			
	6/11/2003	Ethane	16	ug/l			
	9/9/2003	Ethane	15	ug/l			
	1/25/2000	Ethene	6.4	ug/l			
	3/24/2000	Ethene	7.7	ug/l			
	3/19/2003	Ethene	11	ug/l			
	6/12/2002	Iron	190	ug/L	0.3	0.15	ES
	1/25/2000	Nitrogen, nitrate	0.15	mg/L	10	2	
	3/24/2000	Nitrogen, nitrate	0.13	mg/L	10	2	

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	4/3/2001	Nitrogen, nitrate	0.2	mg/L	10	2	
	6/13/2001	Nitrogen, nitrate	0.22	mg/L	10	2	
	12/11/2001	Nitrogen, nitrate	0.17	mg/L	10	2	
	3/19/2002	Nitrogen, nitrate	0.21	mg/L	10	2	
	6/12/2002	Nitrogen, nitrate	0.24	mg/L	10	2	
	3/19/2003	Nitrogen, Nitrate	0.59	mg/L	10	2	
	9/9/2003	Nitrogen, Nitrate	0.1	mg/L	10	2	
	12/15/2003	Nitrogen, Nitrate	0.47	mg/L	10	2	
	12/15/2003	Redox Potential	21	mV			
	6/19/2000	Selenium - Dissolved	1	ug/L	50	10	
	12/13/2000	Selenium - Dissolved	0.62	ug/L	50	10	
	4/3/2001	Toluene	1.4	ug/L	1000	200	
	4/3/2001	Toluene	1.4	ug/L	1000	200	
	1/25/2000	trans-1,2-Dichloroethene	9.8	ug/L	100	20	
	3/24/2000	trans-1,2-Dichloroethene	12	ug/L	100	20	
	6/19/2000	trans-1,2-Dichloroethene	12	ug/L	100	20	
	9/12/2000	trans-1,2-Dichloroethene	21	ug/L	100	20	PAL
	12/13/2000	trans-1,2-Dichloroethene	15	ug/L	100	20	
	4/3/2001	trans-1,2-Dichloroethene	15	ug/L	100	20	
	6/13/2001	trans-1,2-Dichloroethene	9.8	ug/L	100	20	
	10/1/2001	trans-1,2-Dichloroethene	9.2	ug/L	100	20	
	12/11/2001	trans-1,2-Dichloroethene	13	ug/L	100	20	
	3/19/2002	trans-1,2-Dichloroethene	9.4	ug/L	100	20	
	6/12/2002	trans-1,2-Dichloroethene	11	ug/L	100	20	
	9/11/2002	trans-1,2-Dichloroethene	9.2	ug/L	100	20	
	12/17/2002	trans-1,2-Dichloroethene	7.8	ug/L	100	20	
	3/19/2003	trans-1,2-Dichloroethene	9.8	ug/L	100	20	
	6/11/2003	trans-1,2-Dichloroethene	10	ug/L	100	20	
	9/9/2003	trans-1,2-Dichloroethene	11	ug/L	100	20	
	12/15/2003	trans-1,2-Dichloroethene	6.1	ug/L	100	20	
	1/25/2000	Trichloroethene	210	ug/L	5	0.5	ES
	3/24/2000	Trichloroethene	170	ug/L	5	0.5	ES
	6/19/2000	Trichloroethene	210	ug/L	5	0.5	ES
	9/12/2000	Trichloroethene	170	ug/L	5	0.5	ES
	12/13/2000	Trichloroethene	200	ug/L	5	0.5	ES
	4/3/2001	Trichloroethene	190	ug/L	5	0.5	ES
	6/13/2001	Trichloroethene	170	ug/L	5	0.5	ES
	10/1/2001	Trichloroethene	150	ug/L	5	0.5	ES
	12/11/2001	Trichloroethene	170	ug/L	5	0.5	ES
	3/19/2002	Trichloroethene	140	ug/L	5	0.5	ES
	6/12/2002	Trichloroethene	150	ug/L	5	0.5	ES
	9/11/2002	Trichloroethene	180	ug/L	5	0.5	ES
	12/17/2002	Trichloroethene	160	ug/L	5	0.5	ES
	3/19/2003	Trichloroethene	190	ug/L	5	0.5	ES
	6/11/2003	Trichloroethene	150	ug/L	5	0.5	ES
	9/9/2003	Trichloroethene	170	ug/L	5	0.5	ES
	12/15/2003	Trichloroethene	120	ug/L	5	0.5	ES
	1/25/2000	Vinyl chloride	370	ug/L	0.2	0.02	ES
	3/24/2000	Vinyl chloride	340	ug/L	0.2	0.02	ES
	6/19/2000	Vinyl chloride	450	ug/L	0.2	0.02	ES

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	9/12/2000	Vinyl chloride	340	ug/L	0.2	0.02	ES
	12/13/2000	Vinyl chloride	390	ug/L	0.2	0.02	ES
	4/3/2001	Vinyl chloride	330	ug/L	0.2	0.02	ES
	6/13/2001	Vinyl chloride	330	ug/L	0.2	0.02	ES
	10/1/2001	Vinyl chloride	300	ug/L	0.2	0.02	ES
	12/11/2001	Vinyl chloride	400	ug/L	0.2	0.02	ES
	3/19/2002	Vinyl chloride	310	ug/L	0.2	0.02	ES
	6/12/2002	Vinyl chloride	290	ug/L	0.2	0.02	ES
	9/11/2002	Vinyl chloride	360	ug/L	0.2	0.02	ES
	12/17/2002	Vinyl chloride	390	ug/L	0.2	0.02	ES
	3/19/2003	Vinyl Chloride	250	ug/L	0.2	0.02	ES
	6/11/2003	Vinyl Chloride	360	ug/L	0.2	0.02	ES
	9/9/2003	Vinyl Chloride	460	ug/L	0.2	0.02	ES
	12/15/2003	Vinyl Chloride	290	ug/L	0.2	0.02	ES
P2BD							
	9/12/2000	1,1-Dichloroethane	23	ug/L	850	85	
	10/1/2001	1,1-Dichloroethane	16	ug/L	850	85	
	12/11/2001	1,1-Dichloroethane	28	ug/L	850	85	
	10/1/2001	Chloride	85	mg/L	250	125	
	12/11/2001	Chloride	300	mg/L	250	125	ES
	9/12/2000	Chloroethane	17	ug/L	400	80	
	10/1/2001	Chloroethane	7.9	ug/L	400	80	
	9/12/2000	cis-1,2-Dichloroethene	500	ug/L	70	7	ES
	10/1/2001	cis-1,2-Dichloroethene	440	ug/L	70	7	ES
	12/11/2001	cis-1,2-Dichloroethene	51	ug/L	70	7	PAL
	10/1/2001	Ethane	17	ug/l			
	9/12/2000	trans-1,2-Dichloroethene	14	ug/L	100	20	
	10/1/2001	trans-1,2-Dichloroethene	8.2	ug/L	100	20	
	12/11/2001	trans-1,2-Dichloroethene	7	ug/L	100	20	
	9/12/2000	Trichloroethene	170	ug/L	5	0.5	ES
	10/1/2001	Trichloroethene	130	ug/L	5	0.5	ES
	12/11/2001	Trichloroethene	31	ug/L	5	0.5	ES
	9/12/2000	Vinyl chloride	360	ug/L	0.2	0.02	ES
	10/1/2001	Vinyl chloride	290	ug/L	0.2	0.02	ES
	12/11/2001	Vinyl chloride	23	ug/L	0.2	0.02	ES
P3B							
	1/25/2000	Alkalinity as CaCO3	290	mg/L			
	6/19/2000	Alkalinity as CaCO3	260	mg/L			
	12/13/2000	Alkalinity as CaCO3	280	mg/L			
	12/13/2000	Arsenic - Dissolved	0.38	ug/L	50	5	
	1/25/2000	Barium - Dissolved	44	ug/L	2000	400	
	3/23/2000	Barium - Dissolved	45	ug/L	2000	400	
	6/19/2000	Barium - Dissolved	42	ug/L	2000	400	
	12/13/2000	Barium - Dissolved	43	ug/L	2000	400	
	1/25/2000	Chloride	21	mg/L	250	125	
	6/19/2000	Chloride	24	mg/L	250	125	
	12/13/2000	Chloride	24	mg/L	250	125	
	4/3/2001	Chloride	25	mg/L	250	125	
	6/13/2001	Chloride	28	mg/L	250	125	
	10/1/2001	Chloride	26	mg/L	250	125	

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	3/19/2002	Chloride	29	mg/L	250	125	
	9/11/2002	Chloride	31	mg/L	250	125	
	3/19/2003	Chloride	32	mg/L	250	125	
	9/9/2003	Chloride	36	mg/L	250	125	
	12/15/2003	Chloride	33	mg/L	250	125	
	1/25/2000	Chromium - Dissolved	1	ug/L	100	10	
	3/23/2000	Chromium - Dissolved	0.56	ug/L	100	10	
	12/13/2000	Chromium - Dissolved	0.51	ug/L	100	10	
	3/23/2000	cis-1,2-Dichloroethene	0.48	ug/L	70	7	
	12/13/2000	Methylene chloride	0.4	ug/L	5	0.5	
	1/25/2000	Nitrogen, nitrate	4.6	mg/L	10	2	PAL
	6/19/2000	Nitrogen, nitrate	4	mg/L	10	2	PAL
	4/3/2001	Nitrogen, nitrate	4.3	mg/L	10	2	PAL
	6/13/2001	Nitrogen, nitrate	4.7	mg/L	10	2	PAL
	3/19/2002	Nitrogen, nitrate	4.1	mg/L	10	2	PAL
	9/11/2002	Nitrogen, nitrate	4.3	mg/L	10	2	PAL
	3/19/2003	Nitrogen, Nitrate	4.1	mg/L	10	2	PAL
	9/9/2003	Nitrogen, Nitrate	4.8	mg/L	10	2	PAL
	12/15/2003	Nitrogen, Nitrate	4.3	mg/L	10	2	PAL
	12/15/2003	Redox Potential	99	mV			
	6/19/2000	Selenium - Dissolved	2	ug/L	50	10	
	12/13/2000	Selenium - Dissolved	1.6	ug/L	50	10	
	1/25/2000	Tetrachloroethene	1.2	ug/L	5	0.5	PAL
	3/23/2000	Tetrachloroethene	1.3	ug/L	5	0.5	PAL
	6/19/2000	Tetrachloroethene	1	ug/L	5	0.5	PAL
	9/12/2000	Tetrachloroethene	1.6	ug/L	5	0.5	PAL
	12/13/2000	Tetrachloroethene	2.2	ug/L	5	0.5	PAL
	4/3/2001	Tetrachloroethene	1.6	ug/L	5	0.5	PAL
	6/13/2001	Tetrachloroethene	2.3	ug/L	5	0.5	PAL
	10/1/2001	Tetrachloroethene	1.5	ug/L	5	0.5	PAL
	3/19/2002	Tetrachloroethene	1.7	ug/L	5	0.5	PAL
	9/11/2002	Tetrachloroethene	1.6	ug/L	5	0.5	PAL
	3/19/2003	Tetrachloroethene	2	ug/L	5	0.5	PAL
	9/9/2003	Tetrachloroethene	2.3	ug/L	5	0.5	PAL
	12/15/2003	Tetrachloroethene	1.7	ug/L	5	0.5	PAL
	1/25/2000	Trichloroethene	35	ug/L	5	0.5	ES
	3/23/2000	Trichloroethene	32	ug/L	5	0.5	ES
	6/19/2000	Trichloroethene	37	ug/L	5	0.5	ES
	9/12/2000	Trichloroethene	36	ug/L	5	0.5	ES
	12/13/2000	Trichloroethene	38	ug/L	5	0.5	ES
	4/3/2001	Trichloroethene	42	ug/L	5	0.5	ES
	6/13/2001	Trichloroethene	40	ug/L	5	0.5	ES
	10/1/2001	Trichloroethene	36	ug/L	5	0.5	ES
	3/19/2002	Trichloroethene	37	ug/L	5	0.5	ES
	9/11/2002	Trichloroethene	48	ug/L	5	0.5	ES
	3/19/2003	Trichloroethene	52	ug/L	5	0.5	ES
	9/9/2003	Trichloroethene	53	ug/L	5	0.5	ES
	12/15/2003	Trichloroethene	46	ug/L	5	0.5	ES
P3BD							
	6/19/2000	Alkalinity as CaCO3	290	mg/L			

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	6/19/2000	Barium - Dissolved	42	ug/L	2000	400	
	6/19/2000	Chloride	24	mg/L	250	125	
	6/13/2001	Chloride	28	mg/L	250	125	
	6/13/2001	Methylene chloride	0.42	ug/L	5	0.5	
	6/19/2000	Nitrogen, nitrate	4	mg/L	10	2	PAL
	6/13/2001	Nitrogen, nitrate	4.7	mg/L	10	2	PAL
	6/19/2000	Selenium - Dissolved	1	ug/L	50	10	
	6/19/2000	Tetrachloroethene	1	ug/L	5	0.5	PAL
	6/13/2001	Tetrachloroethene	2.5	ug/L	5	0.5	PAL
	6/19/2000	Trichloroethene	34	ug/L	5	0.5	ES
	6/13/2001	Trichloroethene	41	ug/L	5	0.5	ES
P4B							
	1/26/2000	Alkalinity as CaCO3	350	mg/L			
	6/19/2000	Alkalinity as CaCO3	310	mg/L			
	12/13/2000	Alkalinity as CaCO3	350	mg/L			
	12/13/2000	Arsenic - Dissolved	0.62	ug/L	50	5	
	1/26/2000	Barium - Dissolved	46	ug/L	2000	400	
	3/23/2000	Barium - Dissolved	45	ug/L	2000	400	
	6/19/2000	Barium - Dissolved	44	ug/L	2000	400	
	12/13/2000	Barium - Dissolved	44	ug/L	2000	400	
	1/26/2000	Chloride	32	mg/L	250	125	
	6/19/2000	Chloride	37	mg/L	250	125	
	12/13/2000	Chloride	42	mg/L	250	125	
	4/3/2001	Chloride	49	mg/L	250	125	
	6/13/2001	Chloride	44	mg/L	250	125	
	10/2/2001	Chloride	47	mg/L	250	125	
	12/11/2001	Chloride	47	mg/L	250	125	
	3/19/2002	Chloride	42	mg/L	250	125	
	6/12/2002	Chloride	48	mg/L	250	125	
	9/11/2002	Chloride	50	mg/L	250	125	
	12/17/2002	Chloride	45	mg/L	250	125	
	3/24/2003	Chloride	49	mg/L	250	125	
	6/11/2003	Chloride	55	mg/L	250	125	
	9/9/2003	Chloride	52	mg/L	250	125	
	12/15/2003	Chloride	54	mg/L	250	125	
	1/26/2000	Chromium - Dissolved	1	ug/L	100	10	
	3/23/2000	Chromium - Dissolved	0.95	ug/L	100	10	
	12/13/2000	Chromium - Dissolved	0.73	ug/L	100	10	
	1/26/2000	cis-1,2-Dichloroethene	0.95	ug/L	70	7	
	3/23/2000	cis-1,2-Dichloroethene	0.66	ug/L	70	7	
	6/19/2000	cis-1,2-Dichloroethene	2	ug/L	70	7	
	9/12/2000	cis-1,2-Dichloroethene	4.2	ug/L	70	7	
	12/13/2000	cis-1,2-Dichloroethene	1.2	ug/L	70	7	
	4/3/2001	cis-1,2-Dichloroethene	3.9	ug/L	70	7	
	6/13/2001	cis-1,2-Dichloroethene	2.6	ug/L	70	7	
	10/2/2001	cis-1,2-Dichloroethene	1.2	ug/L	70	7	
	12/11/2001	cis-1,2-Dichloroethene	2.9	ug/L	70	7	
	3/19/2002	cis-1,2-Dichloroethene	3	ug/L	70	7	
	9/11/2002	cis-1,2-Dichloroethene	1.5	ug/L	70	7	
	12/17/2002	cis-1,2-Dichloroethene	1.7	ug/L	70	7	

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	3/24/2003	cis-1,2-Dichloroethene	0.94	ug/L	70	7	
	6/11/2003	cis-1,2-Dichloroethene	3.7	ug/L	70	7	
	9/9/2003	cis-1,2-Dichloroethene	1.6	ug/L	70	7	
	12/15/2003	cis-1,2-Dichloroethene	4.2	ug/L	70	7	
	6/12/2002	Iron	170	ug/L	0.3	0.15	ES
	6/13/2001	Methylene chloride	0.51	ug/L	5	0.5	PAL
	1/26/2000	Nitrogen, nitrate	4.4	mg/L	10	2	PAL
	6/19/2000	Nitrogen, nitrate	4	mg/L	10	2	PAL
	4/3/2001	Nitrogen, nitrate	4.8	mg/L	10	2	PAL
	6/13/2001	Nitrogen, nitrate	4.7	mg/L	10	2	PAL
	12/11/2001	Nitrogen, nitrate	5	mg/L	10	2	PAL
	3/19/2002	Nitrogen, nitrate	3.9	mg/L	10	2	PAL
	6/12/2002	Nitrogen, nitrate	4.3	mg/L	10	2	PAL
	9/11/2002	Nitrogen, nitrate	4.2	mg/L	10	2	PAL
	3/24/2003	Nitrogen, Nitrate	4.3	mg/L	10	2	PAL
	9/9/2003	Nitrogen, Nitrate	4.3	mg/L	10	2	PAL
	12/15/2003	Nitrogen, Nitrate	3.9	mg/L	10	2	PAL
	12/15/2003	Redox Potential	67	mV			
	6/19/2000	Selenium - Dissolved	2	ug/L	50	10	
	12/13/2000	Selenium - Dissolved	1.4	ug/L	50	10	
	1/26/2000	Trichloroethene	1.2	ug/L	5	0.5	PAL
	3/23/2000	Trichloroethene	1.8	ug/L	5	0.5	PAL
	6/19/2000	Trichloroethene	3	ug/L	5	0.5	PAL
	9/12/2000	Trichloroethene	5.5	ug/L	5	0.5	ES
	12/13/2000	Trichloroethene	1.6	ug/L	5	0.5	PAL
	4/3/2001	Trichloroethene	5.7	ug/L	5	0.5	ES
	6/13/2001	Trichloroethene	3.8	ug/L	5	0.5	PAL
	10/2/2001	Trichloroethene	1.1	ug/L	5	0.5	PAL
	12/11/2001	Trichloroethene	4.3	ug/L	5	0.5	PAL
	3/19/2002	Trichloroethene	3.8	ug/L	5	0.5	PAL
	9/11/2002	Trichloroethene	2.8	ug/L	5	0.5	PAL
	12/17/2002	Trichloroethene	2.9	ug/L	5	0.5	PAL
	3/24/2003	Trichloroethene	0.83	ug/L	5	0.5	PAL
	6/11/2003	Trichloroethene	4.3	ug/L	5	0.5	PAL
	9/9/2003	Trichloroethene	2.3	ug/L	5	0.5	PAL
	12/15/2003	Trichloroethene	4.2	ug/L	5	0.5	PAL
	6/19/2000	Vinyl chloride	1	ug/L	0.2	0.02	ES
	9/12/2000	Vinyl chloride	1.9	ug/L	0.2	0.02	ES
	12/13/2000	Vinyl chloride	0.89	ug/L	0.2	0.02	ES
	4/3/2001	Vinyl chloride	1.6	ug/L	0.2	0.02	ES
	6/13/2001	Vinyl chloride	1.2	ug/L	0.2	0.02	ES
	10/2/2001	Vinyl chloride	0.52	ug/L	0.2	0.02	ES
	12/11/2001	Vinyl chloride	0.88	ug/L	0.2	0.02	ES
	3/19/2002	Vinyl chloride	0.88	ug/L	0.2	0.02	ES
	9/11/2002	Vinyl chloride	0.47	ug/L	0.2	0.02	ES
	6/11/2003	Vinyl Chloride	1.9	ug/L	0.2	0.02	ES
	9/9/2003	Vinyl Chloride	0.53	ug/L	0.2	0.02	ES
	12/15/2003	Vinyl Chloride	1.6	ug/L	0.2	0.02	ES
P7B							
	6/22/2000	Alkalinity as CaCO3	390	mg/L			

