SCS ENGINEERS







2011 Fourth Quarter and Annual Report

Closed Leichner Brothers Landfill
Vancouver, Washington
Consent Decree 96-2-03081-7
Facility ID No. 1017

Prepared for:

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Bureau of Environmental Services
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February 28, 2012
File No. 04212030.06/.18

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Table of Contents

Section **Page**

Table of Contents

Section **Page**

List of Tables

List of Figures

Appendices

Appendix A 2011 Groundwater Elevation Data and Groundwater Elevation Hydrographs

Appendix B Historical Groundwater Analytical Data (Summary Tables)

Appendix C Summary of 2011 Groundwater Statistical Calculations

Appendix D Groundwater Time-Series Concentration Graphs

Appendix E 2011 Landfill Gas Monitoring Probe Data

A complete copy of this report is provided on the attached CD.

1.0 INTRODUCTION

This 2011 fourth quarter and annual report presents the results of groundwater, stormwater, and landfill gas (LFG) monitoring performed during 2011 at the closed Leichner Brothers Landfill (LBLF) located in Vancouver, Washington (Figure 1-1). The report also summarizes landfill maintenance and repairs activities implemented during 2011. SCS Engineers (SCS) performed the monitoring, maintenance, and repair activities and prepared this report on behalf of Clark County Environmental Services (County) and the Leichner Landfill Oversight Committee (LLOC), whose members include the City of Vancouver and Leichner Brothers Land Reclamation Corporation (LBLRC).

Compliance monitoring of groundwater, stormwater (i.e., surface water), and LFG is performed at LBLF to fulfill certain requirements of the 1996 Consent Decree and associated Cleanup Action Plan (CAP), as well as to concurrently fulfill the requirements of LBLF's post-closure monitoring under Minimum Functional Standards (MFS), Chapter 173-304 of the Washington Administrative Code (WAC). Groundwater compliance standards were established in the CAP. Compliance monitoring methods and procedures were performed in accordance with LBLF's Compliance Monitoring Plan (CMP) (EMCON/OWT, Inc. [EMCON], 2005), and subsequent recent modifications to the groundwater and LFG monitoring programs approved by the Washington State Department of Ecology (Ecology) and Clark County Public Health (CCPH) in 2011 (as discussed in Section 2.0).

First, second, and third quarter progress reports for 2011 (SCS, 2011c, 2011f, and 2011h, respectively) were previously submitted to Ecology and CCPH. The quarterly progress reports (1) described groundwater, stormwater and LFG compliance monitoring activities, (2) presented field and analytical results of the compliance monitoring activities, if performed, (3) described monitoring and maintenance of the facility's landfill gas collection and control system (GCCS), and (4) described other pertinent, non-routine activities performed during each quarterly monitoring period. The previously submitted 2011 progress reports included groundwater monitoring field sampling data sheets (FSDSs) that provided field sampling information, laboratory analytical reports, and quality assurance/quality control (QA/QC) reviews of laboratory analytical data; therefore, the previously submitted FSDSs, laboratory reports, and QA/QC reviews are not included with this report.[1]

This 2011 fourth quarter and annual report (1) summarizes first, second, and third quarter 2011 compliance monitoring results, (2) presents fourth quarter monitoring data and results, and (3) provides a comprehensive evaluation of 2011 groundwater data, including statistical analyses of the groundwater data.

1.1 SITE DESCRIPTION

The LBLF is a closed, 70-acre municipal solid waste landfill located in Clark County, Washington, about 5 miles northeast of downtown Vancouver (see Figure 1-1). The landfill operated from the late

[1] Groundwater monitoring is not performed during the fourth quarter period at LBLF, consequently, this report does not include groundwater monitoring FSDSs, laboratory reports, or QA/QC reviews.

1930s until 1991. Landfill closure occurred in phases during the summer seasons of 1989, 1990, 1991, and 1992, and included an engineered composite cap, GCCS, and a stormwater control system.

1.2 HYDROGEOLOGY

The geology beneath the landfill site includes about 70 to 100 feet of alluvium, underlain by the upper member of the Troutdale Formation. The site hydrogeology consists of an approximately 10- to 40-foot thick unsaturated (vadose) zone, and an unconfined alluvial water-bearing zone (WBZ) which ranges in thickness from 35 to 45 feet. The alluvium generally consists of sand, and gravelly to silty sand. Underlying the alluvial WBZ is the upper member of the Troutdale Formation aquifer. The Troutdale Formation aquifer generally consists of sandy to cobbly gravel with minor amounts of silt and clay. The alluvial WBZ and Troutdale Formation aquifer are separated by a silt aquitard (sandy silt and clayey silt) east and south of the landfill. Southwest of the landfill, the silt aquitard is absent and the two aquifers are locally in hydraulic communication. The Troutdale Formation aquifer and overlying aquitard have not been evaluated in the northern and western portions of the site.

1.3 REPORT ORGANIZATION

The remainder of this report is organized as follows:

- Section 2.0 describes monitoring changes implemented in 2011 as approved by Ecology and CCPH.
- Section 3.0 summarizes 2011 compliance groundwater monitoring activities and results.
- Section 4.0 summarizes 2011 compliance stormwater monitoring activities and results.
- Section 5.0 summarizes 2011 compliance LFG probe monitoring activities and results.
- Section 6.0 summarizes maintenance and repair activities performed during 2011.

Supporting documentation is attached in the following:

- Appendix A: 2011 groundwater elevation data and groundwater elevation hydrographs.
- Appendix B: Historical groundwater analytical data summary tables.
- Appendix C: Summary of 2011 groundwater statistical calculations.
- Appendix D: Time-concentration diagrams for inorganic parameters and dissolved metal in groundwater collected from site monitoring wells.
- Appendix E: 2011 landfill gas monitoring probe data.

A complete copy of this report is provided on the attached CD.

2.0 2011 MONITORING PROGRAM CHANGES

2.1 ECOLOGY'S FIVE-YEAR PERIOD REVIEW

Ecology prepared and submitted for public comment a Draft Periodic Review (DPR) document dated December 2010 (Ecology, 2010). The DPR was prepared to satisfy WAC 173-340-420(2) requiring Ecology to conduct a periodic review of sites undergoing cleanup under the Model Toxics Control Act (MTCA) or under an order, agreed order or consent decree. As stated in DPR, the purpose of Ecology's periodic review was to determine whether the cleanup remedy at the closed LBLF continues to be protective of human health and the environment.

A primary conclusion stated in the DPR was that the remedial actions implemented at LBLR can be considered protective of human health and the environment with respect to refuse encapsulation, LFG control, surface water quality, and groundwater quality protection. The DPR indicated, however, that future groundwater monitoring at LBLR should include laboratory testing for specific conductivity. The DPR further indicated that laboratory analyses for two volatile organic compounds (VOCs: vinyl chloride [VC] and 1,1-dichloroethene [1,1-DCE]) must be achieved with a lower method reporting limit (MRL) of 0.1 micrograms per liter (µg/L) that meets the compliance cleanup levels for these two VOCs specified in the 1996 Consent Decree/CAP. Since 2000, VOC analyses of groundwater samples analyzed by the standard U.S. Environmental Protection Agency (EPA) Method 8260B achieved MRLs (typically 0.5 µg/L) above the compliance level.

The County submitted review comments of the DPR, prepared by SCS on behalf of the County, to Ecology in a technical memorandum dated March 30, 2011 (SCS, 2011a). As a follow-up to the review comments, Ecology issued a letter to the County dated April 27, 2011 (Ecology, 2011a) that outlined specific modifications to the environmental monitoring program to be implemented at LBLF based on the DPR. The modifications and implementation schedule include:

- Changing the schedule for performing LFG compliance monitoring of the perimeter LFG probes from monthly to quarterly. Quarterly compliance monitoring of the LFG probes was initiated during the third quarter 2011 monitoring period.

- Requiring only field measurement of specific conductivity (instead of field *and* laboratory measurement) in groundwater samples collected from the site monitoring wells. Field measurement only for specific conductivity was initiated during the third quarter (September) 2011 groundwater monitoring event.

- Laboratory testing for VC and 1,1-DCE using a low-level Method 8260B in order to meet the compliance level of 0.1 µg/L for these two VOCs. If after two years of testing (i.e., three additional monitoring events), the results show that VC and 1,1-DCE are not detected above a MRL of 0.1 µg/L, then the testing for these two VOCs can be discontinued. Use of a low-level Method 8260B analytical method was implemented during both the first (March) and third (September) quarter 2011 groundwater monitoring events.

A final Periodic Review document dated April 2011 (Ecology, 2011b) was issued by Ecology following its submittal of the April 27, 2011, letter to the County.

2.2 LOW-FLOW PURGE SAMPLING

SCS submitted a letter dated July 14, 2011 (SCS, 2011e), to Ecology requesting approval to use the low-flow purge sampling method for collecting groundwater samples from the site monitoring wells at LBLF. The site monitoring wells have historically been sampled using the traditional purge method (i.e., removing at least three pore volumes of water before sampling), consistent with the April 2005 CMP (EMCON, 2005). The SCS letter provided the rationale for the proposed change in the sampling method and described the low-flow purge sampling methods and procedures.

The County received approval to implement low-flow purge sampling from both Ecology and CCPH in e-mail correspondence dated July 19, 2011 (Ecology, 2011c, and CCPH, 2011). Low-flow purge sampling was implemented during the third quarter (September) 2011 groundwater monitoring event, as documented in the third quarter 2011 progress report (SCS, 2011h).

2.3 STORMWATER POLLUTION PREVENTION PLAN

In 2009, Ecology issued a new Industrial Stormwater General Permit (General Permit) effective January 1, 2010, for industrial facilities. The new General Permit (No. WAR005572B) allows LBLF to discharge storm water runoff from the facility to nearby Curtin Creek. The General Permit requires implementation, or update, of a technology-based Storm Water Pollution Prevention Plan (SWPPP) to eliminate potential surface water quality standards violations caused by stormwater. An updated SWPPP dated May 2011 was prepared by SCS (SCS, 2011b) on behalf of the County and submitted to Ecology and CCPH.

The 2009 General Permit and SWPPP describe changes to the stormwater monitoring activities that were performed in 2011 that differ from the previous permit:

- Visual inspections of stormwater discharge and illicit discharges to stormwater were performed and documented monthly.
- Quarterly stormwater sampling was performed in accordance with specific criteria described in the permit and SWPPP.
- The list of analytes to be tested was modified.

2.4 GREENHOUSE GAS MONITORING

SCS prepared and submitted a report dated June 29, 2011 (SCS, 2011d), to Ecology and CCPH presenting the results of a greenhouse gas (GHG) applicability and emissions modeling study. The purpose of the report was to evaluate if the LFG emissions generated by LBLF trigger the EPA's Mandatory GHG Reporting Rule. The results of the applicability study indicated that GHG emissions do not exceed the federal EPA threshold limit of 25,000 $MTCO_2e$ per year, and as a result,

GHG emissions for LBLF are not required to be reported to the EPA. GHG emissions do, however, exceed the current threshold limit for the State of Washington, which will require GHG emissions reporting for calendar year 2012. Per the County's request, SCS continued routine monitoring of the LFG flare system in 2011 for evaluating the performance and efficiency of the LFG flare and blower.

3.0 GROUNDWATER MONITORING

3.1 GROUNDWATER MONITORING NETWORK AND SCHEDULE

The groundwater monitoring network consists of 20 monitoring wells screened in the alluvial WBZ or the Troutdale Formation aquifer. The monitoring well locations are shown in Figure 3-1. The following describes the monitoring network components.

- Wells monitoring groundwater elevation and quality in the upper portion of the alluvial WBZ are denoted with an "S" in the well number (e.g., well LB-1S).
- Wells monitoring groundwater elevation and quality in the middle (or intermediate) portion of the alluvial WBZ are denoted with an "I" in the well number (e.g., LB-27I).
- Wells monitoring groundwater elevation and quality in the deeper Troutdale Formation aquifer are denoted with a "D" in the well number (e.g., well LB-1D).

The site groundwater monitoring wells are sampled annually or semiannually in accordance with the schedule specified in the 2005 CMP (EMCON, 2005). Groundwater samples collected during the annual monitoring event in March 2011 included the following 20 monitoring wells: LB-1S, LB-1D, LB-3S, LB-3D, LB-4SR, LB-4D, LB-5S, LB-5D, LB-6S, LB-10SR, LB-10DR, LB-13I, LB-13D, LB-17I, LB-17D, LB-20S, LB-26I, LB-26D, LB-27I, and LB-27D. Groundwater samples collected during the semiannual monitoring event in September 2011 included the following seven monitoring wells: LB-1S, LB-5S, LB-6S, LB-10SR, LB-13I, LB-26I, and LB–27I.

The first quarter (March) and third quarter (September) 2011 groundwater monitoring activities were performed in accordance with the procedures and methods described in the April 2005 CMP (EMCON, 2005), and with the modifications approved by Ecology and CCHD, as discussed in Section 2. These modifications included using low-flow purge sampling for collecting groundwater samples from the site monitoring wells during the third quarter event in accordance with the methods described in SCS's letter dated July 14, 2011 (SCS, 2011e). Field water quality parameters (temperature, pH, specific conductance, dissolved oxygen) were monitored and recorded on FSDS[2] during groundwater sampling; field parameter monitoring results are provided in Appendix B (see Table B-1).

Groundwater samples collected from the site monitoring wells in 2011 were analyzed for the following inorganic parameters and dissolved metals in accordance with the approved compliance monitoring program[3]: nitrate as nitrogen (nitrate), total dissolved solids (TDS), chloride (Cl), dissolved iron (Fe), and dissolved manganese (Mn). The 2011 groundwater samples were also

[2] FSDSs were previously submitted in the first and third quarter 2011 progress reports (SCS, 2011c; 2011h), and consequently are not included in this annual report.

[3] Groundwater samples collected as part of the first quarter (March) 2011 monitoring event were also analyzed for laboratory conductivity for information purposes only.

analyzed for volatile organic compounds (VOCs) using a low-level procedure for EPA Method 8260B to achieve a MRL that meets the compliance level of 0.1 µg/L for VC and 1,1-DCE, as discussed in Section 2. TestAmerica Laboratories, Inc., (TAL) in Beaverton, Oregon, analyzed the groundwater samples collected from the site monitoring wells in 2011.

3.2 GROUNDWATER LEVELS AND FLOW DIRECTION

Static groundwater levels measured on March 21 and September 6, 2011, were converted to groundwater elevations and are presented in Appendix A.[4] Groundwater potentiometric surface contours depicting horizontal groundwater flow in the alluvial WBZ and the Troutdale Formation aquifer were interpreted using water-level data collected in March and September 2011 (see Figures 3-2 through 3-5). Groundwater flow in the alluvial WBZ was generally towards the west to southwest (see Figure 3-2 and 3-4). Groundwater flow in the Troutdale Formation aquifer was generally towards the south to southeast (see Figures 3-3 and 3-5). The 2011 groundwater flow directions are consistent with historical interpretations of groundwater flow conditions at LBLF.

Groundwater level hydrographs are provided in Appendix A. The 2011 groundwater elevation data continued to show minor seasonal variations, generally within the range of elevations measured since 2001 and before 1996. Between 1996 and 1999, water levels measured in the site monitoring wells screened in both the alluvial WBZ and Troutdale Formation aquifer were significantly higher, likely in response to increased precipitation.

Differences in groundwater elevations in adjacent well pairs screened in the upper-most alluvial WBZ and Troutdale Formation aquifer appear to be influenced by the presence of the silt aquitard (sandy silt and clayey silt). Where the silt aquitard is present east and south of the landfill, groundwater elevations are on the order of about 20 to 30 feet higher in the alluvial WBZ (e.g., at wells LB-4 and LB-5) indicating hydraulic separation exists between the two groundwater zones. Monitoring well pairs located southwest of the landfill (i.e., at wells LB-1, LB-13 and LB-26), where the silt aquitard is absent, exhibited much smaller differences in groundwater elevations (about 3 feet or less) indicating that some degree of hydraulic connection between the two groundwater zones may exist.

[4] In preparing the 2011 annual monitoring report, SCS identified a discrepancy between the top-of-casing (TOC) reference elevations provided in the event-specific groundwater elevation tables historically presented in the first and third quarter monitoring reports and in the historical summary table included in the annual reports. It appears this discrepancy has existed for some time. In most cases, the difference in reference elevations is very minor (0.0 to 0.1 foot) or sufficiently small (1.0 foot) that it did not affect the interpretation of groundwater flow (see Table 3-1). However, in a few cases, most notably for wells LB-R2, LB-10SR, and LB-17C, the differences are sufficiently high that it could result in minor changes to the groundwater flow interpretation. SCS used TOC elevations presented in the first and third quarter 2011 reports for calculating groundwater elevations (see Appendix A) for interpreting groundwater flow (Figures 3-2 through 3-5). TOC reference elevations will be resurveyed in the beginning of the second quarter 2012 so they can be used for interpreting groundwater elevations based on water-level measurements collected as part of the upcoming first quarter 2012 monitoring event.

3.3 GROUNDWATER QUALITY RESULTS

3.3.1 Data Quality Review

Groundwater monitoring field QA/QC procedures included collecting duplicate samples, field blanks, equipment blanks, and carrying trip blanks into the field. Laboratory QA/QC procedures included analyzing surrogate spikes, method blanks, matrix spikes, and matrix spike duplicates. The laboratory QA/QC results are included with the laboratory reports. TAL incorporated its laboratory data quality review comments in the QA/QC narrative of each laboratory report (previously submitted in the first and third quarter 2011 progress reports (SCS, 2011c, 2011h).

Field and laboratory data and QA/QC procedures were reviewed by SCS to evaluate whether the data met U.S. Environmental Protection Agency (USEPA) quality control requirements. The results of QA/QC reviews of the laboratory results were previously provided in the first and third quarter 2011 progress reports (SCS, 2011c, 2011f). The QA/QC reviews indicated that the groundwater analytical data were acceptable for their intended use.

3.3.2 Volatile Organic Compounds

A summary table of historical VOC analytical results for groundwater samples collected from the site monitoring wells, including samples collected in 2011, is provided in Appendix B (see Table B-2). As previously mentioned, VOCs were analyzed in groundwater samples collected in 2011 using a low-level procedure for EPA Method 8260B so that the MRL could meet the compliance level of 0.1 µg/L specifically for VC and 1,1-DCE. The MRLs reported by TAL were 0.02 µg/L for VC and 0.1 µg/L for 1,1-DCE. Low levels of some VOCs were detected in 2011 that have not been previously detected for at least the last five years of monitoring (see Appendix B) due solely to the lower reporting limits. VOCs detected in the first quarter (March) 2011 groundwater samples included the following, as previously reported in the first quarter 2011 progress report (SCS, 2011c):

- 1,1,1-trichloroethane (1,1,1-TCA) detected at a concentration of 0.28 micrograms per liter (µg/L) in the sample from well LB-1D.
- 1,1-dichloroethane (1,1-DCA) detected at a concentration of 0.18 µg/L in the sample from well LB-10DR.
- 1,4-dichlorobenzene (1,4-DCB) detected at concentrations of 0.26 and 0.25 µg/L in the samples from wells LB-17I and LB-20S, respectively.
- Cis-1,2-dichloroethene (cis-1,2-DCE) detected at a concentration of 0.27 µg/L in the sample from well LB-17I.
- Trichloroethene (TCE) detected at concentrations of 0.15 µg/L in the duplicate sample from well LB-10SR and 0.81 µg/L in the sample from well LB-17I.

VOCs detected in the second quarter (September) 2011 groundwater samples included, as previously reported in the third quarter 2011 progress report (SCS, 2011h):

- Acetone detected in all samples, except from well LB-13I, at concentrations (2.1 to 2.8 µg/L) slightly above the MRL of 2.0 µg/L.
- Chloroethane detected at a very low concentration of 0.25 µg/L in the sample collected from well LB-27I, which is equivalent to the MRL.
- VC detected at concentrations slightly above the MRL of 0.02 µg/L in the samples collected from wells LB-26I (at 0.044 µg/L) and LB-27I (at 0.053 µg/L).

The VOC concentrations (other than acetone as described below) in the 2011 groundwater samples are considered to be very low and are significantly below regulatory compliance or screening levels. Of the five VOCs for which compliance levels were established in the CAP (i.e., 1,4-DCB, 1,1-DCE, tetrachloroethene (PCE), TCE, and VC), only 1,4-DCB, TCE, and VC were detected at or above their MRLs. For these three VOCs, the detected concentrations were substantially below their compliance levels of 1.8, 5.0, and 0.1 µg/L, respectively.

The concentrations of the other detected VOCs were also considerably below (by at least two orders of magnitude) available regulatory screening levels of 200 µg/L for 1,1,1-TCA (MTCA Method A cleanup level for groundwater), and 73,000 µg/L, 120 µg/L, and 730 µg/L for 1,1,1-TCA, 1,1-DCA, and cis-1,2-DCE, respectively (December 2010 regional screening levels for tap water ingestion, EPA Region 9). A regulatory screening level is not available for chloroethane.

Laboratory QA/QC data did not indicate that the presence of acetone in groundwater samples collected in September 2011 was related to laboratory contamination. However, acetone was detected in the equipment rinsate blank sample at a concentration of 3.8 µg/L. It appears that the low-level acetone detections in most of the September 2011 groundwater samples were due to either unconfirmed laboratory contamination or inadvertent contamination from the sampling equipment (i.e., the non-dedicated bladder pump) because (1) acetone has historically not been detected in the site monitoring wells, (2) it is highly unlikely that acetone would be detected at nearly equivalent concentrations in almost all groundwater samples collected in third quarter, and (3) the concentrations detected in the groundwater samples are similar to the concentration detected in the equipment rinsate blank.

3.3.3 Inorganic Parameters and Dissolved Metals

A summary table of historical analytical results for the inorganic parameters (nitrate, Cl, and TDS) and dissolved metals (Mn and Fe) that comprise the current groundwater analytical program is provided in Appendix B (see Table B-3). Results of statistical analysis of laboratory data for these inorganic parameters and dissolved metals in groundwater samples collected from the site monitoring wells (including background [upgradient] monitoring wells LB-4SR and LB-4D) using the statistical methodology described below, is presented in Appendix C. Time-concentration diagrams for these parameters are provided in Appendix D.

In general, the 2011 groundwater analytical results for inorganic parameters and dissolved metals were consistent with historical data, as discussed in the subsequent sections.

3.3.3.1 *Statistical Method for Evaluating Groundwater Analytical Data*

Statistical method used analyzing the LBLF groundwater quality data evaluated analyte concentrations from 2007 through 2011 to determine if the data showed a normal, lognormal, or non-parametric distribution. For normally and log normally distributed data, the 95th percent upper confidence limit (UCL-95) of the mean was calculated using the MTCA Stat 97 program[5]. For distributions that were non-parametric, data values were ranked and an estimate of the UCL-95 was determined using the Van der Parren method, as described in Statistical Guidance for Ecology Site Managers (Ecology, 1992). For non-parametric data, the Van der Parren method defaults to the highest reported value.

The MTCA Stat97 program utilizes the Land Method for calculating the UCL-95 of the mean for lognormally distributed data. The Land Method is known to be sensitive to deviations from lognormality. The formula may commonly yield estimated UCL-95 values substantially larger than necessary when distributions are not truly lognormal if variance or skewness is large (EPA, 2002). When sample sizes are small and the variance is large, the method can be impractical, resulting in a UCL-95 value that exceeds the range of concentrations detected. This was the case for Mn data for wells LB-10DR and LB-20S, and Fe data for well LB-20S. In these cases, the highest reported values from the last 5 years of monitoring were selected (see Table 3-2).

Table 3-2 provides a summary of calculated UCL-95 of the mean values, along with groundwater compliance levels established in the Consent Decree/CAP. Calculated UCL-95 values exceeded compliance levels in some monitoring wells for nitrate and dissolved Fe and Mn, as discussed below.

3.3.3.2 *Nitrate*

The UCL-95 value for nitrate exceeded the compliance level of 10 mg/L in groundwater from upgradient (background) well LB-4SR. The nitrate concentration (4.89 mg/L) detected in the March 2011 groundwater sample from well LB-4SR was below the compliance level; however, the exceedance of the UCL-95 value is due to an elevated nitrate concentration (16.6 mg/L) detected in the sampled collected from this well in 2007, which was anomalously high compared to all other historical nitrate concentrations in LB-4SR samples collected since 1994, all of which were below the compliance level. Well LB-4SR is located hydraulically upgradient of the landfill, and nitrate concentrations in this well are therefore reflective of regional groundwater conditions likely influenced by agricultural practices and not attributed to landfilling activities.

3.3.3.3 *Dissolved Fe and Mn*

The UCL-95 values for dissolved Fe and/or Mn exceeded their respective compliance levels (0.3 and 0.05 mg/L, respectively) in groundwater samples collected from the following monitoring wells: LB-1S, LB-5S, LB-6S, LB-10SR, LB-10DR, LB-17I, LB-17D, LB-20S, LB-27I, and LB-27D (see Table 3-2). These UCL-95 exceedances are generally consistent with historical evaluations. Historical data indicate that Fe and Mn concentrations exhibit natural variability and fluctuate above

[5] MTCA Stat97 program was obtained from Ecology's website: http://www.ecy.wa.gov/programs/tcp/tools/Mtca.exe.

and below the compliance levels at several well locations, including upgradient well LB-4SR and crossgradient wells LB-3S and LB-5S. This suggests that dissolved Fe and Mn concentrations in some of the monitoring wells with UCL-95 values above compliance levels may be attributed to natural variations in groundwater chemistry, particularly for those wells located offsite (i.e., LB-10SR and LB-10DR) or near the LBLF property boundary (i.e., LB-1S, LB-5S, LB-6S, and LB-27I). It should be noted that the Fe and Mn concentrations detected in groundwater samples collected from these wells in 2011 did not exceed their respective compliance levels (see Appendix B, Table B-3), except for Mn in groundwater from well LB-27I (consistent with historical data).

Historical groundwater data (see Appendix B, Table B-3) indicates that Fe and/or Mn concentrations in groundwater from wells located downgradient and in close proximity to the landfill (i.e., LB-17I, LB-17D, and LB-20S) have exceeded the compliance levels within the last 5 years. However, exceedences of the compliance levels for Fe and/or Mn in groundwater collected from these wells may be reflective, in part, of natural groundwater chemistry, as previously reported to Ecology, based on the following:

- Concentrations of Fe in groundwater from well LB-20S over the last 5 years have fluctuated above and below the compliance levels and have generally been below the compliance level of 0.3 mg/L since 2006.

- As previously mentioned, historical Fe and Mn concentrations in upgradient monitoring well LB-4SR and cross-gradient wells LB-3S, LB-5S, and LB-10SR screened in the shallow alluvium WBZ have shown sporadic exceedances above the compliance levels.

As noted by SCS in our review comments (SCS, 2011a) of the December 2010 DPR, a more comprehensive evaluation of groundwater chemistry at and in the vicinity of LBLF is likely needed to assess whether observed Fe and Mn concentrations are related, in part, to naturally occurring groundwater conditions that reflect spatial variability in groundwater chemistry.

3.3.3.4 *Groundwater Concentration Trends*

In addition to the statistical evaluation, time-series concentration plots were generated for each of the inorganic parameters tested (see Appendix D)[6]. The time-concentration plots were evaluated visually to assess whether parameter concentrations have increased, decreased or remained stable. Inorganic parameter concentrations in groundwater collected from alluvial WBZ wells and Troutdale Formation wells show either stable or decreasing trends

It is noteworthy that Cl, TDS, Fe, and Mn in groundwater collected from wells located downgradient and in close proximity to the landfill (i.e., LB-17I, LB-17D, and LB-20S) exhibit pronounced decreasing concentration trends starting around 1996 (see time-concentration plots in Appendix C) when institutional controls, including capping the landfill surface and stormwater control and collection, were implemented to mitigate leachate generation. The concentrations of these inorganic

[6] Time concentration plots for the LB-10 series wells (LB-10S and LB-10D) are included until 1999. These wells were not sampled after 1999 because the owner did not grant access. LB-10S and LB-10D were decommissioned in October 2004 and replaced by wells LB-10SR and LB-10DR, respectively.

parameters in groundwater collected from these wells have remained relatively constant since about 2000.

3.4 EVALUATION OF GROUNDWATER QUALITY RESULTS

Laboratory analytical results of groundwater samples collected from site monitoring wells in 2011 indicate that groundwater quality is not being affected by the closed landfill as evidenced by the following:

- Analysis of VOC using a low-level procedure for EPA Method 8260B detected only five VOCs at very low concentrations substantially below their compliance levels in groundwater collected from several monitoring wells. VC and 1,1-DCE were not detected at concentrations above their compliance level of 0.1 µg/L using this low-level Method 8260B.

- The concentrations of most inorganic indicator parameters in groundwater samples collected from monitoring wells located downgradient of the former waste cells have either remained generally stable or show decreasing trends.

Pronounced decreases in the concentrations of Cl, TDS, Fe, and Mn in groundwater collected from wells located downgradient and in close proximity to the landfill (i.e., LB-17I, LB-17D, and LB-20S) starting in 1996 indicate that institutional controls, including capping the landfill surface and stormwater control and collection, implemented in the mid-1990s have been effective at mitigating leachate generation and improving groundwater quality.

4.0 STORMWATER MONITORING

In 2009, Ecology issued a new Industrial Stormwater General Permit (General Permit) effective January 1, 2010, for industrial facilities. The new General Permit (No. WAR005572B) allows LBLF to discharge stormwater runoff from the facility to nearby Curtin Creek. In accordance with the new General Permit, SCS (on behalf of the County) prepared and submitted to Ecology and CCPH an updated Storm Water Pollution Prevention Plan (SWPPP) (SCS, 2011b).

4.1 STORMWATER MONITORING NETWORK AND SCHEDULE

4.1.1 Quarterly Stormwater Monitoring Station

One stormwater discharge location has been identified for the LBLF and is designated as Outfall 1. Outfall 1 is located at the pump station at the northern end of the north detention basin area (see Figure 4-1). This outfall receives all the stormwater that discharges from the landfill surface area. Quarterly stormwater samples were collected at Outfall 1 during 2011 in accordance with the methods and schedule described in the 2009 General Permit and 2011 SWPPP (SCS, 2011b). The quarterly samples were collected on February 28, June 20, September 29, and October 10, 2011.

The quarterly stormwater samples were analyzed for the General Permit-required parameters including turbidity, pH, total copper and zinc, biological oxygen demand, TDS, ammonia as nitrogen, and select semi-volatile organic compounds (alpha terpineol, benzoic acid, p-cresol, and phenol).

4.1.2 Monthly Visual Inspection

SCS performed or attempted monthly visual inspections in 2011when site conditions resulted in stormwater being discharged at Outfall 1 (the north detention basin pumps are water-level float activated and not always on when the monthly inspections were performed). The inspections included an examination of stormwater discharge at Outfall 1, the stormwater conveyance system (catch basins, drainage ditches, and culverts), and areas with storage of materials. Observations were documented on an industrial stormwater monthly inspection form.

4.2 STORMWATER MONITORING RESULTS

Stormwater discharge monitoring reports (DMRs) describing the results of stormwater analytical results obtained in 2011 were previously submitted to Ecology on a quarterly basis in accordance with the 2009 General Permit. The first, second, and third quarter stormwater monitoring results were also summarized in the first, second, and third quarter progress reports (SCS, 2011c, 2011f, and 2011h, respectively) previously submitted to Ecology and CCPH. The fourth quarter 2011 DMR was submitted to Ecology electronically on December 9, 2011, using the Ecology WebDMR submittal system.

The analytical results of stormwater samples collected in 2011 indicated that stormwater quality benchmarks specified in the 2009 General Permit were not exceeded.

5.0 LANDFILL GAS MONITORING

LFG monitoring at LBLF is performed to (1) fulfill compliance monitoring requirements for LFG monitoring probes, (2) evaluate and adjust (i.e., balance) the LFG extraction well network, and (3) assess the performance and efficiency of the LFG flare and blower.

5.1 COMPLIANCE LFG MONITORING PROBE NETWORK AND SCHEDULE

A GCCS was initially installed at the LBLF in 1978 in response to offsite migration of LFG. The system has been modified several times over the years, including installation of a single, smaller enclosed flare station in 2007 due to decreasing methane production. The current GCCS includes a LFG extraction well field with over 90 gas extraction wells, a condensate collection system, and a LFG blower and flare station. Additionally, there are 50 compliance LFG monitoring probes. The GCCS components and monitoring probes are show in Figure 5-1.

The compliance LFG monitoring probes are located along the perimeter of the landfill property boundary to monitor subsurface LFG migration, and in areas within the property to more closely monitor the performance of the GCCS. Compliance LFG monitoring probes constructed as dual-completion probes (i.e., a shallow and deep probe constructed within the same borehole) are designated with an "A" for the shallow probe and "B" for the deep probe. Compliance LFG monitoring probes with the same probe number but constructed in different boreholes are designated with an "S" for the shallow probe and "D" for the deep probe.

Compliance monitoring of the LFG monitoring probes was performed monthly during the first and second quarters of 2011. The schedule for performing compliance monitoring was modified from monthly to quarterly beginning in the third quarter 2011 period, as approved by Ecology (Ecology, 2011a). Compliance monitoring of the LFG monitoring probes was performed in July and November 2011 during the third and fourth quarters of 2011, respectively.

5.2 COMPLIANCE LFG MONITORING RESULTS

LFG monitoring probe data for 2011, including fourth quarter data that have not been previously reported, indicate methane concentrations were below the MFS (Chapter 173-304 WAC) regulatory limit of 5 percent methane by volume in probes located along the site property boundary (i.e., point of compliance). The 2011 LFG monitoring probe data are provided in Appendix E.

Periodic concentrations exceeding 5 percent by volume were measured at probe GP-8 (identified as LBLFGP08 in the Appendix E summary tables) which is not located along the site's point of compliance; rather, it is located in the northwest closure area (Module 1) near or within the waste limits (see Figure 5-1).[7] Methane concentrations in probe GP-8 that exceeded 5 percent by volume

[7] A work plan was submitted to Ecology and CCHD on November 3, 2011, to replace LFG probe GP-8 because of its close proximity to the edge of the waste limit (SCS, 2011g). Both agencies approved the work plan in November 2011 and the probe is planned to be replaced during the second quarter of 2012.

were measured in January (12.4 percent), March (13.1 percent), May (8.5 to 11.6 percent) and June (6.4 percent). Methane concentrations in this probe have historically been periodically above the compliance level due to its proximity to the waste limits. Routine adjustments made to the GCCS during 2011, including balancing of the LFG extraction wells in the vicinity of GP-8, were successful at reducing the elevated methane concentrations in GP-8 to below the compliance level by the end of each month that the concentration exceeded 5 percent by volume.

As reported in the 2010 annual report for LBLF (Shaw Environmental, Inc. [Shaw], 2011) and observed by SCS in 2011, minimal or no positive static pressures were measured at probe GP-8 or in nearby LFG extraction wells during instances when the methane concentrations exceeded 5 percent by volume. The lack of positive static gas pressures when higher methane concentrations are observed in probe GP-8 is indicative of a low rate of biological decomposition near this probe location, which is consistent with other municipal solid waste landfills of similar age as LBLF. This lack of positive pressure, combined with the apparent efficiency of the GCCS at capturing and collecting LFG, indicates that methane is likely not migrating laterally in the subsurface soils over any sizable distance from the edge of the waste limits.

5.3 LFG EXTRACTION WELLS

The LFG extraction wells (north and south LFG extraction wells; shown on Figure 5-1) were monitored and adjusted (balanced) semi-monthly (twice a month) during 2011 to maintain balanced and efficient LFG extraction rates. There were no problems or concerns noted during monitoring/adjustment of the LFG extraction wells during 2011.

5.4 LFG FLARE REPLACEMENT AND MONITORING

A landfill's rate of LFG generation typically peaks within 1 to 2 years following the stoppage of waste acceptance, and then continually decreases with time. A number of years ago, one of the two original enclosed flare systems installed during site closure was removed from service in response to a decrease in the volume and generation rate of LFG. All of the extracted LFG was then routed to the former south flare system. Due to the continued drop off in LFG generation, the remaining operating flare system had become oversized for the quantities of LFG being generated. In 2006, the LBLRC decided to replace the former flare with a smaller, enclosed flare system.

On March 12, 2007, the original south flare system was shut down in preparation for installation of the new flare. On March 16, 2007, the new, smaller-capacity enclosed flare was brought on-line. During initial start up, the LFG extraction well field was monitored and adjusted to achieve steady-state conditions for smooth and efficient flare operation.

Shaw coordinated with the Southwest Clean Air Agency (SWCAA) to conduct a flare emission source test to satisfy requirements within SWCAA Air Discharge Permit (ADP) 07-2714, issued on February 15, 2007. The source test was performed by Horizon Engineering, LLC, on May 15, 2007. The results of the source testing determined that the flare was operating within the specified emission limits required under ADP 07-2714. A source evaluation report summarizing the test results was submitted to SWCAA on June 28, 2007 (Shaw, 2007).

The LFG flare systems were monitored regularly (i.e., at least weekly) in 2011. The monitored parameters include LFG composition, static pressure, flow rate, and temperature measured at the flare inlet. In addition, the flare operating temperature was also measured and recorded. The flare system is equipped with a continuous monitoring system which measures and records the flare operating temperature, inlet LFG flow rate, and inlet LFG oxygen concentration. The data are stored onto a memory card which is periodically replaced and the data downloaded onto a portable computer for recordkeeping. In accordance with SWCAA requirements, an Annual Emissions Estimate report documenting the flare monitoring data will be submitted to the SWCAA under separate cover in accordance with the conditions under Appendix A, Section 3, Monitoring/Record Keeping Requirements, Item 3c, of Order of Approval SWCAA 94-1637.

6.0 LANDFILL MAINTENANCE AND REPAIR

Repair and maintenance activities for the first, second, and third quarters in 2011 were previously described in the first, second, and third quarter progress reports (SCS, 2011c, 2011f, and 2011h, respectively) previously submitted to Ecology and CCPH. The repair and maintenance activities performed in 2011, including the fourth quarter activities, are summarized in the following sections.

Routine operations, maintenance, and repair of the GCCS performed during 2011 generally included the following:

- Routine checks and adjustments to the operational settings of the LFG flare system.
- Maintenance and repair (as needed) of the LFG extraction wells and piping.
- Minor maintenance and repair (as needed) of the LFG extraction wells and conveyance piping (e.g., repair of hoses, fittings, and valves), LFG flare system, and condensate collection system (including the condensate sumps, airlines, discharge lines, and compressors).
- Semi-monthly adjustments (i.e., balancing) to the north and south LFG extraction wells.
- Replacement of the compact flash card in the Yokogawa flare data recorder monthly and download of the monitoring data stored on the card.

Other noteworthy non-routine maintenance and repair activities performed during each month in 2011 are described below.

6.1 FIRST QUARTER 2011

6.1.1 January

- Checked condensate levels in Tanks 1 and 2, transferred condensate liquids from Tank 1 to Tank 2 as needed, and contracted Emerald Services, Inc. (Emerald) for pumping and offsite disposal of the liquids from the tanks on January 19.
- Made programming adjustments to Yokogawa flare monitoring system.
- Performed an evaluation of the operational status of condensate sumps, drained and assessed sump pumping system controllers, and conducted communications with Shaw to determine status of pump controller repairs.
- Performed troubleshooting of the burner control, and identified that a new fuse was needed or the programmable logic control (PLC) unit needed to be reconfigured.

- Observed that several extraction wells needed to be repaired (valve or hose fitting replacements). Repaired hoses at NW-11, NW-30, NW-28, NW-35, and NW-37. Modified the hose for NW-36.

- Performed a comprehensive evaluation of the GCCS to assess the reasons for the extremely low methane and high oxygen levels at the flare that were resulting in it frequently shutting down. SCS field staff performed more frequent adjustments of the GCCS, including balancing of the LFG extraction wells, and numerous temporary repairs of the GCCS conveyance lines in January 2011 resulting in a significant improvement in the flare performance and the successful reduction of the methane concentration in GP-08 to below 5 percent by the end of the month.

6.1.2 February

- Checked operation status of air compressor and topped off oil level when necessary.

- Performed troubleshooting of flare startup and performance.

- Repaired condensate sump C2-N2.

- Placed "NO SMOKING" placards inside of air compression shed and labeled blowers.

- Shaw (under separate contract with LBLRC) completed replacement of the two condensate storage tanks with a single, larger capacity, double-wall tank.

6.1.3 March

- Replaced the pump controller in condensate sump CS-S1.

- Installed differential pressure ports on the flare arrestor and knock out pot.

- Met with pump vendors who visited the site to bid on repair or replacement of the North Detention Basin pumps and controller systems.

- Met with EC Electric to troubleshoot problems with Blower No. 2 that was inoperable. Repairs were made to fix the Blower No. 2, and the belt was switched from Blower No. 1 to Blower No. 2. A new belt was installed in Blower No. 1 in April 2011. Both blowers were returned to operational status. Fluid levels in the drain ports on each blower were checked (no fluid were present).

- Checked ultraviolet sensor (no blockage).

- Performed troubleshooting of flare startup and performance.

- SCS identified critical problems or deficiencies with the North Detention Pond pumps. Additional evaluation of the pump control panels determined that the pump controllers and

starters were not functioning properly. Pumps 1 and 2 were removed on March 3, repaired/refurbished by Grundfos CBS Paco (Grundfos) Inc. in Tualatin, Oregon during March, and reinstalled, along with the new controllers and starters (for all three pumps in the North Detention Pond), on March 29, 2011.

During routine monitoring of the LFG flare system, SCS identified several problems or deficiencies that appear to be affecting the overall efficiency and running time of the GCCS. The issues primarily relate to how the thermocouples, Yokogawa flare monitoring system, and the PLC system were integrated. SCS performed additional field monitoring activities in an attempt to better understand and address these issues.

6.2 SECOND QUARTER 2011

6.2.1 April

- Removed approximately 15 gallons of liquid residue from the compressor blow-down tank.
- Performed troubleshooting of problems with compact flash card not interfacing with Yokogawa flare data recorder.
- Installed a vapor meter on the propane line to the flare.
- Modified the condensate tank inlet pipe by replacing a 3-inch PVC pipe with a smaller diameter pipe (1-¼-inch PVC) and replumbed the piping.
- Replaced the pump controller at sumps N-4 and S-7.
- Regraded the header on supports south of well SE-16.
- Shut off the louver on east end of flare.

6.2.2 May

- Coordinated with Emerald to remove and dispose (offsite) of liquids from the condensate tank, blow down tank in the air compressor shed, and flare sump.
- Drained the lateral servicing LFG wells NE-3 and NE-4.
- Installed new belts and the greased bearings for Blowers 1 and 2.
- Adjusted the flare manual louvers as needed to maintain appropriate temperature.
- Repaired a disconnected flex hose at LFG well SW-17, and replaced a 6-inch flex coupling in northwest corner of northwest loop.
- Performed troubleshooting of automatic flare shut down/restart systems so that restart procedures maintain optimum operating efficiency at startup. Troubleshooting included

discussions with a LFG Specialties representative. Adjustments were made to the temperature set point that initiates automatic louver actuation.

6.2.3 June

- Shut off the air compressor used for condensate pumping. The air compressor remained shut off during the dry season period because little or no condensate was generated during this period.
- Checked the motor starter current transducers.
- Lubricated the louver motors.
- Evaluated the flare blower performance with respect to LFG generation rates. SCS evaluated options for modifying the blowers to reduce their speed and vacuum potential to compensate for lower LFG generation rates. Ordered new blower sheaves to accomplish this task.
- SCS performed flare system operations troubleshooting with LFG Specialties over the phone. Modifications made to the flare system based on these troubleshooting efforts resulted in a significant positive effect on the flare system performance, including constant running time of the flare in June 2011 (in contrast to repeated automatic shut downs of the flare that the system experienced before and since SCS took over operations in January 2011).

6.3 THIRD QUARTER 2011

6.3.1 July

- Discussed with LFG Specialties flare details and operating parameters in preparation for modifying the blower.
- Modified the two blowers so they could accommodate lower LFG generation rates by installing new sheaves and bushings to reduce their speed and vacuum potential.
- Retained Pacific Air to service the compressor refrigeration unit for the air compressor.
- Replaced the fan motor in the air compressor shed.
- Replaced the propane tank.
- Restarted the flare after it was determined to have automatically shut down on July 11, 2011. After it was restarted, flare system reverberations were noticed. As a result, the flare stack bolts and plates were tightened, corrosion on the port for the fire eye was cleaned off, and the louvers were adjusted. These actions appeared to stop the reverberations. The flare system operated efficiently since these repairs were made.

6.3.2 August

- Installed a gas sampling port where the northwest section of gas extraction piping meets the northeast section of gas extraction piping.
- Installed current transducers in LFG blower motor control.
- Inspected vegetation removal activities performed under the direction of the County.
- Conducted technical discussions and site visits with the County regarding dewatering and vegetation removal in the North Detention Pond. SCS subsequently provided to the County a scope of work on August 15, 2011, and cost estimate on August 25, 2011, and received the County's authorization to proceed with vegetation removal activities on August 29, 2011. SCS performed the following activities in August 2011 in preparation for this work: (1) dewatered the north detention basin, (2) measured the thickness of sediment in the North and South Detention Ponds pumping vaults, and (3) evaluated materials used in the past to prevent algae from stagnating in the pump vaults.
- Performed a site-wide fence inspection on August 19, 2011. Several minor fencing issues were identified (e.g., small holes, barbed wire missing, gaps underneath the fence). SCS notified the County of these issues and the County coordinated repairs to the fencing that pose a potential security issue.

6.3.3 September

- Performed pitot tube readings on header in northeast quadrant to determine gas flow direction.
- Performed remote troubleshooting of the flare programmable logic controller (PLC) with LFG Specialties (using FT Connect telemetric device) to evaluate flare performance and PLC settings.
- As part of preparation for sediment and vegetation removal in the North Detention Pond, the pond was dewatered on September 1, 5, 10, and 12, 2011, and an 18-inch cap was temporarily installed on the north basin inlet pipe.
- Conducted sediment and vegetation removal during the week of September 12, 2011, in the North and South Detention Ponds. SCS also repaired a large hole identified in the north detention basin liner during the removal activities.
- Assessed significant damage to the perimeter fence near gas probe GP-11. The damage appeared to be related to fill placement activities and heavy equipment operations conducted by Moore Excavation in the vicinity of the damaged fence. Moore Excavation subsequently repaired the fence.

6.4 FOURTH QUARTER 2011

6.4.1 October

- Repaired flex hoses at extraction wells SW-5, SW-20, NE-1, and NW-35.
- Replaced a damaged 2-inch valve at well NW-4.
- Sealed oxygen leaks at extraction well NE-2 and condensate trap N-1.
- Reconnected well SW-12 to the header line.
- Grundfos replaced the electrical control panel for the South Detention Pond pumping system on October 21, 2011.

6.4.2 November

- Installed new monitoring port at NW-NE composition header.
- Replaced pump controllers at condensate sumps S8 and N8, and installed a sample port on the header near S8.
- Performed water level measurements in the condensate sumps to identify the condensate pumps most appropriate to replace with controller-less pumps.
- Met with Emerald to discuss cleaning of South Detention Pond vault.
- Coordinated factory calibration of the LFG flow meter.

6.4.3 December

- Prepared the South Detention Pond for additional vegetation and sediment removal, including meeting with Emerald to assess potential confined space issues. Performed vegetation removal and sediment removal from the pump vault on December 9, 2011.
- Removed pump controller from condensate sump N6 and installed it in sump N4. Checked the water level in several condensate sumps.
- Temporarily installed a compressed air drier in condensate sump N2.
- Coordinated shipment of the LFG flow meter for factory calibration.
- Prepared and submitted a memorandum dated December 16, 2011, to the County providing (1) a summary of the operational performance of a subset of the condensate sump pumps at the site, (2) justification for SCS's recommendation to replace the pumps, and (3) estimated costs to purchase and replace the pumps. SCS subsequently coordinated, after approval from the County, purchase and installation of two controllerless pumps into two of the condensate sumps.

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TABLES

Table 3-1
Top-of-Casing Elevation Data for Site Monitoring Well
Leichner Brothers Landfill

Monitoring Well ID	Top-of-Casing Reference Elevations Cited in Quarterly Reports (feet, AMSL)	Top-of-Casing Reference Annual Report Groundwater Elevation Database (feet, AMSL)	Elevation Difference (feet)
LB-R2	219.09	222.30	-3.21
LB-1S	210.11	210.21	-0.10
LB-1D	209.71	209.80	-0.09
LB-3S	219.19	218.37	0.82
LB-3D	219.27	219.39	-0.12
LB-4S(R)	226.47	226.40	0.07
LB-4C	227.58	228.07	-0.49
LB-4D	227.27	227.99	-0.72
LB-5S	206.85	206.84	0.01
LB-5C	206.64	206.68	-0.04
LB-5D	207.60	207.53	0.07
LB-6S	202.86	202.89	-0.03
LB-9S(R)	218.44	217.96	0.48
LB-10SR	202.96	204.04	-1.08
LB-10CR	202.97	203.01	-0.04
LB-10DR	203.24	203.34	-0.10
LB-13I	202.30	202.35	-0.05
LB-13C	202.63	202.68	-0.05
LB-13D	202.90	202.98	-0.08
LB-17S	207.92	207.93	-0.01
LB-17I	213.20	213.04	0.16
LB-17C	214.10	206.39	7.71
LB-17D	213.11	213.35	-0.24
LB-20S	221.22	221.26	-0.04
LB-21S	223.43	223.29	0.14
LB-21C	223.38	223.25	0.13
LB-21D	223.69	223.60	0.09
LB-22S	208.46	208.36	0.10
LB-23S	229.27	229.19	0.08
LB-24S	235.21	235.21	0.00
LB-26I	200.17	200.24	-0.07
LB-26D	200.70	200.80	-0.10
LB-27I	205.28	205.40	-0.12
LB-27D	204.61	204.62	-0.01
MW-1 N	216.52	216.58	-0.06
MW-1 S	216.07	216.13	-0.06
MW-1 E	216.38	216.45	-0.07
MW-NE	219.80	219.80	0.00

Notes:
AMSL = above mean sea level

Table 3-2

Statistical Summary of Groundwater Quality Data[a]

95 Percent Upper Confidence Limit of the Mean[b]

Leichner Landfill

Parameter	Compliance Level	Units	LB-1S	LB-1D	LB-3S	LB-3D	LB-4SR	LB-4D	LB-5S	LB-5D	LB-6S	LB-10SR	LB-10DR	LB-13I	LB-13D	LB-17I	LB-17D	LB-20S	LB-26I	LB-26D	LB-27I	LB-27D
Inorganic Parameters																						
Chloride	250	mg/L	6.58	7.28	M(3.4)	M(4.23)	8.81	3.11	5.75	M(13.7)	7.32	14.35	27.72	6.38	M(4.36)	28.25	10.67	0.00	9.50	M(4.97)	M(41.2)	11.58
Nitrate	10	mg/L	5.65	6.05	3.64	M(5.76)	**M(16.6)**	M(7.17)	5.16	1.47	M(3.53)	3.59	1.23	4.82	5.36	0.00	0.00	0.00	4.80	6.47	1.49	0.00
Total Dissolved Solids	500	mg/L	204	M(195)	M(188)	M(201)	212	M(169)	179	245	228	247	332	0.00	205	287	209	341	212	M(196)	M(464)	0.00
Metals																						
Iron (dissolved)	0.3	mg/L	**M(1.62)**	All ND	All ND	All ND	All ND	All ND	**M(0.707)**	All ND	**M(0.379)**	**M(1.15)**	0.06	0.00	0.00	**M(11.30)**	0.09	**M(0.368)[c]**	M(0.039)	0.00	0.00	0.00
Manganese (dissolved)	0.05	mg/L	M(0.045)	All ND	All ND	All ND	All ND	All ND	M(0.0157)	All ND	M(0.0369)	M(0.0138)	**M(0.197)[c]**	M(0.006)	0.00	**M(1.55)**	**4.00**	**M(2.20)[c]**	0.00	0.00	0.00	0.00
Volatile Organic Compounds																						
1,1-Dichloroethene	0.1	µg/L	All ND	All ND	All ND	All ND	All ND	All ND	All ND	All ND	All ND	All ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,4-Dichlorobenzene	1.8	µg/L	All ND	All ND	All ND	All ND	All ND	All ND	All ND	All ND	All ND	All ND	0.00	0.00	0.00	M(0.26)	0.00	M(0.25)	0.00	0.00	0.00	0.00
Tetrachloroethene (PCE)	5	µg/L	All ND	All ND	All ND	All ND	All ND	All ND	All ND	All ND	All ND	All ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Trichloroethene (TCE)	5	µg/L	All ND	All ND	All ND	All ND	All ND	All ND	All ND	All ND	All ND	M(0.15)	0.00	0.00	0.00	M(0.81)	0.00	0.00	0.00	0.00	0.00	0.00
Vinyl Chloride	0.1	µg/L	All ND	All ND	All ND	All ND	All ND	All ND	All ND	All ND	All ND	All ND	0.00	0.00	0.00	0.00	0.00	0.00	M(0.044)	0.00	(M0.053)	0.00

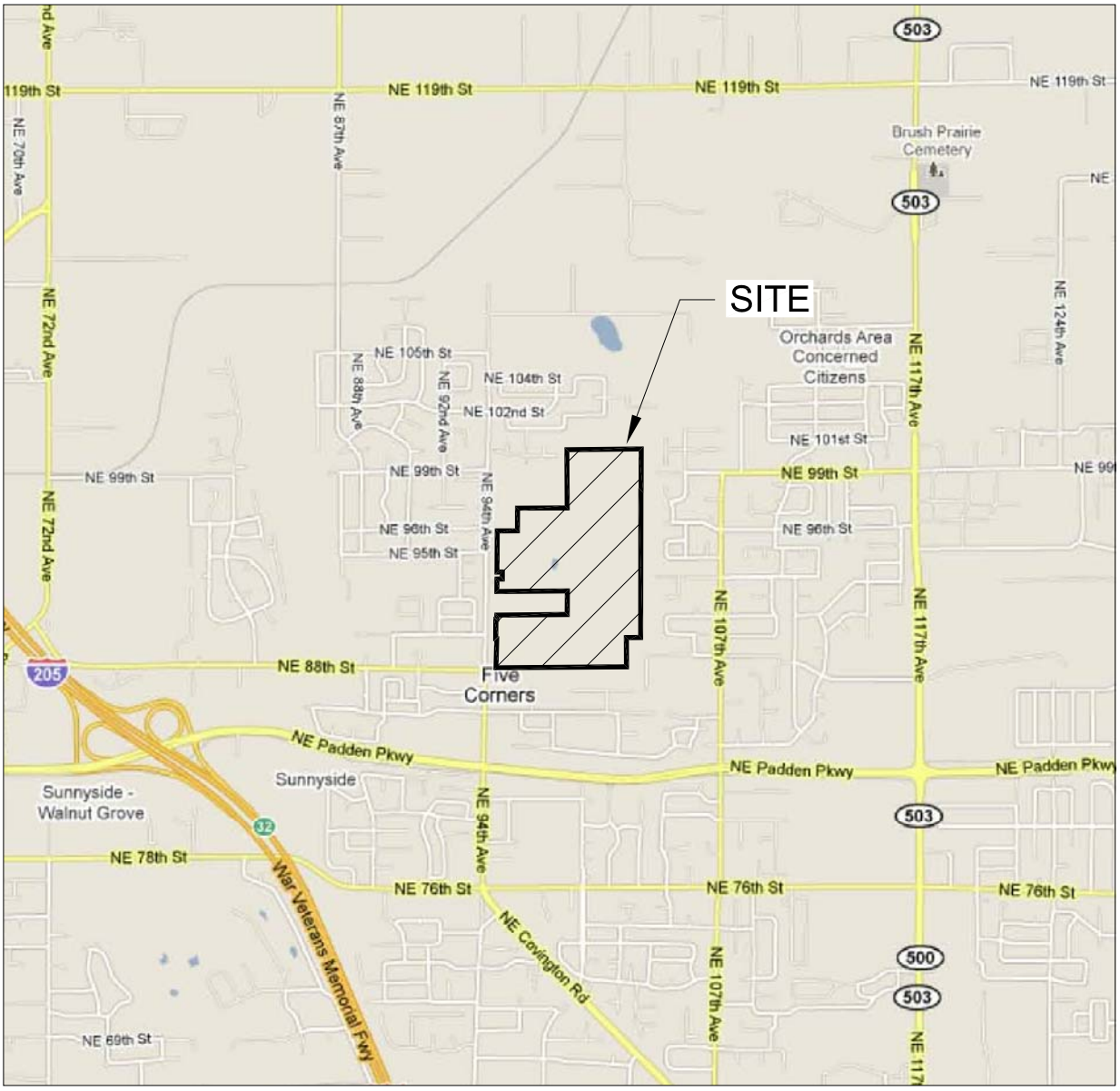
NOTE: mg/L = milligrams per liter. µg/L = micrograms per liter; ND = indicates not detected at any sampling event; M = maximum value detected in last five years shown in parenthesis.
Values shown in **bold** are greater than the specified compliance level.

[a] Data evaluated for the last five years of monitoring (2007 through 2011), unless otherwise noted.

[b] Values shown are the 95 percent upper confidence limit on the mean (UCL-95) calculated using MTCA Stat 97 program and Statistical Guidance for Ecology Site Managers.

[c] Calculated value of lognormally distributed data exceeded the range of concentrations from 2007 to 2011 using Land's method; value shown represents the maximum value detected in the last five years.

FIGURES



NOT TO SCALE

WASHINGTON

SOURCE: GOOGLE MAPS

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Portland, Oregon 97224
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PROJECT NO.	DES BY
04212030.06/.18	J.D.
SCALE	CHK BY
AS SHOWN	D.L.
CAD FILE	APP BY
FIGURE 1-1	L.C.

SITE LOCATION MAP

LEICHNER BROTHERS LANDFILL
CLARK COUNTY, WASHINGTON

DATE
FEBRUARY 2012

FIGURE
1-1

LEGEND:

LB-4SR ⊕	Monitoring Well Location, Alluvial Water–Bearing Zone
LB-4D ⊗	Monitoring Well Location, Troutdale Aquifer
LB-17I □	Monitoring Well Location, Middle of Alluvial Water–Bearing Zone
———	Property Boundary
– – – – –	Limit of Landfill Cover and Approximate Edge of Waste

NOTE:
Topography Taken From Clark County GIS, December 2008

SCALE
0 400 800 FEET

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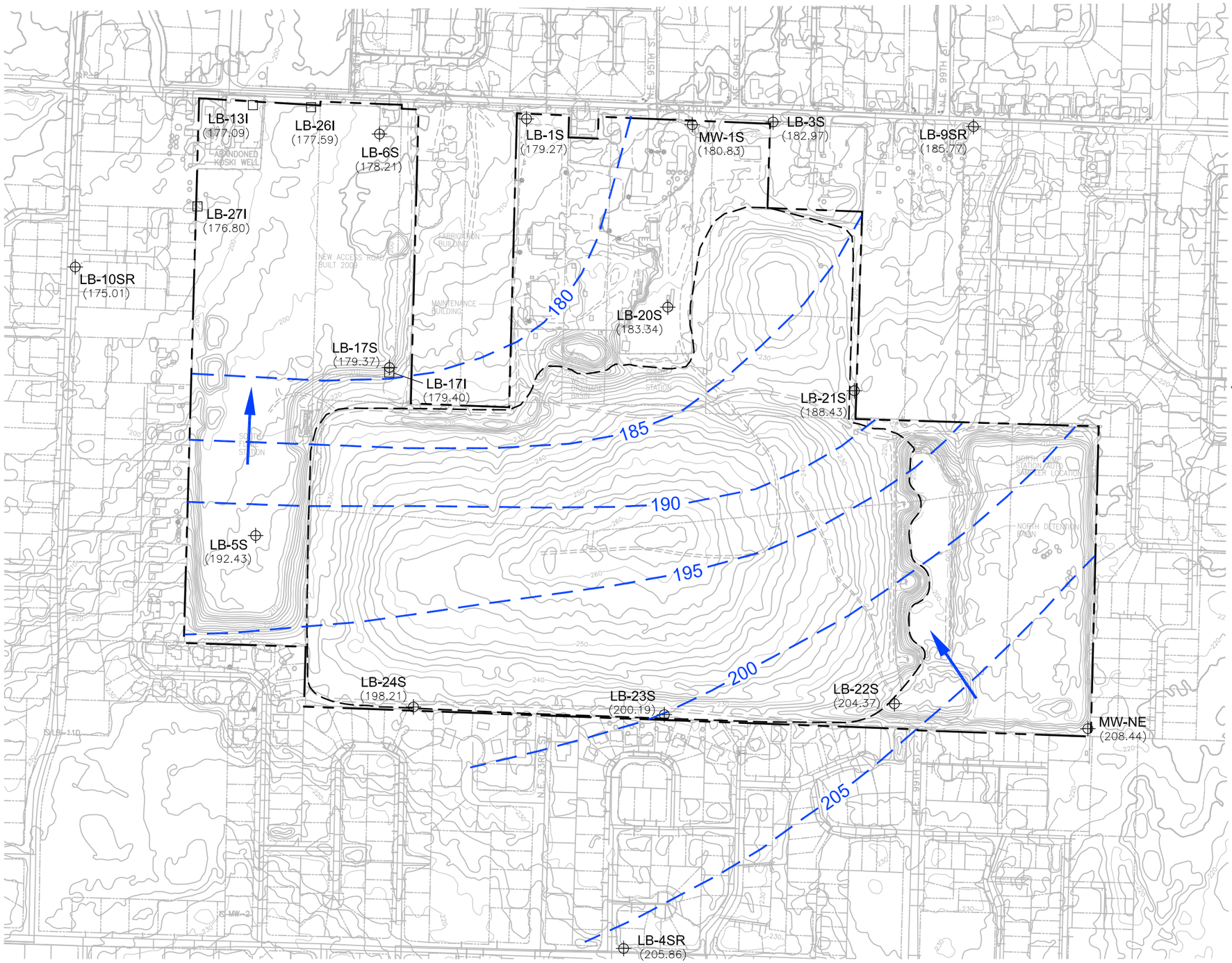
PROJECT NO. 04212030.06/.18	DES BY D.L.	GROUNDWATER MONITORING LOCATIONS	DATE FEBRUARY 2012
SCALE AS SHOWN	CHK BY D.L.	LEICHNER BROTHERS LANDFILL CLARK COUNTY, WASHINGTON	FIGURE 3-1
CAD FILE FIGURE 3-1	APP BY L.C.		



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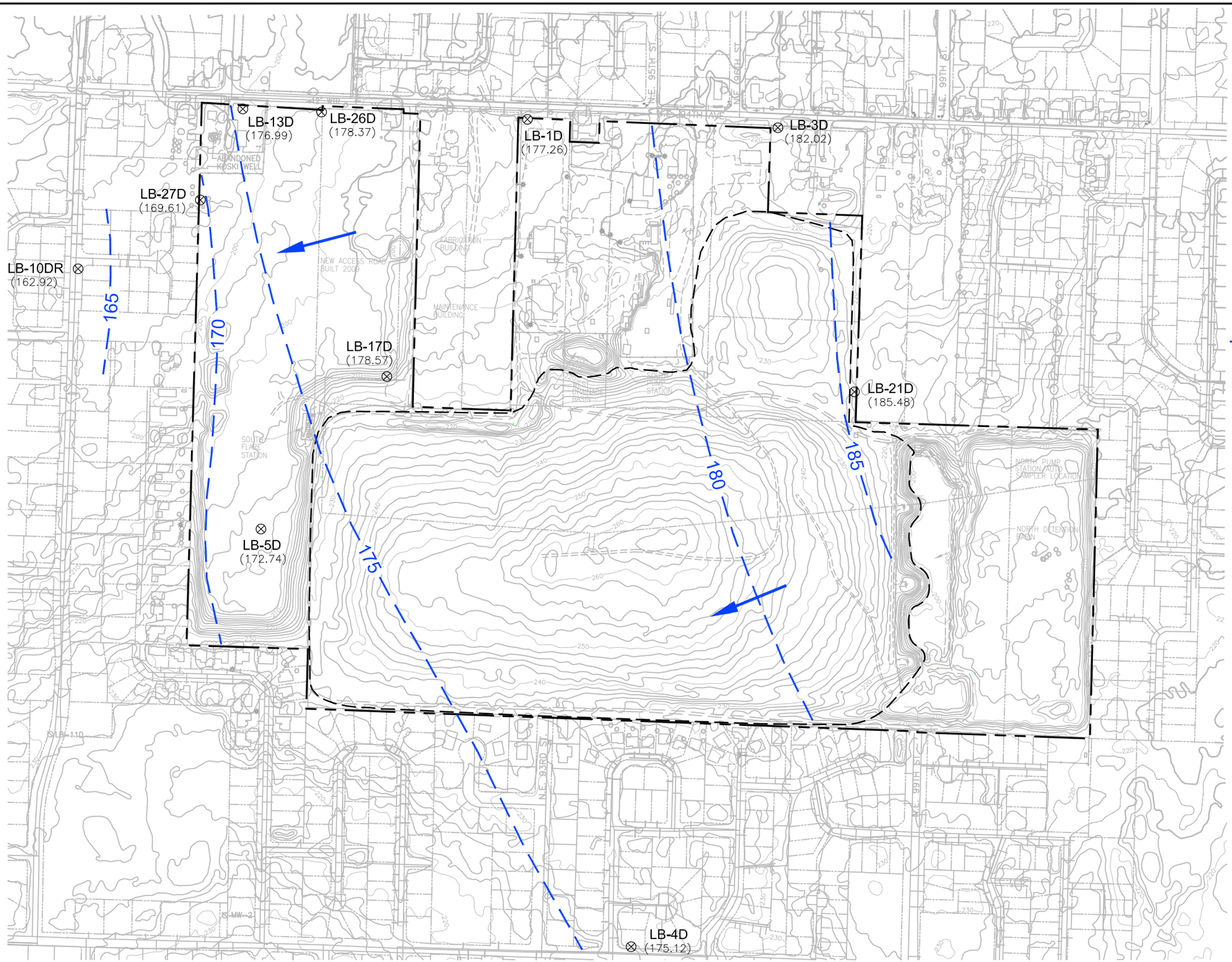
PROJECT NO. 04212030.06/.18	DES BY D.L.	GROUNDWATER POTENTIOMETRIC SURFACE CONTOURS ALLUVIAL WATER BEARING ZONE MARCH 21, 2011 LEICHNER BROTHERS LANDFILL CLARK COUNTY, WASHINGTON	DATE FEBRUARY 2012
SCALE AS SHOWN	CHK BY D.L.		FIGURE 3-2
CAD FILE FIGURE 3-2	APP BY L.C.		



LEGEND:

LB-4D	Well Location, Troutdale Aquifer
	Property Boundary
	Limit of Landfill Cover and Approximate Edge of Waste
185	Groundwater Potentiometric Surface Contour
(185.48)	Groundwater Elevation Measured on March 21, 2011
	Inferred Groundwater Flow Direction

NOTE:
Topography Taken From Clark County GIS, December 2008

SCALE
0 400 800 FEET

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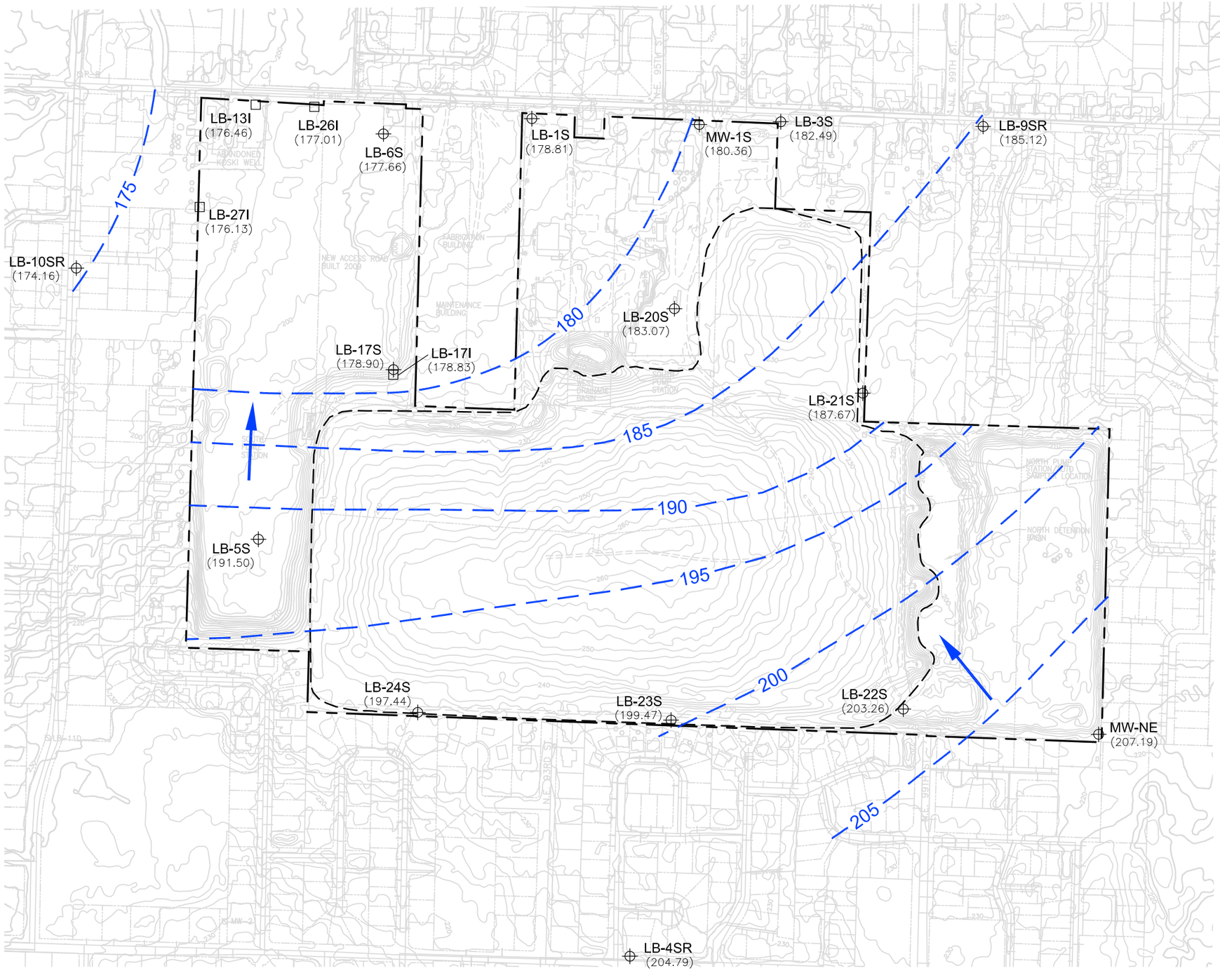
PROJECT NO. 04212030.06/.18	DES BY D.L.	GROUNDWATER POTENTIOMETRIC SURFACE CONTOURS TROUTDALE FORMATION AQUIFER MARCH 21, 2011 LEICHNER BROTHERS LANDFILL CLARK COUNTY, WASHINGTON	DATE FEBRUARY 2012
SCALE AS SHOWN	CHK BY D.L.		FIGURE 3-3
CAD FILE FIGURE 3-3	APP BY L.C.		



LEGEND:

LB-4SR ⊕ — Monitoring Well Location, Alluvial Water–Bearing Zone

LB-17I □ — Monitoring Well Location, Middle of Alluvial Water–Bearing Zone

Property Boundary

Limit of Landfill Cover and Approximate Edge of Waste

205 — Groundwater Potentiometric Surface Contour

(207.19) — Groundwater Elevation Measured on September 6, 2011

Inferred Groundwater Flow Direction

NOTE:
Topography Taken From Clark County GIS, December 2008

SCALE
0 400 800 FEET

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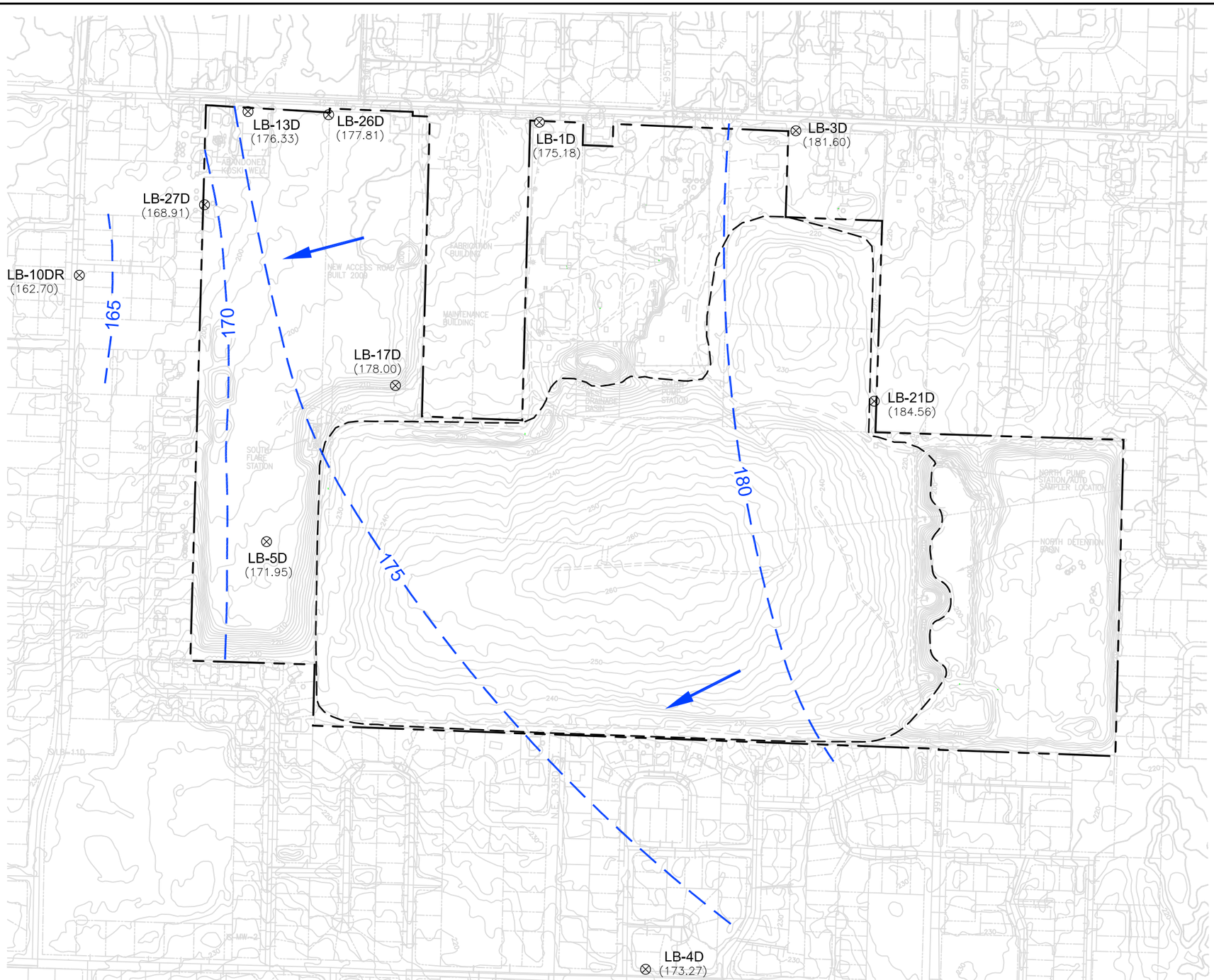
PROJECT NO.	04212030.06/.18
DES BY	D.L.
SCALE	AS SHOWN
CHK BY	D.L.
CAD FILE	FIGURE 3-4
APP BY	L.C.

GROUNDWATER POTENTIOMETRIC SURFACE CONTOURS
ALLUVIAL WATER BEARING ZONE
SEPTEMBER 6, 2011

LEICHNER BROTHERS LANDFILL
CLARK COUNTY, WASHINGTON

DATE: FEBRUARY 2012

FIGURE: 3-4



LEGEND:

LB-4D ⊗	Monitoring Well Location, Troutdale Aquifer
— — — —	Property Boundary
— — — — —	Limit of Landfill Cover and Approximate Edge of Waste
— —180— —	Groundwater Potentiometric Surface Contour
(184.56)	Groundwater Elevation Measured on September 6, 2011
→	Inferred Groundwater Flow Direction

NOTE:
Topography Taken From Clark County GIS, December 2008

SCALE
0 400 800 FEET

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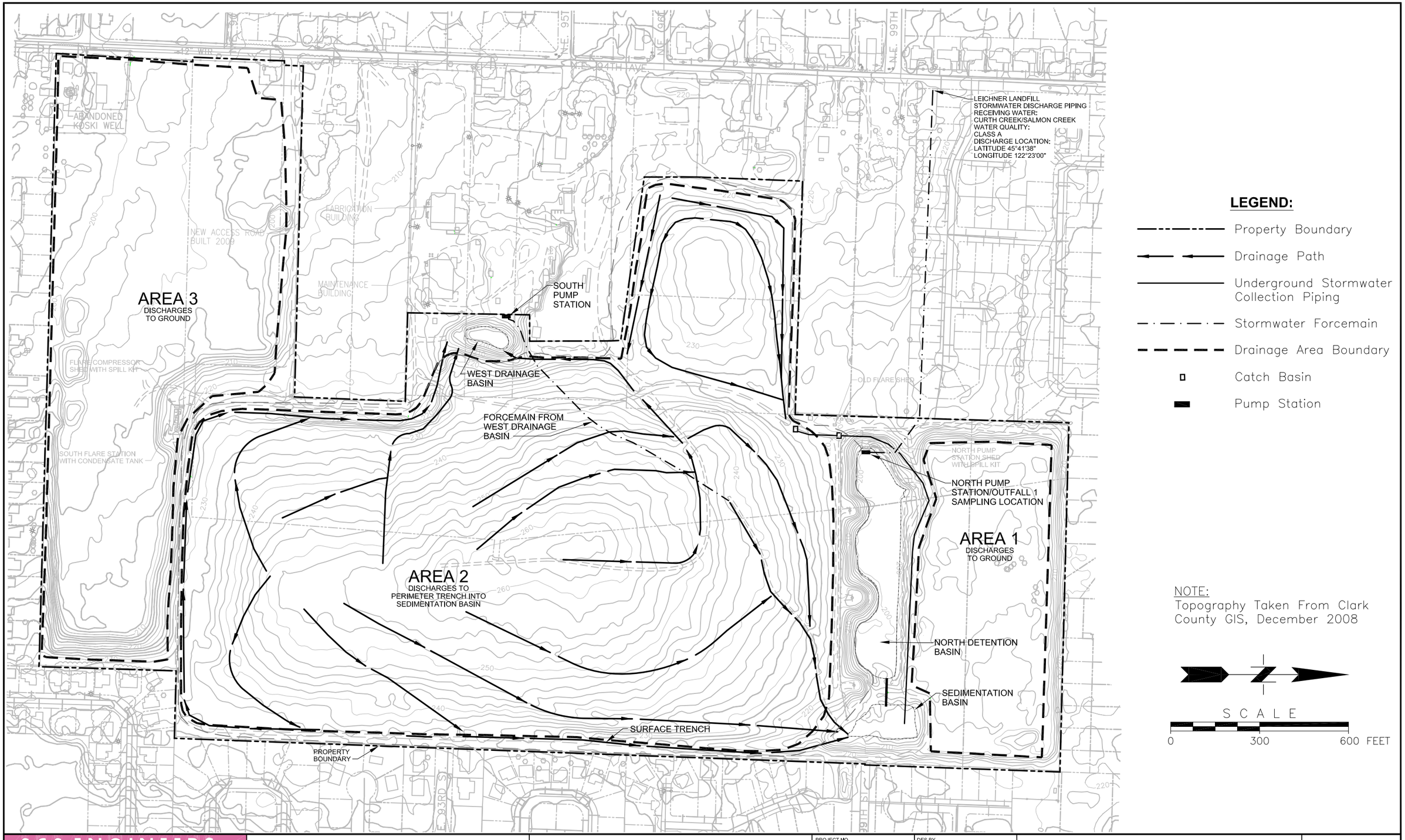
PROJECT NO. 04212030.06/.18	DES BY D.L.	GROUNDWATER POTENTIOMETRIC SURFACE CONTOURS TROUTDALE FORMATION AQUIFER SEPTEMBER 6, 2011	DATE FEBRUARY 2012
SCALE AS SHOWN	CHK BY D.L.	LEICHNER BROTHERS LANDFILL CLARK COUNTY, WASHINGTON	FIGURE 3-5
CAD FILE FIGURE 3-5	APP BY L.C.		



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PROJECT NO. 04212030.06/.18	DES BY D.L.
SCALE AS SHOWN	CHK BY J.D.
CAD FILE FIGURE 4-1	APP BY L.C.

SITE MAP AND STORMWATER SYSTEM

LEICHNER BROTHERS LANDFILL
CLARK COUNTY, WASHINGTON

DATE FEBRUARY 2012

FIGURE 4-1

LEGEND:

- GP-30 — Compliance Landfill Gas Monitoring Probe Location
- SW-2 — Vertical Landfill Gas Extraction Well
- Condensate Sump
- Gas Collection Piping
- Property Boundary
- Limit of Landfill Cover and Approximate Edge of Waste

NOTE:
Topography Taken From Clark County GIS, December 2008

SCALE
0 400 800 FEET

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PROJECT NO. 04212030.06/.18	DES BY D.L.	LANDFILL GAS PROBE AND EXTRACTION WELL LOCATIONS	DATE FEBRUARY 2012
SCALE AS SHOWN	CHK BY D.L.	LEICHNER BROTHERS LANDFILL CLARK COUNTY, WASHINGTON	FIGURE 5-1
CAD FILE FIGURE 5-1	APP BY L.C.		

APPENDIX A

2011 Groundwater Elevation Data and Groundwater Elevation Hydrographs

2011 Groundwater Elevation Data

Table A-1
2011 Groundwater Elevation Data
Leichner Brothers Landfill

Monitoring Well	Reference Elevation (feet, AMSL)	Depth to Groundwater (feet, BTOC) [a]	Groundwater Elevation (feet, AMSL)
LB-R2	219.09	42.78	176.31
LB-R2	219.09	43.25	175.84
LB-1S	210.11	30.84	179.27
LB-1S	210.11	31.30	178.81
LB-1D	209.71	32.45	177.26
LB-1D	209.71	34.53	175.18
LB-3S	219.19	36.22	182.97
LB-3S	219.19	36.70	182.49
LB-3D	219.27	37.25	182.02
LB-3D	219.27	37.67	181.60
LB-4S(R)	226.47	20.61	205.86
LB-4S(R)	226.47	21.68	204.79
LB-4C	227.58	44.07	183.51
LB-4C	227.58	45.42	182.16
LB-4D	227.27	52.15	175.12
LB-4D	227.27	54.00	173.27
LB-5S	206.85	14.42	192.43
LB-5S	206.85	15.35	191.50
LB-5C	206.64	29.95	176.69
LB-5C	206.64	NM [b]	--
LB-5D	207.60	34.86	172.74
LB-5D	207.60	35.65	171.95
LB-6S	202.86	24.65	178.21
LB-6S	202.86	25.20	177.66
LB-9S(R)	218.44	32.67	185.77
LB-9S(R)	218.44	33.32	185.12
LB-10SR	202.96	27.95	175.01
LB-10SR	202.96	28.80	174.16
LB-10CR	202.97	26.89	176.08
LB-10CR	202.97	27.74	175.23
LB-10DR	203.24	40.32	162.92
LB-10DR	203.24	40.54	162.70

Table A-1
2011 Groundwater Elevation Data
Leichner Brothers Landfill

Monitoring Well	Reference Elevation (feet, AMSL)	Depth to Groundwater (feet, BTOC) [a]	Groundwater Elevation (feet, AMSL)
LB-13I	202.30	25.21	177.09
LB-13I	202.30	25.84	176.46
LB-13C	202.63	25.63	177.00
LB-13C	202.63	26.27	176.36
LB-13D	202.90	25.91	176.99
LB-13D	202.90	26.57	176.33
LB-17S	207.92	28.53	179.39
LB-17S	207.92	29.02	178.90
LB-17I	213.20	33.80	179.40
LB-17I	213.20	34.37	178.83
LB-17C	214.10	27.34	186.76
LB-17C	214.10	NM [b]	--
LB-17D	213.11	34.54	178.57
LB-17D	213.11	35.11	178.00
LB-20S	221.22	37.88	183.34
LB-20S	221.22	38.15	183.07
LB-21S	223.43	35.00	188.43
LB-21S	223.43	35.76	187.67
LB-21C	223.38	35.47	187.91
LB-21C	223.38	36.17	187.21
LB-21D	223.69	38.21	185.48
LB-21D	223.69	39.13	184.56
LB-22S	208.46	4.09	204.37
LB-22S	208.46	5.20	203.26
LB-23S	229.27	29.08	200.19
LB-23S	229.27	29.80	199.47
LB-24S	235.21	37.00	198.21
LB-24S	235.21	37.77	197.44
LB-26I	200.17	22.58	177.59
LB-26I	200.17	23.16	177.01
LB-26D	200.70	22.33	178.37
LB-26D	200.70	22.89	177.81

Table A-1
2011 Groundwater Elevation Data
Leichner Brothers Landfill

Monitoring Well	Reference Elevation (feet, AMSL)	Depth to Groundwater (feet, BTOC) [a]	Groundwater Elevation (feet, AMSL)
LB-27I	205.28	28.48	176.80
LB-27I	205.28	29.15	176.13
LB-27D	204.61	35.00	169.61
LB-27D	204.61	35.70	168.91
MW-1 N	216.52	Dry	NA
MW-1 N	216.52	Dry	NA
MW-1 S	216.07	35.24	180.83
MW-1 S	216.07	35.71	180.36
MW-1 E	216.38	Dry	NA
MW-1 E	216.38	Dry	NA
MW-NE	219.80	11.36	208.44
MW-NE	219.80	12.61	207.19

Notes:

AMSL = above mean sea level; BTOC = below top of casing; NA = not applicable; NM = not measured

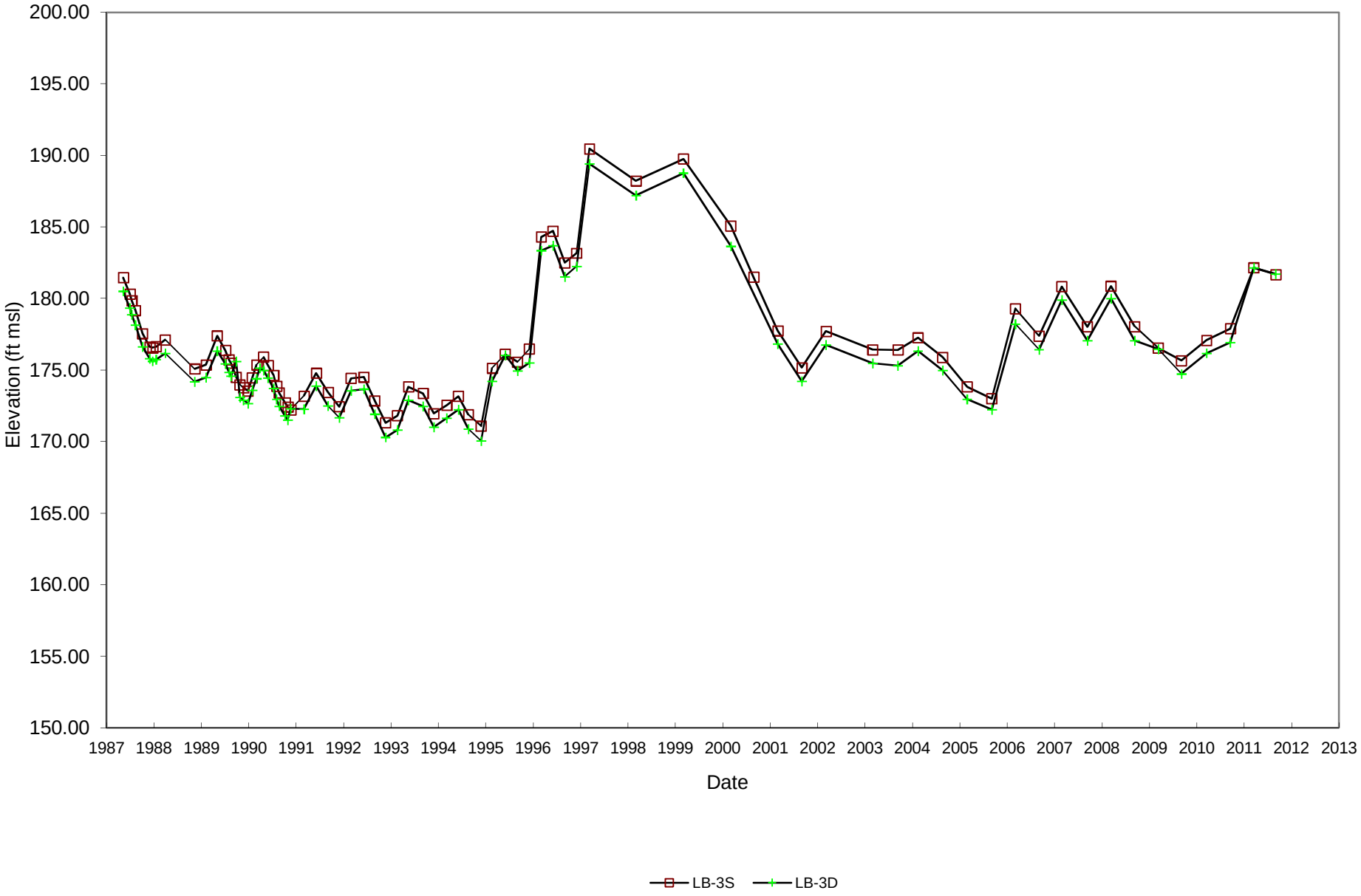
[a] Measured on March 21 and September 6, 2011, for all wells.

[b] Not measured due to active wasp nests inside the protective casing.

