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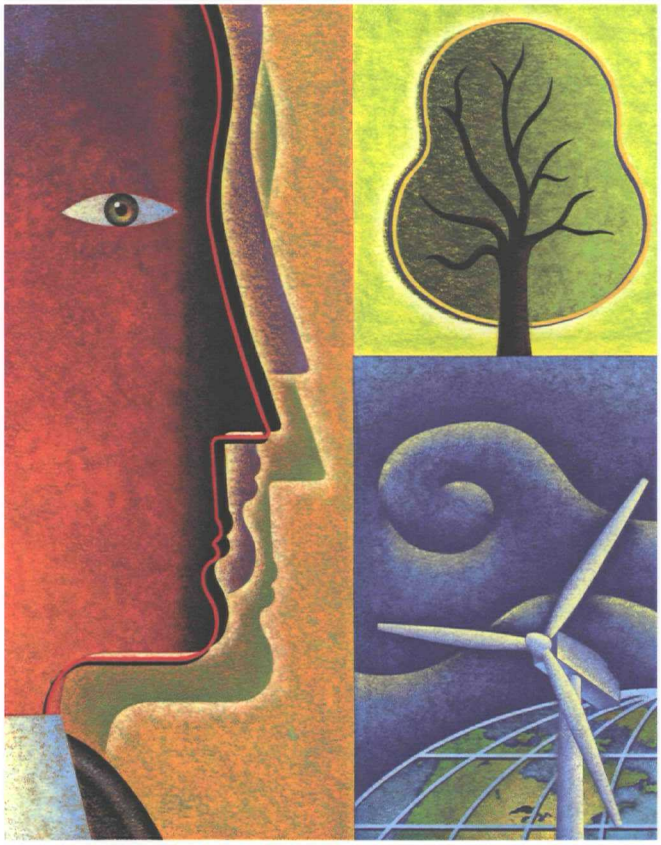
Monitored Natural Attenuation Status Report No. 3

August 2007 – January 2008 Reporting Period

Lemberger Landfill and Lemberger Transport and Recycling Site
Town of Franklin, Wisconsin

August 2008



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Executive Summary

In April 2006, the Lemberger Site Remediation Group (LSRG) obtained approval from the United States Environmental Protection Agency (USEPA) to begin a monitored natural attenuation (MNA) demonstration project at the Lemberger Landfill, Inc. (LL), and the Lemberger Transport & Recycling, Inc. (LTR), Superfund Sites. The intent of the project is to evaluate the effectiveness of MNA as an appropriate long-term remedial alternative for groundwater contamination at the sites.

Eight quarterly groundwater sampling events are planned, as part of the 2-year demonstration project. To date, six quarterly rounds of groundwater samples have been collected from the sites' wells for analysis of MNA parameters and volatile organic compounds (VOCs). The fifth and sixth quarterly sampling events were performed during this reporting period, in October/November 2007 and in December 2007/January 2008. Samples of groundwater were also collected from 23 residential water supply wells near the LL and LTR, in September 2007 and December 2007, for analysis of VOCs.

To accommodate the MNA demonstration project, the groundwater pump-and-treat system was shut down on August 1, 2006. Changes in groundwater elevations and flow directions in the perched and lower groundwater system (LGS) have not occurred following shutdown; the post-shutdown orientation of the plume of dissolved chlorinated volatile organic compounds (CVOCs) has not changed; VOCs have not been detected in residential water supply wells following shutdown; and CVOCs have not been detected at the sites' sentinel wells at concentrations greater than the background limits (Upper Confidence Limits).

The MNA analytical results show that reductive dechlorination of 1,1,1-trichloroethane (1,1,1-TCA) and trichloroethene (TCE) is occurring in groundwater. Microbial degradation of CVOCs in groundwater, beneath the LTR and within the core of the plume is evident in the lower concentrations of dissolved oxygen and the higher concentrations of carbon dioxide and alkalinity compared to background concentrations. The depletion of nitrate in groundwater at near-field LTR wells RM-7D and RM-7XD, and downgradient of the LTR at well RM-214D, and the reduction of manganese in groundwater at RM-7D and RM-214D, as well as downgradient of the LTR at far-field well RM-213D and at sentinel wells RM-212I, RM-212D, and RM-2D, further support that reductive dechlorination of CVOCs is taking place.

The concentrations of 1,1,1-TCA and TCE in groundwater continue to decrease during the MNA demonstration project, consistent with the historical decreasing concentration trends that were

observed during, and prior to, operation of the pump-and-treat system. The primary breakdown products 1,1-dichloroethane (1,1-DCA) and cis-1,2-dicholorethane (cis-1,2-DCE) are present in groundwater at near-field, far-field and sentinel wells; and the concentration of cis-1,2-DCE in the groundwater plume is greater than the concentration of its parent compound TCE. Increasing trends in the concentrations of breakdown products are evident at near-field wells RM-209D (1,1-DCA) and RM-7D (cis-1,2-DCE), and further downgradient of the LTR at RM-214D (1,1-DCA); and vinyl chloride is present at RM-214D.

As was noted in MNA Status Report No. 2, the reported concentrations of 1,1,1-TCA at near-field well RM-7D and at sentinel wells RM-211D and RM-203D bear watching during the demonstration project, as does the overall increasing trend in CVOC detections at RM-7XD. 1,1,1-TCA has been detected at RM-7D, RM-211D, and RM-203D at concentrations slightly higher during the demonstration project as compared to the baseline (July 2006) results. But, because the detected concentrations of 1,1,1-TCA at the sentinel wells are below the Preventive Action Limit (PAL) for 1,1,1-TCA (40 μg/L), are below each well's respective Upper Confidence Limit (UCL), are within the historical range of seasonal variations, and remain part of an overall decreasing concentration trend, there is no evidence to support that the slight short-term increases in the detected concentrations of 1,1,1-TCA at these wells are related to the shutdown of the pump-and-treat system. The detections of 1,1,1-TCA at RM-7D and the overall increasing trends in CVOCs that are occurring at near-field well RM-7XD are proposed to be further investigated with the installation of two additional deep wells, following approval of the Revised Supplemental Workplan for Deep Well Installation (RMT, 2007).

Overall, the results of the MNA demonstration project indicate positive results. The MNA parameter results and the trends in CVOC concentrations indicate that reductive dechlorination of CVOCs is taking place in groundwater at the site. As a result, we recommend continuing with the proposed schedule of MNA sampling according to the Workplan. The final report for the MNA demonstration project will be submitted following completion of the seventh (March 2008) and eighth (June 2008) quarterly MNA sampling rounds.

Section 1
Introduction

RMT, Inc. (RMT), on behalf of the Lemberger Site Remediation Group (LSRG), is submitting this Monitored Natural Attenuation Status Report No. 3. This Report is the third of three interim progress reports that will be submitted semiannually during the 24-month monitored natural attenuation (MNA) demonstration project, in accordance with the April 2006 revised Workplan for the MNA Engineering Demonstration Project (MNA Workplan) (RMT, 2006c). Attached to this Status Report are various summaries of the groundwater elevation and analytical data for the baseline (July 2006) and six quarterly (September 2006, December 2006, April 2007, July/August 2007, October/November 2007, and December 2007/January 2008) MNA sampling events.

The primary goal of this Status Report is to identify and evaluate the spatial distribution of important MNA parameters in groundwater, in order to assess the ongoing processes of natural attenuation at the sites. A final assessment of the efficacy of MNA as a remedial alternative will be provided at the conclusion of the MNA demonstration project following completion of the eighth quarterly round of groundwater sampling in June 2008.

Section 2
Monitored Natural Attenuation (MNA) Sampling Schedule and Sampling Events This Period

The schedule of sampling, as proposed in the revised MNA Workplan, is presented, and any changes to this proposed schedule are noted, in the subsections that follow.

2.1 Schedule of Sampling According to the Workplan

The proposed schedule of groundwater sampling for the 24-month MNA demonstration project was developed to incorporate the currently approved groundwater monitoring program for the LL and LTR sites. Table 1 presents the groundwater sampling program for the MNA demonstration project, and Table 2 shows the currently approved groundwater monitoring program for the LL and LTR sites. Table 3 lists the well groupings relative to the sampling schedules; Table 4 the MNA parameters, analytical methods, and reporting limits; and Table 5 the types of sample containers, preservatives, and holding times for the MNA parameters. Figure 1 is an aerial photograph of the site and identifies the locations of all groundwater monitoring points used in this study.

2.2 Sampling Events This Period

Quarterly groundwater sampling was performed during this reporting period between October 23, 2007, and November 3, 2007 (fifth round), and between December 26, 2007, and January 18, 2008 (sixth round). Two previous rounds of MNA groundwater sampling were performed in April 2007 and July/August 2007, and baseline sampling was performed in July 2006. The quarterly sampling events are designed to capture any seasonal variations (i.e., fall, winter, spring, summer) that might occur in groundwater elevations and aquifer chemistry.

Samples of groundwater are collected using low–flow rate techniques as described in the Quality Assurance Project Plan (QAPP) Addendum (RMT, 2006a), and samples are field- and laboratory-analyzed in accordance with the Supplement to the Addendum to the QAPP (RMT, 2006b). Table 6 provides a summary of the volatile organic compounds (VOCs) detected in groundwater during the reporting period at concentrations greater than Chapter NR 140 Enforcement Standards, and Table 7 presents a summary of the groundwater elevations measured at the site since July 5, 2006. Appendix A contains hydrographs showing the historical water elevation data for wells in the sampling program. A tabular summary of water level measurements, which includes water level data for months not coincident with the quarterly sampling events, is contained in the routine O&M Progress Reports. Table B1,

contained in Appendix B, provides a tabular summary of all VOCs detected in groundwater and a summary of the field and laboratory results for each of the MNA parameters and dissolved metals. An evaluation of the data is provided in Section 3 of this Status Report.

2.3 Dissolved Oxygen Sampling

Beginning with the fourth quarterly sampling event in July/August 2007, dissolved oxygen (DO) probes and CHEMets® (self-filling reagent ampoules) were used to field-analyze the concentration of DO in groundwater. Geotech® P3 probes are used during the low-flow stabilization of each well to monitor DO and other stabilization criteria (pH, temperature, specific conductance, and oxidation reduction potential [ORP]), per the QAPP, but at the time of sampling, a CHEMets® ampoule is also used to measure the concentration of DO. The result of the CHEMets® ampoule method is compared with the DO probe reading, as a quality control check. During the current reporting period, the reported DO results for the ampoule method matched the probe readings as they did previously in the fourth and fifth sampling rounds.

The reported concentrations of DO in groundwater at the site ranged from at 8.60 mg/L at water table well RM-307D (January 2008) to 0.10 mg/L at water table well RM-204I (October 2007) and at shallow piezometer RM-3I (December 2007). Although the high end of the range of reported DO concentrations is above what is expected for groundwater, a comparison of the distribution of DO to the distribution of ORP, dissolved carbon dioxide (CO_2), alkalinity, and total inorganic carbon (TIC) suggests that a qualitative evaluation of the DO data can be supported. The highest concentrations of DO were generally reported at water table observation wells completed in bedrock, and lower (and possibly depleted) concentrations of DO are apparent beneath the LL and LTR and within the plume of CVOCs that extends north from the LTR.

Because the DO results appear to be anomalously high in some locations, the occurrence of air bubbles in the flow-through cell or air bubbles in the discharge tubing may be causing falsely elevated results. However, air bubbles were noted in tubing at a few wells during the last two sampling rounds, so that no correlation between the occurrence of bubbles and high DO results can be made at this time. Aside from the introduction of the groundwater samples to the atmosphere, other known interferences with the DO probes or ampoules are not likely to be present in groundwater at the sites. Further evaluation of DO will be reported in the final report, and both the DO probe and CHEMets® ampoule will be used during the last two quarterly MNA sampling events.

Section 3
Data Evaluation

A discussion of the groundwater elevation data and the MNA parameter and VOC analytical results for the reporting period, as well as a comparison of the data set to previous MNA sampling results, follows.

3.1 Well Designations

For purposes of this Status Report, wells are designated as either "background," "near-field," "far-field," and "sentinel," as shown in Table 8. These descriptive designations generally identify each well's hydraulic position relative to the LL and LTR, and relative to the position of the plume of dissolved CVOCs.

3.2 Groundwater Levels

No appreciable changes in groundwater elevations or flow patterns are evident at the site following the shutdown of the groundwater extraction system. In conformance with the revised MNA Workplan (RMT, 2006e), the short-term response of groundwater levels at extraction wells and nearby observation wells was monitored as each extraction well was taken off-line on August 1, 2006. The cessation of pumping resulted in the recovery of groundwater elevations in the immediate vicinity of the extraction wells to prepumping elevations; and the hydrographs (contained in Appendix A) and the groundwater flow direction maps (Figures 2 and Figure 3) indicate post-shutdown conditions consistent with historical data.

3.2.1 Perched Groundwater System

Groundwater in the upper granular unit (UGU) is not hydraulically connected to the lower groundwater system (LGS), from which groundwater was extracted prior to August 1, 2006. Figure 2 depicts the perched water table in the UGU as measured on December 18, 2007, and shows that perched groundwater flows primarily to the west, consistent with previous measurements and interpretations. The elevation of the perched water table during the reporting period was within the historical range of values, with the exception of the water elevation at well RM-207S, which was more than 2 feet lower (in December 2007) than the previous low water elevation at the well. The December 2007 water levels represent the seasonal "low water" condition. The seasonal "high water" elevations occur in spring. Hydrographs are contained in Appendix A.

3.2.2 Lower Groundwater System

The lower groundwater system (LGS) is made up of two units, the lower granular unit (LGU) and the Niagaran carbonate bedrock unit. To the north and west of the LL and LTR, the water table surface is in the LGU, which overlies the bedrock. To the south and east of the LL and LTR, where the bedrock elevation rises, pinching out the LGU, the water table is in the bedrock. The cessation of pumping of the extraction wells, which drew groundwater from the LGS, has not resulted in changes in the direction of groundwater flow or in the vertical components of groundwater flow in the LGS.

Figure 3 illustrates the potentiometric surface of the groundwater in the bedrock unit on December 18, 2007, and shows that groundwater flows toward the north, consistent with historical conditions. Groundwater elevations that were used for the interpretation of the potentiometric surface shown on Figure 3 were measured at water table observation wells completed in bedrock south and east of the LL and LTR sites and at bedrock piezometers overlain by the LGU north and west of the landfills.

The directions of groundwater flow in the LGU are similar to that in the bedrock, because the LGU is hydraulically connected to the bedrock aquifer. As shown on the hydrographs (see, for example, page 1 and page 7 in Appendix A), the elevation of the water table (regardless of whether the water table observation well is completed in the LGU or the bedrock) is nearly identical to the elevation of groundwater (the potentiometric surface) in piezometers completed in the upper bedrock.

Table 9 presents the calculated vertical hydraulic gradients for the sites' nested wells during low groundwater conditions on December 18, 2007. The vertical gradients observed between LGU wells and bedrock wells ranged from 0.094 ft/ft downward at nested wells RM-2I/RM-2D to 0.023 ft/ft upward at nested wells RM-210I/RM-210D. The vertical gradient between the shallow bedrock and the deep bedrock at RM-7D/RM-7XD was slightly downward (0.001). An upward vertical gradient was measured within the LGU, between nested far-field wells RM-3I and RM-3D (0.015). The directions of gradient at these wells are consistent with past results, with the exception of nested wells RM-201I/RM-201D (LGU/bedrock) where the vertical gradient was 0.001 ft/ft upward in December 2007 as compared to 0.002 ft/ft downward in July 2007.

3.3 Monitored Natural Attenuation (MNA) Parameters

In conformance with the revised MNA Workplan (RMT, 2006c), samples of groundwater were collected in October/November 2007 (fifth round) and in December 2007/January 2008 (sixth round) for field and laboratory analysis of the MNA parameters listed in Table 4 and according to the proposed sampling schedule shown in Table 1. Appendix B contains tabulated

summaries of the field- and laboratory-analyzed inorganic MNA parameters for the reporting period.

Many of the reported concentrations of MNA parameters for the reporting period are consistent with the previous quarterly results and present several lines of evidence that support the conclusion that the processes of reductive dechlorination are ongoing at the sites. A summary of the spatial distribution of MNA parameters follows:

- **DO** is relatively depleted (< 1.0 mg/L) in the source area groundwater (0.88 mg/L at near-field well RW-303D in October 2007), downgradient of the LTR (0.18 mg/L at RM-214D in December 2007), and within the core of the plume of CVOCs that extends north of the LTR, including at far-field bedrock well RM-204D (0.13 mg/L in October 2007) and sentinel bedrock well RM-210D (0.70 mg/L in January 2008). Decreasing concentration trends for DO are evident at near-field bedrock water table wells RM-209D and RM-306D, and the DO in near-field bedrock well RM-7D is reduced compared to the concentration of DO at nested deep bedrock well RM-7XD. DO is also depleted in perched water at the LL (at near-field wells RM-103S, RM-206S, RM-207S, RM-301S, and RM-302S).

  Although the high end of the range of reported DO concentrations is above what is expected for groundwater, a comparison of the distribution of DO to the distribution of oxidation reduction potential (ORP) and dissolved carbon dioxide (CO_2) suggests that a qualitative evaluation of the DO data can be supported. Where DO is apparently lower (and possibly depleted), the ORP is also lower (<250 mV) and dissolved carbon dioxide (CO_2) is higher. DO is consumed, CO_2 is generated, and lower ORP is expected in groundwater where microbial biodegradation of CVOCs is taking place.

- The concentration of dissolved **CO_2** in groundwater is elevated (>200 mg/L) beneath the LTR, downgradient of the LTR (at RM-7D and RM-7XD, and at far-field bedrock well RM-213D), and beneath the LL at RM-214D. Increasing trends in the concentration of CO_2 are evident at RM-213D.

  The reported concentrations of CO_2 at LGU water table well RM-204I (420 mg/L) and bedrock piezometer RM-204D (416 mg/L) were elevated during the fourth quarterly sampling round (April 2007), compared to historical results, suggesting that CO_2 was depleted in groundwater within the core of the plume of CVOCs. The October 2007 results (162 mg/L at RM-204I and 150 mg/L at RM-204D) are lower than the April 2007 results, and are within the range of results that were reported during the first two quarterly sampling events in 2006.

- The concentrations of **total inorganic carbon (TIC)** and **alkalinity** in groundwater at the near-field wells are elevated compared to background. Alkalinity is also elevated along the centerline of the plume of CVOCs. Slight increasing trends in the concentration of alkalinity are apparent at near-field bedrock wells RM-7D and RM-8D. Increases in TIC and alkalinity typically coincide with increases in dissolved CO_2.

- **Nitrate** is depleted in groundwater at RM-7D and RM-7XD, and at RM-214D. Decreasing concentration trends are apparent for nitrate at RM-7D and RM-8D, and at near-field well RM-307D. Nitrate is used as an electron acceptor for anaerobic biodegradation, following depletion of DO.
- **Ferrous iron** is present in the near-field perched water table wells (RM-103S, RM-206S, and RM-207S), but iron was not detected in the LGS during the reporting period, suggesting a possible lack of iron in the LGU and the bedrock. If present, iron may be also used as an electron acceptor for anaerobic biodegradation, following the depletion of DO and nitrate.
- Dissolved **manganese** is reported at concentrations that are elevated compared to background at wells downgradient of the LTR (RM-7D, RM-214D, and RM-213D), at far-field well RM-204D, and at sentinel wells RM-212I, RM-212D, and RM-2D. The concentration of manganese at RM-7D is also elevated compared to near-field well RM-303D and the deeper, nested bedrock piezometer RM-7XD. Increases in the concentration of dissolved manganese can be an indicator of reducing conditions, because naturally occurring manganese can be chemically reduced and become dissolved in groundwater, both as a result of natural processes and the anaerobic biodegradation of CVOCs.
- **Sulfate** can be used as an electron acceptor for the anaerobic biodegradation of CVOCs, following the depletion of DO, nitrate, and iron. Sulfate is present in groundwater at concentrations greater than background at near-field LTR and LL wells. Sulfate reduction resulting from biodegradation could be occurring in groundwater at RM-7XD, because the concentration of sulfate at RM-7XD (5.4 mg/L, January 2008) is typically an order of magnitude lower than at RM-7D (59 mg/L, January 2008). It is also possible that the results for RM-7D and RM-7XD represent natural variation in sulfate concentrations with depth in the bedrock aquifer. Stable concentrations of sulfate have been reported at each well during the course of the demonstration project.
- **Methane** was not detected at concentrations greater than the laboratory Limit of Detection (LOD) (10 μg/L) during the reporting period, except at perched water table well RM-103S (27 μg/L on November 2007). Methane has also been detected historically in the perched water table at wells RM-5S, RM-207S, RM-208S, and RM-302S. Methane has not been detected in the LGS, except at RM-7D (86 μg/L), in July 2007. The production of methane (methanogenesis) typically occurs after oxygen, nitrate, iron, and sulfate have been depleted from groundwater.

3.4 Chlorinated VOCs

A brief discussion of the reported concentrations of selected CVOCs in groundwater at the LL and LTR sites is developed below, focusing first on the protection of receptors (residential water supply wells), and second on plume behavior. The results of residential well sampling during the period are noted; the reported detections of CVOCs at the sites' sentinel wells are compared

to the calculated 95% Upper Confidence Limits (UCLs); and the reported concentrations and historical trends for the chlorinated ethanes 1,1,1-TCA (parent) and 1,1-dichloroethane (DCA) (breakdown), and the chlorinated ethenes TCE (parent product or breakdown product of tetrachloroethene), cis-1,2-DCE, and 1,1-DCE (breakdown product of 1,1,1-TCA) are discussed. Other breakdown products, such as vinyl chloride (VC), and chloroethane (CEA), are rarely detected, if at all, and are not discussed in detail.

Figures 4 and 5 illustrate the plume orientation and the isoconcentrations of the two CVOC parent compounds – TCE and 1,1,1- TCA – in bedrock in December 2007/January 2008. Figures 6A and 6B are cross sections that contain trend plots of the historical concentrations of TCE (Figure 6A) and 1,1,1-TCA (Figure 6B), and the common breakdown products for selected wells along the plume axis. The trend plots presented on Figures 6A and 6B are reproduced in Appendix C.

3.4.1 Residential Wells

Samples of groundwater were collected from each of the 23 residential wells near the LL and LTR (Residential Well Group I and Group II) in September 2007 and December 2007, and were laboratory-analyzed for VOCs. CVOCs were not detected in the residential wells during the reporting period. Appendix B contains the laboratory analytical results.

In March 2007 (during the third quarterly sampling round), false-positive detections of chloromethane were reported at three residential wells, likely due to chemical reaction of the groundwater samples with the hydrochloric acid with which the samples are preserved. This reaction was briefly mentioned in the United States Geological Survey (USGS) Open File Report 97-829 (1998). To avoid the false-positive results, the residential well samples are collected in unpreserved vials, beginning with the fifth round of MNA sampling. The WDNR approved of this change in sampling protocol with a letter to RMT dated September 10, 2007. As a result of the use of non-preserved sample containers, chloromethane was not detected in the residential well samples during this reporting period.

3.4.2 Sentinel Wells

The groundwater analytical results for the sentinel wells are evaluated as stated in Subsection 4.8.4 of the MNA Workplan. Consistent with past results, CVOCs were either not detected at concentrations above the laboratory Limit of Detection (LOD) or were detected at concentrations significantly below each sentinel well's respective 95%

Upper Confidence Limit (UCL). The trend plots showing the historical concentrations of CVOCs and the calculated UCLs for each sentinel well are contained in Appendix C.

The 95% UCLs are calculated as a "background limit" as defined by the mean plus 2 standard deviations, for the VOC constituents of concern. The entire historical data set for each individual well and parameter, through the July 2006 baseline sampling event, is used to calculate the UCLs. For data sets consisting of 100% nondetect results, no upper limit was calculated. For these wells and parameters, the Limit of Quantitation (LOQ) will be used as the background limit.

3.4.3 Concentration Trends

The historical trends and ratios of the concentrations/mass of 1,1,1-TCA and TCE relative to breakdown compounds 1,1-DCA and cis-1,2-DCE generally support the conclusion that reductive dechlorination of the parent compounds is occurring in groundwater at the sites. A summary of the evidence supporting degradation follows:

- Overall, the ratio of the concentration of the breakdown product cis-1,2-DCE in groundwater is greater than that of the parent compound TCE, while the concentration of the parent compound 1,1,1-TCA is typically stable or slightly decreasing relative to 1,1-DCA.
- Steadily decreasing concentrations of 1,1,1-TCA and TCE are evident at the following wells:
    - At near-field wells RM-209D, RM-307D, RM-7D (TCA only), and RM-8D, which monitor the shallow portion of the groundwater plume that extends north of the LTR
    - At near-field (LL) well RM-5D, which is located further downgradient of the LTR
    - At far-field and sentinel wells RM-101D, RM-204I, RM-204D, RM-2I (TCA only), RM-2D, RM-210I (TCE only), RM-210D, RM203I (TCA only), and RM-203D (TCE only)
- Degradation of 1,1,1-TCA and TCE, which results in the production of breakdown compounds 1,1-DCA and cis-1,2-DCE, is evident:
    - At near-field well RM-209D, where long-term increasing concentrations of 1,1-DCA occur as the concentration of 1,1,1-TCA decreases
    - Downgradient of the LTR, at near-field (LL) well RM-214D, where VC is consistently reported and shows a slight increasing trend as the concentration of cis-1,2-DCE is decreasing

- Long-term decreasing trends in the concentrations of breakdown compounds generally occur throughout the plume, coincident with long-term decreasing concentrations of parent compounds, except at RM-209D and RM-214D as noted above and at near-field well RM-7D, where the concentration of cis-1,2-DCE is increasing.
- The historical detections of 1,2-DCE (total) were determined to be predominately cis-1,2-DCE; and because the production of the cis-isomer in groundwater is overwhelmingly attributed to biotic processes (see Figure 8), the large ratio of the cis-isomer relative to the trans-isomer suggests that most of the cis-1,2-DCE in groundwater results from biologically mediated degradation of TCE.

A long-term increasing trend in the concentrations of 1,1,1-TCA and TCE is evident at near-field (LTR) bedrock well RM-7XD. Two lines of evidence suggest that the plume probably does not extend substantially deeper than RM-7XD. First, vertically between RM-7D and RM-7XD, a separation of approximately 70 feet, the groundwater VOC concentrations decrease by an order of magnitude. Second, VOCs have not been detected in downgradient residential wells that draw water from the aquifer beneath the plume (downgradient and deeper). However, in December 2007, RMT submitted, on behalf of the LSRG, a Supplemental Workplan for Deep Monitoring Well Installation (RMT, 2007), to further investigate the potential downward migration of CVOCs in groundwater at the site. The workplan proposes the installation of two wells—a deep piezometer nested with RM-7XD (RM-7XXD) and a deep piezometer nested with RM-208D (RM-208XD). The results of the well installations and groundwater sampling are intended to determine the vertical extent of the groundwater plume and confirm that the plume does not represent an unacceptable risk to the downgradient residential wells.

As was noted in the previous MNA status reports, 1,1,1-TCA has been detected at concentrations higher than the baseline (July 2006) concentration at several wells during the MNA demonstration project. Most notably, the concentration of 1,1,1-TCA is higher at far-field wells RM-3I and RM-3D, and at sentinel wells RM-211D and RM-203D; but, higher concentrations of 1,1,1-TCA are also apparent at wells along the centerline of the plume (RM-7D, RM-208I, RM-208D, RM-5I, RM-5D, and RM-210I). Despite the slight increases in the concentrations of 1,1,1-TCA, there is no evidence to support that the slight short-term increases in the detected concentrations of 1,1,1-TCA at these wells are related to the shutdown of the pump-and-treat system. At each well, the reported concentrations of 1,1,1-TCA remain within the historical range of seasonal variations and part of an overall decreasing concentration trend. At the sentinel wells, the

concentrations of 1,1,1-TCA are below the PAL (40 µg/L) and below each well's respective Upper Confidence Limit (UCL).

A more thorough discussion of the above concentration trends will be provided with the final MNA demonstration project report at the conclusion of the 2-year sampling period.

Section 4
Summary and Conclusions

The data collected during this reporting period, which include the fifth (October/November 2007) and sixth (December 2007/January 2008) MNA sampling events, together with the collective data set, which includes the baseline (July 2006) and the first four of eight quarterly groundwater sampling events (September 2006, December 2006, April 2007, and July/August 2007), effectively demonstrate that reductive dechlorination of the 1,1,1-TCA and TCE plume is occurring in the LGS at the site.

The shutdown of the pump-and-treat system on August 1, 2006, has not caused expansion of the plume margins, nor has it placed residential wells at risk. The groundwater elevations and flow directions at the sites are consistent with pre-pumping conditions, and the orientation of the plume of CVOCs has not changed. CVOCs were not detected in samples of groundwater collected from the 23 residential water supply wells during the reporting period, and at the sites' sentinel wells, CVOCs were either not detected or were detected at concentrations significantly below the UCLs.

The groundwater analytical results for MNA parameters for the reporting period are consistent with the previous four quarterly rounds of results and show that the processes of reductive dechlorination continue to take place in source-area groundwater at the LTR and within the core of the plume of CVOCs that extends north of the LTR. The decreased concentration of DO and the related increases in the concentrations of CO_2 and alkalinity relative to background concentrations are the result of microbial degradation of 1,1,1-TCA and TCE throughout the plume. Nitrate depletion at near-field wells and the reduction of manganese at near-field, far-field, and sentinel wells are further evidence of reductive dechlorination.

The presence of the primary breakdown products 1,1-DCA and cis-1,2-DCE in groundwater at near-field, far-field, and sentinel wells provides direct evidence of reductive dechlorination. Increasing trends in the concentrations of breakdown products are evident at near-field wells RM-209D (1,1-DCA), RM-7D (cis-1,2-DCE), and further downgradient of the LTR at RM-214D (1,1-DCA). Vinyl chloride is also detected at RM-214D. Cis-1,2-DCE is detected in the groundwater plume at concentrations greater than the parent compound TCE, and the large ratio of cis-1,2-DCE to trans-1,2-DCE indicates that the breakdown of TCE is taking place mostly due to biotic processes. Decreasing trends in the concentrations of 1,1,1-TCA and TCE in groundwater are evident during the MNA demonstration project, consistent with the historical decreasing concentration trends that were observed during, and prior to, operation of the pump-and-treat system.

With the exception of RM-7XD, long-term increasing concentrations of 1,1,1-TCA and TCE are not evident at the sites' monitoring wells. The overall increasing trends in CVOCs that are occurring at near-field well RM-7XD are proposed to be further investigated with the installation of two additional deep wells, following approval of the Revised Supplemental Workplan for Deep Well Installation (RMT, 2007). The results of the well installations and groundwater sampling are intended to determine the vertical extent of the groundwater plume and confirm that the plume does not represent an unacceptable risk to the downgradient residential wells.

Overall, the findings of the MNA demonstration project to date are positive. No changes to the MNA sampling program are warranted at this time. The final report for the MNA demonstration project will be submitted in December 2008 following completion of the seventh and eighth (final) MNA sampling rounds.

Section 5
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TABLES

Table 1
Approved Groundwater Monitoring Program for MNA Demonstration Project - Revised Sampling Schedule (Project Years 1 and 2)
Lemberger Sites

WELL GROUP	PROJECT YEAR 1												PROJECT YEAR 2											
	MONTH NUMBER												MONTH NUMBER											
	1	2 (Sep)	3	4	5 (Dec)	6	7	8 (Mar)	9	10	11 (Jun)	12	1	2 (Sep)	3	4	5 (Dec)	6	7	8 (Mar)	9	10	11 (Jun)	12
IA		V&M **(MNA)**			V&M **(MNA)**			V&M **(MNA)**			V&M **(MNA)**			V&M **(MNA)**			V&M **(MNA)**			V&M **(MNA)**			V&M **(MNA)**	
IB (Note 1)		V&M **(MNA)**			V&M **(MNA)**			V&M **(MNA)**			V&M S/P/C **(MNA)**			V&M **(MNA)**			V&M **(MNA)**			V&M **(MNA)**			V&M S/P/C **(MNA)**	
IIA		V&M **(MNA)**						V&M **(MNA)**						V&M **(MNA)**						V&M **(MNA)**				
IIB (Note 2)		V&M **(MNA)**			(V)			V&M **(MNA)**			**(V)** S/P/C			V&M **(MNA)**			(V)			V&M **(MNA)**			**(V)** S/P/C	
IIIA											V&M **(MNA)**												V&M **(MNA)**	
IIIB (Note 2)		(V)			(V)			(V)			V&M S/P/C **(MNA)**			(V)			(V)			(V)			V&M S/P/C **(MNA)**	
IV											**(V)** **(MNA)**												**(V)** **(MNA)**	
Metals Background Well (Note 3)																								
Residential Group I		V			V			V			V			V			V			V			V	
Residential Group II		(V)			V			(V)			(V)						V						(V)	

Abbreviations:
V&M = volatile organic compounds and metals.
S/P/C = semivolatile organic compounds, pesticides/PCBs, and cyanide.
MNA = monitored natural attenuation parameters.
V = volatile organic compounds only.

Notes:
1. Sampling of extraction wells is not included; however, groundwater elevation will be measured at each extraction well during each monitoring round.
2. Groundwater collection (GWC) sumps, including EW-6S, will not be sampled.
3. This well (RM-9D) was abandoned during the bedrock investigation drilling program in summer 2005.
4. Abbreviations shown in **bold** font in parentheses are analyses added to the currently approved monitoring program, for the MNA demonstration project. Abbreviations in nonbold font without parentheses are analyses required by the currently approved monitoring program.
5. The two monitoring wells that were constructed in September 2005 as part of the LTR bedrock investigation (RM-213D and RM-214D) will be sampled with Well Group IA.

Table 2
Currently Approved Groundwater Monitoring Program - Groundwater Sampling Frequency
Lemberger Sites

WELL GROUP	VOCs AND METALS	SVOCs, PEST./PCBs, CN	WATER LEVEL	VOCs ONLY	METALS ONLY
IA	Quarter	5 years	Month	--	--
IB	Quarter	Annual	Month	--	--
IIA	Semiannual	5 years	Month	--	--
IIB	Semiannual	Annual	Month	--	--
IIIA	Annual	5 years	Month	--	--
IIIB	Annual	Annual	Month	--	--
IV	5 years	5 years	Month	--	--
Metals Background Well			Month	--	Annual
Residential Group I	--	--	--	Quarter	--
Residential Group II	--	--	--	Annual	--

Table 3
Lemberger Landfill Sites
Groundwater Monitoring Program During 2-Year MNA Demonstration
Well Group Designations

WELL GROUP										METALS BKGND WELL	RES'L GRP. I	RES'L GRP. II
IA	IB	IIA	IIA-1	IIB	IIB-1	IIIA	IIIA-1	IIIB	IV			
RM-7D	RM-203D[1]	RM-2I	RM-3D[3]	RM-2D[1]	RM-203I[1] [3]	RM-4D	RM-3I[3]	RM-211D[1]	RM-4S	[2]	GR-13	GR-8
RM-7XD	RM-210D[1]	RM-10D	RM-5S[3]	RM-210I[1]		RM-11D	RM-7S[3]				GR-26	GR-9
RM-8D	RM-212I[1]	RM-101I	RM-5I[3]			RM-102D	RM-206S[3]				GR-27	GR-10
RM-209D	RM-212D[1]	RM-101D	RM-5D[3]			RM-201I	RM-207S[3]				GR-31	GR-11
RM-303D		RM-204I	RM-103S[3]			RM-201D	RM-208S[3]				GR-41	GR-12
RM-306D		RM-204D	RM-103D[3]			RM-202I	RM-208I[3]				GR-60R	GR-14
RM-307D		RM-304D	RM-208D[3]			RM-202D	RM-301S[3]					GR-15
RM-213D		RM-305D					RM-302S[3]					GR-16
RM-214D		RM-308D					RM-205I[3]					GR-17
							RM-205D[3]					GR-24
												GR-25
												GR-30
												GR-33
												GR-62
												GR-63
												GR-64
												GR-65

Notes:

(1) Sentinel well, sampled quarterly for quick-turn VOCs during MNA demonstration period.

(2) RM-9D and 103I abandoned.

(3) Well sampled and analyzed quarterly for VOCs and metals with the Group IA wells, during 24-month MNA demonstration period.

Table 4
Monitored Natural Attenuation Parameters, Analytical Methods, and Reporting Limits

GROUNDWATER PARAMETER	FIELD OR LABORATORY	METHOD	EQUIPMENT	LIMIT OF DETECTION (LOD)	LIMIT OF QUANTITATION (LOQ)
Alkalinity (total)	Field	Hach kit	Hach kit	10 mg/L as $CaCO_3$[4]	N/A
Carbon dioxide	Field	Hach kit	Hack kit	1.25 mg/L	25 mg/L
Dissolved oxygen	Field	360.1[1]	Probe	0.1 mg/L[5]	N/A
Iron (II)	Field	8146 WAH	Hach kit	0.1 mg/L	N/A
Oxidation reduction potential	Field	Standard methods[2]	Electrode	N/A	N/A
pH	Field	150.1[1]	Electrode	N/A	0.1 standard units
Specific conductivity	Field	120.1[1]	Electrical conductivity meter	N/A	1 μmhos/cm
Temperature	Field	--	Probe	N/A	0.1°C
Turbidity	Field	SM 2130B	Meter	NA	1 NTU
Alkalinity (total)	Laboratory	2320B[2]	Per method	3.7 mg/L	10 mg/L
Chloride	Laboratory	300.0[1]	Per method	0.88 mg/L	5.0 mg/L
Ethane	Laboratory	M8015B[3]	Per method	1.6 μg/L	10 μg/L
Ethene	Laboratory	M8015B[3]	Per method	1.4 mg/L	10 mg/L
Manganese	Laboratory	6020[3]	Per method	0.4 μg/L	2.0 μg/L
Methane	Laboratory	M8015B[3]	Per method	2 µg/L	10 μg/L
Nitrate	Laboratory	300.0[1]	Per method	0.078 mg/L	0.40 mg/L
Nitrite	Laboratory	300.0	Per method	0.46 mg/L	0.10 mg/L
pH	Laboratory	150.1[1]	Electrode	N/A	0.1 standard units
Sulfate	Laboratory	300.0[1]	Per method	0.83 mg/L	4.0 mg/L
Temperature	Laboratory	--	Thermometer	N/A	0.1°C
Total inorganic carbon	Laboratory	415.2[1]	Per method	0.80 mg/L	2.0 mg/L

Table 4 (continued)
Monitored Natural Attenuation Parameters, Analytical Methods, and Reporting Limits

GROUNDWATER PARAMETER	FIELD OR LABORATORY	METHOD	EQUIPMENT	LIMIT OF DETECTION (LOD)	LIMIT OF QUANTITATION (LOQ)
Total organic carbon	Laboratory	415.2[1]	Per method	0.80 mg/L	2.0 mg/L

Notes:
(1) USEPA 600/4-79-020, Methods for Chemical Analysis of Water and Waste.
(2) Standard Methods for the Examination of Water and Wastewater, 19th Edition, 1995.
(3) SW-846, Test Methods for Evaluating Solid Waste, Physical and Chemical Methods, USEPA, 3rd Edition, 1986.
(4) Based on Hach Method 8203 digital titration.
(5) Based on typical field meter and dissolved oxygen probe with a resolution of 0.01 mg/L and used under normal field operating conditions.

N/A = not applicable.

Table 5
Water Sample Containers, Preservatives, and Holding Times for Monitored Natural Attenuation Parameters

PARAMETER	CONTAINER	MINIMUM SAMPLE VOLUME	FIELD PRESERVATION METHOD	HOLDING TIME[1]
Alkalinity, sulfate	One 250-mL high-density polyethylene bottle[3]	120 mL	Cool to 4°C	14 days (alkalinity) 28 days (sulfate)
Methane, ethane, and ethene	Three 40-mL VOA vials with Teflon® septum[2]	One x 40-mL VOA vial	Cool to 4°C, and add HCl to pH < 2; protect from light	7 days if unpreserved; 14 days if preserved (sample should remain on-site less than 24 hours)
Nitrate+nitrite nitrogen	One 250-mL high-density polyethylene bottle[3]	75 mL	Cool to 4°C, and add H_2SO_4 to pH < 2	28 days
Temperature, E_H, pH, specific conductivity, dissolved oxygen, ferrous iron, ORP, alkalinity (field)	--	--	--	Immediately after sample collection
Manganese	One 250-mL high-density polyethylene bottle[3]	50 mL	Cool to 4°C, and add HNO_3 to pH < 2	6 months
Total organic carbon, total inorganic carbon	Two 60-mL glass bottles	Bottles must be filled	Cool to 4°C, no headspace; add H_2SO_4 to pH < 2	28 days

Notes:
(1) Starting from time of sample collection.
(2) Collect three extra containers for MS/MSD samples.
(3) Collect one extra container for sample spike and duplicate analyses.

Table 6
Summary of Volatile Organic Groundwater Standard Exceedences at Plume Monitoring Wells
Lemberger Landfill Sites
September 2007 - January 2008

WELL ID	SAMPLE DATE	PARAMETER	RESULT (µg/L)	DATA QUALIFIERS	STANDARD[1] (µg/L)		EXCEEDENCE	
					ES[2]	PAL[3]	ES	PAL
RM-003D	10/25/2007	1,1,1-Trichloroethane	44			PAL		X
RM-003D	12/27/2007	1,1,1-Trichloroethane	41			PAL		X
RM-003D	10/25/2007	1,1-Dichloroethene	3.5			PAL		X
RM-003D	12/27/2007	1,1-Dichloroethene	3.3			PAL		X
RM-003D	10/25/2007	cis-1,2-dichloroethene	7.7			PAL		X
RM-003D	12/27/2007	cis-1,2-dichloroethene	8.8			PAL		X
RM-003D	10/25/2007	Trichloroethene	4.1			PAL		X
RM-003D	12/27/2007	Trichloroethene	4.1			PAL		X
RM-005D	11/1/2007	1,1-Dichloroethene	3.4			PAL		X
RM-005D	1/16/2008	1,1-Dichloroethene	3.4			PAL		X
RM-005D	11/1/2007	cis-1,2-dichloroethene	8.1			PAL		X
RM-005D	1/16/2008	cis-1,2-dichloroethene	9.4			PAL		X
RM-005D	11/1/2007	Trichloroethene	3.0			PAL		X
RM-005D	1/16/2008	Trichloroethene	3.3			PAL		X
RM-005D DUP	11/1/2007	1,1-Dichloroethene	3.9			PAL		X
RM-005D DUP	11/1/2007	cis-1,2-dichloroethene	8.4			PAL		X
RM-005D DUP	11/1/2007	Trichloroethene	3.5			PAL		X
RM-005I	11/1/2007	1,1-Dichloroethene	1.4	Q		PAL		X
RM-005I	1/16/2008	1,1-Dichloroethene	1.2	Q		PAL		X
RM-005I	11/1/2007	Trichloroethene	1.3	Q		PAL		X
RM-005I	1/16/2008	Trichloroethene	1.5	Q		PAL		X
RM-005S	11/1/2007	Trichloroethene	2.6			PAL		X
RM-005S	1/16/2008	Trichloroethene	1.3	Q		PAL		X
RM-007D	10/31/2007	1,1,1-Trichloroethane	510		ES		X	
RM-007D	1/10/2008	1,1,1-Trichloroethane	520		ES		X	
RM-007D	10/31/2007	1,1-Dichloroethane	360			PAL		X
RM-007D	1/10/2008	1,1-Dichloroethane	330			PAL		X
RM-007D	10/31/2007	1,1-Dichloroethene	31		ES		X	
RM-007D	1/10/2008	1,1-Dichloroethene	29		ES		X	

Table 6 (continued)
Summary of Volatile Organic Groundwater Standard Exceedences at
Plume Monitoring Wells
Lemberger Landfill Sites
September 2007 - January 2008

WELL ID	SAMPLE DATE	PARAMETER	RESULT (µg/L)	DATA QUALIFIERS	STANDARD[1] (µg/L)		EXCEEDENCE	
					ES[2]	PAL[3]	ES	PAL
RM-007D	10/31/2007	cis-1,2-dichloroethene	130		ES		X	
RM-007D	1/10/2008	cis-1,2-dichloroethene	110		ES		X	
RM-007D	10/31/2007	Tetrachloroethene	3.3	Q		PAL		X
RM-007D	1/10/2008	Tetrachloroethene	3.2	Q		PAL		X
RM-007D	10/31/2007	Trichloroethene	37		ES		X	
RM-007D	1/10/2008	Trichloroethene	34		ES		X	
RM-007D DUP	1/10/2008	1,1,1-Trichloroethane	530		ES		X	
RM-007D DUP	1/10/2008	1,1-Dichloroethane	330			PAL		X
RM-007D DUP	1/10/2008	1,1-Dichloroethene	29		ES		X	
RM-007D DUP	1/10/2008	cis-1,2-dichloroethene	110		ES		X	
RM-007D DUP	1/10/2008	Tetrachloroethene	3.4	Q		PAL		X
RM-007D DUP	1/10/2008	Trichloroethene	37		ES		X	
RM-007S	10/31/2007	Vinyl chloride	0.47	Q	ES		X	
RM-007XD	10/31/2007	1,1,1-Trichloroethane	83			PAL		X
RM-007XD	1/10/2008	1,1,1-Trichloroethane	79			PAL		X
RM-007XD	10/31/2007	1,1-Dichloroethene	19		ES		X	
RM-007XD	1/10/2008	1,1-Dichloroethene	17		ES		X	
RM-007XD	10/31/2007	cis-1,2-dichloroethene	66			PAL		X
RM-007XD	1/10/2008	cis-1,2-dichloroethene	62			PAL		X
RM-007XD	10/31/2007	Trichloroethene	19		ES		X	
RM-007XD	1/10/2008	Trichloroethene	18		ES		X	
RM-008D	10/29/2007	1,1,1-Trichloroethane	62			PAL		X
RM-008D	12/27/2007	1,1,1-Trichloroethane	61			PAL		X
RM-008D	10/29/2007	1,1-Dichloroethene	4.6			PAL		X
RM-008D	12/27/2007	1,1-Dichloroethene	4.3			PAL		X
RM-008D	10/29/2007	cis-1,2-dichloroethene	14			PAL		X
RM-008D	12/27/2007	cis-1,2-dichloroethene	17			PAL		X
RM-008D	10/29/2007	Trichloroethene	5.6		ES		X	
RM-008D	12/27/2007	Trichloroethene	6.0		ES		X	

Table 6 (continued)
Summary of Volatile Organic Groundwater Standard Exceedences at
Plume Monitoring Wells
Lemberger Landfill Sites
September 2007 - January 2008

WELL ID	SAMPLE DATE	PARAMETER	RESULT (µg/L)	DATA QUALIFIERS	STANDARD[1] (µg/L)		EXCEEDENCE	
					ES[2]	PAL[3]	ES	PAL
RM-010D	10/26/2007	Trichloroethene	0.52	Q		PAL		X
RM-101D	10/29/2007	Trichloroethene	1.0	Q		PAL		X
RM-103D	11/1/2007	1,1-Dichloroethene	1.2	Q		PAL		X
RM-103D	1/15/2008	1,1-Dichloroethene	1.0	Q		PAL		X
RM-103D	11/1/2007	Trichloroethene	1.3	Q		PAL		X
RM-103D	1/15/2008	Trichloroethene	1.2	Q		PAL		X
RM-103S	11/1/2007	cis-1,2-dichloroethene	9.8			PAL		X
RM-103S	1/15/2008	cis-1,2-dichloroethene	11			PAL		X
RM-103S	11/1/2007	Trichloroethene	1.4	Q		PAL		X
RM-103S	1/15/2008	Trichloroethene	1.2	Q		PAL		X
RM-103S	11/1/2007	Vinyl chloride	2.8		ES		X	
RM-103S	1/15/2008	Vinyl chloride	2.5		ES		X	
RM-203D	10/24/2007	Trichloroethene	0.71	Q		PAL		X
RM-203D	12/27/2007	Trichloroethene	0.69	Q		PAL		X
RM-204D	10/29/2007	1,1-Dichloroethene	0.93	Q		PAL		X
RM-204D	10/29/2007	Trichloroethene	1.2	Q		PAL		X
RM-204I	10/29/2007	1,1-Dichloroethene	0.78	Q		PAL		X
RM-204I	10/29/2007	Trichloroethene	1.0	Q		PAL		X
RM-207S	11/2/2007	Benzene	1.3	Q		PAL		X
RM-207S	1/15/2008	Benzene	0.82	Q		PAL		X
RM-208D	10/29/2007	1,1-Dichloroethene	2.2			PAL		X
RM-208D	1/16/2008	1,1-Dichloroethene	2.1			PAL		X
RM-208D	10/29/2007	Trichloroethene	2.9			PAL		X
RM-208D	1/16/2008	Trichloroethene	2.8			PAL		X
RM-208D DUP	10/29/2007	1,1-Dichloroethene	2.4			PAL		X
RM-208D DUP	1/16/2008	1,1-Dichloroethene	2.2			PAL		X
RM-208D DUP	10/29/2007	Trichloroethene	2.9			PAL		X
RM-208D DUP	1/16/2008	Trichloroethene	2.7			PAL		X
RM-209D	10/30/2007	1,1,1-Trichloroethane	220		ES		X	

Table 6 (continued)
Summary of Volatile Organic Groundwater Standard Exceedences at
Plume Monitoring Wells
Lemberger Landfill Sites
September 2007 - January 2008

WELL ID	SAMPLE DATE	PARAMETER	RESULT (µg/L)	DATA QUALIFIERS	STANDARD[1] (µg/L)		EXCEEDENCE	
					ES[2]	PAL[3]	ES	PAL
RM-209D	12/27/2007	1,1,1-Trichloroethane	220		ES		X	
RM-209D	10/30/2007	1,1-Dichloroethane	110			PAL		X
RM-209D	12/27/2007	1,1-Dichloroethane	110			PAL		X
RM-209D	10/30/2007	1,1-Dichloroethene	14		ES		X	
RM-209D	12/27/2007	1,1-Dichloroethene	12		ES		X	
RM-209D	10/30/2007	cis-1,2-dichloroethene	28			PAL		X
RM-209D	12/27/2007	cis-1,2-dichloroethene	26			PAL		X
RM-209D	10/30/2007	Tetrachloroethene	1.4	Q		PAL		X
RM-209D	12/27/2007	Tetrachloroethene	1.3	Q		PAL		X
RM-209D	10/30/2007	Trichloroethene	9.5		ES		X	
RM-209D	12/27/2007	Trichloroethene	9.3		ES		X	
RM-210D	10/23/2007	1,1-Dichloroethene	2.4			PAL		X
RM-210D	1/9/2008	1,1-Dichloroethene	2.3			PAL		X
RM-210D	10/23/2007	cis-1,2-dichloroethene	7.0			PAL		X
RM-210D	10/23/2007	Trichloroethene	3.9			PAL		X
RM-210D	1/9/2008	Trichloroethene	4.0			PAL		X
RM-210D DUP	10/23/2007	1,1-Dichloroethene	2.4			PAL		X
RM-210D DUP	10/23/2007	Trichloroethene	3.8			PAL		X
RM-210I	10/23/2007	1,1-Dichloroethene	1.2	Q		PAL		X
RM-210I	1/9/2008	1,1-Dichloroethene	1.2	Q		PAL		X
RM-210I	10/23/2007	Trichloroethene	2.1			PAL		X
RM-210I	1/9/2008	Trichloroethene	2.3			PAL		X
RM-213D	10/31/2007	Trichloroethene	0.99	Q		PAL		X
RM-213D	1/9/2008	Trichloroethene	1.3	Q		PAL		X
RM-214D	10/31/2007	1,1-Dichloroethene	1.6	Q		PAL		X
RM-214D	12/27/2007	1,1-Dichloroethene	1.6	Q		PAL		X
RM-214D	10/31/2007	cis-1,2-dichloroethene	38			PAL		X
RM-214D	12/27/2007	cis-1,2-dichloroethene	38			PAL		X
RM-214D	10/31/2007	Trichloroethene	4.5			PAL		X

Table 6 (continued)
Summary of Volatile Organic Groundwater Standard Exceedences at
Plume Monitoring Wells
Lemberger Landfill Sites
September 2007 - January 2008

WELL ID	SAMPLE DATE	PARAMETER	RESULT (µg/L)	DATA QUALIFIERS	STANDARD[1] (µg/L)		EXCEEDENCE	
					ES[2]	PAL[3]	ES	PAL
RM-214D	12/27/2007	Trichloroethene	4.6			PAL		X
RM-214D	10/31/2007	Vinyl chloride	2.4		ES		X	
RM-214D	12/27/2007	Vinyl chloride	2.9		ES		X	
RM-303D	10/30/2007	1,1,1-Trichloroethane	830		ES		X	
RM-303D	1/10/2008	1,1,1-Trichloroethane	1000		ES		X	
RM-303D	10/30/2007	1,1-Dichloroethane	840			PAL		X
RM-303D	1/10/2008	1,1-Dichloroethane	870		ES		X	
RM-303D	10/30/2007	1,1-Dichloroethene	33		ES		X	
RM-303D	1/10/2008	1,1-Dichloroethene	50		ES		X	
RM-303D	10/30/2007	cis-1,2-dichloroethene	390		ES		X	
RM-303D	1/10/2008	cis-1,2-dichloroethene	420		ES		X	
RM-303D	1/10/2008	Tetrachloroethene	5.6	Q	ES		X	
RM-303D	10/30/2007	Trichloroethene	130		ES		X	
RM-303D	1/10/2008	Trichloroethene	160		ES		X	
RM-305D	10/30/2007	Trichloroethene	0.66	Q		PAL		X
RM-306D	10/30/2007	1,1,1-Trichloroethane	190			PAL		X
RM-306D	1/14/2008	1,1,1-Trichloroethane	150			PAL		X
RM-306D	10/30/2007	1,1-Dichloroethene	7.7		ES		X	
RM-306D	1/14/2008	1,1-Dichloroethene	7.6		ES		X	
RM-306D	10/30/2007	Tetrachloroethene	1.0	Q		PAL		X
RM-306D	10/30/2007	Trichloroethene	5.5		ES		X	
RM-306D	1/14/2008	Trichloroethene	4.6			PAL		X
RM-307D	10/30/2007	1,1,1-Trichloroethane	120			PAL		X
RM-307D	1/14/2008	1,1,1-Trichloroethane	98			PAL		X
RM-307D	10/30/2007	1,1-Dichloroethene	4.2			PAL		X
RM-307D	1/14/2008	1,1-Dichloroethene	3.4			PAL		X
RM-307D	1/14/2008	cis-1,2-dichloroethene	9.6			PAL		X
RM-307D	10/30/2007	Tetrachloroethene	0.60	Q		PAL		X
RM-307D	1/14/2008	Tetrachloroethene	0.70	Q		PAL		X

Table 6 (continued)
Summary of Volatile Organic Groundwater Standard Exceedences at
Plume Monitoring Wells
Lemberger Landfill Sites
September 2007 - January 2008

WELL ID	SAMPLE DATE	PARAMETER	RESULT (µg/L)	DATA QUALIFIERS	STANDARD[1] (µg/L)		EXCEEDENCE	
					ES[2]	PAL[3]	ES	PAL
RM-307D	10/30/2007	Trichloroethene	5.4		ES		X	
RM-307D	1/14/2008	Trichloroethene	6.2		ES		X	

Notes:

(1) Table includes exceedences where the reported concentration is between the Limit of Detection and the Limit of Quantitation (Q data qualifier).

(2) ES = Wisconsin Administrative Code NR140 Enforcement Standard.

(3) PAL = Wisconsin Administrative Code NR140 Preventive Action Limit.

Q = reported concentration is estimated between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ).

Table 7
Summary of Groundwater Elevations
July 2006 - January 2008
MNA Demonstration Study

	PRE-SHUTDOWN	POST-SHUTDOWN					
WELL	7/5/2006	9/8/2006	12/6/2006	4/6/2007	7/18/2007	9/13/07	12/18/07
OW-101A	806.28	805.27	804.57	807.09	805.52	804.88	803.71
OW-101B	806.24	805.22	804.54	807.03	805.51	804.87	803.67
OW-102A	802.54	802.67	802.13	803.54	803.04	802.49	801.43
OW-102B	802.60	802.63	802.06	803.45	803.04	802.45	801.38
OW-102C	802.70	802.76	802.17	803.58	803.09	802.62	801.47
OW-102D	802.74	802.73	802.17	803.57	803.09	802.52	801.48
OW-103A	793.69	794.58	794.30	795.07	794.84	794.47	793.57
OW-103B	793.62	794.29	794.03	794.81	794.56	794.21	793.34
OW-104A	791.28	791.56	791.36	791.72	791.36	791.24	790.91
OW-104B	791.12	791.54	791.34	791.71	791.34	791.17	790.88
OW-104C	791.25	791.52	791.31	791.68	791.31	791.19	790.90
OW-104D	791.23	791.51	791.27	791.66	791.31	791.16	790.85
OW-104E	791.24	791.53	791.32	791.69	791.33	791.20	790.89
OW-104F	791.33	791.56	791.37	791.77	791.39	791.25	790.92
OW-104G	791.23	791.49	791.27	791.66	791.30	791.18	790.82
OW-104H	792.07	792.36	792.13	792.61	792.28	792.08	791.65
OW-105A	805.33	804.50	803.86	805.68	804.78	804.25	803.06
OW-105B	805.31	804.40	803.79	805.52	804.75	804.19	802.99
OW-106A	828.38	826.42	826.57	830.41	826.76	826.06	825.81
OW-106B	828.78	826.92	827.11	831.90	827.25	826.89	826.86
RM-001D	790.93	791.18	790.92	791.32	790.83	790.71	790.40
RM-001I	791.20	791.36	790.80	791.26	790.78	790.69	790.36
RM-002D	791.89	792.12	791.93	792.51	791.95	791.80	791.48
RM-002I	794.88	795.22	794.91	795.61	795.16	794.91	794.20
RM-003D	802.06	801.91	801.41	802.41	802.27	801.81	800.50
RM-003I	801.31	801.37	801.09	801.85	801.60	801.17	800.08
RM-004D	801.13	801.34	801.31	808.96	801.45	800.61	799.44
RM-004S	841.73	840.64	840.42	842.19	839.39	838.30	837.07
RM-005D	800.16	800.46	799.93	800.83	800.57	800.03	799.09
RM-005I	800.05	800.30	799.80	800.65	800.51	799.88	799.03
RM-005S	836.65	835.63	836.54	838.38	835.53	834.55	834.13
RM-007D	807.09	805.32	804.71	807.30	805.66	805.24	803.70

Table 7 (continued)
Summary of Groundwater Elevations
July 2006 - January 2008
MNA Demonstration Study

	PRE-SHUTDOWN	POST-SHUTDOWN					
WELL	7/5/2006	9/8/2006	12/6/2006	4/6/2007	7/18/2007	9/13/07	12/18/07
RM-007S	838.49	837.58	839.41	840.67	837.93	837.15	836.57
RM-007XD	806.87	805.43	804.61	807.07	805.63	804.87	803.63
RM-008D	807.46	805.99	805.12	807.01	806.23	805.78	804.50
RM-010D	794.44	794.90	794.63	795.57	794.44	793.81	793.94
RM-011D	843.64	845.41	848.67	844.94	842.33	842.14	836.62
RM-101D	805.70	804.91	803.99	805.91	805.19	804.29	803.30
RM-101I	805.82	805.03	804.11	806.03	805.31	804.41	803.42
RM-102D	845.12	838.68	832.45	841.07	835.26	832.73	829.00
RM-103D	800.17	800.17	799.74	800.51	800.27	799.96	798.86
RM-103S	842.14	840.20	840.08	844.68	839.96	839.06	837.84
RM-201D	805.56	804.69	803.99	805.98	804.76	804.36	803.33
RM-201I	805.57	804.69	803.99	805.97	804.79	804.40	803.31
RM-202D	803.20	802.69	802.15	803.91	802.72	802.45	801.09
RM-202I	803.10	802.74	802.21	803.95	802.79	802.43	801.36
RM-203D	790.86	791.25	790.89	791.66	791.03	790.77	790.43
RM-203I	792.19	792.40	792.42	792.68	792.23	792.17	791.76
RM-205D	805.81	804.98	804.03	805.98	804.83	804.33	803.28
RM-205I	805.75	804.92	803.97	805.92	804.77	804.27	803.22
RM-206S	834.00	833.34	834.65	835.89	833.41	832.39	832.47
RM-207S	830.66	829.52	831.06	833.84	829.74	829.41	825.85
RM-208D	800.50	800.70	800.19	801.21	800.89	800.42	799.46
RM-208I	800.65	800.85	800.31	801.36	801.04	800.57	799.61
RM-208S	826.89	825.74	826.86	829.75	825.53	825.08	824.64
RM-209D	807.16	805.51	803.94	807.73	805.72	805.17	803.92
RM-210D	795.42	795.76	795.61	796.12	796.10	795.66	794.94
RM-210I	794.77	795.01	794.89	795.42	795.33	794.95	794.34
RM-211D	802.57	802.77	802.23	803.68	803.11	802.59	801.51
RM-212D	805.09	803.44	803.74	805.56	803.57	800.73	802.78
RM-212I	805.20	803.40	805.41	808.82	804.31	801.10	803.03
RM-213D	NM	804.78	803.56	806.05	805.52	804.42	803.15
RM-214D	NM	805.06	804.28	806.00	805.84	804.69	803.41
RM-301S	849.68	847.22	848.17	853.73	847.24	845.78	844.64

Table 7 (continued)
Summary of Groundwater Elevations
July 2006 - January 2008
MNA Demonstration Study

	PRE-SHUTDOWN	POST-SHUTDOWN					
WELL	7/5/2006	9/8/2006	12/6/2006	4/6/2007	7/18/2007	9/13/07	12/18/07
RM-302S	849.30	849.06	851.38	852.15	848.38	847.93	848.20
RM-303D	807.35	805.85	805.63	807.71	806.64	805.28	803.94
RM-304D	848.47	843.15	839.61	851.02	844.31	841.65	836.67
RM-305D	814.13	810.12	808.01	811.87	809.68	808.19	806.24
RM-306D	813.13	808.59	806.77	812.49	808.08	807.28	805.35
RM-307D	807.19	805.36	804.77	807.58	805.59	804.96	803.72
RM-308D	814.27	809.29	807.13	813.60	808.53	807.61	805.60

Notes:

NM = not measured.

Table 8
Well Designations for Purposes of MNA Discussion
Lemberger Sites

BACKGROUND WELLS	NEAR-FIELD WELLS - LTR LANDFILL	NEAR-FIELD WELLS - LL LANDFILL	FAR-FIELD WELLS	SENTINEL WELLS
RM-11D	RM-7S	RM-5S	RM-1I	RM-2D
RM-102D	RM-7D	RM-5I	RM-1D	RM-203I
RM-205I	RM-7XD	RM-5D	RM-2I	RM-203D
RM-205D	RM-209D	MW-14	RM-3I	RM-210I
	RM-303D	MW-15R	RM-3D	RM-210D
	RM-304D	RM-206S	RM-4S	RM-211D
	RM-305D	RM-207S	RM-4D	RM-212I
	RM-306D	RM-208S	RM-10D	RM-212D
	RM-307D	RM-208I	RM-101I	
	RM-308D	RM-208D	RM-101D	
		RM-214D	RM-103I	
		RM-301S	RM-103D	
		RM-302S	RM-201I	
			RM-201D	
			RM-202I	
			RM-202D	
			RM-204I	
			RM-204D	
			RM-211I	
			RM-213D	

Table 9
Vertical Hydraulic Gradients on December 18, 2007
Lemberger Landfill and Lemberger Transport and Recycling Site
Town of Franklin, Wisconsin

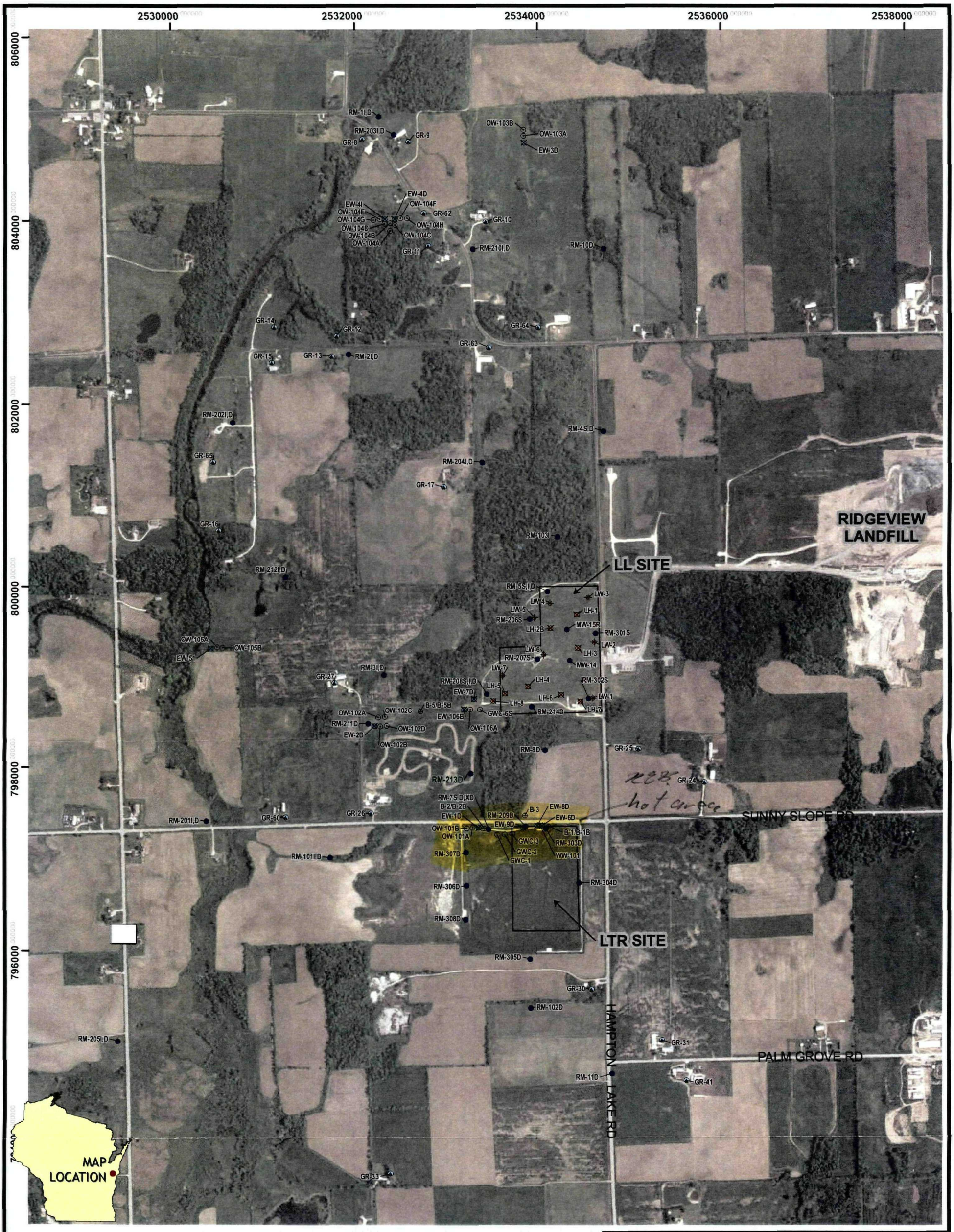
WELL	SCREEN FORMATION	GROUNDWATER ELEVATION (h) ft	REFERENCE ELEVATION (L) ft	DELTA h (ft)	DELTA L (ft.)	VERTICAL GRADIENT (i)	DIRECTION OF GRADIENT
OW-104A	LGU	790.91	785.40	0.03	14.40	0.002	Down
OW-104B	rock/LGU	790.88	771.00				
OW-104B	rock/LGU	790.88	771.00	-0.04	15.00	-0.003	Up
OW-104F	rock	790.92	756.00				
RM-001I	LGU?	790.36	775.50	-0.04	12.70	-0.003	Up
RM-001D	rock	790.40	762.80				
RM-002I	LGU?	794.20	766.00	2.72	28.90	0.094	Down
RM-002D	rock	791.48	737.10				
RM-003I	LGU	800.08	784.90	-0.42	28.20	-0.015	Up
RM-003D	LGU?	800.50	756.70				
RM-005I	LGU	799.03	797.10	-0.06	42.50	-0.001	Up
RM-005D	rock	799.09	754.60				
RM-007D	rock	803.70	802.30	0.07	59.80	0.001	Down
RM-007XD	rock	803.63	742.50				
RM-101I	LGU	803.42	782.80	0.12	19.90	0.006	Down
RM-101D	rock	803.30	762.90				
RM-201I	LGU	803.31	763.90	-0.02	13.80	-0.001	Up
RM-201D	rock	803.33	750.10				
RM-202I	LGU?	801.36	776.60	0.27	17.40	0.016	Down
RM-202D	rock	801.09	759.20				
RM-203I	LGU?	791.76	789.70	1.33	20.80	0.064	Down
RM-203D	rock	790.43	768.90				
RM-205I	LGU?	803.22	771.20	-0.06	20.10	-0.003	Up
RM-205D	rock	803.28	751.10				
RM-208I	LGU?	799.61	794.70	0.15	16.80	0.009	Down
RM-208D	rock	799.46	777.90				
RM-210I	LGU?	794.34	793.00	-0.60	26.10	-0.023	Up
RM-210D	rock	794.94	766.90				
RM-212I	LGU	803.03	779.90	0.25	19.8	0.013	Down
RM-212D	LGU	802.78	760.10				

Notes:

Prepared by: C. Shaw, 5/9/08
Checked by: T. Clausen, 5/12/08

Vertical Gradient (i) = Delta h / Delta L; positive values indicate a downward hydraulic gradient.
Reference Point (L) for head measurements (h) is the water table for wells screened in the UGU, and the mid-point of the screened interval, including the sand filter pack, for piezometers.
Delta h = the distance between head measurements.
Delta L = the distance between reference points.
UGU = upper granular unit (perched aquifer).
LGU = lower granular unit.
rock = bedrock and lower granular unit.
A gradient approaching 1 is indicative of the gradient between the perched aquifer and the bedrock aquifer.

FIGURES



LEGEND

SAMPLE AND MONITORING LOCATIONS

- BEDROCK BORING
- GW COLLECTION SUMP (GWC)
- GW EXTRACTION WELL (EW)
- GW OBSERVATION WELL (OW)
- LEACHATE HEAD WELL (LH)
- LEACHATE WITHDRAWL WELL (LW)
- MONITORING WELL (RM)
- RESIDENTIAL WELL (GW)

LANDFILL AREA

NOTES

1. AERIAL IMAGERY FROM USDA – NATIONAL AGRICULTURE IMAGERY PROGRAM 2005.
2. MAP COORDINATES REFERENCE WISCONSIN STATE PLANE, SOUTH ZONE, NAD 83, US SURVEY FOOT.

N

0 1,000 FEET

1 " EQUALS 1,000 '

1:12,000

PROJECT: **LEMBERGER LANDFILL AND LEMBERGER TRANSPORT AND RECYCLING SITES TOWN OF FRANKLIN, WISCONSIN**

SHEET TITLE: **MNA DEMONSTRATION STUDY SITE PLAN SHOWING ALL MONITORING POINTS**

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CHECKED BY:	CLAUSEN T		AS NOTED	FILE NO:	34574407.mxd
APPROVED BY:	WEDEKIND J	DATE PRINTED:			
DATE:	AUGUST 2008		8/11/2008		

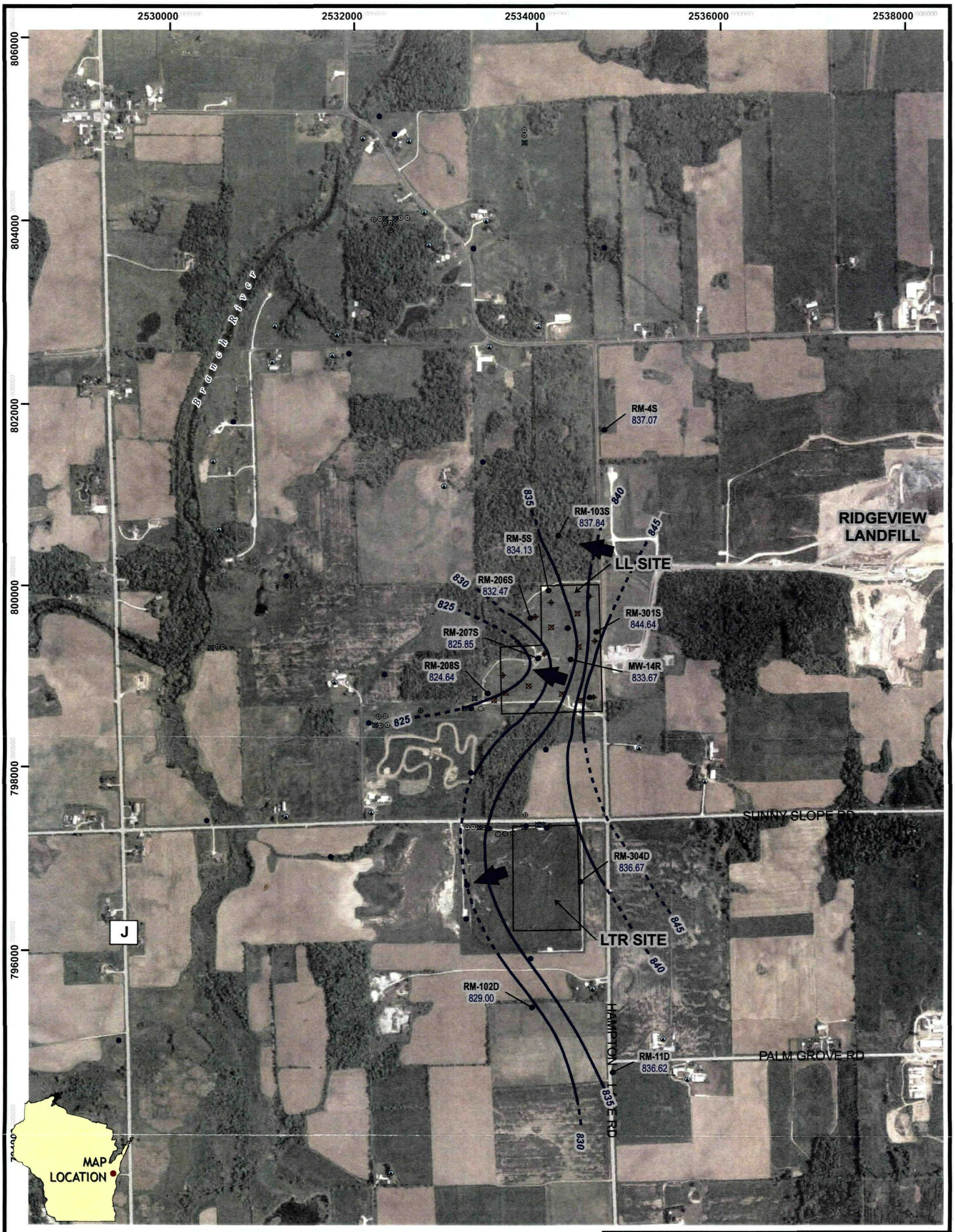
FIGURE 1

RMT

744 Heartland Trail
Madison, WI 53717-1934

P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

D:\03457\44\mxd\34574407.mxd 8/11/2008 08:25:49



LEGEND

SAMPLE AND MONITORING LOCATIONS

- BEDROCK BORING
- GW COLLECTION SUMP (GWC)
- GW EXTRACTION WELL (EW)
- GW OBSERVATION WELL (OW)
- LEACHATE HEAD WELL (LH)
- LEACHATE WITHDRAWL WELL (LW)
- MONITORING WELL (RM)
- RESIDENTIAL WELL (GW)
- LANDFILL AREA

INFERRED GROUNDWATER FLOW DIRECTION

PERCHED WATER TABLE WELL LOCATION AND WATER TABLE ELEVATIONS (FT MSL)

RM-11D
(842.33)

Elevation Contour FT MSL.
2 FT Contour Interval
(Dashed Where Inferred)

801

N

NOTES

1. AERIAL IMAGERY FROM USDA – NATIONAL AGRICULTURE IMAGERY PROGRAM 2005.
2. MAP COORDINATES ARE WISCONSIN STATE PLANE, SOUTH ZONE, NAD 83, US SURVEY FOOT.
3. WATER ELEVATIONS MEASURED DECEMBER 18, 2007.

0 1,000 FEET

1" EQUALS 1,000'
1:12,000

PROJECT: **LEMBERGER LANDFILL AND LEMBERGER TRANSPORT AND RECYCLING SITES TOWN OF FRANKLIN, WISCONSIN**

SHEET TITLE: **PERCHED WATER TABLE DECEMBER 2007**

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CHECKED BY:	CLAUSEN T			FILE NO.	34574402.mxd
APPROVED BY:	WEDEKIND J	DATE PRINTED:	8/11/2008	**FIGURE 2**	
DATE:	AUGUST 2008				

RMT
744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

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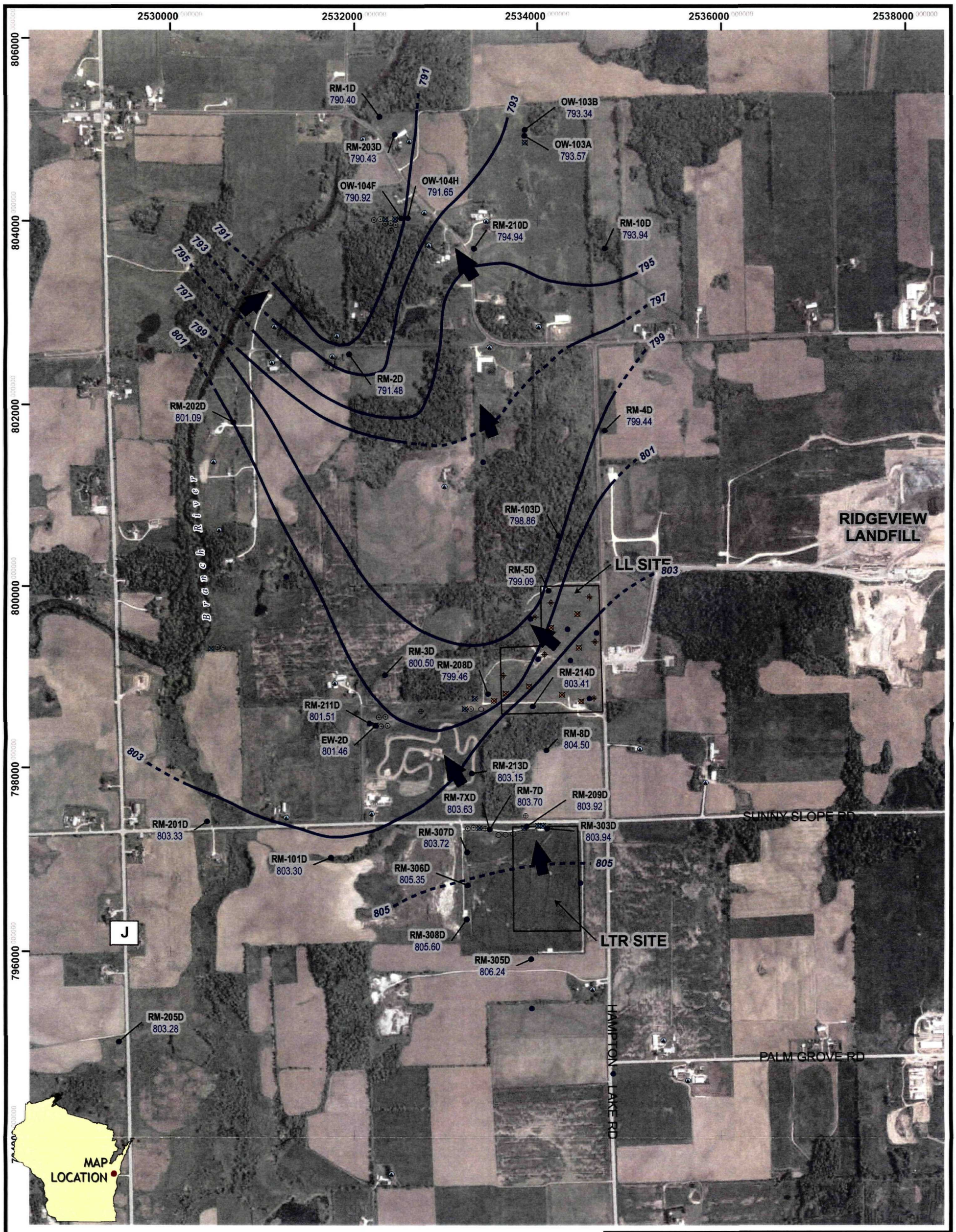

LEGEND

SAMPLE AND MONITORING LOCATIONS

- BEDROCK BORING
- GW COLLECTION SUMP (GWC)
- GW EXTRACTION WELL (EW)
- GW OBSERVATION WELL (OW)
- LEACHATE HEAD WELL (LH)
- LEACHATE WITHDRAWL WELL (LW)
- MONITORING WELL (RM)
- RESIDENTIAL WELL (GW)
- LANDFILL AREA

INFERRED GROUNDWATER FLOW DIRECTION

BEDROCK LOCATION AND GROUNDWATER ELEVATIONS (FT MSL)

RM-205D
(804.83)

Elevation Contour FT MSL.
2 FT Contour Interval
(Dashed Where Inferred)

801

N

NOTES

1. AERIAL IMAGERY FROM USDA – NATIONAL AGRICULTURE IMAGERY PROGRAM 2005.
2. MAP COORDINATES ARE WISCONSIN STATE PLANE, SOUTH ZONE, NAD 83, US SURVEY FOOT.
3. WATER ELEVATIONS MEASURED DECEMBER 18, 2007.
4. THE MAPPED POTENTIOMETRIC SURFACE INCLUDES BEDROCK WATER TABLE OBSERVATION WELLS (SOUTH AND EAST) AND BEDROCK PIEZOMETERS (NORTH AND WEST).

0 1,000 FEET 1:12,000
1 " EQUALS 1,000 '

PROJECT: **LEMBERGER LANDFILL AND LEMBERGER TRANSPORT AND RECYCLING SITES TOWN OF FRANKLIN, WISCONSIN**

SHEET TITLE: **POTENTIOMETRIC SURFACE ELEVATION BEDROCK UNIT DECEMBER 2007**

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CHECKED BY:	CLAUSEN T	AS NOTED		FILE NO.	34574404.mxd
APPROVED BY:	WEDEKIND J	DATE PRINTED:		**FIGURE 3**	
DATE:	AUGUST 2008	8/11/2008			

RMT
744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

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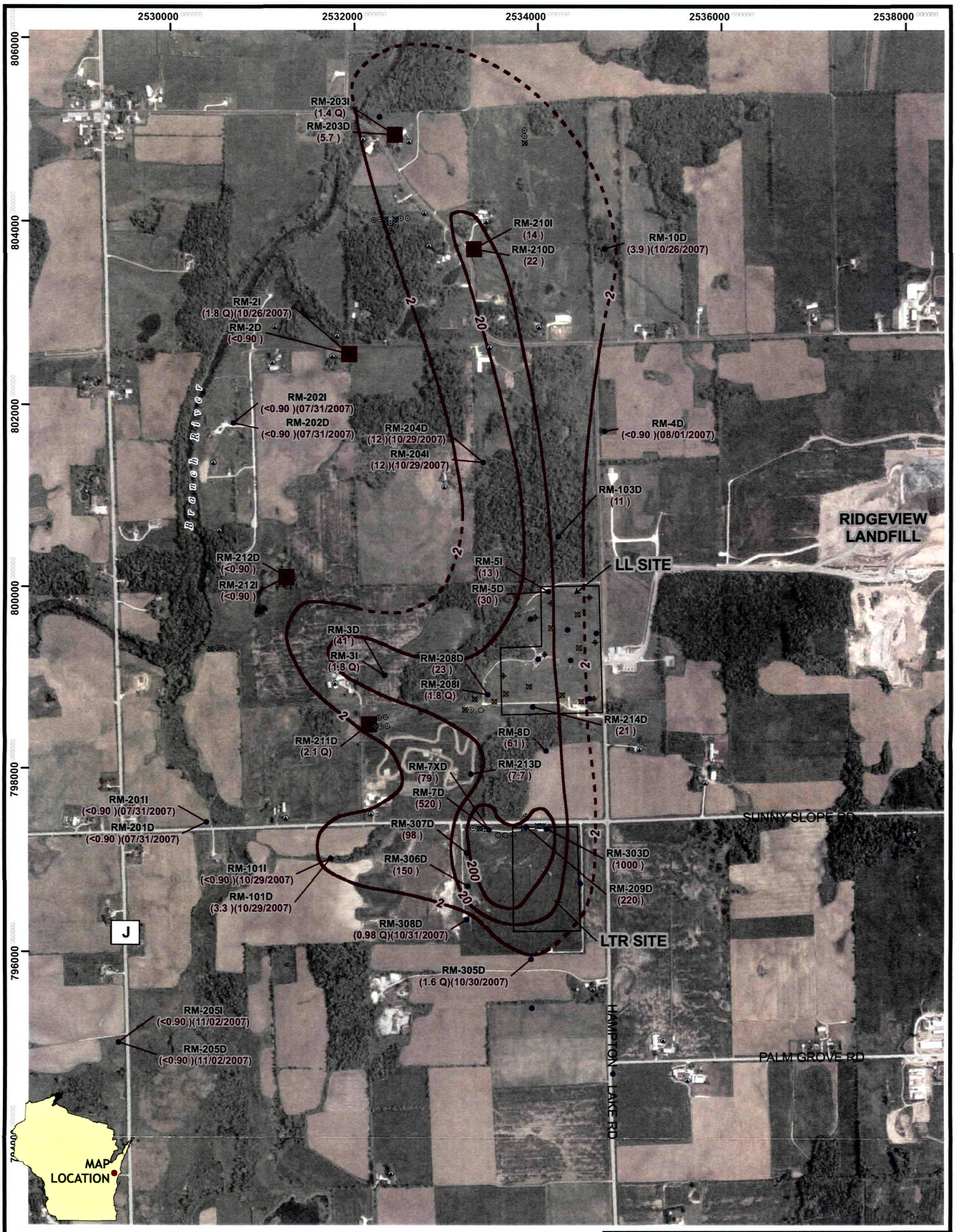


LEGEND

SAMPLE AND MONITORING LOCATIONS

- BEDROCK BORING
- GW COLLECTION SUMP (GWC)
- GW EXTRACTION WELL (EW)
- GW OBSERVATION WELL (OW)
- LEACHATE HEAD WELL (LH)
- LEACHATE WITHDRAWL WELL (LW)
- MONITORING WELL (RM)
- RESIDENTIAL WELL (GW)
- LANDFILL AREA

—20— TCA ISO-CONCENTRATION *(DASHED WHERE INFERRED)*

TCA SAMPLES USED FOR ISO-LINES
LABELS SHOW CONCENTRATION (UG/L) AND SAMPLE DATE IF SAMPLE WAS TAKEN EARLIER THAN DECEMBER/JANUARY 2007

RM-208
(825.53)

SENTINEL WELLS

NOTES

1. AERIAL IMAGERY FROM USDA – NATIONAL AGRICULTURE IMAGERY PROGRAM 2005.
2. MAP COORDINATES REFERENCE WISCONSIN STATE PLANE, SOUTH ZONE, NAD 83, US SURVEY FOOT.
3. SEE TABLE B-5 FOR A LIST OF LAB AND DATA QUALIFIER CODES (Q = RESULT IS BETWEEN THE LOD AND LOQ).
4. TCA WAS NOT DETECTED IN RESIDENTIAL WELL SAMPLES DURING THE REPORTING PERIOD; RESIDENTIAL WELL RESULTS ARE NOT USED FOR CONTOURING.

N

0 1,000 FEET

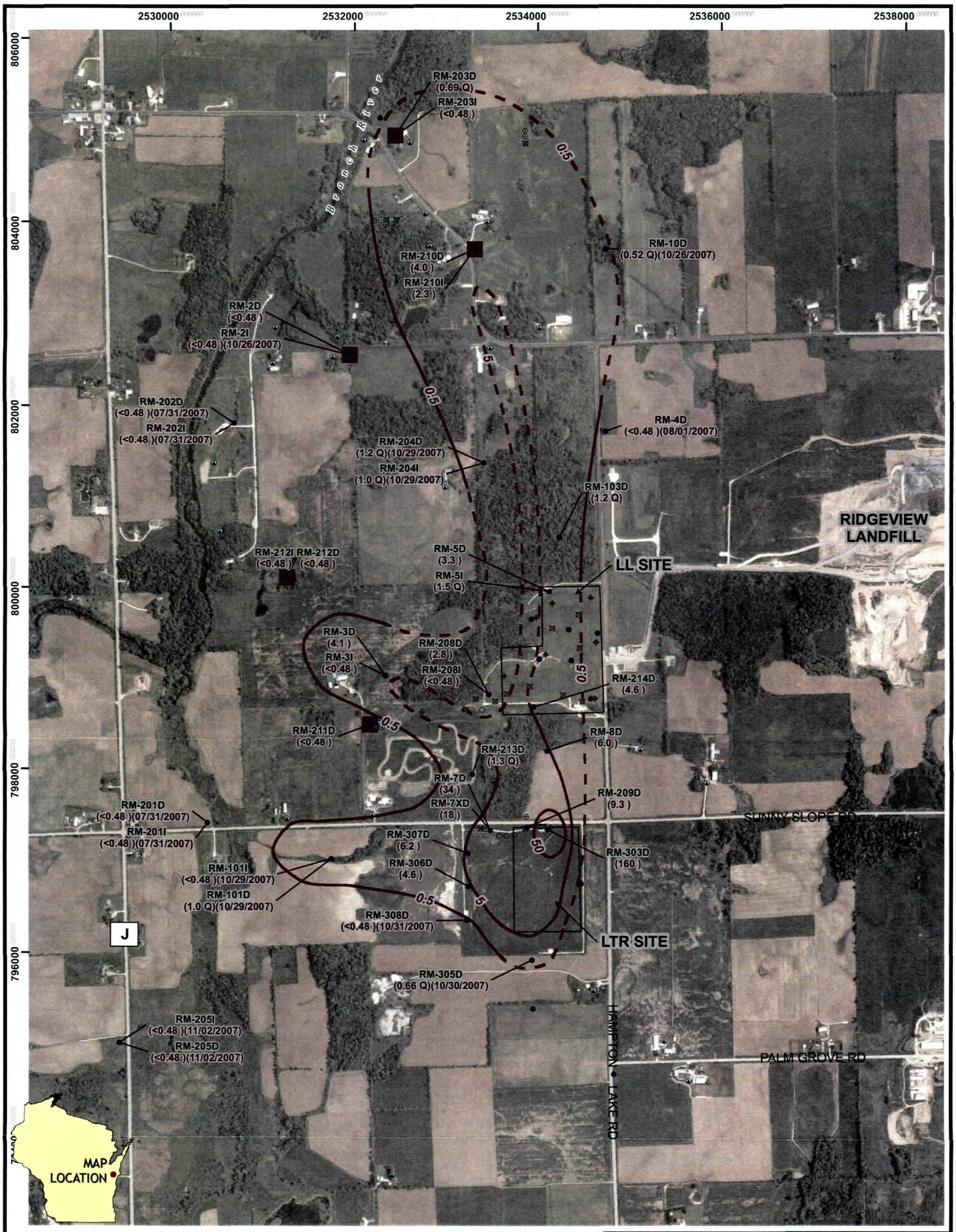
1" EQUALS 1,000'
1:12,000

PROJECT:	LEMBERGER LANDFILL AND LEMBERGER TRANSPORT AND RECYCLING SITES TOWN OF FRANKLIN, WISCONSIN		
SHEET TITLE:	1,1,1-TRICHLOROETHANE ISO-CONCENTRATIONS (UG/L) DECEMBER 2007 / JANUARY 2008		
DRAWN BY: HANKLEY C	SCALE:	PROJ. NO.	00-03456.44
CHECKED BY: CLAUSEN T	AS NOTED	FILE NO.	34574405.mxd
APPROVED BY: WEDEKIND J	DATE PRINTED:	FIGURE 4	
DATE: AUGUST 2008	8/11/2008		

RMT

744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

D:\03457\44\mxd\34574405.mxd 8/11/2008 08:25:56



LEGEND

SAMPLE AND MONITORING LOCATIONS

- BEDROCK BORING
- GW COLLECTION SUMP (GWC)
- GW EXTRACTION WELL (EW)
- GW OBSERVATION WELL (OW)
- LEACHATE HEAD WELL (LH)
- LEACHATE WITHDRAWL WELL (LW)
- MONITORING WELL (RM)
- RESIDENTIAL WELL (GW)
- SENTINEL WELLS

—5— TCE ISO-CONCENTRATION *(DASHED WHERE INFERRED)*

TCE SAMPLES USED FOR ISO-LINES
LABELS SHOW CONCENTRATION (UG/L) AND SAMPLE DATE IF SAMPLE WAS TAKEN EARLIER THAN DECEMBER/JANUARY 2007

RM-212D
(<0.48)

LANDFILL AREA

NOTES

1. AERIAL IMAGERY FROM USDA – NATIONAL AGRICULTURE IMAGERY PROGRAM 2005.
2. MAP COORDINATES REFERENCE WISCONSIN STATE PLANE, SOUTH ZONE, NAD 83, US SURVEY FOOT.
3. SEE TABLE B-5 FOR A LIST OF LAB AND DATA QUALIFIER CODES (Q = RESULT IS BETWEEN THE LOD AND LOQ).
4. TCE WAS NOT DETECTED IN RESIDENTIAL WELL SAMPLES DURING THE REPORTING PERIOD; RESIDENTIAL WELL RESULTS ARE NOT USED FOR CONTOURING.

N

0 1,000 FEET

1 " EQUALS 1,000 '
1:12,000

PROJECT:	LEMBERGER LANDFILL AND LEMBERGER TRANSPORT AND RECYCLING SITES TOWN OF FRANKLIN, WISCONSIN		
SHEET TITLE:	TRICHLOROETHENE ISO-CONCENTRATIONS (UG/L) DECEMBER 2007 / JANUARY 2008		
DRAWN BY: HANKLEY C	SCALE: AS NOTED	PROJ. NO. 00-03456.44	
CHECKED BY: CLAUSEN T		FILE NO. 34574406.mxd	
APPROVED BY: WEDEKIND J	DATE PRINTED: 8/11/2008	FIGURE 5	
DATE: AUGUST 2008			

RMT

744 Heartland Trail
Madison, WI 53717-1934

P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

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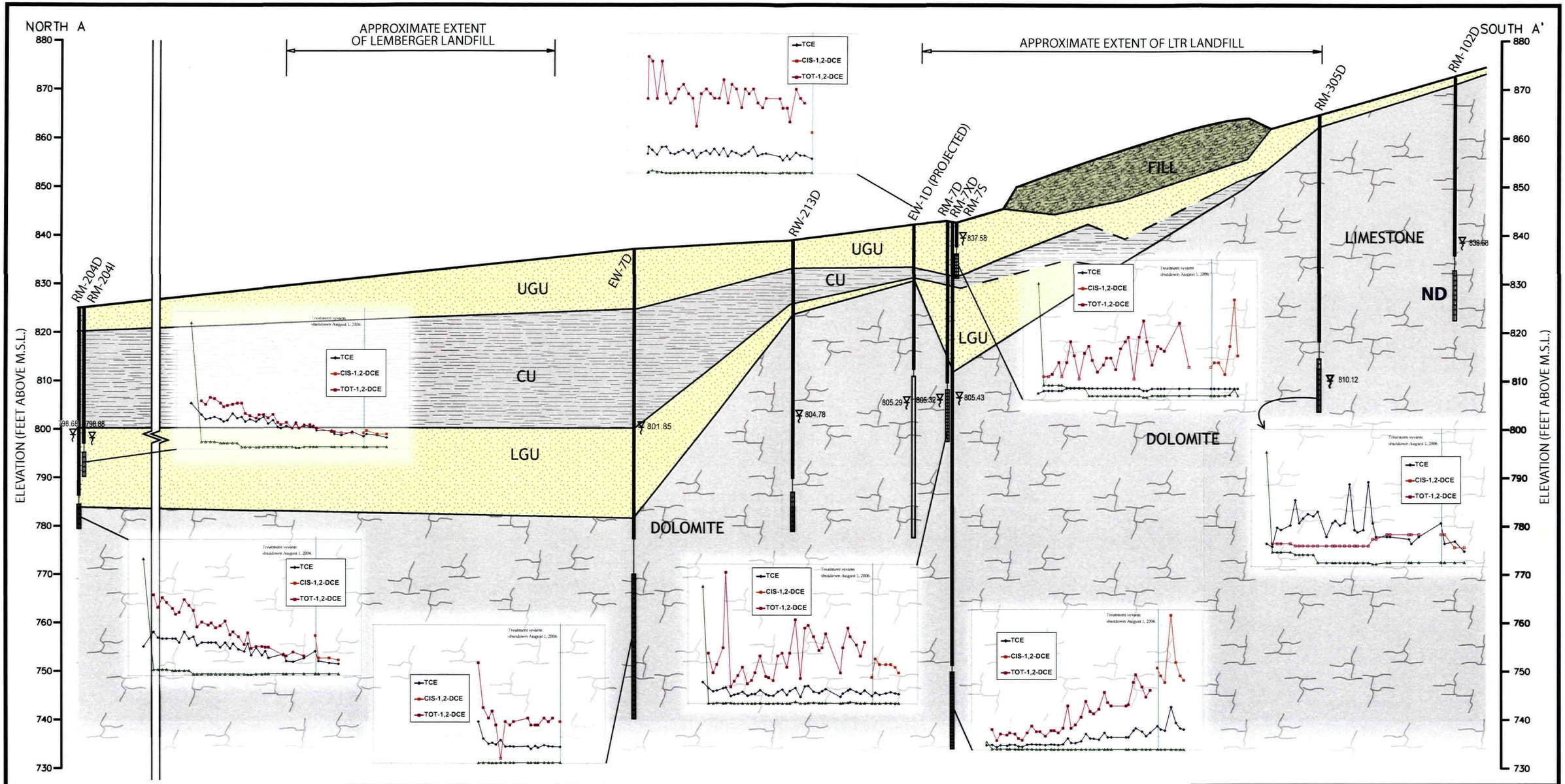

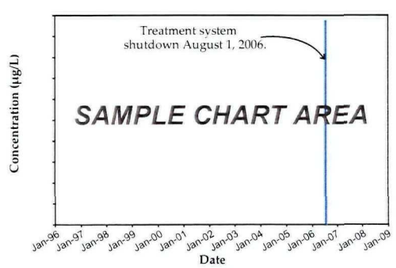

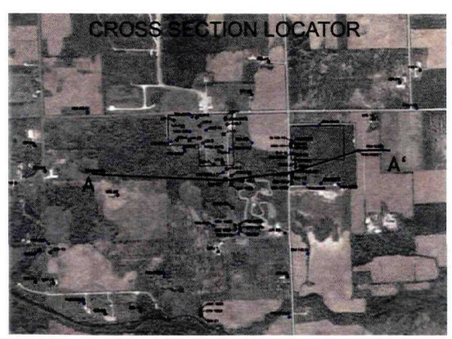

LEGEND

STRATIGRAPHIC BOUNDARY, DASHED WHERE INFERRED

801.85 WATER LEVEL ELEVATION (FEET, MSL) SEPTEMBER 2006

WELL CONSTRUCTION

- WELL SEAL
- WELL CASING
- WELL SCREEN
- OPEN HOLE (NO SCREEN)

UGU UPPER GRANULAR UNIT

CU COHESIVE UNIT

LGU LOWER GRANULAR UNIT

PROJECT: **LEMBERGER LANDFILL AND LEMBERGER TRANSPORT AND RECYCLING SITE TOWN OF FRANKLIN, WISCONSIN**

SHEET TITLE: **DISTRIBUTION AND TRENDS OF CONCENTRATIONS OF TCE (MAY 2008)**

DRAWN BY:	PAPEZ J	SCALE:		PROJ. NO.	00-003456.44
CHECKED BY:	CLAUSEN T		AS NOTED	FILE NO.	345744XSEC1TCE.ai
APPROVED BY:	WEDEKIND J	DATE PRINTED:		**FIGURE 6A**	
DATE:	AUGUST 2008		8/11/2008		

RMT

744 Heartland Trail
Madison, WI 53717-1934

P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

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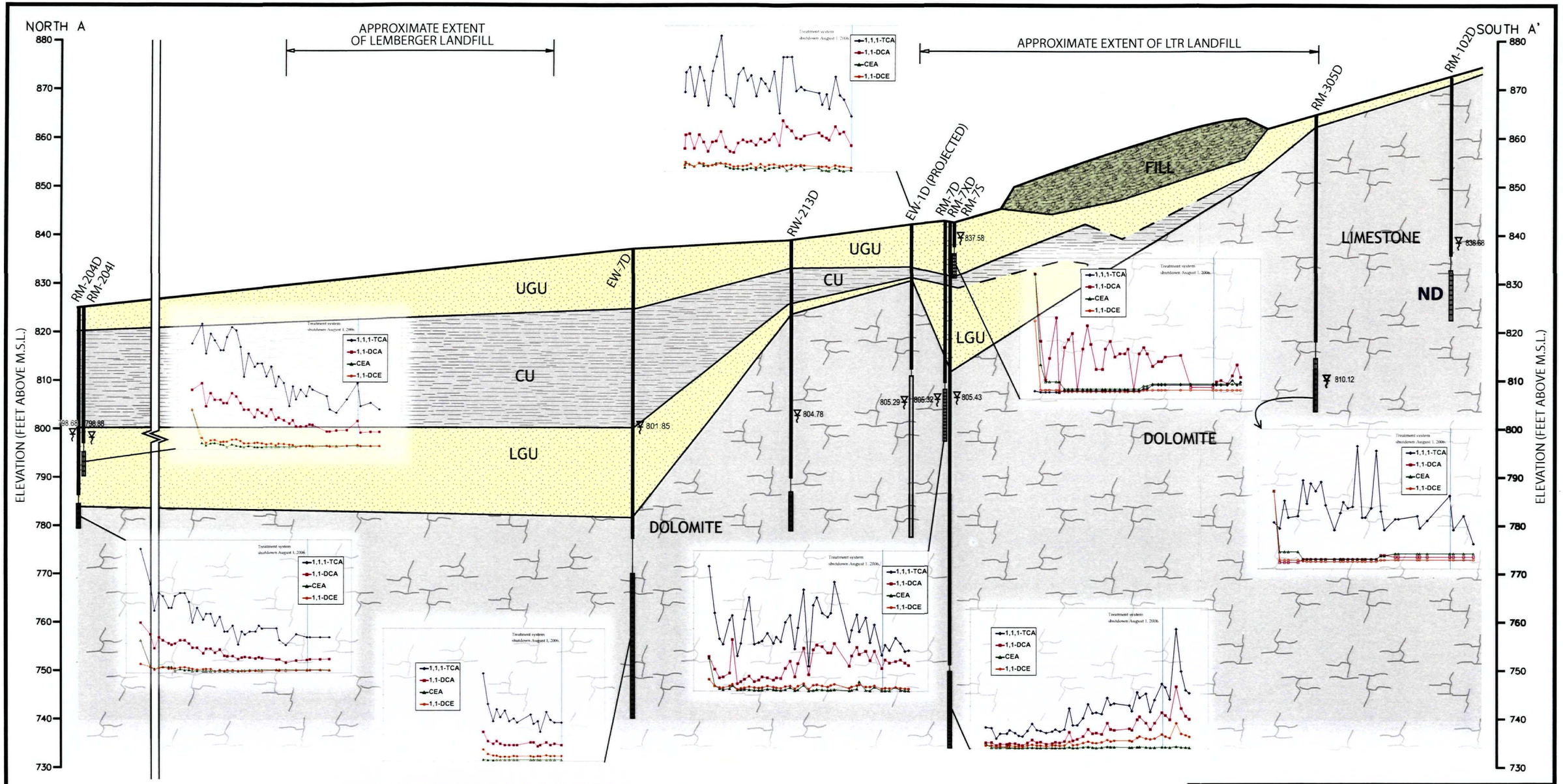

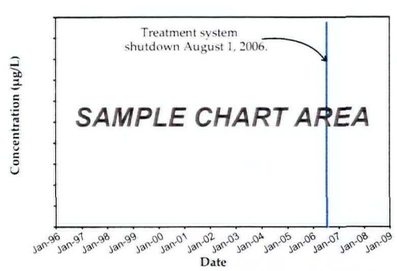

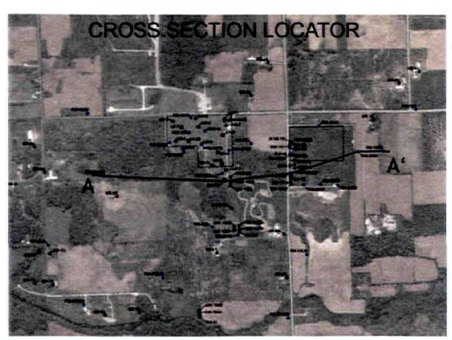

LEGEND

STRATIGRAPHIC BOUNDARY, DASHED WHERE INFERRED

801.85 WATER LEVEL ELEVATION (FEET, MSL) SEPTEMBER 2006

WELL CONSTRUCTION

- WELL SEAL
- WELL CASING
- WELL SCREEN
- OPEN HOLE (NO SCREEN)

UGU UPPER GRANULAR UNIT
CU COHESIVE UNIT
LGU LOWER GRANULAR UNIT

PROJECT: **LEMBERGER LANDFILL AND LEMBERGER TRANSPORT AND RECYCLING SITE TOWN OF FRANKLIN, WISCONSIN**

SHEET TITLE: **DISTRIBUTION AND TRENDS OF CONCENTRATIONS OF 1,1,1-TCA (MAY 2008)**

DRAWN BY: PAPEZ J.	SCALE:	PROJ. NO.	00-003457.44
CHECKED BY: CLAUSEN T.	AS NOTED	FILE NO.	345744XSEC1TCA.ai
APPROVED BY: WEDEKIND J.	DATE PRINTED:	**FIGURE 6B**	
DATE: AUGUST 2008	8/11/2008		

RMT
744 Heartland Trail
Madison, WI 53717-1934
P.O. Box 8923 53708-8923
Phone: 608-831-4444
Fax: 608-831-3334

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PLOT DATA
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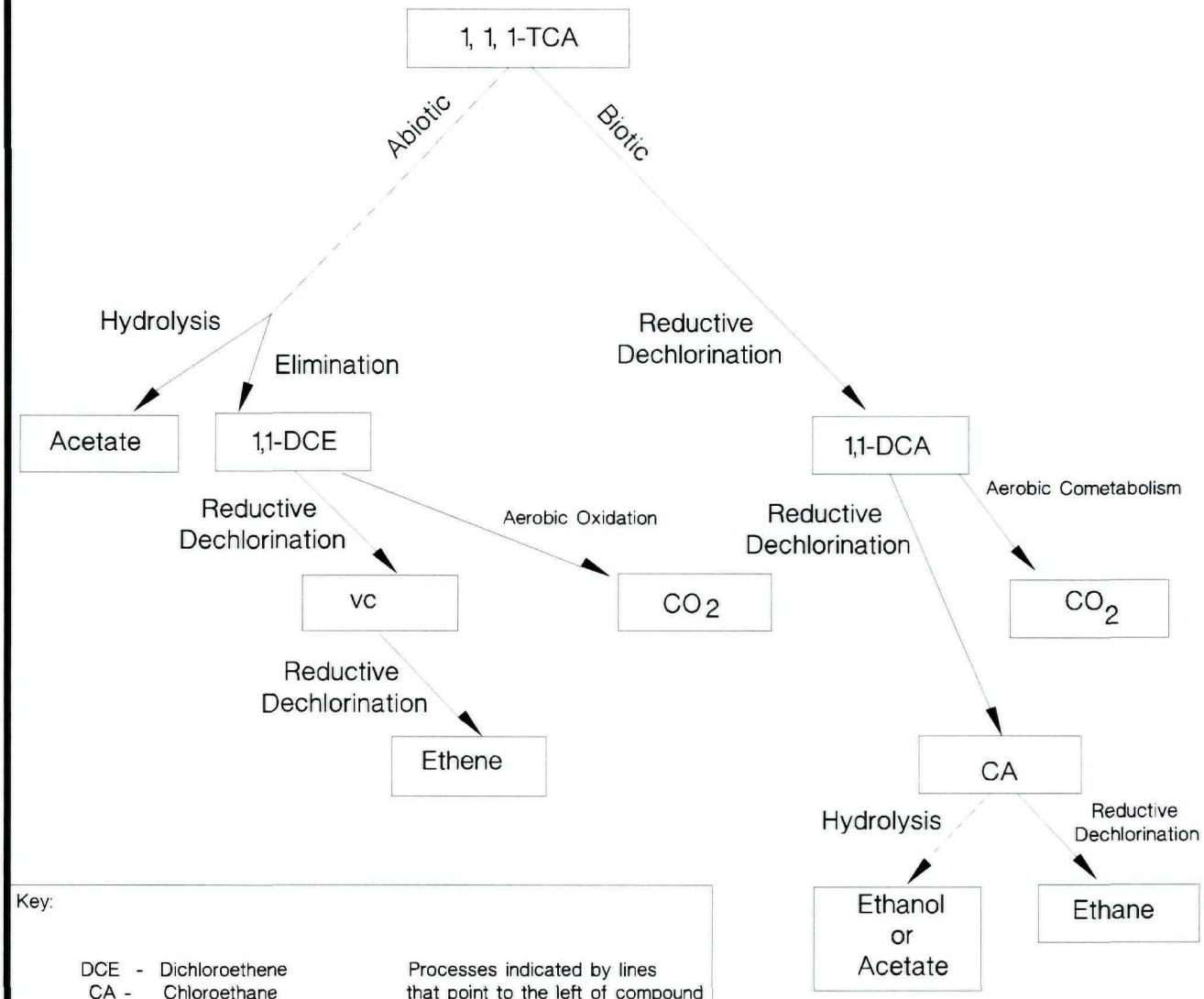
Operator Name: x Scale: x



Key:

DCE - Dichloroethene
CA - Chloroethane
TCE - Trichloroehtene
VC - Vinyl Chloride

Processes indicated by lines that point to the left of compound are abiotic chemical reactions, while those that point to the right nvolve biotic degradation.

Reference: US EPA [1998]

RMT

LEMBERGER LANDFILL AND
LEMBERGER TRANSPORT AND RECYCLING SITE
TOWN OF FRANKLIN, WISCONSIN

COMMON DEGRADATION PATHWAYS
FOR CHLORINATED ETHANES
FIGURE 7

DRAWN BY:	FITZGERALD
APPROVED BY:	J. WEDEKIND
PROJECT NO.	00.003456.44
FILE NO.	034564403.DWG
DATE:	AUGUST 2008

PLOT DATA
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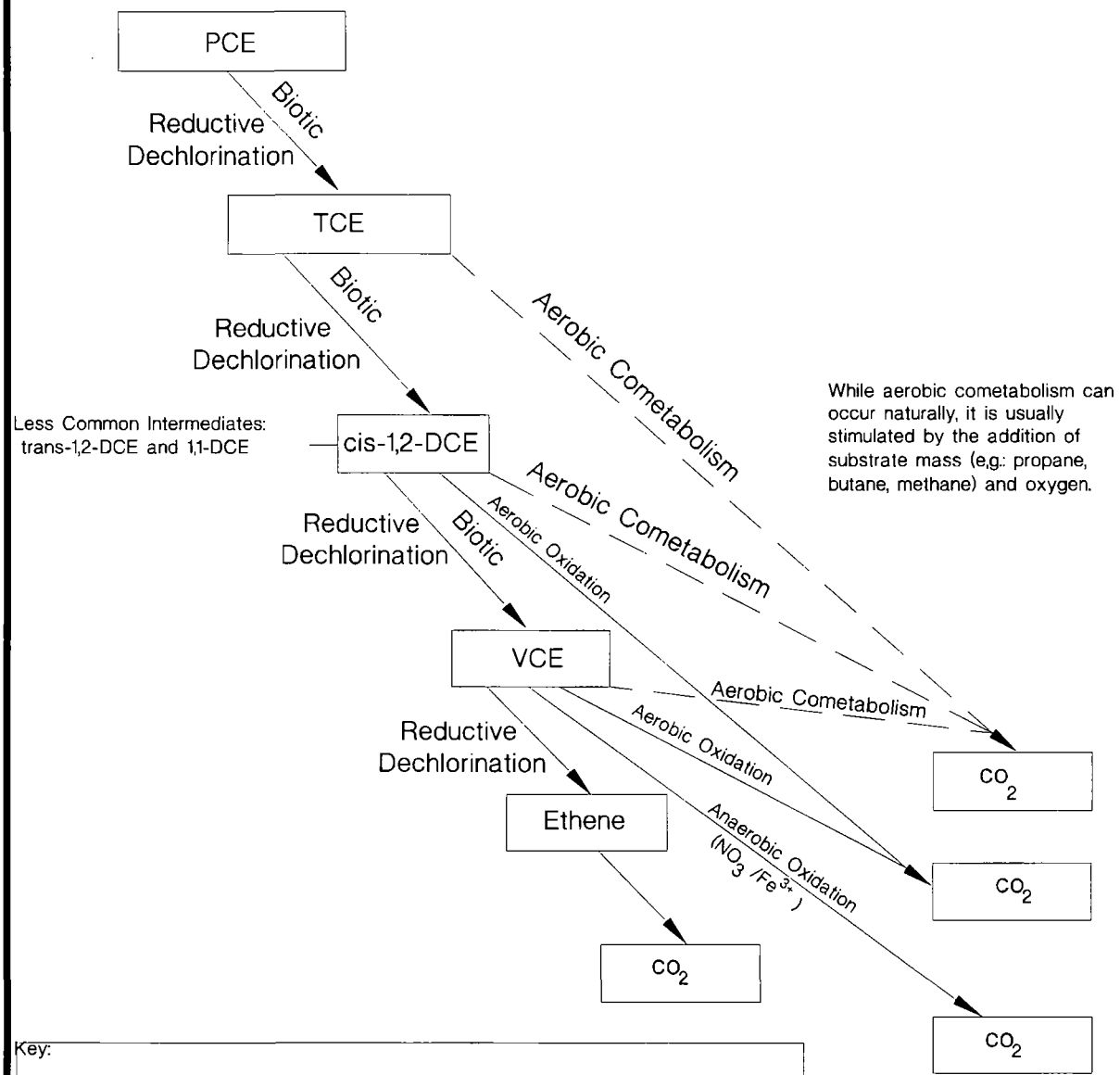
Operator Name: x Scale: x



Key:

DCE - Dichloroethene
PCE - Tetrachloroethene
TCE - Trichloroehtene
VC - Vinyl Chloride

Processes indicated by lines that point to the left of compound are abiotic chemical reactions, while those that point to the right involve biotic degradation.

Reference: US EPA [1998]

RMT

LEMBERGER LANDFILL AND LEMBERGER TRANSPORT AND RECYCLING SITES TOWN OF FRANKLIN, WISCONSIN

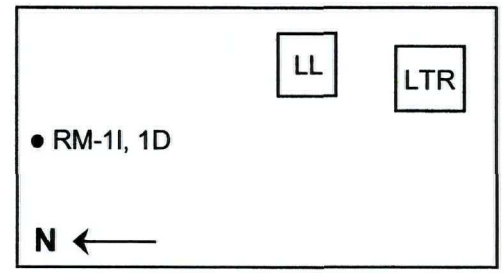
COMMON DEGRADATION PATHWAYS FOR CHLORINATED ETHENES
FIGURE 8

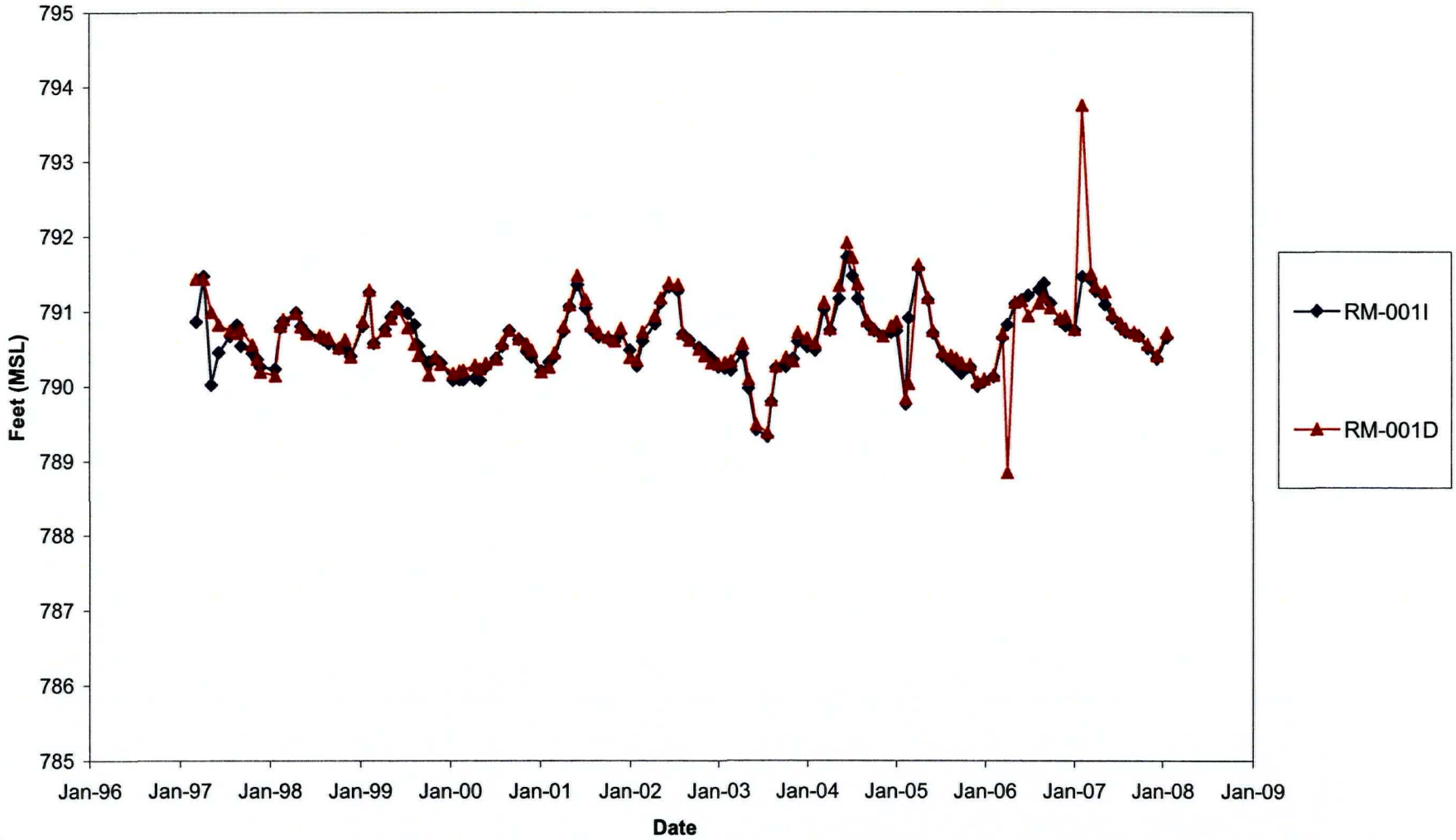
DRAWN BY:	FITZGERALD
APPROVED BY:	J. WEDEKIND
PROJECT NO.	00.003456.44
FILE NO.	034564402.DWG
DATE:	AUGUST 2008

APPENDIX A

Appendix A
Hydrographs

Groundwater Elevations Over Time
Lemberger Landfill





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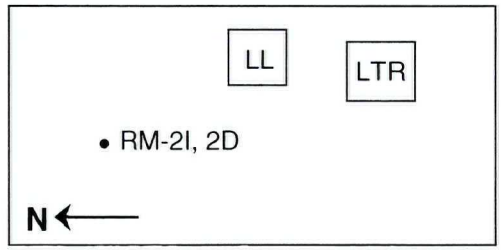
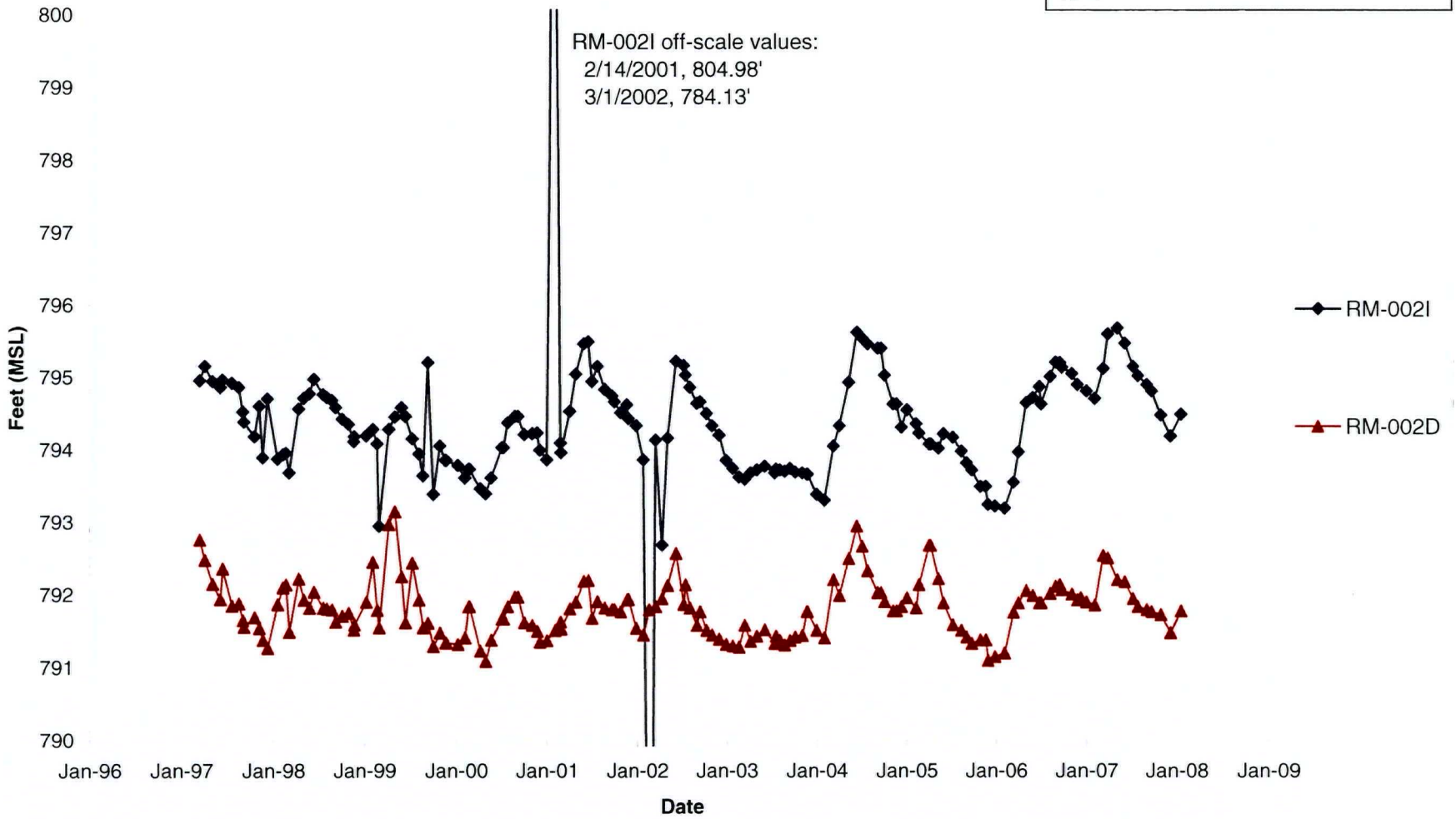
Groundwater Elevations Over Time
Lemberger Landfill





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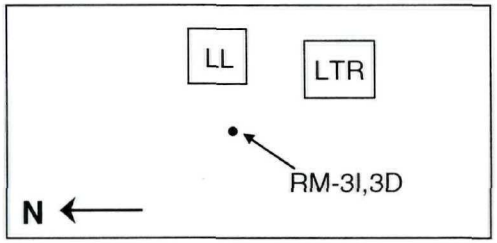
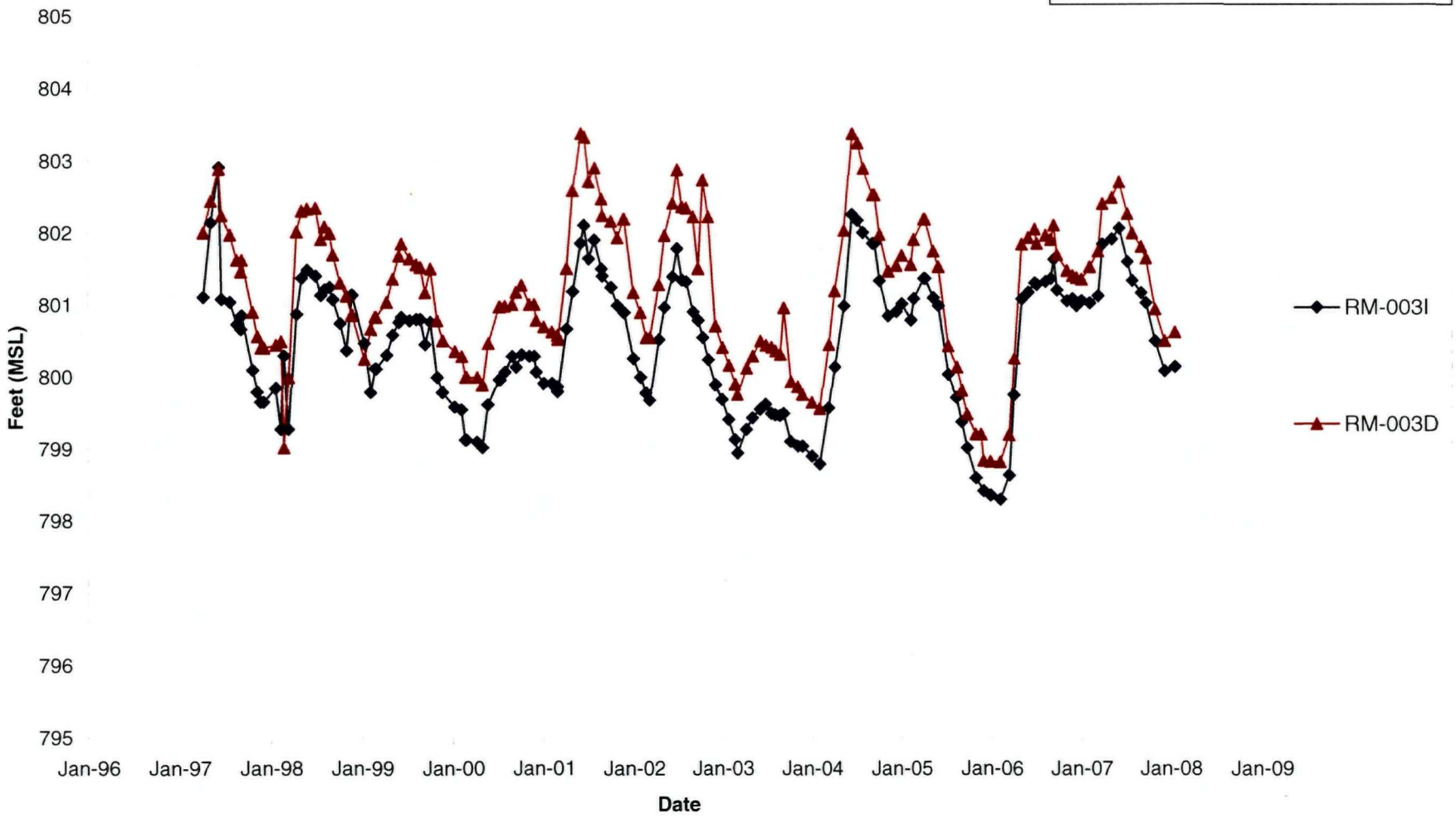
Groundwater Elevations Over Time
Lemberger Landfill





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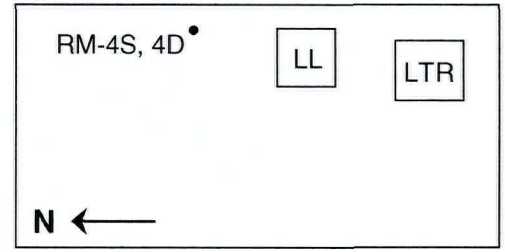
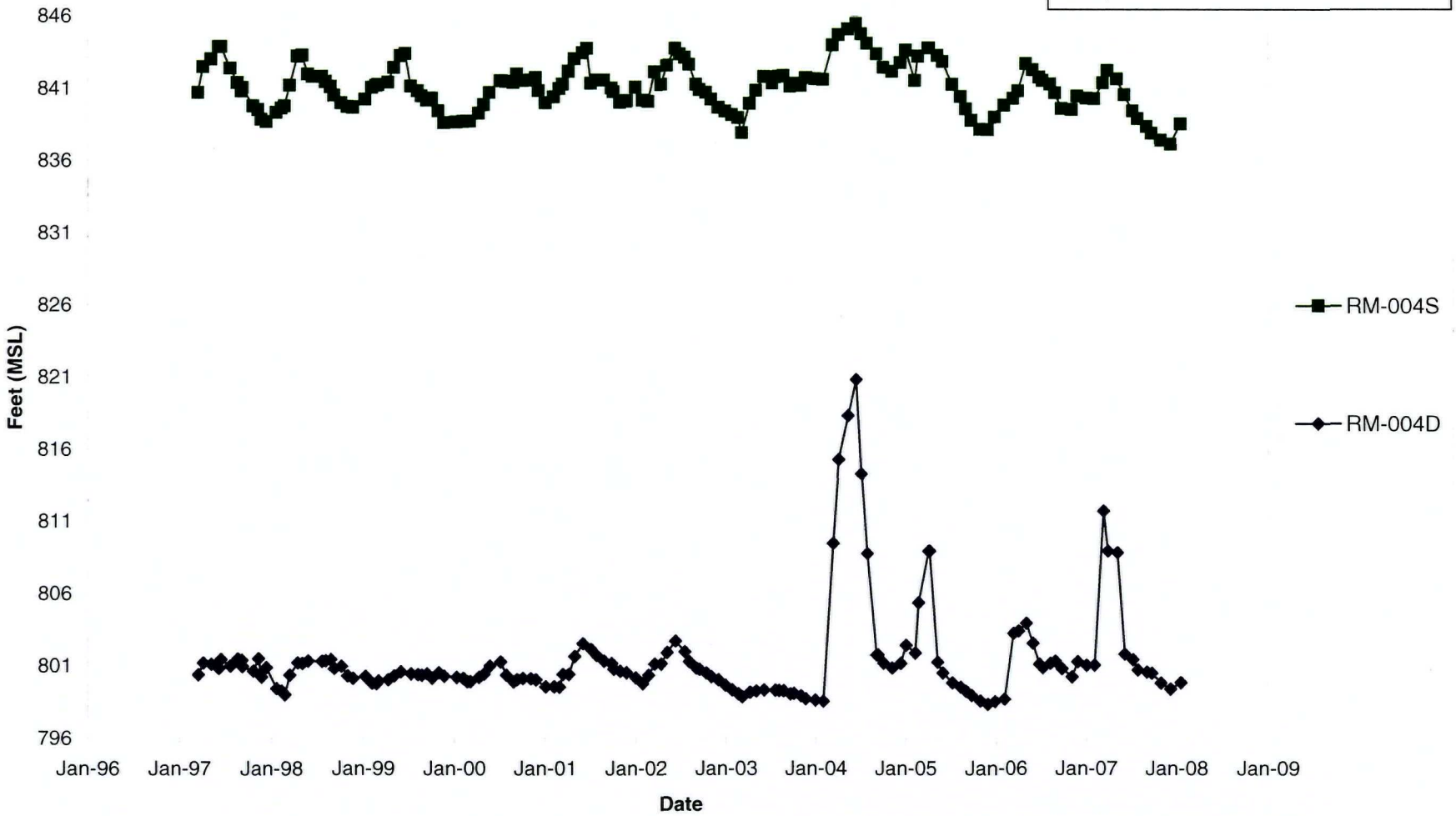
Groundwater Elevations Over Time
Lemberger Landfill





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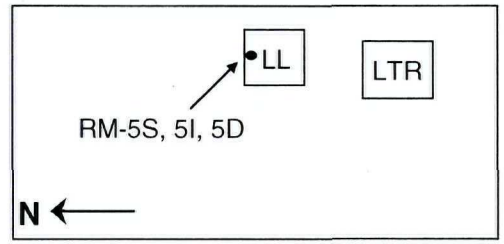
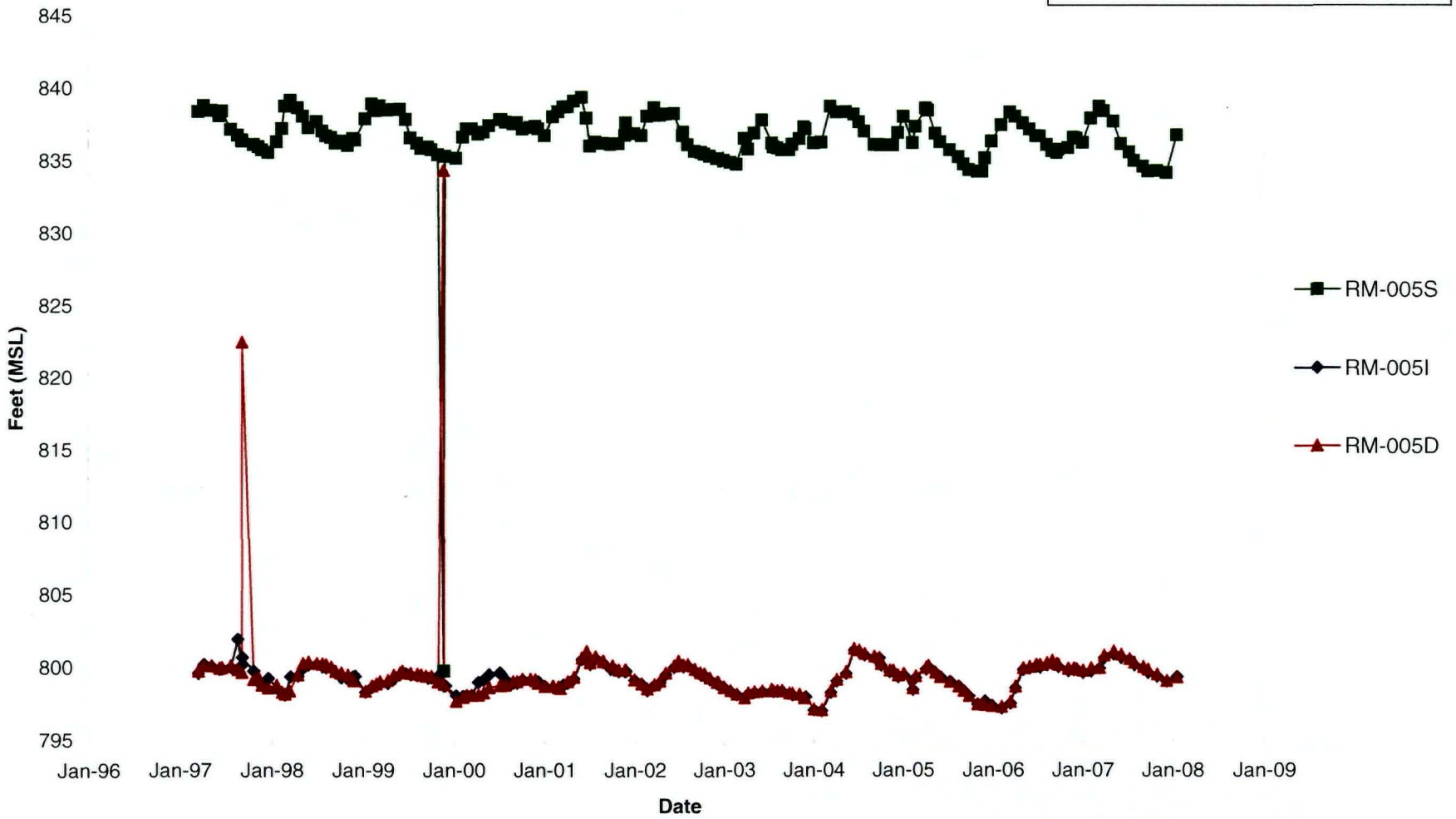
Groundwater Elevations Over Time
Lemberger Landfill





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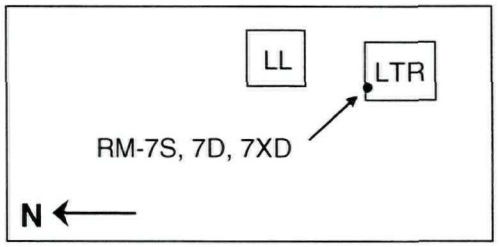
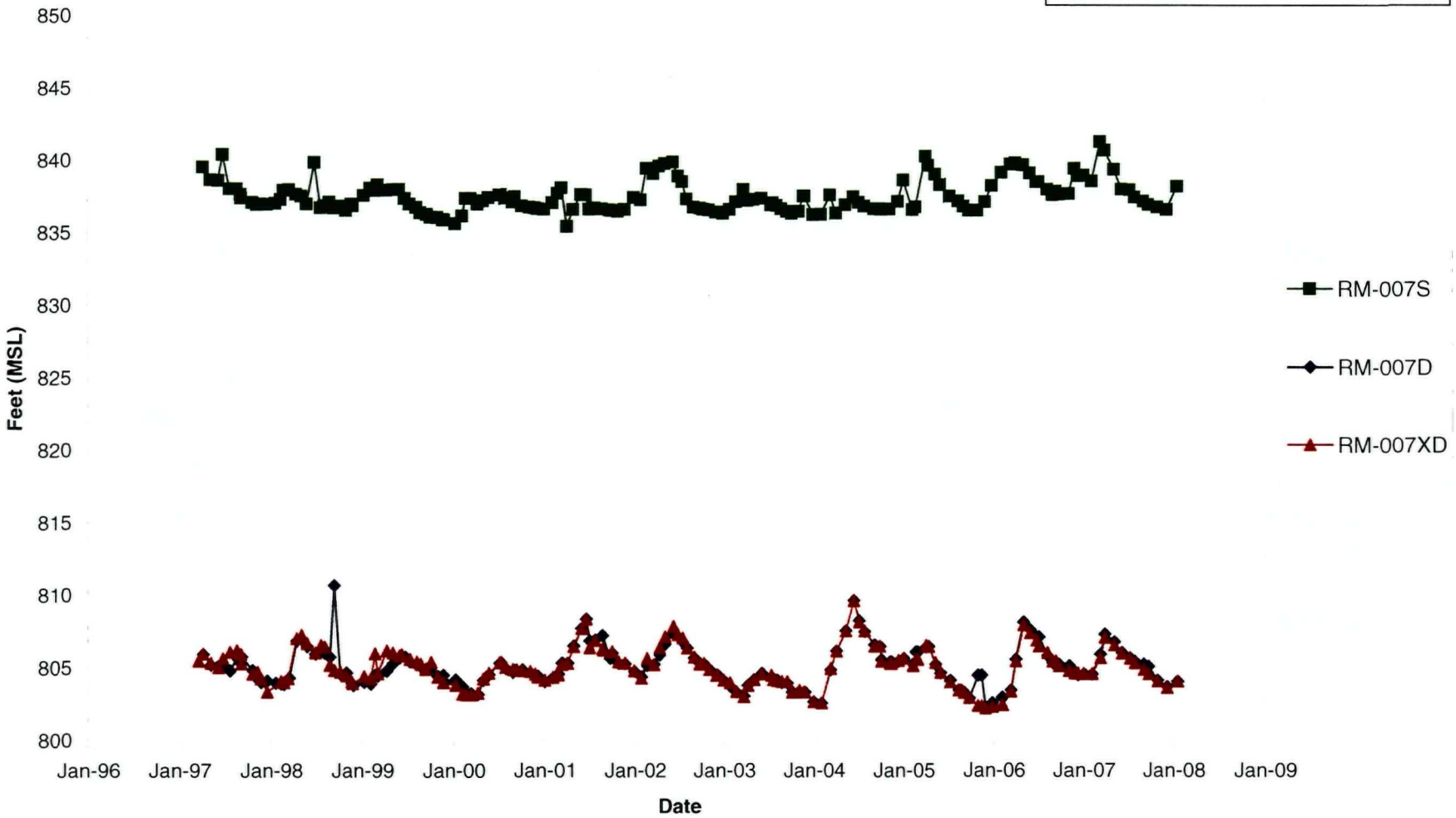
Groundwater Elevations Over Time
Lemberger Landfill





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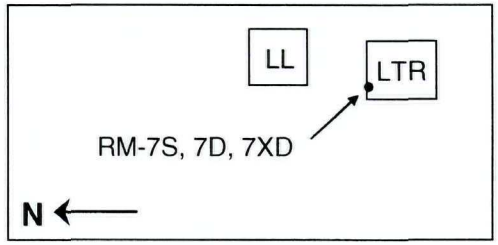
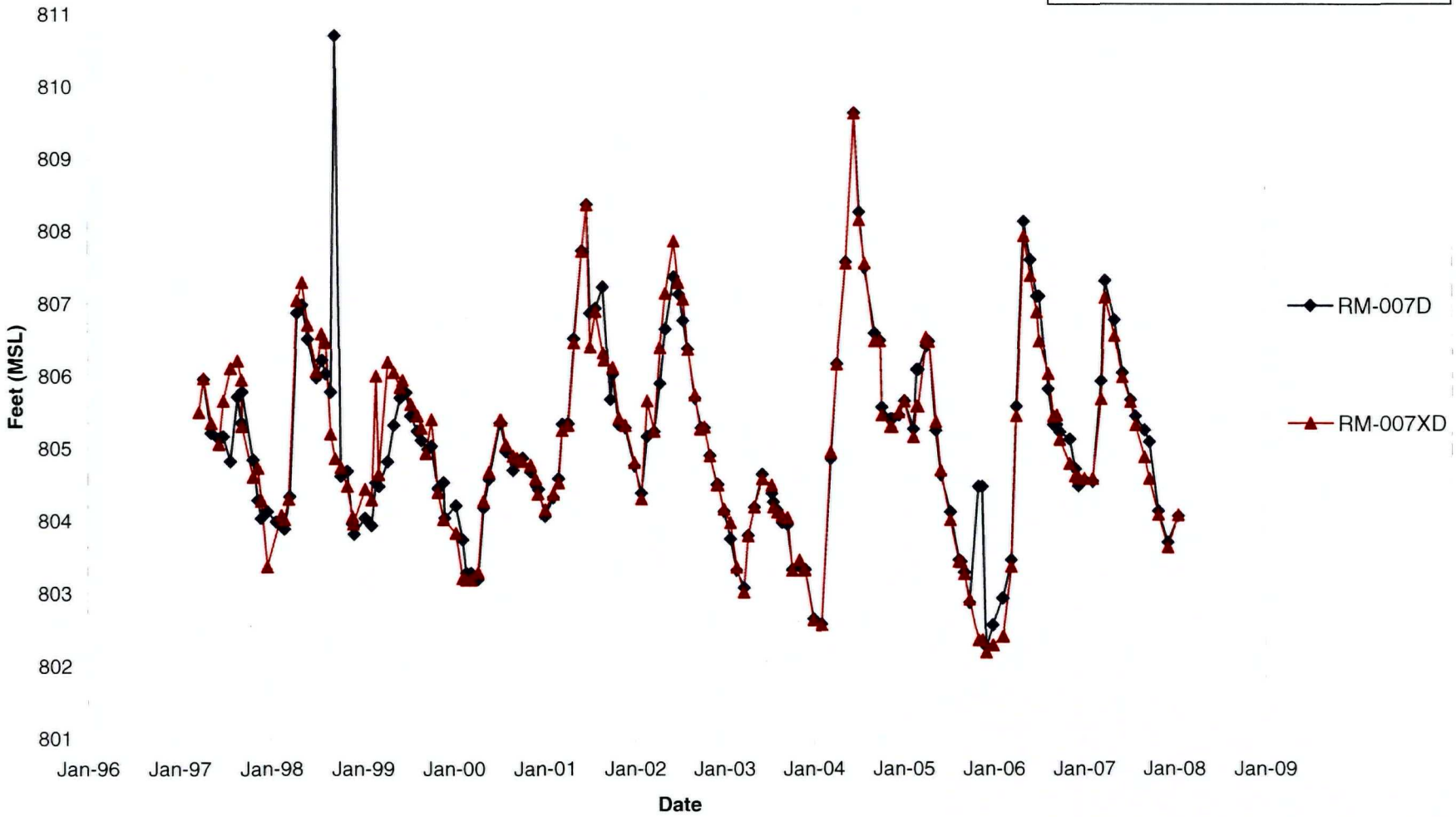
Groundwater Elevations Over Time
Lemberger Landfill





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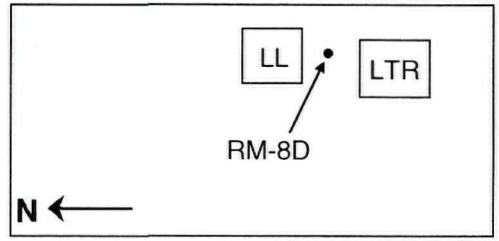
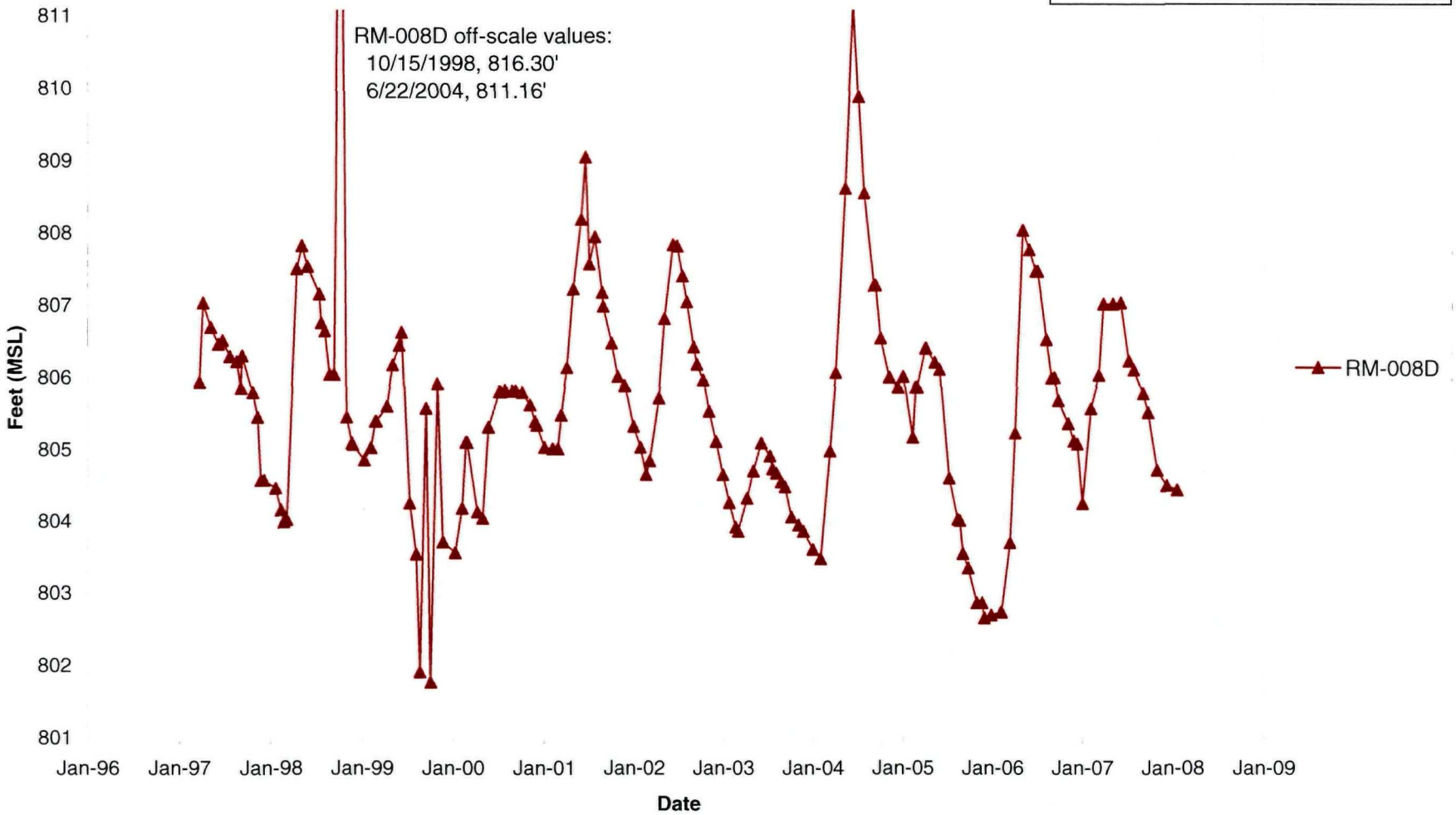
Groundwater Elevations Over Time
Lemberger Landfill





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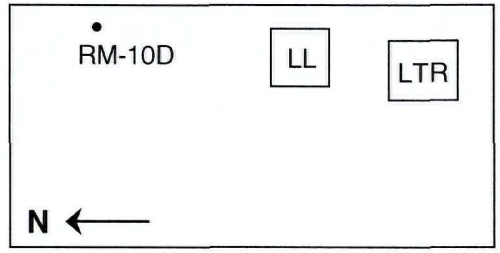
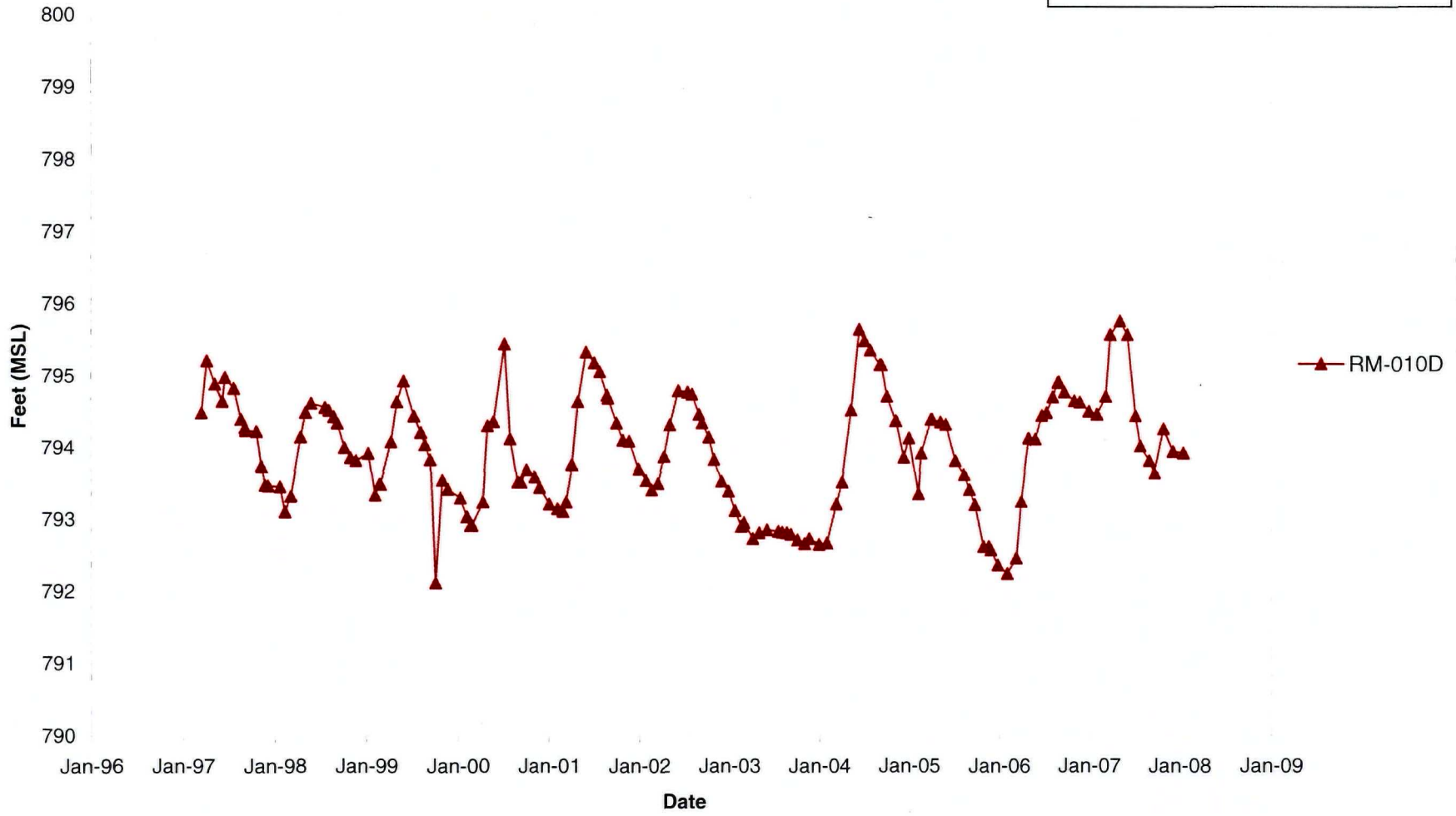
Groundwater Elevations Over Time
Lemberger Landfill





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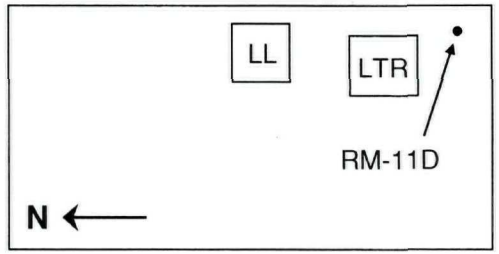
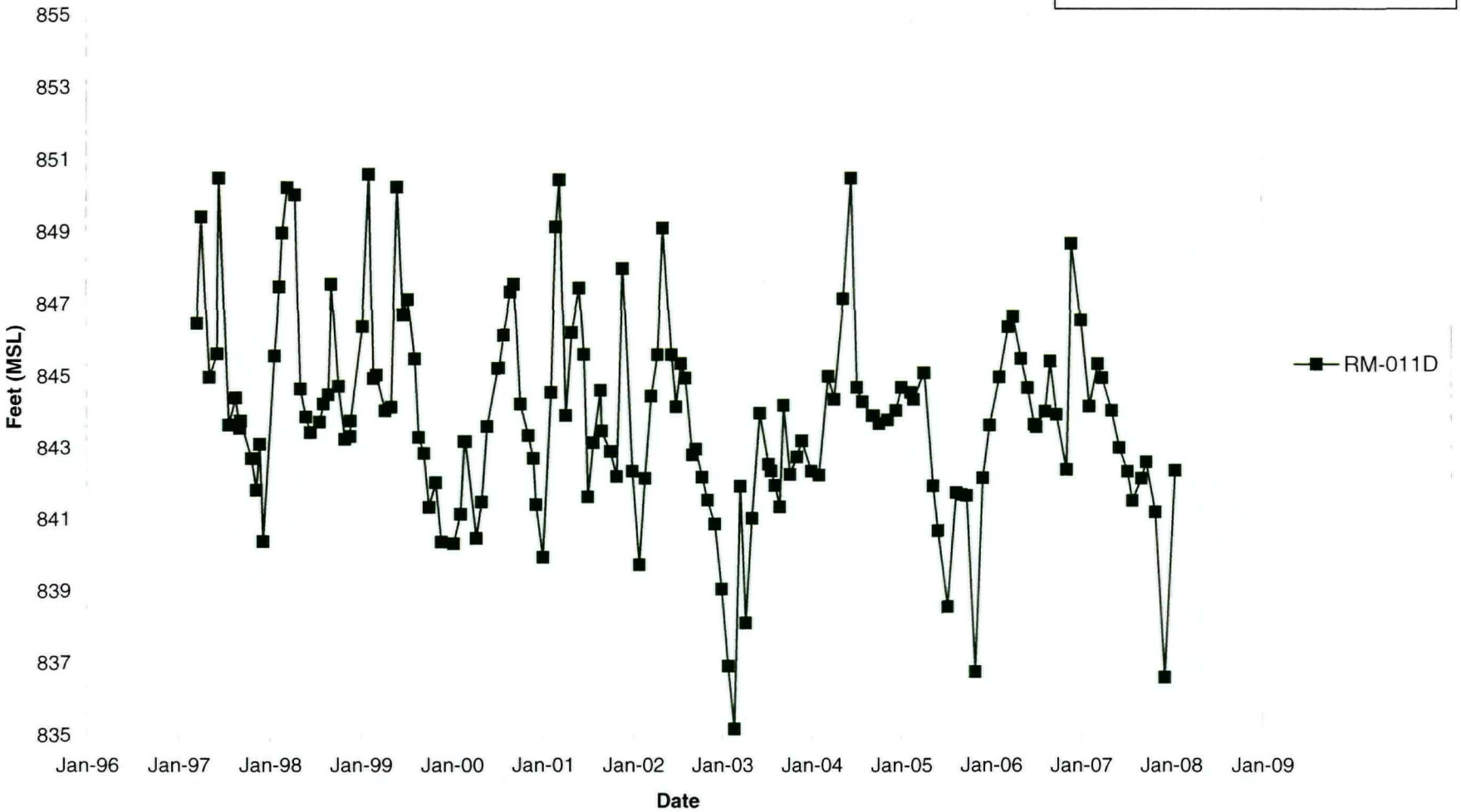
Groundwater Elevations Over Time
Lemberger Landfill





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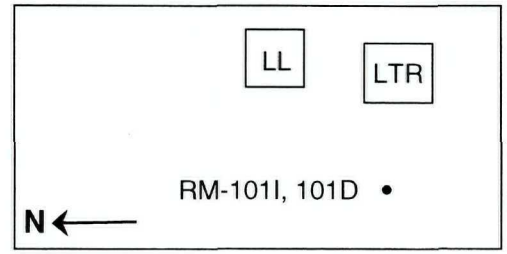
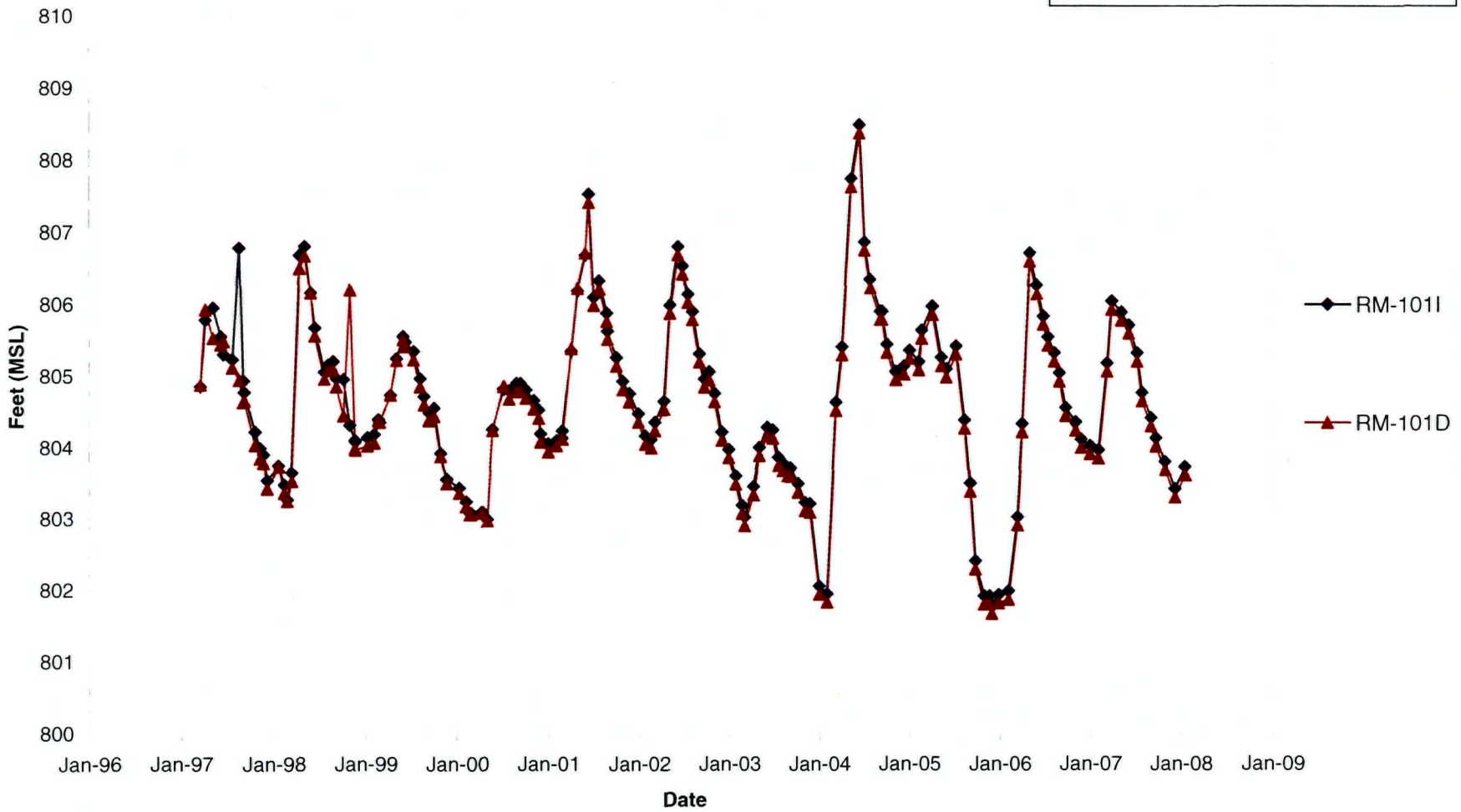
Groundwater Elevations Over Time
Lemberger Landfill





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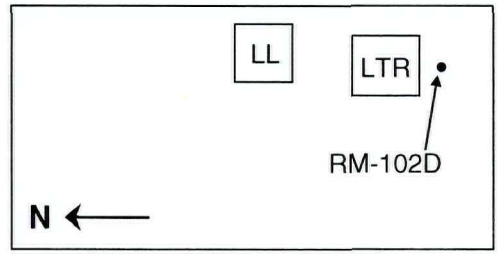
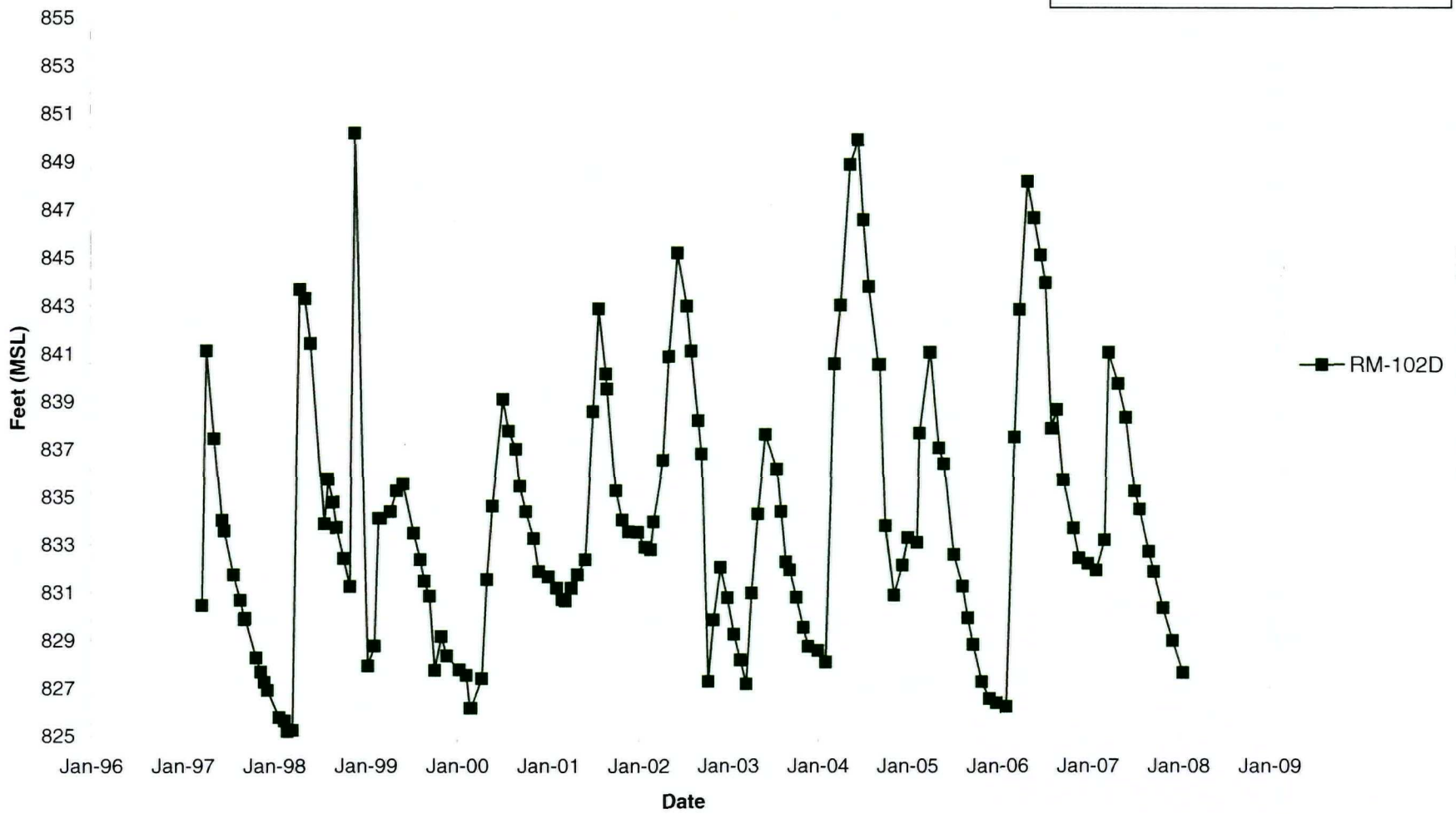
Groundwater Elevations Over Time
Lemberger Landfill





