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December 2, 2021

Ms. Demaree Collier  
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Region 5 (HSRM-6)  
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Chicago, IL 60604

Subject: O&M Progress Report No. 31  
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 2020 through June 2021.

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: BJ LeRoy – WDNR  
Brian Potts – Perkins Coie, LLP  
Kristin Jones – Newell Rubbermaid  
Troy Adams – Manitowoc Public Utilities  
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James Wallner – Red Arrow Products  
James Cook – Manitowoc Cranes  
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# O&M Progress Report No. 31

July 2020 – June 2021  
Reporting Period

December 2021

**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'.

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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. 31 presents site activities during the reporting period of July 2020 through June 2021 and is intended to fulfill applicable portions of reporting requirements specified in the Environmental Monitoring Plan (EMP) (TRC, 2014 and 2021) 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.

## 2.0 Activity This Period

This section describes the primary technical and administrative activities conducted on the project during this reporting period (July 2020 through June 2021).

### 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 2020, December 2020, March 2021, and June 2021) in accordance with the EMP (TRC, 2014 and 2021).
- No leachate withdrawal wells were in operation during this reporting period.
- Annual landfill gas sampling was performed on November 20, 2020, in accordance with the EMP.
- Semi-annual landfill inspections were conducted on November 13, 2020 and May 12, 2021.

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 on north side and west side of the LL Site in November 2020 and in May 2021.
- Trimmed grass; cut brush and vines around the wells and fences throughout the year.

### 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 2020 through June 2021), environmental monitoring was conducted in accordance with a 2016 revision to the EMP Revision 4 (TRC, 2014) through December 2020; and in accordance with the EMP Revision 5 (TRC, 2021) beginning in March 2021. The primary modification to the monitoring program was the reduction in frequency of the residential well sampling from semi-annual (March and September) to annual (in September).

## 2.3 Sampling Events

Groundwater monitoring was conducted quarterly in September/October 2020, December 2020, March 2021, and in June 2021 in accordance with the approved analytical programs referenced in Section 2.2. Landfill gas monitoring at the LTR was performed on November 20, 2020. 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

November 13, 2020	TRC Transmittal of Data – Second Quarter 2020 Plume Monitoring and Background Wells.
December 17, 2020	O&M Progress Report No. 30 submitted to USEPA and WDNR.
January 14, 2021	USEPA completes ROD Amendment for the Sites
February 16, 2021	TRC Transmittal of Data – Third Quarter 2020 Residential, Plume Monitoring, and Sentinel Wells.
February 17, 2021	Environmental Monitoring Plan Revision 5 submitted to USEPA and WDNR.
March 16, 2021	TRC Transmittal of Data – Fourth Quarter 2020 Plume Monitoring and Background Wells.
March 25, 2021	Environmental Monitoring Plan Revision 5 – Conditional Approval from USEPA.

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 2020 and May 2021.

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 2020; and at monitoring wells RM-004D, RM-010D, RM-301S, RM-302S, and RM-305D in June 2021, 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 2020 through June 2021). 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 seasonal fluctuations at the southeastern corner (Appendix D).

#### 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 25 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 2021 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 2020 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, 2021). 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 2020, the chlorinated volatile organic compound (CVOC) 1,1,1-trichloroethane (1,1,1-TCA) was detected at an estimated concentration of 0.33 µg/L at well GR-30, and the CVOC 1,1-dichloroethane (1,1-DCA) was detected at an estimated concentration of 0.27 µg/L at well GR-13. These results are consistent with historical observations at these two wells. Low concentrations of CVOCs (just above the detection limit) have been detected sporadically at well GR-30. 1,1,1-TCA and 1,1-DCA have both been detected at well GR-13, with concentrations decreasing over time. 1,1,1-TCA has not been detected at GR-13 since 2002 and 1,1-DCA concentrations have dropped to below or near the detection limit, with only 5 detections in 9 sampling events over the last 5 years. The estimated concentrations of these compounds were below the WDNR NR 140.10 Preventive Action Limits (PALs) for these compounds (40 µg/L for 1,1,1-TCA, and 85 µg/L for 1,1-DCA). 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-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) 2020 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 2020 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 and 5). 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 CVOCs occurred at ten 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. Six 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 nine monitoring wells. The extent of TCE concentrations that exceed the ES is illustrated by the 5 µg/L isocontour in Figure 4. Five of the nine 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 two monitoring wells (RM-007D and RM-007XD), 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 four monitoring wells (RM-007D, RM-007XD, 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 one monitoring well (RM-007XD); RM-007XD is 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; RM-404XXD was monitored quarterly through December 2020 before moving out of the Sentinel well program to the annual monitoring program (TRC, 2021). CVOC concentrations remain below the ES at all sentinel wells except at RM-003D where the concentration of TCE exceeded the ES in three of the four sampling events; and at RM-403XD where the concentrations of 1,1-DCE exceeded the ES in three of the four sampling events and TCE exceeded the ES in all four sampling events (Table 3). Concentrations of CVOCs at RM-003D and RM-403XD fluctuate but have generally decreased over the period of record (since 1996 at RM-003D and 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, the well with longest history of an increasing concentration trend, 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, RM-008D) 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 2020 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 2.2 mg/L on average at RM-007D/RM-007XD and 0.9 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-402XD; TRC, 2019), although depleted DO within the plume was not observed during this reporting period. The organic carbon concentrations range from 0.7 mg/L to 1.2 mg/L at the north (distal) end of the plume while values near the source area range from 1.5 mg/L to 2.1 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 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.

### **3.2.3 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 the four LL monitoring wells in June 2021 and analyzed for field parameters and VOCs in accordance with the EMP. Benzene was detected at an estimated concentration of 0.36 µg/L at well RM-207S, and at an estimated concentration of 0.65 µg/L at well RM-208S. TCE was detected at an estimated concentration of 0.35 µg/L at well RM-005D. 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, and no leachate was removed from the leachate tanks during this reporting period. In January 2021 the USEPA issued a ROD Amendment for the Sites to Monitored Natural Attenuation, therefore, no further leachate extraction will be performed at the LL. The total volume of leachate removed since system startup is 8,329,558 gallons.

### **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 2021. LH-06 was not sampled during this reporting period because the well was dry. 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 – well dry, no sample collected.
- LW-07 – detections of benzene and xylene. No ES exceedances.

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**

During the current reporting period, none of the eight leachate withdrawal wells were in operation.

## **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. In the next reporting period, the LSRG will be decommissioning the groundwater treatment system.

### **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 10.

#### ***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 20, 2020. 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.

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## 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.
- TRC. 2014. Environmental Monitoring Plan, Lemberger Landfill and Lemberger Transport and Recycling Site, Town of Franklin, Wisconsin. Revision 4. February 2014.
- TRC, 2021. Environmental Monitoring Plan, Lemberger Landfill and Lemberger Transport and Recycling Site, Town of Franklin, Wisconsin. Revision 5. February 2021.
- 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.
- 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. 2017. Email correspondence between Demaree Collier and Kristopher Krause dated November 1, 2017 11:07 AM.





**Table 1: Summary of Sampling Events Performed from July 2020 through June 2021  
Lemberger Landfill and Lemberger Transport and Recycling Site  
Town of Franklin, Wisconsin**

Monitoring Point Groupings/Designations	2020						2021					
	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 <sup>(1)</sup> )			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 <sup>(1)</sup> )				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 <sup>(1)</sup> (GR-08 through GR-13, GR-26, GR-62, GR-63, GR-64, GR-66, GR-74)			X	X								
LTR Residential wells (II) – EMP Revision 5 (GR-14, GR-16, GR-30, GR-60R, GR-65, GR-73)			X	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) <sup>(2)</sup>												
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) <sup>(3)</sup>				X								X
Treatment system effluent <sup>(4)</sup>												
Landfill gas – LTR Landfill					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 2020 through June 2021  
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	27-Sep-20	LGU/Rock	804.02	756.9	-3.5	60.6	-0.058	Up
RM-003XXD	27-Sep-20	Rock	807.53	696.3				
RM-208D	26-Oct-20	Rock	809.79	775.1	2.8	120.3	0.023	Down
RM-208XD	26-Oct-20	Rock	807.00	654.8				
RM-213D	28-Oct-20	Rock	806.71	783.7	-0.6	43.2	-0.014	Up
RM-213XD	28-Oct-20	Rock	807.31	740.5				
RM-007D	30-Oct-20	Rock	807.14	807.14	-0.1	63.3	-0.001	Up
RM-007XD	30-Oct-20	Rock	807.23	743.8				
RM-007XD	30-Oct-20	Rock	807.23	743.8	0.6	92.9	0.006	Down
RM-007XXD	30-Oct-20	Rock	806.64	650.9				
RM-402XD	31-Oct-20	Rock	807.43	741.3	0.3	45.3	0.006	Down
RM-402XXD	31-Oct-20	Rock	807.17	696.0				
RM-003D	16-Dec-20	LGU/Rock	802.88	756.9	-4.0	60.6	-0.067	Up
RM-003XXD	16-Dec-20	Rock	806.93	696.3				
RM-003D	26-Mar-21	LGU/Rock	802.29	756.9	-4.0	60.6	-0.066	Up
RM-003XXD	26-Mar-21	Rock	806.27	696.3				
RM-401XD	26-Mar-21	Rock	802.06	740.8	-4.2	44.8	-0.094	Up
RM-401XXD	26-Mar-21	Rock	806.28	696.0				
RM-402XD	29-Mar-21	Rock	806.74	741.3	0.2	45.3	0.005	Down
RM-402XXD	29-Mar-21	Rock	806.52	696.0				
RM-003D	24-Jun-21	LGU/Rock	801.91	756.9	-3.9	60.6	-0.064	Up
RM-003XXD	24-Jun-21	Rock	805.81	696.3				

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 10/29/2021

Checked by: A. Sobbe 11/1/2021

**Table 3: Summary of Groundwater Enforcement Standard (ES) Exceedances at  
Plume Monitoring Wells – Volatile Organic Compounds  
Lemberger Landfill Sites  
Reporting Period July 2020 through June 2021**

Well ID	Sample Date	Parameter	Result	Data Qualifiers	Units	Standard <sup>(1)</sup>	Well Location
						ES <sup>(2)</sup>	
RM-003D	27-Sep-20	TRICHLOROETHENE	6.1		UG/L	5	1,000' west of LL site
RM-003D	26-Mar-21	TRICHLOROETHENE	6.4		UG/L	5	1,000' west of LL site
RM-003D	16-Dec-20	TRICHLOROETHENE	5.3		UG/L	5	1,000' west of LL site
RM-003D DUP	16-Dec-20	TRICHLOROETHENE	5.5		UG/L	5	1,000' west of LL site
RM-005D DUP	30-Mar-21	TRICHLOROETHENE	5.5	j	UG/L	5	1,000' west of LL site
RM-007D	30-Oct-20	1,1,1-TRICHLOROETHANE	215		UG/L	200	North side of LTR site
RM-007D	30-Oct-20	1,1-DICHLOROETHENE	14.2		UG/L	7	North side of LTR site
RM-007D	30-Oct-20	TRICHLOROETHENE	43.6		UG/L	5	North side of LTR site
RM-007XD	30-Oct-20	1,1,1-TRICHLOROETHANE	207		UG/L	200	North side of LTR site
RM-007XD	30-Mar-21	1,1,1-TRICHLOROETHANE	209		UG/L	200	North side of LTR site
RM-007XD	30-Mar-21	1,1-DICHLOROETHENE	34.3		UG/L	7	North side of LTR site
RM-007XD	30-Oct-20	1,1-DICHLOROETHENE	23.8		UG/L	7	North side of LTR site
RM-007XD	30-Mar-21	CIS-1,2-DICHLOROETHENE	86.1		UG/L	70	North side of LTR site
RM-007XD	30-Mar-21	TRICHLOROETHENE	58.1		UG/L	5	North side of LTR site
RM-007XD	30-Oct-20	TRICHLOROETHENE	43.3		UG/L	5	North side of LTR site
RM-007XD DUP	30-Oct-20	1,1,1-TRICHLOROETHANE	208		UG/L	200	North side of LTR site
RM-007XD DUP	30-Oct-20	1,1-DICHLOROETHENE	23.5		UG/L	7	North side of LTR site
RM-007XD DUP	30-Oct-20	TRICHLOROETHENE	44.4		UG/L	5	North side of LTR site
RM-214D	28-Oct-20	VINYL CHLORIDE	0.49	J	UG/L	0.2	South side of LL site
RM-303D	29-Oct-20	TRICHLOROETHENE	55		UG/L	5	North side of LTR site
RM-307D	30-Mar-21	TRICHLOROETHENE	6.2		UG/L	5	West side of LTR site
RM-307D	29-Oct-20	TRICHLOROETHENE	9		UG/L	5	West side of LTR site
RM-402XD	29-Mar-21	1,1-DICHLOROETHENE	27		UG/L	7	400' Northwest of LTR site
RM-402XD	31-Oct-20	1,1-DICHLOROETHENE	19		UG/L	7	400' Northwest of LTR site
RM-402XD	31-Oct-20	TRICHLOROETHENE	12.8		UG/L	5	400' Northwest of LTR site
RM-402XD	29-Mar-21	TRICHLOROETHENE	17.4		UG/L	5	400' Northwest of LTR site
RM-402XXD	29-Mar-21	TRICHLOROETHENE	6.3		UG/L	5	400' Northwest of LTR site
RM-402XXD	31-Oct-20	TRICHLOROETHENE	6		UG/L	5	400' Northwest of LTR site
RM-403XD	24-Jun-21	1,1-DICHLOROETHENE	9.1		UG/L	7	400' West of LTR site
RM-403XD	17-Dec-20	1,1-DICHLOROETHENE	7.3		UG/L	7	400' West of LTR site
RM-403XD	25-Mar-21	1,1-DICHLOROETHENE	7.3		UG/L	7	400' West of LTR site
RM-403XD	27-Sep-20	TRICHLOROETHENE	15.8		UG/L	5	400' West of LTR site
RM-403XD	24-Jun-21	TRICHLOROETHENE	15.7		UG/L	5	400' West of LTR site
RM-403XD	17-Dec-20	TRICHLOROETHENE	15.9		UG/L	5	400' West of LTR site
RM-403XD	25-Mar-21	TRICHLOROETHENE	14.8		UG/L	5	400' West of LTR site
RM-403XD DUP	24-Jun-21	1,1-DICHLOROETHENE	7.4		UG/L	7	400' West of LTR site
RM-403XD DUP	24-Jun-21	TRICHLOROETHENE	14.7		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



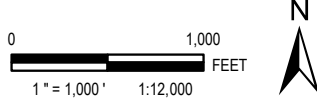
**LEGEND**

- SAMPLE AND MONITORING LOCATIONS**
- ⊕ 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

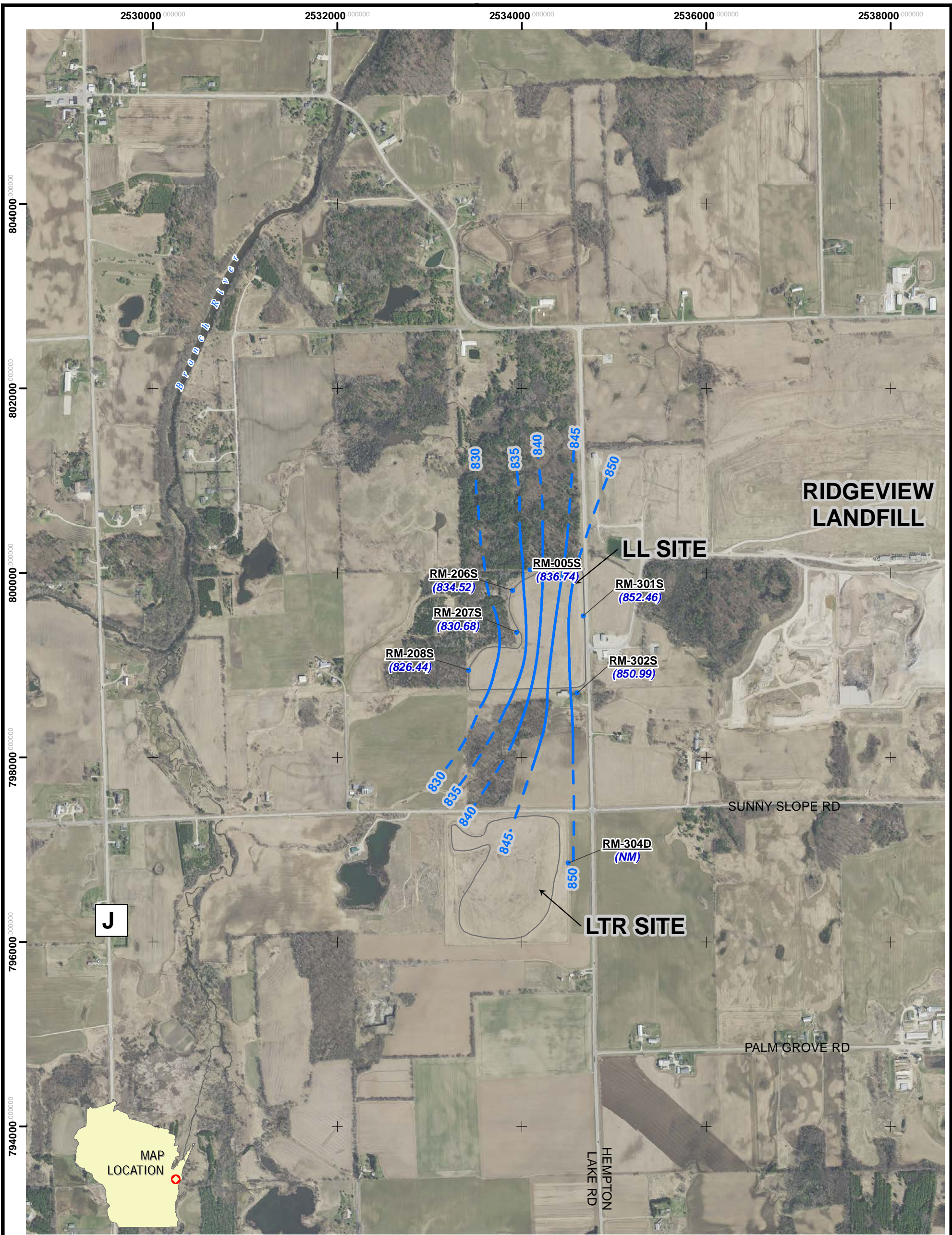
**NOTES**

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

PROJECT: <b>LEMBERGER SITES</b>		
TOWN OF FRANKLIN, WISCONSIN		
O&M PROGRESS REPORT NO. 31		
SHEET TITLE: <b>SITE FEATURES MAP</b>		
DRAWN BY: A. HORRIE	SCALE: AS NOTED	PROJ. NO. 419607
CHECKED BY: T. O'CONNELL	DATE PRINTED:	FILE NO. 419607-001_SiteFeatures.mxd
APPROVED BY: M. WESTOVER	DATE: DECEMBER 2021	<b>FIGURE 1</b>



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**LEGEND**

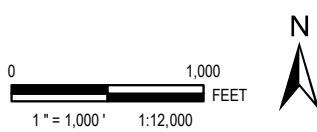
- SAMPLE AND MONITORING LOCATIONS**
- MONITORING WELL (RM)
  - LANDFILL AREA
  - GROUNDWATER FLOW DIRECTION

- LABEL FORMAT:**
- SAMPLE ID  
GROUNDWATER ELEVATION (FT MSL)
- 850 GROUNDWATER ELEVATION CONTOUR (FT MSL, 5' INTERVAL, DASHED WHERE INFERRED)

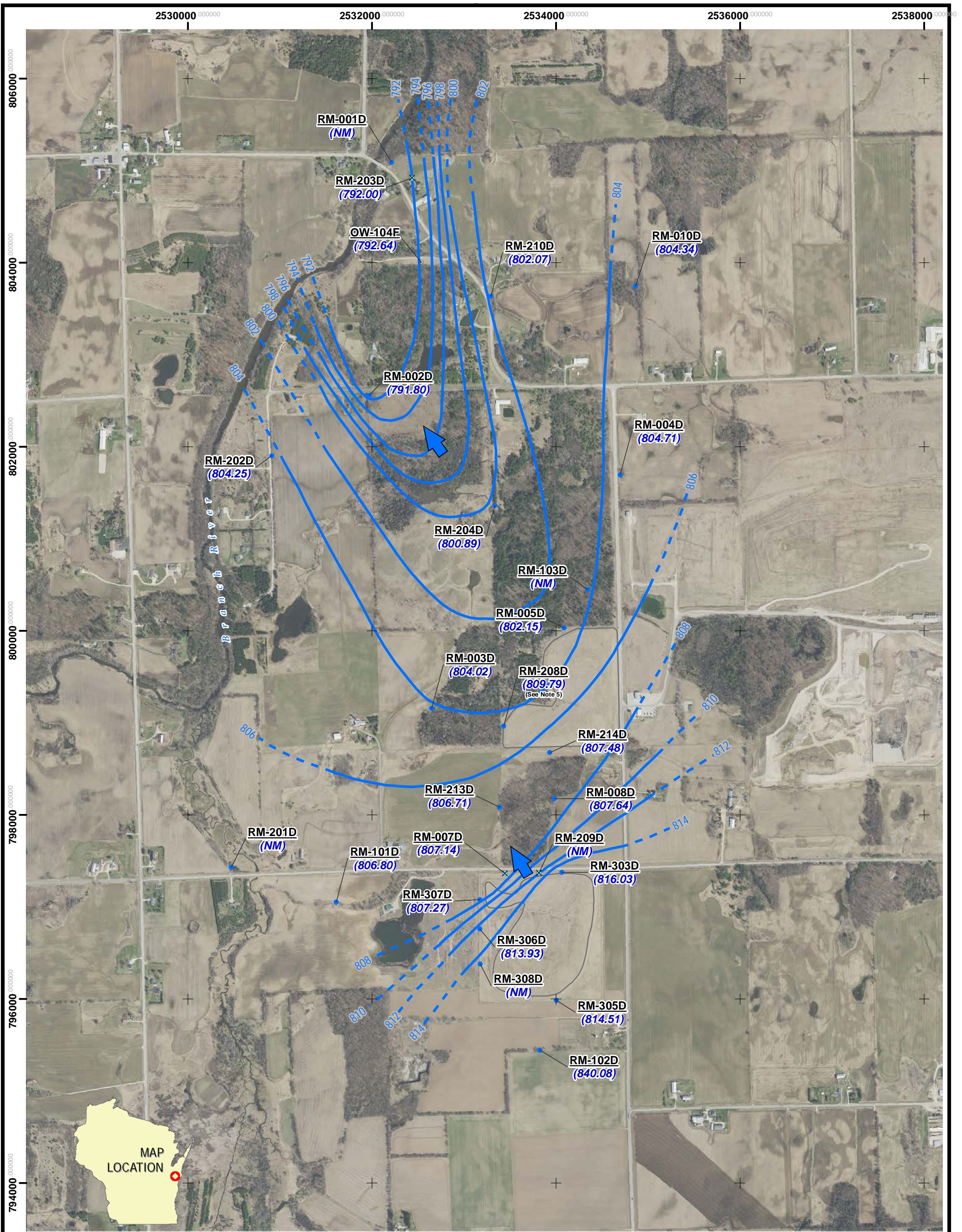
**NOTES**

1. AERIAL IMAGERY FROM MANITOWOC COUNTY, 2020.
2. MAP COORDINATES ARE WISCONSIN STATE PLANE, SOUTH ZONE, NAD 83, US SURVEY FOOT.
3. WATER ELEVATIONS MEASURED JUNE 26-30, 2021.

<b>PROJECT:</b>		
<b>LEMBERGER SITES TOWN OF FRANKLIN, WISCONSIN O&amp;M PROGRESS REPORT NO. 31</b>		
<b>SHEET TITLE:</b>		
<b>UGU WATER TABLE MAP JUNE 2021</b>		
<b>DRAWN BY:</b>	A. HORRIE	<b>SCALE:</b>
<b>CHECKED BY:</b>	T. O'CONNELL	1:12,000
<b>APPROVED BY:</b>	M. WESTOVER	<b>DATE PRINTED:</b>
<b>DATE:</b>	DECEMBER 2021	<b>FIGURE 2</b>



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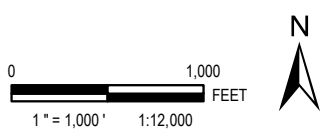
**LEGEND**

- SAMPLE AND MONITORING LOCATIONS**
- ✕ GW EXTRACTION WELL (EW)
  - GW OBSERVATION WELL (OW)
  - MONITORING WELL (RM)
  - 🗑️ LANDFILL AREA
  - ➡️ GROUNDWATER FLOW DIRECTION

- LABEL FORMAT:**
- SAMPLE ID  
GROUNDWATER ELEVATION (FT MSL)
- 850 GROUNDWATER ELEVATION CONTOUR (FT MSL, 2' INTERVAL, DASHED WHERE INFERRED)

**NOTES**

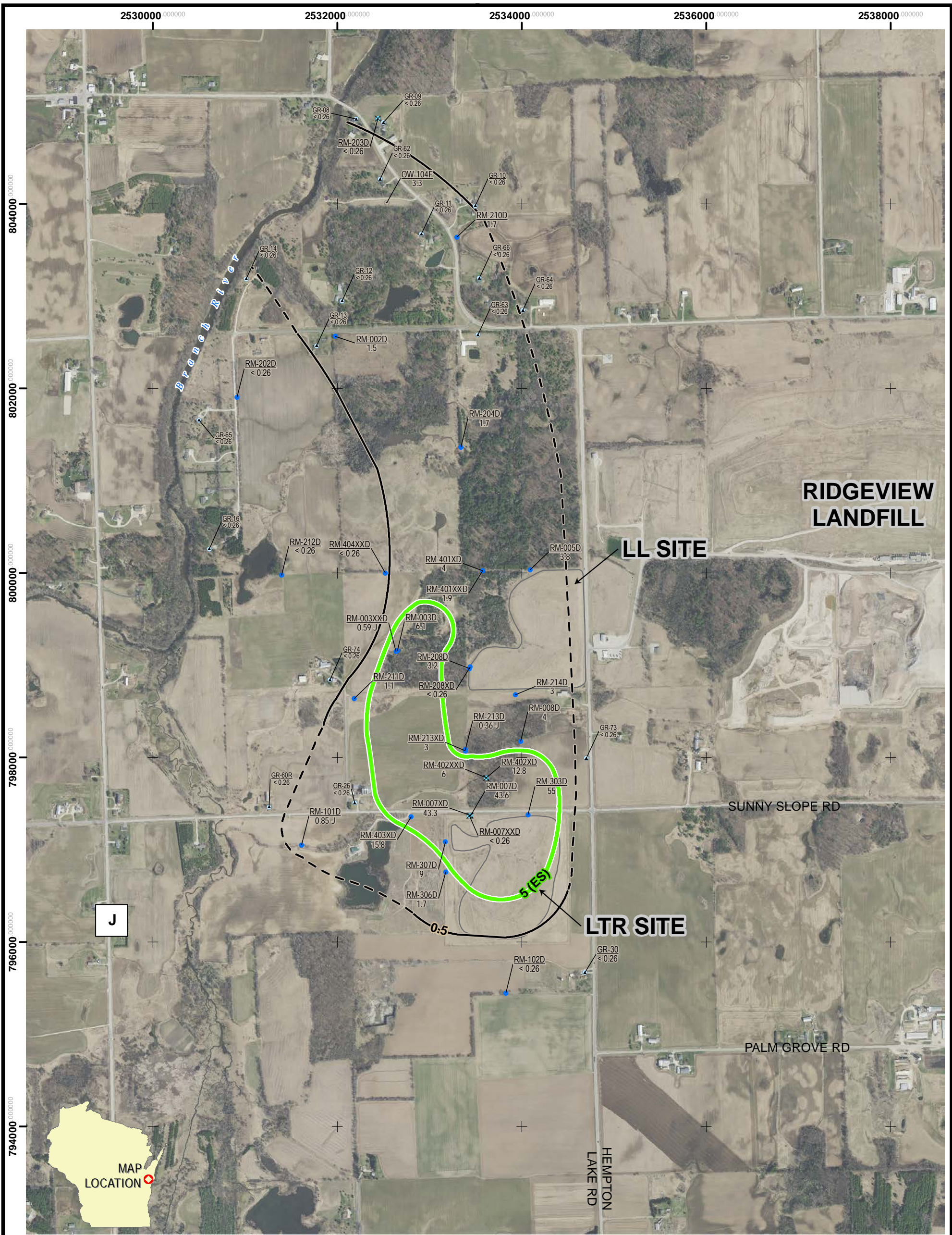
1. AERIAL IMAGERY FROM MANITOWOC COUNTY, 2020.
2. MAP COORDINATES ARE WISCONSIN STATE PLANE, SOUTH ZONE, NAD 83, US SURVEY FOOT.
3. WATER ELEVATIONS MEASURED SEPTEMBER 27 THROUGH OCTOBER 31, 2020.
4. WELL RM-102D NOT USED FOR CONTOURING.
5. WATER LEVEL REPORTED AT RM-208D APPEARS ANOMALOUS BASED ON HISTORICAL MEASUREMENTS AND IS NOT USED FOR CONTOURING.



PROJECT: <b>LEMBERGER SITES</b>		
TOWN OF FRANKLIN, WISCONSIN		
O&M PROGRESS REPORT NO. 31		
SHEET TITLE: <b>LGU AND BEDROCK</b>		
POTENTIOMETRIC SURFACE MAP		
SEPTEMBER/OCTOBER 2020		
DRAWN BY: A. HORRIE	SCALE: 1:12,000	PROJ. NO. 419607
CHECKED BY: T. O'CONNELL	DATE PRINTED:	FILE NO. 419607-003_LGUandBedrock.mxd
APPROVED BY: M. WESTOVER	DATE: DECEMBER 2021	<b>FIGURE 3</b>



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**LEGEND**

**SAMPLE AND MONITORING LOCATIONS**

- GW EXTRACTION WELL (EW)
- GW OBSERVATION WELL (OW)
- MONITORING WELL (RM)
- RESIDENTIAL WELL (GR)

LANDFILL AREA

**LABEL FORMAT:**

**SAMPLE ID**  
**SAMPLE RESULT (µ / L)**     **BOLD IF DETECTED**

**NOTES**

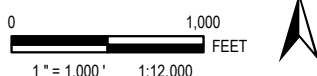
1. AERIAL IMAGERY FROM MANITOWOC COUNTY, 2020.
2. ANALYTICAL RESULTS ARE SHOWN IN: µg/L
3. "J" = RESULT IS BETWEEN THE LIMIT OF DETECTION (LOD) AND THE LIMIT OF QUANTIFICATION (LOQ). "J" = RESULT IS ESTIMATED; A HIGH OR LOW BIAS IS INDICATED BY A "\*" OR A "\*\*".
4. NON-DETECT RESULTS ARE REPORTED AS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

**PROJECT:**

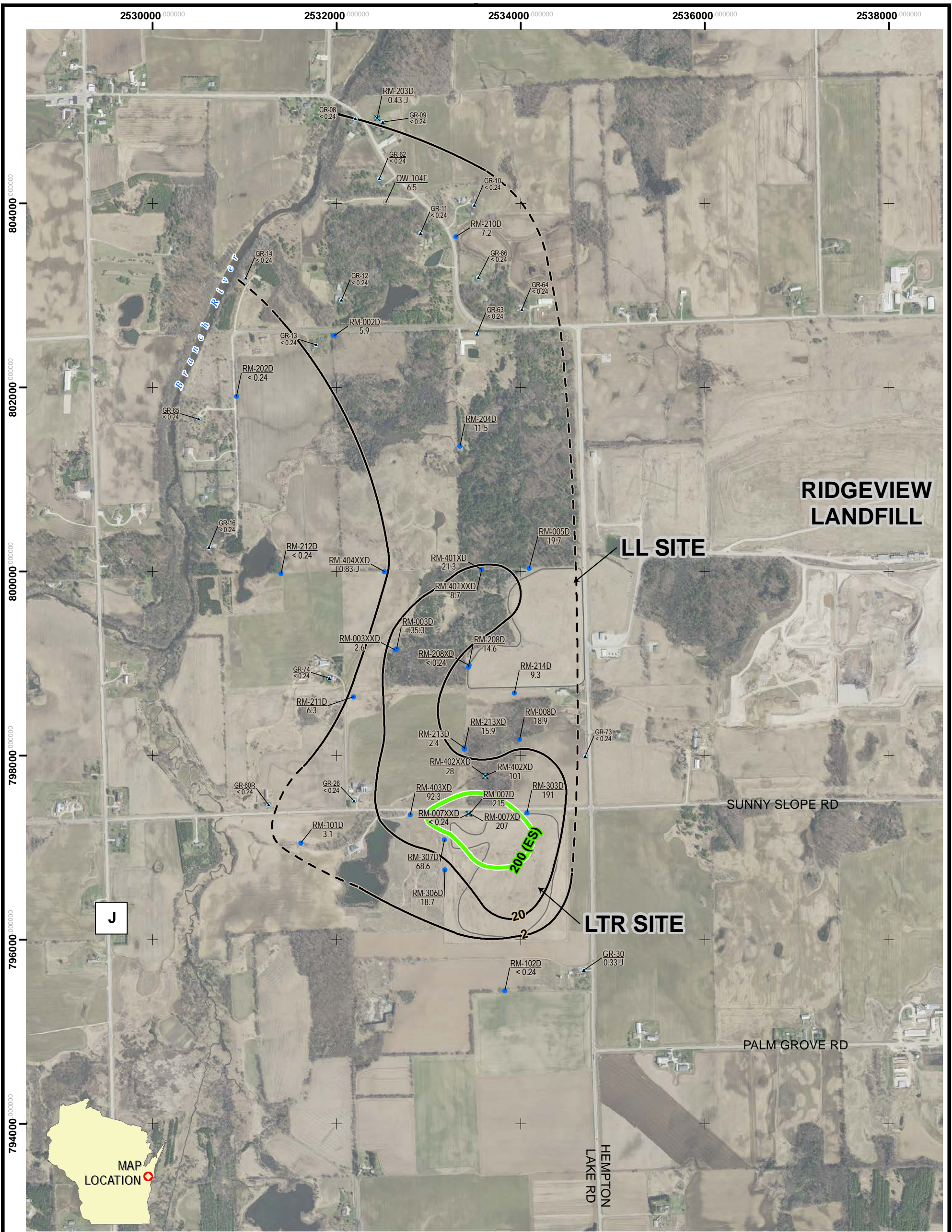
**LEMBERGER SITES  
TOWN OF FRANKLIN, WISCONSIN  
O&M PROGRESS REPORT NO. 31**

**SHEET TITLE: TRICHLOROETHENE (TCE) CONCENTRATIONS  
LGU AND BEDROCK UNITS  
SEPTEMBER/OCTOBER 2020**

DRAWN BY:	A. HORRIE	SCALE:	AS NOTED	PROJ. NO.	419607
CHECKED BY:	T. O'CONNELL	DATE PRINTED:		FILE NO.	419607-004_TCE.mxd
APPROVED BY:	M. WESTOVER	DATE:	DECEMBER 2021	<b>FIGURE 4</b>	



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**LEGEND**

- SAMPLE AND MONITORING LOCATIONS**
- ✕ GW EXTRACTION WELL (EW)
  - GW OBSERVATION WELL (OW)
  - MONITORING WELL (RM)
  - ▲ RESIDENTIAL WELL (GR)
- LANDFILL AREA
- LABEL FORMAT:**  
 SAMPLE ID  
 SAMPLE RESULT (µ/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 DETECTED IN ONE RESIDENTIAL WELL SAMPLE 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:

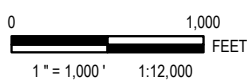
**LEMBERGER SITES  
 TOWN OF FRANKLIN, WISCONSIN  
 O&M PROGRESS REPORT NO. 31**

SHEET TITLE: **1,1,1-TRICHLOROETHANE CONCENTRATIONS  
 LGU AND BEDROCK UNITS  
 SEPTEMBER/OCTOBER 2020**

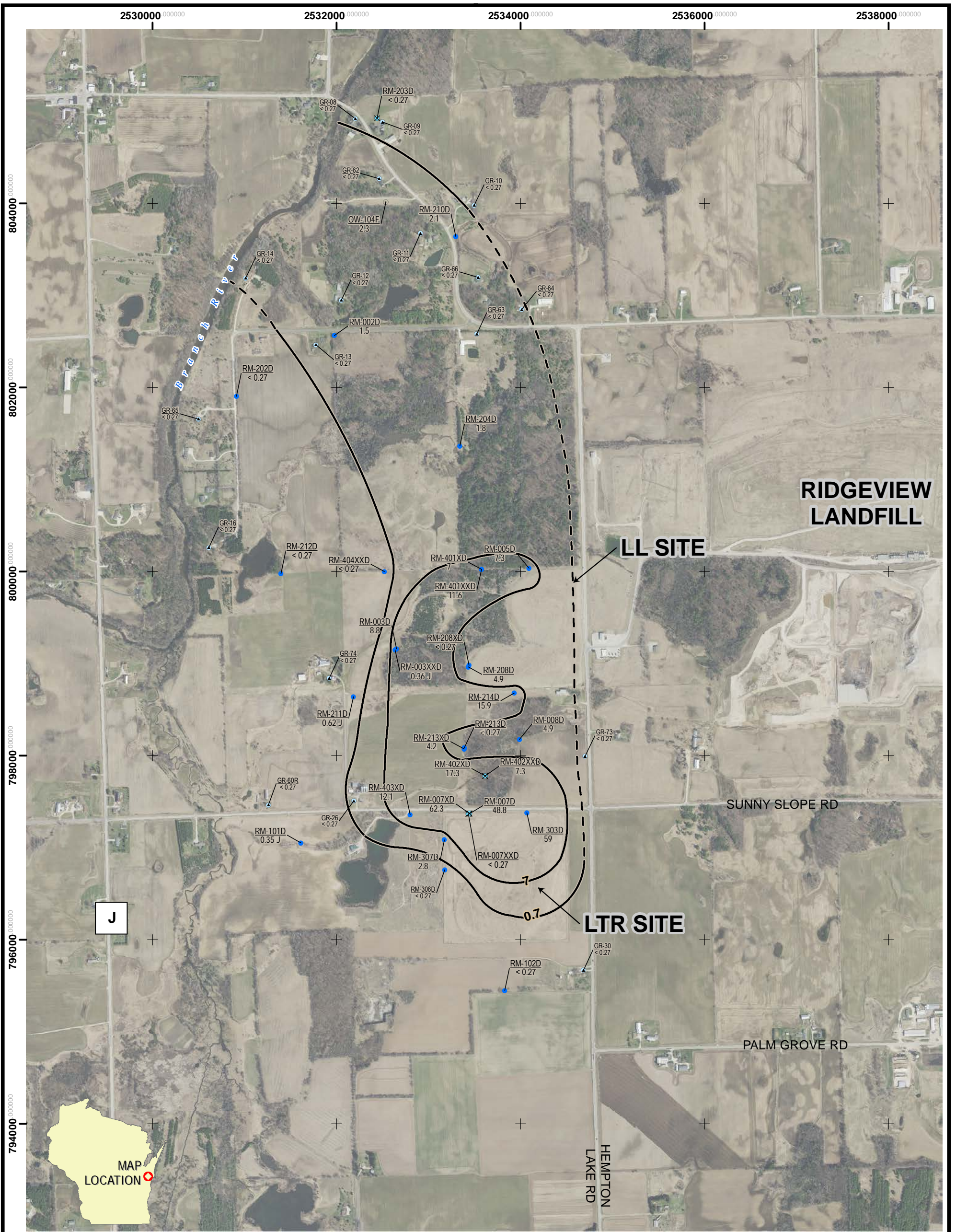
DRAWN BY: A. HORRIE	SCALE: 1:12,000	PROJ. NO. 419607
CHECKED BY: T. O'CONNELL	DATE PRINTED:	FILE NO 419607-005_111Trichloroethane.mxd
APPROVED BY: M. WESTOVER	DATE: DECEMBER 2021	<b>FIGURE 5</b>



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**LEGEND**

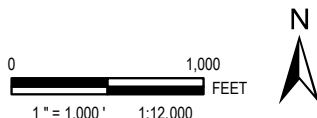
- SAMPLE AND MONITORING LOCATIONS**
- ✕ GW EXTRACTION WELL (EW)
  - GW OBSERVATION WELL (OW)
  - MONITORING WELL (RM)
  - ▲ RESIDENTIAL WELL (GR)

- ⬭ LANDFILL AREA
- ⬭ ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)

**LABEL FORMAT:**  
 SAMPLE ID  
 SAMPLE RESULT (µg/L)    **BOLD IF DETECTED**

**NOTES**

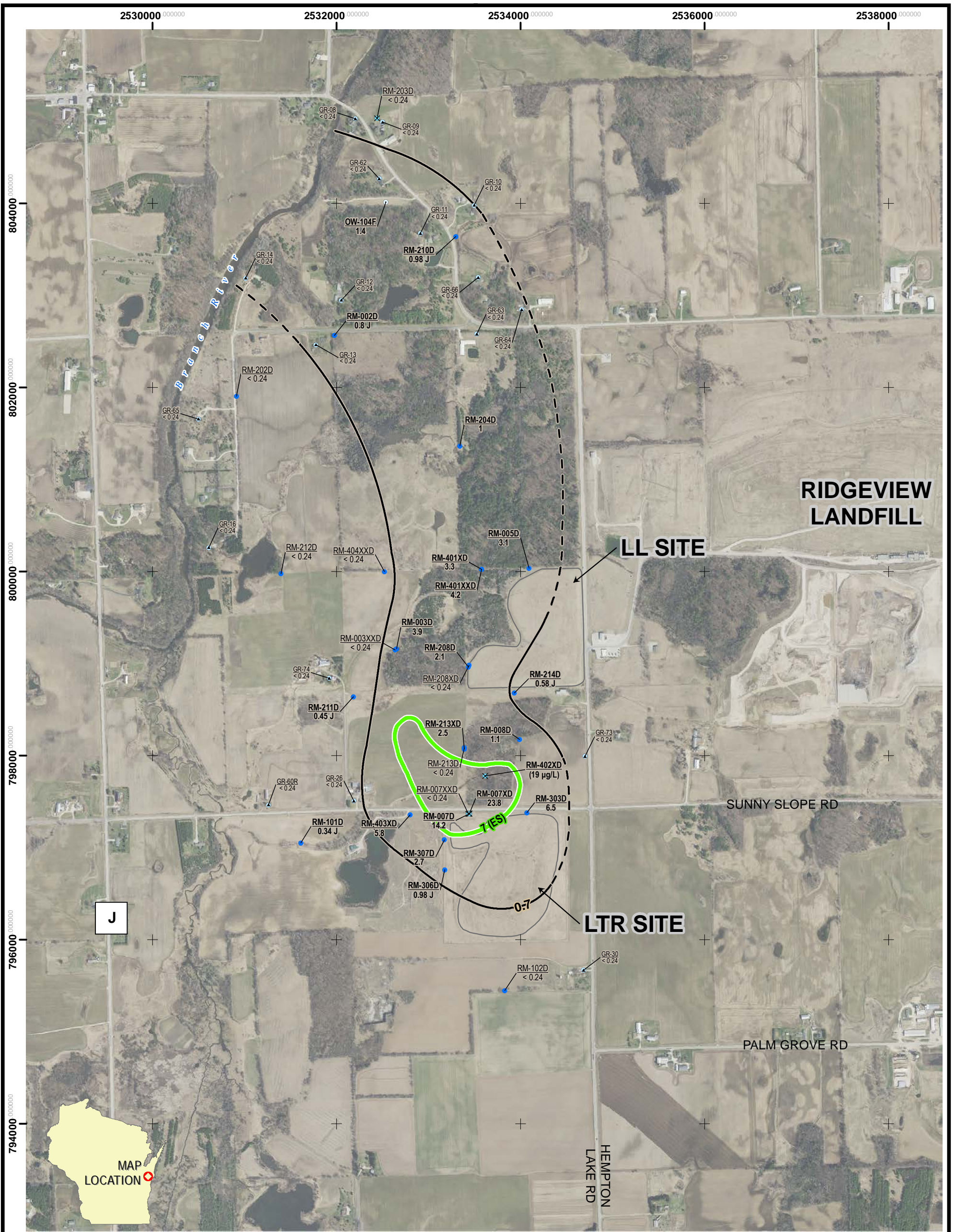
1. AERIAL IMAGERY FROM MANITOWOC COUNTY, 2020.
2. ANALYTICAL RESULTS ARE SHOWN IN: µg/L
3. "J" = RESULT IS BETWEEN THE LIMIT OF DETECTION (LOD) AND THE LIMIT OF QUANTIFICATION (LOQ). "J" = RESULT IS ESTIMATED; A HIGH OR LOW BIAS IS INDICATED BY A "\*" OR "A".
4. NON-DETECT RESULTS ARE REPORTED AS "LOD".
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: <b>LEMBERGER SITES</b>		
TOWN OF FRANKLIN, WISCONSIN		
O&M PROGRESS REPORT NO. 31		
SHEET TITLE: <b>CIS-1,2-DICHLOROETHENE CONCENTRATIONS</b>		
LGU AND BEDROCK UNITS		
SEPTEMBER/OCTOBER 2020		
DRAWN BY: A. HORRIE	SCALE: 1:12,000	PROJ. NO. 419607
CHECKED BY: T. O'CONNELL	DATE PRINTED:	FILE NO. 419607-006_CIS12.mxd
APPROVED BY: M. WESTOVER	DATE: DECEMBER 2021	<b>FIGURE 6</b>



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**LEGEND**

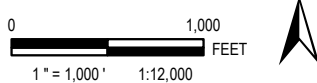
- SAMPLE AND MONITORING LOCATIONS**
- ✕ GW EXTRACTION WELL (EW)
  - GW OBSERVATION WELL (OW)
  - MONITORING WELL (RM)
  - ▲ RESIDENTIAL WELL (GR)

- ☁ LANDFILL AREA
- ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
- ENFORCEMENT STANDARD (ES) CONTOUR

**LABEL FORMAT:**  
 SAMPLE ID  
 SAMPLE RESULT (µg/L) **BOLD IF DETECTED**

**NOTES**

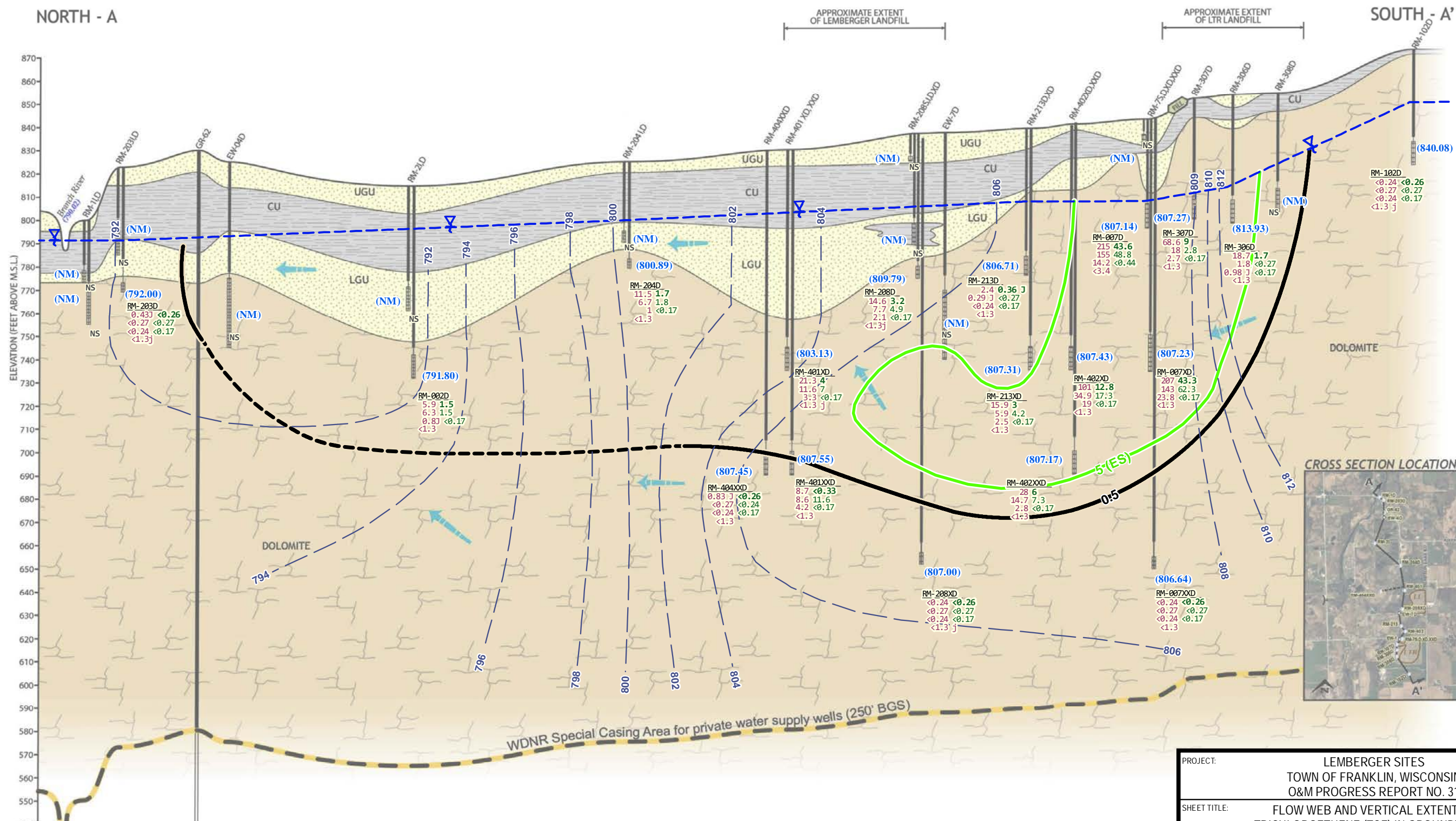
1. AERIAL IMAGERY FROM MANITOWOC COUNTY, 2020.
2. ANALYTICAL RESULTS ARE SHOWN IN: µg/L
3. "J" = RESULT IS BETWEEN THE LIMIT OF DETECTION (LOD) AND THE LIMIT OF QUANTIFICATION (LOQ). J = RESULT IS ESTIMATED; A HIGH OR LOW BIAS IS INDICATED BY A "\*" OR A "-".
4. NON-DETECT RESULTS ARE REPORTED AS "LOD".
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: <b>LEMBERGER SITES</b>		
TOWN OF FRANKLIN, WISCONSIN		
O&M PROGRESS REPORT NO. 31		
SHEET TITLE: <b>1,1-DICHLOROETHENE CONCENTRATIONS</b>		
LGU AND BEDROCK UNITS		
SEPTEMBER/OCTOBER 2020		
DRAWN BY: A. HORRIE	SCALE: 1:12,000	PROJ. NO. 419607
CHECKED BY: T. O'CONNELL	DATE PRINTED:	FILE N0419607-007_11Dichloroethene_1.mxd
APPROVED BY: M. WESTOVER	DATE: DECEMBER 2021	<b>FIGURE 7</b>



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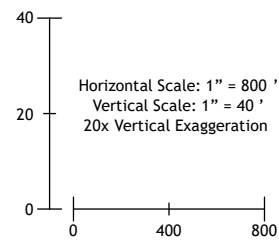


**LEGEND**

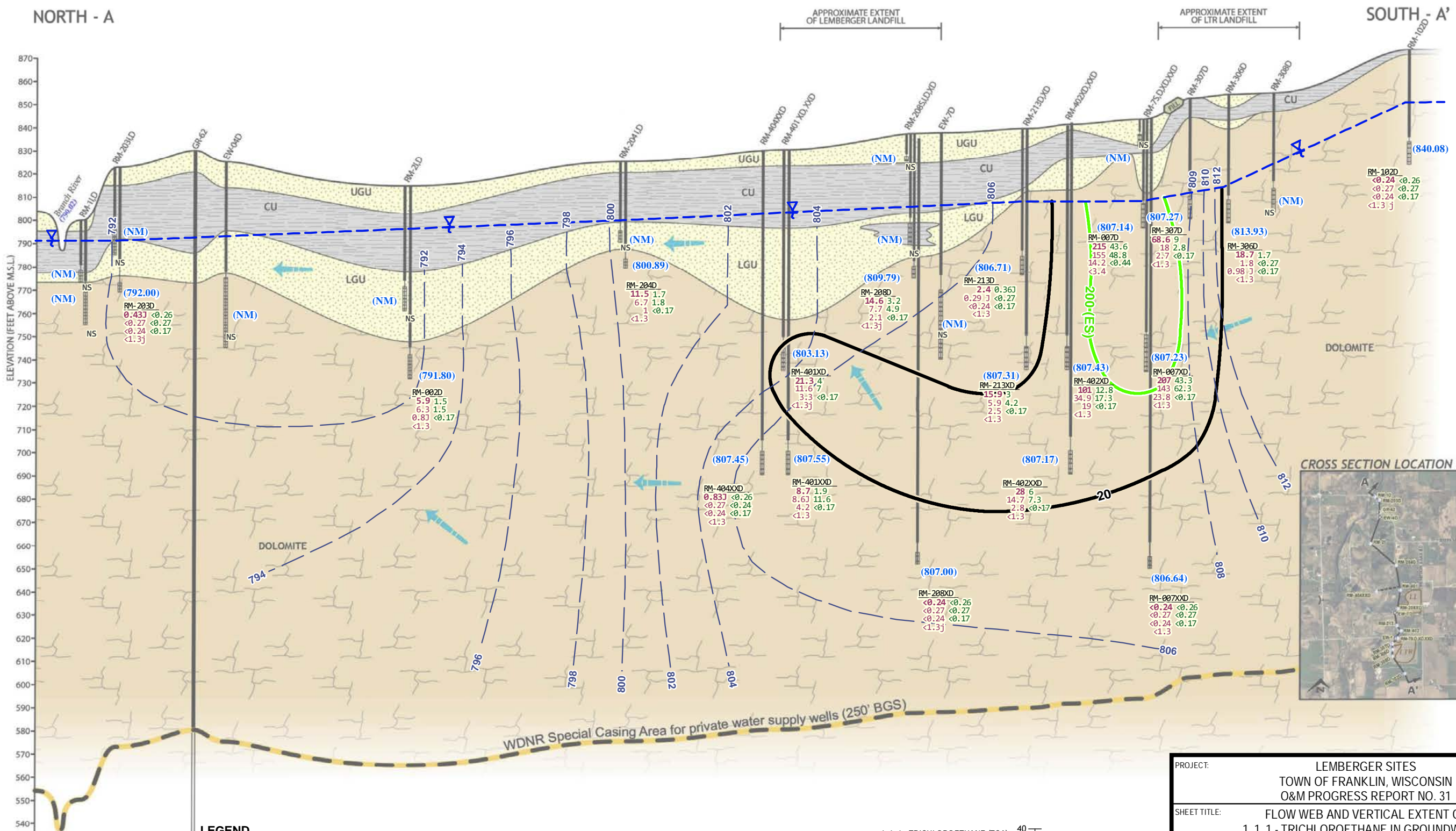
- STRATIGRAPHIC BOUNDARY, DASHED WHERE INFERRED
- UGU UPPER GRANULAR UNIT
- CU CLAY CONFINING UNIT
- LGU LOWER GRANULAR UNIT
- DOLOMITE BEDROCK
- WELL CONSTRUCTION DETAILS
  - WELL CASING
  - WELL SEAL
  - WELL SCREEN
  - OPEN HOLE (NO SCREEN)
- (803.70) - GROUNDWATER ELEVATION SEPT/OCT 2020
- POTENTIOMETRIC 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

- ~ TRICHLOROETHENE (TCE) 2020 Q3 ISOCONCENTRATION CONTOUR (DASHED WHERE INFERRED)
  - ~ ENFORCEMENT STANDARD (ES) CONTOUR
- \*NOTE: WATER LEVEL REPORTED AT RM-208D IN OCTOBER 2020 APPEARS ANOMALOUS BASED ON HISTORICAL MEASUREMENTS AND IS NOT USED TO DETERMINE THE EQUIPOTENTIAL CONTOURS.



PROJECT: LEMBERGER SITES TOWN OF FRANKLIN, WISCONSIN O&M PROGRESS REPORT NO. 31		
SHEET TITLE: FLOW WEB AND VERTICAL EXTENT OF TRICHLOROETHENE (TCE) IN GROUNDWATER SEPTEMBER/OCTOBER 2020		
DRAWN BY: B. TRACY	SCALE: AS NOTED	PROJ. NO. 419607
CHECKED BY: A. HORRIE	DATE PRINTED:	FILE NO. 419607-008_TCE_CrossSection.mxd
APPROVED BY: M. WESTOVER	<b>FIGURE 8</b>	
DATE: DECEMBER 2021		



**LEGEND**

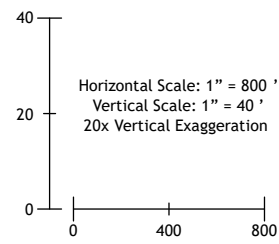
- STRATIGRAPHIC BOUNDARY, DASHED WHERE INFERRED
- UGU UPPER GRANULAR UNIT
- CU CLAY CONFINING UNIT
- LGU LOWER GRANULAR UNIT
- DOLOMITE BEDROCK
- WELL CONSTRUCTION DETAILS
  - WELL CASING
  - WELL SEAL
  - WELL SCREEN
  - OPEN HOLE (NO SCREEN)
- (803.70) - GROUNDWATER ELEVATION SEPT/OCT 2020
- POTENTIOMETRIC SURFACE
- EQUIPOTENTIAL CONTOUR LINE
- ← GROUNDWATER FLOW DIRECTION

**VOC RESULTS -**  
 1,1,1-TCA (µg/L) TCE (µg/L)  
 1,1-DCA (µg/L) cis-1,2-DCE (µg/L)  
 1,1-DCE (µg/L) VINYL CHLORIDE (µg/L)  
 CHLOROETHANE (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

1, 1, 1 - TRICHLOROETHANE (TCA)  
 2020 Q3 ISOCONCENTRATION  
 CONTOUR (DASHED WHERE  
 INFERRED)  
 ENFORCEMENT STANDARD (ES)  
 CONTOUR

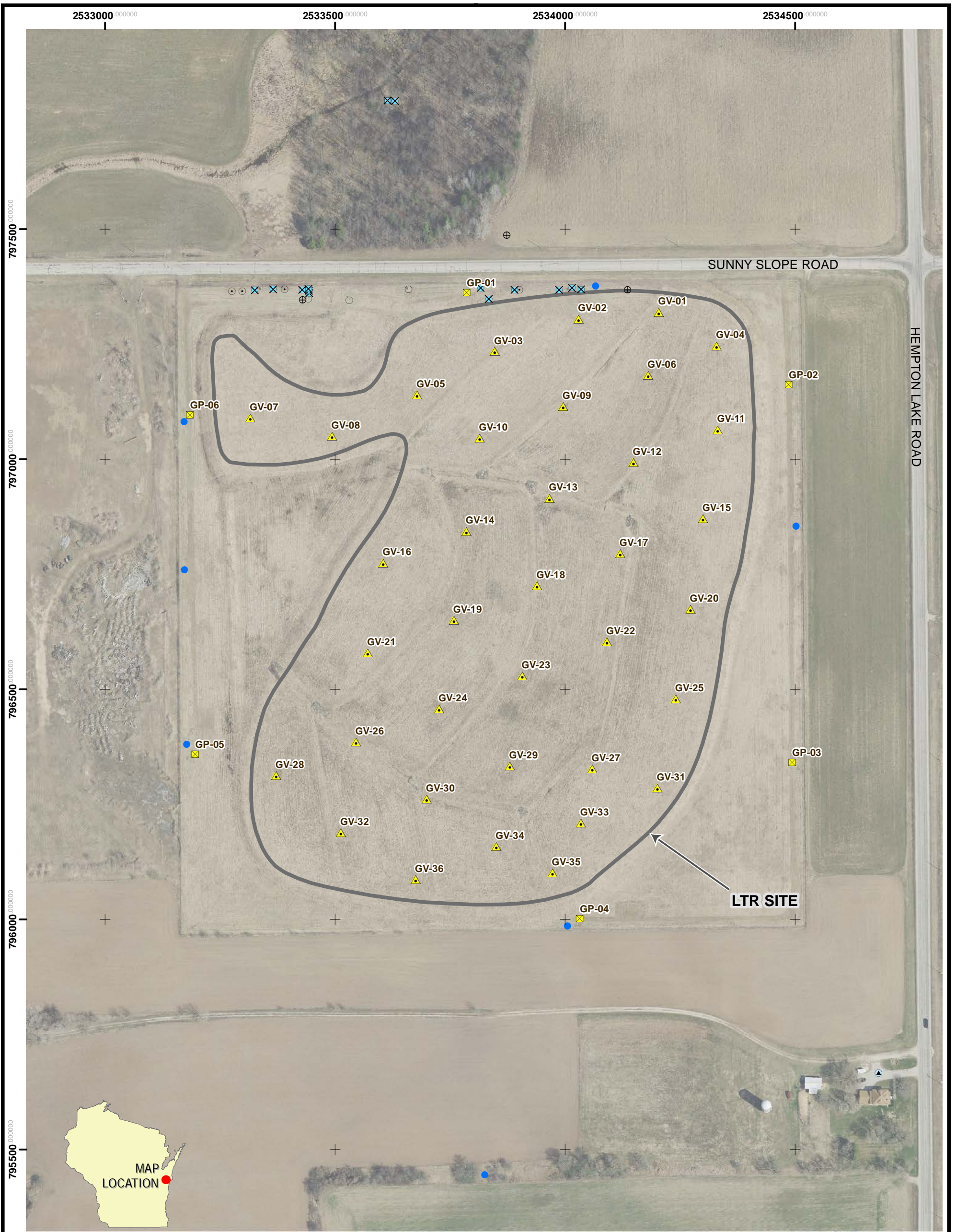
\*NOTE: WATER LEVEL REPORTED  
 AT RM-208D IN OCTOBER 2020  
 APPEARS ANOMALOUS BASED  
 ON HISTORICAL MEASUREMENTS  
 AND IS NOT USED TO DETERMINE  
 THE EQUIPOTENTIAL CONTOURS.