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	12/13/2000	Alkalinity as CaCO3	390	mg/L			
	12/13/2000	Arsenic - Dissolved	0.33	ug/L	50	5	
	3/23/2000	Barium - Dissolved	83	ug/L	2000	400	
	6/22/2000	Barium - Dissolved	52	ug/L	2000	400	
	12/13/2000	Barium - Dissolved	46	ug/L	2000	400	
	6/22/2000	Chloride	6	mg/L	250	125	
	12/13/2000	Chloride	7.3	mg/L	250	125	
	4/5/2001	Chloride	7.2	mg/L	250	125	
	6/14/2001	Chloride	7.5	mg/L	250	125	
	10/4/2001	Chloride	5.8	mg/L	250	125	
	12/13/2001	Chloride	7.3	mg/L	250	125	
	3/20/2002	Chloride	6.9	mg/L	250	125	
	6/12/2002	Chloride	7.4	mg/L	250	125	
	9/12/2002	Chloride	7.3	mg/L	250	125	
	12/5/2002	Chloride	6.5	mg/L	250	125	
	3/24/2003	Chloride	6.8	mg/L	250	125	
	6/11/2003	Chloride	8.1	mg/L	250	125	
	9/10/2003	Chloride	7.4	mg/L	250	125	
	12/17/2003	Chloride	6.6	mg/L	250	125	
	12/13/2000	Chromium - Dissolved	0.37	ug/L	100	10	
	9/14/2000	cis-1,2-Dichloroethene	0.58	ug/L	70	7	
	12/13/2000	cis-1,2-Dichloroethene	0.53	ug/L	70	7	
	4/5/2001	cis-1,2-Dichloroethene	0.61	ug/L	70	7	
	6/14/2001	cis-1,2-Dichloroethene	0.88	ug/L	70	7	
	10/4/2001	cis-1,2-Dichloroethene	2.3	ug/L	70	7	
	12/13/2001	cis-1,2-Dichloroethene	1.6	ug/L	70	7	
	3/20/2002	cis-1,2-Dichloroethene	2.2	ug/L	70	7	
	6/12/2002	cis-1,2-Dichloroethene	2.5	ug/L	70	7	
	3/24/2003	cis-1,2-Dichloroethene	0.99	ug/L	70	7	
	12/17/2003	cis-1,2-Dichloroethene	2	ug/L	70	7	
	6/12/2002	Iron	200	ug/L	0.3	0.15	ES
	4/5/2001	Nitrogen, nitrate	3.3	mg/L	10	2	PAL
	6/14/2001	Nitrogen, nitrate	3.4	mg/L	10	2	PAL
	12/13/2001	Nitrogen, nitrate	3.4	mg/L	10	2	PAL
	3/20/2002	Nitrogen, nitrate	3.2	mg/L	10	2	PAL
	6/12/2002	Nitrogen, nitrate	3.2	mg/L	10	2	PAL
	3/24/2003	Nitrogen, Nitrate	2.9	mg/L	10	2	PAL
	9/10/2003	Nitrogen, Nitrate	3	mg/L	10	2	PAL
	12/17/2003	Nitrogen, Nitrate	2.7	mg/L	10	2	PAL
	12/17/2003	Redox Potential	102	mV			
	6/22/2000	Selenium - Dissolved	1	ug/L	50	10	
	12/13/2000	Selenium - Dissolved	0.98	ug/L	50	10	
	3/23/2000	Trichloroethene	0.9	ug/L	5	0.5	PAL
	6/22/2000	Trichloroethene	1	ug/L	5	0.5	PAL
	9/14/2000	Trichloroethene	1.1	ug/L	5	0.5	PAL
	12/13/2000	Trichloroethene	0.75	ug/L	5	0.5	PAL
	4/5/2001	Trichloroethene	0.9	ug/L	5	0.5	PAL
	6/14/2001	Trichloroethene	2.4	ug/L	5	0.5	PAL
	10/4/2001	Trichloroethene	5.5	ug/L	5	0.5	ES
	12/13/2001	Trichloroethene	4.3	ug/L	5	0.5	PAL

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	3/20/2002	Trichloroethene	5.6	ug/L	5	0.5	ES
	6/12/2002	Trichloroethene	3.9	ug/L	5	0.5	PAL
	9/12/2002	Trichloroethene	1.9	ug/L	5	0.5	PAL
	3/24/2003	Trichloroethene	3.2	ug/L	5	0.5	PAL
	6/11/2003	Trichloroethene	0.83	ug/L	5	0.5	PAL
	9/10/2003	Trichloroethene	2.5	ug/L	5	0.5	PAL
	12/17/2003	Trichloroethene	4.4	ug/L	5	0.5	PAL
	12/13/2000	Vinyl chloride	0.35	ug/L	0.2	0.02	ES
	10/4/2001	Vinyl chloride	0.24	ug/L	0.2	0.02	ES
P8A							
	3/23/2000	1,1,1-Trichloroethane	12	ug/L	200	40	
	6/21/2000	1,1,1-Trichloroethane	10	ug/L	200	40	
	9/13/2000	1,1,1-Trichloroethane	13	ug/L	200	40	
	12/15/2000	1,1,1-Trichloroethane	12	ug/L	200	40	
	4/4/2001	1,1,1-Trichloroethane	14	ug/L	200	40	
	6/14/2001	1,1,1-Trichloroethane	15	ug/L	200	40	
	10/4/2001	1,1,1-Trichloroethane	14	ug/L	200	40	
	12/13/2001	1,1,1-Trichloroethane	8.2	ug/L	200	40	
	3/20/2002	1,1,1-Trichloroethane	13	ug/L	200	40	
	6/13/2002	1,1,1-Trichloroethane	12	ug/L	200	40	
	9/12/2002	1,1,1-Trichloroethane	14	ug/L	200	40	
	12/17/2002	1,1,1-Trichloroethane	16	ug/L	200	40	
	3/24/2003	1,1,1-Trichloroethane	12	ug/L	200	40	
	6/12/2003	1,1,1-Trichloroethane	11	ug/L	200	40	
	9/10/2003	1,1,1-Trichloroethane	11	ug/L	200	40	
	12/17/2003	1,1,1-Trichloroethane	8.7	ug/L	200	40	
	3/23/2000	1,1-Dichloroethane	35	ug/L	850	85	
	6/21/2000	1,1-Dichloroethane	38	ug/L	850	85	
	9/13/2000	1,1-Dichloroethane	41	ug/L	850	85	
	12/15/2000	1,1-Dichloroethane	43	ug/L	850	85	
	4/4/2001	1,1-Dichloroethane	49	ug/L	850	85	
	6/14/2001	1,1-Dichloroethane	52	ug/L	850	85	
	10/4/2001	1,1-Dichloroethane	47	ug/L	850	85	
	12/13/2001	1,1-Dichloroethane	30	ug/L	850	85	
	3/20/2002	1,1-Dichloroethane	49	ug/L	850	85	
	6/13/2002	1,1-Dichloroethane	38	ug/L	850	85	
	9/12/2002	1,1-Dichloroethane	51	ug/L	850	85	
	12/17/2002	1,1-Dichloroethane	47	ug/L	850	85	
	3/24/2003	1,1-Dichloroethane	42	ug/L	850	85	
	6/12/2003	1,1-Dichloroethane	41	ug/L	850	85	
	9/10/2003	1,1-Dichloroethane	40	ug/L	850	85	
	12/17/2003	1,1-Dichloroethane	33	ug/L	850	85	
	3/23/2000	1,1-Dichloroethene	3.9	ug/L	7	0.7	PAL
	6/21/2000	1,1-Dichloroethene	4	ug/L	7	0.7	PAL
	9/13/2000	1,1-Dichloroethene	3.7	ug/L	7	0.7	PAL
	12/15/2000	1,1-Dichloroethene	3.1	ug/L	7	0.7	PAL
	4/4/2001	1,1-Dichloroethene	3.9	ug/L	7	0.7	PAL
	6/14/2001	1,1-Dichloroethene	4.4	ug/L	7	0.7	PAL
	10/4/2001	1,1-Dichloroethene	4.2	ug/L	7	0.7	PAL
	12/13/2001	1,1-Dichloroethene	2.8	ug/L	7	0.7	PAL

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	3/20/2002	1,1-Dichloroethene	4.7	ug/L	7	0.7	PAL
	6/13/2002	1,1-Dichloroethene	3.5	ug/L	7	0.7	PAL
	9/12/2002	1,1-Dichloroethene	3.9	ug/L	7	0.7	PAL
	12/17/2002	1,1-Dichloroethene	3.5	ug/L	7	0.7	PAL
	3/24/2003	1,1-Dichloroethene	3.8	ug/L	7	0.7	PAL
	6/12/2003	1,1-Dichloroethene	3.1	ug/L	7	0.7	PAL
	9/10/2003	1,1-Dichloroethene	2.8	ug/L	7	0.7	PAL
	12/17/2003	1,1-Dichloroethene	2.6	ug/L	7	0.7	PAL
	12/13/2001	Acetone	4.5	ug/L	1000	200	
	6/21/2000	Alkalinity as CaCO3	290	mg/L			
	12/15/2000	Alkalinity as CaCO3	290	mg/L			
	12/15/2000	Arsenic - Dissolved	0.38	ug/L	50	5	
	3/23/2000	Barium - Dissolved	120	ug/L	2000	400	
	6/21/2000	Barium - Dissolved	120	ug/L	2000	400	
	12/15/2000	Barium - Dissolved	100	ug/L	2000	400	
	6/21/2000	Chloride	50	mg/L	250	125	
	12/15/2000	Chloride	49	mg/L	250	125	
	4/4/2001	Chloride	55	mg/L	250	125	
	6/14/2001	Chloride	57	mg/L	250	125	
	10/4/2001	Chloride	39	mg/L	250	125	
	12/13/2001	Chloride	38	mg/L	250	125	
	3/20/2002	Chloride	65	mg/L	250	125	
	6/13/2002	Chloride	57	mg/L	250	125	
	9/12/2002	Chloride	58	mg/L	250	125	
	12/17/2002	Chloride	55	mg/L	250	125	
	3/24/2003	Chloride	61	mg/L	250	125	
	6/12/2003	Chloride	67	mg/L	250	125	
	9/10/2003	Chloride	62	mg/L	250	125	
	12/17/2003	Chloride	58	mg/L	250	125	
	6/14/2001	Chloroethane	0.57	ug/L	400	80	
	3/20/2002	Chloroethane	0.77	ug/L	400	80	
	3/23/2000	Chromium - Dissolved	0.59	ug/L	100	10	
	12/15/2000	Chromium - Dissolved	0.39	ug/L	100	10	
	3/23/2000	cis-1,2-Dichloroethene	120	ug/L	70	7	ES
	6/21/2000	cis-1,2-Dichloroethene	140	ug/L	70	7	ES
	9/13/2000	cis-1,2-Dichloroethene	150	ug/L	70	7	ES
	12/15/2000	cis-1,2-Dichloroethene	150	ug/L	70	7	ES
	4/4/2001	cis-1,2-Dichloroethene	160	ug/L	70	7	ES
	6/14/2001	cis-1,2-Dichloroethene	170	ug/L	70	7	ES
	10/4/2001	cis-1,2-Dichloroethene	160	ug/L	70	7	ES
	12/13/2001	cis-1,2-Dichloroethene	98	ug/L	70	7	ES
	3/20/2002	cis-1,2-Dichloroethene	160	ug/L	70	7	ES
	6/13/2002	cis-1,2-Dichloroethene	130	ug/L	70	7	ES
	9/12/2002	cis-1,2-Dichloroethene	160	ug/L	70	7	ES
	12/17/2002	cis-1,2-Dichloroethene	140	ug/L	70	7	ES
	3/24/2003	cis-1,2-Dichloroethene	130	ug/L	70	7	ES
	6/12/2003	cis-1,2-Dichloroethene	130	ug/L	70	7	ES
	9/10/2003	cis-1,2-Dichloroethene	140	ug/L	70	7	ES
	12/17/2003	cis-1,2-Dichloroethene	120	ug/L	70	7	ES
	6/13/2002	Iron	130	ug/L	0.3	0.15	ES

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	4/4/2001	Nitrogen, nitrate	0.82	mg/L	10	2	
	6/14/2001	Nitrogen, nitrate	0.88	mg/L	10	2	
	12/13/2001	Nitrogen, nitrate	0.65	mg/L	10	2	
	3/20/2002	Nitrogen, nitrate	0.76	mg/L	10	2	
	6/13/2002	Nitrogen, nitrate	0.77	mg/L	10	2	
	3/24/2003	Nitrogen, Nitrate	1.1	mg/L	10	2	
	9/10/2003	Nitrogen, Nitrate	1.1	mg/L	10	2	
	12/17/2003	Nitrogen, Nitrate	1.2	mg/L	10	2	
	12/17/2003	Redox Potential	62	mV			
	6/21/2000	Selenium - Dissolved	2	ug/L	50	10	
	12/15/2000	Selenium - Dissolved	0.49	ug/L	50	10	
	3/23/2000	Tetrachloroethene	0.53	ug/L	5	0.5	PAL
	4/4/2001	Tetrachloroethene	0.91	ug/L	5	0.5	PAL
	6/14/2001	Tetrachloroethene	1.2	ug/L	5	0.5	PAL
	10/4/2001	Tetrachloroethene	0.7	ug/L	5	0.5	PAL
	3/20/2002	Tetrachloroethene	0.6	ug/L	5	0.5	PAL
	3/24/2003	Tetrachloroethene	0.59	ug/L	5	0.5	PAL
	6/12/2003	Tetrachloroethene	0.46	ug/L	5	0.5	
	12/17/2003	Tetrachloroethene	0.45	ug/L	5	0.5	
	3/23/2000	trans-1,2-Dichloroethene	1.6	ug/L	100	20	
	6/21/2000	trans-1,2-Dichloroethene	1	ug/L	100	20	
	9/13/2000	trans-1,2-Dichloroethene	1.6	ug/L	100	20	
	12/15/2000	trans-1,2-Dichloroethene	3.5	ug/L	100	20	
	4/4/2001	trans-1,2-Dichloroethene	1.8	ug/L	100	20	
	6/14/2001	trans-1,2-Dichloroethene	1.9	ug/L	100	20	
	10/4/2001	trans-1,2-Dichloroethene	1.8	ug/L	100	20	
	12/13/2001	trans-1,2-Dichloroethene	0.93	ug/L	100	20	
	3/20/2002	trans-1,2-Dichloroethene	1.9	ug/L	100	20	
	9/12/2002	trans-1,2-Dichloroethene	1.9	ug/L	100	20	
	12/17/2002	trans-1,2-Dichloroethene	5.6	ug/L	100	20	
	3/24/2003	trans-1,2-Dichloroethene	1.6	ug/L	100	20	
	6/12/2003	trans-1,2-Dichloroethene	1.7	ug/L	100	20	
	9/10/2003	trans-1,2-Dichloroethene	1.7	ug/L	100	20	
	12/17/2003	trans-1,2-Dichloroethene	1.4	ug/L	100	20	
	3/23/2000	Trichloroethene	69	ug/L	5	0.5	ES
	6/21/2000	Trichloroethene	76	ug/L	5	0.5	ES
	9/13/2000	Trichloroethene	88	ug/L	5	0.5	ES
	12/15/2000	Trichloroethene	93	ug/L	5	0.5	ES
	4/4/2001	Trichloroethene	90	ug/L	5	0.5	ES
	6/14/2001	Trichloroethene	90	ug/L	5	0.5	ES
	10/4/2001	Trichloroethene	73	ug/L	5	0.5	ES
	12/13/2001	Trichloroethene	42	ug/L	5	0.5	ES
	3/20/2002	Trichloroethene	72	ug/L	5	0.5	ES
	6/13/2002	Trichloroethene	69	ug/L	5	0.5	ES
	9/12/2002	Trichloroethene	73	ug/L	5	0.5	ES
	12/17/2002	Trichloroethene	79	ug/L	5	0.5	ES
	3/24/2003	Trichloroethene	70	ug/L	5	0.5	ES
	6/12/2003	Trichloroethene	59	ug/L	5	0.5	ES
	9/10/2003	Trichloroethene	69	ug/L	5	0.5	ES
	12/17/2003	Trichloroethene	71	ug/L	5	0.5	ES

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	3/23/2000	Vinyl chloride	37	ug/L	0.2	0.02	ES
	6/21/2000	Vinyl chloride	28	ug/L	0.2	0.02	ES
	9/13/2000	Vinyl chloride	11	ug/L	0.2	0.02	ES
	12/15/2000	Vinyl chloride	14	ug/L	0.2	0.02	ES
	4/4/2001	Vinyl chloride	23	ug/L	0.2	0.02	ES
	6/14/2001	Vinyl chloride	28	ug/L	0.2	0.02	ES
	10/4/2001	Vinyl chloride	35	ug/L	0.2	0.02	ES
	12/13/2001	Vinyl chloride	27	ug/L	0.2	0.02	ES
	3/20/2002	Vinyl chloride	46	ug/L	0.2	0.02	ES
	6/13/2002	Vinyl chloride	33	ug/L	0.2	0.02	ES
	9/12/2002	Vinyl chloride	37	ug/L	0.2	0.02	ES
	12/17/2002	Vinyl chloride	28	ug/L	0.2	0.02	ES
	3/24/2003	Vinyl Chloride	36	ug/L	0.2	0.02	ES
	6/12/2003	Vinyl Chloride	27	ug/L	0.2	0.02	ES
	9/10/2003	Vinyl Chloride	25	ug/L	0.2	0.02	ES
	12/17/2003	Vinyl Chloride	20	ug/L	0.2	0.02	ES
P8B							
	6/22/2000	1,1,1-Trichloroethane	1	ug/L	200	40	
	9/13/2000	1,1,1-Trichloroethane	1.1	ug/L	200	40	
	12/15/2000	1,1,1-Trichloroethane	1.2	ug/L	200	40	
	4/5/2001	1,1,1-Trichloroethane	1.1	ug/L	200	40	
	6/14/2001	1,1,1-Trichloroethane	1.4	ug/L	200	40	
	10/4/2001	1,1,1-Trichloroethane	1.8	ug/L	200	40	
	3/20/2002	1,1,1-Trichloroethane	1.5	ug/L	200	40	
	6/13/2002	1,1,1-Trichloroethane	1.7	ug/L	200	40	
	9/12/2002	1,1,1-Trichloroethane	1.7	ug/L	200	40	
	3/24/2003	1,1,1-Trichloroethane	1.6	ug/L	200	40	
	3/23/2000	1,1,2-Trichlorotrifluoroethane	3.7	ug/L			
	6/22/2000	1,1,2-Trichlorotrifluoroethane	2	ug/L			
	9/13/2000	1,1,2-Trichlorotrifluoroethane	2.5	ug/L			
	12/15/2000	1,1,2-Trichlorotrifluoroethane	3.9	ug/L			
	4/5/2001	1,1,2-Trichlorotrifluoroethane	4.8	ug/L			
	6/14/2001	1,1,2-Trichlorotrifluoroethane	3.5	ug/L			
	10/4/2001	1,1,2-Trichlorotrifluoroethane	3.5	ug/L			
	12/13/2001	1,1,2-Trichlorotrifluoroethane	4.2	ug/L			
	3/20/2002	1,1,2-Trichlorotrifluoroethane	5.9	ug/L			
	6/13/2002	1,1,2-Trichlorotrifluoroethane	4.6	ug/L			
	9/12/2002	1,1,2-Trichlorotrifluoroethane	3.1	ug/L			
	3/24/2003	1,1,2-Trichlorotrifluoroethane	3.7	ug/L			
	6/12/2003	1,1,2-Trichlorotrifluoroethane	3.8	ug/L			
	12/17/2003	1,1,2-Trichlorotrifluoroethane	3.6	ug/L			
	9/13/2000	1,1-Dichloroethane	1	ug/L	850	85	
	12/15/2000	1,1-Dichloroethane	0.96	ug/L	850	85	
	4/5/2001	1,1-Dichloroethane	1.1	ug/L	850	85	
	6/14/2001	1,1-Dichloroethane	1.3	ug/L	850	85	
	10/4/2001	1,1-Dichloroethane	1.6	ug/L	850	85	
	12/13/2001	1,1-Dichloroethane	1.4	ug/L	850	85	
	3/20/2002	1,1-Dichloroethane	1.6	ug/L	850	85	
	6/13/2002	1,1-Dichloroethane	1.5	ug/L	850	85	
	9/12/2002	1,1-Dichloroethane	1.8	ug/L	850	85	

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	12/17/2002	1,1-Dichloroethane	2	ug/L	850	85	
	3/24/2003	1,1-Dichloroethane	1.6	ug/L	850	85	
	6/12/2003	1,1-Dichloroethane	1.7	ug/L	850	85	
	12/15/2000	1,1-Dichloroethene	0.91	ug/L	7	0.7	PAL
	4/5/2001	1,1-Dichloroethene	0.91	ug/L	7	0.7	PAL
	6/14/2001	1,1-Dichloroethene	0.91	ug/L	7	0.7	PAL
	10/4/2001	1,1-Dichloroethene	1.1	ug/L	7	0.7	PAL
	12/13/2001	1,1-Dichloroethene	1.1	ug/L	7	0.7	PAL
	3/20/2002	1,1-Dichloroethene	1.4	ug/L	7	0.7	PAL
	9/12/2002	1,1-Dichloroethene	1.3	ug/L	7	0.7	PAL
	3/24/2003	1,1-Dichloroethene	1.4	ug/L	7	0.7	PAL
	6/12/2003	2-Butanone	15	ug/L	460	90	
	6/22/2000	Alkalinity as CaCO3	340	mg/L			
	12/15/2000	Alkalinity as CaCO3	310	mg/L			
	12/15/2000	Arsenic - Dissolved	0.35	ug/L	50	5	
	3/23/2000	Barium - Dissolved	69	ug/L	2000	400	
	6/22/2000	Barium - Dissolved	54	ug/L	2000	400	
	12/15/2000	Barium - Dissolved	49	ug/L	2000	400	
	6/22/2000	Chloride	11	mg/L	250	125	
	12/15/2000	Chloride	15	mg/L	250	125	
	4/5/2001	Chloride	17	mg/L	250	125	
	6/14/2001	Chloride	17	mg/L	250	125	
	10/4/2001	Chloride	18	mg/L	250	125	
	12/13/2001	Chloride	19	mg/L	250	125	
	3/20/2002	Chloride	20	mg/L	250	125	
	6/13/2002	Chloride	21	mg/L	250	125	
	9/12/2002	Chloride	19	mg/L	250	125	
	12/17/2002	Chloride	19	mg/L	250	125	
	3/24/2003	Chloride	22	mg/L	250	125	
	6/12/2003	Chloride	26	mg/L	250	125	
	9/10/2003	Chloride	24	mg/L	250	125	
	12/17/2003	Chloride	19	mg/L	250	125	
	3/23/2000	Chromium - Dissolved	0.55	ug/L	100	10	
	12/15/2000	Chromium - Dissolved	0.43	ug/L	100	10	
	3/23/2000	cis-1,2-Dichloroethene	69	ug/L	70	7	PAL
	6/22/2000	cis-1,2-Dichloroethene	98	ug/L	70	7	ES
	9/13/2000	cis-1,2-Dichloroethene	130	ug/L	70	7	ES
	12/15/2000	cis-1,2-Dichloroethene	130	ug/L	70	7	ES
	4/5/2001	cis-1,2-Dichloroethene	140	ug/L	70	7	ES
	6/14/2001	cis-1,2-Dichloroethene	170	ug/L	70	7	ES
	10/4/2001	cis-1,2-Dichloroethene	180	ug/L	70	7	ES
	12/13/2001	cis-1,2-Dichloroethene	150	ug/L	70	7	ES
	3/20/2002	cis-1,2-Dichloroethene	170	ug/L	70	7	ES
	6/13/2002	cis-1,2-Dichloroethene	180	ug/L	70	7	ES
	9/12/2002	cis-1,2-Dichloroethene	220	ug/L	70	7	ES
	12/17/2002	cis-1,2-Dichloroethene	220	ug/L	70	7	ES
	3/24/2003	cis-1,2-Dichloroethene	190	ug/L	70	7	ES
	6/12/2003	cis-1,2-Dichloroethene	230	ug/L	70	7	ES
	9/10/2003	cis-1,2-Dichloroethene	270	ug/L	70	7	ES
	12/17/2003	cis-1,2-Dichloroethene	220	ug/L	70	7	ES