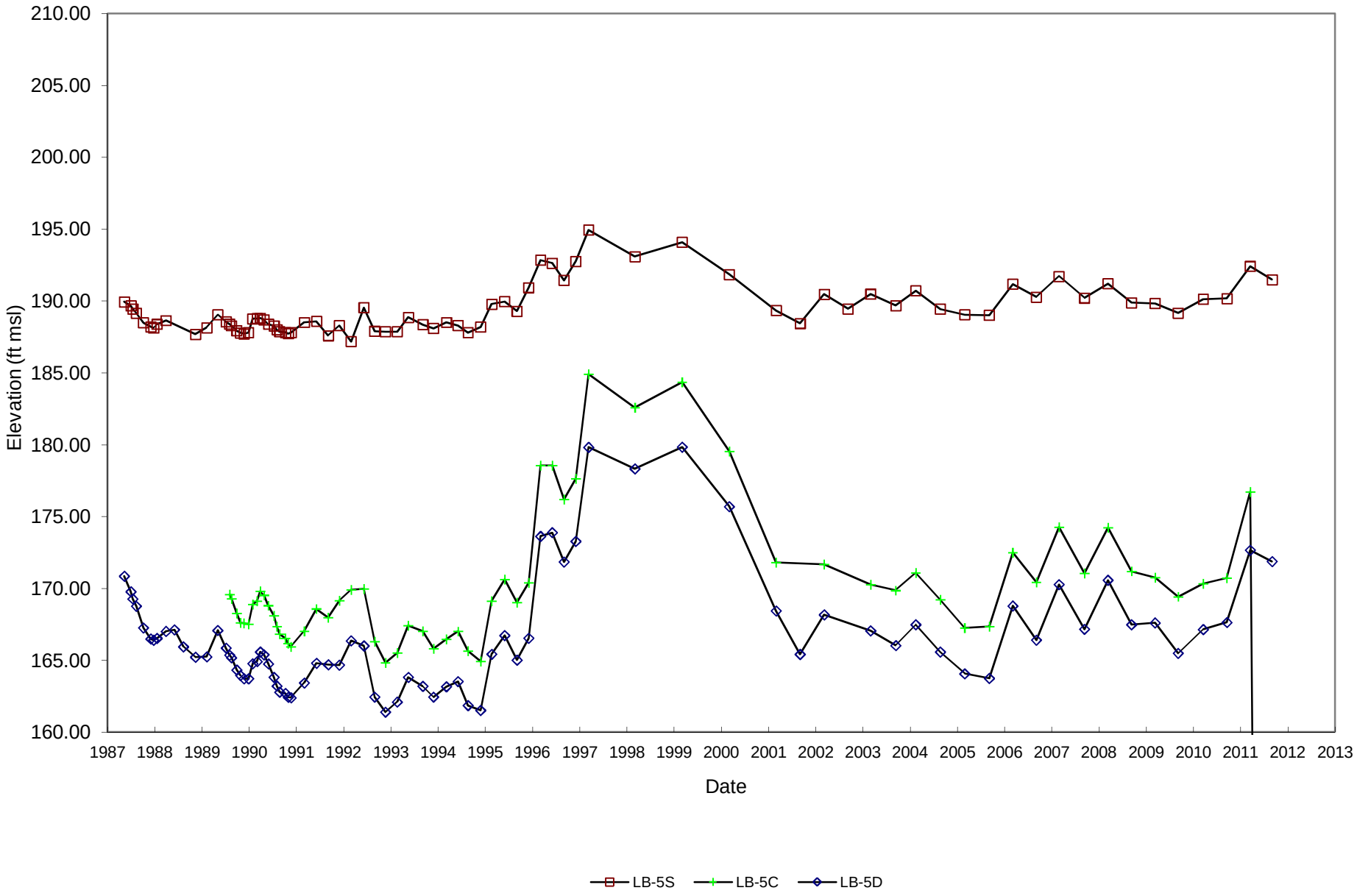
Groundwater Elevation Hydrographs

Leichner Landfill
Water Levels

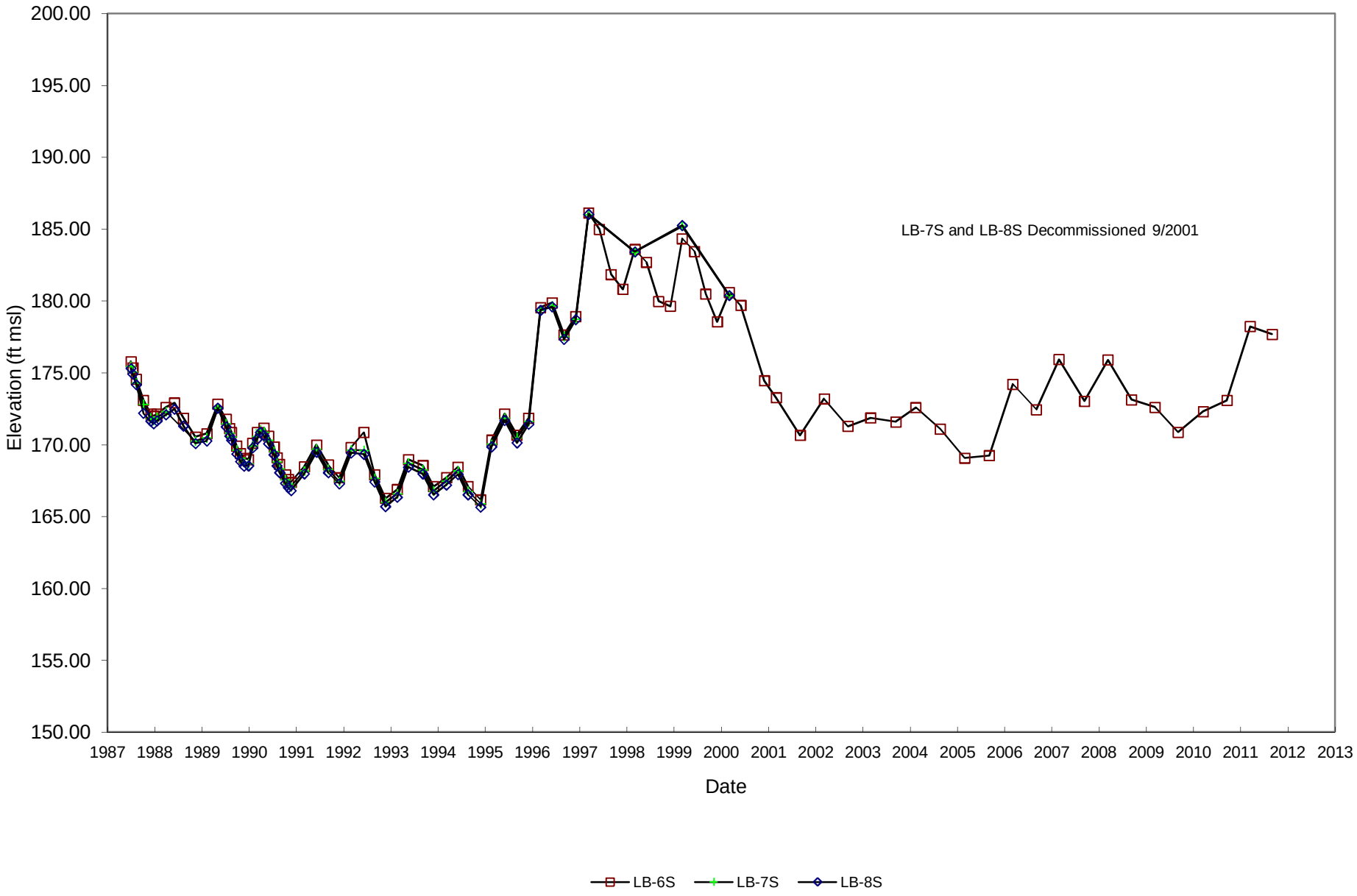
Leichner Landfill
Water Levels



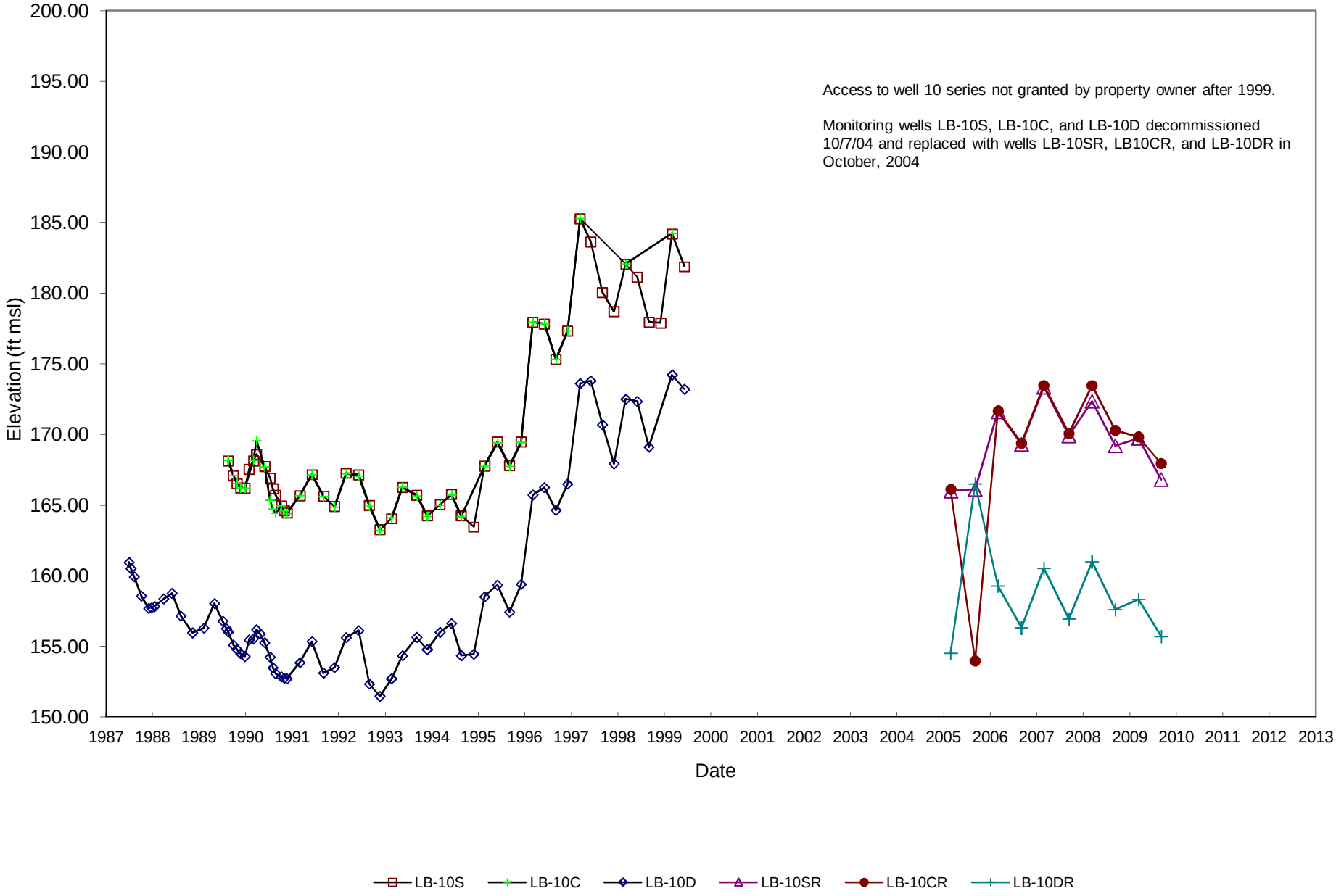
Leichner Landfill
Water Levels



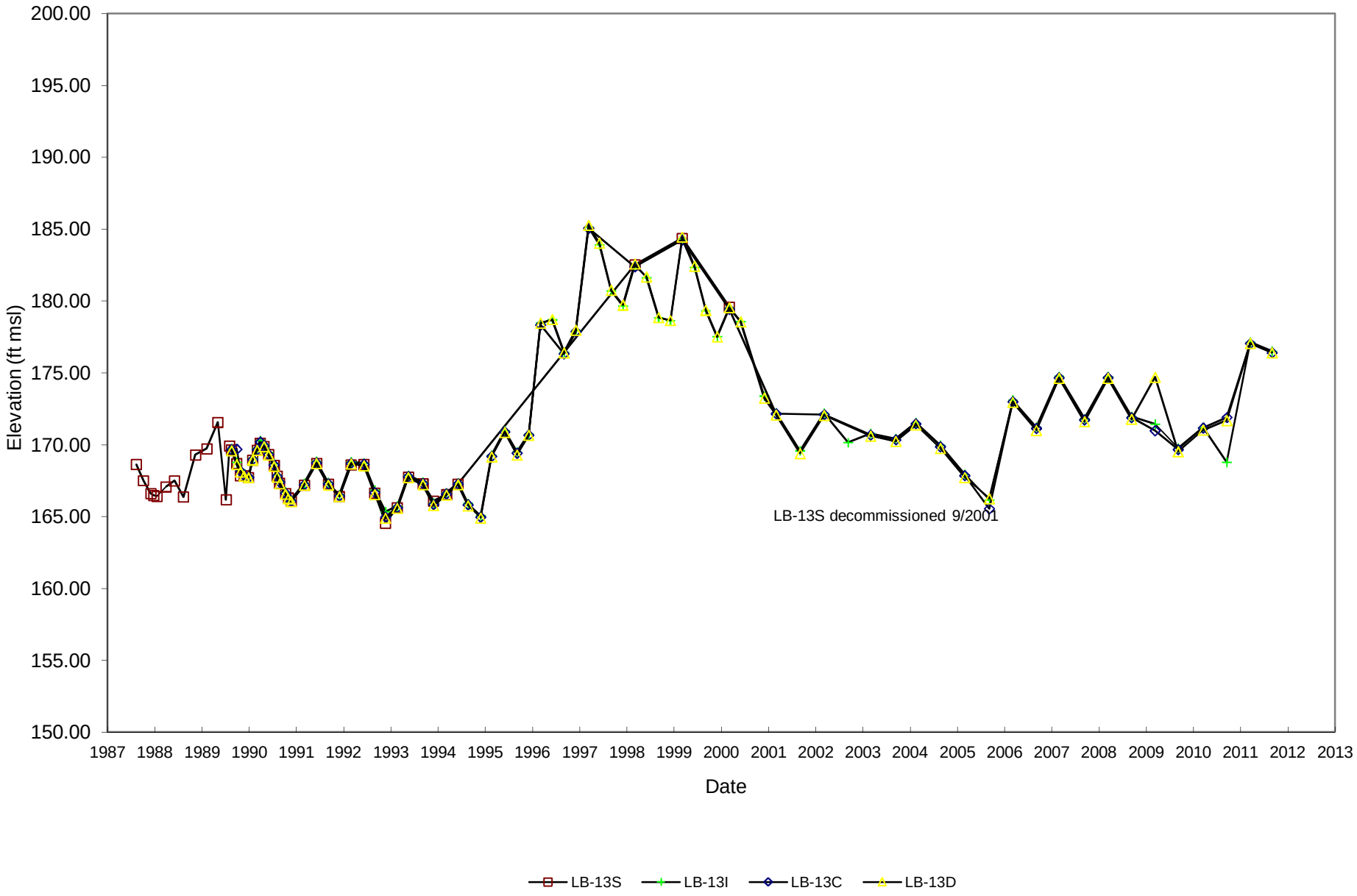
Leichner Landfill
Water Levels



Leichner Landfill
Water Levels

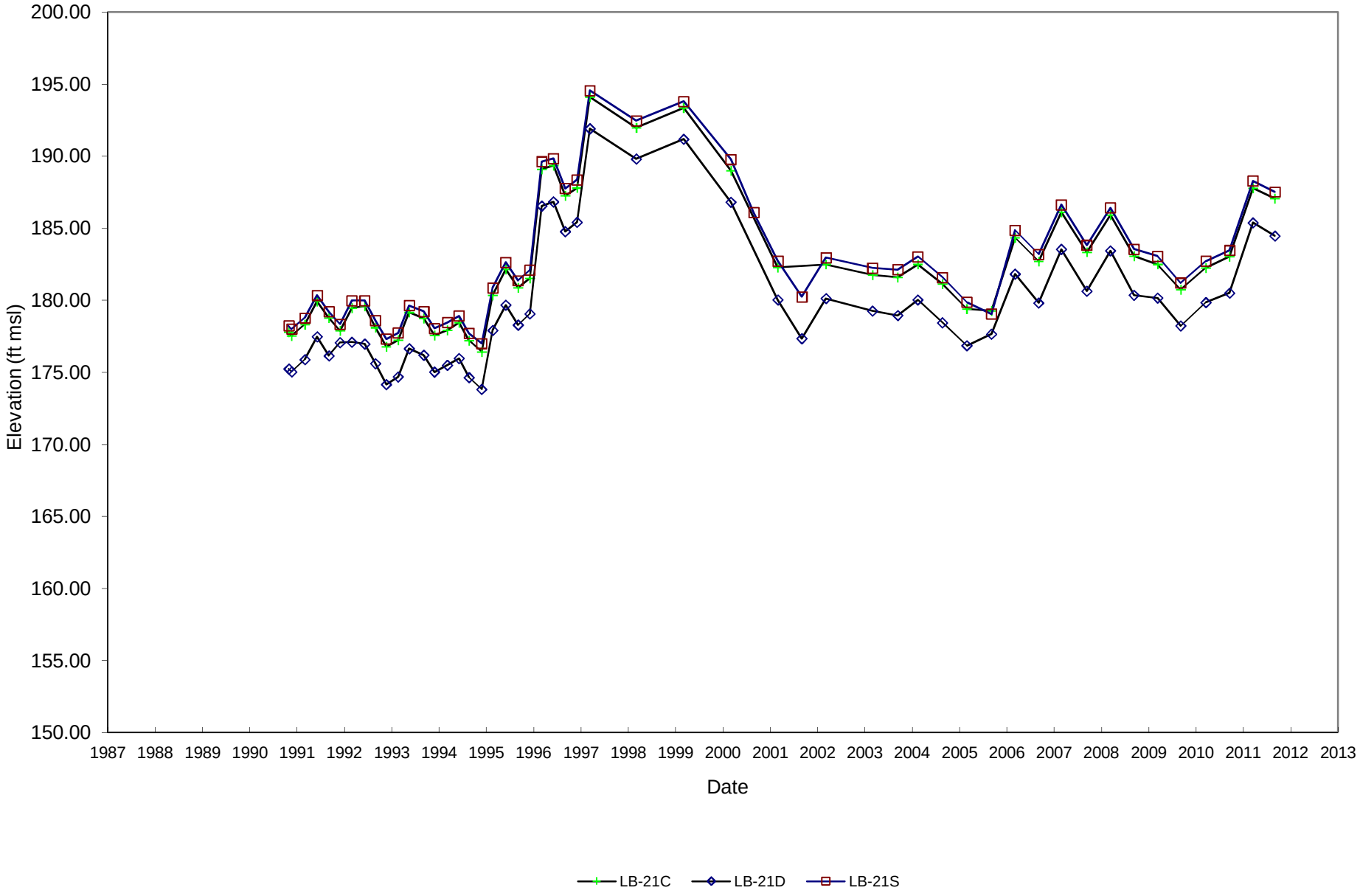


Leichner Landfill
Water Levels

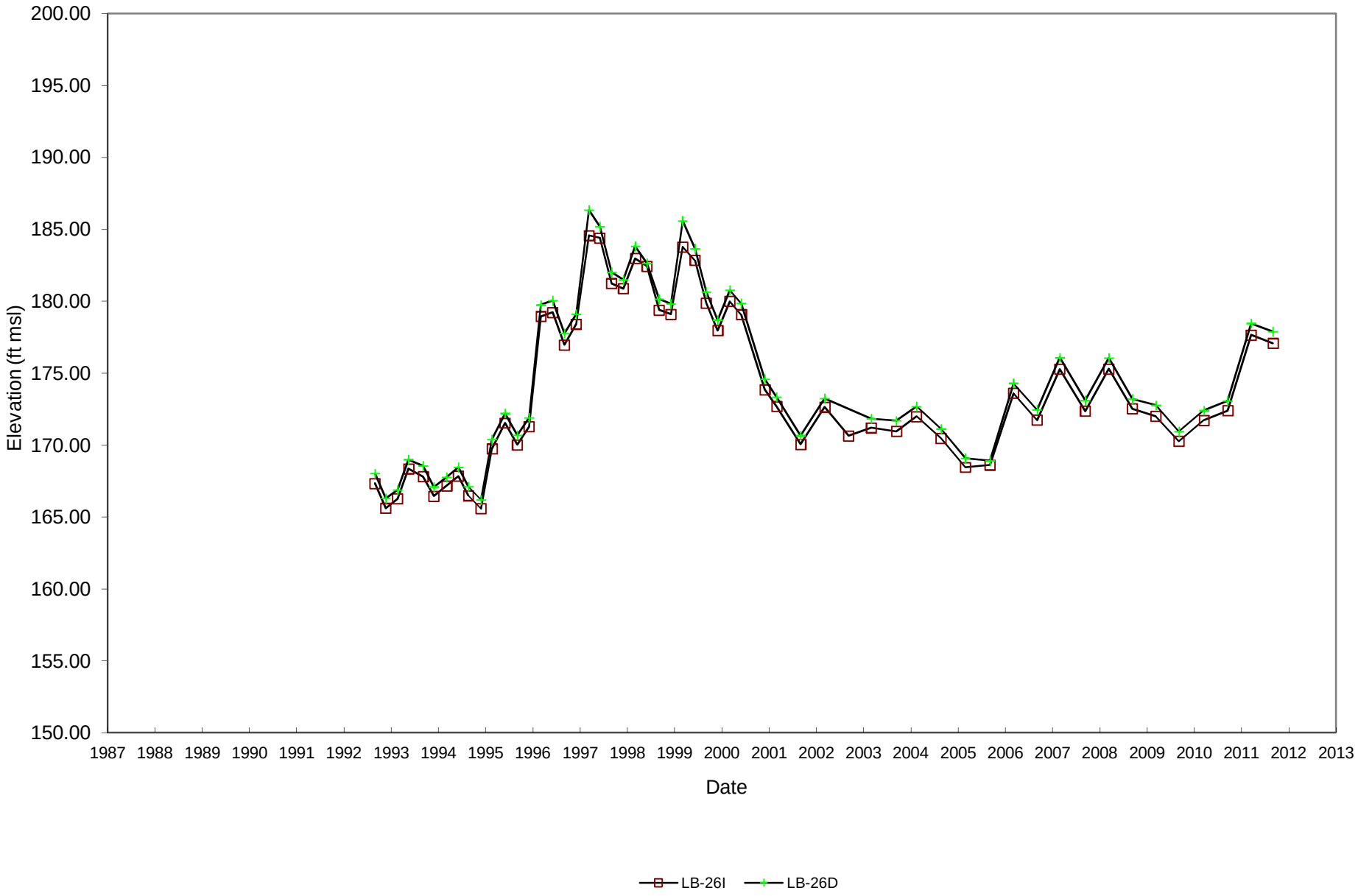


Leichner Landfill
Water Levels

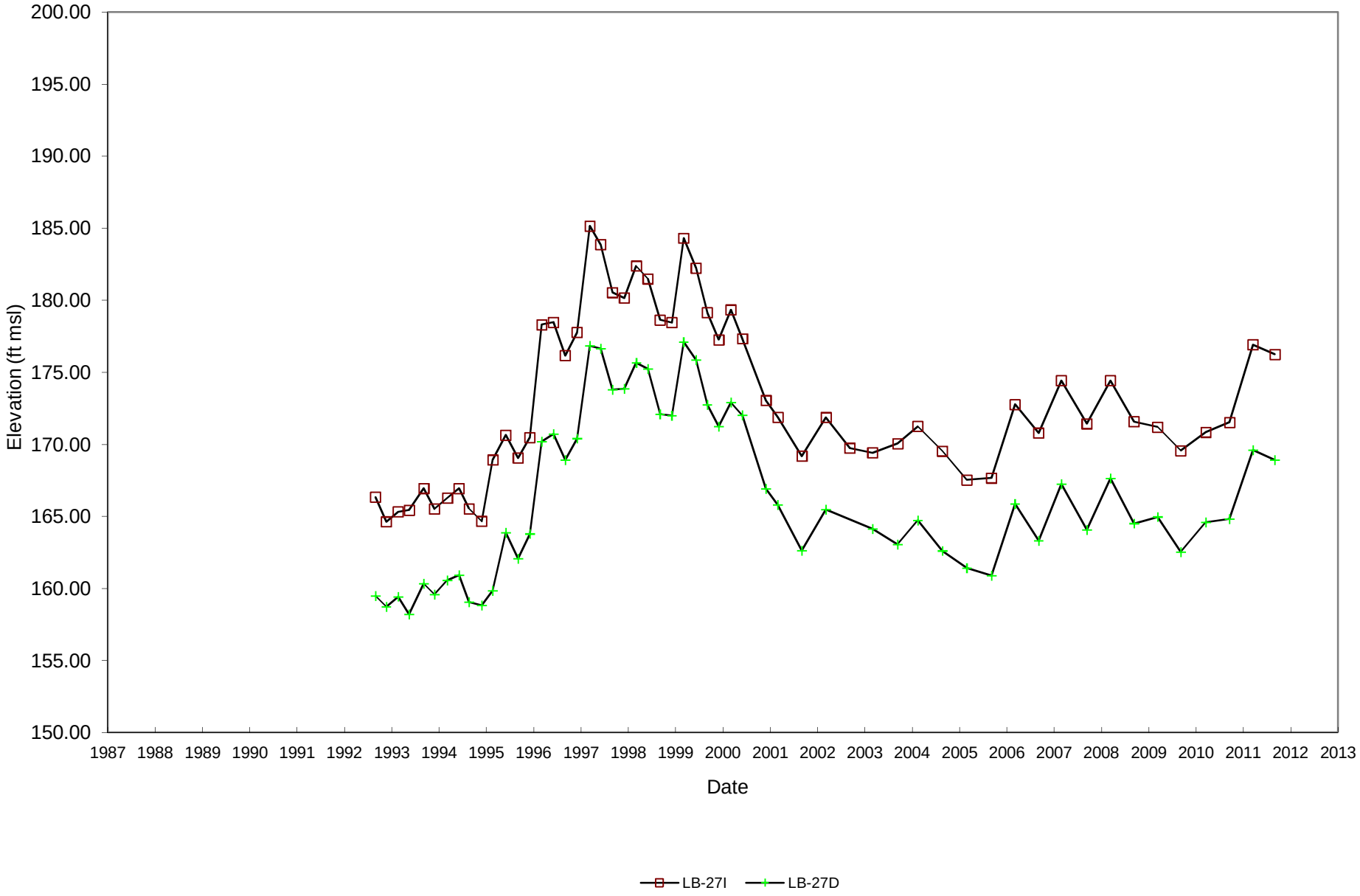
Leichner Landfill
Water Levels



Leichner Landfill
Water Levels



Leichner Landfill
Water Levels



APPENDIX B

Historical Groundwater Analytical Data (Summary Tables)

Field Parameters

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-1D	LB-289-W04	2/28/89	6.18	225	10.0	
LB-1D	LB-589-W03	5/23/89	7.01	220	11.5	
LB-1D	LB-1089-W01	10/17/89	6.60	213	10.5	
LB-1D	LB-1189-W04	11/14/89	7.25	191	10.5	
LB-1D	LB-1289-W22	12/19/89	7.01	190	9.0	
LB-1D	LB-390-W09	3/14/90	6.92	188	11.0	
LB-1D	LB-690-W11	6/20/90	7.11	188	13.0	
LB-1D	LB-990-W08	9/14/90	6.79	223	12.5	
LB-1D	LB-1290-W06	12/11/90	6.90	199	10.7	
LB-1D	LB-391-W11	3/20/91	6.95	171	13.2	
LB-1D	LB-691-W06	6/25/91	7.05	226	11.7	
LB-1D	LB-991-06	9/24/91	7.05	184	10.7	
LB-1D	LB-1291-14	12/23/91	7.26	202	10.3	
LB-1D	LB-392-14	3/23/92	7.17	200	13.0	
LB-1D	LB-63092-2	6/30/92	6.73	217	13.0	
LB-1D	LB-92292-3	9/22/92	7.09	202	12.0	
LB-1D	LB-121192-16	12/11/92	7.03	205	12.0	
LB-1D	LB-031093-4	3/10/93	7.06	202	12.0	
LB-1D	LB-060293-6	6/2/93	7.00	196	13.5	
LB-1D	LB-092393-8	9/23/93	7.21	195	13.0	8.00
LB-1D	LB-121593-2	12/15/93	7.00	206	10.0	7.40
LB-1D	LB-032494-2	3/24/94	7.11	203	14.0	7.60
LB-1D	LB-062194-1	6/21/94	7.02	206	16.0	7.70
LB-1D	LB-090694-2	9/6/94	7.01	201	14.5	
LB-1D	LB-121494-12	12/14/94	7.29	259	11.0	9.90
LB-1D	LB-030995-2	3/9/95	7.01	219	13.5	7.70
LB-1D	LB-062095-13	6/20/95	7.11	227	13.0	7.20
LB-1D	LB-092295-14	9/22/95	6.97	211	12.6	
LB-1D	LB-12995-6	12/19/95	7.21	196	8.4	
LB-1D	LB-032096-18	3/20/96	6.98	233	14.5	
LB-1D	LB-061896-10	6/18/96	7.25	188	14.0	
LB-1D	LB-091796-6	9/17/96	7.13	181	13.4	
LB-1D	LB121796-2	12/17/96	7.48	207	10.6	
LB-1D	LB-031997-4	3/19/97	6.90	228	12.0	
LB-1D	LB-061797-4	6/17/97	7.21	211	13.7	
LB-1D	LB-091697-1	9/16/97	6.80	118	12.3	
LB-1D	LB-121697-4	12/16/97	7.03	223	11.9	8.30
LB-1D	LB-031998-4	3/19/98	6.71	220	12.2	
LB-1D	LB-061698-6	6/16/98	7.10	198	12.5	
LB-1D	LB-091798-3	9/17/98	8.12	134.6	12.6	
LB-1D	LB-121898-10	12/18/98	7.18	231	11.3	
LB-1D	LB-031799-04	3/17/99	7.18	184	13.2	
LB-1D	LB-062399-15	6/23/99	7.08	157	13.3	

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-1D	LB-091799-11	9/17/99	6.91	222	12.2	
LB-1D	LB-121699-12	12/16/99	7.02	170	12.2	
LB-1D	LB-091100-2	9/11/00	7.02	221	13.0	
LB-1D	LB-121500-10	12/15/00	7.06	188	11.8	
LB-1D	LB-031501-15	3/15/01	6.92	220	11.5	
LB-1D (Dup)	LB-031501-16	3/15/01	6.92	220	11.5	
LB-1D	LB-031902-2	3/19/02	7.17	216	11.8	
LB-1D	LB-031303-12	3/13/03	6.77	200	12.0	
LB-1D	LB-022404-1	2/24/04	7.54	158	52.5	
LB-1D	LB-030905-13	3/9/05	6.69	215	12.0	8.39
LB-1D	LB-031406-1	3/14/06	6.90	162	11.5	8.55
LB-1D (Dup)	LB-031406-2	3/14/06	6.90	162	11.5	8.55
LB-1D	LB-030507-2	3/5/07	6.24	170	12.6	8.90
LB-1D	LB-032408-15	3/24/08	6.97	300	10.8	
LB-1D	LB-1D	3/17/09	6.89	221	11.4	10.18
LB-1D	LB-1D032310	3/23/10	7.15	266	11.6	
LB-1D	LB-1D	3/28/11	7.45	355	11.9	6.54
LB-1S	LB-589-W04	5/23/89	6.61	572	12.5	
LB-1S	LB-1289-W12	12/15/89	6.56	352	9.5	
LB-1S	LB-390-W10	3/14/90	6.26	367	11.5	
LB-1S	LB-690-W10	6/20/90	6.58	446	12.0	
LB-1S	LB-990-W06	9/14/90	6.40	416	13.0	
LB-1S	LB-1290-W05	12/11/90	6.38	554	11.2	
LB-1S	LB-391-W10	3/20/91	6.30	565	13.1	
LB-1S	LB-691-W05	6/25/91	6.63	546	12.5	
LB-1S	LB-991-05	9/24/91	6.67	316	11.7	
LB-1S	LB-1291-13	12/23/91	6.94	377	11.1	
LB-1S	LB-392-15	3/23/92	6.64	416	14.0	
LB-1S	LB-63092-1	6/30/92	6.71	414	14.0	
LB-1S	LB-92292-2	9/22/92	6.47	358	12.5	
LB-1S	LB-121192-15	12/11/92	6.51	353	12.0	
LB-1S	LB-031093-3	3/10/93	6.46	630	12.0	
LB-1S	LB-060293-5	6/2/93	6.20	565	14.5	
LB-1S	LB-092393-09	9/23/93	6.62	475	15.0	4.90
LB-1S	LB-121593-1	12/15/93	6.41	456	12.5	3.80
LB-1S	LB-032494-1	3/24/94	6.29	567	15.0	
LB-1S	LB-062194-4	6/21/94	6.30	554	16.5	4.70
LB-1S	LB-090694-1	9/6/94	6.36	516	14.5	
LB-1S	LB-121494-11	12/14/94	7.49	589	10.0	6.20
LB-1S	LB-030995-1	3/9/95	6.61	455	13.5	
LB-1S	LB-062095-12	6/20/95	6.74	553	13.5	7.30
LB-1S	LB-092295-13	9/22/95	6.98	448	13.1	
LB-1S	LB-121995-5	12/19/95	6.74	390	10.2	

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-1S	LB-032096-17	3/20/96	6.71	496	18.0	
LB-1S	LB-061896-9	6/18/96	6.82	361	14.0	
LB-1S	LB-091796-5	9/17/96	6.73	401	12.6	
LB-1S	LB121796-1	12/17/96	7.40	398	11.5	
LB-1S	LB-031997-3	3/19/97	6.61	517	12.8	
LB-1S	LB-061797-3	6/17/97	6.55	350	14.7	
LB-1S	LB-091697-2	9/16/97	6.50	323	13.1	
LB-1S	LB-121697-5	12/16/97	6.52	465	13.1	6.30
LB-1S	LB-031998-3	3/19/98	6.78	538	13.0	
LB-1S	LB-061698-5	6/16/98	6.49	329	13.5	
LB-1S	LB-091798-4	9/17/98	6.76	281	13.8	
LB-1S	LB-121898-9	12/18/98	6.69	344	12.4	
LB-1S	LB-031799-3	3/17/99	6.85	327	14.6	
LB-1S	LB-062399-14	6/23/99	6.72	266	14.4	
LB-1S	LB-091799-9	9/17/99	6.57	442	13.3	
LB-1S	LB-121699-13	12/16/99	6.64	310	13.6	
LB-1S	LB-091100-1	9/11/00	6.59	371	13.9	
LB-1S	LB-121500-9	12/15/00	6.69	305	13.0	
LB-1S	LB-031401-14	3/14/01	6.58	276	13.3	
LB-1S	LB-092001-6	9/20/01	6.63	305	13.2	
LB-1S	LB-031902-1	3/19/02	7.45	288	12.7	6.89
LB-1S	LB-091802-1	9/18/02	7.20	240	14.0	5.50
LB-1S	LB-031303-10	3/13/03	6.97	230	12.0	
LB-1S (Dup)	LB-031303-11	3/13/03	6.97	230	12.0	
LB-1S	LB-092203-6	9/22/03	6.50	170	14.0	6.17
LB-1S	LB-022404-2	2/24/04	6.68	173	53.9	
LB-1S	LB-090104-1	9/1/04	6.50	225	13.2	
LB-1S (Dup)	LB-090104-30	9/1/04	6.50	225	13.2	
LB-1S	LB-030905-14	3/9/05	6.59	227	13.0	6.52
LB-1S	LB-091405-1	9/14/05	6.86	190	13.5	5.12
LB-1S	LB-031406-3	3/14/06	6.68	239	12.1	8.03
LB-1S	LB-091306-5	9/13/06	6.58	242	12.7	4.90
LB-1S (Dup)	LB-091306-6	9/13/06	6.58	242	12.7	4.90
LB-1S	LB-030507-1	3/5/07	6.18	187	12.4	8.24
LB-1S	LB-091907-1	9/19/07	6.66	246	12.6	6.36
LB-1S (Dup)	LB-091907-2	9/19/07	6.66	246	12.6	6.36
LB-1S	LB-032408-14	3/24/08	6.60	381	10.1	
LB-1S	LB-091608-1	9/16/08	6.79	267	12.4	
LB-1S	LB-1S	3/17/09	6.75	265	12.0	8.45
LB-1S	LBLF1S091109	9/11/09	7.10	261	13.1	5.86
LB-1S	LB-1S032310	3/23/10	6.89	345	12.1	
LB-1S	LB1S092310	9/23/10	7.20	170	11.7	
LB-1S	LB-1S	3/24/11	6.75	271	12.3	5.66
LB-1S	LB-090811-07	9/8/11	6.61	296	14.2	5.35

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-3D	LB-1189-W01	11/13/89	6.77	240	10.0	
LB-3D	LB-1289-W20	12/18/89	6.71	225	9.5	
LB-3D	LB-032097-14	3/20/97	6.79	271	12.1	
LB-3D	LB-032098-21	3/20/98	6.70	242	12.1	
LB-3D	LB-031899-15	3/18/99	6.75	198	13.5	
LB-3D	LB-031501-17	3/15/01	6.68	220	11.3	
LB-3D	LB-032002-18	3/20/02	6.78	216	11.5	7.82
LB-3D	LB-031303-14	3/13/03	6.43	170	12.0	
LB-3D	LB-022404-5	2/24/04	6.74	129	51.9	
LB-3D	LB-030905-15	3/9/05	6.56	176	11.9	7.20
LB-3D	LB031606-21	3/16/06	6.73	158	11.0	8.84
LB-3D	LB-030507-4	3/5/07	5.94	138	12.0	7.43
LB-3D (Dup)	LB-030507-5	3/5/07	5.94	138	12.0	7.43
LB-3D	LB-032408-17	3/24/08	6.74	292	12.1	
LB-3D	LB-3D	3/18/09	6.68	204	12.9	8.52
LB-3D	LB-3D032410	3/24/10	6.66	233	14.3	
LB-3D	LB-3D	3/28/11	7.37	336	11.8	5.46
LB-3S	LB-1089-W02	10/17/89	7.36	241	11.0	
LB-3S	LB-1189-W02	11/13/89	6.63	224	10.5	
LB-3S	LB-1289-W11	12/15/89	6.14	220	10.0	
LB-3S	LB-390-W11	3/14/90	6.57	216	11.0	
LB-3S	LB-690-W06	6/19/90		208	13.0	
LB-3S	LB-990-W10	9/14/90	6.93	211	11.5	
LB-3S	LB-1290-W08	12/12/90	6.72	209	11.1	
LB-3S	LB-391-W07	3/20/91	6.36	214	11.3	
LB-3S	LB-691-W10	6/26/91	6.04	222	11.9	
LB-3S	LB-991-16	9/24/91	6.38	222	11.1	
LB-3S	LB-1291-06	12/20/91	6.65	239	10.7	
LB-3S	LB-392-10	3/20/92	6.74	227	13.5	
LB-3S	LB-62692-8	6/26/92	7.22	243	13.0	
LB-3S	LB-91792-3	9/17/92	7.90	262	12.0	
LB-3S	LB-121092-14	12/10/92	6.41	274	12.0	
LB-3S	LB-031593-25	3/15/93	6.61	303	11.5	
LB-3S	LB-060393-14	6/3/93	6.87	281	13.5	
LB-3S	LB-092393-01	9/23/93	6.18	266	14.0	1.50
LB-3S	LB-121593-5	12/15/93	9.51	277	10.5	3.00
LB-3S	LB-032594-11	3/25/94	6.83	284	13.0	5.80
LB-3S	LB-062394-13	6/23/94	6.64	290	14.5	5.40
LB-3S	LB-090794-8	9/7/94	6.95	286	14.0	
LB-3S	LB-121494-13	12/14/94	6.62	356	11.5	3.30
LB-3S	LB-031395-20	3/13/95	6.48	348	13.0	6.10
LB-3S	LB-052095-14	6/20/95	6.58	352	13.0	4.80
LB-3S	LB-092195-11	9/21/95	6.77	280	12.2	
LB-3S	LB-121995-4	12/19/95	6.89	170	10.0	

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-3S	LB-032096-21	3/20/96	6.70	312	11.4	
LB-3S	LB-061996-11	6/19/96	6.54	261	13.5	
LB-3S	LB-032097-13	3/20/97	6.73	274	11.6	
LB-3S	LB-032098-20	3/20/98	6.70	242	12.8	
LB-3S	LB-031899-14	3/18/99	6.72	173	13.3	
LB-3S	LB-031501-18	3/15/01	6.67	173	11.2	
LB-3S	LB-032002-17	3/20/02	6.89	182	11.4	7.48
LB-3S	LB-031303-13	3/13/03	6.53	150	11.7	
LB-3S	LB-022404-6	2/24/04	6.62	121	52.2	
LB-3S	LB-030905-16	3/9/05	6.50	164	11.9	6.12
LB-3S	LB-031606-22	3/16/06	6.71	142	11.1	8.30
LB-3S	LB-030507-3	3/5/07	5.93	134	12.0	7.44
LB-3S	LB-032408-18	3/24/08	6.62	302	11.6	
LB-3S	LB-3S	3/18/09	6.61	223	12.2	7.39
LB-3S	LB-3S032410	3/24/10	6.76	239	13.9	
LB-3S	LB-3S	3/28/11	7.29	352	11.6	5.73
LB-4D	LB-289-W02	2/27/89	7.15	177	9.5	
LB-4D	LB-589-W02	5/22/89	7.33	162	12.0	
LB-4D	LB-1289-W06	12/14/89	7.50	147	9.0	
LB-4D	LB-390-W01	3/13/90	7.50	154	12.0	
LB-4D	LB-690-W01	6/19/90		153	12.0	
LB-4D	LB-990-W02	9/13/90	7.50	152	13.0	
LB-4D	LB-1290-W01	12/11/90	7.59	152	10.1	
LB-4D	LB-391-W27	3/21/91	7.07	156	10.0	
LB-4D	LB-691-W02	6/25/91	7.10	172.3	11.4	
LB-4D	LB-991-01	9/24/91	7.40	146	10.5	
LB-4D	LB-1291-02	12/19/91	7.74	157	9.7	
LB-4D	LB-392-02	3/19/92	7.77	150	13.0	
LB-4D	LB-62692-2	6/26/92	7.50	146	12.0	
LB-4D	LB-91792-5	9/17/92	7.72	151	11.0	
LB-4D	LB-12992-3	12/9/92	7.80	165	11.0	
LB-4D	LB-030993-2	3/9/93	7.72	151	12.0	
LB-4D	LB-060493-17	6/4/93	6.03	144	13.0	
LB-4D	LB-092393-03	9/23/93	7.60	159	12.5	7.50
LB-4D	LB-121693-11	12/16/93	7.88	150	11.0	7.60
LB-4D	LB-032594-10	3/25/94	7.72	155	14.0	6.70
LB-4D	LB-062794-18	6/27/94	7.79	169	16.0	6.20
LB-4D	LB-090994-20	9/9/94	6.63	496	14.5	
LB-4D	LB-121494-15	12/14/94	7.88	169	11.0	6.80
LB-4D	LB-031395-22	3/13/95	7.84	158	12.5	
LB-4D	LB-092295-21	9/22/95	7.91	117.4	12.6	
LB-4D	LB-122795-21	12/27/95	7.80	122.3	11.2	
LB-4D	LB-032796-22	3/27/96	7.83	123.1	13.1	
LB-4D	LB-070996-2	7/9/96	7.28	129.8	13.8	

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-4D	LB-091896-15	9/18/96	7.69	125	13.0	
LB-4D	LB-121896-15	12/18/96	7.19	158	10.1	
LB-4D	LB-031797-2	3/17/97	7.59	166	10.8	
LB-4D	LB-061697-2	6/16/97	7.74	119.1	12.6	
LB-4D	LB-091697-9	9/16/97	7.00	100	11.5	
LB-4D	LB-121597-2	12/15/97	7.51	113	10.4	8.20
LB-4D	LB-031898-1	3/18/98	7.24	173	11.3	
LB-4D	LB-061598-2	6/15/98	7.10	122	11.3	
LB-4D	LB-091698-2	9/16/98	6.79	95.6	12.3	
LB-4D	LB-121898-14	12/18/98	7.79	170	10.5	
LB-4D	LB-031999-21	3/19/99	7.36	146	13.7	
LB-4D	LB-062299-2	6/22/99	7.95	126	11.9	
LB-4D	LB-091699-8	9/16/99	7.57	159	11.1	
LB-4D	LB-121499-1	12/14/99	7.69	156	10.8	
LB-4D	LB-091200-7	9/12/00	7.10	147	12.0	
LB-4D	LB-121300-4	12/13/00	7.70	135	10.7	
LB-4D	LB-031301-1	3/13/01	7.51	154	11.0	
LB-4D	LB-031902-4	3/19/02	6.94	160	11.0	7.23
LB-4D (Dup)	LB-031902-5	3/19/02	6.94	160	11.0	7.23
LB-4D	LB-031303-18	3/13/03	7.10	150	11.0	
LB-4D	LB-031005-23	3/10/05	7.23	166	11.6	8.24
LB-4D	LB-031506-11	3/15/06	7.41	151	11.0	6.98
LB-4D	LB-030607-22	3/6/07	6.59	132	12.0	9.96
LB-4D	LB-032408-19	3/24/08	7.61	281	11.9	
LB-4D	LB-4D	3/18/09	7.68	188	11.7	8.19
LB-4D	LB-4D032310	3/23/10	7.79	222	11.5	
LB-4D	LB-4D	3/22/11	8.46	173	11.2	4.70
LB-4S(R)	LB-091294-21	9/12/94	6.81	232	14.0	
LB-4S(R)	LB-121494-14	12/14/94	6.81	158	12.0	11.00
LB-4S(R)	LB-031395-21	3/13/95	7.29	156	13.5	3.10
LB-4S(R)	LB-092295-19	9/22/95	7.62	226	13.5	
LB-4S(R)	LB-122795-20	12/27/95	6.82	87.4	11.1	
LB-4S(R)	LB-032796-23	3/27/96	6.88	80.5	13.4	
LB-4S(R)	LB-070996-20	7/9/96	6.61	219	12.5	
LB-4S(R)	LB-091896-14	9/18/96	6.75	172	13.0	
LB-4S(R)	LB-121896-14	12/18/96	6.80	219	10.8	
LB-4S(R)	LB-031797-1	3/17/97	6.67	222	11.7	1.60
LB-4S(R)	LB-061697-1	6/16/97	6.61	145.6	18.0	4.20
LB-4S(R)	LB-091697-10	9/16/97	6.96	120.1	11.9	
LB-4S(R)	LB-121597-1	12/15/97	6.51	137	11.7	10.20
LB-4S(R)	LB-031898-2	3/18/98	6.60	243	12.3	
LB-4S(R)	LB-061598-1	6/15/98	6.08	213	12.5	
LB-4S(R)	LB-091698-1	9/16/98	6.57	104.8	12.7	
LB-4S(R)	LB-121898-13	12/18/98	6.84	202	12.1	

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-4S(R)	LB-031999-20	3/19/99	6.81	199	14.3	
LB-4S(R)	LB-062299-1	6/22/99	7.71	175	24.0	8.90
LB-4S(R)	LB-091699-7	9/16/99	6.63	220	12.3	
LB-4S(R)	LB-121499-2	12/14/99	6.76	193	11.7	
LB-4S(R)	LB-091200-6	9/12/00	6.85	187	12.6	
LB-4S(R)	LB-121300-3	12/13/00	6.74	168	11.3	
LB-4S(R)	LB-031301-2	3/13/01	6.67	200	12.1	
LB-4S(R)	LB-031902-3	3/19/02	6.97	176	12.0	8.32
LB-4S(R)	LB-031303-17	3/13/03	6.33	187	12.3	
LB-4S(R)	LB-031005-22	3/10/05	6.51	210	13.0	9.18
LB-4S(R)	LB-031506-12	3/15/06	6.53	172	11.9	9.53
LB-4S(R)	LB-030607-21	3/6/07	6.41	212	11.9	11.11
LB-4S(R)	LB-032408-20	3/24/08	6.63	326	13.1	
LB-4S(R)	LB-4S	3/18/09	6.43	232	11.8	10.20
LB-4S(R)	LB-4SR032310	3/23/10	6.57	216	12.4	
LB-4S(R)	LB-4SR	3/22/11	6.82	220	12.1	8.58
LB-5D	LB-289-W13	3/1/89	6.36	635	10.0	
LB-5D	LB-589-W13	5/24/89	6.71	534	13.0	
LB-5D	LB-1289-W24	12/19/89	6.62	559	10.5	
LB-5D	LB-690-W14	6/20/90	6.69	531	13.0	
LB-5D	LB-990-W15	9/18/90	6.43	554	13.0	
LB-5D	LB-1290-W24	12/14/90	6.75	550	10.2	
LB-5D	LB-391-W18	3/21/91	6.50	546	12.0	
LB-5D	LB-691-W17	6/26/91	6.73	513	13.2	
LB-5D	LB-991-06	9/25/91	6.44	547	12.1	
LB-5D	LB-1291-11	12/20/91	6.83	569	10.7	
LB-5D	LB-392-03	3/19/92	6.73	526	13.0	
LB-5D	LB-63092-4	6/30/92	6.77	576	13.5	
LB-5D	LB-91892-2	9/18/92	6.99	566	11.0	
LB-5D	LB-121092-11	12/10/92	6.76	550	13.0	
LB-5D	LB-031193-12	3/11/93	6.71	547	13.0	
LB-5D	LB-060293-8	6/2/93	6.42	515	14.0	
LB-5D	LB-092793-19	9/27/93	6.72	544	14.0	7.00
LB-5D	LB-121593-4	12/15/93	6.73	523	12.5	1.20
LB-5D	LB-032894-13	3/28/94	6.71	610	14.0	2.40
LB-5D	LB-062194-3	6/21/94	6.76	538	15.0	3.00
LB-5D	LB-090694-4	9/6/94	6.83	537	16.0	
LB-5D	LB-121394-8	12/13/94	6.84	577	13.5	2.20
LB-5D	LB-030995-4	3/9/95	6.98	563	14.0	2.90
LB-5D	LB-061995-7	6/19/95	6.87	600	13.0	4.70
LB-5D	LB-092195-9	9/21/95	6.50	582	13.3	
LB-5D	LB-121895-2	12/18/95	6.72	591	12.3	
LB-5D	LB-031996-9	3/19/96	6.65	519	13.0	
LB-5D	LB-061896-8	6/18/96	7.01	511	13.5	

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-5D	LB-031997-9	3/19/97	6.81	509	12.3	
LB-5D	LB-031998-6	3/19/98	6.71	539	14.4	
LB-5D	LB-031899-11	3/18/99	6.76	343	15.2	
LB-5D	LB-031401-11	3/14/01	6.73	409	13.5	
LB-5D	LB-031902-13	3/19/02	6.85	430	12.7	4.29
LB-5D	LB-031303-9	3/13/03	6.53	410	12.0	
LB-5D	LB-022504-7	2/25/04	6.80	307	52.7	
LB-5D (Dup)	LB-022504-8	2/25/04	6.80	307	52.7	
LB-5D	LB-030805-1	3/8/05	6.82	400	15.2	3.91
LB-5D	LB-031606-14	3/16/06	6.75	339	12.3	7.38
LB-5D (Dup)	LB-031606-15	3/16/06	6.75	339	12.3	7.38
LB-5D	LB-030507-7	3/5/07	6.34	275	13.4	4.40
LB-5D	LB-031908-2	3/19/08	6.88	0.566	11.8	
LB-5D(Dup)	LB-031908-3	3/19/08	6.88	0.566	11.8	
LB-5D	LB-5D	3/17/09	6.88	351	13.1	4.22
LB-5D	LB-5D032410	3/24/10	7.00	365	15.0	
LB-5D	LB-5D	3/23/11	7.69	338	12.8	2.43
LB-5S	LB-390-W17	3/15/90	6.41	135	10.0	
LB-5S	LB-690-W13	6/20/90	6.84	161	12.0	
LB-5S	LB-990-W14	9/18/90	6.59	186	11.5	
LB-5S	LB-1290-W25	12/14/90	6.61	187	10.6	
LB-5S	LB-391-W17	3/21/91	6.31	162	11.1	
LB-5S	LB-691-W16	6/26/91	7.16	162.3	12.0	
LB-5S	LB-991-09	9/25/91	6.61	206	10.8	
LB-5S	LB-1291-10	12/20/91	6.86	124	10.8	
LB-5S	LB-392-04	3/19/92	6.66	168	12.0	
LB-5S	LB-63092-3	6/30/92	6.19	206	13.0	
LB-5S	LB-91892-1	9/18/92	6.57	208	11.5	
LB-5S	LB-121092-10	12/10/92	6.70	182	12.5	
LB-5S	LB-031193-11	3/11/93	6.63	179	12.0	
LB-5S	LB-060293-7	6/2/93	6.33	198	13.0	
LB-5S	LB-092793-18	9/27/93	6.72	180	14.5	9.60
LB-5S	LB-121593-3	12/15/93	6.78	161	12.0	11.00
LB-5S	LB-032894-12	3/28/94	6.28	200	13.0	11.00
LB-5S	LB-062194-2	6/21/94	6.59	219	15.0	10.50
LB-5S	LB-090694-3	9/6/94	6.50	178	15.5	
LB-5S	LB-121394-9	12/13/94	6.61	142	13.5	11.00
LB-5S	LB-030995-3	3/9/95	6.94	158	13.5	10.40
LB-5S	LB-051995-6	6/19/95	6.54	275	12.0	7.70
LB-5S	LB-092195-8	9/20/95	6.50	229	12.3	
LB-5S	LB-121895-1	12/18/95	7.49	89	11.7	
LB-5S	LB-031996-7	3/19/96	6.45	217	12.5	
LB-5S	LB-061896-7	6/18/96	6.65	238	12.5	
LB-5S	LB-031997-8	3/19/97	6.93	226	11.3	

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-5S	LB-031998-5	3/19/98	6.39	226	12.1	
LB-5S	LB-031899-10	3/18/99	6.89	180	13.6	
LB-5S	LB-031401-12	3/14/01	6.53	177	11.9	
LB-5S	LB-092001-1	9/20/01	6.38	218	12.7	
LB-5S	LB-031902-12	3/19/02	6.76	185	11.6	8.89
LB-5S	LB-091802-6	9/18/02	6.90	220	14.0	
LB-5S	LB-031303-8	3/13/03	6.67	167	12.0	
LB-5S	LB-092203-1	9/22/03	6.08	190	13.5	7.00
LB-5S	LB-022504-9	2/25/04	6.45	146	54.3	
LB-5S	LB-090104-5	9/1/04	6.36	200	14.5	
LB-5S	LB-030805-2	3/8/05	6.19	200	12.8	9.26
LB-5S	LB-091405-4	9/14/05	6.37	180	13.3	8.16
LB-5S	LB-031606-16	3/16/06	6.60	203	11.4	11.18
LB-5S	LB-091206-1	9/12/06	6.27	264	13.6	7.18
LB-5S	LB-030507-6	3/5/07	5.82	175	12.4	9.72
LB-5S	LB-091907-3	9/19/07	6.27	223	13.0	9.42
LB-5S	LB-031908-1	3/19/08	6.45	0.457	10.7	
LB-5S	LB-091608-2	9/16/08	6.42	204	12.9	
LB-5S (Dup)	LB-091608-8	9/16/08	6.79	267	12.4	
LB-5S	LB-5S	3/17/09	6.55	213	11.9	9.21
LB-5S	LBLF5S091109	9/11/09	6.70	197	13.3	9.74
LB-5S	LB-5S032410	3/24/10	6.54	190	13.4	
LB-5S (Dup)	LB-DUP2032410	3/24/10	6.54	190	13.4	
LB-5S	LB-5S092310	9/23/10	6.70	174	12.4	
LB-5S	LB-5S	3/23/11	6.89	228	11.8	7.82
LB-5S	LB-090811-06	9/8/11	5.92	273	13.3	8.10
LB-6S	LB-289-W17	3/1/89	6.43	801	10.0	
LB-6S	LB-589-W17	5/24/89	6.80	630	13.5	
LB-6S	LB-1289-W13	12/15/89	6.89	835	10.5	
LB-6S	LB-390-W24	3/15/90	6.54	667	13.5	
LB-6S	LB-690-W22	6/21/90	6.99	567	13.0	
LB-6S	LB-990-W11	9/14/90	6.49	741	13.0	
LB-6S	LB-1290-W13	12/12/90	6.83	765	10.4	
LB-6S	LB-391-W16	3/21/91	6.44	522	12.4	
LB-6S	LB-691-W19	6/27/91	6.10	640	13.3	
LB-6S	LB-991-14	9/25/91	6.84	665	12.9	
LB-6S	LB-1291-08	12/20/91	6.69	694	11.9	
LB-6S	LB-392-07	3/20/92	6.69	520	14.0	
LB-6S	LB-62692-5	6/26/92	7.02	649	13.5	
LB-6S	LB-92192-4	9/21/92	6.76	676	12.0	
LB-6S	LB-12992-4	12/9/92	6.77	727	13.0	
LB-6S	LB-031093-7	3/10/93	6.90	614	12.5	
LB-6S	LB-060393-11	6/3/93	6.64	410	14.0	

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-6S	LB-092493-13	9/24/93	6.64	470	14.0	5.20
LB-6S	LB-121593-6	12/15/93	6.68	579	13.0	3.40
LB-6S	LB-032994-18	3/29/94	6.37	390	14.5	7.40
LB-6S	LB-062394-11	6/23/94	6.62	505	13.5	5.90
LB-6S	LB-090694-5	9/6/94	6.69	531	18.0	
LB-6S	LB-121394-6	12/13/94	6.61	524	13.0	3.00
LB-6S	LB-031095-10	3/10/95	6.81	320	12.0	8.90
LB-6S	LB-062095-9	6/20/95	6.50	487	12.0	5.60
LB-6S	LB-092095-6	9/20/95	6.74	495	15.0	
LB-6S	LB-122095-12	12/20/95	6.21	386	12.1	
LB-6S	LB-031996-5	3/19/96	6.29	336	13.5	
LB-6S	LB-061996-12	6/19/96	6.54	367	13.0	
LB-6S	LB-091896-12	9/18/96	6.31	362	12.8	
LB-6S	LB121796-3	12/17/96	7.01	431	12.2	
LB-6S	LB-031997-7	3/19/97	6.89	430	12.5	
LB-6S	LB-061797-6	6/17/97	6.45	456	13.4	
LB-6S	LB-091697-3	9/16/97	6.50	351	12.1	
LB-6S	LB-121797-14	12/17/97	6.43	584	12.5	0.60
LB-6S	LB-031998-7	3/19/98	6.46	633	13.4	
LB-6S	LB-061698-7	6/16/98	6.54	384	13.1	
LB-6S	LB-091798-5	9/17/98	6.54	292	13.5	
LB-6S	LB-121798-01	12/17/98	6.74	398	12.5	
LB-6S	LB-031799-2	3/17/99	6.75	352	14.5	
LB-6S	LB-062399-11	6/23/99	6.77	298	13.7	
LB-6S	LB-091699-5	9/16/99	6.56	554	13.2	
LB-6S	LB-121599-10	12/14/99	6.66	440	12.5	
LB-6S	LB-091200-3	9/12/00	6.42	413	13.2	
LB-6S	LB-121200-1	12/12/00	6.61	467	13.0	
LB-6S	LB-031301-7	3/13/01	6.58	531	13.2	
LB-6S	LB-092001-5	9/20/01	6.69	405	13.6	
LB-6S (Dup)	LB-031301-8	3/13/01	6.58	531	13.2	
LB-6S	LB-032002-15	3/20/02	6.82	468	13.2	4.54
LB-6S	LB-091802-2	9/18/02	7.00	430	14.5	
LB-6S (Dup)	LB-091802-3	9/18/02	7.00	430	14.5	
LB-6S	LB-031303-21	3/13/03	6.70	497	13.0	
LB-6S	LB-092203-5	9/22/03	6.50	310	13.5	5.70
LB-6S	LB-022604-18	2/26/04	6.79	279	54.4	
LB-6S	LB-090104-6	9/1/04	6.69	335	13.3	
LB-6S	LB-030805-9	3/8/05	6.84	432	14.5	3.13
LB-6S	LB-091405-6	9/14/05	6.67	302	13.4	2.34
LB-6S	LB-0301506-13	3/15/06	6.67	287	12.1	8.38
LB-6S	LB-091206-4	9/12/06	6.66	344	13.1	5.80
LB-6S	LB-030507-12	3/5/07	6.20	249	13.0	9.40
LB-6S	LB-091907-6	9/19/07	6.72	349	12.6	3.59

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-6S	LB-031908-9	3/19/08	6.69	418	13.0	
LB-6S	LB-091608-3	9/16/08	6.47	334	14.5	
LB-6S	LB-6S	3/18/09	6.63	304	12.4	4.61
LB-6S	LBLF6S091109	9/11/09	7.16	292	12.4	2.28
LB-6S	LB-6S032310	3/23/10	6.79	322	6.2	
LB-6S	LB6S092310	9/23/10	7.00	192	11.6	
LB-6S (Dup)	LB51S092310	9/23/10	6.70	174	12.4	
LB-6S	LB-6S	3/22/11	7.58	241	12.2	7.52
LB-6S (Dup)	DUP1	3/22/11	7.58	241	12.2	7.52
LB-6S	LB-090711-05	9/7/11	6.76	219	15.0	7.01
LB-6S (Dup)	LB-090711-04	9/7/11	6.76	219	15.0	7.01
LB-10DR	LB-031005-19	3/10/05	7.15	523	13.6	1.61
LB10-DR	LB-031406-5	3/14/06	6.83	389	12.3	2.98
LB10-DR	LB-030607-20	3/6/07	6.39	375	13.3	6.33
LB10-DR	LB-032408-22	3/24/08	6.92	535	12.6	
LB10-DR	LB-10DR	3/17/09	6.86	495	12.4	5.12
LB-10DR	LB-10DR032310	3/23/10	6.95	525	12.2	
LB-10DR	LB-10DR	3/29/11	6.33	491	11.8	2.81
LB-10SR	LB-031005-21	3/10/05	6.86	319	13.4	2.64
LB-10SR	LB-091505-7	9/14/05	6.89	150	13.1	3.40
LB10-SR	LB-031406-6	3/14/06	6.79	160	12.6	9.40
LB10-SR	LB-091306-9	9/13/06	6.57	431	13.4	6.94
LB10-SR	LB-030607-19	3/6/07	5.97	119	13.1	10.60
LB10-SR	LB-091907-7	9/19/07	6.57	435	13.3	4.99
LB10-SR	LB-032408-21	3/24/08	6.40	291	12.3	
LB10-SR	LB-091608-4	9/16/08	6.54	278	14.1	
LB10-SR	LB-10SR	3/17/09	6.84	358	12.1	7.87
LB10-SR	LBLF10S091109	9/11/09	7.11	252	13.4	2.32
LB10-SR	LB-10S032310	3/23/10	6.87	286	12.9	
LB10-SR	LB10R092310	9/23/10	6.60	123	12.3	
LB-10SR	LB-10SR	3/29/11	6.01	360	12.5	2.05
LB-10SR (Dup)	DUP2	3/29/11	6.01	360	12.5	2.05
LB-10SR	LB-090811-08	9/8/11	6.52	410	14.8	0.80
LB-13D	LB-1089-W15	10/19/89	6.90	237	11.0	
LB-13D	LB-1189-W20	11/16/89	6.56	249	11.0	
LB-13D	LB-1289-W18	12/18/89	6.62	229	9.5	
LB-13D	LB-390-W18	3/15/90	6.79	232	12.0	
LB-13D	LB-690-W20	6/21/90	7.27	277	12.0	
LB-13D	LB-990-W17	9/18/90	6.64	236	13.0	
LB-13D	LB-1290-W20	12/13/90	6.64	234	10.7	
LB-13D	LB-391-W15	3/20/91	6.76	232	11.8	
LB-13D	LB-691-W22	6/27/91	6.91	235	13.1	
LB-13D	LB-991-13	9/25/91	7.15	240	12.0	
LB-13D	LB-1291-19	12/23/91	6.97	249	10.7	

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-13D	LB-392-19	3/24/92	6.88	247	13.0	
LB-13D	LB-7292-2	7/2/92	7.40	250	13.0	
LB-13D	LB-91792-2	9/17/92	7.40	246	12.0	
LB-13D	LB-121092-9	12/9/92	6.82	251	12.0	
LB-13D	LB-031293-20	3/12/93	6.92	264	11.0	
LB-13D	LB-060493-21	6/4/93	6.99	231	13.5	
LB-13D	LB-092393-07	9/23/93	6.75	251	13.0	6.10
LB-13D	LB-121693-12	12/16/93	6.78	252	11.0	6.90
LB-13D	LB-032894-17	3/28/94	6.73	290	15.0	8.20
LB-13D	LB-062894-20	6/28/94	6.77	274	14.0	6.80
LB-13D	LB-090794-10	9/7/94	6.94	265	13.0	
LB-13D	LB-121594-21	12/15/94	6.68	304	11.0	6.90
LB-13D	LB-031395-18	3/13/95	6.80	296	12.5	7.10
LB-13D	LB-062195-19	6/21/95	6.73	353	12.0	7.10
LB-13D	LB-092295-16	9/22/95	6.99	256	12.6	
LB-13D	LB-121995-8	12/19/95	7.02	234	10.2	
LB-13D	LB-132096-15	3/20/96	6.58	271	13.2	
LB-13D	LB-061996-16	6/19/96	6.78	258	13.0	
LB-13D	LB-091796-4	9/17/96	6.81	257	13.9	
LB-13D	LB121796-9	12/17/96	7.25	300	11.0	
LB-13D	LB-032097-18	3/20/97	6.96	323	11.8	
LB-13D	LB-061897-15	6/18/97	6.88	291	12.9	
LB-13D	LB-091897-11	9/18/97	6.46	310	12.0	
LB-13D	LB-121797-9	12/17/97	6.60	301	11.8	11.00
LB-13D	LB-032098-19	3/20/98	7.11	296	12.9	
LB-13D	LB-061798-14	6/17/98	6.69	238	13.2	
LB-13D	LB-091898-15	9/18/98	7.42	218	12.9	
LB-13D	LB-121898-12	12/18/98	6.76	270	11.7	
LB-13D	LB-031999-23	3/19/99	6.78	222	14.2	
LB-13D	LB-062399-12	6/23/99	6.81	195	12.7	
LB-13D	LB-091799-13	9/17/99	6.69	256	12.6	
LB-13D	LB-121499-3	12/14/99	6.75	252	12.1	
LB-13D	LB-091300-11	9/13/00	6.95	225	13.0	
LB-13D	LB-121500-12	12/15/00	6.80	198	12.1	
LB-13D	LB-031501-19	3/15/01	6.67	229	12.2	
LB-13D	LB-032002-20	3/20/02	6.87	223	12.3	6.53
LB-13D	LB-031303-16	3/13/03	6.93	197	13.0	
LB-13D	LB-022404-3	2/24/04	6.73	150	54.4	
LB-13D	LB-031005-17	3/10/05	6.62	194	12.3	7.65
LB-13D	LB-031506-9	3/15/06	6.75	175	11.8	8.09
LB-13D	LB-030607-18	3/6/07	6.26	143	12.2	11.33
LB-13D	LB-032008-13	3/20/08	6.76	263	11.7	
LB-13D	LB-13D	3/17/09	6.71	271	11.6	7.86

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-13D	LB-13D032410	3/24/10	6.78	227	12.0	
LB-13D	LB-13D	3/25/11	6.99	216	11.6	6.18
LB-13I	LB-1089-W17	10/18/89	6.91	693	13.0	
LB-13I	LB-1189-W17	11/16/89	6.78	721	11.0	
LB-13I	LB-1289-W16	12/18/89	6.72	692	10.5	
LB-13I	LB-390-W19	3/15/90	6.61	676	12.5	
LB-13I	LB-690-W19	6/21/90	6.82	654	13.0	
LB-13I	LB-990-W16	9/18/90	6.83	706	13.0	
LB-13I	LB-1290-W21	12/13/90	6.82	744	11.5	
LB-13I	LB-391-W14	3/20/91	6.80	742	12.4	
LB-13I	LB-691-W21	6/27/91	6.74	619	13.2	
LB-13I	LB-991-12	9/25/91	7.05	757	11.8	
LB-13I	LB-1291-18	12/23/91	7.02	707	11.2	
LB-13I	LB-392-20	3/24/92	6.60	663	12.0	
LB-13I	LB-7292-1	7/2/92	6.88	679	13.0	
LB-13I	LB-91792-1	9/17/92	6.84	631	13.0	
LB-13I	LB-12992-8	12/9/92	6.92	671	12.0	
LB-13I	LB-031293-19	3/12/93	6.93	689	12.0	
LB-13I	LB-060493-20	6/4/93	6.80	640	15.0	
LB-13I	LB-092393-06	9/23/93	6.88	570	14.0	3.10
LB-13I	LB-121693-14	12/16/93	6.82	537	11.0	0.50
LB-13I	LB-032894-16	3/28/94	6.82	680	15.0	3.00
LB-13I	LB-062894-19	6/28/94	7.00	495	15.0	1.90
LB-13I	LB-090794-9	9/7/94	7.09	503	14.0	
LB-13I	LB-121994-20	12/15/94	6.84	543	12.5	4.40
LB-13I	LB-031395-17	3/13/95	6.93	486	13.5	4.50
LB-13I	LB-052195-18	6/21/95	6.80	509	12.5	3.50
LB-13I	LB-092295-15	9/22/95	6.87	408	14.5	
LB-13I	LB-121995-7	12/19/95	6.78	357	10.9	
LB-13I	LB-032096-14	3/20/96	6.84	504	13.2	
LB-13I	LB-061996-15	6/19/96	6.91	547	14.0	
LB-13I	LB-091796-3	9/17/96	6.63	501	14.0	
LB-13I	LB121796-10	12/17/96	7.24	630	12.2	
LB-13I	LB-032097-19	3/20/97	6.76	706	13.1	
LB-13I	LB-061897-14	6/18/97	6.87	540	13.8	
LB-13I	LB-091897-12	9/18/97	6.88	890	14.0	
LB-13I	LB-121797-8	12/17/97	6.88	624	12.4	
LB-13I	LB-032098-18	3/20/98	6.90	752	14.4	
LB-13I	LB-061798-15	6/17/98	6.88	447	14.7	
LB-13I	LB-091898-14	9/18/98	7.11	294	13.7	
LB-13I	LB-121898-11	12/18/98	6.82	425	12.6	
LB-13I	LB-031999-22	3/19/99	6.93	422	15.0	
LB-13I	LB-062399-13	6/23/99	7.05	348	14.3	

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-13I	LB-091799-12	9/17/99	6.91	648	13.9	
LB-13I	LB-121499-4	12/14/99	7.03	657	13.3	
LB-13I	LB-091300-12	9/13/00	6.97	634	13.7	
LB-13I	LB-121500-11	12/15/00	6.89	496	13.0	
LB-13I	LB-031501-20	3/15/01	6.75	509	13.1	
LB-13I	LB-092001-8	9/20/01	6.71	360	13.4	
LB-13I	LB-032002-19	3/20/02	6.81	325	13.0	4.14
LB-13I	LB-091802-7	9/18/02	7.00	460	14.0	
LB-13I	LB-031303-15	3/13/03	6.80	306	12.0	
LB-13I	LB-092203-7	9/22/03	6.52	330	14.0	4.37
LB-13I	LB-022404-4	2/24/04	6.70	240	54.7	
LB-13I	LB-090104-13	9/1/04	6.60	315	14.0	
LB-13I	LB-031005-18	3/10/05	6.68	286	12.8	2.04
LB-13I	LB-091505-9	9/15/05	6.80	202	12.9	3.65
LB-13I	LB-031506-10	3/15/06	6.75	228	12.0	3.90
LB-13I	LB-091306-8	9/13/06	6.74	263	12.8	3.80
LB-13I	LB-030607-17	3/6/07	6.42	203	12.5	9.15
LB-13I	LB-091907-8	9/19/07	6.70	352	12.5	6.65
LB-13I	LB-032008-12	3/20/08	7.15	329	11.4	
LB-13I	LB-091608/5	9/16/08	6.91	290	14.6	
LB-13I	LB-13I	3/17/09	6.88	285	11.7	5.64
LB-13I	LBLF13i091109	9/11/09	7.70	301	12.8	4.76
LB-13I	LB-13I032410	3/24/10	7.09	297	12.2	
LB-13I	LB-13I092310	9/23/10	7.10	204	11.6	
LB-13I	LB-13I	3/23/11	7.91	276	12.1	2.96
LB-13I	LB-090711-02	9/7/11	6.85	252	13.9	1.38
LB-17D	LB-1089-W10	10/18/89	6.95	830	13.0	
LB-17D	LB-1189-W12	11/15/89	6.82	890	13.0	
LB-17D	LB-1289-W28	12/20/89	6.76	930	13.0	
LB-17D	LB-390-W21	3/15/90	6.83	905	13.5	
LB-17D	LB-690-W18	6/21/90	6.91	882	15.5	
LB-17D	LB-990-W19	9/19/90	6.92	864	14.5	
LB-17D	LB-1290-W23	12/13/90	6.82	867	13.5	
LB-17D	LB-391-W19	3/21/91	6.74	829	14.2	
LB-17D	LB-691-W14	6/26/91	6.85	744	15.4	
LB-17D	LB-991-10	9/25/91	6.95	818	14.3	
LB-17D	LB-1291-16	12/23/91	7.09	1030	13.1	
LB-17D	LB-392-11	3/23/92	6.86	906	16.0	
LB-17D	LB-63092-5	6/30/92	6.72	919	16.5	
LB-17D	LB-031093-6	3/10/93	6.92	715	15.0	
LB-17D	LB-060493-22	6/4/93	6.65	637	15.5	
LB-17D	LB-092793-21	9/27/93	6.92	723	16.0	3.20
LB-17D	LB-121593-7	12/15/93	6.71	768	14.0	1.30
LB-17D	LB-032994-20	3/29/94	7.13	780	17.5	2.00

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-17D	LB-052394-14	6/23/94	7.09	669	16.0	5.20
LB-17D	LB-090794-7	9/7/94	7.06	657	17.0	
LB-17D	LB-121494-10	12/14/94	6.98	657	13.0	
LB-17D	LB-030995-5	3/9/95	7.01	593	14.0	1.00
LB-17D	LB-062095-11	6/20/95	6.90	681	14.5	6.00
LB-17D	LB-092195-10	9/21/95	6.50	732	16.3	
LB-17D	LB-121895-3	12/18/95	7.21	542	12.0	
LB-17D	LB-031996-10	3/19/96	5.84	586	14.1	
LB-17D	LB-061996-14	6/19/96	6.98	587	12.0	
LB-17D	LB-032097-16	3/20/97	7.08	571	15.1	
LB-17D	LB-031998-14	3/19/98	6.97	573	15.5	
LB-17D	LB-031899-13	3/18/99	6.98	352	16.6	
LB-17D	LB-031401-9	3/14/01	6.98	333	15.1	
LB-17D	LB-031902-7	3/19/02	7.17	335	15.0	2.22
LB-17D	LB-031203-7	3/12/03	7.33	337	14.7	3.60
LB-17D	LB-022504-10	2/25/04	6.97	257	57.6	
LB-17D	LB-030905-10	3/9/05	7.06	313	15.4	0.74
LB-17D	LB-031506-7	3/15/06	7.06	301	13.7	3.45
LB-17D	LB-030607-14	3/6/07	6.39	258	15.1	9.31
LB-17D	LB-032008-11	3/20/08	7.07	353	12.9	
LB-17D	LB-17D	3/18/09	7.14	295	14.2	3.53
LB-17D	LB-17D032410	3/24/10	7.00	299	15.2	
LN-17D	LB-17D	3/22/11	7.45	278	13.8	2.42
LB-17I	LB-1089-W14	10/19/89	6.83	1231	14.0	
LB-17I	LB-1189-W14	11/15/89	6.65	1192	14.0	
LB-17I	LB-1289-W29	12/20/89	6.57	1167	13.5	
LB-17I	LB-390-W20	3/15/90	6.59	807	13.0	
LB-17I	LB-690-W17	6/21/90	6.48	1202	16.0	
LB-17I	LB-990-W18	9/19/90	6.47	1200	15.0	
LB-17I	LB-1290-W22	12/13/90	6.62	1125	13.4	
LB-17I	LB-391-W20	3/21/91	6.40	1069	14.2	
LB-17I	LB-392-13	3/23/92	6.71	1036	16.0	
LB-17I	LB-63092-6	6/30/92	6.57	1337	16.0	
LB-17I	LB-91892-3	9/18/92	6.72	1300	14.0	
LB-17I	LB-121192-18	12/11/92	6.85	992	15.0	
LB-17I	LB-031093-5	3/10/93	6.79	930	15.0	
LB-17I	LB-032994-21	3/29/94	6.85	960	18.0	2.80
LB-17I	LB-030995-6	3/9/95	6.93	695	14.0	2.60
LB-17I	LB-031996-11	3/19/96	6.87	782	13.2	
LB-17I	LB-032097-17	3/20/97	6.99	674	15.9	
LB-17I	LB-031998-13	3/19/98	6.87	567	17.2	
LB-17I	LB-031899-12	3/18/99	6.86	410	17.5	
LB-17I	LB-031401-10	3/14/01	6.80	359	16.4	
LB-17I	LB-031902-6	3/19/02	7.03	478	15.9	2.23

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-17I	LB-031203-6	3/12/03	6.93	510	16.0	1.00
LB-17I	LB-022504-11	2/25/04	6.90	362	59.9	
LB-17I	LB-030905-11	3/9/05	7.08	507	15.8	1.68
LB-17I	LB-031506-8	3/15/06	6.80	538	14.5	2.03
LB-17I	LB-030607-13	3/6/07	6.36	458	15.4	12.80
LB-17I	LB-032008-10	3/20/08	7.04	483	13.0	
LB-17I	LB-17I	3/18/09	6.95	343	14.8	3.85
LB-17I	LB-171032410	3/24/10	7.13	476	4.1	
LB-17I (Dup)	LB-DUP1032410	3/24/10	7.13	476	4.1	
LB-17I	LB-17I	3/22/11	7.74	528	14.0	2.35
LB-20S	LB-1289-W36	12/21/89	6.69	817	11.5	
LB-20S	LB-390-W12	3/14/90	6.32	1255	13.0	
LB-20S	LB-690-W08	6/19/90		1312	13.5	
LB-20S	LB-990-W09	9/14/90	6.68	881	14.0	
LB-20S	LB-1290-W10	12/12/90	6.62	1164	13.2	
LB-20S	LB-391-W08	3/20/91	6.62	716	13.1	
LB-20S	LB-691-W11	6/26/91	6.44	869	13.8	
LB-20S	LB-991-19	9/26/91	6.68	942	13.2	
LB-20S	LB-1291-05	12/19/91	6.08	1130	12.7	
LB-20S	LB-392-18	3/24/92	6.62	770	15.0	
LB-20S	LB-031593-26	3/15/93	6.75	686	14.0	
LB-20S	LB-032994-23	3/29/94	6.77	890	17.0	4.90
LB-20S	LB-031395-19	3/13/95	6.86	1020	16.0	8.30
LB-20S	LB-032096-20	3/20/96	6.91	796	15.0	
LB-20S	LB-032097-15	3/20/97	6.94	798	13.7	
LB-20S	LB-032098-23	3/20/98	6.93	542	14.6	
LB-20S	LB-031899-16	3/18/99	6.89	287	15.4	
LB-20S	LB-031401-13	3/14/01	6.65	424	13.6	
LB-20S	LB-032002-14	3/20/02	6.63	481	12.8	2.21
LB-20S	LB-031203-20	3/12/03	6.47	377	13.0	
LB-20S	LB-022604-19	2/26/04	6.87	281	53.7	
LB-20S	LB-030905-12	3/9/05	6.85	517	12.6	12.06
LB-20S	LB-031406-4	3/14/06	6.41	246	12.5	3.94
LB-20S	LB-030607-16	3/6/07	6.17	300	13.0	9.53
LB-20S	LB-032408-16	3/24/08	6.83	504	12.1	
LB-20S	LB-20S	3/18/09	7.02	457	13.3	4.93
LB-20S	LB-20S032410	3/24/10	6.83	405	12.9	
LB-20S	LB-20S	3/24/11	6.81	586	12.1	2.09
LB-26D	LB-0892-2	8/27/92	6.51	364	13.5	
LB-26D	LB-92192-7	9/21/92	6.60	370	13.0	
LB-26D	LB-121092-13	12/10/92	6.72	326	11.5	
LB-26D	LB-031193-14	3/11/93	7.16	302	11.5	
LB-26D	LB-060193-3	6/1/93	6.36	280	13.0	

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-26D	LB-092493-12	9/24/93	6.55	295	13.5	6.60
LB-26D	LB-121693-16	12/16/93	6.76	295	13.0	6.50
LB-26D	LB-032494-7	3/24/94	6.70	307	14.0	6.90
LB-26D	LB-062294-6	6/22/94	6.66	325	15.0	6.50
LB-26D	LB-090894-15	9/8/94	6.70	309	14.0	
LB-26D	LB-121394-5	12/13/94	6.59	343	13.0	5.90
LB-26D	LB-031095-14	3/10/95	6.66	302	13.0	8.00
LB-26D	LB-061995-2	6/19/95	6.72	343	13.0	4.30
LB-26D	LB-092095-4	9/20/95	6.68	324	15.0	
LB-26D	LB-122095-15	12/20/95	6.76	291	10.2	
LB-26D	LB-031996-2	3/19/96	6.06	330	12.5	
LB-26D	LB-061896-2	6/18/96	6.60	335	12.0	
LB-26D	LB-091896-11	9/18/96	6.71	320	12.1	
LB-26D	LB-121796-4	12/17/96	7.09	352	11.5	
LB-26D	LB-031997-6	3/19/97	6.67	366	11.8	
LB-26D	LB-061797-8	6/17/97	6.58	329	12.7	
LB-26D	LB-091697-4	9/16/97	6.84	285	11.7	
LB-26D	LB-121697-6	12/16/97	6.61	350	12.0	5.00
LB-26D	LB-031998-9	3/19/98	6.93	355	13.2	
LB-26D	LB-061698-9	6/16/98	6.62	281	12.9	
LB-26D	LB-091798-6	9/17/98	6.81	230	13.0	
LB-26D	LB-121798-3	12/17/98	6.98	279	11.9	
LB-26D	LB-031899-6	3/18/99	6.60	287	14.5	
LB-26D	LB-062399-9	6/23/99	6.79	214	13.0	
LB-26D	LB-091699-3	9/16/99	6.54	290	12.2	
LB-26D	LB-121599-9	12/15/99	6.90	285	12.0	
LB-26D	LB-091200-4	9/12/00	6.69	252	12.3	
LB-26D	LB-121500-7	12/15/00	6.72	222	11.7	
LB-26D	LB-031301-5	3/13/01	6.72	247	11.9	
LB-26D	LB-031902-8	3/19/02	6.87	226	11.9	5.92
LB-26D	LB-031203-5	3/12/03	7.43	210	12.0	
LB-26D	LB-022504-12	2/25/04	6.56	149	52.4	
LB-26D	LB-030805-7	3/8/05	6.62	199	12.3	7.22
LB-26D	LB-031606-19	3/16/06	6.81	183	11.4	8.60
LB-26D	LB-030507-11	3/5/07	6.38	156	12.1	8.93
LB-26D	LB-031908-8	3/19/08	6.79	319	12.5	
LB-26D	LB-26D	3/17/09	6.83	230	11.5	8.02
LB-26D	LB-26D032410	3/24/10	6.86	237	11.7	
LB-26D	LB-26D	3/23/11	7.60	230	12.3	6.13
LB-26I	LB-0892-1	8/27/92	6.64	571	14.0	
LB-26I	LB-92192-6	9/21/92	6.88	576	13.0	
LB-26I	LB-121092-12	12/10/92	6.89	616	12.0	
LB-26I	LB-031193-13	3/11/93	6.89	626	13.0	
LB-26I	LB-060193-1	6/1/93	6.78	544	13.5	

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-26I	LB-092493-11	9/24/93	6.76	525	14.0	4.20
LB-26I	LB-121693-15	12/16/93	6.96	547	13.0	1.90
LB-26I	LB-032494-6	3/24/94	6.90	508	14.0	2.90
LB-26I	LB-062294-5	6/22/94	6.89	550	16.0	1.90
LB-26I	LB-09894-16	9/8/94	6.96	492	15.0	
LB-26I	LB-121394-4	12/13/94	6.78	536	13.5	4.40
LB-26I	LB-031095-12	3/10/95	6.98	499	13.0	0.80
LB-26I	LB-061995-1	6/19/95	6.81	503	13.5	3.20
LB-26I	LB-092095-5	9/20/95	6.91	437	15.0	
LB-26I	LB-122095-14	12/20/95	7.05	395	10.4	
LB-26I	LB-031996-1	3/19/96	6.25	428	12.0	
LB-26I	LB-061896-1	6/18/96	6.93	412	12.0	
LB-26I	LB-091896-10	9/18/96	6.96	426	12.6	
LB-26I	LB121796-5	12/17/96	7.18	437	12.1	
LB-26I	LB-031997-5	3/19/97	6.75	468	12.2	
LB-26I	LB-061797-7	6/17/97	6.75	415	14.0	
LB-26I	LB-091697-5	9/16/97	6.82	359	12.0	
LB-26I	LB-121697-7	12/16/97	6.86	607	12.9	0.80
LB-26I	LB-031998-8	3/19/98	6.81	590	13.3	
LB-26I	LB-061698-8	6/16/98	6.88	391	13.1	
LB-26I	LB-091798-7	9/17/98	6.67	287	13.4	
LB-26I	LB-121798-2	12/17/98	7.13	369	12.6	
LB-26I	LB-031799-1	3/17/99	7.29	328	14.8	
LB-26I	LB-062399-10	6/23/99	6.96	281	13.6	
LB-26I	LB-091699-4	9/16/99	6.78	541	13.0	
LB-26I	LB-121599-8	12/15/99	7.01	510	12.6	
LB-26I	LB-091200-5	9/12/00	6.93	448	13.1	
LB-26I	LB-121500-8	12/15/00	7.01	385	12.5	
LB-26I	LB-031301-6	3/13/01	6.94	407	12.5	
LB-26I	LB-092001-3	9/20/01	6.87	384	13.6	
LB-26I (Dup)	LB-092001-4	9/20/01	6.87	384	13.6	
LB-26I	LB-031902-9	3/19/02	6.96	353	12.4	4.11
LB-26I	LB-091802-4	9/18/02	7.10	350	13.0	
LB-26I	LB-031203-4	3/12/03	6.68	293	13.0	
LB-26I	LB-092203-4	9/22/03	7.30	250	15.0	5.37
LB-26I	LB-022504-13	2/25/04	6.80	200	53.5	
LB-26I	LB-090104-26	9/1/04	6.77	288	13.5	
LB-26I	LB-030805-8	3/8/05	6.80	306	12.7	3.23
LB-26I	LB-091405-5	9/14/05	6.76	239	13.7	3.69
LB-26I	LB-031606-20	3/16/06	6.90	267	11.7	7.18
LB-26I	LB-091206-3	9/12/06	7.00	297	13.3	3.02
LB-26I	LB-030507-10	3/5/07	6.37	223	12.6	5.78
LB-26I	LB-091907-5	9/19/07	6.94	315	12.3	4.67

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-26I	LB-031908-7	3/19/08	7.00	385	13.2	
LB-26I	LB-091608-6	9/16/08	6.40	220	17.8	
LB-26I	LB-26I	3/17/09	6.92	328	11.6	7.05
LB-26I	LBLF26I091109	9/11/09	7.39	234	12.9	7.06
LB-26I	LB-23I032410	3/24/10	7.07	331	12.0	
LB-26I	LB26I092310	9/23/10	7.10	229	11.6	
LB-26I	LB-26I	3/23/11	7.75	300	12.1	4.41
LB-26I	LB-090711-03	9/7/11	6.77	230	15.1	4.41
LB-27D	LB-0892-4	8/27/92	6.85	289	14.0	
LB-27D	LB-92292-5	9/22/92	7.34	258	13.0	
LB-27D	LB-121192-21	12/11/92	7.12	321	13.0	
LB-27D	LB-031193-16	3/11/93	6.50	311	11.5	
LB-27D	LB-060193-4	6/1/93	7.28	305	13.5	
LB-27D	LB-092493-16	9/24/93	7.24	273	14.0	4.60
LB-27D	LB-121693-17	12/16/93	7.24	315	13.0	5.00
LB-27D	LB-032494-4	3/24/94	7.25	306	13.0	5.10
LB-27D	LB-062294-9	6/22/94	7.19	321	15.5	5.30
LB-27D	LB-090894-12	9/8/94	7.09	319	13.5	
LB-27D	LB-121394-2	12/12/94	7.48	337	11.5	6.60
LB-27D	LB-031095-8	3/10/95	7.18	339	13.5	7.60
LB-27D	LB-051995.4	6/19/95	7.20	343	14.0	5.60
LB-27D	LB-092095-1	9/20/95	7.16	301	16.0	
LB-27D	LB-122095-17	12/20/95	7.05	270	11.2	
LB-27D	LB-031996-3	3/19/96	7.26	295	13.0	
LB-27D	LB-061896-4	6/18/96	7.16	280	14.0	
LB-27D	LB-091796-9	9/17/96	7.02	290	14.2	
LB-27D	LB121796-8	12/17/96	7.61	290	13.1	
LB-27D	LB-031997-12	3/19/97	7.01	302	12.3	
LB-27D	LB-061797-11	6/17/97	7.00	260	15.3	
LB-27D	LB-091697-8	9/16/97	7.24	258	12.5	
LB-27D	LB-121797-13	12/17/97	6.97	300	12.0	4.20
LB-27D	LB-031998-12	3/19/98	6.97	292	13.6	
LB-27D	LB-061798-10	6/17/98	6.92	254	13.0	
LB-27D	LB-091798-8	9/17/98	7.07	224	14.9	
LB-27D	LB-121798-6	12/17/98	7.19	276	12.8	
LB-27D	LB-031899-9	3/18/99	7.04	238	14.5	
LB-27D	LB-062399-7	6/23/99	6.99	199	13.7	
LB-27D	LB-091599-1	9/15/99	6.85	270	12.9	
LB-27D	LB-121599-7	12/15/99	7.13	282	12.6	
LB-27D	LB-091300-8	9/13/00	6.95	268	13.2	
LB-27D	LB-091300-9	9/13/00	6.95	268	13.2	
LB-27D	LB-121500-5	12/15/00	7.03	254	12.5	
LB-27D	LB-031301-3	3/13/01	6.97	288	12.9	
LB-27D	LB-031902-11	3/19/02	6.99	308	12.9	5.02

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-27D	LB-031203-3	3/12/03	6.96	293	13.0	
LB-27D	LB-022604-15	2/26/04	6.88	237	54.7	
LB-27D (Dup)	LB-022604-16	2/26/04	6.88	237	54.7	
LB-27D	LB-030805	3/8/05	6.82	322	13.0	4.20
LB-27D	LB-031606-17	3/16/06	6.90	298	12.4	6.81
LB-27D	LB-030507-9	3/5/07	6.20	270	13.5	9.54
LB-27D	LB-031908-5	3/19/08	7.00	0.489	12.4	
LB-27D	LB-27D	3/18/09	6.98	315	13.3	7.65
LB-27D	LB-27D032410	3/24/10	7.01	331	13.0	
LB-27D	LB-27D	3/25/11	7.43	317	11.3	4.47
LB-27I	LB-0892-3	8/27/92	6.60	811	14.0	
LB-27I	LB-92292-4	9/22/92	7.36	836	14.0	
LB-27I	LB-121192-20	12/11/92	6.62	783	13.5	
LB-27I	LB-031293-21	3/12/93	7.24	756	13.0	
LB-27I	LB-060193-2	6/1/93	6.77	664	14.0	
LB-27I	LB-092493-14	9/24/93	6.97	769	14.0	7.20
LB-27I	LB-121693-14	12/16/93	6.81	707	13.0	2.30
LB-27I	LB-032494-3	3/24/94	6.67	718	15.5	6.00
LB-27I	LB-062294-8	6/22/94	6.73	649	17.0	2.40
LB-27I	LB-090894-11	9/8/94	6.84	568	14.0	
LB-27I	LB-121394-1	12/13/94	8.12	671	12.0	11.00
LB-27I	LB-031095-7	3/10/95	6.77	661	13.5	4.20
LB-27I	LB-061995-3	6/19/95	6.83	673	14.0	3.20
LB-27I	LB-092095-3	9/20/95	6.85	585	14.5	
LB-27I	LB-122095-16	12/20/95	6.89	482	11.6	
LB-27I	LB-031996-4	3/19/96	7.05	640	14.7	
LB-27I	LB-061896-3	6/18/96	6.94	609	14.0	
LB-27I	LB-091796-7	9/17/96	6.99	752	14.3	
LB-27I	LB121796-6	12/17/96	7.31	947	12.9	
LB-27I	LB-031997-10	3/19/97	6.87	771	12.8	
LB-27I	LB-061797-9	6/17/97	6.98	548	14.1	
LB-27I	LB-091697-6	9/16/97	6.93	544	12.6	
LB-27I	LB-121797-11	12/17/97	6.86	750	12.8	0.80
LB-27I	LB-031998-10	3/19/98	6.80	917	15.7	
LB-27I	LB-061798-11	6/17/98	6.85	494	14.1	
LB-27I	LB-091798-9	9/17/98	6.82	327	15.6	
LB-27I	LB-121798-4	12/17/98	6.96	446	13.8	
LB-27I	LB-031899-7	3/18/99	6.83	476	15.5	
LB-27I	LB-062399-8	6/23/99	7.00	396	14.5	
LB-27I	LB-091599-2	9/15/99	6.76	914	14.3	
LB-27I	LB-121599-6	12/15/99	7.02	940	12.8	
LB-27I	LB-091300-10	9/13/00	6.86	741	14.4	
LB-27I	LB-121500-6	12/15/00	6.85	778	13.3	

Table B-1
Leichner Landfill
Groundwater Chemistry, Field Parameters
1987 - 2011

Location	Sample Number	Date	Field pH	Field Conductance (umho/cm)	Temperature (C)	Dissolved Oxygen (mg/L)
LB-27I	LB-031301-4	3/13/01	6.81	665	13.8	
LB-27I	LB-092001-2	9/20/01	6.68	612	14.1	
LB-27I	LB-031902-10	3/19/02	6.82	685	13.5	2.62
LB-27I	LB-091802-5	9/18/02	7.30	590	15.0	
LB-27I	LB-031203-1	3/12/03	6.88	563	14.0	
LB-27I (Dup)	LB-031203-2	3/12/03	6.88	563	14.0	
LB-27I	LB-092203-2	9/22/03	6.10	540	14.5	2.40
LB-27I (Dup)	LB-092203-3	9/22/03	6.10	540	14.5	2.40
LB-27I	LB-022604-17	2/26/04	6.82	382	55.7	
LB-27I	LB-090104-27	9/1/04	6.76	554	14.2	
LB-27I	LB-030805-5	3/8/05	6.85	525	13.7	2.81
LB-27I	LB-091405-3	9/14/05	6.91	353	14.0	2.80
LB-27I	LB-031606-18	3/16/06	6.98	376	12.6	6.90
LB-27I	LB-091206-2	9/12/06	6.78	564	13.8	1.50
LB-27I	LB-030507-8	3/5/07	6.05	445	13.7	3.88
LB-27I	LB-091907-4	9/19/07	6.78	486	13.2	2.30
LB-27I	LB-031908-4	3/19/08	6.91	0.786	12.9	
LB-27I(Dup)	LB-031908-6	3/19/08	6.91	0.786	12.9	
LB-27I	LB-091608-7	9/16/08	7.00	531	14.3	
LB-27I	LB-27I	3/18/09	6.94	557	13.4	4.44
LB-27I	LBLF27i091109	9/11/09	7.01	538	14.5	3.07
LB-27I	LB-27I032410	3/24/10	6.97	419	12.7	
LB-27I	LB27I092310	9/23/10	7.00	401	12.3	
LB-27I	LB-27I	3/25/11	7.39	523	11.6	3.20
LB-27I	LB-090711-01	9/7/11	6.46	707	14.2	1.11
FIELDQC	FB1	3/23/11	N/A	N/A	N/A	N/A
FIELDQC	FB1	9/8/11	N/A	N/A	N/A	N/A