PROJECT: LEMBERGER SITES TOWN OF FRANKLIN, WISCONSIN O&M PROGRESS REPORT NO. 31		
SHEET TITLE: FLOW WEB AND VERTICAL EXTENT OF 1, 1, 1 - TRICHLOROETHANE IN GROUNDWATER SEPTEMBER/OCTOBER 2021		
DRAWN BY: B. TRACY	SCALE: AS NOTED	PROJ. NO. 419607
CHECKED BY: A. HORRIE	DATE PRINTED:	FILE NO. 419607-009_TCA_CrossSection.mxd
APPROVED BY: M. WESTOVER	DATE: DECEMBER 2021	
FIGURE 9		



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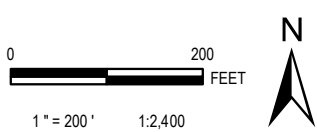
**LEGEND**

- SAMPLE AND MONITORING LOCATIONS**
- GAS PROBE
  - GAS VENT
  - BEDROCK BORING
  - GW COLLECTION SUMP (GWC)
  - GW EXTRACTION WELL (EW)
  - GW OBSERVATION WELL (OW)
  - LEACHATE HEAD WELL (LH)
  - LEACHATE WITHDRAWL WELL (LW)
  - MONITORING WELL (RM)
  - RESIDENTIAL WELL (GR)



**NOTES**

1. AERIAL IMAGERY FROM MANITOWOC COUNTY, 2020.
2. MAP COORDINATES ARE WISCONSIN STATE PLANE, SOUTH ZONE, NAD 83, US SURVEY FOOT.
3. GAS PROBE AND VENT LOCATIONS DIGITIZED FROM 1996 MILLER/TERRA CAD DRAWING.



PROJECT: <b>LEMBERGER SITES</b>			
TOWN OF FRANKLIN, WISCONSIN			
O&M PROGRESS REPORT NO. 31			
SHEET TITLE: <b>GAS PROBE AND GAS VENT LOCATIONS</b>			
LTR SITE			
DRAWN BY: A. HORRIE	SCALE: AS NOTED	PROJ. NO. 419607	
CHECKED BY: T. O'CONNELL		FILE NO. 419607-008_GasProbeVent.mxd	
APPROVED BY: M. WESTOVER	DATE PRINTED:	<b>FIGURE 10</b>	
DATE: DECEMBER 2021			

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## **Appendix A: Site Inspection Reports**

**SITE INSPECTION CHECKLIST  
LEMBERGER LANDFILL CLOSURE STRUCTURE**

Date: 5-12-21  
 Inspected By: Mark Brooks

Item	Acceptable	Not Acceptable	Present	Not Present	Location	Remarks
<b>1. Vegetative Cover:</b>						
<b>a. Landfill Site:</b>						
Bare Spots				X		
Dead Areas				X		
Undesirable Growth				X		
<b>b. Drainage Structures:</b>						
Bare Spots				X		
Dead Areas				X		
Undesirable Growth				X		
<b>2. Soil Cover:</b>						
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		
Unauthorised Dumping				X		
Litter				X		
<b>3. Gas Venting System:</b>						
Odor				X		
Damage or Vandalism				X		
Settlement				X		
Vector Infestation				X		
Bird Screen			X			
<b>4. Site Fencing:</b>						
Damage or Vandalism				X		
Loose Fence Post				X		
Damage to Corner Post				X		
Gate			X			
Gate Lock			X			

ADDITIONAL COMMENTS:

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**SITE INSPECTION CHECKLIST  
LEMBERGER LANDFILL CLOSURE STRUCTURE**

Date: 5-12-21  
 Inspected By: Mark Brooks

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

ADDITIONAL COMMENTS:

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**SITE INSPECTION CHECKLIST  
LEMBERGER LANDFILL CLOSURE STRUCTURE**

Date: 11-13-20  
 Inspected By: Mark Brooks

Item	Acceptable	Not Acceptable	Present	Not Present	Location	Remarks
<b>1. Vegetative Cover:</b>						
<b>a. Landfill Site:</b>						
Bare Spots				X		
Dead Areas				X		
Undesirable Growth				X		
<b>b. Drainage Structures:</b>						
Bare Spots				X		
Dead Areas				X		
Undesirable Growth				X		
<b>2. Soil Cover:</b>						
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		
<b>3. Gas Ventiler System:</b>						
Odor				X		
Damage or Vandalism				X		
Settlement				X		
Vector Infestation				X		
Bird Screen			X			
<b>4. Site Fencing:</b>						
Damage or Vandalism				X		
Loose Fence Post				X		
Damage to Corner Post				X		
Gate			X			
Gate Lock			X			

ADDITIONAL COMMENTS :

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**SITE INSPECTION CHECKLIST  
LEMBERGER LANDFILL CLOSURE STRUCTURE**

Date: 11-13-20  
 Inspected By: Mark Brooks

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

**ADDITIONAL COMMENTS:**

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**Appendix B: Summary of Leachate Head Levels –  
July 2020 Through June 2021**

**Lemberger Landfill**  
**Leachate Head Levels (July 2020 - June 2021)**

<b>Well ID</b>	<b>Date</b>	<b>Leachate Head Elevation (feet, above M.S.L.)</b>	<b>Bottom of Waste Elevation (feet, above M.S.L.)<sup>(1)</sup></b>	<b>Feet Above (or Below) Bottom of Waste<sup>(2)</sup></b>
LH-01	29-Jun-21	835.56	839.2	-3.6
LH-03	30-Jun-21	836.14	839.7	-3.6
LH-06	30-Jun-21	< 846.57 (dry)	851.7	-5.1
LW-07	30-Jun-21	832.71	825.7	7.0

Notes:

<sup>(1)</sup> Bottom of waste elevations are approximate for "LH" wells.

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

**Appendix C: Summary of Groundwater Elevation Data –  
July 2020 through June 2021**

**Lemberger Landfill**  
**Water Elevation Data (July 2020 - June 2021)**

<b>Well ID</b>	<b>Sample Date</b>	<b>Water Elevation (ft, MSL)</b>
OW-104F	10/27/2020	792.64
RM-002D	9/28/2020	791.80
RM-002D	12/17/2020	791.17
RM-002D	3/25/2021	792.34
RM-002D	6/28/2021	792.11
RM-003D	9/27/2020	804.02
RM-003D	12/16/2020	802.88
RM-003D	3/26/2021	802.29
RM-003D	6/24/2021	801.91
RM-003XXD	9/27/2020	807.53
RM-003XXD	12/16/2020	806.93
RM-003XXD	3/26/2021	806.27
RM-003XXD	6/24/2021	805.81
RM-004D	9/27/2020	804.71
RM-004D	6/26/2021	804.40
RM-005D	10/26/2020	802.15
RM-005D	3/30/2021	800.90
RM-005S	6/29/2021	836.74
RM-007D	10/30/2020	807.14
RM-007XD	10/30/2020	807.23
RM-007XD	3/30/2021	808.05
RM-007XXD	10/30/2020	806.64
RM-008D	10/31/2020	807.64
RM-008D	3/29/2021	807.00
RM-010D	9/27/2020	804.34
RM-010D	6/26/2021	804.87
RM-101D	10/29/2020	806.80
RM-102D	10/27/2020	840.08
RM-202D	10/28/2020	804.25
RM-203D	10/27/2020	792.00
RM-204D	10/30/2020	800.89
RM-204D	3/29/2021	799.41
RM-206S	6/29/2021	834.52
RM-207S	6/30/2021	830.68
RM-208D	10/26/2020	809.79
RM-208D	3/30/2021	801.38
RM-208S	6/30/2021	826.44
RM-208XD	10/26/2020	807.00
RM-210D	9/28/2020	802.07
RM-210D	12/17/2020	801.39
RM-210D	3/25/2021	798.24
RM-210D	6/28/2021	795.86
RM-211D	10/27/2020	804.71
RM-211D	3/26/2021	803.70
RM-212D	10/31/2020	806.64
RM-213D	10/28/2020	806.71
RM-213XD	10/28/2020	807.31

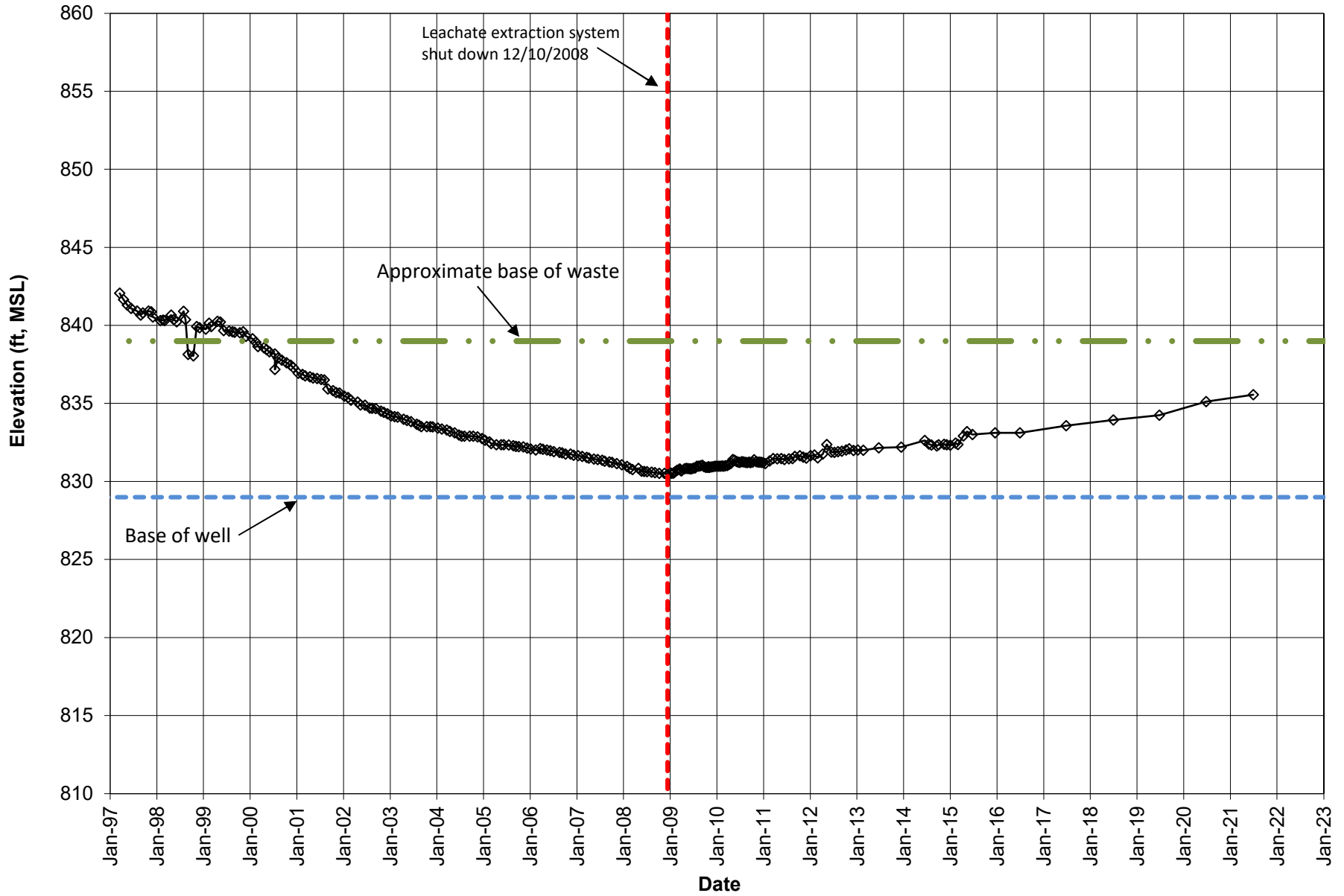
**Lemberger Landfill**  
**Water Elevation Data (July 2020 - June 2021)**

<b>Well ID</b>	<b>Sample Date</b>	<b>Water Elevation (ft, MSL)</b>
RM-214D	10/28/2020	807.48
RM-301S	6/26/2021	852.46
RM-302S	6/26/2021	850.99
RM-303D	10/29/2020	816.03
RM-305D	9/27/2020	814.51
RM-305D	6/26/2021	814.44
RM-306D	10/29/2020	813.93
RM-307D	10/29/2020	807.27
RM-307D	3/30/2021	806.67
RM-401XD	10/26/2020	803.13
RM-401XD	3/26/2021	802.06
RM-401XXD	9/28/2020	807.55
RM-401XXD	12/17/2020	806.85
RM-401XXD	3/26/2021	806.28
RM-401XXD	6/28/2021	805.72
RM-402XD	10/31/2020	807.43
RM-402XD	3/29/2021	806.74
RM-402XXD	10/31/2020	807.17
RM-402XXD	3/29/2021	806.52
RM-403XD	9/27/2020	807.35
RM-403XD	12/17/2020	806.83
RM-403XD	3/25/2021	806.37
RM-403XD	6/24/2021	805.78
RM-404XXD	9/27/2020	807.45
RM-404XXD	12/16/2020	806.86

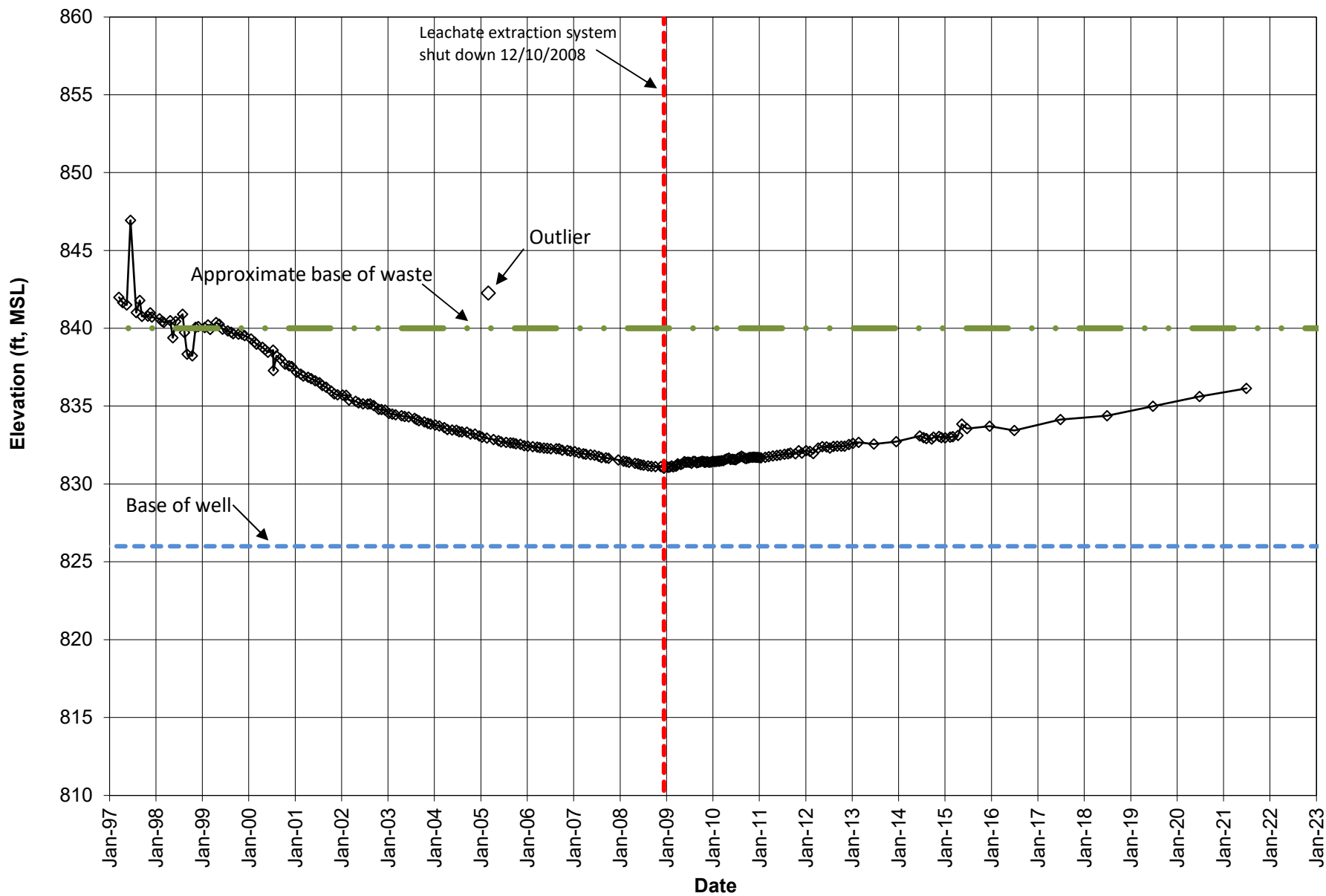
## Appendix D: Hydrographs



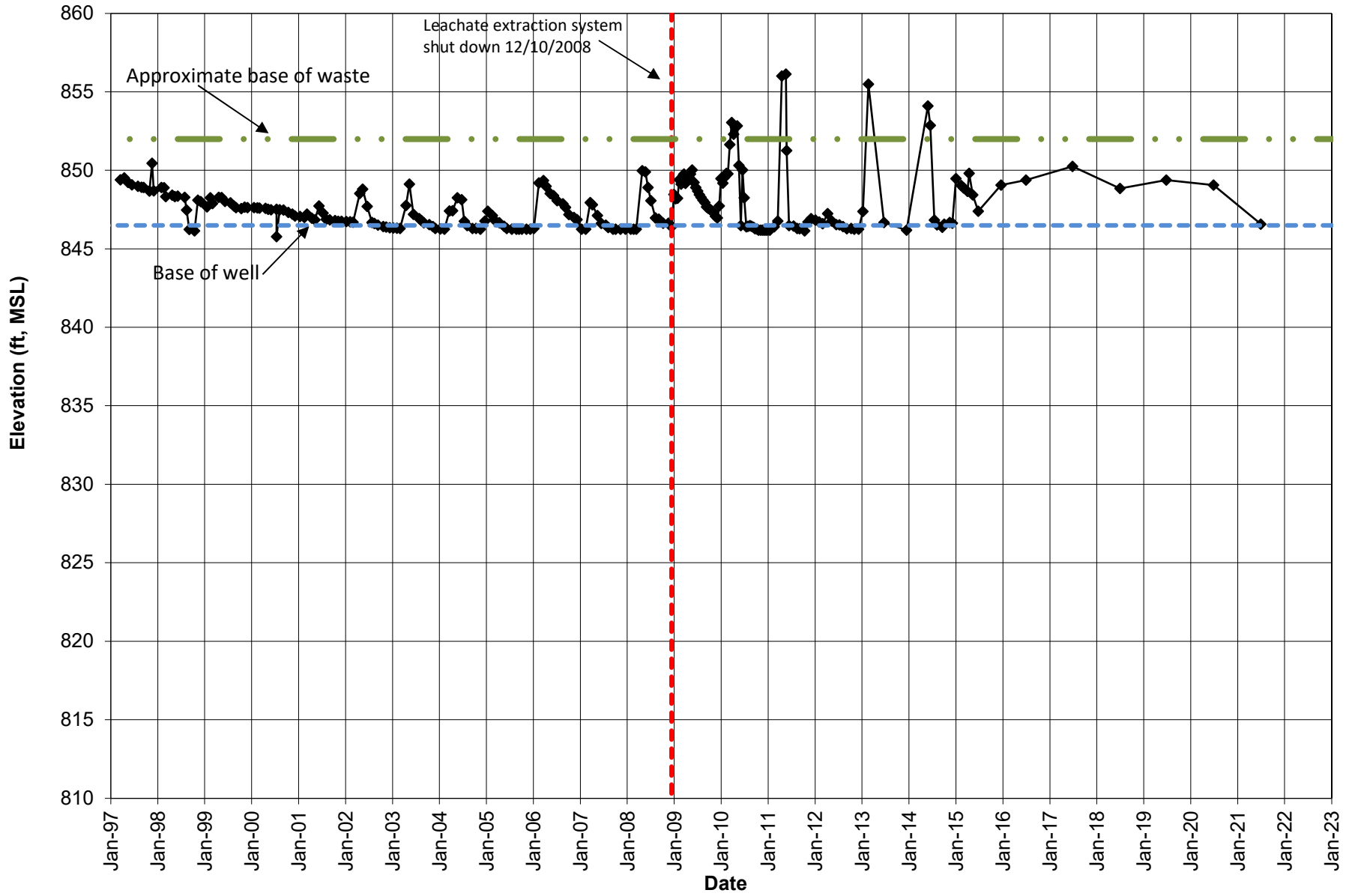
Lemberger Landfill  
Leachate/Groundwater Head Levels  
LH-01



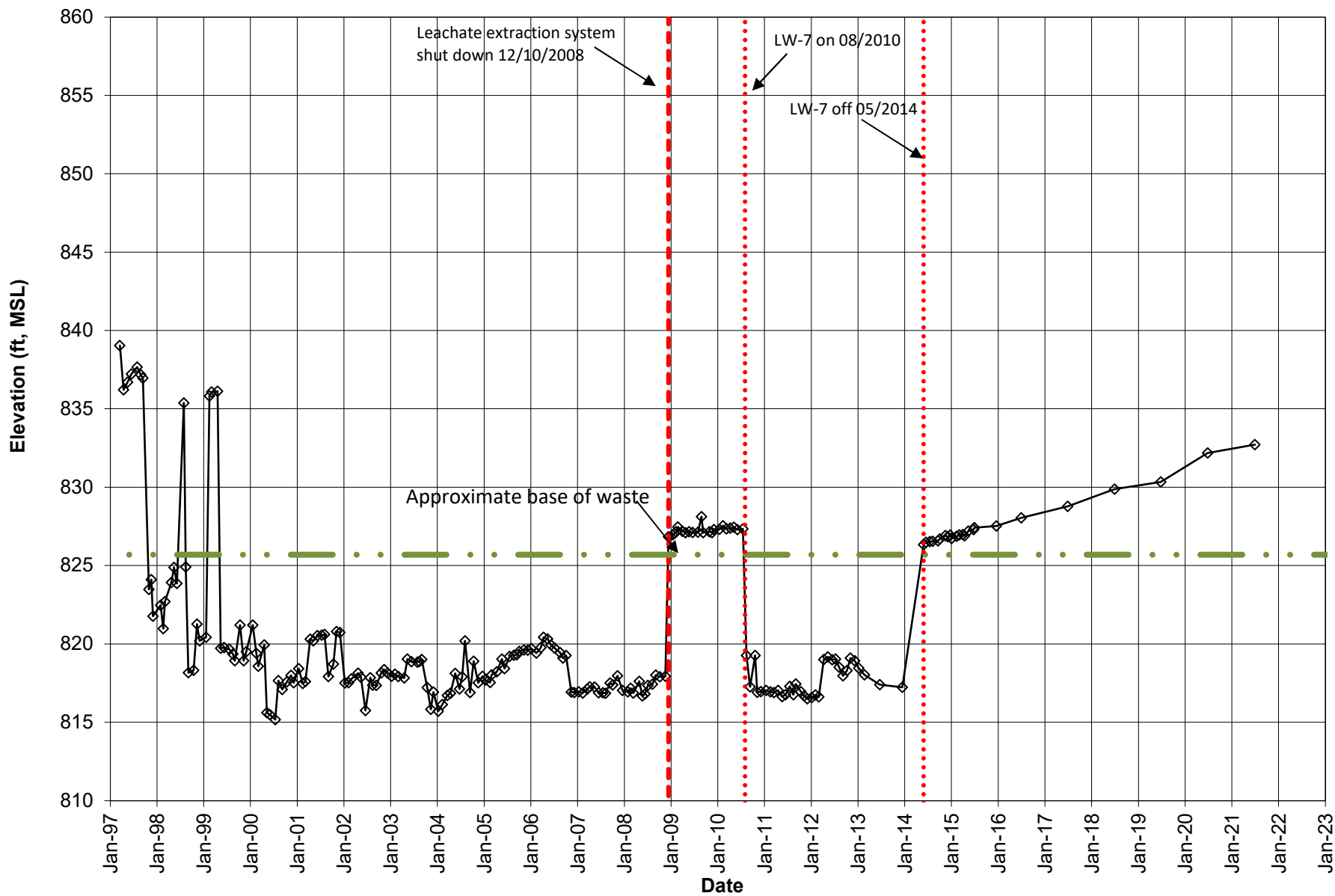
# Lemberger Landfill Leachate/Groundwater Head Levels LH-03



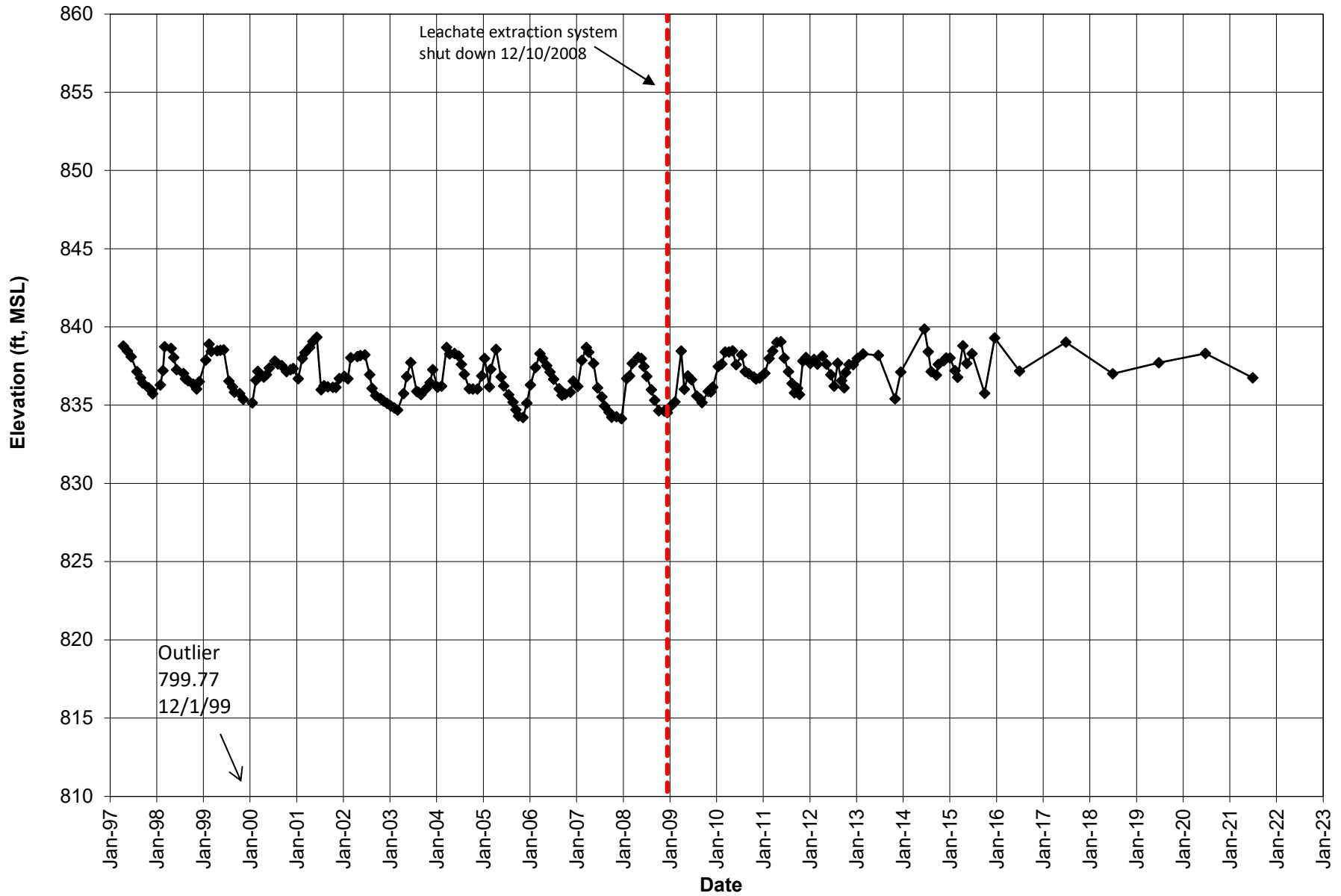
Lemberger Landfill  
Leachate/Groundwater Head Levels  
LH-06



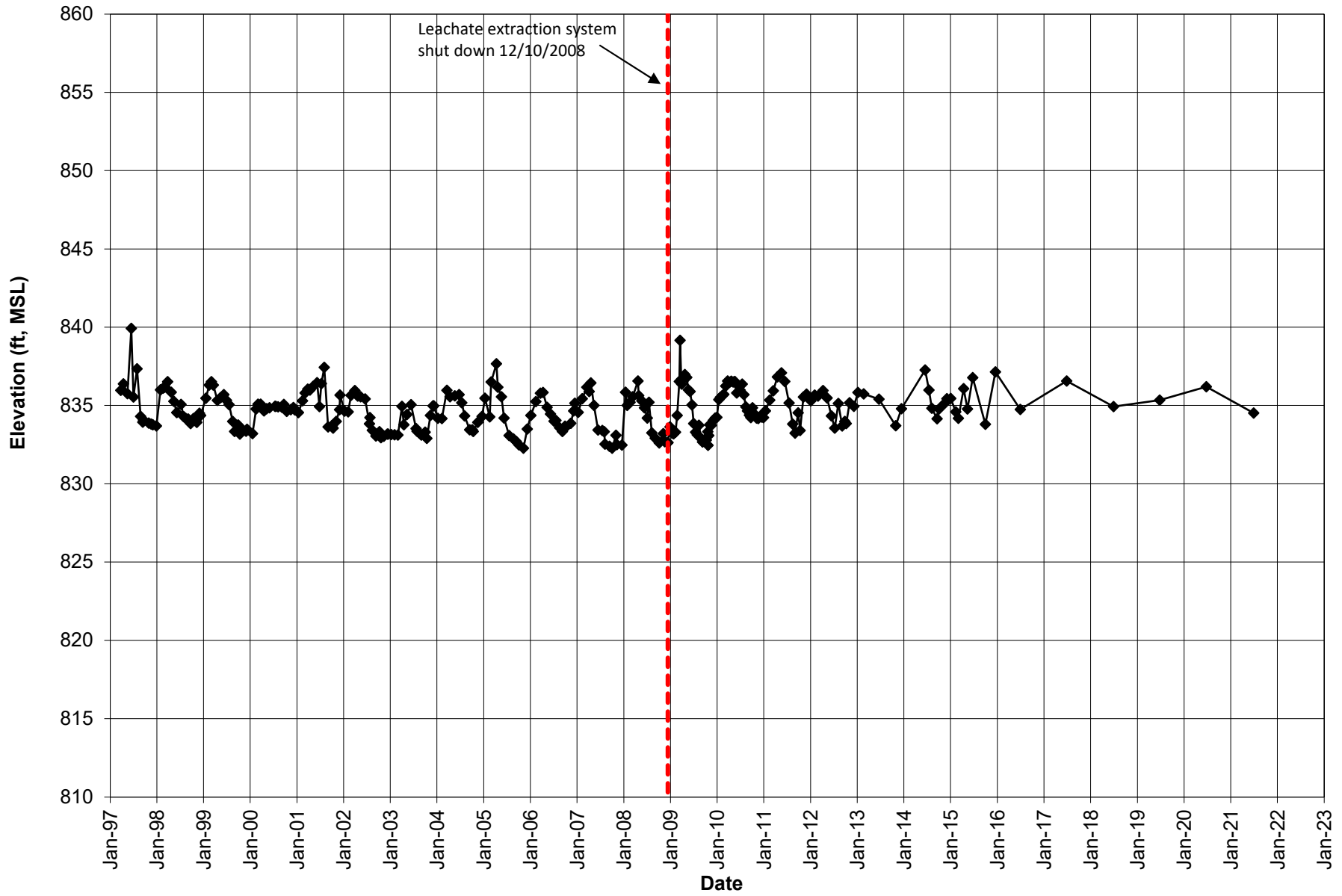
# Lemberger Landfill Leachate/Groundwater Head Levels LW-07



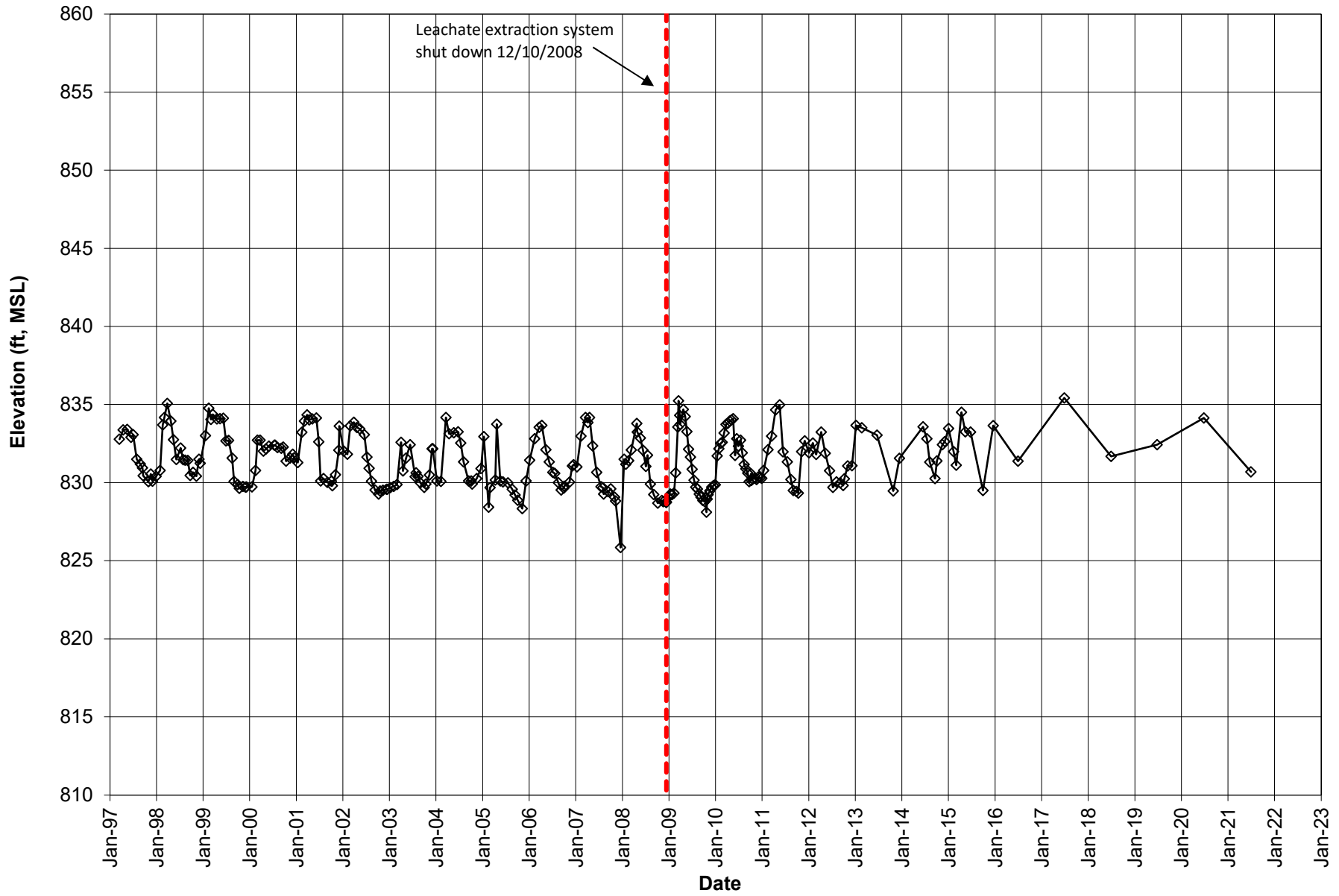
# Lemberger Landfill Leachate/Groundwater Head Levels RM-005S



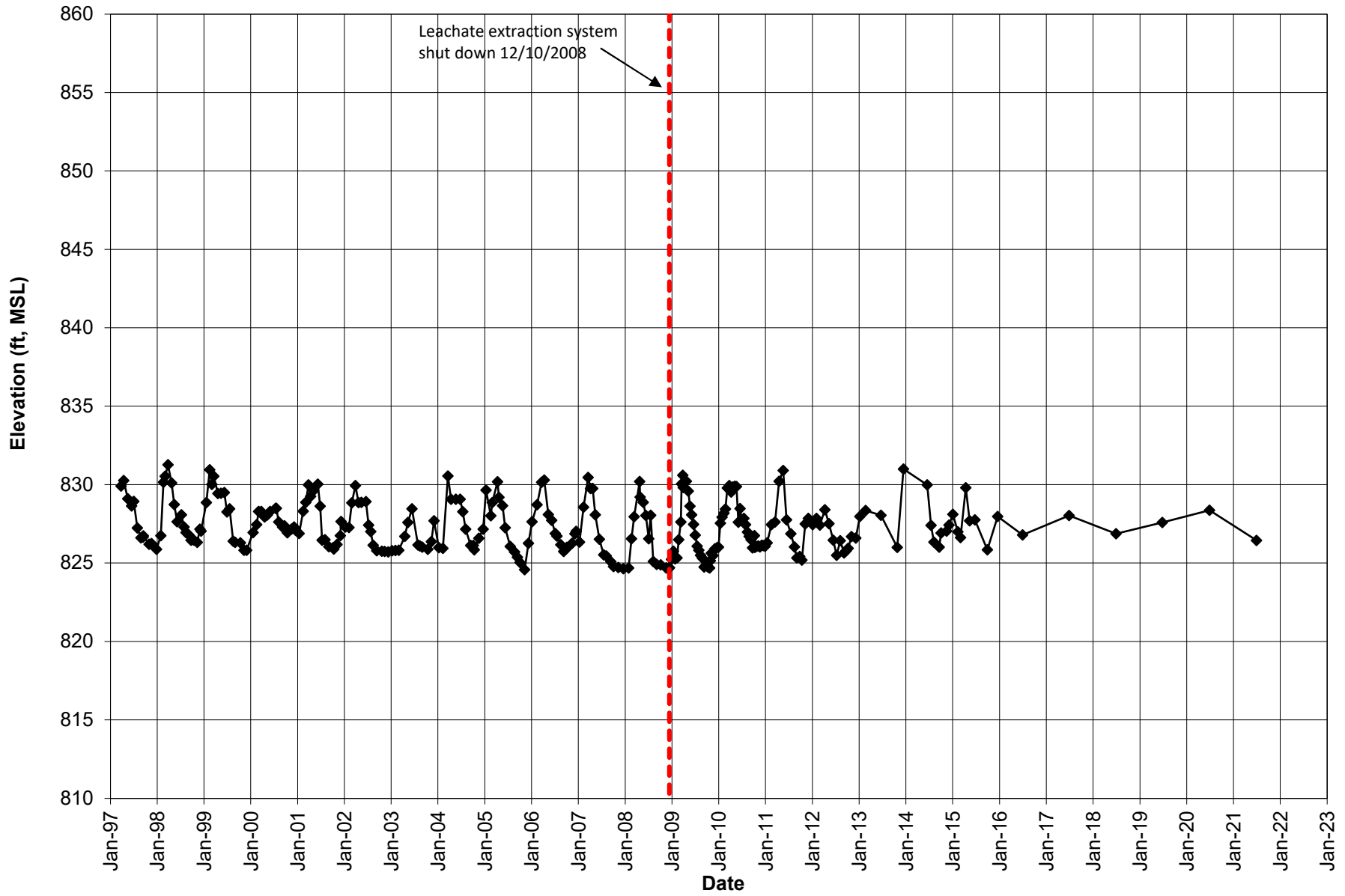
Lemberger Landfill  
Leachate/Groundwater Head Levels  
RM-206S



# Lemberger Landfill Leachate/Groundwater Head Levels RM-207S

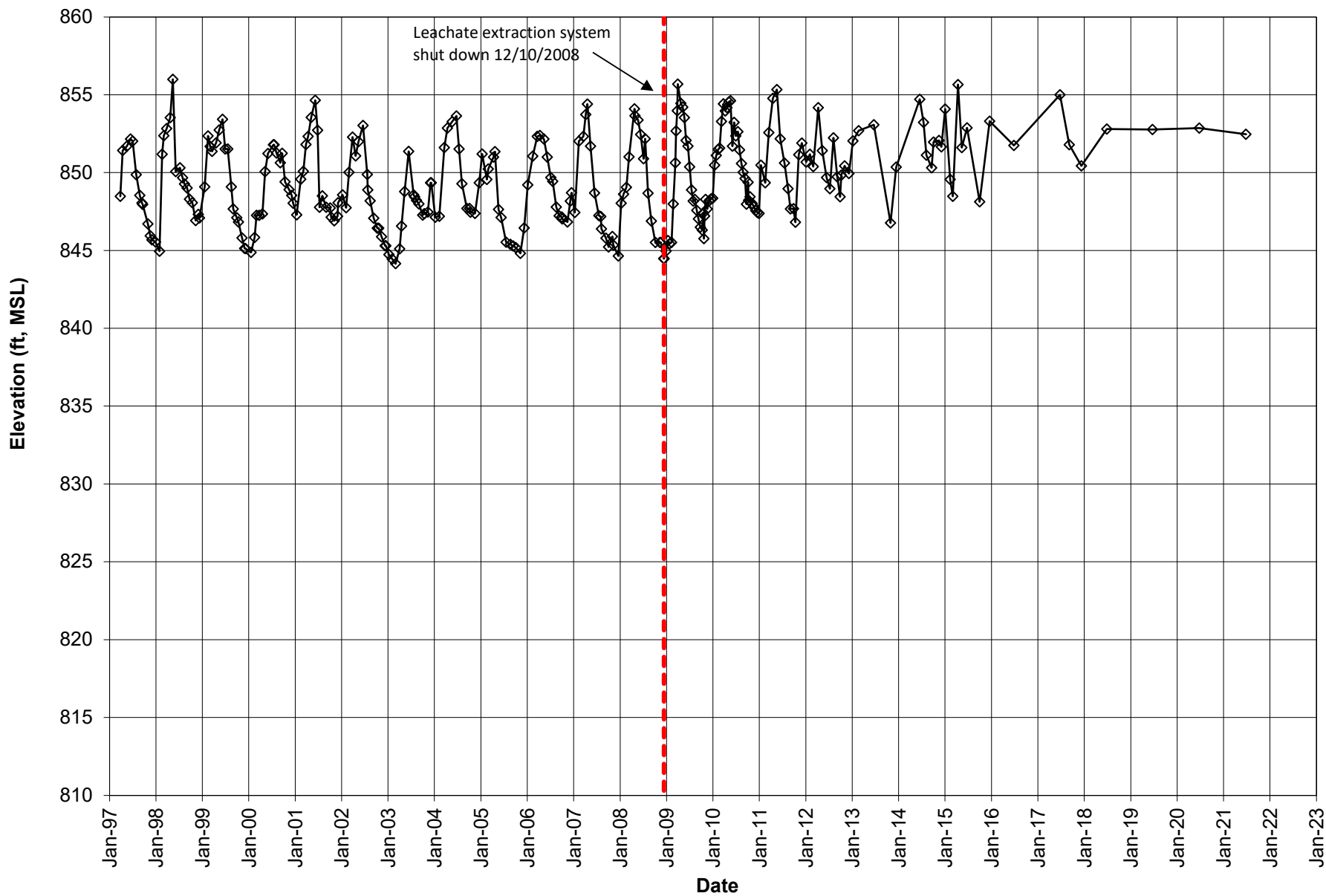


# Lemberger Landfill Leachate/Groundwater Head Levels RM-208S

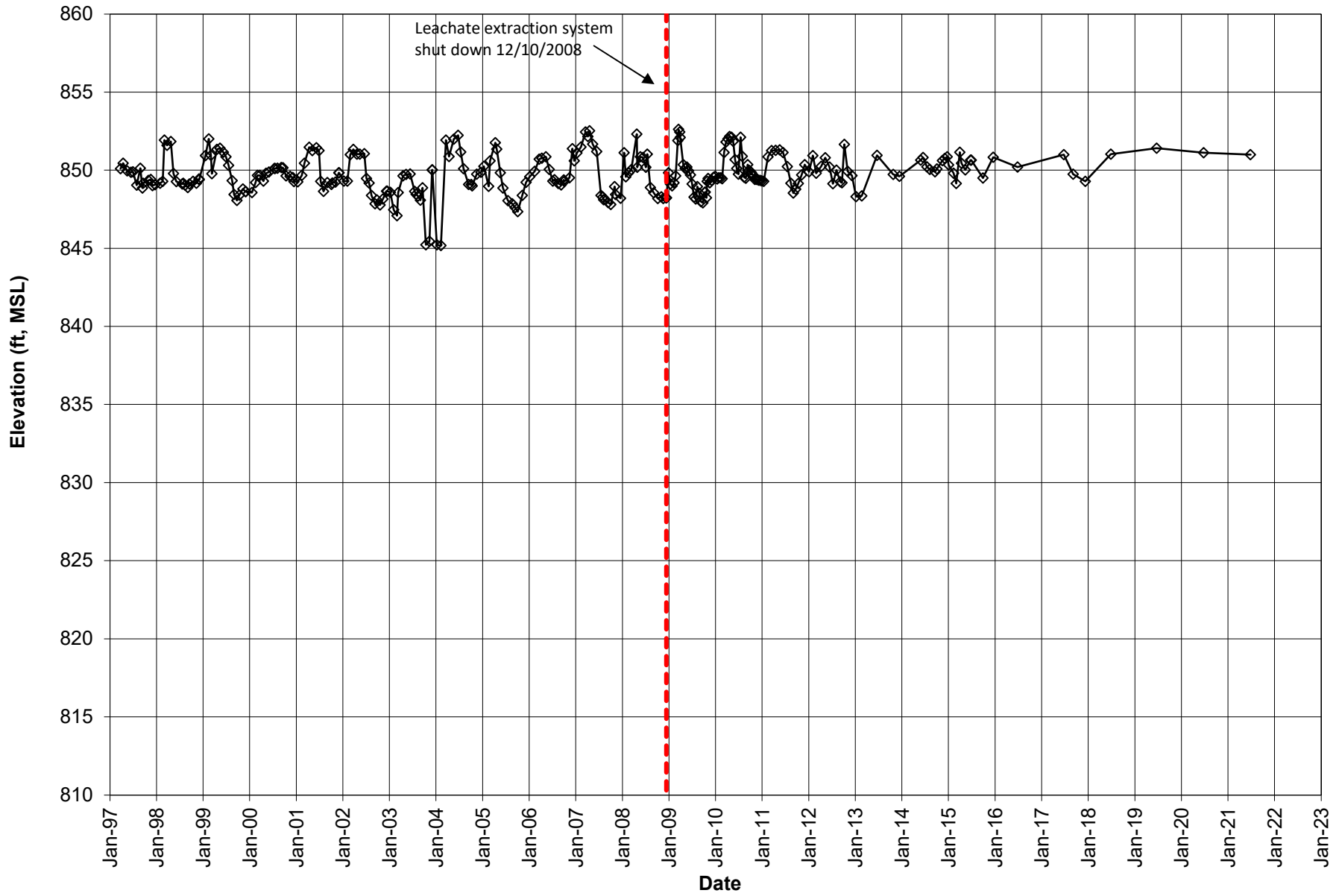




# Lemberger Landfill Leachate/Groundwater Head Levels RM-301S



Lemberger Landfill  
Leachate/Groundwater Head Levels  
RM-302S



**Appendix E: Groundwater Analytical Data –  
July 2020 through June 2021**

**LEMBERGER LANDFILL  
RESIDENTIAL WELL VOLATILE ORGANIC ANALYSIS RESULTS  
SEPTEMBER/OCTOBER 2020**

PARAMETER	UNITS	GR-08	GR-09	GR-10	GR-11	GR-12	GR-13
		9/30/2020 40215657005	9/30/2020 40215657006	9/30/2020 40215657003	10/18/2020 40216881002	9/30/2020 40215657002	9/29/2020 40215656004
1,1,1-TRICHLOROETHANE	UG/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-TRICHLOROETHANE	UG/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-DICHLOROETHANE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	0.37 J
1,1-DICHLOROETHENE	UG/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-DICHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-DICHLOROPROPANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-BUTANONE	UG/L	< 2.9 j	< 2.9 j	< 2.9 j	< 2.9	< 2.9 j	< 2.9 j
2-HEXANONE	UG/L	< 5.2 j	< 5.2 j	< 5.2 j	< 5.2	< 5.2 j	< 5.2 j
4-METHYL-2-PENTANONE	UG/L	< 4.6 j	< 4.6 j	< 4.6 j	< 4.6	< 4.6 j	< 4.6 j
ACETONE	UG/L	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7 j
BENZENE	UG/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
BROMODICHLOROMETHANE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
BROMOFORM	UG/L	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
BROMOMETHANE	UG/L	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
CARBON DISULFIDE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
CARBON TETRACHLORIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
CHLOROBENZENE	UG/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROFORM	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROMETHANE	UG/L	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
CIS-1,2-DICHLOROETHENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
CIS-1,3-DICHLOROPROPENE	UG/L	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
ETHYLBENZENE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
METHYLENE CHLORIDE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
STYRENE	UG/L	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
TETRACHLOROETHENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
TOLUENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
TRANS-1,3-DICHLOROPROPENE	UG/L	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
TRICHLOROETHENE	UG/L	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

**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

**LEMBERGER LANDFILL  
RESIDENTIAL WELL VOLATILE ORGANIC ANALYSIS RESULTS  
SEPTEMBER/OCTOBER 2020**

PARAMETER	UNITS	GR-14	GR-14 DUP	GR-16	GR-26	GR-30	GR-60R	GR-62
		10/18/2020 40216881003	10/18/2020 40216881007	10/18/2020 40216881004	9/29/2020 40215656002	10/18/2020 40216881006	9/29/2020 40215656001	9/30/2020 40215657004
1,1,1-TRICHLOROETHANE	UG/L	< 0.24	< 0.24	< 0.24	< 0.24	0.33 J	< 0.24	< 0.24
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28 j	< 0.28	< 0.28 j	< 0.28
1,1,2-TRICHLOROETHANE	UG/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-DICHLOROETHANE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1-DICHLOROETHENE	UG/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-DICHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-DICHLOROPROPANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-BUTANONE	UG/L	< 2.9	< 2.9	< 2.9	< 2.9 j	< 2.9	< 2.9 j	< 2.9 j
2-HEXANONE	UG/L	< 5.2	< 5.2	< 5.2	< 5.2 j	< 5.2	< 5.2 j	< 5.2 j
4-METHYL-2-PENTANONE	UG/L	< 4.6	< 4.6	< 4.6	< 4.6 j	< 4.6	< 4.6 j	< 4.6 j
ACETONE	UG/L	< 2.7	< 2.7	< 2.7	< 2.7 j	< 2.7	< 2.7 j	< 2.7
BENZENE	UG/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
BROMODICHLOROMETHANE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
BROMOFORM	UG/L	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
BROMOMETHANE	UG/L	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
CARBON DISULFIDE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
CARBON TETRACHLORIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
CHLOROBENZENE	UG/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROFORM	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROMETHANE	UG/L	< 2.2	< 2.2	< 2.2	< 2.2 j	< 2.2	< 2.2 j	< 2.2
CIS-1,2-DICHLOROETHENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
CIS-1,3-DICHLOROPROPENE	UG/L	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
ETHYLBENZENE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
METHYLENE CHLORIDE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
STYRENE	UG/L	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
TETRACHLOROETHENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33
TOLUENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
TRANS-1,3-DICHLOROPROPENE	UG/L	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
TRICHLOROETHENE	UG/L	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

**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

**LEMBERGER LANDFILL  
RESIDENTIAL WELL VOLATILE ORGANIC ANALYSIS RESULTS  
SEPTEMBER/OCTOBER 2020**

PARAMETER	UNITS	GR-63	GR-63 DUP	GR-64	GR-65	GR-66	GR-73	GR-74
		9/29/2020 40215656005	9/29/2020 40215656006	9/30/2020 40215657007	9/30/2020 40215657001	10/18/2020 40216881001	9/29/2020 40215656003	10/18/2020 40216881005
1,1,1-TRICHLOROETHANE	UG/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-TRICHLOROETHANE	UG/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-DICHLOROETHANE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
1,1-DICHLOROETHENE	UG/L	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24
1,2-DICHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-DICHLOROPROPANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-BUTANONE	UG/L	< 2.9 j	< 2.9 j	< 2.9 j	< 2.9 j	< 2.9	< 2.9 j	< 2.9
2-HEXANONE	UG/L	< 5.2 j	< 5.2 j	< 5.2 j	< 5.2 j	< 5.2	< 5.2	< 5.2
4-METHYL-2-PENTANONE	UG/L	< 4.6 j	< 4.6 j	< 4.6 j	< 4.6 j	< 4.6	< 4.6	< 4.6
ACETONE	UG/L	< 2.7 j	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7	< 2.7
BENZENE	UG/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
BROMODICHLOROMETHANE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
BROMOFORM	UG/L	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
BROMOMETHANE	UG/L	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
CARBON DISULFIDE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
CARBON TETRACHLORIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
CHLOROBENZENE	UG/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROFORM	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROMETHANE	UG/L	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2	< 2.2
CIS-1,2-DICHLOROETHENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
CIS-1,3-DICHLOROPROPENE	UG/L	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
ETHYLBENZENE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
METHYLENE CHLORIDE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
STYRENE	UG/L	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
TETRACHLOROETHENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33 j	< 0.33
TOLUENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
TRANS-1,3-DICHLOROPROPENE	UG/L	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
TRICHLOROETHENE	UG/L	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

**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

**LEMBERGER LANDFILL  
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS  
SEPTEMBER/OCTOBER 2020**

PARAMETER	UNITS	OW-104F	RM-002D	RM-003D	RM-003XXD	RM-005D	RM-007D	RM-007XD	RM-007XD DUP
		10/27/2020 40217355006	9/28/2020 40215658006	9/27/2020 40215658003	9/27/2020 40215658004	10/26/2020 40217355002	10/30/2020 40217549002	10/30/2020 40217549003	10/30/2020 40217549005
1,1,1-TRICHLOROETHANE	UG/L	6.5	5.9	35.3	2.6	19.7	215	207	208
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.28	< 0.28 j	< 0.28 j	< 0.28 j	< 0.28	< 0.69	< 0.28	< 0.28
1,1,2-TRICHLOROETHANE	UG/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 1.4	< 0.55	< 0.55
1,1-DICHLOROETHANE	UG/L	2.7	6.3	23.9	0.64 J	10.7	155	143	147
1,1-DICHLOROETHENE	UG/L	1.4	0.80 J	3.9	< 0.24	3.1	14.2	23.8	23.5
1,2-DICHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.70	< 0.28	< 0.28
1,2-DICHLOROPROPANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.71	< 0.28	< 0.28
2-BUTANONE	UG/L	< 2.9	< 2.9 j	< 2.9 j	< 2.9 j	< 2.9	< 7.3	< 2.9	< 2.9
2-HEXANONE	UG/L	< 5.2 j	< 5.2 j	< 5.2 j	< 5.2 j	< 5.2 j	< 13.0	< 5.2	< 5.2
4-METHYL-2-PENTANONE	UG/L	< 4.6 j	< 4.6 j	< 4.6 j	< 4.6 j	< 4.6 j	< 11.6	< 4.6	< 4.6
ACETONE	UG/L	< 2.7 j	< 2.7 j	< 2.7 j	< 2.7 j	< 2.7 j	< 6.9	< 2.7	< 2.7
BENZENE	UG/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.62	< 0.25	< 0.25
BROMODICHLOROMETHANE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.91	< 0.36	< 0.36
BROMOFORM	UG/L	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 9.9	< 4.0	< 4.0
BROMOMETHANE	UG/L	< 0.97	< 0.97	< 0.97	< 0.97 j	< 0.97	< 2.4	< 0.97	< 0.97
CARBON DISULFIDE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 1.1	< 0.45	< 0.45
CARBON TETRACHLORIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 2.7	< 1.1	< 1.1
CHLOROBENZENE	UG/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 1.8	< 0.71	< 0.71
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 6.5	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.3 j	< 1.3	< 1.3	< 1.3	< 1.3 j	< 3.4	< 1.3	< 1.3
CHLOROFORM	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 3.2	< 1.3	< 1.3
CHLOROMETHANE	UG/L	< 2.2 j	< 2.2 j	< 2.2 j	< 2.2	< 2.2 j	< 5.5	< 2.2	< 2.2
CIS-1,2-DICHLOROETHENE	UG/L	2.3	1.5	8.8	0.36 J	7.3	48.8	62.3	63.1
CIS-1,3-DICHLOROPROPENE	UG/L	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 9.1	< 3.6	< 3.6
ETHYLBENZENE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.80	< 0.32	< 0.32
METHYLENE CHLORIDE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 1.5	< 0.58	< 0.58
STYRENE	UG/L	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 7.5	< 3.0	< 3.0
TETRACHLOROETHENE	UG/L	< 0.33	< 0.33	0.37 J	< 0.33	< 0.33	2.8 j	2.4 j	2.4 j
TOLUENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.67	< 0.27	< 0.27
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 1.2	< 0.46	< 0.46
TRANS-1,3-DICHLOROPROPENE	UG/L	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 10.9	< 4.4	< 4.4
TRICHLOROETHENE	UG/L	3.3	1.5	6.1	0.59 J	3.8	43.6	43.3	44.4
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.44	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 3.8	< 1.5	< 1.5

**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 VOLATILE ORGANIC ANALYSIS RESULTS  
SEPTEMBER/OCTOBER 2020**

PARAMETER	UNITS	RM-007XXD	RM-008D	RM-101D	RM-102D	RM-202D	RM-203D	RM-204D	RM-208D
		10/30/2020 40217549001	10/31/2020 40217549008	10/29/2020 40217549015	10/27/2020 40217355008	10/28/2020 40217355010	10/27/2020 40217355007	10/30/2020 40217549004	10/26/2020 40217355004
1,1,1-TRICHLOROETHANE	UG/L	< 0.24	18.9	3.1	< 0.24	< 0.24	0.43 J	11.5	14.6
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-TRICHLOROETHANE	UG/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-DICHLOROETHANE	UG/L	< 0.27	7.8	2.0	< 0.27	< 0.27	< 0.27	6.7	7.7
1,1-DICHLOROETHENE	UG/L	< 0.24	1.1	0.34 J	< 0.24	< 0.24	< 0.24	1.0	2.1
1,2-DICHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-DICHLOROPROPANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-BUTANONE	UG/L	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9
2-HEXANONE	UG/L	< 5.2	< 5.2	< 5.2	< 5.2 j	< 5.2 j	< 5.2 j	< 5.2	< 5.2 j
4-METHYL-2-PENTANONE	UG/L	< 4.6	< 4.6	< 4.6	< 4.6 j	< 4.6 j	< 4.6 j	< 4.6	< 4.6 j
ACETONE	UG/L	< 2.7	< 2.7	< 2.7	< 2.7 j	< 2.7 j	< 2.7 j	< 2.7	< 2.7 j
BENZENE	UG/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
BROMODICHLOROMETHANE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
BROMOFORM	UG/L	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
BROMOMETHANE	UG/L	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
CARBON DISULFIDE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
CARBON TETRACHLORIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
CHLOROBENZENE	UG/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.3	< 1.3	< 1.3	< 1.3 j	< 1.3 j	< 1.3 j	< 1.3	< 1.3 j
CHLOROFORM	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROMETHANE	UG/L	< 2.2	< 2.2	< 2.2	< 2.2 j	< 2.2 j	< 2.2 j	< 2.2	< 2.2 j
CIS-1,2-DICHLOROETHENE	UG/L	< 0.27	4.9	0.35 J	< 0.27	< 0.27	< 0.27	1.8	4.9
CIS-1,3-DICHLOROPROPENE	UG/L	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
ETHYLBENZENE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
METHYLENE CHLORIDE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
STYRENE	UG/L	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
TETRACHLOROETHENE	UG/L	< 0.33 j	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33 j	< 0.33
TOLUENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
TRANS-1,3-DICHLOROPROPENE	UG/L	< 4.4	< 4.4 j	< 4.4 j	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
TRICHLOROETHENE	UG/L	< 0.26	4.0	0.85 J	< 0.26	< 0.26	< 0.26	1.7	3.2
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

**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 2020**

PARAMETER	UNITS	RM-208XD	RM-210D	RM-211D	RM-212D	RM-213D	RM-213XD	RM-214D	RM-303D
		10/26/2020 40217355003	9/28/2020 40215658007	10/27/2020 40217355009	10/31/2020 40217549009	10/28/2020 40217355013	10/28/2020 40217355012	10/28/2020 40217355011	10/29/2020 40217549012
1,1,1-TRICHLOROETHANE	UG/L	< 0.24	7.2	6.3	< 0.24	2.4	15.9	9.3	191
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.28	< 0.28 j	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.55
1,1,2-TRICHLOROETHANE	UG/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 1.1
1,1-DICHLOROETHANE	UG/L	< 0.27	4.9	2.5	< 0.27	0.29 J	5.9	4.8	146
1,1-DICHLOROETHENE	UG/L	< 0.24	0.98 J	0.45 J	< 0.24	< 0.24	2.5	0.58 J	6.5
1,2-DICHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.56
1,2-DICHLOROPROPANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.57
2-BUTANONE	UG/L	< 2.9	< 2.9 j	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9	< 5.9
2-HEXANONE	UG/L	< 5.2 j	< 5.2 j	< 5.2 j	< 5.2	< 5.2	< 5.2	< 5.2 j	< 10.4
4-METHYL-2-PENTANONE	UG/L	< 4.6 j	< 4.6 j	< 4.6 j	< 4.6	< 4.6 j	< 4.6 j	< 4.6 j	< 9.3
ACETONE	UG/L	< 2.7 j	< 2.7 j	< 2.7 j	< 2.7	< 2.7	< 2.7	< 2.7 j	< 5.5
BENZENE	UG/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.49
BROMODICHLOROMETHANE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.73
BROMOFORM	UG/L	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 7.9
BROMOMETHANE	UG/L	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 1.9
CARBON DISULFIDE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.90
CARBON TETRACHLORIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 2.2
CHLOROBENZENE	UG/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 1.4
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 5.2
CHLOROETHANE	UG/L	< 1.3 j	< 1.3	< 1.3 j	< 1.3	< 1.3	< 1.3	< 1.3 j	< 2.7
CHLOROFORM	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 2.5
CHLOROMETHANE	UG/L	< 2.2 j	< 2.2 j	< 2.2 j	< 2.2	< 2.2	< 2.2	< 2.2 j	< 4.4
CIS-1,2-DICHLOROETHENE	UG/L	< 0.27	2.1	0.62 J	< 0.27	< 0.27	4.2	15.9	59.0
CIS-1,3-DICHLOROPROPENE	UG/L	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 7.3
ETHYLBENZENE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.64
METHYLENE CHLORIDE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 1.2
STYRENE	UG/L	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 6.0
TETRACHLOROETHENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	1.6 Jj
TOLUENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.54
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.93
TRANS-1,3-DICHLOROPROPENE	UG/L	< 4.4	< 4.4	< 4.4	< 4.4 j	< 4.4	< 4.4	< 4.4	< 8.7
TRICHLOROETHENE	UG/L	< 0.26	1.7	1.1	< 0.26	0.36 J	3.0	3.0	55.0
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	0.49 J	< 0.35
XYLENE, TOTAL	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 3.0

