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December 21, 2023

Ms. Demaree Collier
U.S. Environmental Protection Agency
Region 5 (HSRM-6)
77 West Jackson Blvd.
Chicago, IL 60604

Subject: O&M Progress Report No. 33
Lemberger Landfill Sites
Town of Franklin, Wisconsin

Dear Ms. Collier:

On behalf of the Lemberger Sites Remediation Group (LSRG), TRC is submitting the above-referenced report. This report covers the operating period of July 2022 through June 2023.

Please contact me (608-576-5178) or Brian Potts (608-663-7493) if you have questions.

Sincerely,

TRC

Kristopher D. Krause
Senior Project Manager

Attachment

cc: B.J. LeRoy – WDNR
Brian Potts – Perkins Coie, LLP
Kristin Jones – Newell Rubbermaid
Troy Adams – Manitowoc Public Utilities
Scott Karbon – Manitowoc Public Utilities
James Wallner – Red Arrow Products
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Dan Koski – City of Manitowoc
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O&M Progress Report No. 33

July 2022 – June 2023
Reporting Period

December 2023

**Lemberger Landfill and Lemberger
Transport and Recycling Sites
Town of Franklin, Wisconsin**

Prepared For:

Lemberger Sites Remediation Group

Prepared By:

TRC
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A blue ink signature of Meredith Westover, consisting of a large, stylized 'M' and 'W'.

Meredith Westover, P.G.
Hydrogeologist

A blue ink signature of Kristopher D. Krause, featuring a cursive 'K' and 'D' followed by a long horizontal stroke.

Kristopher D. Krause, P.E.
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1.0 Introduction

TRC Environmental Corporation (TRC) has been retained by the Lemberger Sites Remediation Group (LSRG) to conduct operations and maintenance (O&M) activities at the Lemberger Landfill, Inc. (LL), and the Lemberger Transport & Recycling, Inc. (LTR), Superfund sites in Whitelaw, Town of Franklin, Wisconsin (collectively the "Site"). An integral part of these activities is to prepare a Progress Report on an annual basis that summarizes O&M activities for the preceding year.

This O&M Progress Report No. 33 presents site activities during the reporting period of July 2022 through June 2023 and is intended to fulfill applicable portions of reporting requirements specified in the Environmental Monitoring Plan (EMP) (TRC, 2021a) and its companion documents. This Progress Report is supplemented by other submittals associated with the operating period addressed in this report, as summarized in Section 2.4.

Groundwater monitoring efforts continued on a quarterly basis throughout the reporting period and are the main focus of this report. The groundwater and leachate extraction systems did not operate during this reporting period. In January 2021, USEPA issued a Record of Decision (ROD) Amendment for the site to Monitored Natural Attenuation of Volatile Organic Compounds (VOCs) in groundwater (USEPA, 2021).

2.0 Activity This Period

This section describes the primary technical and administrative activities conducted on the project during this reporting period (July 2022 through June 2023).

2.1 Site Work

The following routine operational tasks were completed during this period. Details of these tasks are discussed in Section 3.

- Sampling of groundwater monitoring wells and residential wells was performed on a quarterly basis (September/October 2022, December 2022, April 2023, and June 2023) in accordance with the Environmental Monitoring Plan (EMP) (TRC, 2021a).
- No leachate withdrawal wells were in operation during this reporting period.
- Annual landfill gas sampling was performed on November 11, 2022, in accordance with the EMP.
- Semi-annual landfill inspections were conducted on November 8, 2022 and May 7, 2023.
- Groundwater samples for PFAS analysis were collected from two wells in December 2022.

The following maintenance tasks were completed during this period:

- The landfill venting system; leachate monitoring wells; groundwater pumping, monitoring, and observation wells; and gas probes were inspected during routine monitoring activities. No maintenance issues were observed during the reporting period.
- The monitoring well protective casings were re-painted as necessary throughout the year.
- Cut fallen trees in July and August 2022; and in April 2023.
- Trimmed grass; cut brush and vines around the wells and fences throughout the year.
- Abandoned monitoring well RM-011D on April 11, 2023.
- Decommissioning and demolition of the treatment system, including the leachate tanks and treatment system building was performed between April 3, 2023 and June 28, 2023.

2.2 Monitoring Program Modifications

Environmental monitoring has been conducted quarterly at the Lemberger Sites since remedial actions were implemented in 1997. Since that time, the monitoring program has been modified based on data observations and field conditions. Each modification was presented to and approved by USEPA before changes were implemented. A brief history of the evolution of the monitoring program is provided in the EMP Revision 4 (TRC, 2014). During this reporting period (July 2022 through June 2023), environmental monitoring was conducted in accordance with the updated EMP Revision 5 (TRC, 2021a). In addition, groundwater samples from two monitoring wells were collected to evaluate PFAS as constituents of concern in accordance with an approved Work Plan (TRC, 2022).

2.3 Sampling Events

Groundwater monitoring was conducted quarterly in September/October 2022, December 2022, April 2023, and in June 2023 in accordance with the approved analytical programs referenced in Section 2.2. Landfill gas monitoring at the LTR was performed on November 11, 2022. No leachate extraction wells, or groundwater extraction wells were in operation at the LL during the reporting period, thus, no treatment system effluent samples or leachate samples were collected from the leachate collection tanks. The sampling events performed during this reporting period are summarized in Table 1.

Data collected during this reporting period have been submitted to the USEPA and WDNR quarterly, as summarized in Subsection 2.4 of this report.

2.4 Deliverables, Correspondence, and Meetings

July 26, 2022	USEPA Review of Quality Assurance Project Plan for Lemberger Landfill and Lemberger Transport and Recycling Site, Franklin, Wisconsin Site
September 9, 2022	TRC Transmittal of Data – First Quarter 2022 Residential, Plume Monitoring and Background Wells
September 9, 2022	Quality Assurance Project Plan_Rev. 0 submitted to USEPA and WDNR
October 4, 2022	USEPA Review Comments of Quality Assurance Project Plan for Lemberger Landfill and Lemberger Transport and Recycling Site, Franklin, Wisconsin Site
October 13, 2022	Revised Quality Assurance Project Plan_Rev. 0 submitted to USEPA and WDNR
November 15, 2022	TRC Transmittal of Data – Second Quarter 2022 Plume Monitoring
November 16, 2022	USEPA Approval of the Quality Assurance Project Plan_Rev. 0
January 10, 2023	O&M Progress Report No. 32 submitted to USEPA and WDNR
March 29, 2023	Submittal of Technical Memorandum for Evaluation of Per- and Poly-Fluoroalkyl Substances (PFAS) at the Lemberger Landfill Sites submitted to USEPA and WDNR
May 25, 2023	TRC Transmittal of Data – Third Quarter 2022 Residential, Plume Monitoring and Sentinel Wells
June 8, 2023	TRC Transmittal of Data – Fourth Quarter 2022 Plume Monitoring

Contacts with the local community occurred during the routine sampling of private wells by Mark Brooks of Brooks Services, LLC (Brooks Services), and by means of the transmittals of the laboratory results to the well owners by the WDNR. Perkins Coie LLP, the LSRG's counsel, receives and responds to questions and concerns raised by neighbors and the general public.

2.5 Landfill Site Inspections

The 1997 O&M Plan (RMT, 1997) requires inspections of both the LL and LTR Sites be performed in the spring and fall. Landfill site inspections were performed by Mark Brooks in November 2022 and May 2023.

The site inspection reports are included in Appendix A. The landfill inspections did not reveal any maintenance issues, and no repairs to either landfill are necessary at this time.

2.6 Personnel Changes

There have been no personnel changes during the reporting period.

3.0 Summary of Observation and Monitoring Data

3.1 Water Elevation Measurements

Water levels were collected from each sampled well during the monitoring events, and additionally, water levels were measured at monitoring wells RM-004D, RM-010D, and RM-305D in September 2022; and at monitoring wells RM-004D, RM-010D, RM-301S, RM-302S, and RM-305D in June 2023, in accordance with the current monitoring program. Appendix B of this Progress Report contains a tabular summary of the leachate head levels, and Appendix C contains a tabular summary of the groundwater elevations for this reporting period (July 2022 through June 2023). Historical leachate head and groundwater elevation data are included in Attachment 1 of this Progress Report. Figure 1 shows the locations of the monitoring well network.

3.1.1 Leachate Head and Shallow Groundwater Elevations

Leachate withdrawal from LW-07 has been discontinued since May 2014. Leachate and groundwater head data were collected at six monitoring wells (RM-005S, RM-206S, RM-207S, RM-208S, RM-301S, RM-302S), three leachate head wells (LH-01, LH-03, and LH-06), and one leachate extraction well (LW-07) at the LL during this reporting period in accordance with the current monitoring program. Updated hydrographs for leachate head wells and shallow groundwater wells at the LL are included in Appendix D.

Leachate levels were observed to increase in a number of the monitored wells, consistent with historical observations. When evaluating the leachate levels and comparing them to groundwater elevations outside the LL, inward gradients continue to be maintained at the slurry wall, with the exception of the western edge of the LL (Appendix D). Shallow groundwater elevations adjacent to the LL have remained essentially stable over time, with seasonal fluctuations of up to 5 feet annually, while leachate levels within the LL have shown a consistent slow increasing trend. These data indicate that there is no significant hydraulic connection between the LL and the shallow groundwater.

3.1.2 Groundwater Elevations

Water table elevation maps for the perched Upper Granular Unit (UGU) aquifer and potentiometric surface maps of the groundwater in the bedrock and Lower Granular Unit (LGU) aquifer have been reported annually to the agencies since 1997. The groundwater flow direction in the UGU and LGU/bedrock aquifers has remained consistent throughout 26 years of monitoring. Synoptic water level measurement events have been removed from the monitoring program following a 2014 revision to the EMP (TRC, 2014), but water level measurements are collected from each monitoring well at the time of sampling over the course of the sampling event. Water levels collected from LL wells in June 2023 were used to generate a perched water table elevation map of the perched UGU aquifer (Figure 2), and water levels collected during the September/October 2022 annual sampling event were used to generate a bedrock potentiometric surface map of groundwater in the LGU and bedrock (Figure 3). Table 2 presents the calculated vertical hydraulic gradients in the LGU/bedrock aquifer for each of the quarterly monitoring events during this reporting period. Vertical gradients at the Site vary based on temporal changes probably related to precipitation events. The groundwater elevations from this reporting period are consistent with historical observations as reported in previous Progress Reports. Groundwater in the shallow

aquifer flows west towards wetlands and surface drainages. Groundwater in the bedrock aquifer flows north-northwest towards the Branch River.

3.2 Groundwater Quality Monitoring

This subsection includes an evaluation of the groundwater quality for the current reporting period. The locations of the monitoring well network, including residential wells and site monitoring wells, are shown on Figure 1.

3.2.1 Residential Wells

The residential well monitoring was performed in accordance with the EMP (TRC, 2021a). Residential wells in the monitoring program were sampled in accordance with the specified schedule.

A summary of the residential well analytical data for this reporting period is included in Appendix E, and laboratory data sheets for this reporting period are included in Appendix F. Historical analytical data are summarized in Attachment 1. All analytical data from the residential wells were sent to the USEPA and WDNR in quarterly Data Transmittals, as indicated in Subsection 2.4; and the WDNR reported the results to individual well owners.

In September/October 2022, the volatile organic compound (VOC) toluene was detected at an estimated concentration of 0.75 µg/L at well GR-14. Toluene is detected at low concentrations sporadically at Site monitoring wells and in field blanks, and is not considered a constituent of concern at the Site. The estimated concentration of this compound was below the WDNR NR 140.10 Preventive Action Limit (ES) for toluene (800 µg/L). No other VOCs were detected in the residential wells during this reporting period.

3.2.2 Background, Plume, and Sentinel Monitoring Wells

Background, plume, and sentinel monitoring wells were sampled in accordance with the schedule in Table 1. The following subsections present a summary of the groundwater data collected during this reporting period. Data from this reporting period are summarized in Appendix E, and laboratory data sheets are included in Appendix F. Historical groundwater analytical data are included in Attachment 1. Individual exceedances of Wisconsin Administrative Code Chapter NR 140 groundwater standards are summarized quarterly and submitted with the quarterly data transmittals, as listed in Section 2.4 of this report.

3.2.2.1 Volatile Organic Compounds

Historically, trichloroethene (TCE), 1,1,1-TCA, and CVOC breakdown products (cis-1,2-dichloroethene [cis-1,2-DCE]; vinyl chloride; 1,1-dichloroethane [DCA]; and chloroethane) have been detected in the plume monitoring wells and are detected sporadically in groundwater collected from the shallow monitoring wells. Appendices G and H contain updated trend plots of the historical CVOC data from all the site monitoring wells; Figures 4 through 7 show the distribution of TCE, 1,1,1-TCA, cis-1,2-DCE, and 1,1-dichloroethene (1,1-DCE), in the LGU and bedrock unit; and Figures 8 and 9 present the distribution of TCE and 1,1,1-TCA in cross section. These maps depict data collected during the third quarter (September/October) 2022 monitoring event, as the third quarter sampling event is the most comprehensive monitoring event in terms of number of wells sampled.

The monitoring results from this reporting period are consistent with historical observations. The NR 140.10 Enforcement Standards (ES) are used to depict the extent of the CVOC plume shown in Figures 4 through 7. The size and shape of the plume remains essentially unchanged from the previous reporting period. Table 3 summarizes the ES exceedances for VOCs during the reporting period.

Analytical results of the background, plume, and sentinel wells groundwater sampling are summarized as follows:

- Background groundwater was monitored at bedrock well RM-102D located approximately 500 feet south of the LTR. RM-102D was sampled in October 2022 for VOCs and MNA parameters. No VOCs were detected. This is consistent with historical data.
- CVOCs in groundwater were monitored by 35 monitoring wells and four leachate head/leachate withdrawal wells during the reporting period (Table 1). CVOC concentrations at these wells were consistent with historical data. CVOCs were detected north of the LTR to OW-104F, RM-210D, and RM-203D; and west to RM-101D (Figures 4 through 7). CVOCs extended vertically to an elevation of approximately 670 feet above mean sea level (MSL) (RM-401XXD, RM-402XXD, and RM-404XXD) (Figures 8 and 9).
- ES exceedances of five VOCs occurred at nine monitoring wells during the reporting period. Constituents that exceed the ES are TCE, 1,1,1-TCA, 1,1-DCE, cis-1,2-DCE, and vinyl chloride. Five of the nine wells with exceedances are located within the NR 140.22(3) point of standards application design management zone (DMZ) for the landfill (defined as 300 feet beyond the limits of waste). The distribution of these exceedances is consistent with previous sampling results indicating the plume extent is stable-to-decreasing.
 - TCE is the most common constituent detected above the ES (5 µg/L). TCE concentrations above the ES are found at eight monitoring wells (RM-007D, RM-007XD, RM-008D, RM-303D, RM-307D, RM-402XD, RM-402XXD, and RM-403XD). The extent of TCE concentrations that exceed the ES is illustrated by the 5 µg/L isocontour in Figure 4. Four of the eight wells are within the NR 140.22(3) point of standards application DMZ for the landfills.
 - 1,1,1-TCA exceeded the ES (200 µg/L) at three monitoring wells (RM-007D, RM-007XD, and RM-303D), located along the perimeter of the LTR and within the NR 140.22(3) point of standards application DMZ for the landfills.
 - 1,1-DCE exceeded the ES (7 µg/L) at five monitoring wells (RM-007D, RM-007XD, RM-303D, RM-402XD, and RM-403XD). Only RM-402XD and RM-403XD are located outside the NR 140.22(3) point of standards application DMZ for the landfills.
 - cis-1,2-DCE exceeded the ES (70 µg/L) at three monitoring wells (RM-007XD, RM-007XD, and RM-303D); All three wells are located around the perimeter of the LTR and within the NR 140.22(3) point of standards application DMZ for the landfills.
 - Vinyl chloride exceeded the ES (0.2 µg/L) at one monitoring well (RM-214D) located within the NR 140.22(3) point of standards application DMZ for the LL.

- Six sentinel wells (RM-002D, RM-003D, RM-003XXD, RM-210D, RM-401XXD, and RM-403XD) were monitored quarterly in this reporting period. CVOC concentrations remain below the ES at all sentinel wells except at RM-403XD where the concentrations of 1,1-DCE exceeded the ES in two of the four sampling events and TCE exceeded the ES in all four sampling events (Table 3). Concentrations of CVOCs at RM-403XD fluctuate but have generally decreased over the period of record (since well installation in 2012 at RM-403XD).

3.2.2.2 Monitored Natural Attenuation Evaluation

A comprehensive evaluation of the CVOC and MNA analytical data from the Lemberger Sites is presented in the MNA Study Report (TRC, 2019). In summary, the data confirm that reductive dechlorination and aerobic degradation of CVOCs are taking place at the Site. Reductive dechlorination is evident at the source area and may be active in anaerobic microenvironments in the source area and abiotically within the rock matrix.

Trend plots of the CVOCs (Appendix G and H) show that concentrations at nearly all the site monitoring wells exhibit decreasing trends when viewed over the full monitoring history. CVOC concentration trends at the wells within the source area and the plume are generally downward both before and after the groundwater extraction system was shut down, and concentrations of most CVOCs are predicted to remain below the ES or reach the ES within approximately 50 years (TRC, 2019).

TCE and 1,1,1-TCA concentrations at RM-007XD, which previously had an increasing concentration trend, continues to show evidence of stabilization and even decline in recent years. Monitoring wells exhibiting concentration “rebound” following the shutdown of the groundwater extraction system (e.g., RM-002D, RM-003D) also show evidence of stabilization and even reduction in recent years, particularly in the concentrations of 1,1,1-TCA. In addition, data for the newer Site wells (i.e., the “RM-400” monitoring well series) show evidence for stable-to-decreasing trends. The trend data are encouraging and continue to support MNA as the preferred remedy for the Site.

Samples for MNA parameter analysis were collected at 12 monitoring wells located generally along the plume centerline during the September/October 2022 monitoring event. The aquifer is fairly aerobic, with dissolved oxygen (DO) values greater than 1.0 mg/L at many of the source area and plume monitoring wells. The concentration of DO at source area wells at the downgradient edge of the LTR are lower than elsewhere in the LTR (e.g., approximately 1.5 mg/L on average at RM-007D/RM-007XD¹ and 2.5 mg/L at RM-303D compared to greater than 4 mg/L at RM-306D and RM-307D). DO is sometimes depleted (< 0.5 mg/L) within the core of the CVOC plume that extends north (e.g., RM-204D, OW-104F; RM-402XD [TRC, 2019]).

The organic carbon concentrations range from 0.72 mg/L to 1.8 mg/L at the north (distal) end of the plume while values near the source area range from 1.5 mg/L to 2.3 mg/L. Concentrations of constituents that are expected to increase in concentration with bioactivity (e.g., manganese, iron, chloride) show mixed results that indicate local variability within the aquifer. Similarly, concentrations of parameters that are depleted from biotic activity (e.g., nitrogen as nitrate and

¹ Average dissolved oxygen excludes an apparent anomalous measurement of 10.8 mg/L at RM-007D in December 2022.

nitrite, and sulfate) show local variability between wells, though sulfate is elevated in wells near the LTR.

The results of the MNA analysis conducted during this reporting period are consistent with historical monitoring results and support the conclusions of the MNA report (TRC, 2019). The MNA data provide evidence that reductive dechlorination and aerobic degradation (oxidation and co-metabolism) of CVOCs appear to be occurring simultaneously within different portions of the plume. The data indicate that the CVOC plume at the Lemberger Site exhibits Type 1 behavior (i.e., microbial degradation driven by degradation of an anthropogenic carbon source) in and near the LTR source area, and in localized areas adjacent to the LL (e.g., near RM-214D). The carbon source driving the microbial degradation in these areas may be related to landfill impacts prior to closure, or the low concentrations of plume constituents themselves. In far field portions of the plume, where conditions become generally more aerobic, the plume exhibits Type 3 behavior (i.e., degradation proceeds via oxidation or aerobic co-metabolism). This combination of plume behaviors results in degradation of the highly chlorinated compounds (PCE, TCE, and 1,1,1-TCA) in and near the source area, and slower degradation of the less chlorinated daughter compounds in far-field portions of the plume. Rapid oxidation of vinyl chloride outside of the source area prevents accumulation of this degradation product in the aquifer.

3.2.2.3 Per- and Poly- Fluoroalkyl Substances (PFAS) Evaluation

In the previous reporting period, four monitoring wells (RM-007D, RM-102D, RM-204D, and RM-401XD) were sampled for PFAS to evaluate if PFAS were constituents of concern (COCs) at the Site. The evaluation report (TRC, 2021b) concluded that PFAS are not COCs. In February 2022, the Wisconsin Department of Natural Resources (WDNR) agreed with the conclusion that no further PFAS sampling was required at the Lemberger sites at this time (WDNR, 2022). The USEPA, while in general agreement with the conclusions of the initial evaluation, required confirmation sampling for PFAS coordinated through the USEPA's PFAS team (USEPA, 2022). The addition of PFAS sampling to the overall analytical program for the Lemberger sites required addition of this analytical group to the site QAPP. An updated QAPP was submitted in October 2022, which included a PFAS Sampling Workplan (TRC, 2022). The PFAS Sampling Workplan specified the collection of groundwater samples for PFAS analysis from two of the wells previously sampled for PFAS, RM-007D and RM-401XD.

The two monitoring wells (RM-007D and RM-401XD) were sampled for PFAS in December 2022 to confirm that PFAS are not constituents of concern at the Lemberger Sites. The data were reported to the WDNR in a technical memorandum (TRC, 2023) and are presented in Appendix E and Figure 10. The evaluation concluded the following:

- The analytical results for PFAS compounds have been consistent over two sampling events.
- There were no detections of PFAS compounds at concentrations above the recommended ESs.
- The very low concentrations of PFAS present in the groundwater do not currently pose a risk to human health or the environment.
- Source control measures taken at the LTR in the 1990s and the lack of precursor fluorotelomers in the groundwater indicate that PFAS at the site will not pose a risk to human health or the environment in the future.

These results indicate that PFAS are not constituents of concern at the Lemberger sites, and TRC concluded that no further action is necessary with respect to PFAS at the site.

3.2.3 LL Shallow Monitoring Wells

Four monitoring wells (RM-005S, RM-206S, RM-207S, and RM-208S) monitor the groundwater quality of the upper granular unit (UGU) downgradient of the slurry wall around the LL. These wells have been continuously monitored since the 1990s and have documented that the performance criteria stated in the ROD have been met (TRC, 2015) and groundwater quality of the UGU has improved.

Groundwater samples were collected from three of the four LL monitoring wells in June 2022 and analyzed for field parameters and VOCs in accordance with the EMP. Well RM-208S was dry at the time of sampling. Benzene was detected at an estimated concentration of 0.41 µg/L at well RM-207S. TCE was detected at an estimated concentration of 0.36 µg/L at well RM-005S. No other VOCs were detected in any of the shallow LL samples. These data confirm that the remedial measures conducted at the LL continue to perform as designed from a groundwater quality perspective in accordance with the ROD.

3.3 Leachate Monitoring

A detailed evaluation of the leachate monitoring data was submitted in the Lemberger Landfill Source Control Evaluation Report (TRC, 2015). That report and the path forward for the LL was discussed at a September 2015 meeting between the LSRG and regulatory agencies. The evaluation and subsequent discussion concluded that concentrations of VOCs in the LL leachate have substantially decreased, and the containment system is effective and operating as designed. The leachate sampling program was expanded, with no leachate extraction. This subsection includes a summary of the leachate extraction and monitoring results for the current reporting period. The locations of the leachate extraction wells are shown on Figure 1.

3.3.1 Volume Leachate Removed

None of the leachate extraction wells were operated during this reporting period. In January 2021 the USEPA issued a ROD Amendment for the Sites to Monitored Natural Attenuation (MNA). The total volume of leachate extracted since system startup is 8,329,558 gallons. The leachate extraction and treatment systems were decommissioned between April and June 2023. As a part of the demolition process the residual leachate and solids were removed from the leachate tanks. A total of approximately 1,800 gallons of sludge and wash water were removed from the tanks and disposed during demolition.

3.3.2 Leachate Quality Monitoring

Leachate samples were collected from two leachate head wells (LH-01 and LH-03) and one leachate extraction well (LW-07) in June 2023. LH-06 which is also in the monitoring program was dry at the time of sampling. Data from this reporting period are summarized in Appendix E, and historical leachate monitoring results are included in Attachment 1. VOCs were detected in each of the leachate samples, including CVOC compounds (e.g., 1,1-DCA) and aromatics (e.g., benzene, xylene). All of the detected VOCs are present at low concentrations. The following summarizes the VOC results:

- LH-01 – detections of 1,1-dichloroethane, 1,2-dichloropropane, and benzene. No ES exceedances.
- LH-03 – detections of benzene, carbon disulfide, and chlorobenzene. No ES exceedances.
- LH-06 – This well was dry during the June 2023 sampling event. Historically concentrations of several VOCs have exceeded their ESs at this location, including benzene, 1,2-dichloroethane, cis-1,2-DCE, and vinyl chloride.
- LW-07 – detections of 1,1-dichloroethane, benzene, chloroethane, and xylene. The benzene concentration (10.5 µg/L) exceeded the ES (5 µg/L).

VOCs detected in these wells during this reporting period were also detected in previous leachate samples. The historical results for CVOCs are presented in trend plots in Appendix G and Appendix H. Concentrations of most constituents in the LL leachate have decreased markedly since samples of leachate were first collected in 2000. Moreover, aromatic constituents and ketones historically detected in the leachate are not detected in groundwater outside the LL containment system. This indicates the leachate is not impacting groundwater and the slurry wall containment is functioning as designed.

3.3.3 Operating Status of Leachate Extraction Pumps

The leachate extraction system has been shut down since 2014 (Section 3.3). The system was decommissioned between April and June 2023.

3.4 Operating Status of the Groundwater Treatment System

The groundwater treatment system has been shut down since August 1, 2006, per the USEPA-approved MNA workplan (RMT, 2005). In January 2021 the USEPA issued a ROD Amendment for the Sites changing the remedy to Monitored Natural Attenuation. The system was decommissioned between April and June 2023.

3.5 Landfill Gas

This subsection includes an evaluation of landfill gas monitoring results at the LTR for the current reporting period. Gas monitoring at the LL has been completed, per the approved O&M Plan. The locations of the gas vents and gas probes are shown on Figure 11.

3.5.1 Monitoring Data

Monitoring of the landfill gas management system for the LTR, including gas vents and gas probes, was performed on November 11, 2022. Gas monitoring was conducted for methane, oxygen, non-methane volatile organic compounds (NMVOCs), and gas velocity. The gas monitoring data sheets for the reporting period are provided in Appendix I. Gas monitoring results at the LTR for this reporting period showed no detections of NMVOCs or methane in the gas vents and probes. Attachment 1 includes a tabular summary of historical gas monitoring results.

3.5.2 Gas Migration Assessment

Off-site landfill gas migration does not appear to be occurring at the LTR, based on the monitoring of gas probes and vents around the LTR Site. The absence of methane detected within the LTR limits indicates that landfill gas is not being produced, or that it is being produced in extremely small quantities. No pressure buildup within the LTR is occurring, indicating that the gas venting system is working as designed. Consequently, the risk to human health and welfare associated with gas migration is minimal and cessation of the gas monitoring program at the LTR should be discussed with USEPA and the WDNR.

4.0 References

- RMT, Inc. 1997. Final operation and maintenance plan, Lemberger Landfill RD/RA Operable Unit 1, and final operation and maintenance plan, Lemberger Transport and Recycling site, Operable Unit 2. Prepared by Malcolm Pirnie, with modifications by RMT. February 1997.
- RMT, Inc. 2005. Workplan for monitored natural attenuation engineering demonstration project. Lemberger Landfill and Lemberger Transport and Recycling Site, Town of Franklin, Wisconsin. August 2005.
- TRC. 2014. Environmental Monitoring Plan, Lemberger Landfill and Lemberger Transport and Recycling Site, Town of Franklin, Wisconsin. Revision 4. February 2014.
- TRC. 2015. Lemberger Landfill Source Control Evaluation, Lemberger Landfill, Whitelaw, Manitowoc County, Wisconsin. September 2015.
- TRC. 2019. Monitored Natural Attenuation Report, Lemberger Transport and Recycling, Inc. (LTR) and Lemberger Landfill (LL), Superfund Sites, Groundwater Operable Unit OU-1, Town of Franklin, Manitowoc County, Wisconsin. April 2019.
- TRC. 2021a. Environmental Monitoring Plan, Lemberger Landfill and Lemberger Transport and Recycling Site, Town of Franklin, Wisconsin. Revision 5. February 2021.
- TRC. 2021b. Evaluation of Per- and Poly-Fluoroalkyl Substances (PFAS) at the Lemberger Landfill Sites. Technical Memorandum. November 19, 2021.
- TRC. 2022. Quality Assurance Project Plan, Lemberger Landfill and Lemberger Transport and Recycling Site, Town of Franklin, Wisconsin. Revision 0. October 2022.
- TRC. 2023. Evaluation of Per- and Poly-Fluoroalkyl Substances (PFAS) at the Lemberger Landfill Sites. Technical Memorandum. March 29, 2023.
- USEPA. 1990. Record of decision; Operable Unit 1; Lemberger Landfill, Inc.; Lemberger Transport & Recycling, Inc.; Manitowoc County, Wisconsin. United States Environmental Protection Agency. September 1990.
- USEPA. 2010. Five Year Review Report, Third Five Year Review Report for Lemberger Landfill (Lemberger Flyash) Lemberger Transport and Recycling, Franklin Township, Manitowoc County, Wisconsin. July 2010. U. S. Environmental Protection Agency, Region 5. Chicago, IL. July 14, 2010.
- USEPA. 2020. Fifth Five-Year Review Report for Lemberger Landfill, Inc. and Lemberger Transport and Recycling Superfund Sites, Manitowoc County, Wisconsin. July 20, 2020.
- USEPA. 2021. Amendment to the 1991 and 1994 Records of Decision for the Lemberger Landfill, Inc. and Lemberger Transport and Recycling Superfund Sites, Town of Franklin, Wisconsin. January 2021.



USEPA. 2022. Email from USEPA to WDNR, LSRG, and TRC requesting confirmation sampling for PFAS and updates to the QAPP. February 17, 2022.

WDNR. 2022. Email from WDNR to TRC, LSRG, and USEPA stating that WDNR does not require any further PFAS sampling at this time. February 16, 2022.



**Table 1: Summary of Sampling Events Performed from July 2022 through June 2023
Lemberger Landfill and Lemberger Transport and Recycling Site
Town of Franklin, Wisconsin**

Monitoring Point Groupings/Designations	2022						2023					
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June
Monitoring wells – LTR Sentinel Wells – EMP Revision 5 (RM-002D, RM-003D, RM-003XXD, RM-210D, RM-401XXD, RM-403XD, RM-404XXD ⁽¹⁾)			X	X		X				X		X
Monitoring wells – CVOC Plume Wells (I) – EMP Revision 5 (RM-005D, RM-007XD, RM-008D, RM-204D, RM-208D, RM-211D, RM-307D, RM-401XD, RM-402XD, RM-402XXD)				X						X		
Monitoring wells – CVOC Plume Wells (II) – EMP Revision 5 (OW-104F, RM-007D, RM-007XXD, RM-101D, RM-102D, RM-202D, RM-203D, RM-208XD, RM-212D, RM-213D, RM-213XD, RM-214D, RM-303D, RM-306D, RM-404XXD ⁽¹⁾)			X	X								
Monitoring wells – LL Wells – EMP Revision 5 (RM-005S, RM-206S, RM-207S, RM-208S, LH-01, LH-03, LH-06, LW-07)												X
LTR Residential wells (I) – EMP Revision 5 ⁽¹⁾ (GR-08 through GR-13, GR-26, GR-62, GR-63, GR-64, GR-66, GR-74)			X									
LTR Residential wells (II) – EMP Revision 5 (GR-14, GR-16, GR-30, GR-60R, GR-65, GR-73)			X									
LTR 5-Year Review Wells (III) – EMP Revision 5 (RM-004D, RM-103D, RM-301S, RM-302S, RM-304D, RM-305D, RM-308D, GR-72) ⁽²⁾												
MNA Monitoring – EMP Revision 5 (OW-104F, RM-002D, RM-003XXD, RM-007D, RM-007XD, RM-102D, RM-203D, RM-204D, RM-210D, RM-401XXD, RM-402XD, RM-404XXD)			X	X								
Water Levels Only – EMP Revision 5 (RM-004D, RM-010D, RM-301S, RM-302S, RM-305D) ⁽³⁾				X								X
Treatment system effluent ⁽⁴⁾												
Landfill gas – LTR Landfill					X							
PFAS Evaluation Wells – RM-007D, RM-401XD						X						

Notes:

- (I) = Group wells sampled on a semiannual schedule (March and September).
- (II) = Group wells sampled on an annual schedule (September).
- (III) = Group wells sampled on a special schedule, as specified in the table.

Monitoring point groupings/designations included in this table reflect all well groupings defined under any monitoring program (or programs) in effect during the reporting period.

Footnotes:

- ⁽¹⁾ Sampling schedule for RM-404XXD and LTR Residential Wells Group 1 reduced to annual in the EMP Revision 5, program beginning in March 2021.
- ⁽²⁾ Wells will be sampled every 5-years in conjunction with USEPA's 5-year review period. Wells were sampled in June 2019; next scheduled sampling will be in 2024.
- ⁽³⁾ Water elevation measurements were collected in June and September from wells RM-4D, RM-010D, and RM-305D; and in June from wells RM-301S and RM-302S.
- ⁽⁴⁾ The treatment system has been shut down since August 2006. System effluent was analyzed quarterly through September 2017 as a part of the routine system functionality testing. Effluent testing has been suspended following shutdown of the groundwater treatment system.

**Table 2: Vertical Hydraulic Gradients - July 2022 through June 2023
Lemberger Landfill and Lemberger Transport and Recycling Sites
Town of Franklin, Wisconsin**

Well	Sample Date	Screen Formation	Groundwater Elevation (h) ft.	Reference Elevation (L) ft.	Delta h (ft)	Delta L (ft.)	Vertical Gradient (i)	Direction of Gradient
RM-003D	30-Sep-22	LGU/Rock	802.01	756.9	-3.8	60.6	-0.063	Up
RM-003XXD	30-Sep-22	Rock	805.81	696.3				
RM-003D	3-Dec-22	LGU/Rock	801.64	756.9	-3.4	60.6	-0.056	Up
RM-003XXD	3-Dec-22	Rock	805.04	696.3				
RM-003D	7-Apr-23	LGU/Rock	803.37	756.9	-5.9	60.6	-0.097	Up
RM-003XXD	7-Apr-23	Rock	809.25	696.3				
RM-003D	25-Jun-23	LGU/Rock	803.20	756.9	-3.7	60.6	-0.061	Up
RM-003XXD	25-Jun-23	Rock	806.88	696.3				
RM-007D	28-Oct-22	Rock	805.71	805.7	1.4	61.9	0.022	Down
RM-007XD	28-Oct-22	Rock	804.34	743.8				
RM-007XD	28-Oct-22	Rock	804.34	743.8	-0.4	92.9	-0.004	Up
RM-007XXD	28-Oct-22	Rock	804.73	650.9				
RM-208D	24-Oct-22	Rock	800.80	775.1	5.9	120.3	0.049	Down
RM-208XD	24-Oct-22	Rock	794.90	654.8				
RM-213D	27-Oct-22	Rock	804.87	783.7	-1.0	43.2	-0.022	Up
RM-213XD	27-Oct-22	Rock	805.83	740.5				
RM-401XD	9-Apr-23	Rock	802.77	740.8	-6.3	44.8	-0.140	Up
RM-401XXD	9-Apr-23	Rock	809.02	696.0				
RM-402XD	26-Oct-22	Rock	805.79	741.3	0.2	45.3	0.004	Down
RM-402XXD	26-Oct-22	Rock	805.60	696.0				
RM-402XD	8-Apr-23	Rock	810.26	741.3	0.2	45.3	0.005	Down
RM-402XXD	8-Apr-23	Rock	810.02	696.0				

Notes:

Only well nests where water levels were collected on the same day are included in this table.

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 across the water table, and the midpoint 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.

LGU = lower granular unit.

Rock = bedrock.

Prepared by: M. Westover 11/16/2023

Checked by: TMO 11/21/2023

**Table 3: Summary of Groundwater Enforcement Standard (ES) Exceedances at
Plume Monitoring Wells – Volatile Organic Compounds
Lemberger Landfill Sites
Reporting Period July 2022 through June 2023**

Well ID	Sample Date	Parameter	Result	Data Qualifiers	Units	Standard ⁽¹⁾	Well Location
						ES ⁽²⁾	
RM-007D	28-Oct-22	1,1,1-TRICHLOROETHANE	267		UG/L	200	North side of LTR site
RM-007D	28-Oct-22	1,1-DICHLOROETHENE	27.7		UG/L	7	North side of LTR site
RM-007D	28-Oct-22	CIS-1,2-DICHLOROETHENE	82.5		UG/L	70	North side of LTR site
RM-007D	28-Oct-22	TRICHLOROETHENE	51.7		UG/L	5	North side of LTR site
RM-007XD	28-Oct-22	1,1,1-TRICHLOROETHANE	223		UG/L	200	North side of LTR site
RM-007XD	9-Apr-23	1,1,1-TRICHLOROETHANE	200	j-	UG/L	200	North side of LTR site
RM-007XD	28-Oct-22	1,1-DICHLOROETHENE	29.6		UG/L	7	North side of LTR site
RM-007XD	9-Apr-23	1,1-DICHLOROETHENE	36.8	j-	UG/L	7	North side of LTR site
RM-007XD	28-Oct-22	CIS-1,2-DICHLOROETHENE	74.8		UG/L	70	North side of LTR site
RM-007XD	9-Apr-23	CIS-1,2-DICHLOROETHENE	84.9	j-	UG/L	70	North side of LTR site
RM-007XD	28-Oct-22	TRICHLOROETHENE	44		UG/L	5	North side of LTR site
RM-007XD	9-Apr-23	TRICHLOROETHENE	43.4	j-	UG/L	5	North side of LTR site
RM-007XD DUP	28-Oct-22	1,1,1-TRICHLOROETHANE	206		UG/L	200	North side of LTR site
RM-007XD DUP	28-Oct-22	1,1-DICHLOROETHENE	23.3		UG/L	7	North side of LTR site
RM-007XD DUP	28-Oct-22	TRICHLOROETHENE	39.3		UG/L	5	North side of LTR site
RM-008D	8-Apr-23	TRICHLOROETHENE	15.1	j-	UG/L	5	500' south of LL site
RM-214D	27-Oct-22	VINYL CHLORIDE	1	J	UG/L	0.2	South side of LL site
RM-303D	28-Oct-22	1,1,1-TRICHLOROETHANE	295		UG/L	200	North side of LTR site
RM-303D	28-Oct-22	1,1-DICHLOROETHENE	12.7		UG/L	7	North side of LTR site
RM-303D	28-Oct-22	CIS-1,2-DICHLOROETHENE	98.5		UG/L	70	North side of LTR site
RM-303D	28-Oct-22	TRICHLOROETHENE	86.6		UG/L	5	North side of LTR site
RM-307D	27-Oct-22	TRICHLOROETHENE	9.9		UG/L	5	West side of LTR site
RM-307D	9-Apr-23	TRICHLOROETHENE	7.5		UG/L	5	West side of LTR site
RM-402XD	8-Apr-23	1,1-DICHLOROETHENE	15.8	j-	UG/L	7	400' Northwest of LTR site
RM-402XD	26-Oct-22	1,1-DICHLOROETHENE	20.1		UG/L	7	400' Northwest of LTR site
RM-402XD	8-Apr-23	TRICHLOROETHENE	10	j-	UG/L	5	400' Northwest of LTR site
RM-402XD	26-Oct-22	TRICHLOROETHENE	11.7		UG/L	5	400' Northwest of LTR site
RM-402XXD	8-Apr-23	TRICHLOROETHENE	12.4	j-	UG/L	5	400' Northwest of LTR site
RM-402XXD	26-Oct-22	TRICHLOROETHENE	5		UG/L	5	400' Northwest of LTR site
RM-403XD	29-Sep-22	1,1-DICHLOROETHENE	8		UG/L	7	400' West of LTR site
RM-403XD	3-Dec-22	1,1-DICHLOROETHENE	9.7		UG/L	7	400' West of LTR site
RM-403XD	29-Sep-22	TRICHLOROETHENE	17.4		UG/L	5	400' West of LTR site
RM-403XD	7-Apr-23	TRICHLOROETHENE	7.5		UG/L	5	400' West of LTR site
RM-403XD	3-Dec-22	TRICHLOROETHENE	14.4		UG/L	5	400' West of LTR site
RM-403XD	25-Jun-23	TRICHLOROETHENE	13.8		UG/L	5	400' West of LTR site

Notes:

(1) Table includes exceedances where the reported concentration is between the Limit of Detection and Limit of Quantitation ("J" data qualifier).

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

Laboratory data qualifiers are defined in the sample data packages.

LTR = Lemberger Transport and Recycling

LL = Lemberger Landfill



LEGEND

- BEDROCK BORING
- GW COLLECTION SUMP (GWC)
- GW EXTRACTION WELL (EW)
- GW OBSERVATION WELL (OW)
- LEACHATE HEAD WELL (LH)
- LEACHATE WITHDRAWAL WELL (LW)
- MONITORING WELL (RM)
- RESIDENTIAL WELL (GR)
- STAFF GAUGE (SG)
- LANDFILL AREA

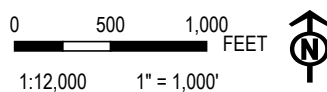
NOTES

1. AERIAL IMAGERY FROM MANITOWOC COUNTY, 2020.
2. MAP COORDINATES ARE WISCONSIN STATE PLANE, SOUTH ZONE, NAD 83, US SURVEY FOOT.

PROJECT: **LEMBERGER SITES**
TOWN OF FRANKLIN, WISCONSIN
O&M PROGRESS REPORT NO. 33

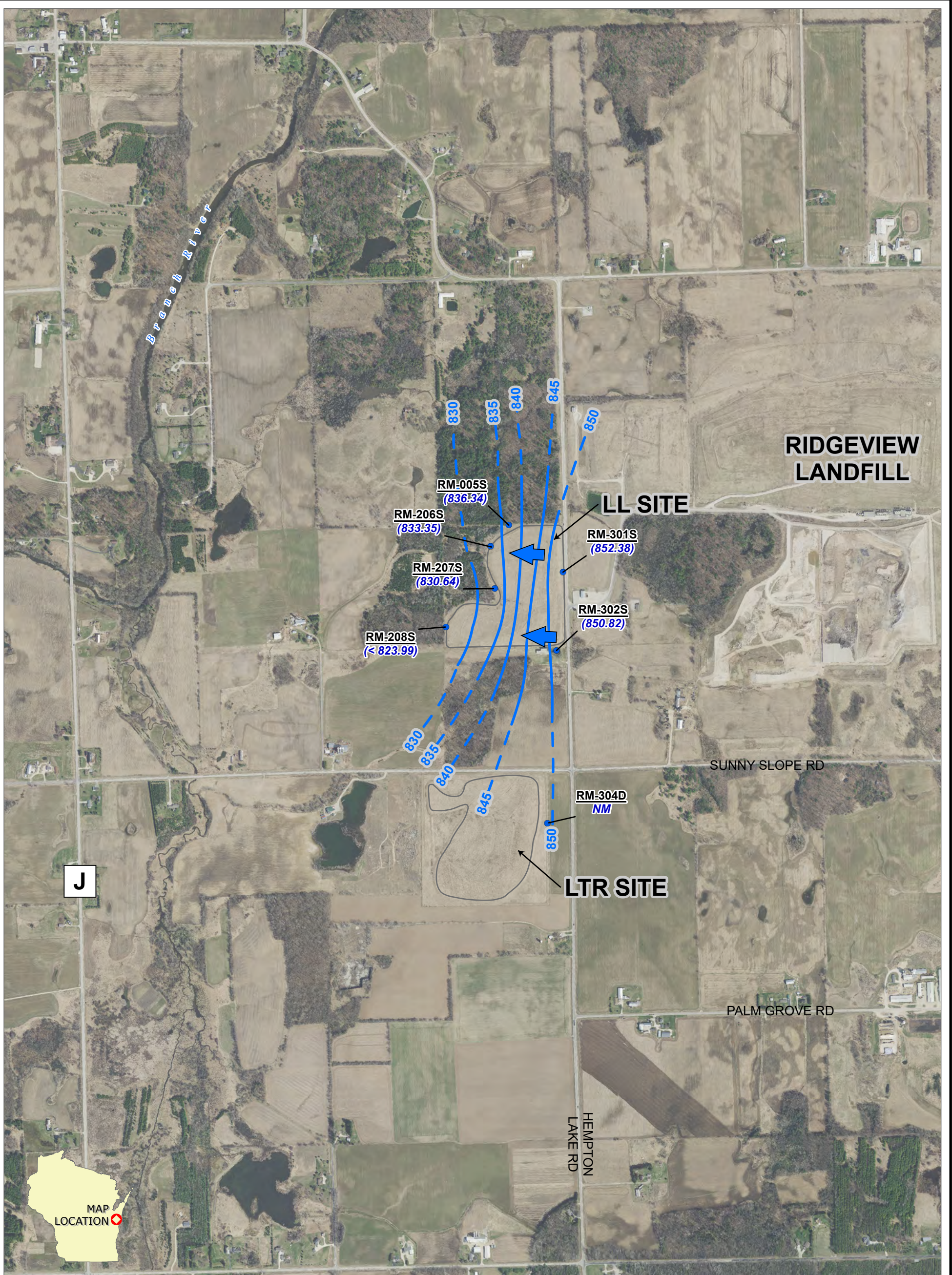
TITLE: **SITE FEATURES**

DRAWN BY: A. HORRIE	PROJ. NO.: 525156
CHECKED BY: M. GIAMBATTISTA	FIGURE 1
APPROVED BY: M. WESTOVER	
DATE: NOVEMBER 2023	



999 FOURIER DRIVE
 SUITE 101
 MADISON, WI 53717
 PHONE: 608.826.3663

FILE: LEMBERGER_OANDM_REPORTFIGURES

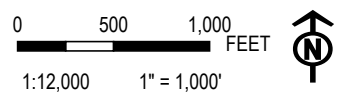


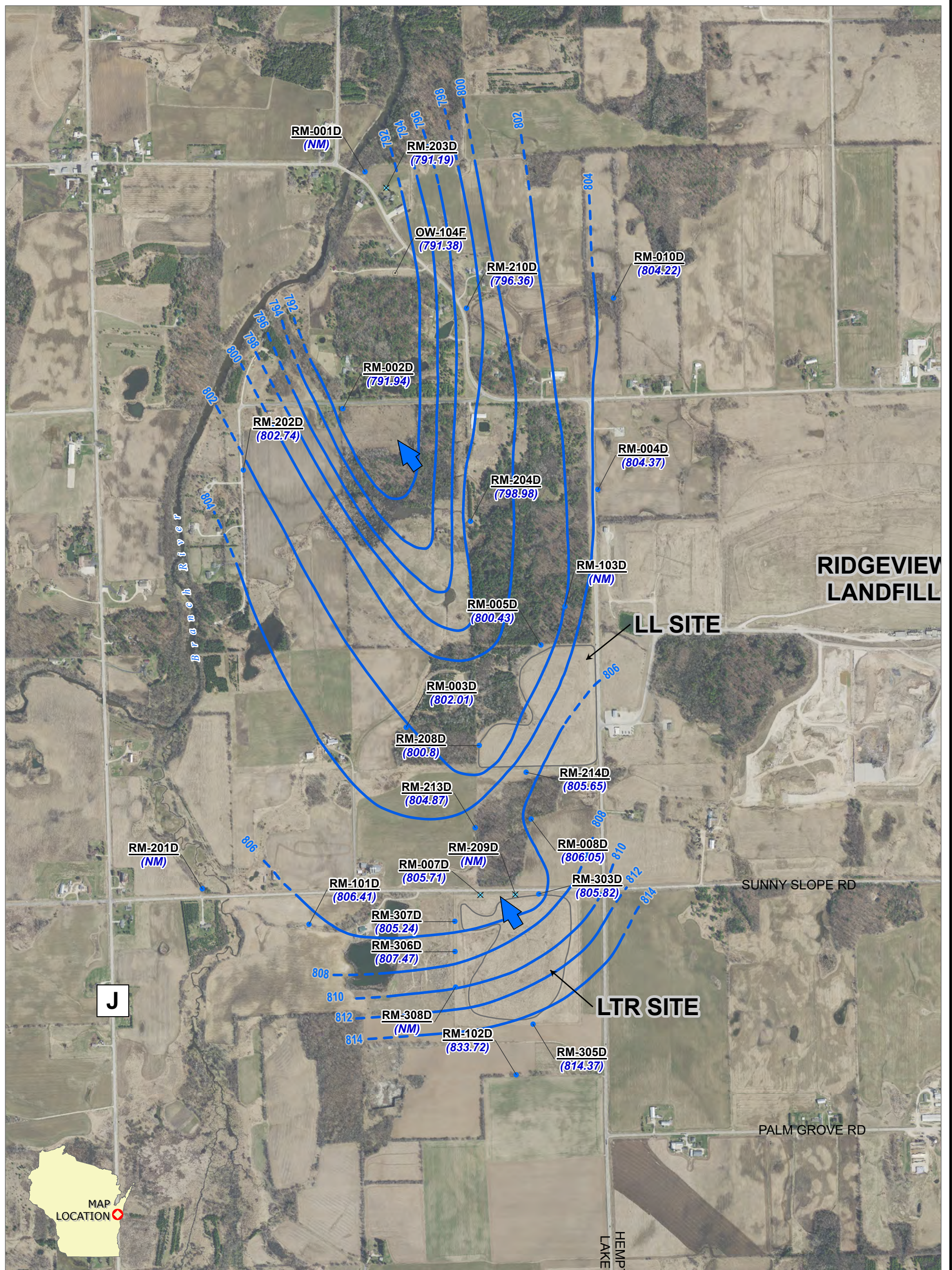
LEGEND	
	MONITORING WELL
	LANDFILL AREA
	GROUNDWATER FLOW DIRECTION
	GROUNDWATER ELEVATION CONTOUR (FT MSL, 5' INTERVAL, DASHED WHERE INFERRED)

LABEL FORMAT
SAMPLE ID GROUNDWATER ELEVATION (FT MSL)

- NOTES**
1. AERIAL IMAGERY FROM MANITOWOC COUNTY, 2020.
 2. WATER ELEVATIONS MEASURED JUNE 25 - 29, 2023.

PROJECT: LEMBERGER SITES	
TOWN OF FRANKLIN, WISCONSIN O&M PROGRESS REPORT NO. 33	
TITLE: UGU WATER TABLE MAP JUNE 2023	
DRAWN BY: A. HORRIE	PROJ. NO.: 525156
CHECKED BY: M. GIAMBATTISTA	FIGURE 2
APPROVED BY: M. WESTOVER	
DATE: NOVEMBER 2023	
999 FOURIER DRIVE SUITE 101 MADISON, WI 53717 PHONE: 608.826.3663	
FILE:	LEMBERGER_OANDM_REPORT\FIGURES



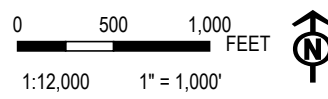


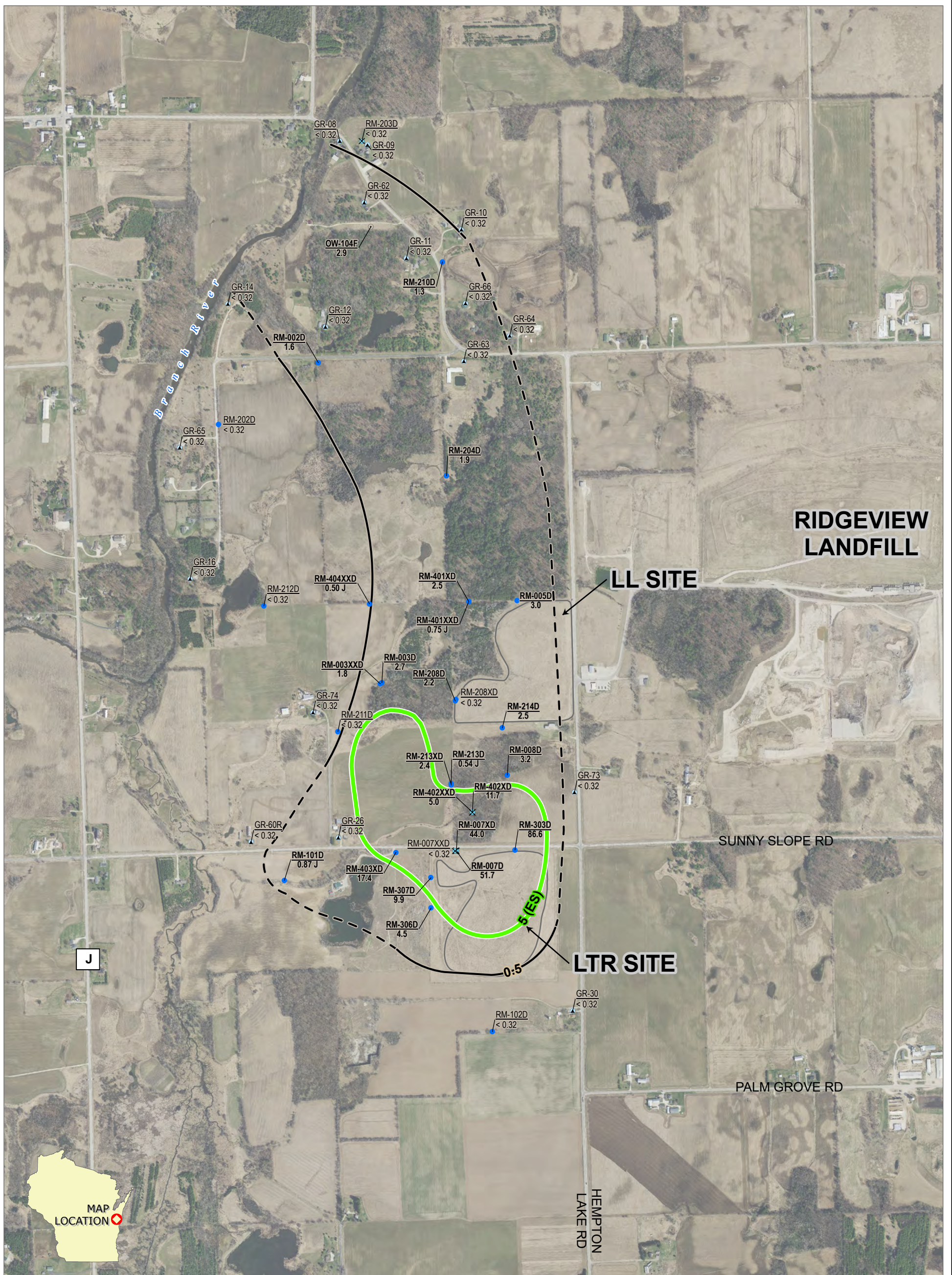
LEGEND	
SAMPLE AND MONITORING LOCATIONS	
✕	GW EXTRACTION WELL (EW)
○	GW OBSERVATION WELL (OW)
●	MONITORING WELL (RM)
	LANDFILL AREA
	GROUNDWATER ELEVATION CONTOUR (FT MSL, 5' INTERVAL, DASHED WHERE INFERRED)

LABEL FORMAT
SAMPLE ID
GROUNDWATER ELEVATION (FT MSL)

- NOTES**
1. AERIAL IMAGERY FROM MANITOWOC COUNTY, 2020.
 2. WATER ELEVATIONS MEASURED SEPTEMBER 29 THROUGH OCTOBER 28, 2022.
 3. WELL RM-102D NOT USED FOR CONTOURING.

PROJECT: LEMBERGER SITES	
TOWN OF FRANKLIN, WISCONSIN O&M PROGRESS REPORT NO. 33	
TITLE: LGU AND BEDROCK POTENTIOMETRIC SURFACE MAP SEPTEMBER/OCTOBER 2022	
DRAWN BY: A. HORRIE	PROJ. NO.: 525156
CHECKED BY: M. GIAMBATTISTA	FIGURE 3
APPROVED BY: M. WESTOVER	
DATE: NOVEMBER 2023	
999 FOURIER DRIVE SUITE 101 MADISON, WI 53717 PHONE: 608.826.3663	
FILE:	LEMBERGER_OANDM_REPORTFIGURES





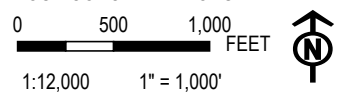
LEGEND	
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	GW OBSERVATION WELL (OW)
	MONITORING WELL (RM)
	RESIDENTIAL WELL (GR)
	LANDFILL AREA
	ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
	ENFORCEMENT STANDARD (ES) CONTOUR

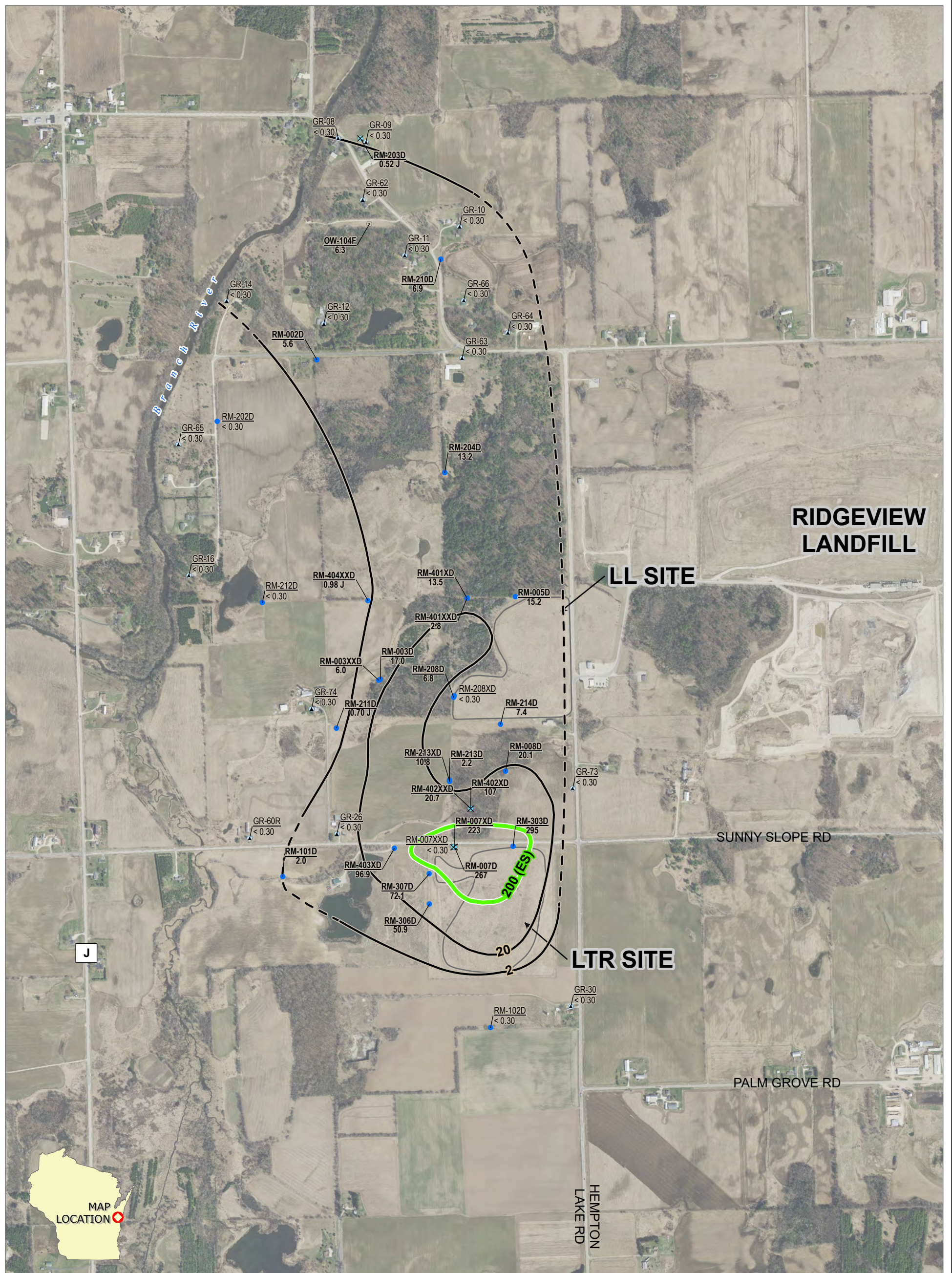
LABEL FORMAT	
<u>SAMPLE ID</u>	SAMPLE RESULTS (µg/L)
BOLD IF DETECTED	

NOTES

1. AERIAL IMAGERY FROM MANITOWOC COUNTY, 2020.
2. ANALYTICAL RESULTS ARE SHOWN IN: µg/L.
3. "J" = RESULT IS BETWEEN THE LIMIT OF DETECTION (LOD) AND THE LIMIT OF QUANTIFICATION (LOQ). J = RESULT IS ESTIMATED; A HIGH OR LOW BIAS IS INDICATED BY A "+" OR A "-".
4. NON-DETECT RESULTS ARE REPORTED AS "<LOD".
5. THIS PARAMETER WAS NOT DETECTED IN RESIDENTIAL WELL SAMPLES DURING THE REPORTING PERIOD; RESIDENTIAL WELL RESULTS ARE NOT USED FOR CONTOURING.
6. THE HIGHEST OBSERVED CONCENTRATION AT EACH WELL NEST WAS USED TO CONTOUR CONCENTRATIONS.

PROJECT: LEMBERGER SITES	
TOWN OF FRANKLIN, WISCONSIN O&M PROGRESS REPORT NO. 33	
TITLE: TRICHLOROETHANE (TCE) CONCENTRATIONS LGU AND BEDROCK UNITS SEPTEMBER/OCTOBER 2022	
DRAWN BY: A. HORRIE	PROJ. NO.: 525156
CHECKED BY: M. GIAMBATTISTA	FIGURE 4
APPROVED BY: M. WESTOVER	
DATE: NOVEMBER 2023	
999 FOURIER DRIVE SUITE 101 MADISON, WI 53717 PHONE: 608.826.3663	
FILE:	LEMBERGER_OANDM_REPORTFIGURES



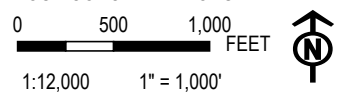


LEGEND	
	GW EXTRACTION WELL (EW)
	GW OBSERVATION WELL (OW)
	MONITORING WELL (RM)
	RESIDENTIAL WELL (GR)
	LANDFILL AREA
	ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
	ENFORCEMENT STANDARD (ES) CONTOUR

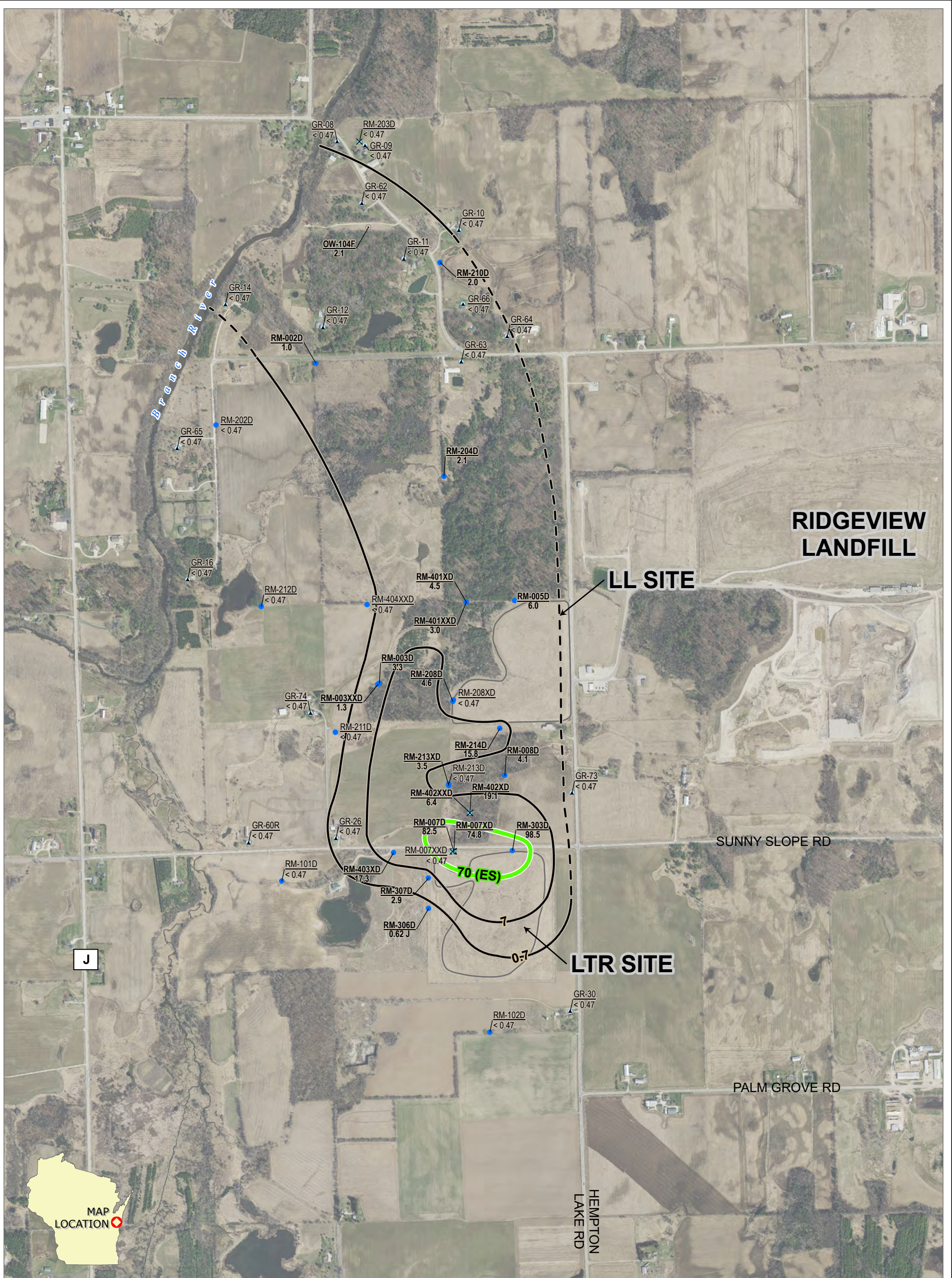
LABEL FORMAT	
<u>SAMPLE ID</u>	SAMPLE RESULTS (µg/L)
BOLD IF DETECTED	

NOTES

1. AERIAL IMAGERY FROM MANITOWOC COUNTY, 2020.
2. ANALYTICAL RESULTS ARE SHOWN IN: µg/L.
3. "J" = RESULT IS BETWEEN THE LIMIT OF DETECTION (LOD) AND THE LIMIT OF QUANTIFICATION (LOQ). J = RESULT IS ESTIMATED; A HIGH OR LOW BIAS IS INDICATED BY A "+" OR A "-".
4. NON-DETECT RESULTS ARE REPORTED AS "<LOD".
5. THIS PARAMETER WAS NOT DETECTED IN RESIDENTIAL WELL SAMPLES DURING THE REPORTING PERIOD; RESIDENTIAL WELL RESULTS ARE NOT USED FOR CONTOURING.
6. THE HIGHEST OBSERVED CONCENTRATION AT EACH WELL NEST WAS USED TO CONTOUR CONCENTRATIONS.



PROJECT: LEMBERGER SITES	
TOWN OF FRANKLIN, WISCONSIN O&M PROGRESS REPORT NO. 33	
TITLE: 1,1,1-TRICHLOROETHANE CONCENTRATIONS LGU AND BEDROCK UNITS SEPTEMBER/OCTOBER 2022	
DRAWN BY: A. HORRIE	PROJ. NO.: 525156
CHECKED BY: M. GIAMBATTISTA	FIGURE 5
APPROVED BY: M. WESTOVER	
DATE: NOVEMBER 2023	
999 FOURIER DRIVE SUITE 101 MADISON, WI 53717 PHONE: 608.826.3663	
FILE: LEMBERGER_OANDM_REPORTFIGURES	

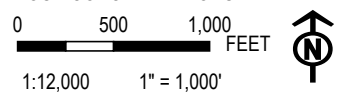


LEGEND	
	GW EXTRACTION WELL (EW)
	GW OBSERVATION WELL (OW)
	MONITORING WELL (RM)
	RESIDENTIAL WELL (GR)
	LANDFILL AREA
	ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
	ENFORCEMENT STANDARD (ES) CONTOUR

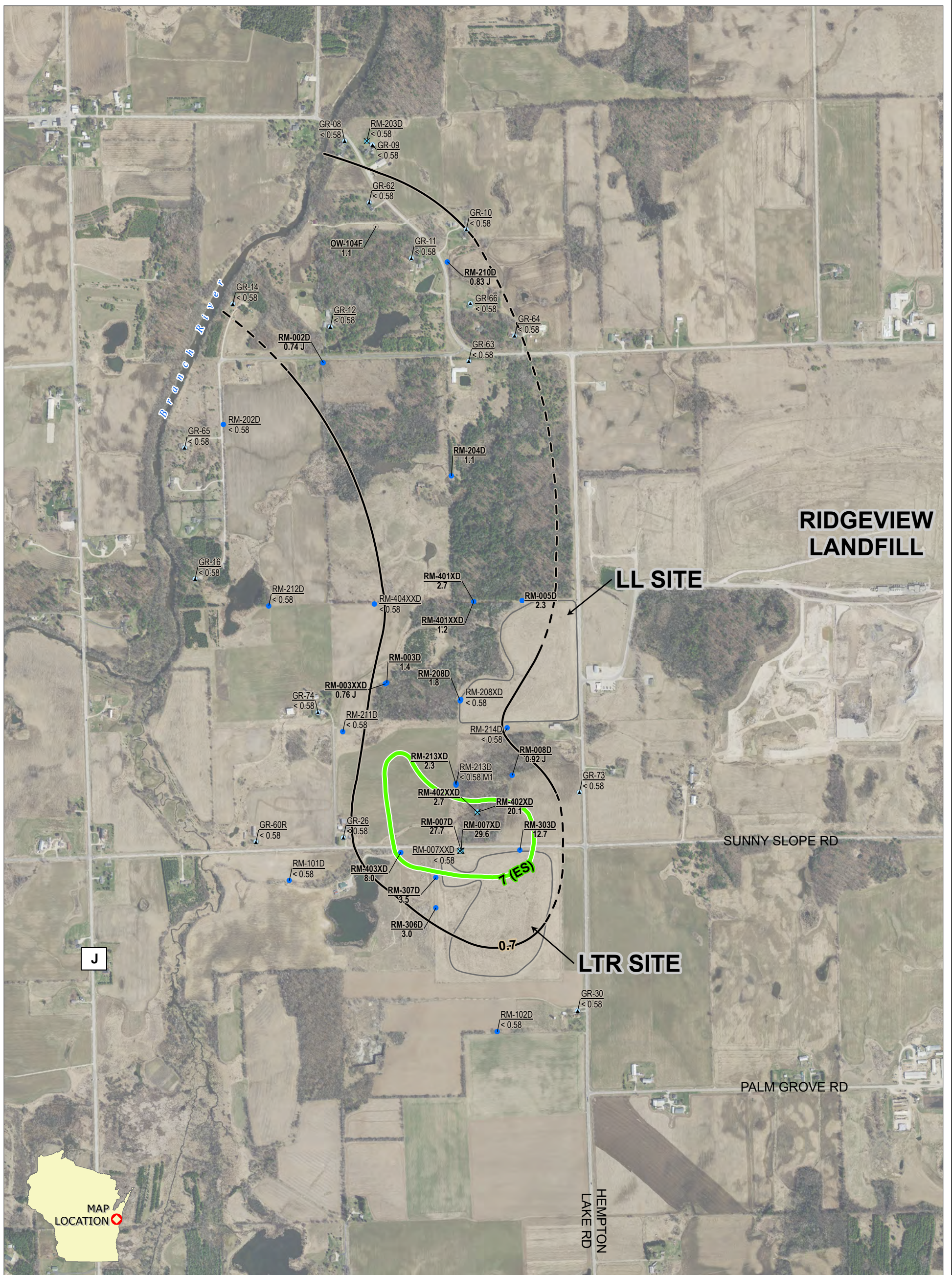
LABEL FORMAT	
<u>SAMPLE ID</u>	SAMPLE RESULTS (µg/L)
BOLD IF DETECTED	

NOTES

1. AERIAL IMAGERY FROM MANITOWOC COUNTY, 2020.
2. ANALYTICAL RESULTS ARE SHOWN IN: µg/L.
3. "J" = RESULT IS BETWEEN THE LIMIT OF DETECTION (LOD) AND THE LIMIT OF QUANTIFICATION (LOQ). J = RESULT IS ESTIMATED; A HIGH OR LOW BIAS IS INDICATED BY A "+" OR A "-".
4. NON-DETECT RESULTS ARE REPORTED AS "<LOD".
5. THIS PARAMETER WAS NOT DETECTED IN RESIDENTIAL WELL SAMPLES DURING THE REPORTING PERIOD; RESIDENTIAL WELL RESULTS ARE NOT USED FOR CONTOURING.
6. THE HIGHEST OBSERVED CONCENTRATION AT EACH WELL NEST WAS USED TO CONTOUR CONCENTRATIONS.



PROJECT: LEMBERGER SITES	
TOWN OF FRANKLIN, WISCONSIN O&M PROGRESS REPORT NO. 33	
TITLE: CIS-1,2-DICHLOROETHENE CONCENTRATIONS LGU AND BEDROCK UNITS SEPTEMBER/OCTOBER 2022	
DRAWN BY: A. HORRIE	PROJ. NO.: 525156
CHECKED BY: M. GIAMBATTISTA	FIGURE 6
APPROVED BY: M. WESTOVER	
DATE: NOVEMBER 2023	
999 FOURIER DRIVE SUITE 101 MADISON, WI 53717 PHONE: 608.826.3663	
FILE:	LEMBERGER_OANDM_REPORTFIGURES

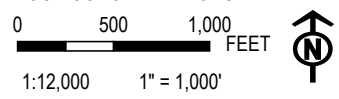


LEGEND	
	GW EXTRACTION WELL (EW)
	GW OBSERVATION WELL (OW)
	MONITORING WELL (RM)
	RESIDENTIAL WELL (GR)
	LANDFILL AREA
	ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
	ENFORCEMENT STANDARD (ES) CONTOUR

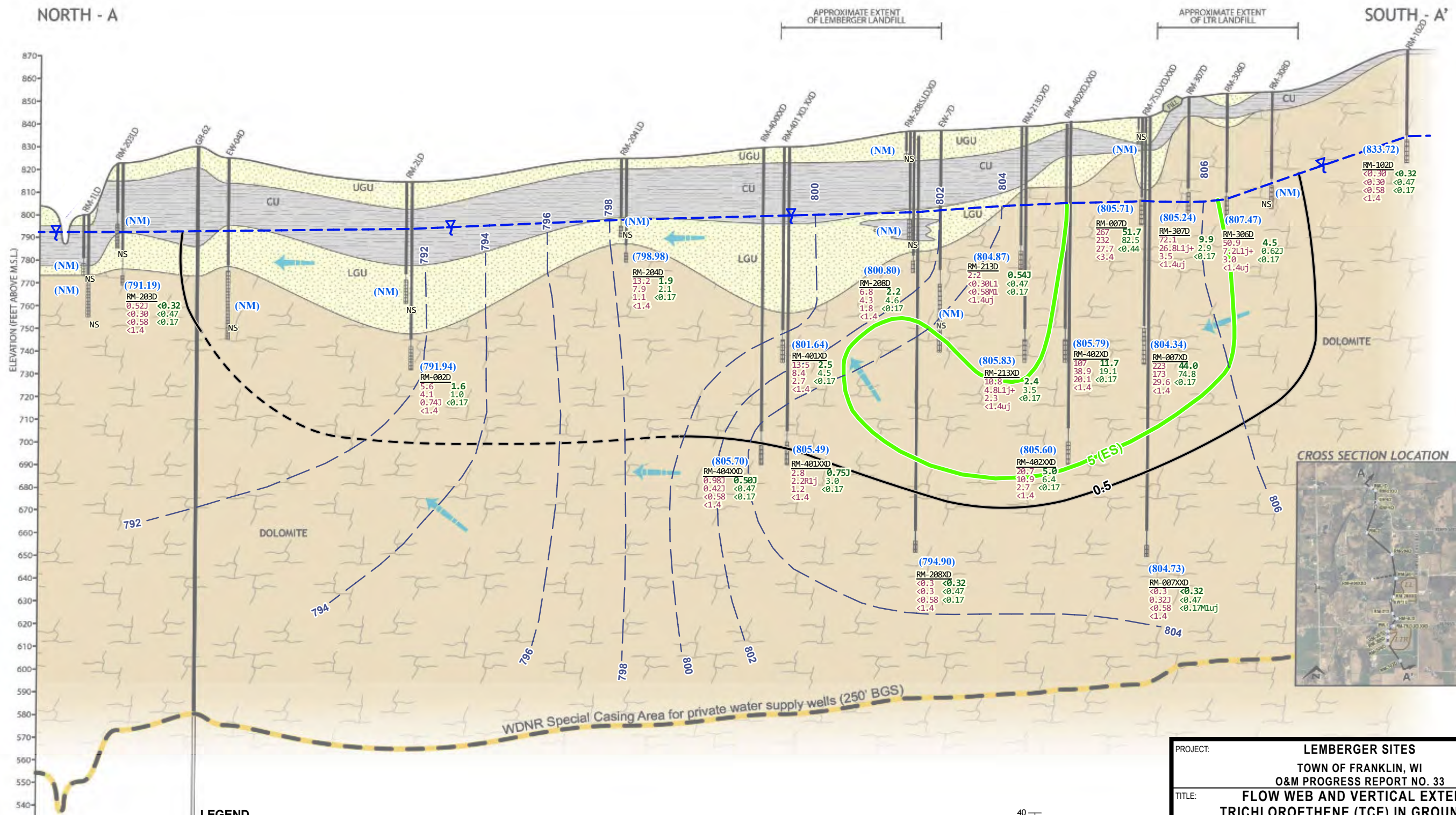
LABEL FORMAT	
<u>SAMPLE ID</u>	SAMPLE RESULTS (µg/L)
BOLD IF DETECTED	

NOTES

1. AERIAL IMAGERY FROM MANITOWOC COUNTY, 2020.
2. ANALYTICAL RESULTS ARE SHOWN IN: µg/L.
3. "J" = RESULT IS BETWEEN THE LIMIT OF DETECTION (LOD) AND THE LIMIT OF QUANTIFICATION (LOQ). J = RESULT IS ESTIMATED; A HIGH OR LOW BIAS IS INDICATED BY A "+" OR A "-".
4. NON-DETECT RESULTS ARE REPORTED AS "<LOD".
5. THIS PARAMETER WAS NOT DETECTED IN RESIDENTIAL WELL SAMPLES DURING THE REPORTING PERIOD; RESIDENTIAL WELL RESULTS ARE NOT USED FOR CONTOURING.
6. THE HIGHEST OBSERVED CONCENTRATION AT EACH WELL NEST WAS USED TO CONTOUR CONCENTRATIONS.



PROJECT: LEMBERGER SITES	
TOWN OF FRANKLIN, WISCONSIN O&M PROGRESS REPORT NO. 33	
TITLE: 1,1-DICHLOROETHENE CONCENTRATIONS LGU AND BEDROCK UNITS SEPTEMBER/OCTOBER 2022	
DRAWN BY: A. HORRIE	PROJ. NO.: 525156
CHECKED BY: M. GIAMBATTISTA	FIGURE 7
APPROVED BY: M. WESTOVER	
DATE: NOVEMBER 2023	
999 FOURIER DRIVE SUITE 101 MADISON, WI 53717 PHONE: 608.826.3663	
FILE: LEMBERGER_OANDM_REPORTFIGURES	

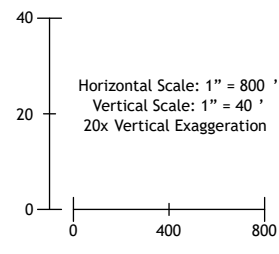


LEGEND

- STRATIGRAPHIC BOUNDARY, DASHED WHERE INFERRED
- UGU UPPER GRANULAR UNIT
- CU CLAY CONFINING UNIT
- LGU LOWER GRANULAR UNIT
- DOLOMITE BEDROCK
- WELL CONSTRUCTION DETAILS
 - WELL CASING
 - WELL SEAL
 - WELL SCREEN
 - OPEN HOLE (NO SCREEN)
- (803.70) - GROUNDWATER ELEVATION SEPT/OCT 2022
- POTENTIOMETRIC SURFACE
- EQUIPOTENTIAL CONTOUR LINE
- ← GROUNDWATER FLOW DIRECTION

- VOC RESULTS -**
- 1,1,1-TCA (µg/L)
 - 1,1-DCA (µg/L)
 - 1,1-DCE (µg/L)
 - CHLOROETHANE (µg/L)
 - TCE (µg/L)
 - cis-1,2-DCE (µg/L)
 - VINYL CHLORIDE (µg/L)
- NS NOT SAMPLED
- J COMPOUND DETECTED BETWEEN LIMITS OF DETECTION (LOD) AND LIMIT OF QUANTIFICATION (LOQ)
 - j SPECIFIC QC CRITERIA ARE OUTSIDE CONTROL LIMITS, REPORTED VALUE IS ESTIMATED
 - J+ REPORTED VALUE IS ESTIMATED WITH A HIGH BIAS
 - J- REPORTED VALUE IS ESTIMATED WITH A LOW BIAS

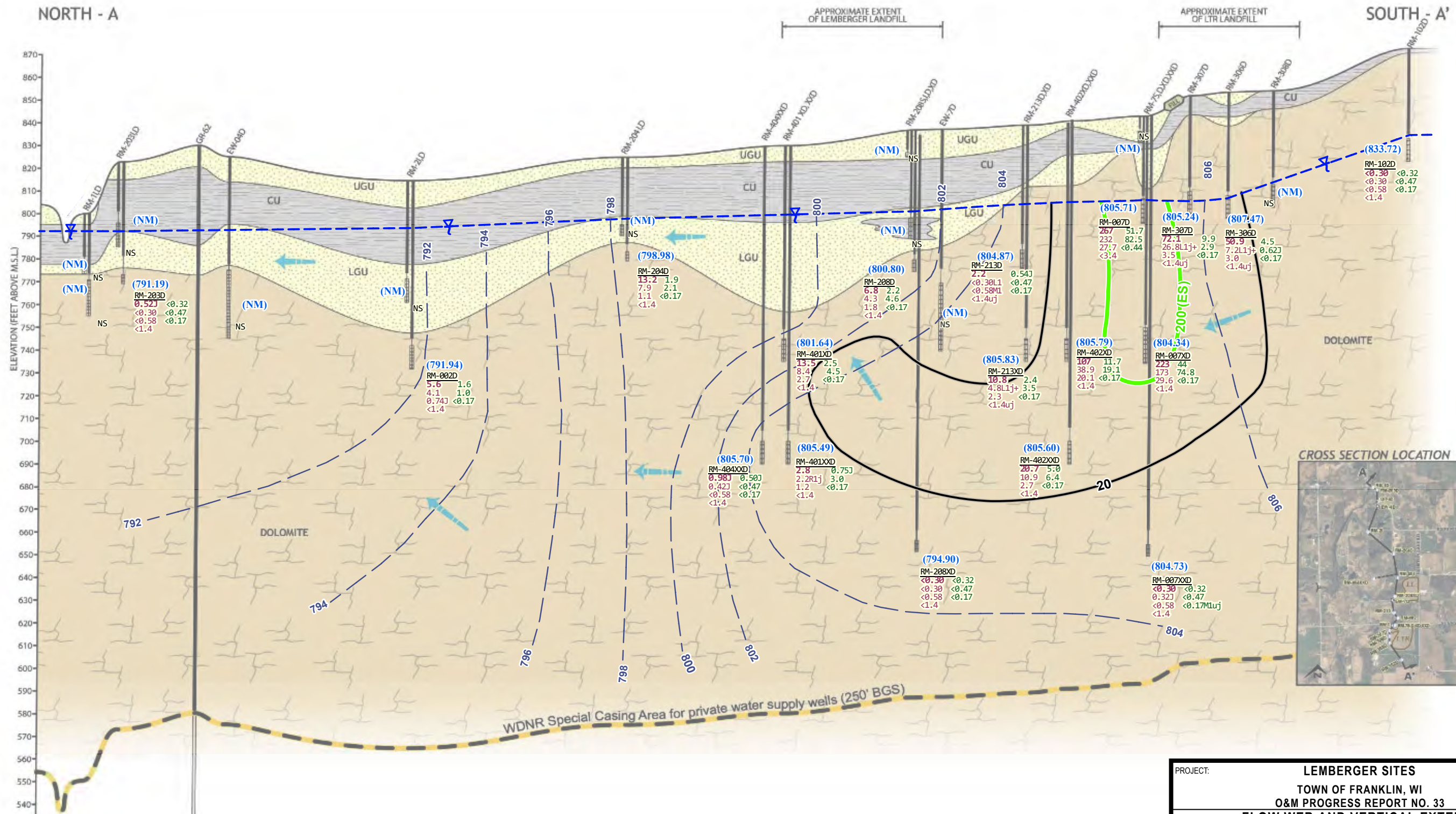
- NOTES**
- 1,1,1-TRICHLOROETHENE (TCE) 2022 O3 ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
 - TCE ENFORCEMENT STANDARD (ES) CONTOUR
 1. WATER LEVEL RECORDED AT WELL RM-208XD APPEARS ANOMALOUSLY LOW BASED ON HISTORICAL MEASUREMENTS. WATER ELEVATION NOT USED IN THE INTERPRETATION OF EQUIPOTENTIAL CONTOURS.



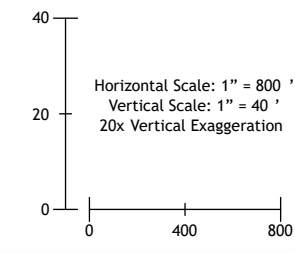
PROJECT:	LEMBERGER SITES		
	TOWN OF FRANKLIN, WI		
	O&M PROGRESS REPORT NO. 33		
TITLE:	FLOW WEB AND VERTICAL EXTENT OF TRICHLOROETHENE (TCE) IN GROUNDWATER		
	SEPTEMBER/OCTOBER 2022		
DRAWN BY:	A. HORRIE	PROJ. NO.	525156
CHECKED BY:	M. GIAMBATTISTA	FIGURE 8	
APPROVED BY:	M. WESTOVER		
DATE:	NOVEMBER 2023		
FILE:	LEMBERGER_OANDMREPORT_XSECTIONS.APRX		



999 FOURIER DRIVE
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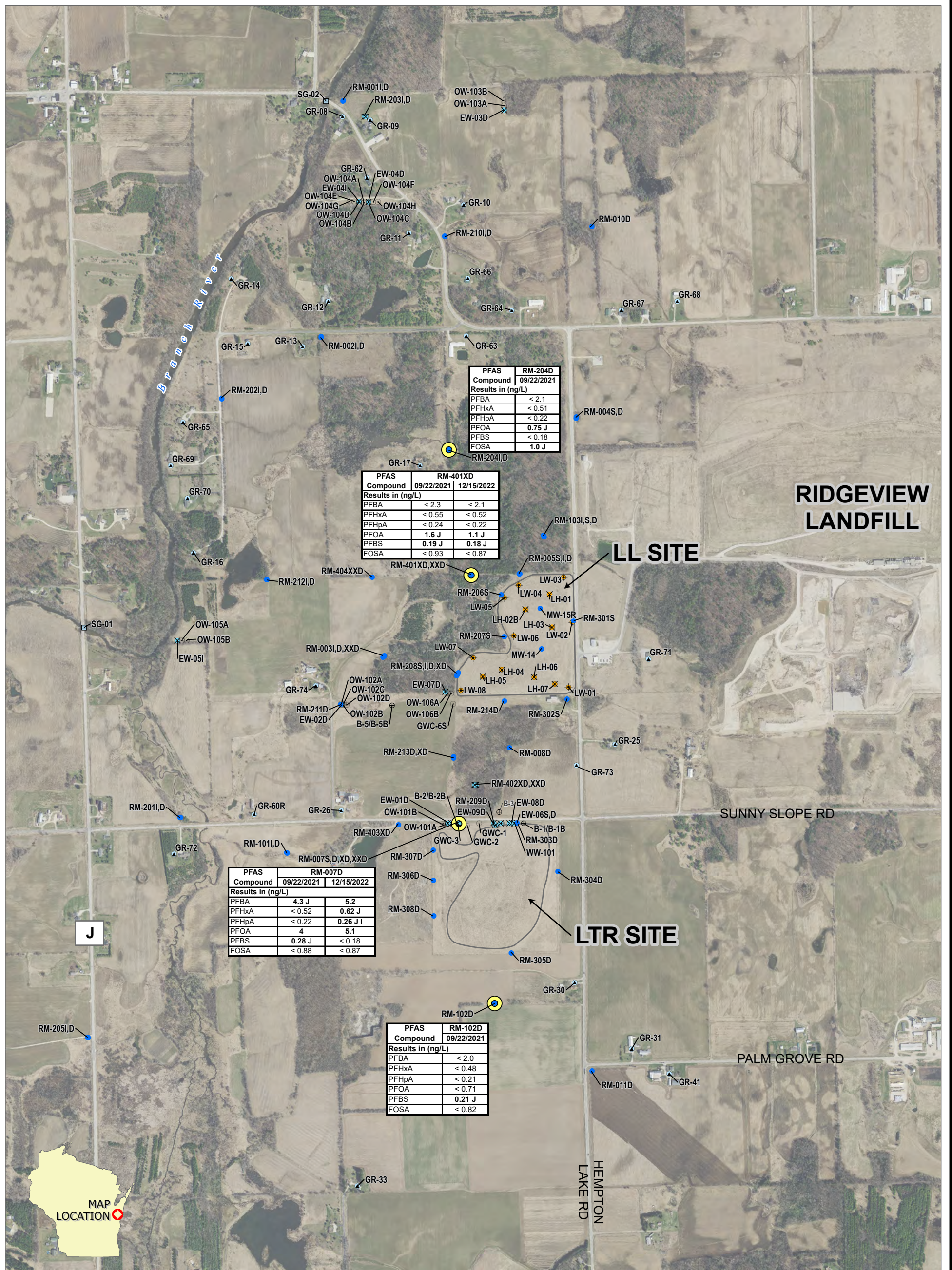


PROJECT:		LEMBERGER SITES	
		TOWN OF FRANKLIN, WI	
		O&M PROGRESS REPORT NO. 33	
TITLE: FLOW WEB AND VERTICAL EXTENT OF 1,1,1 - TRICHLOROETHANE (TCA) IN GROUNDWATER SEPTEMBER/OCTOBER 2022			
DRAWN BY:	A. HORRIE	PROJ. NO.	525156
CHECKED BY:	M. GIAMBATTISTA	FIGURE 9	
APPROVED BY:	M. WESTOVER		
DATE:	NOVEMBER 2023		
FILE:		LEMBERGER_OANDMREPORT_XSECTIONS.APRX	



999 FOURIER DRIVE
SUITE 101
MADISON, WI 53717
PHONE: 608.826.3663





LEGEND

- | | | | |
|---|--------------------------|----|-----------------------------------|
| ⊕ | BEDROCK BORING | ⊕ | LEACHATE WITHDRAWAL WELL (LW) |
| ○ | GW COLLECTION SUMP (GWC) | ● | MONITORING WELL (RM) |
| ✕ | GW EXTRACTION WELL (EW) | ▲ | RESIDENTIAL WELL (GR) |
| ⊙ | GW OBSERVATION WELL (OW) | ≡ | STAFF GAUGE (SG) |
| ✕ | LEACHATE HEAD WELL (LH) | ⊙ | WELLS SAMPLED FOR PFAS EVALUATION |
| | | 🗺️ | LANDFILL AREA |

NOTES

- AERIAL IMAGERY FROM MANITOWOC COUNTY, 2020.
- DATA ARE IN NG/L. SEE TABLE 1 FOR DATA QUALIFIER DEFINITIONS.

PROJECT: **LEMBERGER SITES**

TOWN OF FRANKLIN, WISCONSIN
 O&M PROGRESS REPORT NO. 33

TITLE: **PFAS SAMPLING LOCATIONS AND RESULTS**

DRAWN BY: A. HORRIE PROJ. NO.: 525156

CHECKED BY: M. GIAMBATTISTA

APPROVED BY: M. WESTOVER

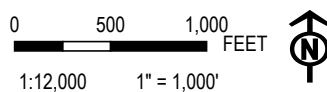
DATE: NOVEMBER 2023

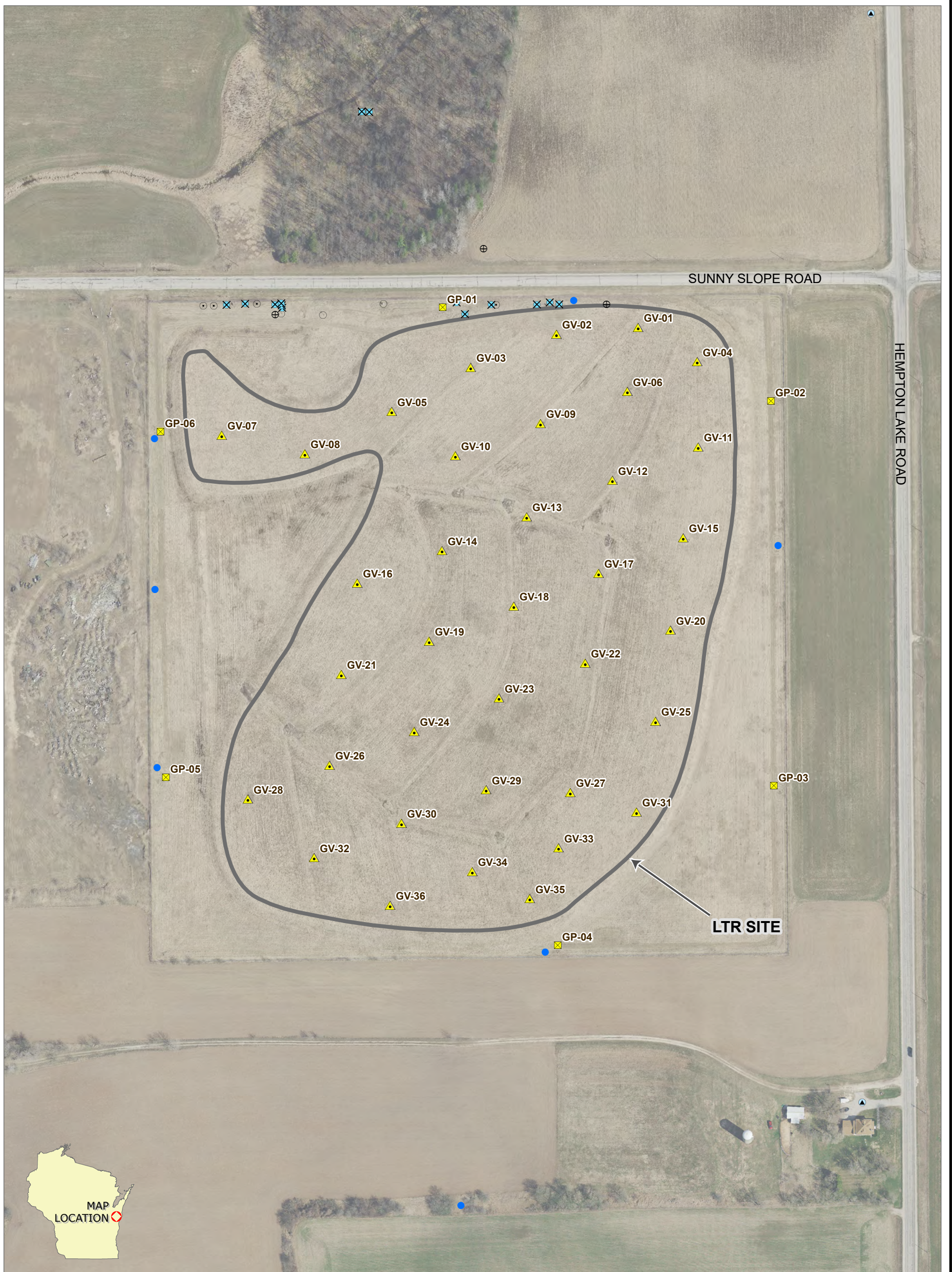
FIGURE 10



999 FOURIER DRIVE
 SUITE 101
 MADISON, WI 53717
 PHONE: 608.826.3663

FILE: LEMBERGER_OANDM_REPORTFIGURES





LEGEND

SAMPLE AND MONITORING LOCATIONS

- GAS PROBE
- GAS VENT
- BEDROCK BORING
- GW COLLECTION SUMP (GWC)
- GW EXTRACTION WELL (EW)
- GW OBSERVATION WELL (OW)
- MONITORING WELL (RM)
- RESIDENTIAL WELL (GR)

LANDFILL AREA

NOTES

1. AERIAL IMAGERY FROM MANITOWOC COUNTY, 2020.
2. GAS PROBE AND VENT LOCATIONS DIGITIZED FROM 1996 MILLER/TERRA CAD DRAWING.

PROJECT: **LEMBERGER SITES**
TOWN OF FRANKLIN, WISCONSIN
O&M PROGRESS REPORT NO. 33

TITLE: **GAS PROBE AND GAS VENT LOCATIONS**
LTR SITE

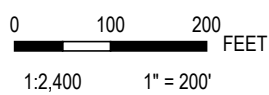
DRAWN BY: A. HORRIE PROJ. NO.: 525156

CHECKED BY: M. GIAMBATTISTA

APPROVED BY: M. WESTOVER

DATE: NOVEMBER 2023

FIGURE 11



999 FOURIER DRIVE
 SUITE 101
 MADISON, WI 53717
 PHONE: 608.826.3663

FILE: LEMBERGER_OANDM_REPORT\FIGURES

Appendix A: Site Inspection Reports

**SITE INSPECTION CHECKLIST
LEMBERGER LANDFILL CLOSURE STRUCTURE**

Date: 11-8-2022
Inspected By: Mark Brooks

Item	Acceptable	Not Acceptable	Present	Not Present	Location	Remarks
1. Vegetation Cover:						
a. Landfill Site:						
Bare Spots				X		
Dead Areas				X		
Undesirable Growth				X		
b. Drainage Structures:						
Bare Spots				X		
Dead Areas				X		
Undesirable Growth				X		
2. Soil Cover:						
Slope Movement and Condition	X			X		
Unallowed Trees On Cover	X					
Erosion Damage				X		
Settlement				X		
Holes				X		
Bare Spots				X		
Vector Infestation				X		
Waste Breakthrough				X		
Leachate Breakthrough				X		
Vandalism				X		
Unauthorized Dumping				X		
Litter				X		
3. Landfill Closure System:						
Odor				X		
Damage or Vandalism				X		
Settlement				X		
Vector Infestation				X		
Bird Screen			X			
4. Site Fence:						
Damage or Vandalism				X		
Loose Fence Post				X		
Damage to Corner Post				X		
Gate						
Gate Lock			X			

ADDITIONAL COMMENTS:

**SITE INSPECTION CHECKLIST
LEMBERGER LANDFILL CLOSURE STRUCTURE**

Date: 11-8-2022
 Inspected By: Mark Brooks

Item	Acceptable	Not Acceptable	Present	Not Present	Location	Remarks
5. Leachate Collection Wells:						
Damage or Vandalism				X		
Settlement				X		
Well Cap			X			
Well Lock			X			
6. Erosion Control Systems:						
a. Diversion Swales:						
Silt Accumulation				X		
Ponded Water				X		
Wash Outs				X		
Vegetative Cover	X		X			
Erosion Control Matting	X		X			
b. Downchutes:						
Silt Accumulation				X		
Ponded Water				X		
Wash Outs				X		
Vegetative Cover	X		X			
Erosion Control Matting	X		X			
c. Riprap Aprons:						
Damage or Instability				X		
Soil Erosion Around				X		
Excessive Veg. Growth				X		
d. Gabion Spillway:						
Damage or Instability				X		
Soil Erosion Beneath				X		
Slippage of Gabion				X		
Gabion Basket Corrosion				X		
e. Sedimentation Basin:						
Silt Accumulation				X		
Ponded Water				X		
Erosion Damage at Inflow				X		
Vegetative Cover	X		X			
f. Toe Weeps:						
(Location)						
(Location)						
(Location)						

ADDITIONAL COMMENTS:

**SITE INSPECTION CHECKLIST
LEMBERGER LANDFILL CLOSURE STRUCTURE**

Date: 5-7-2023
 Inspected By: Mark Brooks

Item	Acceptable	Not Acceptable	Present	Not Present	Location	Remarks
1. Vegetation Cover:						
a. Landfill Site:						
Bare Spots				X		
Dead Areas				X		
Undesirable Growth				X		
b. Drainage Structures:						
Bare Spots				X		
Dead Areas				X		
Undesirable Growth				X		
2. Soil Erosion:						
Slope Movement and Condition	X			X		
Unallowed Trees On Cover	X			X		
Erosion Damage				X		
Settlement				X		
Holes				X		
Bare Spots				X		
Vector Infestation				X		
Waste Breakthrough				X		
Leachate Breakthrough				X		
Vandalism				X		
Unauthorized Dumping				X		
Litter				X		
3. Gate Warning System:						
Odor				X		
Damage or Vandalism				X		
Settlement				X		
Vector Infestation				X		
Bird Screen			X			
4. Site Fence:						
Damage or Vandalism				X		
Loose Fence Post				X		
Damage to Corner Post				X		
Gate				X		
Gate Lock			X			

ADDITIONAL COMMENTS:

**SITE INSPECTION CHECKLIST
LEMBERGER LANDFILL CLOSURE STRUCTURE**

Date: 5-7-2023
 Inspected By: Mark Brooks

Item	Acceptable	Not Acceptable	Present	Not Present	Location	Remarks
5. Leachate Collection Wells:						
Damage or Vandalism				X		
Settlement				X		
Well Cap			X			
Well Lock			X			
6. Erosion Control System:						
a. Diversion Swales:						
Silt Accumulation				X		
Ponded Water				X		
Wash Outs				X		
Vegetative Cover	X		X			
Erosion Control Matting	X		X			
b. Downchutes:						
Silt Accumulation				X		
Ponded Water				X		
Wash Outs				X		
Vegetative Cover	X		X			
Erosion Control Matting	X		X			
c. Riprap Aprons:						
Damage or Instability				X		
Soil Erosion Around				X		
Excessive Veg. Growth				X		
d. Gabion Spillway:						
Damage or Instability				X		
Soil Erosion Beneath				X		
Slippage of Gabion				X		
Gabion Basket Corrosion				X		
e. Sedimentation Basin:						
Silt Accumulation				X		
Ponded Water				X		
Erosion Damage at Inflow				X		
Vegetative Cover	X		X			
f. Toe Weeps:						
(Location)						
(Location)						
(Location)						

ADDITIONAL COMMENTS:

**Appendix B: Summary of Leachate Head Levels –
July 2022 Through June 2023**

Lemberger Landfill
Leachate Head Levels (July 2022 - June 2023)

Well ID	Date	Leachate Head Elevation (feet, above M.S.L.)	Bottom of Waste Elevation (feet, above M.S.L.)⁽¹⁾	Feet Above (or Below) Bottom of Waste⁽²⁾
LH-01	28-Jun-23	836.25	839.2	-3.0
LH-03	29-Jun-23	836.94	839.7	-2.8
LH-06	28-Jun-23	DRY	851.7	--
LW-07	29-Jun-23	834.52	825.7	8.8

Notes:

⁽¹⁾ Bottom of waste elevations are approximate for "LH" wells.

⁽²⁾ Negative values indicate that the liquid level is below the bottom of waste.

**Appendix C: Summary of Groundwater Elevation Data –
July 2022 through June 2023**

Lemberger Landfill
Water Elevation Data (July 2022 - June 2023)

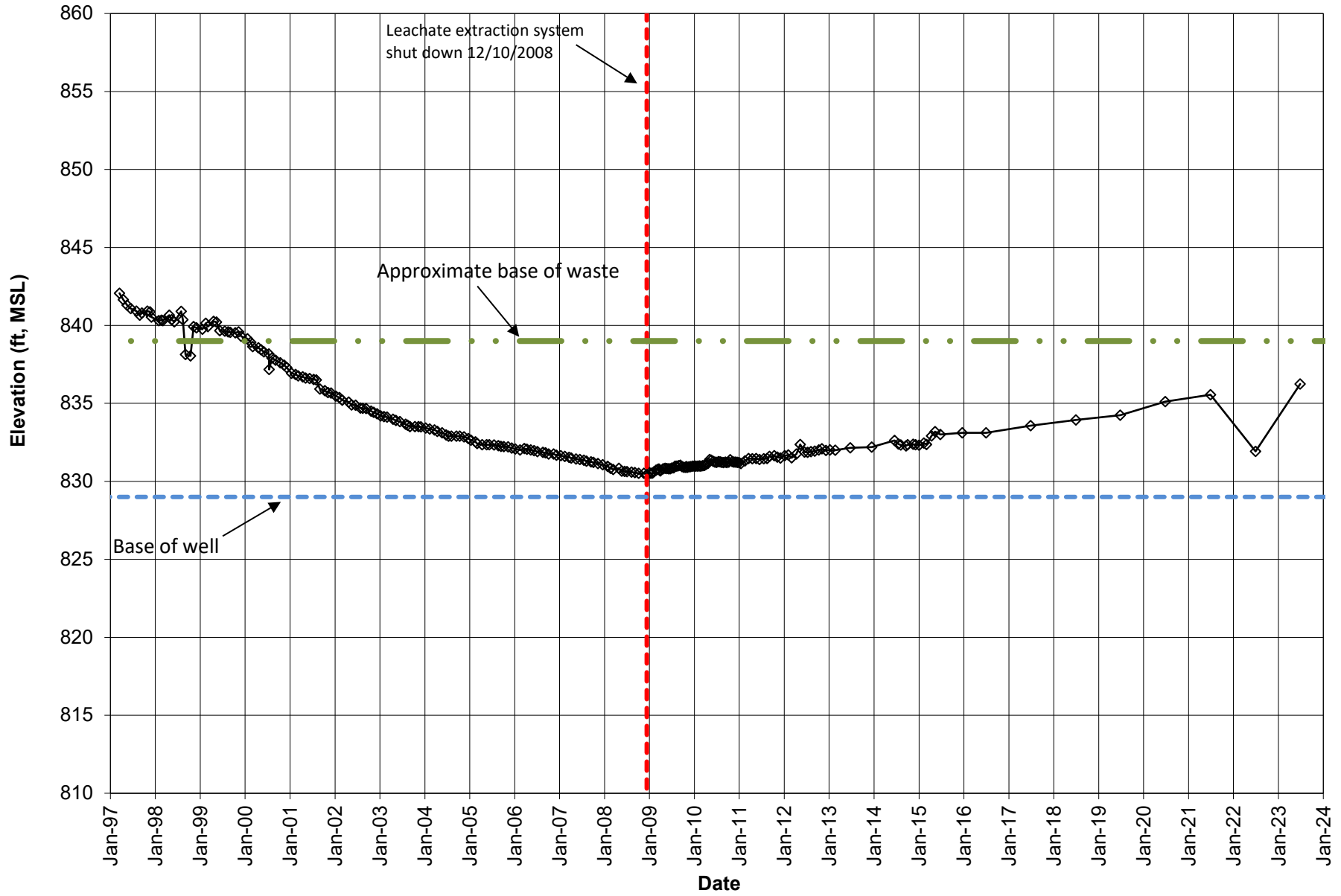
Well ID	Sample Date	Water Elevation (ft, MSL)
OW-104F	10/28/2022	791.38
RM-002D	9/30/2022	791.94
RM-002D	12/4/2022	791.78
RM-002D	4/8/2023	792.80
RM-002D	6/25/2023	792.17
RM-003D	9/30/2022	802.01
RM-003D	12/3/2022	801.64
RM-003D	4/7/2023	803.37
RM-003D	6/25/2023	803.20
RM-003XXD	9/30/2022	805.81
RM-003XXD	12/3/2022	805.04
RM-003XXD	4/7/2023	809.25
RM-003XXD	6/25/2023	806.88
RM-004D	9/29/2022	804.37
RM-004D	6/25/2023	804.25
RM-005D	10/28/2022	800.43
RM-005D	4/9/2023	801.48
RM-005S	6/28/2023	836.34
RM-007D	10/28/2022	805.71
RM-007D	12/15/2022	804.91
RM-007XD	10/28/2022	804.34
RM-007XD	4/9/2023	810.88
RM-007XXD	10/28/2022	804.73
RM-008D	10/26/2022	806.05
RM-008D	4/8/2023	812.74
RM-010D	9/29/2022	804.22
RM-010D	6/25/2023	804.18
RM-101D	10/14/2022	806.41
RM-102D	10/26/2022	833.72
RM-202D	10/24/2022	802.74
RM-203D	10/26/2022	791.19
RM-204D	10/14/2022	798.98
RM-204D	4/8/2023	799.61
RM-206S	6/28/2023	833.35
RM-207S	6/29/2023	830.64
RM-208D	10/24/2022	800.80
RM-208D	4/9/2023	801.98
RM-208S	6/28/2023	DRY
RM-208XD	10/24/2022	794.90
RM-210D	9/30/2022	796.36
RM-210D	12/4/2022	795.66
RM-210D	4/8/2023	797.63
RM-210D	6/25/2023	797.50
RM-211D	10/24/2022	803.23
RM-211D	4/7/2023	805.63
RM-212D	10/13/2022	805.06
RM-213D	10/27/2022	804.87
RM-213XD	10/27/2022	805.83

Lemberger Landfill
Water Elevation Data (July 2022 - June 2023)

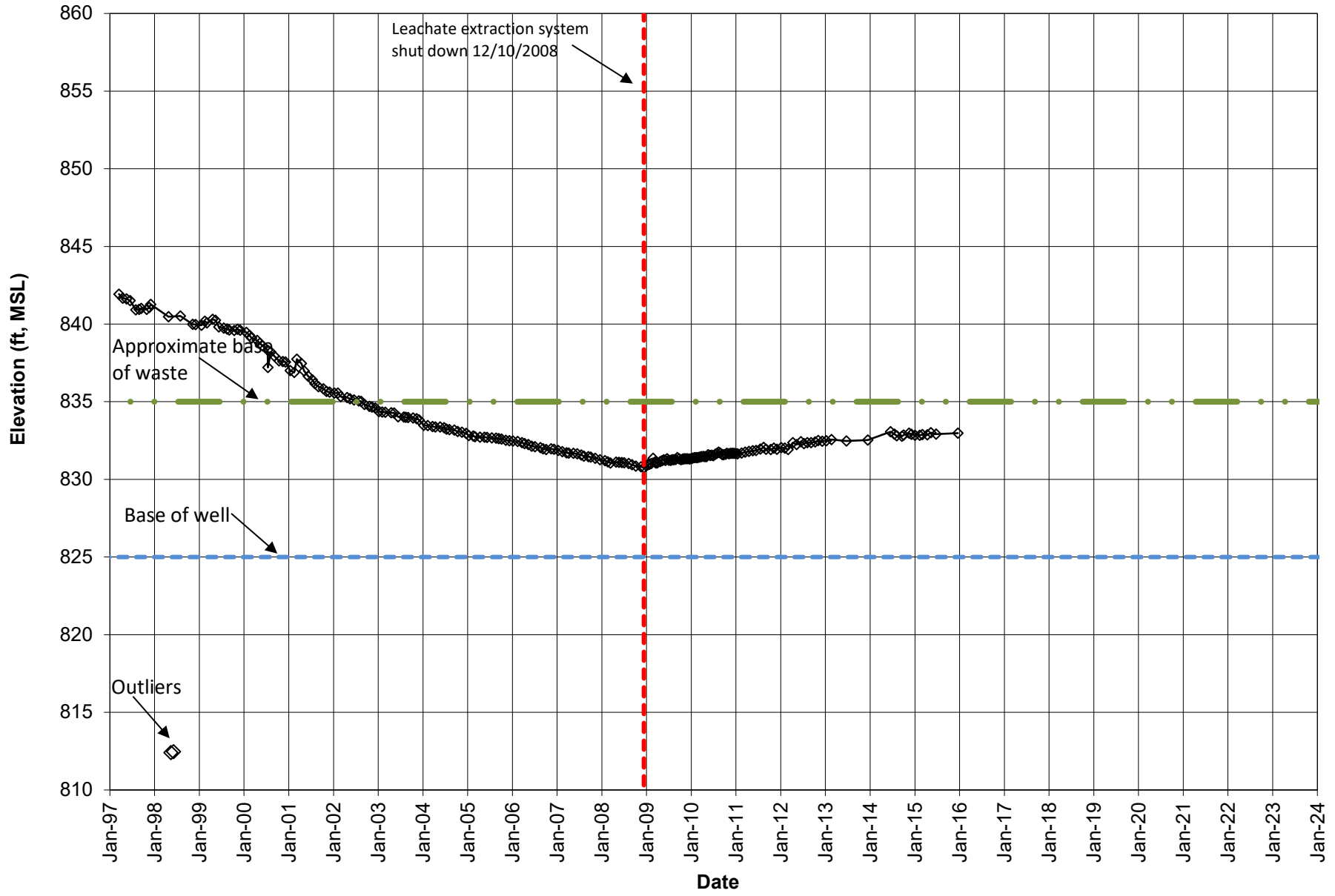
Well ID	Sample Date	Water Elevation (ft, MSL)
RM-214D	10/27/2022	805.65
RM-301S	6/25/2023	852.38
RM-302S	6/25/2023	850.82
RM-303D	10/28/2022	805.82
RM-305D	9/29/2022	814.37
RM-305D	6/25/2023	814.43
RM-306D	10/27/2022	807.47
RM-307D	10/27/2022	805.24
RM-307D	4/9/2023	811.44
RM-401XD	10/24/2022	801.64
RM-401XD	12/15/2022	801.20
RM-401XD	4/9/2023	802.77
RM-401XXD	9/29/2022	805.49
RM-401XXD	12/4/2022	804.95
RM-401XXD	4/9/2023	809.02
RM-401XXD	6/25/2023	806.78
RM-402XD	10/26/2022	805.79
RM-402XD	4/8/2023	810.26
RM-402XXD	10/26/2022	805.60
RM-402XXD	4/8/2023	810.02
RM-403XD	9/29/2022	805.71
RM-403XD	12/3/2022	805.07
RM-403XD	4/7/2023	809.56
RM-403XD	6/25/2023	806.88
RM-404XXD	10/13/2022	805.70

Appendix D: Hydrographs

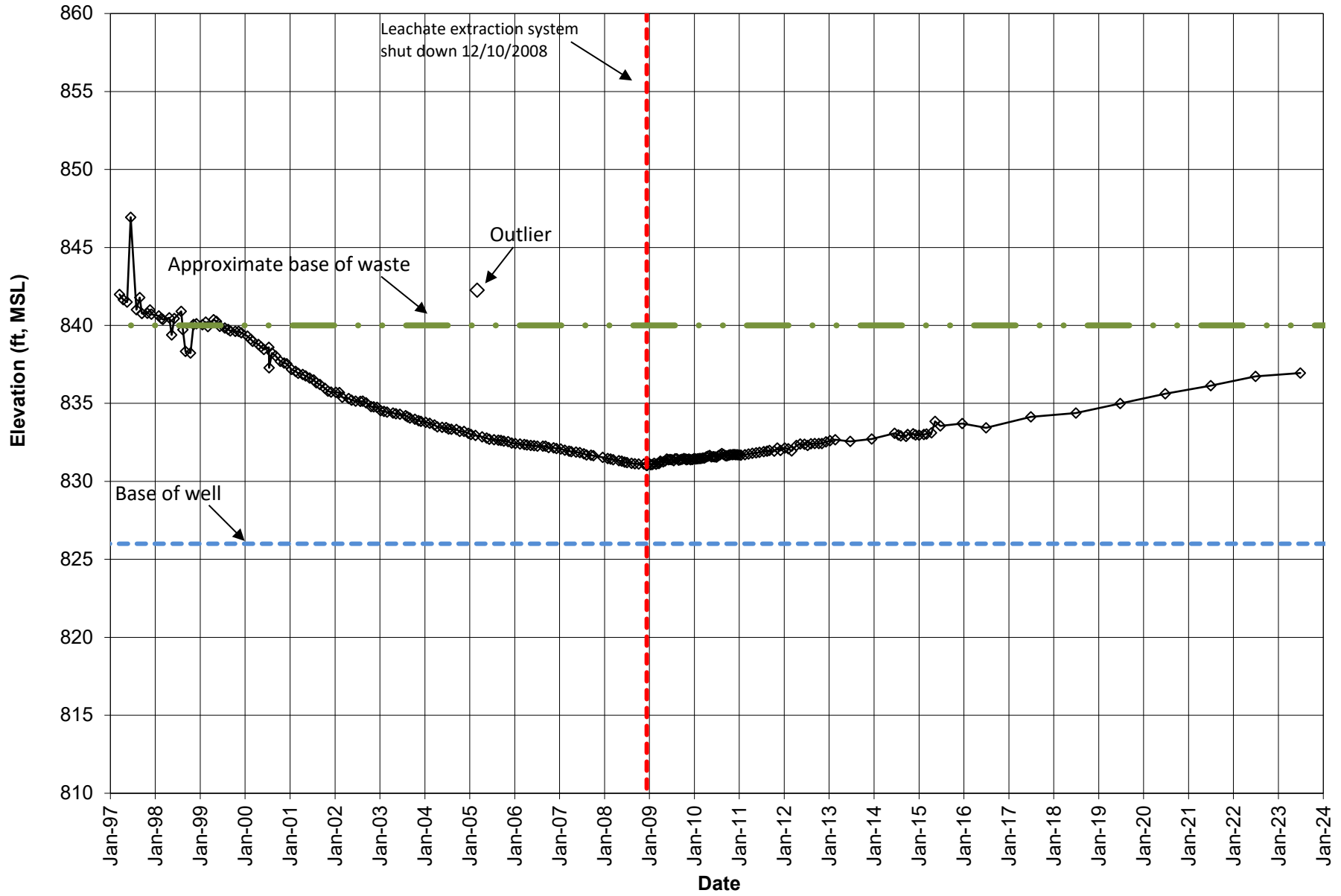
Lemberger Landfill Leachate/Groundwater Head Levels LH-01



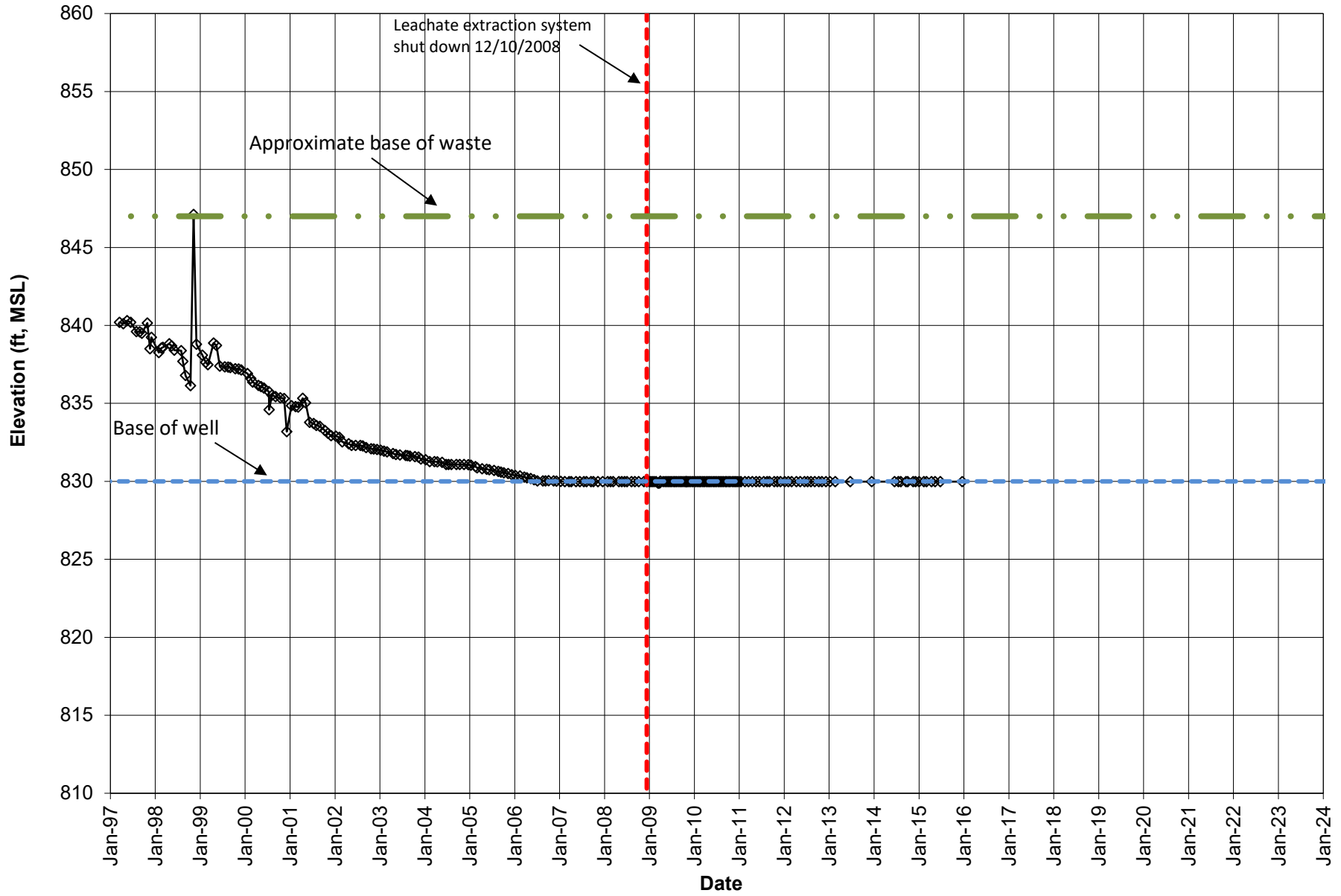
Lemberger Landfill
Leachate/Groundwater Head Levels
LH-02B



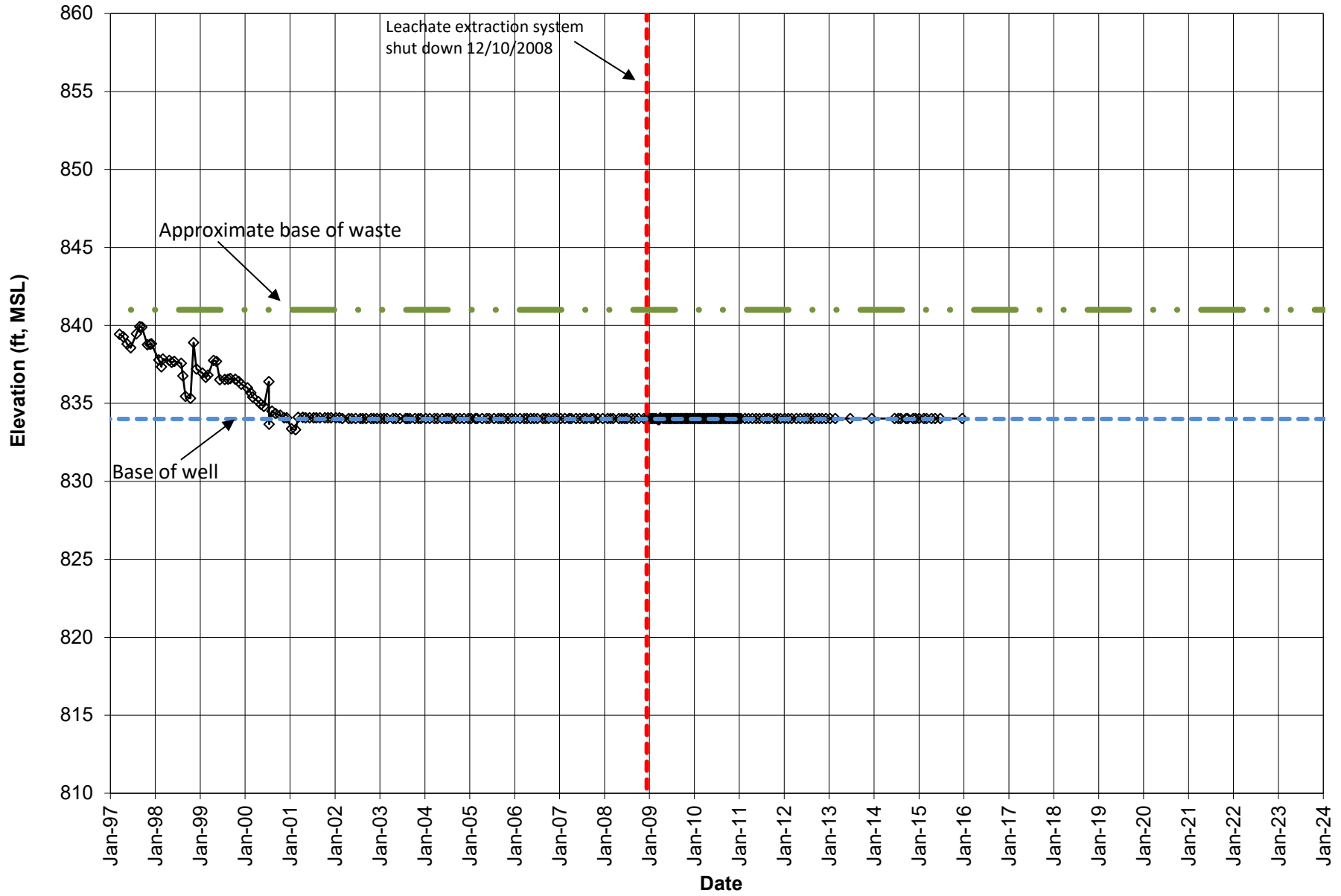
Lemberger Landfill
Leachate/Groundwater Head Levels
LH-03



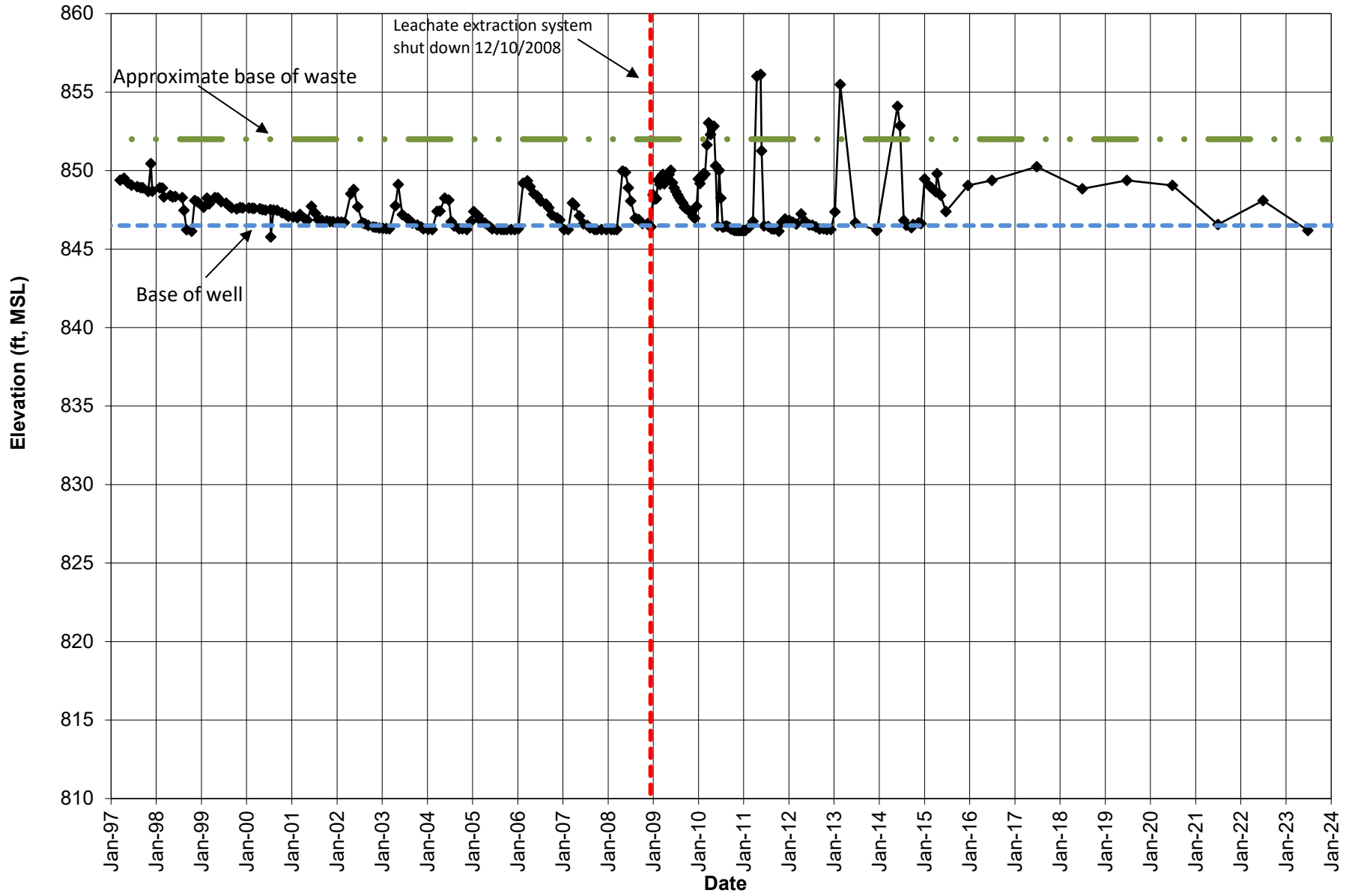
Lemberger Landfill Leachate/Groundwater Head Levels LH-04



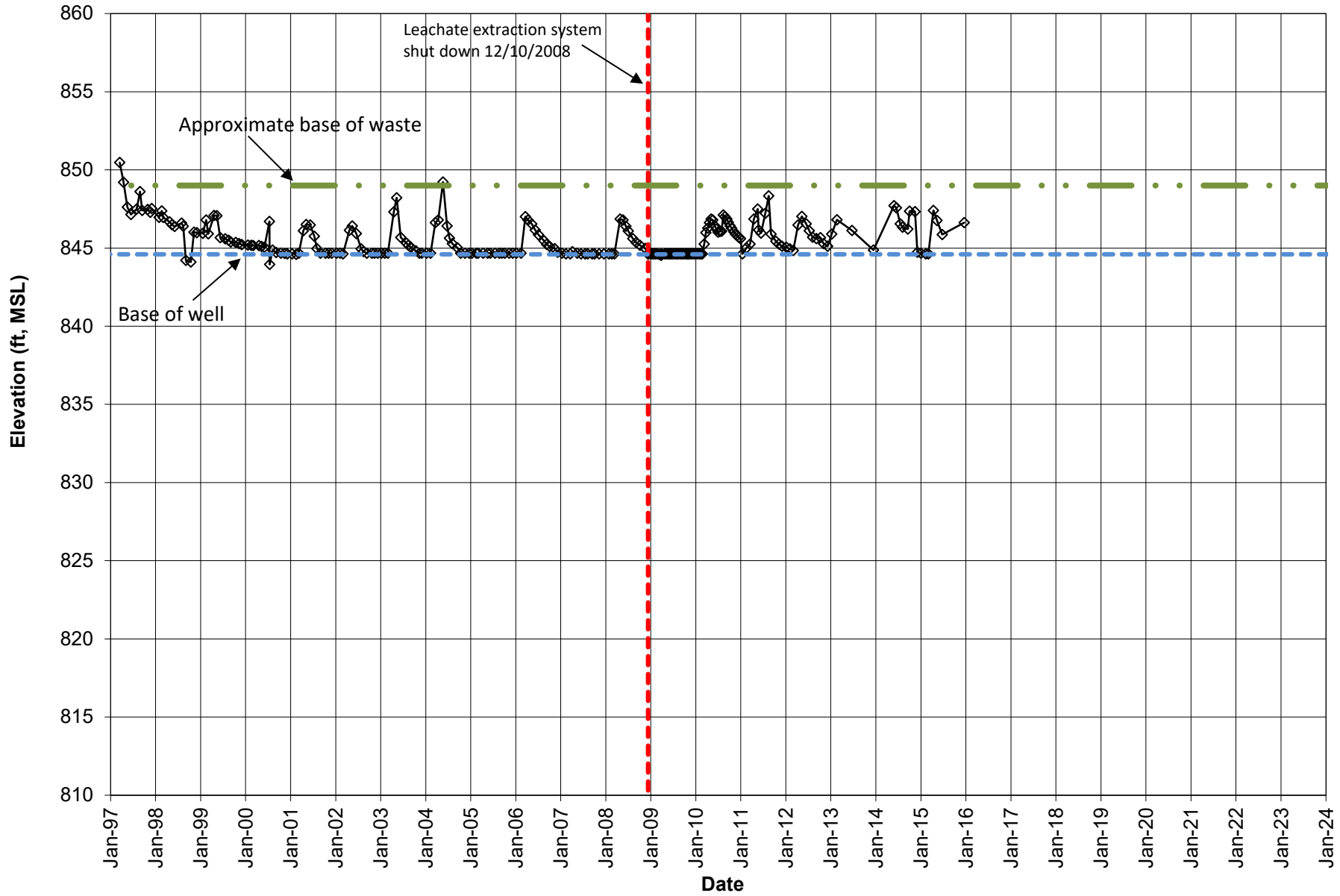
Lemberger Landfill Leachate/Groundwater Head Levels LH-05



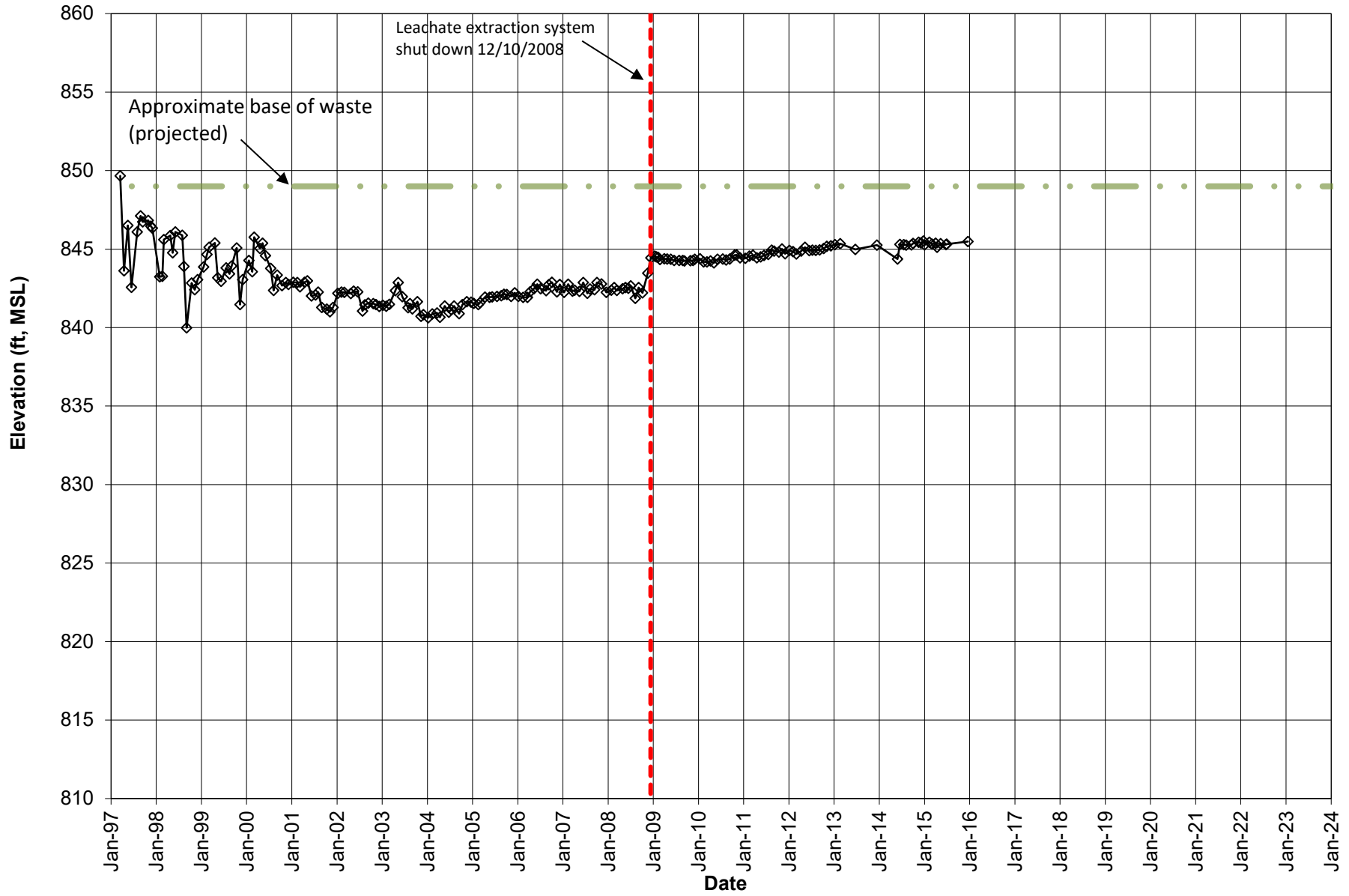
Lemberger Landfill
Leachate/Groundwater Head Levels
LH-06



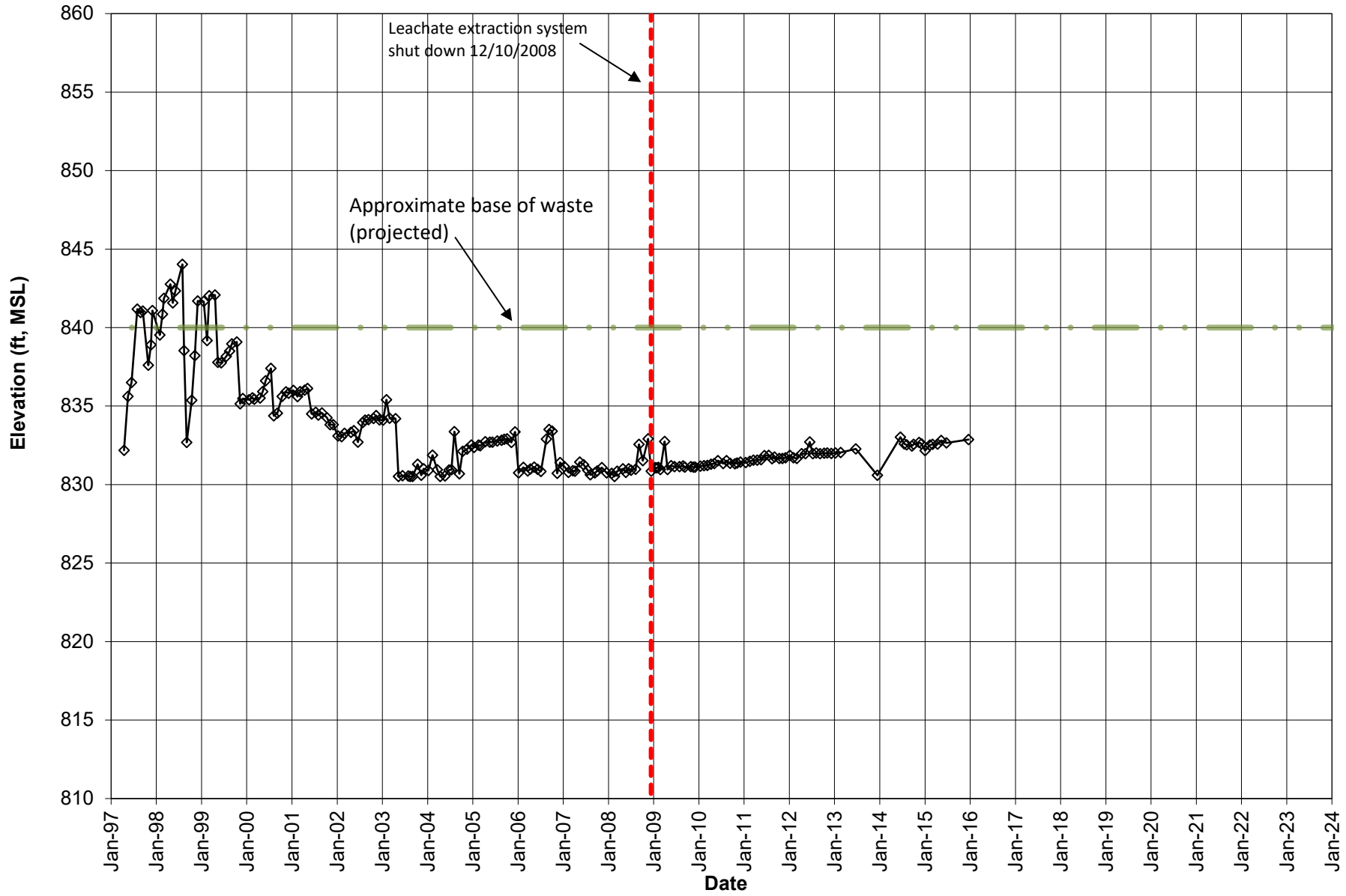
Lemberger Landfill
Leachate/Groundwater Head Levels
LH-07



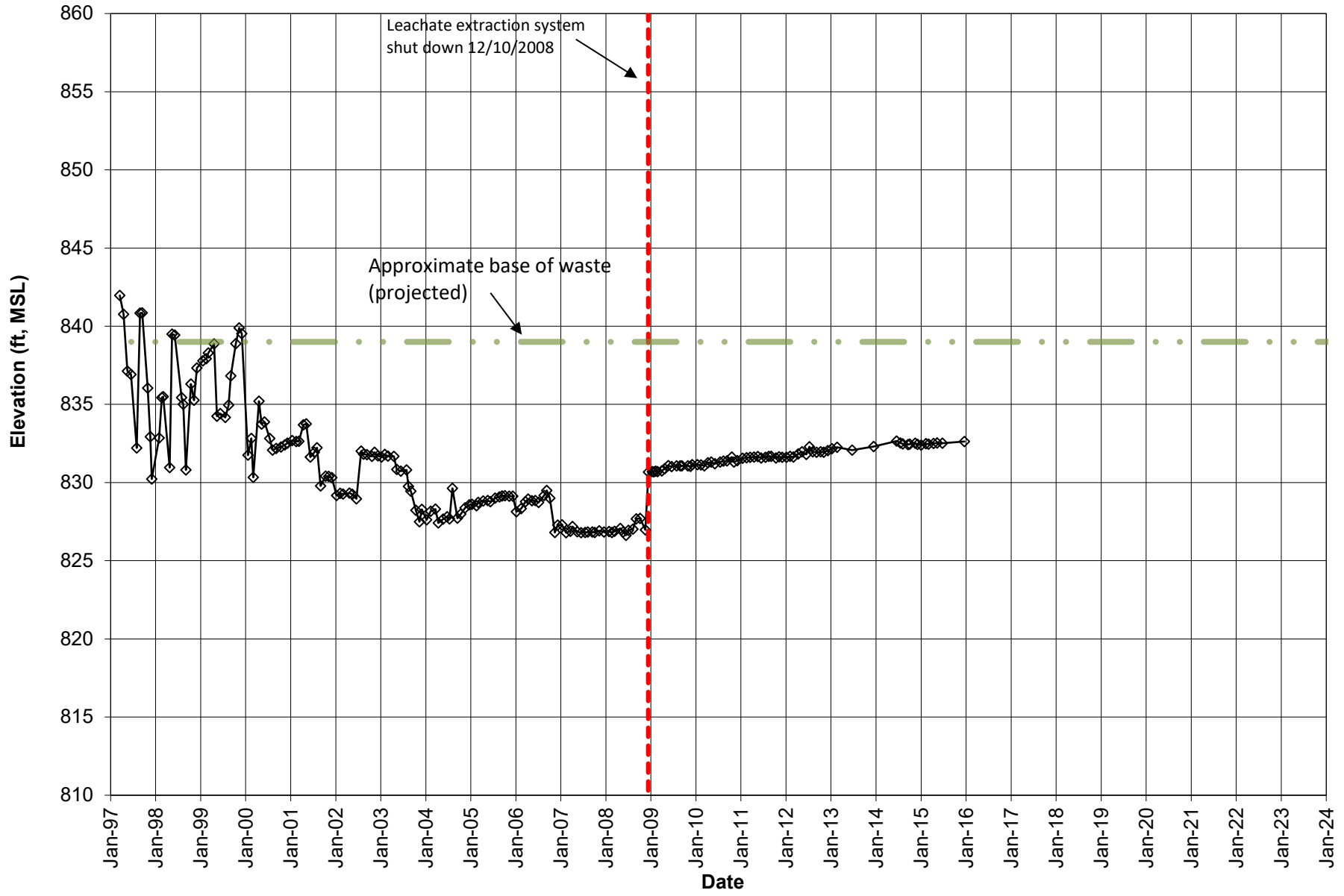
Lemberger Landfill Leachate/Groundwater Head Levels LW-01