Volatile Organic Compounds

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-1D	LB-01D	6/2/87	2.0 L	2.0 L	5.0 L	4.0 L		2.0 L	2.0 L	5.0 L		2.0 L
LB-1D	LB-01D	7/21/87	2.0 L	2.0 L	5.0 L	4.0 L		2.0 L	2.0 L	5.0 L		2.0 L
LB-1D	LB-01D	9/4/87	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L
LB-1D	LB-01D	11/6/87	0.6	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L
LB-1D	LB-01D	6/22/88	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L
LB-1D	LB-01D	8/30/88	1.0 L	1.0 L	1.0 L	3.0 L	1.0 L	1.0 L	1.0 L	2.0 L	1.0 L	1.0 L
LB-1D	LB-01D	9/1/88	1.0 L	1.0 L	1.0 L	3.0 L	1.0 L	1.0 L	1.0 L	2.0 L	1.0 L	1.0 L
LB-1D	LB-01D	12/5/88	1.0 L	1.0 L	1.0 L	10.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L
LB-1D	LB-289-W04	2/28/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-1D	LB-589-W03	5/23/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-1D	LB-989-W16	9/12/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-1D	LB-1089-W01	10/17/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-1D	LB-1189-W04	11/14/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-1D	LB-1289-W22	12/19/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-1D	LB-390-W09	3/14/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-1D	LB-690-W11	6/20/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-1D	LB-990-W08	9/14/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-1D	LB-1290-W06	12/11/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-1D	LB-391-W11	3/21/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-1D	LB-691-W06	6/26/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-1D	LB-991-06	9/24/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-1D	LB-1291-14	12/23/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-1D	LB-392-14	3/23/92	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-1D	LB-63092-2	6/30/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-1D	LB-92292-3	9/22/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-1D	LB-121192-16	12/11/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-1D	LB-031093-4	3/10/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-1D	LB-060293-6	6/2/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-1D	LB-092393-8	9/23/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-1D	LB-092393-8	9/23/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L		0.3 L	0.2 L	
LB-1D	LB-121593-2	12/15/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-1D	LB-032494-2	3/24/94	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-1D	LB-062194-1	6/21/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L
LB-1D	LB-090694-2	9/6/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L
LB-1D	LB-121494-12	12/14/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-1D	LB-030995-2	3/9/95	0.3 L	0.2	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-1D	LB-062095-13	6/20/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.3 B	0.1 L	0.1 L	0.1 L
LB-1D	LB-092295-14	9/22/95	0.3 L	0.3 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-1D	LB-121995-6	12/19/95	0.2	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.2	0.1 L	0.1 L	0.1 L
LB-1D	LB-032096-18	3/20/96	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.2	0.1 L	0.1 L	0.1 L
LB-1D	LB-061896-10	6/18/96	0.2	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.2	0.1 L	0.2 L	0.1 L
LB-1D	LB-091796-6	9/17/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.2	0.1 L	0.2 L	0.1 L
LB-1D	LB121796-2	12/17/96	0.2	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.2	0.1 L	0.2 L	0.1 L
LB-1D	LB-031997-4	3/19/97	0.1	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1D	LB-061797-4	6/17/97	0.2	0.1	0.5 L	0.5 L	0.5 L	0.5 L	0.3	0.5 L	0.5 L	0.5 L
LB-1D	LB-091697-1	9/16/97	0.2	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.3	0.5 L	0.5 L	0.5 L
LB-1D	LB-121697-4	12/16/97	0.1	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.3	0.5 L	0.5 L	0.5 L
LB-1D	LB-031998-4	3/19/98	0.2	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1D	LB-061698-6	6/16/98	0.1	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.4	0.1 L	0.2 L	0.1 L
LB-1D	LB-091798-3	9/17/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 B	0.2 L	0.5	0.2 L	0.3 L	0.2 L
LB-1D	LB-121898-10	12/18/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.4	0.2 L	0.3 L	0.2 L
LB-1D	LB-031799-4	3/17/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.5	0.2 L	0.3 L	0.2 L
LB-1D	LB-062399-15	6/23/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.6	0.2 L	0.3 L	0.2 L
LB-1D	LB-091799-11	9/17/99	0.2 L	0.3 L	0.2 L	0.3 L	0.3 J		0.5	0.2 L		
LB-1D	LB-121699-12	12/15/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L					
LB-1D	LB-031700-16	3/17/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.6	0.5 L	0.5 L	0.5 L
LB-1D	LB-061300-8	6/13/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.8	0.5 L	0.5 L	0.5 L
LB-1D	LB-091100-2	9/11/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.7	0.5 L	0.5 L	0.5 L
LB-1D	LB-121500-10	12/15/00	0.2 J	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.6	0.5 L	0.5 L	0.5 L
LB-1D	LB-031501-15	3/15/01	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.7	0.5 L	0.5 L	0.5 L
LB-1D	LB-031501-16	3/15/01	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.7	0.5 L	0.5 L	0.5 L
LB-1D	LB-031902-2	3/19/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.7	0.5 L	0.5 L	0.5 L
LB-1D	LB-031303-12	3/13/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.7	0.5 L	0.5 L	0.5 L
LB-1D	LB-022404-1	2/24/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.6	0.5 L	0.5 L	0.5 L
LB-1D	LB030905-13	3/9/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.6	0.5 L	0.5 L	0.5 L
LB-1D	LB-031406-1	3/14/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.6	0.5 L	0.5 L	0.5 L
LB-1D (Dup)	LB-031406-2	3/14/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.6	0.5 L	0.5 L	0.5 L
LB-1D	LB-030507-2	3/5/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1D	LB-032408-15	3/24/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-1D	LB-1D	3/17/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1D	LB-1D032310	3/23/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1D	LB-1D	3/24/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	**0.28**	0.25 L	0.1 L	0.1 L
LB-1S	LB-01S	5/11/87	2.0 L	2.0 L	5.0 L	4.0 L		2.0 L	2.0 L	5.0 L		2.0 L
LB-1S	LB-01S	7/21/87	2.0 L	2.0 L	5.0 L	4.0 L		1.0 L	2.0 L	5.0 L		2.0 L
LB-1S	LB-01S	9/4/87	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L
LB-1S	LB-01S	11/6/87	0.9	1.1	1.0 L	1.0	1.0 L	1.8	1.0 L	1.0 L		1.0 L
LB-1S	LB-01S	2/11/88	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L
LB-1S	LB-01S	6/22/88	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L
LB-1S	LB-01S	8/30/88	1.0 L	1.0 L	1.0 L	3.0 L	1.0 L	1.0 L	1.0 L	2.0 L	5.0	1.0 L
LB-1S	LB-01S	12/5/88	1.0 L	1.0 L	1.0 L	10.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L
LB-1S	LB-289-W05	2/28/89	1.0 L	1.0 L	1.0	1.0 L	1.0 L	1.0	1.0 L	1.0 L	4.5	1.0 L
LB-1S	LB-589-W04	5/23/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	8.3	1.0 L
LB-1S	LB-989-W15	9/12/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	8.0	1.0 L
LB-1S	LB-1289-W12	12/15/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0	1.0 L	1.0 L	8.5	1.0 L
LB-1S	LB-390-W10	3/14/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.1	1.0 L	1.0 L	9.1	1.0 L
LB-1S	LB-690-W10	6/20/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.3	1.0 L	1.0 L	5.5	1.0 L
LB-1S	LB-990-W06	9/14/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.5	1.0 L	1.8	3.1	1.0 L
LB-1S	LB-1290-W05	12/11/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	3.7	1.0 L	1.0 L	2.6	1.0 L
LB-1S	LB-391-W10	3/20/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	2.2	1.0 L	1.0 L	3.7	1.0 L
LB-1S	LB-691-W05	6/26/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	2.4	1.0 L
LB-1S	LB-991-05	9/24/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0	1.0 L
LB-1S	LB-1291-13	12/23/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	2.0	1.0 L
LB-1S	LB-392-15	3/23/92	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-1S	LB-63092-1	6/30/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5	0.5 L	0.3 L	0.8 B	0.2 L
LB-1S	LB-92292-2	9/22/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-1S	LB-121192-15	12/11/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.3	0.5 L	0.3 L	0.3	0.2 L
LB-1S	LB-031093-3	3/10/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	1.8	0.5 L	0.3 L	0.9	0.2 L
LB-1S	LB-060293-5	6/2/93	0.2 L	0.2	0.2 L	0.2 L	0.2 L	0.7	0.5 L	0.3 L	0.6	0.2 L
LB-1S	LB-092393-9	9/23/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.3	0.5 L	0.3 L	0.2	0.2 L
LB-1S	LB-092393-9	9/23/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L			0.3 L		
LB-1S	LB-121593-1	12/15/93	0.2 L	0.2 L	0.3	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-1S	LB-032494-1	3/24/94	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5	0.5 L	0.3 L	0.2	0.2 L
LB-1S	LB-062194-4	6/21/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-1S	LB-090694-1	9/6/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.3	0.3 L	0.3 L	0.3 L	0.3 L
LB-1S	LB-121494-11	12/14/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L
LB-1S	LB-121995-5	2/19/95	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-030995-1	3/9/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 B	0.1 L	0.1 L	0.1 L	0.1 L
LB-1S	LB-062095-12	6/20/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 B	0.1 L	0.1 L	0.1 L	0.1 L
LB-1S	LB-092295-13	9/22/95	0.3 L	0.3 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-1S	LB-121995-5	12/19/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-1S	LB-032096-17	3/20/96	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.2	0.1 L	0.1 L	0.1 L	0.1 L
LB-1S	LB-061896-9	6/18/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-1S	LB-091796-5	9/17/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-1S	LB121796-1	12/17/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-1S	LB-031997-3	3/19/97	0.1	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-061797-3	6/17/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-091697-2	9/16/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-121697-5	12/16/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-031998-3	3/19/98	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.1 B	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-061698-5	6/16/98	0.1 L	0.1 L	0.3 L	0.1 L	0.1	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-1S	LB-091798-4	9/17/98	0.2 L	0.3 L	0.2 L	0.3 L	0.3 B	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-1S	LB-121898-9	12/18/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-1S	LB-031799-3	3/17/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-1S	LB-062399-14	6/23/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-1S	LB-091799-10	9/17/99	0.2 L	0.3 L	0.2 L	0.3 L	0.3 J			0.2 L		0.2 L
LB-1S	LB-091799-9	9/17/99	0.2 L	0.3 L	0.2 L	0.3 L	0.3 J			0.2 L		0.2 L
LB-1S	LB-121699-13	12/15/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L			0.2 L		0.2 L
LB-1S	LB-031700-15	3/17/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-061300-7	6/13/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-091100-1	9/11/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-121500-9	12/15/00	0.5 L	0.5 L	0.5 L	0.5 L	0.1 J	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-031401-14	3/14/01	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-031902-1	3/19/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-091802-1	9/18/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-031303-10	3/13/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-031303-11	3/13/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-092203-6	9/22/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-1S	LB-022404-2	2/24/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-090104-1	9/1/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S (Dup)	LB-090104-30	9/1/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-030905-14	3/9/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-091405-1	9/14/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S (Dup)	LB-091405-2	9/14/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-031406-3	3/14/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-091306-5	9/13/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S (Dup)	LB-091306-6	9/13/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-030507-1	3/5/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-091907-1	9/19/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S (Dup)	LB-091907-2	9/19/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-032408-14	3/24/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-091608-1	9/16/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-1S	3/17/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LBLF1S091109	9/11/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-1S032310	3/23/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB1S092310	9/23/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-1S	3/24/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-1S	LB-090811-07	9/8/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-3D	LB-03D	5/28/87	2.0 L	2.0 L	5.0 L	4.0 L		2.0 L	2.0 L	5.0 L		2.0 L
LB-3D	LB-1189-W01	11/13/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-3D	LB-1289-W20	12/18/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-3D	LB-032097-14	3/20/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D	LB-032098-21	3/20/98	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D	LB-031899-15	3/18/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-3D	LB-031600-9	3/16/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D	LB-031501-17	3/15/01	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D	LB-032002-18	3/20/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D	LB-031303-14	3/13/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D	LB-022404-5	2/24/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D	LB-030905-15	3/9/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D	LB-031606-21	3/16/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D	LB-030507-4	3/5/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D	LB-030507-5	3/5/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-3D	LB-032408-17	3/24/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D	LB-3D	3/18/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D	LB-3D032410	3/24/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D	LB-3D	3/28/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-3S	LB-03S	5/12/87	2.0 L	2.0 L	5.0 L	4.0 L		2.0 L	2.0 L	5.0 L		2.0 L
LB-3S	LB-03S	7/16/87	2.0 L	2.0 L	5.0 L	4.0 L		2.0 L	2.0 L	5.0 L		2.0 L
LB-3S	LB-1089-W02	10/17/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-3S	LB-1189-W02	11/13/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-3S	LB-1289-W11	12/15/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-3S	LB-032594-11	3/25/94	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-3S	LB-032097-13	3/20/97	0.6	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3S	LB-032098-20	3/20/98	0.5	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3S	LB-031899-14	3/18/99	0.4	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-3S	LB-031600-8	3/16/00	0.2 J	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3S	LB-031501-18	3/15/01	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3S	LB-032002-17	3/20/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3S	LB-031303-13	3/13/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3S	LB-022404-6	2/24/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3S	LB030905-16	3/9/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3S	LB-031606-22	3/16/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3S	LB-030507-3	3/5/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3S	LB-032408-18	3/24/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3S	LB-3S	3/18/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3S	LB-3S032410	3/24/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3S	LB-3S	3/28/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-4D	LB-04D	5/29/87	2.0 L	2.0 L	5.0 L	4.0 L		2.0 L	2.0 L	5.0 L		2.0 L
LB-4D	LB-04D	6/22/87	1.0 L	1.0 L	5.0 L	4.0 L		2.0 L	2.0 L	4.0 L		1.0 L
LB-4D	LB-04D	7/17/87	2.0 L	2.0 L	5.0 L	4.0 L		2.0 L	2.0 L	5.0 L		2.0 L
LB-4D	LB-04D	9/8/87	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L
LB-4D	LB-04D	11/9/87	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L
LB-4D	LB-04D	2/9/88	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L
LB-4D	LB-04D	6/21/88	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L
LB-4D	LB-04D	8/29/88	1.0 L	1.0 L	1.0 L	3.0 L	1.0 L	1.0 L	1.0 L	2.0 L	1.0 L	1.0 L
LB-4D	LB-04D	12/5/88	1.0 L	1.0 L	1.0 L	10.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-4D	LB-289-W02	2/27/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-4D	LB-589-W02	5/23/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-4D	LB-989-W27	9/14/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-4D	LB-1289-W06	12/14/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-4D	LB-390-W01	3/13/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-4D	LB-690-W01	6/19/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-4D	LB-990-W02	9/13/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-4D	LB-1290-W01	12/11/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-4D	LB-391-W27	3/21/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-4D	LB-691-W02	6/26/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-4D	LB-991-01	9/24/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-4D	LB-1291-02	12/19/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-4D	LB-392-02	3/19/92	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-4D	LB-62692-2	6/26/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-4D	LB-91792-5	9/17/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-4D	LB-12992-3	12/9/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-4D	LB-030993-2	3/9/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-4D	LB-060493-17	6/4/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-4D	LB-092393-3	9/23/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-4D	LB-121693-11	12/16/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-4D	LB-032594-10	3/25/94	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-4D	LB-062797-18	6/27/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L
LB-4D	LB-090994-20	9/9/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L
LB-4D	LB-121494-15	12/14/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L
LB-4D	LB-031395-22	3/13/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-4D	LB-092295-21	9/22/95	0.3 L	0.3 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-4D	LB-122795-21	12/27/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-4D	LB-032796-22	3/27/96	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-4D	LB-070996-21	7/9/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-4D	LB-091896-15	9/18/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-4D	LB121896-15	12/18/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-4D	LB-031797-2	3/17/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-061697-2	6/16/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-091697-9	9/16/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-121597-2	12/15/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-4D	LB-031898-1	3/18/98	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-061598-2	6/15/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-4D	LB-091698-2	9/16/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 B	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-4D	LB-121898-14	12/18/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-4D	LB-031999-21	3/19/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-4D	LB-062299-2	6/22/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-4D	LB-121699-1	12/14/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L					
LB-4D	LB-031700-20	3/17/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-061400-12	6/14/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-091200-7	9/12/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-121300-4	12/13/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-031301-1	3/13/01	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-031902-4	3/19/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-031902-5	3/19/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-031303-18	3/13/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-031005-23	3/10/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-031506-11	3/15/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-030607-22	3/6/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-032408-19	3/24/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-4D	3/18/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D (Dup)	Dup-2	3/18/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-4D032310	3/23/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4D	LB-4D	3/22/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-4S(R)	LB-091294-21	9/12/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L
LB-4S(R)	LB-121494-14	12/14/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L
LB-4S(R)	LB-031395-21	3/13/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-4S(R)	LB-092295-19	9/22/95	0.3 L	0.3 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-4S(R)	LB-122795-20	12/27/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-4S(R)	LB-032796-23	3/27/96	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-4S(R)	LB-070996-20	7/9/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-4S(R)	LB-091896-14	9/18/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-4S(R)	LB121896-14	12/18/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-4S(R)	LB-031797-1	3/17/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-061697-1	6/16/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-4S(R)	LB-091697-10	9/16/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-121597-1	12/15/97	0.1	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-031898-2	3/18/98	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-061598-1	6/15/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-4S(R)	LB-091698-1	9/16/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 B	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-4S(R)	LB-121898-13	12/18/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-4S(R)	LB-031999-20	3/19/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-4S(R)	LB-062299-1	6/22/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-4S(R)	LB-121699-2	12/14/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L					
LB-4S(R)	LB-031700-19	3/17/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-061400-11	6/14/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-091200-6	9/12/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-121300-3	12/13/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-031301-2	3/13/01	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-031902-3	3/19/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-031303-17	3/13/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-031005-22	3/10/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-031506-12	3/15/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-030607-21	3/6/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-032408-20	3/24/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-4S	3/18/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-4SR032310	3/23/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-4S(R)	LB-4SR	3/22/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-5D	LB-05D	5/27/87	2.0 L	2.0 L	5.0 L	4.0 L		2.0 L	2.0 L	5.0 L		2.0 L
LB-5D	LB-05D	7/20/87	1.0 L	1.0 L	5.0 L	4.0 L		1.0 L	2.0 L	4.0 L		1.0 L
LB-5D	LB-05D	2/11/88	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L
LB-5D	LB-05D	8/30/88	1.0 L	1.0 L	1.0 L	3.0 L	1.0 L	1.0 L	1.0 L	2.0 L	1.0 L	1.0 L
LB-5D	LB-1289-W24	12/19/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-5D	LB-032894-13	3/28/94	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5	0.5 L	0.3 L	0.2 L	0.2 L
LB-5D	LB-031997-9	3/19/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.2	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D	LB-031998-6	3/19/98	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.2	0.5 L	0.2	0.5 L	0.5 L
LB-5D	LB-031899-11	3/18/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-5D	LB-031600-5	3/16/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D	LB-031401-11	3/14/01	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.1 J	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D	LB-031902-13	3/19/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-5D	LB-031303-9	3/13/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D	LB-022504-7	2/25/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D (Dup)	LB-022504-8	2/25/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D	LB-030805-1	3/8/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D	LB-031606-14	3/16/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D (Dup)	LB-031606-15	3/16/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D	LB-030507-7	3/5/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D	LB-031908-2	3/19/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D (Dup)	LB-031908-3	3/19/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D	LB-5D	3/17/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D	LB-5D032410	3/24/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D	LB-5D	3/23/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-5S	LB-05S	5/29/87	2.0 L	2.0 L	5.0 L	4.0 L		2.0 L	2.0 L	5.0 L		2.0 L
LB-5S	LB-05S	7/19/87	1.0 L	1.0 L	5.0 L	4.0 L		2.0 L	2.0 L	4.0 L		1.0 L
LB-5S	LB-05S	9/10/87	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L
LB-5S	LB-05S	11/11/87	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L
LB-5S	LB-05S	2/10/88	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L		1.0 L
LB-5S	LB-032894-12	3/28/94	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-5S	LB-031997-8	3/19/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-031998-5	3/19/98	2.4	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-031899-10	3/18/99	2.6	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-5S	LB-031600-4	3/16/00	1.1	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-031401-12	3/14/01	0.4 J	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-031902-12	3/19/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-091802-6	9/18/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-031303-8	3/13/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-092203-1	9/22/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-022504-9	2/25/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-090104-5	9/1/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB030805-2	3/8/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S (Dup)	LB030805-3	3/8/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-091405-4	9/14/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-031606-16	3/16/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-091206-1	9/12/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-5S	LB-030507-6	3/5/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-091907-3	9/19/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-031908-1	3/19/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-091608-2	9/16/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S (Dup)	LB-091608-8	9/16/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-5S	3/17/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LBLF5S091109	9/11/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-5S032410	3/24/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S (Dup)	LB-DUP2032410	3/24/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB5S092310	9/23/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S (Dup)	LB51S092310	9/23/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-5S	3/23/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-5S	LB-090811-06	9/8/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-6S	LB-06S	7/17/87	1.0 L	1.0 L	5.0 L	4.0 L		3.0	2.0	4.0 L		1.0 L
LB-6S	LB-06S	9/10/87	1.0 L	1.1	1.0 L	1.0 L	1.0 L	1.0 L	8.0	1.0 L		1.0 L
LB-6S	LB-06S	11/11/87	1.0 L	2.6	3.8	2.3	1.0 L	4.2	7.1	1.0 L		1.0 L
LB-6S	LB-06S	2/11/88	1.0 L	1.5	1.2	1.0 L	1.0 L	1.4	1.0 L	1.0 L		1.0 L
LB-6S	LB-06S	6/22/88	1.0 L	4.0	3.4	4.2	1.0 L	6.0	1.0 L	1.0 L		1.0 L
LB-6S	LB-06S	8/31/88	1.0 L	1.0	1.0 L	4.0	1.0 L	3.0	1.0 L	2.0 L	40.0	1.0 L
LB-6S	LB-06S	12/6/88	1.0 L	1.0 L	1.0 L	10.0 L	1.0 L	6.0	1.0 L	2.0		1.0 L
LB-6S	LB-289-W17	3/1/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	6.9	1.0 L	2.6	24.1	1.0 L
LB-6S	LB-589-W17	5/24/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	5.2	1.0	1.0 L	21.0	1.0 L
LB-6S	LB-989-W07	9/7/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	5.6	1.0 L	1.5	20.0	1.0 L
LB-6S	LB-1289-W13	12/15/89	1.0	2.0	1.0 L	5.1	1.0 L	13.0	1.0 L	1.7	51.0	1.0 L
LB-6S	LB-390-W24	3/15/90	1.0 L	1.5	1.0 L	2.6	1.0 L	11.0	1.0 L	1.0 L	37.0	1.0 L
LB-6S	LB-690-W22	6/21/90	1.0 L	1.0 L	1.0 L	2.7	1.0 L	9.7	1.0 L	1.0 L	31.0	1.0 L
LB-6S	LB-990-W11	9/14/90	1.1	1.7	1.0 L	6.0	1.0 L	12.0	1.0 L	6.2	37.0	1.0 L
LB-6S	LB-1290-W13	12/12/90	1.0 L	1.0 L	1.0 L	4.1	1.0 L	10.0	1.0 L	4.5	34.0	1.0 L
LB-6S	LB-391-W16	3/21/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	4.3	1.0 L	1.0 L	14.0	1.0 L
LB-6S	LB-691-W19	6/26/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	3.7	1.0 L	1.0 L	13.0	1.0 L
LB-6S	LB-691-W20	6/26/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	4.1	1.0 L	1.0 L	15.0	1.0 L
LB-6S	LB-991-14	9/25/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	5.0	1.0 L	1.0 L	18.0	1.0 L
LB-6S	LB-991-15	9/25/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	4.0	1.0 L	1.0	15.0	1.0 L
LB-6S	LB-1291-08	12/20/91	1.0 L	1.0 L	5.0	1.0 L	1.0 L	5.0	1.0 L	1.0 L	29.0	1.0 L
LB-6S	LB-1291-09	12/20/91	1.0 L	1.0 L	4.0	1.0 L	1.0 L	4.0	1.0 L	1.0 L	28.0	1.0 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-6S	LB-392-07	3/20/92	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	2.0	1.0 L	1.0 L	4.0	1.0 L
LB-6S	LB-392-08	3/20/92	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	2.0	1.0 L	1.0 L	4.0	1.0 L
LB-6S	LB-62692-5	6/26/92	0.4		0.2 L	0.3	0.2 L		0.5 L			0.2 L
LB-6S	LB-62692-5	6/26/92		0.4 B	0.2 L		0.2 L	2.6		0.9	6.1 B	
LB-6S	LB-62692-6	6/26/92			0.2 L	0.2 L	0.2 L		0.5 L	0.8	5.2 B	0.2 L
LB-6S	LB-62692-6	6/26/92	0.4	0.4 B	0.2 L	0.2 L	0.2 L	2.6				
LB-6S	LB-92192-4	9/21/92	0.5	0.4	0.2 L	0.2 L	0.2 L		0.5 L	2.1	5.9	0.2 L
LB-6S	LB-92192-4	9/21/92			0.2 L	0.2 L	0.2 L	3.0				
LB-6S	LB-92192-5	9/21/92			0.2 L	0.2 L	0.2 L		0.5 L			0.2 L
LB-6S	LB-92192-5	9/21/92	0.5	0.4	0.2 L	0.2 L	0.2 L	3.0		1.9	5.6	
LB-6S	LB-12992-4	12/9/92	0.6 B		0.2 L	0.2 L	0.2		7.8 B	0.3 L		0.2 L
LB-6S	LB-12992-4	12/9/92		0.2	0.2 L	0.2 L		3.6		0.3 L	5.8	
LB-6S	LB-12992-5	12/9/92		0.2 L	0.2 L	0.2 L		3.9	3.1 B	0.3 L	6.6	0.2
LB-6S	LB-12992-5	12/9/92	0.4 B	0.2 L	0.2 L	0.2 L	0.2			0.3 L		
LB-6S	LB-031093-7	3/10/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L		0.5 L	0.9	2.3	0.2 L
LB-6S	LB-031093-7	3/10/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	2.6				
LB-6S	LB-031093-8	3/10/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L		0.5 L	0.3 L	2.1	0.2 L
LB-6S	LB-031093-8	3/10/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	2.4		0.3 L		
LB-6S	LB-060393-11	6/3/93	0.4		0.2 L	0.2 L	0.2 L	1.3	0.5 L		1.2	0.2 L
LB-6S	LB-060393-11	6/3/93		0.3	0.2 L	0.2 L	0.2 L			0.6		
LB-6S	LB-060393-12	6/3/93	0.4		0.2 L	0.2 L	0.2 L		0.5 L			0.2 L
LB-6S	LB-060393-12	6/3/93		0.3	0.2 L	0.2 L	0.2 L	1.1		0.4	1.0	
LB-6S	LB-092493-13	9/24/93	0.2 L	0.2 L	0.2 L	0.2	0.2 L	1.8	0.5 L	2.9	1.4	0.2 L
LB-6S	LB-092493-13	9/24/93	0.2 L	0.2 L	0.2 L		0.2 L					
LB-6S	LB-121593-6	12/15/93	0.2 L	0.2 L	1.6	0.2 L	0.2 L	1.6	0.5 L	1.3	1.8	0.2 L
LB-6S	LB-032994-18	3/29/94	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.9	0.5 L	0.6	0.5	0.2 L
LB-6S	LB-032994-19	3/29/94	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.9	0.5 L	0.5	0.5	0.2 L
LB-6S	LB-062394-11	6/23/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.5	0.3 L	0.3 L	0.3 L	0.3 L
LB-6S	LB-062394-12	6/23/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.6	0.3 L	0.3 L	0.3 L	0.3 L
LB-6S	LB-090694-5	9/6/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.8	0.3 L	0.8	0.4	0.3 L
LB-6S	LB-090694-6	9/6/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.8	0.3 L	0.8	0.4	0.3 L
LB-6S	LB-121394-6	12/13/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.4	0.3 L	0.3 L	0.3 L	0.3 L
LB-6S	LB-121394-7	12/13/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.4	0.3 L	0.3 L	0.3 L	0.3 L
LB-6S	LB-031095-10	3/10/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.2 B	0.1 L	0.1 L	0.2	0.1 L
LB-6S	LB-031095-11	3/10/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1	0.2 B	0.1 L	0.1 L	0.2	0.1 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-6S	LB-062095-10	6/20/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.3 B	0.1 L	0.1 L	0.2	0.1 L
LB-6S	LB-062095-9	6/20/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.3 B	0.1 L	0.1 L	0.2	0.1 L
LB-6S	LB-092095-6	9/20/95	0.3 L	0.3 L	0.1 L	0.1 L	0.1 L	0.3	0.1 L	0.1	0.2	0.1 L
LB-6S	LB-092095-7	9/20/95	0.3 L	0.3 L	0.1 L	0.1 L	0.1 L	0.3	0.1 L	0.1	0.2	0.1 L
LB-6S	LB-122095-12	12/20/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.2	0.1 L	0.1 L	0.1 L	0.1 L
LB-6S	LB-122095-13	12/20/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1	0.1 L
LB-6S	LB-031996-5	3/19/96	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.2	0.1 L	0.1 L	0.1	0.1 L
LB-6S	LB-031996-6	3/19/96	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.2	0.1 L	0.1 L	0.1 L	0.1 L
LB-6S	LB-061996-12	6/19/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.3	0.1 L	0.1 L	0.2	0.1 L
LB-6S	LB-061996-13	6/19/96	0.1	0.1 L	0.3 L	0.1 L	0.0 L	0.3	0.1 L	0.1 L	0.3	0.1 L
LB-6S	LB-091896-12	9/18/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.4	0.1 L	0.1 L	0.3	0.1 L
LB-6S	LB121796-3	12/17/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.4	0.1 L	0.1	0.2	0.1 L
LB-6S	LB-031997-7	3/19/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-061797-6	6/17/97	0.2	0.1	0.5 L	0.5 L	0.0	0.5	0.5 L	0.5 L	0.9	0.5 L
LB-6S	LB-091697-3	9/16/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.3	0.5 L	0.5 L	0.6	0.5 L
LB-6S	LB-121797-14	12/17/97	0.4	0.2	0.5 L	0.5 L	0.5 L	1.0	0.5 L	0.5 L	1.7	0.5 L
LB-6S	LB-031998-7	3/19/98	0.3	0.2	0.5 L	0.5 L	0.1	0.5	0.5 L	0.2	0.5 L	0.5 L
LB-6S	LB-061698-7	6/16/98	0.1	0.1	0.3 L	0.1 L	0.1	0.2	0.1 L	0.1 L	0.3	0.1 L
LB-6S	LB-091798-5	9/17/98	0.2	0.3 L	0.2 L	0.3 L	0.2 B	0.5	0.3 L	0.2 L	0.6	0.2 L
LB-6S	LB-121798-1	12/17/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2	0.3 L	0.2 L	0.3 L	0.2 L
LB-6S	LB-031799-2	3/17/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.4	0.3 L	0.2 L	0.4	0.2 L
LB-6S	LB-062399-11	6/23/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-6S	LB-121599-10	12/15/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L					
LB-6S	LB-031700-10	3/17/00	0.2 J	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-031700-11	3/17/00	0.2 J	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-061300-6	6/13/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.1 J	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-091200-3	9/12/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-121200-1	12/12/00	0.2 J	0.5 L	0.5 L	0.5 L	0.5 L	0.1 J	0.5 L	0.5 L	0.3 J	0.5 L
LB-6S	LB-121200-2	12/12/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.1 J	0.5 L	0.5 L	0.2 J	0.5 L
LB-6S	LB-031301-7	3/13/01	0.2 J	0.5 L	0.5 L	0.5 L	0.5 L	0.1 J	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-031301-8	3/13/01	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.1 J	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-032002-15	3/20/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-032002-16	3/20/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-091802-2	9/18/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-091802-3	9/18/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-6S	LB-031303-21	3/13/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-092203-5	9/22/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-022604-18	2/26/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-090104-6	9/1/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-030805-9	3/8/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-091405-6	9/14/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-031506-13	3/15/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-091206-4	9/12/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-030507-12	3/5/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-091907-6	9/19/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-031908-9	3/19/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-091608-3	9/16/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-6S	3/18/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LBLF6S091109	9/11/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S (Dup)	LBLFDUP1091109	9/11/2009	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-6S032310	3/23/2010	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB6S092310	9/23/2010	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-6S	3/22/2011	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-6S (Dup)	DUP1	3/22/2011	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-6S	LB-090711-05	9/7/2011	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-6S (Dup)	LB-090711-04	9/7/2011	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB10-DR	LB-031005-19	3/10/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB10-DR (Dup)	LB-031005-20	3/10/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB10-DR	LB-031406-5	3/14/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB10-DR	LB-030607-20	3/6/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB10-DR	LB-032408-22	3/24/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB10-DR	LB-10D	3/17/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB10-DR	LB-10D032310	3/23/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10DR	LB-10DR	3/29/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	**0.18**	0.1 L	0.25 L	0.1 L	0.1 L
LB-10SR	LB-031005-21	3/10/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-091505-7	9/15/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-031406-6	3/14/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-091306-9	9/13/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-10SR	LB-030607-19	3/6/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-091907-7	9/19/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-032408-21	3/24/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR (resample)	MW10SR-043008	4/30/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-091608-4	9/16/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-10S	3/17/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR (Dup)	Dup-1	3/17/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LBLF10S091109	9/11/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-10SR032310	3/23/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB10S092310	9/23/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-10SR	3/29/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-10SR (Dup)	DUP2	3/29/11	0.1 L	**0.15**	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-10SR	LB-090811-08	9/8/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-13D	LB-989-W20	9/13/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-13D	LB-1089-W15	10/19/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-13D	LB-1189-W20	11/16/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-13D	LB-1289-W18	12/18/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-13D	LB-390-W18	3/15/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-13D	LB-690-W20	6/21/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-13D	LB-990-W17	9/18/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0	1.0 L	1.0 L	1.0 L
LB-13D	LB-1290-W20	12/13/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-13D	LB-391-W15	3/20/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-13D	LB-691-W22	6/26/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-13D	LB-991-13	9/25/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-13D	LB-1291-19	12/23/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-13D	LB-392-19	3/24/92	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-13D	LB-7292-2	7/2/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-13D	LB-91792-2	9/17/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-13D	LB-121092-9	12/10/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-13D	LB-031293-20	3/12/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-13D	LB-060493-21	6/4/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-13D	LB-092393-7	9/23/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-13D	LB-092393-7	9/23/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L		0.3 L	0.2 L	
LB-13D	LB-121693-12	12/16/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-13D	LB-032894-17	3/28/94	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-13D	LB-062394-20	6/28/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L
LB-13D	LB-090794-10	9/7/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L
LB-13D	LB-121594-21	12/15/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L
LB-13D	LB-031395-18	3/13/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-13D	LB-062195-19	6/21/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-13D	LB-092295-16	9/22/95	0.3 L	0.3 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-13D	LB-121995-8	12/19/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-13D	LB-032096-15	3/20/96	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-13D	LB-032096-16	3/20/96	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-13D	LB-061996-16	6/19/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-13D	LB-091796-4	9/17/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-13D	LB121796-9	12/17/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-13D	LB-032097-18	3/20/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-061897-15	6/18/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-091897-11	9/18/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-121797-9	12/17/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.8 L	0.5 L	0.5 L
LB-13D	LB-032098-19	3/20/98	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-061798-14	6/17/98	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-13D	LB-091898-15	9/18/98	0.2 L	0.3 L	0.2 L	0.3 L	0.3 B	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-13D	LB-121898-12	12/18/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-13D	LB-031999-23	3/19/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-13D	LB-062399-12	6/23/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-13D	LB-091799-13	9/17/99	0.2 L	0.3 L	0.2 L	0.3 L	0.3 J					
LB-13D	LB-121699-3	12/14/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L					
LB-13D	LB-031700-18	3/17/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-061400-10	6/14/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-091300-11	9/13/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-121500-12	12/15/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-031501-19	3/15/01	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-032002-20	3/20/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-031303-16	3/13/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-022404-3	2/24/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-031005-17	3/10/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-031506-9	3/15/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-13D	LB-030607-18	3/6/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-032008-13	3/20/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-13D	3/17/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-13D032410	3/24/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-13D	3/25/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-13I	LB-989-W22	9/13/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	6.5	1.0 L	1.8	13.0	1.0 L
LB-13I	LB-989-W23	9/13/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	5.6	1.0 L	1.3	11.0	1.0 L
LB-13I	LB-1089-W17	10/19/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	6.0	1.0 L	2.3	10.0	1.0 L
LB-13I	LB-1189-W17	11/16/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	4.9	1.0 L	2.3	1.0 L	1.0 L
LB-13I	LB-1289-W16	12/18/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	5.7	1.0 L	1.9	10.0	1.0 L
LB-13I	LB-390-W19	3/15/90	1.0 L	1.0 L	2.0	1.0 L	1.0 L	2.0	1.0 L	3.7	2.2	1.0 L
LB-13I	LB-690-W19	6/21/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	3.6	1.0 L	1.4	8.1	1.0 L
LB-13I	LB-990-W16	9/18/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	5.1	1.0 L	2.4	8.3	1.0 L
LB-13I	LB-1290-W21	12/13/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	4.6	1.0 L	2.9	7.9	1.0 L
LB-13I	LB-391-W14	3/20/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	3.1	1.0 L	1.0 L	7.1	1.0 L
LB-13I	LB-691-W21	6/26/91	1.0 L	2.1	1.0 L	1.0 L	1.0 L	2.4	1.0 L	1.2	4.1	1.0 L
LB-13I	LB-991-12	9/25/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	3.0	1.0 L	1.0	9.0	1.0 L
LB-13I	LB-1291-18	12/23/91	1.0 L	1.0 L	1.0	1.0 L	1.0 L	1.0	1.0 L	1.0 L	9.0	1.0 L
LB-13I	LB-392-20	3/24/92	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0	1.0 L
LB-13I	LB-7292-1	7/2/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.4	0.5 L	1.4	0.2 L	0.2 L
LB-13I	LB-91792-1	9/17/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	1.6	0.5 L	6.6	2.5	0.2 L
LB-13I	LB-121092-8	12/10/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	1.6	0.5 L	0.3 L	1.9	0.2 L
LB-13I	LB-031293-19	3/12/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	1.3	0.5 L	1.2	1.7	0.2 L
LB-13I	LB-060493-20	6/4/93	0.2 L	0.2	0.2 L	0.2 L	0.2 L	0.8	0.5 L	0.5	0.9	0.2 L
LB-13I	LB-092393-6	9/23/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.8	0.5 L	1.6	0.6	0.2 L
LB-13I	LB-092393-6	9/23/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L					
LB-13I	LB-121693-14	12/16/93	0.2 L	0.2 L	0.4	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-13I	LB-032894-16	3/28/94	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.9	0.5 L	0.3 L	0.5	0.2 L
LB-13I	LB-0624894-19	6/28/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.6	0.3 L	0.3 L
LB-13I	LB-090794-9	9/7/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2	0.3 L	0.6	0.3 L	0.3 L
LB-13I	LB-121594-20	12/15/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.3	0.3 L	0.3 L	0.3 L	0.3 L
LB-13I	LB-031395-17	3/13/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.2 B	0.1 L	0.2	0.1 L	0.1 L
LB-13I	LB-062195-18	6/21/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.2 B	0.1 L	0.1 L	0.1	0.1 L
LB-13I	LB-092295-15	9/22/95	0.3 L	0.3 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.2	0.1 L	0.1 L
LB-13I	LB-121995-7	12/19/95	0.3 L	0.1	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-13I	LB-032096-14	3/20/96	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.4	0.1 L	0.1 L	0.2 B	0.1 L
LB-13I	LB-061996-15	6/19/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0	0.6	0.1 L	1.1	0.2	0.1 L
LB-13I	LB-091796-3	9/17/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.2	0.1 L	0.8	0.2 L	0.1 L
LB-13I	LB121796-10	12/17/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0	0.1 L	0.1 L	1.1	0.2 L	0.1 L
LB-13I	LB-032097-19	3/20/97	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.5 L	0.5 L	0.5	0.5 L	0.5 L
LB-13I	LB-061897-14	6/18/97	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.1	0.5 L	0.9	0.5 L	0.5 L
LB-13I	LB-091897-12	9/18/97	0.5 L	0.5 L	0.5 L	0.5 L	0.2	0.2	0.5 L	0.9	0.5 L	0.5 L
LB-13I	LB-121797-8	12/17/97	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.1	0.5 L	0.8	0.5 L	0.5 L
LB-13I	LB-032098-18	3/20/98	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.7	0.5 L	0.5 L
LB-13I	LB-061798-15	6/17/98	0.1 L	0.1 L	0.3 L	0.1 L	0.1	0.1 L	0.1 L	0.6	0.2 L	0.1 L
LB-13I	LB-091898-14	9/18/98	0.2 L	0.3 L	0.2 L	0.3 L	0.3 B	0.2 L	0.3 L	0.7	0.3 L	0.2 L
LB-13I	LB-121898-11	12/18/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.3	0.3 L	0.2 L	0.3 L	0.2 L
LB-13I	LB-031999-22	3/19/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.4	0.3 L	0.2 L
LB-13I	LB-062399-13	6/23/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-13I	LB-091799-12	9/17/99	0.2 L	0.3 L	0.2 L	0.3 L	0.3 J			0.4 J		
LB-13I	LB-121699-4	12/14/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L					
LB-13I	LB-031700-17	3/17/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-061400-9	6/14/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-091300-12	9/13/00	0.3 J	0.5 L	0.5 L	0.5 L	0.5 L	0.1 J	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-121500-11	12/15/00	0.3 J	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-031501-20	3/15/01	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-032002-19	3/20/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-091802-7	9/18/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-031303-15	3/13/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-092203-7	9/22/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-022404-4	2/24/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-090104-13	9/1/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-031005-18	3/10/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-091505-9	9/15/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-031506-10	3/15/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-091306-8	9/13/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-030607-17	3/6/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-091907-8	9/19/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-032008-12	3/20/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-091608-5	9/16/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-13I	LB-13I	3/17/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LBLF13i091109	9/11/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-13I032410	3/24/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-13I092310	9/23/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-13I	3/23/11	0.1 L	0.1 L	0.1 L	0.2 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-13I	LB-090711-02	9/7/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-17D	LB-989-W08	9/7/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-1089-W10	10/18/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-1089-W11	10/18/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-1189-W12	11/15/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-1189-W13	11/15/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-1289-W28	12/20/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-390-W21	3/15/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-390-W22	3/15/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-690-W18	6/21/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-990-W19	9/19/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-990-W20	9/19/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-1290-W23	12/13/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-391-W19	3/21/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-391-W21	3/21/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-691-W14	6/11/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-691-W15	6/11/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-991-10	9/25/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-991-11	9/25/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-1291-16	12/23/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-1291-17	12/23/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-392-11	3/23/92	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-392-12	3/23/92	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17D	LB-63092-5	6/30/92	0.2 L	0.2 L	0.2 L	0.2 L	0.5	0.2 L	0.5 L	0.9	0.2 L	0.2 L
LB-17D	LB-031093-6	3/10/93	0.2 L	0.2 L	0.2 L	0.2 L	0.3	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-17D	LB-060493-22	6/4/93	0.2 L	0.2 L	0.2 L	0.2 L	0.3	0.2 L	0.5 L	0.4	0.2 L	0.2 L
LB-17D	LB-092793-21	9/27/93	0.2 L	0.2 L	0.2 L	0.2 L	0.3	0.2 L	0.5 L	2.3	0.2 L	0.2 L
LB-17D	LB-092793-21	9/27/93	0.2 L	0.2 L	0.2 L	0.2 L		0.2 L			0.2 L	
LB-17D	LB-121593-7	12/15/93	0.2 L	0.2 L	0.2 L	0.2 L	0.3	0.2 L	0.5 L	0.7	0.2 L	0.2 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-17D	LB-032994-20	3/29/94	0.2 L	0.2 L	0.2 L	0.2 L	0.3	0.5 L	0.5 L	0.8	0.2 L	0.2 L
LB-17D	LB-062394-14	6/23/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L
LB-17D	LB-090794-7	9/7/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.7	0.3 L	0.3 L
LB-17D	LB-121494-10	12/14/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.4	0.3 L	0.3 L
LB-17D	LB-030995-5	3/9/95	0.3 L	0.4	0.1 L	0.1 L	0.2	0.1 L	0.1 L	0.4	0.2	0.1 L
LB-17D	LB-062095-11	6/20/95	0.3 L	0.2 L	0.1 L	0.1 L	0.3	0.1 L	0.1 L	0.3	0.1 L	0.1 L
LB-17D	LB-092095-10	9/20/95	0.3 L	0.3 L	0.1 L	0.1 L	0.4	0.1 L	0.1 L	0.1 L	0.1	0.1 L
LB-17D	LB-121895-3	12/18/95	0.5 L	0.5 L	0.5 L	0.5 L	0.3	0.5 L	0.5 L	0.4	0.5 L	0.5 L
LB-17D	LB-121895-3	12/18/95	0.3 L	0.2 L	0.1 L	0.1 L		0.1 L	0.1 L		0.1 L	0.1 L
LB-17D	LB-031996-11	3/19/96	0.3 L	0.2 L	0.1 L	0.1 L	0.3 B	0.1 L	0.1 L	0.4	0.1 L	0.1 L
LB-17D	LB-061996-14	6/19/96	0.1 L	0.1 L	0.3 L	0.1 L	0.3	0.1 L	0.1 L	0.6	0.2 L	0.1
LB-17D	LB-032097-16	3/20/97	0.5 L	0.5 L	0.5 L	0.5 L	0.3	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D	LB-031998-14	3/19/98	0.5 L	0.5 L	0.5 L	0.5 L	0.3	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D	LB-031899-13	3/18/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-17D	LB-031600-7	3/16/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D	LB-031401-9	3/14/01	0.5 L	0.5 L	0.5 L	0.5 L	0.1 J	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D	LB-031902-7	3/19/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D	LB-031203-7	3/12/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D	LB-022504-10	2/25/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D	LB-030905-10	3/9/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D	LB-031506-7	3/15/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D	LB-030607-14	3/6/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D (Dup)	LB-030607-15	3/6/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D	LB-032008-11	3/20/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D	LB-17D	3/18/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D	LB-17D032410	3/24/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D	LB-17D	3/22/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-17I	LB-989-W04	9/6/89	1.0 L	1.0 L	1.0 L	1.0 L	1.4	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17I	LB-1089-W14	10/19/89	1.0 L	1.0 L	1.0 L	1.0 L	1.6	1.0 L	1.0 L	1.0 L	1.0 L	1.4
LB-17I	LB-1189-W14	11/15/89	1.0 L	1.0 L	1.0 L	1.0 L	1.3	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17I	LB-1289-W29	12/20/89	1.0 L	1.0 L	1.0 L	1.0 L	1.4	1.0 L	1.0 L	1.0 L	1.0 L	1.1
LB-17I	LB-1289-W30	12/20/89	1.0 L	1.0 L	1.0 L	1.0 L	1.4	1.0 L	1.0 L	1.0 L	1.0 L	1.1
LB-17I	LB-390-W20	3/15/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17I	LB-690-W17	6/21/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-17I	LB-990-W18	9/19/90	1.0 L	1.0 L	1.0 L	1.0 L	1.2	1.0 L	1.0 L	1.0 L	1.0 L	1.1
LB-17I	LB-1290-W22	12/13/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17I	LB-391-W20	3/21/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17I	LB-392-13	3/23/92	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-17I	LB-63092-6	6/30/92	0.2 L	0.2 L	0.2 L	0.2 L	0.7		0.5 L		0.2 L	0.8
LB-17I	LB-63092-6	6/30/92	0.2 L	0.2 L	0.2 L	0.2 L		0.2		1.0	0.2 L	
LB-17I	LB-63092-7	6/30/92	0.2 L	0.2 L	0.2 L	0.2 L	0.7	0.3	0.5 L	1.0		0.9
LB-17I	LB-63092-7	6/30/92	0.2 L	0.2 L	0.2 L	0.2 L					0.3 B	
LB-17I	LB-91892-3	9/18/92	0.2 L	0.2 L	0.2 L	0.2 L	1.0	0.2	0.5 L	4.1	0.2 L	1.3
LB-17I	LB-91892-3	9/18/92	0.2 L	0.2 L	0.2 L	0.2 L					0.2 L	
LB-17I	LB-91892-4	9/18/92	0.2 L	0.2 L	0.2 L	0.2 L	0.9		0.5 L		0.2 L	1.2
LB-17I	LB-91892-4	9/18/92	0.2 L	0.2 L	0.2 L	0.2 L		0.2		4.1	0.2 L	
LB-17I	LB-121192-18	12/11/92	0.2 L	0.2 L	0.2 L	0.2 L		0.2 L	0.5 L	1.0	0.2 L	1.5
LB-17I	LB-121192-18	12/11/92	0.2 L	0.2 L	0.2 L	0.2 L	1.3	0.2 L			0.2 L	
LB-17I	LB-121192-19	12/11/92	0.2 L	0.2 L	0.2 L	0.2 L	1.3	0.2 L	0.5 L		0.2 L	1.6
LB-17I	LB-121192-19	12/11/92	0.2 L	0.2 L	0.2 L	0.2 L		0.2 L		1.1	0.2 L	
LB-17I	LB-031093-5	3/10/93	0.2 L	0.2 L	0.2 L	0.2 L	1.5	0.2 L	0.5 L	0.8	0.2 L	1.9
LB-17I	LB-032994-21	3/29/94	0.2 L	0.2 L	0.2 L	0.2 L	0.9	0.5 L	0.5 L	0.4	0.2 L	0.8
LB-17I	LB-030995-6	3/9/95	0.3 L	0.2 L	0.1 L	0.1 L	0.8	0.1 L	0.1 L	0.2	0.1 L	1.0
LB-17I	LB-031996-10	3/19/96	0.3 L	0.2 L	0.1 L	0.1 L	0.7	0.1 L	0.1 L	0.4	0.1 L	0.9
LB-17I	LB-032097-17	3/20/97	0.5 L	0.5 L	0.5 L	0.5 L	1.3	0.5 L	0.5 L	0.5 L	0.5 L	1.5
LB-17I	LB-031998-13	3/19/98	0.5 L	0.5 L	0.5 L	0.5 L	0.8 J	0.5 L	0.5 L	0.1 J	0.5 L	1.1 J
LB-17I	LB-031899-12	3/18/99	0.2 L	0.3 L	0.2 L	0.3 L	0.6	0.2 L	0.3 L	0.2 L	0.3 L	0.8
LB-17I	LB-031600-6	3/16/00	0.5 L	0.5 L	0.5 L	0.5 L	0.4 J	0.5 L	0.5 L	0.5 L	0.5 L	0.2 J
LB-17I	LB-031401-10	3/14/01	0.5 L	0.5 L	0.5 L	0.5 L	0.4 J	0.5 L	0.5 L	0.5 L	0.5 L	0.3 J
LB-17I	LB-031902-6	3/19/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17I	LB-031203-6	3/12/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17I	LB-022504-11	2/25/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17I	LB030905-11	3/9/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17I	LB-031506-8	3/15/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17I	LB-030607-13	3/6/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17I	LB-032008-10	3/20/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17I	LB-17I	3/18/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-17I	LB-17I032310	3/23/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17I (Dup)	LB-DUP1032410	3/23/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17I	LB-17I	3/22/11	0.1 L	**0.81**	0.1 L	0.02 L	**0.26**	0.1 L	0.1 L	0.25 L	**0.27**	0.1 L
LB-20S	LB-1289-W36	12/21/89	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0	22.0	2.6	1.3	1.0 L
LB-20S	LB-390-W12	3/14/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	2.5	1.0 L	10.0	2.0	1.1
LB-20S	LB-690-W08	6/19/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.8	1.0 L	12.0	1.1	2.2
LB-20S	LB-690-W09	6/19/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	2.2	1.0 L	14.0	1.8	2.4
LB-20S	LB-990-W09	9/14/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	4.9	1.0 L	1.3
LB-20S	LB-1290-W10	12/12/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	5.8	1.0 L	1.7
LB-20S	LB-1290-W11	12/12/90	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.5
LB-20S	LB-391-W08	3/20/91	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-20S	LB-392-18	3/24/92	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L	1.0 L
LB-20S	LB-031593-26	3/15/93	0.2 L	0.2 L	0.2 L	0.2 L			0.5 L	1.3	0.2 L	1.3
LB-20S	LB-031593-26	3/15/93	0.2 L	0.2 L	0.2 L	0.2 L	0.4	0.2			0.2 L	
LB-20S	LB-031593-27	3/15/93	0.2 L	0.2 L	0.2 L	0.2 L	0.4		0.5 L		0.2 L	1.5
LB-20S	LB-031593-27	3/15/93	0.2 L	0.2 L	0.2 L	0.2 L		0.2		1.6	0.2 L	
LB-20S	LB-032994-23	3/29/94	0.2 L	0.2 L	0.2 L	0.2 L	0.5	0.3	0.5 L	1.6	0.2 L	1.1
LB-20S	LB-031395-19	3/13/95	0.3 L	0.2 L	0.1 L	0.1 L	0.3	0.2 B	0.1 L	1.2	0.2	1.4
LB-20S	LB-032096-20	3/20/96	0.3 L	0.3	0.1 L	0.1 L	1.0	0.2	0.1 L	1.9	0.1 B	1.9
LB-20S	LB-032097-15	3/20/97	0.5 L	0.5 L	0.5 L	0.5 L	1.6	0.5 L	0.5 L	2.0	0.5 L	2.3
LB-20S	LB-032098-23	3/20/98	0.5 L	0.5 L	0.5 L	0.5 L	0.8	0.5 L	0.5 L	0.5	0.5 L	1.0
LB-20S	LB-031899-16	3/18/99	0.2 L	0.3 L	0.2 L	0.3 L	0.5	0.2 L	0.3 L	0.9	0.3 L	0.6
LB-20S	LB-031700-14	3/17/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5	0.5 L	0.5 L	0.8	0.5 L	0.8
LB-20S	LB-031401-13	3/14/01	0.5 L	0.5 L	0.5 L	0.5 L	0.4 J	0.5 L	0.5 L	0.5 L	0.5 L	0.6
LB-20S	LB-032002-14	3/20/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-20S	LB-031303-20	3/13/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-20S	LB-022604-19	2/26/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-20S	LB030905-12	3/9/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-20S	LB-031406-4	3/14/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-20S	LB-030607-16	3/6/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5
LB-20S	LB-032408-16	3/24/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5
LB-20S	LB-20S	3/18/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-20S	LB-20S032410	3/24/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-20S	LB-20S	3/24/11	0.1 L	0.1 L	0.1 L	0.02 L	**0.25**	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-26D	LB-0892-2	8/27/92	0.2 L J	0.2 L J	0.2 L J	0.2 L J	0.2 L J	0.2 L J	0.5 L J	0.3 L J	0.3 J	0.2 L J
LB-26D	LB-92192-7	9/21/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-26D	LB-121092-13	12/10/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-26D	LB-031193-14	3/11/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-26D	LB-060193-3	6/1/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-26D	LB-092493-12	9/24/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-26D	LB-092493-12	9/24/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L		0.3 L	0.2 L	
LB-26D	LB-121693-16	12/16/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-26D	LB-032594-7	3/25/94	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-26D	LB-062294-6	6/22/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L
LB-26D	LB-090894-15	9/8/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L
LB-26D	LB-121394-5	12/13/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L
LB-26D	LB-031095-14	3/10/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-26D	LB-061995-2	6/19/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-26D	LB-092095-4	9/20/95	0.3 L	0.3 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-26D	LB-122095-15	12/20/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-26D	LB-031996-2	3/19/96	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-26D	LB-061896-2	6/18/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.2	0.1 L	0.1 L	0.2 L	0.1 L
LB-26D	LB-091896-10	9/18/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	4.0 B	0.1 L	0.1 L	0.2 L	0.1 L
LB-26D	LB121796-4	12/17/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-26D	LB-031997-6	3/19/97	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-061797-8	6/17/97	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.1	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-091697-4	9/16/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-121697-5	12/16/97	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-031998-9	3/19/98	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-061698-9	6/16/98	0.1 L	0.1 L	0.3 L	0.1 L	0.1	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-26D	LB-091798-6	9/17/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 B	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-26D	LB-121798-3	12/17/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-26D	LB-031899-6	3/18/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-26D	LB-062399-9	6/23/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-26D	LB-121599-9	12/15/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L					
LB-26D	LB-031700-13	3/17/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-061300-5	6/13/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-091200-4	9/12/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-121500-7	12/15/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-26D	LB-031301-5	3/13/01	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-031902-8	3/19/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-031203-5	3/12/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-022504-12	2/25/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-030805-7	3/8/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-031606-19	3/16/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-030507-11	3/5/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-031908-8	3/19/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-26D	3/17/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-26D032410	3/24/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-26D	3/23/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-26I	LB-0892-1	8/27/92	0.2 L J	0.2 L J	0.2 L J	0.2 L J	0.2 L J	0.5 J	0.5 L J	1.3 J	0.2 L J	0.2 L J
LB-26I	LB-92192-6	9/21/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.6	0.5 L	2.1	0.2 L	0.2 L
LB-26I	LB-121092-12	12/10/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5	0.5 L	0.3 L	0.2 L	0.2 L
LB-26I	LB-031193-13	3/11/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.6	0.5 L	1.1	0.2 L	0.2 L
LB-26I	LB-060193-1	6/1/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.3	0.5 L	1.6	0.2 L	0.2 L
LB-26I	LB-092493-11	9/24/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.3	0.5 L	3.0	0.2 L	0.2 L
LB-26I	LB-092493-11	9/24/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L				0.2 L	
LB-26I	LB-121693-15	12/16/93	0.2 L	0.2 L	0.3	0.2 L	0.2 L	0.2 L	0.5 L	0.8	0.2 L	0.2 L
LB-26I	LB-032594-6	3/25/94	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	0.5 L	0.8	0.2 L	0.2 L
LB-26I	LB-062294-5	6/22/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.3 L	0.3 L	0.3 L
LB-26I	LB-090894-16	9/8/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	1.0	0.3 L	0.3 L
LB-26I	LB-121394-4	12/13/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.2 L	0.3 L	0.6	0.3 L	0.3 L
LB-26I	LB-031095-13	3/10/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 B	0.1 L	0.5	0.1 L	0.1 L
LB-26I	LB-061995-1	6/19/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 B	0.1 L	0.5	0.1 L	0.1 L
LB-26I	LB-092095-5	9/20/95	0.3 L	0.3 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.3	0.1 L	0.1 L
LB-26I	LB-122095-14	12/20/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L
LB-26I	LB-031996-1	3/19/96	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.7	0.1 L	0.1 L
LB-26I	LB-061896-1	6/18/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.2	0.1 L	0.5	0.2 L	0.1 L
LB-26I	LB-091896-10	9/18/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.2	0.1 L	0.8	0.2 L	0.1 L
LB-26I	LB-121796-5	12/17/96	0.1 L	0.1 L	0.2 L	0.1 L	0.0 L	0.2	0.1 L	0.1 L	0.2 L	0.1 L
LB-26I	LB-031997-4	3/19/97	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-061797-7	6/17/97	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.1	0.5 L	0.4	0.5 L	0.5 L
LB-26I	LB-091697-5	9/16/97	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-121697-7	12/16/97	0.1	0.1	0.5 L	0.5 L	0.1	0.5	0.5 L	0.5 L	0.6	0.5 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-26I	LB-031998-8	3/19/98	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.1	0.5 L	0.4	0.5 L	0.5 L
LB-26I	LB-061698-8	6/16/98	0.1 L	0.1 L	0.3 L	0.1 L	0.1	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-26I	LB-091798-7	9/17/98	0.2 L	0.3 L	0.2 L	0.3 L	0.3 B	0.2 L	0.3 L	0.3	0.3 L	0.2 L
LB-26I	LB-121798-2	12/17/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-26I	LB-031799-1	3/17/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.4	0.3 L	0.2 L
LB-26I	LB-062399-10	6/23/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-26I	LB-121599-8	12/15/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L					
LB-26I	LB-031700-12	3/17/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-061300-4	6/13/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.2 J	0.5 L	0.5 L
LB-26I	LB-091200-5	9/12/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-121500-8	12/15/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-031301-6	3/13/01	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-031902-9	3/19/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-091802-4	9/18/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-031203-4	3/12/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-092203-4	9/22/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-022504-13	2/25/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-090104-26	9/1/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-030805-8	3/8/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-091405-5	9/14/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-031606-20	3/16/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-091206	9/12/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-030507-10	3/5/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-091907-5	9/19/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-031908-7	3/19/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-091608-6	9/16/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-26I	3/17/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LBLF26i091109	9/11/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-26I032410	3/24/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB26I092310	9/23/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-26I	3/23/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-26I	LB-090711-03	9/7/11	0.1 L	0.1 L	0.1 L	**0.044**	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-27D	LB-0892-4	8/27/92	0.2 L J	0.2 L J	0.2 L J	0.2 L J	0.2 L J	0.4 J	0.5 L J	0.3 L J	0.2 L J	0.2 L J
LB-27D	LB-92202-5	9/22/92	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5 L	1.6 J	0.2 L	0.2 L
LB-27D	LB-121192-21	12/11/92	0.2 L	0.2	0.2 L	0.2 L	0.2 L	0.7	0.5 L	0.3 L	0.2 L	0.2 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-27D	LB-031193-16	3/11/93	0.2 L	0.2 L	0.6	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-27D	LB-060193-4	6/1/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.4	0.5 L	0.3 L	0.2 L	0.2 L
LB-27D	LB-092493-16	9/24/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L		0.5 L	0.3 L	0.2 L	0.2 L
LB-27D	LB-092493-16	9/24/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.4		0.3 L	0.2 L	
LB-27D	LB-092493-17	9/24/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L		0.5 L	0.3 L	0.2 L	0.2 L
LB-27D	LB-092493-17	9/24/93	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.4		0.3 L	0.2 L	
LB-27D	LB-121693-17	12/16/93	0.2 L	0.2 L	0.4	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-27D	LB-121693-18	12/16/93	0.2 L	0.2 L	0.4	0.2 L	0.2 L	0.2 L	0.5 L	0.3 L	0.2 L	0.2 L
LB-27D	LB-032494-4	3/24/94	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.4	0.5 L	0.3 L	0.2 L	0.2 L
LB-27D	LB-032494-5	3/24/94	0.2 L	0.2 L	0.2 L	0.2 L	0.2 L	0.5	0.5 L	0.3 L	0.2 L	0.2 L
LB-27D	LB-062294-10	6/22/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.4	0.3 L	0.3 L	0.3 L	0.3 L
LB-27D	LB-062294-9	6/22/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.4	0.3 L	0.3 L	0.3 L	0.3 L
LB-27D	LB-090894-12	9/8/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.4	0.3 L	0.3 L	0.3 L	0.3 L
LB-27D	LB-090894-13	9/8/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.4	0.3 L	0.3 L	0.3 L	0.3 L
LB-27D	LB-121394-2	12/13/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.4	0.3 L	0.3 L	0.3 L	0.3 L
LB-27D	LB-121394-3	12/13/94	0.2 L	0.3 L	0.1 L	0.3 L	0.4 L	0.4	0.3 L	0.3 L	0.3 L	0.3 L
LB-27D	LB-031095-8	3/10/95	0.3 L	0.2 L	0.4 B	0.1 L	0.1 L	0.4 B	0.1 L	0.1 L	0.1 L	0.1 L
LB-27D	LB-031095-9	3/10/95	0.3	0.2 L	0.1 L	0.1 L	0.1 L	0.4 B	0.1 L	0.1 L	0.1 L	0.1 L
LB-27D	LB-061995-4	6/19/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.4 B	0.1 L	0.1 L	0.1 L	0.1 L
LB-27D	LB-061995-5	6/19/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	3.6 B	0.1 L	0.1 L	0.1 L	0.1 L
LB-27D	LB-092095-1	9/20/95	0.3 L	0.3 L	0.1 L	0.1 L	0.1 L	0.4	0.1 L	0.1 L	0.1 L	0.1 L
LB-27D	LB-092095-2	9/20/95	0.3 L	0.3 L	0.1 L	0.1 L	0.1 L	0.4	0.1 L	0.1 L	0.1 L	0.1 L
LB-27D	LB-122095-17	12/20/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.4	0.1 L	0.1 L	0.1 L	0.1 L
LB-27D	LB-122095-18	12/20/95	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.4	0.1 L	0.1 L	0.1 L	0.1 L
LB-27D	LB-031996-3	3/19/96	0.3 L	0.2 L	0.1 L	0.1 L	0.1 L	0.4	0.1 L	0.1 L	0.1 L	0.1 L
LB-27D	LB-061896-4	6/18/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.5	0.1 L	0.1 L	0.2 L	0.1 L
LB-27D	LB-061896-5	6/18/96	0.1 L	0.1	0.3 L	0.1 L	0.0 L	0.5	0.1 L	0.1 L	0.2 L	0.1 L
LB-27D	LB-091796-9	9/17/96	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.5	0.1 L	0.1 L	0.2 L	0.1 L
LB-27D	LB121796-8	12/17/96	0.1 L	0.1	0.3 L	0.1 L	0.0 L	0.6	0.1 L	0.1 L	0.2 L	0.1 L
LB-27D	LB-031997-12	3/19/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.4	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-061797-11	6/17/97	0.5 L	0.1	0.5 L	0.5 L	0.5 L	0.4	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-091697-8	9/16/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.4	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-121797-13	12/17/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.3	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-031998-12	3/19/98	0.5 L	0.1	0.5 L	0.5 L	0.5 L	0.3	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-061798-10	6/17/98	0.1 L	0.1 L	0.3 L	0.1 L	0.0 L	0.3	0.1 L	0.1 L	0.2 L	0.1 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-27D	LB-091798-8	9/17/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.3	0.3 L	0.2 L	0.3 L	0.2 L
LB-27D	LB-121798-6	12/17/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2	0.3 L	0.2 L	0.3 L	0.2 L
LB-27D	LB-031899-9	3/18/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.3	0.3 L	0.2 L	0.3 L	0.2 L
LB-27D	LB-062399-7	6/23/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-27D	LB-091599-1	9/15/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L					
LB-27D	LB-121599-7	12/15/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L					
LB-27D	LB-031600-3	3/16/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.2 J	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-061300-3	6/13/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.3 J	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-091300-8	9/13/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.3 J	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-091300-9	9/13/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.2 J	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-121500-5	12/15/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.2 J	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-031301-3	3/13/01	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.3 J	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-031902-11	3/19/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-031203-3	3/12/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-022604-15	2/26/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D (Dup)	LB-022604-16	2/26/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-030805-6	3/8/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-031606-17	3/16/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-030507-9	3/5/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-031908-5	3/19/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D (Dup)	LB-031908-6	3/19/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-27D	3/18/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-27D032410	3/24/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-27D	3/25/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-27I	LB-0892-3	8/27/92	0.8 J	0.5 J	0.2 L J	0.2 L J	0.2 L J	2.1 J	0.5 L J	1.6 J	0.9 J	0.2 J
LB-27I	LB-92292-4	9/22/92	1.1	0.6	1.0 L	0.2 L	0.2 L	1.9	0.5 L	1.5	1.2	0.2 L
LB-27I	LB-121192-20	12/11/92	0.9	0.5	0.2 L	0.2 L	0.2 L	2.4	0.5 L	0.3 L	1.6	0.2
LB-27I	LB-031293-21	3/12/93	0.9	0.5	0.2 L	0.2 L	0.2 L	1.3	0.5 L	0.8	1.7	0.2 L
LB-27I	LB-060193-2	6/1/93	0.7	0.4	0.2 L	0.2 L	0.2 L	1.0	0.5 L	1.3	1.0	0.2 L
LB-27I	LB-092493-14	9/24/93			0.2 L	0.2 L	0.2 L	0.7	0.5 L		0.4	0.2 L
LB-27I	LB-092493-14	9/24/93	0.5	0.2	0.2 L	0.2 L	0.2 L			1.2		
LB-27I	LB-092493-15	9/24/93		0.2	0.2 L	0.2 L	0.2 L	0.7	0.5 L	1.2	0.4	0.2 L
LB-27I	LB-092493-15	9/24/93	0.6		0.2 L	0.2 L	0.2 L					
LB-27I	LB-121693-19	12/16/93	0.5	0.2 L	0.6	0.2 L	0.2 L	0.2 L	0.5 L	0.6	0.5	0.2 L
LB-27I	LB-121693-20	12/16/93	0.5	0.2	0.7	0.2 L	0.2 L	0.2 L	0.5 L	0.6	0.5	0.2 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-27I	LB-032494-3	3/24/94	0.6	0.3	0.2 L	0.2 L	0.2 L	1.0	0.5 L	0.3 L	1.2	0.2 L
LB-27I	LB-062294-8	6/22/94	0.5	0.3 L	0.1 L	0.3 L	0.4 L	0.9	0.3 L	0.3 L	1.0	0.3 L
LB-27I	LB-090894-11	9/8/94	0.5	0.3 L	0.1 L	0.3 L	0.4 L	1.0	0.3 L	0.5	1.0	0.3 L
LB-27I	LB-121394-1	12/13/94	0.6	0.3 L	0.1 L	0.3 L	0.4 L	0.6	0.3 L	0.3 L	0.6	0.3 L
LB-27I	LB-031095-7	3/10/95	0.7	0.3	0.1 L	0.1 L	0.1	0.6 B	0.1 B	0.3	0.5	0.1 L
LB-27I	LB-061995-3	6/19/95	0.7	0.2	0.1 L	0.1 L	0.1	0.6 B	0.1 L	0.5	0.2	0.1 L
LB-27I	LB-092095-3	9/20/95	0.3	0.3 L	0.1 L	0.1 L	0.1	0.3	0.1 L	0.7	0.2	0.1 L
LB-27I	LB-122095-16	12/20/95	0.3	0.2 L	0.1 L	0.1 L	0.1 L	0.1 L	0.1 L	0.8	0.1 L	0.1 L
LB-27I	LB-031996-4	3/19/96	0.4	0.2 L	0.1 L	0.1 L	0.1 B	0.3	0.1 L	1.4	0.1 L	0.1 L
LB-27I	LB-061896-3	6/18/96	0.2	0.1 L	0.3 L	0.1	0.2	0.1 L	0.1 L	2.0	0.3	0.1 L
LB-27I	LB-091796-7	9/17/96	0.4	0.2	0.3 L	0.1 L	0.1	1.1	0.1 L	2.6	0.3	0.2
LB-27I	LB-091796-8	9/17/96	0.1 L	0.1	0.3 L	0.1 L	0.1	1.2	0.1 L	2.9	0.3	0.4
LB-27I	LB121796-6	12/17/96	0.2	0.1	0.3 L	0.1 L	0.2	0.7	0.1 L	1.7	0.2 L	0.1
LB-27I	LB121796-7	12/17/96	0.2	0.1	0.3 L	0.1 L	0.2	0.6	0.1 L	1.6	0.2 L	0.1
LB-27I	LB-031997-10	3/19/97	0.5 L	0.5 L	0.5 L	0.5 L	0.2	0.2	0.5 L	0.8	0.5 L	0.5 L
LB-27I	LB-031997-11	3/19/97	0.5 L	0.5 L	0.5 L	0.5 L	0.2	0.2	0.5 L	0.8	0.5 L	0.5 L
LB-27I	LB-061797-9	6/17/97	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.2	0.5 L	1.0	0.5 L	0.5 L
LB-27I	LB-061797-9	6/17/97	0.5 L	0.5 L	0.5 L	0.5 L			0.5 L	1.1	0.5 L	0.5 L
LB-27I	LB-091697-6	9/16/97	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-091697-7	9/16/97	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-121797-11	12/17/97	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.5 L	0.5 L	0.2	0.5 L	0.5 L
LB-27I	LB-121797-12	12/17/97	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.5 L	0.5 L	0.4	0.5 L	0.5 L
LB-27I	LB-031998-10	3/19/98	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.5 L	0.5 L	0.3	0.5 L	0.5 L
LB-27I	LB-031998-11	3/19/98	0.5 L	0.5 L	0.5 L	0.5 L	0.1	0.5 L	0.5 L	0.3	0.5 L	0.5 L
LB-27I	LB-061798-11	6/17/98	0.1 L	0.1 L	0.3 L	0.1 L	0.1	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-27I	LB-061798-12	6/17/98	0.1 L	0.1 L	0.3 L	0.1 L	0.1	0.1 L	0.1 L	0.1 L	0.2 L	0.1 L
LB-27I	LB-091798-10	9/17/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-27I	LB-091798-9	9/17/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 B	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-27I	LB-121798-4	12/17/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-27I	LB-121798-5	12/17/98	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-27I	LB-031899-7	3/18/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-27I	LB-031899-8	3/18/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-27I	LB-062399-8	6/23/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L
LB-27I	LB-091599-2	9/15/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L					
LB-27I	LB-121599-6	12/15/99	0.2 L	0.3 L	0.2 L	0.3 L	0.2 L					

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
LB-27I	LB-031600-1	3/16/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-031600-2	3/16/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-061300-1	6/13/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.2 J	0.5 L	0.5 L
LB-27I	LB-061300-2	6/13/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-091300-10	9/13/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.2 J	0.5 L	0.5 L
LB-27I	LB-121500-6	12/15/00	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.2 J	0.5 L	0.5 L
LB-27I	LB-031301-4	3/13/01	0.3 J	0.5 L	0.5 L	0.5 L	0.5 L	0.3 J	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-031902-10	3/19/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-091802-5	9/18/02	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-031203-1	3/12/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-031203-2	3/12/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-092203-2	9/22/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-092203-3	9/22/03	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-022604-17	2/26/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-090104-27	9/1/04	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB030805-5	3/8/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-091405-3	9/14/05	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-031606-18	3/16/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-091206-2	9/12/06	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-030507-8	3/5/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-0919-07-4	9/19/07	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-031908-4	3/19/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-091608-7	9/16/08	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-27I	3/18/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LBLF27i091109	9/11/09	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-27I032410	3/24/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-27I092310	9/23/10	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-27I	3/25/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
LB-27I	LB-090711-01	9/7/11	0.1 L	0.1 L	0.1 L	**0.053**	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
FIELDQC	FB1	3/23/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
FIELDQC	LB-090811-09	9/8/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L

Table B-2
Leichner Landfill
Groundwater Chemistry, Volatile Organic Compounds
1987 - 2011
(ug/L)

Location	Sample Number	Date	PCE	TCE	1,1-DCE	Vinyl Chloride	1,4-DCB	1,1-DCA	1,1,1-TCA	Chloroethane	cis-1,2-DCE	Chlorobenzene
FIELDQC	Trip Blank	3/22/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L
FIELDQC	Trip Blank	9/7/11	0.1 L	0.1 L	0.1 L	0.02 L	0.2 L	0.1 L	0.1 L	0.25 L	0.1 L	0.1 L

Notes:
PCE = tetrachloroethene; TCE = trichloroethene; 1,1,1-TCA = 1,1,1-trichloroethane; 1,1-DCA = 1,1-dichloroethane; 1,1-DCB = 1,1,-dichlorobenzene; 1,4-DCB = 1,4-dichlorobenzene;
cis-1,2-DCE = cis-1,2-dichloroethene; 1,1-DCE = 1,1-dichloroethene; B = Analyte detected above the MDL but below the MRL; L = Not detected at or above method reporting limit;
J = Estimated concentration.

Inorganic Parameters (Nitrate, Cl, and TDS)
And Dissolved Metals (Fe and Mn)

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-1D	LB-01D	6/2/87	234	4.0	4.7		0.05 L	0.01 L
LB-1D	LB-01D	7/21/87		5.0	4.5		0.05 L	0.005 L
LB-1D	LB-01D	9/4/87		5.0	2.6		0.05 L	0.01 L
LB-1D	LB-01D	11/6/87		5.9	4.7		0.05 L	0.01 L
LB-1D	LB-01D	2/9/88	224	5.0	4.5		0.05 L	0.01 L
LB-1D	LB-01D	6/22/88	214	5.0	3.8		0.05 L	0.05 L
LB-1D	LB-01D	8/30/88	250	5.0	4.6		0.05 L	0.01 L
LB-1D	LB-01D	9/1/88	206	5.0	4.5		0.05 L	0.01 L
LB-1D	LB-01D	12/5/88	193	5.4	4.2		0.01 L	0.01 L
LB-1D	LB-289-W04	2/28/89	210	5.0	4.5		0.01 L	0.01 L
LB-1D	LB-589-W03	5/23/89	212	6.3	4.9		0.05 L	0.01 L
LB-1D	LB-989-W16	9/12/89	168	4.0	5.0		0.02 L	0.005 L
LB-1D	LB-1089-W01	10/17/89	188	4.2	4.5	161	0.05 L	0.005 L
LB-1D	LB-1189-W04	11/14/89	141	5.5	4.9	150	0.02 L	0.005 L
LB-1D	LB-1289-W22	12/19/89	174	5.0	4.6			
LB-1D	LB-390-W09	3/14/90	204	5.3	4.7	143		
LB-1D	LB-690-W11	6/20/90	195	4.9	4.8	180		
LB-1D	LB-990-W08	9/14/90	187	5.3	4.8	196		
LB-1D	LB-1290-W06	12/11/90	203	5.5	4.7	125		
LB-1D	LB-391-W11	3/20/91	202	5.2	4.6	187		
LB-1D	LB-691-W06	6/26/91	200	5.0	4.5	157		
LB-1D	LB-991-06	9/24/91	176	5.1	4.4	172		
LB-1D	LB-1291-14	12/23/91	201	4.3	4.6	162		
LB-1D	LB-392-14	3/23/92	197	5.5	4.6	163		
LB-1D	LB-63092-2	6/30/92	196	4.7	5.7	167		
LB-1D	LB-92292-3	9/22/92	201	5.1	4.7	160		
LB-1D	LB-121192-16	12/11/92	204	5.9	4.7	176		
LB-1D	LB-031093-3	3/10/93	199	5.7	4.2	169		
LB-1D	LB-060293-6	6/2/93	199	5.5	4.3	156		
LB-1D	LB-092393-8	9/23/93	187	5.5	4.3	163		
LB-1D	LB-121593-2	12/15/93	170	6.1	4.6	163		
LB-1D	LB-032494-2	3/24/94	208	5.8	4.6	159		
LB-1D	LB-062194-1	6/21/94	171	5.6	4.4	167		
LB-1D	LB-090694-2	9/6/94	186	5.1	5.1	172		
LB-1D	LB-121494-12	12/14/94	168	5.1	4.9	147		
LB-1D	LB-030995-02	3/9/95	160	5.8	4.6	171		
LB-1D	LB-062095-13	6/20/95	184	5.8	5.4	145		
LB-1D	LB-092295-14	9/22/95	239	6.1	4.6	128		
LB-1D	LB-121995-6	12/19/95	196	6.1	5.3	162		
LB-1D	LB-032096-18	3/20/96	193	6.0	5.2	177		
LB-1D	LB-061896-10	6/18/96	174	6.1	5.2	169		
LB-1D	LB-091796-6	9/17/96	190	6.6	5.1	160	0.02 L	0.005 L
LB-1D	LB121796-2	12/17/96	214	6.4	5.3	183	0.02 L	0.005 L
LB-1D	LB-031997-4	3/19/97	174	7.0	5.8	183	0.02 L	0.005 L
LB-1D	LB-061797-4	6/17/97	214	6.2	5.2	183	0.02 L	0.005 L

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-1D	LB-091697-1	9/16/97	208	6.5	5.3	185	0.02 L	0.005 L
LB-1D	LB-121697-4	12/16/97	206	6.7	5.7	173	0.02 L	0.005 L
LB-1D	LB-031998-4	3/19/98	227	7.1	6.2	184	0.02 L	0.005 L
LB-1D	LB-061698-6	6/16/98	158	6.7	6.1	184	0.02 L	0.005 L
LB-1D	LB-091798-3	9/17/98	224	6.7	5.7	196	0.02 L	0.005 L
LB-1D	LB-121898-10	12/18/98	178	7.4	6.3	201	0.02	0.005 L
LB-1D	LB-031799-4	3/17/99	182	7.4	6.1	161	0.02 L	0.005 L
LB-1D	LB-062399-15	6/23/99	187	7.2	6.2	187	0.02 L	0.005 L
LB-1D	LB-091799-11	9/17/99	204	7.6	6.0	157	0.02 L	0.005 L
LB-1D	LB-121699-12	12/16/99	190	6.9	5.6	178	0.02 L	0.005 L
LB-1D	LB-031700-16	3/17/00	180	7.0	5.8	170	0.02 L	0.005 L
LB-1D	LB-061300-8	6/13/00	190	7.3	6.0	184	0.01 B	0.005 L
LB-1D	LB-091100-2	9/11/00	215	7.6	6.4	192	0.02 L	0.005 L
LB-1D	LB-121500-10	12/15/00	219	7.0	5.7	146	0.02 L	0.005 L
LB-1D	LB-031501-15	3/15/01		7.2	5.9	180	0.02 L	0.005 L
LB-1D	LB-031501-16	3/15/01		7.0	5.9	166	0.02 L	0.005 L
LB-1D	LB-031902-02	3/19/02		6.9	5.9	159	0.02 L	0.005 L
LB-1D	LB-031303-12	3/13/03		6.6	5.7	198	0.02 L	0.005 L
LB-1D	LB-022404-1	2/24/04		6.7	5.6	188	0.07	0.006
LB-1D	LB030905-13	3/9/05		6.7	5.5	224	0.02 L	0.005 L
LB-1D	LB-031406-1	3/14/06		6.0	5.3	168	0.02 L	0.005 L
LB-1D (Dup)	LB-031406-2	3/14/06		6.1	5.3	144	0.02 L	0.005 L
LB-1D	LB-030507-2	3/5/07		6.1	5.6	194	0.02 L	0.005 L
LB-1D	LB-032408-15	3/24/08		6.6	5.7	154	0.02 L	0.005 L
LB-1D	LB-1D	3/17/09		7.0	5.9	147	0.02 L	0.005 L
LB-1D	LB-1D032310	3/23/10		6.39	6.14	162	0.02 L	0.005 L
LB-1D	LB-1D	3/28/11	220	7.49	5.87	195	0.025 L	0.002 L
LB-1S	LB-01S	5/11/87	602	16.0	1.1		0.05 L	0.031
LB-1S	LB-01S	7/21/87		20.0	2.7		0.05 L	0.006
LB-1S	LB-01S	9/4/87		15.0	1.8		0.05 L	0.01 L
LB-1S	LB-01S	11/6/87		14.0	3.3		0.05 L	0.01 L
LB-1S	LB-01S	2/11/88	410	15.0	2.3		0.05 L	0.01 L
LB-1S	LB-01S	6/22/88	496	20.0	2.0		0.05 L	0.05 L
LB-1S	LB-01S	8/30/88	478	18.0	3.3		0.05 L	0.01 L
LB-1S	LB-01S	12/5/88	348	17.0	3.5		0.01 L	0.01 L
LB-1S	LB-289-W05	2/28/89	408	14.0	3.7		0.29	0.01 L
LB-1S	LB-589-W04	5/23/89	510	22.0	3.8		0.05 L	0.01 L
LB-1S	LB-989-W15	9/12/89	334	13.0	4.0		0.20 L	0.005 L
LB-1S	LB-1289-W12	12/15/89	300	12.0	4.7			
LB-1S	LB-390-W10	3/14/90	388	13.6	4.7	152		
LB-1S	LB-690-W10	6/20/90	526	17.8	4.0	302		
LB-1S	LB-990-W06	9/14/90	531	20.2	3.8	325		
LB-1S	LB-1290-W05	12/11/90	456	23.6	2.5	328		
LB-1S	LB-391-W10	3/20/91	602	17.7	3.1	320		
LB-1S	LB-691-W05	6/26/91	472	14.8	4.4	294		

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-1S	LB-991-05	9/24/91	350	10.2	5.4	253		
LB-1S	LB-1291-13	12/23/91	382	10.0	4.0	290		
LB-1S	LB-392-15	3/23/92	421	13.0	4.0	287		
LB-1S	LB-63092-1	6/30/92	367	10.0	5.7	259		
LB-1S	LB-92292-2	9/22/92	367	11.0	5.0	252		
LB-1S	LB-121192-15	12/11/92	378	12.0	5.0	246		
LB-1S	LB-031093-4	3/10/93	675	17.0	1.8	388		
LB-1S	LB-060293-5	6/2/93	616	12.0	3.5	388		
LB-1S	LB-092393-9	9/23/93	487	15.0	3.9	309		
LB-1S	LB-121593-1	12/15/93	382	17.0	4.2	291		
LB-1S	LB-032494-1	3/24/94	591	20.0	3.3	373		
LB-1S	LB-052194-4	6/21/94	463	14.0	5.1	305		
LB-1S	LB-090694-1	9/6/94	481	15.0	5.4	369		
LB-1S	LB-121494-11	12/14/94	499	16.0	5.2	357		
LB-1S	LB-030995-01	3/9/95	330	14.0	7.1	296		
LB-1S	LB-062095-12	6/20/95	410	12.0	8.8	307		
LB-1S	LB-092295-13	9/22/95	494	19.0	7.0	248		
LB-1S	LB-121995-5	12/19/95	422	17.0	8.0	291		
LB-1S	LB-032096-17	3/20/96	488	21.0	6.8	312		
LB-1S	LB-061896-9	6/18/96	325	15.0	9.1	275		
LB-1S	LB-091796-5	9/17/96	377	15.0	8.7	303	0.02 L	0.005 L
LB-1S	LB121796-1	12/17/96	455	17.0	7.9	298	0.02 L	0.005 L
LB-1S	LB-031997-3	3/19/97	444	35.0	7.2	370	0.03	0.005 L
LB-1S	LB-061797-3	6/17/97	348	12.0	7.5	279	0.02 L	0.005 L
LB-1S	LB-091697-2	9/16/97	382	21.6	7.4	291	0.02 L	0.005 L
LB-1S	LB-121697-5	12/16/97	456	22.0	8.9	310	0.03	0.005 L
LB-1S	LB-031998-3	3/19/98	526	35.1	8.7	306	0.02 L	0.005 L
LB-1S	LB-061698-5	6/16/98	303	19.6	10.2	307	0.02 L	0.005 L
LB-1S	LB-091798-4	9/17/98	448	21.6	9.0	298	0.02	0.005 L
LB-1S	LB-121898-9	12/18/98	363	18.1	9.0	332	0.34	0.008
LB-1S	LB-031799-3	3/17/99	465	29.7	9.1	355	0.02	0.005 L
LB-1S	LB-062399-14	6/23/99	363	21.0	8.1	277	0.02 L	0.005 L
LB-1S	LB-091799-10	9/17/99	447	19.6	8.3	279	0.10	0.005 L
LB-1S	LB-091799-9	9/17/99	457	21.1	7.4	285	0.03	0.005 L
LB-1S	LB-121699-13	12/16/99	358	12.1	8.1	255	0.02 L	0.005 L
LB-1S	LB-031700-15	3/17/00	383	18.5	7.3	249	0.02 L	0.005 L
LB-1S	LB-061300-7	6/13/00	297	9.8	9.8	222	0.02 L	0.005 L
LB-1S	LB-091100-1	9/11/00	365	14.2	8.9	264	0.02 L	0.005 L
LB-1S	LB-121500-9	12/15/00	362	10.2	7.4	213	0.02 L	0.005 L
LB-1S	LB-031401-14	3/14/01		8.6	9.8	227	0.02 L	0.005 L
LB-1S	LB-092001-6	9/20/01		8.3	7.3	212	0.02 L	0.005 L
LB-1S	LB-031902-01	3/19/02		7.5	4.3	206	0.02 L	0.005 L
LB-1S	LB-091802-01	9/17/02		6.0	7.0	206	0.02 L	0.005 L
LB-1S	LB-031303-10	3/13/03		5.2	4.7	216	0.02 L	0.005 L

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-1S	LB-031303-11	3/13/03		5.1	4.7	198	0.03	0.005 L
LB-1S	LB-092203-6	9/22/03		4.5	5.2	208	2.32	0.069
LB-1S	LB-022404-2	2/24/04		4.4	4.0	184	0.12	0.005 L
LB-1S	LB-090104-1	9/1/04		4.0	3.6	179	0.02 L	0.005 L
LB-1S (Dup)	LB-090104-30	9/1/04		4.0	3.6	186	0.02 L	0.005 L
LB-1S	LB030905-14	3/9/05		4.7	3.7	220	0.24	0.203
LB-1S	LB-091405-1	9/14/05		5.0	4.4	148	0.02 L	0.005 L
LB-1S (Dup)	LB-091405-2	9/14/05		5.0	4.5	188	0.02 L	0.005 L
LB-1S	LB-031406-3	3/14/06		6.6	2.5	234	1.62	0.045
LB-1S	LB-091306-5	9/13/06		4.6	5.0	174	0.02 L	0.005 L
LB-1S (Dup)	LB-091306-6	9/13/06		4.6	5.0	176	0.104	0.005 L
LB-1S	LB-030507-1	3/5/07		4.6	4.9	196	1.62	0.045
LB-1S	LB-091907-1	9/19/07		4.6	4.6	168	0.02 L	0.005 L
LB-1S (Dup)	LB-091907-2	9/19/07		4.6	4.7	187	0.104	0.005 L
LB-1S	LB-032408-14	3/24/08		8.9	4.3	196	0.020 L	0.005 L
LB-1S	LB-091608-1	9/16/08		5.2	5.6	209	0.024	0.005 L
LB-1S	LB-1S	3/17/09		6.0	4.8	159	0.020 L	0.005 L
LB-1S	LBLF1S091109	9/11/09		4.99	4.94	202	0.051	0.005 L
LB-1S	LB-1S032310	3/23/10		6.53	4.08	201	0.020 L	0.005 L
LB-1S	LB-1092310	9/23/10		6.96	6.21	185	0.020 L	0.005 L
LB-1S	LB-1S	3/24/11	248	5.92	5.70	220	0.025 L	0.002 L
LB-1S	LB-090811-07	9/8/11		5.71	6.87	205	0.025 L	0.002 L
LB-3D	LB-03D	5/28/87	270	8.0	4.3		0.05 L	0.01 L
LB-3D	LB-03D	7/17/87		8.0	4.1		0.05 L	0.005 L
LB-3D	LB-03D	9/8/87		8.0	2.2		0.05 L	0.05 L
LB-3D	LB-03D	11/6/87		8.2	4.9		0.05 L	0.01 L
LB-3D	LB-1189-W01	11/13/89	176	5.5	5.0	179	0.02 L	0.005 L
LB-3D	LB-1289-W20	12/18/89	206	6.2	4.8	173	0.02 L	0.005 L
LB-3D	LB-032097-14	3/20/97	204	5.3	6.2	196	0.02 L	0.005 L
LB-3D	LB-032098-21	3/20/98	236	5.2	7.3	175	0.02 L	0.005 L
LB-3D	LB-031899-15	3/18/99	193	5.2	7.7	182	0.03	0.005 L
LB-3D	LB-031600-9	3/16/00	199	4.7	8.0	222	0.02 L	0.005 L
LB-3D	LB-031501-17	3/15/01		5.2	7.6	171	0.02 L	0.005 L
LB-3D	LB-032002-18	3/20/02		5.6	6.7	157	0.02 L	0.005 L
LB-3D	LB-031303-14	3/13/03		4.1	5.5	181	0.02 L	0.005 L
LB-3D	LB-022404-5	2/24/04		3.3	4.4	164	0.02 L	0.005 L
LB-3D	LB-030905-15	3/9/05		3.2	4.1	169	0.02 L	0.005 L
LB-3D	LB-031606-21	3/16/06		3.0	4.2	122	0.02 L	0.005 L
LB-3D	LB-030507-4	3/5/07		3.2	4.4	156	0.02 L	0.005 L
LB-3D (Dup)	LB-030507-5	3/5/07		3.2	4.4	161	0.02 L	0.005 L
LB-3D	LB-032408-17	3/24/08		3.3	4.2	145	0.02 L	0.005 L
LB-3D	LB-3D	3/18/09		3.5	4.5	147	0.02 L	0.005 L
LB-3D	LB-3D032410	3/24/10		3.60	5.76	152	0.02 L	0.005 L
LB-3D	LB-3D	3/28/11	210	4.23	5.05	201	0.025 L	0.002 L

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-3S	LB-03S	5/11/87	308	9.0	1.9		0.05 L	0.01
LB-3S	LB-03S	7/16/87		7.0	2.1		0.05 L	0.005 L
LB-3S	LB-03S	9/4/87		7.0	1.5		0.05 L	0.01 L
LB-3S	LB-03S	11/5/87		6.4	3.4		0.05 L	0.01 L
LB-3S	LB-1089-W02	10/17/89	192	4.0	4.0	193	0.05 L	0.005 L
LB-3S	LB-1189-W02	11/13/89	160	4.5	4.1	144	0.02	0.005 L
LB-3S	LB-1289-W11	12/15/89	190	5.0	4.0	176	0.03	0.064
LB-3S	LB-390-W11	3/14/90	218	5.3	3.8	164		
LB-3S	LB-690-W06	6/19/90	212	4.7	3.7	148		
LB-3S	LB-990-W10	9/14/90	213	4.9	3.6	219		
LB-3S	LB-1290-W08	12/12/90	377	4.6	3.5	194		
LB-3S	LB-391-W07	3/20/91	217	4.5	3.4	150		
LB-3S	LB-691-W10	6/11/91	226	4.9	3.3	188		
LB-3S	LB-991-16	9/26/91	250	4.6	2.4	193		
LB-3S	LB-1291-06	12/20/91	333	4.5	3.3	186		
LB-3S	LB-392-10	3/20/92	230	4.4	3.3	195		
LB-3S	LB-62692-8	6/26/92	253	4.9	2.6	204		
LB-3S	LB-91792-3	9/17/92	266	4.4	2.9	205		
LB-3S	LB-121092-14	12/10/92	273	4.3	3.2	202		
LB-3S	LB-031593-25	3/15/93	309	4.7	2.7	218		
LB-3S	LB-060393-14	6/3/93	296	4.5	2.6	214		
LB-3S	LB-092393-1	9/23/93	278	4.2	3.0	212		
LB-3S	LB-121593-5	12/15/93	255	4.1	3.1	212		
LB-3S	LB-032594-11	3/25/94	281	3.8	3.0	204		
LB-3S	LB-062394-13	6/23/94	276	4.1	2.9	208		
LB-3S	LB-090794-8	9/7/94	235	3.3	3.3	213		
LB-3S	LB-121494-13	12/14/94	274	3.6	2.5	215		
LB-3S	LB-031395-20	3/13/95	267	3.9	3.4	214		
LB-3S	LB-062095-14	6/20/95	259	3.7	3.8	221		
LB-3S	LB-092095-11	9/20/95	328	3.9	3.7	202		
LB-3S	LB-121995-4	12/19/95	272	5.0	4.2	206		
LB-3S	LB-032096-21	3/20/96	254	5.1	4.3	199		
LB-3S	LB-061996-11	6/19/96	257	4.5	4.4	213		
LB-3S	LB-032097-13	3/20/97	211	3.6	5.0	207	0.30	0.008
LB-3S	LB-032098-20	3/20/98	228	3.1	4.4	185	0.02 L	0.005 L
LB-3S	LB-031899-14	3/18/99	159	3.1	4.0	154	0.02 L	0.005 L
LB-3S	LB-031600-8	3/16/00	148	2.4	4.4	169	0.02	0.007
LB-3S	LB-031501-18	3/15/01		3.2	4.6	148	0.02 L	0.005 L
LB-3S	LB-032002-17	3/20/02		3.7	4.8	155	0.02 L	0.005 L
LB-3S	LB-031303-13	3/13/03		3.1	4.1	220	0.02 L	0.005 L
LB-3S	LB-022404-6	2/24/04		2.7	3.3	159	4.59	0.07
LB-3S	LB-030905-16	3/9/05		2.7	2.7	163	0.10	0.005 L
LB-3S	LB-031606-22	3/16/06		2.4	2.5	134	0.02 L	0.005 L
LB-3S	LB-030507-3	3/5/07		2.7	2.9	160	0.02 L	0.005 L
LB-3S	LB-032408-18	3/24/08		2.8	3.2	145	0.02 L	0.005 L

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-3S	LB-3S	3/18/09		3.3	3.3	162	0.02 L	0.005 L
LB-3S	LB-3S032310	3/23/10		2.83	3.56	144	0.02 L	0.005 L
LB-3S	LB-3S	3/28/11	214	3.40	3.63	188	0.025 L	0.002 L
LB-4D	LB-04D	5/29/87	52.2	4.0	2.8		0.05 L	0.01 L
LB-4D	LB-04D	6/22/87	180	2.0	2.9		0.27	0.016
LB-4D	LB-04D	7/17/87		2.0	3.0		0.05 L	0.005 L
LB-4D	LB-04D	9/8/87		2.0	1.5		0.05 L	0.01 L
LB-4D	LB-04D	11/9/87		2.8	0.6		0.05 L	0.01 L
LB-4D	LB-04D	2/9/88	176	3.0	3.2		0.05 L	0.01 L
LB-4D	LB-04D	6/21/88	162	1.0	2.8		0.05 L	0.05 L
LB-4D	LB-04D	8/29/88	166	2.0	3.2		0.05 L	0.01 L
LB-4D	LB-04D	12/5/88	153	2.6	2.8		0.01 L	0.01 L
LB-4D	LB-289-W02	2/27/89	158	2.0	2.9		0.01 L	0.01 L
LB-4D	LB-589-W02	5/22/89	169	2.4	3.6		0.05 L	0.01 L
LB-4D	LB-989-W27	9/15/89	143	1.4	3.0		0.02 L	0.005 L
LB-4D	LB-1289-W06	12/14/89	121	1.8	2.9	96		
LB-4D	LB-390-W01	3/13/90	160	2.2	3.0	105	0.02 L	0.005 L
LB-4D	LB-690-W01	6/19/90	201	1.8	3.0	120	0.02 L	0.005 L
LB-4D	LB-990-W02	9/13/90	154	2.1	3.2	165	0.02	0.005 L
LB-4D	LB-1290-W01	12/11/90	188	2.0	3.0	93	0.02 L	0.005 L
LB-4D	LB-391-W27	3/21/91	152	1.9	3.0	146	0.03 L	0.005 L
LB-4D	LB-691-W02	6/26/91	158	1.7	2.9	134	0.04 L	0.005 L
LB-4D	LB-991-01	9/24/91	153	2.7	3.1	122	0.02 L	0.005 L
LB-4D	LB-1291-02	12/19/91	166	1.9	2.9	132	0.02 L	0.005 L
LB-4D	LB-392-02	3/19/92	161	1.9	2.9	118	0.02 L	0.005 L
LB-4D	LB-62692-2	6/26/92	155	4.9	3.8	129	0.02 L	0.005 L
LB-4D	LB-91792-5	9/17/92	151	2.0	3.1	110	0.02	0.005 L
LB-4D	LB-12992-3	12/9/92	150	2.1	3.2	111	0.02 L	0.005 L
LB-4D	LB-030993-2	3/9/93	157	1.8	2.8	103	0.02 L	0.005 L
LB-4D	LB-060493-17	6/4/93	149	1.9	2.9	119	0.02 L	0.005 L
LB-4D	LB-092393-3	9/23/93	157	2.4	3.1	117	0.02 L	0.005 L
LB-4D	LB-121693-11	12/16/93	130	2.4	3.2	132	0.02 L	0.005 L
LB-4D	LB-032594-10	3/25/94	151	2.1	3.0	119	0.02 L	0.005 L
LB-4D	LB-062794-18	6/27/94	107	2.0	3.0	112	0.02 L	0.005 L
LB-4D	LB-090894-20	9/8/94	154	1.9	3.0	128	0.02 L	0.007
LB-4D	LB-121494-15	12/14/94	146	1.8	3.1	122	0.07	0.005 L
LB-4D	LB-031395-22	3/13/95	137	1.7	3.2	126	0.02 L	0.005 L
LB-4D	LB-092295-21	9/22/95	169	2.1	2.9	92	0.02	0.005 L
LB-4D	LB-122795-21	12/27/95	41	1.0	0.2 L	47	2.82	0.078
LB-4D	LB-032796-22	3/27/96	30	1.0	0.5	31	0.92	0.036
LB-4D	LB-070996-21	7/9/96	116	2.1	3.2	132	0.02 L	0.005 L
LB-4D	LB-091896-15	9/18/96	164	2.3	3.7	15	0.02 L	0.005 L
LB-4D	LB121896-15	12/18/96	153	1.9	3.5	133	0.02 L	0.009

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-4D	LB-031797-2	3/17/97	114	2.2	3.7	131	0.02 L	0.005 L
LB-4D	LB-061697-2	6/16/97	149	2.2	3.5	123	0.02 L	0.005 L
LB-4D	LB-091697-9	9/16/97	139	2.2	3.7	147	0.02 L	0.005 L
LB-4D	LB-121597-2	12/15/97	147	2.1	3.8	127	0.02	0.005 L
LB-4D	LB-031898-1	3/18/98	156	2.3	3.8	103	0.02 L	0.005 L
LB-4D	LB-061598-2	6/15/98	145	2.1	4.1	135	0.02 L	0.005 L
LB-4D	LB-091698-2	9/16/98	160	2.2	4.1	126 B	0.02 L	0.005 L
LB-4D	LB-121898-14	12/18/98	130	2.4	3.9	147	0.03	0.005 L
LB-4D	LB-031999-21	3/19/99	125	2.5	3.9	165	0.02 L	0.005 L
LB-4D	LB-062299-2	6/22/99	124	2.4	3.9	112	0.02 L	0.005 L
LB-4D	LB-091699-8	9/16/99	152	2.4	3.7	120	0.02 L	0.005 L
LB-4D	LB-121499-1	12/14/99	150	2.3	3.8	119	0.02 L	0.005 L
LB-4D	LB-031700-20	3/17/00	131	2.4	3.6	86	0.02 L	0.005 L
LB-4D	LB-061400-12	6/14/00	187	4.8	4.8	185	0.02 L	0.005 L
LB-4D	LB-091200-7	9/12/00	150	2.2	4.0	121	0.02 L	0.005 L
LB-4D	LB-121300-4	12/13/00	168	2.2	4.0	124	0.05	0.005 L
LB-4D	LB-031301-1	3/13/01		2.3	3.9	121	0.02 L	0.005 L
LB-4D	LB-031902-04	3/19/02		2.5	4.1	107	0.02 L	0.005 L
LB-4D	LB-031902-05	3/19/02		2.5	4.1	104	0.02 L	0.005 L
LB-4D	LB-031303-18	3/13/03		2.5	4.3	88	0.02 L	0.005 L
LB-4D	LB031005-23	3/10/05		2.3	4.5	145	0.02 L	0.005 L
LB-4D	LB-031506-11	3/15/06		2.3	4.8	130	0.02 L	0.005 L
LB-4D	LB-030607-22	3/6/07		2.6	5.7	137	0.02 L	0.005 L
LB-4D	LB-032408-19	3/24/08		2.7	6.3	126	0.02 L	0.005 L
LB-4D	LB-4D	3/18/09		3.0	6.4	125	0.02 L	0.005 L
LB-4D	Dup-2	3/18/09		3.0	6.4	134	0.02 L	0.005 L
LB-4D	LB-4D032310	3/23/10		2.90	7.17	134	0.02 L	0.005 L
LB-4D	LB-4D	3/22/11	180	3.23	6.20	169 H	0.025 L	0.002 L
LB-4S(R)	LB-090894-21	9/8/94	208	7.6	4.9	240	0.02 L	0.005 L
LB-4S(R)	LB-121494-14	12/14/94	161	4.1	2.4	224	0.22	0.027
LB-4S(R)	LB-031395-21	3/13/95	140	3.6	3.8	182	0.02 L	0.005 L
LB-4S(R)	LB-092295-19	9/22/95	250	12.0	7.1	186	0.02	0.005 L
LB-4S(R)	LB-122795-20	12/27/95	62	1.4	0.5	81	0.24	0.018
LB-4S(R)	LB-032796-23	3/27/96	52	1.2	0.5	71	0.08	0.005 L
LB-4S(R)	LB-070996-20	7/9/96	168	8.1	7.2	248	0.02 L	0.005 L
LB-4S(R)	LB-091896-14	9/18/96	216	9.0	8.1	182	0.02 L	0.005 L
LB-4S(R)	LB121896-14	12/18/96	224	6.7	7.0	168	0.02 L	0.005 L
LB-4S(R)	LB-031797-1	3/17/97	180	5.6	6.8	193	0.26	0.026
LB-4S(R)	LB-061697-1	6/16/97	202	4.9	6.1	176	0.02 L	0.005 L
LB-4S(R)	LB-091697-10	9/16/97	182	4.7	5.4	175	0.02 L	0.005 L
LB-4S(R)	LB-121597-1	12/15/97	202	4.6	5.0	161	0.02	0.005 L
LB-4S(R)	LB-031898-2	3/18/98	222	6.0	9.3	165	0.02 L	0.005 L
LB-4S(R)	LB-061598-1	6/15/98	219	5.8	9.0	196	0.02 L	0.005 L

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-4S(R)	LB-091698-1	9/16/98	213	5.7	6.3	174	0.02 L	0.005 L
LB-4S(R)	LB-121898-13	12/18/98	160	6.8	4.5	170	0.77	0.07
LB-4S(R)	LB-031999-20	3/19/99	186	7.5	6.4	127	0.03	0.005 L
LB-4S(R)	LB-062299-1	6/22/99	194	6.4	7.3	184	0.02 L	0.005 L
LB-4S(R)	LB-091699-7	9/16/99	212	6.4	5.1	172	0.02 L	0.005 L
LB-4S(R)	LB-121499-2	12/14/99	183	6.3	3.6	134	0.02 L	0.005 L
LB-4S(R)	LB-031700-19	3/17/00	190	4.5	3.8	172	0.24	0.029
LB-4S(R)	LB-061400-11	6/14/00	215	5.9	8.3	209	0.02 L	0.005 L
LB-4S(R)	LB-091200-6	9/12/00	194	6.2	5.2	169	0.02 L	0.005 L
LB-4S(R)	LB-121300-3	12/13/00	208	5.7	5.3	166	0.02 L	0.005 L
LB-4S(R)	LB-031301-2	3/13/01		7.3	6.8	160	0.02 L	0.005 L
LB-4S(R)	LB-031902-03	3/19/02		4.7	4.9	139	0.02 L	0.005 L
LB-4S(R)	LB-031303-17	3/13/03		6.8	6.9	230	0.02	0.005 L
LB-4S(R)	LB031005-22	3/10/05		7.2	8.1	204	0.40	0.012
LB-4S(R)	LB-031506-12	3/15/06		4.1	7.2	196	0.44	0.040
LB-4S(R)	LB-030607-21	3/6/07		8.1	16.6	217	0.02 L	0.005 L
LB-4S(R)	LB-032408-20	3/24/08		3.0	5.4	174	0.02 L	0.005 L
LB-4S(R)	LB-4S	3/18/09		5.0	3.9	174	0.02 L	0.005 L
LB-4S(R)	LB-4SR032310	3/23/10		3.03	3.52	143	0.02 L	0.005 L
LB-4S(R)	LB-4SR	3/22/11	224	5.36	4.89	191 H	0.025 L	0.002 L
LB-5D	LB-05D	5/27/87	606	38.0	2.6		0.05 L	1.5
LB-5D	LB-05D	7/20/87		45.0	0.1		0.05 L	0.016
LB-5D	LB-05D	9/10/87		44.0	0.1		0.05 L	0.01 L
LB-5D	LB-05D	11/11/87		43.0	0.1		0.05 L	0.01 L
LB-5D	LB-05D	2/10/88	624	41.0	0.1		0.05 L	0.01 L
LB-5D	LB-05D	6/23/88	593	42.0	0.1		0.05 L	0.05 L
LB-5D	LB-05D	8/31/88	616	43.0	0.1 L		0.07	0.01 L
LB-5D	LB-05D	12/6/88	494	40.0	0.6		0.01 L	0.01 L
LB-5D	LB-289-W03	3/1/89	548	40.0	0.2 L		0.01 L	0.025
LB-5D	LB-589-W13	5/24/89	576	51.0	0.2 L		0.05 L	0.01 L
LB-5D	LB-989-W11	9/8/89	460	38.0	0.2 L		0.02 L	0.006
LB-5D	LB-1289-W24	12/19/89	470	40.0	0.2	325		
LB-5D	LB-390-W16	3/15/90	562	39.8	0.2	368		
LB-5D	LB-690-W14	6/20/90	550	39.4	0.2 L	367		
LB-5D	LB-990-W15	9/18/90	545	37.8	0.2	394		
LB-5D	LB-1290-W24	12/14/90	472	40.8	0.2	346		
LB-5D	LB-391-W14	3/21/91	615	45.9	0.3	521		
LB-5D	LB-691-W17	6/26/91	551	39.6	0.3	372		
LB-5D	LB-991-08	9/25/91	580	42.1	0.2	336		
LB-5D	LB-1291-11	12/20/91	527	37.7	0.3	336		
LB-5D	LB-392-03	3/19/92	582	44.0	0.2 L	348		
LB-5D	LB-63092-4	6/30/92	548	42.0	0.2	356		
LB-5D	LB-91892-2	9/18/92	549	44.0	0.2 L	351		
LB-5D	LB-121092-11	12/10/92	562	45.0	0.2 L			

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-5D	LB-031193-12	3/11/93	552	45.0	0.2	340		
LB-5D	LB-060293-8	6/2/93	548	45.0	0.3	332		
LB-5D	LB-092793-19	9/27/93	511	41.0	0.3	339		
LB-5D	LB-121593-4	12/15/93	522	48.0	0.3	360		
LB-5D	LB-032894-13	3/28/94	553	47.0	0.4	349		
LB-5D	LB-062194-3	6/21/94	447	44.0	0.4	359		
LB-5D	LB-090694-4	9/6/94	529	45.0	0.4	364		
LB-5D	LB-121394-8	12/13/94	509	46.0	0.4	364		
LB-5D	LB-030995-04	3/9/95	486	46.0	0.3	364		
LB-5D	LB-61995-7	6/19/95	511	46.0	0.4	345		
LB-5D	LB-092195-9	9/21/95	571	43.0	0.2 L	350		
LB-5D	LB-121895-2	12/18/95	541	44.0	0.4	354		
LB-5D	LB-031996-9	3/19/96	570	41.0	0.3	321		
LB-5D	LB-061896-8	6/18/96	473	42.0	0.3	369		
LB-5D	LB-031997-9	3/19/97	419	38.0	0.3	355	0.03	0.005 L
LB-5D	LB-031998-6	3/19/98	541	33.8	0.2 L	319	0.02	0.005 L
LB-5D	LB-031899-11	3/18/99	419	32.6	0.4	332	0.02	0.005 L
LB-5D	LB-031600-5	3/16/00	411	26.4	0.3	292	0.02 L	0.005 L
LB-5D	LB-031401-11	3/14/01		25.1	0.3	278	0.02 L	0.005 L
LB-5D	LB-031902-13	3/19/02		23.0	0.5	269	0.02 L	0.005 L
LB-5D	LB-031303-9	3/13/03		20.0	0.8	256	0.02 L	0.005 L
LB-5D	LB-022504-7	2/25/04		18.0	0.6	276	0.02 L	0.005 L
LB-5D (Dup)	LB-022504-8	2/25/04		18.0	0.6	296	0.08	0.005 L
LB-5D	LB030805-1	3/8/05		16.7	1.1	282	0.02 L	0.005 L
LB-5D	LB-031606-14	3/16/06		17.0	0.6	324	0.03	0.005 L
LB-5D (Dup)	LB-031606-15	3/16/06		16.9	0.6	344	0.02 L	0.005 L
LB-5D	LB-030507-7	3/5/07		13.7	0.7	249	0.02 L	0.005 L
LB-5D	LB-031908-2	3/19/08		13.3	1.0	242	0.02 L	0.005 L
LB-5D (Dup)	LB-031908-3	3/19/08		13.3	1.0	225	0.02 L	0.005 L
LB-5D	LB-5D	3/17/09		13.0	1.2	209	0.02 L	0.005 L
LB-5D	LB-5D032410	3/24/10		11.3	1.7	228	0.02 L	0.005 L
LB-5D	LB-5D	3/23/11	328	10.8	0.78	238	0.025 L	0.002 L
LB-5S	LB-05S	5/26/87	152	6.0	2.4		0.07	0.007
LB-5S	LB-05S	7/19/87		4.0	2.7		0.05 L	0.005 L
LB-5S	LB-05S	9/10/87		4.0	1.7		0.05 L	0.01 L
LB-5S	LB-05S	11/11/87		6.3	1.9		0.05 L	0.01 L
LB-5S	LB-05S	2/10/88	149	5.0	2.7		0.05 L	0.01 L
LB-5S	LB-390-W17	3/15/90	156	4.8	4.9	184		
LB-5S	LB-690-W13	6/20/90	161	5.0	4.8	153		
LB-5S	LB-990-W14	9/18/90	192	6.1	6.1	202		
LB-5S	LB-1290-W25	12/14/90	207	7.4	5.8	148		
LB-5S	LB-391-W17	3/21/91	1410	4.4	4.0	704		
LB-5S	LB-691-W16	6/26/91	168	4.4	3.4	175		