**NOTES:**

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Data Validation Qualifiers:

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**LEMBERGER LANDFILL  
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS  
SEPTEMBER/OCTOBER 2020**

PARAMETER	UNITS	RM-306D	RM-307D	RM-401XD	RM-401XD DUP	RM-401XXD	RM-401XXD DUP	RM-402XD	RM-402XXD
		10/29/2020 40217549013	10/29/2020 40217549014	10/26/2020 40217355001	10/26/2020 40217355005	9/28/2020 40215658005	9/28/2020 40215658009	10/31/2020 40217549007	10/31/2020 40217549006
1,1,1-TRICHLOROETHANE	UG/L	18.7	68.6	21.3	21.8	8.7	9.0	101	28.0
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28 j	< 0.28 j	< 0.28	< 0.28
1,1,2-TRICHLOROETHANE	UG/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-DICHLOROETHANE	UG/L	1.8	18.0	11.6	12.0	8.6	8.6	34.9	14.7
1,1-DICHLOROETHENE	UG/L	0.98 J	2.7	3.3	3.2	4.2	4.3	19.0	2.8
1,2-DICHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-DICHLOROPROPANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-BUTANONE	UG/L	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9 j	< 2.9 j	< 2.9	< 2.9
2-HEXANONE	UG/L	< 5.2	< 5.2	< 5.2 j	< 5.2 j	< 5.2 j	< 5.2 j	< 5.2	< 5.2
4-METHYL-2-PENTANONE	UG/L	< 4.6	< 4.6	< 4.6 j	< 4.6 j	< 4.6 j	< 4.6 j	< 4.6	< 4.6
ACETONE	UG/L	< 2.7	< 2.7	< 2.7 j	< 2.7 j	< 2.7 j	< 2.7 j	< 2.7	< 2.7
BENZENE	UG/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
BROMODICHLOROMETHANE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
BROMOFORM	UG/L	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
BROMOMETHANE	UG/L	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
CARBON DISULFIDE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
CARBON TETRACHLORIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
CHLOROBENZENE	UG/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.3	< 1.3	< 1.3 j	< 1.3 j	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROFORM	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROMETHANE	UG/L	< 2.2	< 2.2	< 2.2 j	< 2.2 j	< 2.2 j	< 2.2 j	< 2.2	< 2.2
CIS-1,2-DICHLOROETHENE	UG/L	< 0.27	2.8	7.0	7.1	11.6	11.6	17.3	7.3
CIS-1,3-DICHLOROPROPENE	UG/L	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
ETHYLBENZENE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
METHYLENE CHLORIDE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
STYRENE	UG/L	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
TETRACHLOROETHENE	UG/L	< 0.33	0.71 Jj	< 0.33	< 0.33	< 0.33	< 0.33	0.82 J	< 0.33 j
TOLUENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
TRANS-1,3-DICHLOROPROPENE	UG/L	< 4.4 j	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4 j	< 4.4
TRICHLOROETHENE	UG/L	1.7	9.0	4.0	4.1	1.9	1.8	12.8	6.0
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

**NOTES:**

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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  
SEPTEMBER/OCTOBER 2020**

PARAMETER	UNITS	RM-403XD	RM-404XXD
		9/27/2020 40215658001	9/27/2020 40215658002
1,1,1-TRICHLOROETHANE	UG/L	92.3	0.83 J
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.28 j	< 0.28 j
1,1,2-TRICHLOROETHANE	UG/L	< 0.55	< 0.55
1,1-DICHLOROETHANE	UG/L	66.4	< 0.27
1,1-DICHLOROETHENE	UG/L	5.8	< 0.24
1,2-DICHLOROETHANE	UG/L	< 0.28	< 0.28
1,2-DICHLOROPROPANE	UG/L	< 0.28	< 0.28
2-BUTANONE	UG/L	< 2.9 j	< 2.9 j
2-HEXANONE	UG/L	< 5.2 j	< 5.2 j
4-METHYL-2-PENTANONE	UG/L	< 4.6 j	< 4.6 j
ACETONE	UG/L	< 2.7 j	< 2.7 j
BENZENE	UG/L	< 0.25	< 0.25
BROMODICHLOROMETHANE	UG/L	< 0.36	< 0.36
BROMOFORM	UG/L	< 4.0	< 4.0
BROMOMETHANE	UG/L	< 0.97	< 0.97
CARBON DISULFIDE	UG/L	< 0.45	< 0.45
CARBON TETRACHLORIDE	UG/L	< 1.1	< 1.1
CHLOROBENZENE	UG/L	< 0.71	< 0.71
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6
CHLOROETHANE	UG/L	27.4	< 1.3
CHLOROFORM	UG/L	< 1.3	< 1.3
CHLOROMETHANE	UG/L	< 2.2 j	< 2.2 j
CIS-1,2-DICHLOROETHENE	UG/L	12.1	< 0.27
CIS-1,3-DICHLOROPROPENE	UG/L	< 3.6	< 3.6
ETHYLBENZENE	UG/L	< 0.32	< 0.32
METHYLENE CHLORIDE	UG/L	< 0.58	< 0.58
STYRENE	UG/L	< 3.0	< 3.0
TETRACHLOROETHENE	UG/L	1.2	< 0.33
TOLUENE	UG/L	< 0.27	< 0.27
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.46	< 0.46
TRANS-1,3-DICHLOROPROPENE	UG/L	< 4.4	< 4.4
TRICHLOROETHENE	UG/L	15.8	< 0.26
VINYL CHLORIDE	UG/L	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.5	< 1.5

**NOTES:**

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**LEMBERGER LANDFILL  
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA  
SEPTEMBER/OCTOBER 2020**

PARAMETER	UNITS	OW-104F	RM-002D	RM-003D	RM-003XD	RM-004D	RM-005D	RM-007D	RM-007XD
		10/27/2020 40217355006	9/28/2020 40215658006	9/27/2020 40215658003	9/27/2020 40215658004	9/27/2020 W200927001	10/26/2020 40217355002	10/30/2020 40217549002	10/30/2020 40217549003
ALKALINITY AS CaCO <sub>3</sub> , TOTAL	MG/L	290	320 j-		317 j-			481	444
CHLORIDE	MG/L	8.3	12.7		33.0			9.4	8.0 j
COLOR, FIELD		NONE	NONE	NONE	NONE		NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	595	552	783	712		806	1102	975
DEPTH TO WATER	FEET	36.10	23.91	16.11	14.00	54.38	40.93	36.56	36.96
DISSOLVED OXYGEN, FIELD	MG/L	0.50	3.57	1.43	1.31		2.38	2.45	2.28
IRON, TOTAL	UG/L	171 J	< 58.0		< 58.0			145 J	< 58.0
MANGANESE, TOTAL	UG/L	6.7	22.6		1.3 JBUj			17.2	< 1.2
NITROGEN, NITRATE + NITRITE	MG/L	1.8	1.6		6.0			1.6	1.3
ODOR, FIELD		NONE	NONE	NONE	NONE		NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	71	57	158	183		134	132	138
PH, FIELD	SU	7.76	7.32	7.38	7.52		7.56	7.09	7.14
SULFATE, TOTAL	MG/L	22.7	37.2		27.8			146	107
TEMPERATURE	DEG C	3.8	8.4	9.1	8.9		9.6	7.2	8.5
TOTAL ORGANIC CARBON AS NPOC	MG/L	0.70 j+	1.2 j+		1.1 j+			2.1 j+	1.5 j+
TURBIDITY, FIELD NTU	NTU	8	6	0	0		0	8	0
WATER ELEVATION	FEET	792.64	791.8	804.02	807.53	804.71	802.15	807.14	807.23

NOTES:

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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  
SEPTEMBER/OCTOBER 2020**

PARAMETER	UNITS	RM-007XD DUP	RM-007XXD	RM-008D	RM-010D	RM-101D	RM-102D	RM-202D
		10/30/2020 40217549005	10/30/2020 40217549001	10/31/2020 40217549008	9/27/2020 W200927002	10/29/2020 40217549015	10/27/2020 40217355008	10/28/2020 40217355010
ALKALINITY AS CaCO <sub>3</sub> , TOTAL	MG/L	443					312	
CHLORIDE	MG/L	11.2 j					14.2	
COLOR, FIELD			NONE	NONE		NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM		610	892		689	700	599
DEPTH TO WATER	FEET		38.04	37.84	45.23	12.45	34.04	9.33
DISSOLVED OXYGEN, FIELD	MG/L		0.29	5.92		1.97	4.23	0.23
IRON, TOTAL	UG/L	< 58.0					81.2 J	
MANGANESE, TOTAL	UG/L	< 1.2					1.4 J	
NITROGEN, NITRATE + NITRITE	MG/L	1.3					12.2	
ODOR, FIELD			NONE	NONE		NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV		-156	141		181	145	-209
PH, FIELD	SU		7.55	7.29		7.79	7.43	7.80
SULFATE, TOTAL	MG/L	108					8.8	
TEMPERATURE	DEG C		6.9	3.6		8.7	5.9	8.2
TOTAL ORGANIC CARBON AS NPOC	MG/L	1.5 j+					1.9 j+	
TURBIDITY, FIELD NTU	NTU		0	0		0	7	6
WATER ELEVATION	FEET		806.64	807.64	804.34	806.8	840.08	804.25

NOTES:

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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  
SEPTEMBER/OCTOBER 2020**

PARAMETER	UNITS	RM-203D	RM-204D	RM-208D	RM-208XD	RM-210D	RM-211D	RM-212D
		10/27/2020 40217355007	10/30/2020 40217549004	10/26/2020 40217355004	10/26/2020 40217355003	9/28/2020 40215658007	10/27/2020 40217355009	10/31/2020 40217549009
ALKALINITY AS CaCO <sub>3</sub> , TOTAL	MG/L	354	338			351 j-		
CHLORIDE	MG/L	29.4	13.3			16.9		
COLOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	800	728	758	634	771	714	629
DEPTH TO WATER	FEET	31.88	27.59	30.12	30.22	25.79	15.64	9.02
DISSOLVED OXYGEN, FIELD	MG/L	4.47	0.62	2.38	0.31	0.69	2.46	0.16
IRON, TOTAL	UG/L	127 J	< 58.0			117 J		
MANGANESE, TOTAL	UG/L	2.5 J	1.5 J			13.1 Bj+		
NITROGEN, NITRATE + NITRITE	MG/L	8.9	3.5			3.8		
ODOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	96	115	217	150	113	154	62
PH, FIELD	SU	7.65	7.37	7.45	7.55	7.25	7.41	7.72
SULFATE, TOTAL	MG/L	20.0	30.8			39.1		
TEMPERATURE	DEG C	7.4	4.2	8.1	8.8	7.8	7.1	6.8
TOTAL ORGANIC CARBON AS NPOC	MG/L	1.2 j+	0.94 j+			0.83 j+		
TURBIDITY, FIELD NTU	NTU	7	6	0	0	6	0	5
WATER ELEVATION	FEET	792	800.89	809.79	807	802.07	804.71	806.64

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

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  
SEPTEMBER/OCTOBER 2020**

PARAMETER	UNITS	RM-213D	RM-213XD	RM-214D	RM-303D	RM-305D	RM-306D	RM-307D
		10/28/2020 40217355013	10/28/2020 40217355012	10/28/2020 40217355011	10/29/2020 40217549012	9/27/2020 W200927003	10/29/2020 40217549013	10/29/2020 40217549014
ALKALINITY AS CaCO <sub>3</sub> , TOTAL	MG/L							
CHLORIDE	MG/L							
COLOR, FIELD		NONE	NONE	NONE	NONE		NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	989	1053	966	919		660	759
DEPTH TO WATER	FEET	34.52	35.39	46.00	49.02	53.44	42.29	46.67
DISSOLVED OXYGEN, FIELD	MG/L	4.30	2.83	0.39	0.90		5.28	4.13
IRON, TOTAL	UG/L							
MANGANESE, TOTAL	UG/L							
NITROGEN, NITRATE + NITRITE	MG/L							
ODOR, FIELD		NONE	NONE	NONE	NONE		NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	231	156	96	123		185	138
PH, FIELD	SU	7.34	7.47	7.41	7.33		7.36	7.43
SULFATE, TOTAL	MG/L							
TEMPERATURE	DEG C	7.3	8.6	5.1	6.9		7.9	7.9
TOTAL ORGANIC CARBON AS NPOC	MG/L							
TURBIDITY, FIELD NTU	NTU	7	7	9	28		7	6
WATER ELEVATION	FEET	806.71	807.31	807.48	816.03	814.51	813.93	807.27

NOTES:

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**LEMBERGER LANDFILL  
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA  
SEPTEMBER/OCTOBER 2020**

		RM-401XD 10/26/2020 40217355001	RM-401XXD 9/28/2020 40215658005	RM-401XXD DUP 9/28/2020 40215658009	RM-402XD 10/31/2020 40217549007	RM-402XXD 10/31/2020 40217549006	RM-403XD 9/27/2020 40215658001	RM-404XXD 9/27/2020 40215658002
ALKALINITY AS CaCO <sub>3</sub> , TOTAL	MG/L		297 j-	298 j-	379			346 M0j-
CHLORIDE	MG/L		38.9	38.8	17.9			13.7
COLOR, FIELD		NONE	NONE		NONE	NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	795	729		1207	841	878	736
DEPTH TO WATER	FEET	30.47	25.30		34.64	35.05	37.15	54.21
DISSOLVED OXYGEN, FIELD	MG/L	2.28	2.03		2.93	4.98	1.70	2.43
IRON, TOTAL	UG/L		< 58.0	< 58.0	< 58.0			< 58.0
MANGANESE, TOTAL	UG/L		< 1.2	< 1.2	< 1.2			4.8 Bj+
NITROGEN, NITRATE + NITRITE	MG/L		9.3	9.4	5.5			4.4
ODOR, FIELD		NONE	NONE		NONE	NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	160	205		171	174	158	216
PH, FIELD	SU	7.62	7.39		7.22	7.30	7.35	7.54
SULFATE, TOTAL	MG/L		22.5	22.6	253			47.4
TEMPERATURE	DEG C	8.6	8.8		4.2	3.9	9.0	9.8
TOTAL ORGANIC CARBON AS NPOC	MG/L		0.92 j+	0.89 j+	1.7 j+			1.0 j+
TURBIDITY, FIELD NTU	NTU	2	0		0	0	0	5
WATER ELEVATION	FEET	803.13	807.55		807.43	807.17	807.35	807.45

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

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

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**LEMBERGER LANDFILL  
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS  
DECEMBER 2020**

PARAMETER	UNITS	RM-002D	RM-003D	RM-003D DUP	RM-003XXD	RM-210D	RM-401XXD	RM-403XD	RM-404XXD
		12/17/2020 40220035007	12/16/2020 40220035003	12/16/2020 40220035004	12/16/2020 40220035002	12/17/2020 40220035008	12/17/2020 40220035006	12/17/2020 40220035005	12/16/2020 40220035001
1,1,1-TRICHLOROETHANE	UG/L	6.7	28.1	28.6	2.6	6.6	5.8	85.2	0.66 J
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-TRICHLOROETHANE	UG/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-DICHLOROETHANE	UG/L	4.4 j	15.7	16.1	0.70 J	2.8 j	3.7	46.6	< 0.27
1,1-DICHLOROETHENE	UG/L	0.72 J	3.4	3.6	0.27 J	0.74 J	2.7	7.3	< 0.24
1,2-DICHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28 j	< 0.28	< 0.28	< 0.28
1,2-DICHLOROPROPANE	UG/L	< 0.28 M1j	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-BUTANONE	UG/L	< 2.9	< 2.9	< 2.9	< 2.9	< 2.9 j	< 2.9	< 2.9	< 2.9
2-HEXANONE	UG/L	< 5.2	< 5.2	< 5.2	< 5.2	< 5.2	< 5.2	< 5.2	< 5.2
4-METHYL-2-PENTANONE	UG/L	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6	< 4.6
ACETONE	UG/L	< 2.7 j	< 2.7	< 2.7	< 2.7	< 2.7 j	< 2.7	< 2.7	< 2.7
BENZENE	UG/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
BROMODICHLOROMETHANE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
BROMOFORM	UG/L	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
BROMOMETHANE	UG/L	< 0.97	< 0.97 j	< 0.97 j	< 0.97 j	< 0.97 j	< 0.97 j	< 0.97 j	< 0.97 j
CARBON DISULFIDE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
CARBON TETRACHLORIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
CHLOROBENZENE	UG/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROFORM	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROMETHANE	UG/L	< 2.2	< 2.2 j	< 2.2 j	< 2.2 j	< 2.2	< 2.2 j	< 2.2 j	< 2.2 j
CIS-1,2-DICHLOROETHENE	UG/L	1.1	7.0	7.1	0.47 J	1.4 j	6.9	13.5	< 0.27
CIS-1,3-DICHLOROPROPENE	UG/L	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
ETHYLBENZENE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
METHYLENE CHLORIDE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58 j	< 0.58	< 0.58	< 0.58
STYRENE	UG/L	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
TETRACHLOROETHENE	UG/L	< 0.33	0.33 J	< 0.33	< 0.33	< 0.33	< 0.33	1.1	< 0.33
TOLUENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46 j	< 0.46	< 0.46	< 0.46
TRANS-1,3-DICHLOROPROPENE	UG/L	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
TRICHLOROETHENE	UG/L	1.8	5.3	5.5	0.79 J	1.3	1.5	15.9	0.29 J
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

**NOTES:**

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

Data Validation Qualifiers:

j = the result is estimated

**LEMBERGER LANDFILL  
MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA  
DECEMBER 2020**

PARAMETER	UNITS	RM-002D	RM-003D	RM-003XXD	RM-210D	RM-401XXD	RM-403XD	RM-404XXD
		12/17/2020 40220035007	12/16/2020 40220035003	12/16/2020 40220035002	12/17/2020 40220035008	12/17/2020 40220035006	12/17/2020 40220035005	12/16/2020 40220035001
COLOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	567	788	722	750	750	871	760
DEPTH TO WATER	FEET	24.54	17.25	14.60	26.47	26.00	37.67	54.80
DISSOLVED OXYGEN, FIELD	MG/L	3.38	1.81	2.33	0.71	3.92	2.84	5.08
ODOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	51	142	137	126	218	154	170
PH, FIELD	SU	7.40	7.35	7.50	7.16	7.37	7.20	7.38
TEMPERATURE	DEG C	3.5	5.3	2.5	1.8	3.5	4.9	2.0
TURBIDITY, FIELD NTU	NTU	8	0	0	8	0	0	7
WATER ELEVATION	FEET	791.17	802.88	806.93	801.39	806.85	806.83	806.86

**LEMBERGER LANDFILL  
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS  
MARCH 2021**

PARAMETER	UNITS	RM-002D	RM-003D	RM-003XXD	RM-003XXD DUP	RM-005D	RM-005D DUP	RM-007XD	RM-008D	RM-204D
		3/25/2021 40224274001	3/26/2021 40224274005	3/26/2021 40224274006	3/26/2021 40224274007	3/30/2021 40224276004	3/30/2021 40224276005	3/30/2021 40224276002	3/29/2021 40224275003	3/29/2021 40224275006
1,1,1-TRICHLOROETHANE	UG/L	8.0	41.0	3.8 j	5.7 j	21.9 j	33.6 j	209	27.8	17.0
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-TRICHLOROETHANE	UG/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-DICHLOROETHANE	UG/L	6.8	22.8	1.3	2.0	14.6 j	22.4 j	213	9.5	10.4
1,1-DICHLOROETHENE	UG/L	0.94 J	3.9	0.33 J	0.56 J	3.0 j	5.0 j	34.3	1.3	1.4
1,2-DICHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-DICHLOROPROPANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-BUTANONE	UG/L	< 2.9 uj	< 2.9 uj	< 2.9 uj	< 2.9 uj	< 2.9	< 2.9 uj	< 2.9 uj	< 2.9 uj	< 2.9 uj
2-HEXANONE	UG/L	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj
4-METHYL-2-PENTANONE	UG/L	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj
ACETONE	UG/L	< 2.7 uj	< 2.7 uj	< 2.7 uj	< 2.7 uj	< 2.7	< 2.7 uj	< 2.7 uj	< 2.7 uj	< 2.7 uj
BENZENE	UG/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
BROMODICHLOROMETHANE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
BROMOFORM	UG/L	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj
BROMOMETHANE	UG/L	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
CARBON DISULFIDE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
CARBON TETRACHLORIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
CHLOROBENZENE	UG/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROFORM	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROMETHANE	UG/L	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj
CIS-1,2-DICHLOROETHENE	UG/L	1.5	7.3	0.55 J	0.92 J	6.7 j	10.2 j	86.1	5.6	2.3
CIS-1,3-DICHLOROPROPENE	UG/L	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
ETHYLBENZENE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
METHYLENE CHLORIDE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
STYRENE	UG/L	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
TETRACHLOROETHENE	UG/L	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	2.8	< 0.33	< 0.33
TOLUENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
TRANS-1,3-DICHLOROPROPENE	UG/L	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
TRICHLOROETHENE	UG/L	1.9	6.4	0.95 J	1.2	3.4 j	5.5 j	58.1	4.5	2.1
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

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

Data Validation Qualifiers:

j = the result is estimated

u = data validation rules result is not-detected.

**LEMBERGER LANDFILL  
MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS  
MARCH 2021**

PARAMETER	UNITS	RM-208D	RM-210D	RM-211D	RM-307D	RM-401XD	RM-401XXD	RM-402XD	RM-402XXD	RM-403XD
		3/30/2021 40224276003	3/25/2021 40224274002	3/26/2021 40224275002	3/30/2021 40224276001	3/26/2021 40224275001	3/26/2021 40224274004	3/29/2021 40224275005	3/29/2021 40224275004	3/25/2021 40224274003
1,1,1-TRICHLOROETHANE	UG/L	10.8	8.7	2.1	72.2	24.3	5.4	153	28.8	96.2
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,1,2-TRICHLOROETHANE	UG/L	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55	< 0.55
1,1-DICHLOROETHANE	UG/L	6.2	4.7	0.89 J	9.8	15.7	2.9	53.1	15.7	57.1
1,1-DICHLOROETHENE	UG/L	2.1	1.1	< 0.24	3.2	3.6	1.6	27.0	3.4	7.3
1,2-DICHLOROETHANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
1,2-DICHLOROPROPANE	UG/L	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28
2-BUTANONE	UG/L	< 2.9	< 2.9 uj	< 2.9 uj	< 2.9 uj	< 2.9 uj	< 2.9 uj	< 2.9 uj	< 2.9 uj	< 2.9 uj
2-HEXANONE	UG/L	< 5.2	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj	< 5.2 uj
4-METHYL-2-PENTANONE	UG/L	< 4.6	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj	< 4.6 uj
ACETONE	UG/L	< 2.7	< 2.7 uj	< 2.7 uj	< 2.7 uj	< 2.7 uj	< 2.7 uj	< 2.7 uj	< 2.7 uj	< 2.7 uj
BENZENE	UG/L	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
BROMODICHLOROMETHANE	UG/L	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36
BROMOFORM	UG/L	< 4.0	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj	< 4.0 uj
BROMOMETHANE	UG/L	< 0.97 uj	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97	< 0.97
CARBON DISULFIDE	UG/L	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45
CARBON TETRACHLORIDE	UG/L	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1
CHLOROBENZENE	UG/L	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71
CHLORODIBROMOMETHANE	UG/L	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6	< 2.6
CHLOROETHANE	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROFORM	UG/L	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3	< 1.3
CHLOROMETHANE	UG/L	< 2.2	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj	< 2.2 uj
CIS-1,2-DICHLOROETHENE	UG/L	5.0	2.2	< 0.27	1.2	6.9	4.2	23.1	7.8	15.0
CIS-1,3-DICHLOROPROPENE	UG/L	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6	< 3.6
ETHYLBENZENE	UG/L	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32
METHYLENE CHLORIDE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58	< 0.58
STYRENE	UG/L	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
TETRACHLOROETHENE	UG/L	< 0.33	< 0.33	< 0.33	0.76 J	< 0.33	< 0.33	0.80 J	< 0.33	0.97 J
TOLUENE	UG/L	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27	< 0.27
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46
TRANS-1,3-DICHLOROPROPENE	UG/L	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4	< 4.4
TRICHLOROETHENE	UG/L	2.9	1.6	0.33 J	6.2	3.8	1.1	17.4	6.3	14.8
VINYL CHLORIDE	UG/L	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17	< 0.17
XYLENE, TOTAL	UG/L	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5	< 1.5

**NOTES:**

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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**  
**MARCH 2021**

PARAMETER	UNITS	RM-002D	RM-003D	RM-003XXD	RM-005D	RM-007XD	RM-008D	RM-204D	RM-208D
		3/25/2021 40224274001	3/26/2021 40224274005	3/26/2021 40224274006	3/30/2021 40224276004	3/30/2021 40224276002	3/29/2021 40224275003	3/29/2021 40224275006	3/30/2021 40224276003
COLOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	553	773	771	808	998	891	729	759
DEPTH TO WATER	FEET	23.37	17.84	15.26	42.18	36.14	38.48	29.07	38.53
DISSOLVED OXYGEN, FIELD	MG/L	3.36	1.97	2.27	2.03	2.07	4.14	0.62	1.81
ODOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	50	149	148	161	190	164	117	198
PH, FIELD	SU	7.33	7.28	7.47	7.76	7.57	7.68	7.68	7.76
TEMPERATURE	DEG C	6.9	9.7	8.8	9.3	8.8	9.0	8.8	9.4
TURBIDITY, FIELD NTU	NTU	7	0	0	0	0	0	6	0
WATER ELEVATION	FEET	792.34	802.29	806.27	800.9	808.05	807	799.41	801.38

**LEMBERGER LANDFILL**  
**MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA**  
**MARCH 2021**

PARAMETER	UNITS	RM-210D	RM-211D	RM-307D	RM-401XD	RM-401XXD	RM-402XD	RM-402XXD	RM-403XD
		3/25/2021 40224274002	3/26/2021 40224275002	3/30/2021 40224276001	3/26/2021 40224275001	3/26/2021 40224274004	3/29/2021 40224275005	3/29/2021 40224275004	3/25/2021 40224274003
COLOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	741	709	800	781	738	1191	808	939
DEPTH TO WATER	FEET	29.62	16.65	47.27	31.54	26.57	35.33	35.70	38.13
DISSOLVED OXYGEN, FIELD	MG/L	0.87	0.89	4.44	1.80	3.47	2.58	3.49	2.45
ODOR, FIELD		NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	111	110	156	272	264	235	226	219
PH, FIELD	SU	7.21	7.45	7.47	7.57	7.94	7.57	7.73	7.76
TEMPERATURE	DEG C	7.3	9.3	8.5	8.6	9.0	8.4	7.3	7.9
TURBIDITY, FIELD NTU	NTU	7	0	6	2	0	0	0	0
WATER ELEVATION	FEET	798.24	803.7	806.67	802.06	806.28	806.74	806.52	806.37

**LEMBERGER LANDFILL**  
**MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS**  
**JUNE 2021**

PARAMETER	UNITS	LH-01	LH-03	LW-07	RM-002D	RM-003D	RM-003XXD	RM-005S
		6/29/2021 40229409003	6/30/2021 40229409005	6/30/2021 40229409007	6/28/2021 40229408005	6/24/2021 40229408001	6/24/2021 40229408002	6/29/2021 40229409002
1,1,1-TRICHLOROETHANE	UG/L	< 0.30	< 0.30	< 0.30	7.5	19.9	4.3	< 0.30
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	0.81 J	< 0.30	< 0.30	6.3	11.6	1.7	< 0.30
1,1-DICHLOROETHENE	UG/L	< 0.58	< 0.58	< 0.58	1.1	2.2	< 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	0.78 J	< 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	3.4	1.3	2.3	< 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	7.0	< 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	1.3	< 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	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
CIS-1,2-DICHLOROETHENE	UG/L	< 0.47	< 0.47	< 0.47	1.7	3.2	0.69 J	< 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	2.0	3.3	1.3	0.35 J
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	1.6 Ju	< 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:

j = the result is estimated

u = data validation rules result is not-detected.

**LEMBERGER LANDFILL**  
**MONITORING WELL VOLATILE ORGANIC ANALYSIS RESULTS**  
**JUNE 2021**

PARAMETER	UNITS	RM-005S DUP	RM-206S	RM-207S	RM-208S	RM-210D	RM-401XXD	RM-403XD	RM-403XD DUP
		6/29/2021 40229409004	6/29/2021 40229409001	6/30/2021 40229409006	6/30/2021 40229409008	6/28/2021 40229408006	6/28/2021 40229408007	6/24/2021 40229408003	6/24/2021 40229408004
1,1,1-TRICHLOROETHANE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	7.2	3.7	97.9	87.0
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.38	< 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	< 0.34
1,1-DICHLOROETHANE	UG/L	< 0.30	< 0.30	< 0.30	< 0.30	4.0	1.7	65.5	57.7
1,1-DICHLOROETHENE	UG/L	< 0.58	< 0.58	< 0.58	< 0.58	1.1	1.2	9.1	7.4
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	< 0.45	< 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	< 6.5
2-HEXANONE	UG/L	< 6.3 uj	< 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	< 6.0
ACETONE	UG/L	< 8.6 uj	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6	< 8.6
BENZENE	UG/L	< 0.30	< 0.30	0.36 J	0.65 J	< 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	< 3.8	< 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	< 1.2
CARBON DISULFIDE	UG/L	< 1.1	< 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	< 0.37
CHLOROBENZENE	UG/L	< 0.86	< 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	< 2.6
CHLOROETHANE	UG/L	< 1.4	< 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	< 1.2
CHLOROMETHANE	UG/L	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6	< 1.6
CIS-1,2-DICHLOROETHENE	UG/L	< 0.47	< 0.47	< 0.47	< 0.47	2.1	2.7	16.8	15.2
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.36	< 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	< 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	< 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	1.1	0.93 J
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	< 3.5	< 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	1.4	0.65 J	15.7	14.7
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	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

**NOTES:**

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

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**LEMBERGER LANDFILL**  
**MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA**  
**JUNE 2021**

PARAMETER	UNITS	LH-01	LH-03	LH-06	LW-07	RM-002D	RM-003D	RM-003XXD
		6/29/2021 40229409003	6/30/2021 40229409005	6/30/2021 40229409X01	6/30/2021 40229409007	6/28/2021 40229408005	6/24/2021 40229408001	6/24/2021 40229408002
COLOR, FIELD		NONE	NONE		NONE	NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM	2859	1086		1250	654	755	772
DEPTH TO LEACHATE	FEET	33.22	35.97		10.63			
DEPTH TO WATER	FEET					23.60	18.22	15.72
DISSOLVED OXYGEN, FIELD	MG/L	0.18	0.17		0.18	0.93	1.23	1.45
LEACHATE HEAD ELEVATION	FEET	835.56	836.14		832.71			
LEACHATE VOLUME PUMPED	1000 GAL							
ODOR, FIELD		NONE	NONE		NONE	NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV	-149	-155		-154	67	122	117
PH, FIELD	SU	7.54	7.36		7.70	7.53	6.83	6.66
TEMPERATURE	DEG C	10.8	9.6		8.9	9.3	10.0	9.6
TURBIDITY, FIELD NTU	NTU	7	7		18	4	0	0
WATER ELEVATION	FEET					792.11	801.91	805.81
WELL DRY				00000				

**LEMBERGER LANDFILL**  
**MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA**  
**JUNE 2021**

PARAMETER	UNITS	RM-004D	RM-005S	RM-010D	RM-206S	RM-207S	RM-208S	RM-210D
		6/26/2021 W210626001	6/29/2021 40229409002	6/26/2021 W210626002	6/29/2021 40229409001	6/30/2021 40229409006	6/30/2021 40229409008	6/28/2021 40229408006
COLOR, FIELD			NONE		NONE	NONE	NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM		749		877	822	1263	716
DEPTH TO LEACHATE	FEET							
DEPTH TO WATER	FEET	54.69	7.27	44.70	10.60	9.26	12.93	32.00
DISSOLVED OXYGEN, FIELD	MG/L		0.96		3.54	0.23	1.55	0.76
LEACHATE HEAD ELEVATION	FEET							
LEACHATE VOLUME PUMPED	1000 GAL							
ODOR, FIELD			NONE		NONE	NONE	NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV		11		161	-91	-104	104
PH, FIELD	SU		7.28		7.30	7.74	7.48	7.12
TEMPERATURE	DEG C		9.6		10.7	9.8	11.6	9.6
TURBIDITY, FIELD NTU	NTU		4		31	6	86	6
WATER ELEVATION	FEET	804.4	836.74	804.87	834.52	830.68	826.44	795.86
WELL DRY								

**LEMBERGER LANDFILL**  
**MONITORING WELL INDICATOR PARAMETERS AND FIELD DATA**  
**JUNE 2021**

PARAMETER	UNITS	RM-301S 6/26/2021 W210626003	RM-302S 6/26/2021 W210626004	RM-305D 6/26/2021 W210626005	RM-401XXD 6/28/2021 40229408007	RM-403XD 6/24/2021 40229408003
COLOR, FIELD					NONE	NONE
CONDUCTANCE, SPECIFIC	UMHOS/CM				718	928
DEPTH TO LEACHATE	FEET					
DEPTH TO WATER	FEET	9.19	4.08	53.51	27.13	38.72
DISSOLVED OXYGEN, FIELD	MG/L				2.96	1.94
LEACHATE HEAD ELEVATION	FEET					
LEACHATE VOLUME PUMPED	1000 GAL					
ODOR, FIELD					NONE	NONE
OXIDATION REDUCTION POTENTIAL	MV				103	118
PH, FIELD	SU				7.12	7.51
TEMPERATURE	DEG C				9.6	9.4
TURBIDITY, FIELD NTU	NTU				0	0
WATER ELEVATION	FEET	852.46	850.99	814.44	805.72	805.78
WELL DRY						

## **Appendix F: Laboratory Data Sheets – July 2020 through June 2021**

### ANALYTICAL RESULTS

Project: 376175.0 PH 4 LEMBERGER LF - R

Pace Project No.: 40215656

**Sample: GR-60R**      **Lab ID: 40215656001**      Collected: 09/29/20 13:33      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/05/20 11:45	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 11:45	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/05/20 11:45	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/05/20 11:45	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/05/20 11:45	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 11:45	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/05/20 11:45	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/05/20 11:45	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/05/20 11:45	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/05/20 11:45	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/05/20 11:45	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/05/20 11:45	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/05/20 11:45	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/05/20 11:45	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/05/20 11:45	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/05/20 11:45	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/05/20 11:45	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/05/20 11:45	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/05/20 11:45	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/05/20 11:45	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/05/20 11:45	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/05/20 11:45	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/05/20 11:45	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/05/20 11:45	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/05/20 11:45	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/05/20 11:45	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/05/20 11:45	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/05/20 11:45	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/20 11:45	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/20 11:45	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/05/20 11:45	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/05/20 11:45	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/05/20 11:45	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/05/20 11:45	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/05/20 11:45	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		10/05/20 11:45	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/05/20 11:45	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH 4 LEMBERGER LF - R

Pace Project No.: 40215656

**Sample: GR-26**      **Lab ID: 40215656002**      Collected: 09/29/20 14:42      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/05/20 12:06	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 12:06	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/05/20 12:06	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/05/20 12:06	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/05/20 12:06	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 12:06	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/05/20 12:06	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/05/20 12:06	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/05/20 12:06	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/05/20 12:06	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/05/20 12:06	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/05/20 12:06	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/05/20 12:06	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/05/20 12:06	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/05/20 12:06	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/05/20 12:06	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/05/20 12:06	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/05/20 12:06	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/05/20 12:06	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/05/20 12:06	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/05/20 12:06	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/05/20 12:06	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/05/20 12:06	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/05/20 12:06	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/05/20 12:06	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/05/20 12:06	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/05/20 12:06	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/05/20 12:06	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/20 12:06	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/20 12:06	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/05/20 12:06	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/05/20 12:06	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/05/20 12:06	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/05/20 12:06	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/05/20 12:06	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		10/05/20 12:06	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/05/20 12:06	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH 4 LEMBERGER LF - R

Pace Project No.: 40215656

**Sample: GR-73**      **Lab ID: 40215656003**      Collected: 09/29/20 15:27      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/02/20 22:35	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/02/20 22:35	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/02/20 22:35	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/02/20 22:35	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/02/20 22:35	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/02/20 22:35	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/02/20 22:35	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/02/20 22:35	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/02/20 22:35	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/02/20 22:35	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/02/20 22:35	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/02/20 22:35	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/02/20 22:35	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/02/20 22:35	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/02/20 22:35	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/02/20 22:35	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/02/20 22:35	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/02/20 22:35	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/02/20 22:35	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/02/20 22:35	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/02/20 22:35	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/02/20 22:35	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/02/20 22:35	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/02/20 22:35	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/02/20 22:35	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/02/20 22:35	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/02/20 22:35	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/02/20 22:35	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/02/20 22:35	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/02/20 22:35	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/02/20 22:35	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/02/20 22:35	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/02/20 22:35	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/02/20 22:35	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/02/20 22:35	460-00-4	pH
Dibromofluoromethane (S)	96	%	70-130		1		10/02/20 22:35	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/02/20 22:35	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH 4 LEMBERGER LF - R

Pace Project No.: 40215656

**Sample: GR-13**      **Lab ID: 40215656004**      Collected: 09/29/20 10:20      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/05/20 14:13	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 14:13	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/05/20 14:13	79-00-5	
1,1-Dichloroethane	0.37J	ug/L	1.0	0.27	1		10/05/20 14:13	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/05/20 14:13	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 14:13	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/05/20 14:13	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/05/20 14:13	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/05/20 14:13	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/05/20 14:13	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/05/20 14:13	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/05/20 14:13	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/05/20 14:13	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/05/20 14:13	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/05/20 14:13	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/05/20 14:13	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/05/20 14:13	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/05/20 14:13	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/05/20 14:13	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/05/20 14:13	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/05/20 14:13	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/05/20 14:13	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/05/20 14:13	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/05/20 14:13	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/05/20 14:13	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/05/20 14:13	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/05/20 14:13	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/05/20 14:13	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/20 14:13	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/20 14:13	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/05/20 14:13	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/05/20 14:13	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/05/20 14:13	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/05/20 14:13	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/05/20 14:13	460-00-4	
Dibromofluoromethane (S)	92	%	70-130		1		10/05/20 14:13	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/05/20 14:13	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH 4 LEMBERGER LF - R  
Pace Project No.: 40215656

**Sample: GR-63**      **Lab ID: 40215656005**      Collected: 09/29/20 17:15      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/05/20 14:34	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 14:34	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/05/20 14:34	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/05/20 14:34	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/05/20 14:34	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 14:34	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/05/20 14:34	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/05/20 14:34	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/05/20 14:34	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/05/20 14:34	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/05/20 14:34	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/05/20 14:34	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/05/20 14:34	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/05/20 14:34	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/05/20 14:34	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/05/20 14:34	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/05/20 14:34	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/05/20 14:34	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/05/20 14:34	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/05/20 14:34	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/05/20 14:34	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/05/20 14:34	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/05/20 14:34	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/05/20 14:34	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/05/20 14:34	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/05/20 14:34	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/05/20 14:34	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/05/20 14:34	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/20 14:34	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/20 14:34	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/05/20 14:34	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/05/20 14:34	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/05/20 14:34	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/05/20 14:34	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/05/20 14:34	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		10/05/20 14:34	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/05/20 14:34	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH 4 LEMBERGER LF - R  
Pace Project No.: 40215656

**Sample: GR-FDUP-001**      **Lab ID: 40215656006**      Collected: 09/29/20 00:00      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/20 03:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/03/20 03:24	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/03/20 03:24	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/03/20 03:24	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/03/20 03:24	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/03/20 03:24	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/03/20 03:24	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/03/20 03:24	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/03/20 03:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/03/20 03:24	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/03/20 03:24	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/03/20 03:24	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/03/20 03:24	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/03/20 03:24	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/03/20 03:24	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/03/20 03:24	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/03/20 03:24	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/03/20 03:24	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/03/20 03:24	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/03/20 03:24	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/03/20 03:24	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/03/20 03:24	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/03/20 03:24	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/03/20 03:24	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/03/20 03:24	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/03/20 03:24	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/03/20 03:24	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/20 03:24	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/03/20 03:24	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/03/20 03:24	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/03/20 03:24	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/03/20 03:24	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/03/20 03:24	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/03/20 03:24	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/03/20 03:24	460-00-4	pH
Dibromofluoromethane (S)	96	%	70-130		1		10/03/20 03:24	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/03/20 03:24	2037-26-5	

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## QUALIFIERS

Project: 376175.0 PH 4 LEMBERGER LF - R

Pace Project No.: 40215656

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### 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

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215657

**Sample: GR-65**      **Lab ID: 40215657001**      Collected: 09/30/20 11:40      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/02/20 23:28	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/02/20 23:28	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/02/20 23:28	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/02/20 23:28	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/02/20 23:28	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/02/20 23:28	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/02/20 23:28	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/02/20 23:28	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/02/20 23:28	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/02/20 23:28	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/02/20 23:28	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/02/20 23:28	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/02/20 23:28	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/02/20 23:28	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/02/20 23:28	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/02/20 23:28	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/02/20 23:28	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/02/20 23:28	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/02/20 23:28	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/02/20 23:28	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/02/20 23:28	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/02/20 23:28	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/02/20 23:28	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/02/20 23:28	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/02/20 23:28	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/02/20 23:28	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/02/20 23:28	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/02/20 23:28	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/02/20 23:28	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/02/20 23:28	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/02/20 23:28	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/02/20 23:28	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/02/20 23:28	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/02/20 23:28	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/02/20 23:28	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		10/02/20 23:28	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/02/20 23:28	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215657

**Sample: GR-12**      **Lab ID: 40215657002**      Collected: 09/30/20 12:12      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/02/20 23:49	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/02/20 23:49	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/02/20 23:49	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/02/20 23:49	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/02/20 23:49	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/02/20 23:49	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/02/20 23:49	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/02/20 23:49	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/02/20 23:49	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/02/20 23:49	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/02/20 23:49	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/02/20 23:49	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/02/20 23:49	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/02/20 23:49	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/02/20 23:49	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/02/20 23:49	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/02/20 23:49	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/02/20 23:49	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/02/20 23:49	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/02/20 23:49	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/02/20 23:49	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/02/20 23:49	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/02/20 23:49	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/02/20 23:49	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/02/20 23:49	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/02/20 23:49	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/02/20 23:49	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/02/20 23:49	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/02/20 23:49	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/02/20 23:49	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/02/20 23:49	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/02/20 23:49	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/02/20 23:49	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/02/20 23:49	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/02/20 23:49	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		10/02/20 23:49	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/02/20 23:49	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE  
Pace Project No.: 40215657

**Sample: GR-10**      **Lab ID: 40215657003**      Collected: 09/30/20 13:21      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/20 00:11	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/03/20 00:11	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/03/20 00:11	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/03/20 00:11	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/03/20 00:11	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/03/20 00:11	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/03/20 00:11	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/03/20 00:11	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/03/20 00:11	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/03/20 00:11	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/03/20 00:11	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/03/20 00:11	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/03/20 00:11	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/03/20 00:11	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/03/20 00:11	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/03/20 00:11	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/03/20 00:11	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/03/20 00:11	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/03/20 00:11	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/03/20 00:11	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/03/20 00:11	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/03/20 00:11	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/03/20 00:11	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/03/20 00:11	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/03/20 00:11	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/03/20 00:11	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/03/20 00:11	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/20 00:11	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/03/20 00:11	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/03/20 00:11	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/03/20 00:11	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/03/20 00:11	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/03/20 00:11	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/03/20 00:11	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/03/20 00:11	460-00-4	
Dibromofluoromethane (S)	93	%	70-130		1		10/03/20 00:11	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/03/20 00:11	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215657

**Sample: GR-62**      **Lab ID: 40215657004**      Collected: 09/30/20 13:57      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/20 00:32	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/03/20 00:32	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/03/20 00:32	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/03/20 00:32	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/03/20 00:32	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/03/20 00:32	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/03/20 00:32	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/03/20 00:32	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/03/20 00:32	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/03/20 00:32	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/03/20 00:32	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/03/20 00:32	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/03/20 00:32	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/03/20 00:32	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/03/20 00:32	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/03/20 00:32	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/03/20 00:32	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/03/20 00:32	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/03/20 00:32	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/03/20 00:32	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/03/20 00:32	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/03/20 00:32	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/03/20 00:32	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/03/20 00:32	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/03/20 00:32	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/03/20 00:32	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/03/20 00:32	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/20 00:32	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/03/20 00:32	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/03/20 00:32	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/03/20 00:32	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/03/20 00:32	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/03/20 00:32	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/03/20 00:32	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/03/20 00:32	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		10/03/20 00:32	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/03/20 00:32	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE  
Pace Project No.: 40215657

**Sample: GR-08**      **Lab ID: 40215657005**      Collected: 09/30/20 14:30      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/20 00:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/03/20 00:54	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/03/20 00:54	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/03/20 00:54	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/03/20 00:54	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/03/20 00:54	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/03/20 00:54	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/03/20 00:54	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/03/20 00:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/03/20 00:54	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/03/20 00:54	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/03/20 00:54	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/03/20 00:54	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/03/20 00:54	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/03/20 00:54	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/03/20 00:54	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/03/20 00:54	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/03/20 00:54	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/03/20 00:54	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/03/20 00:54	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/03/20 00:54	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/03/20 00:54	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/03/20 00:54	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/03/20 00:54	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/03/20 00:54	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/03/20 00:54	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/03/20 00:54	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/20 00:54	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/03/20 00:54	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/03/20 00:54	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/03/20 00:54	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/03/20 00:54	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/03/20 00:54	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/03/20 00:54	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/03/20 00:54	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		10/03/20 00:54	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/03/20 00:54	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215657

**Sample: GR-09**      **Lab ID: 40215657006**      Collected: 09/30/20 15:09      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/03/20 01:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/03/20 01:15	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/03/20 01:15	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/03/20 01:15	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/03/20 01:15	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/03/20 01:15	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/03/20 01:15	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/03/20 01:15	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/03/20 01:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/03/20 01:15	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/03/20 01:15	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/03/20 01:15	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/03/20 01:15	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/03/20 01:15	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/03/20 01:15	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/03/20 01:15	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/03/20 01:15	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/03/20 01:15	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/03/20 01:15	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/03/20 01:15	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/03/20 01:15	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/03/20 01:15	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/03/20 01:15	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/03/20 01:15	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/03/20 01:15	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/03/20 01:15	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/03/20 01:15	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/03/20 01:15	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/03/20 01:15	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/03/20 01:15	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/03/20 01:15	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/03/20 01:15	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/03/20 01:15	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/03/20 01:15	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/03/20 01:15	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		10/03/20 01:15	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/03/20 01:15	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215657

**Sample: GR-64**      **Lab ID: 40215657007**      Collected: 09/30/20 17:16      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/02/20 23:06	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/02/20 23:06	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/02/20 23:06	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/02/20 23:06	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/02/20 23:06	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/02/20 23:06	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/02/20 23:06	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/02/20 23:06	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/02/20 23:06	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/02/20 23:06	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/02/20 23:06	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/02/20 23:06	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/02/20 23:06	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/02/20 23:06	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/02/20 23:06	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/02/20 23:06	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/02/20 23:06	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/02/20 23:06	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/02/20 23:06	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/02/20 23:06	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/02/20 23:06	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/02/20 23:06	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/02/20 23:06	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/02/20 23:06	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/02/20 23:06	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/02/20 23:06	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/02/20 23:06	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/02/20 23:06	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/02/20 23:06	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/02/20 23:06	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/02/20 23:06	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/02/20 23:06	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/02/20 23:06	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/02/20 23:06	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/02/20 23:06	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		10/02/20 23:06	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/02/20 23:06	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE  
Pace Project No.: 40215657

**Sample: TB-001**      **Lab ID: 40215657008**      Collected: 09/30/20 00:00      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/02/20 22:45	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/02/20 22:45	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/02/20 22:45	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/02/20 22:45	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/02/20 22:45	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/02/20 22:45	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/02/20 22:45	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/02/20 22:45	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/02/20 22:45	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/02/20 22:45	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/02/20 22:45	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/02/20 22:45	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/02/20 22:45	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/02/20 22:45	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/02/20 22:45	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/02/20 22:45	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/02/20 22:45	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/02/20 22:45	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/02/20 22:45	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/02/20 22:45	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/02/20 22:45	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/02/20 22:45	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/02/20 22:45	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/02/20 22:45	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/02/20 22:45	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/02/20 22:45	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/02/20 22:45	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/02/20 22:45	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/02/20 22:45	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/02/20 22:45	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/02/20 22:45	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/02/20 22:45	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/02/20 22:45	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/02/20 22:45	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/02/20 22:45	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		10/02/20 22:45	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/02/20 22:45	2037-26-5	

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## QUALIFIERS

Project: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215657

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### 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: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215658

**Sample: RM-403XD**      **Lab ID: 40215658001**      Collected: 09/27/20 09:43      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	92.3	ug/L	1.0	0.24	1		10/05/20 08:53	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 08:53	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/05/20 08:53	79-00-5	
1,1-Dichloroethane	66.4	ug/L	1.0	0.27	1		10/05/20 08:53	75-34-3	
1,1-Dichloroethene	5.8	ug/L	1.0	0.24	1		10/05/20 08:53	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 08:53	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/05/20 08:53	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/05/20 08:53	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/05/20 08:53	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/05/20 08:53	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/05/20 08:53	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/05/20 08:53	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/05/20 08:53	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/05/20 08:53	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/05/20 08:53	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/05/20 08:53	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/05/20 08:53	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/05/20 08:53	108-90-7	
Chloroethane	27.4	ug/L	5.0	1.3	1		10/05/20 08:53	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/05/20 08:53	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/05/20 08:53	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/05/20 08:53	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/05/20 08:53	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/05/20 08:53	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/05/20 08:53	100-42-5	
Tetrachloroethene	1.2	ug/L	1.1	0.33	1		10/05/20 08:53	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/05/20 08:53	108-88-3	
Trichloroethene	15.8	ug/L	1.0	0.26	1		10/05/20 08:53	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/20 08:53	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/20 08:53	1330-20-7	
cis-1,2-Dichloroethene	12.1	ug/L	1.0	0.27	1		10/05/20 08:53	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/05/20 08:53	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/05/20 08:53	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/05/20 08:53	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/05/20 08:53	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		10/05/20 08:53	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/05/20 08:53	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215658

**Sample: RM-404XXD**      **Lab ID: 40215658002**      Collected: 09/27/20 11:21      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	10/02/20 06:37	10/03/20 00:35	7439-89-6	
Manganese	4.8	ug/L	4.0	1.2	1	10/02/20 06:37	10/03/20 00:35	7439-96-5	B
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.83J	ug/L	1.0	0.24	1		10/05/20 08:32	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 08:32	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/05/20 08:32	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/05/20 08:32	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/05/20 08:32	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 08:32	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/05/20 08:32	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/05/20 08:32	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/05/20 08:32	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/05/20 08:32	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/05/20 08:32	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/05/20 08:32	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/05/20 08:32	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/05/20 08:32	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/05/20 08:32	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/05/20 08:32	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/05/20 08:32	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/05/20 08:32	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/05/20 08:32	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/05/20 08:32	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/05/20 08:32	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/05/20 08:32	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/05/20 08:32	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/05/20 08:32	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/05/20 08:32	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/05/20 08:32	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/05/20 08:32	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/05/20 08:32	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/20 08:32	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/20 08:32	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/05/20 08:32	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/05/20 08:32	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/05/20 08:32	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/05/20 08:32	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/05/20 08:32	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		10/05/20 08:32	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		10/05/20 08:32	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE  
Pace Project No.: 40215658

**Sample: RM-404XD**      **Lab ID: 40215658002**      Collected: 09/27/20 11:21      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>13.7</b>	mg/L	2.0	0.43	1		10/07/20 18:57	16887-00-6	
Sulfate	<b>47.4</b>	mg/L	10.0	2.2	5		10/08/20 23:57	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	<b>346</b>	mg/L	49.6	14.9	2		10/05/20 17:09		M0
<b>353.2 Nitrogen, NO2/NO3 pres.</b>									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<b>4.4</b>	mg/L	0.25	0.059	1		10/13/20 13:38		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>1.0</b>	mg/L	0.50	0.15	1		10/04/20 23:15	7440-44-0	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215658

**Sample: RM-003D**      **Lab ID: 40215658003**      Collected: 09/27/20 13:15      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	35.3	ug/L	1.0	0.24	1		10/05/20 09:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 09:15	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/05/20 09:15	79-00-5	
1,1-Dichloroethane	23.9	ug/L	1.0	0.27	1		10/05/20 09:15	75-34-3	
1,1-Dichloroethene	3.9	ug/L	1.0	0.24	1		10/05/20 09:15	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 09:15	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/05/20 09:15	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/05/20 09:15	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/05/20 09:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/05/20 09:15	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/05/20 09:15	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/05/20 09:15	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/05/20 09:15	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/05/20 09:15	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/05/20 09:15	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/05/20 09:15	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/05/20 09:15	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/05/20 09:15	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/05/20 09:15	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/05/20 09:15	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/05/20 09:15	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/05/20 09:15	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/05/20 09:15	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/05/20 09:15	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/05/20 09:15	100-42-5	
Tetrachloroethene	0.37J	ug/L	1.1	0.33	1		10/05/20 09:15	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/05/20 09:15	108-88-3	
Trichloroethene	6.1	ug/L	1.0	0.26	1		10/05/20 09:15	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/20 09:15	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/20 09:15	1330-20-7	
cis-1,2-Dichloroethene	8.8	ug/L	1.0	0.27	1		10/05/20 09:15	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/05/20 09:15	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/05/20 09:15	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/05/20 09:15	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/05/20 09:15	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		10/05/20 09:15	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/05/20 09:15	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215658

**Sample: RM-003XXD**      **Lab ID: 40215658004**      Collected: 09/27/20 14:47      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	10/02/20 06:37	10/03/20 01:03	7439-89-6	
Manganese	1.3J	ug/L	4.0	1.2	1	10/02/20 06:37	10/03/20 01:03	7439-96-5	B
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	2.6	ug/L	1.0	0.24	1		10/05/20 09:36	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 09:36	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/05/20 09:36	79-00-5	
1,1-Dichloroethane	0.64J	ug/L	1.0	0.27	1		10/05/20 09:36	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/05/20 09:36	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 09:36	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/05/20 09:36	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/05/20 09:36	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/05/20 09:36	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/05/20 09:36	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/05/20 09:36	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/05/20 09:36	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/05/20 09:36	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/05/20 09:36	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/05/20 09:36	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/05/20 09:36	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/05/20 09:36	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/05/20 09:36	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/05/20 09:36	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/05/20 09:36	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/05/20 09:36	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/05/20 09:36	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/05/20 09:36	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/05/20 09:36	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/05/20 09:36	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/05/20 09:36	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/05/20 09:36	108-88-3	
Trichloroethene	0.59J	ug/L	1.0	0.26	1		10/05/20 09:36	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/20 09:36	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/20 09:36	1330-20-7	
cis-1,2-Dichloroethene	0.36J	ug/L	1.0	0.27	1		10/05/20 09:36	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/05/20 09:36	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/05/20 09:36	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/05/20 09:36	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/05/20 09:36	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		10/05/20 09:36	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/05/20 09:36	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE  
Pace Project No.: 40215658

**Sample: RM-003XXD**      **Lab ID: 40215658004**      Collected: 09/27/20 14:47      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>33.0</b>	mg/L	2.0	0.43	1		10/07/20 19:41	16887-00-6	
Sulfate	<b>27.8</b>	mg/L	2.0	0.44	1		10/07/20 19:41	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>317</b>	mg/L	24.8	7.4	1		10/05/20 17:16		
<b>353.2 Nitrogen, NO<sub>2</sub>/NO<sub>3</sub> pres.</b>									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO <sub>2</sub> plus NO <sub>3</sub>	<b>6.0</b>	mg/L	0.25	0.059	1		10/13/20 13:42		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>1.1</b>	mg/L	0.50	0.15	1		10/05/20 00:17	7440-44-0	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215658

**Sample: RM-401XXD**      **Lab ID: 40215658005**      Collected: 09/28/20 09:56      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	10/02/20 06:37	10/03/20 07:21	7439-89-6	
Manganese	<1.2	ug/L	4.0	1.2	1	10/02/20 06:37	10/03/20 07:21	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	8.7	ug/L	1.0	0.24	1		10/05/20 09:58	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 09:58	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/05/20 09:58	79-00-5	
1,1-Dichloroethane	8.6	ug/L	1.0	0.27	1		10/05/20 09:58	75-34-3	
1,1-Dichloroethene	4.2	ug/L	1.0	0.24	1		10/05/20 09:58	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 09:58	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/05/20 09:58	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/05/20 09:58	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/05/20 09:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/05/20 09:58	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/05/20 09:58	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/05/20 09:58	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/05/20 09:58	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/05/20 09:58	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/05/20 09:58	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/05/20 09:58	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/05/20 09:58	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/05/20 09:58	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/05/20 09:58	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/05/20 09:58	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/05/20 09:58	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/05/20 09:58	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/05/20 09:58	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/05/20 09:58	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/05/20 09:58	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/05/20 09:58	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/05/20 09:58	108-88-3	
Trichloroethene	1.9	ug/L	1.0	0.26	1		10/05/20 09:58	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/20 09:58	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/20 09:58	1330-20-7	
cis-1,2-Dichloroethene	11.6	ug/L	1.0	0.27	1		10/05/20 09:58	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/05/20 09:58	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/05/20 09:58	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/05/20 09:58	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/05/20 09:58	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		10/05/20 09:58	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/05/20 09:58	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215658

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**Sample: RM-401XXD**      **Lab ID: 40215658005**      Collected: 09/28/20 09:56      Received: 10/01/20 07:00      Matrix: Water

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Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	<b>38.9</b>	mg/L	2.0	0.43	1		10/07/20 19:56	16887-00-6	
Sulfate	<b>22.5</b>	mg/L	2.0	0.44	1		10/07/20 19:56	14808-79-8	
<b>310.2 Alkalinity</b>	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO <sub>3</sub>	<b>297</b>	mg/L	24.8	7.4	1		10/05/20 17:17		
<b>353.2 Nitrogen, NO<sub>2</sub>/NO<sub>3</sub> pres.</b>	Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay								
Nitrogen, NO <sub>2</sub> plus NO <sub>3</sub>	<b>9.3</b>	mg/L	0.25	0.059	1		10/13/20 13:43		
<b>5310C TOC</b>	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	<b>0.92</b>	mg/L	0.50	0.15	1		10/05/20 00:38	7440-44-0	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE  
Pace Project No.: 40215658

**Sample: RM-002D**      **Lab ID: 40215658006**      Collected: 09/28/20 12:49      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020    Preparation Method: EPA 3010 Pace Analytical Services - Green Bay							
Iron	<b>&lt;58.0</b>	ug/L	250	58.0	1	10/02/20 06:37	10/03/20 07:28	7439-89-6	
Manganese	<b>22.6</b>	ug/L	4.0	1.2	1	10/02/20 06:37	10/03/20 07:28	7439-96-5	
<b>8260 MSV</b>		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
1,1,1-Trichloroethane	<b>5.9</b>	ug/L	1.0	0.24	1		10/05/20 10:19	71-55-6	
1,1,2,2-Tetrachloroethane	<b>&lt;0.28</b>	ug/L	1.0	0.28	1		10/05/20 10:19	79-34-5	
1,1,2-Trichloroethane	<b>&lt;0.55</b>	ug/L	5.0	0.55	1		10/05/20 10:19	79-00-5	
1,1-Dichloroethane	<b>6.3</b>	ug/L	1.0	0.27	1		10/05/20 10:19	75-34-3	
1,1-Dichloroethene	<b>0.80J</b>	ug/L	1.0	0.24	1		10/05/20 10:19	75-35-4	
1,2-Dichloroethane	<b>&lt;0.28</b>	ug/L	1.0	0.28	1		10/05/20 10:19	107-06-2	
1,2-Dichloropropane	<b>&lt;0.28</b>	ug/L	1.0	0.28	1		10/05/20 10:19	78-87-5	
2-Butanone (MEK)	<b>&lt;2.9</b>	ug/L	20.0	2.9	1		10/05/20 10:19	78-93-3	
2-Hexanone	<b>&lt;5.2</b>	ug/L	17.4	5.2	1		10/05/20 10:19	591-78-6	
4-Methyl-2-pentanone (MIBK)	<b>&lt;4.6</b>	ug/L	15.5	4.6	1		10/05/20 10:19	108-10-1	
Acetone	<b>&lt;2.7</b>	ug/L	20.0	2.7	1		10/05/20 10:19	67-64-1	
Benzene	<b>&lt;0.25</b>	ug/L	1.0	0.25	1		10/05/20 10:19	71-43-2	
Bromodichloromethane	<b>&lt;0.36</b>	ug/L	1.2	0.36	1		10/05/20 10:19	75-27-4	
Bromoform	<b>&lt;4.0</b>	ug/L	13.2	4.0	1		10/05/20 10:19	75-25-2	
Bromomethane	<b>&lt;0.97</b>	ug/L	5.0	0.97	1		10/05/20 10:19	74-83-9	
Carbon disulfide	<b>&lt;0.45</b>	ug/L	1.5	0.45	1		10/05/20 10:19	75-15-0	
Carbon tetrachloride	<b>&lt;1.1</b>	ug/L	3.6	1.1	1		10/05/20 10:19	56-23-5	
Chlorobenzene	<b>&lt;0.71</b>	ug/L	2.4	0.71	1		10/05/20 10:19	108-90-7	
Chloroethane	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		10/05/20 10:19	75-00-3	
Chloroform	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		10/05/20 10:19	67-66-3	
Chloromethane	<b>&lt;2.2</b>	ug/L	7.3	2.2	1		10/05/20 10:19	74-87-3	
Dibromochloromethane	<b>&lt;2.6</b>	ug/L	8.7	2.6	1		10/05/20 10:19	124-48-1	
Ethylbenzene	<b>&lt;0.32</b>	ug/L	1.1	0.32	1		10/05/20 10:19	100-41-4	
Methylene Chloride	<b>&lt;0.58</b>	ug/L	5.0	0.58	1		10/05/20 10:19	75-09-2	
Styrene	<b>&lt;3.0</b>	ug/L	10.0	3.0	1		10/05/20 10:19	100-42-5	
Tetrachloroethene	<b>&lt;0.33</b>	ug/L	1.1	0.33	1		10/05/20 10:19	127-18-4	
Toluene	<b>&lt;0.27</b>	ug/L	1.0	0.27	1		10/05/20 10:19	108-88-3	
Trichloroethene	<b>1.5</b>	ug/L	1.0	0.26	1		10/05/20 10:19	79-01-6	
Vinyl chloride	<b>&lt;0.17</b>	ug/L	1.0	0.17	1		10/05/20 10:19	75-01-4	
Xylene (Total)	<b>&lt;1.5</b>	ug/L	3.0	1.5	1		10/05/20 10:19	1330-20-7	
cis-1,2-Dichloroethene	<b>1.5</b>	ug/L	1.0	0.27	1		10/05/20 10:19	156-59-2	
cis-1,3-Dichloropropene	<b>&lt;3.6</b>	ug/L	12.1	3.6	1		10/05/20 10:19	10061-01-5	
trans-1,2-Dichloroethene	<b>&lt;0.46</b>	ug/L	1.5	0.46	1		10/05/20 10:19	156-60-5	
trans-1,3-Dichloropropene	<b>&lt;4.4</b>	ug/L	14.6	4.4	1		10/05/20 10:19	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/05/20 10:19	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		10/05/20 10:19	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/05/20 10:19	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215658