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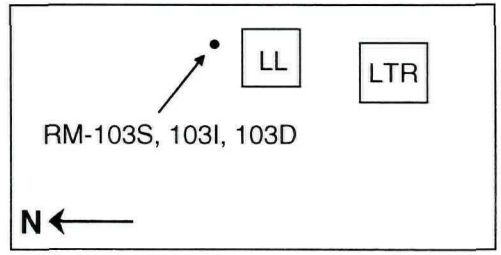
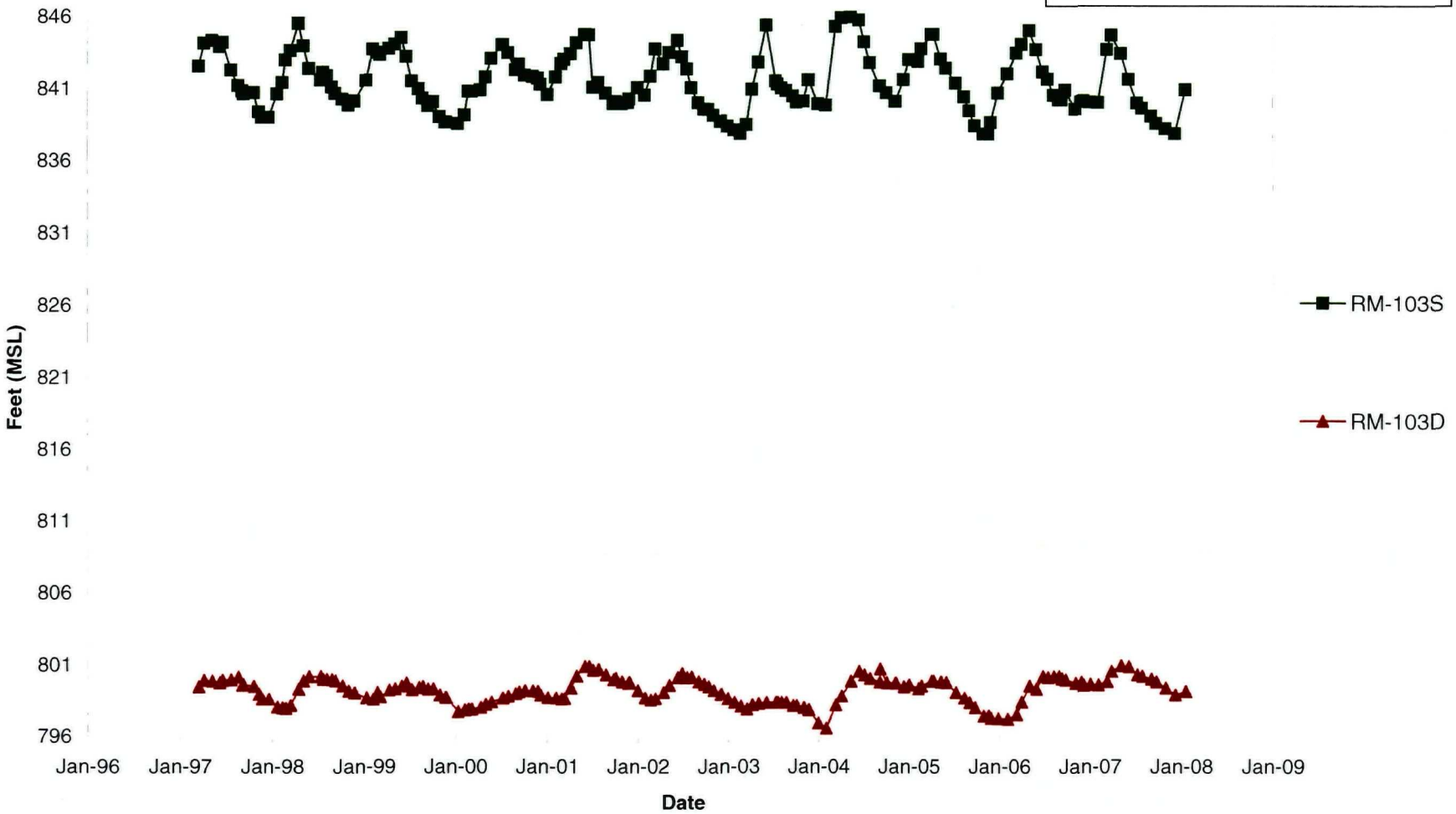
Groundwater Elevations Over Time
Lemberger Landfill





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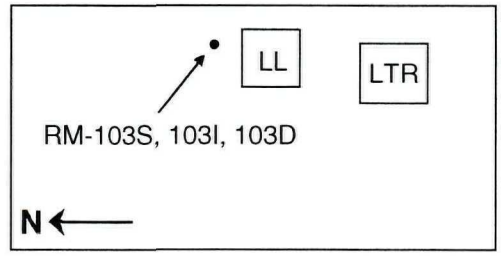
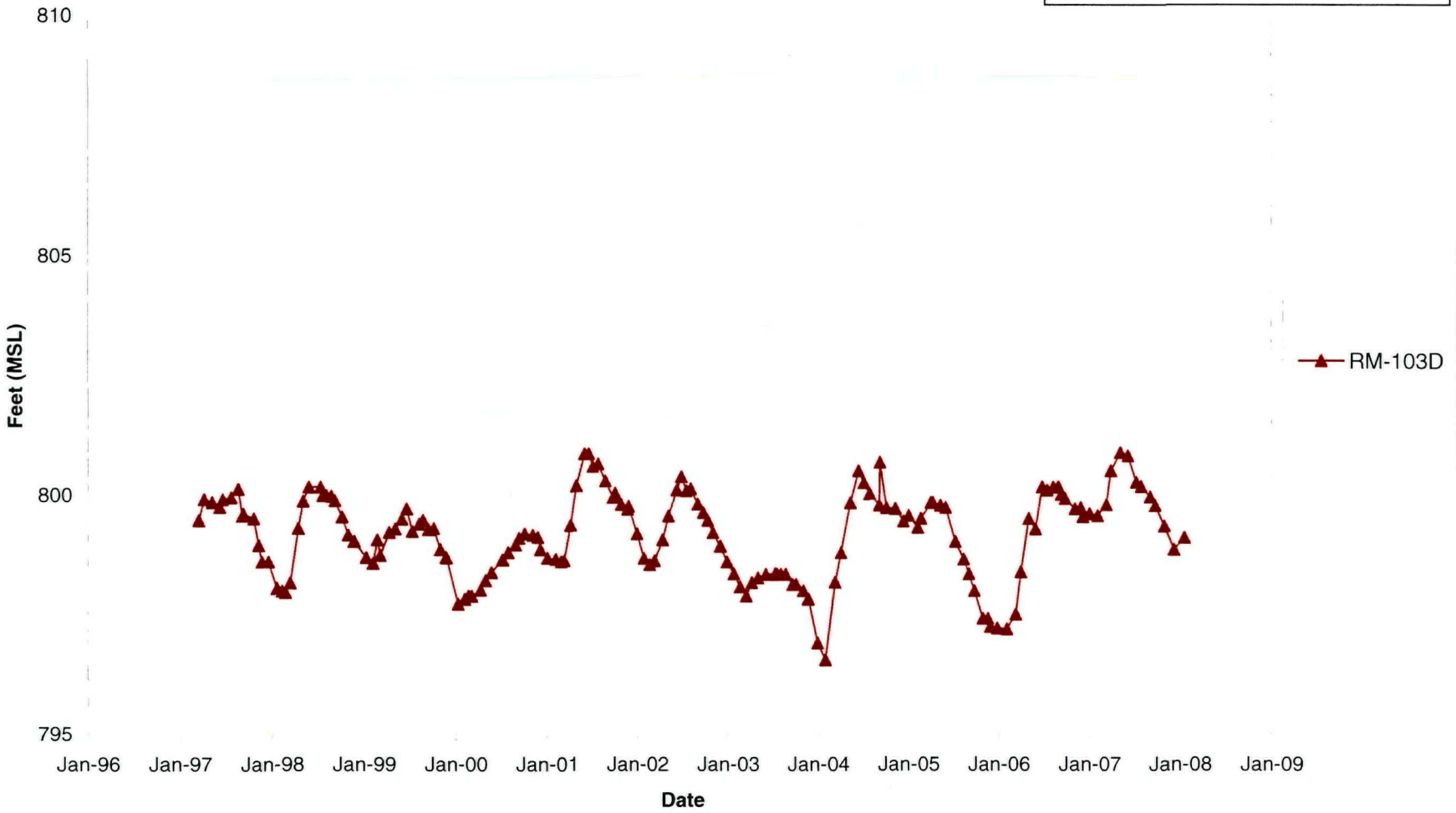
Groundwater Elevations Over Time
Lemberger Landfill





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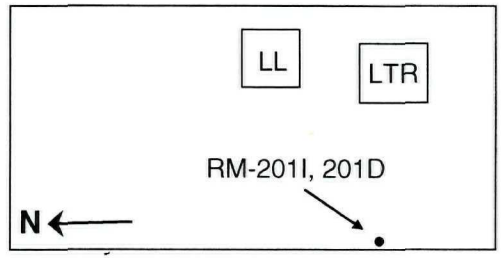
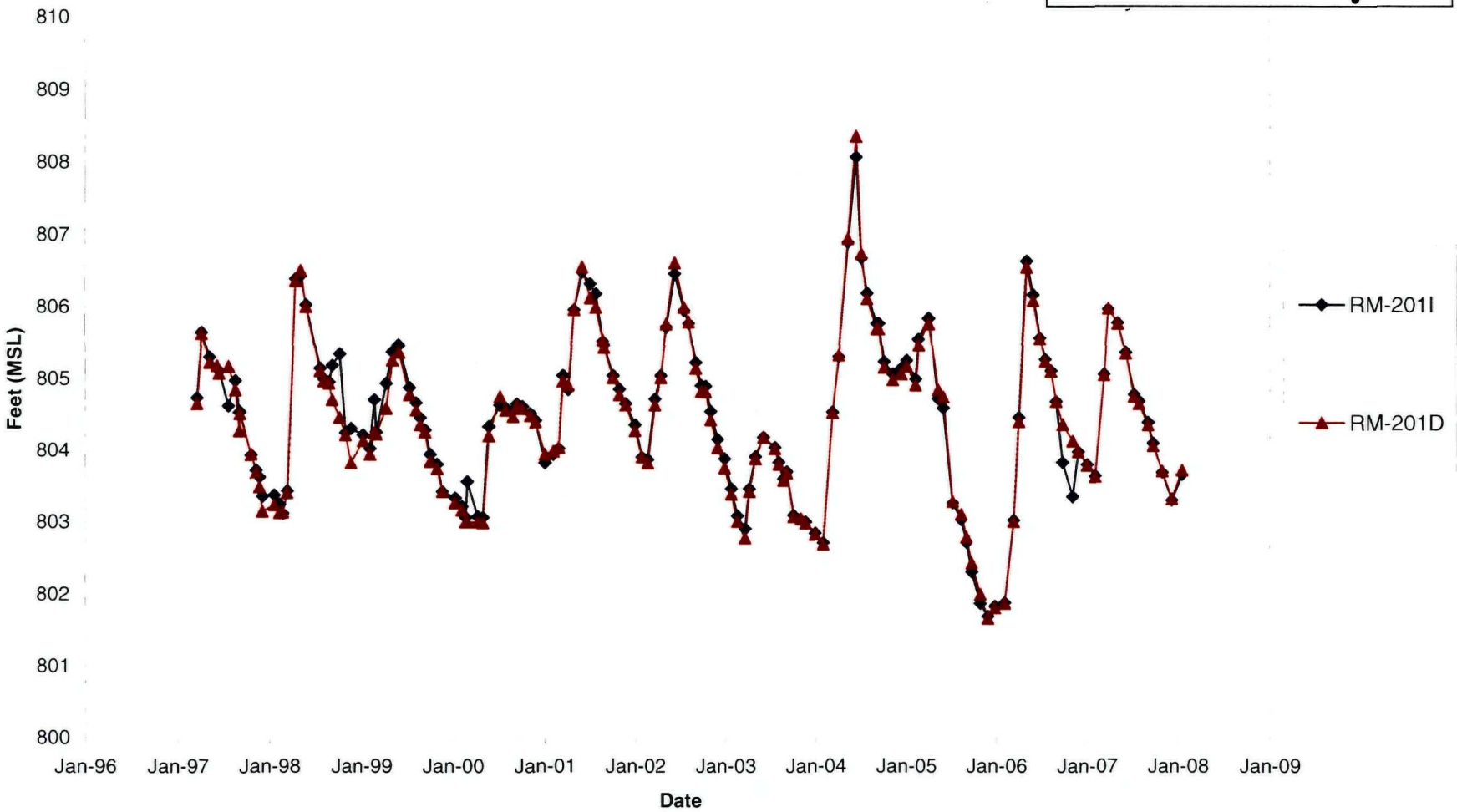
Groundwater Elevations Over Time
Lemberger Landfill





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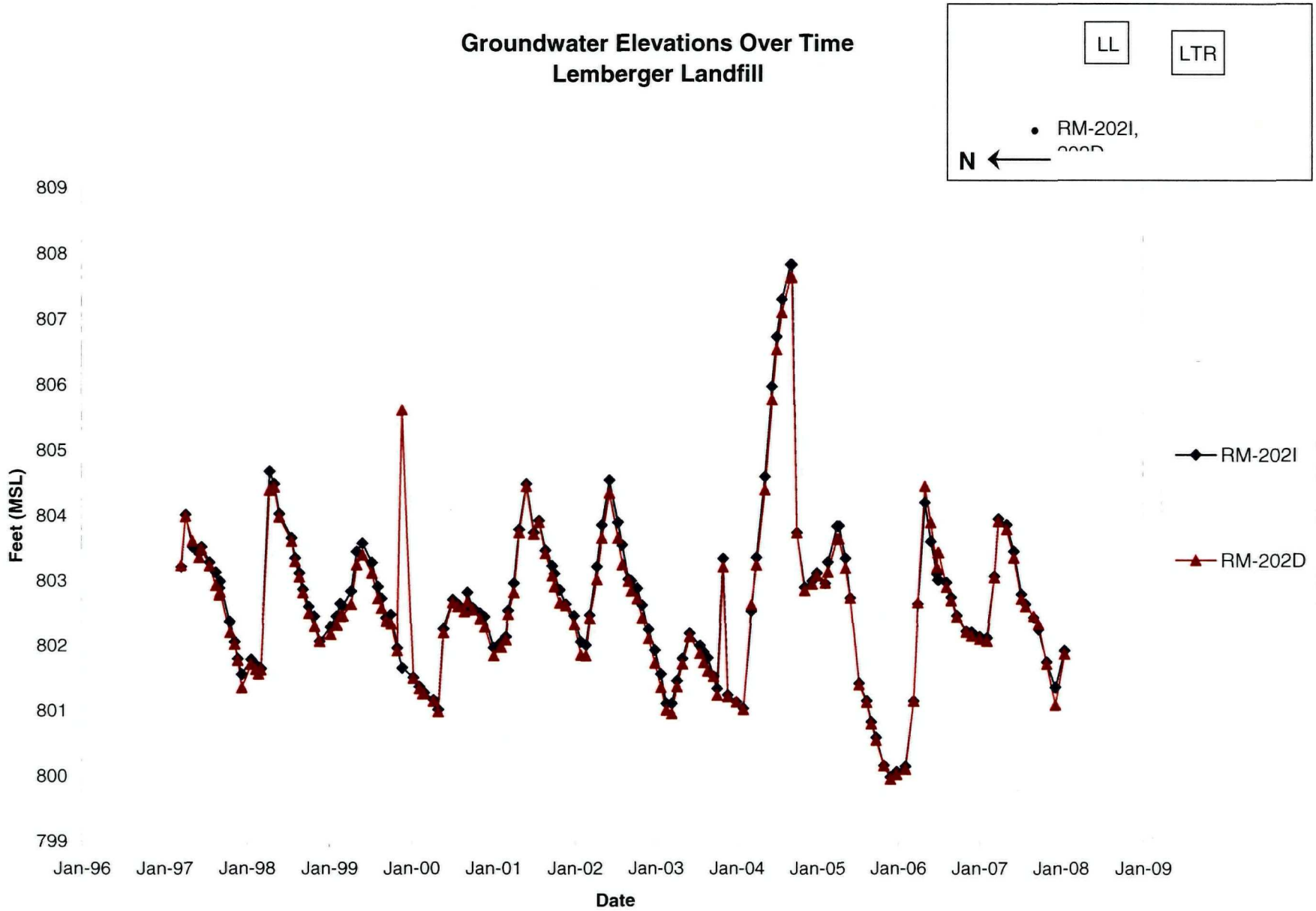

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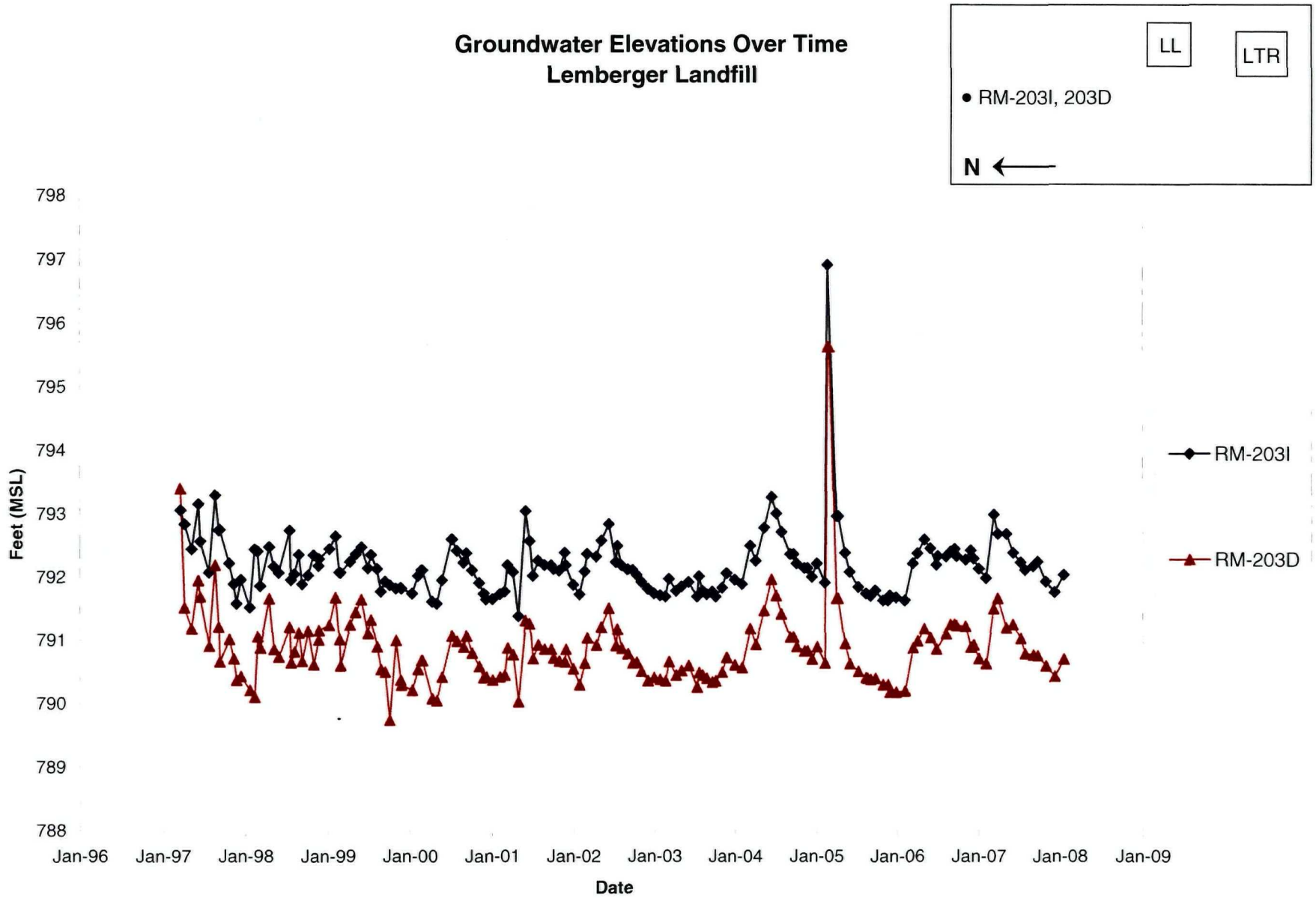

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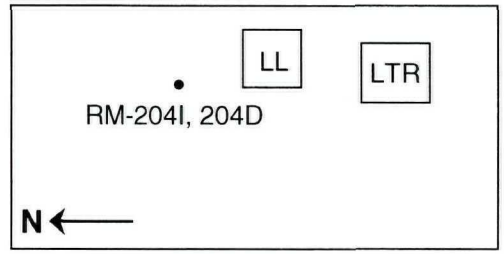
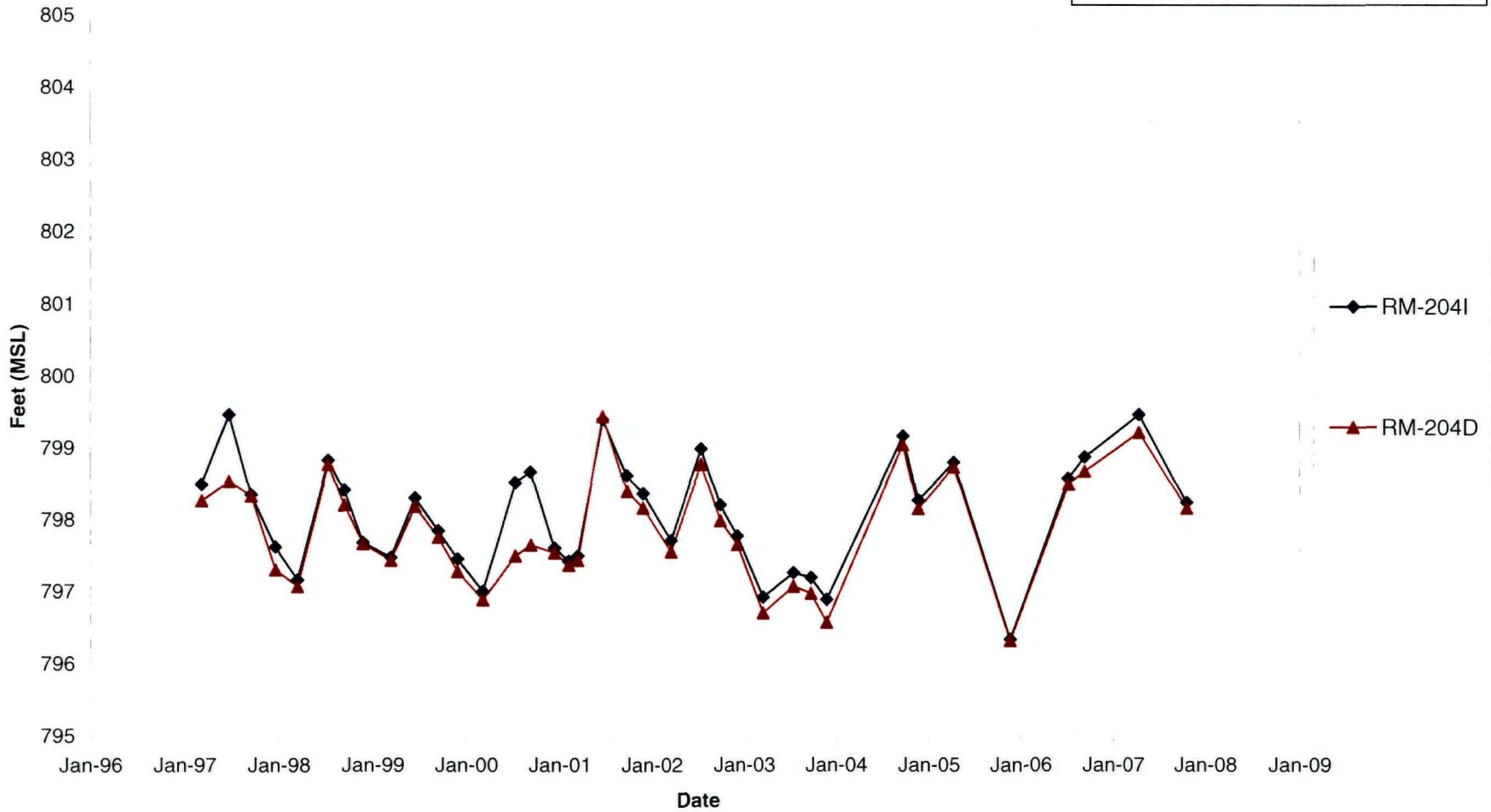
Groundwater Elevations Over Time
Lemberger Landfill





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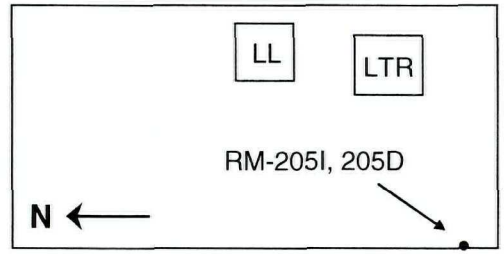
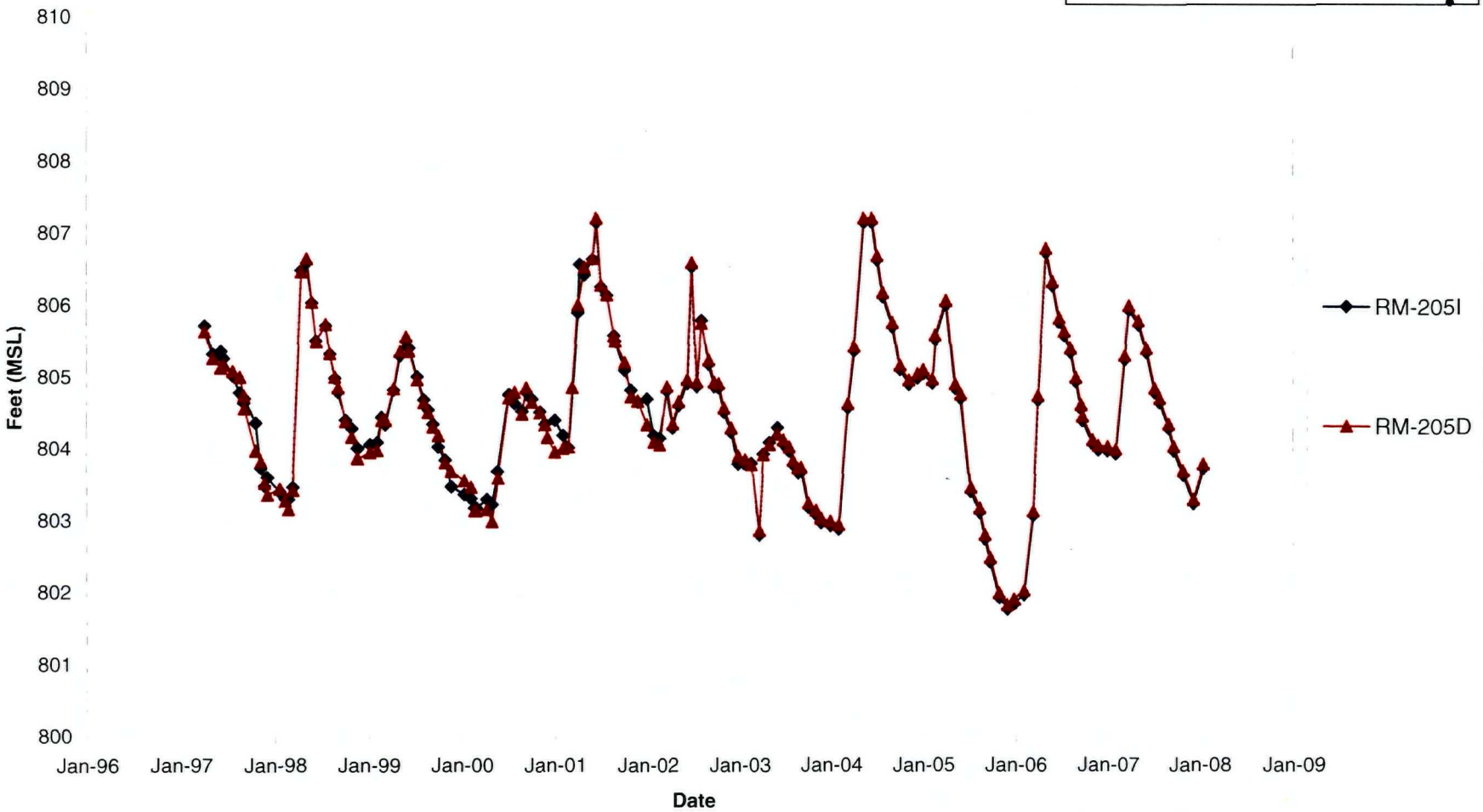
Groundwater Elevations Over Time
Lemberger Landfill





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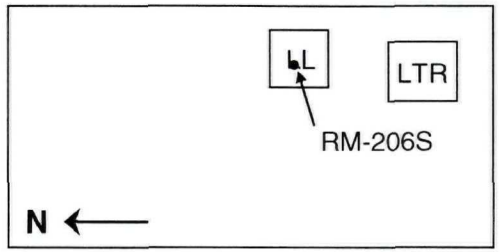
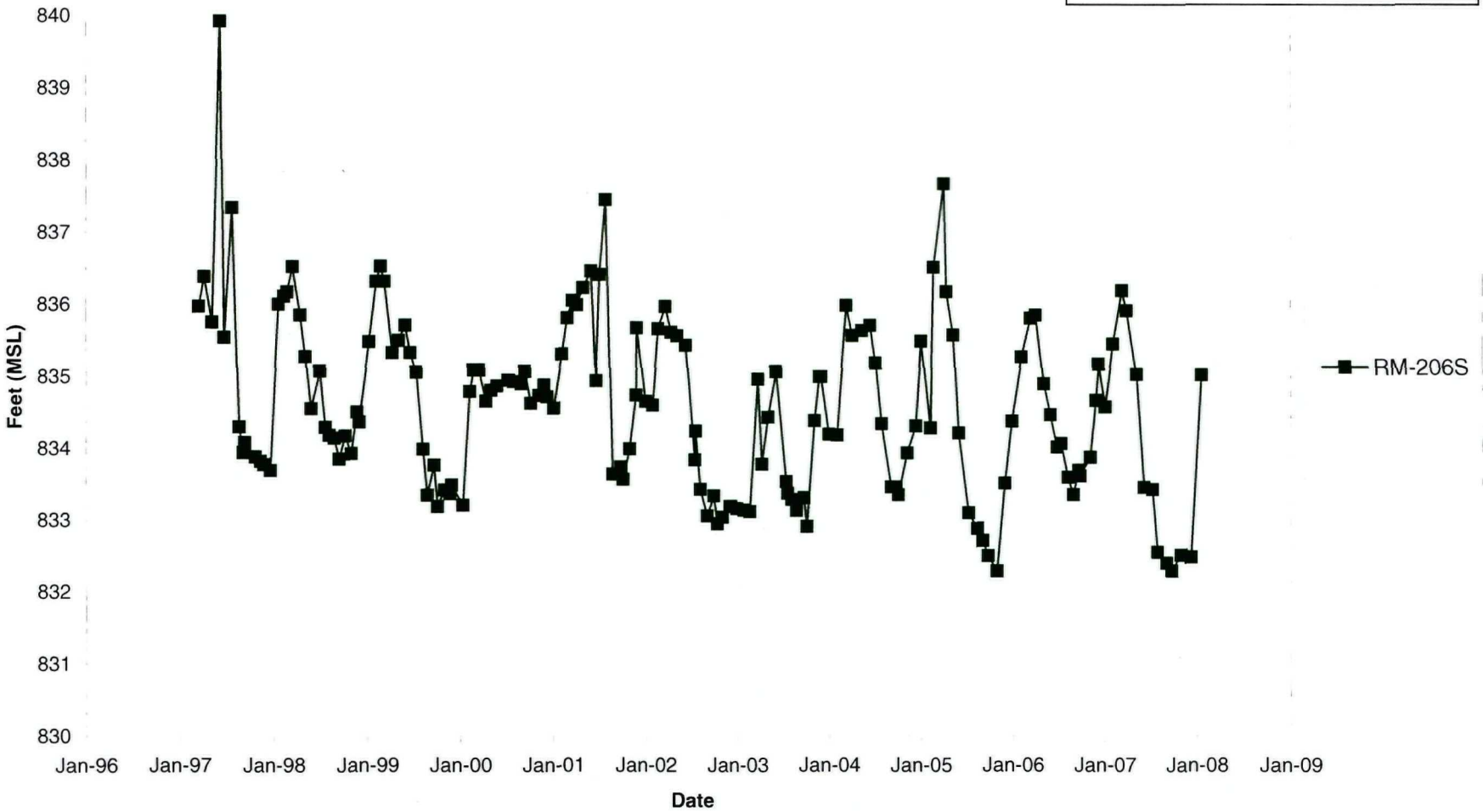
Groundwater Elevations Over Time
Lemberger Landfill





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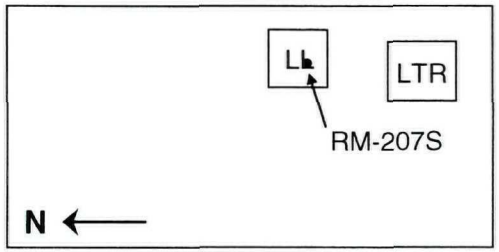
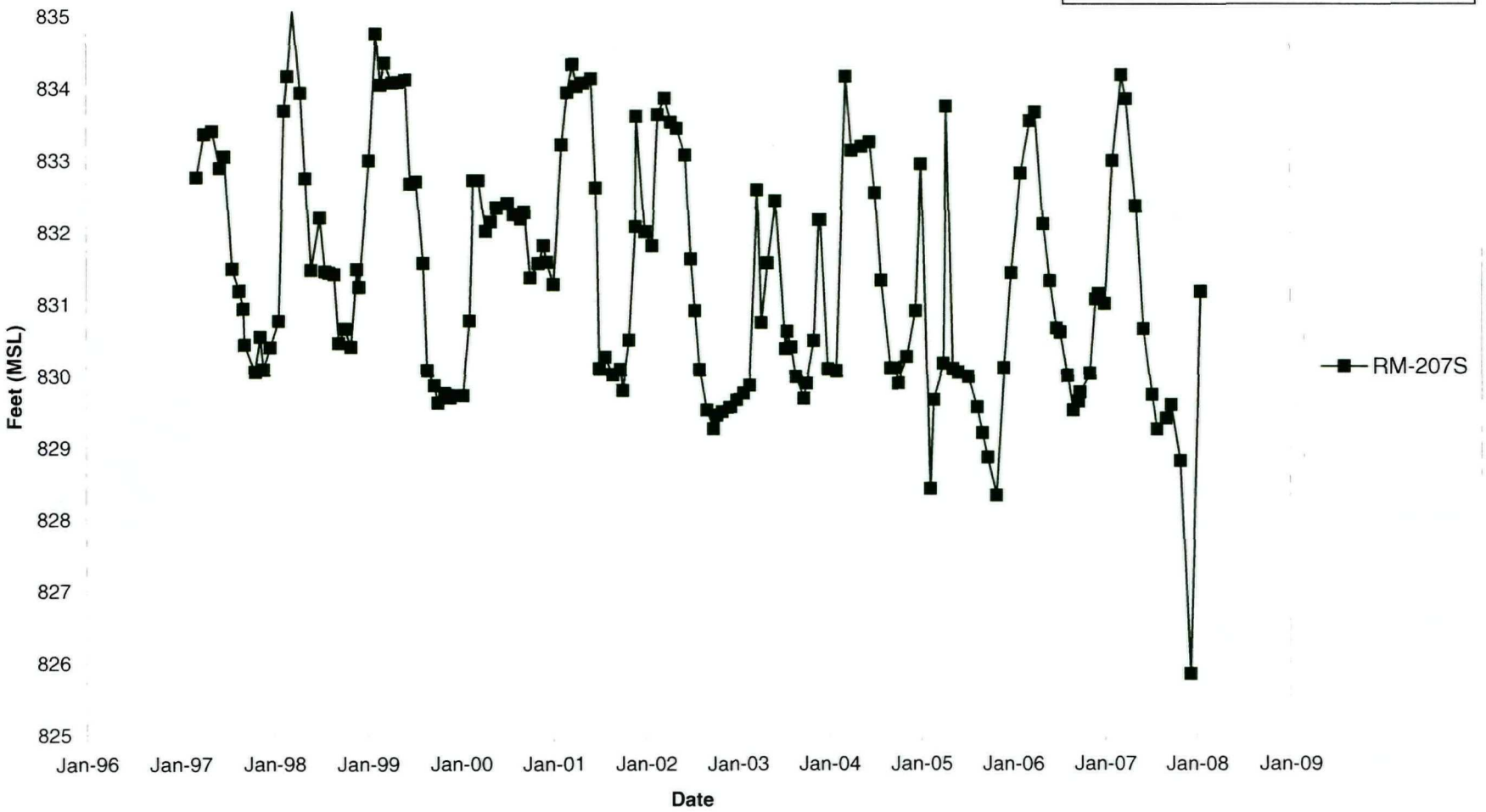
Groundwater Elevations Over Time
Lemberger Landfill





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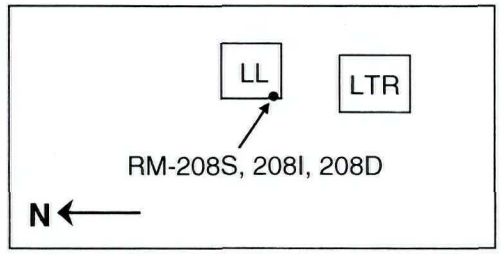
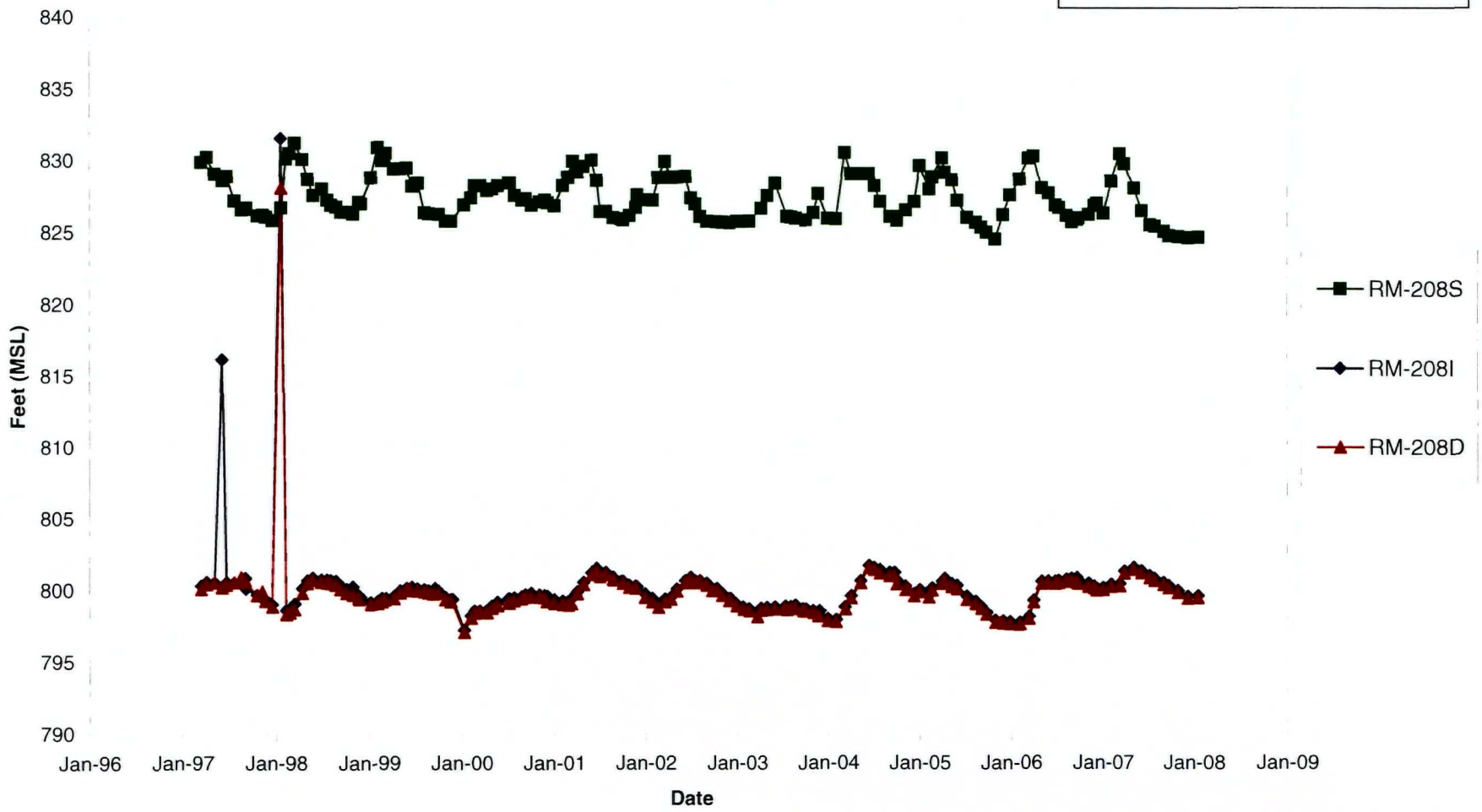
Groundwater Elevations Over Time
Lemberger Landfill





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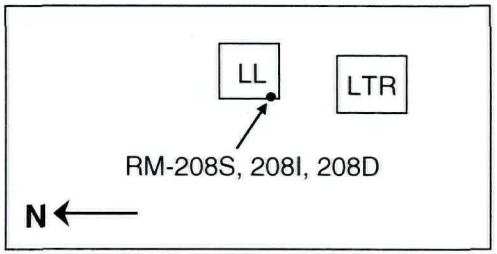
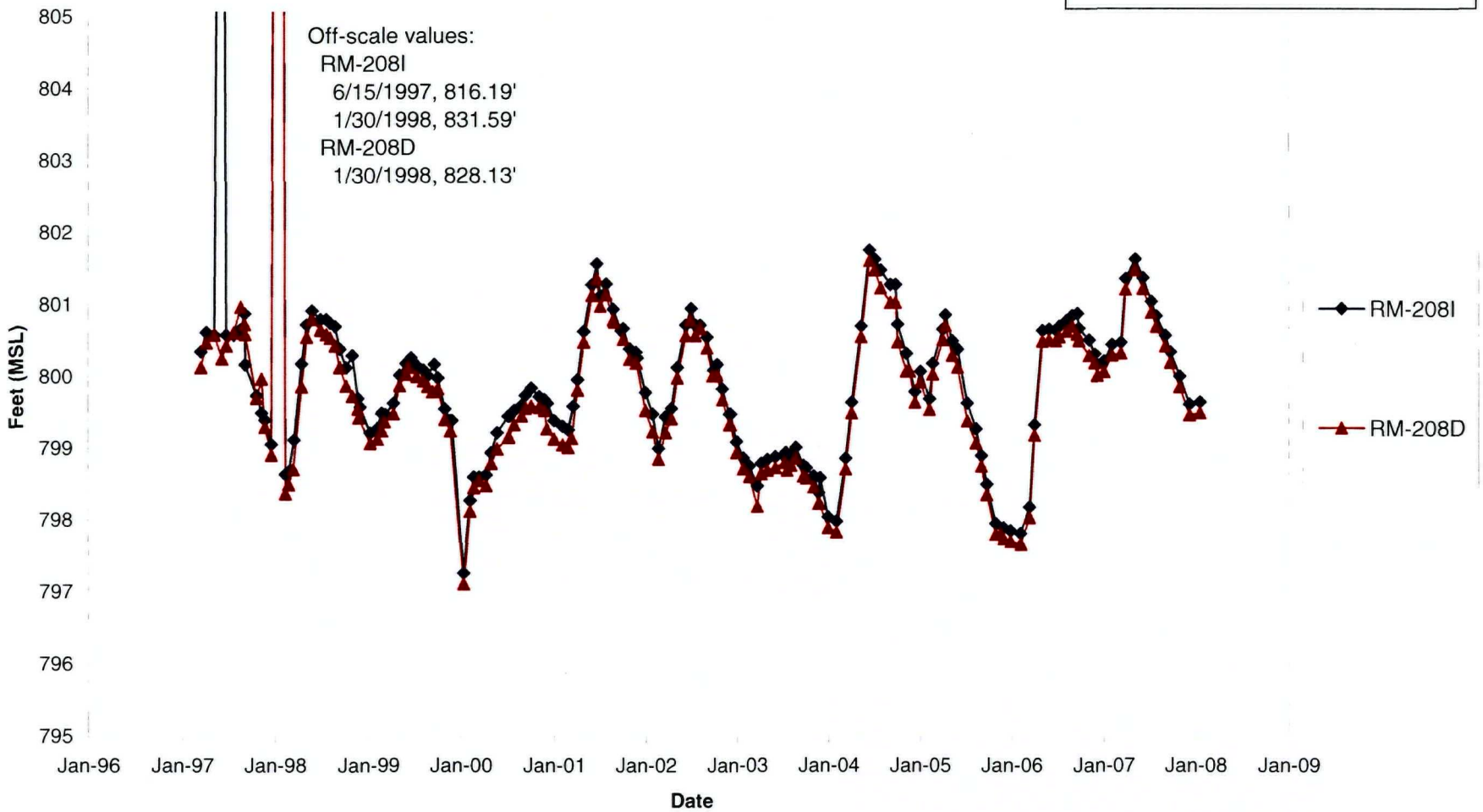
Groundwater Elevations Over Time
Lemberger Landfill





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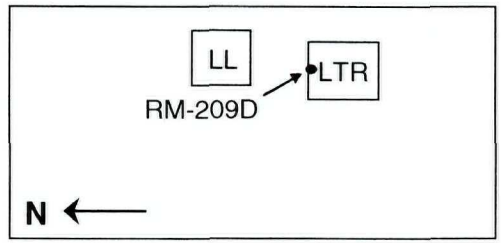
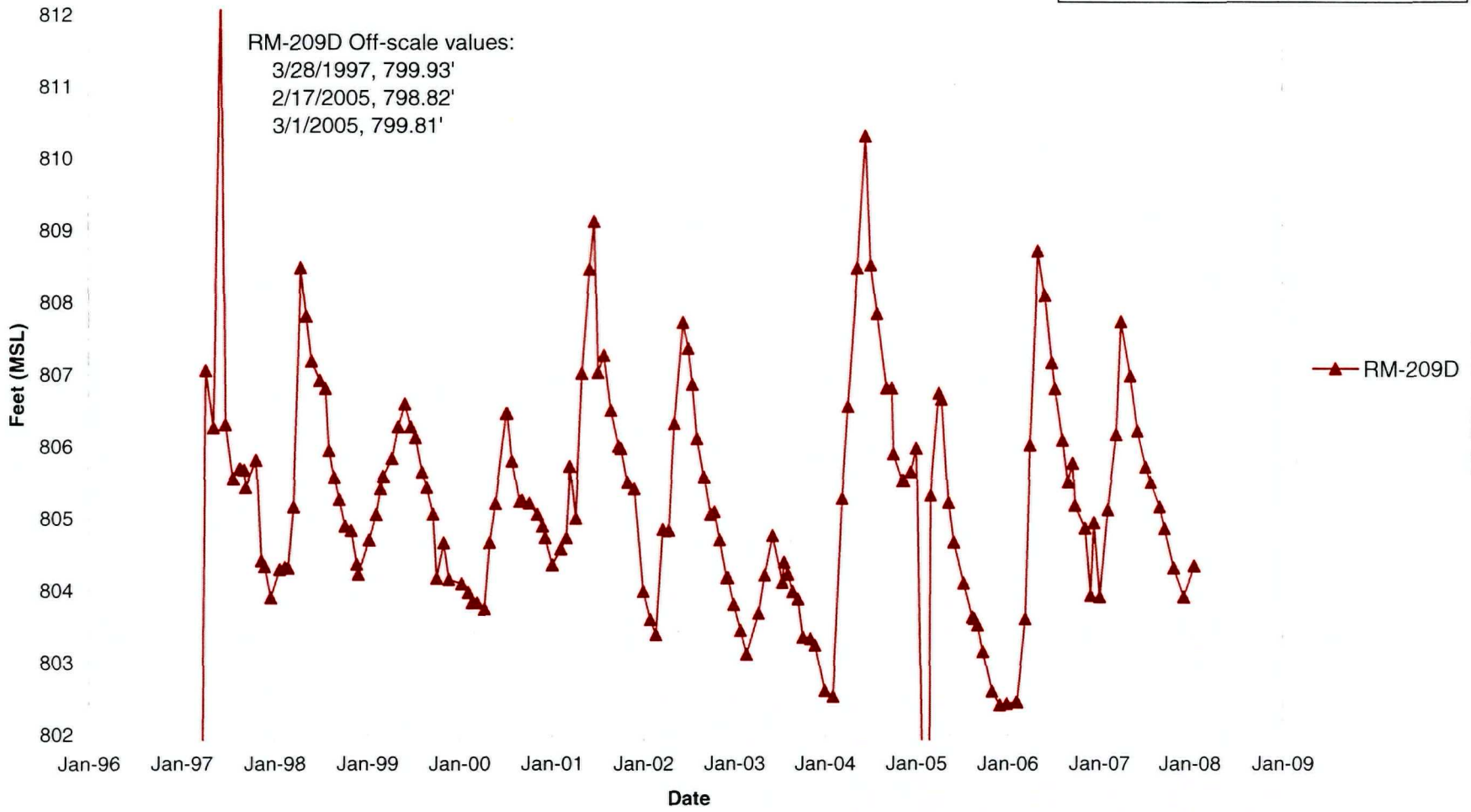
Groundwater Elevations Over Time
Lemberger Landfill





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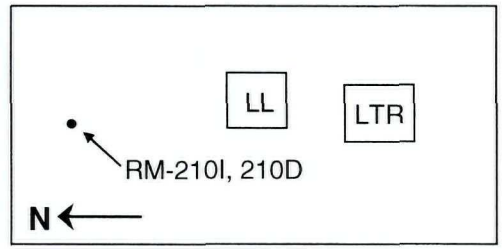
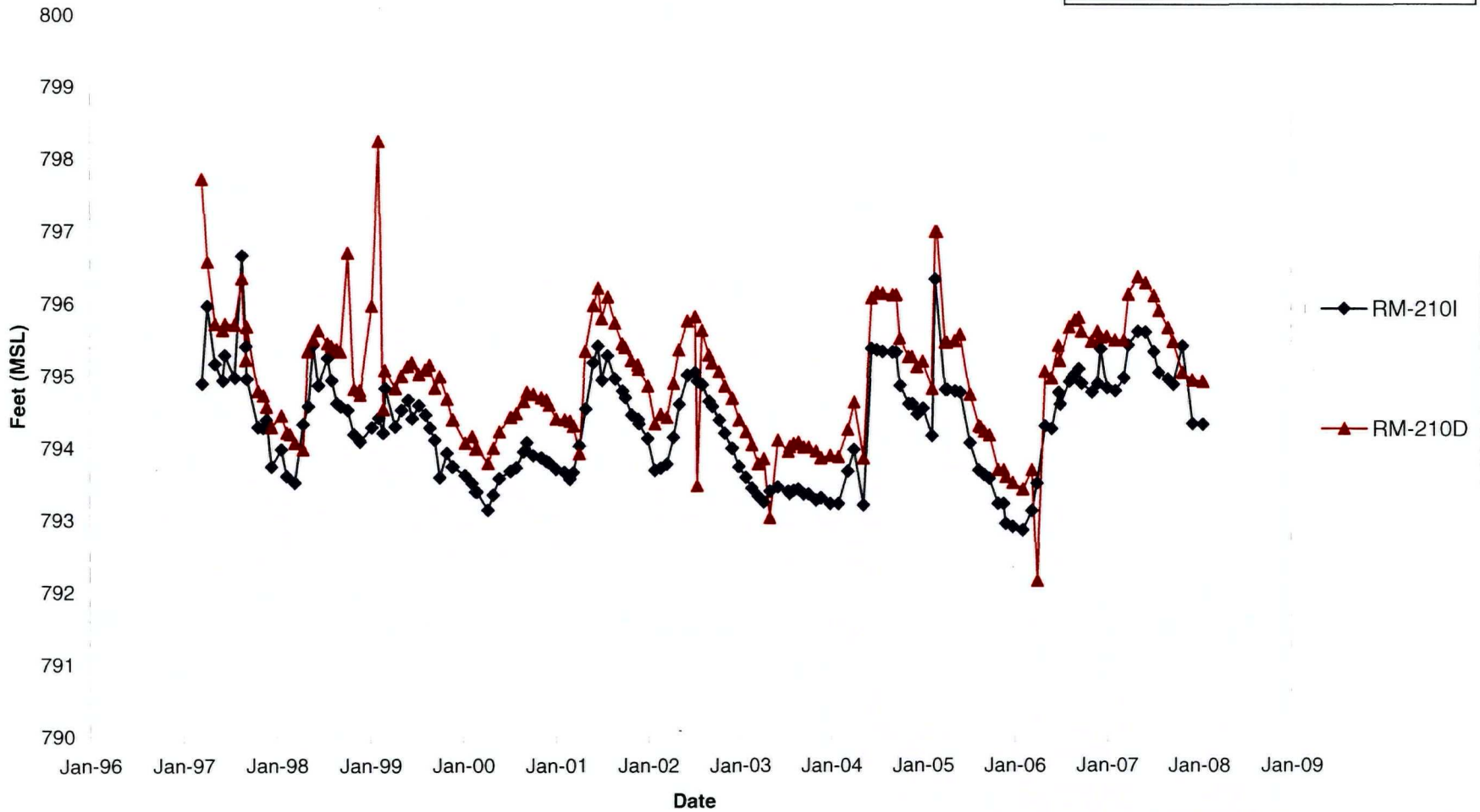
Groundwater Elevations Over Time
Lemberger Landfill





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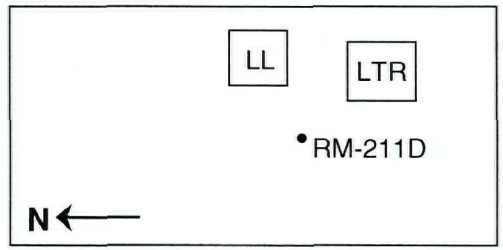
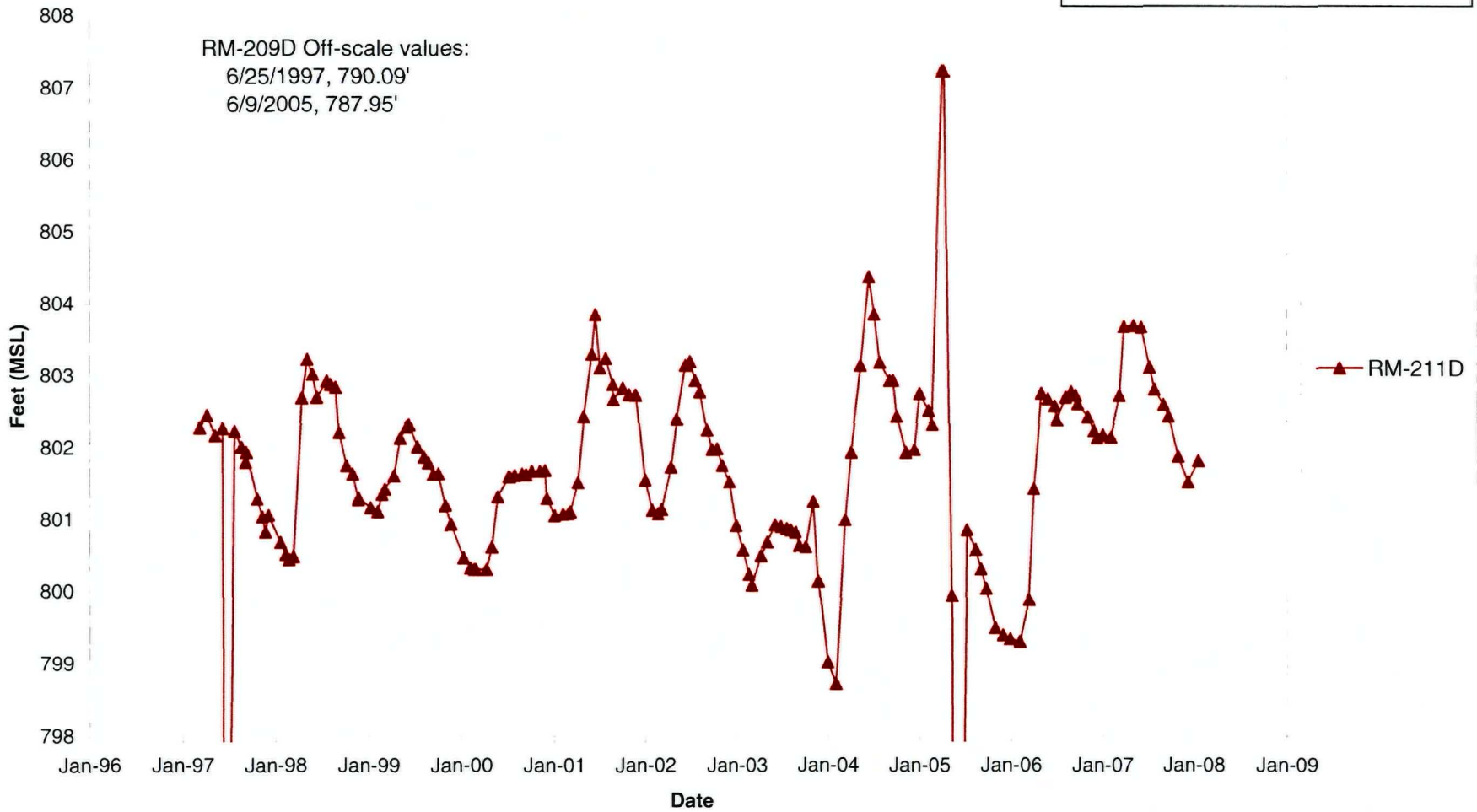
Groundwater Elevations Over Time
Lemberger Landfill





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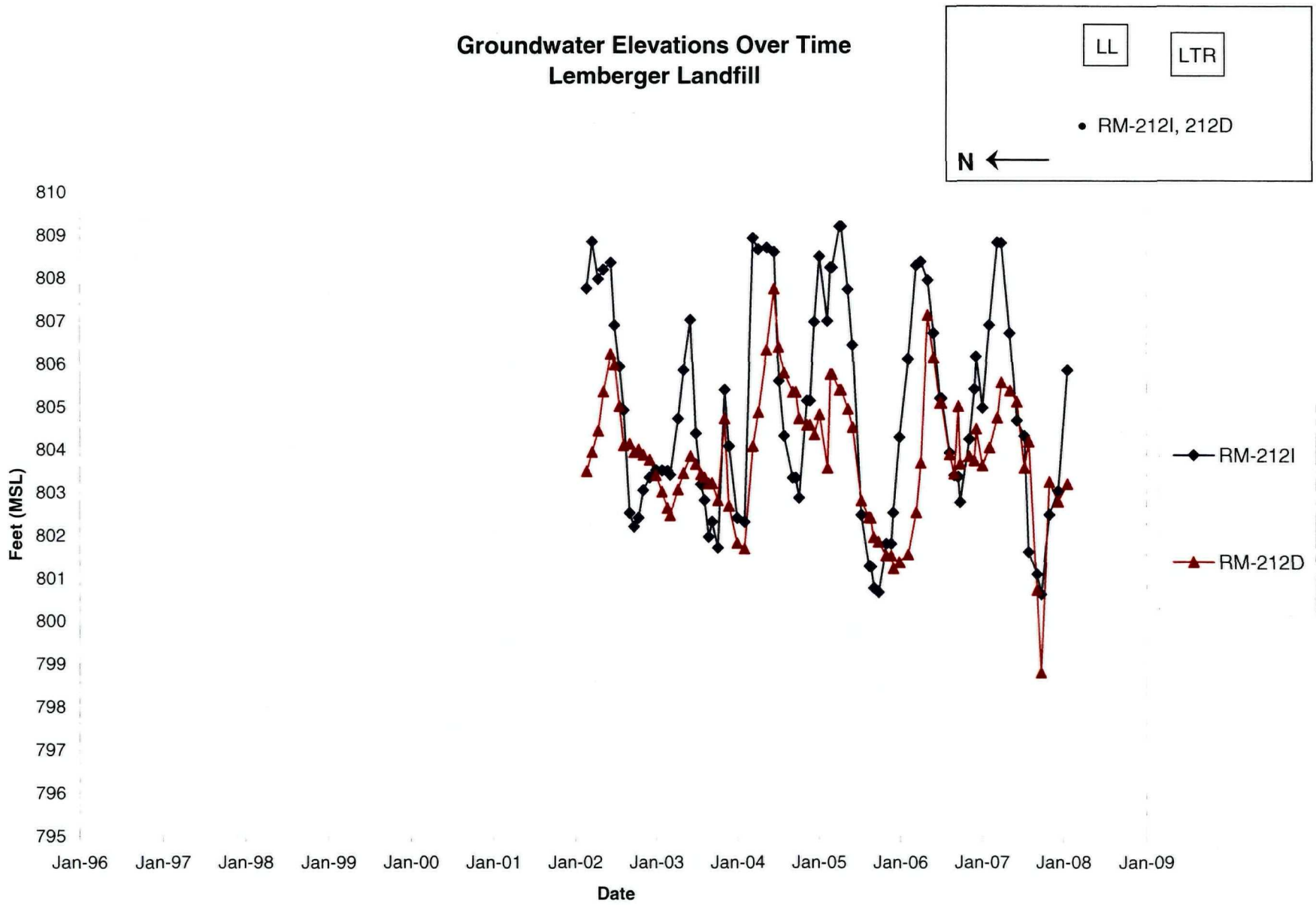

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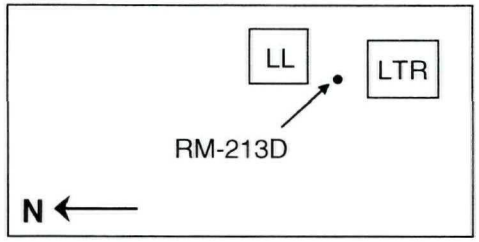
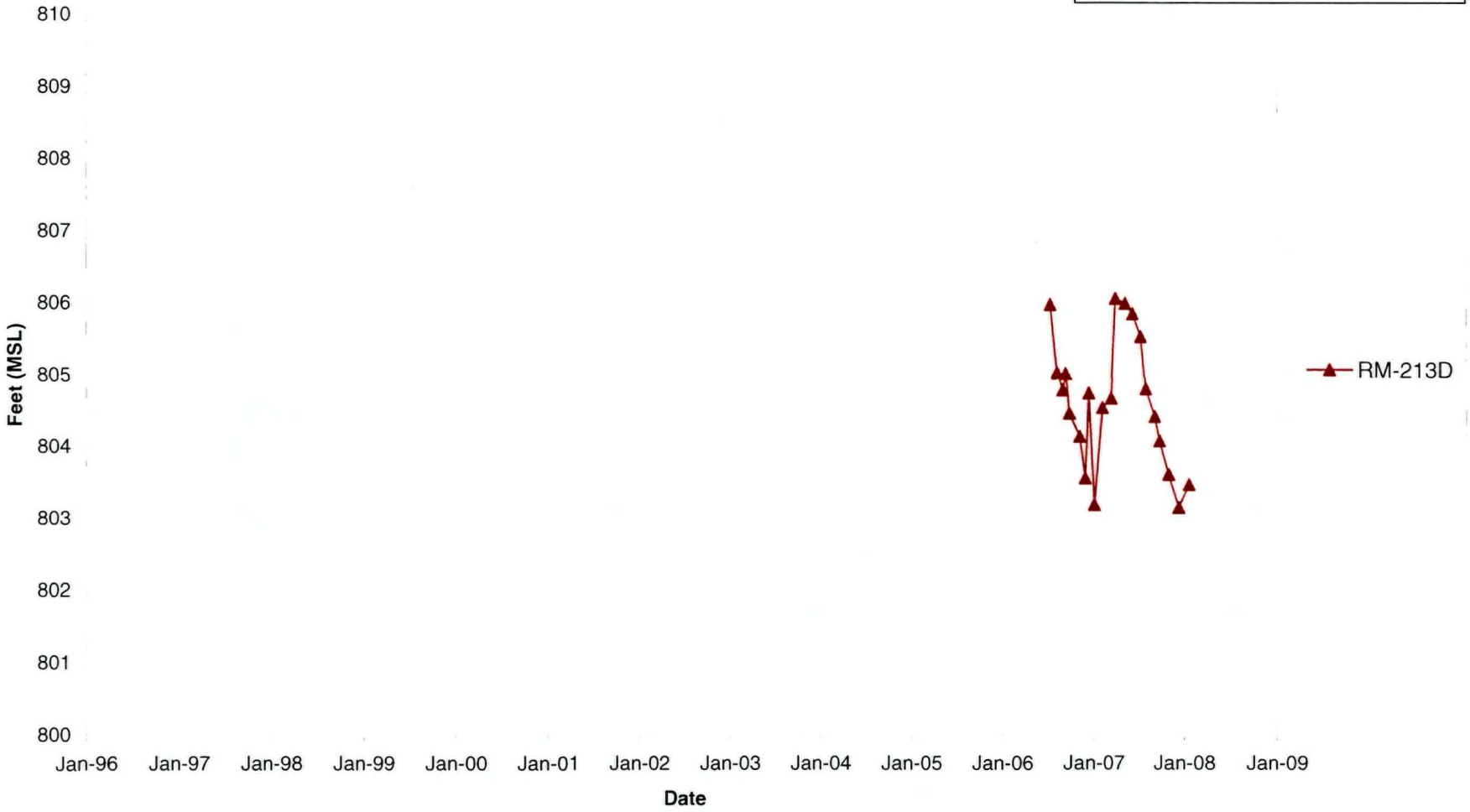
Groundwater Elevations Over Time
Lemberger Landfill





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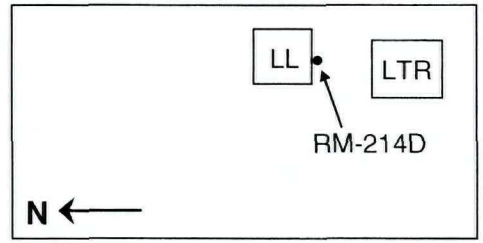
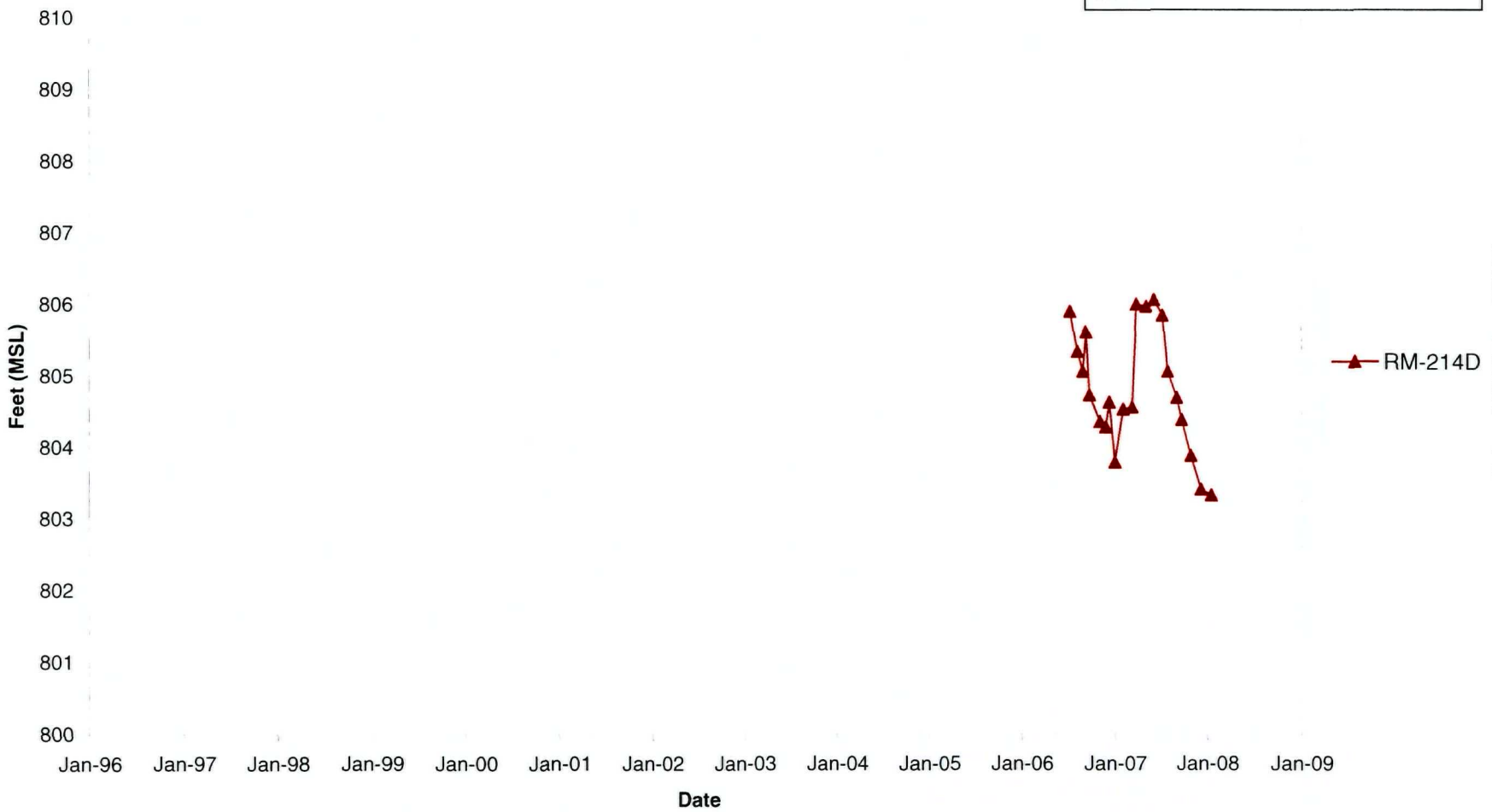
Groundwater Elevations Over Time
Lemberger Landfill





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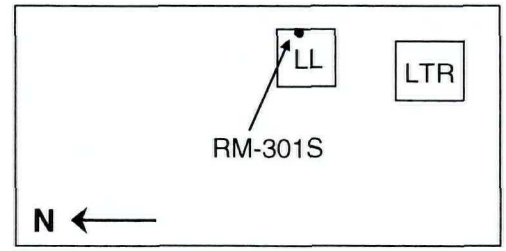
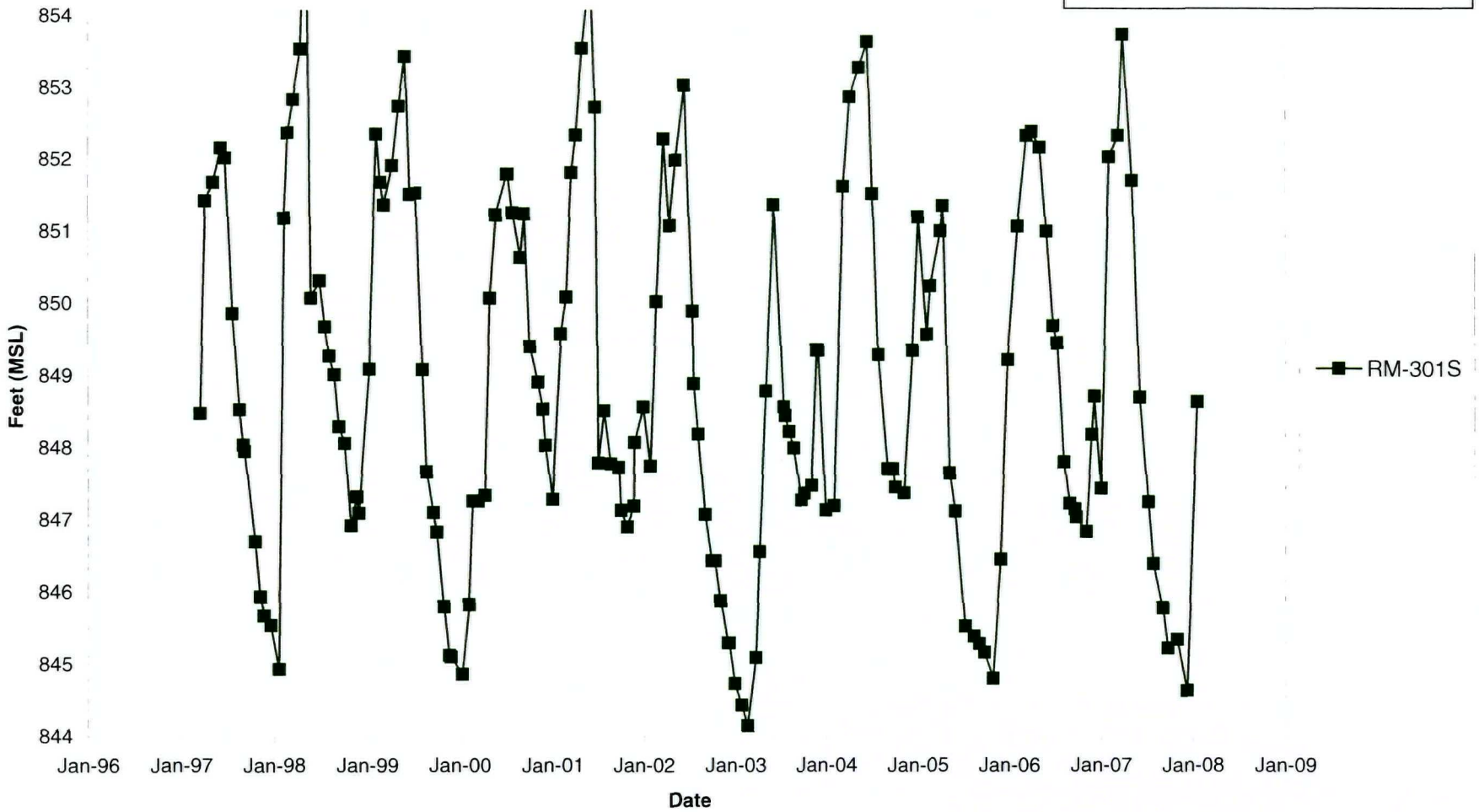
Groundwater Elevations Over Time
Lemberger Landfill

RM-301S Off-scale values:
5/14/1998, 855.99'
6/8/2001, 854.65'





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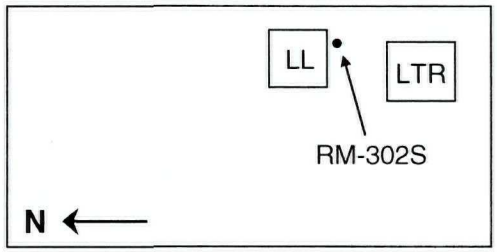
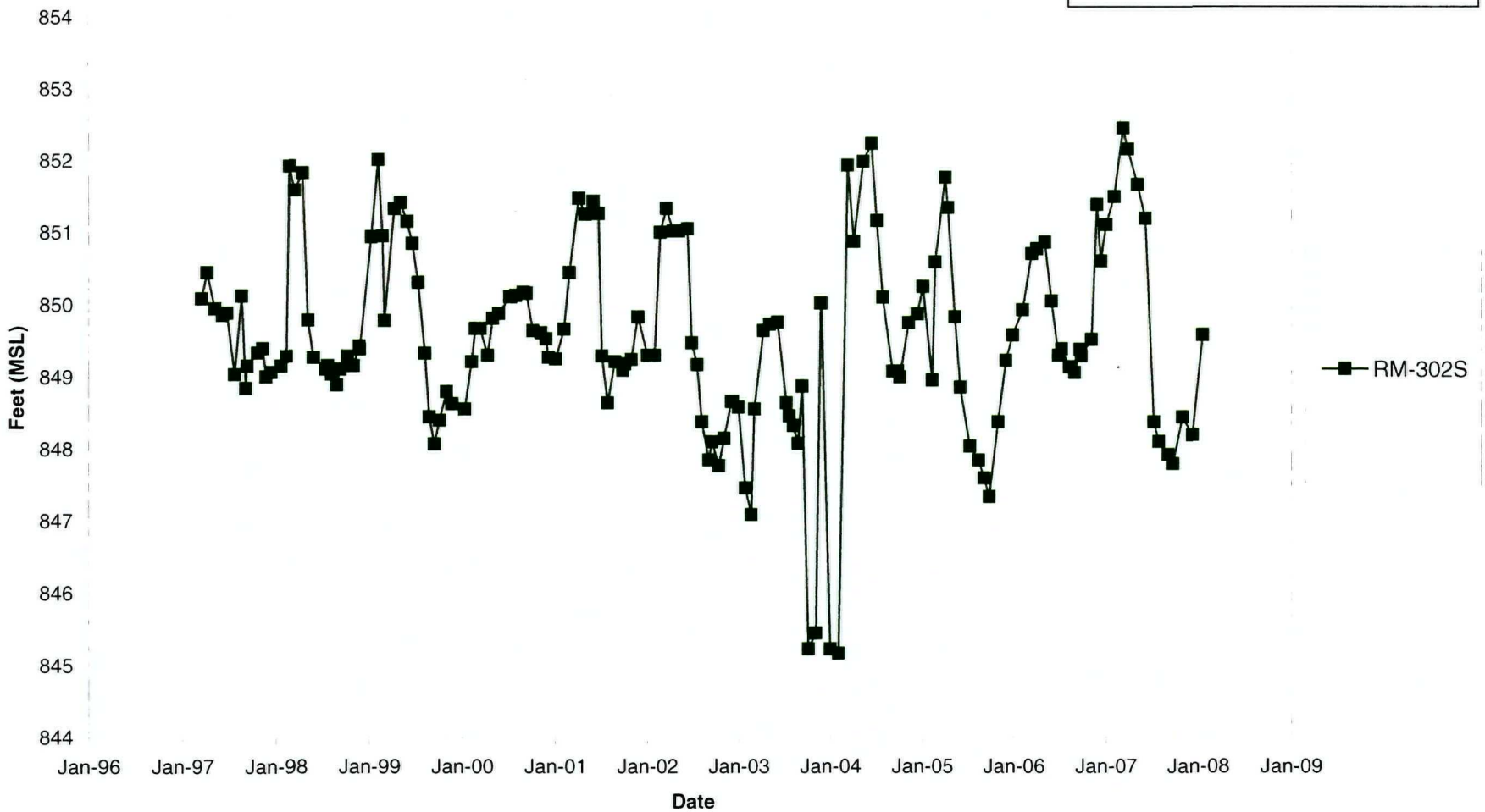
Groundwater Elevations Over Time
Lemberger Landfill





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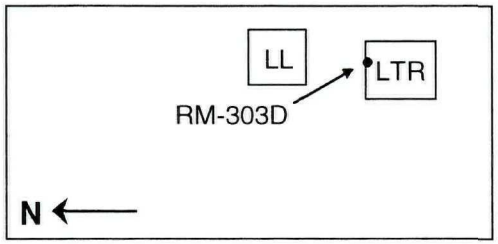
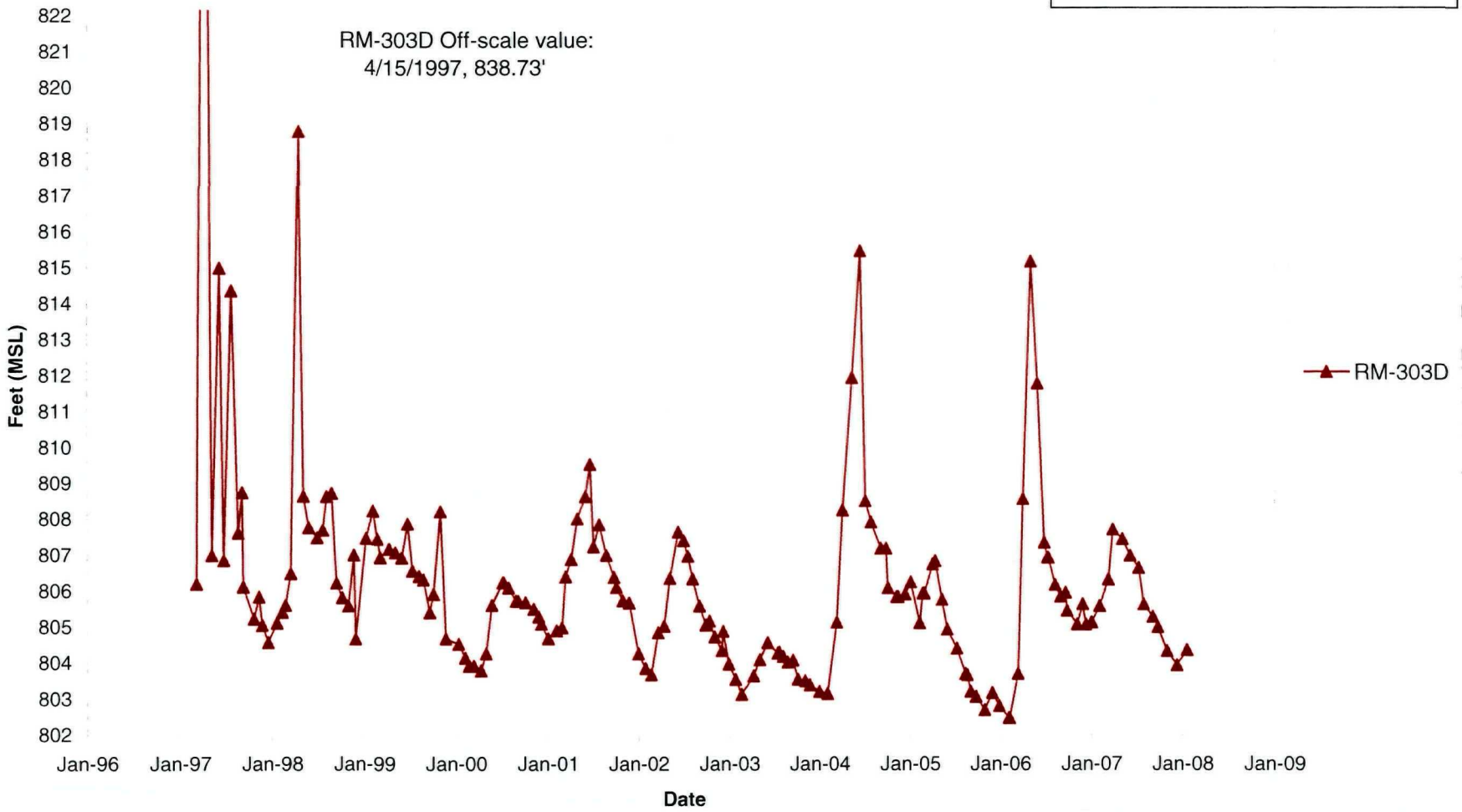
Groundwater Elevations Over Time
Lemberger Landfill





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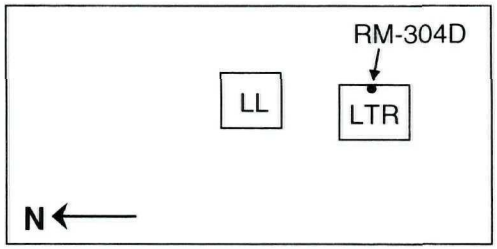
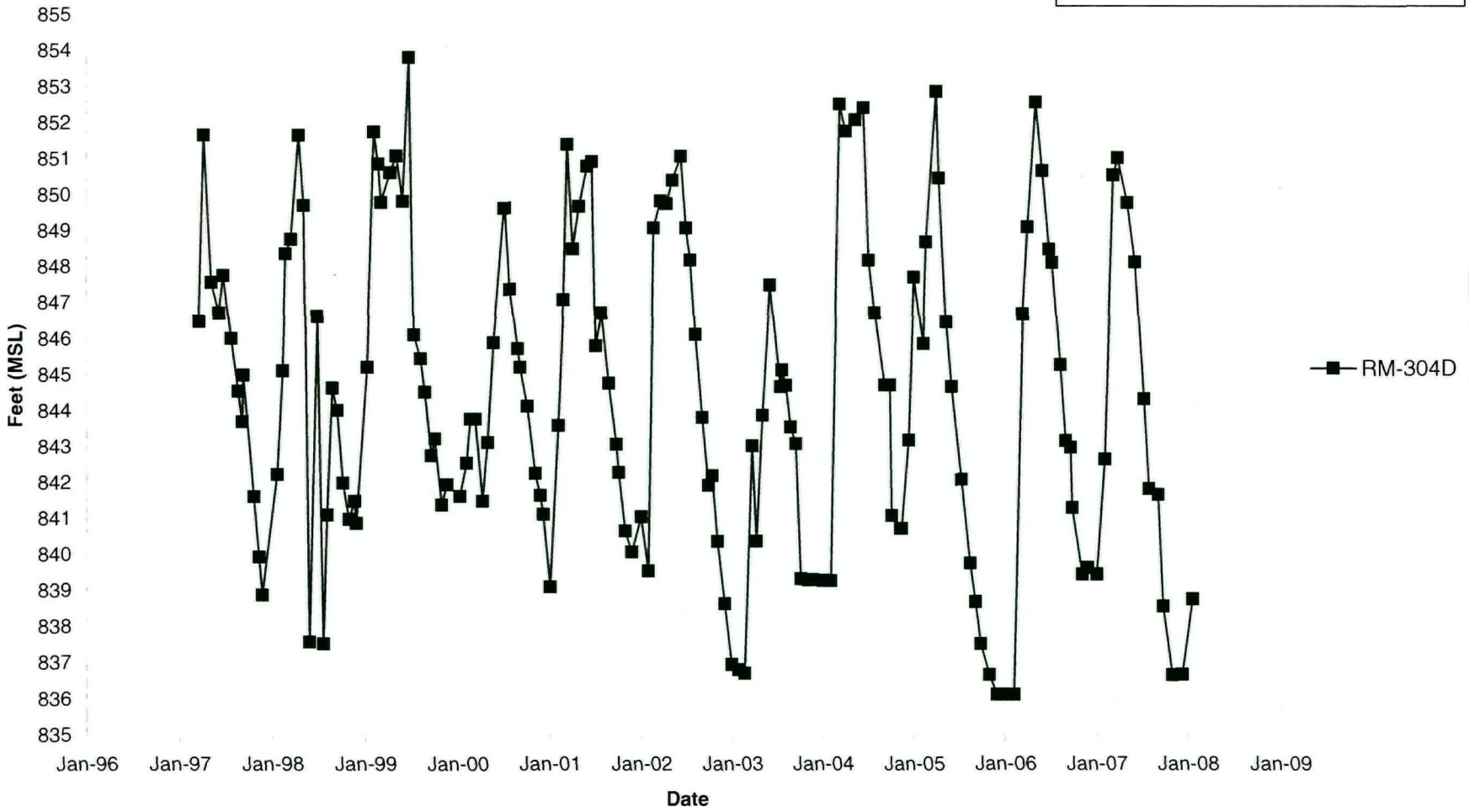
Groundwater Elevations Over Time
Lemberger Landfill





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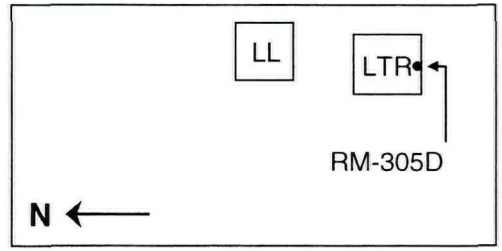
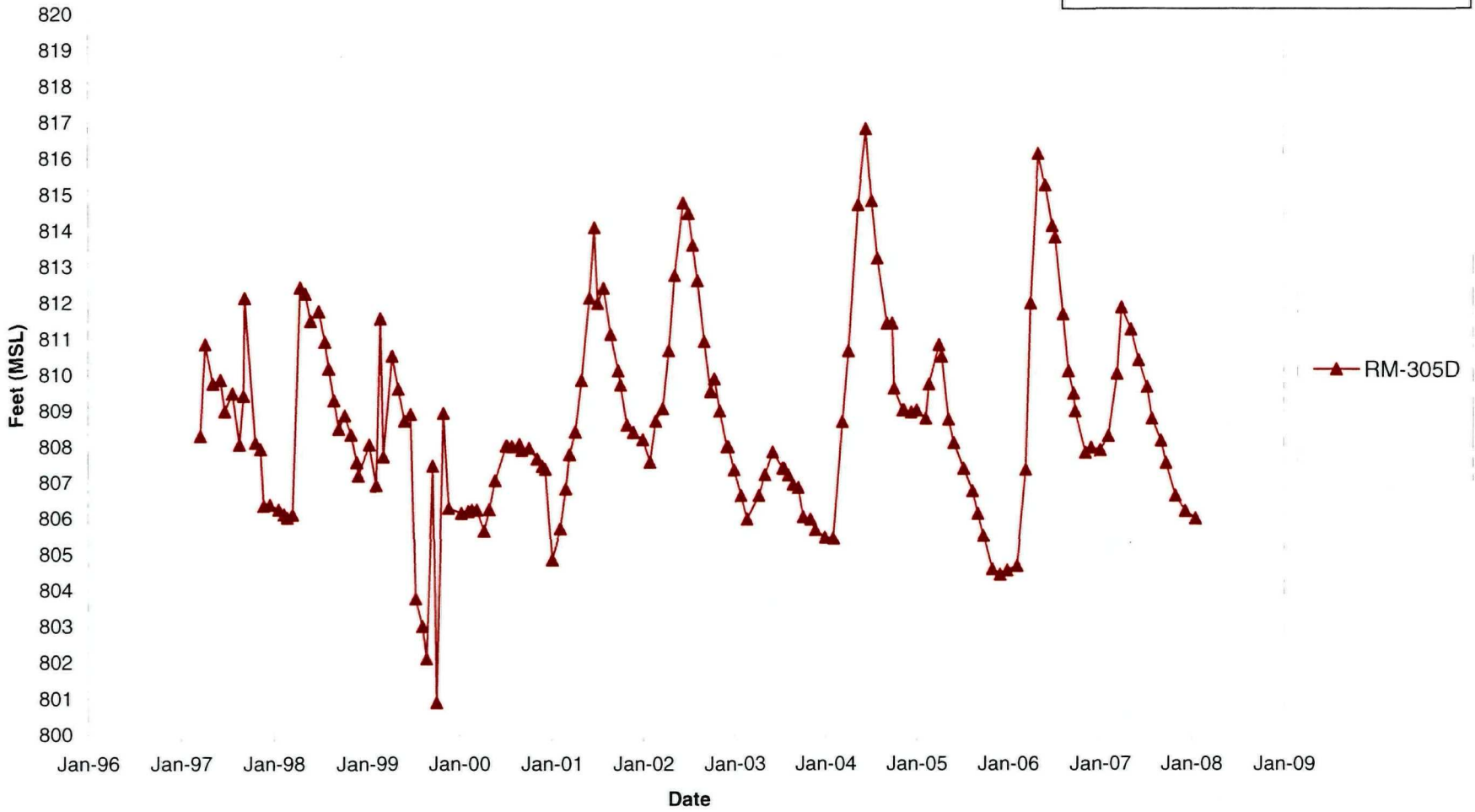
Groundwater Elevations Over Time
Lemberger Landfill





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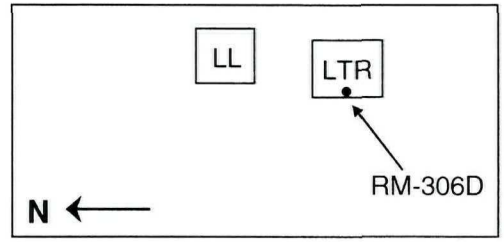
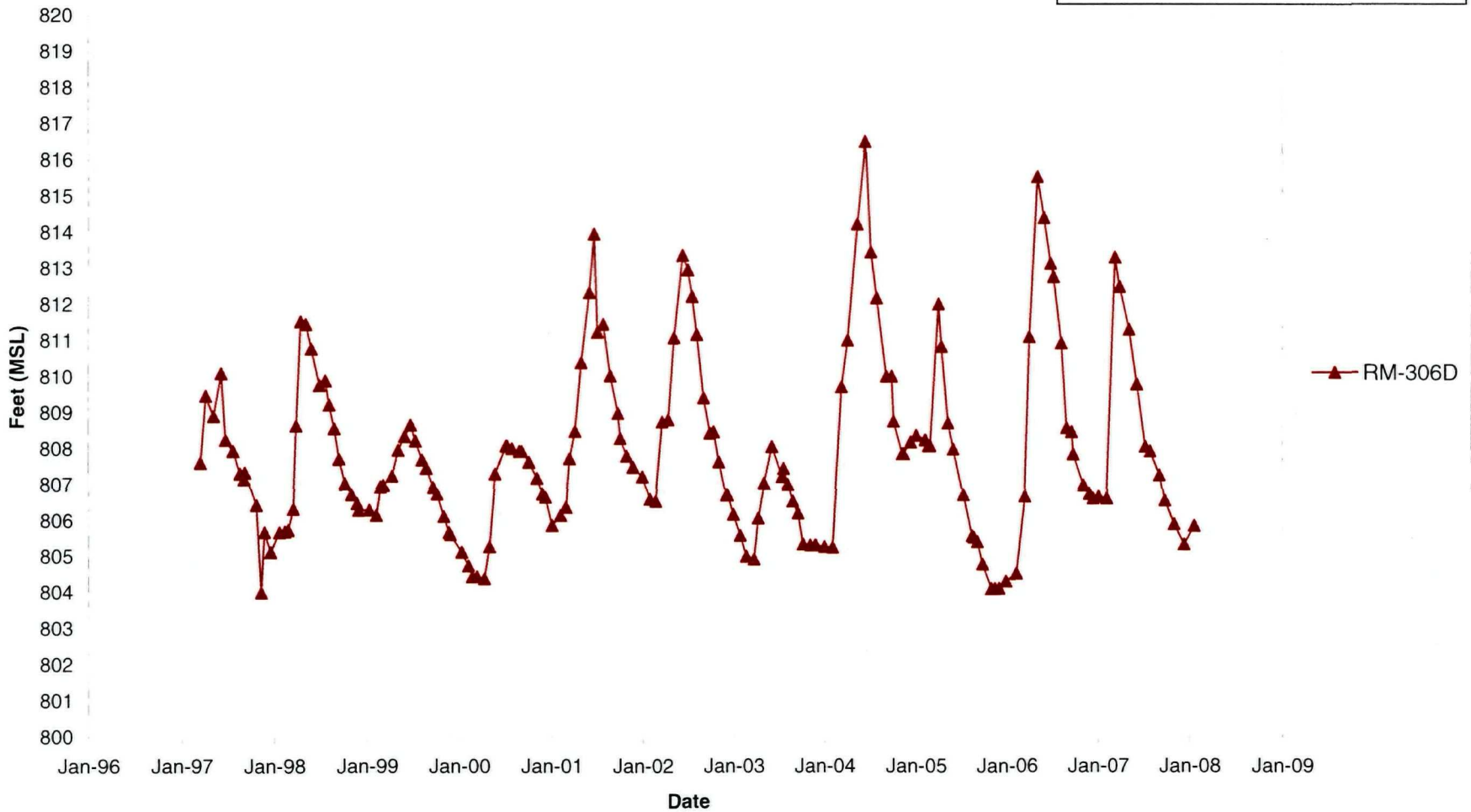
Groundwater Elevations Over Time
Lemberger Landfill





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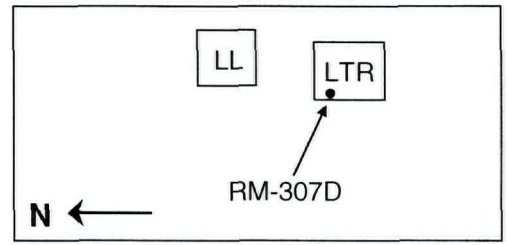
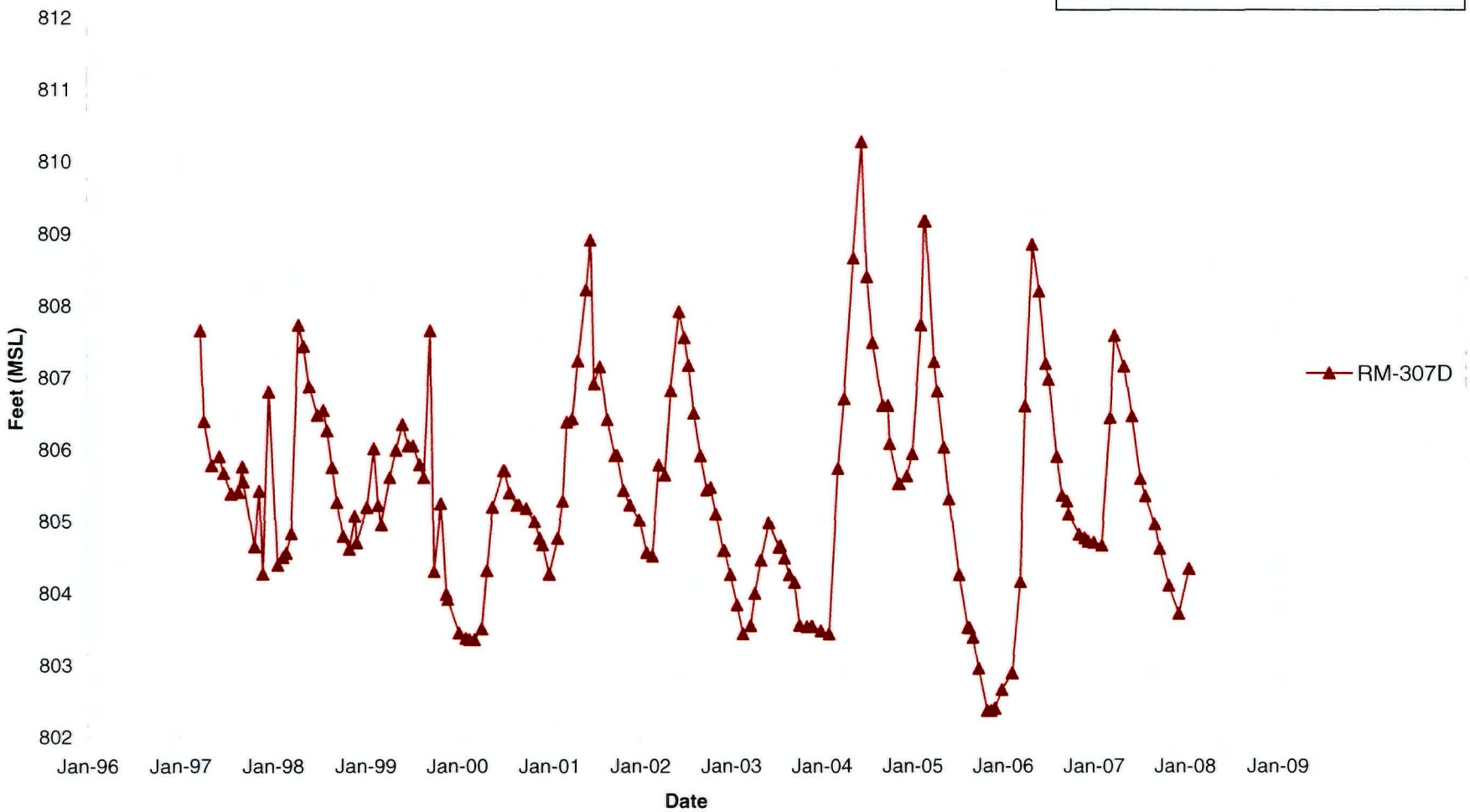
Groundwater Elevations Over Time
Lemberger Landfill





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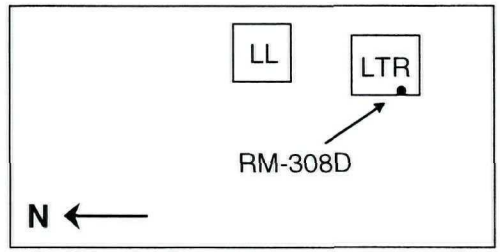
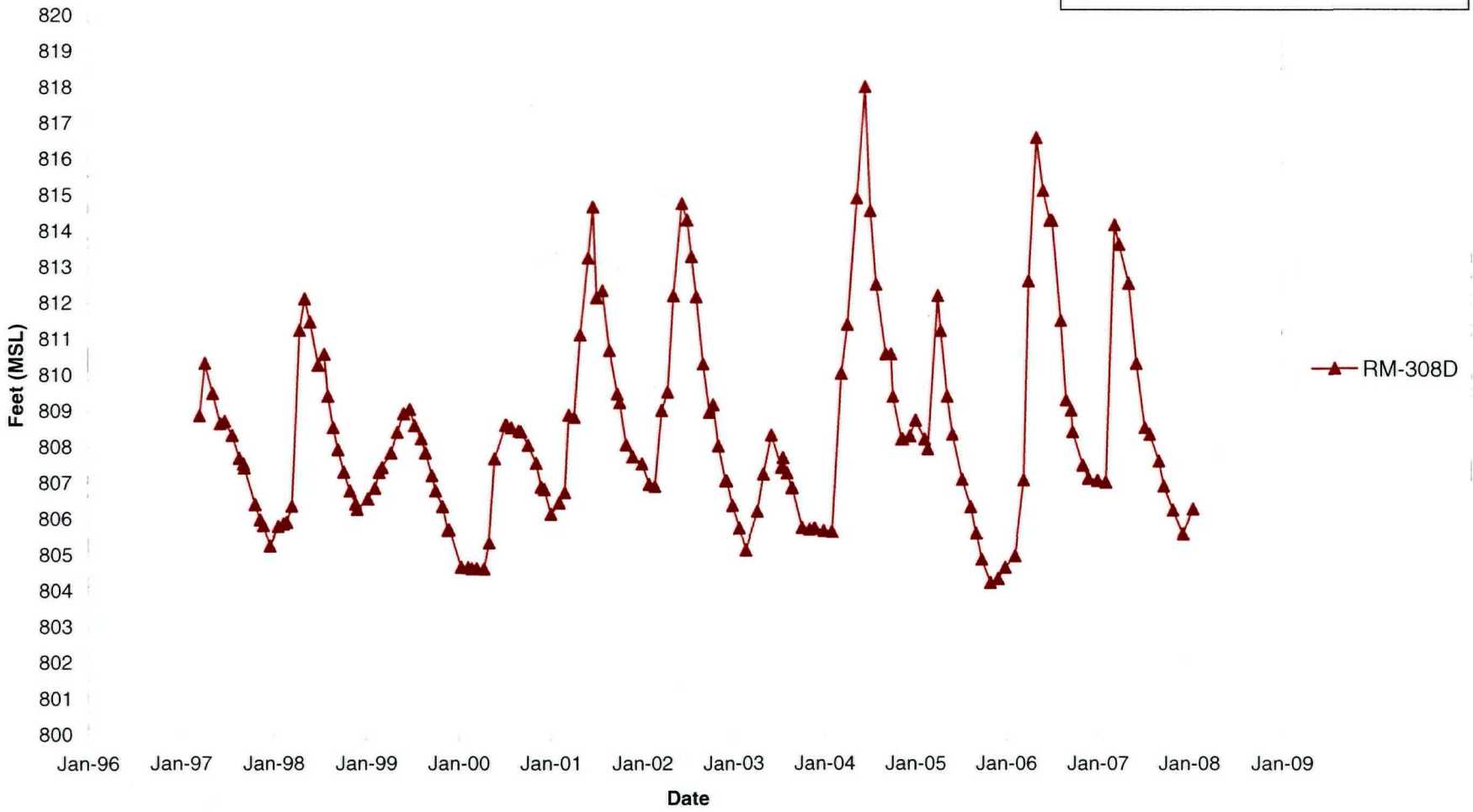
Groundwater Elevations Over Time
Lemberger Landfill





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APPENDIX B

Appendix B
Laboratory Analytical Results

Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-002I 7/12/06	RM-002I DUP 7/12/06	RM-002I 9/26/06	RM-002I 4/17/07	RM-002I DUP 4/17/07	RM-002I 10/26/07	RM-003D 7/13/06	RM-003D 9/21/06	RM-003D 12/21/06	RM-003D 4/10/07	RM-003D 7/27/07	RM-003D DUP 7/27/07	RM-003D 10/25/07	RM-003D 12/27/07	RM-003I 7/13/06	RM-003I 9/21/06	RM-003I 12/21/06
FIELD PARAMETERS																		
ALKALINITY, FIELD	MG/L	590	--	275	--	--	212	520	302	--	--	272	--	220	--	323	266	--
CARBON DIOXIDE, FIELD	MG/L	62	--	188	--	--	108	450	204	--	--	98	--	128	--	70	144	--
CONDUCTANCE, SPECIFIC	UMHOS/CM	652	--	647	--	--	623	688	722	730	--	703	--	716	693	556	605	503
DISSOLVED OXYGEN, FIELD	MG/L	3 65	--	0 28	--	--	0.94	2 64	2 48	3 15	--	2 56	--	2 73	2 94	1 39	0 40	3 11
EH, FIELD	MV	218	--	194	--	--	239	167	290	281	--	266	--	291	326	113	185	177
FERROUS IRON, FIELD	MG/L	<0 2	--	0	--	--	0	<0 2	0	--	--	0	--	0	0	<0 2	0	--
PH, FIELD	SU	7 37	--	7.26	--	--	7 6	7.03	6 98	7 11	--	7 13	--	7 23	7 50	9 16	7 89	11 03
TEMPERATURE	DEG C	11 2	--	10 7	--	--	9 9	11 1	10 0	9 1	--	10 9	--	10	9 3	10 6	10.1	8 2
TURBIDITY, FIELD	NTU	1	--	1	--	--	0	1	0	0	--	0	--	0	0	84	29	32
INDICATOR PARAMETERS																		
ALKALINITY AS CACO3, TOTAL	MG/L	320	320	310	330	330	320	330	340 Nj	--	340	--	--	350	--	200	--	--
CHLORIDE, TOTAL	MG/L	11 A	11 A	10 A	10	10	9 6	15 A	15 A	--	14	--	--	14	--	13 A	--	--
ETHANE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	--	<10	--	--	<10	--	<10	--	--
ETHENE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	--	<10	--	--	<10	--	<10	--	--
METHANE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	--	<10	--	--	<10	--	<10	--	--
NITROGEN, NITRATE, TOTAL	MG/L	1 5	1 5	1 8	1 5 N	1 5	1 1	4 8	5 0	--	4 6	--	--	4 7	--	0 70	--	--
NITROGEN, NITRITE, TOTAL	MG/L	<0 040	<0 040	<0 040	<0 036	<0 036	<0 036 j	<0 040	<0 040 N	--	<0 036	--	--	<0 036 Nj	--	<0 040 N	--	--
PH, LABORATORY	SU	7.6 HF	7.7 HF	7 6 HF	7.6 HF	7.4 HF	7 4 HF	7 7 HF	7 4 HF	--	7 2 HF	--	--	7 1 HF	--	8 2 HF	--	--
SULFATE, TOTAL	MG/L	40	40	35	37	38	31	28	27	--	28	--	--	30	--	20	--	--
TOTAL INORGANIC CARBON	MG/L	75	73	81	78	75	66	78	90	--	85	--	--	76	--	58	--	--
TOTAL ORGANIC CARBON AS NPOC	MG/L	<0 72 A	1 3 QA	<0 72	<1 4	<1 4	1 4 Q	<0 72 A	<0 72	--	<1 4	--	--	<1 4	--	<0 72 A	--	--
METALS																		
ALUMINUM, DISSOLVED	UG/L	<40	<40	<6 3	8 4 Q	27	4 8 QAu	<40	11 QAu	<6 3	<6 3	<4 4	<4 4	7 5 QAu	<4 4	<40	9 5 QAu	<6 3
ANTIMONY, DISSOLVED	UG/L	<0 40	<0 40	<0 24	0 34 Q	0 59 Q	<0 10	<0 40	0 40 Q	<0 24	<0 24	<0 10	<0 10	0 16 Q	<0 10	<0 40	<0 24	<0 24
ARSENIC, DISSOLVED	UG/L	0 49 Q	0.51 Q	0 28 Q	0.49	0 79	0 36	0 50 Q	0 30 Q	<0 13	<0 13	0 22 QAu	0 30 QAu	0 32	0 22 Qu	<0 40	<0.13	<0 13
BARIUM, DISSOLVED	UG/L	64	57	56	55	55	48	32	31	34	32	31	31	31	31	54	41	62
BERYLLIUM, DISSOLVED	UG/L	<0 40	<0 40	<0 10	<0 10	0 12 Q	<0 070	<0 40	<0 10	<0.10	<0 10	<0 070	<0 070	0 080 QAu	<0 070	<0 40	<0 10	<0 10
CADMIUM, DISSOLVED	UG/L	<0 40	<0 40	<0 14	0.18 Q	0 40 Q	<0 097	<0 40	<0 14	<0 12	<0 12	<0 097	<0 097	<0 097	0.10 Qu	<0.40	<0 14	<0 12
CALCIUM, DISSOLVED	UG/L	64000	70000	74000	68000	68000	67000	75000	81000	77000	79000	84000	86000	83000	79000	69000	66000	57000
CHROMIUM, DISSOLVED	UG/L	1 8 u	1 7 u	0 59 Q	3 5	3 9	9 4	0 63 Qu	0 60 Q	14	0 73 Q	1 5	0 58 Q	0 68 Q	1 2 Qu	4 4 u	1 2	9 5
COBALT, DISSOLVED	UG/L	1 8	<0.40	0 60	0 35	0 93	2 2 A	1 4	0.10	0 11 u	0 25 A	0 22	0 10 Q	0 40 Au	0 47 u	1 3 Q	0 58	3 7
COPPER, DISSOLVED	UG/L	<2 0	<2 0	0 59	0 85 Qu	1 2 Qu	0 55	<2 0	0 56	0 60 u	0 72 Qu	0 90 Au	0 92 Au	0 95	1.0 u	<2 0	0 79	0 88
IRON, DISSOLVED	UG/L	150	130 Q	120	290	330	87 Au	150	150	130	240	230	240	130 Au	1100	130 Q	120	110
LEAD, DISSOLVED	UG/L	<0 40	<0 40	<0 049	2 0	0 53 u	<0 044	<0 40	<0 049	<0 049	<0 049	<0 044	<0 044	0 15 Au	0 050 Qu	<0 40	<0 049	<0 049
MAGNESIUM, DISSOLVED	UG/L	37000	42000	39000	38000	39000	34000	41000	43000	37000	40000	43000	45000	38000	37000 Nj	37000	43000	29000
MANGANESE, DISSOLVED	UG/L	4 8	1 1 Q	1 3 Au	0 66 A	1 6 A	4 1 A	2 5	1 2 Au	0 13 Q	0 47 Au	0 45	0 25 Q	0 59 A1u	0 62 Au	40	88	59
MANGANESE, TOTAL	UG/L	1 2 Q	1 6 Q	0 66 Au	0 76 Au	0 88 Au	<0 66	1 9 Q	0 17 Q	--	0 14 Q	--	--	<0 66	--	73	--	--
MERCURY, DISSOLVED	UG/L	<0 072	<0 072	<0 072	<0 013	<0 013	<0 10	<0 072	<0 072	<0 072	<0 072	<0 10	<0 10	<0.10	<0 10	<0 072	<0.072	<0 072
NICKEL, DISSOLVED	UG/L	2 1 Q	1 8 Q	0 96 Q	2 1	2 6	0 78 Au	2 2 Q	1 4	0 73 Q	1 8	1 2	1 1	0 65 Au	2 4	4 1	3 8	3 8
POTASSIUM, DISSOLVED	UG/L	3000	2800	1300	3500	3700	6300	1300	1300	1300	1300	1200	1300	1200 Ej	1200	2000	1500	2300
SELENIUM, DISSOLVED	UG/L	<4 0	<4 0	<0 67	<0 67	<0 67	1 2 Au	<4 0	0 71 Qu	<0 67	<0 67	0 31 QAu	0 53 Au	1 1 Au	0 55 Au	<4 0	<0 67	<0 67
SILVER, DISSOLVED	UG/L	<0 40	<0 40	<0 034	<0 034 A	0 30 A	<0 11	<0 40	<0 034	<0 034	<0 034	<0.11	<0 11	0 25 Q	<0 11	<0.40	<0.034	<0 034
SODIUM, DISSOLVED	UG/L	5100	5500	4700	5300	6000	6800	4900	5500	4900	4800	4800	5000	4600	4500	5300	5000	5300
THALLIUM, DISSOLVED	UG/L	<0 40	<0.40	<0 053	0 25	0 49	<0 030	<0 40	<0 053	<0 053	<0 053	<0 030	<0 030	0 11 Au	<0 030	<0 40	<0 053	<0 053
VANADIUM, DISSOLVED	UG/L	<1 2	<1 2	0 29 Q	0 69 u	1 0 u	0 43 Q	<1 2	0 81	0 46 u	0 59	<0 41	<0 41	0 50 Q	<0 41	<1 2	0.81	0 55 u
ZINC, DISSOLVED	UG/L	<4 0	<4 0	6 2 Au	4 4 Au	6 6 Au	<2.1	<4 0	2 7 QAu	4 0 Au	5 0 Au	3 1 QAu	3.2 QAu	<2.1	7.2 Au	<4 0	7.3 Au	5 1 Au

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-002I 7/12/06	RM-002I DUP 7/12/06	RM-002I 9/26/06	RM-002I 4/17/07	RM-002I DUP 4/17/07	RM-002I 10/26/07	RM-003D 7/13/06	RM-003D 9/21/06	RM-003D 12/21/06	RM-003D 4/10/07	RM-003D 7/27/07	RM-003D DUP 7/27/07	RM-003D 10/25/07	RM-003D 12/27/07	RM-003I 7/13/06	RM-003I 9/21/06	RM-003I 12/21/06
VOLATILE ORGANICS																		
1,1,1-TRICHLOROETHANE	UG/L	<0 90	<0 90	<0 90	<0 90	<0 90	1 8 Q	34	59	40	42	57	57	44	41	1 3 Q	2 1 Q	1 2 Q
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0.20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42	<0.42	<0.42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42
1,1-DICHLOROETHANE	UG/L	<0 75	<0 75	<0 75	<0 75	<0 75	1 5 Q	13	23	16	17	24	24	16	17	0 96 Q	1 5 Q	0 86 Q
1,1-DICHLOROETHENE	UG/L	<0 57	<0 57	<0 57	<0 57	<0.57	<0 57 &	3 2	4 9	3 2	3 4	4.2	4 2	3 5	3 3	<0 57	<0 57	<0 57
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36	<0.36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	<1 4	<1 4	<1.4	--	--	--	7 0	12	7 9	--	--	--	--	--	<1 4	<1 4	<1 4
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3	<4.3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4.3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3
2-HEXANONE	UG/L	<1.1	<1.1	<1.1	<1.1	<1 1	<1 1 &	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1.1
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2
ACETONE	UG/L	<2 3	<2.3	<2 3 *	<2 3	<2 3	<2 2 &	<2 3	<2 3	<2 3	<2 3	<2 2	<2 2	<2 2 &	<2 2	<2 3	<2 3	3 2 Qu
BENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0.56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0.49	<0 49	<0 49	<0 49	<0 49	<0.49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0.81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37
CHLOROMETHANE	UG/L	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83	<0 83	<0 83	<0 83	0 89 Q	7 0	12	7 9	7 3	10	11	7 7	8 8	<0 83	<0 83	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	0.51 Qu	<0.43	<0 43	<0 43
STYRENE	UG/L	<0 86	<0 86	<0 86	<0.86	<0 86	<0 86	<0 86	<0.86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0.86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	2 2 Xu	1 7 Xu	<0 45	<0 45	<0 45	<0.45	2 8 Xu	<0.45	<0.45	<0 45	<0 45	<0 45	<0 45	<0 45	2 0 Xu	<0.45	<0 45
TOLUENE	UG/L	<0 67	<0.67	<0 67	<0 67	<0 67	<0.67	<0 67	<0 67	<0 67	<0 67	<0 67	<0.67	<0 67	<0 67	<0 67	<0.67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89	<0.89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0.89	<0 89	<0.89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0.19
TRICHLOROETHENE	UG/L	<0 48	<0 48	<0 48	<0.48	<0 48	<0 48	3 2	4 7	3 9	3 8	4 8	4 9	4 1	4 1	<0 48	<0 48	<0 48
VINYL CHLORIDE	UG/L	<0 18	<0 18	<0 18	<0.18	<0 18	<0 18	<0 18	<0 18	<0 18	<0.18	<0 18	<0.18	<0 18	<0 18	<0 18	<0 18	<0 18
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6

Notes

Baseline MNA monitoring was conducted in July 2006

Laboratory and data validation qualifier key in Table B5.

"--" = not analyzed

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-003I 4/10/07	RM-003I 7/30/07	RM-003I 10/25/07	RM-003I 12/27/07	RM-004D 7/19/06	RM-004D 8/1/07	RM-004S 7/19/06	RM-004S 8/1/07	RM-005D 7/20/06	RM-005D DUP 7/20/06	RM-005D 9/27/06	RM-005D 12/16/06	RM-005D 4/23/07	RM-005D 7/27/07	RM-005D 11/1/07	RM-005D DUP 11/1/07	RM-005D 1/16/08
FIELD PARAMETERS																		
ALKALINITY, FIELD	MG/L	--	216	164	--	65	348	65	404	320	--	298	--	--	244	258	--	--
CARBON DIOXIDE, FIELD	MG/L	--	62	98	--	188	192	124	176	138	--	116	--	--	132	106	--	--
CONDUCTANCE, SPECIFIC	UMHOS/CM	--	542	607	605	1091	954	1034	1050	741	--	757	760	--	750	767	--	768
DISSOLVED OXYGEN, FIELD	MG/L	--	1 20	0 48	0.10	1 24	6 14	0 51	1 45	1.19	--	1 58	1 81	--	1 68	1 63	--	1 16
EH, FIELD	MV	--	146	235	205	224	280	79	241	139	--	294	258	--	220	294	--	288
FERROUS IRON, FIELD	MG/L	--	0	0	0	0 4	0 1	<0 2	0	<0 2	--	0	--	--	0	0	--	0
PH, FIELD	SU	--	9 23	7 53	7 77	7 19	7.62	7 23	7 37	7 16	--	7 02	7 05	--	7 14	7 19	--	7 13
TEMPERATURE	DEG C	--	10 7	9 2	8 1	11 2	11 7	10 5	12	12 7	--	10 1	9 7	--	10 8	9 9	--	9 5
TURBIDITY, FIELD	NTU	--	49	0	3	78	24	85	22	1	--	0	0	--	0	0	--	0
INDICATOR PARAMETERS																		
ALKALINITY AS CACO3, TOTAL	MG/L	--	190	--	--	480	400	390	410	330	330 Hhj	350	--	350	--	340	350	--
CHLORIDE, TOTAL	MG/L	--	13	--	--	59 A	49	79	78	17 A	17 A	18 A	--	21	--	19	19	--
ETHANE	UG/L	--	<10	--	--	<10	<10	<10	<10	<10	<10	<10	--	<10	--	<10	<10	--
ETHENE	UG/L	--	<10	--	--	<10	<10	<10	<10	<10	<10	<10	--	<10	--	<10	<10	--
METHANE	UG/L	--	<10	--	--	<10	<10	<10	<10	<10	<10	<10	--	<10	--	<10	<10	--
NITROGEN, NITRATE, TOTAL	MG/L	--	1 2	--	--	1 0	1 7	0 60 N	0 29	6 5	6 4	6 5	--	7 6	--	7 0 j	7 0	--
NITROGEN, NITRITE, TOTAL	MG/L	--	<0 036 N	--	--	<0 040	<0 036	<0 040	<0 036	<0 040	<0 040	<0 040	--	<0 036	--	<0 036	<0 036	--
PH, LABORATORY	SU	--	8 5 HF	--	--	7 3 HF	7 7 HF	7 5 HF	7 5 HF	7 3 HF	7 5 HF	7.3 HF	--	7.2 HF	--	7.2 HF	7 2 HF	--
SULFATE, TOTAL	MG/L	--	21	--	--	19	28	65	59	26 A	26 A	28	--	33	--	30	30	--
TOTAL INORGANIC CARBON	MG/L	--	40	--	--	120	92	91	100	84	83	87	--	86	--	84	84	--
TOTAL ORGANIC CARBON AS NPOC	MG/L	--	<1 4	--	--	5 4	2 8 Q	2 2 Q	<1 4	<0 72	<0 72	0 76 Q	--	<1 4	--	<1.4	<1 4	--
METALS																		
ALUMINUM, DISSOLVED	UG/L	<6 3	<4 4	<4 4	6 2 Qu	<40	<4 4	<40	--	<40	<40	<6 3	<6 3	8.2 Q	<4 4	<4 4	<4 4	<4 4
ANTIMONY, DISSOLVED	UG/L	<0 24	<0.10	<0 10	0 29 Qu	<0 40	0 12 Q	<0 40	--	<0 40	<0 40	<0 24	<0 24	<0 24	<0 10	<0 10	<0.10	<0 10
ARSENIC, DISSOLVED	UG/L	<0.13	0 16 QAu	<0 093	0 44 u	<0 40	0 16 Q	<0 40	--	<0 40	<0 40	0 16 Qu	0 21 QA	0 33 Q	0 10 QAu	0 23 QAu	0.18 QAu	0 25 Qu
BARIUM, DISSOLVED	UG/L	58	50	43	41	26	19	76	--	40	40	39	41	42	39	35	34	35
BERYLLIUM, DISSOLVED	UG/L	<0.10	<0 070	<0 070	0 11 Qu	<0 40	<0 070	<0 40	--	<0 40	<0 40	<0 10	<0 10	<0 10	<0 070	<0 070	<0 070	<0 070
CADMIUM, DISSOLVED	UG/L	<0 12	<0 097	<0 097	0 12 Qu	<0.40	<0 097	<0 40	--	<0 40	<0 40	<0 14	<0 12	<0.12	<0 097	<0.097	<0.097	<0 097
CALCIUM, DISSOLVED	UG/L	69000	68000	70000	68000 Ej	100000	89000	98000	--	87000	80000	84000	90000	82000	91000	87000 j	86000	81000
CHROMIUM, DISSOLVED	UG/L	4 8	4 0	1 2 Q	<0 43	1 3 Qu	4 0	2 0 u	--	1 4 u	1 2 Qu	2 3	0 68 Q	0 92 Q	0 66 Q	0 47 Q	0 75 Q	0 47 Qu
COBALT, DISSOLVED	UG/L	1 4	0 34	0.97 A	0 55 u	2 2	3 0	3 8	--	2.5	<0 40	0 75	0 14 u	1 4	0 57	1 2 Au	1 2 Au	0 67 u
COPPER, DISSOLVED	UG/L	0 90 Qu	0 97 AXu	1 0	1 3 u	2 6 Q	3 0 AXu	<2 0	--	<2 0	<2 0	1 9	0 91 u	1 2 Qu	1.2 Au	0 93 u	1 0 u	1 2 u
IRON, DISSOLVED	UG/L	210	190	110 Au	990	270	280	240	--	170	160	150	150	490	260	110 Au	92 Au	150 A
LEAD, DISSOLVED	UG/L	0 090 QA	<0 044	0 060 QAu	0 14 Qu	<0 40	<0 044	<0 40	--	<0 40	<0 40	<0 049	<0 049	<0 049	<0 044	<0 044	<0 044	<0 044
MAGNESIUM, DISSOLVED	UG/L	36000	39000	37000	36000	60000	55000	53000	--	42000	41000	42000	49000	42000	47000	47000 j	38000	44000
MANGANESE, DISSOLVED	UG/L	46	48	110	100	330	180	17 A	--	4 8 A	1 2 QA	1 3 Au	0 44 A	0 59	0 53	0 60 Au	0 66 Au	0 17 QAu
MANGANESE, TOTAL	UG/L	--	54	--	--	3700	990	160	40	4 4	4 5	0 67 Au	--	1.3 A	--	0 75 Au	2.1 Au	--
MERCURY, DISSOLVED	UG/L	<0 072	<0.10	<0 10	<0 10	<0 072	<0 10 A	<0.072	--	<0 072	<0 072	<0 072	<0 072	<0 013 A	<0 10	<0 10	<0.10	<0 10
NICKEL, DISSOLVED	UG/L	4 0	3 4	3 6 Au	4 9	110	94	260	--	3 7 Q	3 0 Q	2 3	1 6	3 0	1 6	0 88 Au	1 2 Au	1 3 u
POTASSIUM, DISSOLVED	UG/L	2100	2000	1400	1200	820	710	2500	--	1600	1600	1500	1600	1600	1500	1400 A	1700	1400
SELENIUM, DISSOLVED	UG/L	<0 67	0 33 QAu	0 18 QAu	1 0 Au	<4.0	0 35 Q	<4 0	--	<4 0	<4 0	<0 67	<0 67	1 1 Q	0 57 Au	1 7	1 0	1 1 u
SILVER, DISSOLVED	UG/L	<0 034	<0 11	<0.11	0 13 Qu	<0.40	<0 11	<0 40	--	<0 40	<0 40	<0 034	0 74 A	<0 034 A	<0.11	<0 11	<0 11	<0 11
SODIUM, DISSOLVED	UG/L	5300	5400	4700	4000	6700	7200	20000	--	5800	6200	5700	5900	6000	5700	5700	5200	5500
THALLIUM, DISSOLVED	UG/L	<0 053	<0 030	<0 030	0 090 Qu	<0 40	<0 030 A	<0 40	--	<0 40	<0 40	<0 053	0 060 Q	<0 053	<0 030	<0 030	<0 030	0 060 QAu
VANADIUM, DISSOLVED	UG/L	0 61 u	<0 41	0 53 Q	0 58 Q	<1 2	<0 41	<1 2	--	<1 2	<1 2	0 37	0 41	0 48 u	<0 41	<0 41	<0.41	<0 41
ZINC, DISSOLVED	UG/L	4 0 Au	2.4 QAu	7 2	6 6 QAu	8 6 QAu	5 9 QAu	12 QAu	--	<4.0	5.7 QA	11 Au	3 9 Au	2 7 Qau	3 1 QAu	3 1 QAu	3 0 QAu	4 8 QAu

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-003I 4/10/07	RM-003I 7/30/07	RM-003I 10/25/07	RM-003I 12/27/07	RM-004D 7/19/06	RM-004D 8/1/07	RM-004S 7/19/06	RM-004S 8/1/07	RM-005D 7/20/06	RM-005D DUP 7/20/06	RM-005D 9/27/06	RM-005D 12/16/06	RM-005D 4/23/07	RM-005D 7/27/07	RM-005D 11/1/07	RM-005D DUP 11/1/07	RM-005D 1/16/08
VOLATILE ORGANICS																		
1,1,1-TRICHLOROETHANE	UG/L	1 8 Q	1.9 Q	1 9 Q	1 8 Q	<0 90	<0 90	<0.90	<0 90	27	25	32	29	29	28	31	34	30
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0.20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0.42	<0 42	<0 42	<0 42	<0 42	<0.42	<0 42
1,1-DICHLOROETHANE	UG/L	0.88 Q	0 76 Q	0 81 Q	0 82 Q	<0 75	<0 75	<0 75	<0 75	13	13	14	15	14	15	14	15	16
1,1-DICHLOROETHENE	UG/L	<0 57	<0 57	<0 57 &	<0 57	<0 57	<0 57	<0 57	<0 57	2 4	2 5	3 0	3 3	3 1	3 0	3 4	3 9	3 4
1,2-DICHLOROETHANE	UG/L	<0 36	<0.36	<0 36	<0 36	<0 36	<0.36	<0 36	<0 36	<0.36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	--	--	--	--	<1.4	--	<1 4	--	8 7	8 6	9 1	9.7	--	--	--	--	--
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0.46	<0 46
2-BUTANONE	UG/L	<4 3	<4 3	<4 3	<4 3	<4 3 &	<4 3	<4 3 &	<4 3	<4 3 &	<4.3 &	<4 3	<4.3	<4 3	<4 3	<4 3	<4 3	<4 3 &
2-HEXANONE	UG/L	<1.1	<1 1	<1.1 &	<1 1	<1.1	<1 1	<1.1	<1 1	<1.1	<1 1	<1 1	<1.1	<1 1	<1.1	<1 1	<1.1	<1.1 &*
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2	<1.2	<1 2	<1.2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1.2	<1 2	<1 2	<1.2
ACETONE	UG/L	3 4 Q	<2 2	<2.2 &	<2 2	3 9 Qu	<2 2	<2 3	<2 2	<2 3	3 7 Qu	<2 3	<2 3	<2 3	<2 2	<2.2	<2 2	<2.2 &
BENZENE	UG/L	<0 41	<0 41	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41	<0.41	<0 41	<0.41	<0 41	<0 41	<0.41	<0 41	<0 41	<0.41
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0.56	<0 56	<0 56	<0.56
BROMOFORM	UG/L	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0.49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0.49	<0 49	<0 49	<0.49	<0 49	<0 49	<0 49	<0 49
CHLOROBENZENE	UG/L	<0.41	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0.41	<0.41	<0 41	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0.81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<0.97	<0.97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37	<0 37	<0.37	<0 37	<0.37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37
CHLOROMETHANE	UG/L	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	0 70 Qu	0 84 u	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	8 7	8 6	9 1	9 7	9 0	9 0	8 1	8 4	9 4
CIS-1,3-DICHLOROPROPENE	UG/L	<0.19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19
ETHYLBENZENE	UG/L	<0 54	<0.54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0.54	<0 54	<0 54	<0 54	<0.54	<0 54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0.43	<0 43	<0.43	<0.43	<0.43	<0.43	<0.43	<0 43
STYRENE	UG/L	<0 86	<0 86	<0.86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0.86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	<0 45	<0 45	<0.45	<0 45	1 6 Xu	<0 45	2 1 Xu	<0 45	1 4 QXu	1 2 QXu	<0.45	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45
TOLUENE	UG/L	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0.67	<0 67	<0.67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0.89	<0 89	<0 89	<0.89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19
TRICHLOROETHENE	UG/L	<0 48	<0 48	<0 48	<0 48	<0 48	<0.48	<0.48	<0 48	2.7	2 9	4 0	3 6	3 4	3 2	3 0	3 5	3 3
VINYL CHLORIDE	UG/L	<0 18	<0.18	<0 18	<0 18	<0.18	<0 18	<0 18	<0 18	<0 18	<0.18	<0 18	<0 18	<0.18	<0 18	<0.18	<0.18	<0 18
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2.6	<2 6	<2 6	<2.6	<2.6	<2 6	<2 6	<2.6	<2 6	<2.6	<2.6	<2 6	<2.6	<2 6	<2 6

Notes:

Baseline MNA monitoring was conducted in July 2006

Laboratory and data validation qualifier key in Table B5

"--" = not analyzed

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-005I 7/20/06	RM-005I 9/27/06	RM-005I 12/16/06	RM-005I DUP 12/16/06	RM-005I 4/23/07	RM-005I 7/27/07	RM-005I 11/1/07	RM-005I 1/16/08	RM-005S 7/20/06	RM-005S 9/27/06	RM-005S 12/16/06	RM-005S 4/23/07	RM-005S 7/27/07	RM-005S 11/1/07	RM-005S 1/16/08	RM-007D 7/14/06	RM-007D 9/21/06
FIELD PARAMETERS																		
ALKALINITY, FIELD	MG/L	357	315	--	--	--	276	244	--	394	343	--	--	340	318	--	495	472
CARBON DIOXIDE, FIELD	MG/L	240	218	--	--	--	126	104	--	202	1732	--	--	192	146	--	260	244
CONDUCTANCE, SPECIFIC	UMHOS/CM	714	12	738	--	--	718	745	751	1097	1070	1075	--	1018	1082	997	984	1005
DISSOLVED OXYGEN, FIELD	MG/L	0 81	1 20	1 38	--	--	1 76	1 15	1 58	0 41	1 64	4 46	--	2 58	1 35	3.15	2 49	6 08
EH, FIELD	MV	191	237	256	--	--	278	281	308	119	172	220	--	262	268	336	224	278
FERROUS IRON, FIELD	MG/L	<0 2	0	--	--	--	0	0	0	0 5	0	--	--	0	0	0	<0 2	0
PH, FIELD	SU	7 19	7 08	7 14	--	--	7 17	7 23	7 22	6 90	6.86	7 01	--	6 97	6 99	7 08	6 80	6 84
TEMPERATURE	DEG C	11 3	9 8	8 2	--	--	11 9	9 1	7 6	13 1	12 0	8 9	--	13 1	11 6	6 6	10 5	9 9
TURBIDITY, FIELD	NTU	11	12	9	--	--	17	0	4	70	23	6	--	22	10	6	3	1
INDICATOR PARAMETERS																		
ALKALINITY AS CACO3, TOTAL	MG/L	340	330	--	--	350 N	--	340	--	380	390	--	360	--	420	--	490	490
CHLORIDE, TOTAL	MG/L	14 A	15 A	--	--	18	--	17	--	53 A	56	--	42	--	62	--	15 A	14 A
ETHANE	UG/L	<10	<10	--	--	<10	--	<10	--	<10	<10	--	<10	--	<10	--	<10	<10
ETHENE	UG/L	<10	<10	--	--	<10	--	<10	--	<10	<10	--	<10	--	<10	--	<10	<10
METHANE	UG/L	<10	<10	--	--	<10	--	<10	--	<10	<10	--	11	--	<10	--	<10	<10
NITROGEN, NITRATE, TOTAL	MG/L	4 5	5 0	--	--	6 2	--	5 5	--	0 25 Q	0.42	--	0 25 Q	--	0 39	--	2 1	1 7
NITROGEN, NITRITE, TOTAL	MG/L	<0.040	<0 040	--	--	<0 036	--	<0 036	--	<0 040	<0 040	--	<0 036	--	<0 036	--	<0 040	<0.040
PH, LABORATORY	SU	7 6 HF	7 4 HF	--	--	7 2 HF	--	7 3 HF	--	7 1 HF	7 1 HF	--	7 1 HF	--	7 1 HF	--	7 0 HF	7.1 HF
SULFATE, TOTAL	MG/L	25 A	25	--	--	30	--	28	--	99	100	--	81	--	100	--	43	50
TOTAL INORGANIC CARBON	MG/L	82	88	--	--	84	--	84	--	97	110	--	88	--	100	--	120	130
TOTAL ORGANIC CARBON AS NPOC	MG/L	<0 72	<0 72	--	--	<1.4	--	<1 4	--	2 7	3 1	--	2 2 Q	--	2 7 Q	--	3 1 A	1 8 Q
METALS																		
ALUMINUM, DISSOLVED	UG/L	<40	<6 3	<6 3	<6 3	<6 3	<4 4	5 8 Q	9 2 QAu	<40	<6 3	<6 3	<6 3	5 7 Q	20	6 3 QAu	<40	<6 3
ANTIMONY, DISSOLVED	UG/L	<0.40	<0 24	<0 24	<0 24	<0.24	<0 10	<0 10	0 20 QAu	<0 40	<0 24	<0 24	<0 24	<0 10	0 12 Q	0 24 QAu	<0 40	<0 24
ARSENIC, DISSOLVED	UG/L	<0 40	0 20 Qu	0 20 QA	0 16 QA	0 29 Q	0 17 QAu	0 61 Au	0 37 u	<0 40	0 30 Qu	0 24 QA	0 17 Q	0.13 QAu	0 49 Au	0 31 Qu	<0 40	<0 13
BARIUM, DISSOLVED	UG/L	37	34	36	36	39	36	35	35	48	50	43	37	48	66	35	78	82
BERYLLIUM, DISSOLVED	UG/L	<0 40	0 14 Q	<0 10	<0 10	<0.10	<0 070	<0 070	<0 070	<0 40	0.13 Q	<0 10	<0.10	<0 070	<0 070	<0 070	<0 40	<0 10
CADMIUM, DISSOLVED	UG/L	<0 40	<0 14	<0 12	<0 12	<0 12	<0 097	<0 097	<0 097	<0 40	<0 14	<0 12	<0 12	<0 097	<0 097	0 11 Qu	<0 40	<0 14
CALCIUM, DISSOLVED	UG/L	80000	81000	83000	79000	80000	85000	81000	83000	99000	110000	120000	89000	110000	110000	92000	110000	120000
CHROMIUM, DISSOLVED	UG/L	<0 40	0 73 Q	0 62 Q	<0 32	0 57 Q	2 7	0 43 Q	<0 43	0 41 Qu	1 3	0 67 Q	0 69 Q	1 3 Q	1 2 Q	1 2 Qu	1 5 u	1 7
COBALT, DISSOLVED	UG/L	0 71 Q	0 97	0 080 Qu	0 24 u	0 84	1 6	0 61 Au	2 5 u	1 4	0 60	0 69 u	0 95	0 27	3 8	0 58 u	1 7	0 15
COPPER, DISSOLVED	UG/L	<2 0	7 6	1.8 u	0.86 u	1 1 Qu	1 3 Au	0 90 u	1 2 u	2 2 Q	11	3 2 u	2 3	2 6 Au	2 5	3 3 u	2 0 Q	1 8
IRON, DISSOLVED	UG/L	220	160	190	190	410	230	32 Au	160 A	310	280	270	440	340	180 Au	280 A	270	220
LEAD, DISSOLVED	UG/L	<0 40	<0 049	<0 049	0 15 Qu	<0 049	<0 044	0.37 u	0 17 u	<0 40	<0 049	<0 049	<0 049	<0 044	0 12 Qu	0.070 Qu	<0 40	0 050 Qu
MAGNESIUM, DISSOLVED	UG/L	39000	39000	45000	42000	42000	44000	40000	45000	51000	56000	64000	46000	58000	54000	49000	56000	61000
MANGANESE, DISSOLVED	UG/L	2 0 Au	2 0 Au	0 71 A	0 89 A	2 2	3 6	1 5 Au	3 9 u	16 A	19	12 A	8 5	12	24	2 5 Au	6 2 1	1 4 Au
MANGANESE, TOTAL	UG/L	3 4	1 7 Au	--	--	1 3 A	--	4 9 u	--	28 Ej	49	--	34	--	49 u	--	4 4	4 4
MERCURY, DISSOLVED	UG/L	<0 072	<0 072	<0 072	<0 072	<0 013 A	<0 10	<0 10	<0 10	<0 072	<0 072	<0.072	<0 013 A	<0 10	<0 10	<0 10	<0 072	<0 072
NICKEL, DISSOLVED	UG/L	2 9 Q	1 3	1 5	1 1	2.2	1 5	0 69 Au	1 1 u	6 4	2 9	2.6	2 8	2 5	2 6	2 0 u	9.7	6 0
POTASSIUM, DISSOLVED	UG/L	1600	1400	1500	1600	1500	1600	1600	1500	1500	1600	1800	1400	1500	1800	1700	2300	2900
SELENIUM, DISSOLVED	UG/L	<4 0	<0 67	<0 67	<0 67	0 80 Q	0 47 QAu	0 61	0 81 u	<4 0	0 73 Q	<0 67	<0 67	<0.15	1 5	0 39 Qu	<4 0	<0 67
SILVER, DISSOLVED	UG/L	<0.40	<0 034	<0 034 A	<0 034 A	<0 034 A	<0 11	<0 11	<0 11	<0 40	<0 034	<0 034 A	<0 034 A	<0 11	<0 11	<0.11	<0 40	<0 034
SODIUM, DISSOLVED	UG/L	5100	4900	5500	5600	5300 A	5200	5200	5500	27000	31000	24000	21000	29000	43000	22000	7300	7400
THALLIUM, DISSOLVED	UG/L	<0 40	<0 053	<0 053	<0 053	<0.053	<0 030	0 040 Q	0 070 QAu	<0 40	<0 053	<0 053	<0 053	<0 030	<0 030	0 050 QAu	<0 40	<0 053
VANADIUM, DISSOLVED	UG/L	<1.2	0 60	0 71	0 72	0 83 u	0 50 Q	0 64 Q	0 64 Q	<1 2	0 78	0 78	0 70 u	0 64 Q	0 81 Q	0 59 Qu	<1 2	0 22 Q
ZINC, DISSOLVED	UG/L	<4 0	6 7 Au	4 4 Au	4 2 Au	4 0 Au	3 1 QAu	3 2 QAu	8 6 Au	<4 0	7 8 Au	5 6 Au	3 6 Au	3 0 QAu	6 4 QAu	8 2 Au	4 2 Q	4 2 Au

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-005I 7/20/06	RM-005I 9/27/06	RM-005I 12/16/06	RM-005I DUP 12/16/06	RM-005I 4/23/07	RM-005I 7/27/07	RM-005I 11/1/07	RM-005I 1/16/08	RM-005S 7/20/06	RM-005S 9/27/06	RM-005S 12/16/06	RM-005S 4/23/07	RM-005S 7/27/07	RM-005S 11/1/07	RM-005S 1/16/08	RM-007D 7/14/06	RM-007D 9/21/06
VOLATILE ORGANICS																		
1,1,1-TRICHLOROETHANE	UG/L	13	13	12	12	14	12	14	13	<0.90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	460	590
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0 20	<0.20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<1 0	<1 0
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0.42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<2 1	<2 1
1,1-DICHLOROETHANE	UG/L	6 0	5 7	6 4	6 4	6 7	6 1	6 2	7 0	<0.75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	290	400
1,1-DICHLOROETHENE	UG/L	0 98 Q	1 2 Q	1.0 Q	1 1 Q	1 2 Q	0 98 Q	1 4 Q	1 2 Q	<0 57	<0 57	<0 57	<0 57	<0 57	<0.57	<0.57	28	39
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<1 8	<1 8
1,2-DICHLOROETHENE, TOTAL	UG/L	2 9 Q	2 6 Q	3 0 Q	3 0 Q	--	--	--	--	<1 4	<1 4	<1 4	--	--	--	--	94	160
1,2-DICHLOROPROPANE	UG/L	<0 46	<0.46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<2 3	<2 3
2-BUTANONE	UG/L	<4 3 &	<4.3	<4 3	<4.3	<4 3	<4.3	<4 3	<4 3 &	<4 3 &	<4 3	<4 3	<4 3	<4.3	<4 3	<4 3 &	<22	<22
2-HEXANONE	UG/L	<1 1	<1.1	<1 1	<1.1	<1 1	<1.1	<1 1	<1.1 &*	<1 1	<1 1	<1 1	<1 1	<1.1	<1 1	<1 1 &*	<5 5	<5 5
4-METHYL-2-PENTANONE	UG/L	<1 2	<1.2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1.2	<1 2	<1 2	<6 0	<6 0
ACETONE	UG/L	<2 3	<2.3	<2 3	<2 3	<2 3	<2.2	<2 2	<2 2 &	3 5 Qu	<2 3	<2 3	<2.3	<2 2	<2.2	<2 2 &	<12	<12
BENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0.41	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<2 0	<2 0
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0.56	<0 56	<0 56	<0.56	<0.56	<2 8	<2 8
BROMOFORM	UG/L	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<4 7	<4 7
BROMOMETHANE	UG/L	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0.91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<4 6	<4 6
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<3 3	<3 3
CARBON TETRACHLORIDE	UG/L	<0.49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<2 4	<2 4
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<2 0	<2 0
CHLORODIBROMOMETHANE	UG/L	<0.81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<4 1	<4 1
CHLOROETHANE	UG/L	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0.97	<4 8	<4 8
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0.37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<1 8	<1 8
CHLOROMETHANE	UG/L	<0 24	<0 24	<0 24	<0.24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<1 2	<1 2
CIS-1,2-DICHLOROETHENE	UG/L	2 9	2 6 Q	3 0	3 0	3 4	2 7 Q	2 2 Q	3 2	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	94	160
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0.19	<0.19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 95	<0 95
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<2 7	<2 7
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0.43	<0.43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	0 56 Qu	<2 2	<2 2
STYRENE	UG/L	<0 86	<0 86	<0 86	<0 86	<0 86	<0.86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<4 3	<4 3
TETRACHLOROETHENE	UG/L	1 4 QXu	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45	<0.45	0 80 QXu	<0 45	<0 45	<0 45	<0 45	<0.45	<0 45	7 0 Q	2 7 Q
TOLUENE	UG/L	<0 67	<0 67	<0.67	<0 67	<0 67	<0.67	<0 67	<0 67	<0.67	<0 67	<0 67	<0 67	<0.67	<0 67	<0 67	<3 4	<3 4
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0.89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0.89	<0 89	<0 89	<0 89	<0 89	<4 4	<4.4
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0.19	<0 19	<0.19	<0 19	<0 19	<0 19	<0.19	<0.19	<0 19	<0 95	<0 95
TRICHLOROETHENE	UG/L	1 6 Q	1 5 Q	1 5 Q	1 6 Q	1 8	1.4 Q	1 3 Q	1 5 Q	2.4	3 0	2 3	1 9	2 4	2 6	1 3 Q	27	39
VINYL CHLORIDE	UG/L	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0.18	<0 18	<0 90	<0 90
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2.6	<2 6	<2.6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2.6	<13	<13

Notes:

Baseline MNA monitoring was conducted in July 2006

Laboratory and data validation qualifier key in Table B5

"--" = not analyzed

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-007D 12/18/06	RM-007D DUP 12/18/06	RM-007D 4/24/07	RM-007D 8/1/07	RM-007D 10/31/07	RM-007D 1/10/08	RM-007D DUP 1/10/08	RM-007S 7/14/06	RM-007S 9/21/06	RM-007S 12/18/06	RM-007S 4/24/07	RM-007S 8/1/07	RM-007S 10/31/07	RM-007S 1/10/08	RM-007XD 7/14/06	RM-007XD DUP 7/14/06	RM-007XD 9/21/06
FIELD PARAMETERS																		
ALKALINITY, FIELD	MG/L	1633	--	--	440	378	336	--	400	434	--	--	328	364	--	248	--	238
CARBON DIOXIDE, FIELD	MG/L	178	--	--	236	270	230	--	280	304	--	--	122	226	--	154	--	136
CONDUCTANCE, SPECIFIC	UMHOS/CM	1002	--	--	1028	1030	1037	--	1145	1086	976	--	1078	1177	1151	489	--	482
DISSOLVED OXYGEN, FIELD	MG/L	3 88	--	--	2 92	1 86	2 68	--	0 49	0 45	2 62	--	0 30	0 76	3 48	6 42	--	5 68
EH, FIELD	MV	287	--	--	303	310	351	--	110	174	282	--	180	271	342	207	--	189
FERROUS IRON, FIELD	MG/L	0	--	--	0	0	0	--	<0 2	0	--	--	0	0	0	<0 2	--	0
PH, FIELD	SU	6 79	--	--	6 90	6 86	6 85	--	6 83	6 76	7 02	--	6 95	6 92	7.12	7 22	--	7.28
TEMPERATURE	DEG C	8 4	--	--	11.5	9 8	7.3	--	12 5	13 0	7 8	--	15 1	13 4	6 2	11 3	--	10 8
TURBIDITY, FIELD	NTU	0	--	--	1	0	0	--	3	1	2	--	3	2	2	5	--	0
INDICATOR PARAMETERS																		
ALKALINITY AS CACO3, TOTAL	MG/L	500	500	490	510	540	520	510	410	--	--	--	410	--	--	260	260	280
CHLORIDE, TOTAL	MG/L	12	12	11	13	11	10 u	10 u	6 0 A	--	--	--	6 3	--	--	4 8 A	4 8 A	4 3 A
ETHANE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	--	--	--	<10	--	--	<10	<10	<10
ETHENE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	--	--	--	<10	--	--	<10	<10	<10
METHANE	UG/L	<10	<10	86	<10	<10	<10	<10	<10	--	--	--	<10	--	--	<10	<10	<10
NITROGEN, NITRATE, TOTAL	MG/L	1 2	1 2	0 58	1.3	1 0	0 92	0 92	0 38	--	--	--	0 15 Q	--	--	0 50	0 51	0 48
NITROGEN, NITRITE, TOTAL	MG/L	<0 040	<0 040	<0 036	<0 036	<0 036	<0 036	<0 036	<0 040	--	--	--	<0 036	--	--	<0 040	<0 040	<0 040
PH, LABORATORY	SU	6 7 HF	6 7 HF	6 7 HF	6 8 HF	6 8 HF	6 8 HF	6 8 HF	7 1 HF	--	--	--	6.8 HF	--	--	7 6 HF	7 7 HF	7 6 HF
SULFATE, TOTAL	MG/L	48	48	39	68	58	59	58	220	--	--	--	220	--	--	5 0	5 1	4 5
TOTAL INORGANIC CARBON	MG/L	130	130	120	130	130	150	140	110	--	--	--	99	--	--	65	66	67
TOTAL ORGANIC CARBON AS NPOC	MG/L	<0 72	<0 72	1 9 Q	1 7 Q	2 6 Q	<1 4	<1 4	4 1 A	--	--	--	3 1 Q	--	--	<0 72 A	<0 72 A	<0 72
METALS																		
ALUMINUM, DISSOLVED	UG/L	<6 3	<6 3	14 Q	<4 4	<4 4	<4 4	<4 4	<40	9 9 QAu	<6 3	<6 3	<4 4	<4 4	<4.4	<40	<40	<6 3
ANTIMONY, DISSOLVED	UG/L	<0 24	<0 24	0 45 Q	0 21 Q	0 12 Q	<0 10	0 13 Qu	<0 40	<0 24	<0 24	<0 24	0 16 Q	<0 10	0 25 Qu	<0 40	<0 40	<0.24
ARSENIC, DISSOLVED	UG/L	<0 13	<0 13	0 38 Q	0 40	<0 093	0 50 Au	0 23 QAu	0 59 Q	0 14 Qu	0 21 Q	<0 13	0 28 Q	0 23 Q	0 43 Au	<0 40	<0 40	<0 13
BARIUM, DISSOLVED	UG/L	84	83	71	77	77	89	90	75	66	53	63	55	64	57	6 2	6 5	6 3
BERYLLIUM, DISSOLVED	UG/L	<0 10	<0 10	0 21 Q	0 080 Q	<0 070	<0 070	<0 070	<0 40	<0 10	<0 10	<0.10	<0 070	<0.070	<0 070	<0 40	<0 40	<0 10
CADMIUM, DISSOLVED	UG/L	<0 12	<0 12	0 28 Q	<0 097	<0 097	<0.097	<0 097	<0 40	<0 14	<0.12	0 14 Q	<0 097	<0 097	<0 097	<0 40	<0 40	<0 14
CALCIUM, DISSOLVED	UG/L	120000	120000	110000	120000	130000	140000	130000	150000	130000	120000	160000	130000	140000	140000	58000	59000	56000
CHROMIUM, DISSOLVED	UG/L	1 4 u	1 4 u	1 6	1 7	0.73 Q	0 47 Qu	3 3 u	0 41 Qu	<0 32	0 96 Qu	0 33 Q	0 99 Q	<0 43	1 9 u	1.4 u	2 0 u	2 1
COBALT, DISSOLVED	UG/L	0 13 Au	0 13 Au	3 4	1.8 Eu	1 7 A	0 27 u	2 7 u	1 9	0 66	0 34 Au	1 4	3 5	2 1 A	3 6 u	1 3 Q	<0 40	0 090
COPPER, DISSOLVED	UG/L	1.6 u	1 3 u	2 2 u	3 4 AXu	1 3	1 8 u	1 9 u	6 4 Q	5 3	5.7	5 8 u	6 9 X	5 2	6 3 u	<2 0	<2 0	0 93
IRON, DISSOLVED	UG/L	200	190	1700 E	350	140 Au	170 A	160 A	320	300	180	2600	420	170 Au	190	130 Q	110 Q	110
LEAD, DISSOLVED	UG/L	0 11 Q	0 090 Q	0 28 Au	0 050 QA	<0 044	<0 044	<0 044	<0 40	0 070 Qu	0 070 Qu	0 060 Qau	<0 044 A	<0 044	0 16 u	<0 40	<0 40	0 060 Qu
MAGNESIUM, DISSOLVED	UG/L	57000	58000	54000	58000	60000	63000	63000	70000	68000	55000	78000	62000	72000	75000	29000	29000	33000
MANGANESE, DISSOLVED	UG/L	1 3 Au	1.4 Au	5 9	4 3	4.1 A	0 97 Au	5 3 A2u	45 1	180	54	89	190	170	7 4 A	3 0 1	2 1 1	0 54 Au
MANGANESE, TOTAL	UG/L	6 0	7 4	19	44	24	0 88 u	0.88 u	41	--	--	--	200	--	--	1.1 Q	0 67 Q	1 6
MERCURY, DISSOLVED	UG/L	<0 072	<0 072	<0 013 A	<0 10	<0 10	<0.10	<0.10	<0 072	<0 072	<0.072	<0 013 A	<0 10	<0.10	<0 10	<0 072	<0 072	<0 072
NICKEL, DISSOLVED	UG/L	3 2	3 2	5 5	6 0	1 5 Au	2 9	3 2	4 4	4 7	3 2	5 7	4 9	4 0 A	4 5	2 2 Q	2 2 Q	1 6 u
POTASSIUM, DISSOLVED	UG/L	2700	2700	2400	2800	2100	2100	2100	7800	6600	5200	4400	4400	4700	4000	660	680	750
SELENIUM, DISSOLVED	UG/L	<0 67	<0.67	0 85 Q	0 77 u	<0 15	1 5 Au	0 79 Au	<4 0	<0 67	<0 67	<0 67	0 36 Qu	<0 15	0 91 Au	<4 0	<4 0	<0 67
SILVER, DISSOLVED	UG/L	<0 034 A	<0 034 A	0.14 A	<0 11 A	<0 11	<0 11	<0.11	<0 40	<0 034	<0 034 A	<0 034 A	<0.11 A	<0 11	<0 11	<0 40	<0 40	<0 034
SODIUM, DISSOLVED	UG/L	6400	6100	5400	6100	5500	5000	4800	3100	3100	2700	3300	2900	3400	3100	2000	1900	2200
THALLIUM, DISSOLVED	UG/L	0 070 QA	<0 053 A	0 26	0 050 QA	<0 030	<0 030	<0 030	<0 40	<0 053	<0 053 A	<0 053	<0 030 A	<0 030	<0 030	<0 40	<0 40	<0 053
VANADIUM, DISSOLVED	UG/L	0 44 u	0 41 u	0 74 u	<0 41	<0 41	<0 41	<0 41	<1 2	0 47	0 24 Qu	0 40 u	<0 41	<0 41	<0 41	<1.2	<1 2	0 12 Q
ZINC, DISSOLVED	UG/L	4 5 Au	4 2 Au	5 1 Au	6 2 QAu	5 4 Q	4 4 QAu	5 6 Qau	6 1 Q	4 5 Au	4.6 Au	5 0 Au	5 6 QAu	2 9 Q	9 2 Au	<4 0	<4 0	5 9 Au

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-007D 12/18/06	RM-007D DUP 12/18/06	RM-007D 4/24/07	RM-007D 8/1/07	RM-007D 10/31/07	RM-007D 1/10/08	RM-007D DUP 1/10/08	RM-007S 7/14/06	RM-007S 9/21/06	RM-007S 12/18/06	RM-007S 4/24/07	RM-007S 8/1/07	RM-007S 10/31/07	RM-007S 1/10/08	RM-007XD 7/14/06	RM-007XD DUP 7/14/06	RM-007XD 9/21/06
VOLATILE ORGANICS																		
1,1,1-TRICHLOROETHANE	UG/L	520	540	680	610	510	520	530	<0 90	<0 90	<0 90	<0 90	1 2 Q	<0 90	1.1 Q	92	95	87
1,1,2,2-TETRACHLOROETHANE	UG/L	<1 0	<1 0	<1 0	<2 0	<1.0	<1 0	<1 0	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0.20
1,1,2-TRICHLOROETHANE	UG/L	<2 1	<2.1	<2 1	<4 2	<2 1	<2 1	<2 1	<0 42	<0 42	<0 42	<0 42	<0 42	<0.42	<0 42	<0 42	<0.42	<0 42
1,1-DICHLOROETHANE	UG/L	360	380	380	400	360	330	330	<0 75	1 1 Q	1 2 Q	0 99 Q	1 5 Q	2 2 Q	1 4 Q	51	53	47
1,1-DICHLOROETHENE	UG/L	35	39	50	38	31	29	29	<0 57	<0 57	<0.57	<0 57	<0.57	<0.57	<0 57	20	21	17
1,2-DICHLOROETHANE	UG/L	<1 8	<1 8	<1 8	<3 6	<1 8	<1 8	<1 8	<0 36	<0 36	<0 36	<0 36	<0.36	<0 36	<0 36	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	140	150	--	--	--	--	--	<1 4	1 6 Q	1.6 Q	--	--	--	--	73	76	66
1,2-DICHLOROPROPANE	UG/L	<2 3	<2 3	<2 3	<4 6	<2.3	<2 3	<2 3	<0 46	<0 46	<0 46	<0 46	<0 46	<0.46	<0 46	<0 46	<0 46	<0 46
2-BUTANONE	UG/L	<22	<22	<22	<43	<22 &	<22	<22	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3 &	<4 3	<4 3	<4 3	<4 3
2-HEXANONE	UG/L	<5 5	<5 5	<5.5	<11	<5 5 &	<5 5	<5 5	<1 1	<1 1	<1 1	<1 1	<1 1	<1.1 &	<1.1	<1 1	<1 1	<1 1
4-METHYL-2-PENTANONE	UG/L	<6 0	<6 0	<6 0	<12	<6 0	<6 0	<6 0	<1.2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2
ACETONE	UG/L	<12	<12	<12	<22	<11 &	<11	<11	<2 3	<2 3	<2 3	<2 3	<2 2	<2 2 &	3 6 Q	<2.3	<2 3	<2 3
BENZENE	UG/L	<2 0	<2 0	<2 0	<4 1	<2.0	<2 0	<2 0	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0.41	<0 41
BROMODICHLOROMETHANE	UG/L	<2 8	<2 8	<2 8	<5 6	<2 8	<2.8	<2 8	<0 56	<0.56	<0 56	<0 56	<0 56	<0.56	<0 56	<0 56	<0.56	<0 56
BROMOFORM	UG/L	<4 7	<4 7	<4 7	<9 4	<4 7	<4 7	<4 7	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94
BROMOMETHANE	UG/L	<4 6	<4 6	<4.6	<9 1	<4 6	<4 6	<4 6	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91
CARBON DISULFIDE	UG/L	<3 3	<3 3	<3.3	<6 6	<3 3	<3 3	<3 3	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<2.4	<2 4	<2.4	<4 9 &	<2 4	<2 4	<2 4	<0 49	<0 49	<0 49	<0 49	<0 49 &	<0 49	<0 49	<0 49	<0 49	<0 49
CHLOROBENZENE	UG/L	<2 0	<2 0	<2 0	<4 1	<2 0	<2.0	<2 0	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0.41	<0 41	<0.41
CHLORODIBROMOMETHANE	UG/L	<4 1	<4 1	<4 1	<8 1	<4 1	<4 1	<4 1	<0 81	<0 81	<0 81	<0 81	<0 81	<0.81	<0 81	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<4 8	<4 8	52	<9 7	<4 8	<4 8	<4 8	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	2 0 Q	1 8 Q	1 8 Q
CHLOROFORM	UG/L	<1 8	<1 8	<1 8	<3 7	<1 8	<1 8	<1.8	<0 37	<0 37	<0.37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37
CHLOROMETHANE	UG/L	<1 2	<1 2	<1 2	<2 4	<1 2	<1 2	<1 2	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	0 32 Qu	0 88 u	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	140	150	140	140	130	110	110	<0 83	1 6 Q	1 6 Q	1 1 Q	2 3 Q	4 3	1.9 Q	73	76	66
CIS-1,3-DICHLOROPROPENE	UG/L	<0 95	<0 95	<0 95	<1 9	<0 95	<0 95	<0 95	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0.19
ETHYLBENZENE	UG/L	<2 7	<2 7	<2 7	<5 4	<2.7	<2 7	<2 7	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	5 3 QBu	6 3 QBu	<2.2	<4 3	<2 2	<2 2	<2 2	<0 43	<0 43	<0 43	<0 43	<0 43	<0.43	<0 43	0 47 Q	0 48 Q	<0 43
STYRENE	UG/L	<4 3	<4.3	<4 3	<8 6	<4 3	<4 3	<4 3	<0 86	<0 86	<0.86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	2 8 Q	3 0 Q	4 9 Q	4 8 Q	3 3 Q	3 2 Q	3 4 Q	1 6 Xu	<0 45	<0 45	<0 45	<0 45	<0.45	<0 45	1 8 Xu	2 3 Xu	<0 45
TOLUENE	UG/L	<3 4	<3 4	<3 4	<6 7	<3 4	<3 4	<3 4	<0 67	<0 67	<0 67	<0 67	<0.67	<0 67	<0 67	<0 67	<0 67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<4.4	<4 4	<4 4	<8 9	<4 4	<4 4	<4 4	<0 89	<0 89	<0.89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 95	<0 95	<0.95	<1 9	<0 95	<0 95	<0 95	<0 19	<0.19	<0 19	<0.19	<0 19	<0 19	<0.19	<0.19	<0 19	<0 19
TRICHLOROETHENE	UG/L	32	32	37	41	37	34	37	<0 48	<0 48	<0 48	<0 48	<0 48	<0.48	<0 48	21	21	18
VINYL CHLORIDE	UG/L	<0 90	<0 90	2 0 Q	<1 8	<0 90	<0 90	<0 90	<0 18	<0 18	<0 18	<0 18	0 22 Q	0 47 Q	<0 18	<0 18	<0.18	<0 18
XYLENE, TOTAL	UG/L	<13	<13	<13	<26	<13	<13	<13	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6

Notes

Baseline MNA monitoring was conducted in July 2006

Laboratory and data validation qualifier key in Table B5.

"--" = not analyzed

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-007XD 12/18/06	RM-007XD 4/24/07	RM-007XD 8/1/07	RM-007XD 10/31/07	RM-007XD 1/10/08	RM-008D 7/13/06	RM-008D 9/20/06	RM-008D 12/20/06	RM-008D 4/9/07	RM-008D 8/1/07	RM-008D DUP 8/1/07	RM-008D 10/29/07	RM-008D 12/27/07	RM-010D 7/24/06	RM-010D 9/12/06	RM-010D DUP 9/12/06	RM-010D 4/22/07
FIELD PARAMETERS																		
ALKALINITY, FIELD	MG/L	1856	2325	206	176	156	667	282	2252	1464	334	--	262	252	298	269	--	2370
CARBON DIOXIDE, FIELD	MG/L	84	84	94	104	114	212	178	134	168	98	--	136	112	146	190	--	152
CONDUCTANCE, SPECIFIC	UMHOS/CM	486	507	495	487	495	958	890	870	950	920	--	909	907	691	700	--	670
DISSOLVED OXYGEN, FIELD	MG/L	5 86	37 8	4 60	5 53	6 12	5 35	11 0	14 04	8 74	8 12	--	6 39	6.44	7 55	8 47	--	6 48
EH, FIELD	MV	293	314	307	338	350	206	290	320	352	316	--	308	336	134	257	--	333
FERROUS IRON, FIELD	MG/L	0	0	0	0	0	<0 2	0	0	0	0	--	0	0	<1.0	0	--	0
PH, FIELD	SU	7.28	7 31	7 44	7 47	7 40	7 21	7 22	7 66	7 45	7 62	--	7 16	7 42	7 24	7 17	--	7 27
TEMPERATURE	DEG C	9 8	10 6	11 2	10 2	9 7	10.9	9 9	7 8	7 6	11 4	--	9 4	7 2	11.6	10 2	--	12 6
TURBIDITY, FIELD	NTU	0	0	0	0	0	57	3	2	2	0	--	0	2	52	5	--	2
INDICATOR PARAMETERS																		
ALKALINITY AS CACO3, TOTAL	MG/L	270 Nj	280	260 N	260	270	380	370	350	400	380	380	400	390	310	300 N	300 N	320
CHLORIDE, TOTAL	MG/L	4 3 Nj	5 6	4 6	4 3 Nj	4 2 Nju	28 A	31	32	31	30	30	39	44	24	19 A	19 A	20
ETHANE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
ETHENE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
METHANE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
NITROGEN, NITRATE, TOTAL	MG/L	0 54 N	0 75	0 60	0 52	0 52 Nj	13 HN	10	5 6	16	8 2	8 3	4 3	3 4	4 9	4.1 Nj	4 4	4 5
NITROGEN, NITRITE, TOTAL	MG/L	<0 040	<0 036	<0 036	<0 036 Nj	<0 036 Nj	<0 040	<0 040	<0 040 NHhj	<0 036	<0 036	<0 036	<0 036	<0 036	<0 040 N	<0 040 &N	<0 040 &	<0 036
PH, LABORATORY	SU	7 3 HF	7 2 HF	7 3 HF	7 5 HF	7 4 HF	7 1 HF	7 8 HF	7 5 HF	7 4 HF	7 5 HF	7 5 HF	7 0 HF	7 1 HF	7 3 HF	7 5 HF	7 4 HF	7 3 HF
SULFATE, TOTAL	MG/L	5 4 N	7 0	6 0	5 3	5 4 Nj	43	50	62 N	40	62	61	59	58	27	25	25	27
TOTAL INORGANIC CARBON	MG/L	68	61	81	62	68	97	86	110	84	89	88	85	99	75	79	74	73
TOTAL ORGANIC CARBON AS NPOC	MG/L	<0 72	<1 4	<1 4	<1.4	<1 4	<0 72 A	2 0 Q	<0 72	<1 4	<1 4	1 6 Q	<1 4	<1 4	1 0 Q	<0 72	1 2 Q	<1 4
METALS																		
ALUMINUM, DISSOLVED	UG/L	6 4 Q	15 Q	<4 4	5.1 Q	<4 4	<40	12 QAu	<6 3	<6 3	<4 4	<4 4	<4 4	6 5 Qu	<40	6 6 Q	<6 3	<6 3
ANTIMONY, DISSOLVED	UG/L	<0 24	0 39 Q	0 13 Q	<0 10	<0 10	<0 40	0 51 Q	<0 24	<0 24	<0.10	<0.10	0.11 Q	0.14 Qu	<0.40	0 38 Q	<0 24	<0 24
ARSENIC, DISSOLVED	UG/L	<0 13	0 24 Q	0 14 Qu	0 49 Au	0 16 QAu	0 45 Q	0 26 Q	<0 13	<0 13	0 23 Q	0 13 Qu	<0 093	<0 093	<0 40	0 42	0 15 Q	<0 13
BARIUM, DISSOLVED	UG/L	5 9	8 6	5 3	5 5 A	5 4	33	28	26	28	26	26	26	26	32	31	31	31
BERYLLIUM, DISSOLVED	UG/L	<0 10	0 27 Q	<0 070	<0 070	<0 070	<0 40	<0 10	<0.10	<0 10	<0 070	<0 070	<0 070	<0 070	<0 40	<0.10	<0 10	<0 10
CADMIUM, DISSOLVED	UG/L	<0.12	0 28 Q	<0 097	<0 097	<0 097	<0 40	<0 14	<0 12	<0 12	<0 097	<0 097	<0 097	<0 097	<0 40	<0 14	<0 14	<0 12
CALCIUM, DISSOLVED	UG/L	54000	57000	53000	55000	57000	110000	100000	87000	110000	100000	100000	99000	89000	75000	77000	77000	72000
CHROMIUM, DISSOLVED	UG/L	1 9 u	1 7	0 91 Q	1.1 Q	0 83 Qu	2.0 u	0 48 Q	0 89 Qu	0 37 Q	<0 43	<0 43	<0.43	0 71 Qu	2 4 Au	1 1	0 91 Q	0 87 Q
COBALT, DISSOLVED	UG/L	0 12 Au	1 1	0 50 u	0 30 Au	0 13 Qu	1 4	0 71	0 47 u	0 41	0 45 u	2 1	2 8	2 9 u	1 3 Q	0.13 Au	1 4 A	0 69
COPPER, DISSOLVED	UG/L	0 49 u	0 85 Qu	1 1 AXu	0 25 Q	0 42 u	<2 0	1 2	1 0 u	0 97 Qu	1 7 AXu	1.8 AXu	1.1	1.2 u	<2 0	0 89	0 92	0 60 Qu
IRON, DISSOLVED	UG/L	87	940	150 A	74 Au	70 A	250	180	180	350	320	310	140 Au	1300	110 Q	130	140	200
LEAD, DISSOLVED	UG/L	0 11 Q	0.30 Au	<0 044 A	<0 044	<0 044	<0 40	0 050 Q	<0 049	0 050 Q	<0 044 A	0 16 A	0 080 QAu	0 070 Qu	<0 40	0 050 QAu	<0 049	<0 049
MAGNESIUM, DISSOLVED	UG/L	28000	28000	28000	28000	31000	54000	56000	48000	59000	54000	53000	48000	44000	44000	43000	42000	39000
MANGANESE, DISSOLVED	UG/L	0 32 QAu	1 6 u	0 75 u	0 73 Au	0.21 QAu	11 2	1 5 Au	1 0 u	0 75	0.82 u	1 4 u	5 1 A	5 8 2u	6 4	2 4 A	4 2 A	2 4
MANGANESE, TOTAL	UG/L	0 25 Q	0.79 Au	0 50 Au	0.18 QAu	0 16 QU	1 4 Q	1 2	1 5 u	0.99	1 3 Au	1 4 Au	0.68 Au	0 58 u	12	6 2 A	5 6 A	1 5 A
MERCURY, DISSOLVED	UG/L	<0 072	<0 013 A	<0 10	<0 10	<0 10	<0 072	<0 072	<0 072	<0 072	<0 10	<0 10	<0 10	<0 10	<0 072	<0.072	<0 072	<0 013 A
NICKEL, DISSOLVED	UG/L	1 0 Q	1 1	0.75 u	0 44 A	1 1 u	3 2 Q	1.9	1 6	2 4	1 5	1 7 u	0 76 Au	2 5	10	1.7	2 0	1 9
POTASSIUM, DISSOLVED	UG/L	660	650	620	620 AE	640	1600	1100	1100	940	930	930	900	850	1700	1500	1500	1400
SELENIUM, DISSOLVED	UG/L	<0.67	<0 67	0 50 u	0 27 Q	0 67 Au	<4 0	0 82 Qu	<0 67	<0 67	0 72 u	0 54 u	1 4 Au	0 42 QAu	<4 0	0 90 Q	<0 67	<0 67
SILVER, DISSOLVED	UG/L	<0 034 A	0.10 QA	<0 11 A	<0.11	<0.11	<0 40	<0 034	<0 034	<0 034 A	<0 11 A	<0 11 A	<0 11	<0 11	<0 40	<0 034	<0 034	<0 034 A
SODIUM, DISSOLVED	UG/L	1800	2200	1900	1800	1700	7800	7600	7200	5600	5700	5700	6200	4600	7300	6200	6400	5400
THALLIUM, DISSOLVED	UG/L	<0 053 A	0 27	<0 030 A	<0 030	<0 030	<0 40	<0 053	<0 053	<0 053	<0 030 A	<0 030 A	<0 030	<0 030	<0.40	<0 053	<0 053	<0 053 A
VANADIUM, DISSOLVED	UG/L	0.34 u	0 54 u	<0.41	<0 41	<0 41	<1 2	0 56	0 31 Qu	0 35 u	<0 41	<0 41	<0.41	<0 41	<1 2	0 50 Au	0 53 Au	0 61 u
ZINC, DISSOLVED	UG/L	4 4 Au	4 4 Au	5 7 QAu	4 0 QAu	5 4 Qau	4 3 Q	4 3 Au	5 5 Au	6 2 Au	5 0 QAu	12 Au	3 0 Q	6 6 QAu	5 0 QAu	4 4	13	<0 98 A

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-007XD 12/18/06	RM-007XD 4/24/07	RM-007XD 8/1/07	RM-007XD 10/31/07	RM-007XD 1/10/08	RM-008D 7/13/06	RM-008D 9/20/06	RM-008D 12/20/06	RM-008D 4/9/07	RM-008D 8/1/07	RM-008D DUP 8/1/07	RM-008D 10/29/07	RM-008D 12/27/07	RM-010D 7/24/06	RM-010D 9/12/06	RM-010D DUP 9/12/06	RM-010D 4/22/07
VOLATILE ORGANICS																		
1,1,1-TRICHLOROETHANE	UG/L	70	170	110	83	79	71	33	23	41	20	20	62	61	2 6 Q	3 6	3 6	3 6
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0.42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42
1,1-DICHLOROETHANE	UG/L	41	88	57	46	42	36	20	13	16	8 7	8 8	17	18	<0 75	1 3 Q	1 3 Q	1 3 Q
1,1-DICHLOROETHENE	UG/L	15	36	21	19	17	3 6	1 6 Q	1 1 Q	1 8 Q	0 95 Q	0.68 Q	4 6	4 3	<0 57	<0 57	<0 57	<0 57
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0.36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	60	--	--	--	--	23	17	13	--	--	--	--	--	<1 4	<1 4	<1.4	--
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3	<4 3	<4 3	<4 3 &	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3 &	<4 3	<4 3	<4 3
2-HEXANONE	UG/L	<1 1	<1 1	<1 1	<1 1 &	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1.2	<1 2	<1 2	<1 2	<1 2	<1 2	<1.2
ACETONE	UG/L	<2 3	<2 3	<2 2	<2.2 &	<2 2	3 7 Qu	<2 3	<2 3	<2 3 *	<2 2	<2.2	<2 2 &	<2 2	<2 3	<2 3	<2 3	<2 3
BENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91 &	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0.66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49	<0 49 &	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49 &	<0 49 &	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0.41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	1 5 Q	2 8 Q	1 8 Q	1 8 Q	1 5 Q	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37
CHLOROMETHANE	UG/L	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	0 56 Qu	<0 24	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	60	120	78	66	62	23	17	13	12	8 2	7 5	14	17	<0 83	<0 83	<0 83	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0.19	<0.19	<0.19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0.19	<0 19	<0 19
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0.54
METHYLENE CHLORIDE	UG/L	<0 43	0 59 Qu	<0 43	<0 43	0 43 Qu	<0 43	<0 43	<0 43	<0 43	<0 43	<0.43	<0 43	<0.43	<0 43	<0 43	<0 43	<0 43
STYRENE	UG/L	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0.86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	<0 45	<0.45	<0 45	<0 45	<0 45	3 2 Xu	<0 45	<0 45	<0 45	<0 45	<0 45	<0.45	<0 45	1 0 QXu	<0 45	<0 45	<0 45
TOLUENE	UG/L	<0 67	<0 67	<0 67	<0.67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19
TRICHLOROETHENE	UG/L	17	38	24	19	18	7 2	4 5	3.3	3 7	2 0	2.0	5 6	6 0	<0 48	<0.48	<0 48	<0 48
VINYL CHLORIDE	UG/L	<0 18	<0 18	<0.18	<0.18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0.18	<0 18	<0 18	<0 18
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6

Notes

Baseline MNA monitoring was conducted in July 2006.