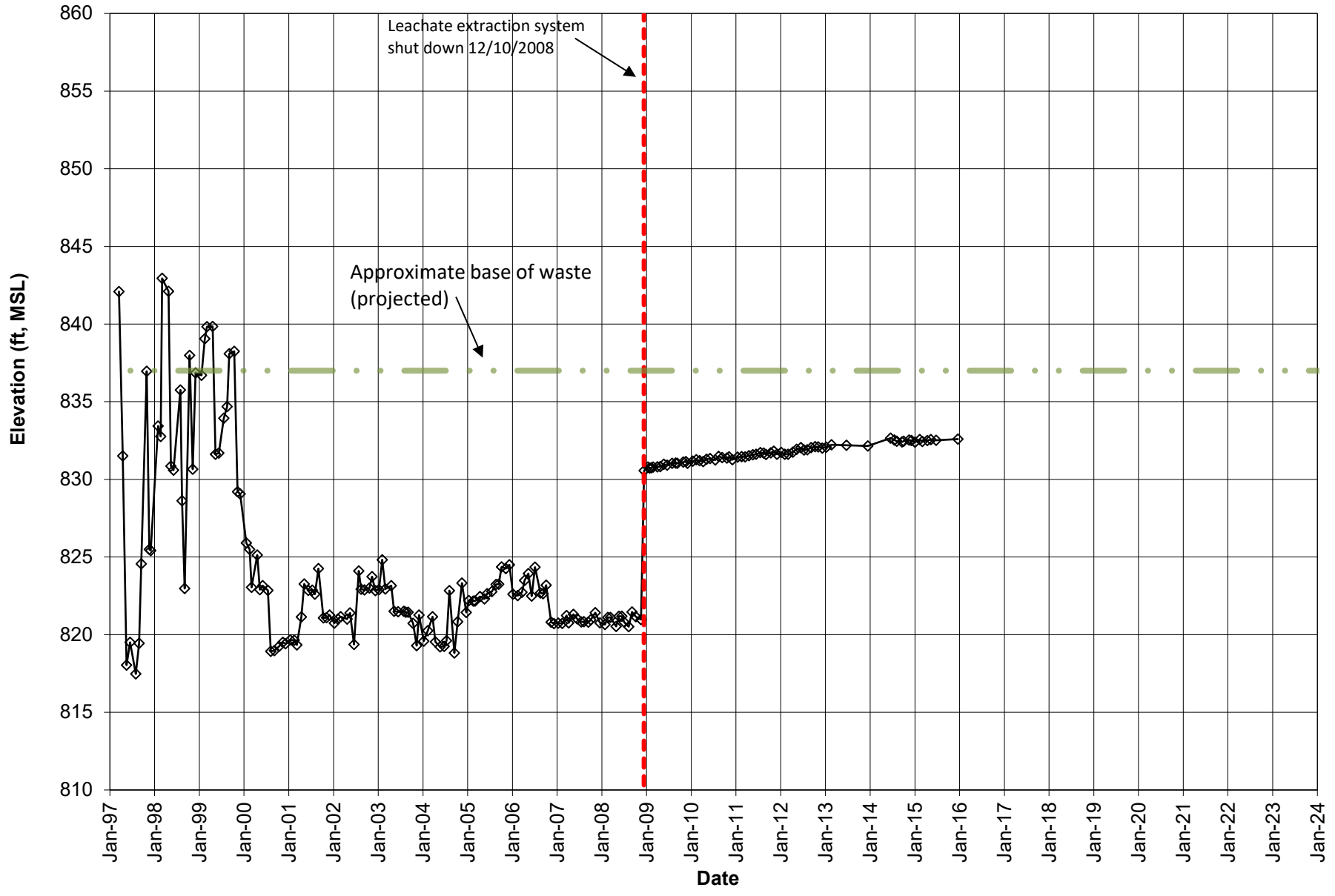
Lemberger Landfill
Leachate/Groundwater Head Levels
LW-02



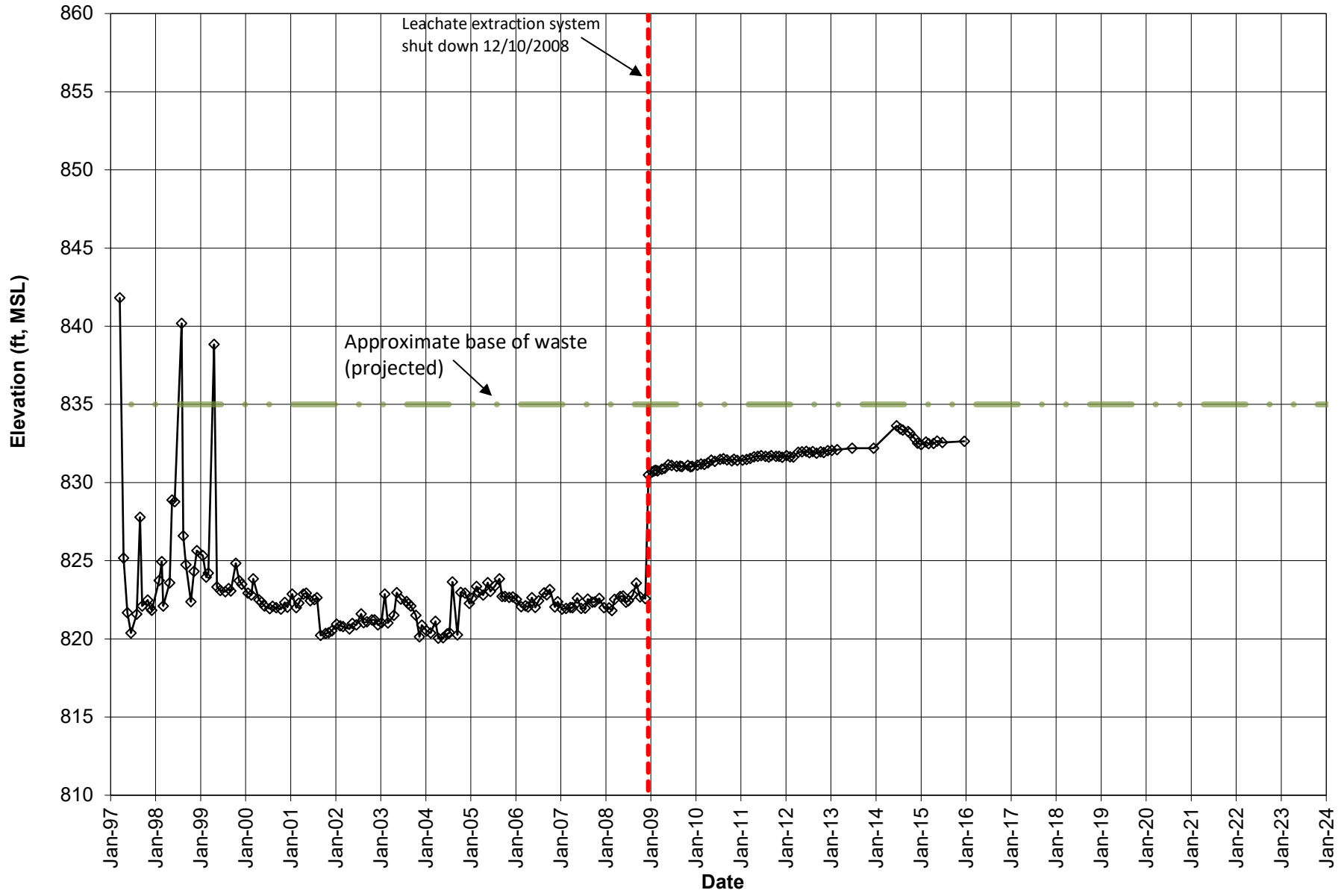
Lemberger Landfill Leachate/Groundwater Head Levels LW-03



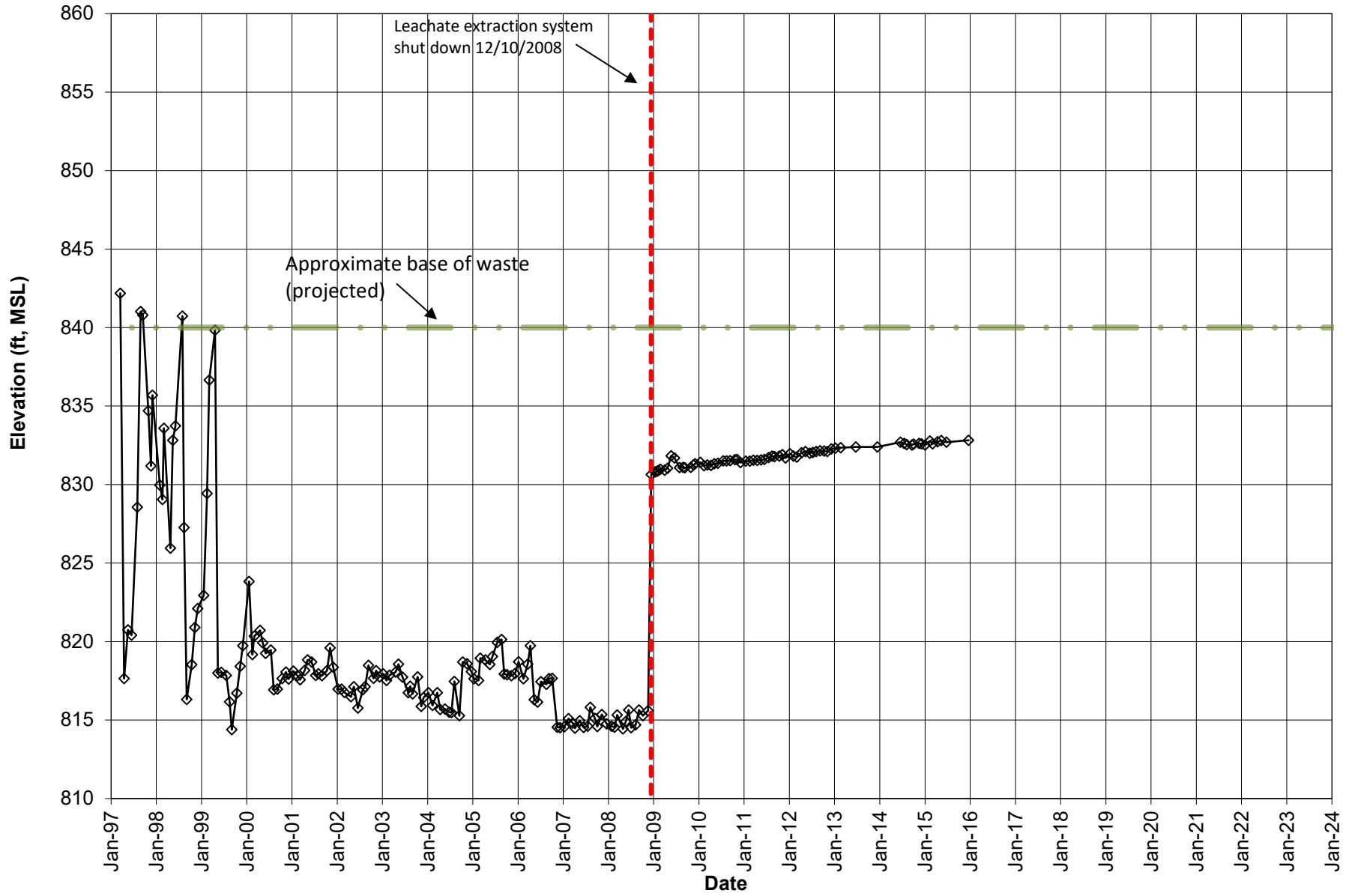
Lemberger Landfill Leachate/Groundwater Head Levels LW-04



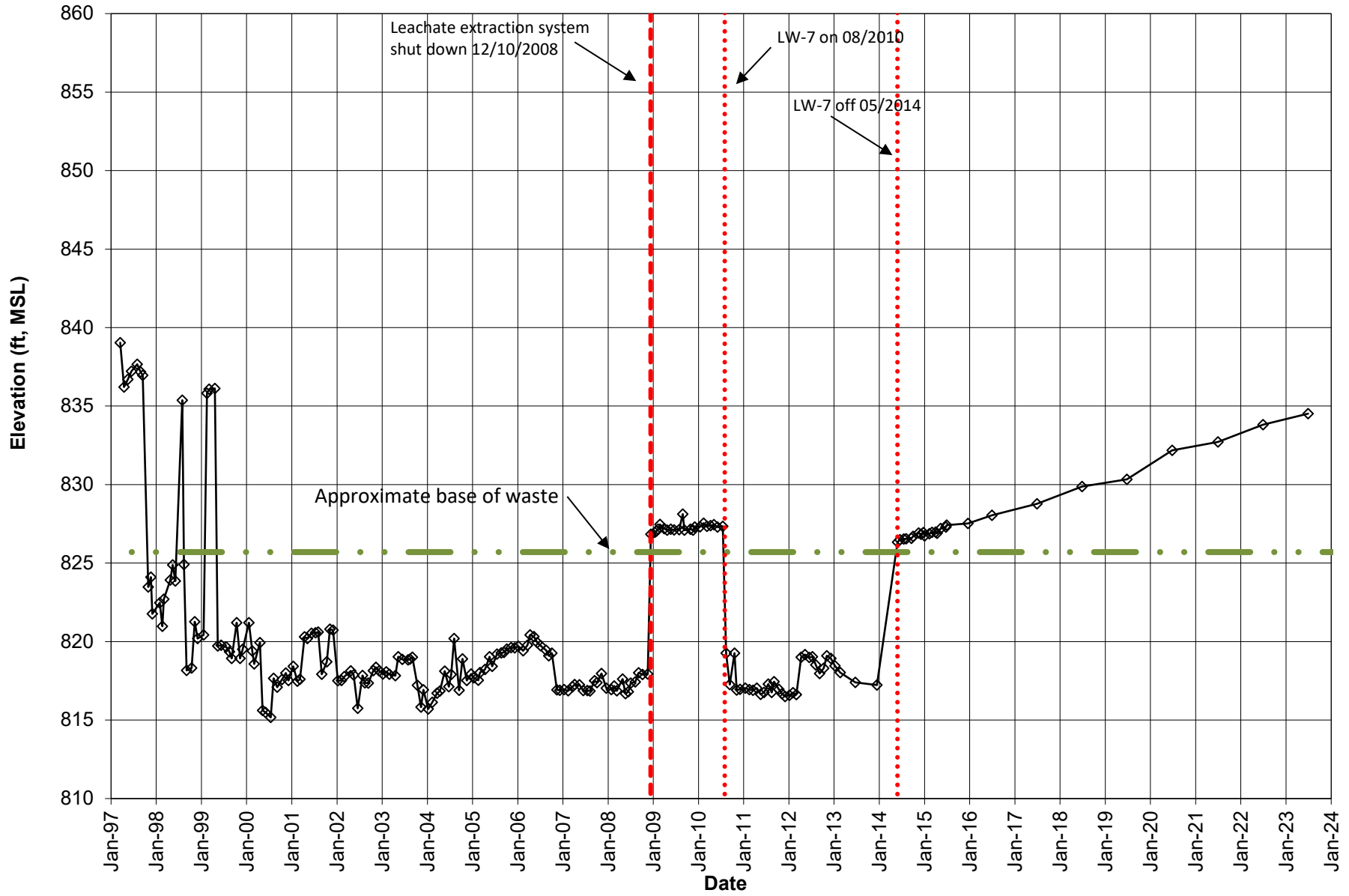
Lemberger Landfill
Leachate/Groundwater Head Levels
LW-05



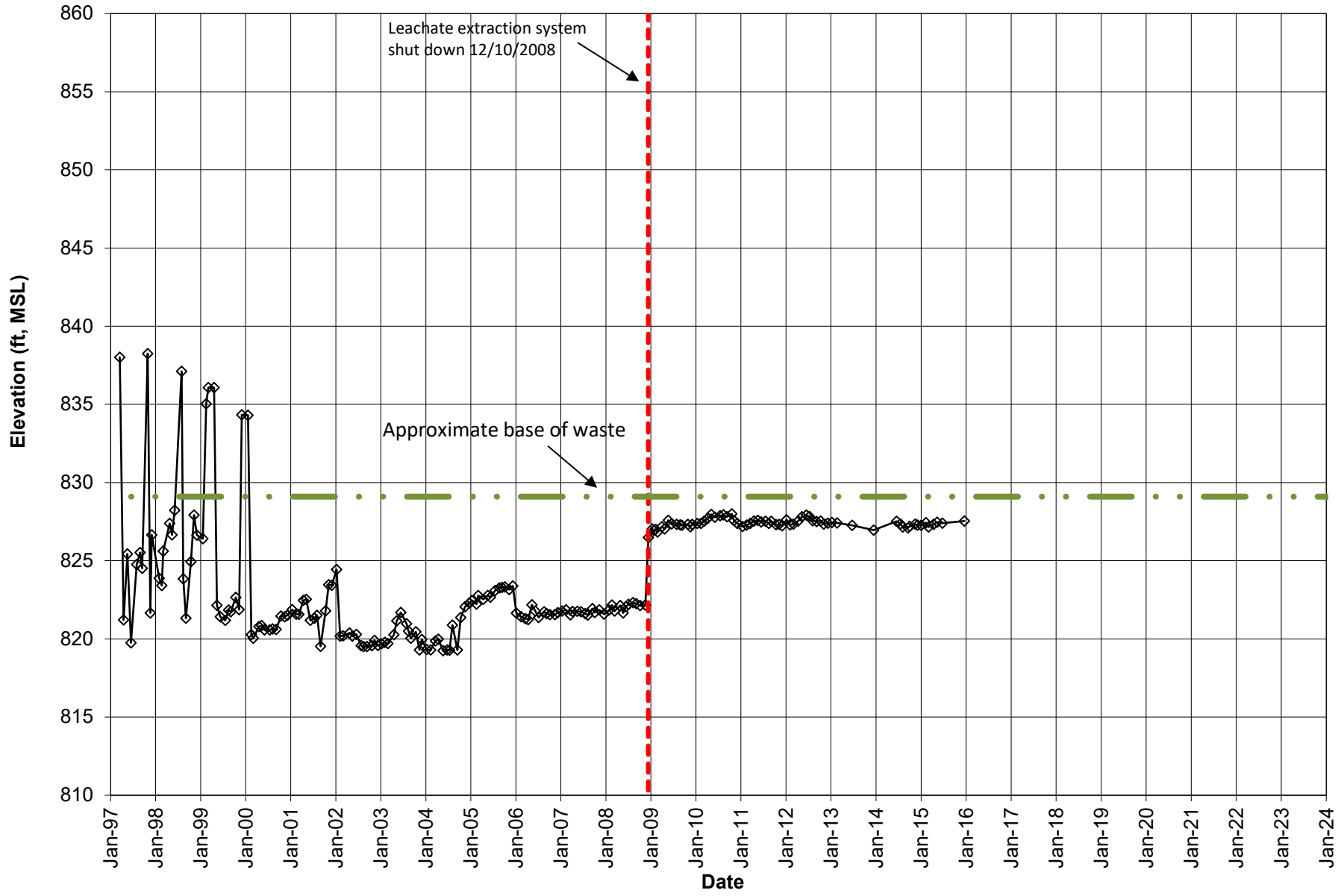
Lemberger Landfill Leachate/Groundwater Head Levels LW-06



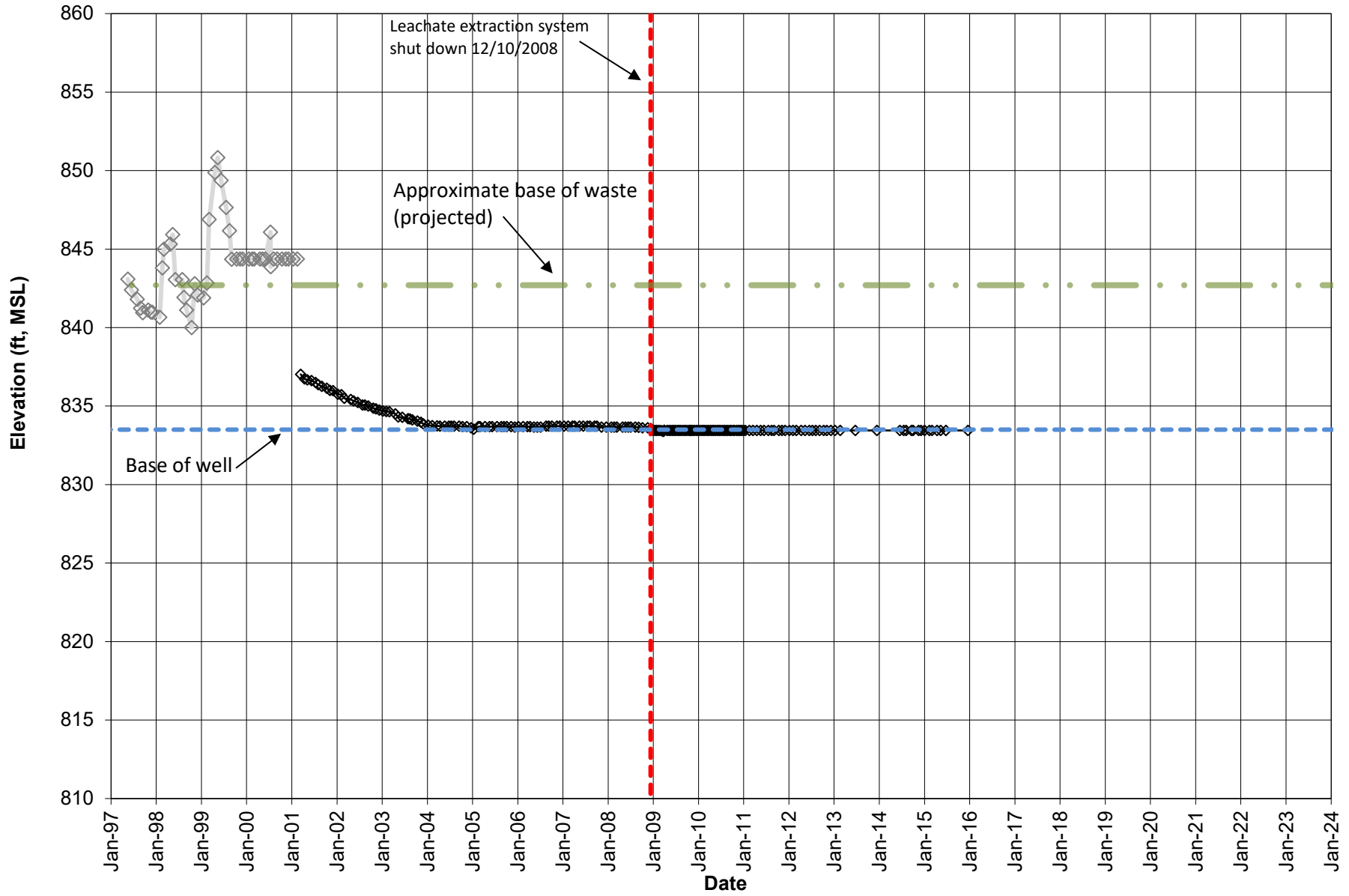
Lemberger Landfill Leachate/Groundwater Head Levels LW-07



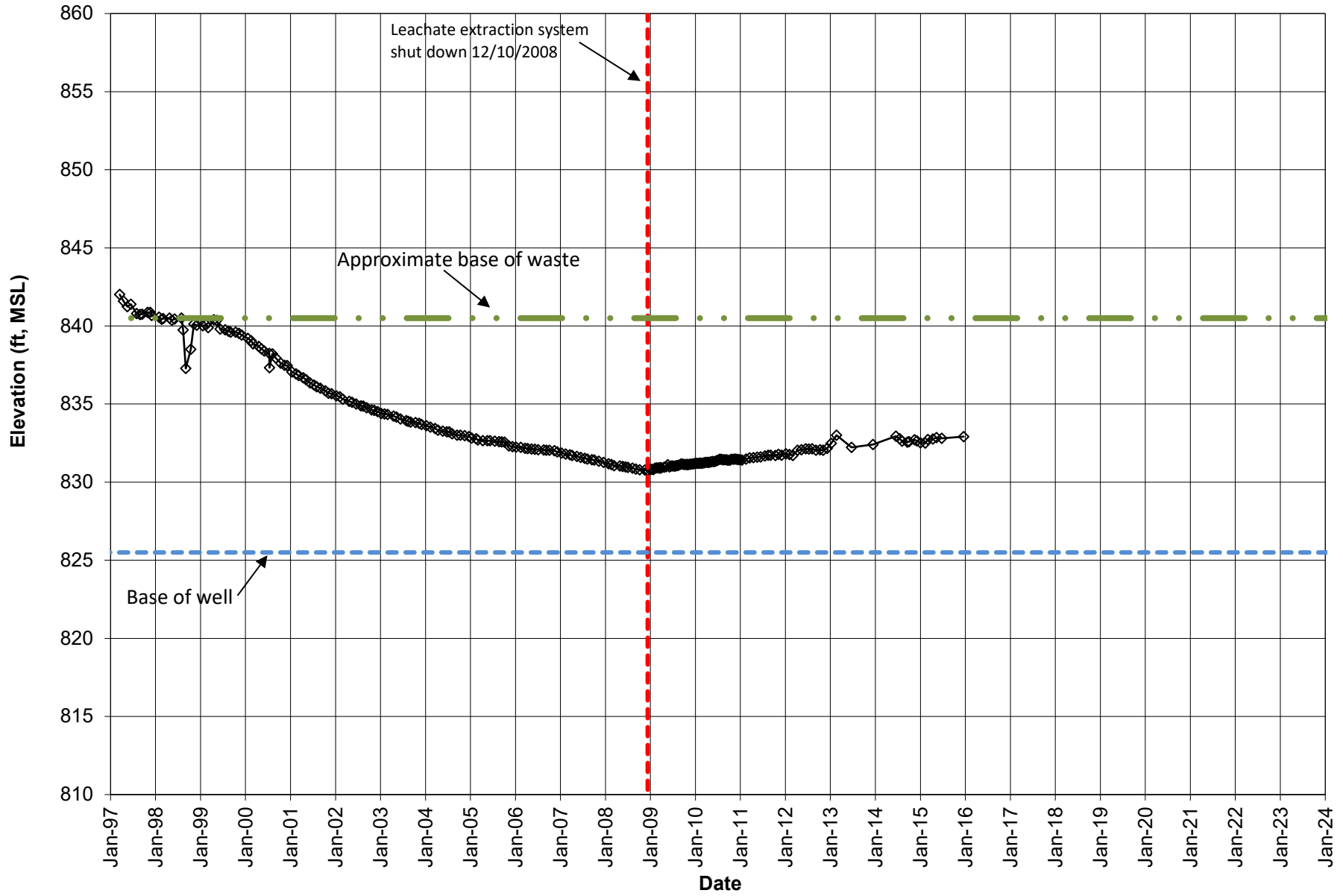
Lemberger Landfill
Leachate/Groundwater Head Levels
LW-08



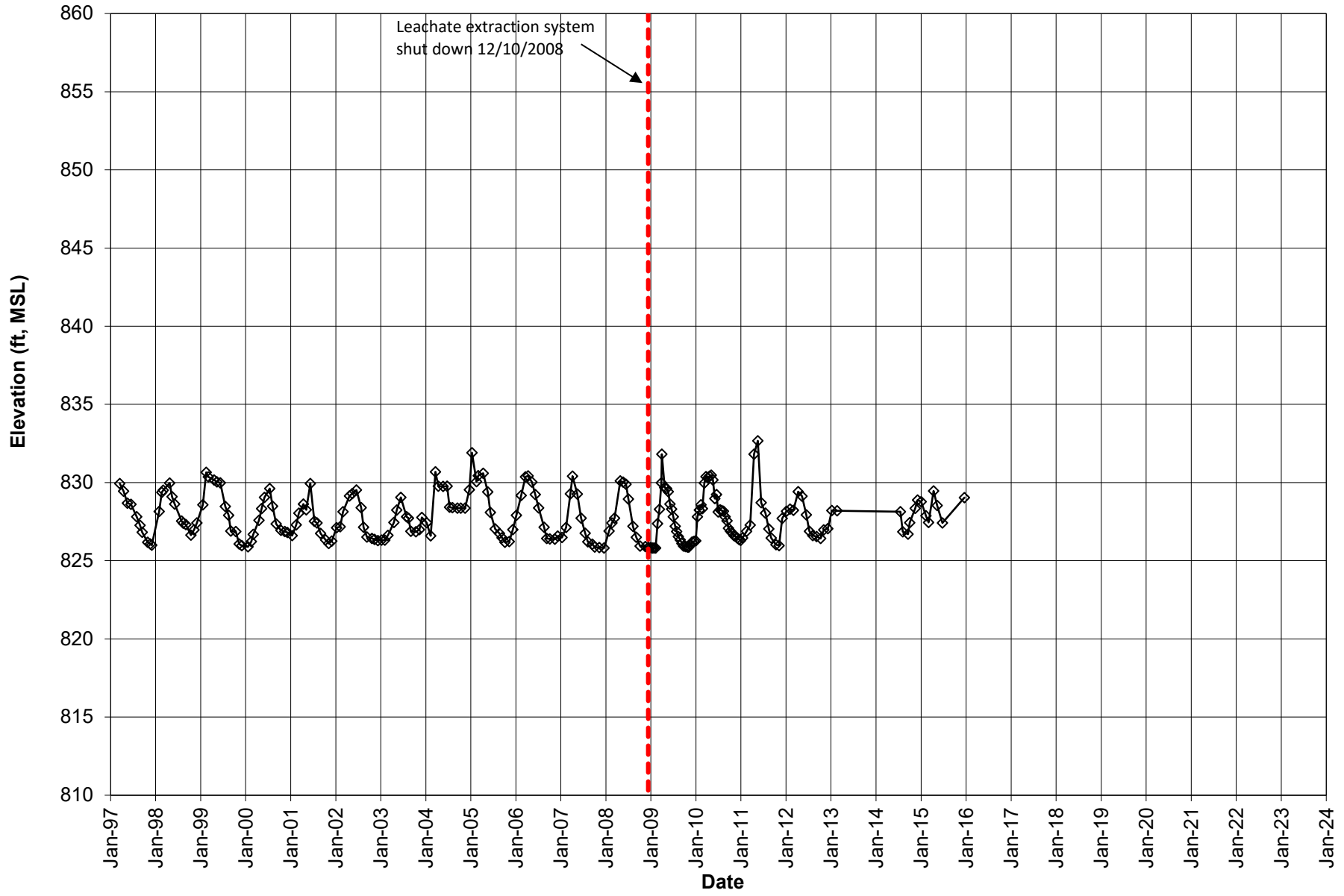
Lemberger Landfill
Leachate/Groundwater Head Levels
MW-14/MW-14R



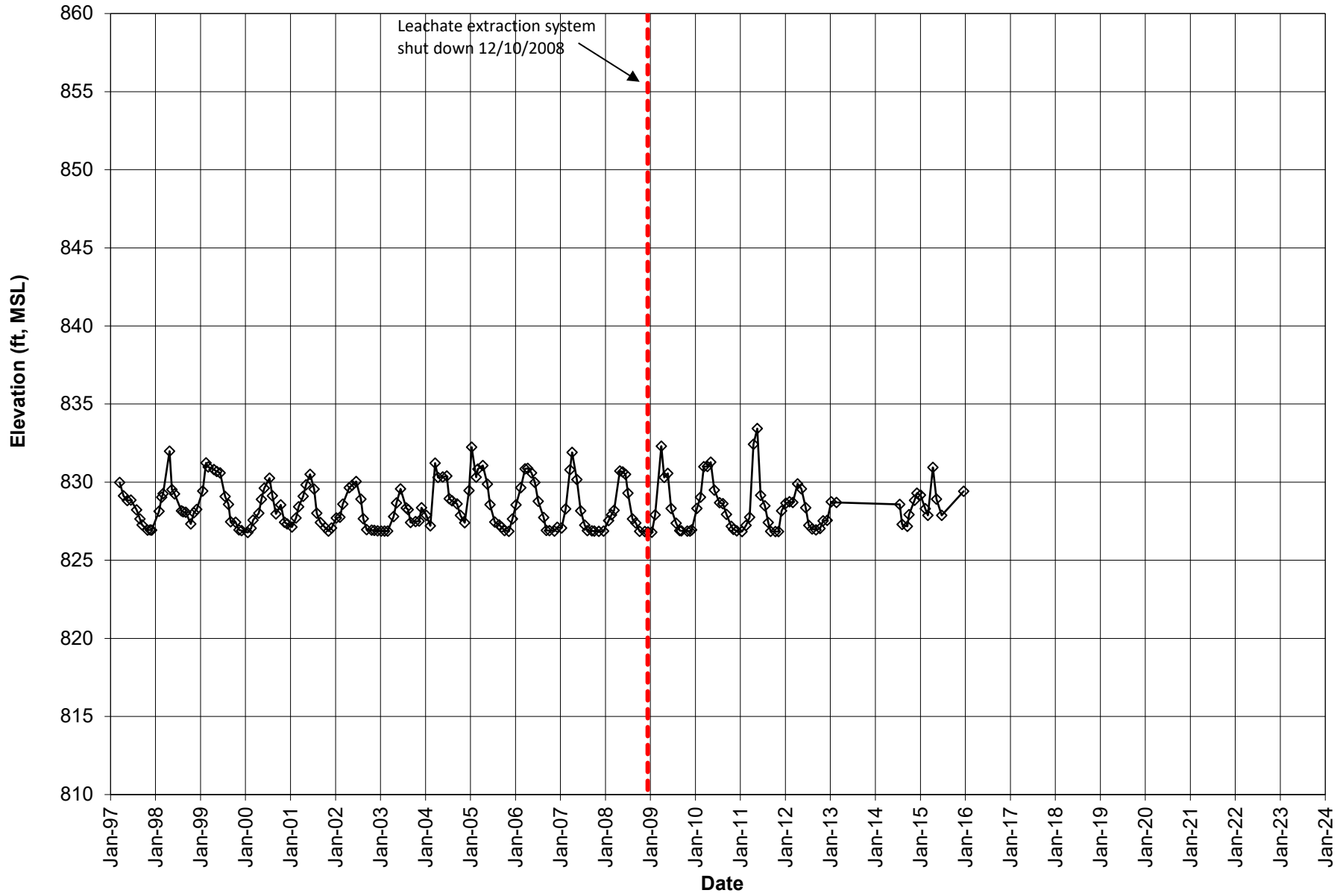
Lemberger Landfill Leachate/Groundwater Head Levels MW-15R



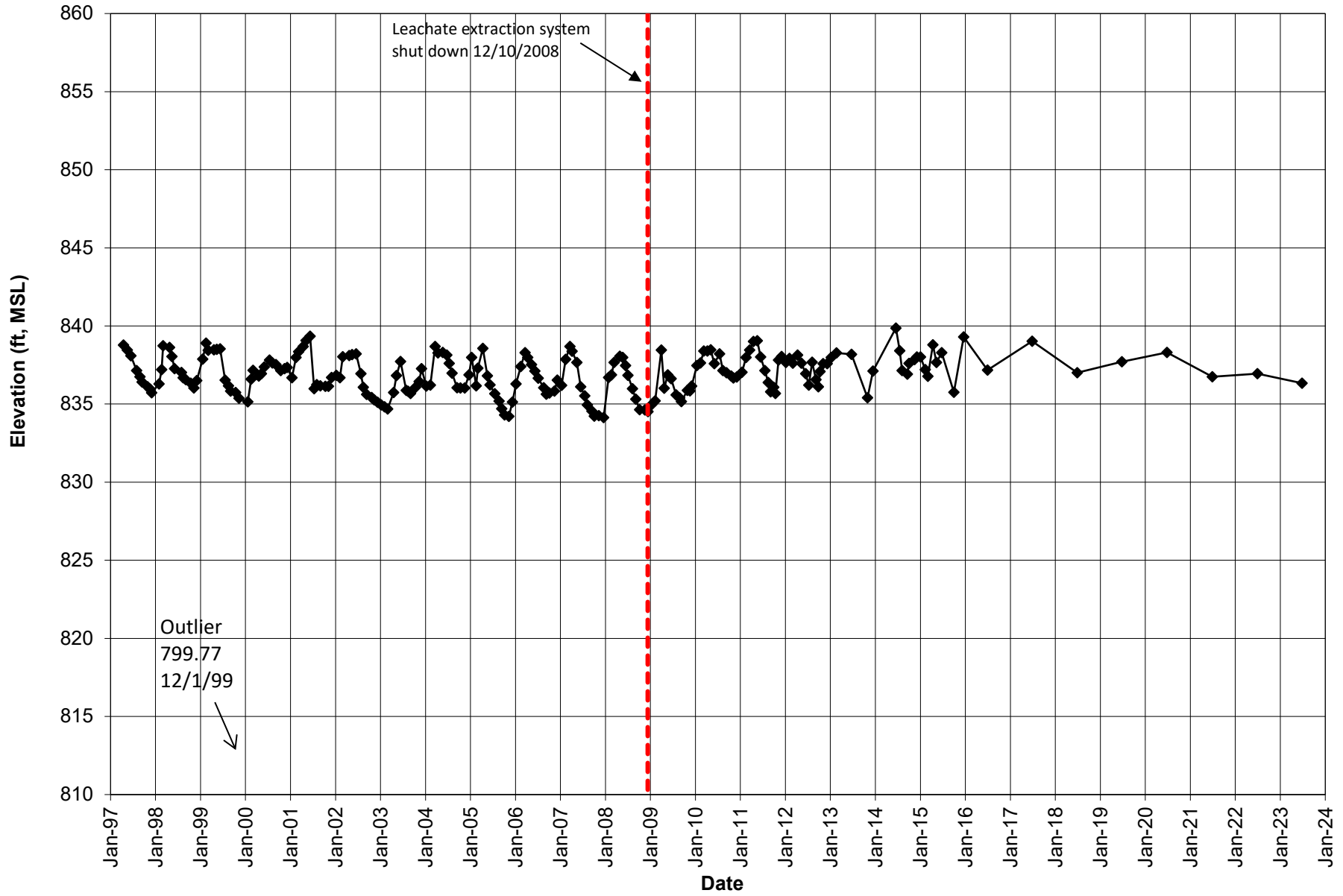
Lemberger Landfill
Leachate/Groundwater Head Levels
OW-106A



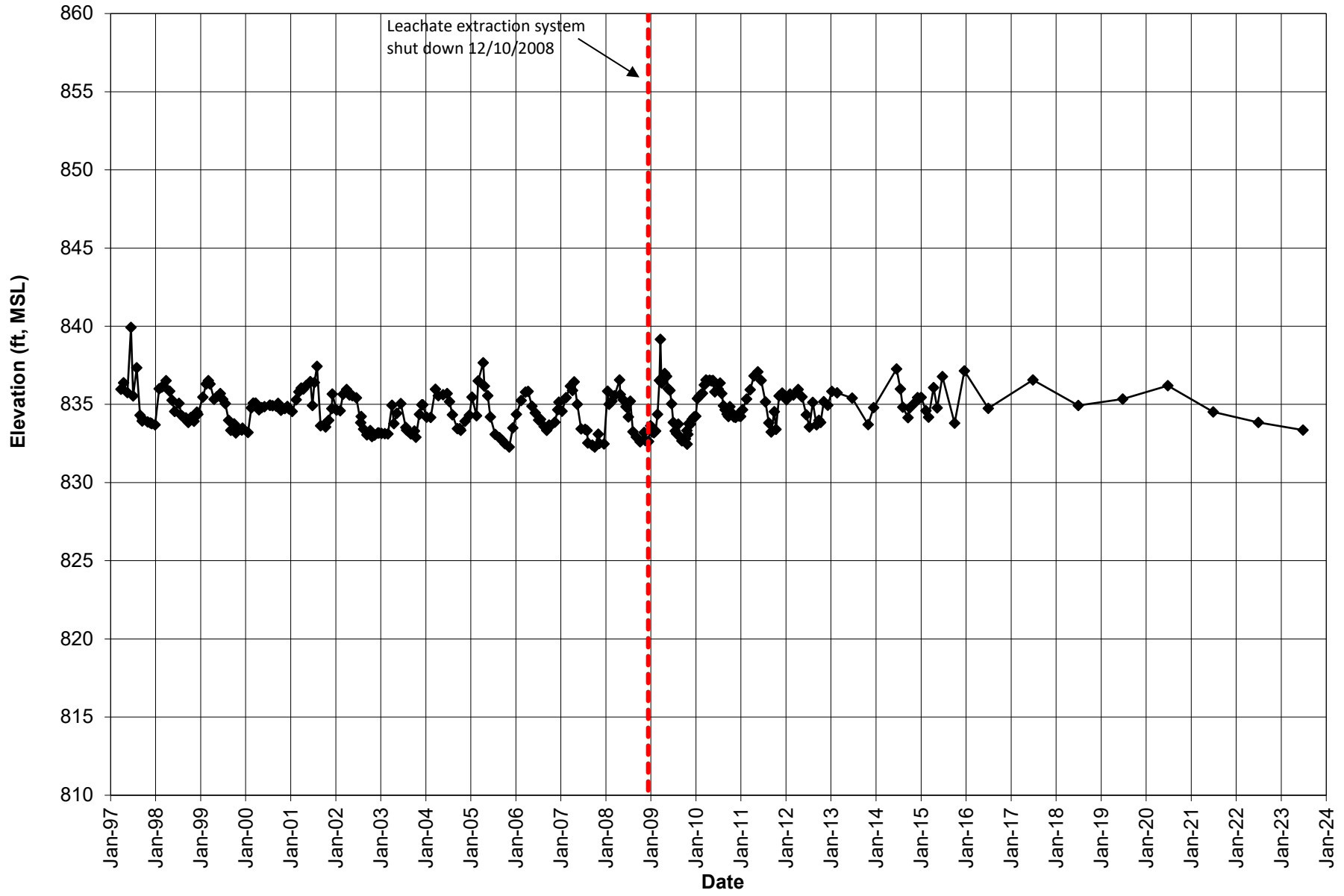
Lemberger Landfill
Leachate/Groundwater Head Levels
OW-106B



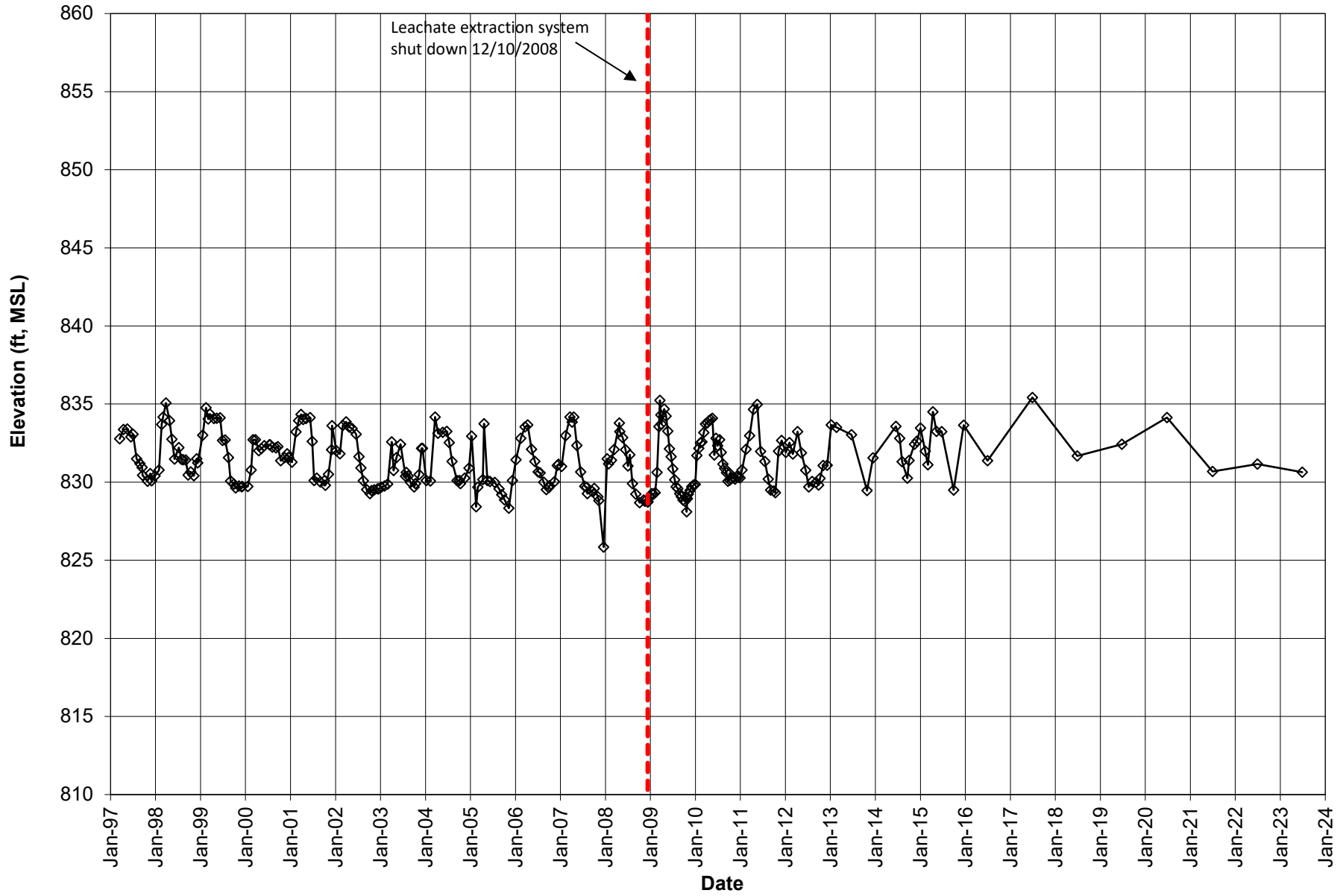
Lemberger Landfill
Leachate/Groundwater Head Levels
RM-005S



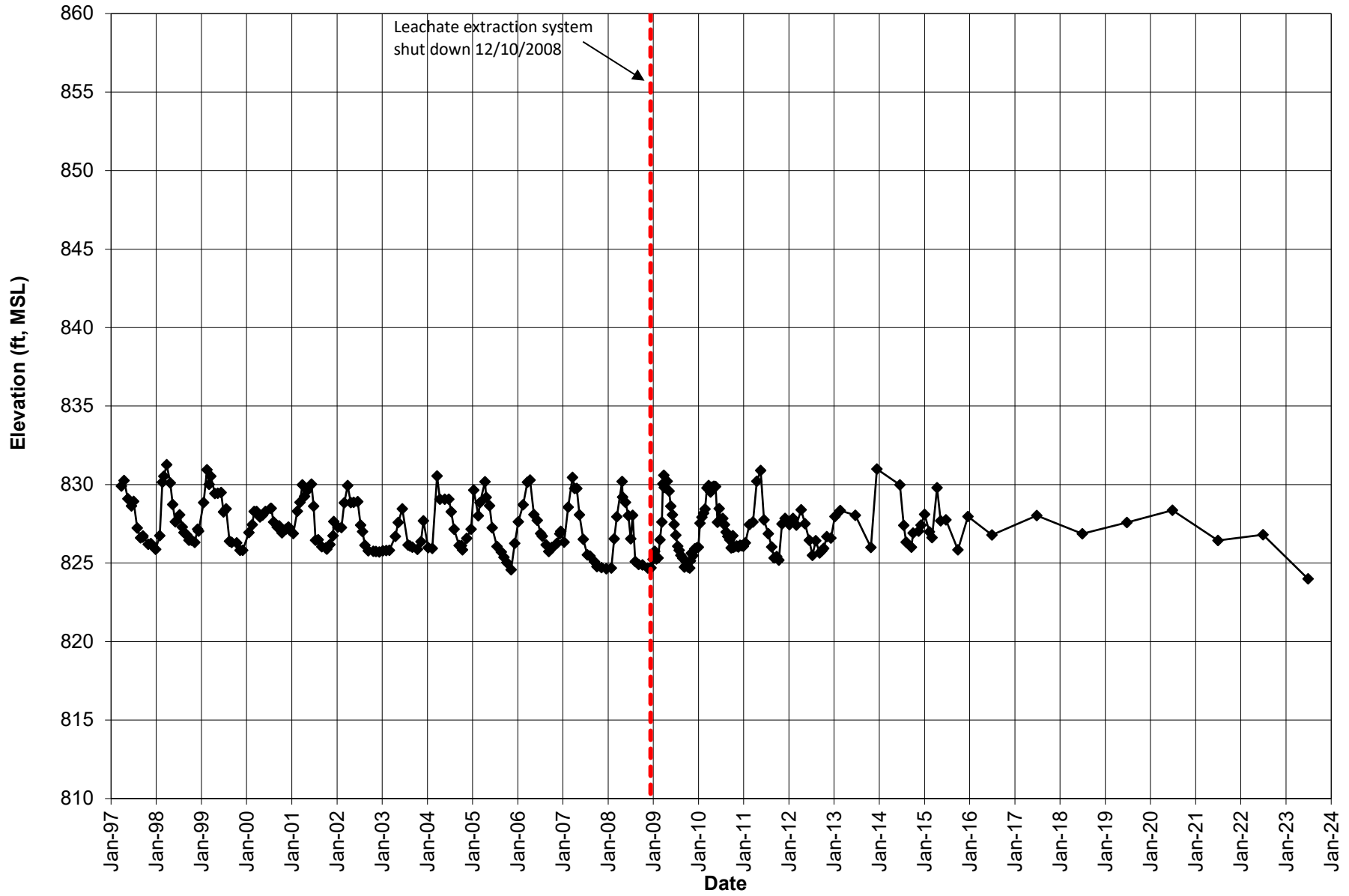
Lemberger Landfill
Leachate/Groundwater Head Levels
RM-206S



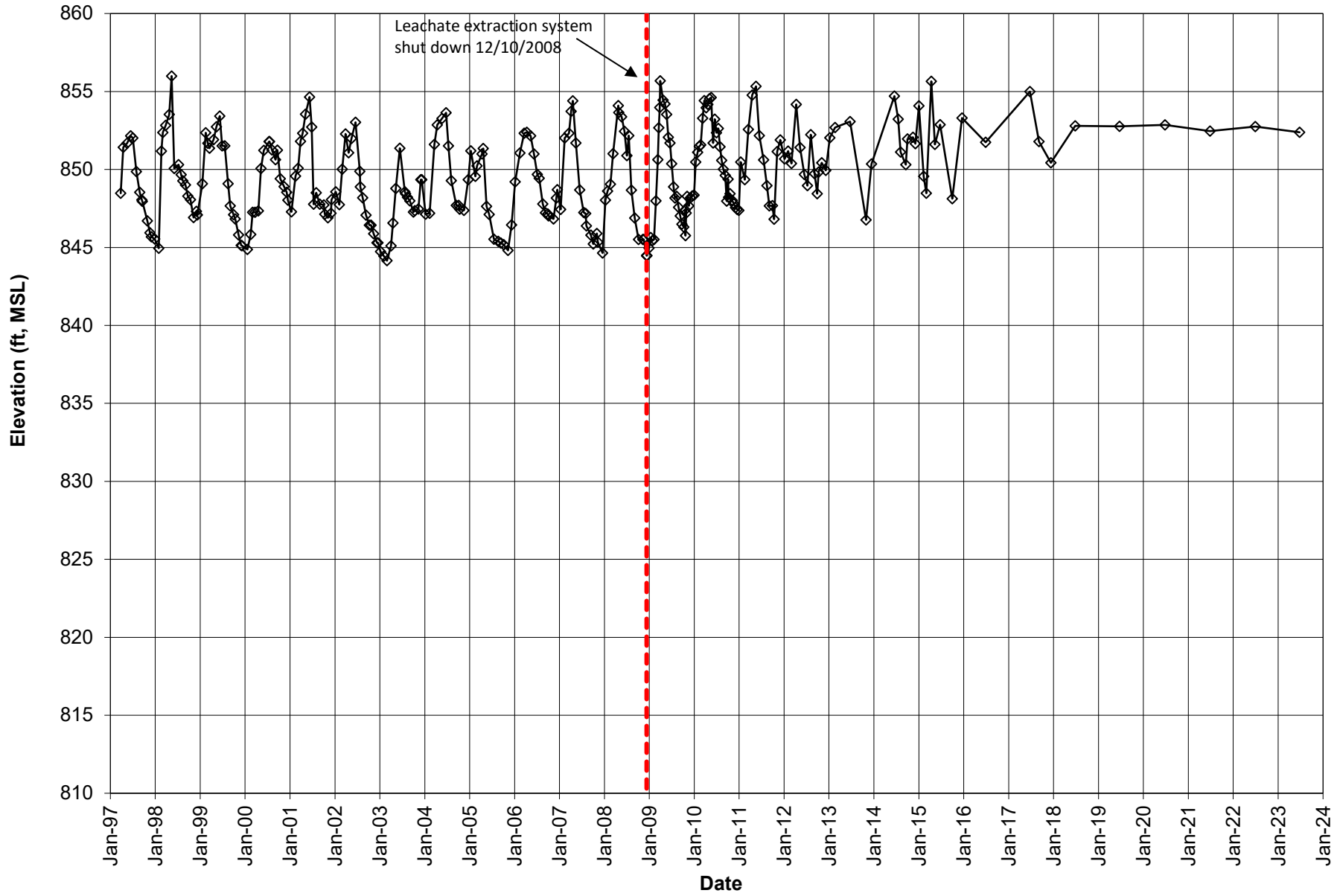
Lemberger Landfill
Leachate/Groundwater Head Levels
RM-207S



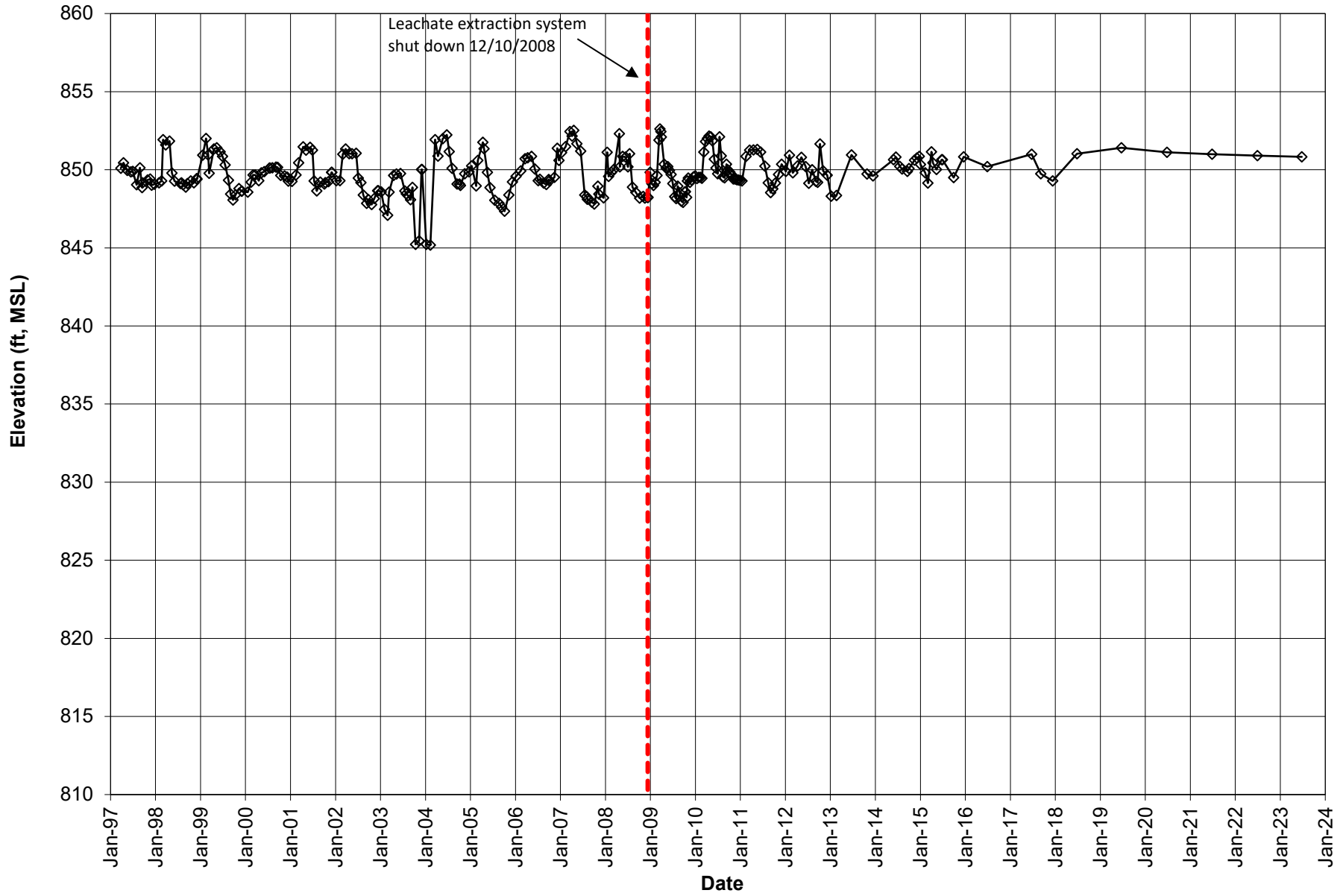
Lemberger Landfill
Leachate/Groundwater Head Levels
RM-208S



Lemberger Landfill
Leachate/Groundwater Head Levels
RM-301S



Lemberger Landfill
Leachate/Groundwater Head Levels
RM-302S



**Appendix E: Groundwater Analytical Data –
July 2022 through June 2023**

**LEMBERGER LANDFILL
RESIDENTIAL WELL VOLATILE ORGANIC ANALYSIS RESULTS
SEPTEMBER 2022**

PARAMETER	UNITS	GR-08	GR-09	GR-10	GR-11	GR-12	GR-14
		9/30/2022 40252423006	9/30/2022 40252423005	9/30/2022 40252423003	9/30/2022 40252423007	9/30/2022 40252423002	9/29/2022 40252421004
1,1,1-TRICHLOROETHANE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38 uj
1,1,2-TRICHLOROETHANE	UG/L	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,1-DICHLOROETHANE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
1,1-DICHLOROETHENE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
1,2-DICHLOROETHANE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-DICHLOROPROPANE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
2-BUTANONE	UG/L	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5
2-HEXANONE	UG/L	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj
4-METHYL-2-PENTANONE	UG/L	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj
ACETONE	UG/L	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6
BENZENE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
BROMODICHLOROMETHANE	UG/L	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
BROMOFORM	UG/L	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
BROMOMETHANE	UG/L	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2 uj
CARBON DISULFIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
CARBON TETRACHLORIDE	UG/L	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37 uj
CHLOROBENZENE	UG/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
CHLOROFORM	UG/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
CHLOROMETHANE	UG/L	< 1.6 L1	< 1.6 L1	< 1.6 L1	< 1.6 L1	< 1.6 L1	< 1.6 L1
CIS-1,2-DICHLOROETHENE	UG/L	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
ETHYLBENZENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
METHYLENE CHLORIDE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
STYRENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
TETRACHLOROETHENE	UG/L	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
TOLUENE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	0.75 J
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
TRANS-1,3-DICHLOROPROPENE	UG/L	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
TRICHLOROETHENE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

NOTES:

Laboratory data qualifiers are included in the laboratory reports in Attachment 4. See specific laboratory report for Sample Delivery Group (SDG) definition.

Non-detect results are reported as "< Limit of Detection (LOD)"

Data Validation Qualifiers:

j = the result is estimated

u = data validation rules the result as not detected

**LEMBERGER LANDFILL
RESIDENTIAL WELL VOLATILE ORGANIC ANALYSIS RESULTS
SEPTEMBER 2022**

PARAMETER	UNITS	GR-16	GR-26	GR-30	GR-60R	GR-62	GR-62 DUP	GR-63
		9/29/2022 40252421005	9/29/2022 40252422002	9/29/2022 40252422004	9/29/2022 40252422001	9/30/2022 40252423004	9/30/2022 40252423008	9/29/2022 40252421001
1,1,1-TRICHLOROETHANE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38 uj
1,1,2-TRICHLOROETHANE	UG/L	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,1-DICHLOROETHANE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
1,1-DICHLOROETHENE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
1,2-DICHLOROETHANE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-DICHLOROPROPANE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
2-BUTANONE	UG/L	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5
2-HEXANONE	UG/L	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj
4-METHYL-2-PENTANONE	UG/L	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj
ACETONE	UG/L	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6
BENZENE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
BROMODICHLOROMETHANE	UG/L	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
BROMOFORM	UG/L	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
BROMOMETHANE	UG/L	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2 uj
CARBON DISULFIDE	UG/L	< 1.1	< 1.1 M1uj	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
CARBON TETRACHLORIDE	UG/L	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37 uj
CHLOROBENZENE	UG/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
CHLOROFORM	UG/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
CHLOROMETHANE	UG/L	< 1.6 L1	< 1.6 L1	< 1.6 L1	< 1.6 L1	< 1.6 L1	< 1.6 L1	< 1.6 L1
CIS-1,2-DICHLOROETHENE	UG/L	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
ETHYLBENZENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
METHYLENE CHLORIDE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
STYRENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
TETRACHLOROETHENE	UG/L	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
TOLUENE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
TRANS-1,3-DICHLOROPROPENE	UG/L	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
TRICHLOROETHENE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

NOTES:

Laboratory data qualifiers are included in the laboratory reports in Attachment 4. See specific laboratory report for Sample Delivery Group (SDG) definition.

Non-detect results are reported as "< Limit of Detection (LOD)"

Data Validation Qualifiers:

j = the result is estimated

u = data validation rules the result as not detected

**LEMBERGER LANDFILL
RESIDENTIAL WELL VOLATILE ORGANIC ANALYSIS RESULTS
SEPTEMBER 2022**

PARAMETER	UNITS	GR-64	GR-65	GR-66	GR-73	GR-73 DUP	GR-74
		9/29/2022 40252421002	9/30/2022 40252423001	9/29/2022 40252421003	9/29/2022 40252422003	9/29/2022 40252422006	9/29/2022 40252422005
1,1,1-TRICHLOROETHANE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38 uj
1,1,2-TRICHLOROETHANE	UG/L	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,1-DICHLOROETHANE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
1,1-DICHLOROETHENE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
1,2-DICHLOROETHANE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-DICHLOROPROPANE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
2-BUTANONE	UG/L	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5
2-HEXANONE	UG/L	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj
4-METHYL-2-PENTANONE	UG/L	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj
ACETONE	UG/L	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6
BENZENE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
BROMODICHLOROMETHANE	UG/L	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
BROMOFORM	UG/L	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
BROMOMETHANE	UG/L	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2 uj
CARBON DISULFIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
CARBON TETRACHLORIDE	UG/L	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37 uj
CHLOROBENZENE	UG/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
CHLOROFORM	UG/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
CHLOROMETHANE	UG/L	< 1.6 L1	< 1.6 L1	< 1.6 L1	< 1.6 L1	< 1.6 L1	< 1.6 L1
CIS-1,2-DICHLOROETHENE	UG/L	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47	< 0.47
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
ETHYLBENZENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
METHYLENE CHLORIDE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
STYRENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
TETRACHLOROETHENE	UG/L	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
TOLUENE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
TRANS-1,3-DICHLOROPROPENE	UG/L	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
TRICHLOROETHENE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

NOTES:

Laboratory data qualifiers are included in the laboratory reports in Attachment 4. See specific laboratory report for Sample Delivery Group (SDG) definition.

Non-detect results are reported as "< Limit of Detection (LOD)"

Data Validation Qualifiers:

j = the result is estimated

u = data validation rules the result as not detected

**LEMBERGER LANDFILL
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS
SEPTEMBER/OCTOBER 2022**

PARAMETER	UNITS	OW-104F	RM-002D	RM-003D	RM-003XXD	RM-003XXD DUP	RM-005D	RM-007D
		10/28/2022 40253980001	9/30/2022 40252499005	9/30/2022 40252499003	9/30/2022 40252499004	9/30/2022 40252499007	10/28/2022 40253980002	10/28/2022 40253980004
1,1,1-TRICHLOROETHANE	UG/L	6.3	5.6	17.0	6.0	6.4	15.2	267
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.94
1,1,2-TRICHLOROETHANE	UG/L	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.86
1,1-DICHLOROETHANE	UG/L	3.0	4.1	9.9	3.5	3.4	10.8	232
1,1-DICHLOROETHENE	UG/L	1.1	0.74 J	1.4	0.76 J	0.63 J	2.3	27.7
1,2-DICHLOROETHANE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.73
1,2-DICHLOROPROPANE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 1.1
2-BUTANONE	UG/L	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 16.3
2-HEXANONE	UG/L	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 15.7
4-METHYL-2-PENTANONE	UG/L	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 14.9
ACETONE	UG/L	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 21.6
BENZENE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.74
BROMODICHLOROMETHANE	UG/L	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 1.0
BROMOFORM	UG/L	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 9.5
BROMOMETHANE	UG/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 3.0
CARBON DISULFIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 2.8 uj
CARBON TETRACHLORIDE	UG/L	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.92
CHLOROBENZENE	UG/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 2.1
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 6.6
CHLOROETHANE	UG/L	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 3.4
CHLOROFORM	UG/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 3.0
CHLOROMETHANE	UG/L	< 1.6 uj	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6 uj	< 4.1
CIS-1,2-DICHLOROETHENE	UG/L	2.1	1.0	3.3	1.3	1.5	6.0	82.5
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.90
ETHYLBENZENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.81
METHYLENE CHLORIDE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.80
STYRENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.89
TETRACHLOROETHENE	UG/L	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	2.9
TOLUENE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.72
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 1.3
TRANS-1,3-DICHLOROPROPENE	UG/L	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 8.7
TRICHLOROETHENE	UG/L	2.9	1.6	2.7	1.8	1.9	3.0	51.7
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.44
XYLENE, TOTAL	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2.6

NOTES:

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Non-detect results are reported as "< Limit of Detection (LOD)"

Data Validation Qualifiers:

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j = the result is estimated

**LEMBERGER LANDFILL
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS
SEPTEMBER/OCTOBER 2022**

PARAMETER	UNITS	RM-007XD	RM-007XD DUP	RM-007XXD	RM-008D	RM-101D	RM-102D	RM-202D
		10/28/2022 40253980006	10/28/2022 40253980007	10/28/2022 40253980005	10/26/2022 40253891001	10/14/2022 40253296004	10/26/2022 40253891005	10/24/2022 40253893004
1,1,1-TRICHLOROETHANE	UG/L	223	206	< 0.30	20.1	2.0	< 0.30	< 0.30
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.38	< 0.94	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
1,1,2-TRICHLOROETHANE	UG/L	< 0.34	< 0.86	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,1-DICHLOROETHANE	UG/L	173	170	0.32 J	6.2	2.2	< 0.30	< 0.30
1,1-DICHLOROETHENE	UG/L	29.6	23.3	< 0.58	0.92 J	< 0.58	< 0.58	< 0.58
1,2-DICHLOROETHANE	UG/L	< 0.29	< 0.73	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-DICHLOROPROPANE	UG/L	< 0.45	< 1.1	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
2-BUTANONE	UG/L	< 6.5	< 16.3	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5
2-HEXANONE	UG/L	< 6.3	< 15.7	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3
4-METHYL-2-PENTANONE	UG/L	< 6.0	< 14.9	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
ACETONE	UG/L	< 8.6	< 21.6	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6
BENZENE	UG/L	< 0.30	< 0.74	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
BROMODICHLOROMETHANE	UG/L	< 0.42	< 1.0	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
BROMOFORM	UG/L	< 3.8	< 9.5	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
BROMOMETHANE	UG/L	< 1.2	< 3.0	< 1.2	< 1.2	< 1.2 uj	< 1.2	< 1.2
CARBON DISULFIDE	UG/L	< 1.1 uj	< 2.8 uj	< 1.1 uj	< 1.1	< 1.1	< 1.1	< 1.1
CARBON TETRACHLORIDE	UG/L	< 0.37	< 0.92	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
CHLOROBENZENE	UG/L	< 0.86	< 2.1	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 6.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.4	< 3.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
CHLOROFORM	UG/L	< 1.2	< 3.0	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
CHLOROMETHANE	UG/L	< 1.6	< 4.1	< 1.6	< 1.6 uj	< 1.6	< 1.6 uj	< 1.6
CIS-1,2-DICHLOROETHENE	UG/L	74.8	69.5	< 0.47	4.1	< 0.47	< 0.47	< 0.47
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.36	< 0.90	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
ETHYLBENZENE	UG/L	< 0.33	< 0.81	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
METHYLENE CHLORIDE	UG/L	< 0.32	< 0.80	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
STYRENE	UG/L	< 0.36	< 0.89	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
TETRACHLOROETHENE	UG/L	2.3	1.8 J	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
TOLUENE	UG/L	< 0.29	< 0.72	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.53	1.4 J	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
TRANS-1,3-DICHLOROPROPENE	UG/L	< 3.5	< 8.7	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
TRICHLOROETHENE	UG/L	44.0	39.3	< 0.32	3.2	0.87 J	< 0.32	< 0.32
VINYL CHLORIDE	UG/L	< 0.17	< 0.44	< 0.17 M1uj	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.0	< 2.6	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

NOTES:

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**LEMBERGER LANDFILL
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS
SEPTEMBER/OCTOBER 2022**

PARAMETER	UNITS	RM-203D	RM-204D	RM-208D	RM-208XD	RM-208XD DUP	RM-210D	RM-211D
		10/26/2022 40253891004	10/14/2022 40253296003	10/24/2022 40253893002	10/24/2022 40253893003	10/24/2022 40253893006	9/30/2022 40252499006	10/24/2022 40253893001
1,1,1-TRICHLOROETHANE	UG/L	0.52 J	13.2	6.8	< 0.30	< 0.30	6.9	0.70 J
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
1,1,2-TRICHLOROETHANE	UG/L	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,1-DICHLOROETHANE	UG/L	< 0.30	7.9	4.3	< 0.30	< 0.30	3.7	0.30 J
1,1-DICHLOROETHENE	UG/L	< 0.58	1.1	1.8	< 0.58	< 0.58	0.83 J	< 0.58
1,2-DICHLOROETHANE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-DICHLOROPROPANE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
2-BUTANONE	UG/L	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5
2-HEXANONE	UG/L	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3
4-METHYL-2-PENTANONE	UG/L	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
ACETONE	UG/L	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6
BENZENE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
BROMODICHLOROMETHANE	UG/L	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
BROMOFORM	UG/L	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
BROMOMETHANE	UG/L	< 1.2	< 1.2 uj	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
CARBON DISULFIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
CARBON TETRACHLORIDE	UG/L	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
CHLOROBENZENE	UG/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
CHLOROFORM	UG/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
CHLOROMETHANE	UG/L	< 1.6 uj	< 1.6	< 1.6 M1	< 1.6	< 1.6	< 1.6	< 1.6
CIS-1,2-DICHLOROETHENE	UG/L	< 0.47	2.1	4.6	< 0.47	< 0.47	2.0	< 0.47
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
ETHYLBENZENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
METHYLENE CHLORIDE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
STYRENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
TETRACHLOROETHENE	UG/L	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
TOLUENE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
TRANS-1,3-DICHLOROPROPENE	UG/L	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
TRICHLOROETHENE	UG/L	< 0.32	1.9	2.2	< 0.32	< 0.32	1.3	< 0.32
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

NOTES:

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**LEMBERGER LANDFILL
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS
SEPTEMBER/OCTOBER 2022**

PARAMETER	UNITS	RM-212D	RM-213D	RM-213XD	RM-214D	RM-303D	RM-306D	RM-307D
		10/13/2022 40253296001	10/27/2022 40253980012	10/27/2022 40253980011	10/27/2022 40253980010	10/28/2022 40253980003	10/27/2022 40253980013	10/27/2022 40253980014
1,1,1-TRICHLOROETHANE	UG/L	< 0.30	2.2	10.8	7.4	295	50.9	72.1
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.38	< 0.38	< 0.38	< 0.38	< 0.94	< 0.38	< 0.38
1,1,2-TRICHLOROETHANE	UG/L	< 0.34	< 0.34	< 0.34	< 0.34	< 0.86	< 0.34	< 0.34
1,1-DICHLOROETHANE	UG/L	< 0.30	< 0.30 L1	4.8 L1j+	6.1 L1j+	274	7.2 L1j+	26.8 L1j+
1,1-DICHLOROETHENE	UG/L	< 0.58	< 0.58 M1	2.3	< 0.58	12.7	3.0	3.5
1,2-DICHLOROETHANE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.73	< 0.29	< 0.29
1,2-DICHLOROPROPANE	UG/L	< 0.45	< 0.45 L1	< 0.45 L1	< 0.45 L1	< 1.1	< 0.45 L1	< 0.45 L1
2-BUTANONE	UG/L	< 6.5	< 6.5	< 6.5	< 6.5	< 16.3	< 6.5	< 6.5
2-HEXANONE	UG/L	< 6.3	< 6.3	< 6.3	< 6.3	< 15.7	< 6.3	< 6.3
4-METHYL-2-PENTANONE	UG/L	< 6.0	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 14.9	< 6.0 uj	< 6.0 uj
ACETONE	UG/L	< 8.6	< 8.6	< 8.6	< 8.6	< 21.6	< 8.6	< 8.6
BENZENE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.74	< 0.30	< 0.30
BROMODICHLOROMETHANE	UG/L	< 0.42	< 0.42	< 0.42	< 0.42	< 1.0	< 0.42	< 0.42
BROMOFORM	UG/L	< 3.8	< 3.8	< 3.8	< 3.8	< 9.5	< 3.8	< 3.8
BROMOMETHANE	UG/L	< 1.2 uj	< 1.2	< 1.2	< 1.2	< 3.0	< 1.2	< 1.2
CARBON DISULFIDE	UG/L	< 1.1	< 1.1 M1	< 1.1	< 1.1	< 2.8 uj	< 1.1	< 1.1
CARBON TETRACHLORIDE	UG/L	< 0.37	< 0.37	< 0.37	< 0.37	< 0.92	< 0.37	< 0.37
CHLOROBENZENE	UG/L	< 0.86	< 0.86	< 0.86	< 0.86	< 2.1	< 0.86	< 0.86
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 6.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.4	< 1.4 uj	< 1.4 uj	< 1.4 uj	< 3.4	< 1.4 uj	< 1.4 uj
CHLOROFORM	UG/L	< 1.2	< 1.2	< 1.2	< 1.2	< 3.0	< 1.2	< 1.2
CHLOROMETHANE	UG/L	< 1.6	< 1.6	< 1.6	< 1.6	< 4.1	< 1.6	< 1.6
CIS-1,2-DICHLOROETHENE	UG/L	< 0.47	< 0.47	3.5	15.8	98.5	0.62 J	2.9
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.90	< 0.36	< 0.36
ETHYLBENZENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.81	< 0.33	< 0.33
METHYLENE CHLORIDE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.80	< 0.32	< 0.32
STYRENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.89	< 0.36	< 0.36
TETRACHLOROETHENE	UG/L	< 0.41	< 0.41	< 0.41	< 0.41	2.8	< 0.41	0.74 J
TOLUENE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.72	< 0.29	< 0.29
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.53	< 0.53	< 0.53	< 0.53	1.8 J	< 0.53	< 0.53
TRANS-1,3-DICHLOROPROPENE	UG/L	< 3.5	< 3.5	< 3.5	< 3.5	< 8.7	< 3.5	< 3.5
TRICHLOROETHENE	UG/L	< 0.32	0.54 J	2.4	2.5	86.6	4.5	9.9
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	1.0 J	< 0.44	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	< 2.6	< 1.0	< 1.0

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**LEMBERGER LANDFILL
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS
SEPTEMBER/OCTOBER 2022**

PARAMETER	UNITS	RM-401XD	RM-401XXD	RM-402XD	RM-402XXD	RM-403XD	RM-404XXD
		10/24/2022 40253893005	9/29/2022 40252499001	10/26/2022 40253891002	10/26/2022 40253891003	9/29/2022 40252499002	10/13/2022 40253296002
1,1,1-TRICHLOROETHANE	UG/L	13.5	2.8	107	20.7	96.9	0.98 J
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
1,1,2-TRICHLOROETHANE	UG/L	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,1-DICHLOROETHANE	UG/L	8.4	2.2 R1j	38.9	10.9	59.5	0.42 J
1,1-DICHLOROETHENE	UG/L	2.7	1.2	20.1	2.7	8.0	< 0.58
1,2-DICHLOROETHANE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-DICHLOROPROPANE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
2-BUTANONE	UG/L	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5
2-HEXANONE	UG/L	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3
4-METHYL-2-PENTANONE	UG/L	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
ACETONE	UG/L	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6
BENZENE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
BROMODICHLOROMETHANE	UG/L	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
BROMOFORM	UG/L	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
BROMOMETHANE	UG/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2 uj
CARBON DISULFIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
CARBON TETRACHLORIDE	UG/L	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
CHLOROBENZENE	UG/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
CHLOROFORM	UG/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
CHLOROMETHANE	UG/L	< 1.6	< 1.6	< 1.6 uj	< 1.6 uj	< 1.6	< 1.6
CIS-1,2-DICHLOROETHENE	UG/L	4.5	3.0	19.1	6.4	17.3	< 0.47
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
ETHYLBENZENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
METHYLENE CHLORIDE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
STYRENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
TETRACHLOROETHENE	UG/L	< 0.41	< 0.41	0.80 J	< 0.41	1.3	< 0.41
TOLUENE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
TRANS-1,3-DICHLOROPROPENE	UG/L	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
TRICHLOROETHENE	UG/L	2.5	0.75 J	11.7	5.0	17.4	0.50 J
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

NOTES:

Laboratory data qualifiers are included in the laboratory reports in Attachment 7. See specific laboratory report for Sample Delivery Group (SDG) definition.

Non-detect results are reported as "< Limit of Detection (LOD)"

Data Validation Qualifiers:

u = data validation rules result as not detected

j = the result is estimated

**LEMBERGER LANDFILL
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA
SEPTEMBER/OCTOBER 2022**

PARAMETER	UNITS	OW-104F	RM-002D	RM-003D	RM-003XXD	RM-003XXD DUP	RM-004D	RM-005D
		10/28/2022 40253980001	9/30/2022 40252499005	9/30/2022 40252499003	9/30/2022 40252499004	9/30/2022 40252499007	9/29/2022 40252499X01	10/28/2022 40253980002
ALKALINITY AS CaCO ₃ , TOTAL	MG/L	307 j+	320 j+		351 j+	360 j+		
CHLORIDE	MG/L	8.2 M0j+	13.1 j+		29.3 j+	29.6 j+		
COLOR, FIELD		NONE	NONE	NONE	NONE			NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	603	559	745	811			793
DEPTH TO WATER	FEET	37.36	23.77	18.12	15.72		54.72	42.65
DISSOLVED OXYGEN, FIELD	MG/L	0.24	1.00	0.82	1.02			1.10
IRON, TOTAL	UG/L	187 J	115 J		< 58.0	< 58.0		
MANGANESE, TOTAL	UG/L	7.4	95.0		< 1.2	< 1.2		
NITROGEN, NITRATE + NITRITE	MG/L	1.7	0.97		6.0	6.1		
ODOR, FIELD		NONE	NONE	NONE	NONE			NONE
OXIDATION REDUCTION POTENTIAL	MV	106	109	200	143			139
PH, FIELD	SU	7.54	7.39	7.13	7.17			7.25
SULFATE, TOTAL	MG/L	21.5 M0j+	36.0 j+		28.3 j+	28.3 j+		
TEMPERATURE	DEG C	7.2	8.7	9.6	9.4			9.6
TOTAL ORGANIC CARBON AS NPOC	MG/L	0.72 j+	1.8 j+		1.2 j+	1.3 j+		
TURBIDITY, FIELD								
TURBIDITY, FIELD NTU	NTU	7	6	0	0			0
WATER ELEVATION	FEET	791.38	791.94	802.01	805.81		804.37	800.43
WELL OTHER								

NOTES:

Laboratory data qualifiers are included in the laboratory reports in Attachment 7. See specific laboratory report for Sample Delivery Group (SDG) definition.

Non-detect results are reported as "< Limit of Detection (LOD)"

Data Validation Qualifiers:

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j+ = the result is estimated with a positive bias.

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**LEMBERGER LANDFILL
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA
SEPTEMBER/OCTOBER 2022**

PARAMETER	UNITS	RM-007D	RM-007XD	RM-007XD DUP	RM-007XXD	RM-008D	RM-010D	RM-101D
		10/28/2022 40253980004	10/28/2022 40253980006	10/28/2022 40253980007	10/28/2022 40253980005	10/26/2022 40253891001	9/29/2022 40252499X02	10/14/2022 40253296004
ALKALINITY AS CaCO ₃ , TOTAL	MG/L	526 j+	455 j+	455 j+				
CHLORIDE	MG/L	9.9 j+	8.8 j+	8.8 j+				
COLOR, FIELD		NONE	NONE		NONE	NONE		NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	1177	1046		609	910		725
DEPTH TO WATER	FEET	37.99	39.85		39.95	39.43	45.35	12.84
DISSOLVED OXYGEN, FIELD	MG/L	1.71	1.26		0.20	1.90		0.82
IRON, TOTAL	UG/L	318	< 58.0	< 58.0				
MANGANESE, TOTAL	UG/L	27.8	< 1.2	< 1.2				
NITROGEN, NITRATE + NITRITE	MG/L	2.0	1.4	1.3				
ODOR, FIELD		NONE	NONE		NONE	NONE		NONE
OXIDATION REDUCTION POTENTIAL	MV	148	167		-209	84		144
PH, FIELD	SU	6.93	7.06		7.46	7.12		7.37
SULFATE, TOTAL	MG/L	217 j+	128 j+	130 j+				
TEMPERATURE	DEG C	6.9	8.2		7.9	9.6		9.0
TOTAL ORGANIC CARBON AS NPOC	MG/L	2.3 j+	1.5 j+	1.4 j+				
TURBIDITY, FIELD								
TURBIDITY, FIELD NTU	NTU	5	0		0	0		0
WATER ELEVATION	FEET	805.71	804.34		804.73	806.05	804.22	806.41
WELL OTHER								

NOTES:

Laboratory data qualifiers are included in the laboratory reports in Attachment 7. See specific laboratory report for Sample Delivery Group (SDG) definition.

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**LEMBERGER LANDFILL
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA
SEPTEMBER/OCTOBER 2022**

PARAMETER	UNITS	RM-102D	RM-202D	RM-203D	RM-204D	RM-208D	RM-208XD	RM-210D	RM-211D
		10/26/2022 40253891005	10/24/2022 40253893004	10/26/2022 40253891004	10/14/2022 40253296003	10/24/2022 40253893002	10/24/2022 40253893003	9/30/2022 40252499006	10/24/2022 40253893001
ALKALINITY AS CaCO ₃ , TOTAL	MG/L	291 j+		358 M0j+	349 M0j+			379 j+	
CHLORIDE	MG/L	23.1 j+		27.4 j+	15.4 j+			17.3 j+	
COLOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	796	609	787	750	756	698	737	721
DEPTH TO WATER	FEET	40.40	10.84	32.69	29.50	39.11	42.32	31.50	17.12
DISSOLVED OXYGEN, FIELD	MG/L	3.36	0.11	2.15	0.40	1.85	0.15	1.86	3.55
IRON, TOTAL	UG/L	< 58.0		125 J	< 58.0			206 J	
MANGANESE, TOTAL	UG/L	< 1.2		3.3 J	1.8 Jju			7.5	
NITROGEN, NITRATE + NITRITE	MG/L	25.0		7.6	3.4			4.1	
ODOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	78	-142	88	69	128	-127	178	127
PH, FIELD	SU	7.27	7.72	7.35	7.29	7.21	7.38	7.56	7.26
SULFATE, TOTAL	MG/L	11.2 j+		25.9 j+	34.5 j+			37.4 j+	
TEMPERATURE	DEG C	9.3	10.1	9.6	8.8	9.3	8.8	9.2	9.8
TOTAL ORGANIC CARBON AS NPOC	MG/L	1.8 j+		1.2 j+	0.93 j+			1.2 j+	
TURBIDITY, FIELD									
TURBIDITY, FIELD NTU	NTU	7	9	6	6	0	0	7	0
WATER ELEVATION	FEET	833.72	802.74	791.19	798.98	800.8	794.9	796.36	803.23
WELL OTHER									

NOTES:

Laboratory data qualifiers are included in the laboratory reports in Attachment 7. See specific laboratory report for Sample Delivery Group (SDG) definition.

Non-detect results are reported as "< Limit of Detection (LOD)"

Data Validation Qualifiers:

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j+ = the result is estimated with a positive bias.

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**LEMBERGER LANDFILL
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA
SEPTEMBER/OCTOBER 2022**

PARAMETER	UNITS	RM-212D	RM-213D	RM-213XD	RM-214D	RM-303D	RM-305D	RM-306D	RM-307D
		10/13/2022 40253296001	10/27/2022 40253980012	10/27/2022 40253980011	10/27/2022 40253980010	10/28/2022 40253980003	9/29/2022 40252499X03	10/27/2022 40253980013	10/27/2022 40253980014
ALKALINITY AS CaCO ₃ , TOTAL	MG/L								
CHLORIDE	MG/L								
COLOR, FIELD		NONE	NONE	NONE	NONE	NONE		NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	615	980	1048	1043	1273		698	892
DEPTH TO WATER	FEET	10.60	36.36	36.87	47.83	59.23	53.58	48.75	48.70
DISSOLVED OXYGEN, FIELD	MG/L	0.17	2.01	1.48	0.23	2.47		5.57	4.84
IRON, TOTAL	UG/L								
MANGANESE, TOTAL	UG/L								
NITROGEN, NITRATE + NITRITE	MG/L								
ODOR, FIELD		NONE	NONE	NONE	NONE	NONE		NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	169	270	111	100	197		252	207
PH, FIELD	SU	7.62	7.22	7.16	7.03	6.57		7.28	7.23
SULFATE, TOTAL	MG/L								
TEMPERATURE	DEG C	9.5	9.2	9.1	9.7	11.2		8.8	8.4
TOTAL ORGANIC CARBON AS NPOC	MG/L								
TURBIDITY, FIELD									
TURBIDITY, FIELD NTU	NTU	8	6	5	7	146		6	6
WATER ELEVATION	FEET	805.06	804.87	805.83	805.65	805.82	814.37	807.47	805.24
WELL OTHER									

NOTES:

Laboratory data qualifiers are included in the laboratory reports in Attachment 7. See specific laboratory report for Sample Delivery Group (SDG) definition.

Non-detect results are reported as "< Limit of Detection (LOD)"

Data Validation Qualifiers:

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**LEMBERGER LANDFILL
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA
SEPTEMBER/OCTOBER 2022**

PARAMETER	UNITS	RM-401XD	RM-401XXD	RM-402XD	RM-402XXD	RM-403XD	RM-404XXD
		10/24/2022 40253893005	9/29/2022 40252499001	10/26/2022 40253891002	10/26/2022 40253891003	9/29/2022 40252499002	10/13/2022 40253296002
ALKALINITY AS CaCO ₃ , TOTAL	MG/L		310 M0j+	402 j+			308 j+
CHLORIDE	MG/L		32.9	22.2 j+			13.6 j+
COLOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	777	759	1274	843	959	732
DEPTH TO WATER	FEET	31.96	27.36	36.28	36.62	38.79	55.96
DISSOLVED OXYGEN, FIELD	MG/L	1.68	1.52	1.24	2.15	1.53	1.52
IRON, TOTAL	UG/L		< 58.0	< 58.0			< 58.0
MANGANESE, TOTAL	UG/L		< 1.2	3.1 J			5.4 j+
NITROGEN, NITRATE + NITRITE	MG/L		10	4.9			2.6
ODOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	95	227	117	136	171	194
PH, FIELD	SU	7.27	7.35	7.11	7.22	7.05	7.33
SULFATE, TOTAL	MG/L		21.9	323 j+			35.2 j+
TEMPERATURE	DEG C	8.8	8.8	8.8	8.8	9.2	10.1
TOTAL ORGANIC CARBON AS NPOC	MG/L		0.97 j+	1.9 j+			1.5 j+
TURBIDITY, FIELD							
TURBIDITY, FIELD NTU	NTU	0	0	0	0	0	5
WATER ELEVATION	FEET	801.64	805.49	805.79	805.6	805.71	805.7
WELL OTHER							

NOTES:

Laboratory data qualifiers are included in the laboratory reports in Attachment 7. See specific laboratory report for Sample Delivery Group (SDG) definition.

Non-detect results are reported as "< Limit of Detection (LOD)"

Data Validation Qualifiers:

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**LEMBERGER LANDFILL
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS
DECEMBER 2022**

PARAMETER	UNITS	RM-002D	RM-003D	RM-003D DUP	RM-003XXD	RM-210D	RM-401XXD	RM-403XD
		12/4/2022 40255894006	12/3/2022 40255894003	12/3/2022 40255894004	12/3/2022 40255894002	12/4/2022 40255894007	12/4/2022 40255894005	12/3/2022 40255894001
1,1,1-TRICHLOROETHANE	UG/L	5.1	12.8	13.3	6.9	6.0	2.6	84.0
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
1,1,2-TRICHLOROETHANE	UG/L	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,1-DICHLOROETHANE	UG/L	3.6	7.9	7.8	4.2	3.2	2.5	59.5
1,1-DICHLOROETHENE	UG/L	0.74 J	1.4	1.5	0.83 J	0.61 J	1.6	9.7
1,2-DICHLOROETHANE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-DICHLOROPROPANE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
2-BUTANONE	UG/L	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5
2-HEXANONE	UG/L	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj
4-METHYL-2-PENTANONE	UG/L	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
ACETONE	UG/L	< 8.6 uj	< 8.6 uj	< 8.6 uj	< 8.6 uj	< 8.6 uj	< 8.6 uj	< 8.6 uj
BENZENE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
BROMODICHLOROMETHANE	UG/L	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
BROMOFORM	UG/L	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8	< 3.8
BROMOMETHANE	UG/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
CARBON DISULFIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
CARBON TETRACHLORIDE	UG/L	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
CHLOROENZENE	UG/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
CHLOROFORM	UG/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
CHLOROMETHANE	UG/L	< 1.6 uj	< 1.6 uj	< 1.6 uj	< 1.6 uj	< 1.6 uj	< 1.6 uj	< 1.6 uj
CIS-1,2-DICHLOROETHENE	UG/L	1.1	2.4	2.6	1.5	1.7	3.5	15.8
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
ETHYLBENZENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
METHYLENE CHLORIDE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
STYRENE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
TETRACHLOROETHENE	UG/L	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	1.3
TOLUENE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
TRANS-1,3-DICHLOROPROPENE	UG/L	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5	< 3.5
TRICHLOROETHENE	UG/L	1.5	2.2	2.3	1.8	1.2	0.59 J	14.4
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

NOTES:

Laboratory data qualifiers are included in the laboratory reports in Attachment 4. See specific laboratory report for Sample Delivery Group (SDG) definition.

Non-detect results are reported as "< Limit of Detection (LOD)"

Data Validation Qualifiers:

u = data validation rules result as not detected

j = the result is estimated

**LEMBERGER LANDFILL
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA
DECEMBER 2022**

		RM-002D 12/4/2022	RM-003D 12/3/2022	RM-003XXD 12/3/2022	RM-007D 12/15/2022	RM-210D 12/4/2022	RM-401XD 12/15/2022	RM-401XXD 12/4/2022	RM-403XD 12/3/2022
PARAMETER	UNITS	40255894006	40255894003	40255894002	500-227062-1	40255894007	500-227062-2	40255894005	40255894001
COLOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	595	743	820	1184	724	747	745	930
DEPTH TO WATER	FEET	23.93	18.49	16.49	38.79	32.20	32.40	27.90	39.43
DISSOLVED OXYGEN, FIELD	MG/L	0.95	1.12	2.64	10.84	1.59	0.13	2.28	2.28
ODOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	106	165	156	203	186	201	220	174
PH, FIELD	SU	7.40	7.22	7.30	7.02	7.57	7.31	7.42	7.12
TEMPERATURE	DEG C	3.4	6.8	4.3	4.8	4.0	5.8	3.4	5.6
TURBIDITY, FIELD NTU	NTU	7	0	0	5	7	0	0	0
WATER ELEVATION	FEET	791.78	801.64	805.04	804.91	795.66	801.2	804.95	805.07

**LEMBERGER LANDFILL
MONITORING WELL PFAS RESULTS
DECEMBER 2022**

PARAMETER	UNITS	AMBIENT BLANK	FIELD BLANK	RM-007D	RM-007D DUP	RM-401XD
		12/15/2022 500-227062-5	12/15/2022 500-227062-4	12/15/2022 500-227062-1	12/15/2022 500-227062-3	12/15/2022 500-227062-2
4:2 FTS	UG/L	< 0.00022	< 0.00025	< 0.00021	< 0.0002	< 0.00021
6:2 FTS	UG/L	< 0.0023	< 0.0026	< 0.0022	< 0.0021	< 0.0022
8:2 FTS	UG/L	< 0.00043	< 0.00049	< 0.00041	< 0.00039	< 0.00041
DONA	UG/L	< 0.00037	< 0.00042	< 0.00036	< 0.00034	< 0.00036
F-53B MAJOR	UG/L	< 0.00022	< 0.00025	< 0.00021	< 0.0002	< 0.00021
F-53B MINOR	UG/L	< 0.0003	< 0.00034	< 0.00028	< 0.00027	< 0.00028
HFPO-DA	UG/L	< 0.0014	< 0.0016	< 0.0013	< 0.0013	< 0.0013
NETFOSA	UG/L	< 0.00081	< 0.00092	< 0.00077	< 0.00074	< 0.00077
NETFOSAA	UG/L	< 0.0012	< 0.0014	< 0.0012	< 0.0011	< 0.0012
NETFOSE	UG/L	< 0.00079	< 0.0009	< 0.00076	< 0.00072	< 0.00076
NMEFOSA	UG/L	< 0.0004	< 0.00045	< 0.00038	< 0.00036	< 0.00038
NMEFOSAA	UG/L	< 0.0011	< 0.0013	< 0.0011	< 0.001	< 0.0011
NMEFOSE	UG/L	< 0.0013	< 0.0015	< 0.0012	< 0.0012	< 0.0012
PERFLUOROBUTANESULFONIC ACID	UG/L	< 0.00019	< 0.00021	< 0.00018	< 0.00017	0.00018 J
PERFLUOROBUTANOIC ACID	UG/L	< 0.0022	< 0.0025	0.0052	0.0047	< 0.0021
PERFLUORODECANESULFONIC ACID	UG/L	< 0.0003	< 0.00034	< 0.00028	< 0.00027	< 0.00028
PERFLUORODECANOIC ACID	UG/L	< 0.00029	< 0.00033	< 0.00028	< 0.00026	< 0.00028
PERFLUORODODECANESULFONIC ACID	UG/L	< 0.0009	< 0.001	< 0.00086	< 0.00082	< 0.00086
PERFLUORODODECANOIC ACID	UG/L	< 0.00051	< 0.00058	< 0.00049	< 0.00047	< 0.00049
PERFLUOROHEPTANESULFONIC ACID	UG/L	< 0.00018	< 0.0002	< 0.00017	< 0.00016	< 0.00017
PERFLUROHEPTANOIC ACID	UG/L	< 0.00023	< 0.00026	0.00026 JI	< 0.00021	< 0.00022
PERFLUOROHEXANESULFONIC ACID	UG/L	< 0.00053	< 0.0006	< 0.00051	< 0.00048	< 0.00051
PERFLUROHEXANOIC ACID	UG/L	< 0.00054	< 0.00061	0.00062 J	< 0.00049	< 0.00052
PERFLUORONONANESULFONIC ACID	UG/L	< 0.00034	< 0.00039	< 0.00033	< 0.00031	< 0.00033
PERFLUORONONANOIC ACID	UG/L	< 0.00025	< 0.00029	< 0.00024	< 0.00023	< 0.00024
PERFLUOROOCETANESULFONAMIDE	UG/L	< 0.00091	< 0.001	< 0.00087	< 0.00083	< 0.00087
PERFLUROOCTANESULFONIC ACID	UG/L	< 0.0005	< 0.00057	< 0.00048	< 0.00046	< 0.00048
PERFLUROOCTANOIC ACID	UG/L	< 0.00079	< 0.0009	0.0051	0.0054	0.0011 J
PERFLUROPENTANESULFONIC ACID	UG/L	< 0.00028	< 0.00032	< 0.00027	< 0.00025	< 0.00027
PERFLUROPENTANOIC ACID	UG/L	< 0.00045	< 0.00052	< 0.00044	< 0.00042	< 0.00044
PERFLUROTRIDECANOIC ACID	UG/L	< 0.00068	< 0.00077	< 0.00065	< 0.00062	< 0.00065
PERFLUROTRIDECANOIC ACID	UG/L	< 0.0012	< 0.0014	< 0.0012	< 0.0011	< 0.0012
PERFLUROUNDECANOIC ACID	UG/L	< 0.001	< 0.0012	< 0.00098	< 0.00093	< 0.00098

NOTES:

Non-detect results are reported as "< Limit of Detection (LOD)"

J = Estimated concentration at or above the LOD and below the LOQ.

**LEMBERGER LANDFILL
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS
MARCH/APRIL 2023**

PARAMETER	UNITS	RM-002D	RM-003D	RM-003D DUP	RM-003XXD	RM-005D	RM-007XD	RM-008D	RM-204D
		4/8/2023	4/7/2023	4/7/2023	4/7/2023	4/9/2023	4/9/2023	4/8/2023	4/8/2023
		40260905005	40260905003	40260905004	40260905002	40260906004	40260906002	40260906010	40260906013
1,1,1-TRICHLOROETHANE	UG/L	5.1	11.4 j-	11.4 j-	7.1 j-	11.3 j-	200 j-	46.2 j-	11.6 j-
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.38	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38 uj
1,1,2-TRICHLOROETHANE	UG/L	< 0.34	< 0.34 uj	< 0.34 uj	< 0.34 uj	< 0.34 uj	< 0.34 uj	< 0.34 uj	< 0.34 uj
1,1-DICHLOROETHANE	UG/L	3.6	6.6 j-	6.6 j-	5.5 j-	9.7 j-	169 j-	26.6 j-	6.9 j-
1,1-DICHLOROETHENE	UG/L	< 0.58	1.1 j-	1.2 j-	0.81 J	2.4 j-	36.8 j-	2.1 j-	0.93 Jj
1,2-DICHLOROETHANE	UG/L	< 0.29	< 0.29 uj	< 0.29 uj	< 0.29 uj	< 0.29 uj	< 0.29 uj	< 0.29 uj	< 0.29 uj
1,2-DICHLOROPROPANE	UG/L	< 0.45	< 0.45 uj	< 0.45 uj	< 0.45 uj	< 0.45 uj	< 0.45 uj	< 0.45 uj	< 0.45 uj
2-BUTANONE	UG/L	< 6.5	< 6.5 uj	< 6.5 uj	< 6.5 uj	< 6.5 uj	< 6.5 uj	< 6.5 uj	< 6.5 uj
2-HEXANONE	UG/L	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj
4-METHYL-2-PENTANONE	UG/L	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj
ACETONE	UG/L	< 8.6 uj	< 8.6 uj	< 8.6 uj	< 8.6 uj	< 8.6 uj	< 8.6 uj	< 8.6 uj	< 8.6 uj
BENZENE	UG/L	< 0.30	< 0.30 uj	< 0.30 uj	< 0.30 uj	< 0.30 uj	< 0.30 uj	< 0.30 uj	< 0.30 uj
BROMODICHLOROMETHANE	UG/L	< 0.42	< 0.42 uj	< 0.42 uj	< 0.42 uj	< 0.42 uj	< 0.42 uj	< 0.42 uj	< 0.42 uj
BROMOFORM	UG/L	< 0.43	< 0.43 uj	< 0.43 uj	< 0.43 uj	< 0.43 uj	< 0.43 uj	< 0.43 uj	< 0.43 uj
BROMOMETHANE	UG/L	< 1.2	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2 uj
CARBON DISULFIDE	UG/L	< 0.65	< 0.65 uj	< 0.65 uj	< 0.65 uj	< 0.65 uj	< 0.65 uj	< 0.65 uj	< 0.65 uj
CARBON TETRACHLORIDE	UG/L	< 0.37	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37 uj
CHLOROBENZENE	UG/L	< 0.86	< 0.86 uj	< 0.86 uj	< 0.86 uj	< 0.86 uj	< 0.86 uj	< 0.86 uj	< 0.86 uj
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6 uj	< 2.6 uj	< 2.6 uj	< 2.6 uj	< 2.6 uj	< 2.6 uj	< 2.6 uj
CHLOROETHANE	UG/L	< 1.4	< 1.4 uj	< 1.4 uj	< 1.4 uj	< 1.4 uj	< 1.4 uj	< 1.4 uj	< 1.4 uj
CHLOROFORM	UG/L	< 0.50	< 0.50 uj	< 0.50 uj	< 0.50 uj	< 0.50 uj	< 0.50 uj	< 0.50 uj	< 0.50 uj
CHLOROMETHANE	UG/L	< 1.6 uj	< 1.6 uj	< 1.6 uj	< 1.6 uj	< 1.6 uj	< 1.6 uj	< 1.6 uj	< 1.6 uj
CIS-1,2-DICHLOROETHENE	UG/L	0.89 J	1.8 j-	1.9 j-	1.7 j-	5.5 j-	84.9 j-	14.0 j-	1.8 j-
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.24	< 0.24 uj	< 0.24 uj	< 0.24 uj	< 0.24 uj	< 0.24 uj	< 0.24 uj	< 0.24 uj
ETHYLBENZENE	UG/L	< 0.33	< 0.33 uj	< 0.33 uj	< 0.33 uj	< 0.33 uj	< 0.33 uj	< 0.33 uj	< 0.33 uj
METHYLENE CHLORIDE	UG/L	< 0.32	< 0.32 uj	< 0.32 uj	< 0.32 uj	< 0.32 uj	< 0.32 uj	< 0.32 uj	< 0.32 uj
STYRENE	UG/L	< 0.36	< 0.36 uj	< 0.36 uj	< 0.36 uj	< 0.36 uj	< 0.36 uj	< 0.36 uj	< 0.36 uj
TETRACHLOROETHENE	UG/L	< 0.41	< 0.41 uj	< 0.41 uj	< 0.41 uj	< 0.41 uj	1.9 j-	0.48 Jj	< 0.41 uj
TOLUENE	UG/L	< 0.29	< 0.29 uj	< 0.29 uj	< 0.29 uj	< 0.29 uj	< 0.29 uj	< 0.29 uj	< 0.29 uj
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.53	< 0.53 uj	< 0.53 uj	< 0.53 uj	< 0.53 uj	< 0.53 uj	< 0.53 uj	< 0.53 uj
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.27	< 0.27 uj	< 0.27 uj	< 0.27 uj	< 0.27 uj	< 0.27 uj	< 0.27 uj	< 0.27 uj
TRICHLOROETHENE	UG/L	1.4	1.9 j-	2.1 j-	2.2 j-	2.5 j-	43.4 j-	15.1 j-	1.9 j-
VINYL CHLORIDE	UG/L	< 0.17	< 0.17 uj	< 0.17 uj	< 0.17 uj	< 0.17 uj	< 0.17 uj	< 0.17 uj	< 0.17 uj
XYLENE, TOTAL	UG/L	< 1.0	< 1.0 uj	< 1.0 uj	< 1.0 uj	< 1.0 uj	< 1.0 uj	< 1.0 uj	< 1.0 uj

NOTES:

Laboratory data qualifiers are included in Attachment 4. See specific laboratory report for Sample Delivery Group (SDG) definition.

Non-detect results are reported as "< Limit of Detection (LOD)"

Data Validation Qualifiers:

u = data validation rules result as not detected

j = the result is estimated

j+ = the result is estimated with a positive bias.

j- = the result is estimated with a negative bias.

**LEMBERGER LANDFILL
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS
MARCH/APRIL 2023**

PARAMETER	UNITS	RM-208D	RM-208D DUP	RM-210D	RM-211D	RM-307D	RM-401XD	RM-401XXD	RM-402XD	RM-402XXD	RM-403XD
		4/9/2023	4/9/2023	4/8/2023	4/7/2023	4/9/2023	4/9/2023	4/9/2023	4/8/2023	4/8/2023	4/7/2023
		40260906005	40260906006	40260905006	40260906009	40260906001	40260906003	40260905007	40260906012	40260906011	40260905001
1,1,1-TRICHLOROETHANE	UG/L	5.4 j-	5.3 j-	6.2 j-	0.68 Jj	61.6	11.4	3.6 j-	77.4 j-	47.2 j-	58.2
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38	< 0.38	< 0.38 uj	< 0.38 uj	< 0.38 uj	< 0.38
1,1,2-TRICHLOROETHANE	UG/L	< 0.34 uj	< 0.34 uj	< 0.34 uj	< 0.34 uj	< 0.34	< 0.34	< 0.34 uj	< 0.34 uj	< 0.34 uj	< 0.34
1,1-DICHLOROETHANE	UG/L	3.6 j-	3.5 j-	3.7 j-	0.41 Jj	16.1	7.9	3.1 j-	30.5 j-	31.9 j-	36.6
1,1-DICHLOROETHENE	UG/L	1.5 j-	1.3 j-	0.90 J	< 0.58 uj	3.3	2.3	1.8 j-	15.8 j-	5.3 j-	6.3
1,2-DICHLOROETHANE	UG/L	< 0.29 uj	< 0.29 uj	< 0.29 uj	< 0.29 uj	< 0.29	< 0.29	< 0.29 uj	< 0.29 uj	< 0.29 uj	< 0.29
1,2-DICHLOROPROPANE	UG/L	< 0.45 uj	< 0.45 uj	< 0.45 uj	< 0.45 uj	< 0.45	< 0.45	< 0.45 uj	< 0.45 uj	< 0.45 uj	< 0.45
2-BUTANONE	UG/L	< 6.5 uj	< 6.5 uj	< 6.5 uj	< 6.5 uj	< 6.5	< 6.5	< 6.5 uj	< 6.5 uj	< 6.5 uj	< 6.5
2-HEXANONE	UG/L	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj	< 6.3 uj
4-METHYL-2-PENTANONE	UG/L	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj	< 6.0 uj
ACETONE	UG/L	< 8.6 uj	< 8.6 uj	< 8.6 uj	< 8.6 uj	< 8.6	< 8.6 uj	< 8.6 uj	< 8.6 uj	< 8.6 uj	< 8.6 uj
BENZENE	UG/L	< 0.30 uj	< 0.30 uj	< 0.30 uj	< 0.30 uj	< 0.30	< 0.30	< 0.30 uj	< 0.30 uj	< 0.30 uj	< 0.30
BROMODICHLOROMETHANE	UG/L	< 0.42 uj	< 0.42 uj	< 0.42 uj	< 0.42 uj	< 0.42	< 0.42	< 0.42 uj	< 0.42 uj	< 0.42 uj	< 0.42
BROMOFORM	UG/L	< 0.43 uj	< 0.43 uj	< 0.43 uj	< 0.43 uj	< 0.43	< 0.43	< 0.43 uj	< 0.43 uj	< 0.43 uj	< 0.43
BROMOMETHANE	UG/L	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2	< 1.2	< 1.2 uj	< 1.2 uj	< 1.2 uj	< 1.2
CARBON DISULFIDE	UG/L	< 0.65 uj	< 0.65 uj	< 0.65 uj	< 0.65 uj	< 0.65	< 0.65	< 0.65 uj	< 0.65 uj	< 0.65 uj	< 0.65
CARBON TETRACHLORIDE	UG/L	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37	< 0.37	< 0.37 uj	< 0.37 uj	< 0.37 uj	< 0.37
CHLOROBENZENE	UG/L	< 0.86 uj	< 0.86 uj	< 0.86 uj	< 0.86 uj	< 0.86	< 0.86	< 0.86 uj	< 0.86 uj	< 0.86 uj	< 0.86
CHLORODIBROMOMETHANE	UG/L	< 2.6 uj	< 2.6 uj	< 2.6 uj	< 2.6 uj	< 2.6	< 2.6	< 2.6 uj	< 2.6 uj	< 2.6 uj	< 2.6
CHLOROETHANE	UG/L	< 1.4 uj	< 1.4 uj	< 1.4 uj	< 1.4 uj	< 1.4	< 1.4	< 1.4 uj	< 1.4 uj	< 1.4 uj	< 1.4
CHLOROFORM	UG/L	< 0.50 uj	< 0.50 uj	< 0.50 uj	< 0.50 uj	< 0.50	< 0.50	< 0.50 uj	< 0.50 uj	< 0.50 uj	< 0.50
CHLOROMETHANE	UG/L	< 1.6 uj	< 1.6 uj	< 1.6 uj	< 1.6 uj	< 1.6	< 1.6 uj	< 1.6 uj	< 1.6 uj	< 1.6 uj	< 1.6 uj
CIS-1,2-DICHLOROETHENE	UG/L	3.4 j-	3.4 j-	1.6 j-	< 0.47 uj	3.1	4.3	4.2 j-	14.2 j-	17.7 j-	5.9
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.24 uj	< 0.24 uj	< 0.24 uj	< 0.24 uj	< 0.24	< 0.24	< 0.24 uj	< 0.24 uj	< 0.24 uj	< 0.24
ETHYLBENZENE	UG/L	< 0.33 uj	< 0.33 uj	< 0.33 uj	< 0.33 uj	< 0.33	< 0.33	< 0.33 uj	< 0.33 uj	< 0.33 uj	< 0.33
METHYLENE CHLORIDE	UG/L	< 0.32 uj	< 0.32 uj	< 0.32 uj	< 0.32 uj	< 0.32	< 0.32	< 0.32 uj	< 0.32 uj	< 0.32 uj	< 0.32
STYRENE	UG/L	< 0.36 uj	< 0.36 uj	< 0.36 uj	< 0.36 uj	< 0.36	< 0.36	< 0.36 uj	< 0.36 uj	< 0.36 uj	< 0.36
TETRACHLOROETHENE	UG/L	< 0.41 uj	< 0.41 uj	< 0.41 uj	< 0.41 uj	0.73 J	< 0.41	< 0.41 uj	< 0.41 uj	< 0.41 uj	0.56 J
TOLUENE	UG/L	< 0.29 uj	< 0.29 uj	< 0.29 uj	< 0.29 uj	< 0.29	< 0.29	< 0.29 uj	< 0.29 uj	< 0.29 uj	< 0.29
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.53 uj	< 0.53 uj	< 0.53 uj	< 0.53 uj	< 0.53	< 0.53	< 0.53 uj	< 0.53 uj	< 0.53 uj	< 0.53
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.27 uj	< 0.27 uj	< 0.27 uj	< 0.27 uj	< 0.27	< 0.27	< 0.27 uj	< 0.27 uj	< 0.27 uj	< 0.27
TRICHLOROETHENE	UG/L	1.6 j-	1.6 j-	1.4 j-	< 0.32 uj	7.5	2.2	0.81 J	10 j-	12.4 j-	7.5
VINYL CHLORIDE	UG/L	< 0.17 uj	< 0.17 uj	< 0.17 uj	< 0.17 uj	< 0.17	< 0.17	< 0.17 uj	< 0.17 uj	< 0.17 uj	< 0.17
XYLENE, TOTAL	UG/L	< 1.0 uj	< 1.0 uj	< 1.0 uj	< 1.0 uj	< 1.0	< 1.0	< 1.0 uj	< 1.0 uj	< 1.0 uj	< 1.0

NOTES:

Laboratory data qualifiers are included in Attachment 4. See specific laboratory report for Sample Delivery Group (SDG) definition.

Non-detect results are reported as "< Limit of Detection (LOD)"

Data Validation Qualifiers:

u = data validation rules result as not detected

j = the result is estimated

j+ = the result is estimated with a positive bias.

j- = the result is estimated with a negative bias.

**LEMBERGER LANDFILL
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA
MARCH/APRIL 2023**

PARAMETER	UNITS	RM-002D	RM-003D	RM-003XXD	RM-005D	RM-007XD	RM-008D	RM-204D	RM-208D
		4/8/2023 40260905005	4/7/2023 40260905003	4/7/2023 40260905002	4/9/2023 40260906004	4/9/2023 40260906002	4/8/2023 40260906010	4/8/2023 40260906013	4/9/2023 40260906005
COLOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	594	725	771	783	906	935	730	739
DEPTH TO WATER	FEET	22.91	16.76	12.28	41.60	33.31	32.74	28.87	37.93
DISSOLVED OXYGEN, FIELD	MG/L	1.17	1.13	2.75	1.13	1.44	1.72	0.50	1.86
ODOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	121	145	141	149	153	97	73	114
PH, FIELD	SU	7.24	7.30	7.32	7.26	7.15	7.18	7.34	7.34
TEMPERATURE	DEG C	8.8	9.4	9.0	9.9	9.6	9.0	9.2	9.9
TURBIDITY, FIELD NTU	NTU	7	0	0	0	0	0	6	0
WATER ELEVATION	FEET	792.8	803.37	809.25	801.48	810.88	812.74	799.61	801.98

**LEMBERGER LANDFILL
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA
MARCH/APRIL 2023**

		RM-210D 4/8/2023 40260905006	RM-211D 4/7/2023 40260906009	RM-307D 4/9/2023 40260906001	RM-401XD 4/9/2023 40260906003	RM-401XXD 4/9/2023 40260905007	RM-402XD 4/8/2023 40260906012	RM-402XXD 4/8/2023 40260906011	RM-403XD 4/7/2023 40260905001
PARAMETER	UNITS								
COLOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	742	702	748	757	750	1119	902	747
DEPTH TO WATER	FEET	30.23	14.72	42.50	30.83	23.83	31.81	32.20	34.94
DISSOLVED OXYGEN, FIELD	MG/L	1.80	3.73	5.34	1.56	2.19	1.11	2.07	2.45
ODOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	171	133	180	145	145	156	126	200
PH, FIELD	SU	7.49	7.34	7.18	7.32	7.37	7.21	7.21	7.25
TEMPERATURE	DEG C	8.9	9.5	8.9	9.0	9.0	8.4	9.0	9.3
TURBIDITY, FIELD NTU	NTU	7	0	7	0	0	0	0	0
WATER ELEVATION	FEET	797.63	805.63	811.44	802.77	809.02	810.26	810.02	809.56

LEMBERGER LANDFILL
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS
JUNE 2023

PARAMETER	UNITS	LH-01	LH-03	LW-07	RM-002D	RM-003D	RM-003XXD	RM-005S	RM-005S DUP
		6/28/2023 40264606003	6/29/2023 40264606007	6/29/2023 40264606006	6/25/2023 40264607007	6/25/2023 40264607003	6/25/2023 40264607004	6/28/2023 40264606002	6/28/2023 40264606004
1,1,1-TRICHLOROETHANE	UG/L	< 0.30	< 0.30	< 0.30	4.9	15.2	6.4	< 0.30	< 0.30
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.38	< 0.38 uj	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
1,1,2-TRICHLOROETHANE	UG/L	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,1-DICHLOROETHANE	UG/L	1.1	< 0.30	0.39 J	3.4	9.7	3.9	< 0.30	< 0.30
1,1-DICHLOROETHENE	UG/L	< 0.58	< 0.58	< 0.58	0.65 J	1.8	< 0.58	< 0.58	< 0.58
1,2-DICHLOROETHANE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-DICHLOROPROPANE	UG/L	0.63 J	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
2-BUTANONE	UG/L	< 6.5	< 6.5 uj	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5
2-HEXANONE	UG/L	< 6.3	< 6.3 uj	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3
4-METHYL-2-PENTANONE	UG/L	< 6.0	< 6.0 uj	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
ACETONE	UG/L	< 8.6	< 8.6 uj	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6
BENZENE	UG/L	4.9	2.0	10.5	< 0.30	< 0.30	< 0.30	< 0.30	< 0.30
BROMODICHLOROMETHANE	UG/L	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
BROMOFORM	UG/L	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43
BROMOMETHANE	UG/L	< 1.2	< 1.2 uj	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
CARBON DISULFIDE	UG/L	< 0.65	3.0	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65
CARBON TETRACHLORIDE	UG/L	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
CHLORO BENZENE	UG/L	< 0.86	2.0	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.4	< 1.4	1.7 J	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
CHLOROFORM	UG/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
CHLOROMETHANE	UG/L	< 1.6	< 1.6 uj	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
CIS-1,2-DICHLOROETHENE	UG/L	< 0.47	< 0.47	< 0.47	0.97 J	3.7	1.3	< 0.47	< 0.47
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
ETHYLBENZENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
METHYLENE CHLORIDE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
STYRENE	UG/L	< 0.36	< 0.36	< 0.36 L1	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
TETRACHLOROETHENE	UG/L	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41
TOLUENE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
TRICHLOROETHENE	UG/L	< 0.32	< 0.32	< 0.32	1.5	2.5	1.8	0.36 J	< 0.32
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.0	< 1.0	2.4 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

NOTES:

Laboratory data qualifiers are included in Attachment 4. See specific laboratory report for Sample Delivery Group (SDG) definition.

Non-detect results are reported as "< Limit of Detection (LOD)"

Data Validation Qualifiers:

u = data validation rules result as not detected

j = the result is estimated

j+ = the result is estimated with a positive bias.

j- = the result is estimated with a negative bias.

LEMBERGER LANDFILL
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS
JUNE 2023

PARAMETER	UNITS	RM-206S	RM-207S	RM-210D	RM-401XXD	RM-401XXD DUP	RM-403XD
		6/28/2023 40264606001	6/29/2023 40264606005	6/25/2023 40264607005	6/25/2023 40264607001	6/25/2023 40264607006	6/25/2023 40264607002
1,1,1-TRICHLOROETHANE	UG/L	< 0.30	< 0.30	5.4	3.4	3.2	79.9
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38
1,1,2-TRICHLOROETHANE	UG/L	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34
1,1-DICHLOROETHANE	UG/L	< 0.30	< 0.30	3.0	2.4	2.4	46.2
1,1-DICHLOROETHENE	UG/L	< 0.58	< 0.58	0.59 J	1.3	1.2	5.2
1,2-DICHLOROETHANE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
1,2-DICHLOROPROPANE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
2-BUTANONE	UG/L	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5	< 6.5
2-HEXANONE	UG/L	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3	< 6.3
4-METHYL-2-PENTANONE	UG/L	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
ACETONE	UG/L	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6
BENZENE	UG/L	< 0.30	0.41 J	< 0.30	< 0.30	< 0.30	< 0.30
BROMODICHLOROMETHANE	UG/L	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42
BROMOFORM	UG/L	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43
BROMOMETHANE	UG/L	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
CARBON DISULFIDE	UG/L	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65	< 0.65
CARBON TETRACHLORIDE	UG/L	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37
CHLOROBENZENE	UG/L	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4
CHLOROFORM	UG/L	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
CHLOROMETHANE	UG/L	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
CIS-1,2-DICHLOROETHENE	UG/L	< 0.47	< 0.47	1.6	3.5	3.6	14.0
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
ETHYLBENZENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
METHYLENE CHLORIDE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
STYRENE	UG/L	< 0.36	< 0.36 M0,L1	< 0.36	< 0.36	< 0.36	< 0.36
TETRACHLOROETHENE	UG/L	< 0.41	< 0.41	< 0.41	< 0.41	< 0.41	0.86 J
TOLUENE	UG/L	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53	< 0.53
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
TRICHLOROETHENE	UG/L	< 0.32	< 0.32	1.2	0.79 J	0.74 J	13.8
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

NOTES:

Laboratory data qualifiers are included in Attachment 4. See specific laboratory report for Sample Delivery Group (SDG) definition.

Non-detect results are reported as "< Limit of Detection (LOD)"

Data Validation Qualifiers:

u = data validation rules result as not detected

j = the result is estimated

j+ = the result is estimated with a positive bias.

j- = the result is estimated with a negative bias.

LEMBERGER LANDFILL
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA
JUNE 2023

PARAMETER	UNITS	LH-01	LH-03	LH-06	LW-07	RM-002D	RM-003D	RM-003XXD	RM-004D	RM-005S
		6/28/2023 40264606003	6/29/2023 40264606007	6/28/2023 40264606X02	6/29/2023 40264606006	6/25/2023 40264607007	6/25/2023 40264607003	6/25/2023 40264607004	6/25/2023 W230625001	6/28/2023 40264606002
COLOR, FIELD		NONE	NONE		NONE	NONE	NONE	NONE		NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	3347	1120		1814	580	749	732		764
DEPTH TO LEACHATE	FEET	32.53	35.17		8.82					
DEPTH TO WATER	FEET					23.54	16.93	14.65	54.84	7.67
DISSOLVED OXYGEN, FIELD	MG/L	0.76	0.35		1.15	1.04	1.10	2.38		0.64
LEACHATE HEAD ELEVATION	FEET	836.25	836.94		834.52					
LEACHATE VOLUME PUMPED	1000 GAL									
ODOR, FIELD		NONE	NONE		NONE	NONE	NONE	NONE		NONE
OXIDATION REDUCTION POTENTIAL	MV	-201	-127		-134	110	90	153		5
PH, FIELD	SU	6.52	7.10		6.56	7.32	7.26	7.35		7.14
TEMPERATURE	DEG C	10.5	11.4		10.2	10.2	10.0	9.5		9.9
TURBIDITY, FIELD NTU	NTU	6	3		14	6	0	0		5
WATER ELEVATION	FEET					792.17	803.2	806.88	804.25	836.34
WELL DRY				00000						

**LEMBERGER LANDFILL
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA
JUNE 2023**

PARAMETER	UNITS	RM-010D	RM-206S	RM-207S	RM-208S	RM-210D	RM-301S	RM-302S	RM-305D	RM-401XXD	RM-403XD
		6/25/2023 W230625002	6/28/2023 40264606001	6/29/2023 40264606005	6/28/2023 40264606X01	6/25/2023 40264607005	6/25/2023 W230625003	6/25/2023 W230625004	6/25/2023 W230625005	6/25/2023 40264607001	6/25/2023 40264607002
COLOR, FIELD			NONE	NONE		NONE				NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM		831	664		739				738	935
DEPTH TO LEACHATE	FEET										
DEPTH TO WATER	FEET	45.39	11.77	9.30		30.36	9.27	4.25	53.52	26.07	37.62
DISSOLVED OXYGEN, FIELD	MG/L		1.96	0.27		2.00				2.20	2.28
LEACHATE HEAD ELEVATION	FEET										
LEACHATE VOLUME PUMPED	1000 GAL										
ODOR, FIELD			NONE	NONE		NONE				NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV		168	-94		164				159	212
PH, FIELD	SU		7.46	7.39		7.60				7.37	7.10
TEMPERATURE	DEG C		11.2	7.7		10.1				9.1	9.4
TURBIDITY, FIELD NTU	NTU		18	7		7				0	0
WATER ELEVATION	FEET	804.18	833.35	830.64		797.5	852.38	850.82	814.43	806.78	806.88
WELL DRY					00000						

Appendix F: Laboratory Data Sheets – July 2022 through June 2023

ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE
Pace Project No.: 40252421

Sample: GR-63 **Lab ID: 40252421001** Collected: 09/29/22 17:24 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 10:59	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 10:59	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 10:59	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 10:59	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 10:59	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 10:59	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 10:59	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 10:59	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 10:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 10:59	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 10:59	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 10:59	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 10:59	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 10:59	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 10:59	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 10:59	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 10:59	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 10:59	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 10:59	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 10:59	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 10:59	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 10:59	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 10:59	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 10:59	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 10:59	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 10:59	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 10:59	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 10:59	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 10:59	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 10:59	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 10:59	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 10:59	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 10:59	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 10:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	113	%	70-130		1		10/05/22 10:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/05/22 10:59	2199-69-1	
Toluene-d8 (S)	113	%	70-130		1		10/05/22 10:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252421

Sample: GR-64 **Lab ID: 40252421002** Collected: 09/29/22 17:58 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 11:19	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 11:19	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 11:19	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 11:19	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 11:19	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 11:19	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 11:19	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 11:19	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 11:19	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 11:19	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 11:19	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 11:19	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 11:19	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 11:19	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 11:19	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 11:19	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 11:19	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 11:19	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 11:19	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 11:19	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 11:19	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 11:19	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 11:19	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 11:19	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 11:19	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 11:19	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 11:19	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 11:19	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 11:19	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 11:19	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 11:19	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 11:19	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 11:19	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 11:19	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	114	%	70-130		1		10/05/22 11:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/05/22 11:19	2199-69-1	
Toluene-d8 (S)	111	%	70-130		1		10/05/22 11:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE
Pace Project No.: 40252421

Sample: GR-66 **Lab ID: 40252421003** Collected: 09/29/22 18:30 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 11:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 11:38	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 11:38	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 11:38	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 11:38	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 11:38	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 11:38	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 11:38	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 11:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 11:38	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 11:38	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 11:38	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 11:38	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 11:38	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 11:38	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 11:38	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 11:38	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 11:38	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 11:38	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 11:38	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 11:38	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 11:38	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 11:38	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 11:38	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 11:38	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 11:38	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 11:38	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 11:38	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 11:38	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 11:38	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 11:38	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 11:38	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 11:38	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 11:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	115	%	70-130		1		10/05/22 11:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/05/22 11:38	2199-69-1	
Toluene-d8 (S)	112	%	70-130		1		10/05/22 11:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE
Pace Project No.: 40252421

Sample: GR-14 **Lab ID: 40252421004** Collected: 09/29/22 19:13 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 11:58	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 11:58	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 11:58	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 11:58	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 11:58	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 11:58	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 11:58	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 11:58	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 11:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 11:58	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 11:58	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 11:58	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 11:58	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 11:58	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 11:58	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 11:58	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 11:58	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 11:58	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 11:58	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 11:58	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 11:58	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 11:58	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 11:58	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 11:58	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 11:58	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 11:58	127-18-4	
Toluene	0.75J	ug/L	1.0	0.29	1		10/05/22 11:58	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 11:58	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 11:58	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 11:58	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 11:58	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 11:58	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 11:58	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 11:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	113	%	70-130		1		10/05/22 11:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/05/22 11:58	2199-69-1	
Toluene-d8 (S)	112	%	70-130		1		10/05/22 11:58	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE
Pace Project No.: 40252421

Sample: GR-16 **Lab ID: 40252421005** Collected: 09/29/22 19:38 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 12:18	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 12:18	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 12:18	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 12:18	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 12:18	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 12:18	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 12:18	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 12:18	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 12:18	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 12:18	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 12:18	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 12:18	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 12:18	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 12:18	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 12:18	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 12:18	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 12:18	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 12:18	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 12:18	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 12:18	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 12:18	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 12:18	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 12:18	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 12:18	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 12:18	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 12:18	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 12:18	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 12:18	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 12:18	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 12:18	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 12:18	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 12:18	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 12:18	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 12:18	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	113	%	70-130		1		10/05/22 12:18	460-00-4	
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		10/05/22 12:18	2199-69-1	
Toluene-d8 (S)	111	%	70-130		1		10/05/22 12:18	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE
Pace Project No.: 40252421

Sample: TB-001 **Lab ID: 40252421006** Collected: 09/29/22 00:00 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 10:20	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 10:20	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 10:20	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 10:20	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 10:20	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 10:20	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 10:20	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 10:20	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 10:20	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 10:20	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 10:20	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 10:20	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 10:20	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 10:20	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 10:20	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 10:20	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 10:20	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 10:20	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 10:20	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 10:20	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 10:20	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 10:20	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 10:20	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 10:20	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 10:20	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 10:20	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 10:20	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 10:20	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 10:20	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 10:20	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 10:20	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 10:20	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 10:20	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 10:20	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	113	%	70-130		1		10/05/22 10:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		10/05/22 10:20	2199-69-1	
Toluene-d8 (S)	109	%	70-130		1		10/05/22 10:20	2037-26-5	

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QUALIFIERS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252421

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252422

Sample: GR-60R **Lab ID: 40252422001** Collected: 09/29/22 08:10 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 12:37	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 12:37	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 12:37	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 12:37	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 12:37	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 12:37	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 12:37	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 12:37	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 12:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 12:37	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 12:37	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 12:37	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 12:37	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 12:37	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 12:37	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 12:37	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 12:37	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 12:37	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 12:37	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 12:37	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 12:37	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 12:37	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 12:37	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 12:37	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 12:37	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 12:37	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 12:37	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 12:37	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 12:37	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 12:37	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 12:37	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 12:37	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 12:37	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 12:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	117	%	70-130		1		10/05/22 12:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		10/05/22 12:37	2199-69-1	
Toluene-d8 (S)	111	%	70-130		1		10/05/22 12:37	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252422

Sample: GR-26 **Lab ID: 40252422002** Collected: 09/29/22 08:57 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 10:39	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 10:39	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 10:39	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 10:39	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 10:39	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 10:39	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 10:39	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 10:39	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 10:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 10:39	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 10:39	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 10:39	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 10:39	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 10:39	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 10:39	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 10:39	75-15-0	M1
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 10:39	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 10:39	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 10:39	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 10:39	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 10:39	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 10:39	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 10:39	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 10:39	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 10:39	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 10:39	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 10:39	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 10:39	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 10:39	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 10:39	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 10:39	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 10:39	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 10:39	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 10:39	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	115	%	70-130		1		10/05/22 10:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/05/22 10:39	2199-69-1	
Toluene-d8 (S)	112	%	70-130		1		10/05/22 10:39	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252422

Sample: GR-73 **Lab ID: 40252422003** Collected: 09/29/22 10:05 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 12:57	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 12:57	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 12:57	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 12:57	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 12:57	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 12:57	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 12:57	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 12:57	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 12:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 12:57	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 12:57	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 12:57	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 12:57	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 12:57	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 12:57	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 12:57	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 12:57	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 12:57	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 12:57	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 12:57	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 12:57	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 12:57	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 12:57	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 12:57	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 12:57	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 12:57	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 12:57	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 12:57	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 12:57	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 12:57	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 12:57	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 12:57	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 12:57	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 12:57	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	113	%	70-130		1		10/05/22 12:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/05/22 12:57	2199-69-1	
Toluene-d8 (S)	110	%	70-130		1		10/05/22 12:57	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252422

Sample: GR-30 **Lab ID: 40252422004** Collected: 09/29/22 10:46 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 13:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 13:17	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 13:17	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 13:17	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 13:17	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 13:17	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 13:17	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 13:17	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 13:17	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 13:17	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 13:17	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 13:17	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 13:17	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 13:17	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 13:17	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 13:17	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 13:17	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 13:17	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 13:17	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 13:17	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 13:17	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 13:17	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 13:17	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 13:17	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 13:17	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 13:17	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 13:17	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 13:17	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 13:17	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 13:17	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 13:17	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 13:17	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 13:17	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 13:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	112	%	70-130		1		10/05/22 13:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/05/22 13:17	2199-69-1	
Toluene-d8 (S)	110	%	70-130		1		10/05/22 13:17	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252422

Sample: GR-74 **Lab ID: 40252422005** Collected: 09/29/22 11:41 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 13:37	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 13:37	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 13:37	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 13:37	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 13:37	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 13:37	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 13:37	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 13:37	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 13:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 13:37	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 13:37	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 13:37	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 13:37	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 13:37	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 13:37	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 13:37	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 13:37	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 13:37	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 13:37	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 13:37	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 13:37	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 13:37	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 13:37	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 13:37	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 13:37	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 13:37	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 13:37	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 13:37	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 13:37	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 13:37	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 13:37	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 13:37	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 13:37	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 13:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	112	%	70-130		1		10/05/22 13:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		10/05/22 13:37	2199-69-1	
Toluene-d8 (S)	113	%	70-130		1		10/05/22 13:37	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252422

Sample: GR-FDUP-001 **Lab ID: 40252422006** Collected: 09/29/22 00:00 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 13:57	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 13:57	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 13:57	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 13:57	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 13:57	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 13:57	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 13:57	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 13:57	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 13:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 13:57	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 13:57	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 13:57	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 13:57	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 13:57	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 13:57	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 13:57	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 13:57	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 13:57	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 13:57	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 13:57	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 13:57	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 13:57	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 13:57	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 13:57	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 13:57	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 13:57	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 13:57	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 13:57	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 13:57	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 13:57	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 13:57	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 13:57	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 13:57	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 13:57	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	113	%	70-130		1		10/05/22 13:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		10/05/22 13:57	2199-69-1	
Toluene-d8 (S)	110	%	70-130		1		10/05/22 13:57	2037-26-5	

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QUALIFIERS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252422

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252423

Sample: GR-65 **Lab ID: 40252423001** Collected: 09/30/22 14:12 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 14:16	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 14:16	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 14:16	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 14:16	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 14:16	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 14:16	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 14:16	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 14:16	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 14:16	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 14:16	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 14:16	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 14:16	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 14:16	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 14:16	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 14:16	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 14:16	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 14:16	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 14:16	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 14:16	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 14:16	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 14:16	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 14:16	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 14:16	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 14:16	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 14:16	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 14:16	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 14:16	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 14:16	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 14:16	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 14:16	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 14:16	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 14:16	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 14:16	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 14:16	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	115	%	70-130		1		10/05/22 14:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		10/05/22 14:16	2199-69-1	
Toluene-d8 (S)	110	%	70-130		1		10/05/22 14:16	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE
Pace Project No.: 40252423

Sample: GR-12 **Lab ID: 40252423002** Collected: 09/30/22 14:43 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 14:36	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 14:36	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 14:36	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 14:36	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 14:36	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 14:36	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 14:36	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 14:36	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 14:36	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 14:36	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 14:36	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 14:36	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 14:36	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 14:36	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 14:36	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 14:36	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 14:36	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 14:36	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 14:36	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 14:36	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 14:36	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 14:36	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 14:36	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 14:36	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 14:36	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 14:36	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 14:36	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 14:36	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 14:36	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 14:36	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 14:36	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 14:36	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 14:36	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 14:36	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	115	%	70-130		1		10/05/22 14:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/05/22 14:36	2199-69-1	
Toluene-d8 (S)	111	%	70-130		1		10/05/22 14:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252423

Sample: GR-10 **Lab ID: 40252423003** Collected: 09/30/22 15:18 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 14:55	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 14:55	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 14:55	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 14:55	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 14:55	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 14:55	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 14:55	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 14:55	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 14:55	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 14:55	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 14:55	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 14:55	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 14:55	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 14:55	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 14:55	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 14:55	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 14:55	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 14:55	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 14:55	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 14:55	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 14:55	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 14:55	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 14:55	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 14:55	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 14:55	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 14:55	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 14:55	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 14:55	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 14:55	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 14:55	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 14:55	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 14:55	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 14:55	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 14:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	111	%	70-130		1		10/05/22 14:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/05/22 14:55	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		10/05/22 14:55	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252423

Sample: GR-62 **Lab ID: 40252423004** Collected: 09/30/22 16:10 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 15:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 15:54	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 15:54	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 15:54	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 15:54	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 15:54	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 15:54	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 15:54	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 15:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 15:54	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 15:54	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 15:54	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 15:54	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 15:54	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 15:54	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 15:54	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 15:54	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 15:54	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 15:54	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 15:54	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 15:54	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 15:54	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 15:54	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 15:54	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 15:54	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 15:54	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 15:54	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 15:54	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 15:54	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 15:54	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 15:54	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 15:54	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 15:54	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 15:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	113	%	70-130		1		10/05/22 15:54	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/05/22 15:54	2199-69-1	
Toluene-d8 (S)	110	%	70-130		1		10/05/22 15:54	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252423

Sample: GR-9 **Lab ID: 40252423005** Collected: 09/30/22 16:41 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 16:53	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 16:53	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 16:53	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 16:53	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 16:53	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 16:53	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 16:53	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 16:53	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 16:53	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 16:53	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 16:53	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 16:53	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 16:53	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 16:53	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 16:53	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 16:53	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 16:53	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 16:53	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 16:53	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 16:53	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 16:53	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 16:53	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 16:53	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 16:53	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 16:53	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 16:53	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 16:53	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 16:53	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 16:53	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 16:53	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 16:53	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 16:53	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 16:53	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 16:53	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	118	%	70-130		1		10/05/22 16:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/05/22 16:53	2199-69-1	
Toluene-d8 (S)	109	%	70-130		1		10/05/22 16:53	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252423

Sample: GR-8 **Lab ID: 40252423006** Collected: 09/30/22 17:15 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 17:13	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 17:13	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 17:13	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 17:13	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 17:13	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 17:13	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 17:13	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 17:13	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 17:13	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 17:13	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 17:13	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 17:13	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 17:13	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 17:13	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 17:13	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 17:13	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 17:13	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 17:13	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 17:13	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 17:13	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 17:13	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 17:13	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 17:13	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 17:13	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 17:13	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 17:13	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 17:13	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 17:13	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 17:13	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 17:13	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 17:13	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 17:13	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 17:13	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 17:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	116	%	70-130		1		10/05/22 17:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/05/22 17:13	2199-69-1	
Toluene-d8 (S)	109	%	70-130		1		10/05/22 17:13	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252423

Sample: GR-11 **Lab ID: 40252423007** Collected: 09/30/22 17:57 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 17:33	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 17:33	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 17:33	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 17:33	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 17:33	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 17:33	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 17:33	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 17:33	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 17:33	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 17:33	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 17:33	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 17:33	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 17:33	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 17:33	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 17:33	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 17:33	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 17:33	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 17:33	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 17:33	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 17:33	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 17:33	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 17:33	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 17:33	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 17:33	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 17:33	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 17:33	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 17:33	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 17:33	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 17:33	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 17:33	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 17:33	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 17:33	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 17:33	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 17:33	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	116	%	70-130		1		10/05/22 17:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		10/05/22 17:33	2199-69-1	
Toluene-d8 (S)	111	%	70-130		1		10/05/22 17:33	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252423

Sample: GR-FDUP-002 **Lab ID: 40252423008** Collected: 09/30/22 00:00 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 17:52	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/05/22 17:52	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/05/22 17:52	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/05/22 17:52	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/05/22 17:52	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/05/22 17:52	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/05/22 17:52	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/05/22 17:52	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/05/22 17:52	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/05/22 17:52	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/05/22 17:52	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/05/22 17:52	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/05/22 17:52	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/05/22 17:52	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/05/22 17:52	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/05/22 17:52	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/05/22 17:52	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/05/22 17:52	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/05/22 17:52	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/05/22 17:52	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/05/22 17:52	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/05/22 17:52	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/05/22 17:52	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/05/22 17:52	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/05/22 17:52	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/05/22 17:52	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/05/22 17:52	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/05/22 17:52	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/22 17:52	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/05/22 17:52	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/05/22 17:52	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/05/22 17:52	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/05/22 17:52	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/05/22 17:52	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	114	%	70-130		1		10/05/22 17:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/05/22 17:52	2199-69-1	
Toluene-d8 (S)	109	%	70-130		1		10/05/22 17:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF RE

Pace Project No.: 40252423

Sample: TB-001 **Lab ID: 40252423009** Collected: 09/30/22 00:00 Received: 10/03/22 06:51 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/06/22 17:59	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/06/22 17:59	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/06/22 17:59	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/06/22 17:59	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/06/22 17:59	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/06/22 17:59	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/06/22 17:59	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/06/22 17:59	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/06/22 17:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/06/22 17:59	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/06/22 17:59	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/06/22 17:59	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/06/22 17:59	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/06/22 17:59	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/06/22 17:59	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/06/22 17:59	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/06/22 17:59	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/06/22 17:59	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/06/22 17:59	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/06/22 17:59	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/06/22 17:59	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/06/22 17:59	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/06/22 17:59	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/06/22 17:59	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/06/22 17:59	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/06/22 17:59	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/06/22 17:59	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/06/22 17:59	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/06/22 17:59	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/06/22 17:59	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/06/22 17:59	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/06/22 17:59	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/06/22 17:59	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/06/22 17:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/06/22 17:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		10/06/22 17:59	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		10/06/22 17:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 473040.0000PH4 LEMBERGER LF RE
Pace Project No.: 40252423

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER

Pace Project No.: 40252499

Sample: RM-401XXD **Lab ID: 40252499001** Collected: 09/29/22 13:32 Received: 10/04/22 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	10/19/22 06:04	10/25/22 14:17	7439-89-6	
Manganese	<1.2	ug/L	4.0	1.2	1	10/19/22 06:04	10/25/22 14:17	7439-96-5	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	2.8	ug/L	1.0	0.30	1		10/07/22 11:03	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/07/22 11:03	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/07/22 11:03	79-00-5	
1,1-Dichloroethane	2.2	ug/L	1.0	0.30	1		10/07/22 11:03	75-34-3	R1
1,1-Dichloroethene	1.2	ug/L	1.0	0.58	1		10/07/22 11:03	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/07/22 11:03	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/07/22 11:03	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/07/22 11:03	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/07/22 11:03	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/07/22 11:03	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/07/22 11:03	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/07/22 11:03	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/07/22 11:03	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/07/22 11:03	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/07/22 11:03	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/07/22 11:03	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/07/22 11:03	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/07/22 11:03	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/07/22 11:03	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/07/22 11:03	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/07/22 11:03	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/07/22 11:03	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/07/22 11:03	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/07/22 11:03	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/07/22 11:03	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/07/22 11:03	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/07/22 11:03	108-88-3	
Trichloroethene	0.75J	ug/L	1.0	0.32	1		10/07/22 11:03	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/07/22 11:03	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/07/22 11:03	1330-20-7	
cis-1,2-Dichloroethene	3.0	ug/L	1.0	0.47	1		10/07/22 11:03	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/07/22 11:03	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/07/22 11:03	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/07/22 11:03	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		10/07/22 11:03	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/07/22 11:03	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		10/07/22 11:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER

Pace Project No.: 40252499

Sample: RM-401XXD **Lab ID: 40252499001** Collected: 09/29/22 13:32 Received: 10/04/22 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	32.9	mg/L	2.0	0.43	1		10/10/22 14:55	16887-00-6	
Sulfate	21.9	mg/L	2.0	0.44	1		10/10/22 14:55	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	310	mg/L	50.0	14.9	2		10/07/22 11:43		M0
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	10	mg/L	0.50	0.12	2		10/11/22 12:22		
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	0.97	mg/L	0.50	0.14	1		10/12/22 21:10	7440-44-0	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER

Pace Project No.: 40252499

Sample: RM-403XD **Lab ID: 40252499002** Collected: 09/29/22 15:06 Received: 10/04/22 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	96.9	ug/L	1.0	0.30	1		10/07/22 13:01	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/07/22 13:01	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/07/22 13:01	79-00-5	
1,1-Dichloroethane	59.5	ug/L	1.0	0.30	1		10/07/22 13:01	75-34-3	
1,1-Dichloroethene	8.0	ug/L	1.0	0.58	1		10/07/22 13:01	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/07/22 13:01	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/07/22 13:01	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/07/22 13:01	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/07/22 13:01	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/07/22 13:01	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/07/22 13:01	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/07/22 13:01	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/07/22 13:01	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/07/22 13:01	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/07/22 13:01	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/07/22 13:01	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/07/22 13:01	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/07/22 13:01	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/07/22 13:01	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/07/22 13:01	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/07/22 13:01	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/07/22 13:01	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/07/22 13:01	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/07/22 13:01	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/07/22 13:01	100-42-5	
Tetrachloroethene	1.3	ug/L	1.0	0.41	1		10/07/22 13:01	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/07/22 13:01	108-88-3	
Trichloroethene	17.4	ug/L	1.0	0.32	1		10/07/22 13:01	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/07/22 13:01	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/07/22 13:01	1330-20-7	
cis-1,2-Dichloroethene	17.3	ug/L	1.0	0.47	1		10/07/22 13:01	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/07/22 13:01	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/07/22 13:01	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/07/22 13:01	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/07/22 13:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		10/07/22 13:01	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		10/07/22 13:01	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER

Pace Project No.: 40252499

Sample: RM-003D **Lab ID: 40252499003** Collected: 09/30/22 07:58 Received: 10/04/22 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	17.0	ug/L	1.0	0.30	1		10/07/22 11:23	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/07/22 11:23	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/07/22 11:23	79-00-5	
1,1-Dichloroethane	9.9	ug/L	1.0	0.30	1		10/07/22 11:23	75-34-3	
1,1-Dichloroethene	1.4	ug/L	1.0	0.58	1		10/07/22 11:23	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/07/22 11:23	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/07/22 11:23	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/07/22 11:23	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/07/22 11:23	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/07/22 11:23	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/07/22 11:23	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/07/22 11:23	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/07/22 11:23	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/07/22 11:23	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/07/22 11:23	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/07/22 11:23	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/07/22 11:23	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/07/22 11:23	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/07/22 11:23	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/07/22 11:23	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/07/22 11:23	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/07/22 11:23	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/07/22 11:23	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/07/22 11:23	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/07/22 11:23	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/07/22 11:23	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/07/22 11:23	108-88-3	
Trichloroethene	2.7	ug/L	1.0	0.32	1		10/07/22 11:23	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/07/22 11:23	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/07/22 11:23	1330-20-7	
cis-1,2-Dichloroethene	3.3	ug/L	1.0	0.47	1		10/07/22 11:23	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/07/22 11:23	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/07/22 11:23	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/07/22 11:23	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/07/22 11:23	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/07/22 11:23	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		10/07/22 11:23	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER
Pace Project No.: 40252499