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-5S	LB-991-09	9/25/91	211	6.8	7.7	161		
LB-5S	LB-1291-10	12/20/91	126	2.7	2.9	122		
LB-5S	LB-392-04	3/19/92	160	4.3	4.1	142		
LB-5S	LB-63092-3	6/30/92	179	5.1	5.7	183		
LB-5S	LB-91892-1	9/18/92	182	5.5	6.1	181		
LB-5S	LB-121092-10	12/10/92	170	6.3	6.5			
LB-5S	LB-031193-11	3/11/93	181	7.0	5.4	175		
LB-5S	LB-060293-7	6/2/93	195	7.6	5.0	173		
LB-5S	LB-092793-18	9/27/93	170	4.8	4.5	147		
LB-5S	LB-121593-3	12/15/93	162	4.9	3.9	152		
LB-5S	LB-032894-12	3/28/94	154	4.9	4.6	148		
LB-5S	LB-062194-2	6/21/94	163	5.6	5.0	176		
LB-5S	LB-090694-3	9/6/94	167	4.7	4.1	159		
LB-5S	LB-121394-9	12/13/94	95	2.6	1.7	114		
LB-5S	LB-030995-03	3/9/95	141	6.6	3.5	147		
LB-5S	LB-061995-6	6/19/95	201	5.7	3.8	168		
LB-5S	LB-092195-8	9/21/95	596	7.1	5.0	184		
LB-5S	LB-121895-1	12/18/95	111	1.8	1.3	114		
LB-5S	LB-031996-7	3/19/96	223	6.0	4.4	170		
LB-5S	LB-061896-7	6/18/96	174	8.5	3.1	175		
LB-5S	LB-031997-8	3/19/97	177	7.5	5.3	184	0.02	0.005 L
LB-5S	LB-031998-5	3/19/98	229	9.1	7.1	183	0.04	0.005 L
LB-5S	LB-031899-10	3/18/99	162	4.9	5.5	164	0.02 L	0.005 L
LB-5S	LB-031600-4	3/16/00	237	4.0	6.2	194	0.02 L	0.005 L
LB-5S	LB-031401-12	3/14/01		4.3	4.7	159	0.02 L	0.005 L
LB-5S	LB-092001-1	9/20/01		4.3	3.8	176	0.02 L	0.005 L
LB-5S	LB-031902-12	3/19/02		3.1	2.7	137	0.02 L	0.005 L
LB-5S	LB-091802-06	9/17/02		6.0	6.0	185	1.26	0.03
LB-5S	LB-031303-8	3/13/03		4.1	3.7	138	0.02 L	0.005 L
LB-5S	LB-092203-1	9/22/03		4.6	4.4	180	9.52	0.22
LB-5S	LB-022504-9	2/25/04		4.0	2.7	159	14.80	0.407
LB-5S	LB-090104-5	9/1/04		4.1	3.3	168	0.02 L	0.005 L
LB-5S	LB030805-2	3/8/05		4.2	3.8	182	0.21	0.005 L
LB-5S (Dup)	LB030805-3	3/8/05		4.0	3.6	186	0.05	0.005 L
LB-5S	LB-091405-4	9/14/05		4.5	4.5	204	0.75	0.005 L
LB-5S	LB-031606-16	3/16/06		3.5	3.6	192	0.02 L	0.005 L
LB-5S	LB-091206-1	9/12/06		4.1	4.5	203	0.02 L	0.005 L
LB-5S	LB-030507-6	3/5/07		3.6	4.5	169	0.02 L	0.005 L
LB-5S	LB-091907-3	9/19/07		4.4	5.5	191	0.02 L	0.005 L
LB-5S	LB-031908-1	3/19/08		4.9	5.2	186	0.14	0.005 L
LB-5S	LB-091608-2	9/16/08		5.1	4.7	147	0.076	0.005 L
LB-5S (Dup)	LB-091608-8	9/16/08		5.0	4.5	168	0.02 L	0.005 L
LB-5S	LB-5S	3/17/09		6.1	5.3	159	0.092	0.005 L
LB-5S	LBLF5S091109	9/11/09		4.42	3.91	164	0.707	0.0157

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-5S	LB-5S032410	3/24/10		7.30	4.09	163	0.020 L	0.005 L
LB-5S (Dup)	LBDUP2032410	3/24/10		5.61	3.31	151	0.020 L	0.005 L
LB-5S	LB5S092310	9/23/10		3.86	4.58	158	0.020 L	0.005 L
LB-5S (Dup)	LB5S1092310	9/23/10		3.91	4.61	151	0.020 L	0.005 L
LB-5S	LB-5S	3/23/11	222	5.07	5.15	184	0.025 L	0.002 L
LB-5S	LB-090811-06	9/8/11		7.08	6.19	210	0.025 L	0.002 L
LB-6S	LB-06S	7/17/87		18.0	2.5		0.05 L	0.012
LB-6S	LB-06S	9/10/87			1.0		0.05 L	0.01 L
LB-6S	LB-06S	11/11/87		28.0	0.7		0.05 L	0.01 L
LB-6S	LB-06S	2/12/88	692	35.0	1.1		0.05 L	0.06
LB-6S	LB-06S	6/22/88	502	18.0	2.1		0.05 L	0.05 L
LB-6S	LB-06S	8/31/88	586	27.0	2.0		0.05 L	0.01 L
LB-6S	LB-06S	12/6/88	594	21.0	0.7		0.02	0.073
LB-6S	LB-289-W13	3/1/89	655	28.0	2.5			
LB-6S	LB-289-W17	3/1/89					0.01	0.01 L
LB-6S	LB-589-W17	5/24/89	560	20.0	6.1		0.05 L	0.01 L
LB-6S	LB-989-W07	9/7/89	500	32.0	1.0		0.02 L	0.026
LB-6S	LB-1289-W13	12/15/89	680	34.0	0.6	462	0.02	0.078
LB-6S	LB-390-W24	3/15/90	616	17.0	2.3	376	0.03	0.923
LB-6S	LB-690-W22	6/21/90	597	24.0	1.1	401	0.02 L	0.039
LB-6S	LB-990-W11	11/21/90	713	31.1	0.8	604	0.02	0.35
LB-6S	LB-1290-W13	12/12/90	678	33.5	0.4	494	0.02 L	0.14
LB-6S	LB-391-W16	3/20/91	711	21.4	2.2	440	0.03 L	1.39
LB-6S	LB-691-W19	6/26/91	696	24.2	1.9	386	0.04 L	0.009
LB-6S	LB-691-W20	6/26/91	706	23.1	1.8	375	0.04 L	0.011
LB-6S	LB-991-14	9/25/91	676	28.2	0.8	392	0.02 L	0.017
LB-6S	LB-991-15	9/25/91	629	13.5	1.1	397		
LB-6S	LB-1291-08	12/20/91	621	21.4	0.9	403	0.04 B	0.005 L
LB-6S	LB-1291-09	12/20/91	634	22.2	0.9	400	0.03 B	0.005 L
LB-6S	LB-392-07	3/20/92	497	16.0	2.8	333	0.02 L	0.537
LB-6S	LB-392-08	3/20/92	539	19.0	2.3	348	0.02 L	0.546
LB-6S	LB-62692-5	6/26/92	631	26.0	2.5	404	0.03	0.026
LB-6S	LB-62692-6	6/26/92	620	26.0	2.3	400	0.03	0.029
LB-6S	LB-92192-4	9/21/92	735	29.0	0.7	444	0.02	0.077
LB-6S	LB-92192-5	9/21/92	731	28.0	0.7	453	0.02	0.066
LB-6S	LB-12992-4	12/9/92	760	33.0	0.7	439	0.02 L	0.144
LB-6S	LB-12992-5	12/9/92	736	30.0	0.7	435	0.02 L	0.142
LB-6S	LB-030193-7	3/10/93	592	20.0	2.6	369	0.02 L	0.114
LB-6S	LB-030193-8	3/10/93	625	22.0	2.2	386	0.02 L	0.106
LB-6S	LB-060393-11	6/3/93	517	17.0	2.5	328	0.03	0.018
LB-6S	LB-060393-12	6/3/93	467	13.0	2.9	302	0.02 L	0.019
LB-6S	LB-092493-13	9/24/93	529	19.0	3.7	328	0.02 L	0.025
LB-6S	LB-121593-6	12/15/93	580	27.0	2.1	393	0.02	0.077

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-6S	LB-032994-18	3/29/94	391	12.0	3.7	256	0.02 L	0.052
LB-6S	LB-032994-19	3/29/94	450	15.0	3.4	306	0.02 L	0.038
LB-6S	LB-062394-11	6/23/94	509	21.0	3.1	347	0.02 L	0.013
LB-6S	LB-062394-12	6/23/94	477	20.0	3.2	358	0.02 L	0.013
LB-6S	LB-090694-5	9/6/94	563	19.0	3.6	366	0.02 L	0.054
LB-6S	LB-090694-6	9/6/94	496	19.0	3.5	360	0.04	0.054
LB-6S	LB-121394-6	12/13/94	475	19.0	3.4	316	0.52	0.124
LB-6S	LB-121394-7	12/13/94	485	19.0	3.4	335	0.20	0.093
LB-6S	LB-031095-10	3/10/95	307	5.3	2.3	217	0.04	0.005 L
LB-6S	LB-031095-11	3/10/95	282	8.2	2.3	196	0.06	0.006
LB-6S	LB-062095-10	6/20/95	397	16.0	4.3	290	0.02 L	0.005 L
LB-6S	LB-062095-9	6/20/95	386	14.0	4.4	234	0.02 L	0.005 L
LB-6S	LB-092095-6	9/20/95	530	20.0	4.3	313	0.02 L	0.005 L
LB-6S	LB-092095-7	9/20/95	518	21.0	4.3	308	0.02	0.005 L
LB-6S	LB-122095-12	12/20/95	407	10.0	3.2	289	0.03	0.005 L
LB-6S	LB-122095-13	12/20/95	448	12.0	3.3	286	0.02 L	0.005 L
LB-6S	LB-031996-5	3/19/96	316	6.2	3.3	222	0.02 L	0.005 L
LB-6S	LB-031996-6	3/19/96	326	5.4	3.6	226	0.02 L	0.005 L
LB-6S	LB-061996-12	6/19/96		21.0	4.0			
LB-6S	LB-061996-13	6/19/96	451	23.0	3.8	320	0.03	0.005 L
LB-6S	LB-091896-12	9/18/96	426	22.0	2.4	280	0.02 L	0.005 L
LB-6S	LB-121796-3	12/17/96	460	20.0	1.5	312	0.02 L	0.005 L
LB-6S	LB-031997-7	3/19/97	360	26.0	3.8	318	0.03	0.005 L
LB-6S	LB-061797-6	6/17/97	578	30.0	1.3	349	0.02	0.005 L
LB-6S	LB-091697-3	9/16/97	436	28.6	1.3	364	0.02 L	0.005 L
LB-6S	LB-121797-14	12/17/97	516	22.5	3.2	340	0.16	0.005 L
LB-6S	LB-031998-7	3/19/98	628	22.6	4.9	388	0.03	0.005 L
LB-6S	LB-061698-7	6/16/98	422	30.8	2.6	375	0.02 L	0.005 L
LB-6S	LB-091798-5	9/17/98	625	22.0	3.5	372	0.03	0.005 L
LB-6S	LB-121798-1	12/17/98	519	28.0	5.1	407	0.03	0.005 L
LB-6S	LB-031799-2	3/17/99	521	25.1	3.7	389	0.03	0.005 L
LB-6S	LB-062399-11	6/23/99	443	20.6	2.1	323	0.03	0.005 L
LB-6S	LB-091699-5	9/16/99	557	26.1	3.0	350	0.03	0.005 L
LB-6S	LB-121599-11	12/15/99	518	23.8	4.9	324	0.02 L	0.005 L
LB-6S	LB-031700-10	3/17/00	397	23.0	4.9	295	0.02 L	0.008
LB-6S	LB-031700-11	3/17/00	407	25.4	5.2	328	0.02 L	0.005 L
LB-6S	LB-061300-6	6/13/00	445	28.4	4.6	318	0.01 B	0.005 L
LB-6S	LB-091200-3	9/12/00	441	29.8	4.2	313	0.02 L	0.005 L
LB-6S	LB-121200-1	12/12/00	578	31.7	3.3	352	0.02 L	0.005 L
LB-6S	LB-121200-2	12/12/00	585	35.5	2.9	338	0.02 L	0.0073
LB-6S	LB-031301-7	3/13/01		36.8	3.0	326	0.02 L	0.006
LB-6S	LB-031301-8	3/13/01		35.9	3.2	352	0.02 L	0.0055
LB-6S	LB-092001-5	9/20/01		19.0	3.3	246	0.02 L	0.035
LB-6S	LB-032002-15	3/20/02		17.7	4.3	291	0.02 L	0.005 L
LB-6S	LB-032002-16	3/20/02		21.1	4.4	305	0.02 L	0.005 L

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Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-6S	LB-091802-02	9/17/02		16.0	5.0	302	0.02 L	0.005 L
LB-6S	LB-091802-03	9/17/02		16.0	5.0	306	0.02 L	0.005 L
LB-6S	LB-031303-21	3/13/03		26.0	2.9	348	0.02 L	0.005 L
LB-6S	LB-092203-5	9/22/03		11.9	2.7	274	0.13	0.014
LB-6S	LB-022604-18	2/26/04		13.4	2.7	284	0.02 L	0.005 L
LB-6S	LB-090104-6	9/1/04		9.6	2.1	268	0.02 L	0.005 L
LB-6S	LB030805-9	3/8/05		13.0	1.6	328	0.02 L	0.017
LB-6S	LB-091405-6	9/14/05		9.3	2.1	254	0.02 L	0.005 L
LB-6S	LB-031506-13	3/15/06		5.1	2.4	132	0.02 L	0.005 L
LB-6S	LB-091206-4	9/12/06		6.9	2.9	228	0.02 L	0.005 L
LB-6S	LB-030507-12	3/5/07		5.6	2.7	238	0.02 L	0.005 L
LB-6S	LB-091907-6	9/19/07		7.1	1.7	245	0.297	0.0369
LB-6S	LB-031908-9	3/19/08		6.1	2.9	240	0.029	0.005 L
LB-6S	LB-091608-3	9/16/08		5.7	1.4	222	0.02 L	0.005 L
LB-6S	LB-6S	3/18/09		5.2	2.2	194	0.02 L	0.005 L
LB-6S	LBLF6S091109	9/11/09		6.72	2.82	244	0.061	0.0059
LB-6S (Dup)	LBLFDUP1091109	9/11/09		6.89	2.83	220	0.035	0.005 L
LB-6S	LB-6S032310	3/23/10		6.64	3.53	194	0.024	0.005 L
LB-6S	LB6S092310	9/23/10		5.67	2.60	192	0.379	0.031
LB-6S	LB-6S	3/22/11	248	6.29	2.79	218 H	0.025 L	0.00218
LB-6S (Dup)	DUP1	3/22/11	266	7.05	2.90	229 H	0.025 L	0.002 L
LB-6S	LB-090711-05	9/7/11		9.09	0.73	178	0.025 L	0.002 L
LB-6S (Dup)	LB-090711-04	9/7/11		8.97	0.73	177	0.025 L	0.002 L
LB10-DR	LB-031005-19	3/10/05		26.8	0.7	428	1.03	0.879
LB10-DR (Dup)	LB-031005-20	3/8/05		27.0	0.7	432	0.93	0.771
LB10-DR	LB-031406-5	3/14/06		31.3	0.6	492	0.763	0.417
LB10-DR	LB-030607-20	3/6/07		24.9	0.9	332	0.022	0.197
LB10-DR	LB-032408-22	3/24/08		28.3	0.8	320	0.02 L	0.155
LB10-DR	LB-10D	3/17/09		26.8	1.0	286	0.032	0.0677
LB10-DR	LB10-DR032310	3/23/10		23.9	1.1	295	0.047	0.0320
LB-10DR	LB-10DR	3/29/11	479	26.0	1.27	329	0.025 L	0.00696
LB10-SR	LB031005-21	3/10/05		3.8	9.8	272	0.13	2.050
LB10-SR	LB-091505-7	9/15/05		4.6	6.5	506	1.04	0.0187
LB10-SR	LB-031406-6	3/14/06		4.8	2.6	116	0.02 L	0.006
LB10-SR	LB-091306-9	9/13/06		13.5	0.7	298	0.02 L	0.005 L
LB10-SR	LB-030607-19	3/6/07		3.6	1.2	105	0.02 L	0.006
LB10-SR	LB-091907-7	9/19/07		14.3	1.1	297	0.02 L	0.005 L
LB10-SR	LB-032408-21	3/24/08		6.3	0.9	202	0.02 L	0.005 L
LB10-SR	LB-091608-4	9/16/08		6.1	2.5	225	0.02 L	0.005 L
LB10-SR	LB-10S	3/17/09		10.0	2.3	216	0.02 L	0.005 L
LB10-SR (Dup)	Dup-1	3/17/09		10.6	2.3	207	0.02 L	0.005 L
LB10-SR	LBLF10S091190	9/11/09		5.55	5.13	233	1.15	0.0138
LB10-SR	LB10-SR032310	3/23/10		8.53	5.97	196	0.02 L	0.005 L
LB10-SR	LB10S092310	9/23/10		3.90	2.80	176	0.02 L	0.005 L

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-10SR	LB-10SR	3/29/11	341	15.30	1.53	270	0.025 L	0.002 L
LB-10SR (Dup)	DUP2	3/29/11	341	15.30	1.57	270	0.025 L	0.002 L
LB-10SR	LB-090811-08	9/8/11		17.70	1.15	251	0.025 L	0.0021
LB-13D	LB-989-W20	9/13/89	199	6.0	4.0	244	0.02 L	0.05
LB-13D	LB-1089-W15	10/19/89	200	6.5	4.5	197	0.05 L	0.028
LB-13D	LB-1189-W20	11/16/89	176	6.0	4.7	91	0.02	0.014
LB-13D	LB-1289-W18	12/18/89	210	5.0	4.7	134	0.02 L	0.007
LB-13D	LB-390-W18	3/15/90	244	8.2	4.9	206	0.02 L	0.005 L
LB-13D	LB-690-W20	6/21/90	235	6.8	4.9	242	0.02 L	0.005 L
LB-13D	LB-990-W17	9/18/90	230	6.9	4.9	225	0.02	0.005 L
LB-13D	LB-1290-W20	12/13/90	238	6.8	4.8	160	0.02 L	0.005 L
LB-13D	LB-391-W15	3/20/91	241	6.4	4.8	179	0.03 L	0.005 L
LB-13D	LB-691-W22	6/26/91	314	6.3	4.4	258		
LB-13D	LB-991-13	9/25/91	248	6.1	5.0	183		
LB-13D	LB-1291-19	12/23/91	243	5.1	4.9	186		
LB-13D	LB-392-19	3/24/92	246	5.9	4.9	190		
LB-13D	LB-7292-2	7/2/92	239	5.7	4.8	194		
LB-13D	LB-91792-2	9/17/92	240	5.3	4.5	190		
LB-13D	LB-121092-9	12/10/92	240	6.2	5.1	179		
LB-13D	LB-031293-20	3/12/93	245	6.0	4.6	180		
LB-13D	LB-060493-21	6/4/93	238	6.1	4.4	182		
LB-13D	LB-092393-7	9/23/93	240	5.8	4.3	178		
LB-13D	LB-121693-12	12/16/93	220	6.1	4.9	193		
LB-13D	LB-032894-17	3/28/94	242	6.2	4.8	188		
LB-13D	LB-052894-20	6/28/94	220	6.0	4.8	186		
LB-13D	LB-090794-10	9/7/94	217	5.8	5.5	191		
LB-13D	LB-121594-21	12/15/94	216	6.3	5.3	176		
LB-13D	LB-031395-18	3/13/95	222	6.0	5.2	170		
LB-13D	LB-062195-19	6/21/95	239	6.5	5.7	205		
LB-13D	LB-092295-16	9/22/95	299	6.5	5.8	165		
LB-13D	LB-121995-8	12/19/95	249	6.9	6.4	185		
LB-13D	LB-032096-15	3/20/96	262	6.6	6.8	200		
LB-13D	LB-032096-16	3/20/96	253	6.6	6.7	178		
LB-13D	LB-061996-16	6/19/96	267	7.0	7.1	224		
LB-13D	LB-091796-4	9/17/96	261	7.8	7.2	201	0.02 L	0.005 L
LB-13D	LB121796-9	12/17/96	312	9.9	7.4	223	0.02 L	0.005 L
LB-13D	LB-032097-18	3/20/97	241	9.8	0.2 L	217	0.02 L	0.005 L
LB-13D	LB-061897-15	6/18/97	305	8.8	7.1	223	0.02 L	0.005 L
LB-13D	LB-091897-11	9/18/97	310	8.8	8.1	246	0.02 L	0.005 L
LB-13D	LB-121797-9	12/17/97	239	8.3	8.0	133	0.02	0.005 L
LB-13D	LB-032098-19	3/20/98	296	7.8	7.9	207	0.05 B	0.005 L
LB-13D	LB-061798-14	6/17/98	242	7.6	8.4	210	0.02 L	0.005 L
LB-13D	LB-091898-15	9/18/98	277	7.0	7.8	172	0.02 L	0.005 L
LB-13D	LB-121898-12	12/18/98	223	7.1	8.1	245	0.02	0.005 L

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-13D	LB-031999-23	3/19/99	219	6.5	7.6	207	0.02	0.005 L
LB-13D	LB-062399-12	6/23/99	222	6.7	7.6	198	0.02	0.005 L
LB-13D	LB-091799-13	9/17/99	246	7.2	7.5	176	0.02 L	0.005 L
LB-13D	LB-121499-3	12/14/99	243	6.3	7.4	161	0.02 L	0.005 L
LB-13D	LB-031700-18	3/17/00	210	6.0	6.8	200	0.02 L	0.005 L
LB-13D	LB-061400-10	6/14/00	215	5.9	7.8	222	0.02 L	0.005 L
LB-13D	LB-091300-11	9/13/00	231	6.0	7.5	204	0.02 L	0.005 L
LB-13D	LB-121500-12	12/15/00	233	5.2	7.5	165	2.06	0.0053
LB-13D	LB-031501-19	3/15/01		5.2	7.1	170	0.02 L	0.005 L
LB-13D	LB-032002-20	3/20/02		5.0	6.3	174	0.02 L	0.005 L
LB-13D	LB-031303-16	3/13/03		4.3	5.8	224	0.02 L	0.005 L
LB-13D	LB-022404-3	2/24/04		4.0	5.2	179	0.02 L	0.005 L
LB-13D	LB-031005-17	3/10/05		3.8	4.9	190	0.02	0.005
LB-13D	LB-031506-9	3/15/06		3.4	4.6	115	0.02 L	0.005 L
LB-13D	LB-030607-18	3/6/07		3.6	5.0	118	0.02 L	0.005 L
LB-13D	LB-032008-13	3/20/08		3.6	4.8	190	0.02 L	0.005 L
LB-13D	LB-13-D	3/17/09		4.0	5.1	148	0.02 L	0.005 L
LB-13D	LB-13D032410	3/24/10		3.59	5.4	167	0.02 L	0.005 L
LB-13D	LB-13D	3/25/11	214	4.36	5.3	193	0.025 L	0.002 L
LB-13I	LB-989-W22	9/13/89	600	28.0	1.4	402	0.02 L	0.017
LB-13I	LB-989-W23	9/13/89	576	28.0	1.3	478	0.02 L	0.013
LB-13I	LB-1089-W17	10/17/89	600	33.0	1.3	460	0.05 L	0.012
LB-13I	LB-1189-W17	11/16/89	530	31.0	1.2	404	0.04	0.091
LB-13I	LB-1289-W16	12/18/89	596	34.0	0.8	377	0.02	0.009
LB-13I	LB-390-W19	3/15/90	704	40.0	0.2 L	462	0.02	0.009
LB-13I	LB-690-W19	6/21/90	695	38.4	0.3	481	0.02 L	0.018
LB-13I	LB-990-W16	9/18/90	703	40.5	0.6	491	0.02	0.012
LB-13I	LB-1290-W21	12/13/90	629	36.9	0.6	433	0.02 L	0.01
LB-13I	LB-391-W14	3/20/91	740	43.4	0.4	486	0.03 L	0.012
LB-13I	LB-691-W21	6/26/91	738	26.6	0.9	454	0.04 L	0.018
LB-13I	LB-991-12	9/25/91	765	35.3	0.6	444	0.02	0.016
LB-13I	LB-1291-18	12/23/91	707	32.9	0.2 L	347	0.10	0.047
LB-13I	LB-392-20	3/24/92	661	33.0	0.2 L	422	0.02 L	0.017
LB-13I	LB-7292-1	7/2/92	659	37.0	0.2 L	402	1.16	0.039
LB-13I	LB-91792-1	9/17/92	680	31.0	0.6	429	0.48	0.025
LB-13I	LB-121092-8	12/10/92	687	33.0	0.8	393	0.02 L	0.014
LB-13I	LB-031293-19	3/12/93	681	27.0	0.9	410	0.02 L	0.014
LB-13I	LB-060493-20	6/4/93	620	23.0	1.5	376	0.02 L	0.016
LB-13I	LB-092393-6	9/23/93	568	20.0	1.5	339	0.05	0.017
LB-13I	LB-121693-14	12/16/93	511	21.0	1.8	352	0.03	0.12
LB-13I	LB-032894-16	3/28/94	590	22.0	2.2	364	0.02 L	0.017
LB-13I	LB-052894-19	6/28/94	430	22.0	0.6	309	0.02 L	0.013
LB-13I	LB-090794-9	9/7/94	418	22.0	0.8	329	0.21	0.14
LB-13I	LB-121594-20	12/15/94	453	21.0	2.6	339	0.04	0.017

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-13I	LB-031395-17	3/13/95	468	17.0	3.1	287	0.02	0.014
LB-13I	LB-061996-15	6/19/95					0.03	0.005 L
LB-13I	LB-052195-18	6/21/95	424	18.0	2.5	289	0.02 L	0.014
LB-13I	LB-092295-15	9/22/95	469	18.0	0.9	248	0.02	0.012
LB-13I	LB-121995-7	12/19/95	463	18.0	3.6	193	0.02 L	0.005 L
LB-13I	LB-032096-14	3/20/96	477	20.0	0.9	349	0.02	0.01
LB-13I	LB-061996-15	6/19/96	549	29.0	1.3	371	0.03 L	0.005 L
LB-13I	LB-091796-3	9/17/96	548	37.0	0.2 L	348	0.02 L	0.01
LB-13I	LB121796-10	12/17/96	708	52.0	0.2 L	418	0.02 L	0.013
LB-13I	LB-032097-19	3/20/97	579	70.0	0.2 L	458	0.02	0.014
LB-13I	LB-061897-14	6/18/97	729	63.0	0.2 L	462	0.03	0.019
LB-13I	LB-091897-12	9/18/97	814	68.1	0.2 L	514	0.02	0.021
LB-13I	LB-121797-8	12/17/97	578	63.0	0.2 L	444	0.03	0.021
LB-13I	LB-032098-18	3/20/98	695	58.8	0.3	428	0.02 L	0.02
LB-13I	LB-061798-15	6/17/98	624	66.4	0.2 L	444	0.03	0.02
LB-13I	LB-091898-14	9/18/98	763	62.4	0.3	394	0.03	0.022
LB-13I	LB-121898-11	12/18/98	616	32.4	3.2	464	0.04	0.022
LB-13I	LB-031999-22	3/19/99	582	51.1	0.5	457	0.03	0.022
LB-13I	LB-062399-13	6/23/99	576	44.7	0.3	389	0.02	0.02
LB-13I	LB-091799-12	9/17/99	626	44.6	0.2	383	0.03	0.021
LB-13I	LB-121499-4	12/14/99	637	29.2	2.6	357	0.02 L	0.022
LB-13I	LB-121499-5	12/14/99	634	30.0	2.6	378	0.02 L	0.022 L
LB-13I	LB-031700-17	3/17/00	552	28.1	0.8	392	0.02 L	0.02
LB-13I	LB-061400-9	6/14/00	525	29.3	0.5	372	0.02 L	0.02
LB-13I	LB-091300-12	9/13/00	680	42.7	2.7	417	0.02 L	0.0246
LB-13I	LB-121500-11	12/15/00	577	30.0	3.5	306	0.02 L	0.0284
LB-13I	LB-031501-20	3/15/01		26.1	3.4	318	0.02 L	0.0252
LB-13I	LB-092001-8	9/20/01		12.9	3.3	241	0.02 L	0.023
LB-13I	LB-032002-19	3/20/02		10.2	4.7	219	0.02 L	0.016
LB-13I	LB-091802-07	9/17/02		22.0	6.0	292	0.31	0.042
LB-13I	LB-031303-15	3/13/03		13.2	3.4	168	0.22	0.039
LB-13I	LB-092203-7	9/22/03		13.7	2.9	272	0.15	0.052
LB-13I	LB-022404-4	2/24/04		9.8	2.4	232	0.09	0.028
LB-13I	LB-090104-13	9/1/04		7.0	1.8	232	0.03	0.024
LB-13I	LB031005-18	3/10/05		7.2	2.7	232	0.02 L	0.006
LB-13I	LB-091505-9	9/15/05		5.8	3.8	202	0.03	0.014
LB-13I	LB-031506-10	3/15/06		4.9	4.2	152	0.02 L	0.007
LB-13I	LB-091306-8	9/13/06		5.4	4.0	182	0.02 L	0.006
LB-13I	LB-030607-17	3/5/07		5.5	3.2	170	0.02 L	0.006
LB-13I	LB-091907-8	9/19/07		5.6	2.9	260	0.02 L	0.005 L
LB-13I	LB-032008-12	3/20/08		6.6	3.4	207	0.02 L	0.0054
LB-13I	LB-091608-5	9/16/08		7.0	3.9	193	0.02 L	0.005 L
LB-13I	LB-13I	3/17/09		6.9	4.3	186	0.02 L	0.005 L
LB-13I	LBLF13i091109	9/11/09		6.06	4.82	192	0.02 L	0.005 L
LB-13I	LB-13I032410	3/24/10		5.53	5.21	193	0.02 L	0.005 L

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-13I	LB13I092310	9/23/10		5.24	5.31	196	0.02 L	0.005 L
LB-13I	LB-13I	3/23/11	270	5.56	4.58	202	0.025 L	0.00296
LB-13I	LB-090711-02	9/7/11		5.99	4.53	204	0.025 L	0.002 L
LB-17D	LB-989-W08	9/7/89	640	46.0	0.2 L	518	0.33	9.73
LB-17D	LB-1089-W10	10/18/89	780	58.0	0.2 L	492	0.24	10.6
LB-17D	LB-1089-W11	10/18/89	780	60.0	0.2 L	508	0.25	10.7
LB-17D	LB-1189-W12	11/15/89	644	70.0	0.2 L	479	0.02 L	10.9
LB-17D	LB-1189-W13	11/15/89	682	70.0	0.2 L	465	0.32	10.8
LB-17D	LB-1289-W28	12/20/89	740	68.0	0.2 L	532	0.33	10.8
LB-17D	LB-390-W21	3/15/90	918	70.8	0.2 L	566	0.36	11.4
LB-17D	LB-390-W22	3/15/90	922	71.0	0.2 L	594	0.35	11.5
LB-17D	LB-690-W18	6/21/90	843	59.6	0.2 L	540	0.30	11
LB-17D	LB-990-W19	9/19/90	839	65.2	0.2 L	577	0.33	11.4
LB-17D	LB-990-W20	9/19/90	895	66.2	0.2 L	575	0.30	11.4
LB-17D	LB-1290-W23	12/14/90	945	65.6	0.2 L	538	0.19	11.3
LB-17D	LB-391-W19	3/21/91	870	56.2	0.2 L	653	0.21	10.9
LB-17D	LB-391-W21	3/21/91	1060	58.7	0.2 L	530	0.20	10.3
LB-17D	LB-691-W14	6/11/91	786	47.3	0.2 L	423	0.19	10.1
LB-17D	LB-691-W15	6/11/91	812	47.3	0.2 L	441	0.18	10.1
LB-17D	LB-991-10	9/25/91	895	58.5	0.2 L	489	0.26	10.4
LB-17D	LB-991-11	9/25/91	895	58.7	0.2 L	503	0.26	10.5
LB-17D	LB-1291-16	12/23/91	1020	19.6	0.2 L	593	0.44	13.3
LB-17D	LB-1291-17	12/23/91	1010	18.6	0.2 L	586	0.36	13.4
LB-17D	LB-392-11	3/23/92	934	68.0	0.2 L	570	0.34	12.6
LB-17D	LB-392-12	3/23/92	927	69.0	0.2 L	542	0.33	12.5
LB-17D	LB-63092-5	6/30/92	842	58.0	0.2 L	522	0.20	11.6
LB-17D	LB-031093-6	3/10/93	712	52.0	0.2 L	432	0.18	9.57
LB-17D	LB-060493-22	6/4/93	682	44.0	0.2 L	422	0.28	9.41
LB-17D	LB-092793-21	9/27/93	719	48.0	0.2 L	424	0.25	9.54
LB-17D	LB-121593-7	12/15/93	769	59.0	0.2 L	461	0.25	9.86
LB-17D	LB-032994-20	3/29/94	695	51.0	0.2 L	425	0.25	9.75
LB-17D	LB-062394-14	6/23/94	646	43.0	0.1	401	0.20	8.21
LB-17D	LB-090794-7	9/7/94	659	39.0	0.3	390	0.17	8.57
LB-17D	LB-121494-10	12/14/94	534	41.0	0.2 L	367	0.24	8.45
LB-17D	LB-030995-05	3/9/95	511	36.0	0.2 L	366	0.21	7.62
LB-17D	LB-062095-11	6/20/95	595	44.0	1.8	377	0.20	8.37
LB-17D	LB-092095-10	9/20/95	854	55.0	0.2 L	416	0.25	9.96
LB-17D	LB-121895-3	12/18/95	611	52.0	0.2 L	394	0.25	8.75
LB-17D	LB-031996-11	3/19/96	662	43.0	0.2 L	342	0.27	8.63
LB-17D	LB-061996-14	6/19/96	593	47.0	0.2 L	387	0.22	8.59
LB-17D	LB-032097-16	3/20/97	512	50.0	0.2 L	345	0.20	7.63
LB-17D	LB-031998-14	3/19/98	540	37.2	0.2 L	340	0.25	7.09
LB-17D	LB-031899-13	3/18/99	390	19.2	0.3	304	0.17	5.62
LB-17D	LB-031600-7	3/16/00	363	16.0	0.2 L	246	0.13	4.98
LB-17D	LB-031401-9	3/14/01		12.5	0.2 L	243	0.07	4.47

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-17D	LB-031902-07	3/19/02		9.4	0.2 L	192	0.02 L	3.89
LB-17D	LB-031203-7	3/12/03		10.3	0.2 L	226	0.07	4.05
LB-17D	LB-022504-10	2/25/04		10.9	0.2 L	208	0.06	3.76
LB-17D	LB-030905-10	3/9/05		10.3	0.2 L	264	0.06	3.70
LB-17D	LB-031506-7	3/15/06		8.8	0.2 L	184	0.07	3.71
LB-17D	LB-030607-14	3/6/07		11.0	0.1 L	155	0.08	3.93
LB-17D (Dup)	LB-030607-15	3/6/07		11.0	0.1 L	141	0.10	3.98
LB-17D	LB-032008-11	3/20/08		10.1	0.1 L	205	0.078	4.04
LB-17D	LB-17D	3/18/09		7.8	0.1 L	190	0.082	3.57
LB-17D	LB-17D032410	3/24/10		5.8	0.1 L	185	0.090	3.66
LB-17D	LB-17D	3/22/11	277	7.97	0.1 L	209 H	0.0623	3.38
LB-17I	LB-989-W04	9/6/89	1020	85.0	0.2 L	770	45.70	13.3
LB-17I	LB-1089-W14	10/19/89	1080	125.0	0.2 L	692	46.00	10.1
LB-17I	LB-1189-W14	11/15/89	872	115.0	0.2 L	613	41.50	8.07
LB-17I	LB-1289-W29	12/20/89	920	90.0	0.2	585	36.50	7.67
LB-17I	LB-1289-W30	12/20/89	910	90.0	0.2	591	34.70	8
LB-17I	LB-390-W20	3/15/90	724	26.9	0.2 L	484	29.30	4.01
LB-17I	LB-690-W17	6/21/90	1140	96.0	0.2 L	766	48.50	6.74
LB-17I	LB-990-W18	9/19/90	1090	92.0	0.2 L	710	37.30	8.09
LB-17I	LB-1290-W22	12/13/90	967	38.4	0.2 L	666	41.50	7.17
LB-17I	LB-391-W20	3/21/91	1240	36.6	0.2 L	663	46.40	6.14
LB-17I	LB-392-13	3/23/92	1010	40.0	0.2 L	545	45.90	3.86
LB-17I	LB-63092-6	6/30/92	1210	71.0	0.2 L	708	56.20	6.5
LB-17I	LB-63092-7	6/30/92	1230	71.0	0.2 L	697	56.50	6.49
LB-17I	LB-91892-3	9/18/92	1290	71.0	0.2 L	746	58.60	7.88
LB-17I	LB-91892-4	9/18/92	1380	74.0	0.2 L	781	59.90	7.73
LB-17I	LB-121192-18	12/11/92	1030	61.0	0.2 L	562	31.20	8.34
LB-17I	LB-121192-19	12/11/92	1040	62.0	0.2 L	544	31.30	8.51
LB-17I	LB-031093-5	3/10/93	896	51.0	0.2 L	501	32.30	7.34
LB-17I	LB-032994-21	3/29/94	719	35.0	0.2 L	450	25.90	4.89
LB-17I	LB-030995-06	3/9/95	562	27.0	0.2 L	361	21.00	3.58
LB-17I	LB-031996-10	3/19/96	869	48.0	0.2 L	484	27.00	1.82
LB-17I	LB-032097-17	3/20/97	557	56.0	0.2 L	366	16.60	1.08
LB-17I	LB-031998-13	3/19/98	464	30.8	0.2 L	284	14.00	0.913
LB-17I	LB-031899-12	3/18/99	418	18.4	0.2	297	14.40	0.987
LB-17I	LB-031600-6	3/16/00	304	12.8	0.2 L	220	8.90	0.776
LB-17I	LB-031401-10	3/14/01		13.6	0.2 L	241	8.86	0.918
LB-17I	LB-031902-06	3/19/02		15.8	0.2	252	8.96	1.1
LB-17I	LB-031203-6	3/12/03		18.0	0.2	278	9.99	1.37
LB-17I	LB-022504-11	2/25/04		18.0	0.2 L	242	8.73	1.12
LB-17I	LB-030905-11	3/9/05		21.0	0.2	288	10.80	1.79
LB-17I	LB-031506-8	3/15/06		22.8	0.2 L	344	12.00	1.59
LB-17I	LB-030607-13	3/6/07		24.2	0.1 L	291	11.30	1.51
LB-17I	LB-032008-10	3/20/08		19.2	0.1 L	221	8.5	1.3
LB-17I	LB-17I	3/18/09		10.0	0.1 L	193	6.77	1.12

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-17I	LB-17I032310	3/23/10		11.8	0.1 L	217	8.44	1.52
LB-17I (Dup)	LBDUP1032310	3/23/10		11.7	0.1 L	231	8.41	1.51
LB-17I	LB-17I	3/22/11	498	27.4	0.1 L	306 H	8.95	1.55
LB-20S	LB-991-19	9/26/81					2.81	7.64
LB-20S	LB-1289-W36	12/21/89	600	27.0	0.2 L	470	0.09	2.14
LB-20S	LB-390-W12	3/14/90	1340	45.7	0.2 L	892	2.72	13.4
LB-20S	LB-690-W08	6/19/90	1250	42.6	0.2 L	880	21.70	13.2
LB-20S	LB-690-W09	6/19/90	1220	41.8	0.2 L	832	21.00	13.3
LB-20S	LB-990-W09	9/14/90	844	22.8	0.2 L	574	0.78	6.88
LB-20S	LB-1290-W10	12/12/90	983	4.1	0.2 L	682	0.17	9
LB-20S	LB-1290-W11	12/12/90	988	21.3	0.2 L	708	0.16	9.32
LB-20S	LB-391-W08	3/20/91	667	9.9	0.2 L	374	0.09	5.07
LB-20S	LB-691-W11	6/11/91	960			583	4.16	9.44
LB-20S	LB-991-19	9/26/91				620	2.81	7.64
LB-20S	LB-1291-5	12/19/91	1160			667	0.63	9.69
LB-20S	LB-392-18	3/24/92	778	20.0	0.2 L	485	0.10	7.34
LB-20S	LB-031593-26	3/15/93	713	10.0	0.2 L	411	1.36	5.34
LB-20S	LB-031593-27	3/15/93	720	11.0	0.2 L	415	1.30	5.28
LB-20S	LB-032994-23	3/29/94	753	20.0	0.2 L	464	2.08	6.4
LB-20S	LB-031395-19	3/13/95	933	45.0	0.2	636	0.37	5.45
LB-20S	LB-032096-20	3/20/96	1020	42.0	0.2 L	620	6.06	7.49
LB-20S	LB-032097-15	3/20/97	625	46.0	0.2 L	459	25.60	3.98
LB-20S	LB-032098-23	3/20/98	467	39.0	0.2 L	297	15.90	1.83
LB-20S	LB-031899-16	3/18/99	279	13.8	0.3	210	11.80	1.28
LB-20S	LB-031700-14	3/17/00	279	14.6	0.2	228	10.60	1.53
LB-20S	LB-031401-13	3/14/01		8.8	0.2 L	278	17.30	2.21
LB-20S	LB-032002-14	3/20/02		3.3	0.2	283	2.07	2.09
LB-20S	LB-031303-20	3/13/03		2.4	0.2 L	194	2.99	1.3
LB-20S	LB-022604-19	2/26/04		2.9	0.2 L	236	0.41	1.01
LB-20S	LB-030905-12	3/9/05		3.3	0.2	388	6.79	2.290
LB-20S	LB-031406-4	3/14/06		2.1	0.2 L	148	0.16	0.026
LB-20S	LB-030607-16	3/6/07		7.3	0.1 L	219	0.031	0.967
LB-20S	LB-032408-16	3/24/08		7.9	0.1 L	186	0.08	1.22
LB-20S	LB-20S	3/18/09		9.2	0.1 L	271	0.281	1.48
LB-20S	LB-20S032410	3/24/10		3.0	0.1	237	0.027	0.34
LB-20S	LB-20S	3/24/11	544	22.1	0.1 L	361	0.368	2.20
LB-26D	LB-031193-14	3/11/93	307		4.7	226	0.02 L	0.024
LB-26D	LB-060193-3	6/1/93	290		4.7	226	0.02 L	0.017
LB-26D	LB-092493-12	9/24/93	293		5.3	216	0.02 L	0.009
LB-26D	LB-121693-16	12/16/93	285		5.2	240	0.14	0.007
LB-26D	LB-032594-7	3/25/94	297	8.3	5.7	223	0.02 L	0.007
LB-26D	LB-062294-6	6/22/94	277		5.4	226	0.03	0.005 L
LB-26D	LB-090894-15	9/8/94	296		7.0	228	0.02 L	0.005 L
LB-26D	LB-121394-5	12/13/94	274	8.5	6.5	233	0.15	0.006

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-26D	LB-031095-14	3/10/95	252		6.2	199	0.02 L	0.005 L
LB-26D	LB-061995-2	6/19/95	270		7.4	230	0.02 L	0.005 L
LB-26D	LB-092095-4	9/20/95	338		7.5	218	0.00 L	0.005 L
LB-26D	LB-122095-15	12/20/95	325		8.1	233	0.02 L	0.002 J
LB-26D	LB-031996-2	3/19/96	336		8.7	241	0.02 L	0.005 L
LB-26D	LB-061896-2	6/18/96	281		7.7 J	251	0.02	0.005 L
LB-26D	LB-091896-11	9/18/96	347	10.0	8.1	246	0.02 L	0.005 L
LB-26D	LB121796-4	12/17/96	391	12.0	7.9	272	0.02 L	0.005 L
LB-26D	LB-031997-6	3/19/97	306	14.0	8.4	284	0.03	0.005 L
LB-26D	LB-061797-8	6/17/97	379	12.0	7.6	256	0.02 L	0.005 L
LB-26D	LB-091697-4	9/16/97	307	12.8	8.2	251	0.02 L	0.005 L
LB-26D	LB-121697-6	12/16/97	331	12.0	9.3	244	0.02	0.005 L
LB-26D	LB-031998-9	3/19/98	358	11.8	10.0	251	0.02 L	0.005 L
LB-26D	LB-061698-9	6/16/98	247	11.5	9.2	260	0.02	0.005 L
LB-26D	LB-091798-6	9/17/98	324	10.2	8.8	230	0.02 L	0.005 L
LB-26D	LB-121798-3	12/17/98	264	10.3	9.7	272	0.02 L	0.005 L
LB-26D	LB-031899-6	3/18/99	252	10.7	8.9	241	0.02 L	0.005 L
LB-26D	LB-062399-9	6/23/99	251	9.8	9.3	235	0.02 L	0.005 L
LB-26D	LB-091699-3	9/16/99	282	9.3	9.1	234	0.02 L	0.005 L
LB-26D	LB-121599-9	12/15/99	278	8.0	9.0	191	0.04	0.005 L
LB-26D	LB-031700-13	3/17/00	236	7.5	8.4	209	0.02 L	0.005 L
LB-26D	LB-061300-5	6/13/00	240	7.6	9.5	206	0.02 L	0.005 L
LB-26D	LB-091200-4	9/12/00	258	8.1	9.3	203	0.02 L	0.005 L
LB-26D	LB-121500-7	12/15/00	262	6.7	8.2	168	0.02 L	0.005 L
LB-26D	LB-031301-5	3/13/01		6.6	8.1	198	0.02 L	0.005 L
LB-26D	LB-031902-8	3/19/02		5.5	7.2	165	0.02 L	0.005 L
LB-26D	LB-031203-5	3/12/03		4.7	6.0	216	0.02 L	0.005 L
LB-26D	LB-022504-12	2/25/04		4.3	5.1	173	0.02 L	0.005 L
LB-26D	LB-030805-7	3/8/05		4.0	4.8	170	0.02 L	0.005 L
LB-26D	LB-031606-19	3/16/06		3.6	4.9	190	0.02 L	0.005 L
LB-26D	LB-030507-11	3/5/07		4.1	5.3	145	0.02 L	0.005 L
LB-26D	LB-031908-8	3/19/08		4.0	5.2	177	0.02 L	0.005 L
LB-26D	LB-26D	3/17/09		4.3	5.9	144	0.02 L	0.005 L
LB-26D	LB-26D032410	3/24/10		3.9	6.5	194	0.02 L	0.005 L
LB-26D	LB-26D	3/23/11	224	4.97	6.3	196	0.025 L	0.002 L
LB-26I	LB-121092-12	12/10/92			0.7		0.03	0.075
LB-26I	LB-031193-13	3/11/93	638		0.7	380	0.02 L	0.053
LB-26I	LB-060193-1	6/1/93	577		1.0	352	0.02 L	0.027
LB-26I	LB-092493-11	9/24/93	587		1.0	363	0.03	0.039
LB-26I	LB-121693-15	12/16/93	531		0.8	377	0.03	0.031
LB-26I	LB-032594-6	3/25/94	528	25.0	1.2	326	0.02 L	0.024
LB-26I	LB-062294-5	6/22/94	488		1.2	329	0.03	0.028
LB-26I	LB-090894-16	9/8/94	519		1.3	327	0.03	0.031
LB-26I	LB-121394-4	12/13/94	465	25.0	1.3	307	0.02 L	0.022

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-26I	LB-031095-13	3/10/95	499		1.1	311	0.02	0.023
LB-26I	LB-061995-1	6/19/95	434		1.6	296	0.02	0.025
LB-26I	LB-092095-5	9/20/95	493		1.8	274	0.03	0.026
LB-26I	LB-122095-14	12/20/95	458		1.9	289	0.02 L	0.013
LB-26I	LB-031996-1	3/19/96	479		1.7	302	0.02 L	0.02
LB-26I	LB-061896-1	6/18/96	387		2.0 J	301	0.02	0.02
LB-26I	LB-091896-10	9/18/96	469	25.0	2.0	298	0.02 L	0.016
LB-26I	LB121796-5	12/17/96	498	24.0	2.2	323	0.02 L	0.014
LB-26I	LB-031997-5	3/19/97	424	30.0	3.0	329	0.04	0.014
LB-26I	LB-061797-7	6/17/97	525	30.0	2.3	323	0.02 L	0.018
LB-26I	LB-091697-5	9/16/97	436	33.4	2.1	312	0.02 L	0.019
LB-26I	LB-121697-7	12/16/97	647	26.8	3.0	444	0.03	0.032
LB-26I	LB-031998-8	3/19/98	605	34.3	3.6	379	0.02 L	0.013
LB-26I	LB-061698-8	6/16/98	406	35.7	2.7	356	0.02 L	0.015
LB-26I	LB-091798-7	9/17/98	557	34.2	2.4	304	0.03	0.014
LB-26I	LB-121798-2	12/17/98	456	35.1	2.8	368	0.04	0.013
LB-26I	LB-031799-1	3/17/99	456	33.7	2.9	347	0.02	0.014
LB-26I	LB-062399-10	6/23/99	361	22.6	5.1	280	0.02 L	0.008
LB-26I	LB-091699-4	9/16/99	535	32.9	2.2	340	0.03	0.013
LB-26I	LB-121599-8	12/15/99	499	30.7	2.9	293	0.02 L	0.01
LB-26I	LB-031700-12	3/17/00	445	28.9	2.4	298	0.02 L	0.011
LB-26I	LB-061300-4	6/13/00	440	30.0	2.6	342	0.02 L	0.01
LB-26I	LB-091200-5	9/12/00	470	26.8	2.7	304	0.02 L	0.0131
LB-26I	LB-121500-8	12/15/00	376	15.2	5.0	217	0.02 L	0.005 L
LB-26I	LB-031301-6	3/13/01		18.3	2.8	284	0.02 L	0.0069
LB-26I	LB-092001-3	9/20/01		15.3	3.4	251	0.02 L	0.011
LB-26I	LB-092001-4	9/20/01		15.5	3.5	266	0.02 L	0.011
LB-26I	LB-031902-09	3/19/02		13.0	3.2	230	0.02 L	0.006
LB-26I	LB-091802-04	9/17/02		11.0	4.0	237	0.02 L	0.014
LB-26I	LB-031203-4	3/12/03		10.0	2.6	238	0.02 L	0.008
LB-26I	LB-092203-4	9/22/03		9.5	2.0	248	0.03	0.015
LB-26I	LB-022504-13	2/25/04		8.3	2.5	192	0.02 L	0.005
LB-26I	LB-090104-26	9/1/04		6.7	2.2	190	0.02 L	0.009
LB-26I	LB-030805-8	3/8/05		8.5	2.3	206	0.02 L	0.006
LB-26I	LB-091405-5	9/14/05		7.4	2.7	190	0.02 L	0.005 L
LB-26I	LB-031606-20	3/16/06		7.1	2.7	230	0.02 L	0.009
LB-26I	LB-091206	9/12/06		6.6	3.2	199	0.02 L	0.010
LB-26I	LB-030507-10	3/5/07		6.7	2.6	193	0.02 L	0.009
LB-26I	LB-091907-5	9/19/07		7.7	2.3	207	0.02 L	0.011
LB-26I	LB-031908-7	3/19/08		10.1	2.1	213	0.02 L	0.011
LB-26I	LB-091608-6	9/16/08		4.1	5.6	168	0.02 L	0.005 L
LB-26I	LB-26I	3/17/09		11.6	2.5	202	0.02 L	0.0057
LB-26I	LB-26I	9/11/09		4.05	5.85	173	0.02 L	0.005 L
LB-26I	LB-26I032410	3/24/10		8.52	3.41	211	0.02 L	0.010
LB-26I	LB26092310	9/23/10		7.71	3.76	229	0.02 L	0.010

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-26I	LB-26I	3/23/11	226	7.97	3.71	226	0.025 L	0.00743
LB-26I	LB-090711--3	9/7/11		6.22	5.02	200	0.0392	0.00356
LB-27D	LB-031193-16	3/11/93	309		1.6	217	0.02 L	0.034
LB-27D	LB-060193-4	6/1/93	302		1.7	196	0.02 L	0.005 L
LB-27D	LB-092493-16	9/24/93	297		1.9	205	0.02 L	0.005 L
LB-27D	LB-092493-17	9/24/93	296		1.8	202	0.02 L	0.005 L
LB-27D	LB-121693-17	12/16/93	270		2.0	235	0.04	0.005 L
LB-27D	LB-121693-18	12/16/93	282		1.9	225	0.02	0.005 L
LB-27D	LB-032494-4	3/24/94	290		0.2 L	210	0.02 L	0.005 L
LB-27D	LB-032494-5	3/24/94	293		0.2 L	209	0.02 L	0.005 L
LB-27D	LB-062294-10	6/22/94	291		1.9	219	0.02 L	0.005 L
LB-27D	LB-062294-9	6/22/94	284		1.9	214	0.02 L	0.005 L
LB-27D	LB-090894-12	9/8/94	303		2.3	214	0.02 L	0.005 L
LB-27D	LB-090894-13	9/8/94	299		2.1	214	0.02 L	0.005 L
LB-27D	LB-121394-2	12/13/94	264	12.0	1.9	215	0.02 L	0.005 L
LB-27D	LB-121394-3	12/13/94	259	12.0	1.9	222	0.02 L	0.005 L
LB-27D	LB-031095-7	3/10/95	274		0.7	193	0.02 L	0.005 L
LB-27D	LB-031095-9	3/10/95	265		1.9	190	0.02	0.005 L
LB-27D	LB-061995-4	6/19/95	272		2.3	217	0.02 L	0.005 L
LB-27D	LB-061995-5	6/19/95	277		2.2	208	0.02 L	0.005 L
LB-27D	LB-092095-1	9/20/95	334		2.1	195	0.00 L	0.005 L
LB-27D	LB-092095-2	9/20/95	326		2.0	205	0.00 L	0.005 L
LB-27D	LB-122095-17	12/20/95	306		2.1	209	0.02 L	0.005 L
LB-27D	LB-122095-18	12/20/95	302		2.1	210	0.06	0.001 J
LB-27D	LB-031996-3	3/19/96	302		2.1	208	0.02 L	0.005 L
LB-27D	LB-061896-4	6/18/96	260		2.2	220	0.10	0.005 L
LB-27D	LB-061896-5	6/18/96	251			217	0.09	0.005 L
LB-27D	LB-091796-9	9/17/96	286	11.0	2.1	214	0.02 L	0.005 L
LB-27D	LB121796-8	12/17/96	303	11.0	2.1	204	0.02 L	0.005 L
LB-27D	LB-031997-12	3/19/97	235	13.0	2.2	221	0.02	0.005 L
LB-27D	LB-061797-11	6/17/97	283	10.0	1.8	210	0.03	0.005 L
LB-27D	LB-091697-8	9/16/97	235	8.4	2.3	216	0.02 L	0.005 L
LB-27D	LB-121797-14	12/17/97	231	11.0	2.2	160	0.02 L	0.005 L
LB-27D	LB-031998-12	3/19/98	301	11.2	2.2	214	0.02 L	0.005 L
LB-27D	LB-061798-10	6/17/98	286	11.1	2.1	218	0.02 L	0.005 L
LB-27D	LB-091798-8	9/17/98	286	10.8	2.2	172	0.02 L	0.005 L
LB-27D	LB-121798-6	12/17/98	251	12.6	2.6	240	0.21	0.008
LB-27D	LB-031899-9	3/18/99	226	11.4	2.1	213	0.02 L	0.005 L
LB-27D	LB-062399-7	6/23/99	231	10.4	2.3	193	0.02	0.005 L
LB-27D	LB-091599-1	9/15/99	206	11.1	2.4	216	0.16	0.005 L
LB-27D	LB-121599-7	12/15/99	270	10.7	2.5	195	0.02 L	0.005 L
LB-27D	LB-031600-3	3/16/00	248	10.2	2.4	221	0.02 L	0.005 L
LB-27D	LB-061300-3	6/13/00	249	11.4	2.5	225	0.02 L	0.005 L
LB-27D	LB-091300-8	9/13/00	283	11.9	2.8	198	0.02 L	0.005 L

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-27D	LB-091300-9	9/13/00	272	11.2	2.6	209	0.02 L	0.005 L
LB-27D	LB-121500-5	12/15/00	294	11.4	2.5	207	0.02 L	0.005 L
LB-27D	LB-031301-3	3/13/01		12.2	2.7	226	0.02 L	0.005 L
LB-27D	LB-031902-11	3/19/02		13.5	2.8	187	0.02 L	0.005 L
LB-27D	LB-031203-3	3/12/03		12.7	3.0	218	0.02 L	0.005 L
LB-27D	LB-022604-15	2/26/04		12.7	2.9	236	0.02 L	0.005 L
LB-27D (Dup)	LB-022604-16	2/26/04		12.5	2.9	238	0.02 L	0.005 L
LB-27D	LB-030805-6	3/8/05		13.6	3.0	248	0.02 L	0.017
LB-27D	LB-031606-17	3/16/06		12.4	3.2	242	0.02 L	0.005 L
LB-27D	LB-030507-9	3/5/07		11.5	3.3	209	0.02 L	0.005 L
LB-27D	LB-031908-5	3/19/08		11.1	3.4	241	0.02 L	0.005 L
LB-27D	LB-031908-6	3/19/08		11.9	1.4	364	0.02 L	0.285
LB-27D	LB-27D	3/18/09		10.7	3.5	217	0.02 L	0.005 L
LB-27D	LB-27D032410	3/24/10		9.8	3.9	238	0.02 L	0.005 L
LB-27D	LB-27D	3/25/11	307	10.4	3.77	245	0.025 L	0.002 L
LB-27I	LB-121192-20	12/11/92			6.2		0.04	0.471
LB-27I	LB-031293-21	3/12/93	729		4.5	459	0.02 L	0.343
LB-27I	LB-060193-2	6/1/93	706		3.8	436	0.02 L	0.283
LB-27I	LB-092493-14	9/24/93	785		21.0	526	0.07	0.413
LB-27I	LB-092493-15	9/24/93	771		20.0	504	0.08	0.381
LB-27I	LB-121693-19	12/16/93	676		22.0	499	0.03	0.284
LB-27I	LB-121693-20	12/16/93	711		22.0	506	0.04	0.28
LB-27I	LB-032494-3	3/24/94	685			469	0.02 L	0.276
LB-27I	LB-062294-8	6/22/94	582		5.3	397	0.02	0.213
LB-27I	LB-090894-11	9/8/94	573		6.2	402	0.03	0.238
LB-27I	LB-121394-1	12/13/94	519	13.0	16.0	410	0.02	0.267
LB-27I	LB-031095-7	3/10/95	573		9.0	346	0.02	0.198
LB-27I	LB-061995-3	6/19/95	566		7.5	394	0.02	0.188
LB-27I	LB-092095-3	9/20/95	651		1.2	377	0.03	0.247
LB-27I	LB-122095-16	12/20/95	584		0.8	353	0.02 L	0.236
LB-27I	LB-031996-4	3/19/96	653		0.2 L	392	0.10	0.273
LB-27I	LB-061896-3	6/18/96	532		0.0 J	414	0.03	0.282
LB-27I	LB-091796-7	9/17/96	859	38.0	0.2 L	555	0.08	0.352
LB-27I	LB-091796-8	9/17/96	874	39.0	0.2 L	552	0.03	0.356
LB-27I	LB121796-6	12/17/96	1150	30.0	30.0	650	0.04	0.373
LB-27I	LB121796-7	12/17/96	1140	29.0	60.0	650	0.02 L	0.364
LB-27I	LB-031997-10	3/19/97	681	49.0	1.1	530	0.04	0.312
LB-27I	LB-031997-11	3/19/97	747	49.0	1.1	523	0.04	0.288
LB-27I	LB-061797-10	6/17/97	762	44.0	0.1	459	0.03	0.277
LB-27I	LB-061797-9	6/17/97	764	43.0	0.1	459	0.03	0.273
LB-27I	LB-091697-6	9/16/97	844	48.9	0.2 L	690	0.03	0.396
LB-27I	LB-091697-7	9/16/97	860	49.3	0.2 L	671	0.03	0.396
LB-27I	LB-121797-11	12/17/97	720	30.7	0.2 L	609	0.03	0.406
LB-27I	LB-121797-12	12/17/97	738	30.5	0.2 L	589	0.03	0.397

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
LB-27I	LB-031998-10	3/19/98	877	25.9	0.2 L	576	0.04	0.381
LB-27I	LB-031998-11	3/19/98	896	26.6	0.2 L	573	0.03	0.373
LB-27I	LB-061798-11	6/17/98	869	37.0	0.4	602	0.04	0.342
LB-27I	LB-061798-12	6/17/98	729	36.7	0.4	599	0.04	0.342
LB-27I	LB-091798-10	9/17/98	1030	47.0	0.2	620	0.04	0.375
LB-27I	LB-091798-9	9/17/98	1030	46.5	0.2 L	586	0.04	0.388
LB-27I	LB-121798-4	12/17/98	714	36.0	0.2 L	545	0.04	0.354
LB-27I	LB-121798-5	12/17/98	710	36.3	0.2 L	522	0.04	0.36
LB-27I	LB-031899-7	3/18/99	712	39.3	0.7	565	0.04	0.335
LB-27I	LB-031899-8	3/18/99	707	39.5	0.7	565	0.04	0.29
LB-27I	LB-062399-8	6/23/99	693	46.4	1.0	502	0.03	0.305
LB-27I	LB-091599-2	9/15/99	691	56.7	0.3	602	0.03	0.336
LB-27I	LB-121599-6	12/15/99	910	81.4	0.2	553	0.04	3.72
LB-27I	LB-031600-1	3/16/00	803	69.4	0.2 L	675	0.02 L	0.356
LB-27I	LB-031600-2	3/16/00	810	69.1	0.2 L	598	0.21	0.349
LB-27I	LB-061300-1	6/13/00	743	70.9	0.1 L	532	0.03	0.305
LB-27I	LB-061300-2	6/13/00	738	70.5	0.1 L	662	0.02	0.322
LB-27I	LB-091300-10	9/13/00	819	47.5	0.7	368	0.02	0.289
LB-27I	LB-121500-6	12/15/00	885	66.0	1.2	504	0.02 L	0.0851
LB-27I	LB-031301-4	3/13/01		42.8	0.1 L	226	0.02 L	0.268
LB-27I	LB-092001-2	9/20/01		39.7	0.1 L	378	0.02 L	0.186
LB-27I	LB-031902-10	3/19/02		42.1	0.6	403	0.02 L	0.277
LB-27I	LB-091802-05	9/17/02		25.0	8.0	382	0.02 L	0.243
LB-27I	LB-031203-1	3/12/03		23.0	1.4	384	0.02 L	0.187
LB-27I	LB-031203-2	3/12/03		23.0	1.4	312	0.02 L	0.206
LB-27I	LB-092203-2	9/22/03		26.0	1.2	424	0.02 L	0.516
LB-27I	LB-092203-3	9/22/03		25.0	1.2	388	0.02 L	0.545
LB-27I	LB-022604-17	2/26/04		18.5	0.2 L	288	0.02 L	0.193
LB-27I	LB-090104-27	9/1/04		20.4	1.1	268	0.02 L	0.217
LB-27I	LB-030805-5	3/8/05		10.9	2.8	312	0.02 L	0.195
LB-27I	LB-091405-3	9/14/05		12.4	2.4	316	0.02 L	0.131
LB-27I	LB-031606-18	3/16/06		9.7	4.2	346	0.02 L	0.121
LB-27I	LB-091206-2	9/12/06		14.8	1.9	346	0.02 L	0.185
LB-27I	LB-030507-8	3/5/07		14.2	2.2	363	0.02 L	0.238
LB-27I	LB-091907-4	9/19/07		16.7	0.1 L	295	0.04	0.530
LB-27I	LB-031908-4	3/19/08		11.9	1.4	340	0.02 L	0.282
LB-27I	LB-091608-7	9/16/08		17.0	1.0	311	0.02 L	0.196
LB-27I	LB-27I	3/18/09		14.3	2.1	322	0.02 L	0.186
LB-27I	LBLF27i091109	9/11/09		19.3	0.86	309	0.02 L	0.173
LB-27I	LB-27I032410	3/24/10		7.7	1.82	266	0.02 L	0.121
LB-27I	LB27I092310	9/23/10		19.4	0.62	311	0.02 L	0.196
LB-27I	LB-27I	3/25/11	512	20.1	0.14	335	0.025 L	0.191
LB-27I	LB-090711-01	9/7/11		41.2	0.10 L	464	0.050 L	0.456

Table B-3
Leichner Landfill
Groundwater Chemistry, Inorganic Parameters and Dissolved Metals Concentrations
1987 - 2011
(mg/L)

Location	Sample Number	Date	Conductivity	Chloride	Nitrate as N	TDS	Iron	Manganese
FIELDQC	FB1	3/23/11	10 L	0.50 L	0.10 L	10 L	0.025 L	0.002 L
FIELDQC	LB-090811-09	9/8/11		0.50 L	0.10 L	10 L	0.025 L	0.002 L

Notes:

Conductivity = umho/cm; B = Analyte detected above the MDL but below the MRL; L = not detected at or above method reporting limit; J = estimated concentration; H = Due to laboratory error, sample was extracted and analyzed past the recommended 7-day hold time.

APPENDIX C

Summary of 2011 Groundwater Statistical Calculations

Leichner Landfill
Groundwater Statistics - March 2005 through September 2011 Data
95 Percent Upper Confidence Limits on the Mean

	LB-01S					LB-01D				
Parameter	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	11	11	Lognormal	5.82	6.58	5	5	Lognormal	6.72	7.28
Nitrate (mg/L)	11	11	Lognormal	5.12	5.65	5	5	Lognormal	5.84	6.05
TDS (mg/L)	11	11	Lognormal	193.46	204.25	5	5	Non	170.40	M(195)
Metals (mg/L)										
Iron (dissolved)	11	4	Lognormal	0.45	M(1.62)	5	0	NC	NC	All ND
Manganese (dissolved)	11	1	NC	NC	M(0.045)	5	0	NC	NC	All ND
VOCs (µg/L)										
1,1-Dichloroethene	11	0	NC	NC	All ND	5	0	NC	NC	All ND
1,4-Dichlorobenzene	11	0	NC	NC	All ND	5	0	NC	NC	All ND
Tetrachloroethene	11	0	NC	NC	All ND	5	0	NC	NC	All ND
Trichloroethene	11	0	NC	NC	All ND	5	0	NC	NC	All ND
Vinyl Chloride	11	0	NC	NC	All ND	5	0	NC	NC	All ND

Leichner Landfill
Groundwater Statistics - March 2005 through September 2011 Data
95 Percent Upper Confidence Limits on the Mean

Parameter	LB-3S					LB-03D				
	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	5	5	Non	3.01	M(3.4)	6	6	Non	3.51	M(4.23)
Nitrate (mg/L)	5	5	Lognormal	3.32	3.64	6	6	Non	4.72	M(5.76)
TDS (mg/L)	5	5	Non	159.80	188.00	6	6	Non	160.33	M(201)
Metals (mg/L)										
Iron (dissolved)	5	0	NC	NC	All ND	6	0	NC	NC	All ND
Manganese (dissolved)	5	0	NC	NC	All ND	6	0	NC	NC	All ND
VOCs (µg/L)										
1,1-Dichloroethene	5	0	NC	NC	All ND	6	0	NC	NC	All ND
1,4-Dichlorobenzene	5	0	NC	NC	All ND	6	0	NC	NC	All ND
Tetrachloroethene	5	0	NC	NC	All ND	6	0	NC	NC	All ND
Trichloroethene	5	0	NC	NC	All ND	6	0	NC	NC	All ND
Vinyl Chloride	5	0	NC	NC	All ND	6	0	NC	NC	All ND

Leichner Landfill
Groundwater Statistics - March 2005 through September 2011 Data
95 Percent Upper Confidence Limits on the Mean

	LB-04SR (background)					LB-04D (background)				
Parameter	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	5	5	Lognormal	4.90	8.81	6	6	Lognormal	2.91	3.11
Nitrate (mg/L)	5	5	Non	6.86	M(16.6)	6	6	Non	6.36	M(7.17)
TDS (mg/L)	5	5	Lognormal	179.80	211.90	6	6	Non	137.50	M(169)
Metals (mg/L)										
Iron (dissolved)	5	0	NC	NC	All ND	6	0	NC	NC	All ND
Manganese (dissolved)	5	0	NC	NC	All ND	6	0	NC	NC	All ND
VOCs (µg/L)										
1,1-Dichloroethene	5	0	NC	NC	All ND	6	0	NC	NC	All ND
1,4-Dichlorobenzene	5	0	NC	NC	All ND	6	0	NC	NC	All ND
Tetrachloroethene	5	0	NC	NC	All ND	6	0	NC	NC	All ND
Trichloroethene	5	0	NC	NC	All ND	6	0	NC	NC	All ND
Vinyl Chloride	5	0	NC	NC	All ND	6	0	NC	NC	All ND

Leichner Landfill
Groundwater Statistics - March 2005 through September 2011 Data
95 Percent Upper Confidence Limits on the Mean

	LB-05S					LB-05D				
Parameter	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	13	13	Lognormal	5.10	5.75	6	6	Non	12.57	M(13.7)
Nitrate (mg/L)	13	13	Lognormal	4.73	5.16	6	6	Lognormal	1.06	1.47
TDS (mg/L)	13	13	Lognormal	169.31	178.73	6	6	Lognormal	231.83	244.53
Metals (mg/L)										
Iron (dissolved)	13	4	Lognormal*	0.25	M(0.707)	6	0	NC	NC	All ND
Manganese (dissolved)	13	1	NC	NC	M(0.0157)	6	0	NC	NC	All ND
VOCs (µg/L)										
1,1-Dichloroethene	13	0	NC	NC	All ND	6	0	NC	NC	All ND
1,4-Dichlorobenzene	13	0	NC	NC	All ND	6	0	NC	NC	All ND
Tetrachloroethene	13	0	NC	NC	All ND	6	0	NC	NC	All ND
Trichloroethene	13	0	NC	NC	All ND	6	0	NC	NC	All ND
Vinyl Chloride	13	0	NC	NC	All ND	6	0	NC	NC	All ND

* MTCAStat 97 indicated Lognormal distribution; however cannot determine UCL because more than 50% of the data are censored (ND).

Leichner Landfill
Groundwater Statistics - March 2005 through September 2011 Data
95 Percent Upper Confidence Limits on the Mean

Parameter	LB-6S					LB-20S				
	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	13	13	Lognormal	6.69	7.32	5	5	Non	7.07	M(9.2)
Nitrate (mg/L)	13	13	Non	2.30	M(3.53)	5	1	NC	NC	M(0.1)
TDS (mg/L)	13	13	Lognormal	214.69	228.25	5	5	Lognormal	254.80	341.30
Metals (mg/L)										
Iron (dissolved)	13	6	Lognormal	0.14	M(0.379)	5	5	Lognormal	0.16	6.64
Manganese (dissolved)	13	4	Non	0.02	M(0.0369)	5	5	Lognormal	1.24	4.87
VOCs (µg/L)										
1,1-Dichloroethene	13	0	NC	NC	All ND	5	0	NC	NC	All ND
1,4-Dichlorobenzene	13	0	NC	NC	All ND	5	1	NC	NC	M(0.25)
Tetrachloroethene	13	0	NC	NC	All ND	5	0	NC	NC	All ND
Trichloroethene	13	0	NC	NC	All ND	5	0	NC	NC	All ND
Vinyl Chloride	13	0	NC	NC	All ND	5	0	NC	NC	All ND

Leichner Landfill
Groundwater Statistics - March 2005 through September 2011 Data
95 Percent Upper Confidence Limits on the Mean

	LB-10SR					LB-10DR				
Parameter	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	12	12	Lognormal	9.77	14.35	5	5	Lognormal	25.99	27.72
Nitrate (mg/L)	12	12	Lognormal	2.37	3.59	5	5	Lognormal	1.01	1.23
TDS (mg/L)	12	12	Normal	220.67	246.98	5	5	Normal	312.40	332.16
Metals (mg/L)										
Iron (dissolved)	12	1	NC	NC	M(1.15)	5	3	Lognormal	0.034	0.063
Manganese (dissolved)	12	3	Lognormal	0.007	M(0.0138)	5	5	Lognormal	0.092	10.59
VOCs (µg/L)										
1,1-Dichloroethene	13*	0	NC	NC	All ND	5	0	NC	NC	All ND
1,4-Dichlorobenzene	13*	0	NC	NC	All ND	5	0	NC	NC	All ND
Tetrachloroethene	13*	0	NC	NC	All ND	5	0	NC	NC	All ND
Trichloroethene	13*	0	NC	NC	All ND	5	0	NC	NC	All ND
Vinyl Chloride	13*	0	NC	NC	All ND	5	0	NC	NC	All ND

* MW-10SR was resampled for VOCs only on 4/30/2008 due to a random detection of MEK.

Leichner Landfill
Groundwater Statistics - March 2005 through September 2011 Data
95 Percent Upper Confidence Limits on the Mean

	LB-13I					LB-13D				
Parameter	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	10	10	Lognormal	6.00	6.38	5	5	Non	3.83	M(4.36)
Nitrate (mg/L)	10	10	Lognormal	4.22	4.82	5	5	Lognormal	5.12	5.36
TDS (mg/L)	10	10	Non	200.30	M(260)	5	5	Lognormal	163.20	205.16
Metals (mg/L)										
Iron (dissolved)	10	0	NC	NC	All ND	5	0	NC	NC	All ND
Manganese (dissolved)	10	3	Non	0.005	M(0.006)	5	0	NC	NC	All ND
VOCs (µg/L)										
1,1-Dichloroethene	10	0	NC	NC	All ND	5	0	NC	NC	All ND
1,4-Dichlorobenzene	10	0	NC	NC	All ND	5	0	NC	NC	All ND
Tetrachloroethene	10	0	NC	NC	All ND	5	0	NC	NC	All ND
Trichloroethene	10	0	NC	NC	All ND	5	0	NC	NC	All ND
Vinyl Chloride	10	0	NC	NC	All ND	5	0	NC	NC	All ND

Leichner Landfill
Groundwater Statistics - March 2005 through September 2011 Data
95 Percent Upper Confidence Limits on the Mean

	LB-17I					LB-17D				
Parameter	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	6	6	Lognormal	17.38	28.25	6	6	Normal	8.95	10.67
Nitrate (mg/L)	6	0	NC	NC	All ND	6	0	NC	NC	All ND
TDS (mg/L)	6	6	Lognormal	243.17	287.37	6	6	Lognormal	180.83	209.00
Metals (mg/L)										
Iron (dissolved)	6	6	Non	8.73	M(11.30)	6	6	Lognormal	0.082	0.095
Manganese (dissolved)	6	6	Non	1.42	M(1.55)	6	6	Lognormal	3.76	4.00
VOCs (µg/L)										
1,1-Dichloroethene	6	0	NC	NC	All ND	6	0	NC	NC	All ND
1,4-Dichlorobenzene	6	1	NC	NC	M(0.26)	6	0	NC	NC	All ND
Tetrachloroethene	6	0	NC	NC	All ND	6	0	NC	NC	All ND
Trichloroethene	6	1	NC	NC	M(0.81)	6	0	NC	NC	All ND
Vinyl Chloride	6	0	NC	NC	All ND	6	0	NC	NC	All ND

Leichner Landfill
Groundwater Statistics - March 2005 through September 2011 Data
95 Percent Upper Confidence Limits on the Mean

	LB-26I					LB-26D				
Parameter	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	10	10	Lognormal	7.47	9.50	5	5	Non	4.25	M(4.97)
Nitrate (mg/L)	10	10	Lognormal	3.69	4.80	5	5	Lognormal	8.84	6.47
TDS (mg/L)	10	10	Lognormal	200.30	212.07	5	5	Non	171.20	M(196)
Metals (mg/L)										
Iron (dissolved)	10	1	NC	NC	M(0.039)	5	0	NC	NC	All ND
Manganese (dissolved)	10	8	Non	0.008	M(0.011)	5	0	NC	NC	All ND
VOCs (µg/L)										
1,1-Dichloroethene	10	0	NC	NC	All ND	5	0	NC	NC	All ND
1,4-Dichlorobenzene	10	0	NC	NC	All ND	5	0	NC	NC	All ND
Tetrachloroethene	10	0	NC	NC	All ND	5	0	NC	NC	All ND
Trichloroethene	10	0	NC	NC	All ND	5	0	NC	NC	All ND
Vinyl Chloride	10	1	NC	NC	M(0.044)	5	0	NC	NC	All ND

Leichner Landfill
Groundwater Statistics - March 2005 through September 2011 Data
95 Percent Upper Confidence Limits on the Mean

Parameter	LB-27I					LB-27D				
	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	10	10	Non	18.18	M(41.2)	6	6	Lognormal	10.90	11.58
Nitrate (mg/L)	10	8	Normal	1.27	1.49	6	6	Non	3.21	M(3.9)
TDS (mg/L)	10	10	Non	331.60	M(464)	6	6	Non	252.33	M(364)
Metals (mg/L)										
Iron (dissolved)	10	0	NC	NC	M(0.04)	6	0	NC	NC	All ND
Manganese (dissolved)	10	10	Non	0.26	M(0.53)	6	1	NC	NC	M(0.285)
VOCs (µg/L)										
1,1-Dichloroethene	10	0	NC	NC	All ND	6	0	NC	NC	All ND
1,4-Dichlorobenzene	10	0	NC	NC	All ND	6	0	NC	NC	All ND
Tetrachloroethene	10	0	NC	NC	All ND	6	0	NC	NC	All ND
Trichloroethene	10	0	NC	NC	All ND	6	0	NC	NC	All ND
Vinyl Chloride	10	1	NC	NC	M(0.053)	6	0	NC	NC	All ND

Notes:

NC = not calculated, more than 50% samples were non-detect; Non = neither normal nor lognormal distribution.

M = default to maximum value per Statistical Guidance for Ecology Site Managers
for the following scenarios: (a) more than 50% non-detect values, (b) both normal and lognormal distributions were rejected by MTCAStat, and (c) UCL calculated using MTCAStat was higher than the maximum value of the data set.

[a] Distribution was determined using MTCAStat 97 program and Statistical Guidance for Ecology Site Managers.

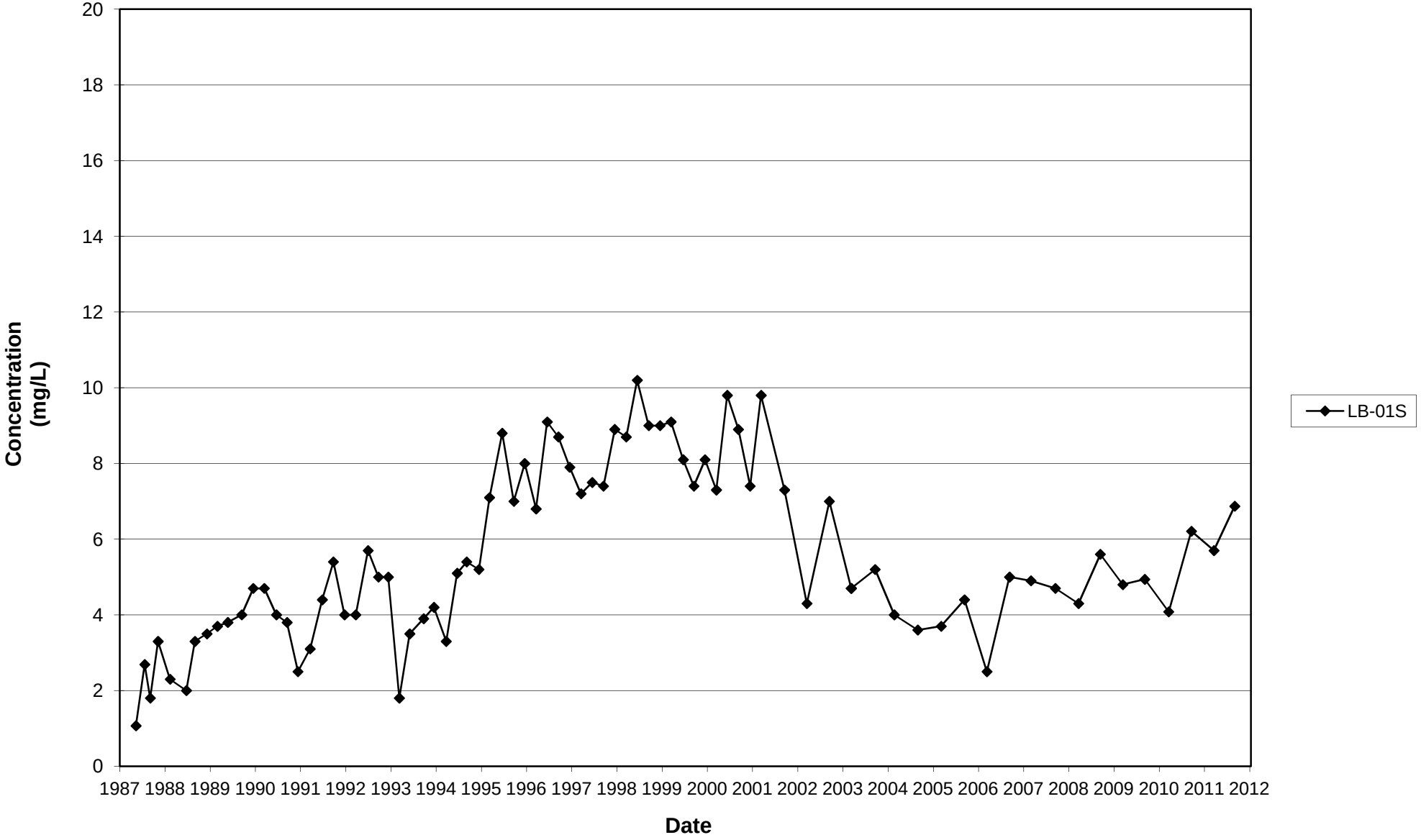
[b] UCL 95 was calculated using MTCAStat 97 program and Statistical Guidance for Ecology Site Managers.

APPENDIX D

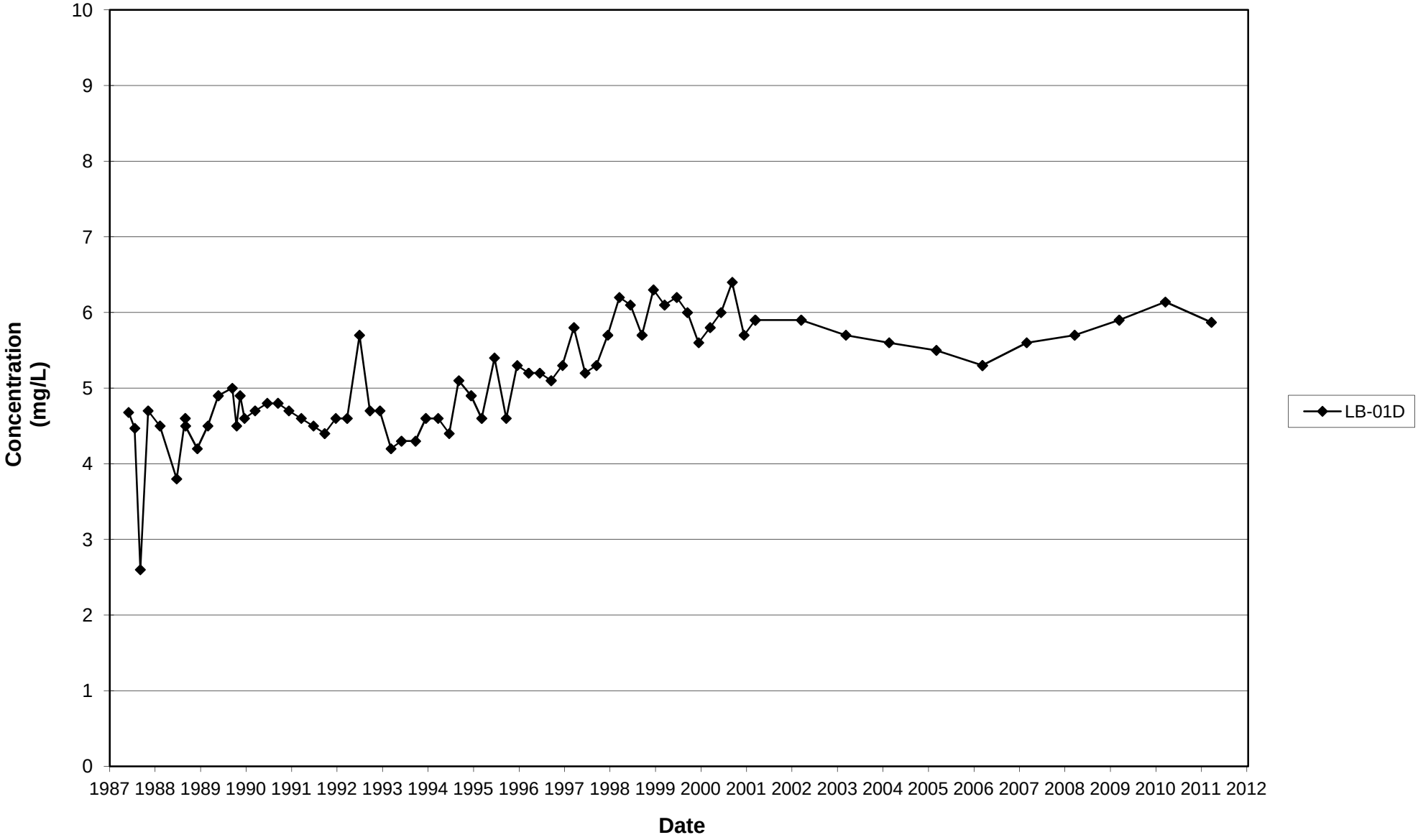
Groundwater Time-Series Concentration Graphs

Nitrate

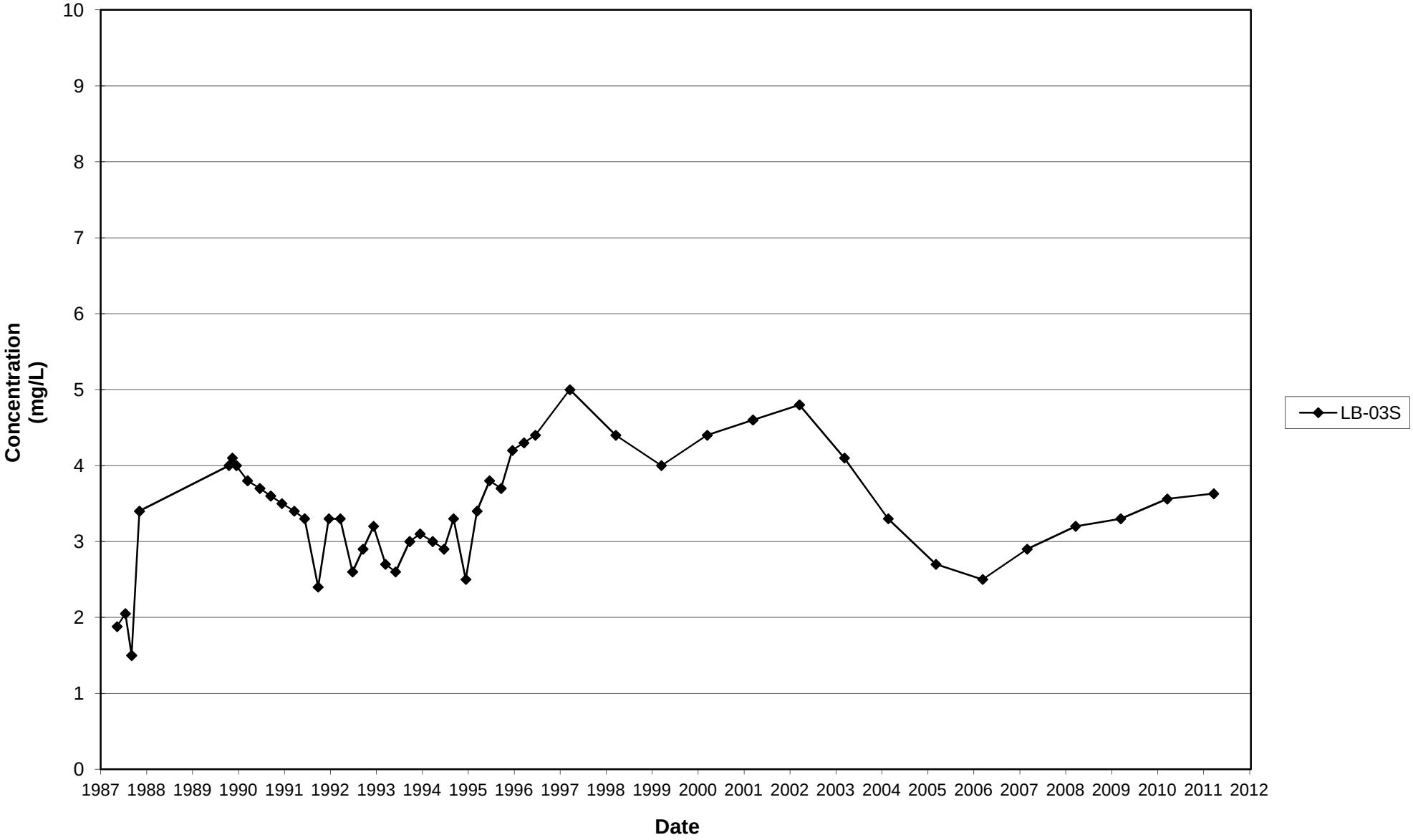
Leichner Landfill
Nitrate, LB-01S
1987 - 2011



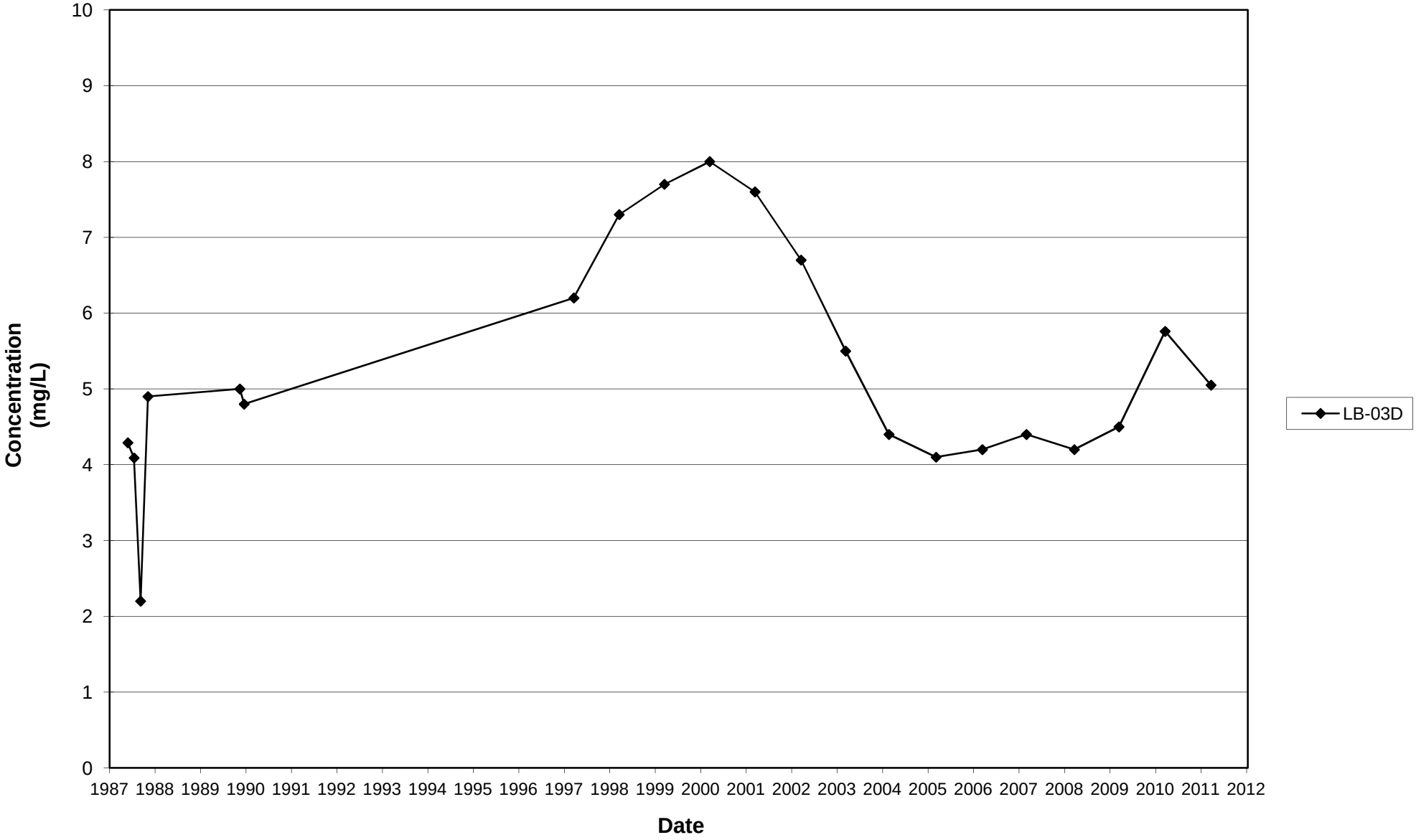
Leichner Landfill
Nitrate, LB-01D
1987 - 2011



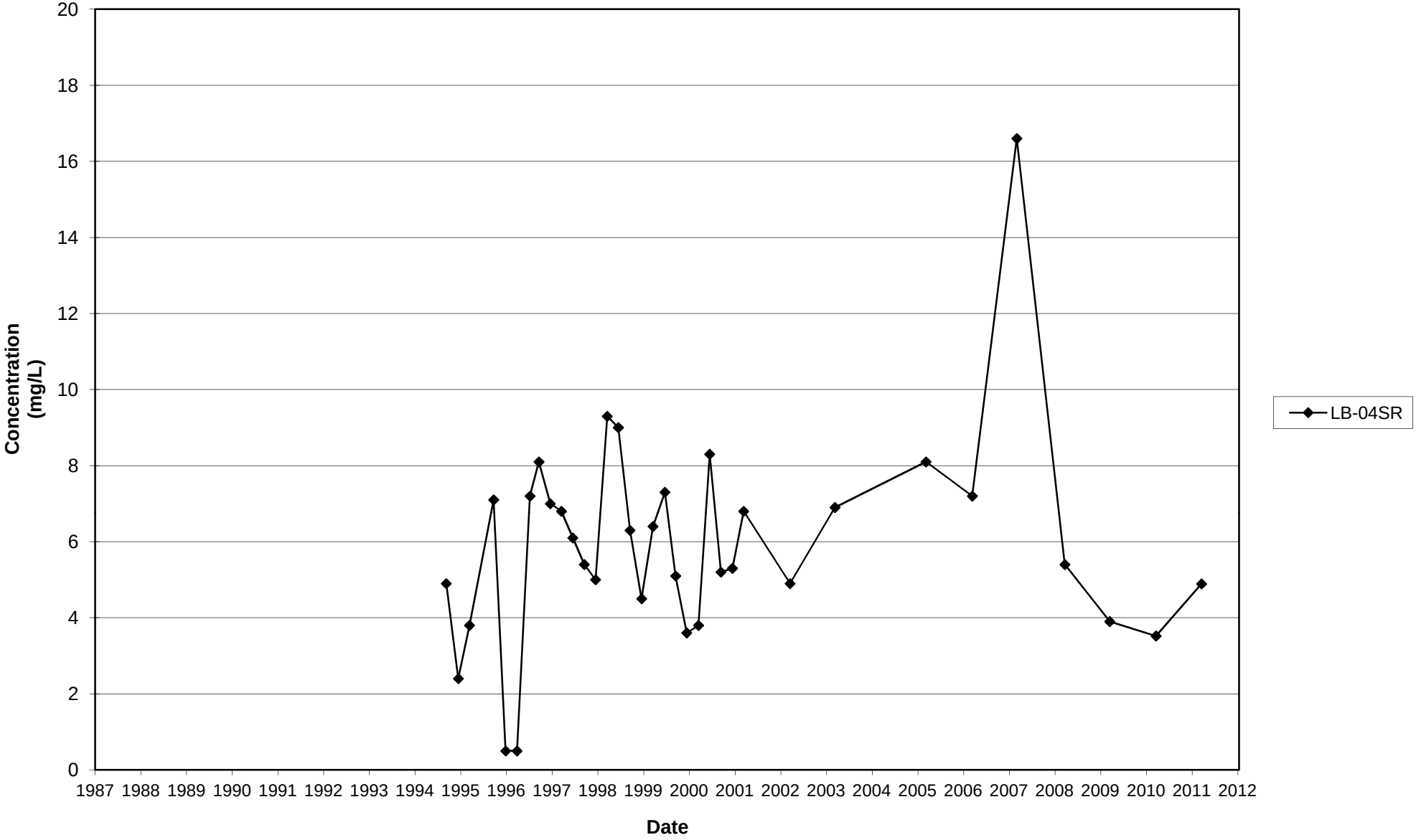
Leichner Landfill
Nitrate, LB-03S
1987 - 2011