Laboratory and data validation qualifier key in Table B5.

"--" = not analyzed

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-010D 10/26/07	RM-011D 7/13/06	RM-011D 7/30/07	RM-101D 7/24/06	RM-101D 9/12/06	RM-101D 4/9/07	RM-101D 10/29/07	RM-101I 7/24/06	RM-101I 9/12/06	RM-101I 4/9/07	RM-101I 10/29/07	RM-102D 7/25/06	RM-102D 8/1/07	RM-103D 7/25/06	RM-103D 9/19/06
FIELD PARAMETERS																
ALKALINITY, FIELD	MG/L	192	380	316	162	297	1244	234	67	105	911	34	196	220	326	317
CARBON DIOXIDE, FIELD	MG/L	130	200	132	176	204	108	146	0	24	40	24	132	106	148	206
CONDUCTANCE, SPECIFIC	UMHOS/CM	699	1851	1685	637	649	653	665	385	298	308	290	528	569	774	778
DISSOLVED OXYGEN, FIELD	MG/L	6 1	7 66	7 92	2 78	2 93	2 33	3 53	1 84	0 38	2 40	0 68	8 13	7.48	5.47	2.95
EH, FIELD	MV	301	173	274	163	132	278	261	-4	-83	69	124	303	270	251	272
FERROUS IRON, FIELD	MG/L	0	<0 2	0 8	<1 0	0	0	0	<0.2	0	0	0	<0 2	0	<0 2	0
PH, FIELD	SU	7 34	6 97	7 51	7 31	7 18	7.19	7 33	11 29	9 07	10 17	9 3	7 32	7.43	7.09	6 92
TEMPERATURE	DEG C	9 8	12.5	11 8	10 9	9 6	9 5	9 6	13 3	9 5	7 6	9.8	10 4	9 7	22 2	10 0
TURBIDITY, FIELD	NTU	11	28	20	1	1	0	0	8	2	4	0	43	31	3	1
INDICATOR PARAMETERS																
ALKALINITY AS CACO3, TOTAL	MG/L	340	330	360	310	290	330	340 Nj	94	110	67	110	240 N	250	370	380
CHLORIDE, TOTAL	MG/L	19	370	300	12	11 A	12	12	7 4	6 6 A	6 8	7.1	11	8 9	21	19 A
ETHANE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
ETHENE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
METHANE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
NITROGEN, NITRATE, TOTAL	MG/L	4 2	3 5	2 8	4 3	4 2	4 2	4 1	0 35	<0 088	0 19 Q	<0 085	6 8 H	8 1	4 5	3 9
NITROGEN, NITRITE, TOTAL	MG/L	<0 036 Nj	<0 040	<0 036	<0 040	<0 040 &	<0 036	<0 036 N	<0 040	<0 040 &	<0 036	<0 036	<0 040 N	<0 073	<0 040	<0 040 N
PH, LABORATORY	SU	7 2 HF	7.3 HF	7.2 HF	7 3 HF	7 4 HF	7 2 HF	7 2 HF	9 1 HF	8 8 HF	9 5 HF	8 8 HF	7 3 HF	7 4 HF	7.0 HF	7 3 HF
SULFATE, TOTAL	MG/L	26	18	25	24	21	21	20	38	31	39	35	8 9	8 2	29	27
TOTAL INORGANIC CARBON	MG/L	72	85	85	72	71	80	84	20	26	12	20	59	63	91	92
TOTAL ORGANIC CARBON AS NPOC	MG/L	<1.4	2 8 A	1 7 Q	<0 72	1 0 Q	<1 4	<1 4	<0 72	0 88 Q	<1 4	<1 4	1 9 Q	<1.4	<0 72	<0 72
METALS																
ALUMINUM, DISSOLVED	UG/L	11 QAu	<40	<4 4	<40	<6 3	15 Q	6 7 QAu	<40	<6 3	22	5 6 QAu	<40	<4 4	<40	<6 3
ANTIMONY, DISSOLVED	UG/L	<0.10	<0 40	0 11 Q	<0 40	0 56 Q	0 25 Q	<0 10	<0 40	<0 24	0 42 Q	<0.10	<0.40	<0 10	<0 40	<0 24
ARSENIC, DISSOLVED	UG/L	<0 093	<0 40	0.14 QAu	<0 40	0 45	0 38 Q	0 20 Q	1 7	1.9	1 6	0 94	<0.40	0 10 Q	<0 40	0 17 Q
BARIUM, DISSOLVED	UG/L	31	33	22	26	24	25	31	83	85	75	83	8 2	8 7	61	59
BERYLLIUM, DISSOLVED	UG/L	<0 070	<0 40	<0 070	<0 40	<0 10	0 22 Q	<0 070	<0 40	<0 10	0 34	<0 070	<0 40	<0 070	<0 40	<0.10
CADMIUM, DISSOLVED	UG/L	<0 097	<0 40	<0 097	<0 40	<0 14	0 23 Q	0 10 Q	<0 40	<0 14	0 30 Q	<0 097	<0 40	<0 097	<0 40	<0 14
CALCIUM, DISSOLVED	UG/L	79000	110000	96000	72000	74000	81000	86000 j	21000	22000	23000	16000	56000	62000	87000	88000
CHROMIUM, DISSOLVED	UG/L	2 8	5 1 u	3 4	2 7 Au	1 6	2 2	8 3	0 66 QAu	0 64 Q	0 88 Q	0 43 Q	0 52 QAu	1 0 Q	0 63 QAu	1 9
COBALT, DISSOLVED	UG/L	2 8	2 8	2 8	0 55 Q	2 7 A	0.74	0 36 Au	0 65 Q	1 8 A	0 90	2 4 A	1 0 Q	0 30 A	<0 40	0 10 Au
COPPER, DISSOLVED	UG/L	0 93	7 1	3 2 AXu	<2 0	0 59	0 90 Qu	0 78	<2 0	0 53	<0 59	0 15 Q	<2 0	2.2 AXu	<2 0	0 99
IRON, DISSOLVED	UG/L	150 Au	420	310	91 Q	130	270	130 Au	<40	58	100	34 Au	76 Q	210	110 Q	150
LEAD, DISSOLVED	UG/L	0 050 QAu	<0 40	<0 044	<0 40	0 070 QAu	0 24 u	0 090 QAu	<0 40	<0 049	0 35 u	<0 044	<0 40	<0 044	<0 40	<0 049
MAGNESIUM, DISSOLVED	UG/L	39000	50000	39000	39000	38000	40000	37000 Nj	15000	17000	12000	15000	32000	33000	45000	47000
MANGANESE, DISSOLVED	UG/L	9 0 A	27	11	0 97 Q	4 9 A	1.3 u	0 33 Au	3 1	6 3 A	3 1 u	5 3 A	1 8 Q	1 1 A	0.75 Q	0 38 QAu
MANGANESE, TOTAL	UG/L	18	34	30	<0 60	1.7 A	<0.12	0 11 QAu	2 3	4 4 A	1 7	1 1 Au	1 3 Q	5 6 A	<0 60	1 4 Au
MERCURY, DISSOLVED	UG/L	<0.10	<0 072	<0 10	<0 072	<0 072	<0 072	<0 10	<0 072	<0 072	<0 072	<0 10	<0 072	<0 10 A	<0.072	<0 072
NICKEL, DISSOLVED	UG/L	5 9 A	230	63	1 9 Q	2 0	2 4	3 4 Au	<1 2	0 88 Q	1 2	0 15 QAu	<1 2	0 93 A	1.7 Q	1 7
POTASSIUM, DISSOLVED	UG/L	1400	4100	3100	1300	1200	1200	1300	6300	5800	5200	5200	1500	1600	1500	1900
SELENIUM, DISSOLVED	UG/L	0 60 Au	<4 0	<0 15	<4 0	1 0 Q	0 80 Q	0.70 Au	<4 0	<0 67	<0 67	<0 15	<4 0	0 38 Q	<4 0	<0 67
SILVER, DISSOLVED	UG/L	<0 11	<0 40	<0 11	<0 40	0 070 Q	0.12 A	<0 11	<0 40	<0 034	0 30 A	<0.11	<0 40	<0 11	<0 40	<0 034
SODIUM, DISSOLVED	UG/L	5800	210000	200000	3800	3800	3300	3800	18000	17000	16000	15000	2300	2400	7700	7600
THALLIUM, DISSOLVED	UG/L	<0 030	<0 40	<0 030	<0 40	<0 053	0.19	0 070 QAu	<0 40	<0 053	0 27	<0 030	<0 40	<0 030 A	<0 40	<0 053
VANADIUM, DISSOLVED	UG/L	0.73 Q	<1.2	0 71 Q	<1 2	0 50 Au	0 73 u	0 42 Q	<1 2	0 28 QAu	0 84 u	0 51 Q	<1 2	<0 41	<1 2	0 69 Au
ZINC, DISSOLVED	UG/L	3 3 Q	<4 0	3 9 QAu	<4 0	6 1	6 5 Au	3 0 Q	<4.0	4 3	5 8 Au	2 4 Q	7 8 QA	5 4 QAu	<4.0	2.7 Q

Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-010D 10/26/07	RM-011D 7/13/06	RM-011D 7/30/07	RM-101D 7/24/06	RM-101D 9/12/06	RM-101D 4/9/07	RM-101D 10/29/07	RM-101I 7/24/06	RM-101I 9/12/06	RM-101I 4/9/07	RM-101I 10/29/07	RM-102D 7/25/06	RM-102D 8/1/07	RM-103D 7/25/06	RM-103D 9/19/06
VOLATILE ORGANICS																
1,1,1-TRICHLOROETHANE	UG/L	3 9	<0.90	<0 90	3 6	4 2	4.1	3 3	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	15	11
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0.42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0.42
1,1-DICHLOROETHANE	UG/L	1.3 Q	<0 75	<0 75	2 7	3 2	2 8	2 5 Q	1 6 Q	2 0 Q	1 5 Q	1 8 Q	<0 75	<0 75	5 6	4 6
1,1-DICHLOROETHENE	UG/L	<0 57 &	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0.57	<0 57	1 7 Q	1 3 Q
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	--	<1 4	--	<1 4	<1 4	--	--	<1 4	<1 4	--	--	<1 4	--	5 0	3 7 Q
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0.46	<0 46	<0 46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3	<4 3	<4 3	<4 3 &	<4 3	<4 3	<4.3	<4 3 &	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4.3
2-HEXANONE	UG/L	<1 1 &	<1 1	<1.1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1.1	<1 1	<1.1	<1 1	<1 1	<1.1
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2	<1.2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2
ACETONE	UG/L	<2 2 &	<2 3	<2.2	<2 3	<2 3	<2 3 *	<2 2 &	<2 3	<2.3	<2 3 *	<2 2 &	4 2 Qu	<2.2	<2 3	<2 3
BENZENE	UG/L	<0 41	<0 41	<0.41	<0 41	<0 41	<0.41	<0 41	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0.56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91 &	<0 91	<0 91	<0 91	<0 91 &	<0 91	<0 91	<0 91	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0.37	<0 37	<0 37	<0.37	<0 37
CHLOROMETHANE	UG/L	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0.24	<0 24	1 2 u	<0 24	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	0 85 Q	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	5 0	3 7
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0.54	<0 54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43
STYRENE	UG/L	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0.86	<0 86	<0.86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	<0 45	1.2 QXu	<0 45	<0 45	<0.45	<0 45	<0.45	<0 45	<0 45	<0 45	<0 45	1 3 QXu	<0.45	0 58 QXu	<0.45
TOLUENE	UG/L	<0.67	<0.67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0.89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19
TRICHLOROETHENE	UG/L	0.52 Q	<0 48	<0 48	1 4 Q	1 5 Q	1 3 Q	1 0 Q	<0 48	<0 48	<0 48	<0 48	<0 48	<0.48	1 8	1 4 Q
VINYL CHLORIDE	UG/L	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0.18	<0.18	<0 18	<0.18
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2 6	<2 6	<2.6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6

Notes

Baseline MNA monitoring was conducted in July 2006

Laboratory and data validation qualifier key in Table B5

"--" = not analyzed

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-103D 12/15/06	RM-103D 4/17/07	RM-103D 8/3/07	RM-103D 11/1/07	RM-103D 1/15/08	RM-103S 7/25/06	RM-103S 9/19/06	RM-103S 12/15/06	RM-103S 4/17/07	RM-103S 8/3/07	RM-103S 11/1/07	RM-103S 1/15/08	RM-201D 7/25/06	RM-201D 7/31/07	RM-201I 7/25/06
FIELD PARAMETERS																
ALKALINITY, FIELD	MG/L	NR	2410	282	268	--	384	332	--	2410	276	282	--	296	278	262
CARBON DIOXIDE, FIELD	MG/L	NR	120	98	164	--	326	224	--	254	172	256	--	144	84	104
CONDUCTANCE, SPECIFIC	UMHOS/CM	790	787	808	798	798	719	769	774	803	802	817	829	651	670	503
DISSOLVED OXYGEN, FIELD	MG/L	2 62	2 96	2 85	2 25	2.72	7.91	0 34	1 09	0 82	4 65	0 62	0.46	0 32	0.14	0 59
EH, FIELD	MV	148	319	292	280	295	-27	-94	-64	-72	23	71	-32	-40	74	-107
FERROUS IRON, FIELD	MG/L	NR	0	0	0	0	1 2	2	--	2 4	1 4	1.8	0 8	0 4	0 2	0 6
PH, FIELD	SU	7 03	7.05	7 23	7 08	7.16	7.36	6.97	7 03	7 19	7 47	7.21	7 17	7 31	7 34	7 63
TEMPERATURE	DEG C	8 4	9 6	11.5	10 3	7.2	11 3	10 0	9 4	8 7	11 0	10 8	7 9	10 9	11 2	13 4
TURBIDITY, FIELD	NTU	0	2	3	0	0	232	47	52	137	84	67	73	1	0	200
INDICATOR PARAMETERS																
ALKALINITY AS CACO3, TOTAL	MG/L	--	380	--	380	--	330 N	330	--	350	--	340	--	330	330	280
CHLORIDE, TOTAL	MG/L	--	19	--	19	--	27	28 A	--	30	--	31	--	10	9 6	5 2
ETHANE	UG/L	--	<10	--	<10	--	<10	<10	--	<10	--	<10	--	<10	<10	<10
ETHENE	UG/L	--	<10	--	<10	--	<10	<10	--	<10	--	<10	--	<10	<10	<10
METHANE	UG/L	--	<10	--	<10	--	<10	40	--	20	--	27	--	<10	<10	<10
NITROGEN, NITRATE, TOTAL	MG/L	--	5.6	--	5 0	--	0 19 Q	0 19 Q	--	<0 085	--	<0 085	--	2 1	1 8	<0 088
NITROGEN, NITRITE, TOTAL	MG/L	--	<0 036	--	<0 036 N	--	<0 040	<0 040	--	<0 036	--	<0 036	--	<0.040 N	<0.036 N	<0 040
PH, LABORATORY	SU	--	7 1 HF	--	7 1 HF	--	7 3 HF	7 0 HF	--	7 1 HF	--	7 1 HF	--	7 2 HF	7 4 HF	7 6 HF
SULFATE, TOTAL	MG/L	--	30	--	29	--	45	43	--	57	--	62	--	23	22	12
TOTAL INORGANIC CARBON	MG/L	--	88	--	89	--	77	82	--	81	--	79	--	81	88	67
TOTAL ORGANIC CARBON AS NPOC	MG/L	--	1 7 Q	--	<1 4	--	3 4	4 7	--	5 2	--	4 4 Q	--	<0 72	<1 4	<0 72
METALS																
ALUMINUM, DISSOLVED	UG/L	<6.3	<6 3	4 6 Q	8 5 Q	<4 4	<40	<6 3	<6 3	<6 3	<4.4	<4 4	<4 4	<40	<4 4	<40
ANTIMONY, DISSOLVED	UG/L	<0 24	<0 24	<0.10	<0 10	0 14 QAu	<0 40	<0 24	<0 24	<0 24	<0 10	<0 10	0 26 QAu	<0 40	0 12 Q	<0 40
ARSENIC, DISSOLVED	UG/L	0 32 QA	<0 13	0 37	0 28 QAu	0 26 Qu	3 6	10	11	6 0	6 0	10	11	0 62 Q	0 72	3 4
BARIUM, DISSOLVED	UG/L	55	58	58	52	65	33	37	38	38	36	40	45	52	47	72
BERYLLIUM, DISSOLVED	UG/L	<0 10	<0 10	<0.070	<0 070	<0.070	<0 40	<0 10	<0 10	<0.10	<0 070	<0 070	<0 070	<0 40	<0 070	<0 40
CADMIUM, DISSOLVED	UG/L	<0 12	<0 12	<0 097	<0 097	0 12 Q	<0 40	<0.14	<0 12	<0 12	<0 097	<0 097	<0 097	<0 40	<0 097	<0 40
CALCIUM, DISSOLVED	UG/L	84000	87000	85000	90000	97000	81000	81000	83000	83000	83000	85000	90000	68000	69000	46000
CHROMIUM, DISSOLVED	UG/L	2 4	0 60 Q	2 7	1 1 Q	2 2 u	0 44 QAu	<0 32	<0 32	0 95 Q	<0 43	<0 43	0.44 Qu	<0 40	<0 43	<0 40
COBALT, DISSOLVED	UG/L	0 38 u	1 3	0 92	3 1	1.2 u	2 2	0 66 Au	0 61 u	2 4	2 8	1 2 A	1 9 u	<0 40	0 66 A	0 45 Q
COPPER, DISSOLVED	UG/L	1 2 u	1.1 Qu	1 8 AXu	0 96	1.3 u	<2 0	0 58	0 63 u	0 60 Qu	1.1 AXu	0 22 Q	0.44 u	<2.0	1 5 AXu	<2 0
IRON, DISSOLVED	UG/L	140	360	290	84 Au	160 A	1200	4300	4300	4300	2700	4800	4600	340	410	330
LEAD, DISSOLVED	UG/L	0 10 Qu	<0 049	<0 044 A	<0.044	<0 044	<0 40	<0 049	0 060 Qu	0 050 Q	<0.044 A	<0 044	<0 044	<0.40	<0 044	<0 40
MAGNESIUM, DISSOLVED	UG/L	46000	46000	44000	40000	47000	43000	43000	45000	45000	42000	42000	43000	41000	41000	37000
MANGANESE, DISSOLVED	UG/L	0 89 Au	2 8 A	2 1	5 8	2 5 Au	110	97	97	120	100	100	96	12	12	9.4
MANGANESE, TOTAL	UG/L	--	1 0 A	--	0 58 Au	--	110	98	--	120	--	120	--	13	11	54
MERCURY, DISSOLVED	UG/L	<0 072	<0 013	<0 10	<0 10	<0 10	<0 072	<0 072	<0 072	<0 013	<0 10	<0 10	<0 10	<0 072	<0 10 A	<0 072
NICKEL, DISSOLVED	UG/L	1 5	2 5	1 8	1 3 A	1 4 u	2 5 Q	1 9	1 7	3 2	2 2	1 2 A	1 5 u	2 4 Q	2 3	<1.2
POTASSIUM, DISSOLVED	UG/L	2000	1600	2000	1700	2100	820	880	900	940	760	880 A	930	1700	1600	1400
SELENIUM, DISSOLVED	UG/L	<0 67	<0 67	0 62	0.73	0 15 Qu	<4 0	<0 67	<0 67	<0 67	0 67	<0.15	0.36 Qu	<4 0	0.74	<4 0
SILVER, DISSOLVED	UG/L	<0 034 A	<0 034 A	<0 11 A	<0.11	<0 11	<0 40	<0 034	0 81 A	<0 034 A	<0 11 A	<0 11	<0 11	<0 40	<0.11	<0 40
SODIUM, DISSOLVED	UG/L	6900	6900	7400	6400	7200	13000	14000	13000	14000	13000	12000	12000	8800	7500	13000
THALLIUM, DISSOLVED	UG/L	<0 053	<0 053	<0 030 A	<0 030	<0 030	<0 40	<0 053	<0 053	<0 053	<0 030 A	<0 030	<0 030	<0 40	<0 030 A	<0 40
VANADIUM, DISSOLVED	UG/L	0 64	1 1 u	0 61 Q	0 81 Q	0 77 Q	<1 2	0 28 QAu	0 44	0 41 u	<0 41	<0.41	<0 41	<1 2	<0 41	<1 2
ZINC, DISSOLVED	UG/L	5 2 Au	4 9 Au	6 1 QA	4 8 QAu	8 8 Au	4 8 QA	3.4	4 4 Au	4.9 Au	5 0 QAu	4 2 QAu	7.2 Au	<4 0	4 4 QAu	<4 0

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-103D 12/15/06	RM-103D 4/17/07	RM-103D 8/3/07	RM-103D 11/1/07	RM-103D 1/15/08	RM-103S 7/25/06	RM-103S 9/19/06	RM-103S 12/15/06	RM-103S 4/17/07	RM-103S 8/3/07	RM-103S 11/1/07	RM-103S 1/15/08	RM-201D 7/25/06	RM-201D 7/31/07	RM-201I 7/25/06
VOLATILE ORGANICS																
1,1,1-TRICHLOROETHANE	UG/L	11	15	9 2	11	11	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0 20	<0 20	<0.20	<0.20	<0 20	<0.20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42
1,1-DICHLOROETHANE	UG/L	4 9	5 9	4 0	4 3	4 7	<0 75	<0 75	0 81 Q	<0 75	<0 75	0 94 Q	0 78 Q	<0 75	<0 75	<0 75
1,1-DICHLOROETHENE	UG/L	1 1 Q	1 4 Q	0 87 Q	1 2 Q	1 0 Q	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	3 7 Q	--	--	--	--	2 4 Q	5 8	9 9	--	--	--	--	<1 4	--	<1 4
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0.46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3	<4 3	<4 3	<4 3 *	<4 3	<4 3	<4.3	<4 3	<4 3	<4 3	<4 3 *	<4 3	<4 3	<4 3	<4 3
2-HEXANONE	UG/L	<1 1	<1.1	<1 1	<1.1	<1 1	<1 1	<1.1	<1.1	<1 1	<1 1	<1 1	<1 1	<1.1	<1 1	<1 1
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2	<1 2	<1.2	<1 2	<1 2	<1 2	<1 2	<1.2	<1 2	<1.2	<1 2	<1 2	<1 2	<1 2
ACETONE	UG/L	<2 3	<2 3	<2 2	<2 2 *	<2 2	<2 3	<2 3	<2 3	<2 3	<2 2	<2 2 *	<2 2	<2 3	<2.2	<2.3
BENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0.41	<0 41	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0.56	<0 56	<0 56	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94	<0 94	<0 94	<0 94	<0 94	<0.94	<0 94	<0 94	<0.94	<0.94	<0 94	<0 94	<0 94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0.91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0.66	<0 66	<0 66	<0.66	<0 66	<0 66	<0.66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49	<0.49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0.49	<0 49	<0 49	<0.49	<0 49
CHLOROBENZENE	UG/L	<0 41	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0.41	<0 41	<0 41	<0.41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0.81	<0 81	<0 81
CHLOROETHANE	UG/L	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97
CHLOROFORM	UG/L	<0.37	<0 37	<0 37	<0 37	<0.37	<0.37	<0.37	<0 37	<0 37	<0 37	<0.37	<0 37	<0 37	<0 37	<0 37
CHLOROMETHANE	UG/L	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	0 42 Qu	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	3 7	4.0	3 0	2 7 Q	3 2	2 4 Q	5 0	8 9	7.7	6 8	9.8	11	<0 83	<0 83	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0.54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0.43	<0 43	<0 43	<0 43	<0 43
STYRENE	UG/L	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	<0 45	<0 45	<0 45	<0 45	<0 45	1 0 QXu	<0 45	<0 45	<0 45	<0.45	<0 45	<0 45	0 59 QXu	<0 45	0.58 QXu
TOLUENE	UG/L	<0.67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0.67	<0 67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	1 0 Q	<0 89	<0 89	1 3 Q	1 3 Q	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0.19	<0 19
TRICHLOROETHENE	UG/L	1 6 Q	1 8	1 2 Q	1 3 Q	1 2 Q	0 65 Q	1 1 Q	1 3 Q	1 2 Q	0 79 Q	1 4 Q	1 2 Q	<0 48	<0 48	<0 48
VINYL CHLORIDE	UG/L	<0.18	<0 18	<0 18	<0.18	<0.18	0 61	1 5	2 3	1 9	1 1	2 8	2 5	<0 18	<0 18	<0.18
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2 6	<2 6	<2.6	<2 6	<2 6	<2 6	<2 6	<2 6	<2.6	<2.6	<2 6	<2 6	<2.6

Notes:

Baseline MNA monitoring was conducted in July 2006.

Laboratory and data validation qualifier key in Table B5

"--" = not analyzed.

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-201I 7/31/07	RM-202D 7/10/06	RM-202D 7/14/06	RM-202D 7/31/07	RM-202I 7/10/06	RM-202I 7/14/06	RM-202I 7/31/07	RM-204D 7/18/06	RM-204D DUP 7/18/06	RM-204D 9/20/06	RM-204D 4/22/07	RM-204D DUP 4/22/07	RM-204D 10/29/07	RM-204I 7/18/06	RM-204I 9/20/06
FIELD PARAMETERS																
ALKALINITY, FIELD	MG/L	248	290	290	254	249	249	150	304	--	288	2655	--	232	330	328
CARBON DIOXIDE, FIELD	MG/L	86	164	164	100	454	454	66	152	--	128	416	--	150	210	206
CONDUCTANCE, SPECIFIC	UMHOS/CM	524	560	560	552	549	549	541	280	--	693	690	--	696	688	677
DISSOLVED OXYGEN, FIELD	MG/L	0 52	1.14	1 14	1 49	0 36	0 36	0 12	0 85	--	0 25	0 67	--	0 13	0 32	0.26
EH, FIELD	MV	-21	132	132	-65	126	126	-184	280	--	185	256	--	275	141	288
FERROUS IRON, FIELD	MG/L	0 2	1 0	1 0	0 8	1	1	0	<0 2	--	0	0	--	0	<0.2	0
PH, FIELD	SU	7 69	7 48	7 48	7 62	7.50	7 50	7 98	7 34	--	7 05	7 24	--	7 31	7 33	7.09
TEMPERATURE	DEG C	11 6	11 2	11 2	12 6	10 6	10 6	12 2	11 1	--	10 1	10 2	--	10.1	10 4	10.4
TURBIDITY, FIELD	NTU	54	14	14	6	31	31	15	5	--	36	6	--	30	20	59
INDICATOR PARAMETERS																
ALKALINITY AS CACO3, TOTAL	MG/L	270	310	--	270	310	--	190	360	360	340	340	350	340	350	330
CHLORIDE, TOTAL	MG/L	4 8	7 1	--	7 9	7.0	--	6 9	13 AN	13 A	12	13	14	12	11 A	12
ETHANE	UG/L	<10	<10	--	<10	<10	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
ETHENE	UG/L	<10	<10	--	<10	<10	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
METHANE	UG/L	<10	<10	--	<10	<10	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
NITROGEN, NITRATE, TOTAL	MG/L	<0 085	--	0 19 Q	0 23 Q	--	0.14 QN	<0 085	3 9 N	3.9	3 1	3.6	3 6	3 1	2 9	3 1
NITROGEN, NITRITE, TOTAL	MG/L	<0 036	--	<0 040	<0 036	--	<0 040	<0 036	<0 040	<0 040	<0 040	<0 036	<0 036	<0 036 NJ	<0 040	<0 040
PH, LABORATORY	SU	7 7 HF	7 7 HF	--	7 6 HF	7 9 HF	--	8 2 HF	7 7 HF	8 0 HF	7 5 HF	7.1 HF	7 2 HF	7 1 HF	7.4 HF	7 5 HF
SULFATE, TOTAL	MG/L	12	21	--	23	23	--	27	24 N	23	25	29 N	29	26	23	26
TOTAL INORGANIC CARBON	MG/L	66	67	--	66	67	--	46	83	85	81	82	75	84	83	81
TOTAL ORGANIC CARBON AS NPOC	MG/L	<1 4	1 5 QA	--	<1 4	1 9 QA	--	<1 4	<0 72	<0 72	0 91 Q	<1.4	<1 4	<1 4	0 81 Q	1 8 Q
METALS																
ALUMINUM, DISSOLVED	UG/L	5 8 Q	<40	--	<4 4	<40	--	<4 4	<40	<40	12 QAu	<6 3	<6 3	15 Au	<40	10 QAu
ANTIMONY, DISSOLVED	UG/L	<0.10	<0 40	--	<0 10	<0 40	--	<0.10	<0 40	<0 40	<0 24	<0 24	<0 24	<0 10	<0 40	<0 24
ARSENIC, DISSOLVED	UG/L	3 9	1 6	--	1 5	1 6	--	1 4	<0 40	0 46 Q	0 17 Q	0 18 Q	0 20 Q	0 18 Q	0 45 Q	0 18 Q
BARIUM, DISSOLVED	UG/L	71	55	--	54	60	--	52	37	39	39	40	40	42	39	39
BERYLLIUM, DISSOLVED	UG/L	<0.070	<0 40	--	<0 070	<0 40	--	<0 070	<0 40	<0 40	<0 10	<0 10	<0 10	<0 070	<0 40	<0 10
CADMIUM, DISSOLVED	UG/L	<0 097	<0 40	--	<0 097	<0 40	--	<0 097	<0 40	<0 40	<0 14	<0 12	<0.12	<0 097	<0 40	<0 14
CALCIUM, DISSOLVED	UG/L	44000	55000	--	54000	57000	--	51000	72000	70000	80000	74000	78000	81000	71000	79000
CHROMIUM, DISSOLVED	UG/L	<0 43	<0 40	--	<0 43	0 67 Qu	--	<0 43	<0 40	<0 40	<0 32	0 79 Q	0 63 Q	<0 43	<0.40	<0 32
COBALT, DISSOLVED	UG/L	1.5 A	0 72 Q	--	0 49 A	1 9	--	0 51 A	1 0 Q	0 77 Q	2 9	1 7	3 2	4 9	1 1 Q	1 3
COPPER, DISSOLVED	UG/L	1 0 AXu	8 4	--	1 1 AXU	<2 0	--	1 0 AXu	<2 0	<2 0	1 2	1 5 Qu	1 4 Qu	1 5 u	<2 0	0 67
IRON, DISSOLVED	UG/L	440	510 Ej	--	670	810	--	610	160	160	190	230	200	150 Au	200	210
LEAD, DISSOLVED	UG/L	<0.044	<0 40	--	<0 044	<0 40	--	<0 044	<0 40	<0 40	<0 049	<0 049	<0 049	<0 044	<0 40	<0 049
MAGNESIUM, DISSOLVED	UG/L	36000	35000	--	35000	36000	--	36000	40000	39000	44000	38000	41000	39000	40000	41000
MANGANESE, DISSOLVED	UG/L	12	20	--	19	23	--	16	2 7 Au	1 9 QAu	8 5	5 8	9 0	16	3.1 A	4 6 Au
MANGANESE, TOTAL	UG/L	26	20	--	24	25	--	5 6 A	2 9	3 2	8 3	8 0	7 7	35	3 9	3 7
MERCURY, DISSOLVED	UG/L	<0 10 A	<0.072	--	<0 10 A	<0 072	--	<0 10 A	<0 072	<0 072	<0 072	<0 013 A	<0.013 A	<0 10	<0 072	<0 072
NICKEL, DISSOLVED	UG/L	1 1 A	3 6 Q	--	0 95 A	7 9	--	0 94 A	1 6 Q	1 6 Q	2 1	2 0	2 1	1 3 Au	1 5 Q	1.5
POTASSIUM, DISSOLVED	UG/L	1400	1200	--	1100	1200	--	1200	1400	1400	1500	1400	1400	1400	1400	1500
SELENIUM, DISSOLVED	UG/L	0 33 Q	<4 0	--	0 25 Q	<4 0	--	0 25 Q	<4 0	<4 0	<0 67	<0 67	<0 67	1 6 Au	<4 0	<0 67
SILVER, DISSOLVED	UG/L	<0.11	<0 40	--	<0 11	<0.40	--	<0 11	<0 40	<0 40	<0 034	<0 034 A	<0 034 A	<0 11	<0 40	<0 034
SODIUM, DISSOLVED	UG/L	12000	5100	--	5000	5300	--	5500	5300	4800	5000	4500	4500	4400	4900	4600
THALLIUM, DISSOLVED	UG/L	<0 030 A	<0 40	--	<0 030 A	<0 40	--	<0 030 A	<0 40	<0 40	<0 053	<0 053 A	<0 053 A	<0 030	<0 40	<0.053
VANADIUM, DISSOLVED	UG/L	<0 41	<1 2	--	<0 41	<1 2	--	<0 41	<1 2	<1 2	0 88	0 74 u	0 71 u	0 64 Q	<1.2	0 91
ZINC, DISSOLVED	UG/L	4 8 QAu	4 4 Q	--	4 3 QAu	<4 0	--	4.0 QAu	6 9 QAu	10 QAu	5 9 Au	<0 98 A	1 4 QAu	4 9 Qu	6.7 QAu	4 3 Au

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-201I 7/31/07	RM-202D 7/10/06	RM-202D 7/14/06	RM-202D 7/31/07	RM-202I 7/10/06	RM-202I 7/14/06	RM-202I 7/31/07	RM-204D 7/18/06	RM-204D DUP 7/18/06	RM-204D 9/20/06	RM-204D 4/22/07	RM-204D DUP 4/22/07	RM-204D 10/29/07	RM-204I 7/18/06	RM-204I 9/20/06
VOLATILE ORGANICS																
1,1,1-TRICHLOROETHANE	UG/L	<0 90	<0 90	--	<0 90	<0 90	--	<0 90	20	18	13	14	14	12	12	12
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	--	<0 20	<0 20	--	<0 20	<0 20	<0 20	<0.20	<0 20	<0 20	<0 20	<0 20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0.42	<0 42	--	<0 42	<0.42	--	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0.42	<0 42	<0 42
1,1-DICHLOROETHANE	UG/L	<0.75	<0 75	--	<0 75	<0 75	--	<0 75	8 5	8 1	5.0	5 2	5 3	5 2	4.3	4 5
1,1-DICHLOROETHENE	UG/L	<0 57	<0 57	--	<0 57	<0.57	--	<0 57	1 2 Q	1 2 Q	0 84 Q	0 90 Q	0 89 Q	0 93 Q	0 76 Q	0 84 Q
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	--	<0 36	<0 36	--	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	--	<1 4	--	--	<1 4	--	--	4 1 Q	4 0 Q	1 8 Q	--	--	--	1.4 Q	1 6 Q
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	--	<0 46	<0 46	--	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3	<4.3	--	<4 3	<4 3	--	<4 3	<4 3 &	<4 3 &	<4.3	<4 3	<4 3	<4 3 &	<4 3 &	<4 3
2-HEXANONE	UG/L	<1.1	<1 1	--	<1 1	<1 1	--	<1.1	<1.1	<1.1	<1 1	<1 1	<1 1	<1 1 &	<1 1	<1 1
4-METHYL-2-PENTANONE	UG/L	<1 2	<1.2	--	<1 2	<1 2	--	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2
ACETONE	UG/L	<2 2	<2 3 &	--	<2 2	<2 3 &	--	<2 2	<2.3	<2 3	<2 3	<2 3	<2 3	<2.2 &	<2 3	<2.3
BENZENE	UG/L	<0 41	<0 41	--	<0 41	<0 41	--	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	--	<0 56	<0 56	--	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94	<0 94	--	<0 94	<0 94	--	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91	--	<0 91	<0 91	--	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0 66	--	<0 66	<0 66	--	<0 66	<0 66	<0 66	<0 66	<0 66	<0.66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49	--	<0 49	<0 49	--	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49
CHLOROBENZENE	UG/L	<0 41	<0 41	--	<0 41	<0 41	--	<0 41	<0 41	<0 41	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	--	<0 81	<0 81	--	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<0 97	<0 97	--	<0 97	<0 97	--	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0.97
CHLOROFORM	UG/L	<0 37	<0 37	--	<0 37	<0 37	--	<0 37	<0 37	<0 37	<0 37	<0 37	<0.37	<0 37	<0 37	<0 37
CHLOROMETHANE	UG/L	<0 24	<0 24	--	<0 24	<0 24	--	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83	--	<0 83	<0 83	--	<0 83	4.1	4 0	1 8 Q	1 8 Q	1.8 Q	1 6 Q	1 4 Q	1 6 Q
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	--	<0 19	<0 19	--	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19
ETHYLBENZENE	UG/L	<0 54	<0 54	--	<0 54	<0 54	--	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	--	<0 43	<0 43	--	<0 43	<0.43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0.43
STYRENE	UG/L	<0 86	<0 86	--	<0 86	<0 86	--	<0 86	<0 86	<0 86	<0.86	<0 86	<0 86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	<0 45	<0.45	--	<0 45	<0 45	--	<0 45	1 8 Xu	<0 45	<0.45	<0 45	<0 45	<0 45	<0 45	<0 45
TOLUENE	UG/L	<0 67	<0 67	--	<0 67	<0 67	--	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	--	<0 89	<0 89	--	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	--	<0 19	<0.19	--	<0.19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19
TRICHLOROETHENE	UG/L	<0 48	<0 48	--	<0 48	<0 48	--	<0 48	2 5	2 4	1 5 Q	1 3 Q	1 3 Q	1 2 Q	1.1 Q	1 3 Q
VINYL CHLORIDE	UG/L	<0 18	<0 18	--	<0 18	<0 18	--	<0.18	<0 18	<0 18	<0 18	<0.18	<0 18	<0.18	<0 18	<0 18
XYLENE, TOTAL	UG/L	<2 6	<2 6	--	<2 6	<2 6	--	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6

Notes

Baseline MNA monitoring was conducted in July 2006

Laboratory and data validation qualifier key in Table B5

"--" = not analyzed.

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-204I 4/22/07	RM-204I 10/29/07	RM-205D 7/25/06	RM-205D 9/29/06	RM-205D DUP 9/29/06	RM-205D 4/20/07	RM-205D 7/31/07	RM-205D DUP 7/31/07	RM-205D 11/2/07	RM-205D DUP 11/2/07	RM-205I 7/25/06	RM-205I 9/29/06	RM-205I 4/20/07	RM-205I DUP 4/20/07	RM-205I 7/31/07
FIELD PARAMETERS																
ALKALINITY, FIELD	MG/L	2590	194	286	1251	--		254	--	--	--	292	1242	--	--	240
CARBON DIOXIDE, FIELD	MG/L	420	162	116	154	--		142	--	--	--	134	120	--	--	178
CONDUCTANCE, SPECIFIC	UMHOS/CM	674	699	654	666	--	661	671	--	678	--	609	622	618	--	607
DISSOLVED OXYGEN, FIELD	MG/L	3 86	0 1	0 08	0 06	--	0 72	0 29	--	0 26	--	0 26	0.83	0 26	--	0 08
EH, FIELD	MV	331	172	98	-120	--	-72	-123	--	-140	--	-96	-29	-89	--	-116
FERROUS IRON, FIELD	MG/L	0	0	3 4	2.2	--		2	--	--	--	2 4	1 6	--	--	1 2
PH, FIELD	SU	7 36	7 31	7 57	7 42	--	7 54	7 60	--	7 58	--	7 49	7 43	7 55	--	7 54
TEMPERATURE	DEG C	10 3	10	10 2	9 7	--	9 4	10 8	--	9 7	--	12 9	10 9	9 8	--	14 3
TURBIDITY, FIELD	NTU	18	40	2	0	--	0	0	--	0	--	9	6	2	--	66
INDICATOR PARAMETERS																
ALKALINITY AS CACO3, TOTAL	MG/L	340	340	320	--	--	--	320	310	--	--	300	--	--	--	290
CHLORIDE, TOTAL	MG/L	13	12	14	--	--	--	15	15	--	--	11	--	--	--	9 8
ETHANE	UG/L	<10	<10	<10	--	--	--	<10	<10	--	--	<10	--	--	--	<10
ETHENE	UG/L	<10	<10	<10	--	--	--	<10	<10	--	--	<10	--	--	--	<10
METHANE	UG/L	<10	<10	<10	--	--	--	<10	<10	--	--	<10	--	--	--	<10
NITROGEN, NITRATE, TOTAL	MG/L	3 6	3 3	<0 088	--	--	--	<0 085	<0 085	--	--	0.43	--	--	--	<0.085
NITROGEN, NITRITE, TOTAL	MG/L	<0 036	<0 036	<0 040	--	--	--	<0 036	<0 036	--	--	<0 040	--	--	--	<0 036
PH, LABORATORY	SU	7 3 HF	7.1 HF	7 5 HF	--	--	--	7 6 HF	7 6 HF	--	--	7 5 HF	--	--	--	7 6 HF
SULFATE, TOTAL	MG/L	29	25	32	--	--	--	33	33	--	--	28	--	--	--	25
TOTAL INORGANIC CARBON	MG/L	74	83	76	--	--	--	74	77	--	--	73	--	--	--	93
TOTAL ORGANIC CARBON AS NPOC	MG/L	<1 4	<1 4	<0 72	--	--	--	<1 4	<1 4	--	--	<0.72	--	--	--	<1 4
METALS																
ALUMINUM, DISSOLVED	UG/L	<6 3	11 QAu	<40	<6 3	<6 3	<6 3	<4 4	<4.4	<4 4	<4 4	<40	<6 3	<6 3	<6 3	<4 4
ANTIMONY, DISSOLVED	UG/L	<0 24	0 18 Q	<0.40	<0 24	<0 24	<0 24	0 16 Q	<0 10	<0 10	<0 10	<0 40	<0 24	<0 24	<0 24	<0.10
ARSENIC, DISSOLVED	UG/L	0 18 Q	0 35	1 4	1 5	1 3	1 1	1.3	1 2	1 4 A	1 5 A	1 5	1 5	1 7	1 7	2 0
BARIUM, DISSOLVED	UG/L	39	41	75	71	74	70	66	66	72	70	67	63	63	63	61
BERYLLIUM, DISSOLVED	UG/L	<0.10	<0 070	<0 40	<0 10	<0 10	<0 10	0 10 Q	<0 070	<0 070	<0 070	<0 40	<0 10	<0 10	<0 10	<0 070
CADMIUM, DISSOLVED	UG/L	<0 12	<0 097	<0.40	<0 14	<0 14	<0 12	<0 097	<0 097	<0 097	<0 097	<0 40	<0 14	<0.12	<0 12	<0 097
CALCIUM, DISSOLVED	UG/L	74000	79000	66000	69000	70000	65000	66000	68000	68000	69000	61000	67000	60000	63000	60000
CHROMIUM, DISSOLVED	UG/L	<0 32	<0 43	0 51 QAu	<0 32	<0 32	<0 32	<0.43	<0 43	<0 43	<0 43	<0 40	<0 32	<0 32	<0 32	<0.43
COBALT, DISSOLVED	UG/L	0 49	2.4	4.7	5 2	4 2	5 3	5 1	5 1 Ej	5 2	5 0	<0 40	0 91 u	0 51	0 21 u	0.95 A
COPPER, DISSOLVED	UG/L	0 87 Qu	0 85 u	<2 0	0 76 u	0 34 Qu	<0 59	1 9 AXu	1 4 AXu	<0 12	<0 12	<2 0	4 2	<0 59	<0 59	1 2 AXu
IRON, DISSOLVED	UG/L	200	130 Au	1100	1000	1100	1200	1200	1200	1100	1100	520	500	680	650	550
LEAD, DISSOLVED	UG/L	<0 049	<0 044	<0 40	<0 049	<0 049	<0 049	<0 044	<0 044	<0 044	<0 044	<0 40	<0 049	<0 049	<0.049	<0 044
MAGNESIUM, DISSOLVED	UG/L	39000	38000	43000	42000	42000	38000	41000	41000	41000	40000	38000	39000	33000	35000	37000
MANGANESE, DISSOLVED	UG/L	3 6	5 8 A	24	23	24	22	25	26	24	25	17	19	19	18	20
MANGANESE, TOTAL	UG/L	7 7	3 0 A	24	--	--	--	24	24	--	--	18	--	--	--	48
MERCURY, DISSOLVED	UG/L	<0 013 A	<0 10	<0 072	<0.072	<0.072	<0 013 A	<0 10 A	<0 10 A	<0 10	<0 10	<0 072	<0 072	<0 013 A	<0 013 A	<0 10 A
NICKEL, DISSOLVED	UG/L	1 4	0.49 Au	1.3 Q	0 83 Qu	0.81 Qu	1 2	1 2 A	1 1 A	0 54 Au	0 58 Au	1 3 Q	0 92 Qu	1 4	1.2	1 2 A
POTASSIUM, DISSOLVED	UG/L	1400	1300	1600	1600	1500	1500	1500	1500	1600	1500 A	1200	1200	1200	1100	1100
SELENIUM, DISSOLVED	UG/L	<0 67	1 3 Au	<4 0	<0 67	<0 67	<0 67	0 29 Q	0 29 Q	0 39 Qu	0 55 u	<4 0	<0 67	<0 67	<0.67	0 30 Q
SILVER, DISSOLVED	UG/L	<0 034 A	<0 11	<0 40	<0 034	<0 034	<0 034 A	<0 11	<0.11	<0 11	<0 11	<0 40	<0 034	<0 034 A	<0 034 A	<0 11
SODIUM, DISSOLVED	UG/L	4200	4300	8000	7900	7800	7600	7300	7300	7700	7600	8800	9000	8500	8000	8400
THALLIUM, DISSOLVED	UG/L	<0 053 A	<0 030	<0 40	<0 053	<0 053	<0 053 A	0 030 QA	<0 030 A	<0 030	<0 030	<0 40	<0 053	<0 053 A	<0 053 A	<0 030 A
VANADIUM, DISSOLVED	UG/L	0.74 u	0 61 Q	<1 2	<0 10	<0.10	0 20 Q	<0 41	<0 41	<0 41	<0 41	<1 2	<0 10	0.18 Qu	0 24 Qu	<0 41
ZINC, DISSOLVED	UG/L	<0 98 A	<2 1	<4 0	1 9 Qu	3 0 Qu	<0 98 A	4 2 QAu	4 8 QAu	2 8 QAu	54 A	5 4 QAu	3 6 u	<0 98 A	<0.98 A	6.1 QAu

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-204I 4/22/07	RM-204I 10/29/07	RM-205D 7/25/06	RM-205D 9/29/06	RM-205D DUP 9/29/06	RM-205D 4/20/07	RM-205D 7/31/07	RM-205D DUP 7/31/07	RM-205D 11/2/07	RM-205D DUP 11/2/07	RM-205I 7/25/06	RM-205I 9/29/06	RM-205I 4/20/07	RM-205I DUP 4/20/07	RM-205I 7/31/07
VOLATILE ORGANICS																
1,1,1-TRICHLOROETHANE	UG/L	12	12	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0.90	<0 90	<0 90	<0 90
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42
1,1-DICHLOROETHANE	UG/L	4 5	4 6	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0.75	<0 75	<0 75	<0 75	<0 75	<0 75	<0.75
1,1-DICHLOROETHENE	UG/L	0 86 Q	0 78 Q	<0.57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	--	--	<1 4	<1 4	<1 4	--	--	--	--	--	<1 4	<1 4	--	--	--
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0.46	<0 46	<0 46
2-BUTANONE	UG/L	<4.3	<4 3 &	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3
2-HEXANONE	UG/L	<1 1	<1 1 &	<1.1	<1 1	<1.1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1
4-METHYL-2-PENTANONE	UG/L	<1 2	<1.2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1.2	<1 2
ACETONE	UG/L	<2 3	<2 2 &	3 8 Qu	<2 3 &	<2 3 &	<2 3	<2 2	<2.2	<2 2 &	<2 2 &	<2 3	<2 3 &	<2 3	<2 3	<2 2
BENZENE	UG/L	<0 41	<0.41	<0 41	<0 41	<0 41	<0.41	<0 41	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0.94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0.91	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0.66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0.66	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0.49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81	<0 81	<0.81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0.97	<0 97	<0 97
CHLOROFORM	UG/L	<0 37	<0.37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37
CHLOROMETHANE	UG/L	<0 24	<0 24	2 1 u	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0.24	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	1 3 Q	1 3 Q	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0.43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0.43	<0 43	<0 43
STYRENE	UG/L	<0 86	<0 86	<0 86	<0.86	<0 86	<0.86	<0 86	<0 86	<0 86	<0.86	<0 86	<0 86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	<0 45	<0 45	1 3 QXu	<0 45	<0.45	<0 45	<0 45	<0 45	<0 45	<0 45	0 75 QXu	<0 45	<0.45	<0 45	<0 45
TOLUENE	UG/L	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0.89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19
TRICHLOROETHENE	UG/L	1 2 Q	1 0 Q	<0 48	<0 48	<0.48	<0 48	<0 48	<0 48	<0 48	<0 48	<0 48	<0 48	<0.48	<0 48	<0 48
VINYL CHLORIDE	UG/L	<0.18	<0.18	<0.18	<0 18	<0 18	<0.18	<0.18	<0 18	<0 18	<0 18	<0 18	<0 18	<0.18	<0 18	<0 18
XYLENE, TOTAL	UG/L	<2.6	<2.6	<2 6	<2 6	<2 6	<2.6	<2.6	<2 6	<2 6	<2 6	<2.6	<2 6	<2 6	<2 6	<2 6

Notes:

Baseline MNA monitoring was conducted in July 2006

Laboratory and data validation qualifier key in Table B5.

"--" = not analyzed

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-205I 11/2/07	RM-206S 7/21/06	RM-206S 9/29/06	RM-206S 12/16/06	RM-206S 4/20/07	RM-206S 8/2/07	RM-206S 11/2/07	RM-206S 1/15/08	RM-207S 7/20/06	RM-207S 9/29/06	RM-207S 12/16/06	RM-207S 4/20/07	RM-207S 8/2/07	RM-207S 11/2/07	RM-207S 1/15/08
FIELD PARAMETERS																
ALKALINITY, FIELD	MG/L	--	719	1420	--	--	600	--	--	487	1466	--	--	364	--	--
CARBON DIOXIDE, FIELD	MG/L	--	358	336	--	--	172	--	--	350	352	--	--	292	--	--
CONDUCTANCE, SPECIFIC	UMHOS/CM	602	1727	1792	1942	1444	1713	236	1314	1107	1093	1178	1085	1112	1216	1295
DISSOLVED OXYGEN, FIELD	MG/L	1 02	0 67	8 07	0 72	6.12	0 70	0 35	5 27	0 18	0.14	1 36	0 68	0.10	0 3	0 24
EH, FIELD	MV	63	112	165	100	266	51	49	270	-115	-86	-74	-111	-110	-76	-20
FERROUS IRON, FIELD	MG/L	--	0 3	0	--	--	0 2	--	0 2	3.6	5.	--	--	2.2	--	0 1
PH, FIELD	SU	7 57	7 19	7 90	7.59	7 17	7 37	7.23	7 45	7 09	6 89	6 88	7 09	7.03	6 84	6 76
TEMPERATURE	DEG C	11.1	11 6	12 1	9 1	9 7	15 3	12	6 4	11 2	11 8	9 5	7 9	12.7	11 8	8 0
TURBIDITY, FIELD	NTU	0	40	68	8	8	20	16	52	8	12	33	16	17	14	39
INDICATOR PARAMETERS																
ALKALINITY AS CACO3, TOTAL	MG/L	--	590	--	--	--	640	--	--	460	--	--	--	440	--	--
CHLORIDE, TOTAL	MG/L	--	4 8 A	--	--	--	10	--	--	38 A	--	--	--	27	--	--
ETHANE	UG/L	--	<10	--	--	--	<10	--	--	<10	--	--	--	<10	--	--
ETHENE	UG/L	--	<10	--	--	--	<10	--	--	<10	--	--	--	<10	--	--
METHANE	UG/L	--	<10	--	--	--	<10	--	--	2000	--	--	--	1000	--	--
NITROGEN, NITRATE, TOTAL	MG/L	--	0 17 Q	--	--	--	<0 085	--	--	<0 088	--	--	--	<0 085	--	--
NITROGEN, NITRITE, TOTAL	MG/L	--	<0 040	--	--	--	<0 036	--	--	<0 040	--	--	--	<0 036	--	--
PH, LABORATORY	SU	--	7 2 HF	--	--	--	7.1 HF	--	--	7 0 HF	--	--	--	6 9 HF	--	--
SULFATE, TOTAL	MG/L	--	490	--	--	--	370	--	--	79	--	--	--	100	--	--
TOTAL INORGANIC CARBON	MG/L	--	150	--	--	--	150	--	--	120	--	--	--	64	--	--
TOTAL ORGANIC CARBON AS NPOC	MG/L	--	5 2	--	--	--	3 8 Q	--	--	8 4	--	--	--	6 3	--	--
METALS																
ALUMINUM, DISSOLVED	UG/L	5 5 Q	<40	<6 3	<6 3	<6 3	<4 4	<4 4	8 0 QAu	<40	12 Q	<6 3	<6 3	<4 4	<4 4	7 8 QAu
ANTIMONY, DISSOLVED	UG/L	0 11 Q	<0.40	<0 24	<0 24	<0 24	0 13 Qu	0 15 Q	0 32 QAu	<0.40	<0 24	<0 24	<0 24	<0 10	<0 10	0 25 QAu
ARSENIC, DISSOLVED	UG/L	1 9 A	1 1 Q	1 8	0 33 QA	0 22 Q	1 2	0 60 A	0 48 u	8 1	9 7	11	5 7	8 8	12	8 5
BARIUM, DISSOLVED	UG/L	58	37	35	32	22	30	44	19	95	110	110	110	98	120	140
BERYLLIUM, DISSOLVED	UG/L	<0 070	<0 40	<0 10	<0.10	<0 10	<0 070	<0 070	<0 070	<0 40	<0 10	<0.10	<0 10	<0 070	<0 070	<0 070
CADMIUM, DISSOLVED	UG/L	<0 097	<0 40	<0.14	<0 12	0 14 Q	<0 097	<0 097	0 27 Qu	<0.40	<0 14	<0 12	<0 12	<0 097	<0 097	<0 097
CALCIUM, DISSOLVED	UG/L	62000	210000	210000	250000	180000	190000	300000	170000	92000	110000	130000	110000	100000	120000	150000
CHROMIUM, DISSOLVED	UG/L	<0 43	<0 40	<0 32	0.54 Q	0.35 Q	<0 43	<0 43	0 80 Qu	0 51 Qu	0 52 Q	0 50 Q	0 52 Q	<0 43	0 74 Qu	0 76 Qu
COBALT, DISSOLVED	UG/L	3 1 u	1 5	2 4	0 74 u	3.7	3 9	3 4 u	3 1 u	2 3	0.71 u	0 58 u	0 74	1 5 u	3 4 u	3 4 u
COPPER, DISSOLVED	UG/L	<0.12	2 7 Q	1 4	2 8 u	2 5 u	1.5 AXu	4 0	5 9 u	<2 0	0.78 u	0 44 Qu	<0 59	1.0 AXu	0 13 Qu	1 1 u
IRON, DISSOLVED	UG/L	440 A	780	640	490	580	1600	400 A	470	11000	14000	15000	12000	14000	23000	18000
LEAD, DISSOLVED	UG/L	0 060 Qu	<0 40	<0 049	<0 049	<0 049	<0.044 A	0 10 Qu	0 090 Qu	<0 40	<0 049	<0 049	<0 049	<0 044 A	<0 044	0 070 Qu
MAGNESIUM, DISSOLVED	UG/L	34000	120000	120000	140000	85000	100000	160000	85000	62000	62000	65000	54000	54000	62000	71000
MANGANESE, DISSOLVED	UG/L	21	73	120	5 3 A	31	27	25	7 5 u	130	150	200	180	180	250	280
MANGANESE, TOTAL	UG/L	--	73	--	--	--	28	--	--	140	--	--	--	190	--	--
MERCURY, DISSOLVED	UG/L	<0.10	<0 072	<0.072	<0 072	<0 013 A	<0 10 A	<0 10	<0.10	<0.072	<0.072	<0 072	<0 013 A	<0 10	<0 10	<0 10
NICKEL, DISSOLVED	UG/L	1.3 Au	9 5	4 3	3 4	4 4	3 9	4 0	2.7	5 2	3 8	6 2	3 1	3 3	4 4	3 4
POTASSIUM, DISSOLVED	UG/L	1200 A	1400	1700	1400	990	1400	2200	1100	8700	9100	10000	7900	8000	10000	9600
SELENIUM, DISSOLVED	UG/L	0 70 u	<4 0	0 75 Q	<0 67	<0 67	0 41 Qu	1 1	1 1 u	<4 0	0 96 Q	<0 67	<0 67	<0.15	0 99 u	1 1 u
SILVER, DISSOLVED	UG/L	<0 11	<0 40	<0 034	<0 034 A	<0 034 A	<0 11 A	<0.11	<0 11	<0 40	<0 034	<0 034 A	<0 034 A	<0 11 A	<0 11	<0 11 Nj
SODIUM, DISSOLVED	UG/L	8000	12000	17000	12000	8200	12000	16000	9400	22000	19000	18000	13000	14000	17000	16000
THALLIUM, DISSOLVED	UG/L	<0.030	<0 40	<0 053	<0 053	<0 053 A	<0 030 A	<0 030	0 030 QAu	<0 40	<0.053	<0 053	<0 053 A	<0 030 A	<0 030	0 060 QAu
VANADIUM, DISSOLVED	UG/L	<0 41	<1 2	0 84	0 48	0 58 u	0 58 Q	<0 41	<0 41	<1 2	0 96	1 0	0 89 u	0 74 Q	1 2 Q	1 2 Q
ZINC, DISSOLVED	UG/L	4 7 QAu	12 QAu	3 9 u	7 1 Au	2 6 QA	6 4 QAu	9 0 Au	10 Au	7.9 QA	3 8 u	4 7 Au	<0 98 A	5 2 QAu	5 9 QAu	9 5 Au

Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-205I 11/2/07	RM-206S 7/21/06	RM-206S 9/29/06	RM-206S 12/16/06	RM-206S 4/20/07	RM-206S 8/2/07	RM-206S 11/2/07	RM-206S 1/15/08	RM-207S 7/20/06	RM-207S 9/29/06	RM-207S 12/16/06	RM-207S 4/20/07	RM-207S 8/2/07	RM-207S 11/2/07	RM-207S 1/15/08
VOLATILE ORGANICS																
1,1,1-TRICHLOROETHANE	UG/L	<0.90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0.90	<0 90	<0 90
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0.20	<0 20	<0 20	<0 20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0.42	<0 42	<0.42	<0 42	<0 42	<0 42	<0 42	<0 42
1,1-DICHLOROETHANE	UG/L	<0.75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75
1,1-DICHLOROETHENE	UG/L	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	--	<1 4	<1 4	<1 4	--	--	--	--	<1 4	<1 4	<1 4	--	--	--	--
1,2-DICHLOROPROPANE	UG/L	<0 46	<0.46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0.46	<0.46	<0 46
2-BUTANONE	UG/L	<4 3	<4.3 &	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3 &	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3
2-HEXANONE	UG/L	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1.1	<1.1	<1 1	<1 1	<1 1	<1 1	<1 1
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2
ACETONE	UG/L	<2 2 &	<2 3	<2 3 &	<2 3	<2 3	<2 2	3 4 Q&J	<2 2	2 8 Qu	<2 3 &	<2 3	<2.3	<2 2	<2 2 &	<2 2
BENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	0 96 Q	1 0 Q	0 82 Q	1 0 Q	1 1 Q	1 3 Q	0 82 Q
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49	<0 49	<0 49	<0 49	<0.49 &	<0 49	<0 49	<0.49	<0 49	<0 49	<0 49	<0 49 &	<0 49	<0 49
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0.81
CHLOROETHANE	UG/L	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37
CHLOROMETHANE	UG/L	<0 24	0 47 Qu	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0.19	<0 19	<0 19
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0.54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43
STYRENE	UG/L	<0 86	<0 86	<0 86	<0 86	<0.86	<0 86	<0 86	<0 86	<0 86	<0.86	<0.86	<0 86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	<0 45	1.2 QXu	<0 45	<0 45	<0.45	<0.45	<0 45	<0 45	1.5 Xu	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45
TOLUENE	UG/L	<0 67	<0 67	<0 67	<0 67	<0 67	<0.67	<0 67	<0 67	<0 67	<0.67	<0 67	<0 67	<0 67	<0 67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0.89	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19
TRICHLOROETHENE	UG/L	<0 48	<0 48	<0 48	<0 48	<0 48	<0.48	<0 48	<0 48	<0 48	<0 48	<0 48	<0 48	<0 48	<0 48	<0.48
VINYL CHLORIDE	UG/L	<0.18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0.18	<0.18	<0 18	<0 18	<0 18	<0 18	<0.18
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6

Notes

Baseline MNA monitoring was conducted in July 2006

Laboratory and data validation qualifier key in Table B5

"--" = not analyzed

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-208D 7/19/06	RM-208D 9/27/06	RM-208D DUP 9/27/06	RM-208D 12/15/06	RM-208D 4/23/07	RM-208D 7/27/07	RM-208D 10/29/07	RM-208D DUP 10/29/07	RM-208D 1/16/08	RM-208D DUP 1/16/08	RM-208I 7/19/06	RM-208I 9/29/06	RM-208I 12/15/06	RM-208I 4/23/07	RM-208I 8/2/07
FIELD PARAMETERS																
ALKALINITY, FIELD	MG/L	334	333	--	--	2135	292	246	--	--	--	394	1314	--	--	244
CARBON DIOXIDE, FIELD	MG/L	160	1546	--	--	116	118	124	--	--	--	142	204	--	--	172
CONDUCTANCE, SPECIFIC	UMHOS/CM	758	779	--	779	793	758	772	--	776	--	707	721	726	722	730
DISSOLVED OXYGEN, FIELD	MG/L	1 19	1 77	--	1 60	1 63	1 59	1 45	--	1.34	--	0 27	0 90	1.16	0 44	1.81
EH, FIELD	MV	259	300	--	224	278	276	290	--	296	--	241	145	44	249	302
FERROUS IRON, FIELD	MG/L	<0 2	0	--	--	0	0	0	--	0	--	<0.2	0	--	--	0
PH, FIELD	SU	7.14	7 04	--	7 07	7 11	7.12	7 25	--	7 06	--	7 27	7 19	7.27	7.31	7 38
TEMPERATURE	DEG C	13 6	10 3	--	10	10 6	11.9	9 9	--	9 7	--	10 7	9 9	7 8	9 6	11 5
TURBIDITY, FIELD	NTU	1	0	--	0	0	0	0	--	0	--	2	24	12	9	8
INDICATOR PARAMETERS																
ALKALINITY AS CACO3, TOTAL	MG/L	370	330	340	--	360 N	--	350	350	--	--	360	--	--	--	340
CHLORIDE, TOTAL	MG/L	19 A	19 NA	19 A	--	22	--	19	18	--	--	13 A	--	--	--	16
ETHANE	UG/L	<10	<10	<10	--	<10	--	<10	<10	--	--	<10	--	--	--	<10
ETHENE	UG/L	<10	<10	<10	--	<10	--	<10	<10	--	--	<10	--	--	--	<10
METHANE	UG/L	<10	<10	<10	--	<10	--	<10	<10	--	--	<10	--	--	--	<10
NITROGEN, NITRATE, TOTAL	MG/L	7.2	6 4 N	6 7	--	8 2	--	6.5	6 4	--	--	3 7	--	--	--	4.9
NITROGEN, NITRITE, TOTAL	MG/L	<0 040	<0 040 N	<0 040	--	<0 036	--	<0 036	<0 036	--	--	0.11 Q	--	--	--	<0 036
PH, LABORATORY	SU	7.3 HF	7 2 HF	7 2 HF	--	7 2 HF	--	7.1 HF	7 1 HF	--	--	7.5 HF	--	--	--	7 3 HF
SULFATE, TOTAL	MG/L	28	30	30	--	39 N	--	30	30	--	--	22	--	--	--	26
TOTAL INORGANIC CARBON	MG/L	88	91	91	--	89	--	83	88	--	--	84	--	--	--	100
TOTAL ORGANIC CARBON AS NPOC	MG/L	<0 72	<0 72	2 2 QX	--	<1 4	--	<1 4	<1 4	--	--	<0 72	--	--	--	<1 4
METALS																
ALUMINUM, DISSOLVED	UG/L	<40	<6 3	<6 3	<6 3	8 2 Q	<4 4	<4 4	<4 4	<4 4	<4.4	<40	<6 3	<6 3	14 Q	<4 4
ANTIMONY, DISSOLVED	UG/L	<0 40	<0 24	<0 24	<0 24	<0 24	<0 10	<0 10	<0 10	<0 10	<0 10	<0 40	<0 24	<0 24	0 34 Q	<0 10
ARSENIC, DISSOLVED	UG/L	<0 40	0 21 Qu	0 18 Qu	0.16 QA	0 33 Q	0.18 QAu	0 33	0 14 Q	<0 093	0 26 Qu	<0 40	0 35 Qu	0 18 QA	0 62	0.26 Q
BARIUM, DISSOLVED	UG/L	36	38	34	32	38	35	35	36	37	41	36	35	34	38	34
BERYLLIUM, DISSOLVED	UG/L	<0 40	<0.10	<0.10	<0 10	<0 10	<0.070	<0 070	<0 070	<0 070	<0.070	<0 40	<0 10	<0.10	0.20 Q	<0 070
CADMIUM, DISSOLVED	UG/L	<0 40	<0 14	<0 14	<0 12	<0 12	<0 097	<0 097	<0 097	<0 097	<0 097	<0 40	<0 14	<0 12	0 22 Q	<0 097
CALCIUM, DISSOLVED	UG/L	83000	89000	95000	87000	86000	96000	84000	89000	88000	91000	77000	83000	75000	79000	79000
CHROMIUM, DISSOLVED	UG/L	0 66 Qu	0.72 Qu	0 59 Qu	0 36 Q	0.68 Q	0.48 Q	0 49 Q	<0 43	0 73 Qu	1 1 Qu	0 52 Qu	<0 32	0 32 Q	0.75 Q	<0.43
COBALT, DISSOLVED	UG/L	3 3	0 10	0 16	0 22 u	0 43	0 53	0 52 Au	0 13 QAu	0 080 Qu	0 12 Qu	0 94 Q	0 52 u	0 35 u	1 5	1 3 u
COPPER, DISSOLVED	UG/L	<2 0	0 57	4 2	0 85 u	1 2 Q	0 98 Au	0 76 u	0 70 u	0 84 u	0 92 u	<2 0	0 75 u	0.70 u	1 2 Q	1 4 AXu
IRON, DISSOLVED	UG/L	180	150	150	130	400	240	130 Au	110 Au	140 A	160 A	170	110 A	130	420	250 A
LEAD, DISSOLVED	UG/L	<0 40	<0 049	<0 049	<0 049	0 080 Q	<0 044	<0 044	<0 044	<0 044	<0 044	<0 40	<0 049	<0 049	0 25	<0.044 A
MAGNESIUM, DISSOLVED	UG/L	43000	45000	43000	47000	41000	49000	39000	38000	42000	50000	39000	44000	40000	41000	41000
MANGANESE, DISSOLVED	UG/L	7 1 A	1.0 Au	1 0 Au	1 8 A	1 2	1 5	1 4 Au	0 83 Au	0 69 Au	0 62 Au	3 9 A	2.9 Au	2.4 A	4 2	4.4
MANGANESE, TOTAL	UG/L	2 8	0 81 Au	0 95 Au	--	1 0 A	--	0 55 Au	0.64 Au	--	--	13	--	--	--	5 1
MERCURY, DISSOLVED	UG/L	<0 072	<0 072	<0 072	<0.072	<0 013 A	<0 10	<0.10	<0 10	<0.10	<0.10	<0 072	<0 072	<0 072	<0 013 A	<0 10
NICKEL, DISSOLVED	UG/L	2.2 Q	1 2	1.3	0 97 Q	2 0	1 2	0 23 QAu	0 25 Au	0 79 u	0 85 u	1.8 Q	0.89 Qu	1.3	2 4	1 2 u
POTASSIUM, DISSOLVED	UG/L	1800	1600	1600	1600	1700	1600	1500	1400	1800	1900	1800	1700	1600	1700	1700
SELENIUM, DISSOLVED	UG/L	<4 0	0 70 Q	<0 67	<0 67	0 84 Q	0 61 Au	1 8 Au	0 74 Au	<0 15	0 86 u	<4 0	0 92 Q	<0.67	1 1 Q	0.71 u
SILVER, DISSOLVED	UG/L	<0 40	<0 034	<0 034	<0 034 A	<0 034 A	<0.11	<0.11	<0 11	<0 11	<0 11	<0 40	<0.034	<0 034 A	0.050 QA	<0.11 A
SODIUM, DISSOLVED	UG/L	6300	6300	6000	5800	6600	5900	5500	5400	5700	5900	4800	5400	5100	5500 A	5200
THALLIUM, DISSOLVED	UG/L	<0 40	<0 053	<0 053	<0 053	0 070 Q	<0 030	<0 030	<0 030	<0 030	<0 030	<0.40	<0 053	<0.053	0 20	<0 030 A
VANADIUM, DISSOLVED	UG/L	<1 2	0 69	0 58	0 64	0 89	0 54 Q	0 57 Q	0 54 Q	0 61 Qu	0 68 Qu	<1 2	0 59	0 69	1 0	0 58 Q
ZINC, DISSOLVED	UG/L	10 QAu	7 0 Au	5 2 Au	3 4 Au	3.6 A	2 4 QAu	<2 1	<2 1	5 4 QAu	5 9 QAu	6 0 QAu	4 1 u	3 6 A	4 2 A	4.6 QAu

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-208D 7/19/06	RM-208D 9/27/06	RM-208D DUP 9/27/06	RM-208D 12/15/06	RM-208D 4/23/07	RM-208D 7/27/07	RM-208D 10/29/07	RM-208D DUP 10/29/07	RM-208D 1/16/08	RM-208D DUP 1/16/08	RM-208I 7/19/06	RM-208I 9/29/06	RM-208I 12/15/06	RM-208I 4/23/07	RM-208I 8/2/07
VOLATILE ORGANICS																
1,1,1-TRICHLOROETHANE	UG/L	31	31	31	26	27	25	25	26	23	22	1 7 Q	1 5 Q	1 7 Q	1 8 Q	1 9 Q
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0.20	<0 20	<0 20	<0 20	<0.20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0.42	<0 42	<0 42	<0 42	<0 42	<0.42
1,1-DICHLOROETHANE	UG/L	17	14	14	13	13	13	13	13	13	13	<0 75	<0 75	0 81 Q	<0 75	<0 75
1,1-DICHLOROETHENE	UG/L	2 2	2 2	2 2	2 6	2 3	2 1	2 2	2 4	2 1	2.2	<0 57	<0 57	<0 57	<0 57	<0 57
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	8 3	7 4	7 9	7 2	--	--	--	--	--	--	<1 4	<1 4	<1 4	--	--
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0 46	<0 46	<0 46	<0.46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3 &	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3 &	<4 3 &	<4 3 &	<4 3 &	<4 3 &	<4 3	<4 3	<4 3	<4 3
2-HEXANONE	UG/L	<1 1	<1 1	<1 1	<1 1	<1 1	<1.1	<1 1 &	<1.1 &	<1.1 &*	<1 1 &*	<1.1	<1 1	<1 1	<1 1	<1 1
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2
ACETONE	UG/L	3 3 Qu	<2 3	<2.3	<2 3	<2 3	<2 2	<2 2 &	<2 2 &	<2 2 &	<2.2 &	<2 3	<2 3 &	<2 3	<2 3	<2 2
BENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56	<0.56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91	<0 91	<0.91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0.49	<0 49 &
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<0 97	<0 97	<0 97	<0 97	<0.97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37
CHLOROMETHANE	UG/L	0 43 Qu	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	8 3	7.4	7 9	7 2	7 6	6 4	6 5	6 8	6 9	6 2	<0 83	<0 83	<0 83	<0 83	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0.43	<0.43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43
STYRENE	UG/L	<0 86	<0.86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0.86	<0 86	<0 86	<0 86	<0 86	<0.86	<0 86
TETRACHLOROETHENE	UG/L	1 9 Xu	<0.45	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45	1 7 Xu	<0 45	<0 45	<0 45	<0 45
TOLUENE	UG/L	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19
TRICHLOROETHENE	UG/L	3 5	4 0	3 8	3 2	3 2	2 8	2 9	2 9	2 8	2 7	<0 48	<0 48	<0 48	<0 48	<0 48
VINYL CHLORIDE	UG/L	<0 18	<0.18	<0 18	<0 18	<0 18	<0.18	<0 18	<0 18	<0 18	<0 18	<0.18	<0 18	<0 18	<0 18	<0 18
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6

Notes:

Baseline MNA monitoring was conducted in July 2006.

Laboratory and data validation qualifier key in Table B5

"--" = not analyzed

Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-208I 11/2/07	RM-208I 1/16/08	RM-208S 7/19/06	RM-208S 9/29/06	RM-208S 12/15/06	RM-208S 4/23/07	RM-209D 7/18/06	RM-209D 9/27/06	RM-209D 12/18/06	RM-209D 4/19/07	RM-209D 8/1/07	RM-209D 10/30/07	RM-209D 12/27/07	RM-213D 7/21/06	RM-213D 9/20/06
FIELD PARAMETERS																
ALKALINITY, FIELD	MG/L	--	--	628	1378	--	--	476	404	168	3610	376	336	374	347	341
CARBON DIOXIDE, FIELD	MG/L	--	--	516	952	--	--	254	1474	2175	228	154	164	186	106	212
CONDUCTANCE, SPECIFIC	UMHOS/CM	722	731	1411	1794	1567	1476	983	937	948	1004	991	982	953	1107	1192
DISSOLVED OXYGEN, FIELD	MG/L	1 18	0 50	0 35	3 50	4 25	2 8	3 87	2 84	4 12	1 62	1 12	1.7	2 04	3 95	3 44
EH, FIELD	MV	223	264	-112	-29	63	-206	180	254	302	329	256	273	291	239	269
FERROUS IRON, FIELD	MG/L	--	0	3 8	4 6	--	--	<0 2	0	0	0	0	0	0	<0 2	0
PH, FIELD	SU	7.33	7 30	6 80	6.86	6 97	6 85	7 11	7 17	7 27	7 04	7 24	7 2	7 49	7 23	7 11
TEMPERATURE	DEG C	10 1	8 3	13.1	13 4	7 9	7 0	10 5	10 2	7 5	11 1	12 4	11 2	7 5	10 0	10 0
TURBIDITY, FIELD	NTU	0	0	24	36	62	18	1	2	1	3	2	4	3	41	87
INDICATOR PARAMETERS																
ALKALINITY AS CACO3, TOTAL	MG/L	--	--	750	--	--	--	480	460	460	500	480	480	480	370 Nj	380
CHLORIDE, TOTAL	MG/L	--	--	31 AN	--	--	--	21 A	19 A	18	20	23	22	22	61	69
ETHANE	UG/L	--	--	<250	--	--	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
ETHENE	UG/L	--	--	<250	--	--	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
METHANE	UG/L	--	--	4000	--	--	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
NITROGEN, NITRATE, TOTAL	MG/L	--	--	<0 18 C	--	--	--	2 2	1 2	1 3	1 6	2 0	2 0	1 9 Nj	29 Hhj	29
NITROGEN, NITRITE, TOTAL	MG/L	--	--	<0 080 C	--	--	--	<0 040	<0 040	<0 040	<0 036	<0 036 N	<0.036	<0 036 Nj	<0 040 N	<0 040
PH, LABORATORY	SU	--	--	7 0 HF	--	--	--	7.0 HF	7 3 HF	7.1 HF	7 1 HF	7 4 HF	7.1 HF	7 1 HF	7 4 HF	7 3 HF
SULFATE, TOTAL	MG/L	--	--	71	--	--	--	47	32	32	60	51 N	46	45	36 A	40
TOTAL INORGANIC CARBON	MG/L	--	--	170	--	--	--	120	120	120	120	160	120	130	89	87
TOTAL ORGANIC CARBON AS NPOC	MG/L	--	--	14	--	--	--	0 89 Q	<0 72	1 3 Q	<1 4	<1 4	<1 4	<1 4	2 7	8 6
METALS																
ALUMINUM, DISSOLVED	UG/L	6.1 Q	<4 4	<40	11 Q	9 4 Q	21 Q	<40	<6 3	<6 3	<6 3	<4 4	<4 4	<4 4	<40	<6 3
ANTIMONY, DISSOLVED	UG/L	<0 10	0 17 QAu	<0 40	<0 24	<0 24	<0 24	<0 40	<0 24	<0 24	<0 24	<0 10	0 14 Q	0 13 Qu	0.51 Q	0 58 Q
ARSENIC, DISSOLVED	UG/L	0 47 Au	0 24 Qu	17	19	17	14	<0 40	0 20 Qu	<0 13	<0.13	<0 093	<0 093	0 21 Qu	0 41 Q	<0 13
BARIUM, DISSOLVED	UG/L	34	34	85	110	78	89	63	62	63	76	64	62	57	110 N	110
BERYLLIUM, DISSOLVED	UG/L	<0 070	<0 070	<0 40	<0 10	<0 10	<0.10	<0 40	<0 10	<0 10	<0 10	<0 070	<0 070	<0 070	<0 40	<0 10
CADMIUM, DISSOLVED	UG/L	<0 097	<0 097	<0 40	<0 14	<0 12	0 21 Q	<0 40	<0 14	<0 12	<0 12	<0 097	<0 097	<0 097	<0 40	<0 14
CALCIUM, DISSOLVED	UG/L	81000	79000	130000	140000	130000	120000	110000	100000	110000	120000	110000	120000	120000	100000	110000
CHROMIUM, DISSOLVED	UG/L	0.47 Qu	<0 43	2 2 u	3 2	2 2	2 3	1 1 Qu	0.52 Qu	0 88 Qu	1 0 Q	0.44 Q	0 61 Q	0 43 Qu	0 48 Qu	0 44 Q
COBALT, DISSOLVED	UG/L	0 12 QAu	0 25 u	2 5	1.3 u	2 2 u	2 0	1 1 Q	1 3	0 50 Au	1 3 u	0.26 A	3 1	1 1 u	6 8	6.1
COPPER, DISSOLVED	UG/L	0 64 u	0 79 u	<2 0	1 3 u	0 89 u	<0 59	2 6 Q	1 4	0 94 u	1 7 Qu	2 0 AXu	1 1	1 4 u	2 6 Q	3 4
IRON, DISSOLVED	UG/L	63 Au	140 A	15000	11000	16000	16000	230	180	150	330	370	170 Au	1400	220	220
LEAD, DISSOLVED	UG/L	0 060 Qu	0 050 Qu	<0.40	<0 049	<0 049	0 060 Q	<0 40	<0 049	<0 049	0 050 Qu	<0 044	0 050 QAu	0 070 Qu	<0 40	<0 049
MAGNESIUM, DISSOLVED	UG/L	40000	42000	68000	86000	75000	68000	54000	55000	54000	54000	58000	49000	53000	60000	71000
MANGANESE, DISSOLVED	UG/L	1 6 Au	1 4 Au	120	90	100	180	2 2 Au	3 2 Au	2.1 A1	2 9	2 1 A	7 0 A	2 7 1u	35	37
MANGANESE, TOTAL	UG/L	--	--	120	--	--	--	1 4 Q	1 3 Au	1 8	7.4	3 0 A	1 6 A	2 0 u	40	45
MERCURY, DISSOLVED	UG/L	<0.10	<0 10	<0 072	<0 072	<0 072	<0 013 A	<0 072	<0 072	<0 072	<0 013 A	<0.10 A	<0 10	<0 10	<0 072	<0 072
NICKEL, DISSOLVED	UG/L	0 72 Au	0 86 u	5 2	6 0	4 0	5 3	2 6 Q	1.5	1 4	2 5	1 7 A	0 73 Au	2 8	5 8	4 4
POTASSIUM, DISSOLVED	UG/L	1700	1600	33000	46000	28000	24000	2400	2100	2200	2500	2300	1900	2100	2600	2900
SELENIUM, DISSOLVED	UG/L	0.51 u	0 67 u	<4 0	2 0 Q	1 1 Q	1.7 Q	<4 0	1 7 Q	2 2 Q	1 4 Q	2 5	1 3 Au	3 0 A	<4 0	<0 67
SILVER, DISSOLVED	UG/L	<0 11	<0.11	<0 40	<0 034	<0 034 A	<0 034 A	<0 40	<0 034	<0 034 A	<0 034 A	<0.11	<0 11	<0 11	0.73 Q	<0 034
SODIUM, DISSOLVED	UG/L	5300	5300	23000	48000	28000	31000	14000	10000	8700	10000	10000	8000	7100	18000	19000
THALLIUM, DISSOLVED	UG/L	<0.030	<0 030	<0 40	<0 053	<0 053	<0 053	<0 40	<0.053	<0.053 A	<0 053 A	<0 030 A	<0 030	<0 030	<0 40	<0 053
VANADIUM, DISSOLVED	UG/L	0 60 Q	0.47 Q	4 3	5 9	4 9	5 1	<1 2	0 12 Qu	0 25 Qu	0 29 Qu	<0 41	<0 41	<0 41	<1 2	1 3
ZINC, DISSOLVED	UG/L	6 0 QAu	14 Au	11 QAu	2 1 Qu	5 7 Au	4 3 A	67 A	8 7 Au	4 1 Au	1 9 Qau	5 0 QAu	4 0 Q	6 9 QAu	<4.0	5 3 Au

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-208I 11/2/07	RM-208I 1/16/08	RM-208S 7/19/06	RM-208S 9/29/06	RM-208S 12/15/06	RM-208S 4/23/07	RM-209D 7/18/06	RM-209D 9/27/06	RM-209D 12/18/06	RM-209D 4/19/07	RM-209D 8/1/07	RM-209D 10/30/07	RM-209D 12/27/07	RM-213D 7/21/06	RM-213D 9/20/06
VOLATILE ORGANICS																
1,1,1-TRICHLOROETHANE	UG/L	1 9 Q	1 8 Q	<0 90	<0.90	<0 90	<0 90	240	250	190	300	250	220	220	8 0	8 2
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0 20	<0 20	<0.20	<0 20	<0 40	<0 20	<0 20	<0 50	<1 0	<0 20	<0 20	<0 20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42	<0 42	<0.42	<0 84	<0 42	<0 42	<1 0	<2 1	<0 42	<0 42	<0 42	<0 42
1,1-DICHLOROETHANE	UG/L	0.76 Q	<0 75	<0 75	<0 75	<0.75	<0.75	110	100	96	130	110	110	110	1 5 Q	1 7 Q
1,1-DICHLOROETHENE	UG/L	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	12	12	11	17	12	14	12	<0 57	<0.57
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 72	<0 36	<0 36	<0 90	<1 8	<0 36	<0 36	<0 36	<0.36
1,2-DICHLOROETHENE, TOTAL	UG/L	--	--	<1 4	<1 4	<1 4	--	26	26	24	--	--	--	--	2 7 Q	3 4 Q
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 92	<0 46	<0 46	<1 2	<2 3	<0 46	<0 46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3	<4 3 &	<4 3 &	<4 3	<4 3	<4 3	<8 6 &	<4 3	<4 3	<11	<22	<4 3 &	<4 3	<4 3 &	<4 3
2-HEXANONE	UG/L	<1.1	<1 1 &*	<1 1	<1 1	<1 1	<1 1	<2 2	<1 1	<1 1	<2 8	<5 5	<1 1 &	<1 1	<1.1	<1 1
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<2 4	<1 2	<1 2	<3 0	<6 0	<1 2	<1 2	<1 2	<1 2
ACETONE	UG/L	<2 2 &	<2 2 &	5 6 Qu	<2 3 &	<2 3	<2 3	<4 6	<2 3	<2 3	<5 8	<11	<2 2 &	<2 2	<2 3	<2 3
BENZENE	UG/L	<0 41	<0 41	0 98 Q	1 3 Q	0 48 Q	0 83 Q	<0 82	<0 41	<0 41	<1 0	<2 0	<0 41	<0 41	<0 41	<0.41
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0 56	<0 56	<0 56	<0.56	<1 1	<0 56	<0 56	<1 4	<2 8	<0 56	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<1 9	<0 94	<0 94	<2 3	<4 7	<0 94	<0 94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<1.8	<0 91	<0 91	<2 3	<4.6	<0 91	<0 91	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<1 3	<0 66	<0 66	<1 6	<3 3	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 98	<0 49	<0 49	<1 2	<2 4	<0 49	<0 49	<0 49	<0 49
CHLOROBENZENE	UG/L	<0 41	<0 41	<0.41	<0 41	<0 41	<0 41	<0 82	<0 41	<0 41	<1 0	<2 0	<0 41	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<1 6	<0 81	<0 81	<2 0	<4 1	<0 81	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<0 97	<0 97	<0.97	<0 97	<0 97	<0.97	<1 9	<0 97	<0 97	<2 4	<4 8	<0 97	<0 97	<0 97	<0 97
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37	<0 37	<0.37	<0 74	<0 37	<0 37	<0 92	<1 8	<0.37	<0 37	<0 37	<0 37
CHLOROMETHANE	UG/L	<0 24	<0 24	<0.24	<0 24	<0 24	<0 24	<0 48	<0 24	<0 24	<0 60	<1 2	<0 24	<0 24	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	26	26	24	29	24	28	26	2 7 Q	3 4
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0.19	<0 19	<0 19	<0.19	<0 38	<0 19	<0 19	<0 48	<0 95	<0 19	<0.19	<0 19	<0.19
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<1 1	<0 54	<0 54	<1 4	<2 7	<0 54	<0.54	<0 54	<0.54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0.43	<0 43	<0 43	<0 43	<0 86	<0 43	<0 43	<1 1	<2 2	<0 43	0 43 Qu	<0 43	<0 43
STYRENE	UG/L	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<1.7	<0 86	<0 86	<2.2	<4 3	<0 86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	<0 45	<0.45	1 4 QXu	<0 45	<0 45	<0 45	3 0 QX	1 9	1 4 Q	2 1 Q	<2 2	1 4 Q	1.3 Q	<0 45	<0 45
TOLUENE	UG/L	<0 67	<0 67	<0 67	<0.67	<0 67	<0 67	<1 3	<0 67	<0 67	<1 7	<3.4	<0 67	<0 67	<0 67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89	<0 89	<0.89	<1 8	<0 89	<0 89	<2 2	<4 4	<0.89	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 38	<0 19	<0 19	<0 48	<0.95	<0.19	<0 19	<0.19	<0 19
TRICHLOROETHENE	UG/L	<0 48	<0 48	<0 48	<0 48	<0 48	<0 48	8 2	11	8 8	13	10	9 5	9 3	1 0 Q	1 4 Q
VINYL CHLORIDE	UG/L	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 36	<0 18	<0 18	<0 45	<0 90	<0 18	<0 18	<0 18	<0.18
XYLENE, TOTAL	UG/L	<2.6	<2 6	<2 6	<2 6	<2 6	<2 6	<5 2	<2 6	<2 6	<6 5	<13	<2.6	<2 6	<2 6	<2 6

Notes

Baseline MNA monitoring was conducted in July 2006

Laboratory and data validation qualifier key in Table B5.

"--" = not analyzed

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-213D 12/20/06	RM-213D 4/22/07	RM-213D 7/31/07	RM-213D 10/31/07	RM-213D 1/9/08	RM-214D 7/21/06	RM-214D 9/20/06	RM-214D 12/20/06	RM-214D 4/22/07	RM-214D 7/31/07	RM-214D 10/31/07	RM-214D 12/27/07	RM-301S 7/20/06	RM-301S 9/29/06	RM-301S 12/15/06
FIELD PARAMETERS																
ALKALINITY, FIELD	MG/L	2136	3160	306	272	264	659	535	2518	4660	526	404	424	355	1288	--
CARBON DIOXIDE, FIELD	MG/L	152	78	144	248	236	298	440	284	222	262	242	288	224	172	--
CONDUCTANCE, SPECIFIC	UMHOS/CM	1183	1274	1293	1278	1314	1214	1238	1256	1222	1235	1222	1197	1084	1335	1360
DISSOLVED OXYGEN, FIELD	MG/L	4 63	4 87	4 55	5	4 86	0 23	5 90	2 34	0 73	0 10	0 5	0 18	7 55	2 61	1 92
EH, FIELD	MV	332	328	311	329	332	260	232	337	186	212	138	87	210	124	125
FERROUS IRON, FIELD	MG/L	0	0	0	0	0	<0 2	0	1	0	0	0	0	<0 2	0	--
PH, FIELD	SU	7 17	7.14	7 18	7 15	7 16	6 84	6 89	6 91	6 95	6 92	6 86	7 25	7 73	6 97	7.00
TEMPERATURE	DEG C	8 2	11 5	10 9	9 8	6 8	11 1	10 2	8 5	11 8	10 9	9 6	6 8	11.7	12 1	10
TURBIDITY, FIELD	NTU	32	6	11	18	3	110	579	193	211	22	10	111	171	98	60
INDICATOR PARAMETERS																
ALKALINITY AS CACO3, TOTAL	MG/L	380	370	350	370	370	630	600	600	690	610	640	620	380	--	--
CHLORIDE, TOTAL	MG/L	68	85	84	77	80	9 3 A	9 5	10	10	9 4	9 2	9 0 u	99	--	--
ETHANE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	--	--
ETHENE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	--	--
METHANE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	--	--
NITROGEN, NITRATE, TOTAL	MG/L	31 Hhj	42	43	40 Hj	38	0 70	0 91	0 92	0 73	0.87	0 85	0 71	0 73	--	--
NITROGEN, NITRITE, TOTAL	MG/L	<0 040 Hhj	<0 036	<0 036	<0 036	<0 036	<0 040	<0 040	<0 040 Hhj	<0 036	0 36	<0 036	<0 036	<0 040	--	--
PH, LABORATORY	SU	7.2 HF	7 1 HF	7 2 HF	7 2 HF	7 2 HF	7 0 HF	7 2 HF	6 9 HF	6 8 HF	6 8 HF	6 9 HF	6 9 HF	7.6 HF	--	--
SULFATE, TOTAL	MG/L	43	70	58	53	52	78	74	86	88	84	82	98	97	--	--
TOTAL INORGANIC CARBON	MG/L	100	82	90	90	93	160	150	210	150	150	150	180	91	--	--
TOTAL ORGANIC CARBON AS NPOC	MG/L	2 9	3 0 Q	3 2 Q	3 2 Q	1 9 Q	1 4 Q	3 3	1 2 Q	1 9 Q	<1 4	1 5 Q	1 8 Q	2.3 Q	--	--
METALS																
ALUMINUM, DISSOLVED	UG/L	<6 3	<6 3	<4 4	4 4 Q	8 0 QAu	<40	<6 3	<6 3	<6 3	<4 4	5 4 Q	<4 4	<40	17 Q	<6 3
ANTIMONY, DISSOLVED	UG/L	<0 24	<0 24	0 11 Q	0 17 Q	0 20 Qu	<0 40	<0 24	<0 24	<0 24	<0 10	<0 10	0 11 Qu	<0 40	<0.24	<0 24
ARSENIC, DISSOLVED	UG/L	0 21 Q	<0 13	0 13 QAu	0 46 Au	0 48 Au	0 96 Q	0 71	1 1	0 90	0.93 Au	1 4 A	1 1	<0 40	0 36 Q	0.13 QA
BARIUM, DISSOLVED	UG/L	110	75	74	76	78	160	150	150	120	120	100	90	47	56	54
BERYLLIUM, DISSOLVED	UG/L	<0 10	<0 10	<0 070	<0 070	<0 070	<0 40	<0 10	<0 10	<0 10	<0 070	<0 070	<0 070	<0 40	<0 10	<0 10
CADMIUM, DISSOLVED	UG/L	<0 12	<0 12	<0 097	<0 097	<0 097	<0 40	<0 14	<0 12	<0 12	<0 097	<0 097	<0 097	<0 40	<0 14	<0 12
CALCIUM, DISSOLVED	UG/L	110000	120000	130000	140000	130000	140000	170000	170000	160000	160000	160000	170000	120000	120000	120000
CHROMIUM, DISSOLVED	UG/L	0 42 Qu	<0 32	<0 43	<0 43	<0 43	<0 40	<0 32	0 76 Qu	0 60 Q	0 50 Q	<0 43	<0.43	2 5 u	0 53 Q	1 3
COBALT, DISSOLVED	UG/L	9 0	42	37	41	37	3 1	1 0	1 1 u	1.1	2 4	2 9	2 8 u	2 4	0 81 u	3 2
COPPER, DISSOLVED	UG/L	3 4	2 8 u	3 1 AXu	2 9	3 3 u	<2 0	1 3	1 5 u	1.9 Qu	5 2 AXu	1.1	1 4 u	3 9 Q	7 4	4 9
IRON, DISSOLVED	UG/L	190	330	350	97 Au	180	380	390	390	560	640	320 A	2000	260	180 A	240
LEAD, DISSOLVED	UG/L	<0 049	<0 049	<0 044	<0 044	0 090 Qu	<0 40	<0 049	0 060 Q	<0 049	<0 044	<0 044	0 050 Qu	<0 40	<0 049	<0 049
MAGNESIUM, DISSOLVED	UG/L	63000	68000	73000	85000	77000	59000	69000	69000	60000	62000	66000	62000	53000	54000	50000
MANGANESE, DISSOLVED	UG/L	16	11	10	11	9 2 A1u	120	110	130	110	140	160	130	9 4 A	43	35
MANGANESE, TOTAL	UG/L	37	14	12 A	23	8 1	150	180	220	190	140	170	200	88	--	--
MERCURY, DISSOLVED	UG/L	<0 072	<0 013 A	<0 10	<0 10	<0 10	<0 072	<0 072	<0 072	<0 013 A	<0 10	<0 10	<0 10	<0 072	<0 072	<0 072
NICKEL, DISSOLVED	UG/L	3 9	7 6	6 4	6 6	6 7	5 3	4 6	4 3	4 6	3 9	3 3	4 9	19	120	240
POTASSIUM, DISSOLVED	UG/L	3100	3000	2800	3100	2800	5400	5000	5100	4600	4700	5200	4300	1500	1700	1600
SELENIUM, DISSOLVED	UG/L	<0 67	0 69 Q	0 63 Au	1 2	1 3 Au	<4 0	0 76 Qu	0 95 Q	<0 67	<0 15	1 2	0 79 Au	<4 0	1 1 Q	<0 67
SILVER, DISSOLVED	UG/L	<0 034	<0 034 A	<0 11	<0.11	<0.11	<0 40	<0 034	<0 034	<0 034 A	<0 11	<0 11	<0.11	<0.40	<0.034	<0 034 A
SODIUM, DISSOLVED	UG/L	17000	16000	17000	17000	17000	14000	11000	11000	10000	9800	10000	10000	39000	89000	81000
THALLIUM, DISSOLVED	UG/L	<0.053	<0 053 A	<0 030	<0 030	0 040 Qu	<0 40	<0 053	0 090 Q	<0 053 A	0 13	0 090 Q	0.16 u	<0 40	<0 053	<0 053
VANADIUM, DISSOLVED	UG/L	1 6	1 2 u	1 1 Q	1 4 Q	1 2 Q	<1 2	0 98	1 3	1.2 u	0 87 Q	1 1 Q	0 63 Q	<1 2	0 25 Q	0 34
ZINC, DISSOLVED	UG/L	5 7 Au	<0 98 A	2 7 QAu	6 6 QAu	6 7 QAu	10 QAu	5 2 Au	23 A	1 7 QAu	3 7 QAu	4.9 QAu	6 2 QAu	6 8 QAu	4 3 u	6 6 Au

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-213D 12/20/06	RM-213D 4/22/07	RM-213D 7/31/07	RM-213D 10/31/07	RM-213D 1/9/08	RM-214D 7/21/06	RM-214D 9/20/06	RM-214D 12/20/06	RM-214D 4/22/07	RM-214D 7/31/07	RM-214D 10/31/07	RM-214D 12/27/07	RM-301S 7/20/06	RM-301S 9/29/06	RM-301S 12/15/06
VOLATILE ORGANICS																
1,1,1-TRICHLOROETHANE	UG/L	9 1	8 9	9 0	8 1	7 7	21	20	24	24	26	22	21	<0 90	<0 90	<0 90
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0.20	<0 20	<0 20	<0 20	<0 20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0.42	<0 42	<0.42	<0 42	<0 42	<0 42	<0 42	<0.42	<0.42	<0 42	<0 42	<0 42
1,1-DICHLOROETHANE	UG/L	1 9 Q	1 8 Q	1 7 Q	1 8 Q	1 6 Q	10	11	11	12	11	9 8	11	<0.75	<0 75	<0 75
1,1-DICHLOROETHENE	UG/L	<0 57	<0 57	<0 57	<0 57	<0 57	1 4 Q	1 5 Q	1.6 Q	1 8 Q	1 8 Q	1 6 Q	1 6 Q	<0 57	<0 57	<0 57
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	3 4 Q	--	--	--	--	43	44	41	--	--	--	--	<1 4	<1 4	<1 4
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0.46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3	<4 3	<4 3	<4 3 *	<4 3	<4 3 &	<4 3	<4 3	<4 3	<4 3	<4 3 *	<4 3	<4 3 &	<4 3	<4 3
2-HEXANONE	UG/L	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1.1	<1.1	<1 1	<1.1	<1.1
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2	<1.2	<1 2	<1 2	<1 2	<1 2	<1.2	<1 2	<1 2	<1.2	<1 2	<1 2	<1 2	<1 2
ACETONE	UG/L	<2 3	<2.3	<2 2	<2 2 *	<2 2 *	<2 3	<2 3	<2 3	<2 3	<2 2	<2 2 *	<2 2	<2 3	<2 3 &	<2 3
BENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0.41	<0 41	<0 41	<0.41	<0 41	<0 41	<0 41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0.56	<0 56	<0.56	<0 56	<0 56	<0 56	<0.56	<0 56
BROMOFORM	UG/L	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0.94	<0 94	<0 94	<0 94	<0 94	<0 94	<0.94	<0 94
BROMOMETHANE	UG/L	<0.91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0.66	<0 66	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0.49	<0 49	<0.49	<0 49	<0 49	<0 49	<0 49	<0.49	<0 49	<0.49	<0 49	<0 49	<0 49	<0 49	<0 49
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0.97	<0 97	<0 97	<0 97	<0.97
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0.37
CHLOROMETHANE	UG/L	<0 24	<0 24	<0 24	<0.24	<0 24	0 47 Qu	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	3.4	3 5	3 0	2 7 Q	3 0	43	44	41	45	41	38	38	<0 83	<0 83	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0.19	<0.19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0.54	<0 54	<0 54	<0 54	<0.54	<0 54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0.43	<0 43	<0 43	<0 43	<0.43	<0 43	<0 43	<0 43	0 51 Qu	<0 43	<0 43	<0 43
STYRENE	UG/L	<0 86	<0 86	<0.86	<0.86	<0 86	<0 86	<0 86	<0.86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	<0 45	<0 45	<0 45	<0 45	<0 45	1.2 QXu	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45	1 5 QXu	<0 45	<0 45
TOLUENE	UG/L	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0.67	<0 67	<0 67	<0 67	<0.67	<0 67	<0 67	<0 67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0.89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0.19	<0 19
TRICHLOROETHENE	UG/L	1 3 Q	1 3 Q	1 4 Q	0 99 Q	1 3 Q	4 7	4 9	4 9	5 1	5 2	4.5	4 6	<0 48	<0 48	<0 48
VINYL CHLORIDE	UG/L	<0 18	<0 18	<0 18	<0.18	<0 18	2 1	1 5	1.9	2 1	2 0	2 4	2 9	<0 18	<0 18	<0 18
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2 6	<2.6	<2 6	<2 6	<2 6	<2 6	<2 6	<2.6	<2 6	<2 6	<2 6	<2 6	<2 6

Notes:

Baseline MNA monitoring was conducted in July 2006

Laboratory and data validation qualifier key in Table B5.

"--" = not analyzed

Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-301S 4/20/07	RM-301S 8/2/07	RM-301S 11/2/07	RM-301S 1/10/08	RM-302S 7/18/06	RM-302S 9/29/06	RM-302S 12/21/06	RM-302S 4/20/07	RM-302S 8/2/07	RM-302S 11/2/07	RM-302S 1/15/08	RM-303D 7/18/06	RM-303D 7/21/06	RM-303D 9/28/06	RM-303D 12/19/06	RM-303D 4/19/07	RM-303D 8/1/07
FIELD PARAMETERS																		
ALKALINITY, FIELD	MG/L	--	358	--	--	350 +	1169	--	--	316	--	--	483	483	422	1560	3110	552
CARBON DIOXIDE, FIELD	MG/L	--	234	--	--	308	188	--	--	124	--	--	312	312	1748	276	284	324
CONDUCTANCE, SPECIFIC	UMHOS/CM	1044	1110	1194	1324	1017	1042	1018	978	989	945	852	1067	1067	1129	1158	1164	1184
DISSOLVED OXYGEN, FIELD	MG/L	4 16	2 98	0 59	1 30	0 16	0 12	7.84	0 28	0 26	0.28	0 22	1 48	1.48	8 24	4 22	2 05	0 98
EH, FIELD	MV	295	191	1 54	308	164	125	285	150	185	158	301	179	179	258	321	325	265
FERROUS IRON, FIELD	MG/L	--	0 1	--	0	<0.2	0 08	--	--	0	--	0	<0.2	<0 2	0	0	0	0
PH, FIELD	SU	7 29	7 22	7 15	7.15	7.11	6 87	7 30	7 09	7 11	7	7 05	6 84	6 84	7.35	6 66	6 70	6 71
TEMPERATURE	DEG C	8 8	13 1	12 6	9 0	13 6	12 9	7 1	7 9	14.7	12 2	4 4	12 3	12 3	11 0	7.8	10 6	13.2
TURBIDITY, FIELD	NTU	47	18	22	38	6	4	3	4	3	0	14	29	29	24	22	9	6
INDICATOR PARAMETERS																		
ALKALINITY AS CACO3, TOTAL	MG/L	--	390 N	--	--	440	--	--	--	400	--	--	540 N	--	510	580	600	650
CHLORIDE, TOTAL	MG/L	--	95	--	--	67	--	--	--	70	--	--	31 N	--	26 A	25	28	27
ETHANE	UG/L	--	<10	--	--	<10	--	--	--	<10	--	--	<10	--	<10	<10	<10	<10
ETHENE	UG/L	--	<10	--	--	<10	--	--	--	<10	--	--	<10	--	<10	<10	<10	<10
METHANE	UG/L	--	<10	--	--	77	--	--	--	<10	--	--	<10	--	<10	<10	<10	<10
NITROGEN, NITRATE, TOTAL	MG/L	--	0 83	--	--	1 1	--	--	--	1 4	--	--	--	3 5	4 3	3 3	2 7	2 9
NITROGEN, NITRITE, TOTAL	MG/L	--	<0 036	--	--	<0 040	--	--	--	<0 036	--	--	--	0 20	<0 040	<0.040	<0 036	<0 036
PH, LABORATORY	SU	--	7 0 HF	--	--	7.4 HF	--	--	--	7 0 HF	--	--	6 8 HF	--	7 3 HF	6 5 HF	6 9 HF	6 8 HF
SULFATE, TOTAL	MG/L	--	94	--	--	28	--	--	--	46	--	--	54 N	--	48	43	42	38
TOTAL INORGANIC CARBON	MG/L	--	89	--	--	100	--	--	--	96	--	--	140	--	130	170	150	220
TOTAL ORGANIC CARBON AS NPOC	MG/L	--	2.2 QX	--	--	13	--	--	--	6 6	--	--	6 2	--	3 5	3 9	2 3 Q	2 1 Q
METALS																		
ALUMINUM, DISSOLVED	UG/L	<6 3	11 Q	<4 4	7 9 QAu	<40	20 Q	<6 3	<6 3	<4.4	5 4 Q	<4 4	<40	--	<6 3	<6 3	<6 3	<4 4
ANTIMONY, DISSOLVED	UG/L	<0 24	0 11 Qu	0 12 Q	0 17 Qu	<0 40	<0 24	<0 24	<0 24	0 14 Qu	<0 10	0 21 QAu	<0 40	--	<0 24	<0 24	<0 24	0 15 Q
ARSENIC, DISSOLVED	UG/L	<0 13	0 18 Q	0.21 QAu	0 36 Au	0 60 Q	0 44	0 33 Q	0 18 Q	0 22 Q	0 24 QAu	0 29 Qu	<0 40	--	0 32 Q	<0.13	0 15 Q	0 12 Q
BARIUM, DISSOLVED	UG/L	41	42	48	58	90	100	88	81	88	80	67	67	--	73	78	79	84
BERYLLIUM, DISSOLVED	UG/L	<0 10	<0 070	<0 070	<0 070	<0 40	<0 10	<0 10	<0 10	<0.070	<0 070	<0 070	<0 40	--	<0.10	<0 10	<0 10	<0.070
CADMIUM, DISSOLVED	UG/L	<0.12	<0 097	<0 097	<0.097	<0 40	<0 14	<0.12	<0 12	<0 097	<0 097	0 23 Qu	<0 40	--	<0 14	<0.12	<0 12	<0 097
CALCIUM, DISSOLVED	UG/L	100000	110000	110000	140000	110000	98000	95000	96000	90000	84000	93000	120000	--	140000	140000	130000	140000
CHROMIUM, DISSOLVED	UG/L	12	1.1 Q	7 1	2 3 u	<0 40	<0 32	0 78 Q	1.5	<0 43	<0 43	0 66 Qu	<0 40	--	9.1	6 9	16	13
COBALT, DISSOLVED	UG/L	1 3	3.1	2.8 u	2 6 u	3 0	1 6	1 8 u	1 7	3 5	2 1 u	1 8 u	2 5	--	0 70	1 8 Au	0 91 u	2 4 A
COPPER, DISSOLVED	UG/L	3 0	3 7 AXu	3 4	3 4 u	13	7.4	8 1	12	9 6 X	5.9	5 8 u	4 6 Q	--	4 9	4 8	3 0 u	3.7 AXu
IRON, DISSOLVED	UG/L	290	390	190 Au	190	260	240	190	290	320	140 Au	170 A	300	--	170 A	300	380	450
LEAD, DISSOLVED	UG/L	<0 049	0 12 QA	0.060 Qu	0 080 Qu	<0 40	<0 049	<0 049	<0 049	<0 044 A	<0 044	<0 044	<0 40	--	<0.049	<0.049	0 060 Qu	<0 044
MAGNESIUM, DISSOLVED	UG/L	38000	43000	47000	49000	47000	48000	44000	44000	43000	40000	43000	55000	--	69000	63000	61000	68000
MANGANESE, DISSOLVED	UG/L	3 9	15	13	9 6 Au	100	100	99	90	77	87	78	210	--	12 A	57 2j	4 1	6 1
MANGANESE, TOTAL	UG/L	--	59	--	--	110	--	--	--	90	--	--	190	--	4 9	4 3 j	6 2	5 5 A
MERCURY, DISSOLVED	UG/L	<0 013 A	<0 10 A	<0 10	<0 10	<0 072	<0 072	<0 072	<0.013 A	<0 10 A	<0 10	<0 10	<0 072	--	<0 072	<0 072	<0 013 A	<0 10 A
NICKEL, DISSOLVED	UG/L	47	70	87	41	11	8.1	8.6	9 5	9 0	8 0	6 6	37	--	16	20	23	27
POTASSIUM, DISSOLVED	UG/L	1300	1400	1800	1700 Ej	12000	13000	9700	9800	13000	12000	7600	3300	--	3600	3400	3200	3500
SELENIUM, DISSOLVED	UG/L	1 1 Q	1 4 u	1.2	0 98 Au	<4 0	1 1 Q	1 4 Q	0 93 Q	1 3 u	1 8	1 4	<4 0	--	0 71 Q	<0 67	<0 67	0 15 Q
SILVER, DISSOLVED	UG/L	<0 034 A	<0 11 A	<0 11	<0.11	<0.40	<0 034	<0 034	<0.034 A	<0.11 A	<0 11	<0 11	<0 40	--	<0 034	<0 034 A	<0 034 A	<0.11
SODIUM, DISSOLVED	UG/L	52000	54000	63000	73000	28000	46000	41000	25000	37000	24000	20000	18000	--	15000	14000	12000	12000
THALLIUM, DISSOLVED	UG/L	<0.053 A	<0 030 A	<0 030	<0 030	<0 40	<0 053	<0 053	<0 053 A	<0 030 A	<0 030	<0 030	<0 40	--	0.28	0 24 A	0 22 A	0 20 A
VANADIUM, DISSOLVED	UG/L	0 20 Qu	<0 41	<0 41	<0 41	<1 2	0 75	0 81 u	0 71 u	0 61 Q	0 70 Q	0 53 Qu	<1.2	--	<0 10	0.33 Qu	0 19 Qu	<0.41
ZINC, DISSOLVED	UG/L	1 9 QA	10 Au	6 4 QAu	7 7 Au	7 0 QAu	4 7	6 0 Au	1 1 QA	6 2 QAu	3 7 QAu	5 9 QAu	11 QAu	--	5.6	10 A	4 4 Au	15 Au

Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-301S 4/20/07	RM-301S 8/2/07	RM-301S 11/2/07	RM-301S 1/10/08	RM-302S 7/18/06	RM-302S 9/29/06	RM-302S 12/21/06	RM-302S 4/20/07	RM-302S 8/2/07	RM-302S 11/2/07	RM-302S 1/15/08	RM-303D 7/18/06	RM-303D 7/21/06	RM-303D 9/28/06	RM-303D 12/19/06	RM-303D 4/19/07	RM-303D 8/1/07
VOLATILE ORGANICS																		
1,1,1-TRICHLOROETHANE	UG/L	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	500	--	200	770	950	1200
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<1 0	--	<0 20	<1 0	<2 0	<2.0
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<2 1	--	0 61 Q	<2 1	<4 2	<4.2
1,1-DICHLOROETHANE	UG/L	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0.75	<0 75	<0 75	<0 75	<0 75	430	--	200	680	750	980
1,1-DICHLOROETHENE	UG/L	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	17	--	7 2	28	48	48
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<1 8	--	<0 36	<1 8	<3 6	<3 6
1,2-DICHLOROETHENE, TOTAL	UG/L	--	--	--	--	<1 4	<1 4	<1 4	--	--	--	--	200	--	120	340	--	--
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<2 3	--	<0 46	<2 3	<4 6	<4 6
2-BUTANONE	UG/L	<4 3	<4 3	<4 3	<4 3	<4 3 &	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<22 &	--	<4 3	<22	<43	<43
2-HEXANONE	UG/L	<1 1	<1 1	<1 1	<1.1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<5 5	--	<1.1	<5.5	<11	<11
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<6 0	--	<1 2	<6 0	<12	<12
ACETONE	UG/L	<2 3	<2 2	<2 2 &	<2 2	5.4 Qu	<2 3 &	<2 3	<2 3	<2 2	<2 2 &	<2 2	<12	--	<2.3 &*	<12	<23	<22
BENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<2 0	--	<0 41	<2 0	<4 1	<4 1
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<2 8	--	<0 56	<2 8	<5 6	<5 6
BROMOFORM	UG/L	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<4 7	--	<0 94	<4 7	<9 4	<9 4
BROMOMETHANE	UG/L	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0.91	<0 91	<0 91	<0 91	<4 6	--	<0 91	<4 6	<9 1	<9 1
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<3 3	--	<0 66	<3 3	<6 6	<6 6
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49 &	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49 &	<0 49	<0 49	<2 4	--	<0 49	<2 4	<4.9	<4.9
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<2 0	--	<0 41	<2 0	<4 1	<4 1
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<4 1	--	<0 81	<4 1	<8 1	<8 1
CHLOROETHANE	UG/L	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	16 Q	--	<0 97	<4 8	<9 7	<9 7
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<1 8	--	<0 37	<1.8	<3 7	<3 7
CHLOROMETHANE	UG/L	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<1 2	--	<0 24	<1 2	<2 4	<2 4
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	200	--	110	340	330	370
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 95	--	<0 19	<0 95	<1 9	<1 9
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0.54	<0 54	<0 54	<0 54	<2 7	--	<0 54	<2 7	<5 4	<5 4
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0.43	<0 43	<0.43	<0 43	<2 2	--	<0 43	7 4 Bu	<4 3	<4.3
STYRENE	UG/L	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<4 3	--	<0 86	<4 3	<8 6	<8 6
TETRACHLOROETHENE	UG/L	<0 45	<0 45	<0 45	<0 45	1.5 QXu	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45	2 8 QX	--	1 3 Q	4 2 Q	6 4 Q	6 4 Q
TOLUENE	UG/L	<0.67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<3 4	--	<0 67	<3 4	<6 7	<6 7
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<4 4	--	1.5 Q	<4.4	<8 9	<8 9
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 95	--	<0 19	<0.95	<1 9	<1 9
TRICHLOROETHENE	UG/L	<0 48	<0 48	<0 48	<0 48	<0 48	<0 48	<0.48	<0 48	<0 48	<0 48	<0 48	59	--	37	120	120	120
VINYL CHLORIDE	UG/L	<0 18	<0 18	<0.18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 90	--	<0 18	<0 90	<1 8	<1 8
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<13	--	<2 6	<13	<26	<26

Notes:

Baseline MNA monitoring was conducted in July 2006.

Laboratory and data validation qualifier key in Table B5.

"--" = not analyzed

Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-303D 10/30/07	RM-303D 1/10/08	RM-304D 7/17/06	RM-304D 9/28/06	RM-304D 4/19/07	RM-305D 7/17/06	RM-305D 9/28/06	RM-305D 4/19/07	RM-305D 10/30/07	RM-306D 7/17/06	RM-306D 9/28/06	RM-306D 12/20/06	RM-306D 4/24/07	RM-306D 8/3/07	RM-306D DUP 8/3/07	RM-306D 10/30/07	RM-306D 1/14/08
FIELD PARAMETERS																		
ALKALINITY, FIELD	MG/L	428	482	345	292	2535	340	261	2940	170	335	370	1966	3100	352	--	292	316
CARBON DIOXIDE, FIELD	MG/L	284	364	100	1158	112	214	1232	126	104	196	1312	146	146	98	--	178	144
CONDUCTANCE, SPECIFIC	UMHOS/CM	1182	1197	627	676	647	905	825	838	806	715	749	720	766	760	--	734	717
DISSOLVED OXYGEN, FIELD	MG/L	0 88	1 22	9 59	7 68	7 85	6 43	7 38	5 62	7 88	11 10	8 56	11 30	5 86	5 63	--	6 9	7 45
EH, FIELD	MV	258	294	223	282	360	215	275	344	280	164	307	351	347	330	--	344	344
FERROUS IRON, FIELD	MG/L	0	0	<0 2	0	0	<0 2	0	0	0	<0 2	0	0	0	0	--	0	0
PH, FIELD	SU	6 71	6 65	7.15	7 07	7 38	7 06	7 42	7 50	7 88	7 06	7 08	7 47	7 07	7 26	--	7 24	7.12
TEMPERATURE	DEG C	11.8	7 9	12 0	10 8	10 2	16 9	10.4	10	11	12 0	9 4	7 5	9 7	11 2	--	10 5	7 3
TURBIDITY, FIELD	NTU	8	12	29	428	41	29	68	38	58	19	7	16	2	0	--	12	4
INDICATOR PARAMETERS																		
ALKALINITY AS CACO3, TOTAL	MG/L	620	610	320	340	350	380	270	330	280	390	400	400	430	410	410	410	380
CHLORIDE, TOTAL	MG/L	24	25	6 8 A	6 5 A	5.6	24 A	24 A	26	25	4 8 A	3 6 A	4 2	3 8	4 2	4	4 0	4 0 Nju
ETHANE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
ETHENE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
METHANE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
NITROGEN, NITRATE, TOTAL	MG/L	2 2	1 4	4 3	5 5	6 4	9 2	9 4	11 Hj	9 8 Hj	1 7	2 1	2 3	2.2	2 1	2 1	2 1	2 2
NITROGEN, NITRITE, TOTAL	MG/L	<0 036	<0 036	<0 040	<0 040	<0 036	<0 040	<0 040	<0 036	<0 036	<0 040	<0 040	<0 040 Hhj	<0 036	<0 036	<0 036	<0 036	<0 036 Nj
PH, LABORATORY	SU	6 6 HF	6 6 HF	7 1 HF	7 1 HF	7 4 HF	7 2 HF	7 4 HF	7 4 HF	7 8 HF	7 2 HF	7 2 HF	7.5 HF	7 0 HF	7 0 HF	7 0 HF	7.1 HF	7 4 HF
SULFATE, TOTAL	MG/L	34	34	9 9	11	9 3	62	83	80	87	10	10	10	11	11	10	9 4	9 3 Nj
TOTAL INORGANIC CARBON	MG/L	170	180	79	85	79	96	73	75	66	96	99	100	100	100	100	94	100
TOTAL ORGANIC CARBON AS NPOC	MG/L	2 0 Q	2 0 Q	1 8 QA	1 4 Q	<1 4	1 2 QA	<0 72	<1 4	<1 4	1 6 QA	1 8 Q	0 86 Q	<1 4	<1.4	<1.4	<1 4	<1 4
METALS																		
ALUMINUM, DISSOLVED	UG/L	<4 4	<4 4	<40	9 2 Qu	<6 3	<40	10 Qu	8 7 Q	5 1 QAu	<40	8 6 Q	<6 3	6 6 Q	<4 4	<4 4	<4 4	<4 4
ANTIMONY, DISSOLVED	UG/L	0.12 Q	0 15 Qu	<0 40	0 28 Q	<0 24	<0 40	0.49 Q	0 32 Q	0 16 Q	<0 40	<0 24	<0 24	<0 24	<0 10	<0 10	<0 10	<0 10
ARSENIC, DISSOLVED	UG/L	0 27 Q	0 28 QAu	<0 40	0 35 Q	0 23 Q	0 59 Q	0 53	0 39 Q	<0 093	0.45 Q	0 29 Q	0.14 Q	<0 13	<0 093	<0 093	0 21 Q	0 29 Qu
BARIUM, DISSOLVED	UG/L	82	95	10	9 5	9 1	5 6	4.1 A	3 7	3 6 A	33	30	30	31	30	30	26	27
BERYLLIUM, DISSOLVED	UG/L	<0 070	<0 070	<0 40	0 21 Q	<0 10	<0 40	0 27 Q	0 12 Q	<0.070	<0 40	<0 10	<0 10	<0 10	<0 070	<0 070	<0 070	<0 070
CADMIUM, DISSOLVED	UG/L	<0 097	<0 097	<0 40	<0.14	<0 12	<0 40	<0.14	0 13 Q	<0 097	<0 40	<0.14	<0 12	0.16 Q	<0 097	<0 097	<0 097	<0 097
CALCIUM, DISSOLVED	UG/L	150000	150000	78000	81000	74000	89000	83000	73000	72000	81000	82000	83000	83000	84000	84000	84000	78000
CHROMIUM, DISSOLVED	UG/L	14	14	0 49 Qu	2 6	1.1	6 0 u	50	22	25	1 8 u	1.8	2 1 u	1 4 u	1 6	1 8	1.5	1 8 Au
COBALT, DISSOLVED	UG/L	1 8 A	1 8 u	0 41 Q	1.1	1 3	3 3	4 6	1 6	2.9	2 7	2 0	3 9	2.9	1 7	2 9	4 4	3 5 u
COPPER, DISSOLVED	UG/L	2 6	3 2 u	4 9 Q	5 2	5 0 u	3 2 Q	1 9	1 6 Qu	1 1	2 4 Q	5 3	2.1	2.0 u	2 5 AXu	2 4 AXu	1 9	1 9 Au
IRON, DISSOLVED	UG/L	190 Au	210	150	120 A	210	190	110 A	200	110 Au	150	100 A	140	1300	290	290	110 Au	300 A
LEAD, DISSOLVED	UG/L	0 090 QAu	0 090 Qu	<0 40	0 070 Q	0 11 Qu	<0 40	0 12 Q	0 18 u	0 050 QAu	<0 40	<0 049	<0 049	<0 049 A	<0 044 A	<0 044 A	<0 044	0 070 QAu
MAGNESIUM, DISSOLVED	UG/L	70000	69000	38000	45000	37000	58000	57000	49000	53000	41000	44000	41000	38000	42000	42000	40000	40000 Nj
MANGANESE, DISSOLVED	UG/L	4 1 A	4 4 Au	1 5 Q	3 3 Au	2 7	11	10 A	3 2	4 9 A	3 5 1	1 5 Au	2 8	2 3	0 40	2 9 1	4 0 A	1 4 A1u
MANGANESE, TOTAL	UG/L	5 3	8 1	11	49	12	11	11	7.9	4 1	2 3	2 2 A	6 0	0 38 QA	2 4 A	2 2 A	4 2	0 26 Qu
MERCURY, DISSOLVED	UG/L	<0.10	<0 10	<0 072	<0 072	<0 013 A	<0 072	<0 072	<0 013 A	<0 10	<0 072	<0 072	<0 072	<0 013 A	<0 10	<0.10	<0 10	<0 10
NICKEL, DISSOLVED	UG/L	23	23	3 7 Q	5 8	3 5	110	120	73	57	2 5 Q	1 1 Q	1 2	1 0 Q	1.3	1 5	0 55 Au	1.3 u
POTASSIUM, DISSOLVED	UG/L	3400	3200	1600	1100	1200	1300	1400	1200	1100	11000	12000	7400	11000	10000	11000	6300	5200
SELENIUM, DISSOLVED	UG/L	<0.15	0 84 Au	<4 0	0 95 Q	0 84 Q	<4 0	1 2 Q	0 74 Q	0 97 Au	<4.0	0 72 Q	<0 67	<0 67	0 33 Q	<0 15	0.61 Au	1 1 Au
SILVER, DISSOLVED	UG/L	<0 11	<0 11	<0 40	0 090 QAu	<0 034 A	<0 40	0 070 QAu	<0 034 A	<0 11	<0.40	0 040 QAu	<0 034	<0 034 A	<0.11 A	<0 11 A	<0 11	<0.11
SODIUM, DISSOLVED	UG/L	10000	11000	4000	2800	2600	15000	22000	19000	20000	8700	7400	4900	8700	5900	6000	4200	3900
THALLIUM, DISSOLVED	UG/L	0 20 Au	0 24 u	<0 40	<0 053	<0 053 A	<0 40	0 090 Q	0 090 QA	<0 030	<0 40	<0 053	<0 053	<0 053	<0 030 A	<0 030 A	<0 030	<0 030
VANADIUM, DISSOLVED	UG/L	<0 41	<0 41	<1 2	0 18 Q	0.34 u	<1 2	<0 10	0 36 u	<0 41	<1 2	0.56	0 85 u	0 84 u	0 55 Q	0 57 Q	0 57 Q	0 70 Qu
ZINC, DISSOLVED	UG/L	5 7 Q	10 Au	<4 0	2 6 Q	<0 98 A	11 Q	3 6	6 8 Au	3 1 Q	<4 0	3 9	6 1 Au	4 8 Au	5.1 QAu	7 8 Au	3 9 Q	3 8 Qu

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PARAMETER	UNITS	RM-303D 10/30/07	RM-303D 1/10/08	RM-304D 7/17/06	RM-304D 9/28/06	RM-304D 4/19/07	RM-305D 7/17/06	RM-305D 9/28/06	RM-305D 4/19/07	RM-305D 10/30/07	RM-306D 7/17/06	RM-306D 9/28/06	RM-306D 12/20/06	RM-306D 4/24/07	RM-306D 8/3/07	RM-306D DUP 8/3/07	RM-306D 10/30/07	RM-306D 1/14/08
VOLATILE ORGANICS																		
1,1,1-TRICHLOROETHANE	UG/L	830	1000	4 0	6 2	4 0	4 7	2 5 Q	3 4	1 6 Q	170	220	110	250	150	160	190	150
1,1,2,2-TETRACHLOROETHANE	UG/L	<2.0	<2 0	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 50	<0 50	<0 20	<0 40
1,1,2-TRICHLOROETHANE	UG/L	<4 2	<4 2	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<1 0	<1 0	<0 42	<0 84
1,1-DICHLOROETHANE	UG/L	840	870	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	59	55	36	61	50	49	51	43
1,1-DICHLOROETHENE	UG/L	33	50	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	7 4	7 4	3 8	9.6	5 8	4 1 Q	7 7	7 6
1,2-DICHLOROETHANE	UG/L	<3 6	<3 6	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 90	<0 90	<0 36	<0.72
1,2-DICHLOROETHENE, TOTAL	UG/L	--	--	<1 4	<1 4	--	<1 4	<1 4	--	--	3 4 Q	3 0 Q	1 8 Q	--	--	--	--	--
1,2-DICHLOROPROPANE	UG/L	<4 6	<4.6	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<1 2	<1 2	<0 46	<0 92
2-BUTANONE	UG/L	<43 &	<43	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3 &	<4 3	<4 3	<4 3	<4 3	<11	<11	<4 3 &	<8 6 *
2-HEXANONE	UG/L	<11 &	<11	<1 1	<1 1	<1 1	<1 1	<1.1	<1 1	<1 1 &	<1.1	<1 1	<1 1	<1 1	<2 8	<2 8	<1 1 &	<2 2
4-METHYL-2-PENTANONE	UG/L	<12	<12	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<3 0	<3 0	<1 2	<2 4
ACETONE	UG/L	<22 &	<22	<2 3	<2 3 &*	<2 3	<2 3	<2 3 &*	<2 3	<2 2 &	<2 3	<2 3 &*	<2 3	<2 3	<5 5	<5 5	<2 2 &	<4 4 *&
BENZENE	UG/L	<4 1	<4 1	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0.41	<1 0	<1 0	<0 41	<0 82
BROMODICHLOROMETHANE	UG/L	<5 6	<5 6	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<1 4	<1 4	<0 56	<1 1
BROMOFORM	UG/L	<9 4	<9 4	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<2 3	<2.3	<0 94	<1 9
BROMOMETHANE	UG/L	<9 1	<9 1	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<2 3	<2 3	<0 91	<1 8
CARBON DISULFIDE	UG/L	<6 6	<6 6	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<1 6	<1 6	<0 66	<1 3
CARBON TETRACHLORIDE	UG/L	<4 9	<4 9	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<1 2	<1 2	<0 49	<0 98
CHLOROBENZENE	UG/L	<4 1	<4 1	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<1 0	<1 0	<0 41	<0 82
CHLORODIBROMOMETHANE	UG/L	<8 1	<8 1	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<2 0	<2 0	<0 81	<1.6
CHLOROETHANE	UG/L	<9 7	<9 7	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0.97	<0 97	<0 97	<2 4	<2 4	<0 97	<1 9
CHLOROFORM	UG/L	<3 7	<3 7	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 92	<0.92	<0 37	<0 74
CHLOROMETHANE	UG/L	<2 4	<2 4	<0 24	<0 24	<0 24	0 83 u	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 60	<0 60	<0 24	<0 48
CIS-1,2-DICHLOROETHENE	UG/L	390	420	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	3 4	3 0	1 8 Q	3 3	2 5 Q	2 2 Q	2 8	2 2 Q
CIS-1,3-DICHLOROPROPENE	UG/L	<1 9	<1 9	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 48	<0 48	<0 19	<0 38
ETHYLBENZENE	UG/L	<5 4	<5 4	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<1 4	<1 4	<0.54	<1 1
METHYLENE CHLORIDE	UG/L	<4 3	<4 3	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0.43	<0 43	<0 43	<0 43	<0 43	<1.1	<1 1	<0 43	<0 86
STYRENE	UG/L	<8 6	<8 6	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0.86	<0 86	<0 86	<0 86	<2 2	<2 2	<0 86	<1 7
TETRACHLOROETHENE	UG/L	<4 5	5 6 Q	1.8 Xu	<0 45	<0.45	0 99 QXu	<0 45	<0 45	<0 45	2 5 X	1 4 Q	0 73 Q	1 4 Q	<1 1	1 2 Q	1 0 Q	<0 90
TOLUENE	UG/L	<6 7	<6 7	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<1 7	<1 7	<0.67	<1 3
TRANS-1,2-DICHLOROETHENE	UG/L	<8 9	<8 9	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0.89	<0 89	<0 89	<2 2	<2 2	<0 89	<1 8
TRANS-1,3-DICHLOROPROPENE	UG/L	<1 9	<1 9	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 48	<0 48	<0 19	<0 38
TRICHLOROETHENE	UG/L	130	160	<0 48	<0 48	<0 48	1 9	1 0 Q	1 1 Q	0 66 Q	4 9	5 9	2 7	6 8	4 6	5 0	5 5	4 6
VINYL CHLORIDE	UG/L	<1 8	<1 8	<0 18	<0 18	<0 18	<0.18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 45	<0 45	<0.18	<0 36
XYLENE, TOTAL	UG/L	<26	<26	<2 6	<2 6	<2 6	<2 6	<2 6	<2.6	<2 6	<2 6	<2 6	<2 6	<2 6	<6 5	<6 5	<2 6	<5.2

Notes

Baseline MNA monitoring was conducted in July 2006

Laboratory and data validation qualifier key in Table B5

"--" = not analyzed

Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-307D 7/17/06	RM-307D 9/28/06	RM-307D 12/20/06	RM-307D 4/24/07	RM-307D 8/3/07	RM-307D 10/30/07	RM-307D 1/14/08	RM-308D 7/14/06	RM-308D 9/28/06	RM-308D 4/19/07	RM-308D 10/31/07
FIELD PARAMETERS												
ALKALINITY, FIELD	MG/L	430	319	2074	2400	304	254	296	387	384	3055	282
CARBON DIOXIDE, FIELD	MG/L	216	1416	170	122	82	154	142	140	1718	168	180
CONDUCTANCE, SPECIFIC	UMHOS/CM	880	851	860	795	846	887	929	725	815	708	734
DISSOLVED OXYGEN, FIELD	MG/L	7 63	9.23	11 54	8 54	6 89	7 08	8 60	5 81	6 00	6 34	6 75
EH, FIELD	MV	263	357	335	326	298	323	353	291	333	358	353
FERROUS IRON, FIELD	MG/L	<0 2	0	0	0	0	0	0	<0.2	0	0	0
PH, FIELD	SU	6 86	7 26	7 71	7 56	7 62	7 41	7 52	6 94	6.95	7 53	7 16
TEMPERATURE	DEG C	11 3	9 5	8 1	9 7	11 4	11	7 5	11 2	10 5	9 8	9 7
TURBIDITY, FIELD	NTU	12	152	10	187	39	14	6	123	7	62	4
INDICATOR PARAMETERS												
ALKALINITY AS CACO3, TOTAL	MG/L	420 N	390	440	390	400	410	420	380	400	400 N	400
CHLORIDE, TOTAL	MG/L	6 4 A	6.1 AN	4 8	6 0	6	7 6	5 6 u	5 6 A	4 2 A	4 2	4 4
ETHANE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
ETHENE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
METHANE	UG/L	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
NITROGEN, NITRATE, TOTAL	MG/L	5 2	4 4	2 8	4 1	4 4	3 8	2 9	1 2	1 6	2 3	2 0
NITROGEN, NITRITE, TOTAL	MG/L	<0 040	<0 040	<0 040 Hhj	<0 036	<0 036	<0 036	<0 036	<0 040	<0 040	<0 036	<0 036
PH, LABORATORY	SU	7 0 HF	7.3 HF	7 4 HF	7 4 HF	7 4 HF	7 3 HF	7 8 HF	7 2 HF	7 0 HF	7 4 HF	7 2 HF
SULFATE, TOTAL	MG/L	53	60	52	57	66	83	86	21	48	18	22
TOTAL INORGANIC CARBON	MG/L	110	100	100	85	93	97	110	98	120	91	94
TOTAL ORGANIC CARBON AS NPOC	MG/L	1 2 QA	1 7 Q	2 3 Q	2 9 Q	1 7 Q	<1 4	3 0 Q	<0 72 A	<0 72	<1 4	<1.4
METALS												
ALUMINUM, DISSOLVED	UG/L	<40	<6 3	<6 3	<6 3	<4.4	<4 4	<4 4	<40	<6 3	7 5 Q	<4 4
ANTIMONY, DISSOLVED	UG/L	<0 40	<0.24	<0 24	<0 24	<0 10	0 13 Q	0 11 Qu	<0.40	<0 24	<0 24	<0 10
ARSENIC, DISSOLVED	UG/L	<0 40	0 31 Q	0 25 Q	<0 13	0 21 Q	0 19 Q	0 30 Qu	<0 40	0 19 Q	<0 13	0 20 Q
BARIUM, DISSOLVED	UG/L	23	23	25	25	20	21	27	11	11	9 6	8 9
BERYLLIUM, DISSOLVED	UG/L	<0 40	0.12 Q	<0 10	<0 10	<0 070	<0 070	<0 070	<0 40	<0 10	<0 10	<0 070
CADMIUM, DISSOLVED	UG/L	<0 40	<0 14	<0 12	<0 12	<0 097	<0 097	<0 097	<0 40	<0 14	<0 12	<0.097
CALCIUM, DISSOLVED	UG/L	120000	100000	100000	99000	100000	110000	120000	96000	110000	86000	86000
CHROMIUM, DISSOLVED	UG/L	1 3 Qu	2 3	0 85 Qu	1 0 Qu	1 7	1 6	0 70 QAu	0 87 Qu	0 58 Q	0.55 Q	0 71 Q
COBALT, DISSOLVED	UG/L	1 6	0 88	1 3 u	1 5	2 0	3 6	1.1 u	0 87 Q	0 49	0 77 u	2 9
COPPER, DISSOLVED	UG/L	2 8 Q	7 2	2 1 u	2.7 u	2 5 AXu	1.7	2 3 Au	<2 0	1 3	1 4 Qu	1.1
IRON, DISSOLVED	UG/L	260	140 A	210	1600	340	160 Au	400 EAj	210	130 A	250	110 Au
LEAD, DISSOLVED	UG/L	<0 40	<0 049	<0 049	<0 049 A	<0.044 A	<0 044	0 060 QAu	<0 40	0 12 Q	<0 049	<0 044
MAGNESIUM, DISSOLVED	UG/L	49000	50000	44000	41000	47000	42000	59000 Ej	40000	52000	36000	42000
MANGANESE, DISSOLVED	UG/L	10 2	1 8 Au	2 8	2 7	4 2	6 8 A	1 8 A1u	1 9 Q	1 1 Au	1 6	5 2 A
MANGANESE, TOTAL	UG/L	1 7 Q	13	4 0	14 A	9 1	6 0	1 0 u	2 8	0 82 A	13	0 75 Au
MERCURY, DISSOLVED	UG/L	<0 072	<0 072	<0 072	<0 013 A	<0 10	<0 10	<0 10	<0 072	<0 072	<0 013 A	<0.10
NICKEL, DISSOLVED	UG/L	3 0 Q	1.2	1 2	1 8 u	1 5	0 57 Au	1 2 u	2 4 Q	0 95 Q	1 4	0 21 QAu
POTASSIUM, DISSOLVED	UG/L	2300	2600	2700	3100	2500	2100	2600 Ej	540	550	530	530 A
SELENIUM, DISSOLVED	UG/L	<4 0	0 68 Q	<0 67	<0 67	0 22 Q	<0 15	0 40 QAu	<4 0	<0 67	<0 67	<0 15
SILVER, DISSOLVED	UG/L	<0 40	<0.034	<0 034	<0 034 A	<0 11 A	<0 11	<0 11	<0 40	<0 034	<0 034 A	<0 11
SODIUM, DISSOLVED	UG/L	4000	7900	2600	2400	6700	5800	2800 Ej	2700	2400	2800	2700
THALLIUM, DISSOLVED	UG/L	<0 40	<0 053	<0 053	<0 053	<0 030 A	<0 030	<0 030	<0 40	<0 053	<0 053 A	<0 030
VANADIUM, DISSOLVED	UG/L	<1 2	0.97	1 2 u	1 0 u	0 86 Q	0 90 Q	1 0 Qu	<1.2	0 52	0 61 u	0 53 Q
ZINC, DISSOLVED	UG/L	<4 0	3 9	6 8 Au	3 9 Au	4 8 QAu	6 4 Q	5 0 Qu	<4 0	2 0 Q	<0 98 A	<2 1

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Table B1
Plume Monitoring Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-307D 7/17/06	RM-307D 9/28/06	RM-307D 12/20/06	RM-307D 4/24/07	RM-307D 8/3/07	RM-307D 10/30/07	RM-307D 1/14/08	RM-308D 7/14/06	RM-308D 9/28/06	RM-308D 4/19/07	RM-308D 10/31/07
VOLATILE ORGANICS												
1,1,1-TRICHLOROETHANE	UG/L	280	130	66	72	72	120	98	1 1 Q	1 2 Q	1 1 Q	0 98 Q
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42
1,1-DICHLOROETHANE	UG/L	97	48	40	26	37	61	59	<0 75	<0 75	<0 75	<0 75
1,1-DICHLOROETHENE	UG/L	13	4 4	1 6 Q	2 6	2 5	4.2	3 4	<0 57	<0 57	<0 57	<0 57
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36	<0.36	<0 36	<0 36	<0.36	<0 36	<0 36	<0.36
1,2-DICHLOROETHENE, TOTAL	UG/L	11	6 0	6 3	--	--	--	--	<1 4	<1 4	--	--
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3 &	<4 3 *	<4 3	<4 3	<4 3	<4 3 &
2-HEXANONE	UG/L	<1 1	<1 1	<1 1	<1 1	<1 1	<1.1 &	<1 1	<1 1	<1 1	<1.1	<1 1 &
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2
ACETONE	UG/L	<2 3	<2 3 &*	<2 3	<2 3	<2 2	<2 2 &	<2 2 *&	<2 3	<2 3 &*	<2 3	<2 2 &
BENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0.56	<0 56	<0 56	<0 56	<0 56	<0 56	<0.56	<0 56	<0 56
BROMOFORM	UG/L	<0 94	<0 94	<0.94	<0 94	<0 94	<0 94	<0 94	<0 94	<0.94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81	<0 81	<0.81	<0 81	<0 81	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37
CHLOROMETHANE	UG/L	0 27 Qu	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	11	6 0	6 3	3 4	4 6	6 6	9 6	<0 83	<0 83	<0.83	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0.54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43
STYRENE	UG/L	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	2 8 X	0 86 Q	<0.45	0 51 Q	0 48 Q	0 60 Q	0 70 Q	1 5 QXu	<0 45	<0 45	<0 45
TOLUENE	UG/L	<0 67	<0 67	<0 67	<0 67	0 75 Q	<0 67	<0 67	<0 67	<0 67	<0.67	<0.67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89	<0 89	<0.89	<0 89	<0 89	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19
TRICHLOROETHENE	UG/L	9 6	5 1	3 6	2 7	3 2	5 4	6 2	<0 48	<0 48	<0 48	<0 48
VINYL CHLORIDE	UG/L	<0 18	<0 18	<0 18	<0.18	<0 18	<0 18	<0.18	<0 18	<0 18	<0 18	<0 18
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6

Notes:

Baseline MNA monitoring was conducted in July 2006.

Laboratory and data validation qualifier key in Table B5.

"--" = not analyzed

Table B2
Sentinel Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-002D 7/12/06	RM-002D 9/26/06	RM-002D DUP 9/26/06	RM-002D 12/19/06	RM-002D 4/16/07	RM-002D 7/30/07	RM-002D 10/24/07	RM-002D 1/9/08	RM-203D 7/11/06	RM-203D 9/26/06	RM-203D 12/19/06	RM-203D 4/10/07	RM-203D 7/30/07	RM-203D 10/24/07	RM-203D 12/27/07	RM-203I 7/11/06	RM-203I 9/26/06
FIELD PARAMETERS																		
ALKALINITY, FIELD	MG/L	350	233	--	--	--	242	226	176	NR	277	1827	1482	270	196	230	400	329
CARBON DIOXIDE, FIELD	MG/L	92	176	--	--	--	110	76	84	NR	182	142	124	108	116	162	190	188
CONDUCTANCE, SPECIFIC	UMHOS/CM	567	578	--	572	--	568	554	574	NR	704	708	706	700	705	679	777	799
DISSOLVED OXYGEN, FIELD	MG/L	--	0 72	--	0 76	--	0 57	1 49	0 60	NR	5 34	5.73	3 39	4 09	4 6	4 99	5 64	5 13
EH, FIELD	MV	149	169	--	254	--	237	252	250	NR	282	341	332	326	294	310	178	236
FERROUS IRON, FIELD	MG/L	<0 2	0	--	--	--	0	0	0	NR	0	0	0	0	0	0	0 6	0
PH, FIELD	SU	7 41	7 39	--	7 47	--	7.57	7 64	7 44	NR	7 19	7 22	7 30	7 27	7 3	7 64	7 38	7 39
TEMPERATURE	DEG C	11.7	10 0	--	9 1	--	11 2	9 2	7 1	NR	10	8 2	8 7	11 6	9 3	7 7	9 4	9 7
TURBIDITY, FIELD	NTU	8	3	--	3	--	0	2	0	NR	10	7	0	11	4	0	17	23
INDICATOR PARAMETERS																		
ALKALINITY AS CACO3, TOTAL	MG/L	280	280	280	--	270 N	--	290	--	350 N	320	330	340	320	350	330 Nj	380	370 N
CHLORIDE, TOTAL	MG/L	8 6 A	8 7 AN	8 2 A	--	8 7	--	8 7 u	--	17	16 A	16	16	17	16	16	12	11 A
ETHANE	UG/L	<10	<10	<10	--	<10	--	<10	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
ETHENE	UG/L	<10	<10	<10	--	<10	--	<10	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
METHANE	UG/L	<10	<10	<10	--	<10	--	<10	--	<10	<10	<10	<10	<10	<10	<10	<10	<10
NITROGEN, NITRATE, TOTAL	MG/L	<0 088	<0 088 N	<0 088	--	0 15 Q	--	0 22 Q	--	3 6 N	3 3	3 6	3 6	4.0	3.7	3 5	1 9	1 3
NITROGEN, NITRITE, TOTAL	MG/L	<0 040	<0 040	<0 040	--	<0 036	--	<0 036	--	<0 040 N	<0 040	<0 040	<0 036	<0 036	<0 036	<0 036	<0 040	<0 040
PH, LABORATORY	SU	7 8 HF	7 7 HF	7 7 HF	--	7 5 HF	--	7 5 HF	--	7 3 HF	7 6 HF	7 1 HF	7 0 HF	7 2 HF	7 2 HF	7 3 HF	7 5 HF	7 7 HF
SULFATE, TOTAL	MG/L	34	32	28	--	29	--	26	--	31	27	29	28	29	27	27	66	58
TOTAL INORGANIC CARBON	MG/L	67	70	76	--	65	--	61	--	77	82	83	85	76	77	82	87	92
TOTAL ORGANIC CARBON AS NPOC	MG/L	0 91 QA	2.8	2 1 Q	--	1 5 Q	--	2 0 Q	--	<0 72 A	<0 72	<0 72	<1 4	<1 4	<1 4	<1 4	<0 72 A	1 8 Q
METALS																		
ALUMINUM, DISSOLVED	UG/L	<40	11 Qu	<6 3	--	<6 3	--	<4 4	--	<40	11 Qu	<6 3	9 7 Q	5 6 Qu	<4 4	<4 4	<40	6 3 Qu
ANTIMONY, DISSOLVED	UG/L	<0 40	<0 24	<0 24	--	<0 24	--	<0 10	--	0 43 Q	<0 24	<0 24	<0 24	0 11 Qu	0 11 Q	<0 10	<0 40	<0 24
ARSENIC, DISSOLVED	UG/L	0 99 Q	0 85	0 80	--	0 75	--	0.63 A	--	0 41 Q	0 26 Q	0 27 Q	0 42	0 28 QAu	<0 093 A	0 45 u	0 49 Q	0 13 Qu
BARIUM, DISSOLVED	UG/L	64	59	59	--	68	--	61	--	97	95	96	92	90	92	86	46	46
BERYLLIUM, DISSOLVED	UG/L	<0 40	<0 10	<0 10	--	<0 10	--	<0 070	--	<0 40	<0 10	<0 10	0 13 Q	<0.070	<0 070	<0 070	<0 40	<0 10
CADMIUM, DISSOLVED	UG/L	<0 40	<0 14	<0 14	--	<0 12	--	<0 097	--	<0 40	<0 14	<0 12	<0 12	<0 097	<0 097	<0 097	<0 40	<0 14
CALCIUM, DISSOLVED	UG/L	55000	59000	57000	--	58000	--	59000	--	74000	87000	75000	78000	79000	75000	76000	59000	63000
CHROMIUM, DISSOLVED	UG/L	0 64 QAu	0 63 Qu	0 64 Qu	--	4 3	--	6 7	--	1.6 Au	1 4	1 4 u	1 1	1.1 Qu	1.5	0 84 Qu	1 1 QAu	0 32 Qu
COBALT, DISSOLVED	UG/L	1 8	1.4	0 79	--	1.8	--	1 9 u	--	<0 40	1 4	2 4 u	0 74	2 3 Eu	2 3 u	2 4 u	0 43 Q	1 2
COPPER, DISSOLVED	UG/L	<2.0	1 6	1 8	--	1.9 Q	--	1 7 A	--	<2 0	1 2	1 0 u	0 99 Q	2 0 AXu	3 4 A	0.94 u	2 2 Q	2 4
IRON, DISSOLVED	UG/L	160	110	100	--	240	--	83 A	--	170	130	150	210	230	160	990	170	120
LEAD, DISSOLVED	UG/L	<0 40	<0 049	<0 049	--	<0 049	--	<0 044	--	<0 40	<0 049	0 070 Q	0 16 QA	<0 044	0 16 u	<0 044	<0 40	<0 049
MAGNESIUM, DISSOLVED	UG/L	37000	34000	34000	--	36000	--	33000	--	44000	40000	39000	42000	43000	36000	37000	58000	56000
MANGANESE, DISSOLVED	UG/L	140	140	110	--	110	--	94 1	--	0 98 Q	2 6 Au	3 9	1.4 A	4 6 1	6 3 2u	4 8 2u	1 4 Q	0 12 Au
MANGANESE, TOTAL	UG/L	140	120	110	--	520	--	89	--	1 0 QA	2 2 Au	2 6	1 3	4 2 A	1 9 Au	1 2 u	2 0 A	9 6
MERCURY, DISSOLVED	UG/L	<0 072	<0 072	<0 072	--	<0 072	--	<0 10	--	<0 072	<0 072	<0 072	<0 072	<0 10 A	<0 10	<0 10	<0 072	<0 072
NICKEL, DISSOLVED	UG/L	3 5 Q	2 2	2 2	--	3 3	--	1 9 u	--	2 0 Q	1 5	1 3	1 4	1 6 u	18	1.9 u	2 3 Q	1 7
POTASSIUM, DISSOLVED	UG/L	1400	1200	1200	--	1500	--	1300	--	1600	1400	1500	1400	1400 E	1900	1400	2200	2000
SELENIUM, DISSOLVED	UG/L	<4.0	0 96 Q	0 75 Q	--	<0 67	--	0 79 A	--	<4 0	<0 67	<0 67	<0 67	0 64 Au	0 57 A	0.82 Au	<4 0	0 90 Q
SILVER, DISSOLVED	UG/L	<0.40	<0 034	<0 034	--	<0 034 A	--	<0.11	--	0 70 Q	<0 034	<0 034	<0 034	<0 11	<0 11	<0 11	<0 40	<0 034
SODIUM, DISSOLVED	UG/L	5100	4700	4700	--	5900	--	5100	--	5600	5100	5400	4900	5000 E	4600	5500	19000	17000
THALLIUM, DISSOLVED	UG/L	<0 40	<0 053	<0 053	--	<0 053	--	<0 030	--	<0 40	<0 053	<0 053	0 13 Q	<0 030	<0 030	<0 030	<0 40	<0 053
VANADIUM, DISSOLVED	UG/L	2 1 Q	2 4	2 0	--	2 9	--	2 3	--	<1 2	1 1	0 93	1 0	0 78 Q	0 83 Q	0 65 Qu	<1 2	0 56
ZINC, DISSOLVED	UG/L	<4 0	7 1 Au	4 8 Au	--	4 6 A	--	15 Au	--	5 4 QA	6 9 Au	6.1 Au	5 9 A	4 1 QAu	8 5 Au	6 3 QAu	5 2 QA	0 98 Au

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Table B2
Sentinel Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-002D 7/12/06	RM-002D 9/26/06	RM-002D DUP 9/26/06	RM-002D 12/19/06	RM-002D 4/16/07	RM-002D 7/30/07	RM-002D 10/24/07	RM-002D 1/9/08	RM-203D 7/11/06	RM-203D 9/26/06	RM-203D 12/19/06	RM-203D 4/10/07	RM-203D 7/30/07	RM-203D 10/24/07	RM-203D 12/27/07	RM-203I 7/11/06	RM-203I 9/26/06
VOLATILE ORGANICS																		
1,1,1-TRICHLOROETHANE	UG/L	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	5 6	5 3	6 2	5 8	6 1	5 8	5.7	2 4 Q	2 1 Q
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0.20	<0 20	<0.20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42
1,1-DICHLOROETHANE	UG/L	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	1 0 Q	0 79 Q	2 0 Q	1 9 Q	2 5 Q	1 8 Q	2 0 Q	2.1 Q	2 0 Q	0 82 Q	<0 75
1,1-DICHLOROETHENE	UG/L	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0.57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	<1 4	<1 4	<1 4	<1 4	--	--	--	--	<1.4	<1 4	<1 4	--	--	--	--	<1 4	<1 4
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3 *&	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3 *&	<4 3	<4 3	<4 3
2-HEXANONE	UG/L	<1.1	<1 1	<1 1	<1 1	<1 1	<1.1	<1.1 *&	<1 1	<1 1	<1.1	<1 1	<1 1	<1 1	<1 1 *&	<1 1	<1 1	<1 1
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1.2	<1 2	<1 2	<1 2	<1.2	<1 2
ACETONE	UG/L	3 2 Qu	<2 3	<2 3	<2 3	<2 3	<2 2	<2 2 *&	<2 2 *	<2 3	<2 3	<2 3	<2 3	<2 2	<2 2 *&	<2 2	<2.3	<2 3
BENZENE	UG/L	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94	<0.94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0.94	<0 94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91	<0 91	<0 91 &	<0 91	<0 91	<0 91	<0 91	<0.91	<0 91	<0 91 &	<0 91	<0 91	<0.91	<0 91	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0.49	<0 49	<0 49	<0 49
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<0 97	<0.97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37
CHLOROMETHANE	UG/L	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	0.45 Qu	<0 24	<0.24	<0 24	<0 24	<0 24	<0 24	0 26 Qu	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	0 98 Q	0 98 Q	1 2 Q	0 97 Q	1 2 Q	1 0 Q	0 98 Q	<0 83	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0.43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0.43	<0 43	<0.43	<0 43	<0 43
STYRENE	UG/L	<0 86	<0 86	<0.86	<0 86	<0 86	<0 86	<0 86	<0 86	<0.86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	4 0 Xu	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45	2 5 Xu	<0.45	<0 45	<0 45	<0 45	<0 45	<0 45	2 1 Xu	<0.45
TOLUENE	UG/L	<0 67	<0.67	<0 67	<0 67	<0 67	<0 67	<0 67	<0.67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0.67	<0.67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19
TRICHLOROETHENE	UG/L	<0 48	<0 48	<0 48	<0 48	<0 48	<0 48	<0.48	<0 48	0 74 Q	0 63 Q	0 61 Q	0 70 Q	0 68 Q	0 71 Q	0.69 Q	<0 48	<0 48
VINYL CHLORIDE	UG/L	<0 18	<0 18	<0.18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0.18	<0.18	<0 18	<0 18	<0.18	<0 18
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2.6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6
SEMIVOLATILE ORGANICS																		
1,2,4-TRICHLOROBENZENE	UG/L	<2.1	--	--	--	--	<2 1	--	--	<1 9	--	--	--	<1 9	--	--	<1 9	--
1,2-DICHLOROBENZENE	UG/L	<2 0	--	--	--	--	<2 1	--	--	<1 8	--	--	--	<1 8	--	--	<1 8	--
1,3-DICHLOROBENZENE	UG/L	<2 1	--	--	--	--	<2 1	--	--	<1 9	--	--	--	<1 9	--	--	<1 9	--
1,4-DICHLOROBENZENE	UG/L	<2 1	--	--	--	--	<2 1	--	--	<1.9	--	--	--	<1 9	--	--	<1 9	--
2,2'-OXYBIS(1-CHLOROPROPANE)	UG/L	<0 68	--	--	--	--	<0 69	--	--	<0 61	--	--	--	<0 61	--	--	<0 61	--
2,4,5-TRICHLOROPHENOL	UG/L	<1 3	--	--	--	--	<1 3	--	--	<1 2	--	--	--	<1 2	--	--	<1 2	--
2,4,6-TRICHLOROPHENOL	UG/L	<0 96	--	--	--	--	<0 98	--	--	<0 87	--	--	--	<0 87	--	--	<0 87	--
2,4-DICHLOROPHENOL	UG/L	<0.96	--	--	--	--	<0 98	--	--	<0 87	--	--	--	<0 87	--	--	<0 87	--
2,4-DIMETHYLPHENOL	UG/L	<0 80	--	--	--	--	<0 82	--	--	<0 72	--	--	--	<0 72	--	--	<0.72	--
2,4-DINITROPHENOL	UG/L	<2 5	--	--	--	--	<2 6	--	--	<2 3	--	--	--	<2 3	--	--	<2 3	--

Table B2
Sentinel Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-002D 7/12/06	RM-002D 9/26/06	RM-002D DUP 9/26/06	RM-002D 12/19/06	RM-002D 4/16/07	RM-002D 7/30/07	RM-002D 10/24/07	RM-002D 1/9/08	RM-203D 7/11/06	RM-203D 9/26/06	RM-203D 12/19/06	RM-203D 4/10/07	RM-203D 7/30/07	RM-203D 10/24/07	RM-203D 12/27/07	RM-203I 7/11/06	RM-203I 9/26/06
SEMIVOLATILE ORGANICS (cont'd)																		
2,4-DINITROTOLUENE	UG/L	<1 0	--	--	--	--	<1 0	--	--	<0 93	--	--	--	<0 93	--	--	<0 93	--
2,6-DINITROTOLUENE	UG/L	<0 74	--	--	--	--	<0 75	--	--	<0 67	--	--	--	<0 67	--	--	<0 67	--
2-CHLORONAPHTHALENE	UG/L	<1 4	--	--	--	--	<1 4	--	--	<1 2	--	--	--	<1 2	--	--	<1 2	--
2-CHLOROPHENOL	UG/L	<0 94	--	--	--	--	<0 95	--	--	<0 85	--	--	--	<0 85	--	--	<0 85	--
2-METHYLNAPHTHALENE	UG/L	<1 7	--	--	--	--	<1 7	--	--	<1 5	--	--	--	<1.5	--	--	<1 5	--
2-METHYLPHENOL	UG/L	<0 81	--	--	--	--	<0 82	--	--	<0 73 *	--	--	--	<0 73	--	--	<0 73	--
2-NITROANILINE	UG/L	<0 72	--	--	--	--	<0 73	--	--	<0 65	--	--	--	<0 65	--	--	<0 65	--
2-NITROPHENOL	UG/L	<1 1	--	--	--	--	<1 1	--	--	<0 98	--	--	--	<0 98	--	--	<0 98	--
3,3'-DICHLOROBENZIDINE	UG/L	<1 5	--	--	--	--	<1 5	--	--	<1 4	--	--	--	<1 4	--	--	<1 4	--
3-NITROANILINE	UG/L	<0 91	--	--	--	--	<0 93	--	--	<0 82	--	--	--	<0 82	--	--	<0 82	--
4,6-DINITRO-2-METHYLPHENOL	UG/L	<1 1	--	--	--	--	<1 1	--	--	<0 97	--	--	--	<0 97	--	--	<0 97	--
4-BROMOPHENYL-PHENYLETHER	UG/L	<0 88	--	--	--	--	<0 90	--	--	<0 80	--	--	--	<0 80	--	--	<0 80	--
4-CHLORO-3-METHYLPHENOL	UG/L	<1 0	--	--	--	--	<1 0	--	--	<0 90	--	--	--	<0 90	--	--	<0 90	--
4-CHLOROANILINE	UG/L	<1 1	--	--	--	--	<1 1	--	--	<0 98	--	--	--	<0 98	--	--	<0 98	--
4-CHLOROPHENYL-PHENYLETHER	UG/L	<1.0 &	--	--	--	--	<1 0	--	--	<0 93 &	--	--	--	<0 93	--	--	<0 93 &	--
4-METHYLPHENOL	UG/L	<0 78	--	--	--	--	<0 80	--	--	<0 71	--	--	--	<0 71	--	--	<0 71	--
4-NITROANILINE	UG/L	<0 76	--	--	--	--	<0 77	--	--	<0 68	--	--	--	<0 68	--	--	<0 68	--
4-NITROPHENOL	UG/L	<1 0	--	--	--	--	<1 0	--	--	<0 92	--	--	--	<0 92	--	--	<0 92	--
ACENAPHTHENE	UG/L	<1 1 &	--	--	--	--	<1 2	--	--	<1.0 &	--	--	--	<1 0	--	--	<1 0 &	--
ACENAPHTHYLENE	UG/L	<1 1	--	--	--	--	<1 1	--	--	<1.0	--	--	--	<1 0	--	--	<1 0	--
ANTHRACENE	UG/L	<0 86 &	--	--	--	--	<0 87	--	--	<0 77 &	--	--	--	<0 77	--	--	<0 77 &	--
BENZO(A)ANTHRACENE	UG/L	<1.3	--	--	--	--	<1.3	--	--	<1 2	--	--	--	<1 2	--	--	<1 2	--
BENZO(A)PYRENE	UG/L	<1.1	--	--	--	--	<1 1	--	--	<0 97	--	--	--	<0 97	--	--	<0 97	--
BENZO(B)FLUORANTHENE	UG/L	<1 0 &	--	--	--	--	<1 0	--	--	<0 92 &	--	--	--	<0 92	--	--	<0 92 &	--
BENZO(G,H,I)PERYLENE	UG/L	<2 1	--	--	--	--	<2 1	--	--	<1 9	--	--	--	<1 9	--	--	<1 9	--
BENZO(K)FLUORANTHENE	UG/L	<1 2	--	--	--	--	<1 2	--	--	<1 1	--	--	--	<1 1	--	--	<1 1	--
BIS(2-CHLOROETHOXY)METHANE	UG/L	<0 85	--	--	--	--	<0 86	--	--	<0 76	--	--	--	<0 76	--	--	<0 76	--
BIS(2-CHLOROETHYL)ETHER	UG/L	<0 81	--	--	--	--	<0 82	--	--	<0 73 *	--	--	--	<0.73	--	--	<0 73	--
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	<1 1 &	--	--	--	--	90	--	--	<1 0 &	--	--	--	78	--	--	<1.0 &	--
BUTYLBENZYLPHTHALATE	UG/L	<1 3 &	--	--	--	--	<1 3	--	--	<1 2 &	--	--	--	<1 2	--	--	<1 2 &	--
CARBAZOLE	UG/L	<1 1	--	--	--	--	<1 1	--	--	<0 96	--	--	--	<0 96	--	--	<0 96	--
CHRYSENE	UG/L	<1 7	--	--	--	--	<1 8	--	--	<1 6	--	--	--	<1 6	--	--	<1 6	--
DIBENZ(A,H)ANTHRACENE	UG/L	<2 0 &	--	--	--	--	<2 0	--	--	<1 8 &N	--	--	--	<1 8	--	--	<1 8 &	--
DIBENZOFURAN	UG/L	<0 88	--	--	--	--	<0 89	--	--	<0 79	--	--	--	<0 79	--	--	<0 79	--
DIETHYLPHTHALATE	UG/L	<1 1	--	--	--	--	<1 1	--	--	<0 96	--	--	--	<0 96	--	--	<0 96	--
DIMETHYLPHTHALATE	UG/L	<0 89	--	--	--	--	<0 90	--	--	<0 80	--	--	--	<0 80	--	--	<0 80	--
DI-N-BUTYLPHTHALATE	UG/L	<1 0	--	--	--	--	<1 0	--	--	<0 92	--	--	--	<0 92	--	--	<0 92	--
DI-N-OCTYLPHTHALATE	UG/L	<1 5	--	--	--	--	<1 5	--	--	<1 4	--	--	--	<1 4	--	--	<1 4	--
FLUORANTHENE	UG/L	<1 4	--	--	--	--	<1 4	--	--	<1.3	--	--	--	<1 3	--	--	<1 3	--
FLUORENE	UG/L	<0 92	--	--	--	--	<0 94	--	--	<0 83	--	--	--	<0 83	--	--	<0 83	--
HEXACHLOROBENZENE	UG/L	<0.91	--	--	--	--	<0 93	--	--	<0 82	--	--	--	<0 82	--	--	<0 82	--
HEXACHLOROBUTADIENE	UG/L	<2.9	--	--	--	--	<3 0	--	--	<2 6	--	--	--	<2 6	--	--	<2 6	--
HEXACHLOROCYCLOPENTADIENE	UG/L	<1 2	--	--	--	--	<1 2	--	--	<1.1	--	--	--	<1.1	--	--	<1 1	--
HEXACHLOROETHANE	UG/L	<2 3	--	--	--	--	<2 4	--	--	<2.1	--	--	--	<2.1	--	--	<2 1	--
INDENO(1,2,3-CD)PYRENE	UG/L	<0 68	--	--	--	--	<0 69	--	--	<0 62	--	--	--	<0 62	--	--	<0 62	--
ISOPHORONE	UG/L	<0 69	--	--	--	--	<0 70	--	--	<0 62	--	--	--	<0 62	--	--	<0 62	--

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Table B2
Sentinel Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-002D 7/12/06	RM-002D 9/26/06	RM-002D DUP 9/26/06	RM-002D 12/19/06	RM-002D 4/16/07	RM-002D 7/30/07	RM-002D 10/24/07	RM-002D 1/9/08	RM-203D 7/11/06	RM-203D 9/26/06	RM-203D 12/19/06	RM-203D 4/10/07	RM-203D 7/30/07	RM-203D 10/24/07	RM-203D 12/27/07	RM-203I 7/11/06	RM-203I 9/26/06
SEMIVOLATILE ORGANICS (cont'd)																		
NAPHTHALENE	UG/L	<1.5	--	--	--	--	<1 5	--	--	<1 3	--	--	--	<1 3	--	--	<1 3	--
NITROBENZENE	UG/L	<0 86	--	--	--	--	<0 87	--	--	<0 77	--	--	--	<0 77	--	--	<0 77	--
N-NITROSODI-N-PROPYLAMINE	UG/L	<0 67	--	--	--	--	<0 68	--	--	<0 60	--	--	--	<0 60	--	--	<0 60	--
N-NITROSODIPHENYLAMINE	UG/L	<4 7	--	--	--	--	<4 8	--	--	<4 2 *	--	--	--	<4 2	--	--	<4 2	--
PENTACHLOROPHENOL	UG/L	<1 1	--	--	--	--	<1 1	--	--	<0.97	--	--	--	<0 97	--	--	<0 97	--
PHENANTHRENE	UG/L	<0 76 &	--	--	--	--	<0 77	--	--	<0 68 &	--	--	--	<0 68	--	--	<0 68 &	--
PHENOL	UG/L	<0 62	--	--	--	--	<0 63	--	--	<0 56	--	--	--	<0 56	--	--	<0 56	--
PYRENE	UG/L	<1 0	--	--	--	--	<1 0	--	--	<0.90	--	--	--	<0 90	--	--	<0 90	--
PESTICIDES AND PCBs																		
4,4'-DDD	UG/L	<0.014	--	--	--	--	<0 027	--	--	<0 014	--	--	--	<0 021	--	--	<0 015	--
4,4'-DDE	UG/L	<0 012	--	--	--	--	<0 027	--	--	<0 013	--	--	--	<0 022	--	--	<0 013	--
4,4'-DDT	UG/L	<0.014	--	--	--	--	<0 031	--	--	<0 014	--	--	--	<0 025	--	--	<0.015	--
ALDRIN	UG/L	<0.0072	--	--	--	--	<0 014	--	--	<0.0075	--	--	--	<0 011	--	--	<0 0079	--
ALPHA-BHC	UG/L	<0 0052	--	--	--	--	<0 0072	--	--	<0.0054	--	--	--	<0 0058	--	--	<0 0057	--
ALPHA-CHLORDANE	UG/L	<0 0062	--	--	--	--	<0 012	--	--	<0 0064	--	--	--	<0 0097	--	--	<0 0068	--
AROCLOR-1016	UG/L	<0 26	--	--	--	--	<0 28	--	--	<0.27	--	--	--	<0 23	--	--	<0 29	--
AROCLOR-1221	UG/L	<0 26	--	--	--	--	<0 28	--	--	<0.27	--	--	--	<0 23	--	--	<0 29	--
AROCLOR-1232	UG/L	<0 26	--	--	--	--	<0 28	--	--	<0 27	--	--	--	<0 23	--	--	<0 29	--
AROCLOR-1242	UG/L	<0 26	--	--	--	--	<0 28	--	--	<0 27	--	--	--	<0 23	--	--	<0.29	--
AROCLOR-1248	UG/L	<0 26	--	--	--	--	<0 28	--	--	<0 27	--	--	--	<0 23	--	--	<0 29	--
AROCLOR-1254	UG/L	<0 26	--	--	--	--	<0 28	--	--	<0 27	--	--	--	<0 23	--	--	<0 29	--
AROCLOR-1260	UG/L	<0 26	--	--	--	--	<0 28	--	--	<0 27	--	--	--	<0.23	--	--	<0 29	--
BETA-BHC	UG/L	<0 0055	--	--	--	--	<0 015	--	--	<0 0057	--	--	--	<0 012	--	--	<0 0060	--
DELTA-BHC	UG/L	<0 0057	--	--	--	--	<0 011	--	--	<0 0059	--	--	--	<0 0088	--	--	<0 0062	--
DIELDRIN	UG/L	<0 013	--	--	--	--	<0 021	--	--	<0 013	--	--	--	<0 017	--	--	<0 014	--
ENDOSULFAN I	UG/L	<0 0057	--	--	--	--	<0 013	--	--	<0 0059	--	--	--	<0 010	--	--	<0 0062	--
ENDOSULFAN II	UG/L	<0 0095	--	--	--	--	<0 027	--	--	<0 0099	--	--	--	<0 022	--	--	<0 010	--
ENDOSULFAN SULFATE	UG/L	<0 013	--	--	--	--	<0 019	--	--	<0.013	--	--	--	<0 016	--	--	<0 014	--
ENDRIN	UG/L	<0 0091	--	--	--	--	<0 028	--	--	<0 0095	--	--	--	<0 023	--	--	<0 010	--
ENDRIN ALDEHYDE	UG/L	<0 011	--	--	--	--	<0 022	--	--	<0 011	--	--	--	<0 018	--	--	<0 012	--
ENDRIN KETONE	UG/L	<0 0096	--	--	--	--	<0 019	--	--	<0 010	--	--	--	<0 015	--	--	<0.011	--
GAMMA-BHC (LINDANE)	UG/L	<0 0056	--	--	--	--	<0 0095	--	--	<0 0058	--	--	--	<0 0076	--	--	<0 0061	--
GAMMA-CHLORDANE	UG/L	<0 0055	--	--	--	--	<0 015	--	--	<0 0057	--	--	--	<0 012	--	--	<0 0060	--
HEPTACHLOR	UG/L	<0 0067	--	--	--	--	<0 011	--	--	<0 0069	--	--	--	<0 0085	--	--	<0 0073	--
HEPTACHLOR EPOXIDE	UG/L	<0 0061	--	--	--	--	<0 0099	--	--	<0 0063	--	--	--	<0 0080	--	--	<0 0067	--
METHOXYCHLOR	UG/L	<0 068	--	--	--	--	<0 10	--	--	<0.070	--	--	--	<0 084	--	--	<0 074	--
TOXAPHENE	UG/L	<0 50	--	--	--	--	<0 58	--	--	<0 52	--	--	--	<0 47	--	--	<0 55	--

Notes

Baseline MNA monitoring was conducted in July 2006

Laboratory and data validation qualifier key in Table B5

"--" = not analyzed.