Sample: RM-003XXD **Lab ID: 40252499004** Collected: 09/30/22 09:00 Received: 10/04/22 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	10/19/22 06:04	10/25/22 14:47	7439-89-6	
Manganese	<1.2	ug/L	4.0	1.2	1	10/19/22 06:04	10/25/22 14:47	7439-96-5	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	6.0	ug/L	1.0	0.30	1		10/07/22 11:42	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/07/22 11:42	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/07/22 11:42	79-00-5	
1,1-Dichloroethane	3.5	ug/L	1.0	0.30	1		10/07/22 11:42	75-34-3	
1,1-Dichloroethene	0.76J	ug/L	1.0	0.58	1		10/07/22 11:42	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/07/22 11:42	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/07/22 11:42	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/07/22 11:42	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/07/22 11:42	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/07/22 11:42	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/07/22 11:42	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/07/22 11:42	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/07/22 11:42	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/07/22 11:42	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/07/22 11:42	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/07/22 11:42	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/07/22 11:42	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/07/22 11:42	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/07/22 11:42	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/07/22 11:42	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/07/22 11:42	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/07/22 11:42	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/07/22 11:42	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/07/22 11:42	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/07/22 11:42	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/07/22 11:42	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/07/22 11:42	108-88-3	
Trichloroethene	1.8	ug/L	1.0	0.32	1		10/07/22 11:42	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/07/22 11:42	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/07/22 11:42	1330-20-7	
cis-1,2-Dichloroethene	1.3	ug/L	1.0	0.47	1		10/07/22 11:42	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/07/22 11:42	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/07/22 11:42	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/07/22 11:42	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/07/22 11:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/07/22 11:42	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		10/07/22 11:42	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER

Pace Project No.: 40252499

Sample: RM-003XXD **Lab ID: 40252499004** Collected: 09/30/22 09:00 Received: 10/04/22 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	29.3	mg/L	2.0	0.43	1		10/10/22 15:39	16887-00-6	
Sulfate	28.3	mg/L	2.0	0.44	1		10/10/22 15:39	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	351	mg/L	25.0	7.4	1		10/07/22 11:46		
353.2 Nitrogen, NO₂/NO₃ pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	6.0	mg/L	0.25	0.059	1		10/11/22 12:26		
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	1.2	mg/L	0.50	0.14	1		10/12/22 21:57	7440-44-0	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER

Pace Project No.: 40252499

Sample: RM-002D **Lab ID: 40252499005** Collected: 09/30/22 11:22 Received: 10/04/22 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	115J	ug/L	250	58.0	1	10/19/22 06:04	10/25/22 15:01	7439-89-6	
Manganese	95.0	ug/L	4.0	1.2	1	10/19/22 06:04	10/25/22 15:01	7439-96-5	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	5.6	ug/L	1.0	0.30	1		10/07/22 12:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/07/22 12:02	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/07/22 12:02	79-00-5	
1,1-Dichloroethane	4.1	ug/L	1.0	0.30	1		10/07/22 12:02	75-34-3	
1,1-Dichloroethene	0.74J	ug/L	1.0	0.58	1		10/07/22 12:02	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/07/22 12:02	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/07/22 12:02	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/07/22 12:02	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/07/22 12:02	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/07/22 12:02	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/07/22 12:02	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/07/22 12:02	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/07/22 12:02	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/07/22 12:02	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/07/22 12:02	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/07/22 12:02	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/07/22 12:02	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/07/22 12:02	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/07/22 12:02	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/07/22 12:02	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/07/22 12:02	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/07/22 12:02	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/07/22 12:02	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/07/22 12:02	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/07/22 12:02	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/07/22 12:02	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/07/22 12:02	108-88-3	
Trichloroethene	1.6	ug/L	1.0	0.32	1		10/07/22 12:02	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/07/22 12:02	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/07/22 12:02	1330-20-7	
cis-1,2-Dichloroethene	1.0	ug/L	1.0	0.47	1		10/07/22 12:02	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/07/22 12:02	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/07/22 12:02	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/07/22 12:02	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		10/07/22 12:02	460-00-4	
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		10/07/22 12:02	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		10/07/22 12:02	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER

Pace Project No.: 40252499

Sample: RM-002D **Lab ID: 40252499005** Collected: 09/30/22 11:22 Received: 10/04/22 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	13.1	mg/L	2.0	0.43	1		10/10/22 16:39	16887-00-6	
Sulfate	36.0	mg/L	2.0	0.44	1		10/10/22 16:39	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	320	mg/L	25.0	7.4	1		10/07/22 11:47		
353.2 Nitrogen, NO₂/NO₃ pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	0.97	mg/L	0.25	0.059	1		10/11/22 12:26		
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	1.8	mg/L	0.50	0.14	1		10/12/22 22:11	7440-44-0	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER

Pace Project No.: 40252499

Sample: RM-210D **Lab ID: 40252499006** Collected: 09/30/22 13:41 Received: 10/04/22 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	206J	ug/L	250	58.0	1	10/19/22 06:04	10/25/22 15:09	7439-89-6	
Manganese	7.5	ug/L	4.0	1.2	1	10/19/22 06:04	10/25/22 15:09	7439-96-5	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	6.9	ug/L	1.0	0.30	1		10/07/22 12:21	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/07/22 12:21	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/07/22 12:21	79-00-5	
1,1-Dichloroethane	3.7	ug/L	1.0	0.30	1		10/07/22 12:21	75-34-3	
1,1-Dichloroethene	0.83J	ug/L	1.0	0.58	1		10/07/22 12:21	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/07/22 12:21	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/07/22 12:21	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/07/22 12:21	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/07/22 12:21	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/07/22 12:21	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/07/22 12:21	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/07/22 12:21	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/07/22 12:21	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/07/22 12:21	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/07/22 12:21	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/07/22 12:21	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/07/22 12:21	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/07/22 12:21	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/07/22 12:21	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/07/22 12:21	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/07/22 12:21	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/07/22 12:21	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/07/22 12:21	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/07/22 12:21	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/07/22 12:21	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/07/22 12:21	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/07/22 12:21	108-88-3	
Trichloroethene	1.3	ug/L	1.0	0.32	1		10/07/22 12:21	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/07/22 12:21	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/07/22 12:21	1330-20-7	
cis-1,2-Dichloroethene	2.0	ug/L	1.0	0.47	1		10/07/22 12:21	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/07/22 12:21	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/07/22 12:21	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/07/22 12:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/07/22 12:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/07/22 12:21	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		10/07/22 12:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER
Pace Project No.: 40252499

Sample: RM-210D **Lab ID: 40252499006** Collected: 09/30/22 13:41 Received: 10/04/22 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	17.3	mg/L	2.0	0.43	1		10/10/22 16:53	16887-00-6	
Sulfate	37.4	mg/L	2.0	0.44	1		10/10/22 16:53	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	379	mg/L	25.0	7.4	1		10/07/22 11:48		
353.2 Nitrogen, NO₂/NO₃ pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	4.1	mg/L	0.25	0.059	1		10/11/22 12:27		
5310C TOC									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	1.2	mg/L	0.50	0.14	1		10/12/22 22:26	7440-44-0	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER

Pace Project No.: 40252499

Sample: FDUP-001 **Lab ID: 40252499007** Collected: 09/30/22 00:00 Received: 10/04/22 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	10/19/22 06:04	10/25/22 15:16	7439-89-6	
Manganese	<1.2	ug/L	4.0	1.2	1	10/19/22 06:04	10/25/22 15:16	7439-96-5	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	6.4	ug/L	1.0	0.30	1		10/07/22 12:41	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/07/22 12:41	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/07/22 12:41	79-00-5	
1,1-Dichloroethane	3.4	ug/L	1.0	0.30	1		10/07/22 12:41	75-34-3	
1,1-Dichloroethene	0.63J	ug/L	1.0	0.58	1		10/07/22 12:41	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/07/22 12:41	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/07/22 12:41	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/07/22 12:41	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/07/22 12:41	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/07/22 12:41	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/07/22 12:41	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/07/22 12:41	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/07/22 12:41	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/07/22 12:41	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/07/22 12:41	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/07/22 12:41	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/07/22 12:41	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/07/22 12:41	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/07/22 12:41	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/07/22 12:41	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/07/22 12:41	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/07/22 12:41	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/07/22 12:41	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/07/22 12:41	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/07/22 12:41	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/07/22 12:41	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/07/22 12:41	108-88-3	
Trichloroethene	1.9	ug/L	1.0	0.32	1		10/07/22 12:41	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/07/22 12:41	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/07/22 12:41	1330-20-7	
cis-1,2-Dichloroethene	1.5	ug/L	1.0	0.47	1		10/07/22 12:41	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/07/22 12:41	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/07/22 12:41	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/07/22 12:41	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/07/22 12:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		10/07/22 12:41	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		10/07/22 12:41	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER

Pace Project No.: 40252499

Sample: FDUP-001 **Lab ID: 40252499007** Collected: 09/30/22 00:00 Received: 10/04/22 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	29.6	mg/L	2.0	0.43	1		10/10/22 17:08	16887-00-6	
Sulfate	28.3	mg/L	2.0	0.44	1		10/10/22 17:08	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	360	mg/L	25.0	7.4	1		10/07/22 11:49		
353.2 Nitrogen, NO₂/NO₃ pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	6.1	mg/L	0.25	0.059	1		10/11/22 12:28		
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	1.3	mg/L	0.50	0.14	1		10/12/22 22:40	7440-44-0	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER

Pace Project No.: 40252499

Sample: FB-001 **Lab ID: 40252499008** Collected: 09/30/22 19:30 Received: 10/04/22 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	10/19/22 06:04	10/24/22 18:07	7439-89-6	
Manganese	<1.2	ug/L	4.0	1.2	1	10/19/22 06:04	10/24/22 18:07	7439-96-5	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/06/22 10:39	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/06/22 10:39	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/06/22 10:39	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/06/22 10:39	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/06/22 10:39	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/06/22 10:39	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/06/22 10:39	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/06/22 10:39	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/06/22 10:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/06/22 10:39	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/06/22 10:39	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/06/22 10:39	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/06/22 10:39	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/06/22 10:39	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/06/22 10:39	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/06/22 10:39	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/06/22 10:39	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/06/22 10:39	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/06/22 10:39	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/06/22 10:39	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/06/22 10:39	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/06/22 10:39	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/06/22 10:39	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/06/22 10:39	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/06/22 10:39	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/06/22 10:39	127-18-4	
Toluene	1.1	ug/L	1.0	0.29	1		10/06/22 10:39	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/06/22 10:39	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/06/22 10:39	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/06/22 10:39	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/06/22 10:39	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/06/22 10:39	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/06/22 10:39	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/06/22 10:39	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		10/06/22 10:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/06/22 10:39	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		10/06/22 10:39	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER

Pace Project No.: 40252499

Sample: FB-001 **Lab ID: 40252499008** Collected: 09/30/22 19:30 Received: 10/04/22 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	<0.43	mg/L	2.0	0.43	1		10/10/22 17:23	16887-00-6	
Sulfate	<0.44	mg/L	2.0	0.44	1		10/10/22 17:23	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	<7.4	mg/L	25.0	7.4	1		10/07/22 11:50		
353.2 Nitrogen, NO₂/NO₃ pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	<0.059	mg/L	0.25	0.059	1		10/11/22 12:28		
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	0.40J	mg/L	0.50	0.14	1		10/12/22 22:54	7440-44-0	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER

Pace Project No.: 40252499

Sample: TB-001 **Lab ID: 40252499009** Collected: 09/30/22 00:00 Received: 10/04/22 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/06/22 10:56	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/06/22 10:56	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/06/22 10:56	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/06/22 10:56	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/06/22 10:56	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/06/22 10:56	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/06/22 10:56	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/06/22 10:56	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/06/22 10:56	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/06/22 10:56	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/06/22 10:56	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/06/22 10:56	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/06/22 10:56	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/06/22 10:56	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/06/22 10:56	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/06/22 10:56	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/06/22 10:56	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/06/22 10:56	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/06/22 10:56	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/06/22 10:56	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/06/22 10:56	74-87-3	L1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/06/22 10:56	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/06/22 10:56	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/06/22 10:56	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/06/22 10:56	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/06/22 10:56	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/06/22 10:56	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/06/22 10:56	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/06/22 10:56	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/06/22 10:56	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/06/22 10:56	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/06/22 10:56	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/06/22 10:56	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/06/22 10:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/06/22 10:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		10/06/22 10:56	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		10/06/22 10:56	2037-26-5	

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QUALIFIERS

Project: 473040.0000PH4 LEMBERGER

Pace Project No.: 40252499

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 473040.0PH.4LEMBERGER LF-PLUME
Pace Project No.: 40253296

Sample: RM-212D **Lab ID: 40253296001** Collected: 10/13/22 16:44 Received: 10/18/22 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/24/22 10:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/24/22 10:09	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/24/22 10:09	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/24/22 10:09	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/24/22 10:09	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/24/22 10:09	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/24/22 10:09	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/24/22 10:09	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/24/22 10:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/24/22 10:09	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/24/22 10:09	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/24/22 10:09	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/24/22 10:09	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/24/22 10:09	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/24/22 10:09	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/24/22 10:09	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/24/22 10:09	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/24/22 10:09	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/24/22 10:09	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/24/22 10:09	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/24/22 10:09	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/24/22 10:09	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/24/22 10:09	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/24/22 10:09	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/24/22 10:09	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/24/22 10:09	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/24/22 10:09	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/24/22 10:09	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/24/22 10:09	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/24/22 10:09	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/24/22 10:09	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/24/22 10:09	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/24/22 10:09	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/24/22 10:09	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		10/24/22 10:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		10/24/22 10:09	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		10/24/22 10:09	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0PH.4LEMBERGER LF-PLUME

Pace Project No.: 40253296

Sample: RM-404XXD **Lab ID: 40253296002** Collected: 10/13/22 18:29 Received: 10/18/22 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	11/04/22 06:17	11/12/22 03:32	7439-89-6	
Manganese	5.4	ug/L	4.0	1.2	1	11/04/22 06:17	11/12/22 03:32	7439-96-5	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.98J	ug/L	1.0	0.30	1		10/24/22 10:26	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/24/22 10:26	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/24/22 10:26	79-00-5	
1,1-Dichloroethane	0.42J	ug/L	1.0	0.30	1		10/24/22 10:26	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/24/22 10:26	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/24/22 10:26	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/24/22 10:26	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/24/22 10:26	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/24/22 10:26	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/24/22 10:26	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/24/22 10:26	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/24/22 10:26	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/24/22 10:26	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/24/22 10:26	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/24/22 10:26	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/24/22 10:26	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/24/22 10:26	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/24/22 10:26	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/24/22 10:26	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/24/22 10:26	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/24/22 10:26	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/24/22 10:26	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/24/22 10:26	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/24/22 10:26	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/24/22 10:26	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/24/22 10:26	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/24/22 10:26	108-88-3	
Trichloroethene	0.50J	ug/L	1.0	0.32	1		10/24/22 10:26	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/24/22 10:26	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/24/22 10:26	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/24/22 10:26	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/24/22 10:26	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/24/22 10:26	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/24/22 10:26	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		10/24/22 10:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		10/24/22 10:26	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		10/24/22 10:26	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0PH.4LEMBERGER LF-PLUME

Pace Project No.: 40253296

Sample: RM-404XD **Lab ID: 40253296002** Collected: 10/13/22 18:29 Received: 10/18/22 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	13.6	mg/L	2.0	0.43	1		10/25/22 18:24	16887-00-6	
Sulfate	35.2	mg/L	2.0	0.44	1		10/25/22 18:24	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	308	mg/L	25.0	7.4	1		10/21/22 12:22		
353.2 Nitrogen, NO₂/NO₃ pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	2.6	mg/L	0.25	0.059	1		10/27/22 11:13		
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	1.5	mg/L	0.50	0.14	1		10/31/22 18:50	7440-44-0	

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ANALYTICAL RESULTS

Project: 473040.0PH.4LEMBERGER LF-PLUME

Pace Project No.: 40253296

Sample: RM-204D **Lab ID: 40253296003** Collected: 10/14/22 16:37 Received: 10/18/22 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	11/04/22 06:17	11/12/22 03:40	7439-89-6	
Manganese	1.8J	ug/L	4.0	1.2	1	11/04/22 06:17	11/12/22 03:40	7439-96-5	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	13.2	ug/L	1.0	0.30	1		10/24/22 12:27	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/24/22 12:27	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/24/22 12:27	79-00-5	
1,1-Dichloroethane	7.9	ug/L	1.0	0.30	1		10/24/22 12:27	75-34-3	
1,1-Dichloroethene	1.1	ug/L	1.0	0.58	1		10/24/22 12:27	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/24/22 12:27	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/24/22 12:27	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/24/22 12:27	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/24/22 12:27	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/24/22 12:27	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/24/22 12:27	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/24/22 12:27	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/24/22 12:27	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/24/22 12:27	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/24/22 12:27	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/24/22 12:27	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/24/22 12:27	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/24/22 12:27	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/24/22 12:27	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/24/22 12:27	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/24/22 12:27	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/24/22 12:27	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/24/22 12:27	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/24/22 12:27	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/24/22 12:27	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/24/22 12:27	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/24/22 12:27	108-88-3	
Trichloroethene	1.9	ug/L	1.0	0.32	1		10/24/22 12:27	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/24/22 12:27	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/24/22 12:27	1330-20-7	
cis-1,2-Dichloroethene	2.1	ug/L	1.0	0.47	1		10/24/22 12:27	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/24/22 12:27	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/24/22 12:27	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/24/22 12:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		10/24/22 12:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		10/24/22 12:27	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		10/24/22 12:27	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0PH.4LEMBERGER LF-PLUME

Pace Project No.: 40253296

Sample: RM-204D **Lab ID: 40253296003** Collected: 10/14/22 16:37 Received: 10/18/22 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	15.4	mg/L	2.0	0.43	1		10/25/22 18:39	16887-00-6	
Sulfate	34.5	mg/L	2.0	0.44	1		10/25/22 18:39	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	349	mg/L	50.0	14.9	2		10/21/22 12:23		M0
353.2 Nitrogen, NO₂/NO₃ pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	3.4	mg/L	0.25	0.059	1		10/27/22 11:14		
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	0.93	mg/L	0.50	0.14	1		10/31/22 19:25	7440-44-0	

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ANALYTICAL RESULTS

Project: 473040.0PH.4LEMBERGER LF-PLUME

Pace Project No.: 40253296

Sample: RM-101D **Lab ID: 40253296004** Collected: 10/14/22 18:31 Received: 10/18/22 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	2.0	ug/L	1.0	0.30	1		10/24/22 12:44	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/24/22 12:44	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/24/22 12:44	79-00-5	
1,1-Dichloroethane	2.2	ug/L	1.0	0.30	1		10/24/22 12:44	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/24/22 12:44	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/24/22 12:44	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/24/22 12:44	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/24/22 12:44	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/24/22 12:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/24/22 12:44	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/24/22 12:44	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/24/22 12:44	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/24/22 12:44	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/24/22 12:44	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/24/22 12:44	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/24/22 12:44	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/24/22 12:44	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/24/22 12:44	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/24/22 12:44	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/24/22 12:44	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/24/22 12:44	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/24/22 12:44	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/24/22 12:44	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/24/22 12:44	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/24/22 12:44	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/24/22 12:44	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/24/22 12:44	108-88-3	
Trichloroethene	0.87J	ug/L	1.0	0.32	1		10/24/22 12:44	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/24/22 12:44	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/24/22 12:44	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/24/22 12:44	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/24/22 12:44	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/24/22 12:44	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/24/22 12:44	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		10/24/22 12:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		10/24/22 12:44	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		10/24/22 12:44	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0PH.4LEMBERGER LF-PLUME

Pace Project No.: 40253296

Sample: TB-001 **Lab ID: 40253296005** Collected: 10/14/22 00:00 Received: 10/18/22 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		10/24/22 09:52	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		10/24/22 09:52	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		10/24/22 09:52	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		10/24/22 09:52	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		10/24/22 09:52	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		10/24/22 09:52	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		10/24/22 09:52	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		10/24/22 09:52	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		10/24/22 09:52	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		10/24/22 09:52	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		10/24/22 09:52	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		10/24/22 09:52	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		10/24/22 09:52	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		10/24/22 09:52	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		10/24/22 09:52	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		10/24/22 09:52	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		10/24/22 09:52	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		10/24/22 09:52	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		10/24/22 09:52	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		10/24/22 09:52	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		10/24/22 09:52	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		10/24/22 09:52	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/24/22 09:52	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		10/24/22 09:52	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		10/24/22 09:52	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		10/24/22 09:52	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		10/24/22 09:52	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		10/24/22 09:52	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/24/22 09:52	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		10/24/22 09:52	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		10/24/22 09:52	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		10/24/22 09:52	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		10/24/22 09:52	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		10/24/22 09:52	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		10/24/22 09:52	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		10/24/22 09:52	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		10/24/22 09:52	2037-26-5	

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QUALIFIERS

Project: 473040.OPH.4LEMBERGER LF-PLUME

Pace Project No.: 40253296

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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ANALYTICAL RESULTS

Project: 473040.0000PH 4 LEMBERGER LF

Pace Project No.: 40253891

Sample: RM-008D **Lab ID: 40253891001** Collected: 10/26/22 08:27 Received: 10/28/22 14:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	20.1	ug/L	1.0	0.30	1		11/02/22 12:16	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/02/22 12:16	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/02/22 12:16	79-00-5	
1,1-Dichloroethane	6.2	ug/L	1.0	0.30	1		11/02/22 12:16	75-34-3	
1,1-Dichloroethene	0.92J	ug/L	1.0	0.58	1		11/02/22 12:16	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/02/22 12:16	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/02/22 12:16	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/02/22 12:16	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/02/22 12:16	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/02/22 12:16	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/02/22 12:16	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/02/22 12:16	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/02/22 12:16	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/02/22 12:16	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/02/22 12:16	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/02/22 12:16	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/02/22 12:16	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/02/22 12:16	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/02/22 12:16	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/02/22 12:16	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/02/22 12:16	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/02/22 12:16	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/02/22 12:16	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/02/22 12:16	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/02/22 12:16	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/02/22 12:16	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/02/22 12:16	108-88-3	
Trichloroethene	3.2	ug/L	1.0	0.32	1		11/02/22 12:16	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/02/22 12:16	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/02/22 12:16	1330-20-7	
cis-1,2-Dichloroethene	4.1	ug/L	1.0	0.47	1		11/02/22 12:16	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/02/22 12:16	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/02/22 12:16	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/02/22 12:16	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		11/02/22 12:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		11/02/22 12:16	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		11/02/22 12:16	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH 4 LEMBERGER LF

Pace Project No.: 40253891

Sample: RM-402XD **Lab ID: 40253891002** Collected: 10/26/22 09:54 Received: 10/28/22 14:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	11/22/22 04:58	11/27/22 19:57	7439-89-6	
Manganese	3.1J	ug/L	4.0	1.2	1	11/22/22 04:58	11/27/22 19:57	7439-96-5	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	107	ug/L	1.0	0.30	1		11/02/22 12:37	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/02/22 12:37	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/02/22 12:37	79-00-5	
1,1-Dichloroethane	38.9	ug/L	1.0	0.30	1		11/02/22 12:37	75-34-3	
1,1-Dichloroethene	20.1	ug/L	1.0	0.58	1		11/02/22 12:37	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/02/22 12:37	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/02/22 12:37	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/02/22 12:37	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/02/22 12:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/02/22 12:37	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/02/22 12:37	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/02/22 12:37	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/02/22 12:37	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/02/22 12:37	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/02/22 12:37	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/02/22 12:37	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/02/22 12:37	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/02/22 12:37	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/02/22 12:37	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/02/22 12:37	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/02/22 12:37	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/02/22 12:37	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/02/22 12:37	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/02/22 12:37	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/02/22 12:37	100-42-5	
Tetrachloroethene	0.80J	ug/L	1.0	0.41	1		11/02/22 12:37	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/02/22 12:37	108-88-3	
Trichloroethene	11.7	ug/L	1.0	0.32	1		11/02/22 12:37	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/02/22 12:37	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/02/22 12:37	1330-20-7	
cis-1,2-Dichloroethene	19.1	ug/L	1.0	0.47	1		11/02/22 12:37	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/02/22 12:37	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/02/22 12:37	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/02/22 12:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		11/02/22 12:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		11/02/22 12:37	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		11/02/22 12:37	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH 4 LEMBERGER LF
Pace Project No.: 40253891

Sample: RM-402XD **Lab ID: 40253891002** Collected: 10/26/22 09:54 Received: 10/28/22 14:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	22.2	mg/L	2.0	0.43	1		11/10/22 16:40	16887-00-6	
Sulfate	323	mg/L	20.0	4.4	10		11/10/22 18:54	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	402	mg/L	25.0	7.4	1		11/03/22 14:26		
353.2 Nitrogen, NO₂/NO₃ pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	4.9	mg/L	0.25	0.059	1		11/02/22 12:37		
5310C TOC									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	1.9	mg/L	0.50	0.14	1		11/09/22 10:35	7440-44-0	

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ANALYTICAL RESULTS

Project: 473040.0000PH 4 LEMBERGER LF
Pace Project No.: 40253891

Sample: RM-402XXD **Lab ID: 40253891003** Collected: 10/26/22 11:00 Received: 10/28/22 14:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	20.7	ug/L	1.0	0.30	1		11/02/22 12:58	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/02/22 12:58	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/02/22 12:58	79-00-5	
1,1-Dichloroethane	10.9	ug/L	1.0	0.30	1		11/02/22 12:58	75-34-3	
1,1-Dichloroethene	2.7	ug/L	1.0	0.58	1		11/02/22 12:58	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/02/22 12:58	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/02/22 12:58	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/02/22 12:58	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/02/22 12:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/02/22 12:58	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/02/22 12:58	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/02/22 12:58	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/02/22 12:58	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/02/22 12:58	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/02/22 12:58	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/02/22 12:58	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/02/22 12:58	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/02/22 12:58	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/02/22 12:58	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/02/22 12:58	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/02/22 12:58	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/02/22 12:58	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/02/22 12:58	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/02/22 12:58	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/02/22 12:58	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/02/22 12:58	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/02/22 12:58	108-88-3	
Trichloroethene	5.0	ug/L	1.0	0.32	1		11/02/22 12:58	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/02/22 12:58	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/02/22 12:58	1330-20-7	
cis-1,2-Dichloroethene	6.4	ug/L	1.0	0.47	1		11/02/22 12:58	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/02/22 12:58	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/02/22 12:58	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/02/22 12:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		11/02/22 12:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		11/02/22 12:58	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		11/02/22 12:58	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH 4 LEMBERGER LF

Pace Project No.: 40253891

Sample: RM-203D **Lab ID: 40253891004** Collected: 10/26/22 13:07 Received: 10/28/22 14:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	125J	ug/L	250	58.0	1	11/22/22 04:58	11/28/22 17:51	7439-89-6	
Manganese	3.3J	ug/L	4.0	1.2	1	11/22/22 04:58	11/27/22 19:13	7439-96-5	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.52J	ug/L	1.0	0.30	1		11/02/22 15:05	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/02/22 15:05	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/02/22 15:05	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/02/22 15:05	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/02/22 15:05	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/02/22 15:05	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/02/22 15:05	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/02/22 15:05	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/02/22 15:05	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/02/22 15:05	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/02/22 15:05	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/02/22 15:05	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/02/22 15:05	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/02/22 15:05	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/02/22 15:05	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/02/22 15:05	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/02/22 15:05	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/02/22 15:05	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/02/22 15:05	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/02/22 15:05	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/02/22 15:05	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/02/22 15:05	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/02/22 15:05	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/02/22 15:05	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/02/22 15:05	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/02/22 15:05	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/02/22 15:05	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/02/22 15:05	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/02/22 15:05	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/02/22 15:05	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/02/22 15:05	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/02/22 15:05	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/02/22 15:05	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/02/22 15:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		11/02/22 15:05	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		11/02/22 15:05	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		11/02/22 15:05	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH 4 LEMBERGER LF
Pace Project No.: 40253891

Sample: RM-203D **Lab ID: 40253891004** Collected: 10/26/22 13:07 Received: 10/28/22 14:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	27.4	mg/L	2.0	0.43	1		11/10/22 16:55	16887-00-6	
Sulfate	25.9	mg/L	2.0	0.44	1		11/10/22 16:55	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	358	mg/L	50.0	14.9	2		11/03/22 14:27		M0
353.2 Nitrogen, NO₂/NO₃ pres.									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	7.6	mg/L	0.25	0.059	1		11/02/22 12:39		
5310C TOC									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	1.2	mg/L	0.50	0.14	1		11/09/22 10:49	7440-44-0	

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ANALYTICAL RESULTS

Project: 473040.0000PH 4 LEMBERGER LF

Pace Project No.: 40253891

Sample: RM-102D **Lab ID: 40253891005** Collected: 10/26/22 15:32 Received: 10/28/22 14:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	11/22/22 04:58	11/27/22 20:27	7439-89-6	
Manganese	<1.2	ug/L	4.0	1.2	1	11/22/22 04:58	11/27/22 20:27	7439-96-5	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/02/22 13:39	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/02/22 13:39	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/02/22 13:39	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/02/22 13:39	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/02/22 13:39	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/02/22 13:39	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/02/22 13:39	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/02/22 13:39	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/02/22 13:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/02/22 13:39	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/02/22 13:39	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/02/22 13:39	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/02/22 13:39	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/02/22 13:39	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/02/22 13:39	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/02/22 13:39	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/02/22 13:39	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/02/22 13:39	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/02/22 13:39	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/02/22 13:39	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/02/22 13:39	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/02/22 13:39	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/02/22 13:39	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/02/22 13:39	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/02/22 13:39	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/02/22 13:39	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/02/22 13:39	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/02/22 13:39	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/02/22 13:39	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/02/22 13:39	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/02/22 13:39	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/02/22 13:39	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/02/22 13:39	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/02/22 13:39	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		11/02/22 13:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		11/02/22 13:39	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		11/02/22 13:39	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH 4 LEMBERGER LF

Pace Project No.: 40253891

Sample: RM-102D **Lab ID: 40253891005** Collected: 10/26/22 15:32 Received: 10/28/22 14:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	23.1	mg/L	2.0	0.43	1		11/10/22 17:10	16887-00-6	
Sulfate	11.2	mg/L	2.0	0.44	1		11/10/22 17:10	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	291	mg/L	25.0	7.4	1		11/04/22 09:42		
353.2 Nitrogen, NO₂/NO₃ pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	25.0	mg/L	1.2	0.30	5		11/02/22 13:16		
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	1.8	mg/L	0.50	0.14	1		11/09/22 11:03	7440-44-0	

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ANALYTICAL RESULTS

Project: 473040.0000PH 4 LEMBERGER LF
Pace Project No.: 40253891

Sample: FB-003 **Lab ID: 40253891006** Collected: 10/26/22 16:30 Received: 10/28/22 14:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/02/22 11:14	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/02/22 11:14	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/02/22 11:14	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/02/22 11:14	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/02/22 11:14	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/02/22 11:14	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/02/22 11:14	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/02/22 11:14	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/02/22 11:14	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/02/22 11:14	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/02/22 11:14	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/02/22 11:14	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/02/22 11:14	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/02/22 11:14	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/02/22 11:14	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/02/22 11:14	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/02/22 11:14	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/02/22 11:14	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/02/22 11:14	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/02/22 11:14	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/02/22 11:14	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/02/22 11:14	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/02/22 11:14	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/02/22 11:14	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/02/22 11:14	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/02/22 11:14	127-18-4	
Toluene	0.95J	ug/L	1.0	0.29	1		11/02/22 11:14	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/02/22 11:14	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/02/22 11:14	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/02/22 11:14	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/02/22 11:14	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/02/22 11:14	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/02/22 11:14	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/02/22 11:14	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		11/02/22 11:14	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		11/02/22 11:14	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		11/02/22 11:14	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH 4 LEMBERGER LF

Pace Project No.: 40253891

Sample: TB-001 **Lab ID: 40253891007** Collected: 10/26/22 00:00 Received: 10/28/22 14:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/02/22 11:35	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/02/22 11:35	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/02/22 11:35	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/02/22 11:35	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/02/22 11:35	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/02/22 11:35	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/02/22 11:35	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/02/22 11:35	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/02/22 11:35	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/02/22 11:35	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/02/22 11:35	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/02/22 11:35	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/02/22 11:35	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/02/22 11:35	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/02/22 11:35	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/02/22 11:35	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/02/22 11:35	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/02/22 11:35	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/02/22 11:35	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/02/22 11:35	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/02/22 11:35	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/02/22 11:35	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/02/22 11:35	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/02/22 11:35	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/02/22 11:35	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/02/22 11:35	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/02/22 11:35	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/02/22 11:35	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/02/22 11:35	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/02/22 11:35	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/02/22 11:35	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/02/22 11:35	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/02/22 11:35	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/02/22 11:35	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		11/02/22 11:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		11/02/22 11:35	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		11/02/22 11:35	2037-26-5	

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QUALIFIERS

Project: 473040.0000PH 4 LEMBERGER LF

Pace Project No.: 40253891

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF-SE
Pace Project No.: 40253893

Sample: RM-211D **Lab ID: 40253893001** Collected: 10/24/22 07:58 Received: 10/28/22 14:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.70J	ug/L	1.0	0.30	1		11/04/22 13:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/22 13:09	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/22 13:09	79-00-5	
1,1-Dichloroethane	0.30J	ug/L	1.0	0.30	1		11/04/22 13:09	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/22 13:09	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/22 13:09	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/22 13:09	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/04/22 13:09	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/04/22 13:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/04/22 13:09	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/04/22 13:09	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/22 13:09	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/22 13:09	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/22 13:09	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/22 13:09	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/04/22 13:09	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/22 13:09	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/22 13:09	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/22 13:09	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/22 13:09	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/22 13:09	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/22 13:09	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/22 13:09	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/22 13:09	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/22 13:09	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/22 13:09	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/22 13:09	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/22 13:09	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/22 13:09	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/04/22 13:09	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/22 13:09	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/22 13:09	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/22 13:09	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/22 13:09	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		11/04/22 13:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		11/04/22 13:09	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		11/04/22 13:09	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF-SE
Pace Project No.: 40253893

Sample: RM-208D **Lab ID: 40253893002** Collected: 10/24/22 09:12 Received: 10/28/22 14:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	6.8	ug/L	1.0	0.30	1		11/04/22 14:08	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/22 14:08	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/22 14:08	79-00-5	
1,1-Dichloroethane	4.3	ug/L	1.0	0.30	1		11/04/22 14:08	75-34-3	
1,1-Dichloroethene	1.8	ug/L	1.0	0.58	1		11/04/22 14:08	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/22 14:08	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/22 14:08	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/04/22 14:08	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/04/22 14:08	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/04/22 14:08	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/04/22 14:08	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/22 14:08	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/22 14:08	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/22 14:08	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/22 14:08	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/04/22 14:08	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/22 14:08	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/22 14:08	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/22 14:08	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/22 14:08	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/22 14:08	74-87-3	M1
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/22 14:08	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/22 14:08	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/22 14:08	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/22 14:08	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/22 14:08	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/22 14:08	108-88-3	
Trichloroethene	2.2	ug/L	1.0	0.32	1		11/04/22 14:08	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/22 14:08	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/04/22 14:08	1330-20-7	
cis-1,2-Dichloroethene	4.6	ug/L	1.0	0.47	1		11/04/22 14:08	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/22 14:08	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/22 14:08	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/22 14:08	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		11/04/22 14:08	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		11/04/22 14:08	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		11/04/22 14:08	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF-SE
Pace Project No.: 40253893

Sample: RM-208XD **Lab ID: 40253893003** Collected: 10/24/22 10:14 Received: 10/28/22 14:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/22 13:28	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/22 13:28	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/22 13:28	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/22 13:28	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/22 13:28	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/22 13:28	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/22 13:28	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/04/22 13:28	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/04/22 13:28	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/04/22 13:28	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/04/22 13:28	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/22 13:28	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/22 13:28	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/22 13:28	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/22 13:28	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/04/22 13:28	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/22 13:28	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/22 13:28	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/22 13:28	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/22 13:28	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/22 13:28	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/22 13:28	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/22 13:28	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/22 13:28	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/22 13:28	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/22 13:28	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/22 13:28	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/22 13:28	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/22 13:28	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/04/22 13:28	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/22 13:28	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/22 13:28	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/22 13:28	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/22 13:28	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		11/04/22 13:28	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		11/04/22 13:28	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		11/04/22 13:28	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF-SE

Pace Project No.: 40253893

Sample: RM-202D **Lab ID: 40253893004** Collected: 10/24/22 13:00 Received: 10/28/22 14:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/22 13:48	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/22 13:48	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/22 13:48	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/22 13:48	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/22 13:48	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/22 13:48	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/22 13:48	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/04/22 13:48	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/04/22 13:48	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/04/22 13:48	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/04/22 13:48	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/22 13:48	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/22 13:48	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/22 13:48	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/22 13:48	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/04/22 13:48	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/22 13:48	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/22 13:48	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/22 13:48	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/22 13:48	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/22 13:48	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/22 13:48	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/22 13:48	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/22 13:48	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/22 13:48	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/22 13:48	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/22 13:48	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/22 13:48	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/22 13:48	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/04/22 13:48	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/22 13:48	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/22 13:48	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/22 13:48	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/22 13:48	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		11/04/22 13:48	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		11/04/22 13:48	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		11/04/22 13:48	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF-SE
Pace Project No.: 40253893

Sample: RM-401XD **Lab ID: 40253893005** Collected: 10/24/22 14:38 Received: 10/28/22 14:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	13.5	ug/L	1.0	0.30	1		11/04/22 14:27	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/22 14:27	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/22 14:27	79-00-5	
1,1-Dichloroethane	8.4	ug/L	1.0	0.30	1		11/04/22 14:27	75-34-3	
1,1-Dichloroethene	2.7	ug/L	1.0	0.58	1		11/04/22 14:27	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/22 14:27	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/22 14:27	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/04/22 14:27	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/04/22 14:27	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/04/22 14:27	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/04/22 14:27	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/22 14:27	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/22 14:27	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/22 14:27	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/22 14:27	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/04/22 14:27	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/22 14:27	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/22 14:27	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/22 14:27	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/22 14:27	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/22 14:27	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/22 14:27	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/22 14:27	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/22 14:27	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/22 14:27	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/22 14:27	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/22 14:27	108-88-3	
Trichloroethene	2.5	ug/L	1.0	0.32	1		11/04/22 14:27	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/22 14:27	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/04/22 14:27	1330-20-7	
cis-1,2-Dichloroethene	4.5	ug/L	1.0	0.47	1		11/04/22 14:27	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/22 14:27	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/22 14:27	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/22 14:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		11/04/22 14:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		11/04/22 14:27	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		11/04/22 14:27	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF-SE
Pace Project No.: 40253893

Sample: FDUP-003 **Lab ID: 40253893006** Collected: 10/24/22 00:00 Received: 10/28/22 14:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/22 14:46	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/22 14:46	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/22 14:46	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/22 14:46	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/22 14:46	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/22 14:46	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/22 14:46	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/04/22 14:46	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/04/22 14:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/04/22 14:46	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/04/22 14:46	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/22 14:46	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/22 14:46	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/22 14:46	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/22 14:46	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/04/22 14:46	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/22 14:46	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/22 14:46	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/22 14:46	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/22 14:46	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/22 14:46	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/22 14:46	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/22 14:46	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/22 14:46	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/22 14:46	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/22 14:46	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/22 14:46	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/22 14:46	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/22 14:46	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/04/22 14:46	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/22 14:46	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/22 14:46	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/22 14:46	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/22 14:46	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		11/04/22 14:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		11/04/22 14:46	2199-69-1	
Toluene-d8 (S)	107	%	70-130		1		11/04/22 14:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 473040.0000PH4 LEMBERGER LF-SE

Pace Project No.: 40253893

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL

Pace Project No.: 40253980

Sample: OW-104F **Lab ID: 40253980001** Collected: 10/28/22 09:17 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	187J	ug/L	250	58.0	1	11/22/22 04:58	11/28/22 17:58	7439-89-6	
Manganese	7.4	ug/L	4.0	1.2	1	11/22/22 04:58	11/27/22 20:34	7439-96-5	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	6.3	ug/L	1.0	0.30	1		11/02/22 14:21	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/02/22 14:21	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/02/22 14:21	79-00-5	
1,1-Dichloroethane	3.0	ug/L	1.0	0.30	1		11/02/22 14:21	75-34-3	
1,1-Dichloroethene	1.1	ug/L	1.0	0.58	1		11/02/22 14:21	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/02/22 14:21	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/02/22 14:21	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/02/22 14:21	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/02/22 14:21	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/02/22 14:21	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/02/22 14:21	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/02/22 14:21	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/02/22 14:21	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/02/22 14:21	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/02/22 14:21	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/02/22 14:21	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/02/22 14:21	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/02/22 14:21	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/02/22 14:21	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/02/22 14:21	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/02/22 14:21	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/02/22 14:21	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/02/22 14:21	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/02/22 14:21	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/02/22 14:21	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/02/22 14:21	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/02/22 14:21	108-88-3	
Trichloroethene	2.9	ug/L	1.0	0.32	1		11/02/22 14:21	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/02/22 14:21	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/02/22 14:21	1330-20-7	
cis-1,2-Dichloroethene	2.1	ug/L	1.0	0.47	1		11/02/22 14:21	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/02/22 14:21	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/02/22 14:21	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/02/22 14:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		11/02/22 14:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		11/02/22 14:21	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		11/02/22 14:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL

Pace Project No.: 40253980

Sample: OW-104F **Lab ID: 40253980001** Collected: 10/28/22 09:17 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	8.2	mg/L	2.0	0.43	1		11/10/22 21:30	16887-00-6	M0
Sulfate	21.5	mg/L	2.0	0.44	1		11/10/22 21:30	14808-79-8	M0
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	307	mg/L	25.0	7.4	1		11/04/22 10:37		
353.2 Nitrogen, NO₂/NO₃ pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	1.7	mg/L	0.25	0.059	1		11/02/22 12:57		
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	0.72	mg/L	0.50	0.14	1		11/09/22 16:01	7440-44-0	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL

Pace Project No.: 40253980

Sample: RM-005D **Lab ID: 40253980002** Collected: 10/28/22 10:10 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	15.2	ug/L	1.0	0.30	1		11/02/22 14:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/02/22 14:00	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/02/22 14:00	79-00-5	
1,1-Dichloroethane	10.8	ug/L	1.0	0.30	1		11/02/22 14:00	75-34-3	
1,1-Dichloroethene	2.3	ug/L	1.0	0.58	1		11/02/22 14:00	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/02/22 14:00	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/02/22 14:00	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/02/22 14:00	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/02/22 14:00	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/02/22 14:00	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/02/22 14:00	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/02/22 14:00	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/02/22 14:00	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/02/22 14:00	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/02/22 14:00	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/02/22 14:00	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/02/22 14:00	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/02/22 14:00	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/02/22 14:00	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/02/22 14:00	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/02/22 14:00	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/02/22 14:00	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/02/22 14:00	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/02/22 14:00	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/02/22 14:00	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/02/22 14:00	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/02/22 14:00	108-88-3	
Trichloroethene	3.0	ug/L	1.0	0.32	1		11/02/22 14:00	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/02/22 14:00	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/02/22 14:00	1330-20-7	
cis-1,2-Dichloroethene	6.0	ug/L	1.0	0.47	1		11/02/22 14:00	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/02/22 14:00	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/02/22 14:00	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/02/22 14:00	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		11/02/22 14:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		11/02/22 14:00	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		11/02/22 14:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL

Pace Project No.: 40253980

Sample: RM-303D **Lab ID: 40253980003** Collected: 10/28/22 11:18 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	295	ug/L	2.5	0.76	2.5		11/04/22 13:36	71-55-6	
1,1,2,2-Tetrachloroethane	<0.94	ug/L	2.5	0.94	2.5		11/04/22 13:36	79-34-5	
1,1,2-Trichloroethane	<0.86	ug/L	12.5	0.86	2.5		11/04/22 13:36	79-00-5	
1,1-Dichloroethane	274	ug/L	2.5	0.74	2.5		11/04/22 13:36	75-34-3	
1,1-Dichloroethene	12.7	ug/L	2.5	1.5	2.5		11/04/22 13:36	75-35-4	
1,2-Dichloroethane	<0.73	ug/L	2.5	0.73	2.5		11/04/22 13:36	107-06-2	
1,2-Dichloropropane	<1.1	ug/L	2.5	1.1	2.5		11/04/22 13:36	78-87-5	
2-Butanone (MEK)	<16.3	ug/L	62.5	16.3	2.5		11/04/22 13:36	78-93-3	
2-Hexanone	<15.7	ug/L	62.5	15.7	2.5		11/04/22 13:36	591-78-6	
4-Methyl-2-pentanone (MIBK)	<14.9	ug/L	62.5	14.9	2.5		11/04/22 13:36	108-10-1	
Acetone	<21.6	ug/L	62.5	21.6	2.5		11/04/22 13:36	67-64-1	
Benzene	<0.74	ug/L	2.5	0.74	2.5		11/04/22 13:36	71-43-2	
Bromodichloromethane	<1.0	ug/L	2.5	1.0	2.5		11/04/22 13:36	75-27-4	
Bromoform	<9.5	ug/L	12.5	9.5	2.5		11/04/22 13:36	75-25-2	
Bromomethane	<3.0	ug/L	12.5	3.0	2.5		11/04/22 13:36	74-83-9	
Carbon disulfide	<2.8	ug/L	12.5	2.8	2.5		11/04/22 13:36	75-15-0	
Carbon tetrachloride	<0.92	ug/L	2.5	0.92	2.5		11/04/22 13:36	56-23-5	
Chlorobenzene	<2.1	ug/L	2.5	2.1	2.5		11/04/22 13:36	108-90-7	
Chloroethane	<3.4	ug/L	12.5	3.4	2.5		11/04/22 13:36	75-00-3	
Chloroform	<3.0	ug/L	12.5	3.0	2.5		11/04/22 13:36	67-66-3	
Chloromethane	<4.1	ug/L	12.5	4.1	2.5		11/04/22 13:36	74-87-3	
Dibromochloromethane	<6.6	ug/L	12.5	6.6	2.5		11/04/22 13:36	124-48-1	
Ethylbenzene	<0.81	ug/L	2.5	0.81	2.5		11/04/22 13:36	100-41-4	
Methylene Chloride	<0.80	ug/L	12.5	0.80	2.5		11/04/22 13:36	75-09-2	
Styrene	<0.89	ug/L	2.5	0.89	2.5		11/04/22 13:36	100-42-5	
Tetrachloroethene	2.8	ug/L	2.5	1.0	2.5		11/04/22 13:36	127-18-4	
Toluene	<0.72	ug/L	2.5	0.72	2.5		11/04/22 13:36	108-88-3	
Trichloroethene	86.6	ug/L	2.5	0.80	2.5		11/04/22 13:36	79-01-6	
Vinyl chloride	<0.44	ug/L	2.5	0.44	2.5		11/04/22 13:36	75-01-4	
Xylene (Total)	<2.6	ug/L	7.5	2.6	2.5		11/04/22 13:36	1330-20-7	
cis-1,2-Dichloroethene	98.5	ug/L	2.5	1.2	2.5		11/04/22 13:36	156-59-2	
cis-1,3-Dichloropropene	<0.90	ug/L	2.5	0.90	2.5		11/04/22 13:36	10061-01-5	
trans-1,2-Dichloroethene	1.8J	ug/L	2.5	1.3	2.5		11/04/22 13:36	156-60-5	
trans-1,3-Dichloropropene	<8.7	ug/L	12.5	8.7	2.5		11/04/22 13:36	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		2.5		11/04/22 13:36	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		2.5		11/04/22 13:36	2199-69-1	
Toluene-d8 (S)	102	%	70-130		2.5		11/04/22 13:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL
Pace Project No.: 40253980

Sample: RM-007D **Lab ID: 40253980004** Collected: 10/28/22 13:52 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	318	ug/L	250	58.0	1	11/22/22 04:58	11/28/22 18:06	7439-89-6	
Manganese	27.8	ug/L	4.0	1.2	1	11/22/22 04:58	11/27/22 20:41	7439-96-5	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	267	ug/L	2.5	0.76	2.5		11/04/22 13:56	71-55-6	
1,1,2,2-Tetrachloroethane	<0.94	ug/L	2.5	0.94	2.5		11/04/22 13:56	79-34-5	
1,1,2-Trichloroethane	<0.86	ug/L	12.5	0.86	2.5		11/04/22 13:56	79-00-5	
1,1-Dichloroethane	232	ug/L	2.5	0.74	2.5		11/04/22 13:56	75-34-3	
1,1-Dichloroethene	27.7	ug/L	2.5	1.5	2.5		11/04/22 13:56	75-35-4	
1,2-Dichloroethane	<0.73	ug/L	2.5	0.73	2.5		11/04/22 13:56	107-06-2	
1,2-Dichloropropane	<1.1	ug/L	2.5	1.1	2.5		11/04/22 13:56	78-87-5	
2-Butanone (MEK)	<16.3	ug/L	62.5	16.3	2.5		11/04/22 13:56	78-93-3	
2-Hexanone	<15.7	ug/L	62.5	15.7	2.5		11/04/22 13:56	591-78-6	
4-Methyl-2-pentanone (MIBK)	<14.9	ug/L	62.5	14.9	2.5		11/04/22 13:56	108-10-1	
Acetone	<21.6	ug/L	62.5	21.6	2.5		11/04/22 13:56	67-64-1	
Benzene	<0.74	ug/L	2.5	0.74	2.5		11/04/22 13:56	71-43-2	
Bromodichloromethane	<1.0	ug/L	2.5	1.0	2.5		11/04/22 13:56	75-27-4	
Bromoform	<9.5	ug/L	12.5	9.5	2.5		11/04/22 13:56	75-25-2	
Bromomethane	<3.0	ug/L	12.5	3.0	2.5		11/04/22 13:56	74-83-9	
Carbon disulfide	<2.8	ug/L	12.5	2.8	2.5		11/04/22 13:56	75-15-0	
Carbon tetrachloride	<0.92	ug/L	2.5	0.92	2.5		11/04/22 13:56	56-23-5	
Chlorobenzene	<2.1	ug/L	2.5	2.1	2.5		11/04/22 13:56	108-90-7	
Chloroethane	<3.4	ug/L	12.5	3.4	2.5		11/04/22 13:56	75-00-3	
Chloroform	<3.0	ug/L	12.5	3.0	2.5		11/04/22 13:56	67-66-3	
Chloromethane	<4.1	ug/L	12.5	4.1	2.5		11/04/22 13:56	74-87-3	
Dibromochloromethane	<6.6	ug/L	12.5	6.6	2.5		11/04/22 13:56	124-48-1	
Ethylbenzene	<0.81	ug/L	2.5	0.81	2.5		11/04/22 13:56	100-41-4	
Methylene Chloride	<0.80	ug/L	12.5	0.80	2.5		11/04/22 13:56	75-09-2	
Styrene	<0.89	ug/L	2.5	0.89	2.5		11/04/22 13:56	100-42-5	
Tetrachloroethene	2.9	ug/L	2.5	1.0	2.5		11/04/22 13:56	127-18-4	
Toluene	<0.72	ug/L	2.5	0.72	2.5		11/04/22 13:56	108-88-3	
Trichloroethene	51.7	ug/L	2.5	0.80	2.5		11/04/22 13:56	79-01-6	
Vinyl chloride	<0.44	ug/L	2.5	0.44	2.5		11/04/22 13:56	75-01-4	
Xylene (Total)	<2.6	ug/L	7.5	2.6	2.5		11/04/22 13:56	1330-20-7	
cis-1,2-Dichloroethene	82.5	ug/L	2.5	1.2	2.5		11/04/22 13:56	156-59-2	
cis-1,3-Dichloropropene	<0.90	ug/L	2.5	0.90	2.5		11/04/22 13:56	10061-01-5	
trans-1,2-Dichloroethene	<1.3	ug/L	2.5	1.3	2.5		11/04/22 13:56	156-60-5	
trans-1,3-Dichloropropene	<8.7	ug/L	12.5	8.7	2.5		11/04/22 13:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		2.5		11/04/22 13:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		2.5		11/04/22 13:56	2199-69-1	
Toluene-d8 (S)	102	%	70-130		2.5		11/04/22 13:56	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL

Pace Project No.: 40253980

Sample: RM-007D **Lab ID: 40253980004** Collected: 10/28/22 13:52 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	9.9	mg/L	2.0	0.43	1		11/10/22 22:14	16887-00-6	
Sulfate	217	mg/L	20.0	4.4	10		11/11/22 00:13	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	526	mg/L	50.0	14.9	2		11/04/22 10:38		
353.2 Nitrogen, NO₂/NO₃ pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	2.0	mg/L	0.25	0.059	1		11/02/22 12:57		
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	2.3	mg/L	0.50	0.14	1		11/09/22 16:46	7440-44-0	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL
Pace Project No.: 40253980

Sample: RM-007XXD **Lab ID: 40253980005** Collected: 10/28/22 14:53 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/22 12:33	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/22 12:33	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/22 12:33	79-00-5	
1,1-Dichloroethane	0.32J	ug/L	1.0	0.30	1		11/04/22 12:33	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/22 12:33	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/22 12:33	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/22 12:33	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/04/22 12:33	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/04/22 12:33	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/04/22 12:33	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/04/22 12:33	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/22 12:33	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/22 12:33	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/22 12:33	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/22 12:33	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/04/22 12:33	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/22 12:33	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/22 12:33	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/22 12:33	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/22 12:33	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/22 12:33	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/22 12:33	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/22 12:33	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/22 12:33	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/22 12:33	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/22 12:33	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/22 12:33	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/22 12:33	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/22 12:33	75-01-4	M1
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/04/22 12:33	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/22 12:33	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/22 12:33	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/22 12:33	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/22 12:33	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		11/04/22 12:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		11/04/22 12:33	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		11/04/22 12:33	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL

Pace Project No.: 40253980

Sample: RM-007XD **Lab ID: 40253980006** Collected: 10/28/22 15:46 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	11/22/22 04:58	11/27/22 20:49	7439-89-6	
Manganese	<1.2	ug/L	4.0	1.2	1	11/22/22 04:58	11/27/22 20:49	7439-96-5	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	223	ug/L	1.0	0.30	1		11/04/22 12:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/22 12:54	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/22 12:54	79-00-5	
1,1-Dichloroethane	173	ug/L	1.0	0.30	1		11/04/22 12:54	75-34-3	
1,1-Dichloroethene	29.6	ug/L	1.0	0.58	1		11/04/22 12:54	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/22 12:54	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/22 12:54	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/04/22 12:54	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/04/22 12:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/04/22 12:54	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/04/22 12:54	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/22 12:54	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/22 12:54	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/22 12:54	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/22 12:54	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/04/22 12:54	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/22 12:54	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/22 12:54	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/22 12:54	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/22 12:54	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/22 12:54	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/22 12:54	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/22 12:54	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/22 12:54	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/22 12:54	100-42-5	
Tetrachloroethene	2.3	ug/L	1.0	0.41	1		11/04/22 12:54	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/22 12:54	108-88-3	
Trichloroethene	44.0	ug/L	1.0	0.32	1		11/04/22 12:54	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/22 12:54	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/04/22 12:54	1330-20-7	
cis-1,2-Dichloroethene	74.8	ug/L	1.0	0.47	1		11/04/22 12:54	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/22 12:54	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/22 12:54	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/22 12:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		11/04/22 12:54	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		11/04/22 12:54	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		11/04/22 12:54	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL

Pace Project No.: 40253980

Sample: RM-007XD **Lab ID: 40253980006** Collected: 10/28/22 15:46 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	8.8	mg/L	2.0	0.43	1		11/10/22 22:29	16887-00-6	
Sulfate	128	mg/L	10.0	2.2	5		11/11/22 00:28	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	455	mg/L	25.0	7.4	1		11/04/22 10:39		
353.2 Nitrogen, NO₂/NO₃ pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	1.4	mg/L	0.25	0.059	1		11/02/22 12:58		
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	1.5	mg/L	0.50	0.14	1		11/09/22 17:31	7440-44-0	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL

Pace Project No.: 40253980

Sample: FDUP-002 **Lab ID: 40253980007** Collected: 10/28/22 00:00 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	11/22/22 04:58	11/27/22 21:33	7439-89-6	
Manganese	<1.2	ug/L	4.0	1.2	1	11/22/22 04:58	11/27/22 21:33	7439-96-5	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	206	ug/L	2.5	0.76	2.5		11/04/22 14:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.94	ug/L	2.5	0.94	2.5		11/04/22 14:17	79-34-5	
1,1,2-Trichloroethane	<0.86	ug/L	12.5	0.86	2.5		11/04/22 14:17	79-00-5	
1,1-Dichloroethane	170	ug/L	2.5	0.74	2.5		11/04/22 14:17	75-34-3	
1,1-Dichloroethene	23.3	ug/L	2.5	1.5	2.5		11/04/22 14:17	75-35-4	
1,2-Dichloroethane	<0.73	ug/L	2.5	0.73	2.5		11/04/22 14:17	107-06-2	
1,2-Dichloropropane	<1.1	ug/L	2.5	1.1	2.5		11/04/22 14:17	78-87-5	
2-Butanone (MEK)	<16.3	ug/L	62.5	16.3	2.5		11/04/22 14:17	78-93-3	
2-Hexanone	<15.7	ug/L	62.5	15.7	2.5		11/04/22 14:17	591-78-6	
4-Methyl-2-pentanone (MIBK)	<14.9	ug/L	62.5	14.9	2.5		11/04/22 14:17	108-10-1	
Acetone	<21.6	ug/L	62.5	21.6	2.5		11/04/22 14:17	67-64-1	
Benzene	<0.74	ug/L	2.5	0.74	2.5		11/04/22 14:17	71-43-2	
Bromodichloromethane	<1.0	ug/L	2.5	1.0	2.5		11/04/22 14:17	75-27-4	
Bromoform	<9.5	ug/L	12.5	9.5	2.5		11/04/22 14:17	75-25-2	
Bromomethane	<3.0	ug/L	12.5	3.0	2.5		11/04/22 14:17	74-83-9	
Carbon disulfide	<2.8	ug/L	12.5	2.8	2.5		11/04/22 14:17	75-15-0	
Carbon tetrachloride	<0.92	ug/L	2.5	0.92	2.5		11/04/22 14:17	56-23-5	
Chlorobenzene	<2.1	ug/L	2.5	2.1	2.5		11/04/22 14:17	108-90-7	
Chloroethane	<3.4	ug/L	12.5	3.4	2.5		11/04/22 14:17	75-00-3	
Chloroform	<3.0	ug/L	12.5	3.0	2.5		11/04/22 14:17	67-66-3	
Chloromethane	<4.1	ug/L	12.5	4.1	2.5		11/04/22 14:17	74-87-3	
Dibromochloromethane	<6.6	ug/L	12.5	6.6	2.5		11/04/22 14:17	124-48-1	
Ethylbenzene	<0.81	ug/L	2.5	0.81	2.5		11/04/22 14:17	100-41-4	
Methylene Chloride	<0.80	ug/L	12.5	0.80	2.5		11/04/22 14:17	75-09-2	
Styrene	<0.89	ug/L	2.5	0.89	2.5		11/04/22 14:17	100-42-5	
Tetrachloroethene	1.8J	ug/L	2.5	1.0	2.5		11/04/22 14:17	127-18-4	
Toluene	<0.72	ug/L	2.5	0.72	2.5		11/04/22 14:17	108-88-3	
Trichloroethene	39.3	ug/L	2.5	0.80	2.5		11/04/22 14:17	79-01-6	
Vinyl chloride	<0.44	ug/L	2.5	0.44	2.5		11/04/22 14:17	75-01-4	
Xylene (Total)	<2.6	ug/L	7.5	2.6	2.5		11/04/22 14:17	1330-20-7	
cis-1,2-Dichloroethene	69.5	ug/L	2.5	1.2	2.5		11/04/22 14:17	156-59-2	
cis-1,3-Dichloropropene	<0.90	ug/L	2.5	0.90	2.5		11/04/22 14:17	10061-01-5	
trans-1,2-Dichloroethene	1.4J	ug/L	2.5	1.3	2.5		11/04/22 14:17	156-60-5	
trans-1,3-Dichloropropene	<8.7	ug/L	12.5	8.7	2.5		11/04/22 14:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		2.5		11/04/22 14:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		2.5		11/04/22 14:17	2199-69-1	
Toluene-d8 (S)	101	%	70-130		2.5		11/04/22 14:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL

Pace Project No.: 40253980

Sample: FDUP-002 **Lab ID: 40253980007** Collected: 10/28/22 00:00 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	8.8	mg/L	2.0	0.43	1		11/10/22 22:44	16887-00-6	
Sulfate	130	mg/L	10.0	2.2	5		11/11/22 00:43	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	455	mg/L	25.0	7.4	1		11/04/22 10:40		
353.2 Nitrogen, NO₂/NO₃ pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	1.3	mg/L	0.25	0.059	1		11/02/22 12:59		
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	1.4	mg/L	0.50	0.14	1		11/09/22 17:46	7440-44-0	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL

Pace Project No.: 40253980

Sample: FB-002 **Lab ID: 40253980008** Collected: 10/28/22 16:45 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3010A									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	11/22/22 04:58	11/27/22 21:11	7439-89-6	
Manganese	<1.2	ug/L	4.0	1.2	1	11/22/22 04:58	11/27/22 21:11	7439-96-5	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/22 13:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/22 13:15	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/22 13:15	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/22 13:15	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/22 13:15	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/22 13:15	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/22 13:15	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/04/22 13:15	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/04/22 13:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/04/22 13:15	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/04/22 13:15	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/22 13:15	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/22 13:15	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/22 13:15	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/22 13:15	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/04/22 13:15	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/22 13:15	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/22 13:15	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/22 13:15	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/22 13:15	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/22 13:15	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/22 13:15	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/22 13:15	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/22 13:15	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/22 13:15	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/22 13:15	127-18-4	
Toluene	1.0	ug/L	1.0	0.29	1		11/04/22 13:15	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/22 13:15	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/22 13:15	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/04/22 13:15	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/22 13:15	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/22 13:15	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/22 13:15	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/22 13:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		11/04/22 13:15	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		11/04/22 13:15	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		11/04/22 13:15	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL

Pace Project No.: 40253980

Sample: FB-002 **Lab ID: 40253980008** Collected: 10/28/22 16:45 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	<0.43	mg/L	2.0	0.43	1		11/10/22 22:59	16887-00-6	
Sulfate	<0.44	mg/L	2.0	0.44	1		11/10/22 22:59	14808-79-8	
310.2 Alkalinity									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO ₃	<7.4	mg/L	25.0	7.4	1		11/04/22 10:41		
353.2 Nitrogen, NO₂/NO₃ pres.									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO ₂ plus NO ₃	<0.059	mg/L	0.25	0.059	1		11/02/22 13:01		
5310C TOC									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	0.29J	mg/L	0.50	0.14	1		11/09/22 18:00	7440-44-0	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL
Pace Project No.: 40253980

Sample: TB-001 **Lab ID: 40253980009** Collected: 10/28/22 00:00 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/22 12:13	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/04/22 12:13	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/04/22 12:13	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/04/22 12:13	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/04/22 12:13	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/04/22 12:13	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/04/22 12:13	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/04/22 12:13	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/04/22 12:13	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/04/22 12:13	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/04/22 12:13	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/04/22 12:13	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/04/22 12:13	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/04/22 12:13	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/04/22 12:13	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/04/22 12:13	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/04/22 12:13	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/04/22 12:13	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/04/22 12:13	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/04/22 12:13	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/04/22 12:13	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/04/22 12:13	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/04/22 12:13	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/04/22 12:13	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/04/22 12:13	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/04/22 12:13	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/04/22 12:13	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		11/04/22 12:13	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/22 12:13	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/04/22 12:13	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/04/22 12:13	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/04/22 12:13	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/04/22 12:13	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/04/22 12:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		11/04/22 12:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		11/04/22 12:13	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		11/04/22 12:13	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL

Pace Project No.: 40253980

Sample: RM-214D **Lab ID: 40253980010** Collected: 10/27/22 10:55 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	7.4	ug/L	1.0	0.30	1		11/03/22 12:51	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/03/22 12:51	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/03/22 12:51	79-00-5	
1,1-Dichloroethane	6.1	ug/L	1.0	0.30	1		11/03/22 12:51	75-34-3	L1
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/03/22 12:51	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/03/22 12:51	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/03/22 12:51	78-87-5	L1
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/03/22 12:51	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/03/22 12:51	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/03/22 12:51	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/03/22 12:51	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/03/22 12:51	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/03/22 12:51	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/03/22 12:51	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/03/22 12:51	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/03/22 12:51	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/03/22 12:51	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/03/22 12:51	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/03/22 12:51	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/03/22 12:51	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/03/22 12:51	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/03/22 12:51	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/03/22 12:51	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/03/22 12:51	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/03/22 12:51	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/03/22 12:51	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/03/22 12:51	108-88-3	
Trichloroethene	2.5	ug/L	1.0	0.32	1		11/03/22 12:51	79-01-6	
Vinyl chloride	1.0J	ug/L	1.0	0.17	1		11/03/22 12:51	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/03/22 12:51	1330-20-7	
cis-1,2-Dichloroethene	15.8	ug/L	1.0	0.47	1		11/03/22 12:51	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/03/22 12:51	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/03/22 12:51	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/03/22 12:51	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-130		1		11/03/22 12:51	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		11/03/22 12:51	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		11/03/22 12:51	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL
Pace Project No.: 40253980

Sample: RM-213XD **Lab ID: 40253980011** Collected: 10/27/22 12:27 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	10.8	ug/L	1.0	0.30	1		11/03/22 14:11	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/03/22 14:11	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/03/22 14:11	79-00-5	
1,1-Dichloroethane	4.8	ug/L	1.0	0.30	1		11/03/22 14:11	75-34-3	L1
1,1-Dichloroethene	2.3	ug/L	1.0	0.58	1		11/03/22 14:11	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/03/22 14:11	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/03/22 14:11	78-87-5	L1
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/03/22 14:11	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/03/22 14:11	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/03/22 14:11	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/03/22 14:11	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/03/22 14:11	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/03/22 14:11	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/03/22 14:11	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/03/22 14:11	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/03/22 14:11	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/03/22 14:11	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/03/22 14:11	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/03/22 14:11	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/03/22 14:11	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/03/22 14:11	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/03/22 14:11	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/03/22 14:11	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/03/22 14:11	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/03/22 14:11	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/03/22 14:11	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/03/22 14:11	108-88-3	
Trichloroethene	2.4	ug/L	1.0	0.32	1		11/03/22 14:11	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/03/22 14:11	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/03/22 14:11	1330-20-7	
cis-1,2-Dichloroethene	3.5	ug/L	1.0	0.47	1		11/03/22 14:11	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/03/22 14:11	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/03/22 14:11	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/03/22 14:11	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		11/03/22 14:11	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		11/03/22 14:11	2199-69-1	
Toluene-d8 (S)	108	%	70-130		1		11/03/22 14:11	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL
Pace Project No.: 40253980

Sample: RM-213D **Lab ID: 40253980012** Collected: 10/27/22 14:00 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	2.2	ug/L	1.0	0.30	1		11/03/22 09:44	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/03/22 09:44	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/03/22 09:44	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		11/03/22 09:44	75-34-3	L1
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		11/03/22 09:44	75-35-4	M1
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/03/22 09:44	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/03/22 09:44	78-87-5	L1
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/03/22 09:44	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/03/22 09:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/03/22 09:44	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/03/22 09:44	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/03/22 09:44	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/03/22 09:44	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/03/22 09:44	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/03/22 09:44	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/03/22 09:44	75-15-0	M1
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/03/22 09:44	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/03/22 09:44	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/03/22 09:44	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/03/22 09:44	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/03/22 09:44	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/03/22 09:44	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/03/22 09:44	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/03/22 09:44	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/03/22 09:44	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/03/22 09:44	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/03/22 09:44	108-88-3	
Trichloroethene	0.54J	ug/L	1.0	0.32	1		11/03/22 09:44	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/03/22 09:44	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/03/22 09:44	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		11/03/22 09:44	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/03/22 09:44	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/03/22 09:44	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/03/22 09:44	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	111	%	70-130		1		11/03/22 09:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		11/03/22 09:44	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		11/03/22 09:44	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL
Pace Project No.: 40253980

Sample: RM-306D Lab ID: 40253980013 Collected: 10/27/22 16:09 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	50.9	ug/L	1.0	0.30	1		11/03/22 14:31	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/03/22 14:31	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/03/22 14:31	79-00-5	
1,1-Dichloroethane	7.2	ug/L	1.0	0.30	1		11/03/22 14:31	75-34-3	L1
1,1-Dichloroethene	3.0	ug/L	1.0	0.58	1		11/03/22 14:31	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/03/22 14:31	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/03/22 14:31	78-87-5	L1
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/03/22 14:31	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/03/22 14:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/03/22 14:31	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/03/22 14:31	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/03/22 14:31	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/03/22 14:31	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/03/22 14:31	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/03/22 14:31	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/03/22 14:31	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/03/22 14:31	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/03/22 14:31	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/03/22 14:31	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/03/22 14:31	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/03/22 14:31	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/03/22 14:31	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/03/22 14:31	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/03/22 14:31	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/03/22 14:31	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		11/03/22 14:31	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/03/22 14:31	108-88-3	
Trichloroethene	4.5	ug/L	1.0	0.32	1		11/03/22 14:31	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/03/22 14:31	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/03/22 14:31	1330-20-7	
cis-1,2-Dichloroethene	0.62J	ug/L	1.0	0.47	1		11/03/22 14:31	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/03/22 14:31	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/03/22 14:31	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/03/22 14:31	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		11/03/22 14:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		11/03/22 14:31	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		11/03/22 14:31	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH4 LEMBERGER LF PL
Pace Project No.: 40253980

Sample: RM-307D **Lab ID: 40253980014** Collected: 10/27/22 18:28 Received: 10/31/22 17:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	72.1	ug/L	1.0	0.30	1		11/03/22 14:50	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/03/22 14:50	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		11/03/22 14:50	79-00-5	
1,1-Dichloroethane	26.8	ug/L	1.0	0.30	1		11/03/22 14:50	75-34-3	L1
1,1-Dichloroethene	3.5	ug/L	1.0	0.58	1		11/03/22 14:50	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		11/03/22 14:50	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		11/03/22 14:50	78-87-5	L1
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		11/03/22 14:50	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		11/03/22 14:50	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		11/03/22 14:50	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		11/03/22 14:50	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		11/03/22 14:50	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		11/03/22 14:50	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		11/03/22 14:50	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		11/03/22 14:50	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		11/03/22 14:50	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/03/22 14:50	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		11/03/22 14:50	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		11/03/22 14:50	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		11/03/22 14:50	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		11/03/22 14:50	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		11/03/22 14:50	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		11/03/22 14:50	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		11/03/22 14:50	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		11/03/22 14:50	100-42-5	
Tetrachloroethene	0.74J	ug/L	1.0	0.41	1		11/03/22 14:50	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		11/03/22 14:50	108-88-3	
Trichloroethene	9.9	ug/L	1.0	0.32	1		11/03/22 14:50	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/03/22 14:50	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		11/03/22 14:50	1330-20-7	
cis-1,2-Dichloroethene	2.9	ug/L	1.0	0.47	1		11/03/22 14:50	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		11/03/22 14:50	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		11/03/22 14:50	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		11/03/22 14:50	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-130		1		11/03/22 14:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		11/03/22 14:50	2199-69-1	
Toluene-d8 (S)	106	%	70-130		1		11/03/22 14:50	2037-26-5	

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QUALIFIERS

Project: 473040.0000PH4 LEMBERGER LF PL
Pace Project No.: 40253980

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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ANALYTICAL RESULTS

Project: 473040.0000PH5 LEMBERGER LF SE

Pace Project No.: 40255894

Sample: RM-403XD **Lab ID: 40255894001** Collected: 12/03/22 11:56 Received: 12/13/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	84.0	ug/L	1.0	0.30	1		12/14/22 13:37	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		12/14/22 13:37	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		12/14/22 13:37	79-00-5	
1,1-Dichloroethane	59.5	ug/L	1.0	0.30	1		12/14/22 13:37	75-34-3	
1,1-Dichloroethene	9.7	ug/L	1.0	0.58	1		12/14/22 13:37	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		12/14/22 13:37	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		12/14/22 13:37	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		12/14/22 13:37	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		12/14/22 13:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		12/14/22 13:37	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		12/14/22 13:37	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		12/14/22 13:37	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		12/14/22 13:37	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		12/14/22 13:37	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		12/14/22 13:37	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		12/14/22 13:37	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		12/14/22 13:37	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		12/14/22 13:37	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		12/14/22 13:37	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		12/14/22 13:37	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		12/14/22 13:37	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		12/14/22 13:37	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		12/14/22 13:37	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		12/14/22 13:37	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		12/14/22 13:37	100-42-5	
Tetrachloroethene	1.3	ug/L	1.0	0.41	1		12/14/22 13:37	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		12/14/22 13:37	108-88-3	
Trichloroethene	14.4	ug/L	1.0	0.32	1		12/14/22 13:37	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/14/22 13:37	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		12/14/22 13:37	1330-20-7	
cis-1,2-Dichloroethene	15.8	ug/L	1.0	0.47	1		12/14/22 13:37	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		12/14/22 13:37	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		12/14/22 13:37	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		12/14/22 13:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		12/14/22 13:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		12/14/22 13:37	2199-69-1	
Toluene-d8 (S)	113	%	70-130		1		12/14/22 13:37	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH5 LEMBERGER LF SE

Pace Project No.: 40255894

Sample: RM-003XXD **Lab ID: 40255894002** Collected: 12/03/22 13:23 Received: 12/13/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	6.9	ug/L	1.0	0.30	1		12/14/22 11:40	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		12/14/22 11:40	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		12/14/22 11:40	79-00-5	
1,1-Dichloroethane	4.2	ug/L	1.0	0.30	1		12/14/22 11:40	75-34-3	
1,1-Dichloroethene	0.83J	ug/L	1.0	0.58	1		12/14/22 11:40	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		12/14/22 11:40	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		12/14/22 11:40	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		12/14/22 11:40	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		12/14/22 11:40	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		12/14/22 11:40	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		12/14/22 11:40	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		12/14/22 11:40	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		12/14/22 11:40	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		12/14/22 11:40	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		12/14/22 11:40	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		12/14/22 11:40	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		12/14/22 11:40	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		12/14/22 11:40	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		12/14/22 11:40	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		12/14/22 11:40	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		12/14/22 11:40	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		12/14/22 11:40	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		12/14/22 11:40	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		12/14/22 11:40	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		12/14/22 11:40	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/14/22 11:40	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		12/14/22 11:40	108-88-3	
Trichloroethene	1.8	ug/L	1.0	0.32	1		12/14/22 11:40	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/14/22 11:40	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		12/14/22 11:40	1330-20-7	
cis-1,2-Dichloroethene	1.5	ug/L	1.0	0.47	1		12/14/22 11:40	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		12/14/22 11:40	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		12/14/22 11:40	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		12/14/22 11:40	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		12/14/22 11:40	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		12/14/22 11:40	2199-69-1	
Toluene-d8 (S)	111	%	70-130		1		12/14/22 11:40	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH5 LEMBERGER LF SE

Pace Project No.: 40255894

Sample: RM-003D **Lab ID: 40255894003** Collected: 12/03/22 14:30 Received: 12/13/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	12.8	ug/L	1.0	0.30	1		12/14/22 11:59	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		12/14/22 11:59	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		12/14/22 11:59	79-00-5	
1,1-Dichloroethane	7.9	ug/L	1.0	0.30	1		12/14/22 11:59	75-34-3	
1,1-Dichloroethene	1.4	ug/L	1.0	0.58	1		12/14/22 11:59	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		12/14/22 11:59	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		12/14/22 11:59	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		12/14/22 11:59	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		12/14/22 11:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		12/14/22 11:59	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		12/14/22 11:59	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		12/14/22 11:59	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		12/14/22 11:59	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		12/14/22 11:59	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		12/14/22 11:59	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		12/14/22 11:59	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		12/14/22 11:59	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		12/14/22 11:59	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		12/14/22 11:59	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		12/14/22 11:59	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		12/14/22 11:59	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		12/14/22 11:59	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		12/14/22 11:59	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		12/14/22 11:59	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		12/14/22 11:59	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/14/22 11:59	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		12/14/22 11:59	108-88-3	
Trichloroethene	2.2	ug/L	1.0	0.32	1		12/14/22 11:59	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/14/22 11:59	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		12/14/22 11:59	1330-20-7	
cis-1,2-Dichloroethene	2.4	ug/L	1.0	0.47	1		12/14/22 11:59	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		12/14/22 11:59	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		12/14/22 11:59	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		12/14/22 11:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		12/14/22 11:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		12/14/22 11:59	2199-69-1	
Toluene-d8 (S)	111	%	70-130		1		12/14/22 11:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH5 LEMBERGER LF SE

Pace Project No.: 40255894

Sample: FDUP-001 **Lab ID: 40255894004** Collected: 12/03/22 00:00 Received: 12/13/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	13.3	ug/L	1.0	0.30	1		12/14/22 12:19	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		12/14/22 12:19	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		12/14/22 12:19	79-00-5	
1,1-Dichloroethane	7.8	ug/L	1.0	0.30	1		12/14/22 12:19	75-34-3	
1,1-Dichloroethene	1.5	ug/L	1.0	0.58	1		12/14/22 12:19	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		12/14/22 12:19	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		12/14/22 12:19	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		12/14/22 12:19	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		12/14/22 12:19	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		12/14/22 12:19	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		12/14/22 12:19	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		12/14/22 12:19	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		12/14/22 12:19	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		12/14/22 12:19	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		12/14/22 12:19	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		12/14/22 12:19	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		12/14/22 12:19	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		12/14/22 12:19	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		12/14/22 12:19	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		12/14/22 12:19	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		12/14/22 12:19	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		12/14/22 12:19	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		12/14/22 12:19	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		12/14/22 12:19	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		12/14/22 12:19	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/14/22 12:19	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		12/14/22 12:19	108-88-3	
Trichloroethene	2.3	ug/L	1.0	0.32	1		12/14/22 12:19	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/14/22 12:19	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		12/14/22 12:19	1330-20-7	
cis-1,2-Dichloroethene	2.6	ug/L	1.0	0.47	1		12/14/22 12:19	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		12/14/22 12:19	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		12/14/22 12:19	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		12/14/22 12:19	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		12/14/22 12:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		12/14/22 12:19	2199-69-1	
Toluene-d8 (S)	113	%	70-130		1		12/14/22 12:19	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH5 LEMBERGER LF SE
Pace Project No.: 40255894

Sample: RM-401XXD **Lab ID: 40255894005** Collected: 12/04/22 10:14 Received: 12/13/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	2.6	ug/L	1.0	0.30	1		12/14/22 12:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		12/14/22 12:38	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		12/14/22 12:38	79-00-5	
1,1-Dichloroethane	2.5	ug/L	1.0	0.30	1		12/14/22 12:38	75-34-3	
1,1-Dichloroethene	1.6	ug/L	1.0	0.58	1		12/14/22 12:38	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		12/14/22 12:38	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		12/14/22 12:38	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		12/14/22 12:38	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		12/14/22 12:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		12/14/22 12:38	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		12/14/22 12:38	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		12/14/22 12:38	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		12/14/22 12:38	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		12/14/22 12:38	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		12/14/22 12:38	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		12/14/22 12:38	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		12/14/22 12:38	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		12/14/22 12:38	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		12/14/22 12:38	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		12/14/22 12:38	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		12/14/22 12:38	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		12/14/22 12:38	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		12/14/22 12:38	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		12/14/22 12:38	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		12/14/22 12:38	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/14/22 12:38	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		12/14/22 12:38	108-88-3	
Trichloroethene	0.59J	ug/L	1.0	0.32	1		12/14/22 12:38	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/14/22 12:38	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		12/14/22 12:38	1330-20-7	
cis-1,2-Dichloroethene	3.5	ug/L	1.0	0.47	1		12/14/22 12:38	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		12/14/22 12:38	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		12/14/22 12:38	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		12/14/22 12:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		12/14/22 12:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		12/14/22 12:38	2199-69-1	
Toluene-d8 (S)	111	%	70-130		1		12/14/22 12:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH5 LEMBERGER LF SE

Pace Project No.: 40255894

Sample: RM-002D **Lab ID: 40255894006** Collected: 12/04/22 12:45 Received: 12/13/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	5.1	ug/L	1.0	0.30	1		12/14/22 12:58	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		12/14/22 12:58	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		12/14/22 12:58	79-00-5	
1,1-Dichloroethane	3.6	ug/L	1.0	0.30	1		12/14/22 12:58	75-34-3	
1,1-Dichloroethene	0.74J	ug/L	1.0	0.58	1		12/14/22 12:58	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		12/14/22 12:58	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		12/14/22 12:58	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		12/14/22 12:58	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		12/14/22 12:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		12/14/22 12:58	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		12/14/22 12:58	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		12/14/22 12:58	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		12/14/22 12:58	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		12/14/22 12:58	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		12/14/22 12:58	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		12/14/22 12:58	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		12/14/22 12:58	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		12/14/22 12:58	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		12/14/22 12:58	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		12/14/22 12:58	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		12/14/22 12:58	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		12/14/22 12:58	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		12/14/22 12:58	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		12/14/22 12:58	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		12/14/22 12:58	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/14/22 12:58	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		12/14/22 12:58	108-88-3	
Trichloroethene	1.5	ug/L	1.0	0.32	1		12/14/22 12:58	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/14/22 12:58	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		12/14/22 12:58	1330-20-7	
cis-1,2-Dichloroethene	1.1	ug/L	1.0	0.47	1		12/14/22 12:58	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		12/14/22 12:58	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		12/14/22 12:58	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		12/14/22 12:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	112	%	70-130		1		12/14/22 12:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		12/14/22 12:58	2199-69-1	
Toluene-d8 (S)	112	%	70-130		1		12/14/22 12:58	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH5 LEMBERGER LF SE

Pace Project No.: 40255894

Sample: RM-210D **Lab ID: 40255894007** Collected: 12/04/22 15:27 Received: 12/13/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	6.0	ug/L	1.0	0.30	1		12/14/22 13:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		12/14/22 13:17	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		12/14/22 13:17	79-00-5	
1,1-Dichloroethane	3.2	ug/L	1.0	0.30	1		12/14/22 13:17	75-34-3	
1,1-Dichloroethene	0.61J	ug/L	1.0	0.58	1		12/14/22 13:17	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		12/14/22 13:17	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		12/14/22 13:17	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		12/14/22 13:17	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		12/14/22 13:17	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		12/14/22 13:17	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		12/14/22 13:17	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		12/14/22 13:17	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		12/14/22 13:17	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		12/14/22 13:17	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		12/14/22 13:17	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		12/14/22 13:17	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		12/14/22 13:17	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		12/14/22 13:17	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		12/14/22 13:17	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		12/14/22 13:17	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		12/14/22 13:17	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		12/14/22 13:17	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		12/14/22 13:17	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		12/14/22 13:17	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		12/14/22 13:17	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/14/22 13:17	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		12/14/22 13:17	108-88-3	
Trichloroethene	1.2	ug/L	1.0	0.32	1		12/14/22 13:17	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/14/22 13:17	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		12/14/22 13:17	1330-20-7	
cis-1,2-Dichloroethene	1.7	ug/L	1.0	0.47	1		12/14/22 13:17	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		12/14/22 13:17	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		12/14/22 13:17	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		12/14/22 13:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		12/14/22 13:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		12/14/22 13:17	2199-69-1	
Toluene-d8 (S)	112	%	70-130		1		12/14/22 13:17	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH5 LEMBERGER LF SE

Pace Project No.: 40255894

Sample: FB-001 **Lab ID: 40255894008** Collected: 12/04/22 17:00 Received: 12/13/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/14/22 11:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		12/14/22 11:00	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		12/14/22 11:00	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/14/22 11:00	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/14/22 11:00	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		12/14/22 11:00	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		12/14/22 11:00	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		12/14/22 11:00	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		12/14/22 11:00	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		12/14/22 11:00	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		12/14/22 11:00	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		12/14/22 11:00	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		12/14/22 11:00	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		12/14/22 11:00	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		12/14/22 11:00	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		12/14/22 11:00	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		12/14/22 11:00	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		12/14/22 11:00	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		12/14/22 11:00	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		12/14/22 11:00	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		12/14/22 11:00	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		12/14/22 11:00	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		12/14/22 11:00	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		12/14/22 11:00	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		12/14/22 11:00	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/14/22 11:00	127-18-4	
Toluene	1.0	ug/L	1.0	0.29	1		12/14/22 11:00	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		12/14/22 11:00	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/14/22 11:00	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		12/14/22 11:00	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		12/14/22 11:00	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		12/14/22 11:00	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		12/14/22 11:00	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		12/14/22 11:00	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		12/14/22 11:00	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		12/14/22 11:00	2199-69-1	
Toluene-d8 (S)	110	%	70-130		1		12/14/22 11:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 473040.0000PH5 LEMBERGER LF SE

Pace Project No.: 40255894

Sample: TB-001 **Lab ID: 40255894009** Collected: 12/04/22 00:00 Received: 12/13/22 07:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		12/14/22 11:20	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		12/14/22 11:20	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		12/14/22 11:20	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		12/14/22 11:20	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		12/14/22 11:20	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		12/14/22 11:20	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		12/14/22 11:20	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		12/14/22 11:20	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		12/14/22 11:20	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		12/14/22 11:20	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		12/14/22 11:20	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		12/14/22 11:20	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		12/14/22 11:20	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		12/14/22 11:20	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		12/14/22 11:20	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		12/14/22 11:20	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		12/14/22 11:20	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		12/14/22 11:20	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		12/14/22 11:20	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		12/14/22 11:20	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		12/14/22 11:20	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		12/14/22 11:20	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		12/14/22 11:20	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		12/14/22 11:20	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		12/14/22 11:20	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		12/14/22 11:20	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		12/14/22 11:20	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		12/14/22 11:20	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/14/22 11:20	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		12/14/22 11:20	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		12/14/22 11:20	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		12/14/22 11:20	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		12/14/22 11:20	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		12/14/22 11:20	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		12/14/22 11:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		12/14/22 11:20	2199-69-1	
Toluene-d8 (S)	113	%	70-130		1		12/14/22 11:20	2037-26-5	

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QUALIFIERS

Project: 473040.0000PH5 LEMBERGER LF SE
Pace Project No.: 40255894

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-SE

Pace Project No.: 40260905

Sample: RM-403XD **Lab ID: 40260905001** Collected: 04/07/23 10:08 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	58.2	ug/L	1.0	0.30	1		04/20/23 18:21	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 18:21	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 18:21	79-00-5	
1,1-Dichloroethane	36.6	ug/L	1.0	0.30	1		04/20/23 18:21	75-34-3	
1,1-Dichloroethene	6.3	ug/L	1.0	0.58	1		04/20/23 18:21	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 18:21	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 18:21	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 18:21	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 18:21	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 18:21	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 18:21	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 18:21	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 18:21	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 18:21	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 18:21	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 18:21	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 18:21	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 18:21	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 18:21	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 18:21	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 18:21	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 18:21	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 18:21	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 18:21	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 18:21	100-42-5	
Tetrachloroethene	0.56J	ug/L	1.0	0.41	1		04/20/23 18:21	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 18:21	108-88-3	
Trichloroethene	7.5	ug/L	1.0	0.32	1		04/20/23 18:21	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 18:21	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 18:21	1330-20-7	
cis-1,2-Dichloroethene	5.9	ug/L	1.0	0.47	1		04/20/23 18:21	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 18:21	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 18:21	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 18:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		04/20/23 18:21	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		04/20/23 18:21	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/20/23 18:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-SE

Pace Project No.: 40260905

Sample: RM-003XXD **Lab ID: 40260905002** Collected: 04/07/23 12:42 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	7.1	ug/L	1.0	0.30	1		04/20/23 15:06	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 15:06	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 15:06	79-00-5	
1,1-Dichloroethane	5.5	ug/L	1.0	0.30	1		04/20/23 15:06	75-34-3	
1,1-Dichloroethene	0.81J	ug/L	1.0	0.58	1		04/20/23 15:06	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 15:06	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 15:06	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 15:06	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 15:06	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 15:06	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 15:06	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 15:06	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 15:06	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 15:06	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 15:06	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 15:06	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 15:06	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 15:06	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 15:06	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 15:06	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 15:06	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 15:06	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 15:06	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 15:06	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 15:06	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/23 15:06	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 15:06	108-88-3	
Trichloroethene	2.2	ug/L	1.0	0.32	1		04/20/23 15:06	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 15:06	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 15:06	1330-20-7	
cis-1,2-Dichloroethene	1.7	ug/L	1.0	0.47	1		04/20/23 15:06	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 15:06	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 15:06	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 15:06	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/20/23 15:06	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/20/23 15:06	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/20/23 15:06	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-SE
Pace Project No.: 40260905

Sample: RM-003D **Lab ID: 40260905003** Collected: 04/07/23 13:30 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	11.4	ug/L	1.0	0.30	1		04/20/23 15:25	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 15:25	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 15:25	79-00-5	
1,1-Dichloroethane	6.6	ug/L	1.0	0.30	1		04/20/23 15:25	75-34-3	
1,1-Dichloroethene	1.1	ug/L	1.0	0.58	1		04/20/23 15:25	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 15:25	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 15:25	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 15:25	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 15:25	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 15:25	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 15:25	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 15:25	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 15:25	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 15:25	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 15:25	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 15:25	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 15:25	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 15:25	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 15:25	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 15:25	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 15:25	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 15:25	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 15:25	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 15:25	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 15:25	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/23 15:25	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 15:25	108-88-3	
Trichloroethene	1.9	ug/L	1.0	0.32	1		04/20/23 15:25	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 15:25	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 15:25	1330-20-7	
cis-1,2-Dichloroethene	1.8	ug/L	1.0	0.47	1		04/20/23 15:25	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 15:25	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 15:25	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 15:25	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/20/23 15:25	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/20/23 15:25	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/20/23 15:25	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-SE

Pace Project No.: 40260905

Sample: FDUP-001 **Lab ID: 40260905004** Collected: 04/07/23 00:00 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	11.4	ug/L	1.0	0.30	1		04/20/23 18:40	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 18:40	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 18:40	79-00-5	
1,1-Dichloroethane	6.6	ug/L	1.0	0.30	1		04/20/23 18:40	75-34-3	
1,1-Dichloroethene	1.2	ug/L	1.0	0.58	1		04/20/23 18:40	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 18:40	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 18:40	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 18:40	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 18:40	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 18:40	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 18:40	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 18:40	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 18:40	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 18:40	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 18:40	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 18:40	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 18:40	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 18:40	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 18:40	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 18:40	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 18:40	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 18:40	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 18:40	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 18:40	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 18:40	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/23 18:40	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 18:40	108-88-3	
Trichloroethene	2.1	ug/L	1.0	0.32	1		04/20/23 18:40	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 18:40	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 18:40	1330-20-7	
cis-1,2-Dichloroethene	1.9	ug/L	1.0	0.47	1		04/20/23 18:40	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 18:40	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 18:40	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 18:40	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/20/23 18:40	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		04/20/23 18:40	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/20/23 18:40	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-SE

Pace Project No.: 40260905

Sample: RM-002D **Lab ID: 40260905005** Collected: 04/08/23 15:45 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	5.1	ug/L	1.0	0.30	1		04/20/23 16:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 16:24	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 16:24	79-00-5	
1,1-Dichloroethane	3.6	ug/L	1.0	0.30	1		04/20/23 16:24	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/20/23 16:24	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 16:24	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 16:24	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 16:24	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 16:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 16:24	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 16:24	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 16:24	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 16:24	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 16:24	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 16:24	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 16:24	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 16:24	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 16:24	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 16:24	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 16:24	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 16:24	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 16:24	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 16:24	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 16:24	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 16:24	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/23 16:24	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 16:24	108-88-3	
Trichloroethene	1.4	ug/L	1.0	0.32	1		04/20/23 16:24	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 16:24	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 16:24	1330-20-7	
cis-1,2-Dichloroethene	0.89J	ug/L	1.0	0.47	1		04/20/23 16:24	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 16:24	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 16:24	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 16:24	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/20/23 16:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/20/23 16:24	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		04/20/23 16:24	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-SE
Pace Project No.: 40260905

Sample: RM-210D **Lab ID: 40260905006** Collected: 04/08/23 18:31 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	6.2	ug/L	1.0	0.30	1		04/20/23 16:43	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 16:43	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 16:43	79-00-5	
1,1-Dichloroethane	3.7	ug/L	1.0	0.30	1		04/20/23 16:43	75-34-3	
1,1-Dichloroethene	0.90J	ug/L	1.0	0.58	1		04/20/23 16:43	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 16:43	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 16:43	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 16:43	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 16:43	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 16:43	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 16:43	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 16:43	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 16:43	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 16:43	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 16:43	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 16:43	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 16:43	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 16:43	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 16:43	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 16:43	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 16:43	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 16:43	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 16:43	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 16:43	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 16:43	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/23 16:43	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 16:43	108-88-3	
Trichloroethene	1.4	ug/L	1.0	0.32	1		04/20/23 16:43	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 16:43	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 16:43	1330-20-7	
cis-1,2-Dichloroethene	1.6	ug/L	1.0	0.47	1		04/20/23 16:43	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 16:43	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 16:43	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 16:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/20/23 16:43	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/20/23 16:43	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/20/23 16:43	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-SE
Pace Project No.: 40260905

Sample: RM-401XXD **Lab ID: 40260905007** Collected: 04/09/23 14:36 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	3.6	ug/L	1.0	0.30	1		04/20/23 18:59	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 18:59	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 18:59	79-00-5	
1,1-Dichloroethane	3.1	ug/L	1.0	0.30	1		04/20/23 18:59	75-34-3	
1,1-Dichloroethene	1.8	ug/L	1.0	0.58	1		04/20/23 18:59	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 18:59	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 18:59	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 18:59	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 18:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 18:59	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 18:59	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 18:59	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 18:59	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 18:59	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 18:59	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 18:59	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 18:59	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 18:59	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 18:59	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 18:59	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 18:59	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 18:59	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 18:59	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 18:59	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 18:59	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/23 18:59	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 18:59	108-88-3	
Trichloroethene	0.81J	ug/L	1.0	0.32	1		04/20/23 18:59	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 18:59	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 18:59	1330-20-7	
cis-1,2-Dichloroethene	4.2	ug/L	1.0	0.47	1		04/20/23 18:59	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 18:59	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 18:59	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 18:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/20/23 18:59	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		04/20/23 18:59	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/20/23 18:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-SE

Pace Project No.: 40260905

Sample: FB-001 **Lab ID: 40260905008** Collected: 04/09/23 18:30 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/20/23 14:46	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 14:46	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 14:46	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/20/23 14:46	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/20/23 14:46	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 14:46	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 14:46	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 14:46	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 14:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 14:46	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 14:46	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 14:46	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 14:46	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 14:46	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 14:46	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 14:46	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 14:46	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 14:46	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 14:46	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 14:46	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 14:46	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 14:46	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 14:46	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 14:46	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 14:46	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/23 14:46	127-18-4	
Toluene	0.40J	ug/L	1.0	0.29	1		04/20/23 14:46	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/20/23 14:46	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 14:46	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 14:46	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/20/23 14:46	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 14:46	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 14:46	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 14:46	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		04/20/23 14:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		04/20/23 14:46	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/20/23 14:46	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-SE

Pace Project No.: 40260905

Sample: TB-001 **Lab ID: 40260905009** Collected: 04/09/23 00:00 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/20/23 14:07	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 14:07	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 14:07	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/20/23 14:07	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/20/23 14:07	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 14:07	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 14:07	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 14:07	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 14:07	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 14:07	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 14:07	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 14:07	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 14:07	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 14:07	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 14:07	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 14:07	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 14:07	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 14:07	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 14:07	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 14:07	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 14:07	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 14:07	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 14:07	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 14:07	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 14:07	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/23 14:07	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 14:07	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/20/23 14:07	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 14:07	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 14:07	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/20/23 14:07	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 14:07	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 14:07	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 14:07	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		04/20/23 14:07	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		04/20/23 14:07	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/20/23 14:07	2037-26-5	

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QUALIFIERS

Project: 525156.0000PH2 LEMBERGER LF-SE

Pace Project No.: 40260905

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-PL

Pace Project No.: 40260906

Sample: RM-307D **Lab ID: 40260906001** Collected: 04/09/23 11:35 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	61.6	ug/L	1.0	0.30	1		04/20/23 20:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 20:24	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 20:24	79-00-5	
1,1-Dichloroethane	16.1	ug/L	1.0	0.30	1		04/20/23 20:24	75-34-3	
1,1-Dichloroethene	3.3	ug/L	1.0	0.58	1		04/20/23 20:24	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 20:24	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 20:24	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 20:24	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 20:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 20:24	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 20:24	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 20:24	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 20:24	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 20:24	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 20:24	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 20:24	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 20:24	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 20:24	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 20:24	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 20:24	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 20:24	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 20:24	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 20:24	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 20:24	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 20:24	100-42-5	
Tetrachloroethene	0.73J	ug/L	1.0	0.41	1		04/20/23 20:24	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 20:24	108-88-3	
Trichloroethene	7.5	ug/L	1.0	0.32	1		04/20/23 20:24	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 20:24	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 20:24	1330-20-7	
cis-1,2-Dichloroethene	3.1	ug/L	1.0	0.47	1		04/20/23 20:24	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 20:24	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 20:24	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 20:24	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/20/23 20:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	98	%	70-130		1		04/20/23 20:24	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		04/20/23 20:24	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-PL

Pace Project No.: 40260906

Sample: RM-007XD **Lab ID: 40260906002** Collected: 04/09/23 12:49 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	200	ug/L	1.0	0.30	1		04/20/23 19:18	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 19:18	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 19:18	79-00-5	
1,1-Dichloroethane	169	ug/L	1.0	0.30	1		04/20/23 19:18	75-34-3	
1,1-Dichloroethene	36.8	ug/L	1.0	0.58	1		04/20/23 19:18	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 19:18	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 19:18	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 19:18	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 19:18	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 19:18	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 19:18	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 19:18	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 19:18	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 19:18	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 19:18	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 19:18	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 19:18	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 19:18	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 19:18	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 19:18	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 19:18	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 19:18	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 19:18	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 19:18	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 19:18	100-42-5	
Tetrachloroethene	1.9	ug/L	1.0	0.41	1		04/20/23 19:18	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 19:18	108-88-3	
Trichloroethene	43.4	ug/L	1.0	0.32	1		04/20/23 19:18	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 19:18	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 19:18	1330-20-7	
cis-1,2-Dichloroethene	84.9	ug/L	1.0	0.47	1		04/20/23 19:18	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 19:18	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 19:18	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 19:18	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/20/23 19:18	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/20/23 19:18	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/20/23 19:18	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-PL
Pace Project No.: 40260906

Sample: RM-401XD **Lab ID: 40260906003** Collected: 04/09/23 15:34 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	11.4	ug/L	1.0	0.30	1		04/20/23 19:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 19:38	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 19:38	79-00-5	
1,1-Dichloroethane	7.9	ug/L	1.0	0.30	1		04/20/23 19:38	75-34-3	
1,1-Dichloroethene	2.3	ug/L	1.0	0.58	1		04/20/23 19:38	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 19:38	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 19:38	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 19:38	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 19:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 19:38	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 19:38	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 19:38	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 19:38	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 19:38	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 19:38	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 19:38	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 19:38	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 19:38	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 19:38	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 19:38	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 19:38	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 19:38	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 19:38	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 19:38	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 19:38	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/23 19:38	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 19:38	108-88-3	
Trichloroethene	2.2	ug/L	1.0	0.32	1		04/20/23 19:38	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 19:38	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 19:38	1330-20-7	
cis-1,2-Dichloroethene	4.3	ug/L	1.0	0.47	1		04/20/23 19:38	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 19:38	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 19:38	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 19:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/20/23 19:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		04/20/23 19:38	2199-69-1	
Toluene-d8 (S)	105	%	70-130		1		04/20/23 19:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-PL

Pace Project No.: 40260906

Sample: RM-005D **Lab ID: 40260906004** Collected: 04/09/23 16:35 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	11.3	ug/L	1.0	0.30	1		04/20/23 20:04	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 20:04	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 20:04	79-00-5	
1,1-Dichloroethane	9.7	ug/L	1.0	0.30	1		04/20/23 20:04	75-34-3	
1,1-Dichloroethene	2.4	ug/L	1.0	0.58	1		04/20/23 20:04	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 20:04	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 20:04	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 20:04	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 20:04	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 20:04	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 20:04	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 20:04	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 20:04	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 20:04	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 20:04	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 20:04	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 20:04	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 20:04	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 20:04	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 20:04	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 20:04	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 20:04	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 20:04	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 20:04	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 20:04	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/23 20:04	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 20:04	108-88-3	
Trichloroethene	2.5	ug/L	1.0	0.32	1		04/20/23 20:04	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 20:04	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 20:04	1330-20-7	
cis-1,2-Dichloroethene	5.5	ug/L	1.0	0.47	1		04/20/23 20:04	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 20:04	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 20:04	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 20:04	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/20/23 20:04	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/20/23 20:04	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		04/20/23 20:04	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-PL
Pace Project No.: 40260906

Sample: RM-208D **Lab ID: 40260906005** Collected: 04/09/23 17:33 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	5.4	ug/L	1.0	0.30	1		04/20/23 19:57	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 19:57	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 19:57	79-00-5	
1,1-Dichloroethane	3.6	ug/L	1.0	0.30	1		04/20/23 19:57	75-34-3	
1,1-Dichloroethene	1.5	ug/L	1.0	0.58	1		04/20/23 19:57	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 19:57	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 19:57	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 19:57	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 19:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 19:57	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 19:57	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 19:57	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 19:57	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 19:57	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 19:57	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 19:57	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 19:57	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 19:57	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 19:57	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 19:57	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 19:57	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 19:57	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 19:57	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 19:57	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 19:57	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/23 19:57	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 19:57	108-88-3	
Trichloroethene	1.6	ug/L	1.0	0.32	1		04/20/23 19:57	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 19:57	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 19:57	1330-20-7	
cis-1,2-Dichloroethene	3.4	ug/L	1.0	0.47	1		04/20/23 19:57	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 19:57	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 19:57	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 19:57	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-130		1		04/20/23 19:57	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/20/23 19:57	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/20/23 19:57	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-PL
Pace Project No.: 40260906

Sample: FDUP-002 **Lab ID: 40260906006** Collected: 04/09/23 00:00 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	5.3	ug/L	1.0	0.30	1		04/20/23 20:16	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 20:16	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 20:16	79-00-5	
1,1-Dichloroethane	3.5	ug/L	1.0	0.30	1		04/20/23 20:16	75-34-3	
1,1-Dichloroethene	1.3	ug/L	1.0	0.58	1		04/20/23 20:16	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 20:16	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 20:16	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 20:16	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 20:16	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 20:16	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 20:16	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 20:16	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 20:16	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 20:16	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 20:16	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 20:16	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 20:16	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 20:16	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 20:16	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 20:16	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 20:16	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 20:16	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 20:16	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 20:16	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 20:16	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/23 20:16	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 20:16	108-88-3	
Trichloroethene	1.6	ug/L	1.0	0.32	1		04/20/23 20:16	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 20:16	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 20:16	1330-20-7	
cis-1,2-Dichloroethene	3.4	ug/L	1.0	0.47	1		04/20/23 20:16	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 20:16	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 20:16	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 20:16	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/20/23 20:16	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		04/20/23 20:16	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/20/23 20:16	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-PL

Pace Project No.: 40260906

Sample: FB-002 **Lab ID: 40260906007** Collected: 04/09/23 18:35 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/23 07:58	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/21/23 07:58	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/21/23 07:58	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/21/23 07:58	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/21/23 07:58	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/21/23 07:58	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/21/23 07:58	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/21/23 07:58	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/21/23 07:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/21/23 07:58	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/21/23 07:58	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/21/23 07:58	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/21/23 07:58	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/21/23 07:58	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/21/23 07:58	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/21/23 07:58	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/21/23 07:58	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/21/23 07:58	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/21/23 07:58	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/21/23 07:58	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/21/23 07:58	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/21/23 07:58	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/21/23 07:58	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/21/23 07:58	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/21/23 07:58	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/21/23 07:58	127-18-4	
Toluene	0.63J	ug/L	1.0	0.29	1		04/21/23 07:58	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/21/23 07:58	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/21/23 07:58	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/21/23 07:58	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/21/23 07:58	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/21/23 07:58	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/21/23 07:58	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/21/23 07:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/21/23 07:58	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		04/21/23 07:58	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/21/23 07:58	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-PL

Pace Project No.: 40260906

Sample: TB-002 **Lab ID: 40260906008** Collected: 04/09/23 00:00 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		04/20/23 14:27	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 14:27	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 14:27	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		04/20/23 14:27	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/20/23 14:27	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 14:27	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 14:27	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 14:27	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 14:27	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 14:27	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 14:27	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 14:27	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 14:27	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 14:27	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 14:27	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 14:27	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 14:27	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 14:27	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 14:27	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 14:27	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 14:27	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 14:27	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 14:27	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 14:27	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 14:27	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/23 14:27	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 14:27	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/20/23 14:27	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 14:27	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 14:27	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/20/23 14:27	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 14:27	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 14:27	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 14:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/20/23 14:27	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/20/23 14:27	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		04/20/23 14:27	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-PL

Pace Project No.: 40260906

Sample: RM-211D Lab ID: 40260906009 Collected: 04/07/23 11:27 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.68J	ug/L	1.0	0.30	1		04/20/23 17:03	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 17:03	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 17:03	79-00-5	
1,1-Dichloroethane	0.41J	ug/L	1.0	0.30	1		04/20/23 17:03	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		04/20/23 17:03	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 17:03	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 17:03	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 17:03	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 17:03	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 17:03	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 17:03	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 17:03	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 17:03	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 17:03	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 17:03	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 17:03	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 17:03	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 17:03	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 17:03	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 17:03	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 17:03	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 17:03	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 17:03	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 17:03	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 17:03	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/23 17:03	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 17:03	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		04/20/23 17:03	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 17:03	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 17:03	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		04/20/23 17:03	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 17:03	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 17:03	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 17:03	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/20/23 17:03	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/20/23 17:03	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/20/23 17:03	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-PL

Pace Project No.: 40260906

Sample: RM-008D **Lab ID: 40260906010** Collected: 04/08/23 08:29 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	46.2	ug/L	1.0	0.30	1		04/20/23 17:22	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 17:22	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 17:22	79-00-5	
1,1-Dichloroethane	26.6	ug/L	1.0	0.30	1		04/20/23 17:22	75-34-3	
1,1-Dichloroethene	2.1	ug/L	1.0	0.58	1		04/20/23 17:22	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 17:22	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 17:22	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 17:22	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 17:22	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 17:22	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 17:22	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 17:22	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 17:22	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 17:22	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 17:22	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 17:22	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 17:22	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 17:22	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 17:22	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 17:22	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 17:22	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 17:22	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 17:22	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 17:22	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 17:22	100-42-5	
Tetrachloroethene	0.48J	ug/L	1.0	0.41	1		04/20/23 17:22	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 17:22	108-88-3	
Trichloroethene	15.1	ug/L	1.0	0.32	1		04/20/23 17:22	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 17:22	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 17:22	1330-20-7	
cis-1,2-Dichloroethene	14.0	ug/L	1.0	0.47	1		04/20/23 17:22	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 17:22	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 17:22	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 17:22	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/20/23 17:22	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		04/20/23 17:22	2199-69-1	
Toluene-d8 (S)	103	%	70-130		1		04/20/23 17:22	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-PL
Pace Project No.: 40260906

Sample: RM-402XXD **Lab ID: 40260906011** Collected: 04/08/23 09:43 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	47.2	ug/L	1.0	0.30	1		04/20/23 17:42	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 17:42	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 17:42	79-00-5	
1,1-Dichloroethane	31.9	ug/L	1.0	0.30	1		04/20/23 17:42	75-34-3	
1,1-Dichloroethene	5.3	ug/L	1.0	0.58	1		04/20/23 17:42	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 17:42	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 17:42	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 17:42	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 17:42	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 17:42	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 17:42	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 17:42	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 17:42	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 17:42	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 17:42	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 17:42	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 17:42	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 17:42	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 17:42	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 17:42	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 17:42	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 17:42	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 17:42	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 17:42	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 17:42	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/23 17:42	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 17:42	108-88-3	
Trichloroethene	12.4	ug/L	1.0	0.32	1		04/20/23 17:42	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 17:42	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 17:42	1330-20-7	
cis-1,2-Dichloroethene	17.7	ug/L	1.0	0.47	1		04/20/23 17:42	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 17:42	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 17:42	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 17:42	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/20/23 17:42	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/20/23 17:42	2199-69-1	
Toluene-d8 (S)	104	%	70-130		1		04/20/23 17:42	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-PL

Pace Project No.: 40260906

Sample: RM-402XD **Lab ID: 40260906012** Collected: 04/08/23 10:44 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	77.4	ug/L	1.0	0.30	1		04/20/23 18:01	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/20/23 18:01	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/20/23 18:01	79-00-5	
1,1-Dichloroethane	30.5	ug/L	1.0	0.30	1		04/20/23 18:01	75-34-3	
1,1-Dichloroethene	15.8	ug/L	1.0	0.58	1		04/20/23 18:01	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/20/23 18:01	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/20/23 18:01	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/20/23 18:01	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/20/23 18:01	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/20/23 18:01	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/20/23 18:01	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/20/23 18:01	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/20/23 18:01	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/20/23 18:01	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/20/23 18:01	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/20/23 18:01	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/20/23 18:01	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/20/23 18:01	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/20/23 18:01	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/20/23 18:01	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/20/23 18:01	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/20/23 18:01	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/20/23 18:01	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/20/23 18:01	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/20/23 18:01	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/20/23 18:01	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/20/23 18:01	108-88-3	
Trichloroethene	10	ug/L	1.0	0.32	1		04/20/23 18:01	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/20/23 18:01	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/20/23 18:01	1330-20-7	
cis-1,2-Dichloroethene	14.2	ug/L	1.0	0.47	1		04/20/23 18:01	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/20/23 18:01	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/20/23 18:01	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/20/23 18:01	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	111	%	70-130		1		04/20/23 18:01	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		04/20/23 18:01	2199-69-1	
Toluene-d8 (S)	102	%	70-130		1		04/20/23 18:01	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH2 LEMBERGER LF-PL
Pace Project No.: 40260906

Sample: RM-204D **Lab ID: 40260906013** Collected: 04/08/23 13:37 Received: 04/18/23 13:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	11.6	ug/L	1.0	0.30	1		04/21/23 08:18	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		04/21/23 08:18	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		04/21/23 08:18	79-00-5	
1,1-Dichloroethane	6.9	ug/L	1.0	0.30	1		04/21/23 08:18	75-34-3	
1,1-Dichloroethene	0.93J	ug/L	1.0	0.58	1		04/21/23 08:18	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		04/21/23 08:18	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		04/21/23 08:18	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		04/21/23 08:18	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		04/21/23 08:18	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		04/21/23 08:18	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		04/21/23 08:18	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		04/21/23 08:18	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		04/21/23 08:18	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		04/21/23 08:18	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		04/21/23 08:18	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		04/21/23 08:18	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		04/21/23 08:18	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		04/21/23 08:18	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		04/21/23 08:18	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		04/21/23 08:18	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		04/21/23 08:18	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		04/21/23 08:18	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		04/21/23 08:18	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		04/21/23 08:18	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		04/21/23 08:18	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		04/21/23 08:18	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		04/21/23 08:18	108-88-3	
Trichloroethene	1.9	ug/L	1.0	0.32	1		04/21/23 08:18	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/21/23 08:18	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		04/21/23 08:18	1330-20-7	
cis-1,2-Dichloroethene	1.8	ug/L	1.0	0.47	1		04/21/23 08:18	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		04/21/23 08:18	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		04/21/23 08:18	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		04/21/23 08:18	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/21/23 08:18	460-00-4	HS
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		04/21/23 08:18	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		04/21/23 08:18	2037-26-5	

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QUALIFIERS

Project: 525156.0000PH2 LEMBERGER LF-PL

Pace Project No.: 40260906

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264606

Sample: RM-206S Lab ID: 40264606001 Collected: 06/28/23 16:19 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/23 21:57	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/23 21:57	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/07/23 21:57	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/23 21:57	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/23 21:57	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/23 21:57	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/23 21:57	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/23 21:57	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/23 21:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/23 21:57	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/23 21:57	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/23 21:57	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/23 21:57	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/07/23 21:57	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/23 21:57	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/07/23 21:57	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/23 21:57	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/23 21:57	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/23 21:57	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/07/23 21:57	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/23 21:57	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/23 21:57	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/23 21:57	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/23 21:57	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/23 21:57	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/23 21:57	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/23 21:57	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/07/23 21:57	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/23 21:57	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/23 21:57	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/07/23 21:57	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/07/23 21:57	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/23 21:57	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/07/23 21:57	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/07/23 21:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		07/07/23 21:57	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		07/07/23 21:57	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264606

Sample: RM-005S Lab ID: 40264606002 Collected: 06/28/23 17:55 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/23 22:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/23 22:17	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/07/23 22:17	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/23 22:17	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/23 22:17	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/23 22:17	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/23 22:17	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/23 22:17	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/23 22:17	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/23 22:17	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/23 22:17	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/23 22:17	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/23 22:17	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/07/23 22:17	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/23 22:17	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/07/23 22:17	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/23 22:17	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/23 22:17	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/23 22:17	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/07/23 22:17	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/23 22:17	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/23 22:17	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/23 22:17	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/23 22:17	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/23 22:17	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/23 22:17	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/23 22:17	108-88-3	
Trichloroethene	0.36J	ug/L	1.0	0.32	1		07/07/23 22:17	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/23 22:17	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/23 22:17	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/07/23 22:17	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/07/23 22:17	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/23 22:17	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/07/23 22:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		07/07/23 22:17	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		07/07/23 22:17	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/07/23 22:17	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264606

Sample: LH-01 Lab ID: 40264606003 Collected: 06/28/23 20:03 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/08/23 00:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/08/23 00:54	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/08/23 00:54	79-00-5	
1,1-Dichloroethane	1.1	ug/L	1.0	0.30	1		07/08/23 00:54	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/08/23 00:54	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/08/23 00:54	107-06-2	
1,2-Dichloropropane	0.63J	ug/L	1.0	0.45	1		07/08/23 00:54	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/08/23 00:54	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/08/23 00:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/08/23 00:54	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/08/23 00:54	67-64-1	
Benzene	4.9	ug/L	1.0	0.30	1		07/08/23 00:54	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/08/23 00:54	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/08/23 00:54	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/08/23 00:54	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/08/23 00:54	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/08/23 00:54	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/08/23 00:54	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/08/23 00:54	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/08/23 00:54	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/08/23 00:54	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/08/23 00:54	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/08/23 00:54	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/08/23 00:54	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/08/23 00:54	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/08/23 00:54	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/08/23 00:54	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/08/23 00:54	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/08/23 00:54	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/08/23 00:54	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/08/23 00:54	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/08/23 00:54	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/08/23 00:54	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/08/23 00:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		07/08/23 00:54	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		07/08/23 00:54	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		07/08/23 00:54	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264606

Sample: FDUP-002 Lab ID: 40264606004 Collected: 06/28/23 00:00 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/23 23:55	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/23 23:55	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/07/23 23:55	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/23 23:55	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/23 23:55	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/23 23:55	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/23 23:55	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/23 23:55	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/23 23:55	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/23 23:55	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/23 23:55	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/23 23:55	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/23 23:55	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/07/23 23:55	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/23 23:55	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/07/23 23:55	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/23 23:55	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/23 23:55	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/23 23:55	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/07/23 23:55	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/23 23:55	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/23 23:55	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/23 23:55	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/23 23:55	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/23 23:55	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/23 23:55	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/23 23:55	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/07/23 23:55	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/23 23:55	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/23 23:55	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/07/23 23:55	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/07/23 23:55	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/23 23:55	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/07/23 23:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		07/07/23 23:55	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		07/07/23 23:55	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		07/07/23 23:55	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264606

Sample: RM-207S Lab ID: 40264606005 Collected: 06/29/23 15:46 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/10/23 20:26	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/10/23 20:26	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/10/23 20:26	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/10/23 20:26	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/10/23 20:26	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/10/23 20:26	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/10/23 20:26	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/10/23 20:26	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/10/23 20:26	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/10/23 20:26	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/10/23 20:26	67-64-1	
Benzene	0.41J	ug/L	1.0	0.30	1		07/10/23 20:26	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/10/23 20:26	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/10/23 20:26	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/10/23 20:26	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/10/23 20:26	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/10/23 20:26	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/10/23 20:26	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/10/23 20:26	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/10/23 20:26	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/10/23 20:26	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/10/23 20:26	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/10/23 20:26	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/10/23 20:26	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/10/23 20:26	100-42-5	L1,M0
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/10/23 20:26	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/10/23 20:26	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/10/23 20:26	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/10/23 20:26	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/10/23 20:26	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/10/23 20:26	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/10/23 20:26	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/10/23 20:26	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/10/23 20:26	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/10/23 20:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		07/10/23 20:26	2199-69-1	
Toluene-d8 (S)	91	%	70-130		1		07/10/23 20:26	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264606

Sample: LW-07 Lab ID: 40264606006 Collected: 06/29/23 18:22 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/10/23 20:46	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/10/23 20:46	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/10/23 20:46	79-00-5	
1,1-Dichloroethane	0.39J	ug/L	1.0	0.30	1		07/10/23 20:46	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/10/23 20:46	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/10/23 20:46	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/10/23 20:46	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/10/23 20:46	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/10/23 20:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/10/23 20:46	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/10/23 20:46	67-64-1	
Benzene	10.5	ug/L	1.0	0.30	1		07/10/23 20:46	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/10/23 20:46	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/10/23 20:46	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/10/23 20:46	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/10/23 20:46	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/10/23 20:46	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/10/23 20:46	108-90-7	
Chloroethane	1.7J	ug/L	5.0	1.4	1		07/10/23 20:46	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/10/23 20:46	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/10/23 20:46	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/10/23 20:46	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/10/23 20:46	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/10/23 20:46	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/10/23 20:46	100-42-5	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/10/23 20:46	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/10/23 20:46	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/10/23 20:46	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/10/23 20:46	75-01-4	
Xylene (Total)	2.4J	ug/L	3.0	1.0	1		07/10/23 20:46	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/10/23 20:46	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/10/23 20:46	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/10/23 20:46	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/10/23 20:46	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		07/10/23 20:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		07/10/23 20:46	2199-69-1	
Toluene-d8 (S)	89	%	70-130		1		07/10/23 20:46	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264606

Sample: LH-03 Lab ID: 40264606007 Collected: 06/29/23 20:45 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/13/23 09:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/13/23 09:38	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/13/23 09:38	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/13/23 09:38	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/13/23 09:38	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/13/23 09:38	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/13/23 09:38	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/13/23 09:38	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/13/23 09:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/13/23 09:38	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/13/23 09:38	67-64-1	
Benzene	2.0	ug/L	1.0	0.30	1		07/13/23 09:38	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/13/23 09:38	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/13/23 09:38	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/13/23 09:38	74-83-9	
Carbon disulfide	3.0	ug/L	1.0	0.65	1		07/13/23 09:38	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/13/23 09:38	56-23-5	
Chlorobenzene	2.0	ug/L	1.0	0.86	1		07/13/23 09:38	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/13/23 09:38	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/13/23 09:38	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/13/23 09:38	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/13/23 09:38	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/13/23 09:38	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/13/23 09:38	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/13/23 09:38	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/13/23 09:38	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/13/23 09:38	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/13/23 09:38	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/13/23 09:38	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/13/23 09:38	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/13/23 09:38	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/13/23 09:38	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/13/23 09:38	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/13/23 09:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		07/13/23 09:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		07/13/23 09:38	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		07/13/23 09:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264606

Sample: FB-002 Lab ID: 40264606008 Collected: 06/29/23 21:30 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/10/23 19:44	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/10/23 19:44	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/10/23 19:44	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/10/23 19:44	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/10/23 19:44	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/10/23 19:44	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/10/23 19:44	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/10/23 19:44	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/10/23 19:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/10/23 19:44	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/10/23 19:44	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/10/23 19:44	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/10/23 19:44	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/10/23 19:44	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/10/23 19:44	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/10/23 19:44	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/10/23 19:44	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/10/23 19:44	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/10/23 19:44	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/10/23 19:44	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/10/23 19:44	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/10/23 19:44	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/10/23 19:44	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/10/23 19:44	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/10/23 19:44	100-42-5	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/10/23 19:44	127-18-4	
Toluene	0.61J	ug/L	1.0	0.29	1		07/10/23 19:44	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/10/23 19:44	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/10/23 19:44	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/10/23 19:44	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/10/23 19:44	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/10/23 19:44	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/10/23 19:44	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/10/23 19:44	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/10/23 19:44	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		07/10/23 19:44	2199-69-1	
Toluene-d8 (S)	89	%	70-130		1		07/10/23 19:44	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264606

Sample: TB-001 Lab ID: 40264606009 Collected: 06/29/23 00:00 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/10/23 20:05	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/10/23 20:05	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/10/23 20:05	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/10/23 20:05	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/10/23 20:05	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/10/23 20:05	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/10/23 20:05	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/10/23 20:05	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/10/23 20:05	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/10/23 20:05	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/10/23 20:05	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/10/23 20:05	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/10/23 20:05	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/10/23 20:05	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/10/23 20:05	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/10/23 20:05	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/10/23 20:05	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/10/23 20:05	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/10/23 20:05	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/10/23 20:05	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/10/23 20:05	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/10/23 20:05	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/10/23 20:05	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/10/23 20:05	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/10/23 20:05	100-42-5	L1
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/10/23 20:05	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/10/23 20:05	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/10/23 20:05	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/10/23 20:05	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/10/23 20:05	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/10/23 20:05	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/10/23 20:05	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/10/23 20:05	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/10/23 20:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/10/23 20:05	460-00-4	
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		07/10/23 20:05	2199-69-1	
Toluene-d8 (S)	88	%	70-130		1		07/10/23 20:05	2037-26-5	

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QUALIFIERS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264606

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264607

Sample: RM-401XXD Lab ID: 40264607001 Collected: 06/25/23 07:17 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	3.4	ug/L	1.0	0.30	1		07/08/23 01:13	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/08/23 01:13	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/08/23 01:13	79-00-5	
1,1-Dichloroethane	2.4	ug/L	1.0	0.30	1		07/08/23 01:13	75-34-3	
1,1-Dichloroethene	1.3	ug/L	1.0	0.58	1		07/08/23 01:13	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/08/23 01:13	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/08/23 01:13	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/08/23 01:13	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/08/23 01:13	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/08/23 01:13	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/08/23 01:13	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/08/23 01:13	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/08/23 01:13	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/08/23 01:13	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/08/23 01:13	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/08/23 01:13	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/08/23 01:13	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/08/23 01:13	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/08/23 01:13	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/08/23 01:13	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/08/23 01:13	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/08/23 01:13	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/08/23 01:13	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/08/23 01:13	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/08/23 01:13	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/08/23 01:13	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/08/23 01:13	108-88-3	
Trichloroethene	0.79J	ug/L	1.0	0.32	1		07/08/23 01:13	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/08/23 01:13	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/08/23 01:13	1330-20-7	
cis-1,2-Dichloroethene	3.5	ug/L	1.0	0.47	1		07/08/23 01:13	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/08/23 01:13	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/08/23 01:13	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/08/23 01:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/08/23 01:13	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		07/08/23 01:13	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		07/08/23 01:13	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264607

Sample: RM-403XD Lab ID: 40264607002 Collected: 06/25/23 09:00 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	79.9	ug/L	1.0	0.30	1		07/07/23 20:59	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/23 20:59	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/07/23 20:59	79-00-5	
1,1-Dichloroethane	46.2	ug/L	1.0	0.30	1		07/07/23 20:59	75-34-3	
1,1-Dichloroethene	5.2	ug/L	1.0	0.58	1		07/07/23 20:59	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/23 20:59	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/23 20:59	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/23 20:59	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/23 20:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/23 20:59	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/23 20:59	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/23 20:59	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/23 20:59	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/07/23 20:59	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/23 20:59	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/07/23 20:59	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/23 20:59	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/23 20:59	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/23 20:59	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/07/23 20:59	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/23 20:59	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/23 20:59	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/23 20:59	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/23 20:59	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/23 20:59	100-42-5	
Tetrachloroethene	0.86J	ug/L	1.0	0.41	1		07/07/23 20:59	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/23 20:59	108-88-3	
Trichloroethene	13.8	ug/L	1.0	0.32	1		07/07/23 20:59	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/23 20:59	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/23 20:59	1330-20-7	
cis-1,2-Dichloroethene	14.0	ug/L	1.0	0.47	1		07/07/23 20:59	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/07/23 20:59	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/23 20:59	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/07/23 20:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/07/23 20:59	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/07/23 20:59	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		07/07/23 20:59	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264607

Sample: RM-003D Lab ID: 40264607003 Collected: 06/25/23 09:58 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	15.2	ug/L	1.0	0.30	1		07/07/23 22:37	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/23 22:37	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/07/23 22:37	79-00-5	
1,1-Dichloroethane	9.7	ug/L	1.0	0.30	1		07/07/23 22:37	75-34-3	
1,1-Dichloroethene	1.8	ug/L	1.0	0.58	1		07/07/23 22:37	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/23 22:37	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/23 22:37	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/23 22:37	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/23 22:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/23 22:37	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/23 22:37	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/23 22:37	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/23 22:37	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/07/23 22:37	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/23 22:37	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/07/23 22:37	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/23 22:37	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/23 22:37	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/23 22:37	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/07/23 22:37	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/23 22:37	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/23 22:37	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/23 22:37	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/23 22:37	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/23 22:37	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/23 22:37	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/23 22:37	108-88-3	
Trichloroethene	2.5	ug/L	1.0	0.32	1		07/07/23 22:37	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/23 22:37	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/23 22:37	1330-20-7	
cis-1,2-Dichloroethene	3.7	ug/L	1.0	0.47	1		07/07/23 22:37	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/07/23 22:37	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/23 22:37	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/07/23 22:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		07/07/23 22:37	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/07/23 22:37	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		07/07/23 22:37	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264607

Sample: RM-003XXD Lab ID: 40264607004 Collected: 06/25/23 10:51 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	6.4	ug/L	1.0	0.30	1		07/08/23 01:33	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/08/23 01:33	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/08/23 01:33	79-00-5	
1,1-Dichloroethane	3.9	ug/L	1.0	0.30	1		07/08/23 01:33	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/08/23 01:33	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/08/23 01:33	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/08/23 01:33	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/08/23 01:33	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/08/23 01:33	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/08/23 01:33	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/08/23 01:33	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/08/23 01:33	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/08/23 01:33	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/08/23 01:33	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/08/23 01:33	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/08/23 01:33	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/08/23 01:33	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/08/23 01:33	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/08/23 01:33	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/08/23 01:33	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/08/23 01:33	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/08/23 01:33	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/08/23 01:33	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/08/23 01:33	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/08/23 01:33	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/08/23 01:33	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/08/23 01:33	108-88-3	
Trichloroethene	1.8	ug/L	1.0	0.32	1		07/08/23 01:33	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/08/23 01:33	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/08/23 01:33	1330-20-7	
cis-1,2-Dichloroethene	1.3	ug/L	1.0	0.47	1		07/08/23 01:33	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/08/23 01:33	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/08/23 01:33	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/08/23 01:33	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/08/23 01:33	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/08/23 01:33	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		07/08/23 01:33	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264607

Sample: RM-210D Lab ID: 40264607005 Collected: 06/25/23 13:42 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	5.4	ug/L	1.0	0.30	1		07/07/23 22:56	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/23 22:56	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/07/23 22:56	79-00-5	
1,1-Dichloroethane	3.0	ug/L	1.0	0.30	1		07/07/23 22:56	75-34-3	
1,1-Dichloroethene	0.59J	ug/L	1.0	0.58	1		07/07/23 22:56	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/23 22:56	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/23 22:56	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/23 22:56	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/23 22:56	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/23 22:56	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/23 22:56	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/23 22:56	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/23 22:56	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/07/23 22:56	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/23 22:56	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/07/23 22:56	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/23 22:56	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/23 22:56	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/23 22:56	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/07/23 22:56	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/23 22:56	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/23 22:56	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/23 22:56	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/23 22:56	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/23 22:56	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/23 22:56	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/23 22:56	108-88-3	
Trichloroethene	1.2	ug/L	1.0	0.32	1		07/07/23 22:56	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/23 22:56	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/23 22:56	1330-20-7	
cis-1,2-Dichloroethene	1.6	ug/L	1.0	0.47	1		07/07/23 22:56	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/07/23 22:56	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/23 22:56	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/07/23 22:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		07/07/23 22:56	460-00-4	
1,2-Dichlorobenzene-d4 (S)	105	%	70-130		1		07/07/23 22:56	2199-69-1	
Toluene-d8 (S)	101	%	70-130		1		07/07/23 22:56	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264607

Sample: FDUP-001 Lab ID: 40264607006 Collected: 06/25/23 00:00 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	3.2	ug/L	1.0	0.30	1		07/08/23 00:14	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/08/23 00:14	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/08/23 00:14	79-00-5	
1,1-Dichloroethane	2.4	ug/L	1.0	0.30	1		07/08/23 00:14	75-34-3	
1,1-Dichloroethene	1.2	ug/L	1.0	0.58	1		07/08/23 00:14	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/08/23 00:14	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/08/23 00:14	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/08/23 00:14	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/08/23 00:14	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/08/23 00:14	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/08/23 00:14	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/08/23 00:14	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/08/23 00:14	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/08/23 00:14	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/08/23 00:14	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/08/23 00:14	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/08/23 00:14	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/08/23 00:14	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/08/23 00:14	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/08/23 00:14	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/08/23 00:14	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/08/23 00:14	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/08/23 00:14	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/08/23 00:14	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/08/23 00:14	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/08/23 00:14	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/08/23 00:14	108-88-3	
Trichloroethene	0.74J	ug/L	1.0	0.32	1		07/08/23 00:14	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/08/23 00:14	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/08/23 00:14	1330-20-7	
cis-1,2-Dichloroethene	3.6	ug/L	1.0	0.47	1		07/08/23 00:14	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/08/23 00:14	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/08/23 00:14	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/08/23 00:14	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		07/08/23 00:14	460-00-4	
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		07/08/23 00:14	2199-69-1	
Toluene-d8 (S)	100	%	70-130		1		07/08/23 00:14	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264607

Sample: RM-002D Lab ID: 40264607007 Collected: 06/25/23 15:54 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	4.9	ug/L	1.0	0.30	1		07/07/23 23:16	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/23 23:16	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/07/23 23:16	79-00-5	
1,1-Dichloroethane	3.4	ug/L	1.0	0.30	1		07/07/23 23:16	75-34-3	
1,1-Dichloroethene	0.65J	ug/L	1.0	0.58	1		07/07/23 23:16	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/23 23:16	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/23 23:16	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/23 23:16	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/23 23:16	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/23 23:16	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/23 23:16	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/23 23:16	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/23 23:16	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/07/23 23:16	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/23 23:16	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/07/23 23:16	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/23 23:16	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/23 23:16	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/23 23:16	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/07/23 23:16	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/23 23:16	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/23 23:16	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/23 23:16	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/23 23:16	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/23 23:16	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/23 23:16	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/23 23:16	108-88-3	
Trichloroethene	1.5	ug/L	1.0	0.32	1		07/07/23 23:16	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/23 23:16	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/23 23:16	1330-20-7	
cis-1,2-Dichloroethene	0.97J	ug/L	1.0	0.47	1		07/07/23 23:16	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/07/23 23:16	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/23 23:16	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/07/23 23:16	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/07/23 23:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/07/23 23:16	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		07/07/23 23:16	2037-26-5	

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264607

Sample: FB-001 Lab ID: 40264607008 Collected: 06/25/23 17:00 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/23 20:20	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/23 20:20	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/07/23 20:20	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/23 20:20	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/23 20:20	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/23 20:20	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/23 20:20	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/23 20:20	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/23 20:20	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/23 20:20	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/23 20:20	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/23 20:20	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/23 20:20	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/07/23 20:20	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/23 20:20	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/07/23 20:20	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/23 20:20	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/23 20:20	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/23 20:20	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/07/23 20:20	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/23 20:20	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/23 20:20	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/23 20:20	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/23 20:20	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/23 20:20	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/23 20:20	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/23 20:20	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/07/23 20:20	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/23 20:20	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/23 20:20	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/07/23 20:20	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/07/23 20:20	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/23 20:20	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/07/23 20:20	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		07/07/23 20:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	70-130		1		07/07/23 20:20	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		07/07/23 20:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264607

Sample: TB-001 Lab ID: 40264607009 Collected: 06/25/23 00:00 Received: 07/05/23 07:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/23 20:39	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/23 20:39	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	1.0	0.34	1		07/07/23 20:39	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/23 20:39	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/23 20:39	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/23 20:39	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/23 20:39	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/23 20:39	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/23 20:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/23 20:39	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/23 20:39	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/23 20:39	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/23 20:39	75-27-4	
Bromoform	<0.43	ug/L	1.0	0.43	1		07/07/23 20:39	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/23 20:39	74-83-9	
Carbon disulfide	<0.65	ug/L	1.0	0.65	1		07/07/23 20:39	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/23 20:39	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/23 20:39	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/23 20:39	75-00-3	
Chloroform	<0.50	ug/L	5.0	0.50	1		07/07/23 20:39	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/23 20:39	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/23 20:39	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/23 20:39	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/23 20:39	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/23 20:39	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/23 20:39	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/23 20:39	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/07/23 20:39	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/23 20:39	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/23 20:39	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/07/23 20:39	156-59-2	
cis-1,3-Dichloropropene	<0.24	ug/L	1.0	0.24	1		07/07/23 20:39	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/23 20:39	156-60-5	
trans-1,3-Dichloropropene	<0.27	ug/L	1.0	0.27	1		07/07/23 20:39	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		07/07/23 20:39	460-00-4	
1,2-Dichlorobenzene-d4 (S)	104	%	70-130		1		07/07/23 20:39	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		07/07/23 20:39	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 525156.0000PH3 LEMBERGER LF

Pace Project No.: 40264607

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

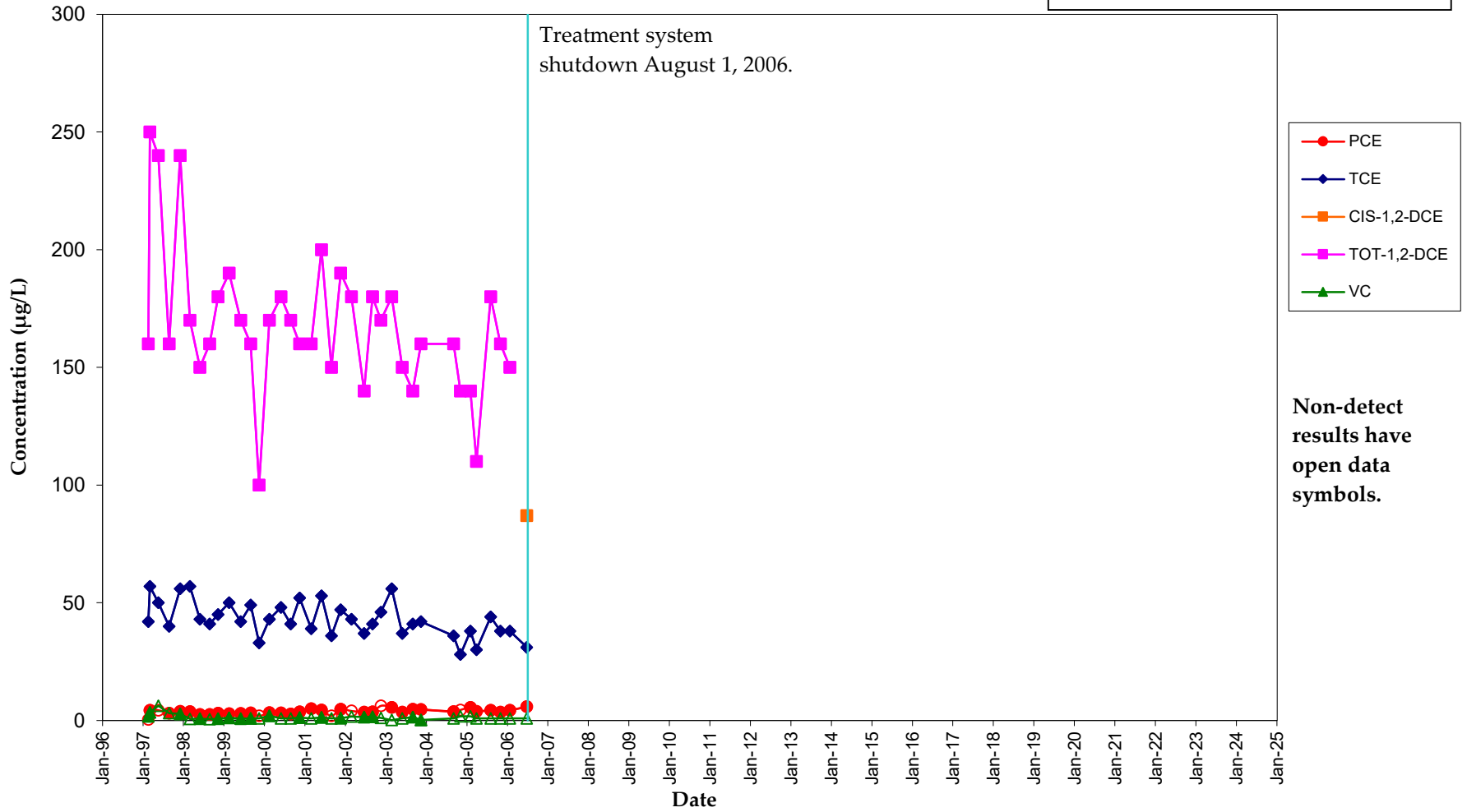
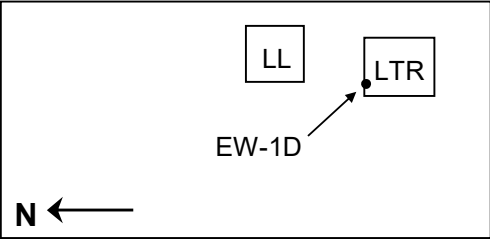
TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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Appendix G: VOC Trend Plots – TCE and Degradation Products

**EW-01D
VOC Concentration Trends
Lemberger Landfill**



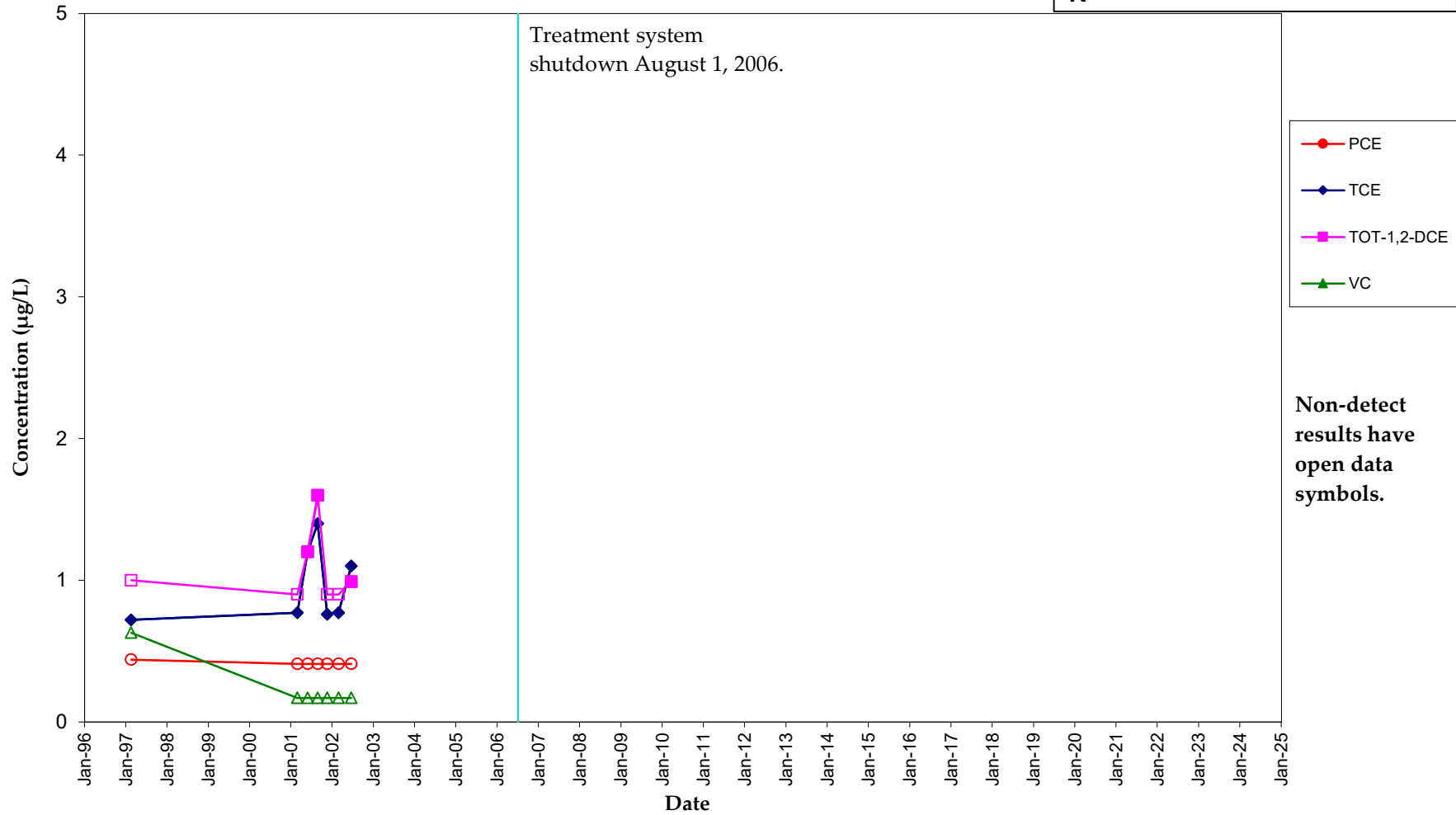
EW-02D VOC Concentration Trends Lemberger Landfill

LL

LTR

EW-2D

N ←

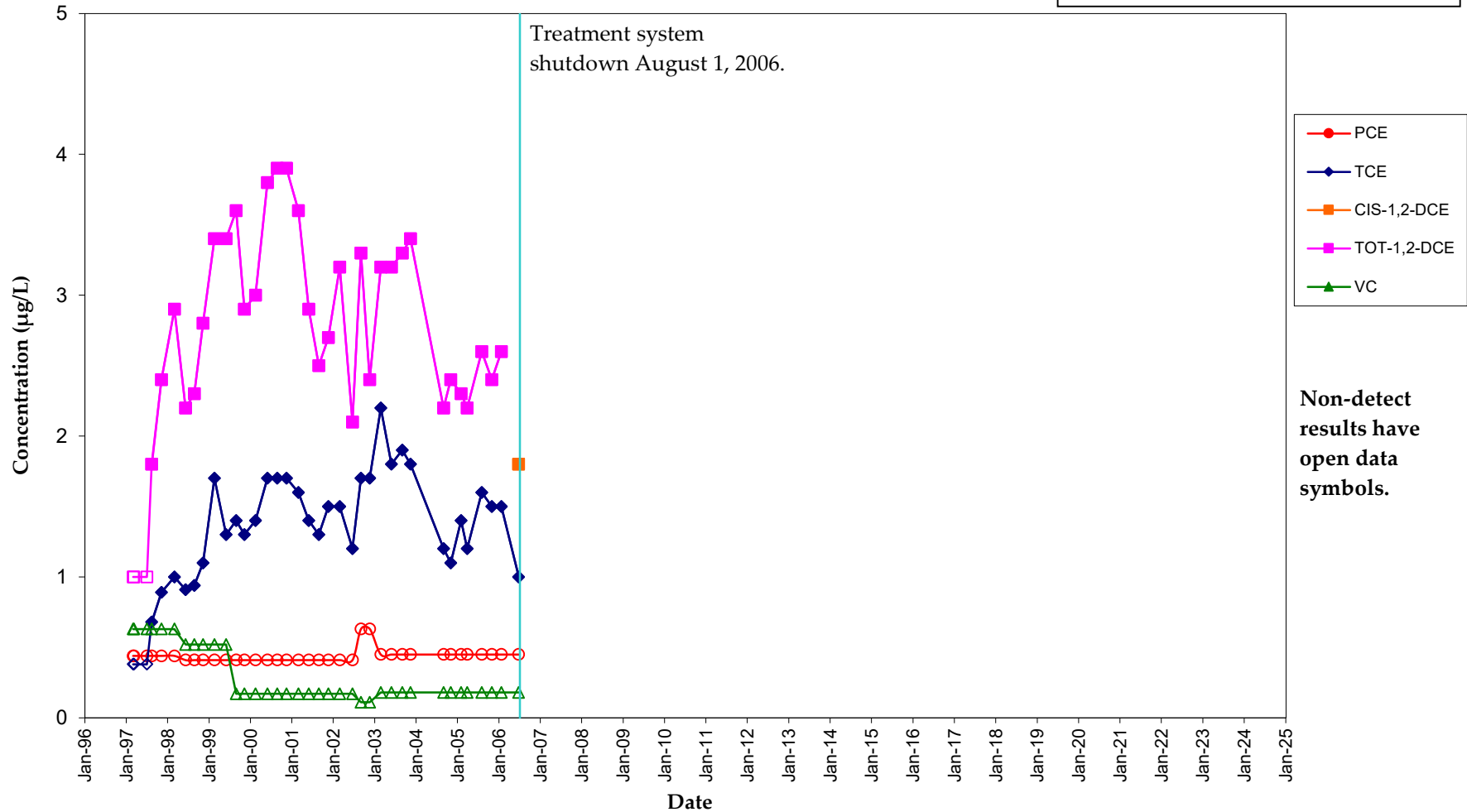


Non-detect results have open data symbols.