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	6/13/2002	Iron	450	ug/L	0.3	0.15	ES
	3/24/2003	Methylene Chloride	0.5	ug/L	5	0.5	
	4/5/2001	Nitrogen, nitrate	0.7	mg/L	10	2	
	6/14/2001	Nitrogen, nitrate	0.79	mg/L	10	2	
	12/13/2001	Nitrogen, nitrate	0.77	mg/L	10	2	
	3/20/2002	Nitrogen, nitrate	0.67	mg/L	10	2	
	6/13/2002	Nitrogen, nitrate	0.88	mg/L	10	2	
	3/24/2003	Nitrogen, Nitrate	0.84	mg/L	10	2	
	9/10/2003	Nitrogen, Nitrate	1.1	mg/L	10	2	
	12/17/2003	Nitrogen, Nitrate	1.1	mg/L	10	2	
	12/17/2003	Redox Potential	58	mV			
	6/22/2000	Selenium - Dissolved	1	ug/L	50	10	
	12/15/2000	Selenium - Dissolved	0.74	ug/L	50	10	
	9/13/2000	trans-1,2-Dichloroethene	1.9	ug/L	100	20	
	12/15/2000	trans-1,2-Dichloroethene	1.1	ug/L	100	20	
	4/5/2001	trans-1,2-Dichloroethene	1	ug/L	100	20	
	6/14/2001	trans-1,2-Dichloroethene	4.5	ug/L	100	20	
	10/4/2001	trans-1,2-Dichloroethene	1.5	ug/L	100	20	
	12/13/2001	trans-1,2-Dichloroethene	1.2	ug/L	100	20	
	3/20/2002	trans-1,2-Dichloroethene	1.6	ug/L	100	20	
	6/13/2002	trans-1,2-Dichloroethene	2.5	ug/L	100	20	
	9/12/2002	trans-1,2-Dichloroethene	2.4	ug/L	100	20	
	3/24/2003	trans-1,2-Dichloroethene	1.4	ug/L	100	20	
	9/10/2003	trans-1,2-Dichloroethene	2.2	ug/L	100	20	
	12/17/2003	trans-1,2-Dichloroethene	2.2	ug/L	100	20	
	3/23/2000	Trichloroethene	51	ug/L	5	0.5	ES
	6/22/2000	Trichloroethene	89	ug/L	5	0.5	ES
	9/13/2000	Trichloroethene	95	ug/L	5	0.5	ES
	12/15/2000	Trichloroethene	100	ug/L	5	0.5	ES
	4/5/2001	Trichloroethene	110	ug/L	5	0.5	ES
	6/14/2001	Trichloroethene	130	ug/L	5	0.5	ES
	10/4/2001	Trichloroethene	120	ug/L	5	0.5	ES
	12/13/2001	Trichloroethene	110	ug/L	5	0.5	ES
	3/20/2002	Trichloroethene	130	ug/L	5	0.5	ES
	6/13/2002	Trichloroethene	150	ug/L	5	0.5	ES
	9/12/2002	Trichloroethene	160	ug/L	5	0.5	ES
	12/17/2002	Trichloroethene	150	ug/L	5	0.5	ES
	3/24/2003	Trichloroethene	160	ug/L	5	0.5	ES
	6/12/2003	Trichloroethene	140	ug/L	5	0.5	ES
	9/10/2003	Trichloroethene	170	ug/L	5	0.5	ES
	12/17/2003	Trichloroethene	120	ug/L	5	0.5	ES
	9/13/2000	Vinyl chloride	0.77	ug/L	0.2	0.02	ES
	12/15/2000	Vinyl chloride	0.66	ug/L	0.2	0.02	ES
	4/5/2001	Vinyl chloride	0.99	ug/L	0.2	0.02	ES
	6/14/2001	Vinyl chloride	1.4	ug/L	0.2	0.02	ES
	10/4/2001	Vinyl chloride	1.8	ug/L	0.2	0.02	ES
	12/13/2001	Vinyl chloride	3.1	ug/L	0.2	0.02	ES
	3/20/2002	Vinyl chloride	4.4	ug/L	0.2	0.02	ES
	6/13/2002	Vinyl chloride	3.1	ug/L	0.2	0.02	ES
	9/12/2002	Vinyl chloride	8.2	ug/L	0.2	0.02	ES

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	12/17/2002	Vinyl chloride	15	ug/L	0.2	0.02	ES
	3/24/2003	Vinyl Chloride	12	ug/L	0.2	0.02	ES
	6/12/2003	Vinyl Chloride	9	ug/L	0.2	0.02	ES
	9/10/2003	Vinyl Chloride	12	ug/L	0.2	0.02	ES
	12/17/2003	Vinyl Chloride	21	ug/L	0.2	0.02	ES
P8BD							
	10/4/2001	1,1,1-Trichloroethane	1.5	ug/L	200	40	
	6/14/2001	1,1,2-Trichlorotrifluoroethane	3.2	ug/L			
	10/4/2001	1,1,2-Trichlorotrifluoroethane	1.7	ug/L			
	6/14/2001	1,1-Dichloroethane	1.3	ug/L	850	85	
	10/4/2001	1,1-Dichloroethane	1.5	ug/L	850	85	
	10/4/2001	1,1-Dichloroethene	1.1	ug/L	7	0.7	PAL
	6/14/2001	Chloride	18	mg/L	250	125	
	10/4/2001	Chloride	18	mg/L	250	125	
	6/14/2001	cis-1,2-Dichloroethene	170	ug/L	70	7	ES
	10/4/2001	cis-1,2-Dichloroethene	170	ug/L	70	7	ES
	6/14/2001	Nitrogen, nitrate	0.81	mg/L	10	2	
	6/14/2001	trans-1,2-Dichloroethene	2.5	ug/L	100	20	
	10/4/2001	trans-1,2-Dichloroethene	1.4	ug/L	100	20	
	6/14/2001	Trichloroethene	130	ug/L	5	0.5	ES
	10/4/2001	Trichloroethene	110	ug/L	5	0.5	ES
	6/14/2001	Vinyl chloride	1.3	ug/L	0.2	0.02	ES
	10/4/2001	Vinyl chloride	1.6	ug/L	0.2	0.02	ES
P9B							
	3/23/2000	1,1,1-Trichloroethane	0.86	ug/L	200	40	
	12/15/2000	1,1,1-Trichloroethane	0.6	ug/L	200	40	
	4/4/2001	1,1,1-Trichloroethane	0.51	ug/L	200	40	
	3/23/2000	1,1,2-Trichlorotrifluoroethane	8.7	ug/L			
	6/21/2000	1,1,2-Trichlorotrifluoroethane	12	ug/L			
	9/13/2000	1,1,2-Trichlorotrifluoroethane	15	ug/L			
	12/15/2000	1,1,2-Trichlorotrifluoroethane	16	ug/L			
	4/4/2001	1,1,2-Trichlorotrifluoroethane	13	ug/L			
	6/21/2000	Alkalinity as CaCO3	350	mg/L			
	12/15/2000	Alkalinity as CaCO3	340	mg/L			
	12/15/2000	Arsenic - Dissolved	0.47	ug/L	50	5	
	3/23/2000	Barium - Dissolved	98	ug/L	2000	400	
	6/21/2000	Barium - Dissolved	85	ug/L	2000	400	
	12/15/2000	Barium - Dissolved	86	ug/L	2000	400	
	6/21/2000	Chloride	42	mg/L	250	125	
	12/15/2000	Chloride	39	mg/L	250	125	
	4/4/2001	Chloride	39	mg/L	250	125	
	6/21/2000	Chromium - Dissolved	1	ug/L	100	10	
	12/15/2000	Chromium - Dissolved	0.36	ug/L	100	10	
	9/13/2000	cis-1,2-Dichloroethene	0.41	ug/L	70	7	
	12/15/2000	cis-1,2-Dichloroethene	0.44	ug/L	70	7	
	4/4/2001	cis-1,2-Dichloroethene	0.55	ug/L	70	7	
	12/15/2000	Methylene chloride	0.57	ug/L	5	0.5	PAL
	6/21/2000	Nitrogen, nitrate	1	mg/L	10	2	
	4/4/2001	Nitrogen, nitrate	1	mg/L	10	2	
	6/21/2000	Selenium - Dissolved	3	ug/L	50	10	

Well	Date	Compound	Result	Units	ES	PAL	Exceedence
	12/15/2000	Selenium - Dissolved	1.4	ug/L	50	10	
	3/23/2000	Trichloroethene	1.2	ug/L	5	0.5	PAL
	6/21/2000	Trichloroethene	2	ug/L	5	0.5	PAL
	9/13/2000	Trichloroethene	2.8	ug/L	5	0.5	PAL
	12/15/2000	Trichloroethene	3.4	ug/L	5	0.5	PAL
	4/4/2001	Trichloroethene	3.2	ug/L	5	0.5	PAL
	12/15/2000	Vinyl chloride	0.22	ug/L	0.2	0.02	ES
	4/4/2001	Vinyl chloride	0.19	ug/L	0.2	0.02	PAL
P9BD							
	4/4/2001	1,1,1-Trichloroethane	0.51	ug/L	200	40	
	4/4/2001	1,1,2-Trichlorotrifluoroethane	12	ug/L			
	4/4/2001	Chloride	38	mg/L	250	125	
	4/4/2001	cis-1,2-Dichloroethene	0.47	ug/L	70	7	
	4/4/2001	Nitrogen, nitrate	1	mg/L	10	2	
	4/4/2001	Trichloroethene	3.3	ug/L	5	0.5	PAL
PW 717 HC							
	6/12/2001	Methylene chloride	0.5	ug/L	5	0.5	
	12/5/2002	Methylene chloride	0.58	ug/L	5	0.5	PAL
	6/12/2003	Methylene Chloride	0.62	ug/L	5	0.5	PAL
PW1530LR							
	6/12/2001	Methylene chloride	0.42	ug/L	5	0.5	
PW1587LR							
	6/12/2001	Methylene chloride	0.48	ug/L	5	0.5	
	12/5/2002	Methylene chloride	0.47	ug/L	5	0.5	
PW1716LR							
	6/12/2001	Chloroform	0.45	ug/L	6	0.6	
	6/12/2001	Methylene chloride	0.64	ug/L	5	0.5	PAL
	12/5/2002	Methylene chloride	0.48	ug/L	5	0.5	
	6/11/2003	Methylene Chloride	1	ug/L	5	0.5	PAL
PW461HR							
	6/12/2001	Methylene chloride	0.44	ug/L	5	0.5	

"D" in well name indicates a duplicate sample.

The Exceedence column indicates the standard, either ES or PAL, if the result is above the standard.

APPENDIX D

DATA TREND ANALYSES

Village of Grafton
Lime Kiln Park Landfill
Summary - Trend Analysis

Well	Parameter	Graph	Significance	Trend
LH1	111TCA	No		
	11DCE	Yes	Trend	Downward
	11DCA	Yes	No-Trend	
	VC	Yes	Trend	Downward
	TCE	Yes	Trend	Downward
	TRANS	Yes	Trend	Downward
	CIS	Yes	Trend	Downward
P2A	111TCA	No		
	11DCE	No		
	11DCA	Yes	No-trend	
	VC	Yes	No-trend	
	TCE	Yes	Trend	Downward
	TRANS	Yes	No-trend	
	CIS	Yes	No-trend	
P2B	111TCA	No		
	11DCE	No		
	11DCA	Yes	No-trend	
	VC	Yes	No-trend	
	TCE	Yes	Trend	Downward
	TRANS	Yes	Trend	Downward
	CIS	Yes	No-trend	
P4B	111TCA	No		
	11DCE	No		
	11DCA	No		
	VC	Yes	No-trend	
	TCE	Yes	No-trend	
	TRANS	No		
	CIS	Yes	No-trend	
P7B	111TCA	No		
	11DCE	No		
	11DCA	No		
	VC	No		
	TCE	Yes	No-trend	
	TRANS	No		
	CIS	Yes	Trend	Upward
P8A	111TCA	Yes	No-trend	
	11DCE	Yes	Trend	Downward
	11DCA	Yes	No-trend	
	VC	Yes	No-trend	
	TCE	Yes	No-trend	
	TRANS	Yes	No-trend	
	CIS	Yes	No-trend	
P8B	111TCA	Yes	Trend	Upward
	11DCE	Yes	Trend	Upward
	11DCA	Yes	Trend	Upward
	VC	Yes	Trend	Upward
	TCE	Yes	Trend	Upward
	TRANS	Yes	Trend	Upward
	CIS	Yes	Trend	Upward

Notes:

Parameters - 1,1,1-Trichloroethane, 1,1-Dichloroethene, 1,1-Dichloroethane, vinyl chloride, Trichloroethene, trans-1,2-dichloroethene, cis-1,2-dichloroethene.
Graph - Graphs that include only non-detects were not included.
Significance - States wether a trend was present at a 90% (Signficance F <0.1) confidence interval.
Trend - When there is a significant trend, states wether the trend is upward or downward.

1/1/00	ug/L
3/1/00	ug/L
6/1/00	ug/L
9/1/00	ug/L
12/1/00	ug/L
4/1/01	ug/L
6/1/01	ug/L
10/1/01	ug/L
12/1/01	ug/L
3/1/02	ug/L
6/1/02	ug/L
9/1/02	ug/L
12/1/02	ug/L
3/1/03	ug/L
6/1/03	ug/L
9/1/03	ug/L
12/1/03	ug/L

1.3	1.2999999
1.6	1.6000000
1	1
1.5	1.5
1.3	1.2999999
1.1	1.1000000
1.4	1.3999999
1.2	1.2000000
1.4	1.3999999
1.2	1.2000000
1.35	1.35
0.8	0.8000000
0.89	0.8899999
0.95	0.9499999
0.95	0.95
0.95	0.95
0.64	0.6399999

SUMMARY OUTPUT

238

762

Regression Statistics	
Multiple R	0.72579128
R Square	0.526772982
Adjusted R Square	0.495224514
Standard Error	0.189243436
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.597980291	0.59798	16.69726	0.000973057
Residual	15	0.537196174	0.035813		
Total	16	1.135176465			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	16.91554886	3.858776426	4.383656	0.000534	8.690756546	25.14034
X Variable 1	-0.000423484	0.000103637	-4.086228	0.000973	-0.00064438	-0.000203

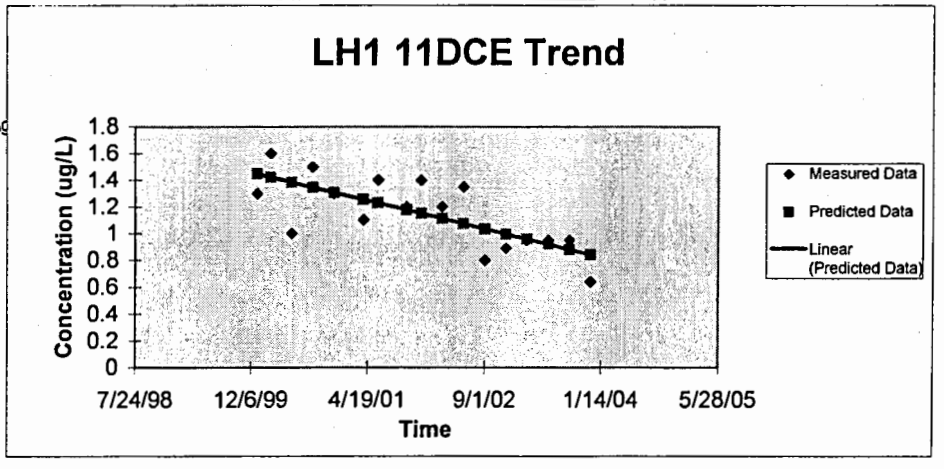
RESIDUAL OUTPUT Line slope

Observation	*Predicted Y*	*Residuals*
1	1.447379606	-0.147379654
2	1.421970578	0.178029445
3	1.383010069	-0.383010069
4	1.344049559	0.155950441
5	1.305512533	-0.005512581
6	1.254270994	-0.15427097
7	1.228438482	0.171561494
8	1.176773458	0.023226589
9	1.150940947	0.249059029
10	1.112827405	0.087172643
11	1.073866895	0.276133105
12	1.034906386	-0.234906374
13	0.99636936	-0.106369374
14	0.958255818	-0.00825583
15	0.919295308	0.030704692
16	0.880334799	0.069665201
17	0.841797773	-0.201797787

Significance: Significant
Trend: Downward

Slope -0.000423
LH1 11DCE C:\projects\g
21
25
35

Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L
3/1/00	ug/L
6/1/00	ug/L
9/1/00	ug/L
12/1/00	ug/L
4/1/01	ug/L
6/1/01	ug/L
10/1/01	ug/L
12/1/01	ug/L
3/1/02	ug/L
6/1/02	ug/L
9/1/02	ug/L
12/1/02	ug/L
3/1/03	ug/L
6/1/03	ug/L
9/1/03	ug/L
12/1/03	ug/L

8.8 8.8000001 SUMMARY OUTPUT
8.6 8.6000003815
4 4

Regression Statistics	
Multiple R	0.014494798
R Square	0.000210099
Adjusted R Square	-0.066442561
Standard Error	5.025342338
Observations	17

6.2 6.1999998
5 5
3.8 3.7999999
4.9 4.9000000
5.6 5.5999999
7 7
4.9 4.9000000 ANOVA
25 25

	df	SS	MS	F	Significance F
Regression	1	0.0796046	0.079605	0.003152	0.955968115
Residual	15	378.8109841	25.25407		
Total	16	378.8905887			

6.3 6.3000001
7.1 7.0999999
6.7 6.6999998
5 5
4.3 4.3000001907

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%
Intercept	1.223831253	102.4694589	0.011943	0.990628	-217.184785	219.6324
X Variable 1	0.000154512	0.002752067	0.056144	0.955968	-0.00571138	0.00602

5.4 5.4000000

No Trend

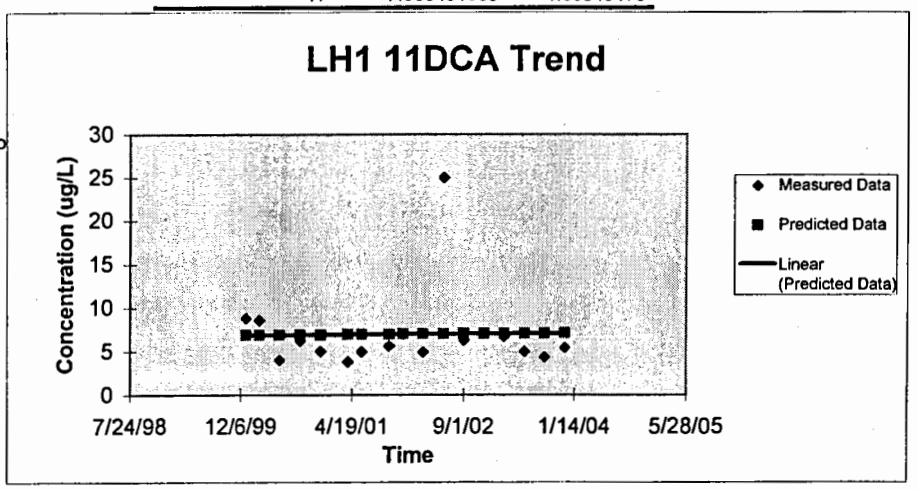
RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	6.867539606	1.932460585
2	6.876810331	1.72319005
3	6.891025443	-2.891025443
4	6.905240554	-0.705240745
5	6.919301154	-1.919301154
6	6.937997116	-3.137997164
7	6.947422353	-2.047422258
8	6.966272827	-1.366272923
9	6.975698064	0.024301936
10	6.989604152	-2.089604056
11	7.003819263	17.99618074
12	7.018034375	-0.718034184
13	7.032094975	0.06790493
14	7.046001062	-0.346001253
15	7.060216174	-2.060216174
16	7.074431285	-2.774431095
17	7.088491885	-1.68849179

Significance: No Trend
Trend: No Trend

Slope 0.000155
LH1 11DCA T C:\projects\grafto
21
25
35

Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	130	130
3/1/00	ug/L	120	120
6/1/00	ug/L	130	130
9/1/00	ug/L	150	150
12/1/00	ug/L	130	130
4/1/01	ug/L	110	110
6/1/01	ug/L	150	150
10/1/01	ug/L	120	120
12/1/01	ug/L	110	110
3/1/02	ug/L	140	140
6/1/02	ug/L	54	54
9/1/02	ug/L	100	100
12/1/02	ug/L	47	47
3/1/03	ug/L	37	37
6/1/03	ug/L	75	75
9/1/03	ug/L	75	75
12/1/03	ug/L	49	49

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.782099292
R Square	0.611679302
Adjusted R Square	0.585791255
Standard Error	24.40245669
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	14069.91926	14069.92	23.62787	0.000207621
Residual	15	8932.198385	595.4799		
Total	16	23002.11765			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	2520.07586	497.579342	5.064671	0.00014	1459.509946	3580.642
X Variable 1	-0.064958976	0.013363706	-4.86085	0.000208	-0.09344306	-0.036475