NR = not recorded

Table B2
Sentinel Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-203I 12/19/06	RM-203I 4/10/07	RM-203I DUP 4/10/07	RM-203I 7/30/07	RM-203I 10/24/07	RM-203I 12/27/07	RM-210D 7/11/06	RM-210D DUP 7/11/06	RM-210D 9/25/06	RM-210D 12/19/06	RM-210D 4/16/07	RM-210D 7/24/07	RM-210D 10/23/07	RM-210D DUP 10/23/07	RM-210D 1/9/08	RM-210I 7/11/06
FIELD PARAMETERS																	
ALKALINITY, FIELD	MG/L	--	1861	--	324	232	--	349	--	300	2486	2710	308	230	--	226	320
CARBON DIOXIDE, FIELD	MG/L	--	116	--	134	132	--	164	--	182	122	92	104	126	--	136	174
CONDUCTANCE, SPECIFIC	UMHOS/CM	758	792	--	751	751	728	700	--	676	710	694	701	704	--	716	689
DISSOLVED OXYGEN, FIELD	MG/L	6 52	3 19	--	5 30	5 06	6 72	0 98	--	1.15	0 65	1 13	0 39	1 47	--	0 70	5 98
EH, FIELD	MV	325	338	--	334	303	328	167	--	227	270	302	250	286	--	235	149
FERROUS IRON, FIELD	MG/L	--	0	--	0	0	0	<0 5	--	0	0	0	0	0	--	0	<0 5
PH, FIELD	SU	7 48	7.36	--	7 54	7 62	8 00	7 19	--	7 26	7 30	7 24	7 33	7 37	--	7.20	7 20
TEMPERATURE	DEG C	8	8 5	--	11 4	9 1	7 0	10 1	--	10.4	8 2	11 1	11 9	9 6	--	7 6	9 6
TURBIDITY, FIELD	NTU	6	0	--	37	22	6	82	--	6	386	76	111	9	--	0	6
INDICATOR PARAMETERS																	
ALKALINITY AS CACO3, TOTAL	MG/L	--	390	390	--	370	--	360	370	360	350 Nj	300	330	350	350	340 Nj	360
CHLORIDE, TOTAL	MG/L	--	11	11	--	10 u	--	14	14	13 A	18 Nj	13	13	13 Au	13 Au	13 A	14
ETHANE	UG/L	--	<10	<10	--	<10	--	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
ETHENE	UG/L	--	<10	<10	--	<10	--	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
METHANE	UG/L	--	<10	<10	--	<10	--	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
NITROGEN, NITRATE, TOTAL	MG/L	--	1 5	1 5	--	1 2	--	3 3	3 3	3 1	3 7 Nj	3 3	3 3 H	3 2	3 2	2 9	3 3
NITROGEN, NITRITE, TOTAL	MG/L	--	<0 036	<0 036	--	<0 036	--	<0 040	<0 040	<0 040	<0 040 N	<0 036 H	<0 036 NH	<0 036	<0 036	<0 036 Nj	<0 040
PH, LABORATORY	SU	--	7 4 HF	7 4 HF	--	7 3 HF	--	7 4 HF	7 5 HF	7 6 HF	7.1 HF	7 3 HF	7 1 HF	7.3 HF	7 3 HF	7 4 HF	7 5 HF
SULFATE, TOTAL	MG/L	--	54	53	--	58	--	28	26	24	26	26	27	25	25	25	26
TOTAL INORGANIC CARBON	MG/L	--	85	87	--	77	--	83	83	83	100	79	110	78	79	89	80
TOTAL ORGANIC CARBON AS NPOC	MG/L	--	<1 4	<1 4	--	1 8 Q	--	<0 72 A	<0 72 A	1 9 Q	<0 72	1 6 Q	<1 4	<1.4	1 8 Q	<1 4	<0 72 A
METALS																	
ALUMINUM, DISSOLVED	UG/L	9 0 Q	7.1 Q	11 Q	7 3 Qu	<4 4	<4 4	<40	<40	27 u	9 1 Q	13 Q	<4 4	9 4 Qu	5 8 Qu	5 5 QAu	<40
ANTIMONY, DISSOLVED	UG/L	<0 24	<0 24	<0 24	<0 10	0 15 Q	0 12 Qu	<0 40	<0 40	0 63 Qu	<0 24	0 38 Q	0 14 Q	0 11 Q	0 14 Q	0.31 Q	<0 40
ARSENIC, DISSOLVED	UG/L	0 33 Q	<0 13	<0 13	0 19 QAu	<0 093 A	0 32 u	0 43 Q	<0 40	0.48	0 17 Q	0 49	0 26 Qu	0.26 QA	0 20 QA	0 45 A	0 48 Q
BARIUM, DISSOLVED	UG/L	53	51	51	48	49	41	62	64	56	62	60	61	60	60	63	62
BERYLLIUM, DISSOLVED	UG/L	<0 10	<0 10	<0 10	<0 070	<0 070	<0 070	<0 40	<0 40	<0 10	<0 10	0.22 Q	<0 070	0 070 Q	<0 070	0.10 Q	<0 40
CADMIUM, DISSOLVED	UG/L	<0 12	<0.12	<0 12	<0 097	<0 097	<0.097	<0 40	<0 40	<0 14	<0 12	0 14 Q	<0 097	<0.097	<0 097	<0 097	<0 40
CALCIUM, DISSOLVED	UG/L	65000	68000	69000	64000	62000	50000	80000	75000	80000	76000	79000	78000	79000	77000	80000	75000
CHROMIUM, DISSOLVED	UG/L	0 82 Qu	0 67 Q	0 75 Q	0 71 Qu	0 79 Q	0 74 Qu	1 5 Au	1 3 QAu	3 1	0 71 Qu	1 0 Q	0 75 Qu	2 8	3 2	2.7 u	4 0 Au
COBALT, DISSOLVED	UG/L	0 39 u	0.34 A	0 53 A	1 5 u	2 7 u	1 8 u	0 43 Q	1.1 Q	1 0	1 5 u	2.3	4 3	0 29 u	2 3 u	2.1 u	0 72 Q
COPPER, DISSOLVED	UG/L	3 1	1 8 Q	1 8 Q	2 6 AXu	2 5 A	2 2 u	<2 0	<2 0	1 3	0 96 u	1 4 Q	2 4 AXu	1 2 Au	1 2 Au	1.7 u	<2 0
IRON, DISSOLVED	UG/L	160	230	230	190	91 A	670	160	200	120	160	330	180	110 A	120 A	100 A	170
LEAD, DISSOLVED	UG/L	0 070 Qu	<0 049	<0 049	<0 044	0 24 u	0 060 Qu	<0 40	<0 40	<0 049	<0 049	0 23	0 060 Qu	0 070 Qu	<0 044	0 12 Qu	<0 40
MAGNESIUM, DISSOLVED	UG/L	54000	55000	54000	54000	49000	51000	45000	43000	37000	40000	43000	41000	37000	37000	44000	40000
MANGANESE, DISSOLVED	UG/L	1 6	0.89 A	1 6 A	3 0	5 0 u	3.7 u	17	20	13	23	31	24	12 u	15 u	18 u	1 9 Q
MANGANESE, TOTAL	UG/L	--	48	41	--	19	--	32	32	25	160	150 E	84	19	18	21	2.2 A
MERCURY, DISSOLVED	UG/L	<0 072	<0 072	<0 072	<0 10 A	<0 10	<0.10	<0 072	<0 072	<0 072	<0 072	<0 072	<0 10	<0 10	<0 10	<0.10	<0 072
NICKEL, DISSOLVED	UG/L	1 4	2 0	2 2	1 9 u	1 3 u	2 3	3 3 Q	3 5 Q	3 0	2 3	3 9	3 0	2.6	2 8	3 8	3 1 Q
POTASSIUM, DISSOLVED	UG/L	2300	2100	2100	2100	2000	2100	1500	1400	1200	1400	1400	1300	1400 Ej	1300	1400	1400
SELENIUM, DISSOLVED	UG/L	0 70 Q	<0 67	0.73 Q	0 48 QAu	0 64 A	1 2 Au	<4.0	<4 0	0 91 Q	<0 67	<0 67	0 19 Q	<0.15 A	<0 15 A	0 76 A	<4 0
SILVER, DISSOLVED	UG/L	<0 034	<0 034	<0 034	<0 11	<0 11	<0 11	<0 40	<0 40	0 060 QAu	<0 034	0 15 A	<0 11	<0 11	<0 11	<0 11	<0 40
SODIUM, DISSOLVED	UG/L	23000	15000	15000	16000	16000	20000	4900	4500	4100	6000	4800	4500	4100	4200	4600	4900
THALLIUM, DISSOLVED	UG/L	<0 053	<0 053	<0 053	<0 030	<0 030	<0 030	<0 40	<0 40	<0 053	<0 053	0 20	<0 030 A	0 050 Q	<0 030	0 070 Q	<0 40
VANADIUM, DISSOLVED	UG/L	0 78	0.67	0 72	0 51 Qu	0 53 Q	0 42 Qu	<1 2	<1 2	0 69	0 84	1 1	0 69 Q	1.0 Q	1 0 Q	0 63 Q	<1 2
ZINC, DISSOLVED	UG/L	19 Au	4 2 A	4 6 A	3 9 QAu	5 1 QAu	7 6 Au	<4 0	<4 0	8 6 Au	6 4 Au	5 1 A	5 2 QAu	4 5 QAu	5 7 QAu	6 0 QAu	<4 0

Table B2
Sentinel Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-203I 12/19/06	RM-203I 4/10/07	RM-203I DUP 4/10/07	RM-203I 7/30/07	RM-203I 10/24/07	RM-203I 12/27/07	RM-210D 7/11/06	RM-210D DUP 7/11/06	RM-210D 9/25/06	RM-210D 12/19/06	RM-210D 4/16/07	RM-210D 7/24/07	RM-210D 10/23/07	RM-210D DUP 10/23/07	RM-210D 1/9/08	RM-210I 7/11/06
VOLATILE ORGANICS																	
1,1,1-TRICHLOROETHANE	UG/L	1 8 Q	2 4 Q	2 2 Q	2 2 Q	2 0 Q	1 4 Q	23	23	22	24	26	22	23	22	22	13
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.20	<0 20	<0 20	<0 20	<0 20	<0.20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0.20	<0 20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42
1,1-DICHLOROETHANE	UG/L	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	13	13	12	13	11	12	12	12	12	5 4
1,1-DICHLOROETHENE	UG/L	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	2 5	2 6	2 2	2 8	2 1	2 4	2 4	2 4	2 3	1 1 Q
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	<1 4	--	--	--	--	--	7 5	7 7	7 6	7 7	--	--	--	--	--	3 4 Q
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3	<4.3	<4 3	<4 3	<4.3 *&	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3 *&	<4 3 *&	<4 3	<4.3
2-HEXANONE	UG/L	<1.1	<1.1	<1 1	<1 1	<1 1 *&	<1 1	<1 1	<1 1	<1.1	<1 1	<1 1	<1 1	<1 1 *&	<1.1 *&	<1 1	<1.1
4-METHYL-2-PENTANONE	UG/L	<1 2	<1.2	<1 2	<1 2	<1 2	<1 2	<1.2	<1 2	<1 2	<1 2	<1.2	<1 2	<1 2	<1 2	<1 2	<1 2
ACETONE	UG/L	<2 3	<2 3	<2 3	<2 2	<2 2 *&	<2 2	<2.3	<2 3	<2 3	<2 3	<2 3	<2 2	<2 2 *&	<2.2 *&	<2 2 *	<2 3
BENZENE	UG/L	<0 41	<0 41	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94	<0 94	<0.94	<0 94	<0.94	<0 94	<0 94	<0 94	<0.94	<0 94	<0 94	<0 94	<0 94	<0 94	<0.94	<0 94
BROMOMETHANE	UG/L	<0 91 &	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91 &	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0.66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0.66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0.49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49
CHLOROBENZENE	UG/L	<0.41	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0.81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<0 97	<0 97	<0 97	<0 97	<0 97	<0.97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0.37	<0 37	<0 37	<0 37	<0.37
CHLOROMETHANE	UG/L	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	0 84 u	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	1 7 u
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	7 5	7 7	7 6	7 7	6 4	6 9	7 0	6 7	6 9	3 4
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54	<0 54	<0.54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0 43	<0 43	0 52 Qu	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	0 47 Qu	<0 43
STYRENE	UG/L	<0 86	<0 86	<0 86	<0 86	<0.86	<0 86	<0 86	<0 86	<0.86	<0.86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	<0 45	<0 45	<0 45	<0 45	<0.45	<0 45	2 6 Xu	3 2 Xu	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45	3 4 Xu
TOLUENE	UG/L	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0.67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0.89	<0 89	<0 89	<0 89	<0 89	<0.89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0.19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19
TRICHLOROETHENE	UG/L	<0 48	<0 48	<0.48	<0 48	<0 48	<0.48	4 3	4 1	4 0	4 5	4 2	3 9	3 9	3 8	4 0	2 2
VINYL CHLORIDE	UG/L	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0.18	<0 18	<0 18	<0.18	<0 18	<0 18	<0 18	<0 18
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2.6	<2 6	<2 6	<2 6
SEMIVOLATILE ORGANICS																	
1,2,4-TRICHLOROBENZENE	UG/L	--	--	--	<2 0	--	--	<2 2	<2.3	--	--	--	<1 9	--	--	--	<2 1
1,2-DICHLOROBENZENE	UG/L	--	--	--	<2 0	--	--	<2 1	<2 3	--	--	--	<1 8	--	--	--	<2 1
1,3-DICHLOROBENZENE	UG/L	--	--	--	<2 0	--	--	<2 1	<2.3	--	--	--	<1 9	--	--	--	<2.1
1,4-DICHLOROBENZENE	UG/L	--	--	--	<2 0	--	--	<2 1	<2 3	--	--	--	<1 9	--	--	--	<2 1
2,2'-OXYBIS(1-CHLOROPROPANE)	UG/L	--	--	--	<0.66	--	--	<0 69	<0 76	--	--	--	<0 61	--	--	--	<0 69
2,4,5-TRICHLOROPHENOL	UG/L	--	--	--	<1 3	--	--	<1 4	<1 5	--	--	--	<1 2	--	--	--	<1.3
2,4,6-TRICHLOROPHENOL	UG/L	--	--	--	<0 94	--	--	<0 99	<1.1	--	--	--	<0 87	--	--	--	<0 98
2,4-DICHLOROPHENOL	UG/L	--	--	--	<0 94	--	--	<0 99	<1 1	--	--	--	<0 87	--	--	--	<0 98
2,4-DIMETHYLPHENOL	UG/L	--	--	--	<0 78	--	--	<0.82	<0 90	--	--	--	<0 72	--	--	--	<0 82
2,4-DINITROPHENOL	UG/L	--	--	--	<2 5	--	--	<2 6	<2 8	--	--	--	<2 3	--	--	--	<2 6

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Table B2
Sentinel Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-203I 12/19/06	RM-203I 4/10/07	RM-203I DUP 4/10/07	RM-203I 7/30/07	RM-203I 10/24/07	RM-203I 12/27/07	RM-210D 7/11/06	RM-210D DUP 7/11/06	RM-210D 9/25/06	RM-210D 12/19/06	RM-210D 4/16/07	RM-210D 7/24/07	RM-210D 10/23/07	RM-210D DUP 10/23/07	RM-210D 1/9/08	RM-210I 7/11/06
SEMIVOLATILE ORGANICS (cont'd)																	
2,4-DINITROTOLUENE	UG/L	--	--	--	<1 0	--	--	<1 1	<1 2	--	--	--	<0 93	--	--	--	<1 0
2,6-DINITROTOLUENE	UG/L	--	--	--	<0.72	--	--	<0 76	<0 83	--	--	--	<0 67	--	--	--	<0 75
2-CHLORONAPHTHALENE	UG/L	--	--	--	<1 3	--	--	<1 4	<1 5	--	--	--	<1 2	--	--	--	<1 4
2-CHLOROPHENOL	UG/L	--	--	--	<0 92	--	--	<0 96	<1 0	--	--	--	<0 85	--	--	--	<0 95
2-METHYLNAPHTHALENE	UG/L	--	--	--	<1 6	--	--	<1 7	<1 9	--	--	--	<1 5	--	--	--	<1 7
2-METHYLPHENOL	UG/L	--	--	--	<0 79	--	--	<0 83	<0 90	--	--	--	<0 73	--	--	--	<0 82
2-NITROANILINE	UG/L	--	--	--	<0 70	--	--	<0 74	<0 81	--	--	--	<0 65	--	--	--	<0 73
2-NITROPHENOL	UG/L	--	--	--	<1 1	--	--	<1 1	<1 2	--	--	--	<0 98	--	--	--	<1.1
3,3'-DICHLOROBENZIDINE	UG/L	--	--	--	<1 5	--	--	<1 5	<1 7	--	--	--	<1 4	--	--	--	<1.5
3-NITROANILINE	UG/L	--	--	--	<0 89	--	--	<0 94	<1.0	--	--	--	<0 82	--	--	--	<0 93
4,6-DINITRO-2-METHYLPHENOL	UG/L	--	--	--	<1 0	--	--	<1 1	<1 2	--	--	--	<0 97	--	--	--	<1 1
4-BROMOPHENYL-PHENYLETHER	UG/L	--	--	--	<0 86	--	--	<0 91	<0 99	--	--	--	<0 80	--	--	--	<0 90
4-CHLORO-3-METHYLPHENOL	UG/L	--	--	--	<0 97	--	--	<1 0	<1 1	--	--	--	<0 90	--	--	--	<1 0
4-CHLOROANILINE	UG/L	--	--	--	<1 1	--	--	<1 1	<1 2	--	--	--	<0 98	--	--	--	<1 1
4-CHLOROPHENYL-PHENYLETHER	UG/L	--	--	--	<1 0	--	--	<1 1 &	<1 2 &	--	--	--	<0 93	--	--	--	<1 0 &
4-METHYLPHENOL	UG/L	--	--	--	<0 76	--	--	<0 81	<0 88	--	--	--	<0 71	--	--	--	<0 80
4-NITROANILINE	UG/L	--	--	--	<0 74	--	--	<0 78	<0 85	--	--	--	<0 68	--	--	--	<0 77
4-NITROPHENOL	UG/L	--	--	--	<1 0	--	--	<1 1	<1.1	--	--	--	<0 92	--	--	--	<1 0
ACENAPHTHENE	UG/L	--	--	--	<1 1	--	--	<1 2 &	<1 3 &	--	--	--	<1 0	--	--	--	<1 2 &
ACENAPHTHYLENE	UG/L	--	--	--	<1.1	--	--	<1.2	<1 3	--	--	--	<1 0	--	--	--	<1.1
ANTHRACENE	UG/L	--	--	--	<0 83	--	--	<0 88 &	<0 96 &	--	--	--	<0 77	--	--	--	<0 87 &
BENZO(A)ANTHRACENE	UG/L	--	--	--	<1 3	--	--	<1 3	<1 5	--	--	--	<1 2	--	--	--	<1 3
BENZO(A)PYRENE	UG/L	--	--	--	<1 1	--	--	<1 1	<1 2	--	--	--	<0 97	--	--	--	<1 1
BENZO(B)FLUORANTHENE	UG/L	--	--	--	<0 99	--	--	<1 0 &	<1 1 &	--	--	--	<0 92	--	--	--	<1 0 &
BENZO(G,H,I)PERYLENE	UG/L	--	--	--	<2 0	--	--	<2 1	<2 3	--	--	--	<1 9	--	--	--	<2.1
BENZO(K)FLUORANTHENE	UG/L	--	--	--	<1 2	--	--	<1 2	<1 3	--	--	--	<1 1	--	--	--	<1 2
BIS(2-CHLOROETHOXY)METHANE	UG/L	--	--	--	<0 82	--	--	<0 87	<0 95	--	--	--	<0 76	--	--	--	<0 86
BIS(2-CHLOROETHYL)ETHER	UG/L	--	--	--	<0 79	--	--	<0 83	<0 90	--	--	--	<0 73	--	--	--	<0 82
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	--	--	--	58	--	--	<1.1 &	<1 2 &	--	--	--	17	--	--	--	<1 1 &
BUTYLBENZYLPHTHALATE	UG/L	--	--	--	<1 2	--	--	<1 3 &	<1 4 &	--	--	--	<1 2	--	--	--	<1 3 &
CARBAZOLE	UG/L	--	--	--	<1 0	--	--	<1.1	<1.2	--	--	--	<0 96	--	--	--	<1.1
CHRYSENE	UG/L	--	--	--	<1 7	--	--	<1 8	<1 9	--	--	--	<1.6	--	--	--	<1 8
DIBENZ(A,H)ANTHRACENE	UG/L	--	--	--	<2 0	--	--	<2 1 &	<2 3 &	--	--	--	<1 8	--	--	--	<2 0 &
DIBENZOFURAN	UG/L	--	--	--	<0 86	--	--	<0 90	<0 98	--	--	--	<0 79	--	--	--	<0 89
DIETHYLPHTHALATE	UG/L	--	--	--	<1 0	--	--	<1 1	<1 2	--	--	--	<0 96	--	--	--	<1 1
DIMETHYLPHTHALATE	UG/L	--	--	--	<0 86	--	--	<0 91	<0 99	--	--	--	<0 80	--	--	--	<0 90
DI-N-BUTYLPHTHALATE	UG/L	--	--	--	<1 0	--	--	<1.1	<1.1	--	--	--	<0.92	--	--	--	<1 0
DI-N-OCTYLPHTHALATE	UG/L	--	--	--	<1 5	--	--	<1 5	<1 7	--	--	--	<1 4	--	--	--	<1 5
FLUORANTHENE	UG/L	--	--	--	<1 4	--	--	<1 4	<1 6	--	--	--	<1 3	--	--	--	<1 4
FLUORENE	UG/L	--	--	--	<0 90	--	--	<0 95	<1 0	--	--	--	<0 83	--	--	--	<0 94
HEXACHLOROBENZENE	UG/L	--	--	--	<0 89	--	--	<0.94	<1 0	--	--	--	<0 82	--	--	--	<0 93
HEXACHLOROBUTADIENE	UG/L	--	--	--	<2 8	--	--	<3 0	<3 2	--	--	--	<2 6	--	--	--	<3 0
HEXACHLOROCYCLOPENTADIENE	UG/L	--	--	--	<1 1	--	--	<1 2	<1 3	--	--	--	<1.1 *	--	--	--	<1 2
HEXACHLOROETHANE	UG/L	--	--	--	<2 3	--	--	<2 4	<2 6	--	--	--	<2 1	--	--	--	<2 4
INDENO(1,2,3-CD)PYRENE	UG/L	--	--	--	<0 67	--	--	<0 70	<0 76	--	--	--	<0 62	--	--	--	<0 69
ISOPHORONE	UG/L	--	--	--	<0 67	--	--	<0 71	<0 77	--	--	--	<0 62	--	--	--	<0 70

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Table B2
Sentinel Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-203I 12/19/06	RM-203I 4/10/07	RM-203I DUP 4/10/07	RM-203I 7/30/07	RM-203I 10/24/07	RM-203I 12/27/07	RM-210D 7/11/06	RM-210D DUP 7/11/06	RM-210D 9/25/06	RM-210D 12/19/06	RM-210D 4/16/07	RM-210D 7/24/07	RM-210D 10/23/07	RM-210D DUP 10/23/07	RM-210D 1/9/08	RM-210I 7/11/06
SEMIVOLATILE ORGANICS (cont'd)																	
NAPHTHALENE	UG/L	--	--	--	<1 4	--	--	<1 5	<1 6	--	--	--	<1 3	--	--	--	<1 5
NITROBENZENE	UG/L	--	--	--	<0 84	--	--	<0 88	<0 96	--	--	--	<0 77	--	--	--	<0.87
N-NITROSODI-N-PROPYLAMINE	UG/L	--	--	--	<0 65	--	--	<0 69	<0 75	--	--	--	<0.60	--	--	--	<0 68
N-NITROSODIPHENYLAMINE	UG/L	--	--	--	<4 6	--	--	<4 8	<5 3	--	--	--	<4 2	--	--	--	<4 8
PENTACHLOROPHENOL	UG/L	--	--	--	<1 1	--	--	<1.1	<1 2	--	--	--	<0 97	--	--	--	<1.1
PHENANTHRENE	UG/L	--	--	--	<0 74	--	--	<0 78 &	<0 85 &	--	--	--	<0 68	--	--	--	<0 77 &
PHENOL	UG/L	--	--	--	<0 61	--	--	<0 64	<0 70	--	--	--	<0 56	--	--	--	<0 63
PYRENE	UG/L	--	--	--	<0 97	--	--	<1 0	<1.1	--	--	--	<0 90	--	--	--	<1 0
PESTICIDES AND PCBs																	
4,4'-DDD	UG/L	--	--	--	<0 021	--	--	<0 015	<0 016	--	--	--	<0.023	--	--	--	<0 015
4,4'-DDE	UG/L	--	--	--	<0 022	--	--	<0 013	<0 014	--	--	--	<0 024	--	--	--	<0 013
4,4'-DDT	UG/L	--	--	--	<0 025	--	--	<0 015	<0 016	--	--	--	<0 027	--	--	--	<0 015
ALDRIN	UG/L	--	--	--	<0.011	--	--	<0 0080	<0 0083	--	--	--	<0 012	--	--	--	<0 0076
ALPHA-BHC	UG/L	--	--	--	<0 0058	--	--	<0 0057	<0 0059	--	--	--	<0 0063	--	--	--	<0 0055
ALPHA-CHLORDANE	UG/L	--	--	--	<0 0097	--	--	<0 0069	<0 0071	--	--	--	<0 011	--	--	--	<0 0066
AROCLOR-1016	UG/L	--	--	--	<0 23	--	--	<0 29	<0 30	--	--	--	<0 25	--	--	--	<0 28
AROCLOR-1221	UG/L	--	--	--	<0 23	--	--	<0 29	<0 30	--	--	--	<0 25	--	--	--	<0 28
AROCLOR-1232	UG/L	--	--	--	<0 23	--	--	<0 29	<0 30	--	--	--	<0 25	--	--	--	<0 28
AROCLOR-1242	UG/L	--	--	--	<0 23	--	--	<0 29	<0 30	--	--	--	<0 25	--	--	--	<0 28
AROCLOR-1248	UG/L	--	--	--	<0 23	--	--	<0.29	<0 30	--	--	--	<0 25	--	--	--	<0 28
AROCLOR-1254	UG/L	--	--	--	<0 23	--	--	<0 29	<0 30	--	--	--	<0 25	--	--	--	<0 28
AROCLOR-1260	UG/L	--	--	--	<0 23	--	--	<0 29	<0 30	--	--	--	<0 25	--	--	--	<0 28
BETA-BHC	UG/L	--	--	--	<0 012	--	--	<0 0061	<0 0063	--	--	--	<0 013	--	--	--	<0 0058
DELTA-BHC	UG/L	--	--	--	<0 0088	--	--	<0 0063	<0 0065	--	--	--	<0 0096	--	--	--	<0 0060
DIELDRIN	UG/L	--	--	--	<0 017	--	--	<0.014	<0 015	--	--	--	<0 019 &	--	--	--	<0 013
ENDOSULFAN I	UG/L	--	--	--	<0 010	--	--	<0 0063	<0 0065	--	--	--	<0 011 &	--	--	--	<0 0060
ENDOSULFAN II	UG/L	--	--	--	<0 022	--	--	<0 011	<0 011	--	--	--	<0 024 &	--	--	--	<0 010
ENDOSULFAN SULFATE	UG/L	--	--	--	<0 016	--	--	<0 014	<0 015	--	--	--	<0 017	--	--	--	<0 013
ENDRIN	UG/L	--	--	--	<0 023	--	--	<0 010	<0 010	--	--	--	<0 025 &	--	--	--	<0.0097
ENDRIN ALDEHYDE	UG/L	--	--	--	<0 018	--	--	<0 012	<0 012	--	--	--	<0 020 &	--	--	--	<0 012
ENDRIN KETONE	UG/L	--	--	--	<0 015	--	--	<0 011	<0 011	--	--	--	<0 017	--	--	--	<0 010
GAMMA-BHC (LINDANE)	UG/L	--	--	--	<0 0076	--	--	<0 0062	<0 0064	--	--	--	<0 0083	--	--	--	<0 0059
GAMMA-CHLORDANE	UG/L	--	--	--	<0 012	--	--	<0 0061	<0 0063	--	--	--	<0.013	--	--	--	<0 0058
HEPTACHLOR	UG/L	--	--	--	<0 0085	--	--	<0 0074	<0 0077	--	--	--	<0 0093	--	--	--	<0.0071
HEPTACHLOR EPOXIDE	UG/L	--	--	--	<0 0080	--	--	<0 0067	<0 0070	--	--	--	<0 0087	--	--	--	<0 0065
METHOXYCHLOR	UG/L	--	--	--	<0 084	--	--	<0 075	<0 078	--	--	--	<0 092 &	--	--	--	<0 072
TOXAPHENE	UG/L	--	--	--	<0 47	--	--	<0 55	<0 57	--	--	--	<0 51	--	--	--	<0 53

Notes

Baseline MNA monitoring was conducted in July 2006

Laboratory and data validation qualifier key in Table B5.

"--" = not analyzed

NR = not recorded

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Table B2
Sentinel Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-210I 9/25/06	RM-210I 12/19/06	RM-210I 4/16/07	RM-210I 7/24/07	RM-210I 10/23/07	RM-210I 1/9/08	RM-211D 7/13/06	RM-211D 9/26/06	RM-211D 12/19/06	RM-211D 4/16/07	RM-211D 7/26/07	RM-211D 10/25/07	RM-211D 12/26/07	RM-212D 7/12/06	RM-212D 9/26/06	RM-212D 12/14/06
FIELD PARAMETERS																	
ALKALINITY, FIELD	MG/L	303	--	2620	284	206	228	434	249	--	--	292	204	--	970	292	1640
CARBON DIOXIDE, FIELD	MG/L	244	--	92	86	124	144	180	218	--	--	94	166	--	261	224	240
CONDUCTANCE, SPECIFIC	UMHOS/CM	696	697	709	704	721	733	703	720	726	721	706	719	693	860	660	770
DISSOLVED OXYGEN, FIELD	MG/L	6 81	8 88	8 93	5 44	6 79	6 74	0 81	1 58	1 50	1.37	1 17	0 71	--	0 99	6 74	4.52
EH, FIELD	MV	270	325	339	269	300	322	145	261	165	289	202	236	--	250	256	272
FERROUS IRON, FIELD	MG/L	0	--	0	0	0	0	<0 2	0	--	--	0	0	--	<0 5	2	0
PH, FIELD	SU	7 33	7 37	7 38	7 35	7 46	7 39	6 98	7 10	7.08	7 14	7 20	7 24	7 52	7 14	7 35	7 26
TEMPERATURE	DEG C	10 3	8 1	10 4	11 5	10 6	7.7	11 0	10 0	9 5	10 6	11.1	10.6	9 6	11.5	11 1	9 4
TURBIDITY, FIELD	NTU	7	36	31	12	4	18	1	1	0	4	0	0	0	144	217	110
INDICATOR PARAMETERS																	
ALKALINITY AS CACO3, TOTAL	MG/L	350	--	340	--	360 Nj	--	350	--	--	--	340	--	--	400	330	370 Nj
CHLORIDE, TOTAL	MG/L	13 NA	--	14	--	14 A	--	15 A	--	--	--	16	--	--	18 A	9 4 A	13 A
ETHANE	UG/L	<10	--	<10	--	<10	--	<10	--	--	--	<10	--	--	<10	<10	<10
ETHENE	UG/L	<10	--	<10	--	<10	--	<10	--	--	--	<10	--	--	<10	<10	<10
METHANE	UG/L	<10	--	<10	--	<10	--	<10	--	--	--	<10	--	--	<10	<10	<10
NITROGEN, NITRATE, TOTAL	MG/L	3 1 N	--	3 6	--	3 7	--	4 0	--	--	--	5 0	--	--	<0 088	<0 088	0 19 Q
NITROGEN, NITRITE, TOTAL	MG/L	<0 040 N	--	<0 036	--	<0 036	--	<0 040	--	--	--	<0 036 N	--	--	<0 040	<0 040	<0 040 N
PH, LABORATORY	SU	7 6 HF	--	7 3 HF	--	7 4 HF	--	7 2 HF	--	--	--	7 0 HF	--	--	7.6 HF	7 3 HF	7 4 HFhj
SULFATE, TOTAL	MG/L	24 N	--	25	--	24	--	25	--	--	--	25	--	--	55	35	41
TOTAL INORGANIC CARBON	MG/L	84	--	89	--	87	--	83	--	--	--	110	--	--	95	83	110
TOTAL ORGANIC CARBON AS NPOC	MG/L	1 6 Q	--	<1 4 N*	--	<1 4	--	<0 72 A	--	--	--	<1 4	--	--	1 4 QA	1 1 Q	1 5 Q
METALS																	
ALUMINUM, DISSOLVED	UG/L	<6 3	--	<6 3	--	<4 4	--	<40	<6 3	45	<6 3	5 6 Q	<4 4	<4 4	<40	8 0 Qu	7 6 Q
ANTIMONY, DISSOLVED	UG/L	0 41 Qu	--	<0 24	--	<0 10	--	<0 40	<0 24	<0 24	<0 24	0 26 Q	<0 10	<0 10	<0 40	0 53 Q	<0 24
ARSENIC, DISSOLVED	UG/L	0 56	--	0 19 Q	--	0 21 QA	--	0 53 Q	0.26 Qu	0 40 Q	0 25 Q	0.49 u	0 39 A	0 43 u	1 4	1 4	1 2
BARIUM, DISSOLVED	UG/L	59	--	66	--	64	--	40	40	42	41	39	41	40	100	84	95
BERYLLIUM, DISSOLVED	UG/L	<0 10	--	<0 10	--	<0 070	--	<0 40	<0 10	<0 10	<0 10	0 17 Q	<0 070	<0 070	<0 40	<0 10	<0 10
CADMIUM, DISSOLVED	UG/L	<0 14	--	<0 12	--	<0 097	--	<0 40	<0.14	<0 12	<0 12	0 18 Q	<0 097	<0 097	<0 40	<0.14	<0 12
CALCIUM, DISSOLVED	UG/L	72000	--	79000	--	77000 j	--	76000	86000	81000	79000	77000	79000	85000	81000	71000	79000
CHROMIUM, DISSOLVED	UG/L	1 8	--	1.8	--	1.1 Q	--	0 99 QAu	0 74 Qu	0 98 Q	0 82 Q	0 80 Qu	0 52 Q	<0 43	<0 40	0 52 Qu	<0.32
COBALT, DISSOLVED	UG/L	0 13	--	0 73	--	0 19 Qu	--	1 2 Q	0 54	0 52	0 72	0 59	0 45 u	0 60 u	1.4	2 8	1.1 u
COPPER, DISSOLVED	UG/L	2 0	--	1 1 Q	--	0.78 Au	--	<2 0	3 0	0 52	0 75 Q	1 7 AXu	0 31 QAu	0 66 u	<2 0	0 43 Q	1 1 u
IRON, DISSOLVED	UG/L	130	--	320	--	110 A	--	180	140	180	340	180	130 A	1100	220	420	160
LEAD, DISSOLVED	UG/L	<0 049	--	<0 049	--	<0 044	--	0 78 Q	<0 049	<0 049	0 32	0 19 u	<0 044	<0 044	<0 40	<0 049	0 070 Qu
MAGNESIUM, DISSOLVED	UG/L	38000	--	43000	--	38000 Nj	--	45000	39000	40000	42000	38000	36000	41000	52000	42000	47000
MANGANESE, DISSOLVED	UG/L	0 68 Au	--	2 1	--	0 52 Au	--	4 7	1 6 Au	3 2	1 7	0 62 A	3 6 u	1.0 Au	31	44	30
MANGANESE, TOTAL	UG/L	1 3 Au	--	13	--	1 2 Au	--	0.71 QA	--	--	--	2 1	--	--	66	130	50
MERCURY, DISSOLVED	UG/L	<0 072 N	--	<0 072	--	<0 10	--	<0 072	<0 072	<0 072	<0 072	<0.10	<0 10	<0.10	<0 072	<0.072	<0 072
NICKEL, DISSOLVED	UG/L	2 0	--	3 2	--	1.5 u	--	2 3 Q	1 1 Q	1 6	2 0	1 2	0 76 u	2 0 u	6 2	86	29
POTASSIUM, DISSOLVED	UG/L	1300	--	1500	--	1400	--	2900	1500	1600	1700	1500	1400	1300	1600	1400	1600
SELENIUM, DISSOLVED	UG/L	0 99 Q	--	<0.67	--	0 38 QA	--	<4 0	<0 67	0 85 Q	<0 67	0 72	<0 15 A	1 0 u	<4 0	<0 67	<0.67
SILVER, DISSOLVED	UG/L	<0 034	--	<0 034 A	--	<0 11	--	<0 40	<0 034	<0 034	<0 034 A	<0 11	<0 11	<0.11	<0 40	<0 034	<0 034
SODIUM, DISSOLVED	UG/L	4700	--	5800	--	4800	--	5300	4900	5400	5700	4900	4600	4600	7900	6800	7700
THALLIUM, DISSOLVED	UG/L	<0 053	--	<0 053	--	<0 030	--	<0.40	<0 053	<0 053	<0 053	0 16 A	<0 030	<0 030	<0 40	<0 053	<0 053
VANADIUM, DISSOLVED	UG/L	0.92	--	1 1	--	0 92 Q	--	<1 2	0 61	0 63	0 85	0 64 Q	0 48 Q	<0 41	<1 2	0 42	0.74 u
ZINC, DISSOLVED	UG/L	4 7 Au	--	3 8 A	--	4 8 QAu	--	6 1 QA	4 6 Au	19 A	3 3 A	2 3 QAu	3 2 QAu	4 1 QAu	<4 0	6 2 Au	8 9 A

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Table B2
Sentinel Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-210I 9/25/06	RM-210I 12/19/06	RM-210I 4/16/07	RM-210I 7/24/07	RM-210I 10/23/07	RM-210I 1/9/08	RM-211D 7/13/06	RM-211D 9/26/06	RM-211D 12/19/06	RM-211D 4/16/07	RM-211D 7/26/07	RM-211D 10/25/07	RM-211D 12/26/07	RM-212D 7/12/06	RM-212D 9/26/06	RM-212D 12/14/06
VOLATILE ORGANICS																	
1,1,1-TRICHLOROETHANE	UG/L	12	12	14	14	13	14	<0 90	2 9 Q	1 7 Q	2 2 Q	2 9 Q	1.7 Q	2.1 Q	<0 90	<0.90	<0 90
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0.20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0.42	<0 42
1,1-DICHLOROETHANE	UG/L	5 2	5 7	4 7	6 3	6 0	5 9	<0 75	1 2 Q	<0 75	<0 75	1.2 Q	<0 75	0 80 Q	<0 75	<0 75	<0 75
1,1-DICHLOROETHENE	UG/L	0 94 Q	0 85 Q	0 86 Q	1 2 Q	1 2 Q	1 2 Q	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0.57	<0 57	<0 57	<0 57
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	3 3 Q	3 6 Q	--	--	--	--	<1 4	<1 4	<1 4	--	--	--	--	<1 4	<1.4	<1.4
1,2-DICHLOROPROPANE	UG/L	<0 46	<0.46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3	<4 3	<4 3	<4 3	<4 3 *&	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3 *&	<4 3	<4 3	<4.3	<4.3
2-HEXANONE	UG/L	<1 1	<1 1	<1 1	<1.1	<1 1 *&	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1 *&	<1 1	<1.1	<1 1	<1.1
4-METHYL-2-PENTANONE	UG/L	<1.2	<1 2	<1 2	<1 2	<1 2	<1 2	<1.2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1.2	<1.2
ACETONE	UG/L	<2 3	<2 3	<2 3	<2 2	<2 2 *&	<2 2 *	9 1 u	<2 3	<2 3	<2 3	<2 2	2 8 Q*&J	<2 2	<2 3	<2 3	<2 3
BENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0.41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0.56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91 &	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91 &	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91	<0 91 &
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0.37	<0.37	<0 37
CHLOROMETHANE	UG/L	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	0 29 Qu	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	0 65 Qu	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	3 3	3 6	2 9	3 7	3 6	3 8	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0 43	<0 43	0 47 Qu	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43
STYRENE	UG/L	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45	4 1 Xu	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45	2 2 Xu	<0 45	<0 45
TOLUENE	UG/L	<0 67	<0 67	<0 67	<0.67	<0 67	<0.67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0.89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19
TRICHLOROETHENE	UG/L	2.1	1 9	2 0	2 2	2 1	2 3	<0 48	<0 48	<0 48	<0 48	0 49 Q	<0 48	<0 48	<0 48	<0 48	<0 48
VINYL CHLORIDE	UG/L	<0 18	<0.18	<0.18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0 18	<0.18	<0 18	<0 18
XYLENE, TOTAL	UG/L	<2 6	<2.6	<2.6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2.6	<2.6	<2 6
SEMIVOLATILE ORGANICS																	
1,2,4-TRICHLOROBENZENE	UG/L	--	--	--	<4 0	--	--	<1 9	--	--	--	<1 9	--	--	<2 1	--	--
1,2-DICHLOROBENZENE	UG/L	--	--	--	<3 9	--	--	<1 8	--	--	--	<1 8	--	--	<2.0	--	--
1,3-DICHLOROBENZENE	UG/L	--	--	--	<3 9	--	--	<1 9	--	--	--	<1 9	--	--	<2.1	--	--
1,4-DICHLOROBENZENE	UG/L	--	--	--	<3 9	--	--	<1.9	--	--	--	<1 9	--	--	<2.1	--	--
2,2'-OXYBIS(1-CHLOROPROPANE)	UG/L	--	--	--	<1 3	--	--	<0 61	--	--	--	<0 61	--	--	<0 68	--	--
2,4,5-TRICHLOROPHENOL	UG/L	--	--	--	<2.5	--	--	<1.2	--	--	--	<1 2	--	--	<1 3	--	--
2,4,6-TRICHLOROPHENOL	UG/L	--	--	--	<1 8	--	--	<0 87	--	--	--	<0 87	--	--	<0 96	--	--
2,4-DICHLOROPHENOL	UG/L	--	--	--	<1 8	--	--	<0 87	--	--	--	<0 87	--	--	<0 96	--	--
2,4-DIMETHYLPHENOL	UG/L	--	--	--	<1 5	--	--	<0 72	--	--	--	<0 72	--	--	<0 80	--	--
2,4-DINITROPHENOL	UG/L	--	--	--	<4 8	--	--	<2 3	--	--	--	<2.3	--	--	<2 5	--	--

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Table B2
Sentinel Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-210I 9/25/06	RM-210I 12/19/06	RM-210I 4/16/07	RM-210I 7/24/07	RM-210I 10/23/07	RM-210I 1/9/08	RM-211D 7/13/06	RM-211D 9/26/06	RM-211D 12/19/06	RM-211D 4/16/07	RM-211D 7/26/07	RM-211D 10/25/07	RM-211D 12/26/07	RM-212D 7/12/06	RM-212D 9/26/06	RM-212D 12/14/06
SEMIVOLATILE ORGANICS (cont'd)																	
2,4-DINITROTOLUENE	UG/L	--	--	--	<2 0	--	--	<0 93	--	--	--	<0 93	--	--	<1 0	--	--
2,6-DINITROTOLUENE	UG/L	--	--	--	<1 4	--	--	<0 67	--	--	--	<0 67	--	--	<0 74	--	--
2-CHLORONAPHTHALENE	UG/L	--	--	--	<2 6	--	--	<1 2	--	--	--	<1 2	--	--	<1 4	--	--
2-CHLOROPHENOL	UG/L	--	--	--	<1 8	--	--	<0 85	--	--	--	<0 85	--	--	<0 94	--	--
2-METHYLNAPHTHALENE	UG/L	--	--	--	<3 2	--	--	<1 5	--	--	--	<1 5	--	--	<1 7	--	--
2-METHYLPHENOL	UG/L	--	--	--	<1 5	--	--	<0 73	--	--	--	<0 73	--	--	<0 81	--	--
2-NITROANILINE	UG/L	--	--	--	<1 4	--	--	<0 65	--	--	--	<0 65	--	--	<0 72	--	--
2-NITROPHENOL	UG/L	--	--	--	<2 1	--	--	<0 98	--	--	--	<0 98	--	--	<1.1	--	--
3,3'-DICHLOROBENZIDINE	UG/L	--	--	--	<2.9	--	--	<1 4	--	--	--	<1 4	--	--	<1 5	--	--
3-NITROANILINE	UG/L	--	--	--	<1 7	--	--	<0 82	--	--	--	<0 82	--	--	<0 91	--	--
4,6-DINITRO-2-METHYLPHENOL	UG/L	--	--	--	<2 0	--	--	<0 97	--	--	--	<0 97	--	--	<1 1	--	--
4-BROMOPHENYL-PHENYLETHER	UG/L	--	--	--	<1 7	--	--	<0 80	--	--	--	<0 80	--	--	<0 88	--	--
4-CHLORO-3-METHYLPHENOL	UG/L	--	--	--	<1 9	--	--	<0.90	--	--	--	<0 90	--	--	<1.0	--	--
4-CHLOROANILINE	UG/L	--	--	--	<2 1	--	--	<0 98	--	--	--	<0 98	--	--	<1.1	--	--
4-CHLOROPHENYL-PHENYLETHER	UG/L	--	--	--	<2 0	--	--	<0 93 &	--	--	--	<0 93	--	--	<1 0 &	--	--
4-METHYLPHENOL	UG/L	--	--	--	<1 5	--	--	<0 71	--	--	--	<0 71	--	--	<0.78	--	--
4-NITROANILINE	UG/L	--	--	--	<1 4	--	--	<0 68	--	--	--	<0 68	--	--	<0.76	--	--
4-NITROPHENOL	UG/L	--	--	--	<1 9	--	--	<0.92	--	--	--	<0 92 N	--	--	<1.0	--	--
ACENAPHTHENE	UG/L	--	--	--	<2 1	--	--	<1 0 &	--	--	--	<1 0	--	--	<1.1 &	--	--
ACENAPHTHYLENE	UG/L	--	--	--	<2.1	--	--	<1 0	--	--	--	<1 0	--	--	<1.1	--	--
ANTHRACENE	UG/L	--	--	--	<1 6	--	--	<0 77 &	--	--	--	<0 77	--	--	<0 86 &	--	--
BENZO(A)ANTHRACENE	UG/L	--	--	--	<2 5	--	--	<1 2	--	--	--	<1 2	--	--	<1 3	--	--
BENZO(A)PYRENE	UG/L	--	--	--	<2 0	--	--	<0.97	--	--	--	<0 97	--	--	<1 1	--	--
BENZO(B)FLUORANTHENE	UG/L	--	--	--	<1 9	--	--	<0 92 &	--	--	--	<0 92	--	--	<1 0 &	--	--
BENZO(G,H,I)PERYLENE	UG/L	--	--	--	<3 9	--	--	<1.9	--	--	--	<1 9	--	--	<2.1	--	--
BENZO(K)FLUORANTHENE	UG/L	--	--	--	<2 3	--	--	<1.1	--	--	--	<1 1	--	--	<1 2	--	--
BIS(2-CHLOROETHOXY)METHANE	UG/L	--	--	--	<1 6	--	--	<0 76	--	--	--	<0 76	--	--	<0 85	--	--
BIS(2-CHLOROETHYL)ETHER	UG/L	--	--	--	<1 5	--	--	<0.73	--	--	--	<0 73	--	--	<0 81	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	--	--	--	97	--	--	<1 0 &	--	--	--	<1 0	--	--	<1 1 &	--	--
BUTYLBENZYLPHTHALATE	UG/L	--	--	--	<2 4	--	--	<1 2 &	--	--	--	<1 2	--	--	<1 3 &	--	--
CARBAZOLE	UG/L	--	--	--	<2 0	--	--	<0 96	--	--	--	<0 96	--	--	<1 1	--	--
CHRYSENE	UG/L	--	--	--	<3 3	--	--	<1 6	--	--	--	<1 6	--	--	<1.7	--	--
DIBENZ(A,H)ANTHRACENE	UG/L	--	--	--	<3 8	--	--	<1 8 &	--	--	--	<1 8	--	--	<2 0 &	--	--
DIBENZOFURAN	UG/L	--	--	--	<1.7	--	--	<0 79	--	--	--	<0 79	--	--	<0 88	--	--
DIETHYLPHTHALATE	UG/L	--	--	--	<2 0	--	--	<0 96	--	--	--	<0 96	--	--	<1 1	--	--
DIMETHYLPHTHALATE	UG/L	--	--	--	<1 7	--	--	<0 80	--	--	--	<0 80	--	--	<0 89	--	--
DI-N-BUTYLPHTHALATE	UG/L	--	--	--	<1 9	--	--	<0 92	--	--	--	<0 92	--	--	<1 0	--	--
DI-N-OCTYLPHTHALATE	UG/L	--	--	--	<2 8	--	--	<1 4	--	--	--	<1 4	--	--	<1 5	--	--
FLUORANTHENE	UG/L	--	--	--	<2 7	--	--	<1 3	--	--	--	<1 3	--	--	<1.4	--	--
FLUORENE	UG/L	--	--	--	<1 7	--	--	<0 83	--	--	--	<0 83	--	--	<0 92	--	--
HEXACHLOROBENZENE	UG/L	--	--	--	<1 7	--	--	<0 82	--	--	--	<0 82	--	--	<0 91	--	--
HEXACHLOROBUTADIENE	UG/L	--	--	--	<5 5	--	--	<2 6	--	--	--	<2.6	--	--	<2 9	--	--
HEXACHLOROCYCLOPENTADIENE	UG/L	--	--	--	<2 2 *	--	--	<1.1	--	--	--	<1.1	--	--	<1 2	--	--
HEXACHLOROETHANE	UG/L	--	--	--	<4.4	--	--	<2 1	--	--	--	<2.1	--	--	<2 3	--	--
INDENO(1,2,3-CD)PYRENE	UG/L	--	--	--	<1 3	--	--	<0 62	--	--	--	<0 62	--	--	<0.68	--	--
ISOPHORONE	UG/L	--	--	--	<1.3	--	--	<0 62	--	--	--	<0 62	--	--	<0 69	--	--

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Table B2
Sentinel Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-210I 9/25/06	RM-210I 12/19/06	RM-210I 4/16/07	RM-210I 7/24/07	RM-210I 10/23/07	RM-210I 1/9/08	RM-211D 7/13/06	RM-211D 9/26/06	RM-211D 12/19/06	RM-211D 4/16/07	RM-211D 7/26/07	RM-211D 10/25/07	RM-211D 12/26/07	RM-212D 7/12/06	RM-212D 9/26/06	RM-212D 12/14/06
SEMIVOLATILE ORGANICS (cont'd)																	
NAPHTHALENE	UG/L	--	--		<2 8	--	--	<1 3	--	--	--	<1 3	--	--	<1 5	--	--
NITROBENZENE	UG/L	--	--		<1 6	--	--	<0.77	--	--	--	<0 77	--	--	<0 86	--	--
N-NITROSODI-N-PROPYLAMINE	UG/L	--	--		<1 3	--	--	<0 60	--	--	--	<0 60	--	--	<0 67	--	--
N-NITROSODIPHENYLAMINE	UG/L	--	--		<8 9	--	--	<4 2	--	--	--	<4 2	--	--	<4 7	--	--
PENTACHLOROPHENOL	UG/L	--	--		<2 0	--	--	<0.97	--	--	--	<0 97	--	--	<1 1	--	--
PHENANTHRENE	UG/L	--	--		<1 4	--	--	<0 68 &	--	--	--	<0 68	--	--	<0 76 &	--	--
PHENOL	UG/L	--	--		<1 2	--	--	<0.56	--	--	--	<0 56	--	--	<0 62	--	--
PYRENE	UG/L	--	--		<1 9	--	--	<0 90	--	--	--	<0 90	--	--	<1 0	--	--
PESTICIDES AND PCBs																	
4,4'-DDD	UG/L	--	--		<0 024	--	--	<0 014	--	--	--	<0 021	--	--	<0 017	--	--
4,4'-DDE	UG/L	--	--		<0 025	--	--	<0 012	--	--	--	<0 022	--	--	<0 015	--	--
4,4'-DDT	UG/L	--	--		<0 028	--	--	<0 014	--	--	--	<0 025	--	--	<0 017	--	--
ALDRIN	UG/L	--	--		<0 012	--	--	<0 0072	--	--	--	<0 011	--	--	<0 0089	--	--
ALPHA-BHC	UG/L	--	--		<0 0065	--	--	<0 0052	--	--	--	<0 0058	--	--	<0 0064	--	--
ALPHA-CHLORDANE	UG/L	--	--		<0 011	--	--	<0 0062	--	--	--	<0 0097	--	--	<0 0076	--	--
AROCLOR-1016	UG/L	--	--		<0 26	--	--	<0 27	--	--	--	<0 23	--	--	<0 32	--	--
AROCLOR-1221	UG/L	--	--		<0 26	--	--	<0.27	--	--	--	<0 23	--	--	<0 32	--	--
AROCLOR-1232	UG/L	--	--		<0 26	--	--	<0.27	--	--	--	<0 23	--	--	<0 32	--	--
AROCLOR-1242	UG/L	--	--		<0 26	--	--	<0 27	--	--	--	<0 23	--	--	<0.32	--	--
AROCLOR-1248	UG/L	--	--		<0 26	--	--	<0 27	--	--	--	<0 23	--	--	<0 32	--	--
AROCLOR-1254	UG/L	--	--		<0 26	--	--	<0 27	--	--	--	<0 23	--	--	<0 32	--	--
AROCLOR-1260	UG/L	--	--		<0 26	--	--	<0 27	--	--	--	<0 23	--	--	<0 32	--	--
BETA-BHC	UG/L	--	--		<0 014	--	--	<0 0055	--	--	--	<0 012	--	--	<0 0068	--	--
DELTA-BHC	UG/L	--	--		<0 0099	--	--	<0 0057	--	--	--	<0 0088	--	--	<0 0070	--	--
DIELDRIN	UG/L	--	--		<0 019 &	--	--	<0 013	--	--	--	<0 017	--	--	<0 016	--	--
ENDOSULFAN I	UG/L	--	--		<0 012 &	--	--	<0 0057	--	--	--	<0 010	--	--	<0 0070	--	--
ENDOSULFAN II	UG/L	--	--		<0 025 &	--	--	<0 0096	--	--	--	<0 022	--	--	<0 012	--	--
ENDOSULFAN SULFATE	UG/L	--	--		<0 018	--	--	<0 013	--	--	--	<0 016	--	--	<0 016	--	--
ENDRIN	UG/L	--	--		<0 026 &	--	--	<0 0092	--	--	--	<0 023	--	--	<0 011	--	--
ENDRIN ALDEHYDE	UG/L	--	--		<0 020 &	--	--	<0 011	--	--	--	<0 018	--	--	<0 013	--	--
ENDRIN KETONE	UG/L	--	--		<0 017	--	--	<0 0097	--	--	--	<0 015	--	--	<0 012	--	--
GAMMA-BHC (LINDANE)	UG/L	--	--		<0 0086	--	--	<0 0056	--	--	--	<0 0076	--	--	<0 0069	--	--
GAMMA-CHLORDANE	UG/L	--	--		<0 014	--	--	<0 0055	--	--	--	<0 012	--	--	<0 0068	--	--
HEPTACHLOR	UG/L	--	--		<0 0096	--	--	<0 0067	--	--	--	<0 0085	--	--	<0 0082	--	--
HEPTACHLOR EPOXIDE	UG/L	--	--		<0 0090	--	--	<0.0061	--	--	--	<0 0080	--	--	<0 0075	--	--
METHOXYCHLOR	UG/L	--	--		<0 095 &	--	--	<0 068	--	--	--	<0 084	--	--	<0 084	--	--
TOXAPHENE	UG/L	--	--		<0 53	--	--	<0 50	--	--	--	<0 47	--	--	<0 62	--	--

Notes

Baseline MNA monitoring was conducted in July 2006

Laboratory and data validation qualifier key in Table B5.

"--" = not analyzed

NR = not recorded.

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Table B2
Sentinel Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-212D 4/10/07	RM-212D 7/30/07	RM-212D DUP 7/30/07	RM-212D 10/25/07	RM-212D 12/26/07	RM-212D DUP 12/26/07	RM-212I 7/12/06	RM-212I 7/18/06	RM-212I 9/26/06	RM-212I 12/14/06	RM-212I DUP 12/14/06	RM-212I 4/10/07	RM-212I 7/30/07	RM-212I 10/25/07	RM-212I 12/26/07
FIELD PARAMETERS																
ALKALINITY, FIELD	MG/L	2350	232	--	196	250	--	494	--	336	1428	--	2788	326	266	278
CARBON DIOXIDE, FIELD	MG/L	186	118	--	142	174	--	186	--	210	216	--	150	140	132	184
CONDUCTANCE, SPECIFIC	UMHOS/CM	920	644	--	612	605	--	830	--	839	848	--	878	900	831	786
DISSOLVED OXYGEN, FIELD	MG/L	2.20	0 33	--	0 26	2 34	--	0 48	--	2 25	5 73	--	3 50	6 39	0 44	4 89
EH, FIELD	MV	315	176	--	131	143	--	233	--	146	318	--	313	330	240	279
FERROUS IRON, FIELD	MG/L	0	0	--	0	0	--	<0 2	--	0	0	--	0	0	0	0
PH, FIELD	SU	7 24	7 46	--	7.55	7 74	--	7 12	--	7.26	7 34	--	7 39	7 35	7 42	7 75
TEMPERATURE	DEG C	8 4	12 2	--	10	9 0	--	10.9	--	11 0	9	--	8 8	11 2	10 5	9 5
TURBIDITY, FIELD	NTU	80	10	--	47	6	--	5	--	8	12	--	4	11	4	4
INDICATOR PARAMETERS																
ALKALINITY AS CACO3, TOTAL	MG/L	440	320	320	330	320	320	410 Nj	--	400	410	410	420	420	410	360 Nj
CHLORIDE, TOTAL	MG/L	23	10	10	8 2 u	8 8 u	8 6 u	20 A	--	18 A	<0 82	18 A	20	23	18 u	18
ETHANE	UG/L	<10	<10	<10	<10	<10	<10	<10	--	<10	<10	<10	<10	<10	<10	<10
ETHENE	UG/L	<10	<10	<10	<10	<10	<10	<10	--	<10	<10	<10	<10	<10	<10	<10
METHANE	UG/L	<10	<10	<10	<10	<10	<10	<10	--	<10	<10	<10	<10	<10	<10	<10
NITROGEN, NITRATE, TOTAL	MG/L	0 29	<0 085	<0 085	<0 085	<0 085	<0 085	--	0 65 N	0 15 Q	<0 088	0 32 QCHhj	0 67	0 61	<0 085	<0 085
NITROGEN, NITRITE, TOTAL	MG/L	<0 036 N	<0 036	<0 036	<0 036	<0 036	<0 036	--	<0.040	<0 040	<0 20 CHhj	<0.080 CH	<0 036	<0 036	<0 036	<0 036 Nj
PH, LABORATORY	SU	7 2 HF	7 5 HF	7 6 HF	7 4 HF	7 3 HF	7 3 HF	7 6 HF	--	7 2 HF	7 4 HF	7 3 HF	7 4 HF	7.3 HF	7 4 HF	7 4 HF
SULFATE, TOTAL	MG/L	65 N	29	29	23	24	24	57	--	53	<0 77	50	60	66	57	54 Nj
TOTAL INORGANIC CARBON	MG/L	100	75	76	73	82	80	98	--	100	95	97	95	98	89	110
TOTAL ORGANIC CARBON AS NPOC	MG/L	<1 4	<1 4	<1 4	<1 4	<1 4	1 6 Q	<0 72 A	--	1 6 Q	<0 72	0 90 Q	<1 4	<1 4	<1 4	<1 4
METALS																
ALUMINUM, DISSOLVED	UG/L	<6 3	7 4 Qu	7 0 Qu	8 5 Qu	7 9 QAu	5 7 QAu	<40	--	<6 3	6 6 Q	<6 3	<6 3	<4 4	7.1 Qu	<4 4
ANTIMONY, DISSOLVED	UG/L	<0 24	0 21 Qu	0 22 Qu	<0 10	0 35 u	0 11 Qu	<0 40	--	<0 24	<0 24	<0 24	<0 24	0 13 Qu	0 17 Q	0 20 Qu
ARSENIC, DISSOLVED	UG/L	0 71	1 6 Au	1 8 Au	0 92 A	1 3	1 1	0 63 Q	--	0 40 Qu	0 78	0 43	0 31 Q	0 33 Au	0 27 QA	0 46 u
BARIUM, DISSOLVED	UG/L	110	77	79	74	76	71	66	--	65	75	77	73	72	79	74
BERYLLIUM, DISSOLVED	UG/L	<0 10	0 090 Qu	0 16 Qu	<0 070	0.12 Qu	<0 070	<0 40	--	<0 10	<0 10	<0 10	<0 10	<0.070	<0 070	<0 070
CADMIUM, DISSOLVED	UG/L	<0 12	0 12 Qu	0 18 Qu	<0 097	0 18 Qu	<0 097	<0 40	--	0 17 Qu	<0 12	<0 12	<0 12	<0 097	<0 097	<0 097
CALCIUM, DISSOLVED	UG/L	98000	69000	71000	60000	65000	67000	93000	--	80000	88000	89000	91000	97000	88000	89000
CHROMIUM, DISSOLVED	UG/L	<0 32	<0 43	<0 43	<0 43	<0 43	<0 43	1 4 Au	--	0 99 Qu	0 72 Qu	0 62 Q	2 1	3 2	0 74 Q	0 86 QAu
COBALT, DISSOLVED	UG/L	0 55 A	2 0	1.4 u	1 8 u	0 55 u	1 4 u	1 9	--	0 31	0 58 u	0 37 u	0 86	1 9	2 4 u	2 2 u
COPPER, DISSOLVED	UG/L	1 0 Q	2.0 AXu	2 8 AXu	0 38 QAu	1 2 u	0 87 u	<2 0	--	1.9	1.6	1 6 u	1 4 Q	2 2 AXu	1 0 Au	1 4 u
IRON, DISSOLVED	UG/L	320	270	280	120 A	880 Ej	840	270	--	160	160	170	300	280	130 A	1000
LEAD, DISSOLVED	UG/L	<0 049	0 080 Qu	0.11 Qu	<0 044	0 12 Qau	0 060 QAu	<0 40	--	0.080 Qu	0 14 Qu	0 12 Qu	0.050 Q	0.060 Qu	0 090 Qu	0 090 QAu
MAGNESIUM, DISSOLVED	UG/L	60000	43000	44000	34000	37000	39000	57000	--	47000	51000	54000	55000	58000	48000	53000
MANGANESE, DISSOLVED	UG/L	39	33	32	29	22 1u	21 1u	41	--	46	65	66	23	15	9 7 u	77 Nj
MANGANESE, TOTAL	UG/L	57	44	44	69	19	18	72	--	100	82	80	33	32	51	230
MERCURY, DISSOLVED	UG/L	<0 072	<0 10 A	<0.10 A	<0 10	<0 10	<0 10	<0 072	--	<0 072	<0 072	<0 072	<0 072	<0 10 A	<0 10	<0 10
NICKEL, DISSOLVED	UG/L	11	4 7	5 0	4.1	6 2 Ej	5 6	5 1	--	3 7	3 9	4 3	3 9	3 6	2 7	4.9
POTASSIUM, DISSOLVED	UG/L	1600	1400	1400	1300	1200 Ej	1100	1500	--	1600	1800	1900	1500	1500	1900	1600
SELENIUM, DISSOLVED	UG/L	<0 67	0 40 QAu	0.44 QAu	<0 15 A	0 83 u	0 27 Qu	<4 0	--	<0 67	<0 67	<0 67	<0 67	0 44 QAu	0 31 QA	0 59 u
SILVER, DISSOLVED	UG/L	<0 034	<0 11	0 19 Qu	<0 11	0 40 u	0 14 Qu	<0 40	--	<0.034	0 080 Q	<0 034	<0 034	<0.11	<0 11	<0.11
SODIUM, DISSOLVED	UG/L	8000	5700	5900	5000	5600 Ej	5200	11000	--	10000	11000	11000	9900	9400	10000	12000 Nj
THALLIUM, DISSOLVED	UG/L	<0 053	0 050 Qu	0.060 Qu	<0 030	0 090 Qu	<0 030	<0 40	--	<0 053	0 090 Q	<0 053	<0 053	<0 030	<0 030	0 030 Qu
VANADIUM, DISSOLVED	UG/L	0 93	0 48 Q	0 53 Q	0.93 Q	0 51 Qu	<0 41	<1 2	--	0.76	1 0	0 93	0 88	0 76 Qu	1 2 Q	0 56 Qu
ZINC, DISSOLVED	UG/L	4 3 A	4 5 QAu	2 8 QAu	4 9 QAu	4 7 QAu	5 2 QAu	4 3 QA	--	9 2 Au	10 Au	15 A	5 8 A	4 2 QAu	5 8 QAu	7 8 Au

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Table B2
Sentinel Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-212D 4/10/07	RM-212D 7/30/07	RM-212D DUP 7/30/07	RM-212D 10/25/07	RM-212D 12/26/07	RM-212D DUP 12/26/07	RM-212I 7/12/06	RM-212I 7/18/06	RM-212I 9/26/06	RM-212I 12/14/06	RM-212I DUP 12/14/06	RM-212I 4/10/07	RM-212I 7/30/07	RM-212I 10/25/07	RM-212I 12/26/07
VOLATILE ORGANICS																
1,1,1-TRICHLOROETHANE	UG/L	<0.90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	--	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0.20	<0 20	<0 20	<0 20	<0 20	--	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	--	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42
1,1-DICHLOROETHANE	UG/L	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	--	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75
1,1-DICHLOROETHENE	UG/L	<0.57	<0 57	<0.57	<0 57	<0 57	<0 57	<0 57	--	<0 57	<0 57	<0.57	<0 57	<0 57	<0.57	<0 57
1,2-DICHLOROETHANE	UG/L	<0.36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	--	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	--	--	--	--	--	--	<1 4	--	<1 4	<1 4	<1 4	--	--	--	--
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	--	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3	<4 3	<4 3	<4 3 *&	<4 3	<4 3	<4 3	--	<4 3	<4 3	<4.3	<4 3	<4 3	<4 3 *&	<4 3
2-HEXANONE	UG/L	<1 1	<1 1	<1 1	<1 1 *&	<1 1	<1 1	<1 1	--	<1 1	<1 1	<1.1	<1.1	<1 1	<1 1 *&	<1 1
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2	<1.2	<1 2	<1.2	<1 2	<1 2	--	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2
ACETONE	UG/L	<2 3	<2 2	<2 2	<2 2 *&	<2 2	<2 2	<2 3	--	<2 3	<2 3	<2 3	<2 3	<2 2	<2 2 *&	<2 2
BENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	--	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	--	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94	<0 94	<0.94	<0 94	<0 94	<0 94	<0 94	--	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91	<0 91	<0 91	<0.91	<0 91	<0 91	--	<0 91	<0 91 &	<0 91 &	<0 91	<0 91	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66	<0.66	<0 66	<0 66	--	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	--	<0 49	<0 49	<0 49	<0 49	<0 49	<0.49	<0 49
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0.41	<0 41	<0 41	--	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0.81	<0 81	<0 81	<0 81	<0 81	--	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	--	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0.37	<0 37	<0 37	<0 37	--	<0 37	<0.37	<0 37	<0 37	<0 37	<0 37	<0 37
CHLOROMETHANE	UG/L	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24	--	<0 24	<0.24	<0 24	<0 24	<0 24	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	--	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	--	<0 19	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	--	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0 43	0 55 Qu	<0 43	<0 43	--	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	0 50 Qu
STYRENE	UG/L	<0 86	<0.86	<0 86	<0 86	<0 86	<0 86	<0 86	--	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45	1 7 Xu	--	<0 45	<0.45	<0.45	<0 45	<0 45	<0 45	<0 45
TOLUENE	UG/L	<0 67	<0 67	<0 67	<0.67	<0 67	<0 67	<0 67	--	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	--	<0.89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	--	<0 19	<0.19	<0.19	<0 19	<0 19	<0 19	<0 19
TRICHLOROETHENE	UG/L	<0 48	<0 48	<0 48	<0 48	<0.48	<0 48	<0 48	--	<0.48	<0 48	<0 48	<0 48	<0.48	<0 48	<0 48
VINYL CHLORIDE	UG/L	<0 18	<0.18	<0 18	<0.18	<0.18	<0 18	<0 18	--	<0 18	<0 18	<0.18	<0 18	<0.18	<0 18	<0 18
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	--	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6
SEMIVOLATILE ORGANICS																
1,2,4-TRICHLOROBENZENE	UG/L	--	<1.9	<2.0	--	--	--	<2 0	--	--	--	--	--	<1 9	--	--
1,2-DICHLOROBENZENE	UG/L	--	<1 8	<1 9	--	--	--	<1 9	--	--	--	--	--	<1.9	--	--
1,3-DICHLOROBENZENE	UG/L	--	<1 9	<2 0	--	--	--	<2.0	--	--	--	--	--	<1 9	--	--
1,4-DICHLOROBENZENE	UG/L	--	<1 9	<2 0	--	--	--	<2 0	--	--	--	--	--	<1 9	--	--
2,2'-OXYBIS(1-CHLOROPROPANE)	UG/L	--	<0 61	<0 64	--	--	--	<0 64	--	--	--	--	--	<0 62	--	--
2,4,5-TRICHLOROPHENOL	UG/L	--	<1 2	<1 2	--	--	--	<1 3	--	--	--	--	--	<1 2	--	--
2,4,6-TRICHLOROPHENOL	UG/L	--	<0 87	<0 91	--	--	--	<0 92	--	--	--	--	--	<0 89	--	--
2,4-DICHLOROPHENOL	UG/L	--	<0 87	<0 91	--	--	--	<0 91	--	--	--	--	--	<0 88	--	--
2,4-DIMETHYLPHENOL	UG/L	--	<0 72	<0 76	--	--	--	<0.76	--	--	--	--	--	<0 74	--	--
2,4-DINITROPHENOL	UG/L	--	<2 3	<2.4	--	--	--	<2 4	--	--	--	--	--	<2 3	--	--

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Table B2
Sentinel Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-212D 4/10/07	RM-212D 7/30/07	RM-212D DUP 7/30/07	RM-212D 10/25/07	RM-212D 12/26/07	RM-212D DUP 12/26/07	RM-212I 7/12/06	RM-212I 7/18/06	RM-212I 9/26/06	RM-212I 12/14/06	RM-212I DUP 12/14/06	RM-212I 4/10/07	RM-212I 7/30/07	RM-212I 10/25/07	RM-212I 12/26/07
SEMIVOLATILE ORGANICS (cont'd)																
2,4-DINITROTOLUENE	UG/L	--	<0 93	<0 98	--	--	--	<0 98	--	--	--	--	--	<0 95	--	--
2,6-DINITROTOLUENE	UG/L	--	<0 67	<0 70	--	--	--	<0 70	--	--	--	--	--	<0 68	--	--
2-CHLORONAPHTHALENE	UG/L	--	<1.2	<1 3	--	--	--	<1 3	--	--	--	--	--	<1 3	--	--
2-CHLOROPHENOL	UG/L	--	<0 85	<0 89	--	--	--	<0 89	--	--	--	--	--	<0 86	--	--
2-METHYLNAPHTHALENE	UG/L	--	<1 5	<1 6	--	--	--	<1 6	--	--	--	--	--	<1 5	--	--
2-METHYLPHENOL	UG/L	--	<0.73	<0 76	--	--	--	<0 77	--	--	--	--	--	<0 74	--	--
2-NITROANILINE	UG/L	--	<0 65	<0 68	--	--	--	<0 69	--	--	--	--	--	<0 66	--	--
2-NITROPHENOL	UG/L	--	<0.98	<1 0	--	--	--	<1 0	--	--	--	--	--	<1 0	--	--
3,3'-DICHLOROBENZIDINE	UG/L	--	<1 4	<1 4	--	--	--	<1 4	--	--	--	--	--	<1 4	--	--
3-NITROANILINE	UG/L	--	<0 82	<0 86	--	--	--	<0 87	--	--	--	--	--	<0 84	--	--
4,6-DINITRO-2-METHYLPHENOL	UG/L	--	<0 97	<1 0	--	--	--	<1 0	--	--	--	--	--	<0 99	--	--
4-BROMOPHENYL-PHENYLETHER	UG/L	--	<0 80	<0 84	--	--	--	<0 84	--	--	--	--	--	<0 81	--	--
4-CHLORO-3-METHYLPHENOL	UG/L	--	<0 90	<0 95	--	--	--	<0 95	--	--	--	--	--	<0.92	--	--
4-CHLOROANILINE	UG/L	--	<0 98	<1 0	--	--	--	<1 0	--	--	--	--	--	<1 0	--	--
4-CHLOROPHENYL-PHENYLETHER	UG/L	--	<0 93	<0 98	--	--	--	<0 98 &	--	--	--	--	--	<0 95	--	--
4-METHYLPHENOL	UG/L	--	<0 71	<0 74	--	--	--	<0 75	--	--	--	--	--	<0 72	--	--
4-NITROANILINE	UG/L	--	<0.68	<0 72	--	--	--	<0 72	--	--	--	--	--	<0 70	--	--
4-NITROPHENOL	UG/L	--	<0 92	<0 97	--	--	--	<0 97	--	--	--	--	--	<0 94	--	--
ACENAPHTHENE	UG/L	--	<1 0	<1 1	--	--	--	<1 1 &	--	--	--	--	--	<1 0	--	--
ACENAPHTHYLENE	UG/L	--	<1 0	<1 1	--	--	--	<1 1	--	--	--	--	--	<1 0	--	--
ANTHRACENE	UG/L	--	<0 77	<0 81	--	--	--	<0 81 &	--	--	--	--	--	<0 79	--	--
BENZO(A)ANTHRACENE	UG/L	--	<1 2	<1 2	--	--	--	<1 2	--	--	--	--	--	<1 2	--	--
BENZO(A)PYRENE	UG/L	--	<0 97	<1 0	--	--	--	<1 0	--	--	--	--	--	<0 99	--	--
BENZO(B)FLUORANTHENE	UG/L	--	<0 92	<0 96	--	--	--	<0 97 &	--	--	--	--	--	<0 94	--	--
BENZO(G,H,I)PERYLENE	UG/L	--	<1 9	<1 9	--	--	--	<2 0	--	--	--	--	--	<1 9	--	--
BENZO(K)FLUORANTHENE	UG/L	--	<1 1	<1 1	--	--	--	<1.1	--	--	--	--	--	<1 1	--	--
BIS(2-CHLOROETHOXY)METHANE	UG/L	--	<0 76	<0 80	--	--	--	<0 80	--	--	--	--	--	<0 78	--	--
BIS(2-CHLOROETHYL)ETHER	UG/L	--	<0.73	<0 76	--	--	--	<0 77	--	--	--	--	--	<0 74	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	--	46	67	--	--	--	<1 1 &	--	--	--	--	--	92	--	--
BUTYLBENZYLPHTHALATE	UG/L	--	<1 2	<1 2	--	--	--	<1.2 &	--	--	--	--	--	<1 2	--	--
CARBAZOLE	UG/L	--	<0 96	<1 0	--	--	--	<1 0	--	--	--	--	--	<0 98	--	--
CHRYSENE	UG/L	--	<1 6	<1 6	--	--	--	<1 6	--	--	--	--	--	<1 6	--	--
DIBENZ(A,H)ANTHRACENE	UG/L	--	<1 8	<1 9	--	--	--	<1 9 &	--	--	--	--	--	<1 9	--	--
DIBENZOFURAN	UG/L	--	<0.79	<0 83	--	--	--	<0 84	--	--	--	--	--	<0 81	--	--
DIETHYLPHTHALATE	UG/L	--	<0.96	<1 0	--	--	--	<1 0	--	--	--	--	--	<0 98	--	--
DIMETHYLPHTHALATE	UG/L	--	<0 80	<0 84	--	--	--	<0 84	--	--	--	--	--	<0 81	--	--
DI-N-BUTYLPHTHALATE	UG/L	--	<0 92	<0 97	--	--	--	<0 98	--	--	--	--	--	<0 94	--	--
DI-N-OCTYLPHTHALATE	UG/L	--	<1 4	<1 4	--	--	--	<1.4	--	--	--	--	--	<1 4	--	--
FLUORANTHENE	UG/L	--	<1 3	<1 3	--	--	--	<1 3	--	--	--	--	--	<1.3	--	--
FLUORENE	UG/L	--	<0 83	<0 87	--	--	--	<0 88	--	--	--	--	--	<0 85	--	--
HEXACHLOROBENZENE	UG/L	--	<0 82	<0 86	--	--	--	<0 87	--	--	--	--	--	<0 84	--	--
HEXACHLOROBUTADIENE	UG/L	--	<2.6	<2 7	--	--	--	<2 8	--	--	--	--	--	<2 7	--	--
HEXACHLOROCYCLOPENTADIENE	UG/L	--	<1 1	<1 1	--	--	--	<1 1	--	--	--	--	--	<1.1	--	--
HEXACHLOROETHANE	UG/L	--	<2 1	<2 2	--	--	--	<2 2	--	--	--	--	--	<2 1	--	--
INDENO(1,2,3-CD)PYRENE	UG/L	--	<0 62	<0 65	--	--	--	<0 65	--	--	--	--	--	<0 63	--	--
ISOPHORONE	UG/L	--	<0 62	<0 65	--	--	--	<0 65	--	--	--	--	--	<0 63	--	--

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Table B2
Sentinel Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	RM-212D 4/10/07	RM-212D 7/30/07	RM-212D DUP 7/30/07	RM-212D 10/25/07	RM-212D 12/26/07	RM-212D DUP 12/26/07	RM-212I 7/12/06	RM-212I 7/18/06	RM-212I 9/26/06	RM-212I 12/14/06	RM-212I DUP 12/14/06	RM-212I 4/10/07	RM-212I 7/30/07	RM-212I 10/25/07	RM-212I 12/26/07
SEMIVOLATILE ORGANICS (cont'd)																
NAPHTHALENE	UG/L	--	<1 3	<1 4	--	--	--	<1 4	--	--	--	--	--	<1 3	--	--
NITROBENZENE	UG/L	--	<0 77	<0 81	--	--	--	<0 82	--	--	--	--	--	<0 79	--	--
N-NITROSODI-N-PROPYLAMINE	UG/L	--	<0 60	<0 63	--	--	--	<0 64	--	--	--	--	--	<0 62	--	--
N-NITROSODIPHENYLAMINE	UG/L	--	<4 2	<4 5	--	--	--	<4 5	--	--	--	--	--	<4 3	--	--
PENTACHLOROPHENOL	UG/L	--	<0 97	<1 0	--	--	--	<1 0	--	--	--	--	--	<0 99	--	--
PHENANTHRENE	UG/L	--	<0.68	<0 72	--	--	--	<0.72 &	--	--	--	--	--	<0 70	--	--
PHENOL	UG/L	--	<0 56	<0 59	--	--	--	<0 59	--	--	--	--	--	<0.57	--	--
PYRENE	UG/L	--	<0 90	<0 94	--	--	--	<0 95	--	--	--	--	--	<0 92	--	--
PESTICIDES AND PCBs																
4,4'-DDD	UG/L	--	<0 021	<0 023	--	--	--	<0 013	--	--	--	--	--	<0 024	--	--
4,4'-DDE	UG/L	--	<0 022	<0 023	--	--	--	<0 011	--	--	--	--	--	<0 024	--	--
4,4'-DDT	UG/L	--	<0 025	<0 027	--	--	--	<0 013	--	--	--	--	--	<0 028	--	--
ALDRIN	UG/L	--	<0 011	<0 012	--	--	--	<0 0066	--	--	--	--	--	<0.012	--	--
ALPHA-BHC	UG/L	--	<0 0058	<0 0062	--	--	--	<0 0048	--	--	--	--	--	<0 0065	--	--
ALPHA-CHLORDANE	UG/L	--	<0 0097	<0 010	--	--	--	<0 0057	--	--	--	--	--	<0 011	--	--
AROCLOR-1016	UG/L	--	<0 23	<0 24	--	--	--	<0 24	--	--	--	--	--	<0 25	--	--
AROCLOR-1221	UG/L	--	<0 23	<0 24	--	--	--	<0 24	--	--	--	--	--	<0 25	--	--
AROCLOR-1232	UG/L	--	<0 23	<0 24	--	--	--	<0 24	--	--	--	--	--	<0 25	--	--
AROCLOR-1242	UG/L	--	<0 23	<0 24	--	--	--	<0 24	--	--	--	--	--	<0 25	--	--
AROCLOR-1248	UG/L	--	<0 23	<0 24	--	--	--	<0 24	--	--	--	--	--	<0 25	--	--
AROCLOR-1254	UG/L	--	<0 23	<0 24	--	--	--	<0 24	--	--	--	--	--	<0 25	--	--
AROCLOR-1260	UG/L	--	<0 23	<0 24	--	--	--	<0 24	--	--	--	--	--	<0 25	--	--
BETA-BHC	UG/L	--	<0 012	<0 013	--	--	--	<0 0050	--	--	--	--	--	<0 014	--	--
DELTA-BHC	UG/L	--	<0 0088	<0 0094	--	--	--	<0 0052	--	--	--	--	--	<0 0098	--	--
DIELDRIN	UG/L	--	<0 017	<0 018	--	--	--	<0 012	--	--	--	--	--	<0 019	--	--
ENDOSULFAN I	UG/L	--	<0 010	<0 011	--	--	--	<0 0052	--	--	--	--	--	<0 012	--	--
ENDOSULFAN II	UG/L	--	<0 022	<0 023	--	--	--	<0 0088	--	--	--	--	--	<0 024	--	--
ENDOSULFAN SULFATE	UG/L	--	<0 016	<0 017	--	--	--	<0 012	--	--	--	--	--	<0 017	--	--
ENDRIN	UG/L	--	<0 023	<0 024	--	--	--	<0 0084	--	--	--	--	--	<0 025	--	--
ENDRIN ALDEHYDE	UG/L	--	<0 018	<0 019	--	--	--	<0 010	--	--	--	--	--	<0 020	--	--
ENDRIN KETONE	UG/L	--	<0 015	<0 016	--	--	--	<0 0089	--	--	--	--	--	<0 017	--	--
GAMMA-BHC (LINDANE)	UG/L	--	<0 0076	<0 0081	--	--	--	<0 0051	--	--	--	--	--	<0 0085	--	--
GAMMA-CHLORDANE	UG/L	--	<0 012	<0 013	--	--	--	<0 0050	--	--	--	--	--	<0 013	--	--
HEPTACHLOR	UG/L	--	<0 0085	<0 0091	--	--	--	<0 0062	--	--	--	--	--	<0 0095	--	--
HEPTACHLOR EPOXIDE	UG/L	--	<0 0080	<0 0085	--	--	--	<0 0056	--	--	--	--	--	<0 0089	--	--
METHOXYCHLOR	UG/L	--	<0 084	<0 090	--	--	--	<0.063	--	--	--	--	--	<0 094	--	--
TOXAPHENE	UG/L	--	<0 47	<0 50	--	--	--	<0 46	--	--	--	--	--	<0 52	--	--

Notes·

Baseline MNA monitoring was conducted in July 2006.

Laboratory and data validation qualifier key in Table B5

"--" = not analyzed.

NR = not recorded

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Table B3
Residential Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	GR-08 7/27/06	GR-08 9/13/06	GR-08 12/11/06	GR-08 3/16/07	GR-08 6/21/07	GR-08 9/20/07	GR-09 7/27/06	GR-09 9/13/06	GR-09 12/12/06	GR-09 3/16/07	GR-09 6/23/07	GR-09 9/24/07	GR-10 7/27/06	GR-10 9/13/06	GR-10 12/11/06
FIELD PARAMETERS																
CONDUCTANCE, SPECIFIC	UMHOS/CM	490	553	546	548	548	550	483	538	491	405	493	483	730	834	831
PH, FIELD	SU	7 62	7 37	7 30	7 38	7.57	7 65	7.54	7.31	7 82	7 60	8 08	8 04	7 53	7 42	7 37
TEMPERATURE	DEG C	12	11	9	8	11	11	12	12	8	6	11	11	12	11	9
TURBIDITY, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	SLIGHT	NONE	NONE
VOLATILE ORGANICS																
1,1,1-TRICHLOROETHANE	UG/L	<0 90	<0 90 M	<0 90 M	<0 90	<0 90	<0 90 &	<0 90	<0 90 M	<0 90 M	<0 90	<0 90	<0 90	<0 90	<0 90 M	<0 90 M
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20 M	<0 20 M	<0 20	<0 20	<0 20	<0 20	<0 20 M	<0 20 M	<0 20	<0 20	<0 20	<0 20	<0 20 M	<0 20 M
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42 M	<0.42 M	<0 42	<0 42	<0 42	<0 42	<0 42 M	<0 42 M	<0.42	<0 42	<0 42	<0 42	<0 42 M	<0 42 M
1,1-DICHLOROETHANE	UG/L	<0 75	<0 75 M	<0 75 M	<0 75	<0 75	<0 75	<0 75	<0 75 M	<0 75 M	<0 75	<0 75	<0 75	<0 75	<0 75 M	<0 75 M
1,1-DICHLOROETHENE	UG/L	<0 57	<0 57 M	<0 57 M	<0 57	<0 57	<0 57	<0 57	<0 57 M	<0 57 M	<0 57	<0 57	<0 57	<0 57	<0 57 M	<0.57 M
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36 M	<0 36 M	<0 36	<0 36	<0 36	<0 36	<0 36 M	<0 36 M	<0 36	<0 36	<0 36	<0.36	<0 36 M	<0 36 M
1,2-DICHLOROETHENE, TOTAL	UG/L	<1 4	<1 4 M	<1.4 M	--	--	--	<1 4	<1 4 M	<1 4 M	--	--	--	<1 4	<1 4 M	<1 4 M
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46 M	<0 46 M	<0 46	<0 46	<0 46	<0 46	<0 46 M	<0 46 M	<0 46	<0 46	<0 46	<0 46	<0 46 M	<0 46 M
2-BUTANONE	UG/L	<4 3	<4 3 M	<4 3 M	<4 3	<4 3	<4.3	<4 3	<4.3 M	<4 3 M	<4 3	<4 3	<4 3	<4 3	<4 3 M	<4 3 M
2-HEXANONE	UG/L	<1 1	<1 1 M	<1.1 M	<1 1	<1 1	<1.1	<1 1	<1.1 M	<1 1 M	<1 1	<1 1	<1 1	<1.1	<1.1 M	<1 1 M
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2 M	<1 2 M	<1 2	<1 2	<1 2	<1 2	<1 2 M	<1 2 M	<1 2	<1 2	<1 2	<1 2	<1.2 M	<1 2 M
ACETONE	UG/L	2 5 Qu	<2 3 M	<2.3 M	<2 3	<2 3	<2 2 &	<2 3	<2 3 M	<2 3 M	<2 3	<2 3	<2 2	4 7 Qu	<2 3 M	<2 3 M
BENZENE	UG/L	<0 41	<0 41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56 M	<0 56 M	<0 56	<0 56	<0 56	<0 56	<0 56 M	<0 56 M	<0 56	<0 56	<0 56	<0 56	<0 56 M	<0 56 M
BROMOFORM	UG/L	<0 94	<0 94 M	<0 94 M	<0 94	<0 94	<0 94	<0 94	<0 94 M	<0 94 M	<0 94	<0 94 &	<0 94	<0 94	<0 94 M	<0 94 M
BROMOMETHANE	UG/L	<0 91	<0 91 M	<0 91 M	<0 91	<0 91 &	<0 91	<0 91	<0 91 M	<0 91 M	<0 91	<0 91	<0 91	<0 91	<0 91 M	<0 91 M
CARBON DISULFIDE	UG/L	<0 66	<0 66 M	<0 66 M	<0 66	<0 66	<0 66	<0 66	<0 66 M	<0 66 M	<0 66	<0 66	<0 66	<0 66	<0 66 M	<0 66 M
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49 M	<0 49 M	<0 49	<0 49	<0 49 &	<0 49	<0 49 M	<0 49 M	<0 49	<0 49	<0 49	<0 49	<0 49 M	<0 49 M
CHLOROBENZENE	UG/L	<0 41	<0 41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41	<0.41	<0 41	<0 41	<0 41 M	<0 41 M
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81 M	<0 81 M	<0 81	<0 81	<0 81	<0 81	<0 81 M	<0 81 M	<0 81	<0.81	<0 81	<0 81	<0 81 M	<0 81 M
CHLOROETHANE	UG/L	<0 97	<0 97 M	<0 97 M	<0 97	<0.97 &	<0 97	<0 97	<0 97 M	<0 97 M	<0 97	<0 97	<0 97	<0 97	<0 97 M	<0 97 M
CHLOROFORM	UG/L	<0 37	<0 37 M	<0 37 M	<0 37	<0 37	<0 37	<0 37	<0 37 M	<0 37 M	<0 37	<0 37	<0 37	<0 37	<0 37 M	<0 37 M
CHLOROMETHANE	UG/L	1 9 u	<0 24 M	<0 24 M	<0 24	<0 24	<0 24	1 5 u	<0 24 M	<0 24 M	<0 24	<0.24	<0 24	1 9 u	<0 24 M	<0 24 M
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83	<0 83 M	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83 M	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83 M
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19 M	<0 19 M	<0 19	<0 19	<0 19	<0 19	<0 19 M	<0 19 M	<0.19	<0 19	<0 19	<0 19	<0 19 M	<0 19 M
ETHYLBENZENE	UG/L	<0 54	<0 54 M	<0 54 M	<0 54	<0 54	<0 54	<0 54	<0 54 M	<0 54 M	<0 54	<0 54	<0 54	<0.54	<0 54 M	<0 54 M
METHYLENE CHLORIDE	UG/L	<0 43	<0 43 M	<0 43 M	<0 43	<0 43	<0 43	<0 43	<0 43 M	<0 43 M	<0 43	<0 43	<0 43	<0 43	<0 43 M	<0 43 M
STYRENE	UG/L	<0 86	<0 86 M	<0 86 M	<0 86	<0 86	<0 86	<0 86	<0 86 M	<0 86 M	<0 86	<0 86	<0 86	<0 86	<0 86 M	<0 86 M
TETRACHLOROETHENE	UG/L	1 5 Xu	<0 45 M	<0 45 M	<0 45	<0 45	<0 45	1.1 QXu	<0 45 M	<0 45 M	<0 45	<0 45	<0 45	1.3 QXu	<0 45 M	<0 45 M
TOLUENE	UG/L	<0 67	<0 67 M	<0 67 M	<0 67	<0 67	<0 67	<0 67	<0 67 M	<0 67 M	<0 67	<0 67	<0 67	<0 67	<0 67 M	<0 67 M
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89 M	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89 M	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89 M
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.19	<0 19 M	<0 19 M	<0 19	<0 19	<0 19	<0 19	<0 19 M	<0 19 M	<0 19	<0 19	<0 19	<0 19	<0 19 M	<0 19 M
TRICHLOROETHENE	UG/L	<0 48	<0 48 M	<0 48 M	<0 48	<0 48	<0 48	<0 48	<0 48 M	<0 48 M	<0 48	<0 48	<0 48	<0.48	<0 48 M	<0.48 M
VINYL CHLORIDE	UG/L	<0 18	<0 18 M	<0 18 M	<0 18	<0 18 &	<0 18	<0 18	<0 18 M	<0 18 M	<0 18	<0 18	<0 18	<0 18	<0 18 M	<0 18 M
XYLENE, TOTAL	UG/L	<2 6	<2 6 M	<2 6 M	<2 6	<2 6	<2 6	<2 6	<2 6 M	<2 6 M	<2.6	<2.6	<2 6	<2 6	<2 6 M	<2 6 M

Notes:
Baseline MNA monitoring was conducted in July 2006
Laboratory and data validation qualifier key in Table B5
"--" = not analyzed

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Table B3
Residential Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	GR-10 3/22/07	GR-10 6/21/07	GR-10 9/20/07	GR-11 7/27/06	GR-11 9/15/06	GR-11 DUP 9/15/06	GR-11 12/11/06	GR-11 3/22/07	GR-11 6/21/07	GR-11 9/20/07	GR-12 7/27/06	GR-12 9/14/06	GR-12 12/12/06	GR-12 3/22/07
FIELD PARAMETERS															
CONDUCTANCE, SPECIFIC	UMHOS/CM	822	821	810	519	575	--	573	573	577	578	523	582	581	575
PH, FIELD	SU	7 01	7 61	7 77	7.59	7 16	--	7 32	7 59	7 52	7.69	7 52	7.38	7.66	7 61
TEMPERATURE	DEG C	8	11	11	12	12	--	9	8	11	11	12	11	9	8
TURBIDITY, FIELD		NONE	NONE	NONE	NONE	NONE	--	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
VOLATILE ORGANICS															
1,1,1-TRICHLOROETHANE	UG/L	<0 90	<0 90	<0 90 &	<0 90	<0 90 M	<0.90 M	<0 90 M	<0 90	<0 90	<0 90 &	<0 90	<0 90 M	<0 90 M	<0 90
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0.20	<0 20	<0 20 M	<0 20 M	<0 20 M	<0 20	<0 20	<0 20	<0 20	<0 20 M	<0 20 M	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0.42	<0 42	<0 42 M	<0 42 M	<0 42 M	<0.42	<0 42	<0 42	<0 42	<0 42 M	<0 42 M	<0 42
1,1-DICHLOROETHANE	UG/L	<0 75	<0 75	<0 75	<0 75	<0 75 M	<0 75 M	<0 75 M	<0 75	<0 75	<0 75	<0 75	<0 75 M	<0 75 M	<0 75
1,1-DICHLOROETHENE	UG/L	<0 57	<0 57	<0 57	<0 57	<0 57 M	<0.57 M	<0 57 M	<0 57	<0 57	<0 57	<0 57	<0 57 M	<0 57 M	<0 57
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36	<0 36 M	<0 36 M	<0 36 M	<0 36	<0 36	<0 36	<0 36	<0 36 M	<0 36 M	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	--	--	--	<1 4	<1 4 M	<1 4 M	<1 4 M	--	--	--	<1 4	<1 4 M	<1 4 M	--
1,2-DICHLOROPROPANE	UG/L	<0 46	<0.46	<0 46	<0 46	<0 46 M	<0 46 M	<0 46 M	<0 46	<0 46	<0 46	<0 46	<0 46 M	<0 46 M	<0 46
2-BUTANONE	UG/L	<4 3	<4 3	<4 3	<4 3	<4 3 M	<4.3 M	<4 3 M	<4 3	<4 3	<4 3	<4.3	<4 3 M	<4 3 M	<4 3
2-HEXANONE	UG/L	<1.1	<1 1	<1 1	<1 1	<1 1 M	<1 1 M	<1 1 M	<1 1	<1 1	<1 1	<1.1	<1 1 M	<1 1 M	<1 1
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2	<1 2	<1 2	<1 2 M	<1 2 M	<1 2 M	<1 2	<1 2	<1 2	<1 2	<1.2 M	<1 2 M	<1 2
ACETONE	UG/L	<2 3	<2 3	<2 2 &	<2 3	<2 3 M	<2 3 M	<2 3 M	<2 3	<2 3	<2 2 &	3 4 Qu	<2 3 M	<2 3 M	<2 3
BENZENE	UG/L	<0 41	<0 41	<0.41	<0 41	<0 41 M	<0 41 M	<0 41 M	<0 41	<0.41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0 56	<0 56	<0 56 M	<0.56 M	<0 56 M	<0 56	<0 56	<0 56	<0 56	<0 56 M	<0 56 M	<0 56
BROMOFORM	UG/L	<0 94	<0.94	<0 94	<0.94	<0 94 M	<0 94 M	<0 94 M	<0 94	<0 94	<0 94	<0 94	<0 94 M	<0 94 M	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91 &	<0 91	<0.91	<0 91 M	<0 91 M	<0 91 M	<0 91	<0 91 &	<0 91	<0 91	<0 91 M	<0 91 M	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66	<0 66 M	<0 66 M	<0 66 M	<0 66	<0 66	<0 66	<0 66	<0 66 M	<0 66 M	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49	<0 49 &	<0 49	<0 49 M	<0 49 M	<0 49 M	<0 49	<0.49	<0 49 &	<0 49	<0 49 M	<0 49 M	<0 49
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81	<0 81 M	<0 81 M	<0 81 M	<0 81	<0 81	<0 81	<0 81	<0 81 M	<0 81 M	<0 81
CHLOROETHANE	UG/L	<0 97	<0 97 &	<0 97	<0 97	<0 97 M	<0 97 M	<0.97 M	<0 97	<0 97 &	<0 97	<0 97	<0 97 M	<0 97 M	<0 97
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37	<0 37 M	<0 37 M	<0 37 M	<0.37	<0 37	<0 37	<0 37	<0 37 M	<0 37 M	<0 37
CHLOROMETHANE	UG/L	<0 24	0 29 Q	<0 24	1.6 u	<0 24 M	<0 24 M	<0 24 M	<0 24	<0 24	<0 24	2 7 u	<0 24 M	<0 24 M	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83	<0 83	<0 83	<0 83	<0.83	<0 83 M	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83 M	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0.19	<0.19 M	<0 19 M	<0 19 M	<0 19	<0 19	<0.19	<0 19	<0 19 M	<0.19 M	<0 19
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54	<0 54 M	<0 54 M	<0 54 M	<0 54	<0 54	<0 54	<0 54	<0.54 M	<0 54 M	<0 54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0 43	<0 43 M	<0.43 M	<0 43 M	<0 43	<0.43	<0 43	<0 43	<0 43 M	<0 43 M	<0 43
STYRENE	UG/L	<0 86	<0 86	<0 86	<0 86	<0 86 M	<0 86 M	<0 86 M	<0 86	<0 86	<0 86	<0 86	<0 86 M	<0 86 M	<0 86
TETRACHLOROETHENE	UG/L	<0 45	<0 45	<0 45	1 4 QXu	<0 45 M	<0 45 M	<0 45 M	<0 45	<0 45	<0 45	1 2 QXu	<0 45 M	<0 45 M	<0 45
TOLUENE	UG/L	<0 67	<0.67	<0 67	0 80 Q	<0.67 M	<0 67 M	<0 67 M	<0 67	<0 67	<0 67	<0 67	<0 67 M	<0 67 M	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0.89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89 M	<0 89	<0 89	<0 89	<0 89	<0.89	<0 89 M	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.19	<0 19	<0 19	<0 19	<0.19 M	<0.19 M	<0.19 M	<0 19	<0.19	<0.19	<0 19	<0 19 M	<0.19 M	<0 19
TRICHLOROETHENE	UG/L	<0 48	<0.48	<0 48	<0 48	<0 48 M	<0.48 M	<0 48 M	<0 48	<0 48	<0 48	<0 48	<0 48 M	<0 48 M	<0 48
VINYL CHLORIDE	UG/L	<0 18	<0 18 &	<0 18	<0 18	<0 18 M	<0 18 M	<0.18 M	<0 18	<0 18 &	<0 18	<0 18	<0 18 M	<0 18 M	<0 18
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2 6	<2.6	<2 6 M	<2.6 M	<2 6 M	<2 6	<2 6	<2.6	<2 6	<2 6 M	<2 6 M	<2 6

Notes:
Baseline MNA monitoring was conducted in July 20(
Laboratory and data validation qualifier key in Table
"--" = not analyzed.

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Table B3
Residential Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	GR-12 6/21/07	GR-12 9/20/07	GR-13 7/26/06	GR-13 9/14/06	GR-13 6/20/07	GR-13 9/19/07	GR-14 7/27/06	GR-14 9/15/06	GR-14 12/11/06	GR-14 3/22/07	GR-14 6/21/07	GR-14 9/20/07	GR-16 8/3/06	GR-16 9/14/06
FIELD PARAMETERS															
CONDUCTANCE, SPECIFIC	UMHOS/CM	581	582	538	598	586	574	461	511	521	521	511	536	--	657
PH, FIELD	SU	7 36	7 67	7 62	7 50	7 46	7 29	7 93	7 41	7 34	7 66	7 86	8 04	--	7.44
TEMPERATURE	DEG C	11	11	12	10	12	11	12	12	9	8	11	11	--	10
TURBIDITY, FIELD		NONE	NONE	SLIGHT	--	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	--	NONE
VOLATILE ORGANICS															
1,1,1-TRICHLOROETHANE	UG/L	<0 90	<0 90 &	<0 90	<0 90 M	<0 90	<0 90	<0 90	<0 90 M	<0 90 M	<0 90	<0 90	<0 90 &	<0 90	<0 90 M
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0 20	<0 20 M	<0 20	<0 20	<0 20	<0 20 M	<0 20 M	<0 20	<0.20	<0 20	<0 20	<0.20 M
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42 M	<0 42	<0 42	<0 42	<0 42 M	<0 42 M	<0 42	<0.42	<0 42	<0 42	<0 42 M
1,1-DICHLOROETHANE	UG/L	<0 75	<0 75	<0 75	<0 75 M	<0.75	<0 75	<0 75	<0 75 M	<0 75 M	<0 75	<0 75	<0 75	<0 75	<0 75 M
1,1-DICHLOROETHENE	UG/L	<0 57	<0 57	<0 57	<0 57 M	<0 57	<0 57	<0.57	<0 57 M	<0 57 M	<0 57	<0 57	<0 57	<0 57	<0 57 M
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36 M	<0 36	<0 36	<0 36	<0 36 M	<0 36 M	<0 36	<0 36	<0 36	<0 36	<0 36 M
1,2-DICHLOROETHENE, TOTAL	UG/L	--	--	<1.4	<1 4 M	--	--	<1 4	<1 4 M	<1 4 M	--	--	--	<1 4	<1 4 M
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0 46	<0 46 M	<0 46	<0 46	<0 46	<0 46 M	<0.46 M	<0 46	<0 46	<0 46	<0 46	<0.46 M
2-BUTANONE	UG/L	<4.3	<4 3	<4.3	<4 3 M	<4 3	<4 3	<4 3	<4 3 M	<4 3 M	<4 3	<4 3	<4 3	<4 3	<4 3 M
2-HEXANONE	UG/L	<1.1	<1 1	<1.1	<1 1 M	<1 1	<1 1	<1 1	<1 1 M	<1 1 M	<1.1	<1 1	<1 1	<1 1	<1 1 MN
4-METHYL-2-PENTANONE	UG/L	<1.2	<1 2	<1 2	<1 2 M	<1 2	<1 2	<1 2	<1 2 M	<1.2 M	<1 2	<1 2	<1 2	<1 2	<1 2 M
ACETONE	UG/L	<2 3	<2 2 &	<2 3	<2 3 M	<2 3	<2 2	<2 3	<2 3 M	<2 3 M	<2 3	<2 3	<2 2 &	<2 3	<2 3 M
BENZENE	UG/L	<0.41	<0 41	<0 41	<0.41 M	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41 M
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0 56	<0.56 M	<0 56	<0 56	<0 56	<0 56 M	<0 56 M	<0 56	<0 56	<0 56	<0 56	<0.56 M
BROMOFORM	UG/L	<0 94	<0 94	<0 94	<0 94 M	<0 94	<0 94	<0 94	<0 94 M	<0 94 M	<0 94	<0 94	<0 94	<0 94	<0 94 M
BROMOMETHANE	UG/L	<0 91 &	<0 91	<0.91	<0 91 M	<0 91 &	<0 91	<0 91	<0 91 M	<0.91 M	<0 91	<0 91 &	<0 91	<0 91	<0 91 M
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66 M	<0 66	<0 66	<0 66	<0 66 M	<0 66 M	<0 66	<0 66	<0 66	<0 66	<0 66 M
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49 &	<0 49	<0 49 M	<0 49	<0 49	<0 49	<0 49 M	<0.49 M	<0 49	<0 49	<0 49 &	<0 49	<0 49 M
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0 41 M	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41 M
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81 M	<0 81	<0 81	<0 81	<0 81 M	<0 81 M	<0 81	<0 81	<0 81	<0 81	<0 81 M
CHLOROETHANE	UG/L	<0 97 &	<0 97	<0 97	<0 97 M	<0 97 &	<0 97	<0 97	<0 97 M	<0 97 M	<0 97	<0 97 &	<0 97	<0 97	<0 97 M
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37 M	<0 37	<0 37	<0 37	<0 37 M	<0 37 M	<0 37	<0 37	<0 37	<0 37	<0 37 M
CHLOROMETHANE	UG/L	0 31 Q	<0 24	1.1 u	<0 24 M	<0 24	<0 24	3 4 u	<0 24 M	<0 24 M	<0.24	<0 24	<0 24	3 1 u	<0 24 M
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83	<0 83	<0 83 M	<0 83	<0 83	<0 83	<0 83	<0 83 M	<0 83	<0 83	<0 83	<0 83	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19 M	<0 19	<0 19	<0 19	<0 19 M	<0 19 M	<0 19	<0 19	<0 19	<0 19	<0 19 M
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54 M	<0 54	<0 54	<0 54	<0 54 M	<0 54 M	<0 54	<0 54	<0 54	<0 54	<0 54 M
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0 43 M	<0 43	<0 43	<0 43	<0.43 M	<0 43 M	<0 43	<0 43	<0 43	<0 43	<0 43 M
STYRENE	UG/L	<0 86	<0 86	<0 86	<0 86 M	<0 86	<0 86	<0.86	<0 86 M	<0 86 M	<0 86	<0 86	<0 86	<0 86	<0 86 M
TETRACHLOROETHENE	UG/L	<0.45	<0 45	1 3 QXu	<0 45 M	<0 45	<0 45	2 1 Xu	<0 45 M	<0 45 M	<0 45	<0 45	<0 45	1 0 QXu	<0 45 M
TOLUENE	UG/L	<0 67	<0 67	<0 67	<0 67 M	<0 67	<0 67	<0 67	<0 67 M	<0 67 M	<0 67	<0 67	<0 67	<0 67	<0 67 M
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89 M	<0 89	<0 89	<0 89	<0 89	<0 89 M	<0 89	<0 89	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.19	<0 19	<0 19	<0 19 M	<0 19	<0 19	<0 19	<0 19 M	<0 19 M	<0 19	<0 19	<0 19	<0.19	<0 19 M
TRICHLOROETHENE	UG/L	<0 48	<0 48	<0 48	<0 48 M	<0 48	<0 48	<0.48	<0.48 M	<0 48 M	<0 48	<0 48	<0 48	<0.48	<0 48 M
VINYL CHLORIDE	UG/L	<0 18 &	<0 18	<0.18	<0 18 M	<0 18 &	<0 18	<0 18	<0 18 M	<0 18 M	<0 18	<0 18 &	<0.18	<0 18	<0.18 M
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2.6	<2.6 M	<2 6	<2 6	<2 6	<2.6 M	<2 6 M	<2 6	<2 6	<2 6	<2 6	<2.6 M

Notes
Baseline MNA monitoring was conducted in July 20(
Laboratory and data validation qualifier key in Table
"--" = not analyzed

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Table B3
Residential Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	GR-16 12/12/06	GR-16 3/22/07	GR-16 DUP 3/22/07	GR-16 6/23/07	GR-16 9/20/07	GR-24 9/14/06	GR-24 12/11/06	GR-24 3/16/07	GR-24 6/21/07	GR-24 9/20/07	GR-25 7/27/06	GR-25 9/14/06	GR-25 12/11/06	GR-25 3/22/07
FIELD PARAMETERS															
CONDUCTANCE, SPECIFIC	UMHOS/CM	644	644	--	647	652	787	868	793	880	896	840	998	929	900
PH, FIELD	SU	8 33	7 13	--	7 64	7 69	7 27	7.22	7 28	7 28	7 4	7 38	7 37	7 21	7 57
TEMPERATURE	DEG C	9	8	--	11	11	11	8	8	11	11	12	12	9	8
TURBIDITY, FIELD		NONE	NONE	--	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
VOLATILE ORGANICS															
1,1,1-TRICHLOROETHANE	UG/L	<0 90 M	<0 90	<0 90	<0 90	<0 90 &	<0 90 M	<0 90 M	<0 90	<0.90	<0 90 &	<0.90	<0 90 M	<0 90 M	<0 90
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20 M	<0 20	<0 20	<0 20	<0 20	<0.20 M	<0 20 M	<0 20	<0 20	<0 20	<0 20	<0 20 M	<0 20 M	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42 M	<0 42	<0 42	<0.42	<0 42	<0.42 M	<0 42 M	<0 42	<0 42	<0.42	<0 42	<0 42 M	<0 42 M	<0 42
1,1-DICHLOROETHANE	UG/L	<0 75 M	<0 75	<0 75	<0 75	<0 75	<0 75 M	<0 75 M	<0 75	<0 75	<0 75	<0 75	<0 75 M	<0 75 M	<0 75
1,1-DICHLOROETHENE	UG/L	<0 57 M	<0 57	<0 57	<0.57	<0 57	<0.57 M	<0 57 M	<0 57	<0 57	<0.57	<0 57	<0 57 M	<0 57 M	<0 57
1,2-DICHLOROETHANE	UG/L	<0 36 M	<0 36	<0 36	<0 36	<0 36	<0.36 M	<0 36 M	<0 36	<0 36	<0 36	<0 36	<0 36 M	<0 36 M	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	<1.4 M	--	--	--	--	<1 4 M	<1 4 M	--	--	--	<1 4	<1.4 M	<1 4 M	--
1,2-DICHLOROPROPANE	UG/L	<0 46 M	<0 46	<0 46	<0 46	<0 46	<0 46 M	<0 46 M	<0 46	<0 46	<0 46	<0 46	<0 46 M	<0.46 M	<0 46
2-BUTANONE	UG/L	<4 3 M	<4 3	<4 3	<4 3	<4 3	<4 3 M	<4 3 M	<4 3	<4 3	<4 3	<4 3	<4 3 M	<4 3 M	<4 3
2-HEXANONE	UG/L	<1 1 M	<1 1	<1.1	<1 1	<1 1	<1 1 M	<1 1 M	<1 1	<1 1	<1 1	<1 1	<1 1 M	<1 1 M	<1 1
4-METHYL-2-PENTANONE	UG/L	<1 2 M	<1.2	<1.2	<1 2	<1 2	<1 2 M	<1 2 M	<1 2	<1 2	<1 2	<1.2	<1 2 M	<1 2 M	<1 2
ACETONE	UG/L	<2 3 M	<2 3	<2 3	<2 3	<2 2 &	<2 3 M	<2 3 M	<2 3	<2 3	<2 2 &	6 3 Qu	<2 3 M	<2 3 M	<2 3
BENZENE	UG/L	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0.41 M	<0 41 M	<0 41	<0.41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56 M	<0 56	<0 56	<0 56	<0 56	<0.56 M	<0 56 M	<0 56	<0 56	<0 56	<0 56	<0 56 M	<0 56 M	<0 56
BROMOFORM	UG/L	<0 94 M	<0 94	<0 94	<0 94 &	<0 94	<0 94 M	<0 94 M	<0 94	<0 94	<0 94	<0 94	<0 94 M	<0 94 M	<0 94
BROMOMETHANE	UG/L	<0 91 M	<0 91	<0 91	<0 91	<0.91	<0 91 M	<0 91 M	<0 91	<0 91 &	<0 91	<0 91	<0 91 M	<0 91 M	<0 91
CARBON DISULFIDE	UG/L	<0 66 M	<0 66	<0 66	<0 66	<0 66	<0 66 M	<0 66 M	<0 66	<0 66	<0 66	<0 66	<0 66 M	<0.66 M	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49 M	<0 49	<0 49	<0.49	<0 49 &	<0 49 M	<0 49 M	<0 49	<0 49	<0 49 &	<0 49	<0 49 M	<0 49 M	<0 49
CHLOROBENZENE	UG/L	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81 M	<0 81	<0 81	<0 81	<0 81	<0 81 M	<0 81 M	<0 81	<0 81	<0 81	<0 81	<0 81 M	<0 81 M	<0 81
CHLOROETHANE	UG/L	<0 97 M	<0 97	<0 97	<0 97	<0 97	<0 97 M	<0 97 M	<0 97	<0 97 &	<0 97	<0.97	<0 97 M	<0 97 M	<0 97
CHLOROFORM	UG/L	<0 37 M	<0 37	<0 37	<0 37	<0 37	<0 37 M	<0 37 M	<0 37	<0 37	<0 37	<0.37	<0 37 M	<0 37 M	<0 37
CHLOROMETHANE	UG/L	<0 24 M	<0 24	<0 24	<0 24	<0 24	<0 24 M	<0 24 M	<0 24	<0 24	<0 24	2 5 u	<0.24 M	<0 24 M	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	<0 83 M	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83 M	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83 M	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0.19 M	<0 19	<0 19	<0.19	<0.19	<0 19 M	<0 19 M	<0 19	<0 19	<0 19	<0.19	<0 19 M	<0 19 M	<0 19
ETHYLBENZENE	UG/L	<0.54 M	<0 54	<0 54	<0 54	<0 54	<0 54 M	<0 54 M	<0 54	<0 54	<0 54	<0 54	<0.54 M	<0.54 M	<0 54
METHYLENE CHLORIDE	UG/L	<0 43 M	<0 43	<0 43	<0 43	<0 43	<0 43 M	<0 43 M	<0 43	<0 43	<0 43	<0 43	<0 43 M	<0 43 M	<0 43
STYRENE	UG/L	<0 86 M	<0 86	<0 86	<0 86	<0 86	<0 86 M	<0 86 M	<0 86	<0 86	<0 86	<0 86	<0 86 M	<0 86 M	<0 86
TETRACHLOROETHENE	UG/L	<0 45 M	<0.45	<0 45	<0 45	<0 45	<0.45 M	<0 45 M	<0 45	<0.45	<0 45	1 1 QXu	<0 45 M	<0 45 M	<0 45
TOLUENE	UG/L	<0 67 M	<0 67	<0 67	<0 67	<0 67	<0 67 M	<0 67 M	<0 67	<0 67	<0 67	<0 67	<0 67 M	<0 67 M	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89 M	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89 M	<0.89	<0 89	<0 89	<0 89	<0 89	<0 89 M	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19 M	<0 19	<0.19	<0.19	<0 19	<0 19 M	<0.19 M	<0.19	<0 19	<0.19	<0 19	<0 19 M	<0 19 M	<0 19
TRICHLOROETHENE	UG/L	<0 48 M	<0 48	<0 48	<0 48	<0 48	<0 48 M	<0 48 M	<0 48	<0.48	<0 48	<0 48	<0 48 M	<0 48 M	<0 48
VINYL CHLORIDE	UG/L	<0 18 M	<0 18	<0.18	<0 18	<0 18	<0 18 M	<0 18 M	<0 18	<0 18 &	<0 18	<0.18	<0 18 M	<0.18 M	<0 18
XYLENE, TOTAL	UG/L	<2.6 M	<2 6	<2.6	<2 6	<2.6	<2 6 M	<2 6 M	<2.6	<2 6	<2.6	<2 6	<2 6 M	<2 6 M	<2 6

Notes
Baseline MNA monitoring was conducted in July 20(
Laboratory and data validation qualifier key in Table
"--" = not analyzed

Table B3
Residential Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	GR-25 6/23/07	GR-26 7/26/06	GR-26 DUP 7/26/06	GR-26 9/14/06	GR-26 12/8/06	GR-26 3/16/07	GR-26 DUP 3/16/07	GR-26 6/20/07	GR-26 9/19/07	GR-26 12/7/07	GR-27 7/26/06	GR-27 9/13/06	GR-27 12/8/06	GR-27 DUP 12/8/06
FIELD PARAMETERS															
CONDUCTANCE, SPECIFIC	UMHOS/CM	945	519	--	588	584	582	--	581	586	583	564	623	611	--
PH, FIELD	SU	7 41	7 29	--	7 18	7 17	7 25	--	7 08	7 43	7 38	7.57	7 34	7 55	--
TEMPERATURE	DEG C	11	10	--	10	8	9	--	9 8	10 1	9	12	11	8	--
TURBIDITY, FIELD		NONE	NONE	--	NONE	NONE	NONE	--	NONE	NONE	NONE	NONE	NONE	NONE	--
VOLATILE ORGANICS															
1,1,1-TRICHLOROETHANE	UG/L	<0 90	<0 90	<0 90	<0 90 M	<0 90 M	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90 M	<0 90 M	<0 90 M
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0 20	<0 20 M	<0 20 M	<0.20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20 M	<0 20 M	<0 20 M
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42 M	<0.42 M	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42 M	<0 42 M	<0 42 M
1,1-DICHLOROETHANE	UG/L	<0.75	<0 75	<0 75	<0 75 M	<0 75 M	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75 M	<0.75 M	<0.75 M
1,1-DICHLOROETHENE	UG/L	<0 57	<0 57	<0 57	<0 57 M	<0 57 M	<0 57	<0 57	<0 57	<0.57	<0 57	<0 57	<0 57 M	<0 57 M	<0 57 M
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36 M	<0.36 M	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36 M	<0 36 M	<0 36 M
1,2-DICHLOROETHENE, TOTAL	UG/L	--	<1 4	<1 4	<1 4 M	<1 4 M	--	--	--	--	--	<1 4	<1 4 M	<1 4 M	<1 4 M
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0 46	<0.46 M	<0 46 M	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46 M	<0 46 M	<0 46 M
2-BUTANONE	UG/L	<4 3	<4 3	<4 3	<4.3 M	<4 3 M	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3 M	<4 3 M	<4 3 M
2-HEXANONE	UG/L	<1 1	<1.1	<1 1	<1.1 M	<1.1 M	<1 1	<1 1	<1.1	<1 1	<1.1	<1 1	<1 1 M	<1.1 M	<1 1 M
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2	<1 2	<1 2 M	<1.2 M	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2 M	<1 2 M	<1 2 M
ACETONE	UG/L	<2 3	<2 3	4 1 Qu	<2 3 M	<2 3 M	<2 3	<2 3	<2 3	<2 2	<2 2	<2 3	<2 3 M	<2 3 M	<2 3 M
BENZENE	UG/L	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41 M
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0 56	<0 56 M	<0 56 M	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56 M	<0 56 M	<0 56 M
BROMOFORM	UG/L	<0 94 &	<0 94	<0 94	<0 94 M	<0 94 M	<0 94	<0 94	<0 94	<0.94	<0 94	<0 94	<0 94 M	<0 94 M	<0 94 M
BROMOMETHANE	UG/L	<0 91	<0.91	<0 91	<0 91 M	<0.91 M	<0 91	<0 91	<0 91 &	<0.91	<0 91	<0 91	<0 91 M	<0 91 M	<0 91 M
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66 M	<0 66 M	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66 M	<0 66 M	<0 66 M
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49	<0 49	<0 49 M	<0 49 M	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49 M	<0 49 M	<0 49 M
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0.41 M	<0 41 M
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81 M	<0 81 M	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81 M	<0 81 M	<0 81 M
CHLOROETHANE	UG/L	<0 97	<0 97	<0 97	<0 97 M	<0 97 M	<0 97	<0 97	<0 97 &	<0 97	<0 97	<0 97	<0 97 M	<0 97 M	<0 97 M
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37 M	<0 37 M	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37 M	<0 37 M	<0 37 M
CHLOROMETHANE	UG/L	<0 24	1 0 u	<0 24	<0 24 M	<0 24 M	<0 24	<0 24	<0 24	<0 24	<0 24	1 8 u	<0 24 M	<0 24 M	<0 24 M
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83	<0 83	<0 83 M	<0 83 M	<0 83	<0 83	<0 83	<0 83	<0 83	<0.83	<0 83 M	<0 83 M	<0 83 M
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19 M	<0 19 M	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19 M	<0 19 M	<0.19 M
ETHYLBENZENE	UG/L	<0 54	<0 54	<0 54	<0 54 M	<0.54 M	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54 M	<0 54 M	<0 54 M
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0 43 M	<0 43 M	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43 M	<0 43 M	<0 43 M
STYRENE	UG/L	<0 86	<0 86	<0 86	<0 86 M	<0.86 M	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86 M	<0 86 M	<0 86 M
TETRACHLOROETHENE	UG/L	<0 45	1 0 QXu	0 88 QXu	<0 45 M	<0.45 M	<0 45	<0 45	<0 45	<0 45	<0 45	1 7 Xu	<0.45 M	<0 45 M	<0 45 M
TOLUENE	UG/L	<0 67	<0 67	<0 67	<0.67 M	<0 67 M	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67 M	<0 67 M	<0 67 M
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89 M	<0 89 M	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89 M	<0 89 M	<0 89 M
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19 M	<0.19 M	<0 19	<0.19	<0 19	<0.19	<0 19	<0 19	<0 19 M	<0.19 M	<0 19 M
TRICHLOROETHENE	UG/L	<0 48	<0 48	<0 48	<0 48 M	<0 48 M	<0 48	<0 48	<0 48	<0 48	<0 48	<0 48	<0 48 M	<0 48 M	<0.48 M
VINYL CHLORIDE	UG/L	<0.18	<0.18	<0 18	<0 18 M	<0 18 M	<0 18	<0.18	<0 18 &	<0.18	<0 18	<0 18	<0 18 M	<0 18 M	<0 18 M
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2 6	<2 6 M	<2 6 M	<2 6	<2 6	<2 6	<2 6	<2.6	<2 6	<2 6 M	<2.6 M	<2 6 M

Notes
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Laboratory and data validation qualifier key in Table
"--" = not analyzed

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Table B3
Residential Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	GR-27 3/16/07	GR-27 6/20/07	GR-27 DUP 6/20/07	GR-27 9/19/07	GR-27 12/7/07	GR-30 7/27/06	GR-30 9/13/06	GR-30 12/8/06	GR-30 3/16/07	GR-30 6/21/07	GR-30 9/20/07	GR-31 7/26/06	GR-31 9/13/06	GR-31 DUP 9/13/06
FIELD PARAMETERS															
CONDUCTANCE, SPECIFIC	UMHOS/CM	622	613	--	616	647	606	669	655	647	650	665	1070	1164	--
PH, FIELD	SU	7 46	7 51	--	7.72	7 16	7 50	7 16	7 28	7 39	7 34	7 52	7 11	6 94	--
TEMPERATURE	DEG C	8	--	--	11	9 5	12	11	8	8	11	11	12	12	--
TURBIDITY, FIELD		NONE	NONE	--	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	MODERATE	MODERATE	--
VOLATILE ORGANICS															
1,1,1-TRICHLOROETHANE	UG/L	<0 90	<0 90	<0.90	<0 90	<0 90	<0 90	<0 90 M	<0 90 M	<0.90	<0 90	<0 90 &N	<0 90	<0 90 M	<0 90 M
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20 M	<0.20 M	<0 20	<0 20	<0 20	<0 20	<0 20 M	<0 20 M
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42 M	<0 42 M	<0 42	<0 42	<0 42	<0 42	<0 42 M	<0 42 M
1,1-DICHLOROETHANE	UG/L	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75 M	<0 75 M	<0 75	<0 75	<0 75	<0 75	<0 75 M	<0 75 M
1,1-DICHLOROETHENE	UG/L	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57 M	<0 57 M	<0.57	<0 57	<0 57	<0 57	<0 57 M	<0 57 M
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36 M	<0 36 M	<0.36	<0 36	<0 36	<0 36	<0 36 M	<0 36 M
1,2-DICHLOROETHENE, TOTAL	UG/L	--	--	--	--	--	<1 4	<1 4 M	<1 4 M	--	--	--	<1 4	<1 4 M	<1 4 M
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46 M	<0 46 M	<0 46	<0 46	<0 46	<0 46	<0 46 M	<0 46 M
2-BUTANONE	UG/L	<4.3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3 M	<4 3 M	<4 3	<4 3	<4 3	<4 3	<4.3 M	<4 3 M
2-HEXANONE	UG/L	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1	<1 1 M	<1 1 M	<1 1	<1 1	<1.1	<1 1	<1 1 M	<1 1 M
4-METHYL-2-PENTANONE	UG/L	<1.2	<1 2	<1 2	<1.2	<1 2	<1 2	<1 2 M	<1.2 M	<1 2	<1 2	<1 2	<1 2	<1 2 M	<1 2 M
ACETONE	UG/L	<2 3	<2 3	<2 3	<2 2	<2 2	4 5 Qu	<2 3 M	<2 3 M	<2 3	<2 3	<2 2 &N	<2 3	<2 3 M	<2 3 M
BENZENE	UG/L	<0 41	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56 M	<0 56 M	<0 56	<0.56	<0 56	<0 56	<0 56 M	<0 56 M
BROMOFORM	UG/L	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94 M	<0 94 M	<0 94	<0 94	<0 94	<0 94	<0 94 M	<0 94 M
BROMOMETHANE	UG/L	<0 91	<0 91 &	<0 91 &	<0 91	<0 91	<0 91	<0 91 M	<0 91 M	<0.91	<0 91 &	<0 91	<0 91	<0 91 M	<0 91 M
CARBON DISULFIDE	UG/L	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66 M	<0 66 M	<0 66	<0 66	<0 66	<0 66	<0 66 M	<0 66 M
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49 M	<0 49 M	<0 49	<0 49	<0 49 &N	<0 49	<0 49 M	<0 49 M
CHLOROBENZENE	UG/L	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0.41 M	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81	<0 81	<0 81	<0 81	<0.81	<0 81 M	<0 81 M	<0 81	<0 81	<0 81	<0 81	<0 81 M	<0 81 M
CHLOROETHANE	UG/L	<0 97	<0 97 &	<0 97 &	<0 97	<0 97	<0 97	<0 97 M	<0 97 M	<0 97	<0 97 &	<0 97	<0 97	<0 97 M	<0 97 M
CHLOROFORM	UG/L	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37 M	<0 37 M	<0 37	<0 37	<0 37	<0 37	<0 37 M	<0 37 M
CHLOROMETHANE	UG/L	<0.24	<0.24	<0 24	<0 24	<0 24	0 95 u	<0 24 M	<0 24 M	<0 24	<0.24	<0 24	1 3 u	<0 24 M	<0 24 M
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83 M	<0 83	<0 83	<0 83	<0 83	<0 83 M	<0 83 M
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0.19	<0.19	<0 19	<0 19	<0 19	<0 19 M	<0.19 M	<0 19	<0 19	<0.19	<0 19	<0 19 M	<0 19 M
ETHYLBENZENE	UG/L	<0.54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54 M	<0 54 M	<0 54	<0 54	<0 54	<0 54	<0 54 M	<0 54 M
METHYLENE CHLORIDE	UG/L	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43	<0 43 M	<0 43 M	<0 43	<0.43	<0 43	<0 43	<0 43 M	<0 43 M
STYRENE	UG/L	<0 86	<0 86	<0 86	<0 86	<0 86	<0.86	<0 86 M	<0 86 M	<0 86	<0 86	<0 86	<0 86	<0 86 M	<0 86 M
TETRACHLOROETHENE	UG/L	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45 M	<0 45 M	<0.45	<0 45	<0 45	1 4 QXu	<0.45 M	<0 45 M
TOLUENE	UG/L	<0 67	<0 67	<0.67	<0 67	<0 67	<0 67	<0 67 M	<0 67 M	<0.67	<0 67	<0 67	<0 67	<0 67 M	<0 67 M
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89 M	<0 89	<0 89	<0.89	<0 89	<0 89 M	<0 89 M
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19 M	<0 19 M	<0 19	<0 19	<0 19	<0 19	<0.19 M	<0 19 M
TRICHLOROETHENE	UG/L	<0 48	<0 48	<0 48	<0 48	<0 48	<0 48	<0 48 M	<0 48 M	<0 48	<0.48	<0 48	<0 48	<0 48 M	<0 48 M
VINYL CHLORIDE	UG/L	<0 18	<0 18 &	<0.18 &	<0 18	<0 18	<0 18	<0 18 M	<0 18 M	<0 18	<0 18 &	<0 18	<0 18	<0 18 M	<0 18 M
XYLENE, TOTAL	UG/L	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6 M	<2.6 M	<2.6	<2 6	<2 6	<2.6	<2 6 M	<2 6 M

Notes
Baseline MNA monitoring was conducted in July 20(
Laboratory and data validation qualifier key in Table
"--" = not analyzed.

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Table B3
Residential Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	GR-31 12/8/06	GR-31 3/16/07	GR-31 6/20/07	GR-31 9/19/07	GR-31 DUP 9/19/07	GR-31 12/7/07	GR-31 DUP 12/7/07	GR-33 7/27/06	GR-33 9/14/06	GR-33 12/12/06	GR-33 DUP 12/12/06	GR-33 3/22/07	GR-33 6/21/07	GR-33 9/20/07
FIELD PARAMETERS															
CONDUCTANCE, SPECIFIC	UMHOS/CM	1134	1165	1100	1106	--	1129	--	904	1020	1017	--	947	968	997
PH, FIELD	SU	6 53	6 66	6 76	7.12	--	7 14	--	7 37	7 07	7 22	--	7 15	7 22	7.52
TEMPERATURE	DEG C	8	8	11	11	--	9	--	12	12	8	--	8	12	11
TURBIDITY, FIELD		SLIGHT	NONE	NONE	NONE	--	NONE	--	NONE	NONE	NONE	--	NONE	NONE	NONE
VOLATILE ORGANICS															
1,1,1-TRICHLOROETHANE	UG/L	<0 90 M	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90 M	<0 90 M	<0 90 M	<0.90	<0 90	<0 90 &
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20 M	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20 M	<0 20 M	<0 20 M	<0 20	<0 20	<0.20
1,1,2-TRICHLOROETHANE	UG/L	<0 42 M	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42 M	<0 42 M	<0 42 M	<0 42	<0 42	<0.42
1,1-DICHLOROETHANE	UG/L	<0 75 M	<0.75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75 M	<0 75 M	<0 75 M	<0 75	<0 75	<0 75
1,1-DICHLOROETHENE	UG/L	<0 57 M	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57 M	<0 57 M	<0 57 M	<0 57	<0 57	<0 57
1,2-DICHLOROETHANE	UG/L	<0 36 M	<0.36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36 M	<0 36 M	<0 36 M	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	<1 4 M	--	--	--	--	--	--	<1 4	<1 4 M	<1 4 M	<1 4 M	--	--	--
1,2-DICHLOROPROPANE	UG/L	<0 46 M	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46 M	<0 46 M	<0 46 M	<0.46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3 M	<4 3	<4 3	<4 3	<4.3	<4 3	<4 3	<4 3	<4 3 M	<4 3 M	<4 3 M	<4 3	<4 3	<4 3
2-HEXANONE	UG/L	<1 1 M	<1 1	<1.1	<1.1	<1 1	<1 1	<1 1	<1 1	<1 1 M	<1 1 M	<1.1 M	<1 1	<1 1	<1 1
4-METHYL-2-PENTANONE	UG/L	<1 2 M	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1.2 M	<1 2 M	<1 2 M	<1 2	<1 2	<1 2
ACETONE	UG/L	<2 3 M	<2 3	<2 3	<2 2	<2 2	<2 2	<2 2	<2 3	<2 3 M	<2 3 M	<2 3 M	<2 3	<2 3	<2 2 &
BENZENE	UG/L	<0 41 M	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0.41 M	<0 41 M	<0.41 M	<0 41	<0 41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56 M	<0.56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56 M	<0 56 M	<0 56 M	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94 M	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94 M	<0 94 M	<0 94 M	<0 94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91 M	<0 91	<0 91 &	<0 91	<0.91	<0 91	<0 91	<0.91	<0 91 M	<0 91 M	<0 91 M	<0 91	<0.91 &	<0 91
CARBON DISULFIDE	UG/L	<0 66 M	<0 66	<0 66	<0 66	<0 66	<0 66	<0.66	<0 66	<0 66 M	<0 66 M	<0 66 M	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49 M	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49	<0.49 M	<0.49 M	<0.49 M	<0 49	<0 49	<0 49 &
CHLOROBENZENE	UG/L	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41 M	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81 M	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81 M	<0 81 M	<0 81 M	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<0 97 M	<0 97	<0 97 &	<0 97	<0 97	<0 97	<0 97	<0 97	<0 97 M	<0 97 M	<0 97 M	<0 97	<0 97 &	<0 97
CHLOROFORM	UG/L	<0 37 M	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37 M	<0 37 M	<0 37 M	<0 37	<0 37	<0 37
CHLOROMETHANE	UG/L	<0 24 M	<0 24	<0 24	<0 24	<0.24	<0 24	<0 24	1 4 u	<0.24 M	<0.24 M	<0.24 M	<0 24	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	<0 83 M	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83 M	<0 83 M	<0 83	<0 83	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19 M	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19 M	<0 19 M	<0 19 M	<0 19	<0.19	<0 19
ETHYLBENZENE	UG/L	<0 54 M	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54 M	<0 54 M	<0.54 M	<0 54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0 43 M	<0 43	<0 43	<0 43	<0 43	0 57 Q	<0.43	<0 43	<0 43 M	<0 43 M	<0 43 M	<0 43	<0 43	<0 43
STYRENE	UG/L	<0 86 M	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86 M	<0 86 M	<0 86 M	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	<0 45 M	<0 45	<0 45	<0 45	<0 45	<0 45	<0 45	1 5 Xu	<0 45 M	<0 45 M	<0 45 M	<0 45	<0 45	<0 45
TOLUENE	UG/L	<0 67 M	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67 M	<0 67 M	<0.67 M	<0 67	<0 67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89 M	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89 M	<0 89 M	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19 M	<0 19	<0 19	<0.19	<0 19	<0 19	<0 19	<0 19	<0 19 M	<0 19 M	<0 19 M	<0 19	<0.19	<0 19
TRICHLOROETHENE	UG/L	<0 48 M	<0 48	<0 48	<0 48	<0.48	<0 48	<0 48	<0 48	<0 48 M	<0 48 M	<0 48 M	<0 48	<0 48	<0 48
VINYL CHLORIDE	UG/L	<0 18 M	<0 18	<0 18 &	<0 18	<0.18	<0 18	<0 18	<0 18	<0 18 M	<0.18 M	<0 18 M	<0 18	<0 18 &	<0 18
XYLENE, TOTAL	UG/L	<2 6 M	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6 M	<2 6 M	<2.6 M	<2 6	<2 6	<2 6

Notes·
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Laboratory and data validation qualifier key in Table
"--" = not analyzed

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Table B3
Residential Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	GR-41 7/26/06	GR-41 9/13/06	GR-41 12/8/06	GR-41 3/16/07	GR-41 6/20/07	GR-41 9/19/07	GR-41 12/7/07	GR-60R 7/26/06	GR-60R 9/14/06	GR-60R 12/8/06	GR-60R 3/16/07	GR-60R 6/20/07	GR-60R 9/19/07	GR-60R 12/7/07
FIELD PARAMETERS															
CONDUCTANCE, SPECIFIC	UMHOS/CM	740	825	806	854	829	844	851	626	717	702	702	729	722	720
PH, FIELD	SU	7 38	7 21	7.21	7 17	7 24	7 45	7 48	7.16	7 07	7 05	7 15	7 04	7 38	7.32
TEMPERATURE	DEG C	12	11	8	8	11	11	9	10	10	8	8	10	10 3	9
TURBIDITY, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
VOLATILE ORGANICS															
1,1,1-TRICHLOROETHANE	UG/L	<0.90	<0 90 M	<0 90 M	<0 90	<0 90	<0 90	<0 90	<0 90	<0 90 M	<0 90 M	<0 90	<0.90	<0.90	<0 90
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20 M	<0 20 M	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20 M	<0 20 M	<0 20	<0.20	<0 20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42	<0 42 M	<0 42 M	<0 42	<0 42	<0.42	<0 42	<0 42	<0 42 M	<0 42 M	<0 42	<0 42	<0 42	<0 42
1,1-DICHLOROETHANE	UG/L	<0 75	<0 75 M	<0 75 M	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75 M	<0 75 M	<0.75	<0 75	<0 75	<0 75
1,1-DICHLOROETHENE	UG/L	<0 57	<0 57 M	<0 57 M	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57 M	<0 57 M	<0 57	<0 57	<0 57	<0 57
1,2-DICHLOROETHANE	UG/L	<0.36	<0 36 M	<0 36 M	<0 36	<0 36	<0.36	<0 36	<0 36	<0 36 M	<0 36 M	<0 36	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	<1 4	<1 4 M	<1.4 M	--	--	--	--	<1 4	<1 4 M	<1.4 M	--	--	--	--
1,2-DICHLOROPROPANE	UG/L	<0 46	<0.46 M	<0 46 M	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46 M	<0 46 M	<0 46	<0 46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3	<4 3 M	<4 3 M	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3 M	<4 3 M	<4 3	<4 3	<4 3	<4 3
2-HEXANONE	UG/L	<1 1	<1 1 M	<1.1 M	<1 1	<1.1	<1 1	<1 1	<1 1	<1 1 M	<1.1 M	<1 1	<1.1	<1 1	<1 1
4-METHYL-2-PENTANONE	UG/L	<1.2	<1 2 M	<1 2 M	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2 M	<1 2 M	<1 2	<1.2	<1 2	<1 2
ACETONE	UG/L	<2 3	<2 3 M	<2 3 M	<2 3	<2 3	<2 2	<2 2	<2 3	<2 3 M	<2 3 M	<2 3	<2 3	<2 2	<2 2
BENZENE	UG/L	<0 41	<0 41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56	<0.56 M	<0 56 M	<0 56	<0 56	<0 56	<0 56	<0 56	<0 56 M	<0 56 M	<0 56	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94	<0 94 M	<0 94 M	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94 M	<0 94 M	<0 94	<0 94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91 M	<0 91 M	<0 91	<0 91 &	<0 91	<0 91	<0 91	<0 91 M	<0 91 M	<0 91	<0 91 &	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0 66 M	<0 66 M	<0 66	<0 66	<0 66	<0 66	<0 66	<0 66 M	<0 66 M	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49 M	<0 49 M	<0 49	<0 49	<0 49	<0 49	<0 49	<0 49 M	<0.49 M	<0 49	<0.49	<0 49	<0 49
CHLOROBENZENE	UG/L	<0 41	<0 41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81 M	<0 81 M	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81 M	<0 81 M	<0 81	<0.81	<0 81	<0 81
CHLOROETHANE	UG/L	<0.97	<0 97 M	<0 97 M	<0 97	<0 97 &	<0 97	<0 97	<0 97	<0 97 M	<0 97 M	<0 97	<0 97 &	<0 97	<0 97
CHLOROFORM	UG/L	<0 37	<0 37 M	<0 37 M	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37 M	<0 37 M	<0 37	<0 37	<0 37	<0 37
CHLOROMETHANE	UG/L	1 8 u	<0 24 M	<0 24 M	<0 24	<0 24	<0 24	<0 24	<0 24	<0 24 M	<0 24 M	<0 24	<0 24	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83 M	<0 83 M	<0 83	<0 83	<0 83	<0.83	<0 83	<0 83 M	<0 83 M	<0 83	<0 83	<0 83	<0.83
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0.19 M	<0 19 M	<0 19	<0 19	<0.19	<0.19	<0 19	<0 19 M	<0 19 M	<0 19	<0.19	<0.19	<0.19
ETHYLBENZENE	UG/L	<0 54	<0 54 M	<0 54 M	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54 M	<0 54 M	<0 54	<0 54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43 M	<0 43 M	<0 43	<0 43	<0 43	<0 43	<0.43	<0 43 M	<0 43 M	<0 43	<0 43	<0 43	<0 43
STYRENE	UG/L	<0 86	<0 86 M	<0 86 M	<0 86	<0 86	<0 86	<0 86	<0 86	<0 86 M	<0 86 M	<0 86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	1 6 Xu	<0 45 M	<0 45 M	<0 45	<0 45	<0 45	<0 45	0 89 QXu	<0 45 M	<0 45 M	<0 45	<0 45	<0 45	<0.45
TOLUENE	UG/L	<0 67	<0 67 M	<0 67 M	<0 67	<0 67	<0 67	<0 67	<0 67	<0 67 M	<0 67 M	<0 67	<0.67	<0 67	<0.67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89 M	<0 89 M	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89 M	<0 89 M	<0 89	<0.89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19 M	<0 19 M	<0 19	<0.19	<0.19	<0 19	<0 19	<0.19 M	<0.19 M	<0 19	<0 19	<0 19	<0.19
TRICHLOROETHENE	UG/L	<0 48	<0 48 M	<0 48 M	<0 48	<0.48	<0 48	<0 48	<0 48	<0 48 M	<0 48 M	<0 48	<0 48	<0 48	<0 48
VINYL CHLORIDE	UG/L	<0 18	<0 18 M	<0 18 M	<0.18	<0.18 &	<0.18	<0 18	<0 18	<0 18 M	<0 18 M	<0 18	<0 18 &	<0 18	<0 18
XYLENE, TOTAL	UG/L	<2 6	<2 6 M	<2 6 M	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6 M	<2 6 M	<2 6	<2.6	<2 6	<2 6

Notes:
Baseline MNA monitoring was conducted in July 20(
Laboratory and data validation qualifier key in Table
"--" = not analyzed.