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**Sample: RM-002D**      **Lab ID: 40215658006**      Collected: 09/28/20 12:49      Received: 10/01/20 07:00      Matrix: Water

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Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	<b>12.7</b>	mg/L	2.0	0.43	1		10/07/20 20:11	16887-00-6	
Sulfate	<b>37.2</b>	mg/L	2.0	0.44	1		10/07/20 20:11	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>320</b>	mg/L	24.8	7.4	1		10/05/20 17:18		
<b>353.2 Nitrogen, NO<sub>2</sub>/NO<sub>3</sub> pres.</b>									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO <sub>2</sub> plus NO <sub>3</sub>	<b>1.6</b>	mg/L	0.25	0.059	1		10/13/20 13:43		
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>1.2</b>	mg/L	0.50	0.15	1		10/05/20 00:58	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215658

**Sample: RM-210D**      **Lab ID: 40215658007**      Collected: 09/28/20 16:00      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	117J	ug/L	250	58.0	1	10/02/20 06:37	10/03/20 07:34	7439-89-6	
Manganese	13.1	ug/L	4.0	1.2	1	10/02/20 06:37	10/03/20 07:34	7439-96-5	B
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	7.2	ug/L	1.0	0.24	1		10/05/20 10:41	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 10:41	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/05/20 10:41	79-00-5	
1,1-Dichloroethane	4.9	ug/L	1.0	0.27	1		10/05/20 10:41	75-34-3	
1,1-Dichloroethene	0.98J	ug/L	1.0	0.24	1		10/05/20 10:41	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 10:41	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/05/20 10:41	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/05/20 10:41	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/05/20 10:41	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/05/20 10:41	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/05/20 10:41	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/05/20 10:41	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/05/20 10:41	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/05/20 10:41	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/05/20 10:41	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/05/20 10:41	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/05/20 10:41	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/05/20 10:41	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/05/20 10:41	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/05/20 10:41	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/05/20 10:41	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/05/20 10:41	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/05/20 10:41	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/05/20 10:41	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/05/20 10:41	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/05/20 10:41	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/05/20 10:41	108-88-3	
Trichloroethene	1.7	ug/L	1.0	0.26	1		10/05/20 10:41	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/20 10:41	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/20 10:41	1330-20-7	
cis-1,2-Dichloroethene	2.1	ug/L	1.0	0.27	1		10/05/20 10:41	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/05/20 10:41	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/05/20 10:41	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/05/20 10:41	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/05/20 10:41	460-00-4	
Dibromofluoromethane (S)	93	%	70-130		1		10/05/20 10:41	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/05/20 10:41	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE  
Pace Project No.: 40215658

**Sample: RM-210D**      **Lab ID: 40215658007**      Collected: 09/28/20 16:00      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>16.9</b>	mg/L	2.0	0.43	1		10/07/20 21:11	16887-00-6	
Sulfate	<b>39.1</b>	mg/L	2.0	0.44	1		10/07/20 21:11	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>351</b>	mg/L	24.8	7.4	1		10/05/20 17:19		
<b>353.2 Nitrogen, NO<sub>2</sub>/NO<sub>3</sub> pres.</b>									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO <sub>2</sub> plus NO <sub>3</sub>	<b>3.8</b>	mg/L	0.25	0.059	1		10/13/20 13:44		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>0.83</b>	mg/L	0.50	0.15	1		10/05/20 01:19	7440-44-0	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE  
Pace Project No.: 40215658

**Sample: FB-001**      **Lab ID: 40215658008**      Collected: 09/28/20 17:10      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	10/02/20 06:37	10/03/20 07:41	7439-89-6	
Manganese	<1.2	ug/L	4.0	1.2	1	10/02/20 06:37	10/03/20 07:41	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/05/20 11:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 11:02	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/05/20 11:02	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/05/20 11:02	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/05/20 11:02	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 11:02	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/05/20 11:02	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/05/20 11:02	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/05/20 11:02	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/05/20 11:02	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/05/20 11:02	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/05/20 11:02	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/05/20 11:02	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/05/20 11:02	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/05/20 11:02	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/05/20 11:02	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/05/20 11:02	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/05/20 11:02	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/05/20 11:02	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/05/20 11:02	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/05/20 11:02	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/05/20 11:02	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/05/20 11:02	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/05/20 11:02	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/05/20 11:02	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/05/20 11:02	127-18-4	
Toluene	1.6	ug/L	1.0	0.27	1		10/05/20 11:02	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/05/20 11:02	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/20 11:02	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/20 11:02	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/05/20 11:02	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/05/20 11:02	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/05/20 11:02	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/05/20 11:02	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		10/05/20 11:02	460-00-4	
Dibromofluoromethane (S)	93	%	70-130		1		10/05/20 11:02	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/05/20 11:02	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE  
Pace Project No.: 40215658

**Sample: FB-001**      **Lab ID: 40215658008**      Collected: 09/28/20 17:10      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<0.43	mg/L	2.0	0.43	1		10/07/20 21:25	16887-00-6	
Sulfate	<0.44	mg/L	2.0	0.44	1		10/07/20 21:25	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<7.4	mg/L	24.8	7.4	1		10/05/20 17:20		
<b>353.2 Nitrogen, NO<sub>2</sub>/NO<sub>3</sub> pres.</b>									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO <sub>2</sub> plus NO <sub>3</sub>	<0.059	mg/L	0.25	0.059	1		10/13/20 13:45		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	0.26J	mg/L	0.50	0.15	1		10/05/20 01:40	7440-44-0	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215658

**Sample: FDUP-001**      **Lab ID: 40215658009**      Collected: 09/28/20 00:00      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	10/02/20 06:37	10/03/20 07:48	7439-89-6	
Manganese	<1.2	ug/L	4.0	1.2	1	10/02/20 06:37	10/03/20 07:48	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	9.0	ug/L	1.0	0.24	1		10/05/20 11:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 11:24	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/05/20 11:24	79-00-5	
1,1-Dichloroethane	8.6	ug/L	1.0	0.27	1		10/05/20 11:24	75-34-3	
1,1-Dichloroethene	4.3	ug/L	1.0	0.24	1		10/05/20 11:24	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/05/20 11:24	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/05/20 11:24	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/05/20 11:24	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/05/20 11:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/05/20 11:24	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/05/20 11:24	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/05/20 11:24	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/05/20 11:24	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/05/20 11:24	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/05/20 11:24	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/05/20 11:24	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/05/20 11:24	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/05/20 11:24	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/05/20 11:24	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/05/20 11:24	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/05/20 11:24	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/05/20 11:24	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/05/20 11:24	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/05/20 11:24	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/05/20 11:24	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/05/20 11:24	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/05/20 11:24	108-88-3	
Trichloroethene	1.8	ug/L	1.0	0.26	1		10/05/20 11:24	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/05/20 11:24	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/05/20 11:24	1330-20-7	
cis-1,2-Dichloroethene	11.6	ug/L	1.0	0.27	1		10/05/20 11:24	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/05/20 11:24	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/05/20 11:24	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/05/20 11:24	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/05/20 11:24	460-00-4	
Dibromofluoromethane (S)	93	%	70-130		1		10/05/20 11:24	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/05/20 11:24	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215658

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**Sample: FDUP-001**      **Lab ID: 40215658009**      Collected: 09/28/20 00:00      Received: 10/01/20 07:00      Matrix: Water

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Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	<b>38.8</b>	mg/L	2.0	0.43	1		10/07/20 21:40	16887-00-6	
Sulfate	<b>22.6</b>	mg/L	2.0	0.44	1		10/07/20 21:40	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>298</b>	mg/L	24.8	7.4	1		10/05/20 17:23		
<b>353.2 Nitrogen, NO<sub>2</sub>/NO<sub>3</sub> pres.</b>									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO <sub>2</sub> plus NO <sub>3</sub>	<b>9.4</b>	mg/L	0.25	0.059	1		10/13/20 13:45		
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>0.89</b>	mg/L	0.50	0.15	1		10/05/20 02:01	7440-44-0	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER LF - RE  
Pace Project No.: 40215658

**Sample: TB-001**      **Lab ID: 40215658010**      Collected: 09/28/20 00:00      Received: 10/01/20 07:00      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/06/20 08:10	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/06/20 08:10	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/06/20 08:10	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/06/20 08:10	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/06/20 08:10	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/06/20 08:10	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/06/20 08:10	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/06/20 08:10	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/06/20 08:10	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/06/20 08:10	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/06/20 08:10	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/06/20 08:10	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/06/20 08:10	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/06/20 08:10	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/06/20 08:10	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/06/20 08:10	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/06/20 08:10	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/06/20 08:10	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/06/20 08:10	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/06/20 08:10	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/06/20 08:10	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/06/20 08:10	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/06/20 08:10	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/06/20 08:10	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/06/20 08:10	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/06/20 08:10	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/06/20 08:10	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/06/20 08:10	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/06/20 08:10	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/06/20 08:10	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/06/20 08:10	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/06/20 08:10	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/06/20 08:10	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/06/20 08:10	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/06/20 08:10	460-00-4	
Dibromofluoromethane (S)	93	%	70-130		1		10/06/20 08:10	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		10/06/20 08:10	2037-26-5	

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## QUALIFIERS

Project: 376175.0 PH4 LEMBERGER LF - RE

Pace Project No.: 40215658

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### 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

B Analyte was detected in the associated method blank.

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

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## ANALYTICAL RESULTS

Project: 376175 P4 LEMBERGER LF RES

Pace Project No.: 40216881

**Sample: GR-66**      **Lab ID: 40216881001**      Collected: 10/18/20 11:29      Received: 10/21/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/25/20 09:31	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/25/20 09:31	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/25/20 09:31	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/25/20 09:31	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/25/20 09:31	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/25/20 09:31	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/25/20 09:31	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/25/20 09:31	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/25/20 09:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/25/20 09:31	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/25/20 09:31	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/25/20 09:31	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/25/20 09:31	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/25/20 09:31	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/25/20 09:31	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/25/20 09:31	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/25/20 09:31	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/25/20 09:31	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/25/20 09:31	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/25/20 09:31	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/25/20 09:31	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/25/20 09:31	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/25/20 09:31	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/25/20 09:31	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/25/20 09:31	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/25/20 09:31	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/25/20 09:31	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/25/20 09:31	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/25/20 09:31	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/25/20 09:31	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/25/20 09:31	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/25/20 09:31	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/25/20 09:31	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/25/20 09:31	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/25/20 09:31	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		10/25/20 09:31	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/25/20 09:31	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175 P4 LEMBERGER LF RES

Pace Project No.: 40216881

**Sample: GR-11**      **Lab ID: 40216881002**      Collected: 10/18/20 12:05      Received: 10/21/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/25/20 09:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/25/20 09:54	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/25/20 09:54	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/25/20 09:54	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/25/20 09:54	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/25/20 09:54	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/25/20 09:54	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/25/20 09:54	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/25/20 09:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/25/20 09:54	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/25/20 09:54	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/25/20 09:54	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/25/20 09:54	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/25/20 09:54	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/25/20 09:54	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/25/20 09:54	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/25/20 09:54	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/25/20 09:54	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/25/20 09:54	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/25/20 09:54	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/25/20 09:54	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/25/20 09:54	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/25/20 09:54	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/25/20 09:54	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/25/20 09:54	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/25/20 09:54	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/25/20 09:54	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/25/20 09:54	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/25/20 09:54	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/25/20 09:54	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/25/20 09:54	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/25/20 09:54	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/25/20 09:54	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/25/20 09:54	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/25/20 09:54	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		10/25/20 09:54	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/25/20 09:54	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175 P4 LEMBERGER LF RES  
Pace Project No.: 40216881

**Sample: GR-14**      **Lab ID: 40216881003**      Collected: 10/18/20 13:10      Received: 10/21/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/25/20 10:16	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/25/20 10:16	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/25/20 10:16	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/25/20 10:16	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/25/20 10:16	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/25/20 10:16	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/25/20 10:16	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/25/20 10:16	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/25/20 10:16	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/25/20 10:16	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/25/20 10:16	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/25/20 10:16	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/25/20 10:16	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/25/20 10:16	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/25/20 10:16	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/25/20 10:16	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/25/20 10:16	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/25/20 10:16	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/25/20 10:16	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/25/20 10:16	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/25/20 10:16	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/25/20 10:16	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/25/20 10:16	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/25/20 10:16	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/25/20 10:16	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/25/20 10:16	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/25/20 10:16	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/25/20 10:16	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/25/20 10:16	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/25/20 10:16	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/25/20 10:16	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/25/20 10:16	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/25/20 10:16	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/25/20 10:16	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/25/20 10:16	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		10/25/20 10:16	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/25/20 10:16	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175 P4 LEMBERGER LF RES

Pace Project No.: 40216881

**Sample: GR-16**      **Lab ID: 40216881004**      Collected: 10/18/20 14:00      Received: 10/21/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/25/20 10:39	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/25/20 10:39	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/25/20 10:39	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/25/20 10:39	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/25/20 10:39	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/25/20 10:39	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/25/20 10:39	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/25/20 10:39	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/25/20 10:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/25/20 10:39	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/25/20 10:39	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/25/20 10:39	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/25/20 10:39	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/25/20 10:39	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/25/20 10:39	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/25/20 10:39	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/25/20 10:39	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/25/20 10:39	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/25/20 10:39	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/25/20 10:39	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/25/20 10:39	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/25/20 10:39	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/25/20 10:39	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/25/20 10:39	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/25/20 10:39	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/25/20 10:39	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/25/20 10:39	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/25/20 10:39	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/25/20 10:39	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/25/20 10:39	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/25/20 10:39	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/25/20 10:39	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/25/20 10:39	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/25/20 10:39	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/25/20 10:39	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		10/25/20 10:39	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/25/20 10:39	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175 P4 LEMBERGER LF RES

Pace Project No.: 40216881

**Sample: GR-74**      **Lab ID: 40216881005**      Collected: 10/18/20 14:55      Received: 10/21/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/25/20 11:01	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/25/20 11:01	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/25/20 11:01	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/25/20 11:01	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/25/20 11:01	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/25/20 11:01	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/25/20 11:01	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/25/20 11:01	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/25/20 11:01	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/25/20 11:01	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/25/20 11:01	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/25/20 11:01	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/25/20 11:01	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/25/20 11:01	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/25/20 11:01	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/25/20 11:01	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/25/20 11:01	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/25/20 11:01	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/25/20 11:01	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/25/20 11:01	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/25/20 11:01	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/25/20 11:01	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/25/20 11:01	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/25/20 11:01	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/25/20 11:01	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/25/20 11:01	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/25/20 11:01	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/25/20 11:01	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/25/20 11:01	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/25/20 11:01	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/25/20 11:01	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/25/20 11:01	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/25/20 11:01	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/25/20 11:01	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/25/20 11:01	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		10/25/20 11:01	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/25/20 11:01	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175 P4 LEMBERGER LF RES  
Pace Project No.: 40216881

**Sample: GR-30**      **Lab ID: 40216881006**      Collected: 10/18/20 15:40      Received: 10/21/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<b>0.33J</b>	ug/L	1.0	0.24	1		10/25/20 11:24	71-55-6	
1,1,2,2-Tetrachloroethane	<b>&lt;0.28</b>	ug/L	1.0	0.28	1		10/25/20 11:24	79-34-5	
1,1,2-Trichloroethane	<b>&lt;0.55</b>	ug/L	5.0	0.55	1		10/25/20 11:24	79-00-5	
1,1-Dichloroethane	<b>&lt;0.27</b>	ug/L	1.0	0.27	1		10/25/20 11:24	75-34-3	
1,1-Dichloroethene	<b>&lt;0.24</b>	ug/L	1.0	0.24	1		10/25/20 11:24	75-35-4	
1,2-Dichloroethane	<b>&lt;0.28</b>	ug/L	1.0	0.28	1		10/25/20 11:24	107-06-2	
1,2-Dichloropropane	<b>&lt;0.28</b>	ug/L	1.0	0.28	1		10/25/20 11:24	78-87-5	
2-Butanone (MEK)	<b>&lt;2.9</b>	ug/L	20.0	2.9	1		10/25/20 11:24	78-93-3	
2-Hexanone	<b>&lt;5.2</b>	ug/L	17.4	5.2	1		10/25/20 11:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	<b>&lt;4.6</b>	ug/L	15.5	4.6	1		10/25/20 11:24	108-10-1	
Acetone	<b>&lt;2.7</b>	ug/L	20.0	2.7	1		10/25/20 11:24	67-64-1	
Benzene	<b>&lt;0.25</b>	ug/L	1.0	0.25	1		10/25/20 11:24	71-43-2	
Bromodichloromethane	<b>&lt;0.36</b>	ug/L	1.2	0.36	1		10/25/20 11:24	75-27-4	
Bromoform	<b>&lt;4.0</b>	ug/L	13.2	4.0	1		10/25/20 11:24	75-25-2	
Bromomethane	<b>&lt;0.97</b>	ug/L	5.0	0.97	1		10/25/20 11:24	74-83-9	
Carbon disulfide	<b>&lt;0.45</b>	ug/L	1.5	0.45	1		10/25/20 11:24	75-15-0	
Carbon tetrachloride	<b>&lt;1.1</b>	ug/L	3.6	1.1	1		10/25/20 11:24	56-23-5	
Chlorobenzene	<b>&lt;0.71</b>	ug/L	2.4	0.71	1		10/25/20 11:24	108-90-7	
Chloroethane	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		10/25/20 11:24	75-00-3	
Chloroform	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		10/25/20 11:24	67-66-3	
Chloromethane	<b>&lt;2.2</b>	ug/L	7.3	2.2	1		10/25/20 11:24	74-87-3	
Dibromochloromethane	<b>&lt;2.6</b>	ug/L	8.7	2.6	1		10/25/20 11:24	124-48-1	
Ethylbenzene	<b>&lt;0.32</b>	ug/L	1.1	0.32	1		10/25/20 11:24	100-41-4	
Methylene Chloride	<b>&lt;0.58</b>	ug/L	5.0	0.58	1		10/25/20 11:24	75-09-2	
Styrene	<b>&lt;3.0</b>	ug/L	10.0	3.0	1		10/25/20 11:24	100-42-5	
Tetrachloroethene	<b>&lt;0.33</b>	ug/L	1.1	0.33	1		10/25/20 11:24	127-18-4	
Toluene	<b>&lt;0.27</b>	ug/L	1.0	0.27	1		10/25/20 11:24	108-88-3	
Trichloroethene	<b>&lt;0.26</b>	ug/L	1.0	0.26	1		10/25/20 11:24	79-01-6	
Vinyl chloride	<b>&lt;0.17</b>	ug/L	1.0	0.17	1		10/25/20 11:24	75-01-4	
Xylene (Total)	<b>&lt;1.5</b>	ug/L	3.0	1.5	1		10/25/20 11:24	1330-20-7	
cis-1,2-Dichloroethene	<b>&lt;0.27</b>	ug/L	1.0	0.27	1		10/25/20 11:24	156-59-2	
cis-1,3-Dichloropropene	<b>&lt;3.6</b>	ug/L	12.1	3.6	1		10/25/20 11:24	10061-01-5	
trans-1,2-Dichloroethene	<b>&lt;0.46</b>	ug/L	1.5	0.46	1		10/25/20 11:24	156-60-5	
trans-1,3-Dichloropropene	<b>&lt;4.4</b>	ug/L	14.6	4.4	1		10/25/20 11:24	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/25/20 11:24	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		10/25/20 11:24	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/25/20 11:24	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175 P4 LEMBERGER LF RES  
Pace Project No.: 40216881

**Sample: GR-FDUP-002**      **Lab ID: 40216881007**      Collected: 10/18/20 00:00      Received: 10/21/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/25/20 11:46	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/25/20 11:46	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/25/20 11:46	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/25/20 11:46	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/25/20 11:46	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/25/20 11:46	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/25/20 11:46	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/25/20 11:46	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/25/20 11:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/25/20 11:46	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/25/20 11:46	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/25/20 11:46	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/25/20 11:46	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/25/20 11:46	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/25/20 11:46	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/25/20 11:46	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/25/20 11:46	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/25/20 11:46	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/25/20 11:46	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/25/20 11:46	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/25/20 11:46	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/25/20 11:46	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/25/20 11:46	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/25/20 11:46	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/25/20 11:46	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/25/20 11:46	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/25/20 11:46	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/25/20 11:46	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/25/20 11:46	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/25/20 11:46	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/25/20 11:46	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/25/20 11:46	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/25/20 11:46	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/25/20 11:46	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		10/25/20 11:46	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		10/25/20 11:46	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/25/20 11:46	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175 P4 LEMBERGER LF RES  
Pace Project No.: 40216881

**Sample: TB-001**      **Lab ID: 40216881008**      Collected: 10/18/20 00:00      Received: 10/21/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/24/20 15:50	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/24/20 15:50	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/24/20 15:50	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/24/20 15:50	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/24/20 15:50	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/24/20 15:50	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/24/20 15:50	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		10/24/20 15:50	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		10/24/20 15:50	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		10/24/20 15:50	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		10/24/20 15:50	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		10/24/20 15:50	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/24/20 15:50	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/24/20 15:50	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/24/20 15:50	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		10/24/20 15:50	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/24/20 15:50	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/24/20 15:50	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/24/20 15:50	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/24/20 15:50	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/24/20 15:50	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/24/20 15:50	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/24/20 15:50	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/24/20 15:50	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		10/24/20 15:50	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/24/20 15:50	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/24/20 15:50	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/24/20 15:50	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/24/20 15:50	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		10/24/20 15:50	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/24/20 15:50	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/24/20 15:50	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/24/20 15:50	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/24/20 15:50	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/24/20 15:50	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		10/24/20 15:50	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/24/20 15:50	2037-26-5	

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## QUALIFIERS

Project: 376175 P4 LEMBERGER LF RES

Pace Project No.: 40216881

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### 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: 376175.0 PH4 LEMBERGER PLUME

Pace Project No.: 40217355

**Sample: RM-401XD**      **Lab ID: 40217355001**      Collected: 10/26/20 09:28      Received: 10/29/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	21.3	ug/L	1.0	0.24	1		11/05/20 12:07	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 12:07	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/05/20 12:07	79-00-5	
1,1-Dichloroethane	11.6	ug/L	1.0	0.27	1		11/05/20 12:07	75-34-3	
1,1-Dichloroethene	3.3	ug/L	1.0	0.24	1		11/05/20 12:07	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 12:07	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/05/20 12:07	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/05/20 12:07	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/05/20 12:07	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/05/20 12:07	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/05/20 12:07	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/05/20 12:07	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/05/20 12:07	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/05/20 12:07	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/05/20 12:07	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/05/20 12:07	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/05/20 12:07	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/05/20 12:07	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/05/20 12:07	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/05/20 12:07	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/05/20 12:07	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/05/20 12:07	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/05/20 12:07	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/05/20 12:07	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/05/20 12:07	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/05/20 12:07	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/05/20 12:07	108-88-3	
Trichloroethene	4.0	ug/L	1.0	0.26	1		11/05/20 12:07	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/05/20 12:07	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/05/20 12:07	1330-20-7	
cis-1,2-Dichloroethene	7.0	ug/L	1.0	0.27	1		11/05/20 12:07	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/05/20 12:07	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/05/20 12:07	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/05/20 12:07	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		11/05/20 12:07	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/05/20 12:07	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/05/20 12:07	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME

Pace Project No.: 40217355

**Sample: RM-005D**      **Lab ID: 40217355002**      Collected: 10/26/20 10:54      Received: 10/29/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	19.7	ug/L	1.0	0.24	1		11/05/20 11:45	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 11:45	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/05/20 11:45	79-00-5	
1,1-Dichloroethane	10.7	ug/L	1.0	0.27	1		11/05/20 11:45	75-34-3	
1,1-Dichloroethene	3.1	ug/L	1.0	0.24	1		11/05/20 11:45	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 11:45	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/05/20 11:45	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/05/20 11:45	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/05/20 11:45	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/05/20 11:45	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/05/20 11:45	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/05/20 11:45	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/05/20 11:45	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/05/20 11:45	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/05/20 11:45	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/05/20 11:45	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/05/20 11:45	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/05/20 11:45	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/05/20 11:45	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/05/20 11:45	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/05/20 11:45	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/05/20 11:45	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/05/20 11:45	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/05/20 11:45	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/05/20 11:45	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/05/20 11:45	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/05/20 11:45	108-88-3	
Trichloroethene	3.8	ug/L	1.0	0.26	1		11/05/20 11:45	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/05/20 11:45	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/05/20 11:45	1330-20-7	
cis-1,2-Dichloroethene	7.3	ug/L	1.0	0.27	1		11/05/20 11:45	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/05/20 11:45	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/05/20 11:45	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/05/20 11:45	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		11/05/20 11:45	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/05/20 11:45	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		11/05/20 11:45	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME  
Pace Project No.: 40217355

**Sample: RM-208XD**      **Lab ID: 40217355003**      Collected: 10/26/20 12:51      Received: 10/29/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/05/20 12:30	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 12:30	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/05/20 12:30	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/05/20 12:30	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/05/20 12:30	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 12:30	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/05/20 12:30	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/05/20 12:30	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/05/20 12:30	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/05/20 12:30	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/05/20 12:30	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/05/20 12:30	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/05/20 12:30	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/05/20 12:30	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/05/20 12:30	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/05/20 12:30	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/05/20 12:30	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/05/20 12:30	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/05/20 12:30	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/05/20 12:30	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/05/20 12:30	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/05/20 12:30	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/05/20 12:30	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/05/20 12:30	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/05/20 12:30	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/05/20 12:30	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/05/20 12:30	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/05/20 12:30	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/05/20 12:30	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/05/20 12:30	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/05/20 12:30	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/05/20 12:30	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/05/20 12:30	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/05/20 12:30	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		11/05/20 12:30	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/05/20 12:30	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		11/05/20 12:30	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME

Pace Project No.: 40217355

**Sample: RM-208D**      **Lab ID: 40217355004**      Collected: 10/26/20 14:00      Received: 10/29/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	14.6	ug/L	1.0	0.24	1		11/05/20 12:52	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 12:52	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/05/20 12:52	79-00-5	
1,1-Dichloroethane	7.7	ug/L	1.0	0.27	1		11/05/20 12:52	75-34-3	
1,1-Dichloroethene	2.1	ug/L	1.0	0.24	1		11/05/20 12:52	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 12:52	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/05/20 12:52	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/05/20 12:52	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/05/20 12:52	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/05/20 12:52	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/05/20 12:52	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/05/20 12:52	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/05/20 12:52	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/05/20 12:52	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/05/20 12:52	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/05/20 12:52	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/05/20 12:52	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/05/20 12:52	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/05/20 12:52	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/05/20 12:52	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/05/20 12:52	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/05/20 12:52	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/05/20 12:52	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/05/20 12:52	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/05/20 12:52	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/05/20 12:52	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/05/20 12:52	108-88-3	
Trichloroethene	3.2	ug/L	1.0	0.26	1		11/05/20 12:52	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/05/20 12:52	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/05/20 12:52	1330-20-7	
cis-1,2-Dichloroethene	4.9	ug/L	1.0	0.27	1		11/05/20 12:52	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/05/20 12:52	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/05/20 12:52	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/05/20 12:52	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		11/05/20 12:52	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/05/20 12:52	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		11/05/20 12:52	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME  
Pace Project No.: 40217355

**Sample: FDUP-003**      **Lab ID: 40217355005**      Collected: 10/26/20 00:00      Received: 10/29/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	21.8	ug/L	1.0	0.24	1		11/05/20 13:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 13:15	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/05/20 13:15	79-00-5	
1,1-Dichloroethane	12.0	ug/L	1.0	0.27	1		11/05/20 13:15	75-34-3	
1,1-Dichloroethene	3.2	ug/L	1.0	0.24	1		11/05/20 13:15	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 13:15	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/05/20 13:15	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/05/20 13:15	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/05/20 13:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/05/20 13:15	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/05/20 13:15	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/05/20 13:15	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/05/20 13:15	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/05/20 13:15	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/05/20 13:15	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/05/20 13:15	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/05/20 13:15	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/05/20 13:15	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/05/20 13:15	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/05/20 13:15	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/05/20 13:15	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/05/20 13:15	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/05/20 13:15	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/05/20 13:15	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/05/20 13:15	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/05/20 13:15	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/05/20 13:15	108-88-3	
Trichloroethene	4.1	ug/L	1.0	0.26	1		11/05/20 13:15	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/05/20 13:15	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/05/20 13:15	1330-20-7	
cis-1,2-Dichloroethene	7.1	ug/L	1.0	0.27	1		11/05/20 13:15	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/05/20 13:15	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/05/20 13:15	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/05/20 13:15	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		11/05/20 13:15	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		11/05/20 13:15	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/05/20 13:15	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME

Pace Project No.: 40217355

**Sample: OW-104F**      **Lab ID: 40217355006**      Collected: 10/27/20 09:36      Received: 10/29/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	171J	ug/L	250	58.0	1	11/04/20 06:27	11/04/20 20:19	7439-89-6	
Manganese	6.7	ug/L	4.0	1.2	1	11/04/20 06:27	11/04/20 20:19	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	6.5	ug/L	1.0	0.24	1		11/05/20 13:37	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 13:37	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/05/20 13:37	79-00-5	
1,1-Dichloroethane	2.7	ug/L	1.0	0.27	1		11/05/20 13:37	75-34-3	
1,1-Dichloroethene	1.4	ug/L	1.0	0.24	1		11/05/20 13:37	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 13:37	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/05/20 13:37	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/05/20 13:37	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/05/20 13:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/05/20 13:37	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/05/20 13:37	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/05/20 13:37	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/05/20 13:37	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/05/20 13:37	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/05/20 13:37	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/05/20 13:37	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/05/20 13:37	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/05/20 13:37	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/05/20 13:37	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/05/20 13:37	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/05/20 13:37	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/05/20 13:37	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/05/20 13:37	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/05/20 13:37	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/05/20 13:37	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/05/20 13:37	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/05/20 13:37	108-88-3	
Trichloroethene	3.3	ug/L	1.0	0.26	1		11/05/20 13:37	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/05/20 13:37	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/05/20 13:37	1330-20-7	
cis-1,2-Dichloroethene	2.3	ug/L	1.0	0.27	1		11/05/20 13:37	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/05/20 13:37	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/05/20 13:37	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/05/20 13:37	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		11/05/20 13:37	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/05/20 13:37	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/05/20 13:37	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME

Pace Project No.: 40217355

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**Sample: OW-104F**      **Lab ID: 40217355006**      Collected: 10/27/20 09:36      Received: 10/29/20 07:30      Matrix: Water

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Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	<b>8.3</b>	mg/L	2.0	0.43	1		11/10/20 05:35	16887-00-6	
Sulfate	<b>22.7</b>	mg/L	2.0	0.44	1		11/10/20 05:35	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>290</b>	mg/L	24.8	7.4	1		11/03/20 16:03		
<b>353.2 Nitrogen, NO<sub>2</sub>/NO<sub>3</sub> pres.</b>									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO <sub>2</sub> plus NO <sub>3</sub>	<b>1.8</b>	mg/L	0.25	0.059	1		11/10/20 18:37		
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>0.70</b>	mg/L	0.50	0.14	1		11/04/20 00:12	7440-44-0	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME

Pace Project No.: 40217355

**Sample: RM-203D**      **Lab ID: 40217355007**      Collected: 10/27/20 11:20      Received: 10/29/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	<b>127J</b>	ug/L	250	58.0	1	11/04/20 06:27	11/04/20 20:47	7439-89-6	
Manganese	<b>2.5J</b>	ug/L	4.0	1.2	1	11/04/20 06:27	11/04/20 20:47	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<b>0.43J</b>	ug/L	1.0	0.24	1		11/05/20 13:59	71-55-6	
1,1,2,2-Tetrachloroethane	<b>&lt;0.28</b>	ug/L	1.0	0.28	1		11/05/20 13:59	79-34-5	
1,1,2-Trichloroethane	<b>&lt;0.55</b>	ug/L	5.0	0.55	1		11/05/20 13:59	79-00-5	
1,1-Dichloroethane	<b>&lt;0.27</b>	ug/L	1.0	0.27	1		11/05/20 13:59	75-34-3	
1,1-Dichloroethene	<b>&lt;0.24</b>	ug/L	1.0	0.24	1		11/05/20 13:59	75-35-4	
1,2-Dichloroethane	<b>&lt;0.28</b>	ug/L	1.0	0.28	1		11/05/20 13:59	107-06-2	
1,2-Dichloropropane	<b>&lt;0.28</b>	ug/L	1.0	0.28	1		11/05/20 13:59	78-87-5	
2-Butanone (MEK)	<b>&lt;2.9</b>	ug/L	20.0	2.9	1		11/05/20 13:59	78-93-3	
2-Hexanone	<b>&lt;5.2</b>	ug/L	17.4	5.2	1		11/05/20 13:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	<b>&lt;4.6</b>	ug/L	15.5	4.6	1		11/05/20 13:59	108-10-1	
Acetone	<b>&lt;2.7</b>	ug/L	20.0	2.7	1		11/05/20 13:59	67-64-1	
Benzene	<b>&lt;0.25</b>	ug/L	1.0	0.25	1		11/05/20 13:59	71-43-2	
Bromodichloromethane	<b>&lt;0.36</b>	ug/L	1.2	0.36	1		11/05/20 13:59	75-27-4	
Bromoform	<b>&lt;4.0</b>	ug/L	13.2	4.0	1		11/05/20 13:59	75-25-2	
Bromomethane	<b>&lt;0.97</b>	ug/L	5.0	0.97	1		11/05/20 13:59	74-83-9	
Carbon disulfide	<b>&lt;0.45</b>	ug/L	1.5	0.45	1		11/05/20 13:59	75-15-0	
Carbon tetrachloride	<b>&lt;1.1</b>	ug/L	3.6	1.1	1		11/05/20 13:59	56-23-5	
Chlorobenzene	<b>&lt;0.71</b>	ug/L	2.4	0.71	1		11/05/20 13:59	108-90-7	
Chloroethane	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		11/05/20 13:59	75-00-3	
Chloroform	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		11/05/20 13:59	67-66-3	
Chloromethane	<b>&lt;2.2</b>	ug/L	7.3	2.2	1		11/05/20 13:59	74-87-3	
Dibromochloromethane	<b>&lt;2.6</b>	ug/L	8.7	2.6	1		11/05/20 13:59	124-48-1	
Ethylbenzene	<b>&lt;0.32</b>	ug/L	1.1	0.32	1		11/05/20 13:59	100-41-4	
Methylene Chloride	<b>&lt;0.58</b>	ug/L	5.0	0.58	1		11/05/20 13:59	75-09-2	
Styrene	<b>&lt;3.0</b>	ug/L	10.0	3.0	1		11/05/20 13:59	100-42-5	
Tetrachloroethene	<b>&lt;0.33</b>	ug/L	1.1	0.33	1		11/05/20 13:59	127-18-4	
Toluene	<b>&lt;0.27</b>	ug/L	1.0	0.27	1		11/05/20 13:59	108-88-3	
Trichloroethene	<b>&lt;0.26</b>	ug/L	1.0	0.26	1		11/05/20 13:59	79-01-6	
Vinyl chloride	<b>&lt;0.17</b>	ug/L	1.0	0.17	1		11/05/20 13:59	75-01-4	
Xylene (Total)	<b>&lt;1.5</b>	ug/L	3.0	1.5	1		11/05/20 13:59	1330-20-7	
cis-1,2-Dichloroethene	<b>&lt;0.27</b>	ug/L	1.0	0.27	1		11/05/20 13:59	156-59-2	
cis-1,3-Dichloropropene	<b>&lt;3.6</b>	ug/L	12.1	3.6	1		11/05/20 13:59	10061-01-5	
trans-1,2-Dichloroethene	<b>&lt;0.46</b>	ug/L	1.5	0.46	1		11/05/20 13:59	156-60-5	
trans-1,3-Dichloropropene	<b>&lt;4.4</b>	ug/L	14.6	4.4	1		11/05/20 13:59	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		11/05/20 13:59	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/05/20 13:59	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/05/20 13:59	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME  
Pace Project No.: 40217355

**Sample: RM-203D**      **Lab ID: 40217355007**      Collected: 10/27/20 11:20      Received: 10/29/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>29.4</b>	mg/L	2.0	0.43	1		11/10/20 05:50	16887-00-6	
Sulfate	<b>20.0</b>	mg/L	2.0	0.44	1		11/10/20 05:50	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>354</b>	mg/L	24.8	7.4	1		11/03/20 16:04		
<b>353.2 Nitrogen, NO<sub>2</sub>/NO<sub>3</sub> pres.</b>									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO <sub>2</sub> plus NO <sub>3</sub>	<b>8.9</b>	mg/L	0.25	0.059	1		11/10/20 18:39		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>1.2</b>	mg/L	0.50	0.14	1		11/04/20 00:26	7440-44-0	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME

Pace Project No.: 40217355

**Sample: RM-102D**      **Lab ID: 40217355008**      Collected: 10/27/20 14:38      Received: 10/29/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	81.2J	ug/L	250	58.0	1	11/04/20 06:27	11/04/20 21:00	7439-89-6	
Manganese	1.4J	ug/L	4.0	1.2	1	11/04/20 06:27	11/04/20 21:00	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/05/20 14:22	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 14:22	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/05/20 14:22	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/05/20 14:22	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/05/20 14:22	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 14:22	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/05/20 14:22	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/05/20 14:22	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/05/20 14:22	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/05/20 14:22	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/05/20 14:22	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/05/20 14:22	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/05/20 14:22	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/05/20 14:22	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/05/20 14:22	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/05/20 14:22	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/05/20 14:22	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/05/20 14:22	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/05/20 14:22	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/05/20 14:22	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/05/20 14:22	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/05/20 14:22	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/05/20 14:22	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/05/20 14:22	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/05/20 14:22	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/05/20 14:22	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/05/20 14:22	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/05/20 14:22	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/05/20 14:22	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/05/20 14:22	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/05/20 14:22	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/05/20 14:22	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/05/20 14:22	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/05/20 14:22	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		11/05/20 14:22	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/05/20 14:22	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/05/20 14:22	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME

Pace Project No.: 40217355

**Sample: RM-102D**      **Lab ID: 40217355008**      Collected: 10/27/20 14:38      Received: 10/29/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	<b>14.2</b>	mg/L	2.0	0.43	1		11/10/20 06:05	16887-00-6	
Sulfate	<b>8.8</b>	mg/L	2.0	0.44	1		11/10/20 06:05	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>312</b>	mg/L	24.8	7.4	1		11/03/20 16:06		
<b>353.2 Nitrogen, NO<sub>2</sub>/NO<sub>3</sub> pres.</b>									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO <sub>2</sub> plus NO <sub>3</sub>	<b>12.2</b>	mg/L	0.50	0.12	2		11/10/20 18:41		
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>1.9</b>	mg/L	0.50	0.14	1		11/04/20 00:40	7440-44-0	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME

Pace Project No.: 40217355

**Sample: RM-211D**      **Lab ID: 40217355009**      Collected: 10/27/20 16:03      Received: 10/29/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	6.3	ug/L	1.0	0.24	1		11/05/20 14:44	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 14:44	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/05/20 14:44	79-00-5	
1,1-Dichloroethane	2.5	ug/L	1.0	0.27	1		11/05/20 14:44	75-34-3	
1,1-Dichloroethene	0.45J	ug/L	1.0	0.24	1		11/05/20 14:44	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 14:44	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/05/20 14:44	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/05/20 14:44	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/05/20 14:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/05/20 14:44	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/05/20 14:44	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/05/20 14:44	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/05/20 14:44	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/05/20 14:44	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/05/20 14:44	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/05/20 14:44	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/05/20 14:44	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/05/20 14:44	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/05/20 14:44	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/05/20 14:44	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/05/20 14:44	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/05/20 14:44	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/05/20 14:44	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/05/20 14:44	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/05/20 14:44	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/05/20 14:44	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/05/20 14:44	108-88-3	
Trichloroethene	1.1	ug/L	1.0	0.26	1		11/05/20 14:44	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/05/20 14:44	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/05/20 14:44	1330-20-7	
cis-1,2-Dichloroethene	0.62J	ug/L	1.0	0.27	1		11/05/20 14:44	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/05/20 14:44	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/05/20 14:44	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/05/20 14:44	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		11/05/20 14:44	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/05/20 14:44	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/05/20 14:44	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME  
Pace Project No.: 40217355

**Sample: RM-202D**      **Lab ID: 40217355010**      Collected: 10/28/20 09:17      Received: 10/29/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/05/20 15:07	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 15:07	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/05/20 15:07	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/05/20 15:07	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/05/20 15:07	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 15:07	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/05/20 15:07	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/05/20 15:07	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/05/20 15:07	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/05/20 15:07	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/05/20 15:07	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/05/20 15:07	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/05/20 15:07	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/05/20 15:07	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/05/20 15:07	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/05/20 15:07	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/05/20 15:07	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/05/20 15:07	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/05/20 15:07	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/05/20 15:07	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/05/20 15:07	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/05/20 15:07	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/05/20 15:07	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/05/20 15:07	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/05/20 15:07	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/05/20 15:07	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/05/20 15:07	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/05/20 15:07	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/05/20 15:07	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/05/20 15:07	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/05/20 15:07	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/05/20 15:07	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/05/20 15:07	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/05/20 15:07	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		11/05/20 15:07	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/05/20 15:07	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/05/20 15:07	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME  
Pace Project No.: 40217355

**Sample: RM-214D**      **Lab ID: 40217355011**      Collected: 10/28/20 12:09      Received: 10/29/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	9.3	ug/L	1.0	0.24	1		11/05/20 15:29	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 15:29	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/05/20 15:29	79-00-5	
1,1-Dichloroethane	4.8	ug/L	1.0	0.27	1		11/05/20 15:29	75-34-3	
1,1-Dichloroethene	0.58J	ug/L	1.0	0.24	1		11/05/20 15:29	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 15:29	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/05/20 15:29	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/05/20 15:29	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/05/20 15:29	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/05/20 15:29	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/05/20 15:29	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/05/20 15:29	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/05/20 15:29	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/05/20 15:29	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/05/20 15:29	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/05/20 15:29	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/05/20 15:29	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/05/20 15:29	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/05/20 15:29	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/05/20 15:29	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/05/20 15:29	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/05/20 15:29	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/05/20 15:29	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/05/20 15:29	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/05/20 15:29	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/05/20 15:29	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/05/20 15:29	108-88-3	
Trichloroethene	3.0	ug/L	1.0	0.26	1		11/05/20 15:29	79-01-6	
Vinyl chloride	0.49J	ug/L	1.0	0.17	1		11/05/20 15:29	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/05/20 15:29	1330-20-7	
cis-1,2-Dichloroethene	15.9	ug/L	1.0	0.27	1		11/05/20 15:29	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/05/20 15:29	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/05/20 15:29	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/05/20 15:29	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		11/05/20 15:29	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/05/20 15:29	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		11/05/20 15:29	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME

Pace Project No.: 40217355

**Sample: RM-213XD**      **Lab ID: 40217355012**      Collected: 10/28/20 14:11      Received: 10/29/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	15.9	ug/L	1.0	0.24	1		11/06/20 08:49	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 08:49	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/06/20 08:49	79-00-5	
1,1-Dichloroethane	5.9	ug/L	1.0	0.27	1		11/06/20 08:49	75-34-3	
1,1-Dichloroethene	2.5	ug/L	1.0	0.24	1		11/06/20 08:49	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 08:49	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/06/20 08:49	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/06/20 08:49	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/06/20 08:49	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/06/20 08:49	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/06/20 08:49	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/06/20 08:49	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/06/20 08:49	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/06/20 08:49	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/06/20 08:49	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/06/20 08:49	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/06/20 08:49	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 08:49	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/06/20 08:49	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/06/20 08:49	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/06/20 08:49	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/06/20 08:49	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/06/20 08:49	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/06/20 08:49	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/06/20 08:49	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/06/20 08:49	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/06/20 08:49	108-88-3	
Trichloroethene	3.0	ug/L	1.0	0.26	1		11/06/20 08:49	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/06/20 08:49	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/06/20 08:49	1330-20-7	
cis-1,2-Dichloroethene	4.2	ug/L	1.0	0.27	1		11/06/20 08:49	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/06/20 08:49	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/06/20 08:49	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/06/20 08:49	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		11/06/20 08:49	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		11/06/20 08:49	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		11/06/20 08:49	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME  
Pace Project No.: 40217355

Sample: RM-213D Lab ID: 40217355013 Collected: 10/28/20 16:12 Received: 10/29/20 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	2.4	ug/L	1.0	0.24	1		11/06/20 09:12	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 09:12	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/06/20 09:12	79-00-5	
1,1-Dichloroethane	0.29J	ug/L	1.0	0.27	1		11/06/20 09:12	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/06/20 09:12	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/06/20 09:12	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/06/20 09:12	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/06/20 09:12	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/06/20 09:12	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/06/20 09:12	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/06/20 09:12	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/06/20 09:12	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/06/20 09:12	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/06/20 09:12	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/06/20 09:12	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/06/20 09:12	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/06/20 09:12	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/06/20 09:12	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/06/20 09:12	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/06/20 09:12	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/06/20 09:12	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/06/20 09:12	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/06/20 09:12	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/06/20 09:12	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/06/20 09:12	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/06/20 09:12	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/06/20 09:12	108-88-3	
Trichloroethene	0.36J	ug/L	1.0	0.26	1		11/06/20 09:12	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/06/20 09:12	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/06/20 09:12	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/06/20 09:12	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/06/20 09:12	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/06/20 09:12	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/06/20 09:12	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		11/06/20 09:12	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/06/20 09:12	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/06/20 09:12	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME  
Pace Project No.: 40217355

**Sample: FB-003**      **Lab ID: 40217355014**      Collected: 10/28/20 17:10      Received: 10/29/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/05/20 10:37	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 10:37	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/05/20 10:37	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/05/20 10:37	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/05/20 10:37	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 10:37	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/05/20 10:37	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/05/20 10:37	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/05/20 10:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/05/20 10:37	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/05/20 10:37	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/05/20 10:37	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/05/20 10:37	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/05/20 10:37	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/05/20 10:37	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/05/20 10:37	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/05/20 10:37	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/05/20 10:37	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/05/20 10:37	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/05/20 10:37	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/05/20 10:37	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/05/20 10:37	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/05/20 10:37	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/05/20 10:37	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/05/20 10:37	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/05/20 10:37	127-18-4	
Toluene	1.8	ug/L	1.0	0.27	1		11/05/20 10:37	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/05/20 10:37	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/05/20 10:37	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/05/20 10:37	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/05/20 10:37	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/05/20 10:37	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/05/20 10:37	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/05/20 10:37	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		11/05/20 10:37	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/05/20 10:37	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		11/05/20 10:37	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMBERGER PLUME

Pace Project No.: 40217355

**Sample: TB-001**      **Lab ID: 40217355015**      Collected: 10/28/20 00:00      Received: 10/29/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/05/20 11:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 11:00	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/05/20 11:00	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/05/20 11:00	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/05/20 11:00	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/05/20 11:00	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/05/20 11:00	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/05/20 11:00	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/05/20 11:00	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/05/20 11:00	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/05/20 11:00	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/05/20 11:00	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/05/20 11:00	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/05/20 11:00	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/05/20 11:00	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/05/20 11:00	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/05/20 11:00	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/05/20 11:00	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/05/20 11:00	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/05/20 11:00	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/05/20 11:00	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/05/20 11:00	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/05/20 11:00	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/05/20 11:00	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/05/20 11:00	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/05/20 11:00	127-18-4	
Toluene	0.31J	ug/L	1.0	0.27	1		11/05/20 11:00	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/05/20 11:00	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/05/20 11:00	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/05/20 11:00	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/05/20 11:00	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/05/20 11:00	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/05/20 11:00	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/05/20 11:00	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		11/05/20 11:00	460-00-4	HS
Dibromofluoromethane (S)	98	%	70-130		1		11/05/20 11:00	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		11/05/20 11:00	2037-26-5	

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## QUALIFIERS

Project: 376175.0 PH4 LEMBERGER PLUME

Pace Project No.: 40217355

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### 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

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

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

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL  
Pace Project No.: 40217549

**Sample: RM-007XXD**      **Lab ID: 40217549001**      Collected: 10/30/20 08:43      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/04/20 12:32	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 12:32	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/04/20 12:32	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/04/20 12:32	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/04/20 12:32	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 12:32	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/04/20 12:32	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/04/20 12:32	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/04/20 12:32	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/04/20 12:32	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/04/20 12:32	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/04/20 12:32	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/04/20 12:32	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/04/20 12:32	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/04/20 12:32	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/04/20 12:32	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/04/20 12:32	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/04/20 12:32	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/04/20 12:32	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/04/20 12:32	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/04/20 12:32	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/04/20 12:32	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/04/20 12:32	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/04/20 12:32	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/04/20 12:32	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/04/20 12:32	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/04/20 12:32	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/20 12:32	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/20 12:32	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/20 12:32	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/04/20 12:32	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/04/20 12:32	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/04/20 12:32	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/04/20 12:32	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		11/04/20 12:32	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/04/20 12:32	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		11/04/20 12:32	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL

Pace Project No.: 40217549

**Sample: RM-007D**      **Lab ID: 40217549002**      Collected: 10/30/20 11:00      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	145J	ug/L	250	58.0	1	11/04/20 05:37	11/11/20 17:30	7439-89-6	
Manganese	17.2	ug/L	4.0	1.2	1	11/04/20 05:37	11/11/20 17:30	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	215	ug/L	2.5	0.61	2.5		11/04/20 13:36	71-55-6	
1,1,2,2-Tetrachloroethane	<0.69	ug/L	2.5	0.69	2.5		11/04/20 13:36	79-34-5	
1,1,2-Trichloroethane	<1.4	ug/L	12.5	1.4	2.5		11/04/20 13:36	79-00-5	
1,1-Dichloroethane	155	ug/L	2.5	0.68	2.5		11/04/20 13:36	75-34-3	
1,1-Dichloroethene	14.2	ug/L	2.5	0.61	2.5		11/04/20 13:36	75-35-4	
1,2-Dichloroethane	<0.70	ug/L	2.5	0.70	2.5		11/04/20 13:36	107-06-2	
1,2-Dichloropropane	<0.71	ug/L	2.5	0.71	2.5		11/04/20 13:36	78-87-5	
2-Butanone (MEK)	<7.3	ug/L	50.0	7.3	2.5		11/04/20 13:36	78-93-3	
2-Hexanone	<13.0	ug/L	43.4	13.0	2.5		11/04/20 13:36	591-78-6	
4-Methyl-2-pentanone (MIBK)	<11.6	ug/L	38.6	11.6	2.5		11/04/20 13:36	108-10-1	
Acetone	<6.9	ug/L	50.0	6.9	2.5		11/04/20 13:36	67-64-1	
Benzene	<0.62	ug/L	2.5	0.62	2.5		11/04/20 13:36	71-43-2	
Bromodichloromethane	<0.91	ug/L	3.0	0.91	2.5		11/04/20 13:36	75-27-4	
Bromoform	<9.9	ug/L	33.1	9.9	2.5		11/04/20 13:36	75-25-2	
Bromomethane	<2.4	ug/L	12.5	2.4	2.5		11/04/20 13:36	74-83-9	
Carbon disulfide	<1.1	ug/L	3.7	1.1	2.5		11/04/20 13:36	75-15-0	
Carbon tetrachloride	<2.7	ug/L	9.0	2.7	2.5		11/04/20 13:36	56-23-5	
Chlorobenzene	<1.8	ug/L	5.9	1.8	2.5		11/04/20 13:36	108-90-7	
Chloroethane	<3.4	ug/L	12.5	3.4	2.5		11/04/20 13:36	75-00-3	
Chloroform	<3.2	ug/L	12.5	3.2	2.5		11/04/20 13:36	67-66-3	
Chloromethane	<5.5	ug/L	18.2	5.5	2.5		11/04/20 13:36	74-87-3	
Dibromochloromethane	<6.5	ug/L	21.7	6.5	2.5		11/04/20 13:36	124-48-1	
Ethylbenzene	<0.80	ug/L	2.7	0.80	2.5		11/04/20 13:36	100-41-4	
Methylene Chloride	<1.5	ug/L	12.5	1.5	2.5		11/04/20 13:36	75-09-2	
Styrene	<7.5	ug/L	25.1	7.5	2.5		11/04/20 13:36	100-42-5	
Tetrachloroethene	2.8	ug/L	2.7	0.82	2.5		11/04/20 13:36	127-18-4	
Toluene	<0.67	ug/L	2.5	0.67	2.5		11/04/20 13:36	108-88-3	
Trichloroethene	43.6	ug/L	2.5	0.64	2.5		11/04/20 13:36	79-01-6	
Vinyl chloride	<0.44	ug/L	2.5	0.44	2.5		11/04/20 13:36	75-01-4	
Xylene (Total)	<3.8	ug/L	7.5	3.8	2.5		11/04/20 13:36	1330-20-7	
cis-1,2-Dichloroethene	48.8	ug/L	2.5	0.68	2.5		11/04/20 13:36	156-59-2	
cis-1,3-Dichloropropene	<9.1	ug/L	30.2	9.1	2.5		11/04/20 13:36	10061-01-5	
trans-1,2-Dichloroethene	<1.2	ug/L	3.9	1.2	2.5		11/04/20 13:36	156-60-5	
trans-1,3-Dichloropropene	<10.9	ug/L	36.4	10.9	2.5		11/04/20 13:36	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		2.5		11/04/20 13:36	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		2.5		11/04/20 13:36	1868-53-7	
Toluene-d8 (S)	92	%	70-130		2.5		11/04/20 13:36	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL

Pace Project No.: 40217549

**Sample: RM-007D**      **Lab ID: 40217549002**      Collected: 10/30/20 11:00      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	<b>9.4</b>	mg/L	2.0	0.43	1		11/12/20 04:14	16887-00-6	
Sulfate	<b>146</b>	mg/L	20.0	4.4	10		11/12/20 07:06	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>481</b>	mg/L	49.6	14.9	2		11/09/20 16:12		
<b>353.2 Nitrogen, NO<sub>2</sub>/NO<sub>3</sub> pres.</b>									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO <sub>2</sub> plus NO <sub>3</sub>	<b>1.6</b>	mg/L	0.25	0.059	1		11/12/20 10:47		
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>2.1</b>	mg/L	0.50	0.14	1		11/04/20 04:10	7440-44-0	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL

Pace Project No.: 40217549

**Sample: RM-007XD**      **Lab ID: 40217549003**      Collected: 10/30/20 12:31      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	11/04/20 05:37	11/11/20 17:36	7439-89-6	
Manganese	<1.2	ug/L	4.0	1.2	1	11/04/20 05:37	11/11/20 17:36	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	207	ug/L	1.0	0.24	1		11/04/20 12:53	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 12:53	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/04/20 12:53	79-00-5	
1,1-Dichloroethane	143	ug/L	1.0	0.27	1		11/04/20 12:53	75-34-3	
1,1-Dichloroethene	23.8	ug/L	1.0	0.24	1		11/04/20 12:53	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 12:53	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/04/20 12:53	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/04/20 12:53	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/04/20 12:53	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/04/20 12:53	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/04/20 12:53	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/04/20 12:53	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/04/20 12:53	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/04/20 12:53	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/04/20 12:53	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/04/20 12:53	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/04/20 12:53	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/04/20 12:53	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/04/20 12:53	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/04/20 12:53	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/04/20 12:53	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/04/20 12:53	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/04/20 12:53	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/04/20 12:53	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/04/20 12:53	100-42-5	
Tetrachloroethene	2.4	ug/L	1.1	0.33	1		11/04/20 12:53	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/04/20 12:53	108-88-3	
Trichloroethene	43.3	ug/L	1.0	0.26	1		11/04/20 12:53	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/20 12:53	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/20 12:53	1330-20-7	
cis-1,2-Dichloroethene	62.3	ug/L	1.0	0.27	1		11/04/20 12:53	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/04/20 12:53	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/04/20 12:53	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/04/20 12:53	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	87	%	70-130		1		11/04/20 12:53	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/04/20 12:53	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		11/04/20 12:53	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL  
Pace Project No.: 40217549

**Sample: RM-007XD**      **Lab ID: 40217549003**      Collected: 10/30/20 12:31      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>8.0</b>	mg/L	2.0	0.43	1		11/12/20 04:28	16887-00-6	
Sulfate	<b>107</b>	mg/L	10.0	2.2	5		11/12/20 07:21	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO3	<b>444</b>	mg/L	24.8	7.4	1		11/09/20 16:16		
<b>353.2 Nitrogen, NO2/NO3 pres.</b>									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO2 plus NO3	<b>1.3</b>	mg/L	0.25	0.059	1		11/12/20 10:48		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>1.5</b>	mg/L	0.50	0.14	1		11/04/20 05:14	7440-44-0	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL

Pace Project No.: 40217549

**Sample: RM-204D**      **Lab ID: 40217549004**      Collected: 10/30/20 17:19      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	<b>&lt;58.0</b>	ug/L	250	58.0	1	11/04/20 05:37	11/11/20 17:43	7439-89-6	
Manganese	<b>1.5J</b>	ug/L	4.0	1.2	1	11/04/20 05:37	11/11/20 17:43	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<b>11.5</b>	ug/L	1.0	0.24	1		11/04/20 14:19	71-55-6	
1,1,2,2-Tetrachloroethane	<b>&lt;0.28</b>	ug/L	1.0	0.28	1		11/04/20 14:19	79-34-5	
1,1,2-Trichloroethane	<b>&lt;0.55</b>	ug/L	5.0	0.55	1		11/04/20 14:19	79-00-5	
1,1-Dichloroethane	<b>6.7</b>	ug/L	1.0	0.27	1		11/04/20 14:19	75-34-3	
1,1-Dichloroethene	<b>1.0</b>	ug/L	1.0	0.24	1		11/04/20 14:19	75-35-4	
1,2-Dichloroethane	<b>&lt;0.28</b>	ug/L	1.0	0.28	1		11/04/20 14:19	107-06-2	
1,2-Dichloropropane	<b>&lt;0.28</b>	ug/L	1.0	0.28	1		11/04/20 14:19	78-87-5	
2-Butanone (MEK)	<b>&lt;2.9</b>	ug/L	20.0	2.9	1		11/04/20 14:19	78-93-3	
2-Hexanone	<b>&lt;5.2</b>	ug/L	17.4	5.2	1		11/04/20 14:19	591-78-6	
4-Methyl-2-pentanone (MIBK)	<b>&lt;4.6</b>	ug/L	15.5	4.6	1		11/04/20 14:19	108-10-1	
Acetone	<b>&lt;2.7</b>	ug/L	20.0	2.7	1		11/04/20 14:19	67-64-1	
Benzene	<b>&lt;0.25</b>	ug/L	1.0	0.25	1		11/04/20 14:19	71-43-2	
Bromodichloromethane	<b>&lt;0.36</b>	ug/L	1.2	0.36	1		11/04/20 14:19	75-27-4	
Bromoform	<b>&lt;4.0</b>	ug/L	13.2	4.0	1		11/04/20 14:19	75-25-2	
Bromomethane	<b>&lt;0.97</b>	ug/L	5.0	0.97	1		11/04/20 14:19	74-83-9	
Carbon disulfide	<b>&lt;0.45</b>	ug/L	1.5	0.45	1		11/04/20 14:19	75-15-0	
Carbon tetrachloride	<b>&lt;1.1</b>	ug/L	3.6	1.1	1		11/04/20 14:19	56-23-5	
Chlorobenzene	<b>&lt;0.71</b>	ug/L	2.4	0.71	1		11/04/20 14:19	108-90-7	
Chloroethane	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		11/04/20 14:19	75-00-3	
Chloroform	<b>&lt;1.3</b>	ug/L	5.0	1.3	1		11/04/20 14:19	67-66-3	
Chloromethane	<b>&lt;2.2</b>	ug/L	7.3	2.2	1		11/04/20 14:19	74-87-3	
Dibromochloromethane	<b>&lt;2.6</b>	ug/L	8.7	2.6	1		11/04/20 14:19	124-48-1	
Ethylbenzene	<b>&lt;0.32</b>	ug/L	1.1	0.32	1		11/04/20 14:19	100-41-4	
Methylene Chloride	<b>&lt;0.58</b>	ug/L	5.0	0.58	1		11/04/20 14:19	75-09-2	
Styrene	<b>&lt;3.0</b>	ug/L	10.0	3.0	1		11/04/20 14:19	100-42-5	
Tetrachloroethene	<b>&lt;0.33</b>	ug/L	1.1	0.33	1		11/04/20 14:19	127-18-4	
Toluene	<b>&lt;0.27</b>	ug/L	1.0	0.27	1		11/04/20 14:19	108-88-3	
Trichloroethene	<b>1.7</b>	ug/L	1.0	0.26	1		11/04/20 14:19	79-01-6	
Vinyl chloride	<b>&lt;0.17</b>	ug/L	1.0	0.17	1		11/04/20 14:19	75-01-4	
Xylene (Total)	<b>&lt;1.5</b>	ug/L	3.0	1.5	1		11/04/20 14:19	1330-20-7	
cis-1,2-Dichloroethene	<b>1.8</b>	ug/L	1.0	0.27	1		11/04/20 14:19	156-59-2	
cis-1,3-Dichloropropene	<b>&lt;3.6</b>	ug/L	12.1	3.6	1		11/04/20 14:19	10061-01-5	
trans-1,2-Dichloroethene	<b>&lt;0.46</b>	ug/L	1.5	0.46	1		11/04/20 14:19	156-60-5	
trans-1,3-Dichloropropene	<b>&lt;4.4</b>	ug/L	14.6	4.4	1		11/04/20 14:19	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	86	%	70-130		1		11/04/20 14:19	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/04/20 14:19	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/04/20 14:19	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL