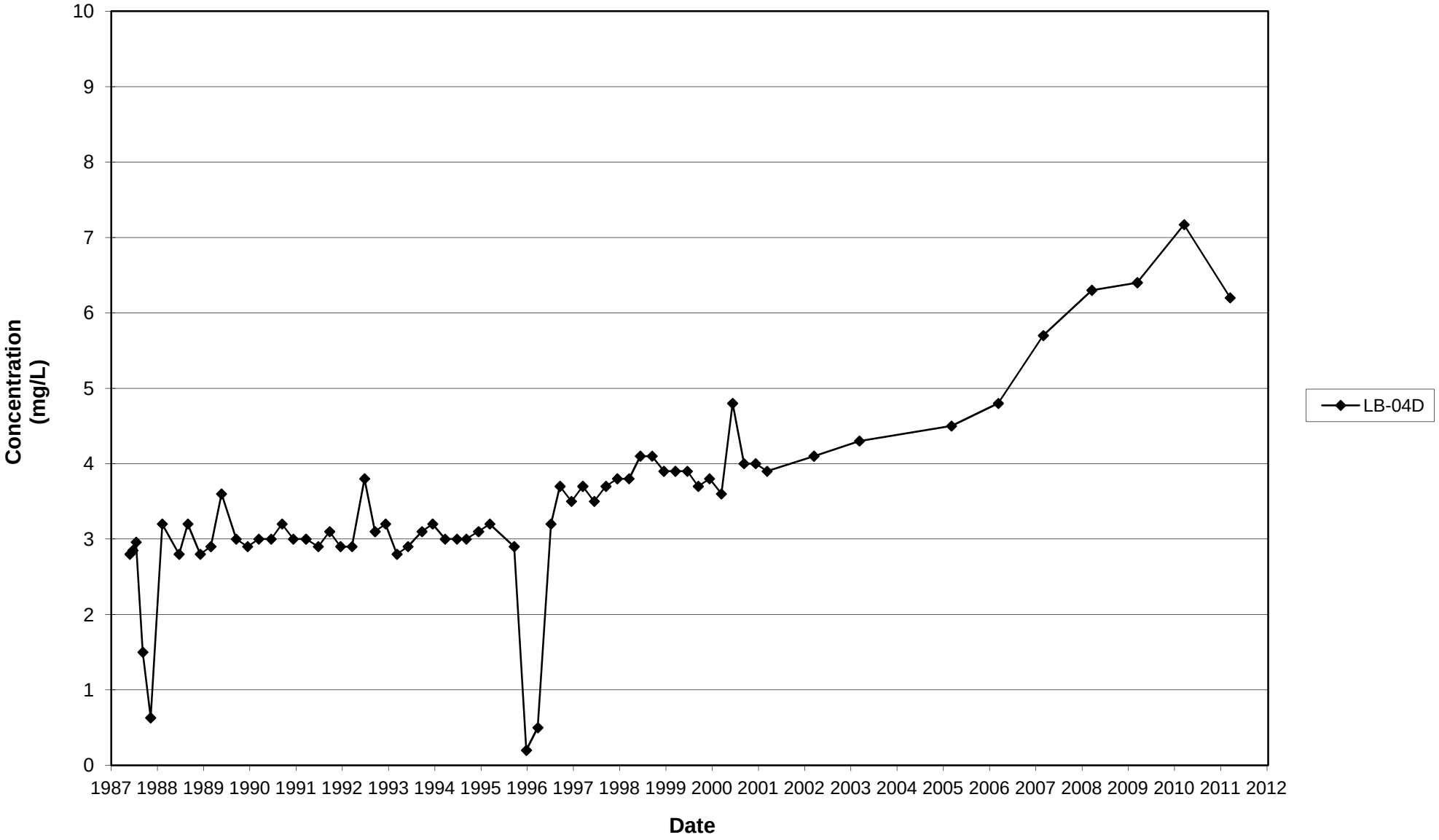
Leichner Landfill
Nitrate, LB-03D
1987 - 2011



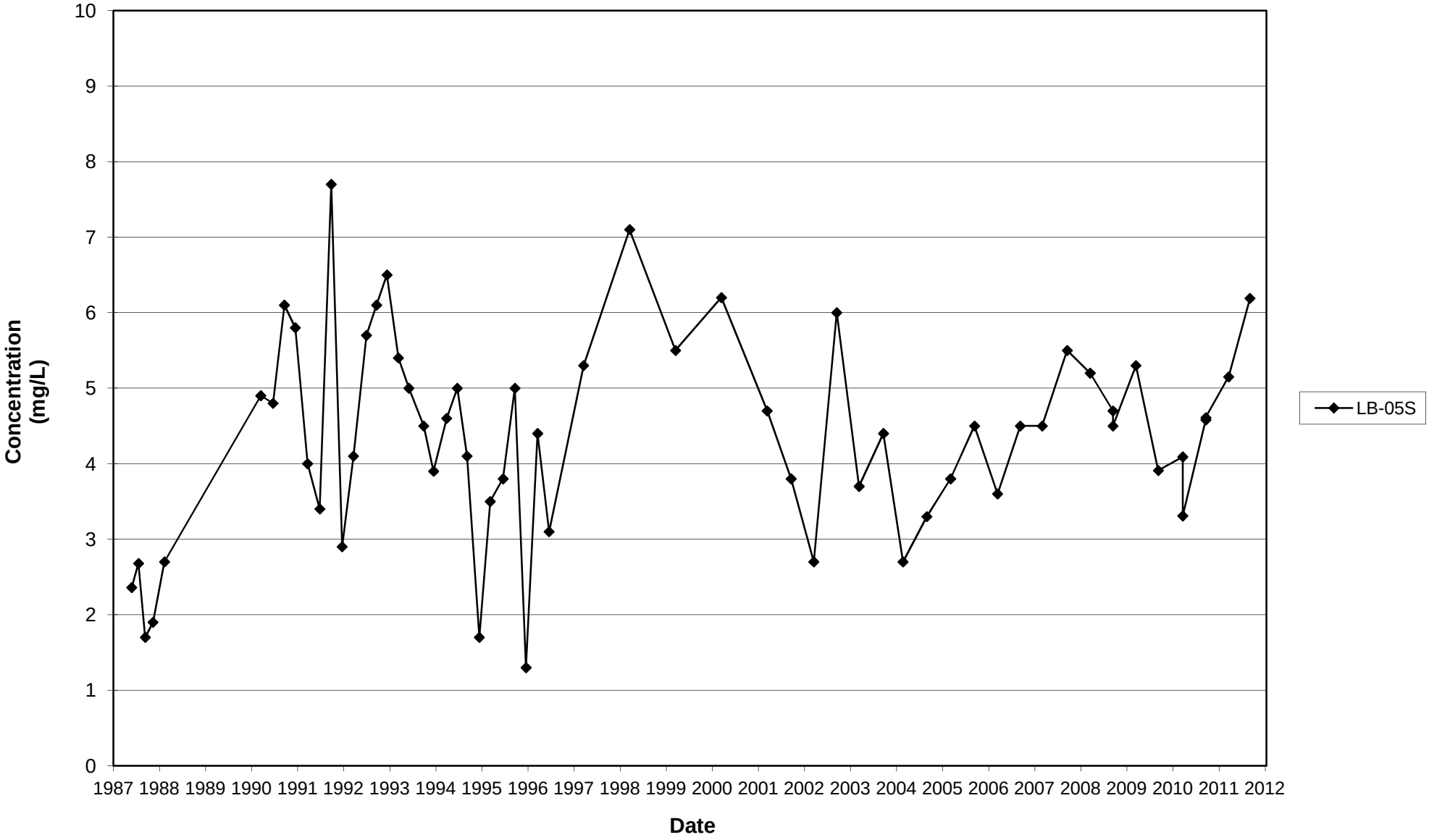
Leichner Landfill
Nitrate, LB-04SR
1987 - 2011



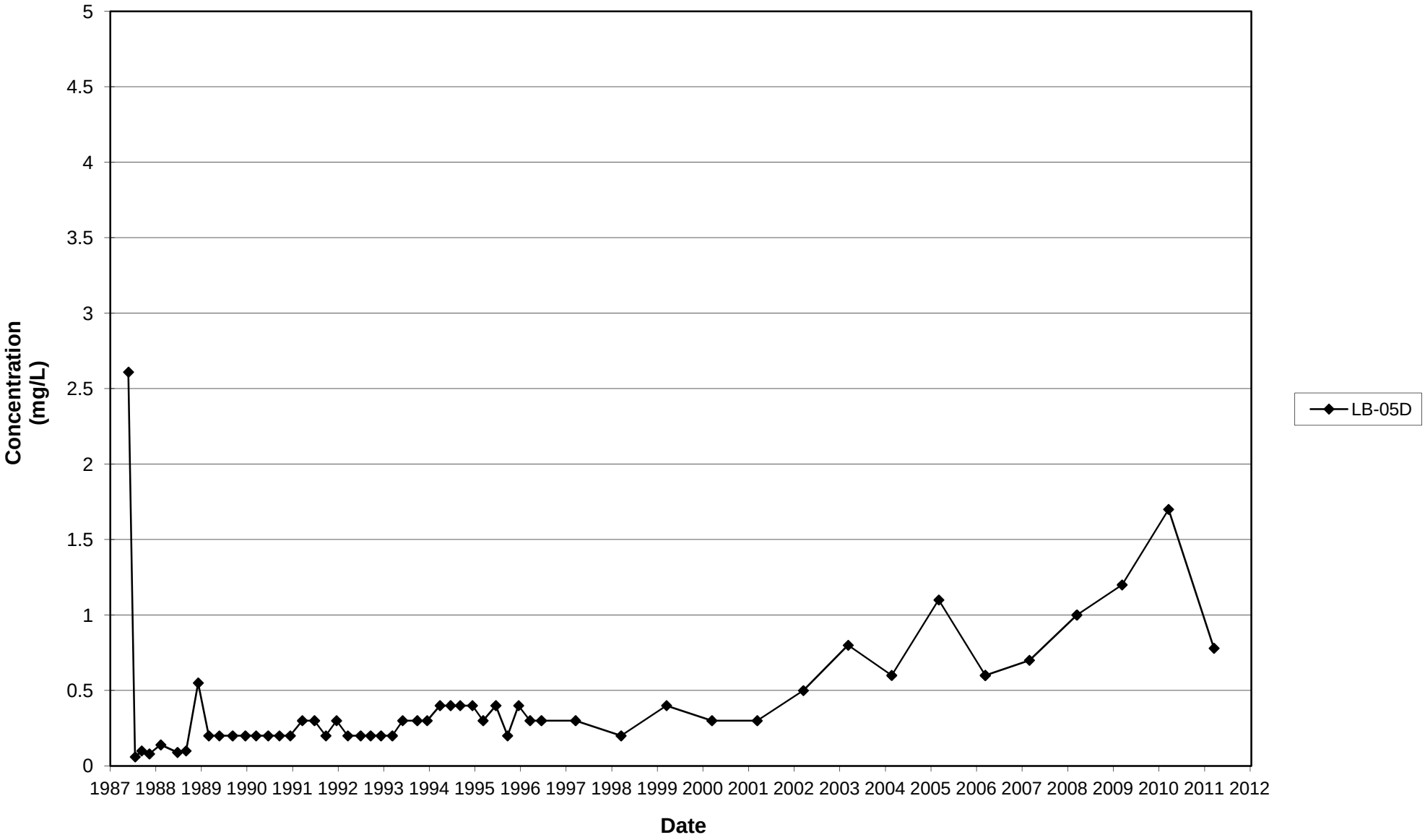
Leichner Landfill
Nitrate, LB-04D
1987 - 2011



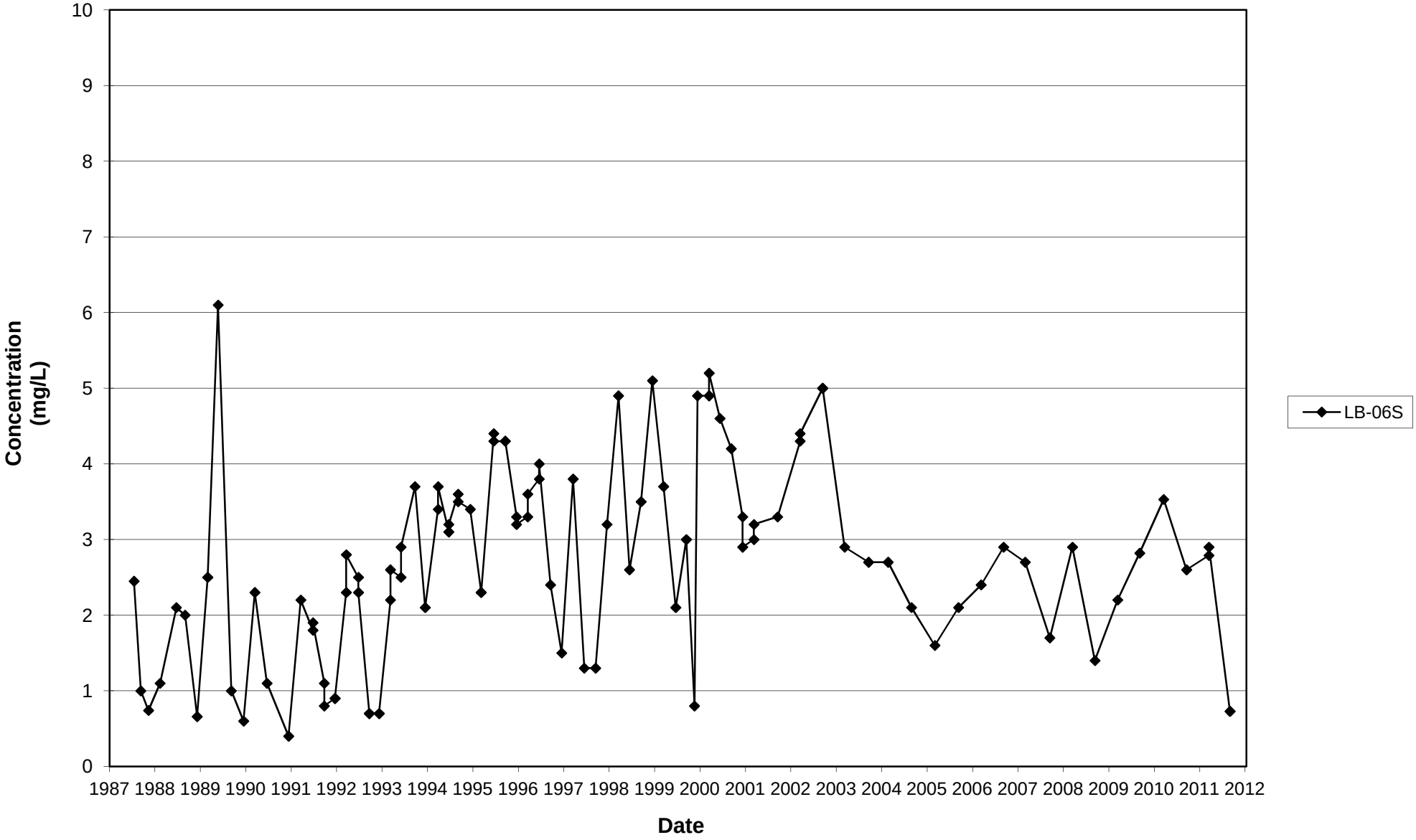
Leichner Landfill
Nitrate, LB-05S
1987 - 2011



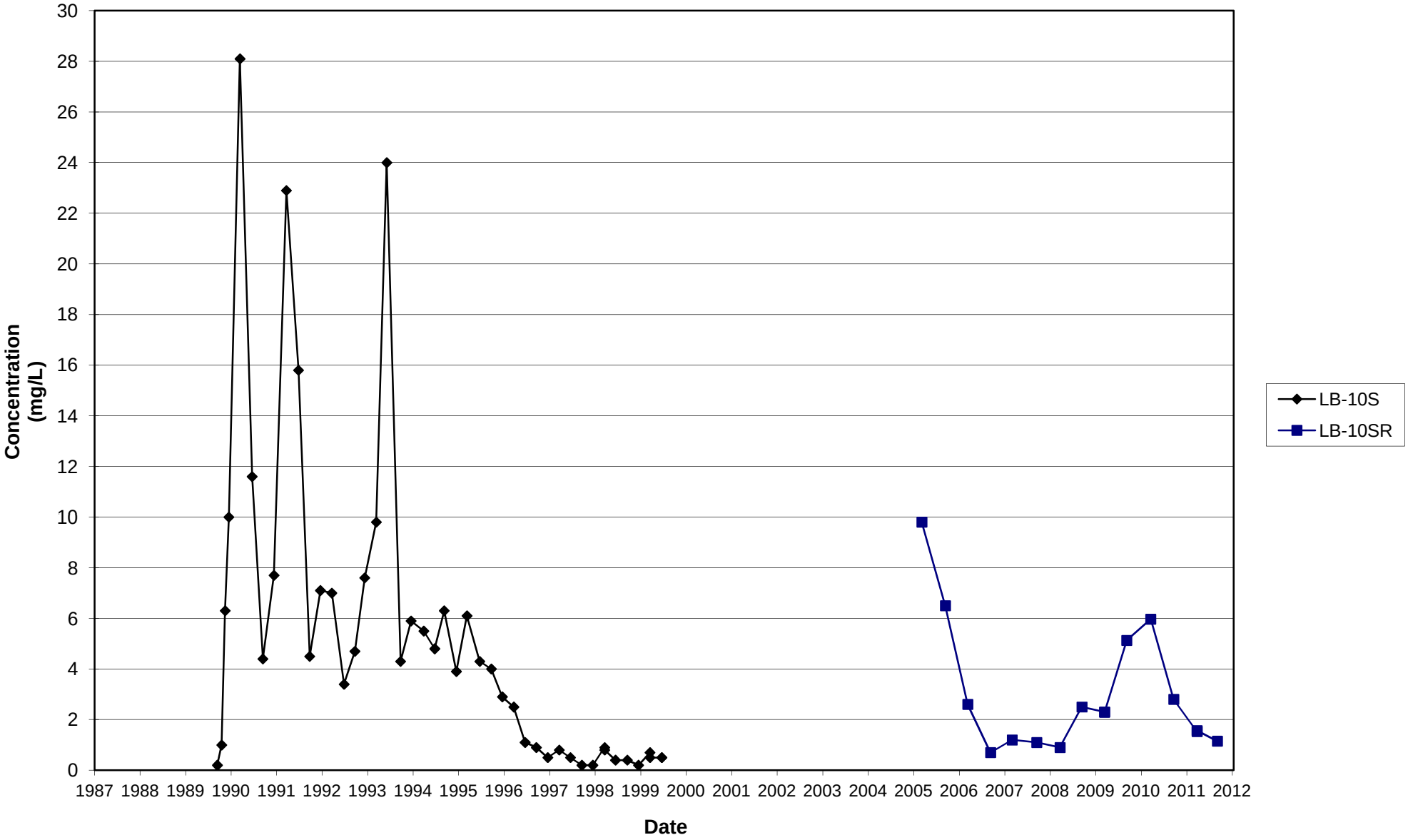
Leichner Landfill
Nitrate, LB-05D
1987 - 2011



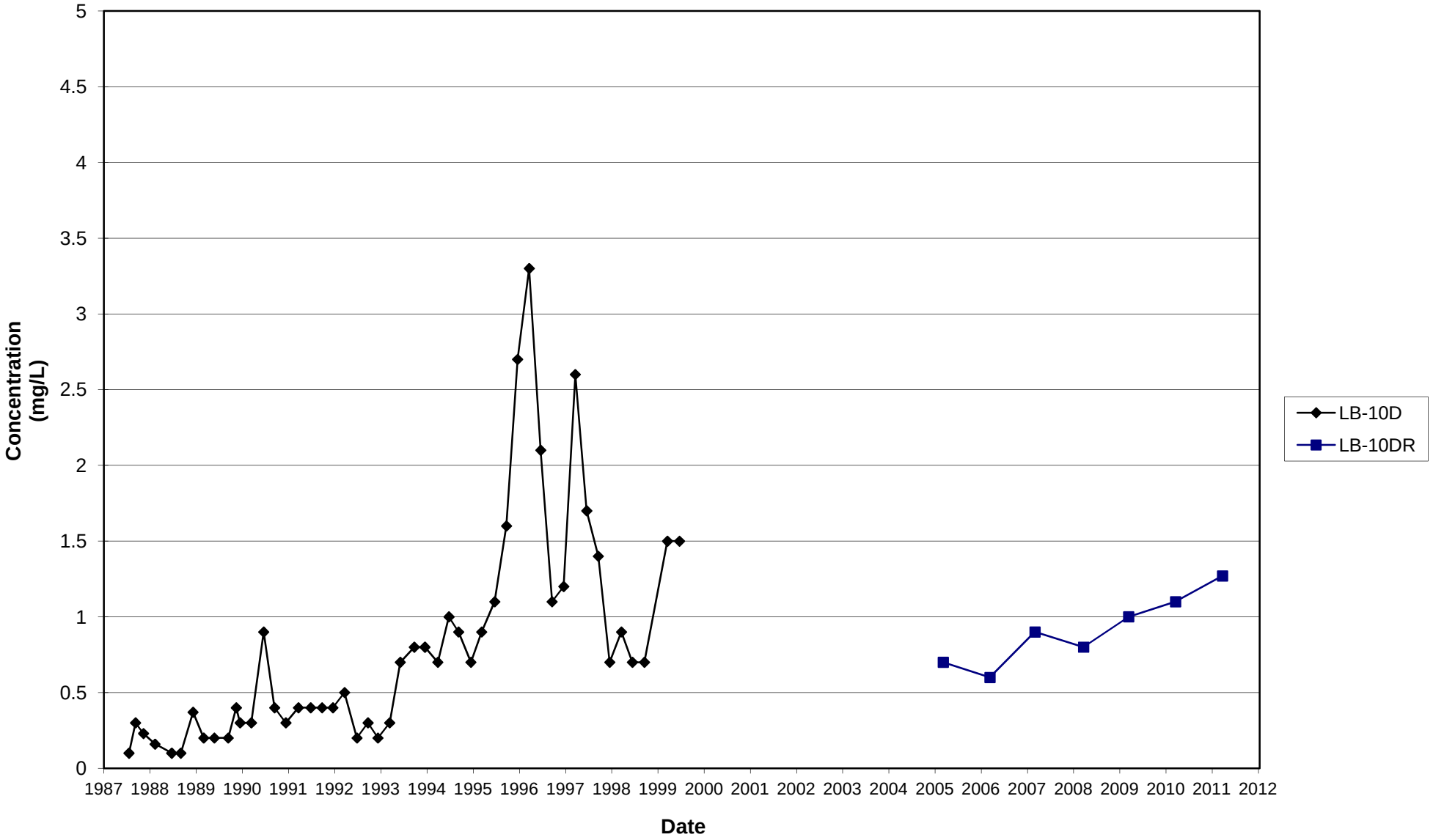
Leichner Landfill
Nitrate, LB-06S
1987 - 2011



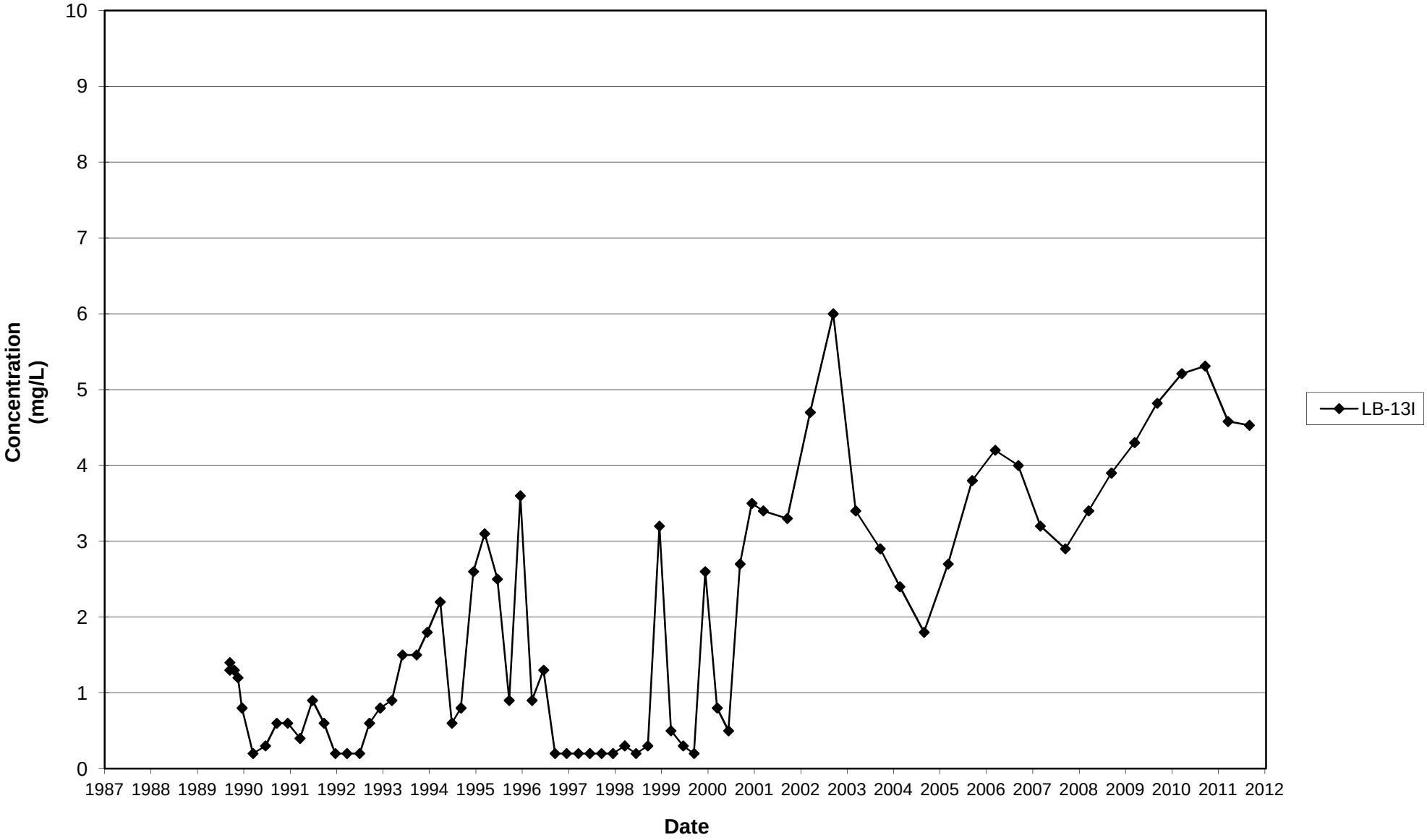
Leichner Landfill
Nitrate, LB-10S and LB-10SR
1987 - 2011



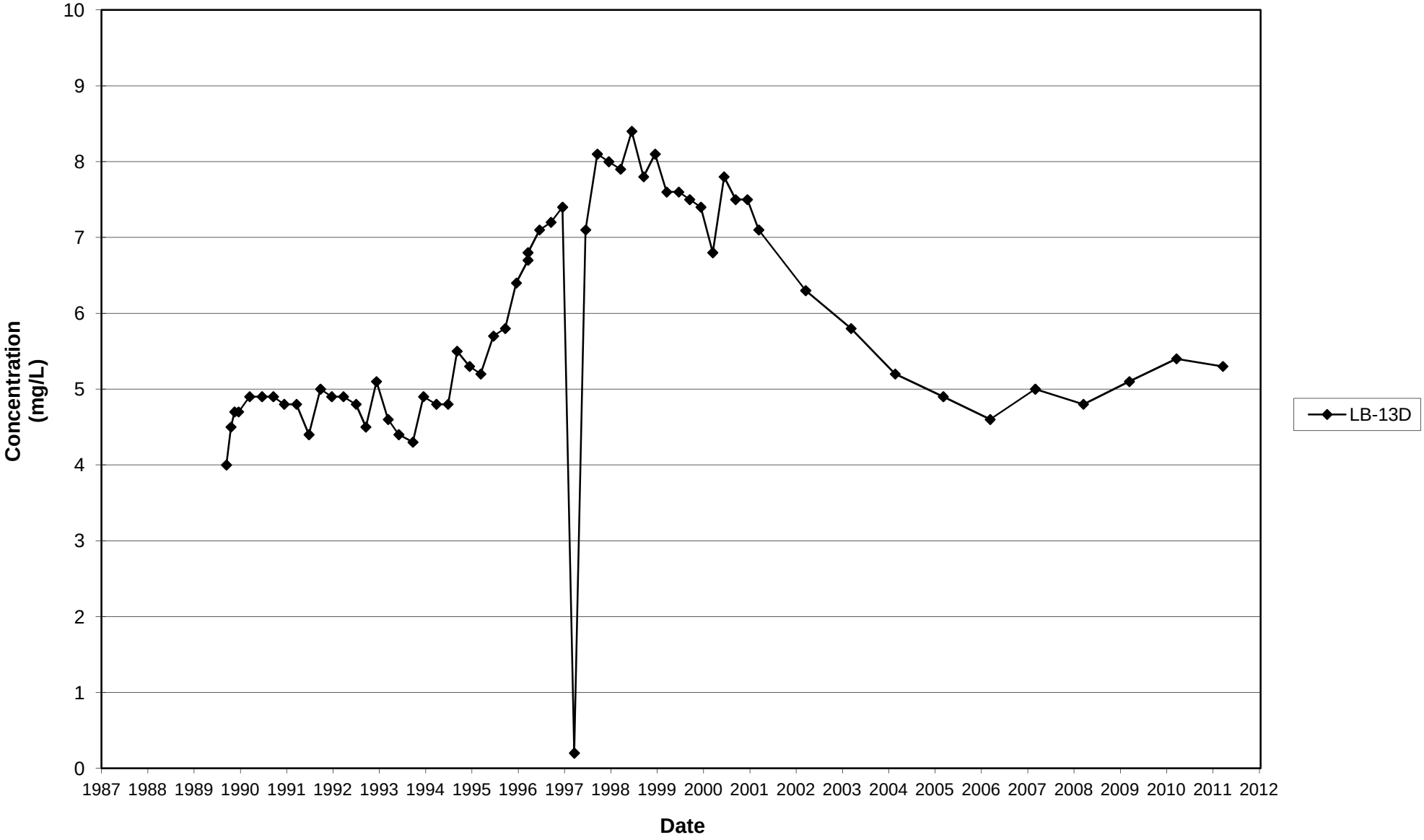
Leichner Landfill
Nitrate, LB-10D and LB-10DR
1987 - 2011



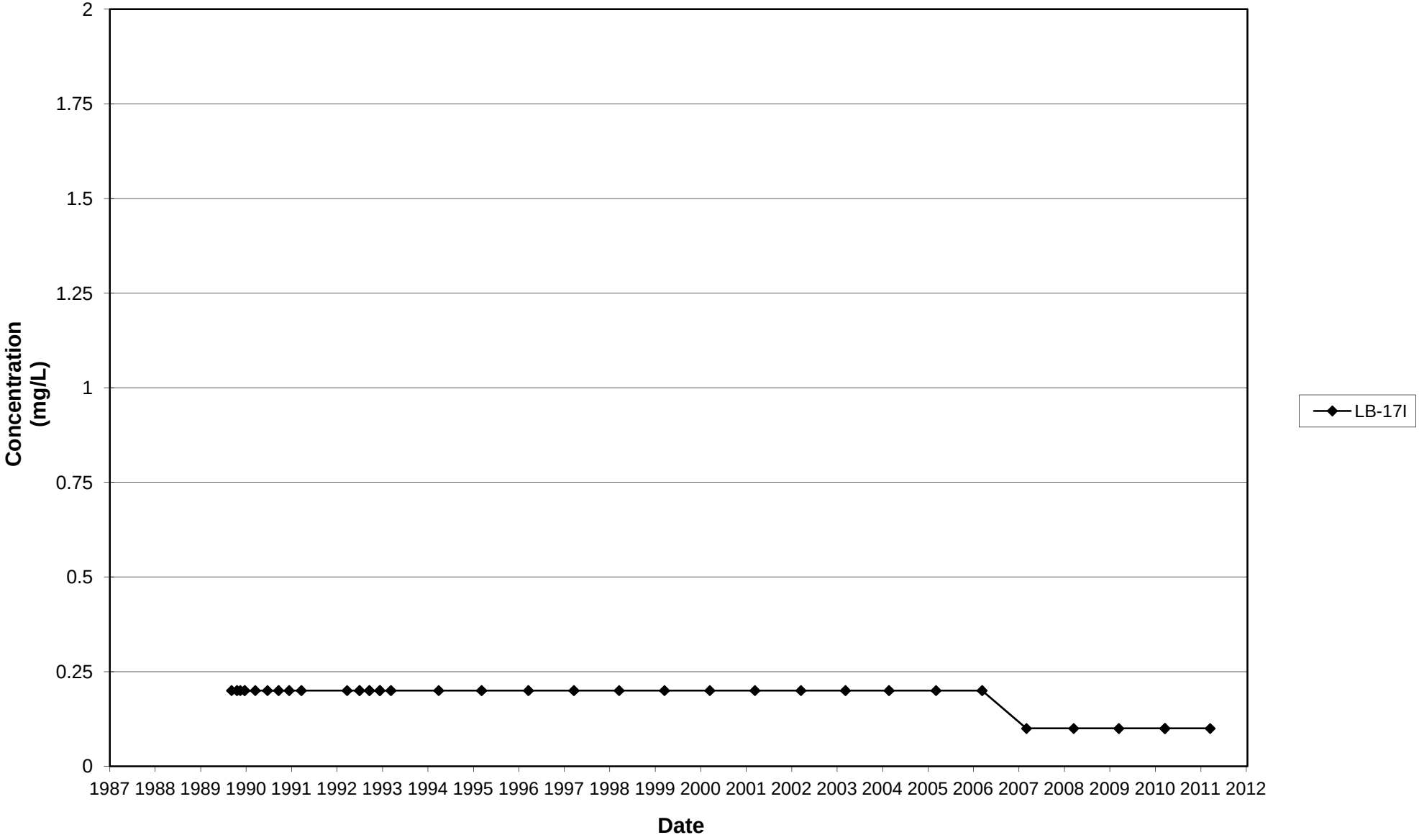
Leichner Landfill
Nitrate, LB-13I
1987 - 2011



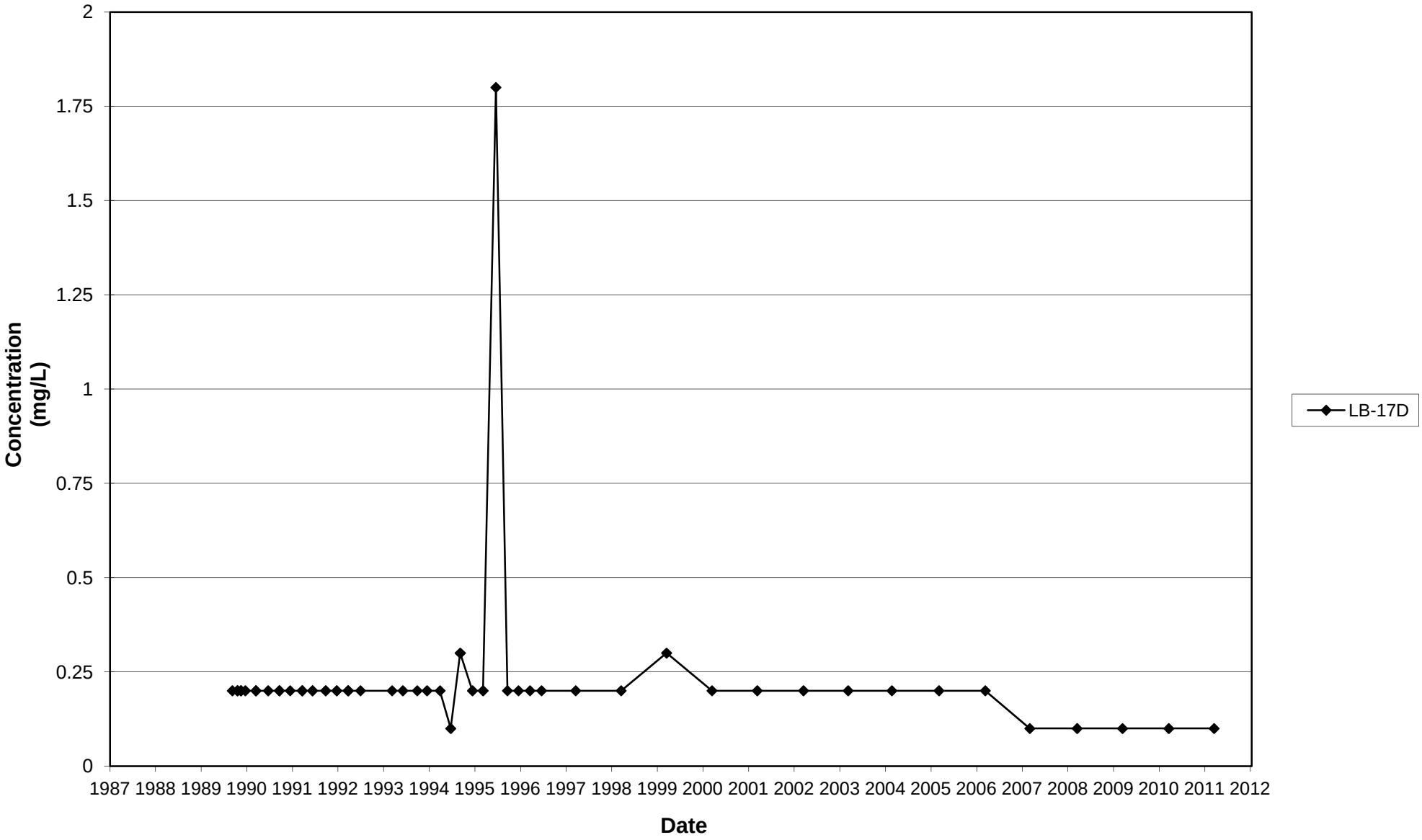
Leichner Landfill
Nitrate, LB-13D
1987 - 2011

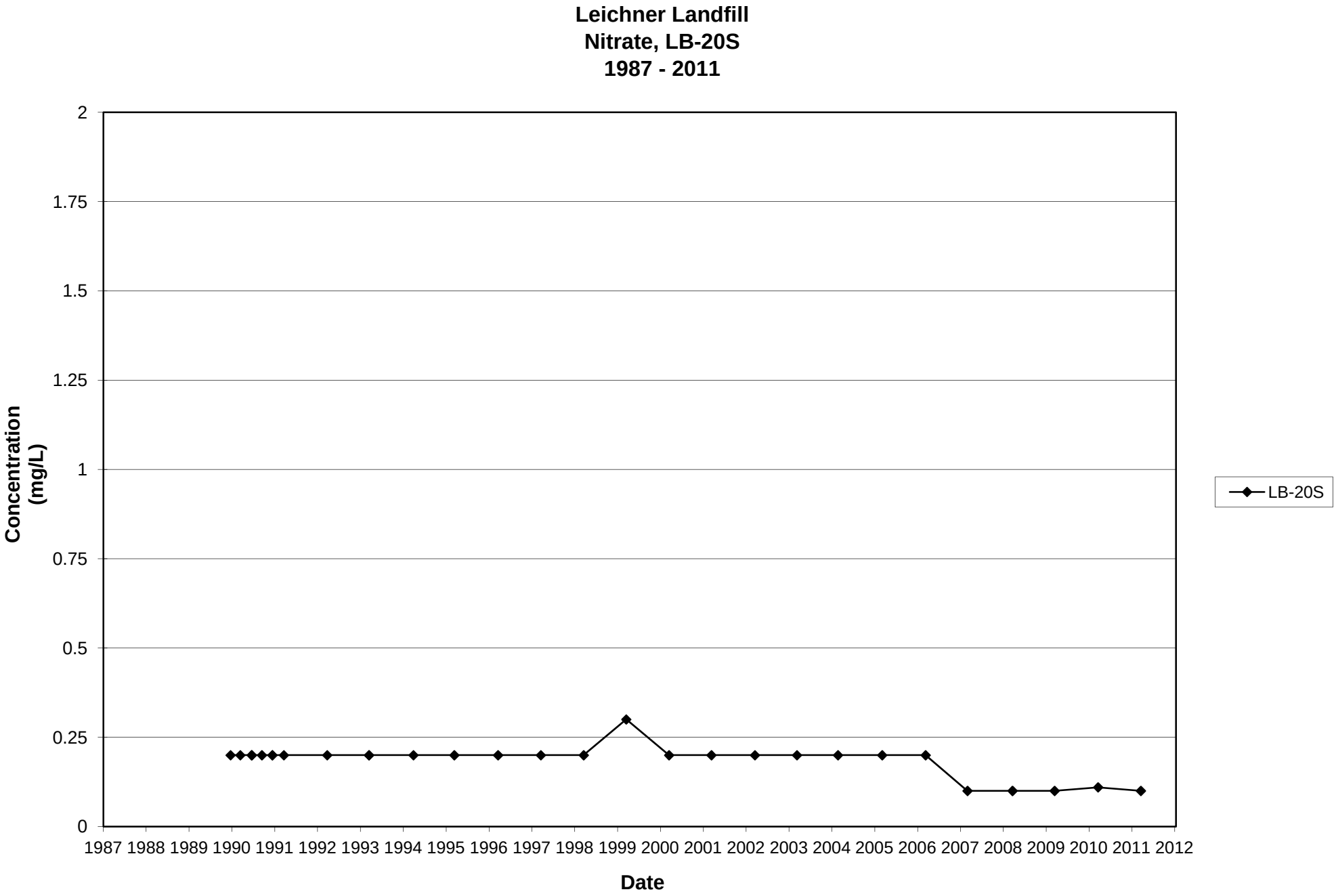


Leichner Landfill
Nitrate, LB-17I
1987 - 2011

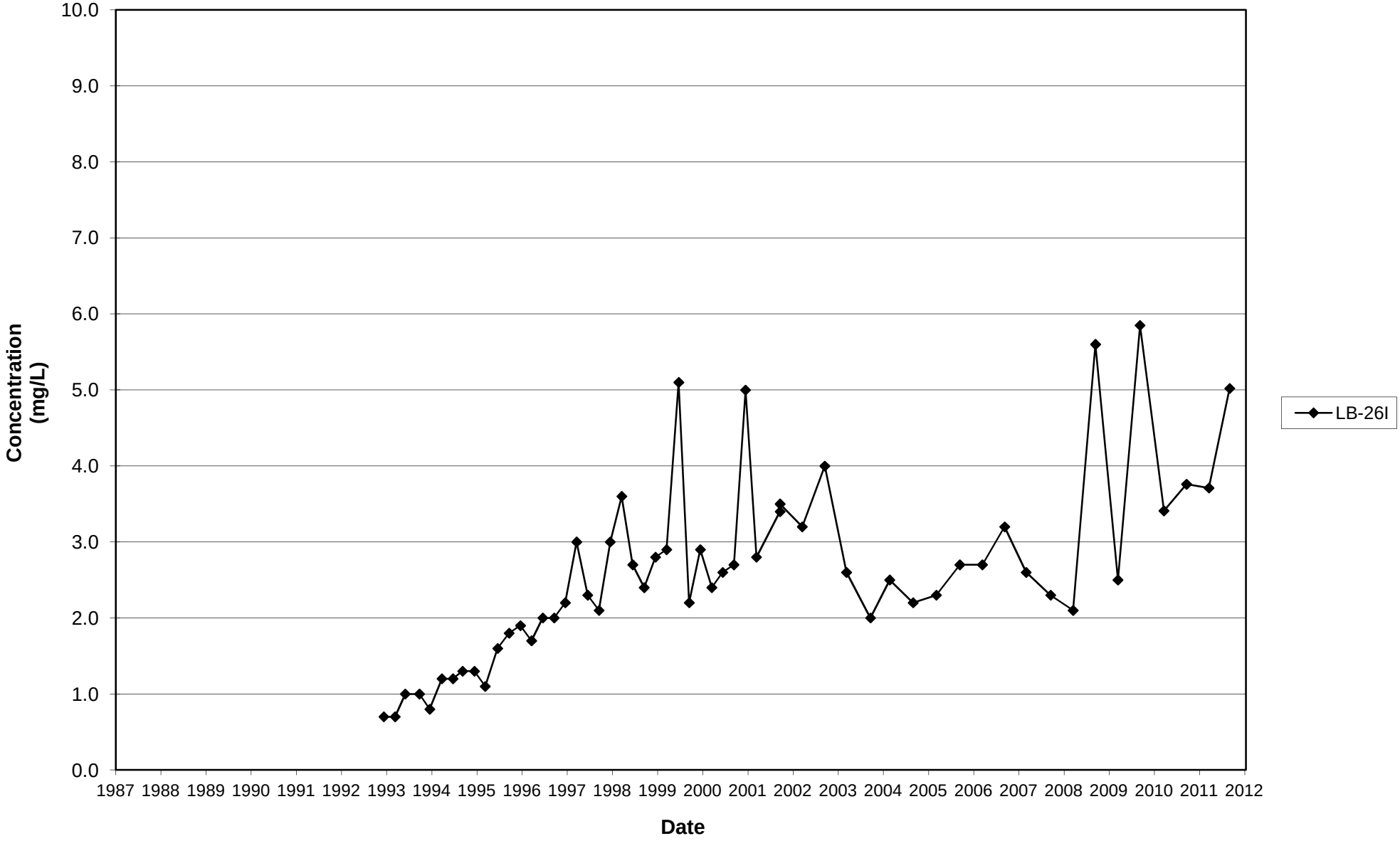


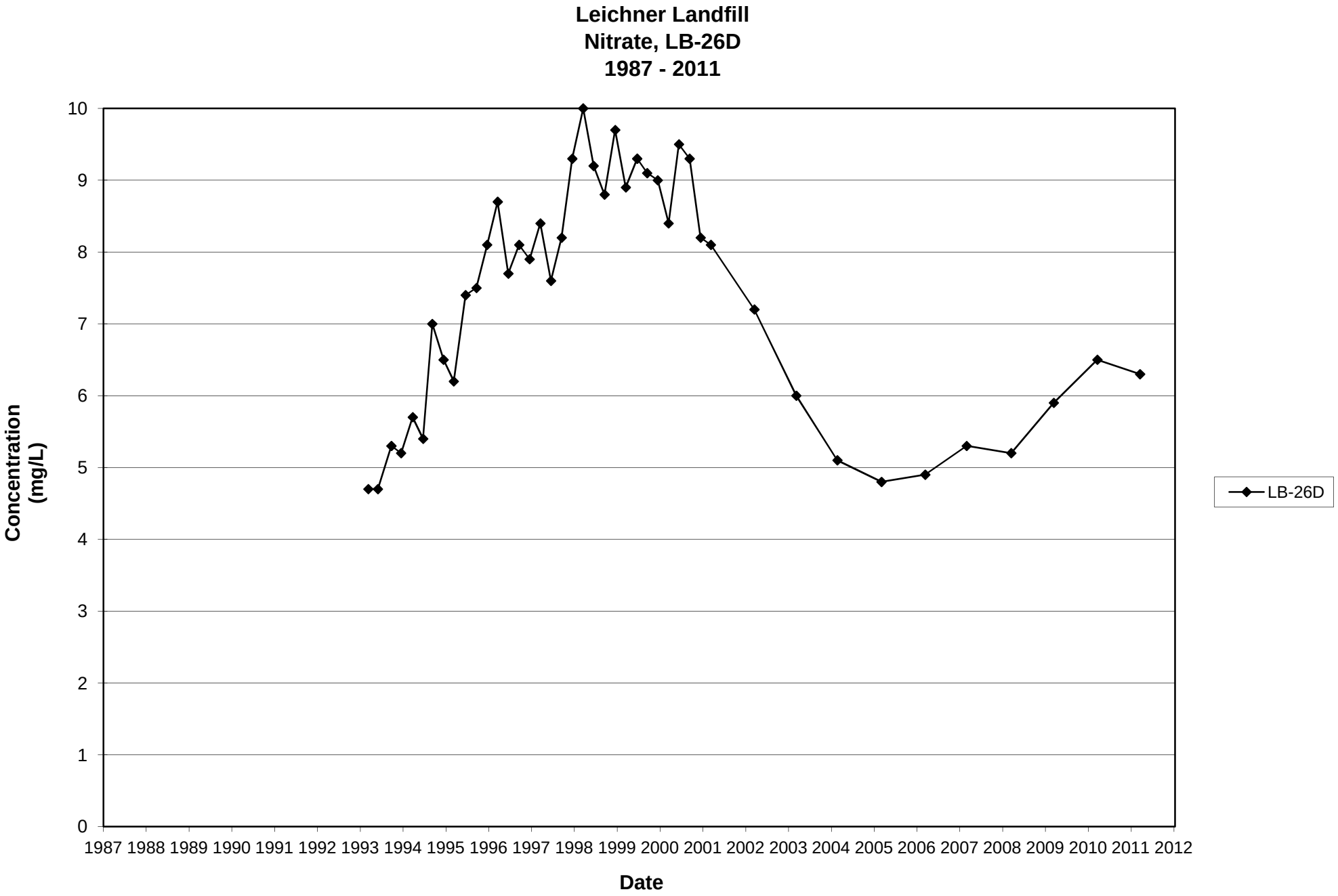
Leichner Landfill
Nitrate, LB-17D
1987 - 2011



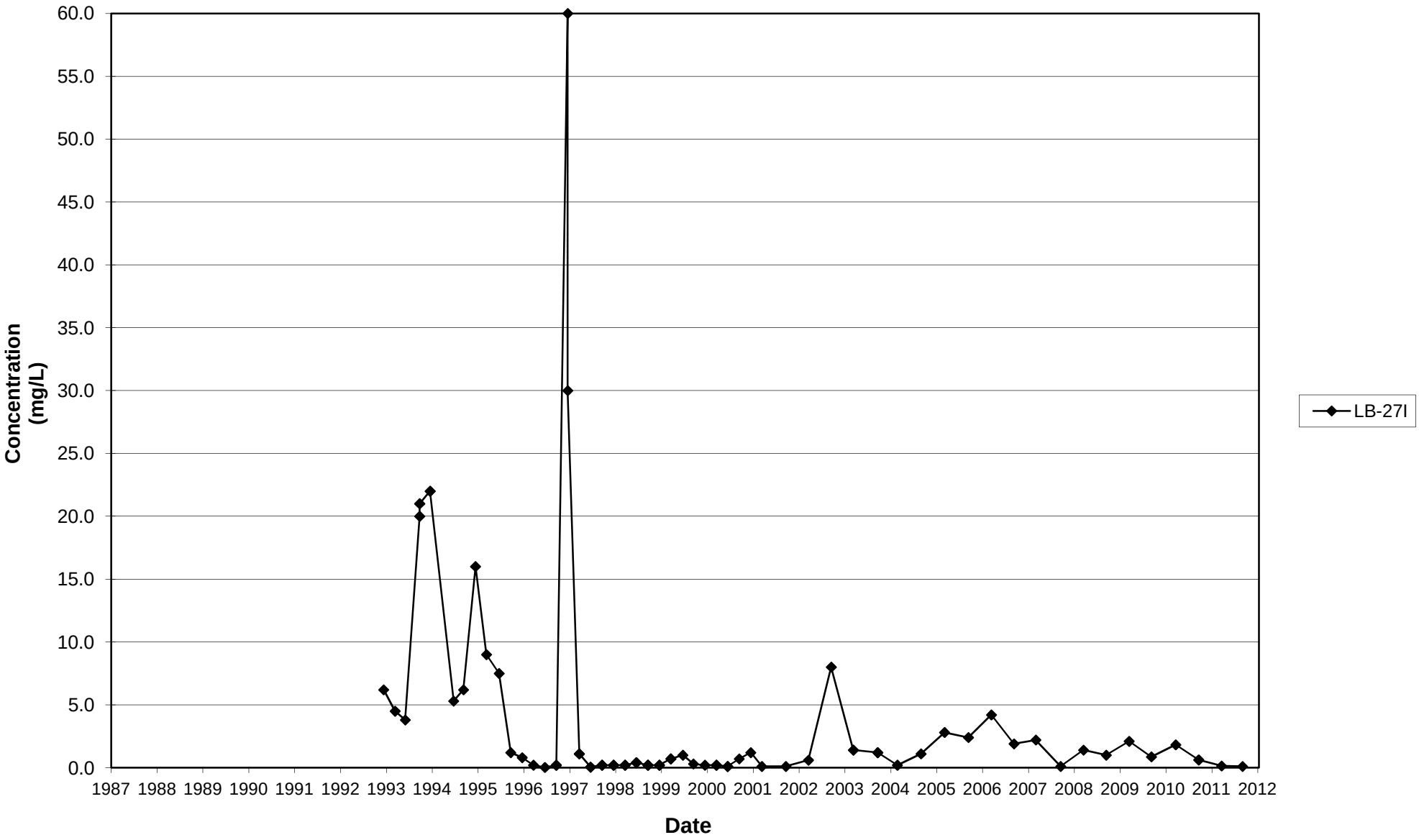

Leichner Landfill
Nitrate, LB-20S
1987 - 2011
Concentration (mg/L)
2
1.75
1.5
1.25
1
0.75
0.5
0.25
0
1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012
Date
LB-20S

Leichner Landfill
Nitrate, LB-26I
1987 - 2011

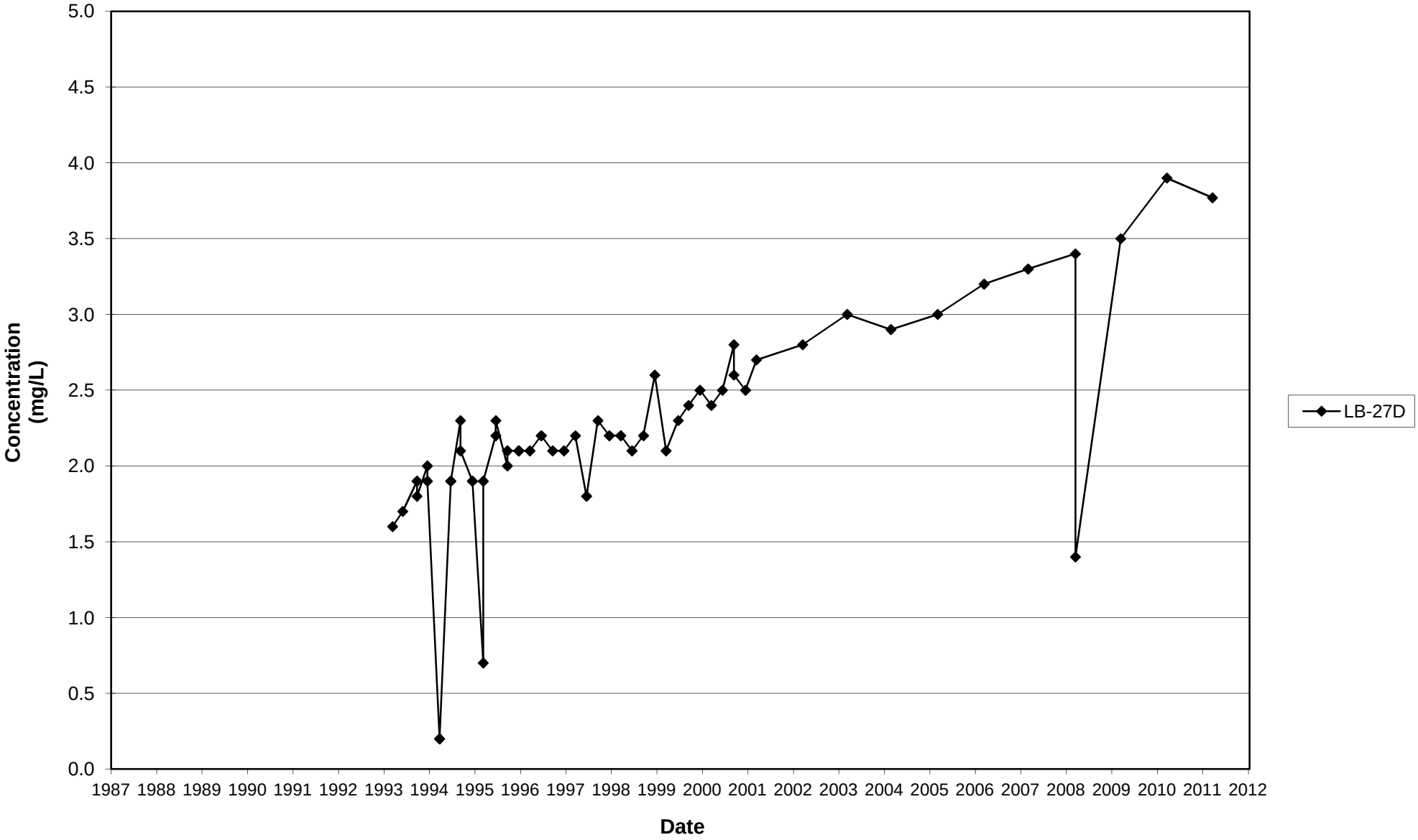



Leichner Landfill
Nitrate, LB-26D
1987 - 2011
Concentration (mg/L)
0
1
2
3
4
5
6
7
8
9
10
1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012
Date
LB-26D

Leichner Landfill
Nitrate, LB-27I
1987 - 2011

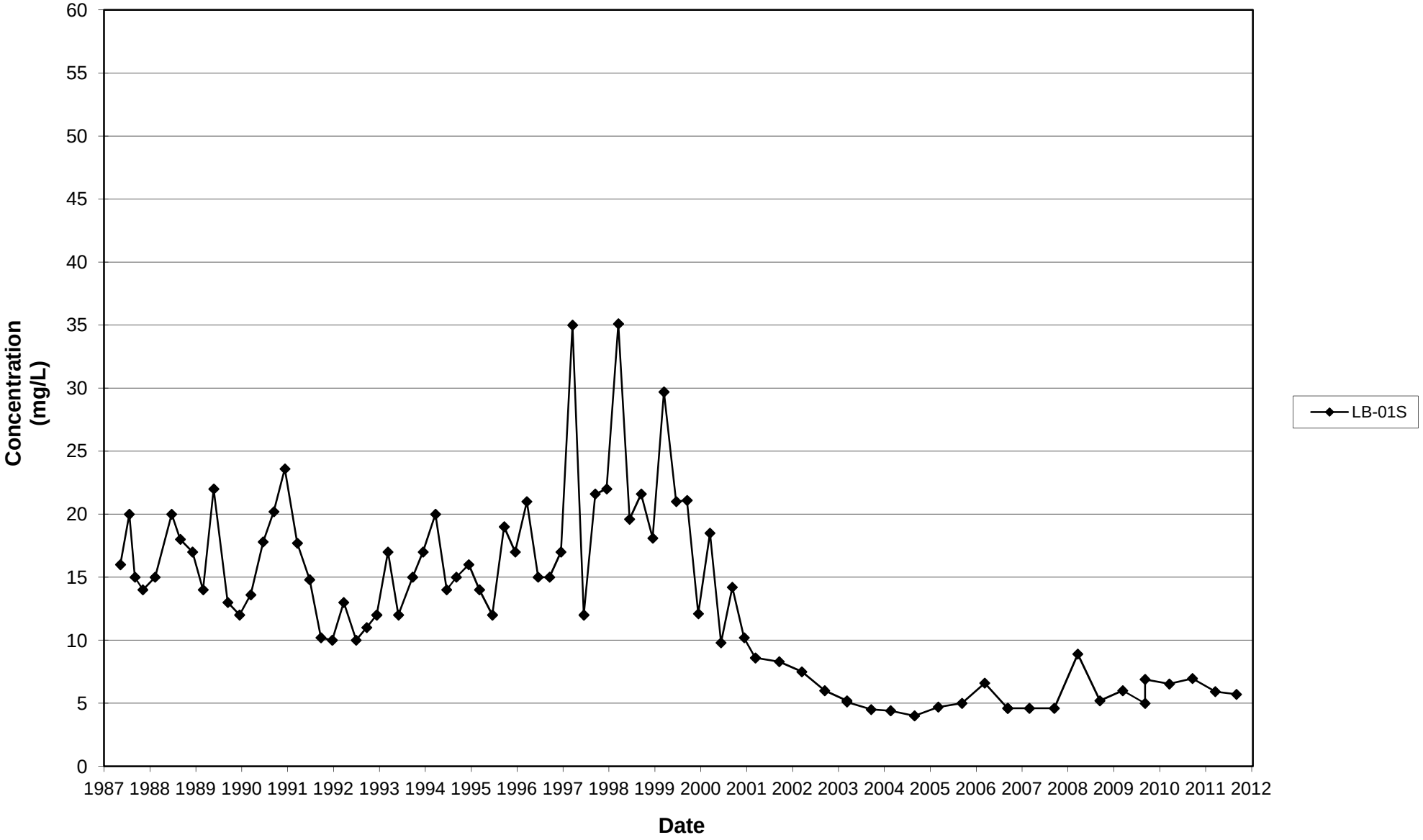


Leichner Landfill
Nitrate, LB-27D
1987 - 2011

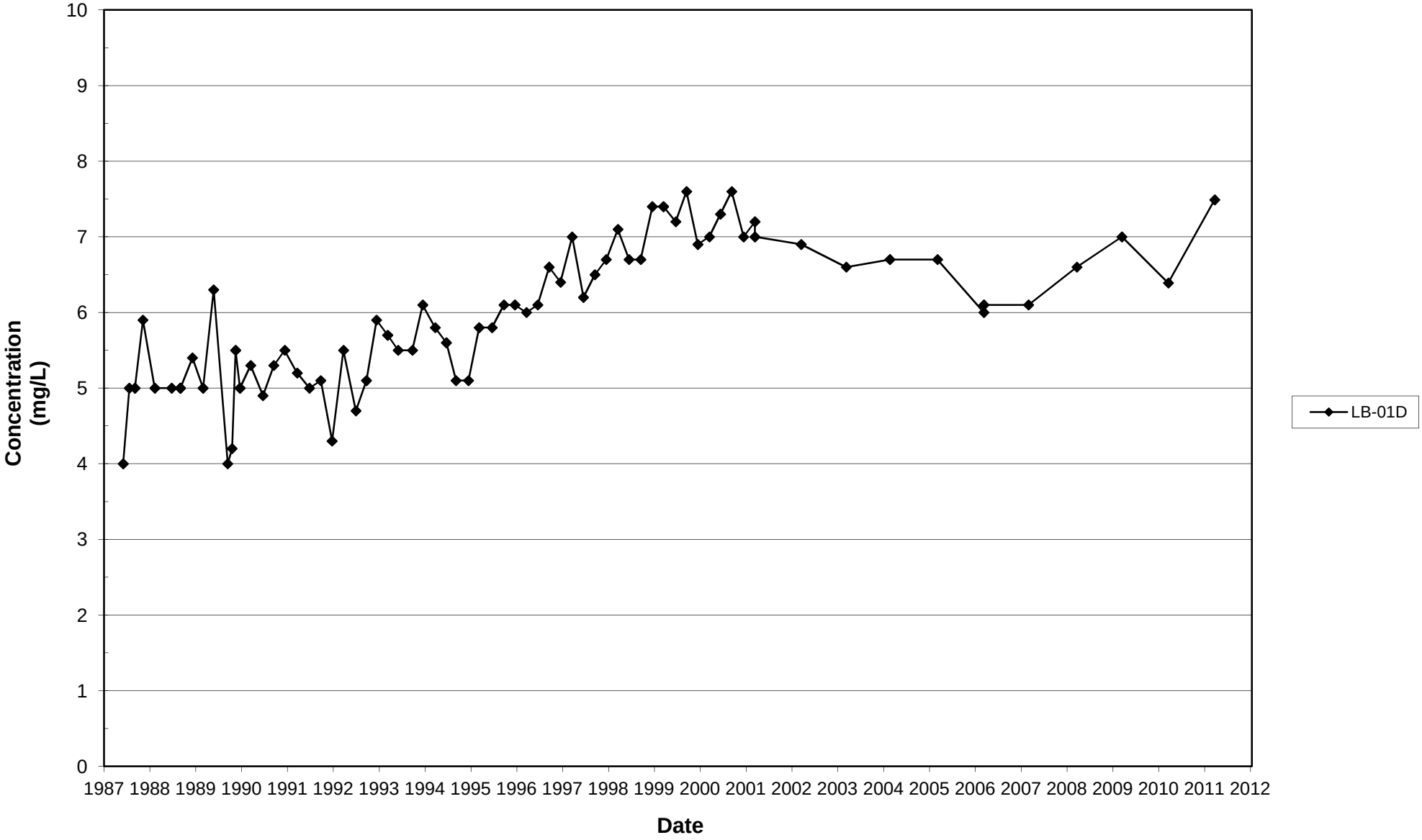


Chloride

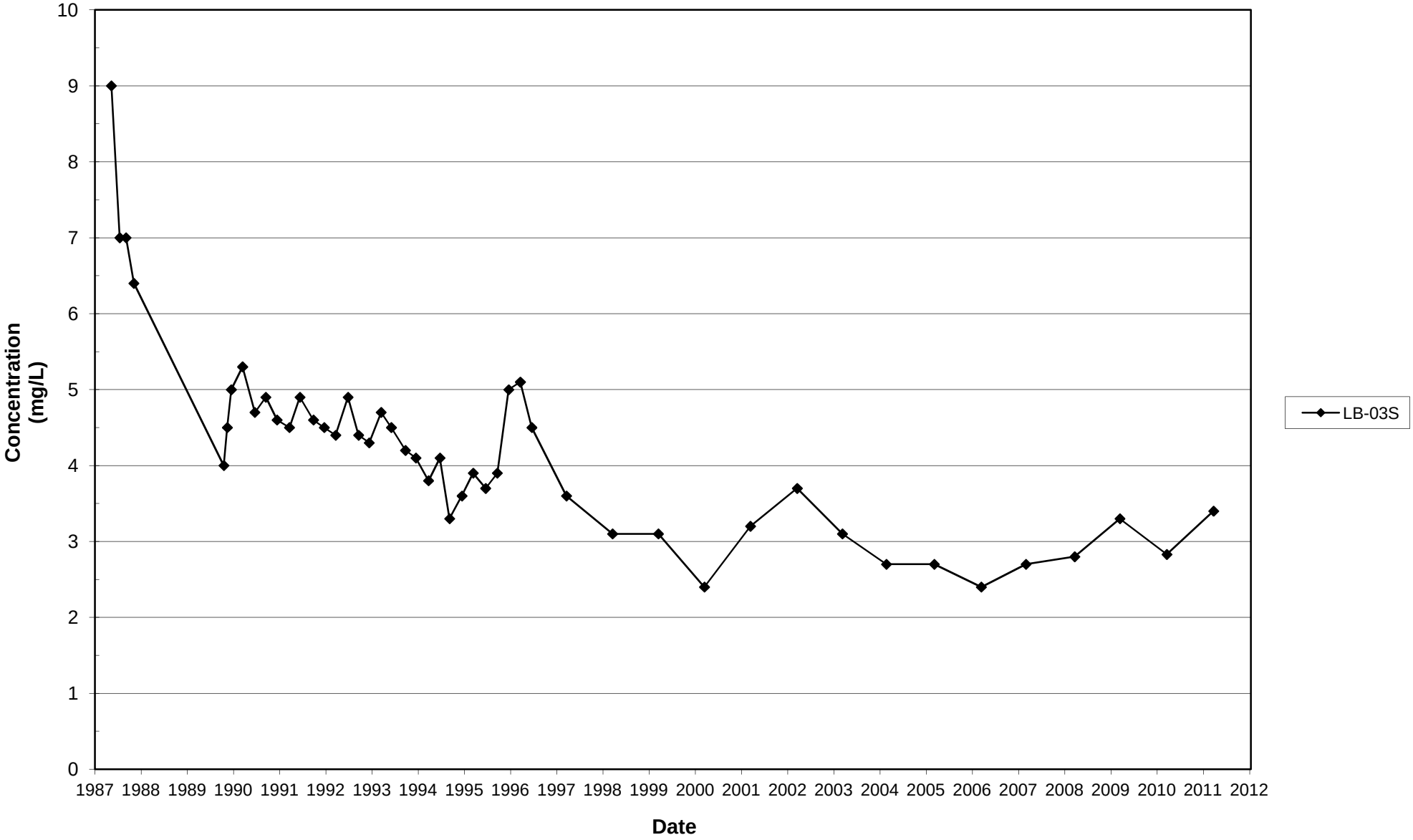
Leichner Landfill
Chloride, LB-01S
1987 - 2011



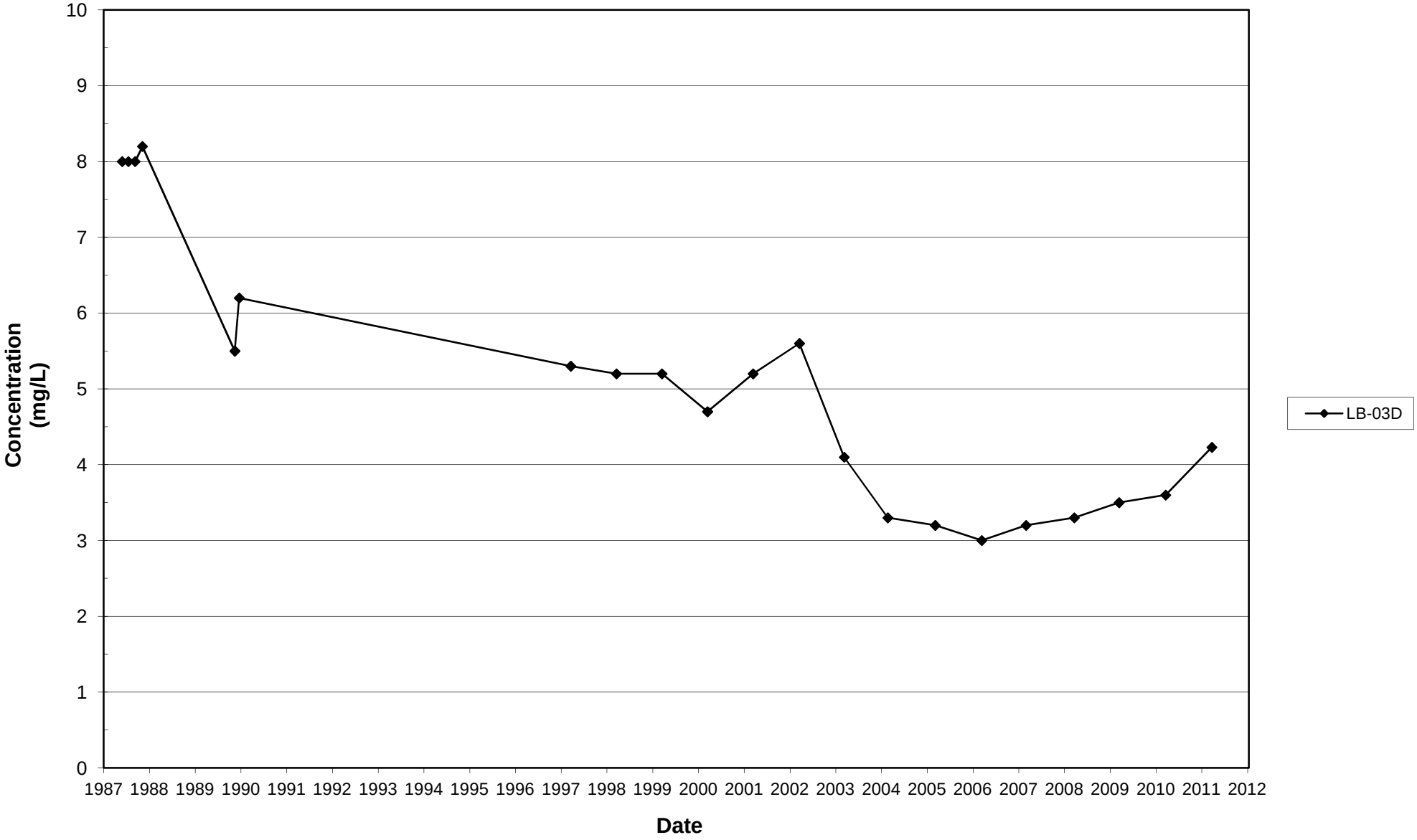
Leichner Landfill
Chloride, LB-01D
1987 - 2011



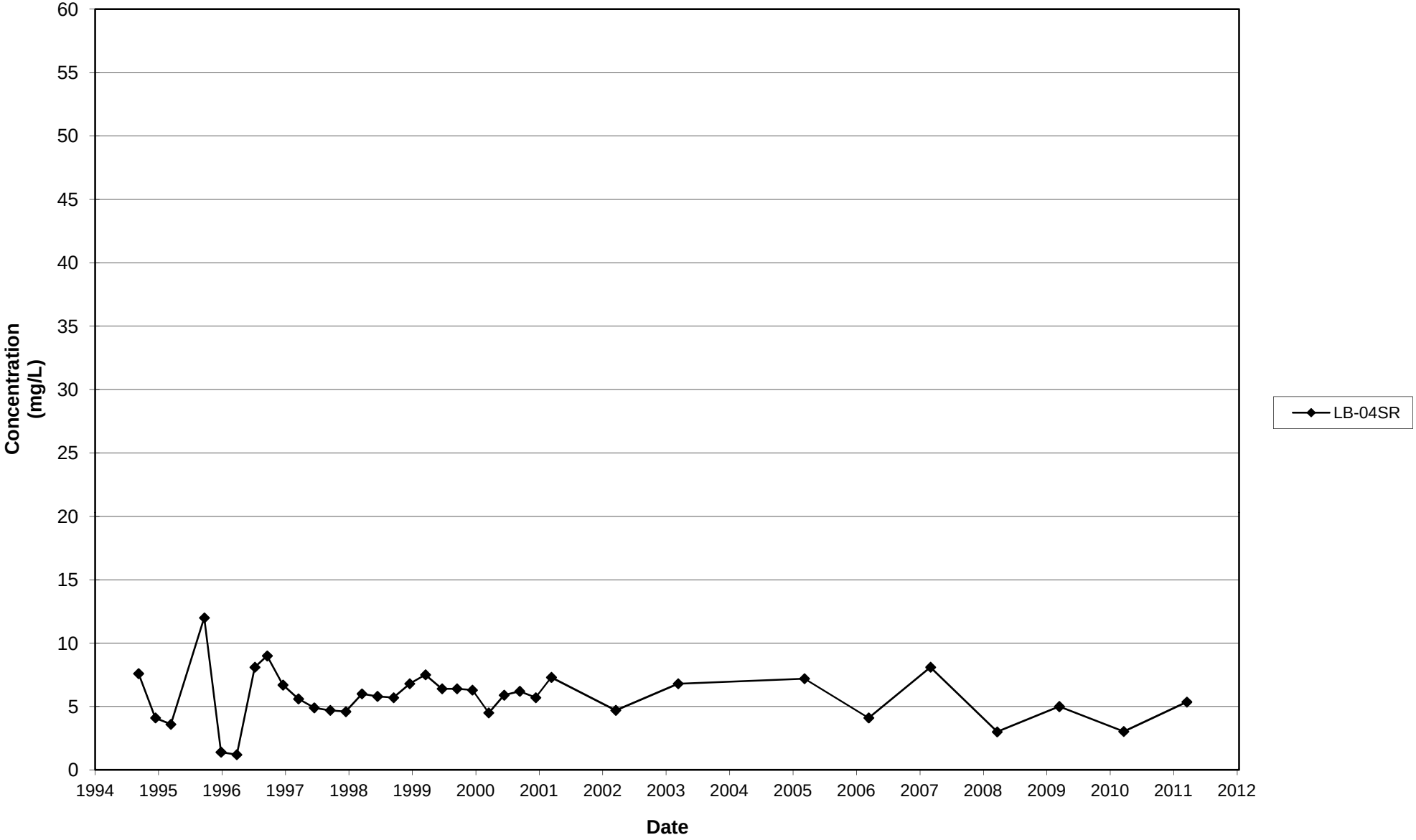
Leichner Landfill
Chloride, LB-03S
1987 - 2011



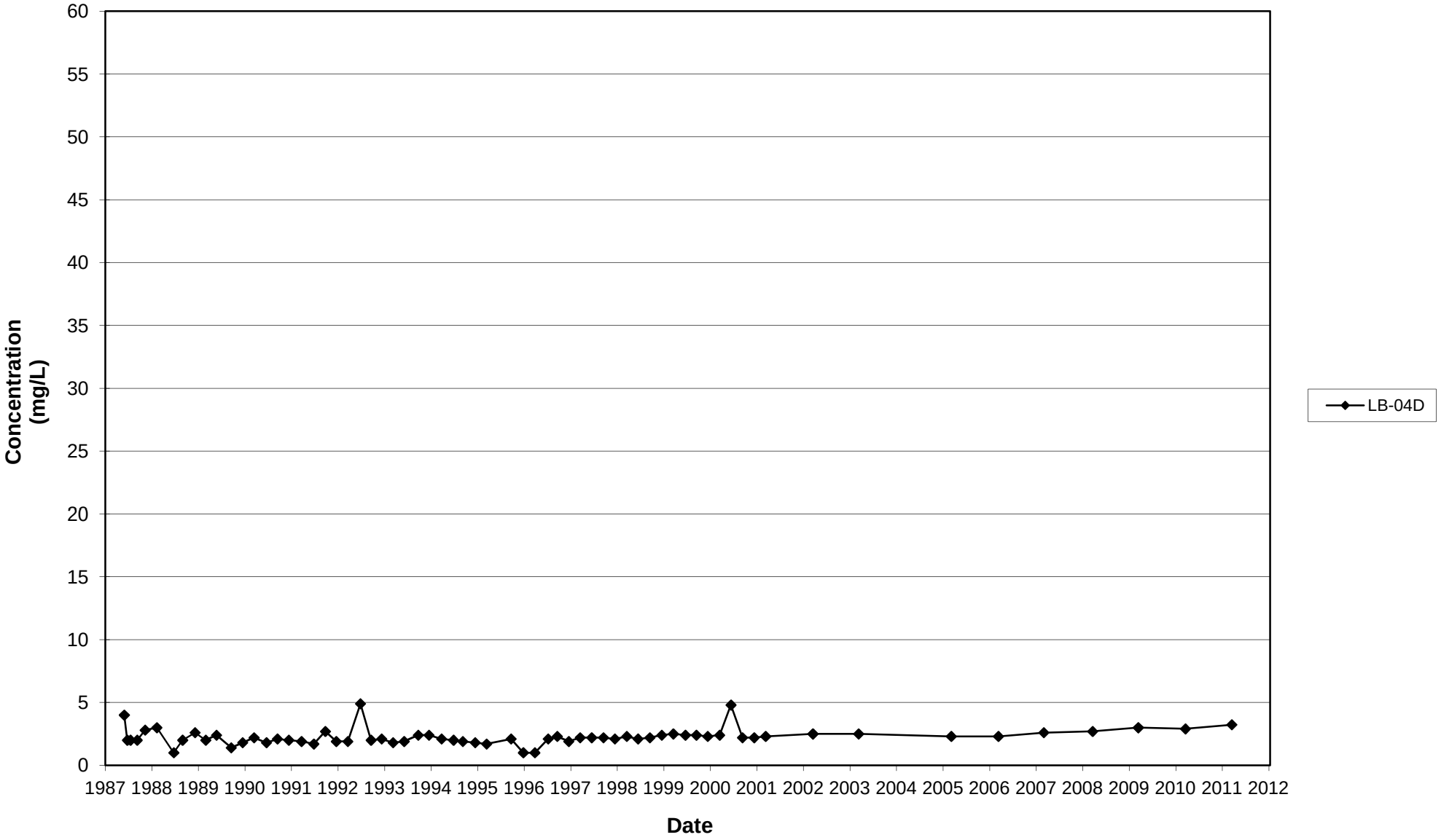
Leichner Landfill
Chloride, LB-03D
1987 - 2011



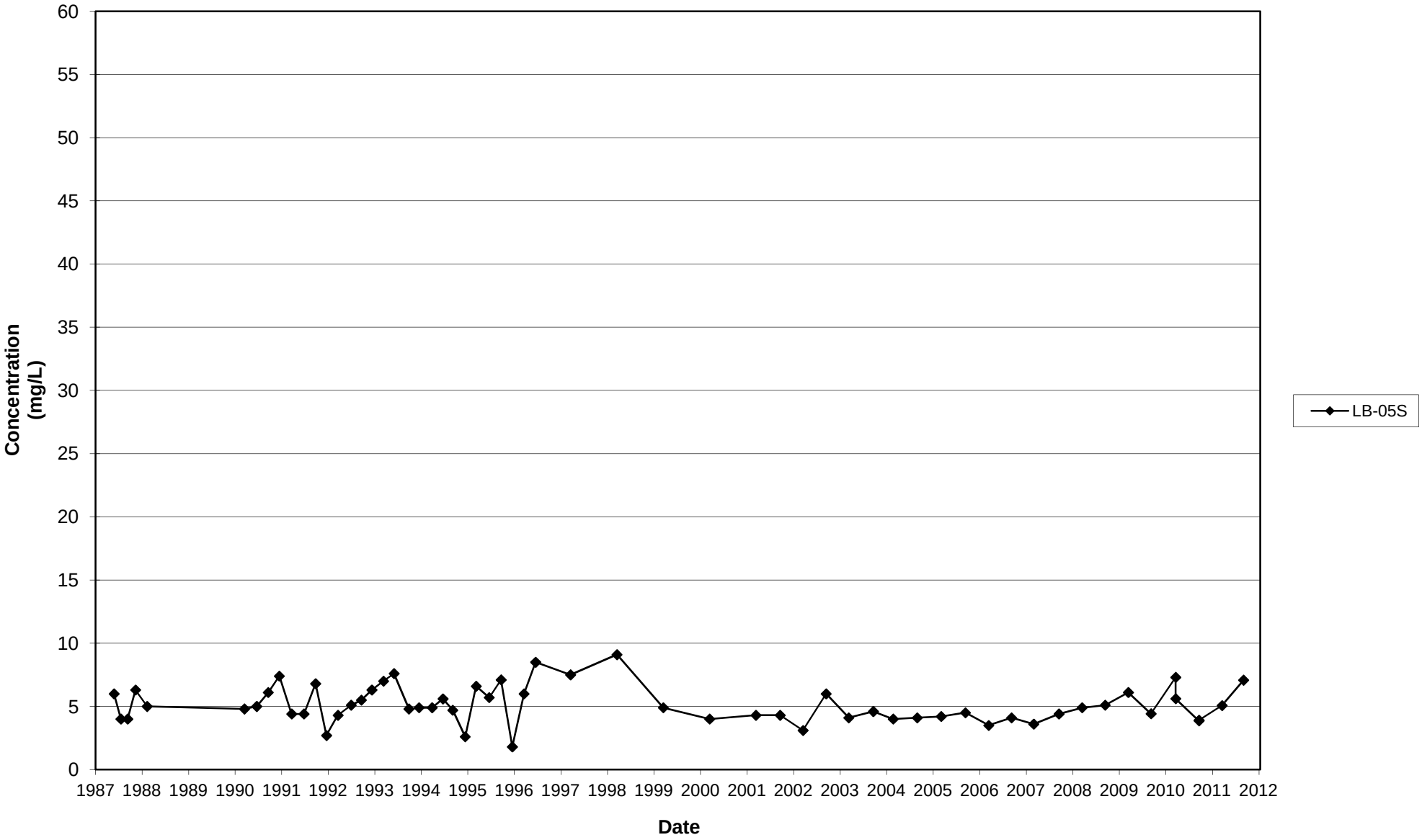
Leichner Landfill
Chloride, LB-04SR
1987 - 2011



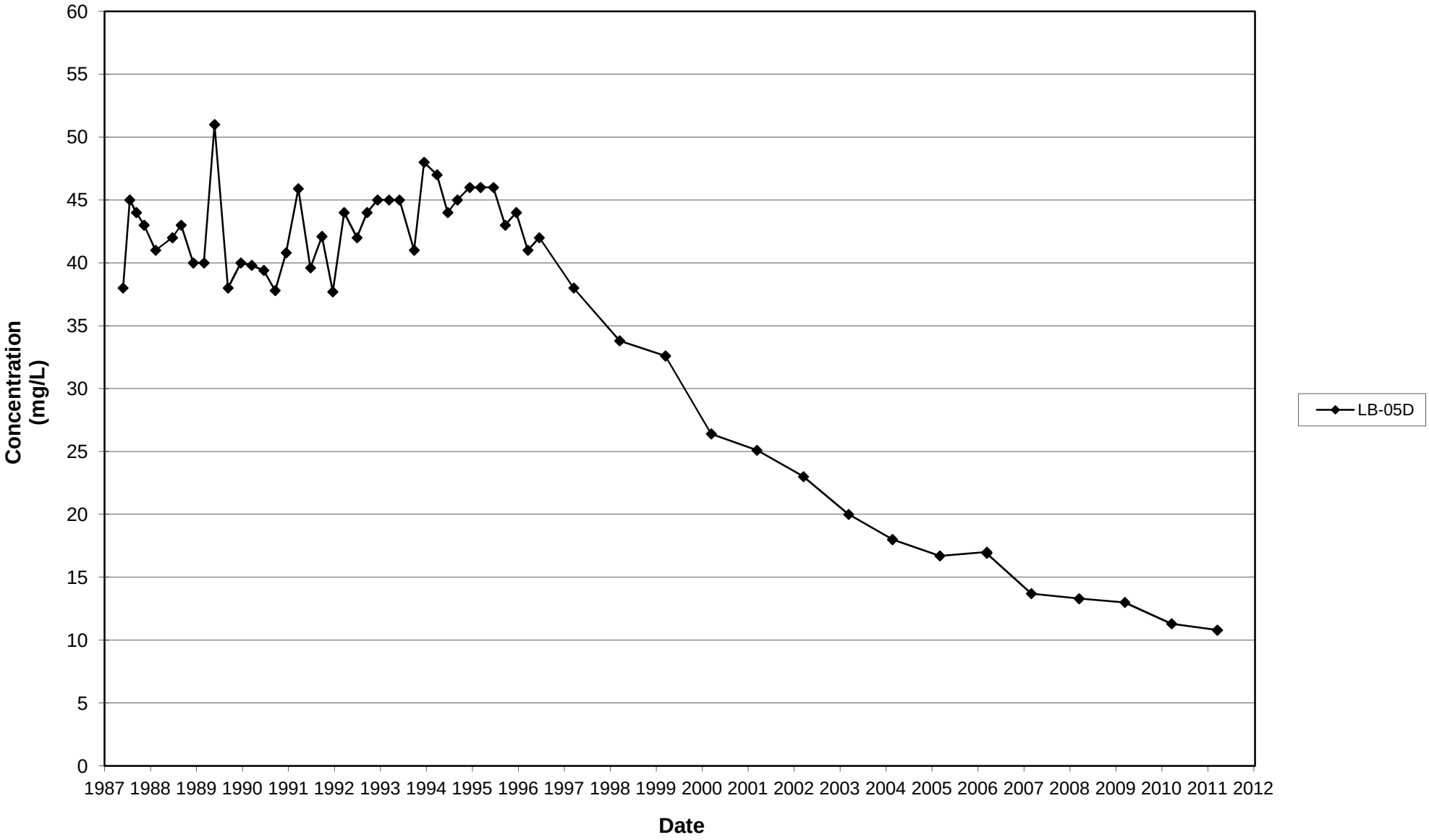
Leichner Landfill
Chloride, LB-04D
1987 - 2011



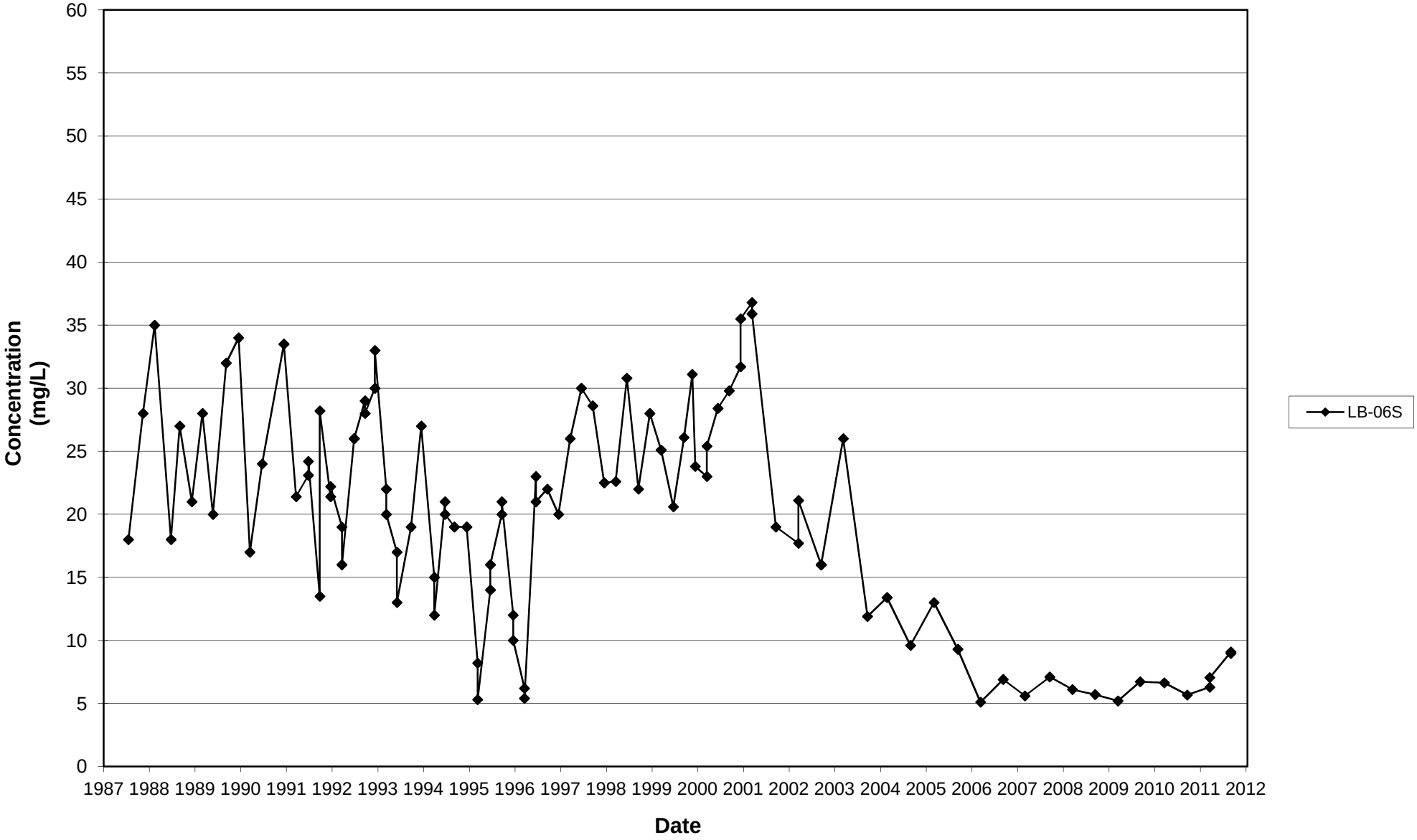
Leichner Landfill
Chloride, LB-05S
1987 - 2011



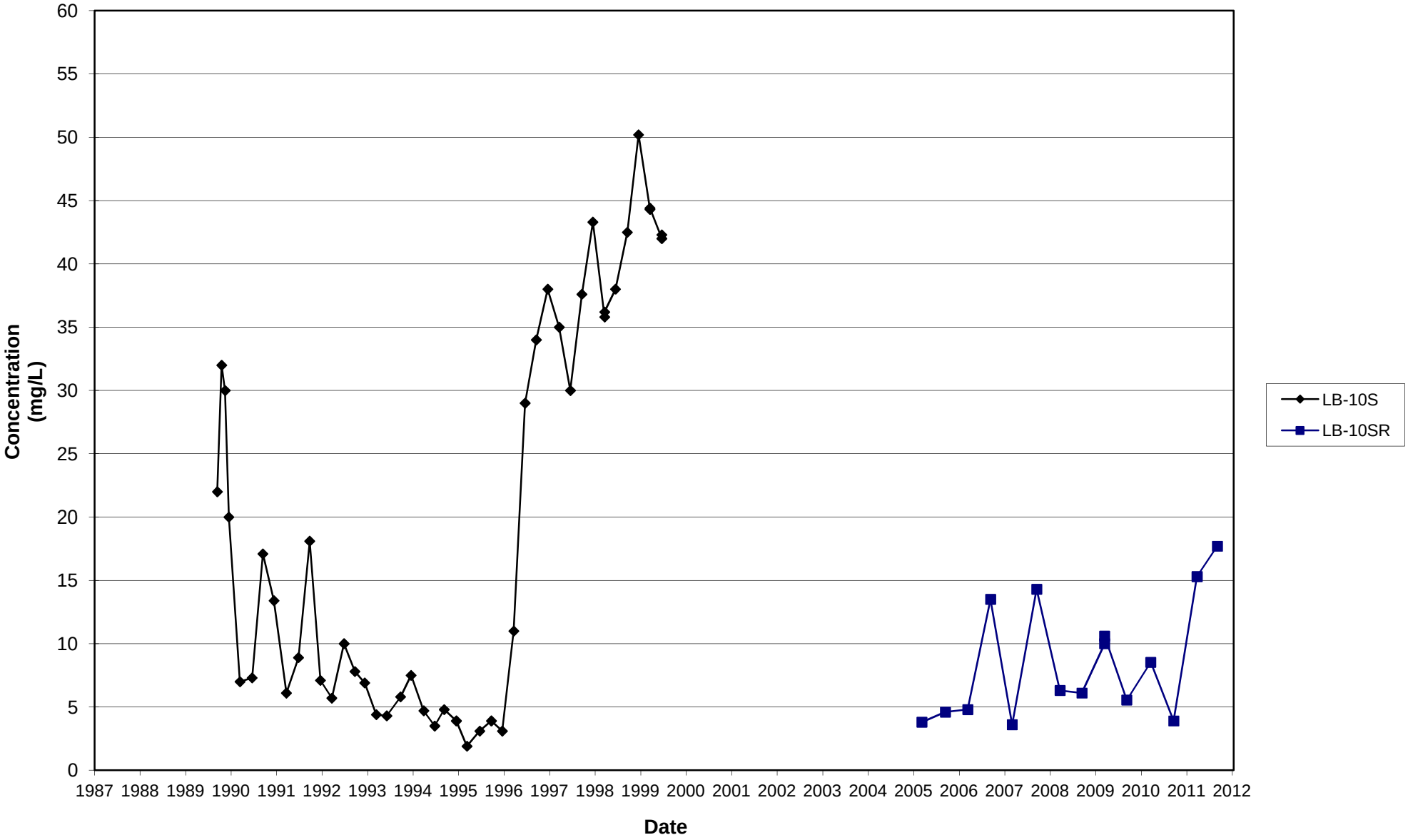
Leichner Landfill
Chloride, LB-05D
1987 - 2011



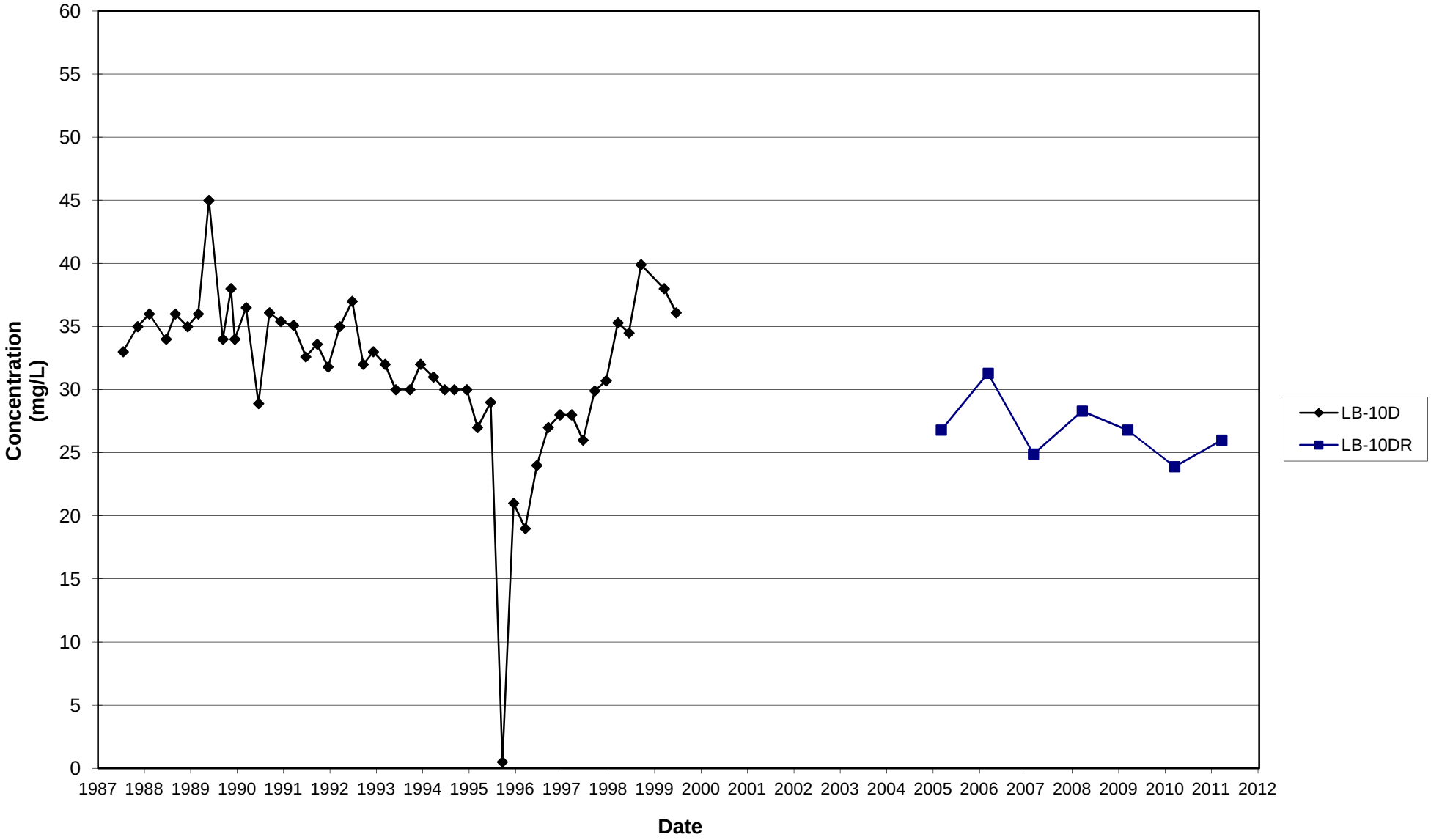
Leichner Landfill
Chloride, LB-06S
1987 - 2011