Significant

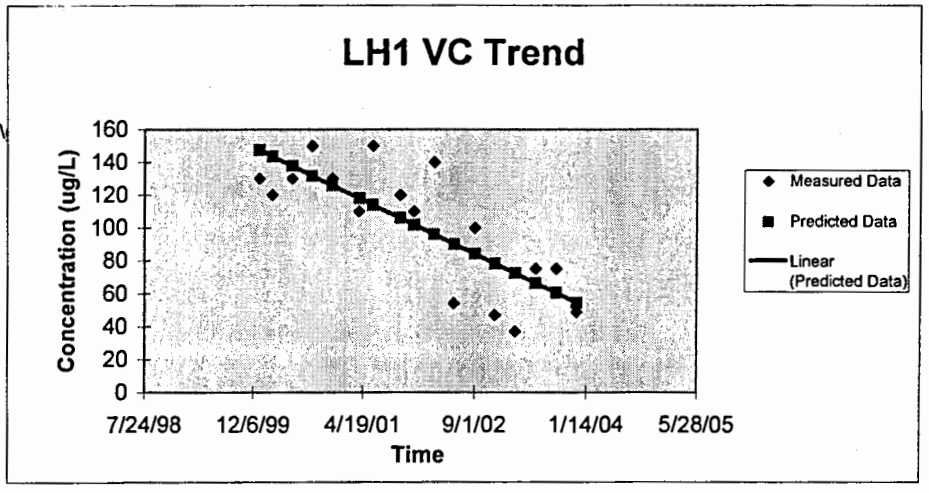
RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	147.3843132	-17.38431317
2	143.4867746	-23.48677463
3	137.5105489	-7.510548861
4	131.5343231	18.4656769
5	125.6230563	4.376943693
6	117.7630202	-7.763020246
7	113.8005227	36.19947727
8	105.8755277	14.12447231
9	101.9130302	8.086969827
10	96.06672236	43.93327764
11	90.09049659	-36.09049659
12	84.11427083	15.88572917
13	78.20300404	-31.20300404
14	72.35669622	-35.35669622
15	66.38047046	8.61952954
16	60.40424469	14.59575531
17	54.4929779	-5.492977905

Significanc Significant
Trend: Downward

Slope -0.064959
LH1 VC Tr C:\projects\
21
25
35

Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00 ug/L	29	29
3/1/00 ug/L	29	29
6/1/00 ug/L	27	27
9/1/00 ug/L	27	27
12/1/00 ug/L	25	25
4/1/01 ug/L	19	19
6/1/01 ug/L	21	21
10/1/01 ug/L	22	22
12/1/01 ug/L	27	27
3/1/02 ug/L	21	21
6/1/02 ug/L	11	11
9/1/02 ug/L	21	21
12/1/02 ug/L	29	29
3/1/03 ug/L	24	24
6/1/03 ug/L	17	17
9/1/03 ug/L	18	18
12/1/03 ug/L	20	20

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.553657262
R Square	0.306536364
Adjusted R Square	0.260305455
Standard Error	4.316685745
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	123.5521862	123.5522	6.63055	0.021124113
Residual	15	279.5066373	18.63378		
Total	16	403.0588235			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	249.3977771	88.01956623	2.833436	0.012581	61.78839729	437.0072
X Variable 1	-0.006087214	0.00236398	-2.574985	0.021124	-0.01112592	-0.001049

Significant

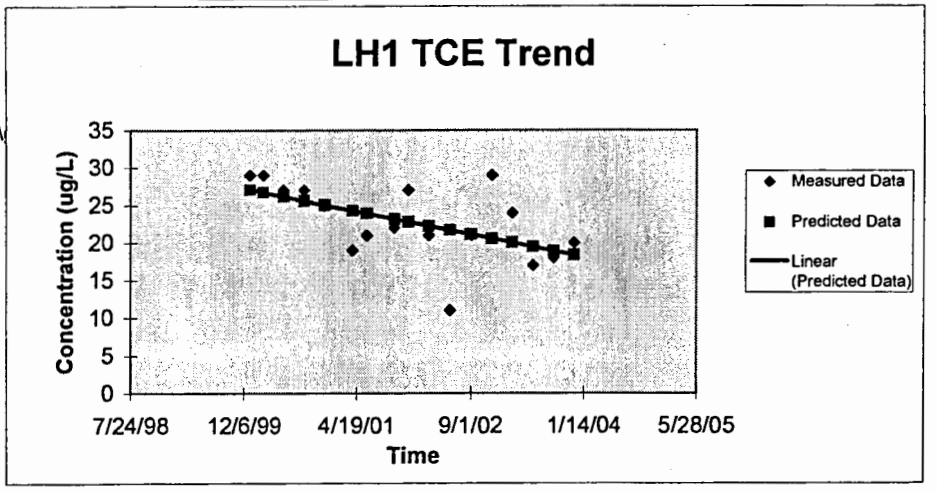
RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	27.05619188	1.94380812
2	26.69095903	2.309040971
3	26.13093532	0.869064676
4	25.57091162	1.42908838
5	25.01697513	-0.016975129
6	24.28042221	-5.280422213
7	23.90910215	-2.909102148
8	23.16646202	-1.166462018
9	22.79514195	4.204858047
10	22.24729268	-1.247292677
11	21.68726897	-10.68726897
12	21.12724527	-0.127245268
13	20.57330878	8.426691223
14	20.0254595	3.974540499
15	19.4654358	-2.465435796
16	18.90541209	-0.905412092
17	18.3514756	1.648524399

Significanc Significant
Trend: Downward

Slope -0.006087
LH1 TCE T C:\projects\
21
25
35

Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L
3/1/00	ug/L
6/1/00	ug/L
9/1/00	ug/L
12/1/00	ug/L
4/1/01	ug/L
6/1/01	ug/L
10/1/01	ug/L
12/1/01	ug/L
3/1/02	ug/L
6/1/02	ug/L
9/1/02	ug/L
12/1/02	ug/L
3/1/03	ug/L
6/1/03	ug/L
9/1/03	ug/L
12/1/03	ug/L

5.1	5.0999999
4.9	4.9000000954
5	5
4.8	4.8000001
5.1	5.0999999
4.7	4.6999998
5.3	5.3000001
4.7	4.6999998
5.6	5.5999999046
4.8	4.8000001
3.1	3.0999999046
4	4
7	7
2.5	2.5
3.9	3.9000000954
3.4	3.4000000954
3.1	3.0999999

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.491115832
R Square	0.24119476
Adjusted R Square	0.190607744
Standard Error	0.985923122
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	4.634628308	4.634628	4.767918	0.045293373
Residual	15	14.58066604	0.972044		
Total	16	19.21529435			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	48.4234484	20.1035078	2.408706	0.029321	5.573809493	91.27309
X Variable 1	-0.001178965	0.000539929	-2.183556	0.045293	-0.0023298	-2.81E-05

Significant

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	5.360581914	-0.260582009
2	5.289844029	-0.389843933
3	5.181379272	-0.181379272
4	5.072914515	-0.272914324
5	4.965628722	0.134371182
6	4.822973988	-0.122974178
7	4.751057138	0.548943053
8	4.607223438	0.092776371
9	4.535306588	1.064693316
10	4.429199761	0.37080043
11	4.320735004	-1.220735099
12	4.212270247	-0.212270247
13	4.104984454	2.895015546
14	3.998877627	-1.498877627
15	3.89041287	0.009587226
16	3.781948113	-0.381948017
17	3.67466232	-0.574662416

Significanc Significant
Trend: Downward

Slope -0.001179
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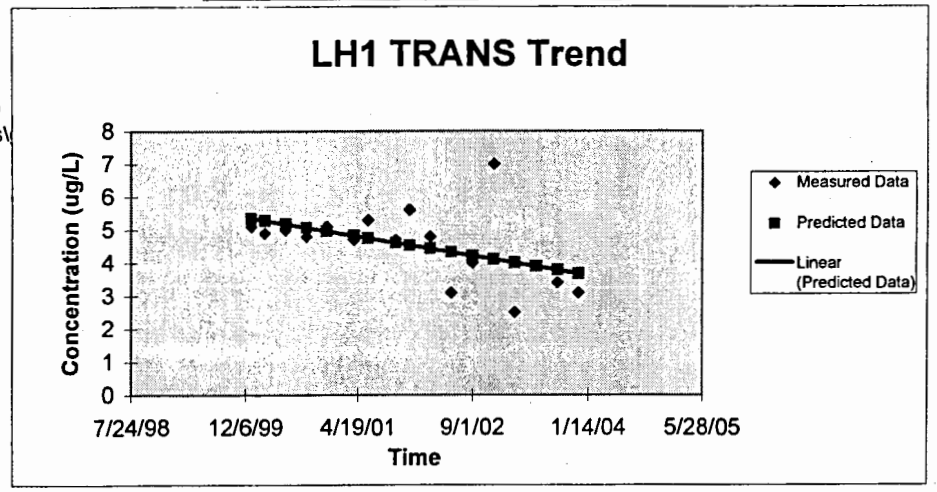
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	120	120
3/1/00	ug/L	110	110
6/1/00	ug/L	120	120
9/1/00	ug/L	140	140
12/1/00	ug/L	120	120
4/1/01	ug/L	100	100
6/1/01	ug/L	120	120
10/1/01	ug/L	110	110
12/1/01	ug/L	110	110
3/1/02	ug/L	99	99
6/1/02	ug/L	44	44
9/1/02	ug/L	97	97
12/1/02	ug/L	77	77
3/1/03	ug/L	70	70
6/1/03	ug/L	84	84
9/1/03	ug/L	85	85
12/1/03	ug/L	66	66

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.7649922
R Square	0.585213067
Adjusted R Square	0.557560604
Standard Error	16.34886683
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	5656.600654	5656.601	21.16314	0.000346747
Residual	15	4009.281699	267.2854		
Total	16	9665.882353			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	1631.824856	333.3622718	4.89505	0.000194	921.2795568	2342.37
X Variable 1	-0.04118804	0.008953256	-4.600342	0.000347	-0.06027147	-0.022105

Significant

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	127.3905093	-7.390509338
2	124.9192269	-14.91922694
3	121.1299273	-1.129927266
4	117.3406276	22.65937241
5	113.592516	6.407484044
6	108.6087631	-8.608763123
7	106.0962927	13.90370731
8	101.0713518	8.928648187
9	98.55888138	11.44111862
10	94.85195778	4.148042219
11	91.06265811	-47.06265811
12	87.27335843	9.726641569
13	83.5252468	-6.525246796
14	79.8183232	-9.818323201
15	76.02902353	7.970976474
16	72.23972385	12.76027615
17	68.49161222	-2.491612216

Significanc Significant
Trend: Downward

Slope -0.041188
LH1 CIS Ti C:\projects\
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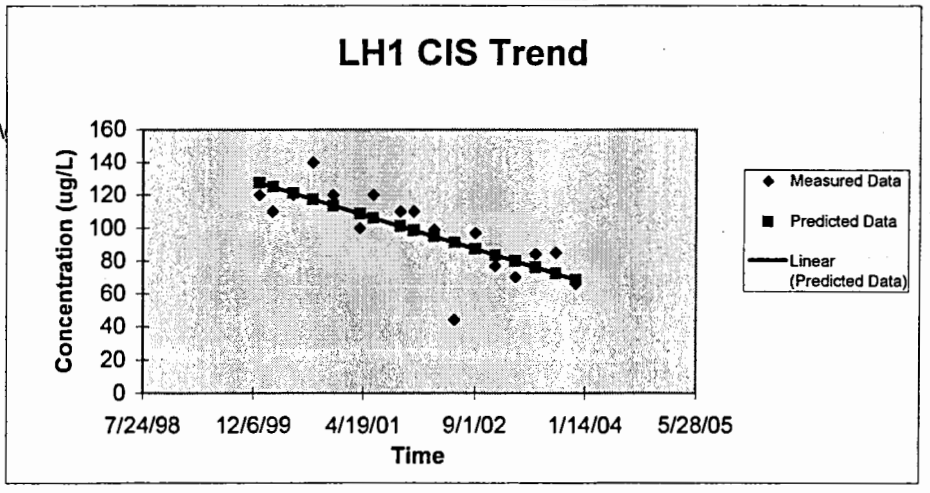
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	24 24
3/1/00	ug/L	15 15
6/1/00	ug/L	55 55
9/1/00	ug/L	37 37
12/1/00	ug/L	27 27
4/1/01	ug/L	89 89
6/1/01	ug/L	40 40
10/1/01	ug/L	29 29
12/1/01	ug/L	28 28
3/1/02	ug/L	21 21
6/1/02	ug/L	17 17
9/1/02	ug/L	24 24
12/1/02	ug/L	24 24
3/1/03	ug/L	13 13
6/1/03	ug/L	15 15
9/1/03	ug/L	21 21
12/1/03	ug/L	21 21

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.393408297
R Square	0.154770088
Adjusted R Square	0.098421427
Standard Error	17.63983941
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	854.6586335	854.6586	2.746651	0.118219988
Residual	15	4667.459014	311.1639		
Total	16	5522.117647			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	625.4778453	359.6859036	1.738956	0.102517	-141.174982	1392.131
X Variable 1	-0.01600994	0.009660242	-1.657302	0.11822	-0.03660027	0.00458

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	40.69877249	-16.69877249
2	39.73817608	-24.73817608
3	38.26526159	16.73473841
4	36.7923471	0.207652899
5	35.33544255	-8.33544255
6	33.3982398	55.6017602
7	32.42163345	7.578366551
8	30.46842075	-1.468420754
9	29.49181441	-1.491814406
10	28.0509198	-7.050919796
11	26.5780053	-9.578005305
12	25.10509081	-1.105090813
13	23.64818626	0.351813738
14	22.20729165	-9.207291652
15	20.73437716	-5.734377161
16	19.26146267	1.738537331
17	17.80455812	3.195441882

Significanc No Trend
Trend: No Trend

Slope -0.01601
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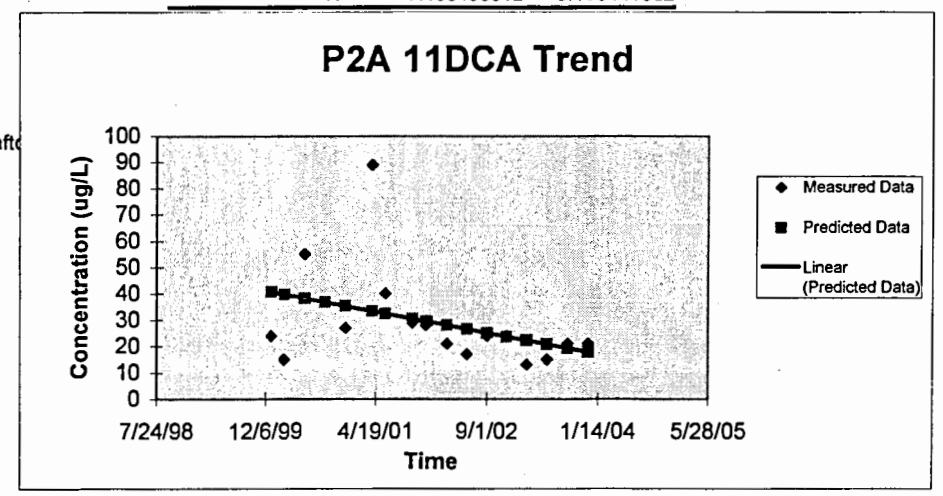
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	1.2	1.2000000
3/1/00	ug/L	0.27	0.27
6/1/00	ug/L	1	1
9/1/00	ug/L	2.5	2.5
12/1/00	ug/L	2	2
4/1/01	ug/L	1.6	1.6000000
6/1/01	ug/L	1.9	1.8999999
10/1/01	ug/L	2.2	2.2000000
12/1/01	ug/L	15	15
3/1/02	ug/L	0.84	0.8399999
6/1/02	ug/L	0.93	0.93000000715
9/1/02	ug/L	1.9	1.8999999
12/1/02	ug/L	1.2	1.2000000
3/1/03	ug/L	1.4	1.3999999
6/1/03	ug/L	0.3	0.3
9/1/03	ug/L	1.7	1.7000000477
12/1/03	ug/L	1.5	1.5

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.012422394
R Square	0.000154316
Adjusted R Square	-0.066502063
Standard Error	3.465059011
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.027796504	0.027797	0.002315	0.962259043
Residual	15	180.0995092	12.00663		
Total	16	180.1273057			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	5.601681628	70.6544347	0.079283	0.937856	-144.994774	156.1981
X Variable 1	-9.13037E-05	0.001897597	-0.048115	0.962259	-0.00413594	0.003953

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	2.266722069	-1.066722021
2	2.261243846	-1.991243846
3	2.252843904	-1.252843904
4	2.244443962	0.255556038
5	2.236135324	-0.236135324
6	2.225087574	-0.62508755
7	2.219518047	-0.319518071
8	2.208378994	-0.008378946
9	2.202809467	12.79719053
10	2.194592133	-1.354592159
11	2.186192191	-1.256192183
12	2.177792249	-0.277792272
13	2.16948361	-0.969483563
14	2.161266276	-0.7612663
15	2.152866334	-1.852866334
16	2.144466392	-0.444466344
17	2.136157754	-0.636157754

Significanc No Trend
Trend: No Trend

Slope -9.13E-05
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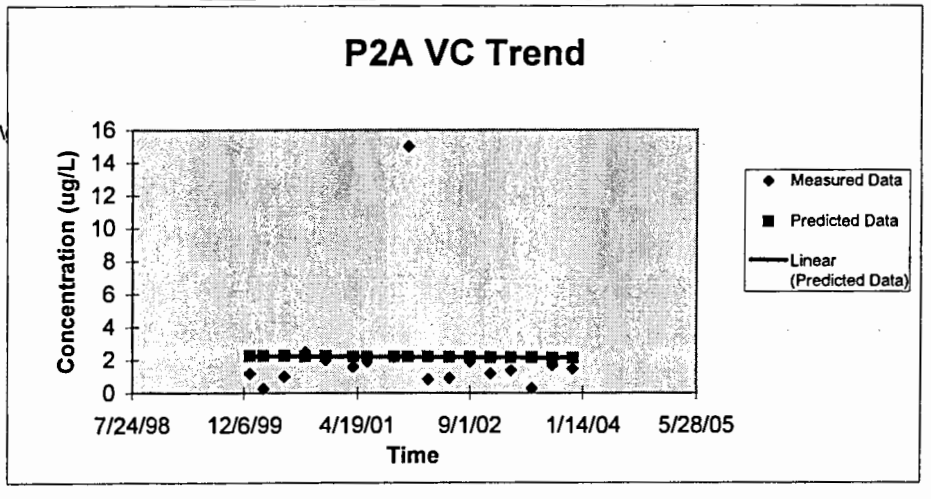
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00 ug/L	3.8	3.7999999
3/1/00 ug/L	32	32
6/1/00 ug/L	13	13
9/1/00 ug/L	9.9	9.8999996
12/1/00 ug/L	6.2	6.1999998
4/1/01 ug/L	7.7	7.6999998
6/1/01 ug/L	10	10
10/1/01 ug/L	4.6	4.5999999
12/1/01 ug/L	27	27
3/1/02 ug/L	8.5	8.5
6/1/02 ug/L	4.2	4.1999998
9/1/02 ug/L	8.2	8.1999998
12/1/02 ug/L	2.1	2.0999999
3/1/03 ug/L	4	4
6/1/03 ug/L	1.7	1.7000000
9/1/03 ug/L	8.4	8.3999996
12/1/03 ug/L	4.1	4.0999999

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.43174415
R Square	0.186403011
Adjusted R Square	0.132163212
Standard Error	7.726343719
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	205.1553743	205.1554	3.436646	0.083534904
Residual	15	895.445809	59.69639		
Total	16	1100.601183			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	301.1792775	157.5443437	1.911711	0.07521	-34.6187487	636.9773
X Variable 1	-0.00784395	0.004231237	-1.853819	0.083535	-0.01686262	0.001175

Significant

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	14.67116109	-10.87116114
2	14.20052409	17.79947591
3	13.47888069	-0.478880695
4	12.7572373	-2.85723768
5	12.04343785	-5.843438042
6	11.09431991	-3.394320096
7	10.61583896	-0.615838958
8	9.658877062	-5.058877157
9	9.180396114	17.81960389
10	8.474440617	0.025559383
11	7.75279722	-3.552797411
12	7.031153823	1.168845986
13	6.317354376	-4.217354472
14	5.61139888	-1.61139888
15	4.889755483	-3.189755435
16	4.168112086	4.231887533
17	3.454312639	0.645687266

Significanc Significant
Trend: Downward

Slope -0.007844
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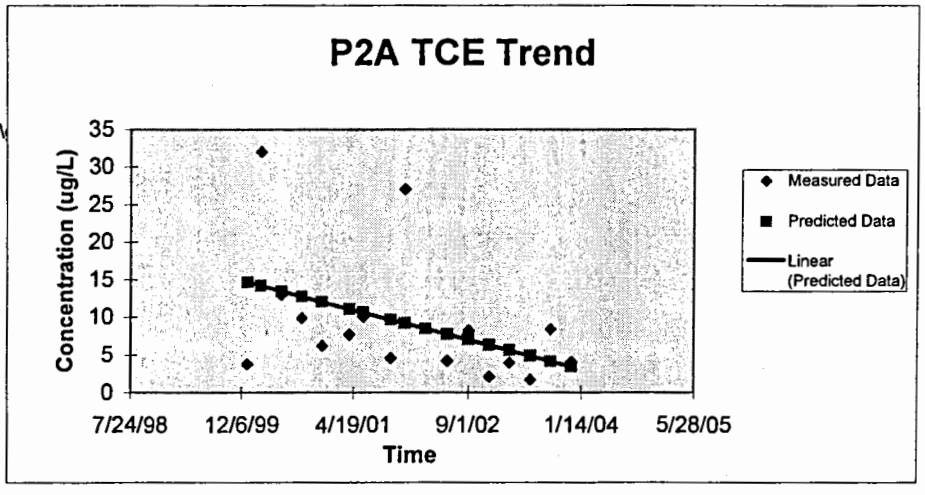
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	3.5	3.5
3/1/00	ug/L	2.6	2.5999999046
6/1/00	ug/L	3	3
9/1/00	ug/L	5.8	5.8000001
12/1/00	ug/L	5.1	5.0999999
4/1/01	ug/L	2.1	2.0999999
6/1/01	ug/L	3	3
10/1/01	ug/L	6.1	6.0999999
12/1/01	ug/L	7.3	7.3000001907
3/1/02	ug/L	1.6	1.6000000
6/1/02	ug/L	1.25	1.25
9/1/02	ug/L	4.9	4.9000000
12/1/02	ug/L	7.8	7.8000001
3/1/03	ug/L	1.7	1.7000000
6/1/03	ug/L	1.7	1.7000000477
9/1/03	ug/L	3.5	3.5
12/1/03	ug/L	2.6	2.5999999