Pace Project No.: 40217549

**Sample: RM-204D**      **Lab ID: 40217549004**      Collected: 10/30/20 17:19      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay									
Chloride	<b>13.3</b>	mg/L	2.0	0.43	1		11/12/20 04:43	16887-00-6	
Sulfate	<b>30.8</b>	mg/L	2.0	0.44	1		11/12/20 04:43	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>338</b>	mg/L	24.8	7.4	1		11/09/20 16:17		
<b>353.2 Nitrogen, NO<sub>2</sub>/NO<sub>3</sub> pres.</b>									
Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay									
Nitrogen, NO <sub>2</sub> plus NO <sub>3</sub>	<b>3.5</b>	mg/L	0.25	0.059	1		11/12/20 10:48		
<b>5310C TOC</b>									
Analytical Method: SM 5310C Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>0.94</b>	mg/L	0.50	0.14	1		11/04/20 05:28	7440-44-0	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL

Pace Project No.: 40217549

**Sample: FDUP-002**      **Lab ID: 40217549005**      Collected: 10/30/20 00:00      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	11/04/20 05:37	11/11/20 17:50	7439-89-6	
Manganese	<1.2	ug/L	4.0	1.2	1	11/04/20 05:37	11/11/20 17:50	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	208	ug/L	1.0	0.24	1		11/04/20 14:41	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 14:41	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/04/20 14:41	79-00-5	
1,1-Dichloroethane	147	ug/L	1.0	0.27	1		11/04/20 14:41	75-34-3	
1,1-Dichloroethene	23.5	ug/L	1.0	0.24	1		11/04/20 14:41	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 14:41	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/04/20 14:41	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/04/20 14:41	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/04/20 14:41	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/04/20 14:41	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/04/20 14:41	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/04/20 14:41	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/04/20 14:41	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/04/20 14:41	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/04/20 14:41	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/04/20 14:41	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/04/20 14:41	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/04/20 14:41	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/04/20 14:41	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/04/20 14:41	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/04/20 14:41	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/04/20 14:41	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/04/20 14:41	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/04/20 14:41	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/04/20 14:41	100-42-5	
Tetrachloroethene	2.4	ug/L	1.1	0.33	1		11/04/20 14:41	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/04/20 14:41	108-88-3	
Trichloroethene	44.4	ug/L	1.0	0.26	1		11/04/20 14:41	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/20 14:41	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/20 14:41	1330-20-7	
cis-1,2-Dichloroethene	63.1	ug/L	1.0	0.27	1		11/04/20 14:41	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/04/20 14:41	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/04/20 14:41	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/04/20 14:41	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	87	%	70-130		1		11/04/20 14:41	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/04/20 14:41	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/04/20 14:41	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL

Pace Project No.: 40217549

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**Sample: FDUP-002**      **Lab ID: 40217549005**      Collected: 10/30/20 00:00      Received: 11/02/20 07:30      Matrix: Water

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Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	<b>11.2</b>	mg/L	10.0	2.2	5		11/12/20 04:57	16887-00-6	
Sulfate	<b>108</b>	mg/L	10.0	2.2	5		11/12/20 04:57	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>443</b>	mg/L	24.8	7.4	1		11/09/20 16:18		
<b>353.2 Nitrogen, NO<sub>2</sub>/NO<sub>3</sub> pres.</b>									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO <sub>2</sub> plus NO <sub>3</sub>	<b>1.3</b>	mg/L	0.25	0.059	1		11/12/20 10:49		
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>1.5</b>	mg/L	0.50	0.14	1		11/04/20 05:42	7440-44-0	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL  
Pace Project No.: 40217549

**Sample: RM-402XXD**      **Lab ID: 40217549006**      Collected: 10/31/20 08:42      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	28.0	ug/L	1.0	0.24	1		11/04/20 15:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 15:02	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/04/20 15:02	79-00-5	
1,1-Dichloroethane	14.7	ug/L	1.0	0.27	1		11/04/20 15:02	75-34-3	
1,1-Dichloroethene	2.8	ug/L	1.0	0.24	1		11/04/20 15:02	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 15:02	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/04/20 15:02	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/04/20 15:02	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/04/20 15:02	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/04/20 15:02	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/04/20 15:02	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/04/20 15:02	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/04/20 15:02	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/04/20 15:02	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/04/20 15:02	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/04/20 15:02	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/04/20 15:02	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/04/20 15:02	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/04/20 15:02	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/04/20 15:02	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/04/20 15:02	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/04/20 15:02	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/04/20 15:02	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/04/20 15:02	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/04/20 15:02	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/04/20 15:02	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/04/20 15:02	108-88-3	
Trichloroethene	6.0	ug/L	1.0	0.26	1		11/04/20 15:02	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/20 15:02	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/20 15:02	1330-20-7	
cis-1,2-Dichloroethene	7.3	ug/L	1.0	0.27	1		11/04/20 15:02	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/04/20 15:02	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/04/20 15:02	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/04/20 15:02	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	86	%	70-130		1		11/04/20 15:02	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		11/04/20 15:02	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/04/20 15:02	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL

Pace Project No.: 40217549

**Sample: RM-402XD**      **Lab ID: 40217549007**      Collected: 10/31/20 10:10      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	11/04/20 05:37	11/11/20 17:57	7439-89-6	
Manganese	<1.2	ug/L	4.0	1.2	1	11/04/20 05:37	11/11/20 17:57	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	101	ug/L	1.0	0.24	1		11/04/20 17:47	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 17:47	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/04/20 17:47	79-00-5	
1,1-Dichloroethane	34.9	ug/L	1.0	0.27	1		11/04/20 17:47	75-34-3	
1,1-Dichloroethene	19.0	ug/L	1.0	0.24	1		11/04/20 17:47	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 17:47	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/04/20 17:47	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/04/20 17:47	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/04/20 17:47	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/04/20 17:47	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/04/20 17:47	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/04/20 17:47	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/04/20 17:47	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/04/20 17:47	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/04/20 17:47	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/04/20 17:47	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/04/20 17:47	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/04/20 17:47	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/04/20 17:47	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/04/20 17:47	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/04/20 17:47	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/04/20 17:47	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/04/20 17:47	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/04/20 17:47	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/04/20 17:47	100-42-5	
Tetrachloroethene	0.82J	ug/L	1.1	0.33	1		11/04/20 17:47	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/04/20 17:47	108-88-3	
Trichloroethene	12.8	ug/L	1.0	0.26	1		11/04/20 17:47	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/20 17:47	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/20 17:47	1330-20-7	
cis-1,2-Dichloroethene	17.3	ug/L	1.0	0.27	1		11/04/20 17:47	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/04/20 17:47	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/04/20 17:47	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/04/20 17:47	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		11/04/20 17:47	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		11/04/20 17:47	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		11/04/20 17:47	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL

Pace Project No.: 40217549

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**Sample: RM-402XD**      **Lab ID: 40217549007**      Collected: 10/31/20 10:10      Received: 11/02/20 07:30      Matrix: Water

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Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>									
Analytical Method: EPA 300.0									
Pace Analytical Services - Green Bay									
Chloride	<b>17.9</b>	mg/L	2.0	0.43	1		11/12/20 05:11	16887-00-6	
Sulfate	<b>253</b>	mg/L	20.0	4.4	10		11/12/20 07:35	14808-79-8	
<b>310.2 Alkalinity</b>									
Analytical Method: EPA 310.2									
Pace Analytical Services - Green Bay									
Alkalinity, Total as CaCO <sub>3</sub>	<b>379</b>	mg/L	24.8	7.4	1		11/09/20 16:19		
<b>353.2 Nitrogen, NO<sub>2</sub>/NO<sub>3</sub> pres.</b>									
Analytical Method: EPA 353.2									
Pace Analytical Services - Green Bay									
Nitrogen, NO <sub>2</sub> plus NO <sub>3</sub>	<b>5.5</b>	mg/L	0.25	0.059	1		11/12/20 10:50		
<b>5310C TOC</b>									
Analytical Method: SM 5310C									
Pace Analytical Services - Green Bay									
Total Organic Carbon	<b>1.7</b>	mg/L	0.50	0.14	1		11/04/20 05:57	7440-44-0	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL  
Pace Project No.: 40217549

**Sample: RM-008D**      **Lab ID: 40217549008**      Collected: 10/31/20 12:03      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	18.9	ug/L	1.0	0.24	1		11/04/20 18:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 18:09	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/04/20 18:09	79-00-5	
1,1-Dichloroethane	7.8	ug/L	1.0	0.27	1		11/04/20 18:09	75-34-3	
1,1-Dichloroethene	1.1	ug/L	1.0	0.24	1		11/04/20 18:09	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 18:09	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/04/20 18:09	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/04/20 18:09	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/04/20 18:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/04/20 18:09	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/04/20 18:09	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/04/20 18:09	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/04/20 18:09	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/04/20 18:09	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/04/20 18:09	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/04/20 18:09	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/04/20 18:09	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/04/20 18:09	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/04/20 18:09	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/04/20 18:09	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/04/20 18:09	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/04/20 18:09	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/04/20 18:09	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/04/20 18:09	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/04/20 18:09	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/04/20 18:09	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/04/20 18:09	108-88-3	
Trichloroethene	4.0	ug/L	1.0	0.26	1		11/04/20 18:09	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/20 18:09	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/20 18:09	1330-20-7	
cis-1,2-Dichloroethene	4.9	ug/L	1.0	0.27	1		11/04/20 18:09	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/04/20 18:09	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/04/20 18:09	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/04/20 18:09	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	87	%	70-130		1		11/04/20 18:09	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		11/04/20 18:09	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/04/20 18:09	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL  
Pace Project No.: 40217549

**Sample: RM-212D**      **Lab ID: 40217549009**      Collected: 10/31/20 15:06      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/04/20 18:30	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 18:30	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/04/20 18:30	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/04/20 18:30	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/04/20 18:30	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 18:30	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/04/20 18:30	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/04/20 18:30	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/04/20 18:30	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/04/20 18:30	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/04/20 18:30	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/04/20 18:30	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/04/20 18:30	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/04/20 18:30	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/04/20 18:30	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/04/20 18:30	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/04/20 18:30	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/04/20 18:30	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/04/20 18:30	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/04/20 18:30	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/04/20 18:30	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/04/20 18:30	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/04/20 18:30	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/04/20 18:30	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/04/20 18:30	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/04/20 18:30	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/04/20 18:30	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/20 18:30	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/20 18:30	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/20 18:30	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/04/20 18:30	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/04/20 18:30	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/04/20 18:30	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/04/20 18:30	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	87	%	70-130		1		11/04/20 18:30	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/04/20 18:30	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		11/04/20 18:30	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL

Pace Project No.: 40217549

**Sample: FB-002**      **Lab ID: 40217549010**      Collected: 10/31/20 16:30      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Iron	<58.0	ug/L	250	58.0	1	11/04/20 05:37	11/11/20 18:04	7439-89-6	
Manganese	<1.2	ug/L	4.0	1.2	1	11/04/20 05:37	11/11/20 18:04	7439-96-5	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/04/20 17:26	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 17:26	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/04/20 17:26	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/04/20 17:26	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/04/20 17:26	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 17:26	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/04/20 17:26	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/04/20 17:26	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/04/20 17:26	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/04/20 17:26	108-10-1	
Acetone	3.9J	ug/L	20.0	2.7	1		11/04/20 17:26	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/04/20 17:26	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/04/20 17:26	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/04/20 17:26	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/04/20 17:26	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/04/20 17:26	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/04/20 17:26	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/04/20 17:26	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/04/20 17:26	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/04/20 17:26	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/04/20 17:26	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/04/20 17:26	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/04/20 17:26	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/04/20 17:26	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/04/20 17:26	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/04/20 17:26	127-18-4	
Toluene	1.9	ug/L	1.0	0.27	1		11/04/20 17:26	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/20 17:26	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/20 17:26	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/20 17:26	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/04/20 17:26	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/04/20 17:26	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/04/20 17:26	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/04/20 17:26	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		11/04/20 17:26	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		11/04/20 17:26	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		11/04/20 17:26	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL

Pace Project No.: 40217549

**Sample: FB-002**      **Lab ID: 40217549010**      Collected: 10/31/20 16:30      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions</b>	Analytical Method: EPA 300.0 Pace Analytical Services - Green Bay								
Chloride	<b>&lt;0.43</b>	mg/L	2.0	0.43	1		11/12/20 05:26	16887-00-6	
Sulfate	<b>&lt;0.44</b>	mg/L	2.0	0.44	1		11/12/20 05:26	14808-79-8	
<b>310.2 Alkalinity</b>	Analytical Method: EPA 310.2 Pace Analytical Services - Green Bay								
Alkalinity, Total as CaCO <sub>3</sub>	<b>&lt;7.4</b>	mg/L	24.8	7.4	1		11/09/20 16:20		
<b>353.2 Nitrogen, NO<sub>2</sub>/NO<sub>3</sub> pres.</b>	Analytical Method: EPA 353.2 Pace Analytical Services - Green Bay								
Nitrogen, NO <sub>2</sub> plus NO <sub>3</sub>	<b>&lt;0.059</b>	mg/L	0.25	0.059	1		11/12/20 10:50		
<b>5310C TOC</b>	Analytical Method: SM 5310C Pace Analytical Services - Green Bay								
Total Organic Carbon	<b>0.28J</b>	mg/L	0.50	0.14	1		11/04/20 06:11	7440-44-0	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL  
Pace Project No.: 40217549

**Sample: TB-001**      **Lab ID: 40217549011**      Collected: 10/31/20 00:00      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		11/04/20 17:04	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 17:04	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/04/20 17:04	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		11/04/20 17:04	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		11/04/20 17:04	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 17:04	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/04/20 17:04	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/04/20 17:04	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/04/20 17:04	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/04/20 17:04	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/04/20 17:04	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/04/20 17:04	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/04/20 17:04	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/04/20 17:04	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/04/20 17:04	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/04/20 17:04	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/04/20 17:04	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/04/20 17:04	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/04/20 17:04	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/04/20 17:04	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/04/20 17:04	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/04/20 17:04	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/04/20 17:04	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/04/20 17:04	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/04/20 17:04	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/04/20 17:04	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/04/20 17:04	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		11/04/20 17:04	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/20 17:04	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/20 17:04	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/04/20 17:04	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/04/20 17:04	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/04/20 17:04	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/04/20 17:04	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	87	%	70-130		1		11/04/20 17:04	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		11/04/20 17:04	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		11/04/20 17:04	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL  
Pace Project No.: 40217549

**Sample: RM-303D**      **Lab ID: 40217549012**      Collected: 10/29/20 11:22      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	191	ug/L	2.0	0.49	2		11/04/20 13:58	71-55-6	
1,1,2,2-Tetrachloroethane	<0.55	ug/L	2.0	0.55	2		11/04/20 13:58	79-34-5	
1,1,2-Trichloroethane	<1.1	ug/L	10.0	1.1	2		11/04/20 13:58	79-00-5	
1,1-Dichloroethane	146	ug/L	2.0	0.55	2		11/04/20 13:58	75-34-3	
1,1-Dichloroethene	6.5	ug/L	2.0	0.49	2		11/04/20 13:58	75-35-4	
1,2-Dichloroethane	<0.56	ug/L	2.0	0.56	2		11/04/20 13:58	107-06-2	
1,2-Dichloropropane	<0.57	ug/L	2.0	0.57	2		11/04/20 13:58	78-87-5	
2-Butanone (MEK)	<5.9	ug/L	40.0	5.9	2		11/04/20 13:58	78-93-3	
2-Hexanone	<10.4	ug/L	34.7	10.4	2		11/04/20 13:58	591-78-6	
4-Methyl-2-pentanone (MIBK)	<9.3	ug/L	30.9	9.3	2		11/04/20 13:58	108-10-1	
Acetone	<5.5	ug/L	40.0	5.5	2		11/04/20 13:58	67-64-1	
Benzene	<0.49	ug/L	2.0	0.49	2		11/04/20 13:58	71-43-2	
Bromodichloromethane	<0.73	ug/L	2.4	0.73	2		11/04/20 13:58	75-27-4	
Bromoform	<7.9	ug/L	26.5	7.9	2		11/04/20 13:58	75-25-2	
Bromomethane	<1.9	ug/L	10.0	1.9	2		11/04/20 13:58	74-83-9	
Carbon disulfide	<0.90	ug/L	3.0	0.90	2		11/04/20 13:58	75-15-0	
Carbon tetrachloride	<2.2	ug/L	7.2	2.2	2		11/04/20 13:58	56-23-5	
Chlorobenzene	<1.4	ug/L	4.7	1.4	2		11/04/20 13:58	108-90-7	
Chloroethane	<2.7	ug/L	10.0	2.7	2		11/04/20 13:58	75-00-3	
Chloroform	<2.5	ug/L	10.0	2.5	2		11/04/20 13:58	67-66-3	
Chloromethane	<4.4	ug/L	14.6	4.4	2		11/04/20 13:58	74-87-3	
Dibromochloromethane	<5.2	ug/L	17.3	5.2	2		11/04/20 13:58	124-48-1	
Ethylbenzene	<0.64	ug/L	2.1	0.64	2		11/04/20 13:58	100-41-4	
Methylene Chloride	<1.2	ug/L	10.0	1.2	2		11/04/20 13:58	75-09-2	
Styrene	<6.0	ug/L	20.1	6.0	2		11/04/20 13:58	100-42-5	
Tetrachloroethene	1.6J	ug/L	2.2	0.65	2		11/04/20 13:58	127-18-4	
Toluene	<0.54	ug/L	2.0	0.54	2		11/04/20 13:58	108-88-3	
Trichloroethene	55.0	ug/L	2.0	0.51	2		11/04/20 13:58	79-01-6	
Vinyl chloride	<0.35	ug/L	2.0	0.35	2		11/04/20 13:58	75-01-4	
Xylene (Total)	<3.0	ug/L	6.0	3.0	2		11/04/20 13:58	1330-20-7	
cis-1,2-Dichloroethene	59.0	ug/L	2.0	0.54	2		11/04/20 13:58	156-59-2	
cis-1,3-Dichloropropene	<7.3	ug/L	24.2	7.3	2		11/04/20 13:58	10061-01-5	
trans-1,2-Dichloroethene	<0.93	ug/L	3.1	0.93	2		11/04/20 13:58	156-60-5	
trans-1,3-Dichloropropene	<8.7	ug/L	29.1	8.7	2		11/04/20 13:58	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		2		11/04/20 13:58	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		2		11/04/20 13:58	1868-53-7	
Toluene-d8 (S)	92	%	70-130		2		11/04/20 13:58	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL  
Pace Project No.: 40217549

**Sample: RM-306D**      **Lab ID: 40217549013**      Collected: 10/29/20 13:56      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	18.7	ug/L	1.0	0.24	1		11/04/20 18:51	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 18:51	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/04/20 18:51	79-00-5	
1,1-Dichloroethane	1.8	ug/L	1.0	0.27	1		11/04/20 18:51	75-34-3	
1,1-Dichloroethene	0.98J	ug/L	1.0	0.24	1		11/04/20 18:51	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 18:51	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/04/20 18:51	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/04/20 18:51	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/04/20 18:51	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/04/20 18:51	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/04/20 18:51	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/04/20 18:51	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/04/20 18:51	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/04/20 18:51	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/04/20 18:51	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/04/20 18:51	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/04/20 18:51	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/04/20 18:51	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/04/20 18:51	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/04/20 18:51	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/04/20 18:51	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/04/20 18:51	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/04/20 18:51	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/04/20 18:51	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/04/20 18:51	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/04/20 18:51	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/04/20 18:51	108-88-3	
Trichloroethene	1.7	ug/L	1.0	0.26	1		11/04/20 18:51	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/20 18:51	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/20 18:51	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		11/04/20 18:51	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/04/20 18:51	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/04/20 18:51	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/04/20 18:51	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		11/04/20 18:51	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/04/20 18:51	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		11/04/20 18:51	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL  
Pace Project No.: 40217549

**Sample: RM-307D**      **Lab ID: 40217549014**      Collected: 10/29/20 16:01      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	68.6	ug/L	1.0	0.24	1		11/04/20 13:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 13:15	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/04/20 13:15	79-00-5	
1,1-Dichloroethane	18.0	ug/L	1.0	0.27	1		11/04/20 13:15	75-34-3	
1,1-Dichloroethene	2.7	ug/L	1.0	0.24	1		11/04/20 13:15	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 13:15	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/04/20 13:15	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/04/20 13:15	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/04/20 13:15	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/04/20 13:15	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/04/20 13:15	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/04/20 13:15	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/04/20 13:15	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/04/20 13:15	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/04/20 13:15	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/04/20 13:15	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/04/20 13:15	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/04/20 13:15	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/04/20 13:15	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/04/20 13:15	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/04/20 13:15	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/04/20 13:15	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/04/20 13:15	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/04/20 13:15	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/04/20 13:15	100-42-5	
Tetrachloroethene	0.71J	ug/L	1.1	0.33	1		11/04/20 13:15	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/04/20 13:15	108-88-3	
Trichloroethene	9.0	ug/L	1.0	0.26	1		11/04/20 13:15	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/20 13:15	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/20 13:15	1330-20-7	
cis-1,2-Dichloroethene	2.8	ug/L	1.0	0.27	1		11/04/20 13:15	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/04/20 13:15	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/04/20 13:15	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/04/20 13:15	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		11/04/20 13:15	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/04/20 13:15	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		11/04/20 13:15	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0 PH4 LEMB LF-PLUME WEL  
Pace Project No.: 40217549

**Sample: RM-101D**      **Lab ID: 40217549015**      Collected: 10/29/20 17:30      Received: 11/02/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	3.1	ug/L	1.0	0.24	1		11/04/20 19:13	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 19:13	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		11/04/20 19:13	79-00-5	
1,1-Dichloroethane	2.0	ug/L	1.0	0.27	1		11/04/20 19:13	75-34-3	
1,1-Dichloroethene	0.34J	ug/L	1.0	0.24	1		11/04/20 19:13	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/04/20 19:13	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		11/04/20 19:13	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		11/04/20 19:13	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		11/04/20 19:13	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		11/04/20 19:13	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		11/04/20 19:13	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		11/04/20 19:13	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		11/04/20 19:13	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		11/04/20 19:13	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		11/04/20 19:13	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		11/04/20 19:13	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		11/04/20 19:13	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		11/04/20 19:13	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		11/04/20 19:13	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/04/20 19:13	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		11/04/20 19:13	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		11/04/20 19:13	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		11/04/20 19:13	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		11/04/20 19:13	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		11/04/20 19:13	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		11/04/20 19:13	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		11/04/20 19:13	108-88-3	
Trichloroethene	0.85J	ug/L	1.0	0.26	1		11/04/20 19:13	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		11/04/20 19:13	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		11/04/20 19:13	1330-20-7	
cis-1,2-Dichloroethene	0.35J	ug/L	1.0	0.27	1		11/04/20 19:13	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		11/04/20 19:13	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		11/04/20 19:13	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		11/04/20 19:13	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	89	%	70-130		1		11/04/20 19:13	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		11/04/20 19:13	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		11/04/20 19:13	2037-26-5	

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## QUALIFIERS

Project: 376175.0 PH4 LEMB LF-PLUME WEL

Pace Project No.: 40217549

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### 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: 376175.0000 PHASE 5 LEMBERGER

Pace Project No.: 40220035

**Sample: RM-404XD**      **Lab ID: 40220035001**      Collected: 12/16/20 11:16      Received: 12/18/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	0.66J	ug/L	1.0	0.24	1		12/22/20 08:53	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/22/20 08:53	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/22/20 08:53	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/22/20 08:53	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/22/20 08:53	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/22/20 08:53	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/22/20 08:53	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		12/22/20 08:53	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		12/22/20 08:53	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		12/22/20 08:53	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		12/22/20 08:53	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		12/22/20 08:53	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/22/20 08:53	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/22/20 08:53	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/22/20 08:53	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		12/22/20 08:53	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		12/22/20 08:53	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/22/20 08:53	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/22/20 08:53	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/22/20 08:53	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/22/20 08:53	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/22/20 08:53	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		12/22/20 08:53	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/22/20 08:53	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		12/22/20 08:53	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/22/20 08:53	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		12/22/20 08:53	108-88-3	
Trichloroethene	0.29J	ug/L	1.0	0.26	1		12/22/20 08:53	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/22/20 08:53	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		12/22/20 08:53	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		12/22/20 08:53	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/22/20 08:53	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		12/22/20 08:53	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/22/20 08:53	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		12/22/20 08:53	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/22/20 08:53	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/22/20 08:53	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0000 PHASE 5 LEMBERGER

Pace Project No.: 40220035

**Sample: RM-003XXD**      **Lab ID: 40220035002**      Collected: 12/16/20 13:02      Received: 12/18/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	2.6	ug/L	1.0	0.24	1		12/22/20 08:08	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/22/20 08:08	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/22/20 08:08	79-00-5	
1,1-Dichloroethane	0.70J	ug/L	1.0	0.27	1		12/22/20 08:08	75-34-3	
1,1-Dichloroethene	0.27J	ug/L	1.0	0.24	1		12/22/20 08:08	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/22/20 08:08	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/22/20 08:08	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		12/22/20 08:08	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		12/22/20 08:08	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		12/22/20 08:08	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		12/22/20 08:08	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		12/22/20 08:08	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/22/20 08:08	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/22/20 08:08	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/22/20 08:08	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		12/22/20 08:08	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		12/22/20 08:08	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/22/20 08:08	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/22/20 08:08	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/22/20 08:08	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/22/20 08:08	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/22/20 08:08	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		12/22/20 08:08	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/22/20 08:08	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		12/22/20 08:08	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/22/20 08:08	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		12/22/20 08:08	108-88-3	
Trichloroethene	0.79J	ug/L	1.0	0.26	1		12/22/20 08:08	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/22/20 08:08	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		12/22/20 08:08	1330-20-7	
cis-1,2-Dichloroethene	0.47J	ug/L	1.0	0.27	1		12/22/20 08:08	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/22/20 08:08	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		12/22/20 08:08	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/22/20 08:08	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		12/22/20 08:08	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		12/22/20 08:08	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		12/22/20 08:08	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0000 PHASE 5 LEMBERGER

Pace Project No.: 40220035

**Sample: RM-003D**      **Lab ID: 40220035003**      Collected: 12/16/20 14:18      Received: 12/18/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	28.1	ug/L	1.0	0.24	1		12/22/20 08:31	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/22/20 08:31	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/22/20 08:31	79-00-5	
1,1-Dichloroethane	15.7	ug/L	1.0	0.27	1		12/22/20 08:31	75-34-3	
1,1-Dichloroethene	3.4	ug/L	1.0	0.24	1		12/22/20 08:31	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/22/20 08:31	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/22/20 08:31	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		12/22/20 08:31	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		12/22/20 08:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		12/22/20 08:31	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		12/22/20 08:31	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		12/22/20 08:31	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/22/20 08:31	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/22/20 08:31	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/22/20 08:31	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		12/22/20 08:31	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		12/22/20 08:31	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/22/20 08:31	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/22/20 08:31	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/22/20 08:31	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/22/20 08:31	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/22/20 08:31	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		12/22/20 08:31	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/22/20 08:31	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		12/22/20 08:31	100-42-5	
Tetrachloroethene	0.33J	ug/L	1.1	0.33	1		12/22/20 08:31	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		12/22/20 08:31	108-88-3	
Trichloroethene	5.3	ug/L	1.0	0.26	1		12/22/20 08:31	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/22/20 08:31	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		12/22/20 08:31	1330-20-7	
cis-1,2-Dichloroethene	7.0	ug/L	1.0	0.27	1		12/22/20 08:31	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/22/20 08:31	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		12/22/20 08:31	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/22/20 08:31	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		12/22/20 08:31	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/22/20 08:31	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		12/22/20 08:31	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0000 PHASE 5 LEMBERGER

Pace Project No.: 40220035

**Sample: FDUP-001**      **Lab ID: 40220035004**      Collected: 12/16/20 09:30      Received: 12/18/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	28.6	ug/L	1.0	0.24	1		12/22/20 09:16	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/22/20 09:16	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/22/20 09:16	79-00-5	
1,1-Dichloroethane	16.1	ug/L	1.0	0.27	1		12/22/20 09:16	75-34-3	
1,1-Dichloroethene	3.6	ug/L	1.0	0.24	1		12/22/20 09:16	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/22/20 09:16	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/22/20 09:16	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		12/22/20 09:16	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		12/22/20 09:16	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		12/22/20 09:16	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		12/22/20 09:16	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		12/22/20 09:16	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/22/20 09:16	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/22/20 09:16	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/22/20 09:16	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		12/22/20 09:16	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		12/22/20 09:16	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/22/20 09:16	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/22/20 09:16	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/22/20 09:16	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/22/20 09:16	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/22/20 09:16	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		12/22/20 09:16	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/22/20 09:16	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		12/22/20 09:16	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/22/20 09:16	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		12/22/20 09:16	108-88-3	
Trichloroethene	5.5	ug/L	1.0	0.26	1		12/22/20 09:16	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/22/20 09:16	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		12/22/20 09:16	1330-20-7	
cis-1,2-Dichloroethene	7.1	ug/L	1.0	0.27	1		12/22/20 09:16	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/22/20 09:16	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		12/22/20 09:16	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/22/20 09:16	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		12/22/20 09:16	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		12/22/20 09:16	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/22/20 09:16	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0000 PHASE 5 LEMBERGER

Pace Project No.: 40220035

**Sample: RM-403XD**      **Lab ID: 40220035005**      Collected: 12/17/20 09:30      Received: 12/18/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	85.2	ug/L	1.0	0.24	1		12/22/20 09:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/22/20 09:38	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/22/20 09:38	79-00-5	
1,1-Dichloroethane	46.6	ug/L	1.0	0.27	1		12/22/20 09:38	75-34-3	
1,1-Dichloroethene	7.3	ug/L	1.0	0.24	1		12/22/20 09:38	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/22/20 09:38	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/22/20 09:38	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		12/22/20 09:38	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		12/22/20 09:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		12/22/20 09:38	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		12/22/20 09:38	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		12/22/20 09:38	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/22/20 09:38	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/22/20 09:38	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/22/20 09:38	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		12/22/20 09:38	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		12/22/20 09:38	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/22/20 09:38	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/22/20 09:38	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/22/20 09:38	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/22/20 09:38	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/22/20 09:38	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		12/22/20 09:38	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/22/20 09:38	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		12/22/20 09:38	100-42-5	
Tetrachloroethene	1.1	ug/L	1.1	0.33	1		12/22/20 09:38	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		12/22/20 09:38	108-88-3	
Trichloroethene	15.9	ug/L	1.0	0.26	1		12/22/20 09:38	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/22/20 09:38	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		12/22/20 09:38	1330-20-7	
cis-1,2-Dichloroethene	13.5	ug/L	1.0	0.27	1		12/22/20 09:38	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/22/20 09:38	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		12/22/20 09:38	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/22/20 09:38	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		12/22/20 09:38	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		12/22/20 09:38	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/22/20 09:38	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0000 PHASE 5 LEMBERGER

Pace Project No.: 40220035

**Sample: RM-401XXD**      **Lab ID: 40220035006**      Collected: 12/17/20 11:04      Received: 12/18/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	5.8	ug/L	1.0	0.24	1		12/22/20 10:01	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/22/20 10:01	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/22/20 10:01	79-00-5	
1,1-Dichloroethane	3.7	ug/L	1.0	0.27	1		12/22/20 10:01	75-34-3	
1,1-Dichloroethene	2.7	ug/L	1.0	0.24	1		12/22/20 10:01	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/22/20 10:01	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/22/20 10:01	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		12/22/20 10:01	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		12/22/20 10:01	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		12/22/20 10:01	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		12/22/20 10:01	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		12/22/20 10:01	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/22/20 10:01	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/22/20 10:01	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/22/20 10:01	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		12/22/20 10:01	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		12/22/20 10:01	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/22/20 10:01	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/22/20 10:01	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/22/20 10:01	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/22/20 10:01	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/22/20 10:01	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		12/22/20 10:01	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/22/20 10:01	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		12/22/20 10:01	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/22/20 10:01	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		12/22/20 10:01	108-88-3	
Trichloroethene	1.5	ug/L	1.0	0.26	1		12/22/20 10:01	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/22/20 10:01	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		12/22/20 10:01	1330-20-7	
cis-1,2-Dichloroethene	6.9	ug/L	1.0	0.27	1		12/22/20 10:01	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/22/20 10:01	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		12/22/20 10:01	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/22/20 10:01	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		12/22/20 10:01	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		12/22/20 10:01	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		12/22/20 10:01	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0000 PHASE 5 LEMBERGER  
Pace Project No.: 40220035

**Sample: RM-002D**      **Lab ID: 40220035007**      Collected: 12/17/20 13:47      Received: 12/18/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	6.7	ug/L	1.0	0.24	1		12/22/20 10:40	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/22/20 10:40	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/22/20 10:40	79-00-5	
1,1-Dichloroethane	4.4	ug/L	1.0	0.27	1		12/22/20 10:40	75-34-3	
1,1-Dichloroethene	0.72J	ug/L	1.0	0.24	1		12/22/20 10:40	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/22/20 10:40	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/22/20 10:40	78-87-5	M1
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		12/22/20 10:40	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		12/22/20 10:40	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		12/22/20 10:40	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		12/22/20 10:40	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		12/22/20 10:40	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/22/20 10:40	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/22/20 10:40	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/22/20 10:40	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		12/22/20 10:40	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		12/22/20 10:40	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/22/20 10:40	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/22/20 10:40	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/22/20 10:40	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/22/20 10:40	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/22/20 10:40	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		12/22/20 10:40	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/22/20 10:40	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		12/22/20 10:40	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/22/20 10:40	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		12/22/20 10:40	108-88-3	
Trichloroethene	1.8	ug/L	1.0	0.26	1		12/22/20 10:40	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/22/20 10:40	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		12/22/20 10:40	1330-20-7	
cis-1,2-Dichloroethene	1.1	ug/L	1.0	0.27	1		12/22/20 10:40	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/22/20 10:40	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		12/22/20 10:40	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/22/20 10:40	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	87	%	70-130		1		12/22/20 10:40	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		12/22/20 10:40	1868-53-7	
Toluene-d8 (S)	89	%	70-130		1		12/22/20 10:40	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0000 PHASE 5 LEMBERGER

Pace Project No.: 40220035

**Sample: RM-210D**      **Lab ID: 40220035008**      Collected: 12/17/20 16:26      Received: 12/18/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	6.6	ug/L	1.0	0.24	1		12/23/20 10:44	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/23/20 10:44	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/23/20 10:44	79-00-5	
1,1-Dichloroethane	2.8	ug/L	1.0	0.27	1		12/23/20 10:44	75-34-3	
1,1-Dichloroethene	0.74J	ug/L	1.0	0.24	1		12/23/20 10:44	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/23/20 10:44	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/23/20 10:44	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		12/23/20 10:44	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		12/23/20 10:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		12/23/20 10:44	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		12/23/20 10:44	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		12/23/20 10:44	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/23/20 10:44	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/23/20 10:44	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/23/20 10:44	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		12/23/20 10:44	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		12/23/20 10:44	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/23/20 10:44	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/23/20 10:44	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/23/20 10:44	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/23/20 10:44	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/23/20 10:44	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		12/23/20 10:44	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/23/20 10:44	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		12/23/20 10:44	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/23/20 10:44	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		12/23/20 10:44	108-88-3	
Trichloroethene	1.3	ug/L	1.0	0.26	1		12/23/20 10:44	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/23/20 10:44	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		12/23/20 10:44	1330-20-7	
cis-1,2-Dichloroethene	1.4	ug/L	1.0	0.27	1		12/23/20 10:44	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/23/20 10:44	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		12/23/20 10:44	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/23/20 10:44	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		12/23/20 10:44	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		12/23/20 10:44	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		12/23/20 10:44	2037-26-5	

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## ANALYTICAL RESULTS

Project: 376175.0000 PHASE 5 LEMBERGER

Pace Project No.: 40220035

**Sample: FB-001**      **Lab ID: 40220035009**      Collected: 12/17/20 17:30      Received: 12/18/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/23/20 11:05	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/23/20 11:05	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/23/20 11:05	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/23/20 11:05	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/23/20 11:05	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/23/20 11:05	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/23/20 11:05	78-87-5	
2-Butanone (MEK)	3.2J	ug/L	20.0	2.9	1		12/23/20 11:05	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		12/23/20 11:05	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		12/23/20 11:05	108-10-1	
Acetone	3.2J	ug/L	20.0	2.7	1		12/23/20 11:05	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		12/23/20 11:05	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/23/20 11:05	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/23/20 11:05	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/23/20 11:05	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		12/23/20 11:05	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		12/23/20 11:05	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/23/20 11:05	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/23/20 11:05	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/23/20 11:05	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/23/20 11:05	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/23/20 11:05	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		12/23/20 11:05	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/23/20 11:05	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		12/23/20 11:05	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/23/20 11:05	127-18-4	
Toluene	1.8	ug/L	1.0	0.27	1		12/23/20 11:05	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/23/20 11:05	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/23/20 11:05	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		12/23/20 11:05	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		12/23/20 11:05	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/23/20 11:05	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		12/23/20 11:05	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/23/20 11:05	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		12/23/20 11:05	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/23/20 11:05	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		12/23/20 11:05	2037-26-5	

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### ANALYTICAL RESULTS

Project: 376175.0000 PHASE 5 LEMBERGER

Pace Project No.: 40220035

**Sample: TB-001**      **Lab ID: 40220035010**      Collected: 12/17/20 00:00      Received: 12/18/20 07:30      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/23/20 10:22	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/23/20 10:22	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/23/20 10:22	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/23/20 10:22	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/23/20 10:22	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/23/20 10:22	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/23/20 10:22	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		12/23/20 10:22	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		12/23/20 10:22	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		12/23/20 10:22	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		12/23/20 10:22	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		12/23/20 10:22	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/23/20 10:22	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/23/20 10:22	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/23/20 10:22	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		12/23/20 10:22	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		12/23/20 10:22	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/23/20 10:22	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/23/20 10:22	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/23/20 10:22	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/23/20 10:22	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/23/20 10:22	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		12/23/20 10:22	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/23/20 10:22	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		12/23/20 10:22	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/23/20 10:22	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		12/23/20 10:22	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/23/20 10:22	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/23/20 10:22	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		12/23/20 10:22	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		12/23/20 10:22	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/23/20 10:22	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		12/23/20 10:22	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/23/20 10:22	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		12/23/20 10:22	460-00-4	
Dibromofluoromethane (S)	91	%	70-130		1		12/23/20 10:22	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		12/23/20 10:22	2037-26-5	

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## QUALIFIERS

Project: 376175.0000 PHASE 5 LEMBERGER

Pace Project No.: 40220035

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### 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: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

**Sample: RM-002D**      **Lab ID: 40224274001**      Collected: 03/25/21 09:16      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	8.0	ug/L	1.0	0.24	1		04/01/21 15:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:02	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 15:02	79-00-5	
1,1-Dichloroethane	6.8	ug/L	1.0	0.27	1		04/01/21 15:02	75-34-3	
1,1-Dichloroethene	0.94J	ug/L	1.0	0.24	1		04/01/21 15:02	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:02	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:02	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 15:02	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 15:02	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 15:02	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 15:02	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 15:02	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 15:02	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 15:02	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 15:02	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 15:02	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 15:02	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 15:02	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 15:02	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 15:02	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 15:02	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 15:02	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 15:02	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 15:02	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 15:02	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 15:02	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 15:02	108-88-3	
Trichloroethene	1.9	ug/L	1.0	0.26	1		04/01/21 15:02	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 15:02	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 15:02	1330-20-7	
cis-1,2-Dichloroethene	1.5	ug/L	1.0	0.27	1		04/01/21 15:02	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 15:02	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 15:02	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 15:02	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/01/21 15:02	460-00-4	
Dibromofluoromethane (S)	127	%	70-130		1		04/01/21 15:02	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 15:02	2037-26-5	

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## ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

**Sample: RM-210D**      **Lab ID: 40224274002**      Collected: 03/25/21 12:00      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	8.7	ug/L	1.0	0.24	1		04/01/21 15:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:24	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 15:24	79-00-5	
1,1-Dichloroethane	4.7	ug/L	1.0	0.27	1		04/01/21 15:24	75-34-3	
1,1-Dichloroethene	1.1	ug/L	1.0	0.24	1		04/01/21 15:24	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:24	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:24	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 15:24	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 15:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 15:24	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 15:24	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 15:24	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 15:24	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 15:24	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 15:24	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 15:24	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 15:24	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 15:24	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 15:24	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 15:24	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 15:24	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 15:24	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 15:24	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 15:24	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 15:24	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 15:24	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 15:24	108-88-3	
Trichloroethene	1.6	ug/L	1.0	0.26	1		04/01/21 15:24	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 15:24	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 15:24	1330-20-7	
cis-1,2-Dichloroethene	2.2	ug/L	1.0	0.27	1		04/01/21 15:24	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 15:24	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 15:24	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 15:24	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/01/21 15:24	460-00-4	
Dibromofluoromethane (S)	126	%	70-130		1		04/01/21 15:24	1868-53-7	
Toluene-d8 (S)	108	%	70-130		1		04/01/21 15:24	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

**Sample: RM-403XD**      **Lab ID: 40224274003**      Collected: 03/25/21 13:57      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	96.2	ug/L	1.0	0.24	1		04/01/21 15:47	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:47	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 15:47	79-00-5	
1,1-Dichloroethane	57.1	ug/L	1.0	0.27	1		04/01/21 15:47	75-34-3	
1,1-Dichloroethene	7.3	ug/L	1.0	0.24	1		04/01/21 15:47	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:47	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 15:47	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 15:47	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 15:47	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 15:47	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 15:47	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 15:47	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 15:47	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 15:47	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 15:47	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 15:47	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 15:47	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 15:47	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 15:47	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 15:47	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 15:47	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 15:47	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 15:47	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 15:47	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 15:47	100-42-5	
Tetrachloroethene	0.97J	ug/L	1.1	0.33	1		04/01/21 15:47	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 15:47	108-88-3	
Trichloroethene	14.8	ug/L	1.0	0.26	1		04/01/21 15:47	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 15:47	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 15:47	1330-20-7	
cis-1,2-Dichloroethene	15.0	ug/L	1.0	0.27	1		04/01/21 15:47	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 15:47	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 15:47	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 15:47	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/01/21 15:47	460-00-4	
Dibromofluoromethane (S)	123	%	70-130		1		04/01/21 15:47	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 15:47	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

**Sample: RM-401XXD**      **Lab ID: 40224274004**      Collected: 03/26/21 08:14      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	5.4	ug/L	1.0	0.24	1		04/01/21 16:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:09	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 16:09	79-00-5	
1,1-Dichloroethane	2.9	ug/L	1.0	0.27	1		04/01/21 16:09	75-34-3	
1,1-Dichloroethene	1.6	ug/L	1.0	0.24	1		04/01/21 16:09	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:09	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:09	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 16:09	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 16:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 16:09	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 16:09	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 16:09	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 16:09	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 16:09	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 16:09	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 16:09	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 16:09	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 16:09	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 16:09	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 16:09	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 16:09	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 16:09	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 16:09	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 16:09	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 16:09	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 16:09	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 16:09	108-88-3	
Trichloroethene	1.1	ug/L	1.0	0.26	1		04/01/21 16:09	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 16:09	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 16:09	1330-20-7	
cis-1,2-Dichloroethene	4.2	ug/L	1.0	0.27	1		04/01/21 16:09	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 16:09	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 16:09	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 16:09	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/01/21 16:09	460-00-4	
Dibromofluoromethane (S)	122	%	70-130		1		04/01/21 16:09	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 16:09	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER  
Pace Project No.: 40224274

**Sample: RM-003D**      **Lab ID: 40224274005**      Collected: 03/26/21 13:17      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	41.0	ug/L	1.0	0.24	1		04/01/21 14:39	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 14:39	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 14:39	79-00-5	
1,1-Dichloroethane	22.8	ug/L	1.0	0.27	1		04/01/21 14:39	75-34-3	
1,1-Dichloroethene	3.9	ug/L	1.0	0.24	1		04/01/21 14:39	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 14:39	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 14:39	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 14:39	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 14:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 14:39	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 14:39	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 14:39	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 14:39	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 14:39	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 14:39	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 14:39	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 14:39	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 14:39	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 14:39	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 14:39	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 14:39	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 14:39	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 14:39	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 14:39	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 14:39	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 14:39	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 14:39	108-88-3	
Trichloroethene	6.4	ug/L	1.0	0.26	1		04/01/21 14:39	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 14:39	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 14:39	1330-20-7	
cis-1,2-Dichloroethene	7.3	ug/L	1.0	0.27	1		04/01/21 14:39	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 14:39	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 14:39	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 14:39	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/01/21 14:39	460-00-4	
Dibromofluoromethane (S)	128	%	70-130		1		04/01/21 14:39	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		04/01/21 14:39	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

**Sample: RM-003XXD**      **Lab ID: 40224274006**      Collected: 03/26/21 14:35      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	3.8	ug/L	1.0	0.24	1		04/01/21 16:32	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:32	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 16:32	79-00-5	
1,1-Dichloroethane	1.3	ug/L	1.0	0.27	1		04/01/21 16:32	75-34-3	
1,1-Dichloroethene	0.33J	ug/L	1.0	0.24	1		04/01/21 16:32	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:32	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:32	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 16:32	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 16:32	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 16:32	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 16:32	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 16:32	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 16:32	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 16:32	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 16:32	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 16:32	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 16:32	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 16:32	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 16:32	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 16:32	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 16:32	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 16:32	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 16:32	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 16:32	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 16:32	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 16:32	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 16:32	108-88-3	
Trichloroethene	0.95J	ug/L	1.0	0.26	1		04/01/21 16:32	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 16:32	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 16:32	1330-20-7	
cis-1,2-Dichloroethene	0.55J	ug/L	1.0	0.27	1		04/01/21 16:32	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 16:32	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 16:32	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 16:32	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/01/21 16:32	460-00-4	
Dibromofluoromethane (S)	123	%	70-130		1		04/01/21 16:32	1868-53-7	
Toluene-d8 (S)	109	%	70-130		1		04/01/21 16:32	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

Sample: **FDUP-001** Lab ID: **40224274007** Collected: 03/26/21 00:00 Received: 03/31/21 17:06 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	5.7	ug/L	1.0	0.24	1		04/01/21 16:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:54	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 16:54	79-00-5	
1,1-Dichloroethane	2.0	ug/L	1.0	0.27	1		04/01/21 16:54	75-34-3	
1,1-Dichloroethene	0.56J	ug/L	1.0	0.24	1		04/01/21 16:54	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:54	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 16:54	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 16:54	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 16:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 16:54	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 16:54	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 16:54	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 16:54	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 16:54	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 16:54	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 16:54	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 16:54	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 16:54	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 16:54	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 16:54	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 16:54	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 16:54	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 16:54	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 16:54	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 16:54	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 16:54	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 16:54	108-88-3	
Trichloroethene	1.2	ug/L	1.0	0.26	1		04/01/21 16:54	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 16:54	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 16:54	1330-20-7	
cis-1,2-Dichloroethene	0.92J	ug/L	1.0	0.27	1		04/01/21 16:54	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 16:54	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 16:54	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 16:54	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/01/21 16:54	460-00-4	
Dibromofluoromethane (S)	130	%	70-130		1		04/01/21 16:54	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		04/01/21 16:54	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

**Sample: FB-001**      **Lab ID: 40224274008**      Collected: 03/26/21 16:00      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/01/21 13:32	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 13:32	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 13:32	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/01/21 13:32	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/01/21 13:32	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 13:32	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 13:32	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 13:32	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 13:32	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 13:32	108-10-1	
Acetone	2.9J	ug/L	20.0	2.7	1		04/01/21 13:32	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 13:32	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 13:32	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 13:32	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 13:32	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 13:32	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 13:32	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 13:32	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 13:32	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 13:32	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 13:32	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 13:32	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 13:32	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 13:32	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 13:32	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 13:32	127-18-4	
Toluene	2.1	ug/L	1.0	0.27	1		04/01/21 13:32	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/01/21 13:32	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 13:32	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 13:32	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/01/21 13:32	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 13:32	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 13:32	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 13:32	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/01/21 13:32	460-00-4	
Dibromofluoromethane (S)	120	%	70-130		1		04/01/21 13:32	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 13:32	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

**Sample: TB-001**      **Lab ID: 40224274009**      Collected: 03/26/21 01:00      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/01/21 13:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 13:54	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 13:54	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/01/21 13:54	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/01/21 13:54	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 13:54	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 13:54	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 13:54	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 13:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 13:54	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 13:54	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 13:54	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 13:54	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 13:54	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 13:54	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 13:54	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 13:54	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 13:54	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 13:54	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 13:54	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 13:54	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 13:54	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 13:54	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 13:54	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 13:54	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 13:54	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 13:54	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/01/21 13:54	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 13:54	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 13:54	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/01/21 13:54	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 13:54	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 13:54	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 13:54	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/01/21 13:54	460-00-4	
Dibromofluoromethane (S)	123	%	70-130		1		04/01/21 13:54	1868-53-7	
Toluene-d8 (S)	109	%	70-130		1		04/01/21 13:54	2037-26-5	

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## QUALIFIERS

Project: 419607.0000 PHASE 2 LEMBERGER

Pace Project No.: 40224274

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### 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: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224275

**Sample: RM-401XD**      **Lab ID: 40224275001**      Collected: 03/26/21 09:58      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	24.3	ug/L	1.0	0.24	1		04/01/21 17:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 17:17	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 17:17	79-00-5	
1,1-Dichloroethane	15.7	ug/L	1.0	0.27	1		04/01/21 17:17	75-34-3	
1,1-Dichloroethene	3.6	ug/L	1.0	0.24	1		04/01/21 17:17	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 17:17	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 17:17	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 17:17	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 17:17	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 17:17	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 17:17	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 17:17	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 17:17	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 17:17	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 17:17	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 17:17	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 17:17	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 17:17	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 17:17	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 17:17	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 17:17	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 17:17	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 17:17	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 17:17	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 17:17	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 17:17	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 17:17	108-88-3	
Trichloroethene	3.8	ug/L	1.0	0.26	1		04/01/21 17:17	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 17:17	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 17:17	1330-20-7	
cis-1,2-Dichloroethene	6.9	ug/L	1.0	0.27	1		04/01/21 17:17	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 17:17	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 17:17	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 17:17	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/01/21 17:17	460-00-4	
Dibromofluoromethane (S)	130	%	70-130		1		04/01/21 17:17	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 17:17	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224275

**Sample: RM-211D**      **Lab ID: 40224275002**      Collected: 03/26/21 11:51      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	2.1	ug/L	1.0	0.24	1		04/01/21 17:39	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 17:39	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 17:39	79-00-5	
1,1-Dichloroethane	0.89J	ug/L	1.0	0.27	1		04/01/21 17:39	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/01/21 17:39	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 17:39	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 17:39	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 17:39	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 17:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 17:39	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 17:39	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 17:39	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 17:39	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 17:39	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 17:39	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 17:39	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 17:39	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 17:39	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 17:39	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 17:39	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 17:39	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 17:39	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 17:39	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 17:39	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 17:39	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 17:39	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 17:39	108-88-3	
Trichloroethene	0.33J	ug/L	1.0	0.26	1		04/01/21 17:39	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 17:39	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 17:39	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/01/21 17:39	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 17:39	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 17:39	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 17:39	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/01/21 17:39	460-00-4	
Dibromofluoromethane (S)	126	%	70-130		1		04/01/21 17:39	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 17:39	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER  
Pace Project No.: 40224275

**Sample: RM-008D**      **Lab ID: 40224275003**      Collected: 03/29/21 08:21      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	27.8	ug/L	1.0	0.24	1		04/01/21 18:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:02	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 18:02	79-00-5	
1,1-Dichloroethane	9.5	ug/L	1.0	0.27	1		04/01/21 18:02	75-34-3	
1,1-Dichloroethene	1.3	ug/L	1.0	0.24	1		04/01/21 18:02	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:02	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:02	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 18:02	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 18:02	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 18:02	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 18:02	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 18:02	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 18:02	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 18:02	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 18:02	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 18:02	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 18:02	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 18:02	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 18:02	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 18:02	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 18:02	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 18:02	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 18:02	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 18:02	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 18:02	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 18:02	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 18:02	108-88-3	
Trichloroethene	4.5	ug/L	1.0	0.26	1		04/01/21 18:02	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 18:02	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 18:02	1330-20-7	
cis-1,2-Dichloroethene	5.6	ug/L	1.0	0.27	1		04/01/21 18:02	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 18:02	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 18:02	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 18:02	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/01/21 18:02	460-00-4	
Dibromofluoromethane (S)	129	%	70-130		1		04/01/21 18:02	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 18:02	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224275

**Sample: RM-402XXD**      **Lab ID: 40224275004**      Collected: 03/29/21 09:53      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	28.8	ug/L	1.0	0.24	1		04/01/21 18:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:24	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 18:24	79-00-5	
1,1-Dichloroethane	15.7	ug/L	1.0	0.27	1		04/01/21 18:24	75-34-3	
1,1-Dichloroethene	3.4	ug/L	1.0	0.24	1		04/01/21 18:24	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:24	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:24	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 18:24	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 18:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 18:24	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 18:24	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 18:24	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 18:24	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 18:24	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 18:24	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 18:24	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 18:24	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 18:24	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 18:24	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 18:24	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 18:24	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 18:24	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 18:24	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 18:24	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 18:24	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 18:24	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 18:24	108-88-3	
Trichloroethene	6.3	ug/L	1.0	0.26	1		04/01/21 18:24	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 18:24	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 18:24	1330-20-7	
cis-1,2-Dichloroethene	7.8	ug/L	1.0	0.27	1		04/01/21 18:24	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 18:24	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 18:24	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 18:24	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/01/21 18:24	460-00-4	
Dibromofluoromethane (S)	127	%	70-130		1		04/01/21 18:24	1868-53-7	
Toluene-d8 (S)	108	%	70-130		1		04/01/21 18:24	2037-26-5	

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## ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224275

**Sample: RM-402XD**      **Lab ID: 40224275005**      Collected: 03/29/21 11:00      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	153	ug/L	1.0	0.24	1		04/01/21 18:47	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:47	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 18:47	79-00-5	
1,1-Dichloroethane	53.1	ug/L	1.0	0.27	1		04/01/21 18:47	75-34-3	
1,1-Dichloroethene	27.0	ug/L	1.0	0.24	1		04/01/21 18:47	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:47	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 18:47	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 18:47	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 18:47	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 18:47	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 18:47	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 18:47	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 18:47	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 18:47	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 18:47	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 18:47	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 18:47	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 18:47	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 18:47	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 18:47	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 18:47	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 18:47	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 18:47	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 18:47	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 18:47	100-42-5	
Tetrachloroethene	0.80J	ug/L	1.1	0.33	1		04/01/21 18:47	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 18:47	108-88-3	
Trichloroethene	17.4	ug/L	1.0	0.26	1		04/01/21 18:47	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 18:47	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 18:47	1330-20-7	
cis-1,2-Dichloroethene	23.1	ug/L	1.0	0.27	1		04/01/21 18:47	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 18:47	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 18:47	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 18:47	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/01/21 18:47	460-00-4	
Dibromofluoromethane (S)	125	%	70-130		1		04/01/21 18:47	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		04/01/21 18:47	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224275

**Sample: RM-204D**      **Lab ID: 40224275006**      Collected: 03/29/21 15:19      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	17.0	ug/L	1.0	0.24	1		04/01/21 19:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:09	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 19:09	79-00-5	
1,1-Dichloroethane	10.4	ug/L	1.0	0.27	1		04/01/21 19:09	75-34-3	
1,1-Dichloroethene	1.4	ug/L	1.0	0.24	1		04/01/21 19:09	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:09	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:09	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 19:09	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 19:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 19:09	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 19:09	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 19:09	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 19:09	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 19:09	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 19:09	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 19:09	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 19:09	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 19:09	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 19:09	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 19:09	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 19:09	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 19:09	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 19:09	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 19:09	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 19:09	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 19:09	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 19:09	108-88-3	
Trichloroethene	2.1	ug/L	1.0	0.26	1		04/01/21 19:09	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 19:09	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 19:09	1330-20-7	
cis-1,2-Dichloroethene	2.3	ug/L	1.0	0.27	1		04/01/21 19:09	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 19:09	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 19:09	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 19:09	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/01/21 19:09	460-00-4	
Dibromofluoromethane (S)	126	%	70-130		1		04/01/21 19:09	1868-53-7	
Toluene-d8 (S)	108	%	70-130		1		04/01/21 19:09	2037-26-5	

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## QUALIFIERS

Project: 419607-0000 PHASE 2 LEMBERGER  
Pace Project No.: 40224275

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### 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: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224276

**Sample: RM-307D**      **Lab ID: 40224276001**      Collected: 03/30/21 09:11      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	72.2	ug/L	1.0	0.24	1		04/01/21 19:31	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:31	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 19:31	79-00-5	
1,1-Dichloroethane	9.8	ug/L	1.0	0.27	1		04/01/21 19:31	75-34-3	
1,1-Dichloroethene	3.2	ug/L	1.0	0.24	1		04/01/21 19:31	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:31	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:31	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 19:31	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 19:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 19:31	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 19:31	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 19:31	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 19:31	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 19:31	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 19:31	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 19:31	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 19:31	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 19:31	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 19:31	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 19:31	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 19:31	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 19:31	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 19:31	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 19:31	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 19:31	100-42-5	
Tetrachloroethene	0.76J	ug/L	1.1	0.33	1		04/01/21 19:31	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 19:31	108-88-3	
Trichloroethene	6.2	ug/L	1.0	0.26	1		04/01/21 19:31	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 19:31	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 19:31	1330-20-7	
cis-1,2-Dichloroethene	1.2	ug/L	1.0	0.27	1		04/01/21 19:31	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 19:31	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 19:31	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 19:31	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/01/21 19:31	460-00-4	
Dibromofluoromethane (S)	129	%	70-130		1		04/01/21 19:31	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 19:31	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224276

**Sample: RM-007XD**      **Lab ID: 40224276002**      Collected: 03/30/21 10:32      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	209	ug/L	5.0	1.2	5		04/02/21 08:07	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:54	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 19:54	79-00-5	
1,1-Dichloroethane	213	ug/L	1.0	0.27	1		04/01/21 19:54	75-34-3	
1,1-Dichloroethene	34.3	ug/L	1.0	0.24	1		04/01/21 19:54	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:54	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 19:54	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 19:54	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 19:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 19:54	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 19:54	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 19:54	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 19:54	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 19:54	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 19:54	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 19:54	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 19:54	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 19:54	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 19:54	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 19:54	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 19:54	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 19:54	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 19:54	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 19:54	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 19:54	100-42-5	
Tetrachloroethene	2.8	ug/L	1.1	0.33	1		04/01/21 19:54	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 19:54	108-88-3	
Trichloroethene	58.1	ug/L	1.0	0.26	1		04/01/21 19:54	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 19:54	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 19:54	1330-20-7	
cis-1,2-Dichloroethene	86.1	ug/L	1.0	0.27	1		04/01/21 19:54	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 19:54	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 19:54	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 19:54	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/01/21 19:54	460-00-4	
Dibromofluoromethane (S)	124	%	70-130		1		04/01/21 19:54	1868-53-7	
Toluene-d8 (S)	108	%	70-130		1		04/01/21 19:54	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224276

**Sample: RM-208D**      **Lab ID: 40224276003**      Collected: 03/30/21 11:58      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	10.8	ug/L	1.0	0.24	1		04/02/21 11:56	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/02/21 11:56	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/02/21 11:56	79-00-5	
1,1-Dichloroethane	6.2	ug/L	1.0	0.27	1		04/02/21 11:56	75-34-3	
1,1-Dichloroethene	2.1	ug/L	1.0	0.24	1		04/02/21 11:56	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/02/21 11:56	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/02/21 11:56	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/02/21 11:56	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/02/21 11:56	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/02/21 11:56	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/02/21 11:56	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/02/21 11:56	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/02/21 11:56	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/02/21 11:56	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/02/21 11:56	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/02/21 11:56	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/02/21 11:56	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/02/21 11:56	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/02/21 11:56	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/02/21 11:56	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/02/21 11:56	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/02/21 11:56	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/02/21 11:56	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/02/21 11:56	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/02/21 11:56	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/02/21 11:56	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/02/21 11:56	108-88-3	
Trichloroethene	2.9	ug/L	1.0	0.26	1		04/02/21 11:56	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/02/21 11:56	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/02/21 11:56	1330-20-7	
cis-1,2-Dichloroethene	5.0	ug/L	1.0	0.27	1		04/02/21 11:56	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/02/21 11:56	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/02/21 11:56	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/02/21 11:56	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	94	%	70-130		1		04/02/21 11:56	460-00-4	
Dibromofluoromethane (S)	110	%	70-130		1		04/02/21 11:56	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/02/21 11:56	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224276

**Sample: RM-005D**      **Lab ID: 40224276004**      Collected: 03/30/21 14:00      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	21.9	ug/L	1.0	0.24	1		04/02/21 07:44	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/02/21 07:44	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/02/21 07:44	79-00-5	
1,1-Dichloroethane	14.6	ug/L	1.0	0.27	1		04/02/21 07:44	75-34-3	
1,1-Dichloroethene	3.0	ug/L	1.0	0.24	1		04/02/21 07:44	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/02/21 07:44	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/02/21 07:44	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/02/21 07:44	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/02/21 07:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/02/21 07:44	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/02/21 07:44	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/02/21 07:44	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/02/21 07:44	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/02/21 07:44	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/02/21 07:44	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/02/21 07:44	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/02/21 07:44	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/02/21 07:44	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/02/21 07:44	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/02/21 07:44	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/02/21 07:44	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/02/21 07:44	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/02/21 07:44	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/02/21 07:44	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/02/21 07:44	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/02/21 07:44	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/02/21 07:44	108-88-3	
Trichloroethene	3.4	ug/L	1.0	0.26	1		04/02/21 07:44	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/02/21 07:44	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/02/21 07:44	1330-20-7	
cis-1,2-Dichloroethene	6.7	ug/L	1.0	0.27	1		04/02/21 07:44	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/02/21 07:44	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/02/21 07:44	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/02/21 07:44	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/02/21 07:44	460-00-4	
Dibromofluoromethane (S)	127	%	70-130		1		04/02/21 07:44	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/02/21 07:44	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER  
Pace Project No.: 40224276