EW-03D VOC Concentration Trends Lemberger Landfill

• EW-3D LL LTR

N ←



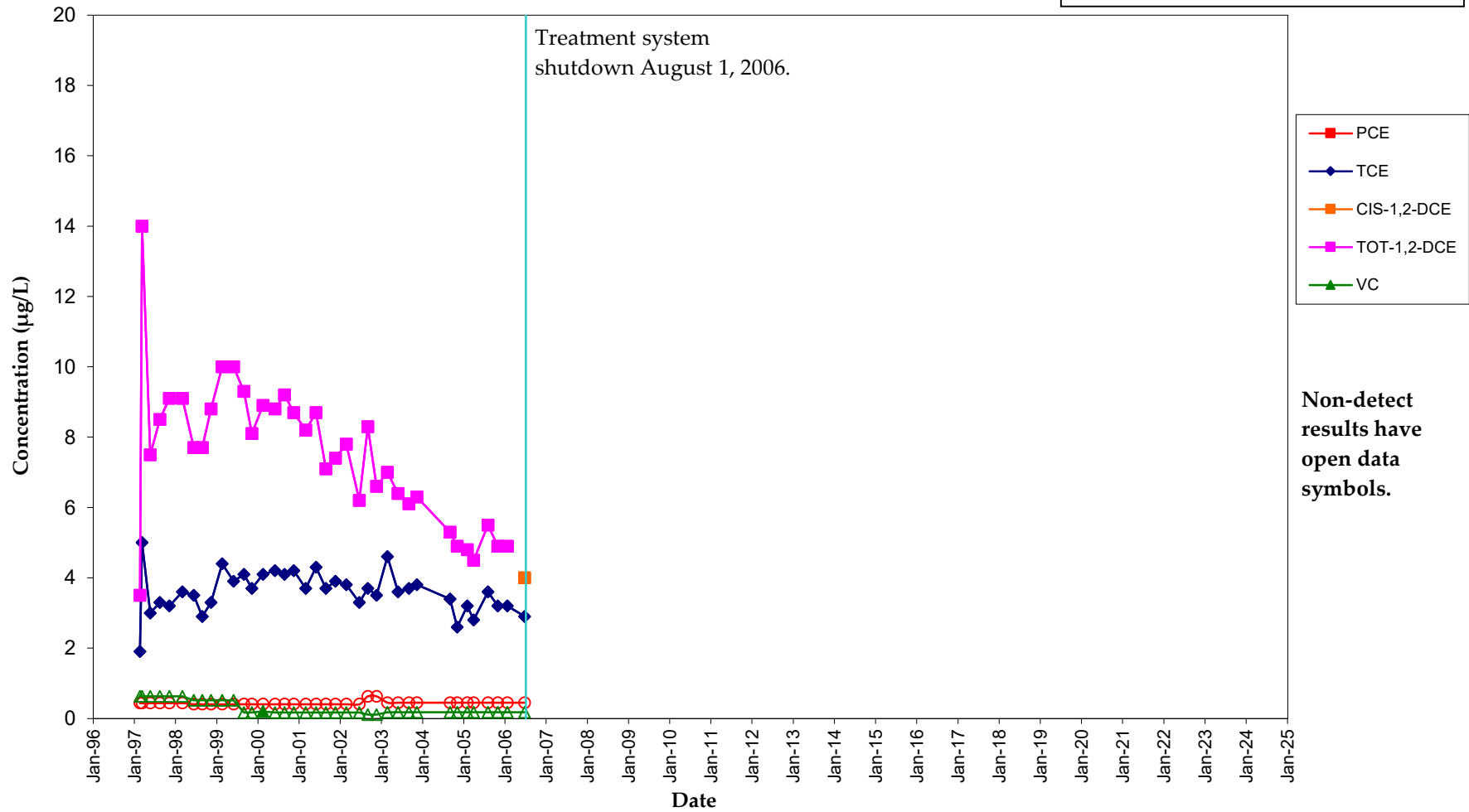
Non-detect results have open data symbols.

**EW-04D
VOC Concentration Trends
Lemberger Landfill**

LL
LTR

● EW-4I, 4D

N ←



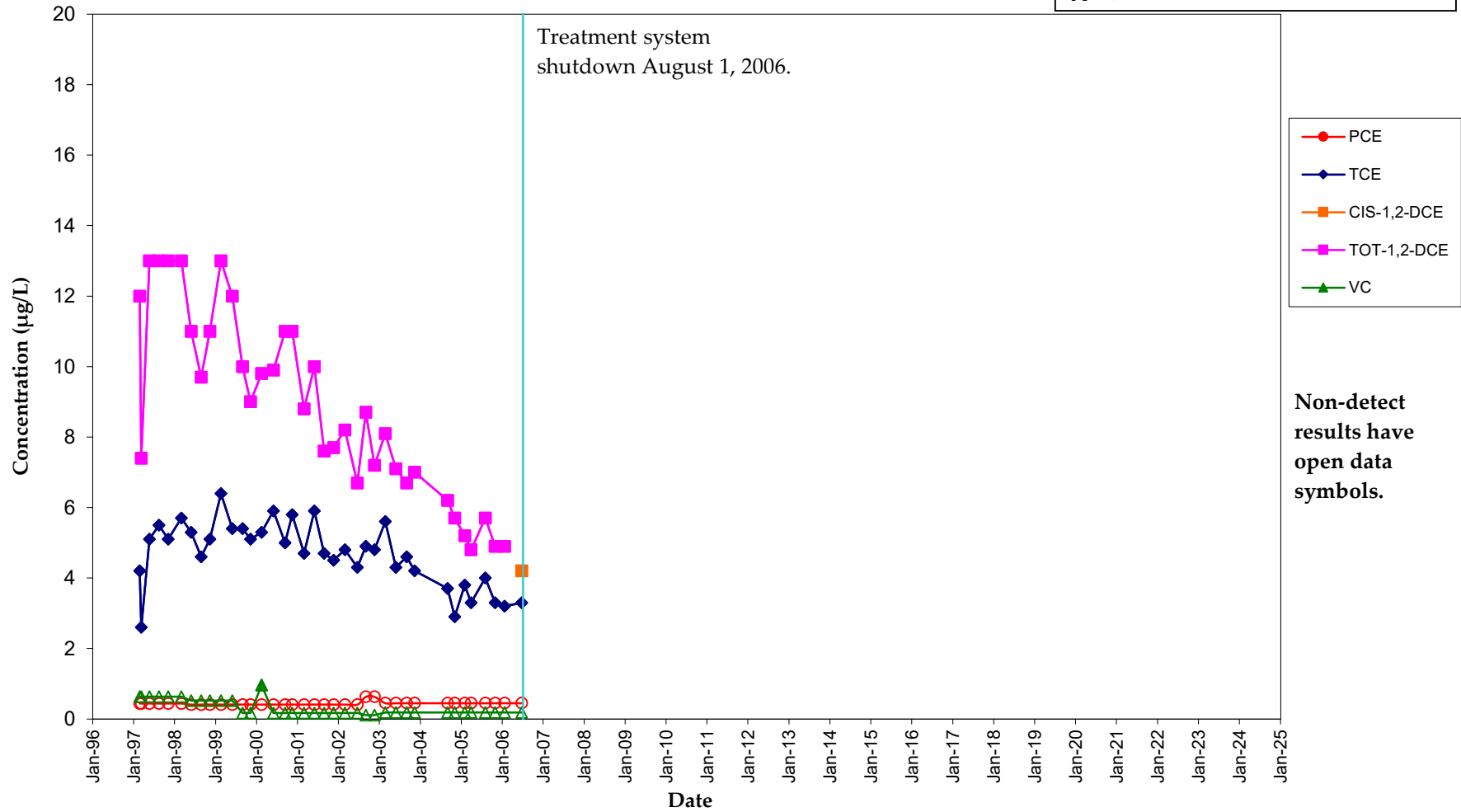
**EW-04I
VOC Concentration Trends
Lemberger Landfill**

LL

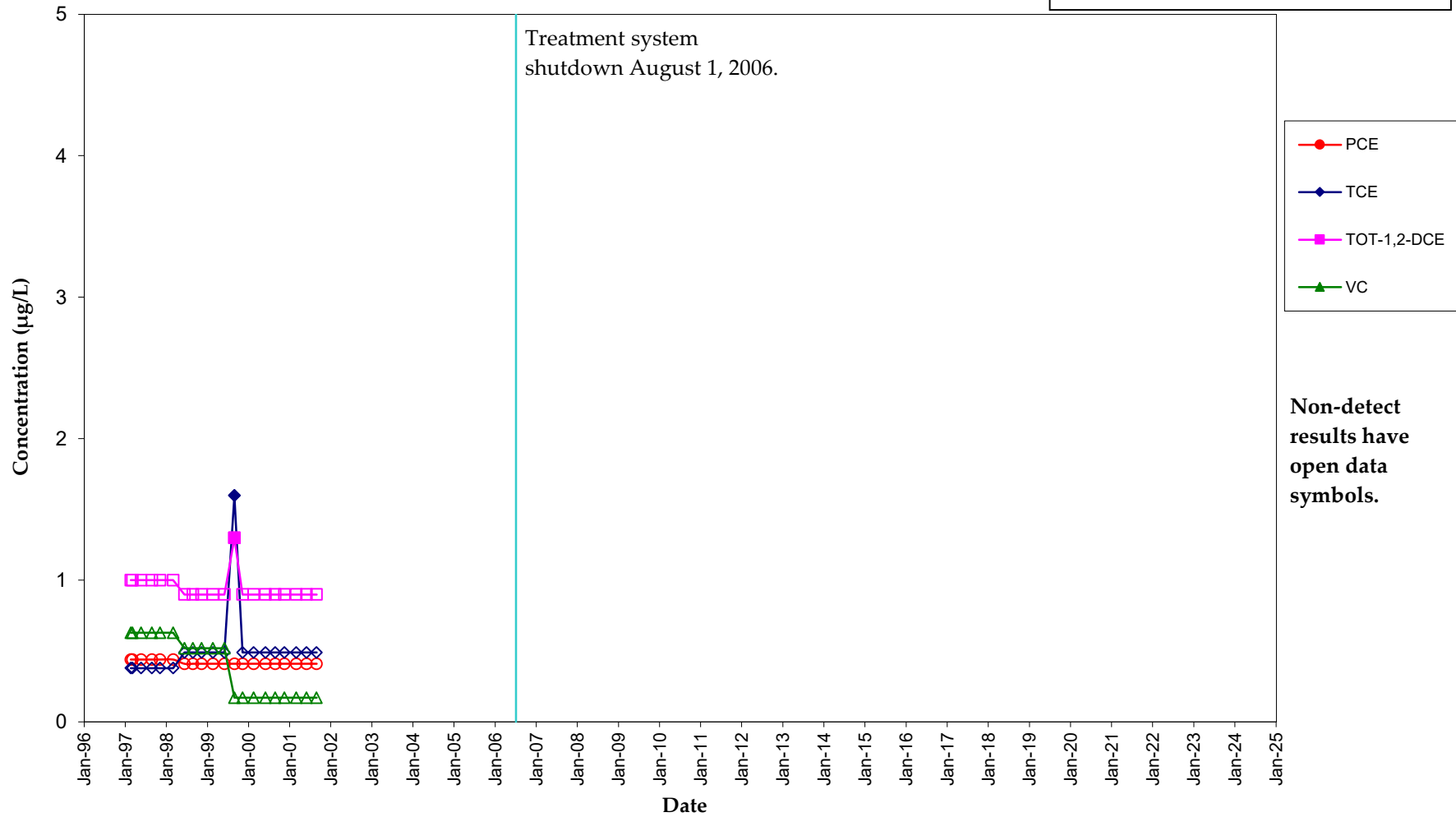
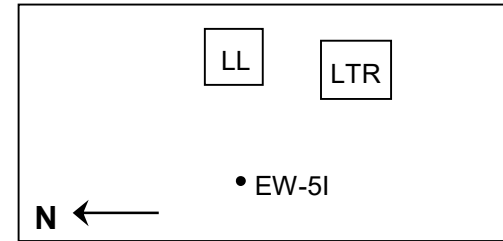
LTR

● EW-4I, 4D

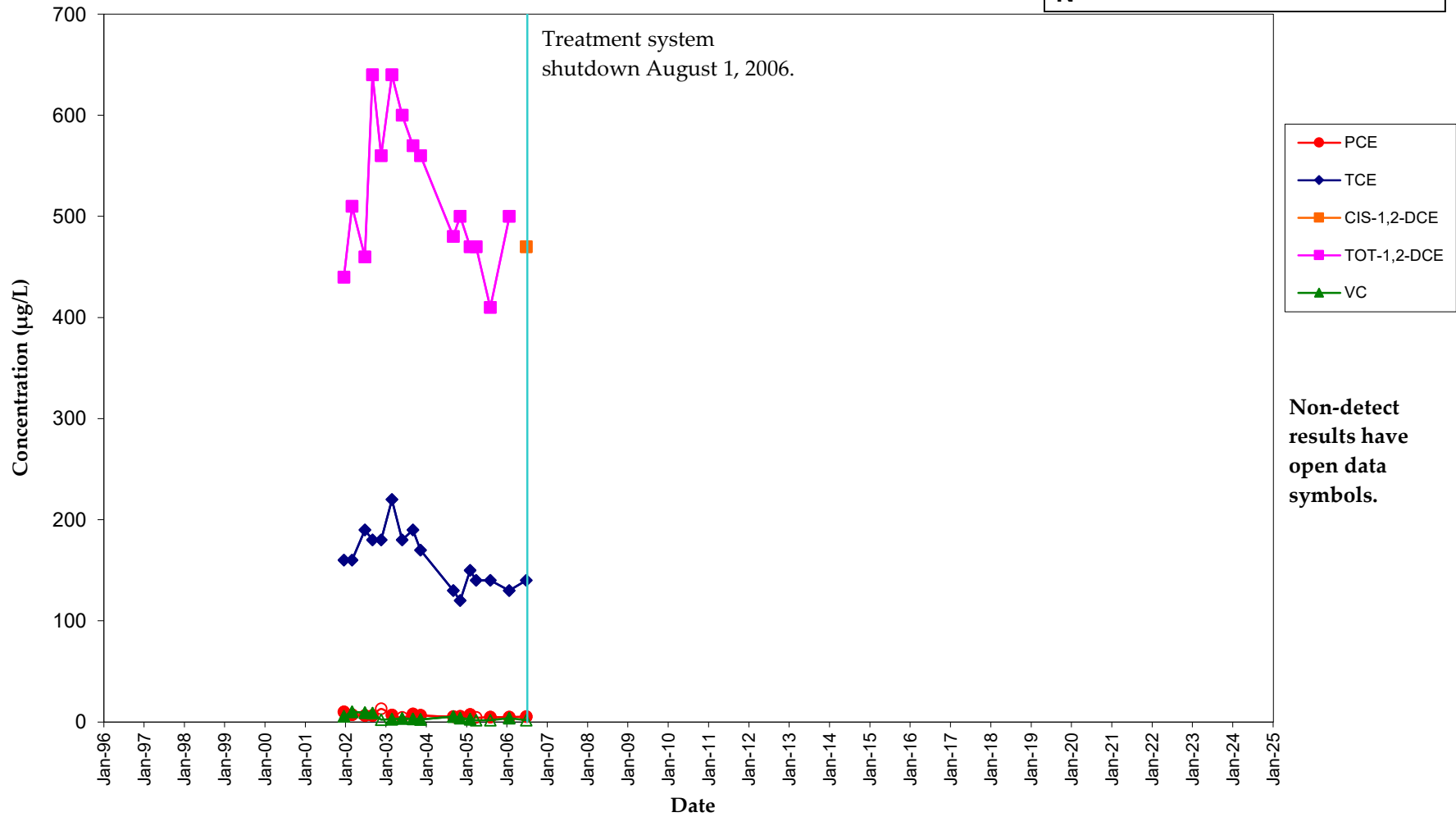
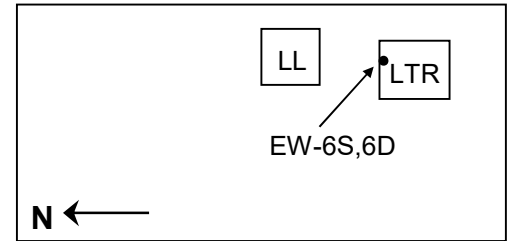
N ←



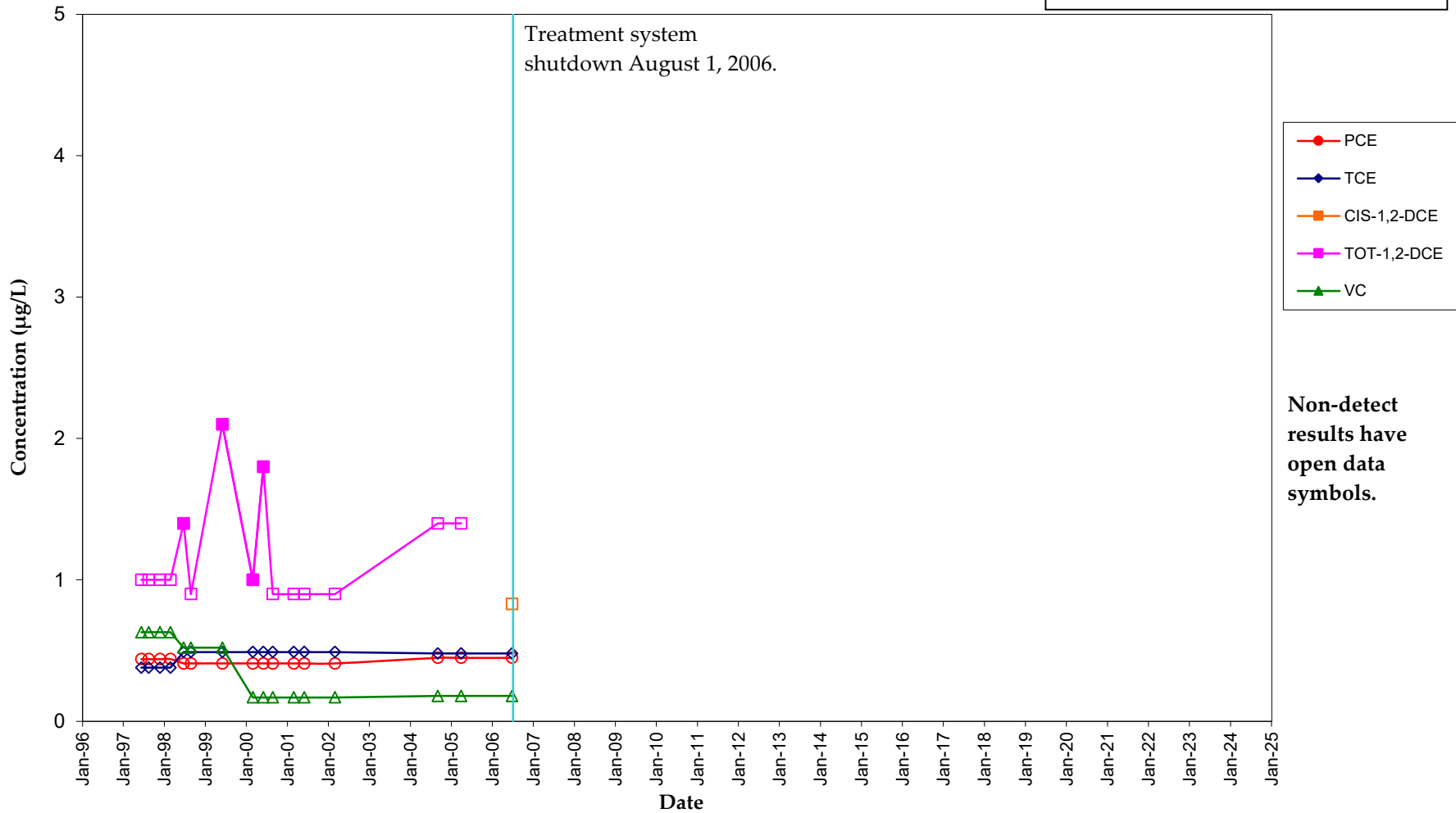
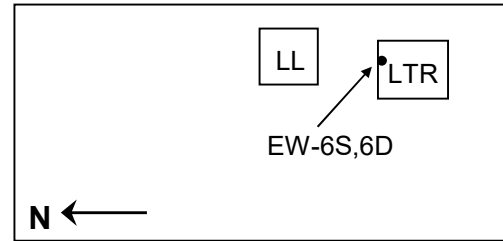
EW-05I VOC Concentration Trends Lemberger Landfill



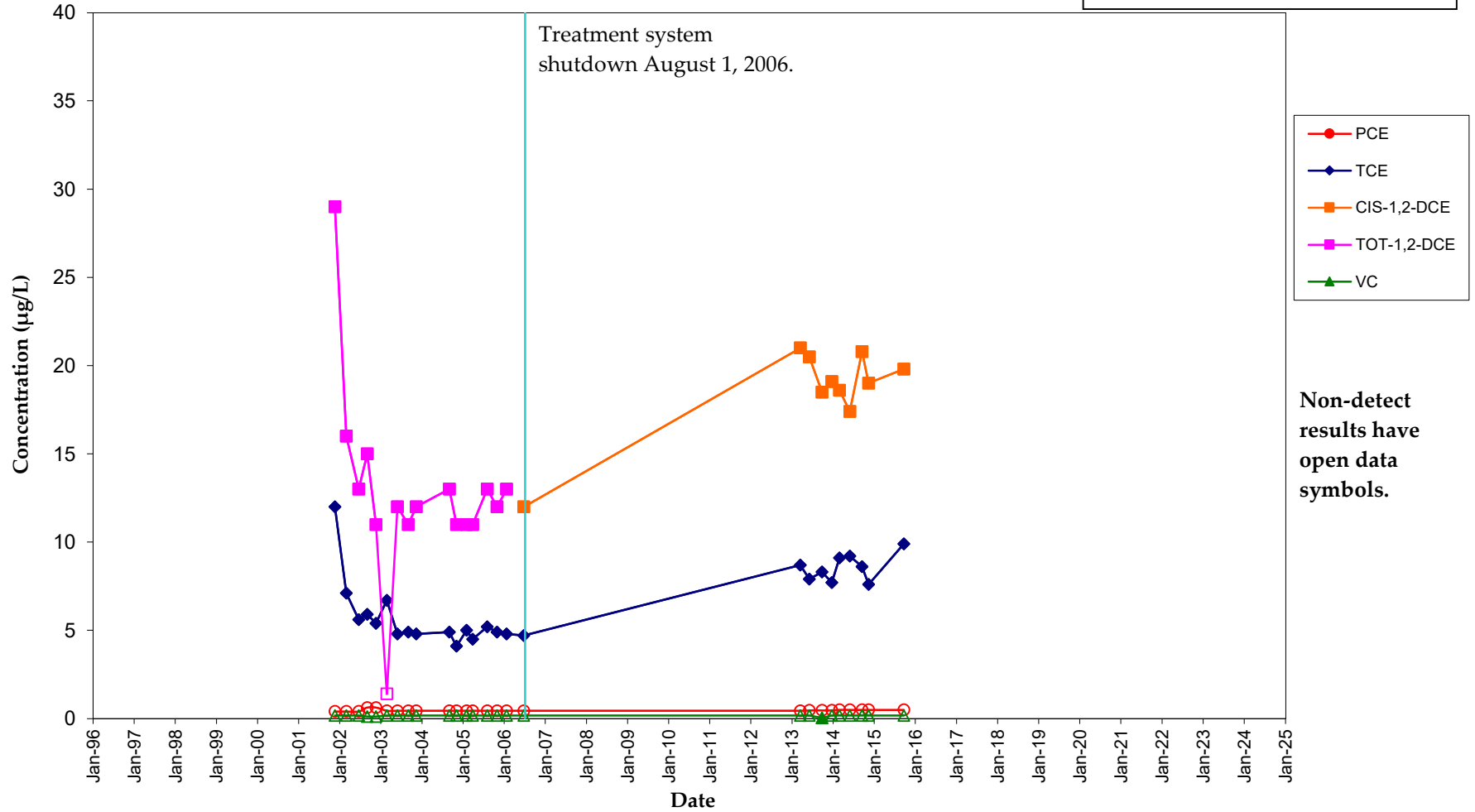
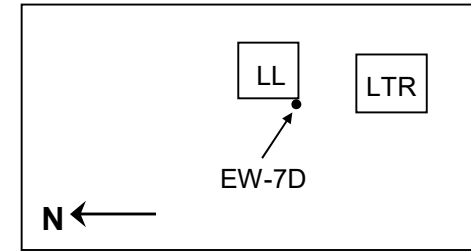
EW-06D VOC Concentration Trends Lemberger Landfill



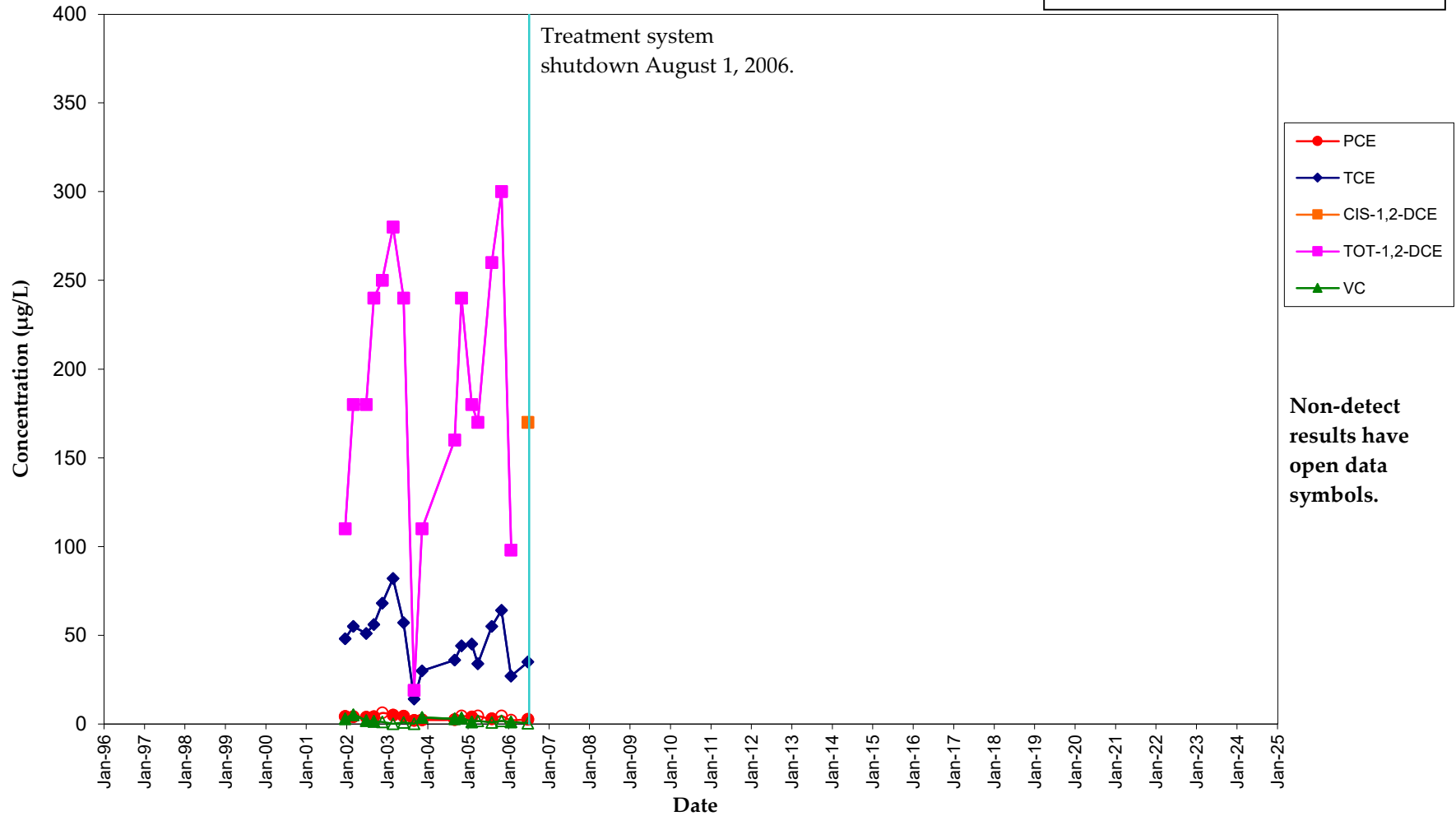
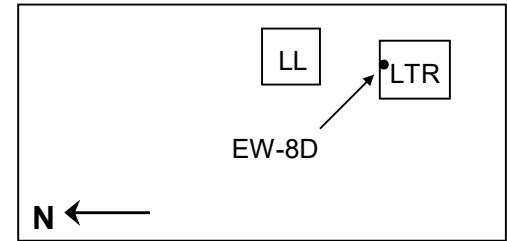
**EW-06S
VOC Concentration Trends
Lemberger Landfill**



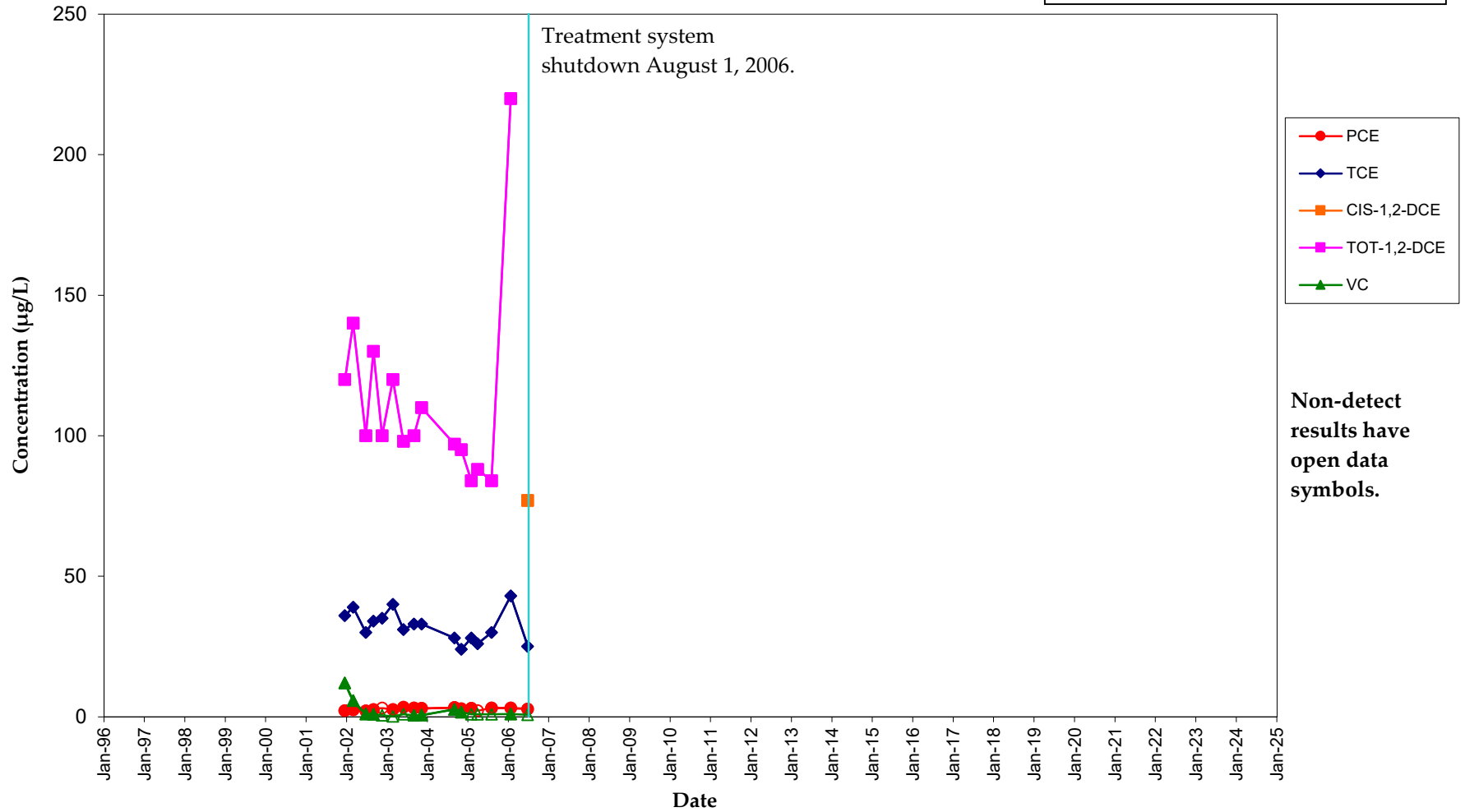
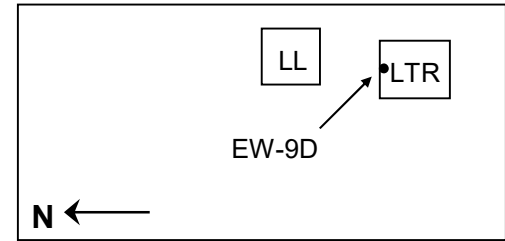
EW-07D VOC Concentration Trends Lemberger Landfill



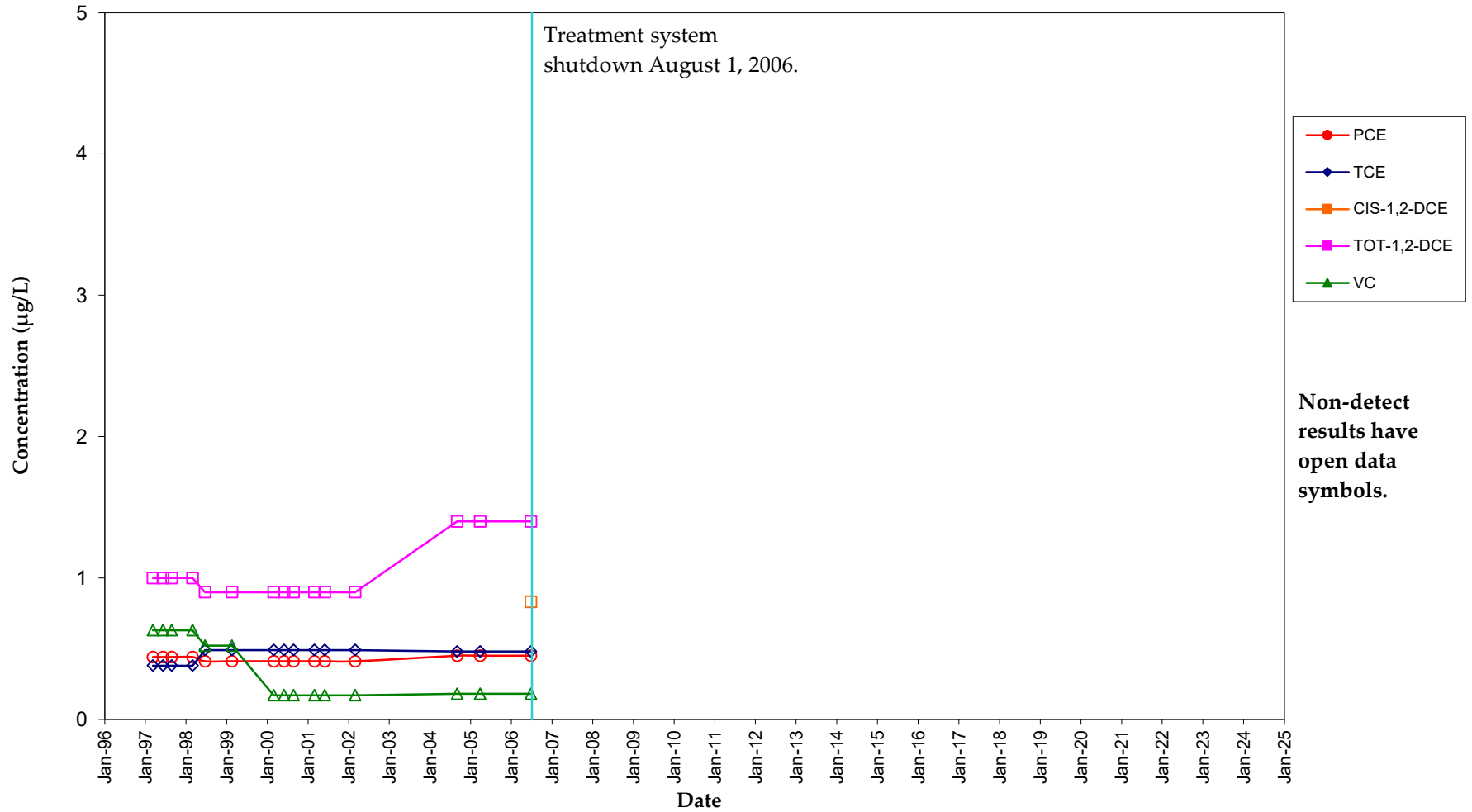
EW-08D VOC Concentration Trends Lemberger Landfill



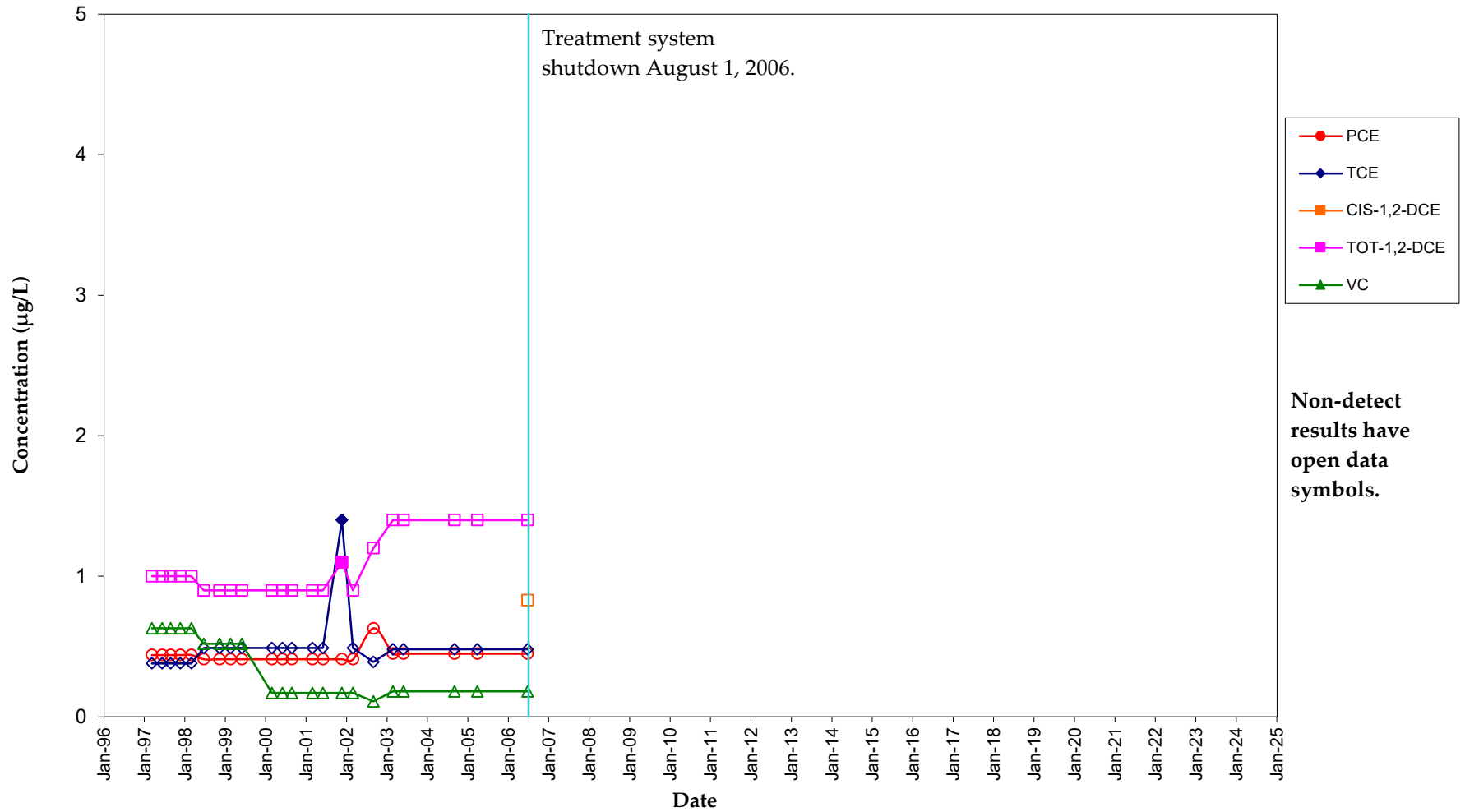
EW-09D VOC Concentration Trends Lemberger Landfill



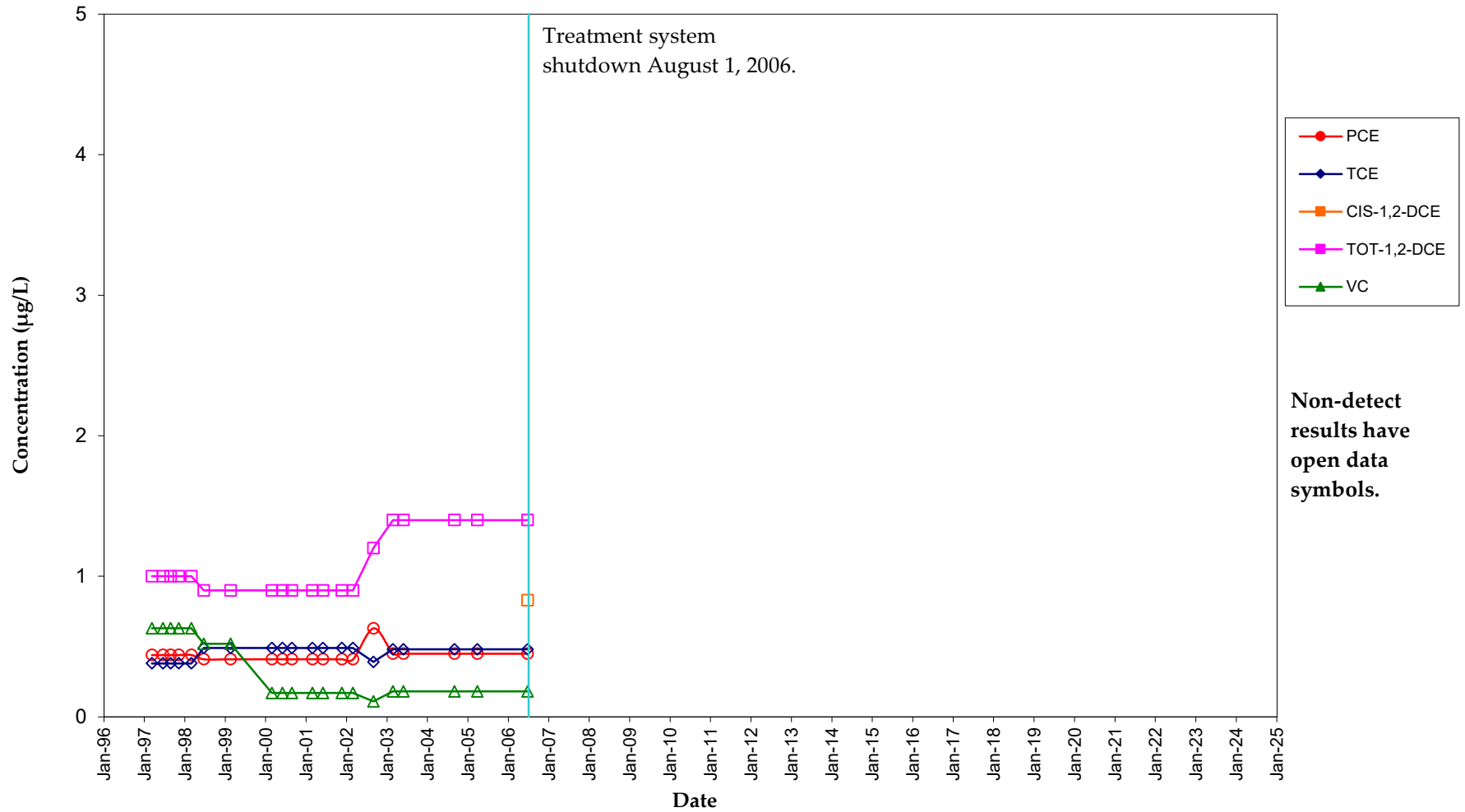
GWC-1 VOC Concentration Trends Lemberger Landfill



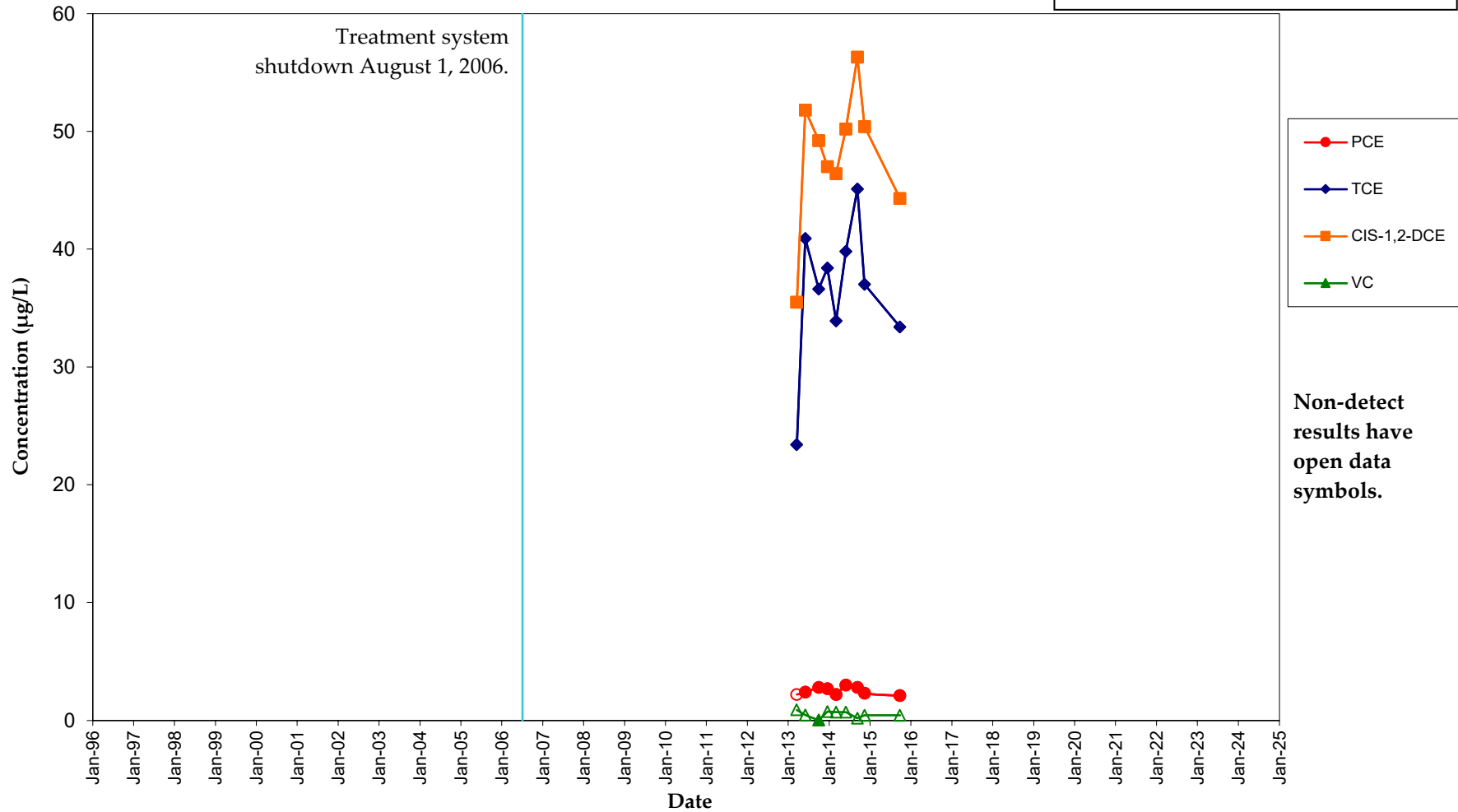
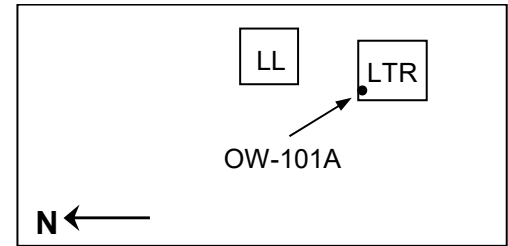
GWC-2 VOC Concentration Trends Lemberger Landfill



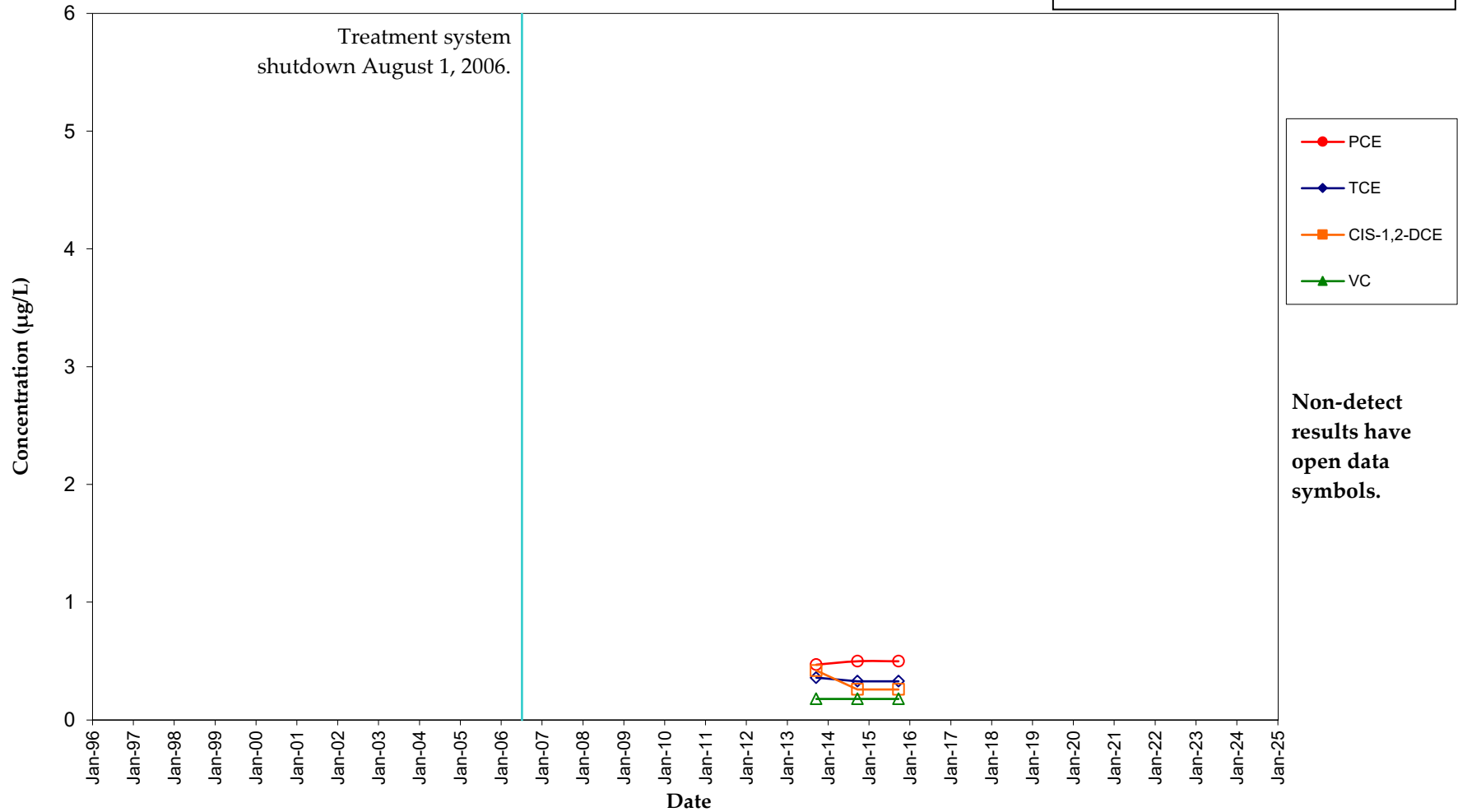
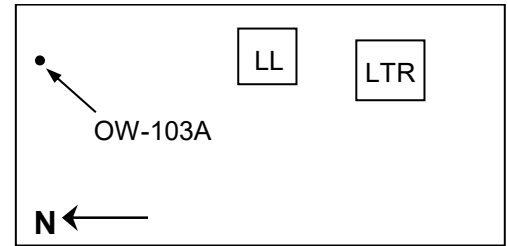
GWC-3 VOC Concentration Trends Lemberger Landfill



**OW-101A
VOC Concentration Trends
Lemberger Landfill**



OW-103A VOC Concentration Trends Lemberger Landfill



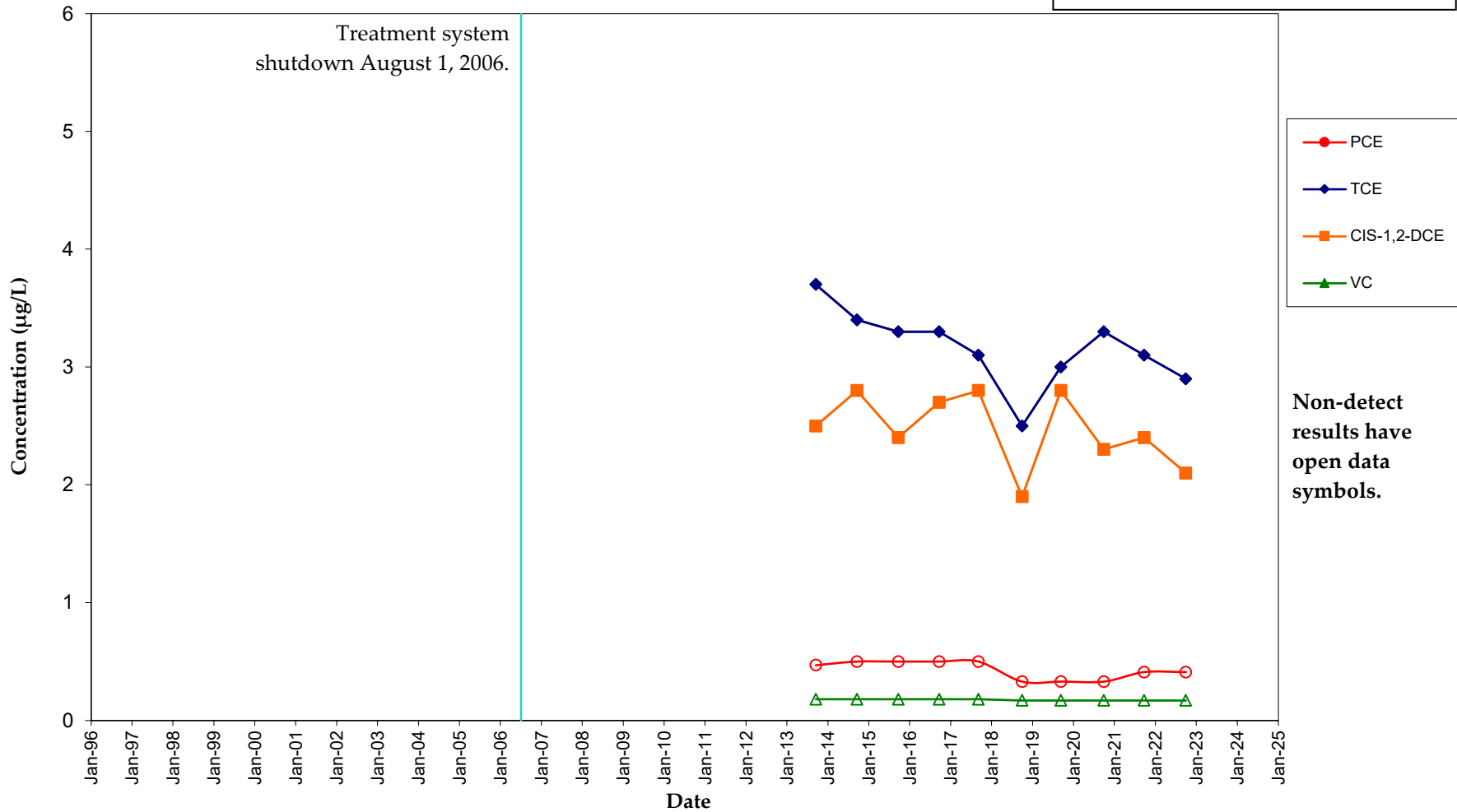
**OW-104F
VOC Concentration Trends
Lemberger Landfill**

LL

LTR

• OW-104F

N ←

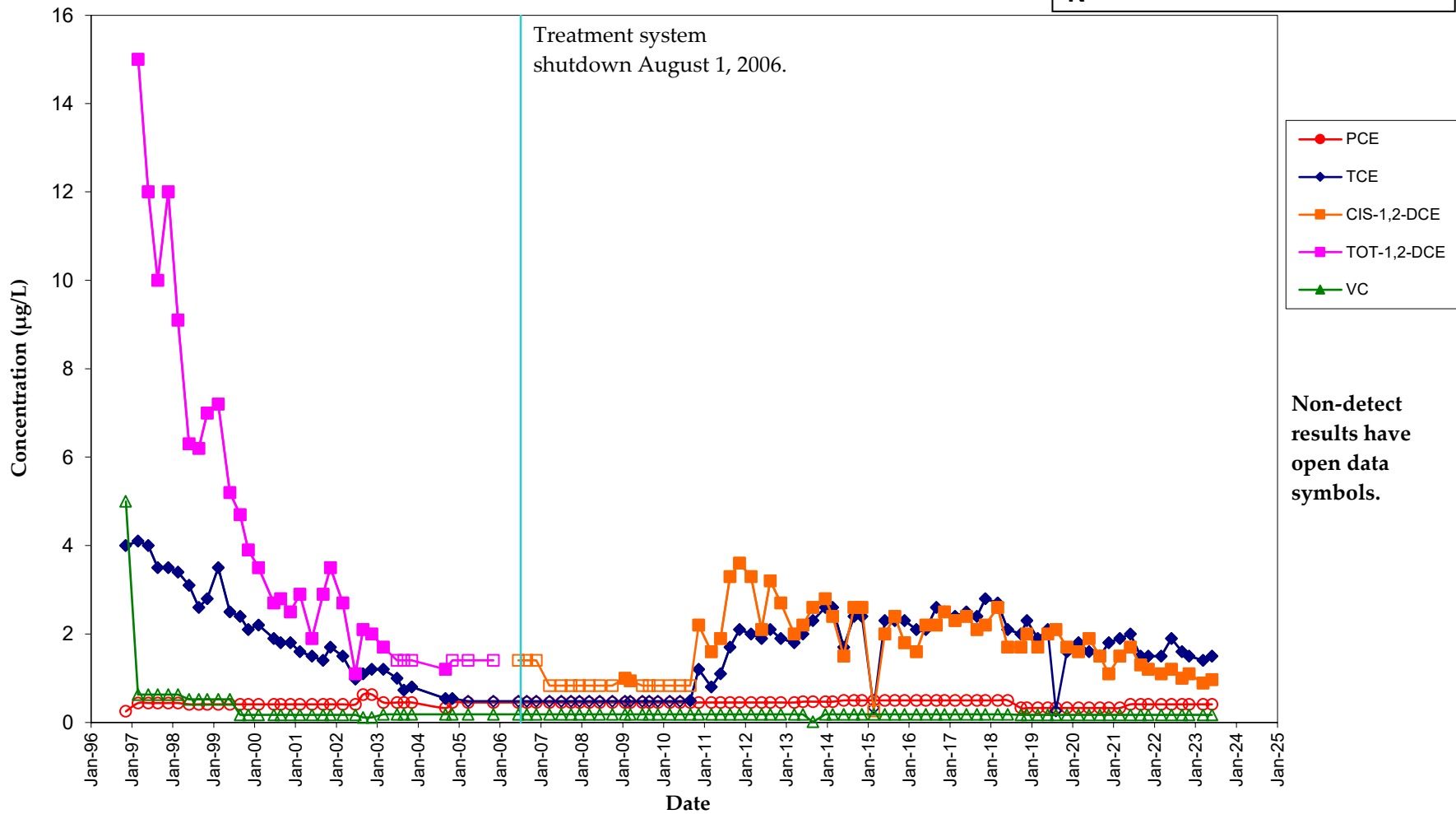


RM-002D
 VOC Concentration Trends
 Lemberger Landfill

LL LTR

• RM-2I, 2D

N ←



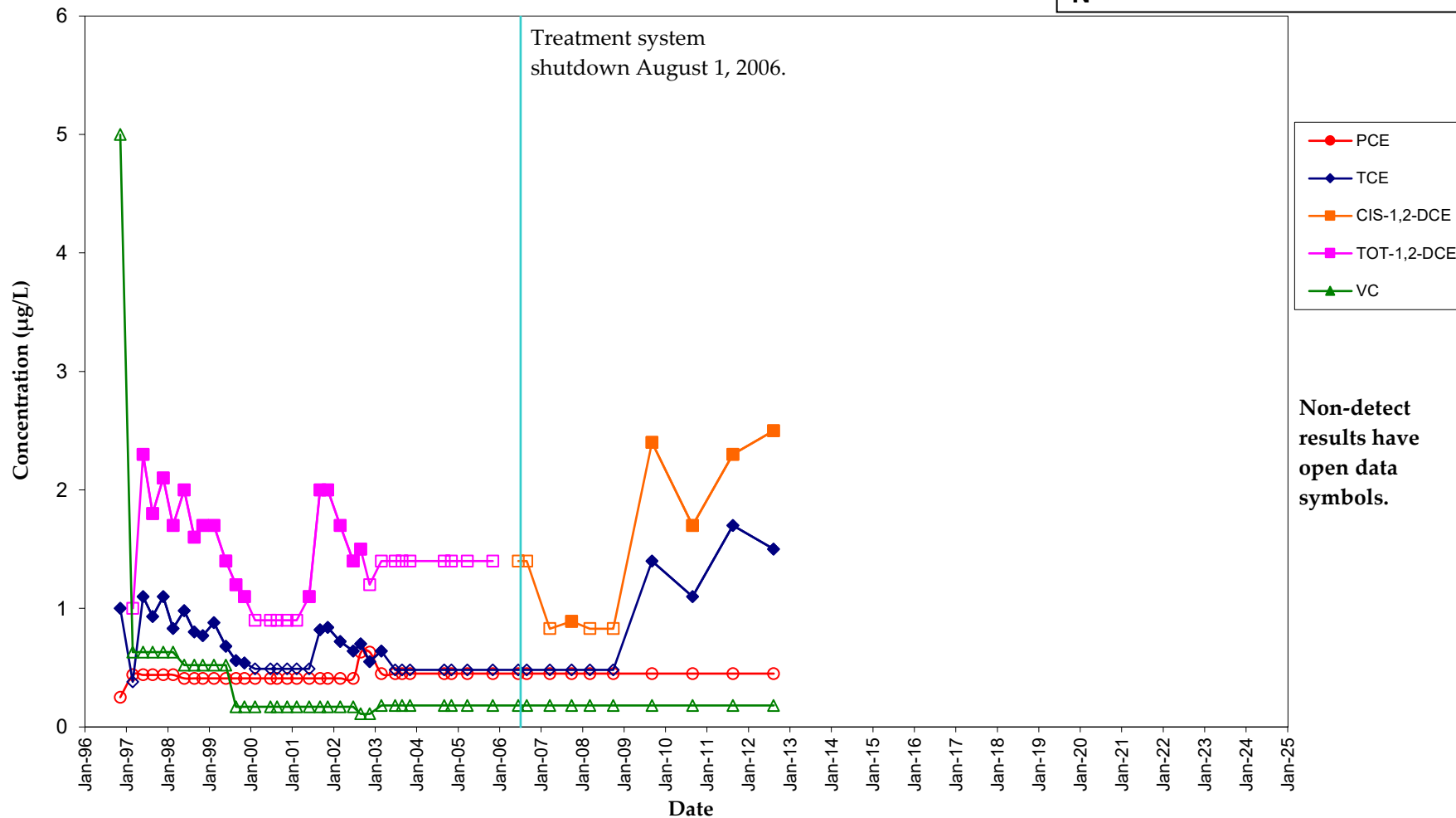
RM-002I VOC Concentration Trends Lemberger Landfill

LL

LTR

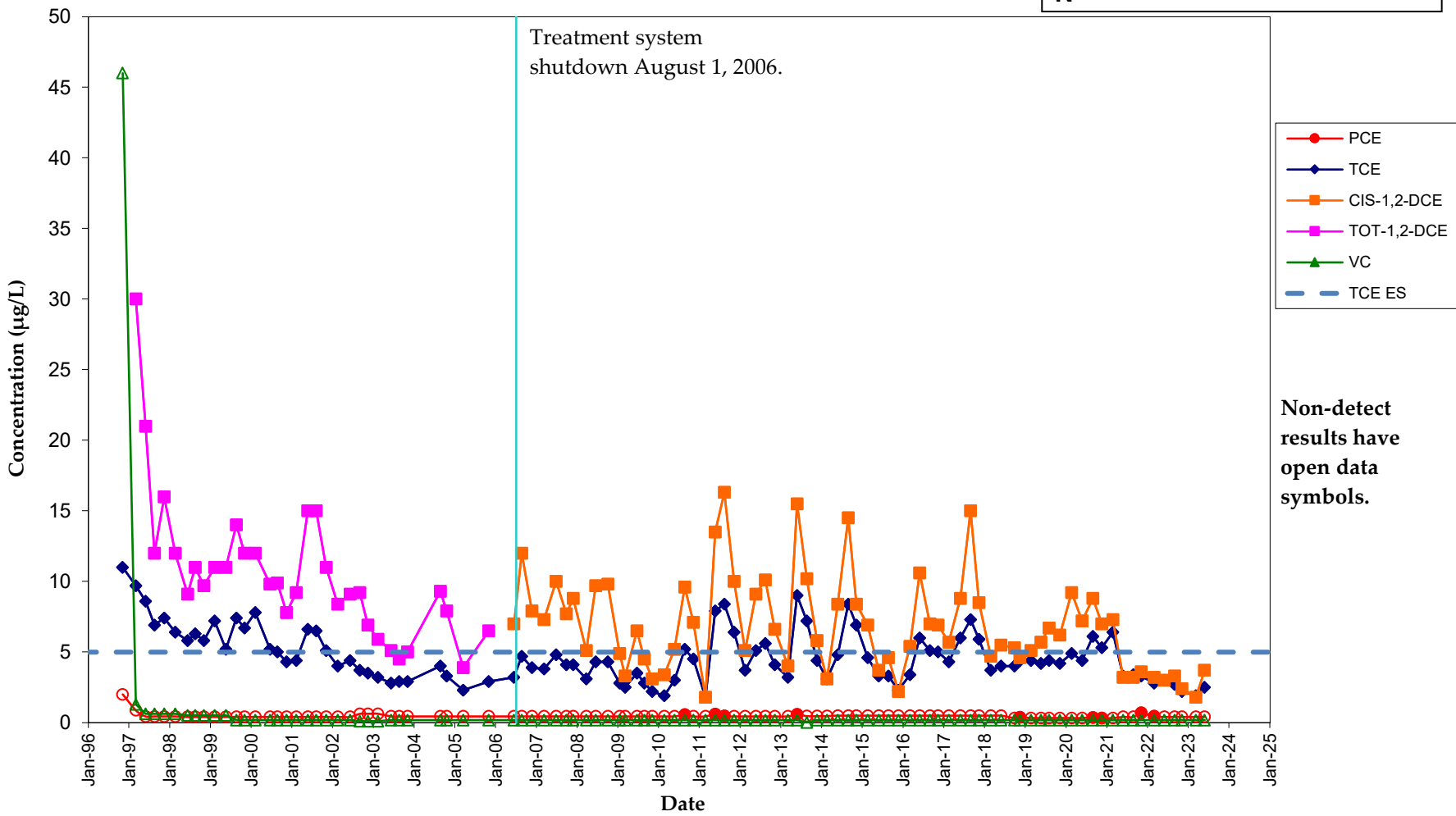
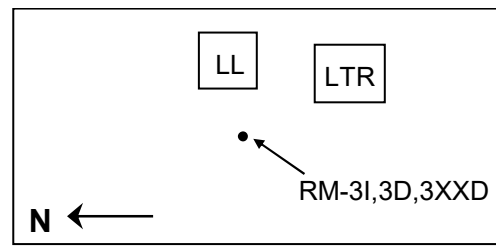
• RM-2I, 2D

N ←

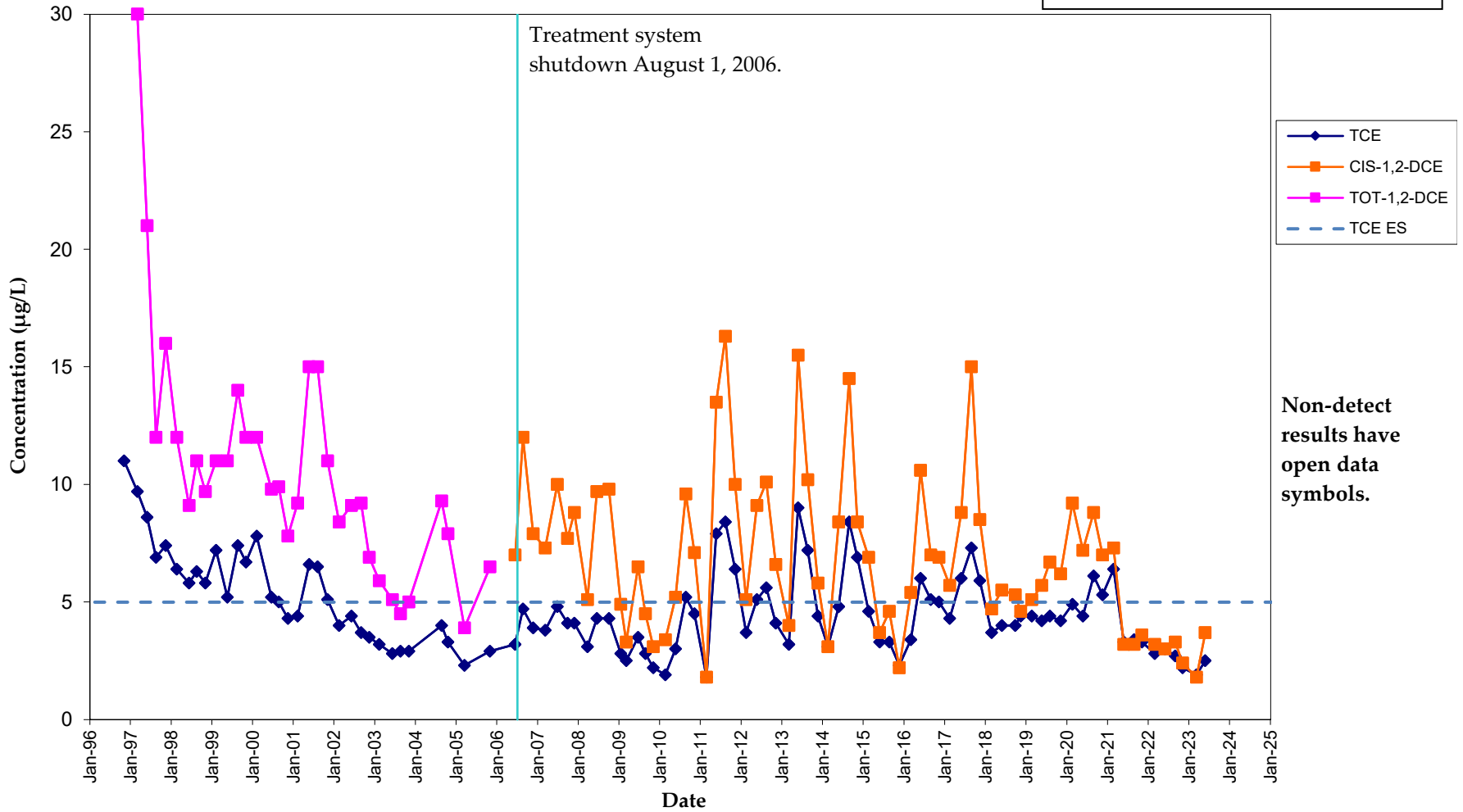
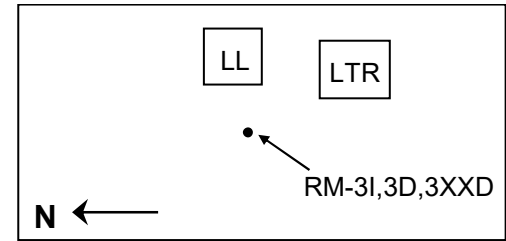


Non-detect results have open data symbols.

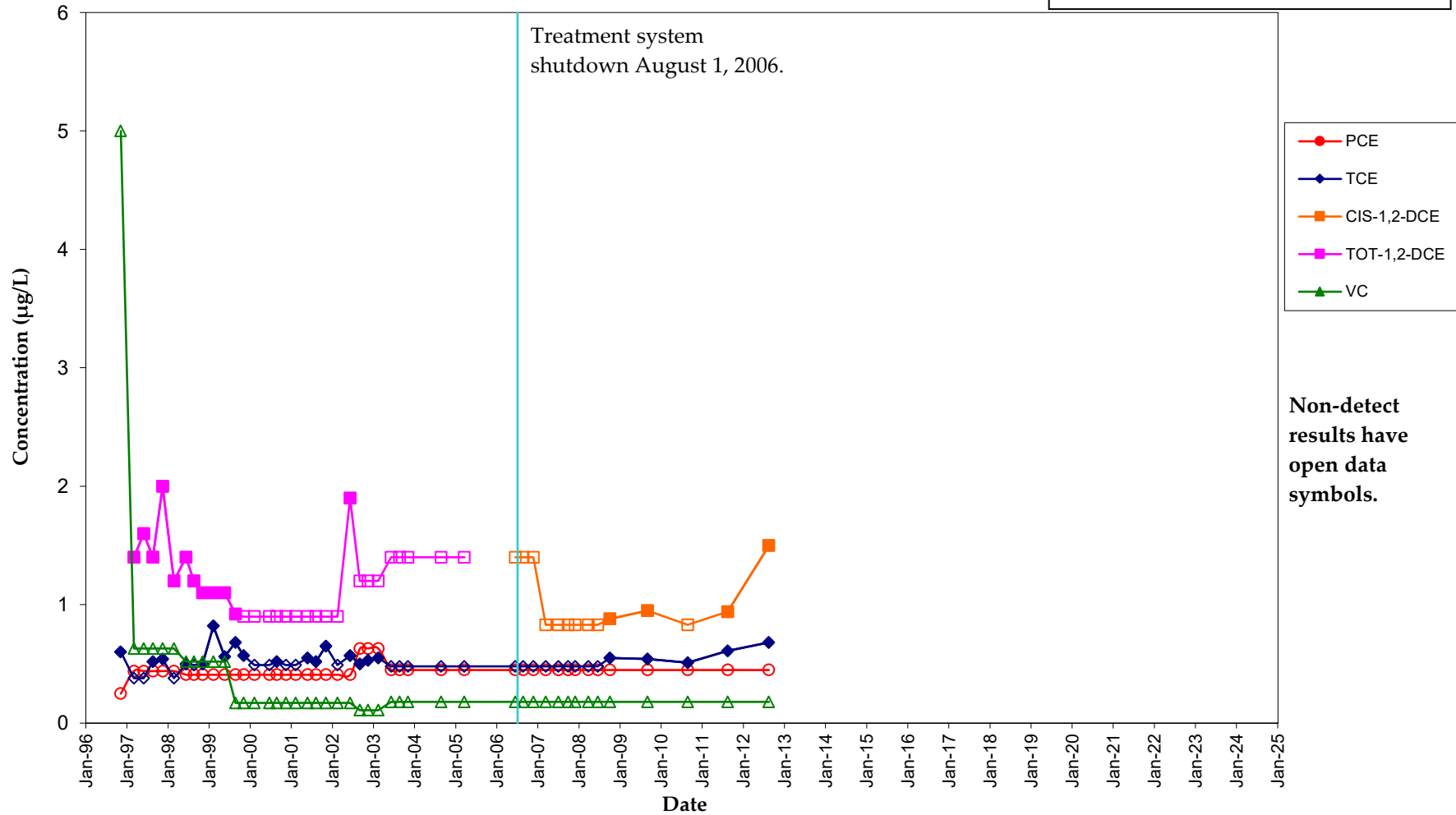
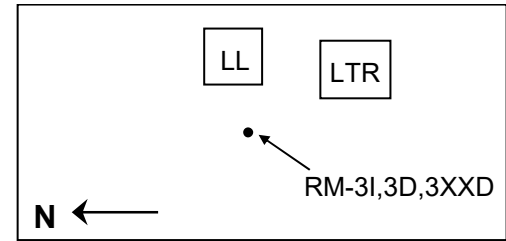
RM-003D VOC Concentration Trends Lemberger Landfill



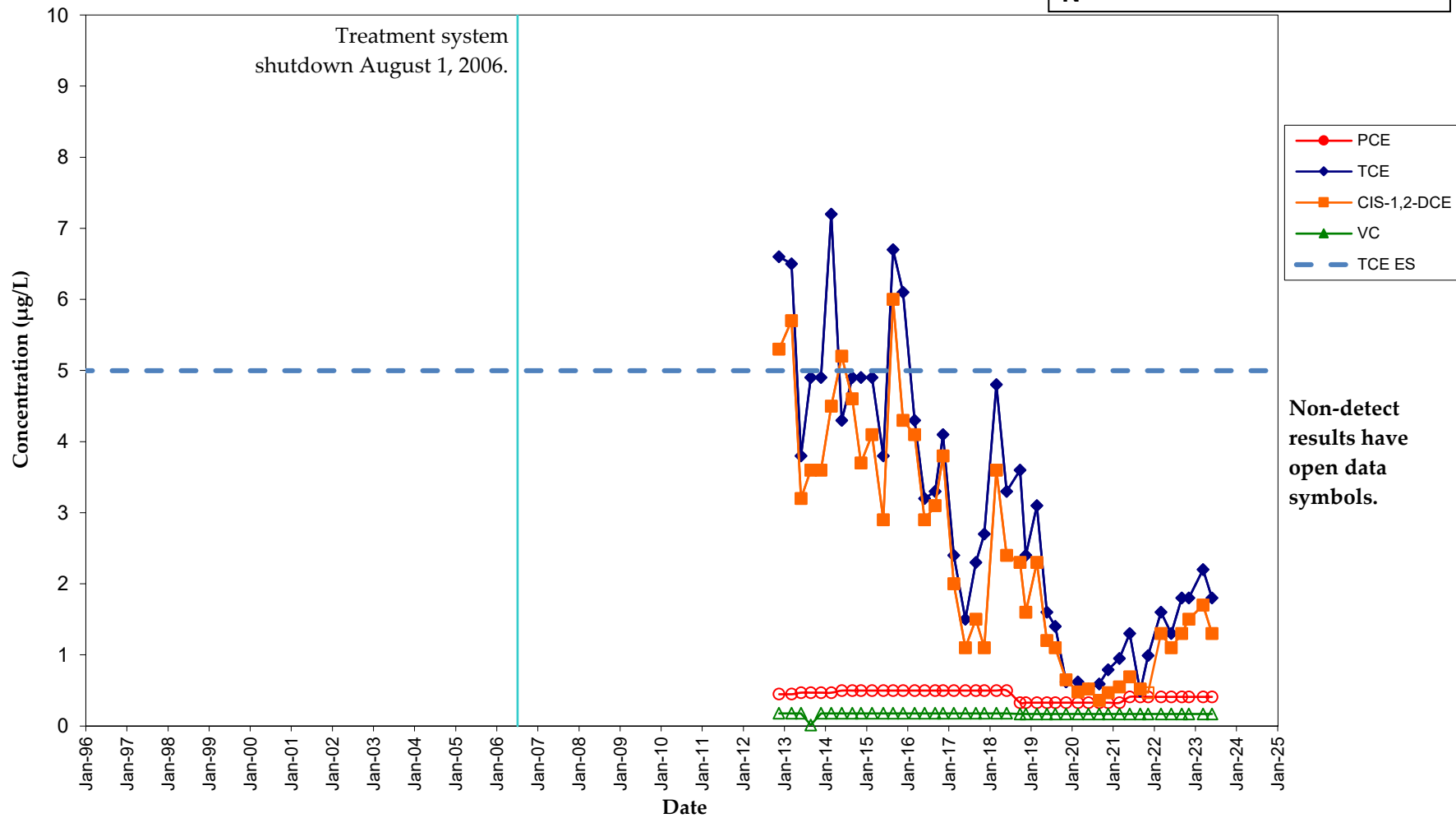
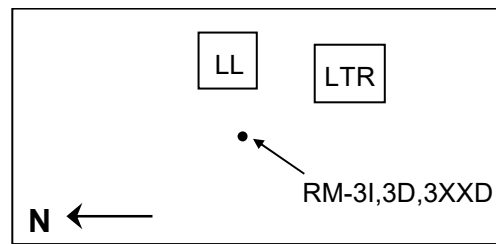
**RM-003D
VOC Concentration Trends (TCE & 1,2-DCE Only)
Lemberger Landfill**



RM-003I VOC Concentration Trends Lemberger Landfill



RM-003XXD VOC Concentration Trends Lemberger Landfill

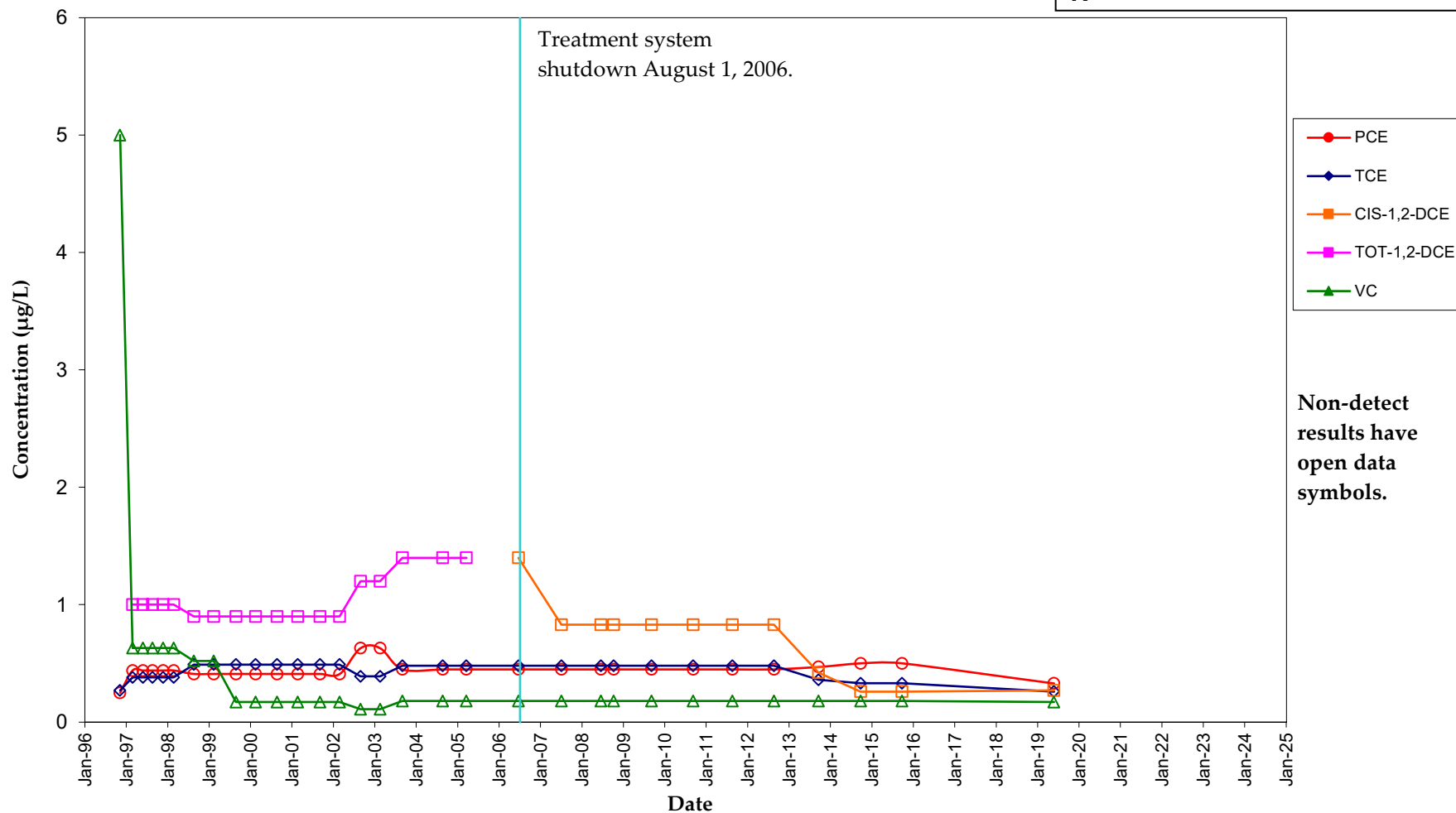


RM-004D
 VOC Concentration Trends
 Lemberger Landfill

RM-4S, 4D[•]

LL LTR

N ←



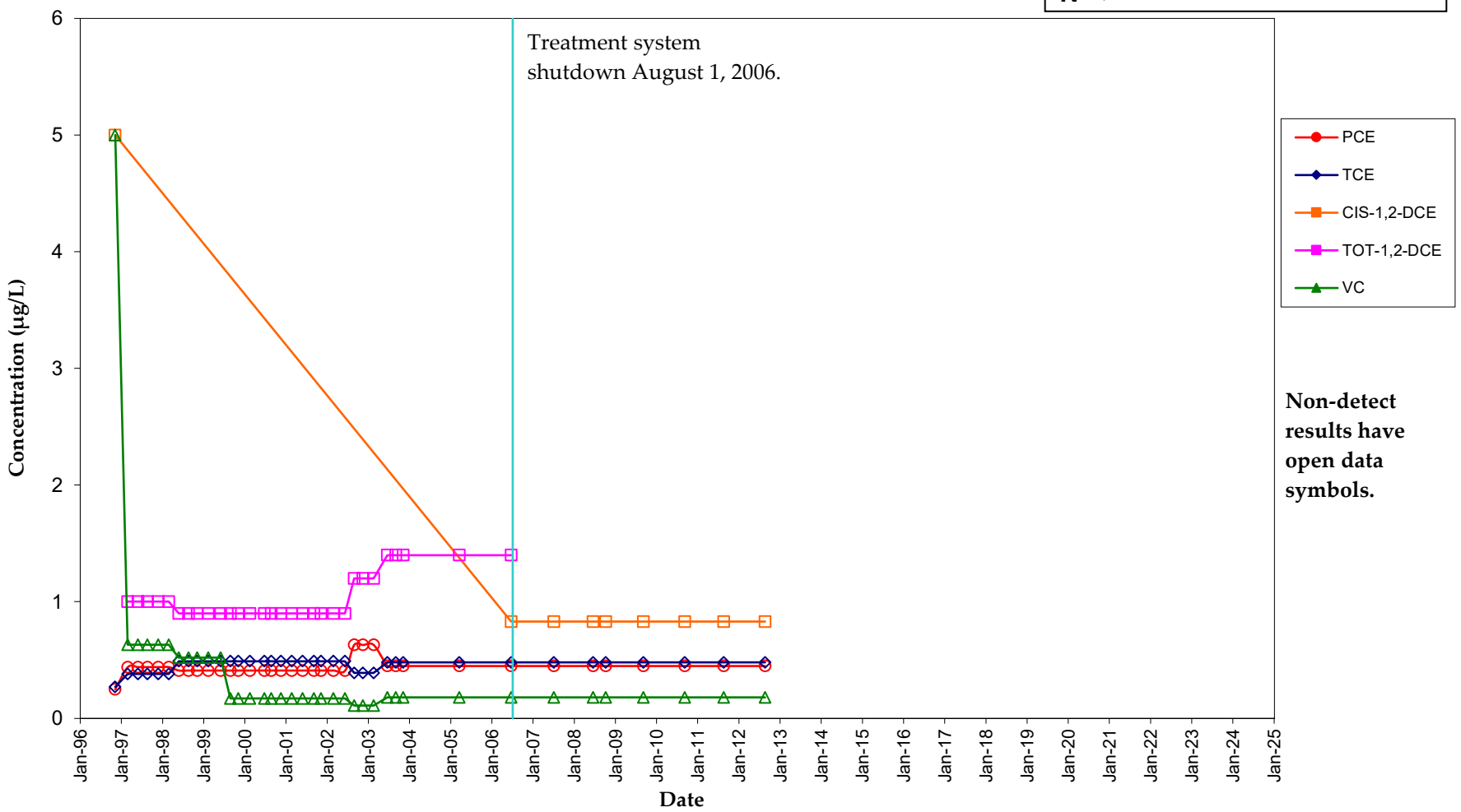
RM-004S VOC Concentration Trends Lemberger Landfill

RM-4S, 4D[•]

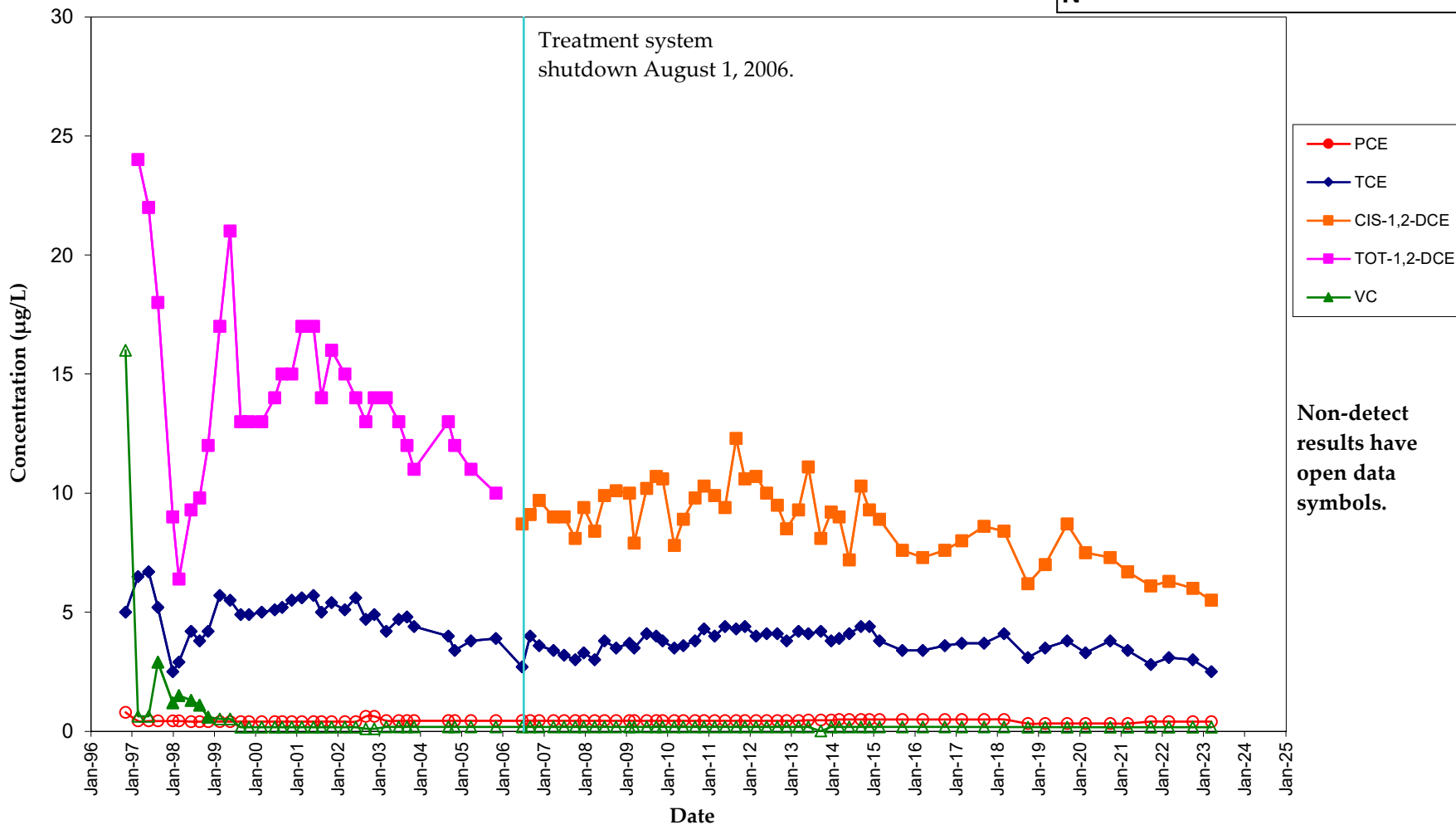
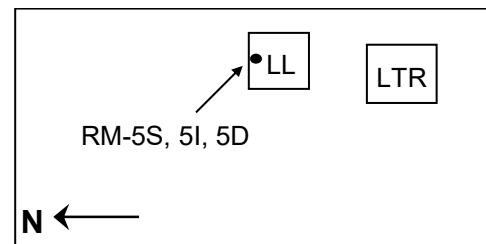
LL

LTR

N ←

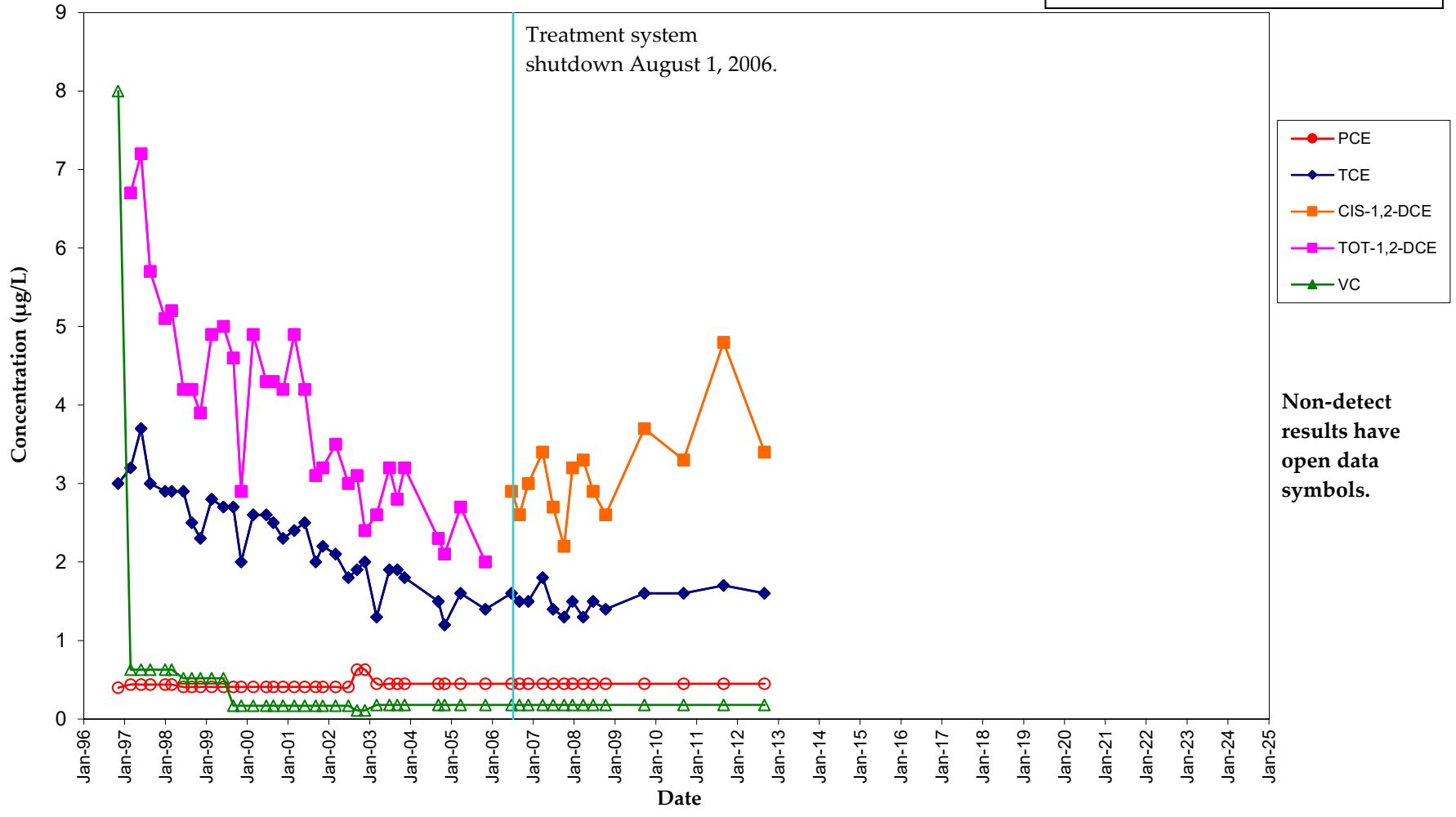
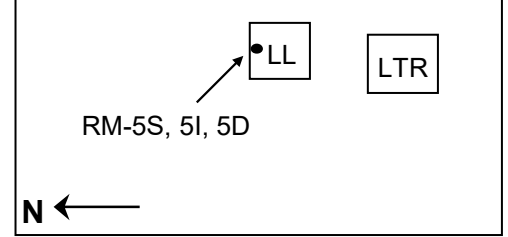


RM-005D VOC Concentration Trends Lemberger Landfill

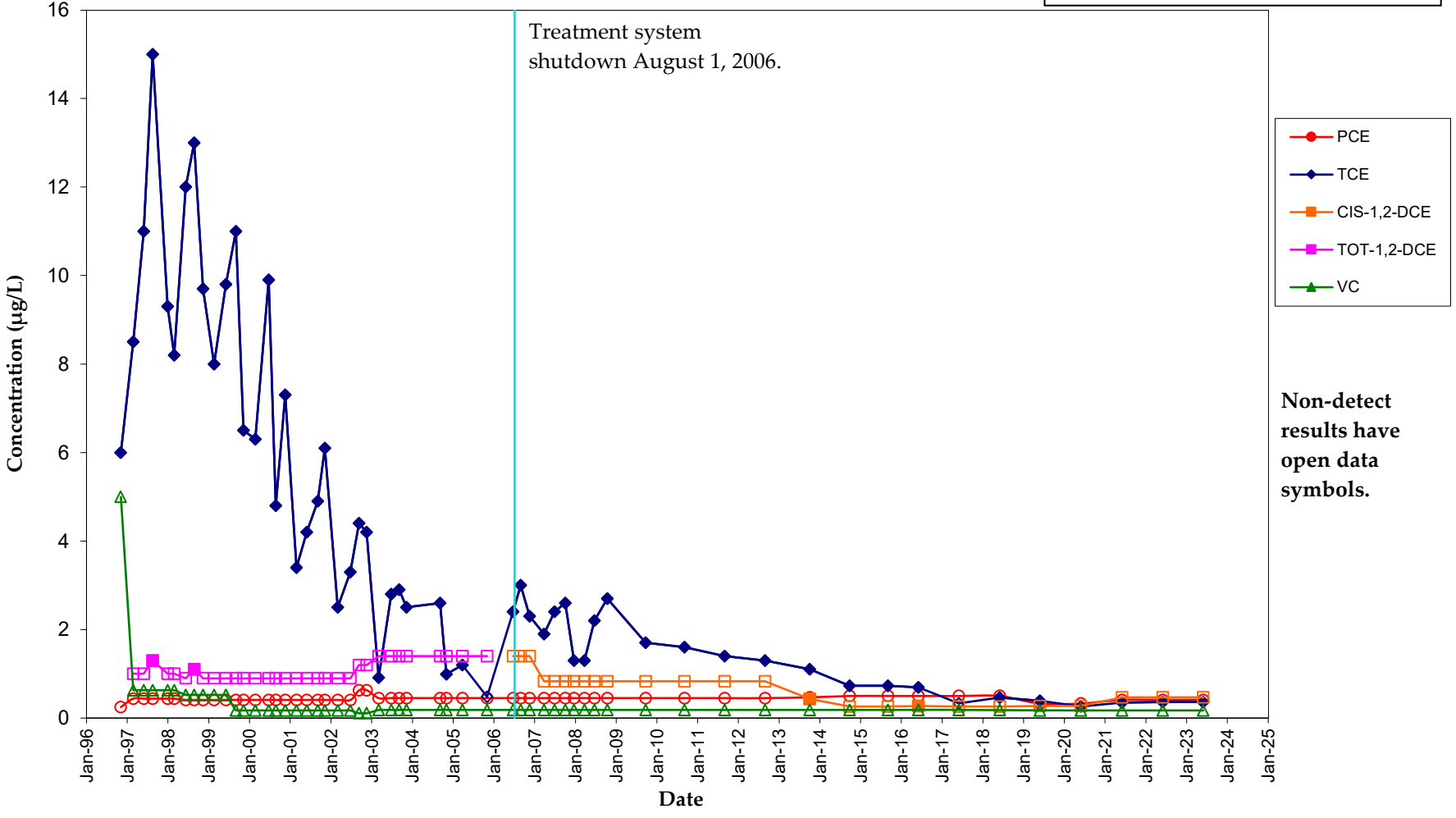
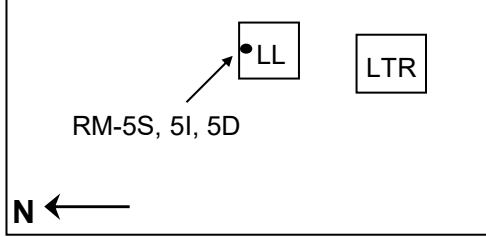


Non-detect results have open data symbols.

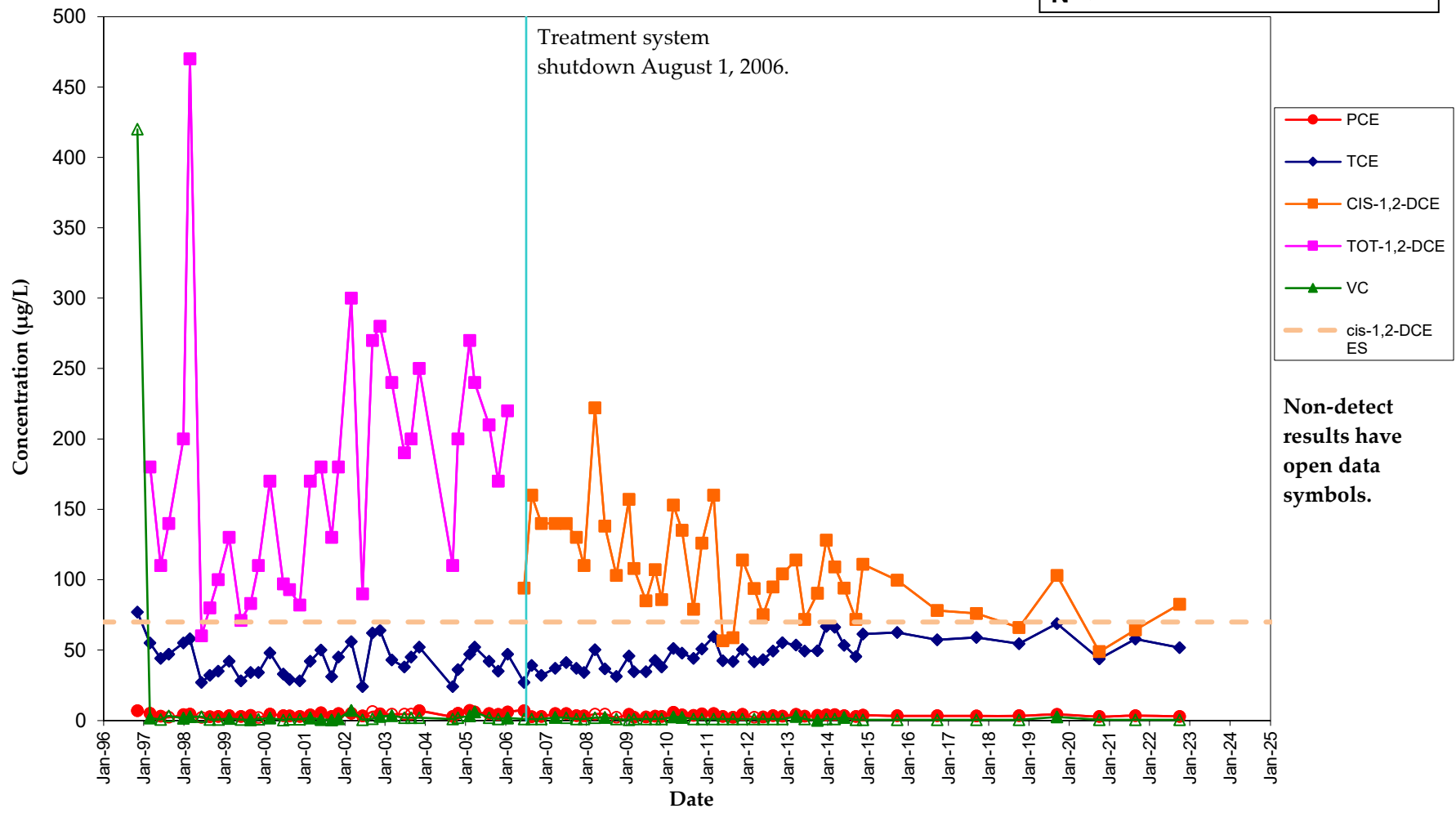
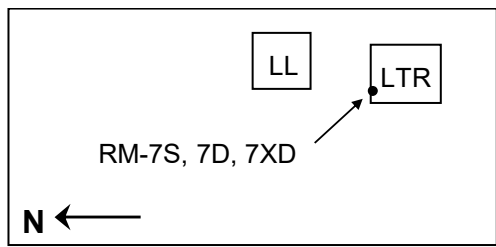
**RM-005I
VOC Concentration Trends
Lemberger Landfill**



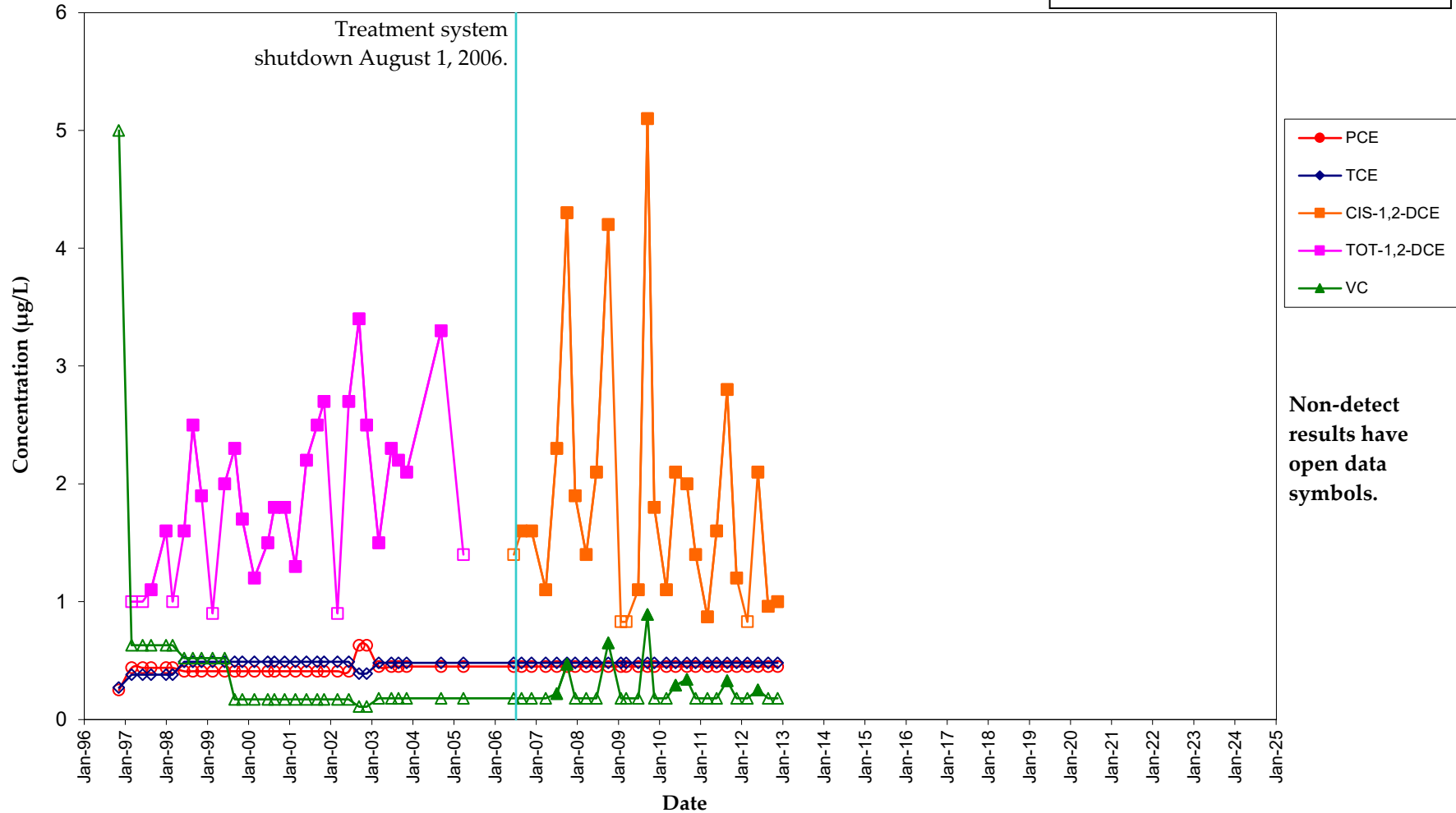
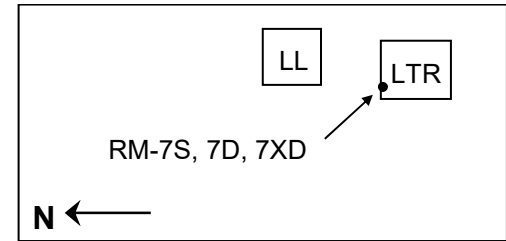
**RM-005S
VOC Concentration Trends
Lemberger Landfill**



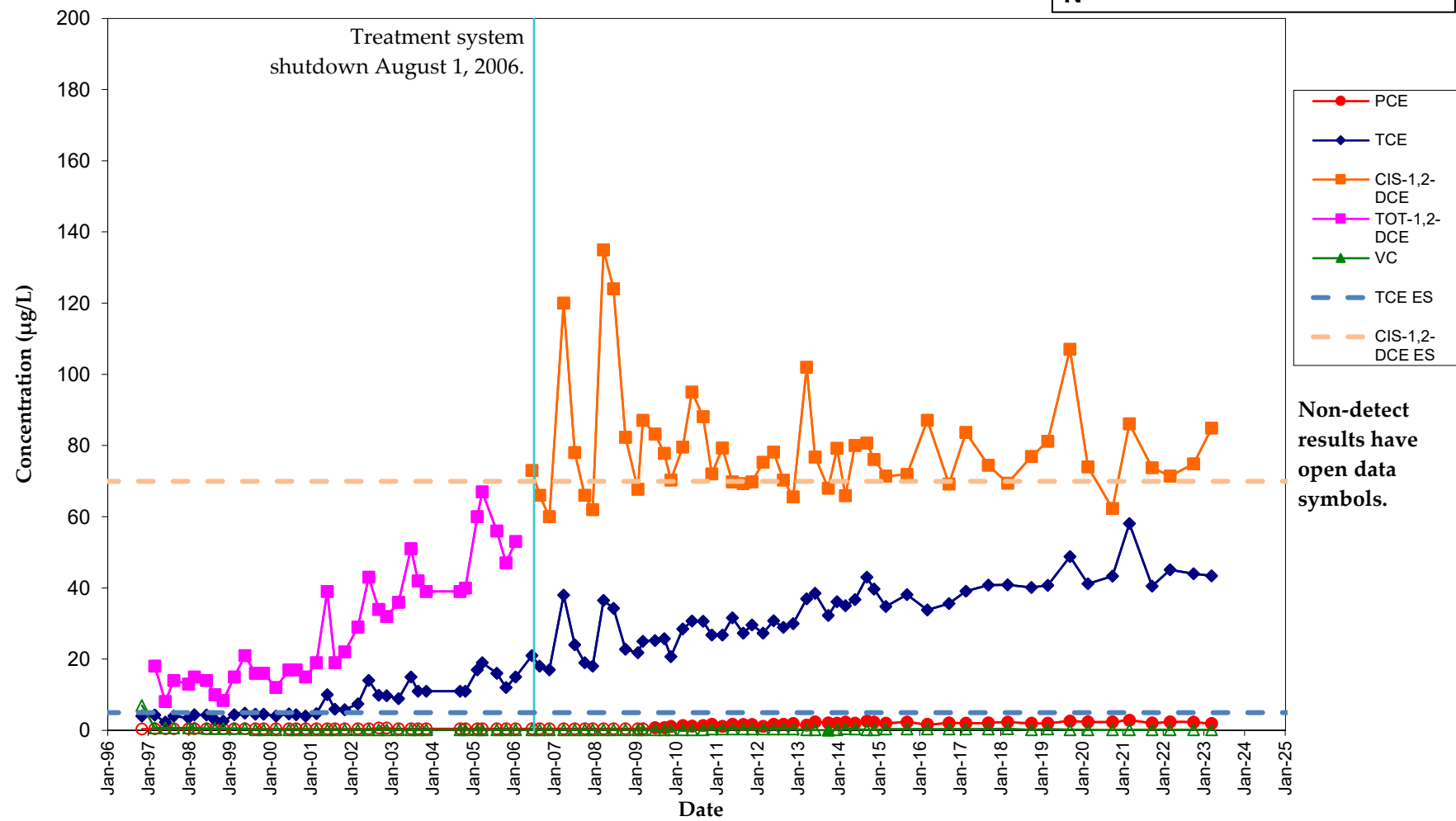
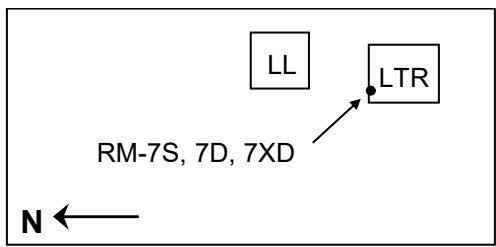
RM-007D VOC Concentration Trends Lemberger Landfill



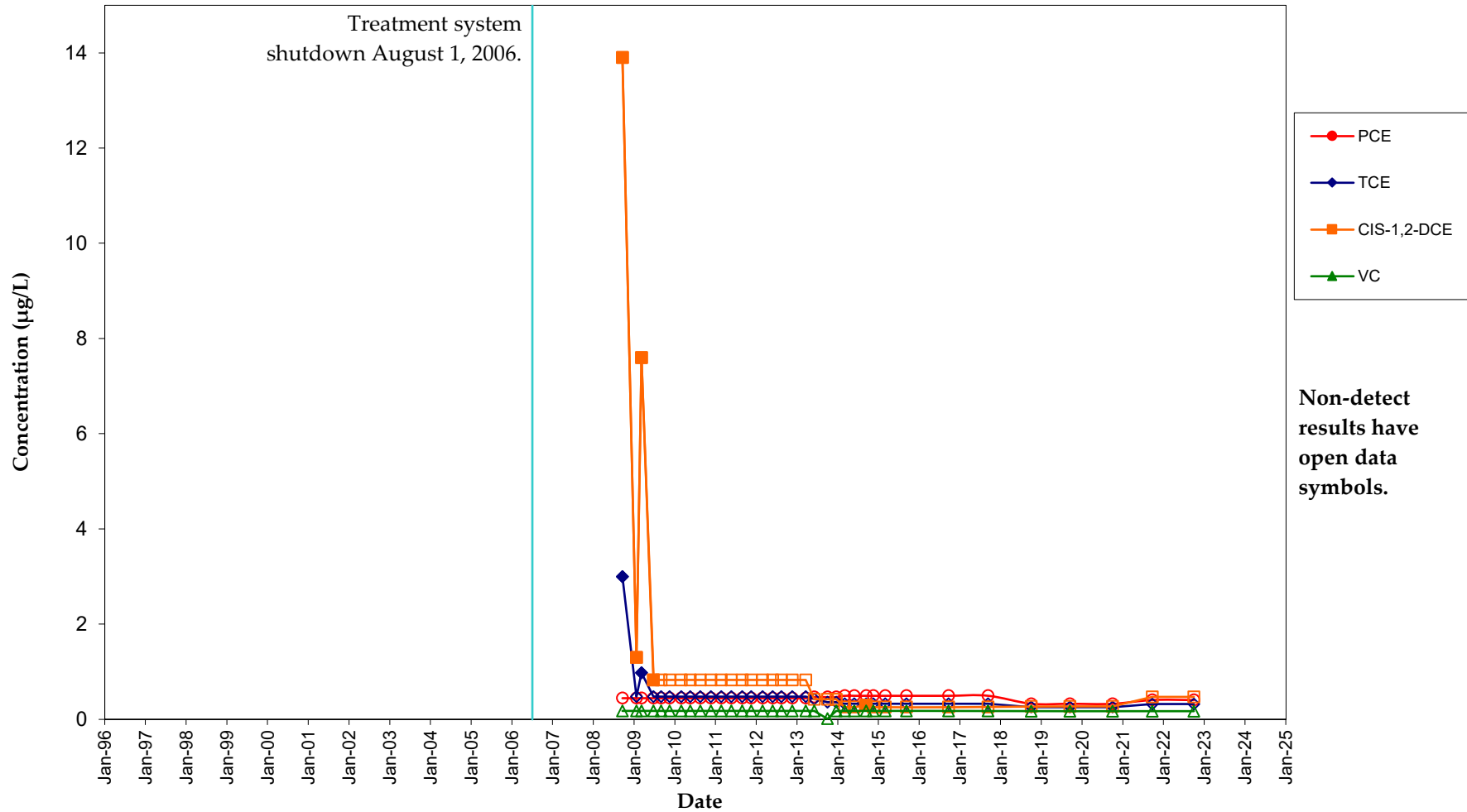
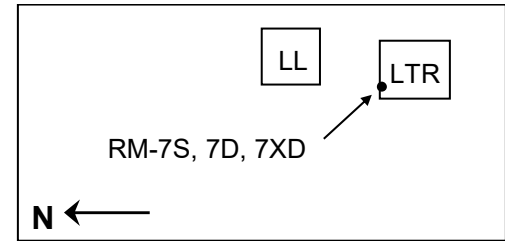
RM-007S VOC Concentration Trends Lemberger Landfill



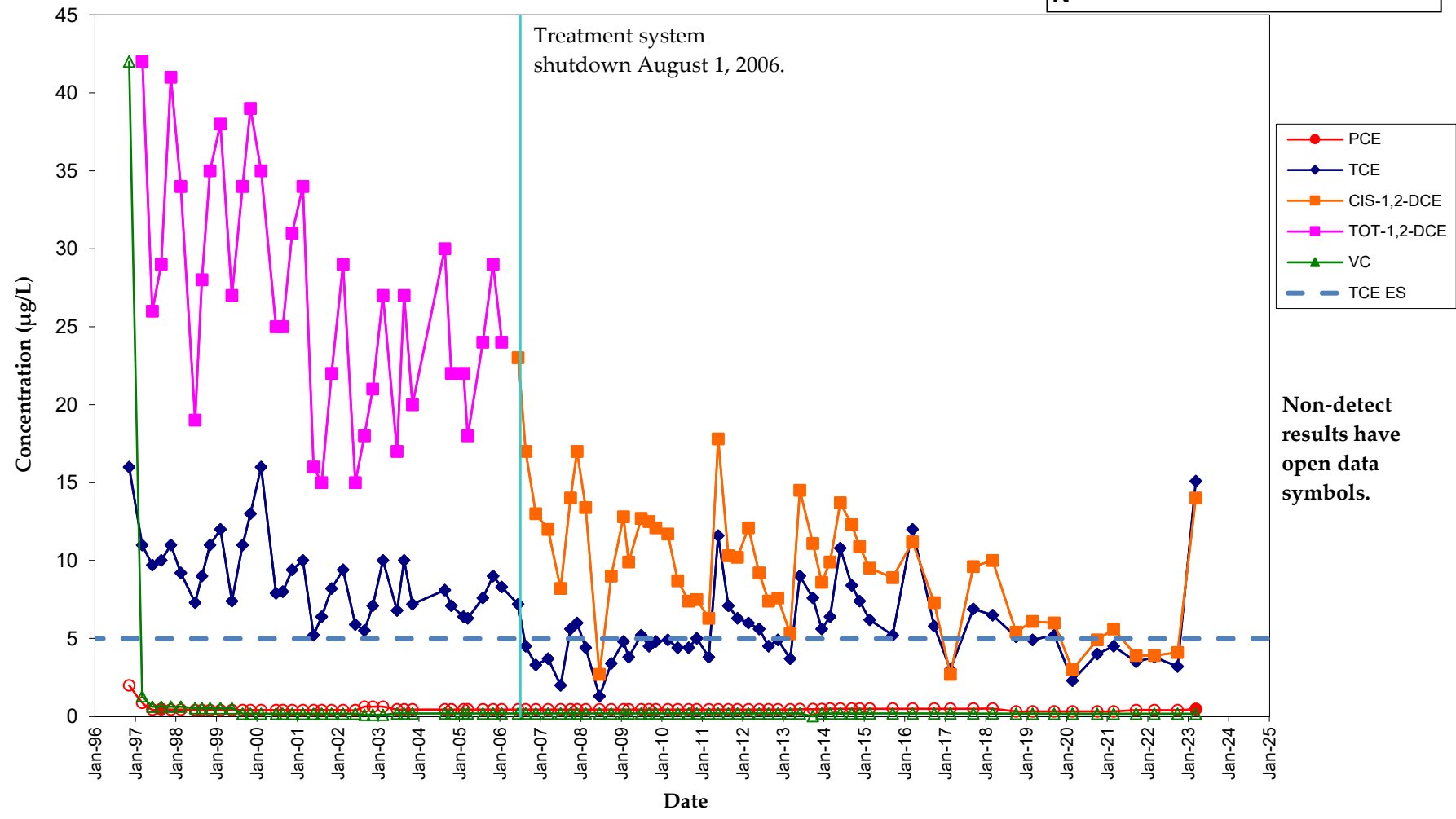
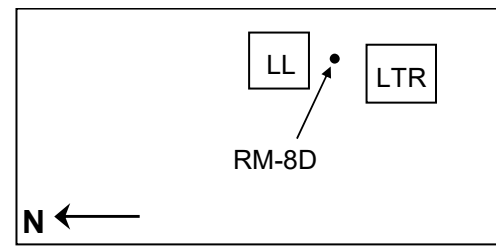
RM-007XD VOC Concentration Trends Lemberger Landfill



**RM-007XXD
VOC Concentration Trends
Lemberger Landfill**



RM-008D VOC Concentration Trends Lemberger Landfill



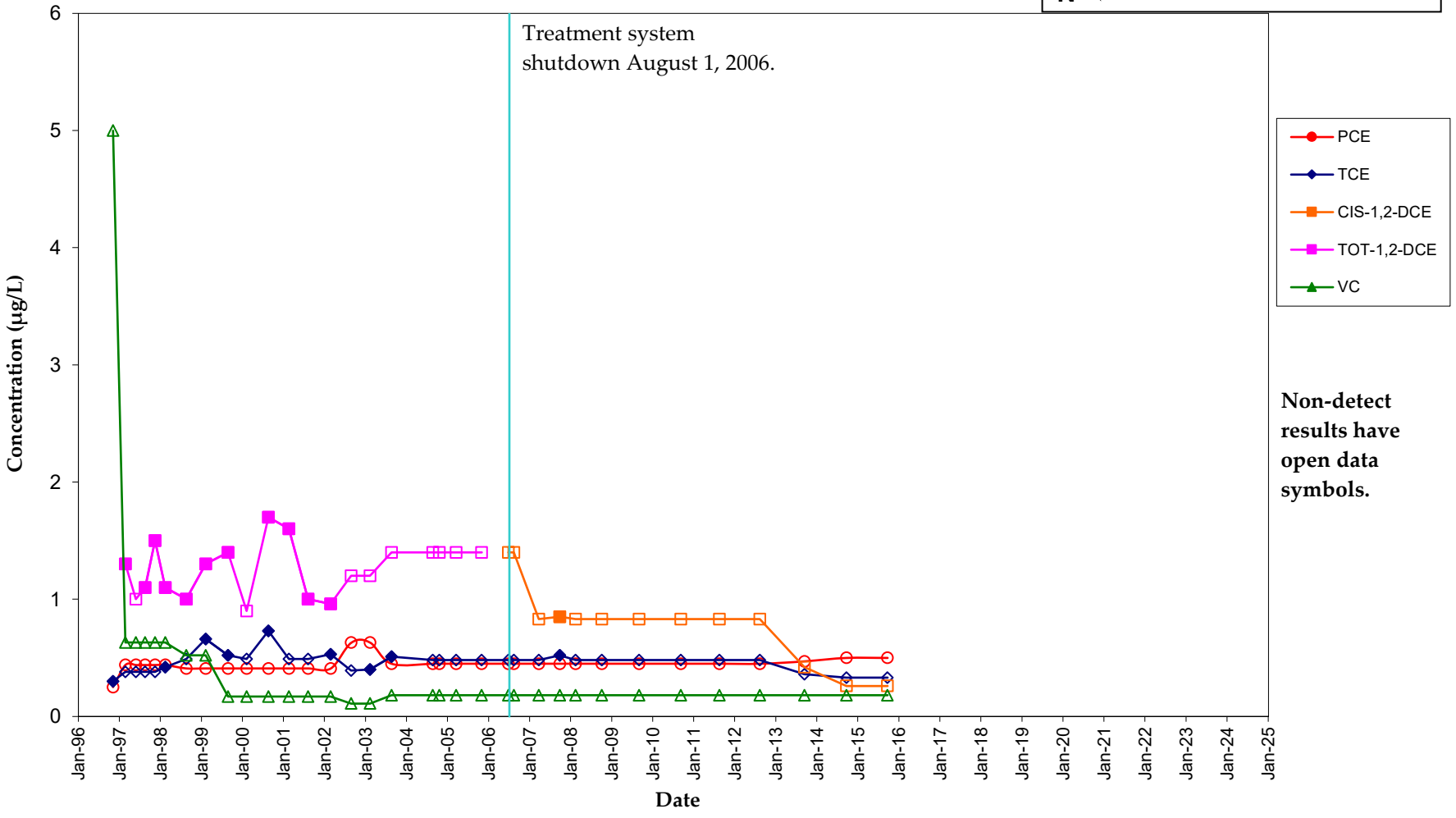
RM-010D VOC Concentration Trends Lemberger Landfill

• RM-10D

LL

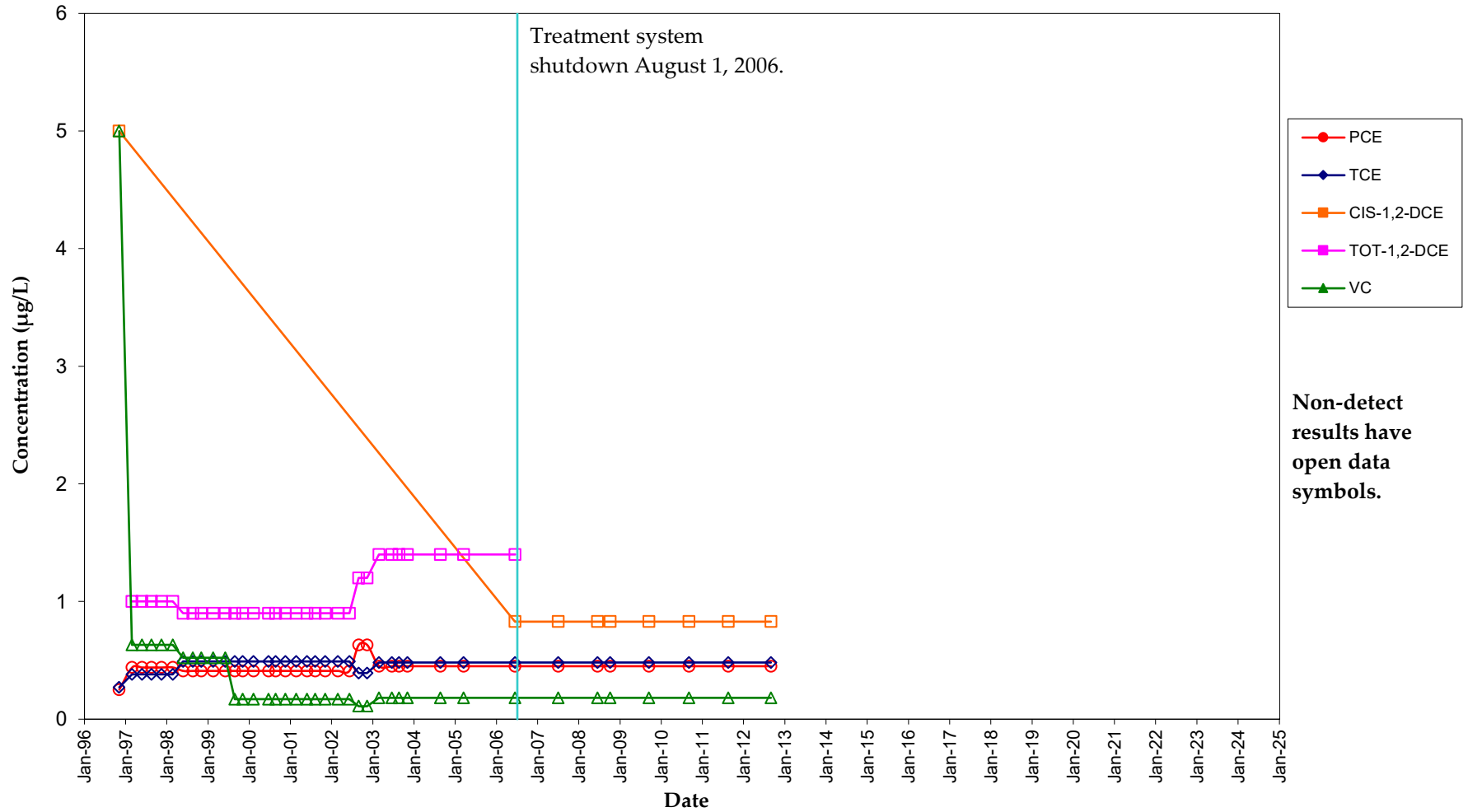
LTR

N ←



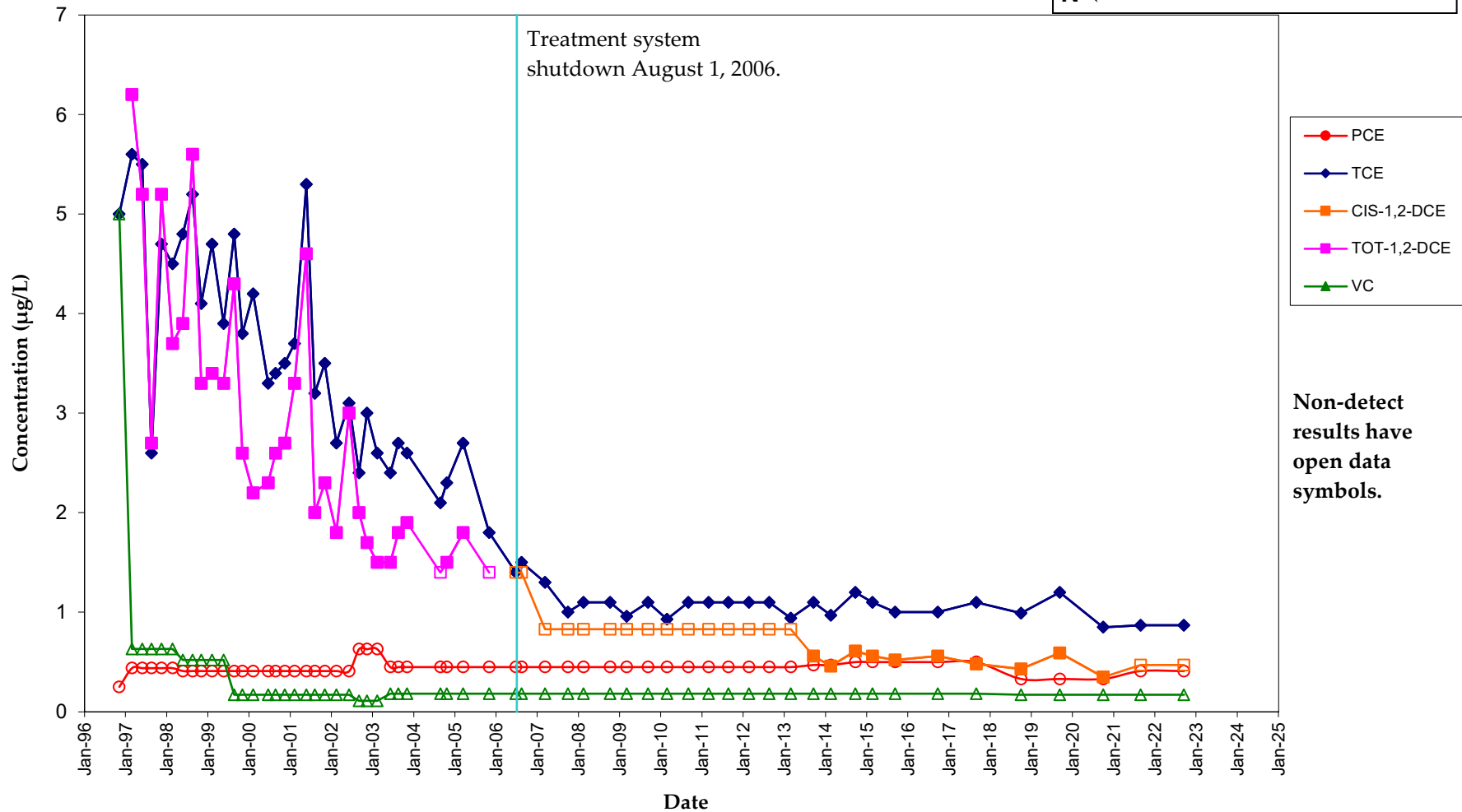
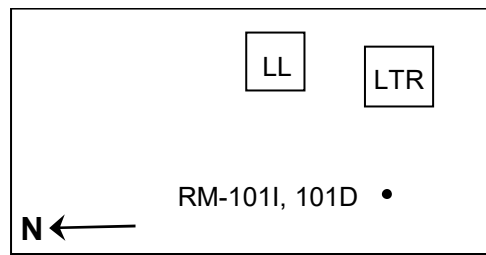
Non-detect results have open data symbols.

RM-011D VOC Concentration Trends Lemberger Landfill



**Non-detect
results have
open data
symbols.**

RM-101D VOC Concentration Trends Lemberger Landfill



Non-detect results have open data symbols.

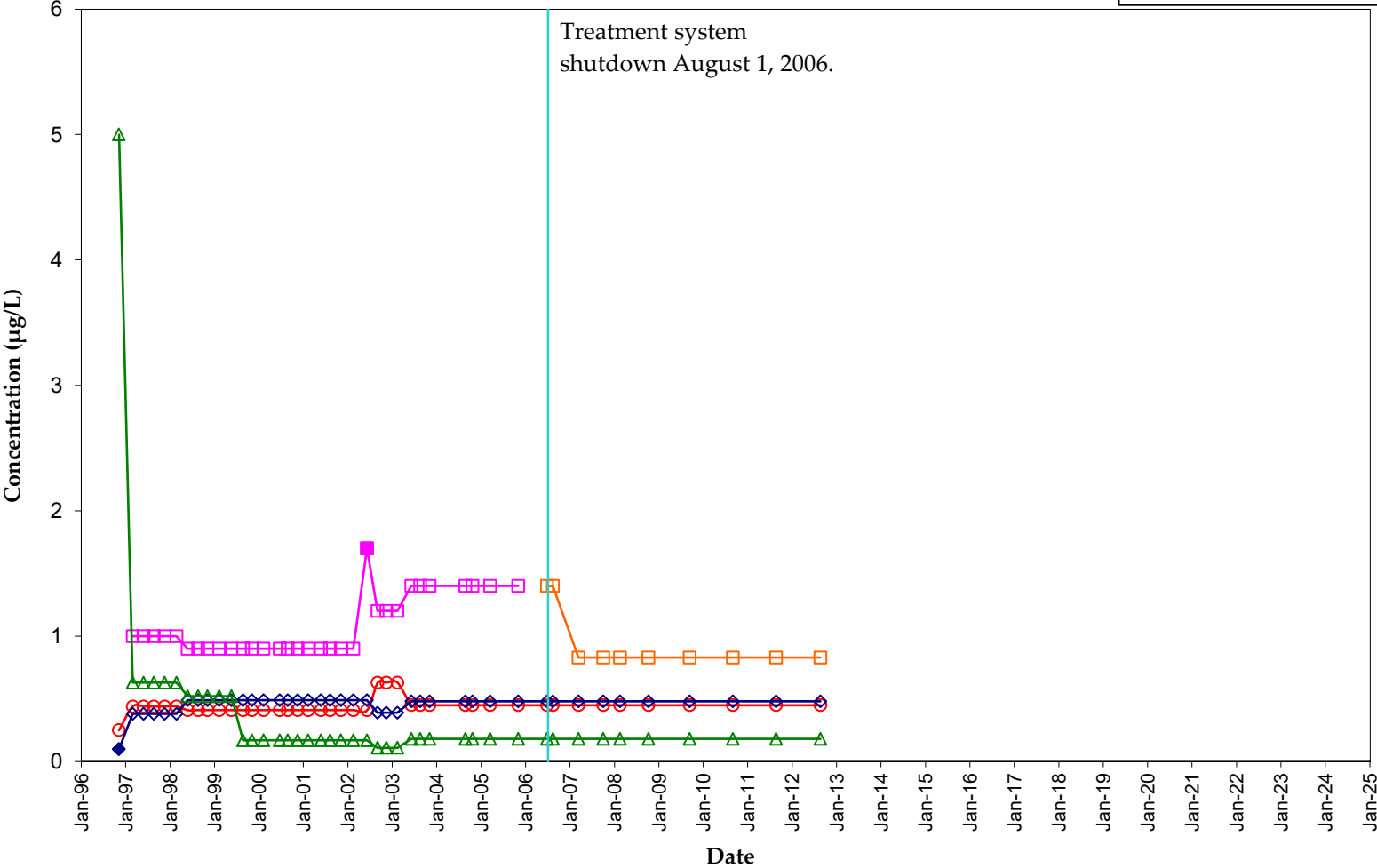
RM-101I VOC Concentration Trends Lemberger Landfill

LL

LTR

RM-101I, 101D •

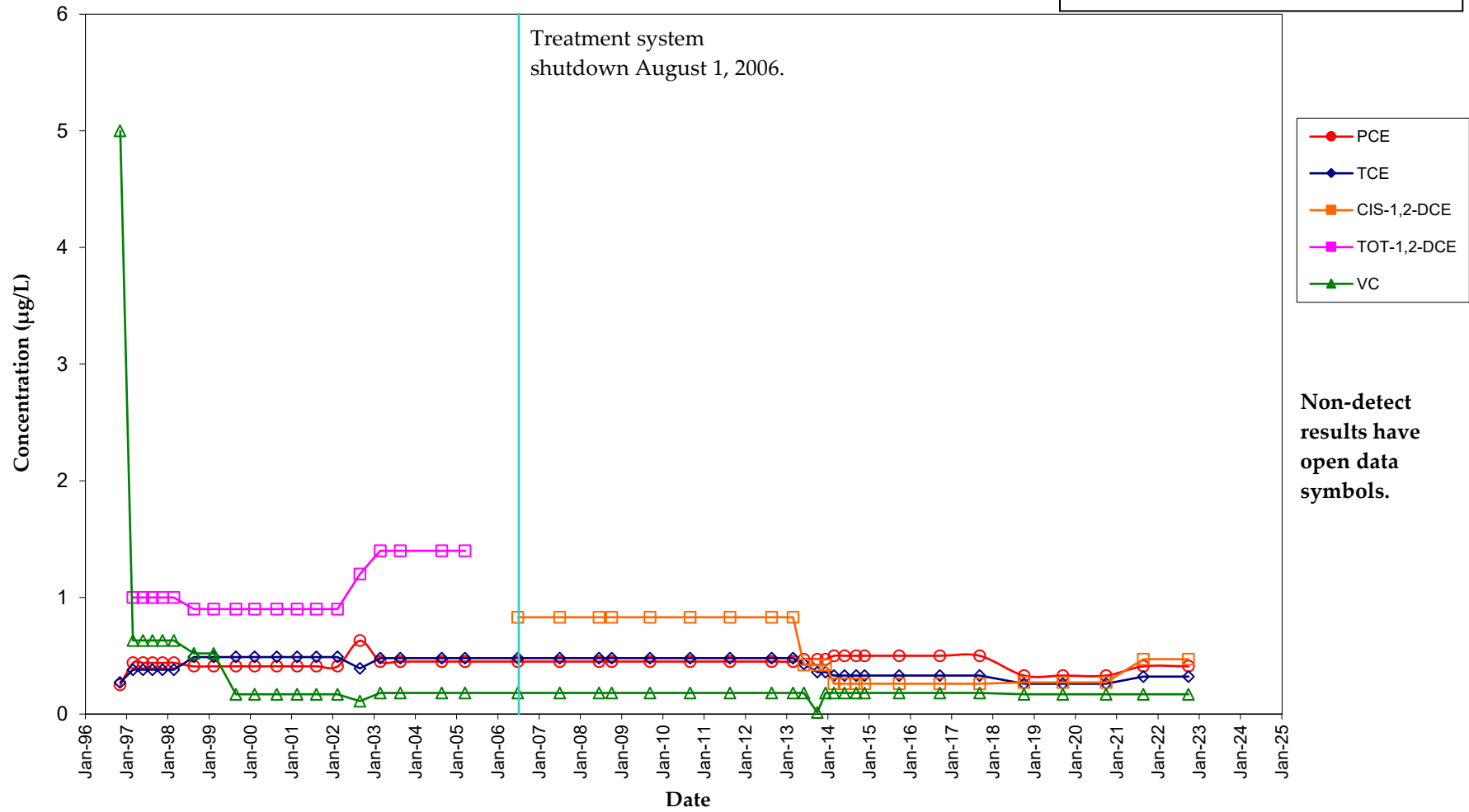
N ←



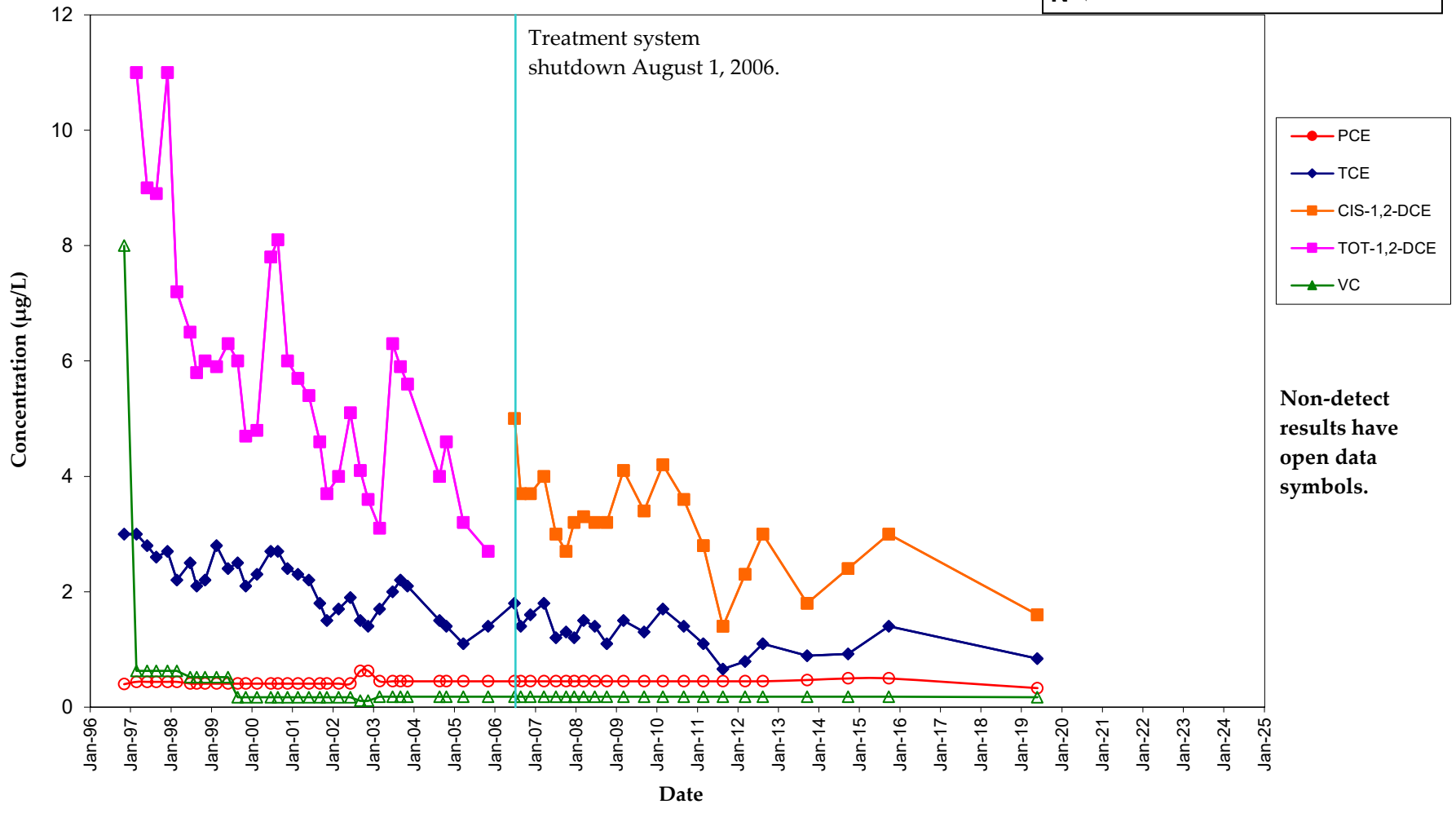
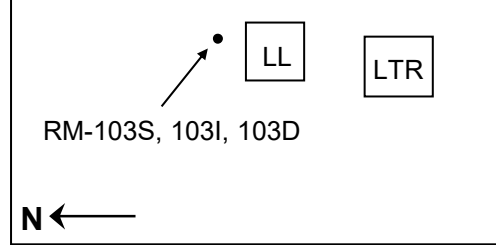
- PCE
- ◆ TCE
- CIS-1,2-DCE
- TOT-1,2-DCE
- ▲ VC

Non-detect results have open data symbols.