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.107540305
R Square	0.011564917
Adjusted R Square	-0.054330755
Standard Error	2.11319542
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.783727263	0.783727	0.175503	0.681203568
Residual	15	66.98392326	4.465595		
Total	16	67.76765052			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	21.78837404	43.08920205	0.505657	0.620446	-70.0541425	113.6309
X Variable 1	-0.000484815	0.001157266	-0.418931	0.681204	-0.00295147	0.001982

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	4.080029726	-0.580029726
2	4.050940839	-1.450940935
3	4.00633788	-1.00633788
4	3.961734922	1.838265269
5	3.917616777	1.182383127
6	3.85895419	-1.758954286
7	3.829380489	-0.829380489
8	3.770233087	2.329766817
9	3.740659386	3.559340805
10	3.697026057	-2.097026033
11	3.652423098	-2.402423098
12	3.607820139	1.292179956
13	3.563701995	4.236298196
14	3.520068666	-1.820068618
15	3.475465707	-1.775465659
16	3.430862748	0.069137252
17	3.386744604	-0.786744699

Significanc No Trend
Trend: No Trend

Slope -0.000485
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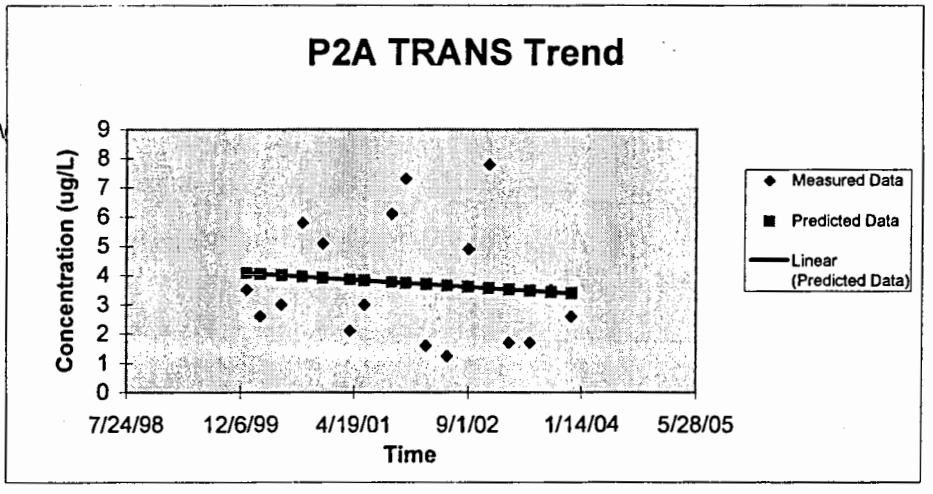
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L
3/1/00	ug/L
6/1/00	ug/L
9/1/00	ug/L
12/1/00	ug/L
4/1/01	ug/L
6/1/01	ug/L
10/1/01	ug/L
12/1/01	ug/L
3/1/02	ug/L
6/1/02	ug/L
9/1/02	ug/L
12/1/02	ug/L
3/1/03	ug/L
6/1/03	ug/L
9/1/03	ug/L
12/1/03	ug/L

2	2
26	26
13	13
5.8	5.8000001
3.1	3.0999999
16	16
8.1	8.1000003
4.8	4.8000001
36	36
1.4	1.3999999
3.4	3.4000000954
3.6	3.5999999
2	2
0.84	0.8399999
1.3	1.2999999523
2.4	2.4000000954
1.2	1.2000000

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.405817888
R Square	0.164688158
Adjusted R Square	0.109000702
Standard Error	9.333761268
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	257.6430138	257.643	2.957365	0.106046582
Residual	15	1306.786491	87.1191		
Total	16	1564.429505			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	334.9731485	190.3204603	1.760048	0.09877	-70.6855596	740.6319
X Variable 1	-0.008790277	0.00511152	-1.719699	0.106047	-0.01968523	0.002105

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	13.89949813	-11.89949813
2	13.37208152	12.62791848
3	12.56337605	0.436623947
4	11.75467059	-5.954670397
5	10.9547554	-7.854755494
6	9.891131906	6.108868094
7	9.354925021	-1.25492464
8	8.282511252	-3.482511061
9	7.746304367	28.25369563
10	6.955179455	-5.555179479
11	6.14647399	-2.746473894
12	5.337768524	-1.737768619
13	4.537853335	-2.537853335
14	3.746728423	-2.90672845
15	2.938022958	-1.638023006
16	2.129317492	0.270682603
17	1.329402304	-0.129402256

Significanc No Trend
Trend: No Trend

Slope -0.00879
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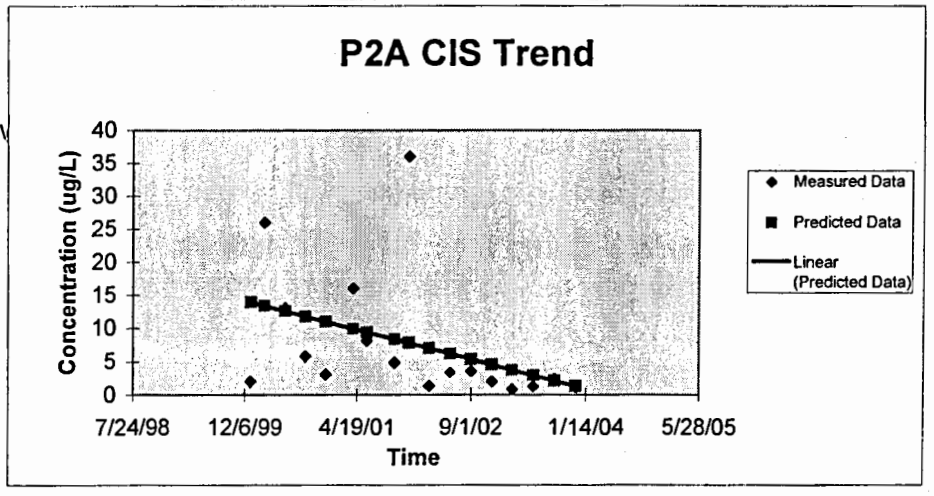
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	22	22
3/1/00	ug/L	26	26
6/1/00	ug/L	25	25
9/1/00	ug/L	24	24
12/1/00	ug/L	22	22
4/1/01	ug/L	19	19
6/1/01	ug/L	18	18
10/1/01	ug/L	16	16
12/1/01	ug/L	18	18
3/1/02	ug/L	18	18
6/1/02	ug/L	14	14
9/1/02	ug/L	19	19
12/1/02	ug/L	23	23
3/1/03	ug/L	20	20
6/1/03	ug/L	25	25
9/1/03	ug/L	26	26
12/1/03	ug/L	17	17

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.213847055
R Square	0.045730563
Adjusted R Square	-0.017887399
Standard Error	3.754097735
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	10.13066472	10.13066	0.718831	0.409852955
Residual	15	211.398747	14.09325		
Total	16	221.5294118			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	85.60174921	76.54809123	1.118274	0.28104	-77.5567453	248.7602
X Variable 1	-0.00174306	0.002055886	-0.847839	0.409853	-0.00612508	0.002639

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	21.93473965	0.065260347
2	21.83015605	4.169843947
3	21.66979453	3.330205467
4	21.50943301	2.490566987
5	21.35081455	0.649185447
6	21.13990429	-2.139904293
7	21.03357763	-3.033577633
8	20.82092431	-4.820924313
9	20.71459765	-2.714597653
10	20.55772225	-2.557722253
11	20.39736073	-6.397360733
12	20.23699921	-1.236999213
13	20.07838075	2.921619247
14	19.92150535	0.078494647
15	19.76114383	5.238856167
16	19.60078231	6.399217687
17	19.44216385	-2.442163853

Significanc No Trend
Trend: No Trend

Slope -0.001743
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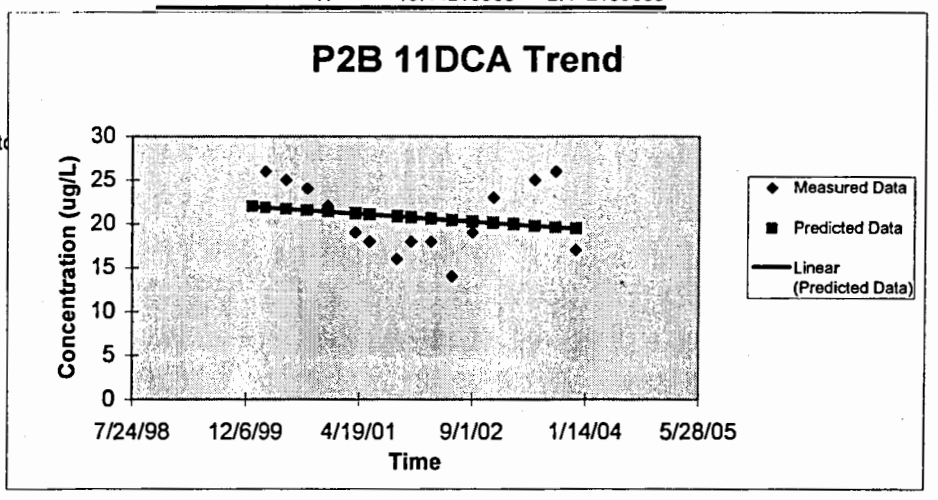
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	370	370
3/1/00	ug/L	340	340
6/1/00	ug/L	450	450
9/1/00	ug/L	340	340
12/1/00	ug/L	390	390
4/1/01	ug/L	330	330
6/1/01	ug/L	330	330
10/1/01	ug/L	300	300
12/1/01	ug/L	400	400
3/1/02	ug/L	310	310
6/1/02	ug/L	290	290
9/1/02	ug/L	360	360
12/1/02	ug/L	390	390
3/1/03	ug/L	250	250
6/1/03	ug/L	360	360
9/1/03	ug/L	460	460
12/1/03	ug/L	290	290

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.1742003
R Square	0.030345744
Adjusted R Square	-0.034297873
Standard Error	57.24553369
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1538.350739	1538.351	0.469431	0.50369998
Residual	15	49155.76691	3277.051		
Total	16	50694.11765			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	1150.285755	1167.267515	0.985452	0.340032	-1337.68759	3638.259
X Variable 1	-0.021479346	0.031349814	-0.685151	0.5037	-0.08829993	0.045341

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	365.731174	4.268825988
2	364.4424133	-24.44241327
3	362.4663135	87.53368653
4	360.4902137	-20.49021366
5	358.5355932	31.4644068
6	355.9365924	-25.93659237
7	354.6263523	-24.62635229
8	352.0058721	-52.00587211
9	350.695632	49.30436798
10	348.7624909	-38.76249091
11	346.7863911	-56.78639111
12	344.8102913	15.1897087
13	342.8556708	47.14432916
14	340.9225297	-90.92252973
15	338.9464299	21.05357007
16	336.9703301	123.0296699
17	335.0157097	-45.01570966

Significanc No Trend
Trend: No Trend

Slope -0.021479
P2B VC Tr C:\projects\
21
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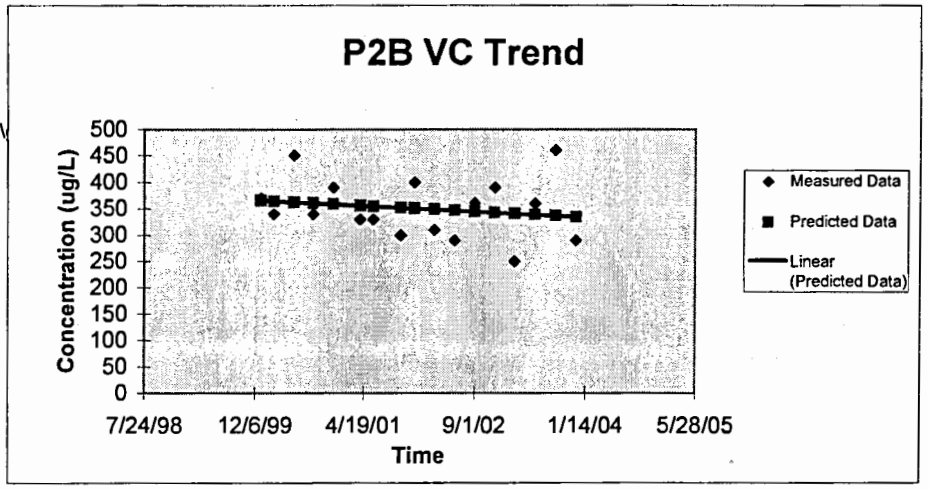
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	210
3/1/00	ug/L	170
6/1/00	ug/L	210
9/1/00	ug/L	170
12/1/00	ug/L	200
4/1/01	ug/L	190
6/1/01	ug/L	170
10/1/01	ug/L	150
12/1/01	ug/L	170
3/1/02	ug/L	140
6/1/02	ug/L	150
9/1/02	ug/L	180
12/1/02	ug/L	160
3/1/03	ug/L	190
6/1/03	ug/L	150
9/1/03	ug/L	170
12/1/03	ug/L	120

210	210
170	170
210	210
170	170
200	200
190	190
170	170
150	150
170	170
140	140
150	150
180	180
160	160
190	190
150	150
170	170
120	120

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.612777164
R Square	0.375495852
Adjusted R Square	0.333862242
Standard Error	20.08982608
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	3640.100967	3640.101	9.019056	0.008914926
Residual	15	6054.01668	403.6011		
Total	16	9694.117647			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	1400.728919	409.6424623	3.419394	0.003803	527.5961419	2273.862
X Variable 1	-0.033040764	0.011001947	-3.003174	0.008915	-0.05649087	-0.009591

Significant

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	193.8819739	16.11802611
2	191.8995281	-21.89952806
3	188.8597778	21.14022223
4	185.8200275	-15.82002748
5	182.813318	17.18668204
6	178.8153855	11.18461448
7	176.7998989	-6.799898921
8	172.7689257	-22.76892572
9	170.7534391	-0.753439114
10	167.7797704	-27.77977036
11	164.7400201	-14.74002007
12	161.7002698	18.29973021
13	158.6935603	1.306439736
14	155.7198915	34.28010849
15	152.6801412	-2.680141222
16	149.6403909	20.35960906
17	146.6336814	-26.63368141

Significanc Significant
Trend: Downward

Slope -0.033041
P2B TCE 1 C:\projects\
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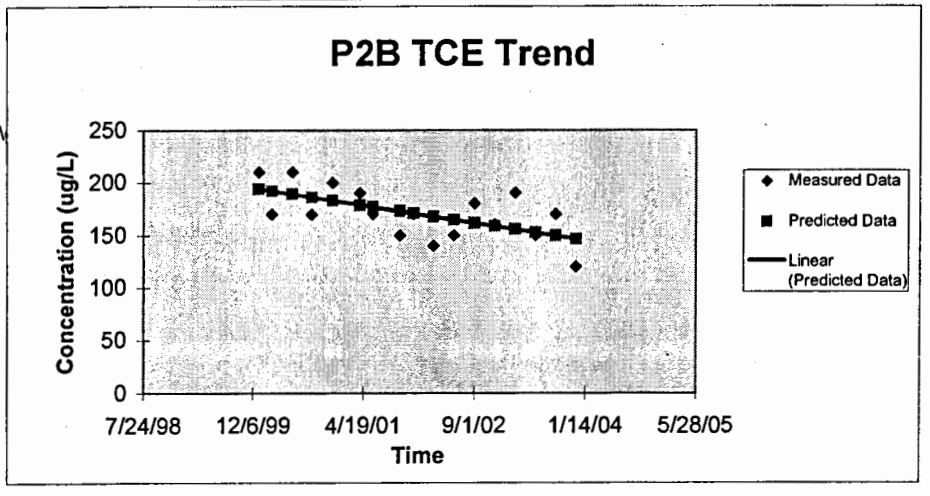
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	9.8	9.8000001
3/1/00	ug/L	12	12
6/1/00	ug/L	12	12
9/1/00	ug/L	21	21
12/1/00	ug/L	15	15
4/1/01	ug/L	15	15
6/1/01	ug/L	9.8	9.8000001
10/1/01	ug/L	9.2	9.1999998
12/1/01	ug/L	13	13
3/1/02	ug/L	9.4	9.3999996
6/1/02	ug/L	11	11
9/1/02	ug/L	9.2	9.1999998
12/1/02	ug/L	7.8	7.8000001
3/1/03	ug/L	9.8	9.8000001
6/1/03	ug/L	10	10
9/1/03	ug/L	11	11
12/1/03	ug/L	6.1	6.0999999

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.543055982
R Square	0.294909799
Adjusted R Square	0.247903786
Standard Error	2.953863834
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	54.74150417	54.7415	6.273874	0.024276106
Residual	15	130.8796733	8.725312		
Total	16	185.6211775			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	162.0950375	60.23088748	2.691228	0.016751	33.7158608	290.4742
X Variable 1	-0.004051835	0.001617647	-2.50477	0.024276	-0.00749977	-0.000604

Significant

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	14.09771999	-4.2977198
2	13.8546099	-1.854609904
3	13.4818411	-1.481841103
4	13.1090723	7.890927698
5	12.74035534	2.259644663
6	12.25008333	2.749916673
7	12.00292141	-2.202921214
8	11.50859756	-2.308597752
9	11.26143564	1.738564361
10	10.89677051	-1.496770889
11	10.52400171	0.475998293
12	10.15123291	-0.951233098
13	9.782515941	-1.98251575
14	9.41785081	0.382149381
15	9.04508201	0.95491799
16	8.672313209	2.327686791
17	8.303596243	-2.203596339

Significanc Significant
Trend: Downward

Slope -0.004052
P2B TRAN C:\projects\
21
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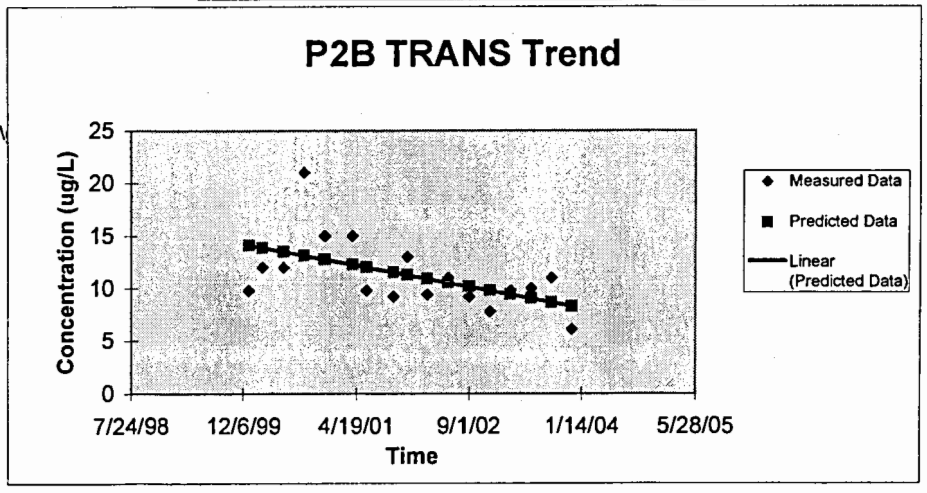
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	530 530
3/1/00	ug/L	470 470
6/1/00	ug/L	600 600
9/1/00	ug/L	490 490
12/1/00	ug/L	570 570
4/1/01	ug/L	520 520
6/1/01	ug/L	480 480
10/1/01	ug/L	470 470
12/1/01	ug/L	520 520
3/1/02	ug/L	520 520
6/1/02	ug/L	440 440
9/1/02	ug/L	540 540
12/1/02	ug/L	540 540
3/1/03	ug/L	530 530
6/1/03	ug/L	530 530
9/1/03	ug/L	600 600
12/1/03	ug/L	400 400

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.106327608
R Square	0.01130556
Adjusted R Square	-0.054607402
Standard Error	53.98984944
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	499.9717787	499.9718	0.171523	0.684623668
Residual	15	43723.55763	2914.904		
Total	16	44223.52941			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	970.6071631	1100.882346	0.881663	0.391868	-1375.86945	3317.084
X Variable 1	-0.012245206	0.029566879	-0.414153	0.684624	-0.07526556	0.050775

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	523.3387529	6.66124711
2	522.6040405	-52.6040405
3	521.4774815	78.52251849
4	520.3509225	-30.35092252
5	519.2366087	50.76339127
6	517.7549388	2.245061245
7	517.0079812	-37.00798116
8	515.514066	-45.51406598
9	514.7671084	5.232891615
10	513.6650398	6.334960194
11	512.5384808	-72.53848081
12	511.4119218	28.58807818
13	510.297608	29.70239196
14	509.1955395	20.80446054
15	508.0689805	21.93101953
16	506.9424215	93.05757853
17	505.8281077	-105.8281077