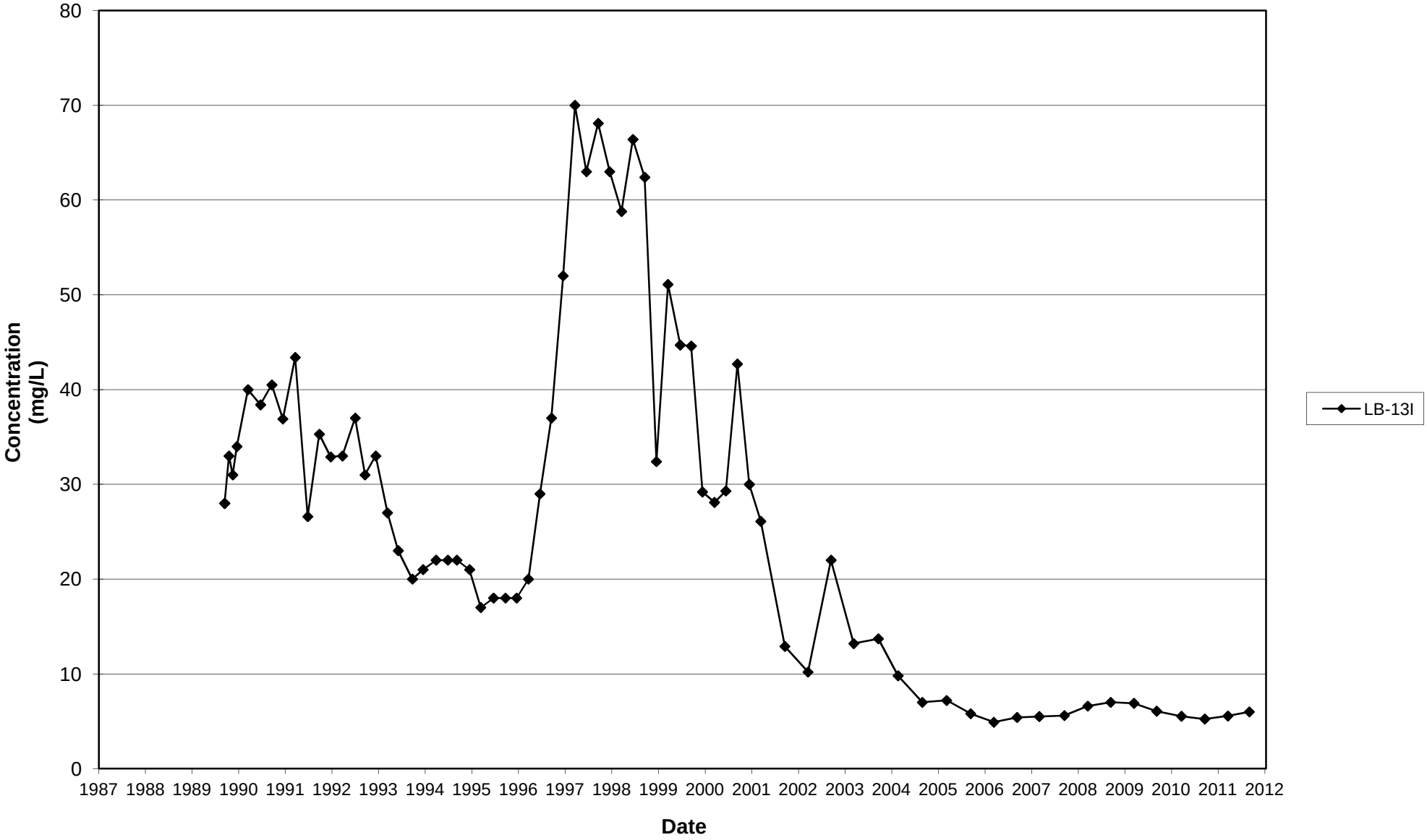
Leichner Landfill
Chloride, LB-10S and LB-10SR
1987 - 2011



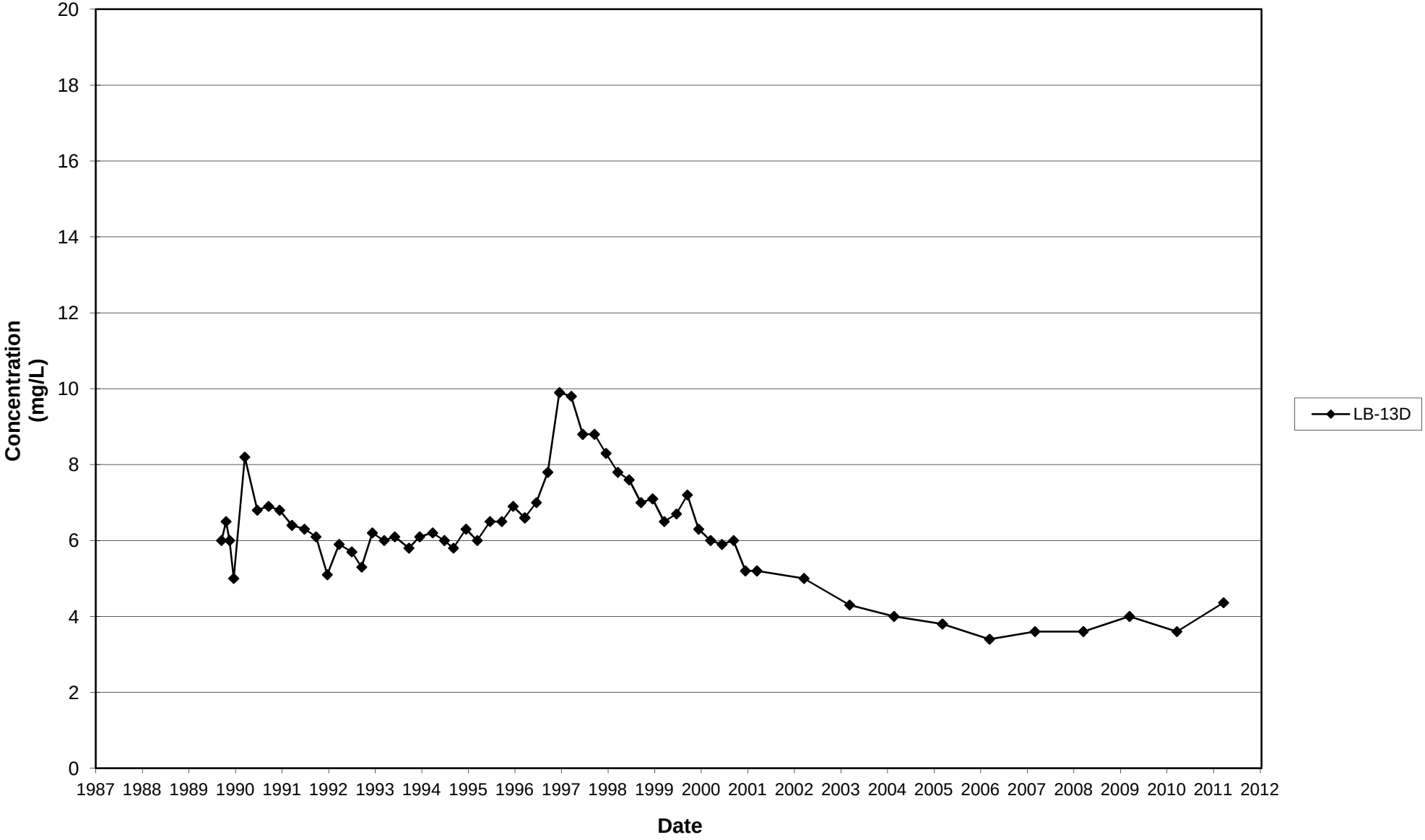
Leichner Landfill
Chloride, LB-10D and LB-10DR
1987 - 2011



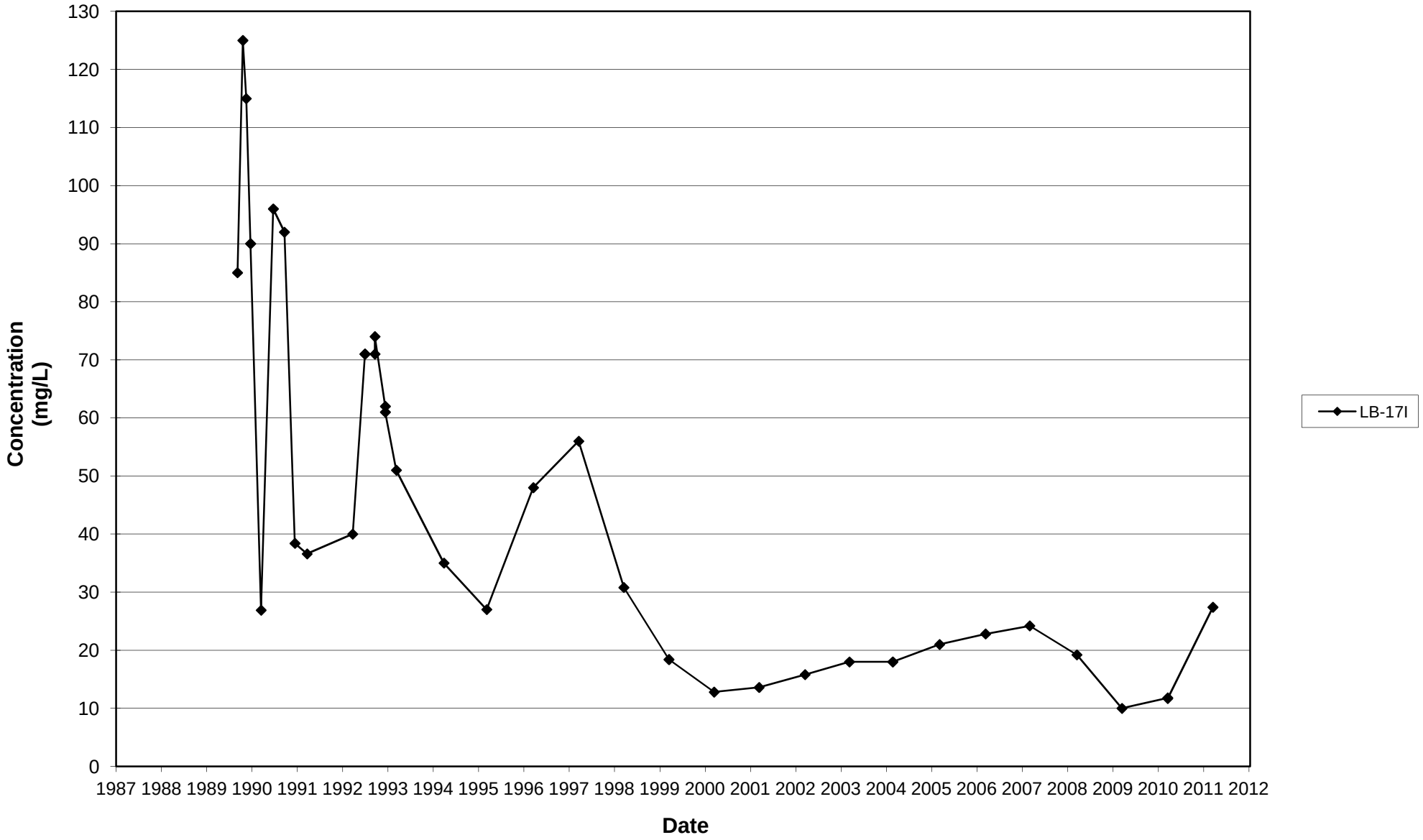
Leichner Landfill
Chloride, LB-13I
1987 - 2011



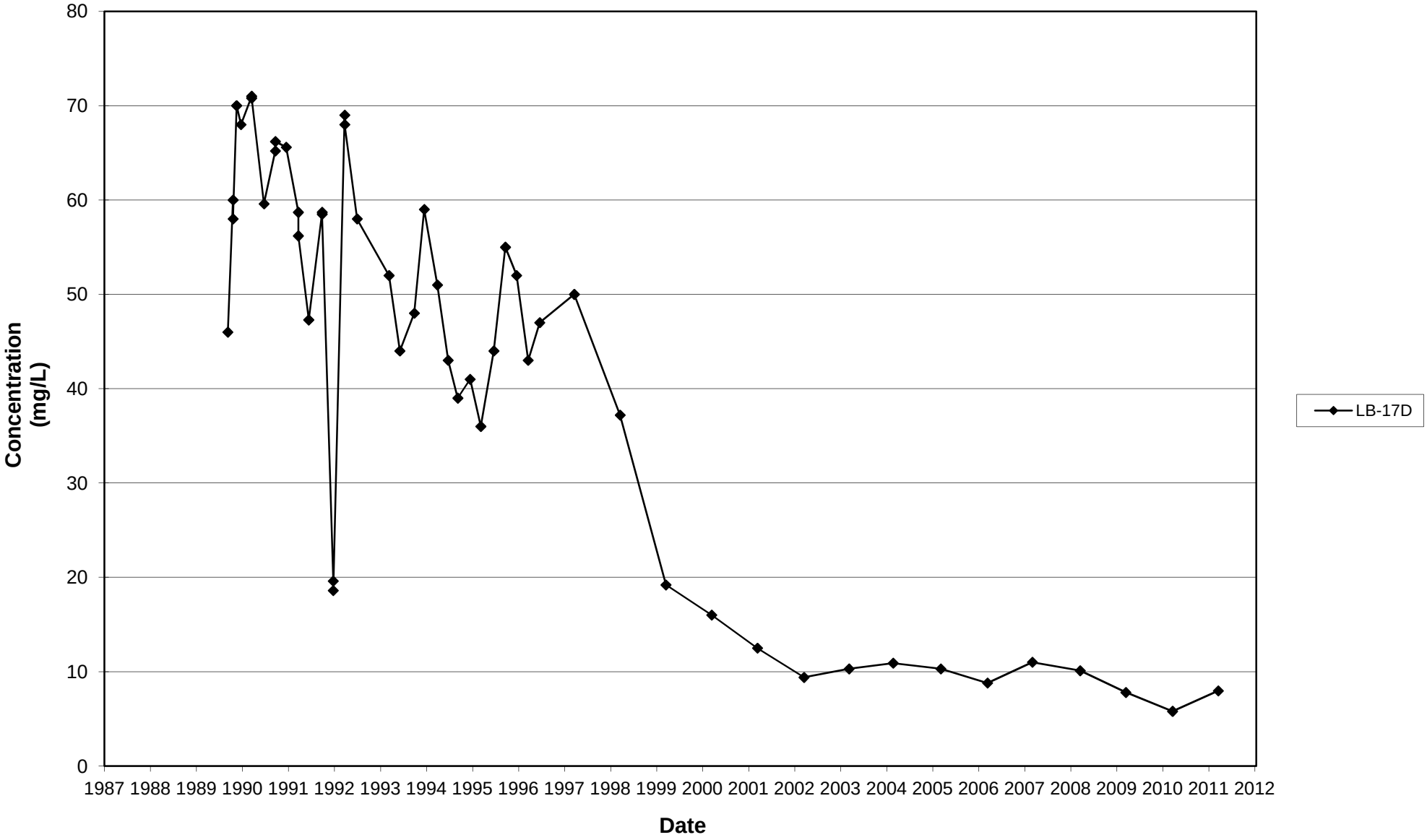
Leichner Landfill
Chloride, LB-13D
1987 - 2011



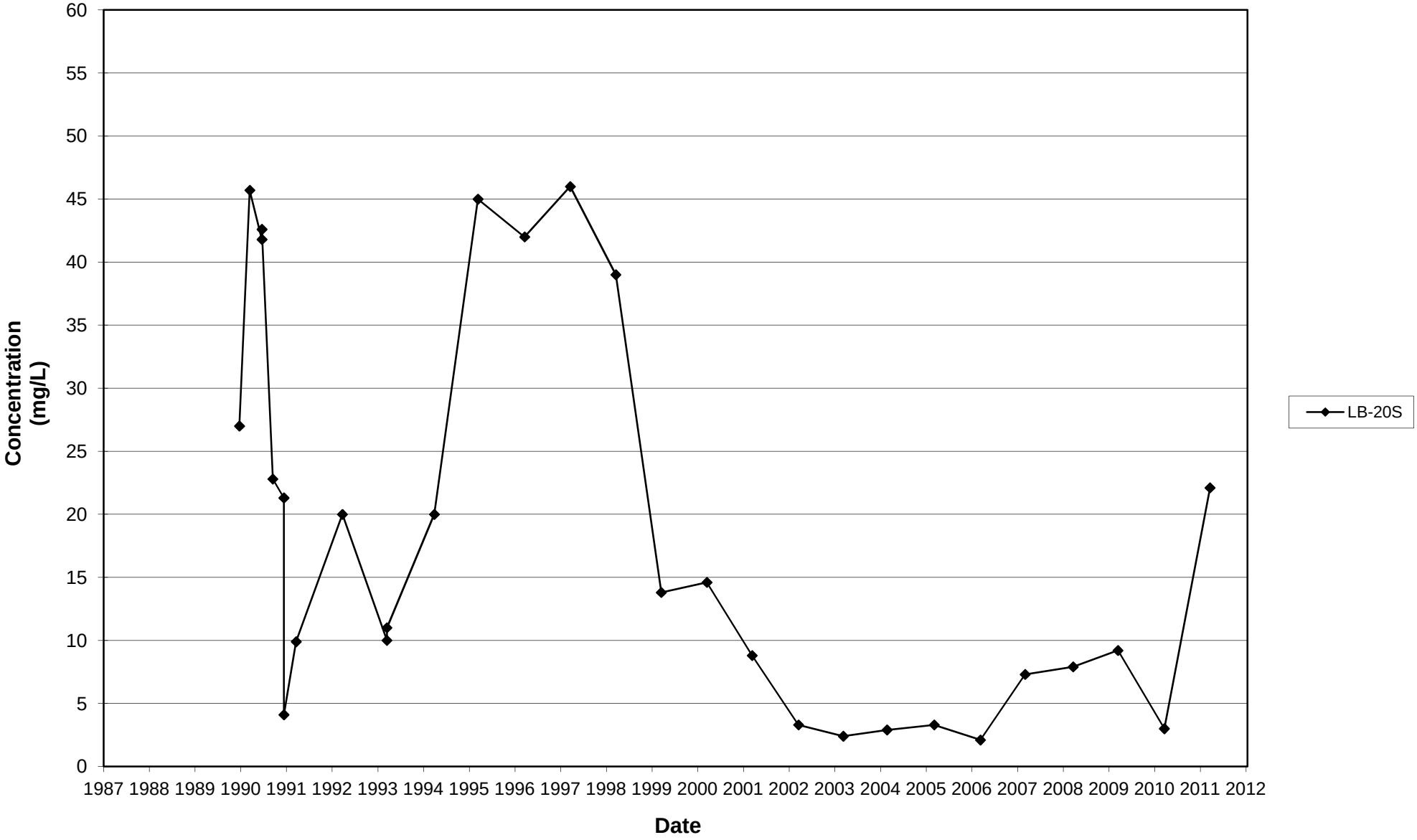
Leichner Landfill
Chloride, LB-17I
1987 - 2011



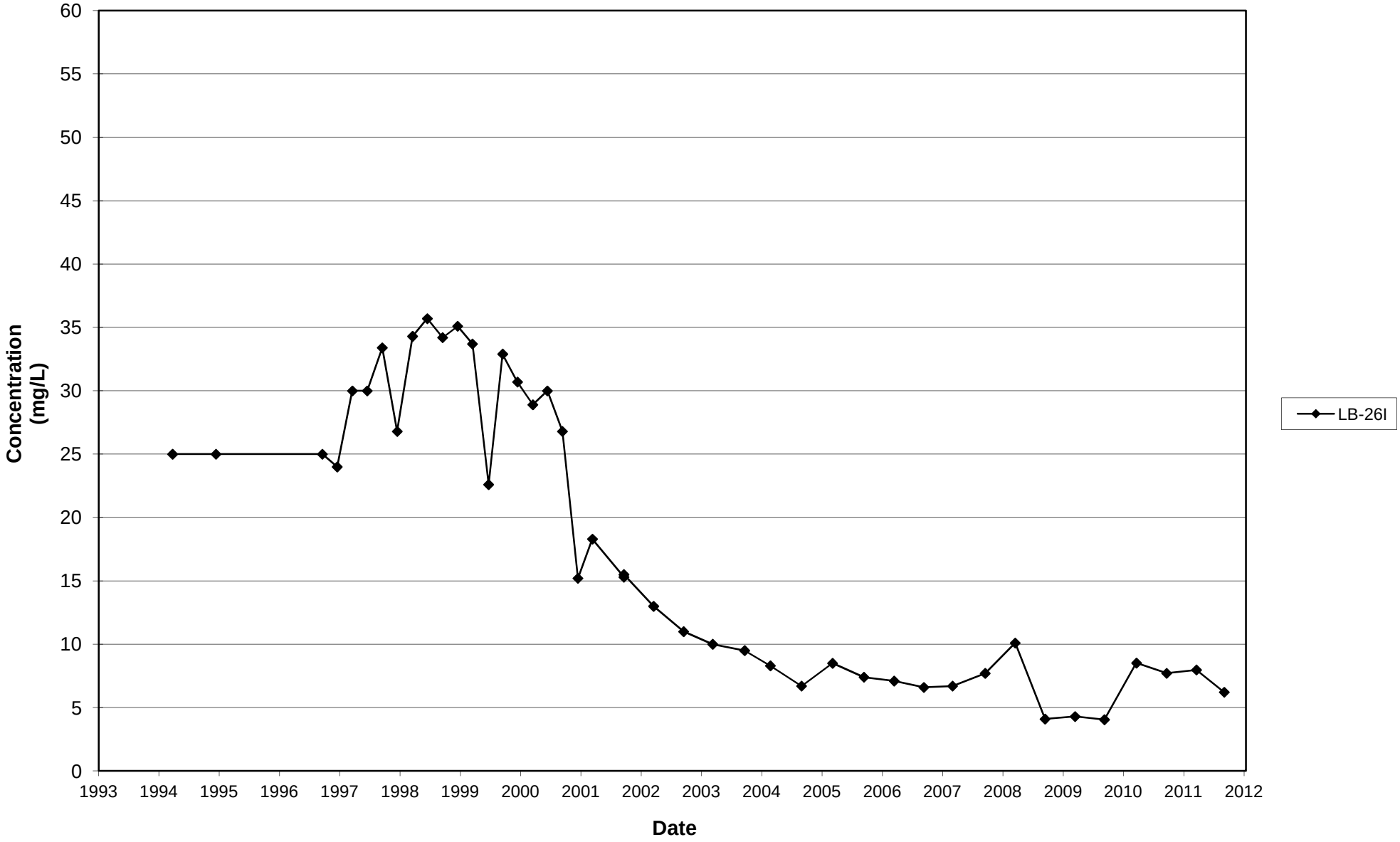
Leichner Landfill
Chloride, LB-17D
1987 - 2011

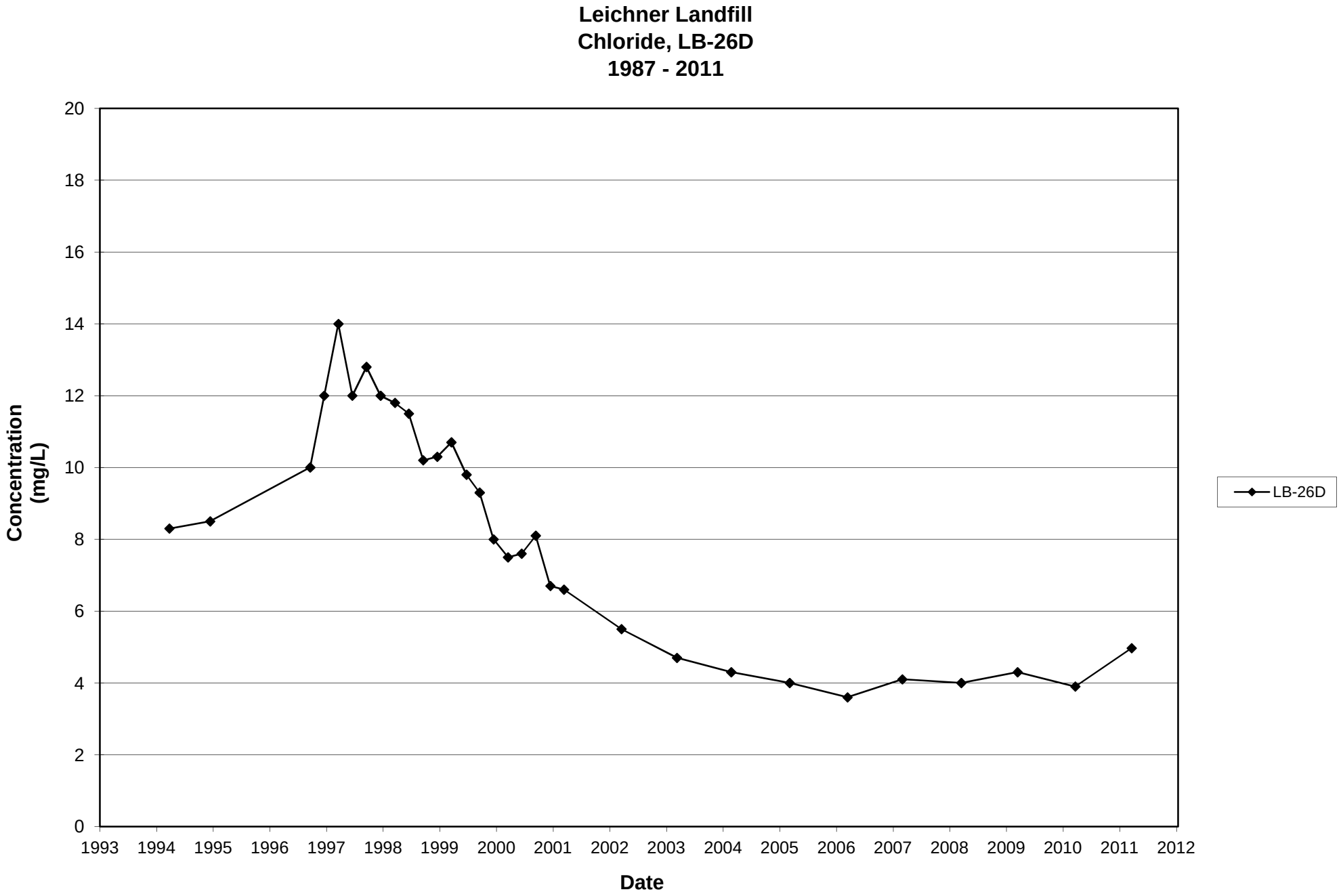


Leichner Landfill
Chloride, LB-20S
1987 - 2011

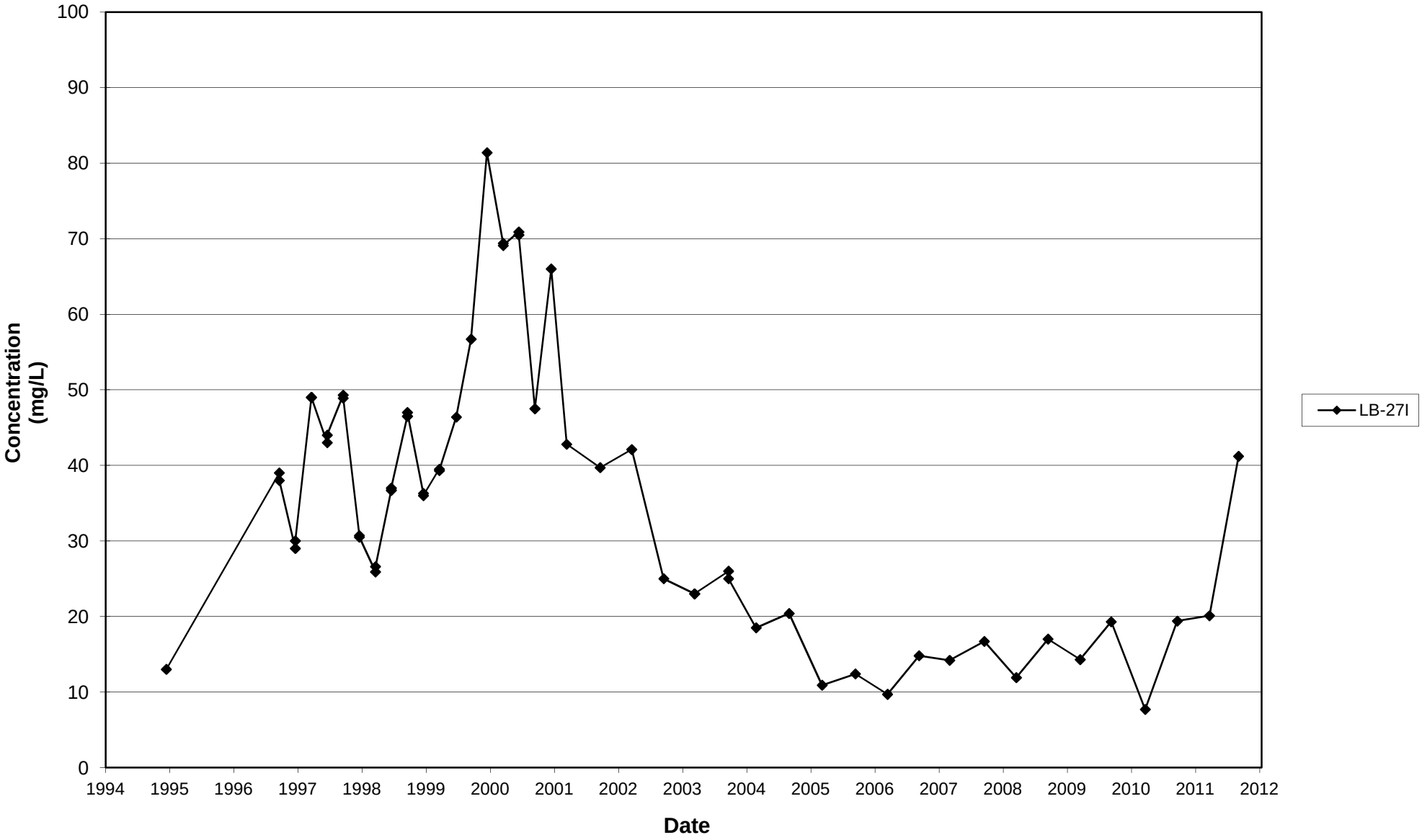


Leichner Landfill
Chloride, LB-26I
1987 - 2011

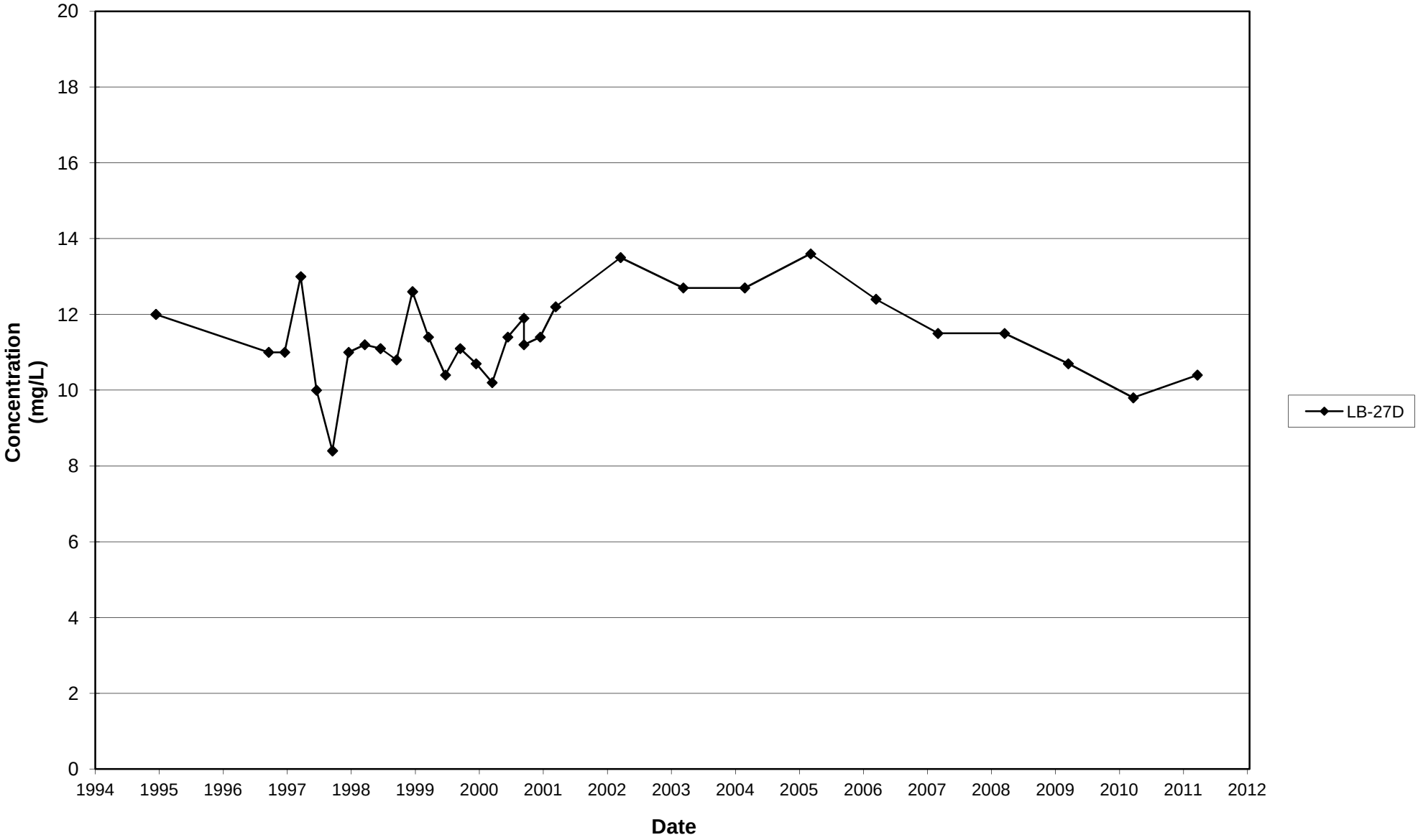



Leichner Landfill
Chloride, LB-26D
1987 - 2011
Concentration (mg/L)
0
2
4
6
8
10
12
14
16
18
20
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Date
LB-26D

Leichner Landfill
Chloride, LB-27I
1987 - 2011

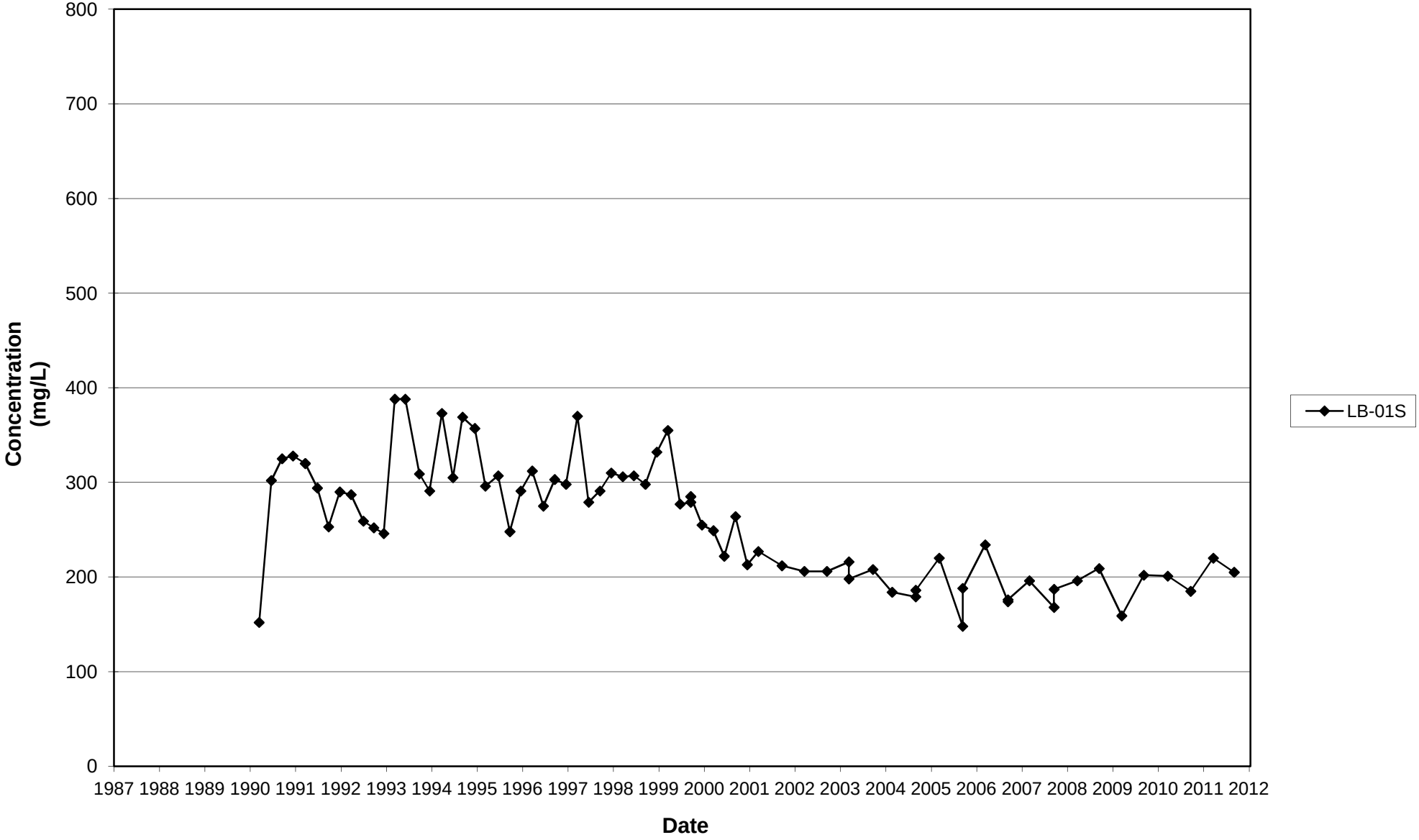


Leichner Landfill
Chloride, LB-27D
1987 - 2011

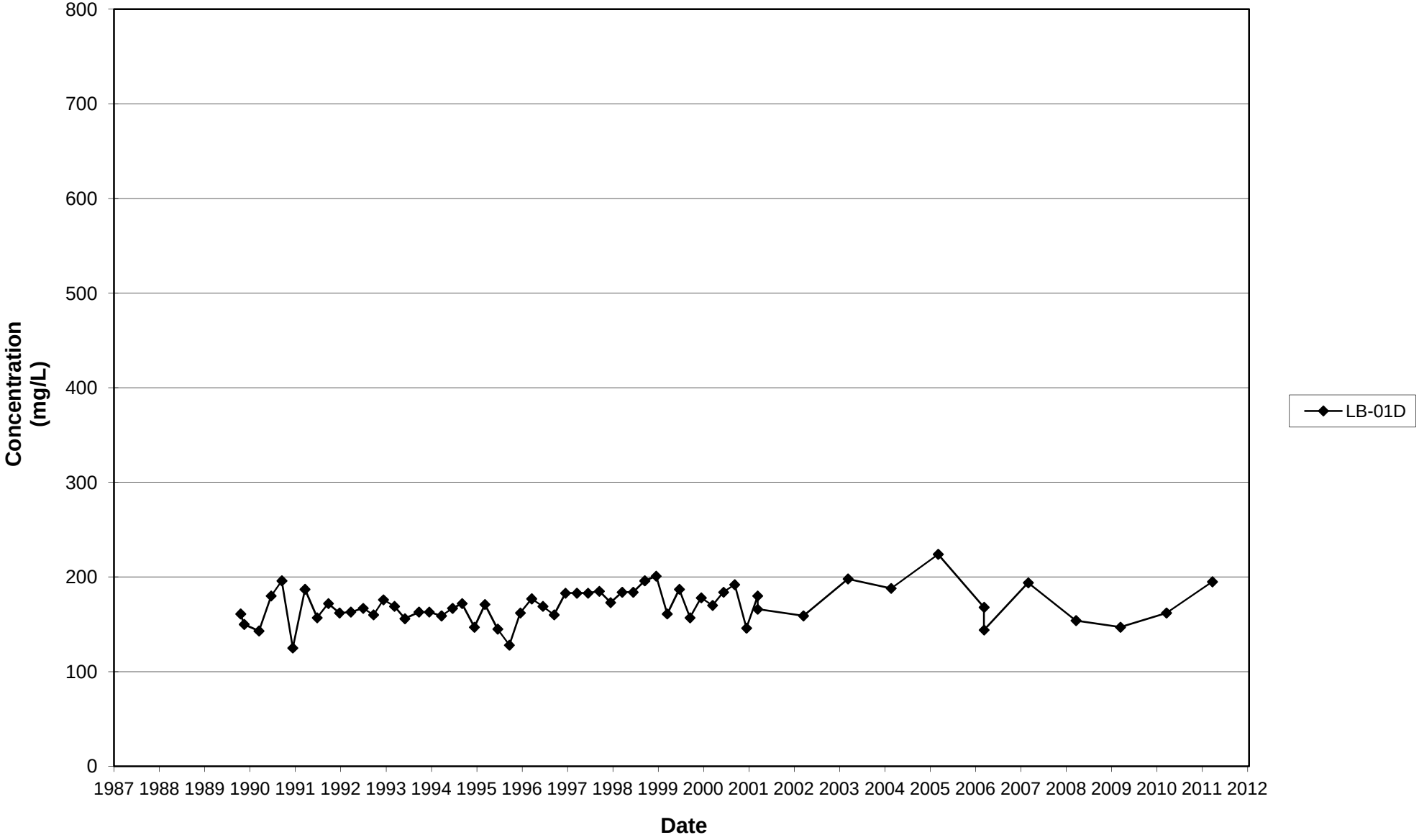


Total Dissolved Solids

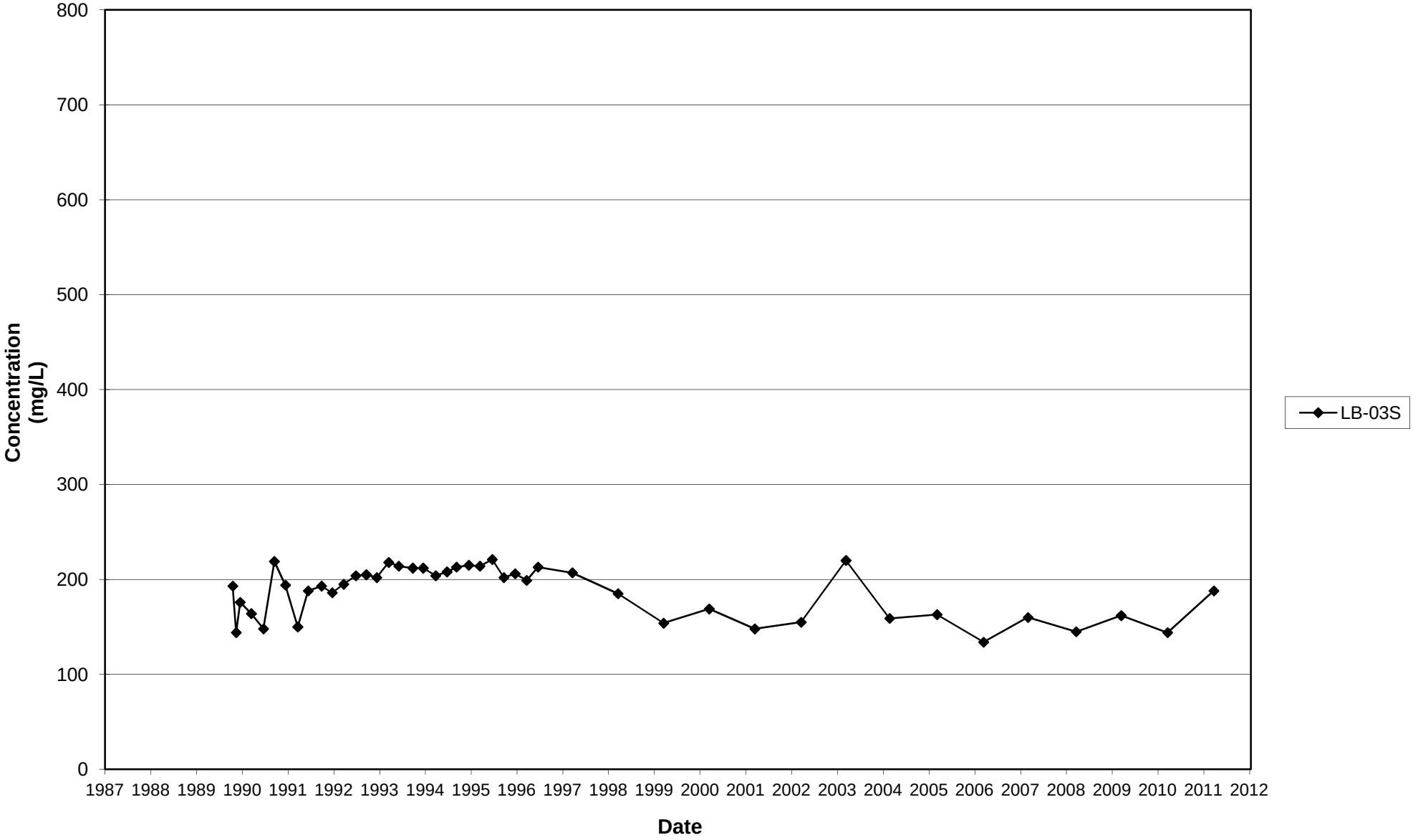
Leichner Landfill
Total Dissolved Solids, LB-01S
1987 - 2011



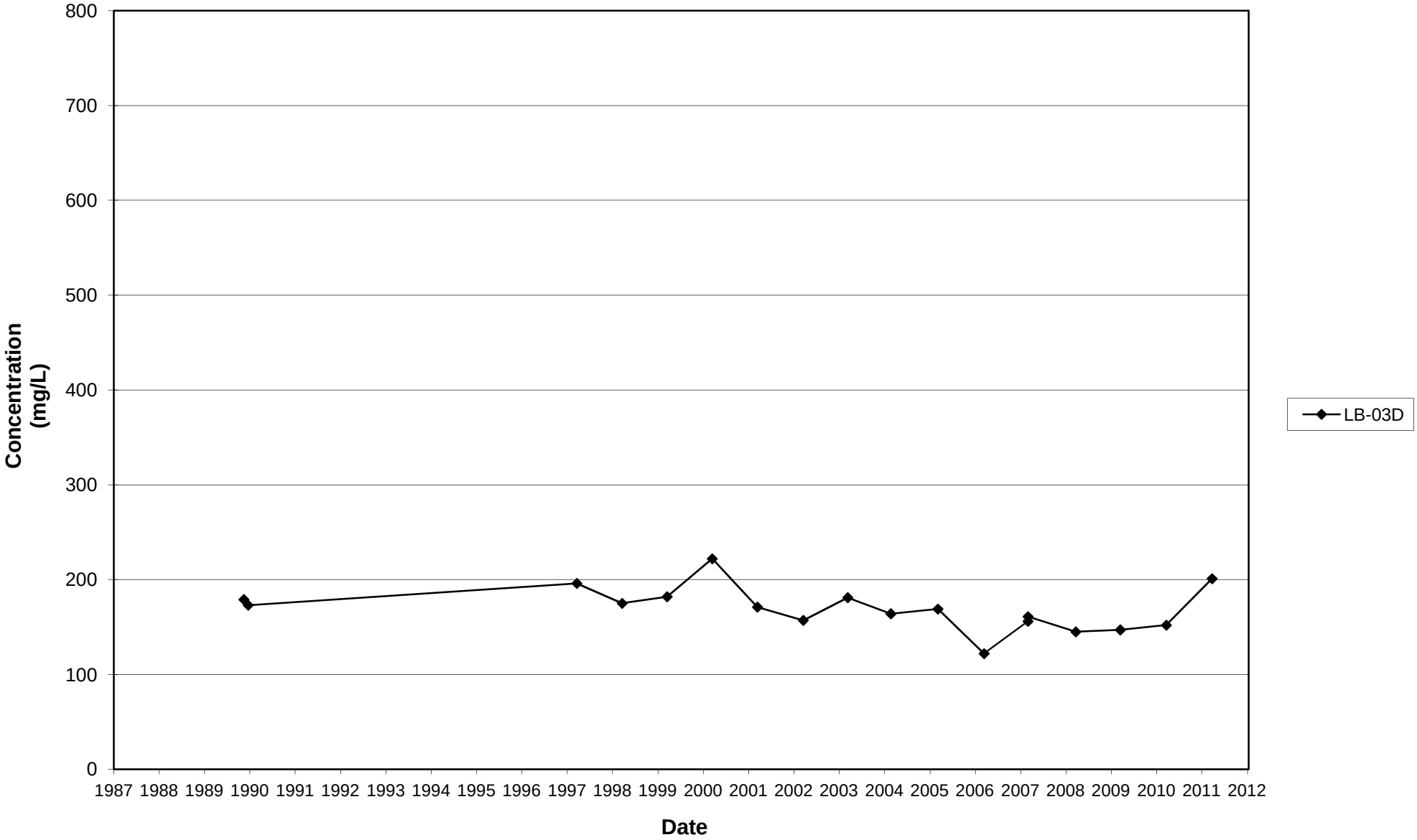
Leichner Landfill
Total Dissolved Solids, LB-01D
1987 - 2011



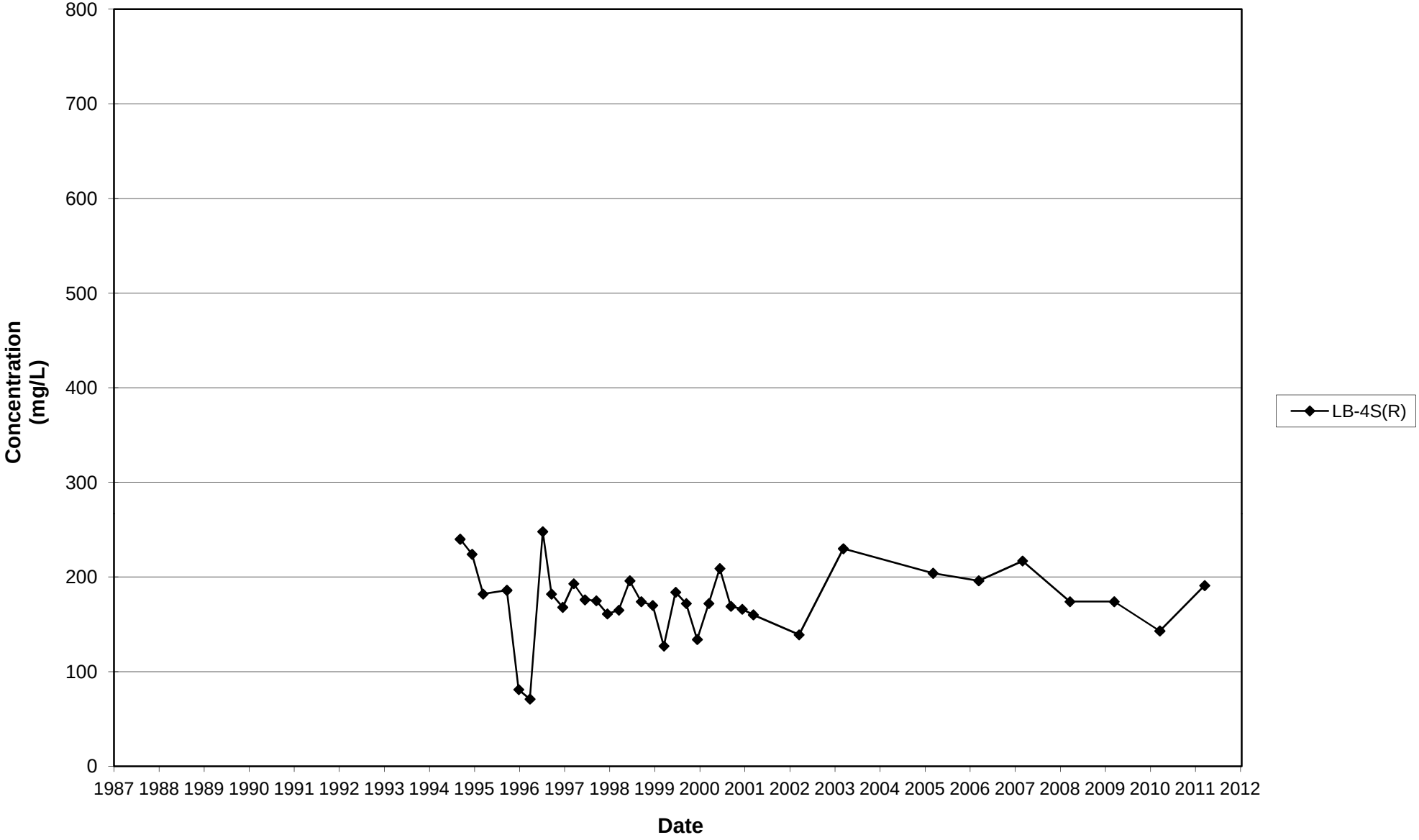
Leichner Landfill
Total Dissolved Solids, LB-03S
1987 - 2011



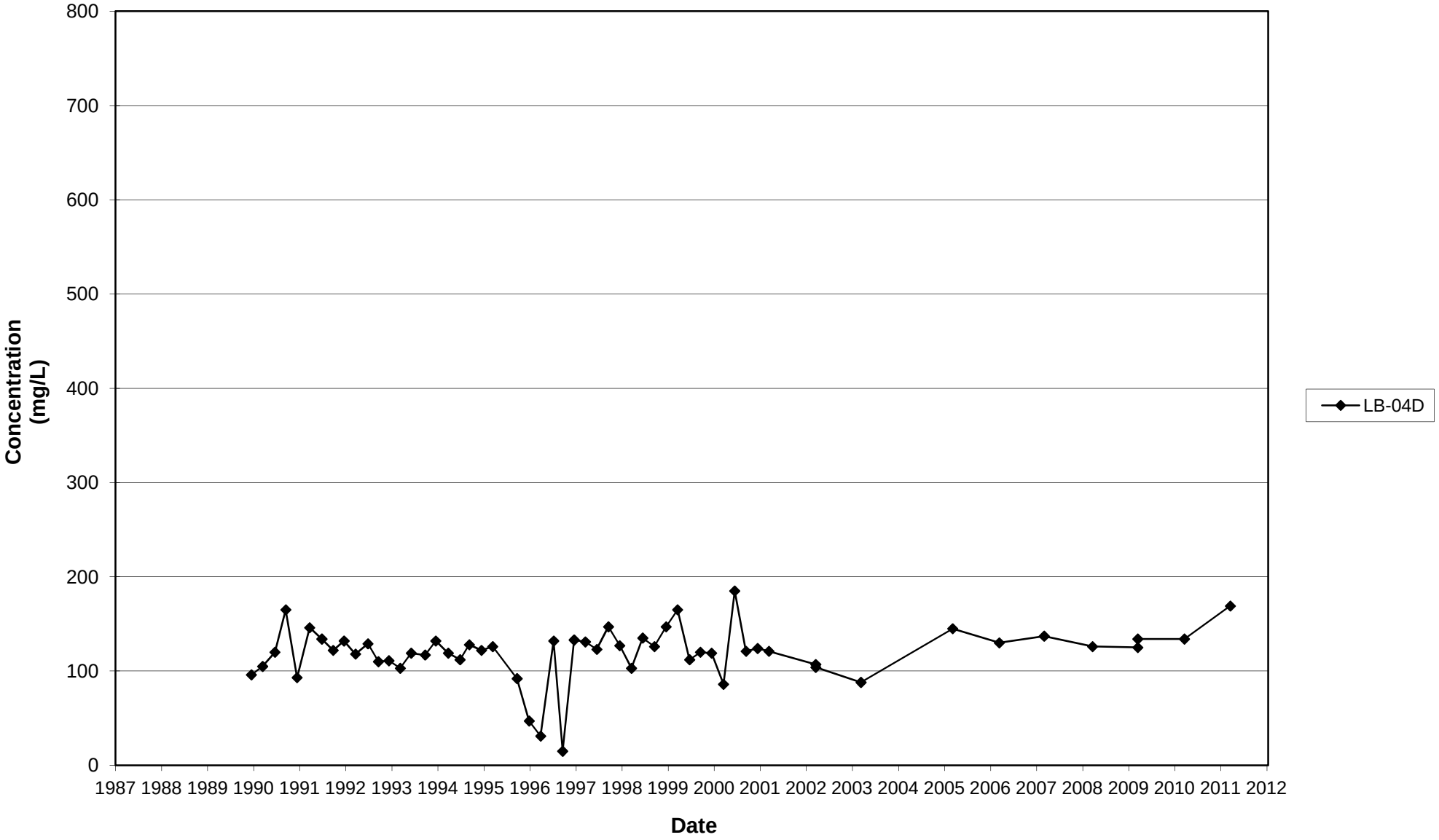
Leichner Landfill
Total Dissolved Solids, LB-03D
1987 - 2011



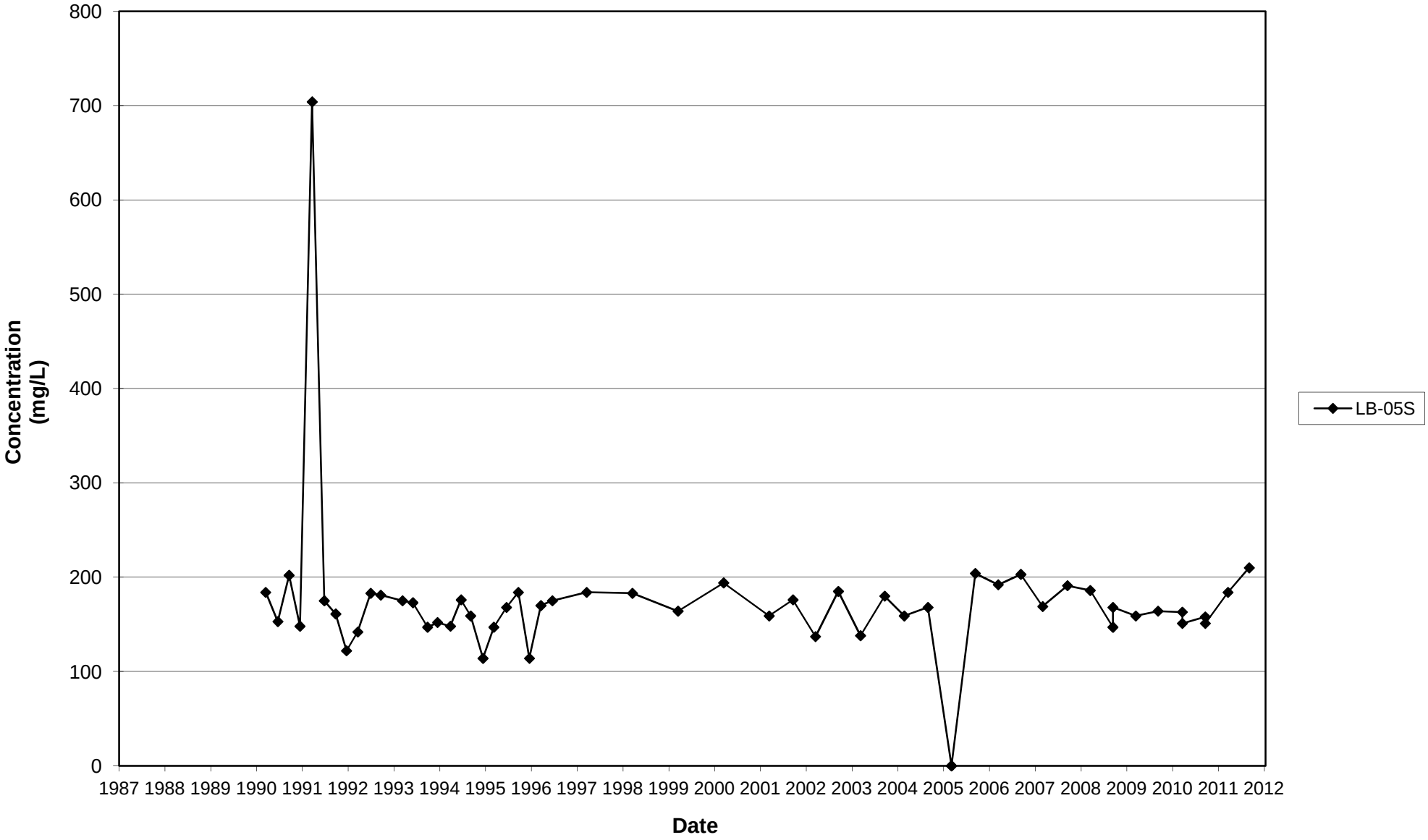
Leichner Landfill
Total Dissolved Solids, LB-04SR
1987 - 2011



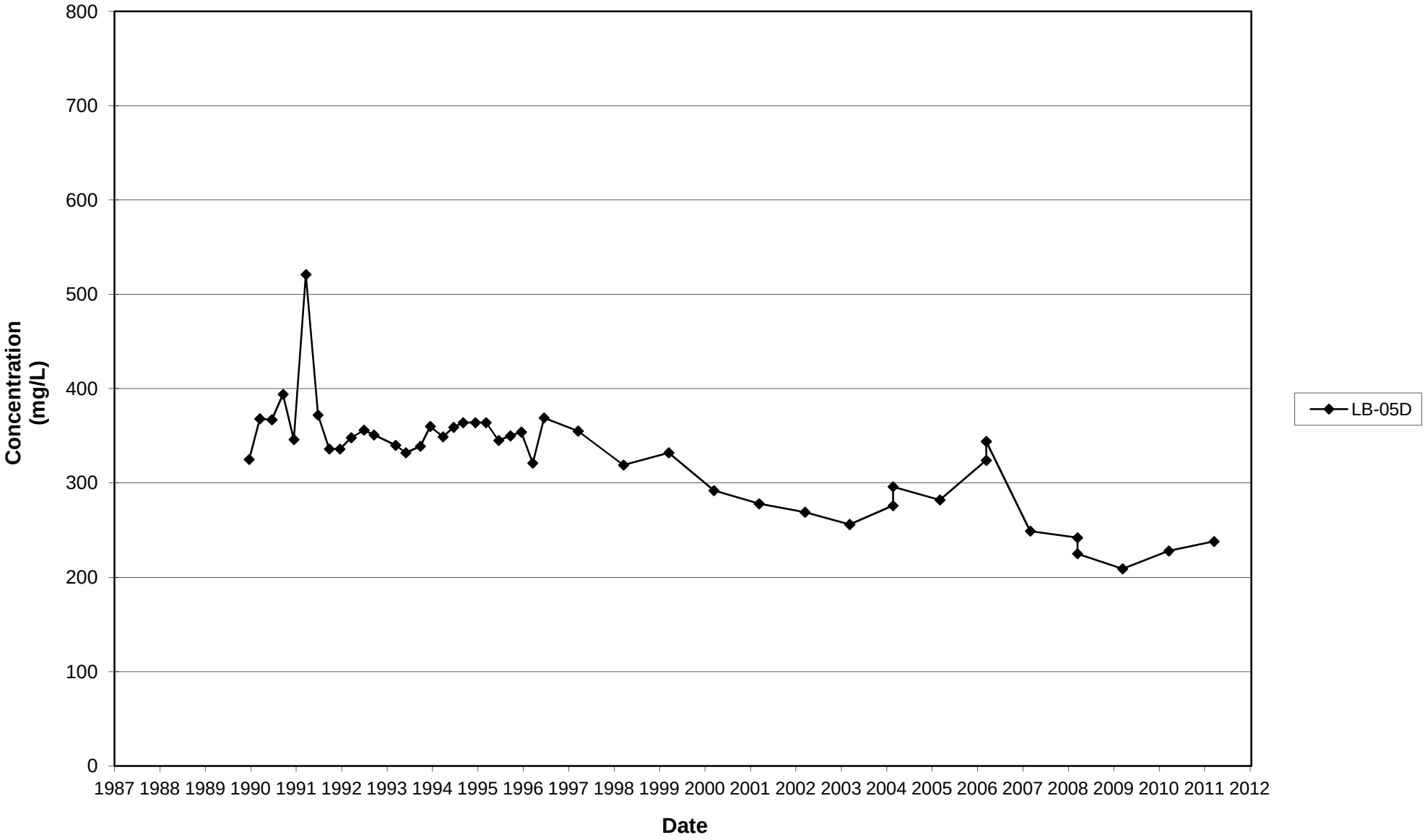
Leichner Landfill
Total Dissolved Solids, LB-04D
1987 - 2011



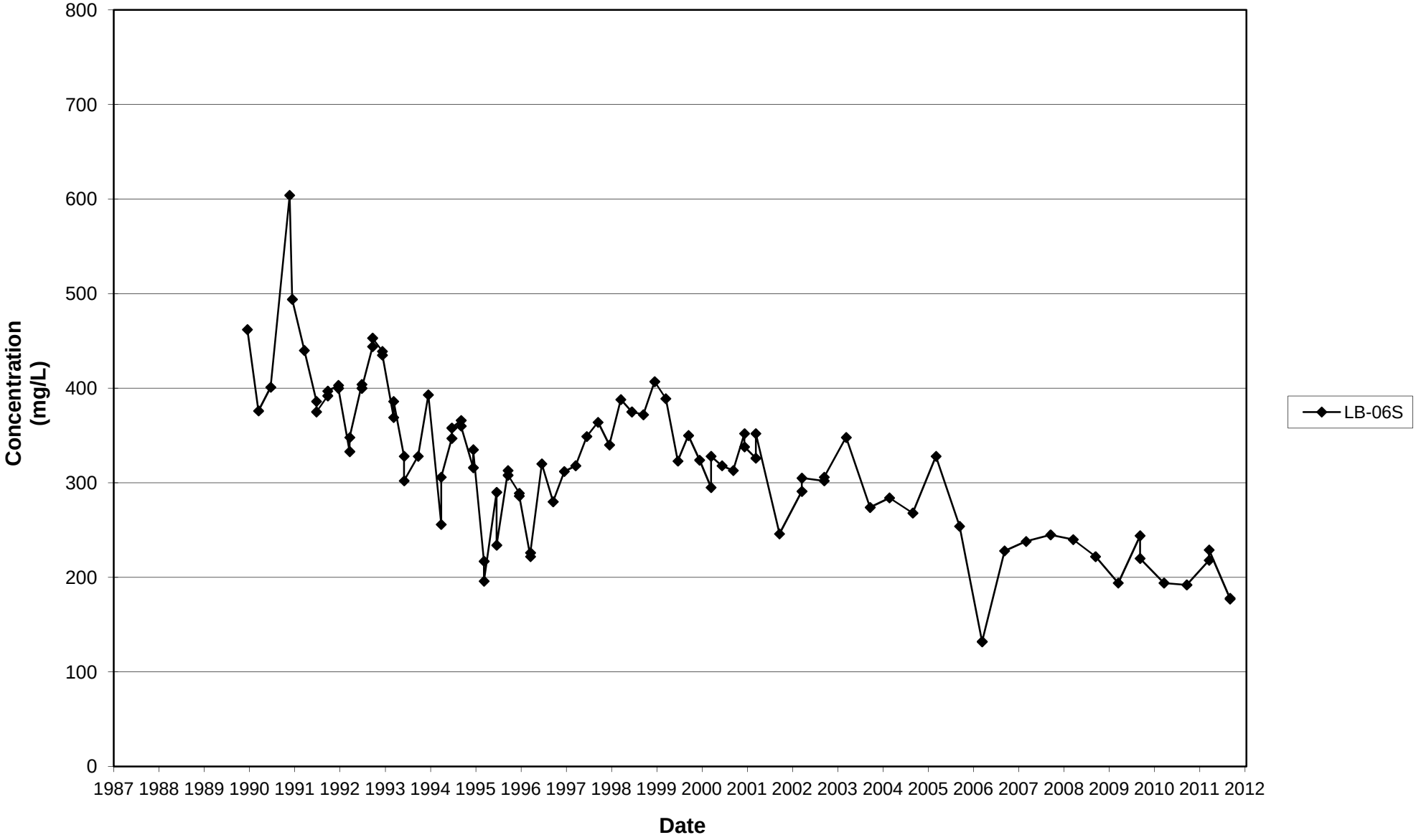
Leichner Landfill
Total Dissolved Solids, LB-05S
1987 - 2011



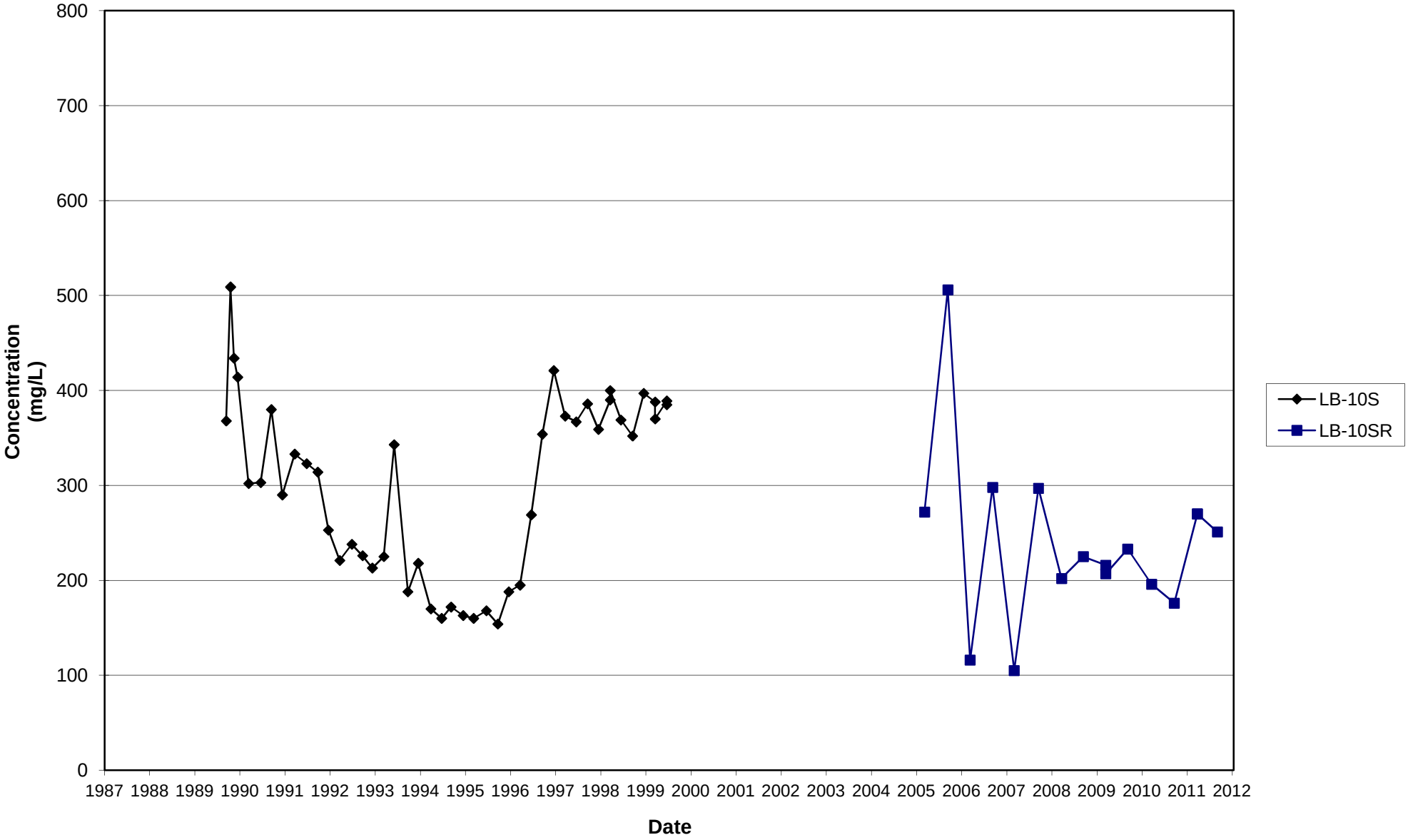
Leichner Landfill
Total Dissolved Solids, LB-05D
1987 - 2011



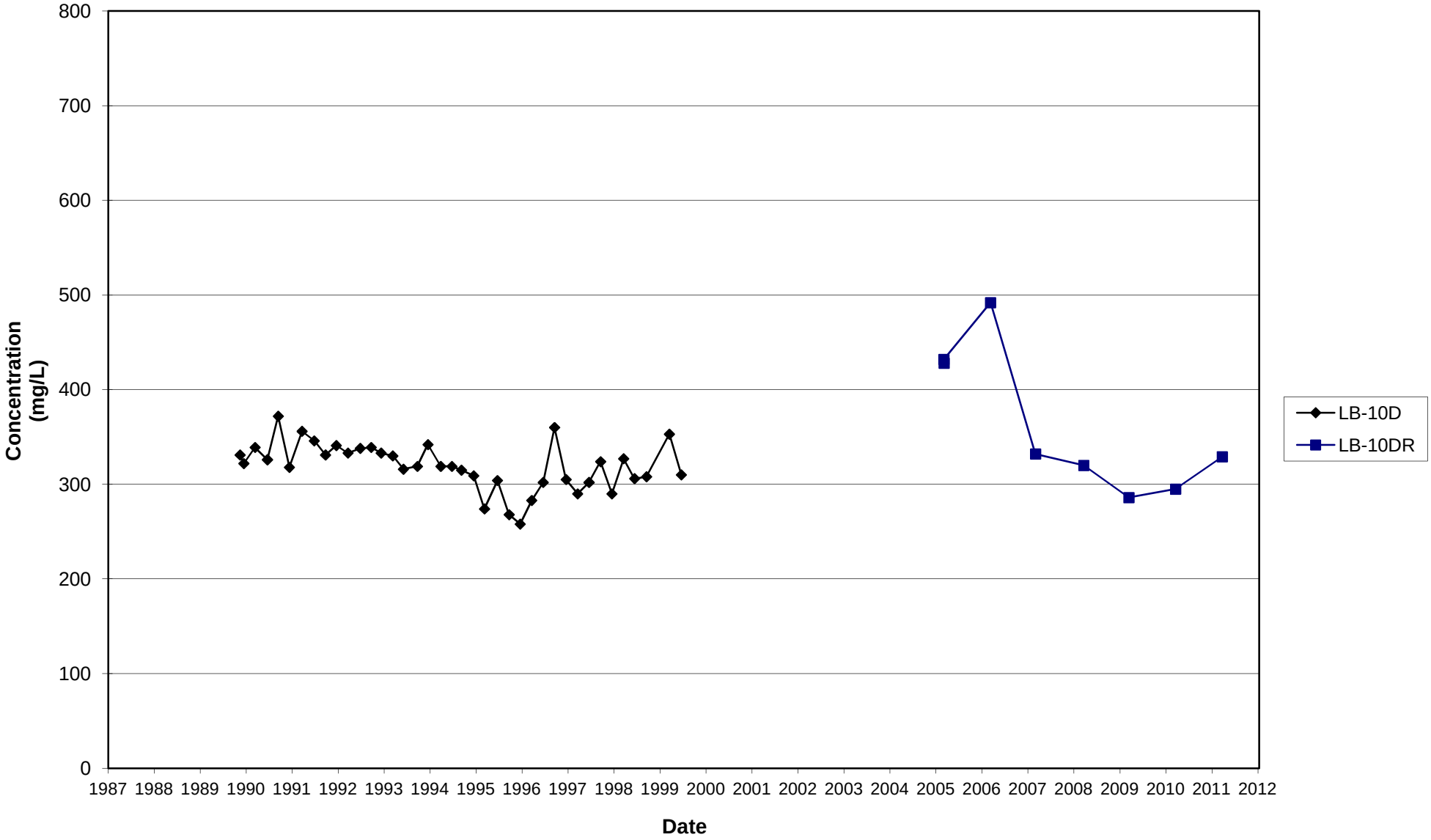
Leichner Landfill
Total Dissolved Solids, LB-06S
1987 - 2011



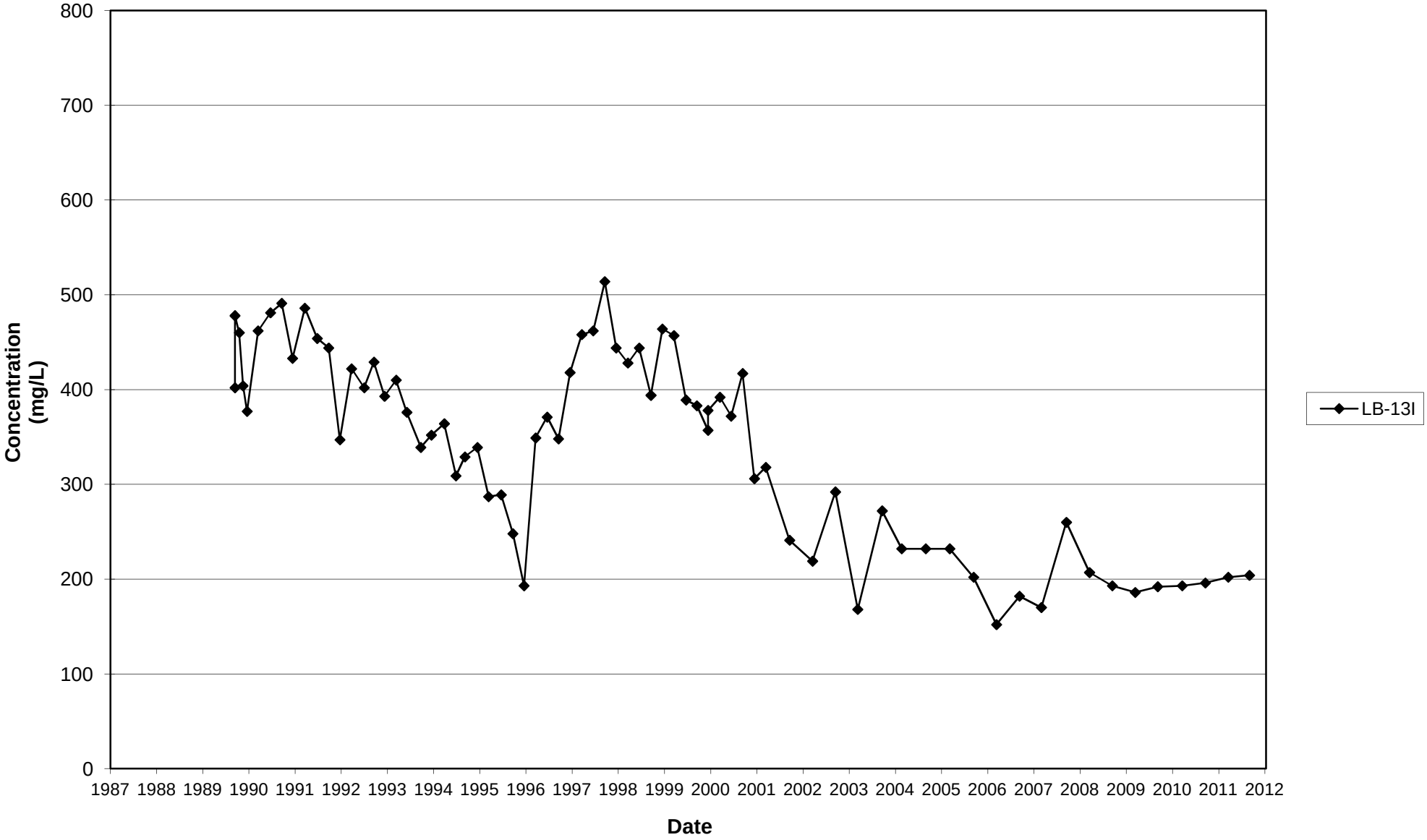
Leichner Landfill
Total Dissolved Solids, LB-10S and LB-10SR
1987 - 2011



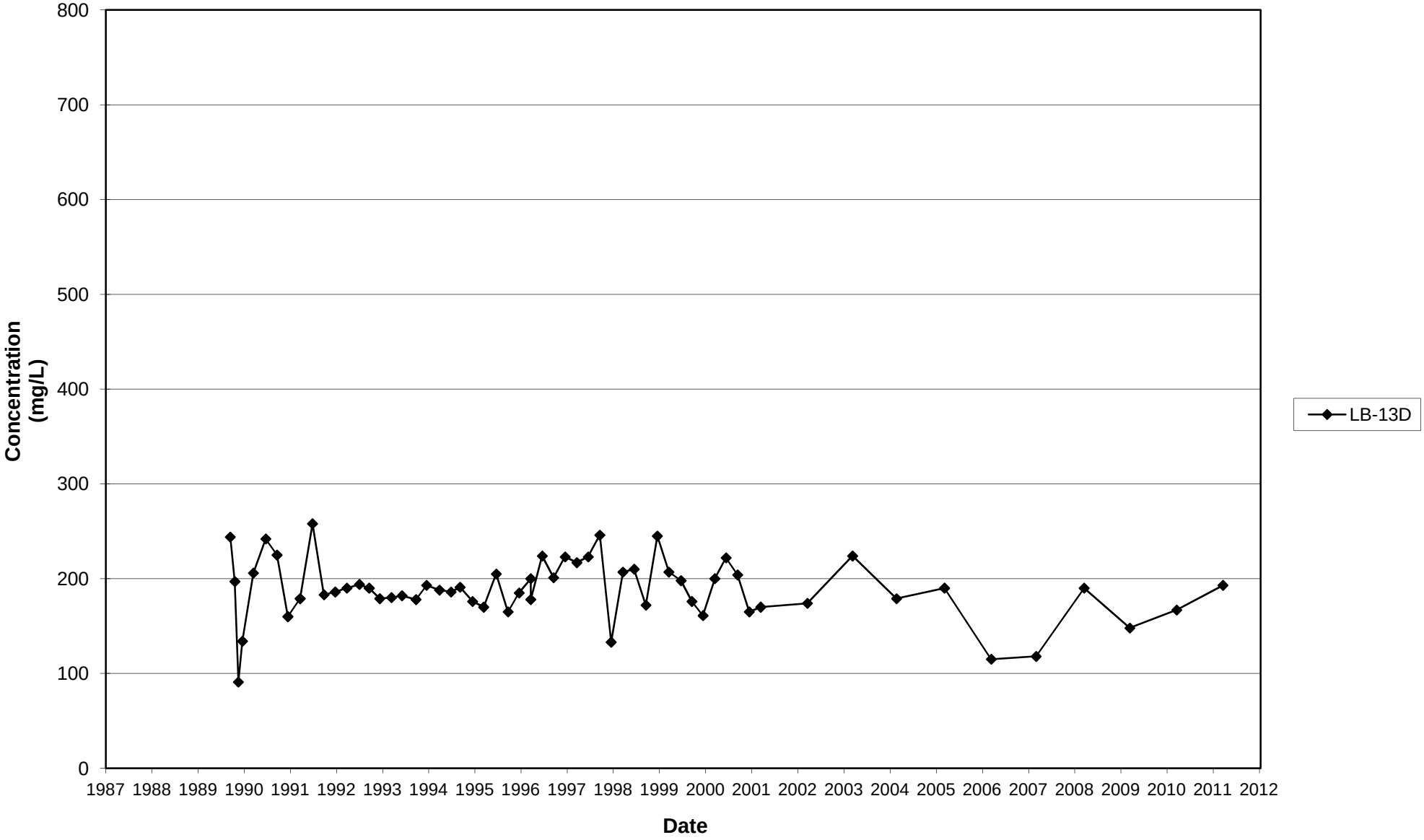
Leichner Landfill
Total Dissolved Solids, LB-10D and LB-10DR
1987 - 2011



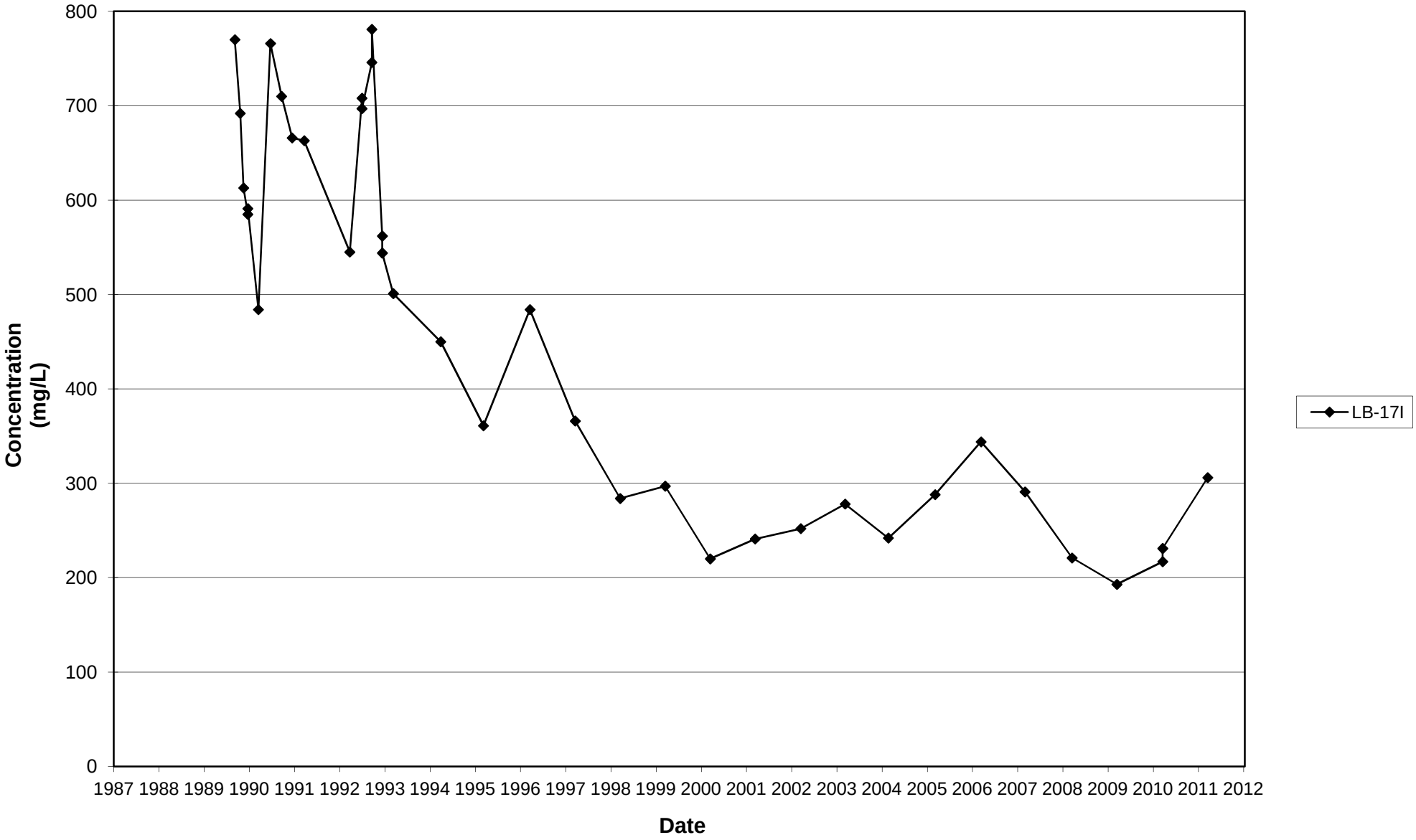
Leichner Landfill
Total Dissolved Solids, LB-13I
1987 - 2011



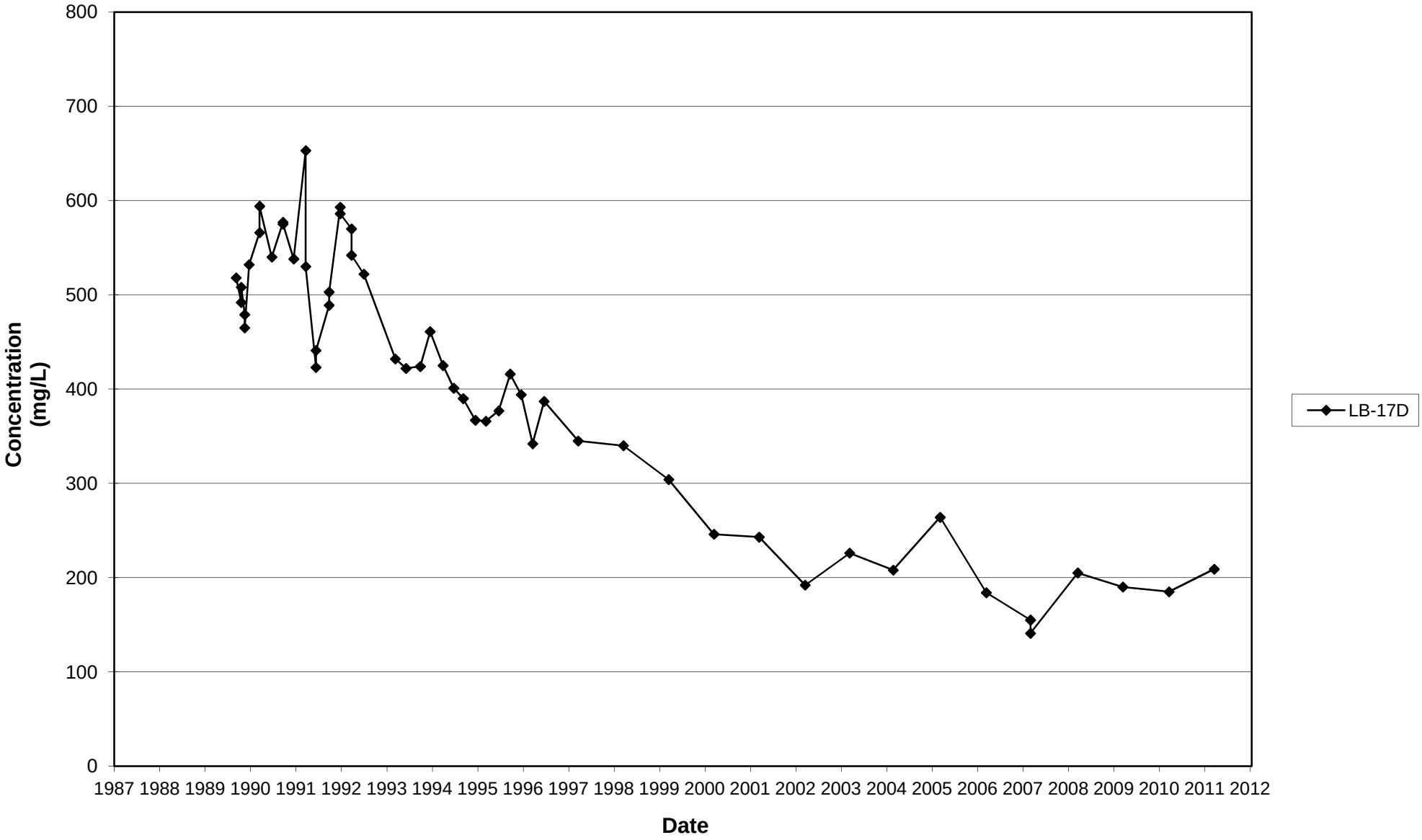
Leichner Landfill
Total Dissolved Solids, LB-13D
1987 - 2011



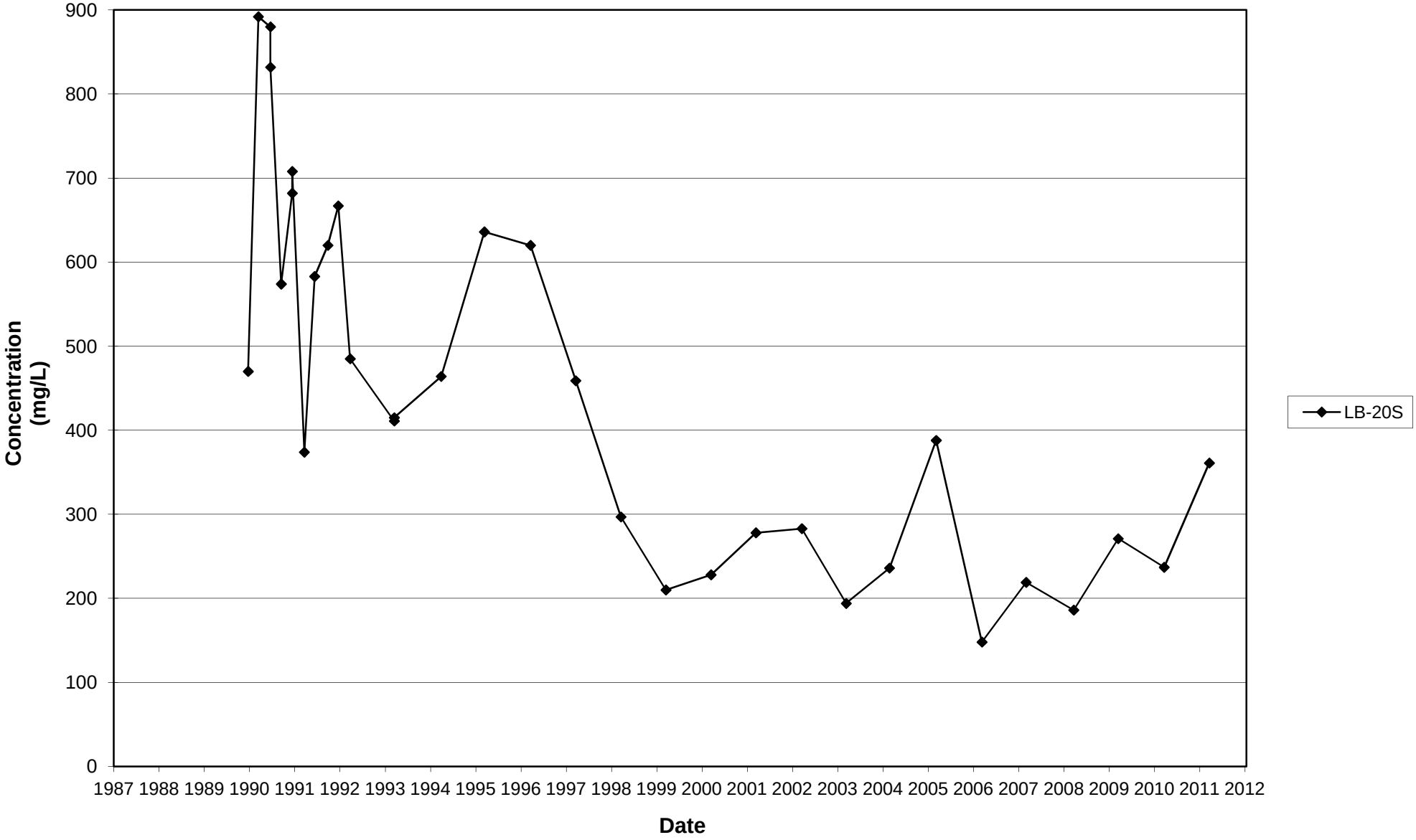
Leichner Landfill
Total Dissolved Solids, LB-17I
1987 - 2011



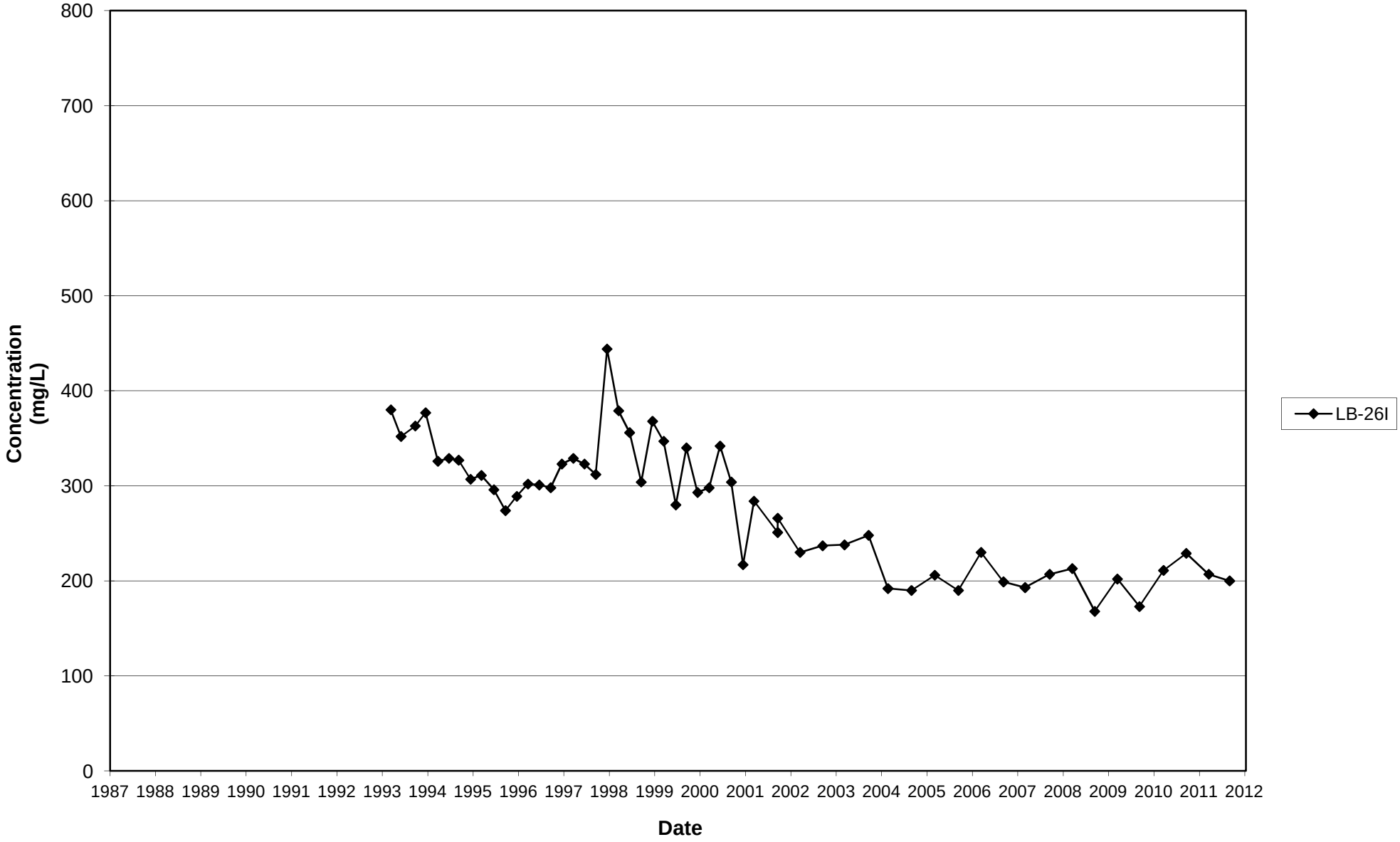
Leichner Landfill
Total Dissolved Solids, LB-17D
1987 - 2011



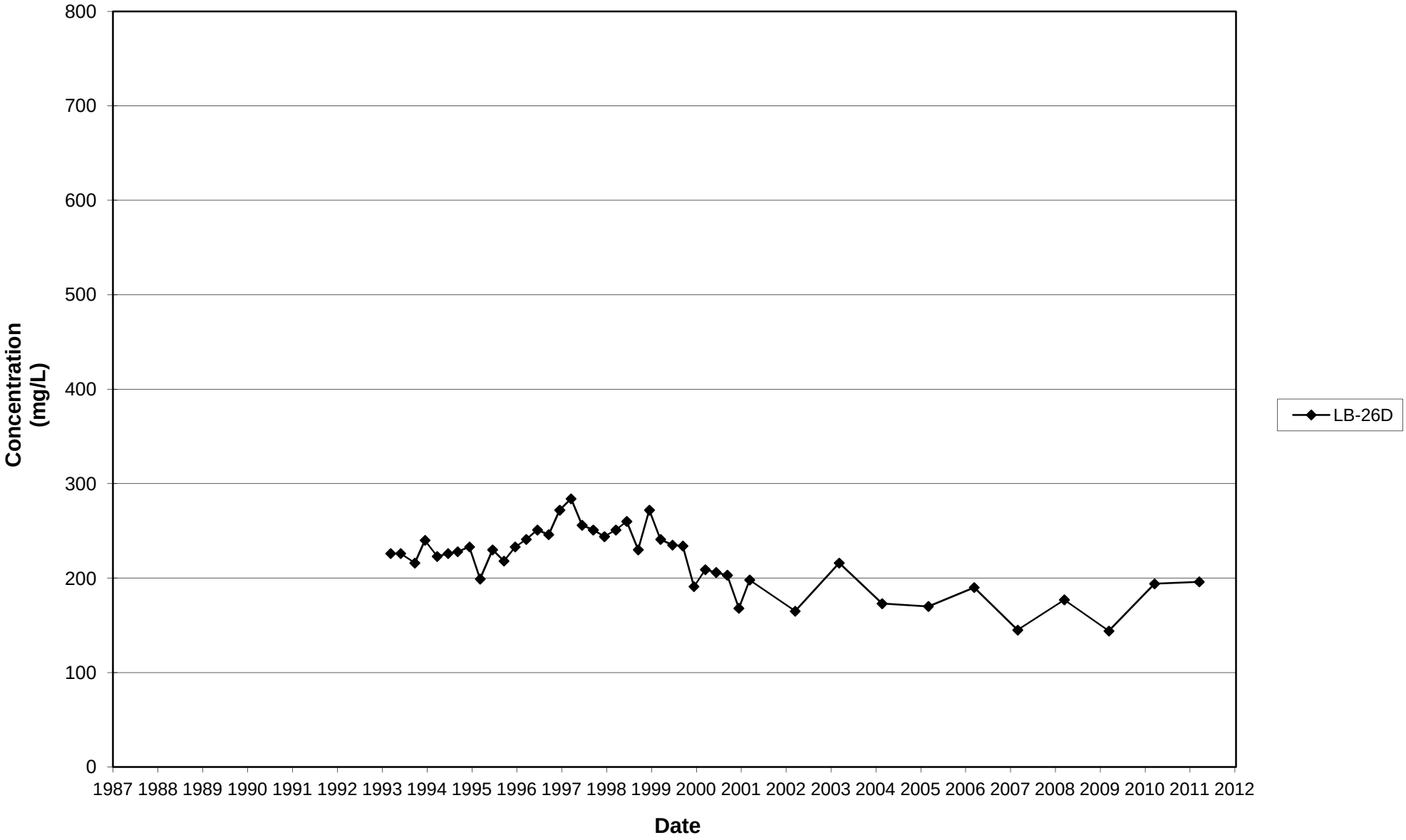
Leichner Landfill
Total Dissolved Solids, LB-20S
1987 - 2011