RM-102D VOC Concentration Trends Lemberger Landfill

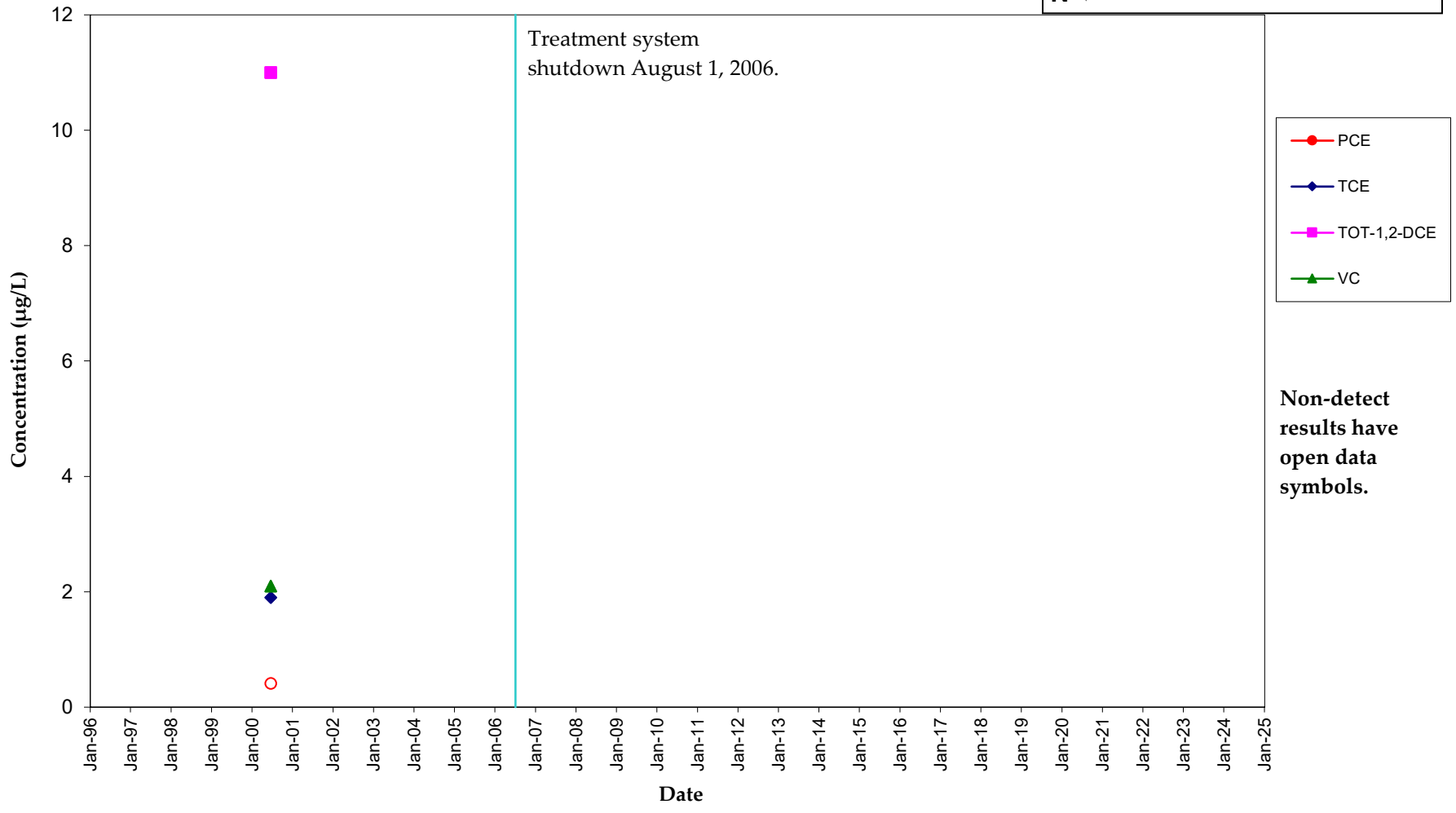
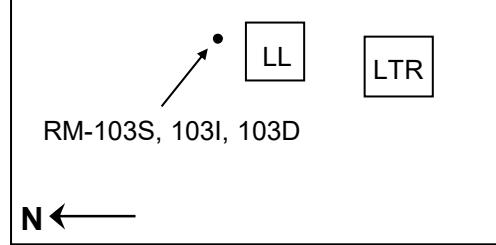


RM-103D VOC Concentration Trends Lemberger Landfill

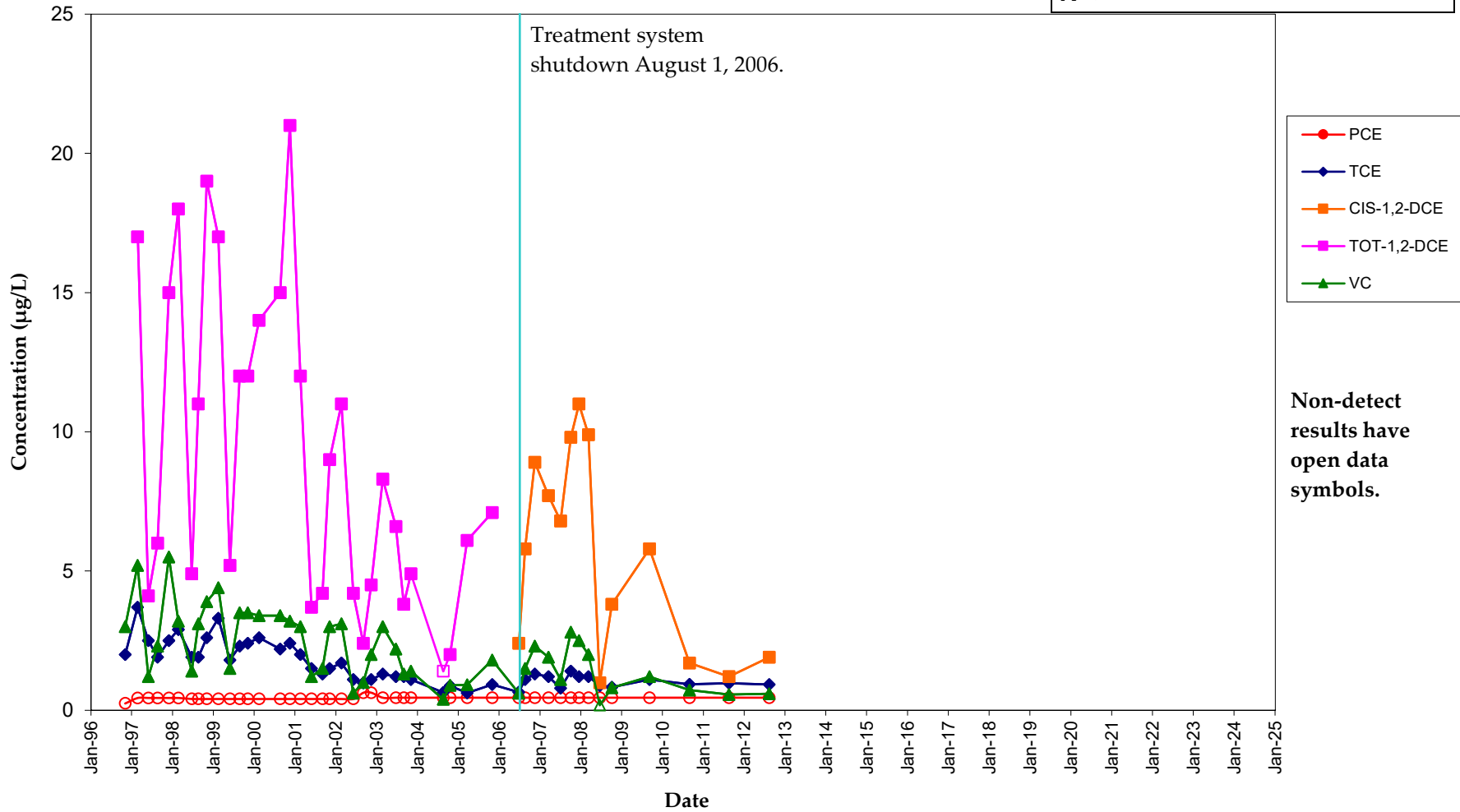
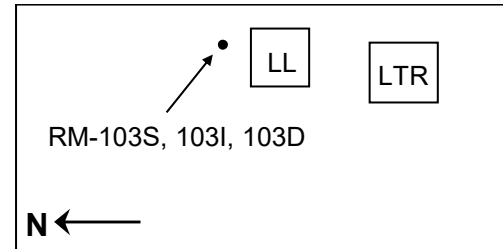


Non-detect results have open data symbols.

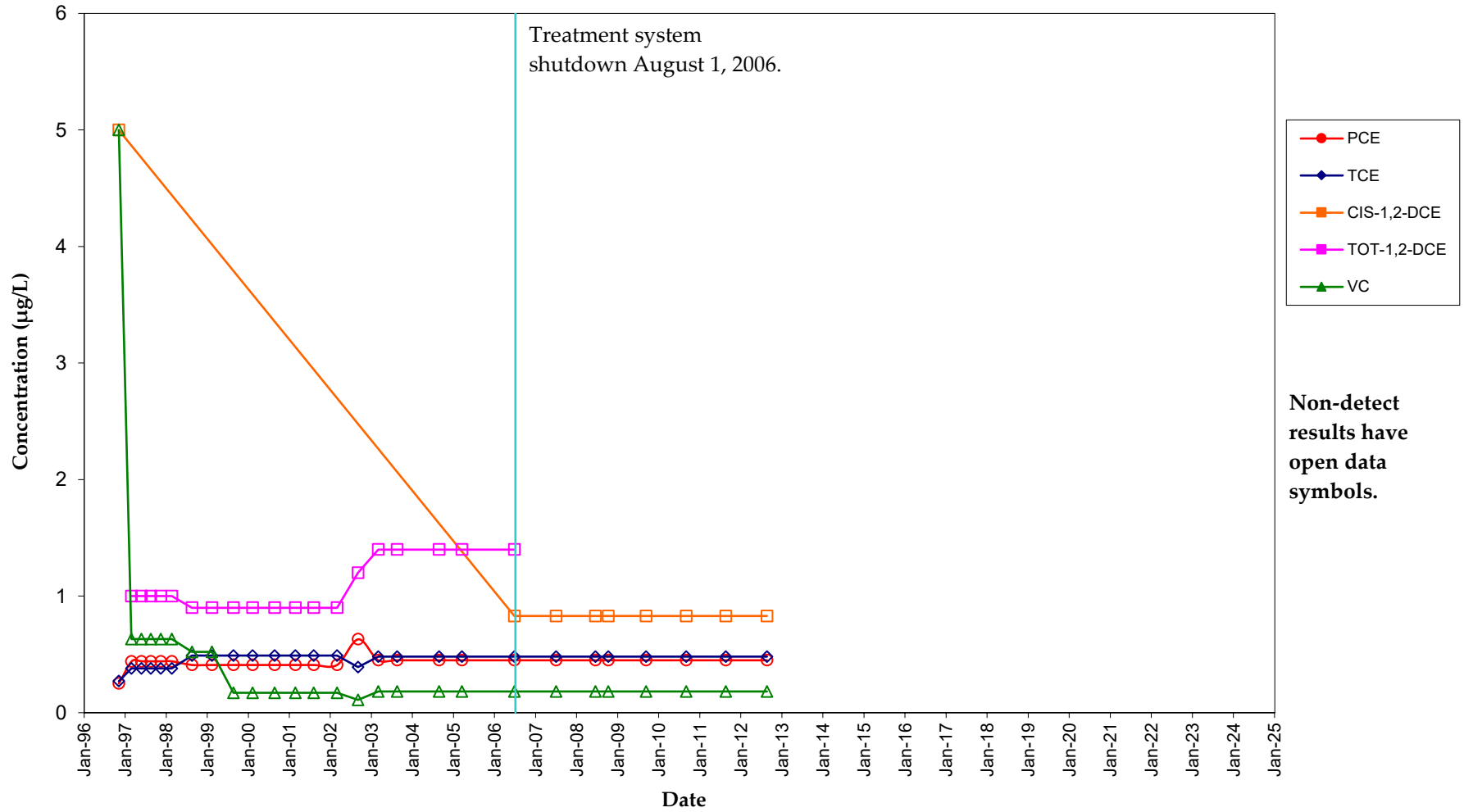
RM-103I VOC Concentration Trends Lemberger Landfill



RM-103S VOC Concentration Trends Lemberger Landfill

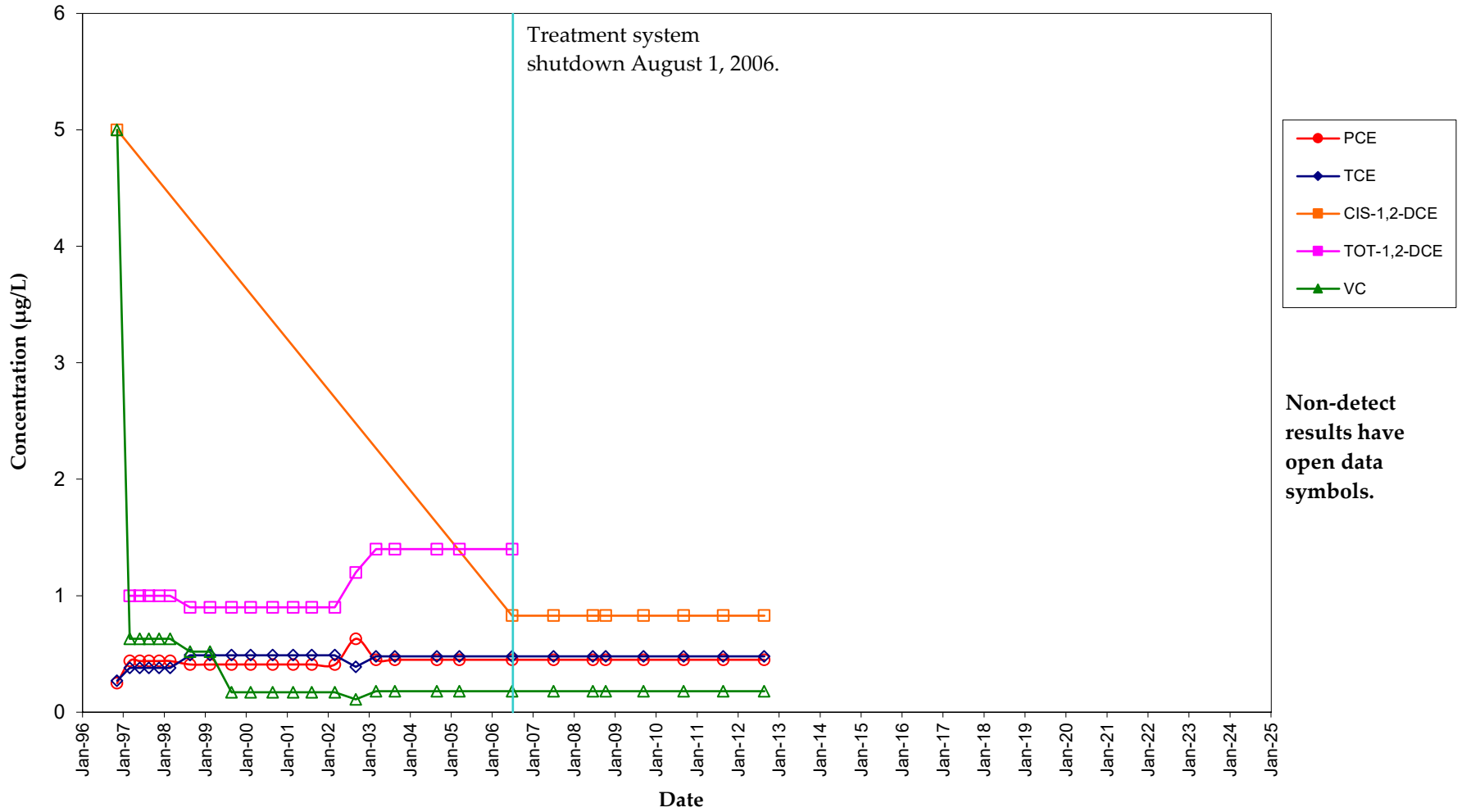


RM-201D VOC Concentration Trends Lemberger Landfill



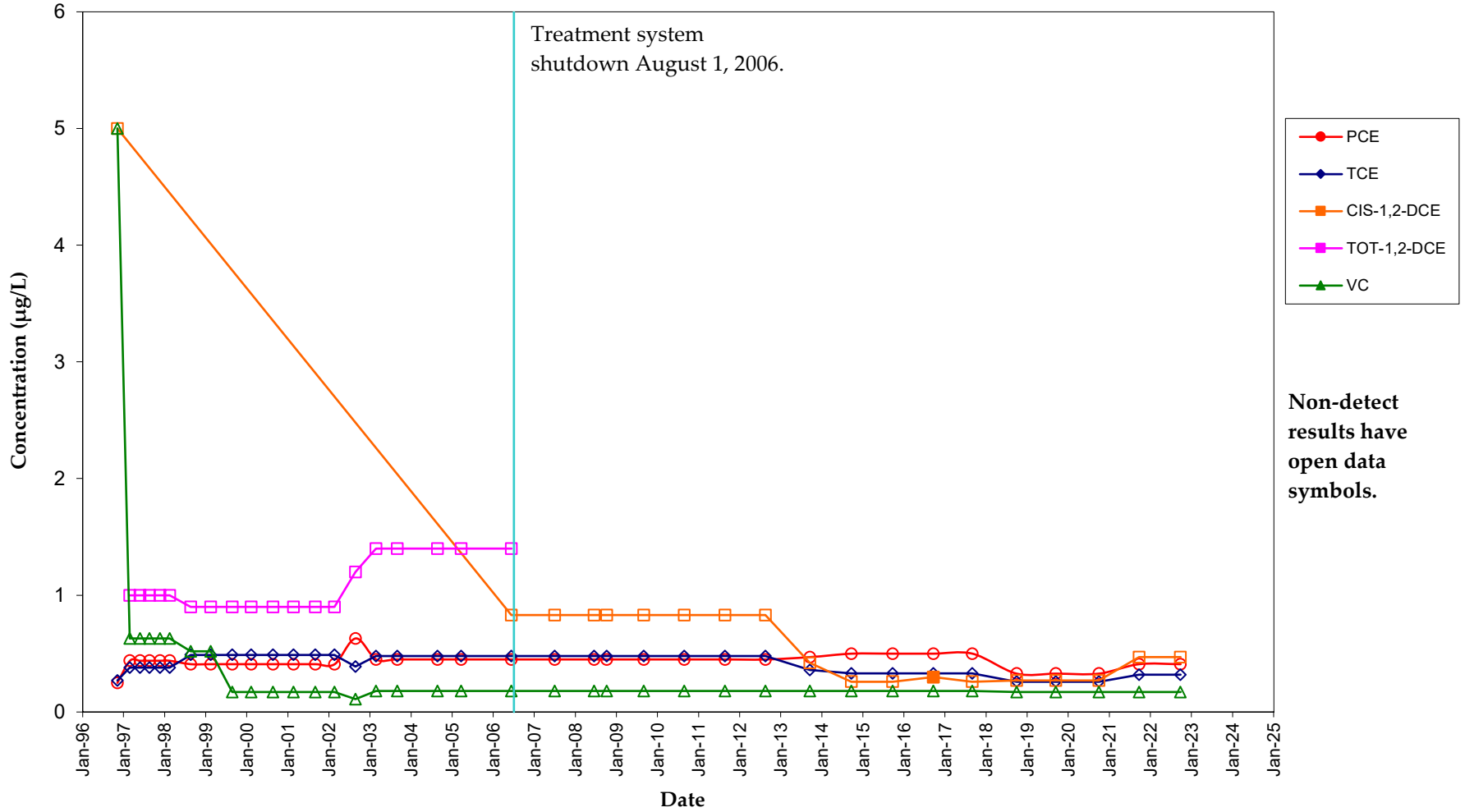
Non-detect results have open data symbols.

RM-201I VOC Concentration Trends Lemberger Landfill



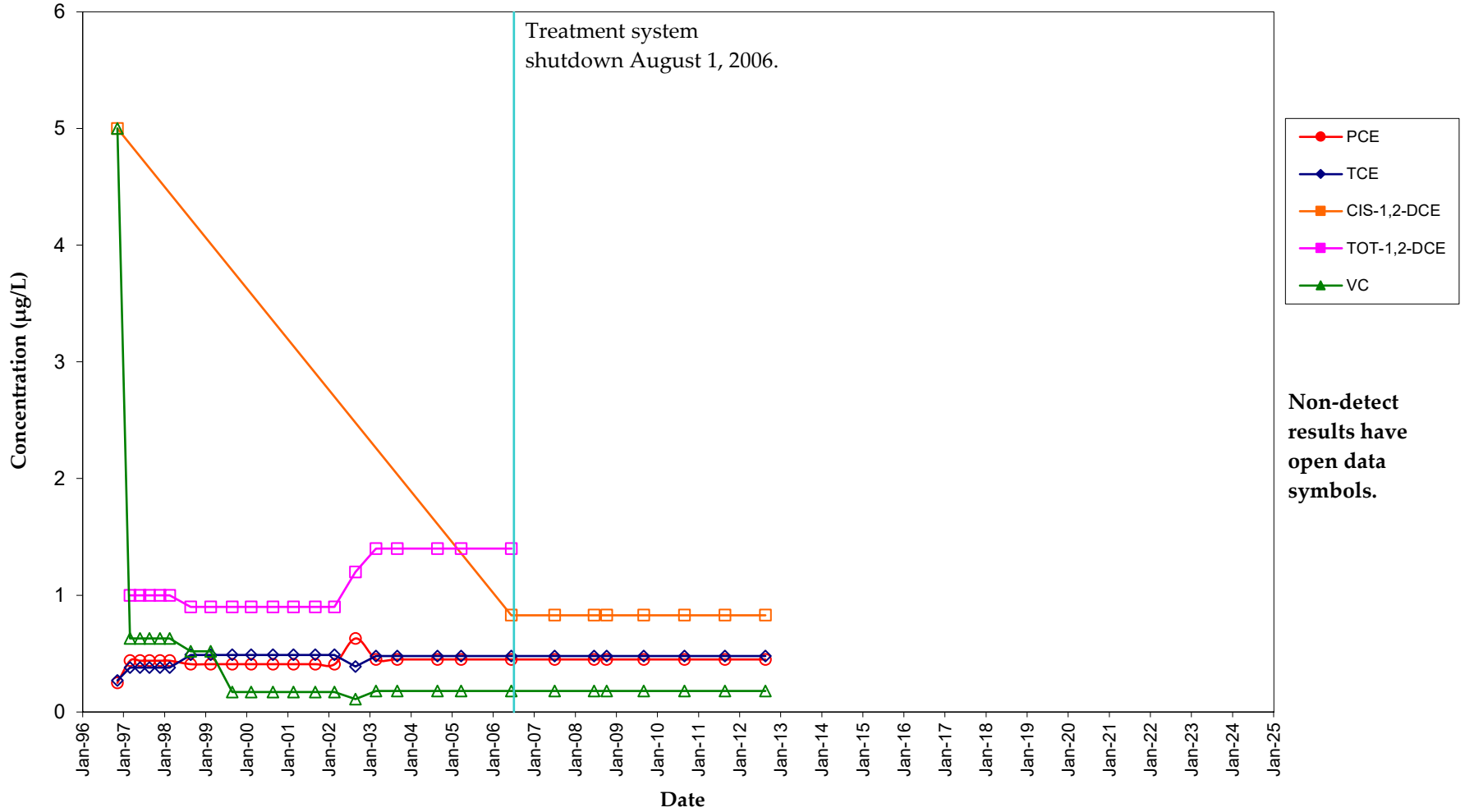
Non-detect results have open data symbols.

RM-202D VOC Concentration Trends Lemberger Landfill



Non-detect results have open data symbols.

RM-202I VOC Concentration Trends Lemberger Landfill



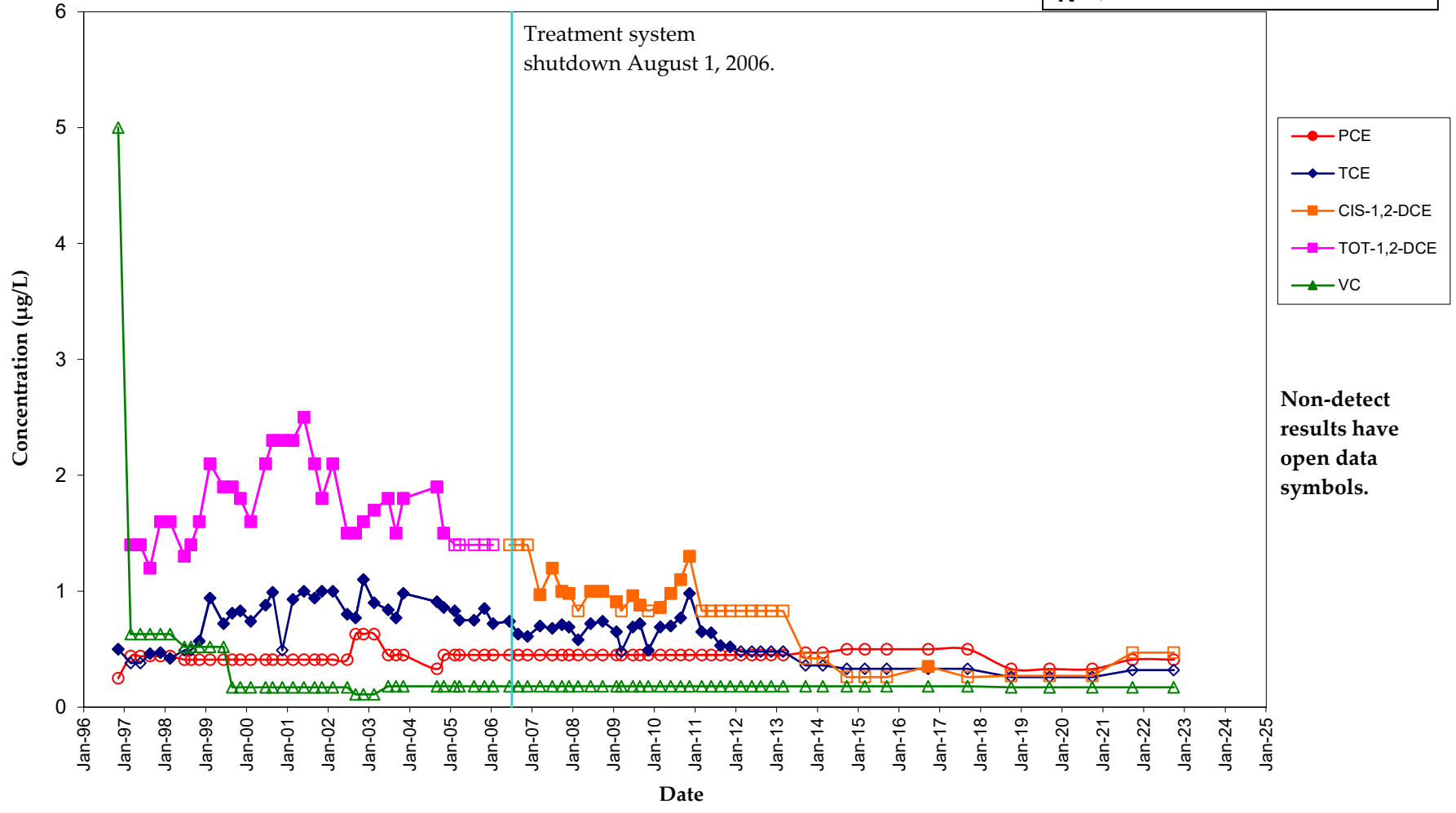
RM-203D VOC Concentration Trends Lemberger Landfill

LL

LTR

● RM-203I, 203D

N ←

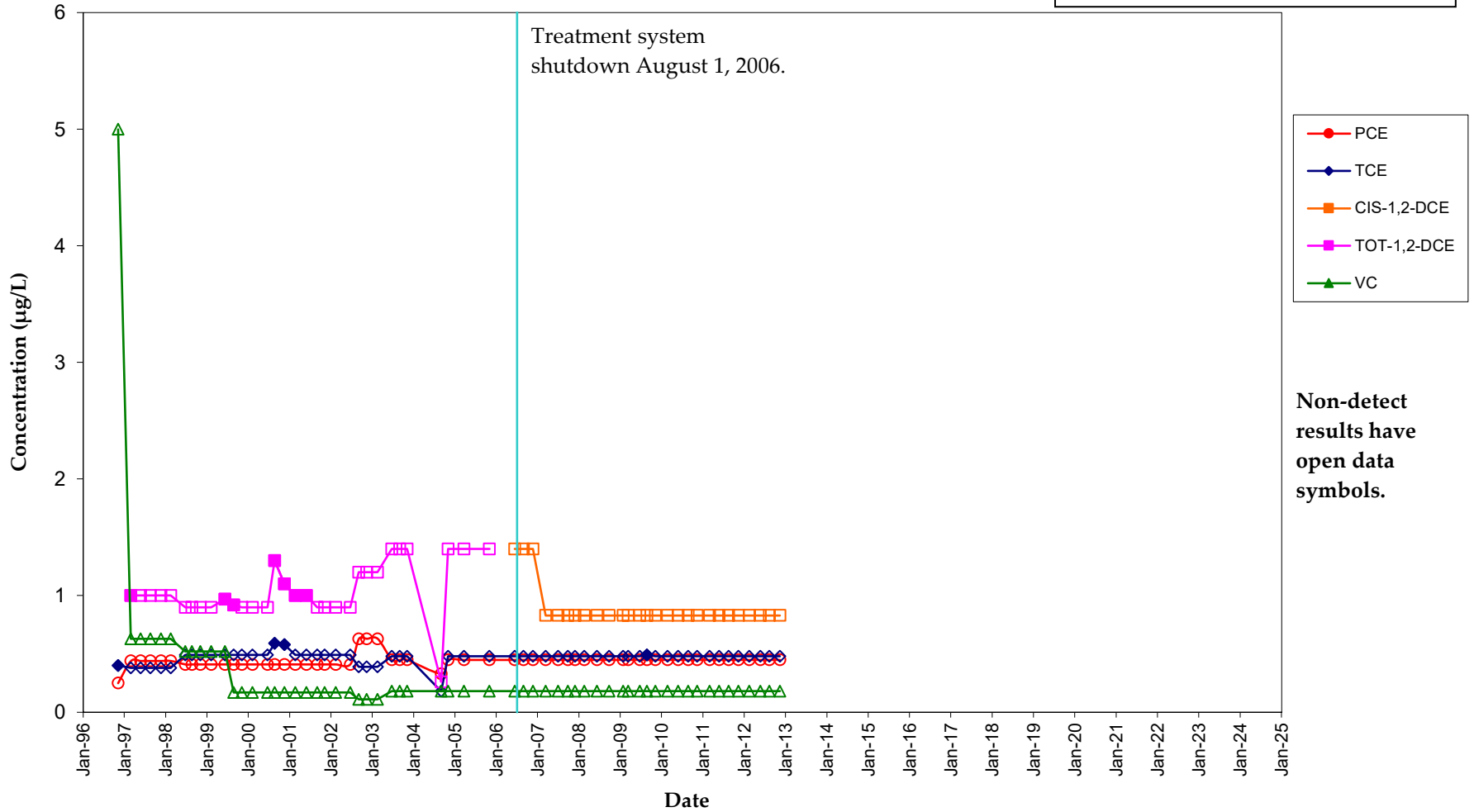


**RM-203I
VOC Concentration Trends
Lemberger Landfill**

LL
LTR

● RM-203I, 203D

N ←

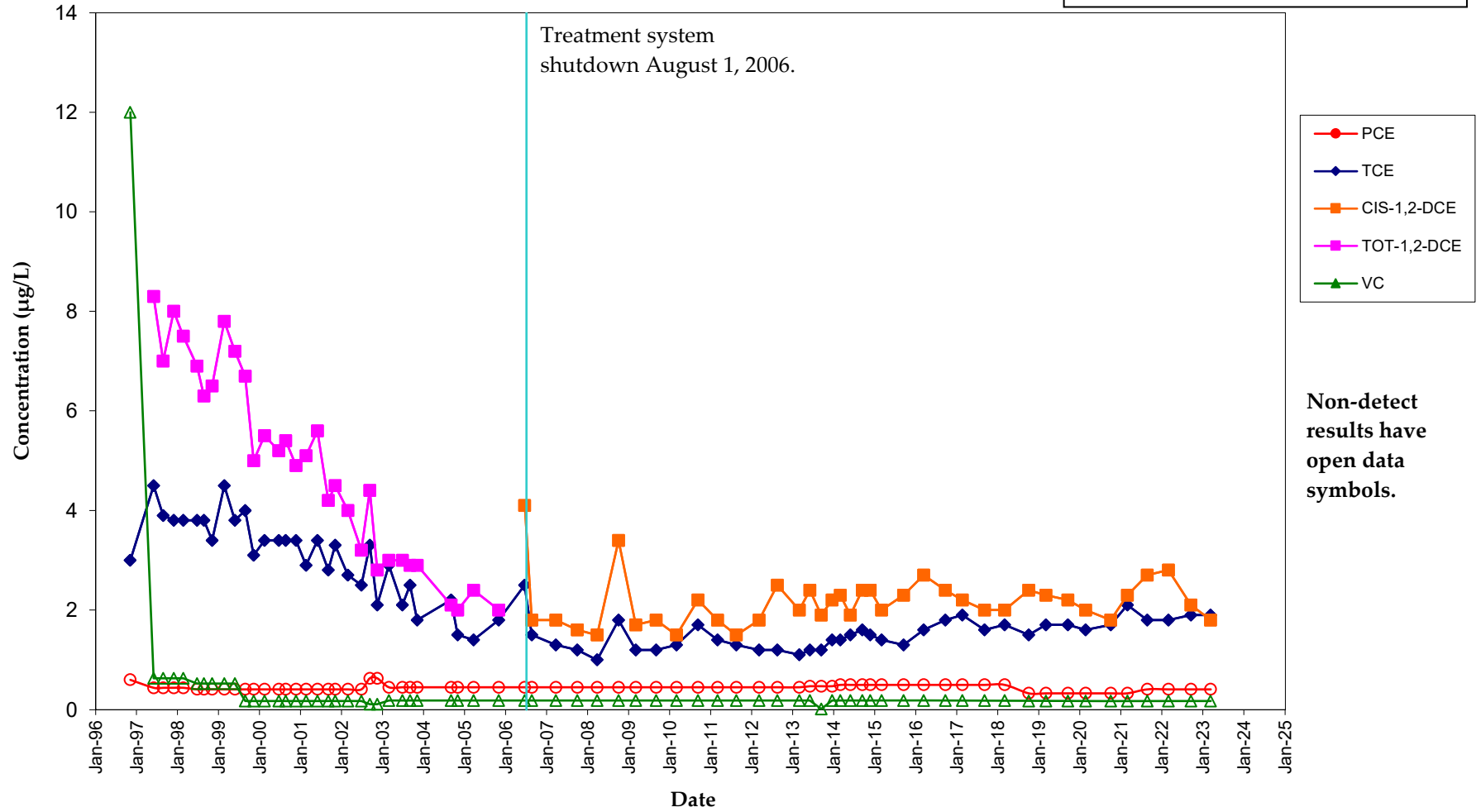


RM-204D VOC Concentration Trends Lemberger Landfill

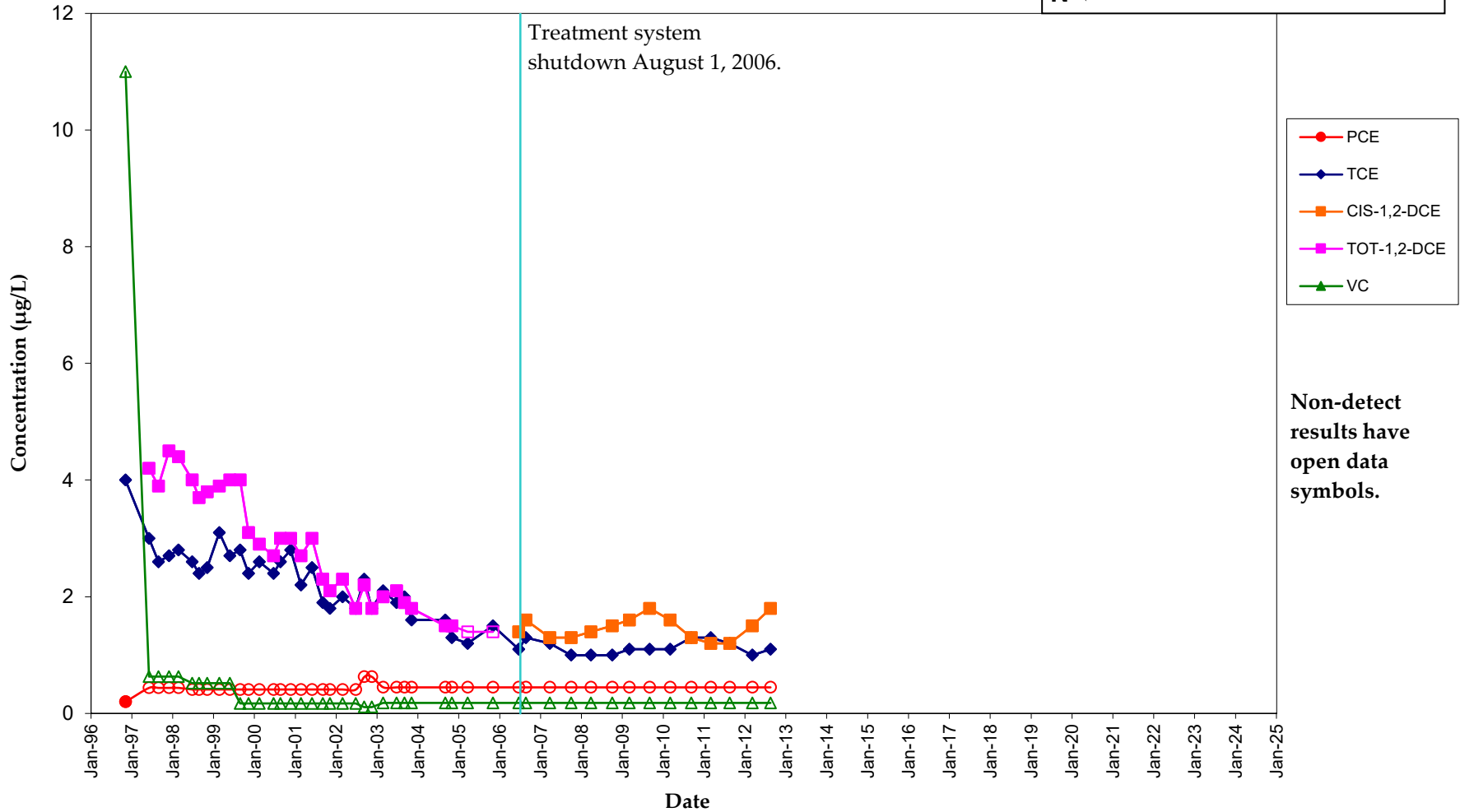
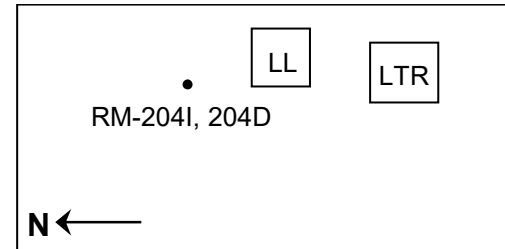
● LL □ LTR

RM-204I, 204D

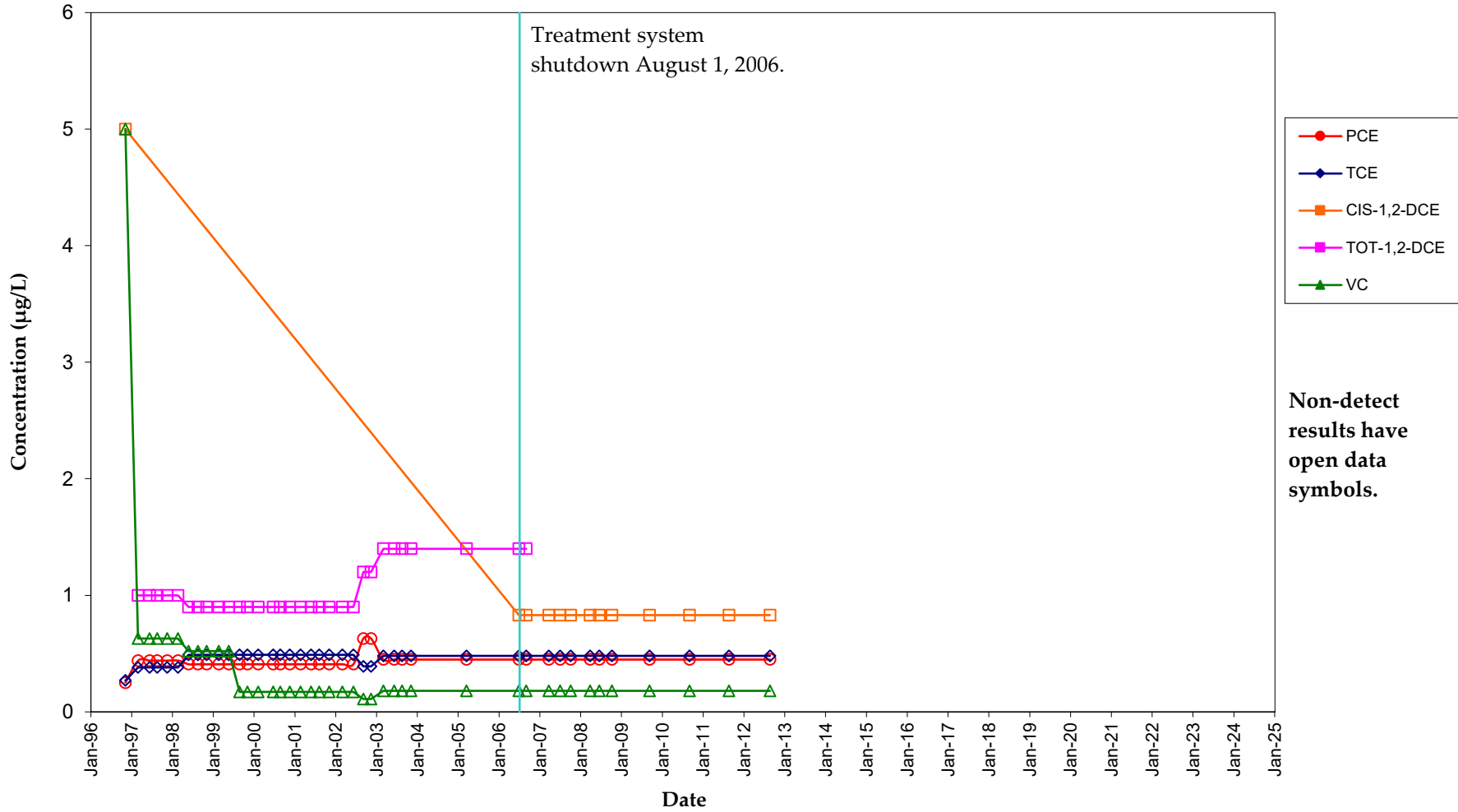
N ←



RM-204I VOC Concentration Trends Lemberger Landfill

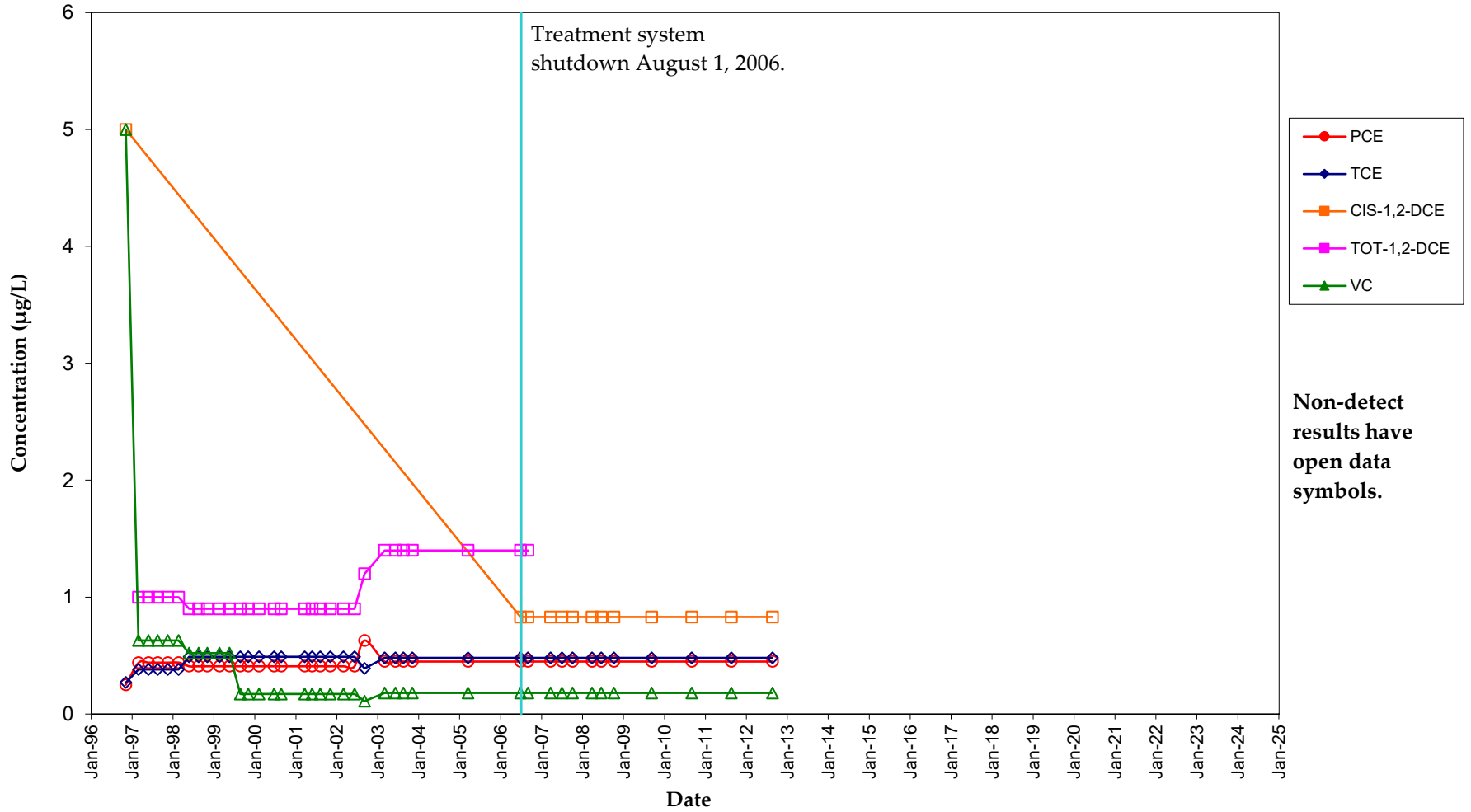


RM-205D VOC Concentration Trends Lemberger Landfill



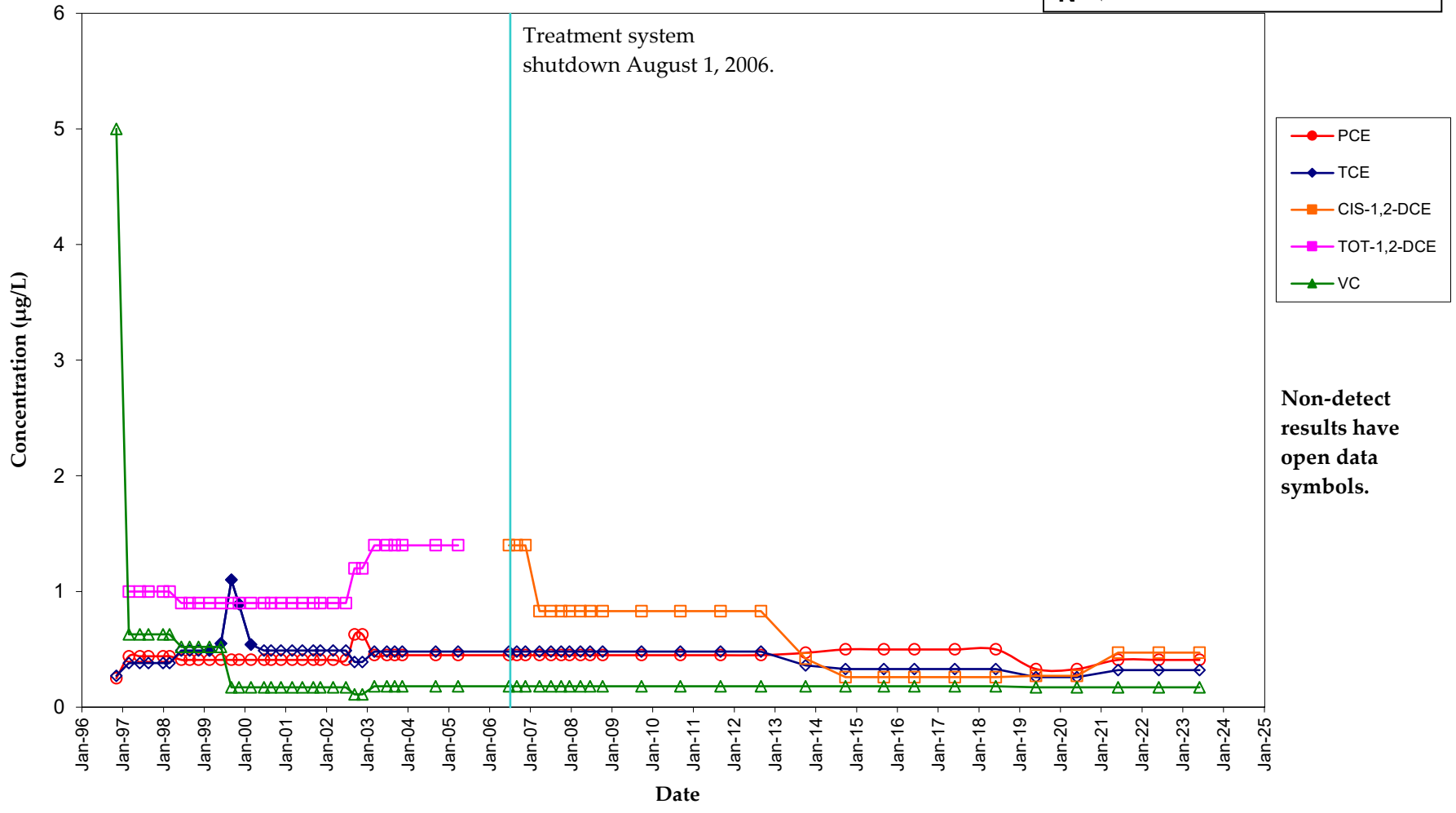
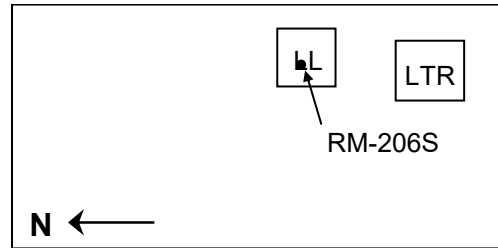
Non-detect results have open data symbols.

RM-205I VOC Concentration Trends Lemberger Landfill



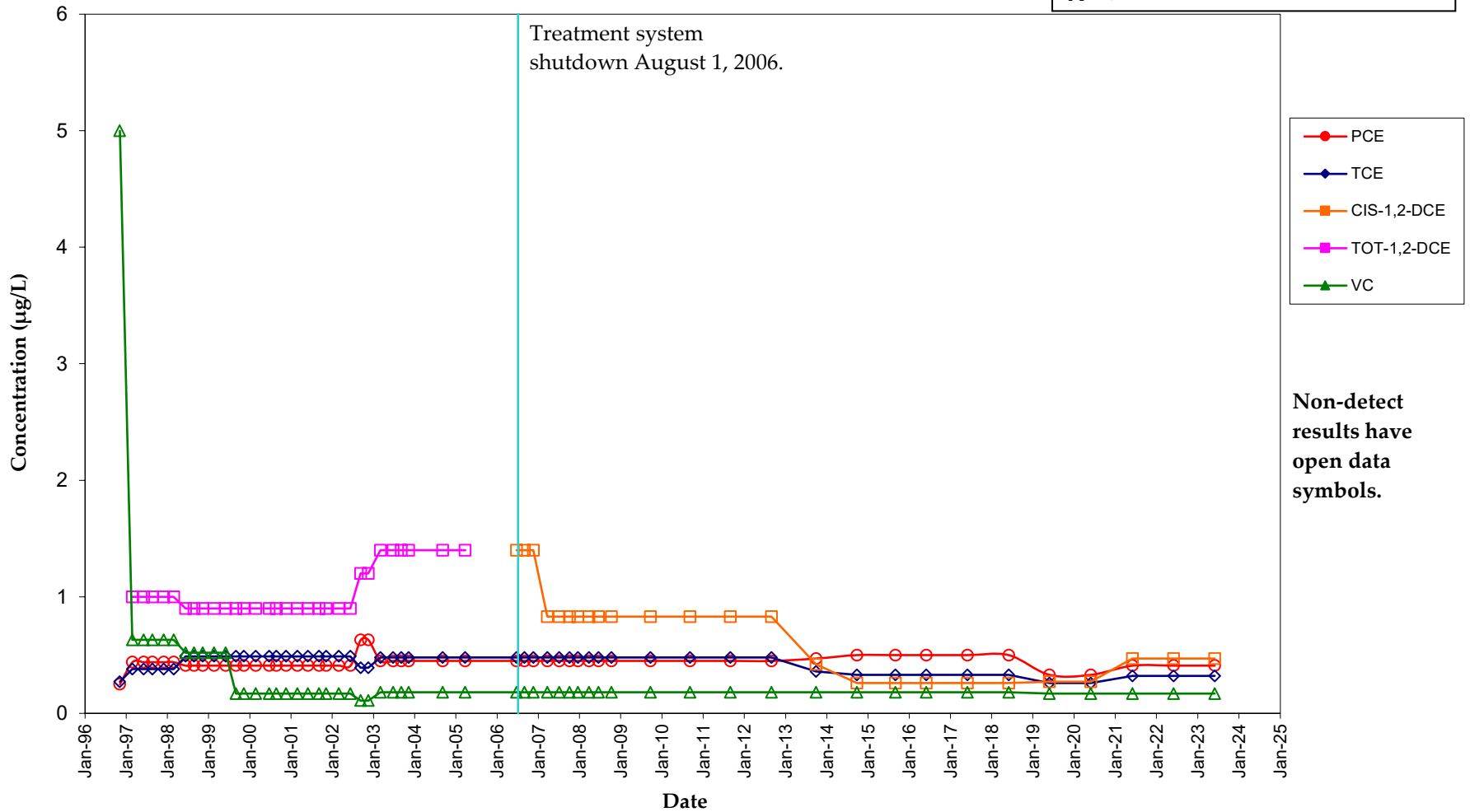
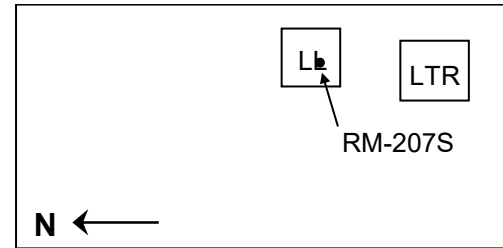
Non-detect results have open data symbols.

RM-206S VOC Concentration Trends Lemberger Landfill

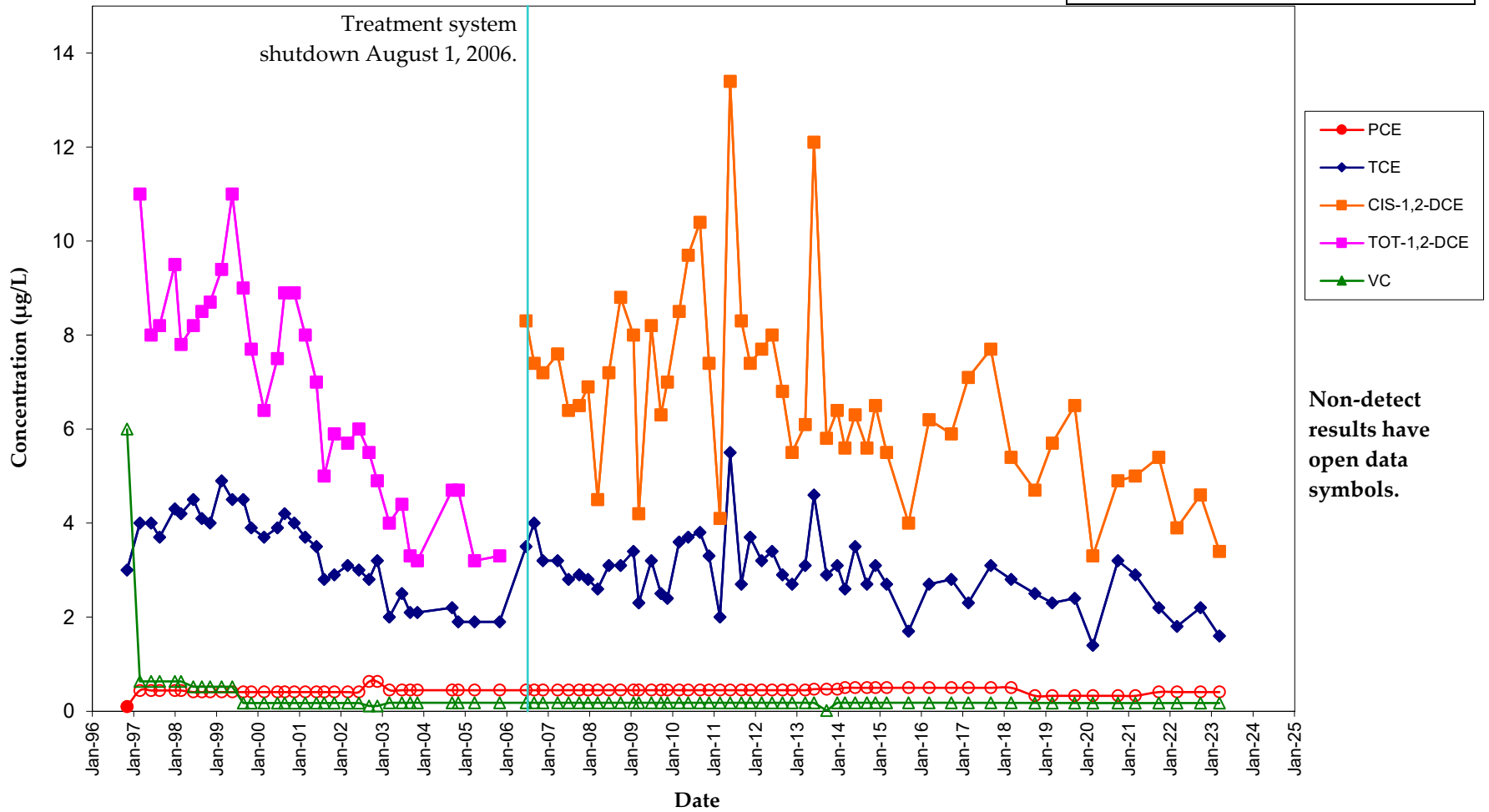
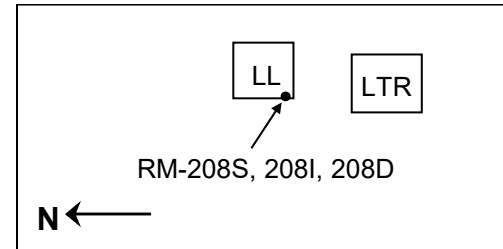


Non-detect results have open data symbols.

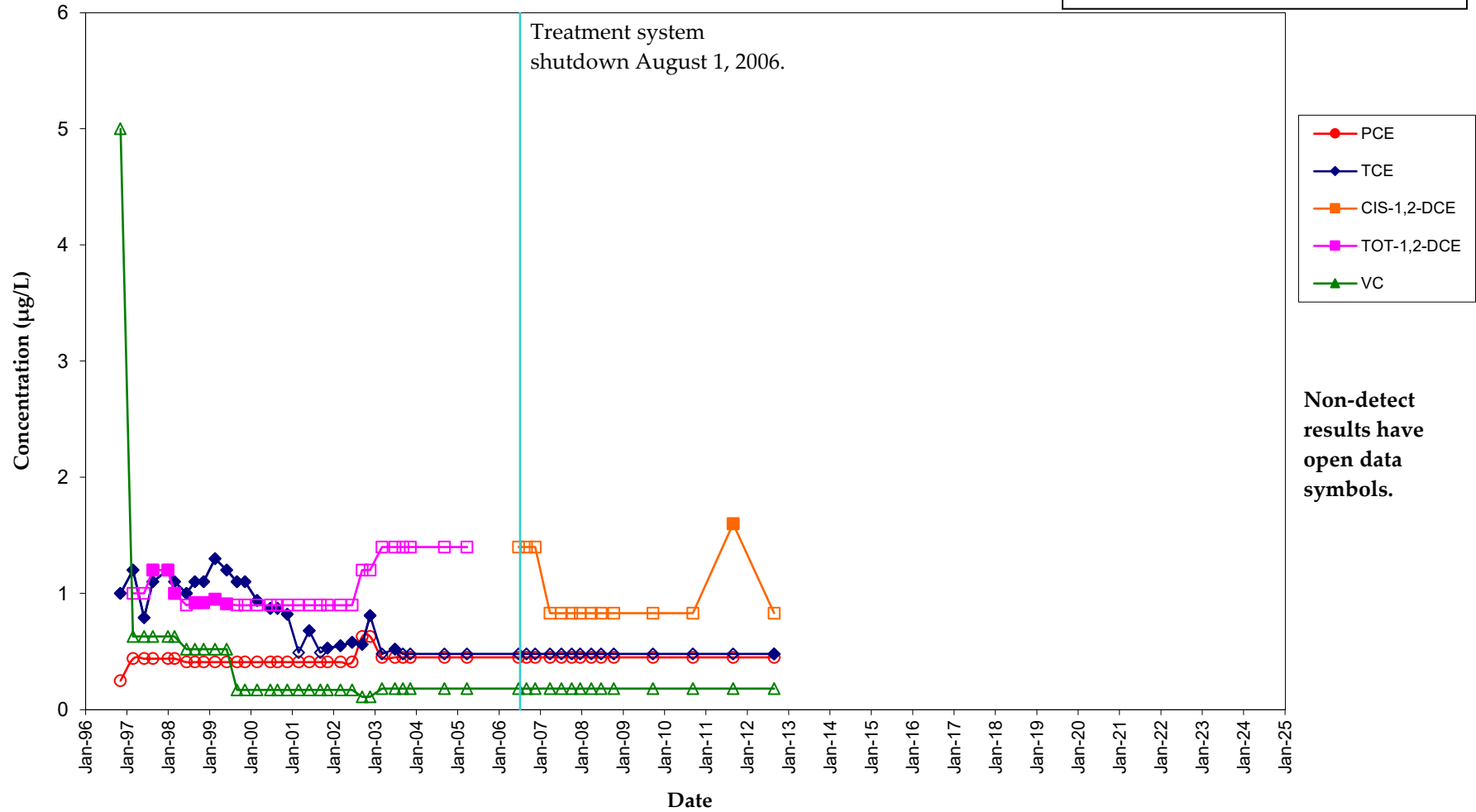
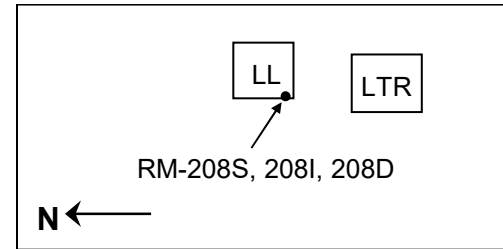
RM-207S VOC Concentration Trends Lemberger Landfill



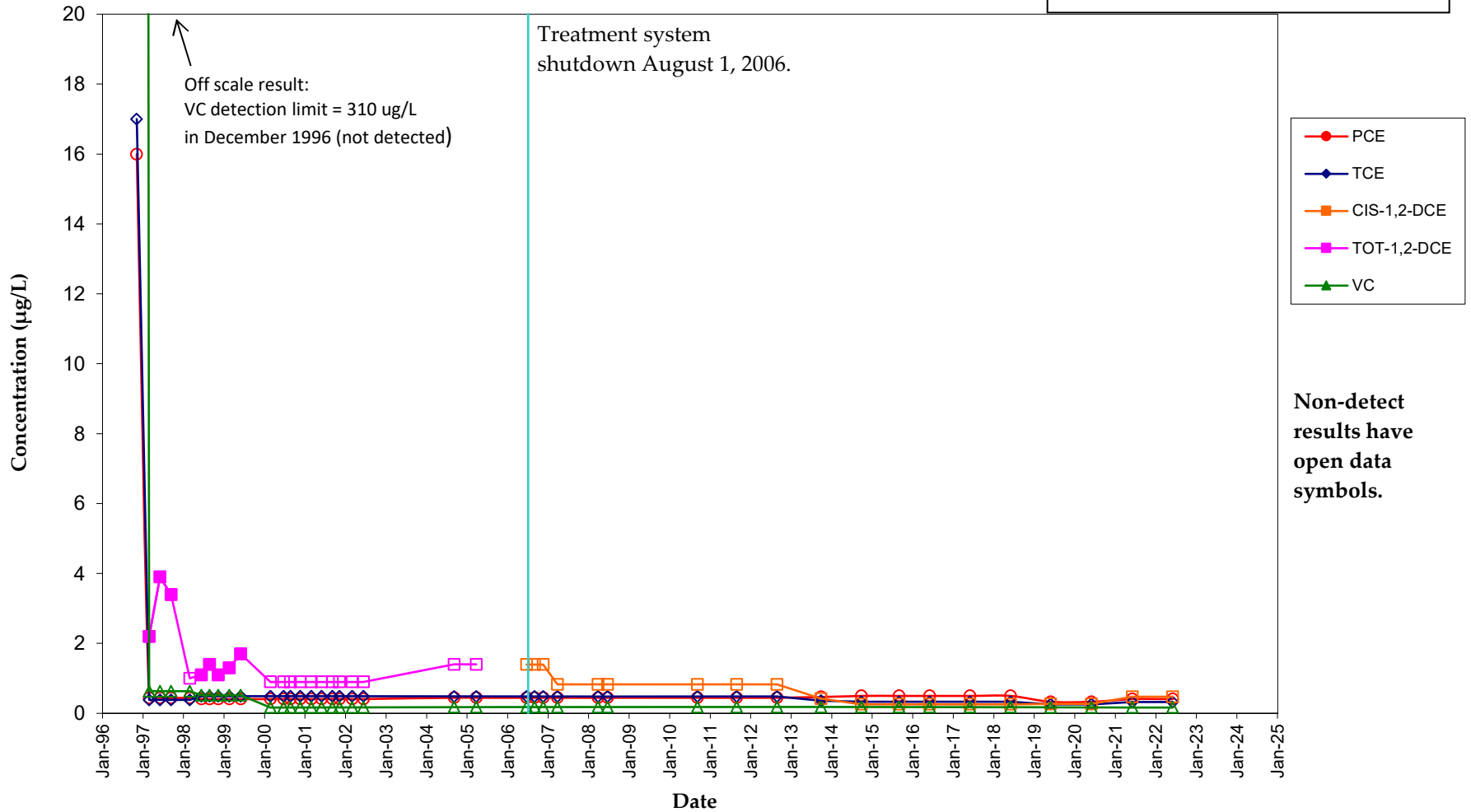
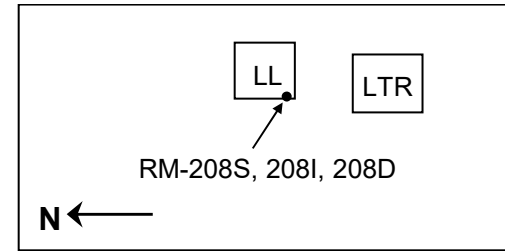
RM-208D VOC Concentration Trends Lemberger Landfill



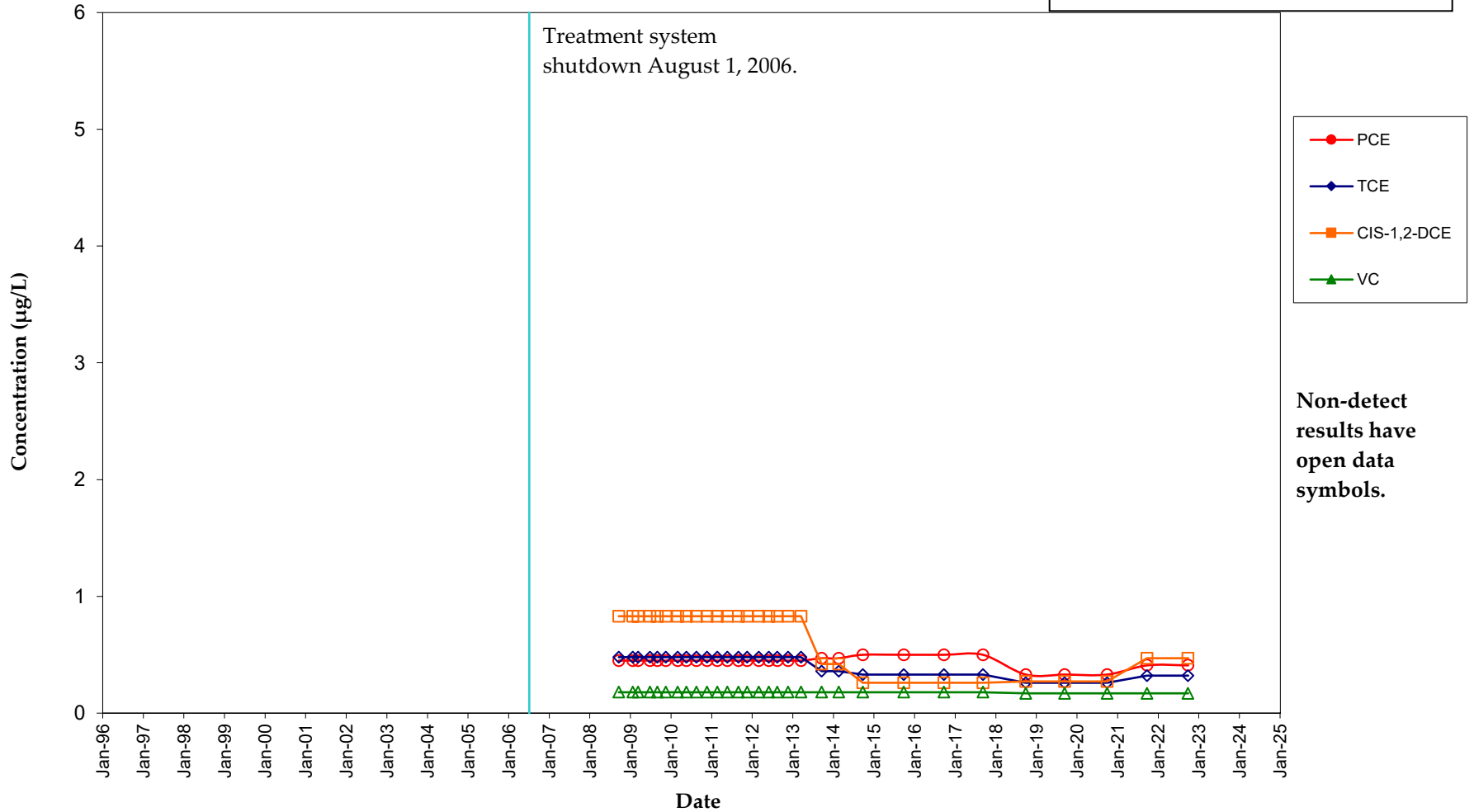
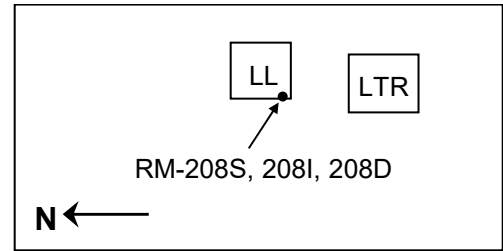
RM-208I VOC Concentration Trends Lemberger Landfill



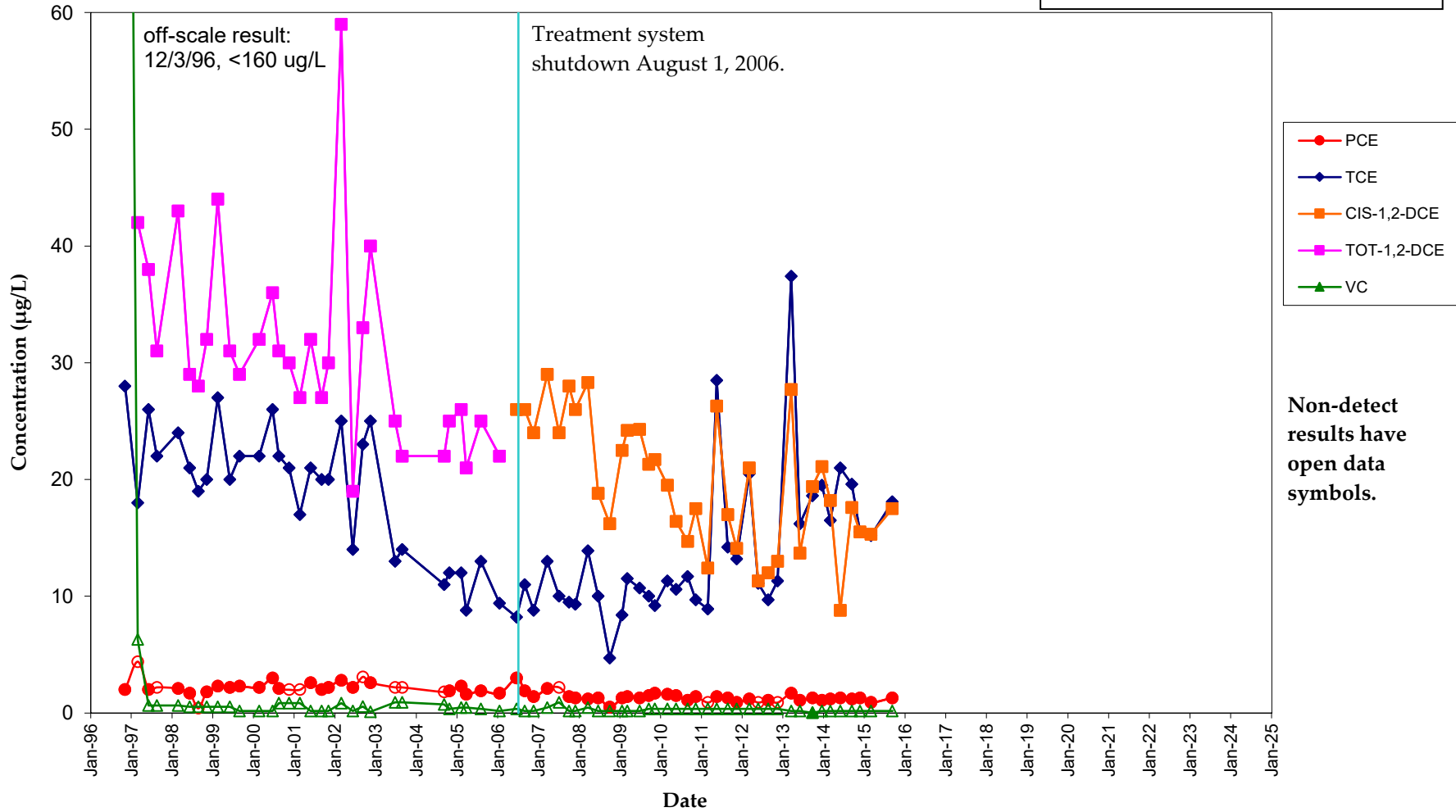
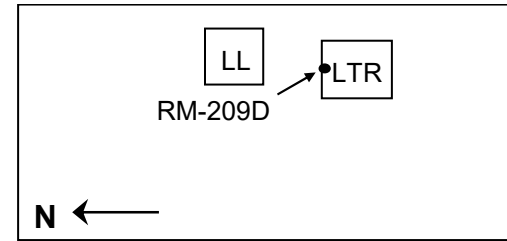
RM-208S VOC Concentration Trends Lemberger Landfill



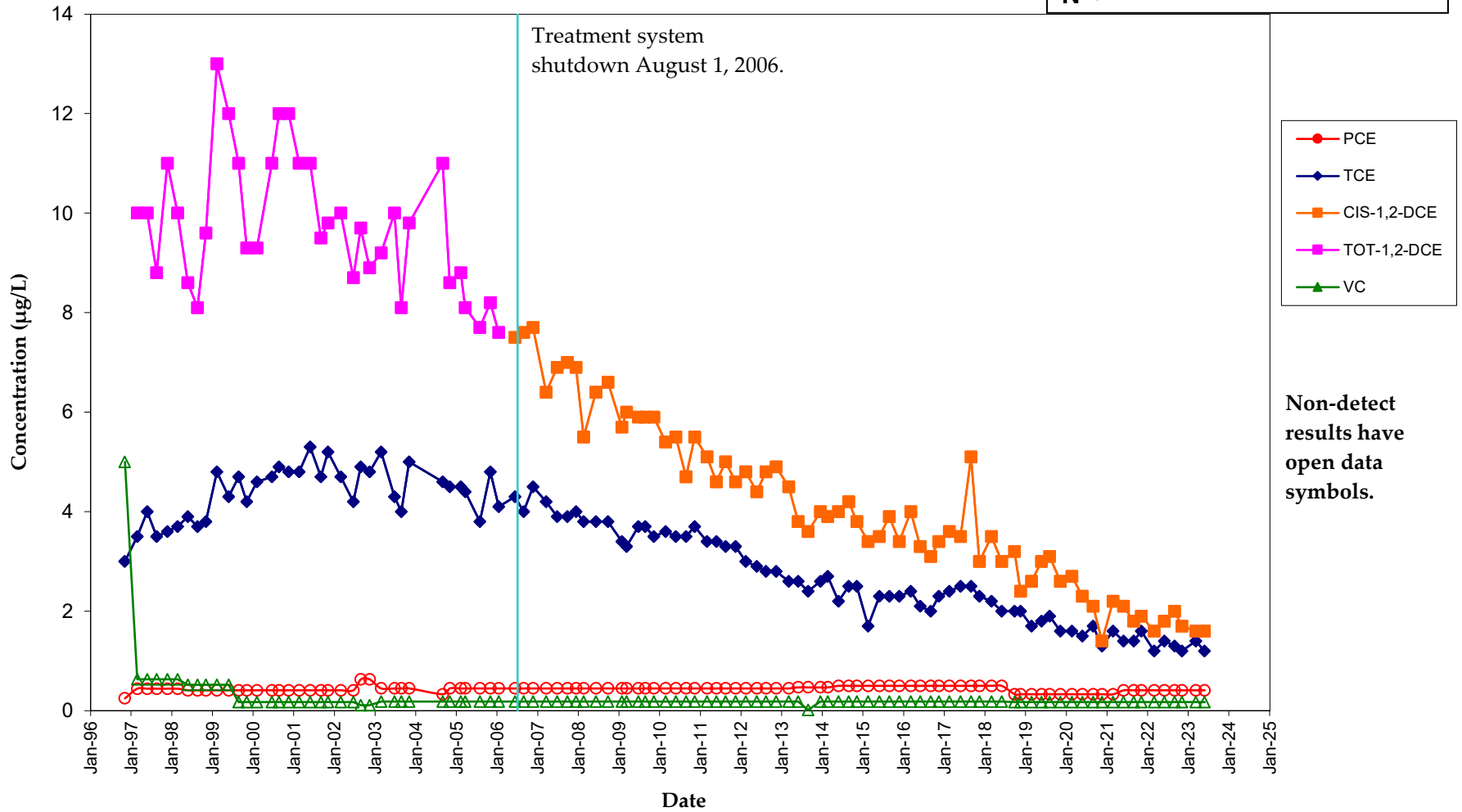
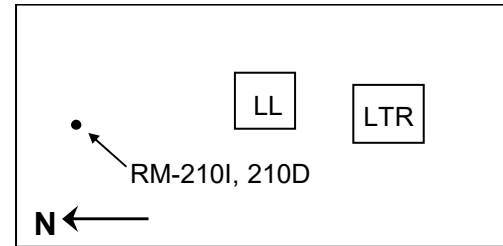
RM-208XD VOC Concentration Trends Lemberger Landfill



RM-209D VOC Concentration Trends Lemberger Landfill

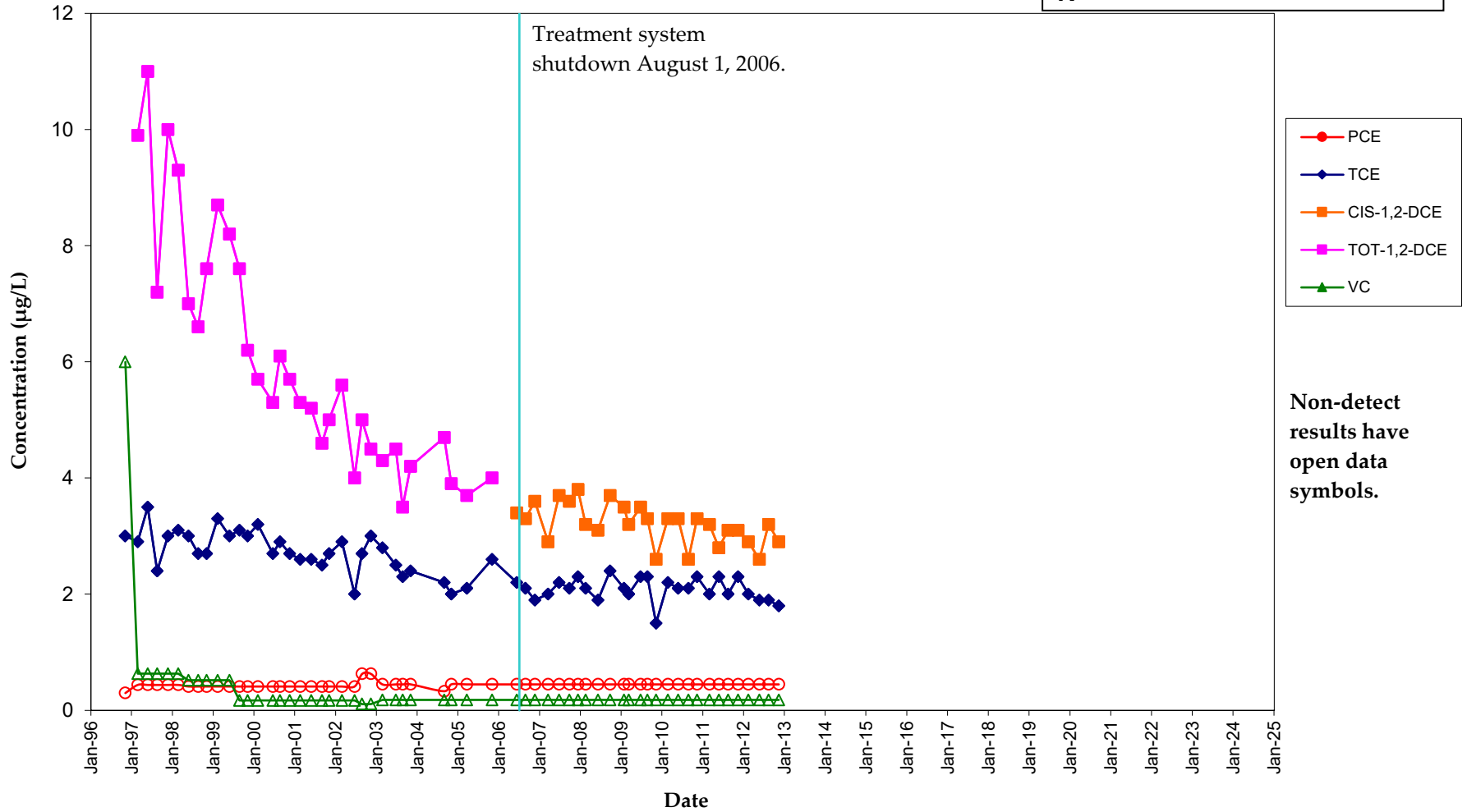
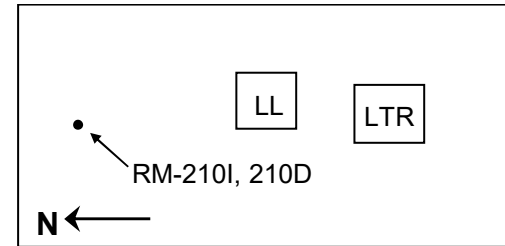


RM-210D VOC Concentration Trends Lemberger Landfill



Non-detect results have open data symbols.

RM-210I VOC Concentration Trends Lemberger Landfill



Non-detect results have open data symbols.

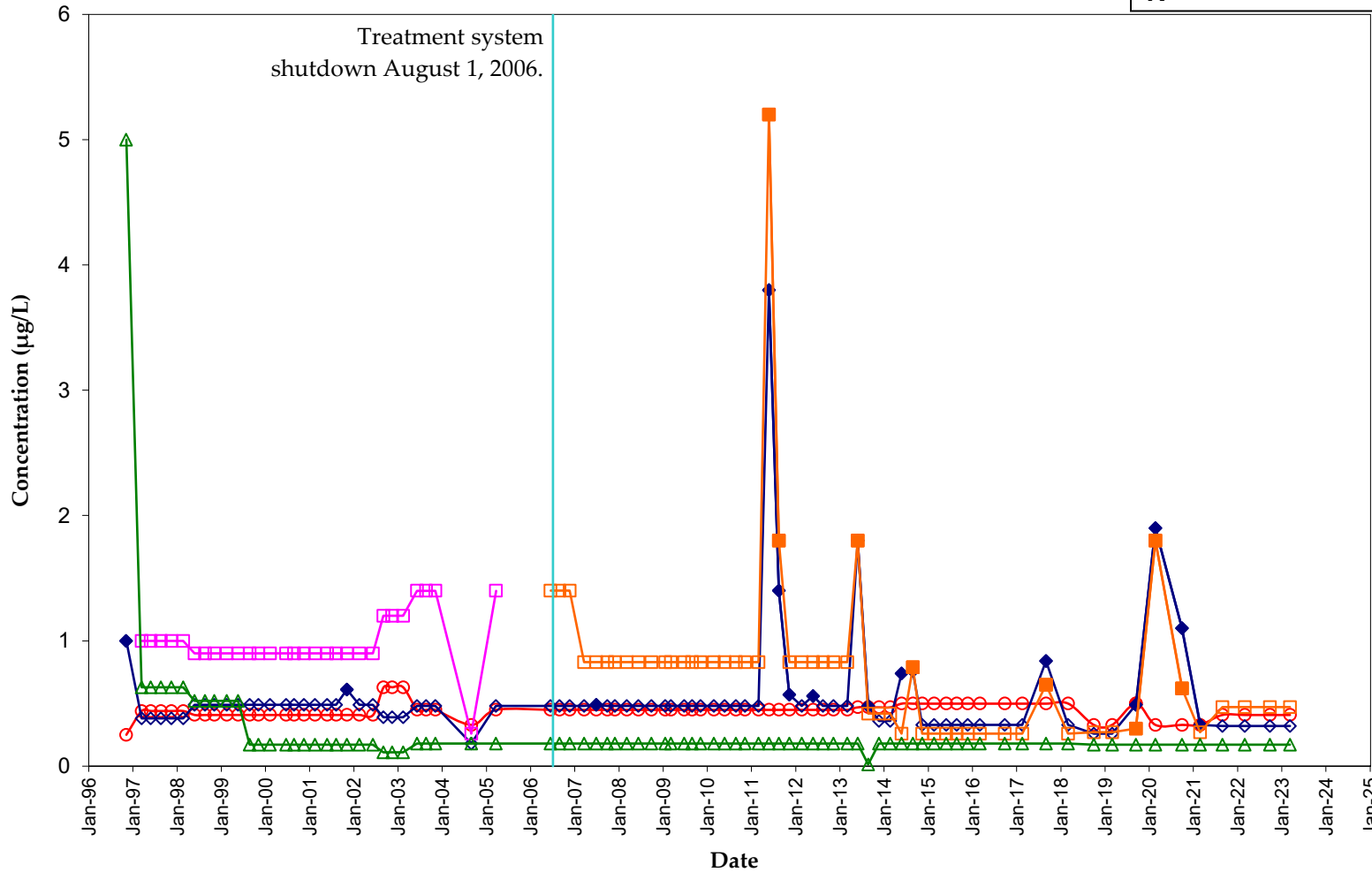
RM-211D VOC Concentration Trends Lemberger Landfill

LL

LTR

RM-211D

N ←



- PCE
- ◆ TCE
- CIS-1,2-DCE
- TOT-1,2-DCE
- ▲ VC

Non-detect results have open data symbols.

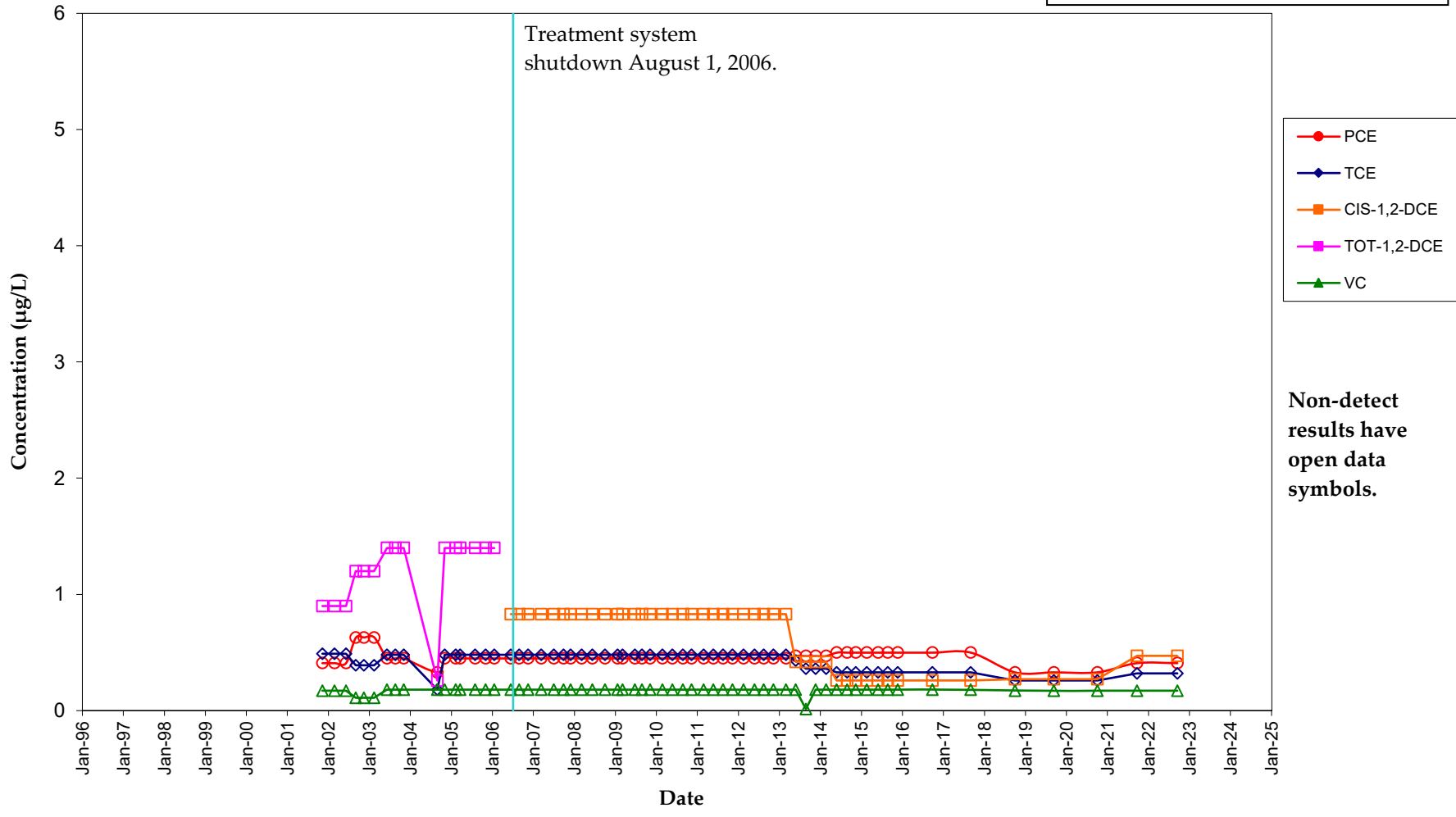
RM-212D VOC Concentration Trends Lemberger Landfill

LL

LTR

• RM-212I, 212D

N ←



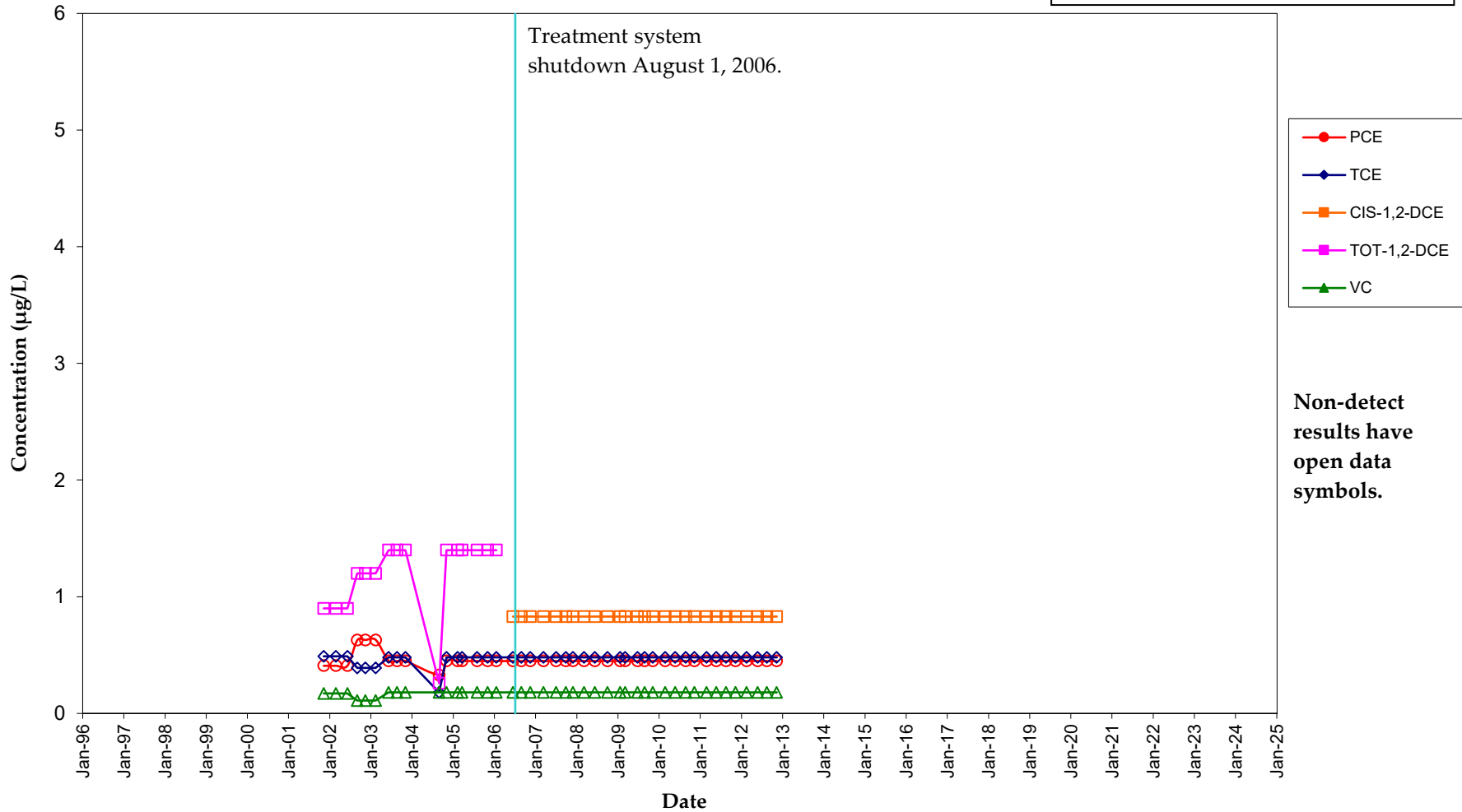
Non-detect results have open data symbols.

**RM-212I
VOC Concentration Trends
Lemberger Landfill**

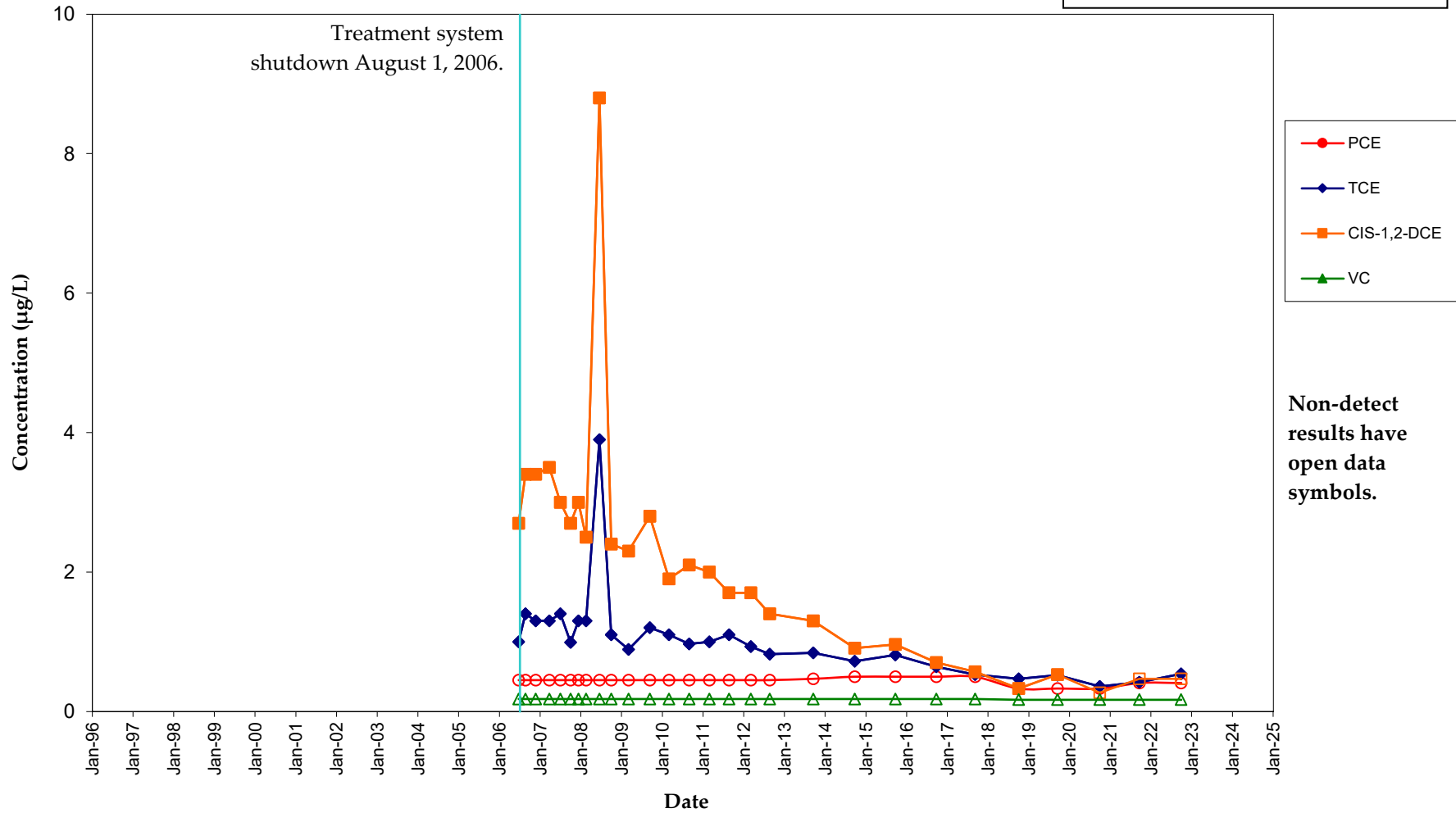
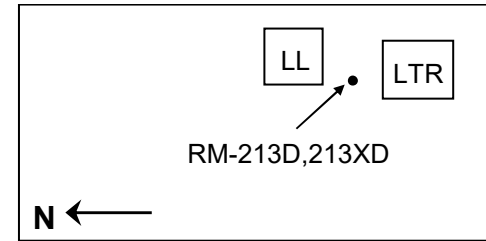
LL LTR

• RM-212I, 212D

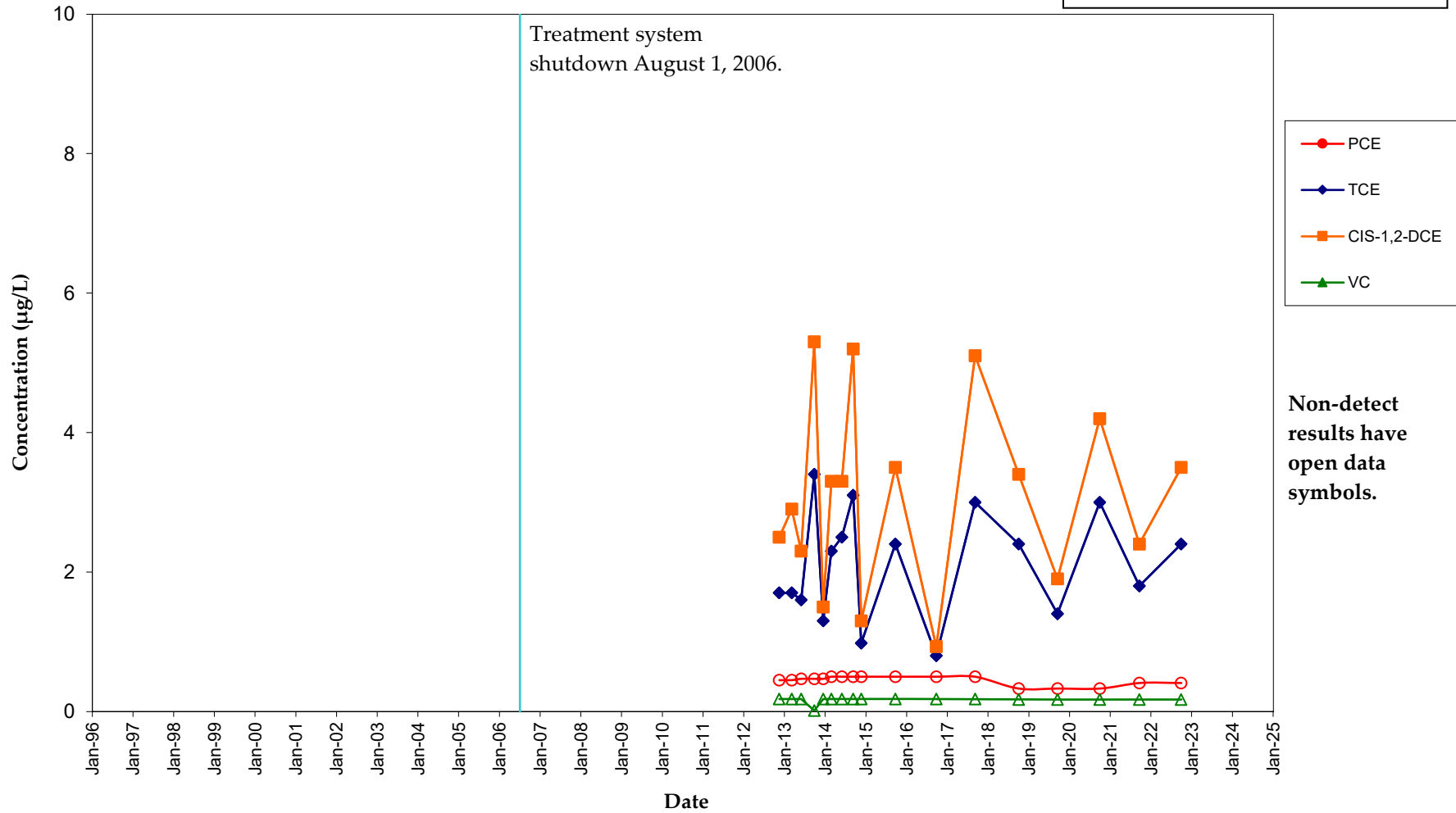
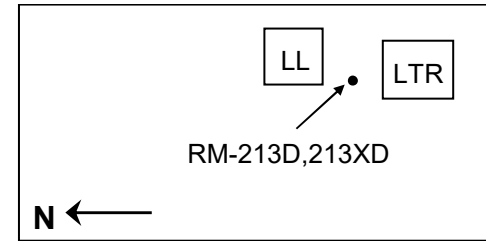
N ←



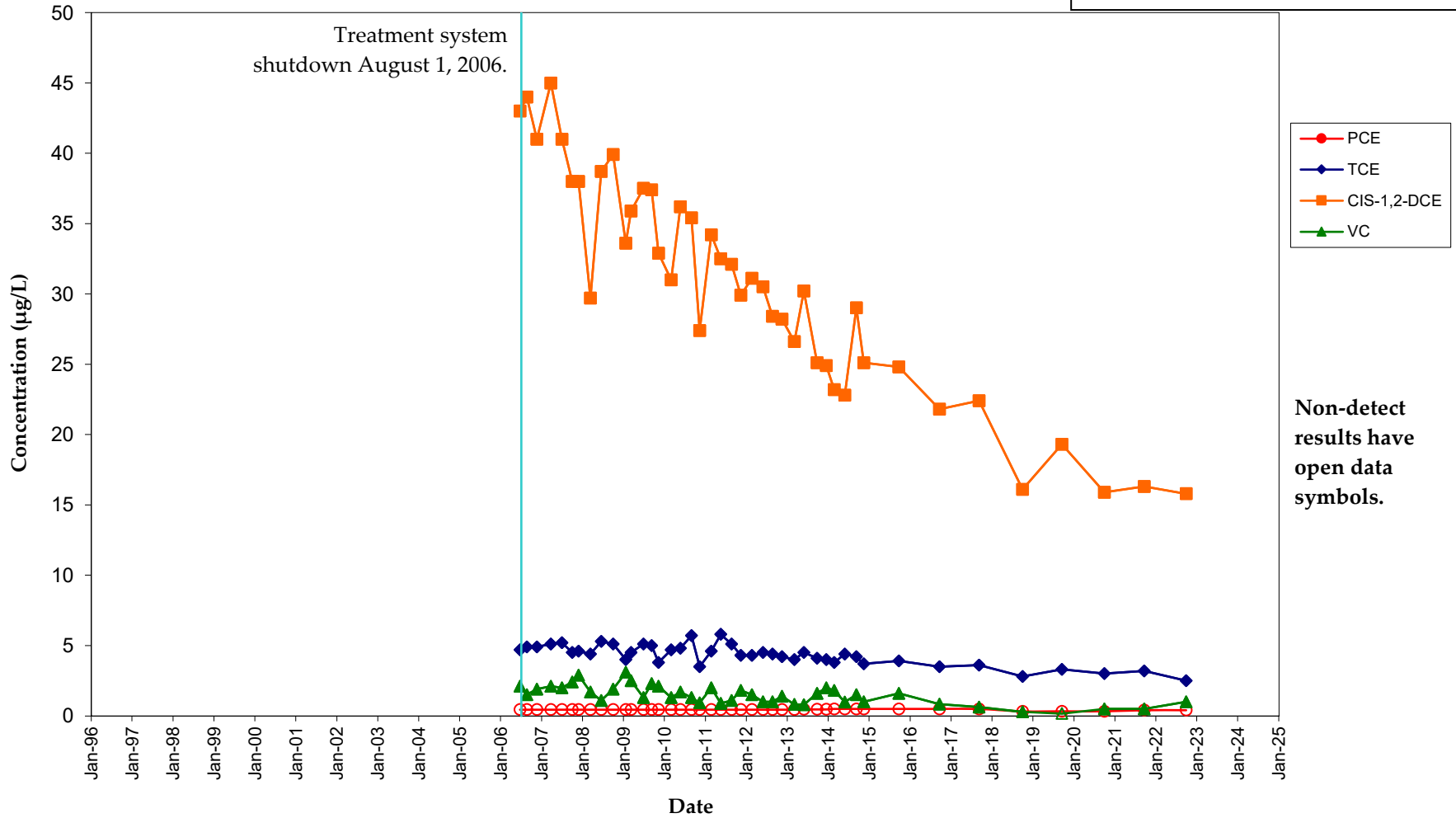
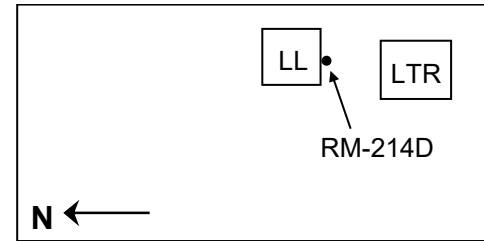
RM-213D VOC Concentration Trends Lemberger Landfill



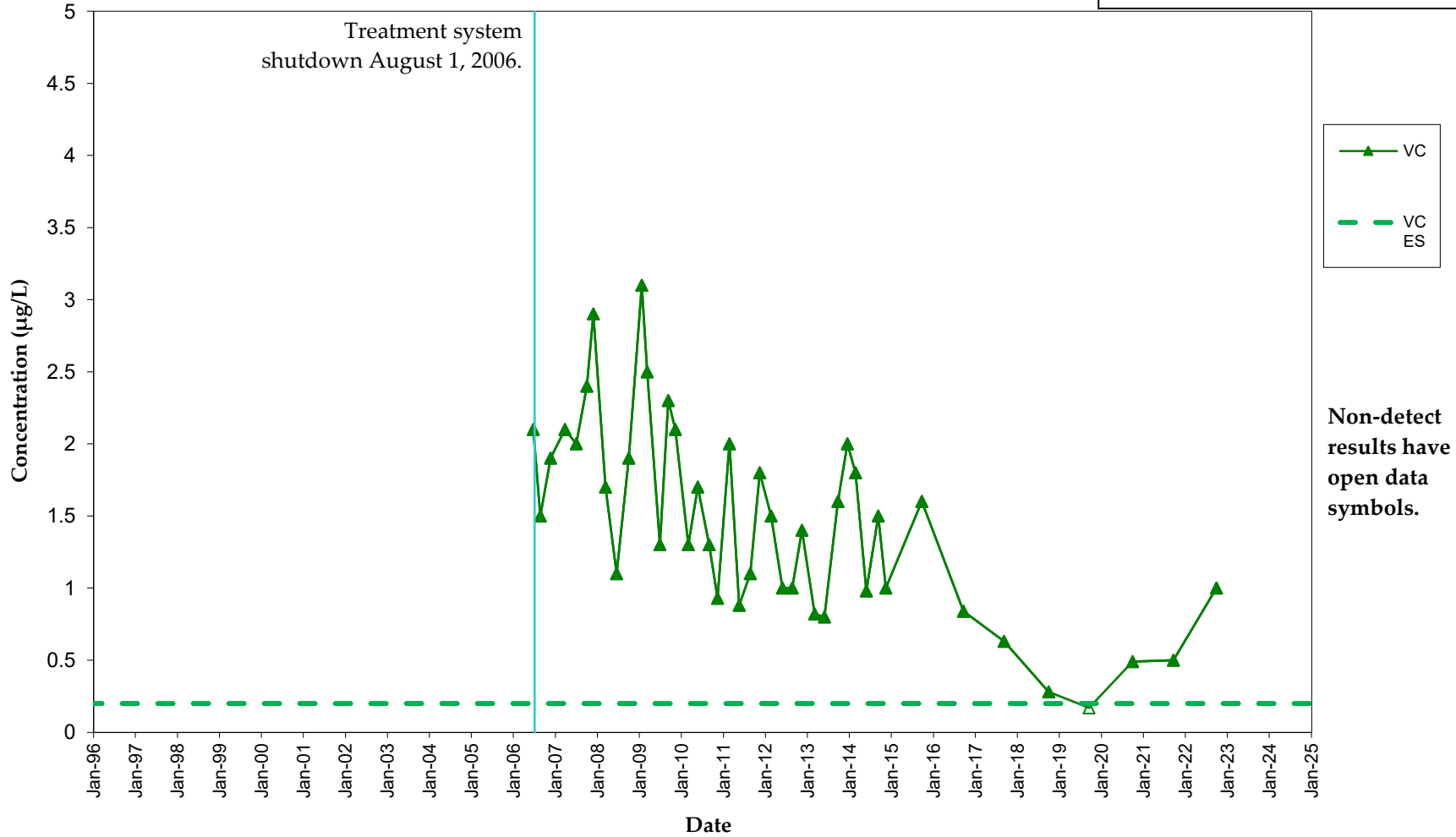
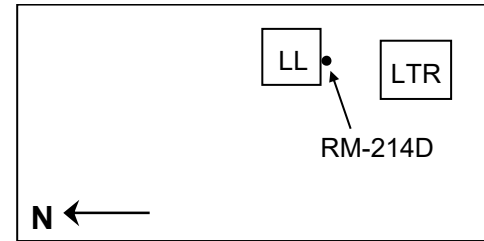
RM-213XD VOC Concentration Trends Lemberger Landfill



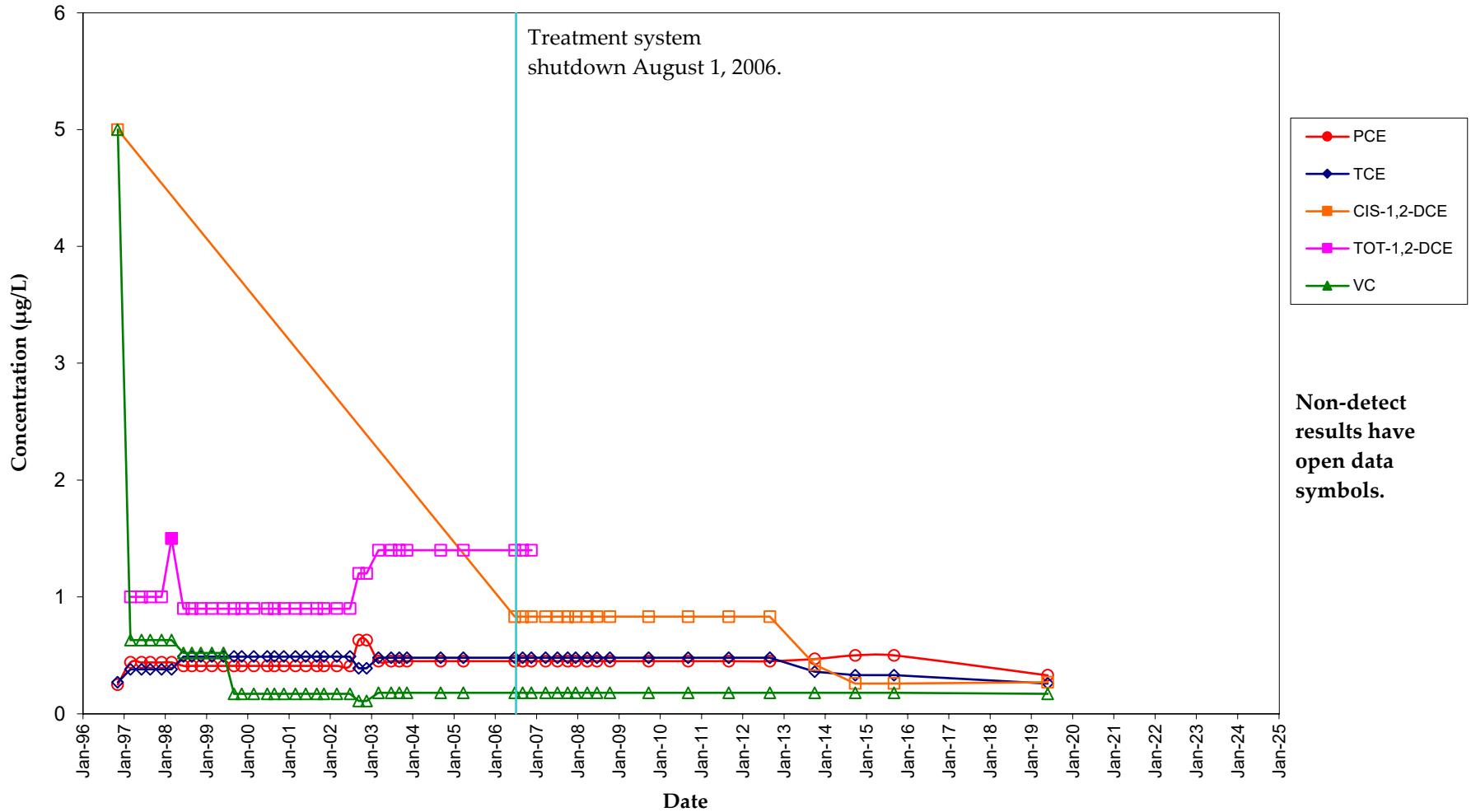
RM-214D VOC Concentration Trends Lemberger Landfill



RM-214D VOC Concentration Trends Lemberger Landfill

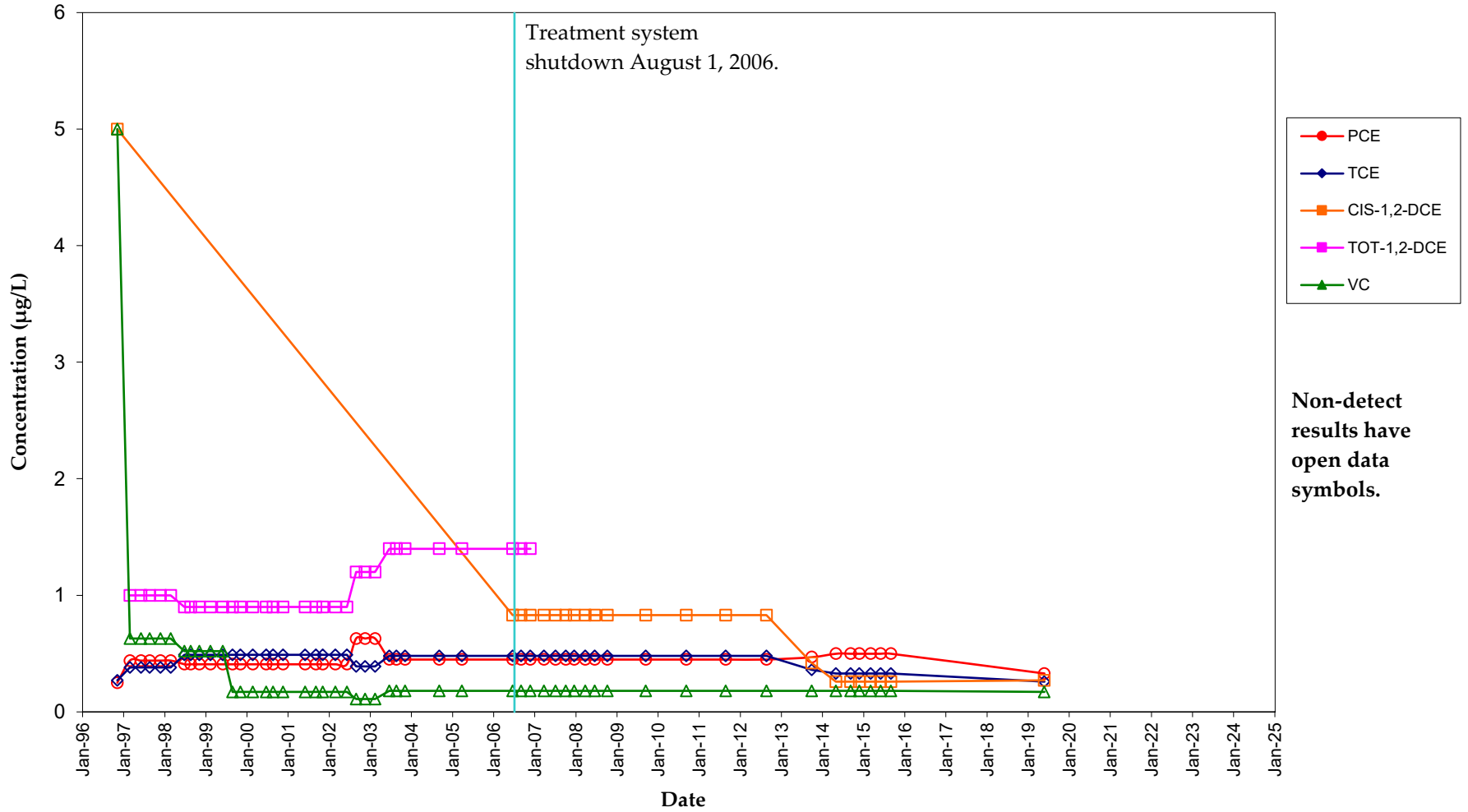


RM-301S VOC Concentration Trends Lemberger Landfill

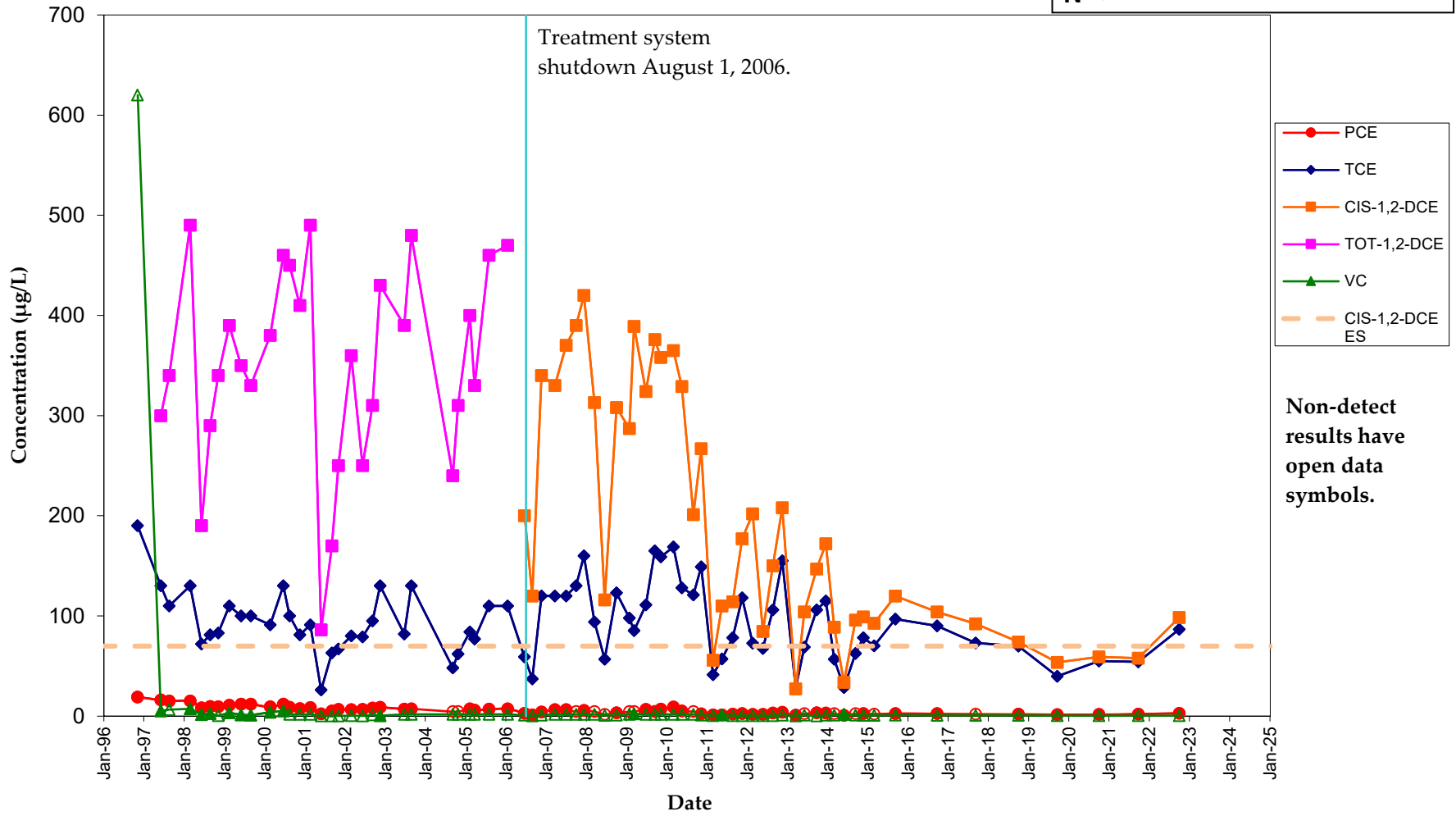
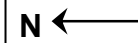
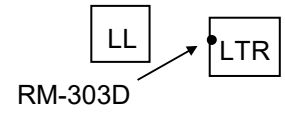


Non-detect results have open data symbols.