Significanc No Trend
Trend: No Trend

Slope -0.012245
P2B CIS T C:\projects\
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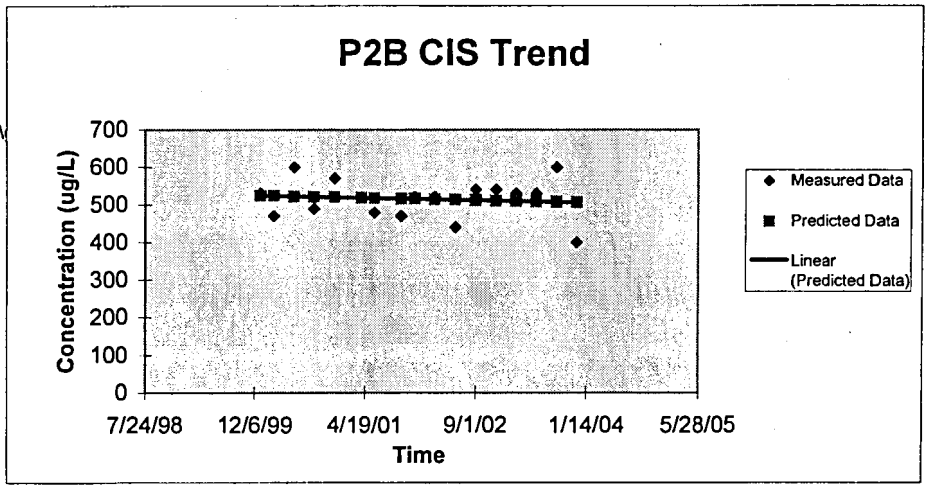
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	0.27	0.27
3/1/00	ug/L	0.27	0.27
6/1/00	ug/L	1	1
9/1/00	ug/L	1.9	1.8999999
12/1/00	ug/L	0.89	0.8899999
4/1/01	ug/L	1.6	1.6000000
6/1/01	ug/L	1.2	1.2000000
10/1/01	ug/L	0.52	0.5199999
12/1/01	ug/L	0.88	0.87999995
3/1/02	ug/L	0.88	0.8799999
6/1/02	ug/L	0.285	0.285
9/1/02	ug/L	0.47	0.4699999
12/1/02	ug/L	0.185	0.185
3/1/03	ug/L	0.3	0.3
6/1/03	ug/L	1.9	1.8999997
9/1/03	ug/L	0.53	0.5299997
12/1/03	ug/L	1.6	1.6000000

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.044949772
R Square	0.002020482
Adjusted R Square	-0.064511486
Standard Error	0.608631731
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.011249515	0.01125	0.030369	0.863986742
Residual	15	5.556488756	0.370433		
Total	16	5.567738271			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-1.299014679	12.41033147	-0.104672	0.918023	-27.7510263	25.153
X Variable 1	5.80845E-05	0.00033331	0.174266	0.863987	-0.00065235	0.000769

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	0.822579836	-0.552579836
2	0.826064907	-0.556064907
3	0.831408681	0.168591319
4	0.836752455	1.063247521
5	0.842038145	0.047961841
6	0.849066369	0.750933654
7	0.852609524	0.347390524
8	0.859695833	-0.339695852
9	0.863238988	0.016761007
10	0.868466593	0.011533402
11	0.873810367	-0.588810367
12	0.879154141	-0.409154142
13	0.884439831	-0.699439831
14	0.889667436	-0.589667436
15	0.89501121	1.004988766
16	0.900354984	-0.370355013
17	0.905640674	0.69435935

Significanc No Trend
Trend: No Trend

Slope 5.81E-05
P4B VC Tr C:\projects\
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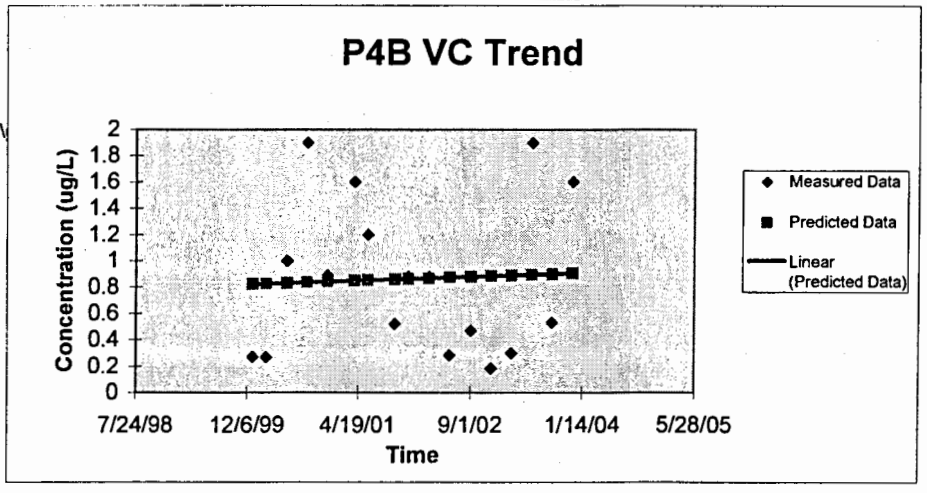
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	1.2	1.2000000
3/1/00	ug/L	1.8	1.7999999523
6/1/00	ug/L	3	3
9/1/00	ug/L	5.5	5.5
12/1/00	ug/L	1.6	1.6000000
4/1/01	ug/L	5.7	5.6999998
6/1/01	ug/L	3.8	3.7999999
10/1/01	ug/L	1.1	1.1000000
12/1/01	ug/L	4.3	4.3000001907
3/1/02	ug/L	3.8	3.7999999
6/1/02	ug/L	1.4	1.4
9/1/02	ug/L	2.8	2.7999999
12/1/02	ug/L	2.9	2.9000000
3/1/03	ug/L	0.83	0.8299999
6/1/03	ug/L	4.3	4.3000001907
9/1/03	ug/L	2.3	2.2999999523
12/1/03	ug/L	4.2	4.1999998

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.049421241
R Square	0.002442459
Adjusted R Square	-0.064061377
Standard Error	1.583116312
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.09204628	0.092046	0.036727	0.850592868
Residual	15	37.59385888	2.506257		
Total	16	37.68590516			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-3.213522734	32.28060122	-0.09955	0.92202	-72.0180378	65.59099
X Variable 1	0.000166149	0.000866974	0.191642	0.850593	-0.00168176	0.002014

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	2.855218228	-1.655218181
2	2.86518714	-1.065187188
3	2.880472804	0.119527196
4	2.895758468	2.604241532
5	2.910877984	-1.31087796
6	2.930981955	2.769017854
7	2.941117015	0.858882937
8	2.961387135	-1.861387111
9	2.971522195	1.328477996
10	2.986475562	0.81352439
11	3.001761226	-1.601761226
12	3.01704689	-0.217046938
13	3.032166406	-0.13216631
14	3.047119773	-2.21711979
15	3.062405437	1.237594754
16	3.077691101	-0.777691149
17	3.092810617	1.107189193

Significanc No Trend
Trend: No Trend

Slope 0.000166
P4B TCE T C:\projects\
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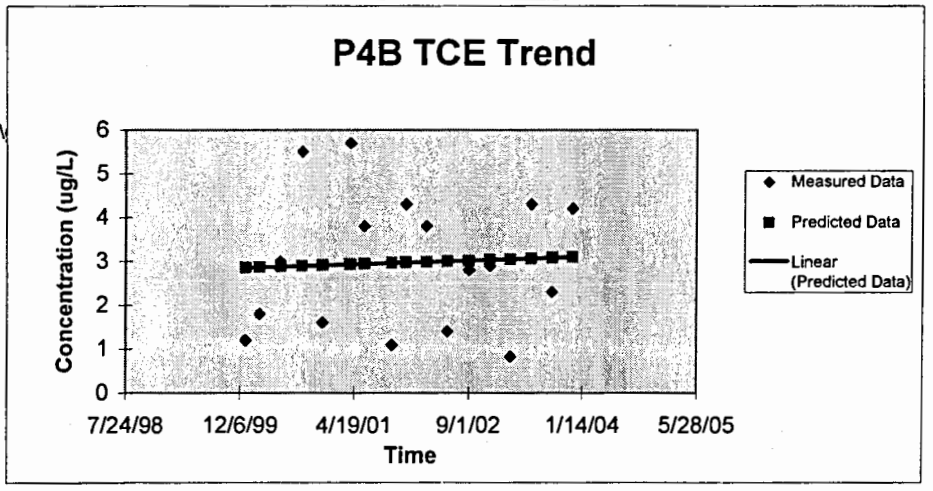
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	0.95
3/1/00	ug/L	0.66
6/1/00	ug/L	2
9/1/00	ug/L	4.2
12/1/00	ug/L	1.2
4/1/01	ug/L	3.9
6/1/01	ug/L	2.6
10/1/01	ug/L	1.2
12/1/01	ug/L	2.9
3/1/02	ug/L	3
6/1/02	ug/L	1.15
9/1/02	ug/L	1.5
12/1/02	ug/L	1.7
3/1/03	ug/L	0.94
6/1/03	ug/L	3.7
9/1/03	ug/L	1.6
12/1/03	ug/L	4.2

0.9499999	SUMMARY OUTPUT
0.6600000	2623
2	
4.1999998	
1.2000000	
3.9000000	
2.5999999	
1.2000000	
2.9000000	954
3	
1.15	
1.5	
1.7000000	
0.9399999	
3.7000000	477
1.6000000	238
4.1999998	

Regression Statistics

Multiple R	0.203367332
R Square	0.041358272
Adjusted R Square	-0.022551177
Standard Error	1.243478145
Observations	17

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.000630241	1.00063	0.647139	0.43370312
Residual	15	23.19356845	1.546238		
Total	16	24.19419869			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-18.19552453	25.35519456	-0.717625	0.484016	-72.2388757	35.84783
X Variable 1	0.00054781	0.000680976	0.804449	0.433703	-0.00090366	0.001999

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	1.813793749	-0.863793761
2	1.846662366	-1.18666234
3	1.897060912	0.102939088
4	1.947459458	2.252540352
5	1.997310193	-0.797310145
6	2.063595237	1.836404859
7	2.097011664	0.502988241
8	2.163844518	-0.96384447
9	2.197260945	0.70273915
10	2.24656387	0.75343613
11	2.296962416	-1.146962416
12	2.347360962	-0.847360962
13	2.397211697	-0.697211649
14	2.446514622	-1.506514625
15	2.496913168	1.20308688
16	2.547311714	-0.94731169
17	2.597162449	1.60283736

Significanc No Trend
Trend: No Trend

Slope 0.000548
P4B CIS T C:\projects\
21
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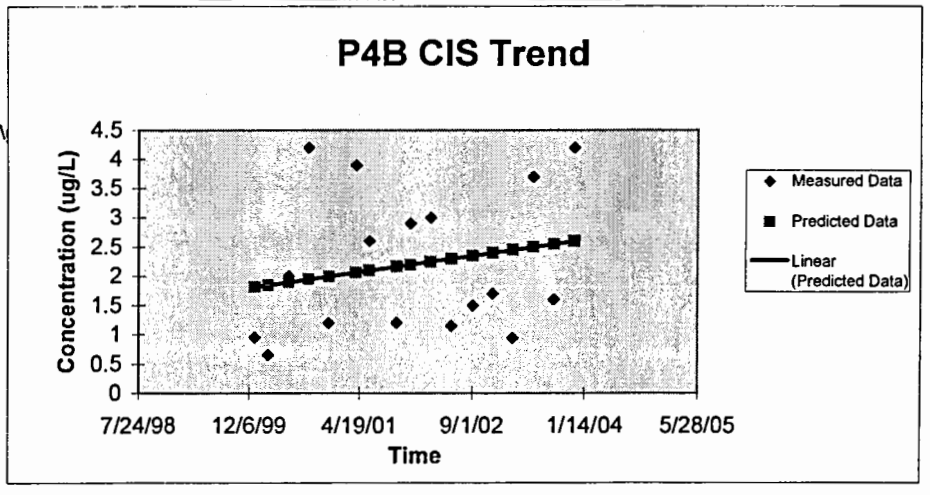
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	
3/1/00	ug/L	0.9
6/1/00	ug/L	1
9/1/00	ug/L	1.1
12/1/00	ug/L	0.75
4/1/01	ug/L	0.9
6/1/01	ug/L	2.4
10/1/01	ug/L	5.5
12/1/01	ug/L	4.3
3/1/02	ug/L	5.6
6/1/02	ug/L	3.9
9/1/02	ug/L	1.9
12/1/02	ug/L	0.6
3/1/03	ug/L	3.2
6/1/03	ug/L	0.83
9/1/03	ug/L	2.5
12/1/03	ug/L	4.4

SUMMARY OUTPUT

0.899999976	
1	
1.100000024	
0.75	
0.899999976	
2.400000095	
5.5	
4.300000191	
5.599999905	
3.900000095	
1.899999976	
0.6	
3.200000048	
0.829999983	
2.5	
4.400000095	

Regression Statistics

Multiple R	0.333036194
R Square	0.110913106
Adjusted R Square	0.0474069
Standard Error	1.728911221
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	5.22049979	5.2205	1.746492	0.207508612
Residual	14	41.84787616	2.989134		
Total	15	47.06837595			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-48.3541733	38.47274901	-1.256842	0.229376	-130.870087	34.16174
X Variable 1	0.001363926	0.001032066	1.321549	0.207509	-0.00084964	0.003577

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	1.546419829	-0.646419853
2	1.671901013	-0.671901013
3	1.797382196	-0.697382172
4	1.921499453	-1.171499453
5	2.086534488	-1.186534511
6	2.169733968	0.230266128
7	2.336132928	3.163867072
8	2.419332408	1.880667783
9	2.54208574	3.057914165
10	2.667566923	1.232433173
11	2.793048106	-0.89304813
12	2.917165363	-2.317165363
13	3.039918695	0.160081353
14	3.165399878	-2.335399894
15	3.290881061	-0.790881061
16	3.414998318	0.985001777

Significanc No Trend
Trend: No Trend

Slope 0.00137
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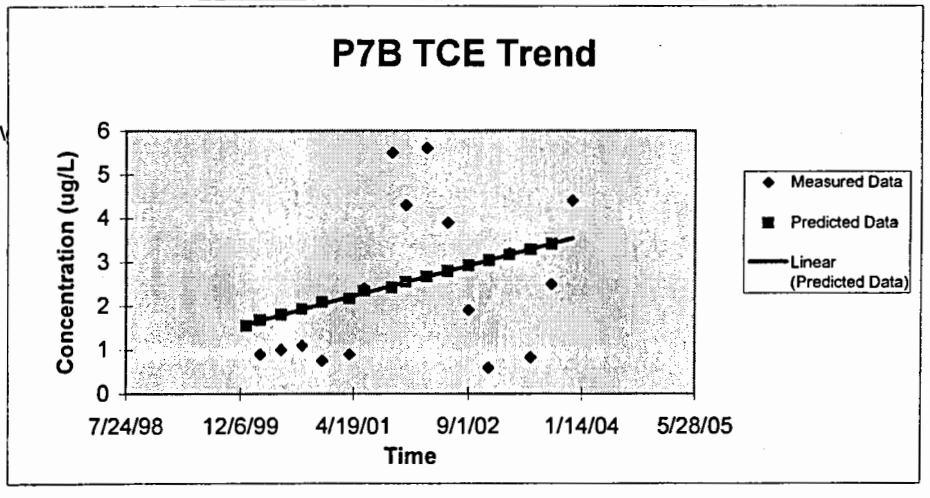
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	
3/1/00	ug/L	0.75
6/1/00	ug/L	0.43
9/1/00	ug/L	0.58
12/1/00	ug/L	0.53
4/1/01	ug/L	0.61
6/1/01	ug/L	0.88
10/1/01	ug/L	2.3
12/1/01	ug/L	1.6
3/1/02	ug/L	2.2
6/1/02	ug/L	2.5
9/1/02	ug/L	1.3
12/1/02	ug/L	1.3
3/1/03	ug/L	0.99
6/1/03	ug/L	1.4
9/1/03	ug/L	1.4
12/1/03	ug/L	2

	0.75
	0.43
	0.5799999
	0.5299999
	0.6100000
	0.8799999
	2.2999999
	1.6000000238
	2.2000000
	2.5
	1.3
	1.3
	0.9900000
	1.4
	1.4
	2

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.553351243
R Square	0.306197598
Adjusted R Square	0.256640283
Standard Error	0.579193874
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	2.072726191	2.072726	6.178656	0.026180107
Residual	14	4.69651761	0.335466		
Total	15	6.769243801			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-30.7368275	12.88856262	-2.384814	0.031779	-58.3800696	-3.093585
X Variable 1	0.00085942	0.000345747	2.48569	0.02618	0.000117866	0.001601

Significant

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	0.705930568	0.044069432
2	0.784997253	-0.354997253
3	0.864063938	-0.284063955
4	0.942271203	-0.412271232
5	1.046261082	-0.436261068
6	1.098685732	-0.218685737
7	1.203535032	1.09646492
8	1.255959682	0.344040342
9	1.333307526	0.866692522
10	1.412374211	1.087625789
11	1.491440896	-0.191440896
12	1.569648161	-0.269648161
13	1.646996005	-0.656995996
14	1.72606269	-0.32606269
15	1.805129375	-0.405129375
16	1.88333664	0.11666336

Significanc Significant
Trend: Upward

Slope 0.000863
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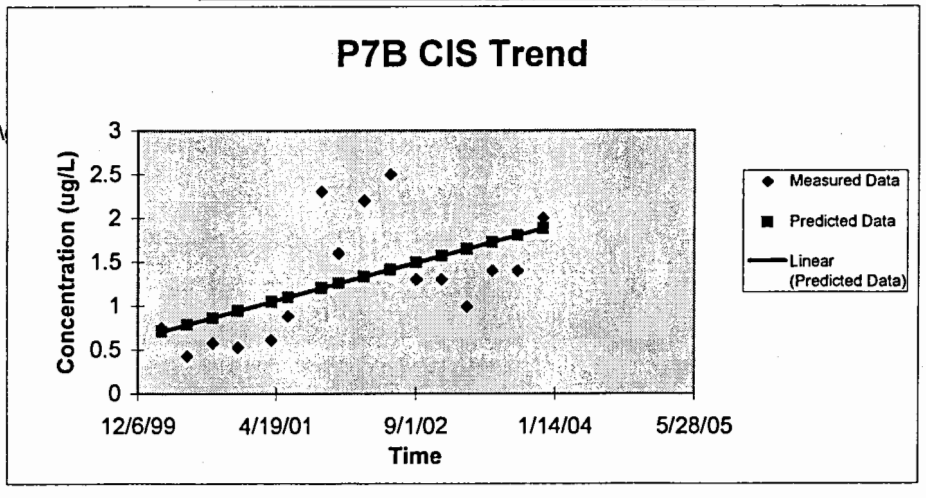
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L		
3/1/00	ug/L	12	12
6/1/00	ug/L	10	10
9/1/00	ug/L	13	13
12/1/00	ug/L	12	12
4/1/01	ug/L	14	14
6/1/01	ug/L	15	15
10/1/01	ug/L	14	14
12/1/01	ug/L	8.2	8.1999998093
3/1/02	ug/L	13	13
6/1/02	ug/L	12	12
9/1/02	ug/L	14	14
12/1/02	ug/L	16	16
3/1/03	ug/L	12	12
6/1/03	ug/L	11	11
9/1/03	ug/L	11	11
12/1/03	ug/L	8.7	8.6999998

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.158193826
R Square	0.025025287
Adjusted R Square	-0.044615764
Standard Error	2.198102088
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.736238821	1.736239	0.359347	0.558446484
Residual	14	67.64313907	4.831653		
Total	15	69.37937789			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	41.56333695	48.91346005	0.849732	0.409771	-63.3456943	146.4724
X Variable 1	-0.000786574	0.001312147	-0.599455	0.558446	-0.00360085	0.002028

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	12.78574847	-0.785748474
2	12.71338369	-2.713383686
3	12.6410189	0.358981102
4	12.56944068	-0.569440684
5	12.47426526	1.525734744
6	12.42628425	2.573715745
7	12.33032225	1.669677747
8	12.28234125	-4.082341443
9	12.21154961	0.788450388
10	12.13918482	-0.139184824
11	12.06682004	1.933179964
12	11.99524182	4.004758179
13	11.92445018	0.075549819
14	11.85208539	-0.852085392
15	11.7797206	-0.779720604
16	11.70814239	-3.008142581
17	7.370023764	0.129976236

Significanc No Trend
Trend: No Trend

Slope -0.001718
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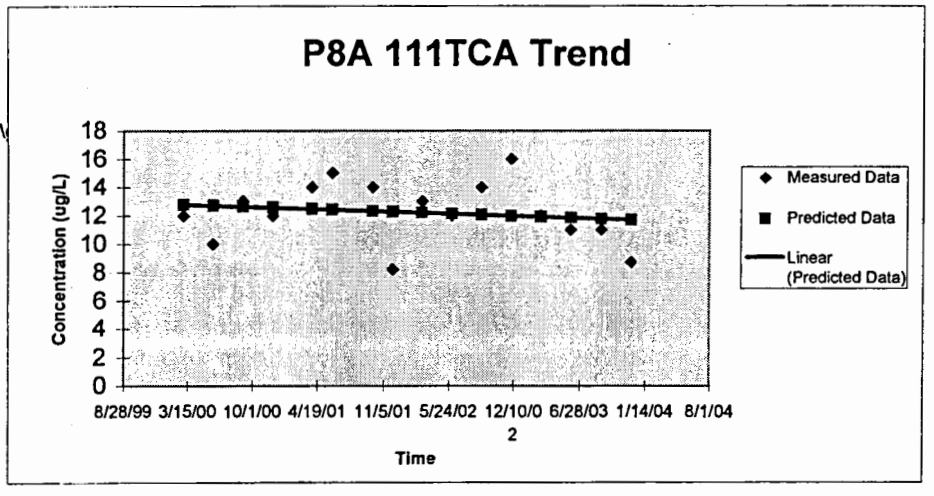
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	
3/1/00	ug/L	3.9
6/1/00	ug/L	4
9/1/00	ug/L	3.7
12/1/00	ug/L	3.1
4/1/01	ug/L	3.9
6/1/01	ug/L	4.4
10/1/01	ug/L	4.2
12/1/01	ug/L	2.8
3/1/02	ug/L	4.7
6/1/02	ug/L	3.5
9/1/02	ug/L	3.9
12/1/02	ug/L	3.5
3/1/03	ug/L	3.8
6/1/03	ug/L	3.1
9/1/03	ug/L	2.8
12/1/03	ug/L	2.6