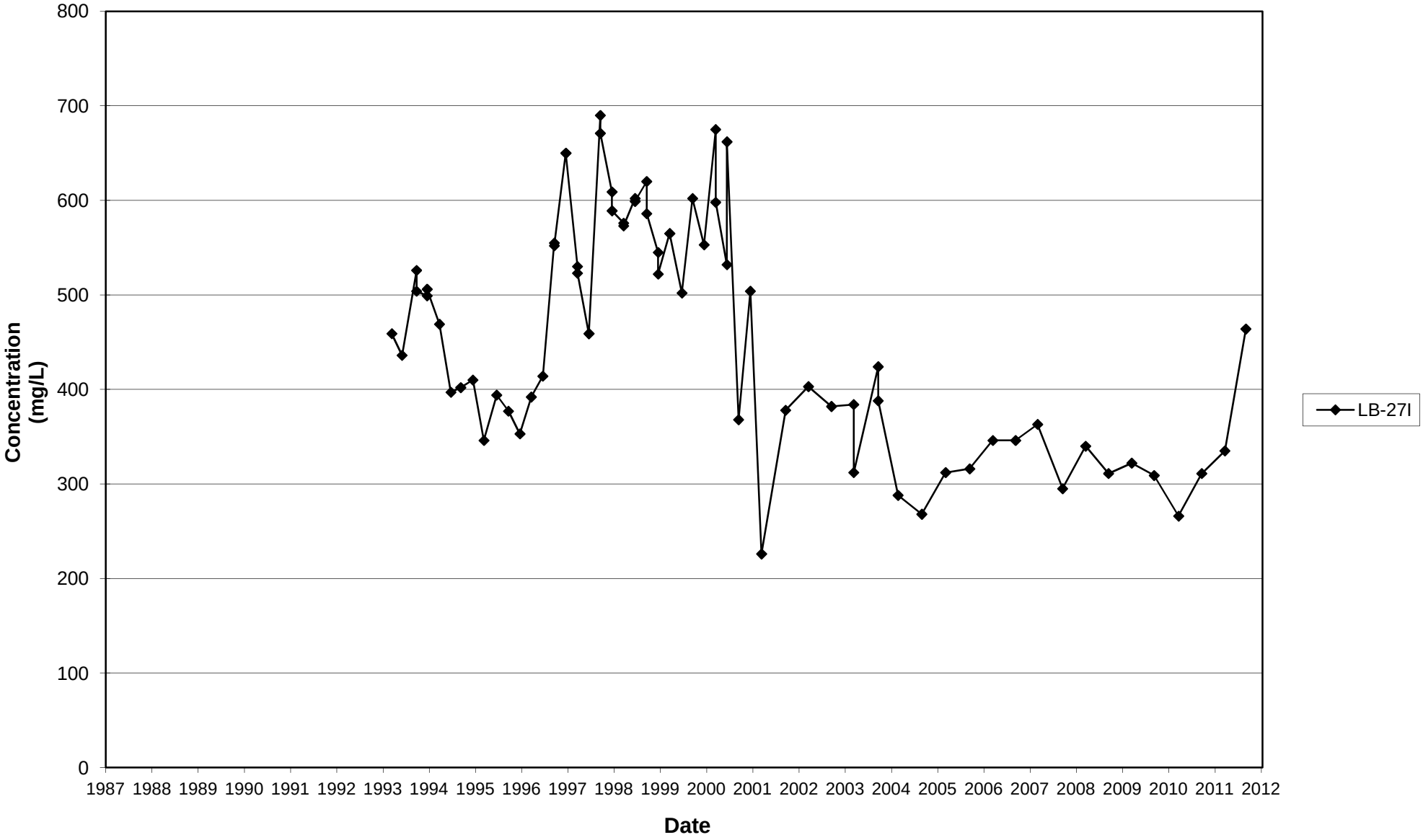
Leichner Landfill
Total Dissolved Solids, LB-26I
1987 - 2011



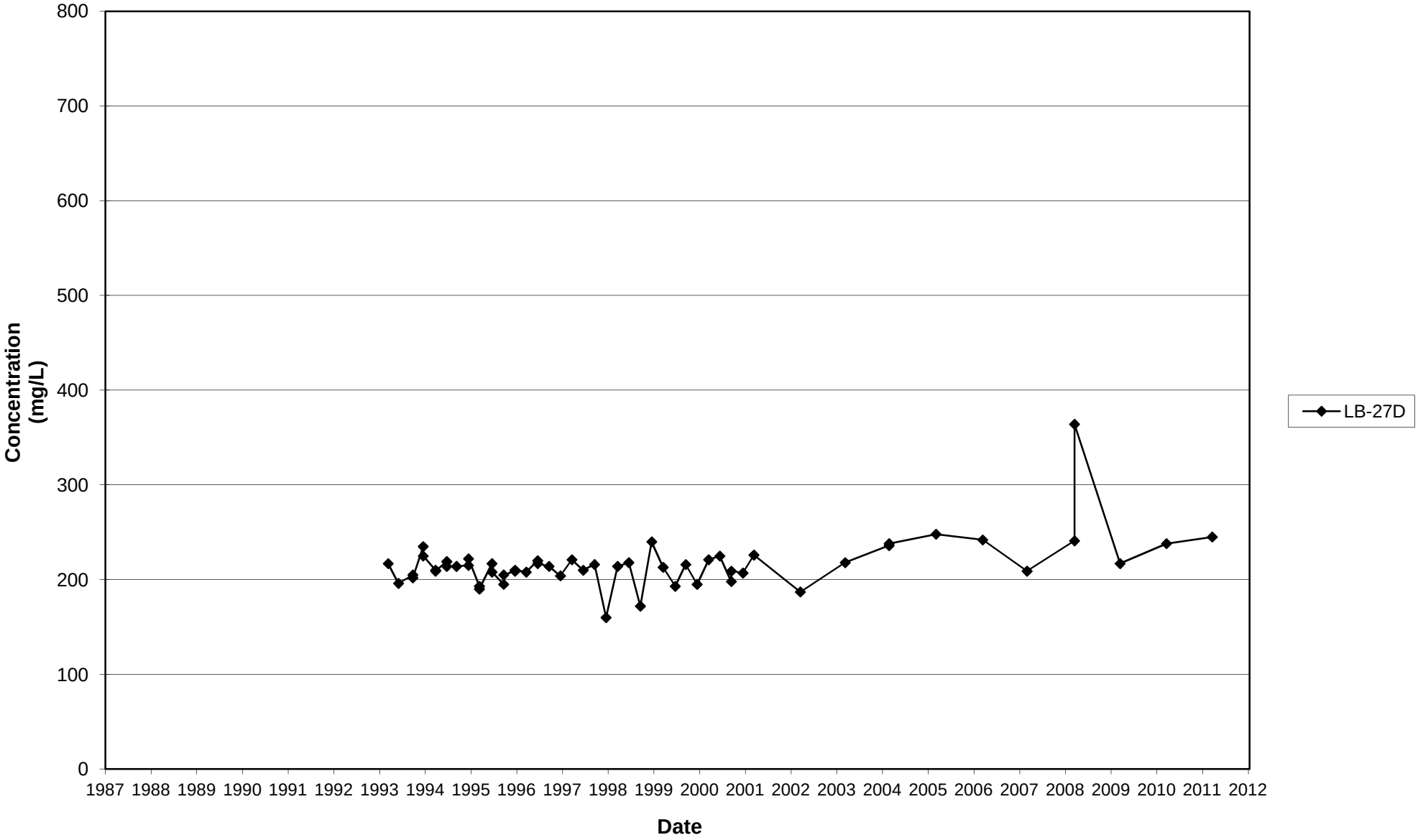
Leichner Landfill
Total Dissolved Solids, LB-26D
1987 - 2011



Leichner Landfill
Total Dissolved Solids, LB-27I
1987 - 2011

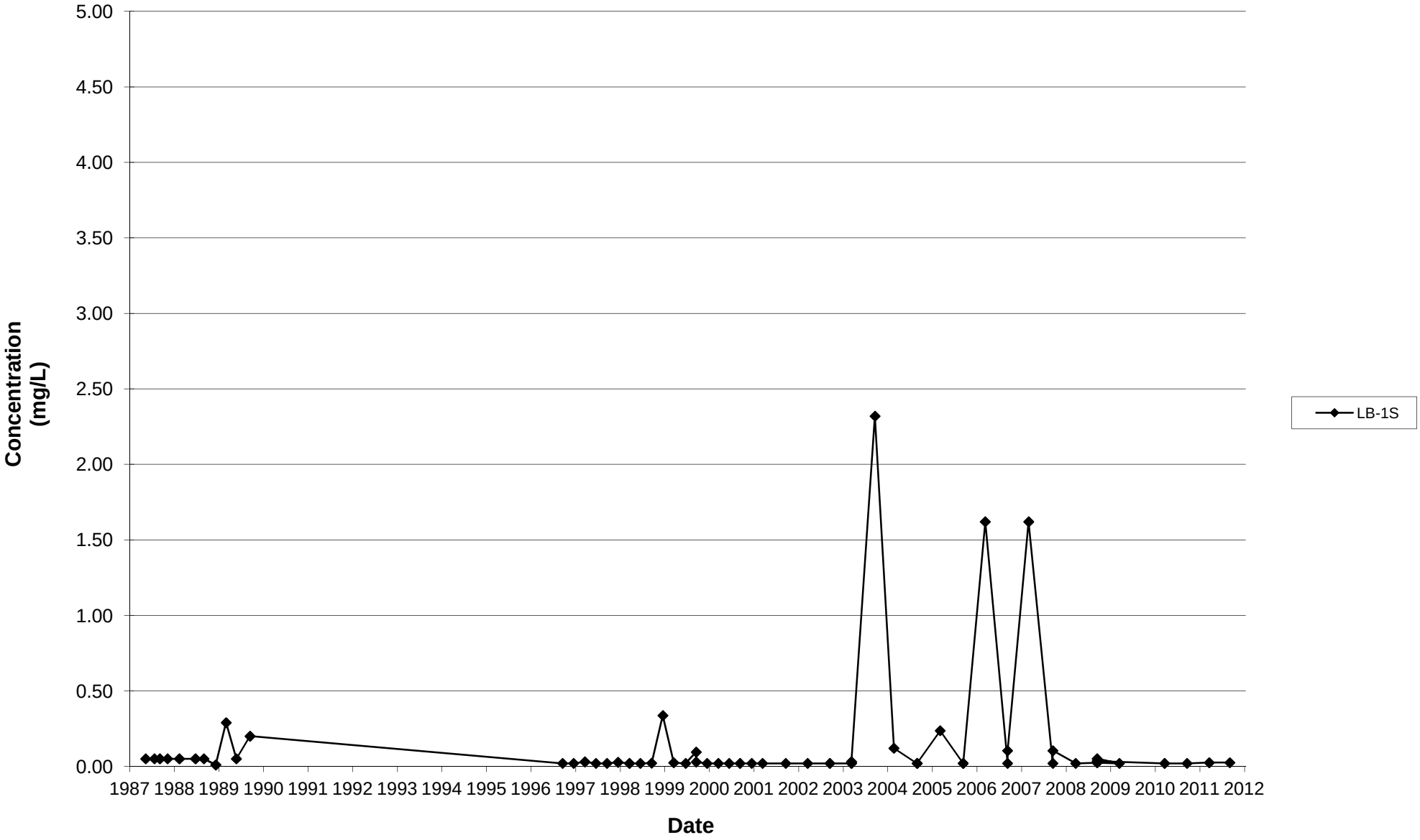


Leichner Landfill
Total Dissolved Solids, LB-27D
1987 - 2011

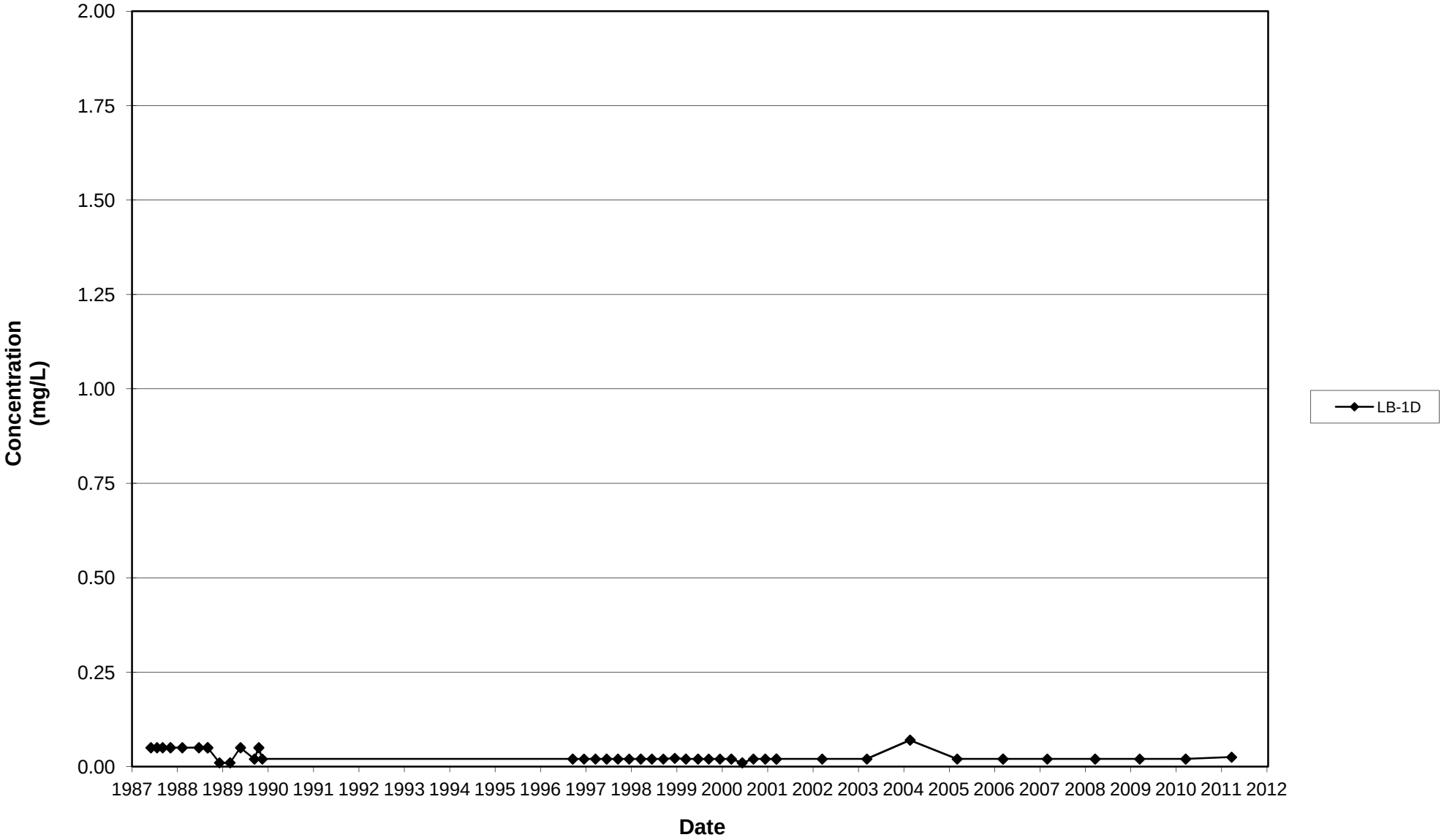


Dissolved Iron

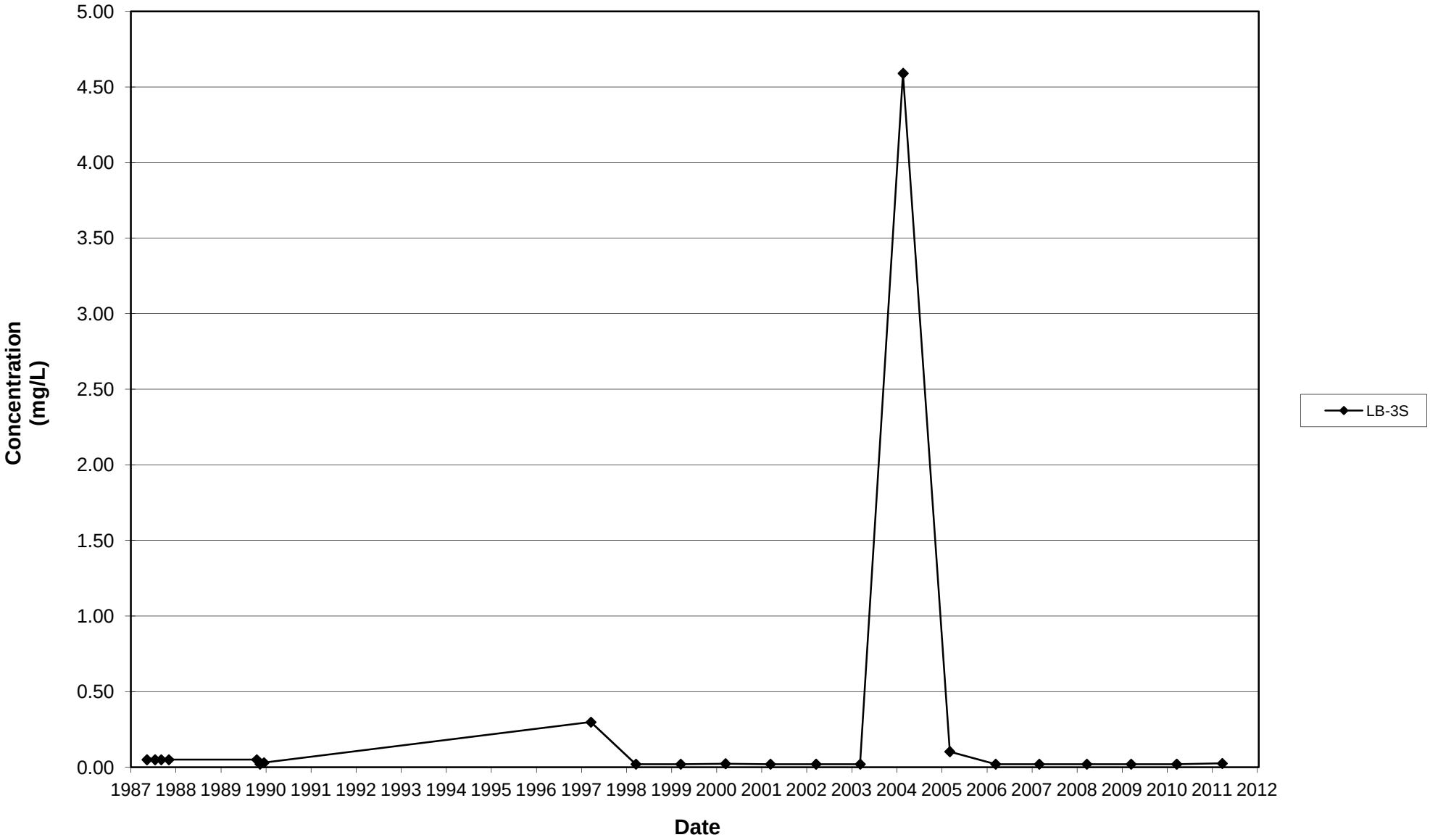
Leichner Landfill
Dissolved Iron, LB-01S
1987 - 2011



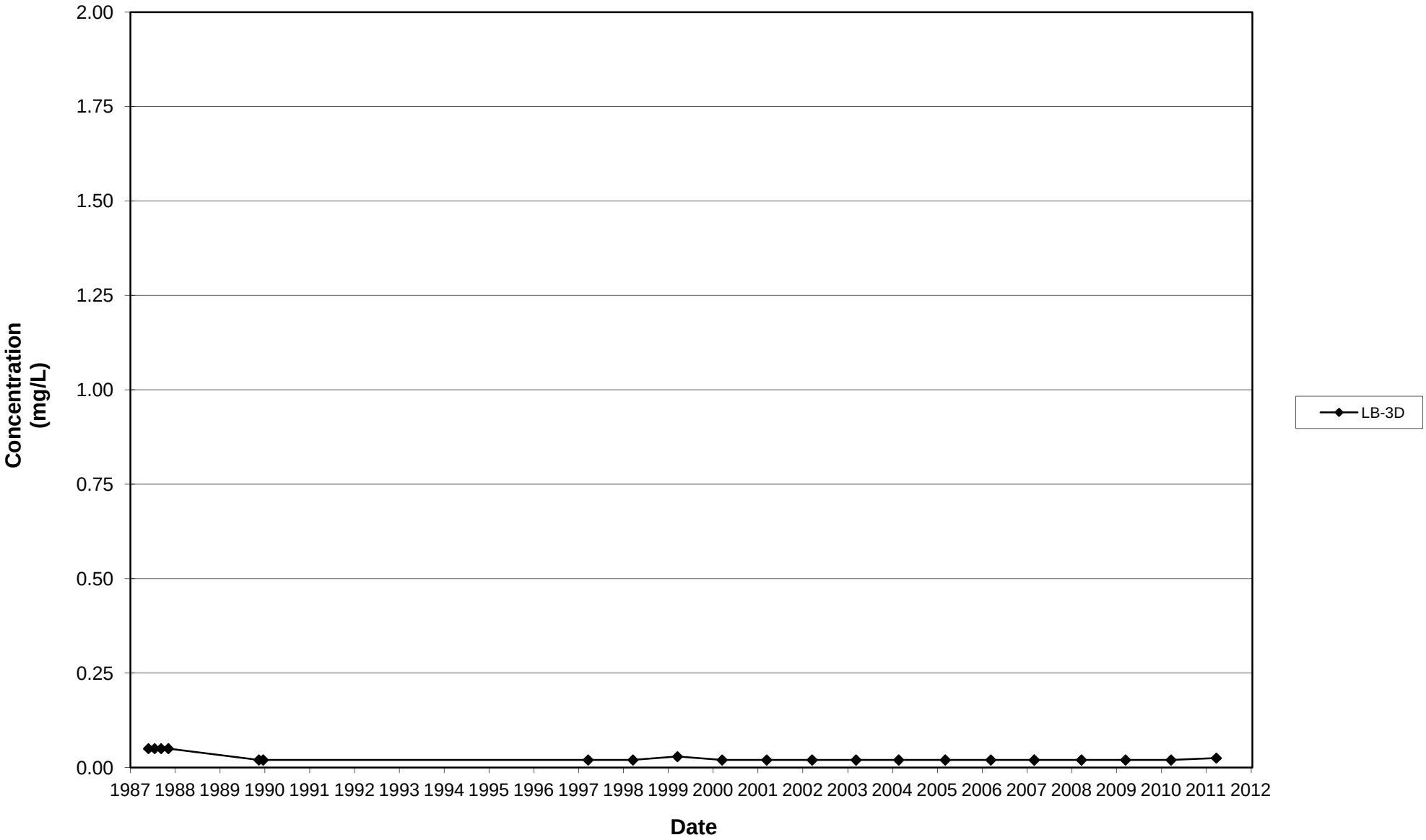
Leichner Landfill
Dissolved Iron, LB-01D
1987 - 2011



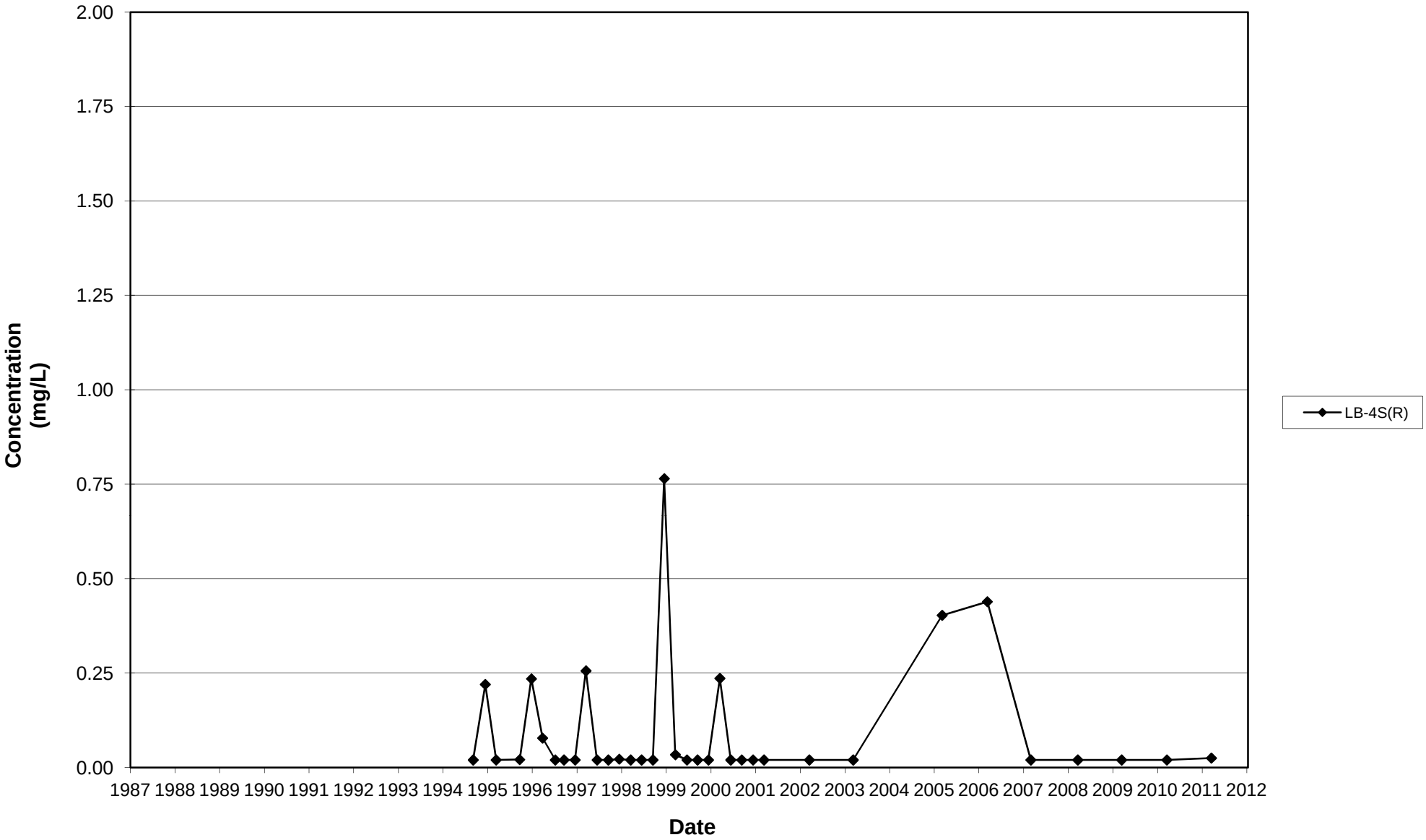
Leichner Landfill
Dissolved Iron, LB-03S
1987 - 2011



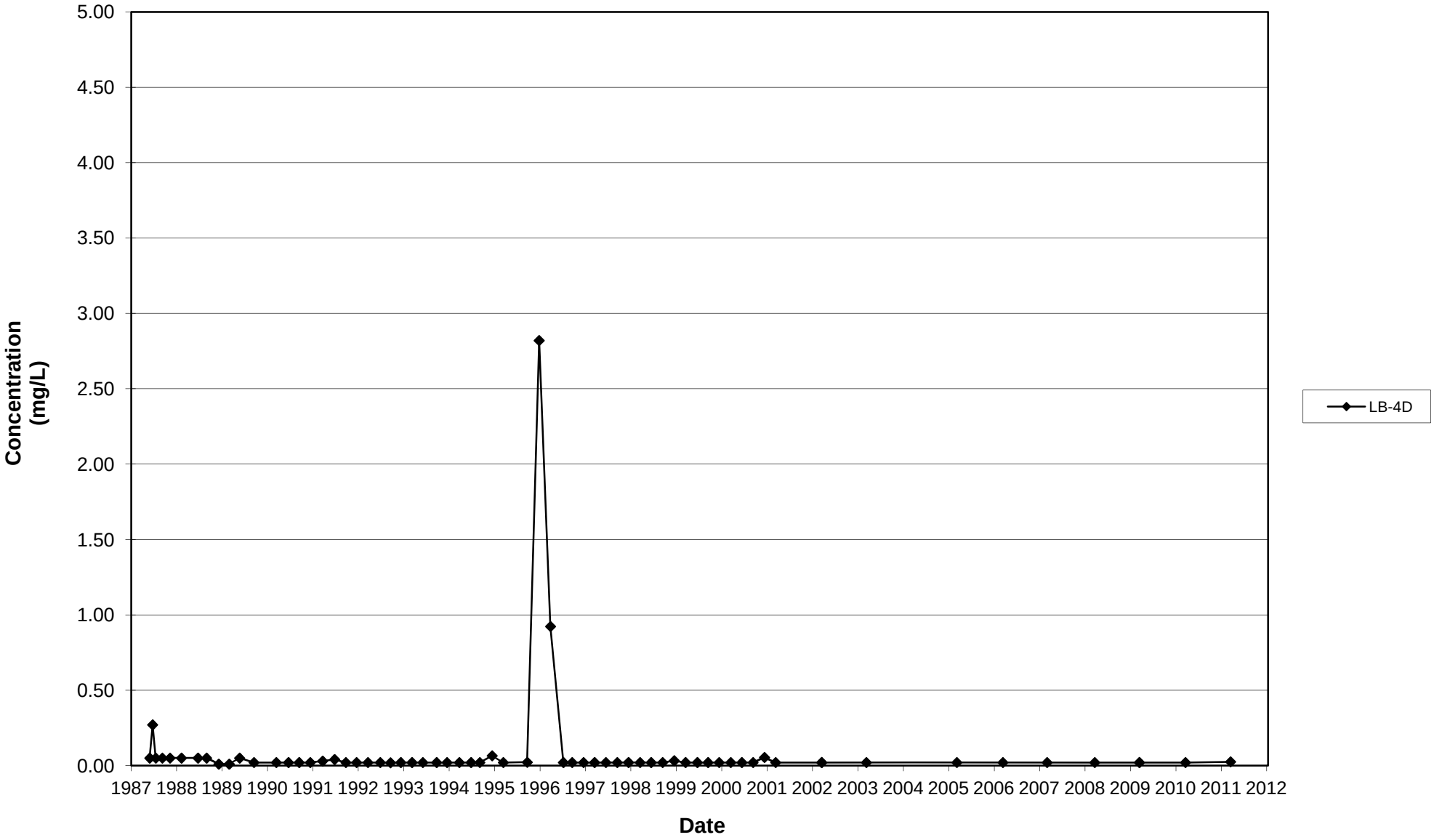
Leichner Landfill
Dissolved Iron, LB-03D
1987 - 2011



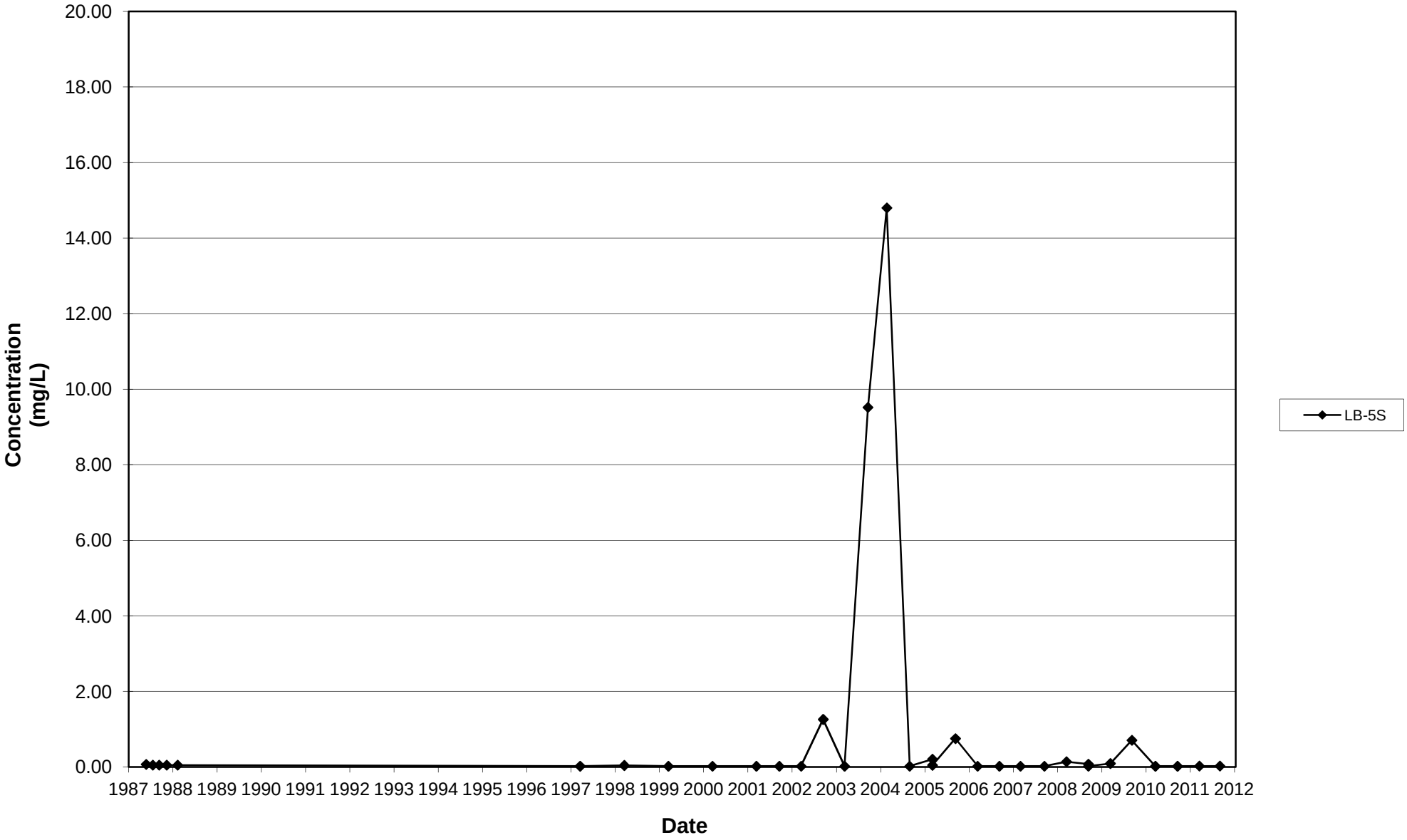
Leichner Landfill
Dissolved Iron, LB-04SR
1987 - 2011



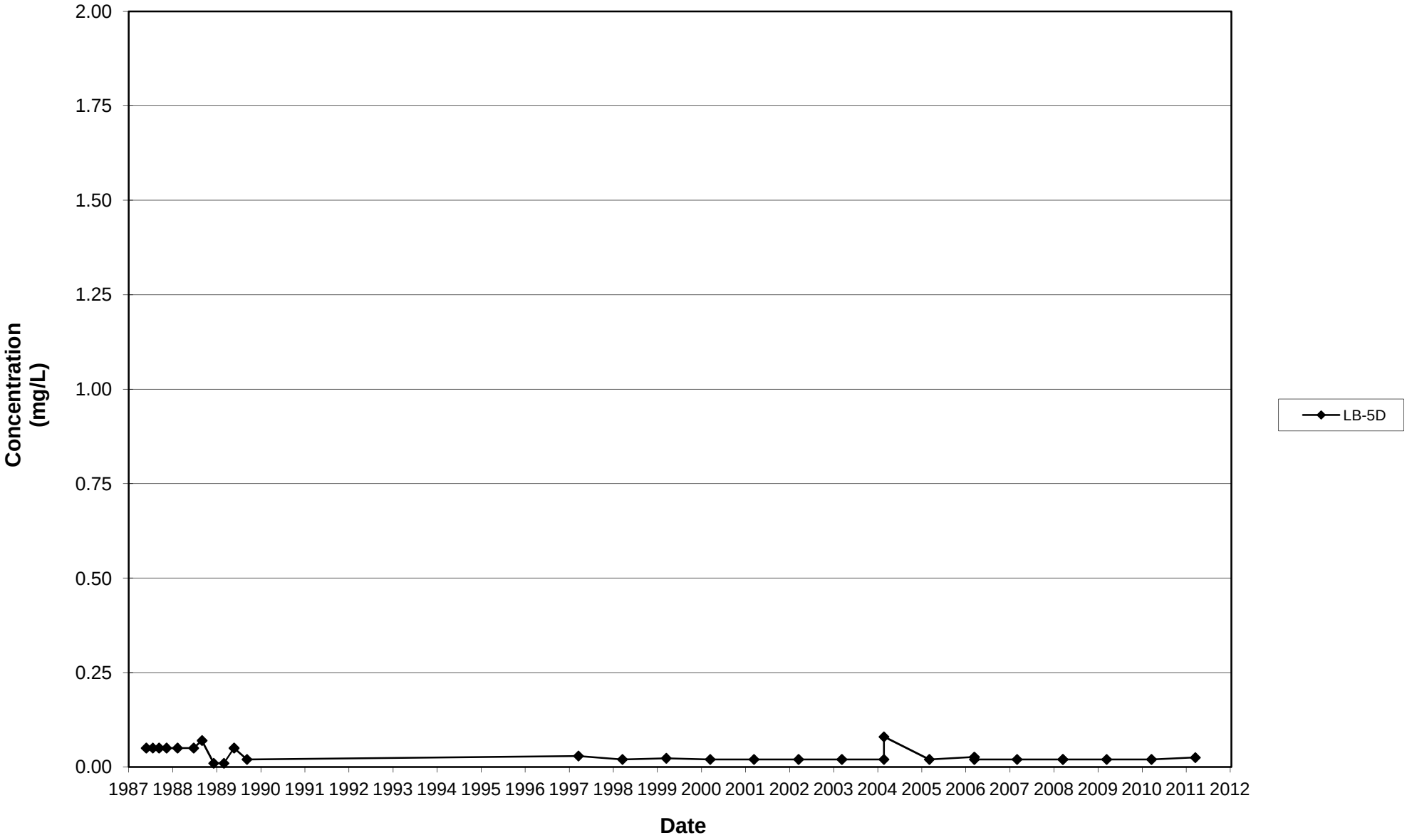
Leichner Landfill
Dissolved Iron, LB-04D
1987 - 2011



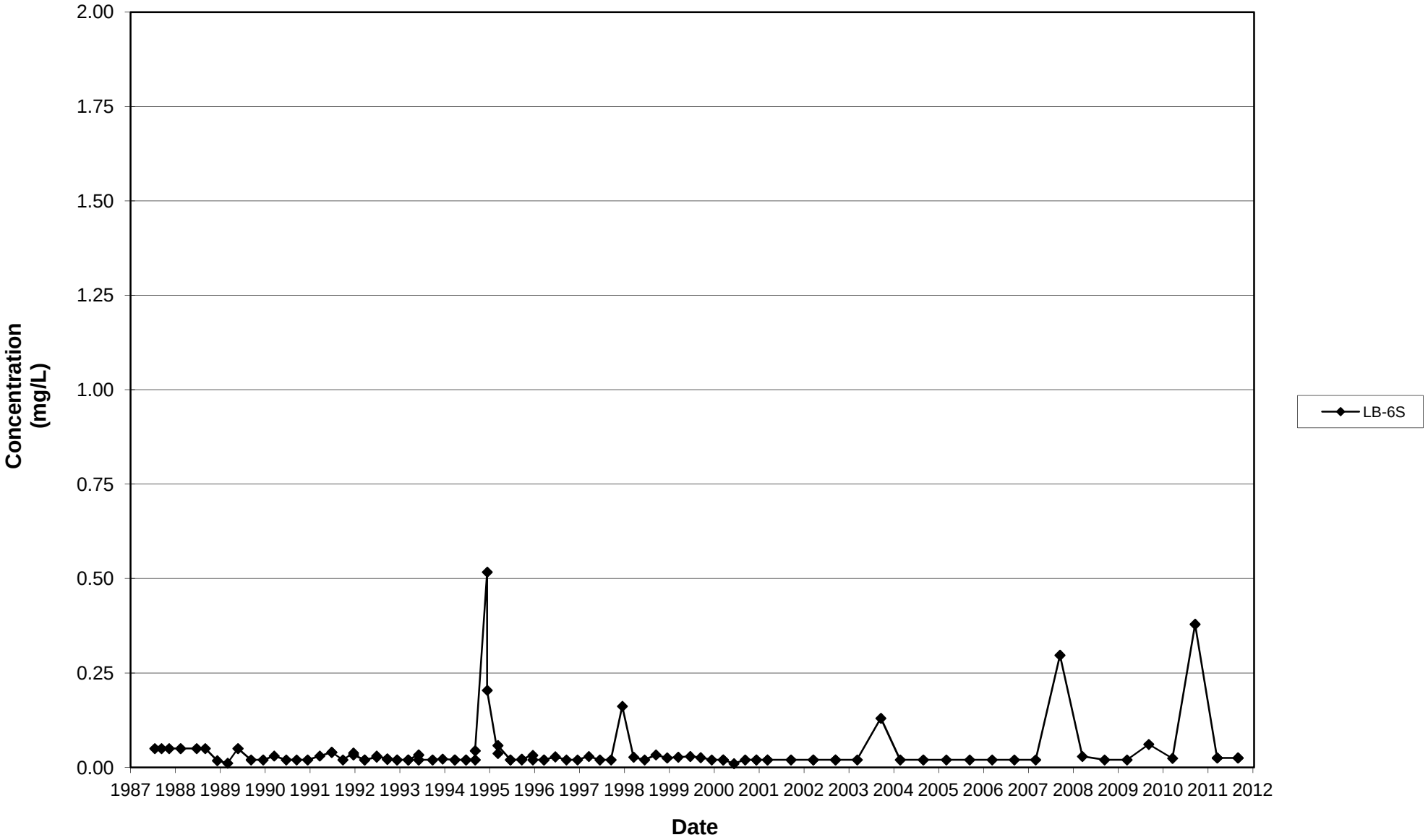
Leichner Landfill
Dissolved Iron, LB-05S
1987 - 2011



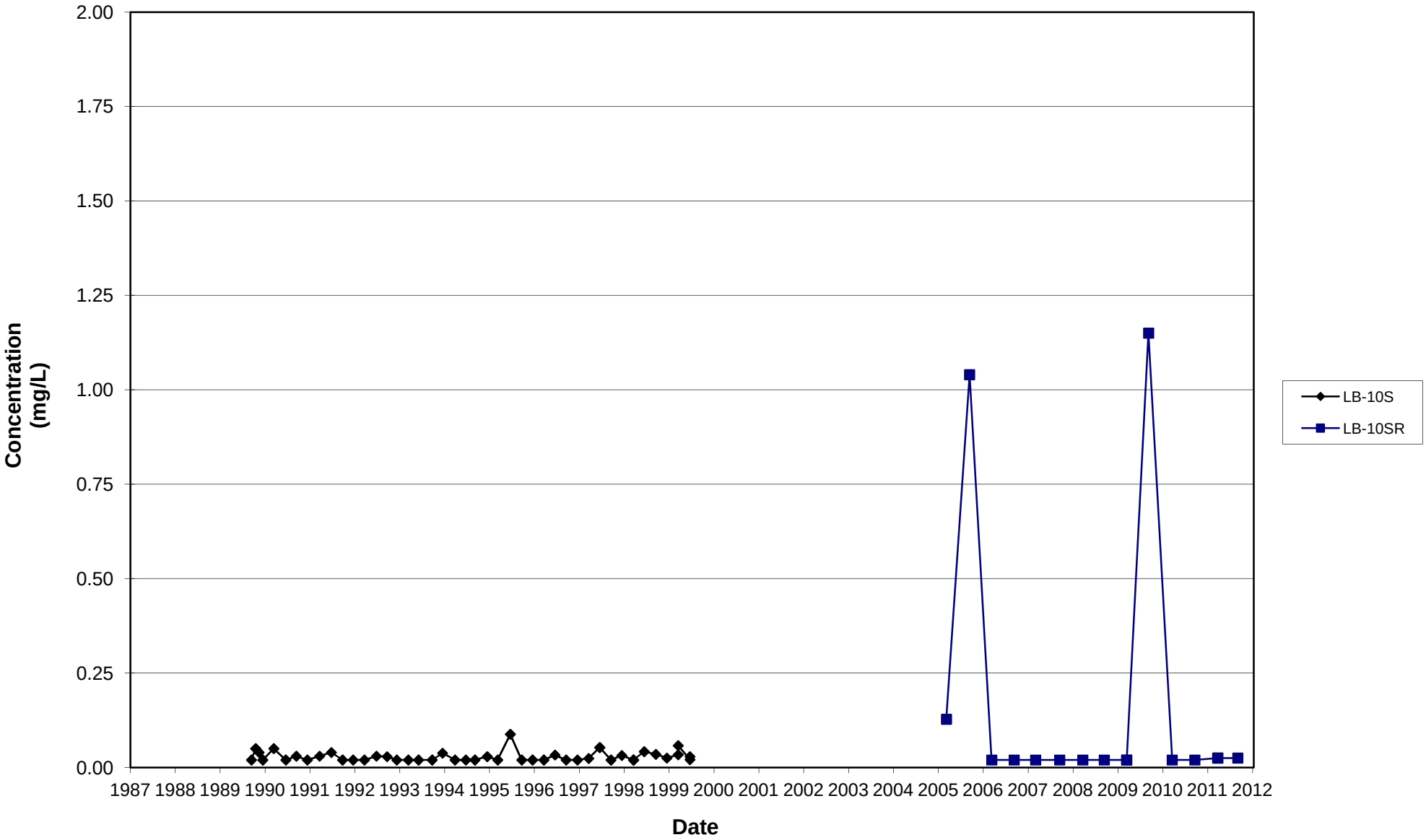
Leichner Landfill
Dissolved Iron, LB-05D
1987 - 2011



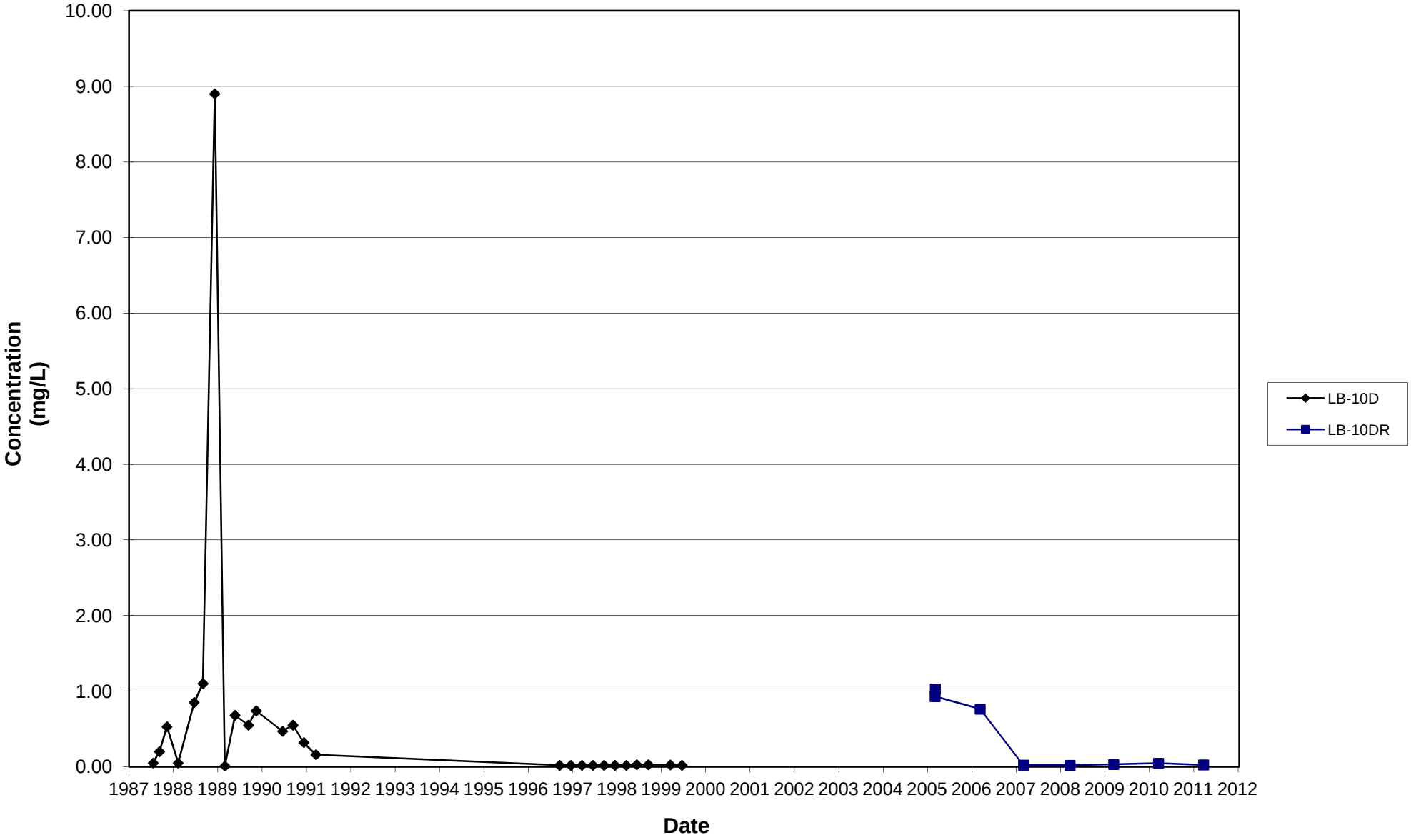
Leichner Landfill
Dissolved Iron, LB-06S
1987 - 2011



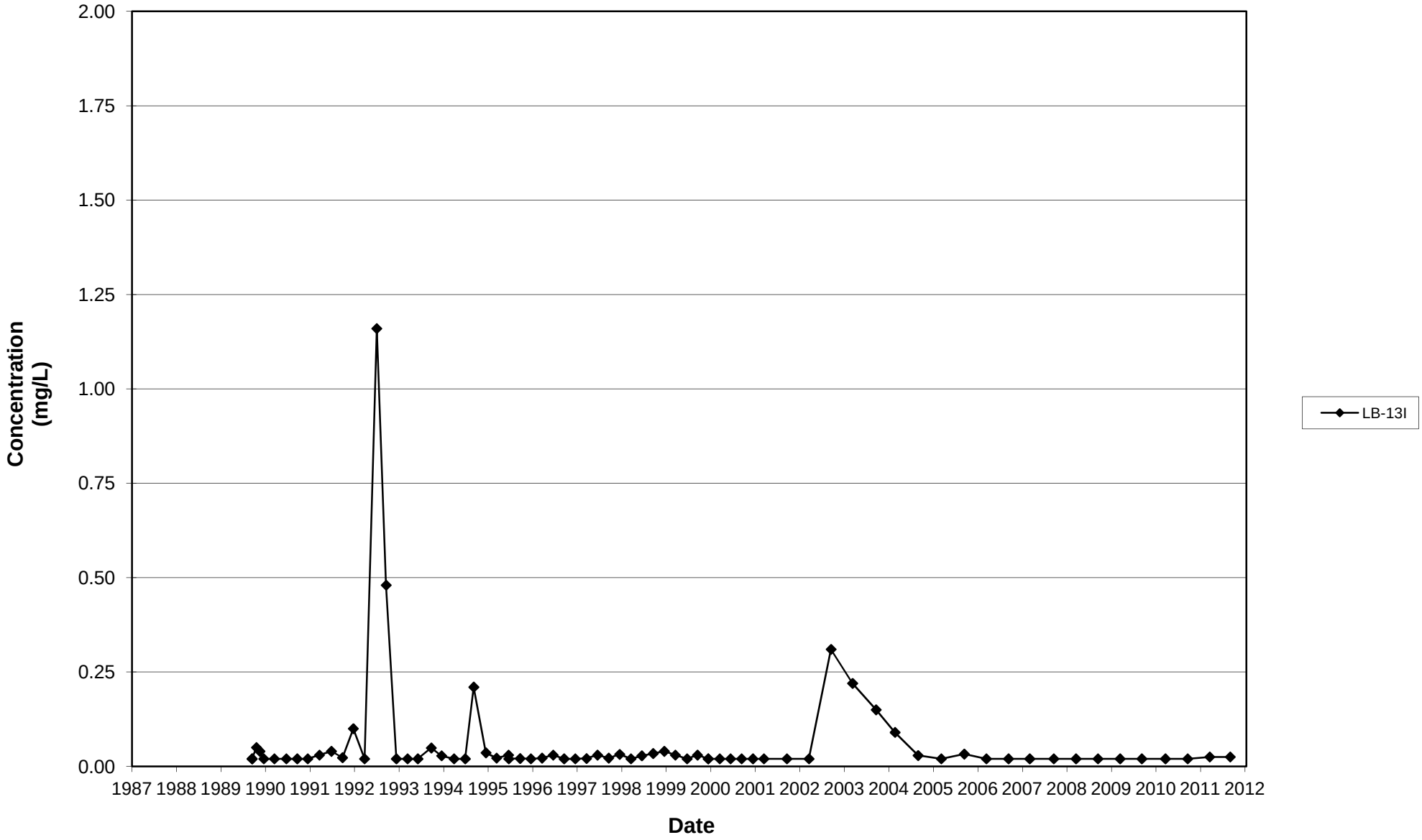
Leichner Landfill
Dissolved Iron, LB-10S and LB-10SR
1987 - 2011



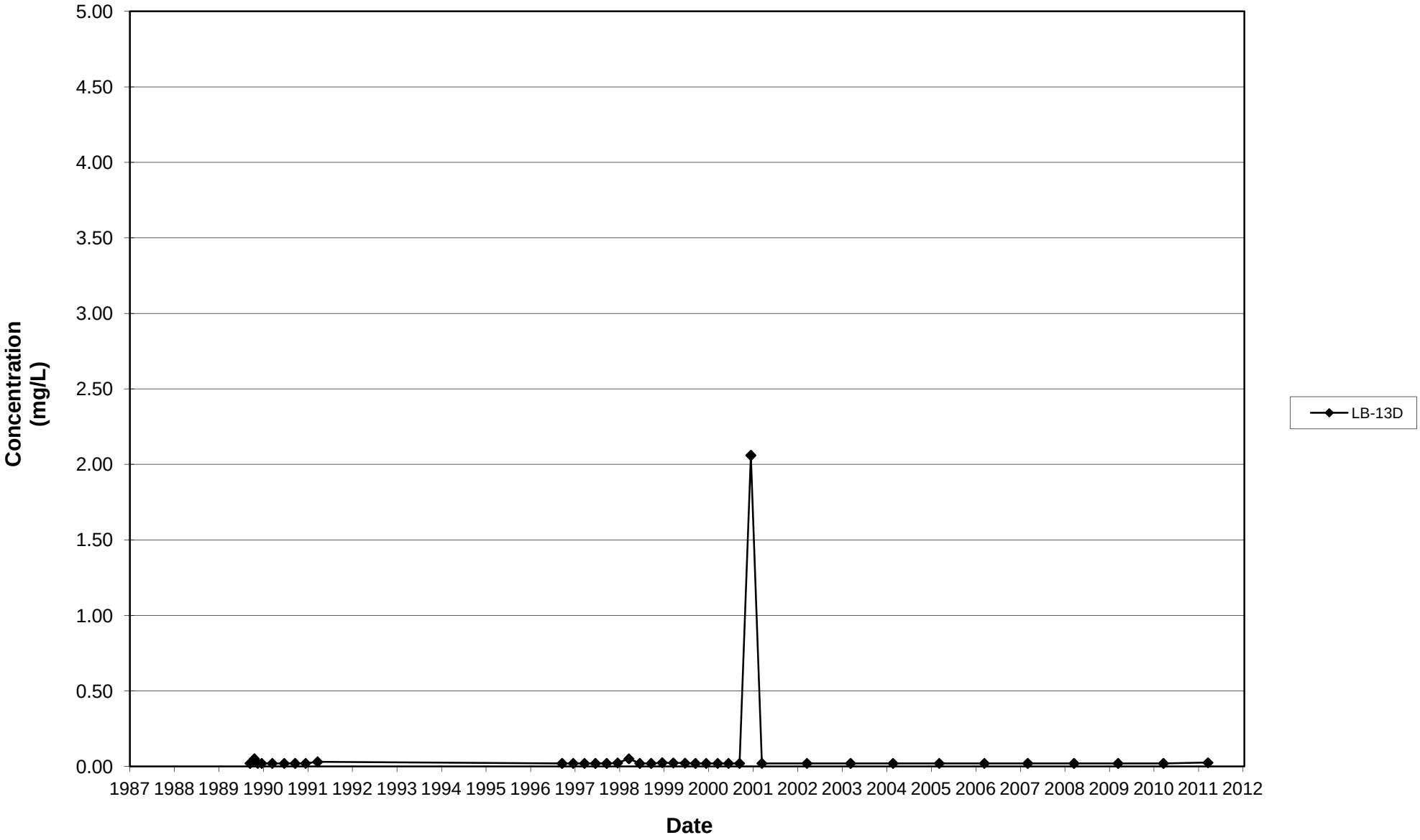
Leichner Landfill
Dissolved Iron, LB-10D and LB-10DR
1987 - 2011



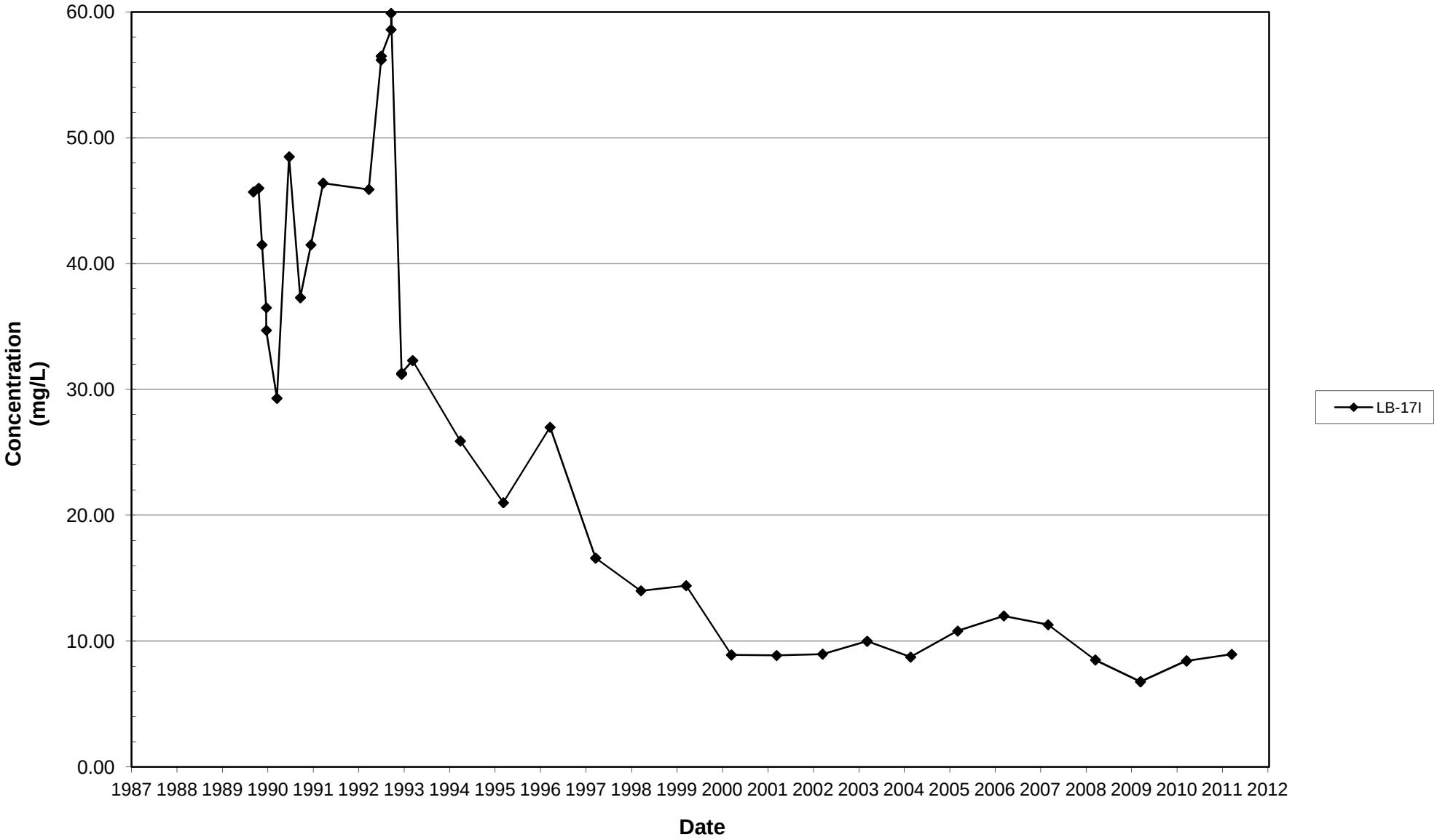
Leichner Landfill
Dissolved Iron, LB-13I
1987 - 2011



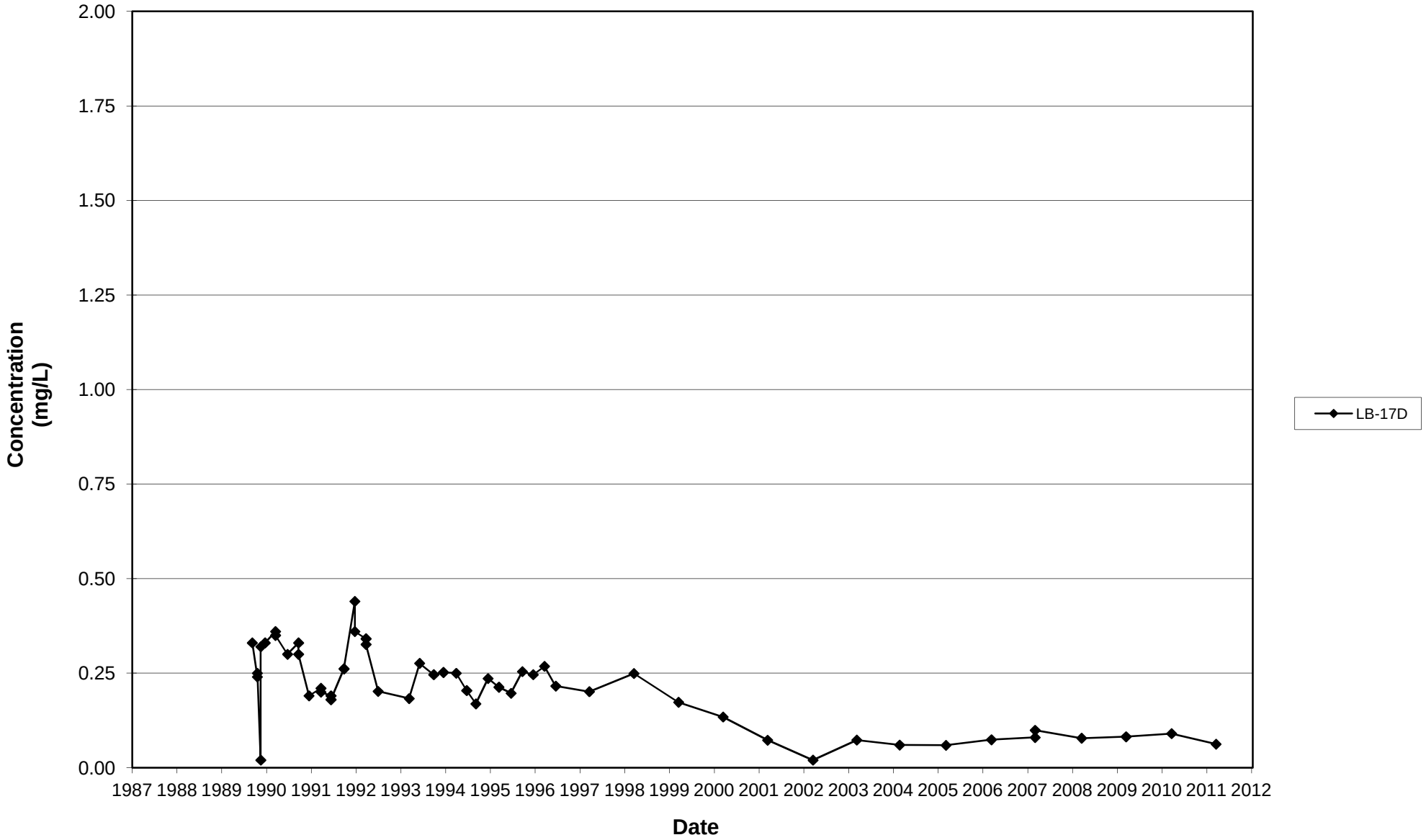
Leichner Landfill
Dissolved Iron, LB-13D
1987 - 2010



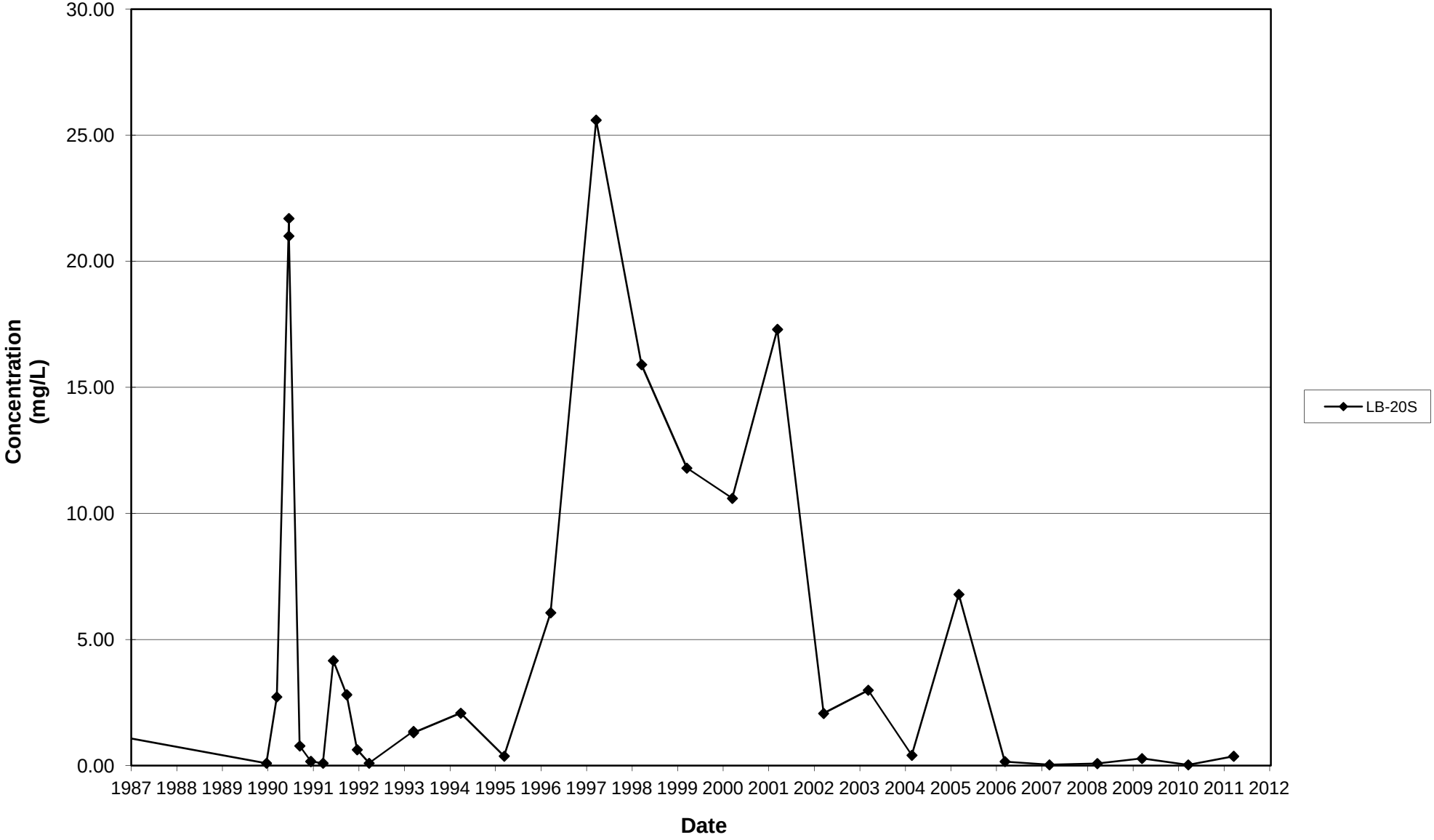
Leichner Landfill
Dissolved Iron, LB-17I
1987 - 2011



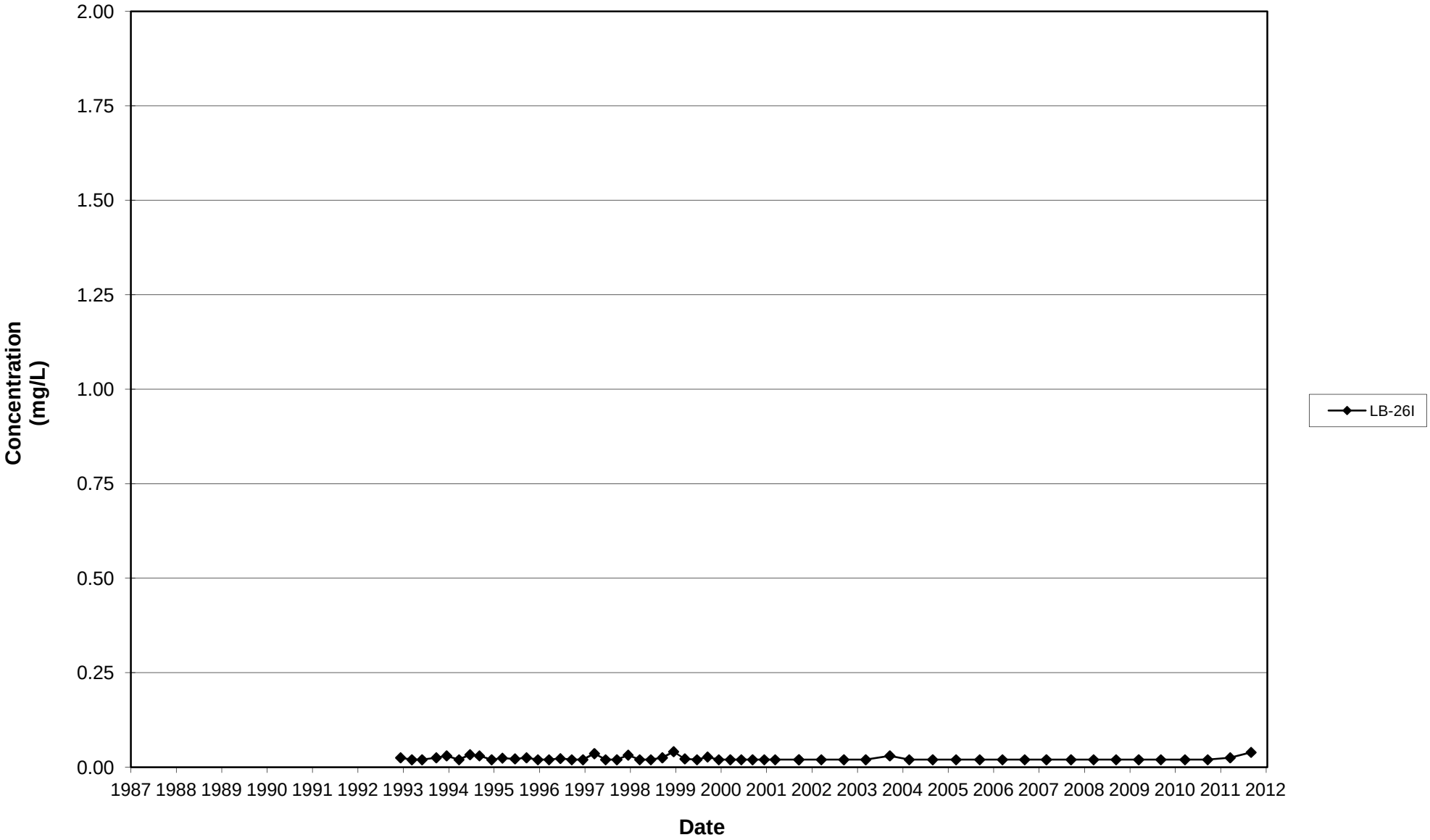
Leichner Landfill
Dissolved Iron, LB-17D
1987 - 2011



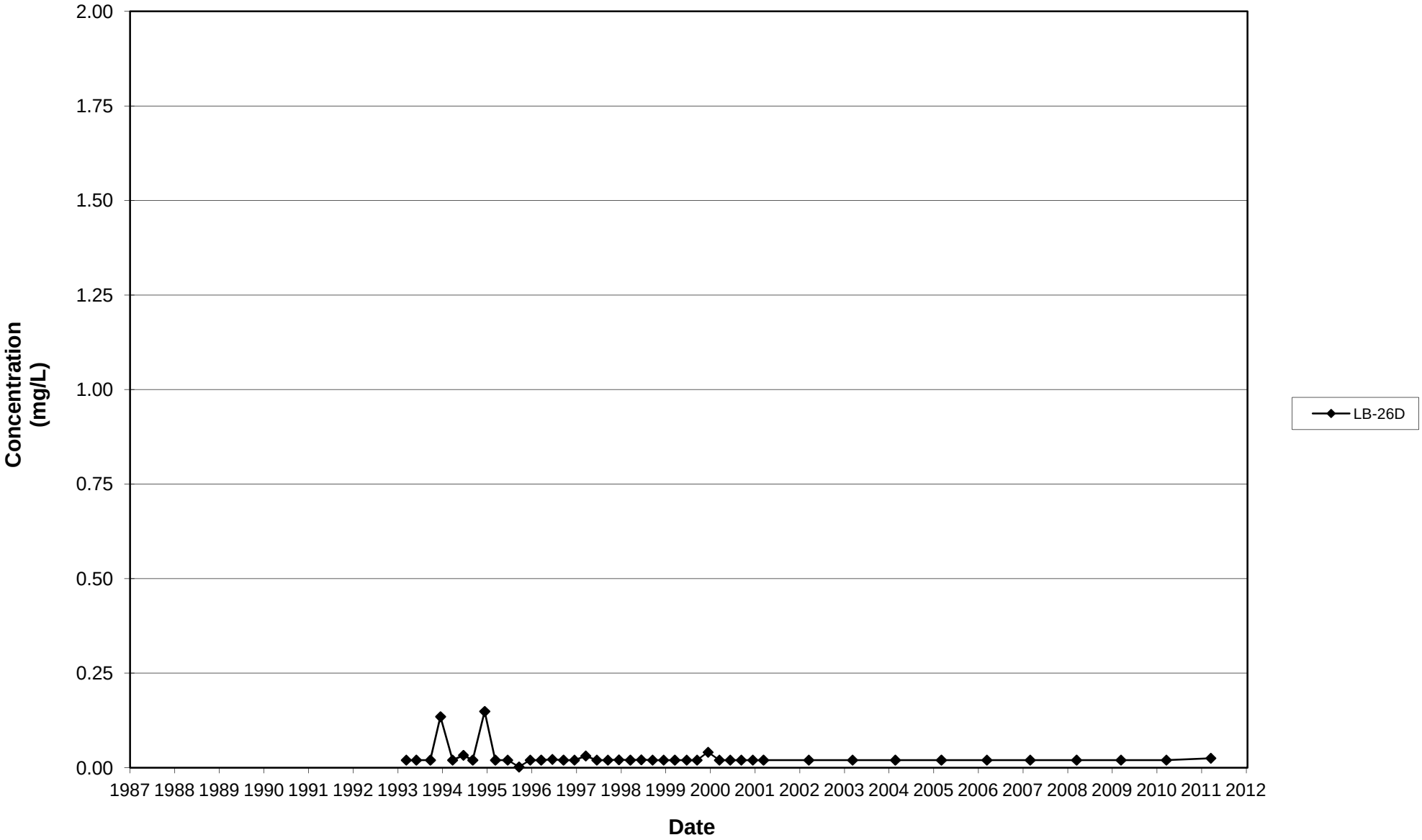
Leichner Landfill
Dissolved Iron, LB-20S
1987 - 2011



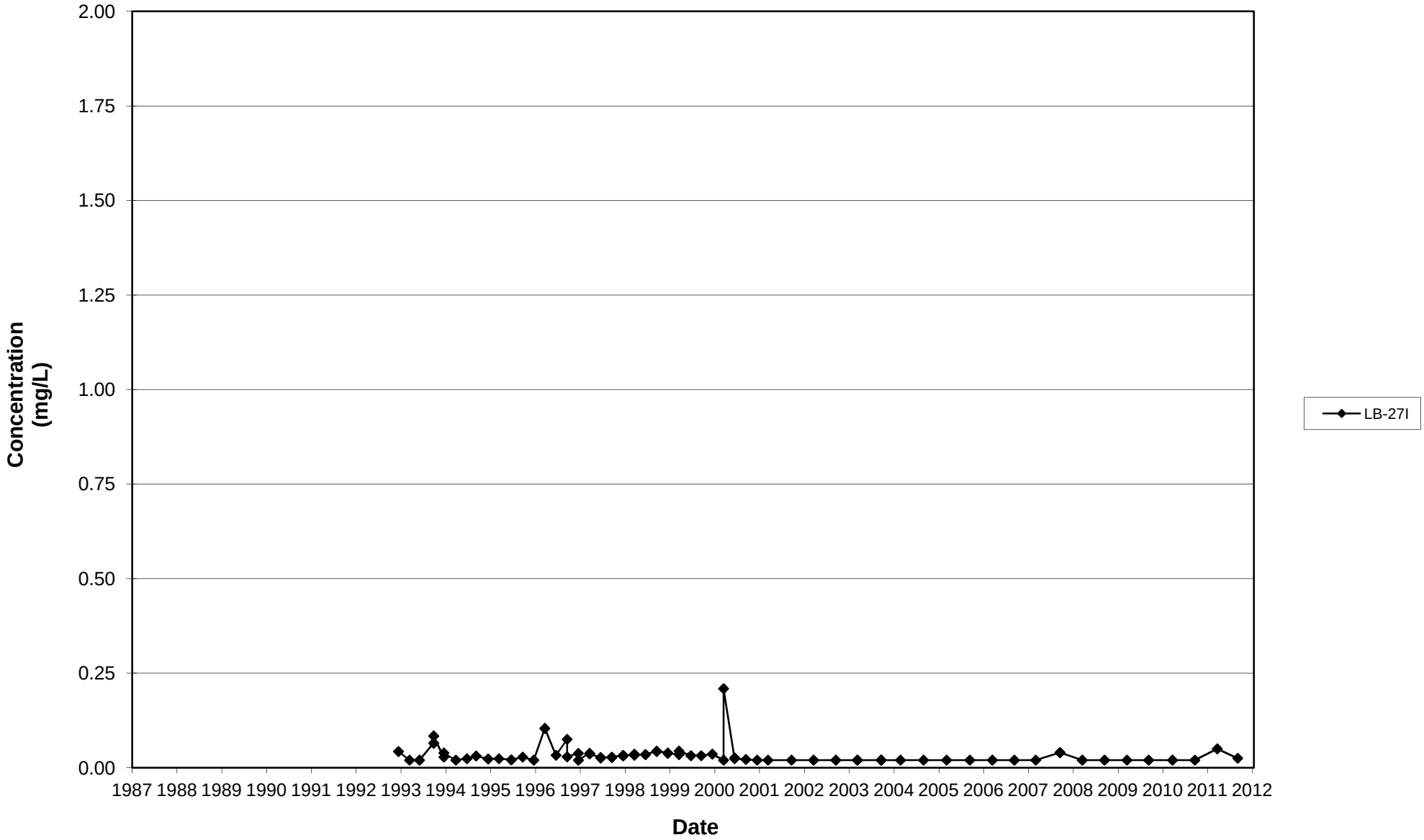
Leichner Landfill
Dissolved Iron, LB-26I
1987 - 2011



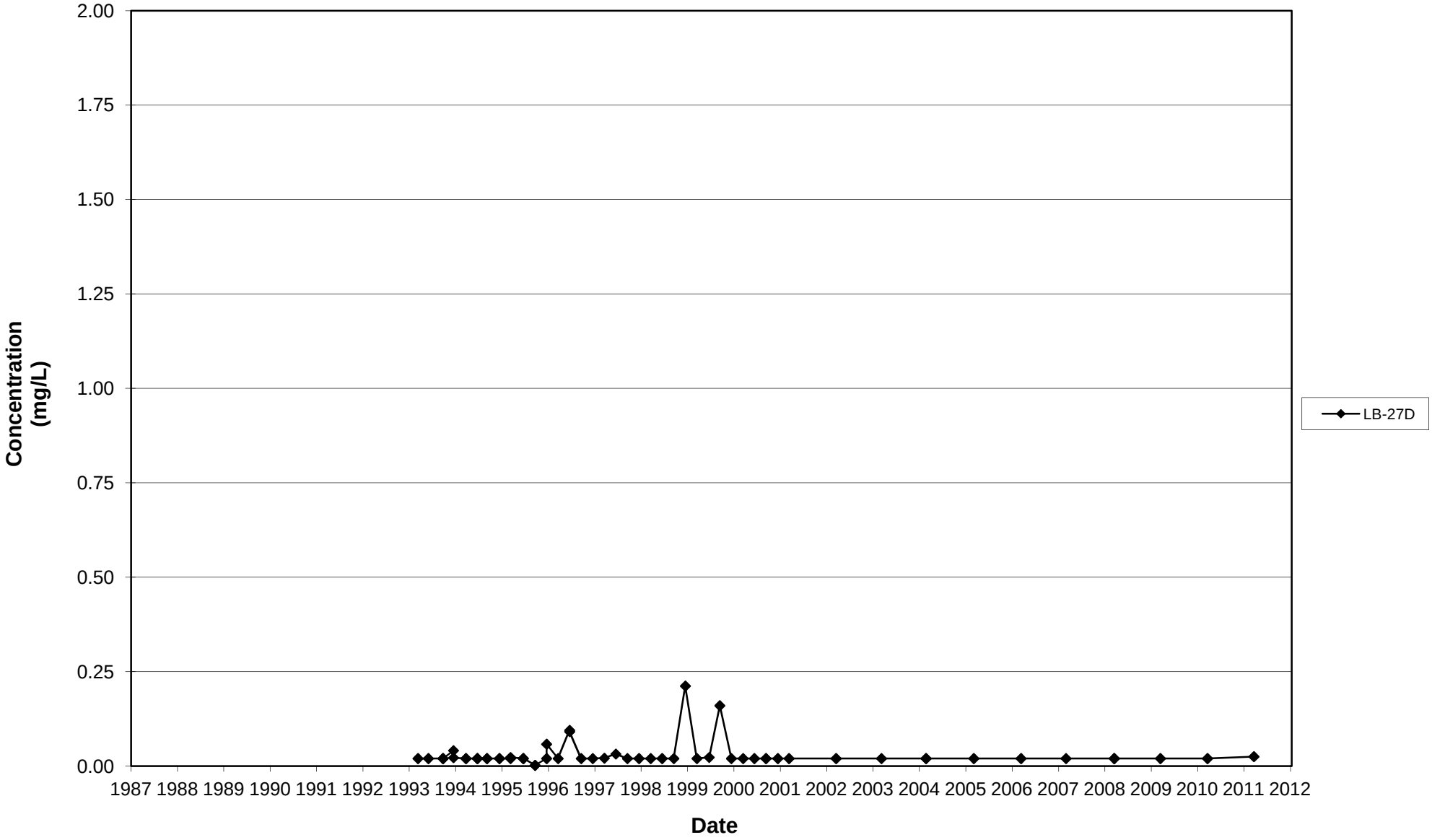
Leichner Landfill
Dissolved Iron, LB-26D
1987 - 2011



Leichner Landfill
Dissolved Iron, LB-27I
1987 - 2011

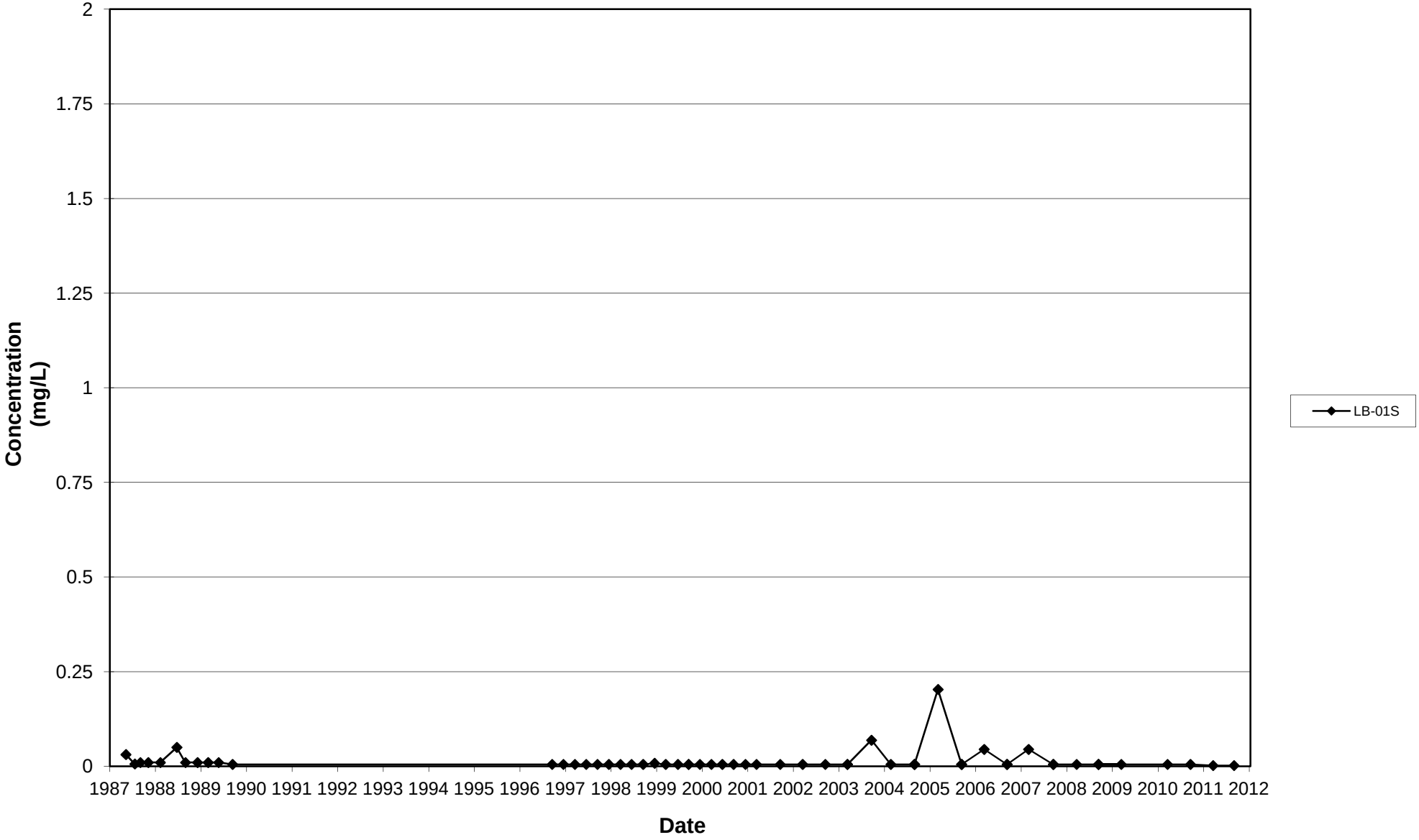


Leichner Landfill
Dissolved Iron, LB-27D
1987 - 2011

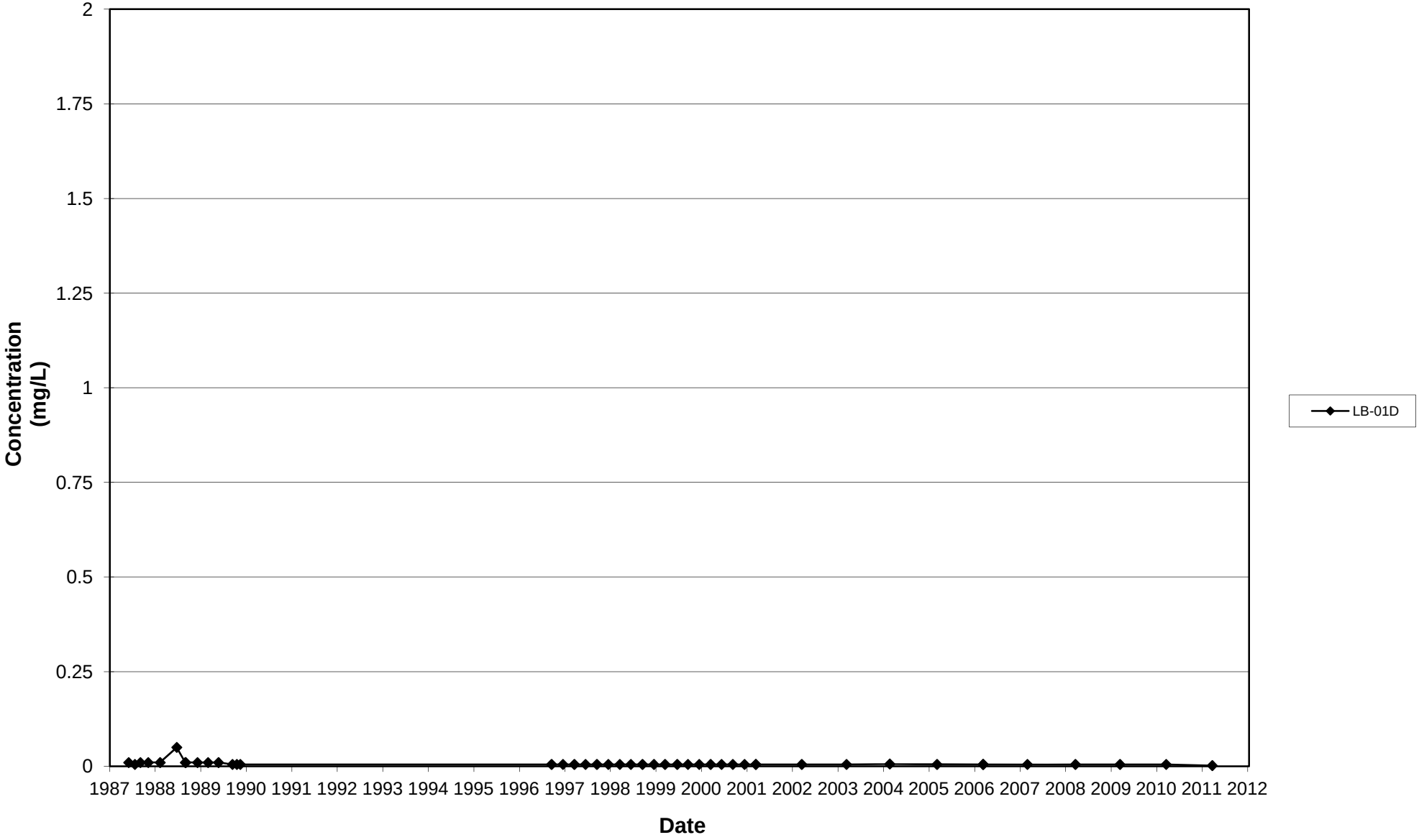


Dissolved Manganese

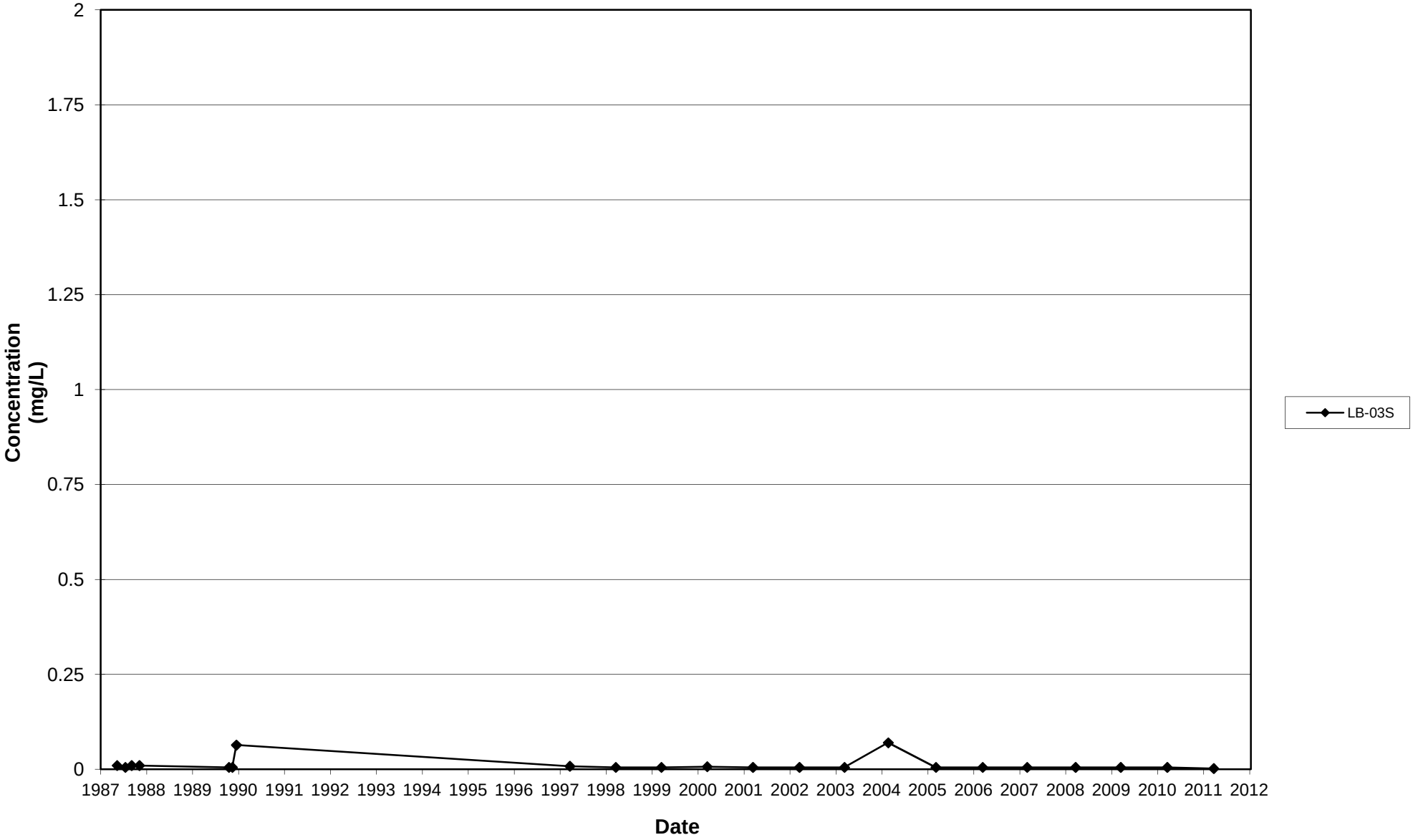
Leichner Landfill
Dissolved Manganese, LB-01S
1987 - 2011



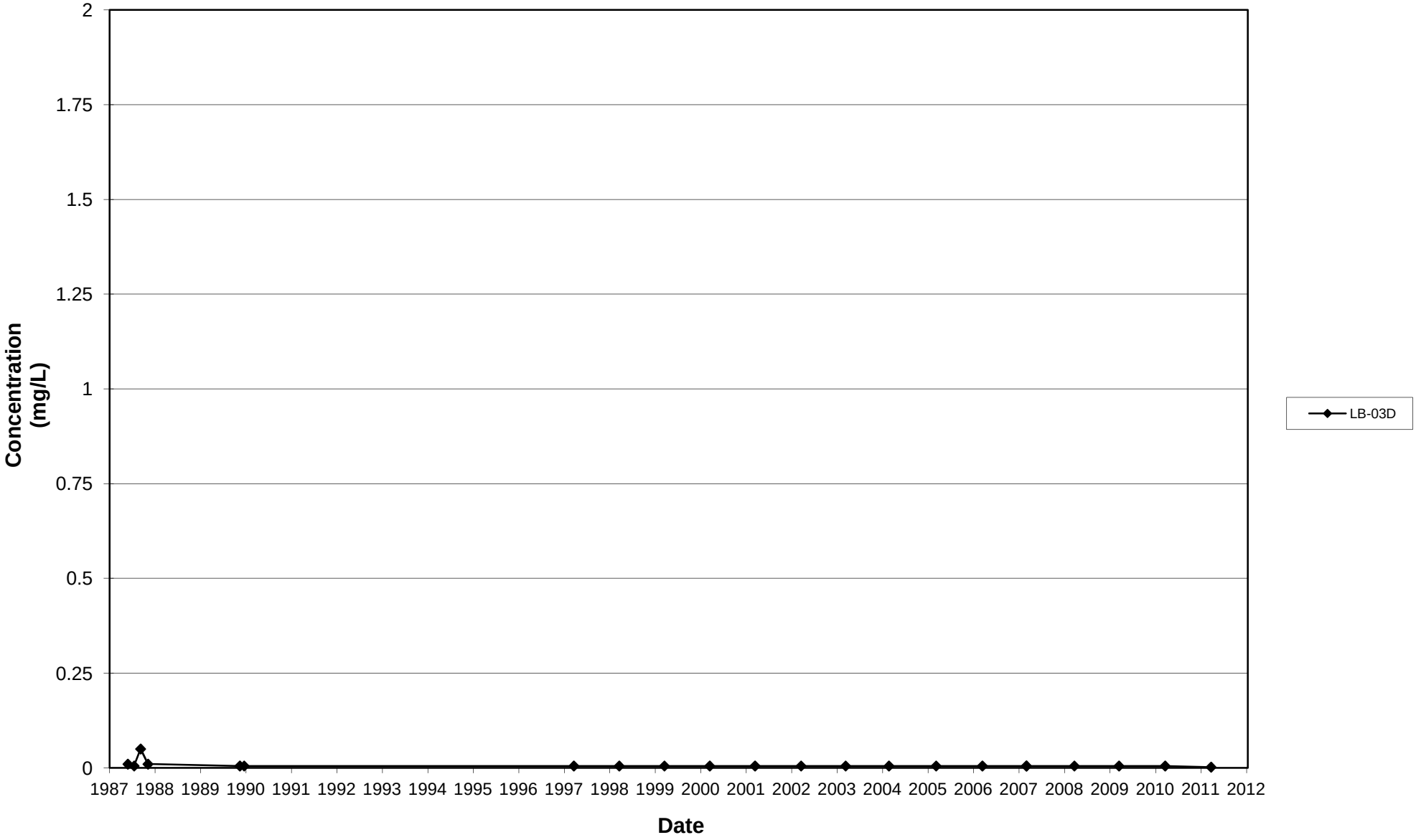
Leichner Landfill
Dissolved Manganese, LB-01D
1987 - 2011