**Sample: FDUP-002**      **Lab ID: 40224276005**      Collected: 03/30/21 00:00      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	33.6	ug/L	1.0	0.24	1		04/01/21 20:39	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 20:39	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 20:39	79-00-5	
1,1-Dichloroethane	22.4	ug/L	1.0	0.27	1		04/01/21 20:39	75-34-3	
1,1-Dichloroethene	5.0	ug/L	1.0	0.24	1		04/01/21 20:39	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 20:39	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 20:39	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 20:39	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 20:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 20:39	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/01/21 20:39	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 20:39	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 20:39	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 20:39	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 20:39	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 20:39	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 20:39	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 20:39	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 20:39	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 20:39	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 20:39	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 20:39	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 20:39	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 20:39	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 20:39	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 20:39	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/01/21 20:39	108-88-3	
Trichloroethene	5.5	ug/L	1.0	0.26	1		04/01/21 20:39	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 20:39	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 20:39	1330-20-7	
cis-1,2-Dichloroethene	10.2	ug/L	1.0	0.27	1		04/01/21 20:39	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 20:39	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 20:39	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 20:39	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/01/21 20:39	460-00-4	
Dibromofluoromethane (S)	130	%	70-130		1		04/01/21 20:39	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		04/01/21 20:39	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224276

**Sample: FB-002**      **Lab ID: 40224276006**      Collected: 03/30/21 15:00      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/01/21 14:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 14:17	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/01/21 14:17	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/01/21 14:17	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/01/21 14:17	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/01/21 14:17	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/01/21 14:17	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/01/21 14:17	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/01/21 14:17	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/01/21 14:17	108-10-1	
Acetone	3.2J	ug/L	20.0	2.7	1		04/01/21 14:17	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/01/21 14:17	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/01/21 14:17	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/01/21 14:17	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/01/21 14:17	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/01/21 14:17	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/01/21 14:17	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/01/21 14:17	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/01/21 14:17	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/01/21 14:17	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/01/21 14:17	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/01/21 14:17	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/01/21 14:17	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/01/21 14:17	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/01/21 14:17	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/01/21 14:17	127-18-4	
Toluene	2.1	ug/L	1.0	0.27	1		04/01/21 14:17	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/01/21 14:17	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/01/21 14:17	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/01/21 14:17	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/01/21 14:17	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/01/21 14:17	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/01/21 14:17	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/01/21 14:17	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/01/21 14:17	460-00-4	
Dibromofluoromethane (S)	123	%	70-130		1		04/01/21 14:17	1868-53-7	
Toluene-d8 (S)	108	%	70-130		1		04/01/21 14:17	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224276

**Sample: TB-001**      **Lab ID: 40224276007**      Collected: 03/30/21 00:00      Received: 03/31/21 17:06      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/02/21 10:21	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/02/21 10:21	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/02/21 10:21	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/02/21 10:21	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/02/21 10:21	75-35-4	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/02/21 10:21	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/02/21 10:21	78-87-5	
2-Butanone (MEK)	<2.9	ug/L	20.0	2.9	1		04/02/21 10:21	78-93-3	
2-Hexanone	<5.2	ug/L	17.4	5.2	1		04/02/21 10:21	591-78-6	
4-Methyl-2-pentanone (MIBK)	<4.6	ug/L	15.5	4.6	1		04/02/21 10:21	108-10-1	
Acetone	<2.7	ug/L	20.0	2.7	1		04/02/21 10:21	67-64-1	
Benzene	<0.25	ug/L	1.0	0.25	1		04/02/21 10:21	71-43-2	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/02/21 10:21	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/02/21 10:21	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/02/21 10:21	74-83-9	
Carbon disulfide	<0.45	ug/L	1.5	0.45	1		04/02/21 10:21	75-15-0	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		04/02/21 10:21	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/02/21 10:21	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/02/21 10:21	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/02/21 10:21	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/02/21 10:21	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/02/21 10:21	124-48-1	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		04/02/21 10:21	100-41-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/02/21 10:21	75-09-2	
Styrene	<3.0	ug/L	10.0	3.0	1		04/02/21 10:21	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/02/21 10:21	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		04/02/21 10:21	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/02/21 10:21	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/02/21 10:21	75-01-4	
Xylene (Total)	<1.5	ug/L	3.0	1.5	1		04/02/21 10:21	1330-20-7	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/02/21 10:21	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/02/21 10:21	10061-01-5	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		04/02/21 10:21	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/02/21 10:21	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/02/21 10:21	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		04/02/21 10:21	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/02/21 10:21	2037-26-5	

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## QUALIFIERS

Project: 419607-0000 PHASE 2 LEMBERGER

Pace Project No.: 40224276

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### 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: 419607.0 PH3 LEMBERG LF SENTIN

Pace Project No.: 40229408

**Sample: RM-003D**      **Lab ID: 40229408001**      Collected: 06/24/21 14:12      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	19.9	ug/L	1.0	0.30	1		07/07/21 10:16	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 10:16	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 10:16	79-00-5	
1,1-Dichloroethane	11.6	ug/L	1.0	0.30	1		07/07/21 10:16	75-34-3	
1,1-Dichloroethene	2.2	ug/L	1.0	0.58	1		07/07/21 10:16	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 10:16	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 10:16	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 10:16	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 10:16	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 10:16	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 10:16	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/21 10:16	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 10:16	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 10:16	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 10:16	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 10:16	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 10:16	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 10:16	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 10:16	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 10:16	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 10:16	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 10:16	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 10:16	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 10:16	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 10:16	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/21 10:16	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/21 10:16	108-88-3	
Trichloroethene	3.3	ug/L	1.0	0.32	1		07/07/21 10:16	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 10:16	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/21 10:16	1330-20-7	
cis-1,2-Dichloroethene	3.2	ug/L	1.0	0.47	1		07/07/21 10:16	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 10:16	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 10:16	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 10:16	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/07/21 10:16	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		1		07/07/21 10:16	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		07/07/21 10:16	2037-26-5	

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## ANALYTICAL RESULTS

Project: 419607.0 PH3 LEMBERG LF SENTIN

Pace Project No.: 40229408

**Sample: RM-003XXD**      **Lab ID: 40229408002**      Collected: 06/24/21 15:31      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	4.3	ug/L	1.0	0.30	1		07/07/21 10:35	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 10:35	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 10:35	79-00-5	
1,1-Dichloroethane	1.7	ug/L	1.0	0.30	1		07/07/21 10:35	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/21 10:35	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 10:35	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 10:35	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 10:35	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 10:35	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 10:35	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 10:35	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/21 10:35	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 10:35	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 10:35	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 10:35	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 10:35	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 10:35	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 10:35	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 10:35	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 10:35	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 10:35	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 10:35	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 10:35	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 10:35	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 10:35	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/21 10:35	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/21 10:35	108-88-3	
Trichloroethene	1.3	ug/L	1.0	0.32	1		07/07/21 10:35	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 10:35	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/21 10:35	1330-20-7	
cis-1,2-Dichloroethene	0.69J	ug/L	1.0	0.47	1		07/07/21 10:35	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 10:35	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 10:35	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 10:35	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/07/21 10:35	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		07/07/21 10:35	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/07/21 10:35	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0 PH3 LEMBERG LF SENTIN

Pace Project No.: 40229408

**Sample: RM-403XD**      **Lab ID: 40229408003**      Collected: 06/24/21 16:40      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	97.9	ug/L	1.0	0.30	1		07/07/21 10:53	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 10:53	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 10:53	79-00-5	
1,1-Dichloroethane	65.5	ug/L	1.0	0.30	1		07/07/21 10:53	75-34-3	
1,1-Dichloroethene	9.1	ug/L	1.0	0.58	1		07/07/21 10:53	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 10:53	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 10:53	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 10:53	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 10:53	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 10:53	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 10:53	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/21 10:53	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 10:53	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 10:53	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 10:53	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 10:53	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 10:53	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 10:53	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 10:53	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 10:53	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 10:53	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 10:53	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 10:53	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 10:53	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 10:53	100-42-5	
Tetrachloroethene	1.1	ug/L	1.0	0.41	1		07/07/21 10:53	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/21 10:53	108-88-3	
Trichloroethene	15.7	ug/L	1.0	0.32	1		07/07/21 10:53	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 10:53	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/21 10:53	1330-20-7	
cis-1,2-Dichloroethene	16.8	ug/L	1.0	0.47	1		07/07/21 10:53	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 10:53	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 10:53	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 10:53	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/07/21 10:53	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		07/07/21 10:53	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		07/07/21 10:53	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0 PH3 LEMBERG LF SENTIN  
Pace Project No.: 40229408

**Sample: FDUP-001**      **Lab ID: 40229408004**      Collected: 06/24/21 00:00      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	87.0	ug/L	1.0	0.30	1		07/07/21 16:14	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 16:14	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 16:14	79-00-5	
1,1-Dichloroethane	57.7	ug/L	1.0	0.30	1		07/07/21 16:14	75-34-3	
1,1-Dichloroethene	7.4	ug/L	1.0	0.58	1		07/07/21 16:14	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 16:14	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 16:14	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 16:14	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 16:14	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 16:14	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 16:14	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/21 16:14	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 16:14	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 16:14	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 16:14	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 16:14	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 16:14	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 16:14	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 16:14	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 16:14	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 16:14	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 16:14	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 16:14	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 16:14	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 16:14	100-42-5	
Tetrachloroethene	0.93J	ug/L	1.0	0.41	1		07/07/21 16:14	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/21 16:14	108-88-3	
Trichloroethene	14.7	ug/L	1.0	0.32	1		07/07/21 16:14	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 16:14	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/21 16:14	1330-20-7	
cis-1,2-Dichloroethene	15.2	ug/L	1.0	0.47	1		07/07/21 16:14	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 16:14	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 16:14	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 16:14	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/07/21 16:14	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		07/07/21 16:14	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		07/07/21 16:14	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0 PH3 LEMBERG LF SENTIN

Pace Project No.: 40229408

**Sample: RM-002D**      **Lab ID: 40229408005**      Collected: 06/28/21 13:00      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	7.5	ug/L	1.0	0.30	1		07/07/21 11:12	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 11:12	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 11:12	79-00-5	
1,1-Dichloroethane	6.3	ug/L	1.0	0.30	1		07/07/21 11:12	75-34-3	
1,1-Dichloroethene	1.1	ug/L	1.0	0.58	1		07/07/21 11:12	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 11:12	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 11:12	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 11:12	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 11:12	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 11:12	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 11:12	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/21 11:12	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 11:12	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 11:12	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 11:12	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 11:12	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 11:12	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 11:12	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 11:12	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 11:12	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 11:12	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 11:12	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 11:12	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 11:12	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 11:12	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/21 11:12	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/21 11:12	108-88-3	
Trichloroethene	2.0	ug/L	1.0	0.32	1		07/07/21 11:12	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 11:12	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/21 11:12	1330-20-7	
cis-1,2-Dichloroethene	1.7	ug/L	1.0	0.47	1		07/07/21 11:12	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 11:12	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 11:12	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 11:12	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/07/21 11:12	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		07/07/21 11:12	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/07/21 11:12	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0 PH3 LEMBERG LF SENTIN

Pace Project No.: 40229408

**Sample: RM-210D**      **Lab ID: 40229408006**      Collected: 06/28/21 15:41      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	7.2	ug/L	1.0	0.30	1		07/07/21 11:31	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 11:31	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 11:31	79-00-5	
1,1-Dichloroethane	4.0	ug/L	1.0	0.30	1		07/07/21 11:31	75-34-3	
1,1-Dichloroethene	1.1	ug/L	1.0	0.58	1		07/07/21 11:31	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 11:31	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 11:31	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 11:31	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 11:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 11:31	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 11:31	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/21 11:31	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 11:31	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 11:31	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 11:31	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 11:31	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 11:31	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 11:31	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 11:31	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 11:31	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 11:31	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 11:31	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 11:31	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 11:31	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 11:31	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/21 11:31	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/21 11:31	108-88-3	
Trichloroethene	1.4	ug/L	1.0	0.32	1		07/07/21 11:31	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 11:31	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/21 11:31	1330-20-7	
cis-1,2-Dichloroethene	2.1	ug/L	1.0	0.47	1		07/07/21 11:31	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 11:31	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 11:31	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 11:31	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		07/07/21 11:31	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		1		07/07/21 11:31	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/07/21 11:31	2037-26-5	

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## ANALYTICAL RESULTS

Project: 419607.0 PH3 LEMBERG LF SENTIN

Pace Project No.: 40229408

**Sample: RM-401XXD**      **Lab ID: 40229408007**      Collected: 06/28/21 17:13      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	3.7	ug/L	1.0	0.30	1		07/07/21 09:57	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 09:57	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 09:57	79-00-5	
1,1-Dichloroethane	1.7	ug/L	1.0	0.30	1		07/07/21 09:57	75-34-3	
1,1-Dichloroethene	1.2	ug/L	1.0	0.58	1		07/07/21 09:57	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 09:57	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 09:57	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 09:57	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 09:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 09:57	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 09:57	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/21 09:57	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 09:57	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 09:57	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 09:57	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 09:57	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 09:57	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 09:57	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 09:57	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 09:57	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 09:57	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 09:57	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 09:57	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 09:57	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 09:57	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/21 09:57	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/21 09:57	108-88-3	
Trichloroethene	0.65J	ug/L	1.0	0.32	1		07/07/21 09:57	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 09:57	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/21 09:57	1330-20-7	
cis-1,2-Dichloroethene	2.7	ug/L	1.0	0.47	1		07/07/21 09:57	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 09:57	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 09:57	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 09:57	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		07/07/21 09:57	460-00-4	
1,2-Dichlorobenzene-d4 (S)	109	%	70-130		1		07/07/21 09:57	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		07/07/21 09:57	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0 PH3 LEMBERG LF SENTIN

Pace Project No.: 40229408

**Sample: FB-001**      **Lab ID: 40229408008**      Collected: 06/28/21 18:30      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 12:46	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 12:46	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 12:46	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 12:46	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/21 12:46	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 12:46	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 12:46	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 12:46	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 12:46	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 12:46	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 12:46	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/21 12:46	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 12:46	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 12:46	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 12:46	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 12:46	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 12:46	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 12:46	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 12:46	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 12:46	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 12:46	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 12:46	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 12:46	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 12:46	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 12:46	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/21 12:46	127-18-4	
Toluene	2.1	ug/L	1.0	0.29	1		07/07/21 12:46	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/07/21 12:46	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 12:46	75-01-4	
Xylene (Total)	1.3J	ug/L	3.0	1.0	1		07/07/21 12:46	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/07/21 12:46	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 12:46	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 12:46	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 12:46	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/07/21 12:46	460-00-4	
1,2-Dichlorobenzene-d4 (S)	110	%	70-130		1		07/07/21 12:46	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/07/21 12:46	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0 PH3 LEMBERG LF SENTIN

Pace Project No.: 40229408

Sample: TB-001 Lab ID: 40229408009 Collected: 06/28/21 00:00 Received: 07/02/21 17:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 09:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 09:38	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 09:38	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 09:38	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/21 09:38	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 09:38	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 09:38	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 09:38	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 09:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 09:38	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 09:38	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/21 09:38	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 09:38	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 09:38	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 09:38	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 09:38	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 09:38	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 09:38	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 09:38	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 09:38	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 09:38	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 09:38	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 09:38	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 09:38	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 09:38	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/21 09:38	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/21 09:38	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/07/21 09:38	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 09:38	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/21 09:38	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/07/21 09:38	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 09:38	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 09:38	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 09:38	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/07/21 09:38	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		07/07/21 09:38	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/07/21 09:38	2037-26-5	

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## QUALIFIERS

Project: 419607.0 PH3 LEMBERG LF SENTIN

Pace Project No.: 40229408

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### 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: 419607.0000 PHASE 3 LEMBERGER

Pace Project No.: 40229409

**Sample: RM-206S**      **Lab ID: 40229409001**      Collected: 06/29/21 10:26      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 11:50	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 11:50	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 11:50	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 11:50	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/21 11:50	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 11:50	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 11:50	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 11:50	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 11:50	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 11:50	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 11:50	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/21 11:50	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 11:50	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 11:50	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 11:50	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 11:50	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 11:50	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 11:50	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 11:50	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 11:50	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 11:50	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 11:50	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 11:50	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 11:50	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 11:50	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/21 11:50	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/21 11:50	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/07/21 11:50	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 11:50	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/21 11:50	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/07/21 11:50	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 11:50	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 11:50	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 11:50	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		07/07/21 11:50	460-00-4	
1,2-Dichlorobenzene-d4 (S)	110	%	70-130		1		07/07/21 11:50	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/07/21 11:50	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 3 LEMBERGER

Pace Project No.: 40229409

**Sample: RM-005S**      **Lab ID: 40229409002**      Collected: 06/29/21 12:33      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 12:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 12:09	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 12:09	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 12:09	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/21 12:09	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 12:09	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 12:09	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 12:09	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 12:09	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 12:09	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 12:09	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/21 12:09	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 12:09	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 12:09	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 12:09	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 12:09	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 12:09	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 12:09	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 12:09	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 12:09	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 12:09	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 12:09	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 12:09	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 12:09	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 12:09	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/21 12:09	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/21 12:09	108-88-3	
Trichloroethene	0.35J	ug/L	1.0	0.32	1		07/07/21 12:09	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 12:09	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/21 12:09	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/07/21 12:09	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 12:09	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 12:09	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 12:09	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	98	%	70-130		1		07/07/21 12:09	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		07/07/21 12:09	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		07/07/21 12:09	2037-26-5	

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## ANALYTICAL RESULTS

Project: 419607.0000 PHASE 3 LEMBERGER

Pace Project No.: 40229409

**Sample:** LH-01      **Lab ID:** 40229409003      Collected: 06/29/21 15:49      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 12:27	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 12:27	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 12:27	79-00-5	
1,1-Dichloroethane	0.81J	ug/L	1.0	0.30	1		07/07/21 12:27	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/21 12:27	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 12:27	107-06-2	
1,2-Dichloropropane	0.78J	ug/L	1.0	0.45	1		07/07/21 12:27	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 12:27	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 12:27	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 12:27	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 12:27	67-64-1	
Benzene	3.4	ug/L	1.0	0.30	1		07/07/21 12:27	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 12:27	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 12:27	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 12:27	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 12:27	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 12:27	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 12:27	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 12:27	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 12:27	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 12:27	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 12:27	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 12:27	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 12:27	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 12:27	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/21 12:27	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/21 12:27	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/07/21 12:27	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 12:27	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/21 12:27	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/07/21 12:27	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 12:27	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 12:27	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 12:27	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/07/21 12:27	460-00-4	
1,2-Dichlorobenzene-d4 (S)	106	%	70-130		1		07/07/21 12:27	2199-69-1	
Toluene-d8 (S)	95	%	70-130		1		07/07/21 12:27	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 3 LEMBERGER

Pace Project No.: 40229409

**Sample: FDUP-002**      **Lab ID: 40229409004**      Collected: 06/29/21 00:00      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 13:05	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 13:05	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 13:05	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 13:05	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/21 13:05	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 13:05	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 13:05	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 13:05	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 13:05	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 13:05	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 13:05	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/21 13:05	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 13:05	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 13:05	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 13:05	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 13:05	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 13:05	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 13:05	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 13:05	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 13:05	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 13:05	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 13:05	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 13:05	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 13:05	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 13:05	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/21 13:05	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/21 13:05	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/07/21 13:05	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 13:05	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/21 13:05	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/07/21 13:05	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 13:05	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 13:05	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 13:05	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/07/21 13:05	460-00-4	
1,2-Dichlorobenzene-d4 (S)	107	%	70-130		1		07/07/21 13:05	2199-69-1	
Toluene-d8 (S)	97	%	70-130		1		07/07/21 13:05	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 3 LEMBERGER

Pace Project No.: 40229409

**Sample: LH-03**      **Lab ID: 40229409005**      Collected: 06/30/21 09:04      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 13:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 13:24	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 13:24	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 13:24	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/21 13:24	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 13:24	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 13:24	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 13:24	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 13:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 13:24	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 13:24	67-64-1	
Benzene	1.3	ug/L	1.0	0.30	1		07/07/21 13:24	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 13:24	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 13:24	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 13:24	74-83-9	
Carbon disulfide	7.0	ug/L	5.0	1.1	1		07/07/21 13:24	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 13:24	56-23-5	
Chlorobenzene	1.3	ug/L	1.0	0.86	1		07/07/21 13:24	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 13:24	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 13:24	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 13:24	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 13:24	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 13:24	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 13:24	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 13:24	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/21 13:24	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/21 13:24	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/07/21 13:24	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 13:24	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/21 13:24	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/07/21 13:24	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 13:24	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 13:24	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 13:24	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/07/21 13:24	460-00-4	
1,2-Dichlorobenzene-d4 (S)	110	%	70-130		1		07/07/21 13:24	2199-69-1	
Toluene-d8 (S)	99	%	70-130		1		07/07/21 13:24	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 3 LEMBERGER

Pace Project No.: 40229409

**Sample: RM-207S**      **Lab ID: 40229409006**      Collected: 06/30/21 11:28      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 13:42	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 13:42	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 13:42	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 13:42	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/21 13:42	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 13:42	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 13:42	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 13:42	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 13:42	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 13:42	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 13:42	67-64-1	
Benzene	0.36J	ug/L	1.0	0.30	1		07/07/21 13:42	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 13:42	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 13:42	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 13:42	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 13:42	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 13:42	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 13:42	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 13:42	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 13:42	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 13:42	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 13:42	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 13:42	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 13:42	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 13:42	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/21 13:42	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/21 13:42	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/07/21 13:42	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 13:42	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/21 13:42	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/07/21 13:42	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 13:42	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 13:42	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 13:42	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	100	%	70-130		1		07/07/21 13:42	460-00-4	
1,2-Dichlorobenzene-d4 (S)	110	%	70-130		1		07/07/21 13:42	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/07/21 13:42	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 3 LEMBERGER

Pace Project No.: 40229409

**Sample: LW-07**      **Lab ID: 40229409007**      Collected: 06/30/21 14:14      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 14:01	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 14:01	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 14:01	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 14:01	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/21 14:01	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 14:01	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 14:01	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 14:01	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 14:01	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 14:01	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 14:01	67-64-1	
Benzene	2.3	ug/L	1.0	0.30	1		07/07/21 14:01	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 14:01	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 14:01	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 14:01	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 14:01	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 14:01	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 14:01	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 14:01	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 14:01	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 14:01	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 14:01	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 14:01	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 14:01	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 14:01	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/21 14:01	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/21 14:01	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/07/21 14:01	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 14:01	75-01-4	
Xylene (Total)	1.6J	ug/L	3.0	1.0	1		07/07/21 14:01	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/07/21 14:01	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 14:01	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 14:01	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 14:01	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/07/21 14:01	460-00-4	
1,2-Dichlorobenzene-d4 (S)	110	%	70-130		1		07/07/21 14:01	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/07/21 14:01	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 3 LEMBERGER

Pace Project No.: 40229409

**Sample: RM-208S**      **Lab ID: 40229409008**      Collected: 06/30/21 15:05      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 14:20	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 14:20	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 14:20	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 14:20	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/21 14:20	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 14:20	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 14:20	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 14:20	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 14:20	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 14:20	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 14:20	67-64-1	
Benzene	0.65J	ug/L	1.0	0.30	1		07/07/21 14:20	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 14:20	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 14:20	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 14:20	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 14:20	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 14:20	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 14:20	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 14:20	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 14:20	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 14:20	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 14:20	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 14:20	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 14:20	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 14:20	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/21 14:20	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/07/21 14:20	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/07/21 14:20	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 14:20	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/07/21 14:20	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/07/21 14:20	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 14:20	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 14:20	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 14:20	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/07/21 14:20	460-00-4	
1,2-Dichlorobenzene-d4 (S)	110	%	70-130		1		07/07/21 14:20	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/07/21 14:20	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 3 LEMBERGER

Pace Project No.: 40229409

**Sample: FB-002**      **Lab ID: 40229409009**      Collected: 06/30/21 16:00      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 09:19	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/07/21 09:19	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/07/21 09:19	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/07/21 09:19	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/07/21 09:19	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/07/21 09:19	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/07/21 09:19	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/07/21 09:19	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/07/21 09:19	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/07/21 09:19	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/07/21 09:19	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/07/21 09:19	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/07/21 09:19	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/07/21 09:19	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/07/21 09:19	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/07/21 09:19	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/07/21 09:19	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/07/21 09:19	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/07/21 09:19	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/07/21 09:19	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/07/21 09:19	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/07/21 09:19	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/07/21 09:19	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/07/21 09:19	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/07/21 09:19	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/07/21 09:19	127-18-4	
Toluene	2.3	ug/L	1.0	0.29	1		07/07/21 09:19	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/07/21 09:19	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/07/21 09:19	75-01-4	
Xylene (Total)	1.4J	ug/L	3.0	1.0	1		07/07/21 09:19	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/07/21 09:19	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/07/21 09:19	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/07/21 09:19	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/07/21 09:19	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	101	%	70-130		1		07/07/21 09:19	460-00-4	
1,2-Dichlorobenzene-d4 (S)	108	%	70-130		1		07/07/21 09:19	2199-69-1	
Toluene-d8 (S)	96	%	70-130		1		07/07/21 09:19	2037-26-5	

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### ANALYTICAL RESULTS

Project: 419607.0000 PHASE 3 LEMBERGER

Pace Project No.: 40229409

**Sample: TB-001**      **Lab ID: 40229409010**      Collected: 06/30/21 00:00      Received: 07/02/21 17:39      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1-Trichloroethane	<0.30	ug/L	1.0	0.30	1		07/09/21 10:10	71-55-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		07/09/21 10:10	79-34-5	
1,1,2-Trichloroethane	<0.34	ug/L	5.0	0.34	1		07/09/21 10:10	79-00-5	
1,1-Dichloroethane	<0.30	ug/L	1.0	0.30	1		07/09/21 10:10	75-34-3	
1,1-Dichloroethene	<0.58	ug/L	1.0	0.58	1		07/09/21 10:10	75-35-4	
1,2-Dichloroethane	<0.29	ug/L	1.0	0.29	1		07/09/21 10:10	107-06-2	
1,2-Dichloropropane	<0.45	ug/L	1.0	0.45	1		07/09/21 10:10	78-87-5	
2-Butanone (MEK)	<6.5	ug/L	25.0	6.5	1		07/09/21 10:10	78-93-3	
2-Hexanone	<6.3	ug/L	25.0	6.3	1		07/09/21 10:10	591-78-6	
4-Methyl-2-pentanone (MIBK)	<6.0	ug/L	25.0	6.0	1		07/09/21 10:10	108-10-1	
Acetone	<8.6	ug/L	25.0	8.6	1		07/09/21 10:10	67-64-1	
Benzene	<0.30	ug/L	1.0	0.30	1		07/09/21 10:10	71-43-2	
Bromodichloromethane	<0.42	ug/L	1.0	0.42	1		07/09/21 10:10	75-27-4	
Bromoform	<3.8	ug/L	5.0	3.8	1		07/09/21 10:10	75-25-2	
Bromomethane	<1.2	ug/L	5.0	1.2	1		07/09/21 10:10	74-83-9	
Carbon disulfide	<1.1	ug/L	5.0	1.1	1		07/09/21 10:10	75-15-0	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		07/09/21 10:10	56-23-5	
Chlorobenzene	<0.86	ug/L	1.0	0.86	1		07/09/21 10:10	108-90-7	
Chloroethane	<1.4	ug/L	5.0	1.4	1		07/09/21 10:10	75-00-3	
Chloroform	<1.2	ug/L	5.0	1.2	1		07/09/21 10:10	67-66-3	
Chloromethane	<1.6	ug/L	5.0	1.6	1		07/09/21 10:10	74-87-3	
Dibromochloromethane	<2.6	ug/L	5.0	2.6	1		07/09/21 10:10	124-48-1	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		07/09/21 10:10	100-41-4	
Methylene Chloride	<0.32	ug/L	5.0	0.32	1		07/09/21 10:10	75-09-2	
Styrene	<0.36	ug/L	1.0	0.36	1		07/09/21 10:10	100-42-5	
Tetrachloroethene	<0.41	ug/L	1.0	0.41	1		07/09/21 10:10	127-18-4	
Toluene	<0.29	ug/L	1.0	0.29	1		07/09/21 10:10	108-88-3	
Trichloroethene	<0.32	ug/L	1.0	0.32	1		07/09/21 10:10	79-01-6	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		07/09/21 10:10	75-01-4	
Xylene (Total)	<1.0	ug/L	3.0	1.0	1		07/09/21 10:10	1330-20-7	
cis-1,2-Dichloroethene	<0.47	ug/L	1.0	0.47	1		07/09/21 10:10	156-59-2	
cis-1,3-Dichloropropene	<0.36	ug/L	1.0	0.36	1		07/09/21 10:10	10061-01-5	
trans-1,2-Dichloroethene	<0.53	ug/L	1.0	0.53	1		07/09/21 10:10	156-60-5	
trans-1,3-Dichloropropene	<3.5	ug/L	5.0	3.5	1		07/09/21 10:10	10061-02-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/09/21 10:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	103	%	70-130		1		07/09/21 10:10	2199-69-1	
Toluene-d8 (S)	98	%	70-130		1		07/09/21 10:10	2037-26-5	

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: 419607.0000 PHASE 3 LEMBERGER

Pace Project No.: 40229409

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### 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.

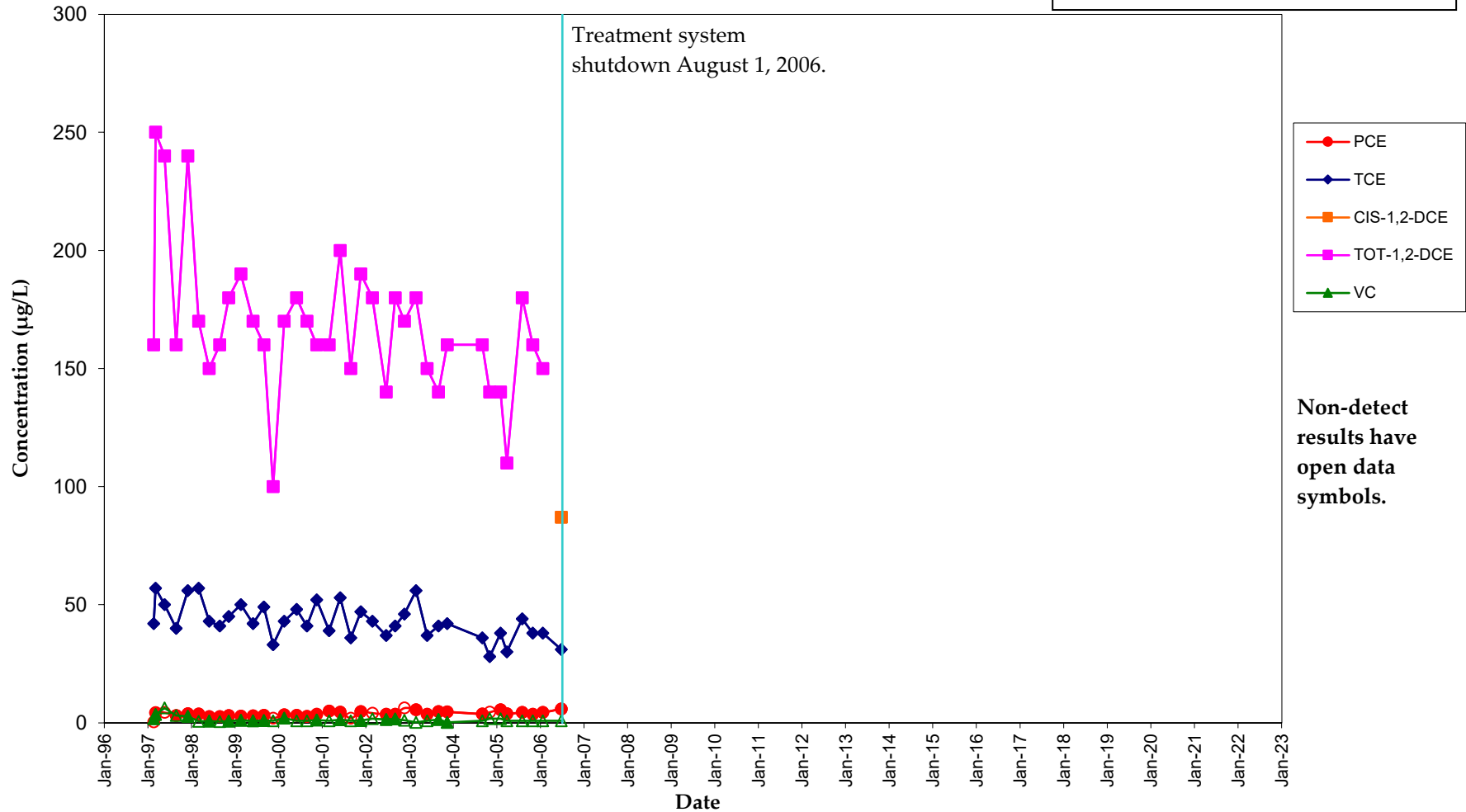
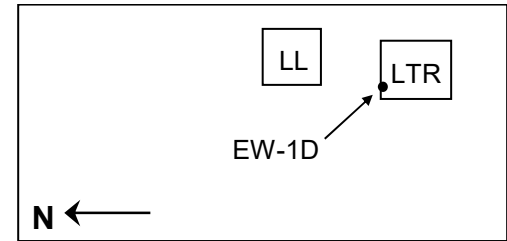
TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

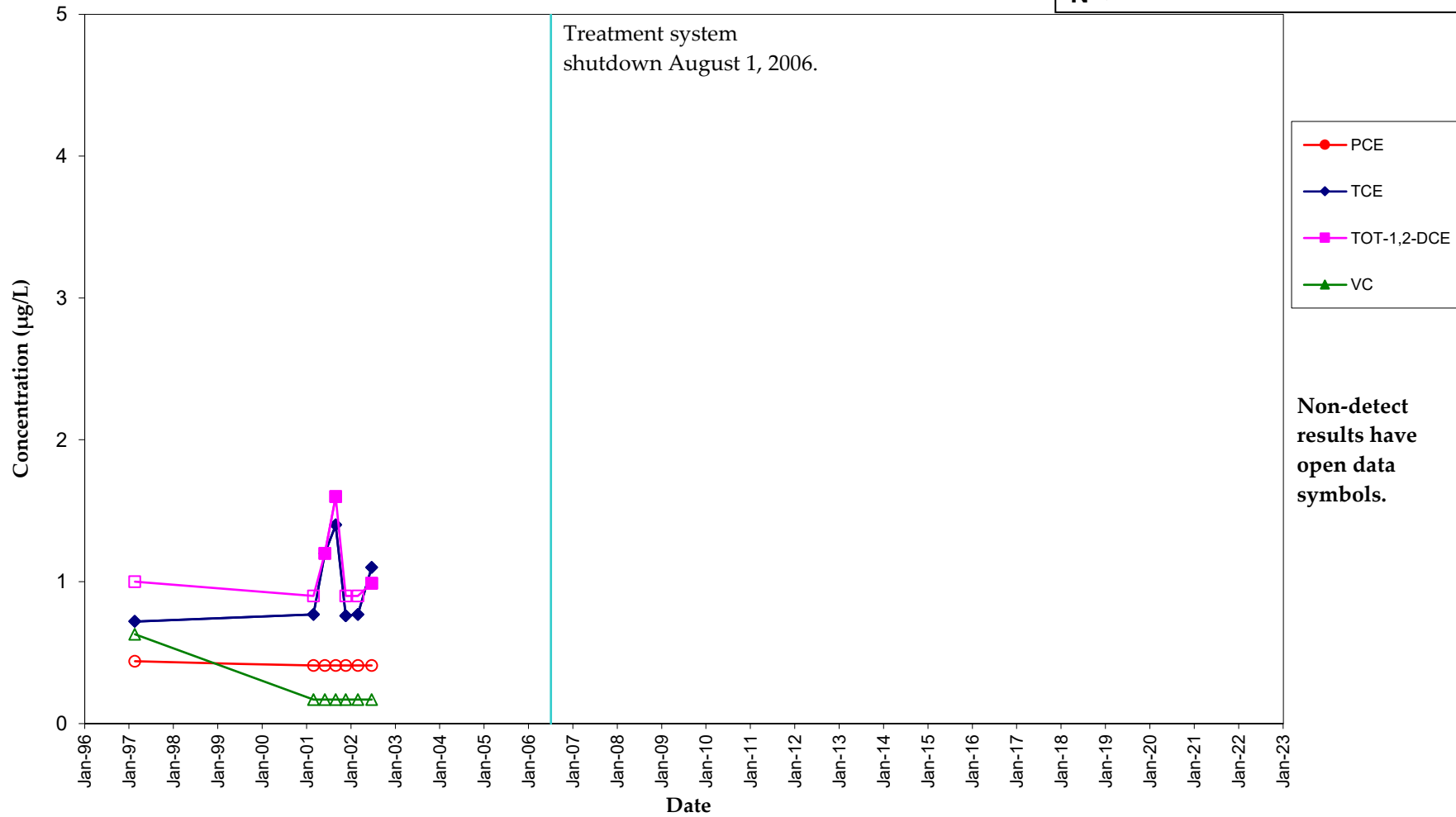
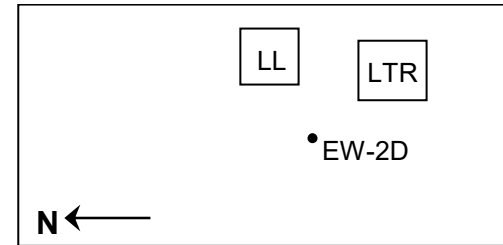
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## **Appendix G: VOC Trend Plots – TCE and Degradation Products**

## EW-01D VOC Concentration Trends Lemberger Landfill



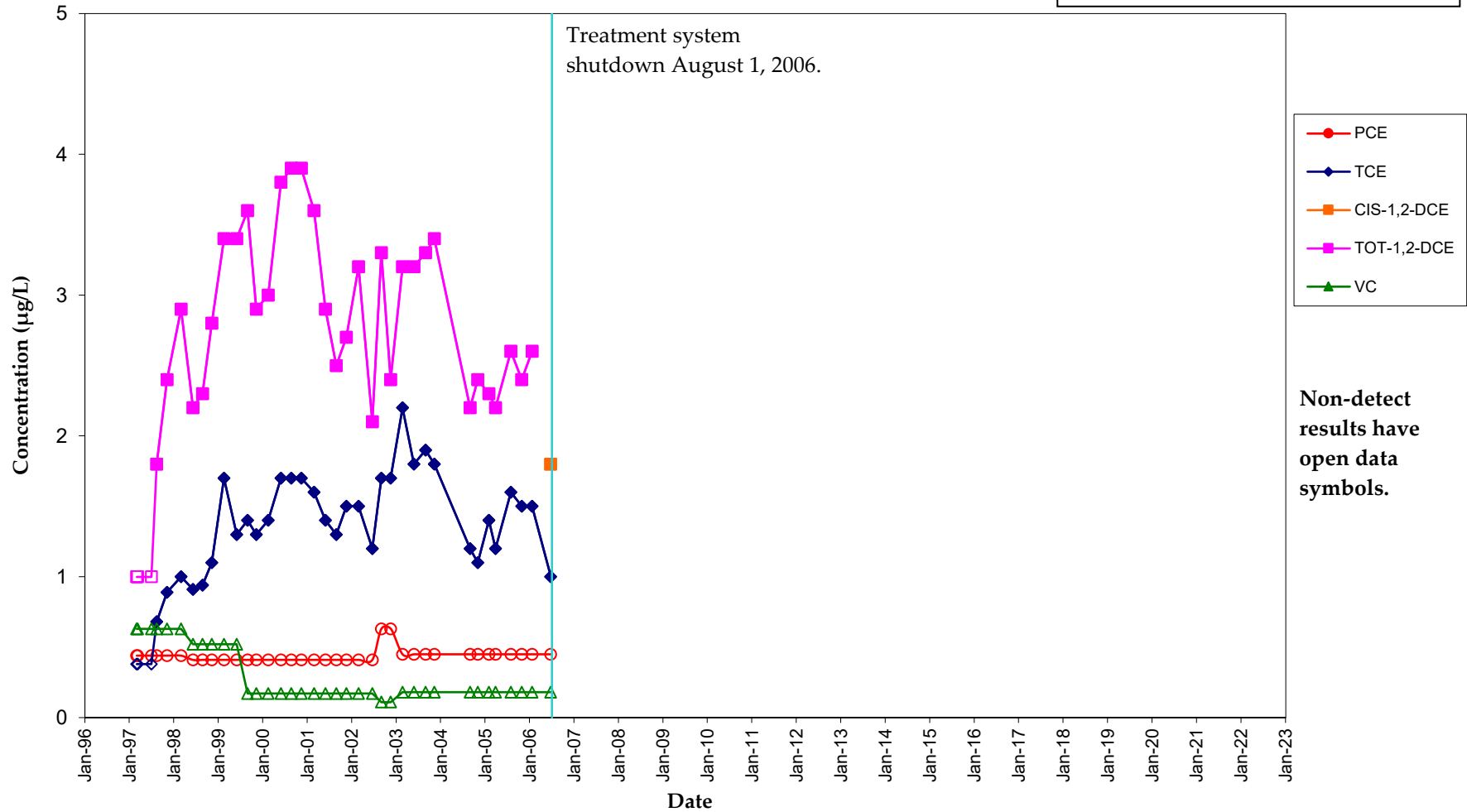
# EW-02D VOC Concentration Trends Lemberger Landfill



**EW-03D  
VOC Concentration Trends  
Lemberger Landfill**

• EW-3D      LL      LTR

N ←



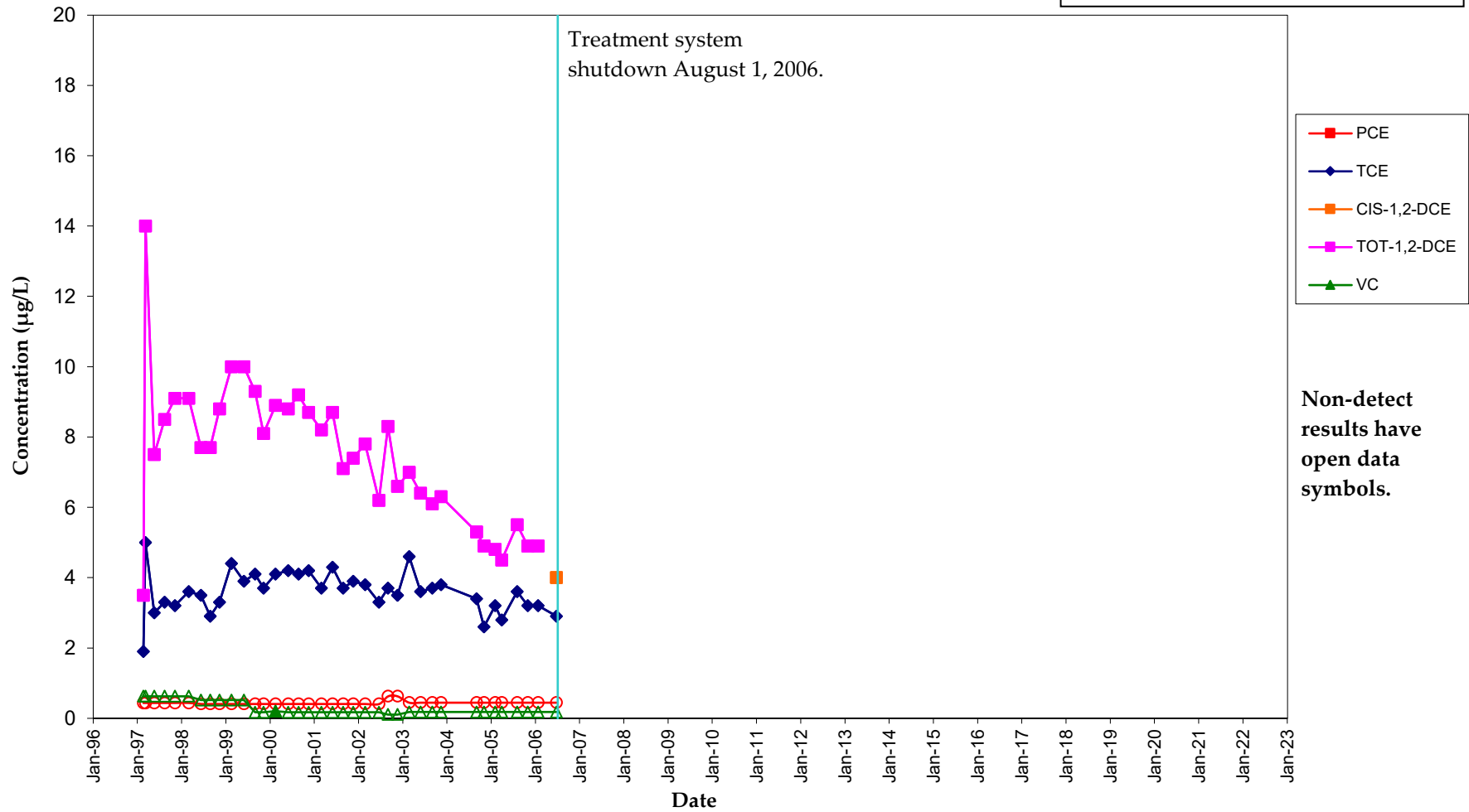
**Non-detect results have open data symbols.**

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

LL
LTR

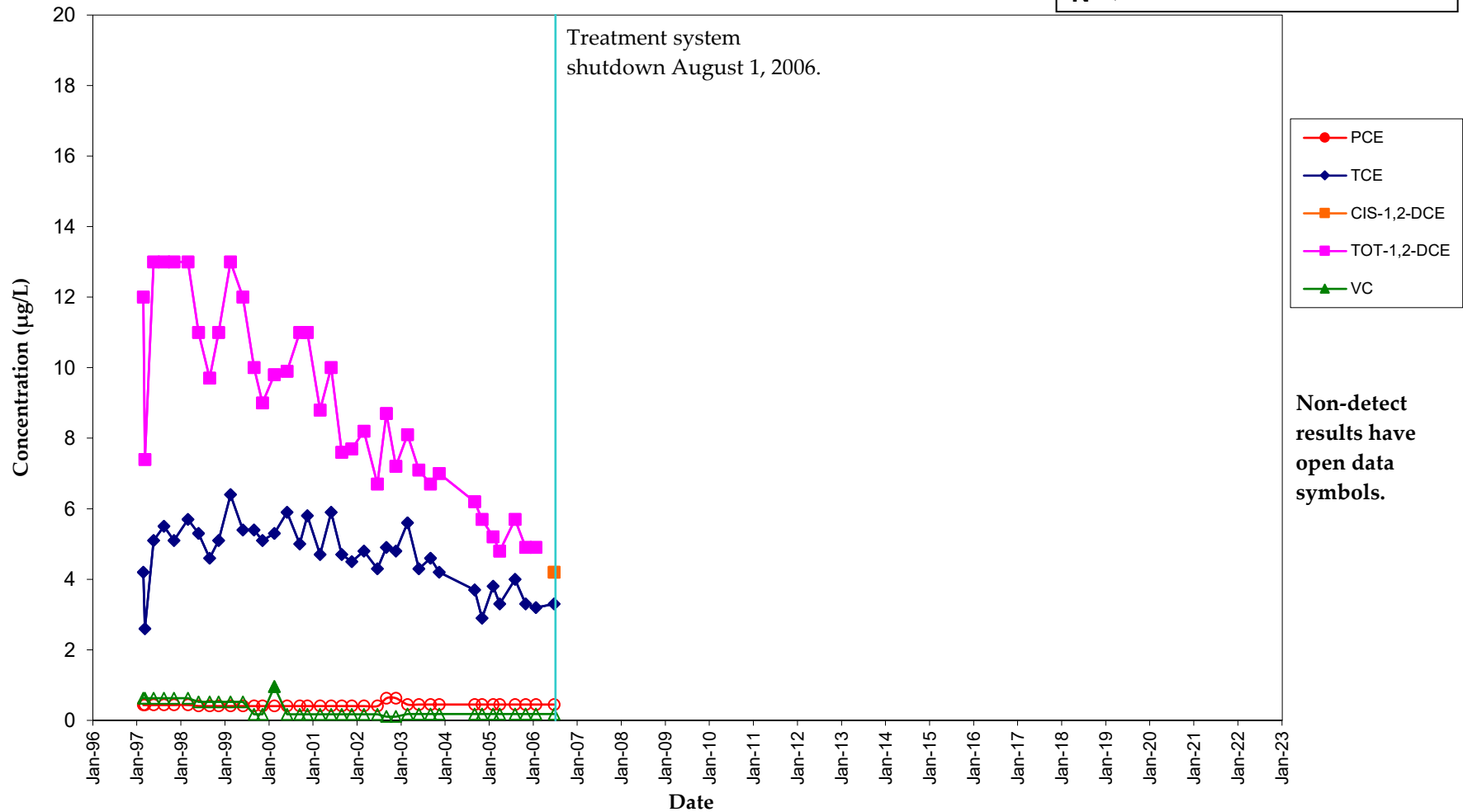
● EW-4I, 4D

**N** ←

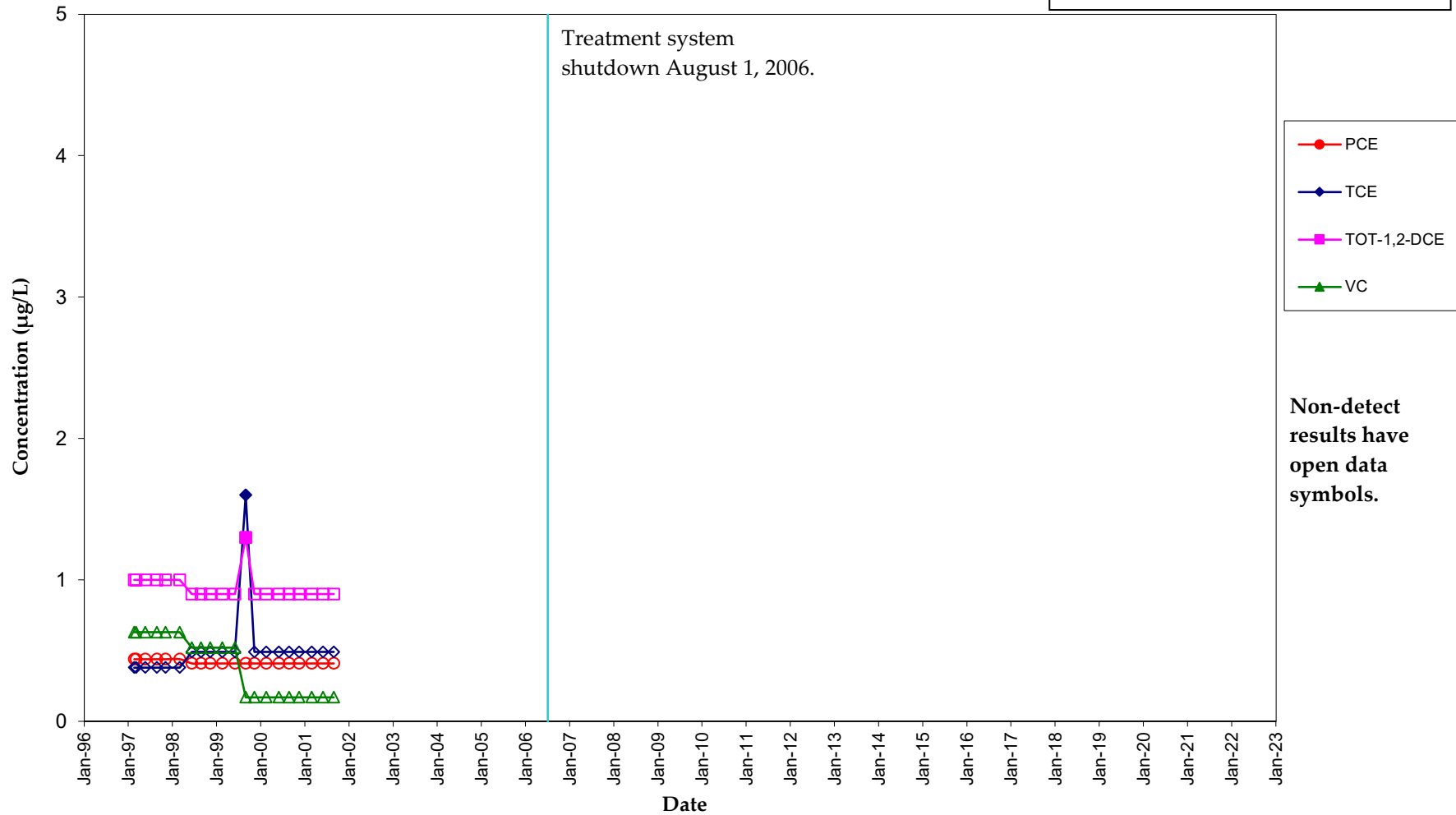
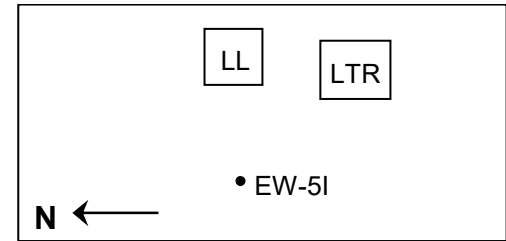


**EW-04I  
VOC Concentration Trends  
Lemberger Landfill**

LL    LTR  
 ● EW-4I, 4D  
**N** ←

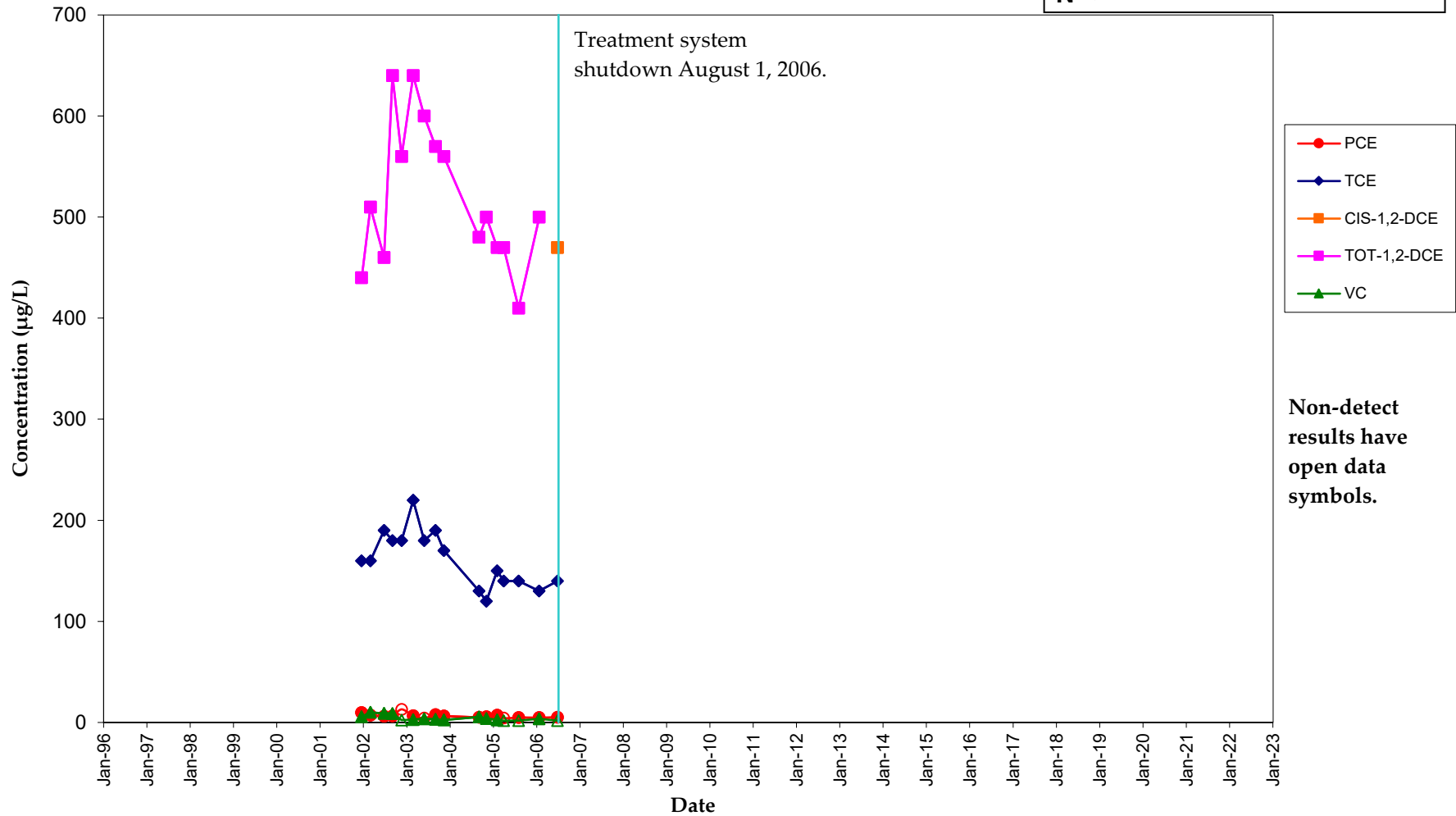
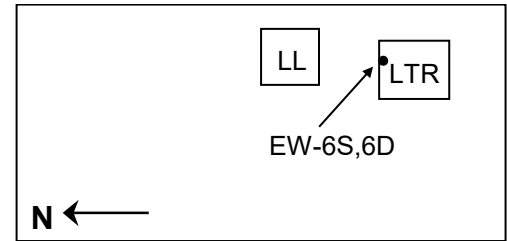


**EW-05I**  
**VOC Concentration Trends**  
**Lemberger Landfill**

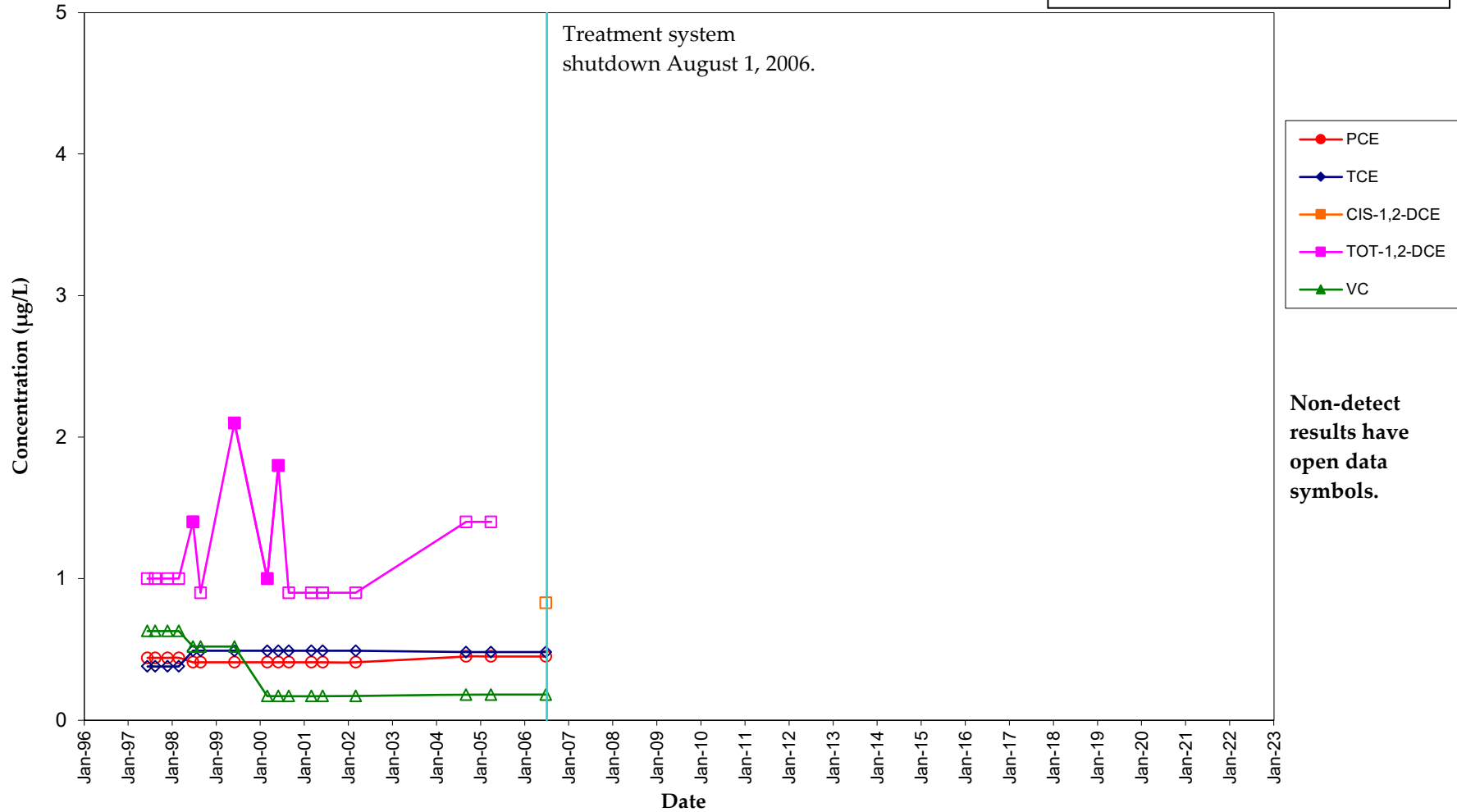
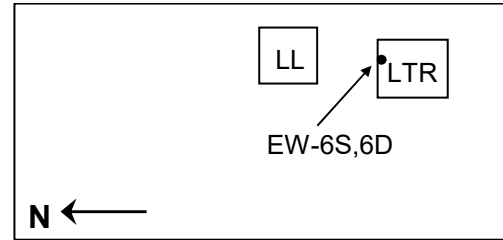