Table B3
Residential Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	GR-62 7/27/06	GR-62 9/14/06	GR-62 12/12/06	GR-62 3/22/07	GR-62 6/21/07	GR-62 9/20/07	GR-63 7/27/06	GR-63 DUP 7/27/06	GR-63 9/13/06	GR-63 12/11/06	GR-63 3/22/07	GR-63 6/21/07	GR-63 9/20/07	GR-64 7/27/06
FIELD PARAMETERS															
CONDUCTANCE, SPECIFIC	UMHOS/CM	537	554	545	535	551	543	504	--	555	552	548	545	543	535
PH, FIELD	SU	7 44	7 29	7 42	7 50	7 54	7 7	7 62	--	7.27	7.37	6 46	7 35	7 63	7 67
TEMPERATURE	DEG C	12	12	8	8	11	11	12	--	10	8	7	11	11	12
TURBIDITY, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	--	NONE	NONE	NONE	NONE	NONE	NONE
VOLATILE ORGANICS															
1,1,1-TRICHLOROETHANE	UG/L	<0 90	<0 90 M	<0 90 M	<0 90	<0.90	<0 90 &	<0 90	<0 90	<0 90 M	<0.90 M	<0 90	<0 90	<0 90 &	<0 90
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20	<0 20 M	<0 20 M	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20 M	<0 20 M	<0 20	<0 20	<0 20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0.42	<0 42 M	<0 42 M	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42 M	<0 42 M	<0.42	<0.42	<0 42	<0 42
1,1-DICHLOROETHANE	UG/L	<0 75	<0 75 M	<0 75 M	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75 M	<0 75 M	<0 75	<0 75	<0 75	<0 75
1,1-DICHLOROETHENE	UG/L	<0 57	<0 57 M	<0 57 M	<0 57	<0 57	<0 57	<0 57	<0 57	<0 57 M	<0 57 M	<0 57	<0 57	<0 57	<0 57
1,2-DICHLOROETHANE	UG/L	<0 36	<0 36 M	<0 36 M	<0.36	<0 36	<0 36	<0 36	<0 36	<0 36 M	<0 36 M	<0 36	<0.36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	<1 4	<1 4 M	<1 4 M	--	--	--	<1 4	<1 4	<1 4 M	<1 4 M	--	--	--	<1.4
1,2-DICHLOROPROPANE	UG/L	<0 46	<0 46 M	<0 46 M	<0 46	<0 46	<0 46	<0 46	<0 46	<0 46 M	<0 46 M	<0 46	<0.46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3	<4.3 M	<4 3 M	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3 M	<4 3 M	<4 3	<4.3	<4 3	<4 3
2-HEXANONE	UG/L	<1 1	<1 1 M	<1 1 M	<1.1	<1 1	<1 1	<1.1	<1.1	<1.1 M	<1 1 M	<1 1	<1.1	<1 1	<1 1
4-METHYL-2-PENTANONE	UG/L	<1 2	<1 2 M	<1 2 M	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2 M	<1 2 M	<1 2	<1.2	<1 2	<1 2
ACETONE	UG/L	<2 3	<2 3 M	<2 3 M	<2 3	16	<2 2 &	<2 3	<2 3	<2 3 M	<2 3 M	<2 3	<2.3	<2 2 &	<2.3
BENZENE	UG/L	<0 41	<0.41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41	<0.41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56	<0 56 M	<0 56 M	<0.56	<0 56	<0 56	<0.56	<0.56	<0 56 M	<0 56 M	<0 56	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94	<0 94 M	<0 94 M	<0 94	<0 94	<0 94	<0 94	<0 94	<0.94 M	<0 94 M	<0 94	<0 94	<0 94	<0 94
BROMOMETHANE	UG/L	<0 91	<0 91 M	<0 91 M	<0.91	<0 91 &	<0 91	<0 91	<0 91	<0.91 M	<0 91 M	<0 91	<0 91 &	<0 91	<0 91
CARBON DISULFIDE	UG/L	<0 66	<0 66 M	<0 66 M	<0.66	<0 66	<0 66	<0 66	<0 66	<0 66 M	<0 66 M	<0 66	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0 49	<0 49 M	<0 49 M	<0.49	<0 49	<0 49 &	<0.49	<0 49	<0.49 M	<0 49 M	<0 49	<0 49	<0 49 &	<0 49
CHLOROBENZENE	UG/L	<0 41	<0 41 M	<0 41 M	<0.41	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0 81	<0 81 M	<0 81 M	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81 M	<0 81 M	<0 81	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<0 97	<0 97 M	<0 97 M	<0 97	<0 97 &	<0 97	<0 97	<0 97	<0 97 M	<0 97 M	<0 97	<0 97 &	<0 97	<0 97
CHLOROFORM	UG/L	<0 37	<0.37 M	<0 37 M	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37 M	<0 37 M	<0 37	<0.37	<0 37	<0 37
CHLOROMETHANE	UG/L	1 6 u	<0 24 M	<0 24 M	<0 24	<0 24	<0 24	1 3 u	1.3 u	<0 24 M	<0 24 M	<0.24	0 27 Q	<0 24	1 0 u
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83	<0 83 M	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83 M	<0 83	<0 83	<0.83	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0 19 M	<0 19 M	<0 19	<0.19	<0 19	<0 19	<0 19	<0.19 M	<0 19 M	<0 19	<0 19	<0 19	<0.19
ETHYLBENZENE	UG/L	<0 54	<0 54 M	<0 54 M	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54 M	<0.54 M	<0 54	<0 54	<0 54	<0.54
METHYLENE CHLORIDE	UG/L	<0 43	<0 43 M	<0 43 M	<0 43	<0 43	<0 43	<0.43	<0 43	<0 43 M	<0 43 M	<0 43	<0.43	<0 43	<0 43
STYRENE	UG/L	<0 86	<0 86 M	<0 86 M	<0 86	<0 86	<0 86	<0.86	<0 86	<0 86 M	<0 86 M	<0.86	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	0 92 QXu	<0 45 M	<0 45 M	<0 45	<0 45	<0.45	1 5 Xu	1 5 QXu	<0 45 M	<0 45 M	<0 45	<0 45	<0 45	1 5 QXu
TOLUENE	UG/L	<0 67	<0 67 M	<0 67 M	<0 67	<0 67	<0 67	<0.67	<0 67	<0 67 M	<0 67 M	<0 67	<0 67	<0 67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0 89	<0 89	<0 89 M	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89 M	<0 89	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 19	<0.19 M	<0.19 M	<0 19	<0 19	<0 19	<0 19	<0 19	<0 19 M	<0 19 M	<0 19	<0.19	<0 19	<0 19
TRICHLOROETHENE	UG/L	<0 48	<0 48 M	<0 48 M	<0 48	<0 48	<0 48	<0 48	<0 48	<0.48 M	<0.48 M	<0 48	<0 48	<0 48	<0 48
VINYL CHLORIDE	UG/L	<0 18	<0 18 M	<0.18 M	<0 18	<0 18 &	<0 18	<0 18	<0 18	<0 18 M	<0 18 M	<0 18	<0.18 &	<0 18	<0 18
XYLENE, TOTAL	UG/L	<2 6	<2 6 M	<2 6 M	<2 6	<2 6	<2 6	<2 6	<2 6	<2 6 M	<2 6 M	<2 6	<2 6	<2 6	<2 6

Notes
Baseline MNA monitoring was conducted in July 20(
Laboratory and data validation qualifier key in Table
"--" = not analyzed

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Table B3
Residential Well Data Summary
July 2006 - January 2008
Lemberger Landfill and Lemberger Transport and Recycling Sites

PARAMETER	UNITS	GR-64 9/13/06	GR-64 12/12/06	GR-64 3/22/07	GR-64 6/21/07	GR-64 DUP 6/21/07	GR-64 9/20/07	GR-64 DUP 9/20/07	GR-65 7/27/06	GR-65 9/18/06	GR-65 12/11/06	GR-65 3/22/07	GR-65 6/23/07	GR-65 9/27/07
FIELD PARAMETERS														
CONDUCTANCE, SPECIFIC	UMHOS/CM	594	590	588	591	--	582	--	572	639	645	643	632	651
PH, FIELD	SU	7 51	7 47	7 52	7 50	--	7 92	--	7 23	7 03	6 60	7 42	7 49	7 58
TEMPERATURE	DEG C	12	9	8	11	--	11	--	12	12	--	8	11	11
TURBIDITY, FIELD		NONE	NONE	NONE	NONE	--	NONE	--	NONE	NONE	NONE	NONE	NONE	NONE
VOLATILE ORGANICS														
1,1,1-TRICHLOROETHANE	UG/L	<0 90 M	<0 90 M	<0 90	<0 90	<0 90	<0 90 &	<0 90 &	<0 90	<0 90 M	<0 90 M	<0 90	<0 90	<0 90
1,1,2,2-TETRACHLOROETHANE	UG/L	<0 20 M	<0 20 M	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20	<0 20 M	<0 20 M	<0 20	<0 20	<0 20
1,1,2-TRICHLOROETHANE	UG/L	<0 42 M	<0 42 M	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42	<0 42 M	<0 42 M	<0 42	<0 42	<0 42
1,1-DICHLOROETHANE	UG/L	<0 75 M	<0.75 M	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75	<0 75 M	<0 75 M	<0.75	<0 75	<0 75
1,1-DICHLOROETHENE	UG/L	<0 57 M	<0 57 M	<0 57	<0 57	<0 57	<0.57	<0 57	<0 57	<0 57 M	<0 57 M	<0 57	<0 57	<0 57
1,2-DICHLOROETHANE	UG/L	<0 36 M	<0 36 M	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36	<0 36 M	<0 36 M	<0 36	<0 36	<0 36
1,2-DICHLOROETHENE, TOTAL	UG/L	<1 4 M	<1 4 M	--	--	--	--	--	<1 4	<1 4 M	<1 4 M	--	--	--
1,2-DICHLOROPROPANE	UG/L	<0.46 M	<0 46 M	<0 46	<0 46	<0 46	<0.46	<0 46	<0 46	<0.46 M	<0 46 M	<0 46	<0 46	<0 46
2-BUTANONE	UG/L	<4 3 M	<4 3 M	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3	<4 3 M	<4 3 M	<4 3	<4 3	<4 3
2-HEXANONE	UG/L	<1.1 M	<1 1 M	<1 1	<1 1	<1 1	<1 1	<1.1	<1.1	<1.1 M	<1 1 M	<1 1	<1 1	<1 1
4-METHYL-2-PENTANONE	UG/L	<1 2 M	<1 2 M	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2 M	<1 2 M	<1 2	<1 2	<1 2
ACETONE	UG/L	<2 3 M	<2 3 M	<2 3	<2 3	<2 3	<2 2 &	<2 2 &	9 5 u	<2 3 M	<2 3 M	<2 3	<2 3	<2 2
BENZENE	UG/L	<0 41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41	<0.41	<0 41
BROMODICHLOROMETHANE	UG/L	<0 56 M	<0 56 M	<0 56	<0 56	<0 56	<0 56	<0 56	<0.56	<0 56 M	<0 56 M	<0 56	<0 56	<0 56
BROMOFORM	UG/L	<0 94 M	<0 94 M	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94	<0 94 M	<0 94 M	<0.94	<0 94 &	<0 94
BROMOMETHANE	UG/L	<0 91 M	<0 91 M	<0 91	<0 91 &	<0 91 &	<0.91	<0 91	<0 91	<0 91 M	<0 91 M	<0 91	<0 91	<0.91
CARBON DISULFIDE	UG/L	<0 66 M	<0 66 M	<0 66	<0.66	<0 66	<0 66	<0 66	<0 66	<0 66 M	<0 66 M	<0 66	<0 66	<0 66
CARBON TETRACHLORIDE	UG/L	<0.49 M	<0 49 M	<0 49	<0 49	<0 49	<0 49 &	<0 49 &	<0 49	<0 49 M	<0 49 M	<0 49	<0 49	<0 49
CHLOROBENZENE	UG/L	<0.41 M	<0 41 M	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41	<0 41 M	<0 41 M	<0 41	<0 41	<0 41
CHLORODIBROMOMETHANE	UG/L	<0.81 M	<0 81 M	<0 81	<0 81	<0 81	<0 81	<0 81	<0 81	<0.81 M	<0 81 M	<0 81	<0 81	<0 81
CHLOROETHANE	UG/L	<0.97 M	<0 97 M	<0 97	<0 97 &	<0 97 &	<0 97	<0 97	<0 97	<0.97 M	<0 97 M	<0 97	<0 97	<0 97
CHLOROFORM	UG/L	<0 37 M	<0 37 M	<0 37	<0 37	<0 37	<0 37	<0 37	<0 37	<0.37 M	<0 37 M	<0 37	<0.37	<0 37
CHLOROMETHANE	UG/L	<0.24 M	<0 24 M	<0 24	<0.24	<0 24	<0 24	<0 24	2 3 u	<0 24 M	<0 24 M	<0 24	<0 24	<0 24
CIS-1,2-DICHLOROETHENE	UG/L	<0 83	<0 83 M	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83	<0 83 M	<0 83	<0 83	<0 83
CIS-1,3-DICHLOROPROPENE	UG/L	<0 19 M	<0 19 M	<0.19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19 M	<0 19 M	<0 19	<0.19	<0 19
ETHYLBENZENE	UG/L	<0 54 M	<0 54 M	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54	<0 54 M	<0 54 M	<0.54	<0 54	<0 54
METHYLENE CHLORIDE	UG/L	<0 43 M	<0 43 M	<0 43	<0 43	<0.43	<0 43	<0 43	<0 43	<0 43 M	<0 43 M	<0 43	<0 43	<0 43
STYRENE	UG/L	<0 86 M	<0 86 M	<0 86	<0.86	<0 86	<0 86	<0 86	<0 86	<0 86 M	<0 86 M	<0 86	<0 86	<0 86
TETRACHLOROETHENE	UG/L	<0 45 M	<0 45 M	<0 45	<0 45	<0 45	<0 45	<0 45	1 3 QXu	<0 45 M	<0 45 M	<0 45	<0 45	<0 45
TOLUENE	UG/L	<0 67 M	<0 67 M	<0 67	<0 67	<0 67	<0 67	<0 67	<0.67	<0 67 M	<0 67 M	<0 67	<0 67	<0 67
TRANS-1,2-DICHLOROETHENE	UG/L	<0.89	<0 89 M	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89	<0 89 M	<0 89	<0 89	<0 89
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.19 M	<0.19 M	<0 19	<0 19	<0 19	<0 19	<0.19	<0 19	<0 19 M	<0 19 M	<0 19	<0 19	<0.19
TRICHLOROETHENE	UG/L	<0 48 M	<0 48 M	<0 48	<0 48	<0 48	<0 48	<0 48	<0 48	<0 48 M	<0 48 M	<0 48	<0 48	<0.48
VINYL CHLORIDE	UG/L	<0 18 M	<0 18 M	<0 18	<0 18 &	<0 18 &	<0.18	<0 18	<0 18	<0.18 M	<0 18 M	<0 18	<0.18	<0 18
XYLENE, TOTAL	UG/L	<2 6 M	<2 6 M	<2 6	<2 6	<2 6	<2 6	<2.6	<2 6	<2 6 M	<2 6 M	<2 6	<2 6	<2.6

Notes.
Baseline MNA monitoring was conducted in July 20(
Laboratory and data validation qualifier key in Table
"--" = not analyzed

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Table B4
Extraction Well Data Summary
July 2006
Lemberger Landfill and Lemberger Transport and Recycling Sites

		EW-01D 7/23/06	EW-03D 7/23/06	EW-03D DUP 7/23/06	EW-04D 7/23/06	EW-04I 7/23/06	EW-06D 7/23/06	EW-06S 7/23/06	EW-07D 7/23/06	EW-08D 7/23/06	EW-09D 7/23/06
FIELD PARAMETERS											
CONDUCTANCE, SPECIFIC	UMHOS/CM	976	624	--	633	645	832	965	671	852	834
PH, FIELD	SU	7 02	7 37	--	7 38	7 36	6 97	7 00	7 34	6 95	6 98
TEMPERATURE	DEG C	12	10	--	10	10	10	14	10	10	10
TURBIDITY, FIELD		NONE	NONE	--	NONE	NONE	NONE	SLIGHT	NONE	NONE	NONE
METALS											
ALUMINUM, DISSOLVED	UG/L	130 A	<40	<40	<40	<40	<40	<40	<40	<40	<40
ALUMINUM, TOTAL	UG/L	<40	42 Q	<40	<40	<40	<40	<40	<40	<40	<40
ANTIMONY, DISSOLVED	UG/L	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40
ANTIMONY, TOTAL	UG/L	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0.40	<0 40	<0 40
ARSENIC, DISSOLVED	UG/L	0 69 Q	0 67 Q	0 50 Q	0 71 Q	0 45 Q	<0 40	0 49 Q	0 42 Q	<0.40	<0 40
ARSENIC, TOTAL	UG/L	0 74 Q	0 44 Q	0 41 Q	0 59 Q	<0 40	<0 40	0 58 Q	<0 40	<0 40	<0 40
BARIUM, DISSOLVED	UG/L	74	55	52	70	54	68	63	38	110	90
BARIUM, TOTAL	UG/L	85	59 E	67	78	61	71	59	41	110	100
BERYLLIUM, DISSOLVED	UG/L	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40
BERYLLIUM, TOTAL	UG/L	<0.40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40
CADMIUM, DISSOLVED	UG/L	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40
CADMIUM, TOTAL	UG/L	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40
CALCIUM, DISSOLVED	UG/L	120000	71000	73000	74000	74000	100000	110000	77000	100000	99000
CALCIUM, TOTAL	UG/L	120000	74000 Ej	81000	77000	75000	99000	110000	78000	110000	110000
CHROMIUM, DISSOLVED	UG/L	<0 40	0 93 Qu	0 69 Qu	0 81 Qu	<0 40	0 74 Qu	0 42 Qu	<0 40	0 47 Qu	0 73 Qu
CHROMIUM, TOTAL	UG/L	1 2 QAu	1 3 QAu	1 5 Au	0 88 QAu	0 66 QAu	0 41 QAu	0 91 QAu	0 80 QAu	0 74 QAu	1 1 QAu
COBALT, DISSOLVED	UG/L	2 6	1 0 Q	<0 40	<0 40	1 4	1 2 Q	1 4	2 3	2 2	<0 40
COBALT, TOTAL	UG/L	<0 40	<0 40	<0.40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	3 1
COPPER, DISSOLVED	UG/L	4 0 Q	<2 0	<2 0	<2 0	<2 0	5 2 Q	<2 0	<2 0	<2 0	5 3 Q
COPPER, TOTAL	UG/L	15	<2 0	<2 0	<2 0	<2 0	4 7 Q	3 9 Q	<2 0	2 2 Q	4 7 Q
IRON, DISSOLVED	UG/L	180	130 Q	110 Q	120 Q	120 Q	170	200	130 Q	180	200
IRON, TOTAL	UG/L	230	130	150	140	130 Q	180	310	150	200	200
LEAD, DISSOLVED	UG/L	<0 40 A	<0 40 A	<0 40 A	<0 40 A	<0 40 A	<0 40 A	<0 40 A	<0 40 A	<0 40 A	<0 40 A
LEAD, TOTAL	UG/L	1.1 Q	<0 40	<0 40	<0 40	<0 40	2 3	<0 40	<0 40	<0.40	3 8
MAGNESIUM, DISSOLVED	UG/L	58000	45000	41000	44000	44000	57000	54000	43000	54000	55000
MAGNESIUM, TOTAL	UG/L	61000	40000 Ej	41000	43000	39000	55000	49000	41000	55000	52000
MANGANESE, DISSOLVED	UG/L	93	2 9	<0 60	<0 60	2 3	14	58	3 9	13	5 4
MANGANESE, TOTAL	UG/L	75	<0 60	<0 60	<0 60	<0.60	13	59	<0 60	8 8	10
MERCURY, DISSOLVED	UG/L	<0 072	<0 072	<0 072	<0 072	<0.072	<0 072	<0 072	<0 072	<0 072	<0 072
MERCURY, TOTAL	UG/L	<0 072	<0 072	<0 072	<0 072	<0 072	<0 072	<0 072	<0 072	<0 072	<0 072
NICKEL, DISSOLVED	UG/L	6 3	2 2 Q	2 1 Q	1 9 Q	2.3 Q	2 6 Q	5 1	2 5 Q	2 7 Q	2 4 Q
NICKEL, TOTAL	UG/L	3 1 Q	1 4 Q	1 6 Q	1 5 Q	1 5 Q	2 2 Q	7.6	1.6 Q	2 4 Q	2.8 Q
POTASSIUM, DISSOLVED	UG/L	1800	1600	1500	1500	1400	1500	6900	1300	1400	1900
POTASSIUM, TOTAL	UG/L	2000	1500	1400	1400	1400	1500	6600	1300	1400	1800
SELENIUM, DISSOLVED	UG/L	<4 0	<4 0	<4 0	<4 0	<4 0	<4 0	<4 0	<4 0	<4 0	<4 0
SELENIUM, TOTAL	UG/L	<4 0	<4 0	<4 0	<4 0	<4 0	<4 0	<4 0	<4 0	<4 0	<4 0
SILVER, DISSOLVED	UG/L	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40
SILVER, TOTAL	UG/L	<0.40	<0 40	<0 40	0 40 Q	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40
SODIUM, DISSOLVED	UG/L	5900	5400	5000	5300	5100	10000	9500	5400	11000	9600
SODIUM, TOTAL	UG/L	6400	5500	5200	5500	5600	11000	9600	6200	14000	10000
THALLIUM, DISSOLVED	UG/L	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40
THALLIUM, TOTAL	UG/L	<0 40	<0 40	<0 40	<0 40	<0 40	<0 40	<0.40	<0 40	<0 40	<0 40

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Table B4
Extraction Well Data Summary
July 2006
Lemberger Landfill and Lemberger Transport and Recycling Sites

		EW-01D 7/23/06	EW-03D 7/23/06	EW-03D DUP 7/23/06	EW-04D 7/23/06	EW-04I 7/23/06	EW-06D 7/23/06	EW-06S 7/23/06	EW-07D 7/23/06	EW-08D 7/23/06	EW-09D 7/23/06
METALS (cont'd)											
VANADIUM, DISSOLVED	UG/L	<1 2	<1 2	<1 2	1 5 Q	<1 2	<1 2	<1 2	<1.2	<1 2	<1 2
VANADIUM, TOTAL	UG/L	1 2 Q	<1 2	1.2 Q	1 6 Q	<1 2	<1 2	<1 2	<1 2	<1 2	<1 2
ZINC, DISSOLVED	UG/L	<4 0 A	16 A	<4 0 A	<4 0 A	<4 0 A	200 A	34 A	<4.0 A	110 A	240 A
ZINC, TOTAL	UG/L	9 4 Q	<4 0	<4 0	<4 0	5 1 Q	240	43	<4 0	160	330
VOLATILE ORGANICS											
1,1,1-TRICHLOROETHANE	UG/L	530	6 6	6 9	17	18	830	<0 90	29	410	380
1,1,2,2-TETRACHLOROETHANE	UG/L	<1 0	<0 20	<0 20	<0 20	<0 20	<2 0	<0 20	<0 20	<0 40	<0 80
1,1,2-TRICHLOROETHANE	UG/L	<2.1	<0 42	<0 42	<0 42	<0 42	<4 2	<0 42	<0 42	<0 84	<1 7
1,1-DICHLOROETHANE	UG/L	250	2 9	2 8	6 9	7 9	490	2 6	12	230	150
1,1-DICHLOROETHENE	UG/L	36	0 72 Q	<0 57	1 6 Q	1 9 Q	160	<0 57	3 8	64	49
1,2-DICHLOROETHANE	UG/L	<1 8	<0 36	<0 36	<0 36	<0 36	<3 6	<0 36	<0 36	<0.72	<1 4
1,2-DICHLOROETHENE, TOTAL	UG/L	87	1 8 Q	1 7 Q	4 0 Q	4.2 Q	470	<1 4	12	170	77
1,2-DICHLOROPROPANE	UG/L	<2 3	<0 46	<0 46	<0.46	<0 46	<4 6	<0 46	<0 46	<0 92	<1 8
2-BUTANONE	UG/L	<22	<4 3	<4 3	<4 3	<4 3	<43	<4 3	<4 3	<8 6	<17
2-HEXANONE	UG/L	<5 5	<1 1	<1 1	<1 1	<1 1	<11	<1 1	<1 1	<2 2	<4 4
4-METHYL-2-PENTANONE	UG/L	<6 0	<1 2	<1 2	<1 2	<1 2	<12	<1 2	<1 2	<2 4	<4 8
ACETONE	UG/L	<12	<2.3	<2 3	<2 3	<2 3	<23	<2 3	6 7 Qu	<4 6	<9 3
BENZENE	UG/L	<2 0	<0.41	<0 41	<0 41	<0 41	<4 1	<0 41	<0 41	<0 82	<1 6
BROMODICHLOROMETHANE	UG/L	<2 8	<0 56	<0.56	<0 56	<0 56	<5 6	<0 56	<0 56	<1 1	<2 2
BROMOFORM	UG/L	<4 7	<0 94	<0 94	<0 94	<0 94	<9 4	<0 94	<0 94	<1 9	<3 8
BROMOMETHANE	UG/L	<4 6	<0 91	<0 91	<0 91	<0 91	<9 1	<0 91	<0 91	<1.8	<3 6
CARBON DISULFIDE	UG/L	<3 3	<0 66	<0 66	<0 66	<0 66	<6 6	<0 66	<0 66	<1 3	<2 6
CARBON TETRACHLORIDE	UG/L	<2 4	<0 49	<0 49	<0 49	<0 49	<4 9	<0 49	<0 49	<0 98	<2 0
CHLOROBENZENE	UG/L	<2 0	<0 41	<0 41	<0 41	<0 41	<4 1	<0 41	<0 41	<0 82	<1 6
CHLORODIBROMOMETHANE	UG/L	<4 1	<0 81	<0 81	<0 81	<0 81	<8 1	<0 81	<0 81	<1 6	<3 2
CHLOROETHANE	UG/L	16	<0 97	<0 97	<0 97	<0 97	31 Q	<0 97	<0 97	6 9	<3 9
CHLOROFORM	UG/L	<1 8	<0 37	<0 37	<0 37	<0 37	<3 7	<0 37	<0 37	<0 74	<1 5
CHLOROMETHANE	UG/L	<1 2	1 8 u	1 3 u	1 2 u	<0 24	<2 4	2 8 u	<0 24	<0 48	<0 96
CIS-1,2-DICHLOROETHENE	UG/L	87	1 8 Q	1 7 Q	4 0	4 2	470	<0 83	12	170	77
CIS-1,3-DICHLOROPROPENE	UG/L	<0 95	<0.19	<0 19	<0 19	<0 19	<1.9	<0 19	<0.19	<0 38	<0 76
ETHYLBENZENE	UG/L	<2 7	<0 54	<0 54	<0 54	<0 54	<5 4	<0 54	<0 54	<1.1	<2.2
METHYLENE CHLORIDE	UG/L	<2 2	<0 43	<0 43	<0.43	<0 43	<4 3	<0 43	<0 43	<0 86	<1 7
STYRENE	UG/L	<4.3	<0 86	<0 86	<0 86	<0 86	<8 6	<0 86	<0 86	<1 7	<3 4
TETRACHLOROETHENE	UG/L	5 9 Q	2 0 Xu	1 6 Xu	1 3 QXu	1 9 Xu	5 2 QX	1 4 QXu	1 5 Xu	2.7 Q	2 8 Q
TOLUENE	UG/L	<3 4	<0 67	<0 67	<0 67	<0 67	<6.7	<0 67	<0 67	<1 3	<2 7
TRANS-1,2-DICHLOROETHENE	UG/L	<4 4	<0 89	<0 89	<0 89	<0 89	<8.9	<0 89	<0 89	<1 8	<3 6
TRANS-1,3-DICHLOROPROPENE	UG/L	<0 95	<0 19	<0 19	<0 19	<0.19	<1 9	<0 19	<0 19	<0 38	<0 76
TRICHLOROETHENE	UG/L	31	1 0 Q	1 0 Q	2 9	3 3	140	<0 48	4 7	35	25
VINYL CHLORIDE	UG/L	<0 90	<0 18	<0 18	<0.18	<0 18	<1 8	<0 18	<0 18	<0 36	<0 72
XYLENE, TOTAL	UG/L	<13	<2.6	<2 6	<2 6	<2 6	<26	<2 6	<2 6	<5 2	<10
SEMIVOLATILE ORGANICS											
1,2,4-TRICHLOROBENZENE	UG/L	<2 0	<2 1	<2 1	<2 0	<1 9	<2 5	<2 2	<1 9	<1 9	<2.1
1,2-DICHLOROBENZENE	UG/L	<2 0	<2 0	<2 1	<2 0	<1 8	<2.4	<2 1	<1 8	<1 9	<2 1
1,3-DICHLOROBENZENE	UG/L	<2 0	<2 1	<2 1	<2 0	<1 9	<2 5	<2 2	<1 9	<1 9	<2 1
1,4-DICHLOROBENZENE	UG/L	<2 0	<2 0	<2 1	<2 0	<1 9	<2 5	<2 2	<1 9	<1 9	<2 1
2,2'-OXYBIS(1-CHLOROPROPANE)	UG/L	<0 65	<0.67	<0 68	<0 65	<0.61	<0 81	<0 71	<0 61	<0 63	<0 69
2,4,5-TRICHLOROPHENOL	UG/L	<1 3 *	<1 3 *	<1 3 *	<1 3 *	<1.2 *	<1.6 *	<1 4 *	<1 2 *	<1 2 *	<1 3 *

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Table B4
Extraction Well Data Summary
July 2006
Lemberger Landfill and Lemberger Transport and Recycling Sites

		EW-01D 7/23/06	EW-03D 7/23/06	EW-03D DUP 7/23/06	EW-04D 7/23/06	EW-04I 7/23/06	EW-06D 7/23/06	EW-06S 7/23/06	EW-07D 7/23/06	EW-08D 7/23/06	EW-09D 7/23/06
SEMIVOLATILE ORGANICS (cont'd)											
2,4,6-TRICHLOROPHENOL	UG/L	<0 93 &	<0 95 &	<0 97 &	<0 93 &	<0 87 &	<1 2 &	<1 0 &	<0 87 &	<0 89 &	<0 98 &
2,4-DICHLOROPHENOL	UG/L	<0 92	<0.95	<0.97	<0 92	<0 87	<1 1	<1 0	<0 87	<0 89	<0.98
2,4-DIMETHYLPHENOL	UG/L	<0 77	<0 79	<0 81	<0 77	<0.72	<0 96	<0 84	<0 72	<0 74	<0 82
2,4-DINITROPHENOL	UG/L	<2 4	<2 5	<2 5	<2 4	<2 3	<3 0	<2 6	<2 3	<2 3	<2 6
2,4-DINITROTOLUENE	UG/L	<0 99	<1 0	<1 0	<0 99	<0 93	<1 2	<1.1	<0 93	<0 96	<1 0
2,6-DINITROTOLUENE	UG/L	<0 71	<0 73	<0 75	<0 71	<0 67	<0 88	<0 78	<0 67	<0 69	<0 75
2-CHLORONAPHTHALENE	UG/L	<1 3	<1 4	<1 4	<1 3	<1 2	<1 6	<1 4	<1 2	<1 3	<1 4
2-CHLOROPHENOL	UG/L	<0.90	<0 92	<0 94	<0 90	<0 85	<1 1	<0 99	<0 85	<0 87	<0 95
2-METHYLNAPHTHALENE	UG/L	<1 6	<1 7	<1 7	<1.6	<1 5	<2 0	<1 8	<1 5	<1 6	<1 7
2-METHYLPHENOL	UG/L	<0 78	<0 80	<0.81	<0 78	<0 73	<0 96	<0 85	<0 73	<0 75	<0 82
2-NITROANILINE	UG/L	<0 69	<0 71	<0 73	<0 69	<0 65	<0 86	<0 76	<0 65	<0 67	<0 73
2-NITROPHENOL	UG/L	<1 0	<1 1	<1 1	<1 0	<0 98	<1 3	<1 1	<0 98	<1 0	<1 1
3,3'-DICHLOROBENZIDINE	UG/L	<1 4	<1 5	<1 5	<1 4	<1 4	<1 8	<1 6	<1 4	<1 4	<1 5
3-NITROANILINE	UG/L	<0 88	<0 90	<0 92	<0.88	<0 82	<1 1	<0 96	<0.82	<0 85	<0 93
4,6-DINITRO-2-METHYLPHENOL	UG/L	<1 0	<1 1	<1.1	<1 0	<0 97	<1 3	<1 1	<0 97	<1 0	<1.1
4-BROMOPHENYL-PHENYLETHER	UG/L	<0 85 &	<0 87 &	<0 89 &	<0 85 &	<0 80 &	<1 1 &	<0 93 &	<0 80 &	<0 82 &	<0 90 &
4-CHLORO-3-METHYLPHENOL	UG/L	<0 96	<0 99	<1 0	<0 96	<0 90	<1 2	<1 0	<0 90	<0 93	<1 0
4-CHLOROANILINE	UG/L	<1 0	<1 1	<1 1	<1 0	<0 98	<1 3	<1 1	<0 98	<1 0	<1 1
4-CHLOROPHENYL-PHENYLETHER	UG/L	<0 99	<1 0	<1 0	<0 99	<0 93	<1.2	<1 1	<0 93	<0 96	<1 0
4-METHYLPHENOL	UG/L	<0 75	<0 77	<0.79	<0 75	<0 71	<0 94	<0 82	<0.71	<0 73	<0 80
4-NITROANILINE	UG/L	<0 73	<0 75	<0 76	<0 73	<0.68	<0 91	<0 80	<0 68	<0 70	<0 77
4-NITROPHENOL	UG/L	<0 98	<1 0	<1 0	<0 98	<0.92	<1 2	<1 1	<0 92	<0 95	<1 0
ACENAPHTHENE	UG/L	<1 1	<1 1	<1.1	<1.1	<1 0	<1.4	<1 2	<1.0	<1 1	<1 2
ACENAPHTHYLENE	UG/L	<1 1	<1 1	<1 1	<1.1	<1 0	<1.3	<1 2	<1.0	<1 0	<1 1
ANTHRACENE	UG/L	<0 82	<0 84	<0 86	<0 82	<0 77	<1 0	<0 90	<0 77	<0 79	<0 87
BENZO(A)ANTHRACENE	UG/L	<1 3	<1.3	<1 3	<1 3	<1 2	<1 6	<1 4	<1 2	<1 2	<1.3
BENZO(A)PYRENE	UG/L	<1 0	<1 1	<1 1	<1 0	<0 97	<1 3	<1 1	<0 97	<1 0	<1 1
BENZO(B)FLUORANTHENE	UG/L	<0 98	<1 0	<1 0	<0 98	<0.92	<1 2	<1 1	<0 92	<0 95	<1 0
BENZO(G,H,I)PERYLENE	UG/L	<2 0	<2 0	<2 1	<2 0	<1 9	<2 5	<2 2	<1 9	<1.9	<2 1
BENZO(K)FLUORANTHENE	UG/L	<1 2	<1 2	<1.2	<1.2	<1.1	<1 4	<1 3	<1 1	<1 1	<1 2
BIS(2-CHLOROETHOXY)METHANE	UG/L	<0.81	<0 83	<0 85	<0 81	<0.76	<1.0	<0 89	<0 76	<0 78	<0 86
BIS(2-CHLOROETHYL)ETHER	UG/L	<0.77	<0 79	<0 81	<0 77	<0 73	<0.96	<0 85	<0 73	<0 75	<0 82
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	<1.1	<1 1	<1 1	<1.1	<1 0	36	<1 2	<1 0	49	39
BUTYLBENZYLPHTHALATE	UG/L	<1 2	<1 3	<1 3	<1 2	<1 2	<1 5	<1 3	<1 2	<1 2	<1 3
CARBAZOLE	UG/L	<1 0	<1 1	<1 1	<1 0	<0 96	<1 3	<1 1	<0 96	<0 99	<1 1
CHRYSENE	UG/L	<1 7	<1 7	<1 7	<1 7	<1.6	<2 1	<1 8	<1 6	<1 6	<1.8
DIBENZ(A,H)ANTHRACENE	UG/L	<1 9	<2 0	<2 0	<1.9	<1 8	<2 4	<2 1	<1 8	<1 9	<2 0
DIBENZOFURAN	UG/L	<0 84	<0 87	<0 88	<0 84	<0 79	<1 1	<0 92	<0 79	<0 82	<0 89
DIETHYLPHTHALATE	UG/L	<1 0	<1 1	<1.1	<1 0	<0 96	<1 3	<1.1	<0 96	<0.99	<1.1
DIMETHYLPHTHALATE	UG/L	<0 85	<0 87	<0 89	<0 85	<0 80	<1 1	<0 93	<0 80	<0 82	<0 90
DI-N-BUTYLPHTHALATE	UG/L	<0 98	<1 0	<1 0	<0.98	<0 92	<1 2	<1 1	<0 92	<0 95	<1 0
DI-N-OCTYLPHTHALATE	UG/L	<1 4	<1 5	<1 5	<1 4	<1 4	<1 8	<1.6	<1.4	<1 4	<1.5
FLUORANTHENE	UG/L	<1 4	<1 4	<1 4	<1 4	<1 3	<1 7	<1 5	<1 3	<1 3	<1.4
FLUORENE	UG/L	<0 88	<0 91	<0 93	<0.88	<0 83	<1 1	<0 97	<0 83	<0 85	<0 94
HEXACHLOROBENZENE	UG/L	<0 88 &	<0.90 &	<0 92 &	<0 88 &	<0 82 &	<1 1 &	<0 96 &	<0 82 &	<0 85 &	<0 93 &
HEXACHLOROBUTADIENE	UG/L	<2 8	<2 9	<2 9	<2 8	<2 6	<3 5	<3 1	<2.6	<2.7	<3 0
HEXACHLOROCYCLOPENTADIENE	UG/L	<1.1	<1.1	<1 2	<1 1	<1 1	<1.4	<1.2	<1.1	<1.1	<1 2

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Table B4
Extraction Well Data Summary
July 2006
Lemberger Landfill and Lemberger Transport and Recycling Sites

		EW-01D 7/23/06	EW-03D 7/23/06	EW-03D DUP 7/23/06	EW-04D 7/23/06	EW-04I 7/23/06	EW-06D 7/23/06	EW-06S 7/23/06	EW-07D 7/23/06	EW-08D 7/23/06	EW-09D 7/23/06
SEMIVOLATILE ORGANICS (cont'd)											
HEXACHLOROETHANE	UG/L	<2 2	<2 3	<2 3	<2 2	<2 1	<2 8	<2 4	<2.1	<2 2	<2 4
INDENO(1,2,3-CD)PYRENE	UG/L	<0 66	<0 67	<0 69	<0 66	<0 62	<0 82	<0 72	<0 62	<0 63	<0 69
ISOPHORONE	UG/L	<0 66	<0 68	<0 69	<0 66	<0 62	<0 82	<0 72	<0 62	<0 64	<0 70
NAPHTHALENE	UG/L	<1 4	<1 4	<1 5	<1 4	<1 3	<1 7	<1 5	<1 3	<1 4	<1 5
NITROBENZENE	UG/L	<0.82	<0 85	<0 86	<0 82 N	<0 77	<1 0	<0 90	<0 77	<0 80	<0 87
N-NITROSODI-N-PROPYLAMINE	UG/L	<0 64	<0 66	<0.67	<0 64	<0 60	<0 80	<0 70	<0 60	<0 62	<0 68
N-NITROSODIPHENYLAMINE	UG/L	<4 5	<4 6	<4 7	<4 5	<4 2	<5 6	<4 9	<4 2	<4 4	<4 8
PENTACHLOROPHENOL	UG/L	<1 0	<1 1	<1 1	<1 0	<0 97	<1 3	<1 1	<0 97	<1 0	<1 1
PHENANTHRENE	UG/L	<0 73 &	<0 75 &	<0.76 &	<0 73 &	<0 68 &	<0.90 &	<0.79 &	<0 68 &	<0.70 &	<0 77 &
PHENOL	UG/L	<0 60 *	<0 62 *	<0 63 *	<0.60 *	<0 56 *	<0 75 *	<0 66 *	<0 56 *	<0 58 *	<0 63 *
PYRENE	UG/L	<0 96	<0 98	<1 0	<0 96	<0 90	<1 2	<1 0	<0.90	<0.93	<1.0
PESTICIDES AND PCBs											
4,4'-DDD	UG/L	<0 013	<0 013	<0 013	<0 013	<0 013	<0 013	<0 013	<0 013	<0 013	<0 016
4,4'-DDE	UG/L	<0 012	<0 012	<0 012	<0 011	<0 011	<0 012	<0 012	<0.012	<0 012	<0 014
4,4'-DDT	UG/L	<0 013	<0 013	<0 013	<0 013	<0 013	<0 013	<0 013	<0.013	<0 013	<0 016
ALDRIN	UG/L	<0 0069	<0 0070	<0 0069	<0 0068	<0 0067	<0 0069	<0 0069	<0 0070	<0 0069	<0 0084
ALPHA-BHC	UG/L	<0 0050	<0 0050	<0 0050	<0 0049	<0 0048	<0 0050	<0 0050	<0 0050	<0 0050	<0 0060
ALPHA-CHLORDANE	UG/L	<0 0059	<0 0060	<0 0059	<0 0058	<0 0058	<0 0059	<0 0059	<0 0060	<0 0059	<0 0072
AROCLOR-1016	UG/L	<0 25	<0 26	<0 25	<0 25	<0 25	<0 25	<0 25	<0.25	<0 25	<0 31
AROCLOR-1221	UG/L	<0 25	<0 26	<0 25	<0 25	<0 25	<0 25	<0 25	<0 25	<0 25	<0 31
AROCLOR-1232	UG/L	<0 25	<0 26	<0 25	<0 25	<0 25	<0 25	<0 25	<0 25	<0 25	<0 31
AROCLOR-1242	UG/L	<0 25	<0 26	<0 25	<0 25	<0 25	<0 25	<0.25	<0 25	<0 25	<0 31
AROCLOR-1248	UG/L	<0 25	<0 26	<0 25	<0 25	<0 25	<0 25	<0 25	<0.25	<0 25	<0 31
AROCLOR-1254	UG/L	<0 25	<0 26	<0 25	<0 25	<0 25	<0 25	<0 25	<0 25	<0 25	<0 31
AROCLOR-1260	UG/L	<0 25	<0 26	<0 25	<0 25	<0 25	<0 25	<0 25	<0 25	<0 25	<0 31
BETA-BHC	UG/L	<0 0052	<0.0053	<0 0052	<0 0051	<0 0051	<0 0052	<0 0052	<0 0053	<0 0052	<0 0064
DELTA-BHC	UG/L	<0 0054	<0.0055	<0 0054	<0 0053	<0 0053	0 0097 QP	<0 0054	<0 0055	<0 0054	<0 0066
DIELDRIN	UG/L	<0.012	<0 012	<0 012	<0 012	<0 012	<0 012	<0 012	<0 012	<0 012	<0 015
ENDOSULFAN I	UG/L	<0 0054	<0 0055	<0 0054	<0 0053	<0 0053	<0 0054	<0 0054	<0 0055	<0 0054	<0 0066
ENDOSULFAN II	UG/L	<0.0091	<0 0093	<0 0091	<0.0090	<0 0089	<0 0091	<0.0091	<0.0092	<0 0091	<0 011
ENDOSULFAN SULFATE	UG/L	<0 012	<0 012	<0 012	<0 012	<0 012	<0 012	<0 012	<0 012	<0 012	<0 015
ENDRIN	UG/L	<0 0087	<0 0089	<0 0087	<0 0086 *	<0 0085	<0 0087	<0 0087	<0 0088	<0 0087	<0 011
ENDRIN ALDEHYDE	UG/L	<0 010	<0.011	<0 010	<0 010	<0 010	<0 010	<0.010	<0.010	<0 010	<0 013
ENDRIN KETONE	UG/L	<0 0092 &	<0 0094 &	<0 0092 &	<0 0090 &	<0 0090 &	<0 0092 &	<0 0092 &	<0 0093 &	<0 0092 &	<0 011 &
GAMMA-BHC (LINDANE)	UG/L	<0 0053	<0 0054	<0 0053	<0 0052	<0 0052	0 024 P	<0 0053	<0 0054	0 0068 QP	<0 0065
GAMMA-CHLORDANE	UG/L	<0 0052	<0 0053	<0 0052	<0 0051	<0 0051	<0 0052	<0 0052	<0 0053	<0 0052	<0 0064
HEPTACHLOR	UG/L	<0 0064	<0 0065	<0 0064	<0 0063	<0 0062	<0 0064	<0.0064	<0 0065	<0 0064	<0 0078
HEPTACHLOR EPOXIDE	UG/L	<0 0058	<0 0059	<0 0058	<0 0057	<0 0057	<0.0058	<0 0058	<0 0059	<0 0058	<0 0071
METHOXYCHLOR	UG/L	<0 065	<0 066	<0.065	<0 064	<0 063	<0 065	<0 065	<0 066	<0 065	<0 079
TOXAPHENE	UG/L	<0 48	<0 49	<0 48	<0 47	<0 47	<0 48	<0 48	<0 48	<0.48	<0 58

Notes
Baseline MNA monitoring was conducted in July 2006
Laboratory and data validation qualifier key in Table A5
"--" = Not analyzed

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Table B-5
Laboratory and Data Validation Qualifiers
Lemberger Landfill Sites

LABORATORY QUALIFIERS		
QUALIFIER	FRACTION	DEFINITION
A	Inorganic	Analyte is detected in the method blank.
B	Inorganic	Analyte is detected in the method blank. The analyte is detected between the method detection limit and the reporting limit.
B	Organic	Analyte is detected in the method blank.
BB	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
BI	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48-hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
DA	Inorganic	Dissolved analyte is greater than the total analyte; analysis passed QC based on precision criteria.
E	Inorganic	Analyte concentration exceeds the maximum linear Quantitation Limit of the instrument Concentration is estimated due to matrix interferences.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by ICP techniques, this analyte has been confirmed by, and reported from, an alternate method.
F	Organic	Surrogate results are outside control limits.
H	Inorganic/ Organic	Extraction and/or analysis was performed past the holding time.
I	Inorganic	Concentration is estimated due to severe matrix interference.
J	Organic	Qualitative evidence of analyte is present: concentration detected is greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample was received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
M	Inorganic	Elevated detection limit is due to matrix effects.
M	Organic	Sample pH was greater than two.
N	Inorganic/ Organic	Spiked sample recovery is not within control limits.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	Inorganic/ Organic	The analyte has been detected between the Limit of Detection (LOD) and the Limit of Quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.

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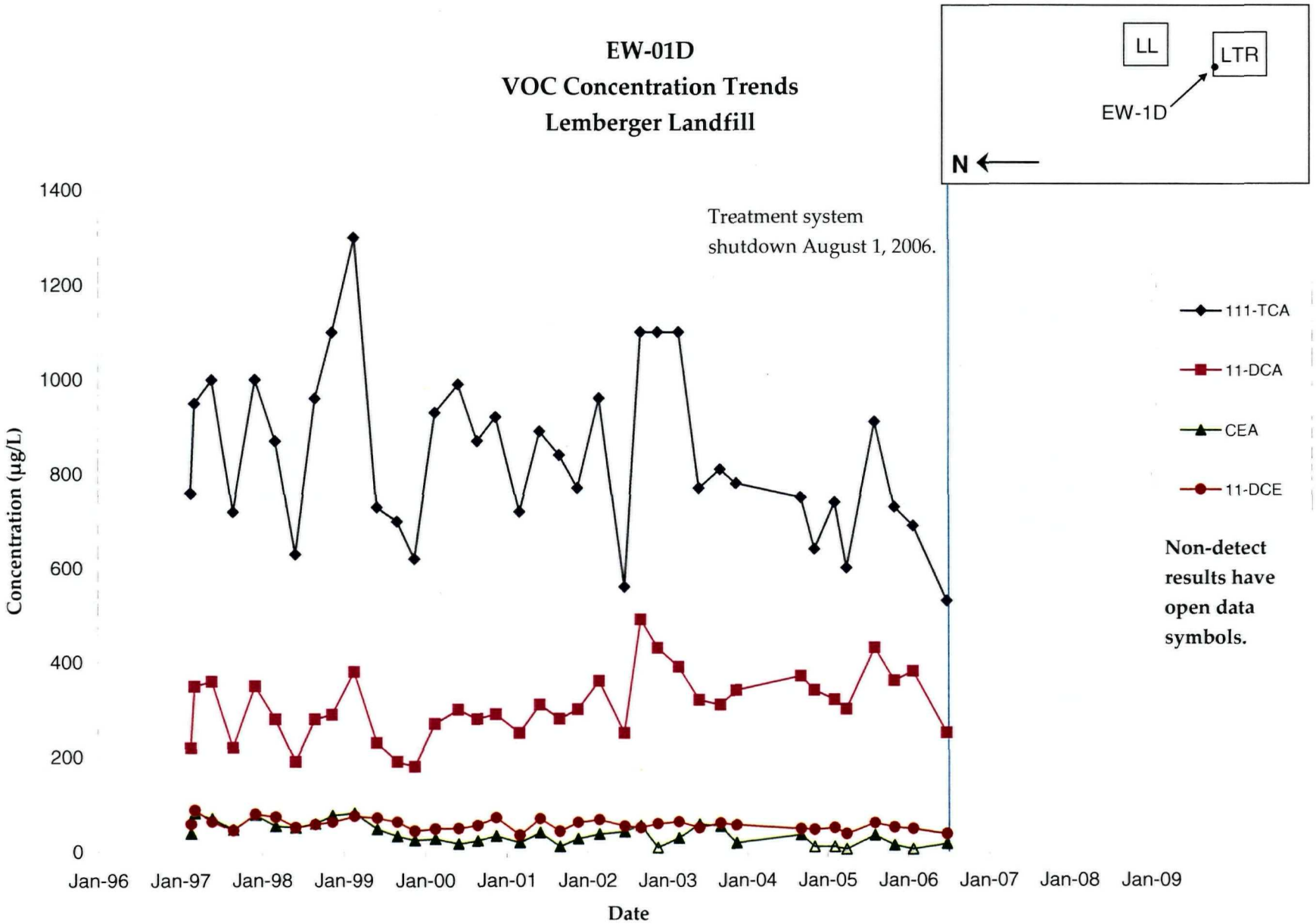
Table B-5 (continued)
Laboratory and Data Validation Qualifiers
Lemberger Landfill Sites

LABORATORY QUALIFIERS		
QUALIFIER	FRACTION	DEFINITION
S	Inorganic	The reported value was determined by the Method of Standard Addition.
UN	Inorganic	Sample was not preserved to pH < 2.0.
W	Inorganic	Post-digestion spike was out of control limits.
W	Organic	Sample was received with headspace.
X	Inorganic/ Organic	See Sample Narrative.
1	Inorganic	Dissolved analyte or filtered analyte is greater than the total analyte; analysis passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte is greater than the total analyte; analysis failed QC based on precision criteria.
8	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48-hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
#	Inorganic	Duplicate analyses are not within control limits.
&	Inorganic/ Organic	Laboratory Control Spike recovery is not within control limits.
*	Inorganic/ Organic	Duplicate analyses are not within control limits.
X	Inorganic/ Organic	See sample narrative for information related to these samples.
DATA VALIDATION QUALIFIERS		
b		Analyte is present in the associated trip blank.
f		Analyte is present in the associated field blank.
j		When specific QC criteria are outside the established control limits, the reported Quantitation Limit is approximate and may or may not represent the actual Limit of Quantitation necessary to accurately and precisely measure the analyte in the sample.
s		Analyte is present in the associated storage blank.
u		Analyte is present at less than 10 times the concentration in the associated trip, field, storage, and/or laboratory method blank (B) for common laboratory contaminants, or less than 5 times the blank concentration of other compounds and is therefore qualified as nondetectable (u) according to USEPA data validation procedures.

Note:
The definitions of laboratory flags have changed over time, and flags may have different definitions for inorganic versus organic analyses. The above table represents the most comprehensive list of definitions available for the Lemberger site historical data.

APPENDIX C

Appendix C
VOC Trend Plots and Upper Confidence Limit (UCL) Calculations



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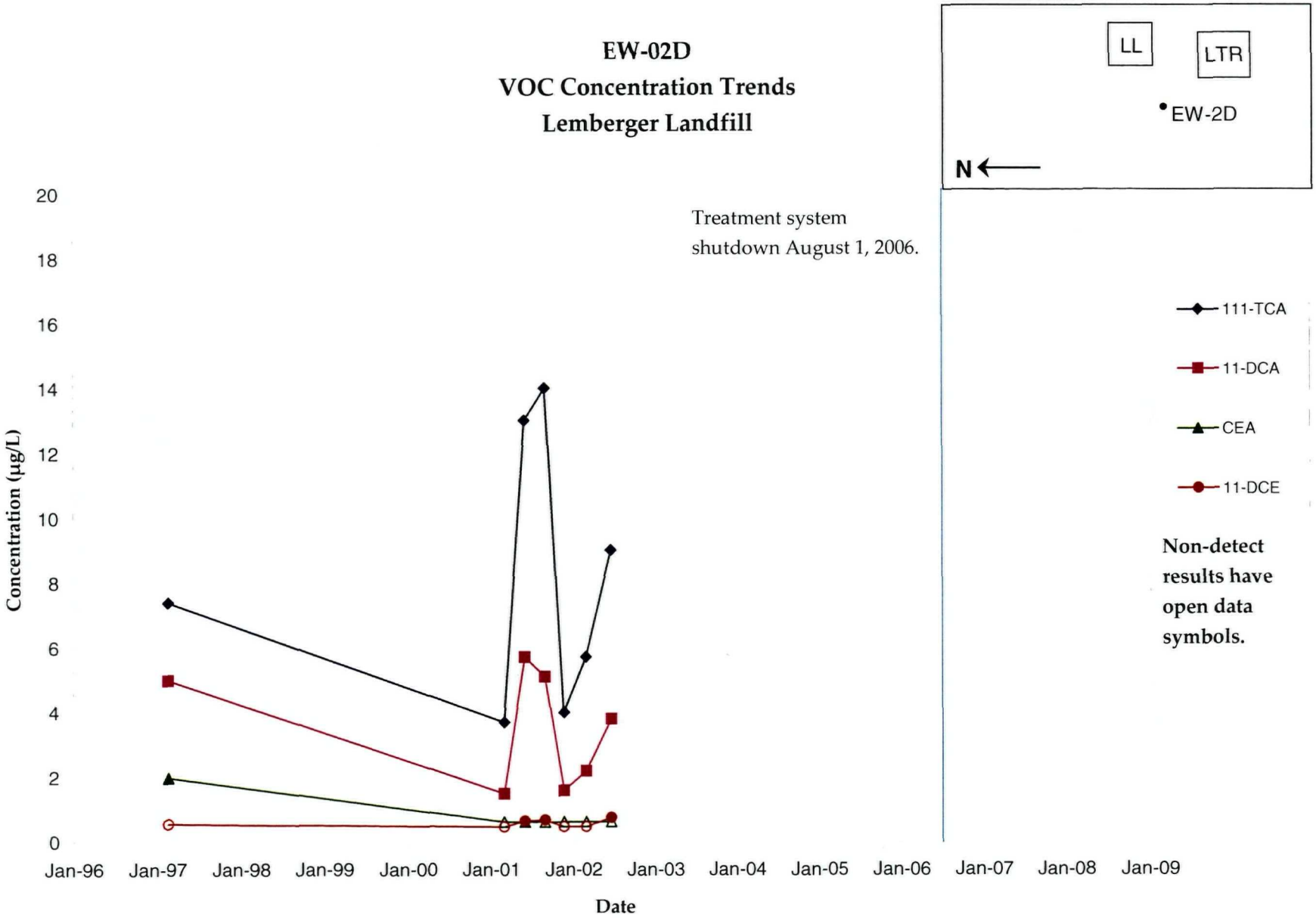
EW-02D
VOC Concentration Trends
Lemberger Landfill



2

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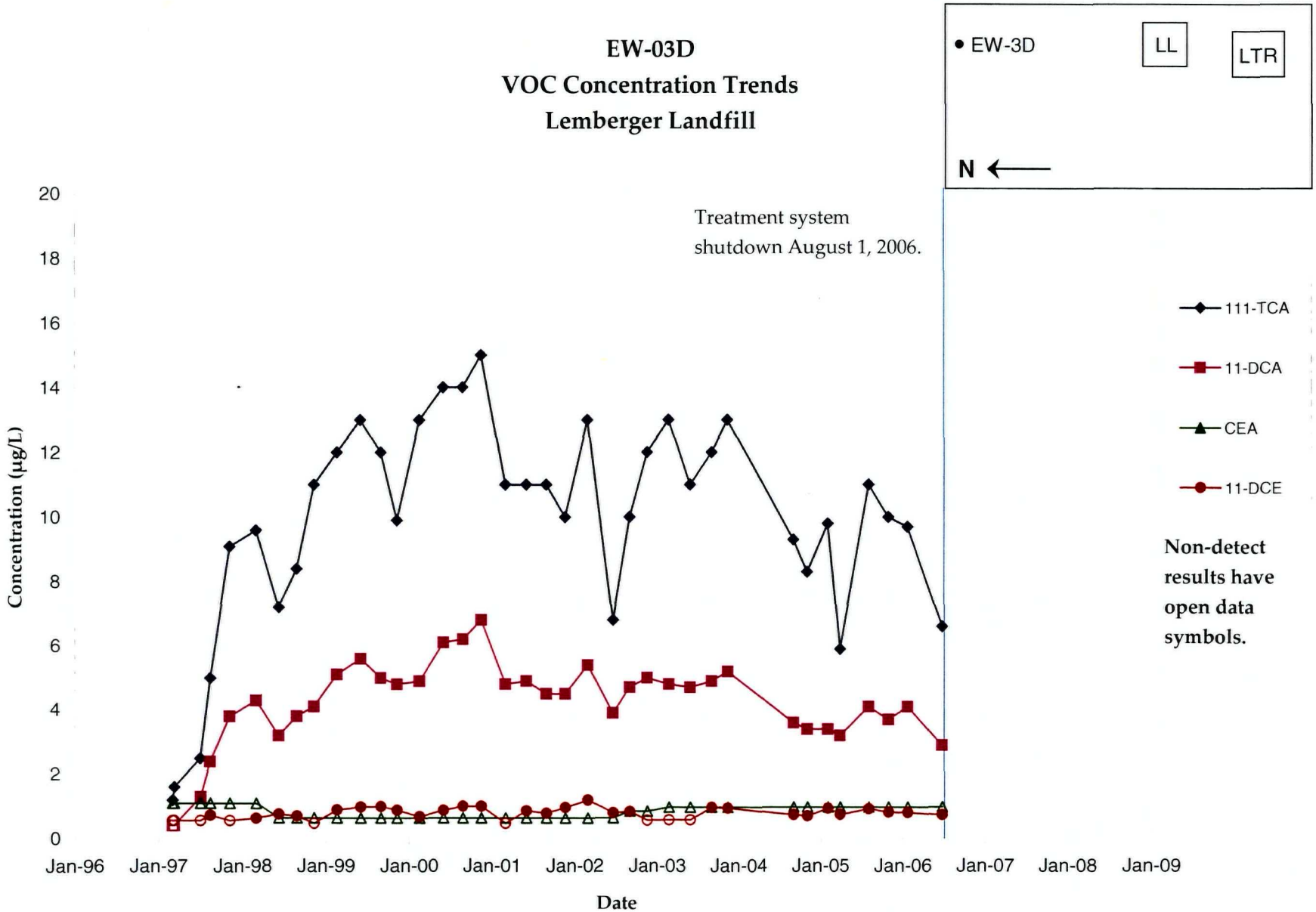

3

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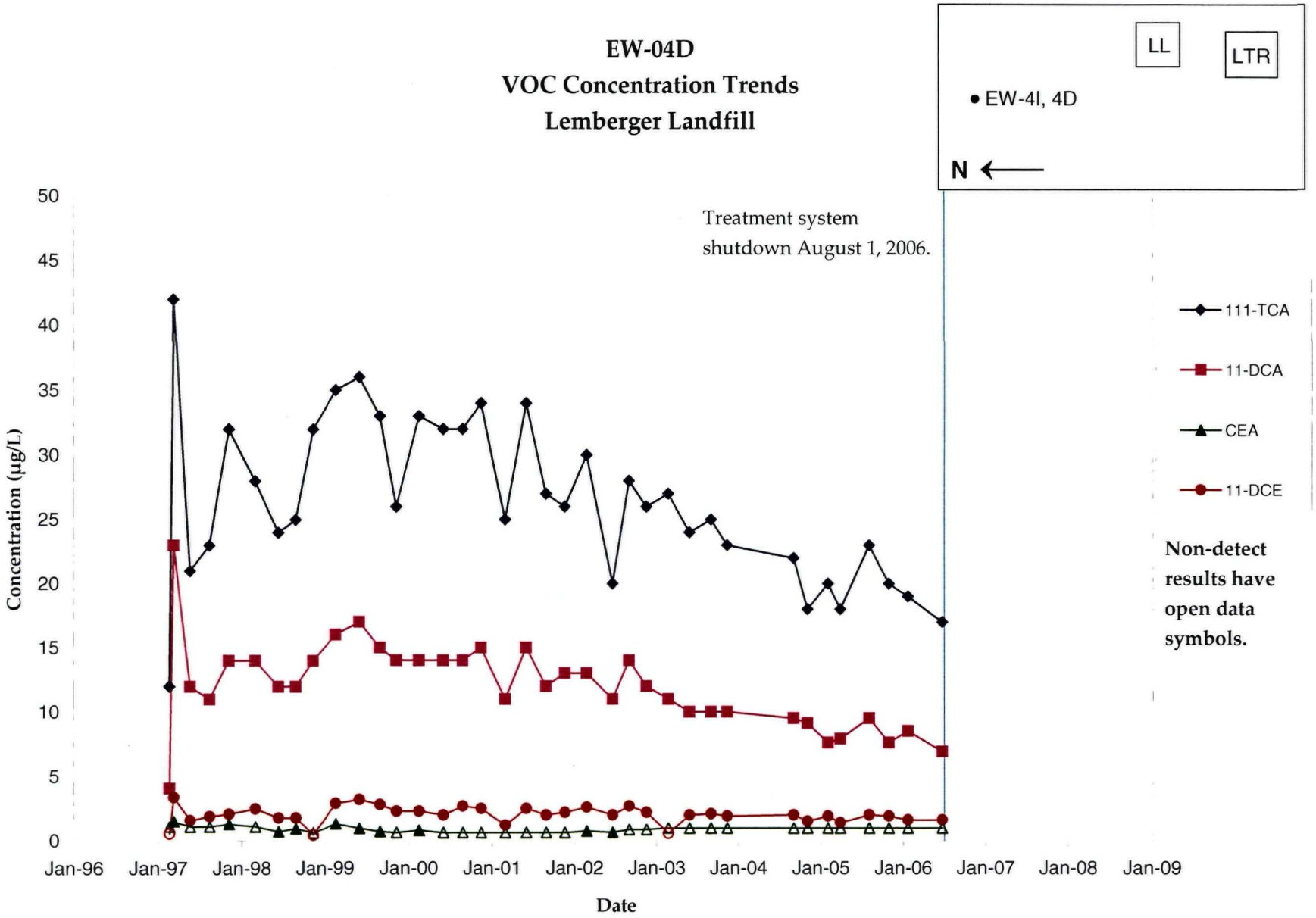
EW-04D
VOC Concentration Trends
Lemberger Landfill



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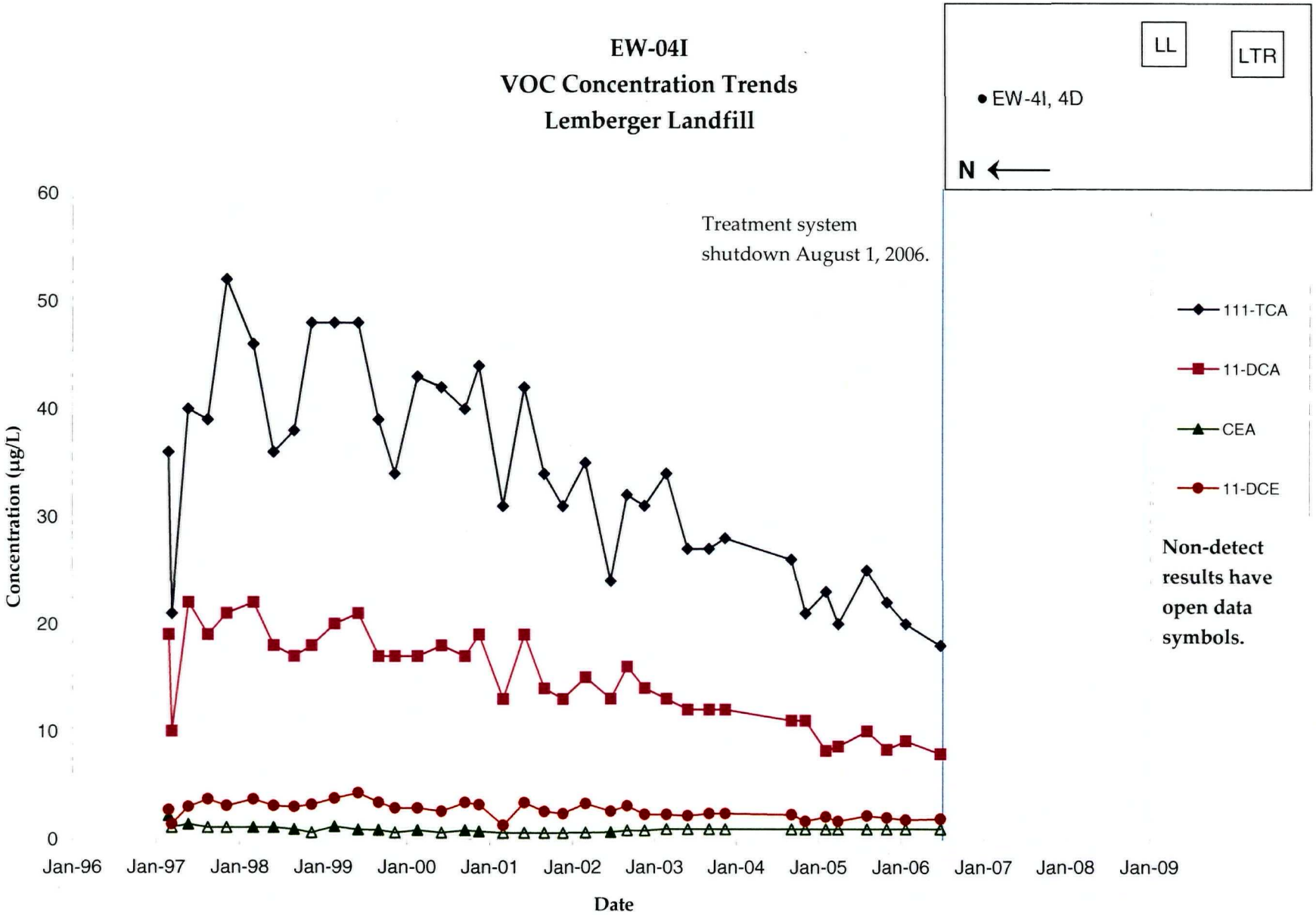

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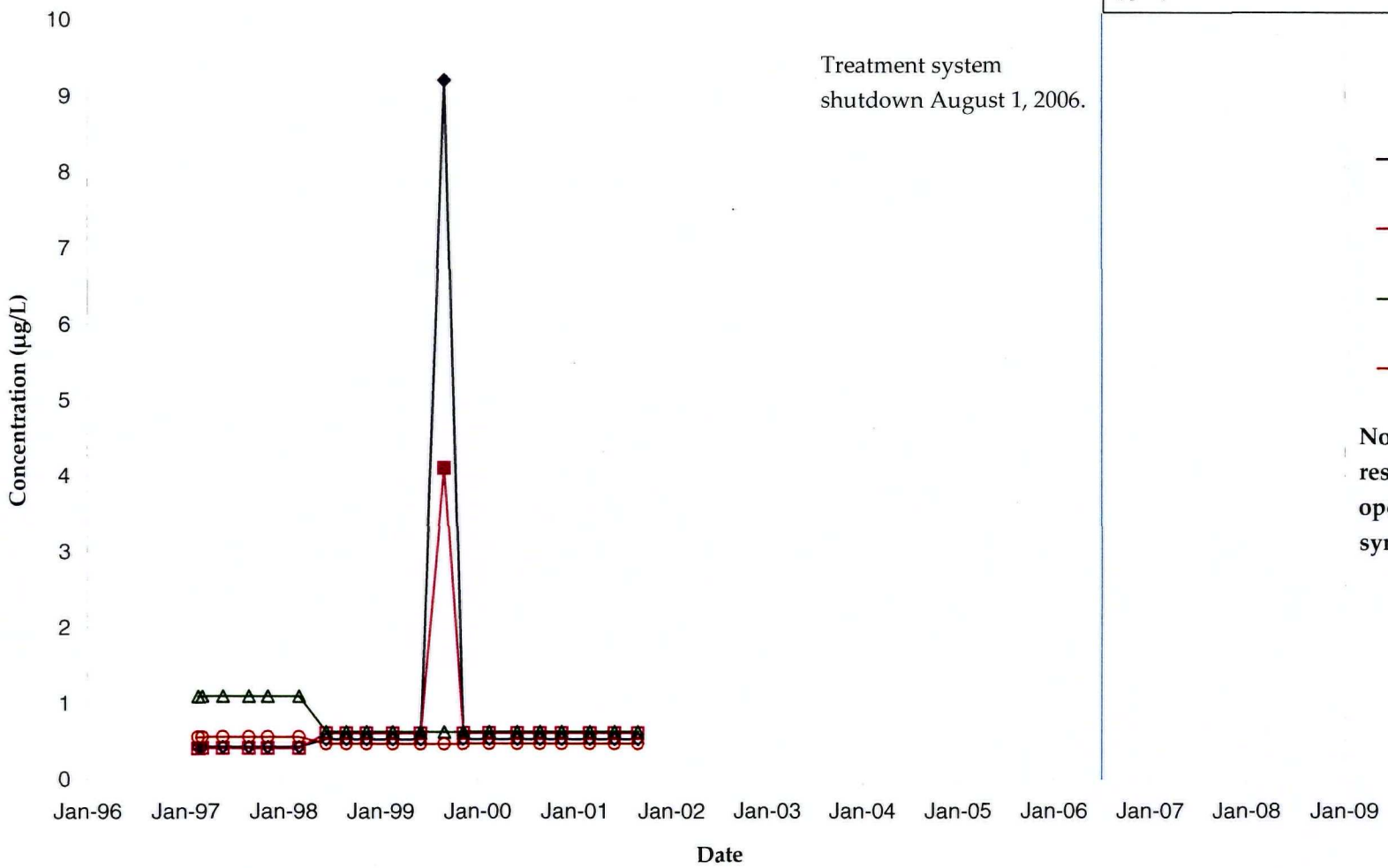
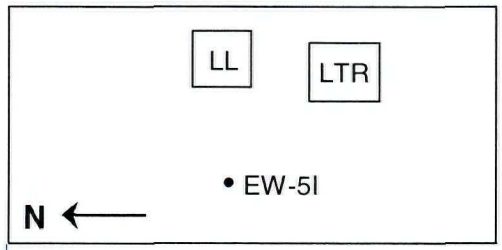
EW-05I
VOC Concentration Trends
Lemberger Landfill



Treatment system shutdown August 1, 2006.



111-TCA
11-DCA
CEA
11-DCE

Non-detect results have open data symbols.

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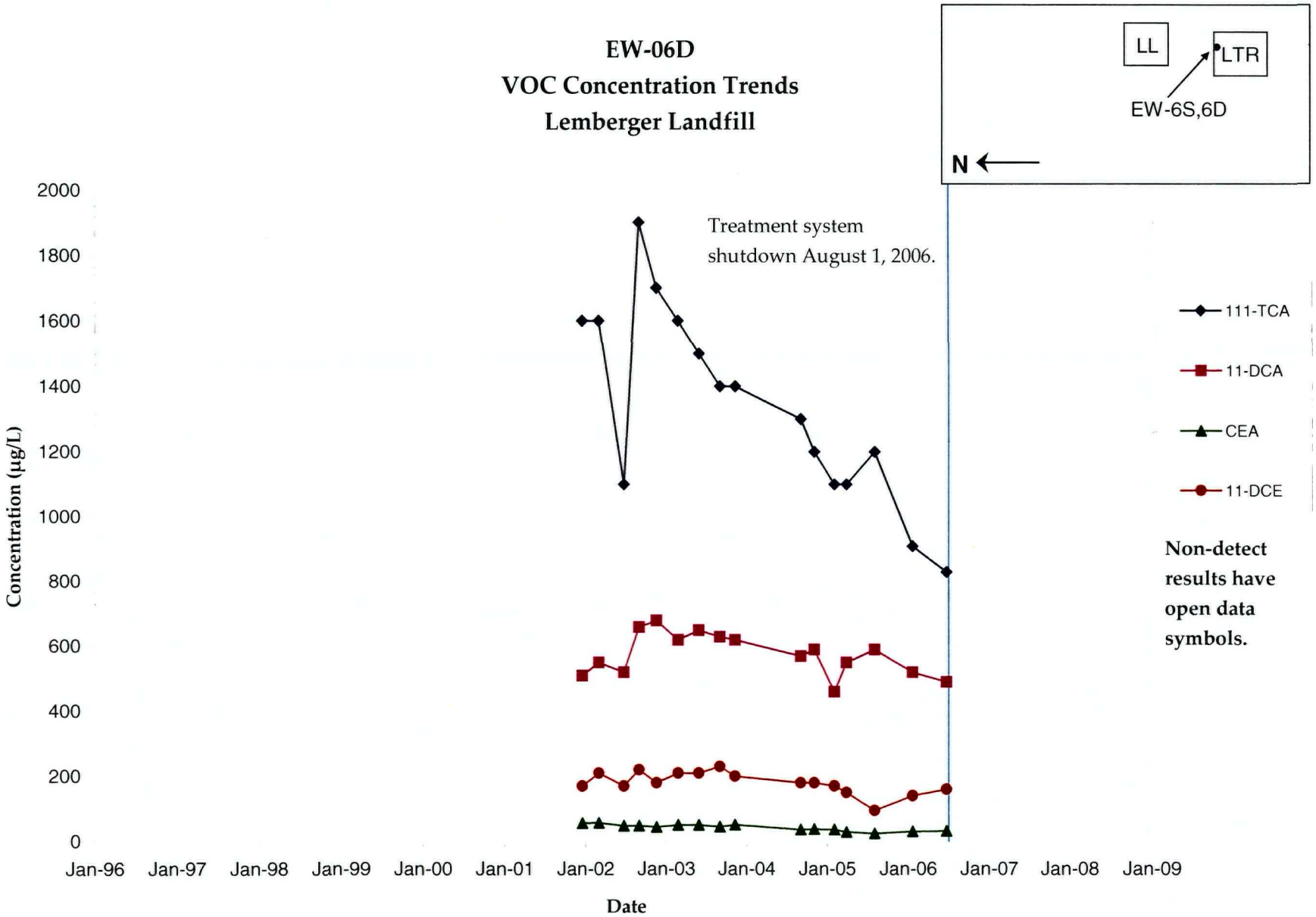
EW-06D
VOC Concentration Trends
Lemberger Landfill



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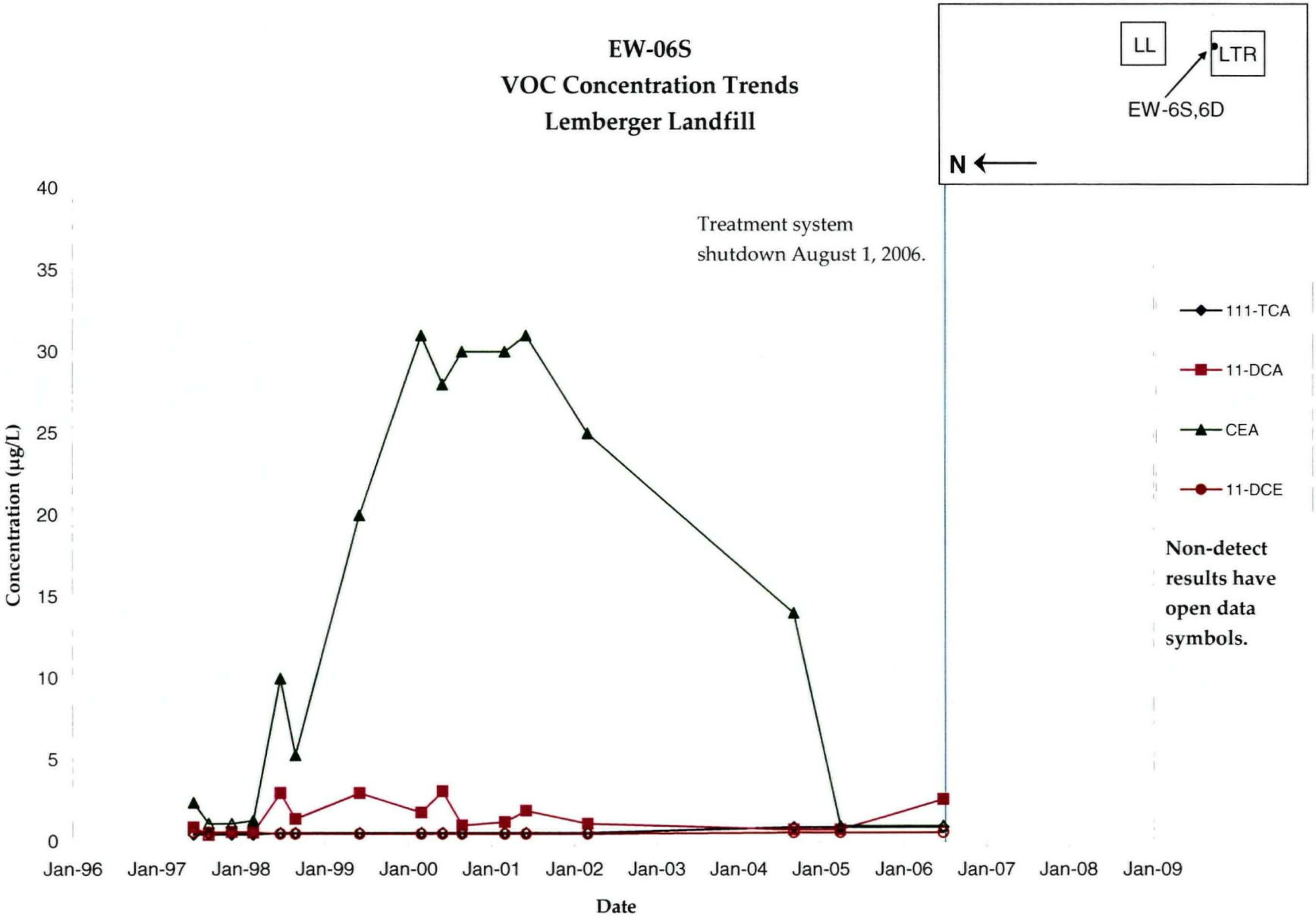

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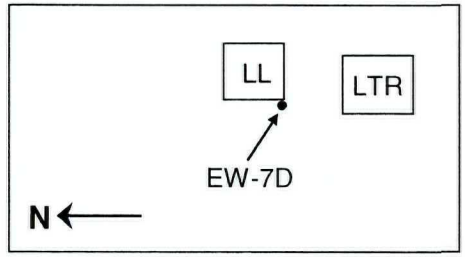
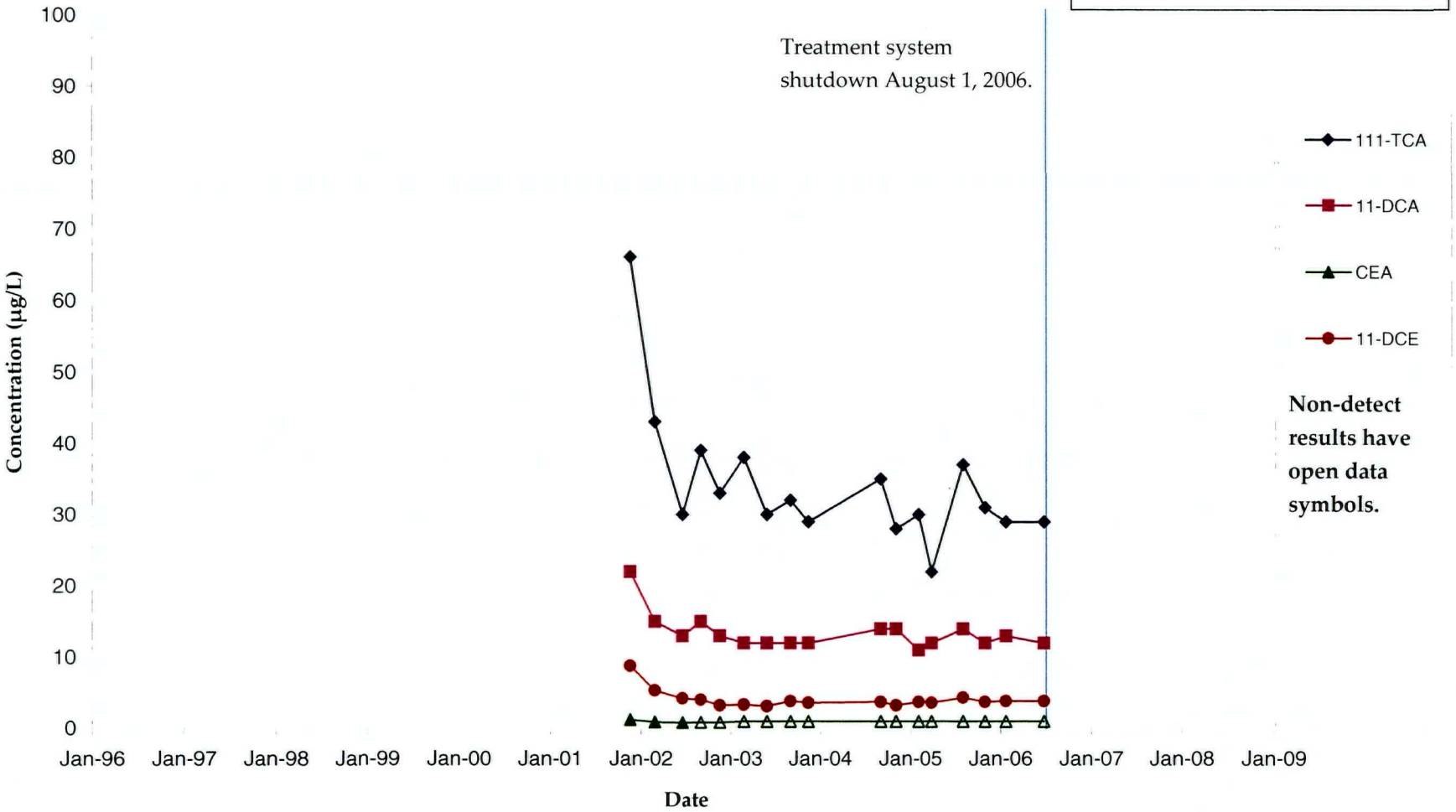
EW-07D
VOC Concentration Trends
Lemberger Landfill





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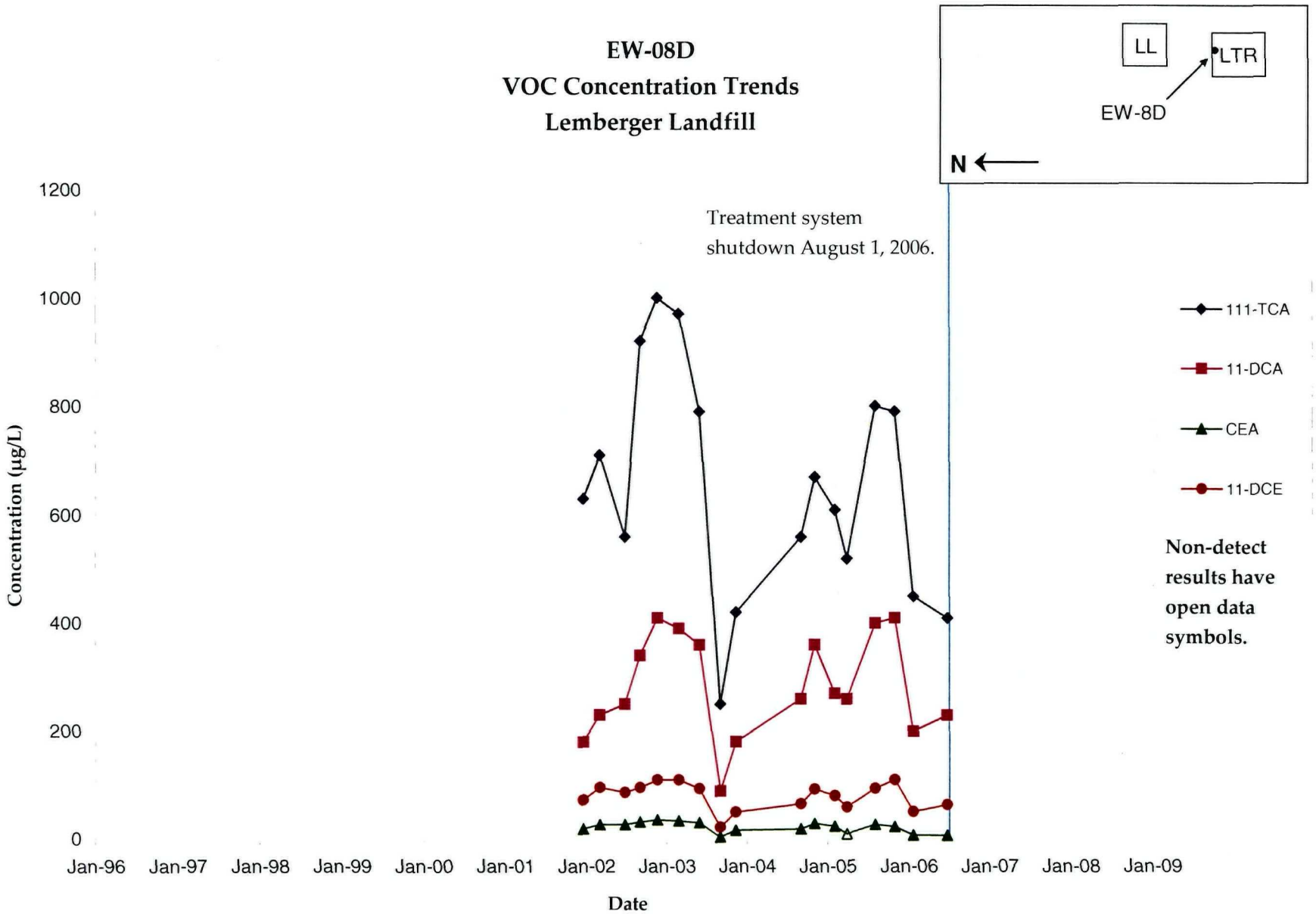

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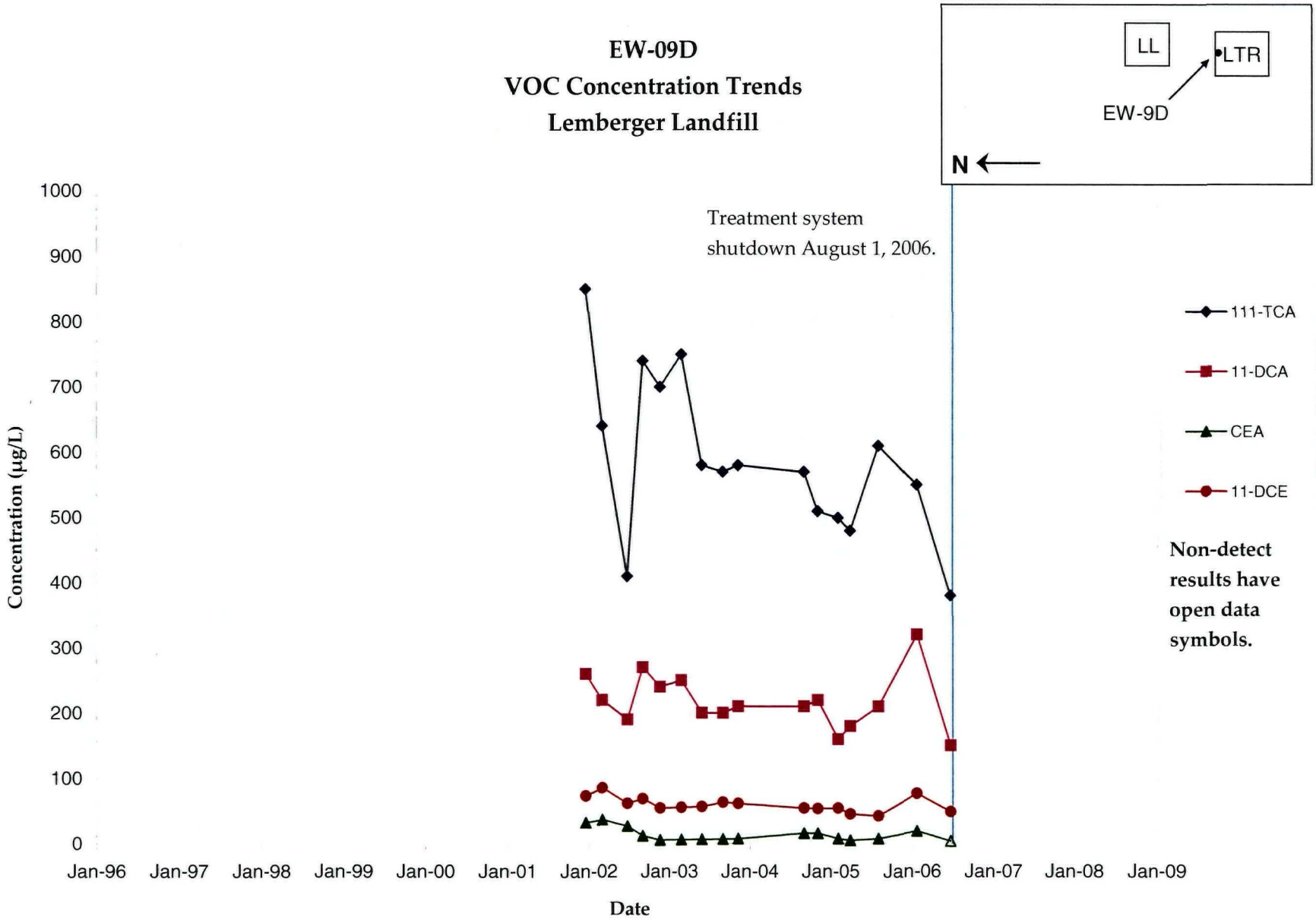
EW-09D
VOC Concentration Trends
Lemberger Landfill



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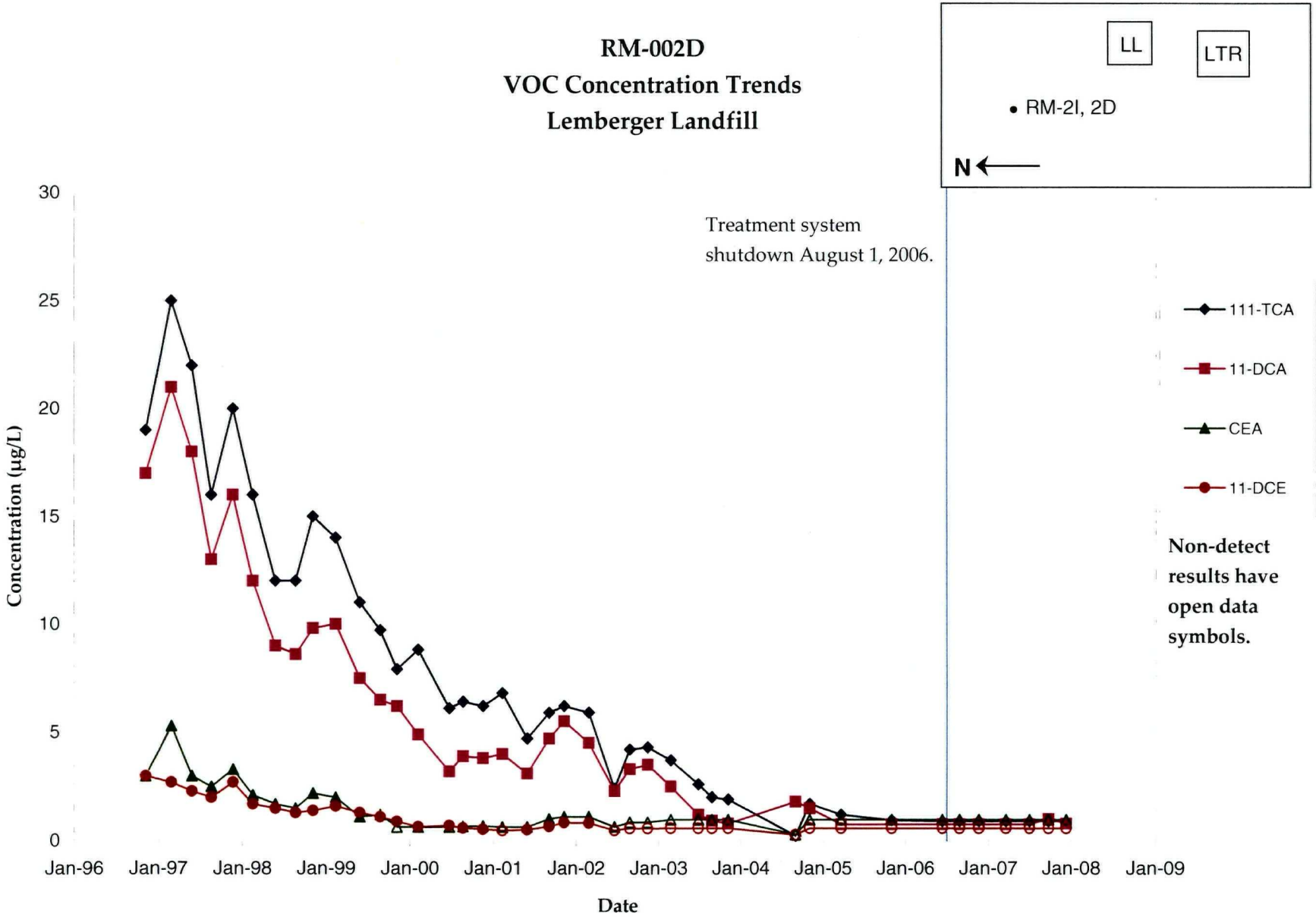
RM-002D
VOC Concentration Trends
Lemberger Landfill



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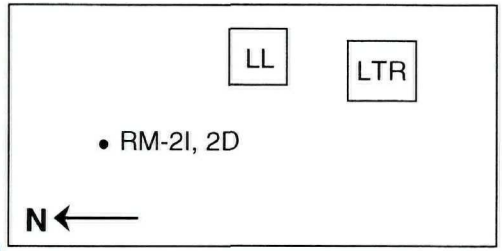
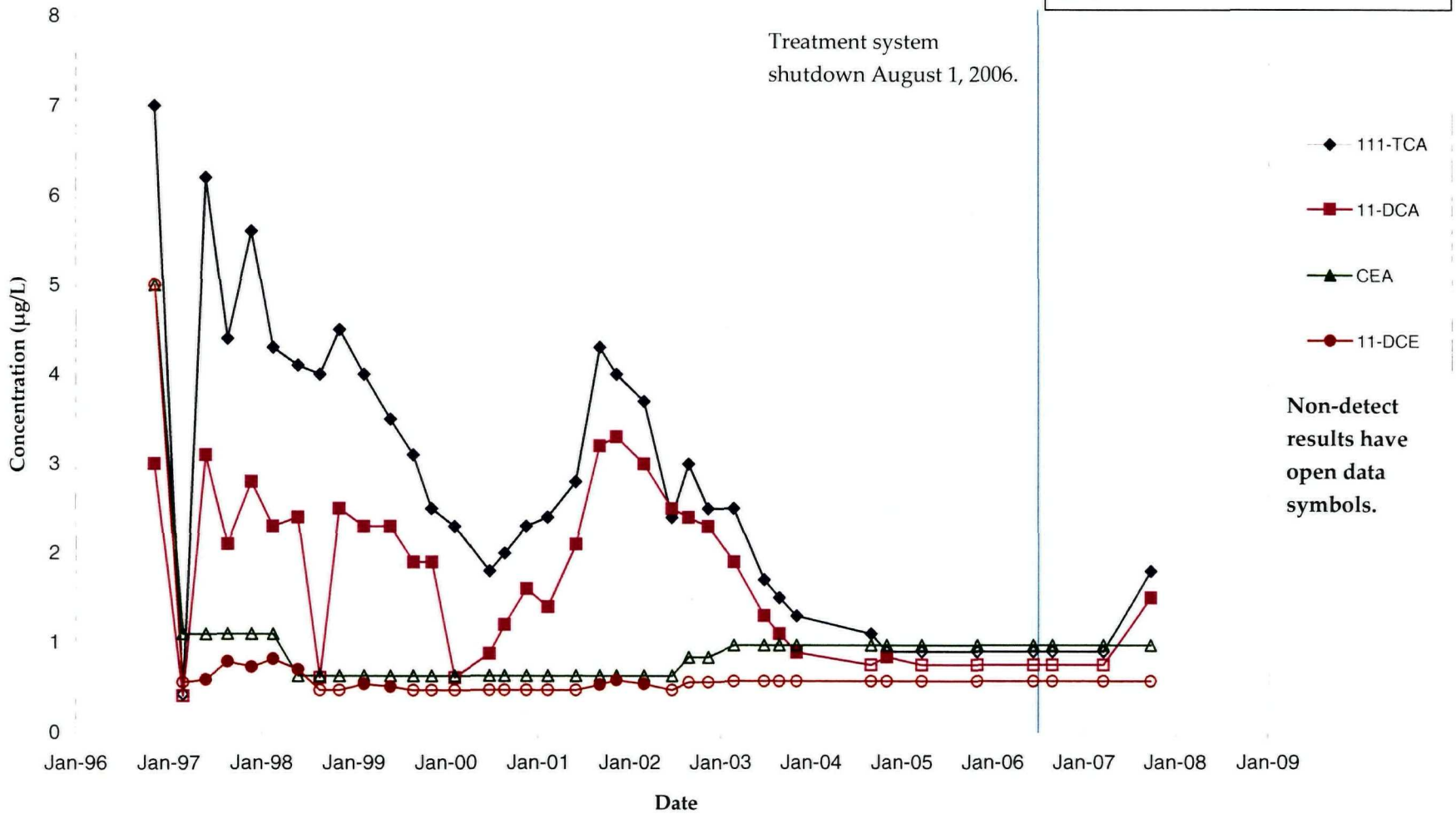
RM-002I
VOC Concentration Trends
Lemberger Landfill





13

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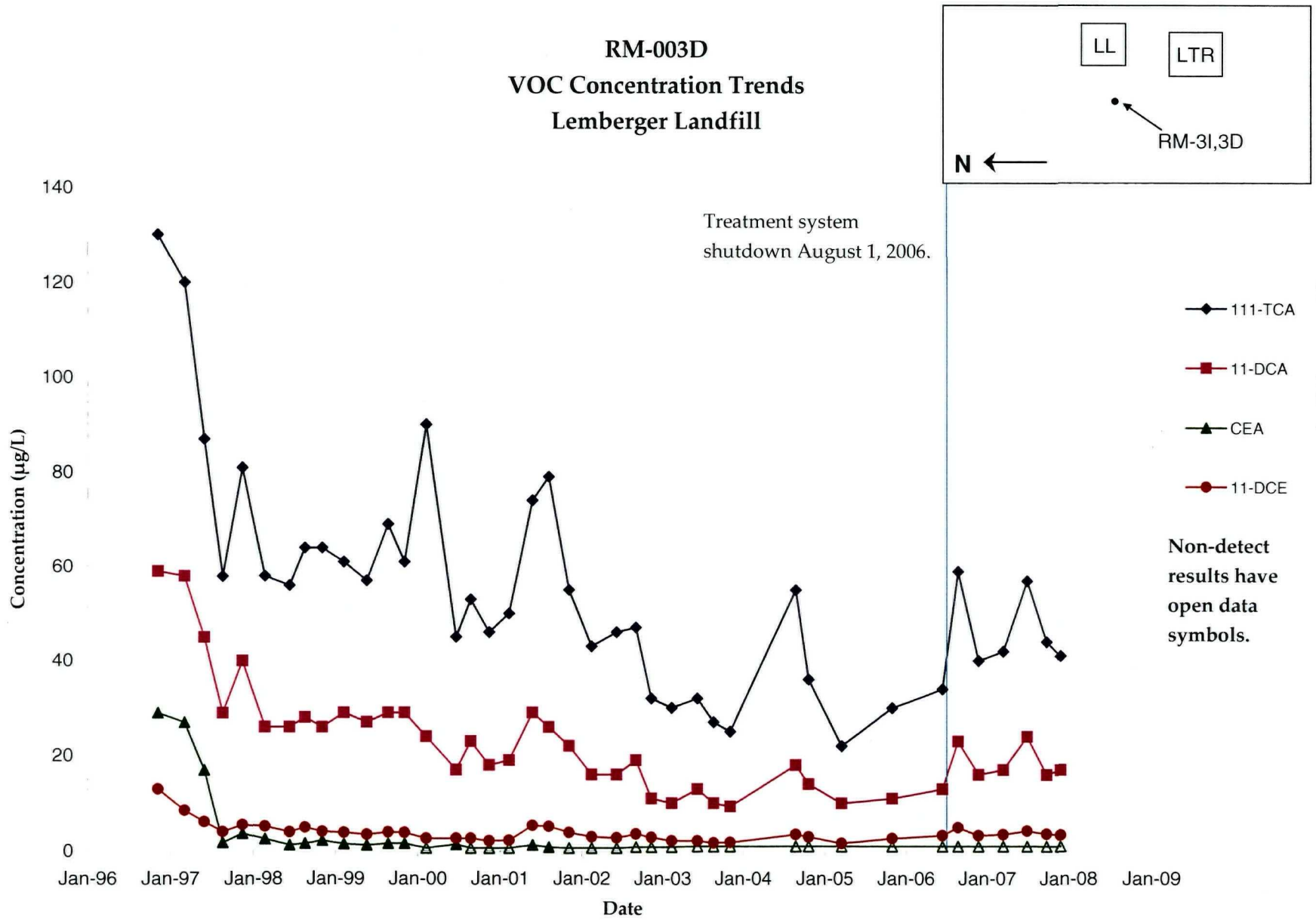

14

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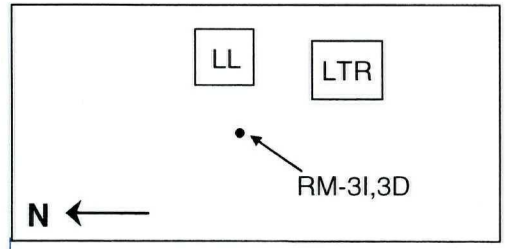
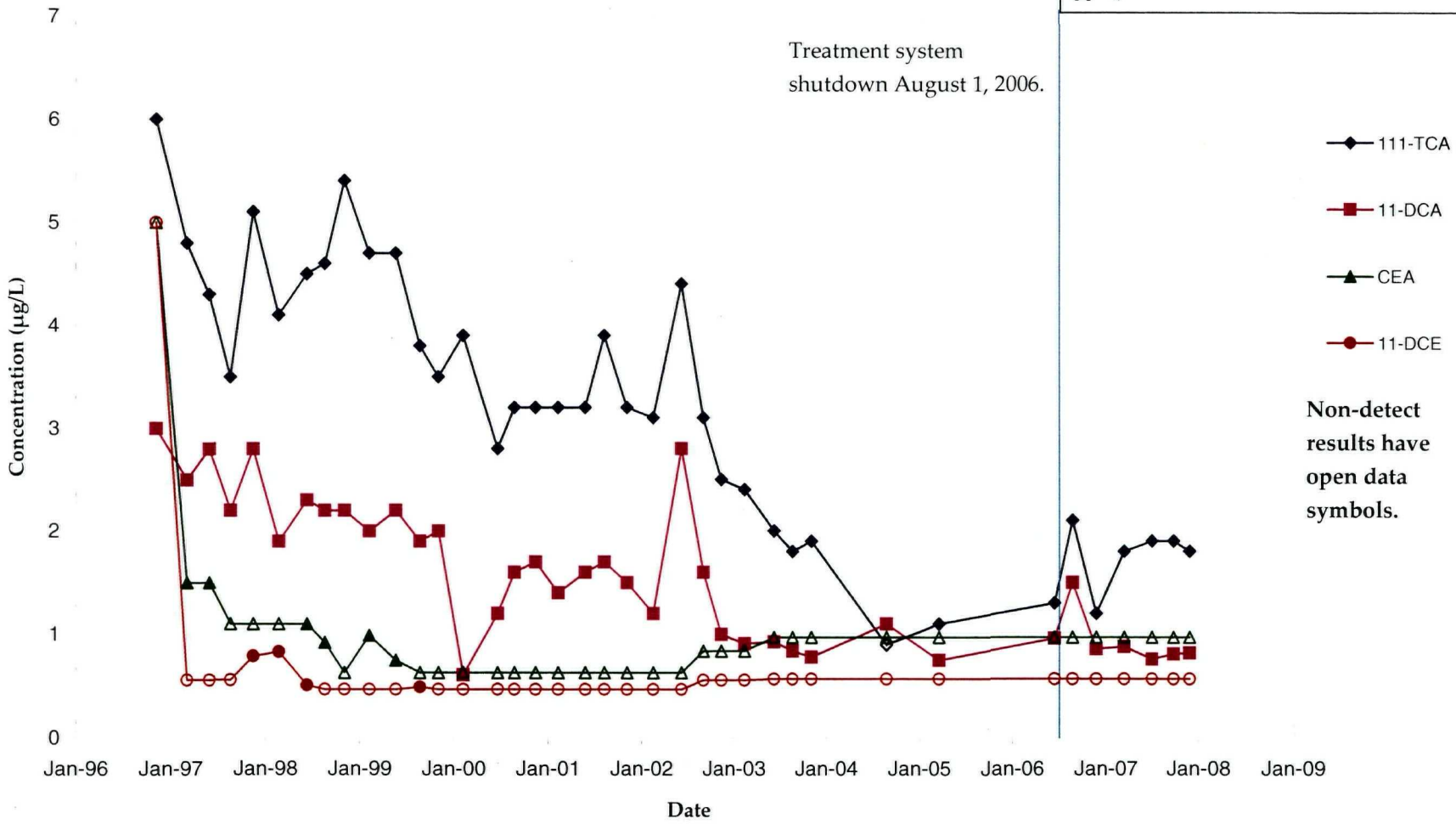
RM-003I
VOC Concentration Trends
Lemberger Landfill





Non-detect results have open data symbols.

15

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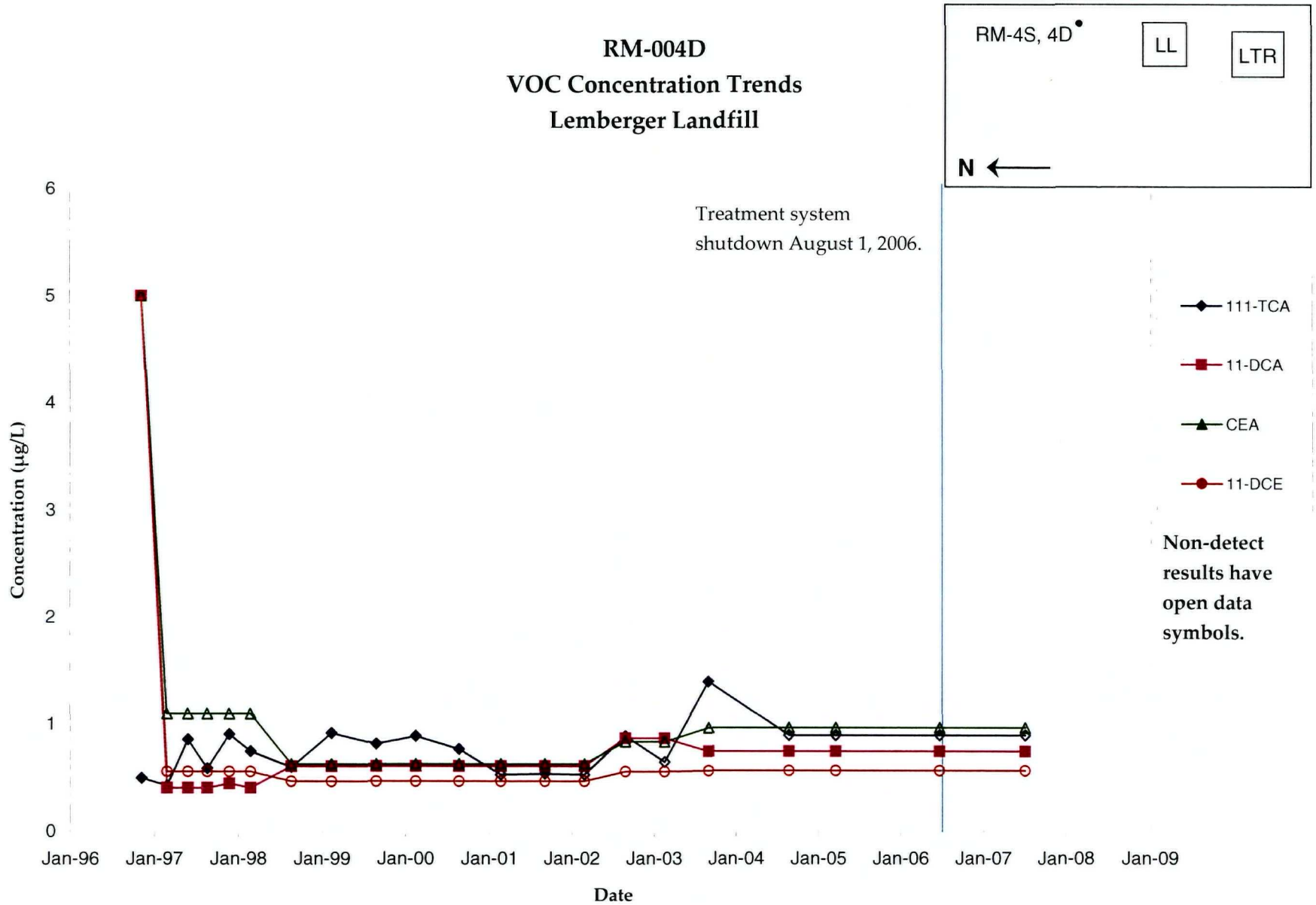
RM-004D
VOC Concentration Trends
Lemberger Landfill



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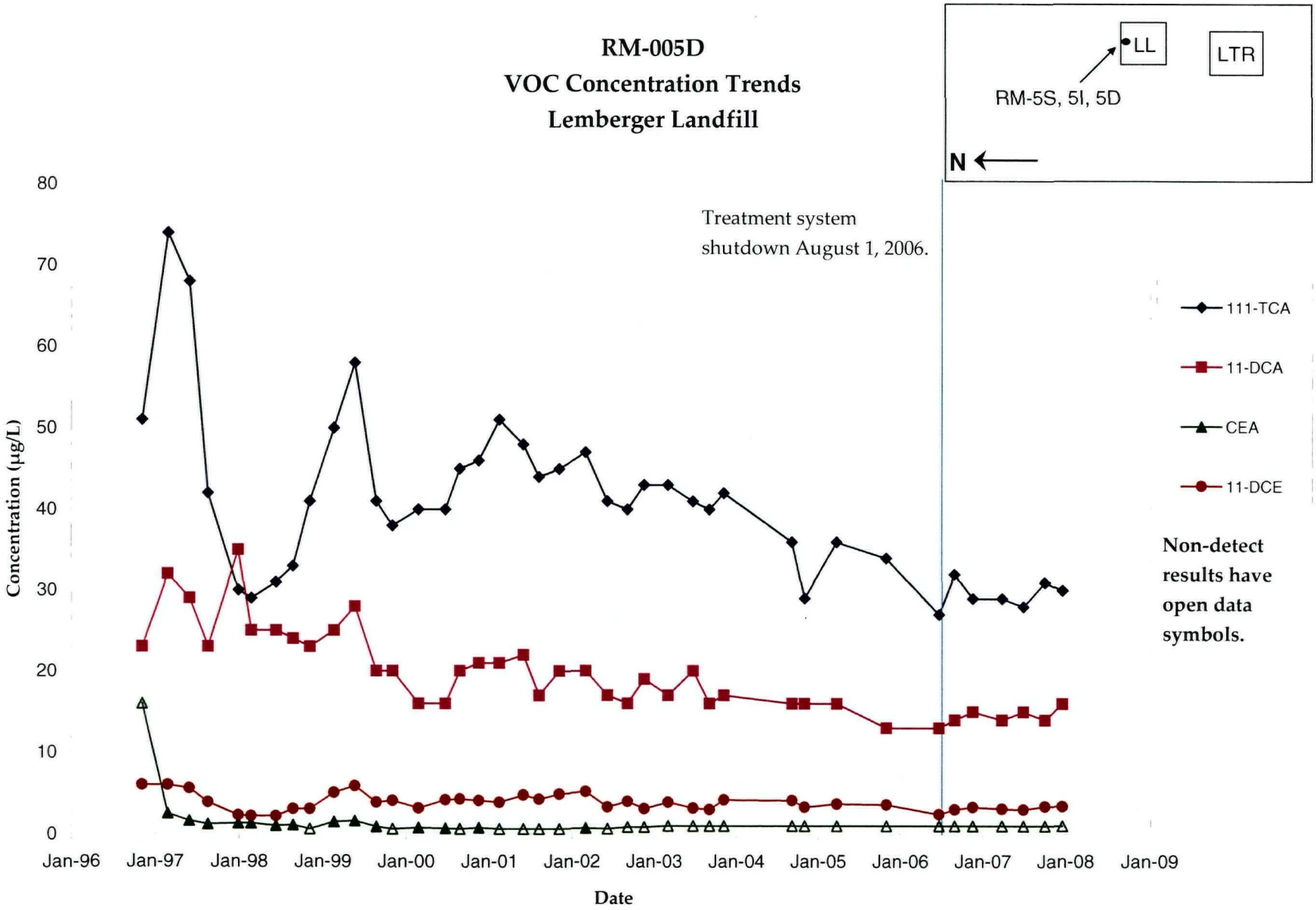

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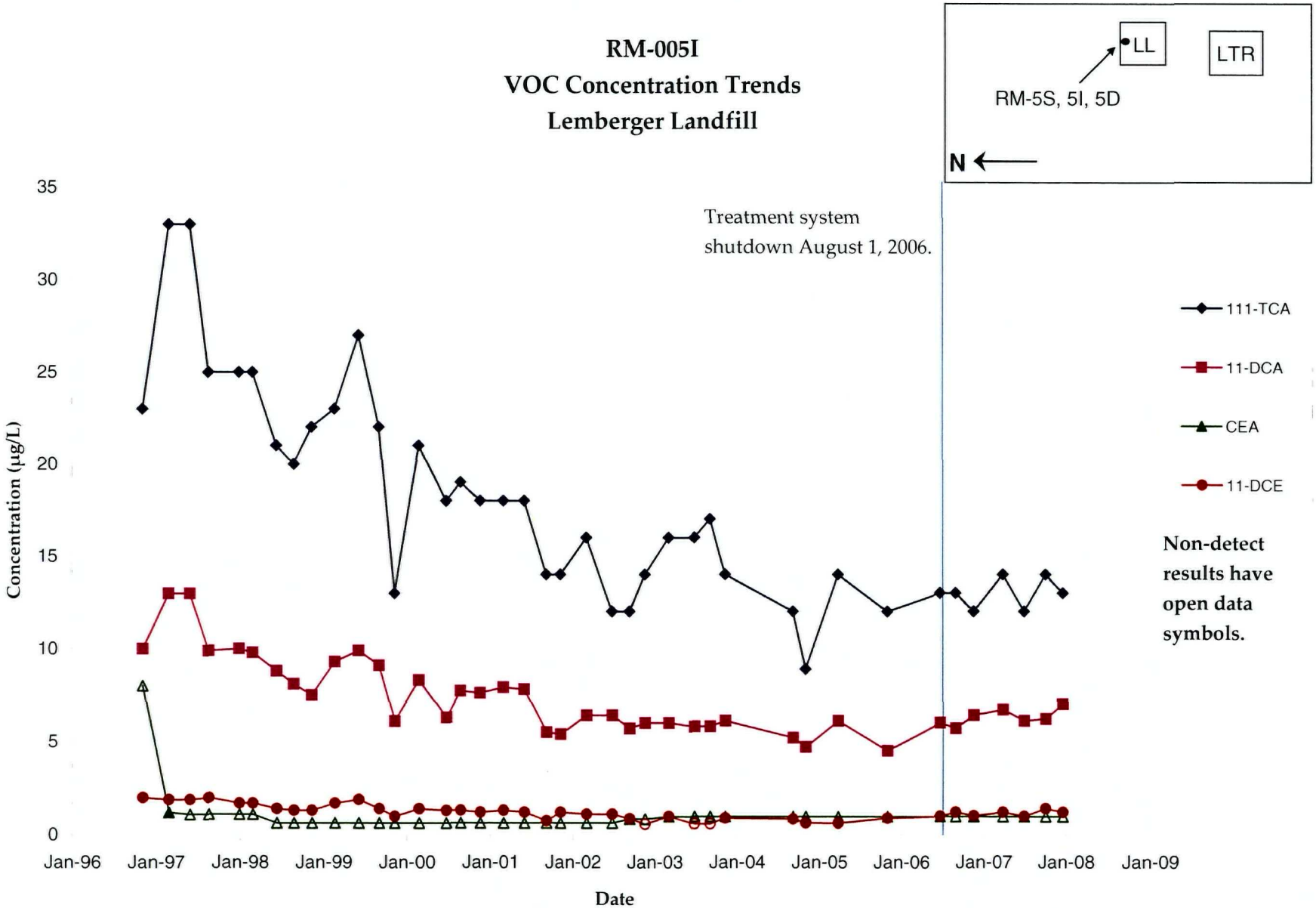
RM-005I
VOC Concentration Trends
Lemberger Landfill



8

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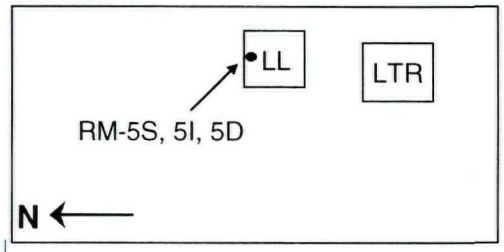
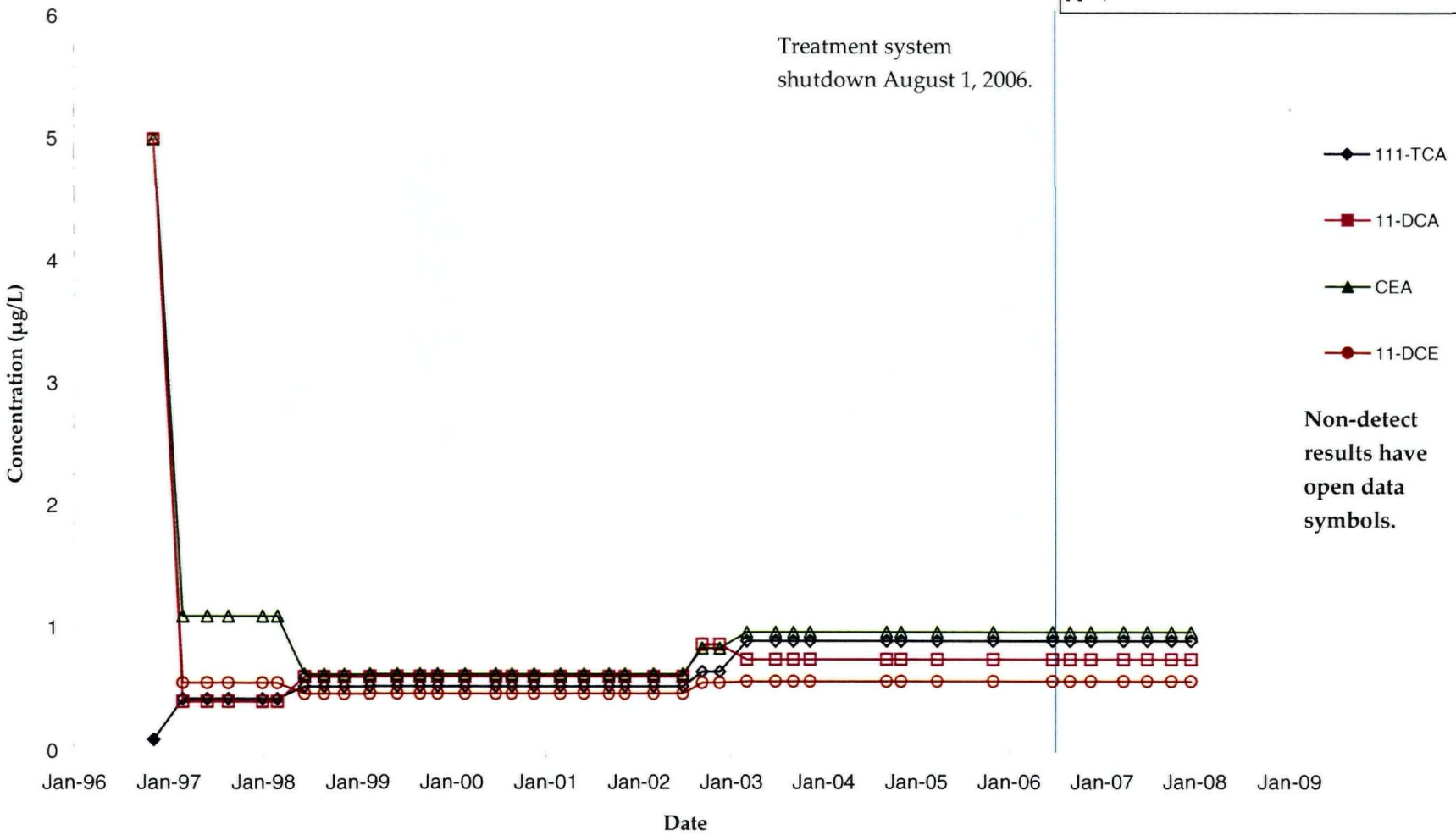
RM-005S
VOC Concentration Trends
Lemberger Landfill





5

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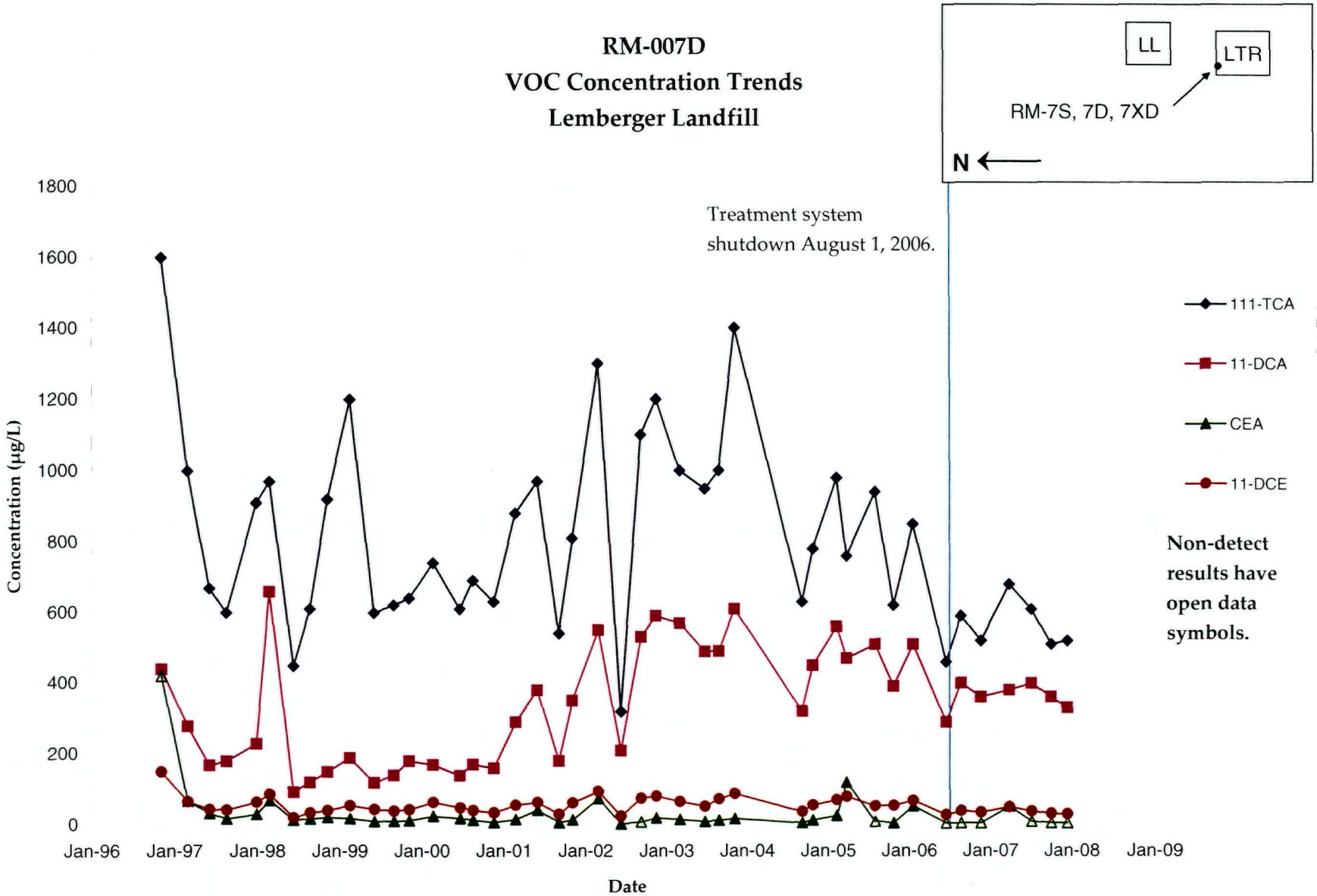
RM-007D
VOC Concentration Trends
Lemberger Landfill



20

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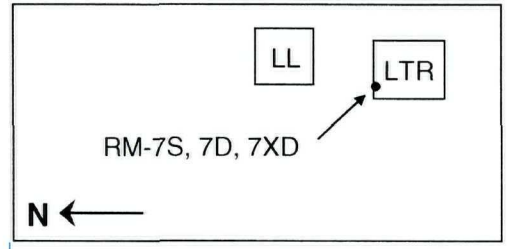
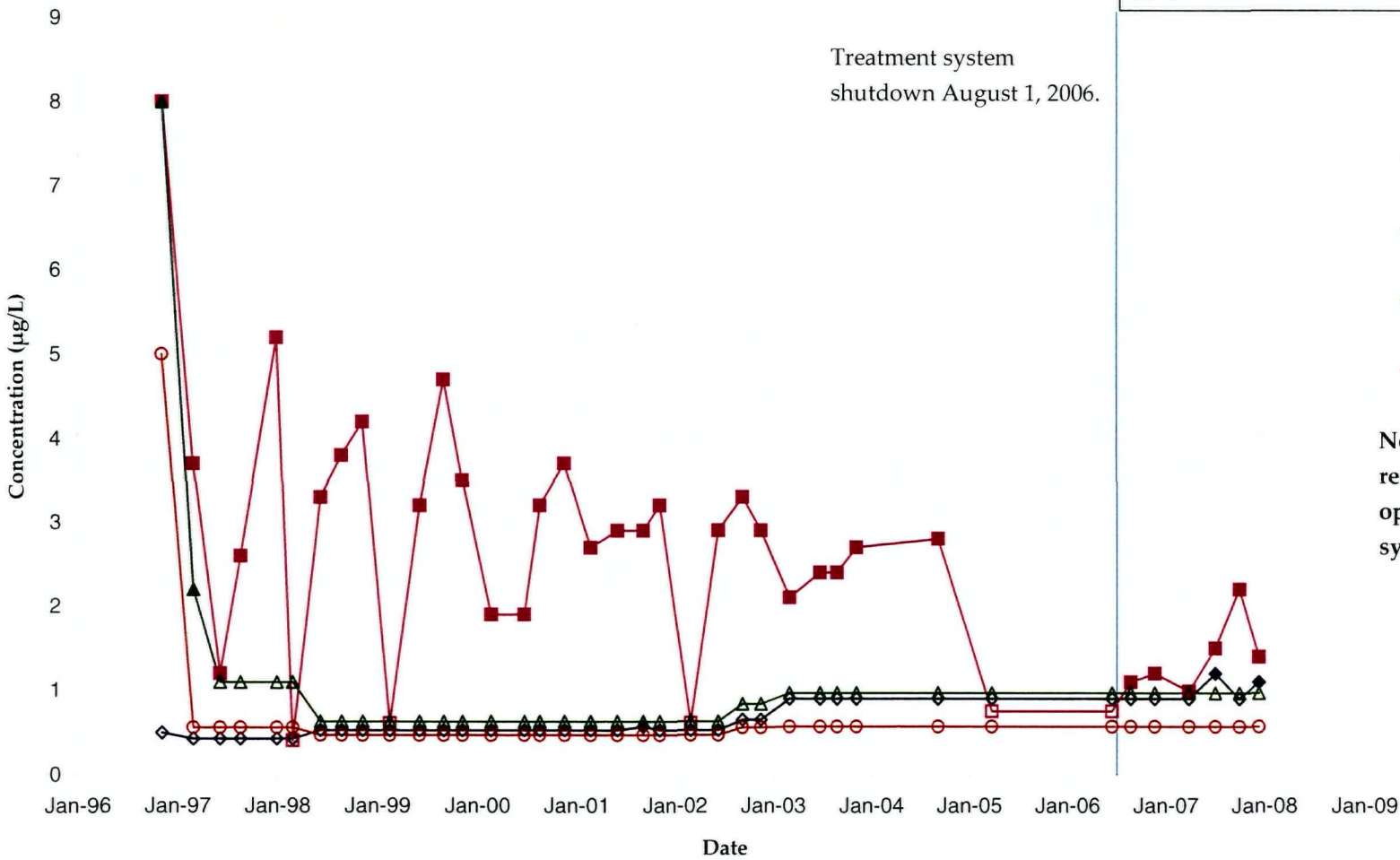
RM-007S
VOC Concentration Trends
Lemberger Landfill





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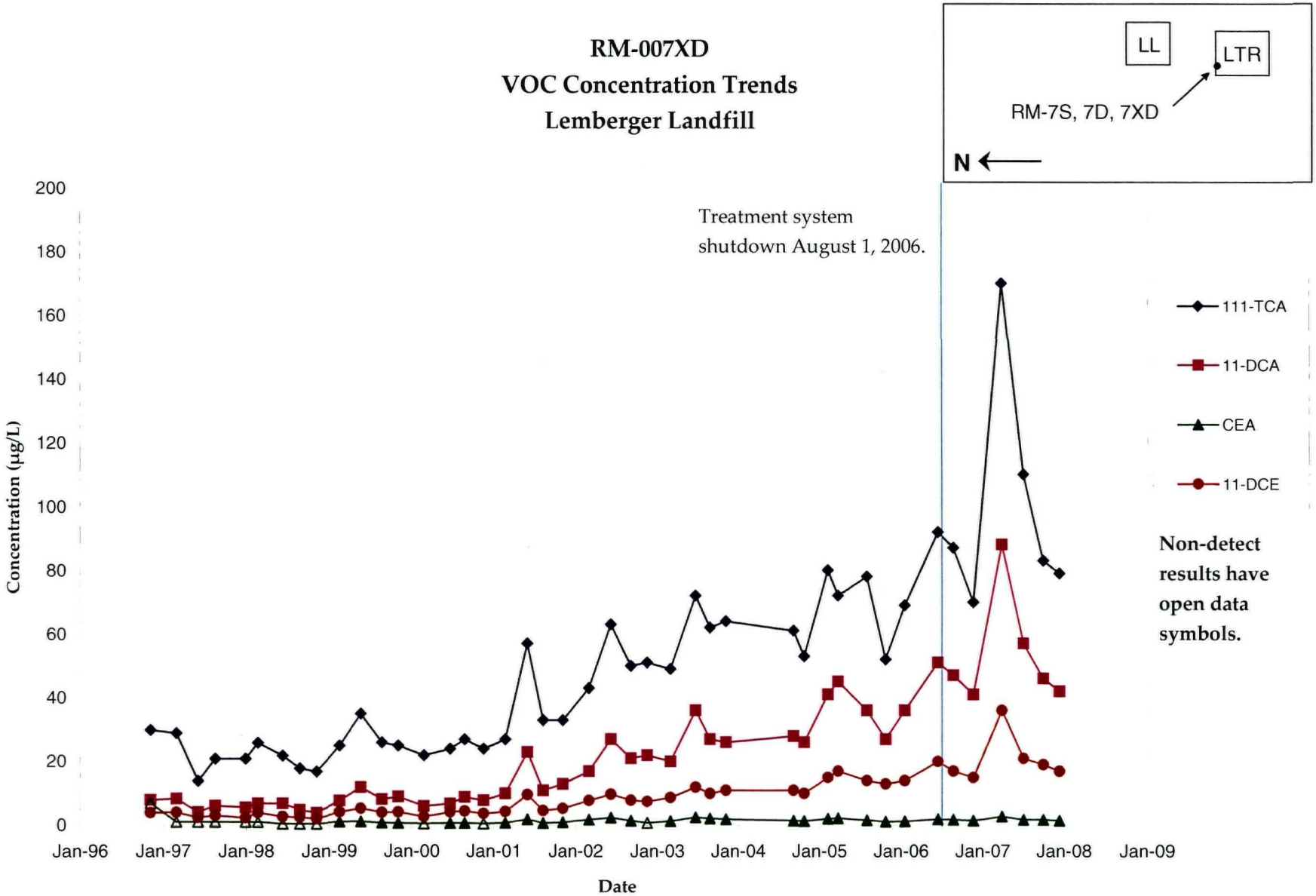
RM-007XD
VOC Concentration Trends
Lemberger Landfill



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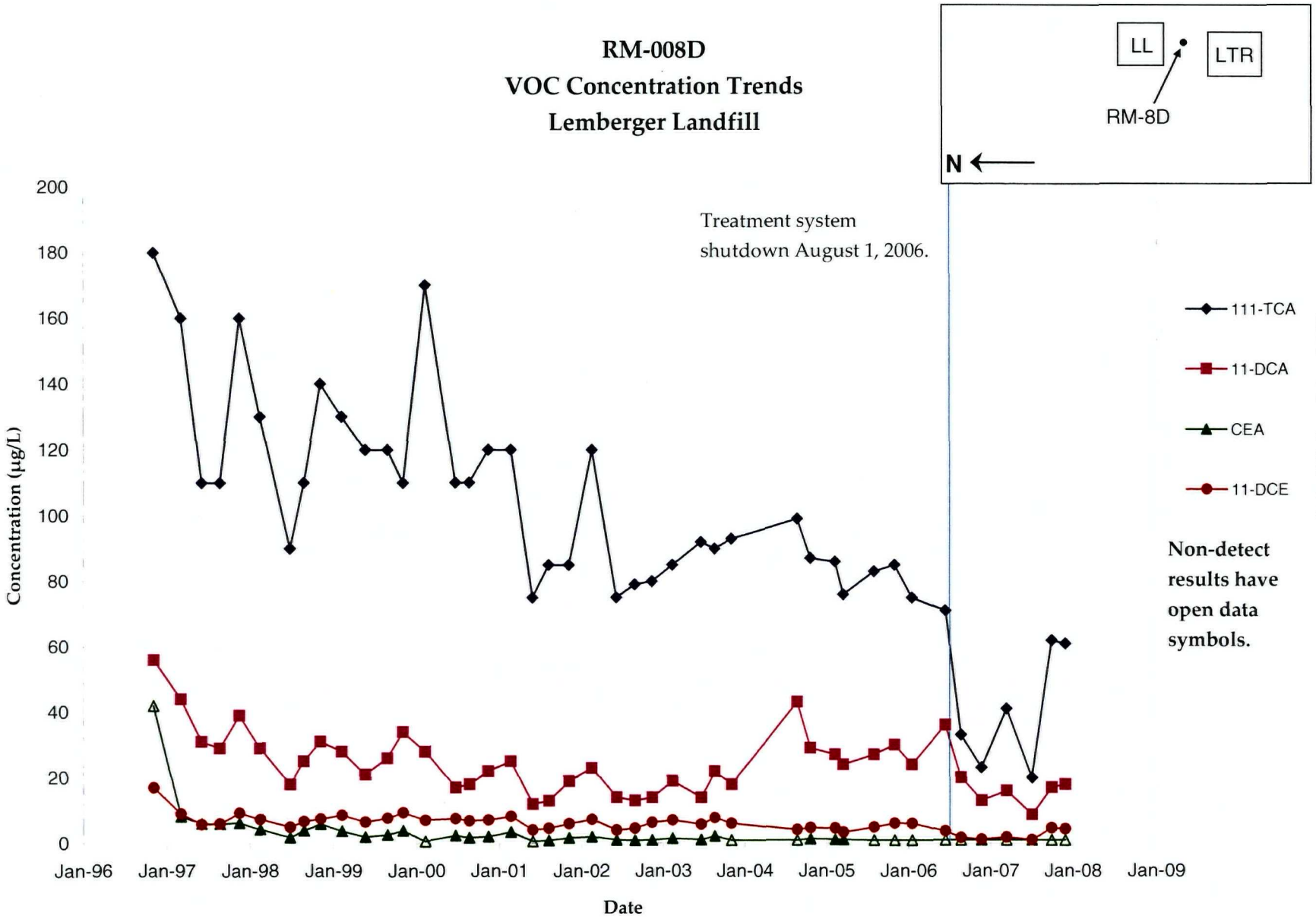
RM-008D
VOC Concentration Trends
Lemberger Landfill



23

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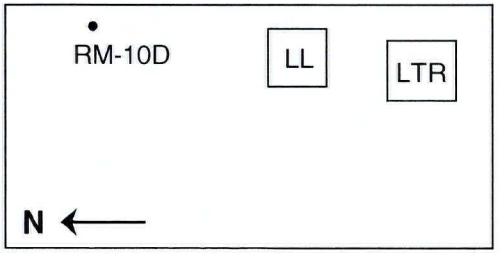
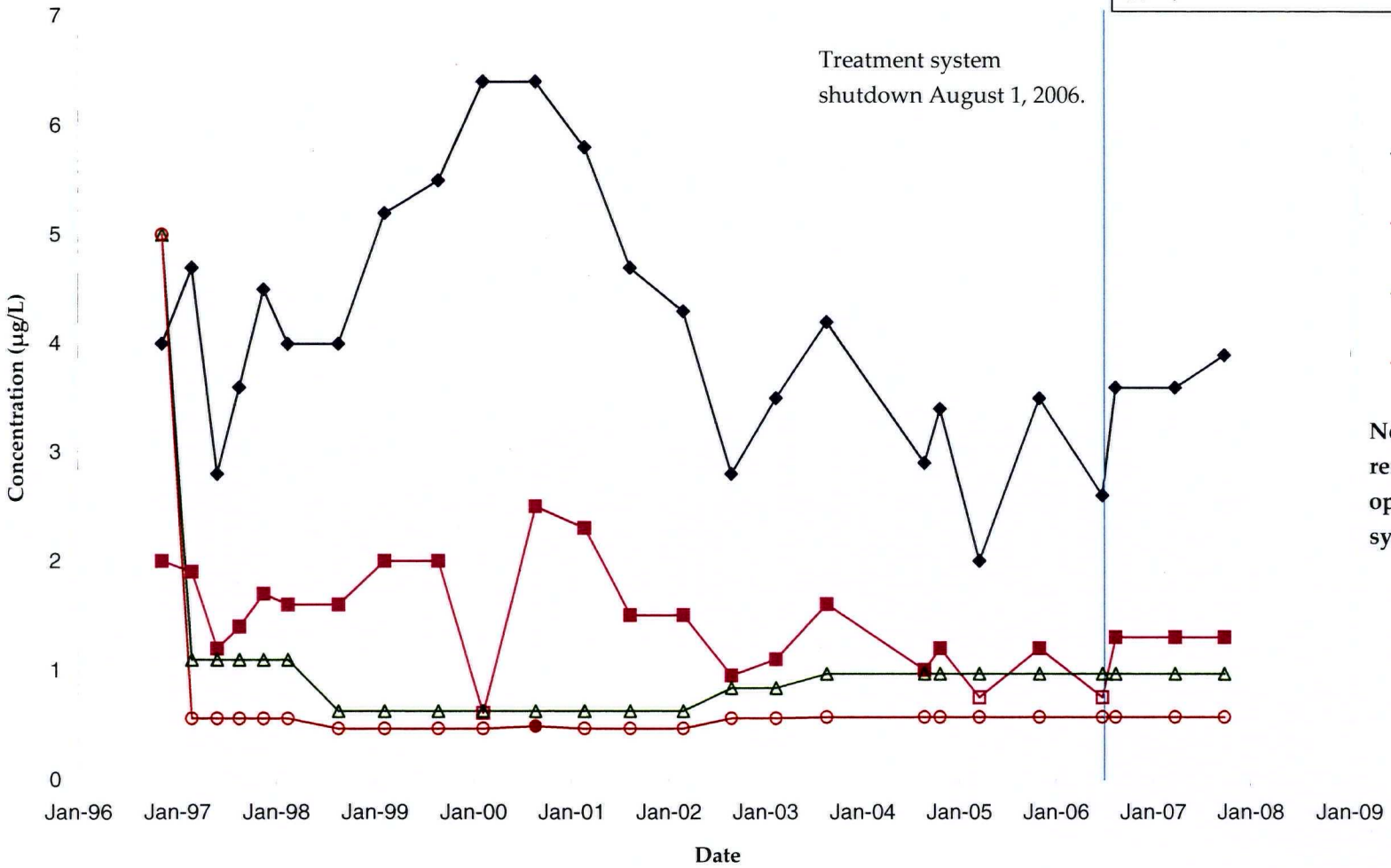
RM-010D
VOC Concentration Trends
Lemberger Landfill





Non-detect results have open data symbols.

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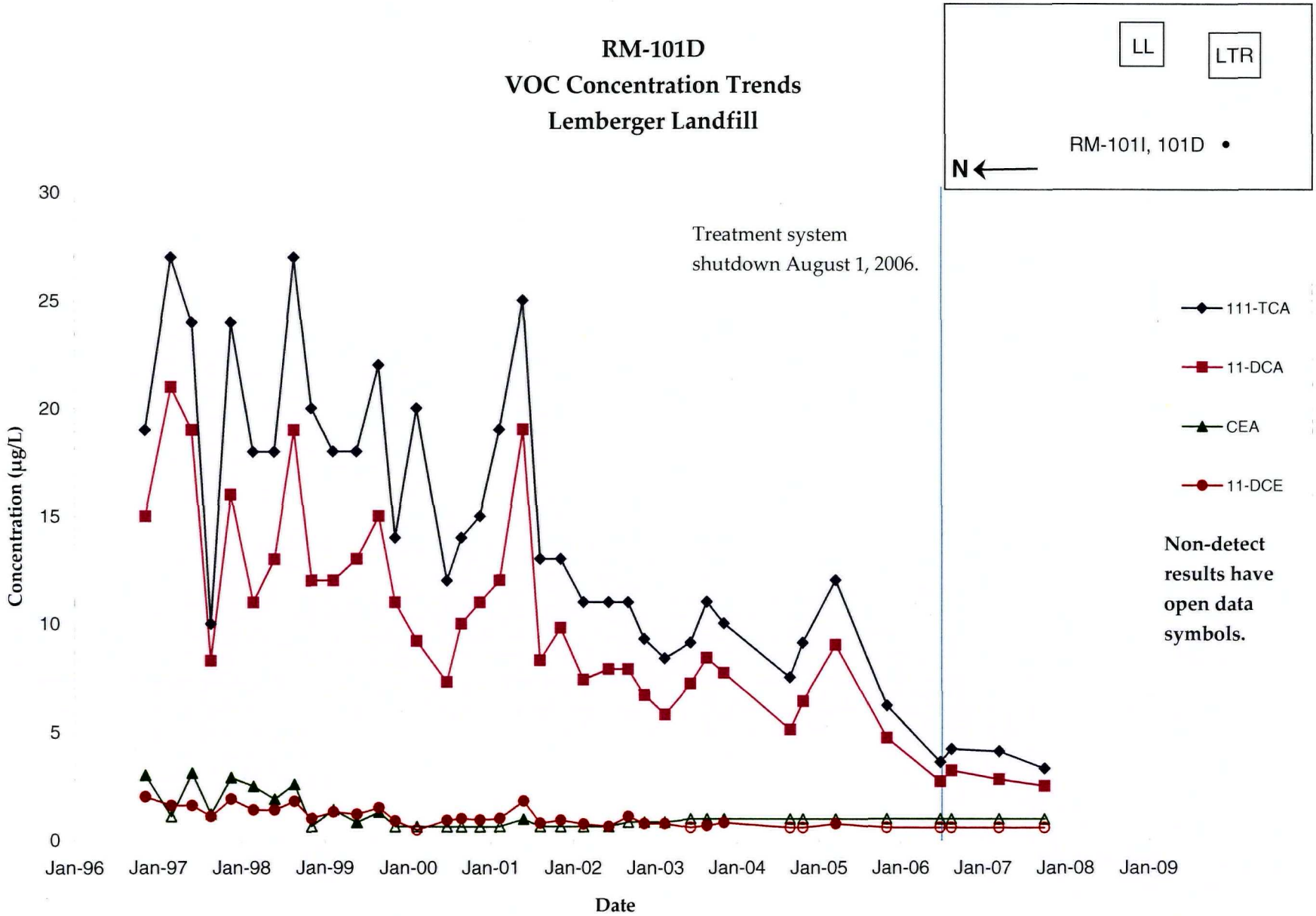
RM-101D
VOC Concentration Trends
Lemberger Landfill



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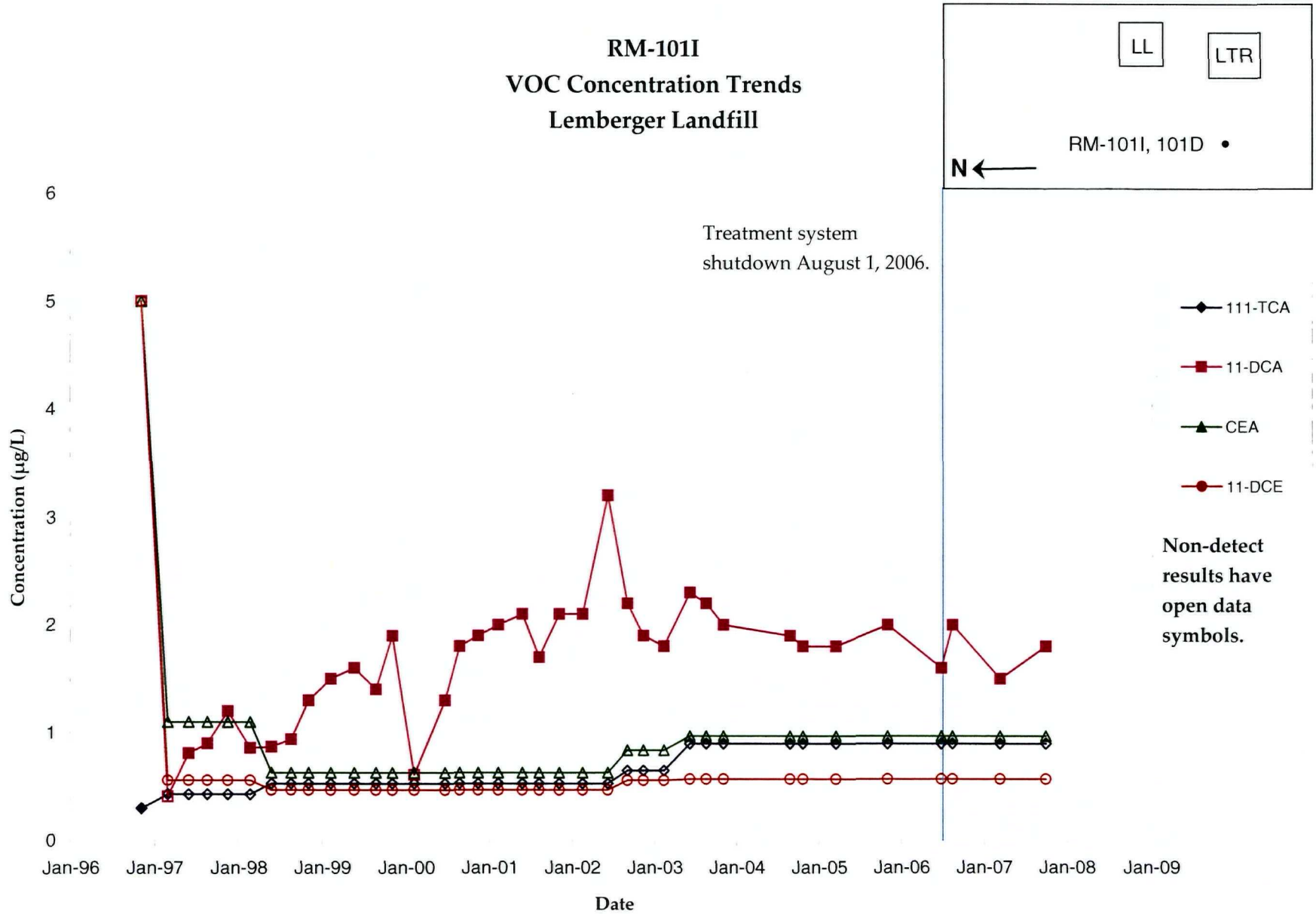
RM-101I
VOC Concentration Trends
Lemberger Landfill



26

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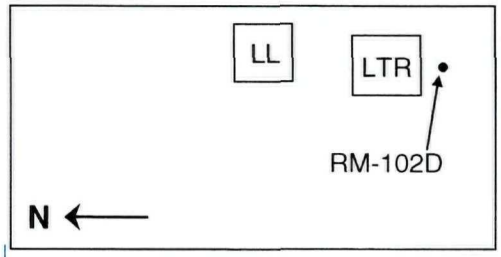
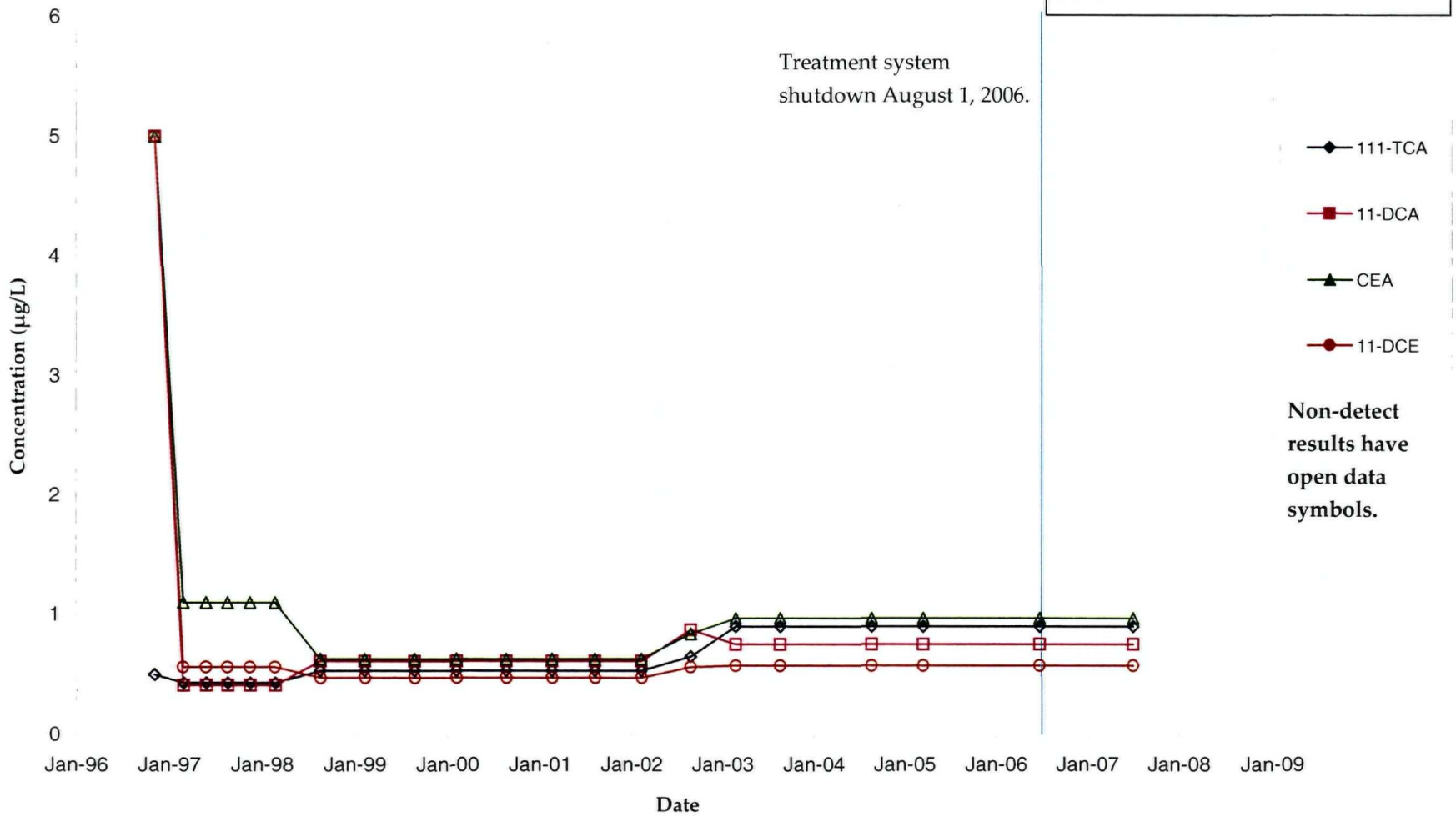
RM-102D
VOC Concentration Trends
Lemberger Landfill





27

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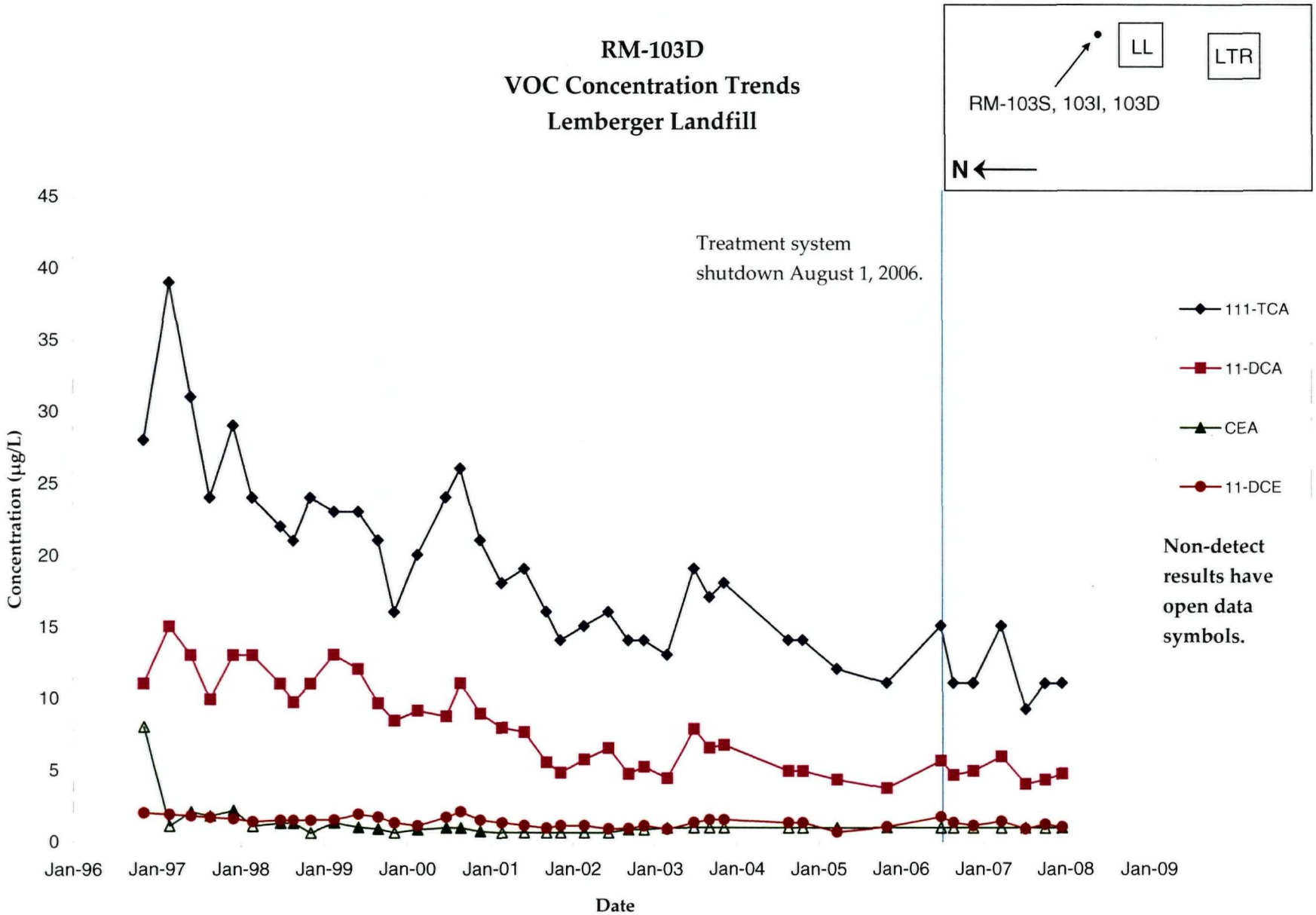
RM-103D
VOC Concentration Trends
Lemberger Landfill



22

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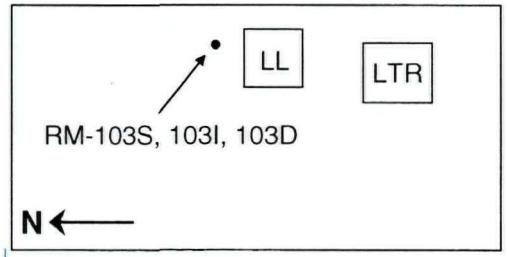
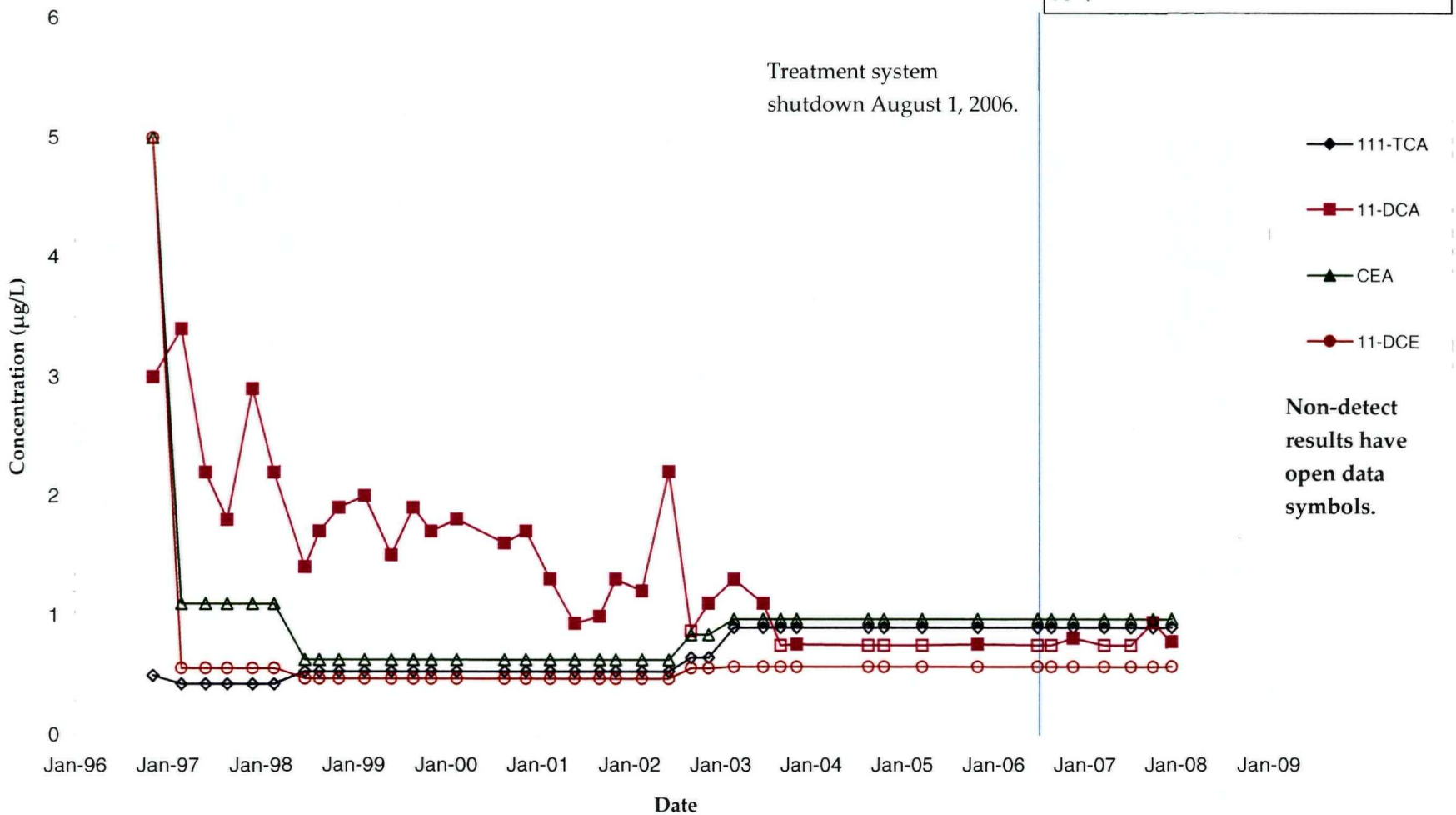
RM-103S
VOC Concentration Trends
Lemberger Landfill





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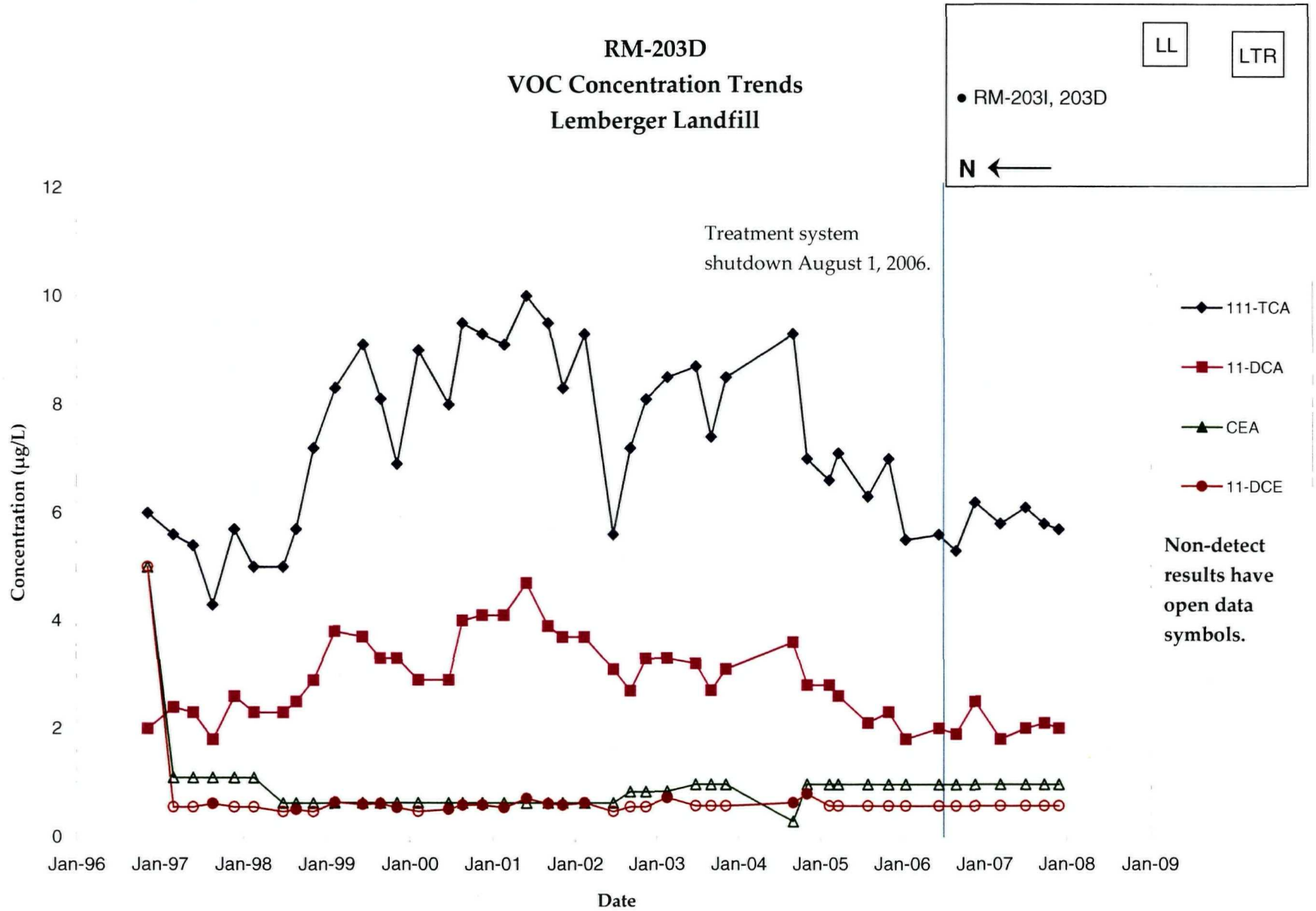

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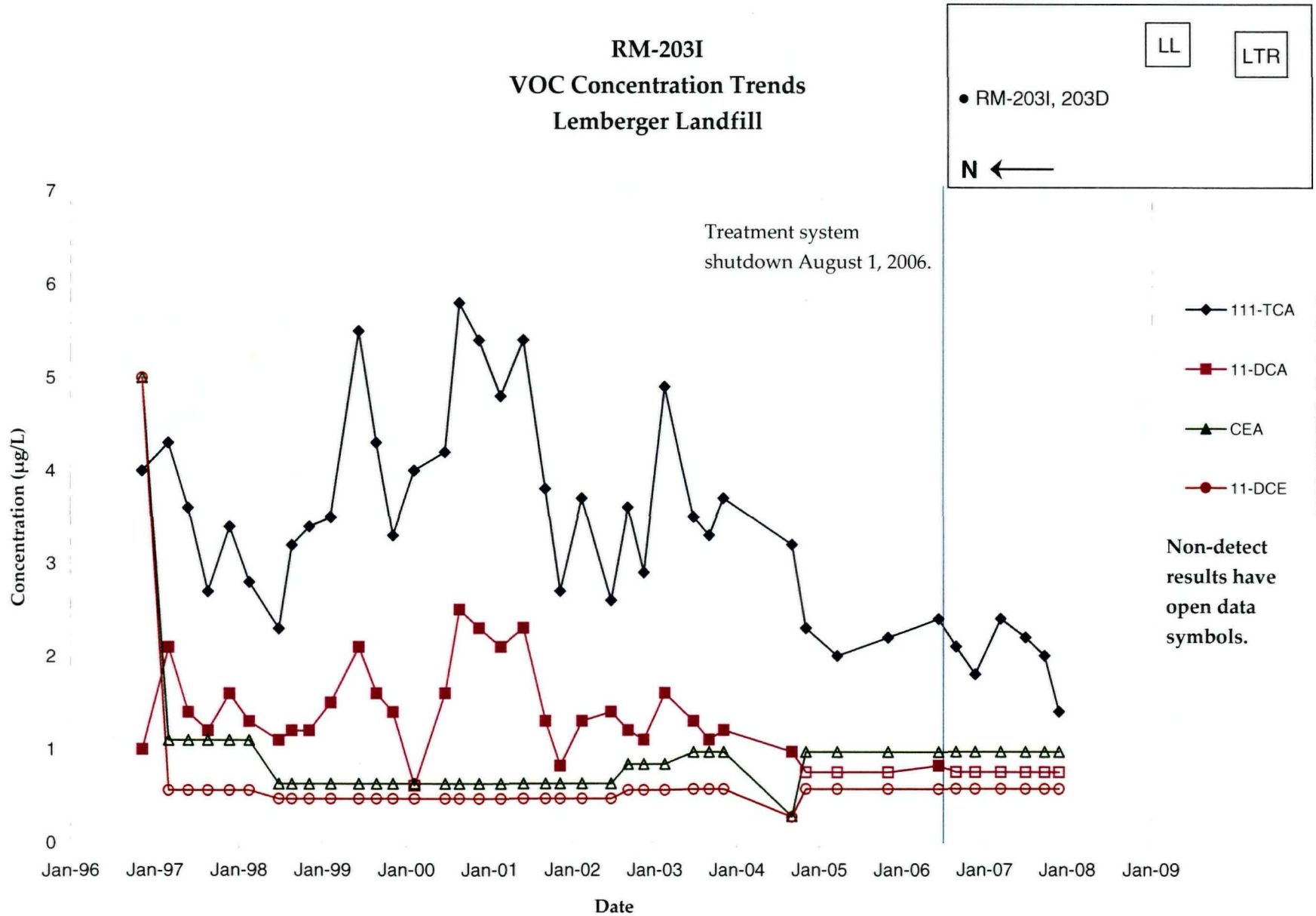

31

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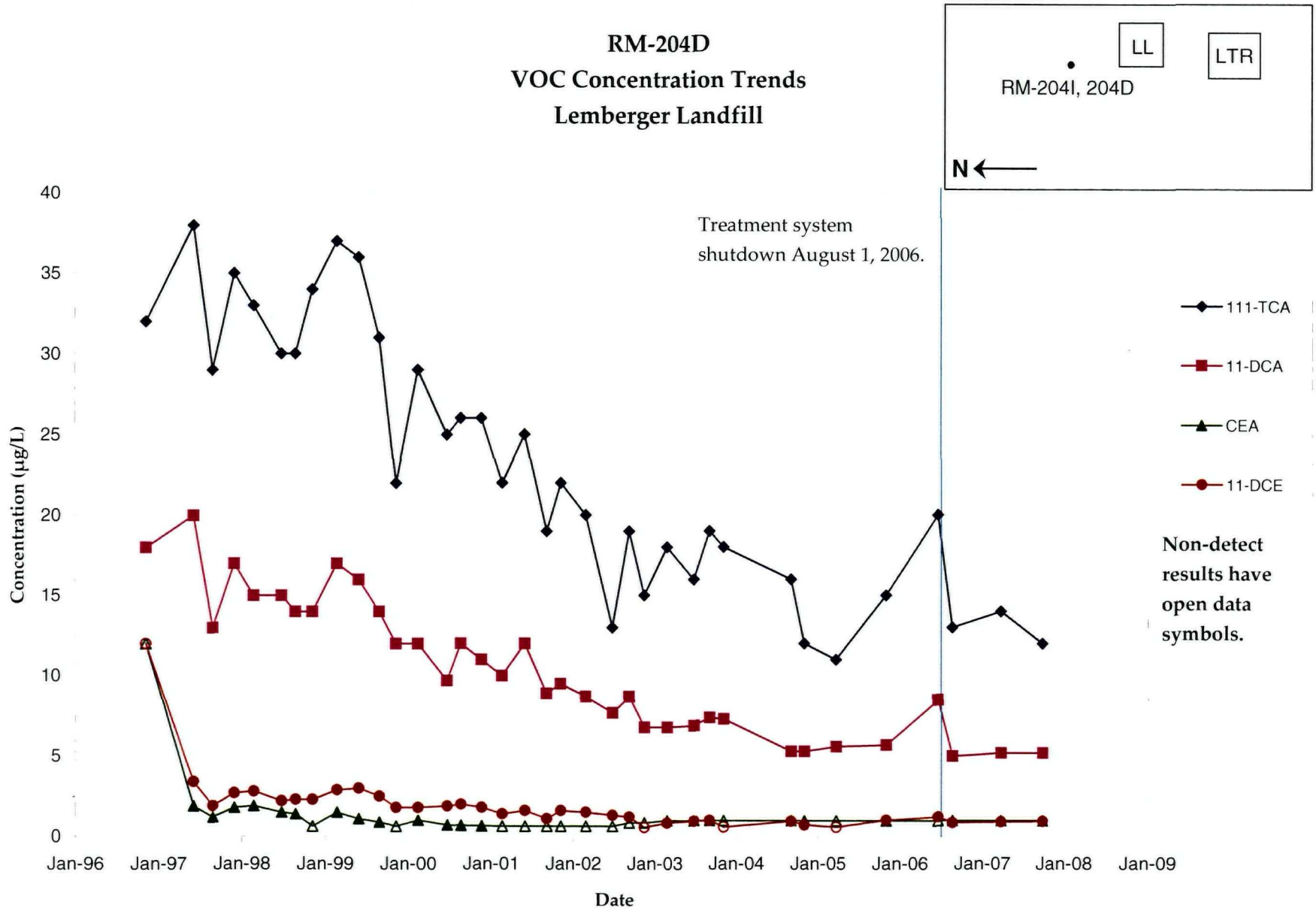
RM-204D
VOC Concentration Trends
Lemberger Landfill



32

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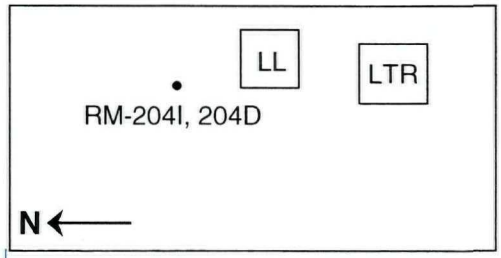
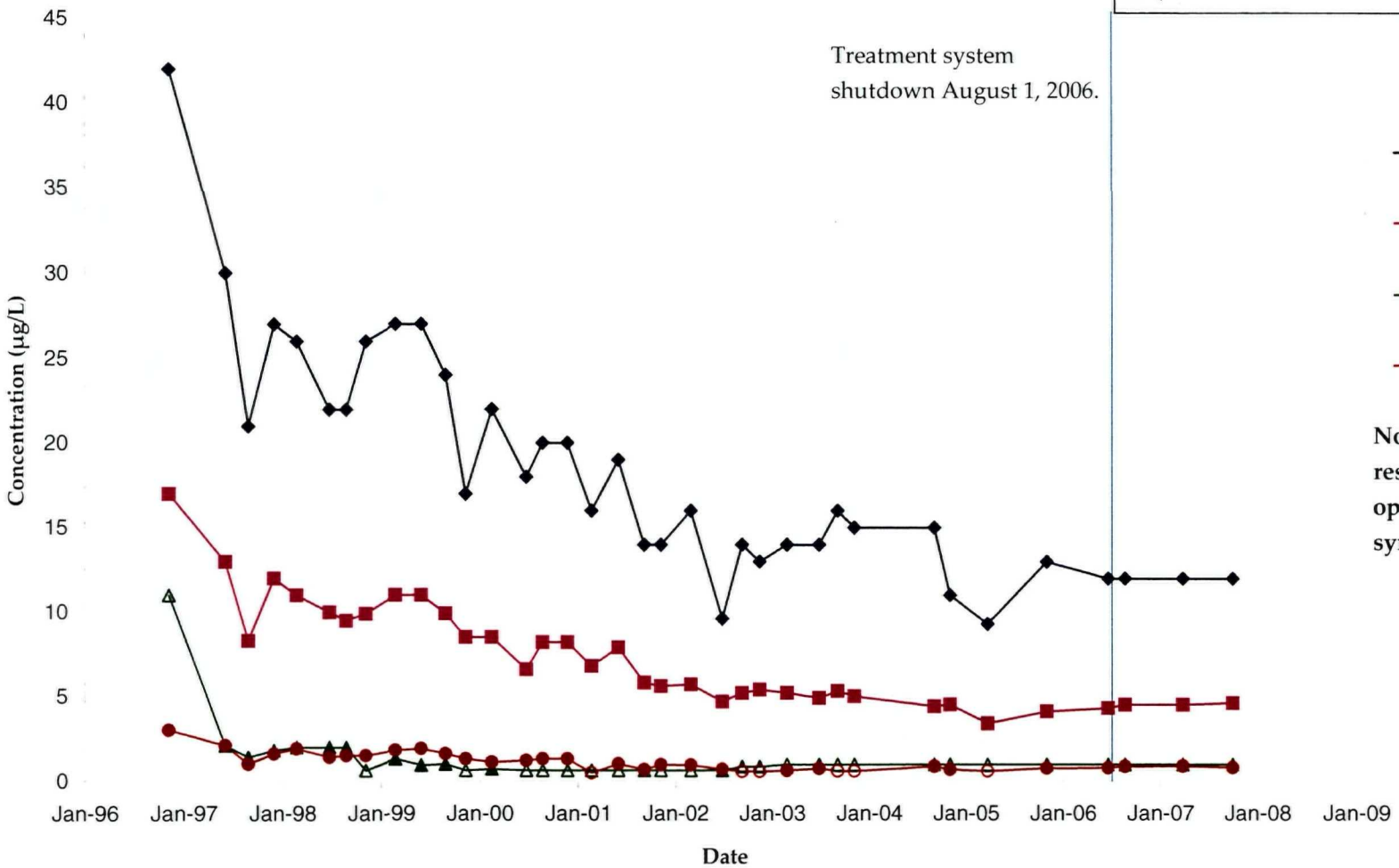
RM-204I
VOC Concentration Trends
Lemberger Landfill





33

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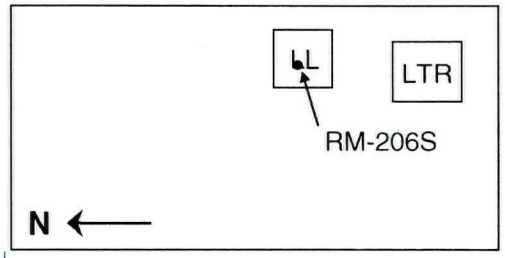
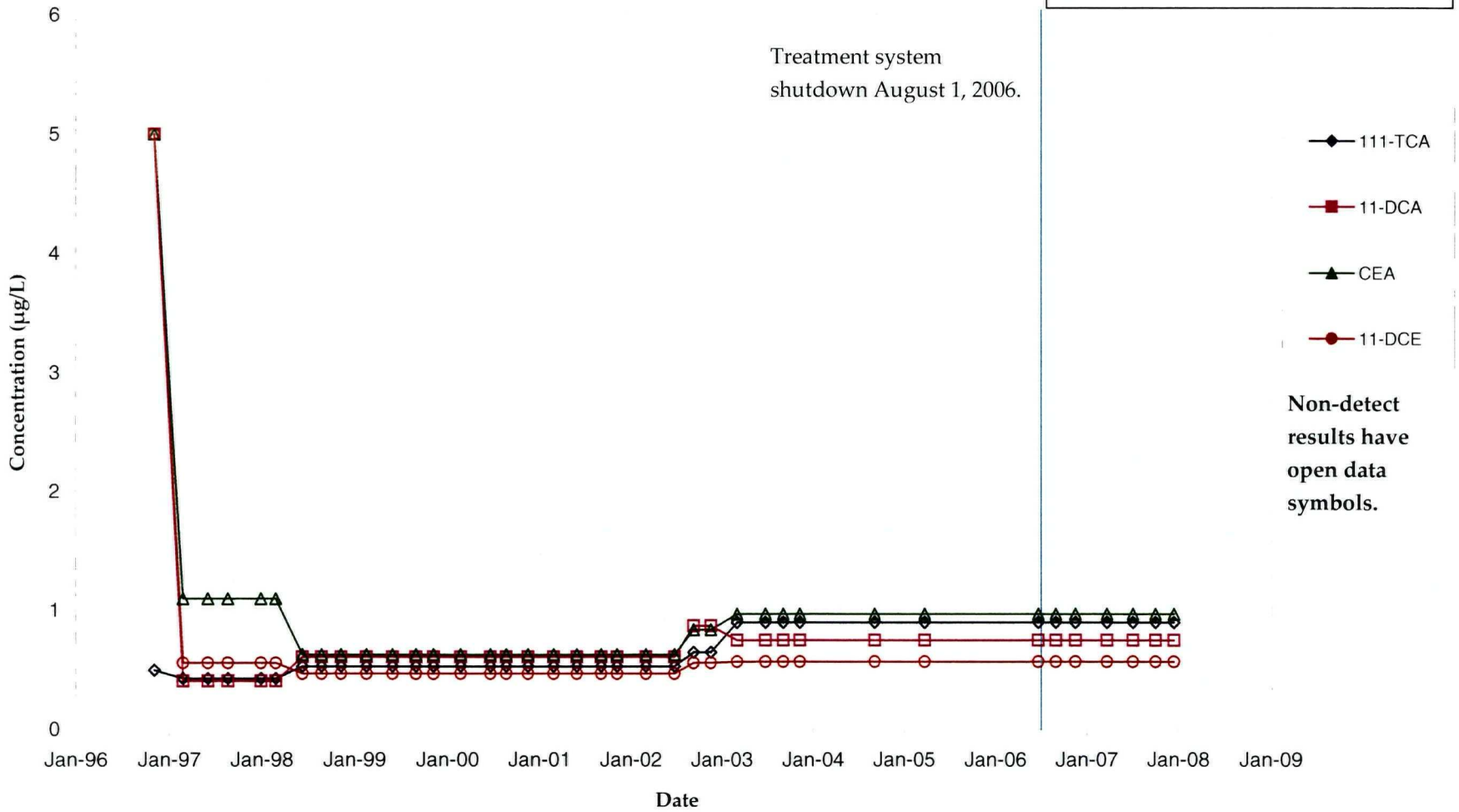
RM-206S
VOC Concentration Trends
Lemberger Landfill





34

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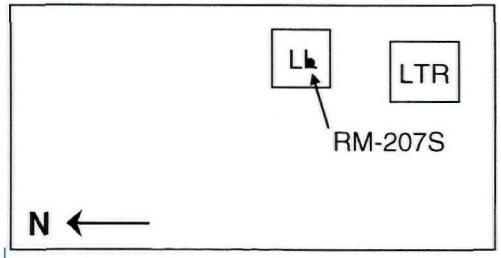
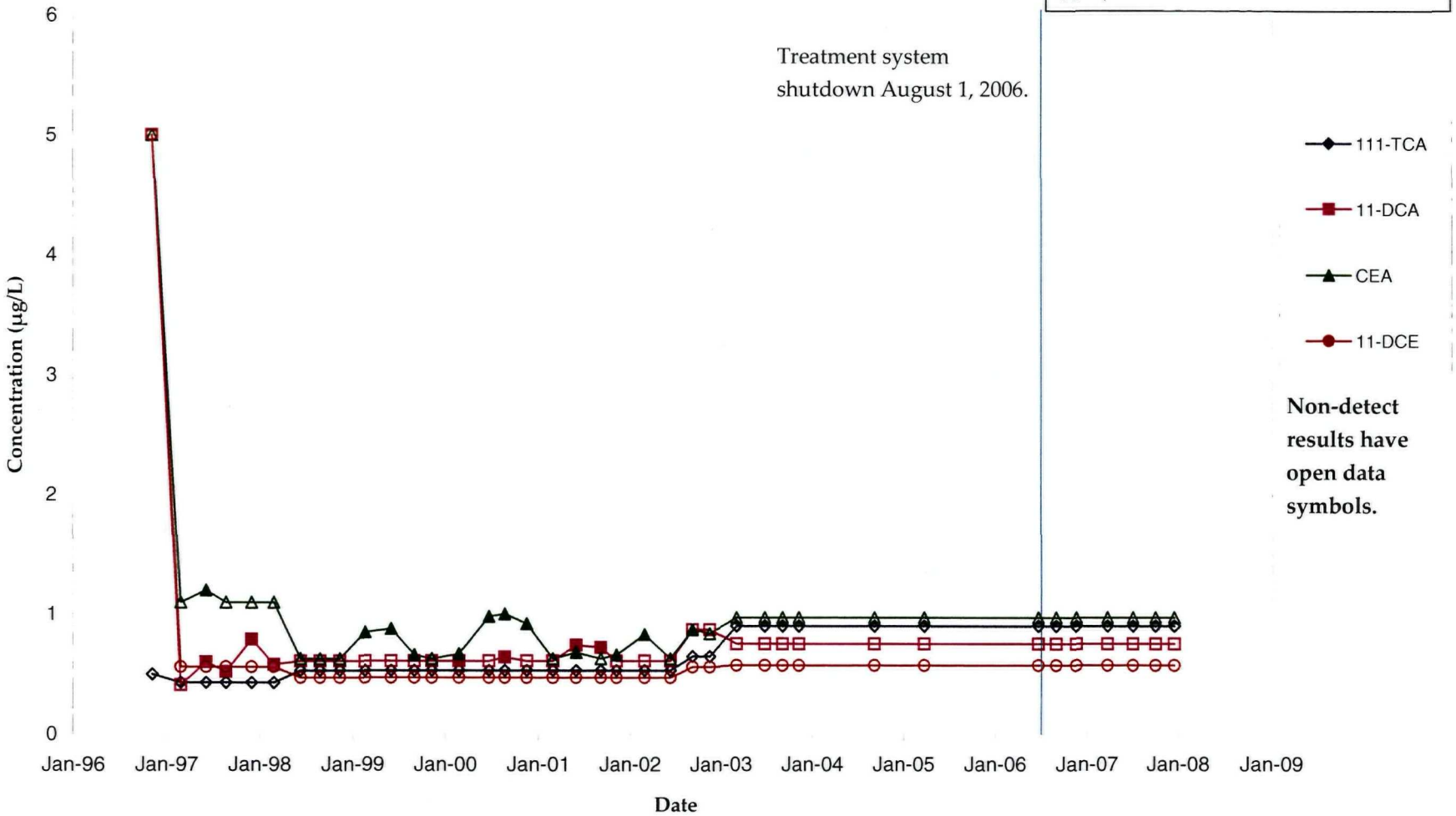
RM-207S
VOC Concentration Trends
Lemberger Landfill





35

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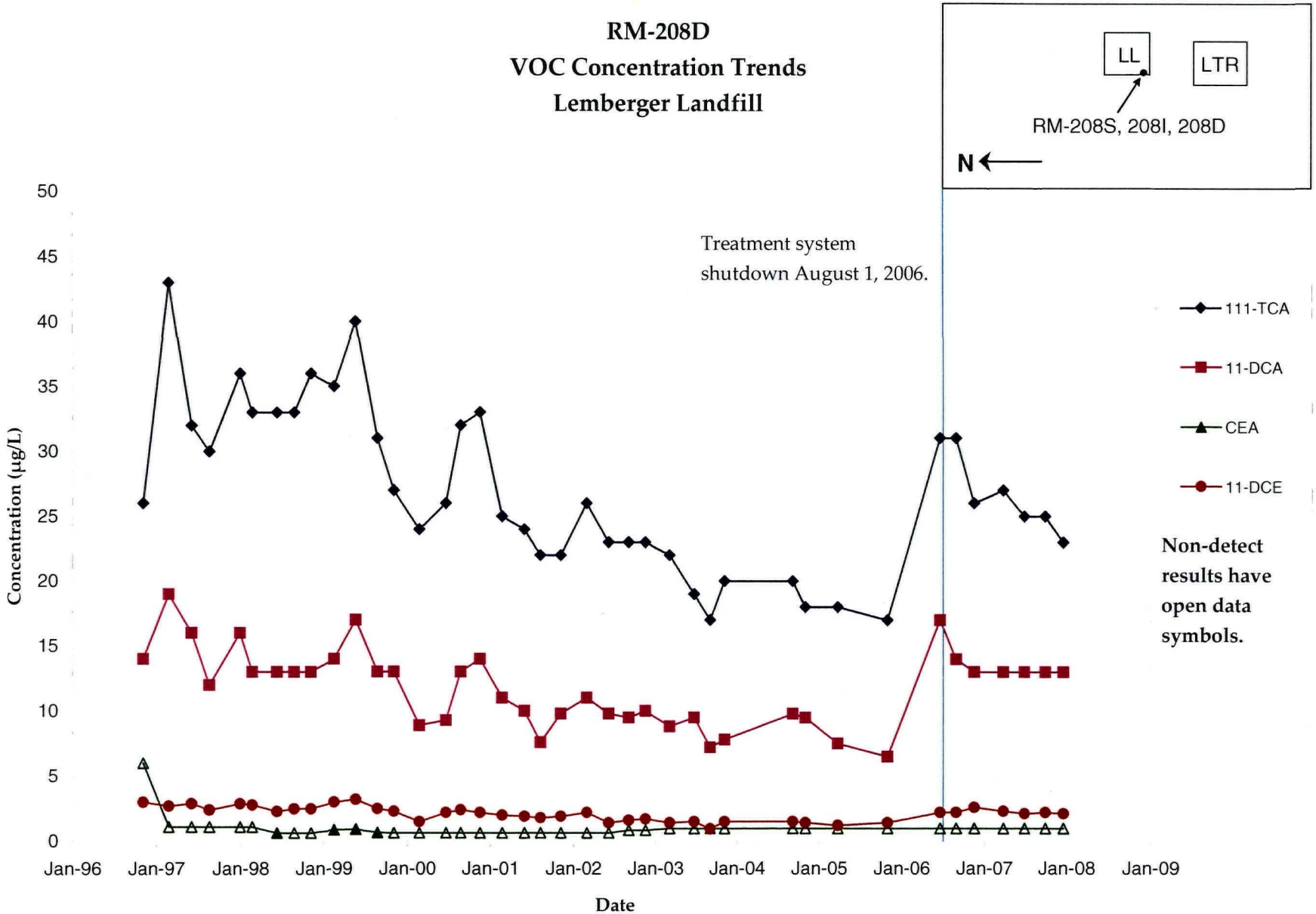
RM-208D
VOC Concentration Trends
Lemberger Landfill



36

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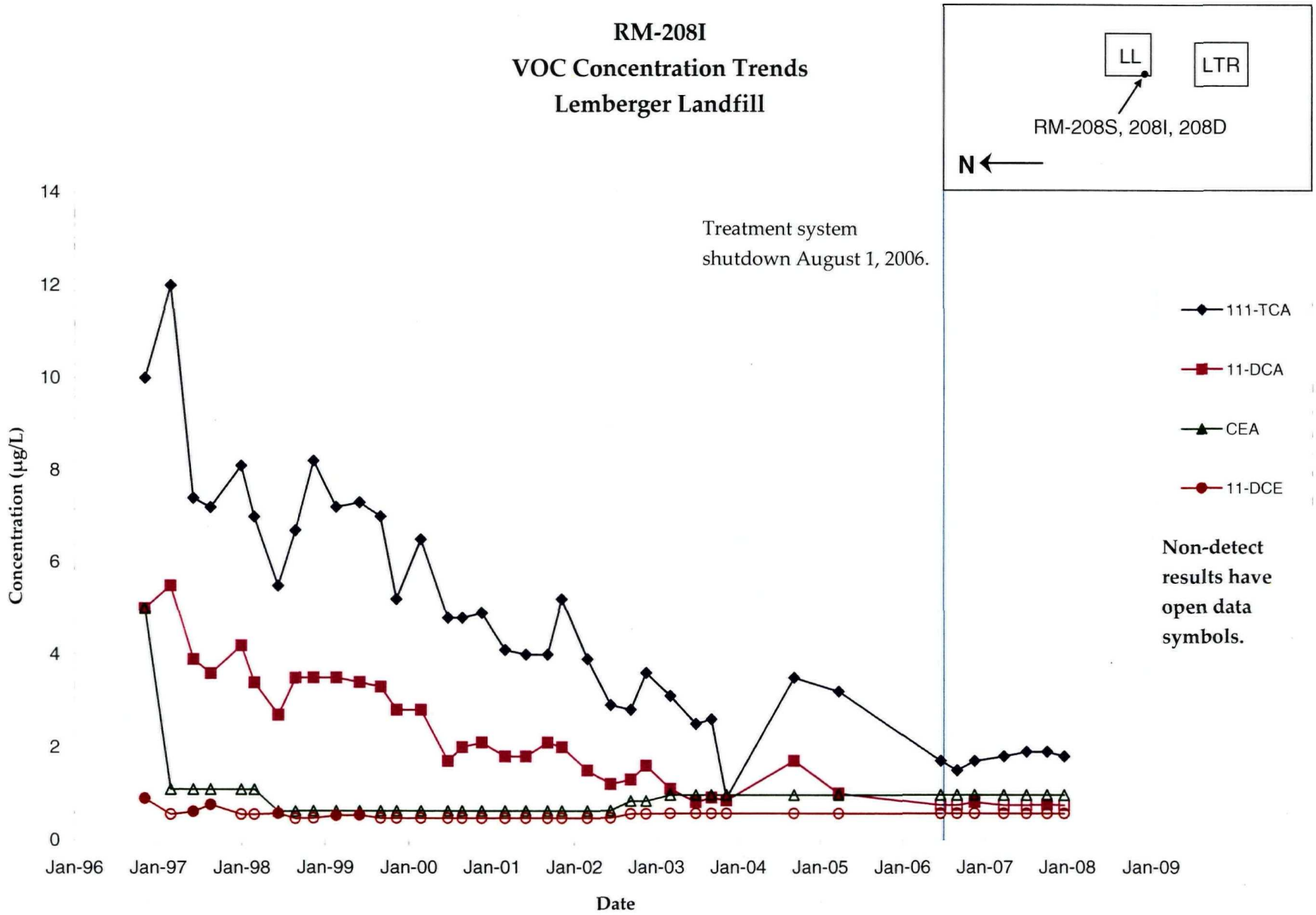

31

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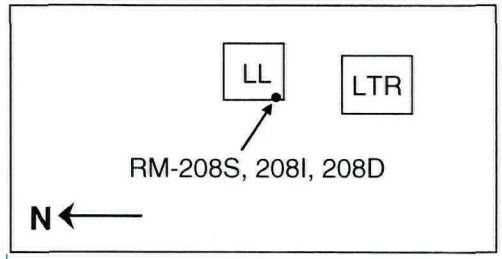
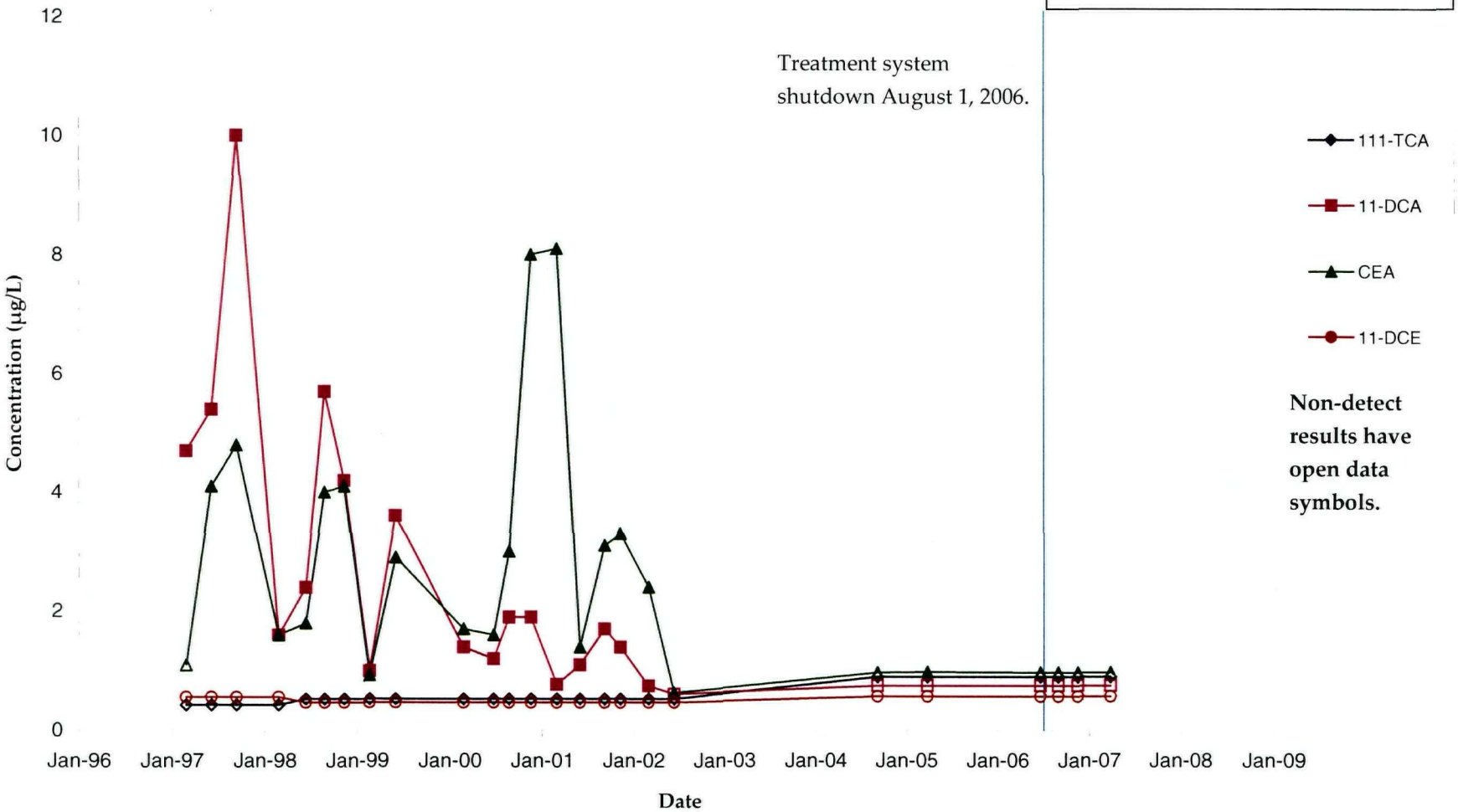
RM-208S
VOC Concentration Trends
Lemberger Landfill





38

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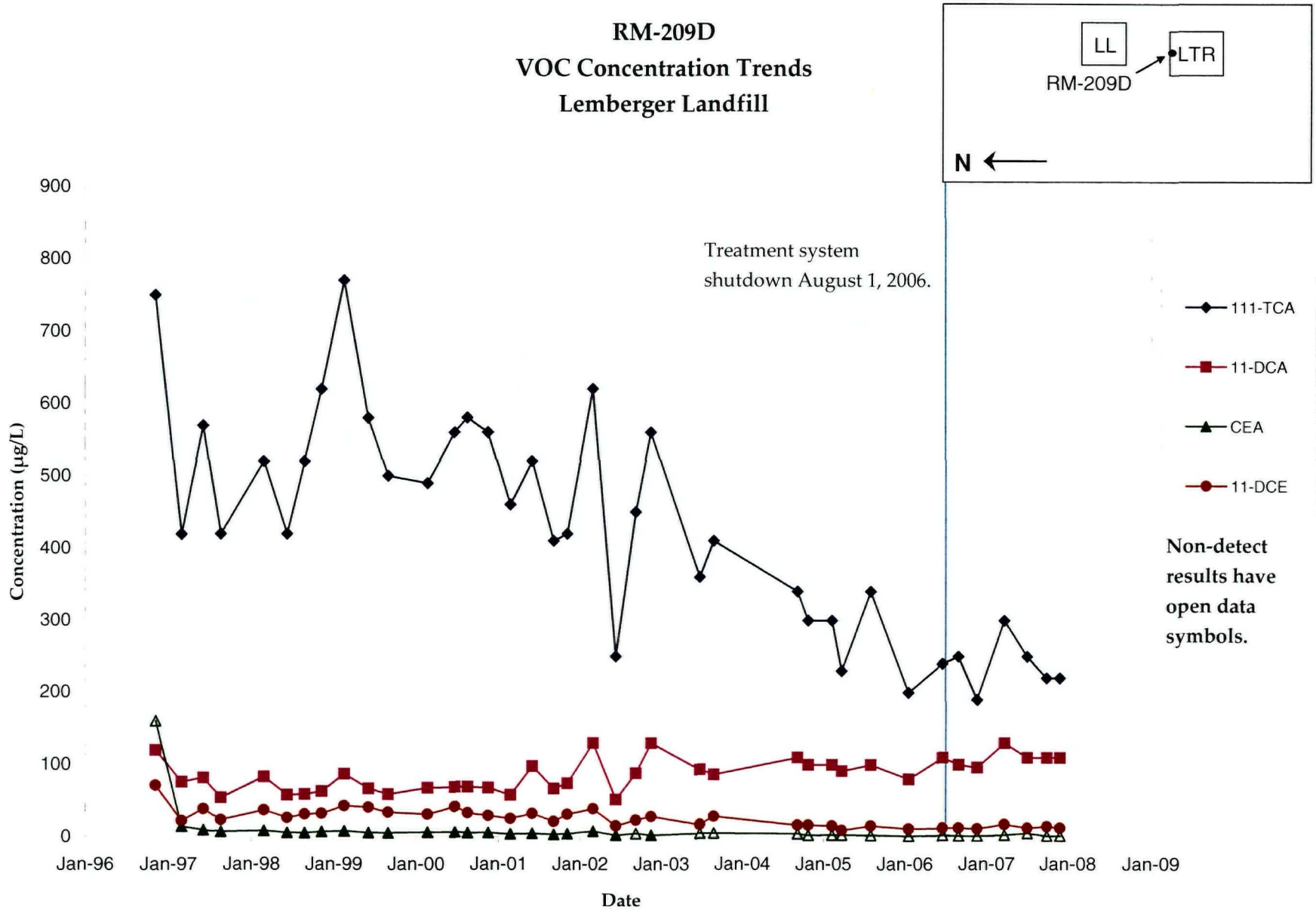
RM-209D
VOC Concentration Trends
Lemberger Landfill



39

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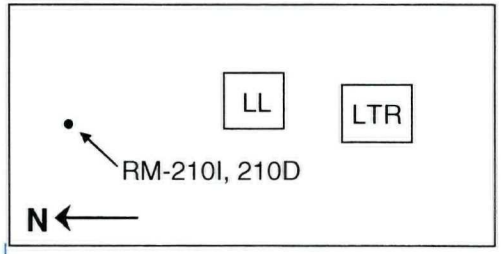
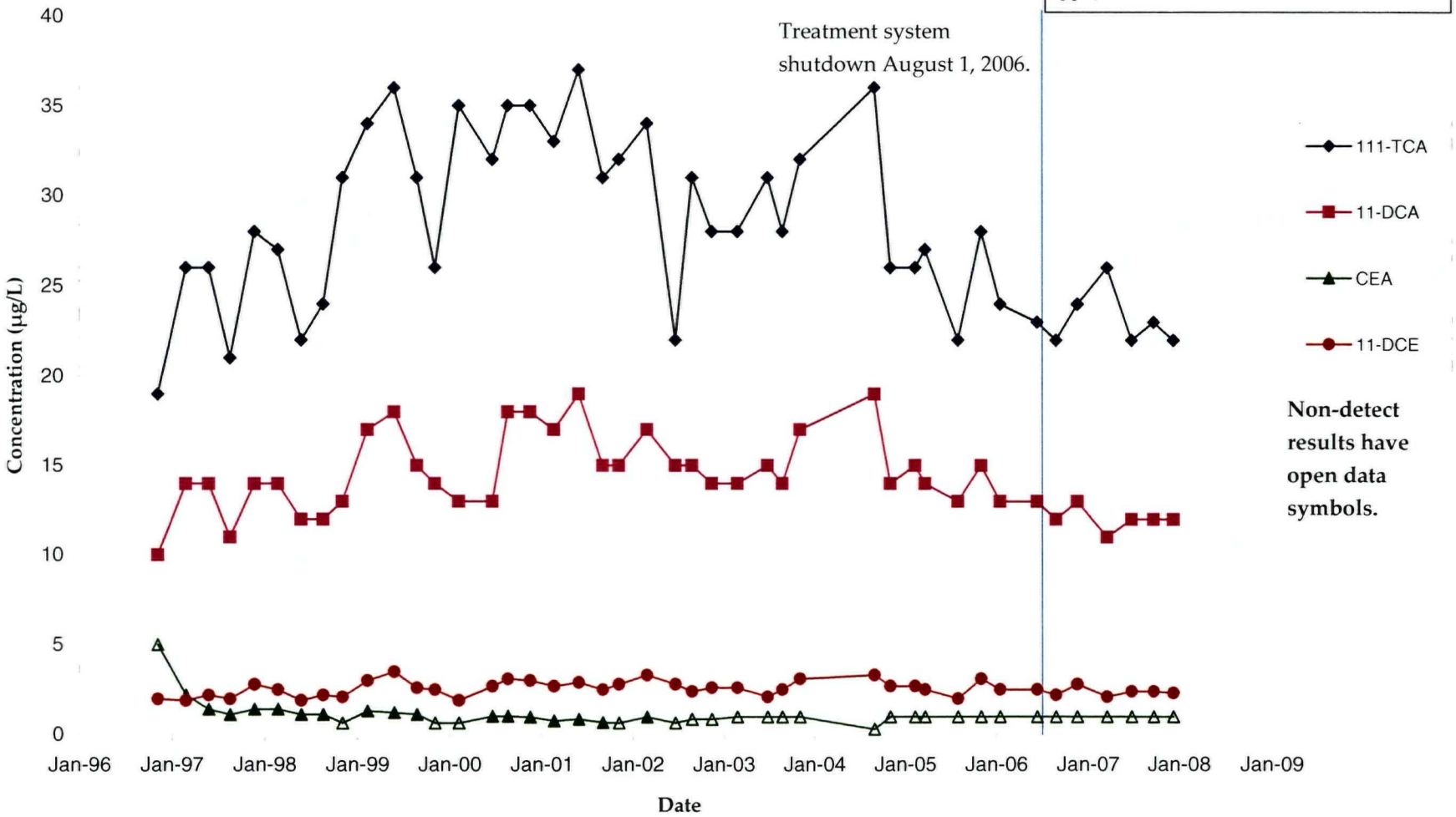
RM-210D
VOC Concentration Trends
Lemberger Landfill





Non-detect results have open data symbols.