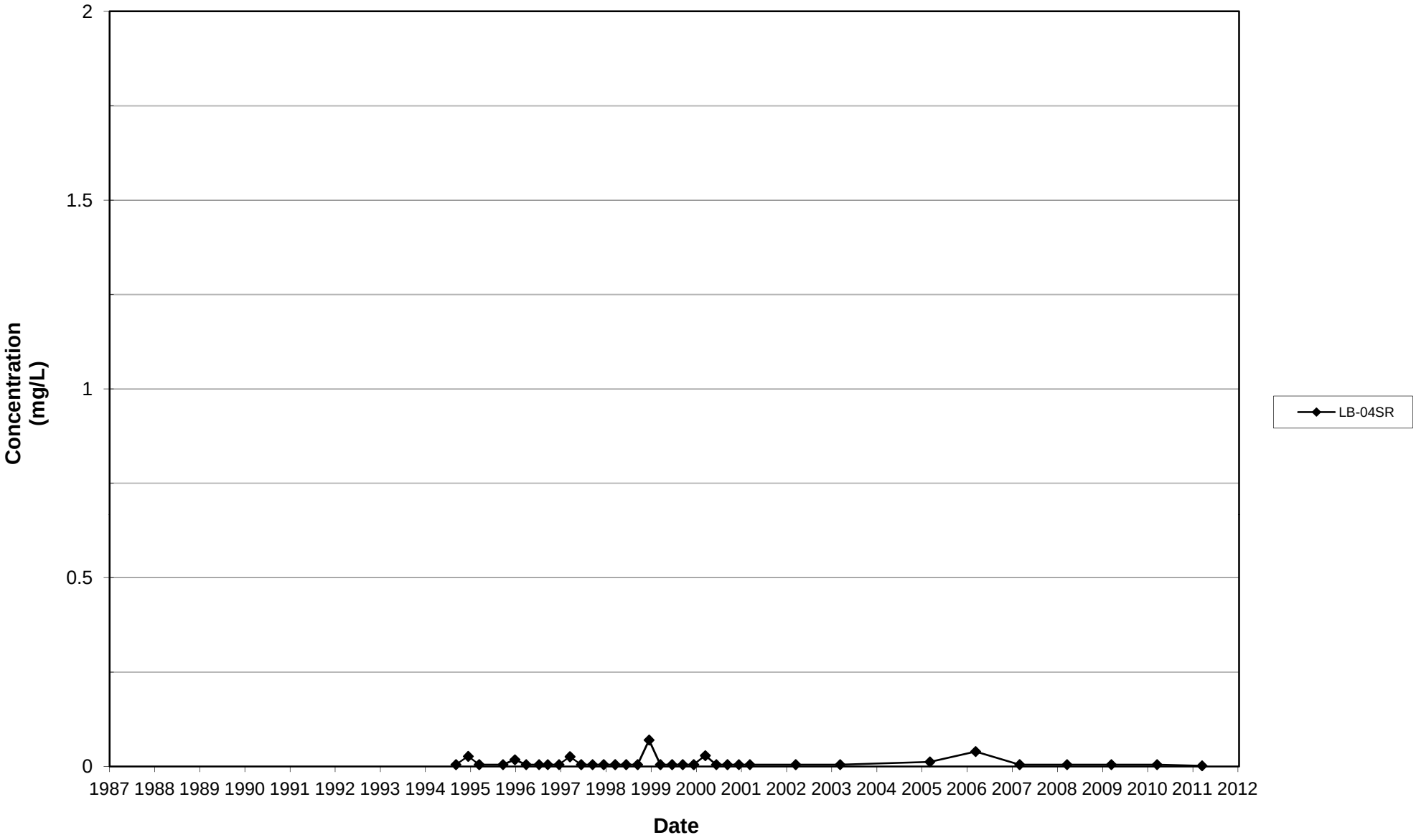
Leichner Landfill
Dissolved Manganese, LB-03S
1987 - 2011



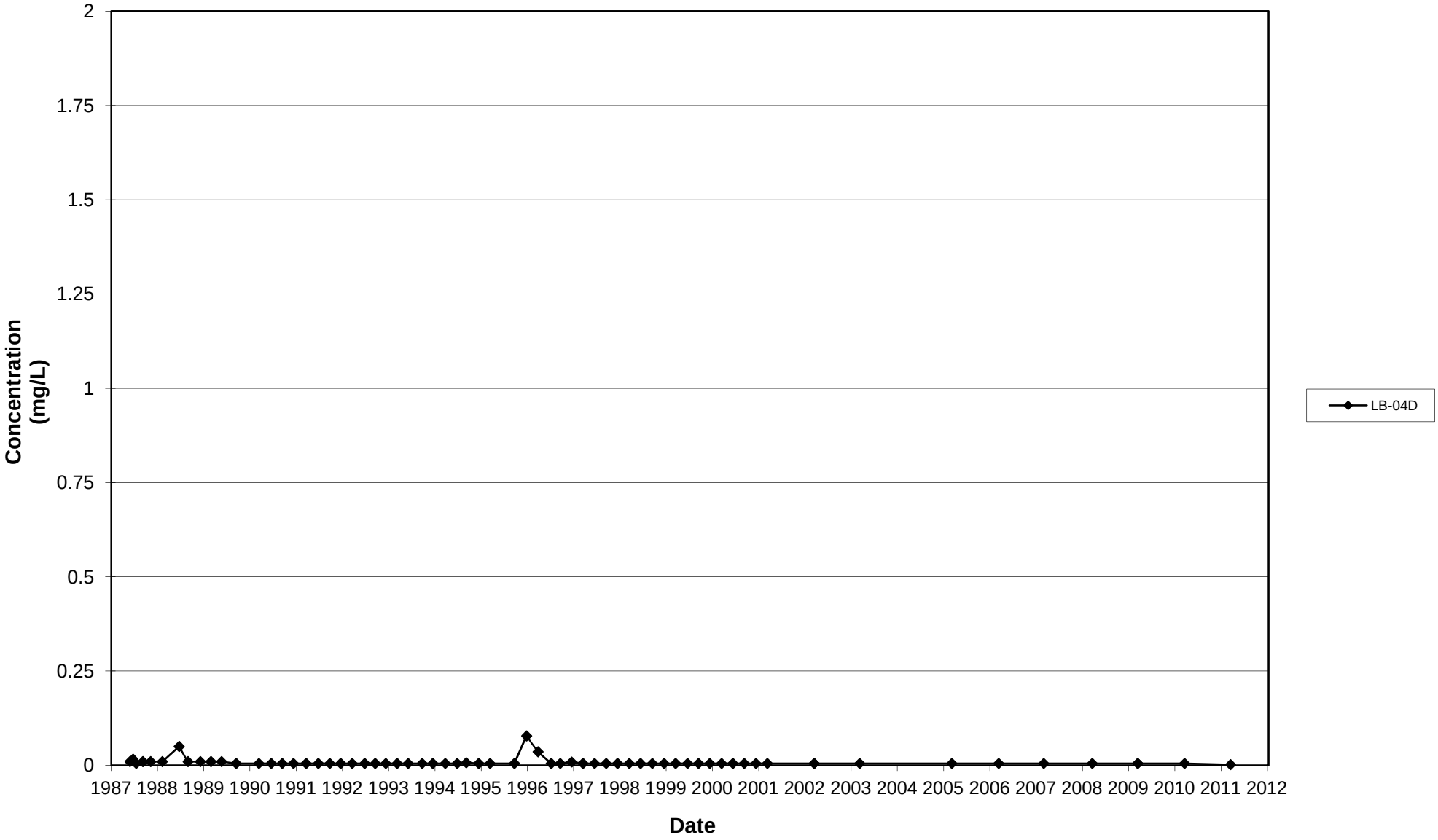
Leichner Landfill
Dissolved Manganese, LB-03D
1987 - 2011



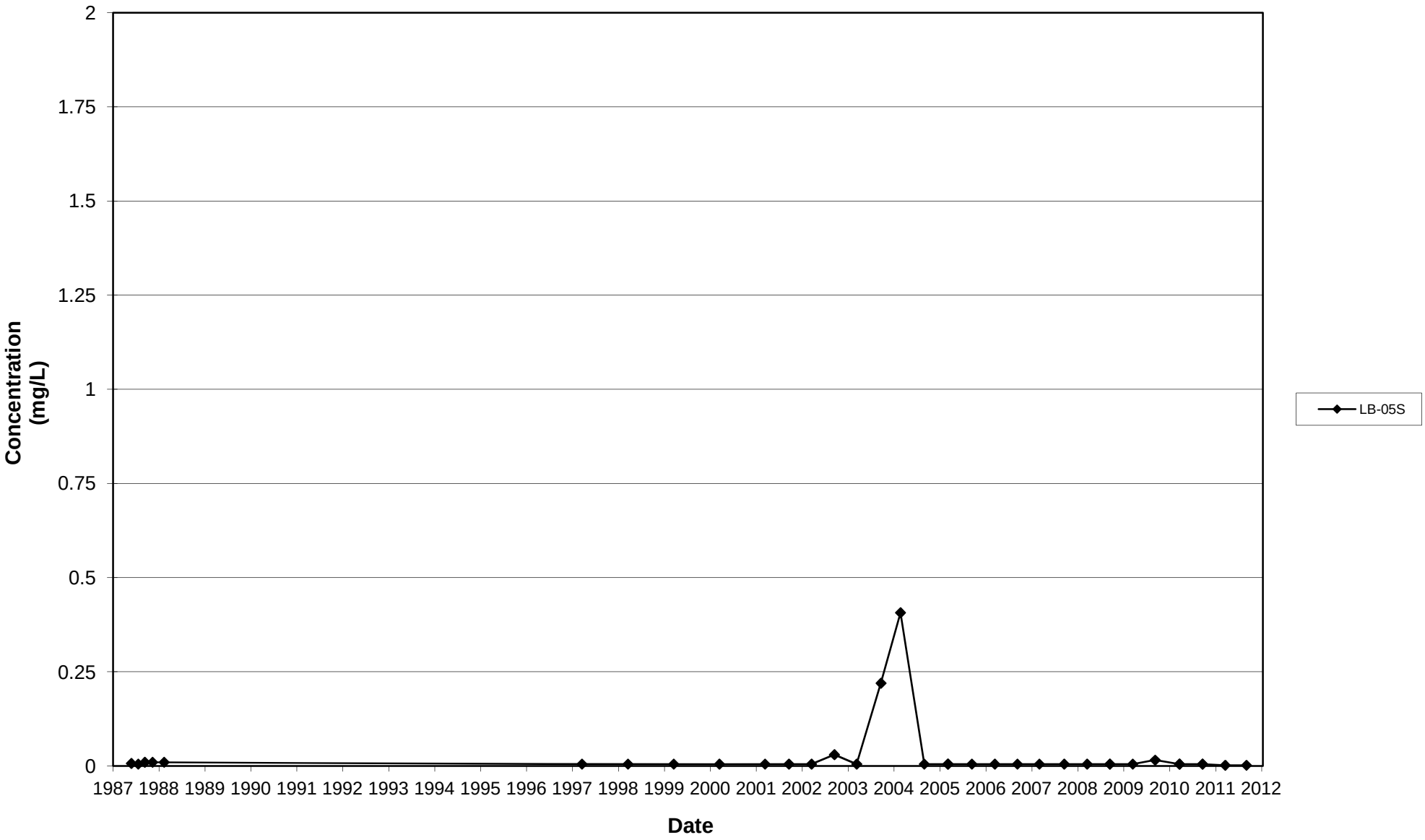
Leichner Landfill
Dissolved Manganese, LB-04SR
1987 - 2011



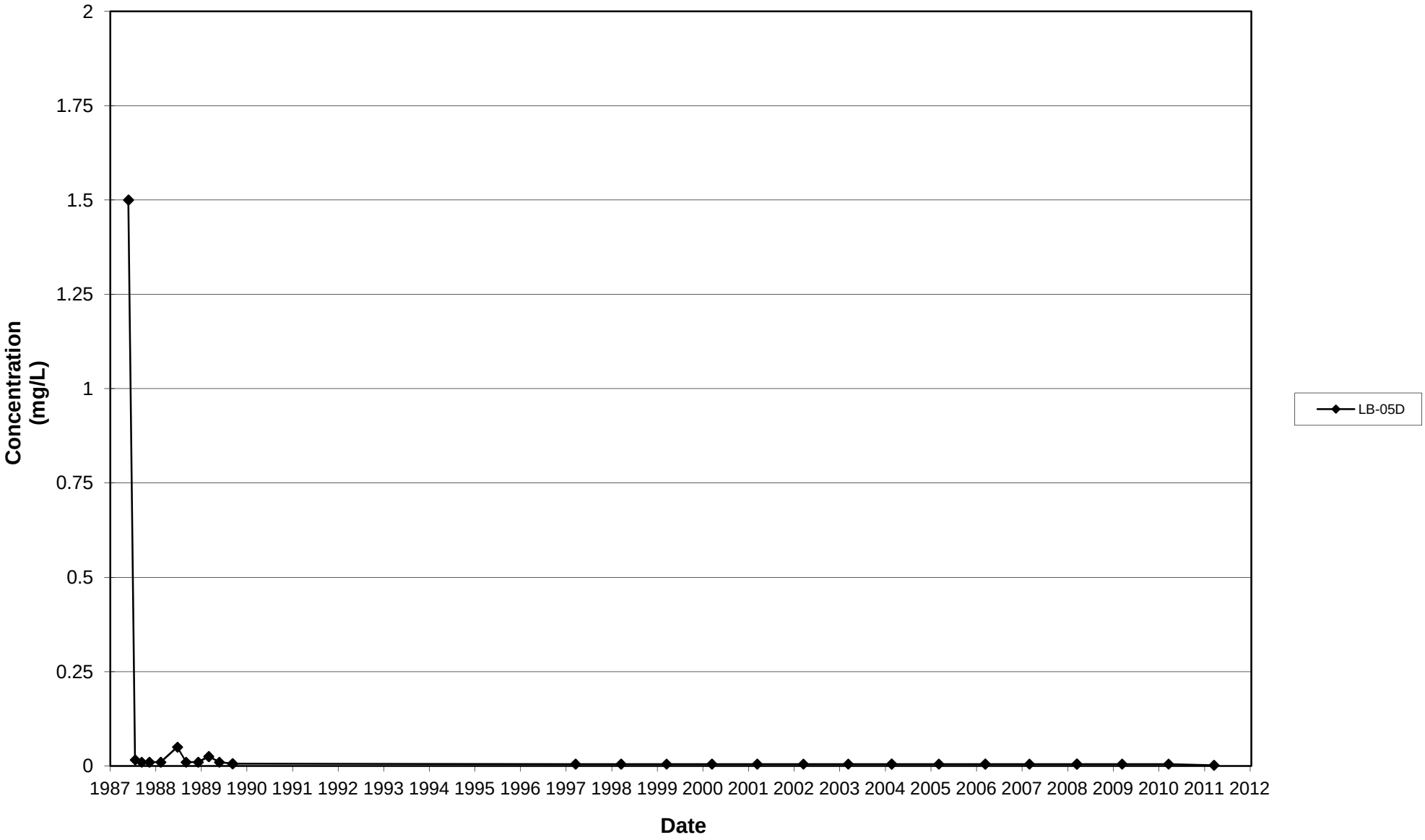
Leichner Landfill
Dissolved Manganese, LB-04D
1987 - 2011



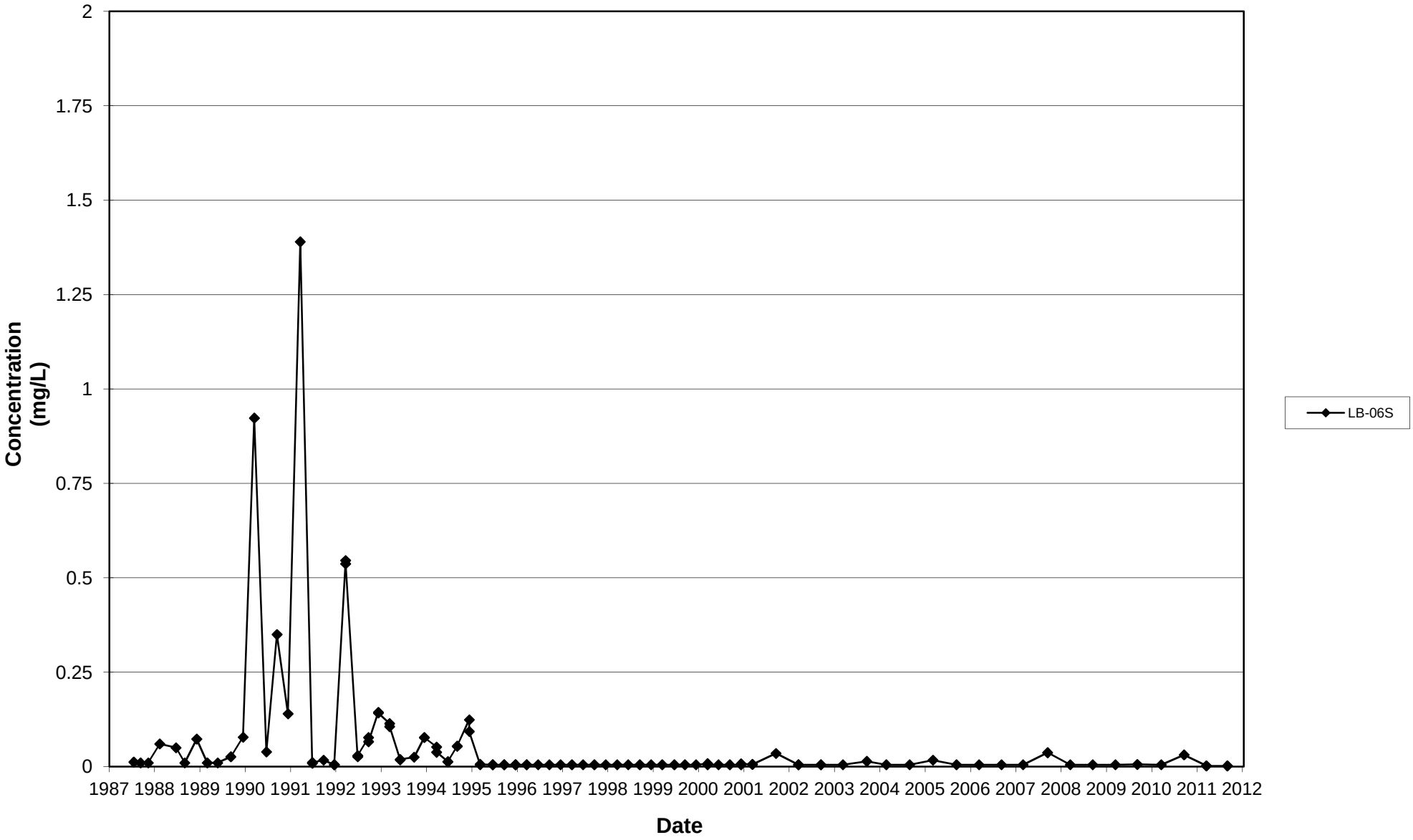
Leichner Landfill
Dissolved Manganese, LB-05S
1987 - 2011



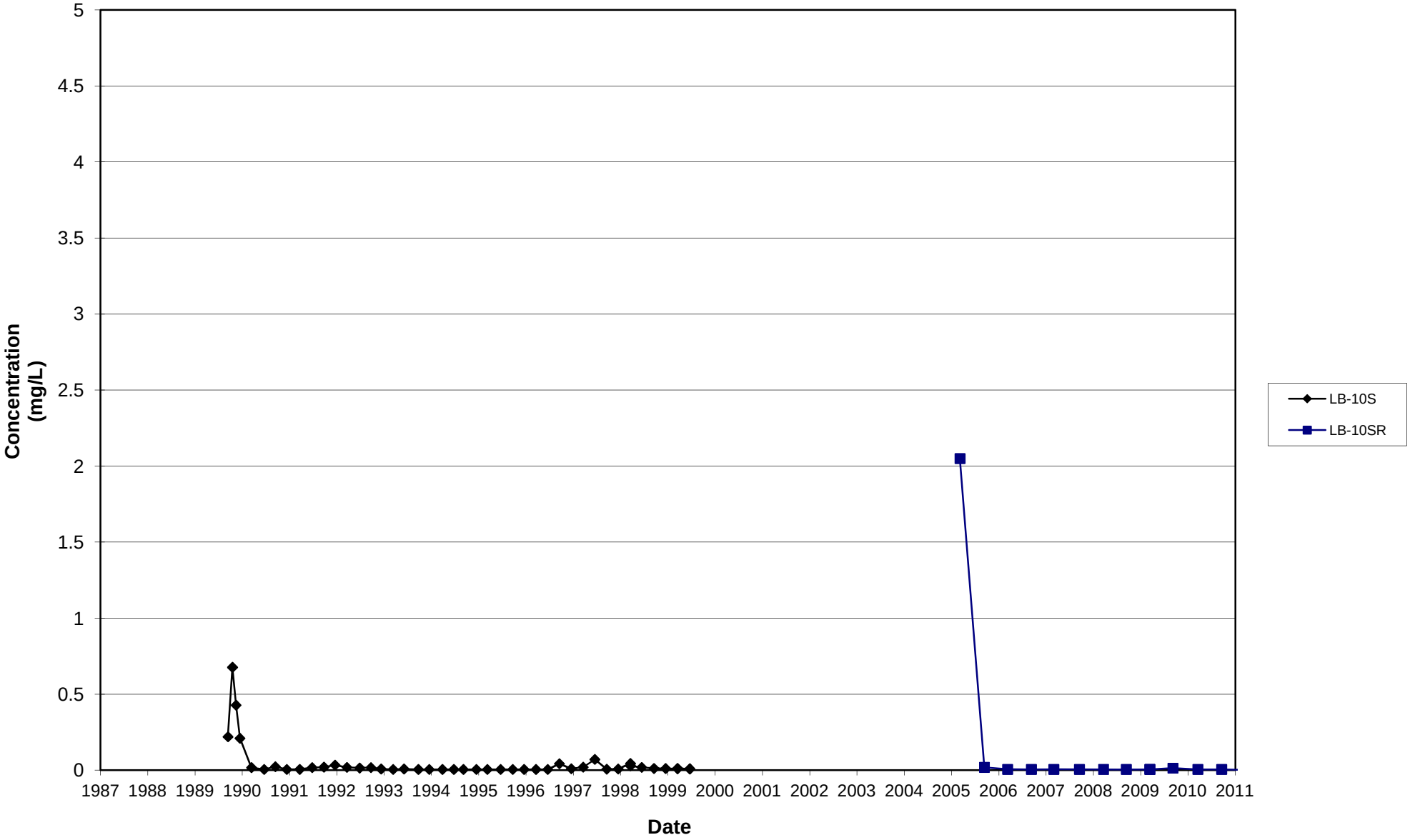
Leichner Landfill
Dissolved Manganese, LB-05D
1987 - 2011



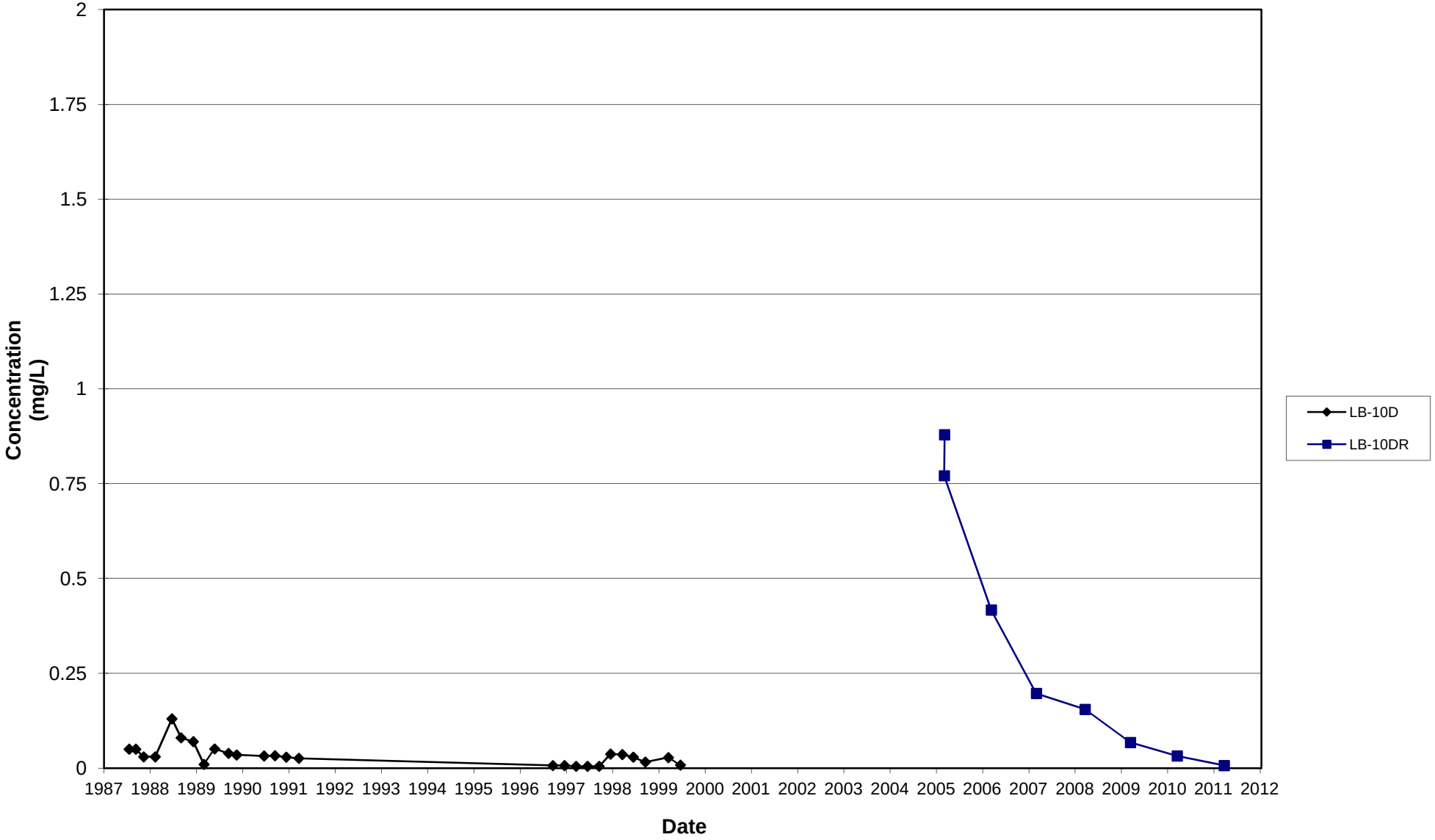
Leichner Landfill
Dissolved Manganese, LB-06S
1987 - 2011



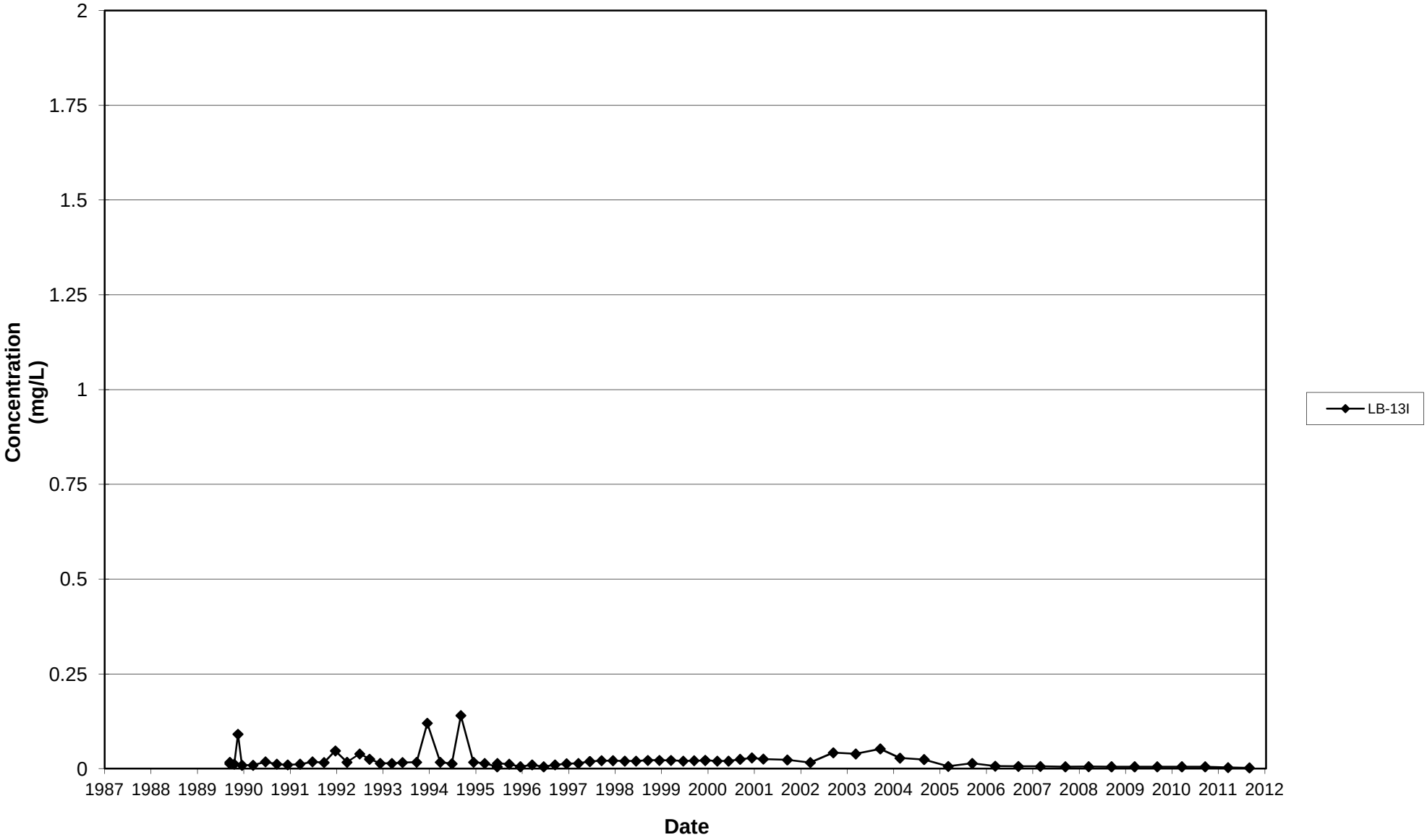
Leichner Landfill
Dissolved Manganese, LB-10S and LB-10SR
1987 - 2011



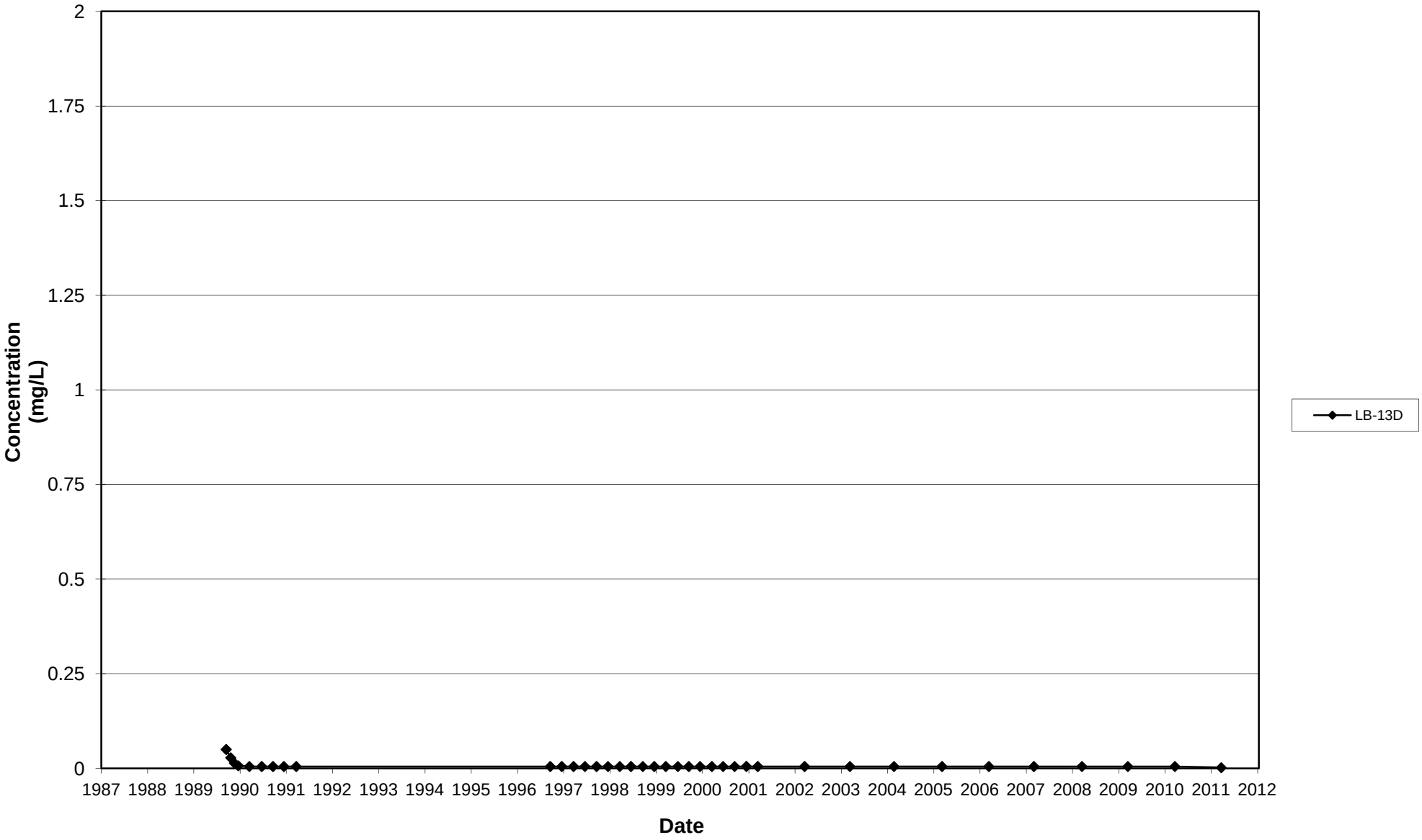
Leichner Landfill
Dissolved Manganese, LB-10D and LB-10DR
1987 - 2011



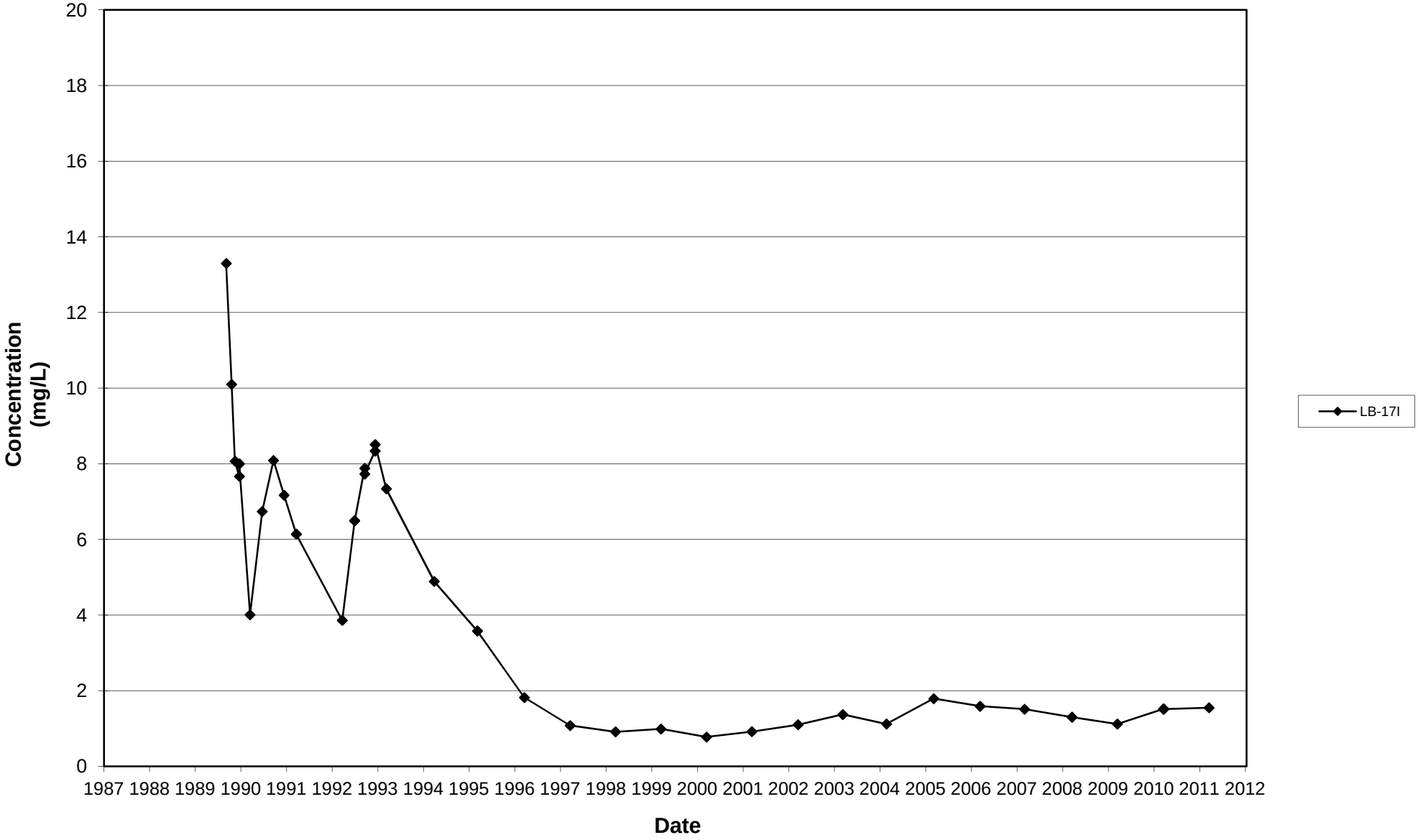
Leichner Landfill
Dissolved Manganese, LB-13I
1987 - 2011



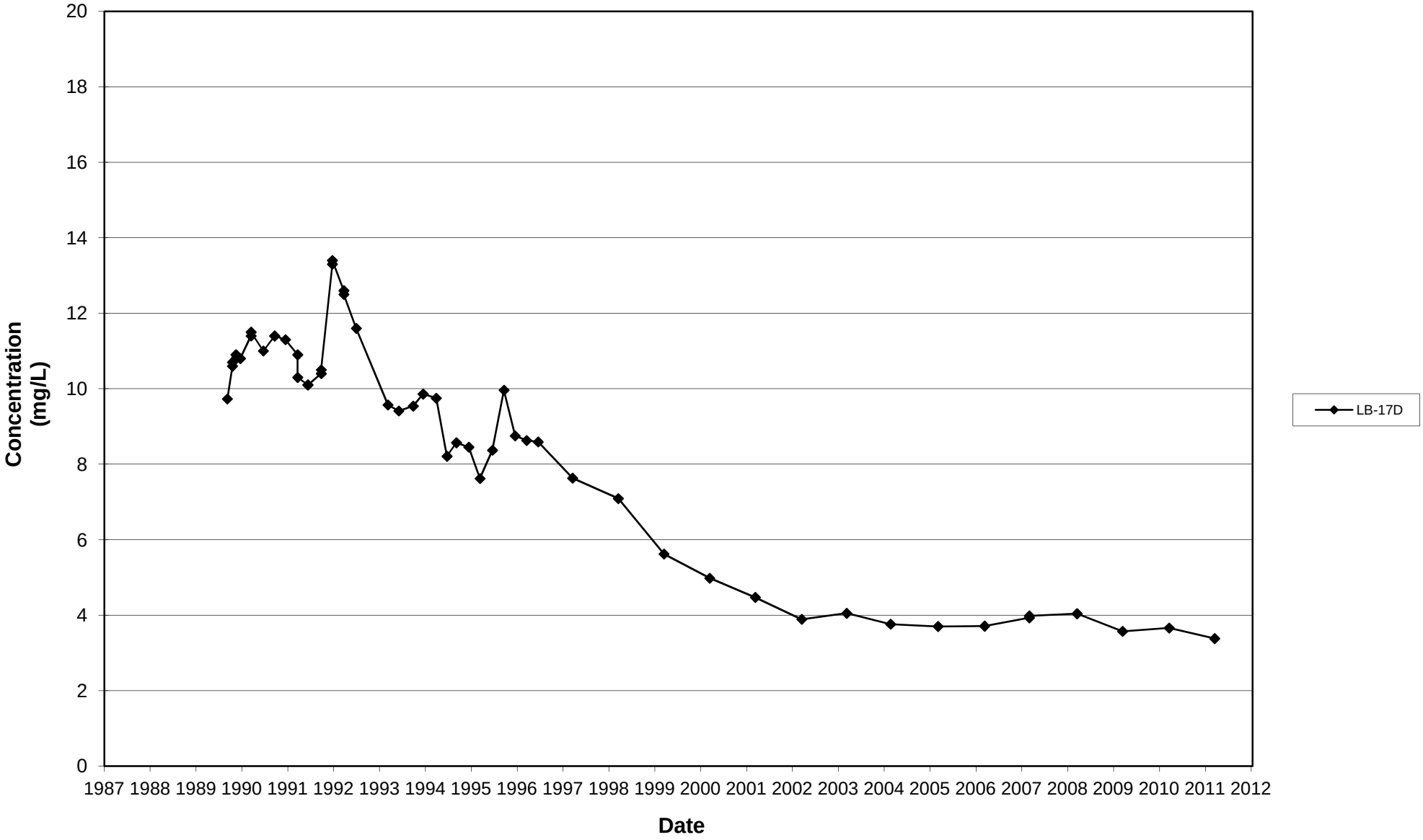
Leichner Landfill
Dissolved Manganese, LB-13D
1987 - 2011



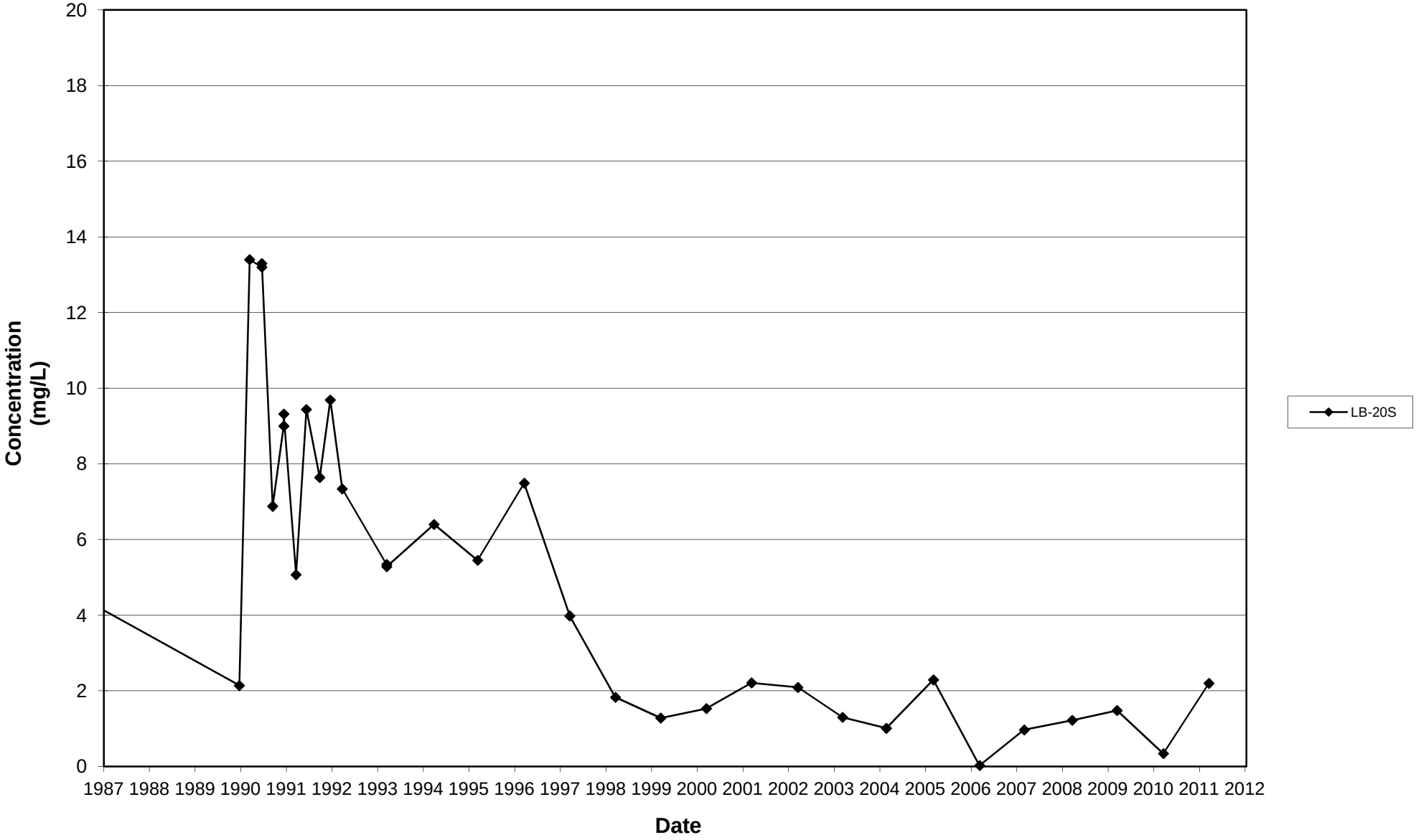
Leichner Landfill
Dissolved Manganese, LB-17I
1987 - 2011



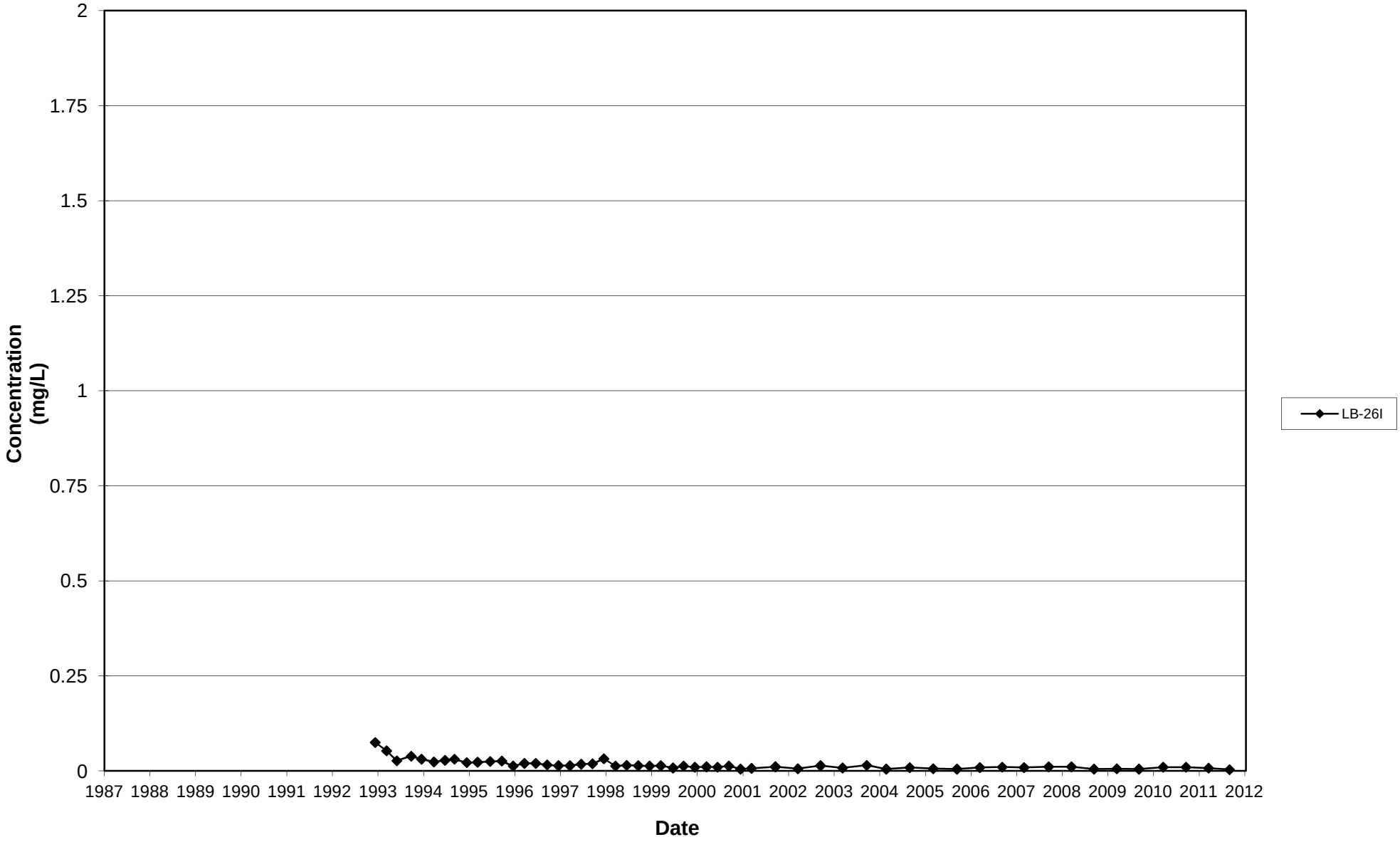
Leichner Landfill
Dissolved Manganese, LB-17D
1987 - 2011



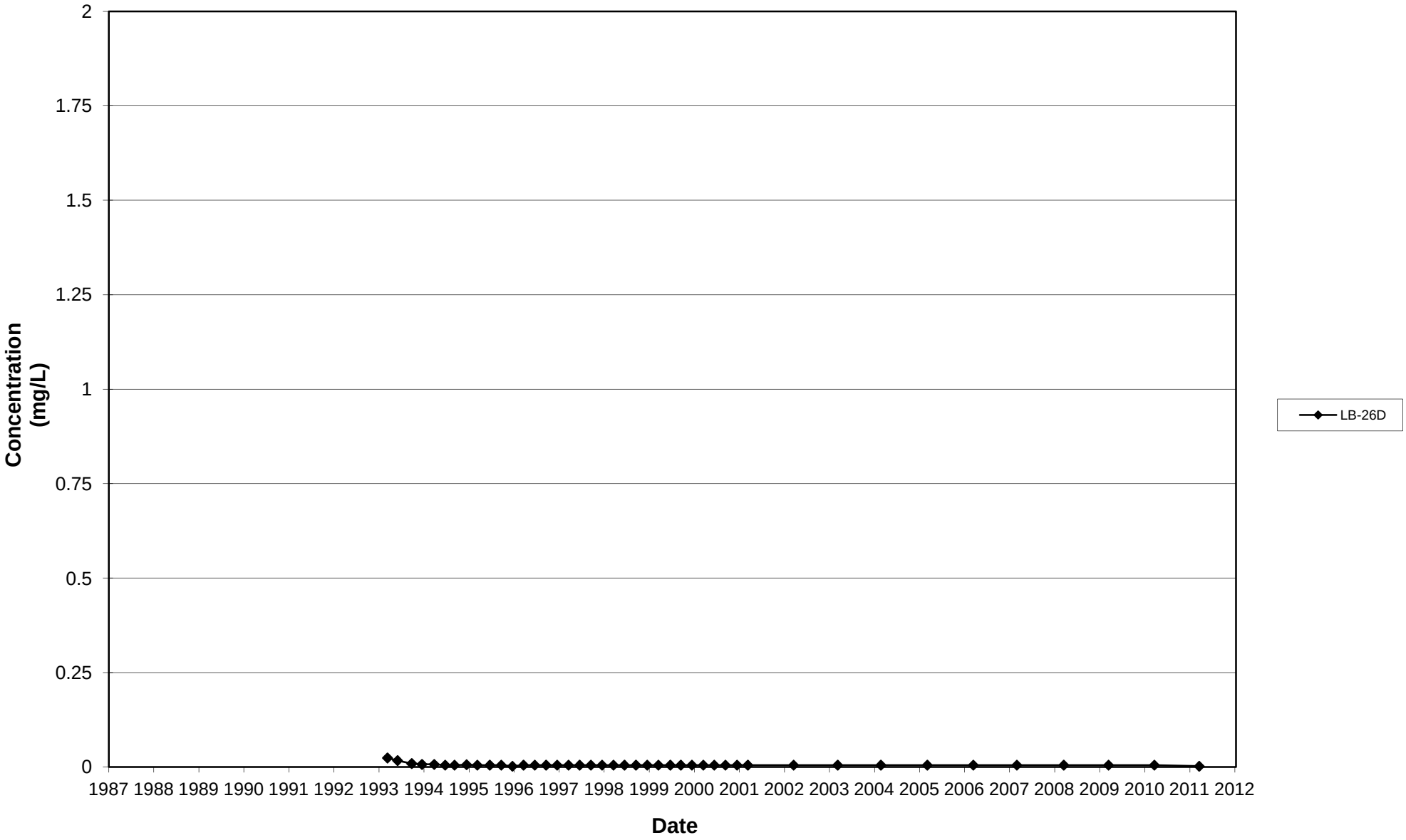
Leichner Landfill
Dissolved Manganese, LB-20S
1987 - 2011



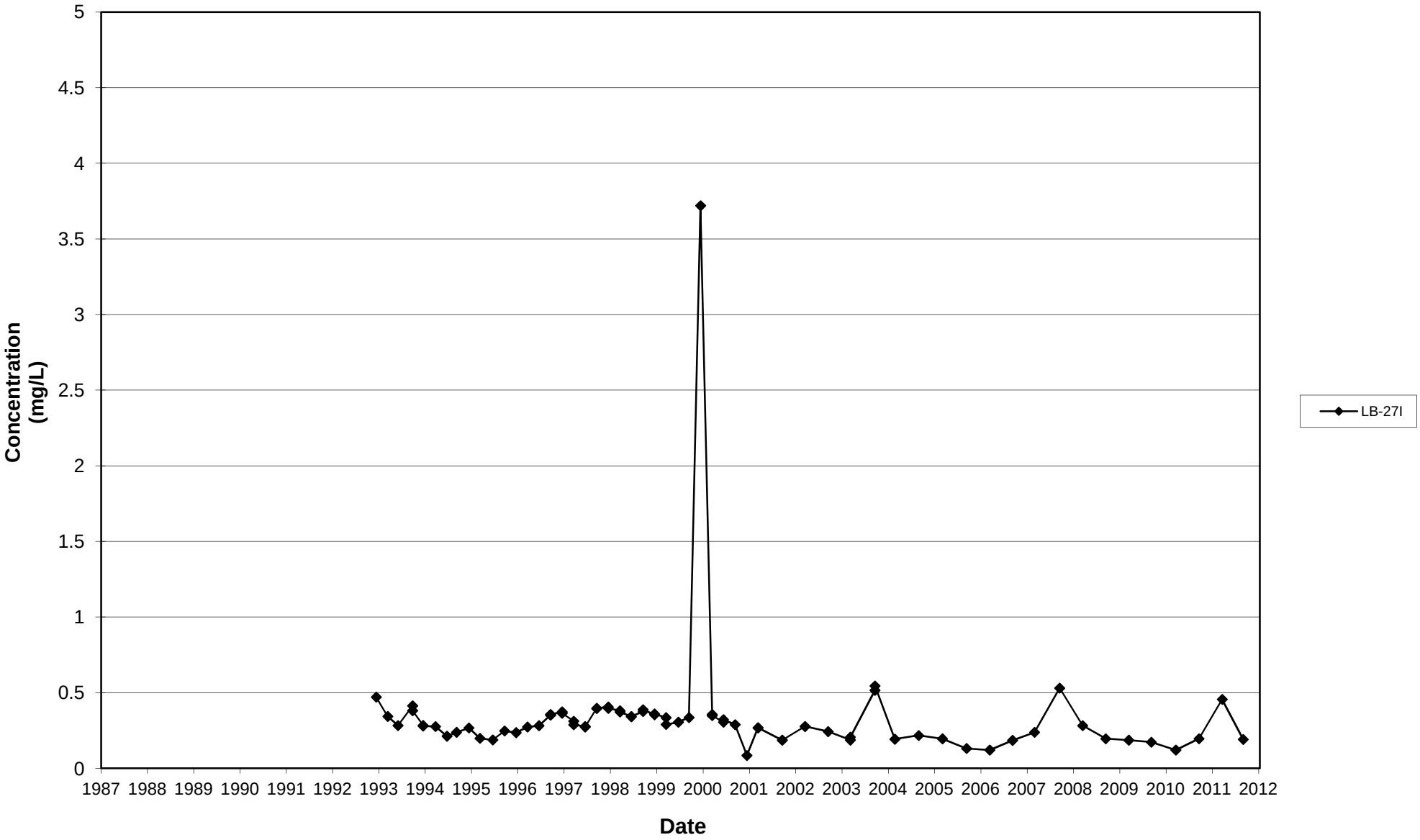
Leichner Landfill
Dissolved Manganese, LB-26I
1987 - 2011



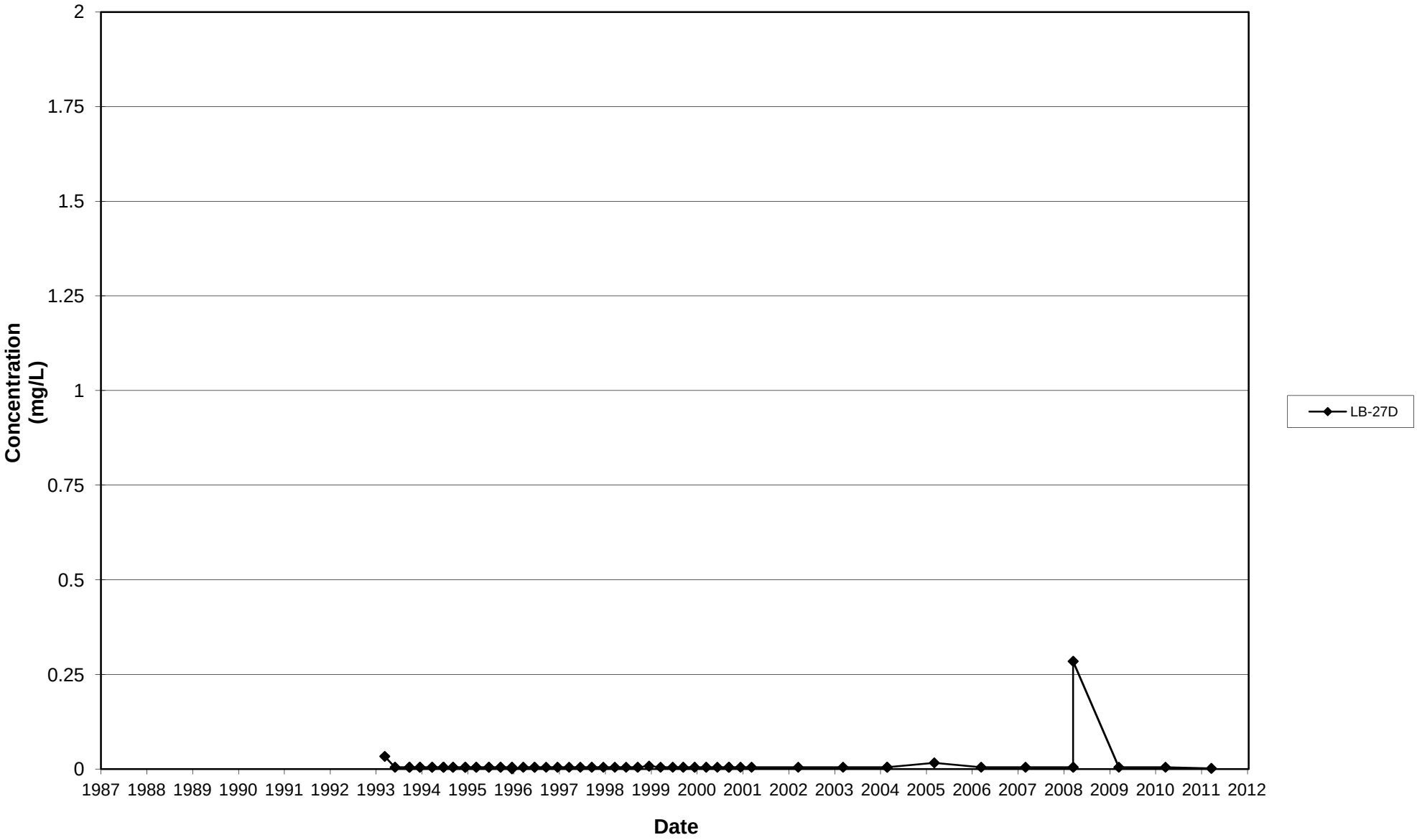
Leichner Landfill
Dissolved Manganese, LB-26D
1987 - 2011



Leichner Landfill
Dissolved Manganese, LB-27I
1987 - 2011



Leichner Landfill
Dissolved Manganese, LB-27D
1987 - 2011



APPENDIX E

2011 Landfill Gas Monitoring Probe Data

Compliance Landfill Gas Monitoring Probe Data
January 2011
Leichner Brothers Landfill

Probe	Date / Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Rel Press (H2O inch)
LBLFGP02	1/7/2011 8:39	0	3.7	18	78.3	0
LBLFGP03	1/7/2011 8:35	0	2.8	17.4	79.8	0
LBLFGP05	1/7/2011 8:24	0	3.9	15.2	80.9	0
LBLFGP06	1/7/2011 8:56	0.1	4.6	14.1	81.2	0
LBLFGP07	1/7/2011 8:51	2.2	8.1	0.1	89.6	0
LBLFGP08	1/7/2011 9:06	12.4	11.6	0	76	-0.07
LBLFGP08 (recheck)	1/31/2011 13:50	0	5.1	15.7	79.2	0
LBLFGP11	1/7/2011 9:22	0.1	1.5	18.9	79.5	-0.08
LBLFGP12	1/7/2011 9:25	0.1	0.9	20.6	78.4	-0.08
LBLFGP13	1/7/2011 9:28	0	1.3	18.3	80.4	-0.09
LBLFGP14	1/7/2011 9:33	0	0.9	20.3	78.8	-0.09
LBLFGP15	1/7/2011 9:36	0	1.5	20.1	78.4	-0.09
LBLFGP1A	1/7/2011 8:43	0	2.2	19.7	78.1	-0.01
LBLFGP1B	1/7/2011 8:44	0	2.3	19.4	78.3	-0.02
LBLFGP20	1/7/2011 10:18	0	6.9	10.2	82.9	0.02
LBLFGP22	1/7/2011 10:33	0	0.8	20.4	78.8	0.03
LBLFGP23	1/7/2011 10:36	0	1.5	19.9	78.6	0.04
LBLFGP26	1/7/2011 10:59	0	0.6	20.8	78.6	0.03
LBLFGP27	1/7/2011 11:02	0	1	20.5	78.5	0.03
LBLFGP28	1/7/2011 7:55	0.1	4.8	14.9	80.2	-0.01
LBLFGP29	1/7/2011 8:19	0	6	8	86	0
LBLFGP31	1/7/2011 10:04	0	2.1	19.2	78.7	0
LBLFGP32	1/7/2011 10:12	0	2.5	18.3	79.2	0.01
LBLFGP33	1/7/2011 10:15	0	2.2	18.8	79	0.02
LBLFGP34	1/7/2011 10:21	0	3.3	17.1	79.6	0.02
LBLFGP35	1/7/2011 10:25	0	2.2	18.5	79.3	0.03
LBLFGP36	1/7/2011 10:43	0	1.7	19.4	78.9	0.04
LBLFGP37	1/7/2011 10:47	0	2.6	18.5	78.9	0.03
LBLFGP38	1/7/2011 10:55	0	1.4	20.3	78.3	0.02
LBLFGP4A	1/7/2011 8:29	0.1	2.8	15	82.1	-0.02
LBLFGP4B	1/7/2011 8:31	0	3.3	12.6	84.1	-0.02
LBLFGP9A	1/7/2011 9:14	3.4	9.9	0	86.7	-0.1
LBLFGP9B	1/7/2011 9:15	0.7	10	5.4	83.9	-0.11
LBLGP10A	1/7/2011 9:17	0.1	7.2	11.5	81.2	-0.11
LBLGP10B	1/7/2011 9:19	0.1	2.5	17.5	79.9	-0.1
LBLGP16D	1/7/2011 9:43	0.1	2.7	18.9	78.3	-0.11
LBLGP16S	1/7/2011 9:46	0	1.9	20	78.1	0
LBLGP17D	1/7/2011 9:49	0	2.6	18.4	79	0.13
LBLGP17S	1/7/2011 9:51	0	4	17.5	78.5	0
LBLGP18D	1/7/2011 9:59	0	4	17.1	78.9	0
LBLGP18S	1/7/2011 10:01	0	2.2	19.5	78.3	0
LBLGP19D	1/7/2011 10:07	0	3.4	17.9	78.7	0
LBLGP19S	1/7/2011 10:09	0	2.2	19.2	78.6	0
LBLGP21A	1/7/2011 10:27	0	1.1	20.5	78.4	0.02
LBLGP21B	1/7/2011 10:29	0	1.1	20.3	78.6	0.02
LBLGP24A	1/7/2011 10:39	0	1.3	20.2	78.5	0.03
LBLGP24B	1/7/2011 10:41	0	1.2	20.1	78.7	0.03
LBLGP25A	1/7/2011 10:50	0	2.6	18.7	78.7	0.03
LBLGP25B	1/7/2011 10:52	0	3.7	17.8	78.5	0.02
LBLGP30A	1/7/2011 8:07	0.1	5.2	14.8	79.9	-1.76
LBLGP30B	1/7/2011 8:10	0	4.5	16.2	79.3	-1.76

Compliance Landfill Gas Monitoring Probe Data
February 2011
Leichner Brothers Landfill

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Rel Press (H2O inch)
LBLFGP02	2/7/2011 12:03	0	3.3	18.5	78.2	0
LBLFGP03	2/7/2011 11:59	0	2.9	17.2	79.9	0
LBLFGP05	2/7/2011 11:42	0.1	3.6	16.2	80.1	0.02
LBLFGP06	2/7/2011 11:48	0.1	4.5	15.3	80.1	0.04
LBLFGP07	2/7/2011 11:45	0	7.7	7.1	85.2	0
LBLFGP08	2/7/2011 10:31	1.5	10.7	5.6	82.2	0
LBLFGP11	2/7/2011 10:46	0.1	1.1	20.5	78.3	0.01
LBLFGP12	2/7/2011 10:50	0.1	0.7	20.8	78.4	0.01
LBLFGP13	2/7/2011 10:55	0.1	1.2	20.1	78.6	0
LBLFGP14	2/7/2011 10:59	0.1	0.8	20.8	78.3	0
LBLFGP15	2/7/2011 11:03	0.1	1.7	20.6	77.6	0
LBLFGP1A	2/7/2011 12:07	0	2.3	19.6	78.1	0.01
LBLFGP1B	2/7/2011 12:08	0	2.1	19.5	78.4	0.01
LBLFGP20	2/7/2011 12:48	0	6.4	8.5	85.1	0.1
LBLFGP22	2/7/2011 13:02	0	0.9	20.8	78.3	0
LBLFGP23	2/7/2011 13:05	0	1.5	20.8	77.7	0
LBLFGP26	2/7/2011 12:21	0	0.6	20.7	78.7	0.04
LBLFGP27	2/7/2011 12:25	0	0.6	20.8	78.6	0.05
LBLFGP28	2/7/2011 10:24	0.3	5.9	15.2	78.6	0
LBLFGP29	2/7/2011 11:38	0	5.7	7.7	86.6	0.01
LBLFGP31	2/7/2011 12:35	0	1.7	20	78.3	0.07
LBLFGP32	2/7/2011 12:42	0	2	19	79	0.06
LBLFGP33	2/7/2011 12:45	0	1.9	19.2	78.9	0.06
LBLFGP34	2/7/2011 12:51	0	3	16.2	80.8	0.01
LBLFGP35	2/7/2011 12:54	0	2	18.2	79.8	0.02
LBLFGP36	2/7/2011 13:13	0	1.6	20.1	78.3	0
LBLFGP37	2/7/2011 13:16	0	2.5	19.3	78.2	-0.01
LBLFGP38	2/7/2011 12:17	0	0.9	20.6	78.5	0.03
LBLFGP4A	2/7/2011 11:54	0	2.7	16.4	80.9	-0.6
LBLFGP4B	2/7/2011 11:56	0	2.9	13.2	83.9	-0.44
LBLFGP9A	2/7/2011 10:35	0.1	5.8	12.9	81.2	0
LBLFGP9B	2/7/2011 10:38	0.1	12	0	87.9	0
LBLGP10A	2/7/2011 10:41	0.1	7	12.7	80.2	0
LBLGP10B	2/7/2011 10:42	0.1	2.8	18.3	78.8	0.02
LBLGP16D	2/7/2011 11:12	0.1	2.9	19.3	77.7	-0.01
LBLGP16S	2/7/2011 11:14	0.1	1.6	20.7	77.6	0.02
LBLGP17D	2/7/2011 11:18	0.1	1.9	20.2	77.8	-0.12
LBLGP17S	2/7/2011 11:20	0.1	3.6	18.4	77.9	0
LBLGP18D	2/7/2011 12:31	0	3.2	18.3	78.5	0.03
LBLGP18S	2/7/2011 12:33	0	2	19.8	78.2	0.04
LBLGP19D	2/7/2011 12:38	0	3.1	18.7	78.2	0.05
LBLGP19S	2/7/2011 12:40	0	2	20.1	77.9	0.06
LBLGP21A	2/7/2011 12:56	0	1.2	20.9	77.9	0
LBLGP21B	2/7/2011 12:58	0	0.9	20.6	78.5	0
LBLGP24A	2/7/2011 13:08	0	0.5	20.8	78.7	-0.02
LBLGP24B	2/7/2011 13:10	0	0.5	20.8	78.7	-0.01
LBLGP25A	2/7/2011 13:19	0	2.3	19.7	78	0.11
LBLGP25B	2/7/2011 13:20	0	3.2	18.5	78.3	-0.04
LBLGP30A	2/7/2011 11:32	0	4	15.9	80.1	-0.02
LBLGP30B	2/7/2011 11:33	0	4.5	15.9	79.6	-0.52

Compliance Landfill Gas Monitoring Probe Data
March 2011
Leichner Brothers Landfill

Name	Date Time	Methane (% by vol)	Carbon Dioxide (% by vol)	O2 (% by vol)	Balance (% by vol)	Rel Press (H2O inch)
LBLFGP02	3/1/2011 10:50	0	2.8	18.7	78.5	0.2
LBLFGP03	3/1/2011 10:59	0	2.3	18.1	79.6	0.04
LBLFGP05	3/1/2011 10:39	0	4.4	15.3	80.3	-0.05
LBLFGP06	3/1/2011 11:08	0	3.9	14.7	81.4	0.36
LBLFGP07	3/1/2011 11:06	0	4.2	8.1	87.7	-0.16
LBLFGP08	3/1/2011 13:05	13.1	11.8	0.1	75	-0.19
LBLFGP08 (recheck)	3/30/2011 12:40	0	2.5	19.4	78.1	-0.12
LBLFGP11	3/1/2011 12:56	0	0.6	21.5	77.9	0.16
LBLFGP12	3/1/2011 12:54	0	0.7	22.2	77.1	0.12
LBLFGP13	3/1/2011 12:51	0	1.2	21.5	77.3	0.22
LBLFGP14	3/1/2011 12:42	0	1.6	21.2	77.2	0.05
LBLFGP15	3/1/2011 12:47	0	1.4	21.3	77.3	0.17
LBLFGP1A	3/1/2011 10:55	0	2.2	20.2	77.6	-0.06
LBLFGP1B	3/1/2011 10:54	0	2.8	20.1	77.1	0.03
LBLFGP20	3/1/2011 12:03	0	6.6	9.4	84	-0.08
LBLFGP22	3/1/2011 11:52	0	1.3	21.5	77.2	0.16
LBLFGP23	3/1/2011 11:49	0	1.4	21.1	77.5	0.16
LBLFGP26	3/1/2011 10:13	0	1.1	21.2	77.7	0.04
LBLFGP27	3/1/2011 10:10	0	3.3	20.1	76.6	-15.7
LBLFGP28	3/1/2011 11:30	0	4.1	15.5	80.4	-0.15
LBLFGP29	3/1/2011 10:33	0	4.2	10.6	85.2	0.3
LBLFGP31	3/1/2011 12:19	0	1.6	21	77.4	0.06
LBLFGP32	3/1/2011 12:08	0	2.3	20	77.7	0.01
LBLFGP33	3/1/2011 12:05	0	3.5	19.5	77	0.07
LBLFGP34	3/1/2011 12:00	0	2.3	17.8	79.9	0.08
LBLFGP35	3/1/2011 11:58	0	1.2	19.7	79.1	0.16
LBLFGP36	3/1/2011 11:43	0	2.1	20.2	77.7	0.01
LBLFGP37	3/1/2011 11:41	0	2.8	19.5	77.7	0.03
LBLFGP38	3/1/2011 10:16	0	0.7	21.1	78.2	0.1
LBLFGP4A	3/1/2011 10:43	0	2.9	13.2	83.9	-0.39
LBLFGP4B	3/1/2011 10:42	0	3.6	15.4	81	-0.19
LBLFGP9A	3/1/2011 13:03	0	6.5	4.5	89	-0.09
LBLFGP9B	3/1/2011 13:01	0	8.2	7.5	84.3	0.15
LBLGP10A	3/1/2011 13:00	0	5.4	14.7	79.9	-0.04
LBLGP10B	3/1/2011 12:58	0	1.6	19	79.4	0.01
LBLGP16D	3/1/2011 12:32	0	2.4	20	77.6	0.28
LBLGP16S	3/1/2011 12:30	0	1.4	21.6	77	0.1
LBLGP17D	3/1/2011 12:27	0	2.4	21.2	76.4	0.15
LBLGP17S	3/1/2011 12:26	0	3.1	19	77.9	0.04
LBLGP18D	3/1/2011 12:21	0	2.2	19.9	77.9	0.15
LBLGP18S	3/1/2011 12:23	0	1.6	21.2	77.2	0.06
LBLGP19D	3/1/2011 12:12	0	2.8	19.7	77.5	0.04
LBLGP19S	3/1/2011 12:14	0	1.8	20.8	77.4	-0.01
LBLGP21A	3/1/2011 11:56	0	0.8	22.1	77.1	0.3
LBLGP21B	3/1/2011 11:54	0	1.1	21.4	77.5	0.21
LBLGP24A	3/1/2011 11:47	0	1.3	21.3	77.4	0.11
LBLGP24B	3/1/2011 11:45	0	1.4	21	77.6	0.13
LBLGP25A	3/1/2011 11:38	0	3	19.4	77.6	-0.17
LBLGP25B	3/1/2011 11:37	0	3.8	18.4	77.8	-0.16
LBLGP30A	3/1/2011 10:29	0	3.2	16.6	80.2	-0.08
LBLGP30B	3/1/2011 10:28	0	1.3	17.5	81.2	-0.04

Compliance Landfill Gas Monitoring Probe Data
April 2011
Leichner Brothers Landfill

Probe	Date / Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance (% by vol)	Relative Pressure (H_2O inch)
LBLFGP02	4/12/2011 10:51	0	2.9	18.8	78.3	-0.26
LBLFGP03	4/12/2011 10:48	0	2.7	17.1	80.2	0
LBLFGP05	4/12/2011 10:39	0	3.7	16.7	79.6	0.02
LBLFGP06	4/12/2011 11:03	0	3.8	15.8	80.4	0.03
LBLFGP07	4/12/2011 11:07	0	5.1	9.4	85.5	0.02
LBLFGP08	4/12/2011 11:34	0	8.9	3	88.1	0
LBLFGP11	4/12/2011 11:17	0	1.4	20.1	78.5	0.01
LBLFGP12	4/12/2011 11:15	0	0.9	20.6	78.5	0
LBLFGP13	4/12/2011 11:11	0	1.9	19.9	78.2	0
LBLFGP14	4/12/2011 11:44	0	2.2	20	77.8	0.02
LBLFGP15	4/12/2011 11:46	0	1.5	20.1	78.4	0.03
LBLFGP1A	4/12/2011 10:55	0	2.4	19.5	78.1	0.01
LBLFGP1B	4/12/2011 10:54	0	2.7	19.2	78.1	0.13
LBLFGP20	4/12/2011 12:29	0	5.9	9.1	85	0.02
LBLFGP22	4/12/2011 12:40	0	0.8	20.7	78.5	0.02
LBLFGP23	4/12/2011 12:43	0	1.3	20.3	78.4	0.04
LBLFGP26	4/12/2011 13:03	0	0.5	20.6	78.9	0
LBLFGP27	4/12/2011 13:06	0	0.5	20.5	79	0
LBLFGP28	4/12/2011 10:24	0.2	5.3	13.4	81.1	0.01
LBLFGP29	4/12/2011 10:35	0.1	4.8	9.3	85.8	0.03
LBLFGP31	4/12/2011 12:18	0	1.7	20.2	78.1	0.16
LBLFGP32	4/12/2011 12:24	0	2	19.4	78.6	0
LBLFGP33	4/12/2011 12:26	0	1.7	20.1	78.2	0.02
LBLFGP34	4/12/2011 12:31	0	2.9	16.3	80.8	0.03
LBLFGP35	4/12/2011 12:33	0	2	17.9	80.1	0
LBLFGP36	4/12/2011 12:51	0	1.5	20	78.5	0.04
LBLFGP37	4/12/2011 12:53	0	2.2	19	78.8	0.04
LBLFGP38	4/12/2011 12:59	0	1.3	20.2	78.5	0.05
LBLFGP4A	4/12/2011 10:44	0	2.8	16.3	80.9	-1.2
LBLFGP4B	4/12/2011 10:43	0	3.1	11.8	85.1	-1.11
LBLFGP9A	4/12/2011 11:30	0	2.6	17.2	80.2	0.06
LBLFGP9B	4/12/2011 11:28	0	11.2	1.6	87.2	0.04
LBLGP10A	4/12/2011 11:21	0	4.8	14.7	80.5	0.03
LBLGP10B	4/12/2011 11:20	0	1.5	18.6	79.9	0.02
LBLGP16D	4/12/2011 11:56	0	2.8	18.6	78.6	0.02
LBLGP16S	4/12/2011 11:58	0	1.6	19.9	78.5	0.03
LBLGP17D	4/12/2011 12:02	0	1.9	20.6	77.5	0.51
LBLGP17S	4/12/2011 12:01	0	3	17.6	79.4	0.02
LBLGP18D	4/12/2011 12:16	0	1.9	19.3	78.8	0
LBLGP18S	4/12/2011 12:15	0	1.4	20.1	78.5	0
LBLGP19D	4/12/2011 12:22	0	2.1	19.3	78.6	0
LBLGP19S	4/12/2011 12:21	0	1.3	20.5	78.2	0
LBLGP21A	4/12/2011 12:37	0	0.8	20.9	78.3	0.02
LBLGP21B	4/12/2011 12:36	0	1.1	20.5	78.4	0.02
LBLGP24A	4/12/2011 12:48	0	1.5	20.2	78.3	0.05
LBLGP24B	4/12/2011 12:47	0	1.6	19.8	78.6	0.04
LBLGP25A	4/12/2011 12:56	0	3.3	19.3	77.4	0.04
LBLGP25B	4/12/2011 12:56	0	3.1	18.2	78.7	0.04
LBLGP30A	4/12/2011 10:32	0.1	5.3	15.2	79.4	-1.3
LBLGP30B	4/12/2011 10:30	0.1	5	15.8	79.1	0.01

Compliance Landfill Gas Monitoring Probe Data
May 2011
Leichner Brothers Landfill

Probe	Date / Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance (% by vol)	Relative Pressure (H_2O inch)
LBLFGP02	5/12/2011 12:08	0	2.8	17.9	79.3	0.01
LBLFGP03	5/12/2011 12:17	0	2.9	16.6	80.5	0
LBLFGP05	5/12/2011 11:51	0	3.2	15.7	81.1	0
LBLFGP06	5/12/2011 12:28	0	4.1	15.2	80.7	0
LBLFGP07	5/12/2011 12:25	3.6	9.2	0.7	86.5	-0.01
LBLFGP08	5/12/2011 13:00	8.5	13.1	0.3	78.1	0
LBLFGP08 (recheck)	5/23/2011 10:41	10.1	13.2	1.7	75	0
LBLFGP08 (recheck)	5/25/2011 14:07	11.6	15.4	0.3	72.7	0
LBLFGP08 (recheck)	5/26/2011 10:51	11.2	15.5	0.8	72.5	0
LBLFGP08 (recheck)	5/26/2011 17:34	8.3	14	1.7	76	-6.51
LBLFGP08 (recheck)	5/27/2011 10:19	0.5	2.7	16	80.8	0
LBLFGP11	5/12/2011 12:51	0	1.4	17.4	81.2	0
LBLFGP12	5/12/2011 12:49	0	1	20	79	0
LBLFGP13	5/12/2011 12:43	0	1.7	18.2	80.1	-0.06
LBLFGP14	5/12/2011 11:40	0	1	20.8	78.2	-6.17
LBLFGP15	5/12/2011 11:43	0	1.1	20.1	78.8	0
LBLFGP1A	5/12/2011 12:12	0	2.2	18.7	79.1	0
LBLFGP1B	5/12/2011 12:11	0	2.3	18.7	79	0
LBLFGP20	5/12/2011 10:54	0	6.5	8.4	85.1	-0.01
LBLFGP22	5/12/2011 10:37	0	1.2	20.2	78.6	-0.03
LBLFGP23	5/12/2011 10:32	0	1.2	19.6	79.2	-0.02
LBLFGP26	5/12/2011 10:04	0	0.7	19.2	80.1	0
LBLFGP27	5/12/2011 10:01	0	0.9	19	80.1	0
LBLFGP28	5/12/2011 12:39	0	4.4	11.6	84	-0.03
LBLFGP29	5/13/2011 10:42	0.1	4.8	7.2	87.9	0
LBLFGP31	5/12/2011 11:06	0	1.3	19.8	78.9	0
LBLFGP32	5/12/2011 10:59	0	1.8	19.1	79.1	-0.01
LBLFGP33	5/12/2011 10:56	0	1.9	19.4	78.7	0
LBLFGP34	5/12/2011 10:51	0	2.4	16.3	81.3	0
LBLFGP35	5/12/2011 10:48	0	1.6	17.3	81.1	0
LBLFGP36	5/12/2011 10:26	0	1.9	18.6	79.5	-0.01
LBLFGP37	5/12/2011 10:23	0	2.7	17.7	79.6	0
LBLFGP38	5/12/2011 10:09	0	0.8	17.5	81.7	-0.01
LBLFGP4A	5/12/2011 11:55	0	2.4	15.7	81.9	-0.48
LBLFGP4B	5/12/2011 11:53	0	2.9	15.2	81.9	0
LBLFGP9A	5/12/2011 12:57	2.2	6.8	1.1	89.9	-0.01
LBLFGP9B	5/12/2011 12:56	0	5.7	9.8	84.5	-0.01
LBLGP10A	5/12/2011 12:55	0	4.7	14.2	81.1	0
LBLGP10B	5/12/2011 12:53	0	2.1	17.1	80.8	0
LBLGP16D	5/12/2011 11:29	0	3.1	17.7	79.2	-0.02
LBLGP16S	5/12/2011 11:27	0	1.3	19.2	79.5	-0.02
LBLGP17D	5/12/2011 11:24	0	1.2	20.4	78.4	0.01
LBLGP17S	5/12/2011 11:23	0	3.7	16.9	79.4	0
LBLGP18D	5/12/2011 11:08	0	2.2	18.5	79.3	0
LBLGP18S	5/12/2011 11:10	0	1.5	19.4	79.1	0
LBLGP19D	5/12/2011 11:01	0	2.3	19.3	78.4	-0.01
LBLGP19S	5/12/2011 11:03	0	1.3	20	78.7	-0.23
LBLGP21A	5/12/2011 10:42	0	0.9	20.4	78.7	0
LBLGP21B	5/12/2011 10:40	0	1.1	20.1	78.8	-0.03
LBLGP24A	5/12/2011 10:30	0	0.7	20.3	79	-0.01
LBLGP24B	5/12/2011 10:28	0	0.9	20.2	78.9	-0.02
LBLGP25A	5/12/2011 10:20	0	2.8	17.6	79.6	0

Compliance Landfill Gas Monitoring Probe Data
May 2011
Leichner Brothers Landfill

Probe	Date / Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance (% by vol)	Relative Pressure (H_2O inch)
LBLGP25B	5/12/2011 10:19	0	3.3	16.7	80	0
LBLGP30A	5/12/2011 9:47	0	5.6	14.6	79.8	0
LBLGP30B	5/12/2011 9:45	0	5	15.1	79.9	-0.01

Compliance Landfill Gas Monitoring Probe Data
June 2011
Leichner Brothers Landfill

Probe	Date / Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance (% by vol)	Relative Pressure (H_2O inch)
LBLFGP02	6/27/2011 13:39	0	3.8	15.6	80.6	0
LBLFGP03	6/27/2011 13:36	0	3.5	15.2	81.3	0.01
LBLFGP05	6/27/2011 13:30	0	3.7	15.2	81.1	-7.63
LBLFGP06	6/27/2011 13:55	0	4.5	13.6	81.9	0.02
LBLFGP07	6/27/2011 13:52	3.3	12.6	0.1	84	-16.54
LBLFGP08	6/27/2011 16:15	6.4	15.7	0.1	77.8	0.01
LBLFGP08 (recheck)	6/28/2011 13:38	0	0.2	21	78.8	0
LBLFGP11	6/27/2011 16:05	0	1.9	16.4	81.7	0
LBLFGP12	6/27/2011 16:03	0	0.9	19.6	79.5	0
LBLFGP13	6/27/2011 16:00	0	1.5	18.3	80.2	0
LBLFGP14	6/27/2011 15:57	0	0.6	20.1	79.3	0
LBLFGP15	6/27/2011 15:54	0	1.5	18.7	79.8	0
LBLFGP1A	6/27/2011 13:44	0	2.7	17.1	80.2	0
LBLFGP1B	6/27/2011 13:42	0	2.3	17	80.7	0
LBLFGP20	6/27/2011 15:08	0	6.6	9.6	83.8	0
LBLFGP22	6/27/2011 14:55	0	1	19.7	79.3	0
LBLFGP23	6/27/2011 14:53	0	1.6	19.2	79.2	0.01
LBLFGP26	6/27/2011 14:10	0	0.6	19.3	80.1	0
LBLFGP27	6/27/2011 14:07	0	0.9	18.7	80.4	0.01
LBLFGP28	6/27/2011 14:04	0	4.8	11.9	83.3	0
LBLFGP29	6/27/2011 13:58	0	5	7.4	87.6	0.03
LBLFGP31	6/27/2011 15:27	0	1.5	19	79.5	0
LBLFGP32	6/27/2011 15:21	0.1	1.5	18.6	79.8	0.02
LBLFGP33	6/27/2011 15:19	0.1	0.9	20	79	-0.01
LBLFGP34	6/27/2011 15:06	0	2.4	16.5	81.1	0
LBLFGP35	6/27/2011 15:03	0	1.9	16.7	81.4	0
LBLFGP36	6/27/2011 14:45	0	1.6	18.5	79.9	0
LBLFGP37	6/27/2011 14:43	0	2.4	17.8	79.8	0.01
LBLFGP38	6/27/2011 14:12	0	0.8	18.6	80.6	0
LBLFGP4A	6/27/2011 13:33	0	2.7	14.6	82.7	0
LBLFGP4B	6/27/2011 13:32	0	2.7	14.3	83	0.02
LBLFGP9A	6/27/2011 16:12	0	10	6.8	83.2	-0.01
LBLFGP9B	6/27/2011 16:11	0	5.6	8.8	85.6	-0.01
LBLGP10A	6/27/2011 16:09	0	4.1	13.2	82.7	-0.01
LBLGP10B	6/27/2011 16:08	0	2.4	17.4	80.2	0
LBLGP16D	6/27/2011 15:44	0	4.2	15.5	80.3	-0.01
LBLGP16S	6/27/2011 15:46	0	2.5	18.3	79.2	0
LBLGP17D	6/27/2011 15:40	0	1.1	20.2	78.7	0.87
LBLGP17S	6/27/2011 15:39	0	4.3	17.3	78.4	0
LBLGP18D	6/27/2011 15:34	0	2.8	16.8	80.4	0
LBLGP18S	6/27/2011 15:35	0	1.8	18.6	79.6	0
LBLGP19D	6/27/2011 15:25	0	2	18.3	79.7	0
LBLGP19S	6/27/2011 15:24	0	0.9	19.4	79.7	0
LBLGP21A	6/27/2011 15:00	0	0.9	19.7	79.4	0
LBLGP21B	6/27/2011 14:58	0	1	19.5	79.5	0
LBLGP24A	6/27/2011 14:50	0	1.7	19.2	79.1	0.01
LBLGP24B	6/27/2011 14:48	0	1.8	18.9	79.3	0.01
LBLGP25A	6/27/2011 14:40	0	3	17.4	79.6	0
LBLGP25B	6/27/2011 14:38	0	3	16.7	80.3	0
LBLGP30A	6/27/2011 13:26	0.2	6.7	13.1	80	0
LBLGP30B	6/27/2011 13:27	0.1	6.3	13.2	80.4	-10.78

Compliance Landfill Gas Monitoring Probe Data
July 2011
Leichner Brothers Landfill

Probe	Date / Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance (% by vol)	Relative Pressure (H_2O inch)
LBLFGP-02	7/25/2011 15:52	0	3.9	17.2	78.9	0
LBLFGP-03	7/25/2011 15:49	0	3.6	16.5	79.9	-0.02
LBLFGP-05	7/25/2011 15:43	0	3.7	16.2	80.1	0
LBLFGP-06	7/25/2011 16:05	0	4.1	15.5	80.4	-15.01
LBLFGP-07	7/25/2011 16:02	4.7	14.8	0.2	80.3	0.02
LBLFGP-08	7/25/2011 18:48	0	9.4	9.4	81.2	0
LBLFGP-11	7/25/2011 18:25	0	2	17.5	80.5	0.1
LBLFGP-12	7/25/2011 18:23	0	1	20.2	78.8	0.01
LBLFGP-13	7/25/2011 18:19	0	1.5	19	79.5	0.02
LBLFGP-14	7/25/2011 18:15	0	0.6	20.7	78.7	0.01
LBLFGP-15	7/25/2011 18:11	0	4.6	18.9	76.5	0
LBLFGP-1A	7/25/2011 15:57	0	2.3	18.9	78.8	0
LBLFGP-1B	7/25/2011 15:55	0	2.3	18.9	78.8	0
LBLFGP-20	7/25/2011 17:13	0	7	10.1	82.9	0
LBLFGP-22	7/25/2011 16:57	0	0.9	20.6	78.5	0.01
LBLFGP-23	7/25/2011 16:55	0	1	20.3	78.7	-0.01
LBLFGP-26	7/25/2011 16:31	0	0.7	20.4	78.9	0
LBLFGP-27	7/25/2011 16:28	0	1.1	19.9	79	0
LBLFGP-28	7/25/2011 16:19	0	5.1	13.7	81.2	0
LBLFGP-29	7/25/2011 16:13	0	5.2	8.2	86.6	0
LBLFGP-31	7/25/2011 17:27	0	1.6	19.7	78.7	0.03
LBLFGP-32	7/25/2011 17:20	0	1.8	18.9	79.3	0.01
LBLFGP-33	7/25/2011 17:18	0	1.7	18.6	79.7	0.02
LBLFGP-34	7/25/2011 17:11	0	2.5	16.7	80.8	0.02
LBLFGP-35	7/25/2011 17:07	0	2.1	17	80.9	0.02
LBLFGP-36	7/25/2011 16:48	0	1.6	19	79.4	0
LBLFGP-37	7/25/2011 16:46	0	2.2	18.4	79.4	0
LBLFGP-38	7/25/2011 16:35	0	0.9	19.9	79.2	0
LBLFGP-4A	7/25/2011 15:47	0	2.7	16.3	81	0
LBLFGP-4B	7/25/2011 15:46	0	2.6	16.5	80.9	-0.02
LBLFGP-9A	7/25/2011 18:40	0	7.7	9.4	82.9	0
LBLFGP-9B	7/25/2011 18:37	0	6.3	9.2	84.5	0
LBLGP-10A	7/25/2011 18:32	0	4	13.9	82.1	-0.23
LBLGP-10B	7/25/2011 18:30	0	2	18.8	79.2	0.01
LBLGP-16D	7/25/2011 17:42	0	5	16.1	78.9	0.02
LBLGP-16S	7/25/2011 17:39	0	1.4	19.2	79.4	0
LBLGP-17D	7/25/2011 17:36	0	0.9	20.7	78.4	0
LBLGP-17S	7/25/2011 17:35	0	3.2	18.5	78.3	0.31
LBLGP-18D	7/25/2011 17:30	0	3.3	17.2	79.5	0.02
LBLGP-18S	7/25/2011 17:32	0	1.9	19.1	79	0.02
LBLGP-19D	7/25/2011 17:23	0	2.3	18.4	79.3	0.02
LBLGP-19S	7/25/2011 17:24	0	1.3	19.8	78.9	0.03
LBLGP-21A	7/25/2011 17:05	0	0.9	20.3	78.8	0.01
LBLGP-21B	7/25/2011 17:04	0	1.2	19.9	78.9	0
LBLGP-24A	7/25/2011 16:52	0	0.4	20.9	78.7	0
LBLGP-24B	7/25/2011 16:50	0	0.6	20.9	78.5	-0.01
LBLGP-25A	7/25/2011 16:43	0	2.7	18.4	78.9	0
LBLGP-25B	7/25/2011 16:42	0	3.2	17.2	79.6	-0.02
LBLGP-30A	7/25/2011 15:24	0	6.5	13.8	79.7	-0.02
LBLGP-30B	7/25/2011 15:26	0	6.3	14	79.7	0

0

Compliance Landfill Gas Monitoring Probe Data
November 2011
Leichner Brothers Landfill

Probe	Date / Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance (% by vol)	Relative Pressure (H_2O inch)
LBLFGP-02	11/18/2011 11:10	0	2.9	20.1	77	0.01
LBLFGP-03	11/18/2011 11:04	0	2.4	18.6	79	0.03
LBLFGP-05	11/18/2011 10:57	0	3.1	17.4	79.5	0.03
LBLFGP-06	11/18/2011 11:33	0	6.3	14.8	78.9	0.01
LBLFGP-07	11/18/2011 11:29	0	7.8	3.7	88.5	0.02
LBLFGP-08	11/18/2011 14:27	0	4.2	14.1	81.7	-0.01
LBLFGP-11	11/18/2011 14:18	0	1.2	19.8	79	0
LBLFGP-12	11/18/2011 14:16	0	1.1	21.4	77.5	0
LBLFGP-13	11/18/2011 14:13	0	1.6	19.3	79.1	0
LBLFGP-14	11/18/2011 14:04	0	1.1	21.6	77.3	0
LBLFGP-15	11/18/2011 14:01	0	2.2	20.7	77.1	0
LBLFGP-1A	11/18/2011 11:14	0	1.7	21.3	77	0.02
LBLFGP-1B	11/18/2011 11:13	0	2.1	20.6	77.3	0.02
LBLFGP-20	11/18/2011 12:50	0	6.8	10.9	82.3	0
LBLFGP-22	11/18/2011 12:39	0	0.8	21.8	77.4	-0.05
LBLFGP-23	11/18/2011 12:36	0	0.9	21.5	77.6	-0.06
LBLFGP-26	11/21/2011 10:11	0	2	20	78	-0.05
LBLFGP-27	11/18/2011 10:36	0.2	2.5	19.6	77.7	0
LBLFGP-28	11/18/2011 11:41	0	4.9	15.1	80	-0.23
LBLFGP-29	11/18/2011 11:36	0	5.5	11.1	83.4	0
LBLFGP-31	11/18/2011 13:10	0	2.3	20.4	77.3	0
LBLFGP-32	11/18/2011 13:05	0	3	19.7	77.3	0
LBLFGP-33	11/18/2011 12:53	0	3.5	18.5	78	0
LBLFGP-34	11/18/2011 12:48	0	2.7	17.7	79.6	0
LBLFGP-35	11/18/2011 12:46	0	2.2	19.1	78.7	0.29
LBLFGP-36	11/18/2011 12:26	0	2.3	19.2	78.5	-0.01
LBLFGP-37	11/18/2011 12:23	0	1.9	19.1	79	-0.01
LBLFGP-38	11/18/2011 10:41	0	0.9	19.8	79.3	-0.03
LBLFGP-4A	11/18/2011 11:01	0	2.4	18.6	79	-0.07
LBLFGP-4B	11/18/2011 11:00	0	3.1	17.1	79.8	-0.04
LBLFGP-9A	11/18/2011 14:25	0	4.8	15.3	79.9	0
LBLFGP-9B	11/18/2011 14:23	0	10	3.8	86.2	-0.01
LBLGP-10A	11/18/2011 14:22	0	3.1	16.8	80.1	0
LBLGP-10B	11/18/2011 14:20	0	1.3	20.2	78.5	0
LBLGP-16D	11/18/2011 13:26	0	3.1	19.7	77.2	-0.02
LBLGP-16S	11/18/2011 13:24	0	1.9	21.1	77	-0.06
LBLGP-17D	11/18/2011 13:21	0	2.7	19.3	78	-0.01
LBLGP-17S	11/18/2011 13:20	0	2.7	19.6	77.7	-0.02
LBLGP-18D	11/18/2011 13:15	0	3.4	19.2	77.4	-0.01
LBLGP-18S	11/18/2011 13:14	0	1.8	20.5	77.7	0
LBLGP-19D	11/18/2011 13:08	0	3.1	18.8	78.1	0.32
LBLGP-19S	11/18/2011 13:07	0	2	19.8	78.2	0.07
LBLGP-21A	11/18/2011 12:43	0	0.7	22.2	77.1	-0.67
LBLGP-21B	11/18/2011 12:41	0	1.1	21.7	77.2	-0.47
LBLGP-24A	11/18/2011 12:30	0	0.6	21.8	77.6	0
LBLGP-24B	11/18/2011 12:29	0	1.6	21.7	76.7	0
LBLGP-25A	11/18/2011 12:20	0	1.9	20.7	77.4	0
LBLGP-25B	11/18/2011 12:19	0	4.2	17.7	78.1	0
LBLGP-30A	11/18/2011 10:54	0	1.6	17.5	80.9	0.03
LBLGP-30B	11/18/2011 10:49	0	1.8	20.6	77.6	-1.67

0