**EW-06D  
VOC Concentration Trends  
Lemberger Landfill**

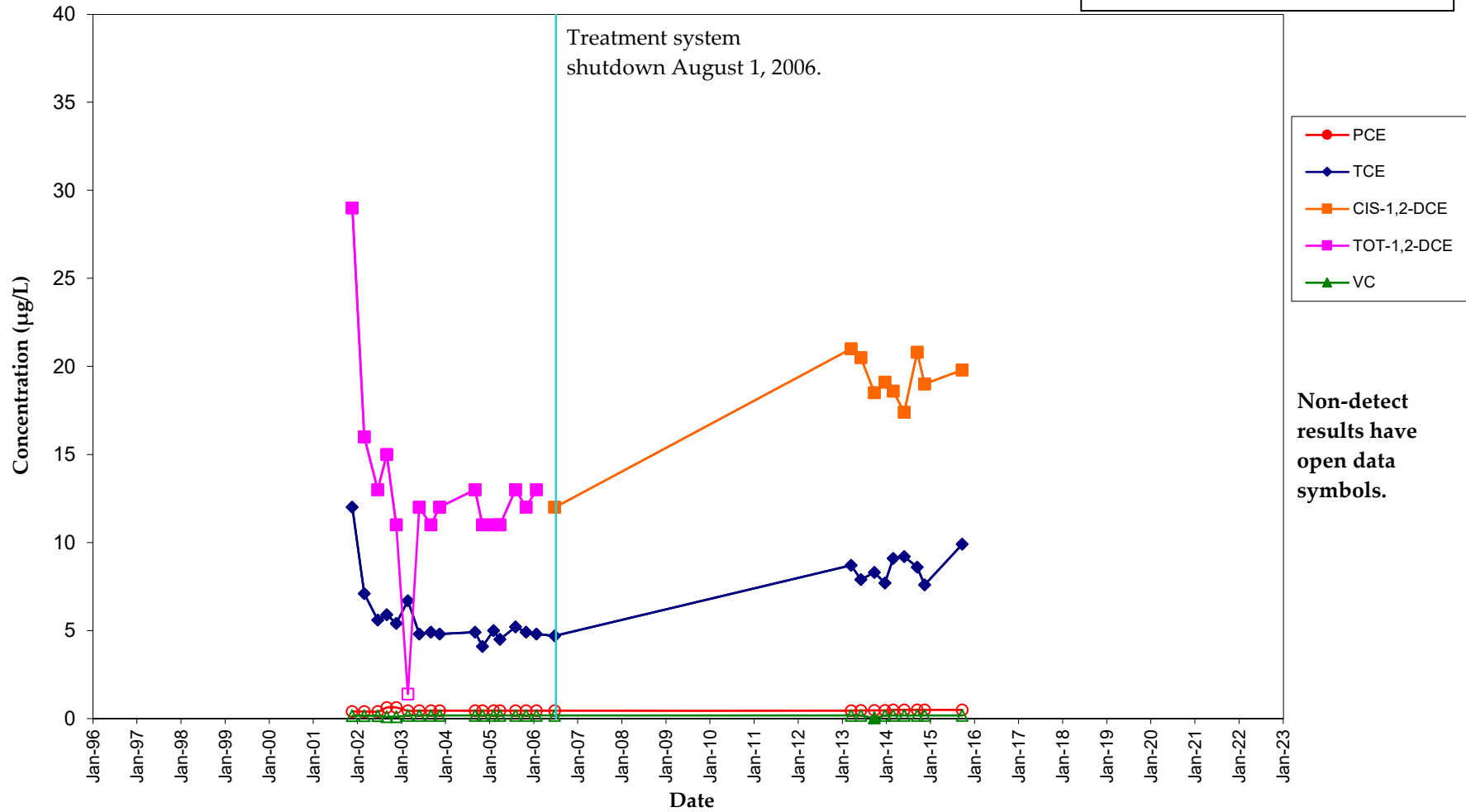
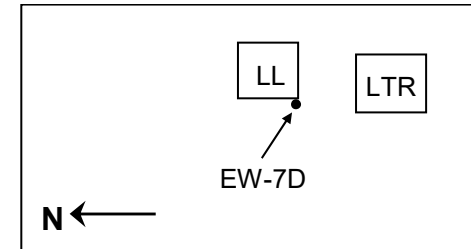


# EW-06S VOC Concentration Trends Lemberger Landfill

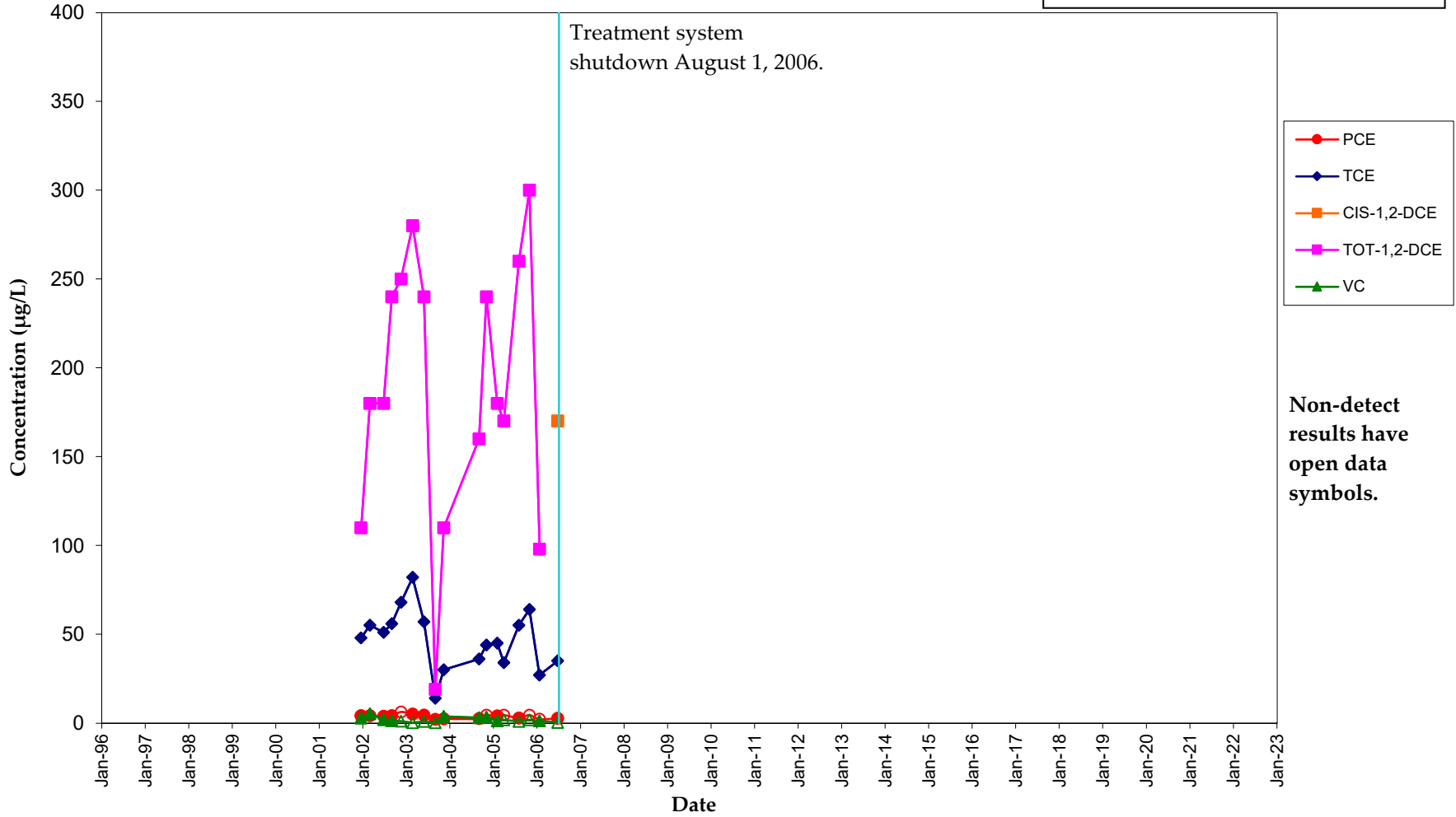
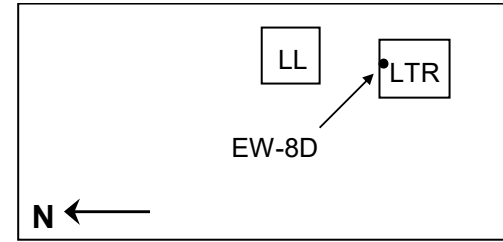


**Non-detect  
results have  
open data  
symbols.**

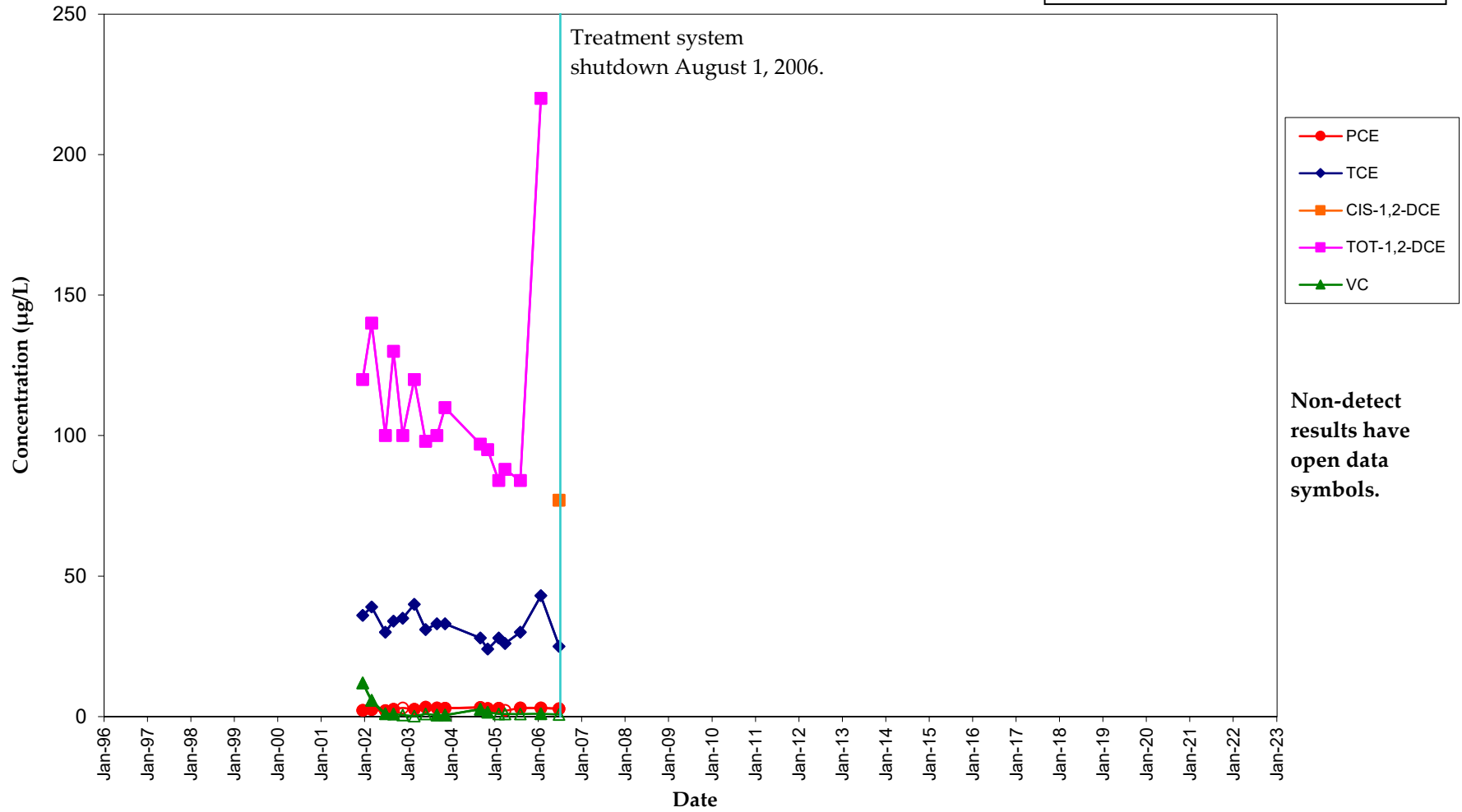
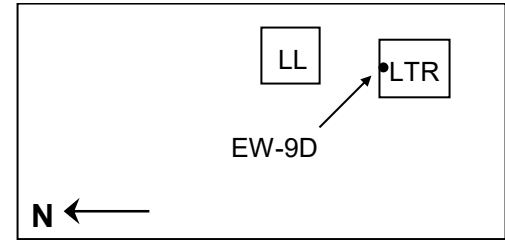
## EW-07D VOC Concentration Trends Lemberger Landfill



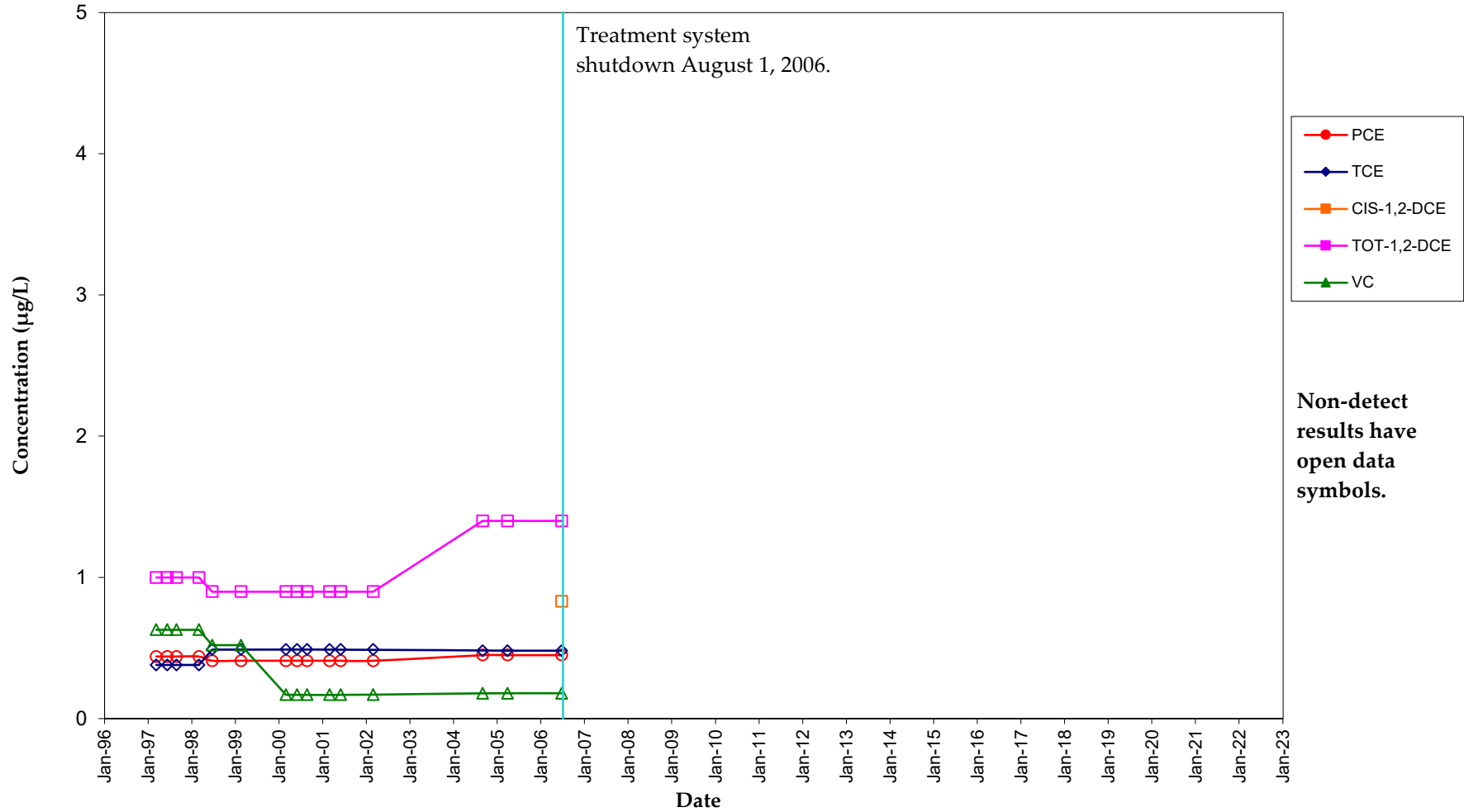
## EW-08D VOC Concentration Trends Lemberger Landfill



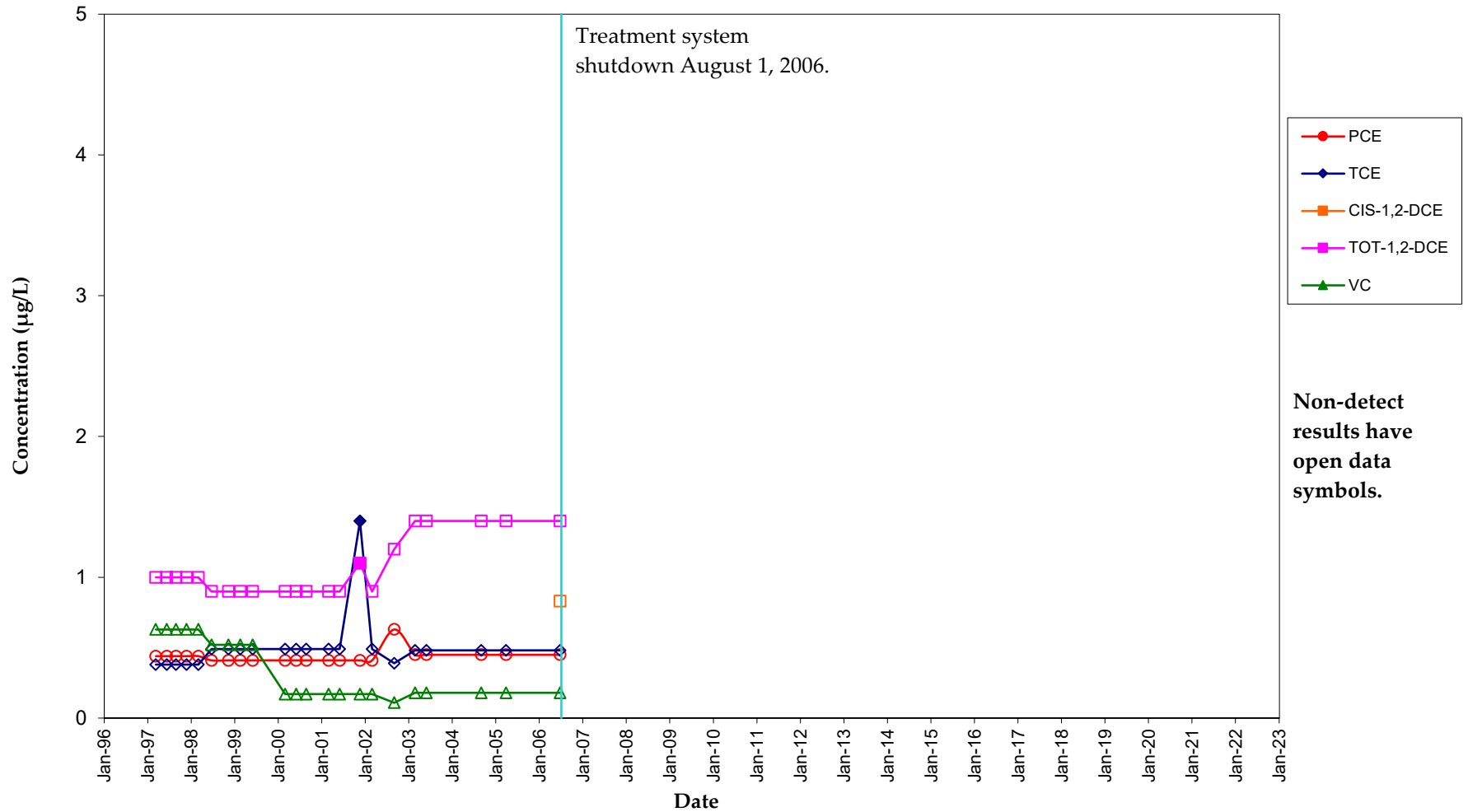
## EW-09D VOC Concentration Trends Lemberger Landfill



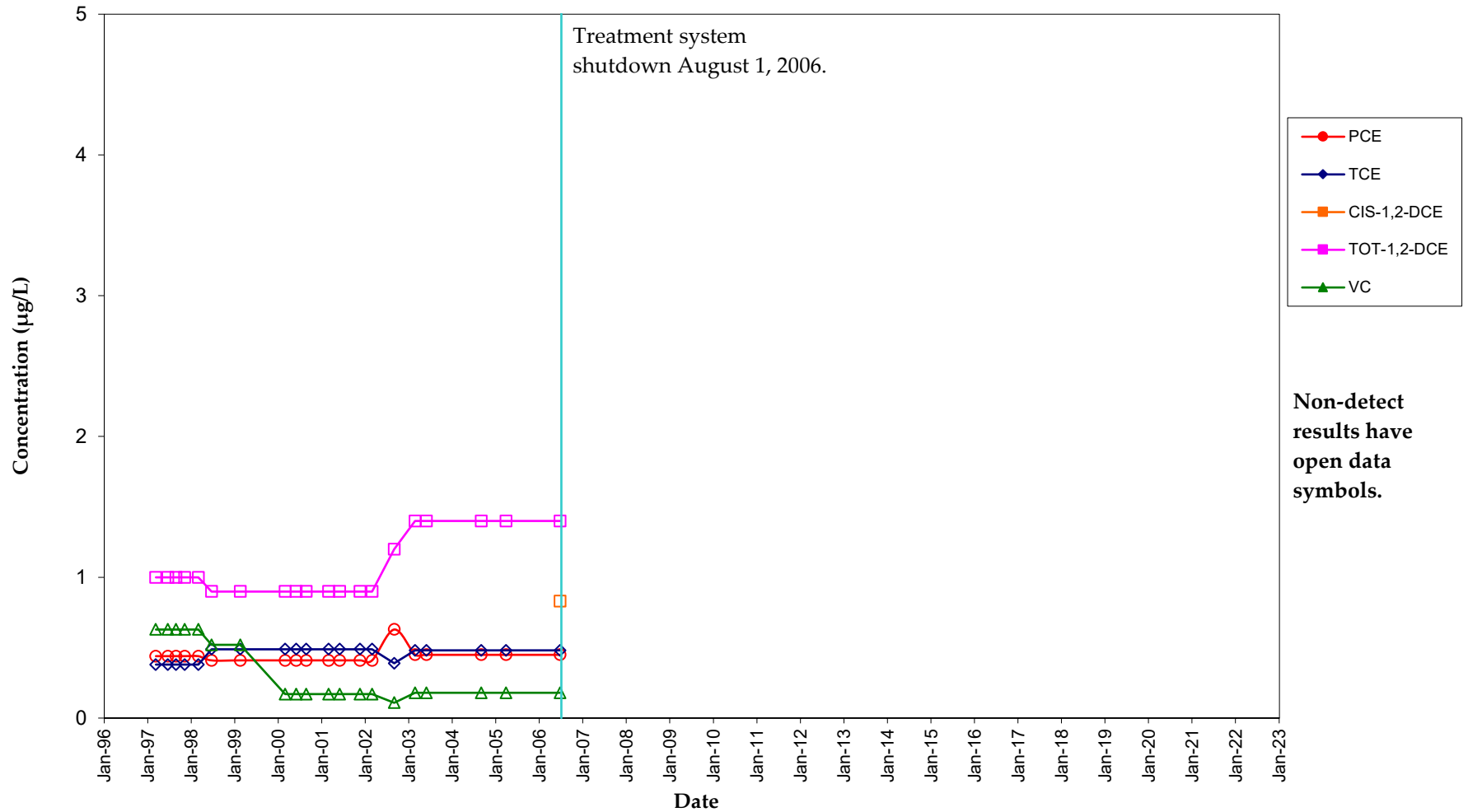
## GWC-1 VOC Concentration Trends Lemberger Landfill



## GWC-2 VOC Concentration Trends Lemberger Landfill

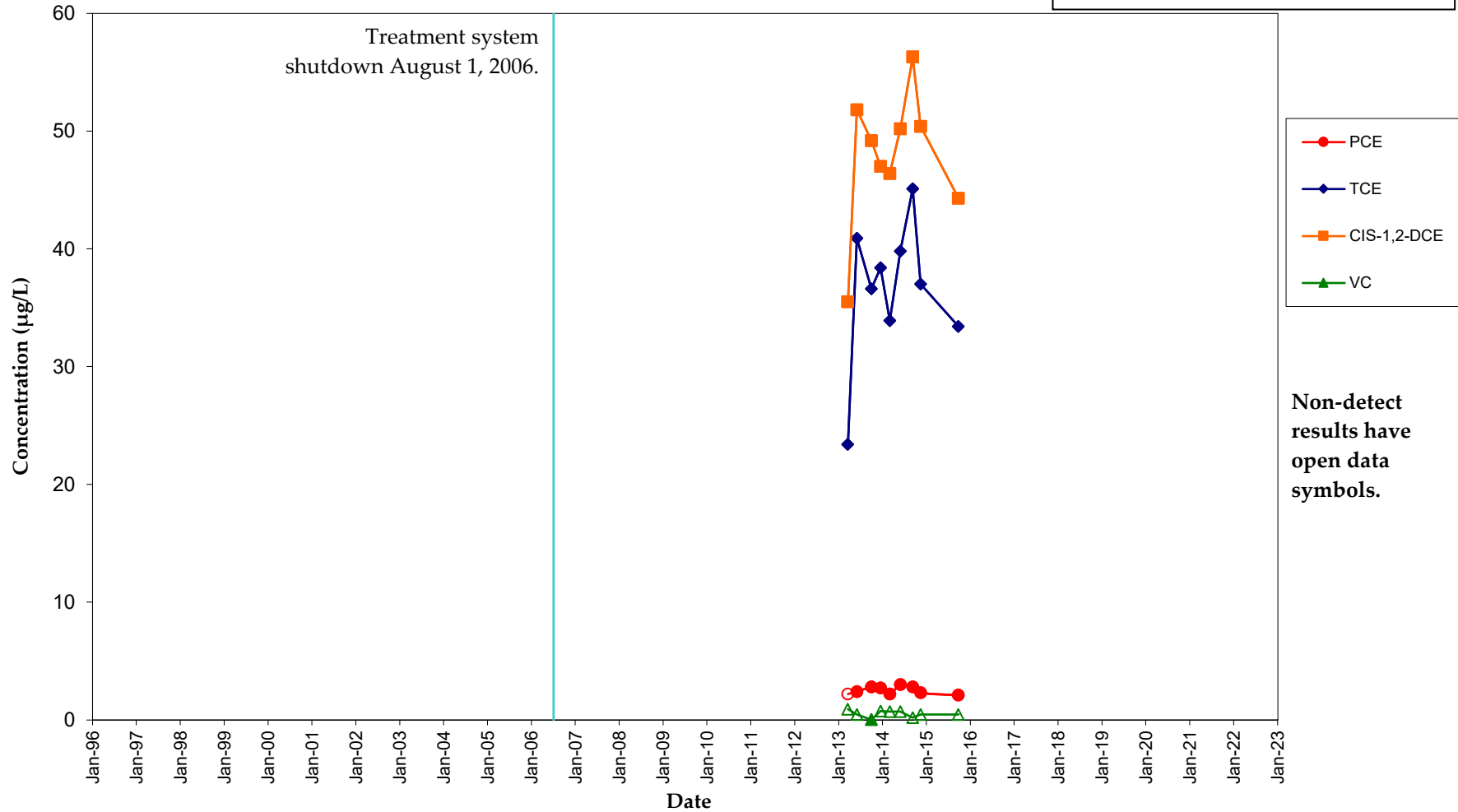
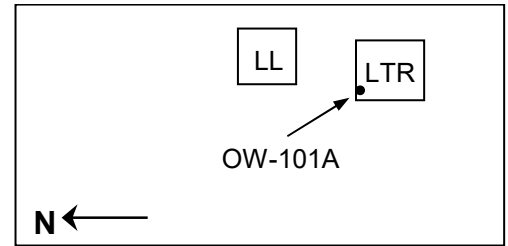


## GWC-3 VOC Concentration Trends Lemberger Landfill

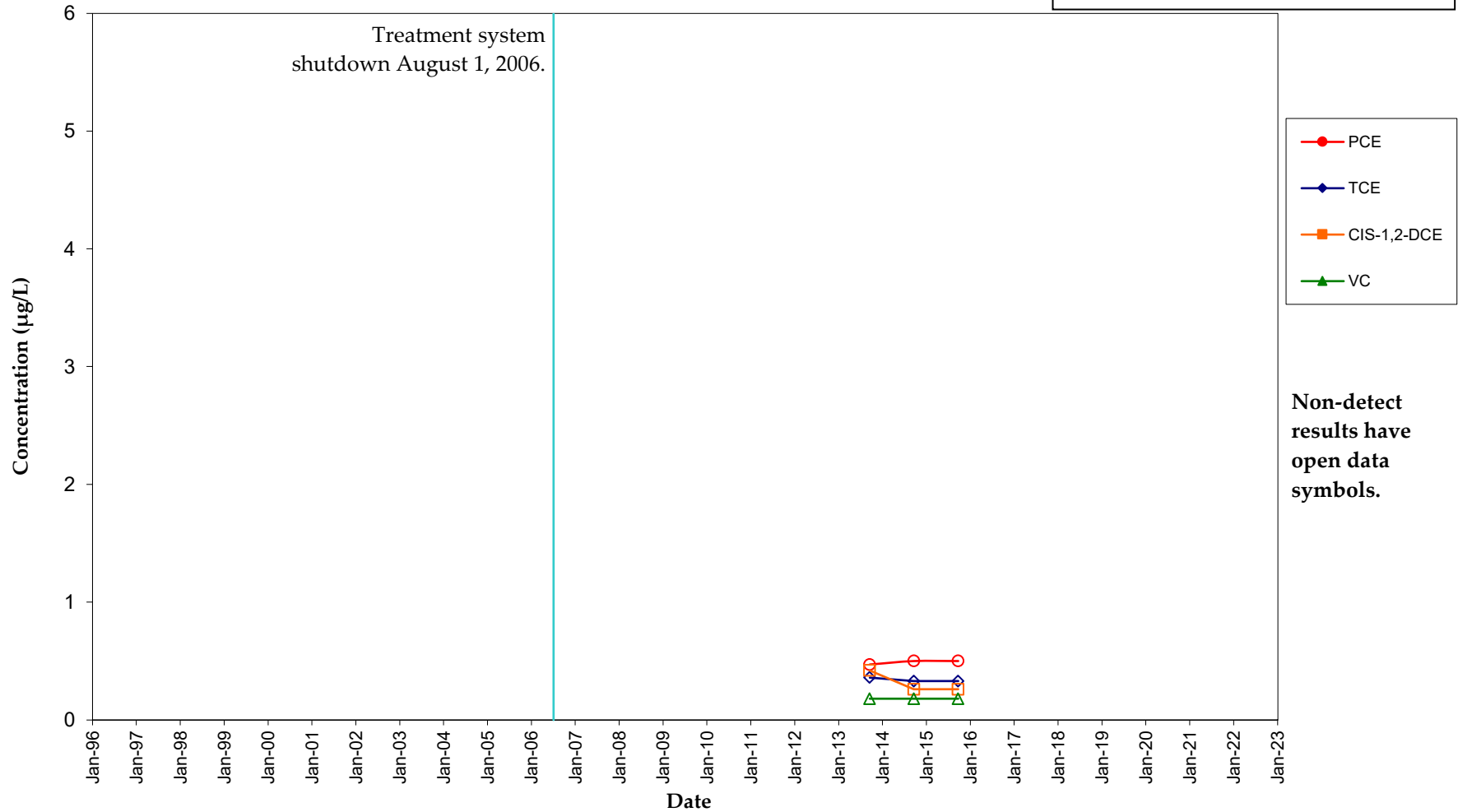
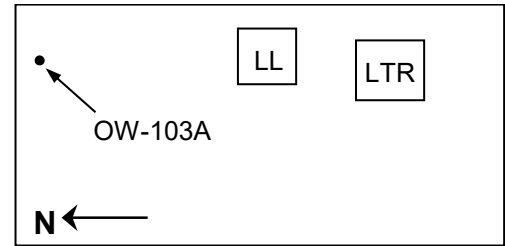




# OW-101A VOC Concentration Trends Lemberger Landfill



# OW-103A VOC Concentration Trends Lemberger Landfill



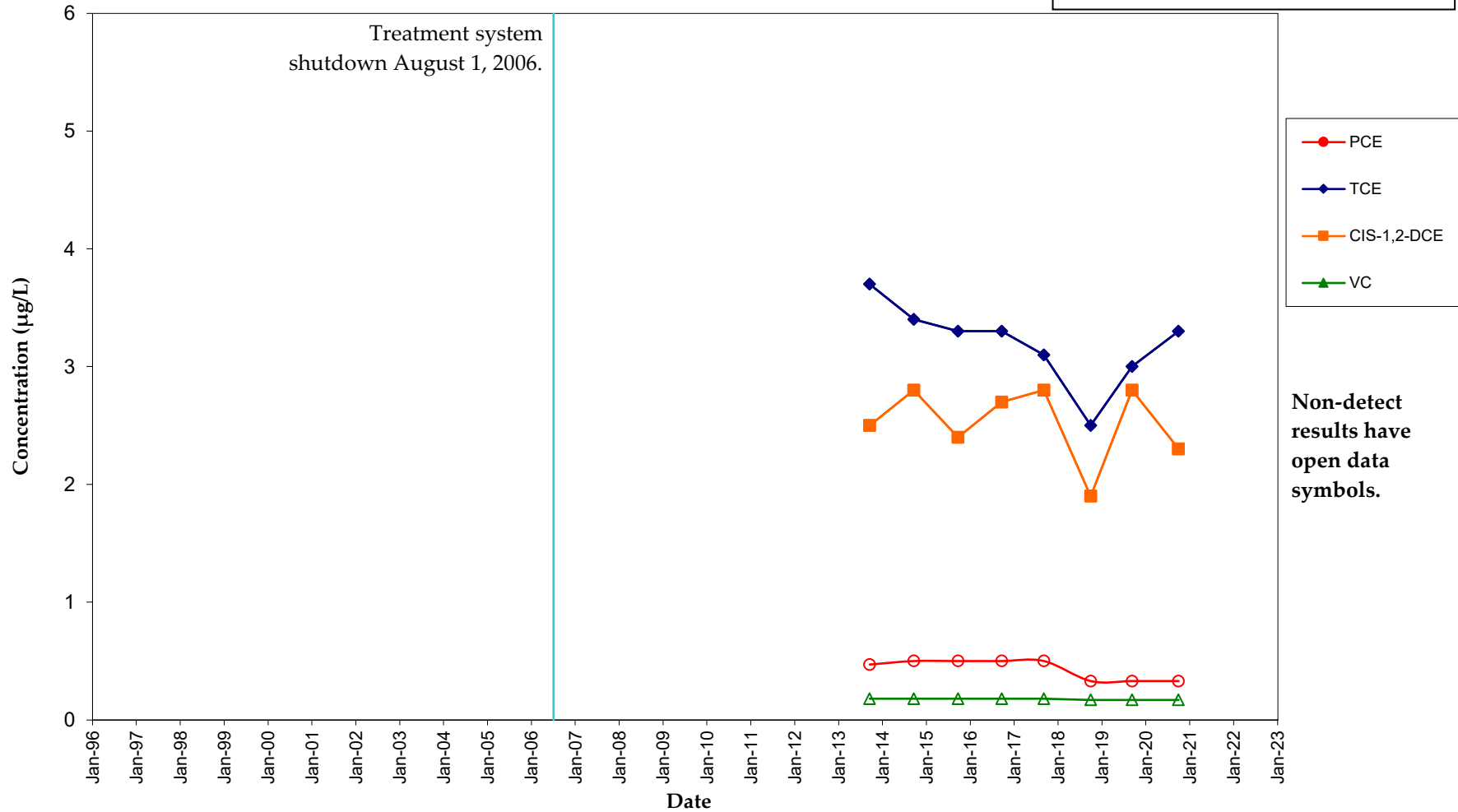
# OW-104F VOC Concentration Trends Lemberger Landfill

LL

LTR

OW-104F

N ←

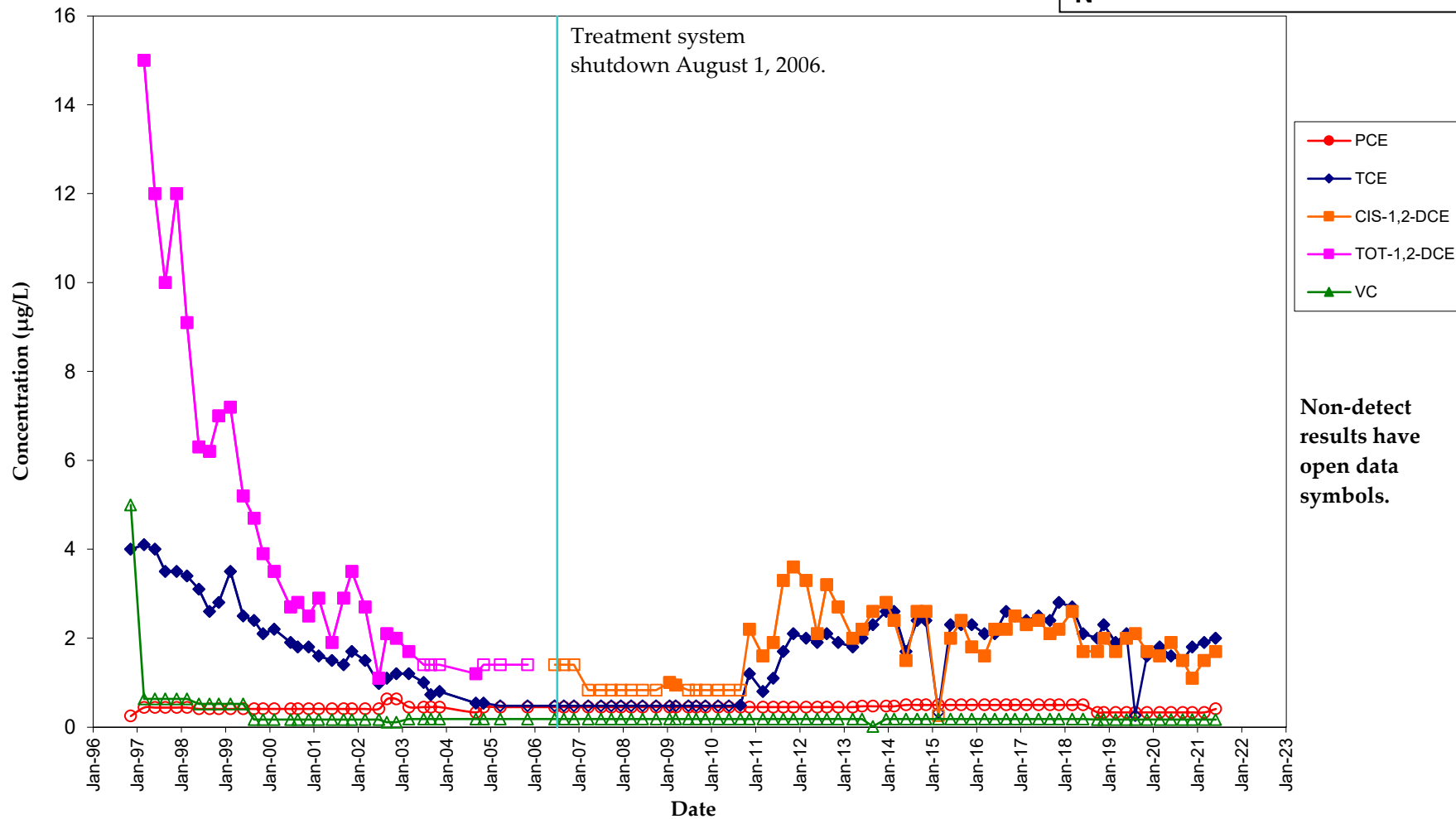


RM-002D  
 VOC Concentration Trends  
 Lemberger Landfill

LL LTR

• RM-2I, 2D

N ←

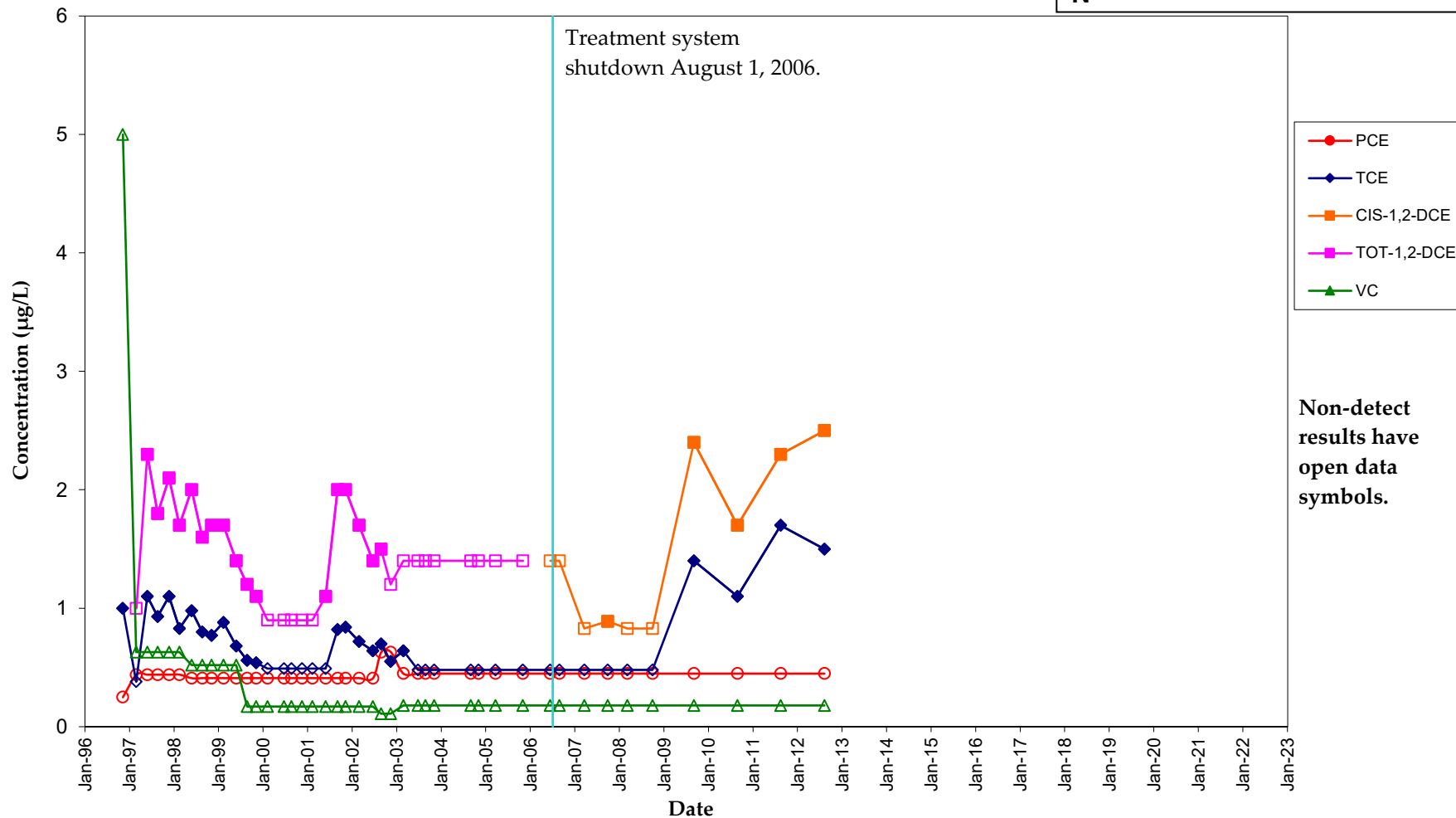


RM-002I  
 VOC Concentration Trends  
 Lemberger Landfill

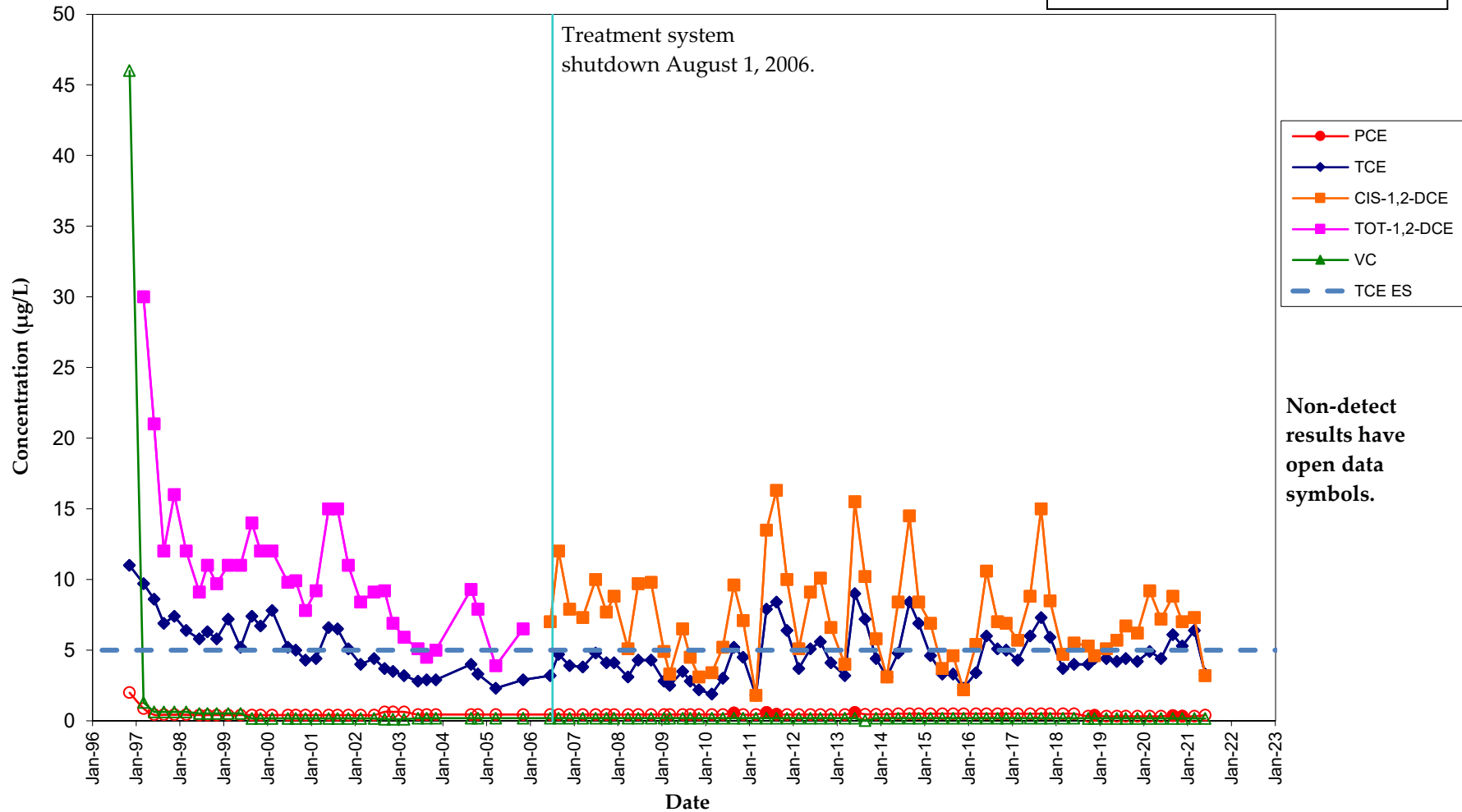
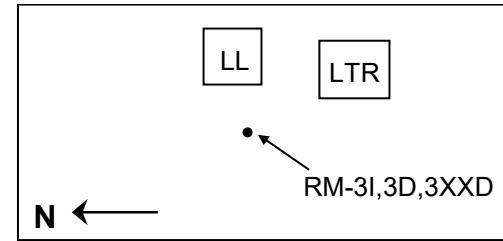
LL LTR

• RM-2I, 2D

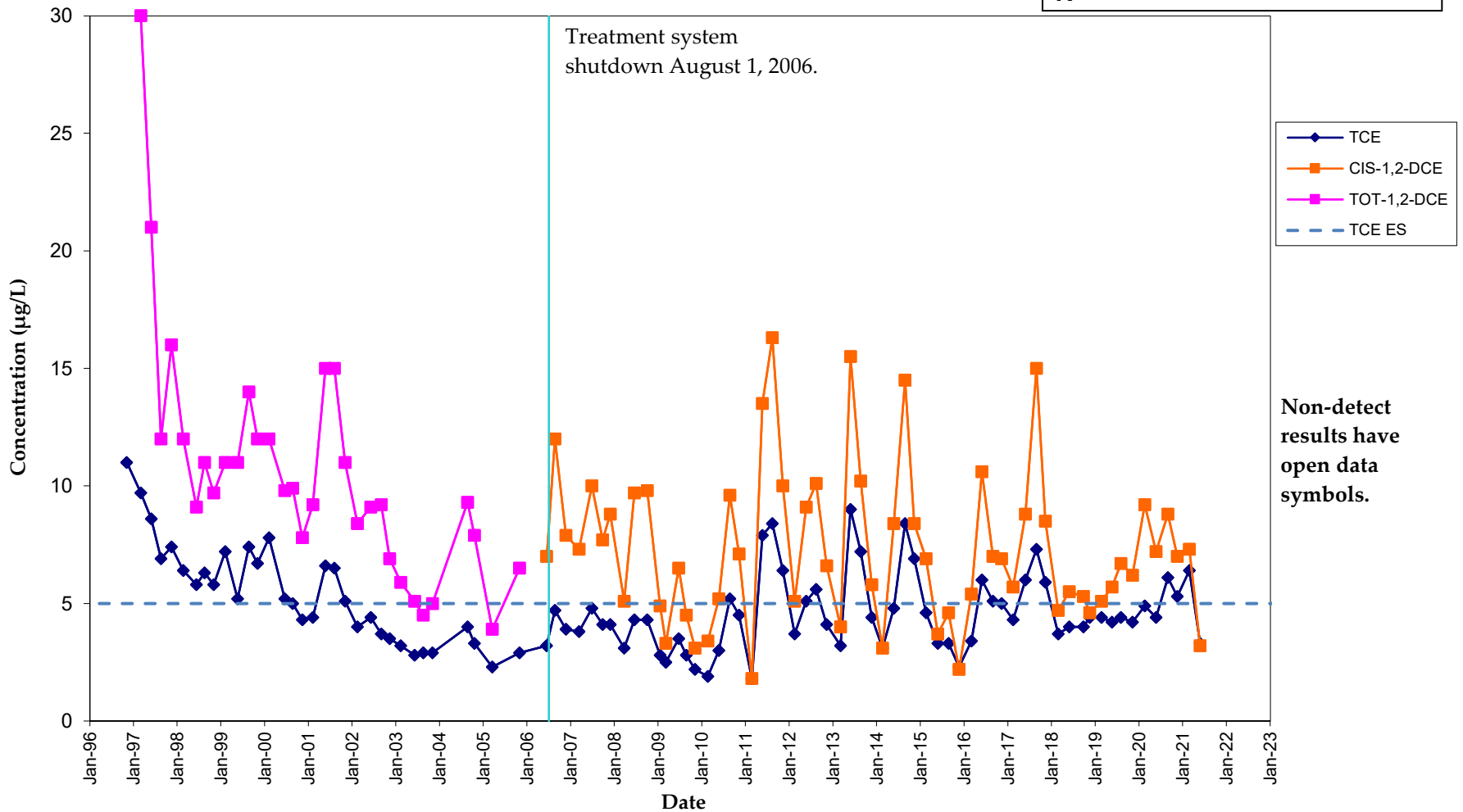
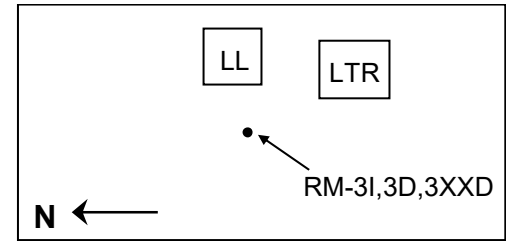
N ←



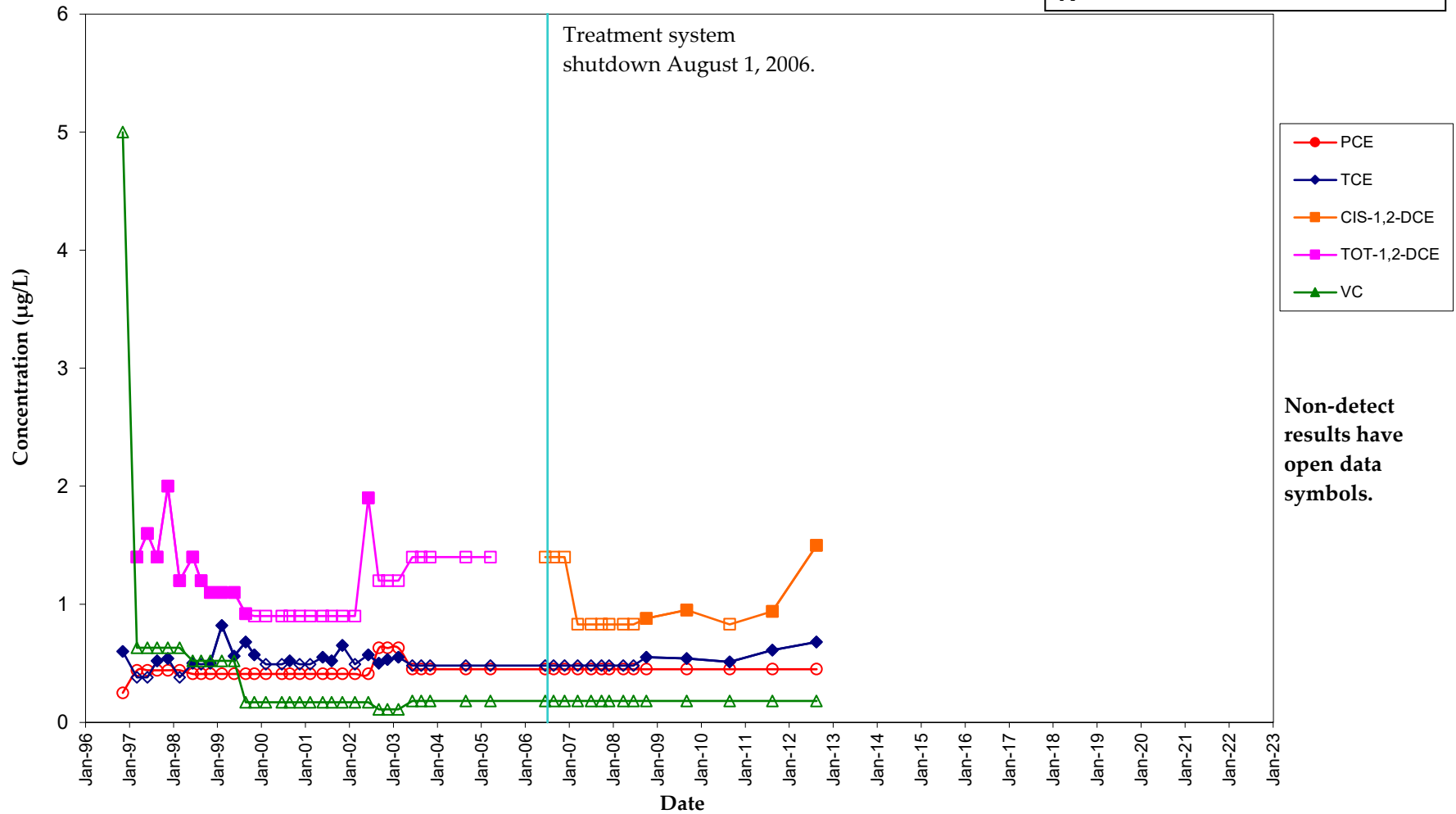
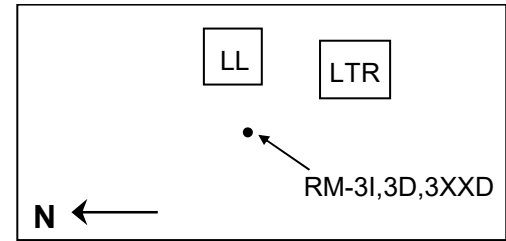
# RM-003D VOC Concentration Trends Lemberger Landfill



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

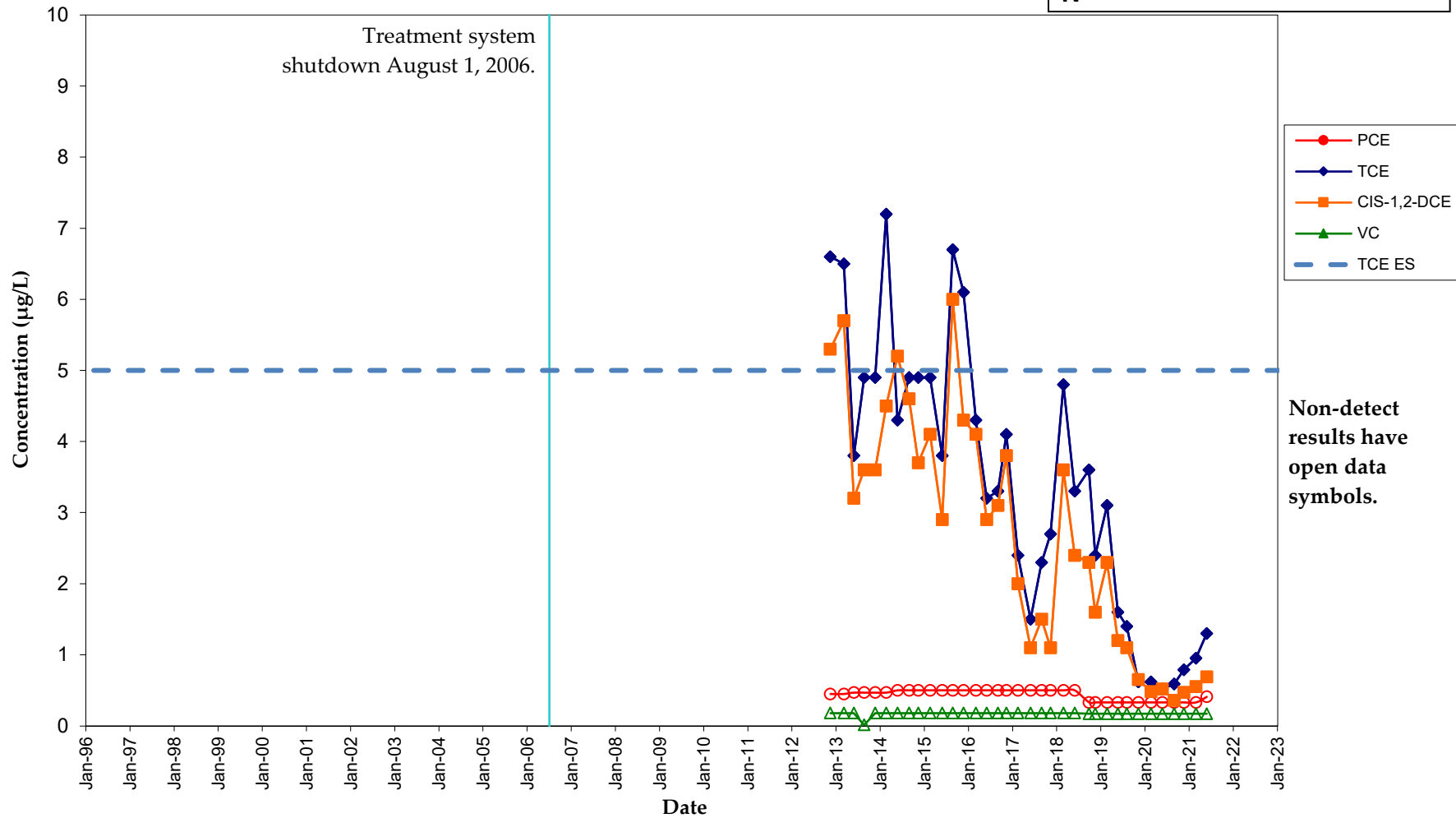
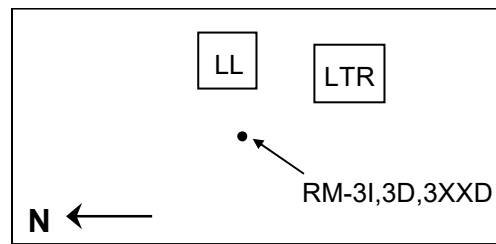


**RM-003I  
VOC Concentration Trends  
Lemberger Landfill**





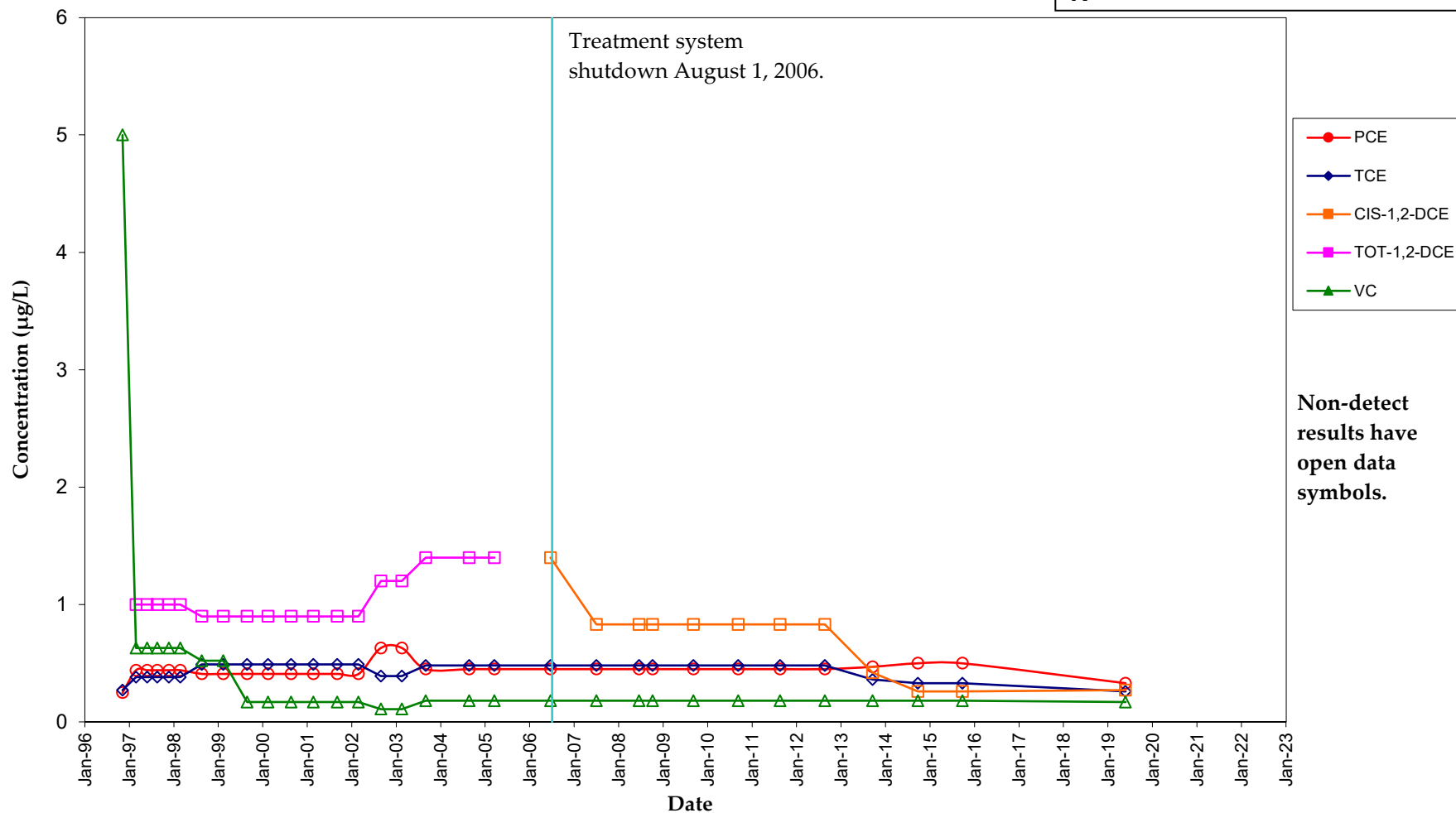
# RM-003XXD VOC Concentration Trends Lemberger Landfill