	SUMMARY OUTPUT
3.900000095	4
4	
3.700000	
3.099999	
3.900000	
4.400000	
4.199999	
2.799999952	3
4.699999	
3.5	
3.900000	
3.5	
3.799999	
3.099999904	6
2.799999952	3
2.599999	

Regression Statistics

Multiple R	0.469634025
R Square	0.220556117
Adjusted R Square	0.164881554
Standard Error	0.552575962
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.209612504	1.209613	3.961524	0.066444803
Residual	14	4.274762711	0.30534		
Total	15	5.484375215			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	28.09113239	12.29624519	2.284529	0.038461	1.71828594	54.46398
X Variable 1	-0.000656535	0.000329858	-1.990358	0.066445	-0.00136401	5.09E-05

Significant

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	4.071143611	-0.171143516
2	4.010742393	-0.010742393
3	3.950341175	-0.250341127
4	3.890596491	-0.790596587
5	3.811155759	0.088844337
6	3.771107125	0.62889297
7	3.691009857	0.508989952
8	3.650961224	-0.850961271
9	3.591873075	1.108126734
10	3.531471857	-0.031471857
11	3.471070639	0.428929456
12	3.411325956	0.088674044
13	3.352237808	0.447762145
14	3.291836589	-0.191836685
15	3.231435371	-0.431435419
16	3.171690688	-0.571690784

Significanc Significant
Trend: Downward

Slope -0.00066
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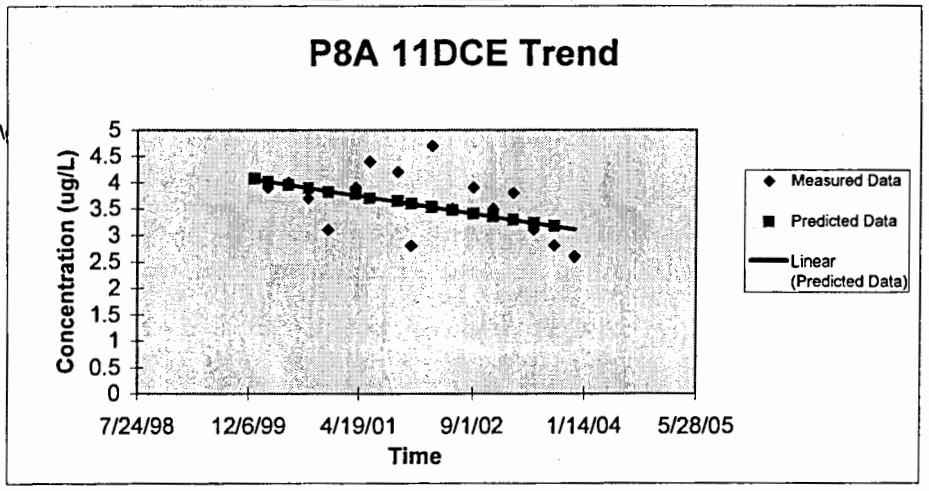
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	
3/1/00	ug/L	35
6/1/00	ug/L	38
9/1/00	ug/L	41
12/1/00	ug/L	43
4/1/01	ug/L	49
6/1/01	ug/L	52
10/1/01	ug/L	47
12/1/01	ug/L	30
3/1/02	ug/L	49
6/1/02	ug/L	38
9/1/02	ug/L	51
12/1/02	ug/L	47
3/1/03	ug/L	42
6/1/03	ug/L	41
9/1/03	ug/L	40
12/1/03	ug/L	33

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.034854079
R Square	0.001214807
Adjusted R Square	-0.070126993
Standard Error	6.762402937
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.778691167	0.778691	0.017028	0.898034217
Residual	14	640.2213088	45.73009		
Total	15	641			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	61.88521861	150.4809661	0.411249	0.687116	-260.864641	384.6351
X Variable 1	-0.000526766	0.004036787	-0.130491	0.898034	-0.00918482	0.008131

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	42.61297438	-7.612974383
2	42.56451195	-4.564511953
3	42.51604952	-1.516049523
4	42.46811386	0.531886142
5	42.40437523	6.595624773
6	42.37224253	9.627757471
7	42.30797713	4.692022867
8	42.27584443	-12.27584443
9	42.22843554	6.771564464
10	42.17997311	-4.179973105
11	42.13151068	8.868489325
12	42.08357501	4.916424989
13	42.03616611	-0.036166112
14	41.98770368	-0.987703682
15	41.93924125	-1.939241251
16	41.89130559	-8.891305587

Significanc No Trend
Trend: No Trend

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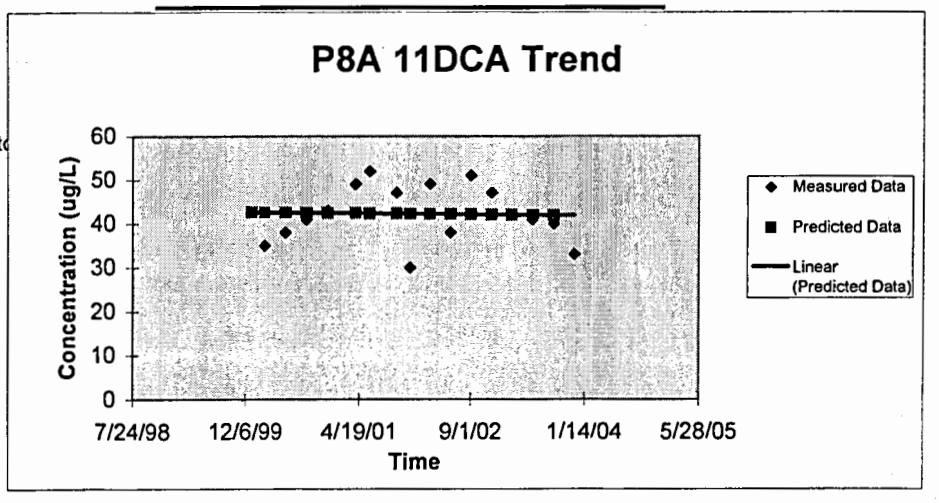
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L		
3/1/00	ug/L	37	37
6/1/00	ug/L	28	28
9/1/00	ug/L	11	11
12/1/00	ug/L	14	14
4/1/01	ug/L	23	23
6/1/01	ug/L	28	28
10/1/01	ug/L	35	35
12/1/01	ug/L	27	27
3/1/02	ug/L	46	46
6/1/02	ug/L	33	33
9/1/02	ug/L	37	37
12/1/02	ug/L	28	28
3/1/03	ug/L	36	36
6/1/03	ug/L	27	27
9/1/03	ug/L	25	25
12/1/03	ug/L	20	20

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.135517335
R Square	0.018364948
Adjusted R Square	-0.051751841
Standard Error	9.195458975
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	22.14697946	22.14698	0.261919	0.61678159
Residual	14	1183.790521	84.55647		
Total	15	1205.9375			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-76.2778547	204.6227596	-0.372773	0.7149	-515.150416	362.5947
X Variable 1	0.00280926	0.005489189	0.511781	0.616782	-0.00896389	0.014582

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	26.50174405	10.49825595
2	26.760196	1.239804001
3	27.01864795	-16.01864795
4	27.27429064	-13.27429064
5	27.61421114	-4.614211142
6	27.78557602	0.214423977
7	28.12830578	6.871694216
8	28.29967066	-1.299670665
9	28.5525041	17.4474959
10	28.81095605	4.189043954
11	29.069408	7.930592003
12	29.32505069	-1.325050688
13	29.57788412	6.422115881
14	29.83633607	-2.83633607
15	30.09478802	-5.094788021
16	30.35043071	-10.35043071

Significanc No Trend
Trend: No Trend

Slope 0.002822
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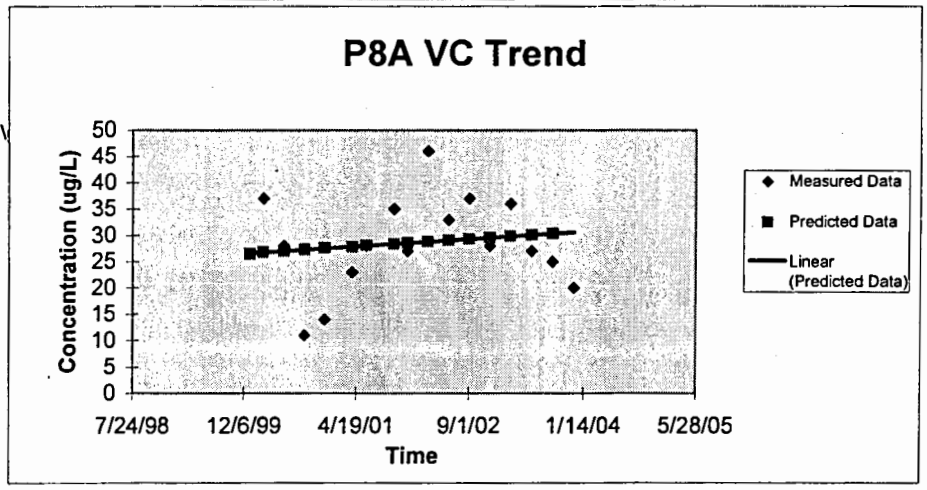
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L		
3/1/00	ug/L	69	69
6/1/00	ug/L	76	76
9/1/00	ug/L	88	88
12/1/00	ug/L	93	93
4/1/01	ug/L	90	90
6/1/01	ug/L	90	90
10/1/01	ug/L	73	73
12/1/01	ug/L	42	42
3/1/02	ug/L	72	72
6/1/02	ug/L	69	69
9/1/02	ug/L	73	73
12/1/02	ug/L	79	79
3/1/03	ug/L	70	70
6/1/03	ug/L	59	59
9/1/03	ug/L	69	69
12/1/03	ug/L	71	71

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.396370863
R Square	0.157109861
Adjusted R Square	0.096903422
Standard Error	12.15247426
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	385.3806696	385.3807	2.609519	0.128528116
Residual	14	2067.55683	147.6826		
Total	15	2452.9375			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	510.7530399	270.4240024	1.888712	0.079826	-69.2492763	1090.755
X Variable 1	-0.011718707	0.007254366	-1.615401	0.128528	-0.02727779	0.00384

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	82.01242162	-13.01242162
2	80.93430056	-4.934300564
3	79.85617951	8.14382049
4	78.78977716	14.21022284
5	77.3718136	12.6281864
6	76.65697247	13.34302753
7	75.2272902	-2.227290201
8	74.51244907	-32.51244907
9	73.45776543	-1.457765428
10	72.37964437	-3.379644374
11	71.30152332	1.698476681
12	70.23512097	8.764879028
13	69.18043733	0.819562667
14	68.10231628	-9.102316278
15	67.02419522	1.975804776
16	65.95779288	5.042207123

Significanc No Trend
Trend: No Trend

Slope -0.011773
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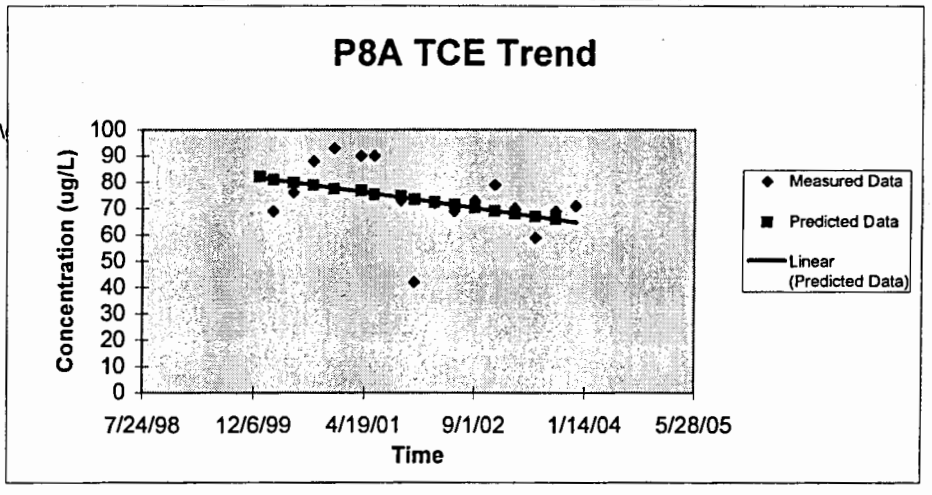
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	
3/1/00	ug/L	1.6
6/1/00	ug/L	1
9/1/00	ug/L	1.6
12/1/00	ug/L	3.5
4/1/01	ug/L	1.8
6/1/01	ug/L	1.9
10/1/01	ug/L	1.8
12/1/01	ug/L	0.93
3/1/02	ug/L	1.9
6/1/02	ug/L	1.25
9/1/02	ug/L	1.9
12/1/02	ug/L	5.6
3/1/03	ug/L	1.6
6/1/03	ug/L	1.7
9/1/03	ug/L	1.7
12/1/03	ug/L	1.4

	1.600000024
1	1
1.6	1.600000024
3.5	3.5
1.8	1.799999952
1.9	1.899999976
1.8	1.799999952
0.93	0.930000007
1.9	1.899999976
1.25	1.25
1.9	1.899999976
5.6	5.599999905
1.6	1.600000024
1.7	1.700000048
1.7	1.700000048
1.4	1.399999976

SUMMARY OUTPUT

Regression Statistics

Multiple R	0.099100045
R Square	0.009820819
Adjusted R Square	-0.060906265
Standard Error	1.159394113
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0.186648339	0.186648	0.138855	0.715002498
Residual	14	18.81872591	1.344195		
Total	15	19.00537425			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-7.664388111	25.79951946	-0.297075	0.770771	-62.9989032	47.67013
X Variable 1	0.000257897	0.000692095	0.372633	0.715002	-0.0012265	0.001742

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	1.771042632	-0.171042609
2	1.794769184	-0.794769184
3	1.818495736	-0.218495712
4	1.841964391	1.658035609
5	1.873169965	-0.073170012
6	1.8889017	0.011098276
7	1.920365171	-0.120365219
8	1.936096907	-1.006096899
9	1.959307664	-0.059307688
10	1.983034216	-0.733034216
11	2.006760768	-0.106760791
12	2.030229422	3.569770482
13	2.05344018	-0.453440156
14	2.077166732	-0.377166684
15	2.100893283	-0.400893236
16	2.124361938	-0.724361962

Significanc No Trend
Trend: No Trend

Slope 0.000259
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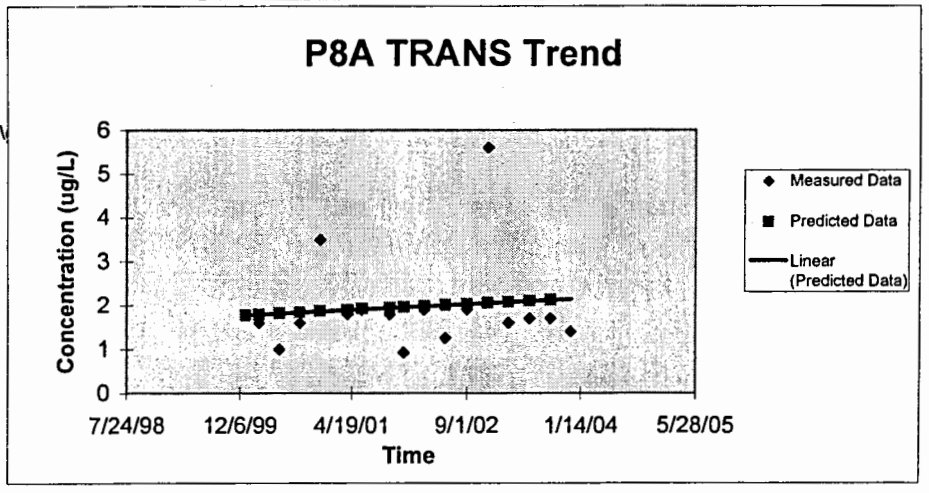
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L		
3/1/00	ug/L	120	120
6/1/00	ug/L	140	140
9/1/00	ug/L	150	150
12/1/00	ug/L	150	150
4/1/01	ug/L	160	160
6/1/01	ug/L	170	170
10/1/01	ug/L	160	160
12/1/01	ug/L	98	98
3/1/02	ug/L	160	160
6/1/02	ug/L	130	130
9/1/02	ug/L	160	160
12/1/02	ug/L	140	140
3/1/03	ug/L	130	130
6/1/03	ug/L	130	130
9/1/03	ug/L	140	140
12/1/03	ug/L	120	120

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.216815234
R Square	0.047008846
Adjusted R Square	-0.021061951
Standard Error	19.42594861
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	260.6052881	260.6053	0.690588	0.41991211
Residual	14	5283.144712	377.3675		
Total	15	5543.75			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	500.3319482	432.27763	1.157432	0.266462	-426.812183	1427.476
X Variable 1	-0.009636656	0.011596234	-0.831016	0.419912	-0.03450813	0.015235

No Trend

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	147.7652582	-27.76525816
2	146.8786858	-6.878685819
3	145.9921135	4.007886517
4	145.1151778	4.884822197
5	143.9491424	16.05085755
6	143.3613064	26.63869356
7	142.1856344	17.81436557
8	141.5977984	-43.59779843
9	140.7304994	19.2695006
10	139.8439271	-9.843927066
11	138.9573547	21.04264527
12	138.080419	1.91958095
13	137.21312	-7.213120026
14	136.3265477	-6.326547689
15	135.4399754	4.560024647
16	134.5630397	-14.56303967
17	2.597162449	1.60283736

Significanc No Trend
Trend: No Trend

Slope -0.03818
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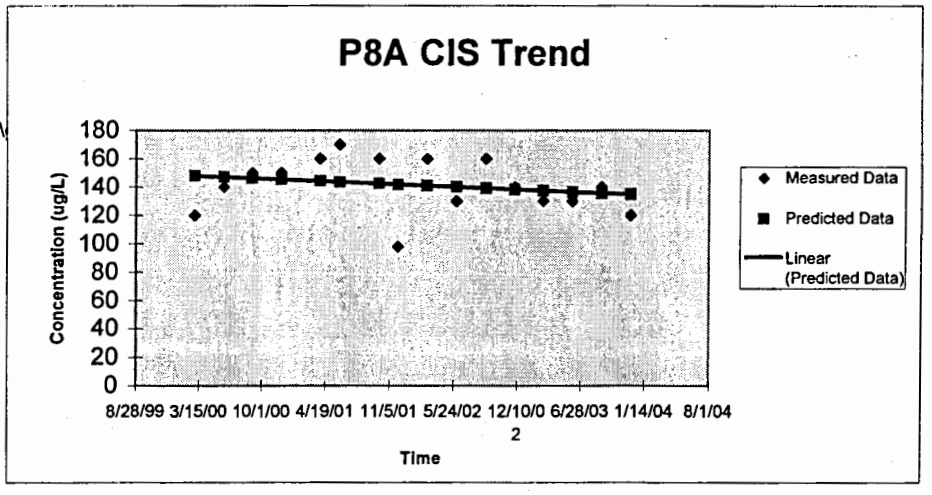
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	
3/1/00	ug/L	0.85
6/1/00	ug/L	1
9/1/00	ug/L	1.1
12/1/00	ug/L	1.2
4/1/01	ug/L	1.1
6/1/01	ug/L	1.4
10/1/01	ug/L	1.8
12/1/01	ug/L	1.1
3/1/02	ug/L	1.5
6/1/02	ug/L	1.7
9/1/02	ug/L	1.7
12/1/02	ug/L	2.15
3/1/03	ug/L	1.6
6/1/03	ug/L	3
9/1/03	ug/L	3.75
12/1/03	ug/L	3

	0.85
1	1
1.1000000	1.1
1.2000000	1.2
1.1000000	1.1
1.3999999	1.4
1.7999999	1.8
1.1	1.1
1.5	1.5
1.7000000	1.7
1.7000000	1.7
2.15	2.15
1.6000000	1.6
3	3
3.75	3.75
3	3

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.85213829
R Square	0.726139664
Adjusted R Square	0.706578212
Standard Error	0.451959522
Observations	16

ANOVA

477	*df*	*SS*	*MS*	*F*	*Significance F*
Regression	1	7.582599901	7.5826	37.12095	2.77693E-05
Residual	14	2.85974373	0.204267		
Total	15	10.44234363			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-59.52514342	10.05726901	-5.918619	3.75E-05	-81.0958593	-37.95443
X Variable 1	0.00164378	0.000269795	6.092696	2.78E-05	0.001065127	0.002222

Significant

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	0.614207553	0.235792447
2	0.765435353	0.234564647
3	0.916663153	0.183336871
4	1.066247173	0.133752875
5	1.265144605	-0.165144582
6	1.365415212	0.034584764
7	1.565956425	0.234043527
8	1.666227031	-0.566227031
9	1.81416727	-0.31416727
10	1.96539507	-0.265395023
11	2.11662287	-0.416622823
12	2.26620689	-0.11620689
13	2.414147129	-0.814147105
14	2.565374929	0.434625071
15	2.716602729	1.033397271
16	2.866186749	0.133813251