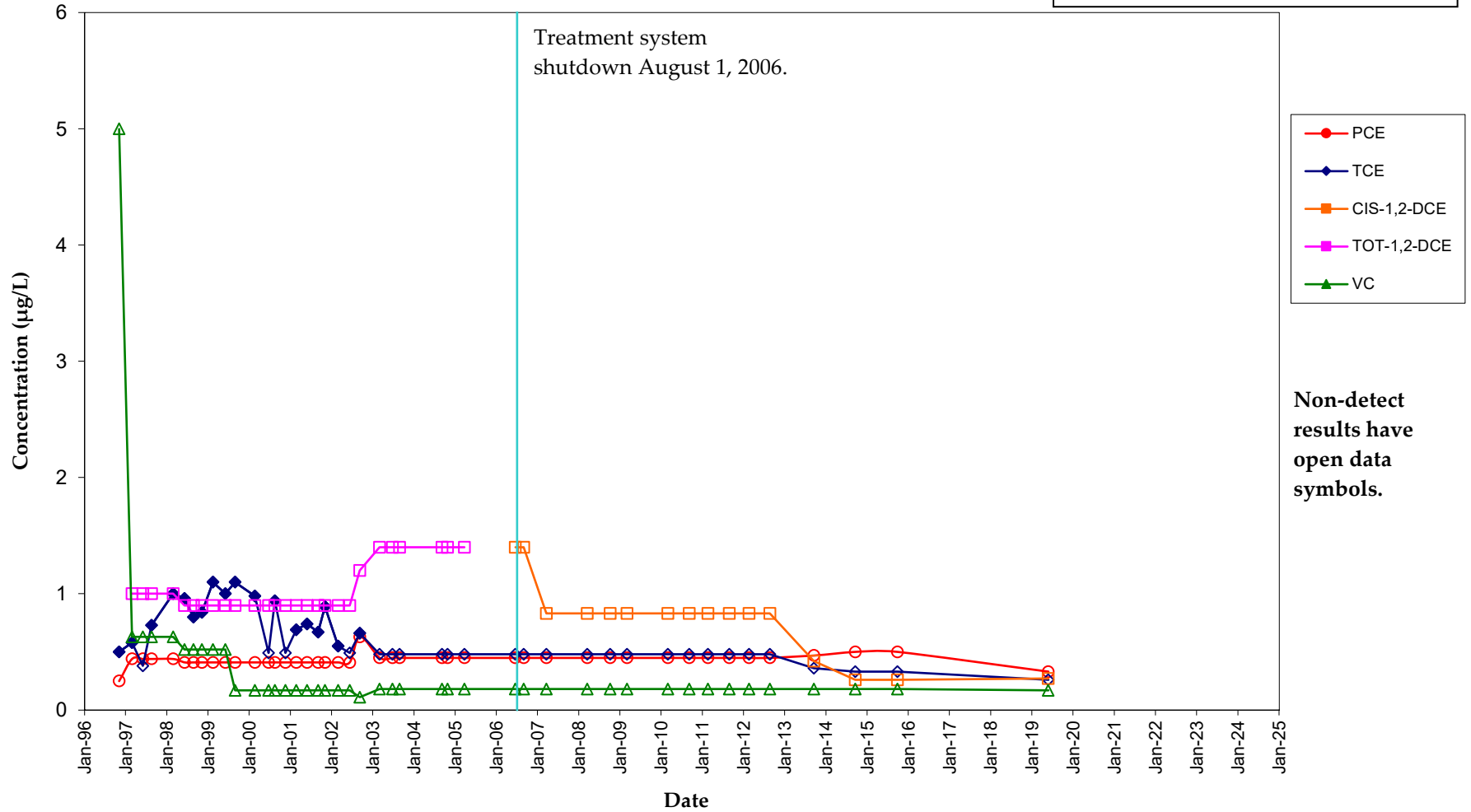
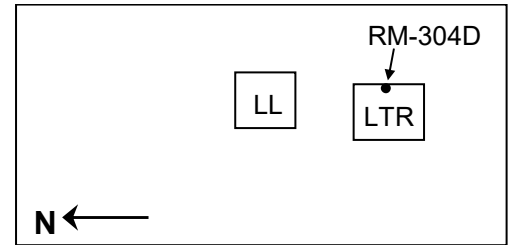
RM-302S VOC Concentration Trends Lemberger Landfill



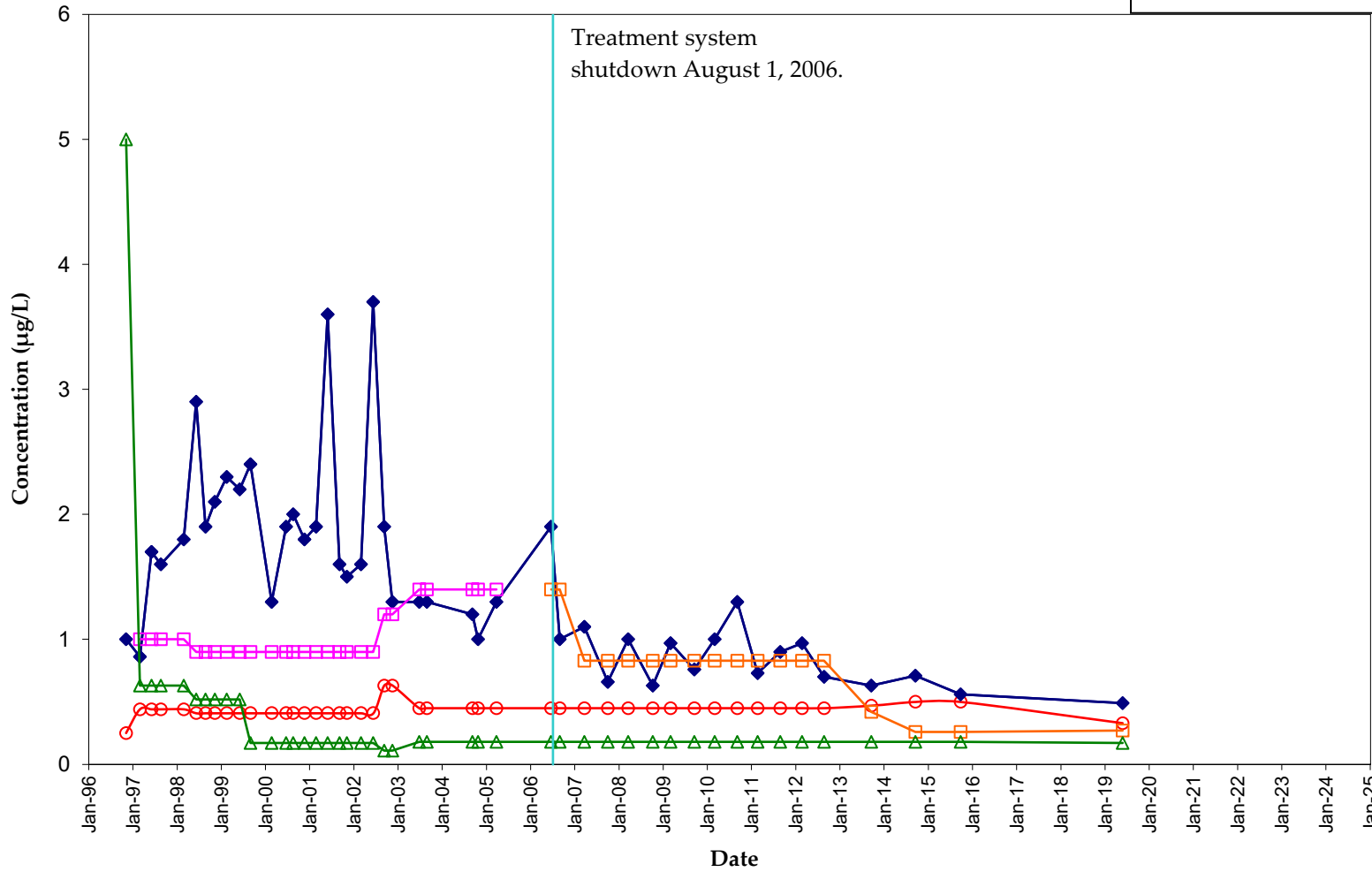
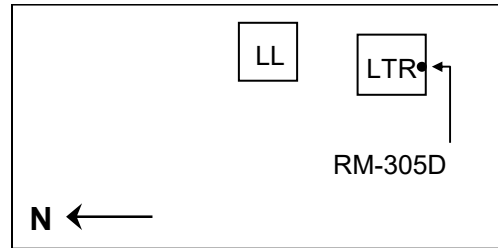
RM-303D VOC Concentration Trends Lemberger Landfill



RM-304D VOC Concentration Trends Lemberger Landfill



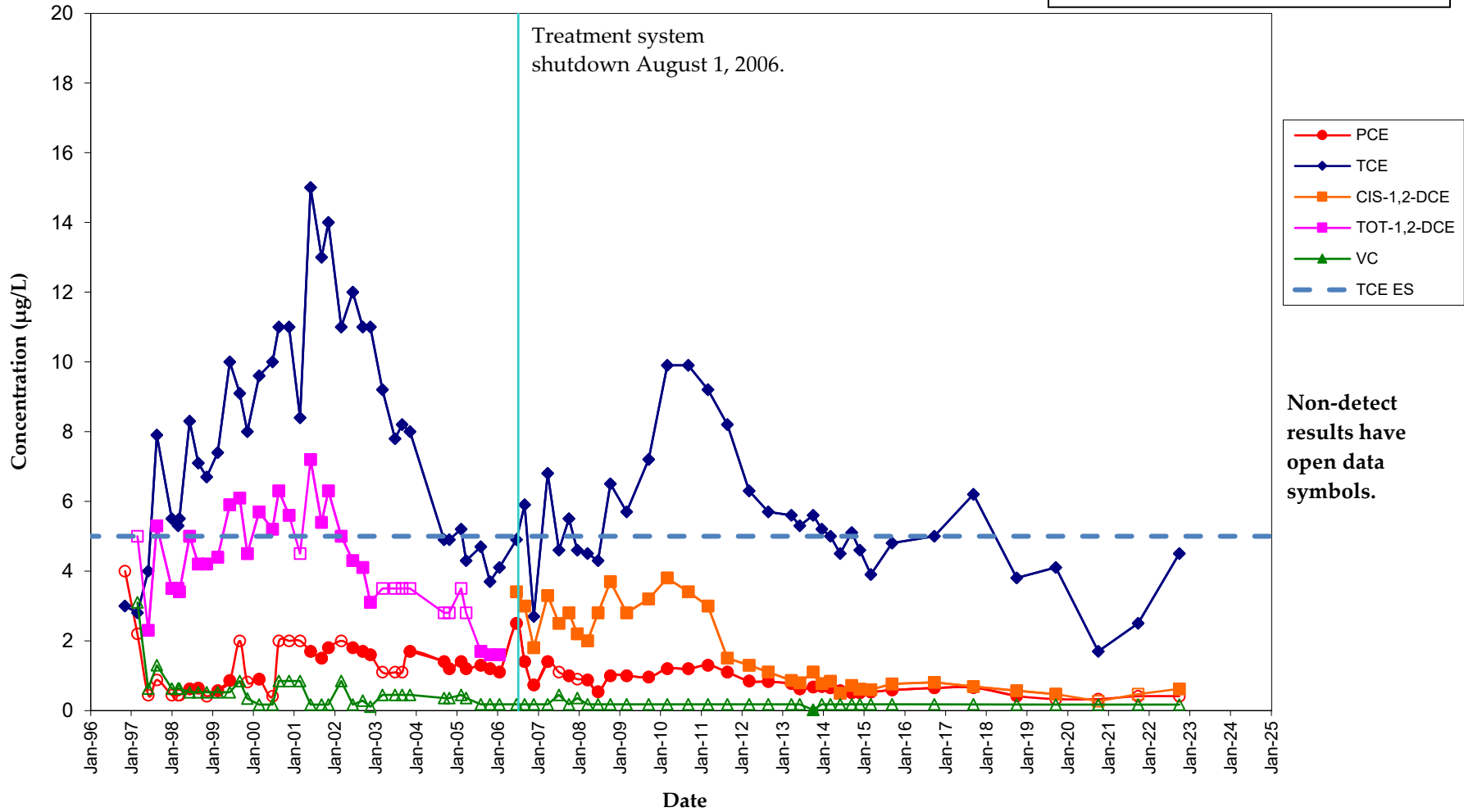
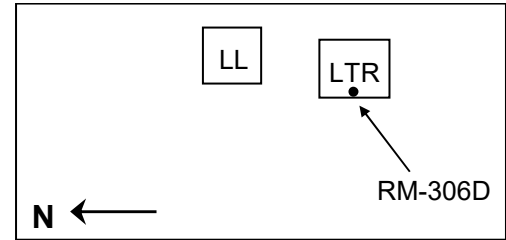
RM-305D VOC Concentration Trends Lemberger Landfill



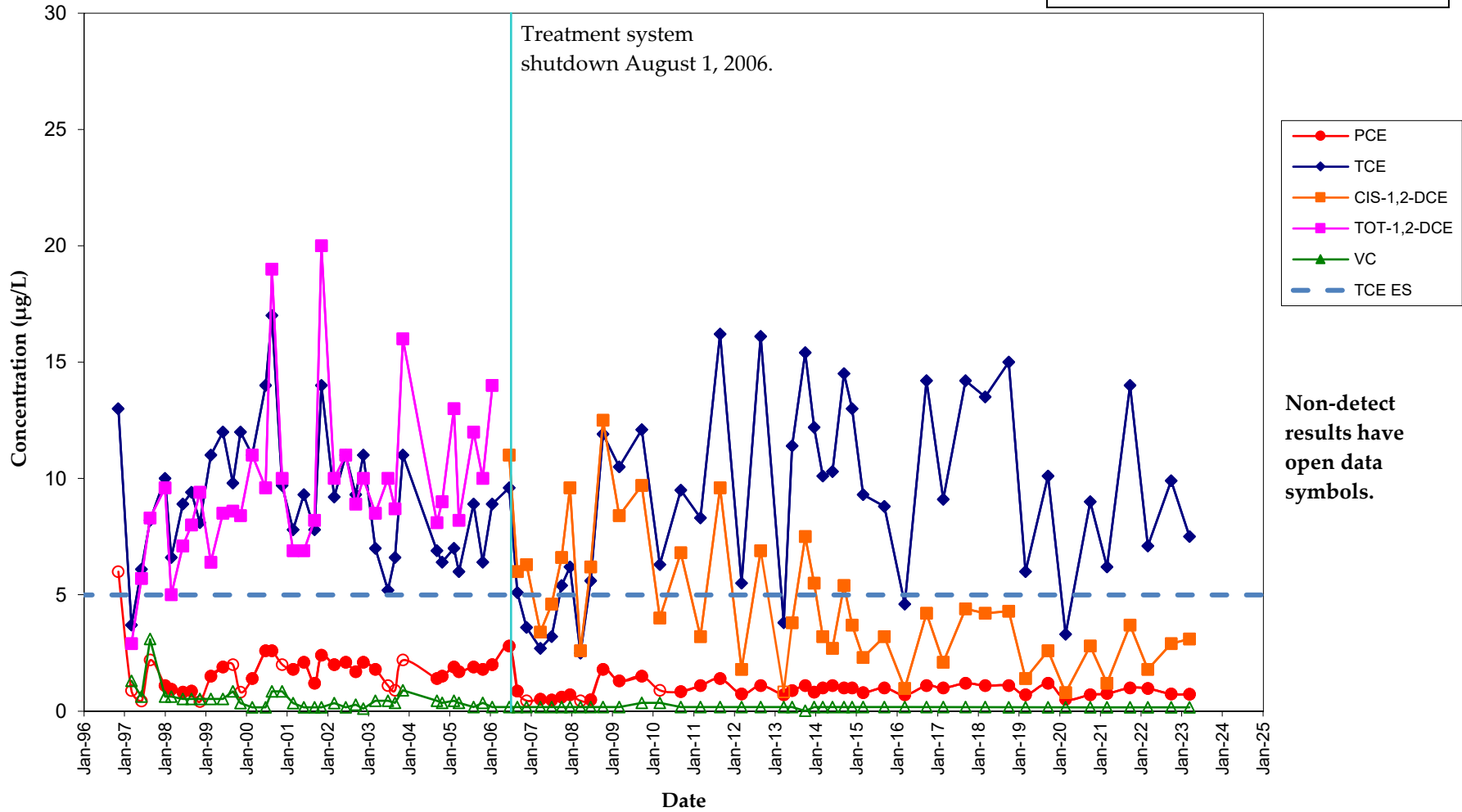
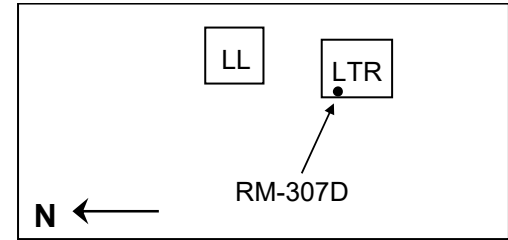
- PCE
- ◆ TCE
- CIS-1,2-DCE
- TOT-1,2-DCE
- ▲ VC

**Non-detect
results have
open data
symbols.**

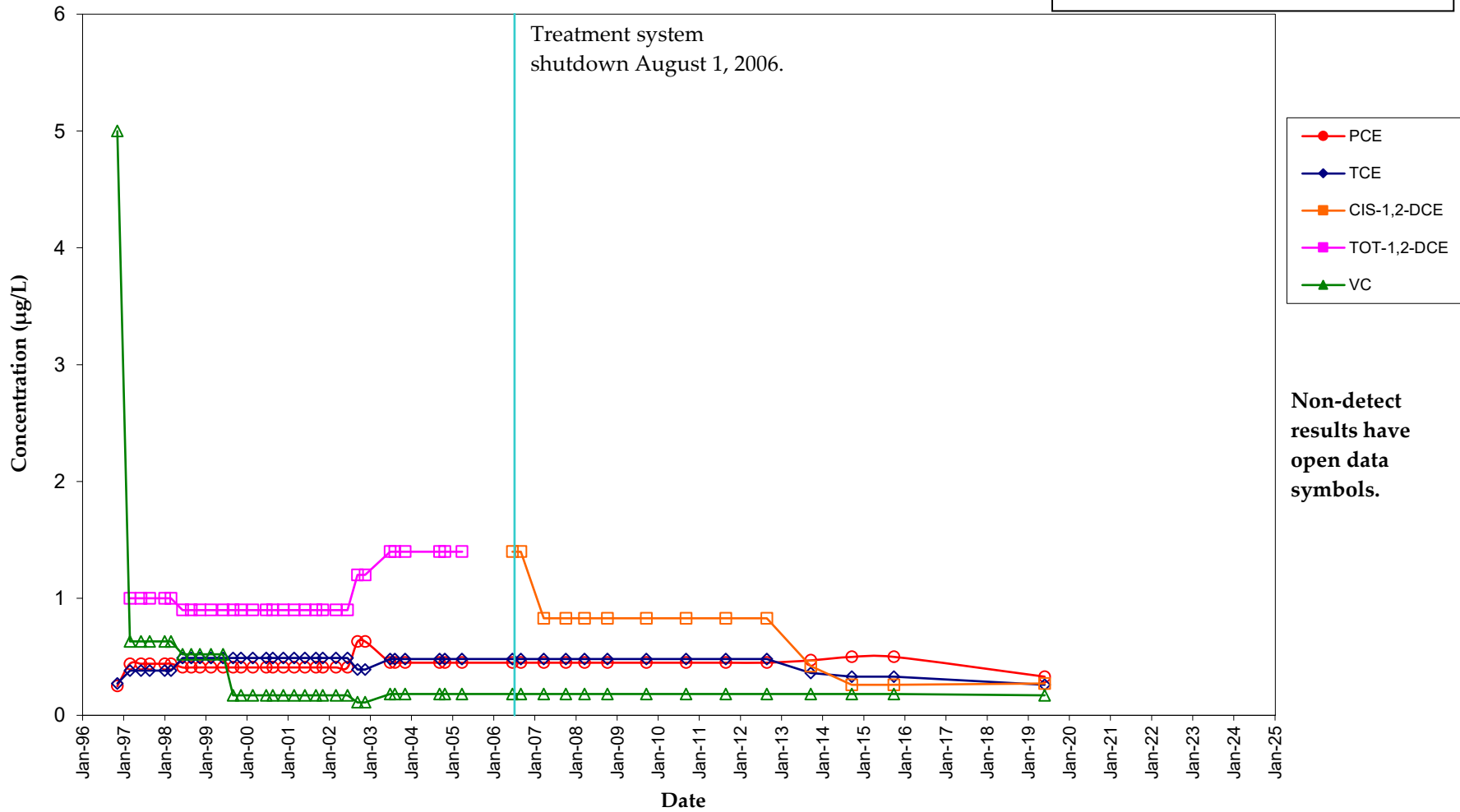
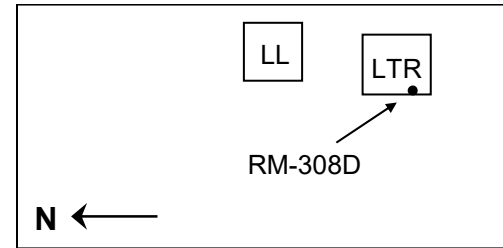
RM-306D VOC Concentration Trends Lemberger Landfill



RM-307D VOC Concentration Trends Lemberger Landfill

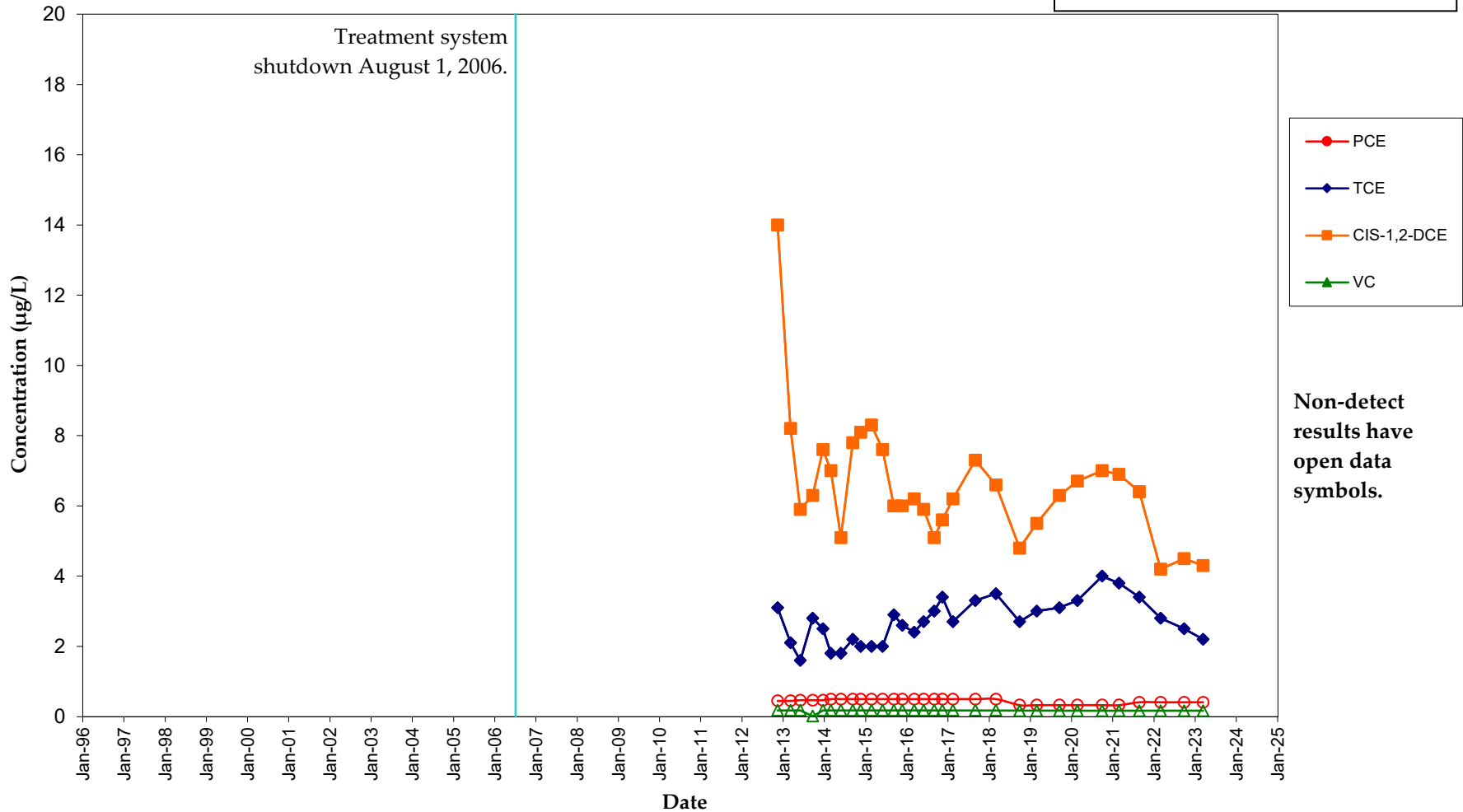
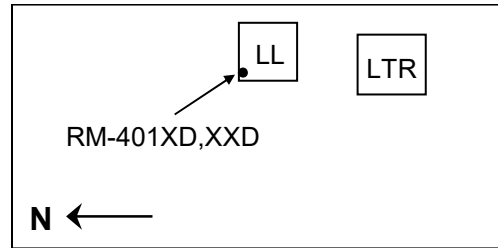


RM-308D VOC Concentration Trends Lemberger Landfill

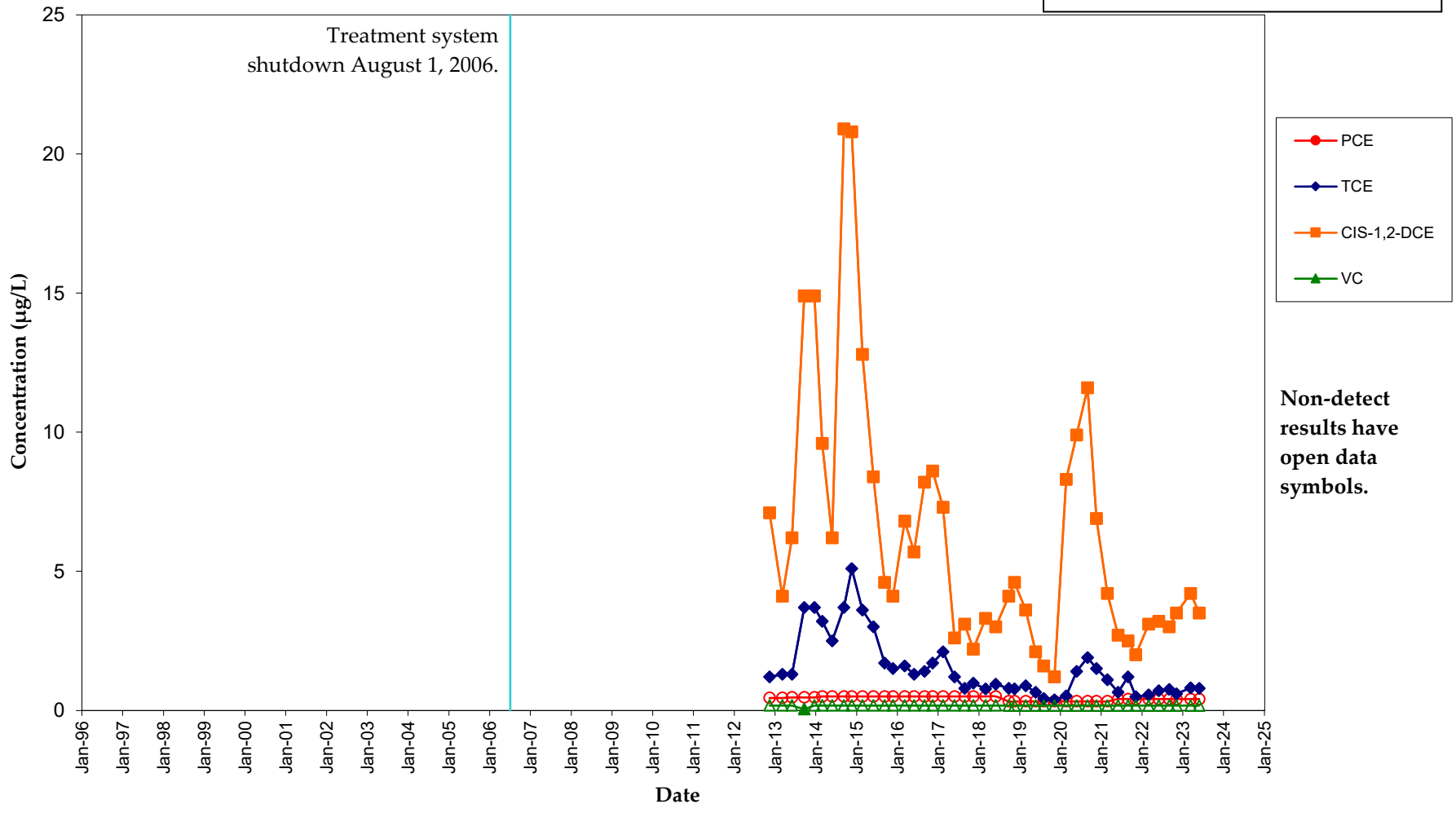
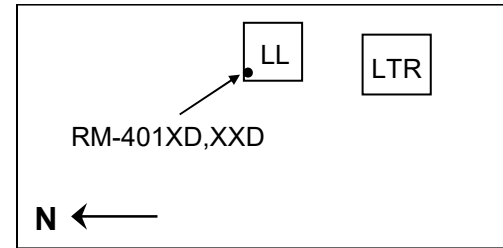


**Non-detect
results have
open data
symbols.**

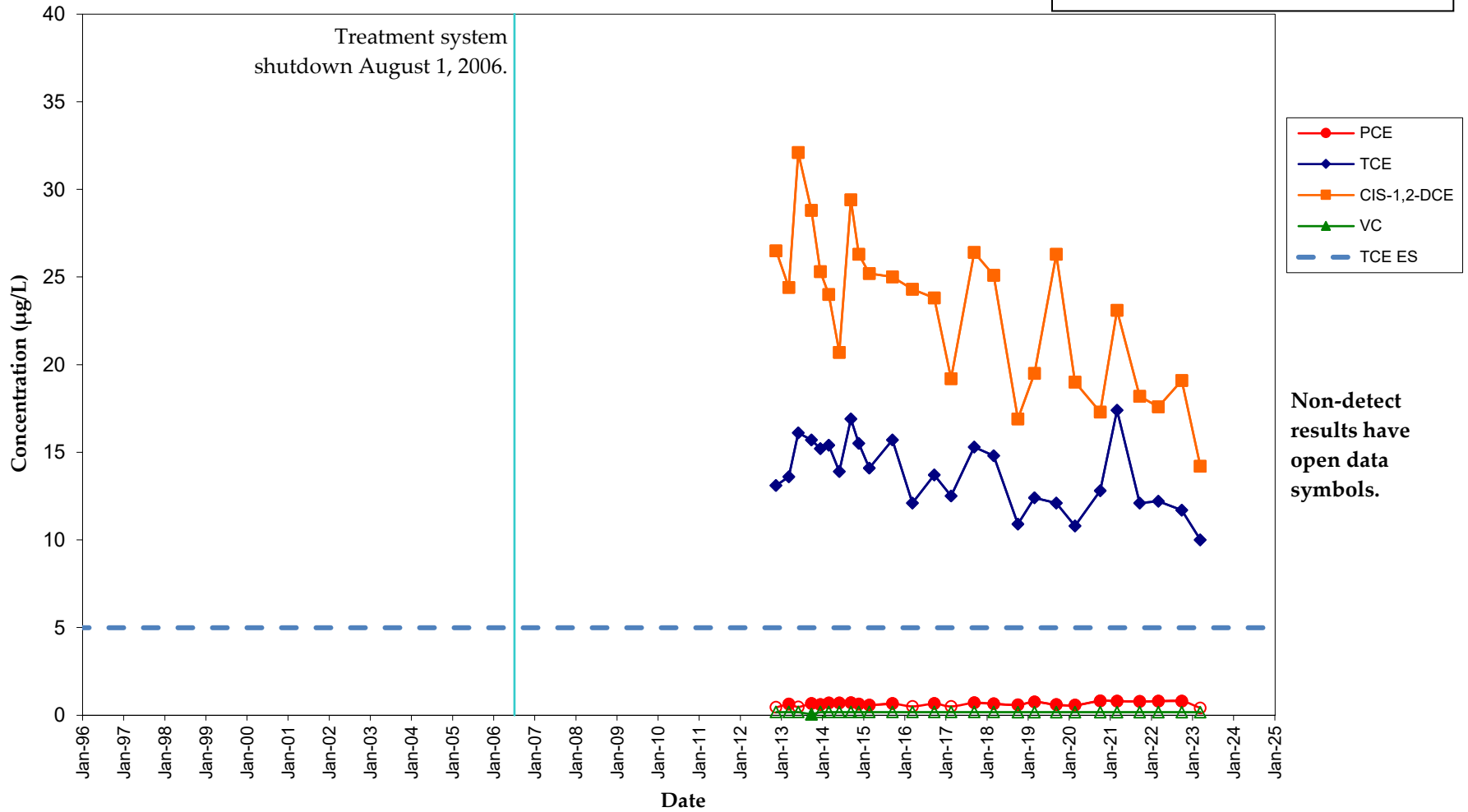
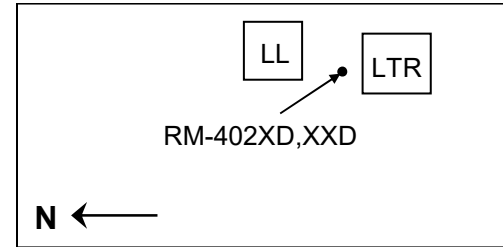
RM-401XD VOC Concentration Trends Lemberger Landfill



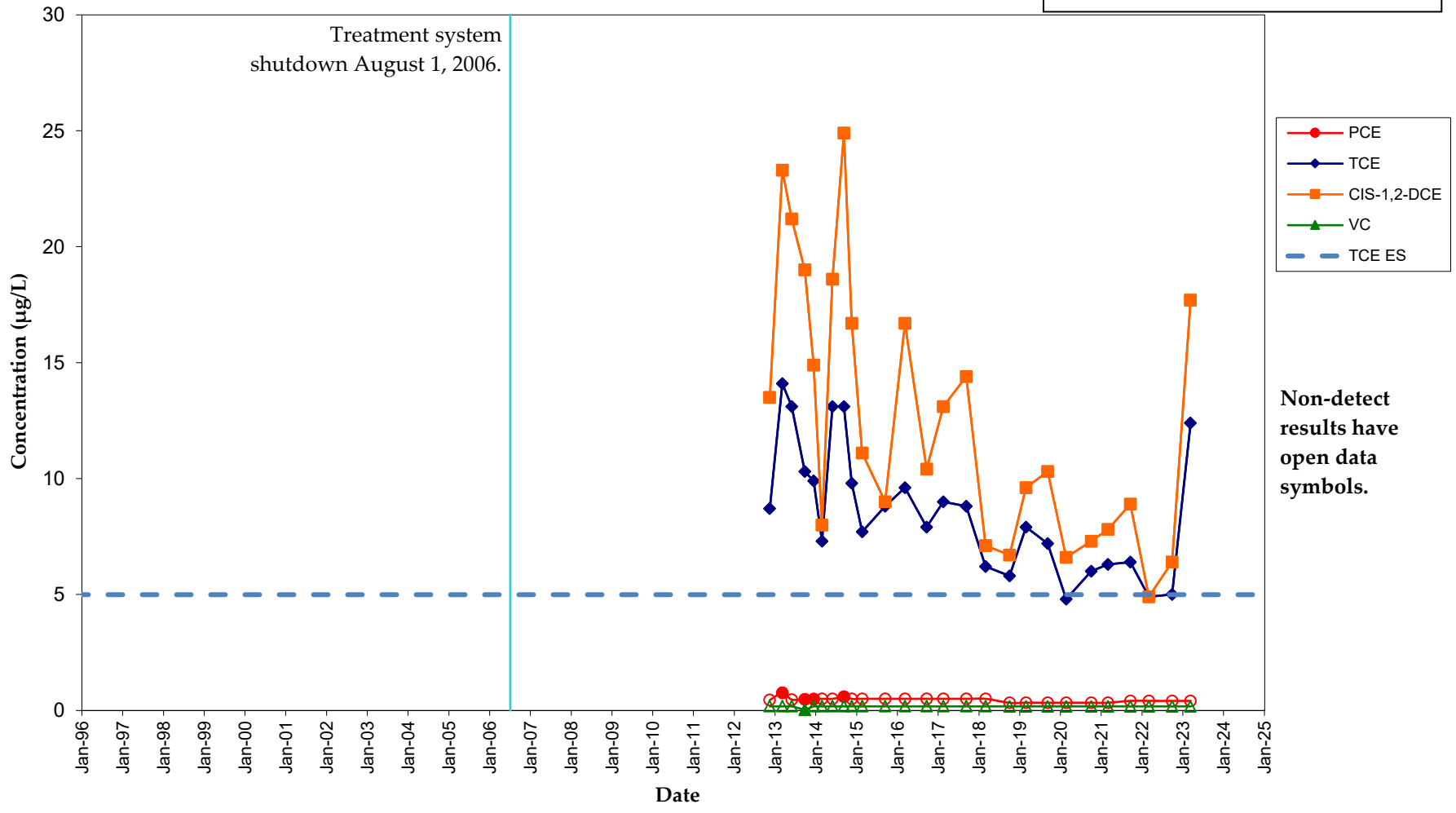
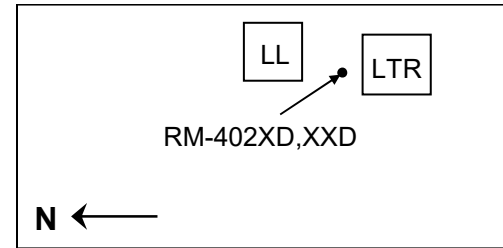
RM-401XXD VOC Concentration Trends Lemberger Landfill



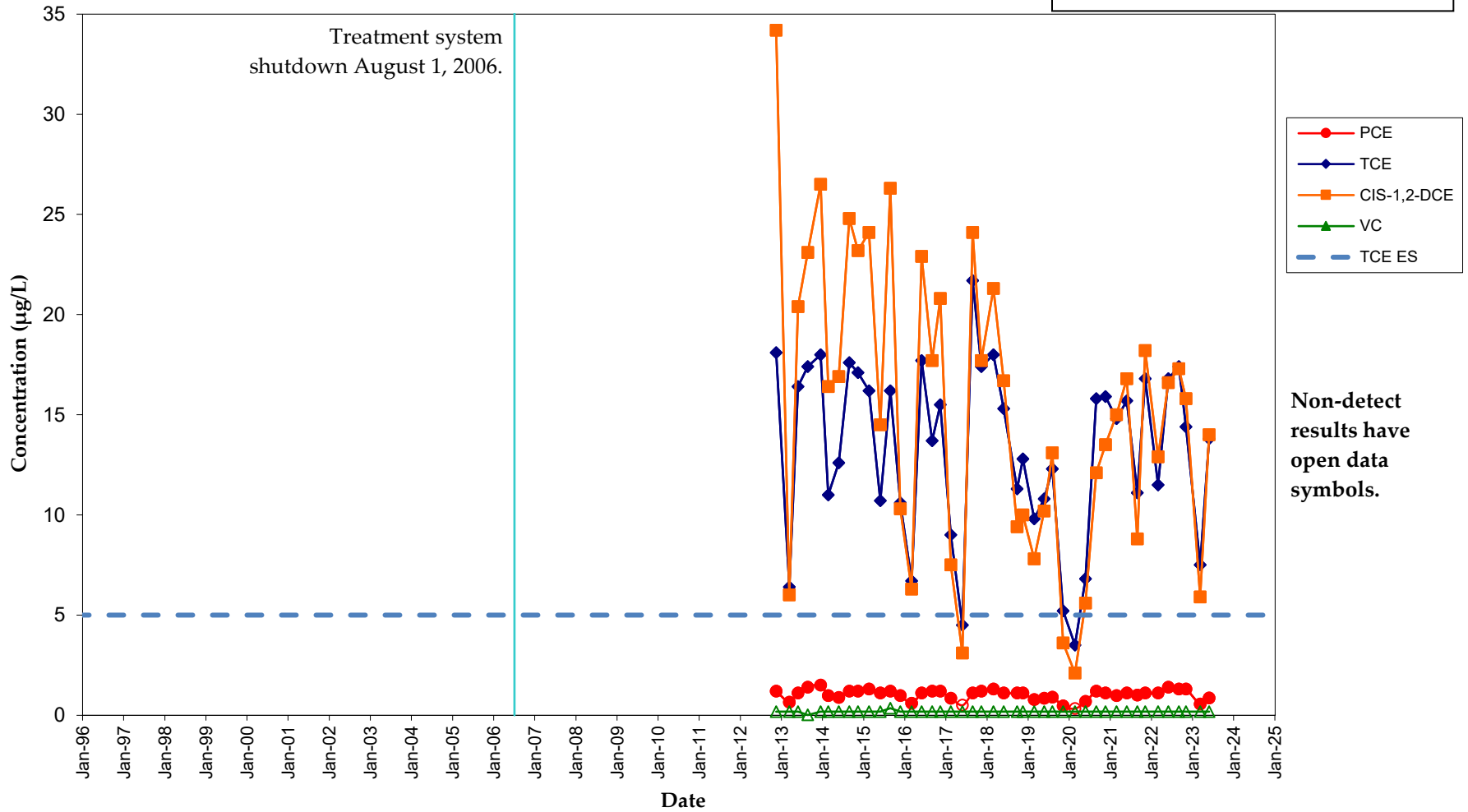
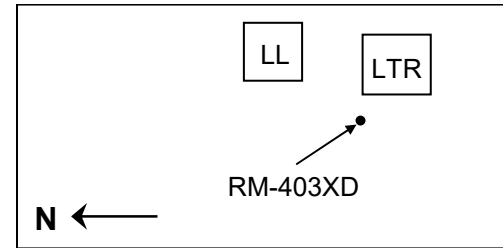
RM-402XD VOC Concentration Trends Lemberger Landfill



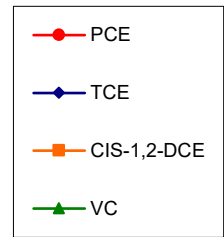
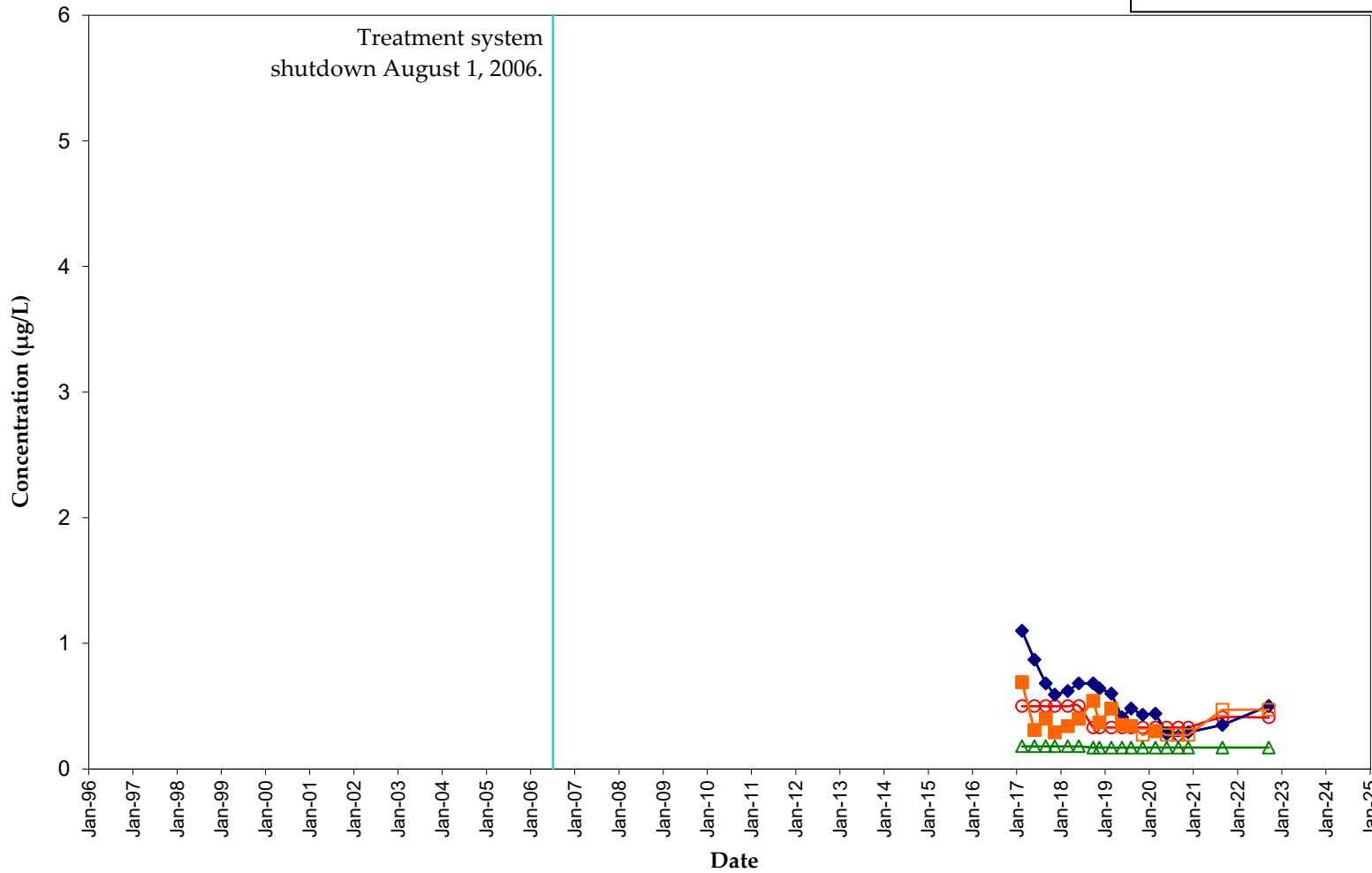
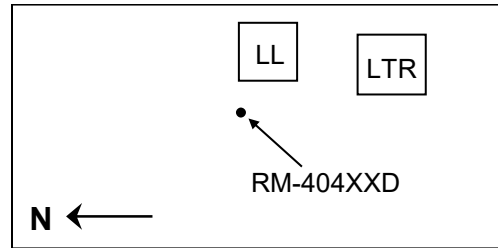
RM-402XXD VOC Concentration Trends Lemberger Landfill



RM-403XD VOC Concentration Trends Lemberger Landfill

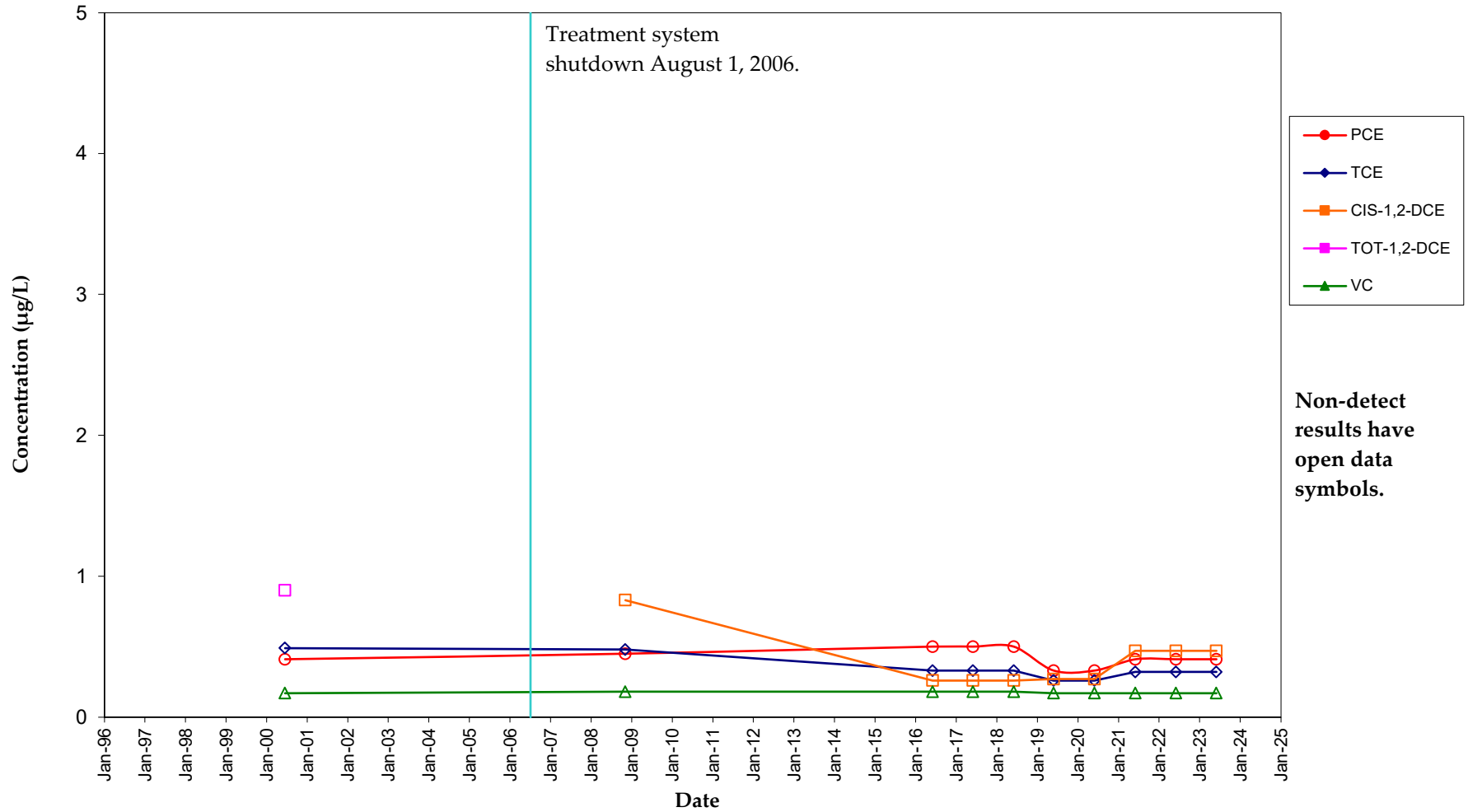


RM-404XXD VOC Concentration Trends Lemberger Landfill

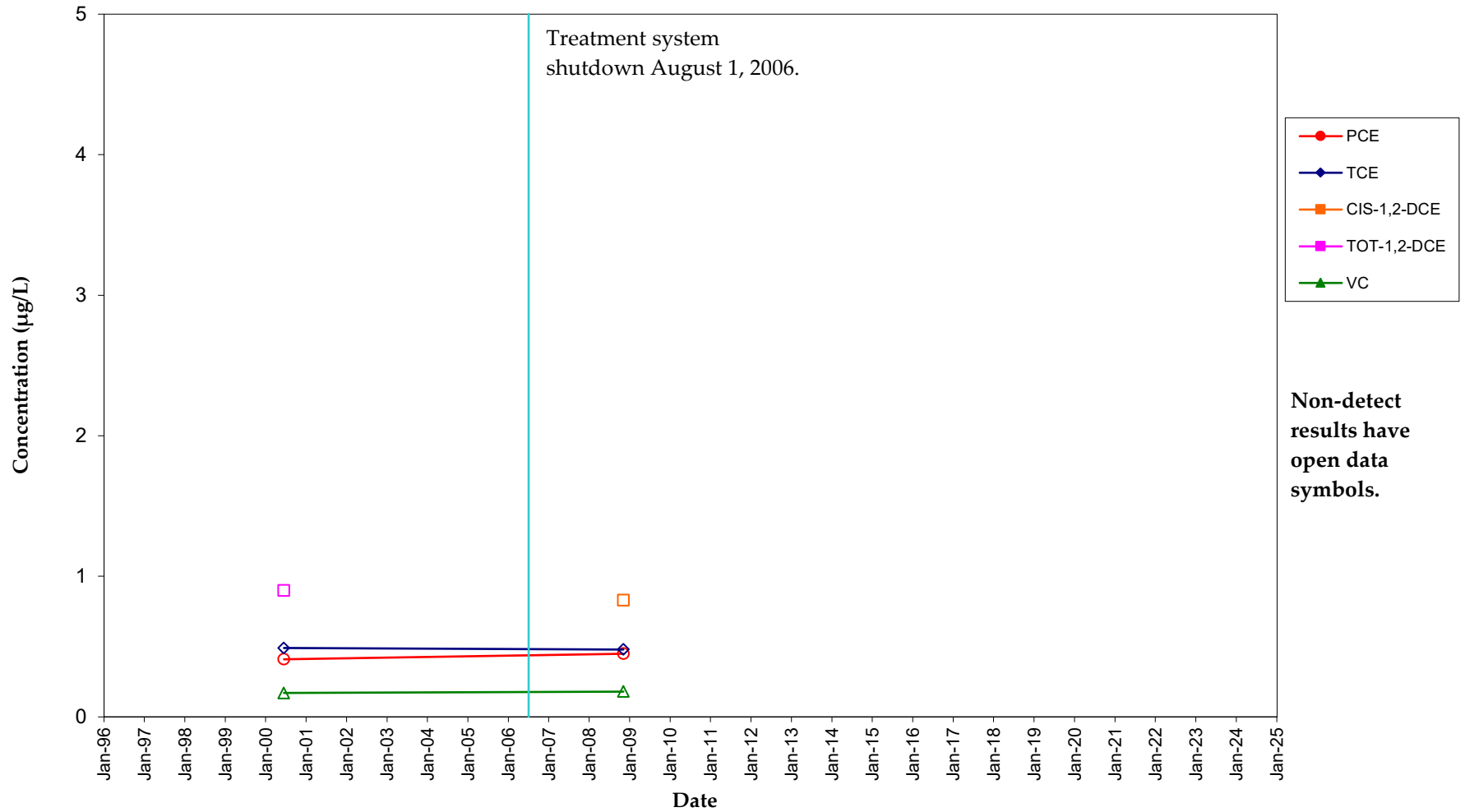


Non-detect results have open data symbols.

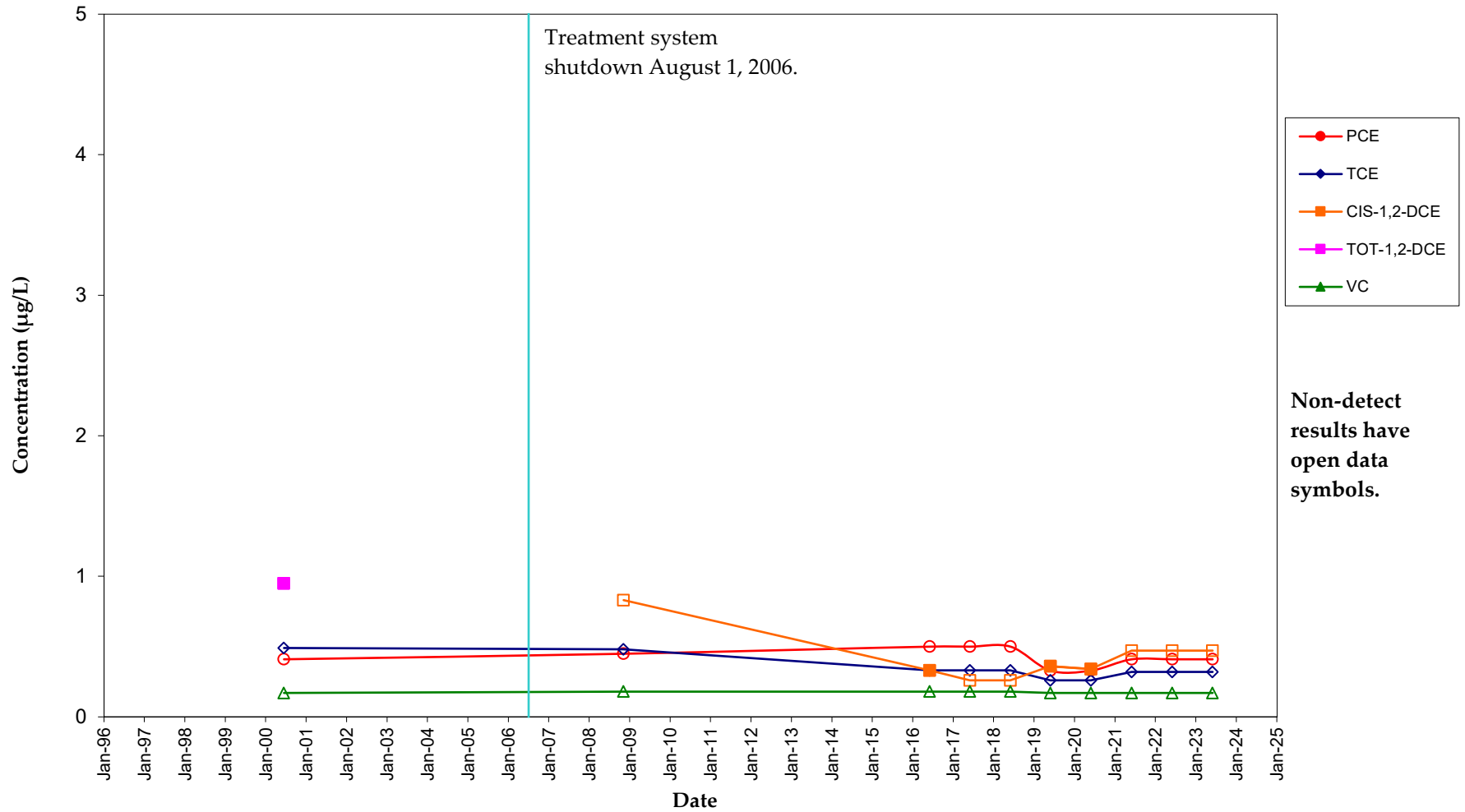
LH-01 VOC Concentration Trends Lemberger Landfill



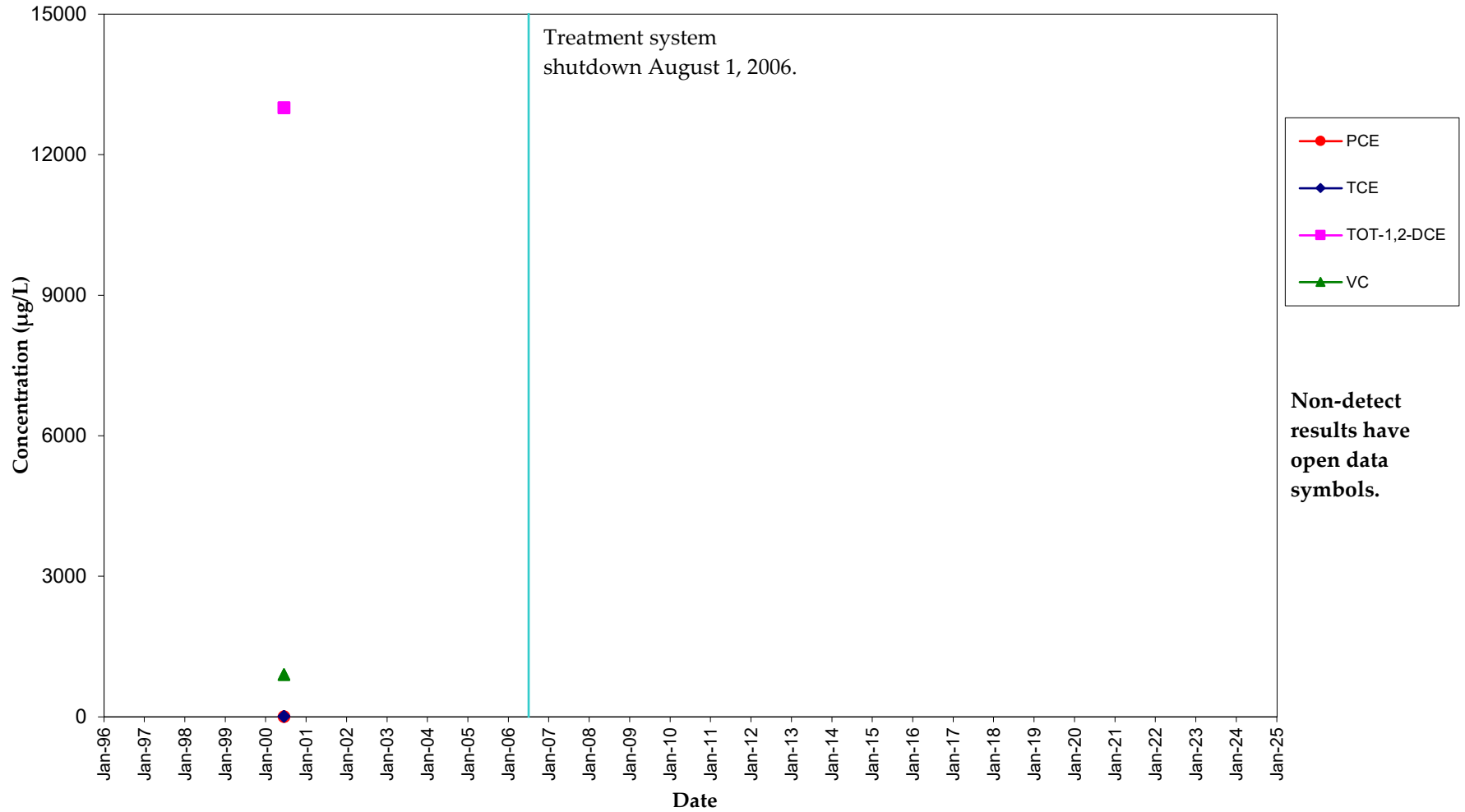
LH-02B VOC Concentration Trends Lemberger Landfill



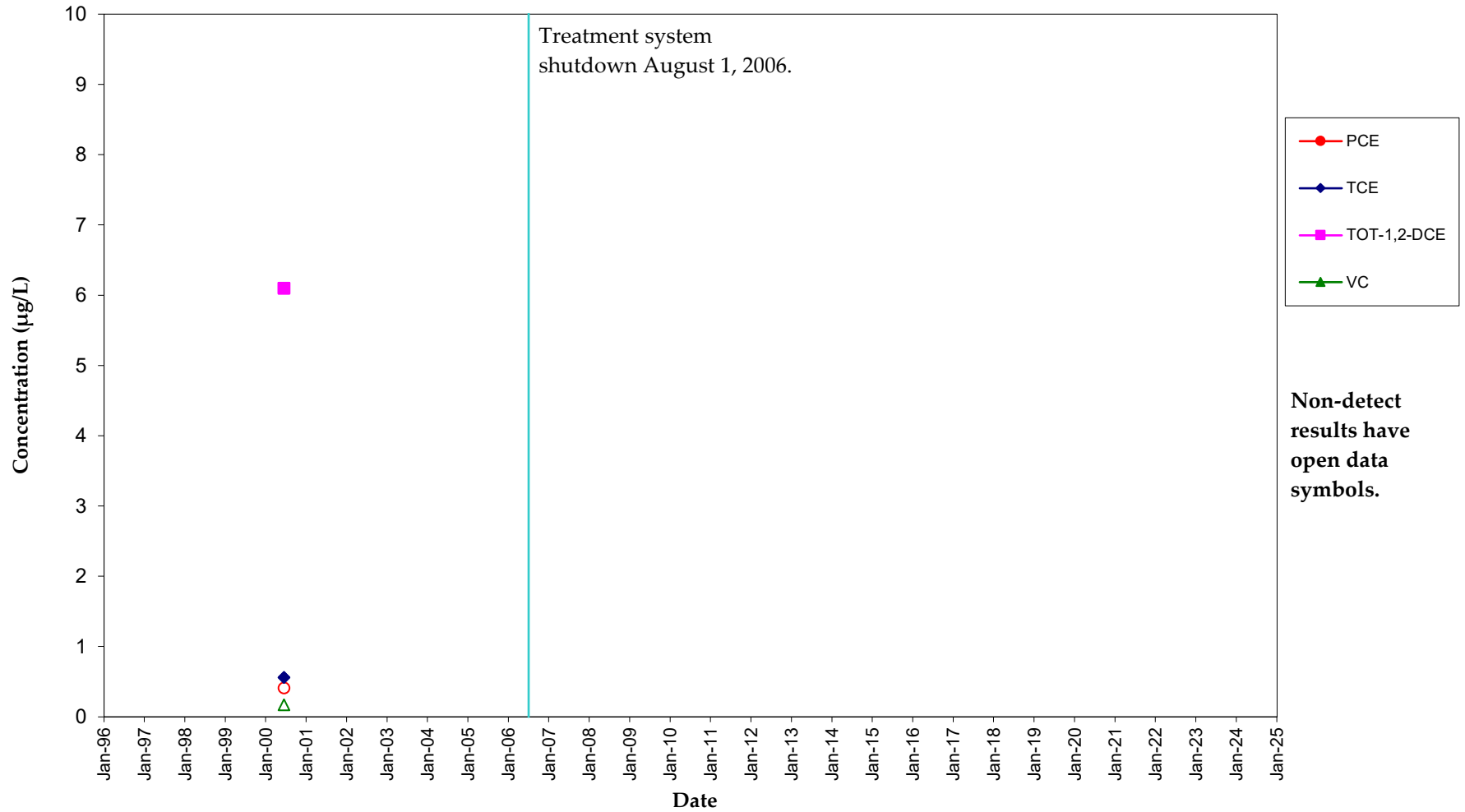
LH-03 VOC Concentration Trends Lemberger Landfill



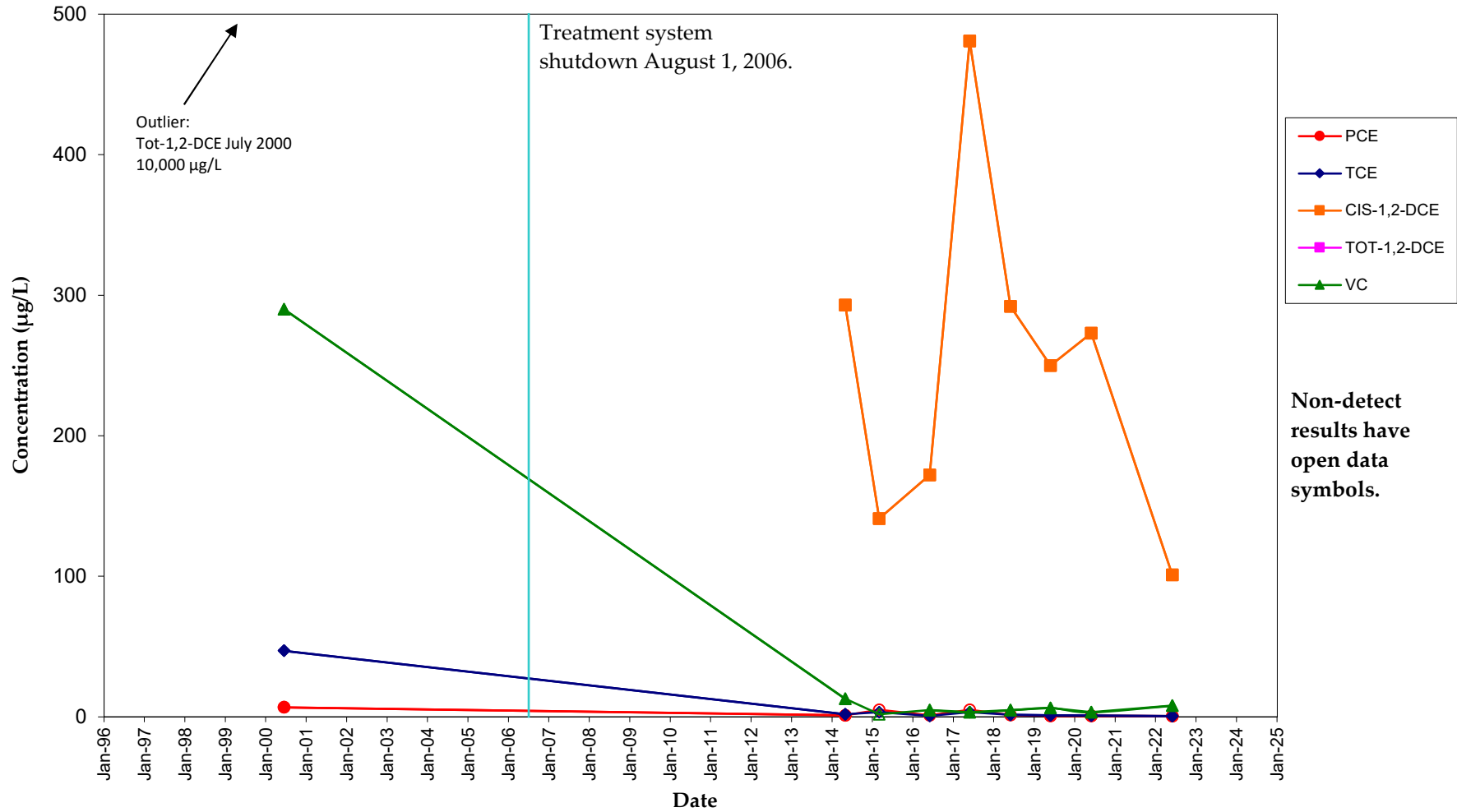
LH-04 VOC Concentration Trends Lemberger Landfill



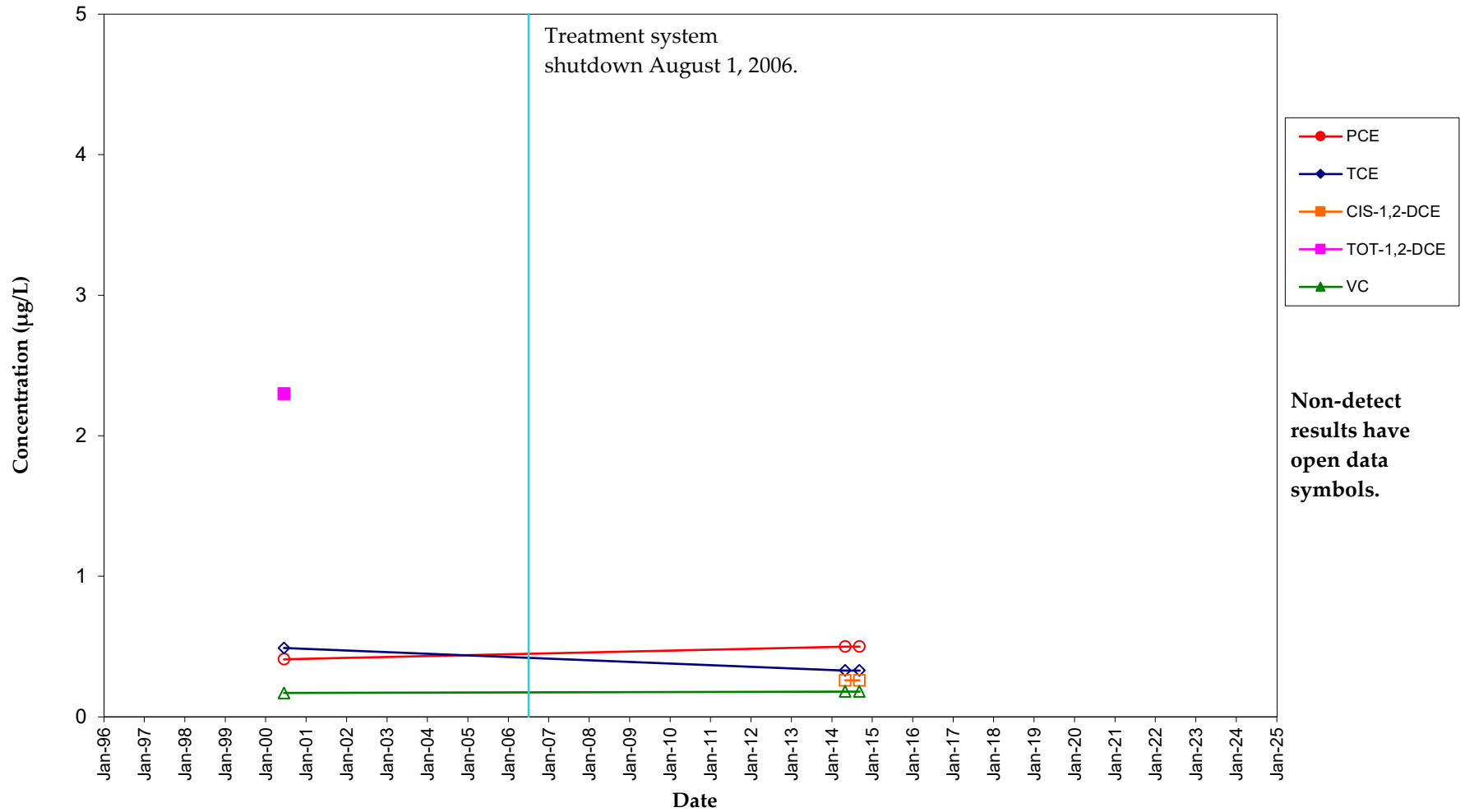
LH-05 VOC Concentration Trends Lemberger Landfill



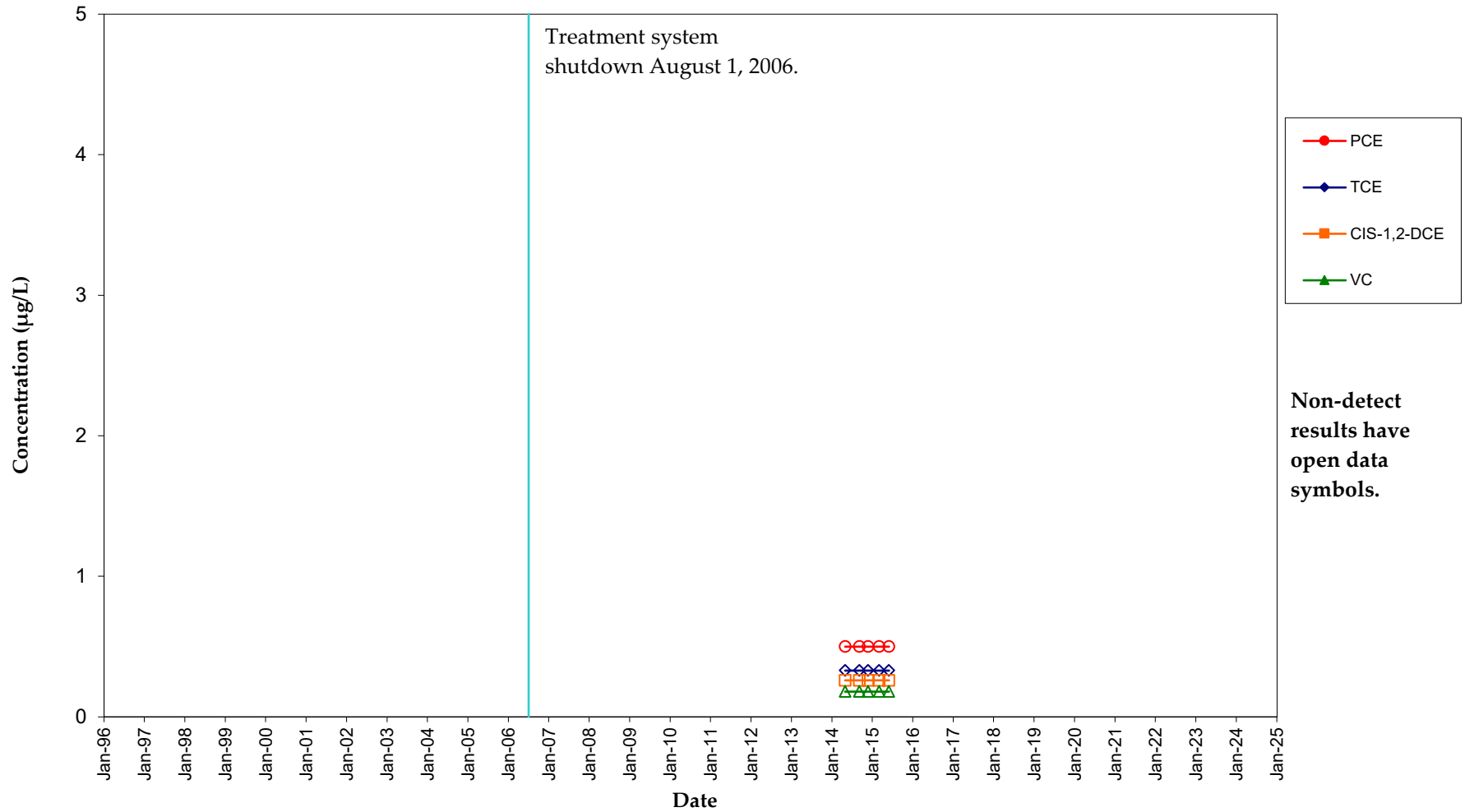
LH-06 VOC Concentration Trends Lemberger Landfill



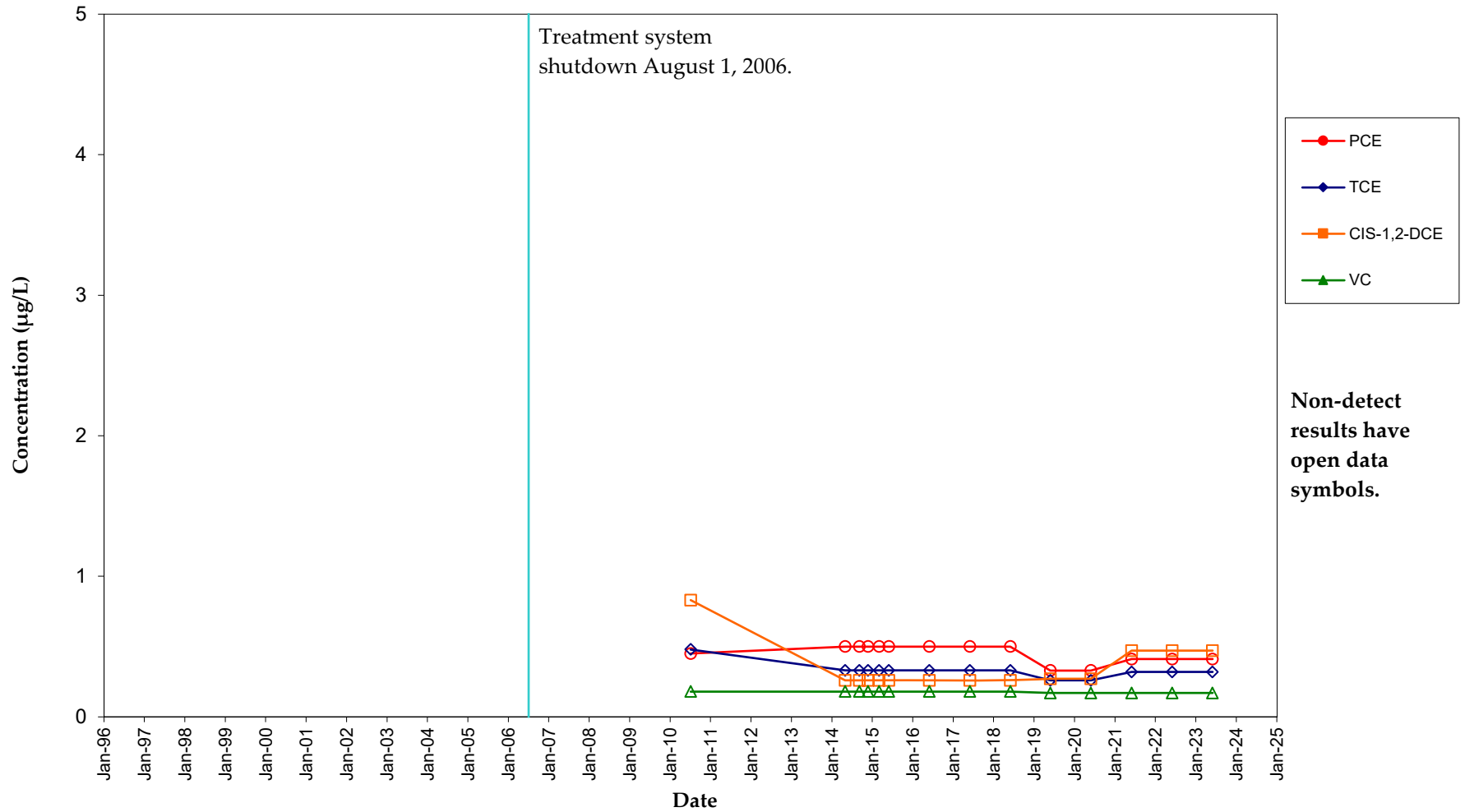
LH-07 VOC Concentration Trends Lemberger Landfill



LW-01 VOC Concentration Trends Lemberger Landfill

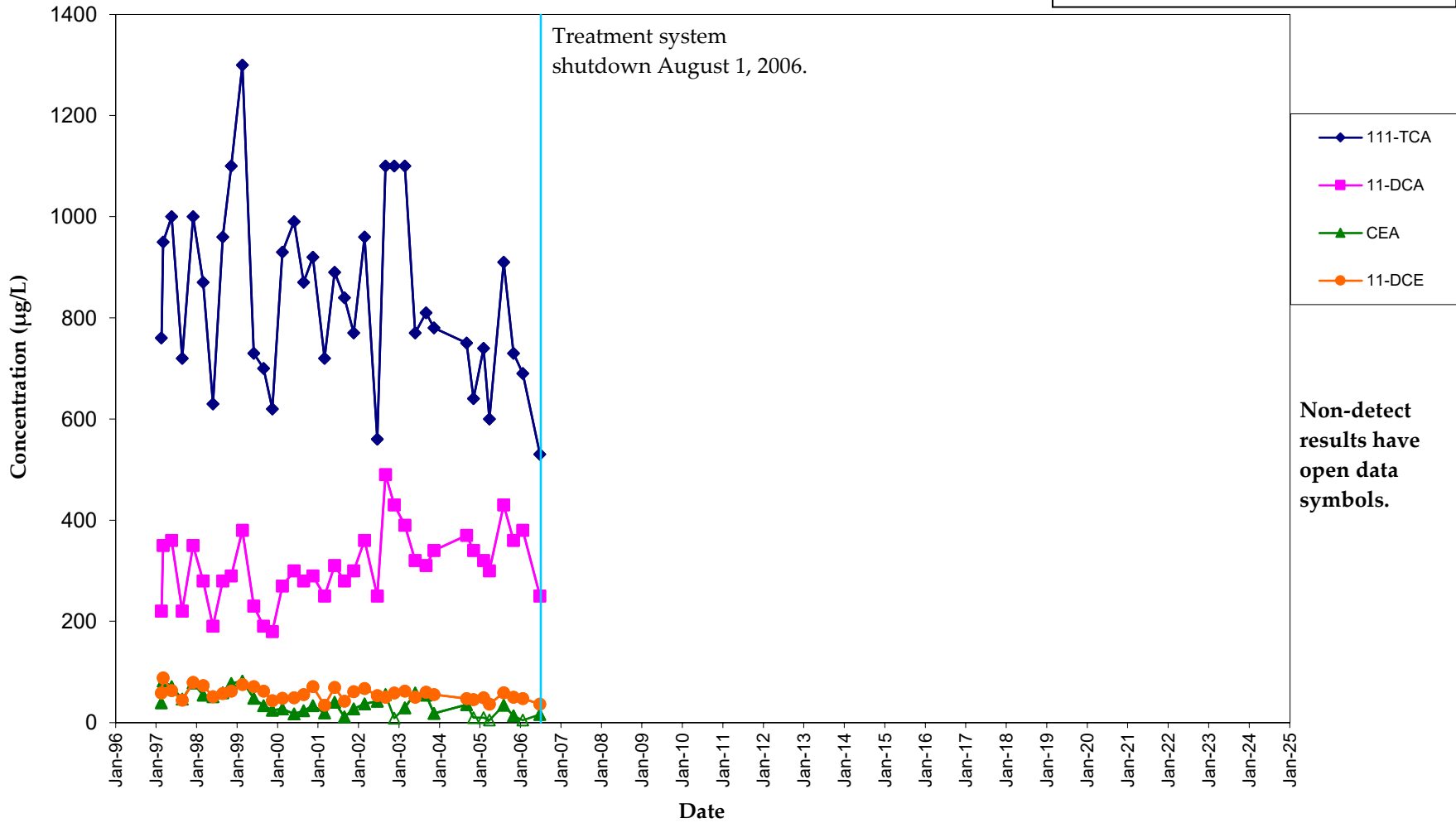
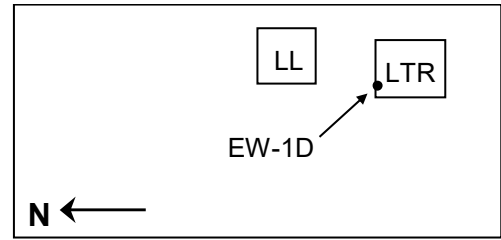


LW-07 VOC Concentration Trends Lemberger Landfill



Appendix H: VOC Trend Plots – 1,1,1-TCA and Degradation Products

**EW-01D
VOC Concentration Trends
Lemberger Landfill**



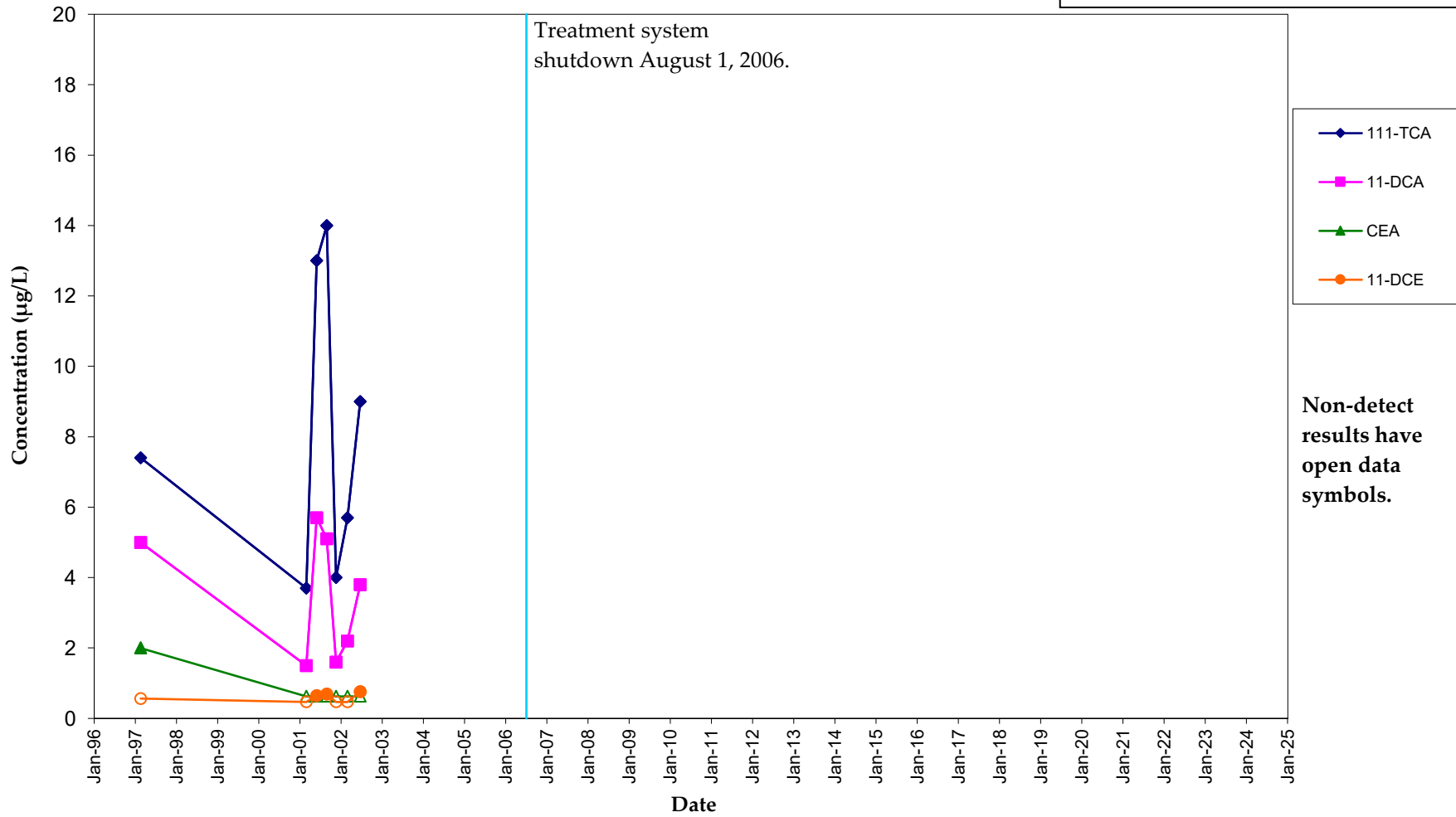
EW-02D VOC Concentration Trends Lemberger Landfill

LL

LTR

• EW-02D

N ←



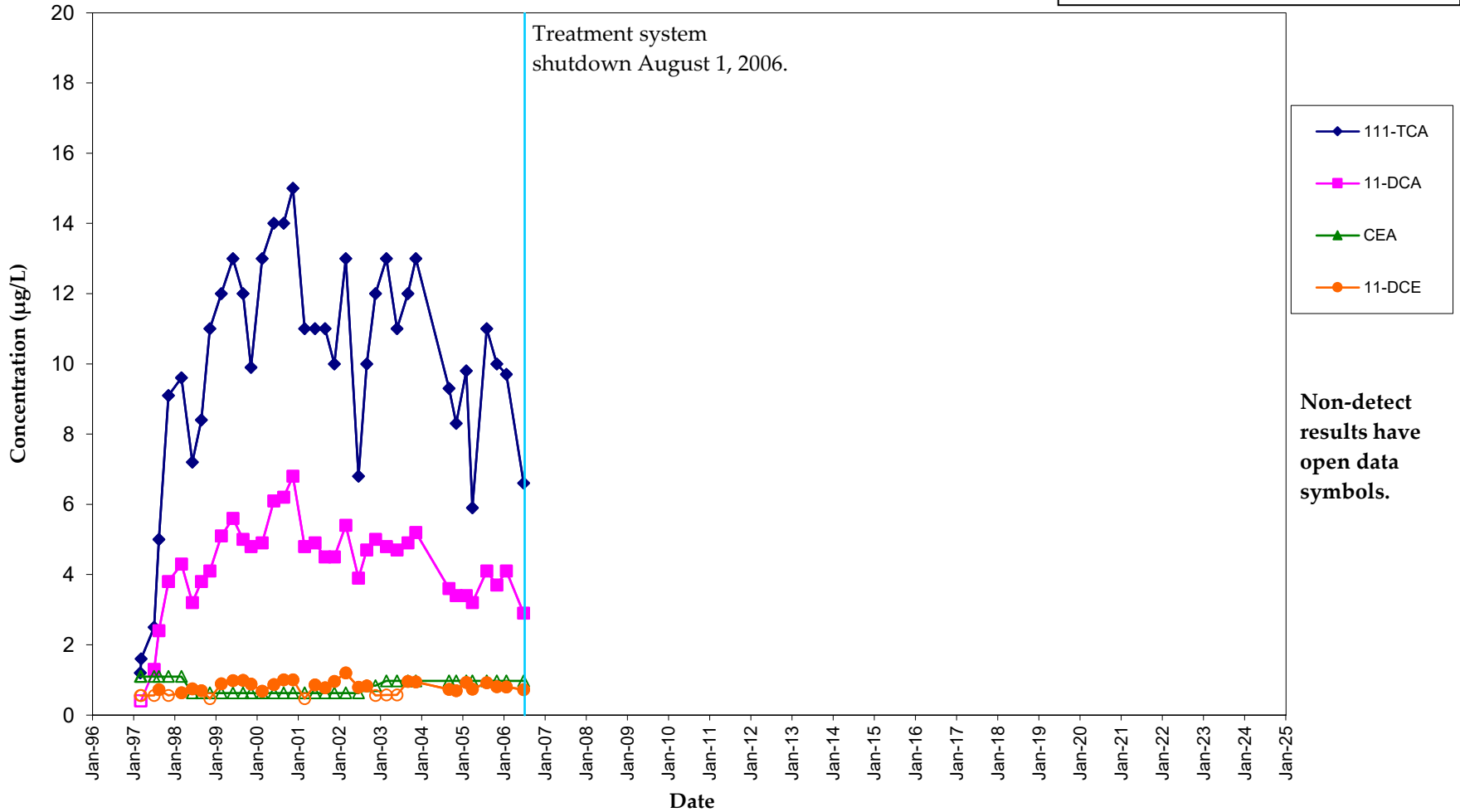
- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

Non-detect results have open data symbols.

EW-03D VOC Concentration Trends Lemberger Landfill

● EW-3D LL LTR

N ←



**Non-detect
results have
open data
symbols.**

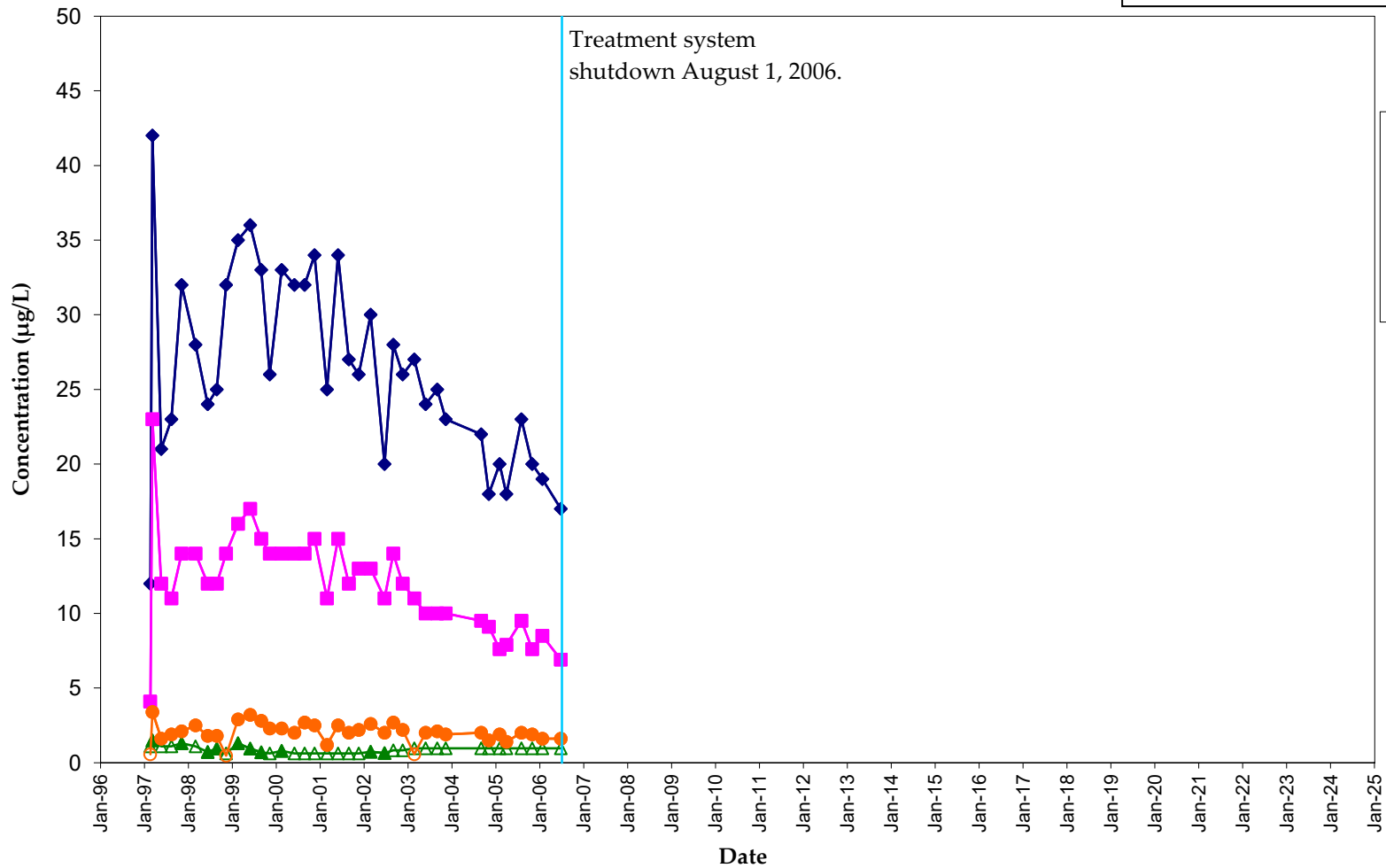
**EW-04D
VOC Concentration Trends
Lemberger Landfill**

LL

LTR

● EW-4I, 4D

N ←



- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

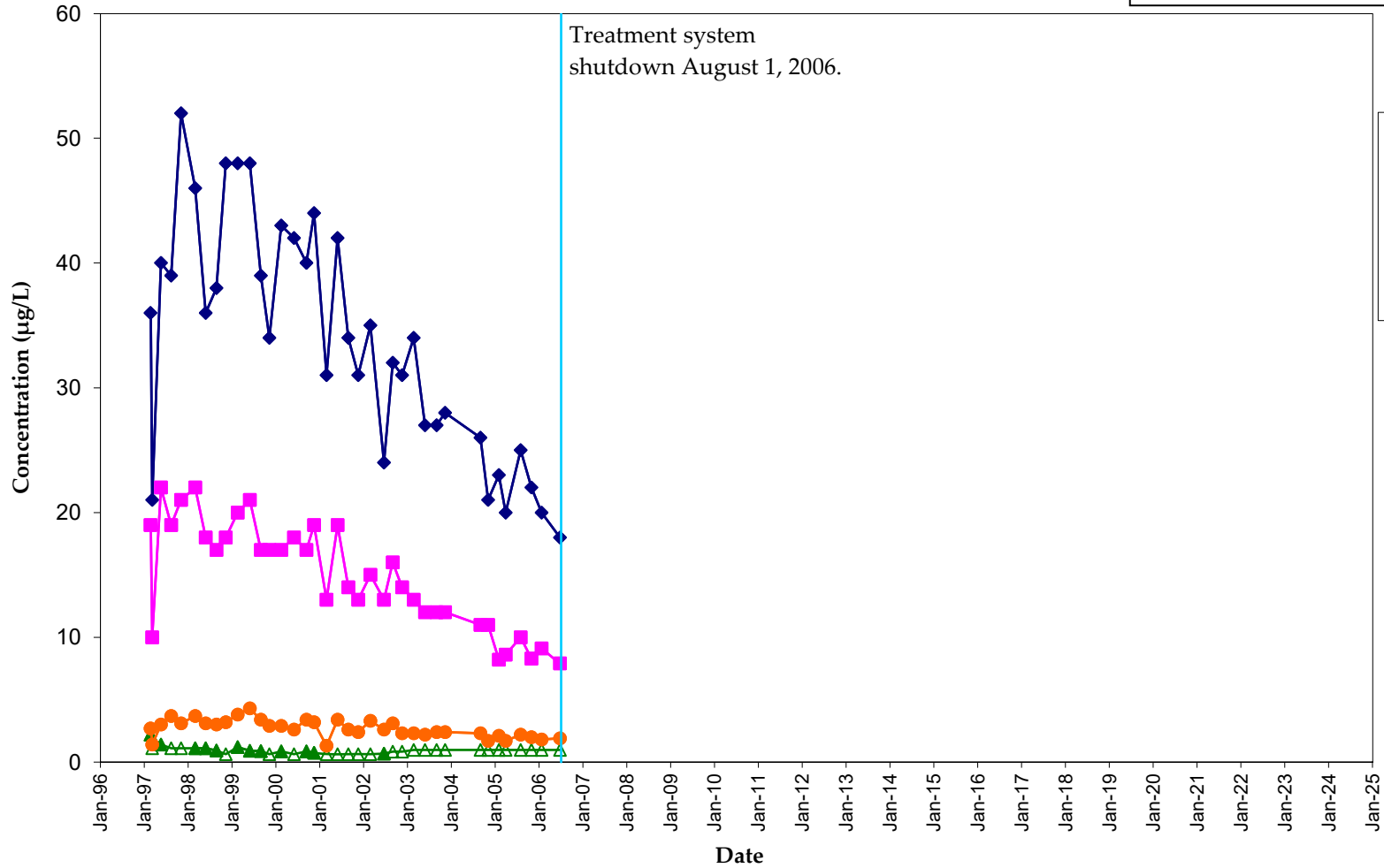
**Non-detect
results have
open data
symbols.**

**EW-04I
VOC Concentration Trends
Lemberger Landfill**

LL
LTR

● EW-4I, 4D

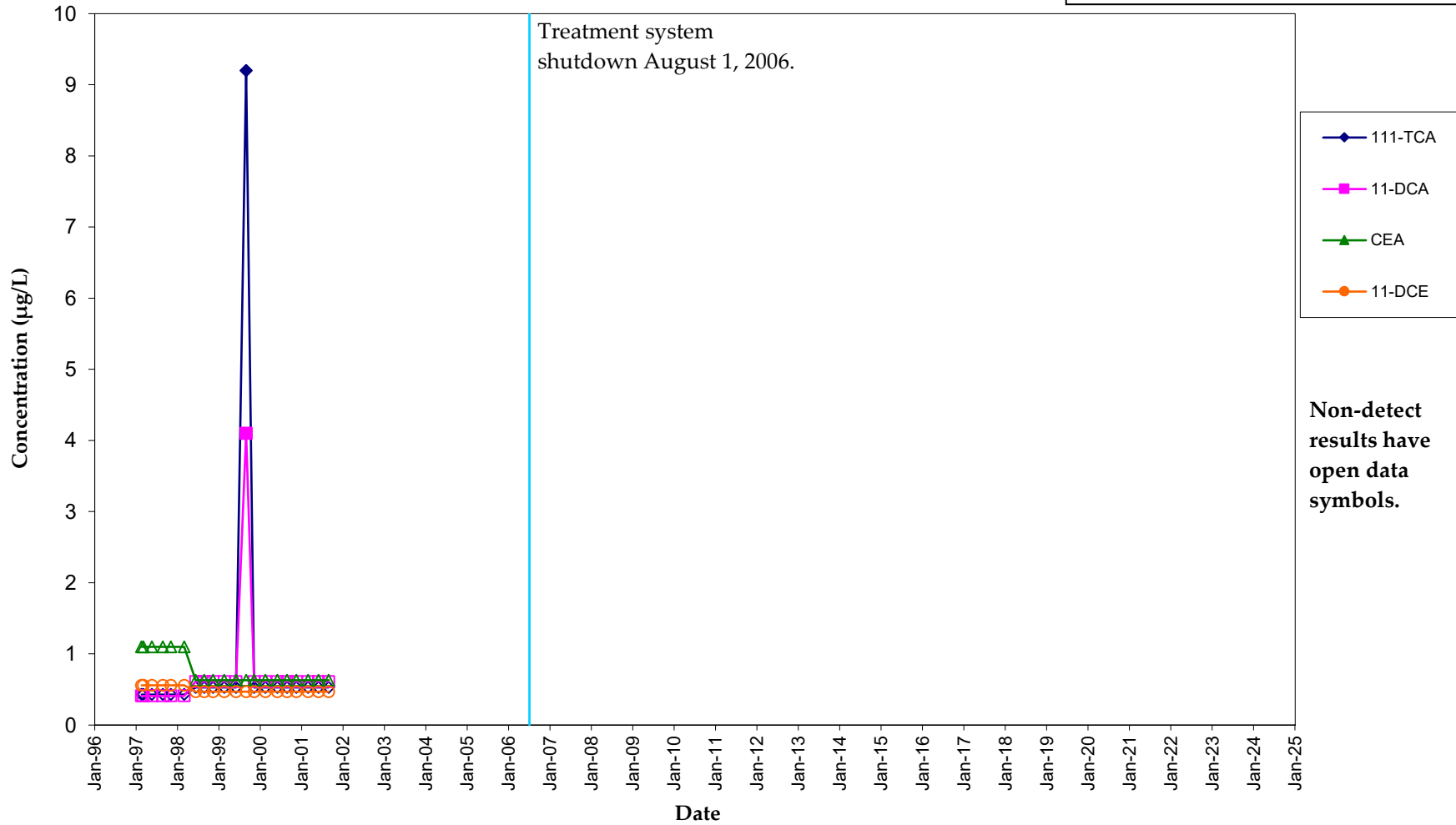
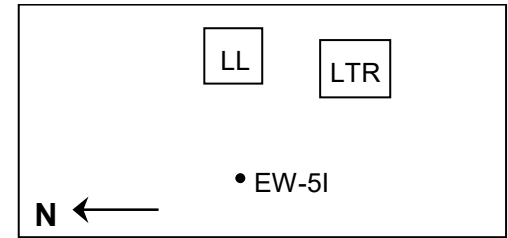
N ←



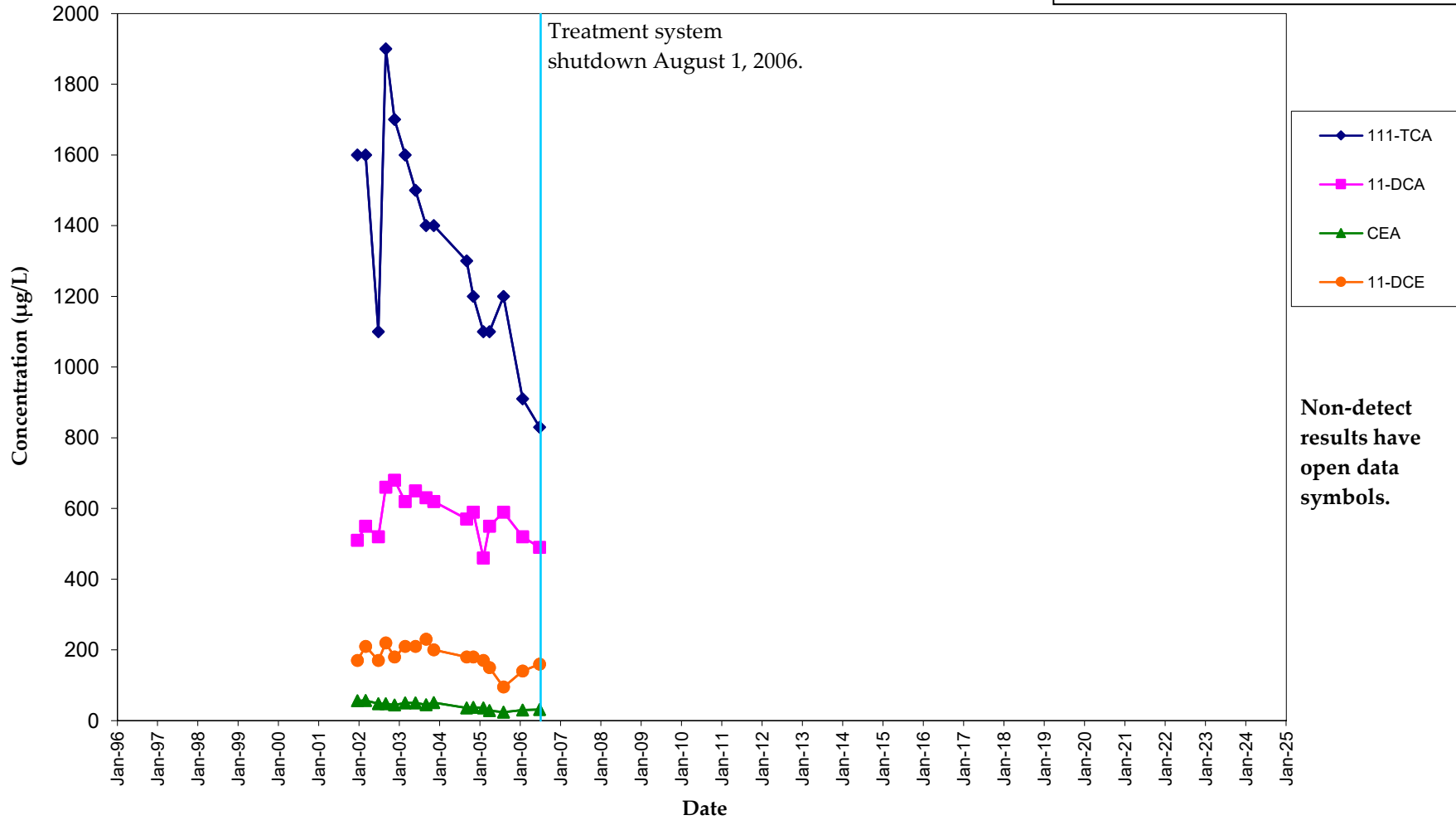
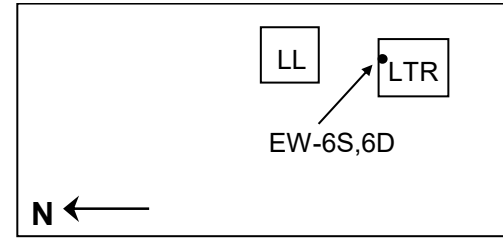
◆ 111-TCA
■ 11-DCA
▲ CEA
● 11-DCE

Non-detect results have open data symbols.

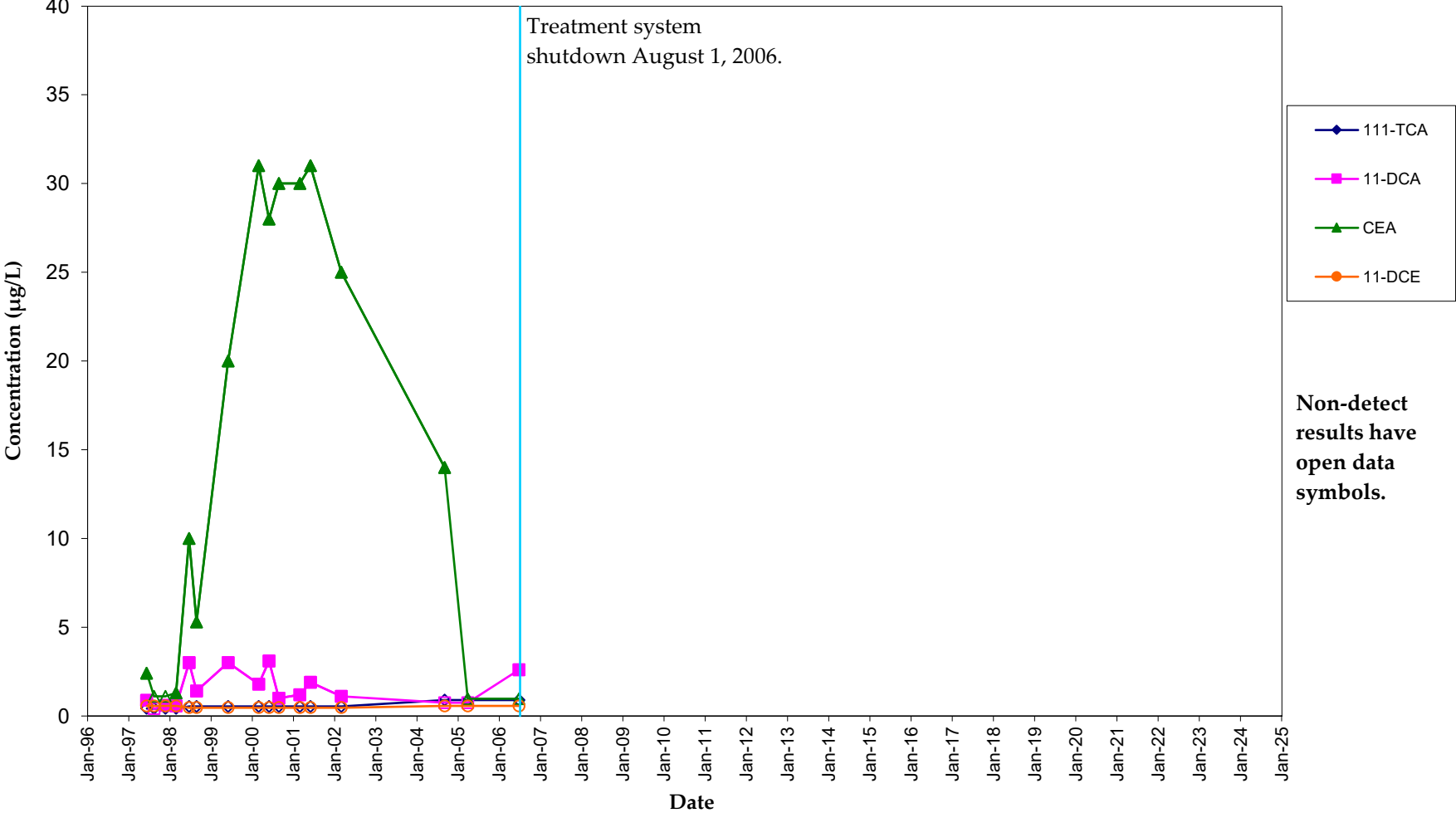
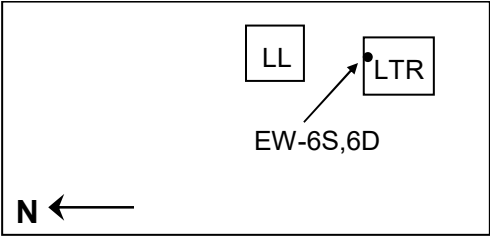
EW-05I
VOC Concentration Trends
Lemberger Landfill



**EW-06D
VOC Concentration Trends
Lemberger Landfill**

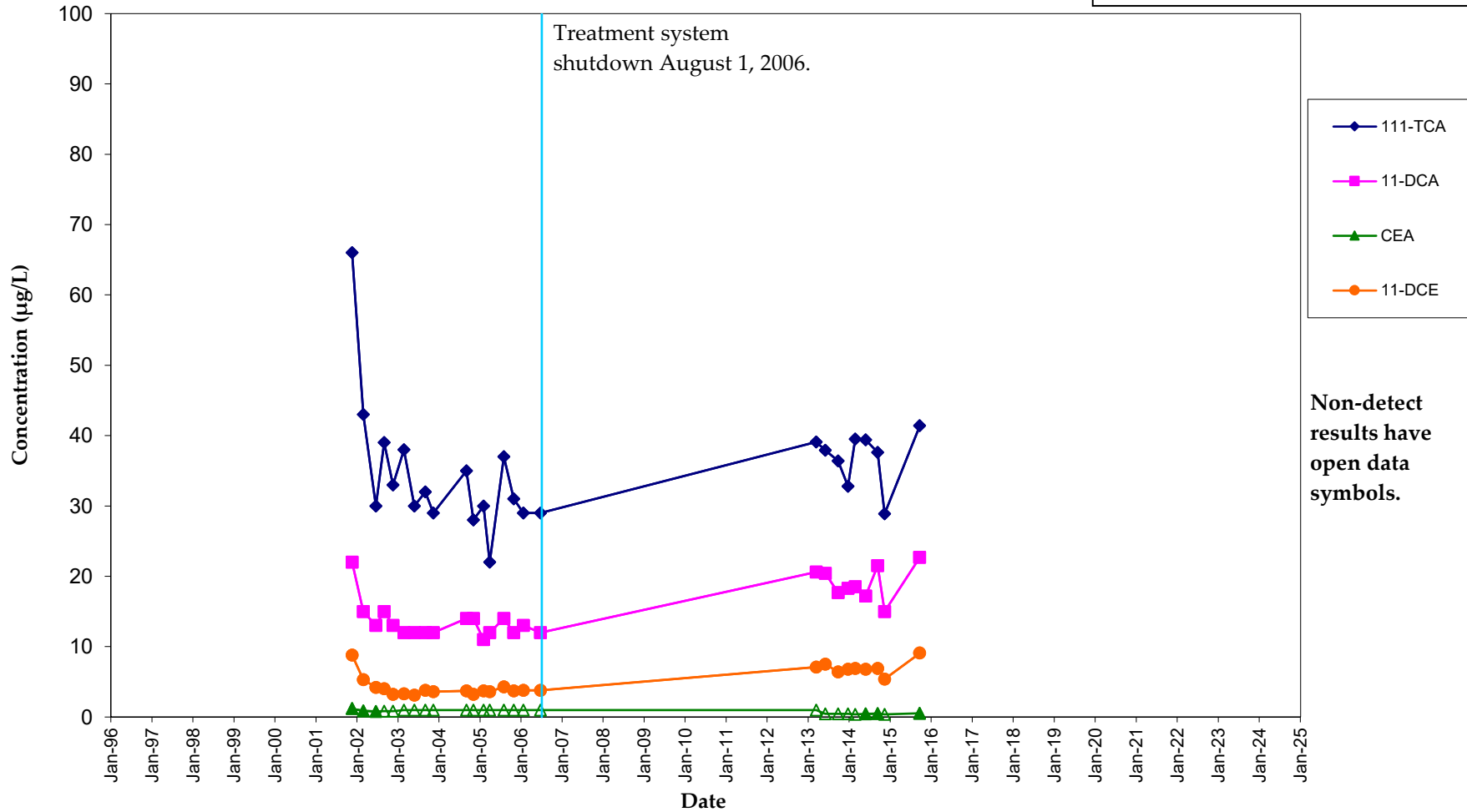
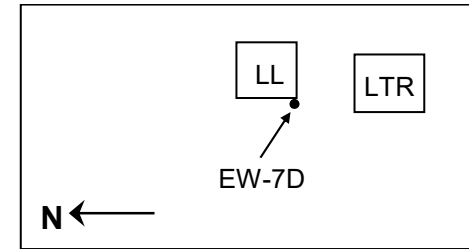


EW-06S VOC Concentration Trends Lemberger Landfill

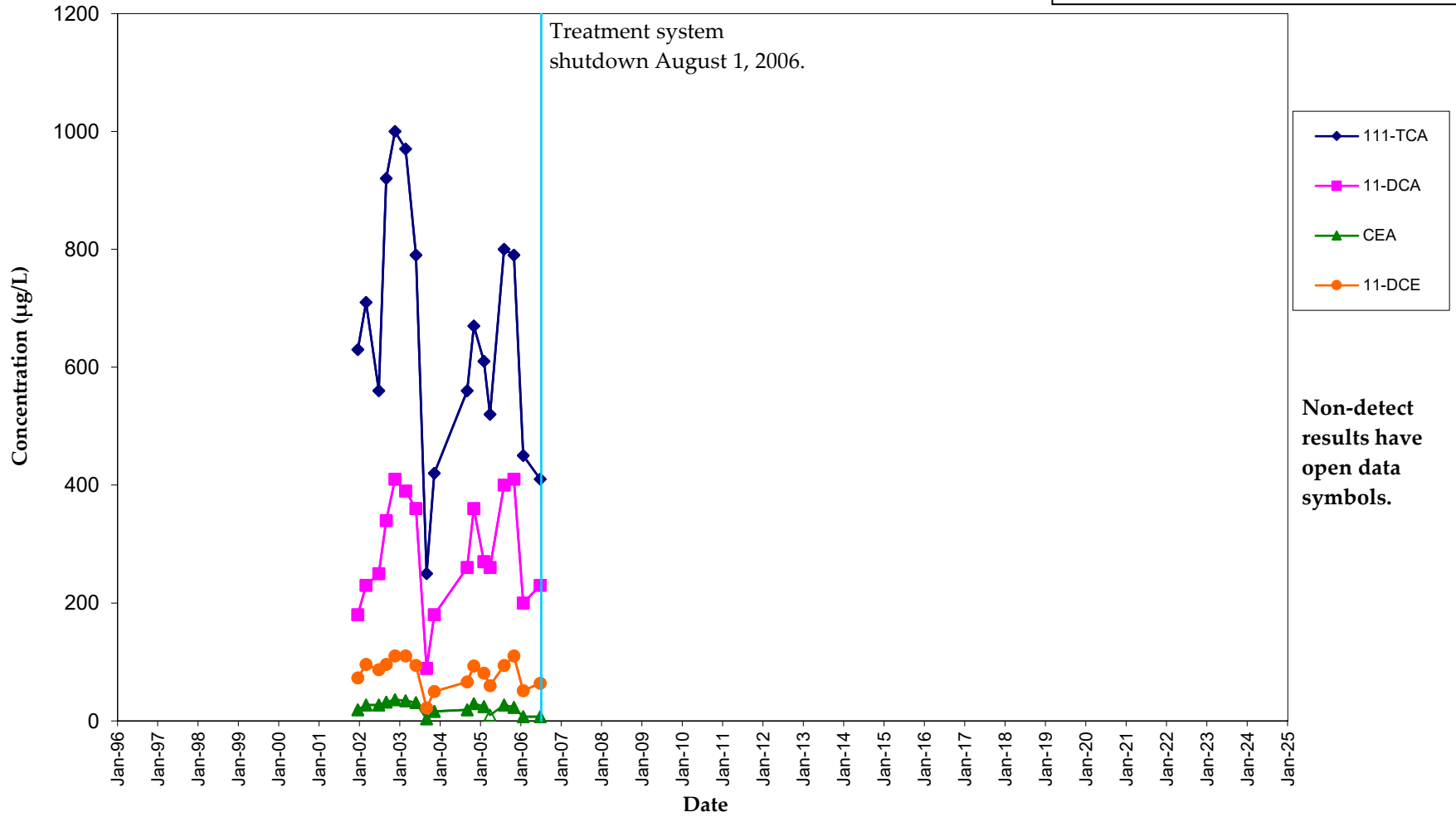
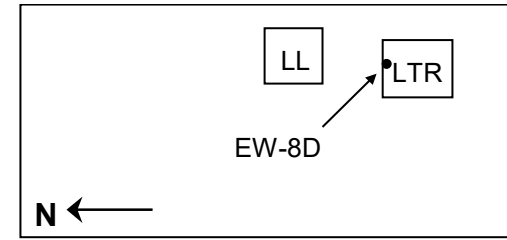


Non-detect results have open data symbols.

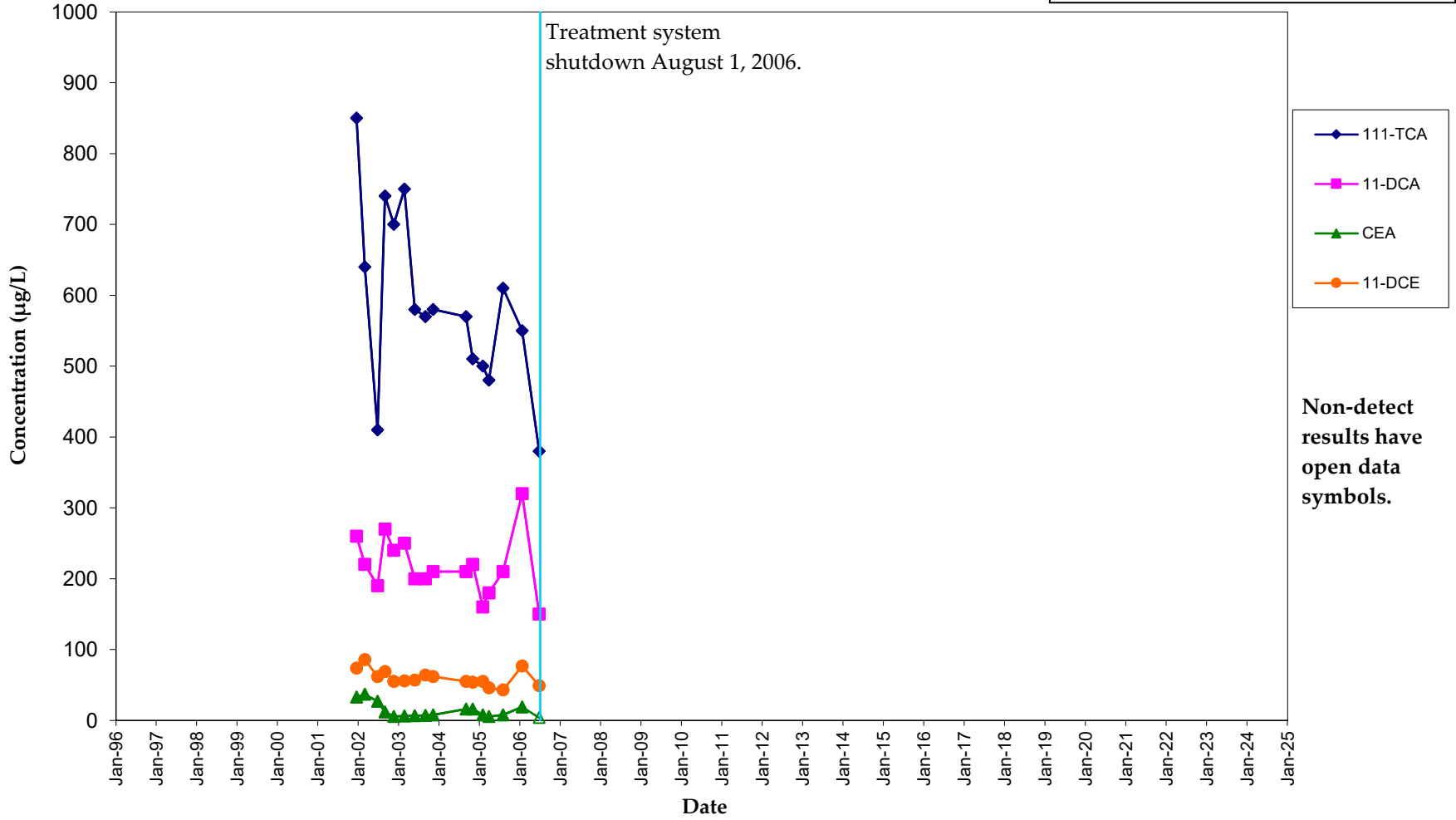
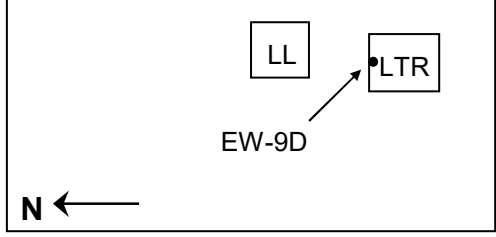
**EW-07D
VOC Concentration Trends
Lemberger Landfill**



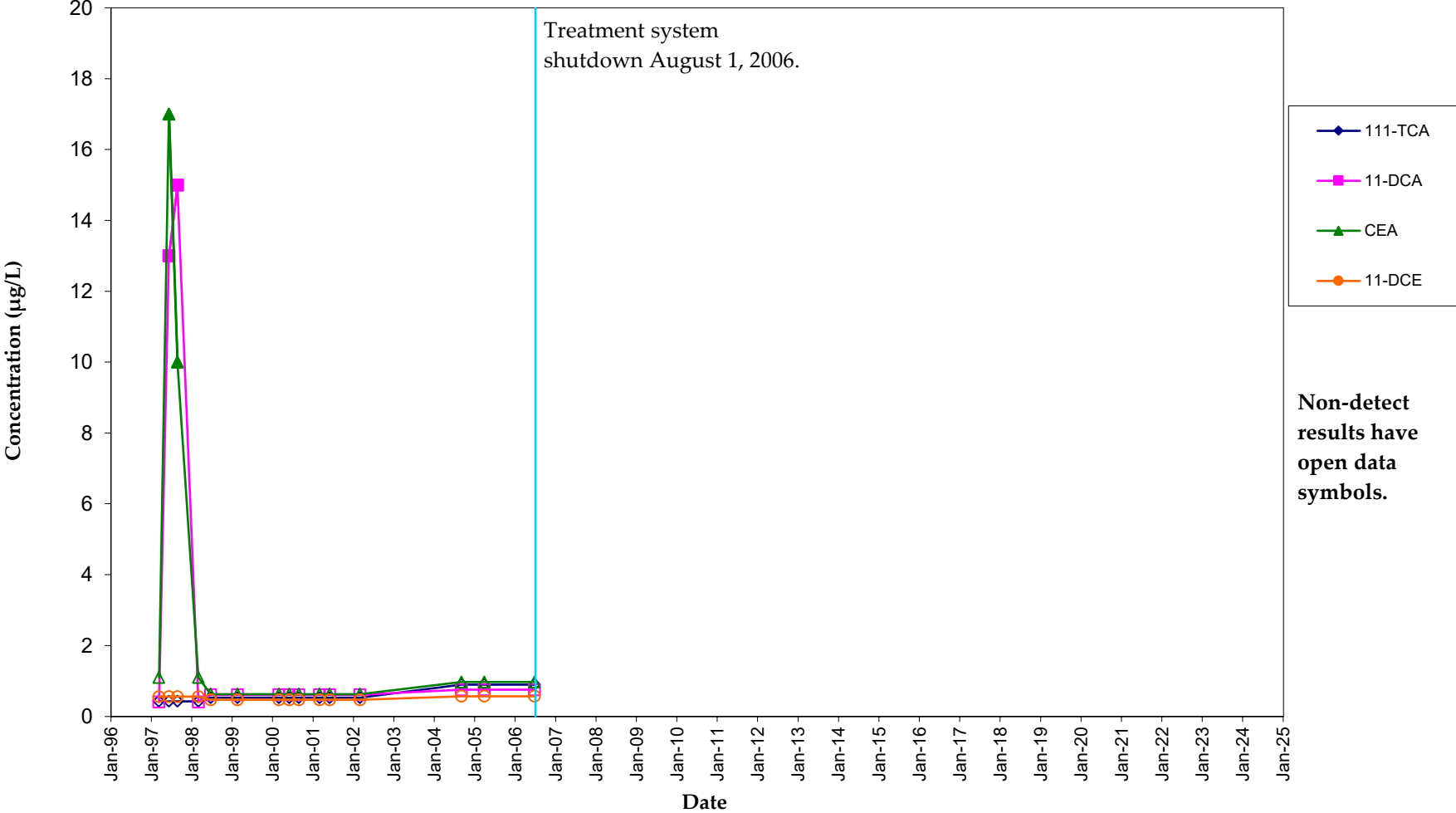
**EW-08D
VOC Concentration Trends
Lemberger Landfill**



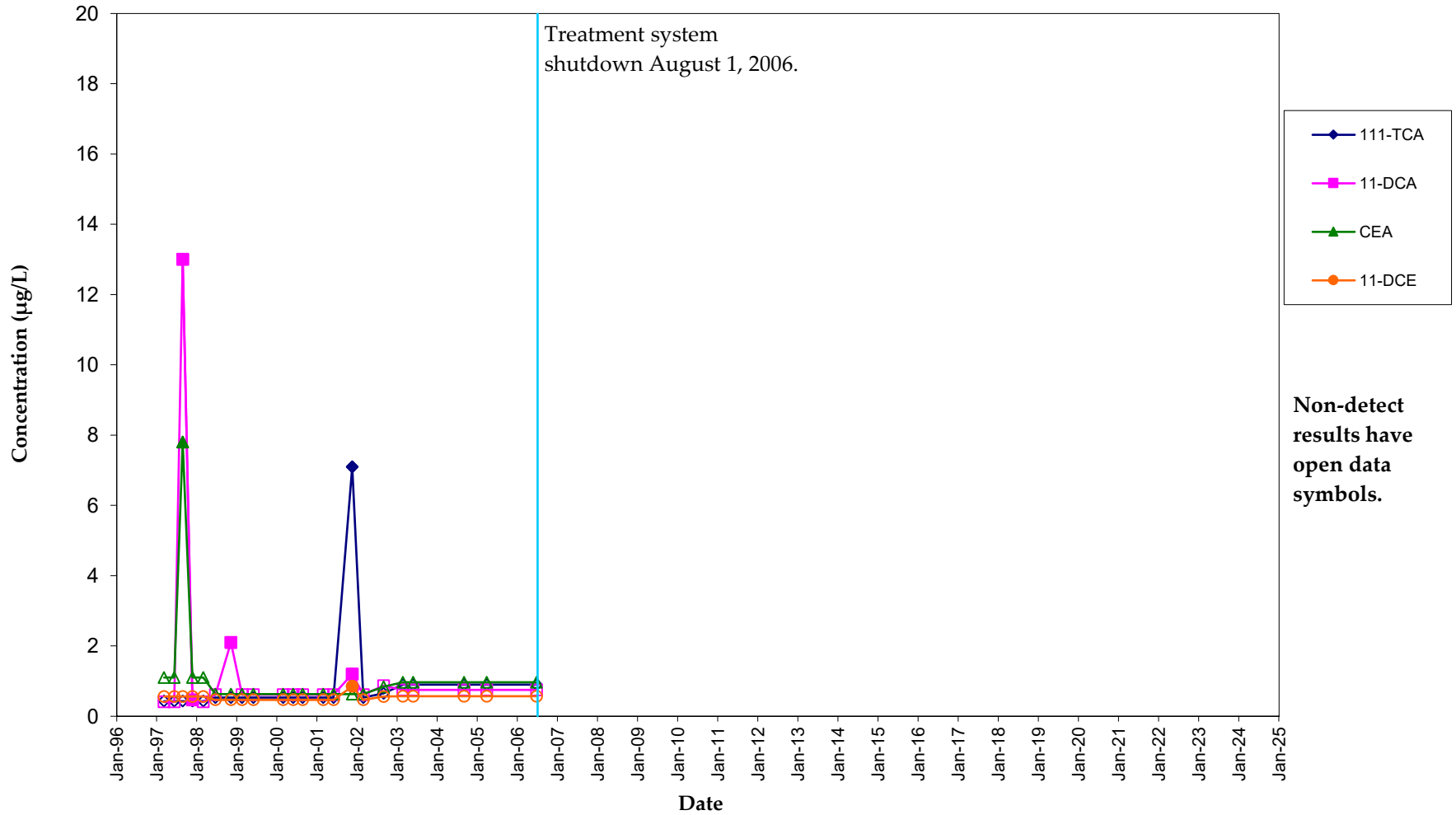
**EW-09D
VOC Concentration Trends
Lemberger Landfill**



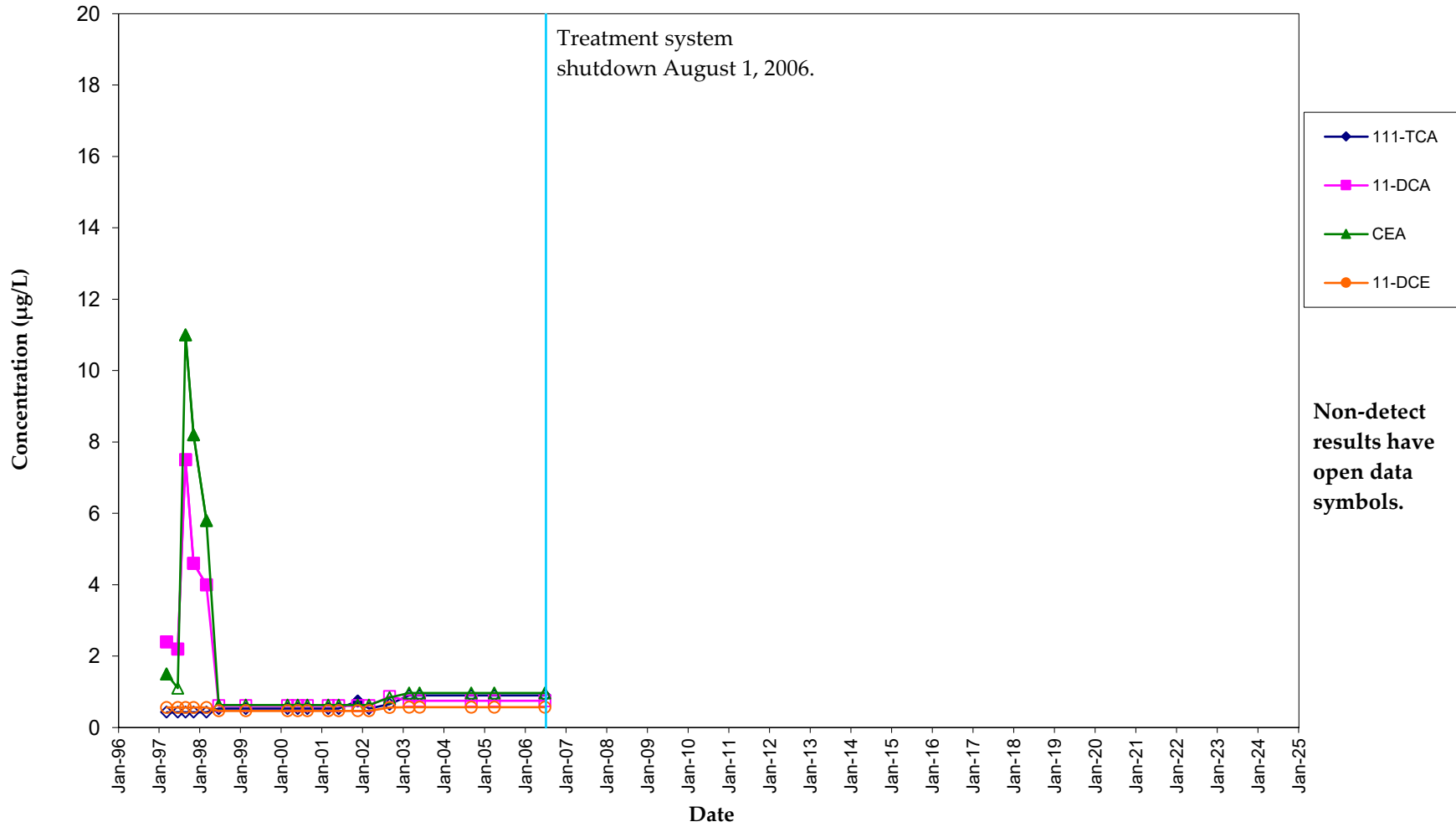
**GWC-1
VOC Concentration Trends
Lemberger Landfill**



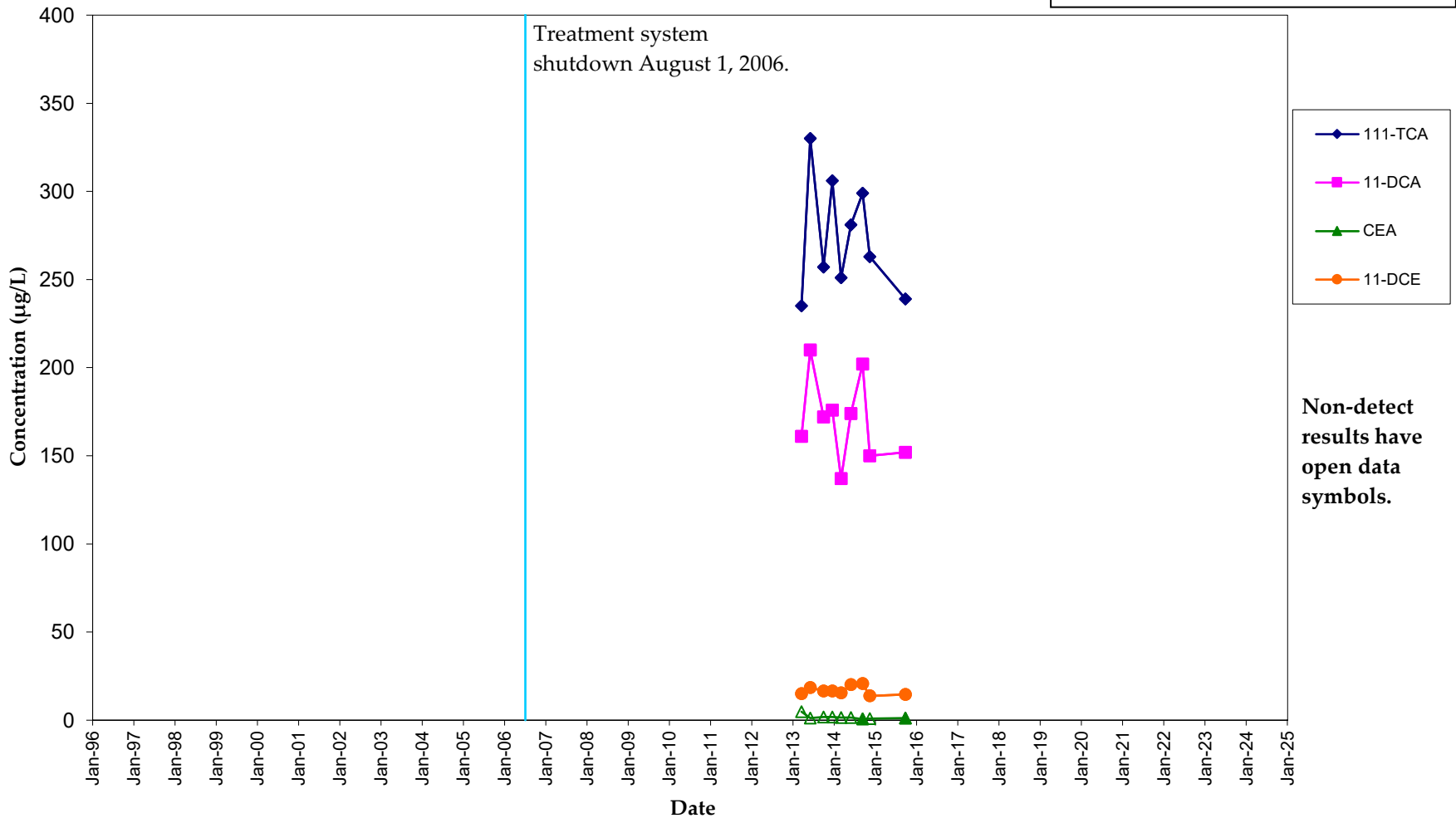
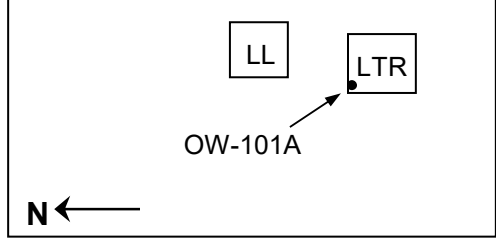
GWC-2 VOC Concentration Trends Lemberger Landfill



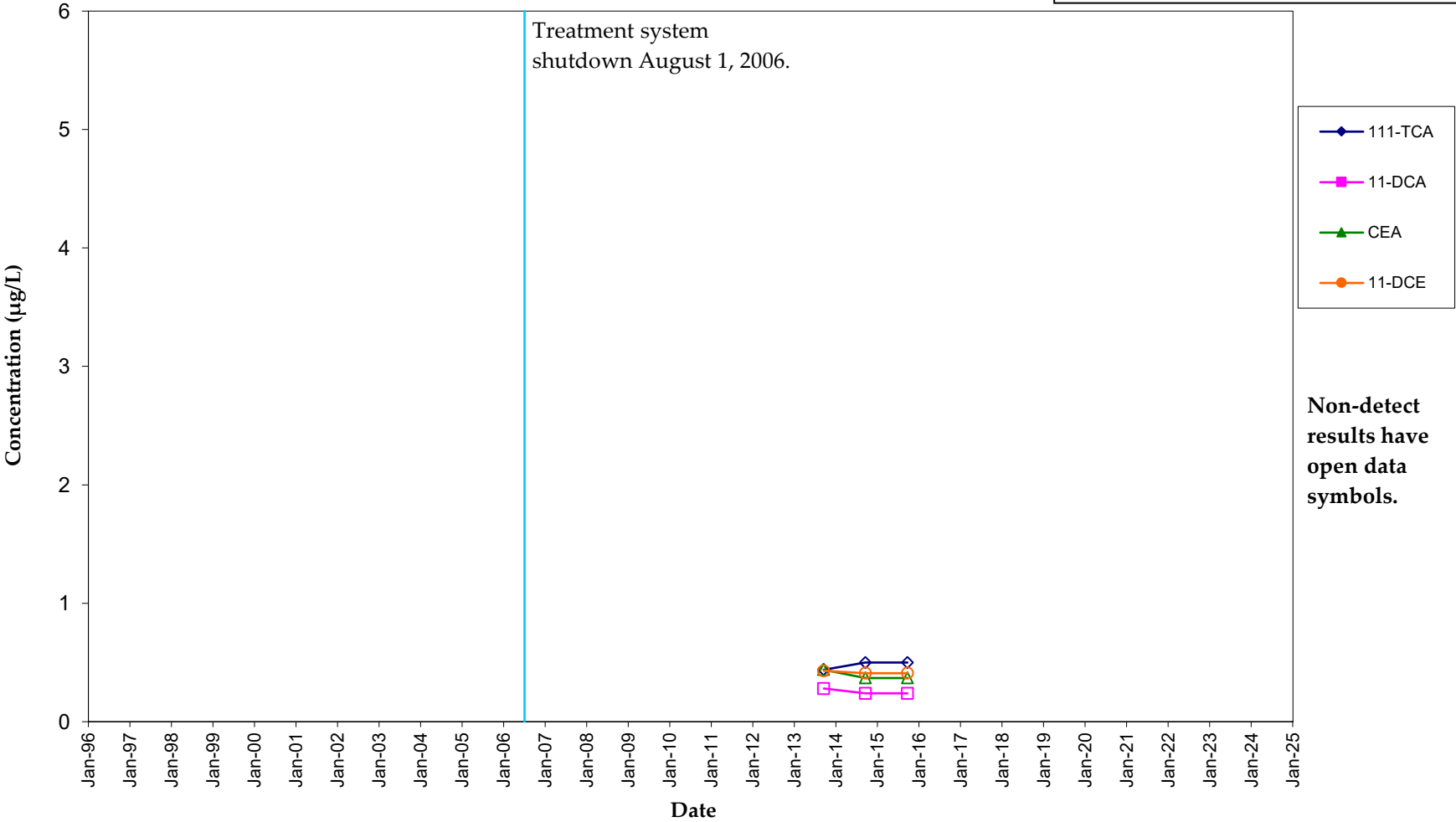
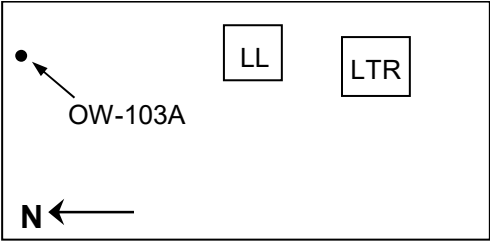
GWC-3 VOC Concentration Trends Lemberger Landfill



OW-101A VOC Concentration Trends Lemberger Landfill



OW-103A VOC Concentration Trends Lemberger Landfill



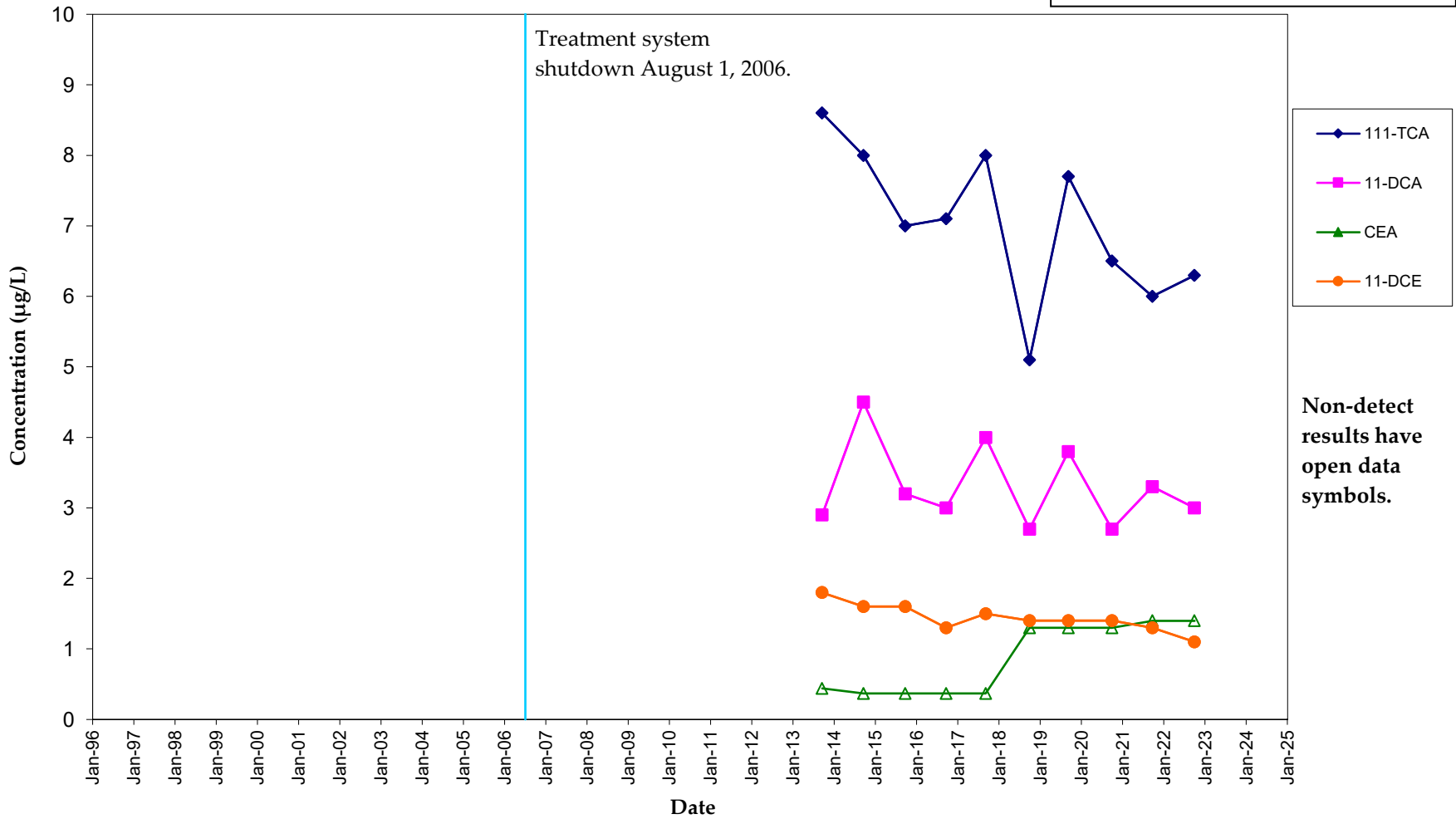
**OW-104F
VOC Concentration Trends
Lemberger Landfill**

LL

LTR

OW-104F

N ←



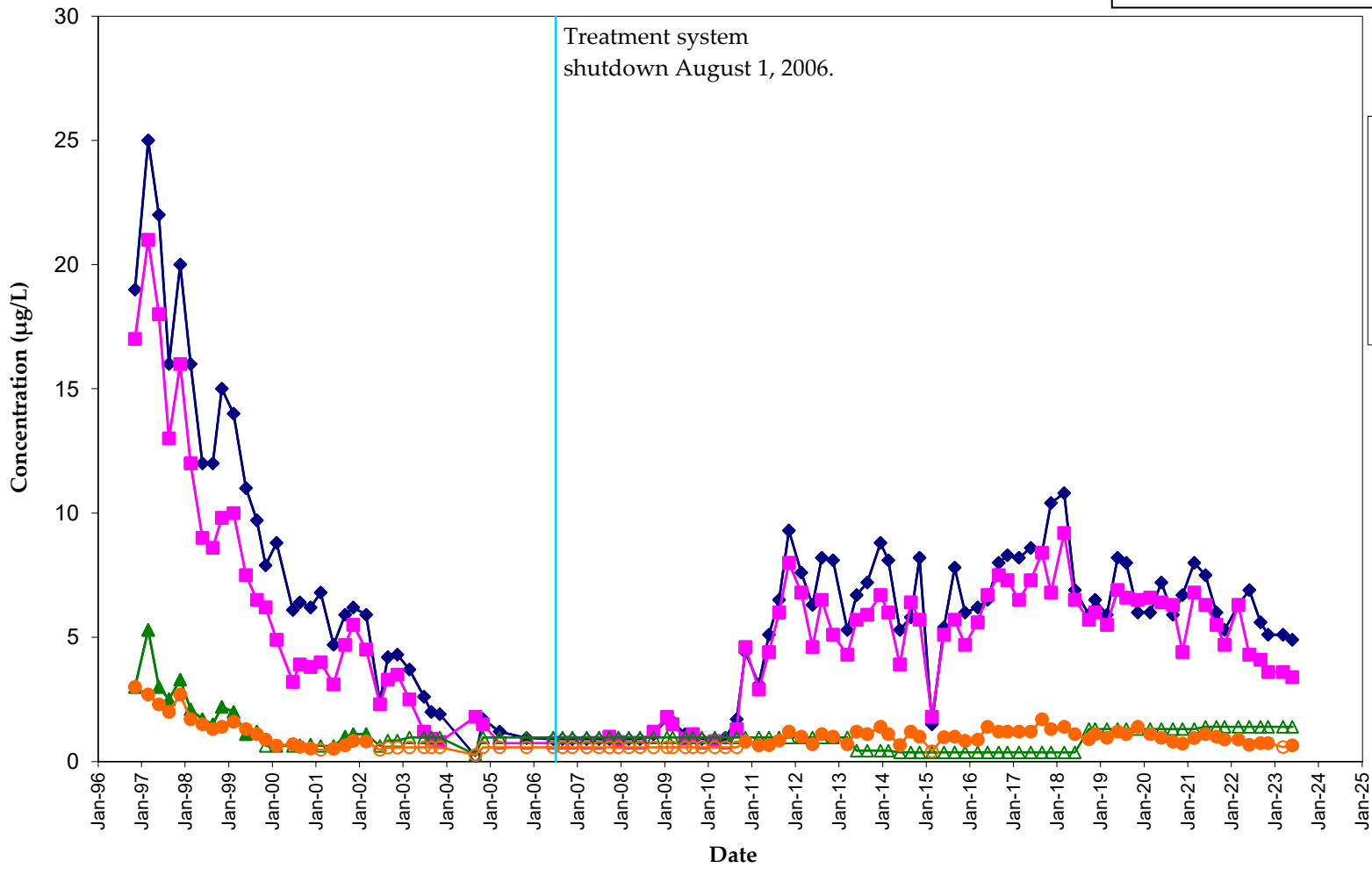
Non-detect results have open data symbols.

RM-002D
 VOC Concentration Trends
 Lemberger Landfill

LL LTR

• RM-2I, 2D

N ←



- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

Non-detect results have open data symbols.

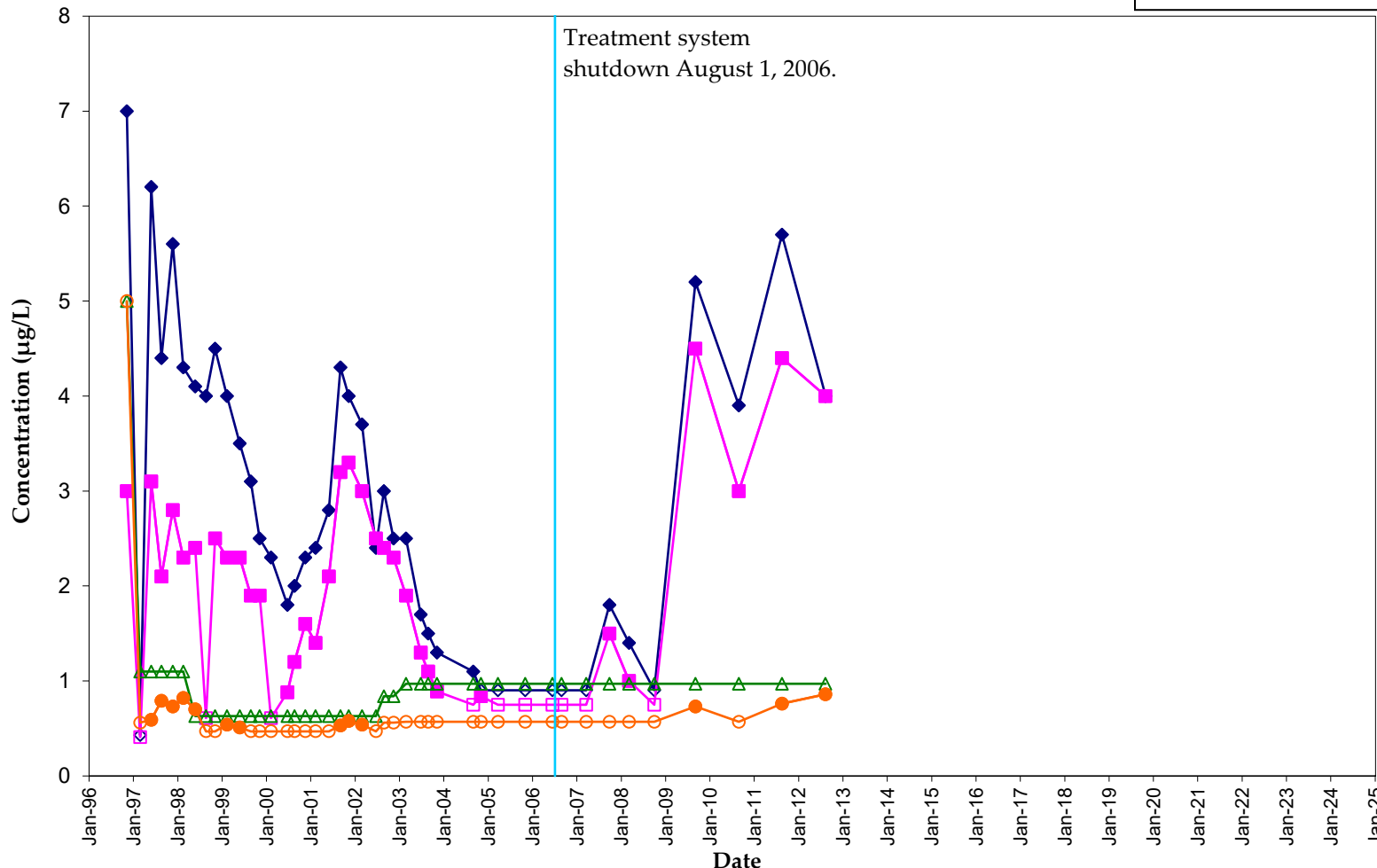
RM-002I VOC Concentration Trends Lemberger Landfill

LL

LTR

• RM-2I, 2D

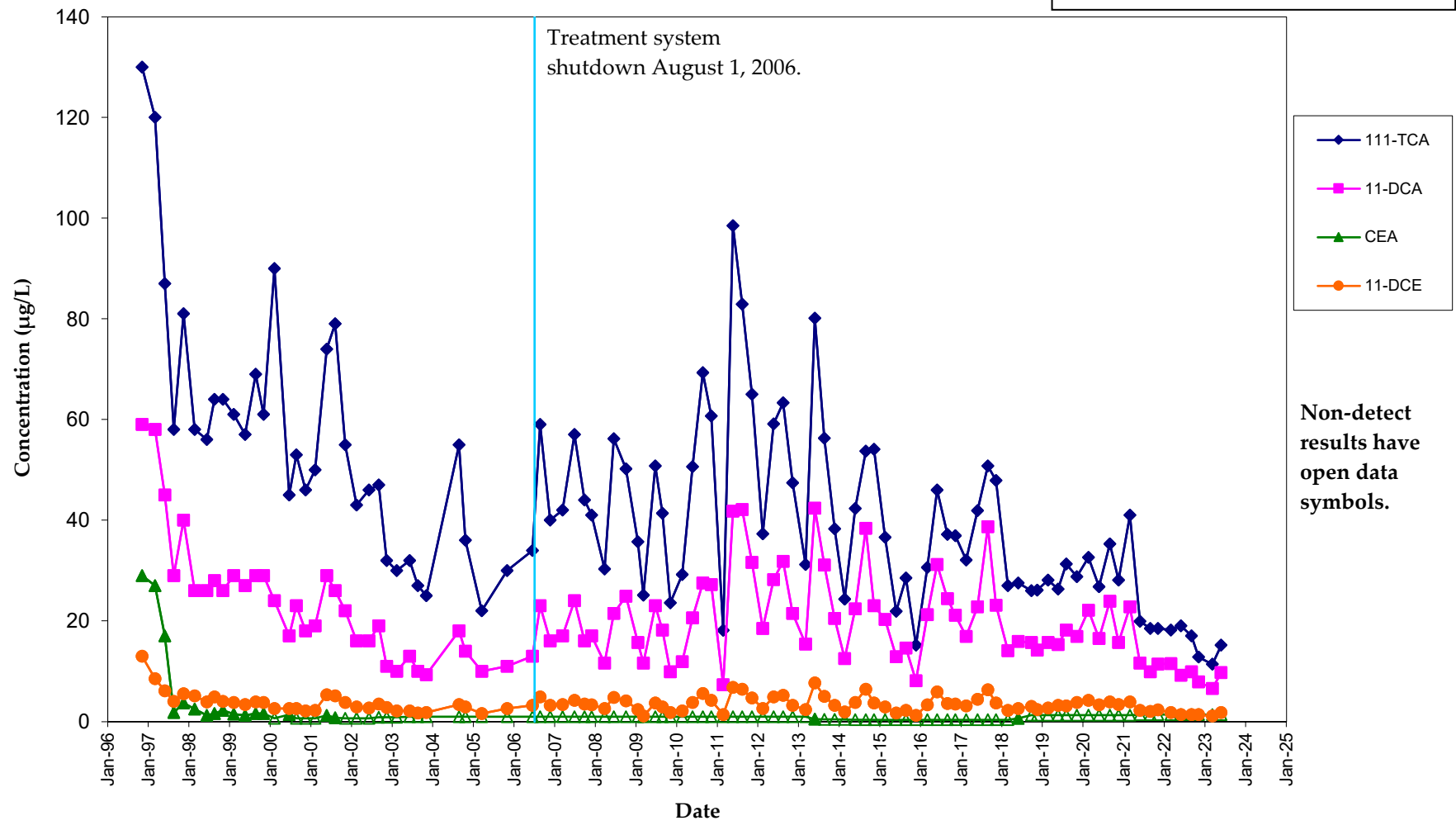
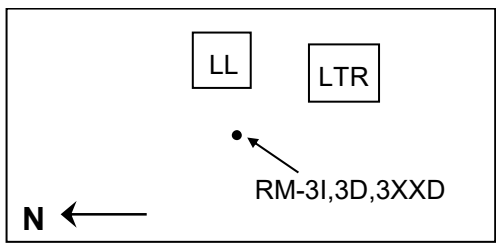
N ←



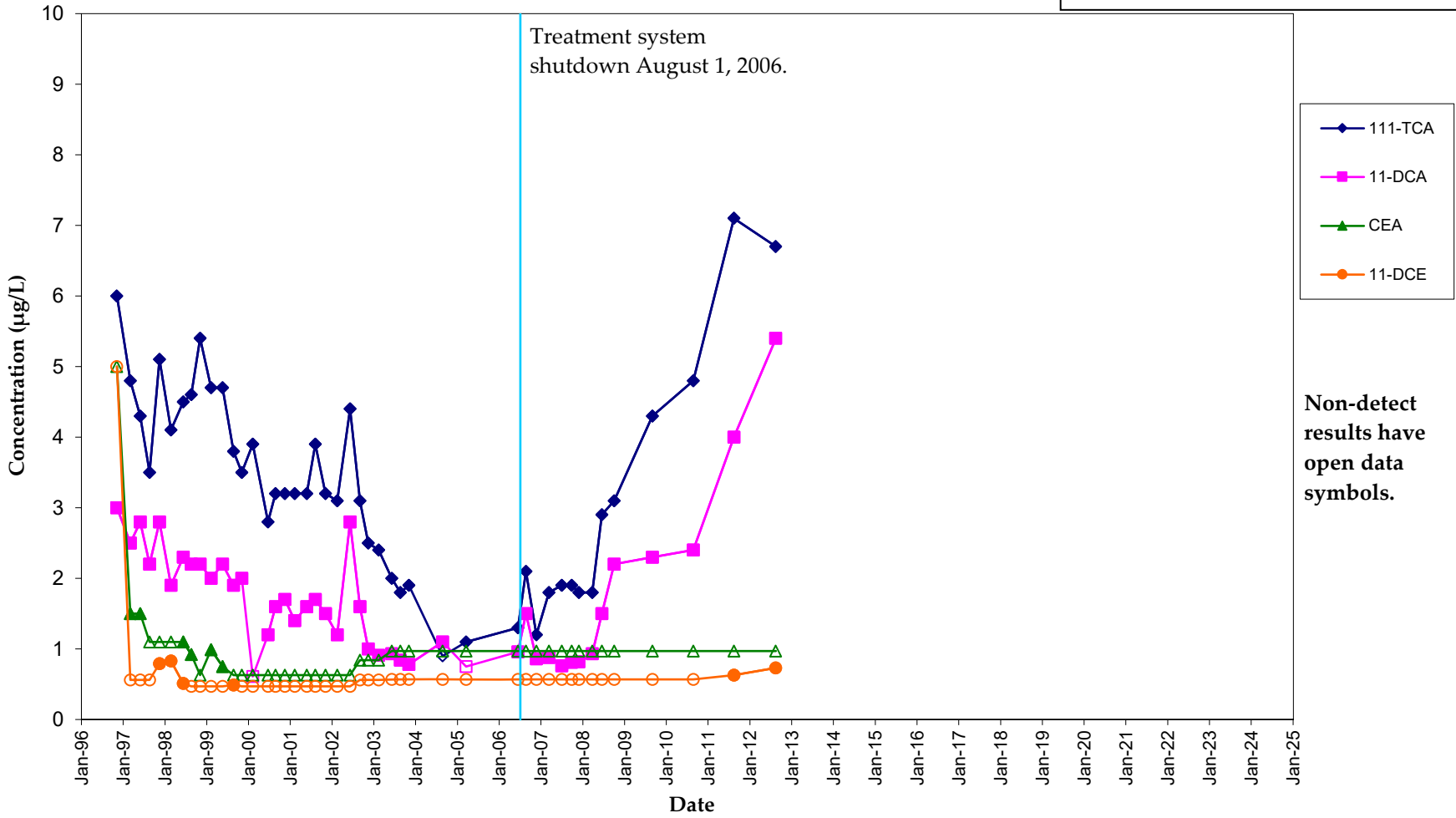
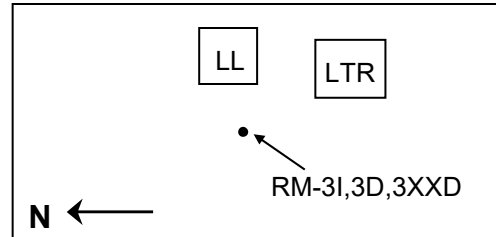
- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

Non-detect results have open data symbols.