46

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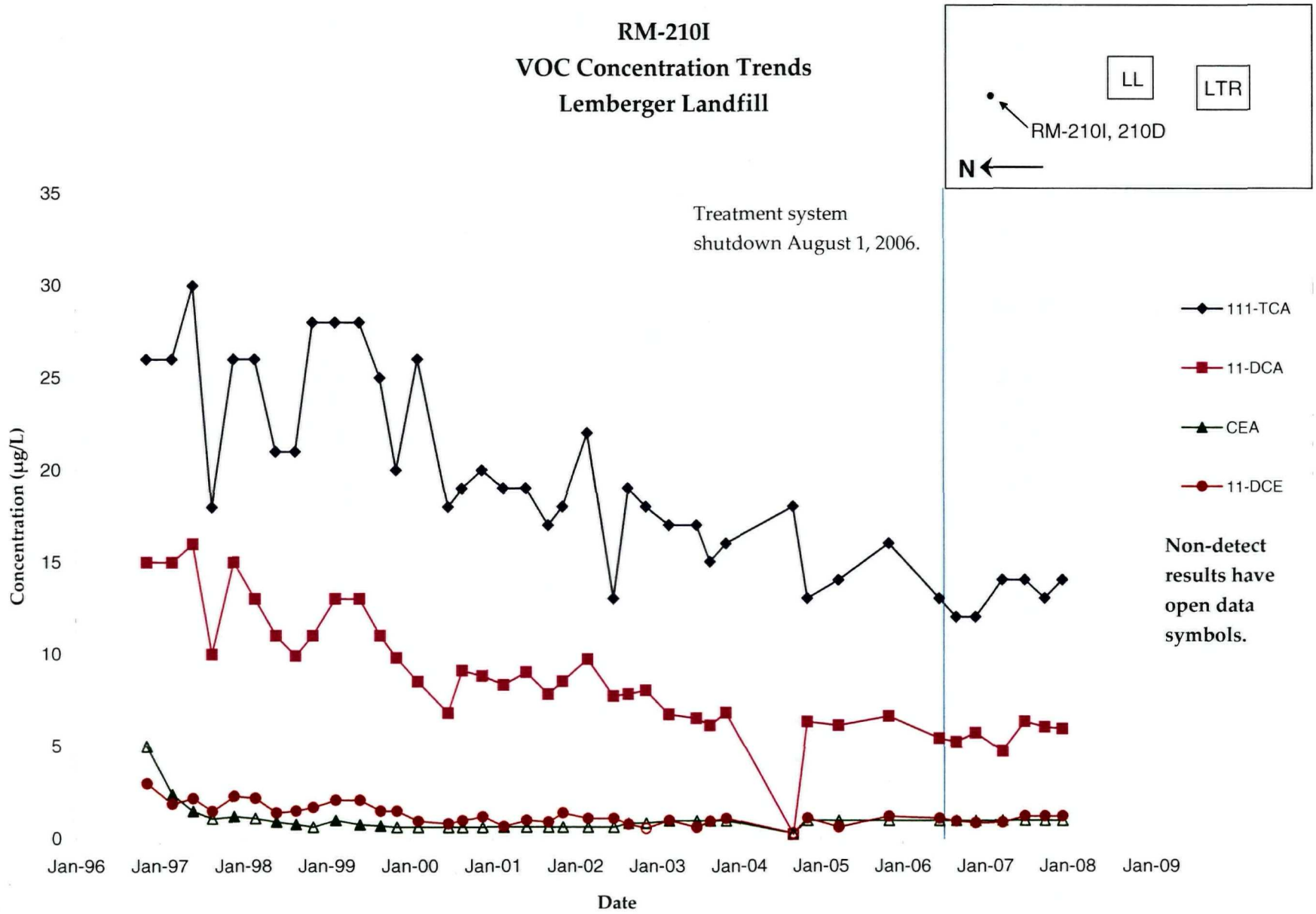
RM-210I
VOC Concentration Trends
Lemberger Landfill



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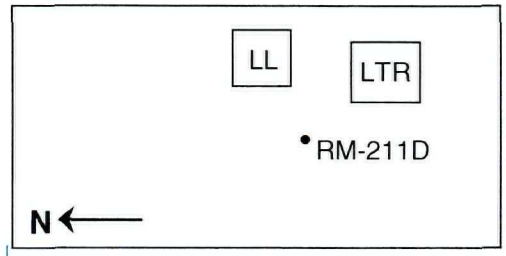
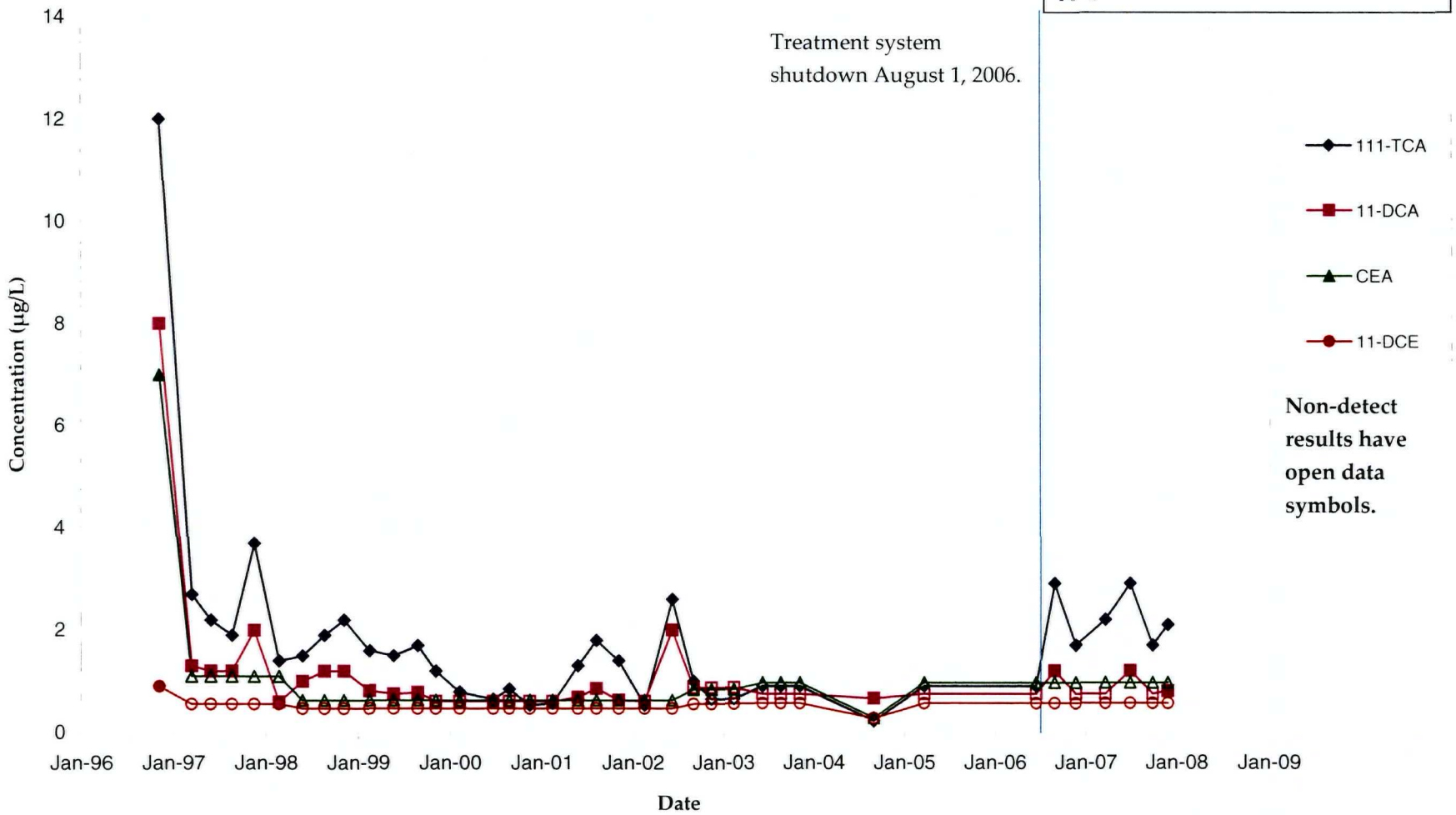
RM-211D
VOC Concentration Trends
Lemberger Landfill





Non-detect results have open data symbols.

42

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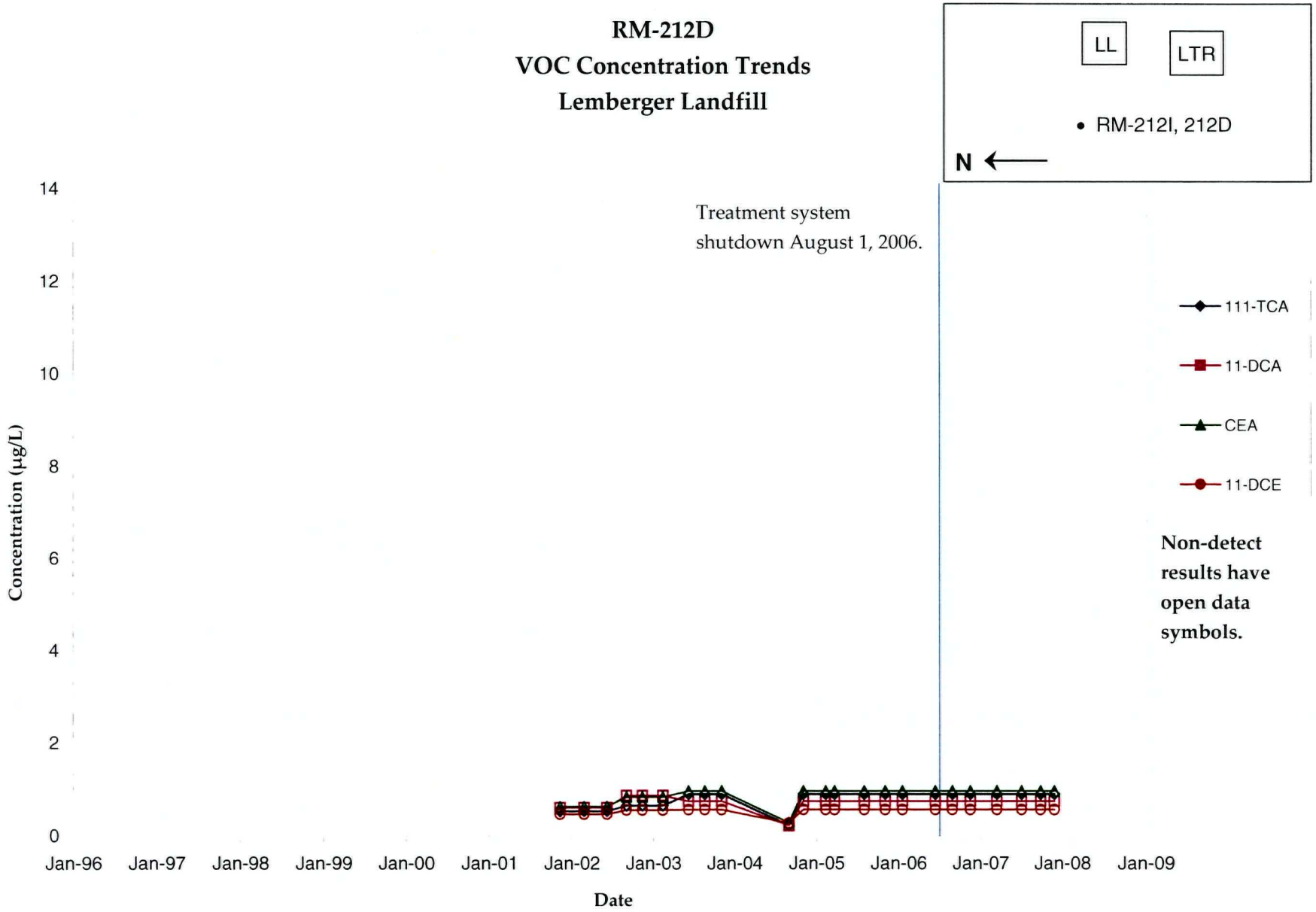
RM-212D
VOC Concentration Trends
Lemberger Landfill



43

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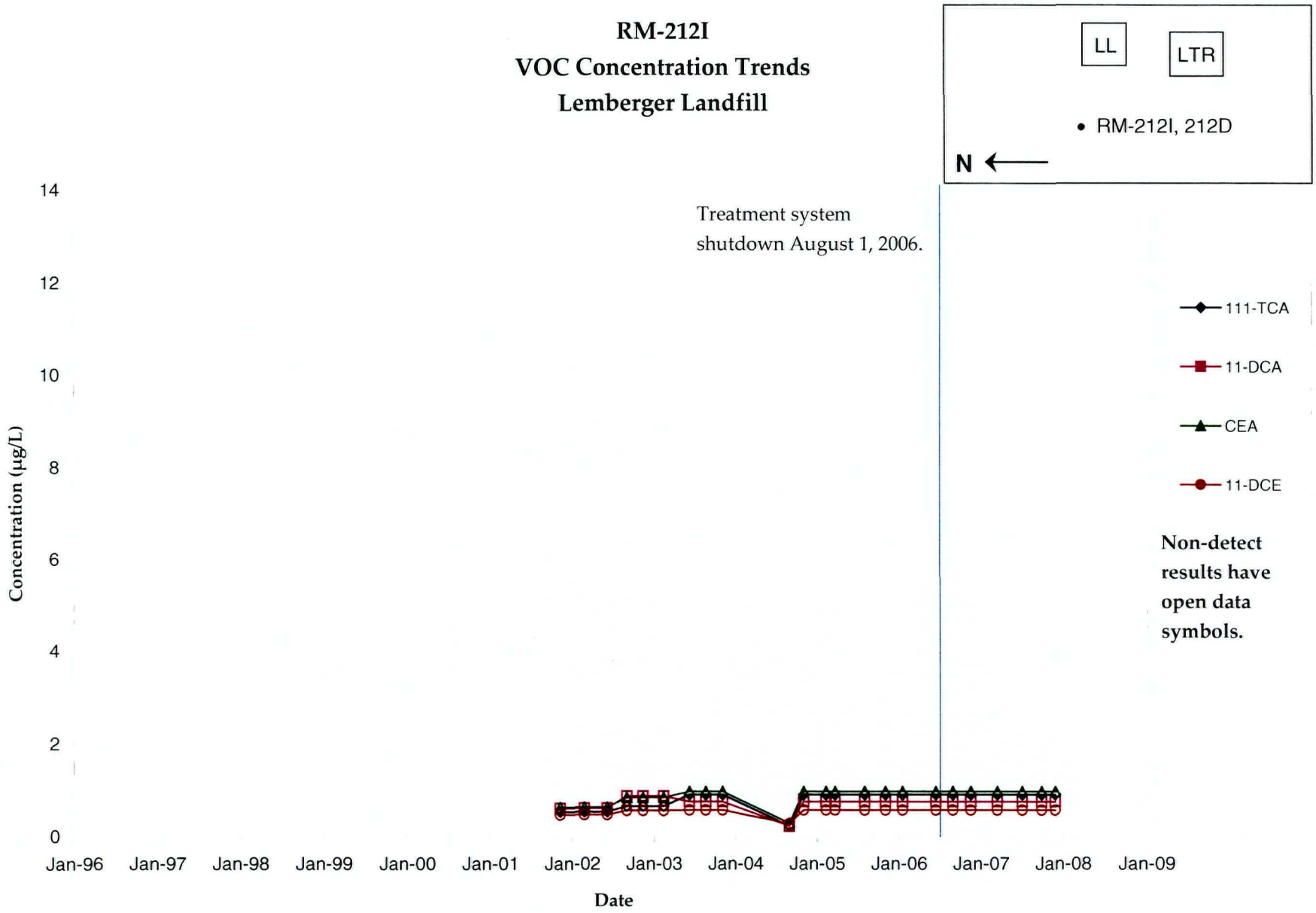
RM-212I
VOC Concentration Trends
Lemberger Landfill



44

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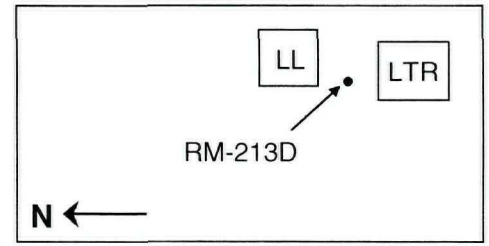
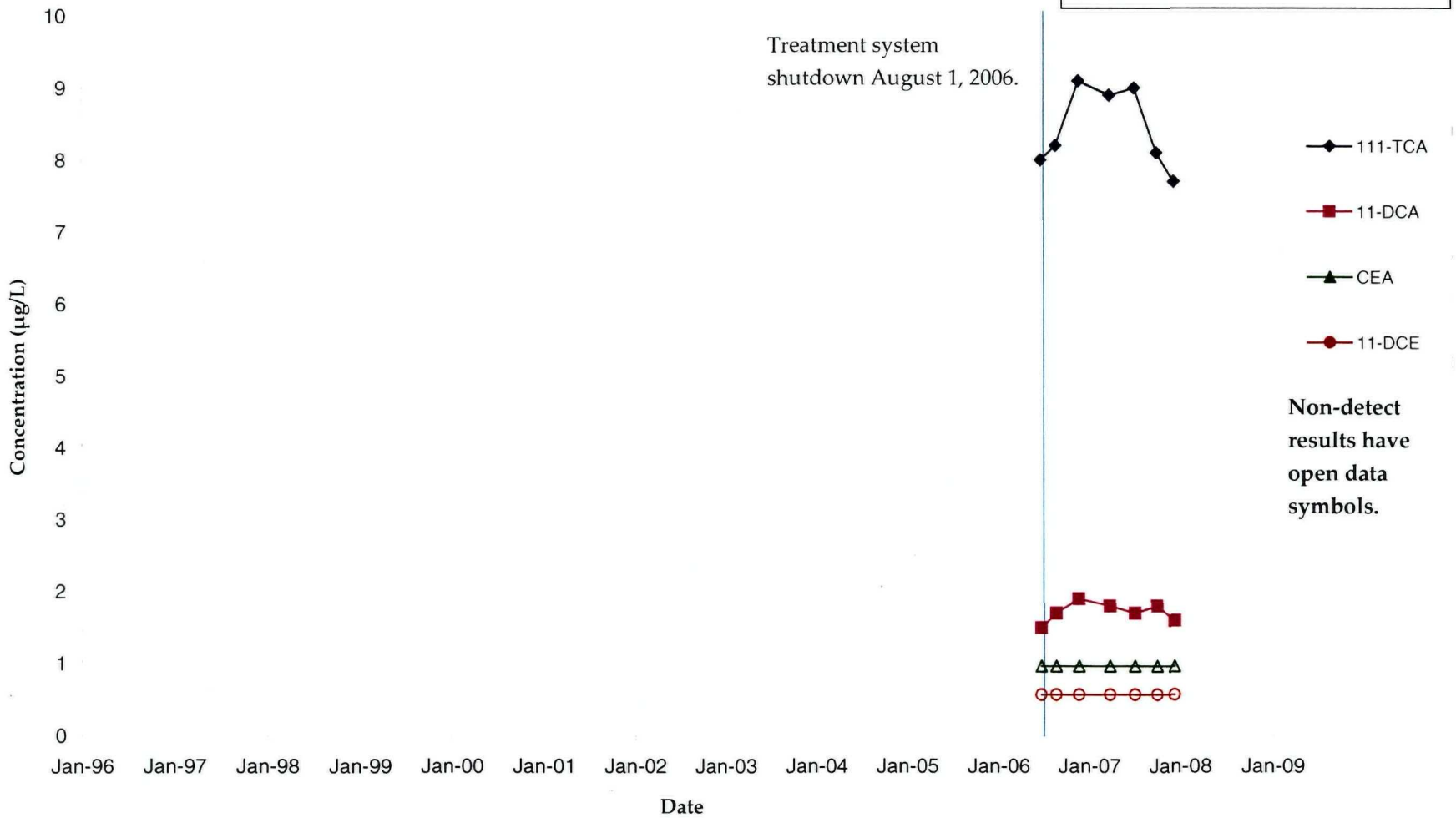
RM-213D
VOC Concentration Trends
Lemberger Landfill





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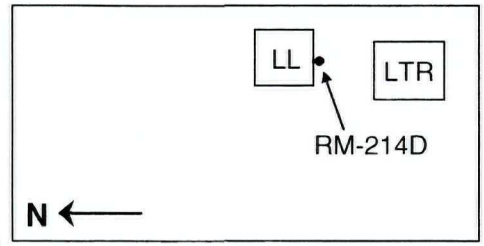
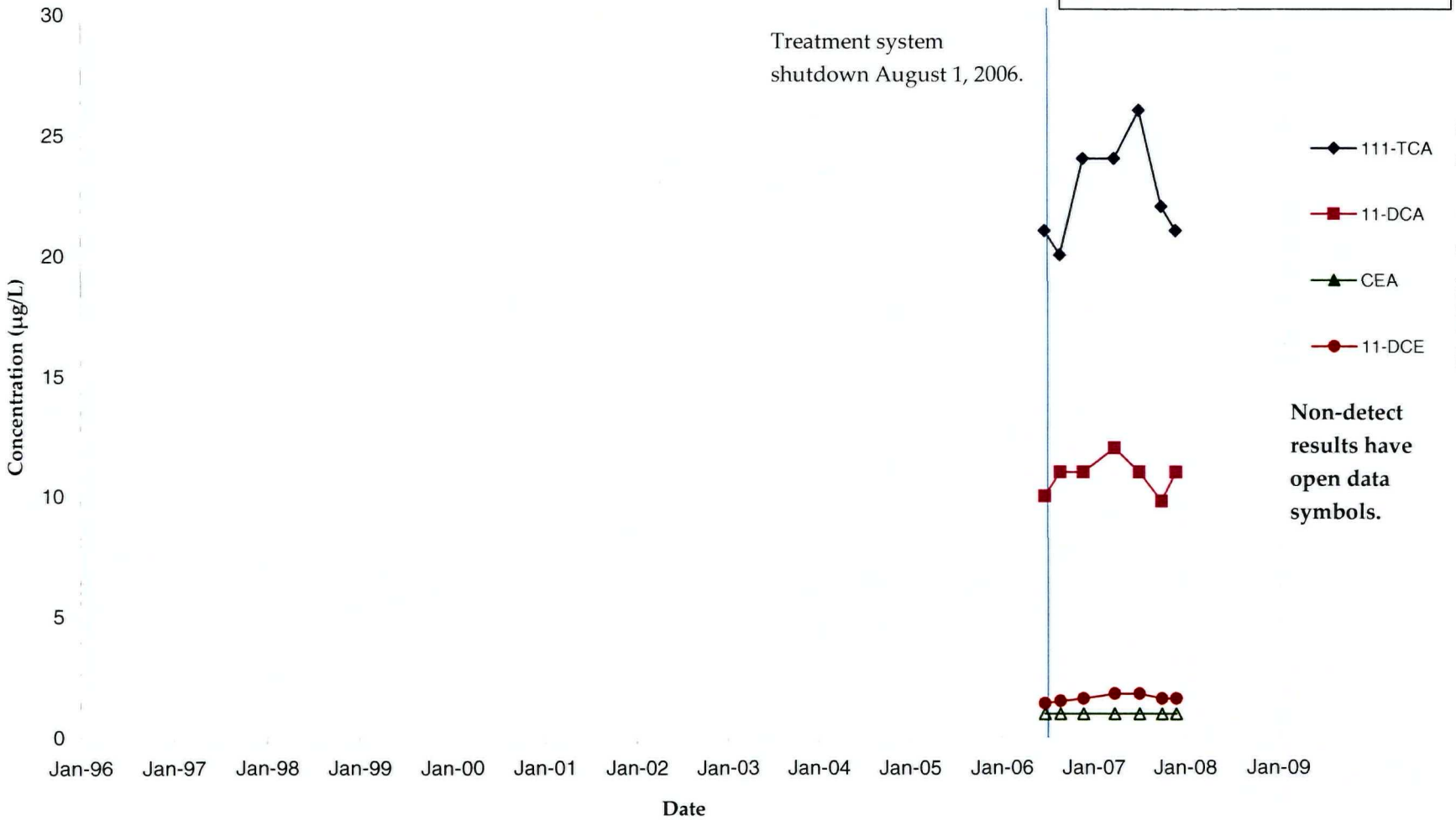
RM-214D
VOC Concentration Trends
Lemberger Landfill





46

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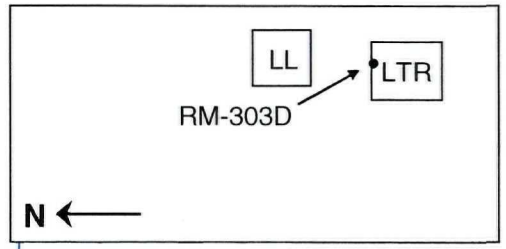
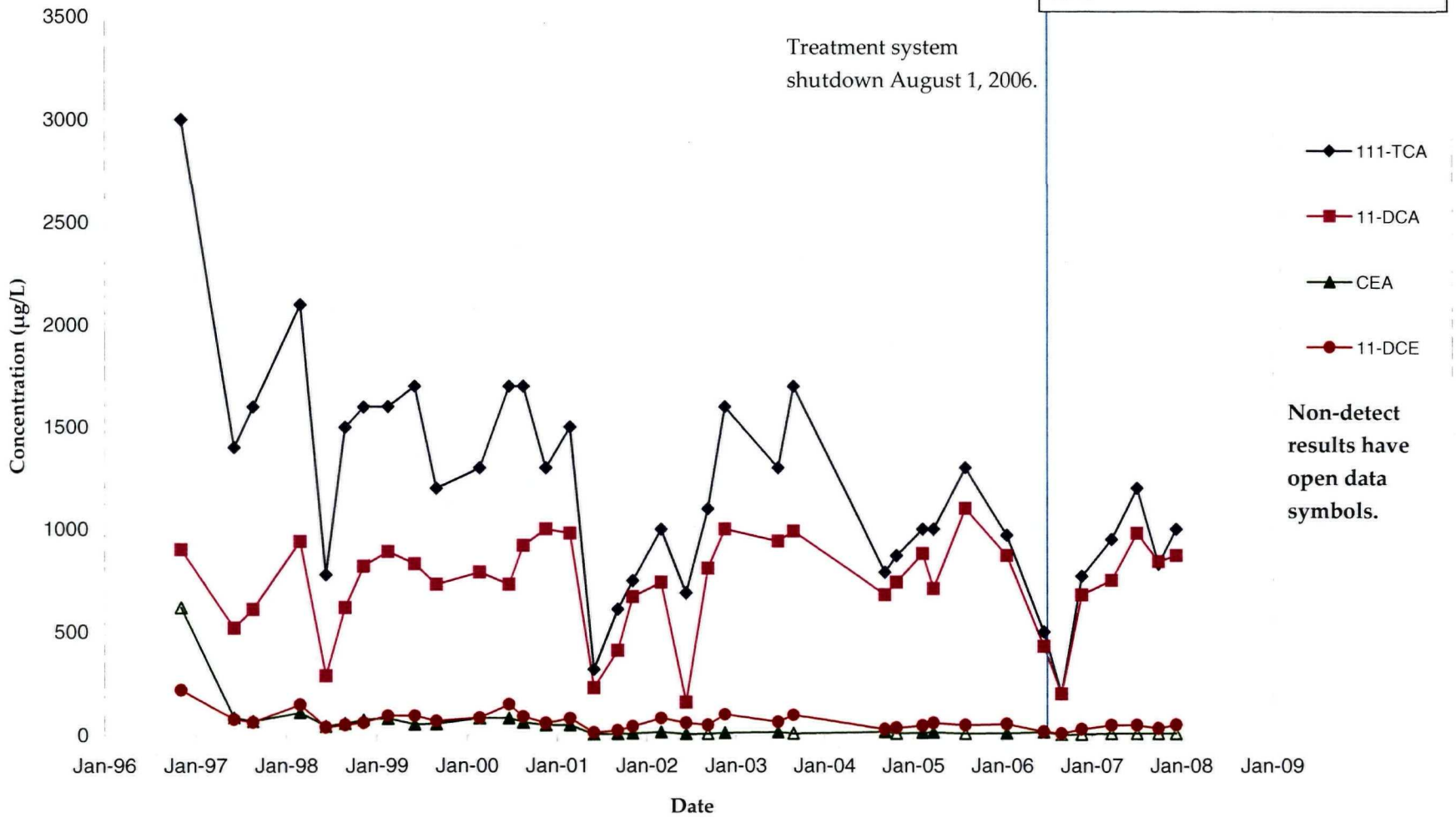
RM-303D
VOC Concentration Trends
Lemberger Landfill





47

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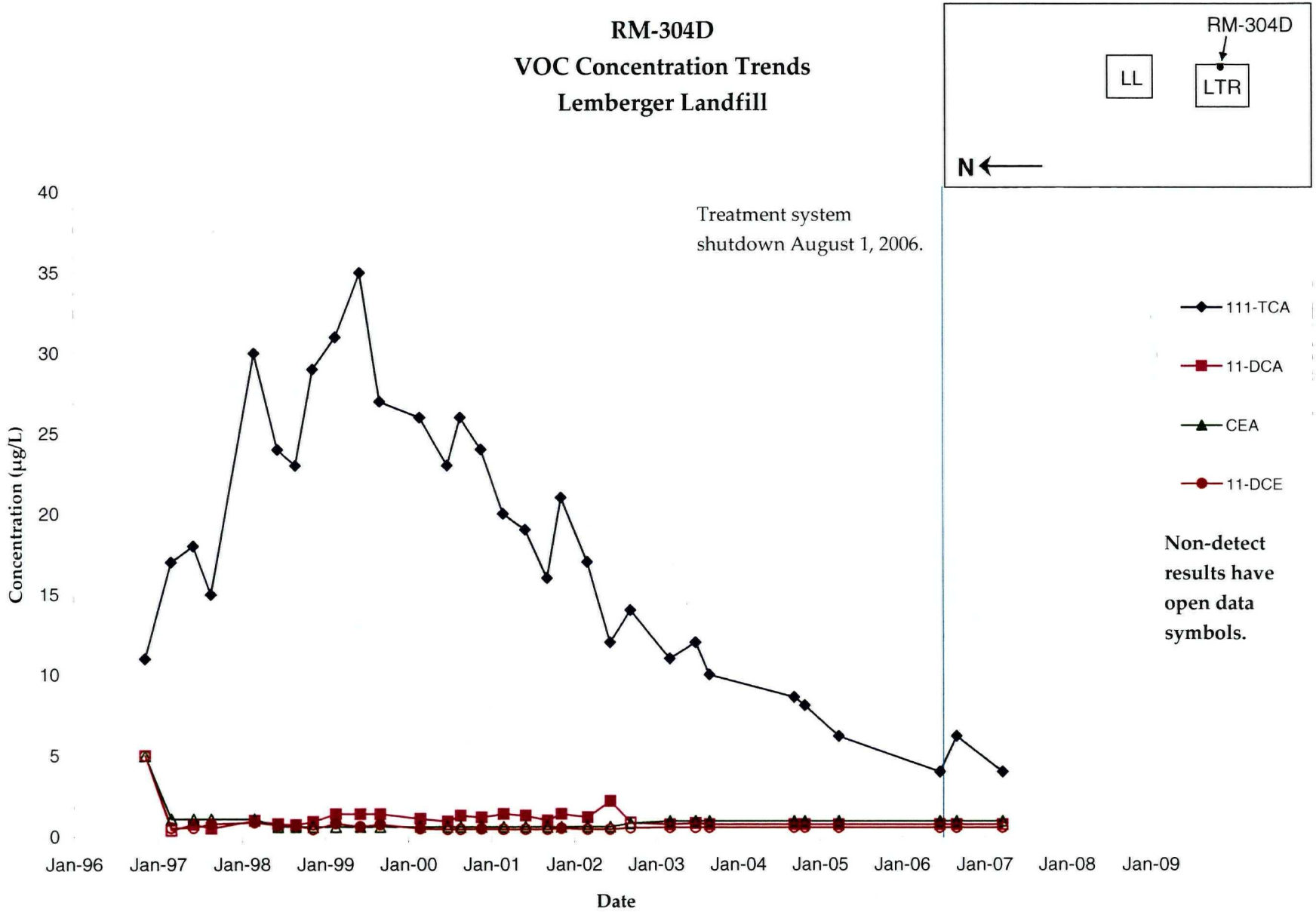
RM-304D
VOC Concentration Trends
Lemberger Landfill



48

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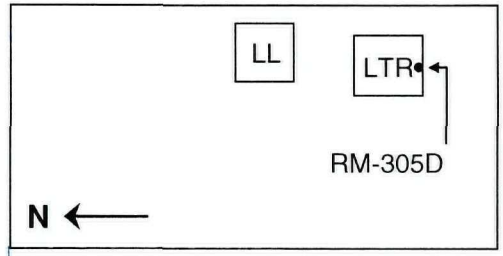
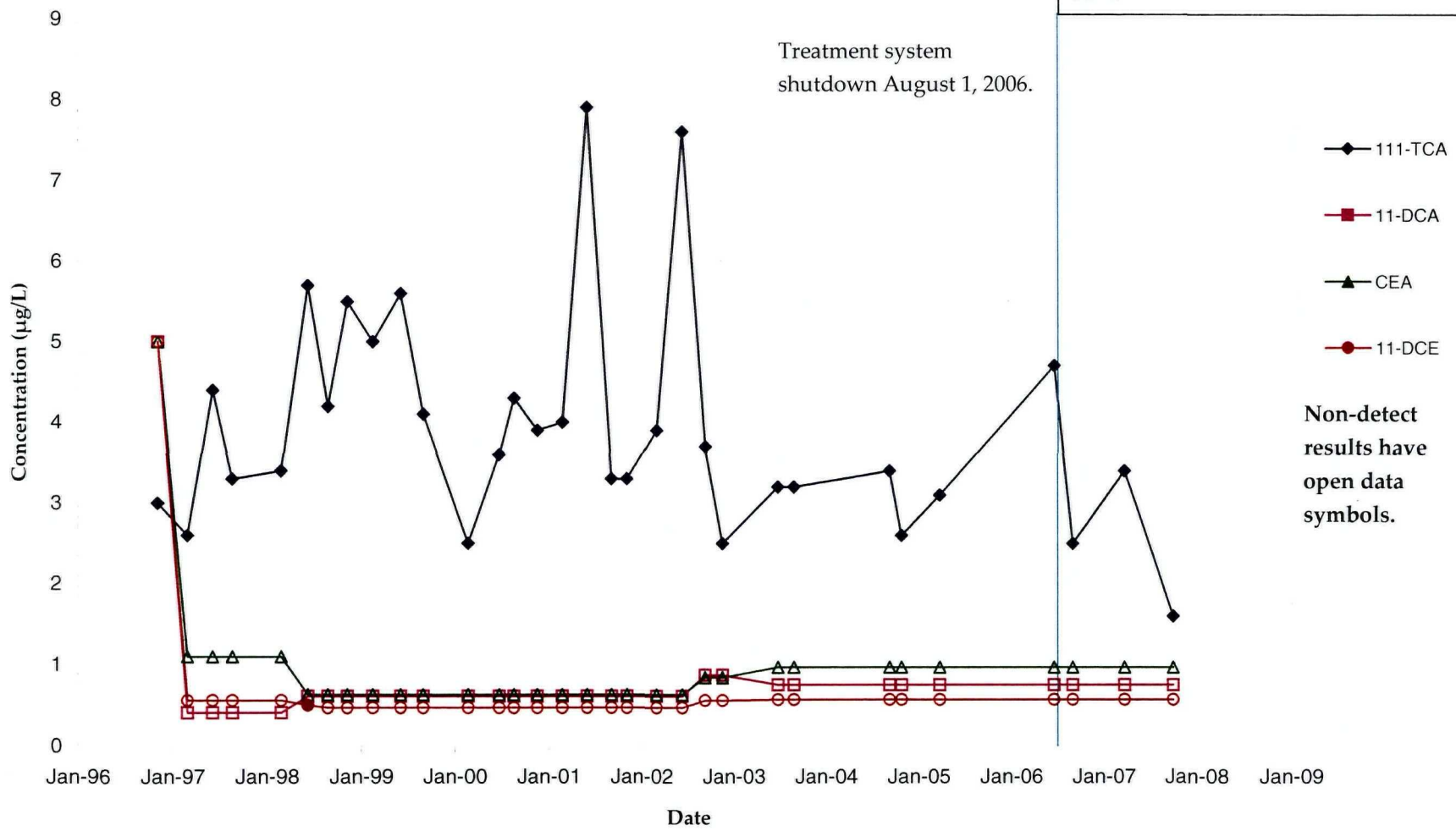
RM-305D
VOC Concentration Trends
Lemberger Landfill





49

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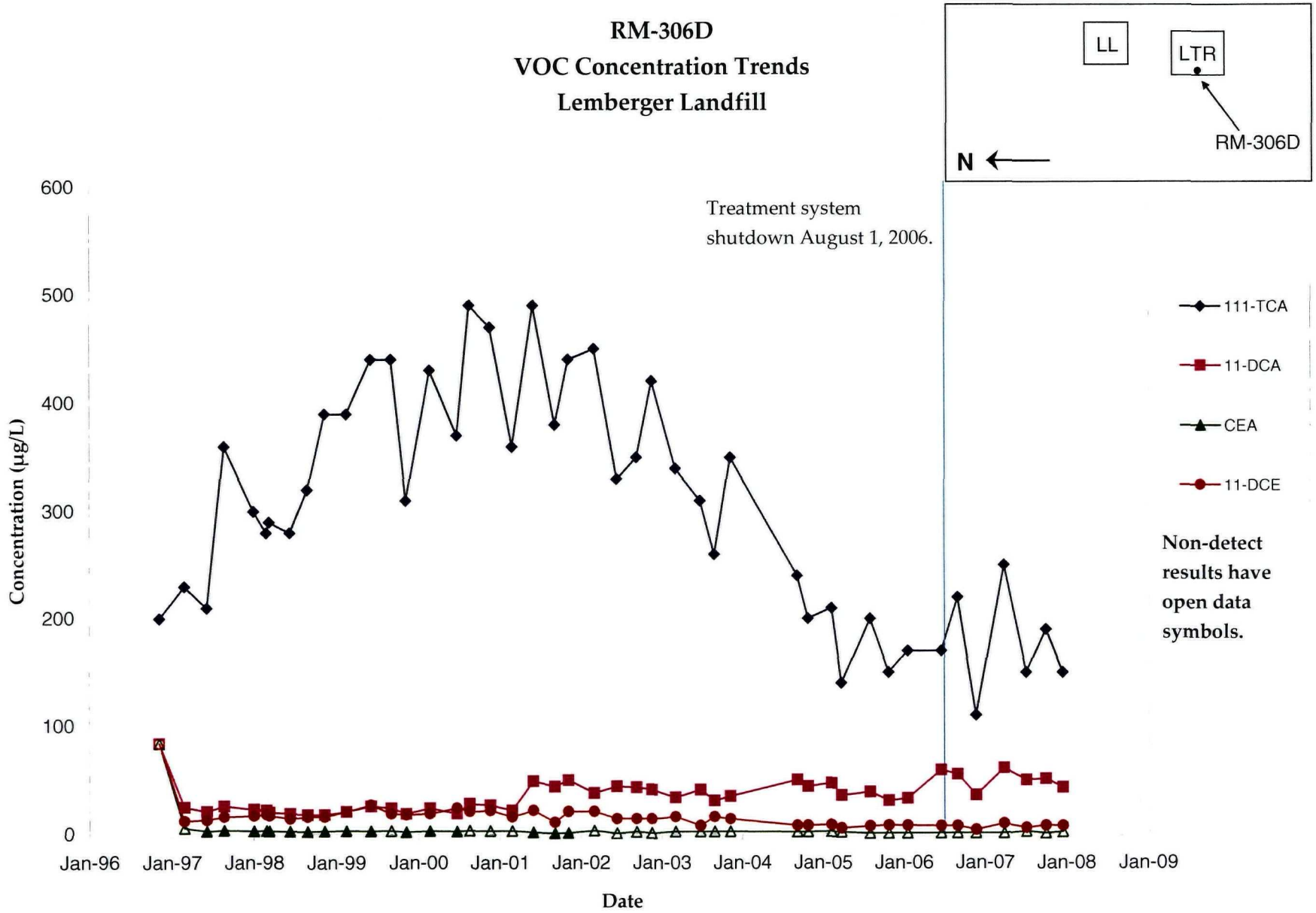
RM-306D
VOC Concentration Trends
Lemberger Landfill



50

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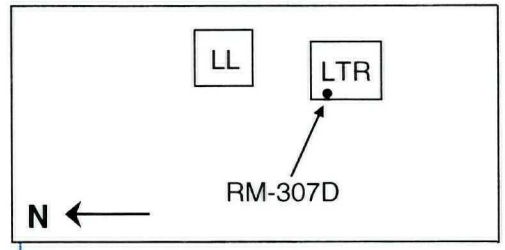
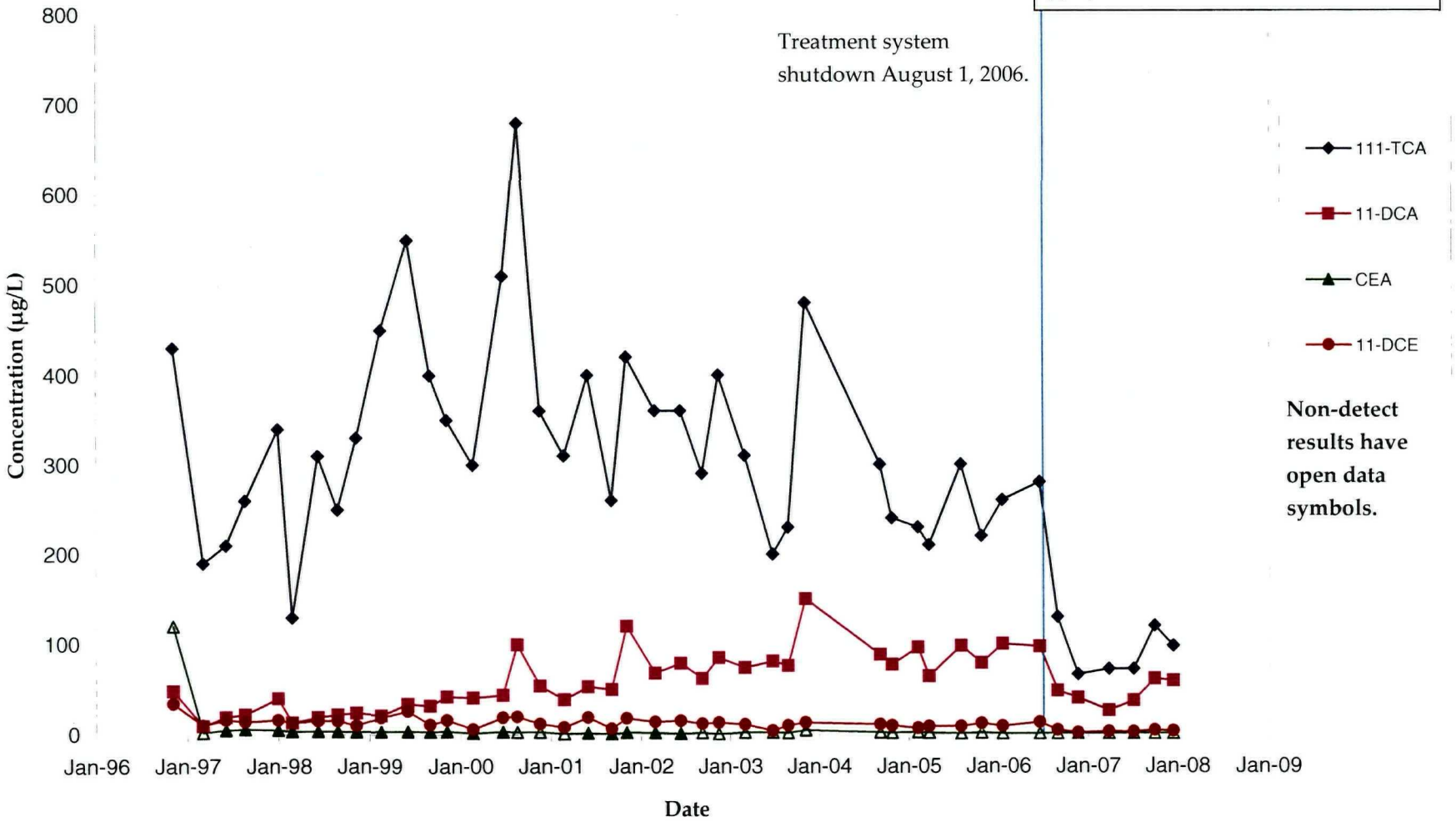
RM-307D
VOC Concentration Trends
Lemberger Landfill





5

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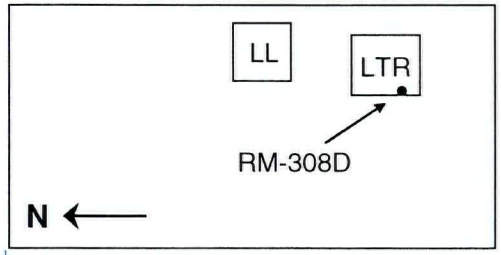
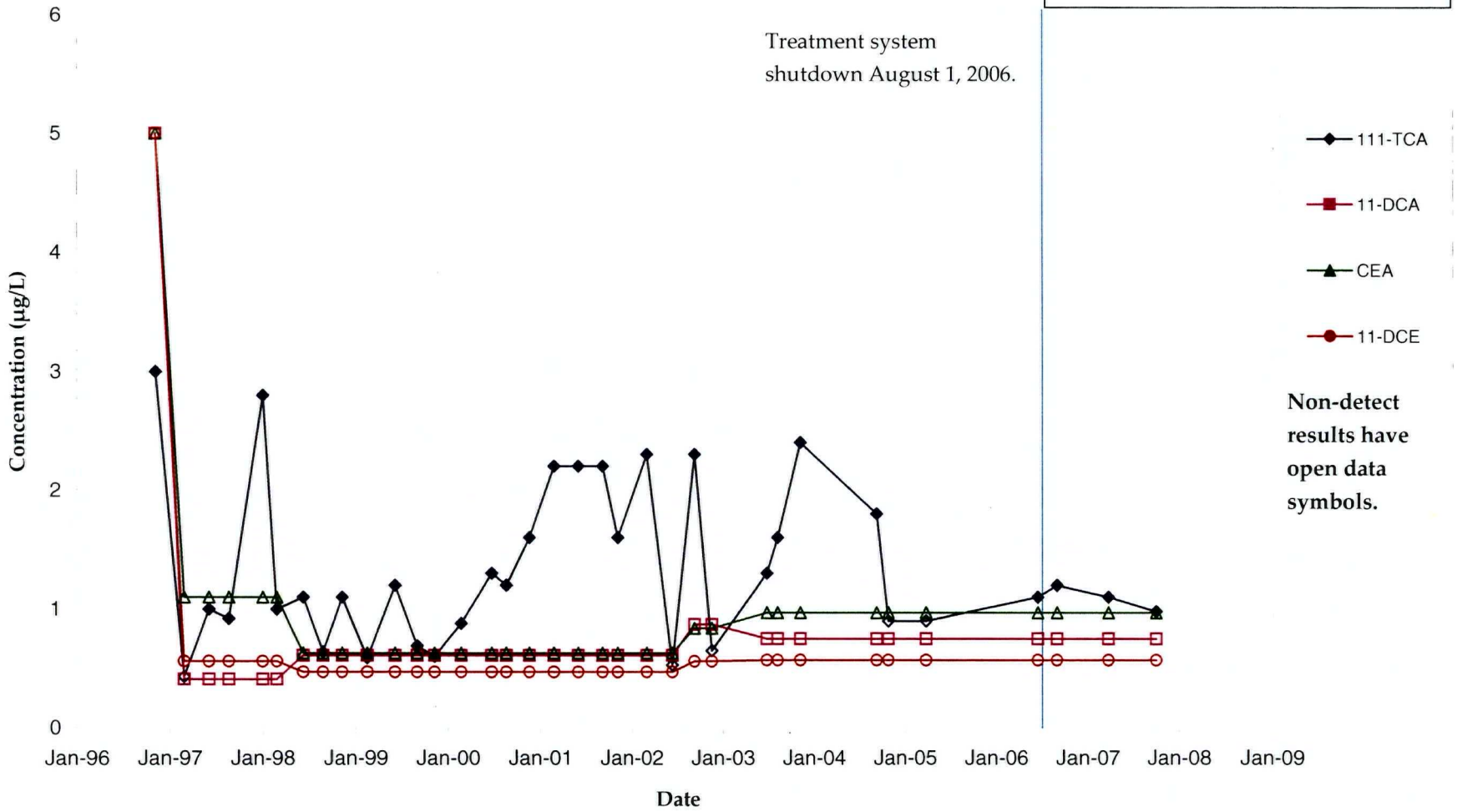
RM-308D
VOC Concentration Trends
Lemberger Landfill





23

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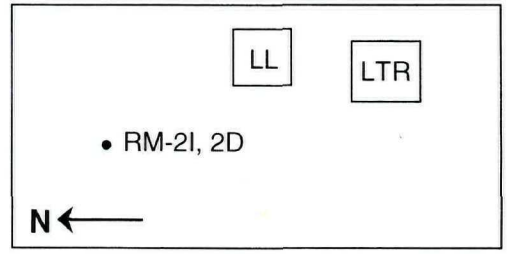
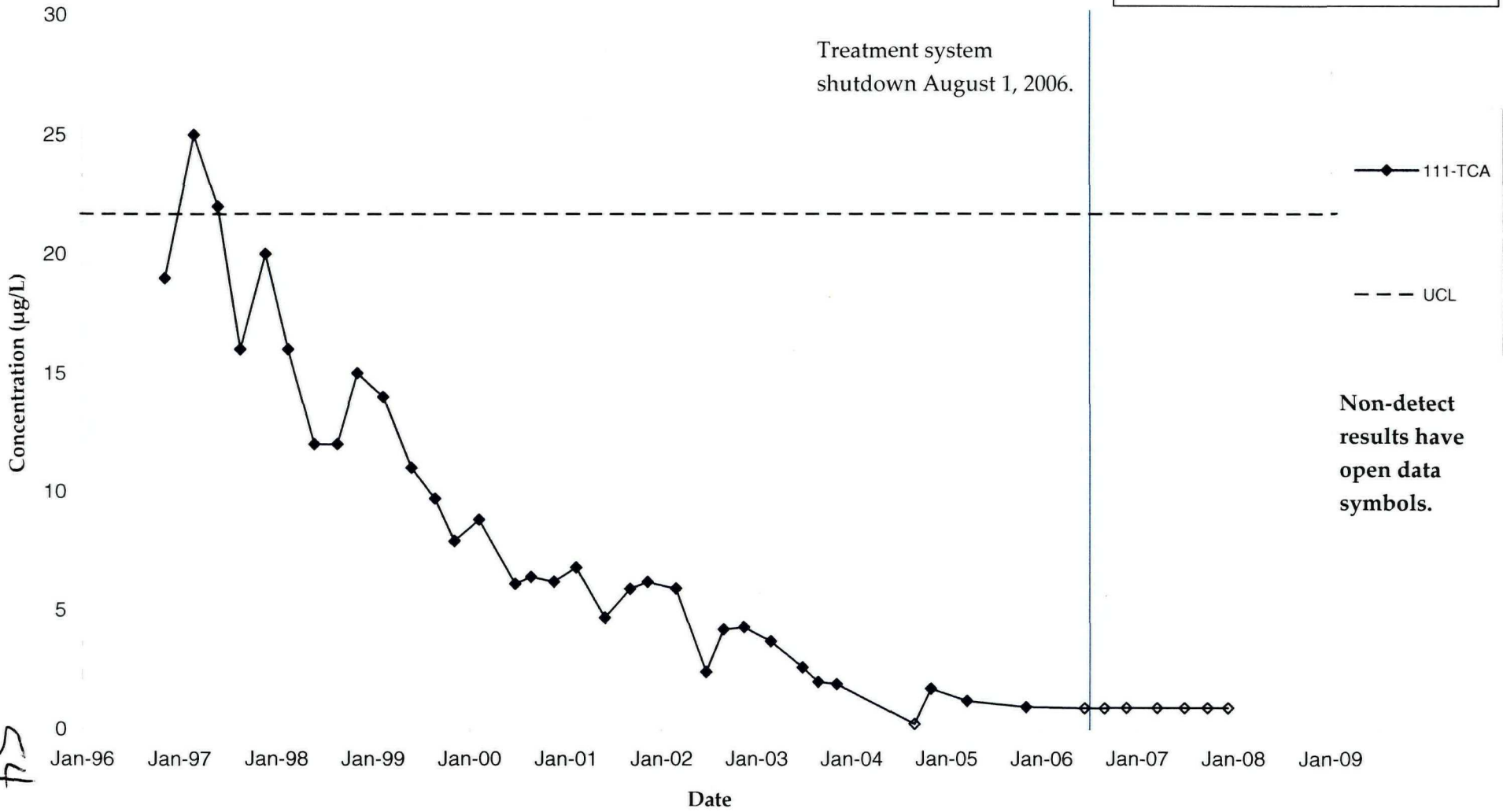
RM-002D
VOC Concentration Trends
Lemberger Landfill





Non-detect results have open data symbols.

54

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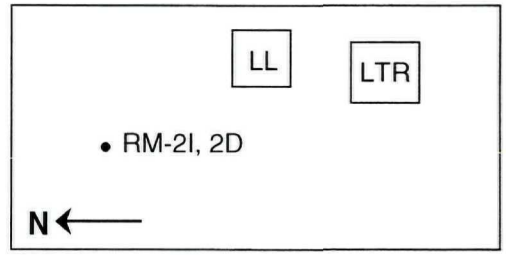
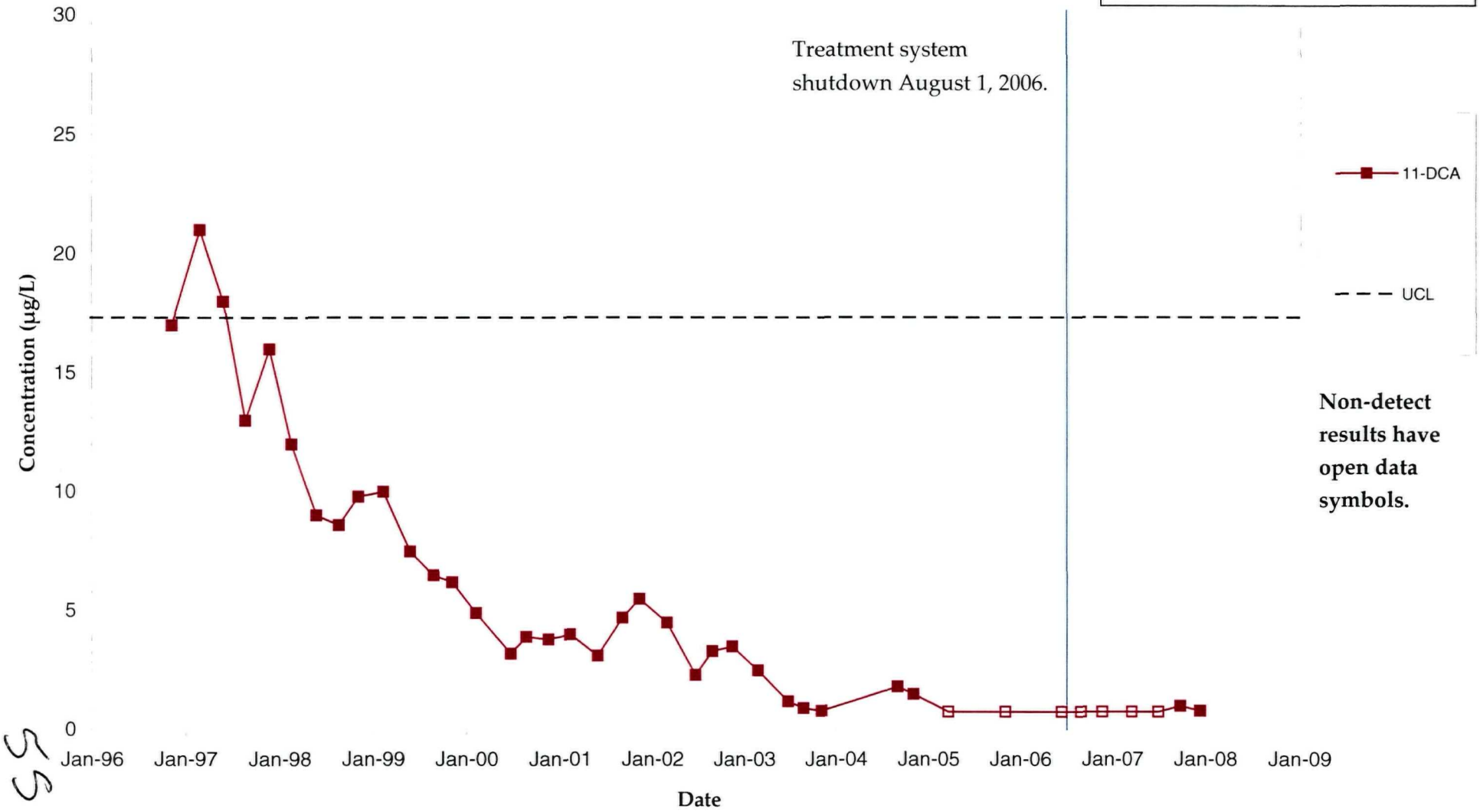
RM-002D
VOC Concentration Trends
Lemberger Landfill





Non-detect results have open data symbols.

55

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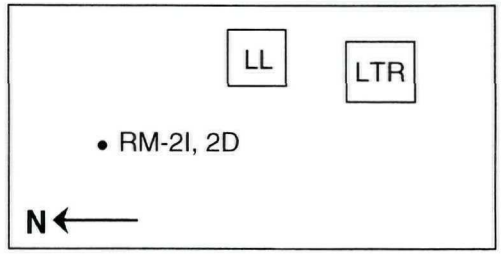
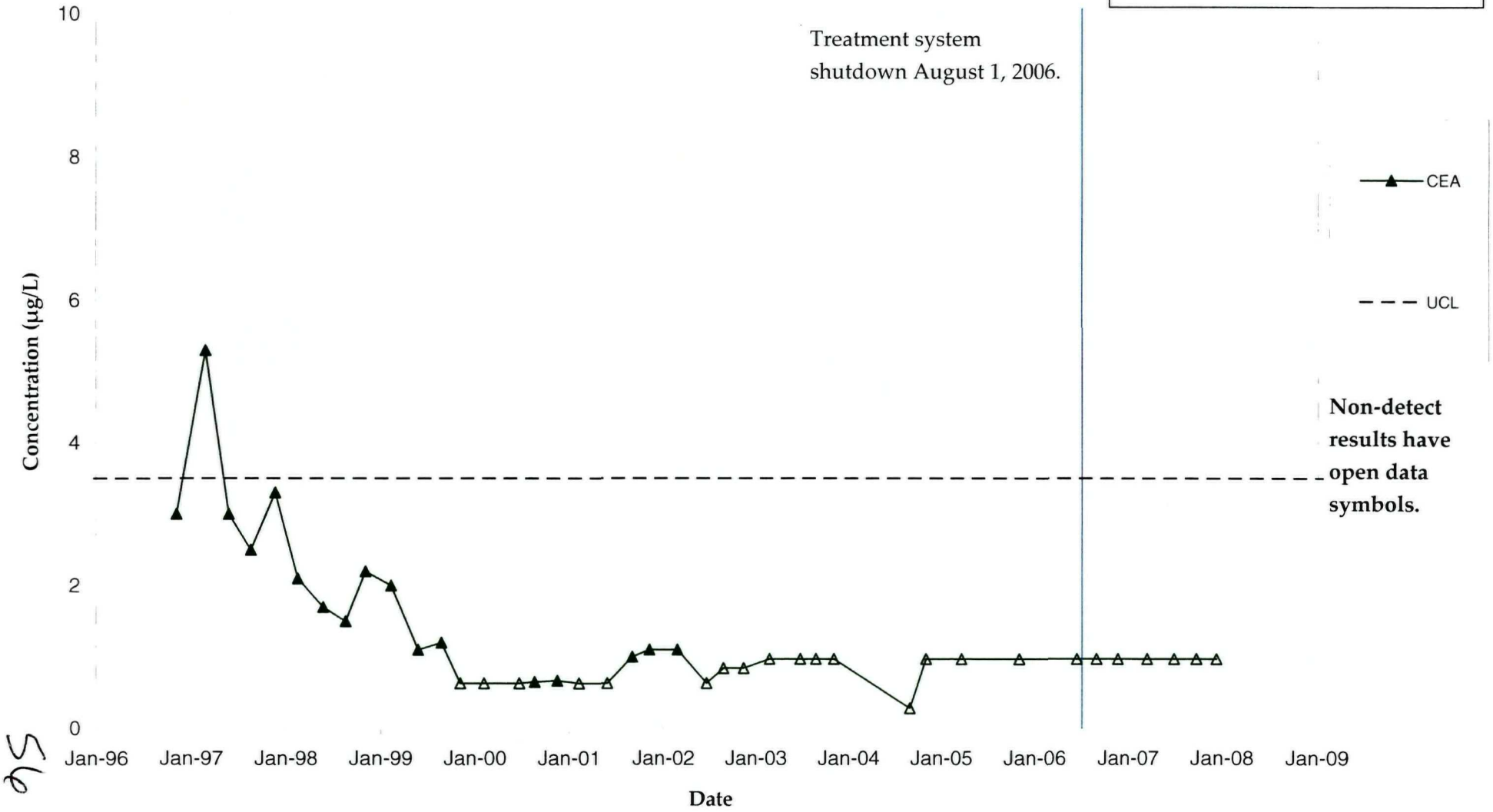
RM-002D
VOC Concentration Trends
Lemberger Landfill





56

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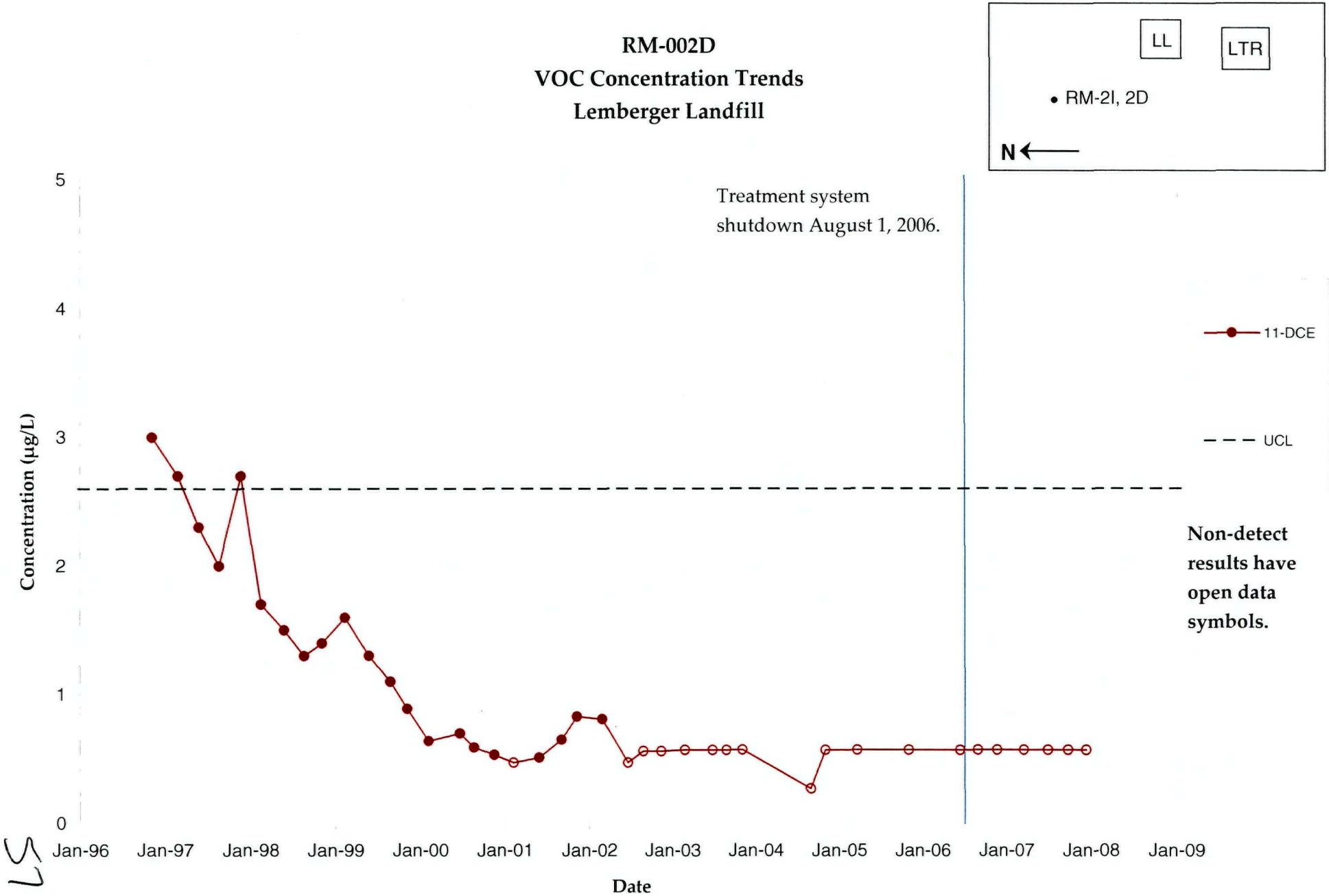

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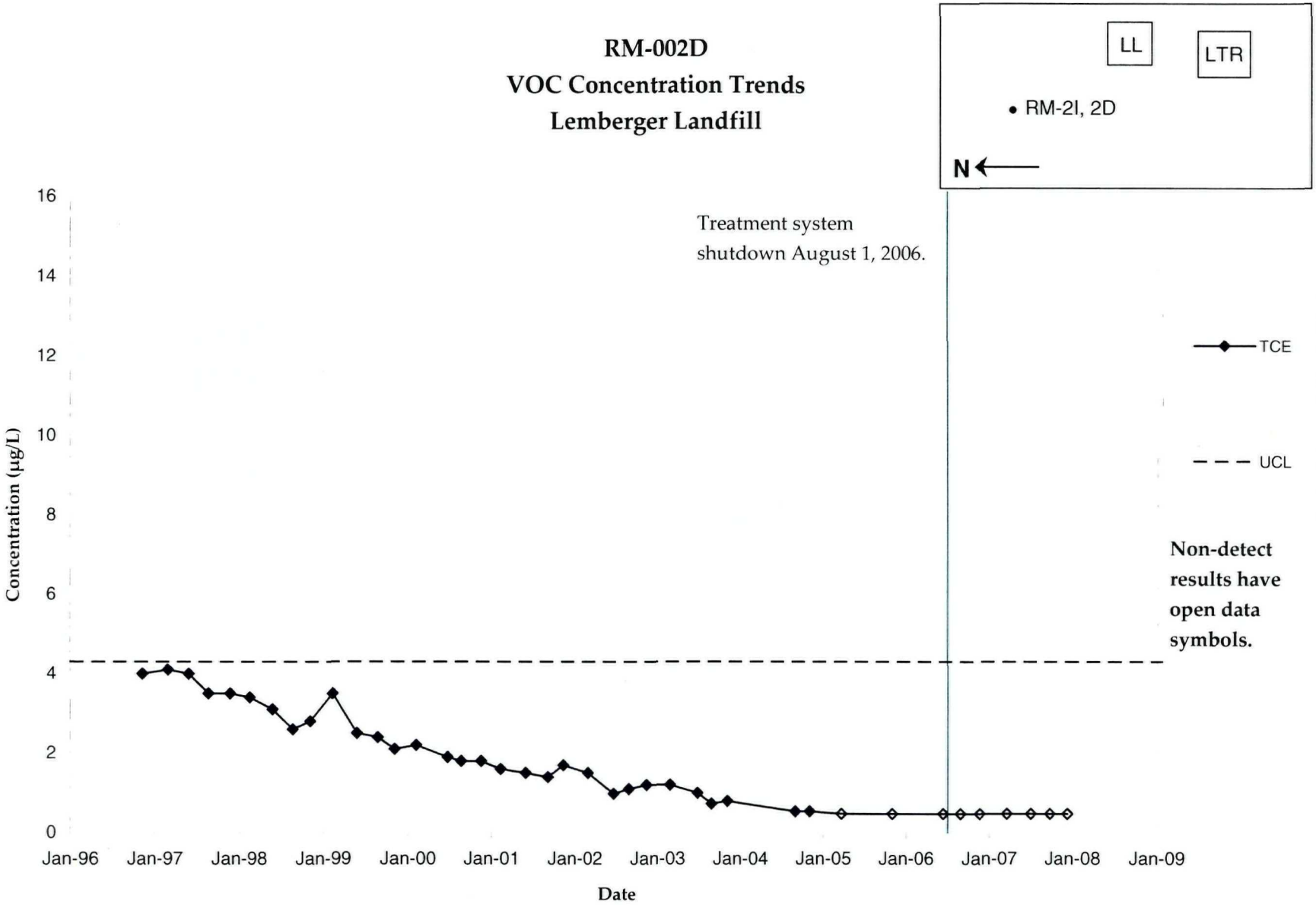
57

RM-002D
VOC Concentration Trends
Lemberger Landfill



58

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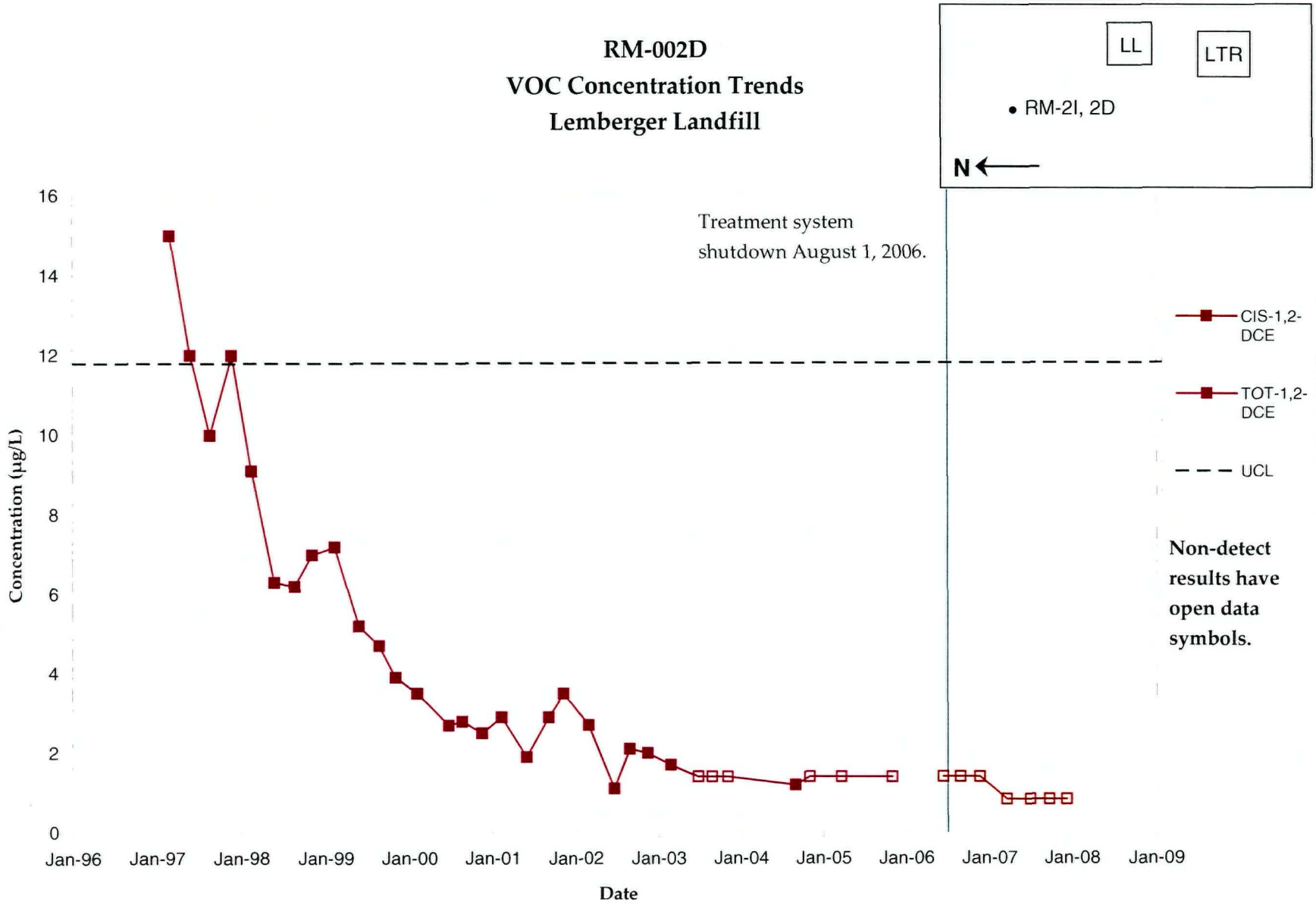
RM-002D
VOC Concentration Trends
Lemberger Landfill



59

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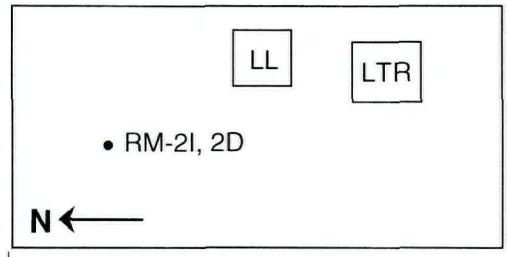
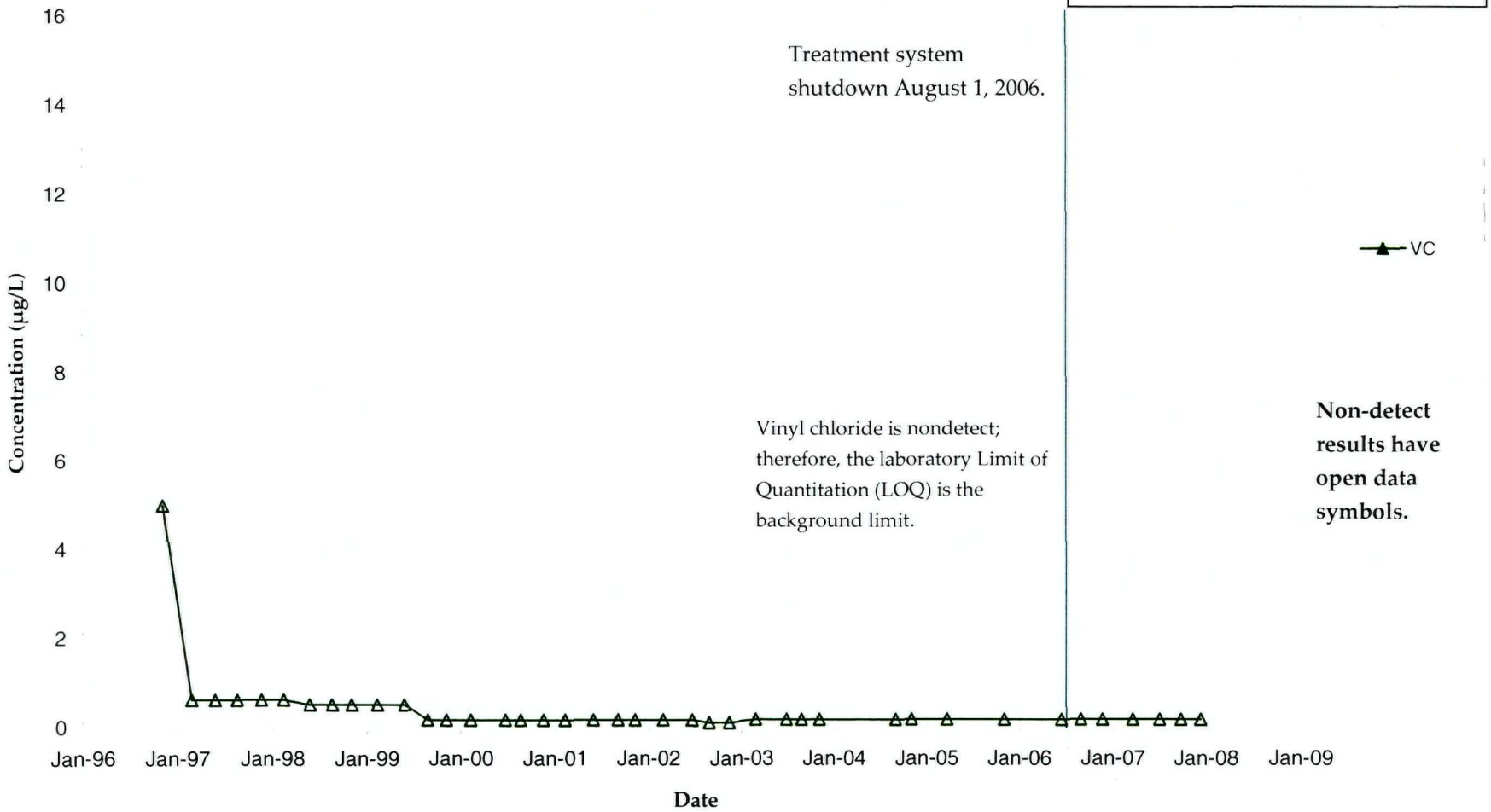
RM-002D
VOC Concentration Trends
Lemberger Landfill





60

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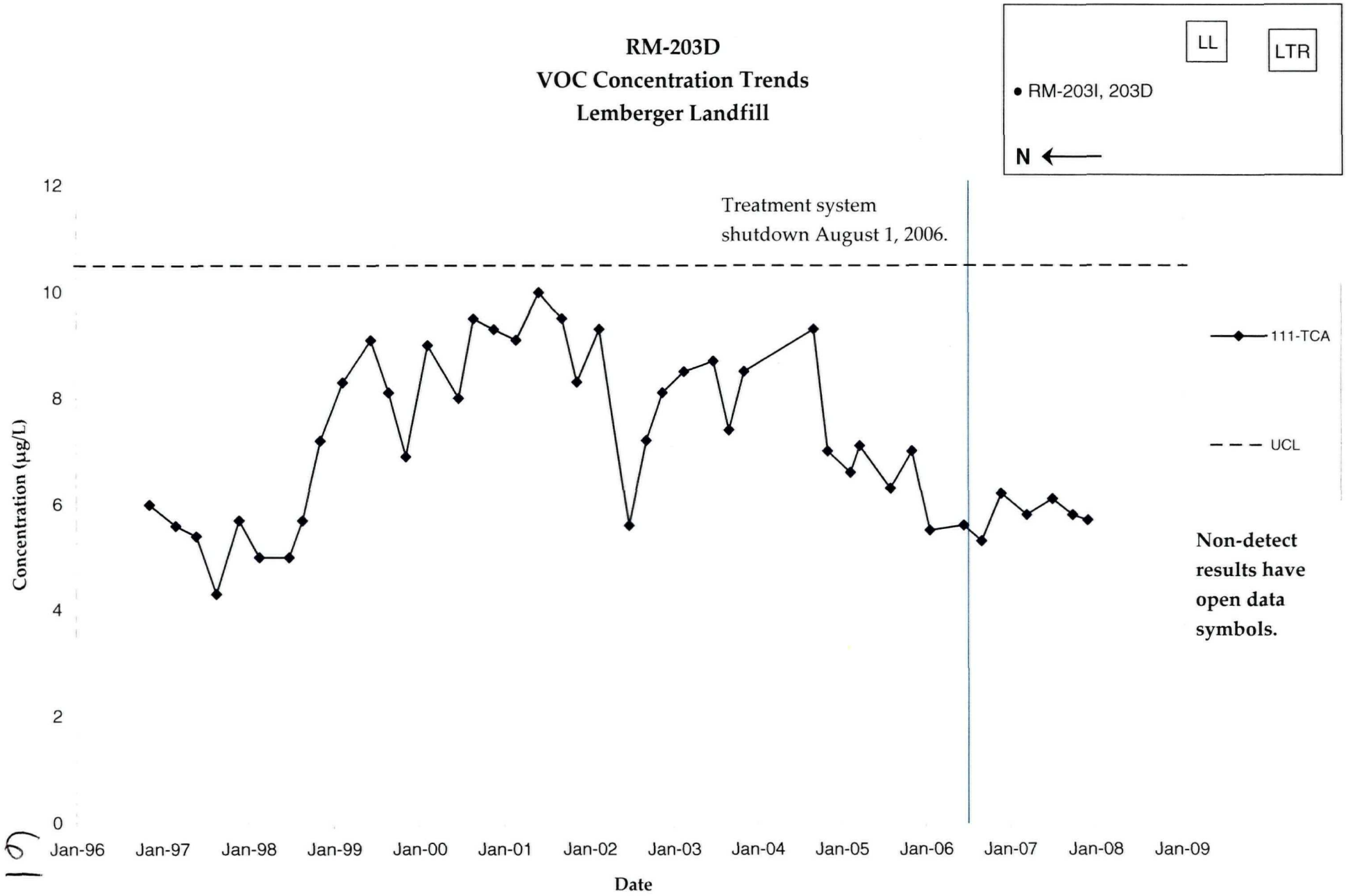
RM-203D
VOC Concentration Trends
Lemberger Landfill



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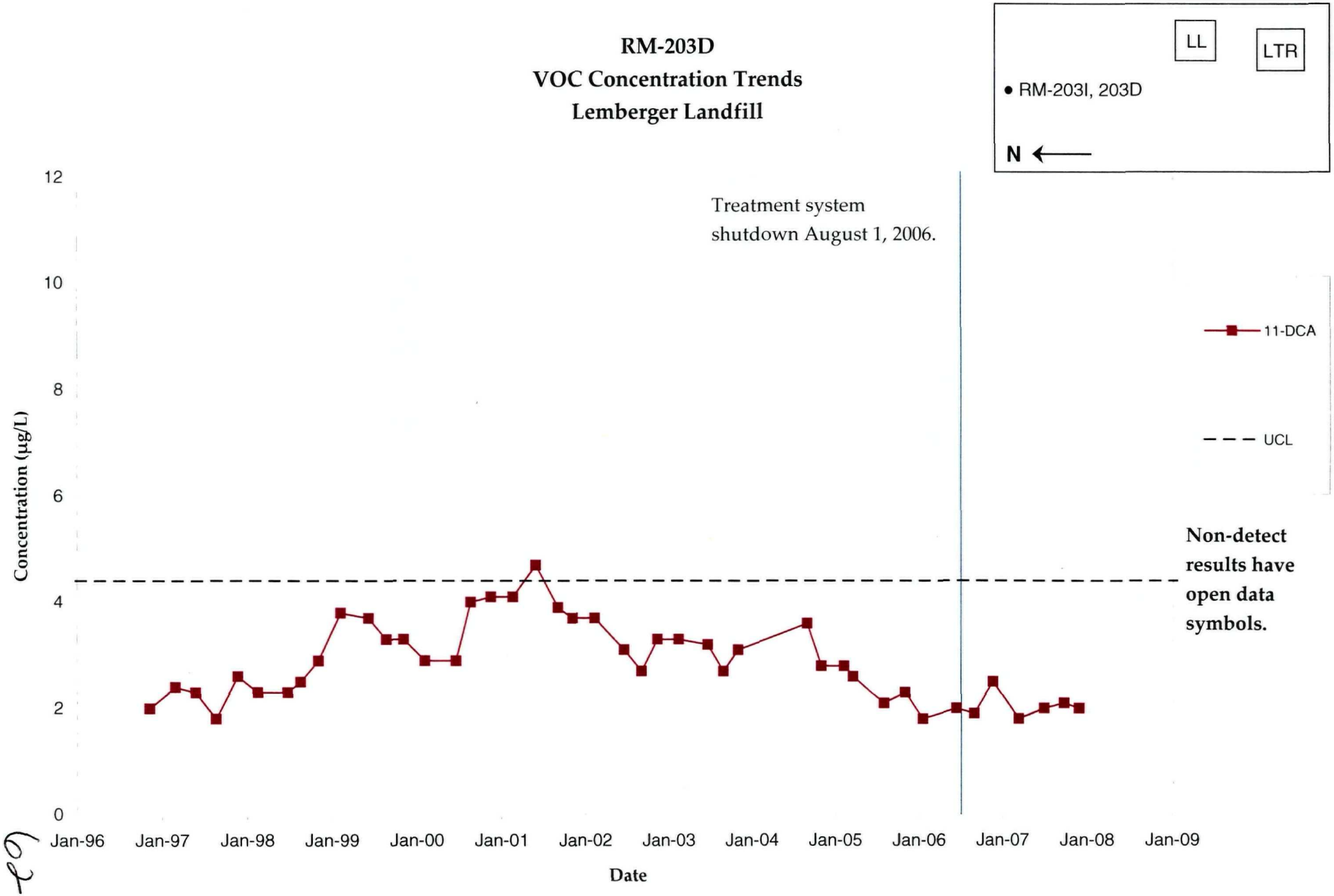

62

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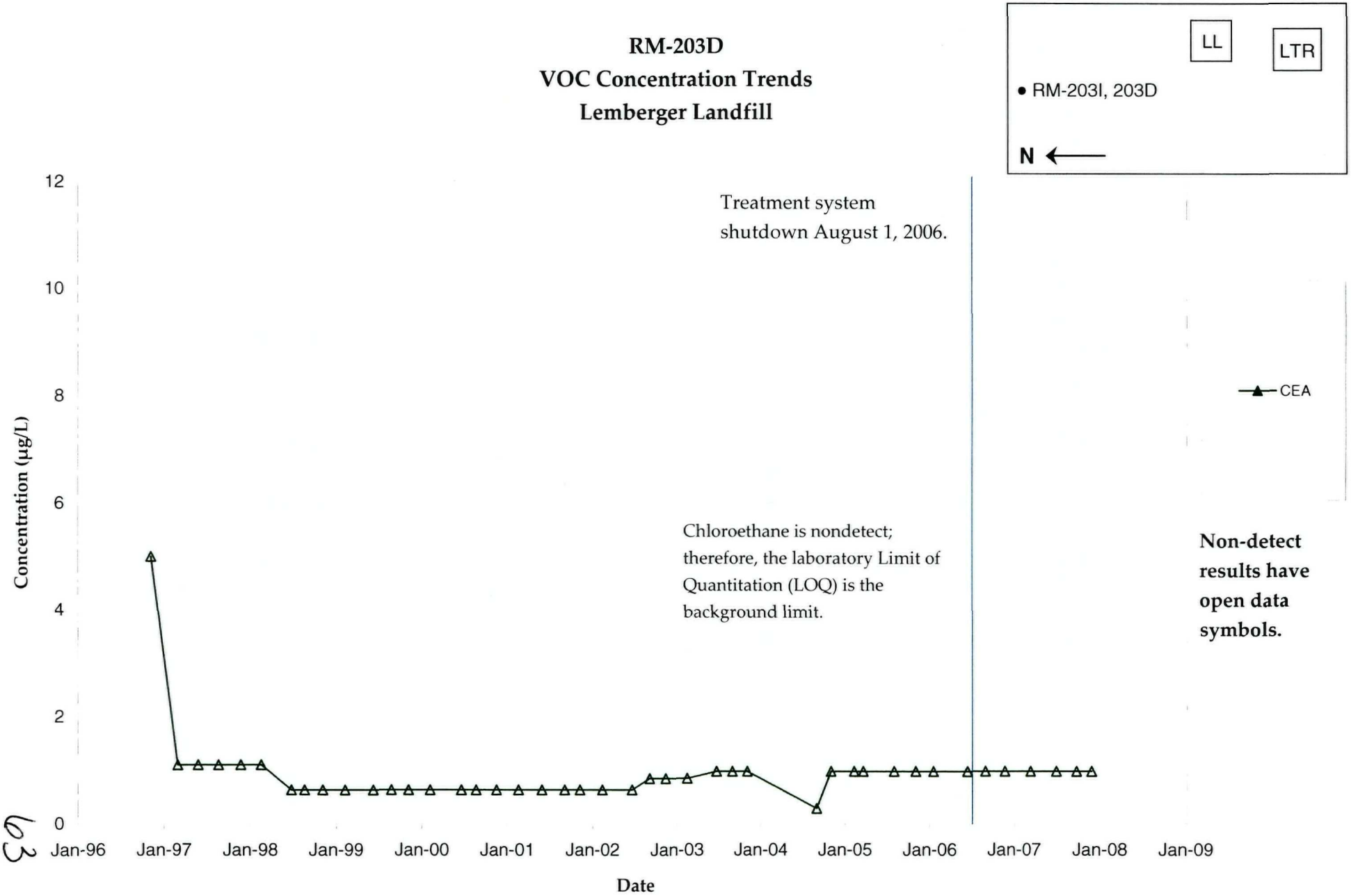
RM-203D
VOC Concentration Trends
Lemberger Landfill



63

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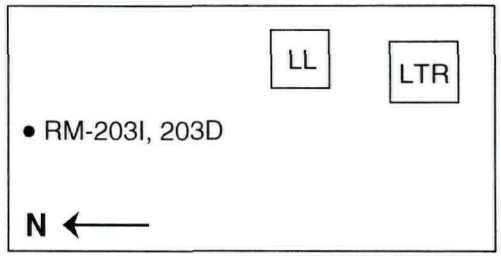
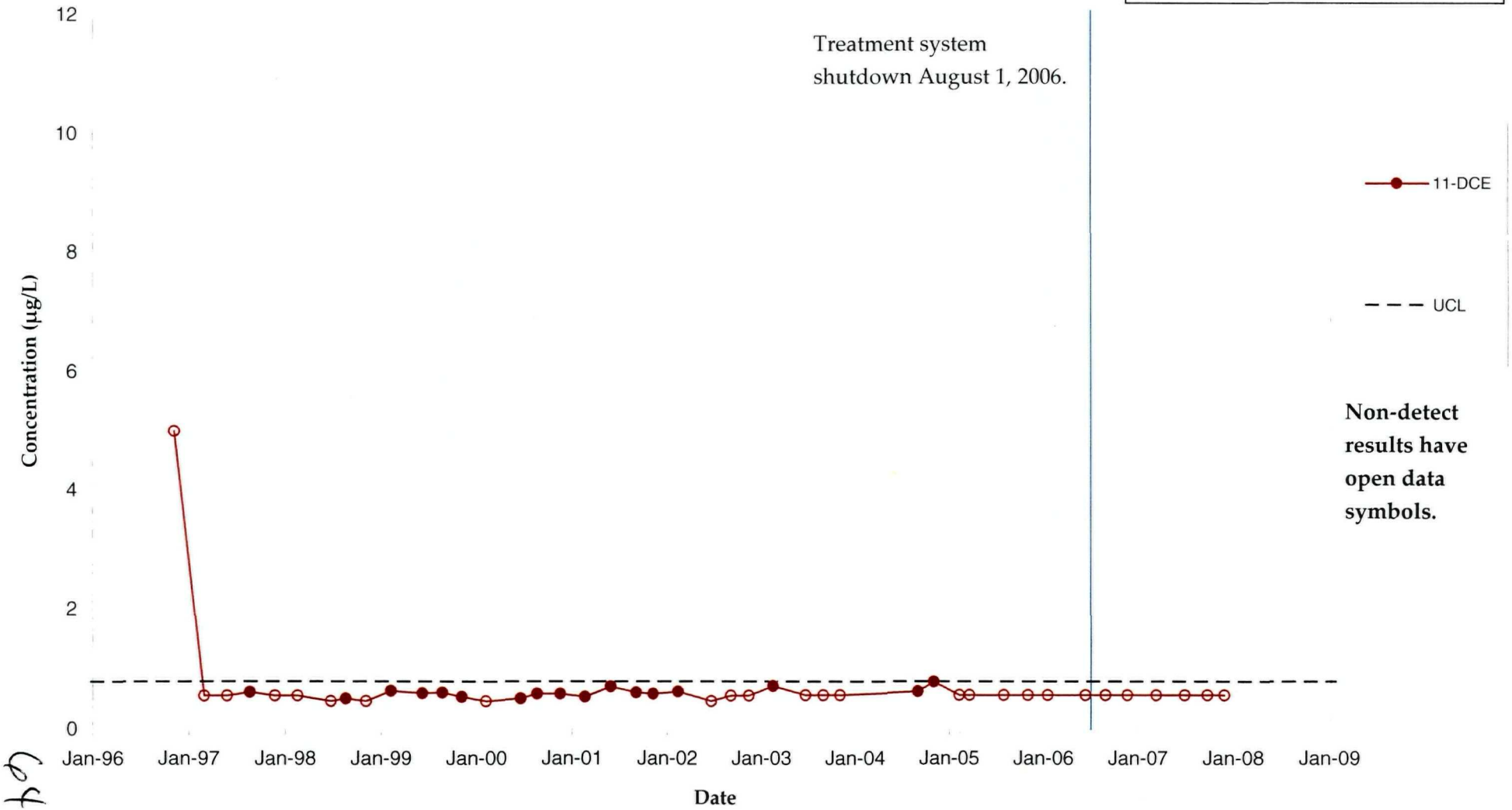
RM-203D
VOC Concentration Trends
Lemberger Landfill





Non-detect results have open data symbols.

64

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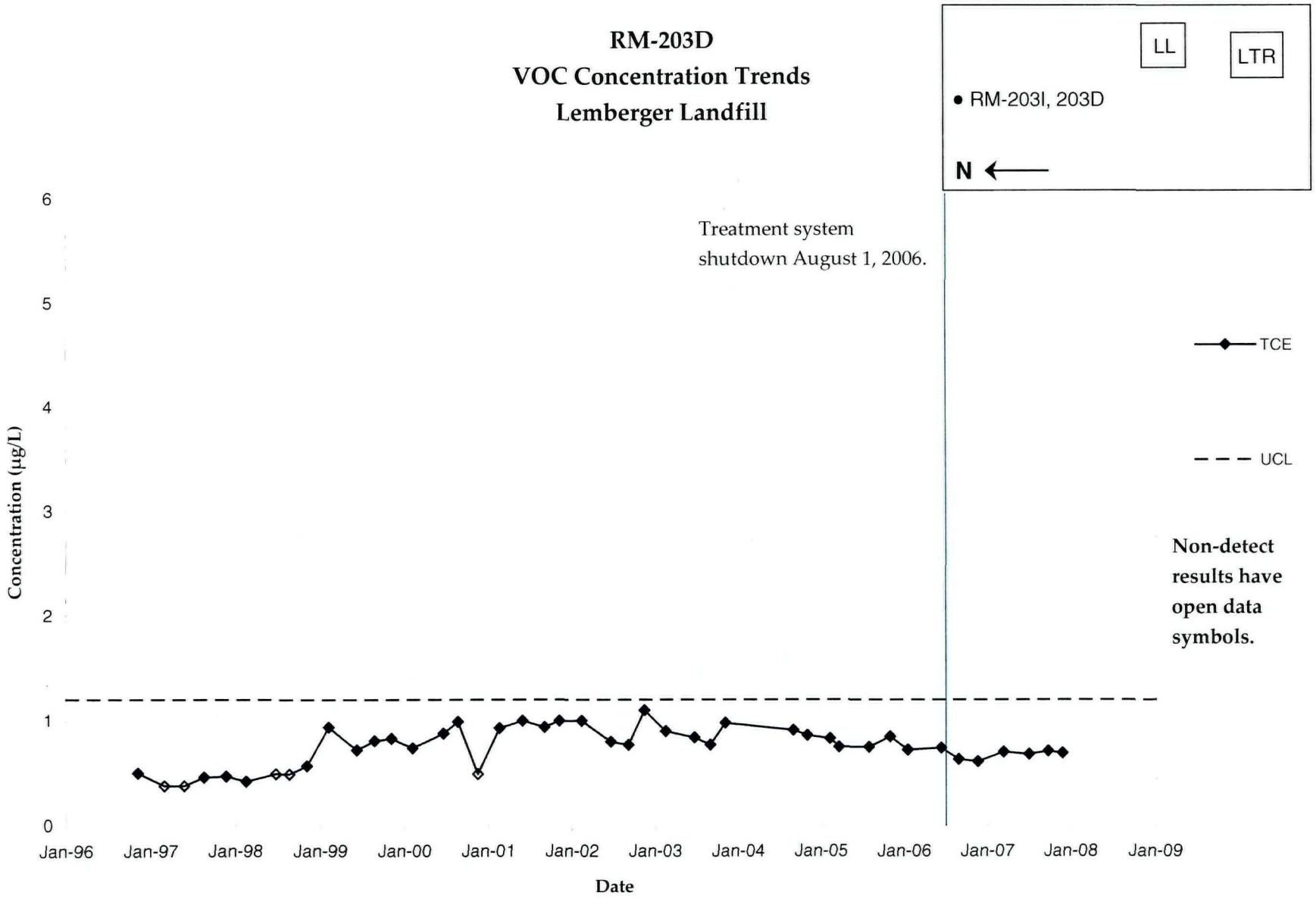
RM-203D
VOC Concentration Trends
Lemberger Landfill



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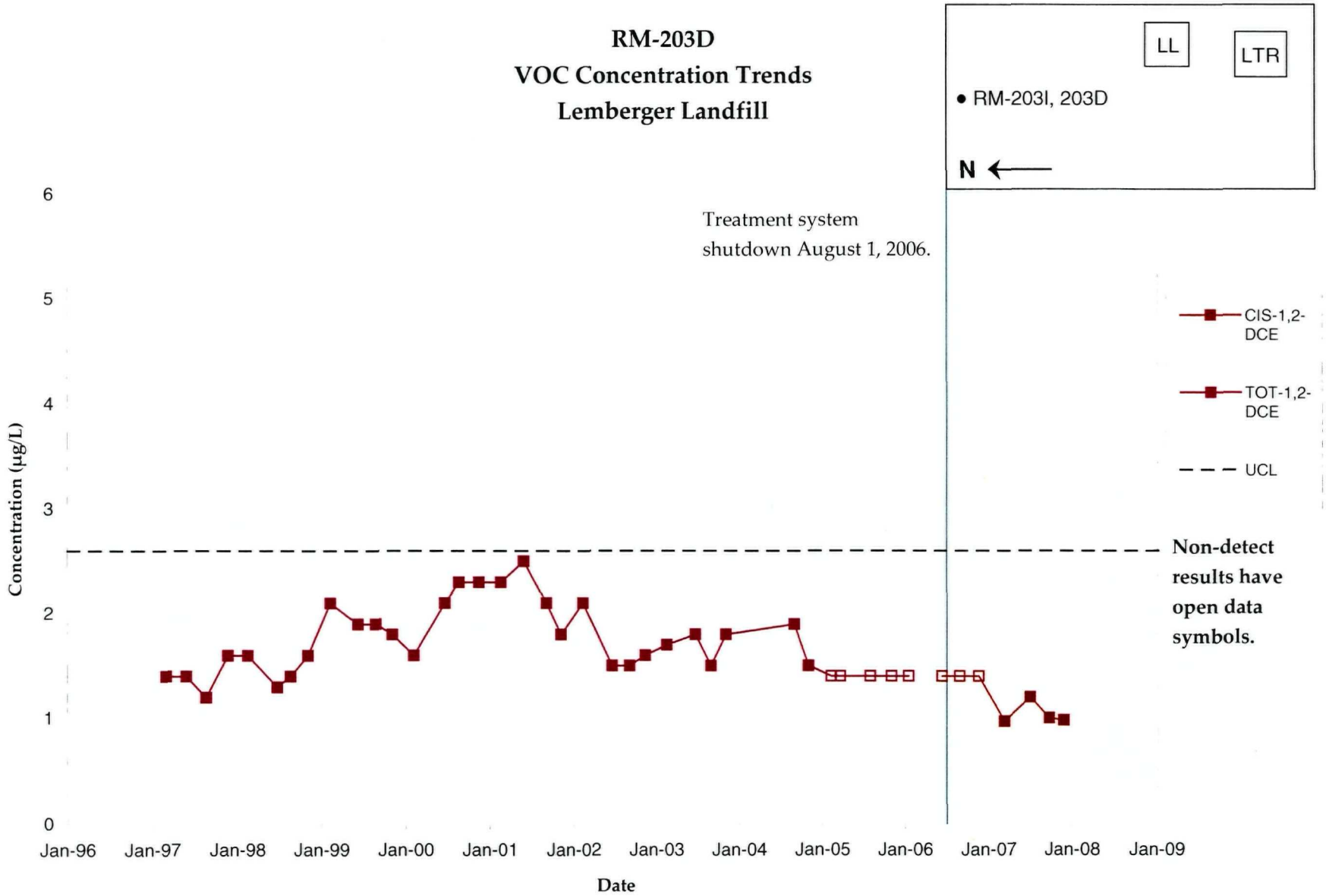

66

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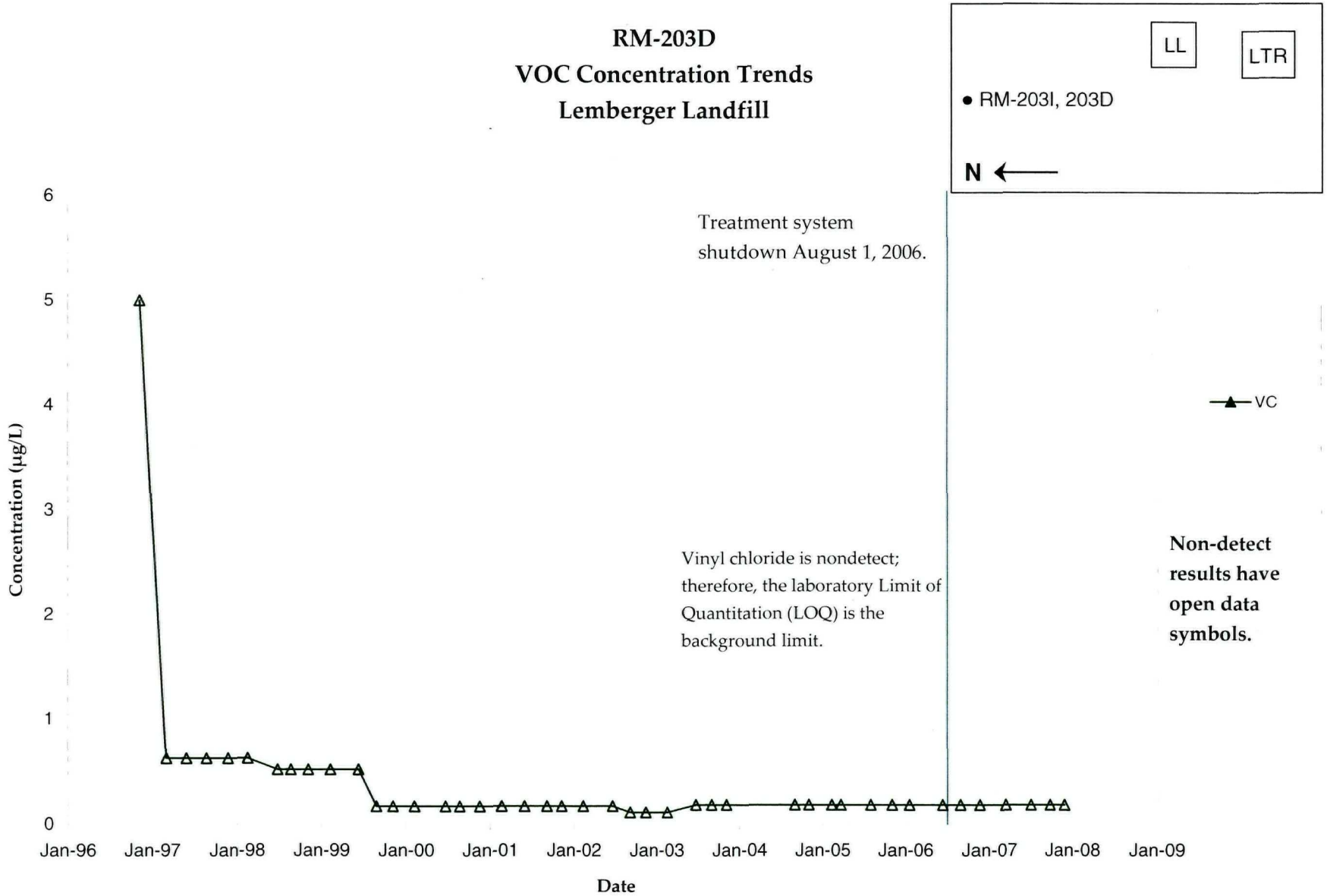
RM-203D
VOC Concentration Trends
Lemberger Landfill



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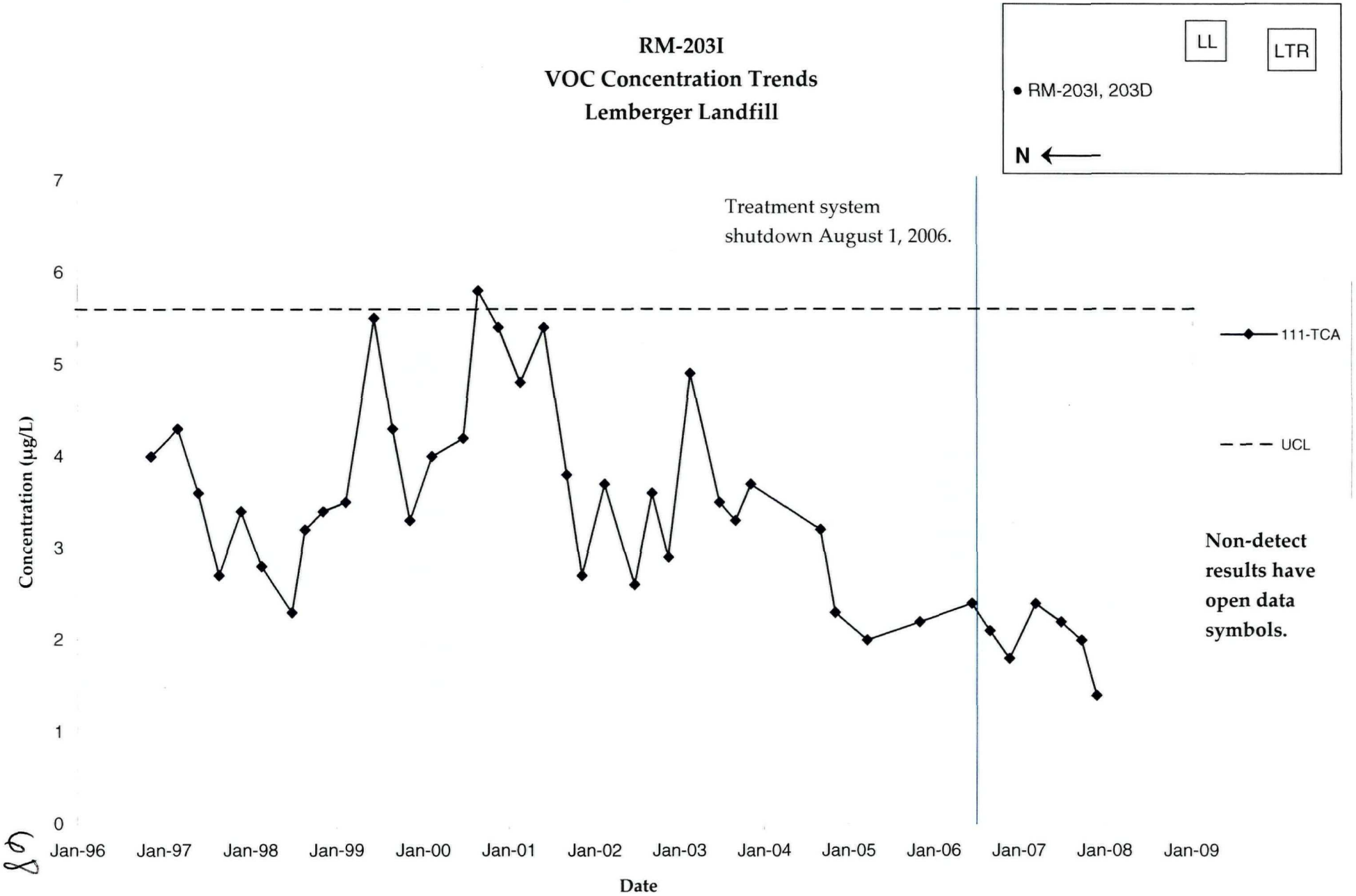

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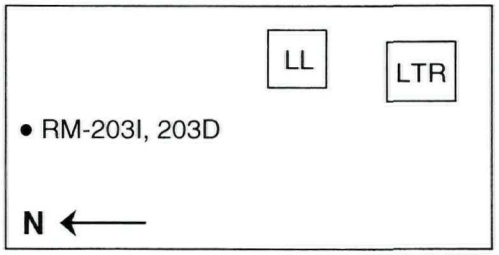
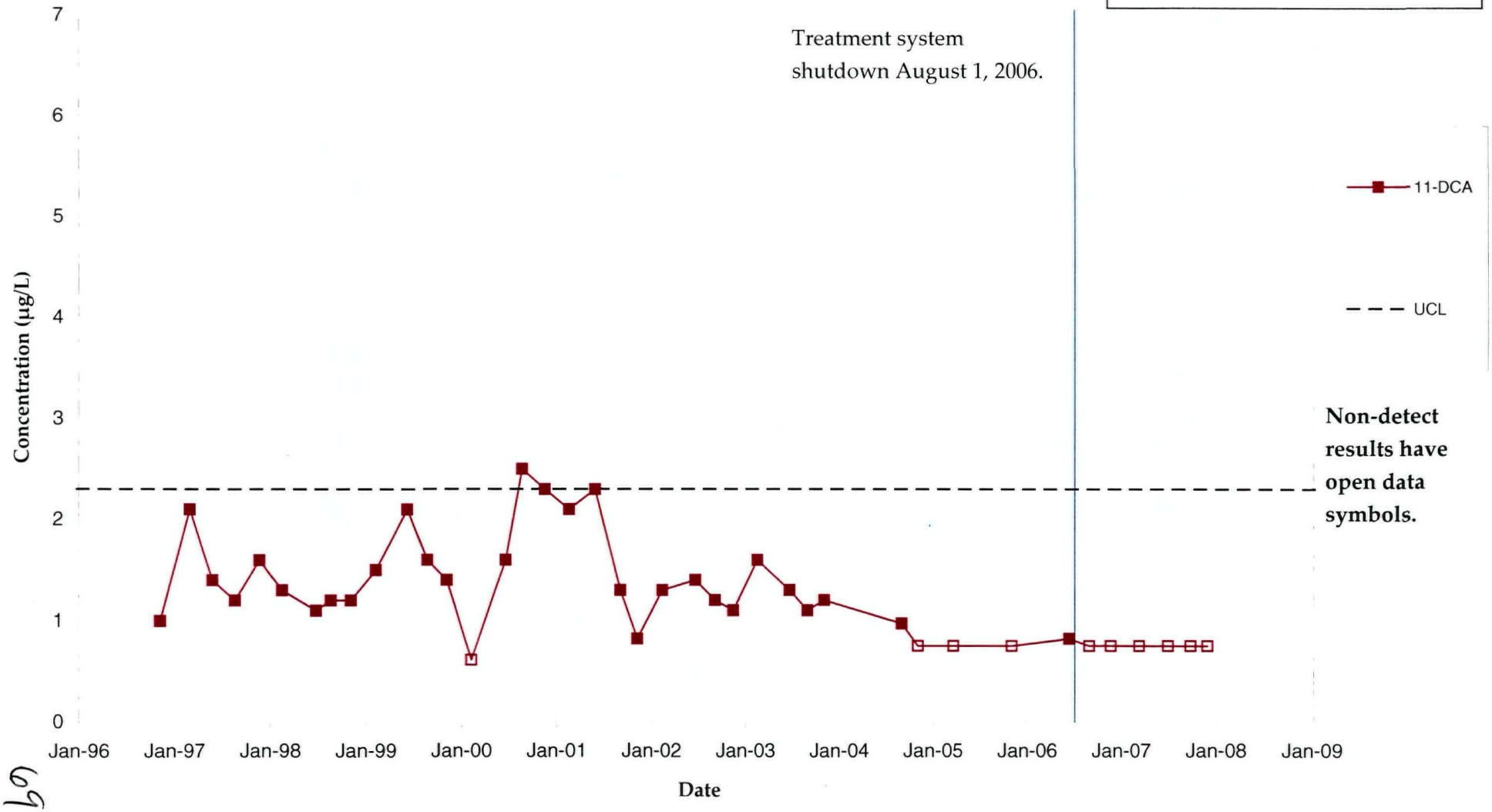
RM-203I
VOC Concentration Trends
Lemberger Landfill





69

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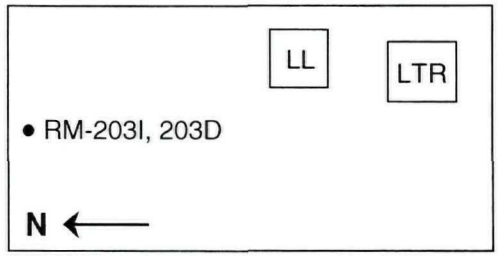
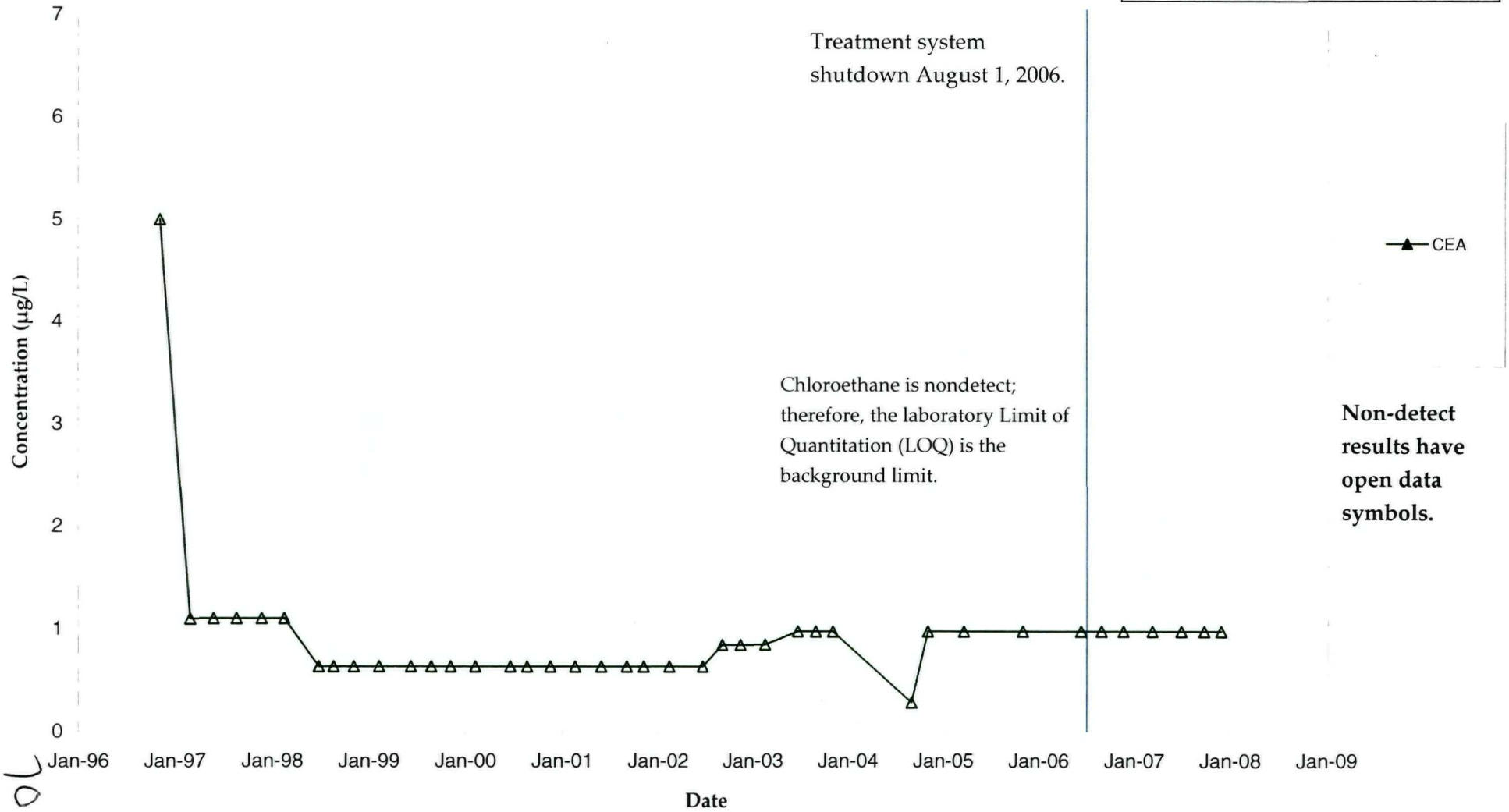
RM-203I
VOC Concentration Trends
Lemberger Landfill





Non-detect results have open data symbols.

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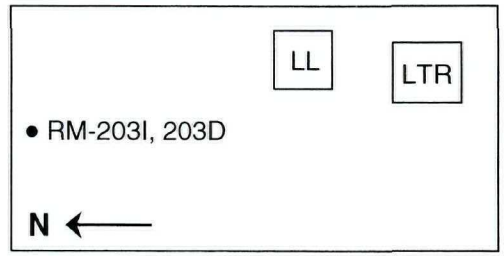
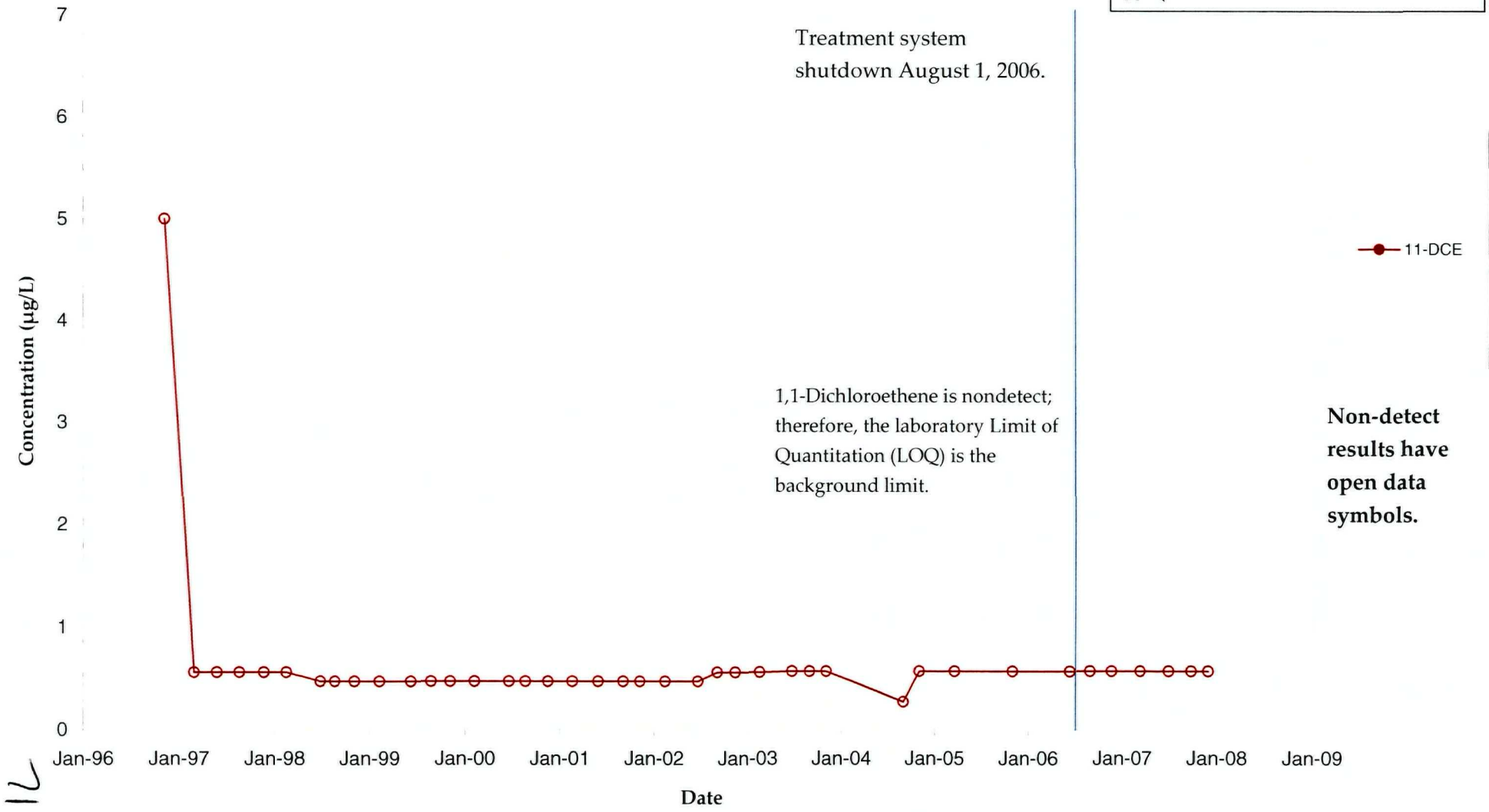
RM-203I
VOC Concentration Trends
Lemberger Landfill





Non-detect results have open data symbols.

12

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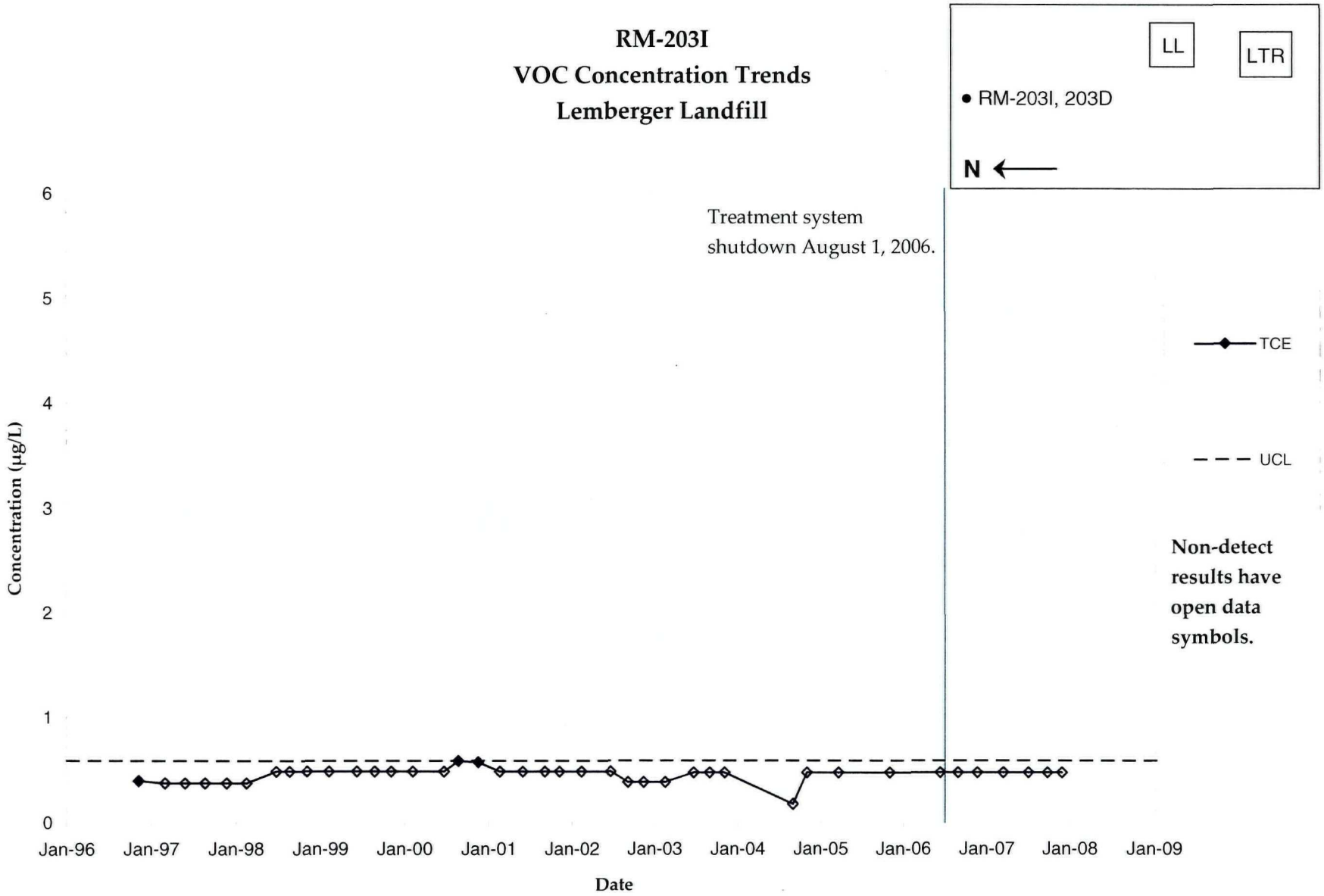
RM-203I
VOC Concentration Trends
Lemberger Landfill



72

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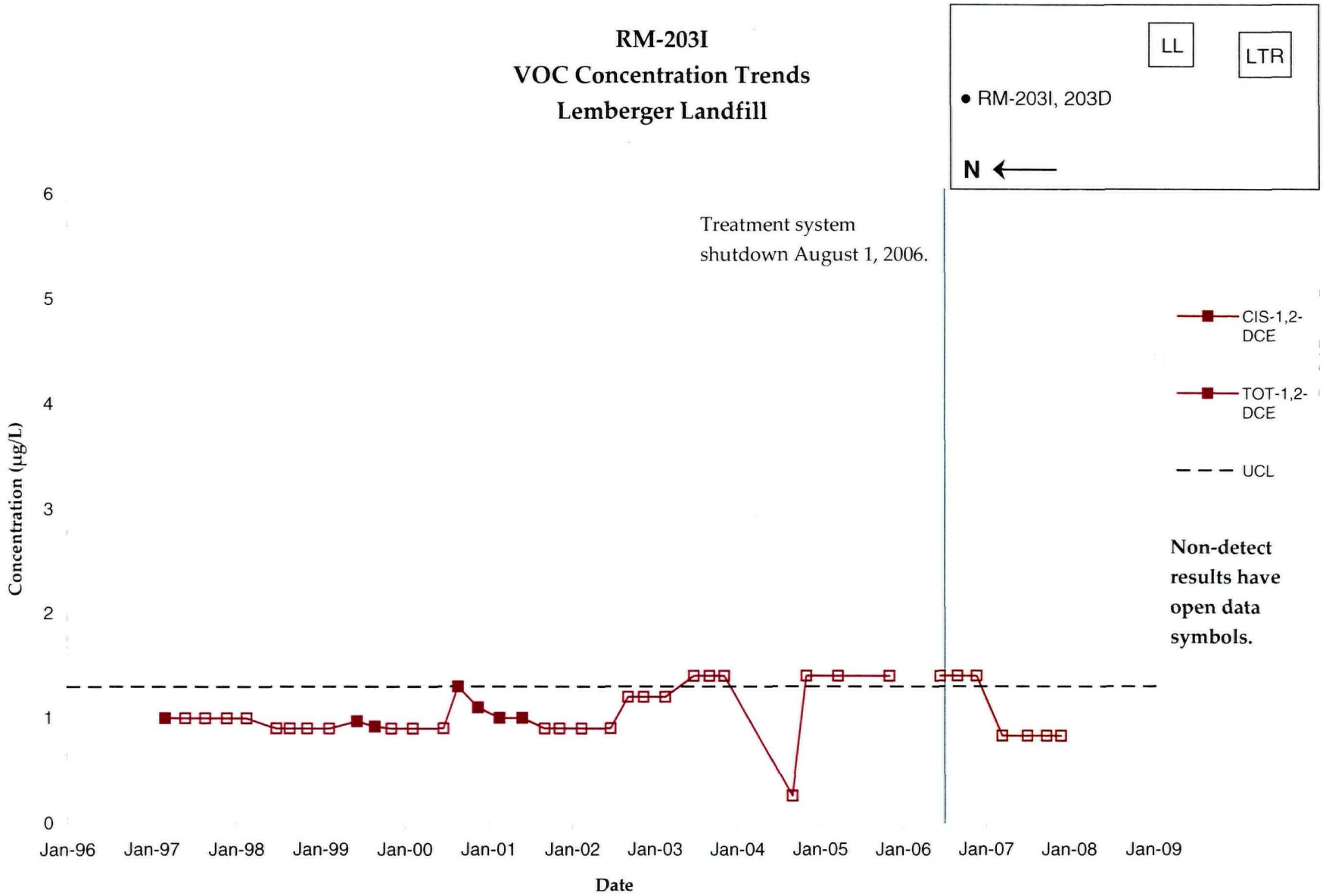
RM-203I
VOC Concentration Trends
Lemberger Landfill



73

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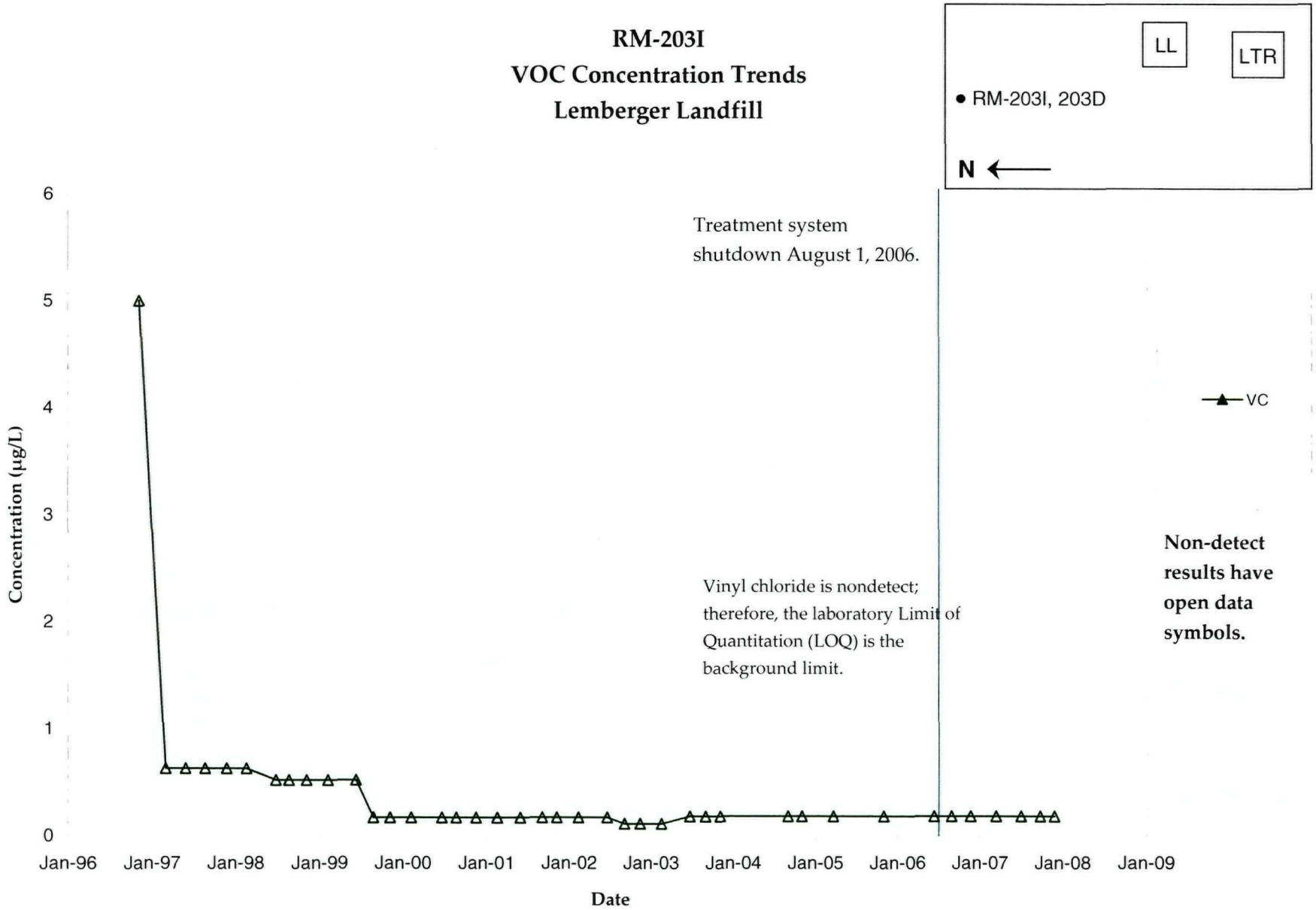
RM-203I
VOC Concentration Trends
Lemberger Landfill



74

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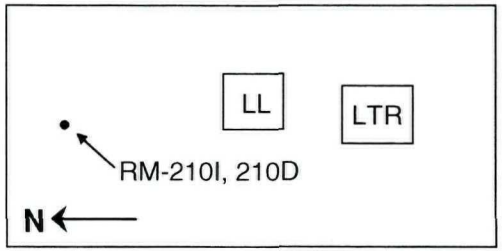
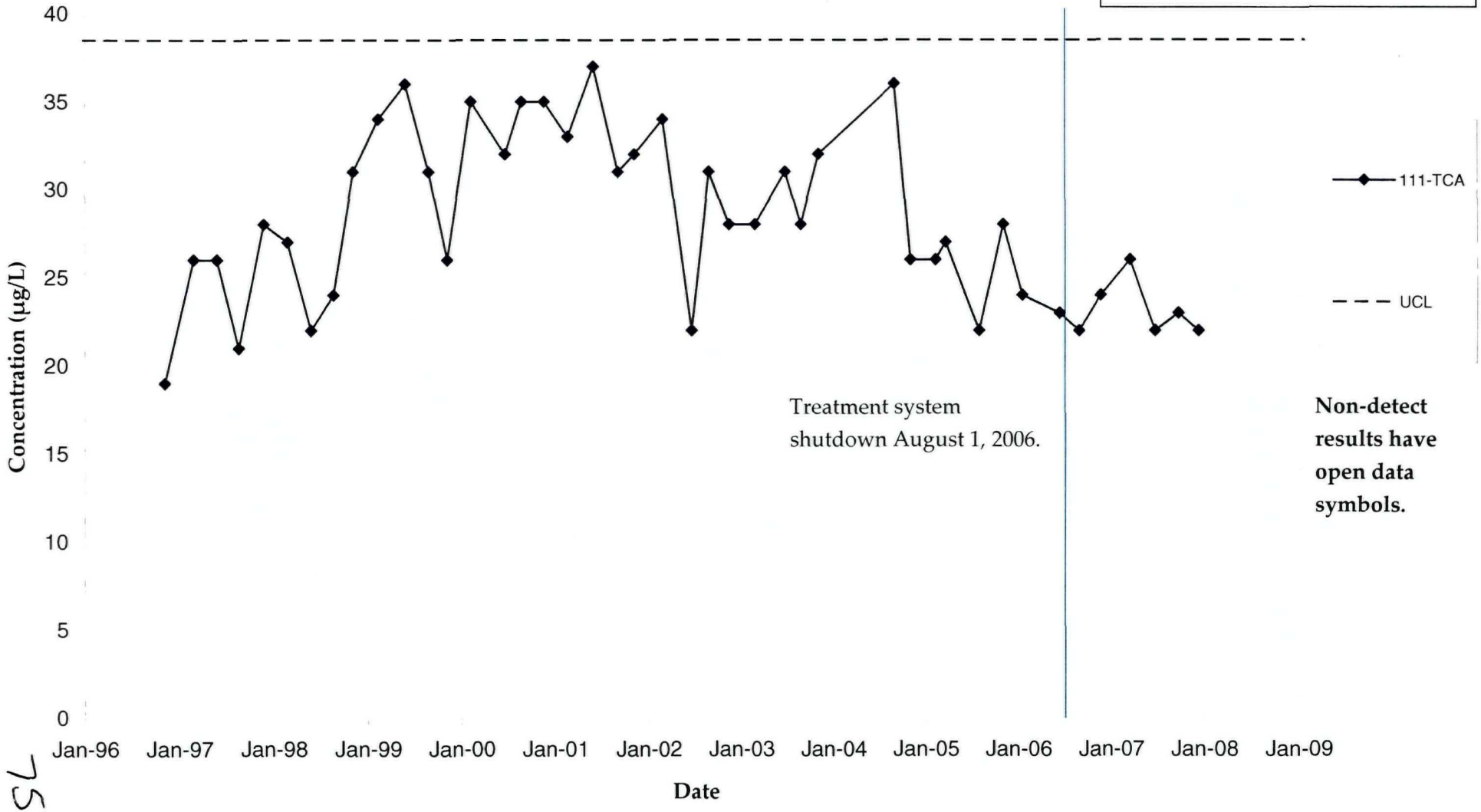
RM-210D
VOC Concentration Trends
Lemberger Landfill





Non-detect results have open data symbols.

75

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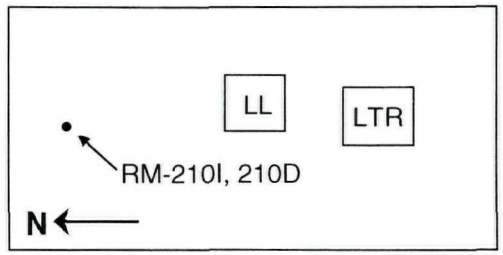
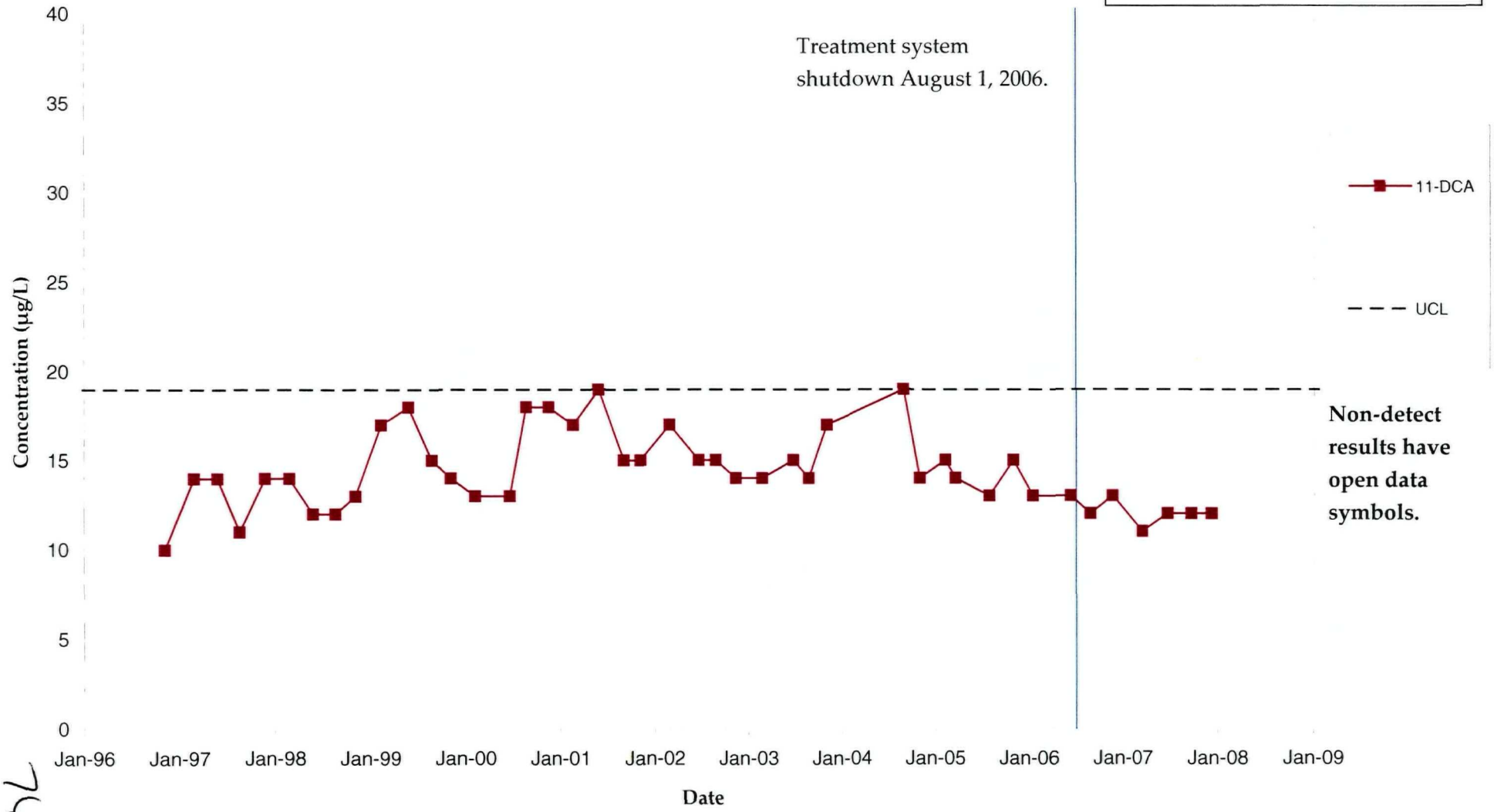
RM-210D
VOC Concentration Trends
Lemberger Landfill





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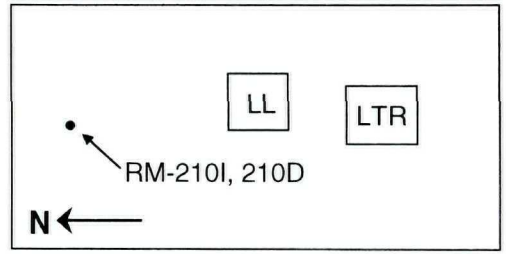
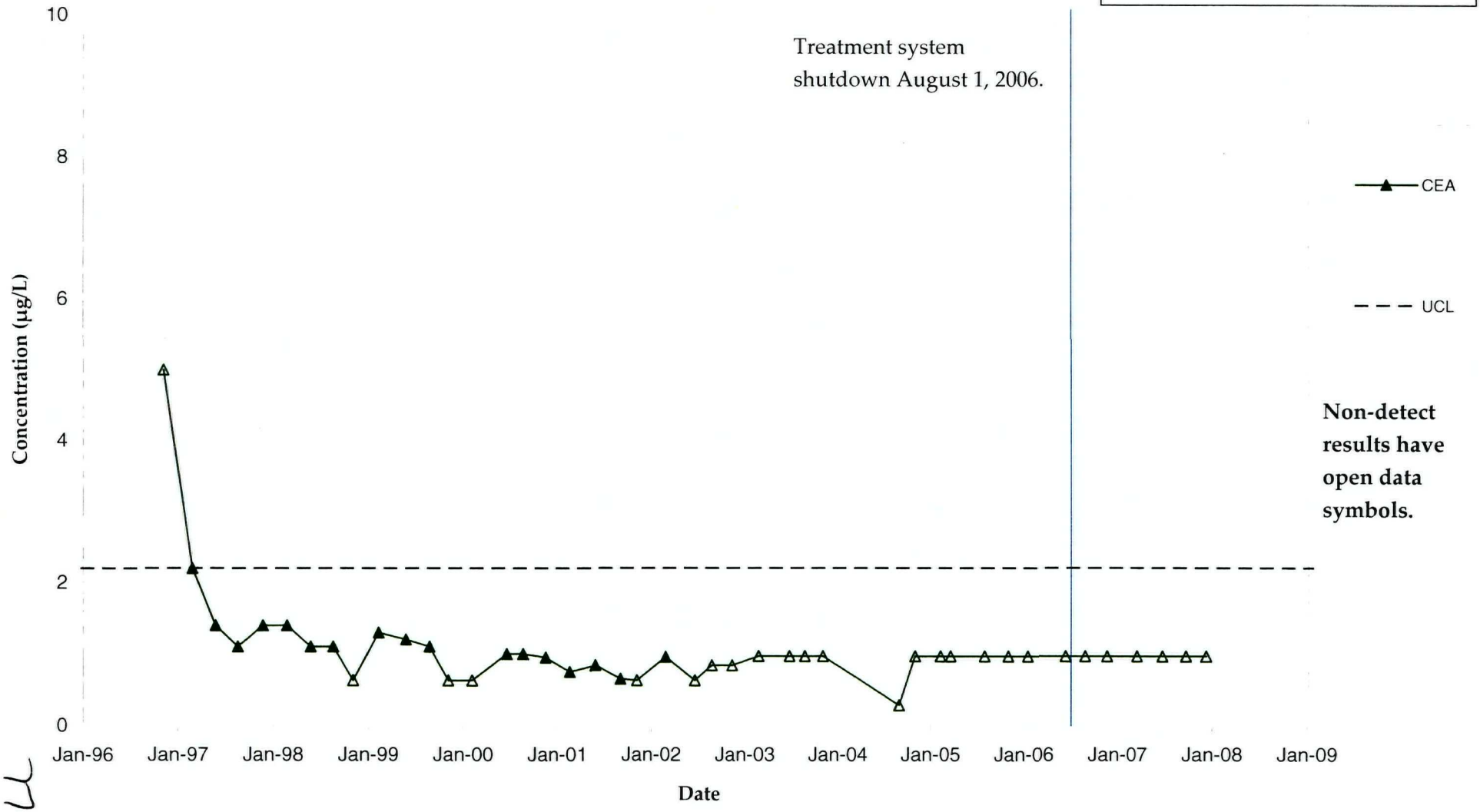
RM-210D
VOC Concentration Trends
Lemberger Landfill





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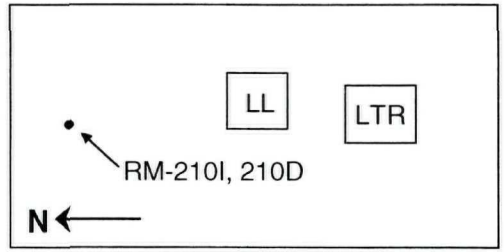
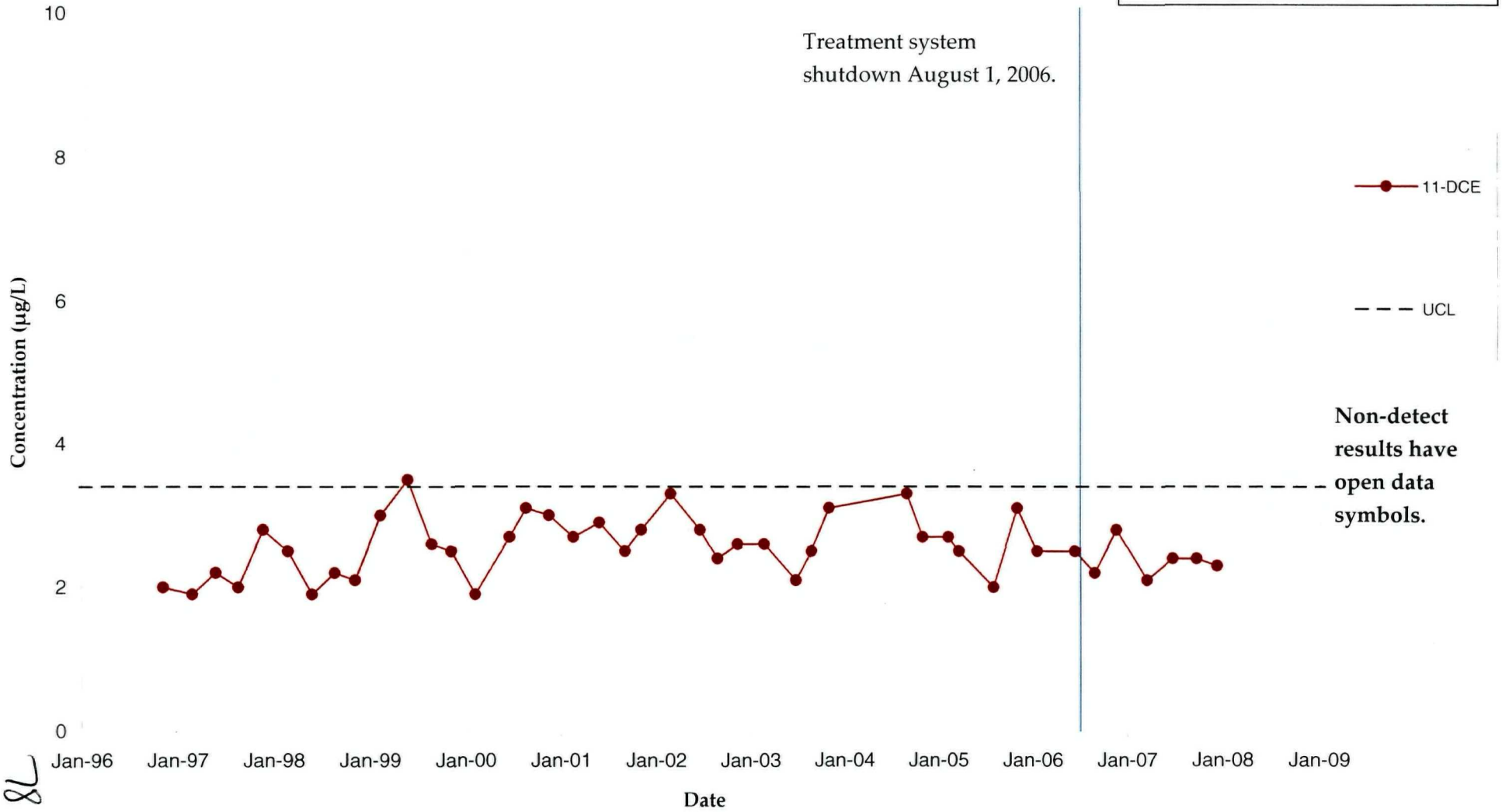
RM-210D
VOC Concentration Trends
Lemberger Landfill





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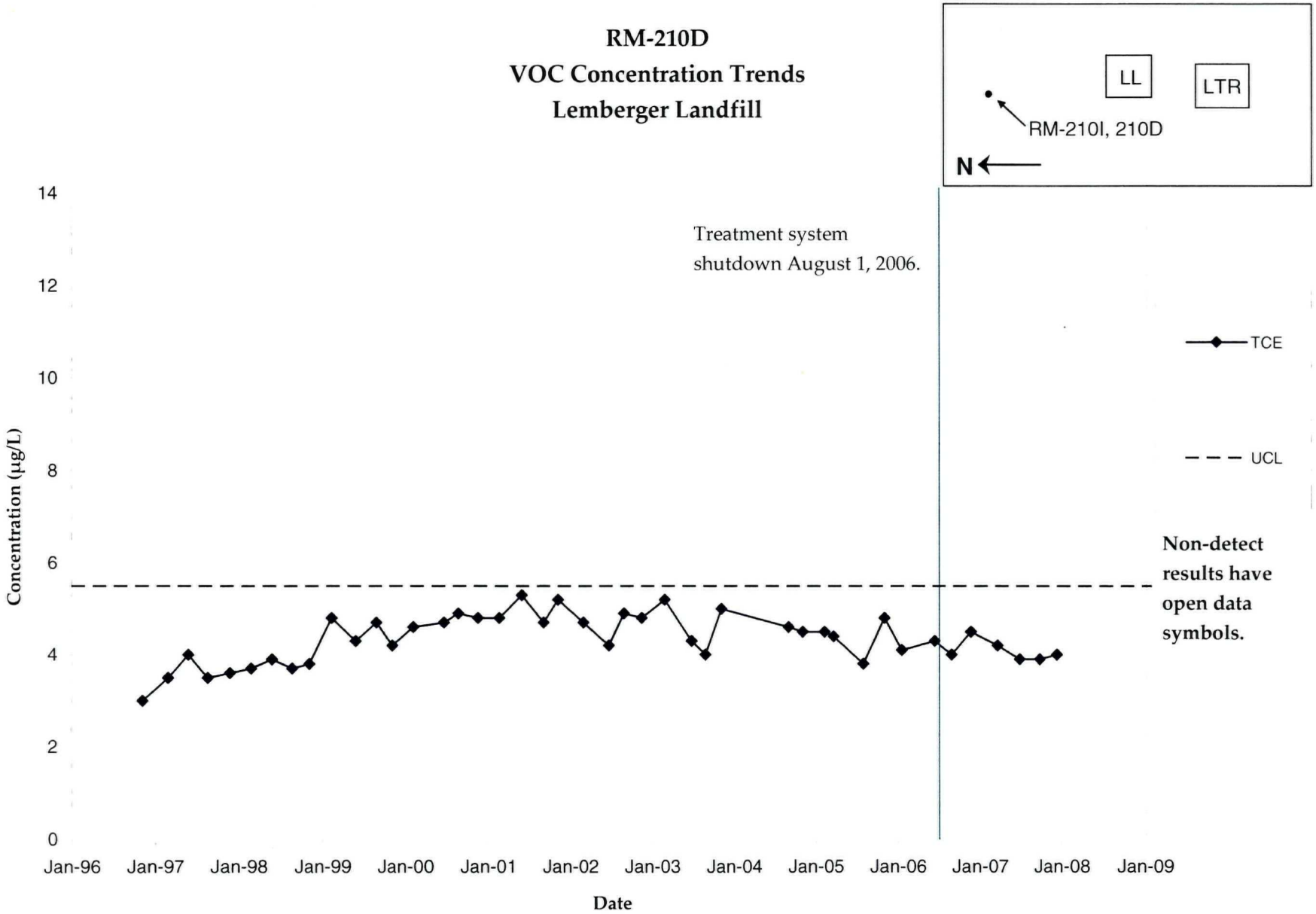
78

RM-210D
VOC Concentration Trends
Lemberger Landfill



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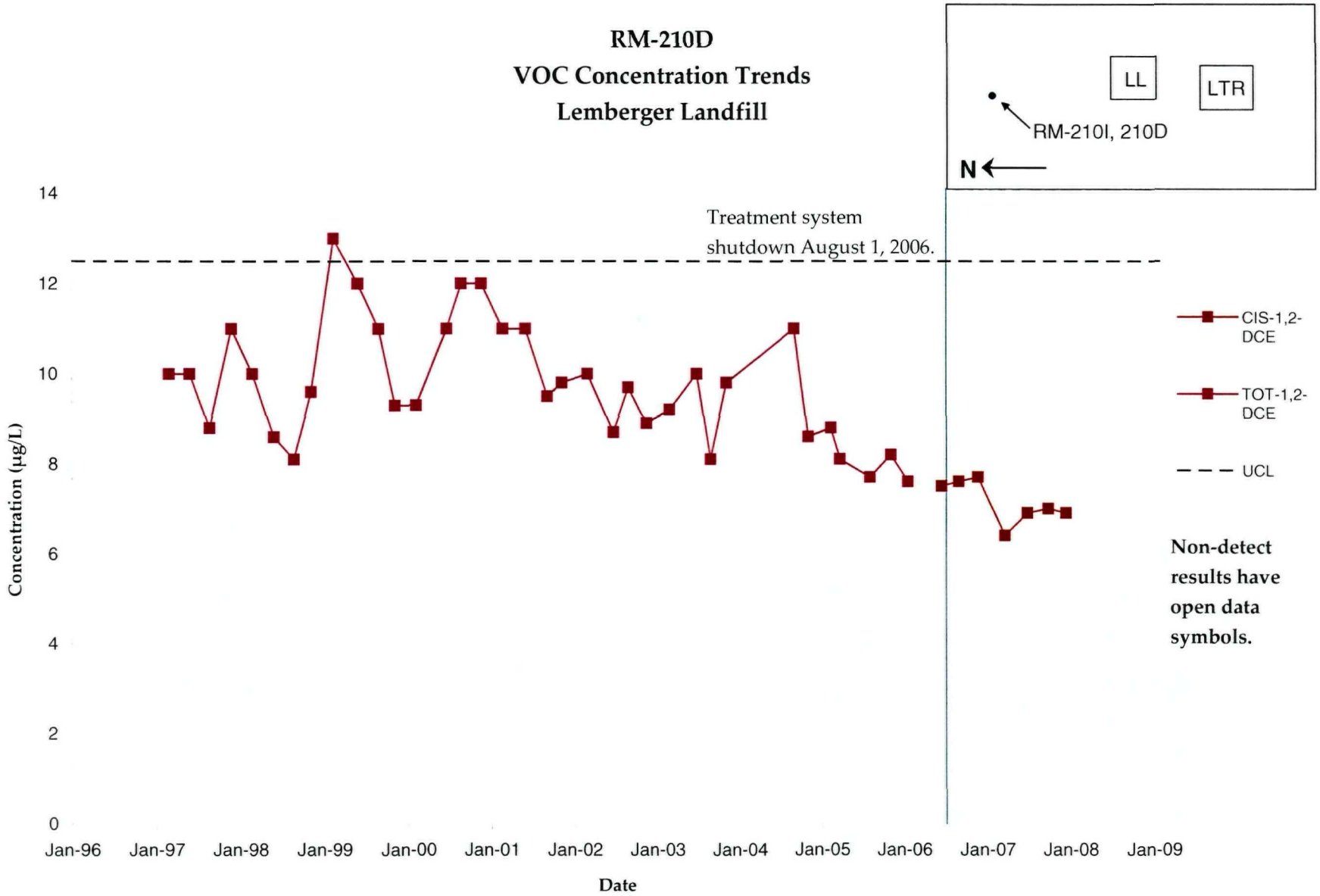

80

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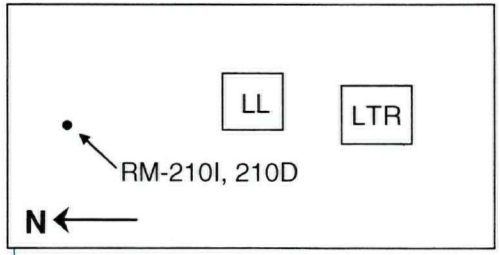
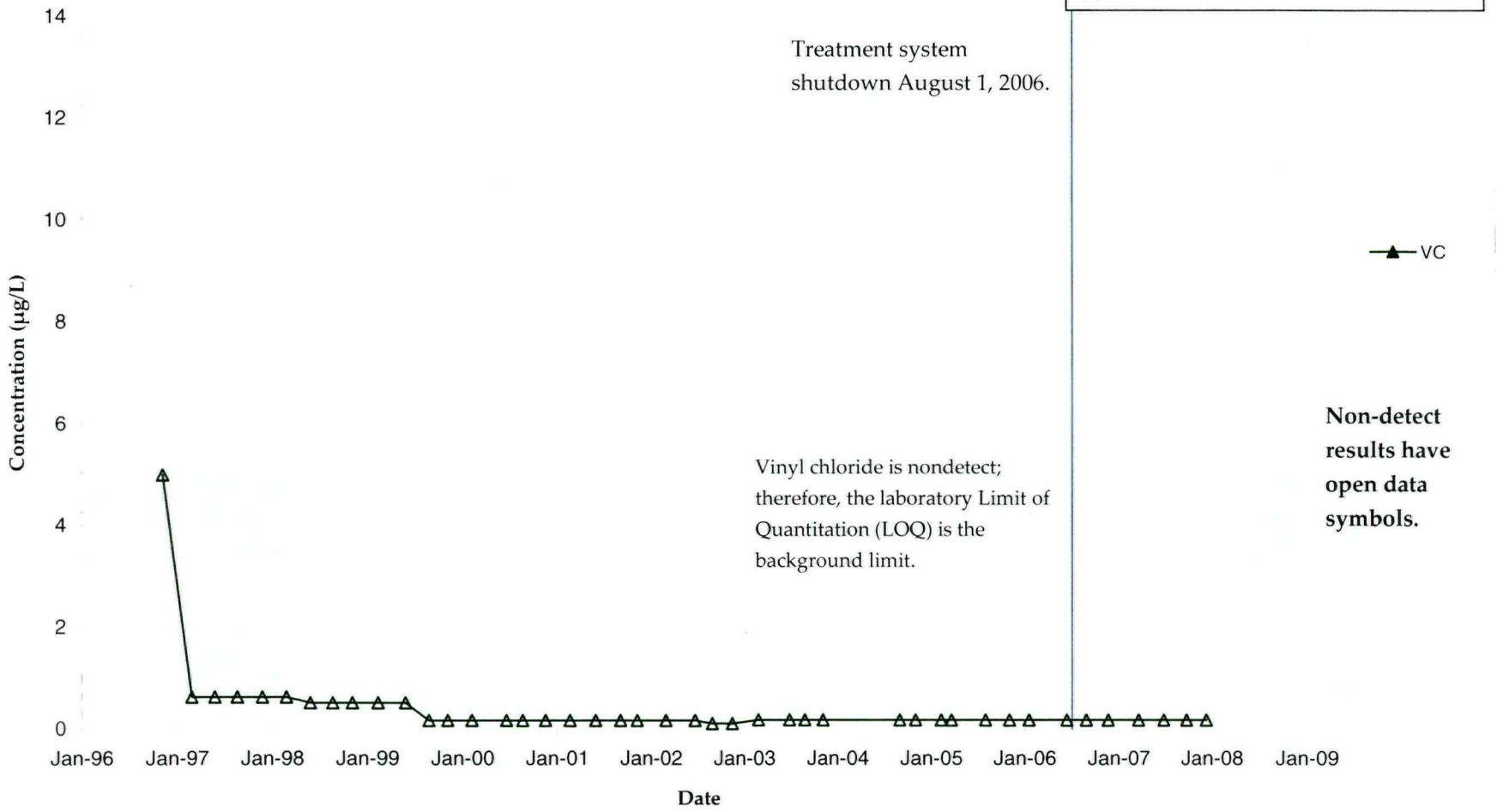
RM-210D
VOC Concentration Trends
Lemberger Landfill





Non-detect results have open data symbols.