Significanc Significant
Trend: Upward

Slope 0.001651
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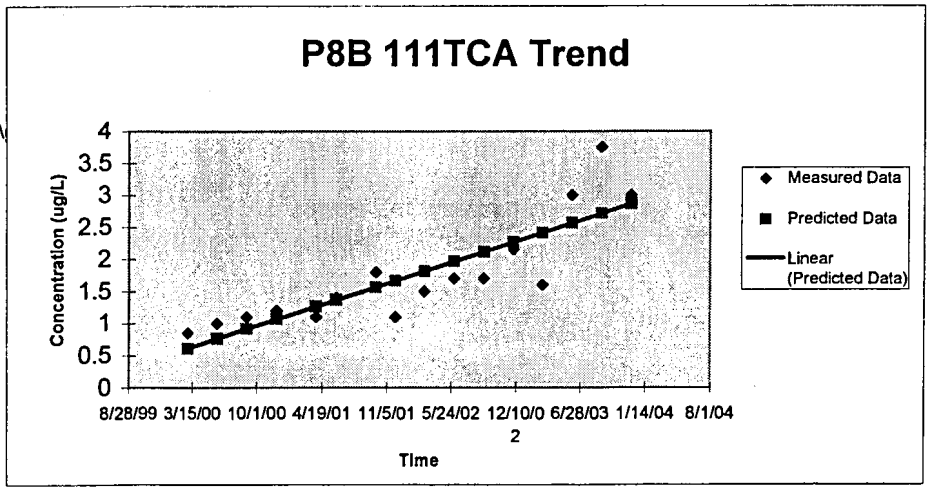
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	
3/1/00	ug/L	0.75
6/1/00	ug/L	1.35
9/1/00	ug/L	1.35
12/1/00	ug/L	0.91
4/1/01	ug/L	0.91
6/1/01	ug/L	0.91
10/1/01	ug/L	1.1
12/1/01	ug/L	1.1
3/1/02	ug/L	1.4
6/1/02	ug/L	1.35
9/1/02	ug/L	1.3
12/1/02	ug/L	1.85
3/1/03	ug/L	1.4
6/1/03	ug/L	1.9
9/1/03	ug/L	2.35
12/1/03	ug/L	1.9

	0.75
	1.35
	1.35
	0.91
	0.91
	0.91
	1.1
	1.1
	1.4
	1.35
	1.3
	1.85
	1.4
	1.9
	2.35
	1.9

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.793657709
R Square	0.629892559
Adjusted R Square	0.603456313
Standard Error	0.278075262
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.84243174	1.842432	23.82685	0.000242637
Residual	14	1.082561916	0.077326		
Total	15	2.924993656			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-28.83853719	6.187894218	-4.660477	0.000368	-42.1102621	-15.56681
X Variable 1	0.000810271	0.000165996	4.881276	0.000243	0.000454245	0.001166

Significant

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	0.806047456	-0.056047456
2	0.880592412	0.469407588
3	0.955137369	0.394862631
4	1.028872055	-0.118872028
5	1.126914878	-0.216914852
6	1.176341426	-0.266341399
7	1.27519452	-0.175194497
8	1.324621068	-0.224621044
9	1.397545482	0.002454494
10	1.472090439	-0.122090439
11	1.546635395	-0.246635443
12	1.620370081	0.229629919
13	1.693294495	-0.293294519
14	1.767839452	0.132160548
15	1.842384409	0.507615591
16	1.916119094	-0.016119094

Significanc Significant
Trend: Upward

Slope 0.000814
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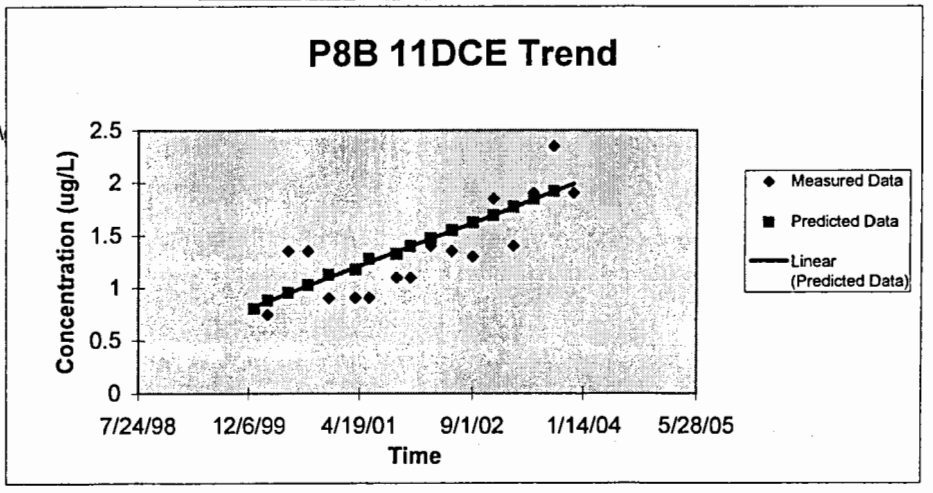
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	
3/1/00	ug/L	0.95
6/1/00	ug/L	0
9/1/00	ug/L	1
12/1/00	ug/L	0.96
4/1/01	ug/L	1.1
6/1/01	ug/L	1.3
10/1/01	ug/L	1.6
12/1/01	ug/L	1.4
3/1/02	ug/L	1.6
6/1/02	ug/L	1.5
9/1/02	ug/L	1.8
12/1/02	ug/L	2
3/1/03	ug/L	1.6
6/1/03	ug/L	1.7
9/1/03	ug/L	3.1
12/1/03	ug/L	2.5

0.95	0.95
0	0
1	1
0.96	0.9599999
1.1	1.1000000
1.3	1.2999999
1.6	1.6000000
1.4	1.3999997
1.6	1.6000000
1.5	1.5
1.8	1.7999999
2	2
1.6	1.6000000
1.7	1.7000000
3.1	3.1
2.5	2.5

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.863861913
R Square	0.746257405
Adjusted R Square	0.728132933
Standard Error	0.363077828
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	5.427786653	5.427787	41.17402	1.60917E-05
Residual	14	1.845557129	0.131826		
Total	15	7.273343783			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-50.3330663	8.079421302	-6.229786	2.2E-05	-67.661717	-33.00442
X Variable 1	0.001390741	0.000216738	6.416699	1.61E-05	0.000925884	0.001856

Significant

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	0.548567833	0.401432167
2	0.676515964	-0.676515964
3	0.804464096	0.195535904
4	0.931021487	0.028978492
5	1.099301095	0.000698929
6	1.184136269	0.115863683
7	1.353806617	0.246193407
8	1.438641791	-0.038641815
9	1.563808442	0.036191582
10	1.691756573	-0.191756573
11	1.819704705	-0.019704753
12	1.946262096	0.053737904
13	2.071428746	-0.471428723
14	2.199376878	-0.49937683
15	2.327325009	0.772674991
16	2.4538824	0.0461176

Significanc Significant
Trend: Upward

Slope 0.001397
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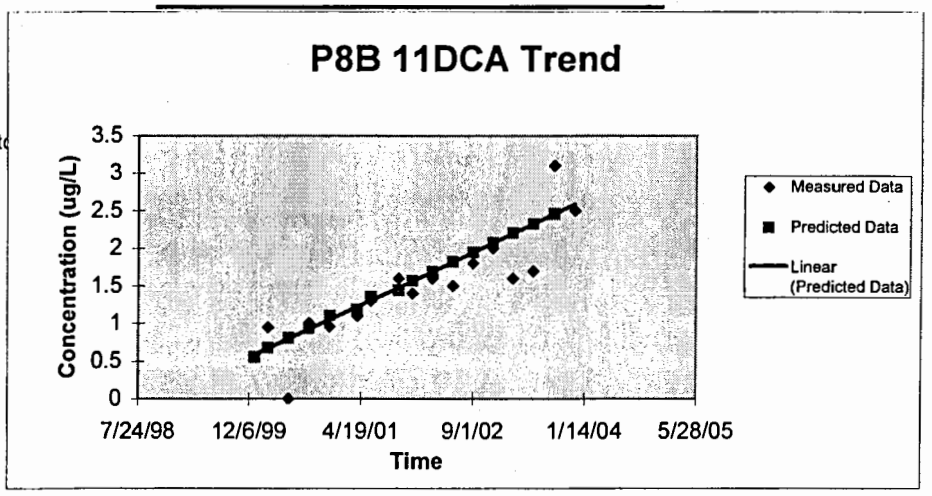
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	
3/1/00	ug/L	0.27
6/1/00	ug/L	0
9/1/00	ug/L	0.77
12/1/00	ug/L	0.66
4/1/01	ug/L	0.99
6/1/01	ug/L	1.4
10/1/01	ug/L	1.8
12/1/01	ug/L	3.1
3/1/02	ug/L	4.4
6/1/02	ug/L	3.1
9/1/02	ug/L	8.2
12/1/02	ug/L	15
3/1/03	ug/L	12
6/1/03	ug/L	9
9/1/03	ug/L	12
12/1/03	ug/L	21

	0.27
	0
	0.7699999
	0.6600000
	0.9900000
	1.3999999
	1.7999999
	3.0999999046
	4.4000000
	3.0999999046
	8.1999998
	15
	12
	9
	12
	21

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.87999247
R Square	0.774386747
Adjusted R Square	0.758271515
Standard Error	3.108196953
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	464.2355578	464.2356	48.05309	6.9596E-06
Residual	14	135.2524362	9.660888		
Total	15	599.4879941			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-473.5711863	69.16542608	-6.846935	7.97E-06	-621.916403	-325.226
X Variable 1	0.012861865	0.001855424	6.932034	6.96E-06	0.008882372	0.016841

Significant

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	-3.007003679	3.277003679
2	-1.823712125	1.823712125
3	-0.640420571	1.410420552
4	0.530009118	0.129990908
5	2.086294749	-1.09629474
6	2.870868497	-1.470868521
7	4.440015993	-2.640016041
8	5.224589741	-2.124589836
9	6.382157566	-1.98215747
10	7.56544912	-4.465449215
11	8.748740674	-0.548740865
12	9.919170363	5.080829637
13	11.07673819	0.923261812
14	12.26002974	-3.260029742
15	13.4433213	-1.443321296
16	14.61375099	6.386249014

Significanc Significant
Trend: Upward

Slope 0.012922
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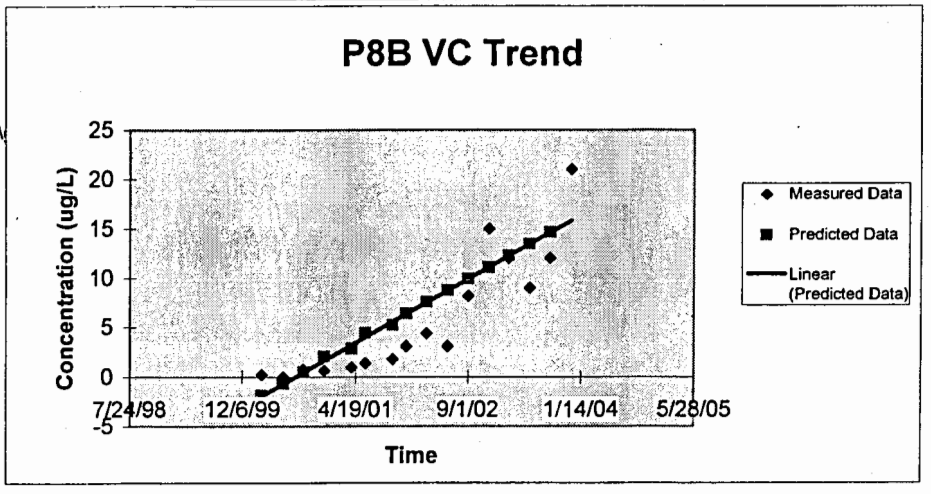
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	
3/1/00	ug/L	51 51
6/1/00	ug/L	89 89
9/1/00	ug/L	95 95
12/1/00	ug/L	100 100
4/1/01	ug/L	110 110
6/1/01	ug/L	130 130
10/1/01	ug/L	120 120
12/1/01	ug/L	110 110
3/1/02	ug/L	130 130
6/1/02	ug/L	150 150
9/1/02	ug/L	160 160
12/1/02	ug/L	150 150
3/1/03	ug/L	160 160
6/1/03	ug/L	140 140
9/1/03	ug/L	170 170
12/1/03	ug/L	120 120

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.818096983
R Square	0.669282674
Adjusted R Square	0.645660008
Standard Error	18.68722552
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	9893.963935	9893.964	28.33222	0.000107625
Residual	14	4888.973565	349.2124		
Total	15	14782.9375			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-2089.227278	415.8391293	-5.024124	0.000186	-2981.1143	-1197.34
X Variable 1	0.059377225	0.011155257	5.322802	0.000108	0.035451558	0.083303

Significant

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	83.14788081	-32.14788081
2	88.61058552	0.38941448
3	94.07329023	0.926709768
4	99.47661772	0.523382281
5	106.661262	3.33873804
6	110.2832727	19.71672731
7	117.5272942	2.472705841
8	121.1493049	-11.14930489
9	126.4932552	3.506744846
10	131.9559599	18.04404013
11	137.4186646	22.58133542
12	142.8219921	7.178007935
13	148.1659423	11.83405767
14	153.628647	-13.62864704
15	159.0913518	10.90864825
16	164.4946792	-44.49467924

Significanc Significant
Trend: Upward

Slope 0.059653
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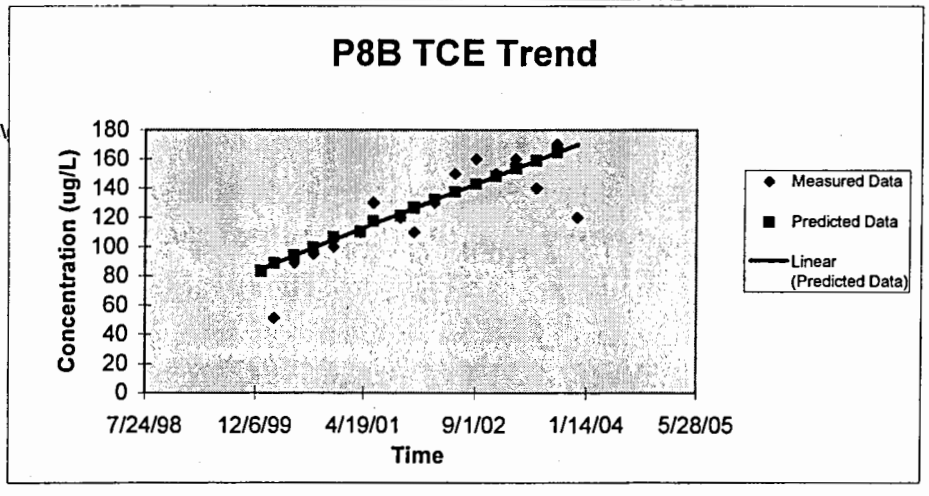
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L		
3/1/00	ug/L	1	1
6/1/00	ug/L	0	0
9/1/00	ug/L	1.9	1.8999999
12/1/00	ug/L	1.1	1.1000000
4/1/01	ug/L	1	1
6/1/01	ug/L	4.5	4.5
10/1/01	ug/L	1.5	1.5
12/1/01	ug/L	1.2	1.2000000477
3/1/02	ug/L	1.6	1.6000000
6/1/02	ug/L	2.5	2.5
9/1/02	ug/L	2.4	2.4000000
12/1/02	ug/L	2.65	2.65
3/1/03	ug/L	1.4	1.3999999
6/1/03	ug/L	2.95	2.95
9/1/03	ug/L	2.2	2.2000000477
12/1/03	ug/L	2.2	2.2000000

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.43819685
R Square	0.192016479
Adjusted R Square	0.134303371
Standard Error	0.963023151
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	3.085584827	3.085585	3.327086	0.089561395
Residual	14	12.98379024	0.927414		
Total	15	16.06937507			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-37.20480706	21.42975736	-1.736128	0.104485	-83.1671062	8.757492
X Variable 1	0.001048585	0.000574872	1.82403	0.089561	-0.0001844	0.002282

Significant

RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	1.158709678	-0.158709678
2	1.255179463	-1.255179463
3	1.351649248	0.548350729
4	1.447070448	-0.347070424
5	1.573949186	-0.573949186
6	1.637912848	2.862087152
7	1.765840171	-0.265840171
8	1.829803832	-0.629803785
9	1.924176448	-0.324176424
10	2.020646232	0.479353768
11	2.117116017	0.282884079
12	2.212537217	0.437462783
13	2.306909832	-0.906909856
14	2.403379617	0.546620383
15	2.499849401	-0.299849354
16	2.595270601	-0.395270554

Significanc Significant
Trend: Upward

Slope 0.001053
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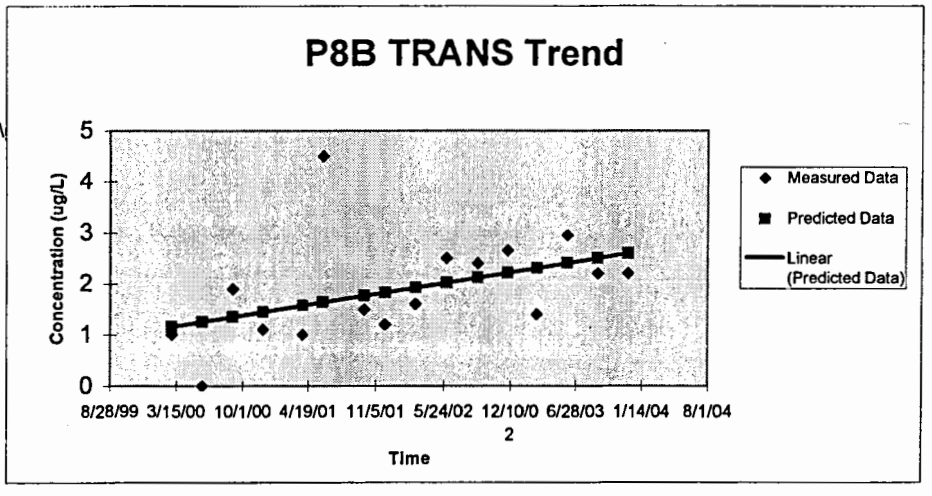
Measured Data
Predicted Data
Concentration (ug/L)
Time



1/1/00	ug/L	
3/1/00	ug/L	69
6/1/00	ug/L	98
9/1/00	ug/L	130
12/1/00	ug/L	130
4/1/01	ug/L	140
6/1/01	ug/L	170
10/1/01	ug/L	180
12/1/01	ug/L	150
3/1/02	ug/L	170
6/1/02	ug/L	180
9/1/02	ug/L	220
12/1/02	ug/L	220
3/1/03	ug/L	190
6/1/03	ug/L	230
9/1/03	ug/L	270
12/1/03	ug/L	220

	69
	98
	130
	130
	140
	170
	180
	150
	170
	180
	220
	220
	190
	230
	270
	220

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.93075755
R Square	0.866309618
Adjusted R Square	0.856760305
Standard Error	19.89446607
Observations	16

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	35905.88058	35905.88	90.71957	1.70172E-07
Residual	14	5541.056925	395.7898		
Total	15	41446.9375			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	-4043.40525	442.703356	-9.133442	2.84E-07	-4992.91036	-3093.9
X Variable 1	0.113114304	0.011875913	9.524682	1.7E-07	0.08764298	0.138586

Significant

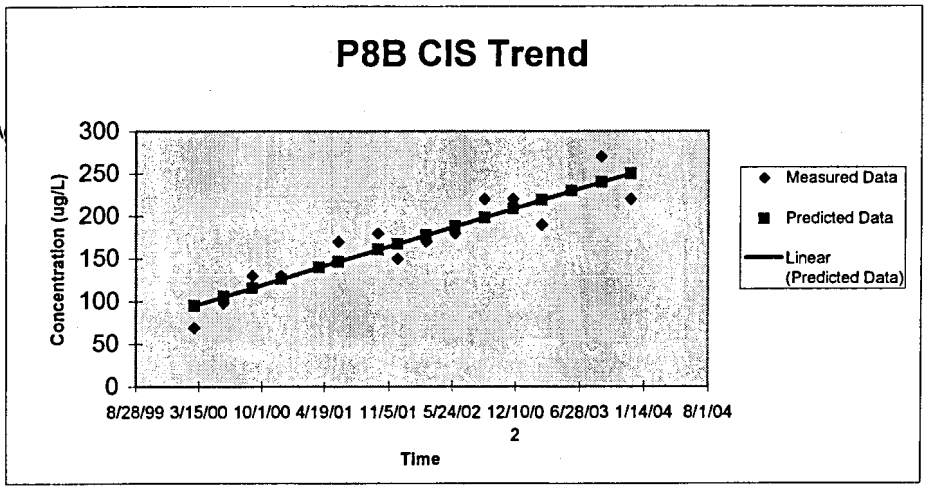
RESIDUAL OUTPUT

Observation	*Predicted Y*	*Residuals*
1	94.99467493	-25.99467493
2	105.4011909	-7.401190893
3	115.8077069	14.19229314
4	126.1011085	3.898891483
5	139.7879393	0.212060704
6	146.6879118	23.31208816
7	160.4878569	19.51214308
8	167.3878295	-17.38782946
9	177.5681168	-7.568116818
10	187.9746328	-7.974632782
11	198.3811487	21.61885125
12	208.6745504	11.32544959
13	218.8548378	-28.85483776
14	229.2613537	0.738646273
15	239.6678697	30.33213031
16	249.9612714	-29.96127135

Significanc Significant
Trend: Upward

Slope 0.11364
P8B CIS T C:\projects\
21
25
35

Measured Data
Predicted Data
Concentration (ug/L)
Time



APPENDIX E

REVISED MONITORING PLAN

APPENDIX E

MONITORING PLAN - 2004
VILLAGE OF GRAFTON

Parameter List

Analysis A. VOCs
Analysis B. Natural Attenuation Parameters - Chloride, Nitrate
Analysis C. Indicator Parameters - pH, Temperature, Conductivity, DO, ORP
Analysis D. Methane, Ethane, Ethene

Well Groups

Well List 1

LH1 - Groundwater within waste
P2A - Downgradient of landfill
P2B - Downgradient of landfill
P4B - Upgradient of landfill
P7B - Downgradient of landfill
P8A - Downgradient of landfill
P8B - (formerly PW1749) - Downgradient of plume

Well List 2

PW1530LR
PW1587LR
PW461HR
PW1716LR**
P3B* - Sidegradient of landfill - west side
PW717HC (Sidegradient of plume - east side)

Monitoring Plan

Well List 1

Quarterly analysis of List A, B, C	(March, June, September, December)
Semi-annual analysis of List D	(P2, P8 nests only)

Well List 2

Semi-annual analysis of List A	(June, December)
*Semi-annual analysis of List A	(March, September)
**Quarterly analysis of List A	(March, June, September, December)