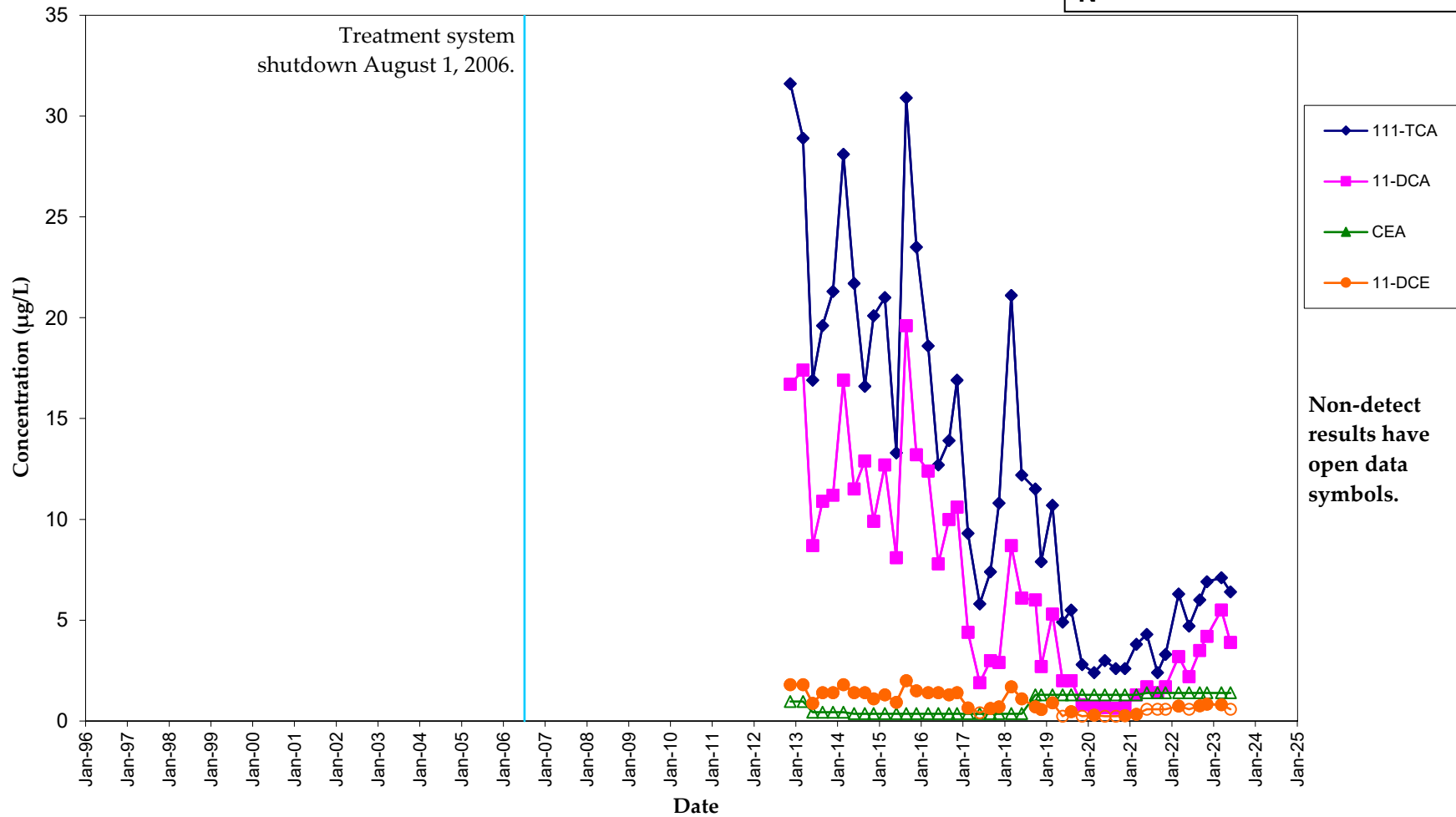
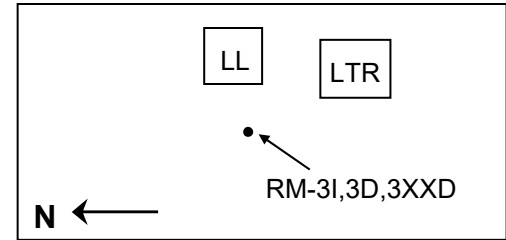
RM-003D VOC Concentration Trends Lemberger Landfill



RM-003I VOC Concentration Trends Lemberger Landfill



RM-003XXD VOC Concentration Trends Lemberger Landfill

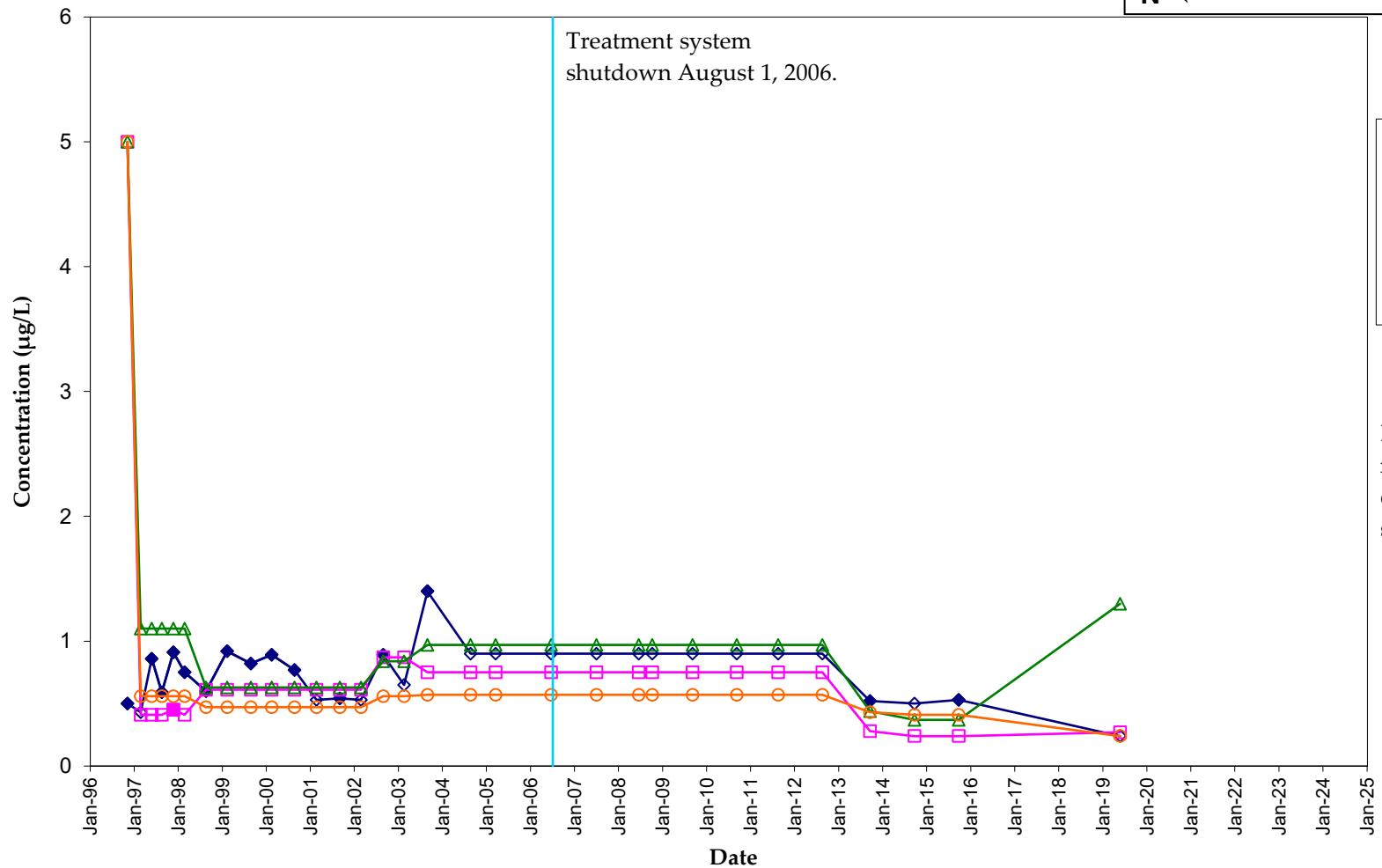


RM-004D
 VOC Concentration Trends
 Lemberger Landfill

RM-4S, 4D

LL LTR

N ←



- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

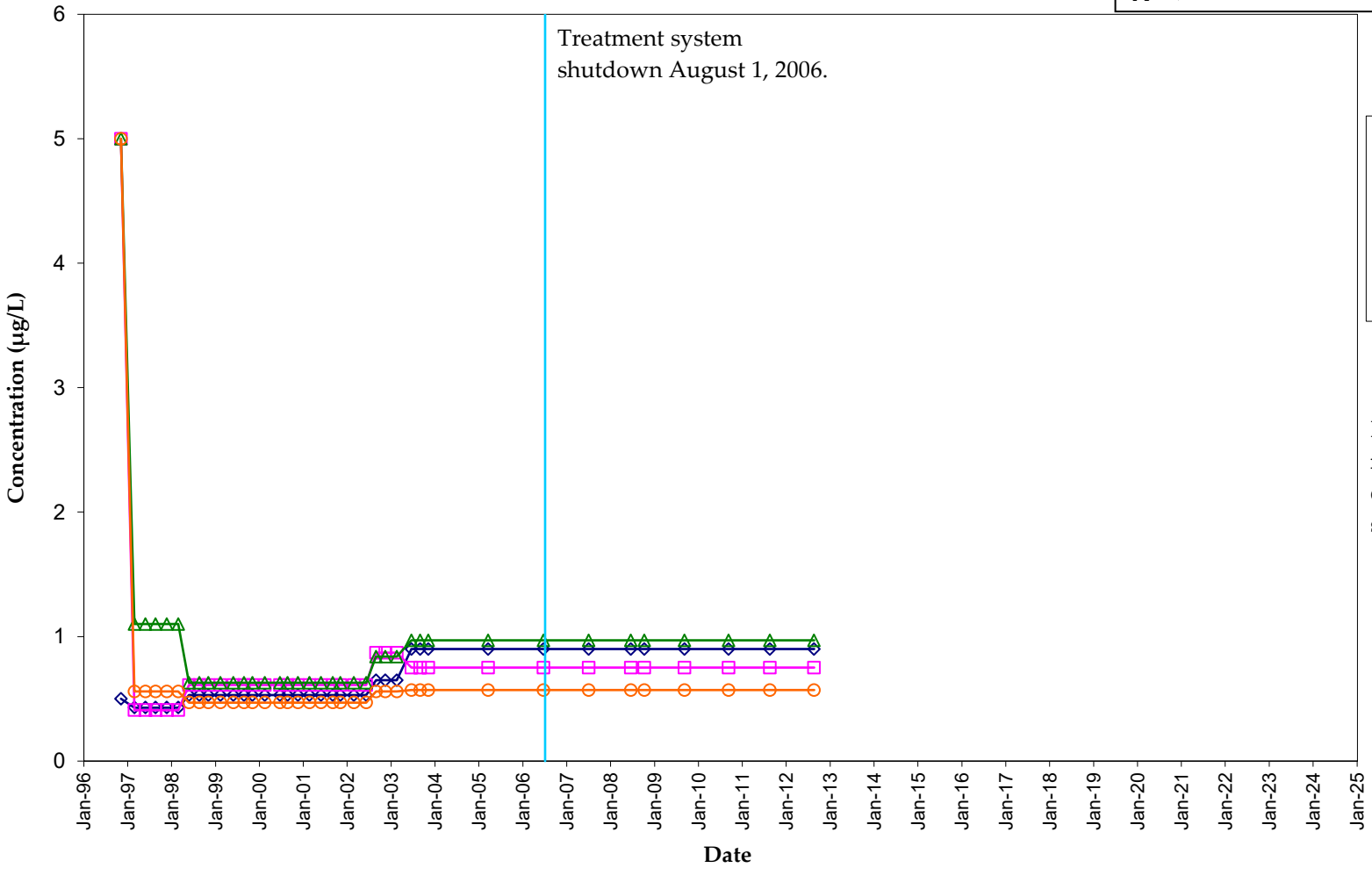
Non-detect results have open data symbols.

**RM-004S
VOC Concentration Trends
Lemberger Landfill**

RM-4S, 4D

LL LTR

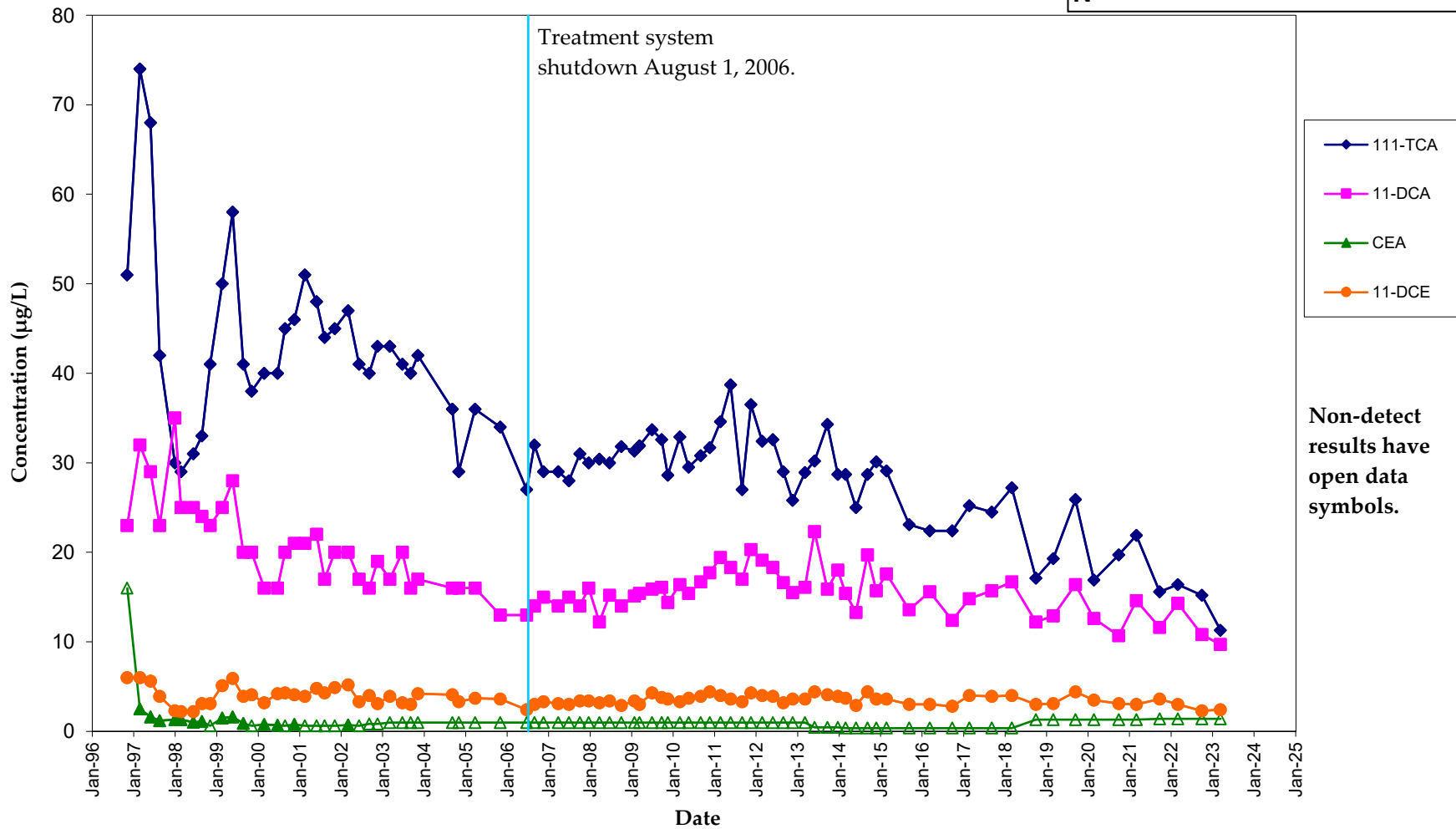
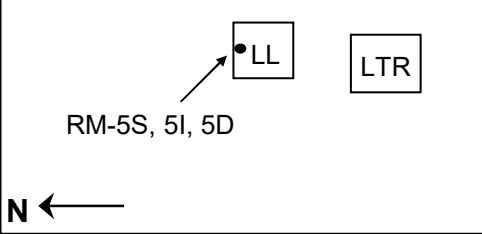
N ←



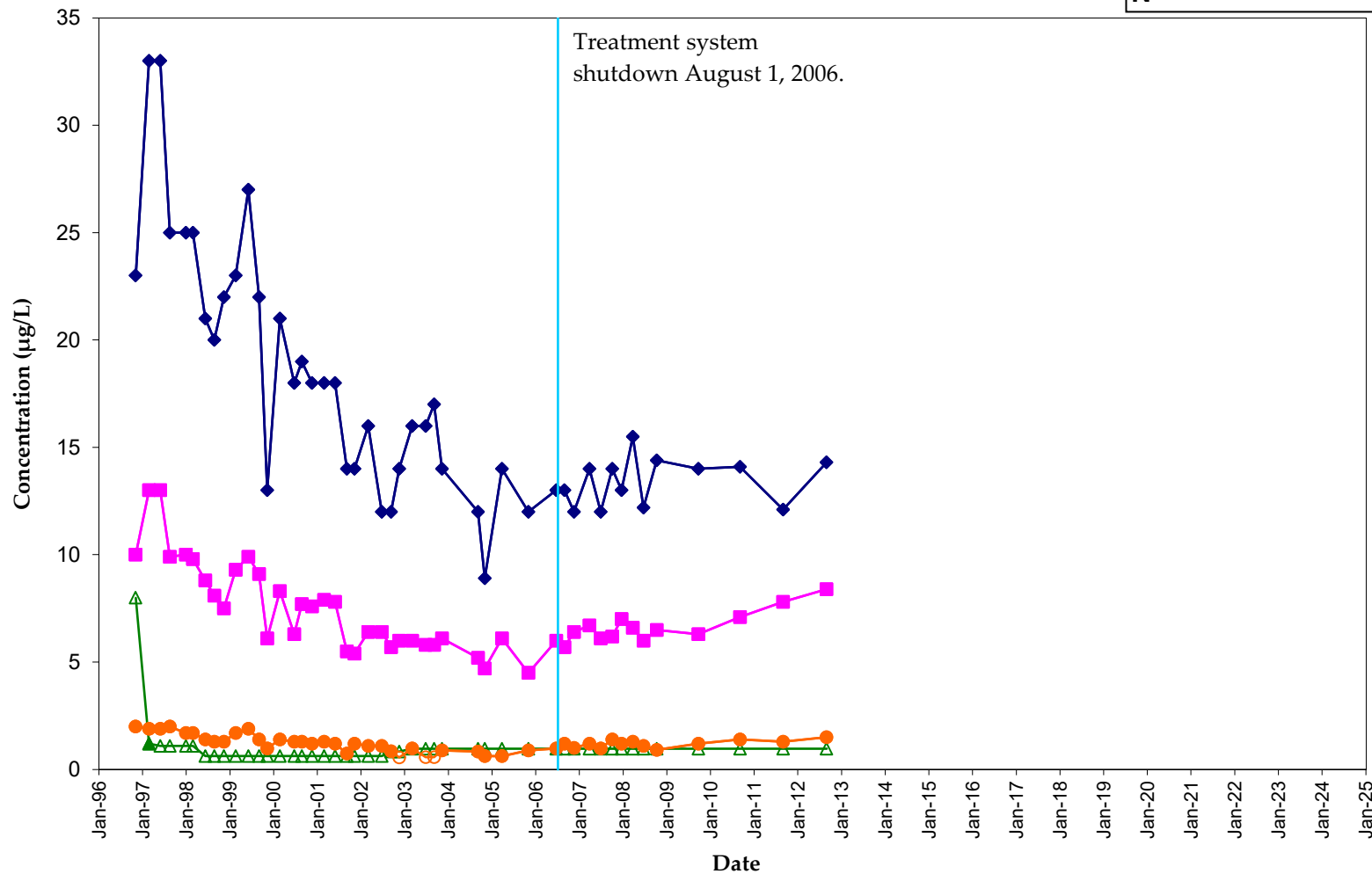
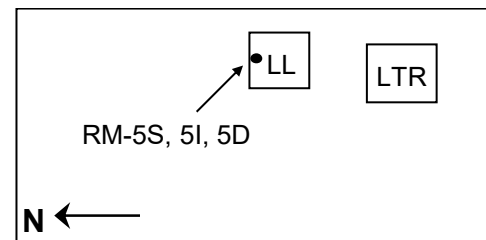
- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

Non-detect results have open data symbols.

RM-005D VOC Concentration Trends Lemberger Landfill



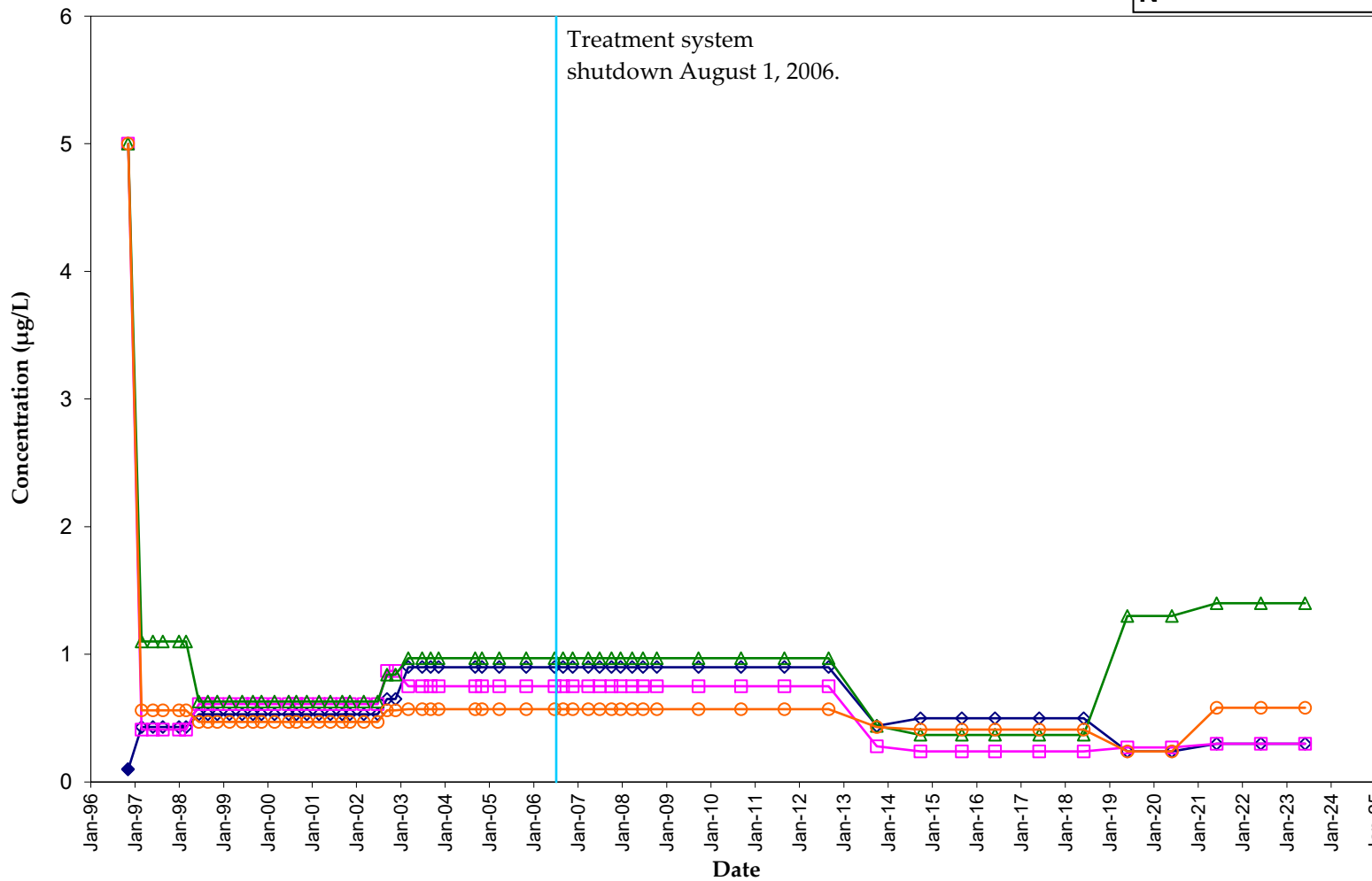
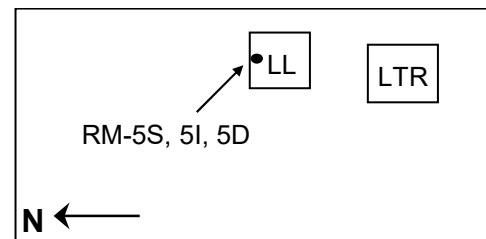
**RM-005I
VOC Concentration Trends
Lemberger Landfill**



- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

Non-detect results have open data symbols.

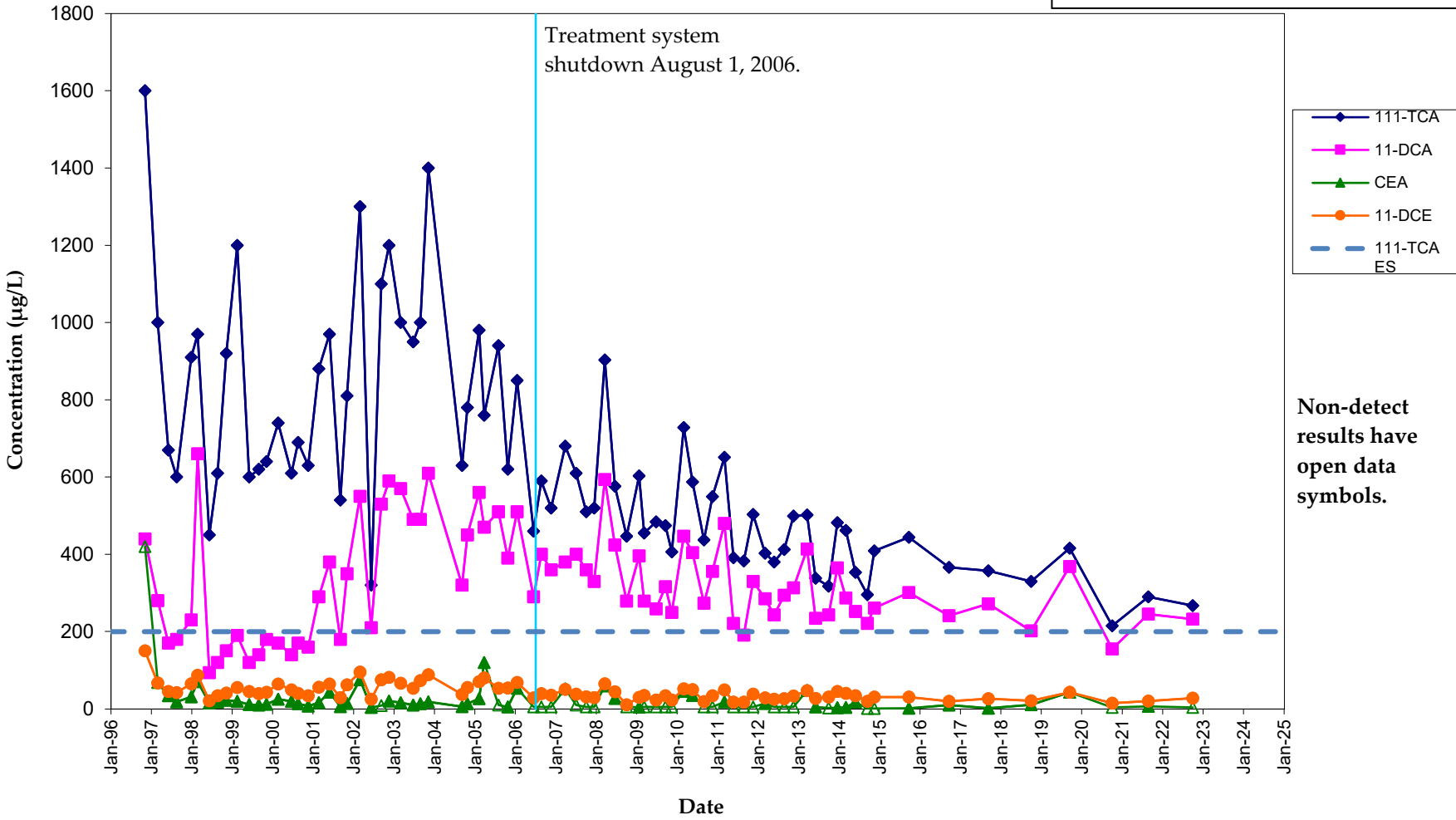
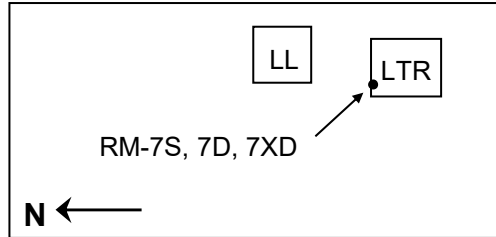
RM-005S VOC Concentration Trends Lemberger Landfill



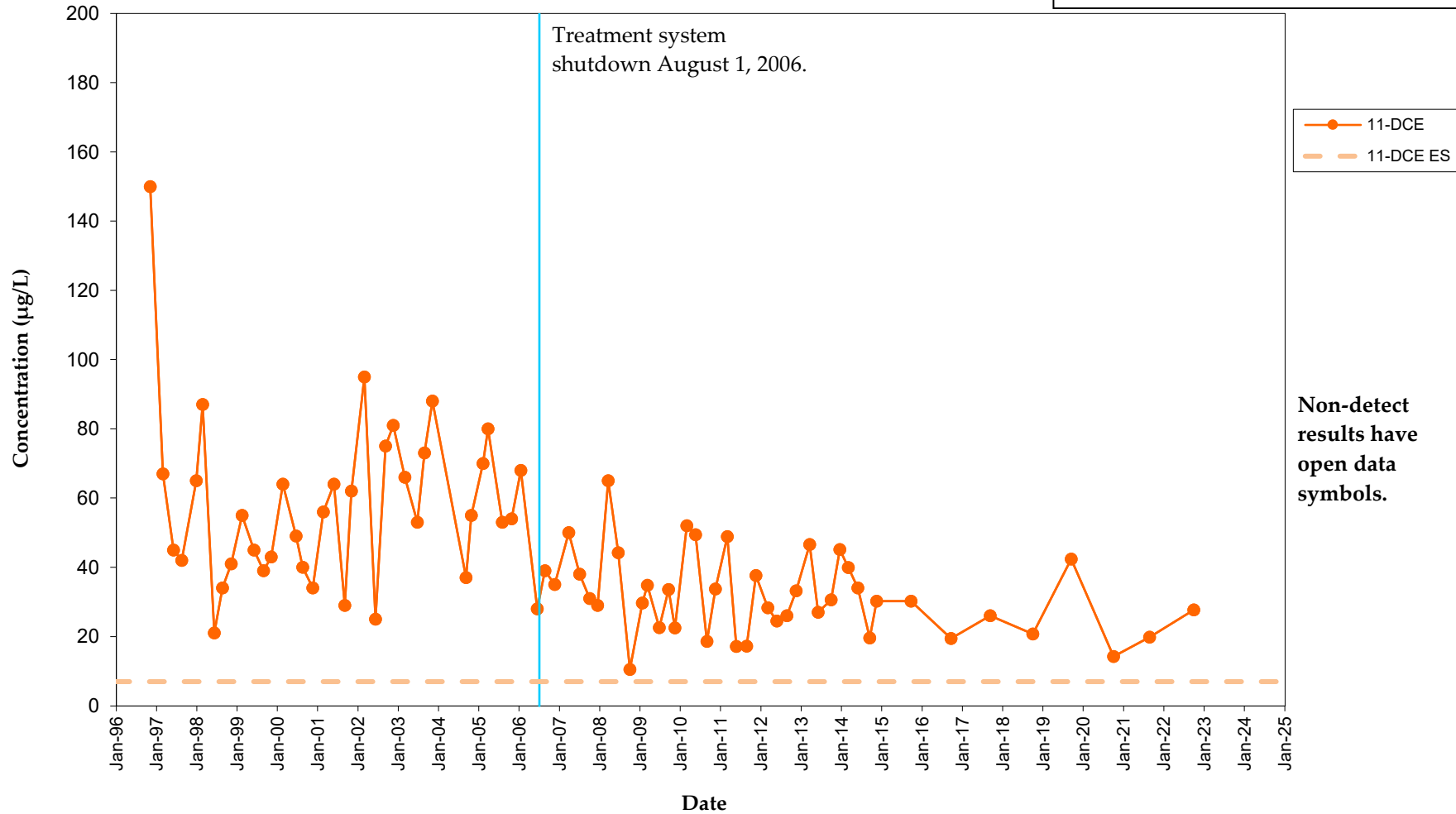
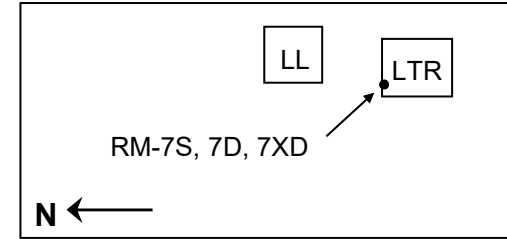
- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

Non-detect results have open data symbols.

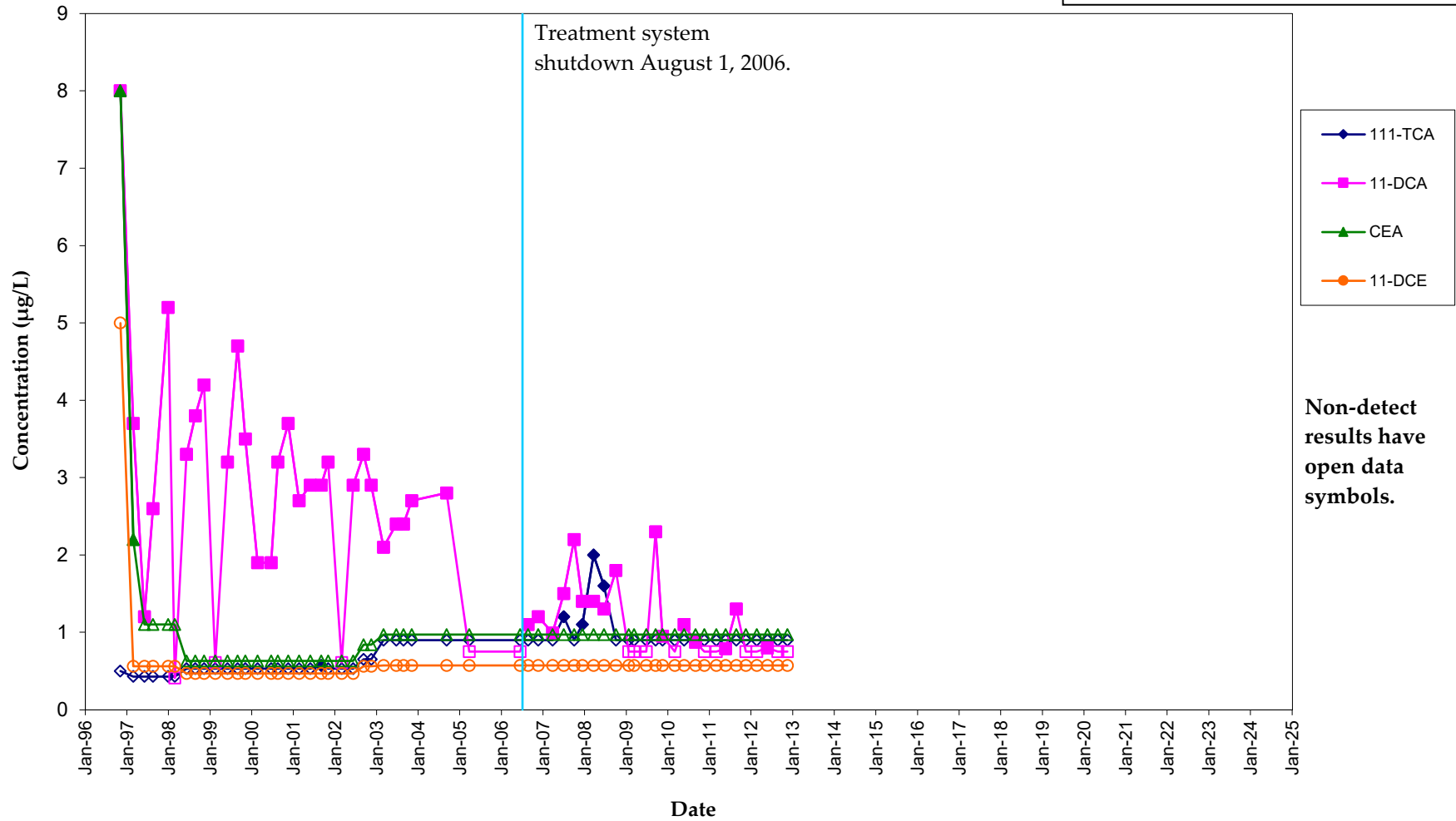
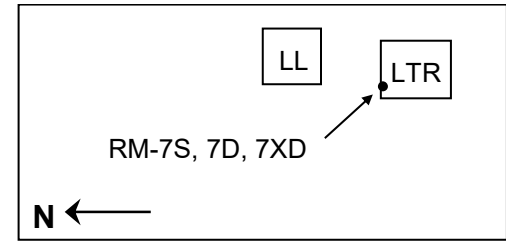
RM-007D VOC Concentration Trends Lemberger Landfill



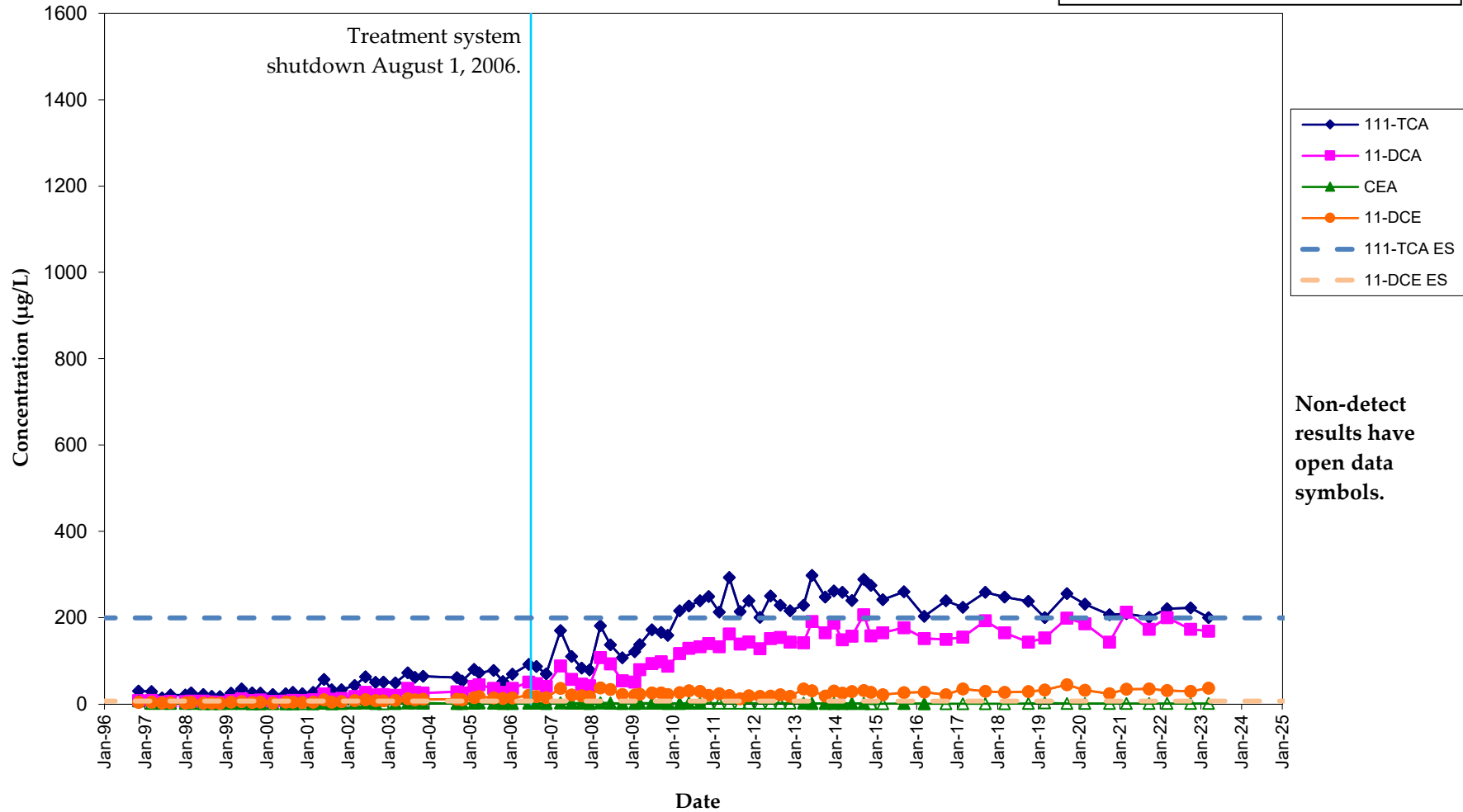
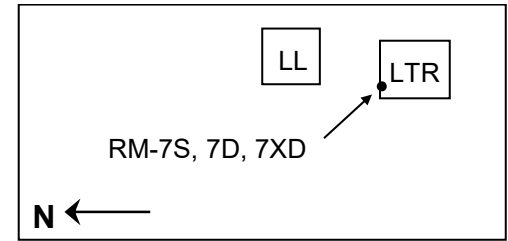
**RM-007D
VOC Concentration Trends
Lemberger Landfill**



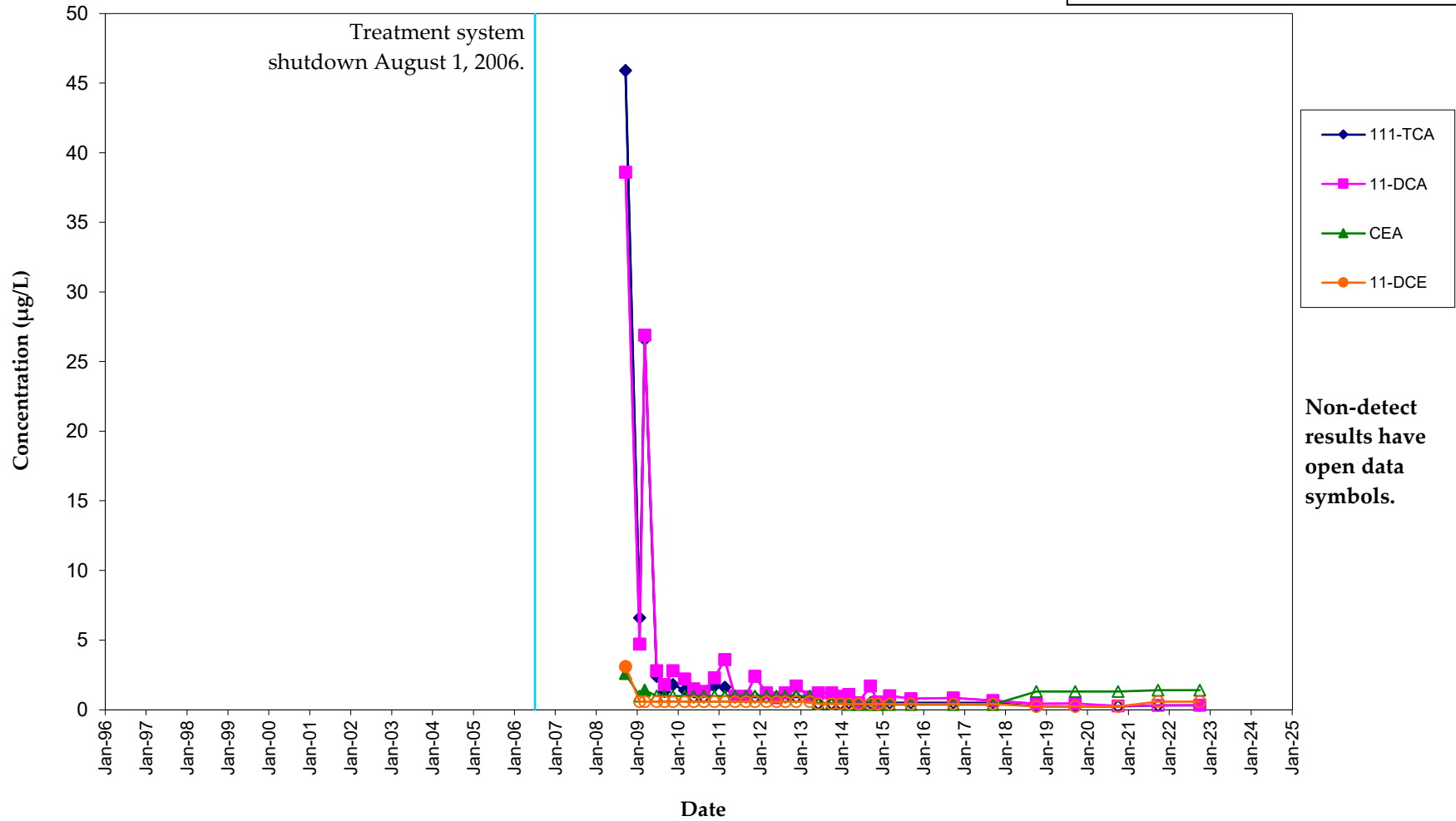
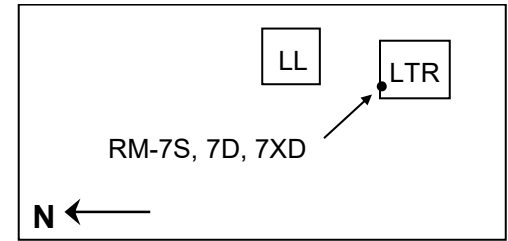
RM-007S VOC Concentration Trends Lemberger Landfill



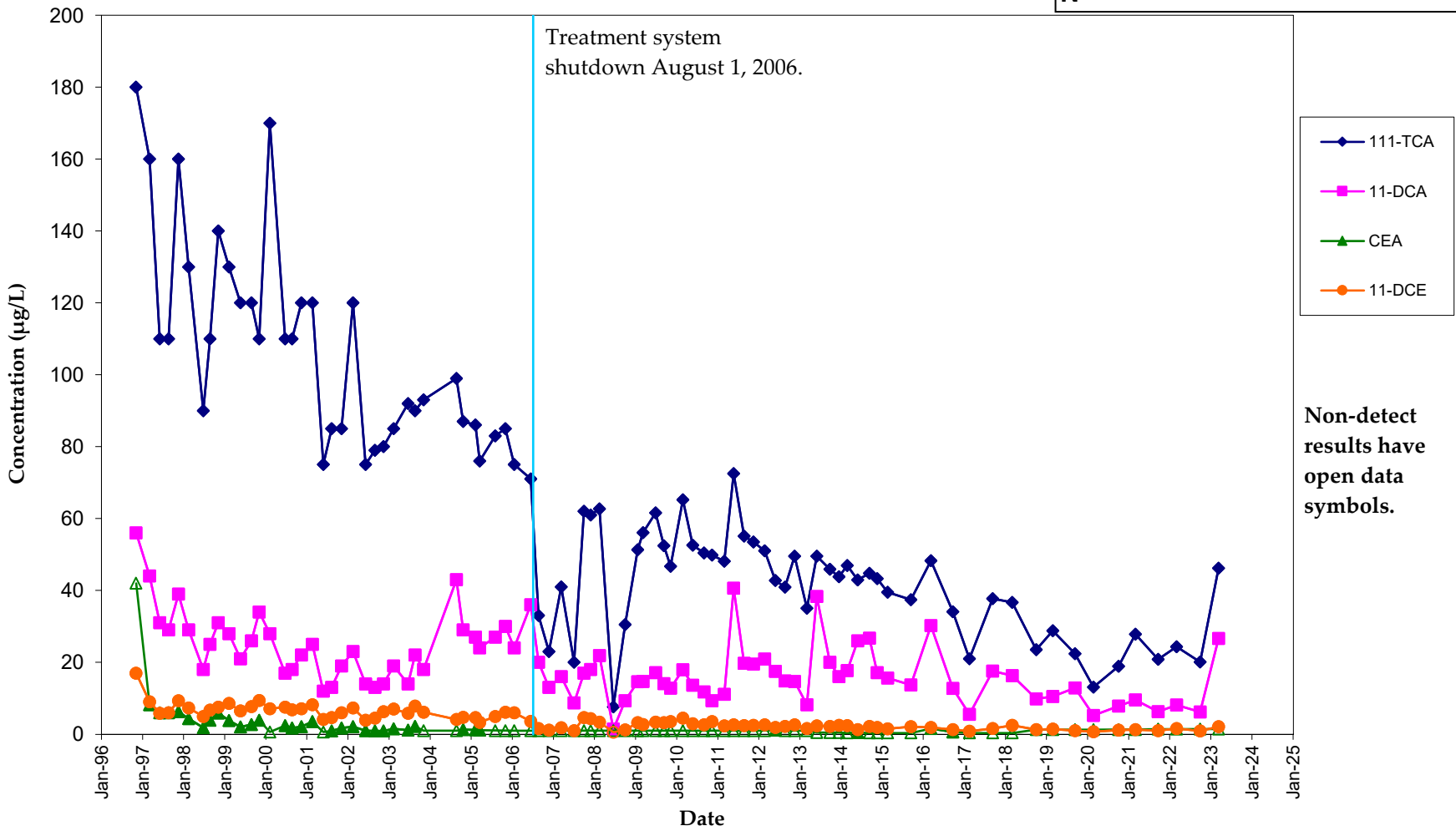
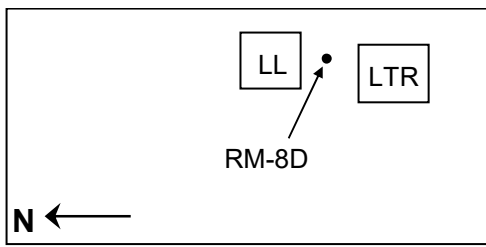
**RM-007XD
VOC Concentration Trends
Lemberger Landfill**



RM-007XXD
 VOC Concentration Trends
 Lemberger Landfill



RM-008D VOC Concentration Trends Lemberger Landfill



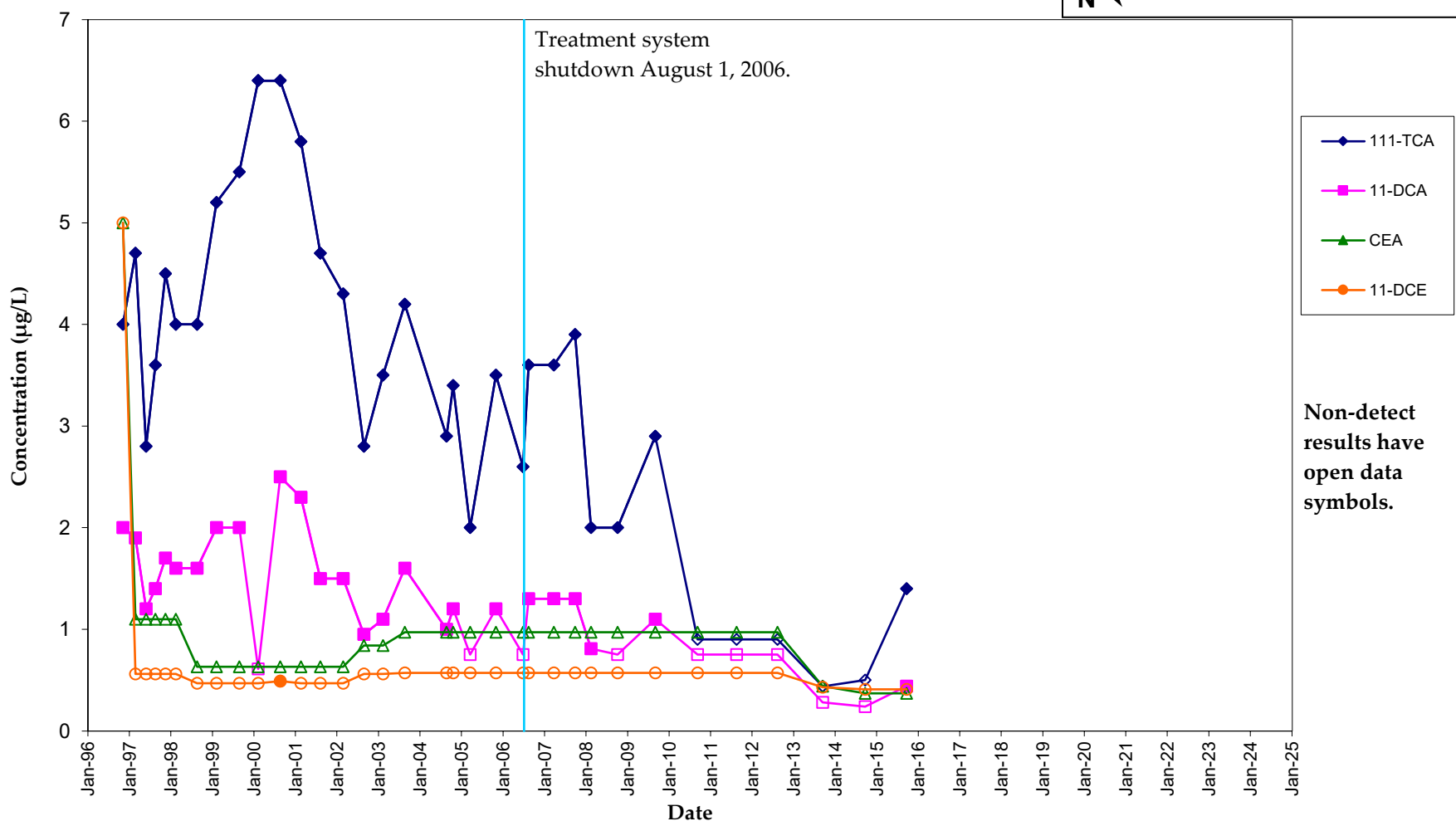
RM-010D VOC Concentration Trends Lemberger Landfill

RM-10D

LL

LTR

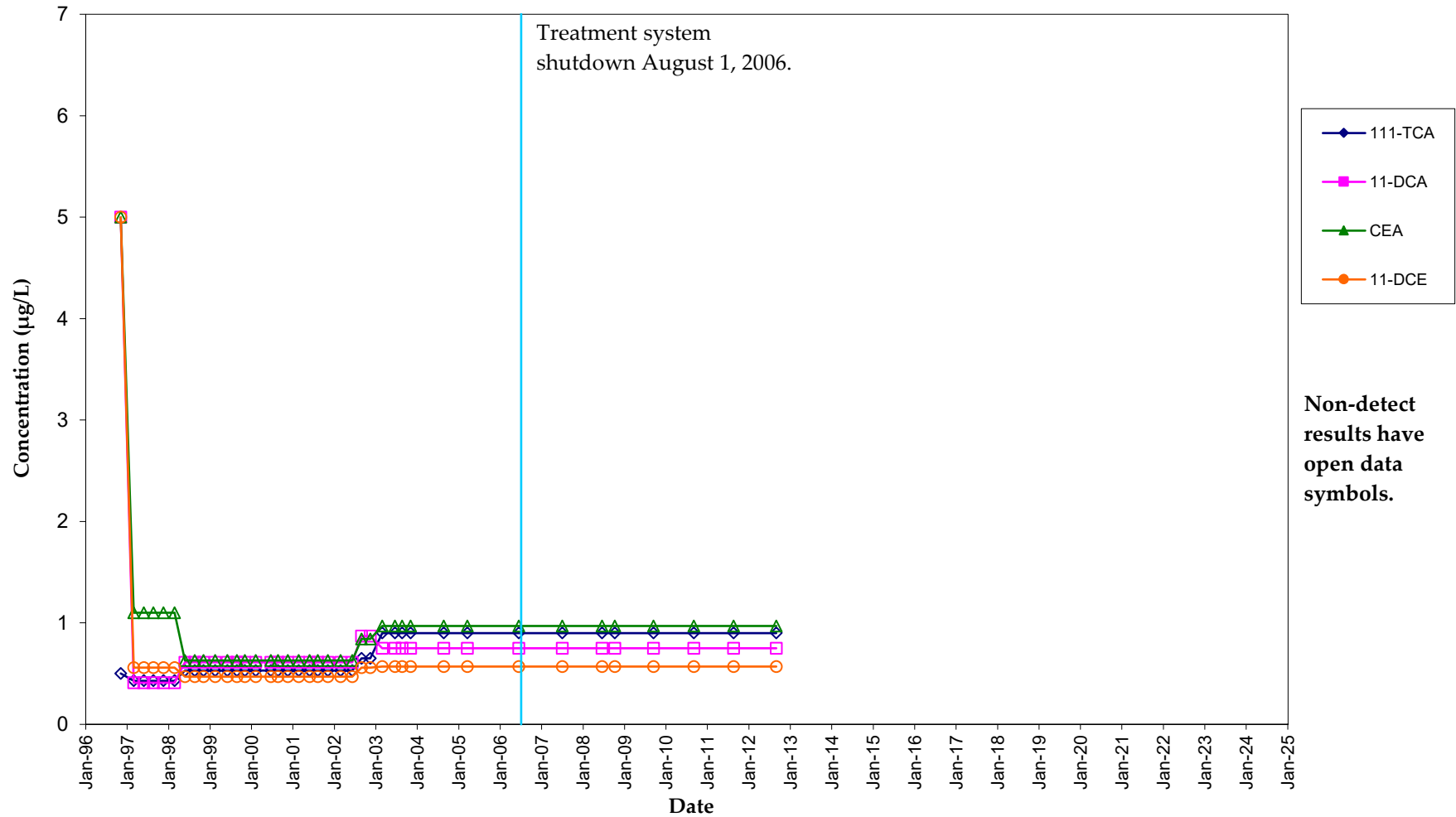
N ←



- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

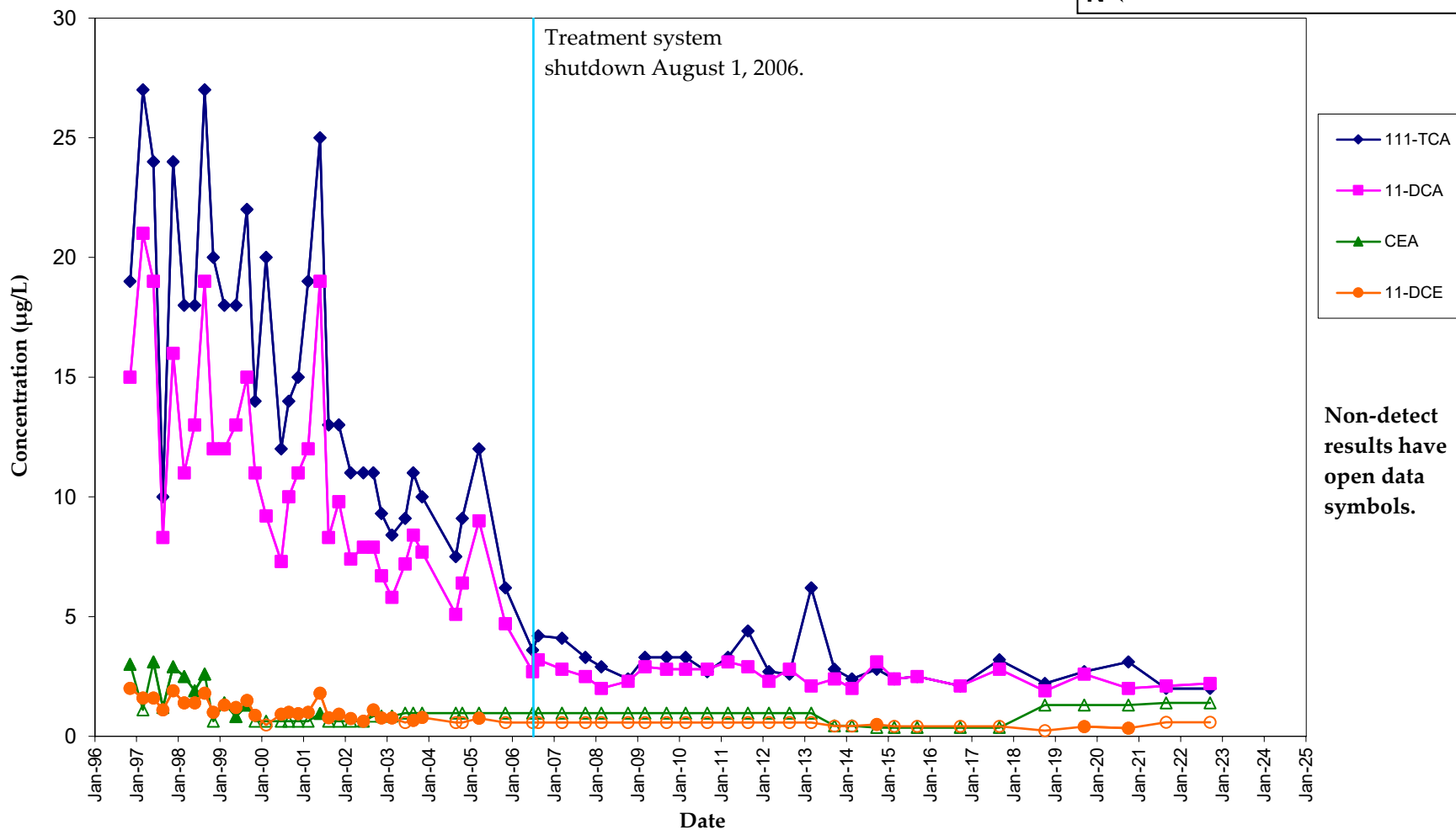
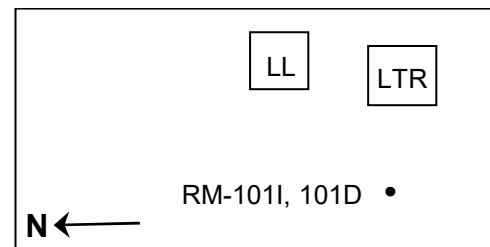
Non-detect results have open data symbols.

RM-011D VOC Concentration Trends Lemberger Landfill



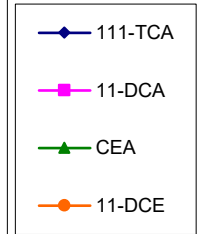
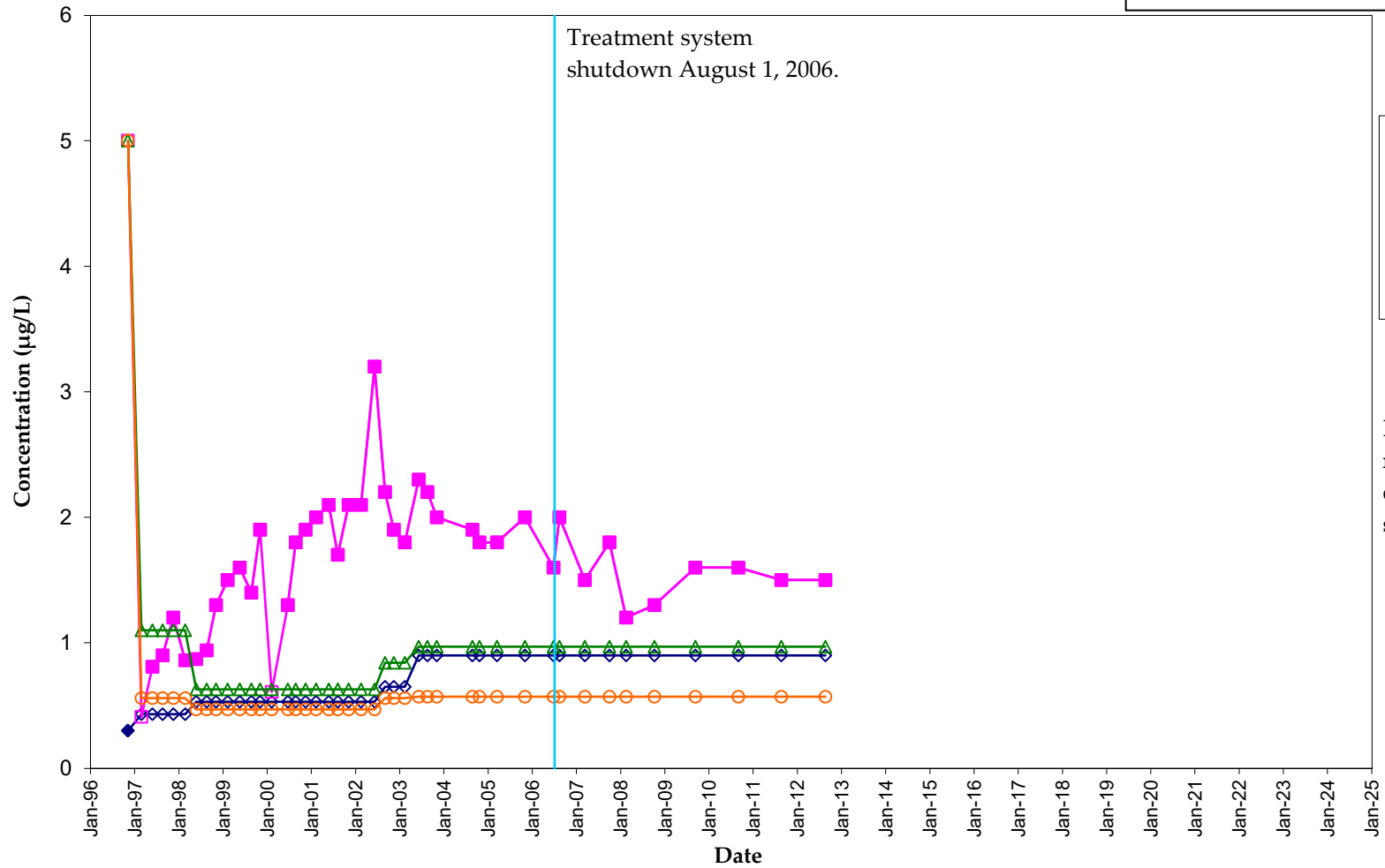
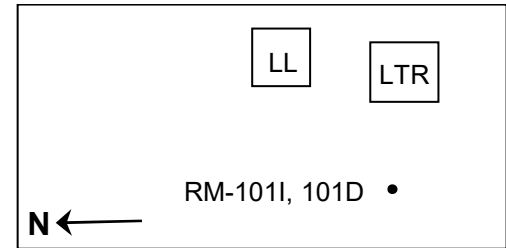
Non-detect results have open data symbols.

RM-101D VOC Concentration Trends Lemberger Landfill



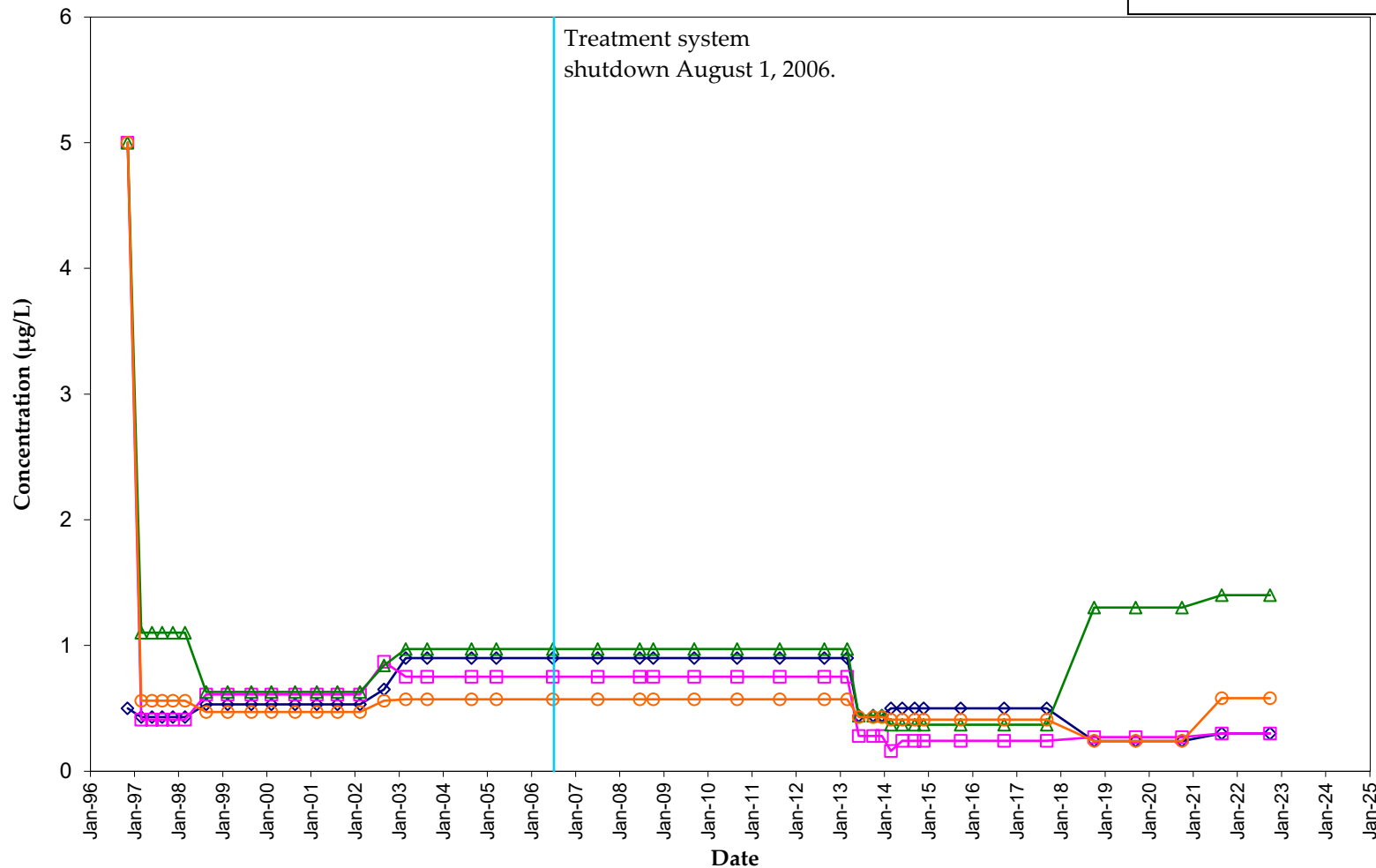
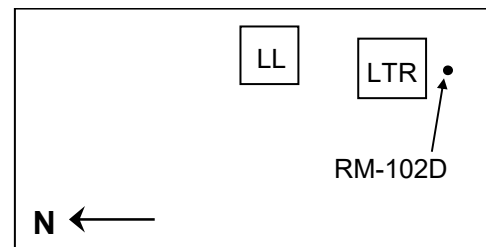
Non-detect results have open data symbols.

RM-101I VOC Concentration Trends Lemberger Landfill



Non-detect results have open data symbols.

RM-102D VOC Concentration Trends Lemberger Landfill



- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

Non-detect results have open data symbols.

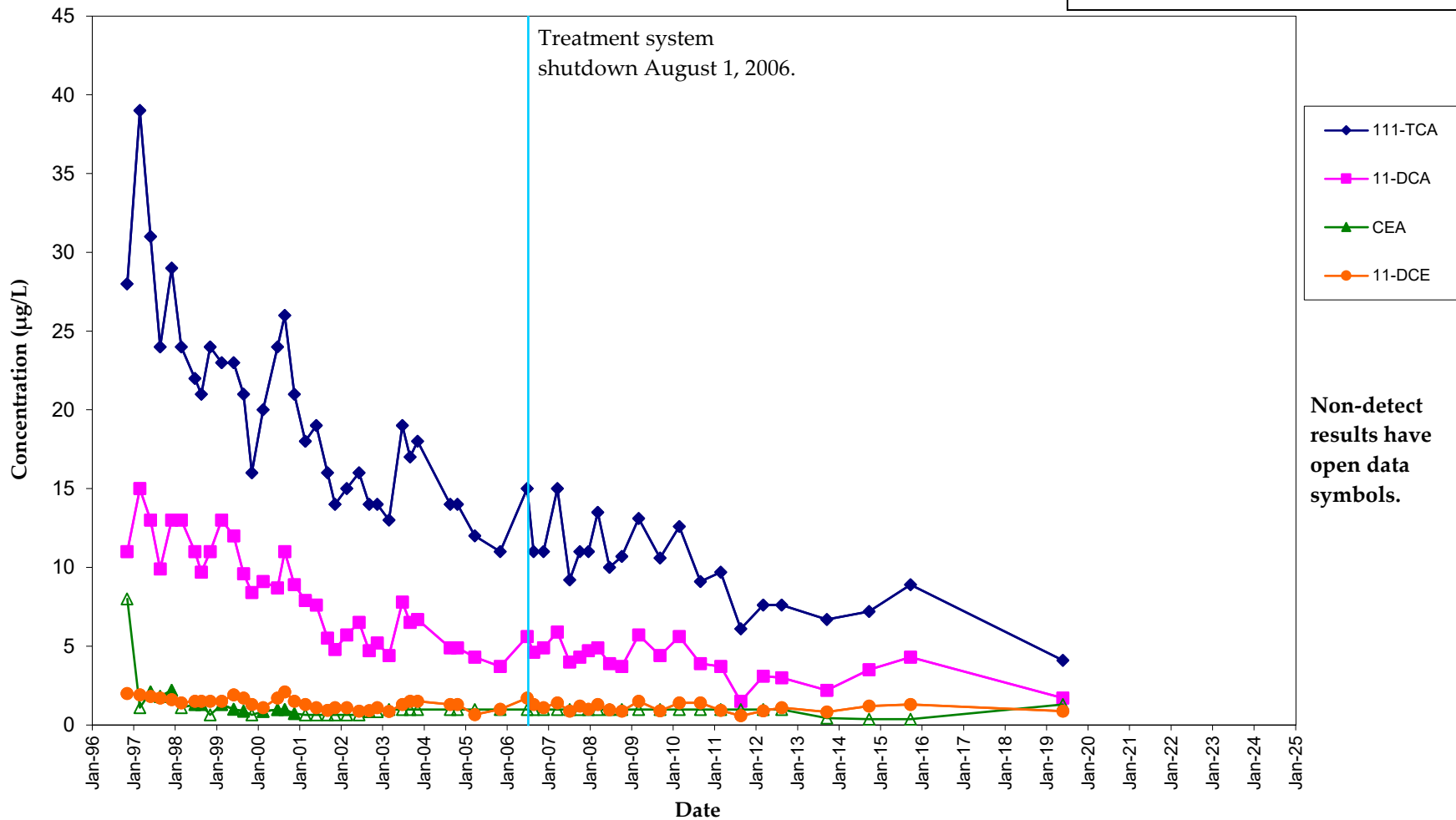
RM-103D VOC Concentration Trends Lemberger Landfill

RM-103S, 103I, 103D

LL

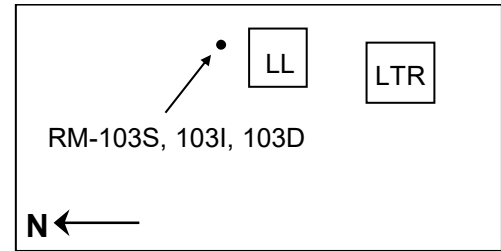
LTR

N ←



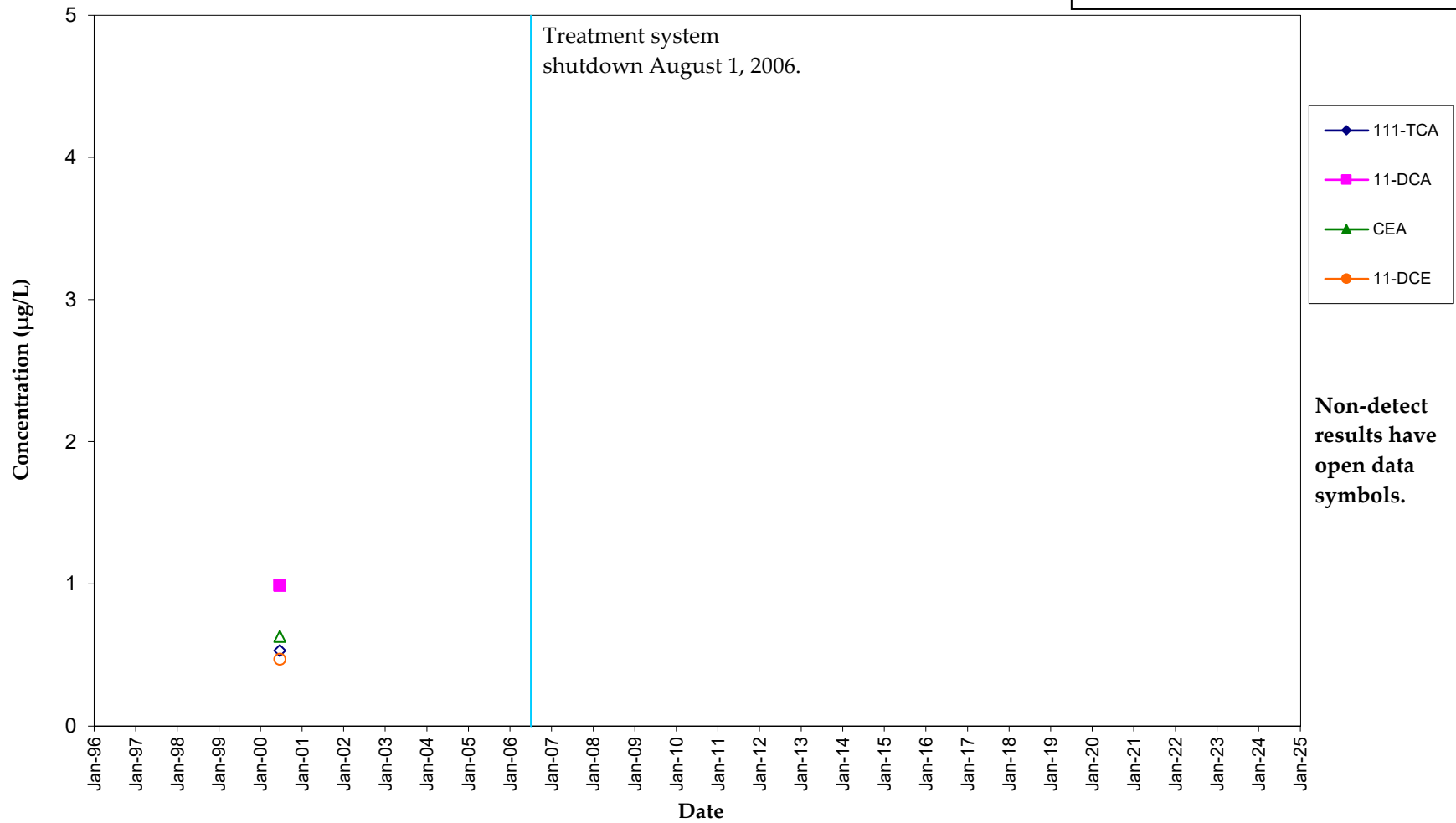
Non-detect results have open data symbols.

RM-103I VOC Concentration Trends Lemberger Landfill

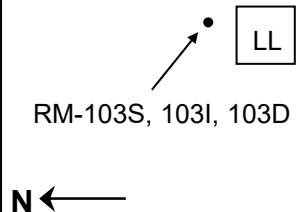


RM-103S, 103I, 103D

N ←

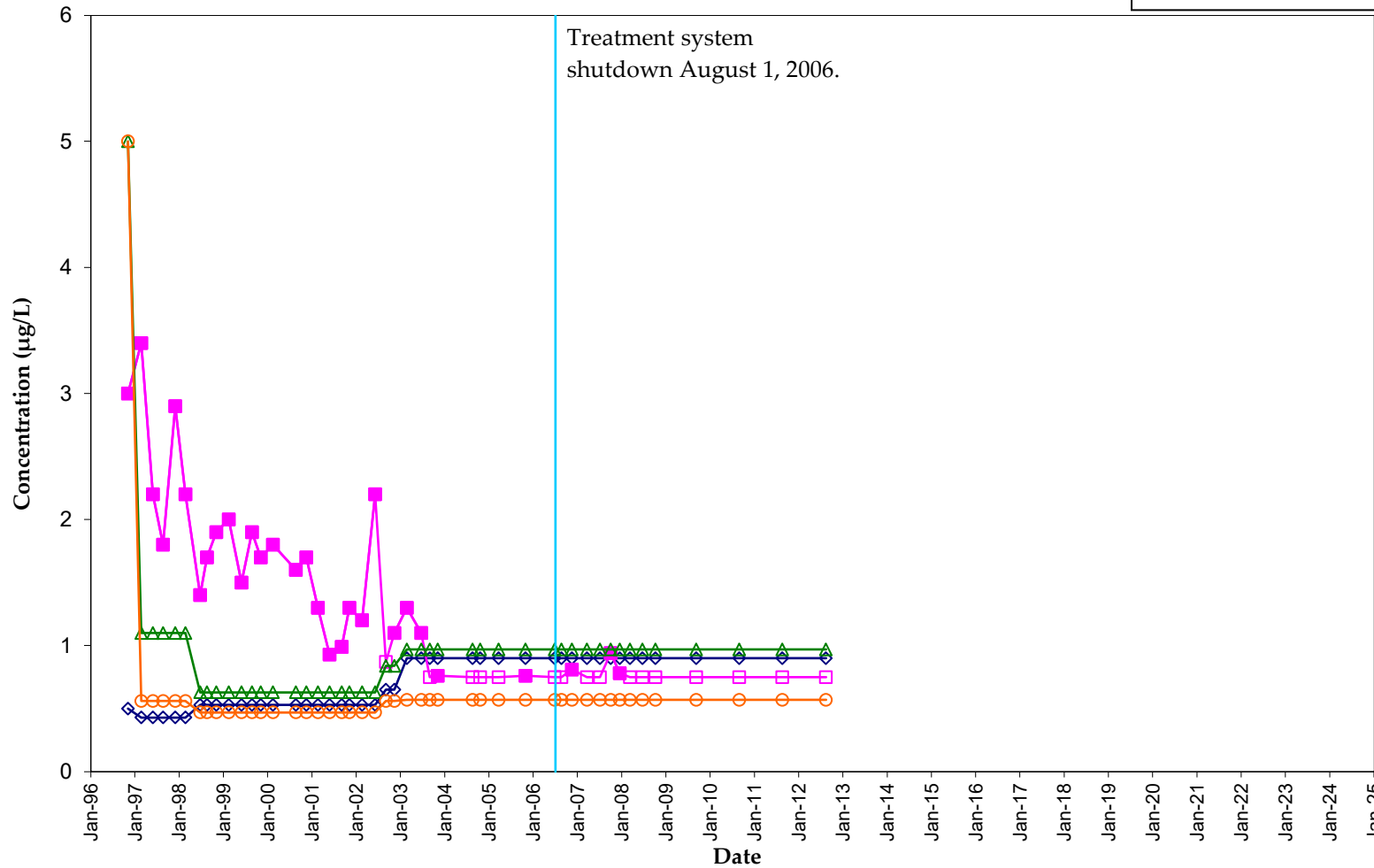


RM-103S VOC Concentration Trends Lemberger Landfill



RM-103S, 103I, 103D

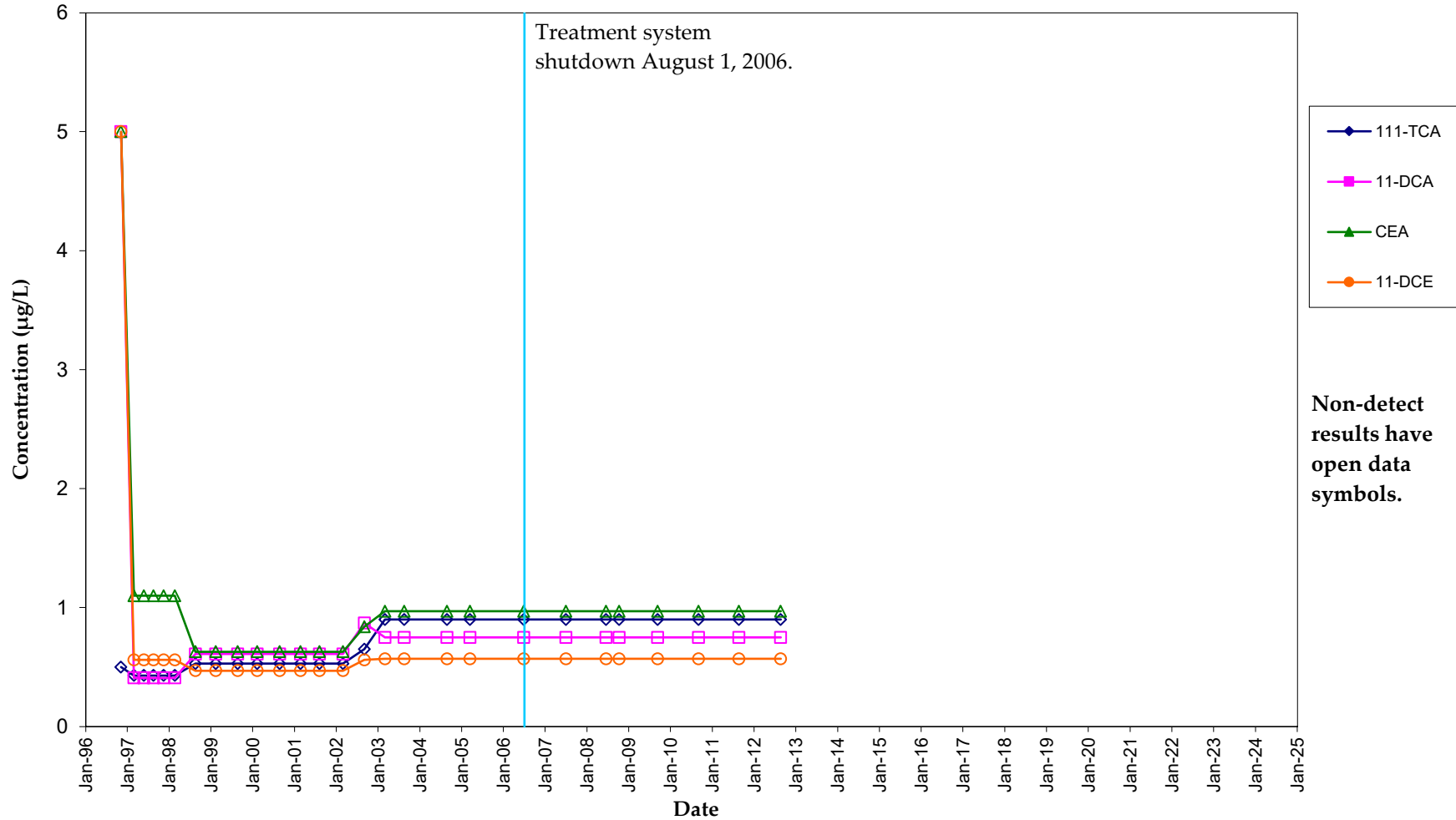
N ←



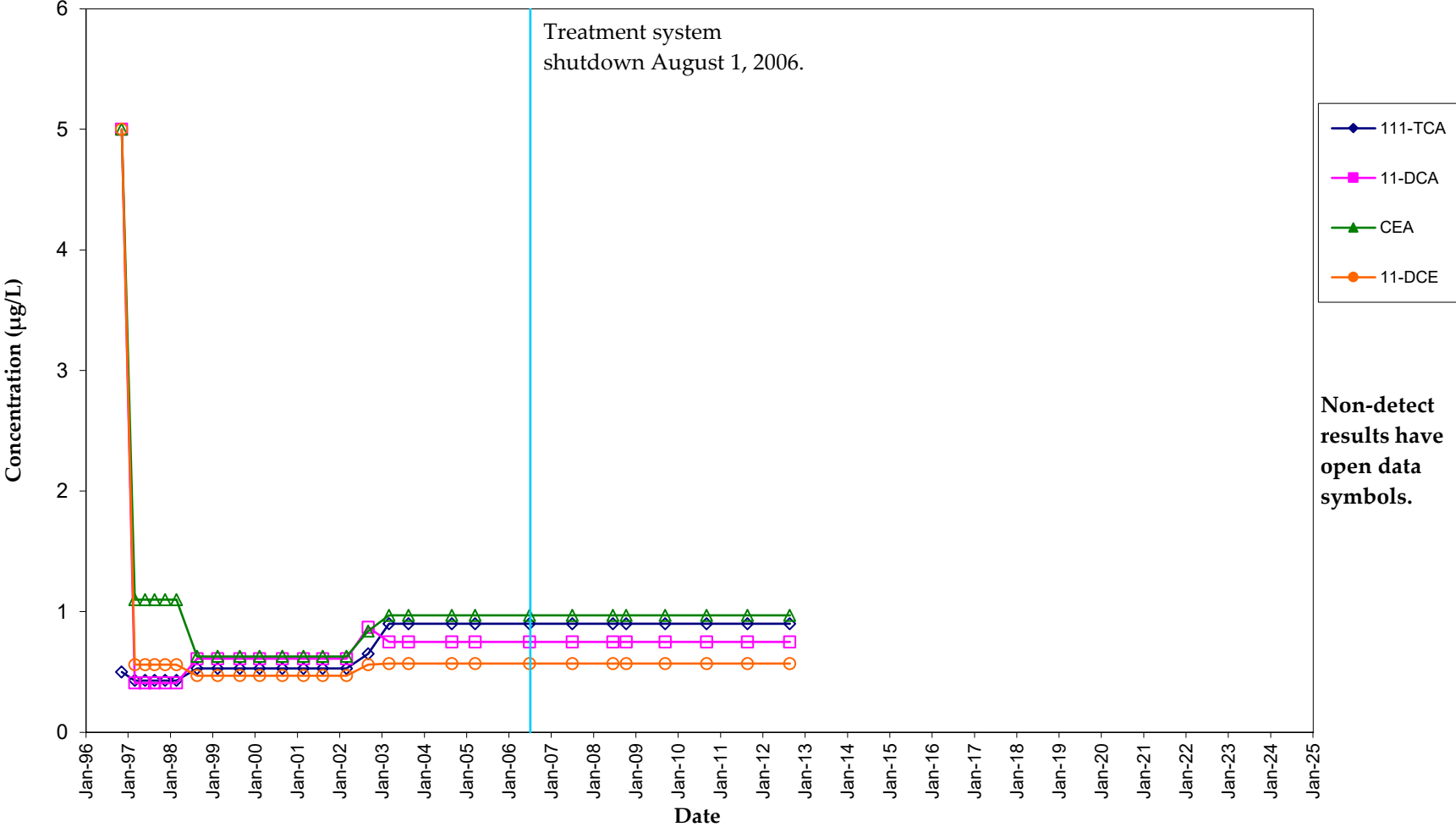
- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

**Non-detect
results have
open data
symbols.**

RM-201D VOC Concentration Trends Lemberger Landfill

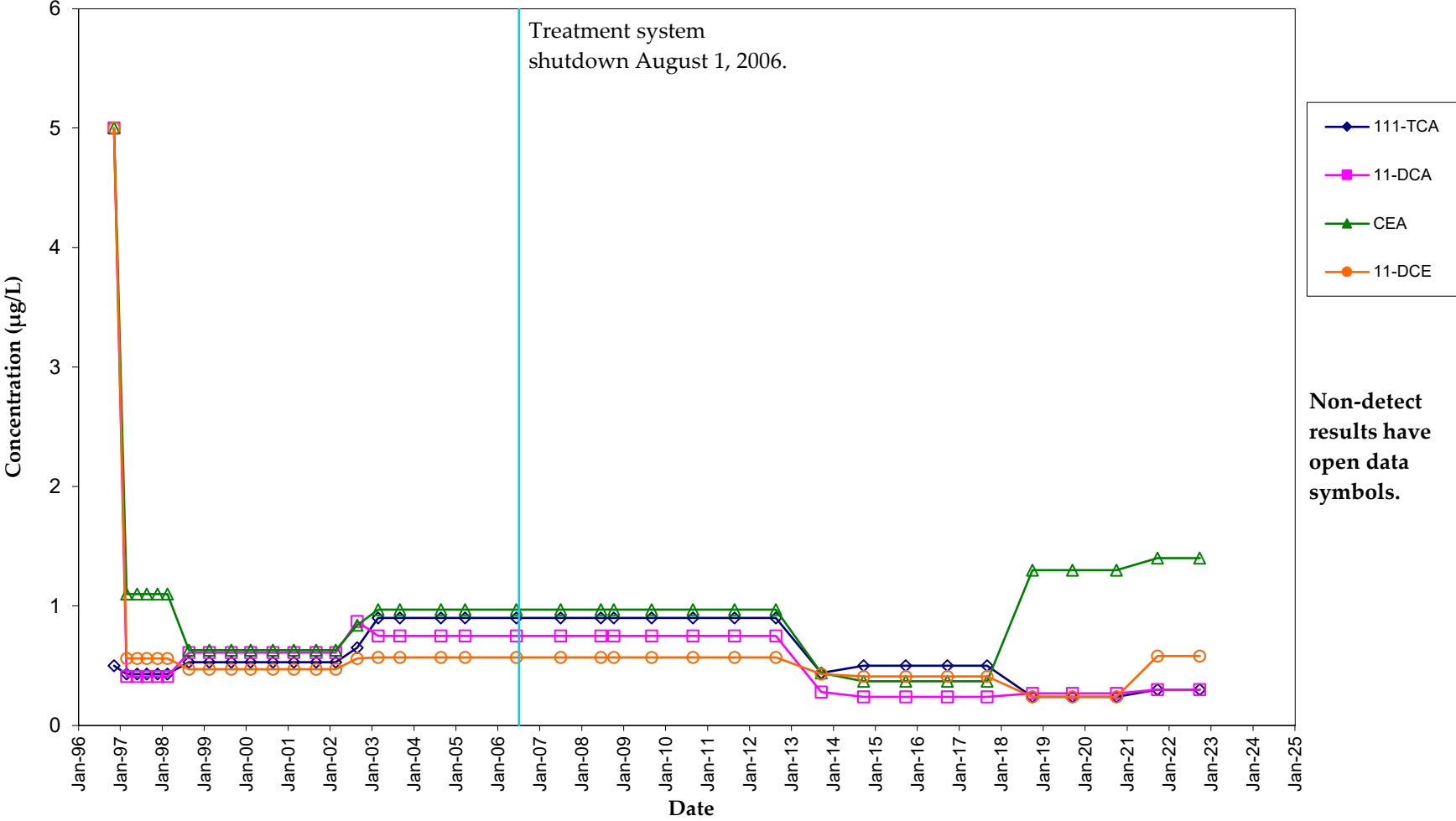


RM-201I
VOC Concentration Trends
Lemberger Landfill



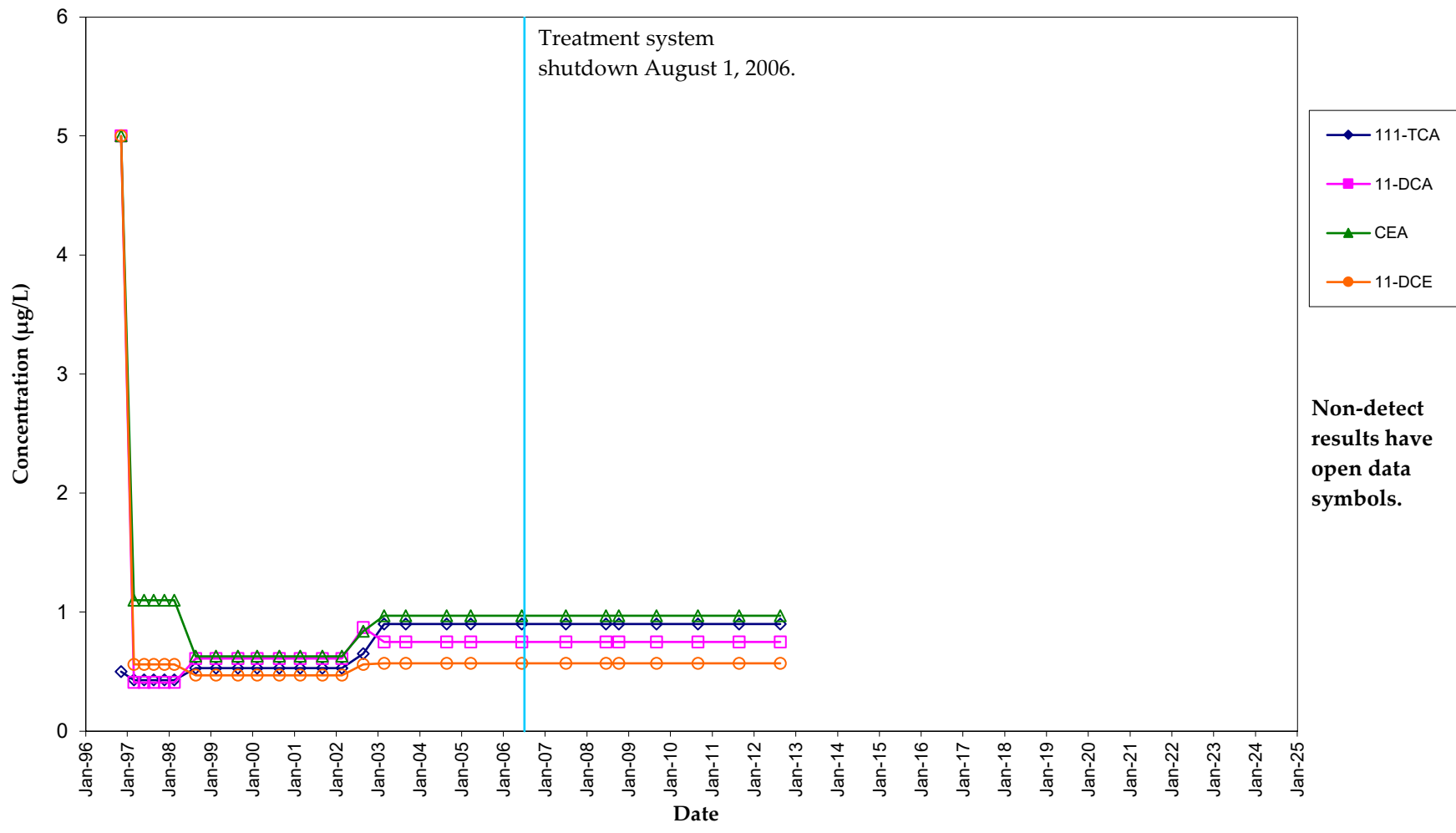
Non-detect
results have
open data
symbols.

**RM-202D
VOC Concentration Trends
Lemberger Landfill**



Non-detect results have open data symbols.

RM-202I VOC Concentration Trends Lemberger Landfill



Non-detect results have open data symbols.

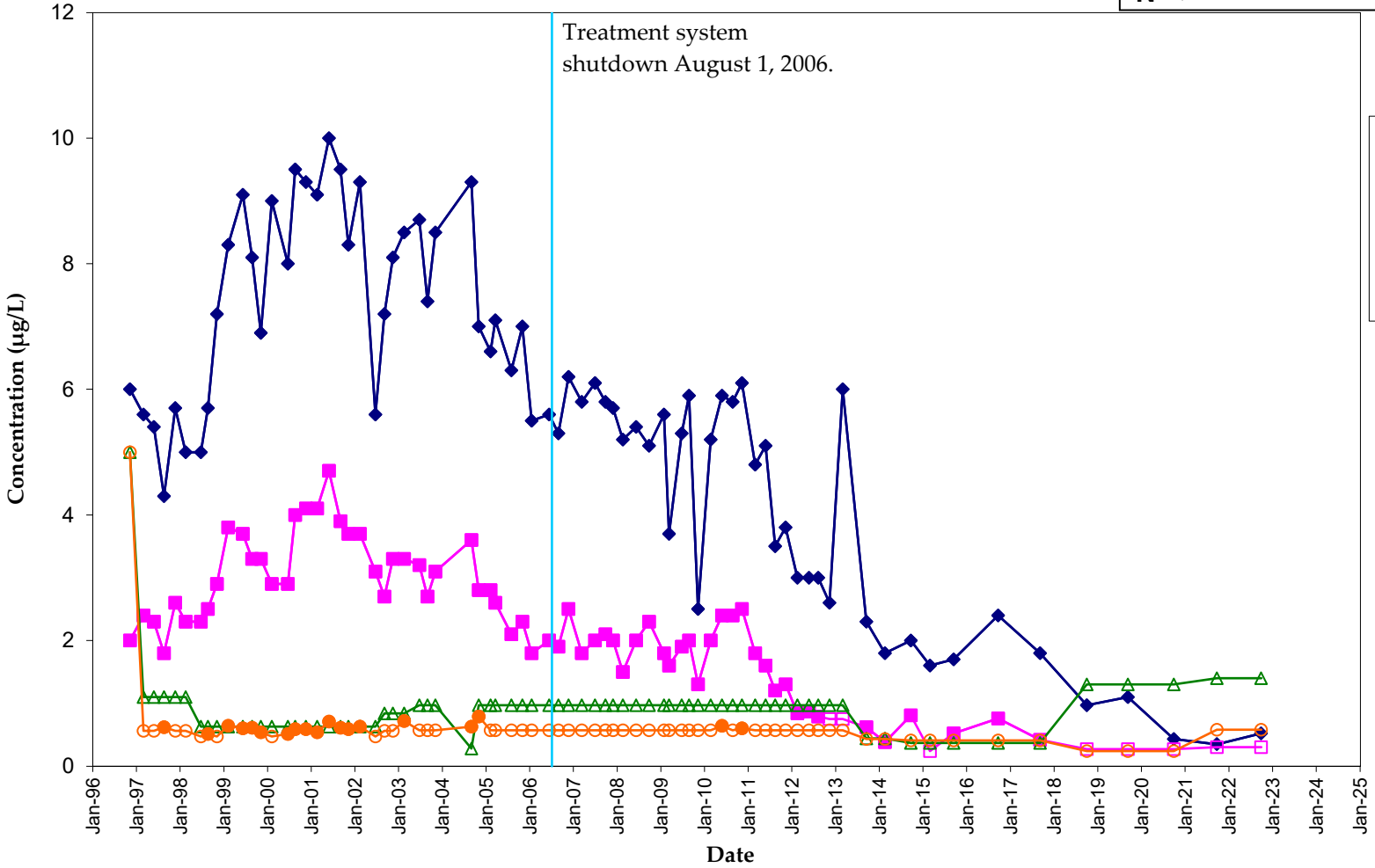
RM-203D VOC Concentration Trends Lemberger Landfill

LL

LTR

● RM-203I, 203D

N ←



- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

Non-detect results have open data symbols.

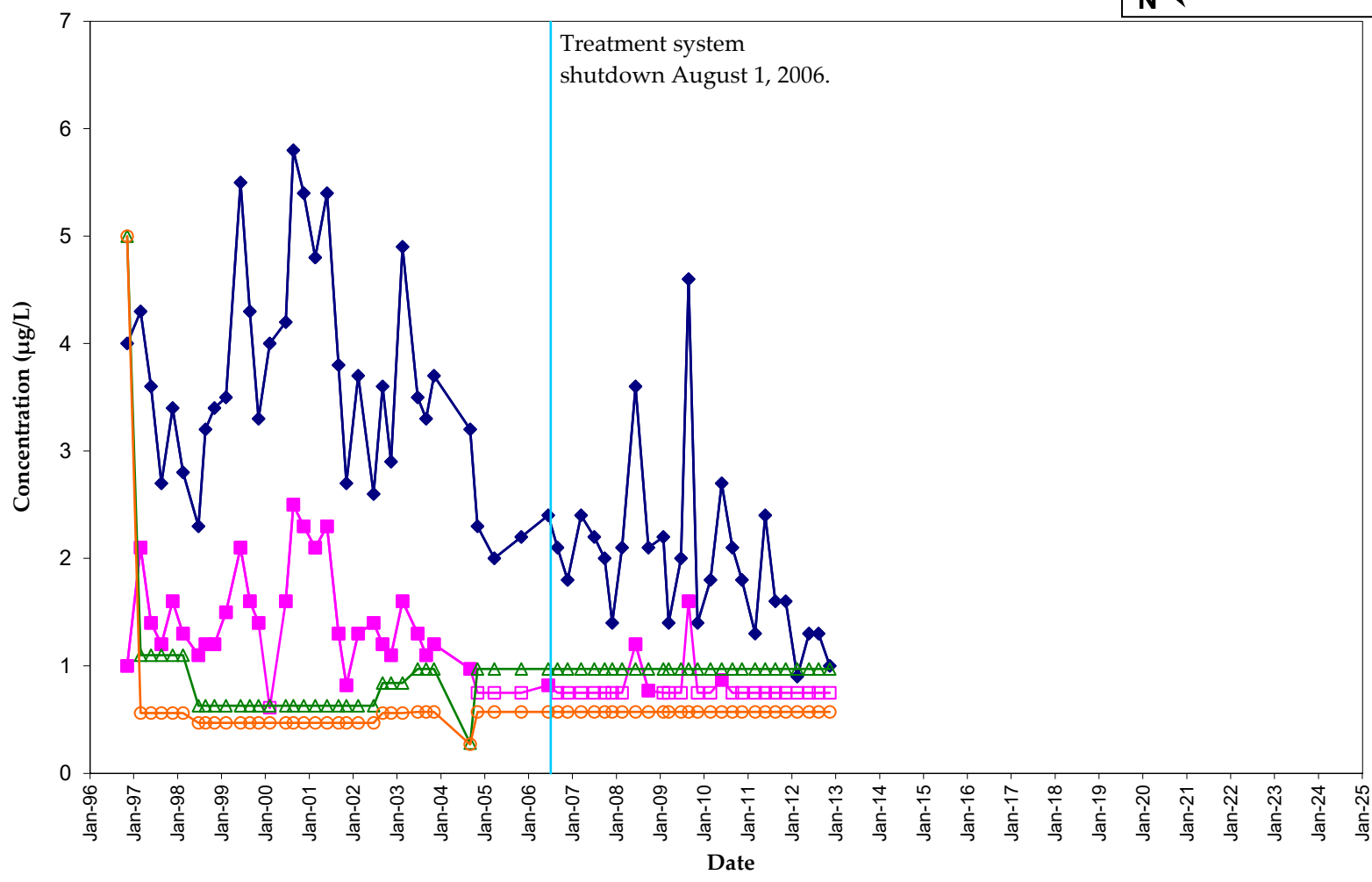
RM-203I VOC Concentration Trends Lemberger Landfill

LL

LTR

● RM-203I, 203D

N ←



- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

Non-detect results have open data symbols.

RM-204D VOC Concentration Trends Lemberger Landfill

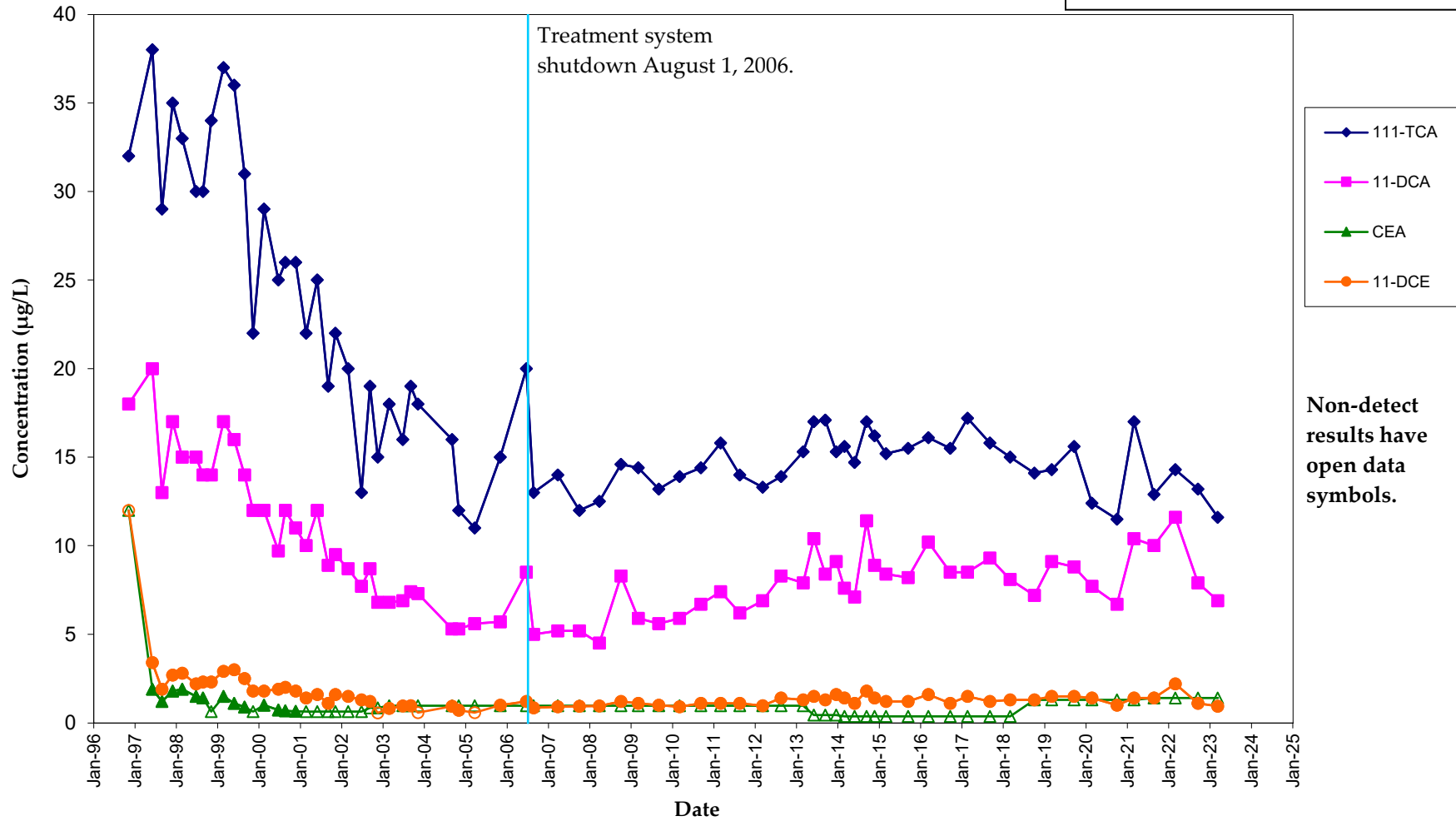
●

RM-204I, 204D

LL

LTR

N ←



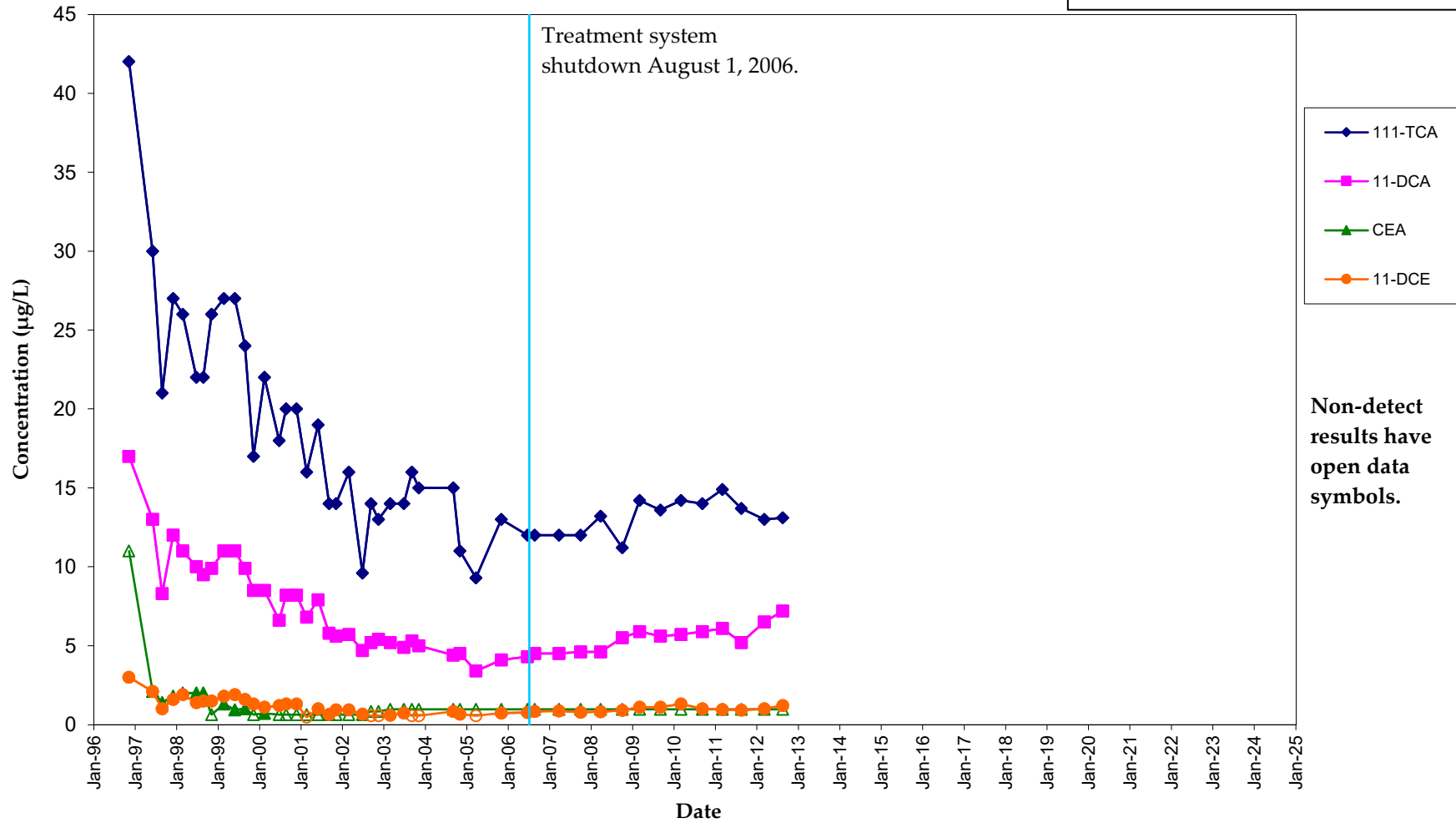
Non-detect results have open data symbols.

RM-204I VOC Concentration Trends Lemberger Landfill

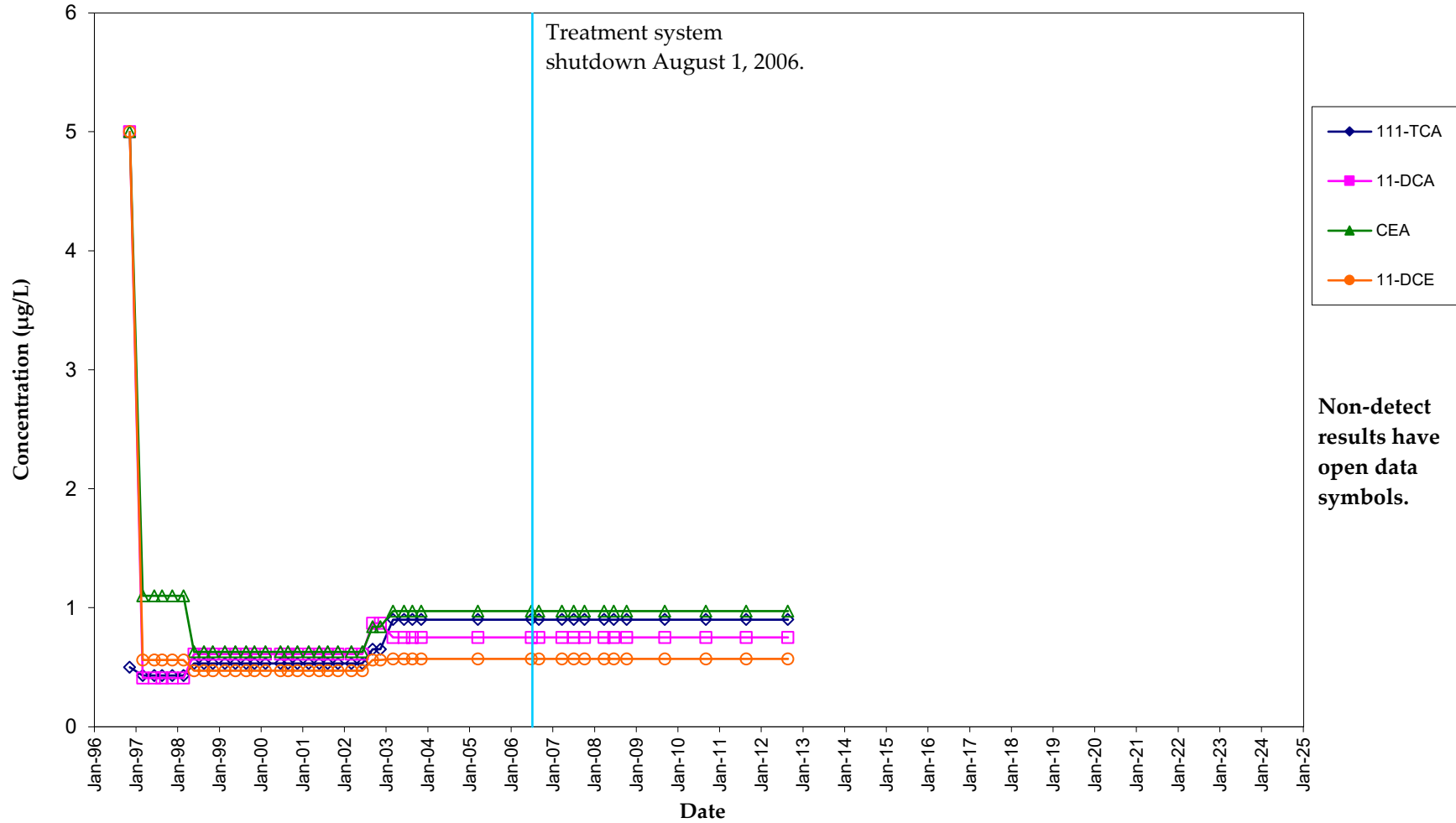
● LL □ LTR

RM-204I, 204D

N ←

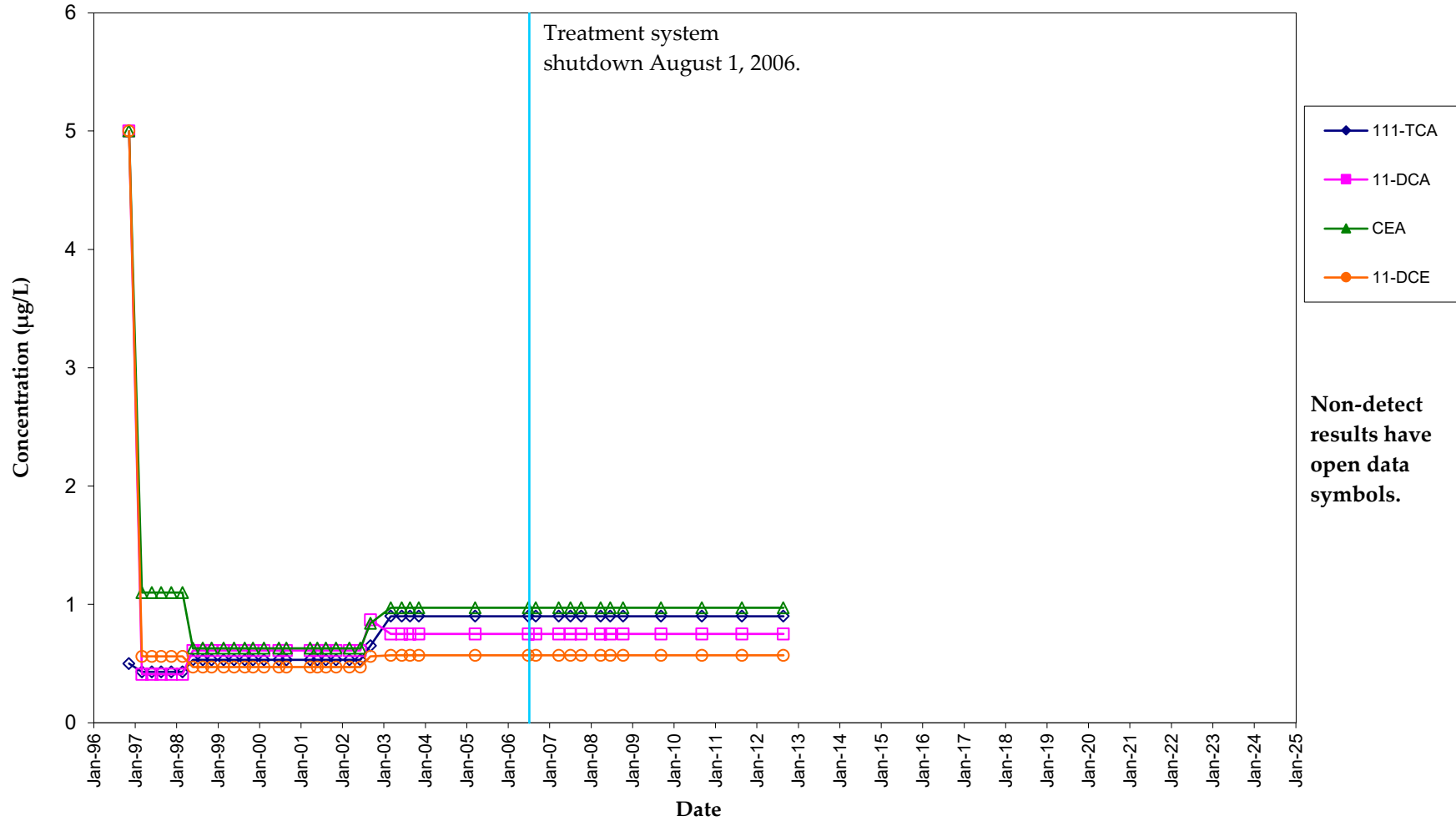


RM-205D VOC Concentration Trends Lemberger Landfill



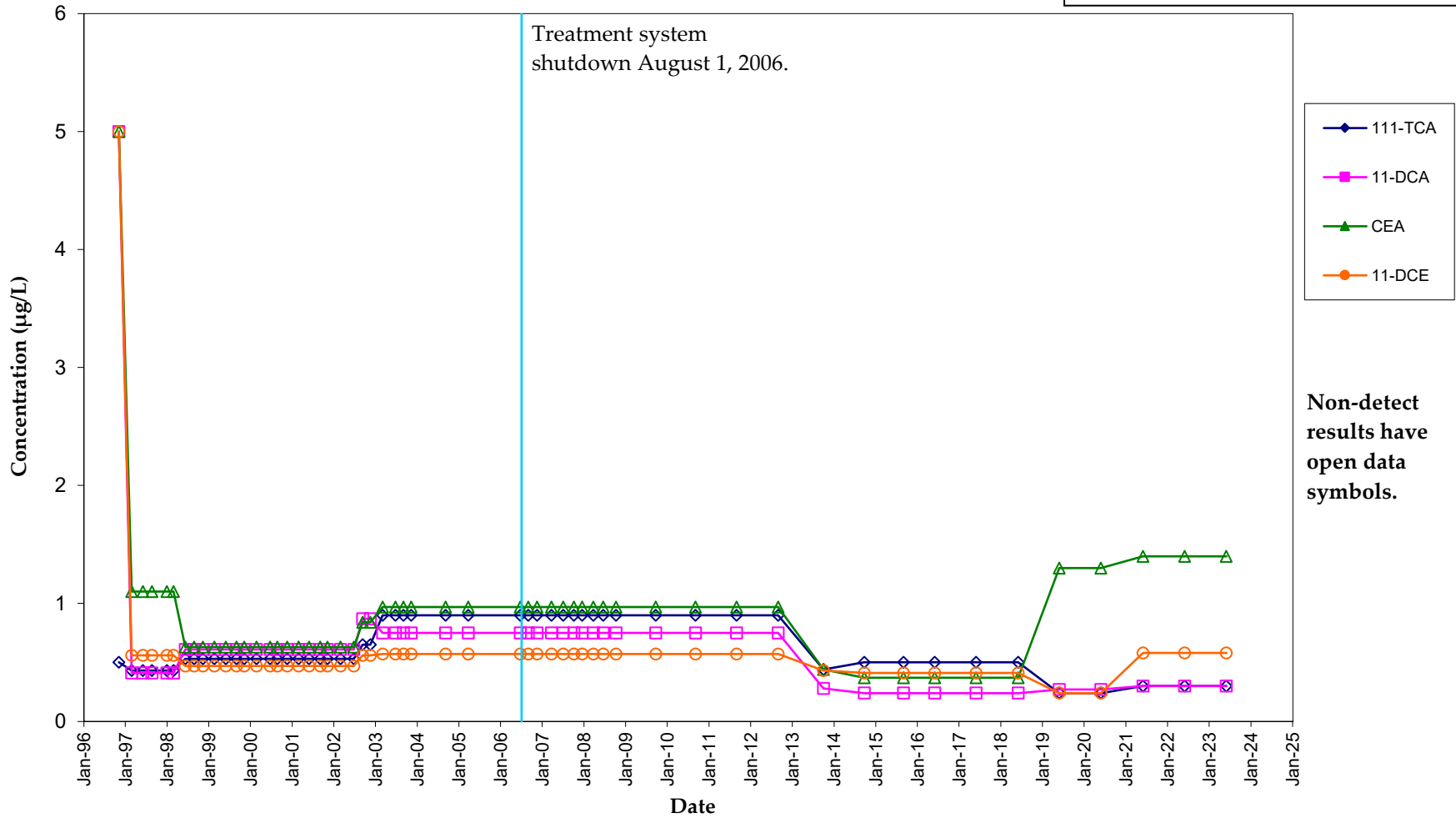
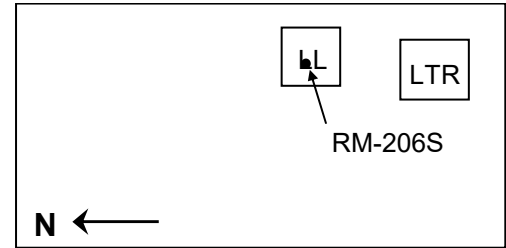
Non-detect results have open data symbols.

RM-205I VOC Concentration Trends Lemberger Landfill

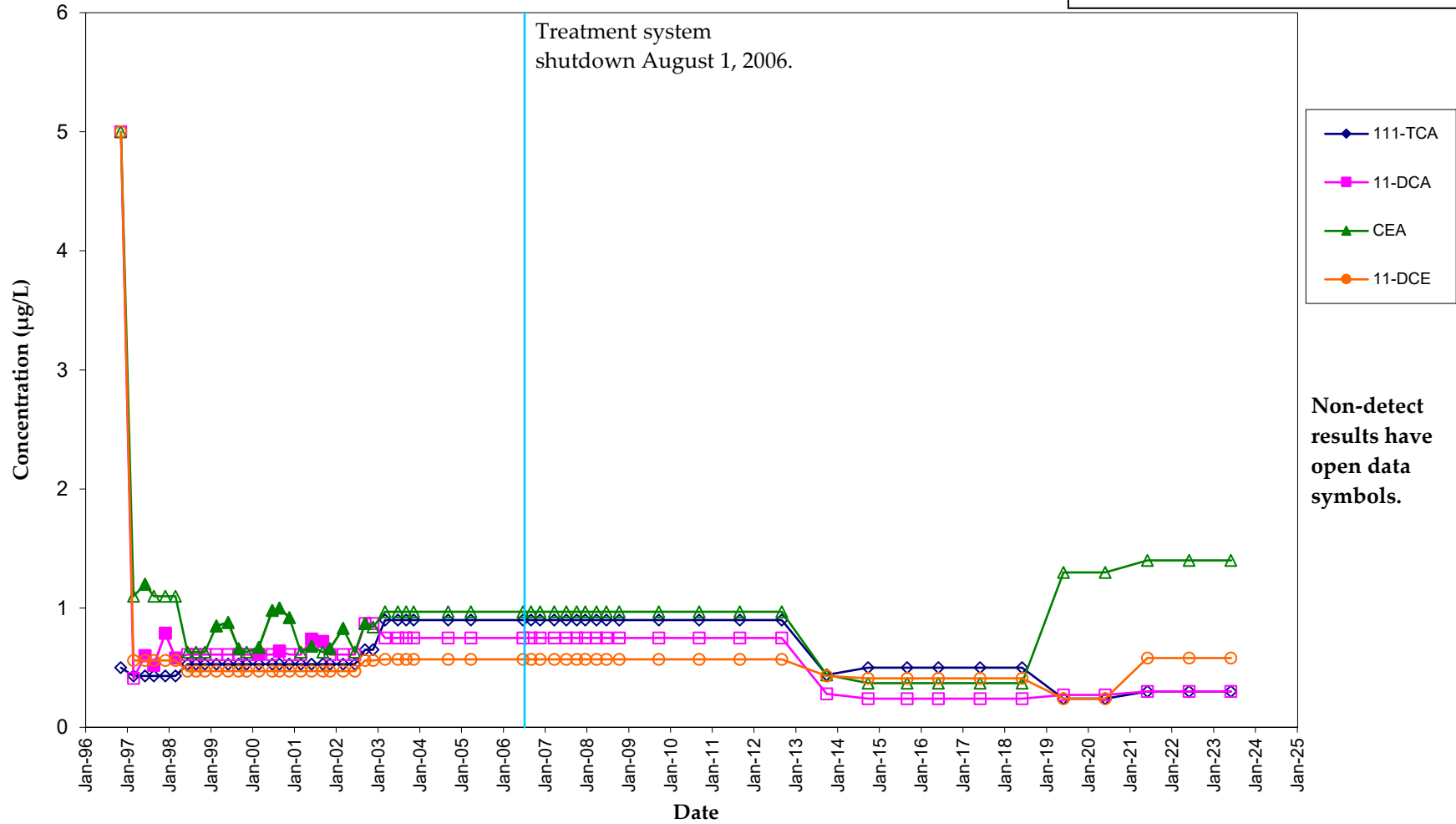
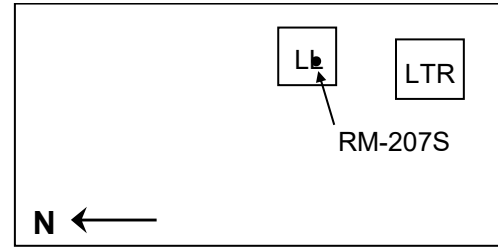


Non-detect results have open data symbols.