18

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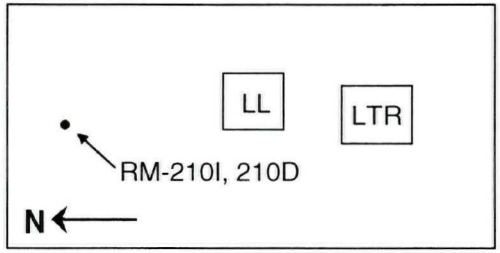
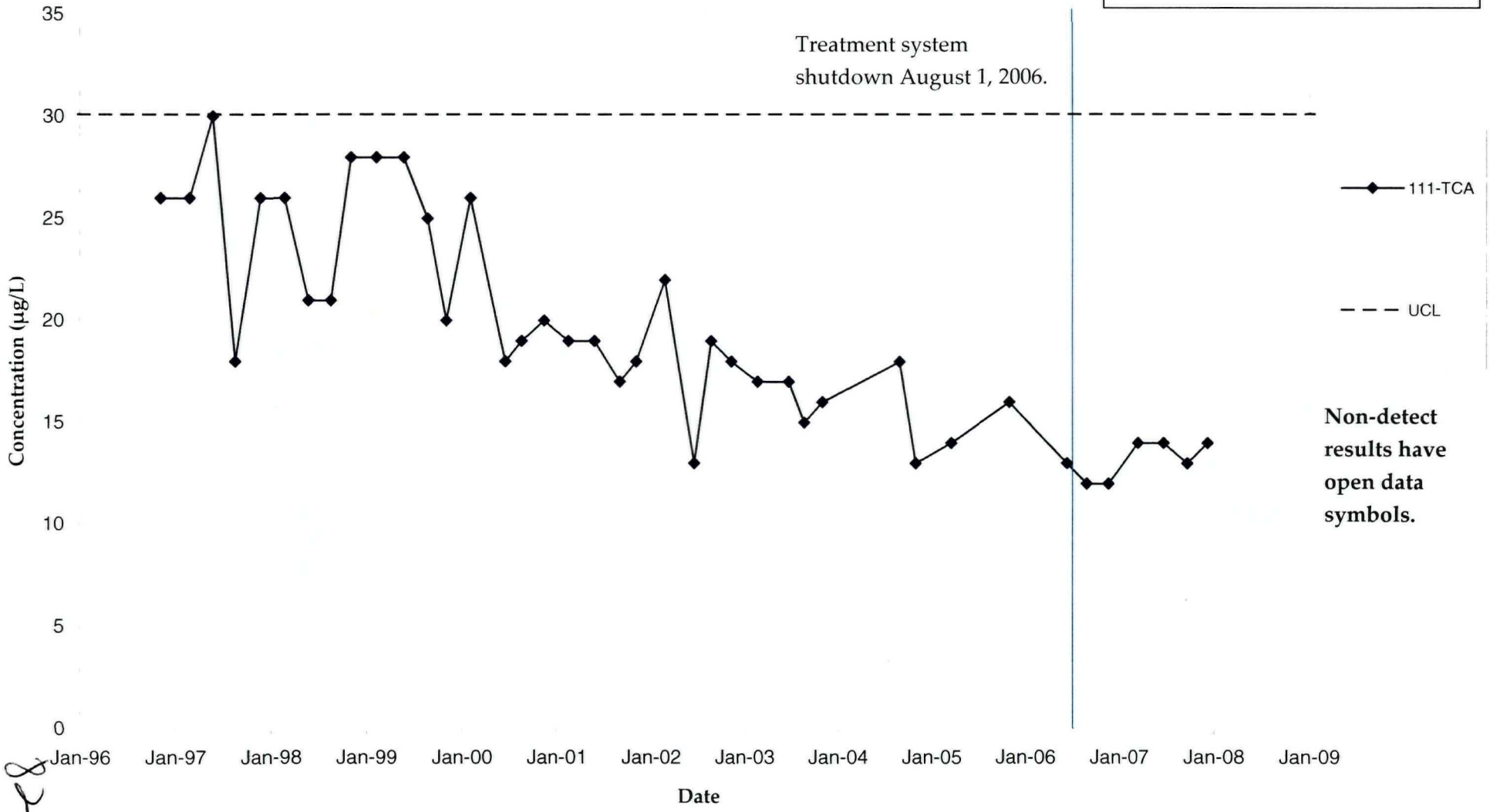
RM-210I
VOC Concentration Trends
Lemberger Landfill





Non-detect results have open data symbols.

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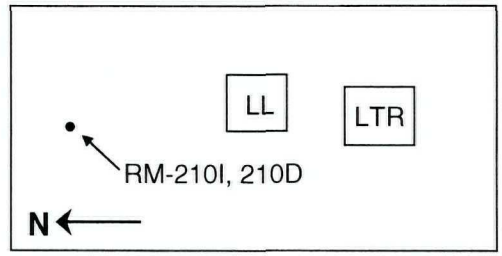
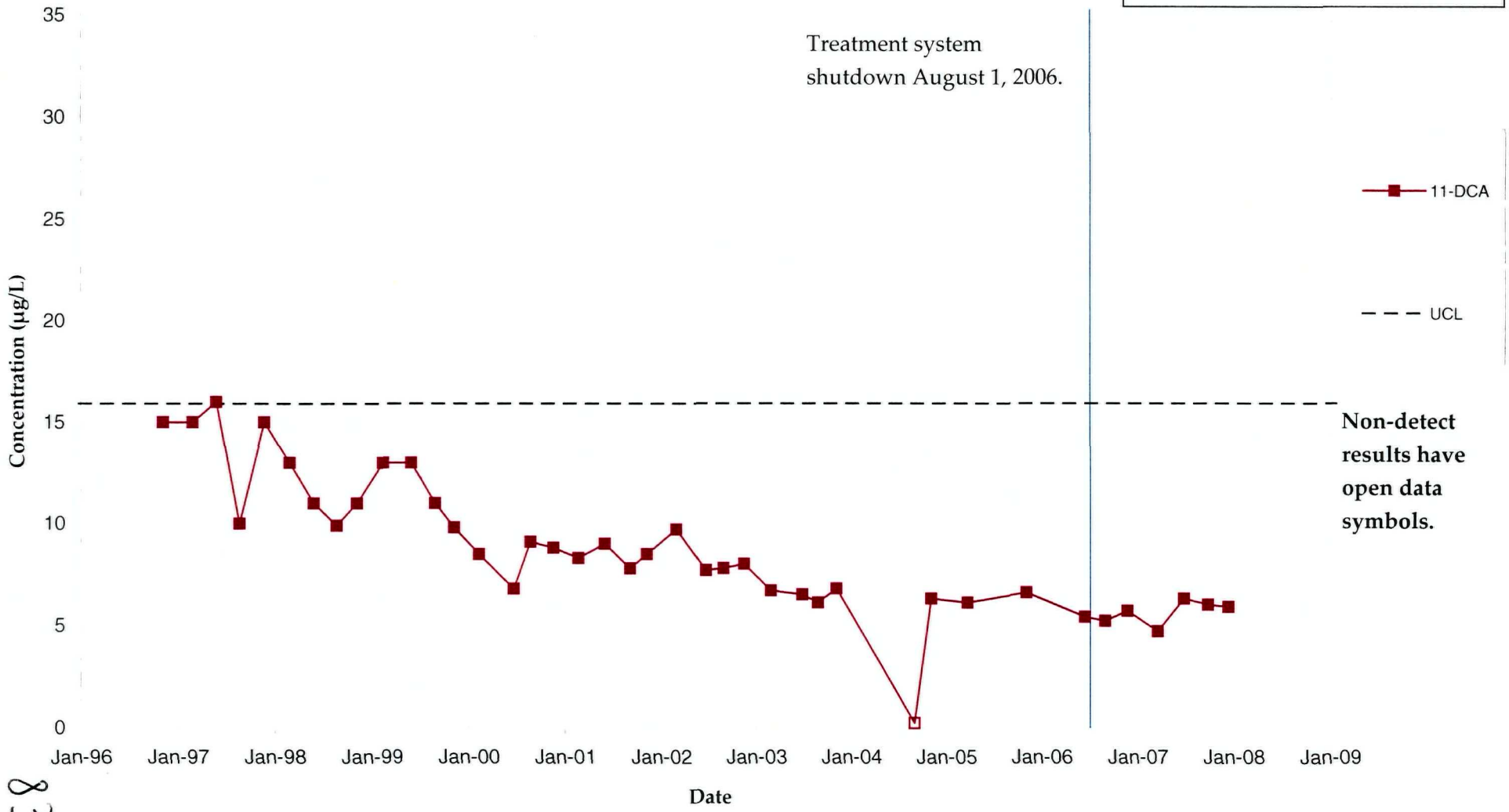
RM-210I
VOC Concentration Trends
Lemberger Landfill





83

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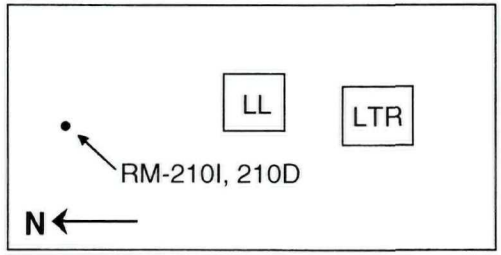
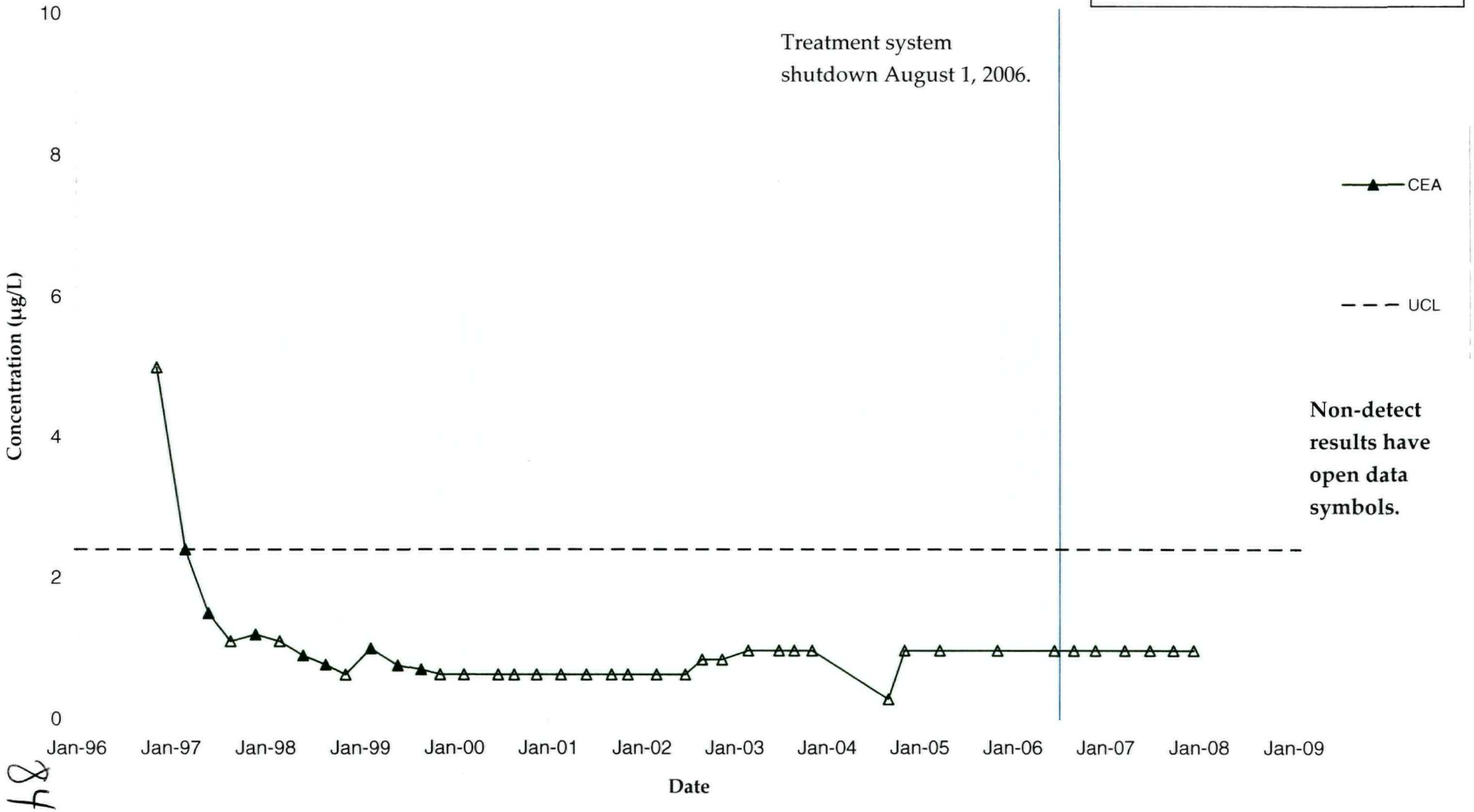
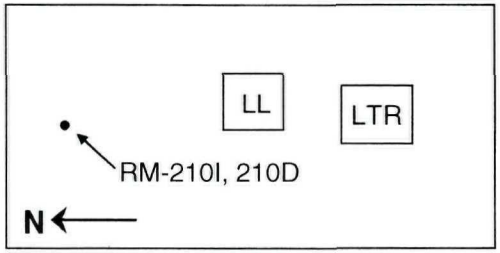
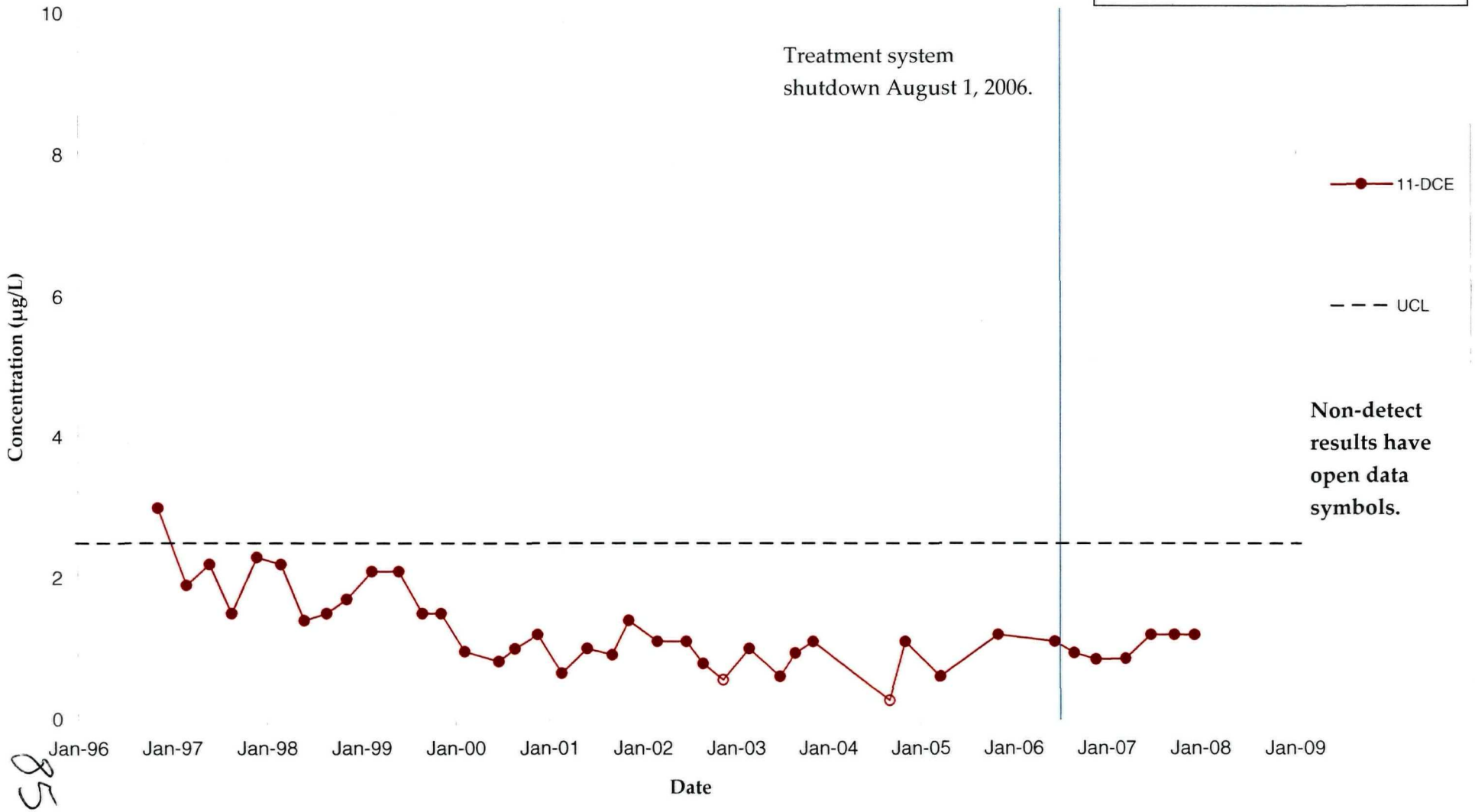
RM-210I
VOC Concentration Trends
Lemberger Landfill





RM-210I
VOC Concentration Trends
Lemberger Landfill





Non-detect results have open data symbols.

85

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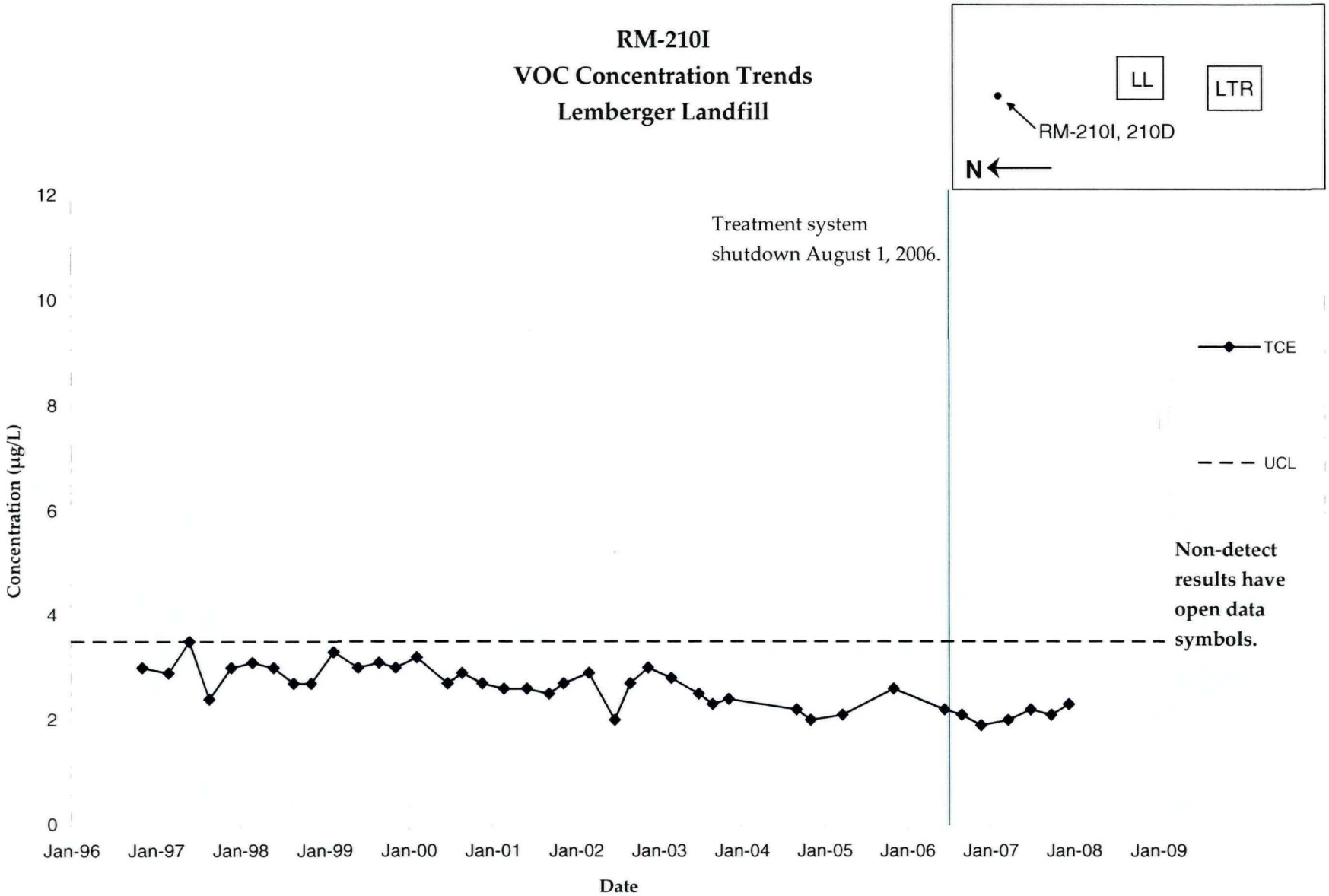
RM-210I
VOC Concentration Trends
Lemberger Landfill



86

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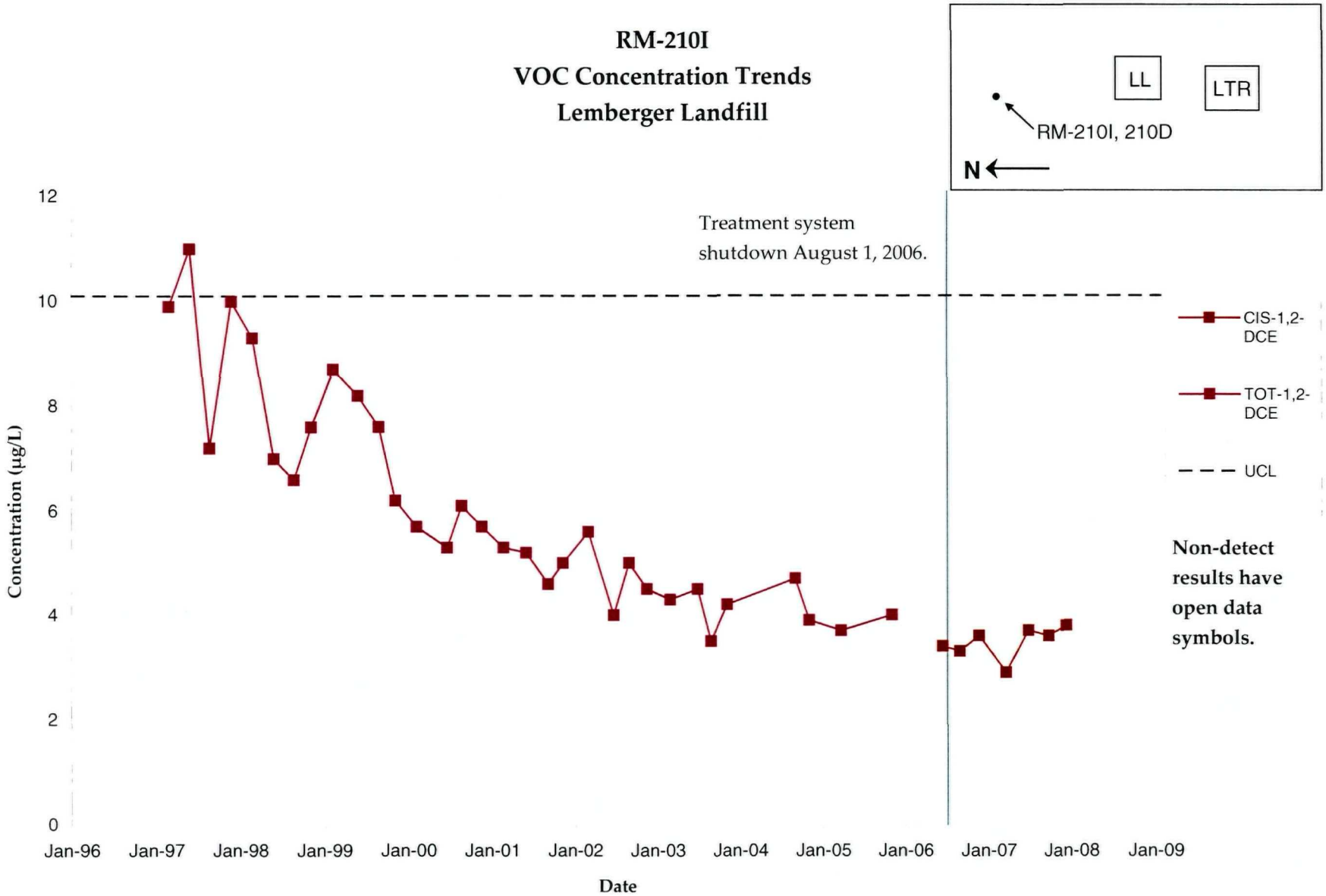

87

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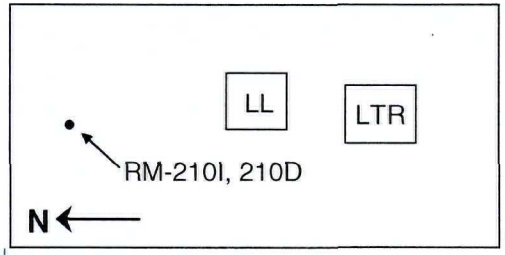
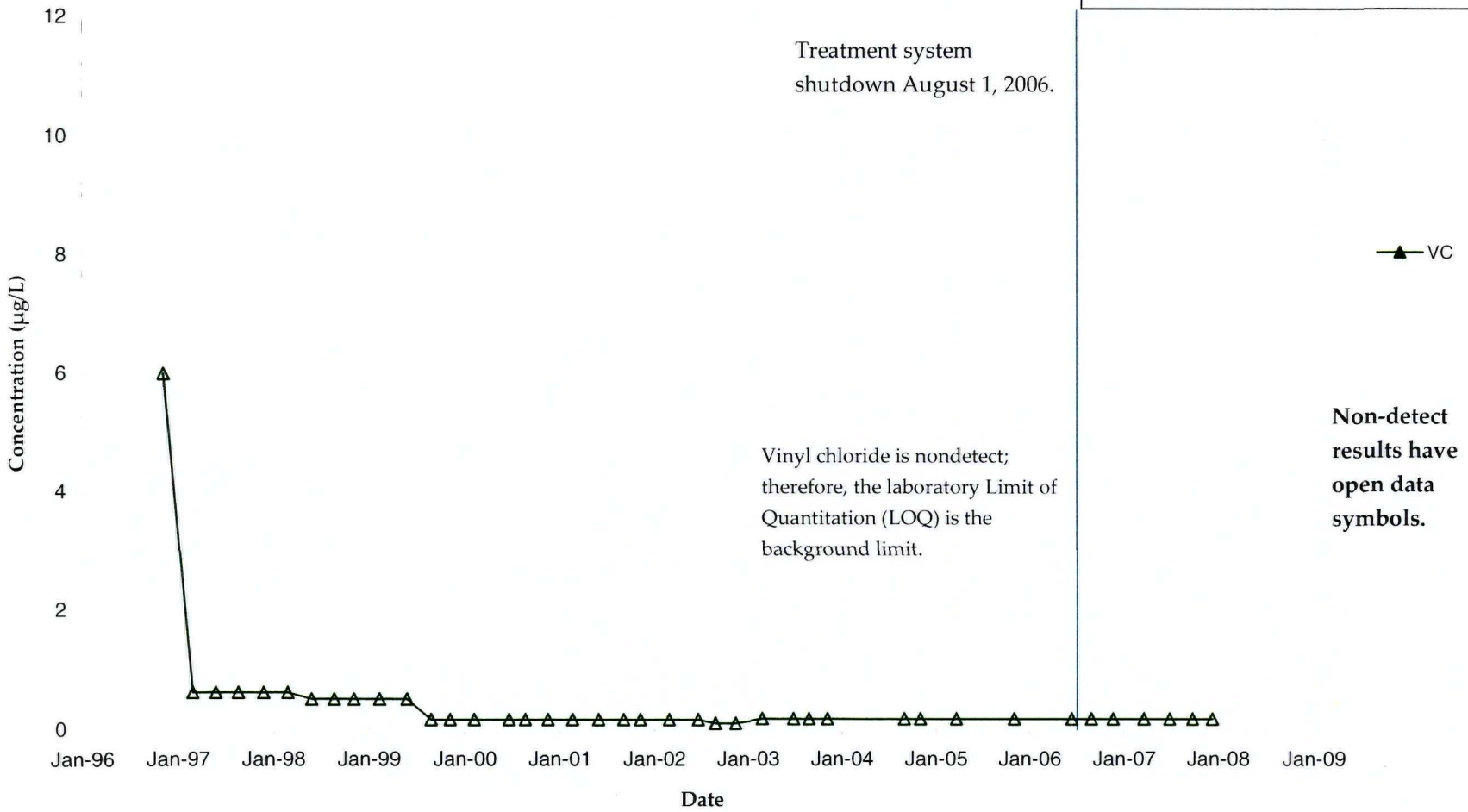
RM-210I
VOC Concentration Trends
Lemberger Landfill





Non-detect results have open data symbols.

88

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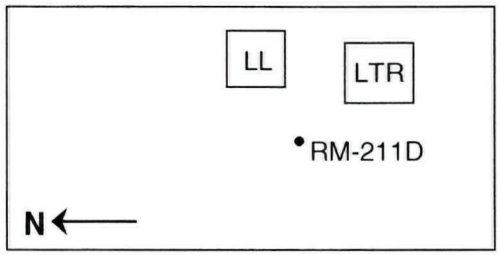
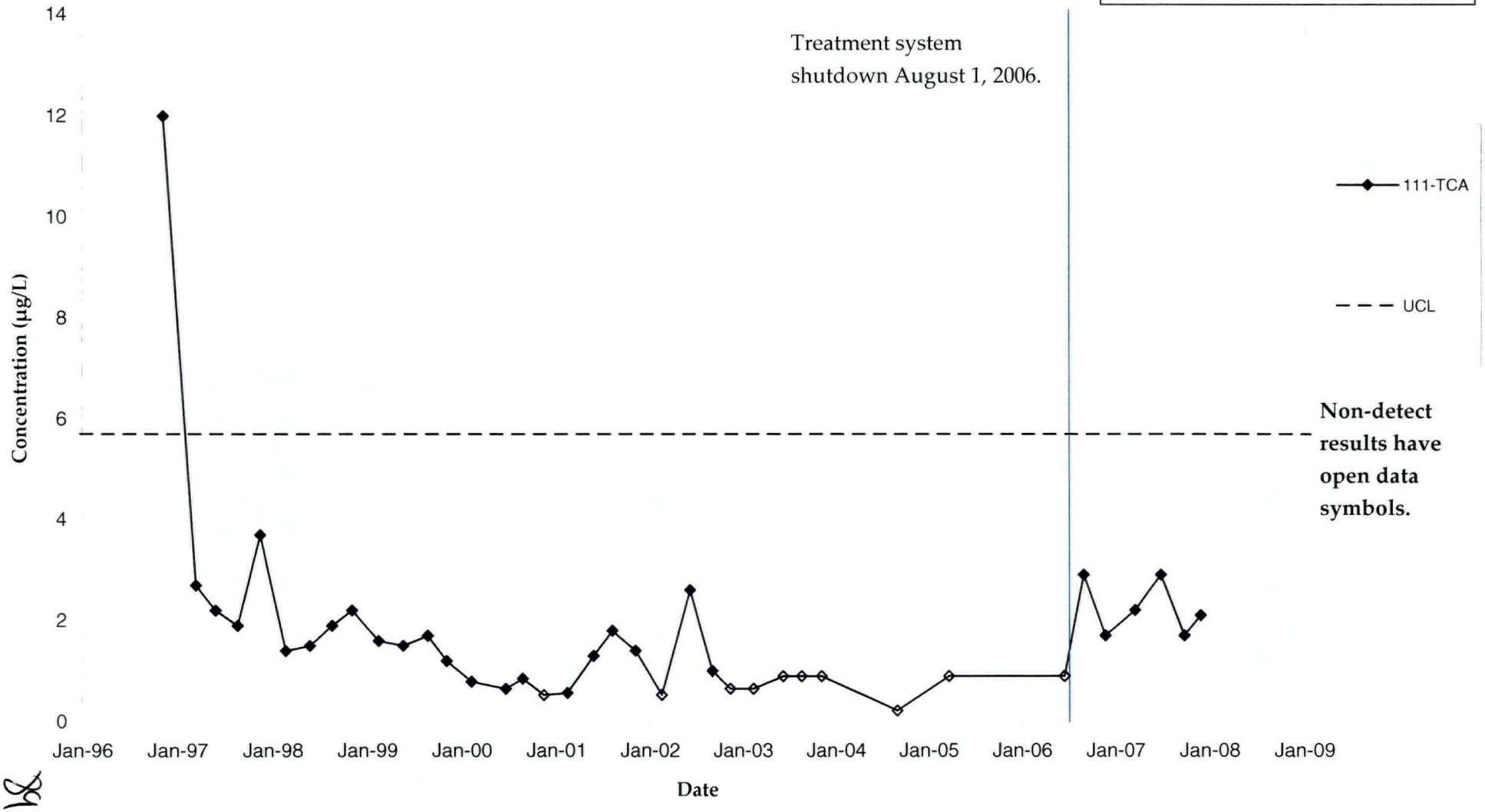
RM-211D
VOC Concentration Trends
Lemberger Landfill





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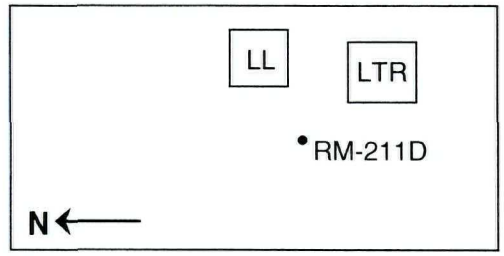
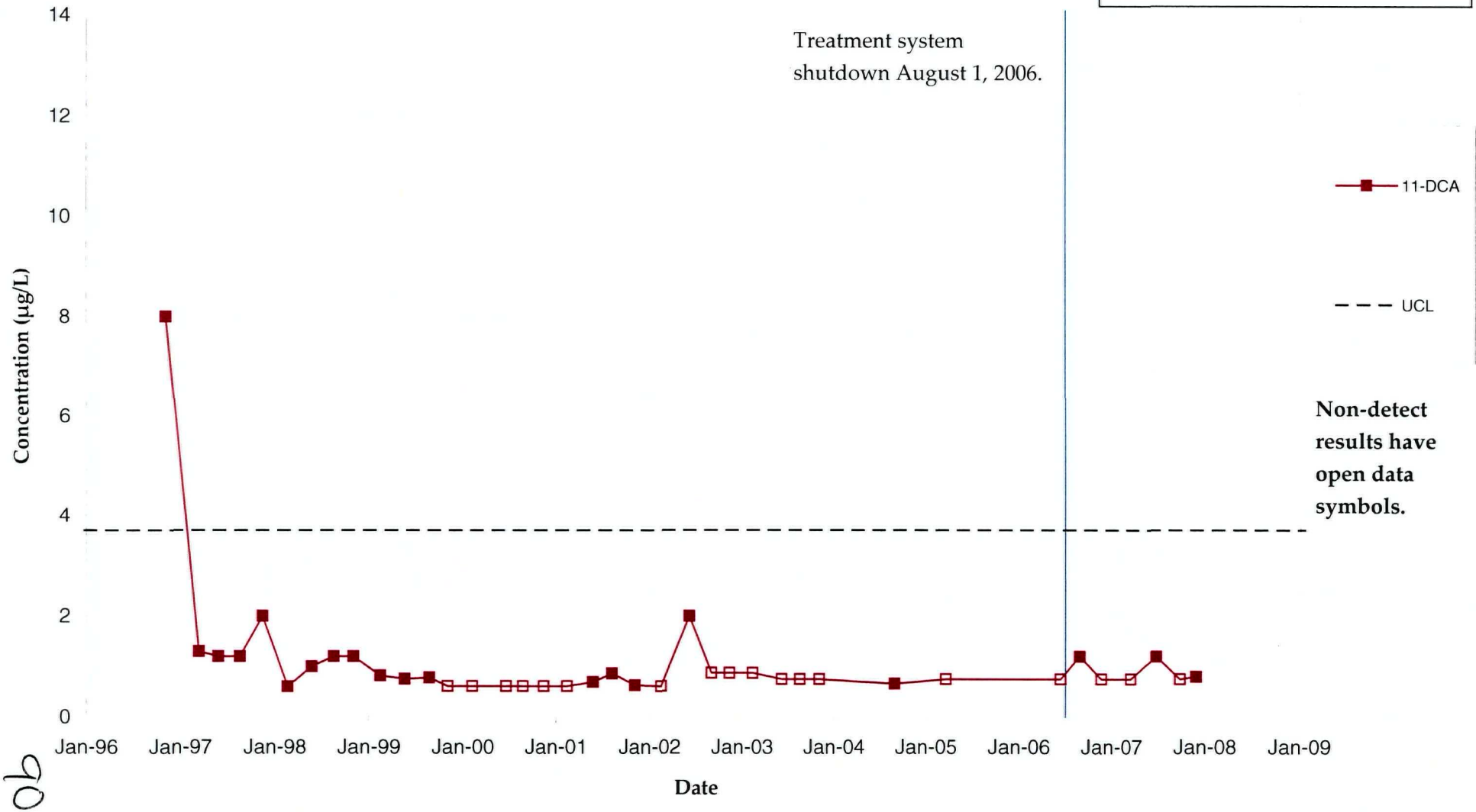
RM-211D
VOC Concentration Trends
Lemberger Landfill





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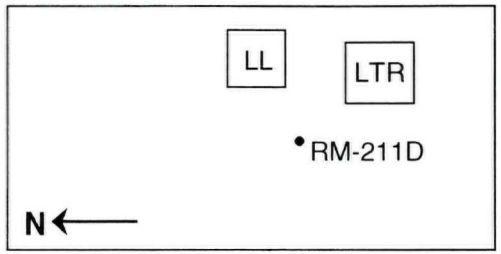
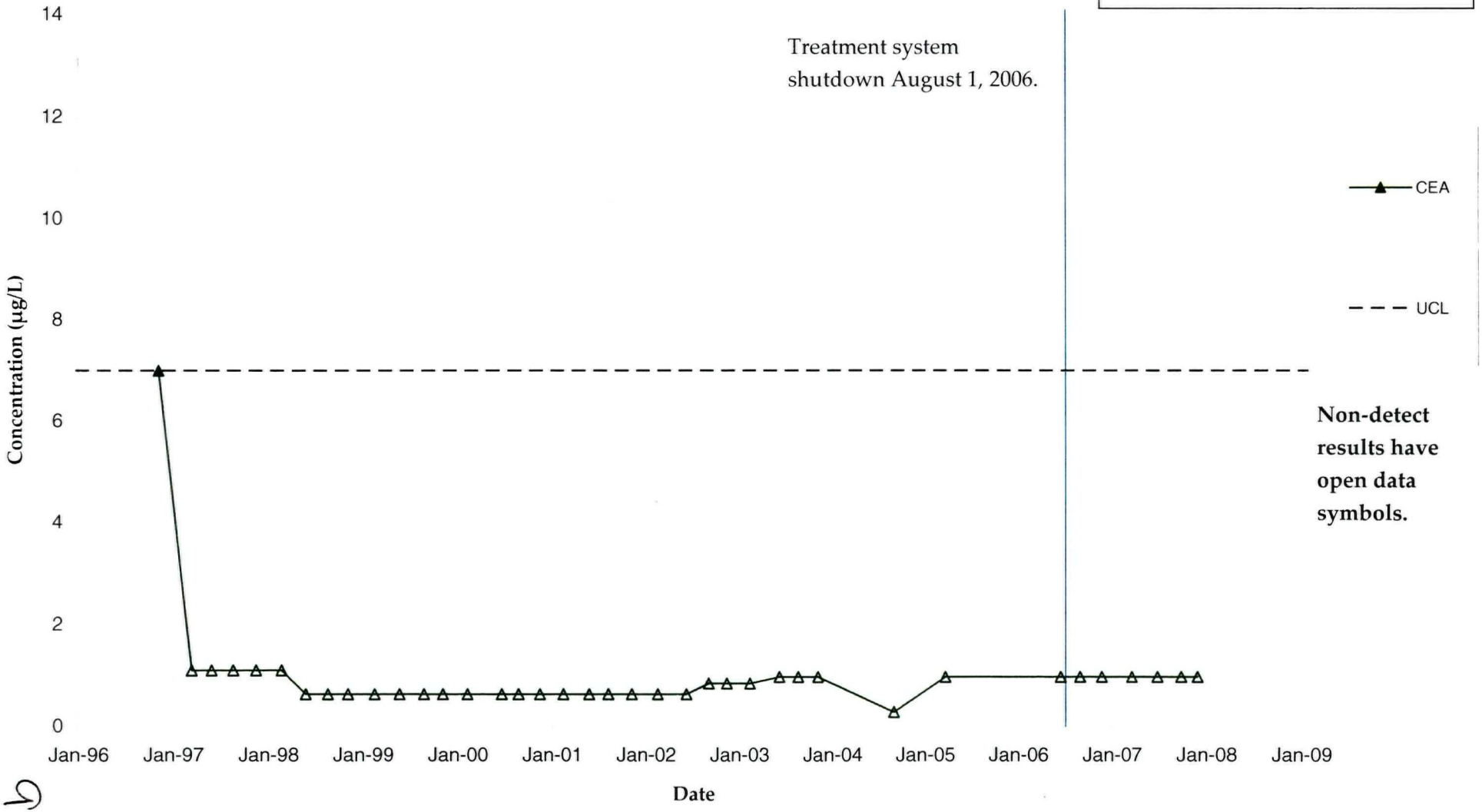
RM-211D
VOC Concentration Trends
Lemberger Landfill





Non-detect results have open data symbols.

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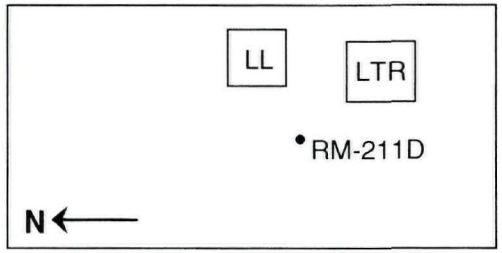
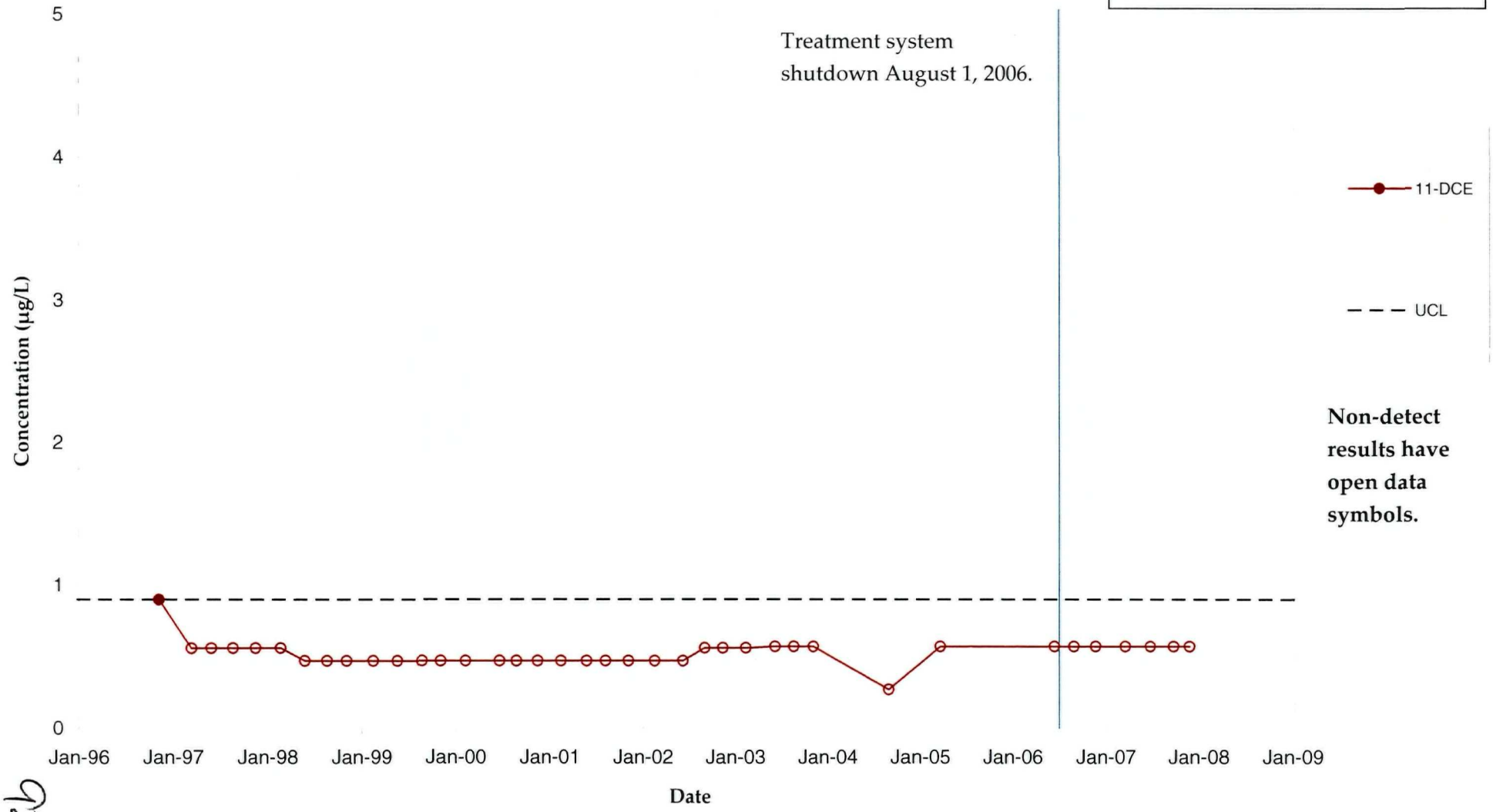
RM-211D
VOC Concentration Trends
Lemberger Landfill





Non-detect results have open data symbols.

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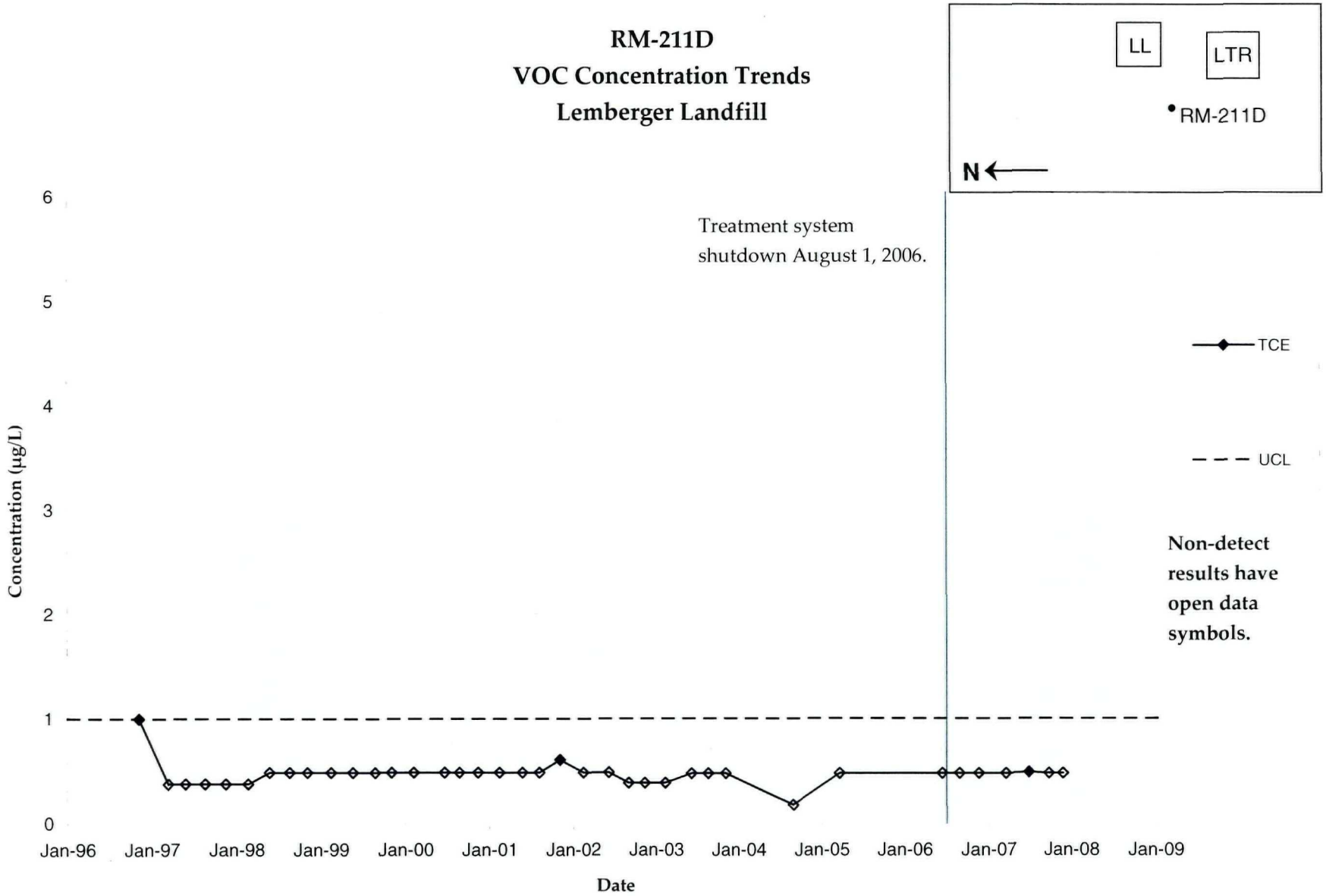
RM-211D
VOC Concentration Trends
Lemberger Landfill



93

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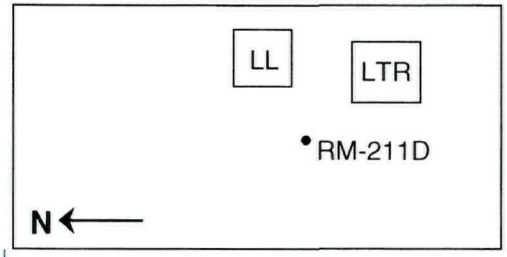
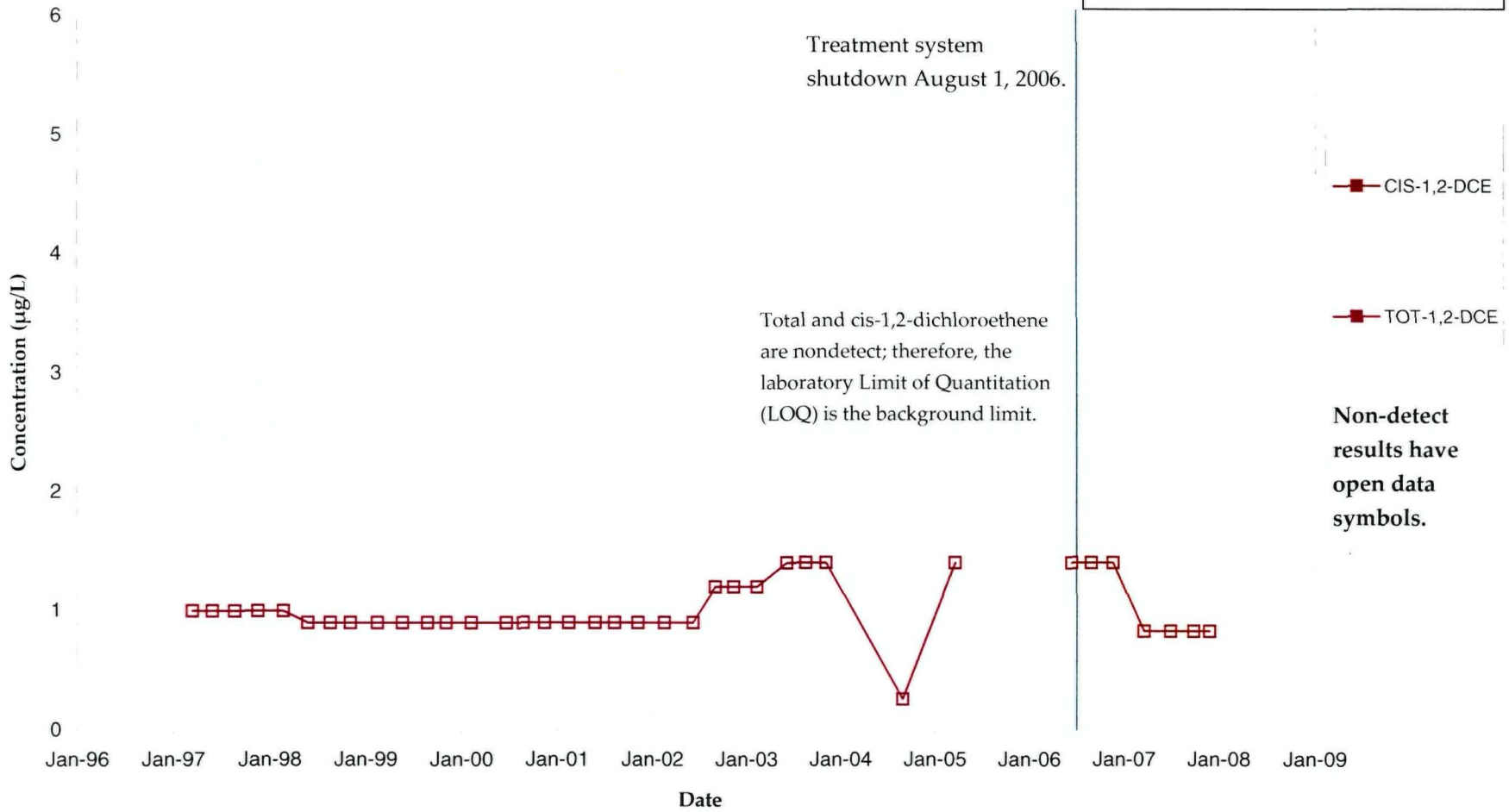
RM-211D
VOC Concentration Trends
Lemberger Landfill





94

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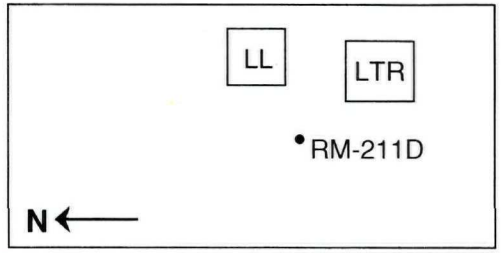
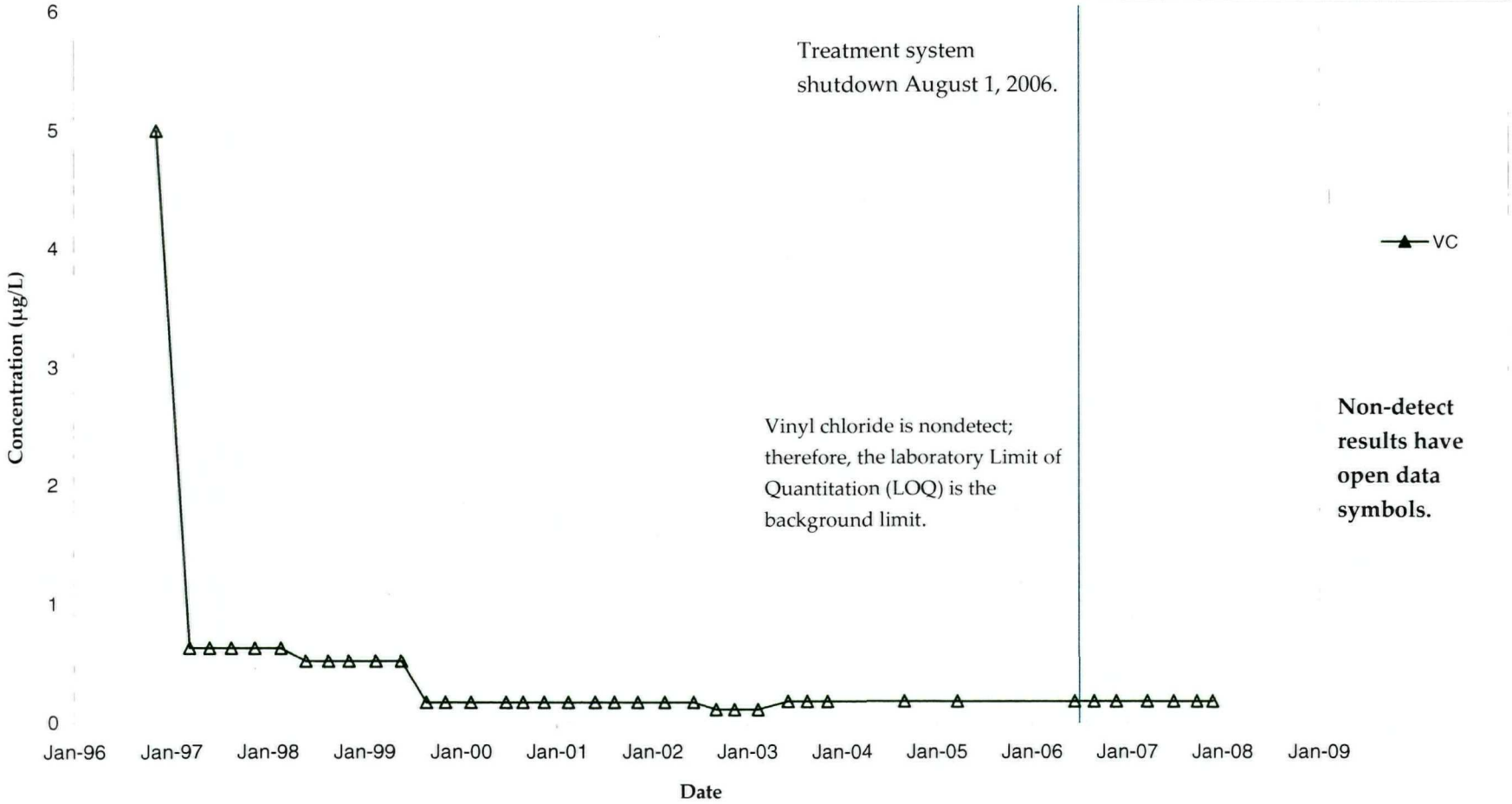
RM-211D
VOC Concentration Trends
Lemberger Landfill





qs

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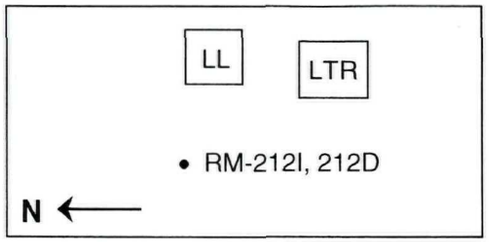
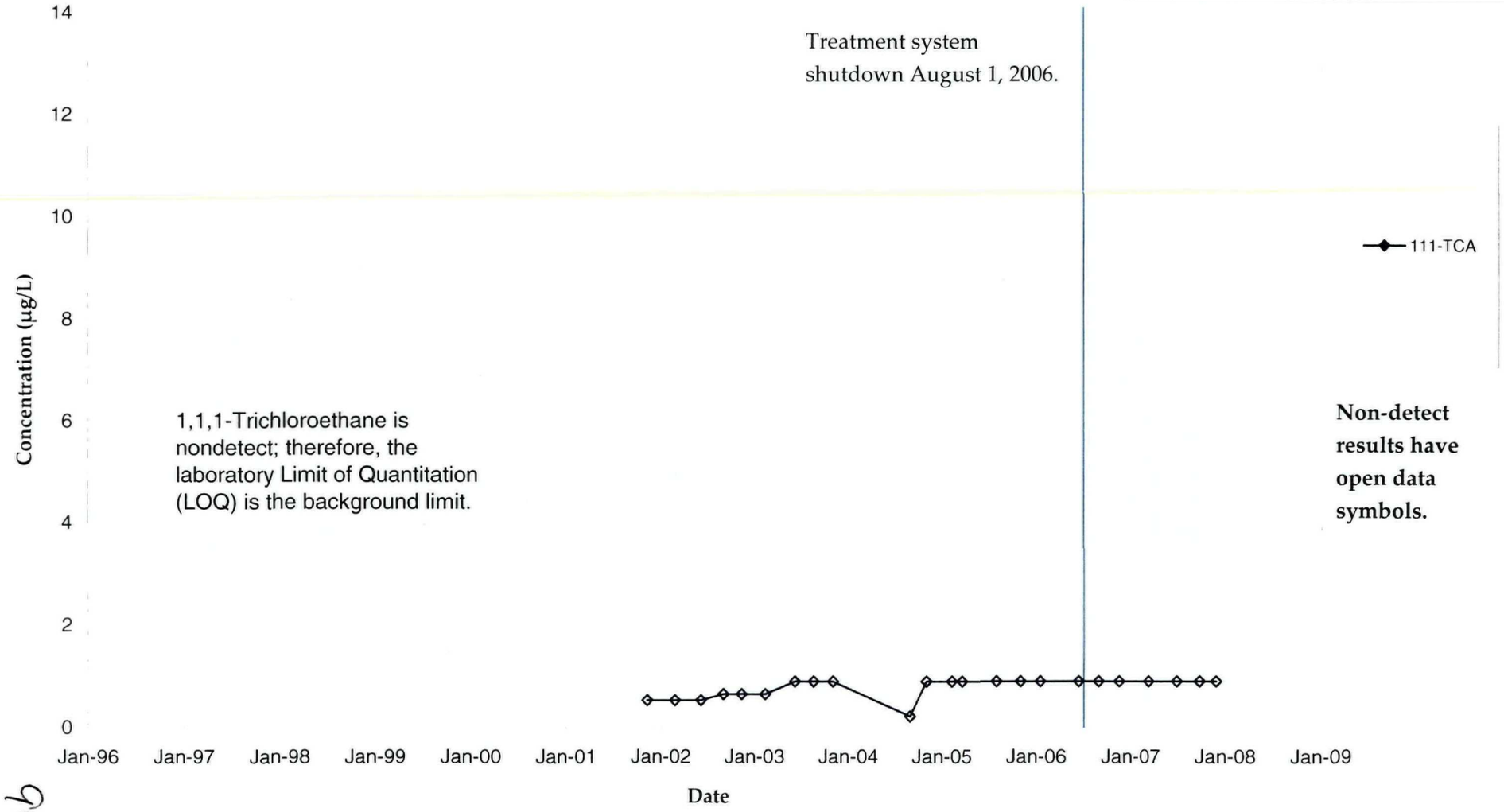
RM-212D
VOC Concentration Trends
Lemberger Landfill





1,1,1-Trichloroethane is nondetect; therefore, the laboratory Limit of Quantitation (LOQ) is the background limit.

Non-detect results have open data symbols.

96

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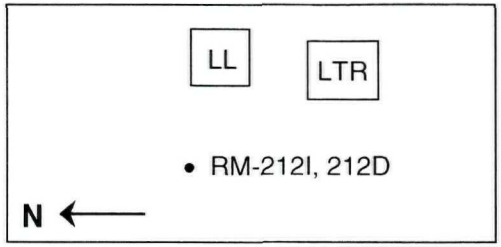
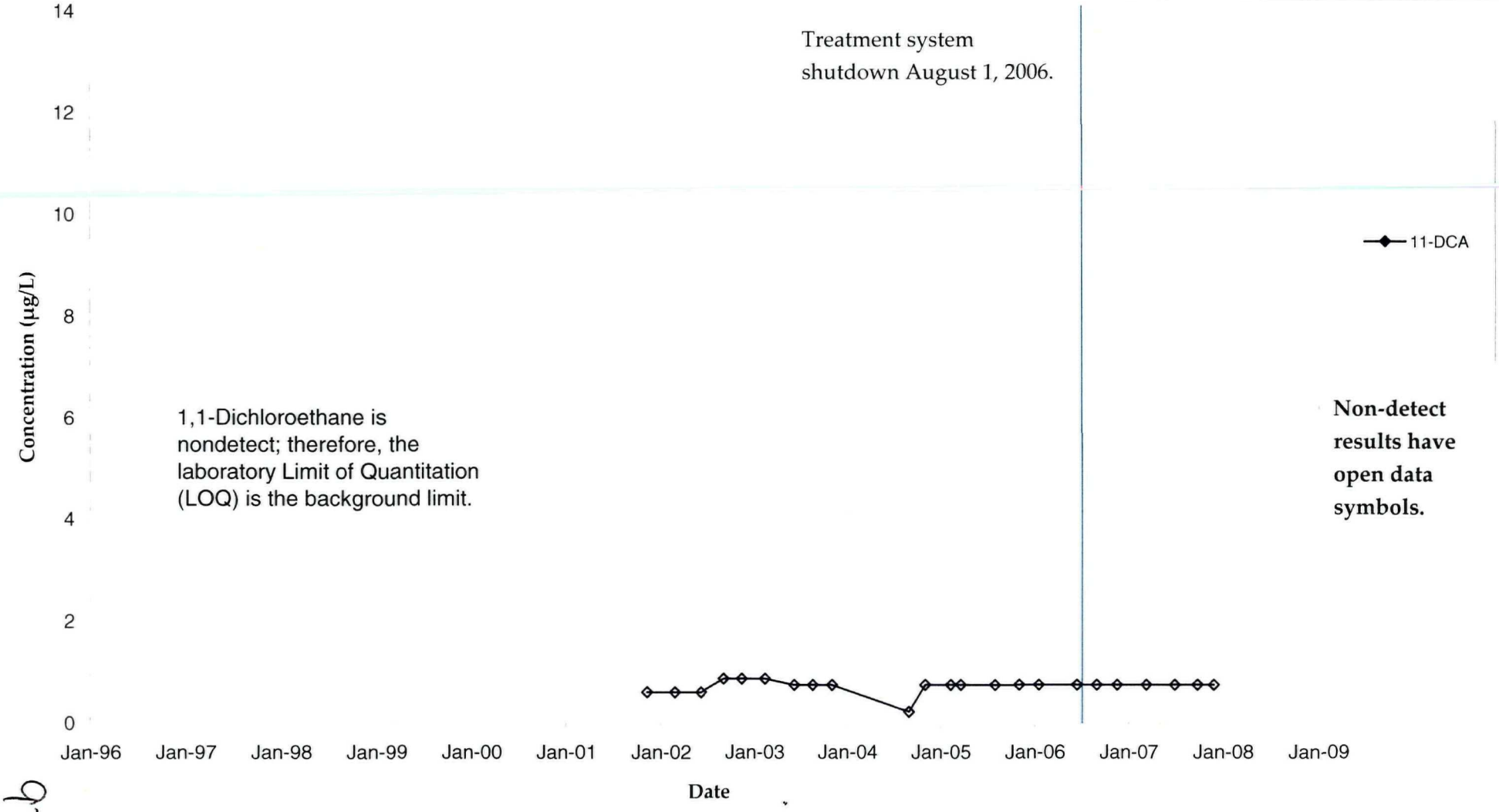
RM-212D
VOC Concentration Trends
Lemberger Landfill





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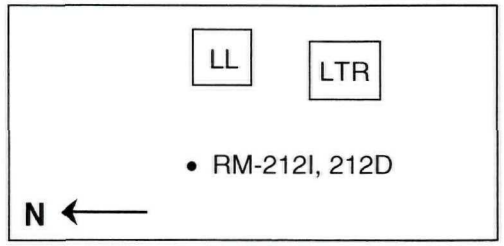
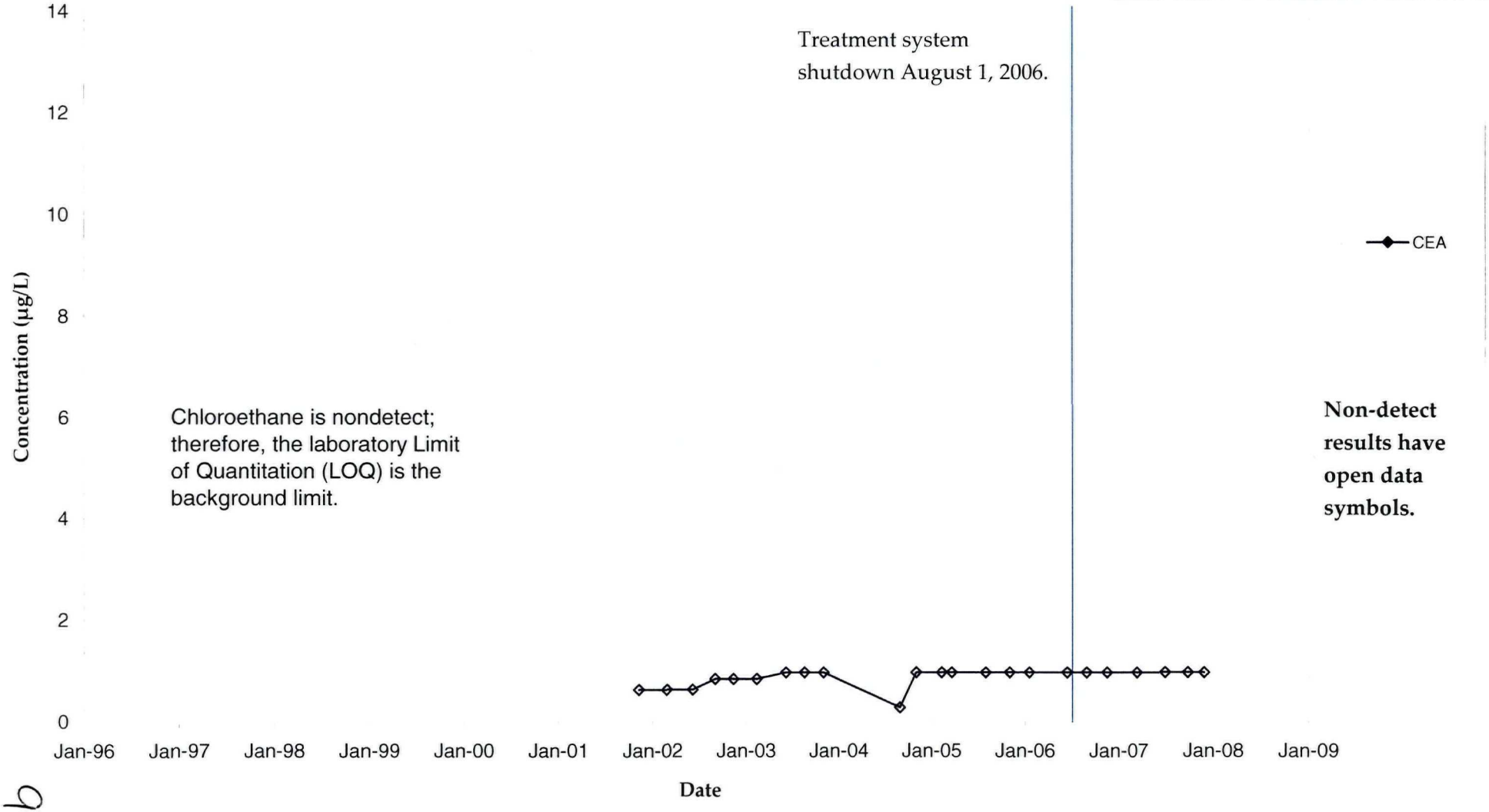
RM-212D
VOC Concentration Trends
Lemberger Landfill





28

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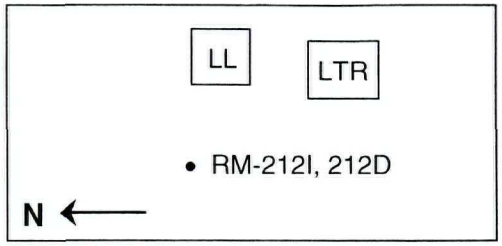
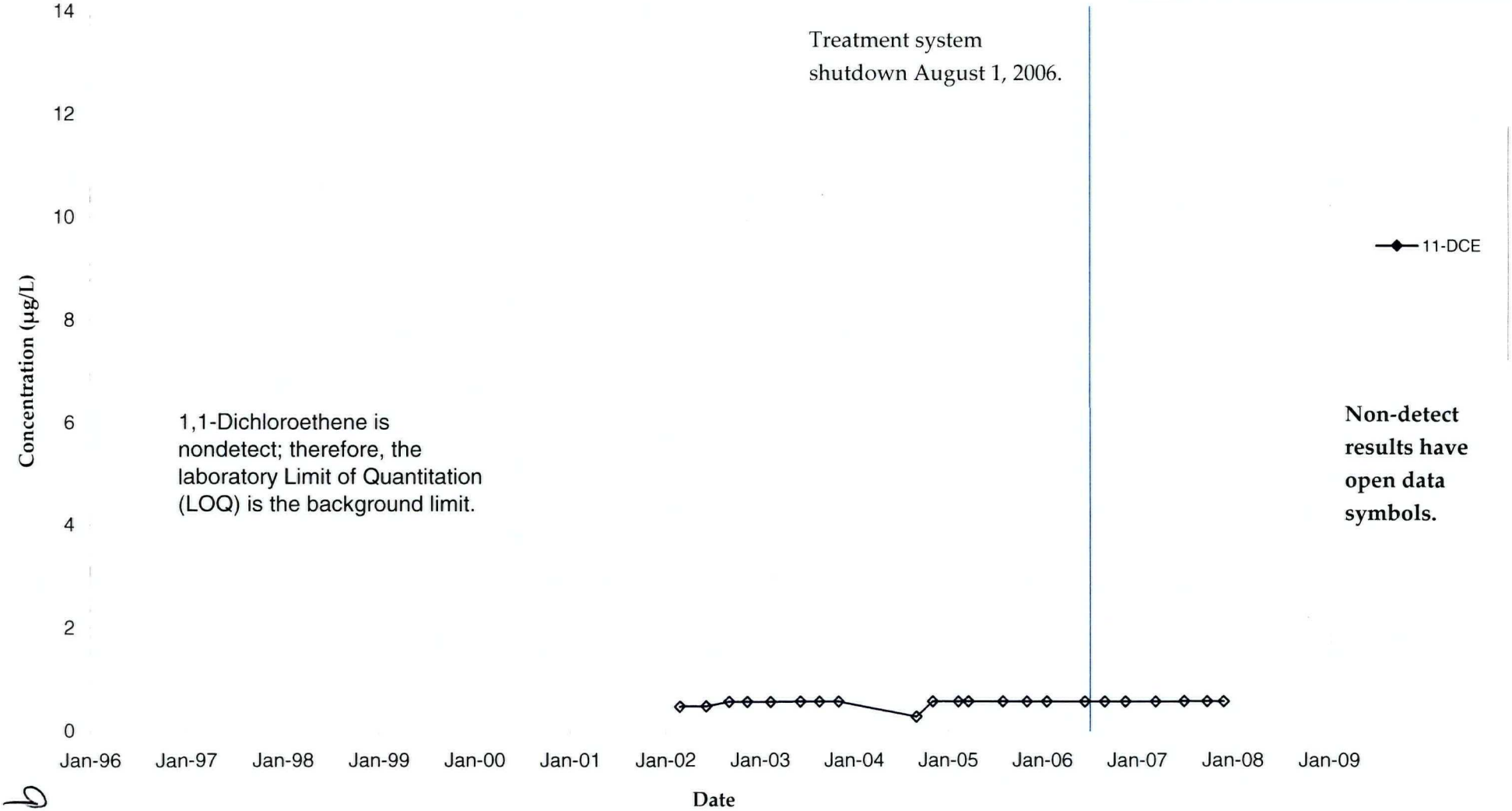
RM-212D
VOC Concentration Trends
Lemberger Landfill





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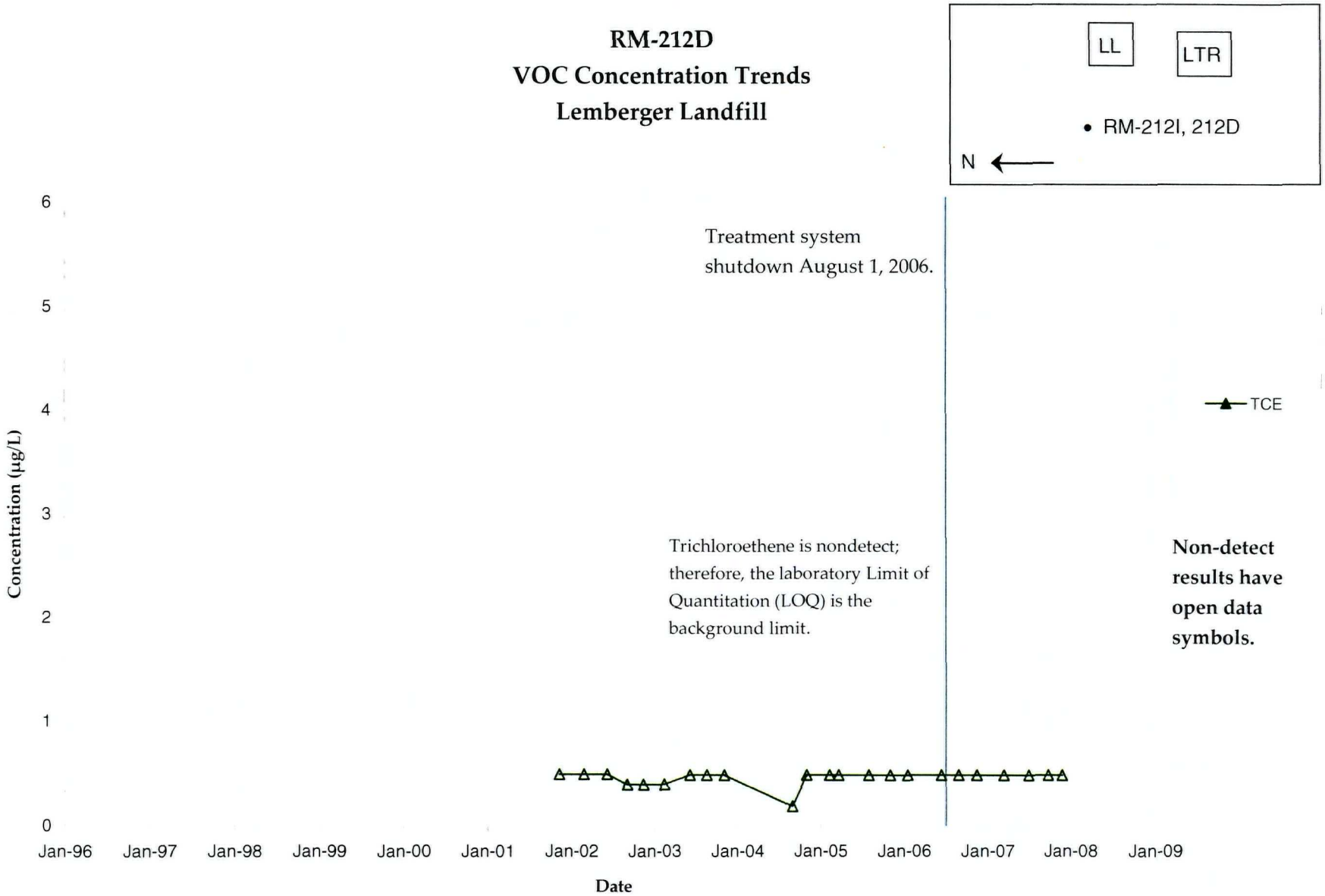
RM-212D
VOC Concentration Trends
Lemberger Landfill



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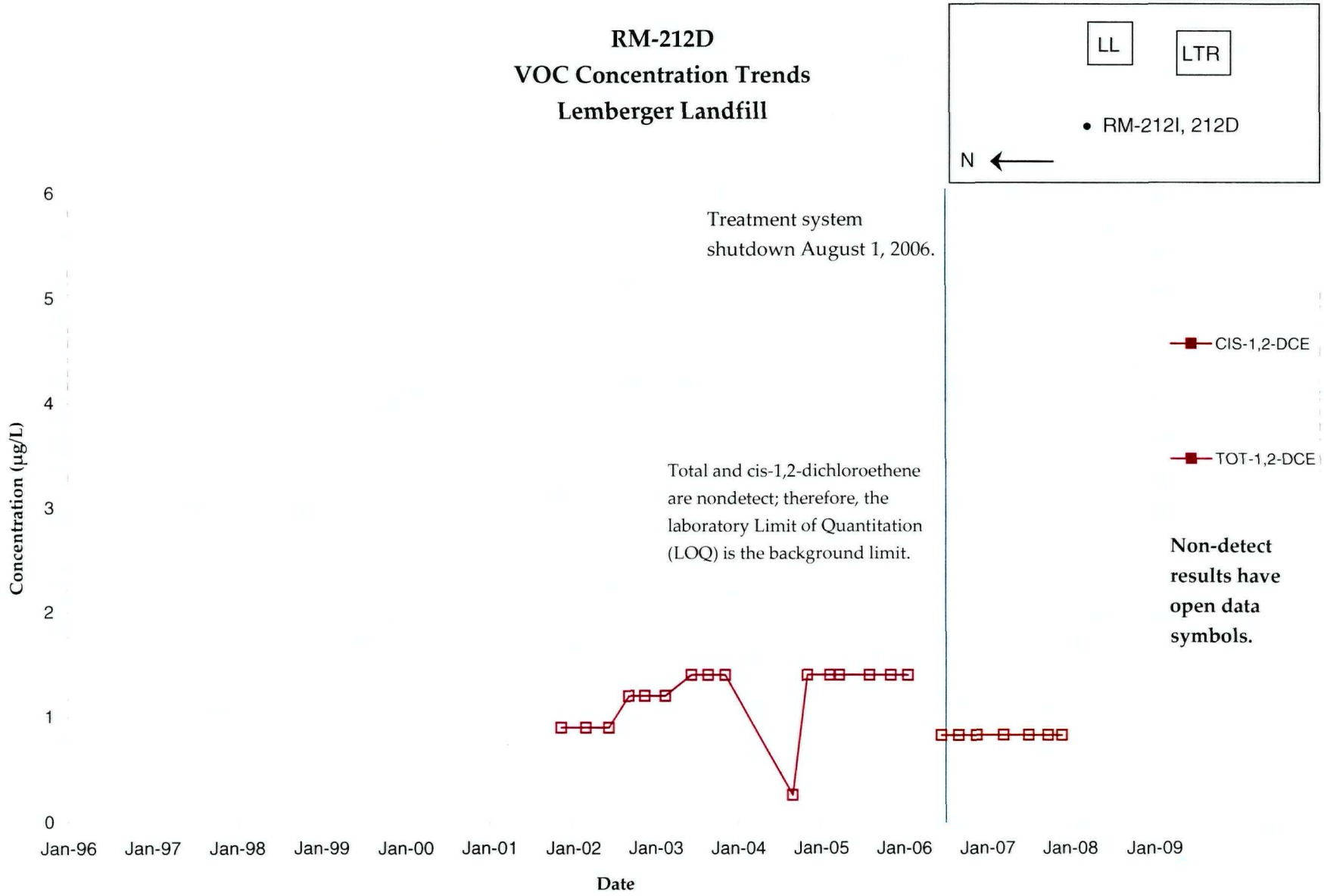
RM-212D
VOC Concentration Trends
Lemberger Landfill



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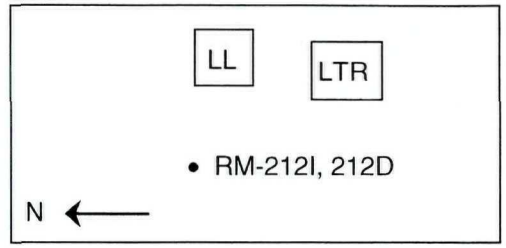
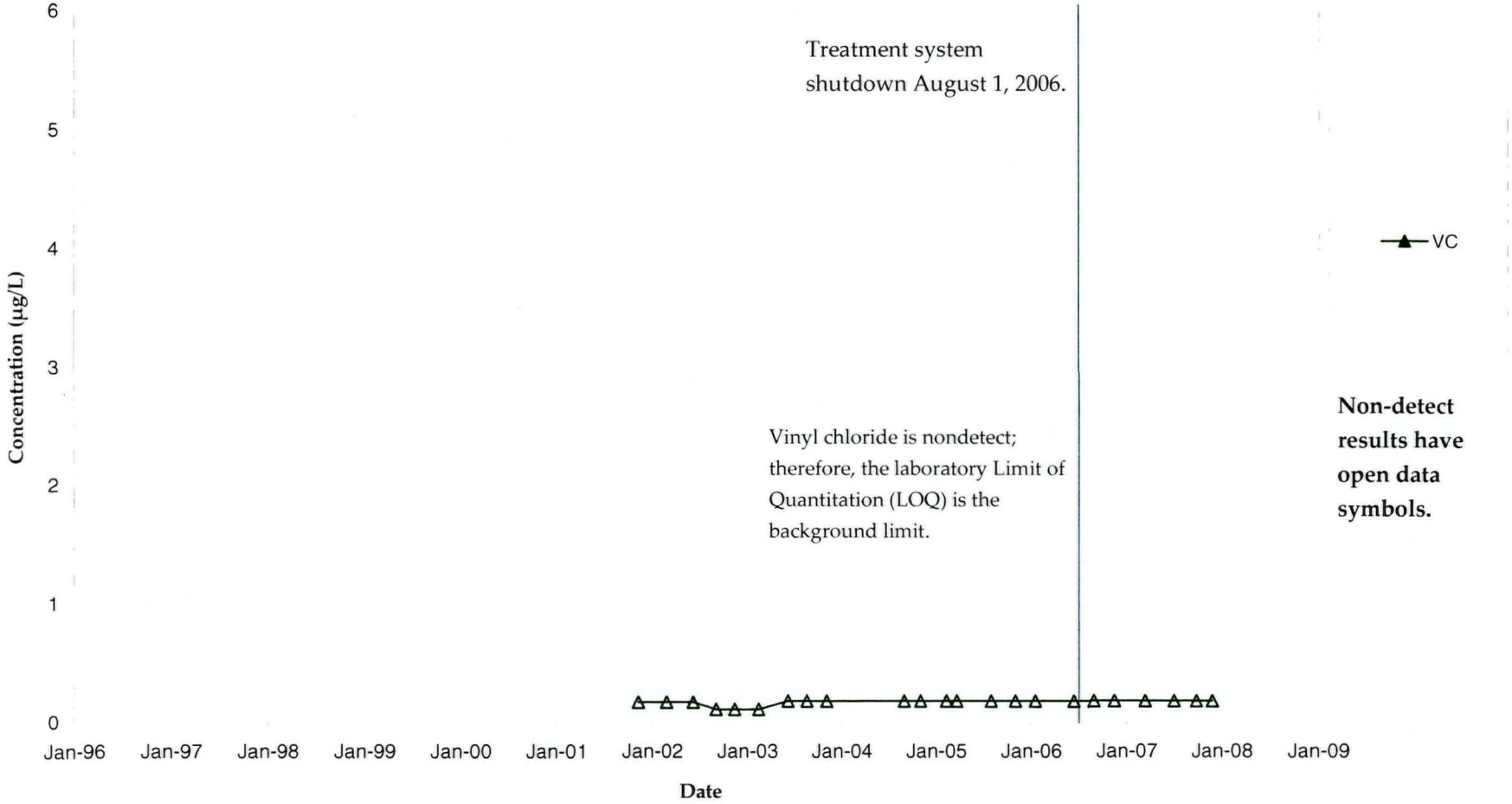
RM-212D
VOC Concentration Trends
Lemberger Landfill





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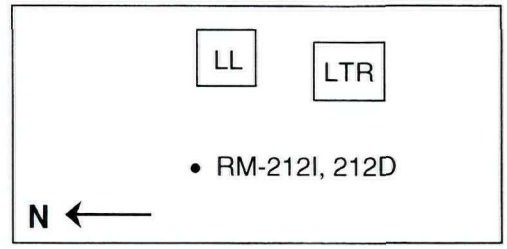
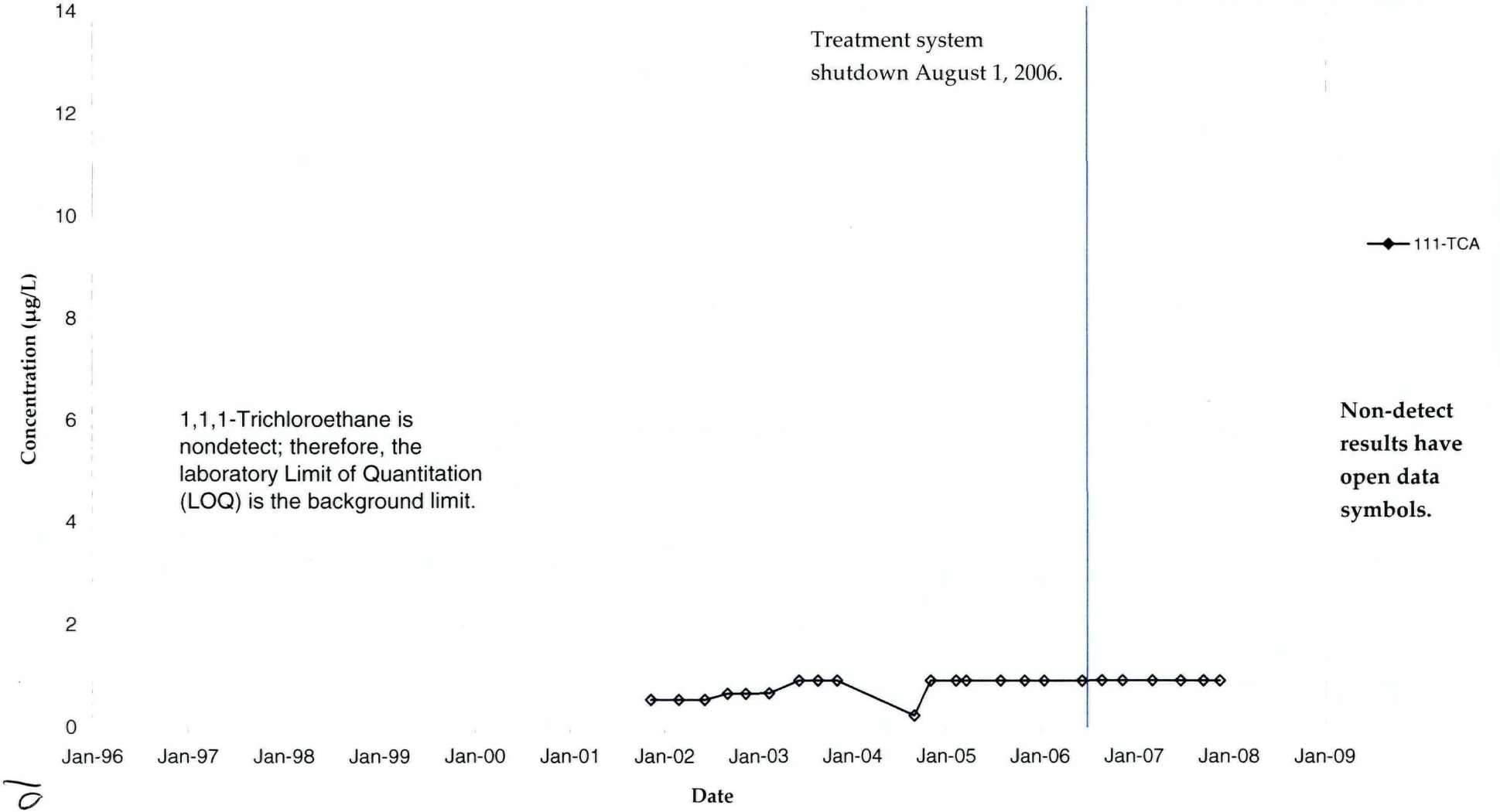
RM-212I
VOC Concentration Trends
Lemberger Landfill





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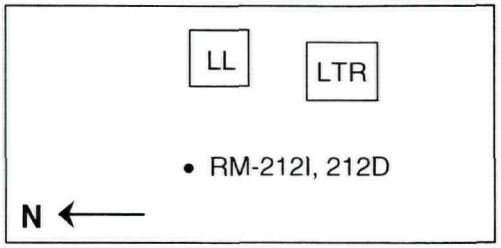
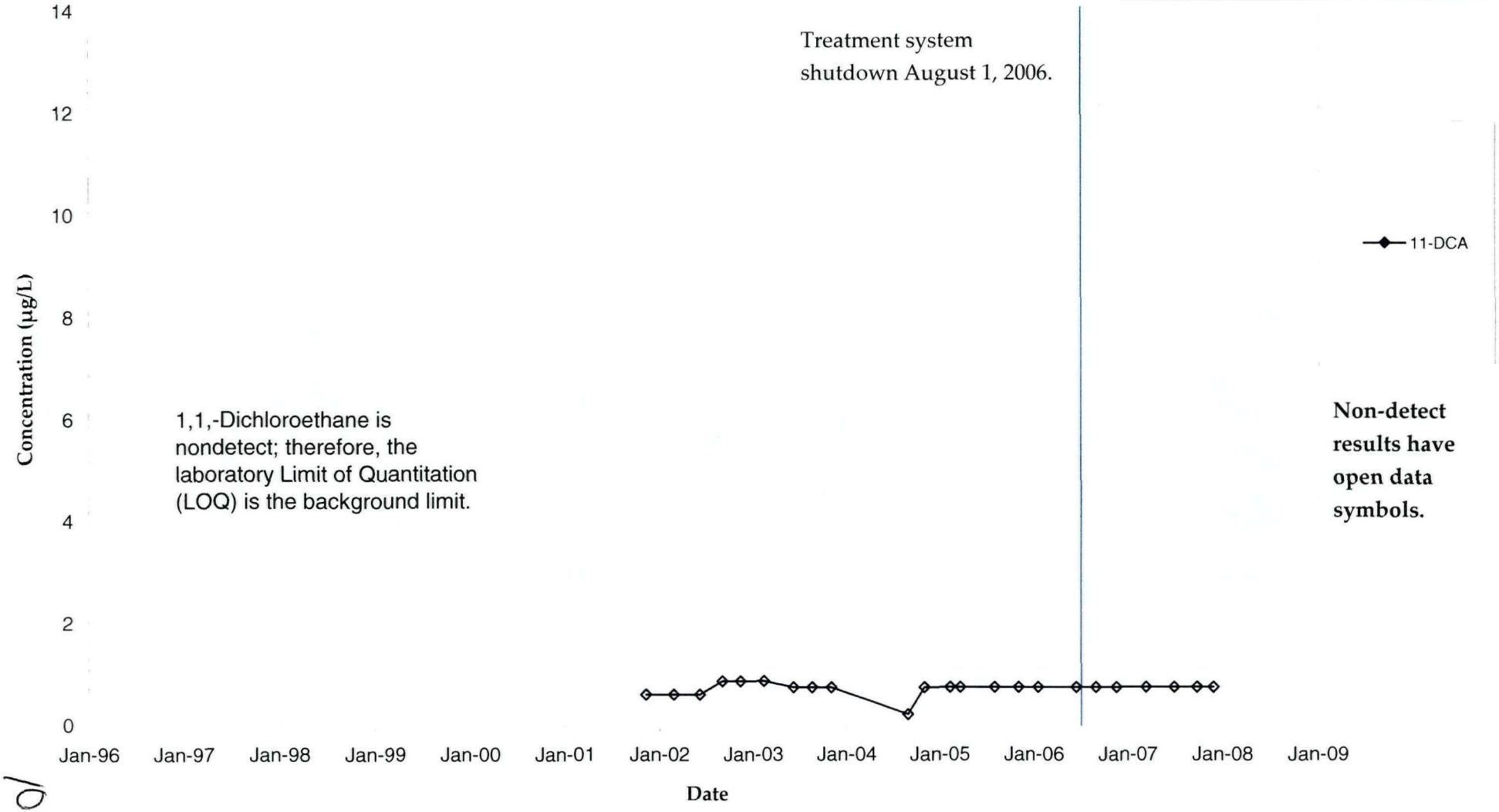
RM-212I
VOC Concentration Trends
Lemberger Landfill





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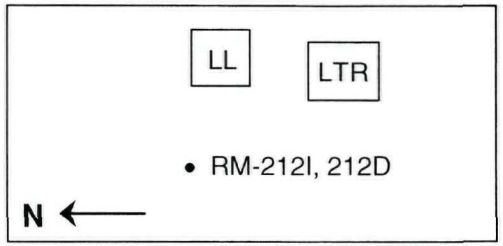
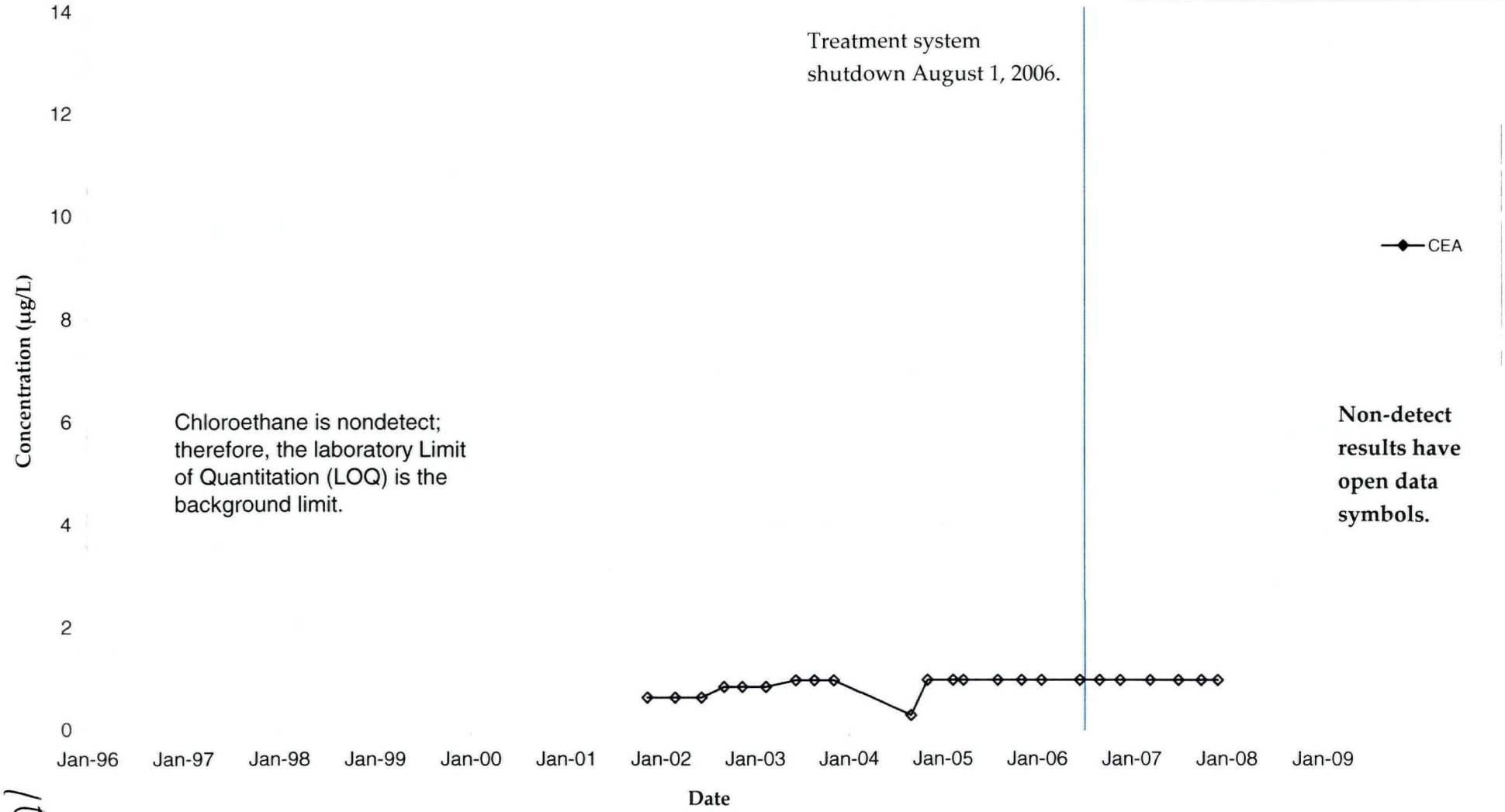
RM-212I
VOC Concentration Trends
Lemberger Landfill





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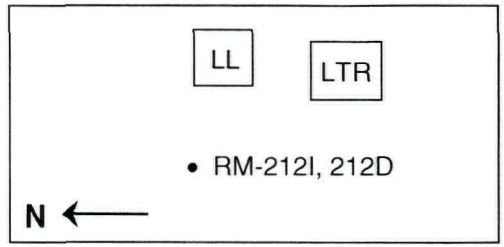
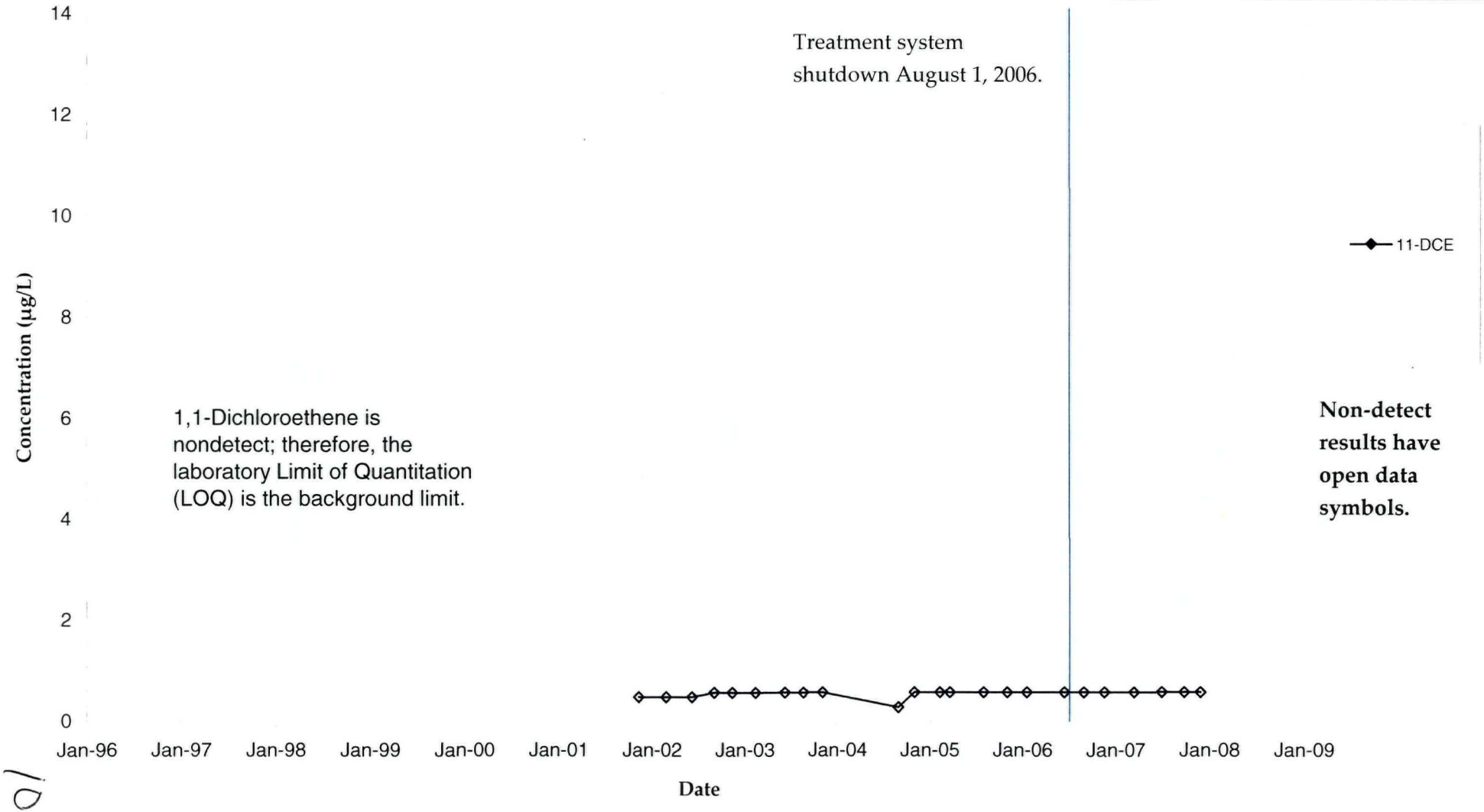
RM-212I
VOC Concentration Trends
Lemberger Landfill





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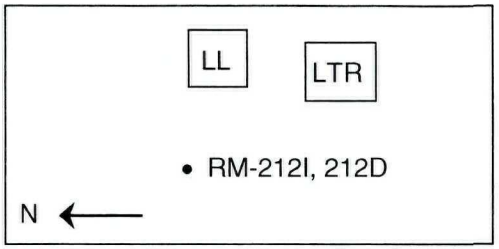
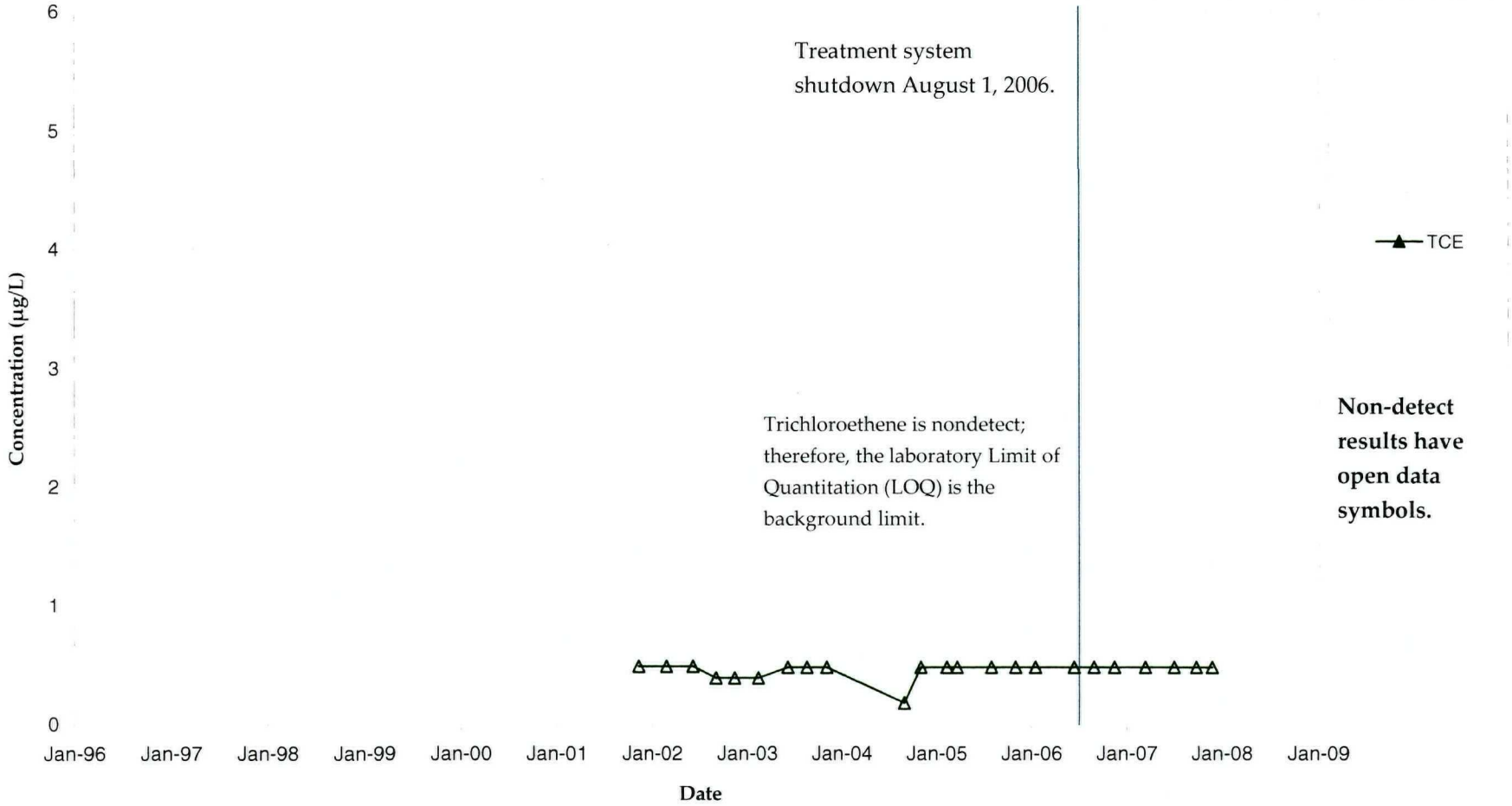
RM-212I
VOC Concentration Trends
Lemberger Landfill





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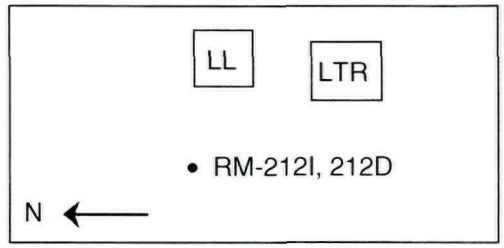
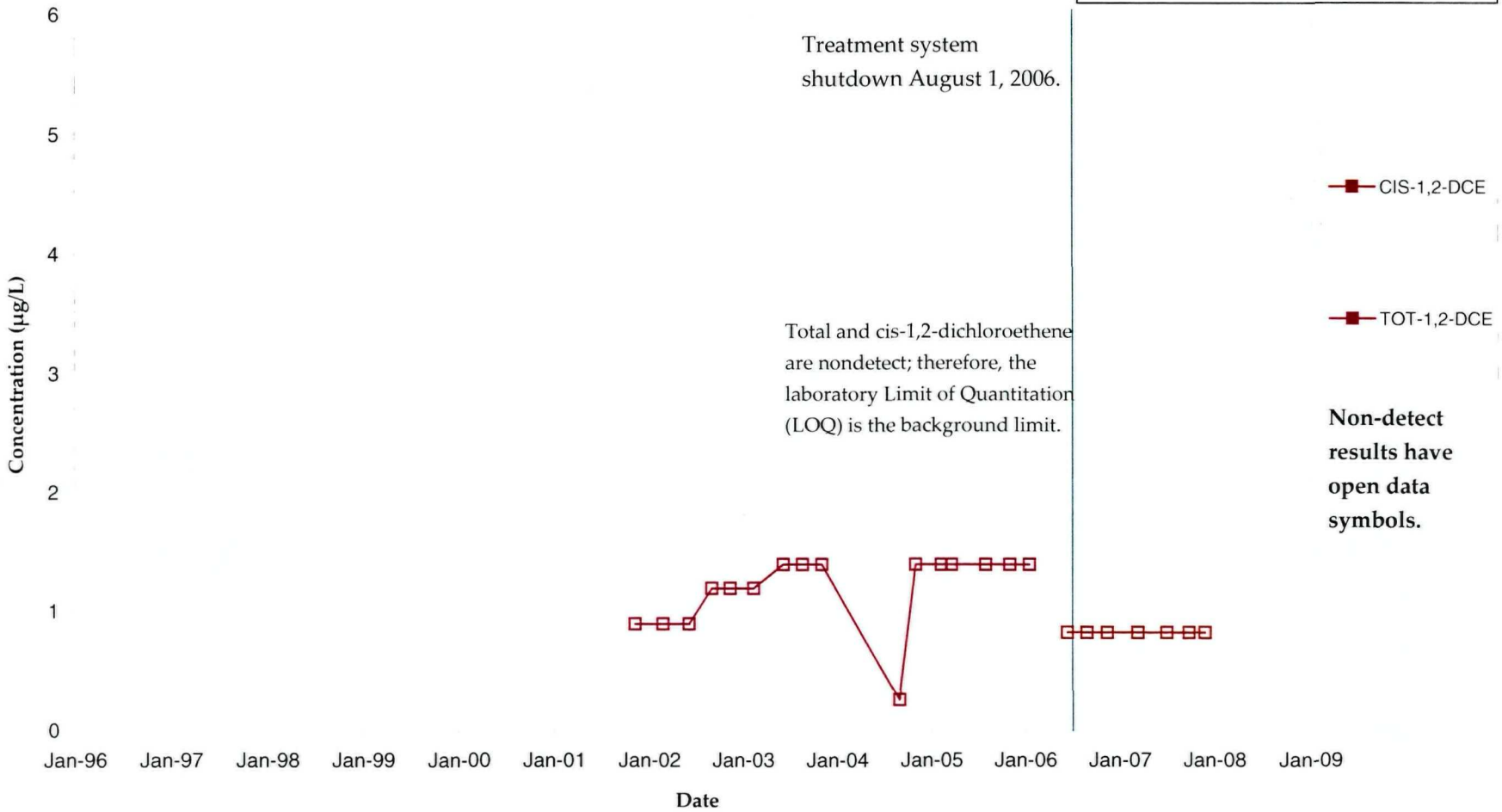
RM-212I
VOC Concentration Trends
Lemberger Landfill





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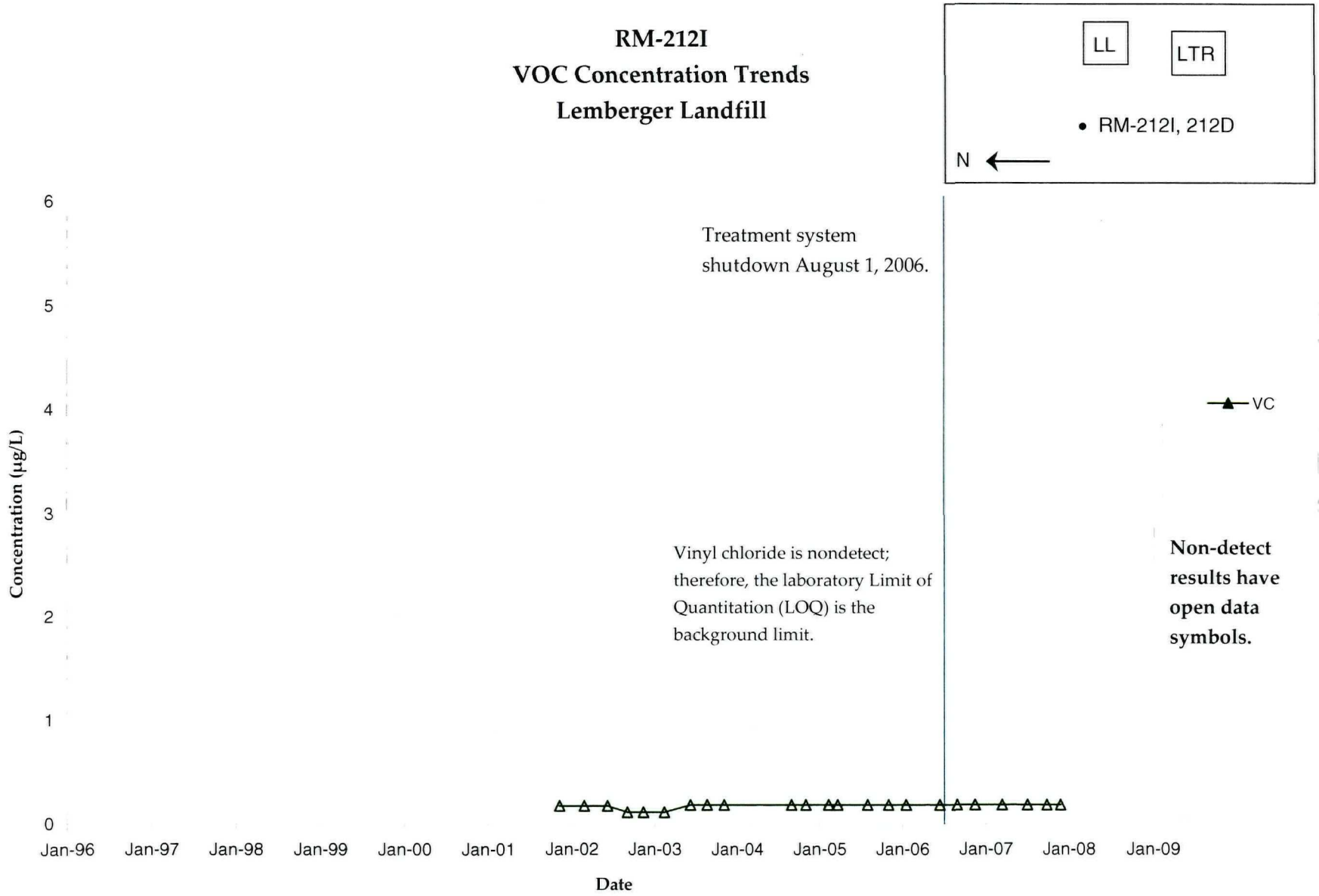
RM-212I
VOC Concentration Trends
Lemberger Landfill



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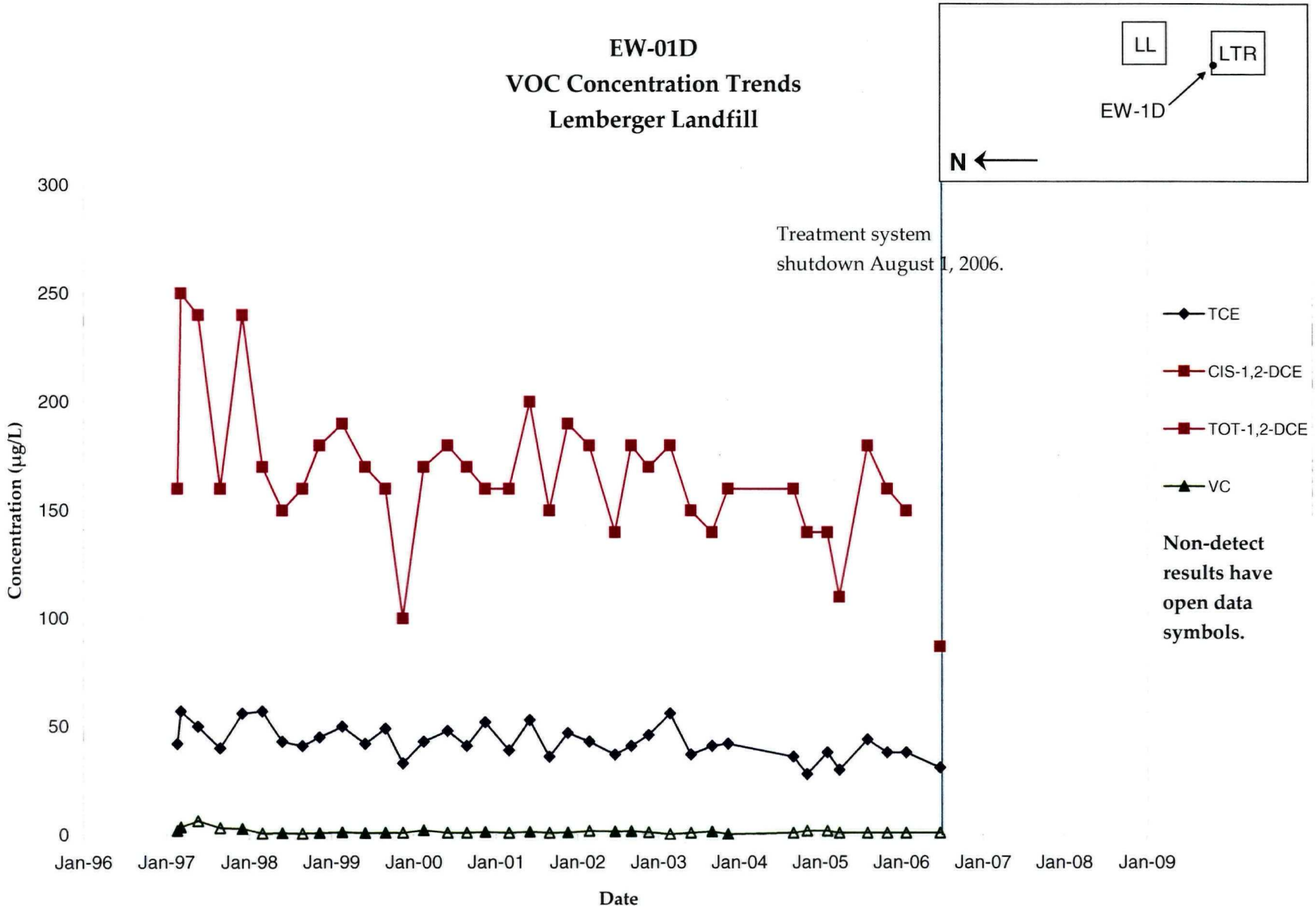

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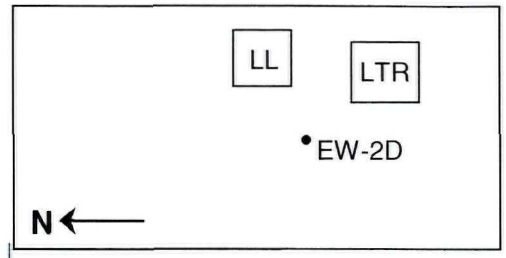
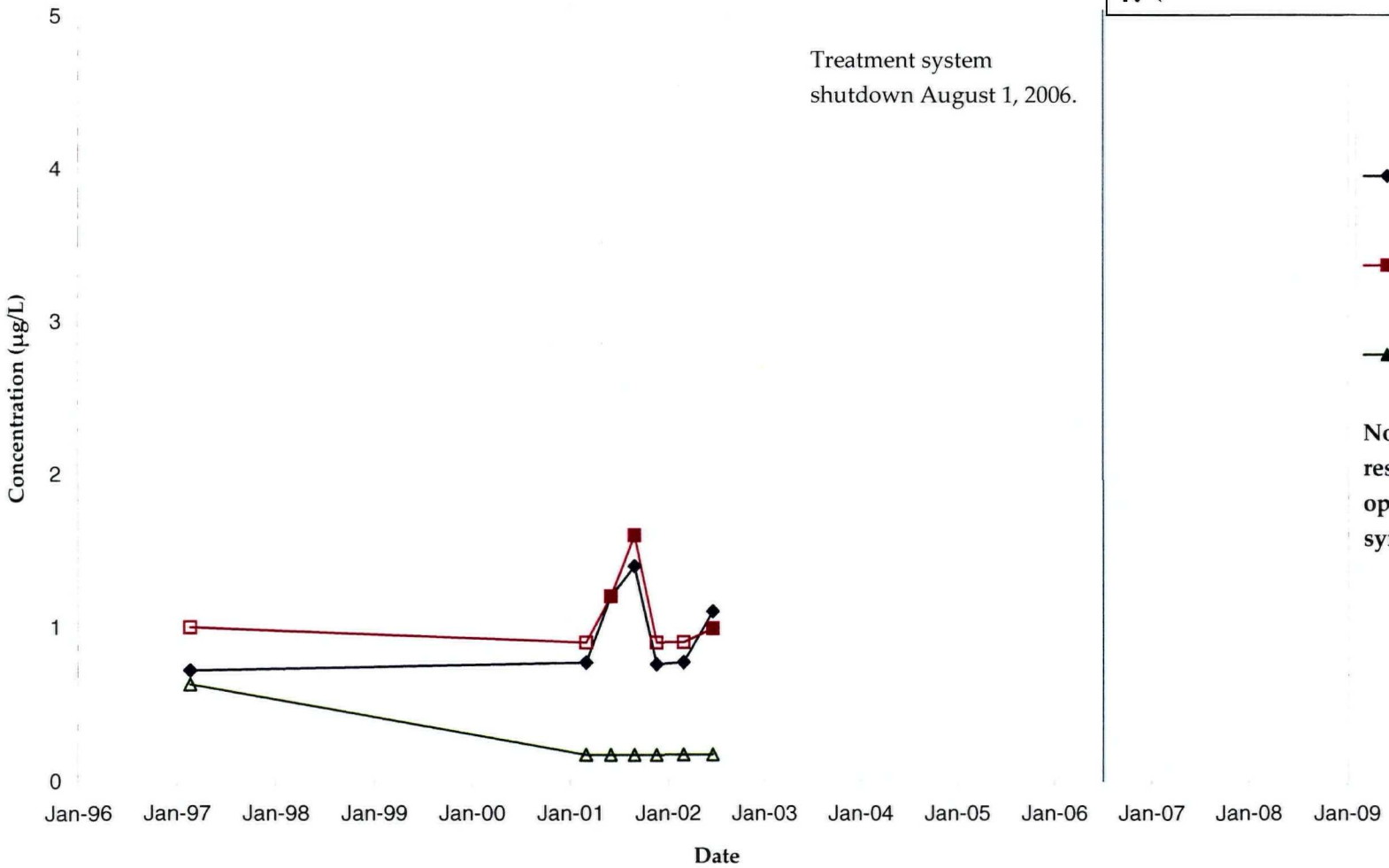
EW-02D
VOC Concentration Trends
Lemberger Landfill





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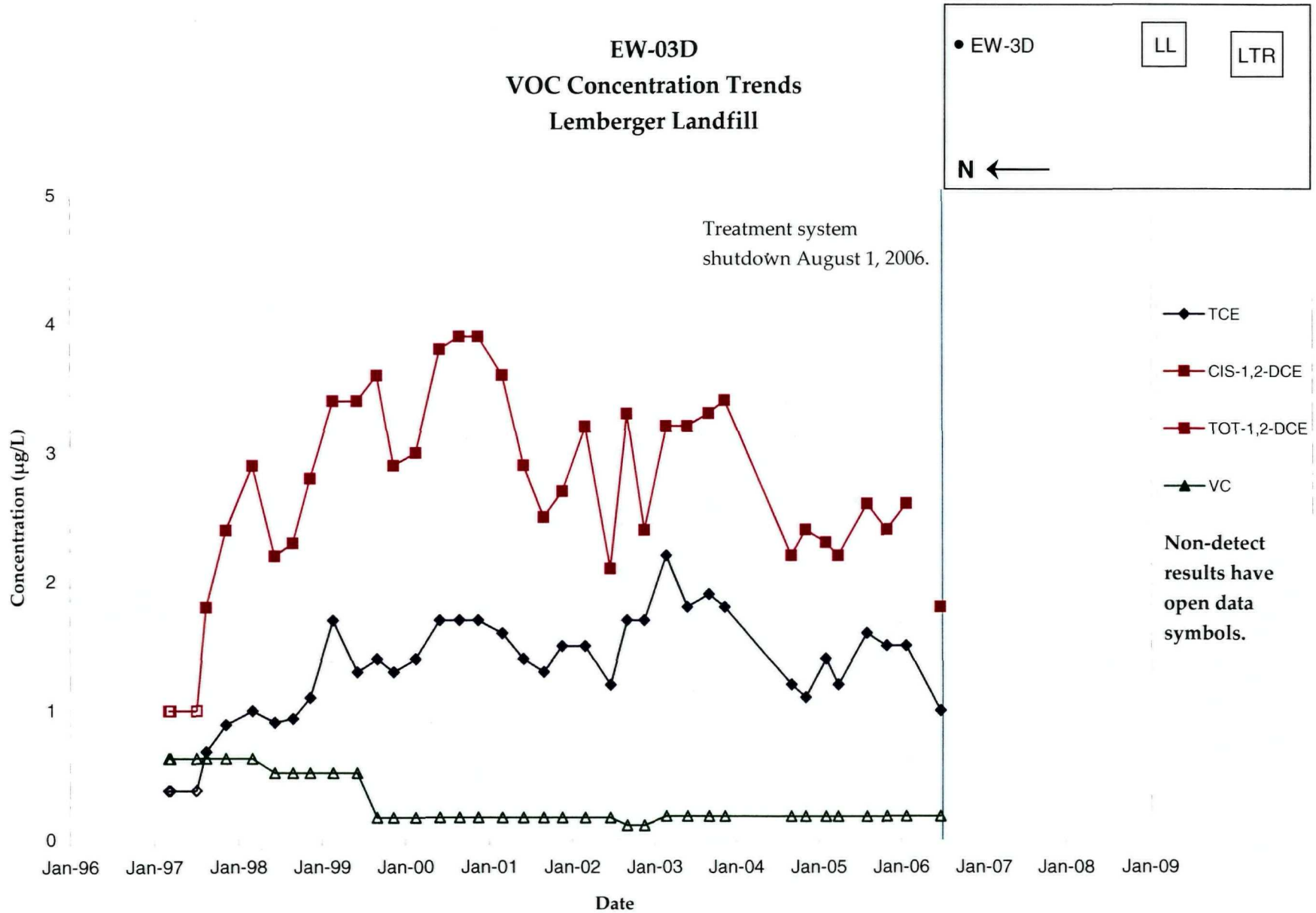

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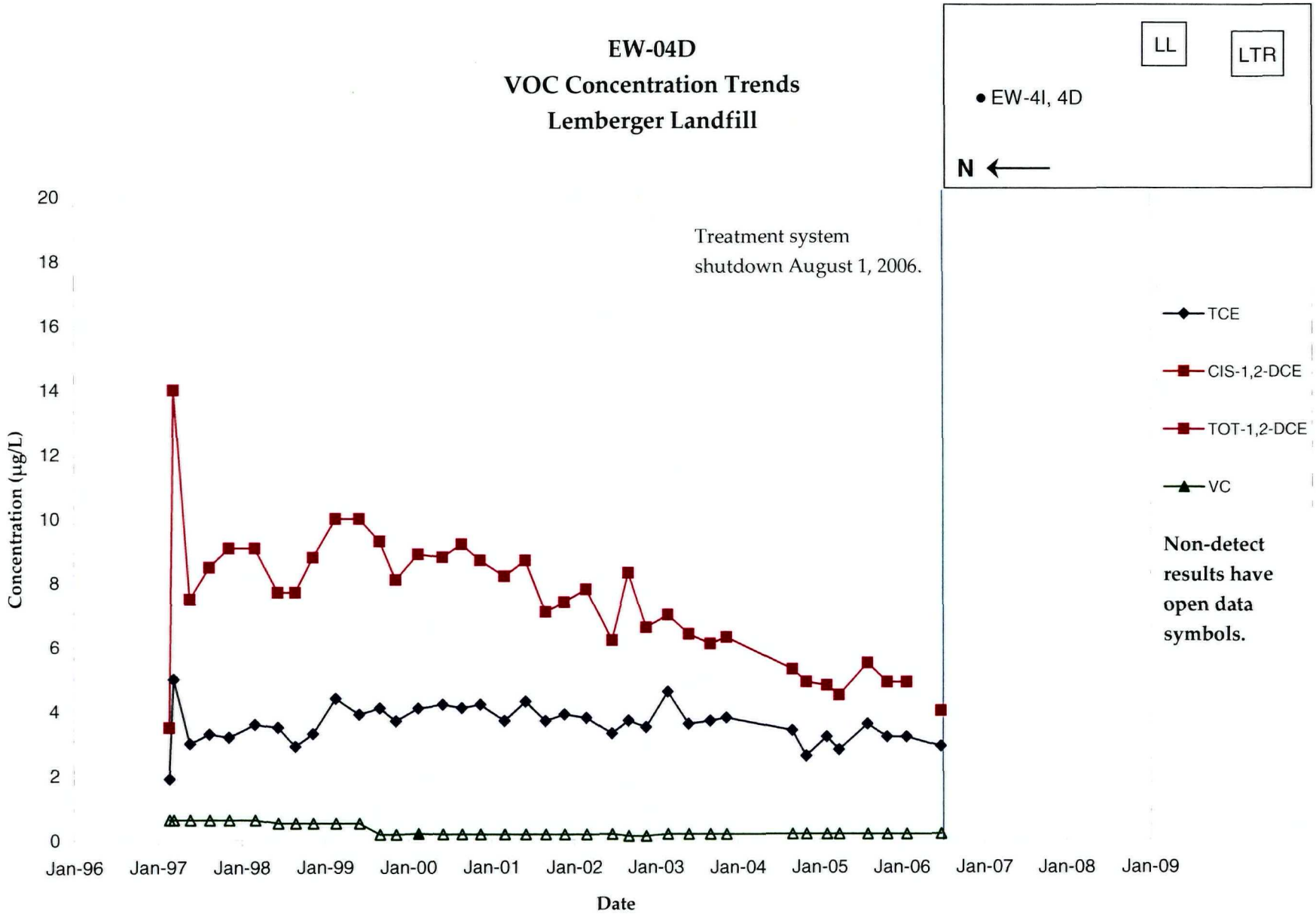
EW-04D
VOC Concentration Trends
Lemberger Landfill



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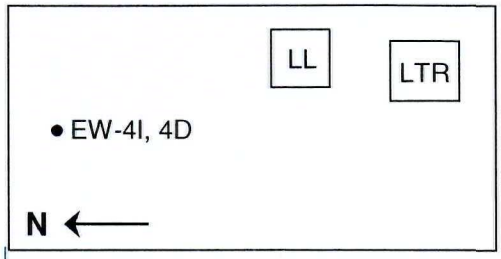
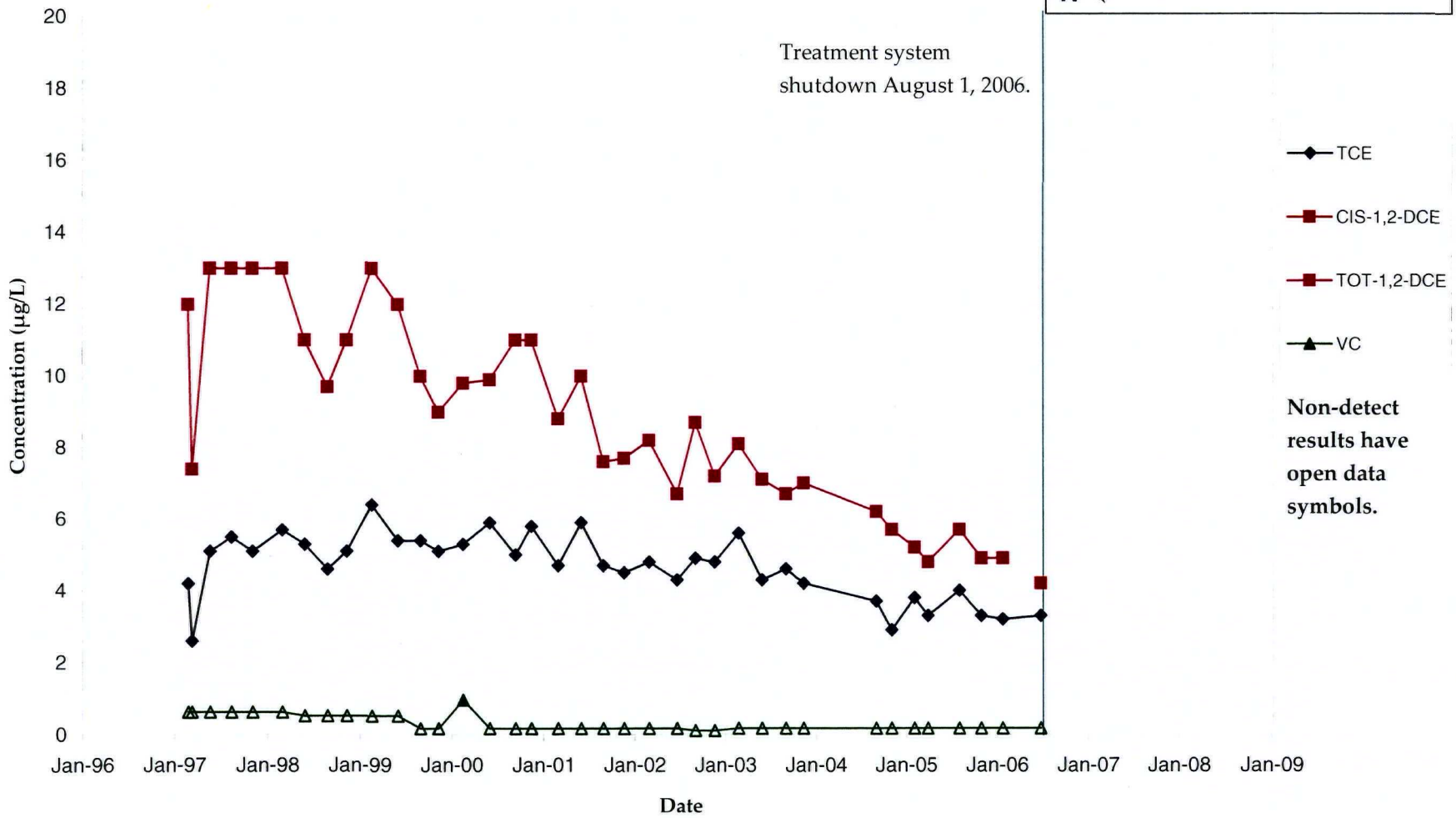
EW-04I
VOC Concentration Trends
Lemberger Landfill





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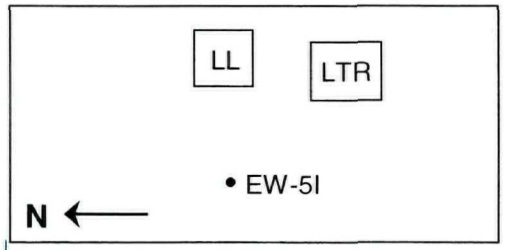
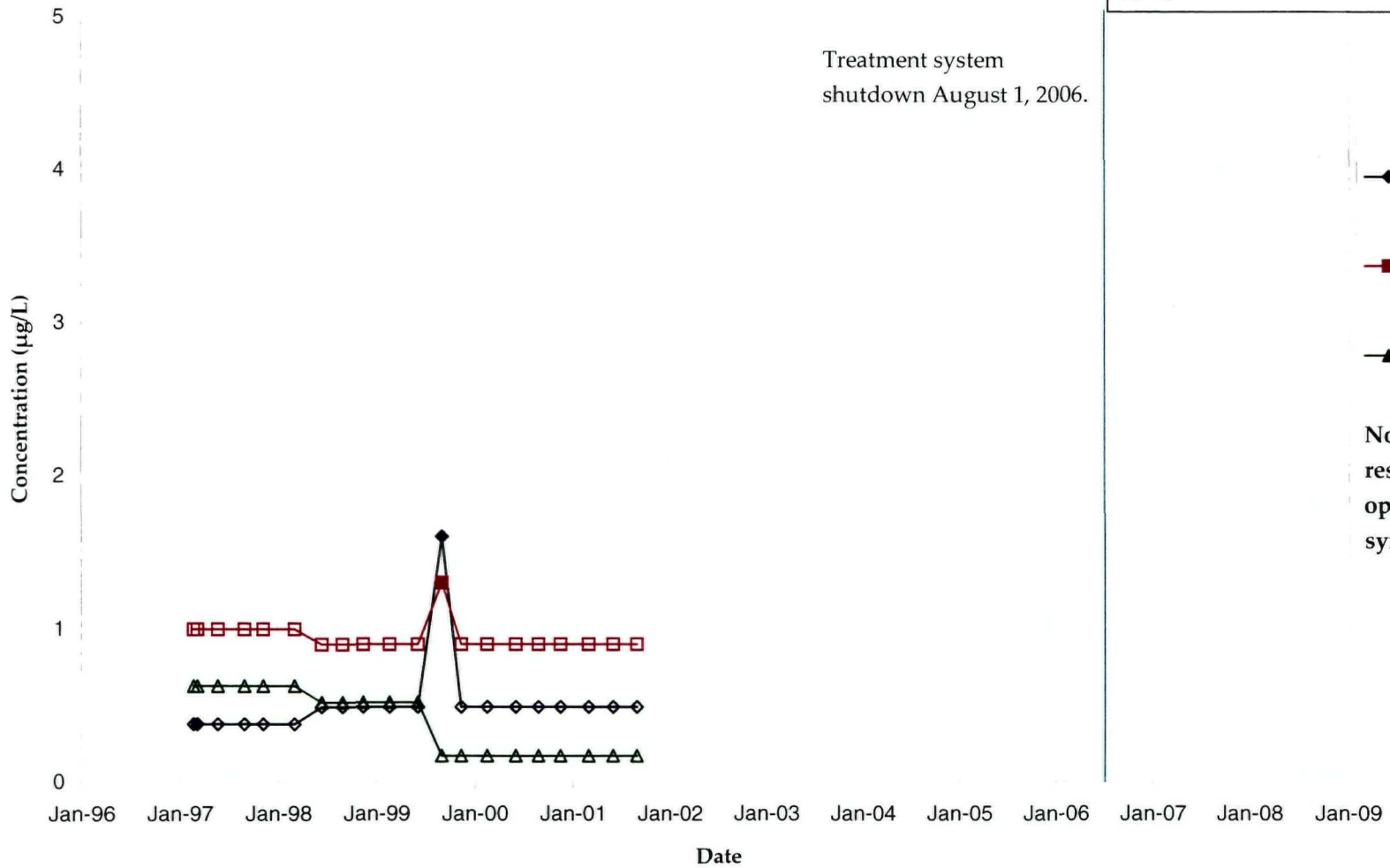
EW-05I
VOC Concentration Trends
Lemberger Landfill





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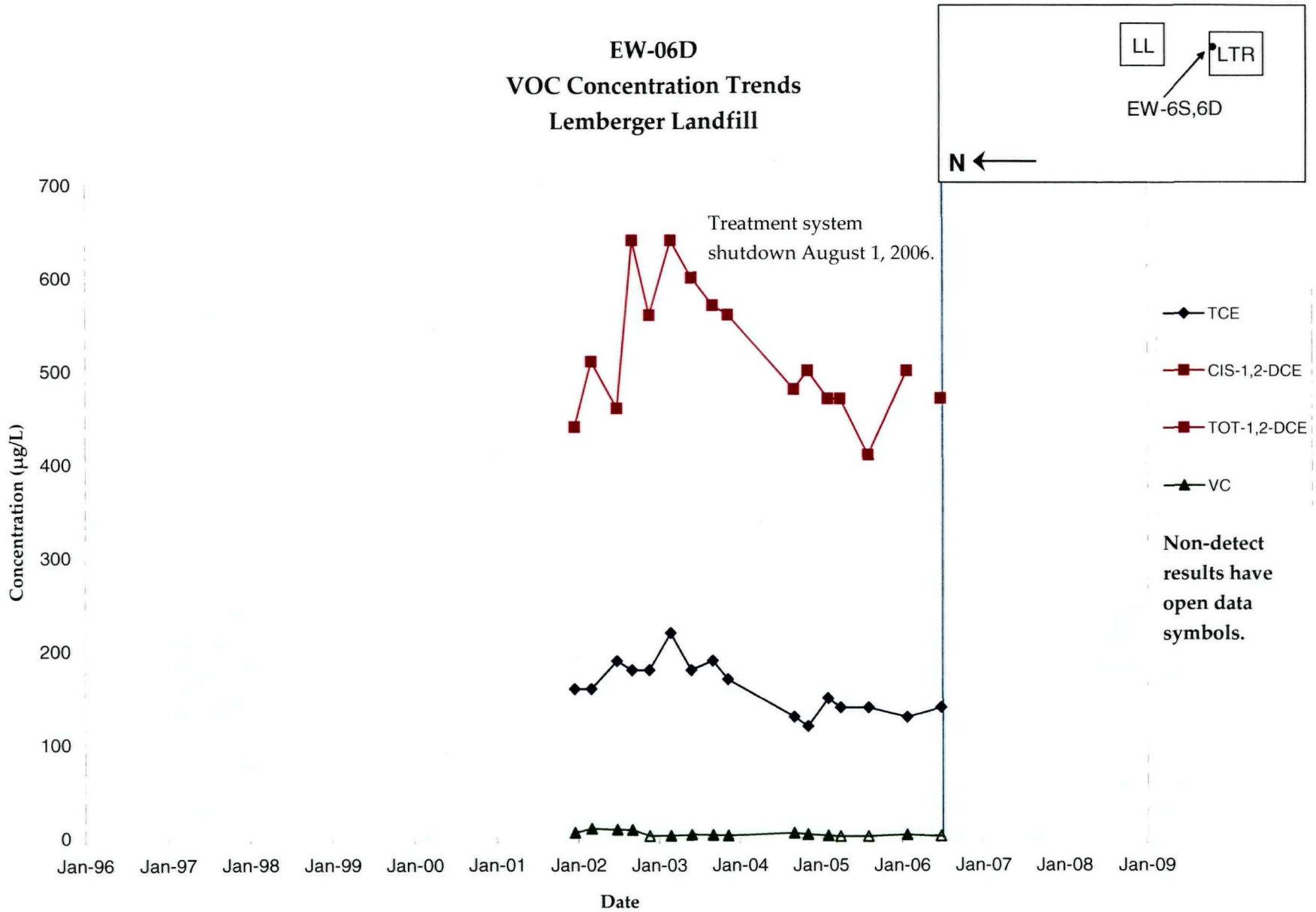

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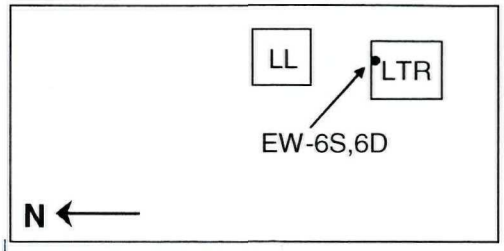
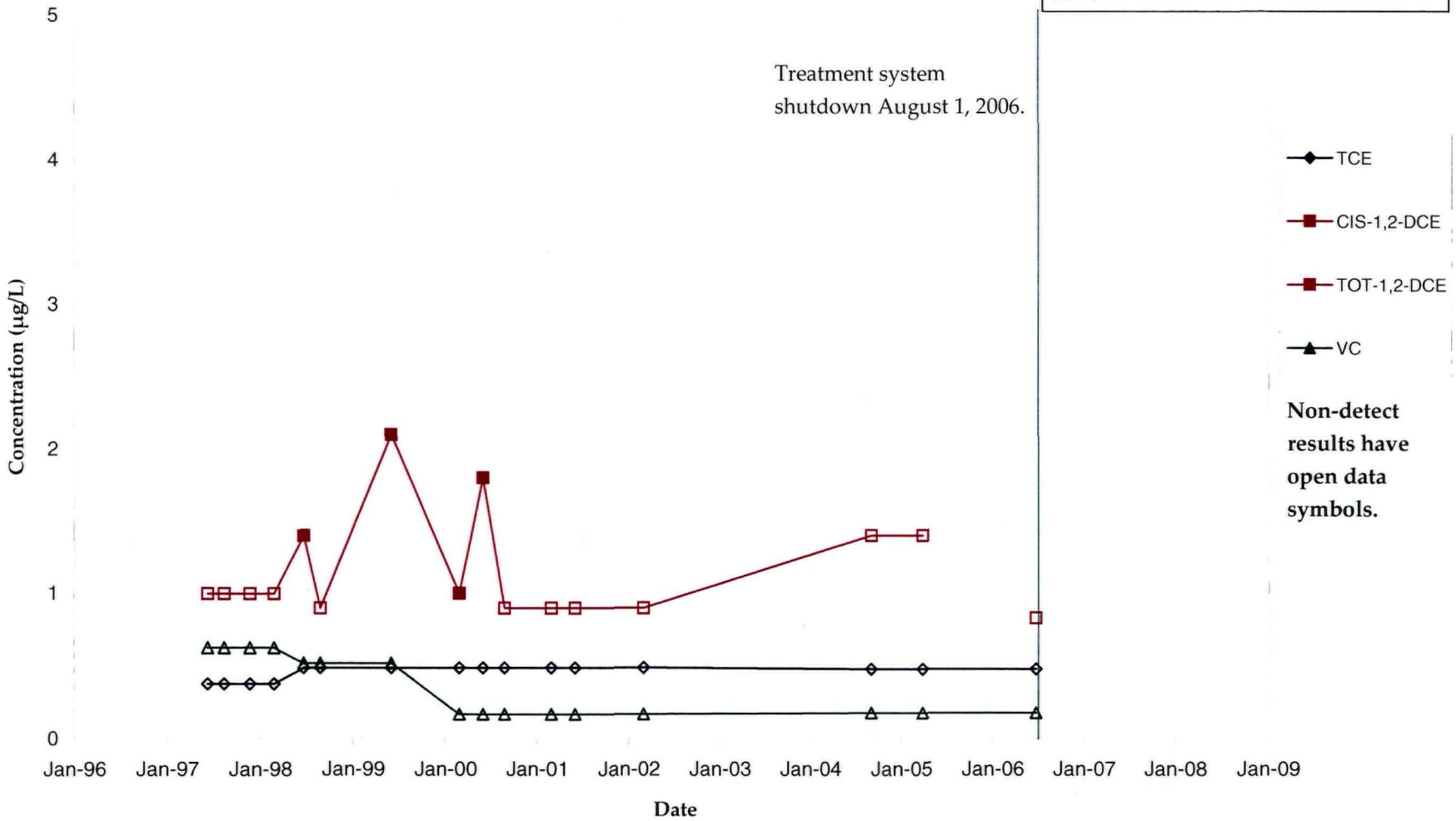
EW-06S
VOC Concentration Trends
Lemberger Landfill





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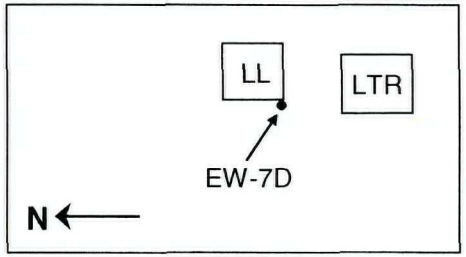
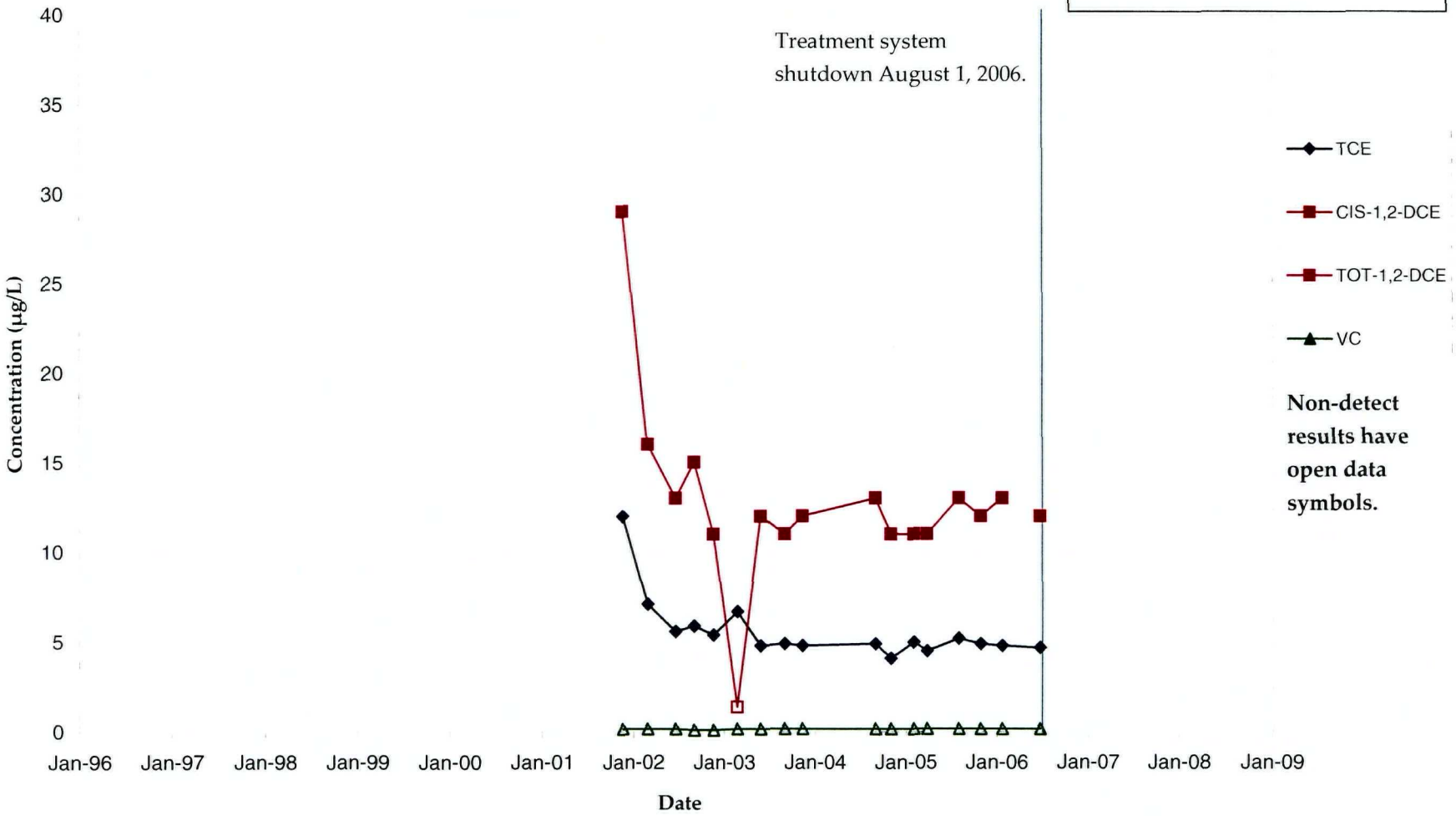
118

EW-07D
VOC Concentration Trends
Lemberger Landfill





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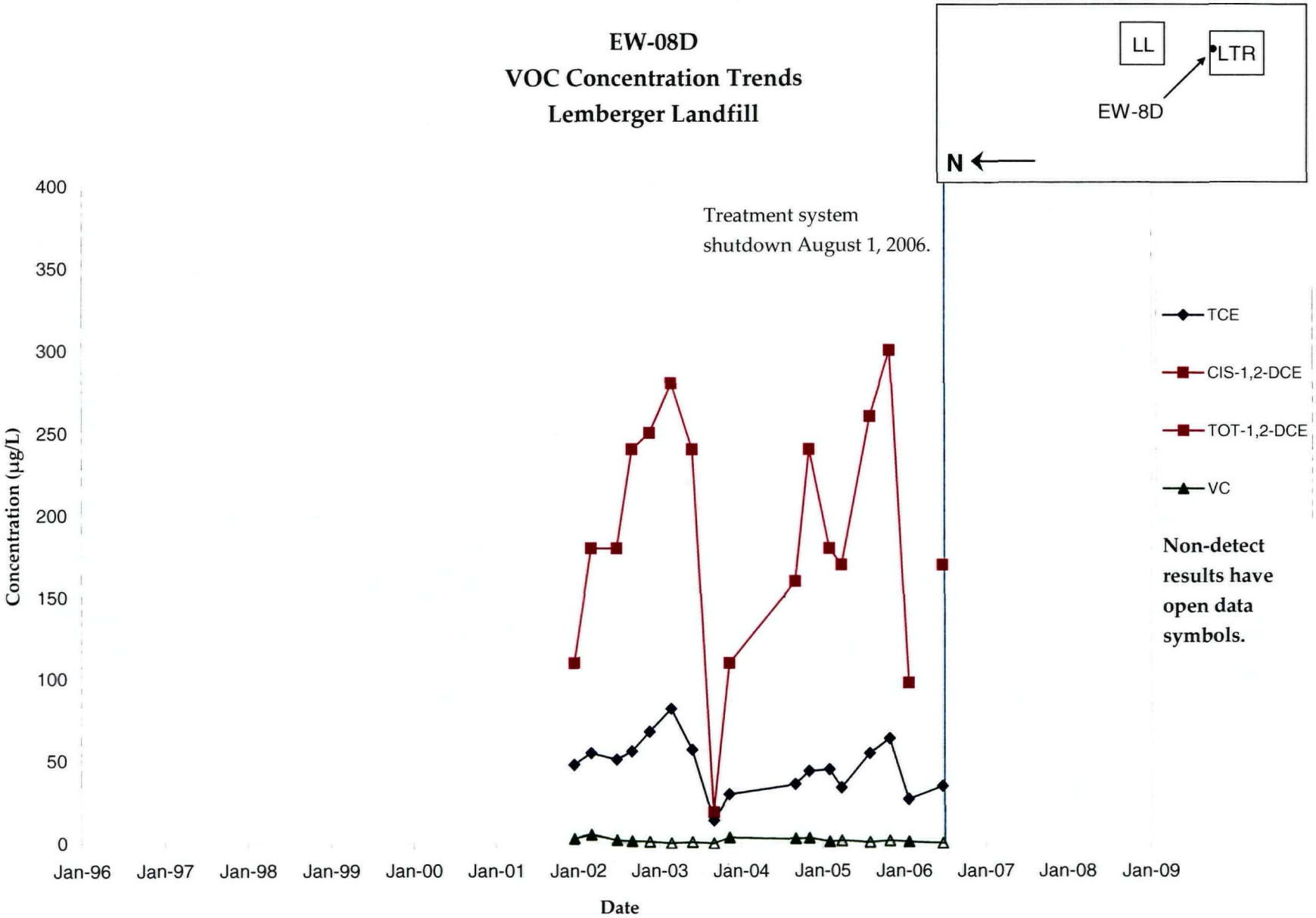
EW-08D
VOC Concentration Trends
Lemberger Landfill