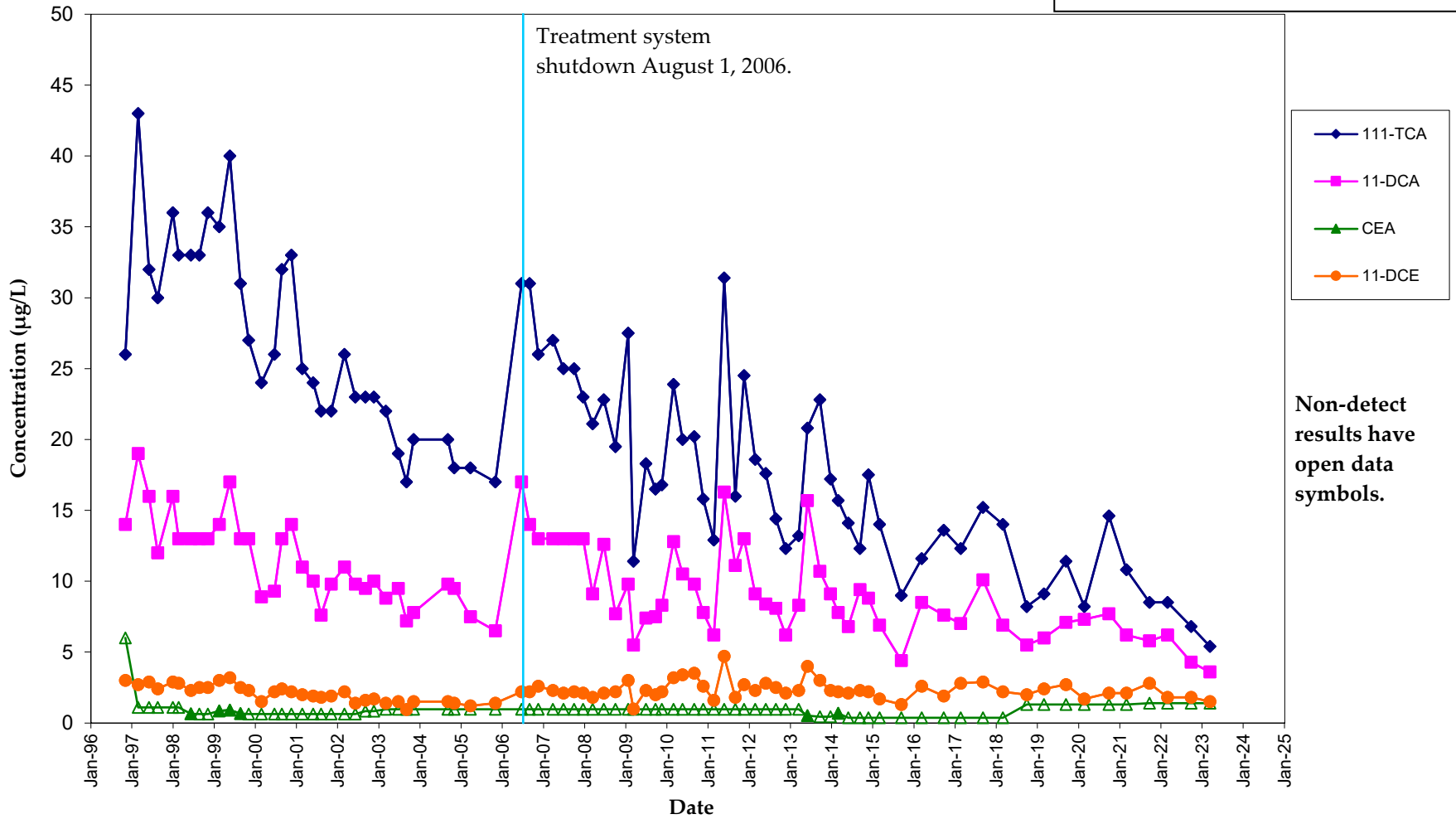
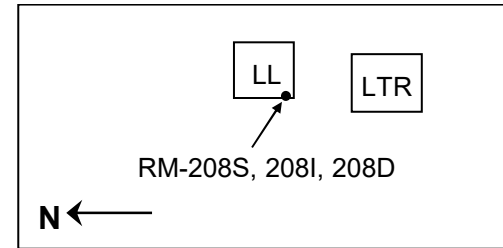
RM-206S VOC Concentration Trends Lemberger Landfill



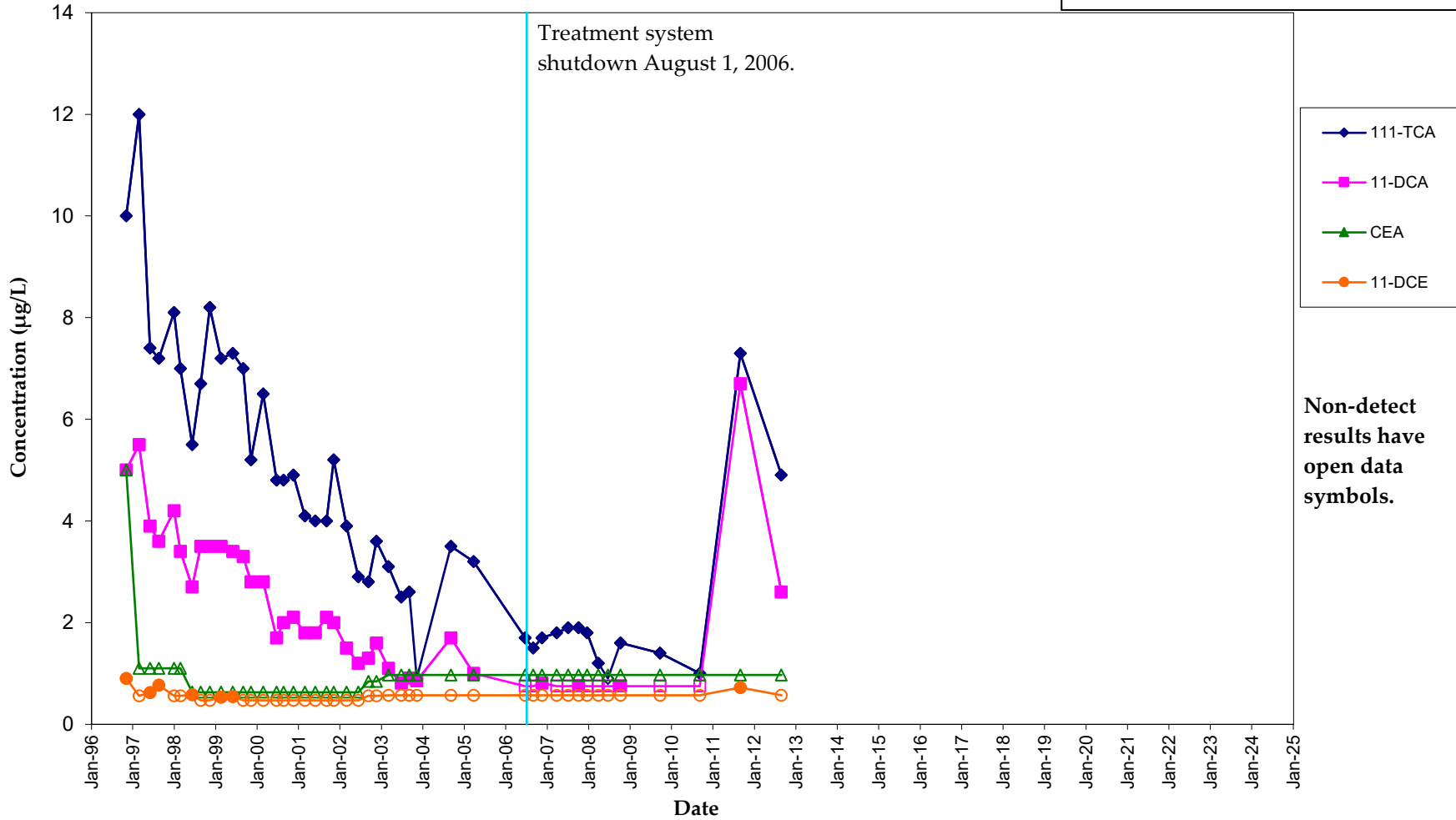
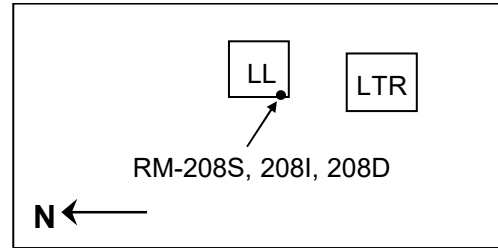
RM-207S VOC Concentration Trends Lemberger Landfill



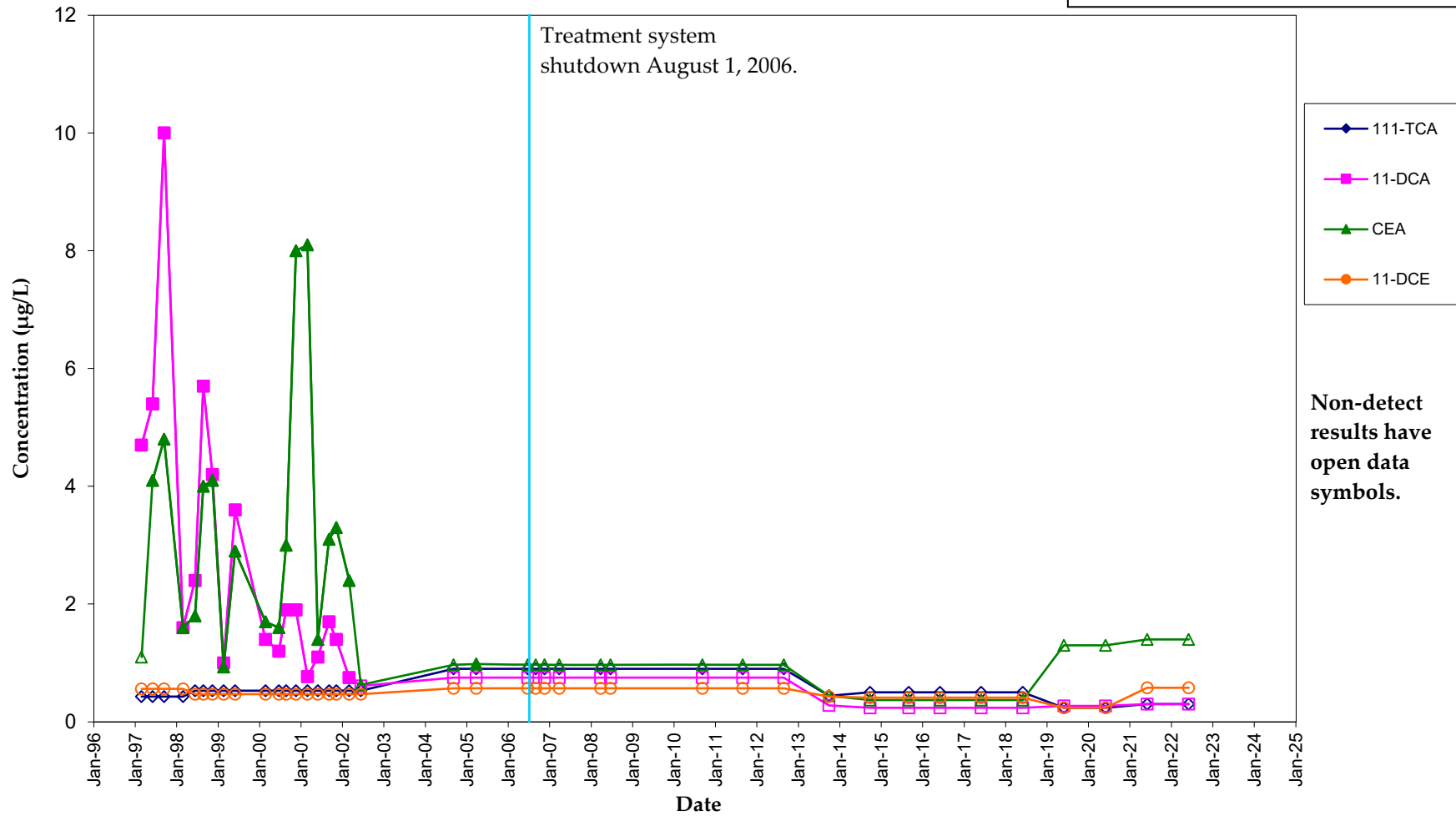
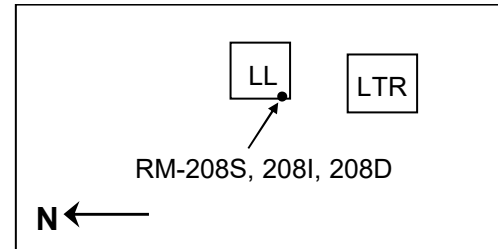
RM-208D VOC Concentration Trends Lemberger Landfill



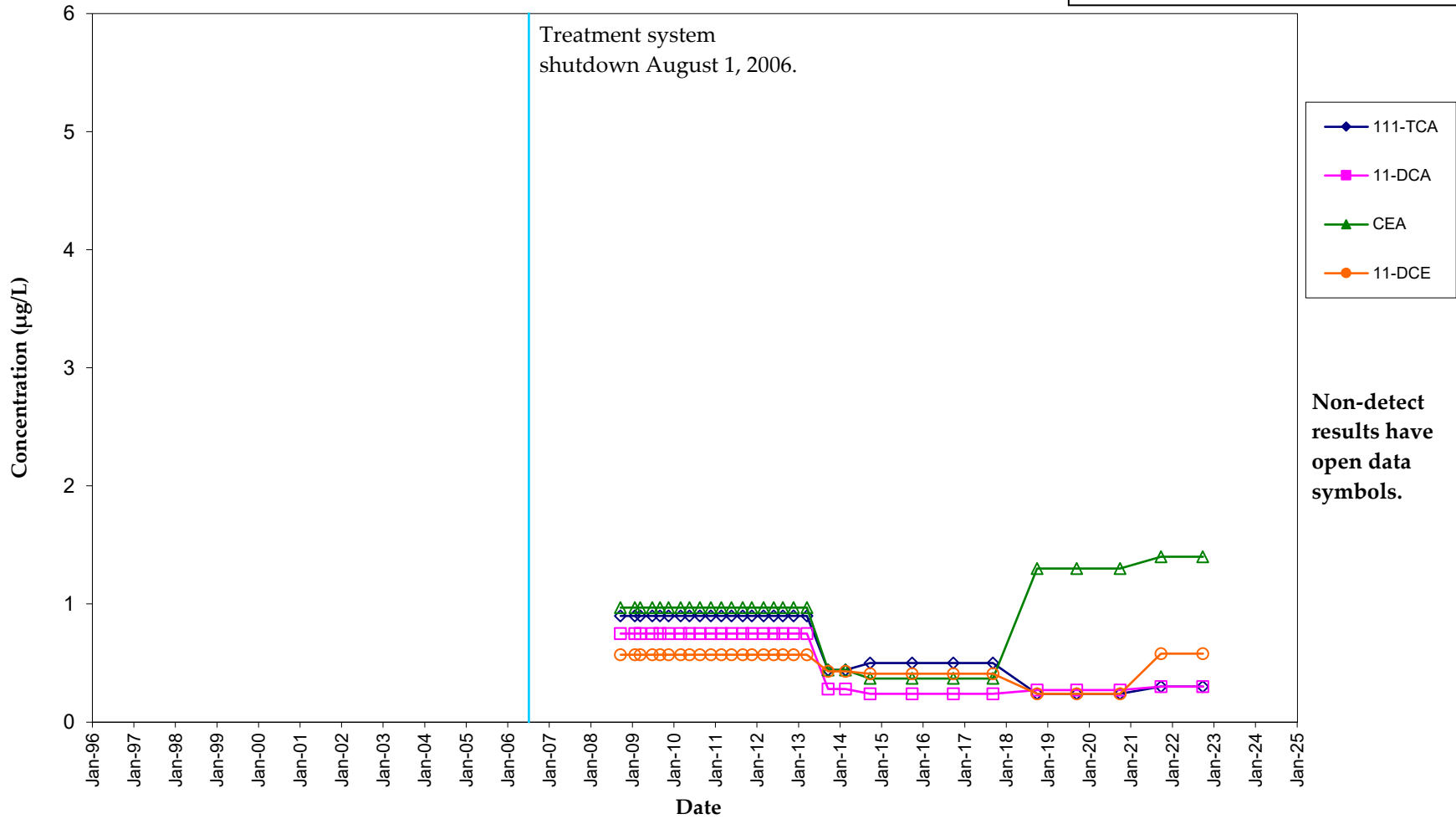
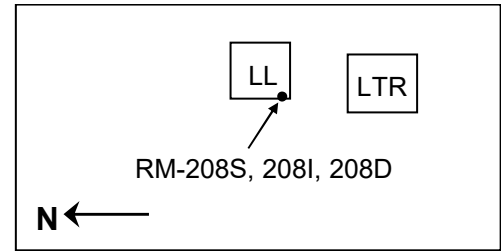
RM-208I VOC Concentration Trends Lemberger Landfill



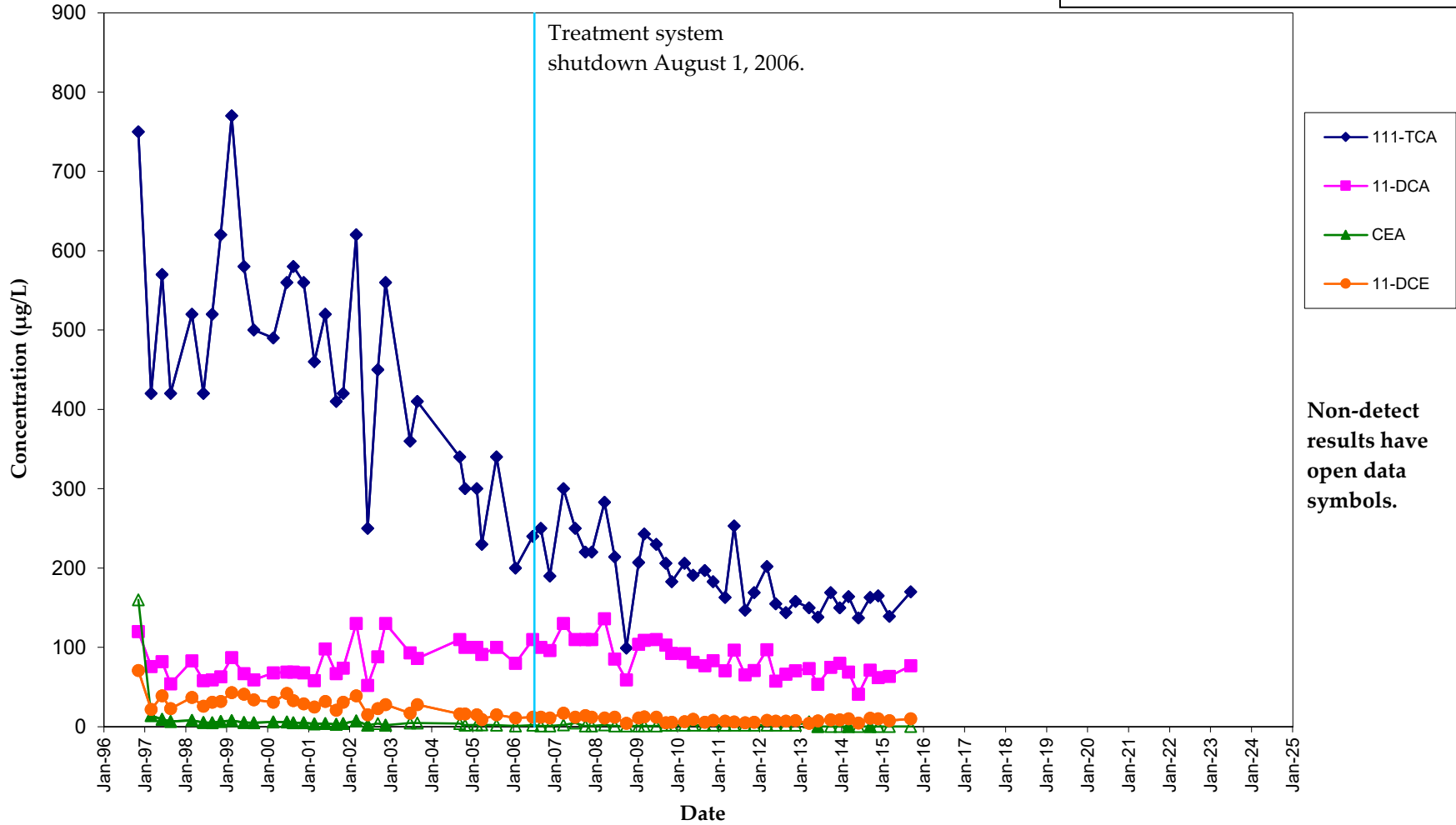
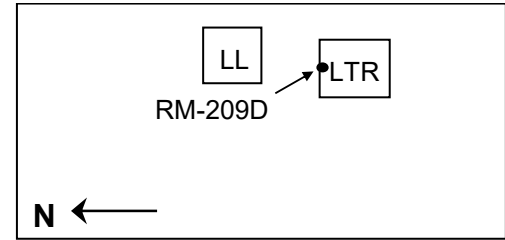
RM-208S VOC Concentration Trends Lemberger Landfill



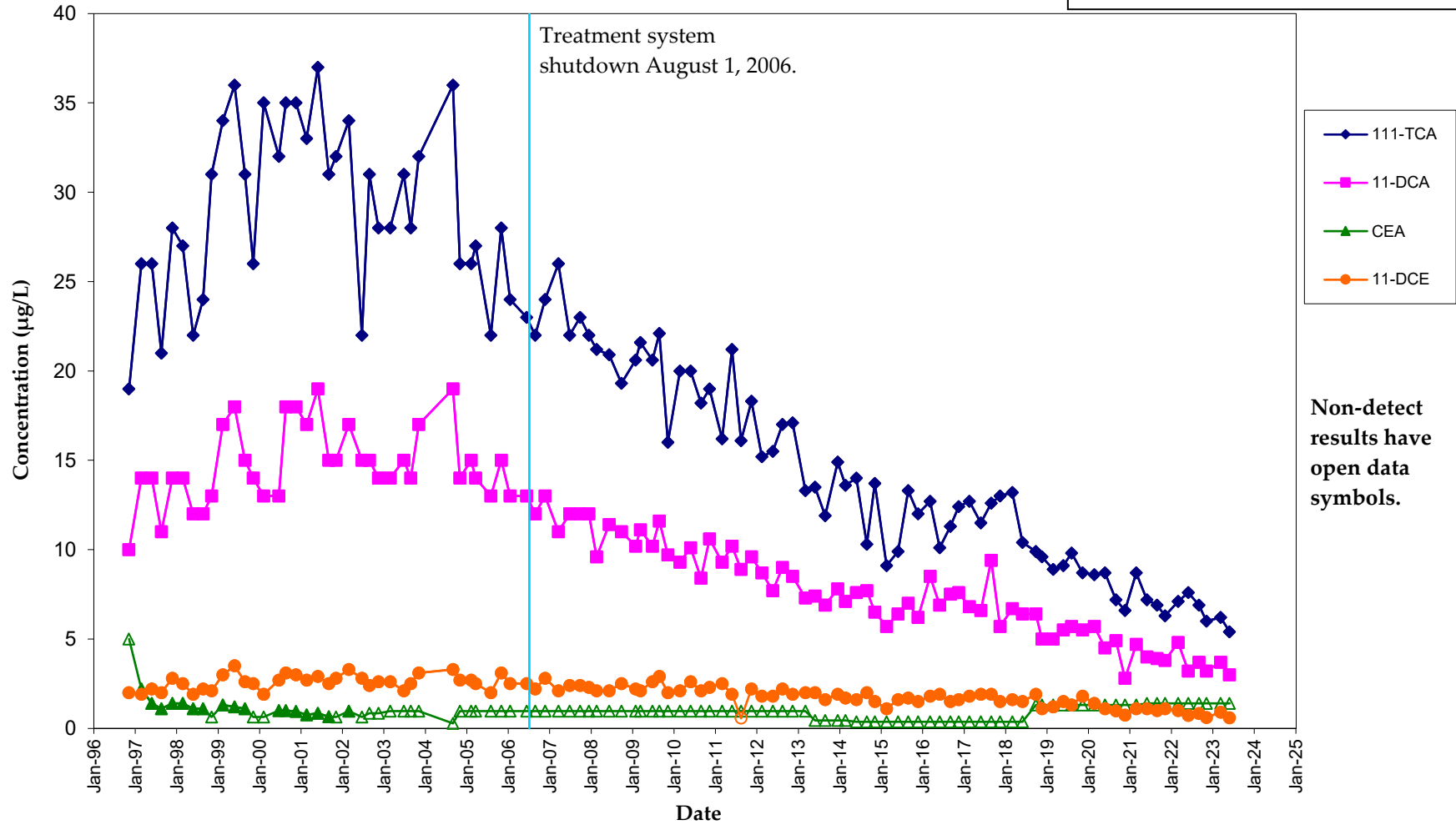
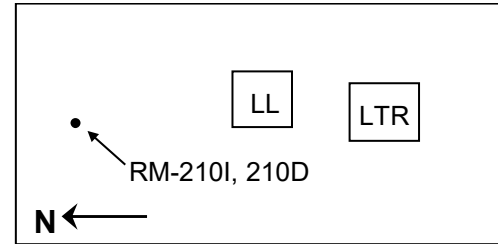
RM-208XD VOC Concentration Trends Lemberger Landfill



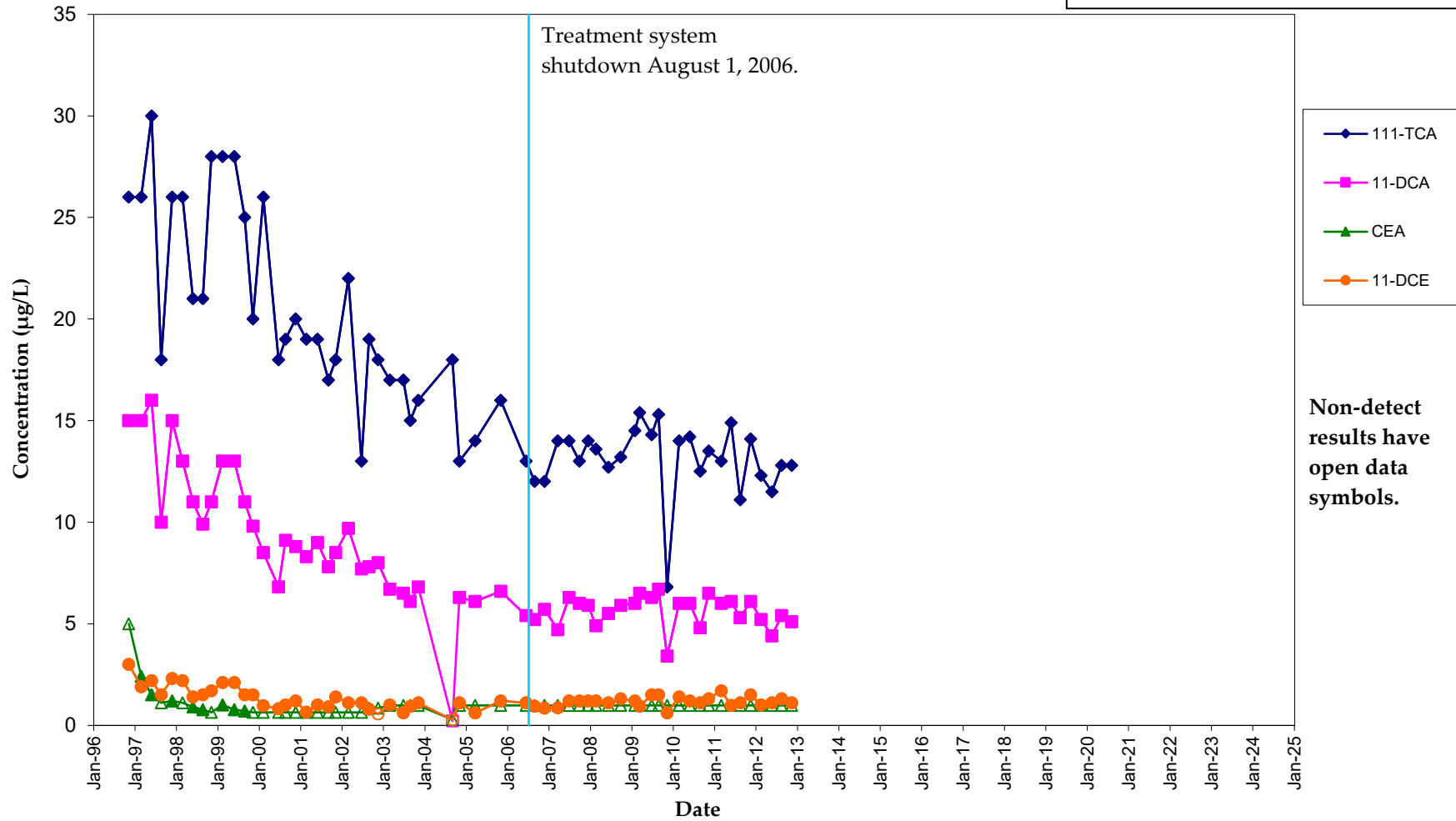
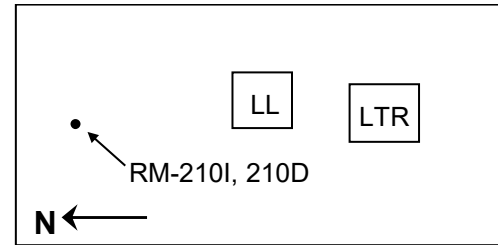
RM-209D VOC Concentration Trends Lemberger Landfill



RM-210D VOC Concentration Trends Lemberger Landfill



RM-210I VOC Concentration Trends Lemberger Landfill



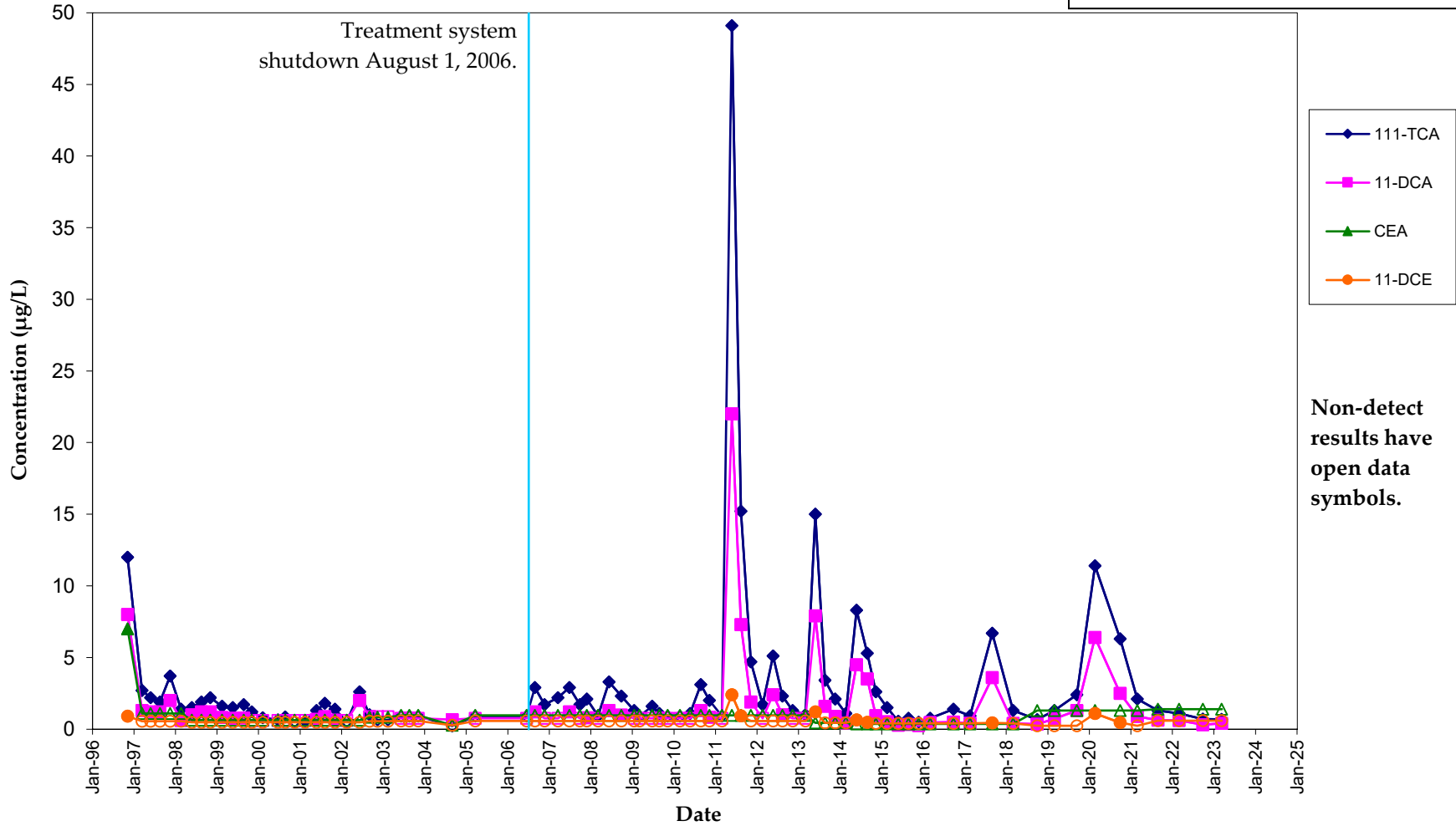
RM-211D VOC Concentration Trends Lemberger Landfill

LL

LTR

RM-211D

N ←



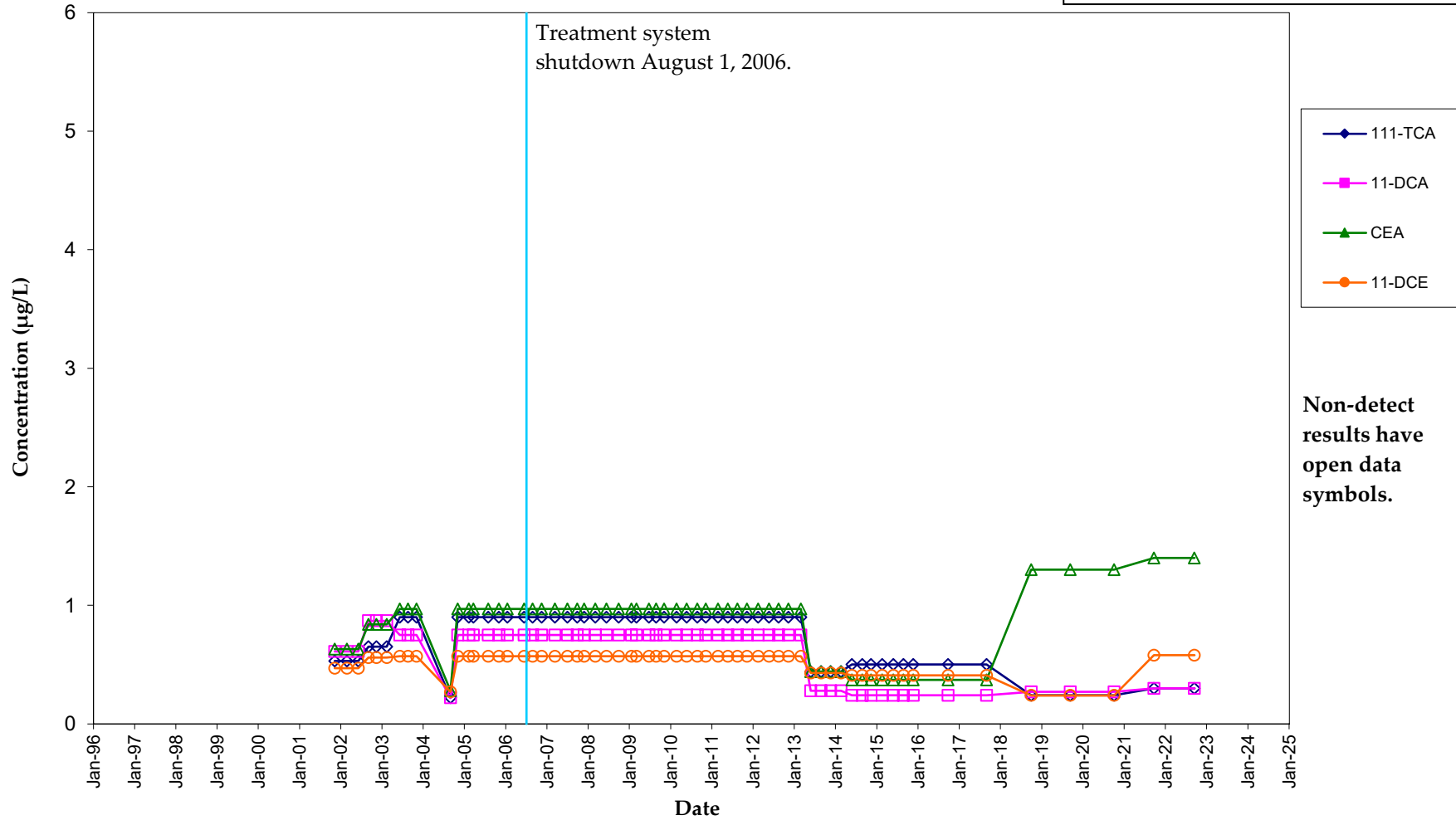
RM-212D VOC Concentration Trends Lemberger Landfill

LL

LTR

• RM-212I, 212D

N ←

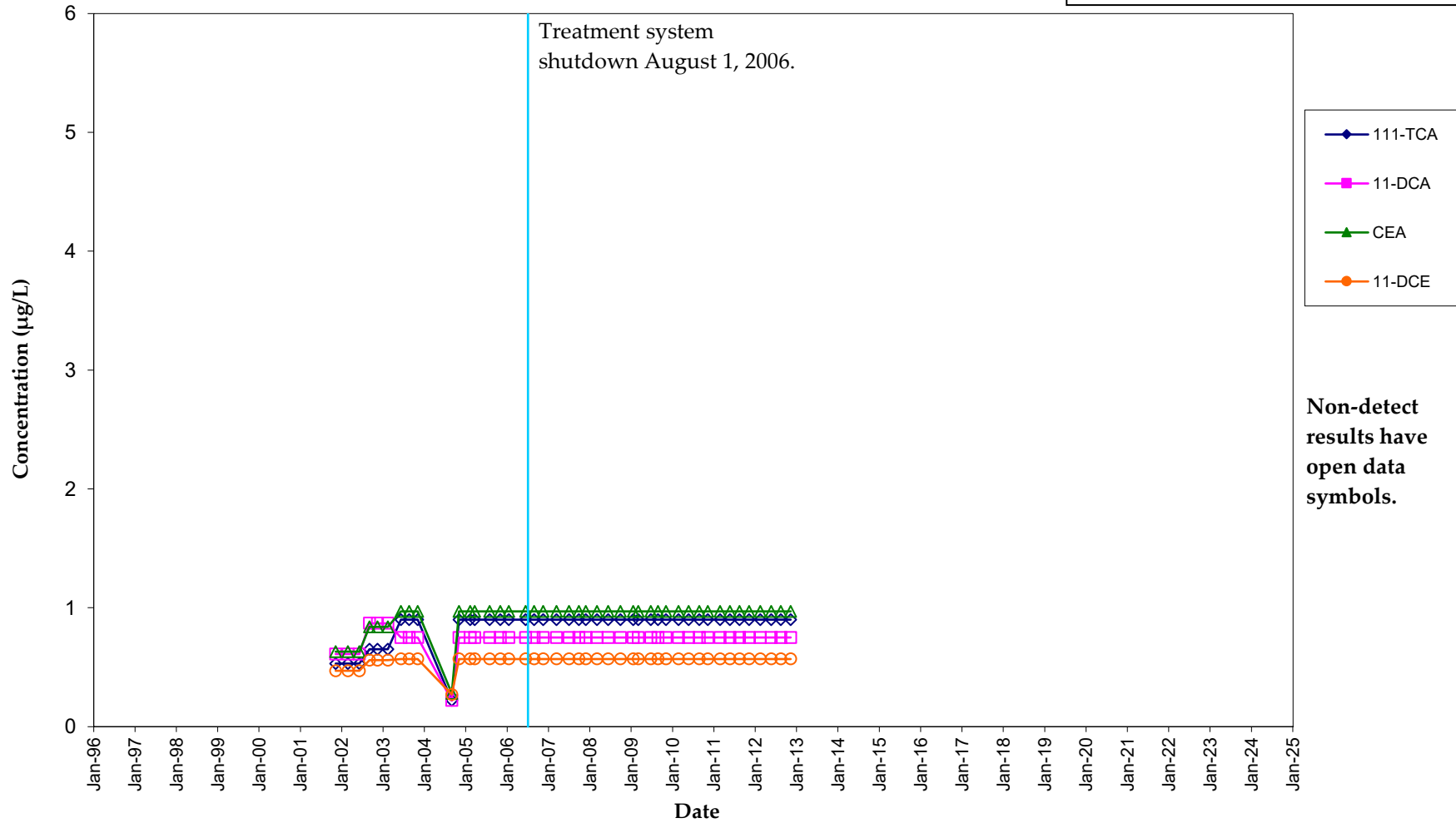


RM-212I VOC Concentration Trends Lemberger Landfill

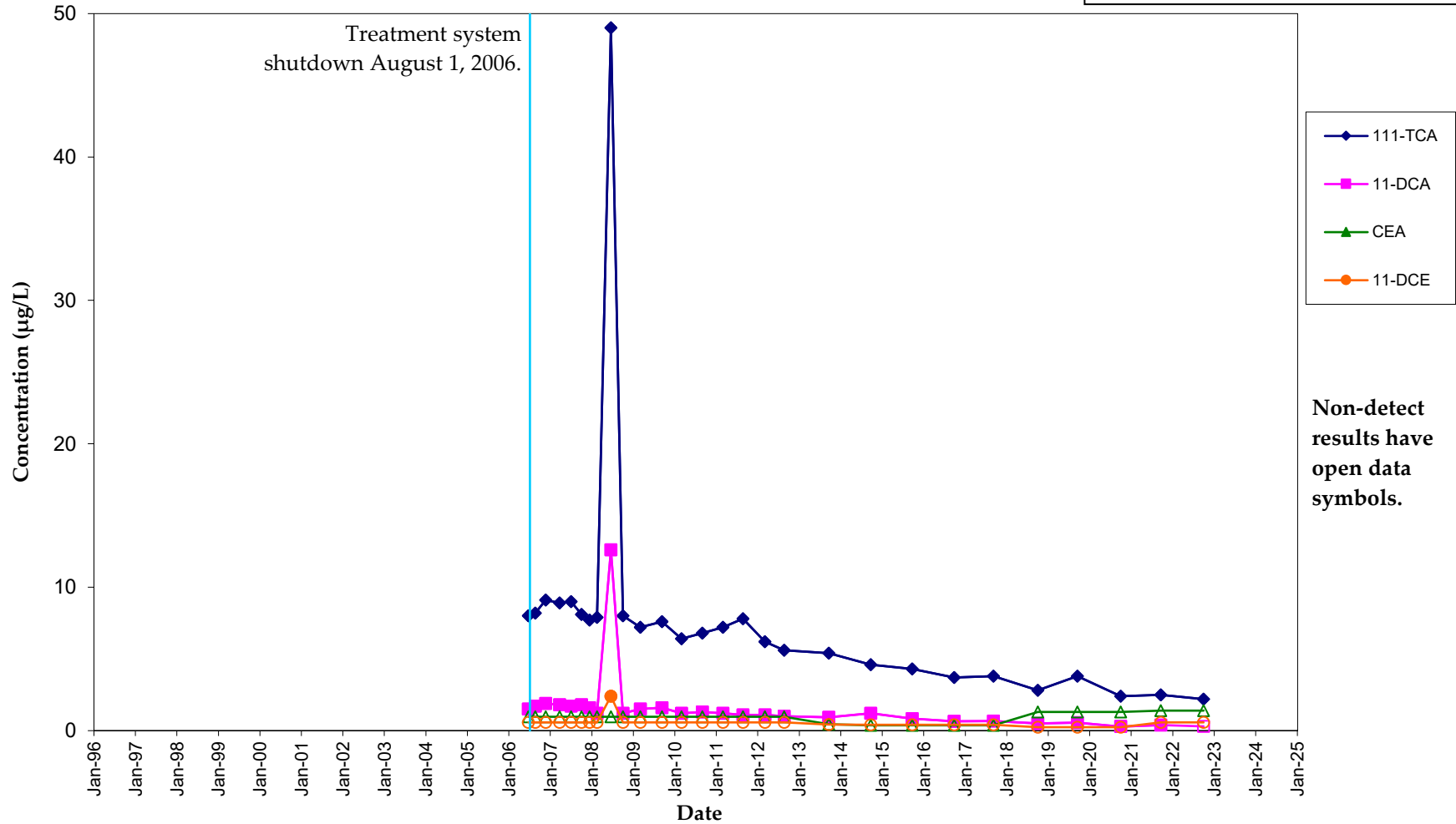
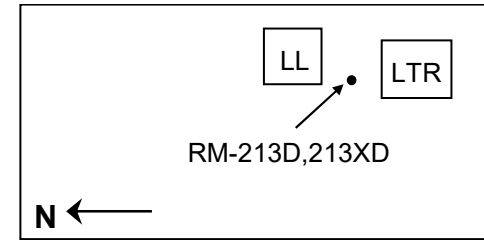
LL LTR

• RM-212I, 212D

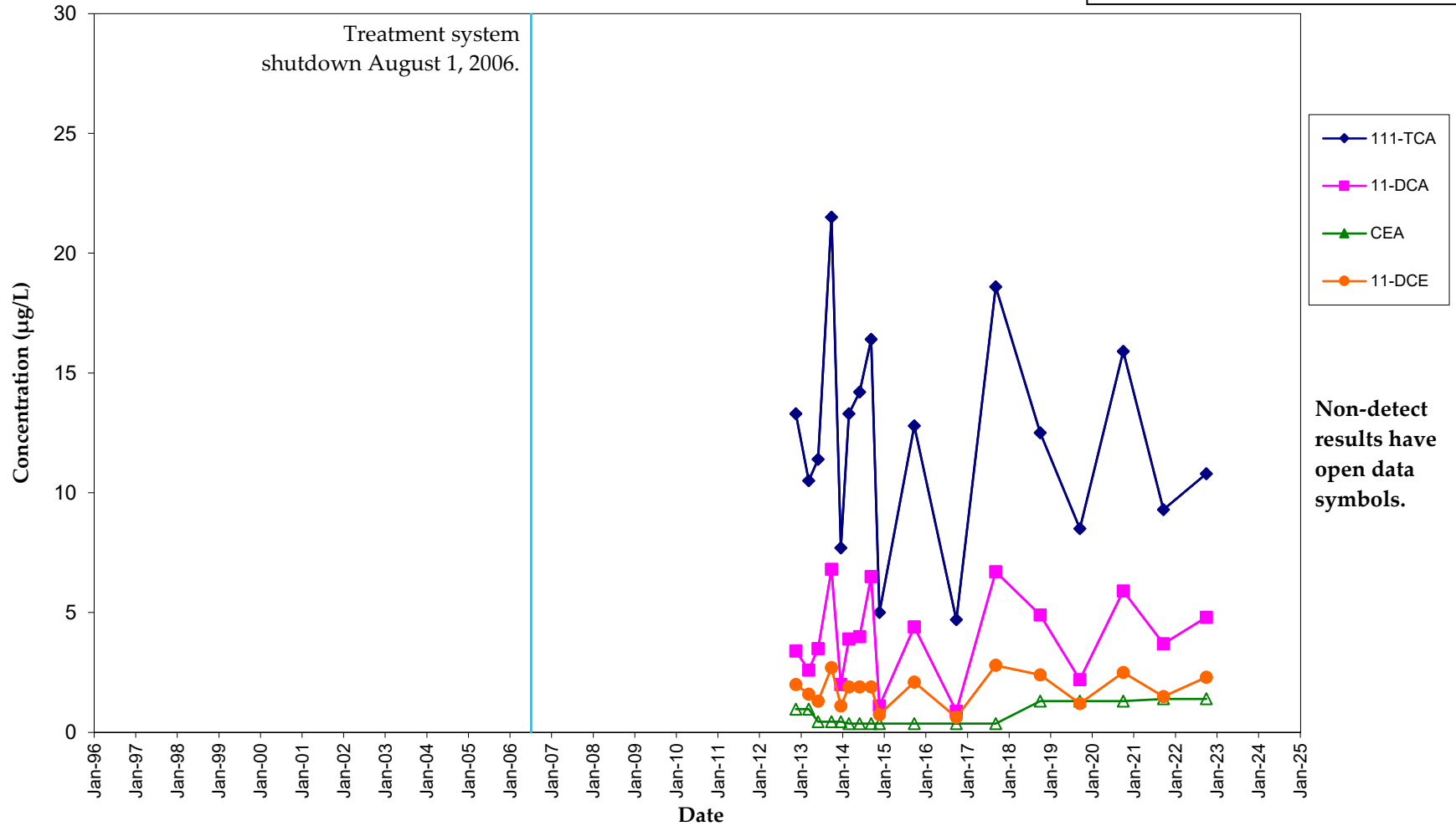
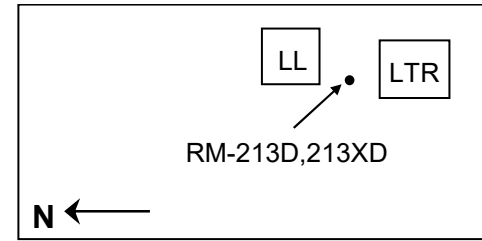
N ←



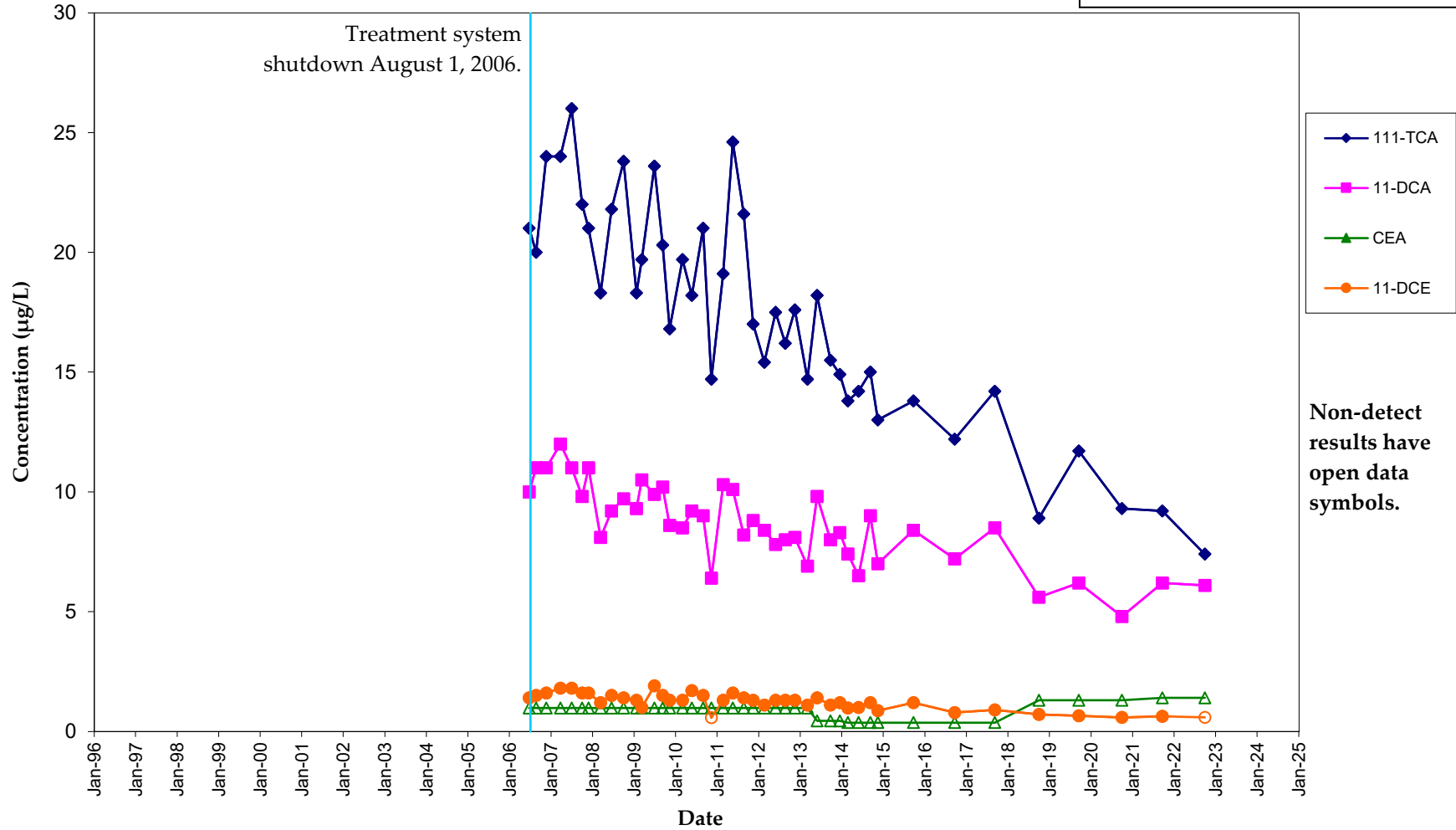
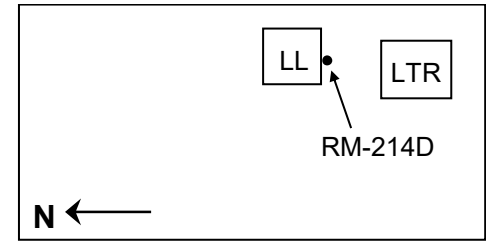
RM-213D VOC Concentration Trends Lemberger Landfill



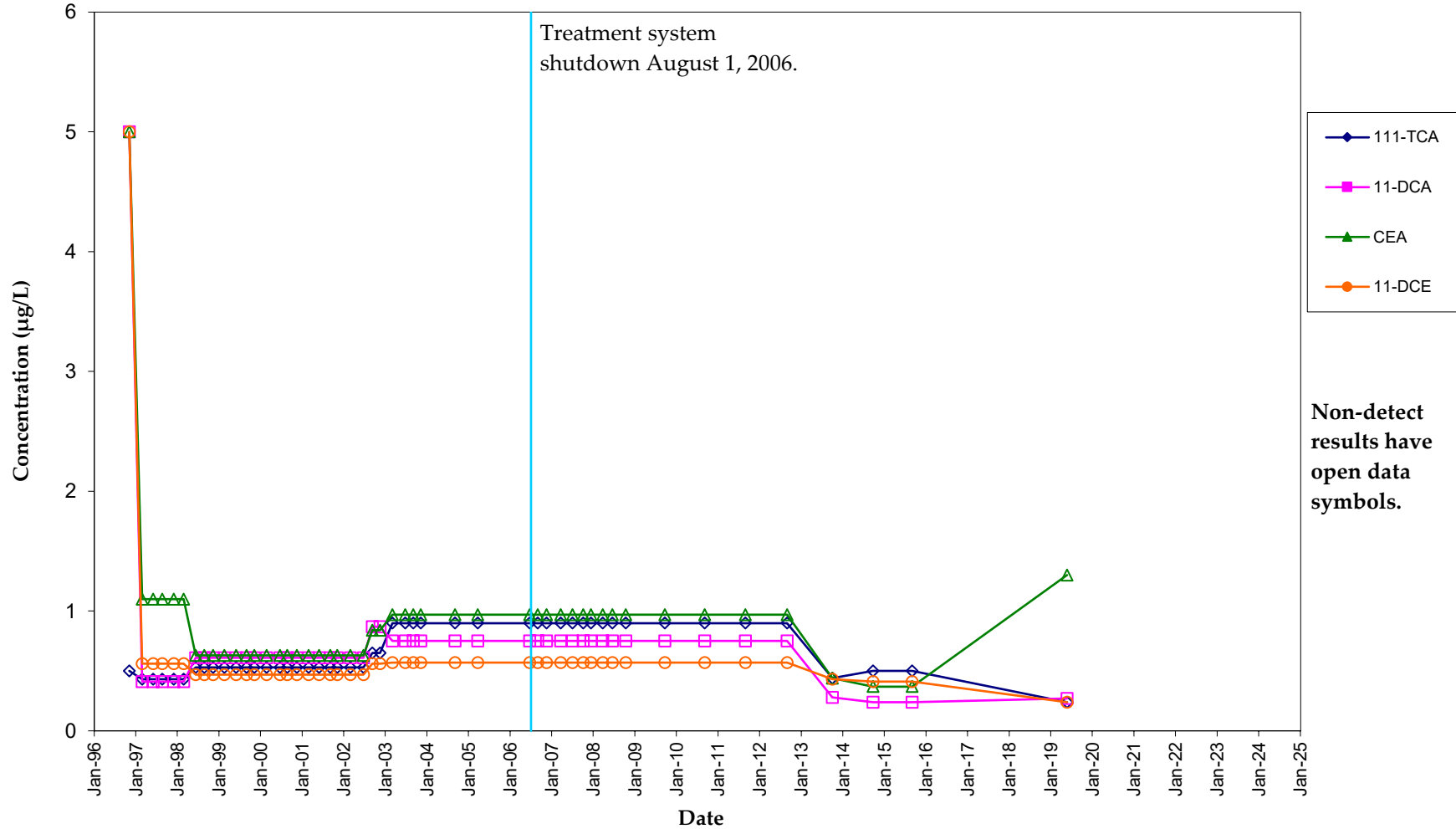
RM-213XD VOC Concentration Trends Lemberger Landfill



RM-214D VOC Concentration Trends Lemberger Landfill

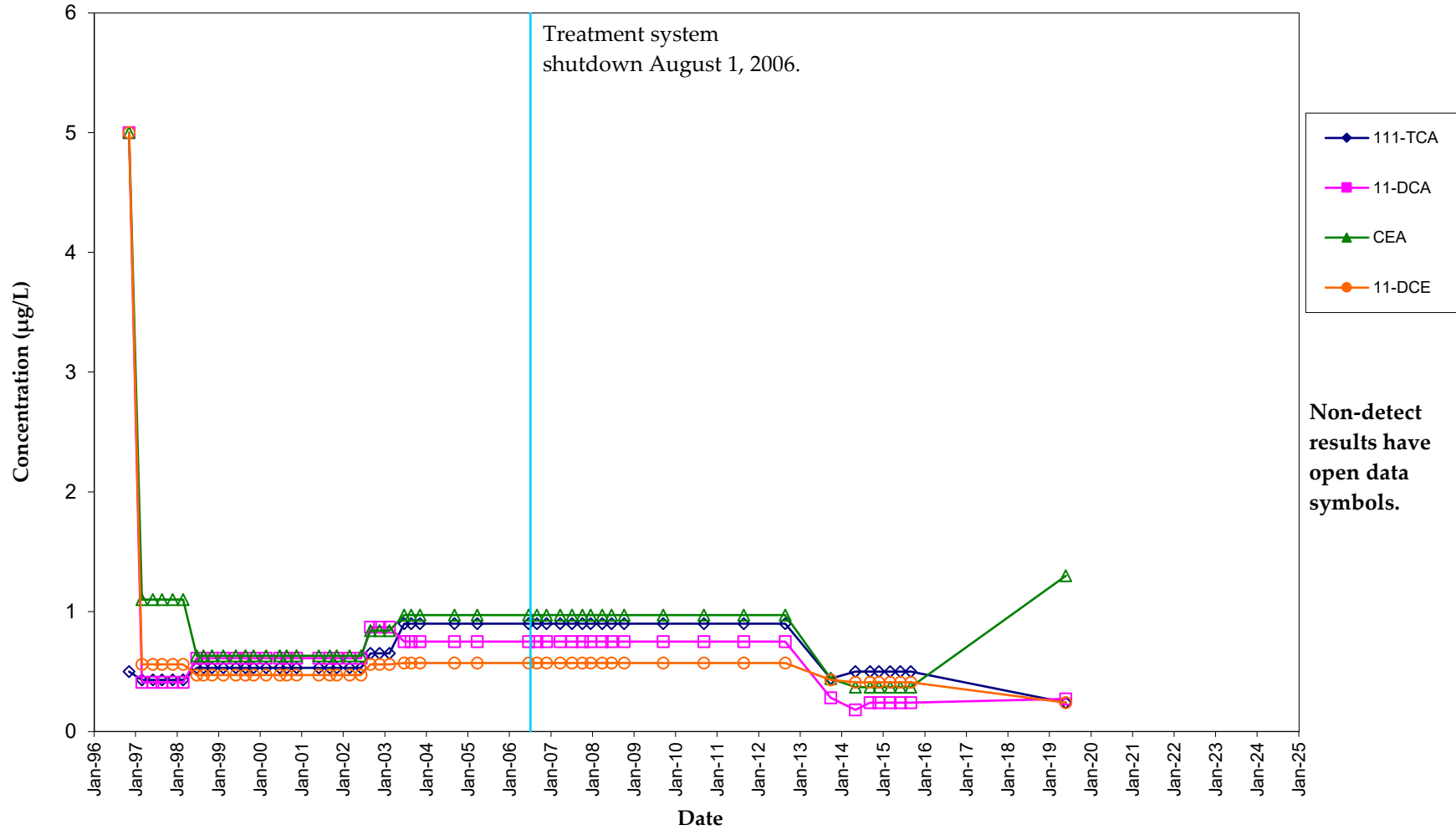


RM-301S VOC Concentration Trends Lemberger Landfill

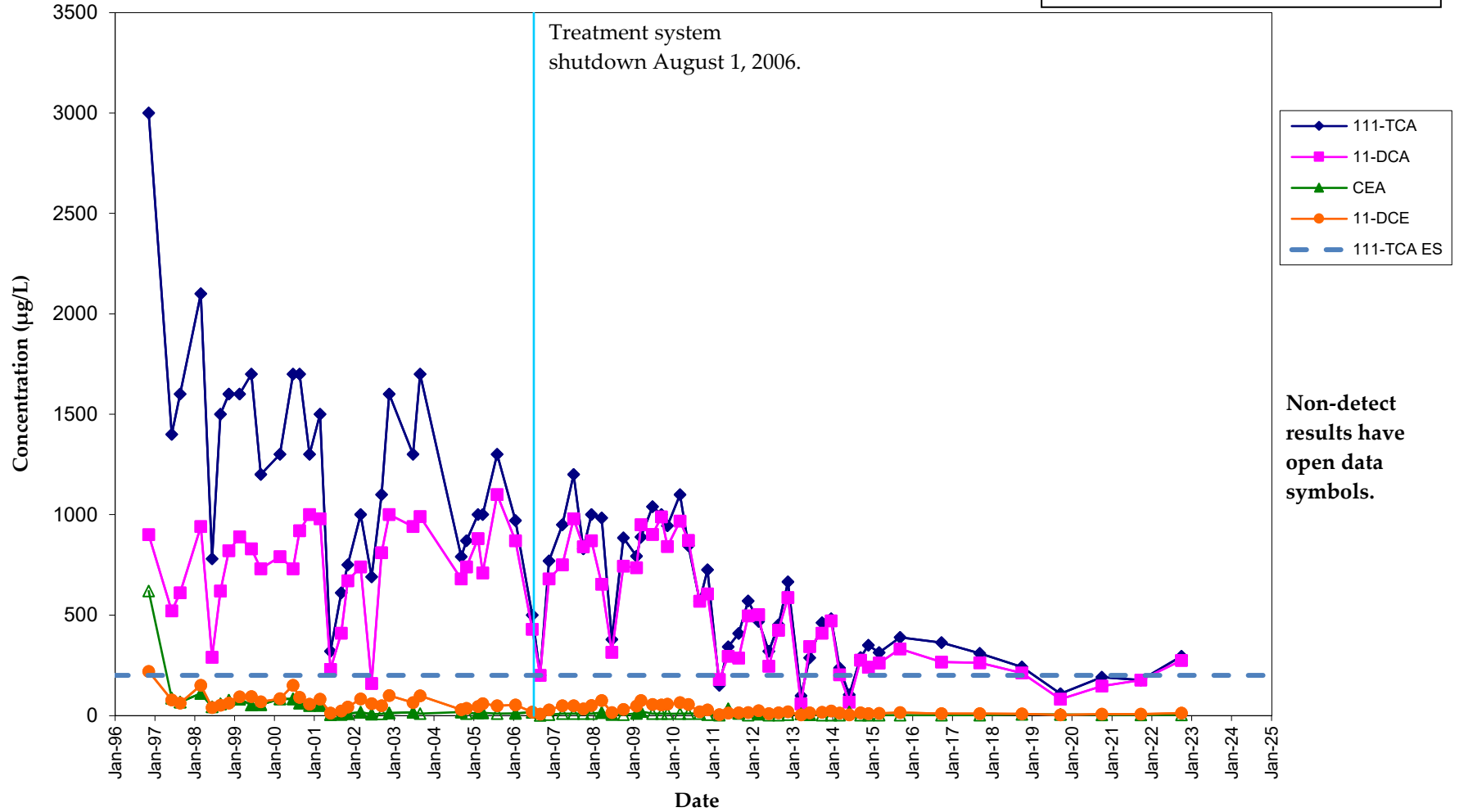
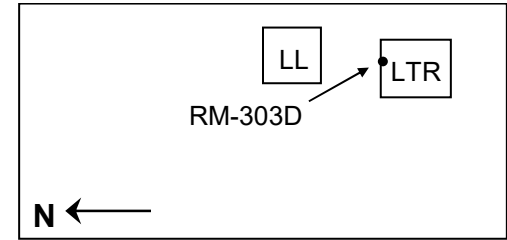


Non-detect results have open data symbols.

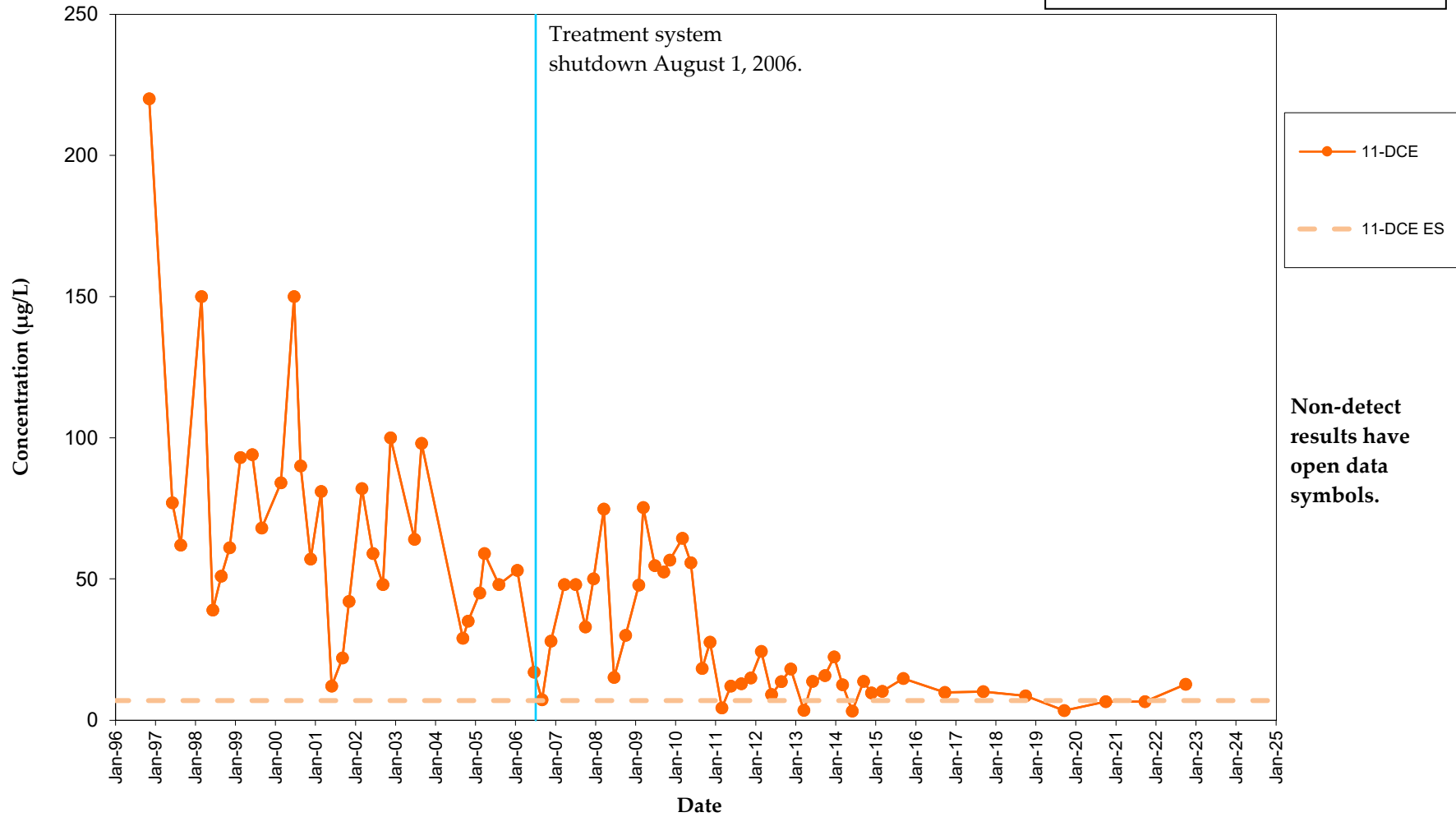
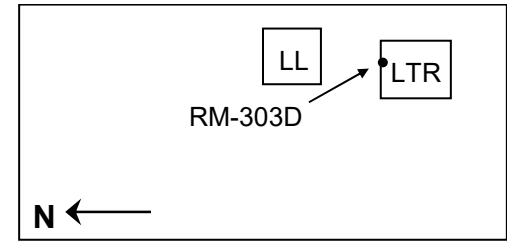
RM-302S VOC Concentration Trends Lemberger Landfill



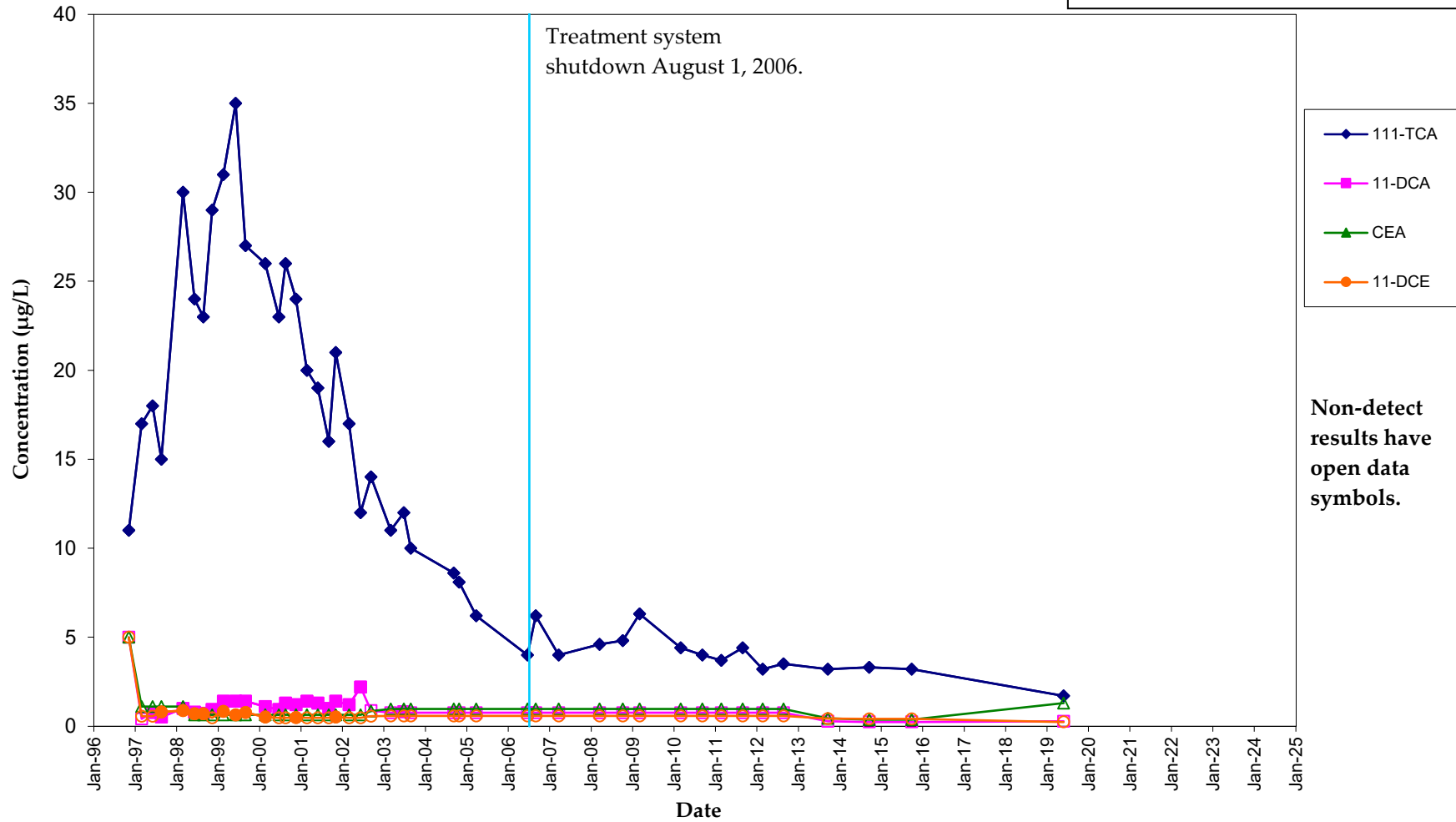
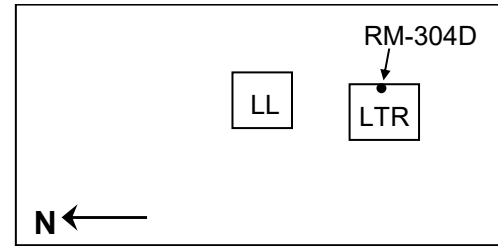
RM-303D VOC Concentration Trends Lemberger Landfill



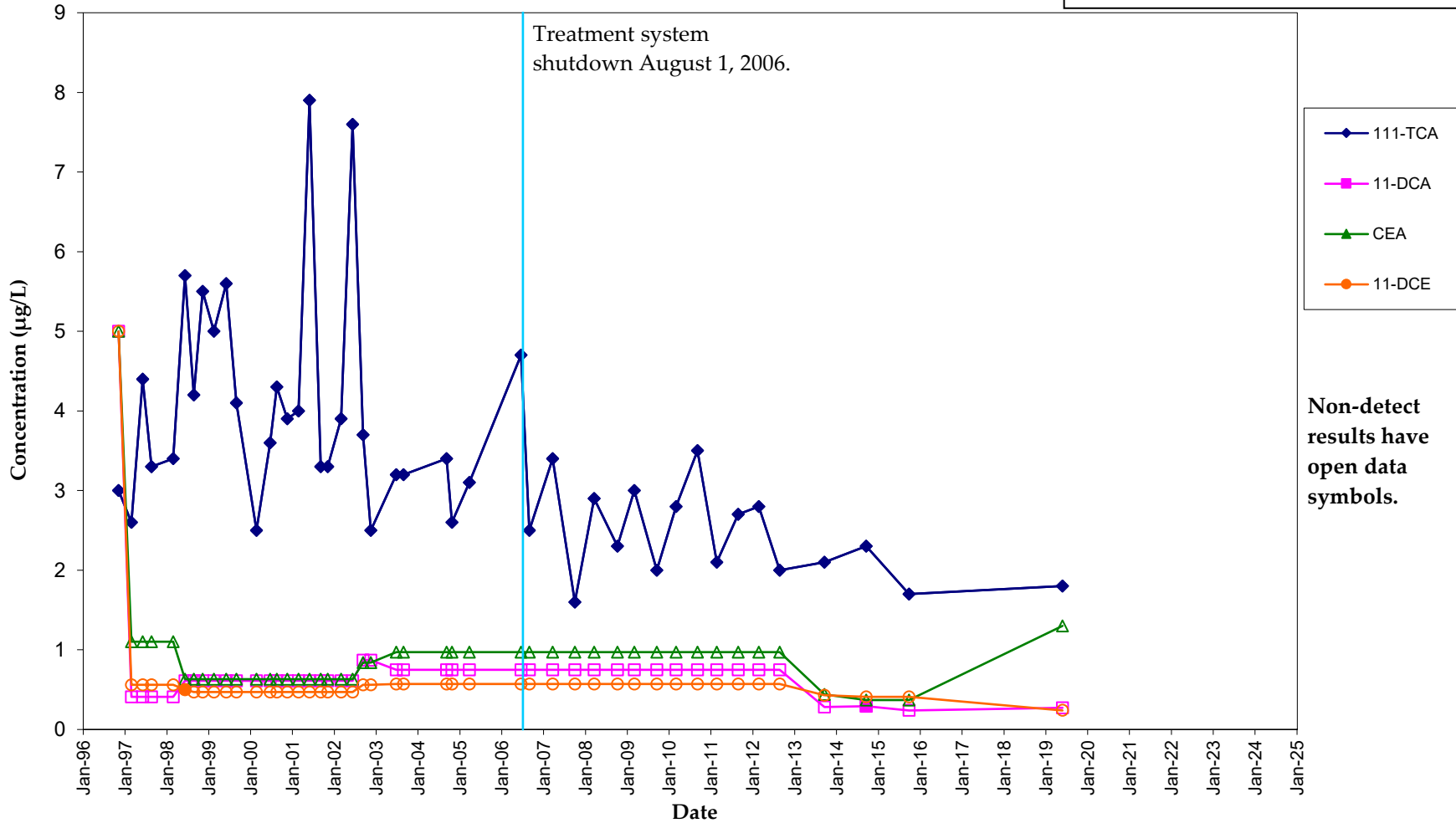
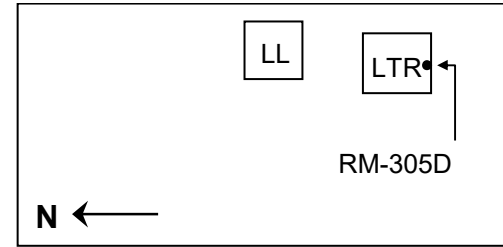
RM-303D VOC Concentration Trends Lemberger Landfill



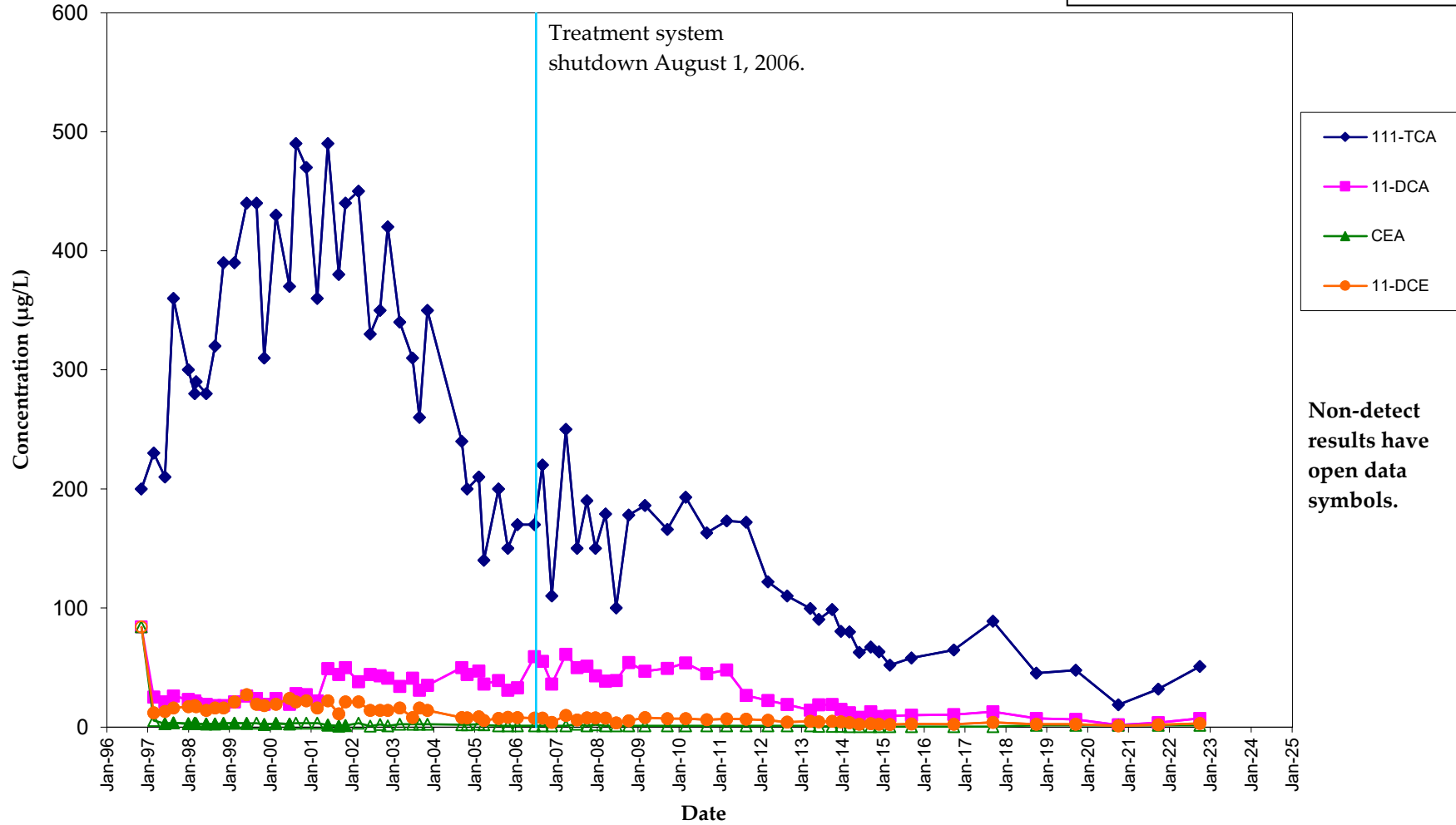
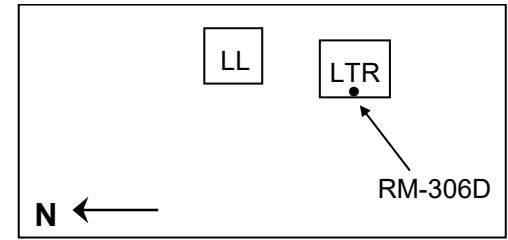
RM-304D VOC Concentration Trends Lemberger Landfill



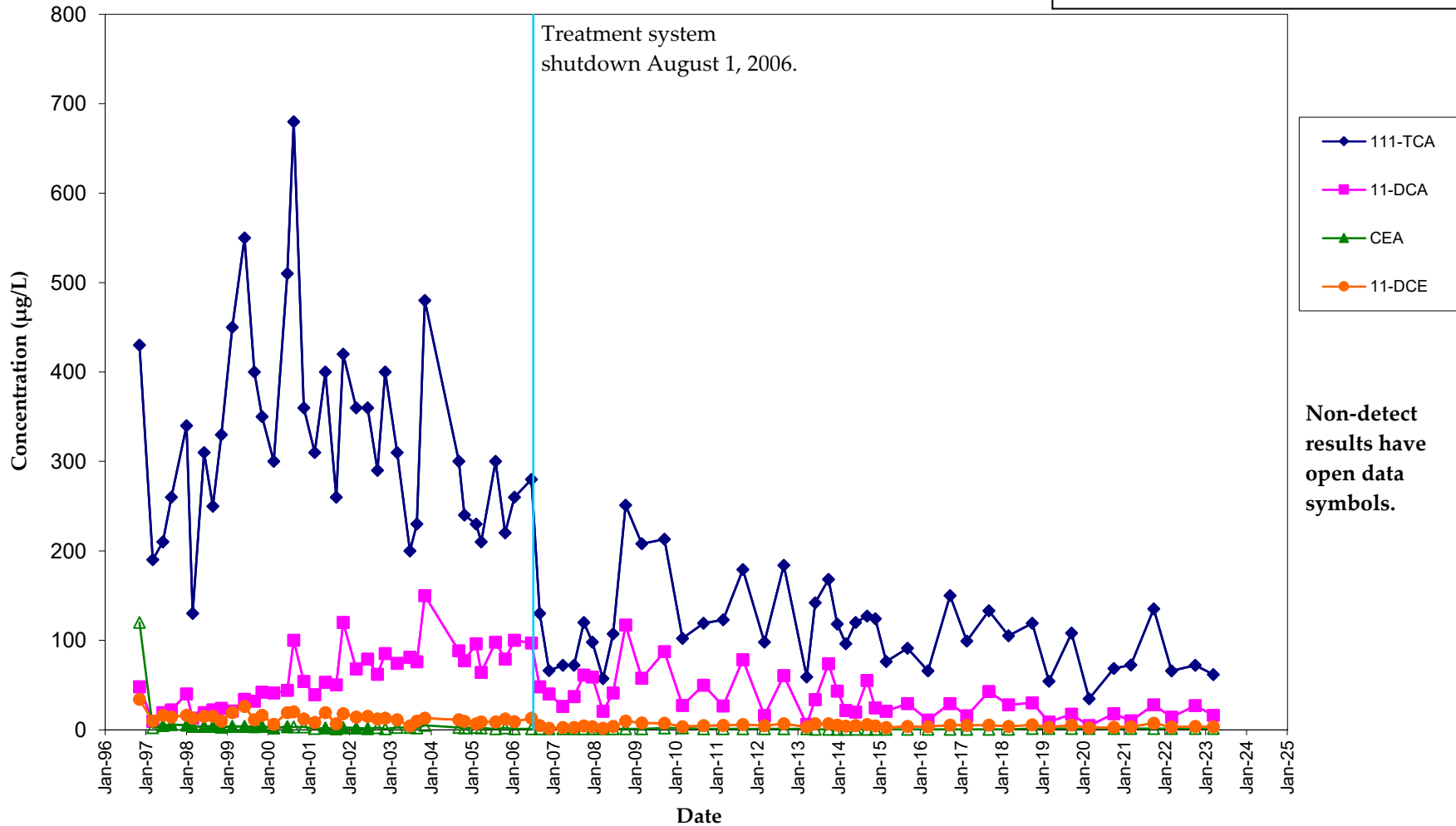
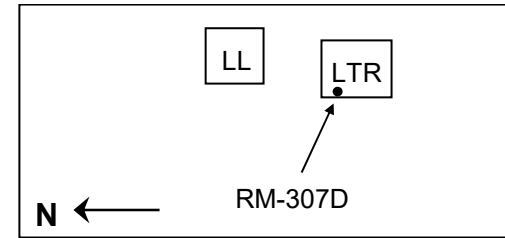
RM-305D VOC Concentration Trends Lemberger Landfill



RM-306D VOC Concentration Trends Lemberger Landfill

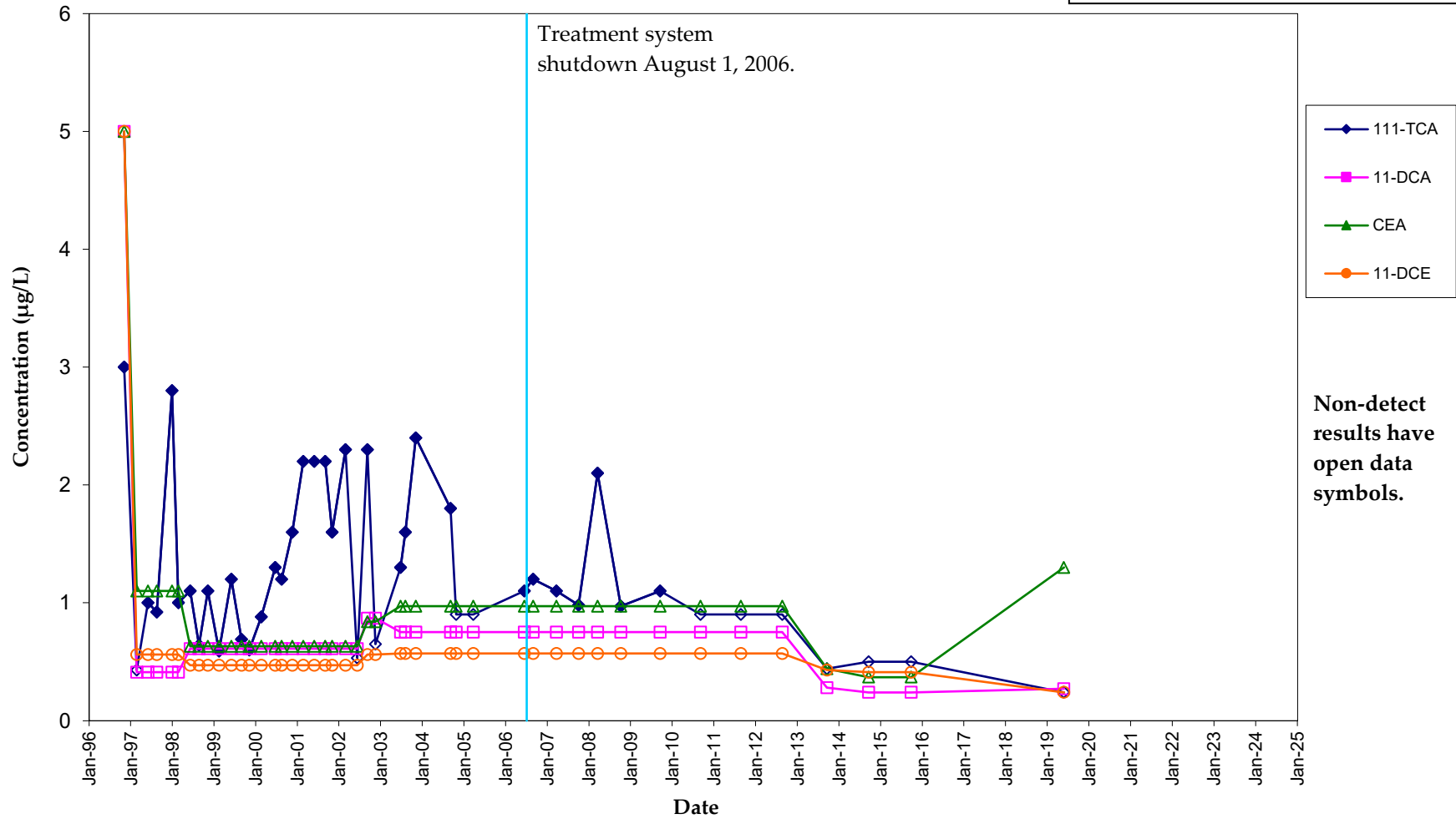
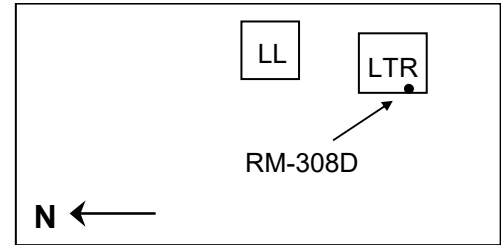


RM-307D VOC Concentration Trends Lemberger Landfill

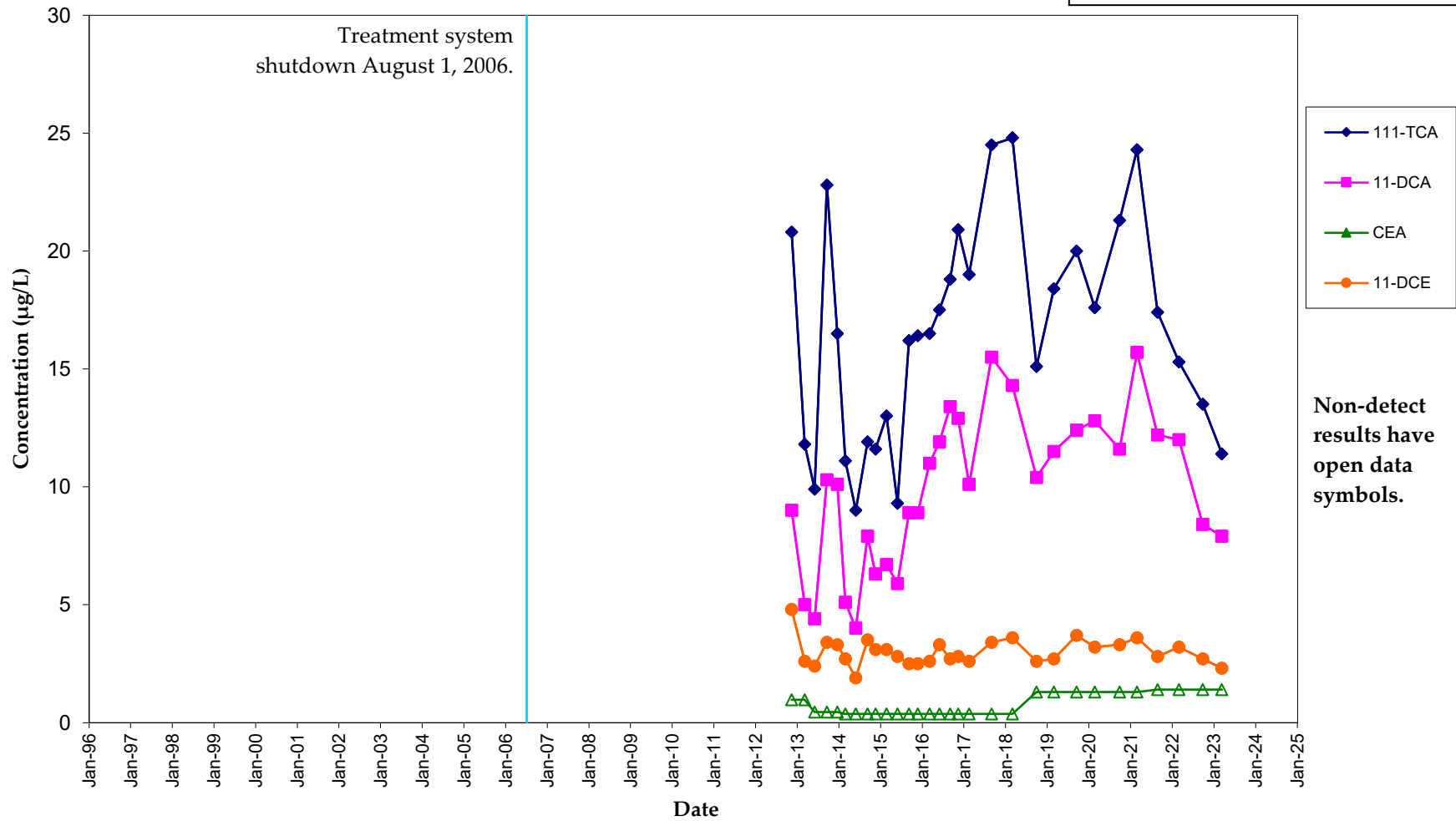
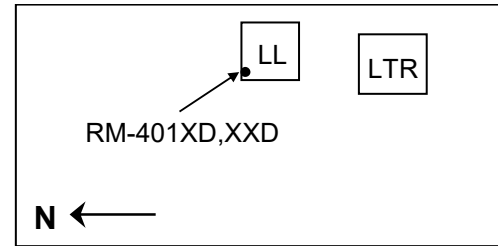


Non-detect results have open data symbols.

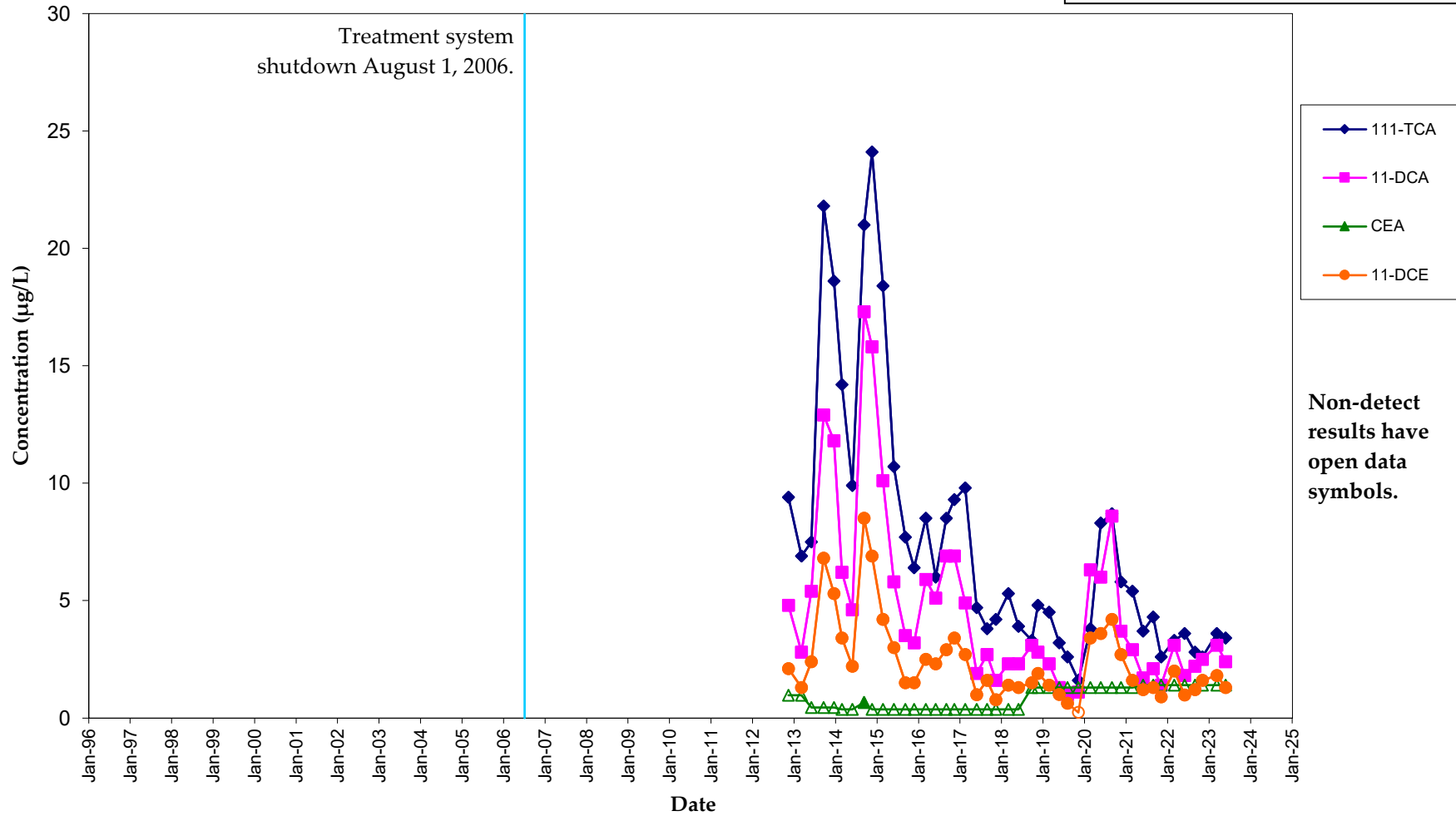
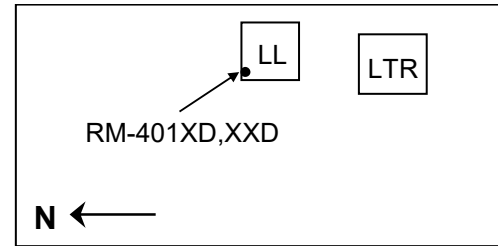
RM-308D VOC Concentration Trends Lemberger Landfill



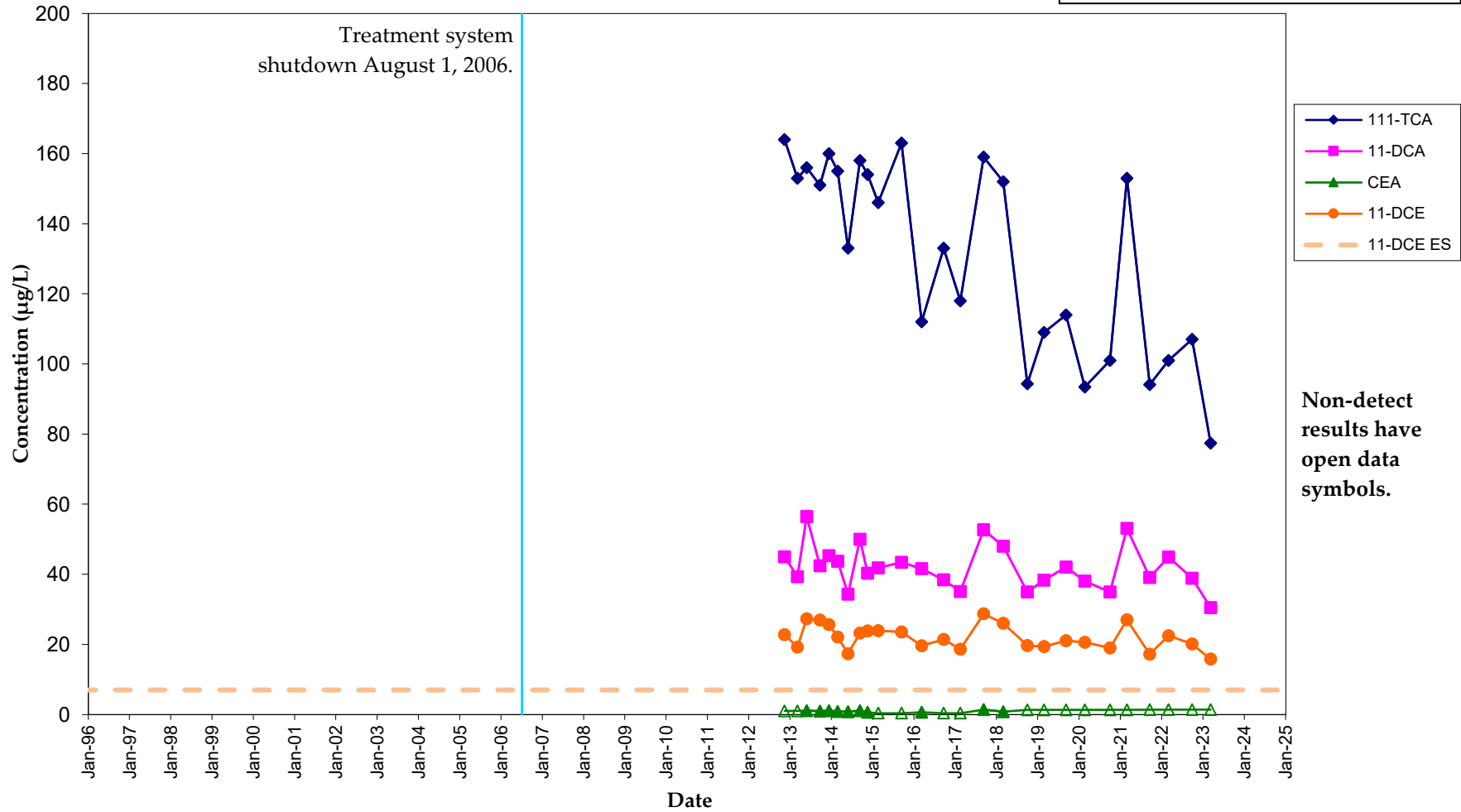
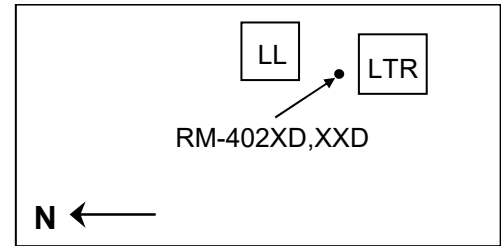
RM-401XD VOC Concentration Trends Lemberger Landfill



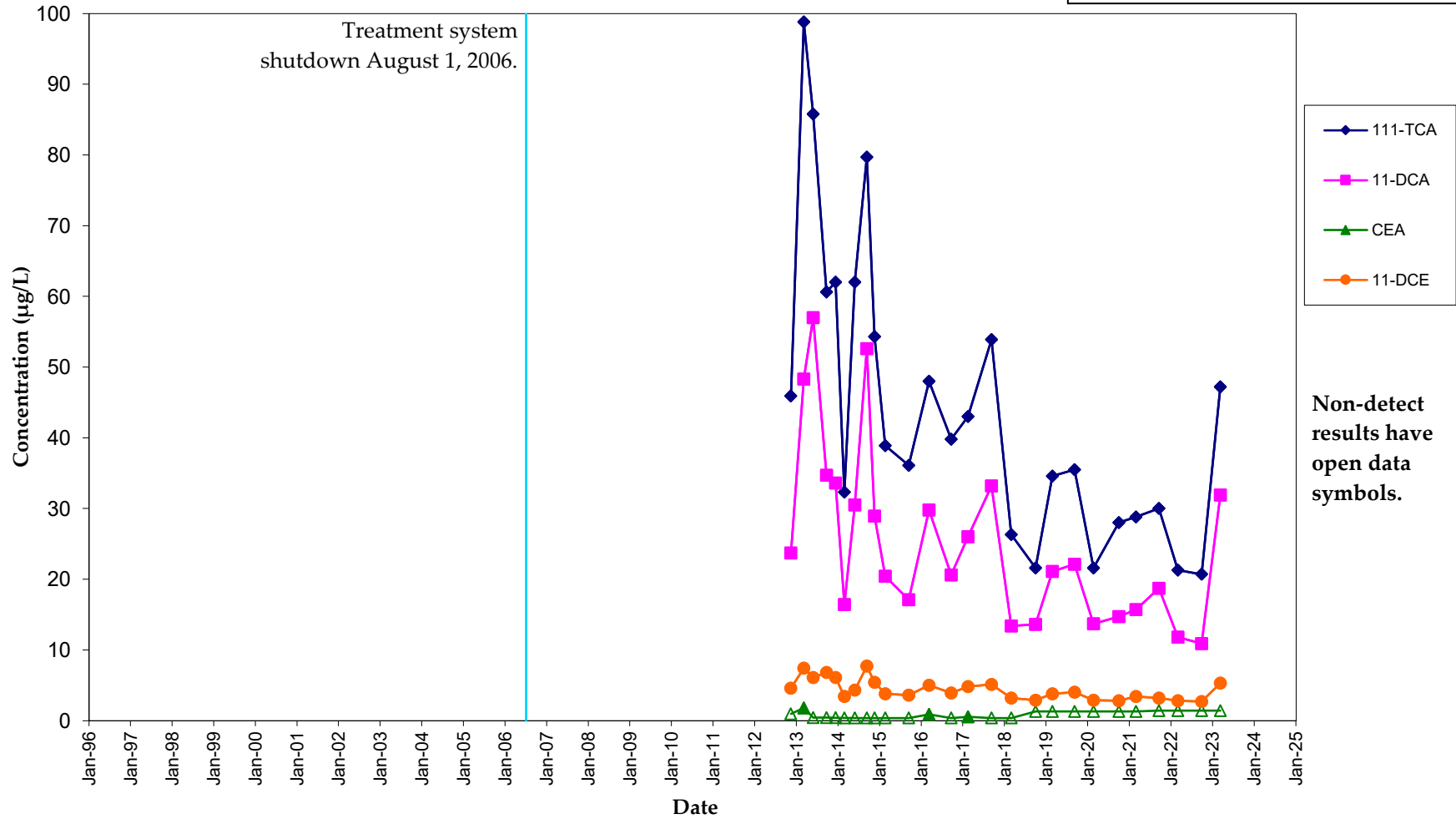
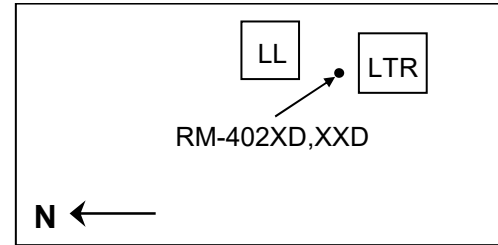
RM-401XXD VOC Concentration Trends Lemberger Landfill



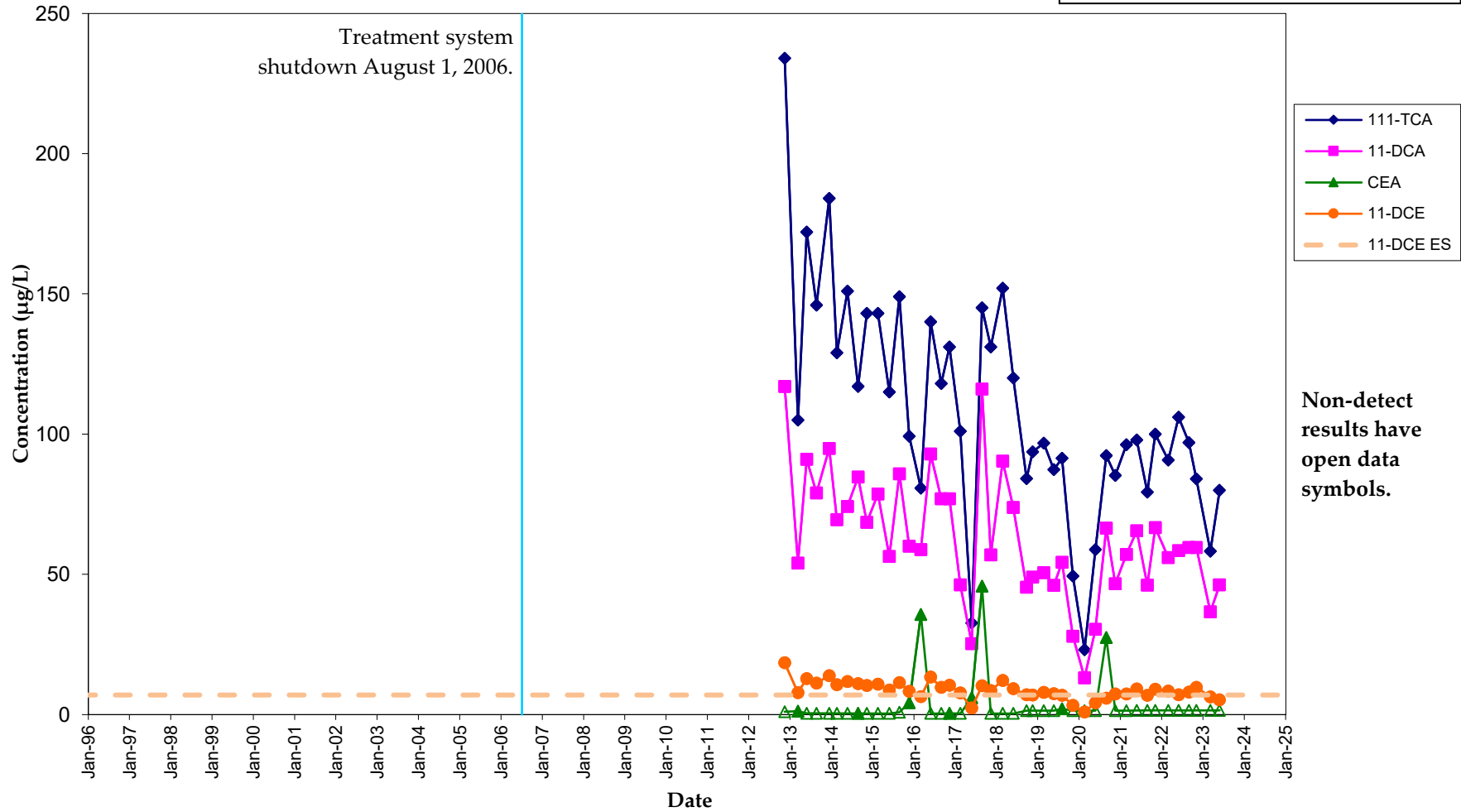
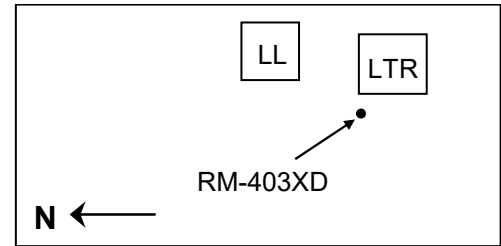
RM-402XD VOC Concentration Trends Lemberger Landfill



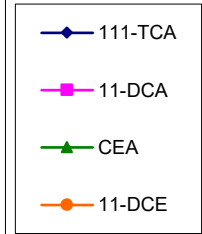
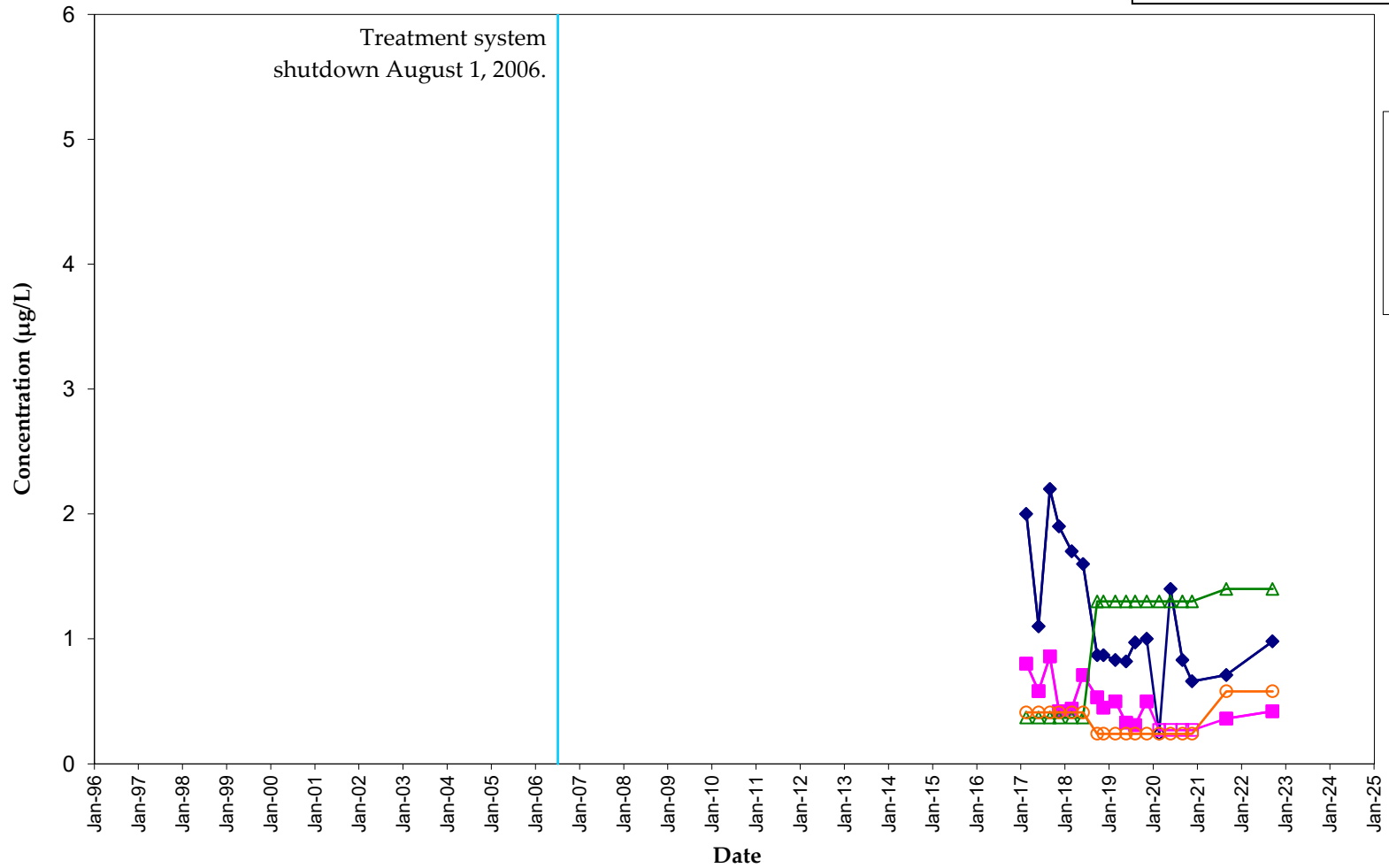
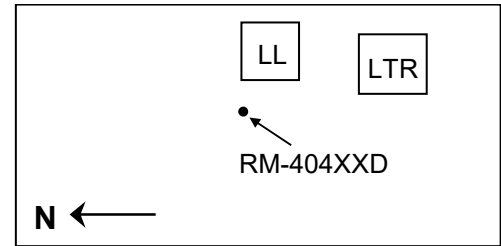
RM-402XXD VOC Concentration Trends Lemberger Landfill



RM-403XD VOC Concentration Trends Lemberger Landfill

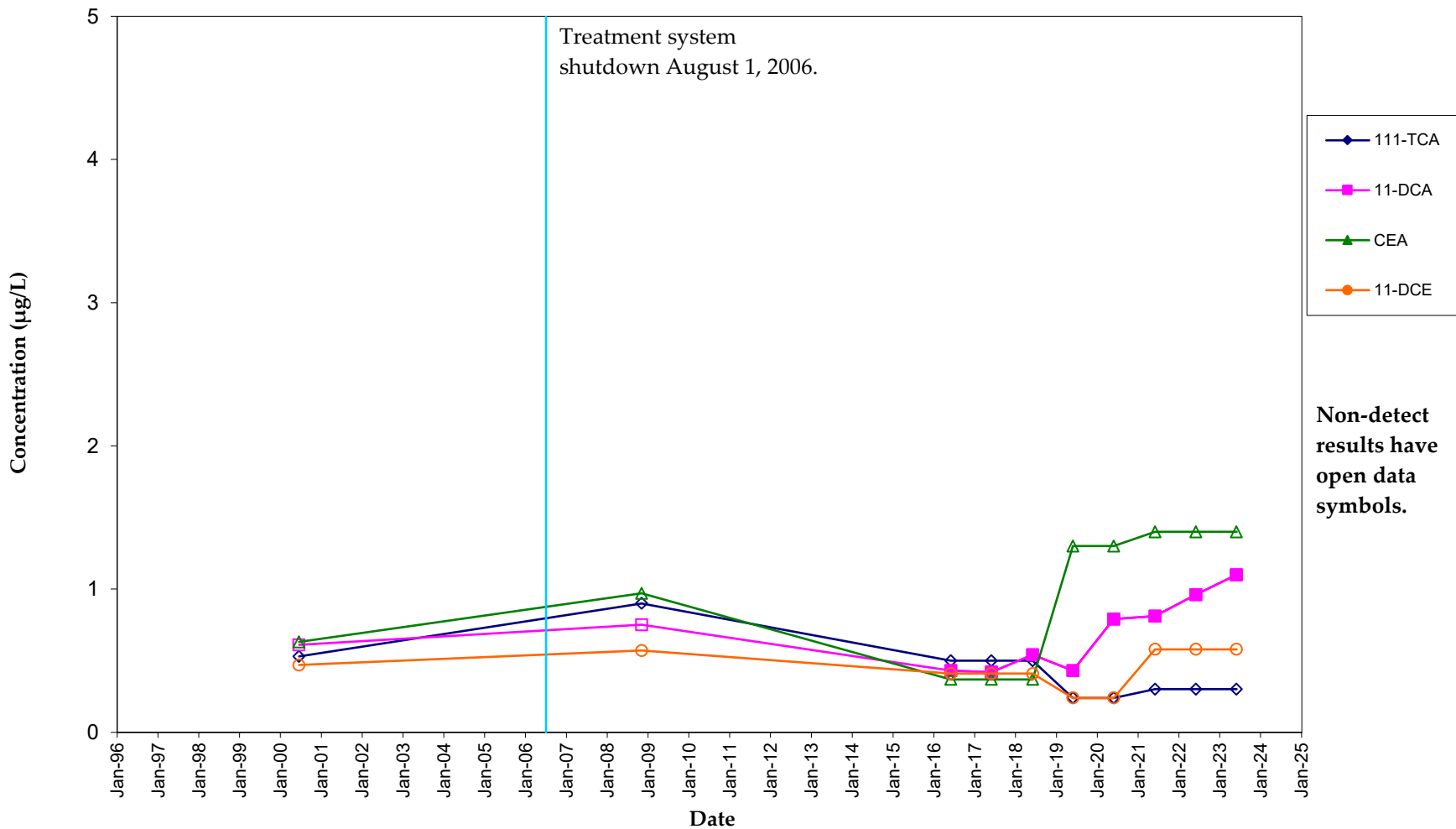


RM-404XXD VOC Concentration Trends Lemberger Landfill

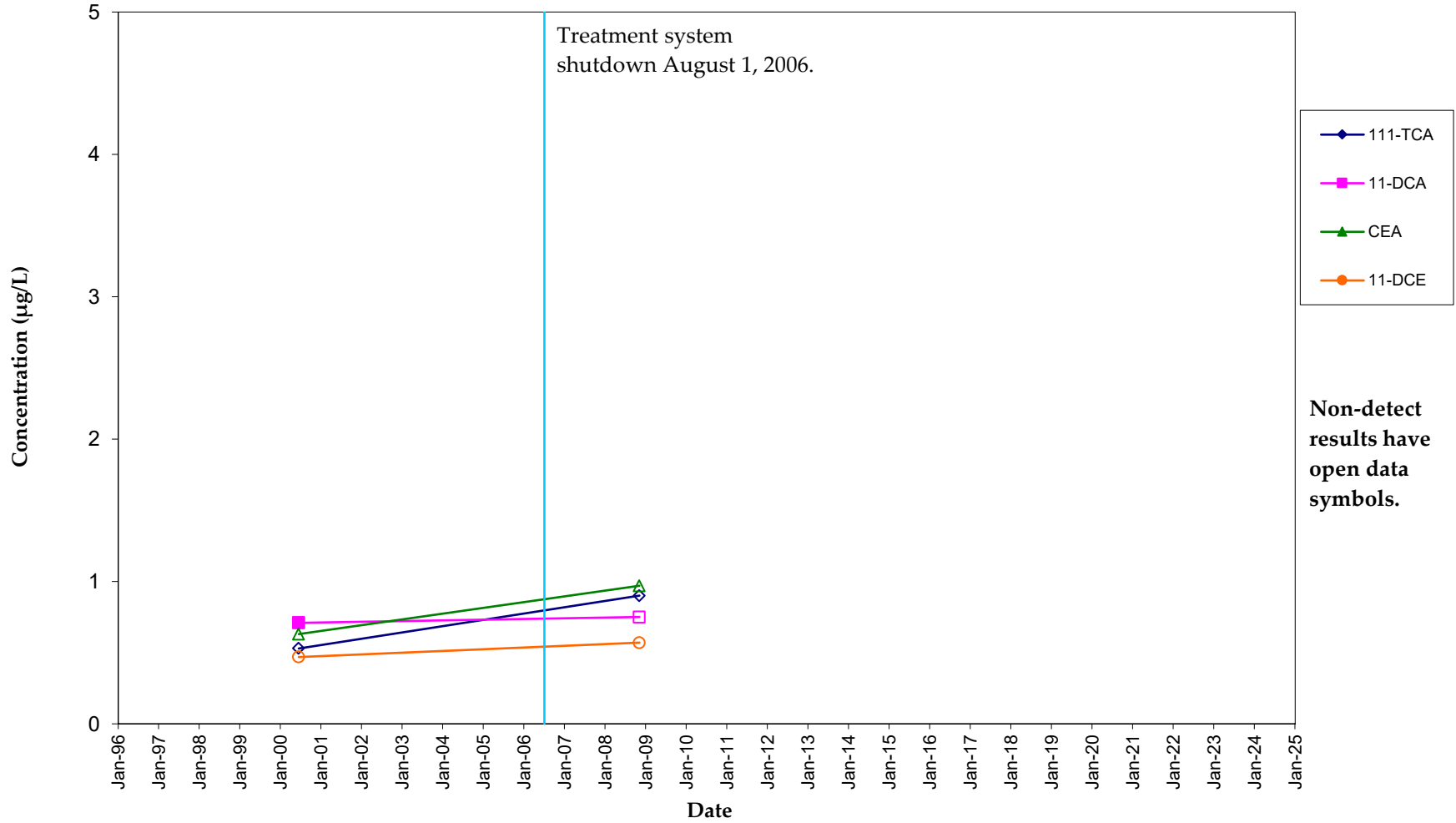


**Non-detect
results have
open data
symbols.**

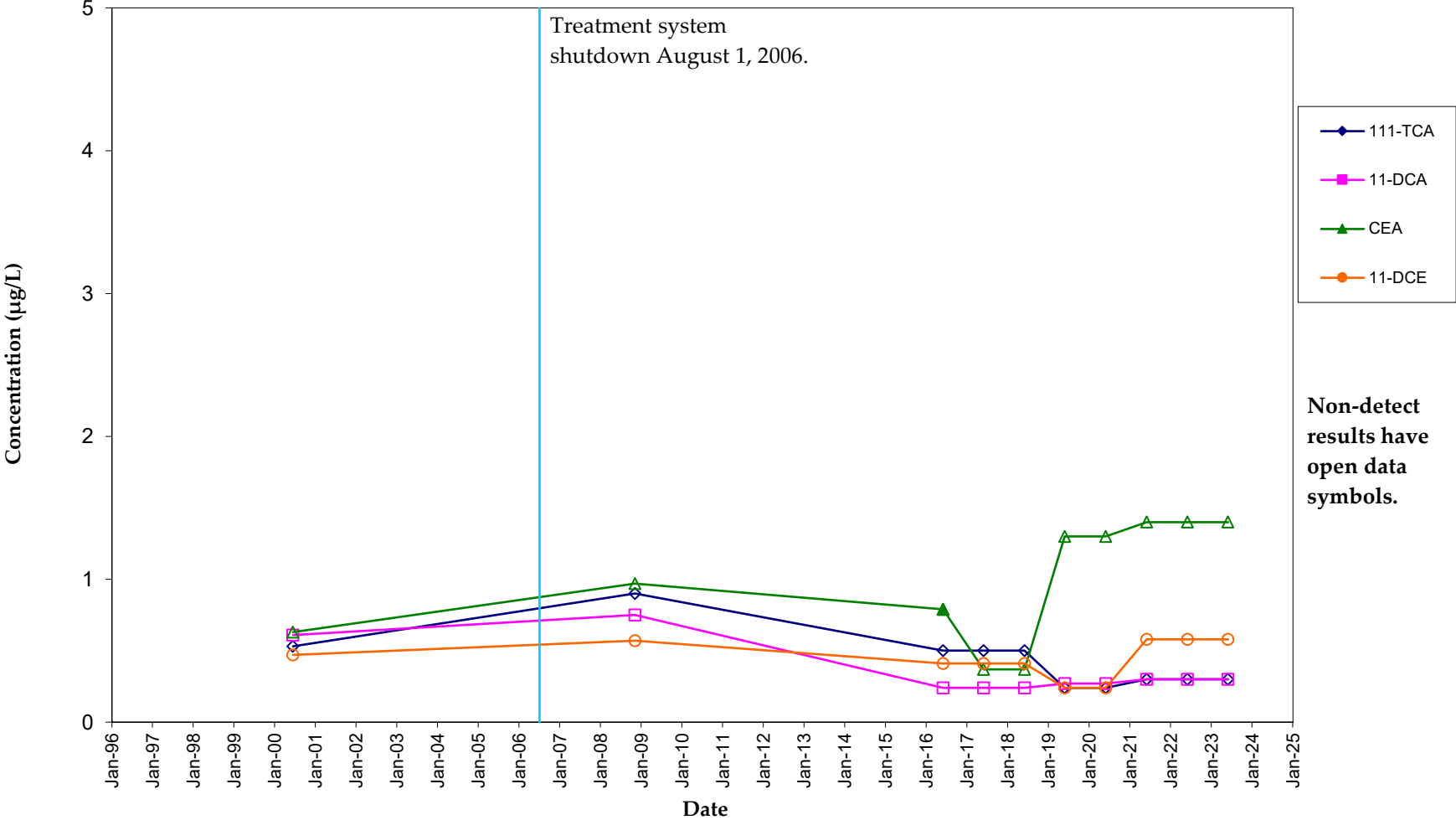
LH-01 VOC Concentration Trends Lemberger Landfill



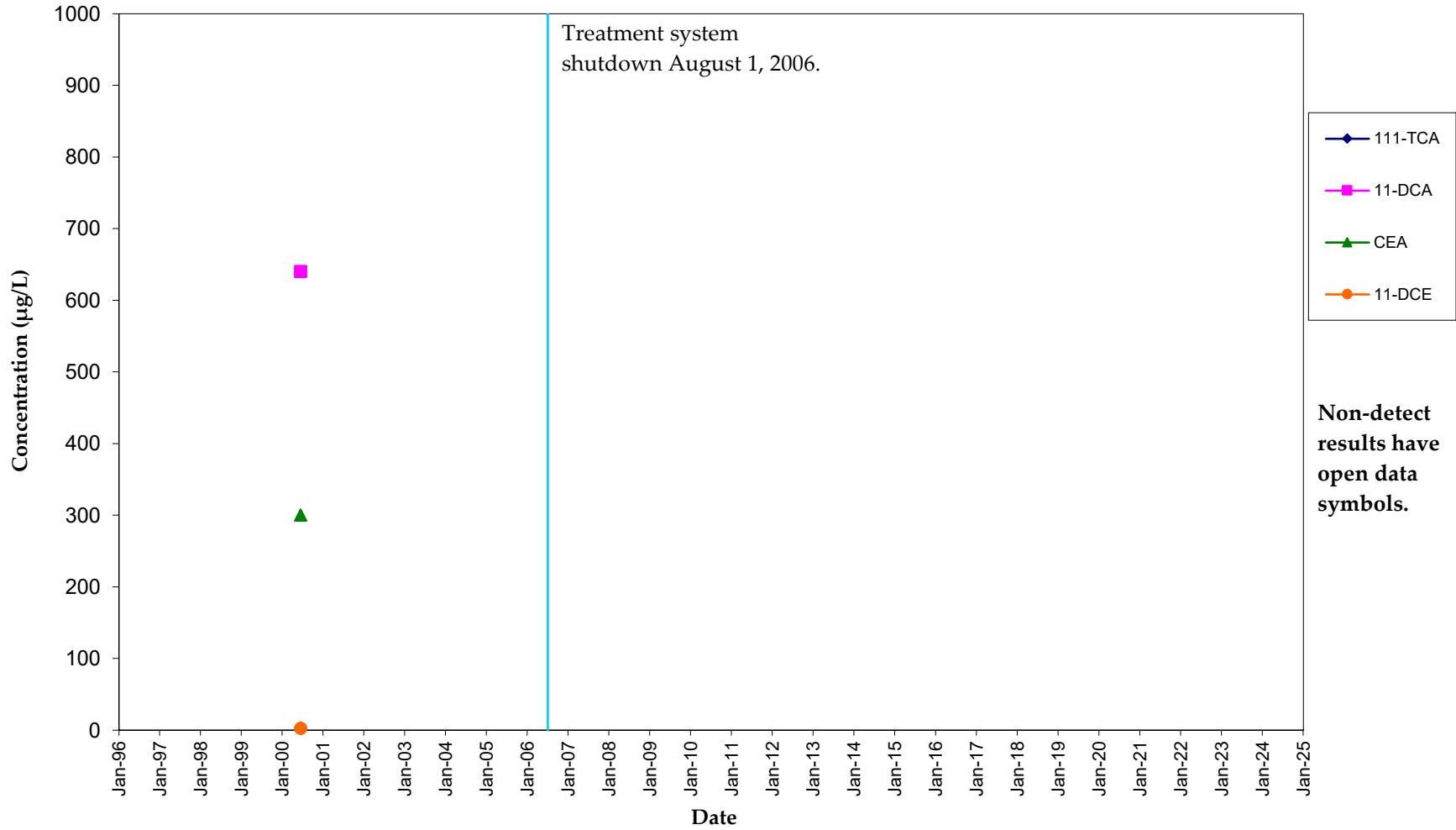
LH-02B VOC Concentration Trends Lemberger Landfill



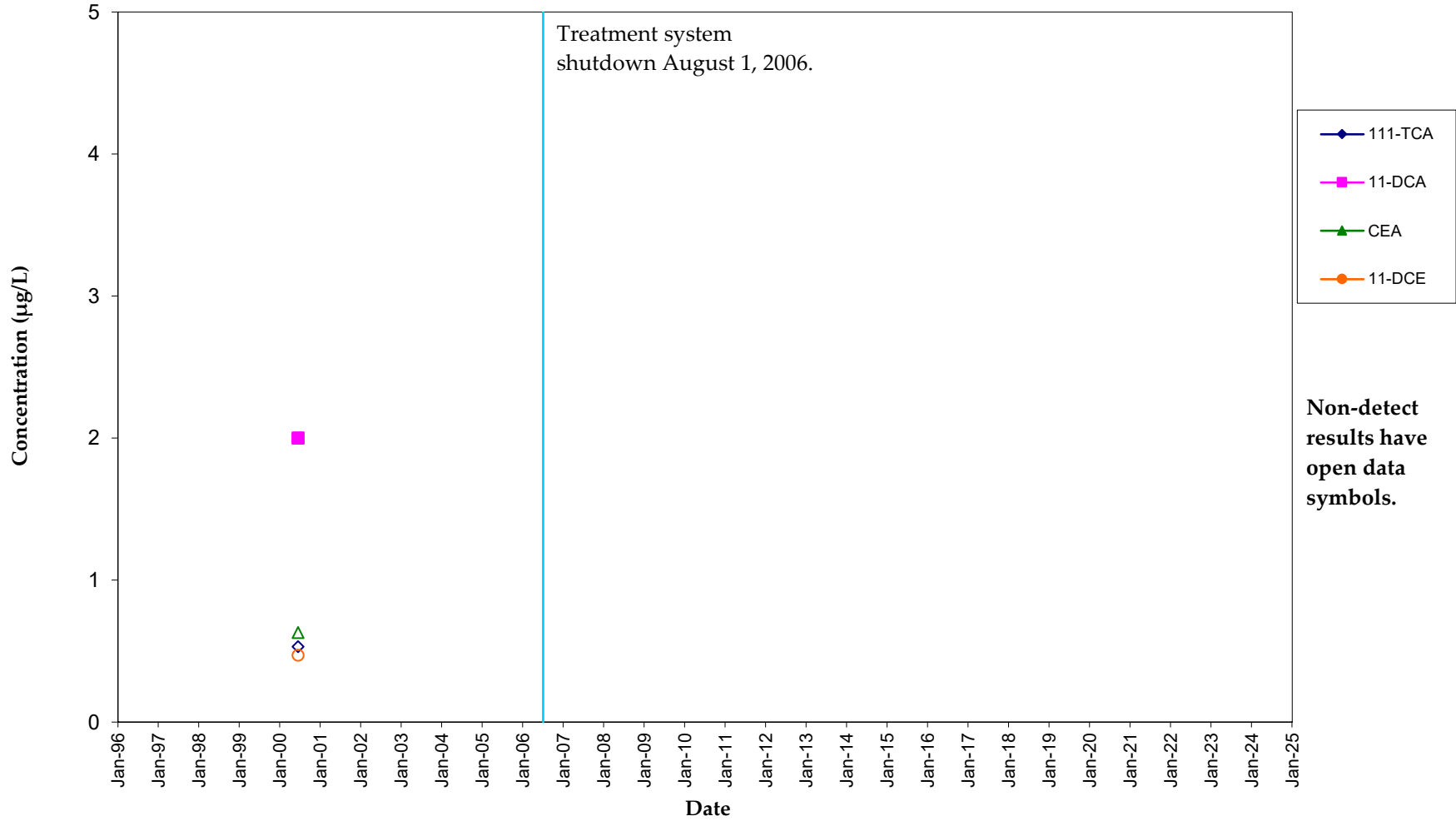
LH-03 VOC Concentration Trends Lemberger Landfill



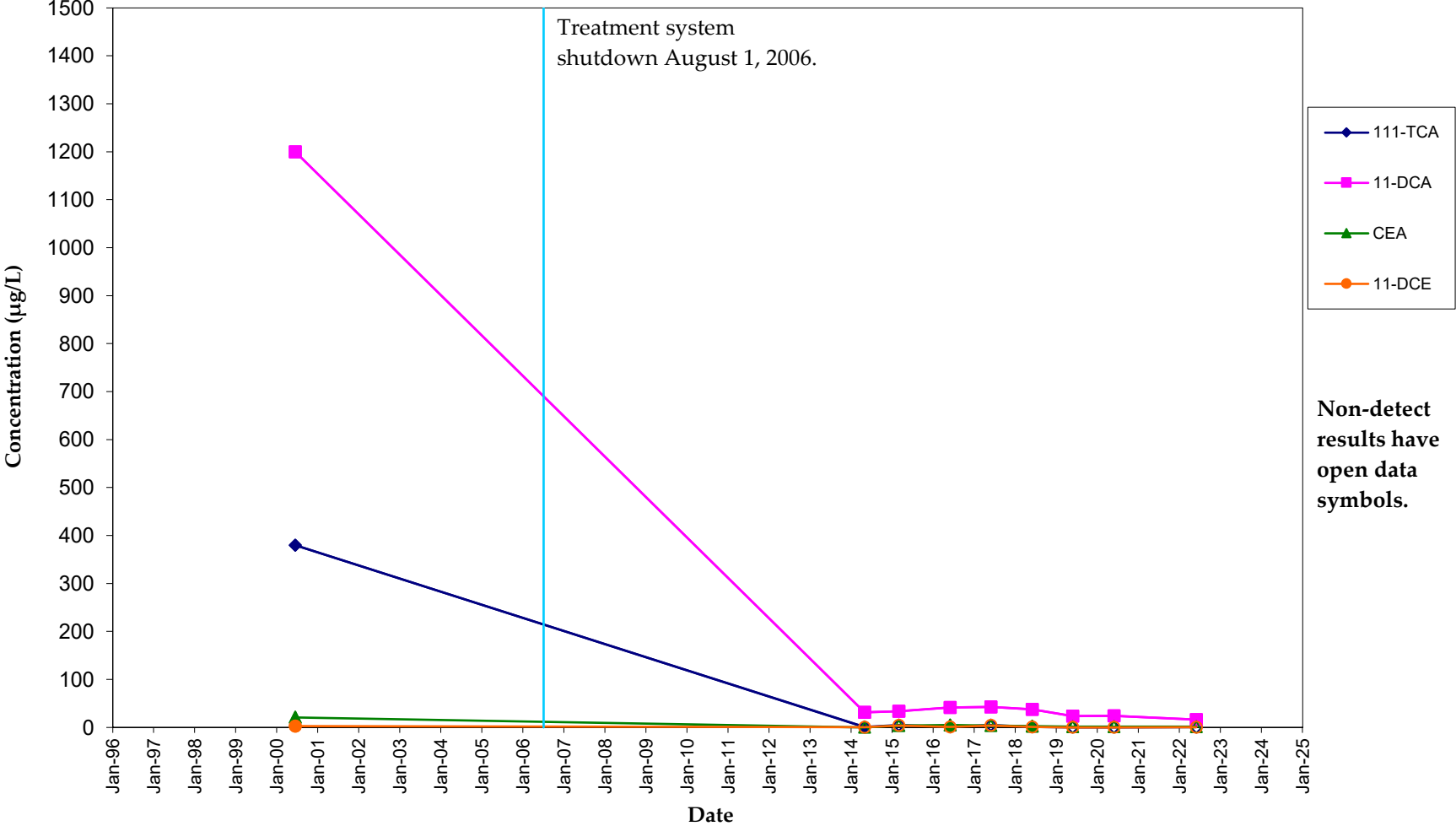
LH-04 VOC Concentration Trends Lemberger Landfill



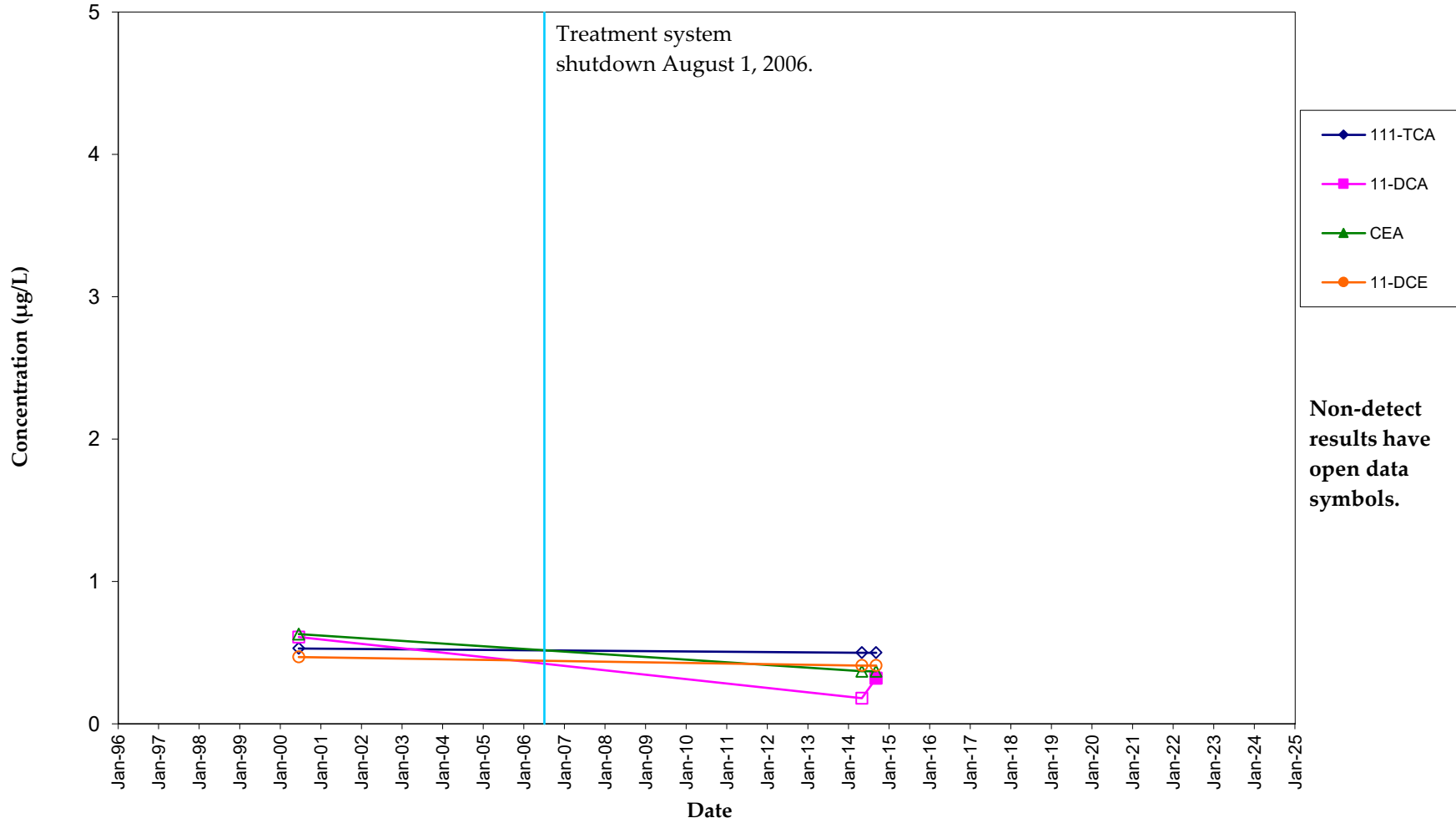
LH-05 VOC Concentration Trends Lemberger Landfill



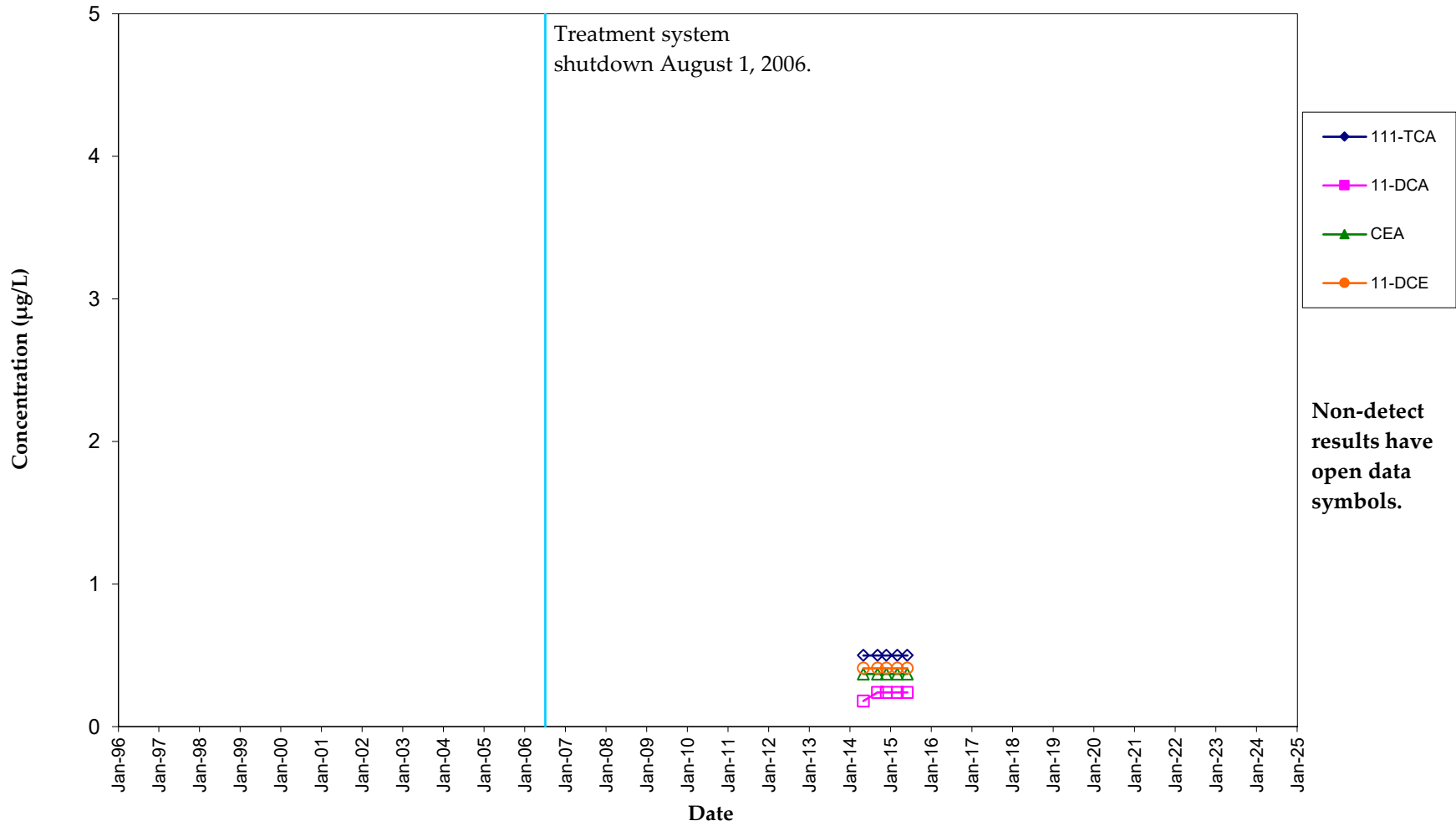
LH-06
VOC Concentration Trends
Lemberger Landfill



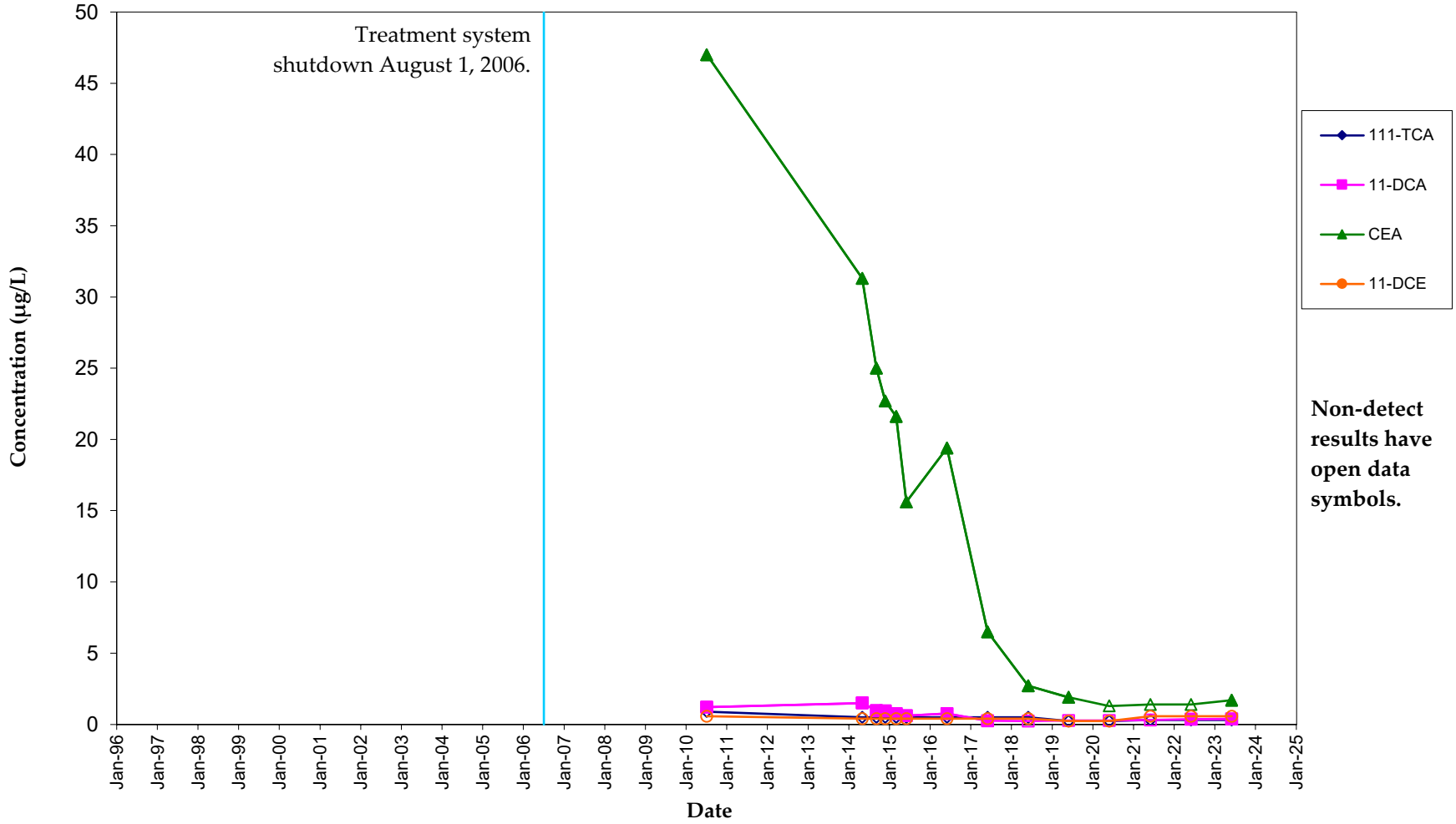
LH-07 VOC Concentration Trends Lemberger Landfill



LW-01
VOC Concentration Trends
Lemberger Landfill



LW-07 VOC Concentration Trends Lemberger Landfill



Appendix I: Landfill Gas Monitoring Results

SAMPLING DATA SHEET
LL/LTR SITES

Date: 11-11-2022

Sampler(s): Mark Brooks

Gas Vent #	Time	Velocity ft/min	Methane (% Gas)	Methane (% LEL)	Oxygen (% O2)	Carbon Dioxide (% CO2)	Barometric Pressure		Non-meth. VOCs (PID, ppm)
							(in Hg)	Trend	
GV-1	842	0	0	0	20.4	0	29.62	STEADY	0
GV-2	918	0	0	0	19.6	0	29.62	STEADY	0
GV-3	937	0	0	0	20.1	0	29.62	STEADY	0
GV-4	1059	0	0	0	20.3	0	29.62	STEADY	0
GV-5	943	0	0	0	20.1	0	29.62	STEADY	0
GV-6	904	0	0	0	20	0	29.62	STEADY	0
GV-7	849	0	0	0	19.9	0	29.62	STEADY	0
GV-8	948	0	0	0	20.1	0	29.62	STEADY	0
GV-9	912	0	0	0	19.9	0	29.62	STEADY	0
GV-10	925	0	0	0	20.3	0	29.62	STEADY	0
GV-11	1050	0	0	0	20.5	0	29.62	STEADY	0
GV-12	1107	0	0	0	20.2	0	29.62	STEADY	0
GV-13	1149	0	0	0	19.9	0	29.62	STEADY	0
GV-14	1254	0	0	0	20.5	0	29.62	STEADY	0
GV-15	840	0	0	0	20.6	0	29.62	STEADY	0
GV-16	1308	0	0	0	20.2	0	29.62	STEADY	0
GV-17	1115	0	0	0	19.7	0	29.62	STEADY	0
GV-18	1140	0	0	0	20.1	0	29.62	STEADY	0
GV-19	1155	0	0	0	20.3	0	29.62	STEADY	0
GV-20	1038	0	0	0	20	0	29.62	STEADY	0
GV-21	1258	0	0	0	20.1	0	29.62	STEADY	0
GV-22	1114	0	0	0	19.9	0	29.62	STEADY	0
GV-23	1134	0	0	0	19.9	0	29.62	STEADY	0
GV-24	1239	0	0	0	20.1	0	29.62	STEADY	0
GV-25	939	0	0	0	20.3	0	29.62	STEADY	0
GV-26	1213	0	0	0	20.2	0	29.62	STEADY	0
GV-27	1016	0	0	0	19	0	29.62	STEADY	0
GV-28	1304	0	0	0	20.5	0	29.62	STEADY	0
GV-29	1131	0	0	0	19.8	0	29.62	STEADY	0
GV-30	1222	0	0	0	20.6	0	29.62	STEADY	0

SAMPLING DATA SHEET
LL/LTR SITES

Date: 11-11-2022

Sampler(s): Mark Brooks

Gas Vent #	Time	Velocity ft/min	Methane (% Gas)	Methane (% LEL)	Oxygen (% O2)	Carbon Dioxide (% CO2)	Barometric Pressure		Non-meth. VOCs (PID, ppm)
							(in Hg)	Trend	
GV-31	1022	0	0	0	20.5	0	29.62	STEADY	0
GV-32	1203	0	0	0	20.3	0	29.62	STEADY	0
GV-33	1318	0	0	0	20.2	0	29.62	STEADY	0
GV-34	1233	0	0	0	20	0	29.62	STEADY	0
GV-35	1005	0	0	0	20.2	0	29.62	STEADY	0
GV-36	1247	0	0	0	20.5	0	29.62	STEADY	0
GP-1	1447	0	0	0	19.2	0	29.62	STEADY	0
GP-2	1333	0	0	0	20.4	0	29.62	STEADY	0
GP-3	1344	0	0	0	19.7	0	29.62	STEADY	0
GP-4	1359	0	0	0	19.9	0	29.62	STEADY	0
GP-5	1417	0	0	0	20.1	0	29.62	STEADY	0
GP-6	1433	0	0	0	20.3	0	29.62	STEADY	0
GW-2	NR	NR	NR	NR	NR	NR	NR	NR	NR
GW-3	NR	NR	NR	NR	NR	NR	NR	NR	NR
GW-6	NR	NR	NR	NR	NR	NR	NR	NR	NR
GW-7	NR	NR	NR	NR	NR	NR	NR	NR	NR
GW-8	NR	NR	NR	NR	NR	NR	NR	NR	NR
GW-9	NR	NR	NR	NR	NR	NR	NR	NR	NR

Instrument(s) used (brand, model): LANDTEC GEM 2000+ Landfill Gas

Calibration gases and their concentrations: Zero Air, Carbon Dioxide 15%, & Methane 15%

ADDITIONAL COMMENTS:

Gas vents (GVs) and gas probes (GPs) are located at the LTR. Gas wells (GWs) are located at the LL.

NR = No reading taken. (Gas monitoring at the LL has been completed, per the approved O&M Plan.)

Attachment 1: Computer Disk with Historical Monitoring Data