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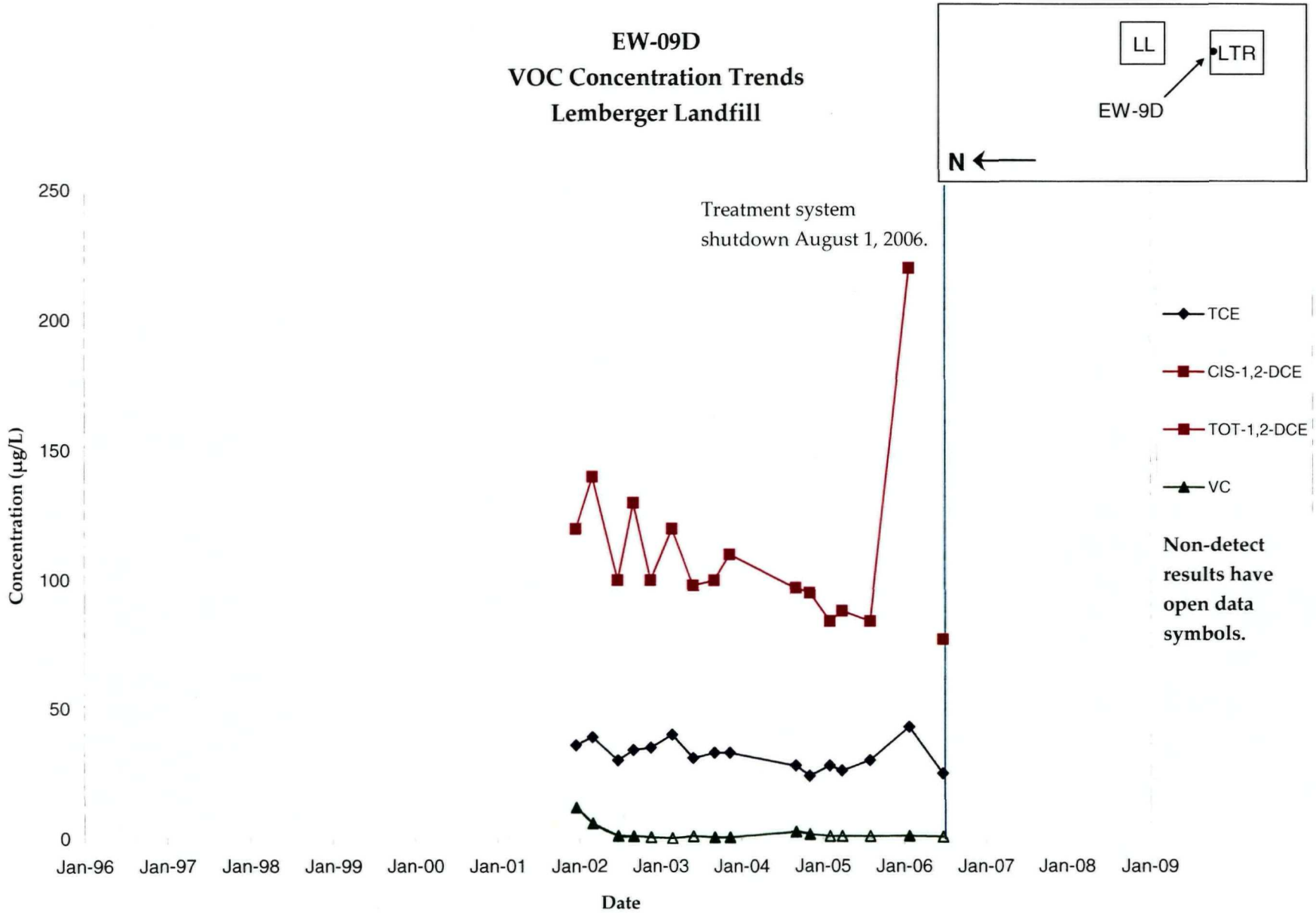

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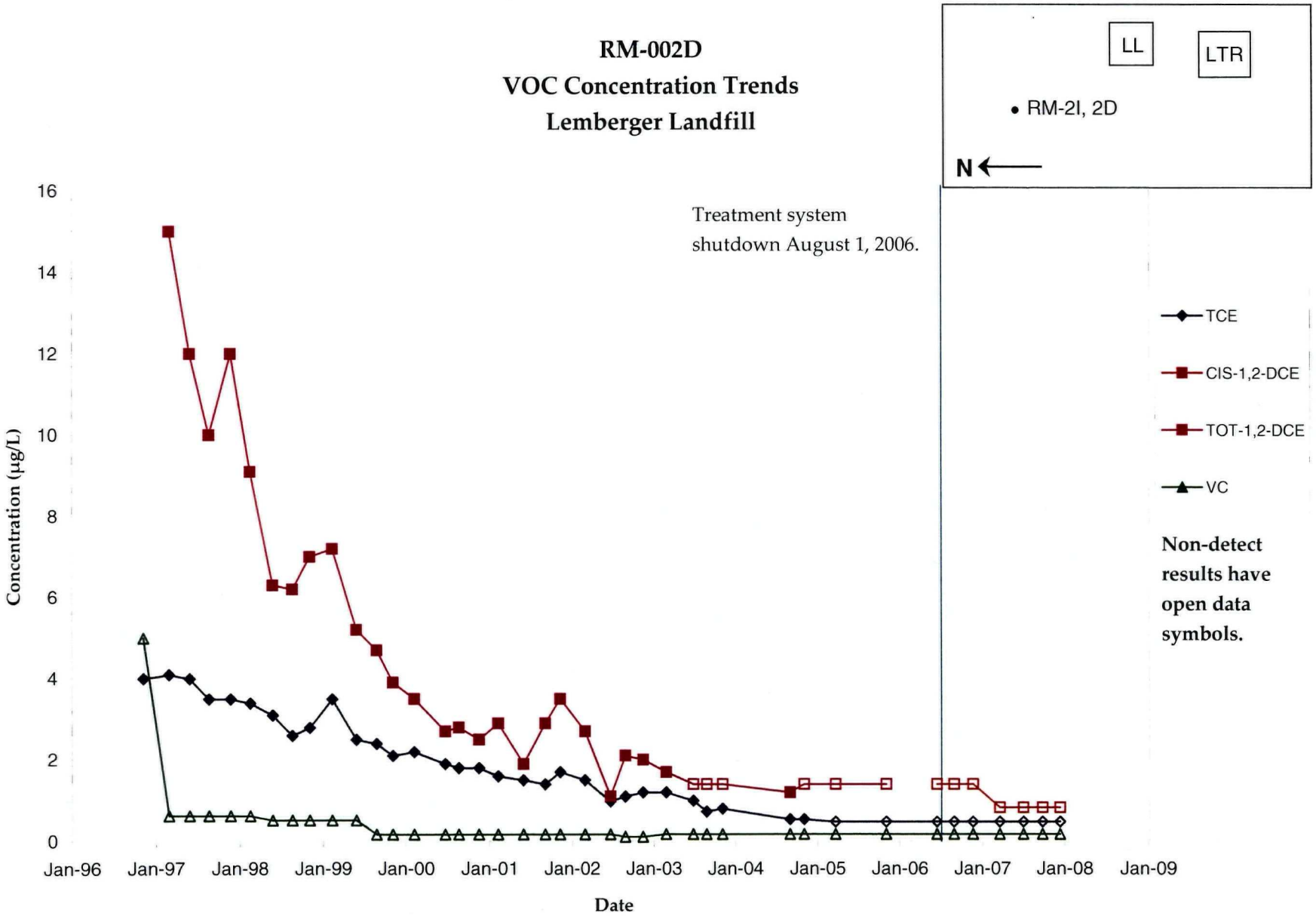
RM-002D
VOC Concentration Trends
Lemberger Landfill



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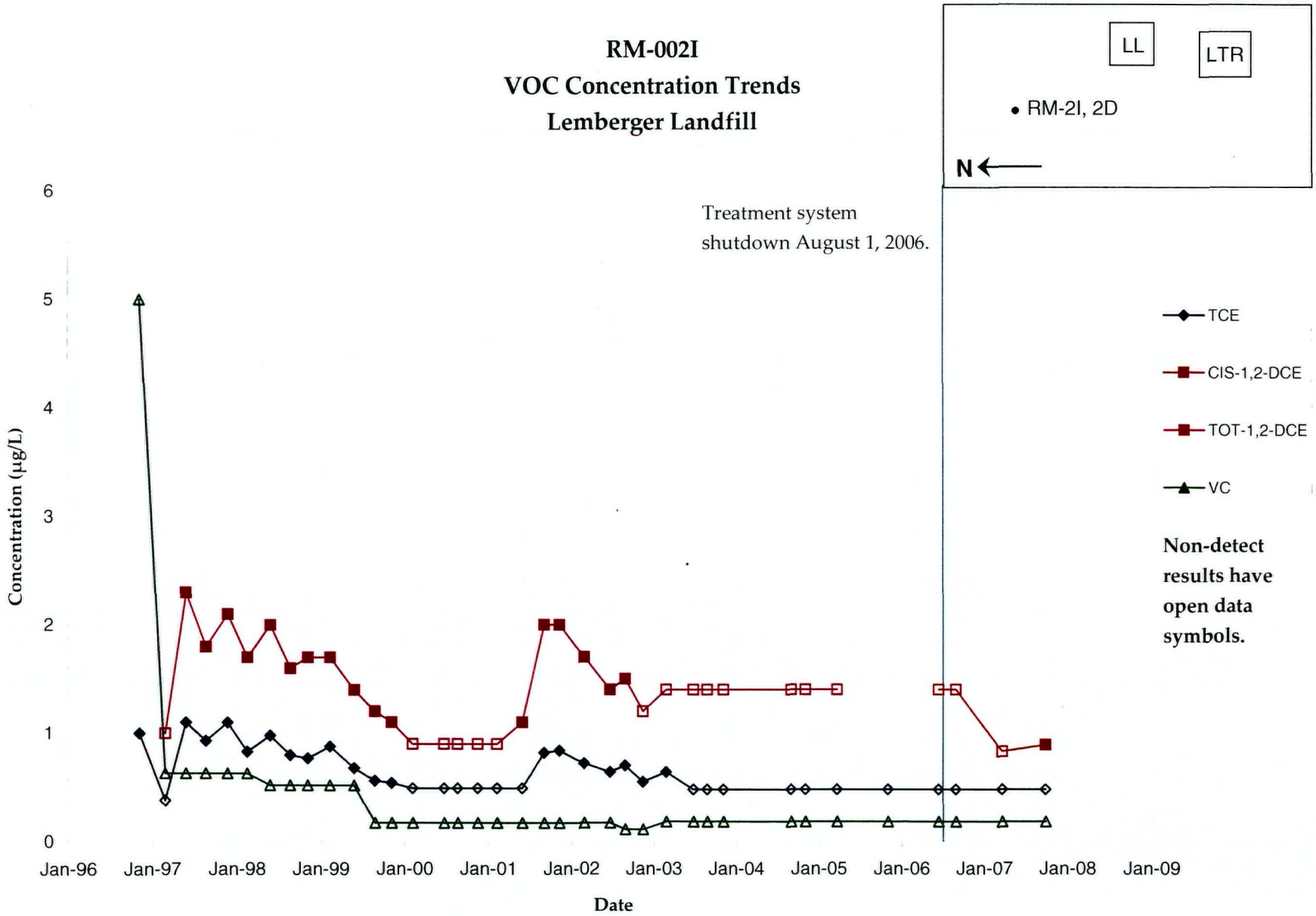
121

RM-002I
VOC Concentration Trends
Lemberger Landfill



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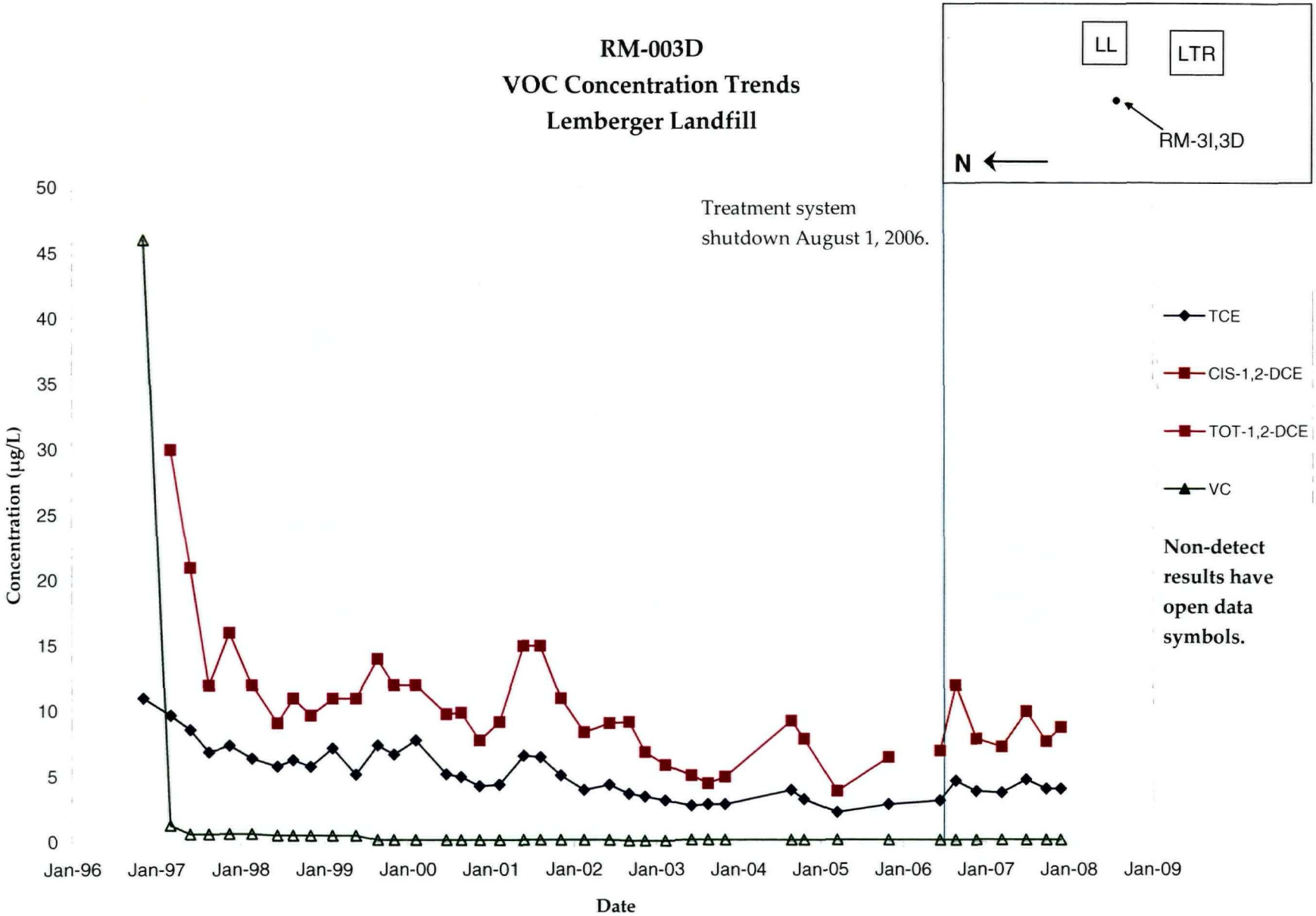
RM-003D
VOC Concentration Trends
Lemberger Landfill



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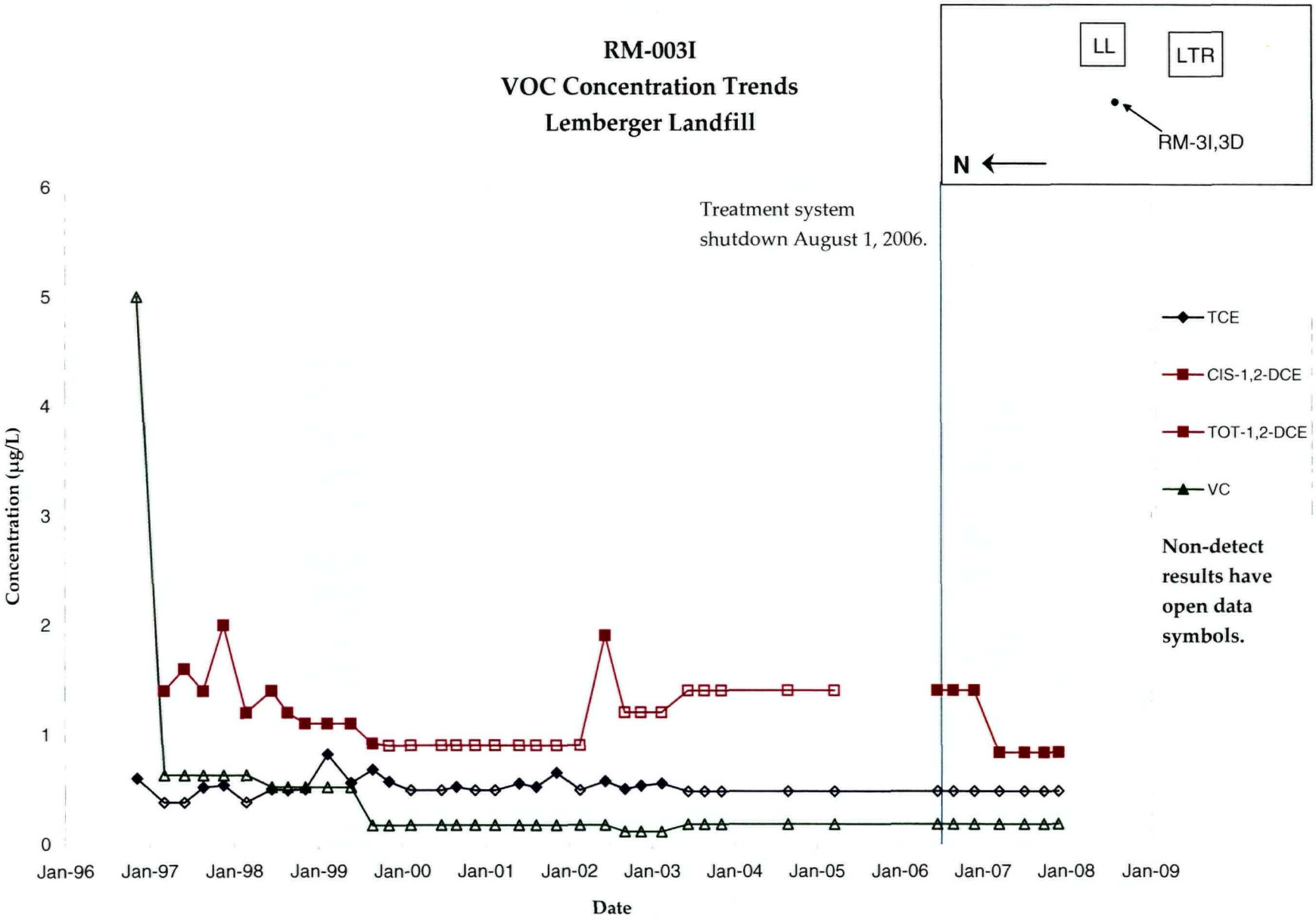
RM-003I
VOC Concentration Trends
Lemberger Landfill



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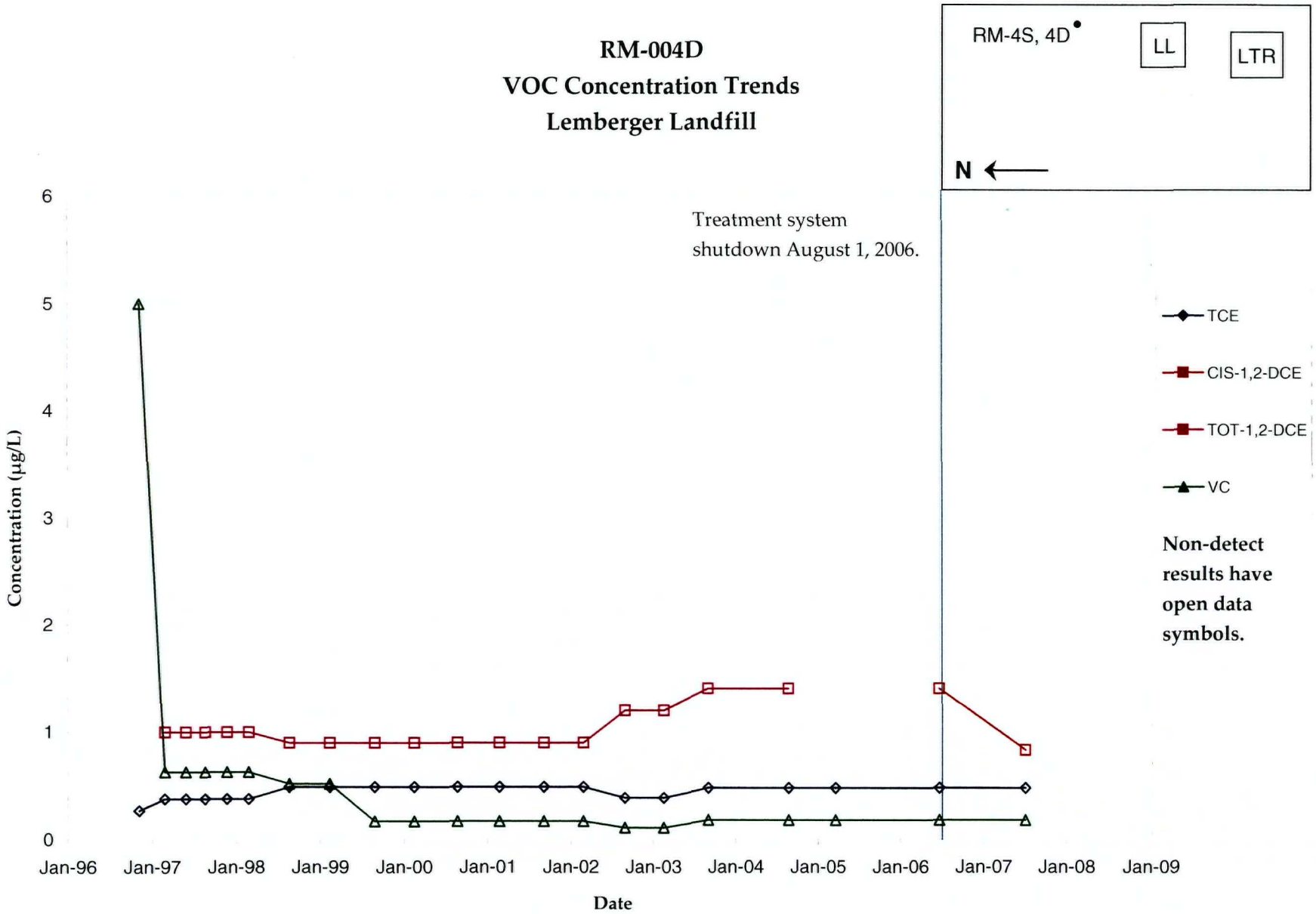
RM-004D
VOC Concentration Trends
Lemberger Landfill



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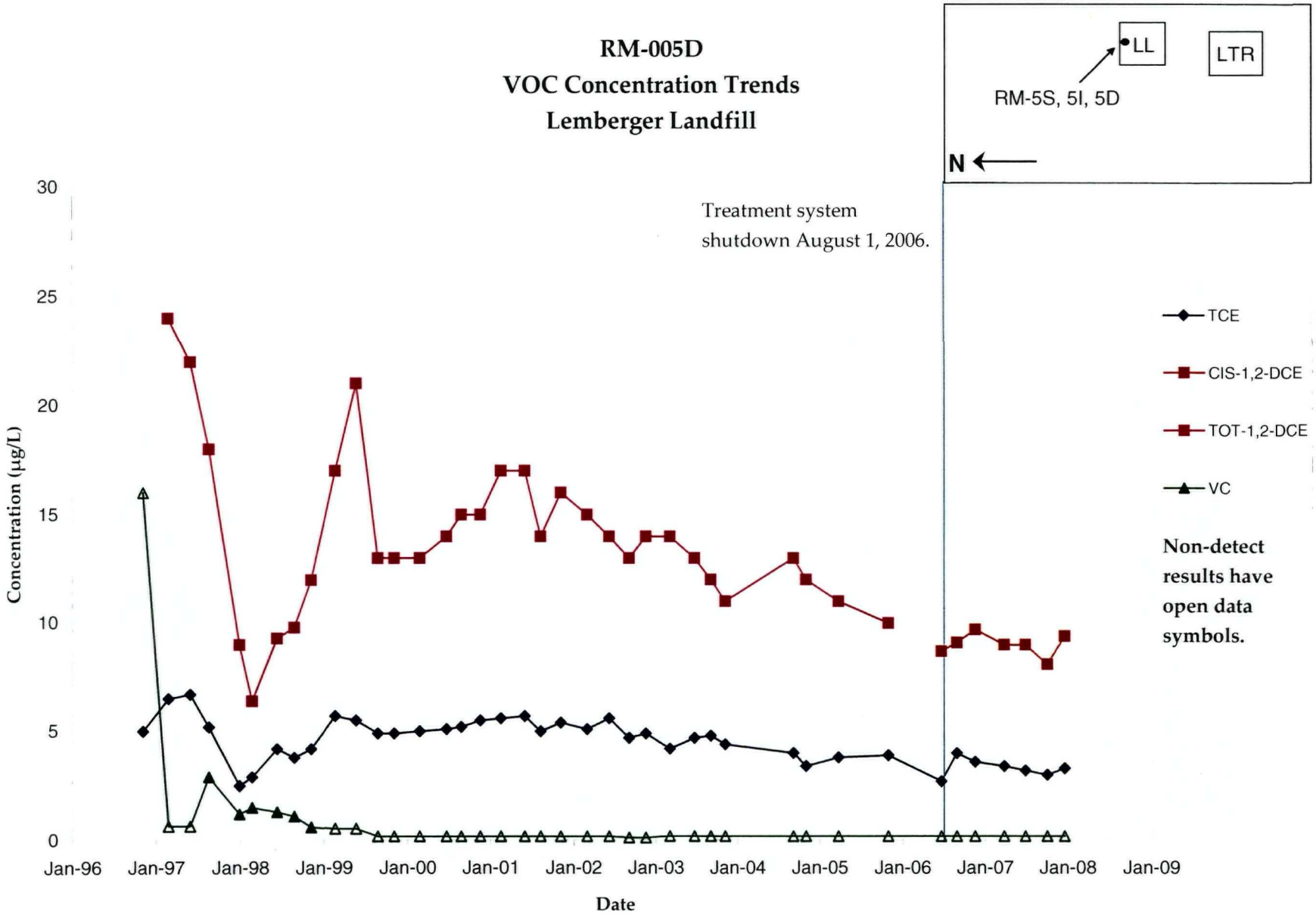

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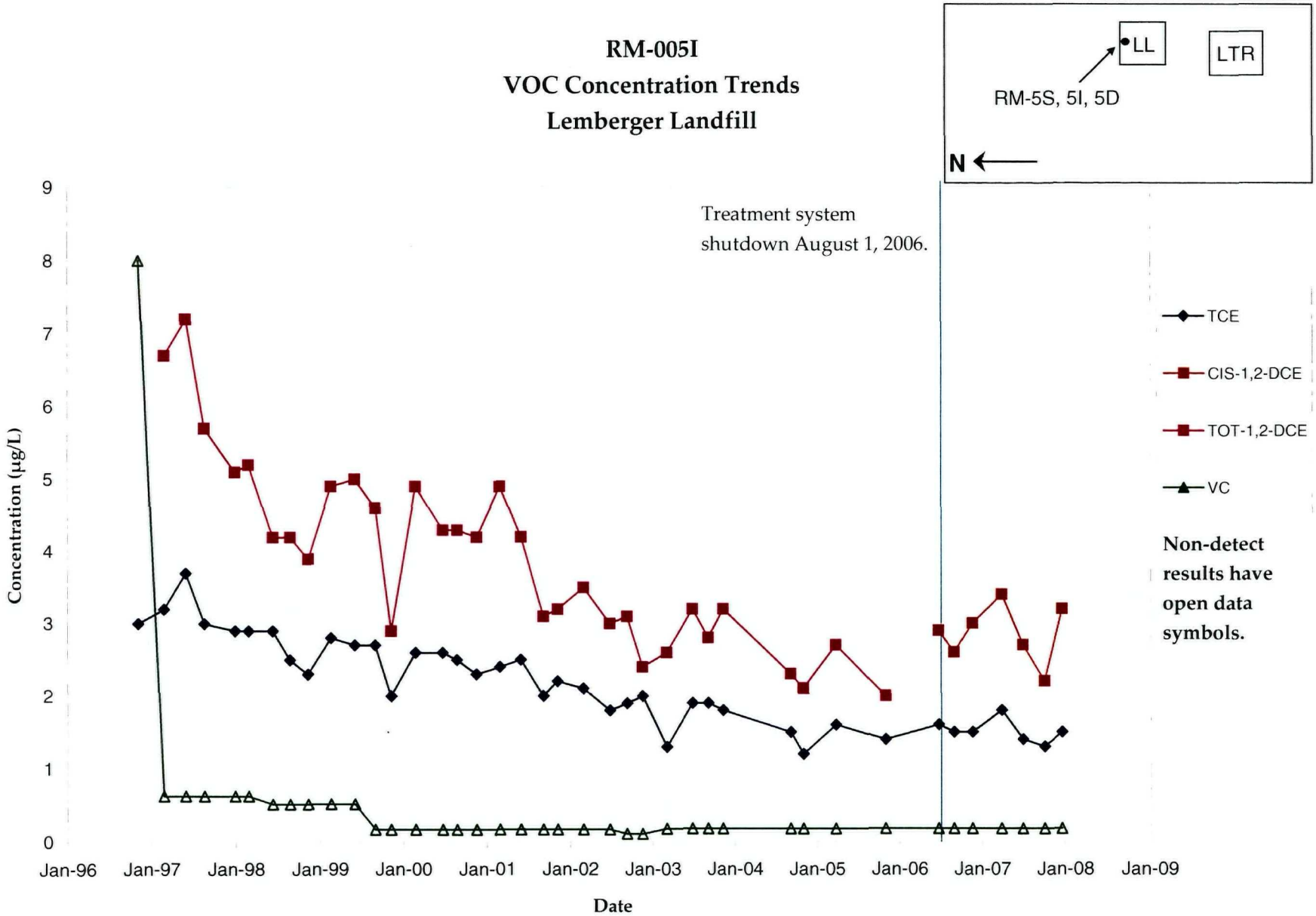
RM-005I
VOC Concentration Trends
Lemberger Landfill



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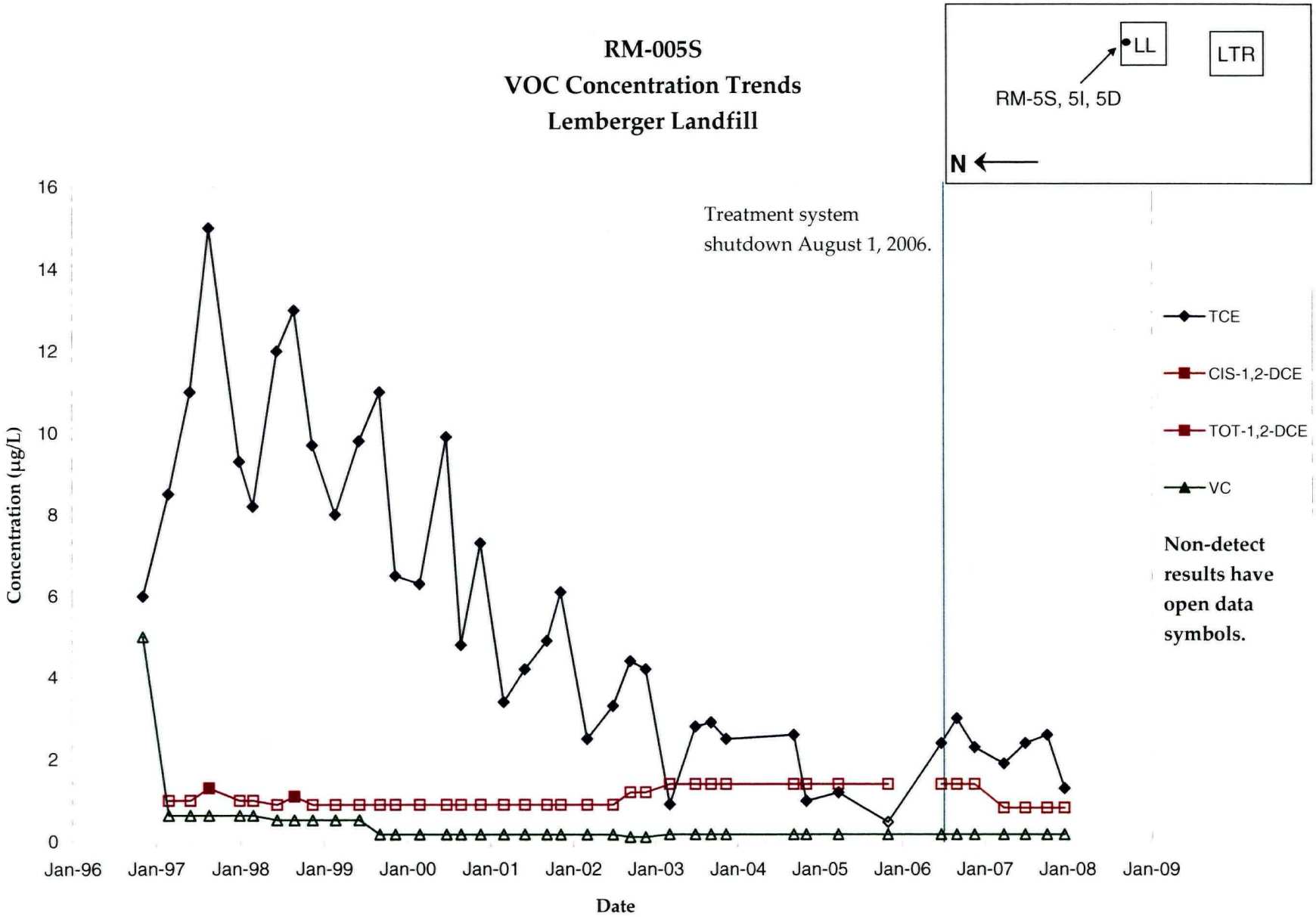

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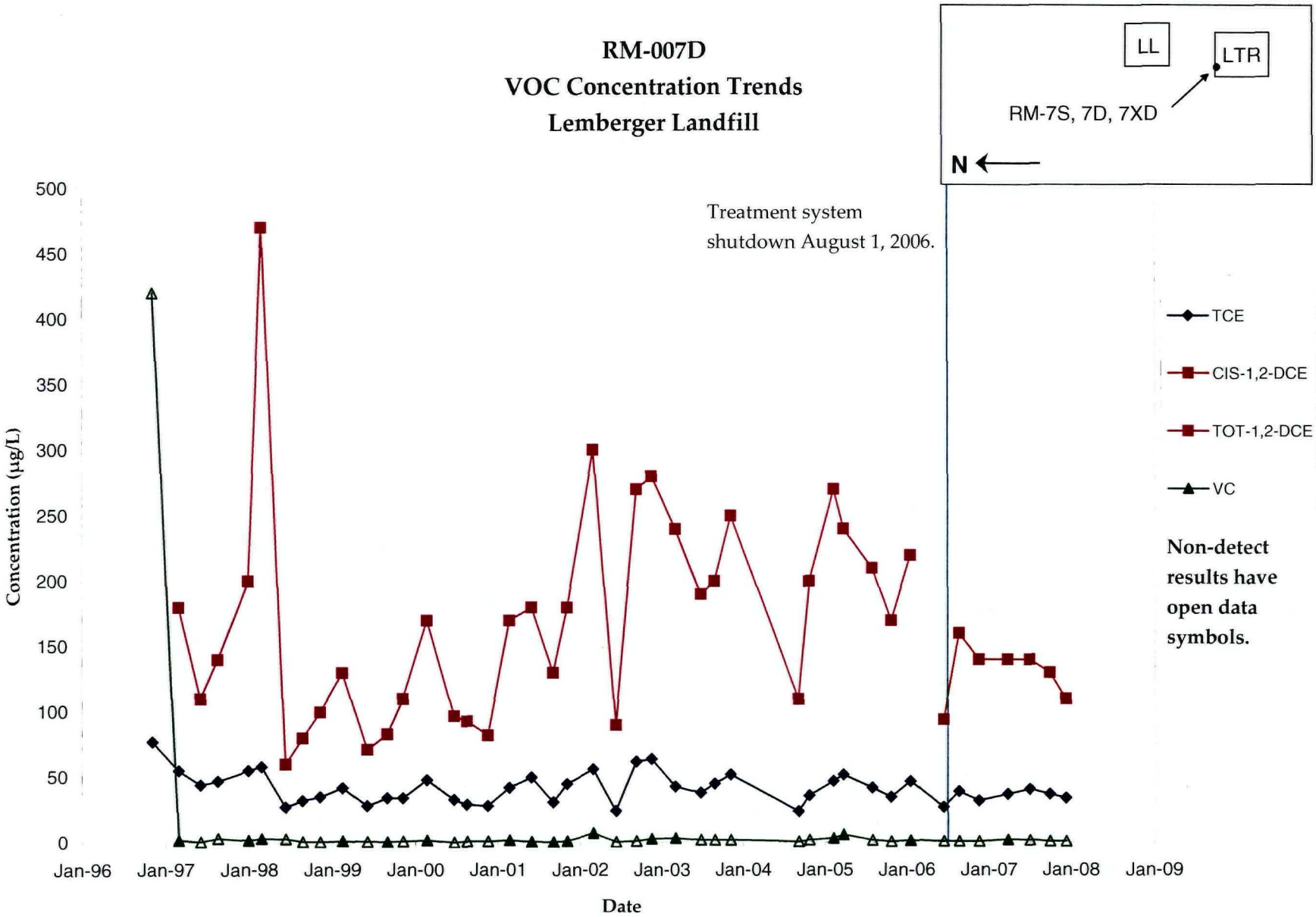
RM-007D
VOC Concentration Trends
Lemberger Landfill



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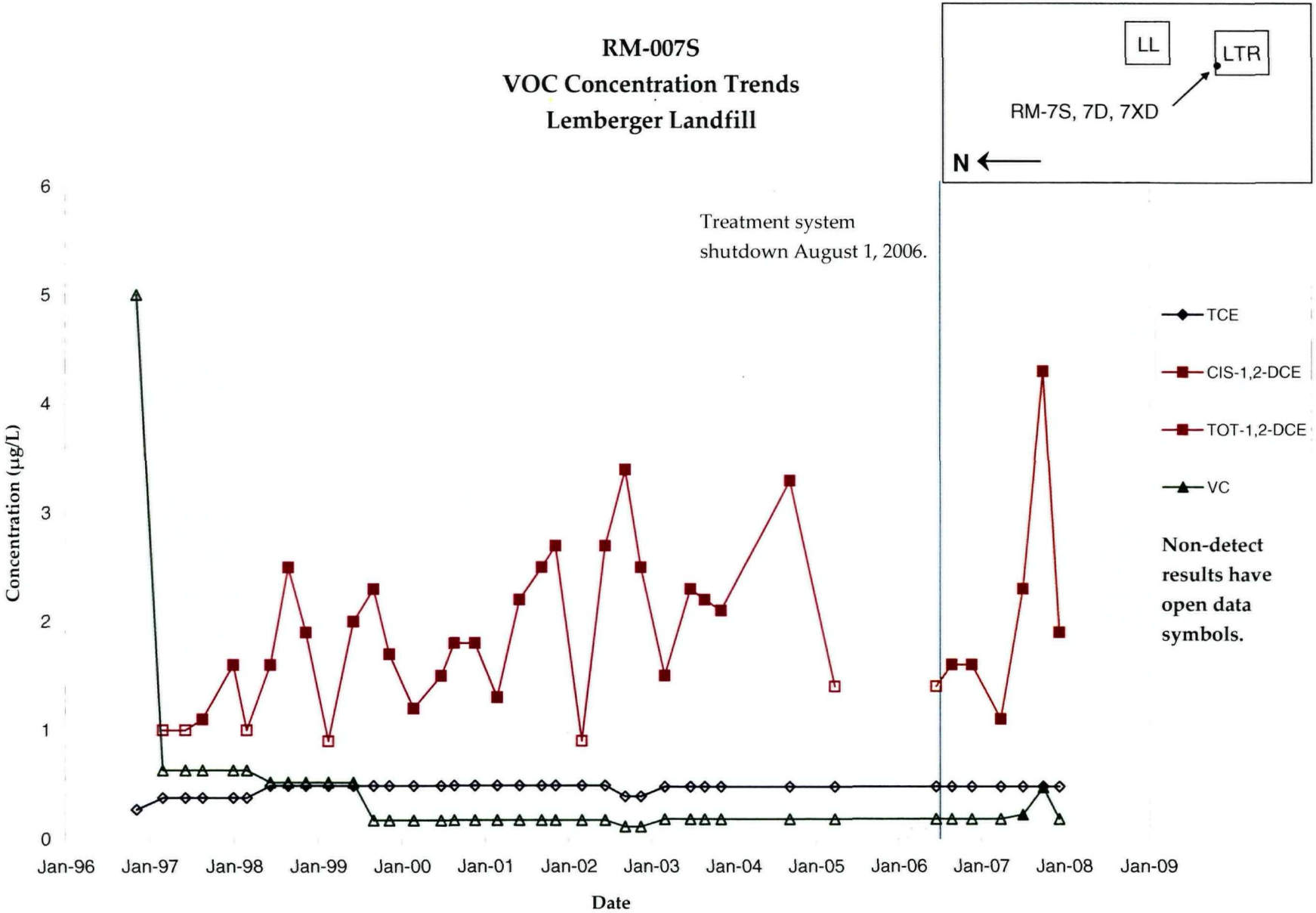
RM-007S
VOC Concentration Trends
Lemberger Landfill



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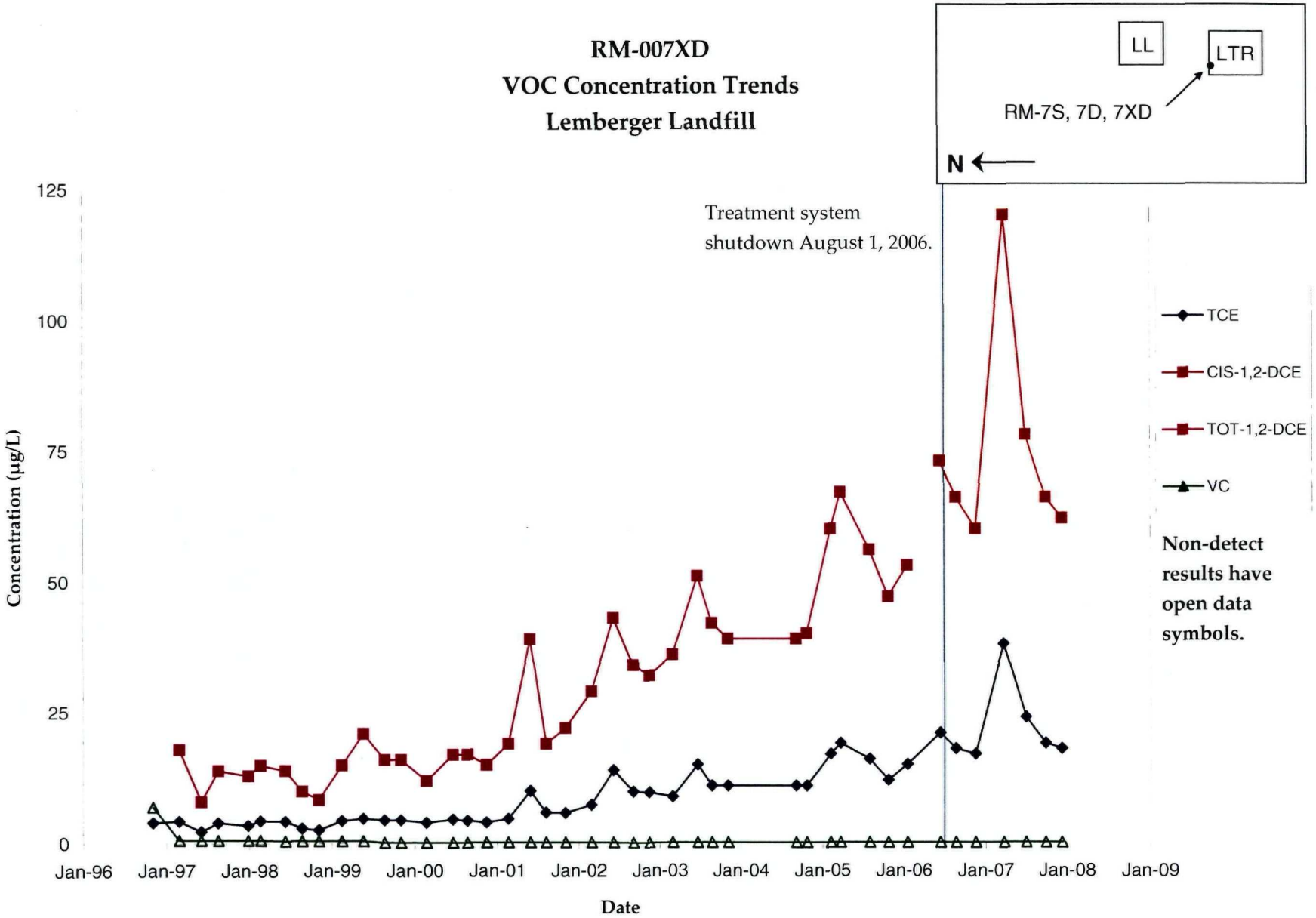

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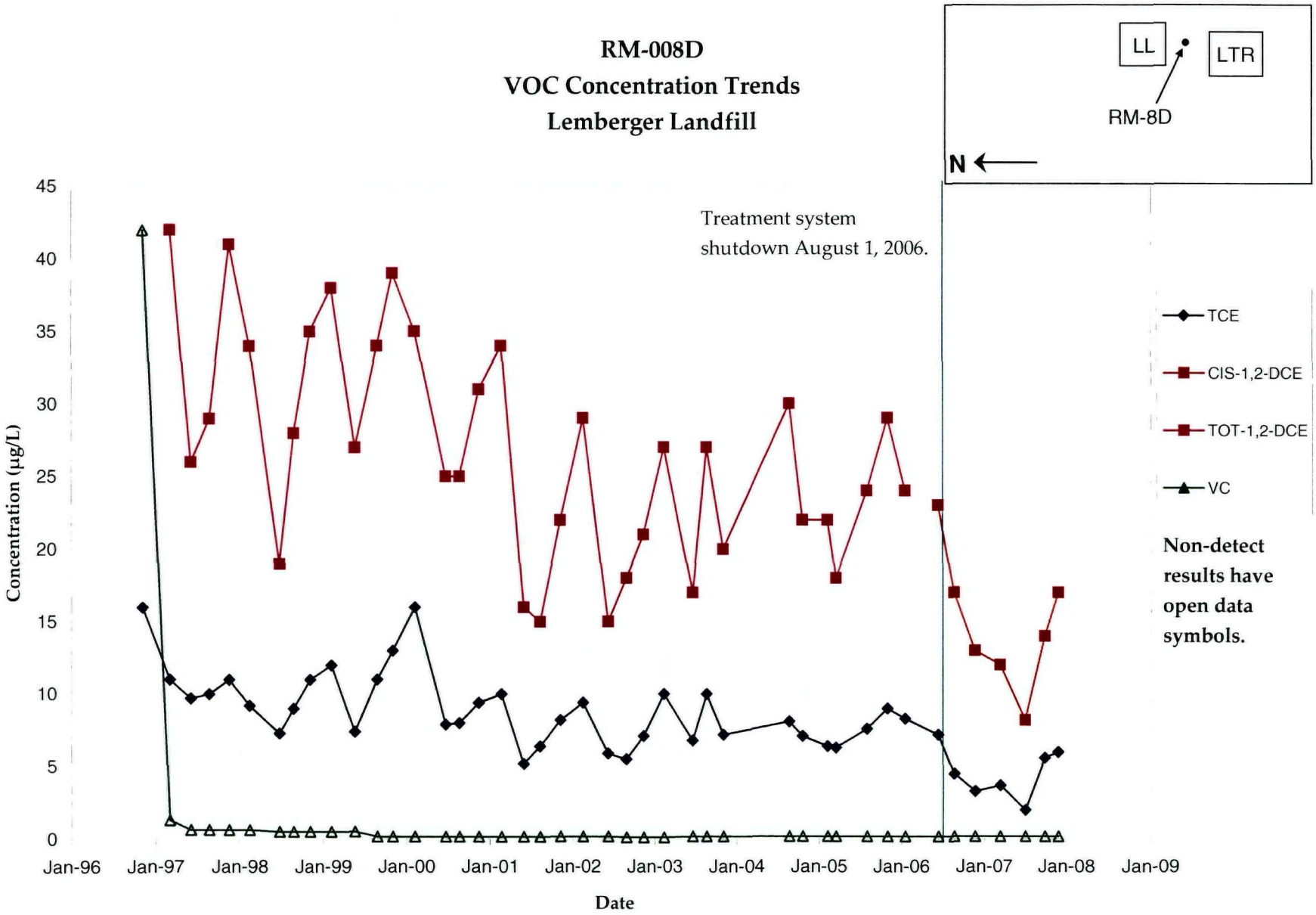
RM-008D
VOC Concentration Trends
Lemberger Landfill



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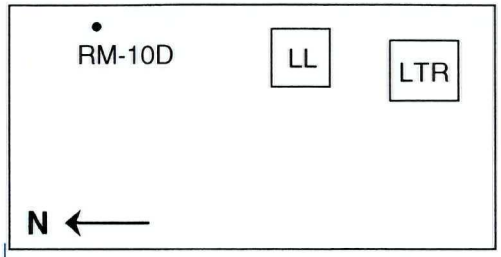
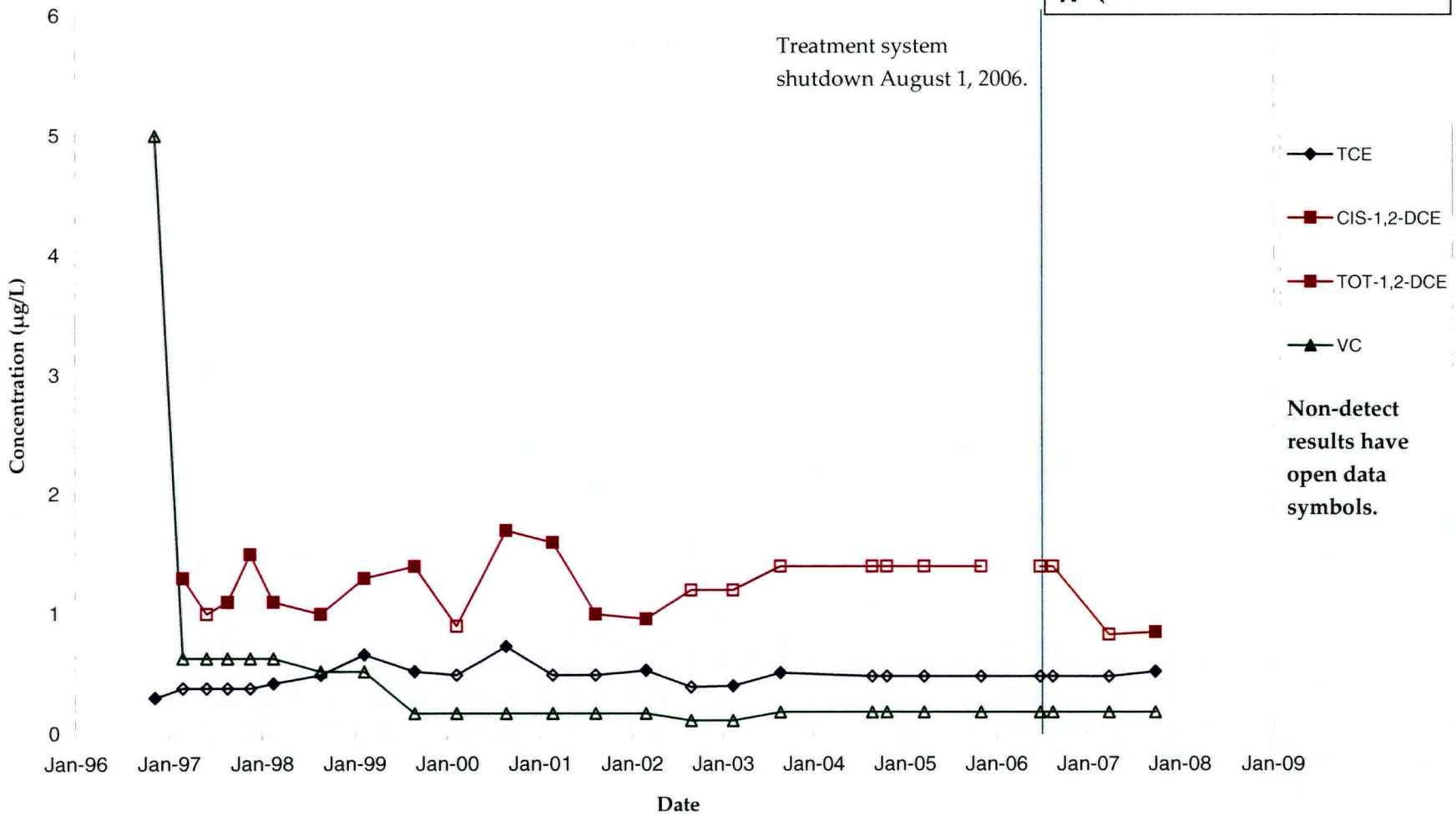
RM-010D
VOC Concentration Trends
Lemberger Landfill





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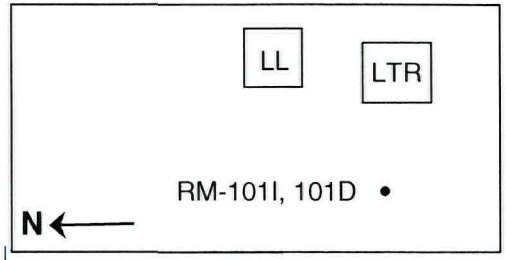
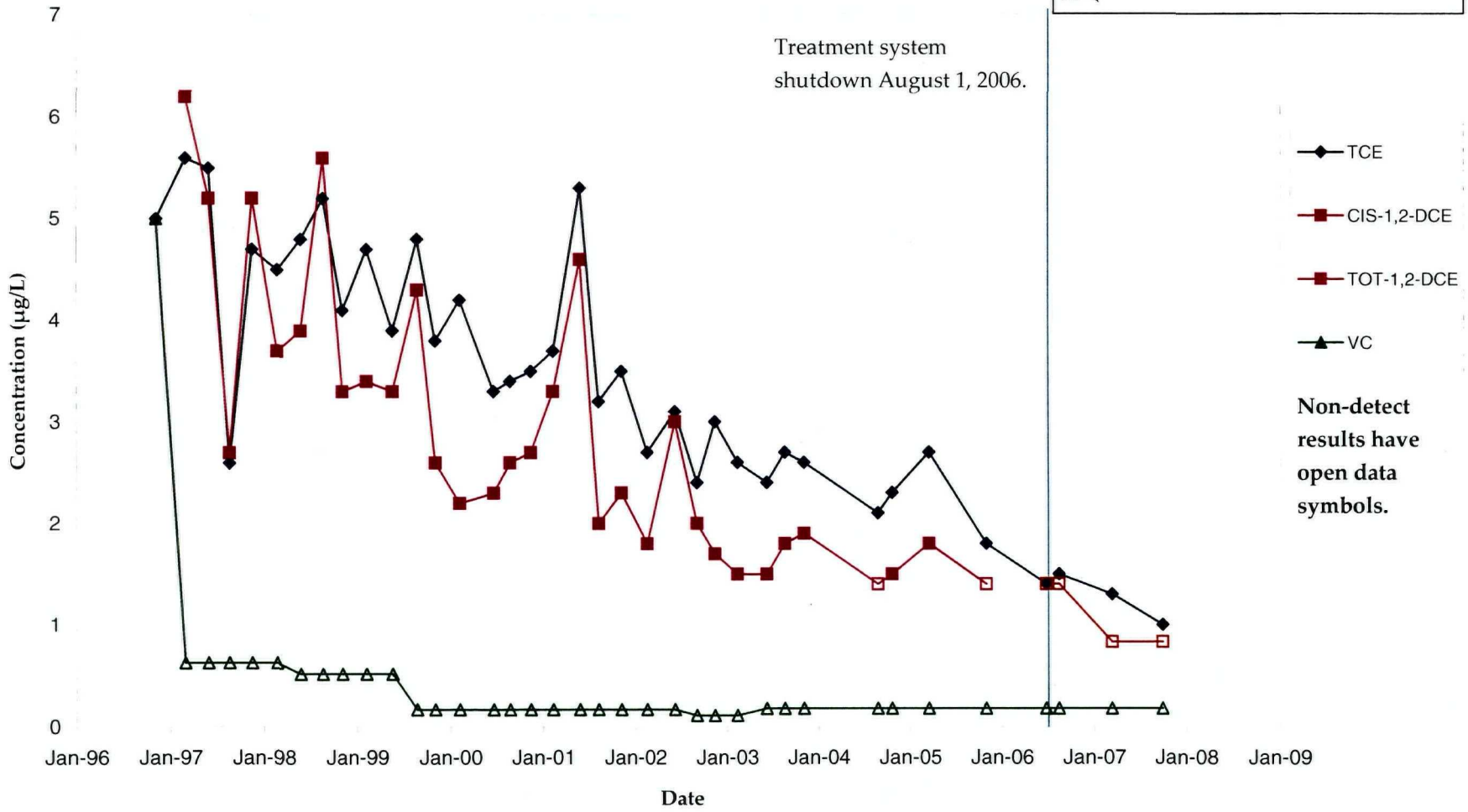
RM-101D
VOC Concentration Trends
Lemberger Landfill





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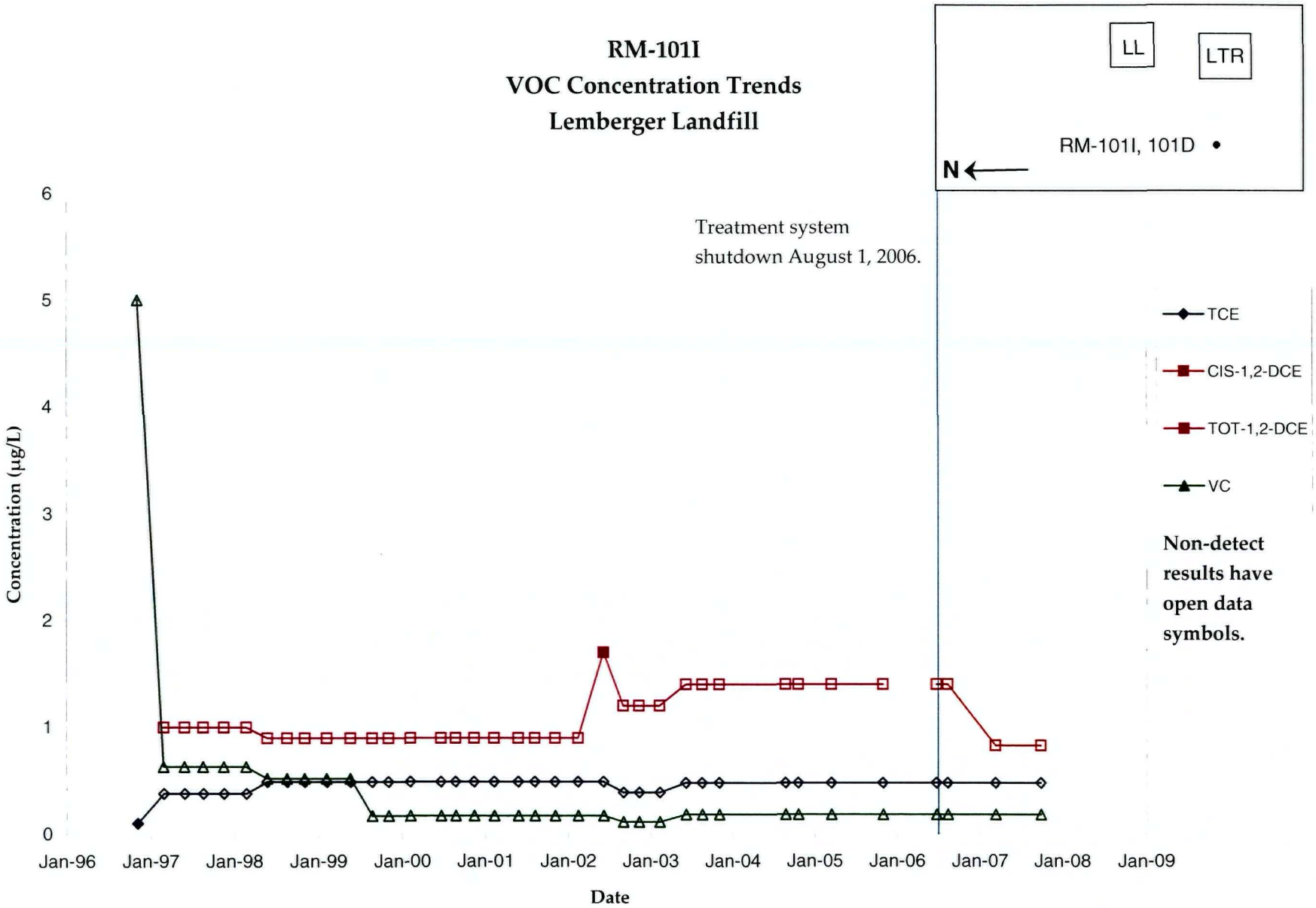
RM-101I
VOC Concentration Trends
Lemberger Landfill



136

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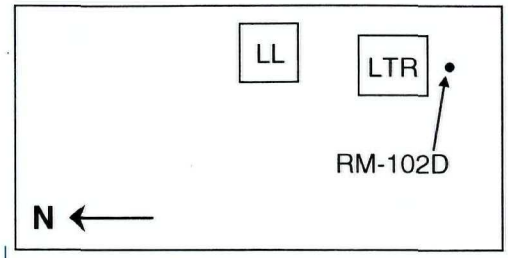
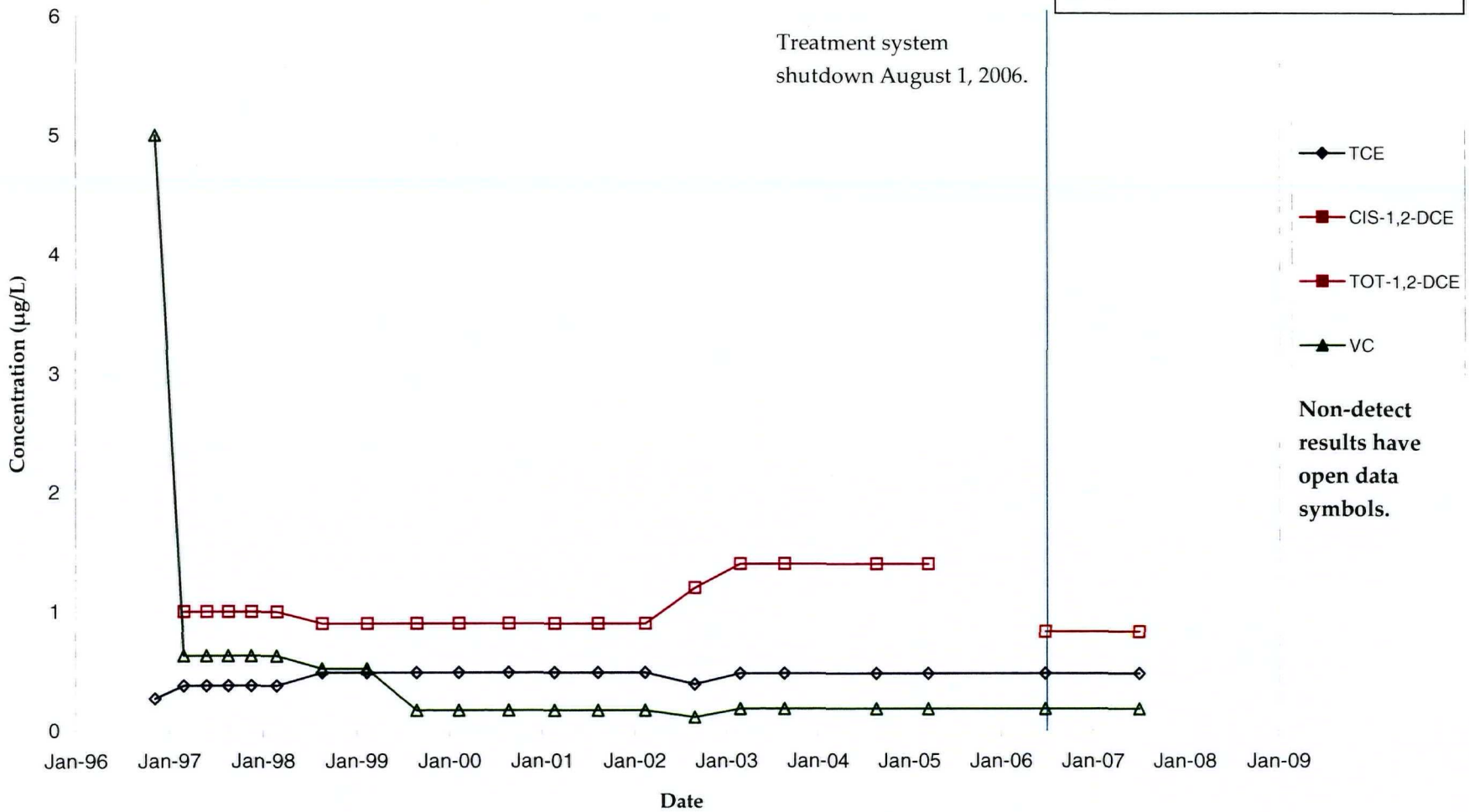
RM-102D
VOC Concentration Trends
Lemberger Landfill





137

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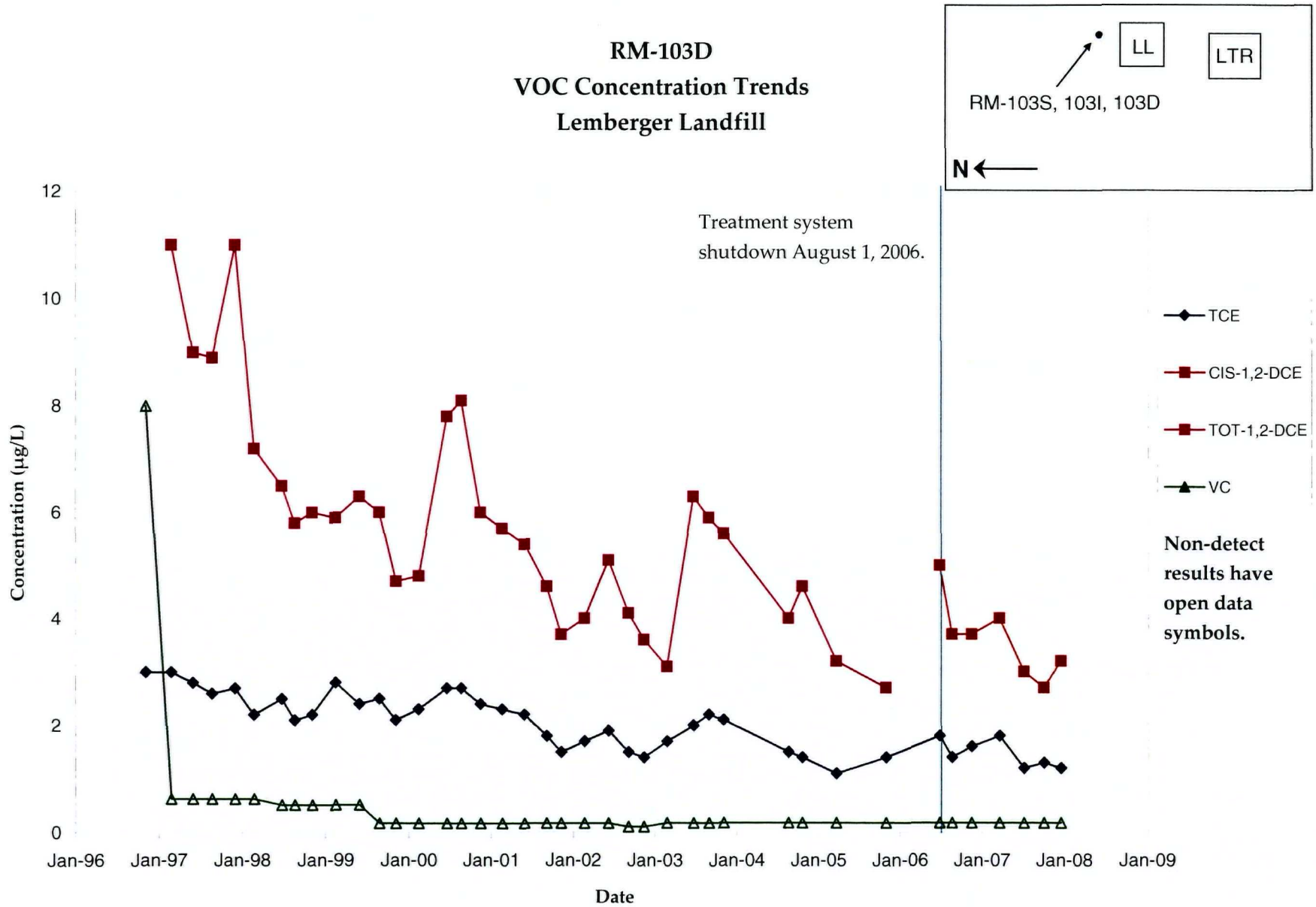

138

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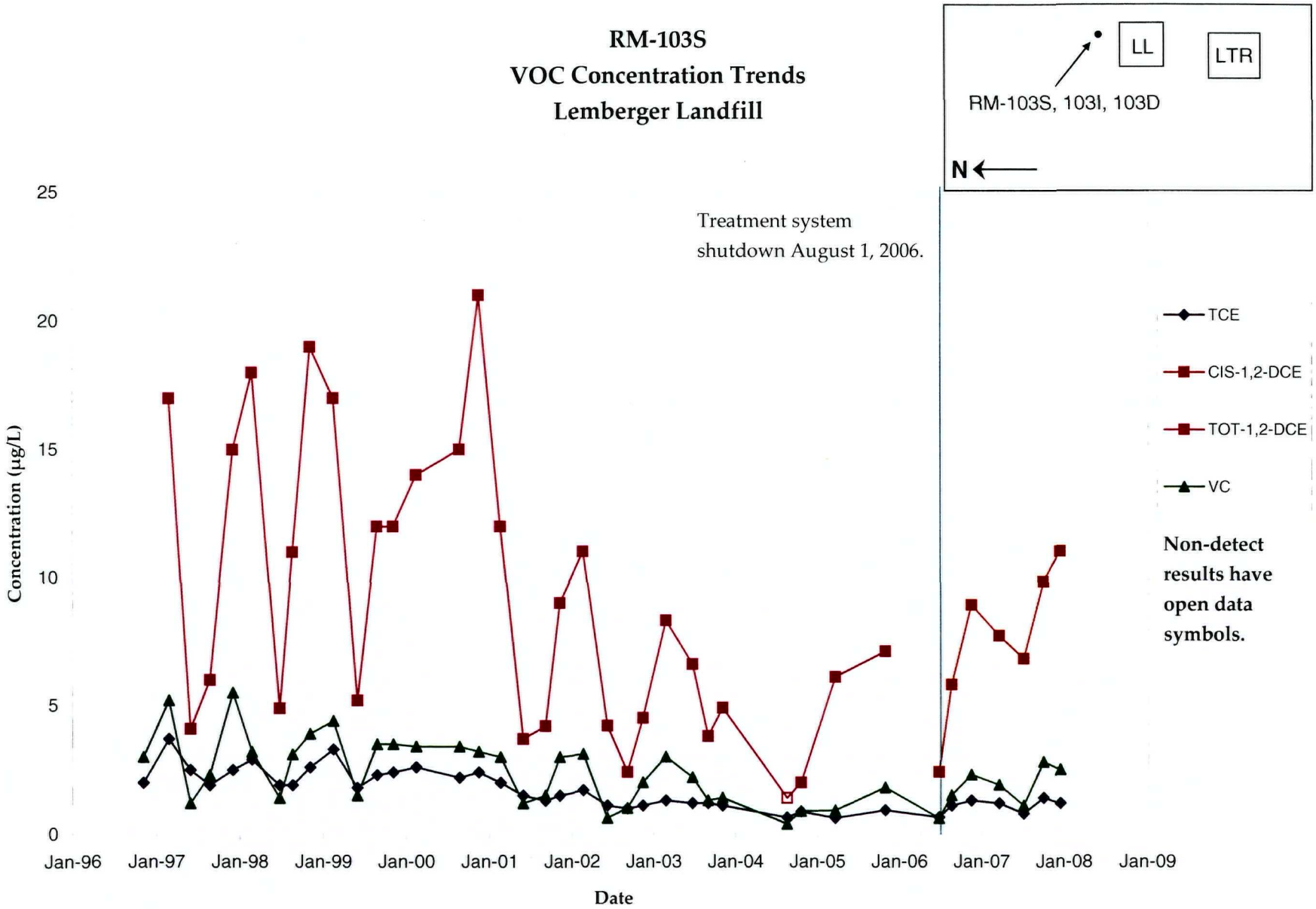
RM-103S
VOC Concentration Trends
Lemberger Landfill



139

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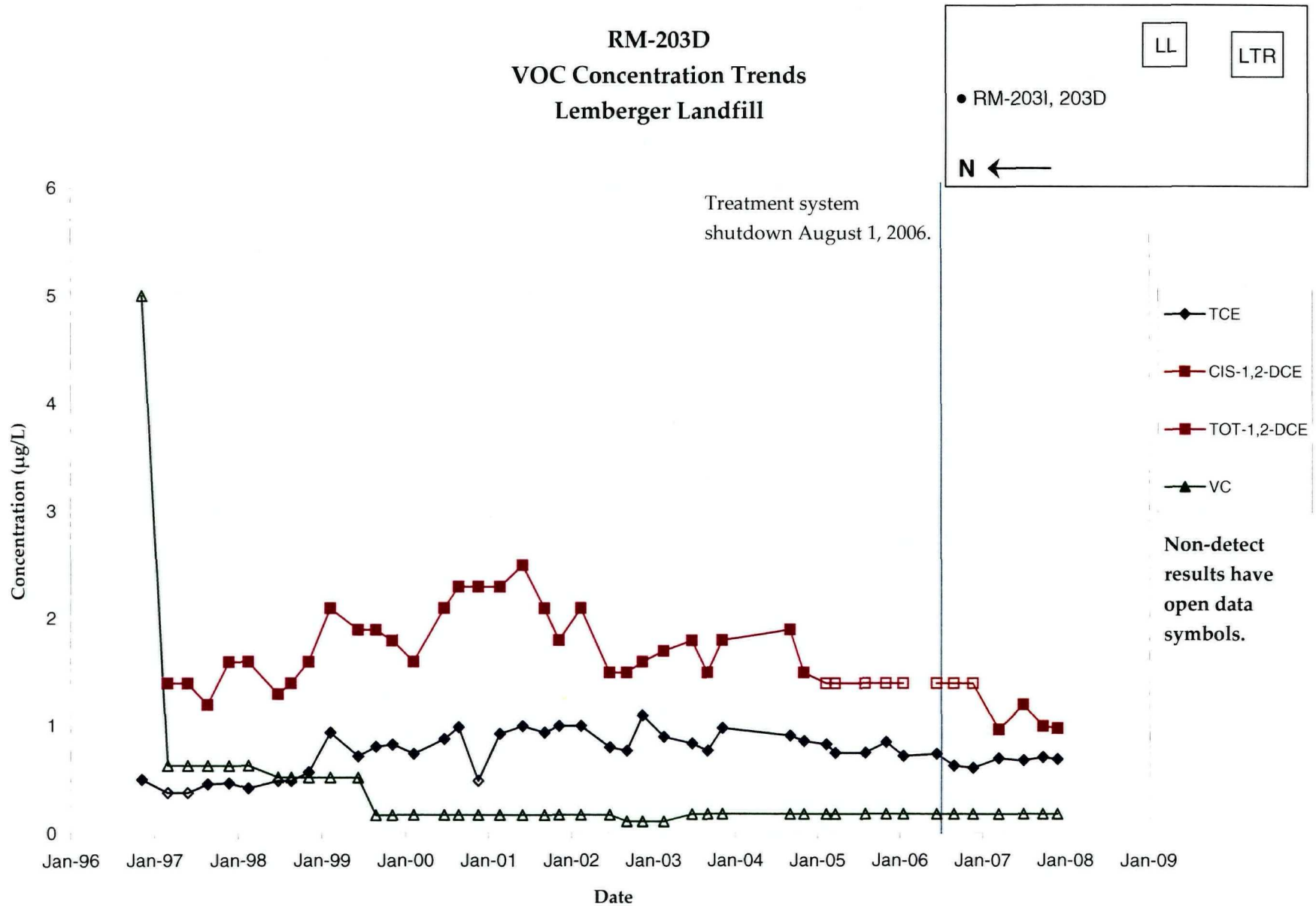
RM-203D
VOC Concentration Trends
Lemberger Landfill



140

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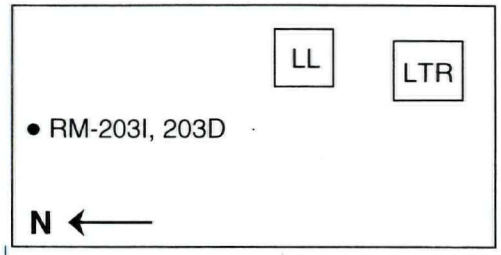
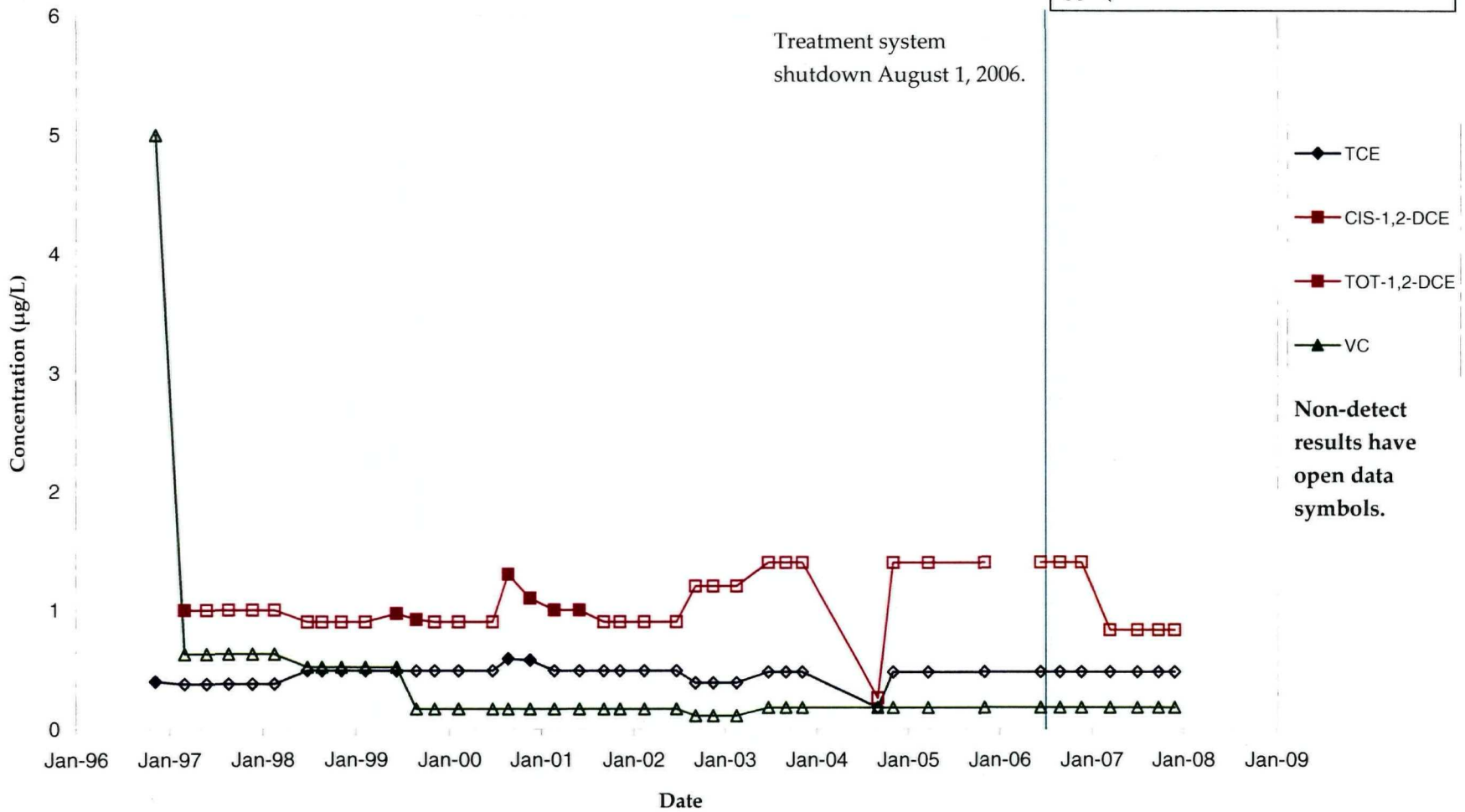
RM-203I
VOC Concentration Trends
Lemberger Landfill





141

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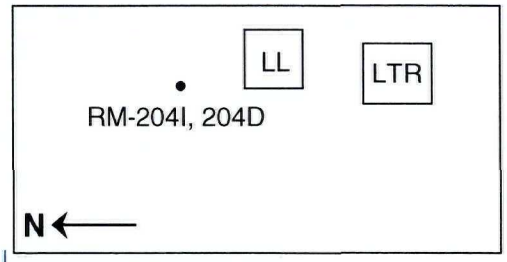
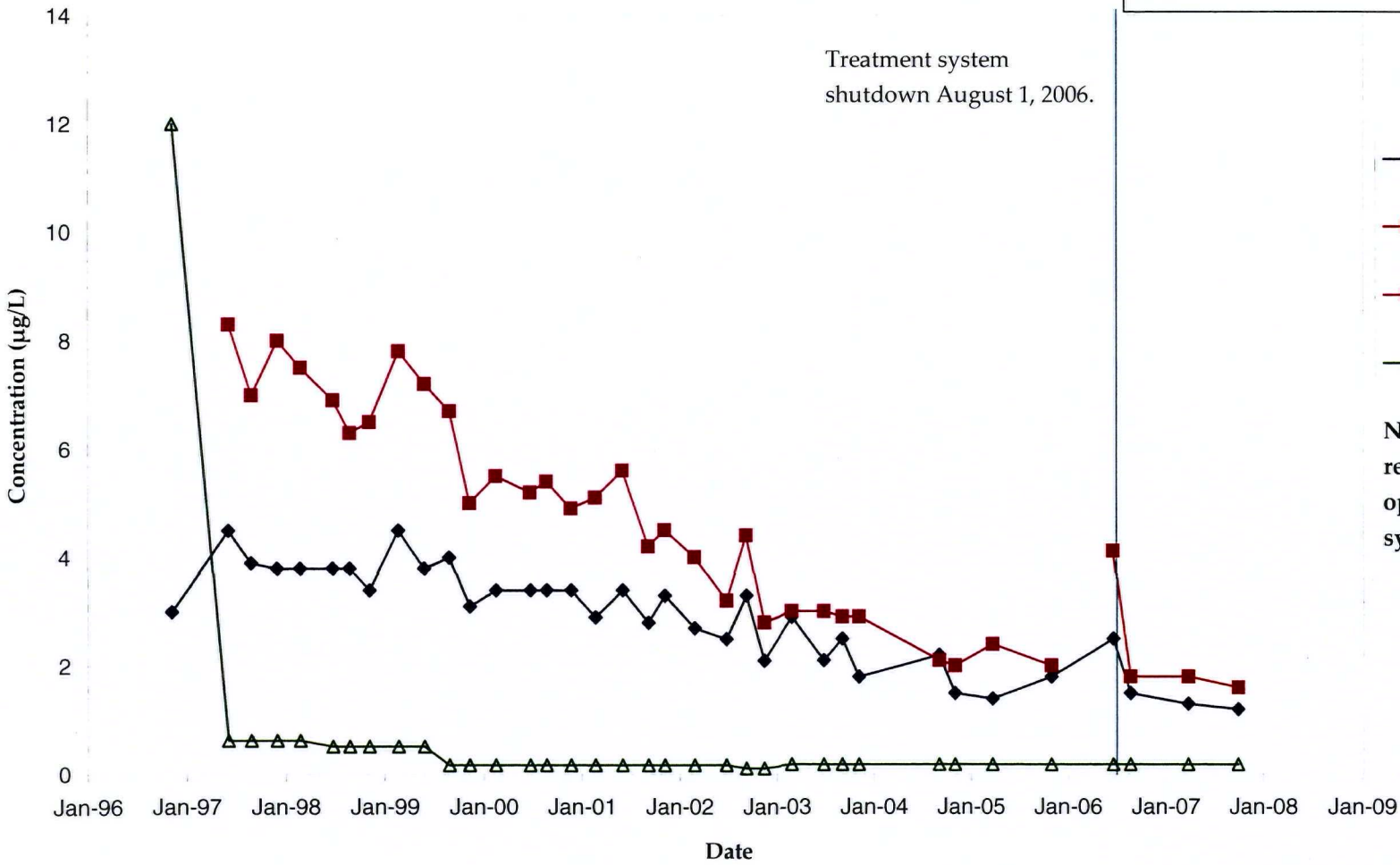
RM-204D
VOC Concentration Trends
Lemberger Landfill



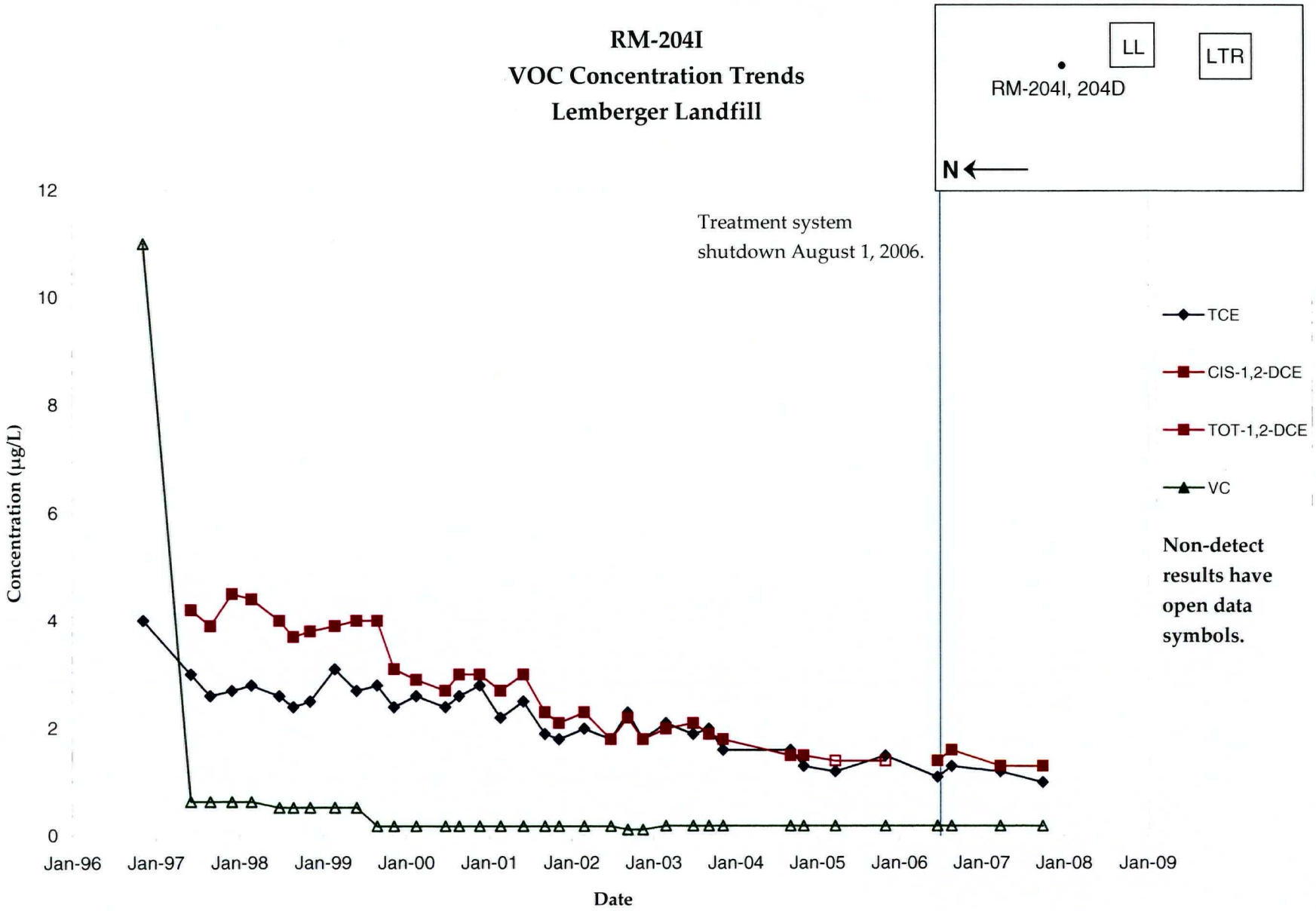


Non-detect results have open data symbols.

142

I:\WPMSN\PJT\00-03457\44\000345744-008.XLS 7/11/2008

RM-204I
VOC Concentration Trends
Lemberger Landfill



143

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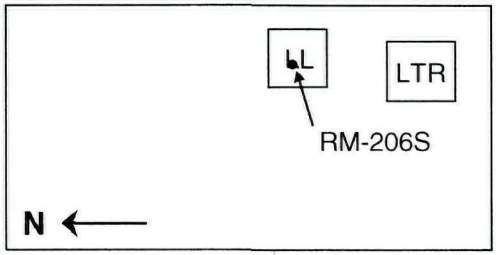
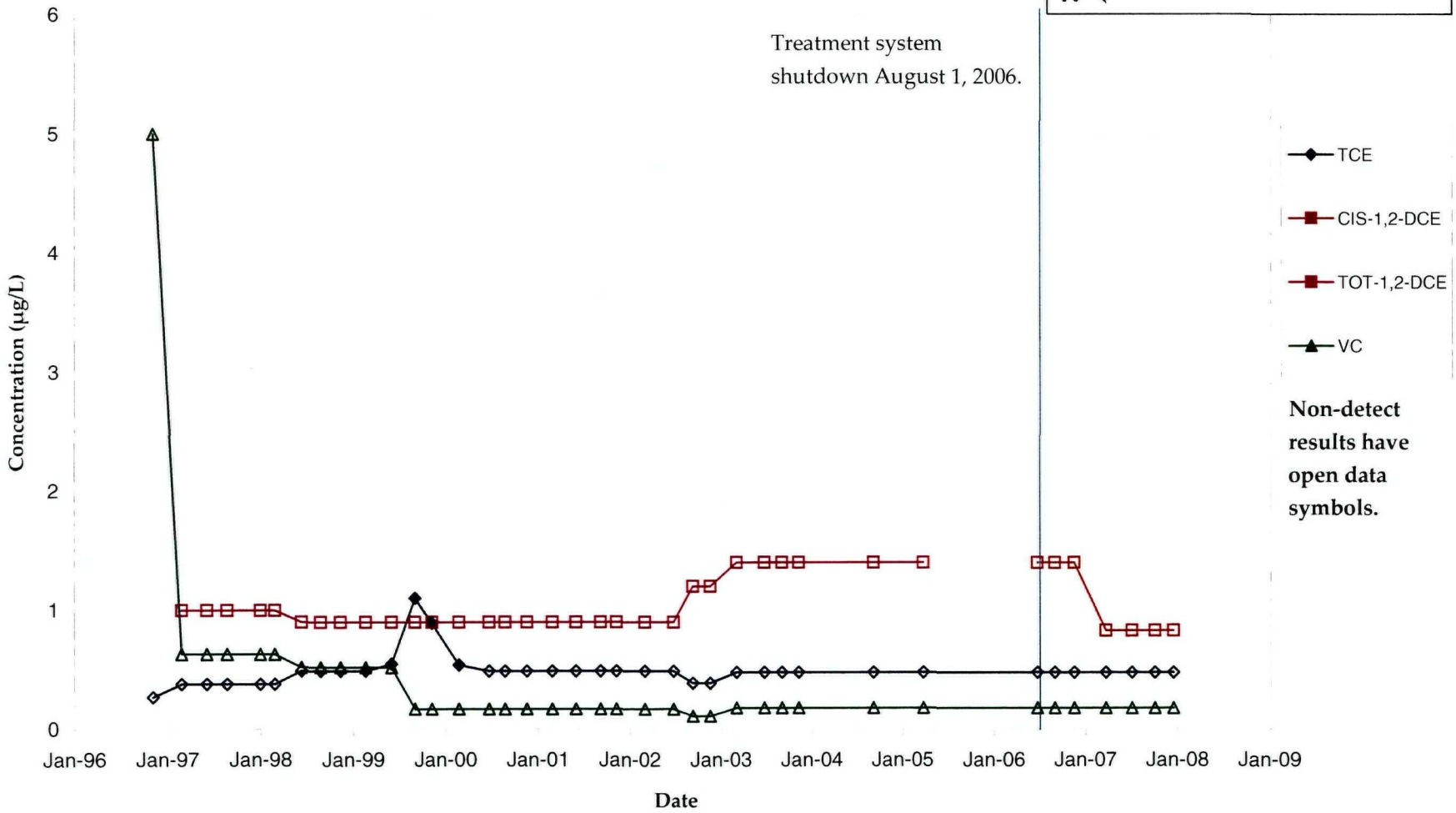
RM-206S
VOC Concentration Trends
Lemberger Landfill





144

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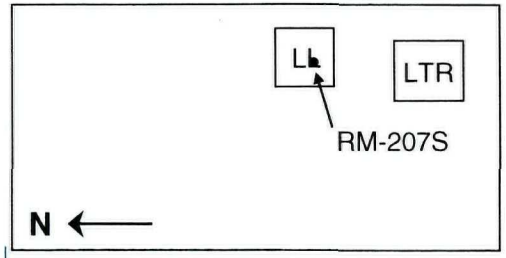
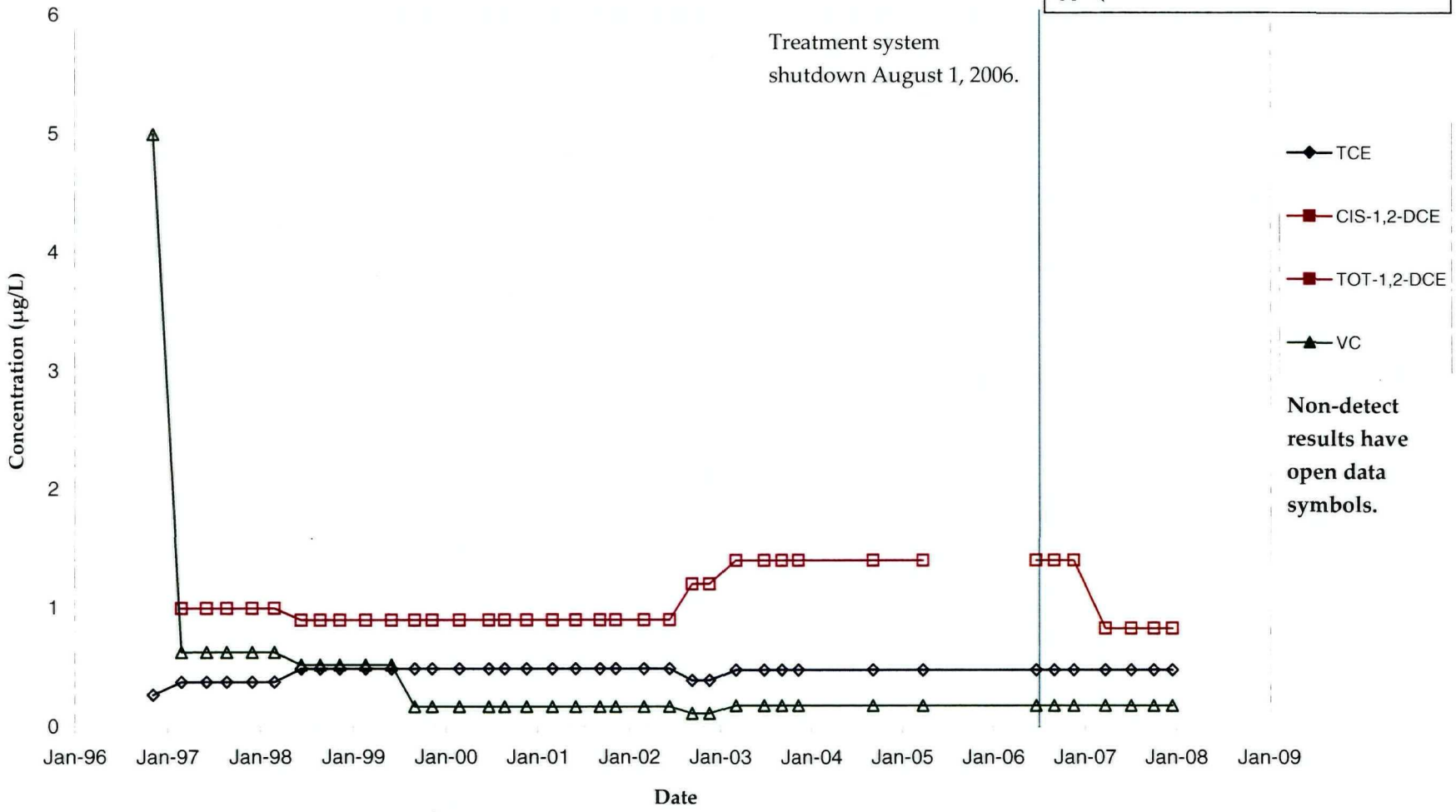
RM-207S
VOC Concentration Trends
Lemberger Landfill





145

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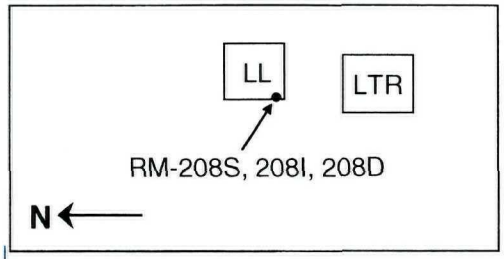
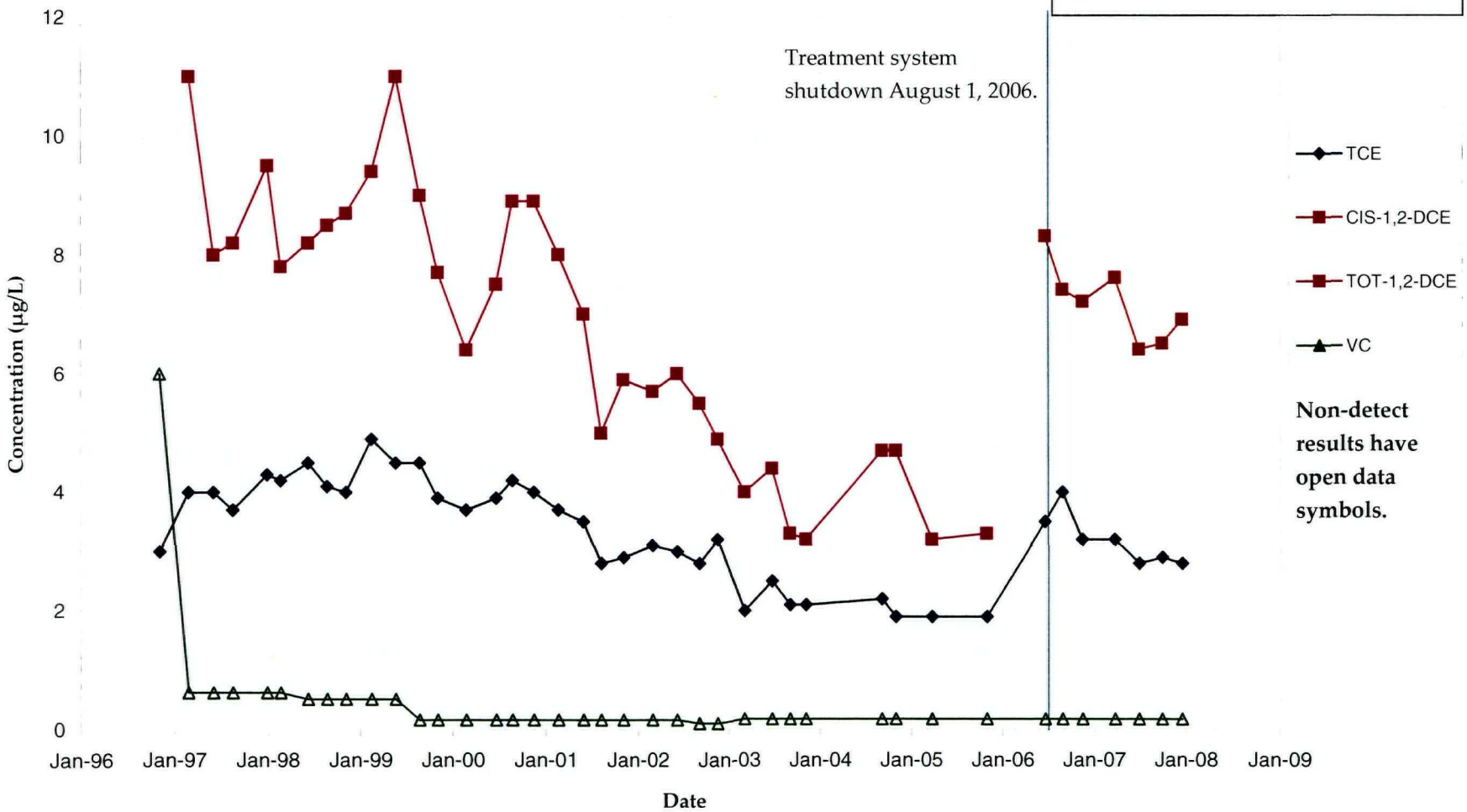
RM-208D
VOC Concentration Trends
Lemberger Landfill





146

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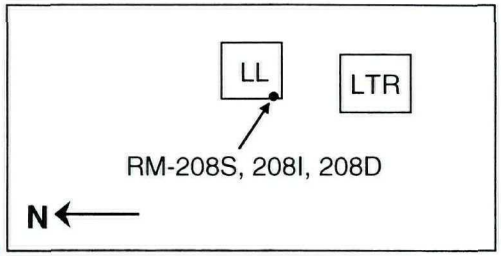
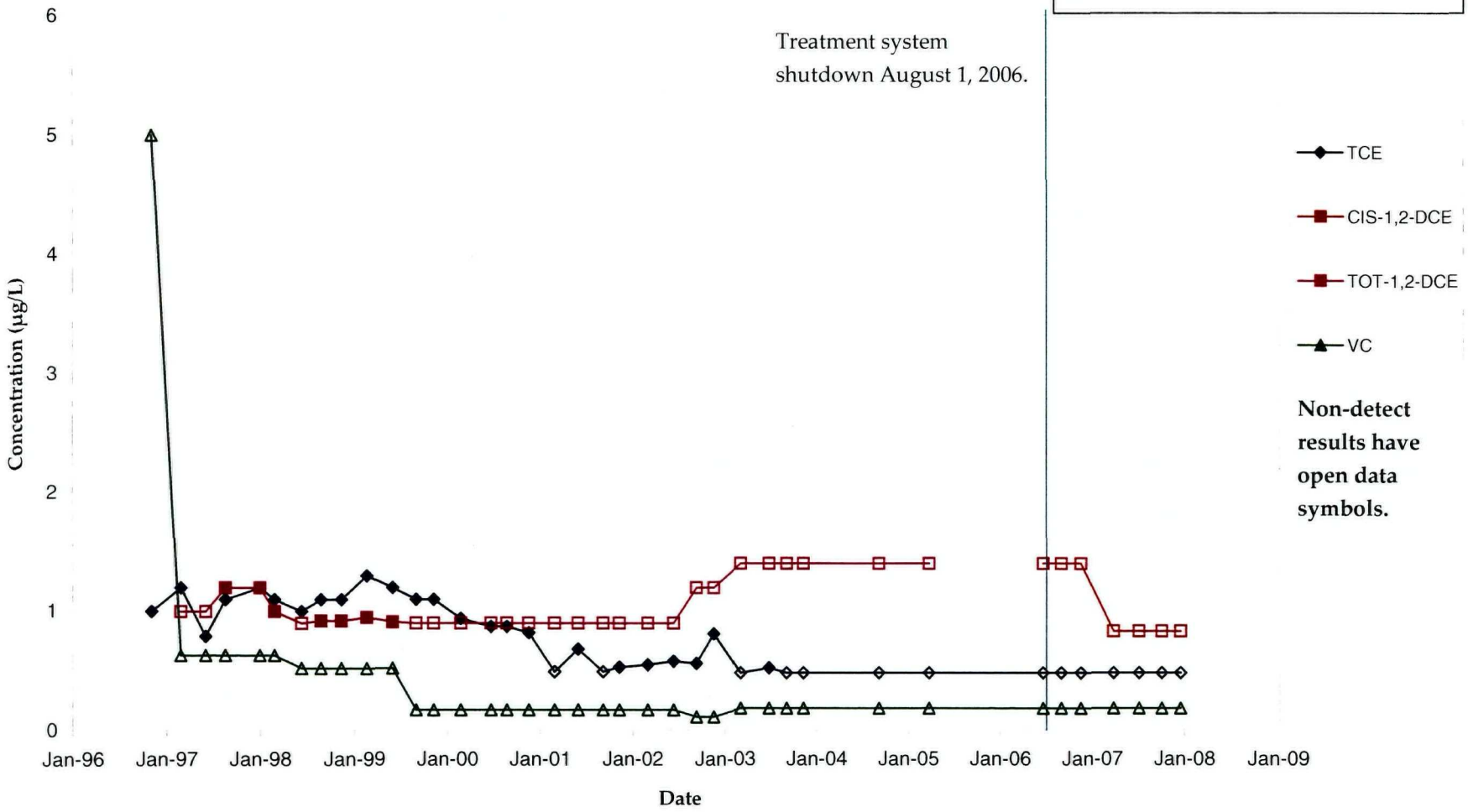
RM-208I
VOC Concentration Trends
Lemberger Landfill





147

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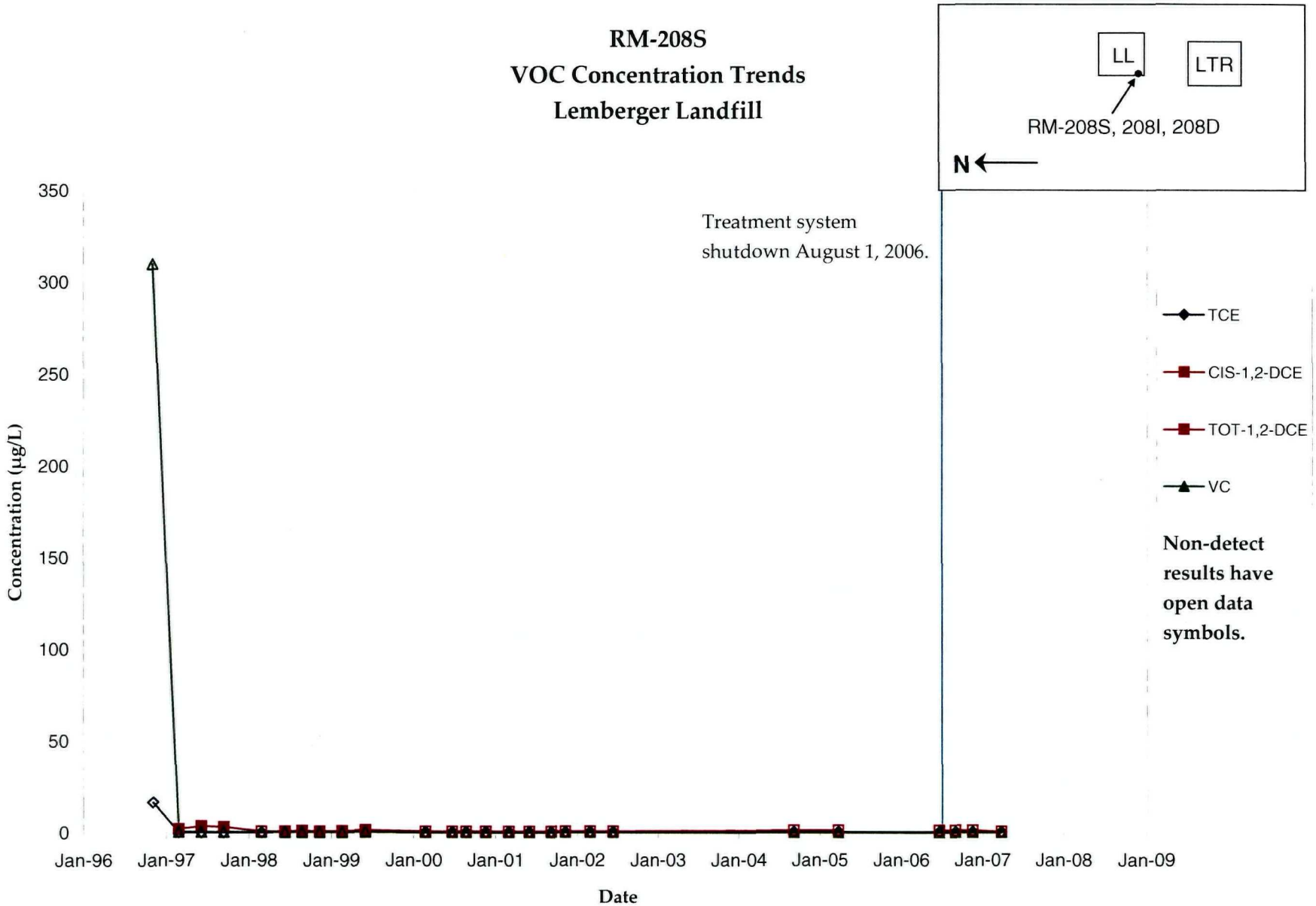
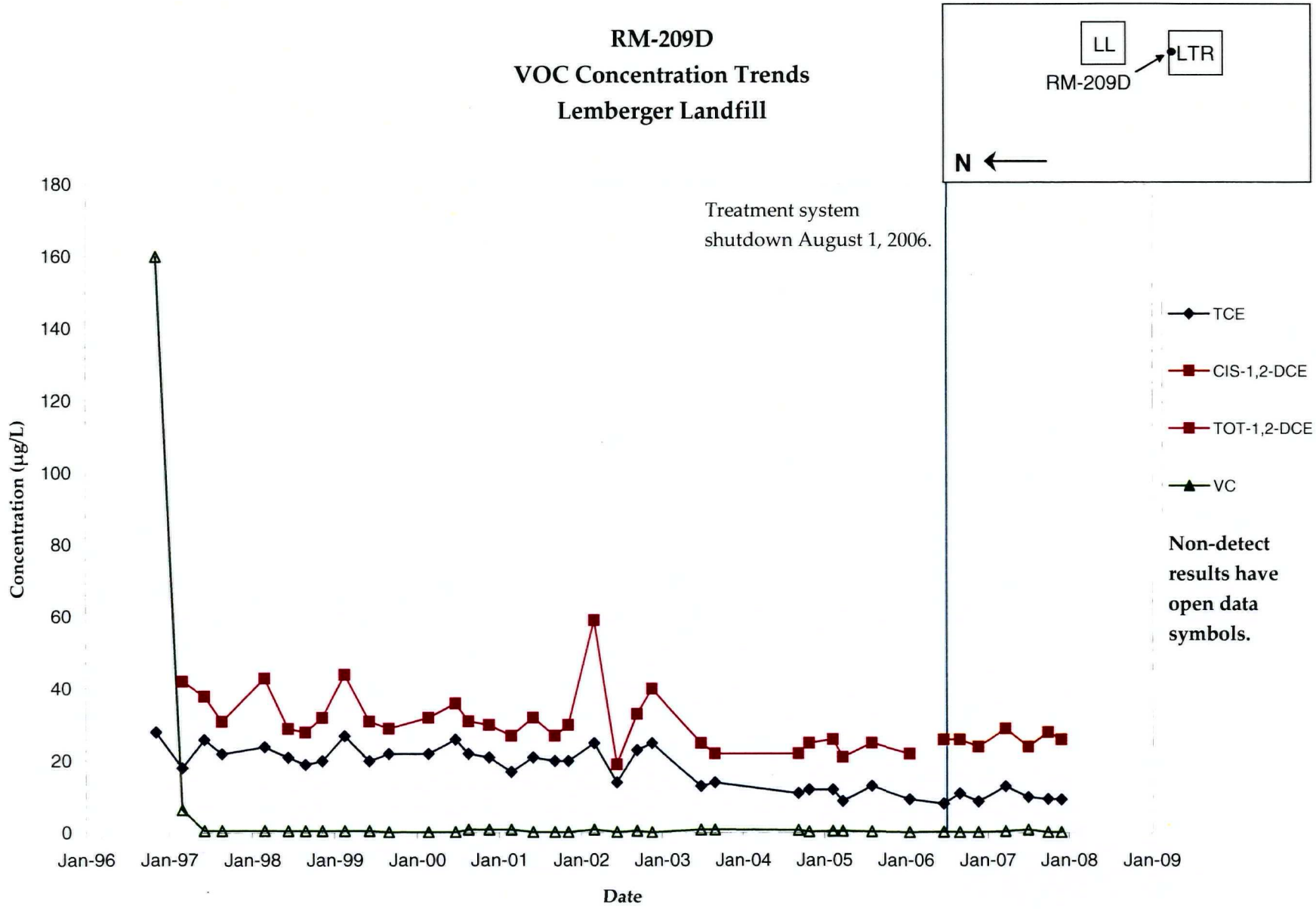
RM-208S
VOC Concentration Trends
Lemberger Landfill



148

I:\WPMSN\PJT\00-03457\44\000345744-008.XLS 7/11/2008



149

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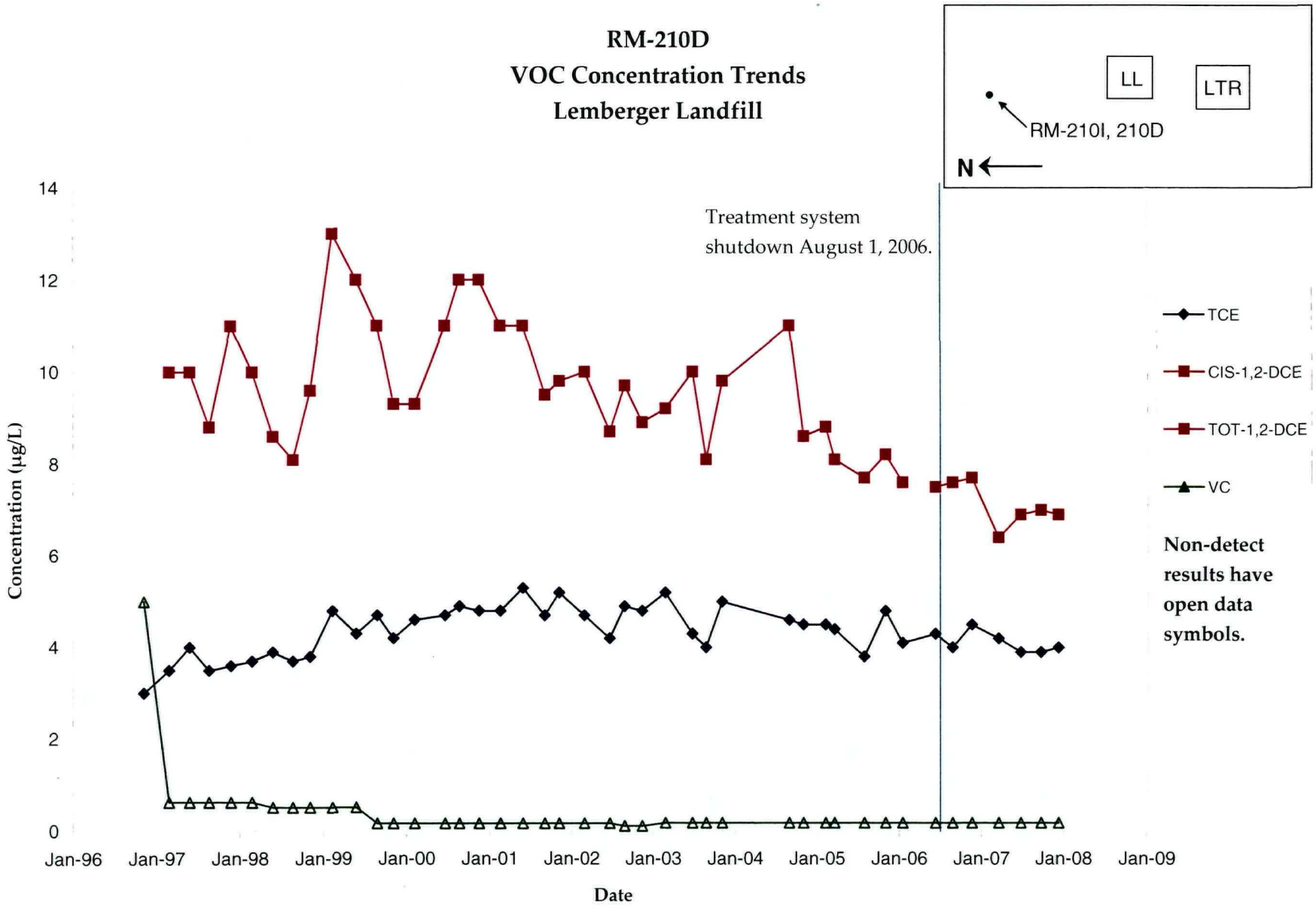

150

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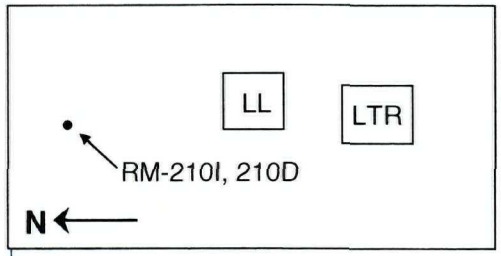
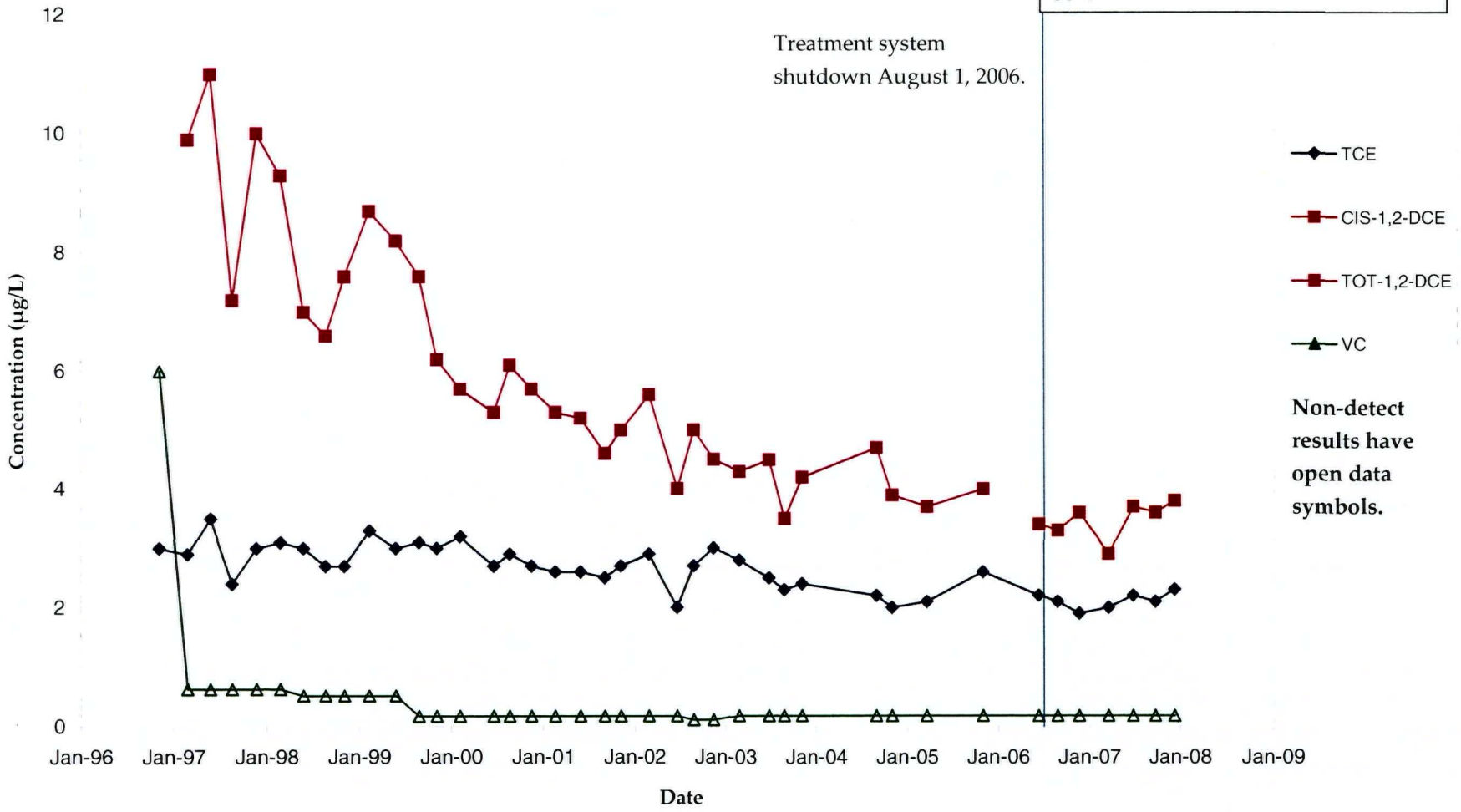
RM-210I
VOC Concentration Trends
Lemberger Landfill





151

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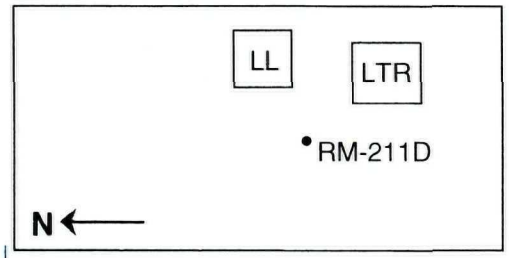
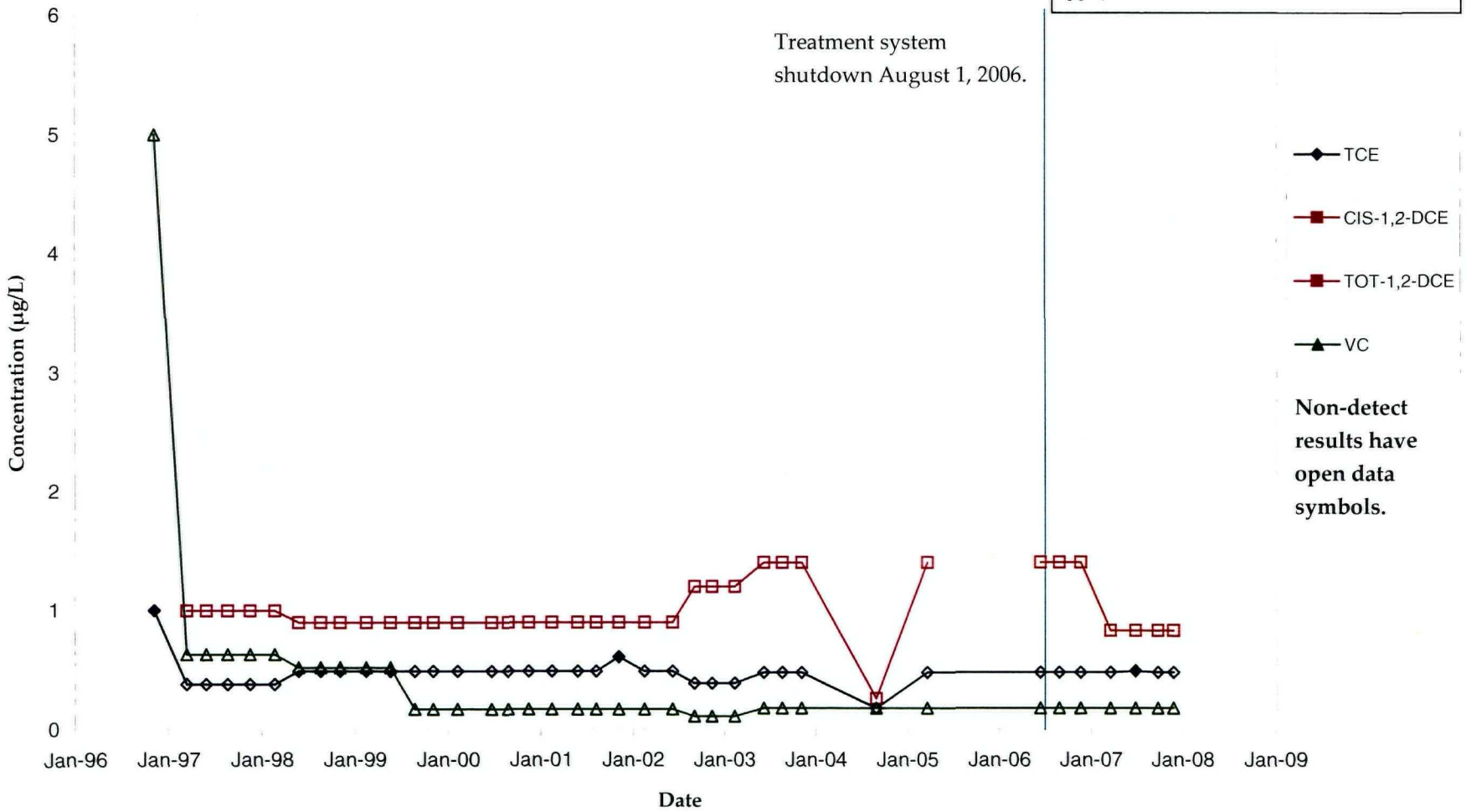
RM-211D
VOC Concentration Trends
Lemberger Landfill





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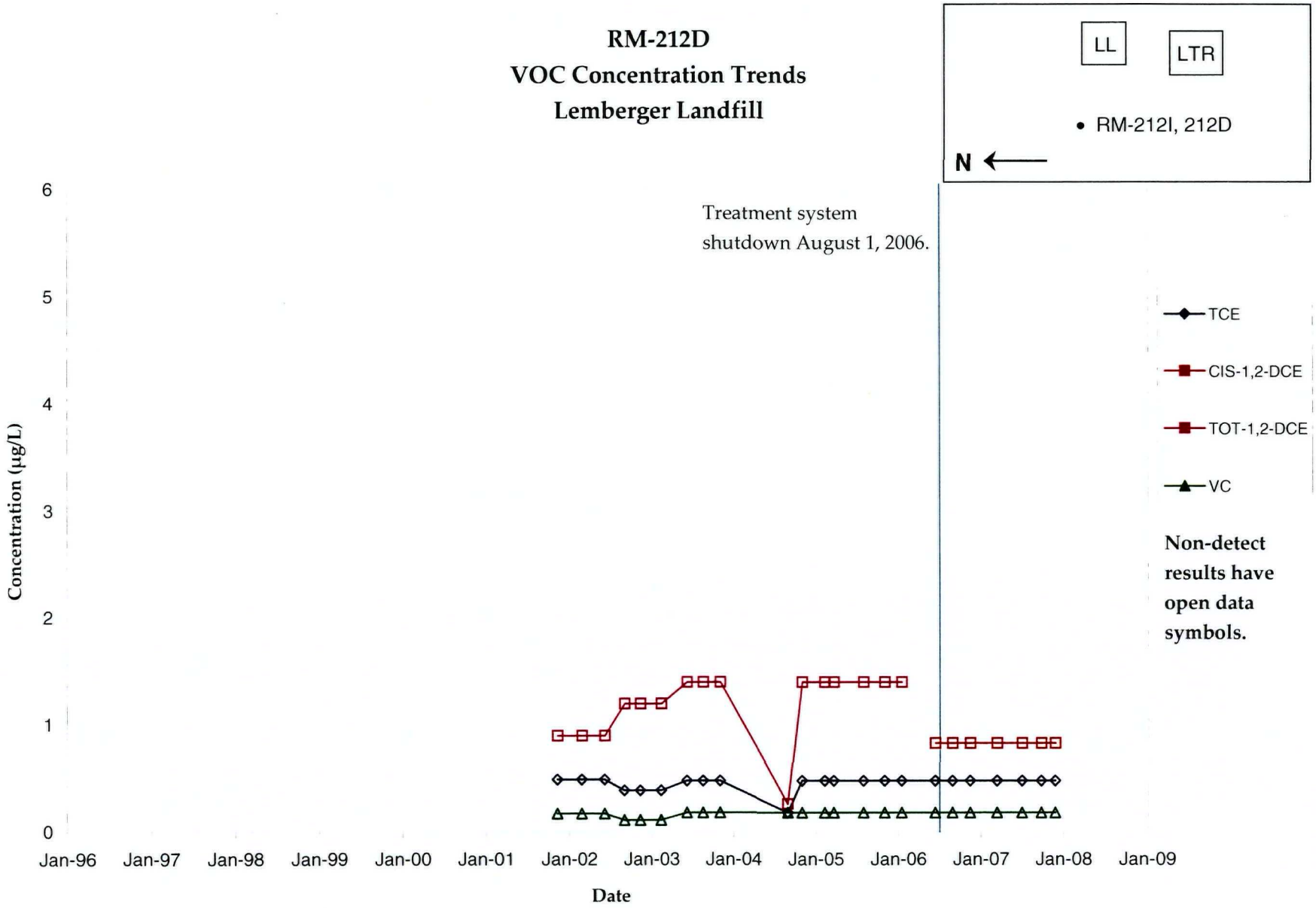
RM-212D
VOC Concentration Trends
Lemberger Landfill



153

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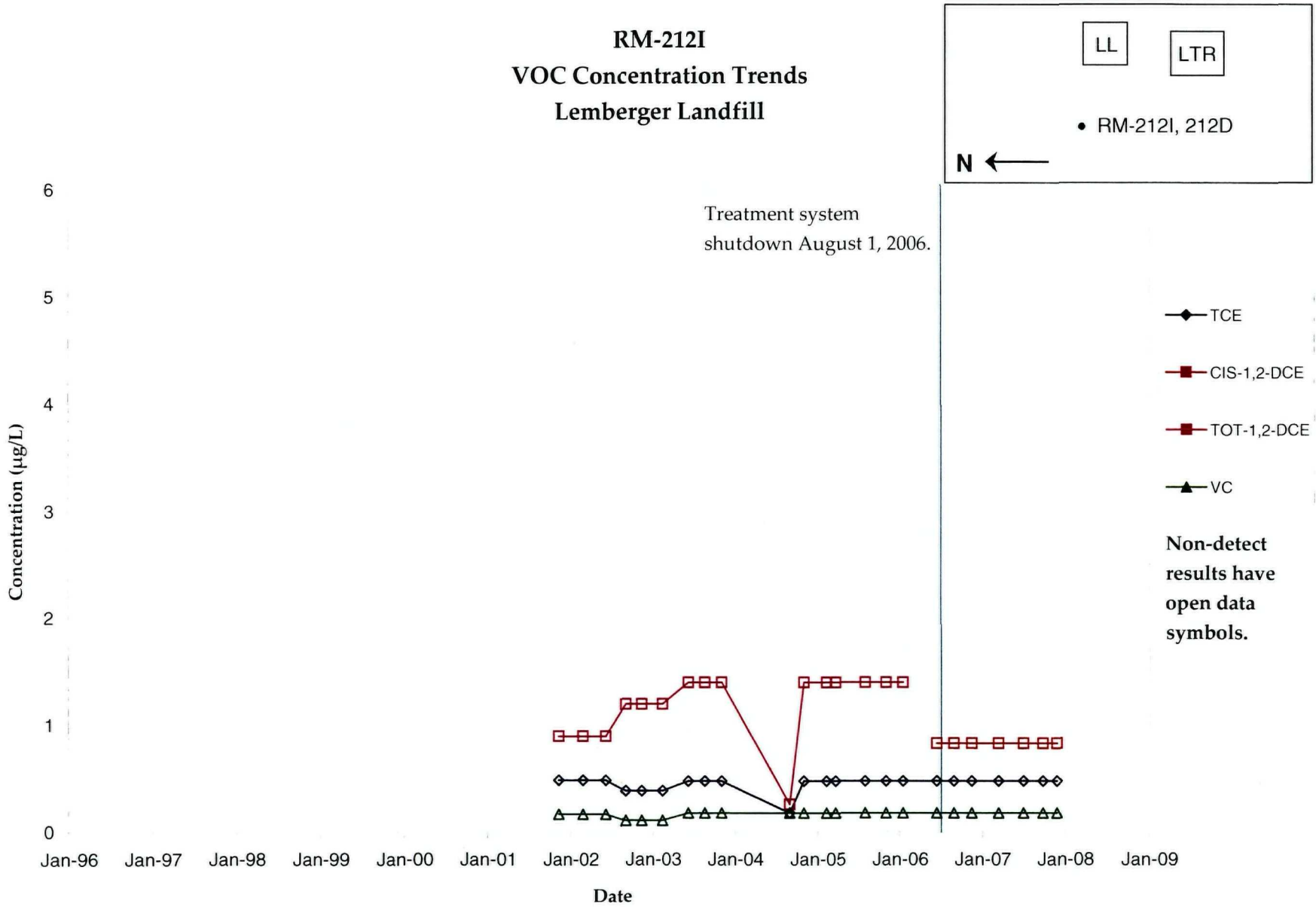
RM-212I
VOC Concentration Trends
Lemberger Landfill



154

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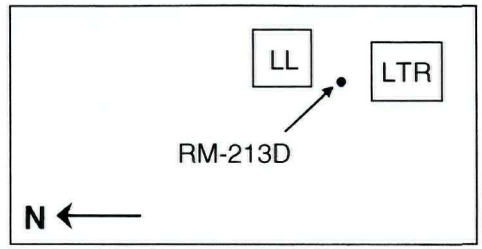
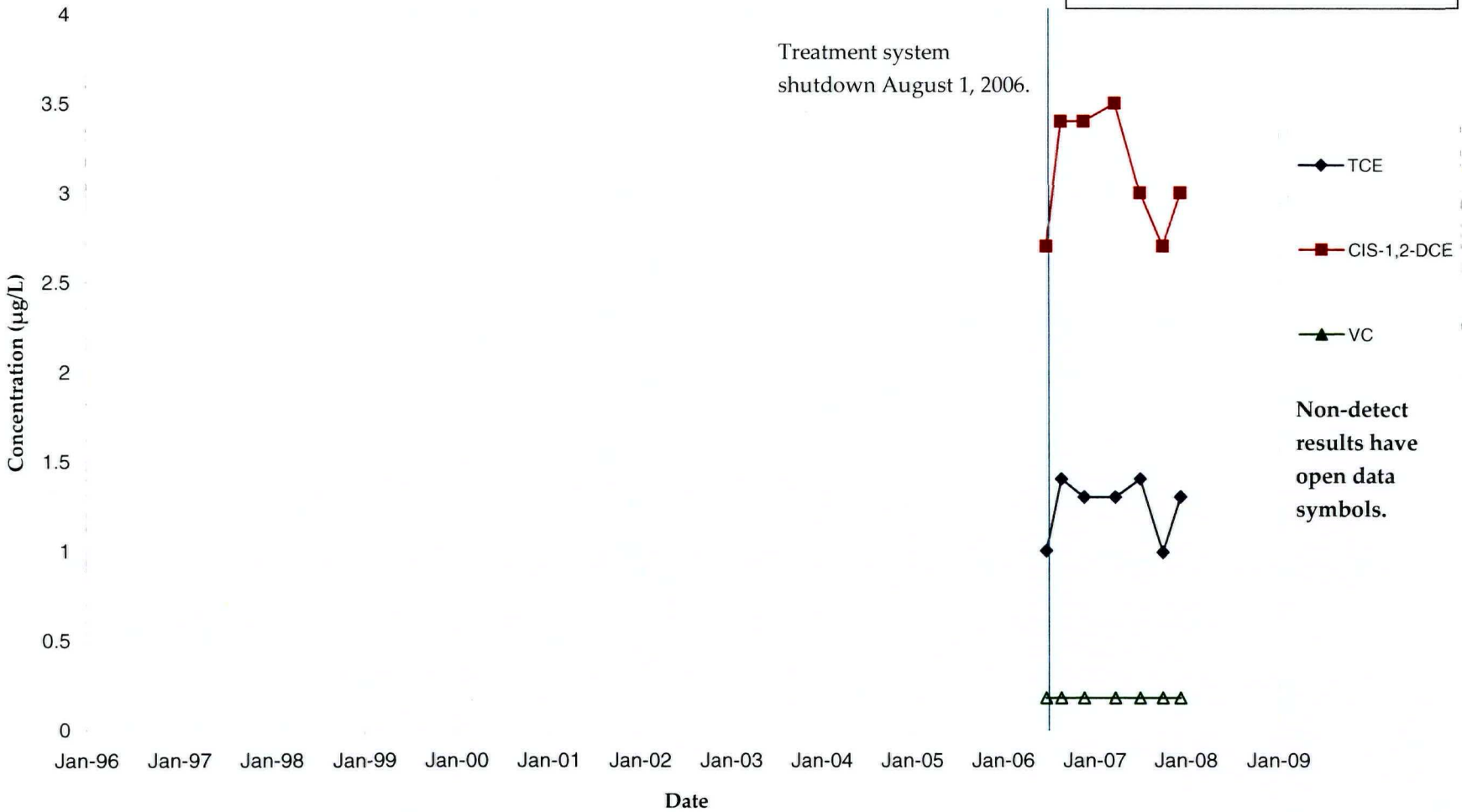
RM-213D
VOC Concentration Trends
Lemberger Landfill





155

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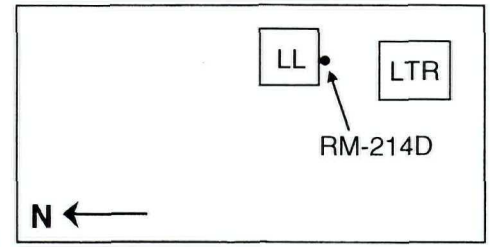
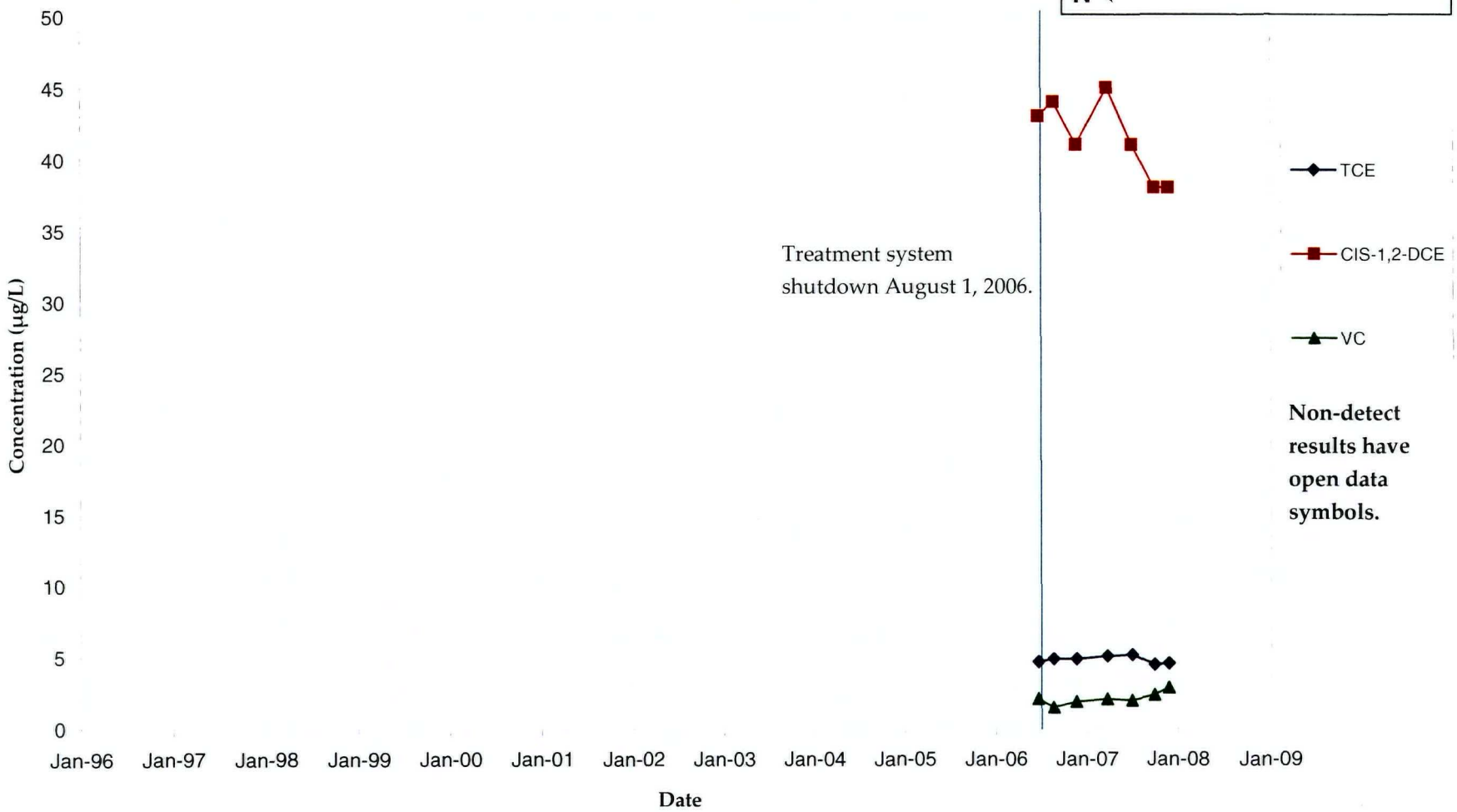
RM-214D
VOC Concentration Trends
Lemberger Landfill





156

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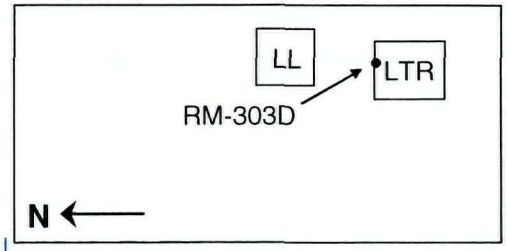
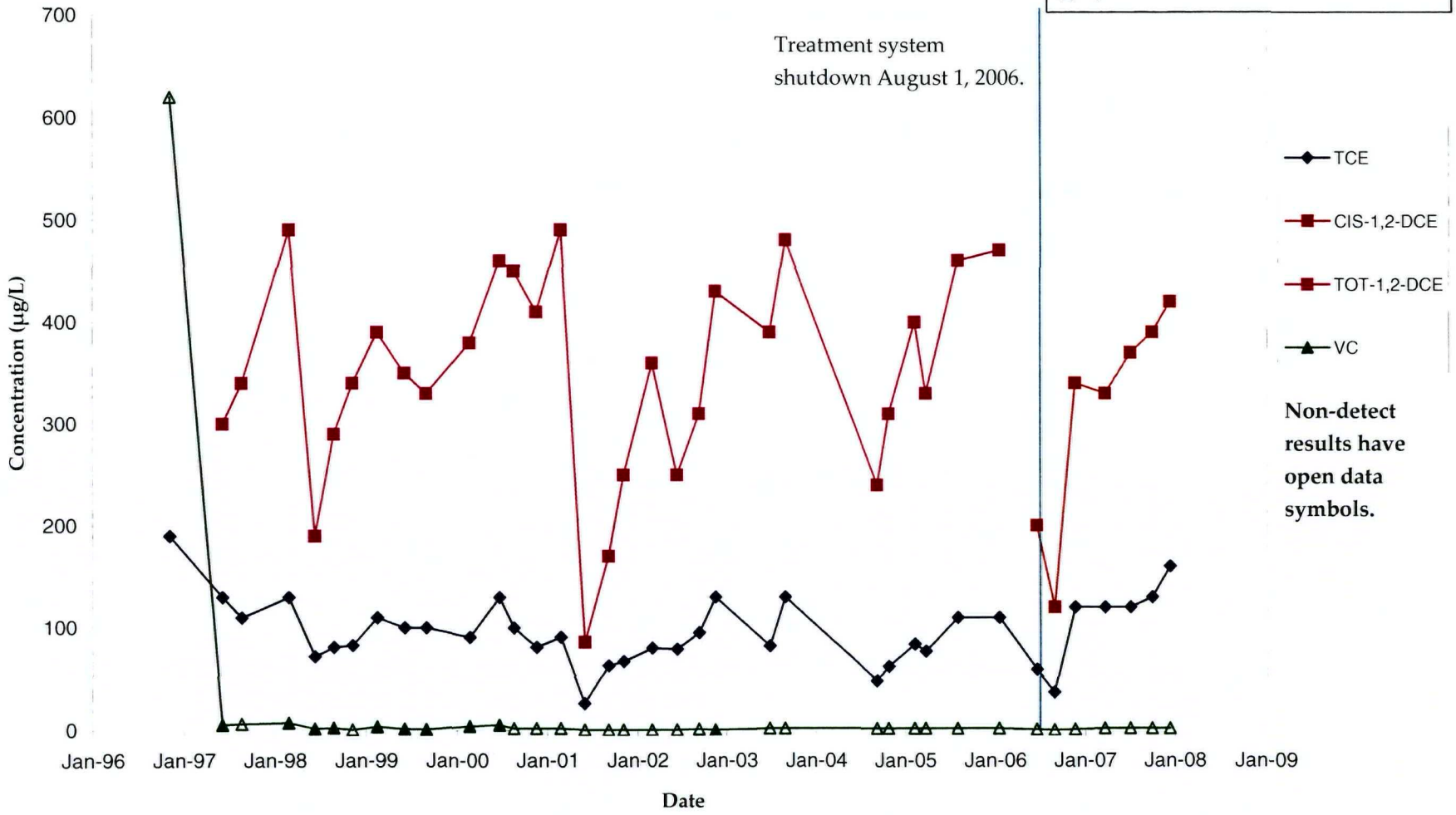
RM-303D
VOC Concentration Trends
Lemberger Landfill





157

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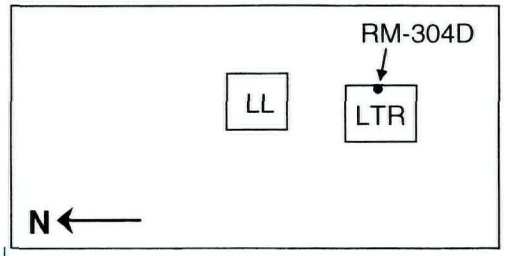
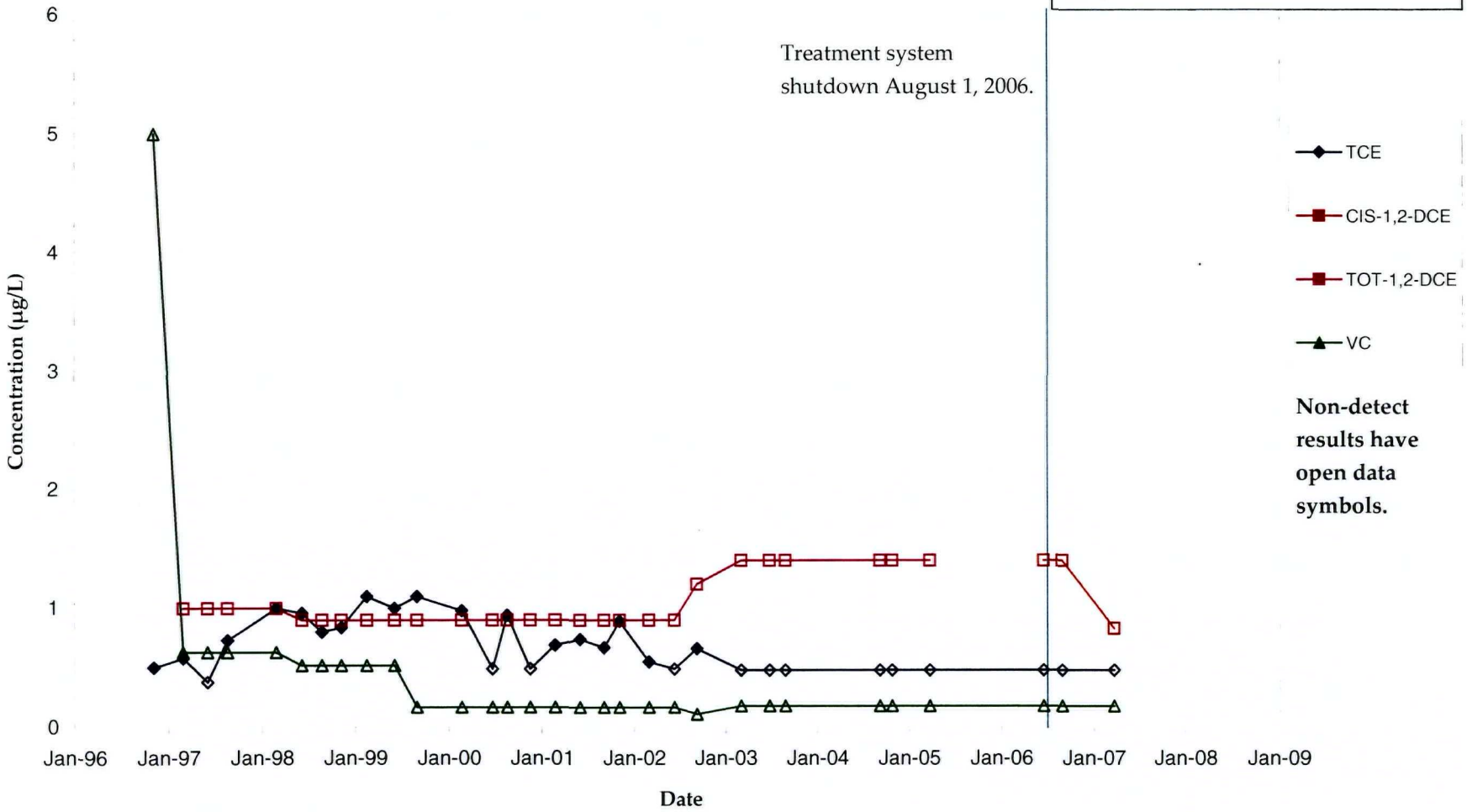
RM-304D
VOC Concentration Trends
Lemberger Landfill



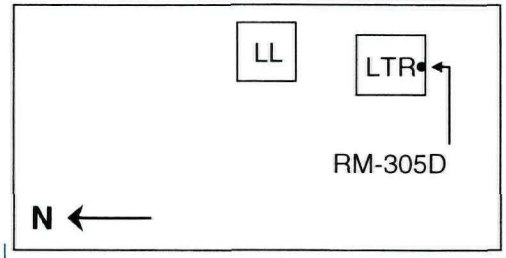


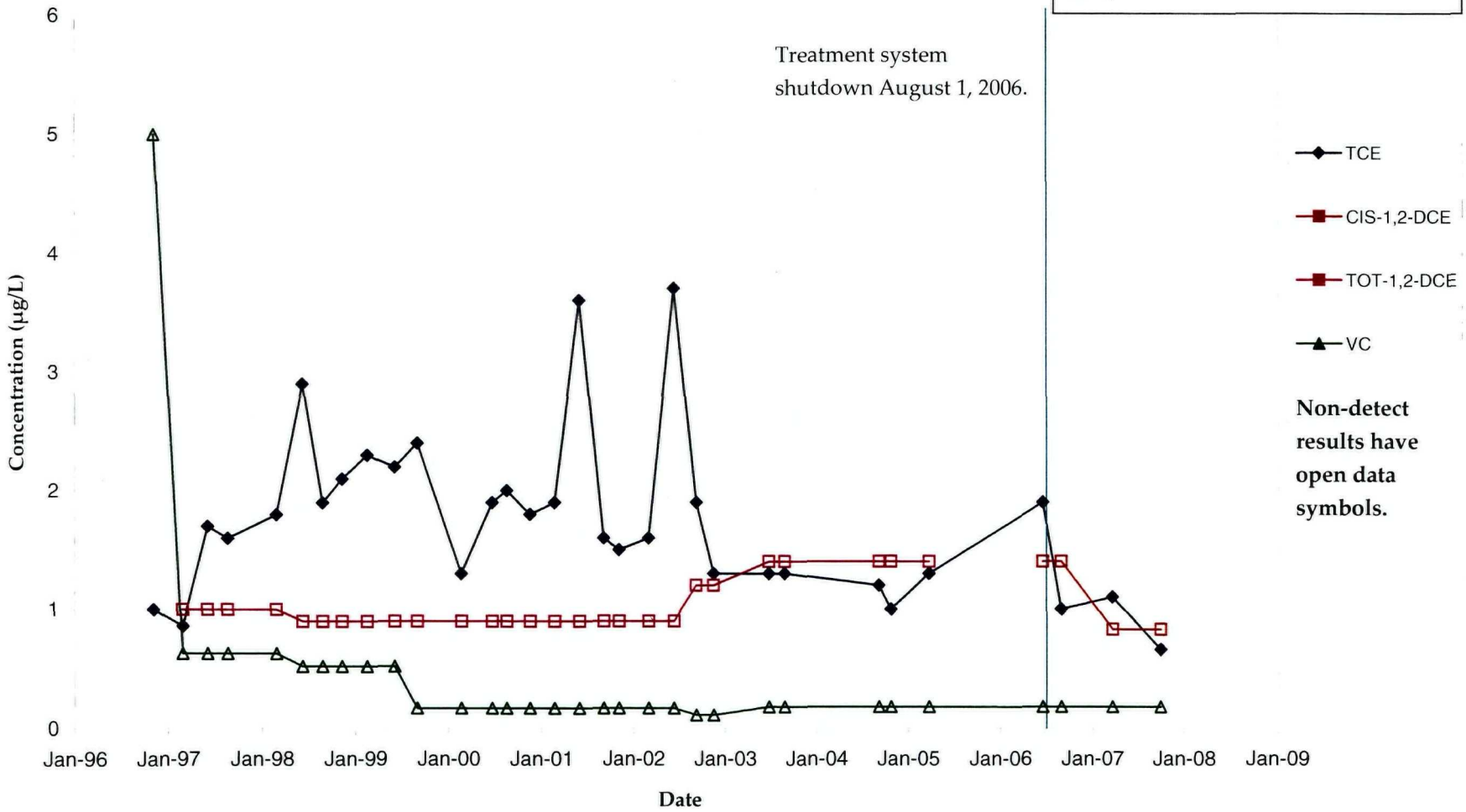
Non-detect results have open data symbols.

158

I:\WPMSN\PJT\00-03457\44\000345744-008.XLS 7/11/2008

RM-305D
VOC Concentration Trends
Lemberger Landfill





159

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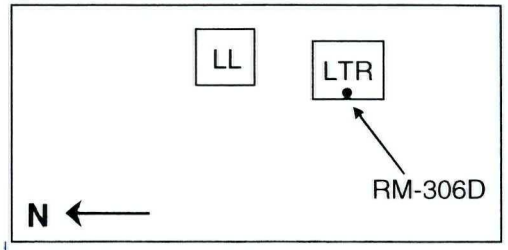
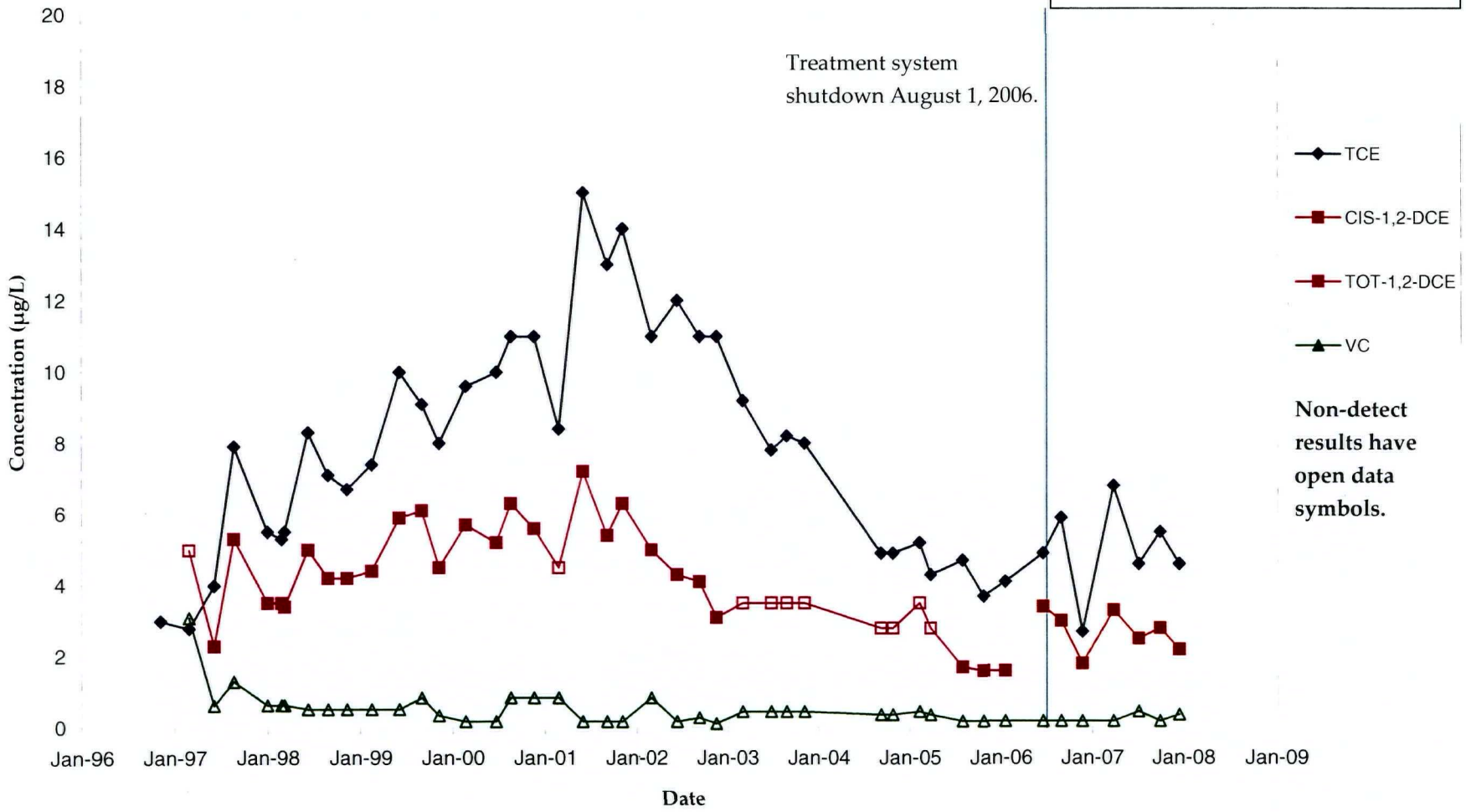
RM-306D
VOC Concentration Trends
Lemberger Landfill





160

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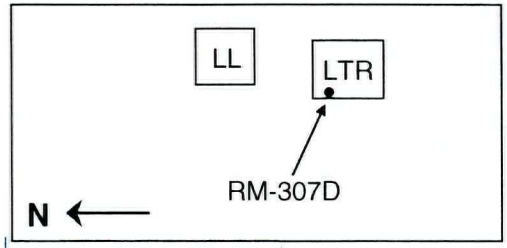
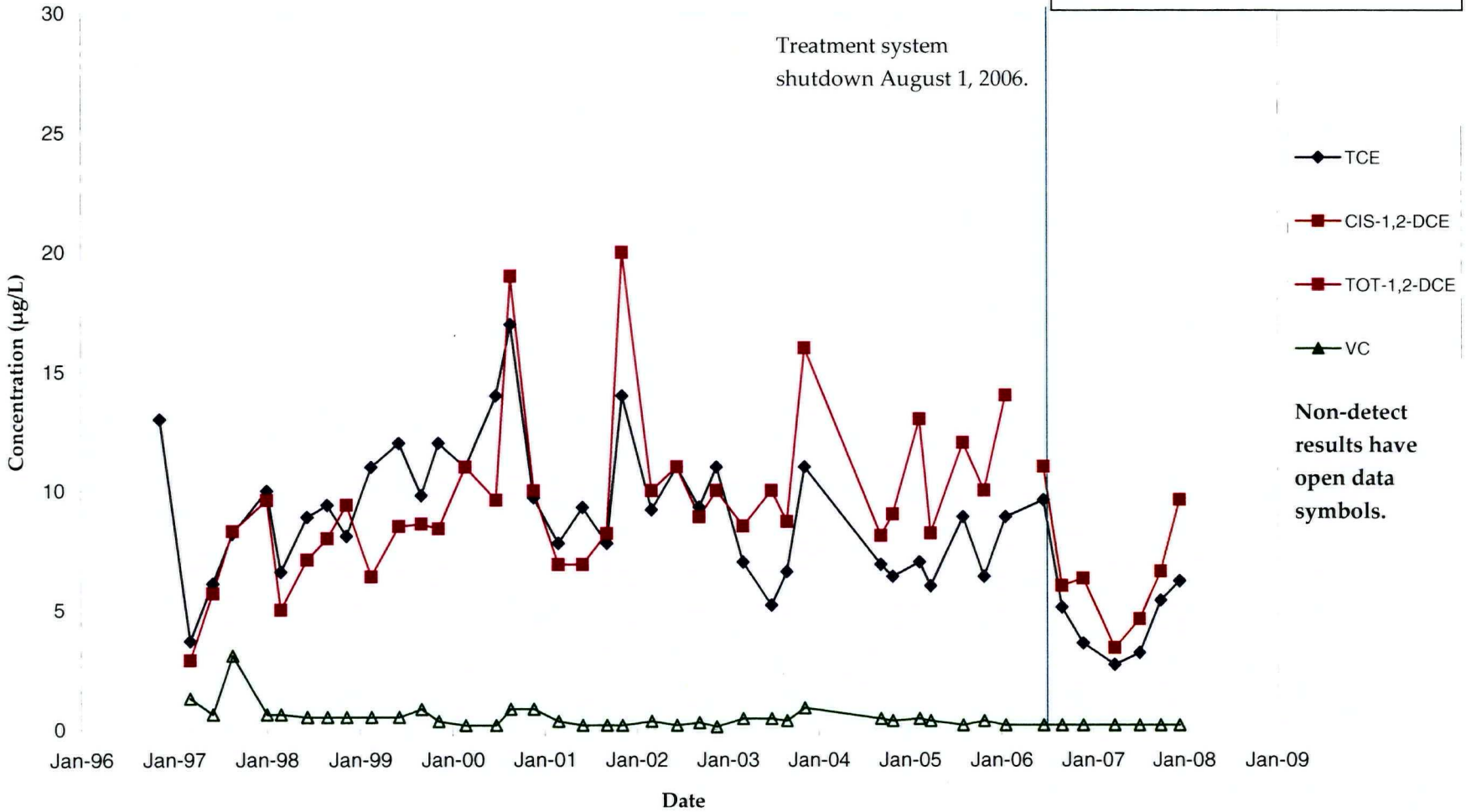
RM-307D
VOC Concentration Trends
Lemberger Landfill





161

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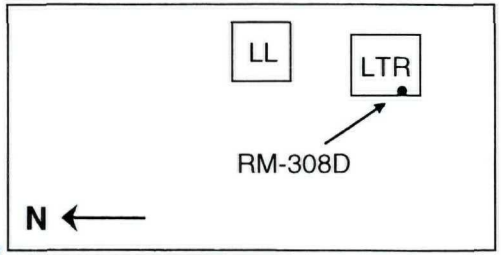
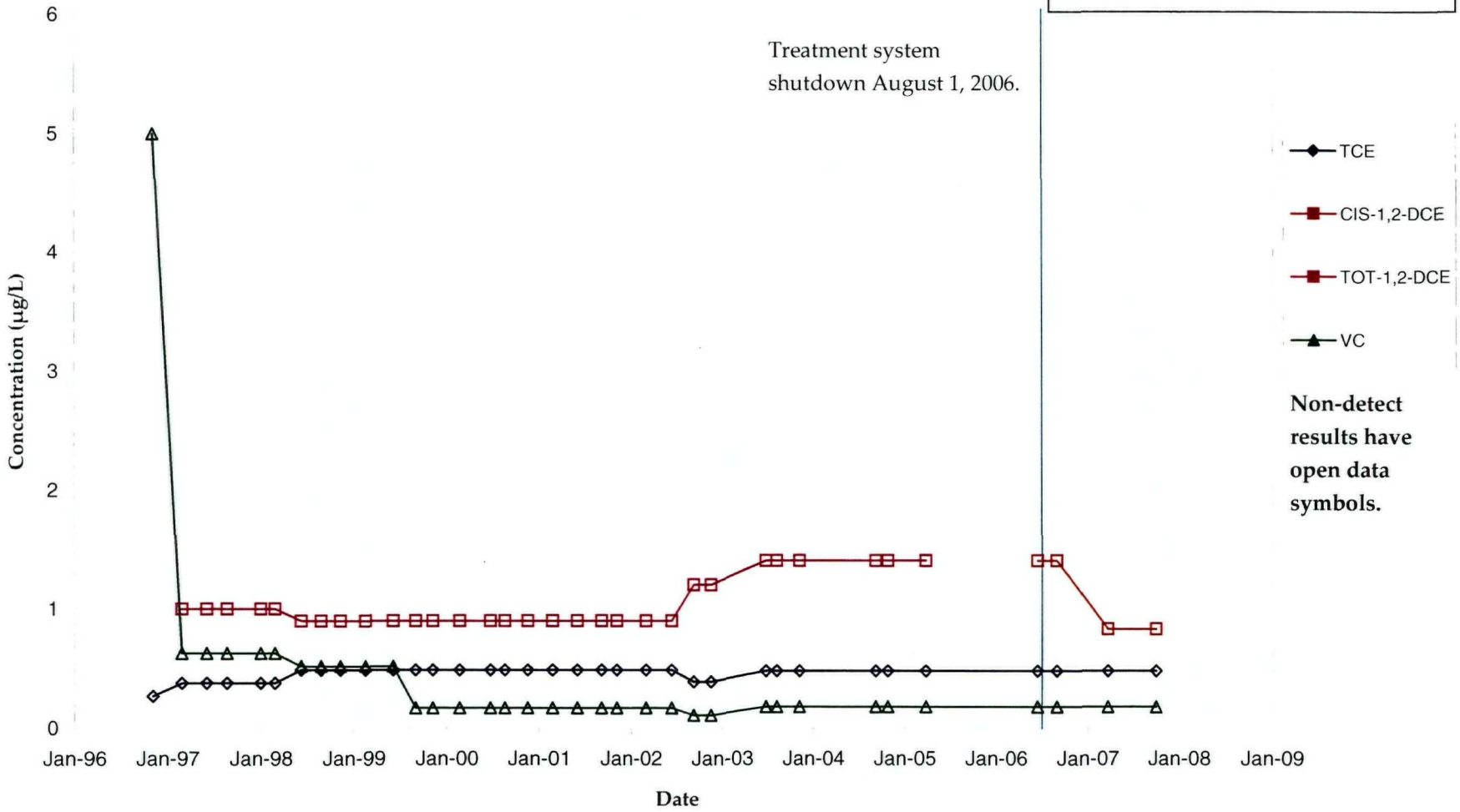
RM-308D
VOC Concentration Trends
Lemberger Landfill





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1/02/02