RM-004D  
 VOC Concentration Trends  
 Lemberger Landfill

RM-4S, 4D<sup>•</sup>    LL    LTR

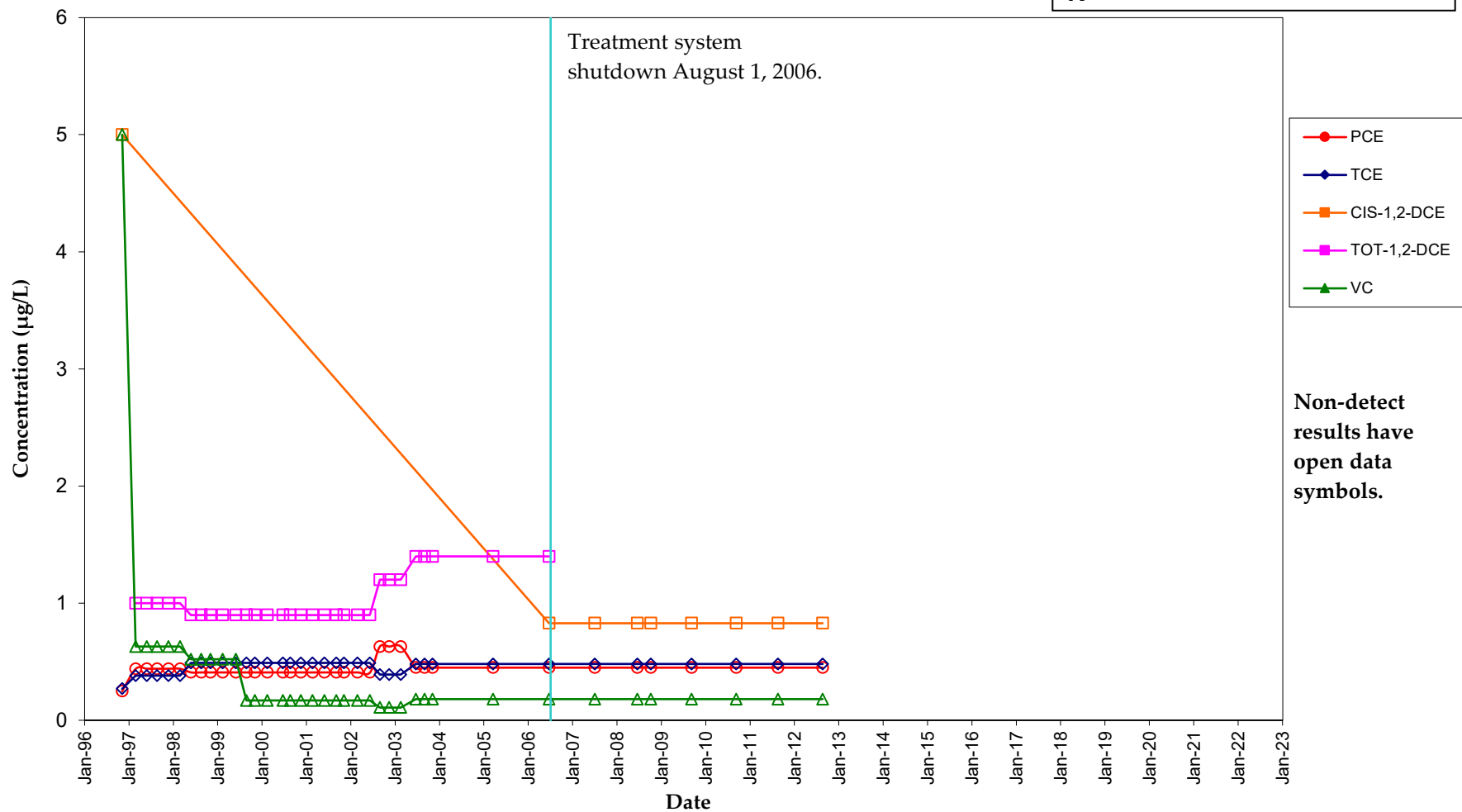
N ←



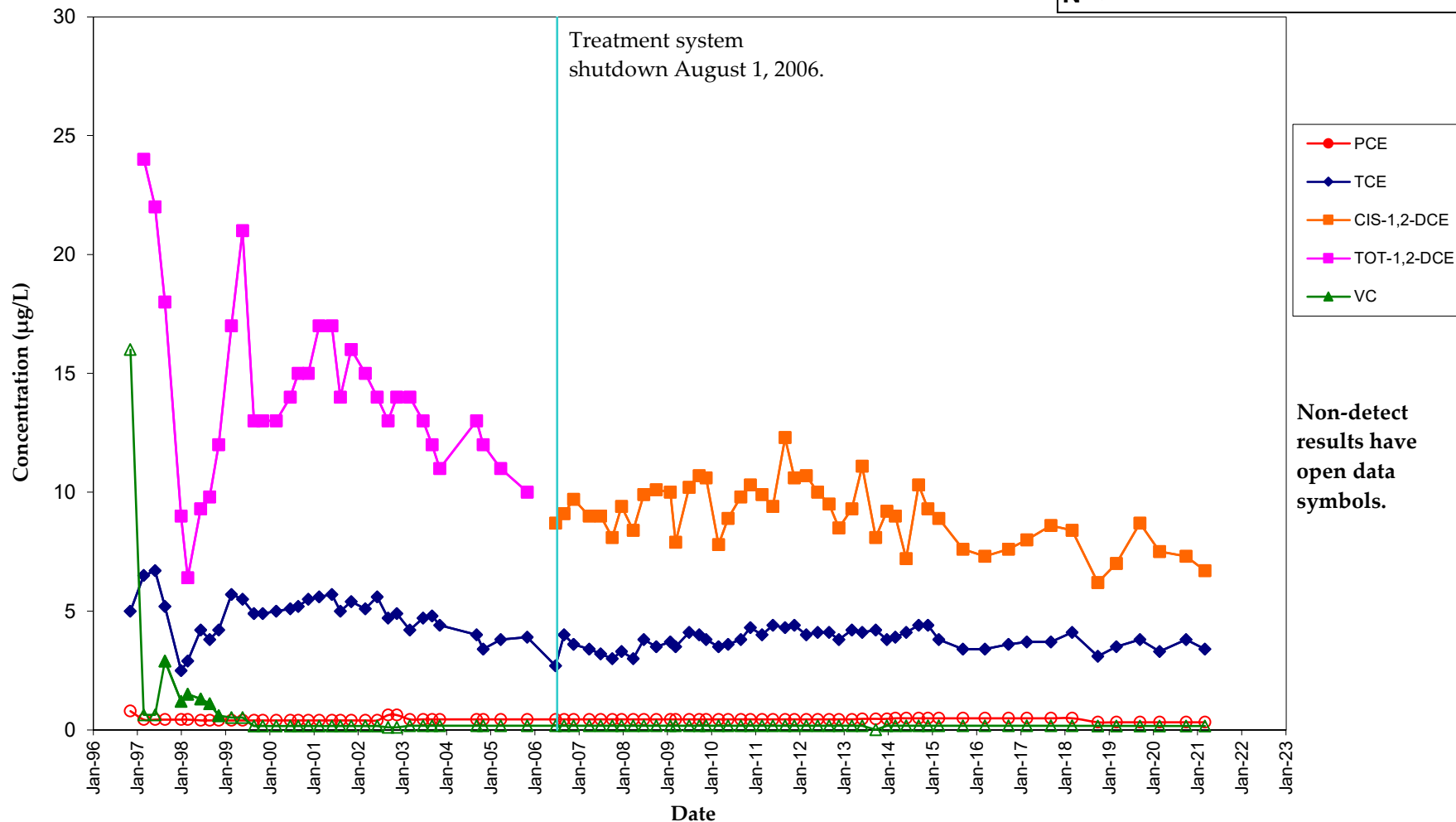
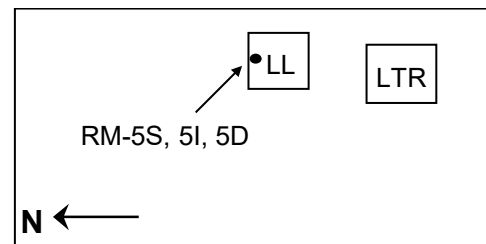
RM-004S  
 VOC Concentration Trends  
 Lemberger Landfill

RM-4S, 4D<sup>•</sup>    LL    LTR

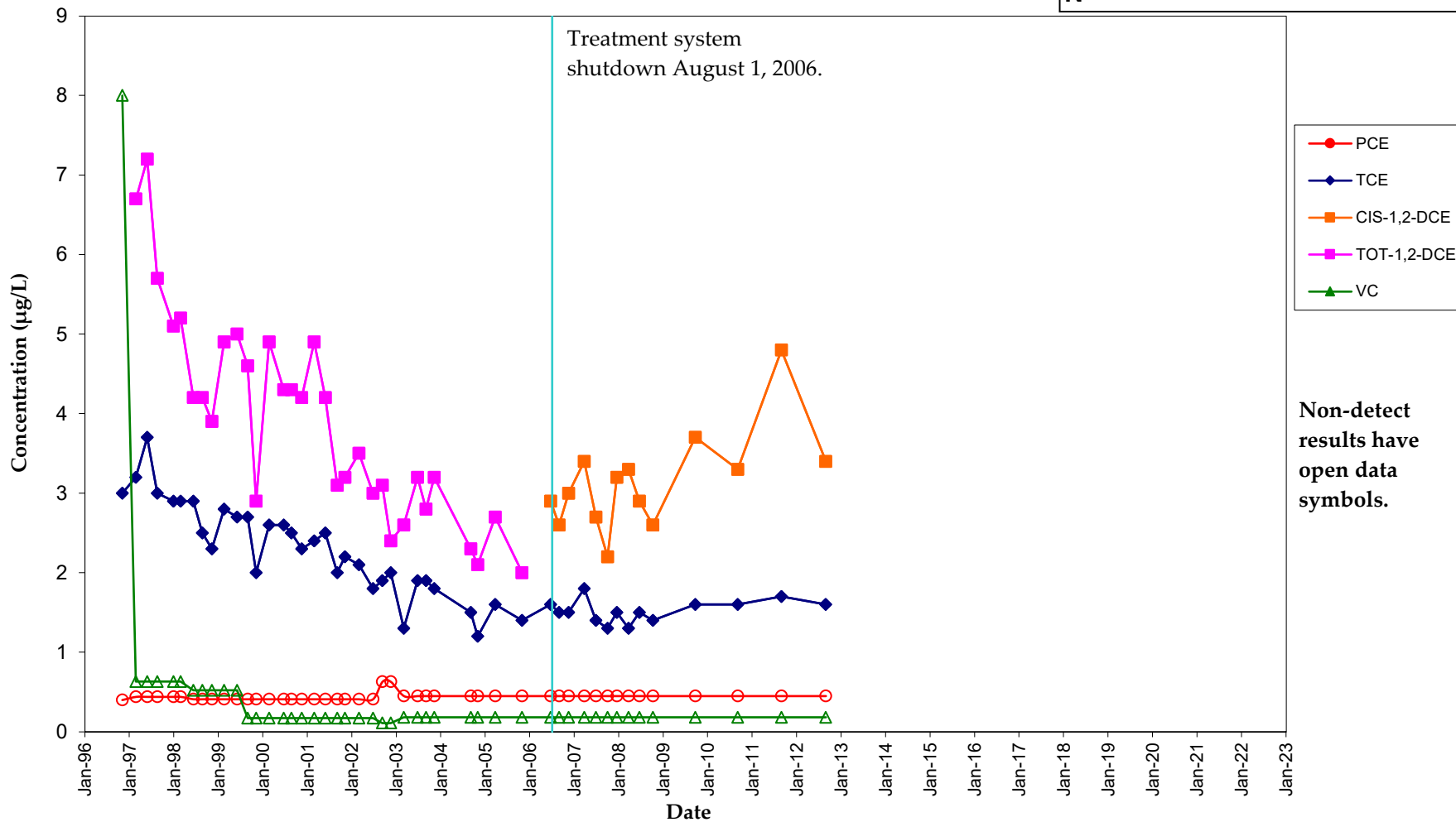
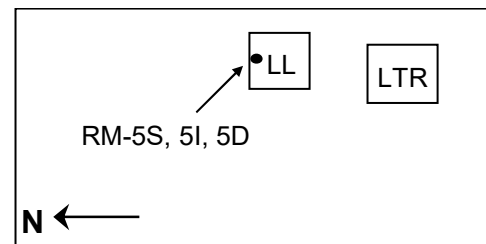
N ←



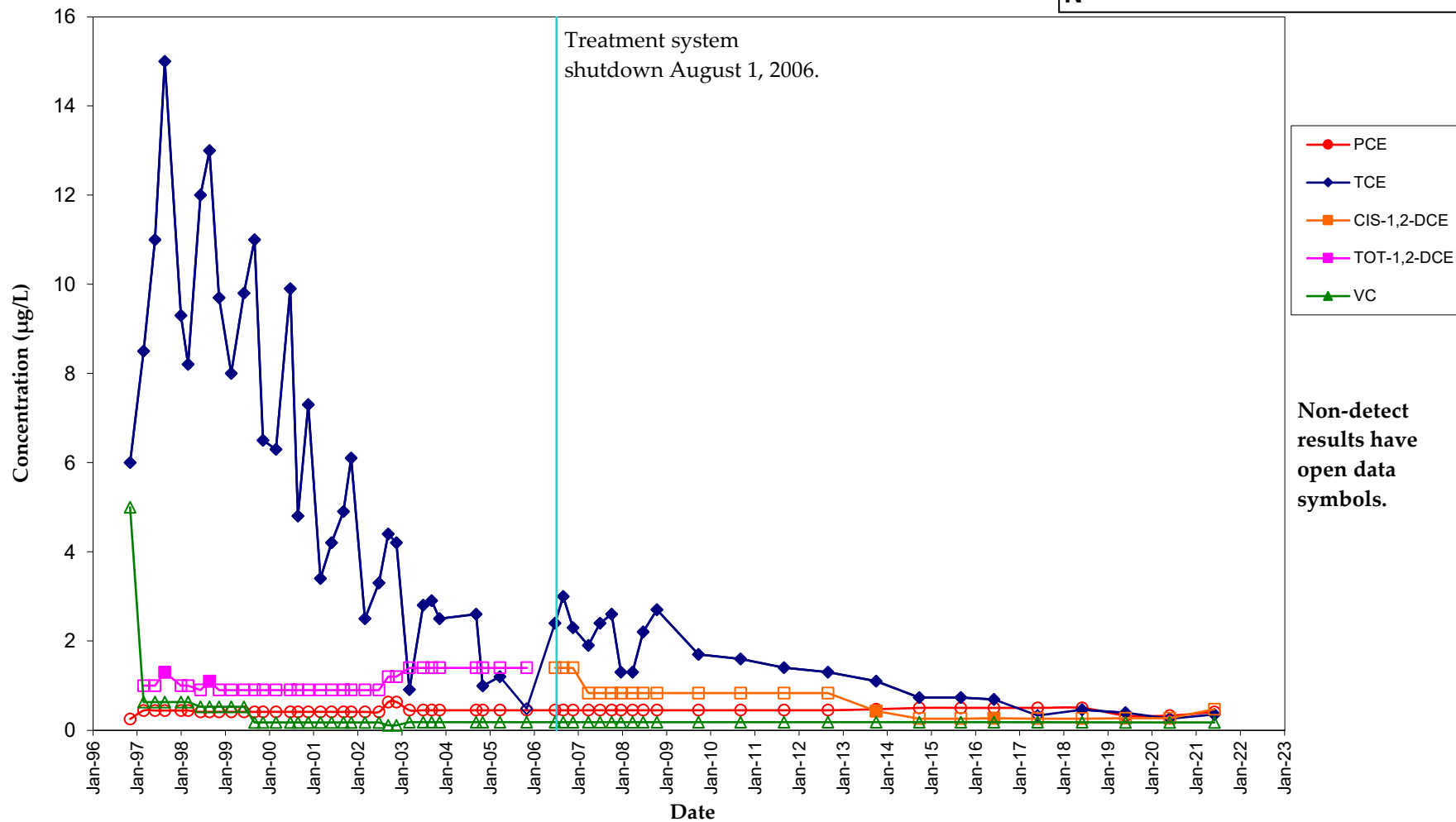
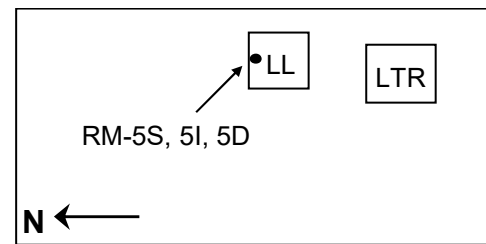
# RM-005D VOC Concentration Trends Lemberger Landfill



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

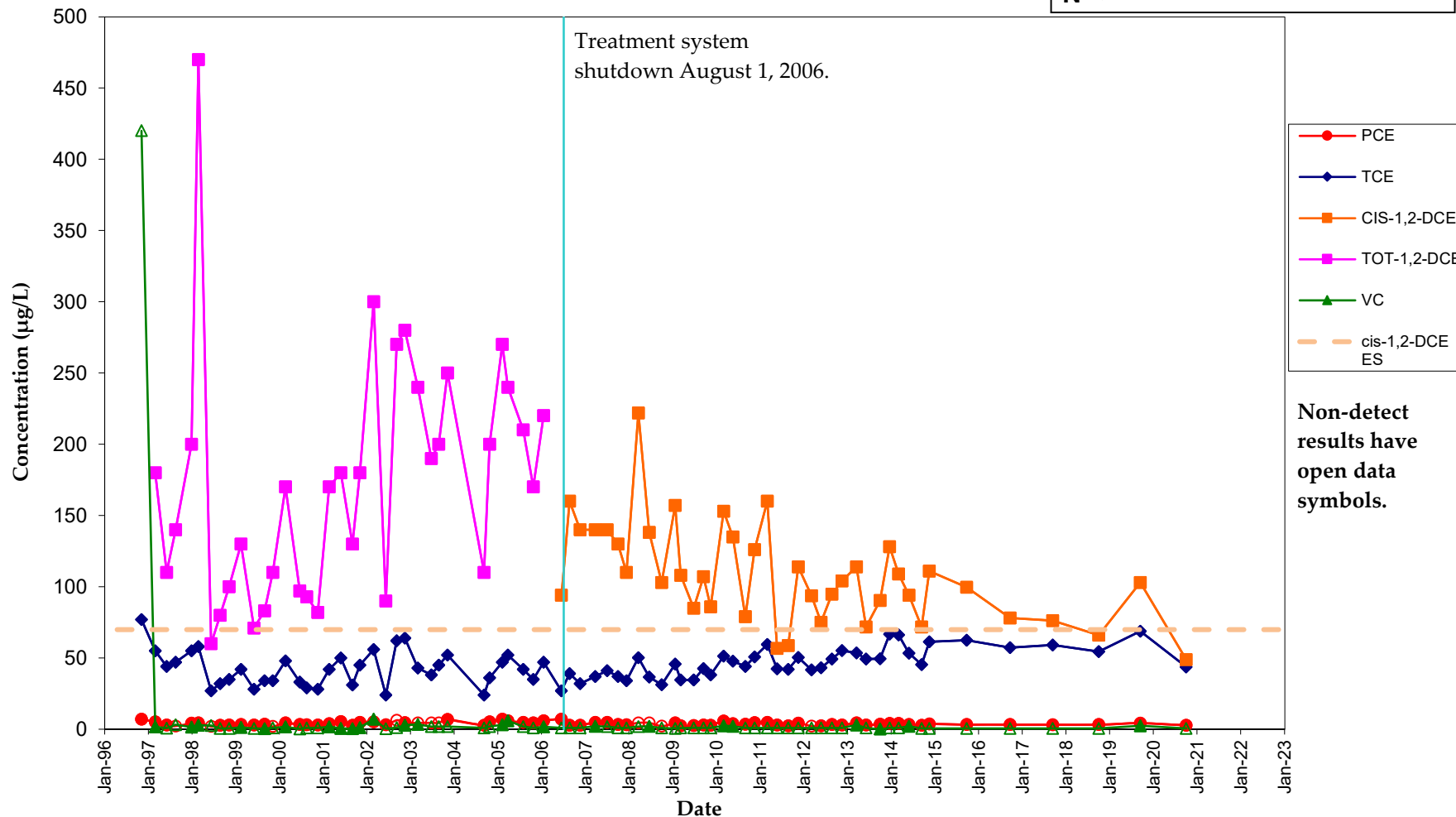
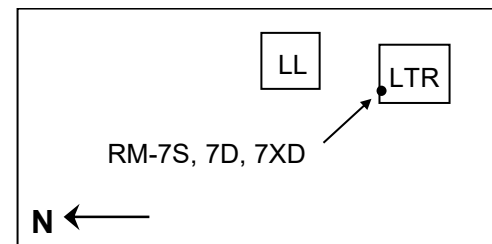


# RM-005S VOC Concentration Trends Lemberger Landfill

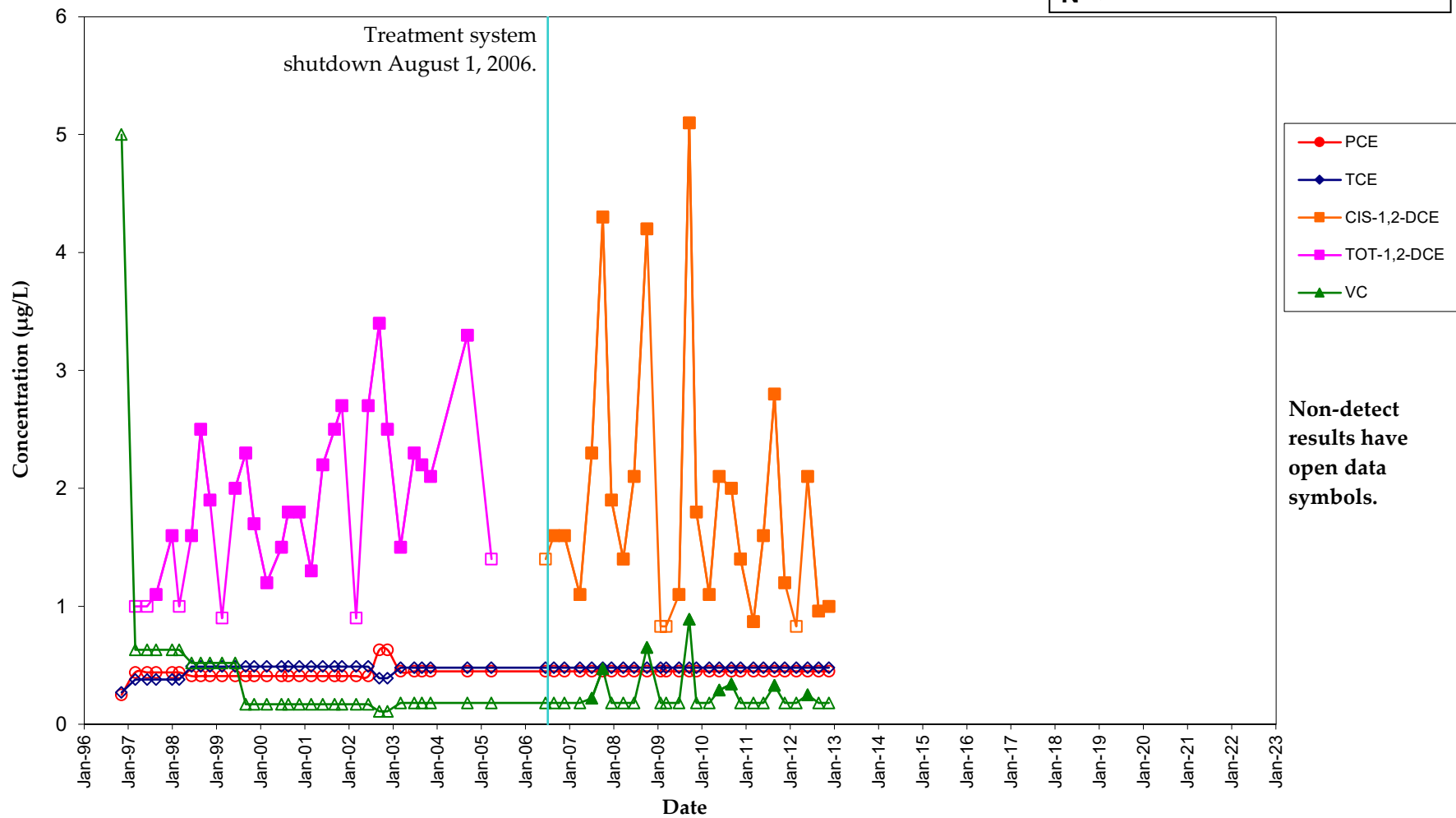
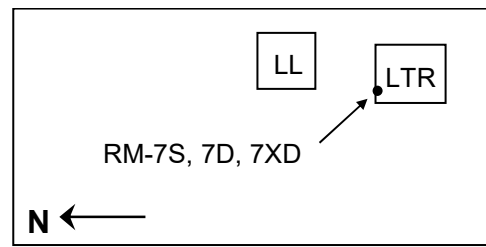


**Non-detect  
results have  
open data  
symbols.**

RM-007D  
 VOC Concentration Trends  
 Lemberger Landfill



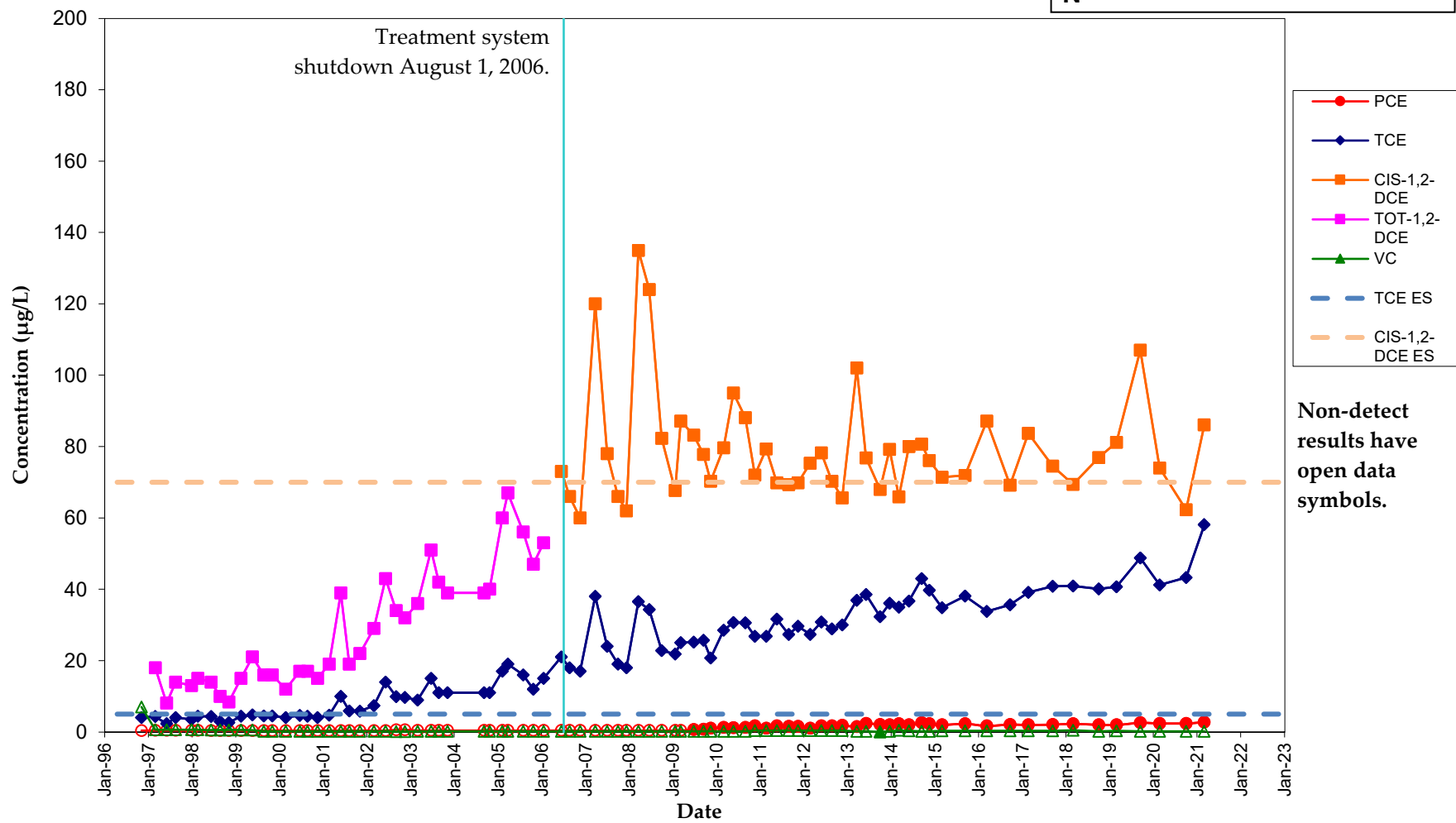
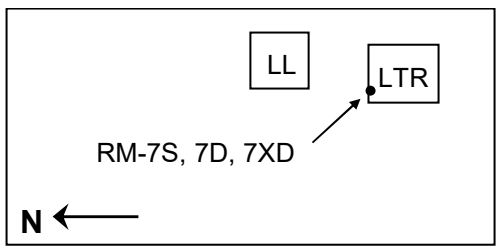
# RM-007S VOC Concentration Trends Lemberger Landfill



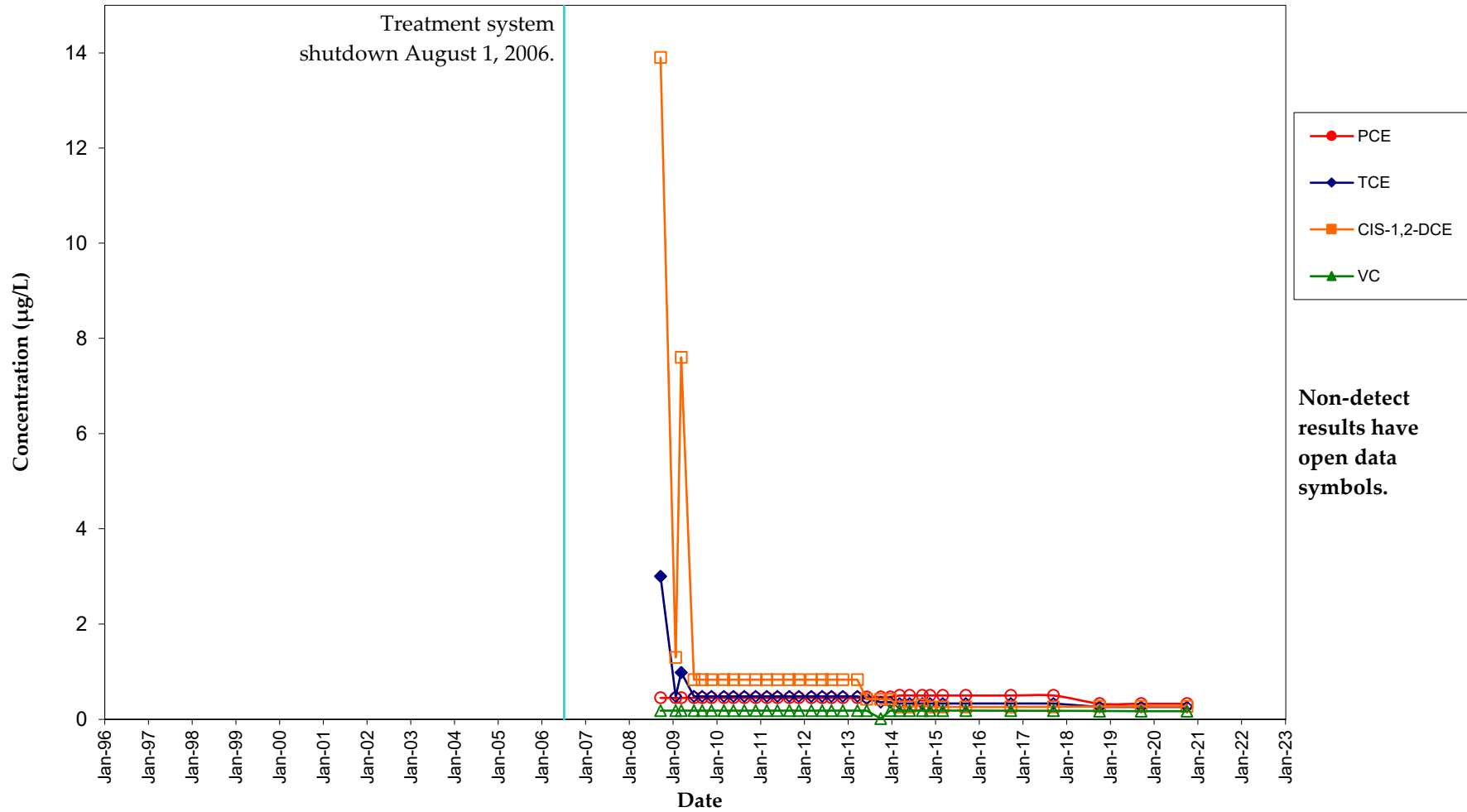
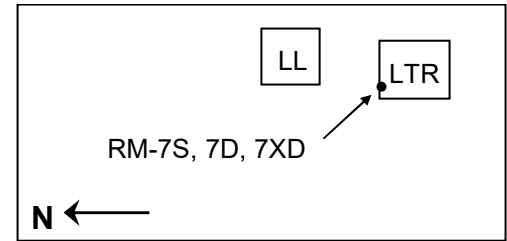
**Non-detect results have open data symbols.**



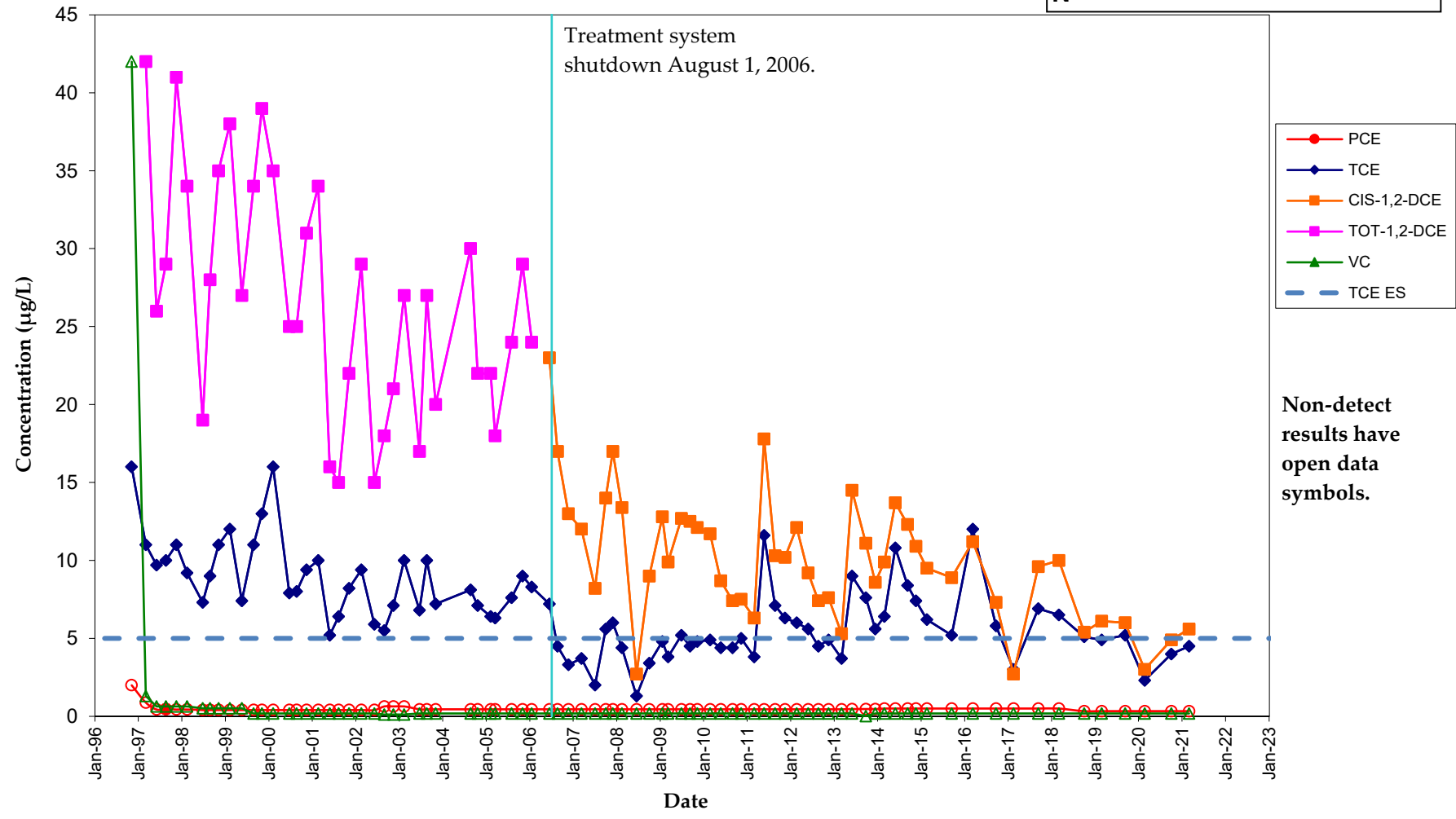
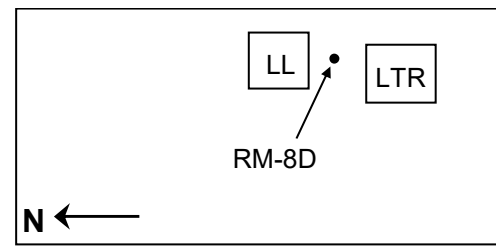
### RM-007XD VOC Concentration Trends Lemberger Landfill



RM-007XXD  
 VOC Concentration Trends  
 Lemberger Landfill



# RM-008D VOC Concentration Trends Lemberger Landfill



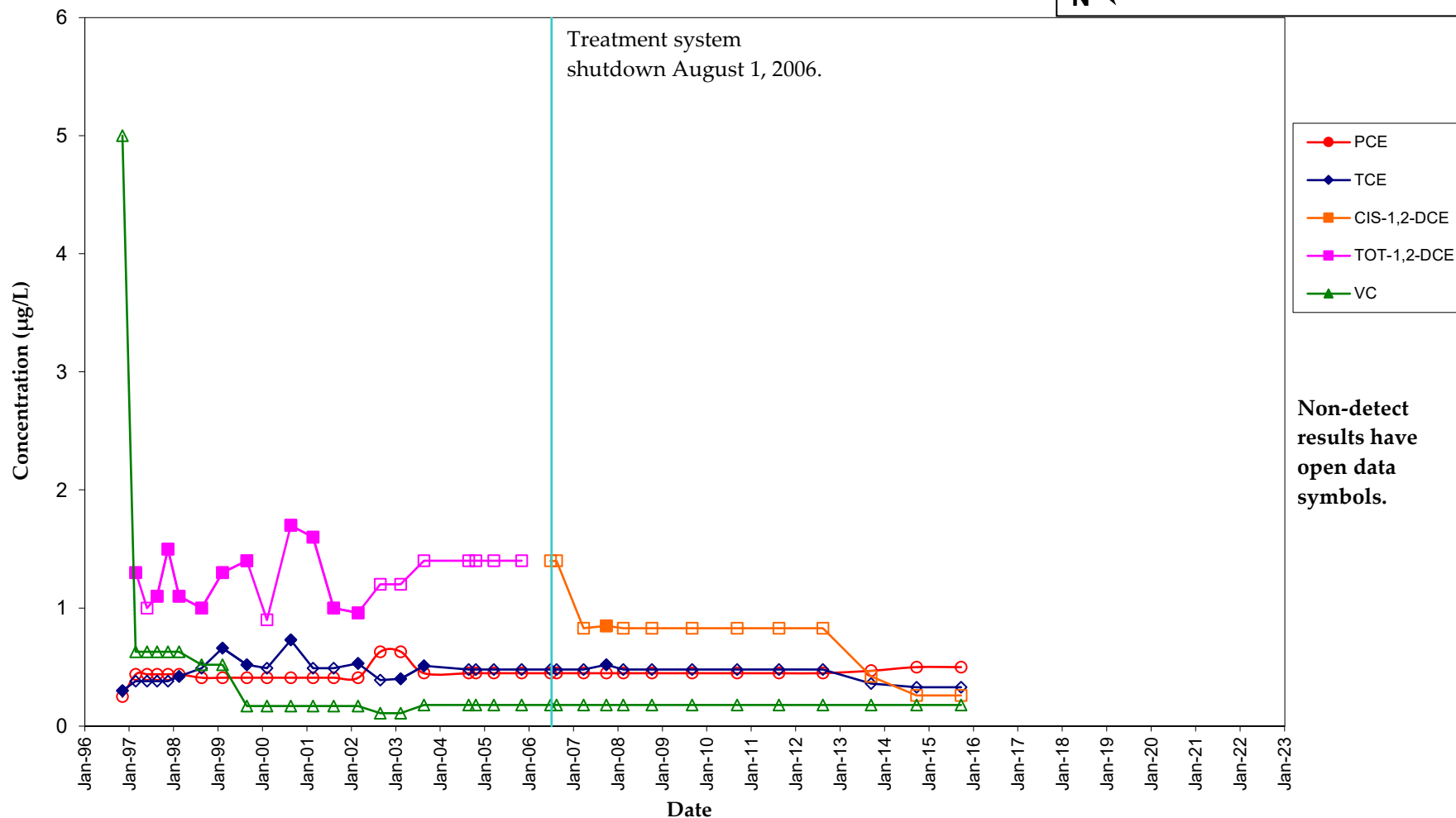
# RM-010D VOC Concentration Trends Lemberger Landfill

• RM-10D

LL

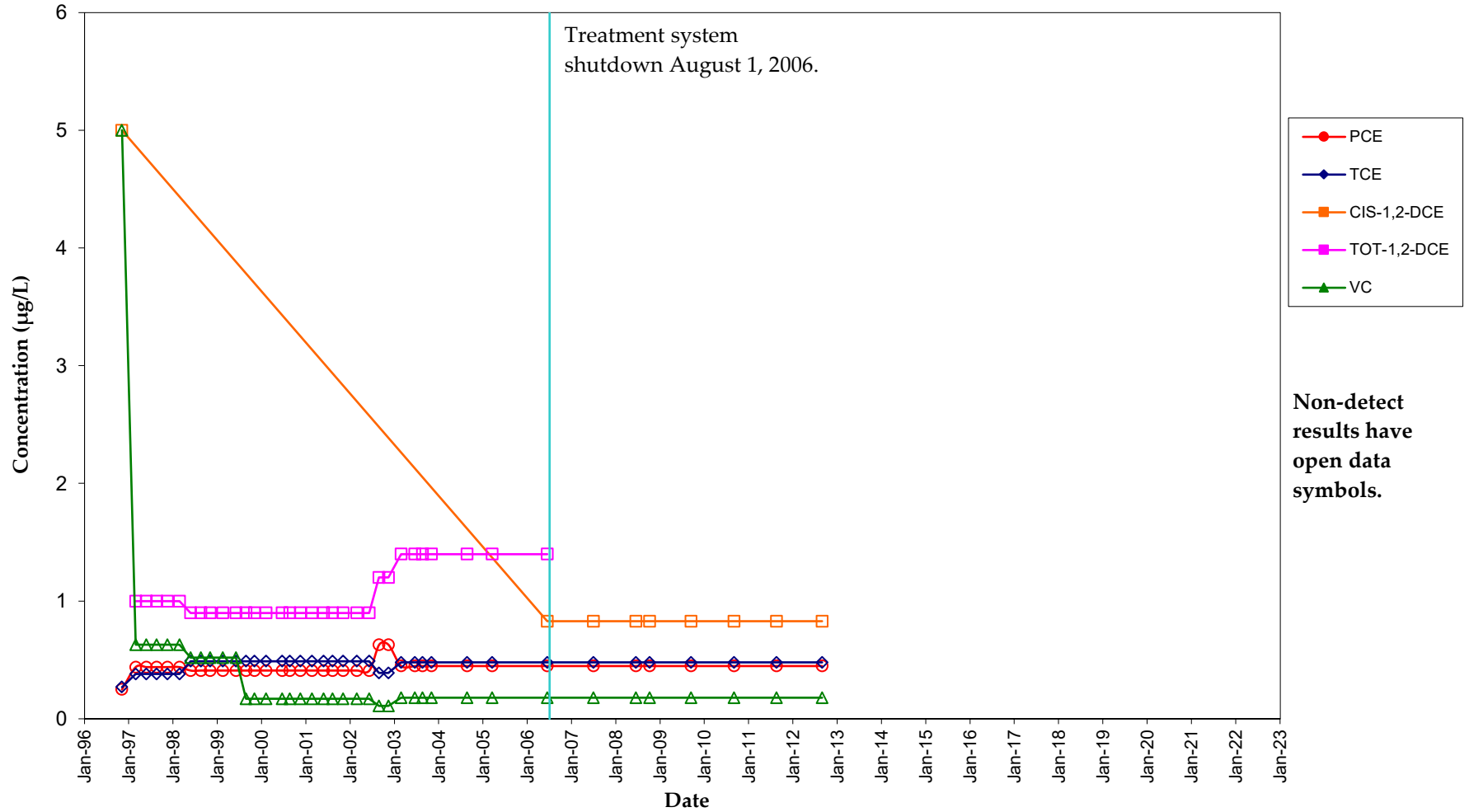
LTR

**N** ←

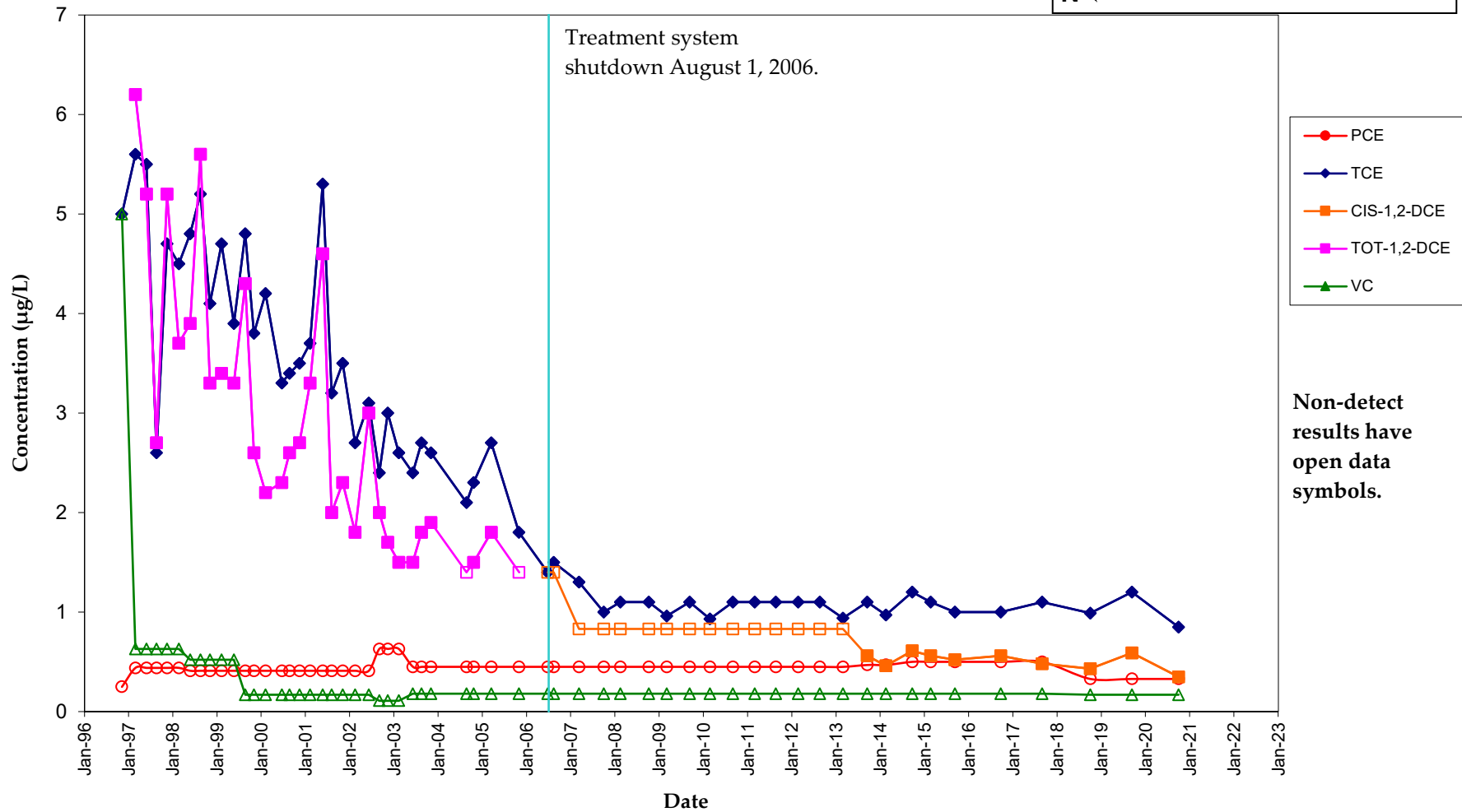
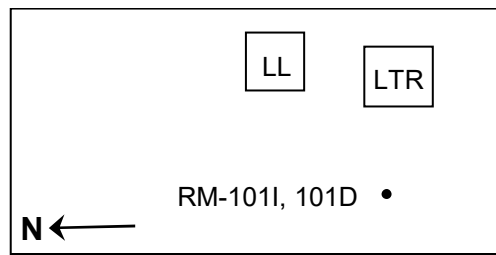


**Non-detect results have open data symbols.**

# RM-011D VOC Concentration Trends Lemberger Landfill



# RM-101D VOC Concentration Trends Lemberger Landfill



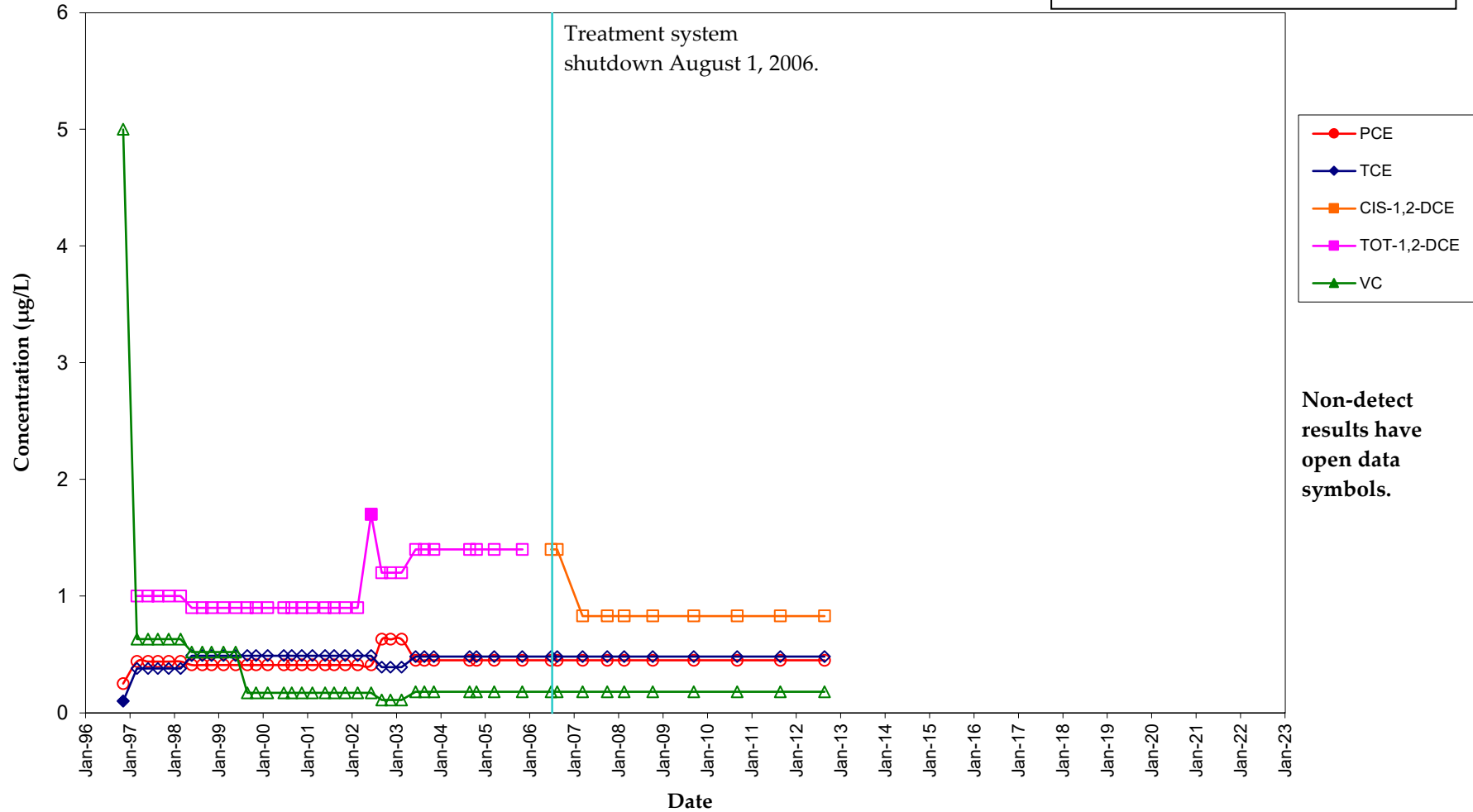
# RM-101I VOC Concentration Trends Lemberger Landfill

LL

LTR

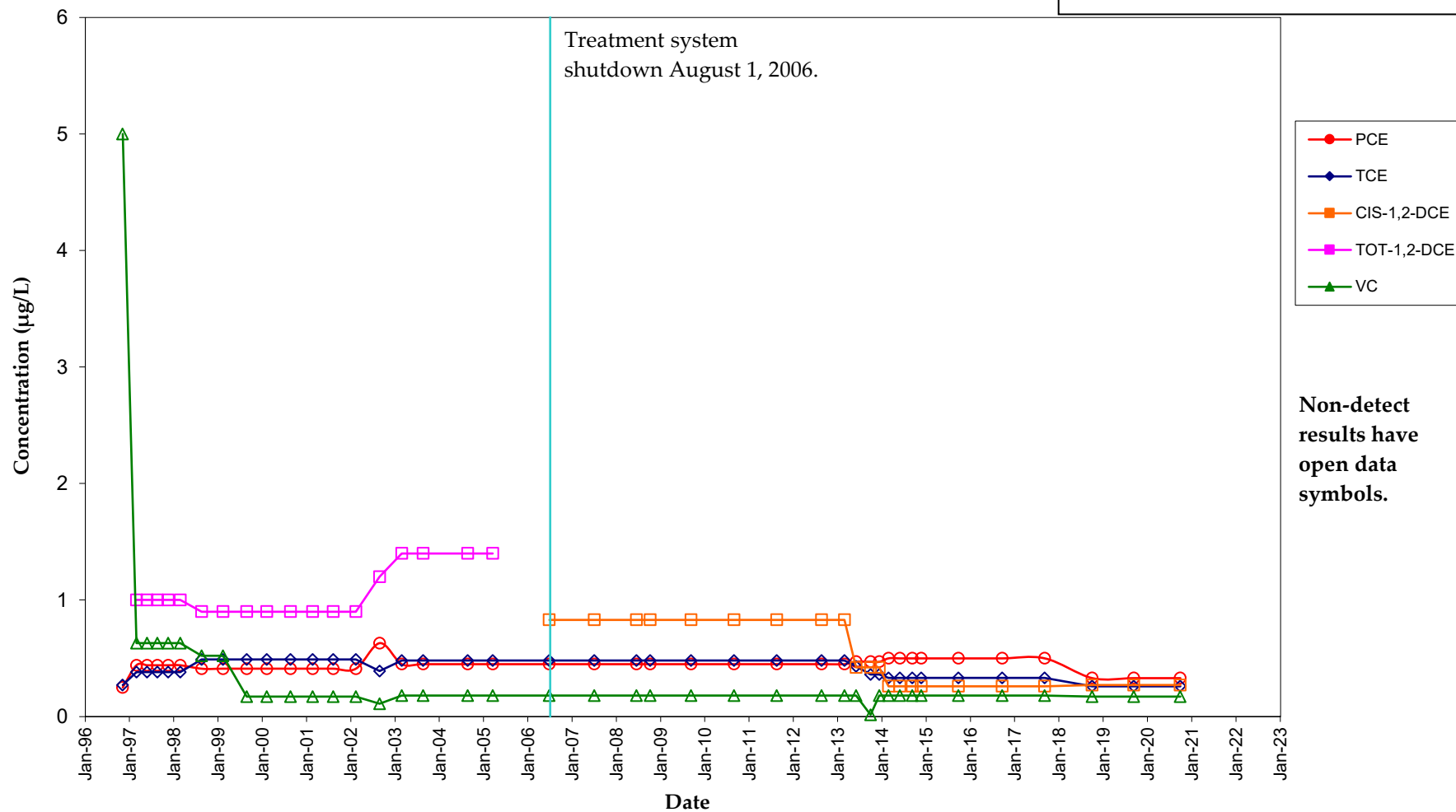
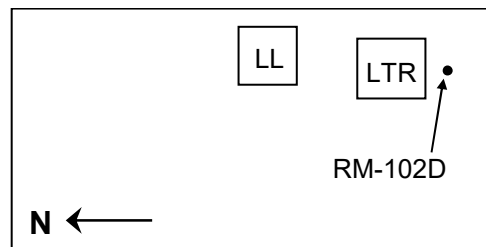
RM-101I, 101D •

N ←



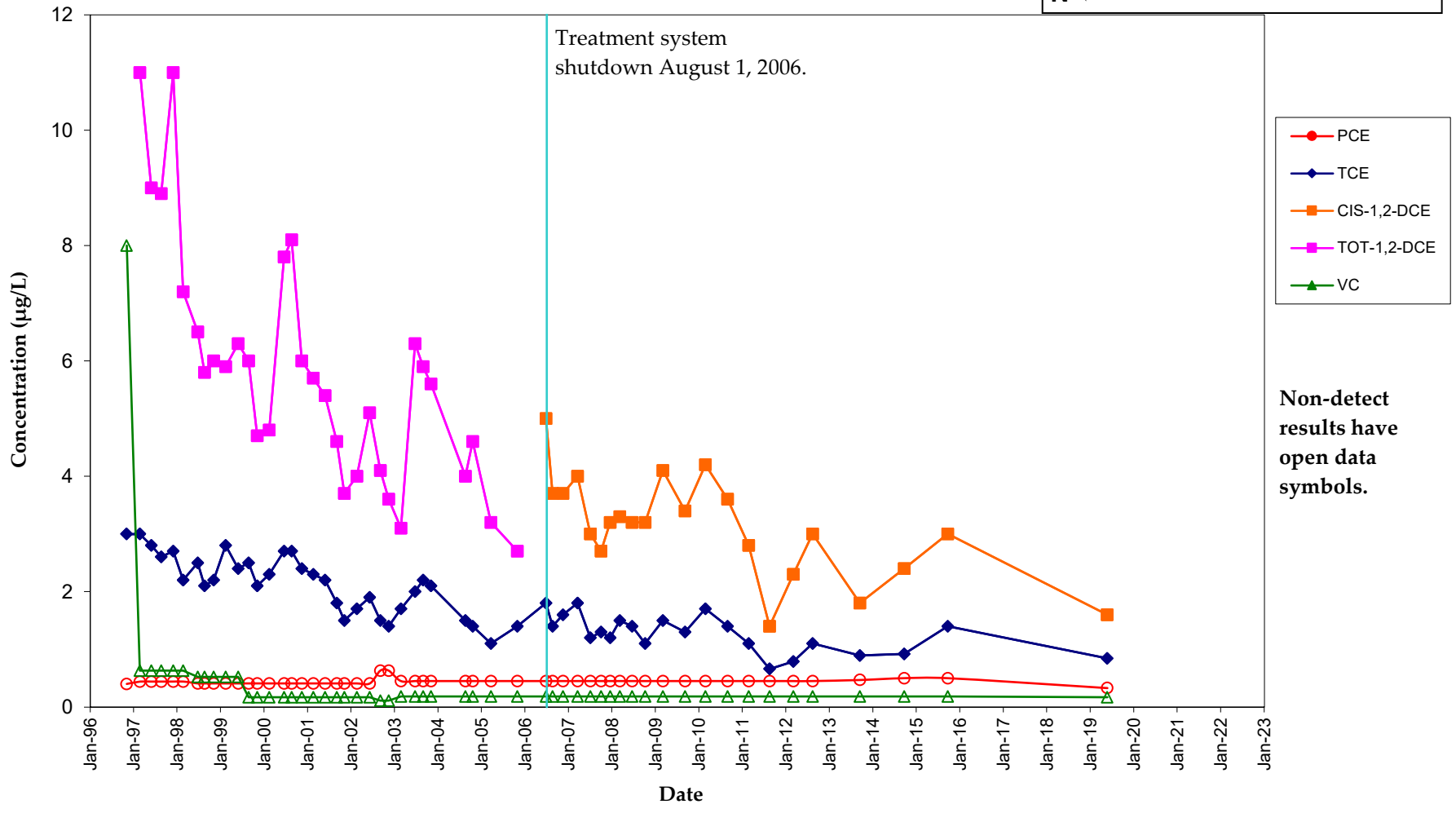
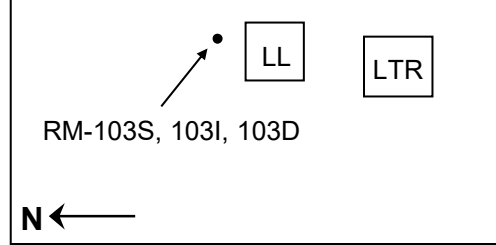
**Non-detect results have open data symbols.**

# RM-102D VOC Concentration Trends Lemberger Landfill



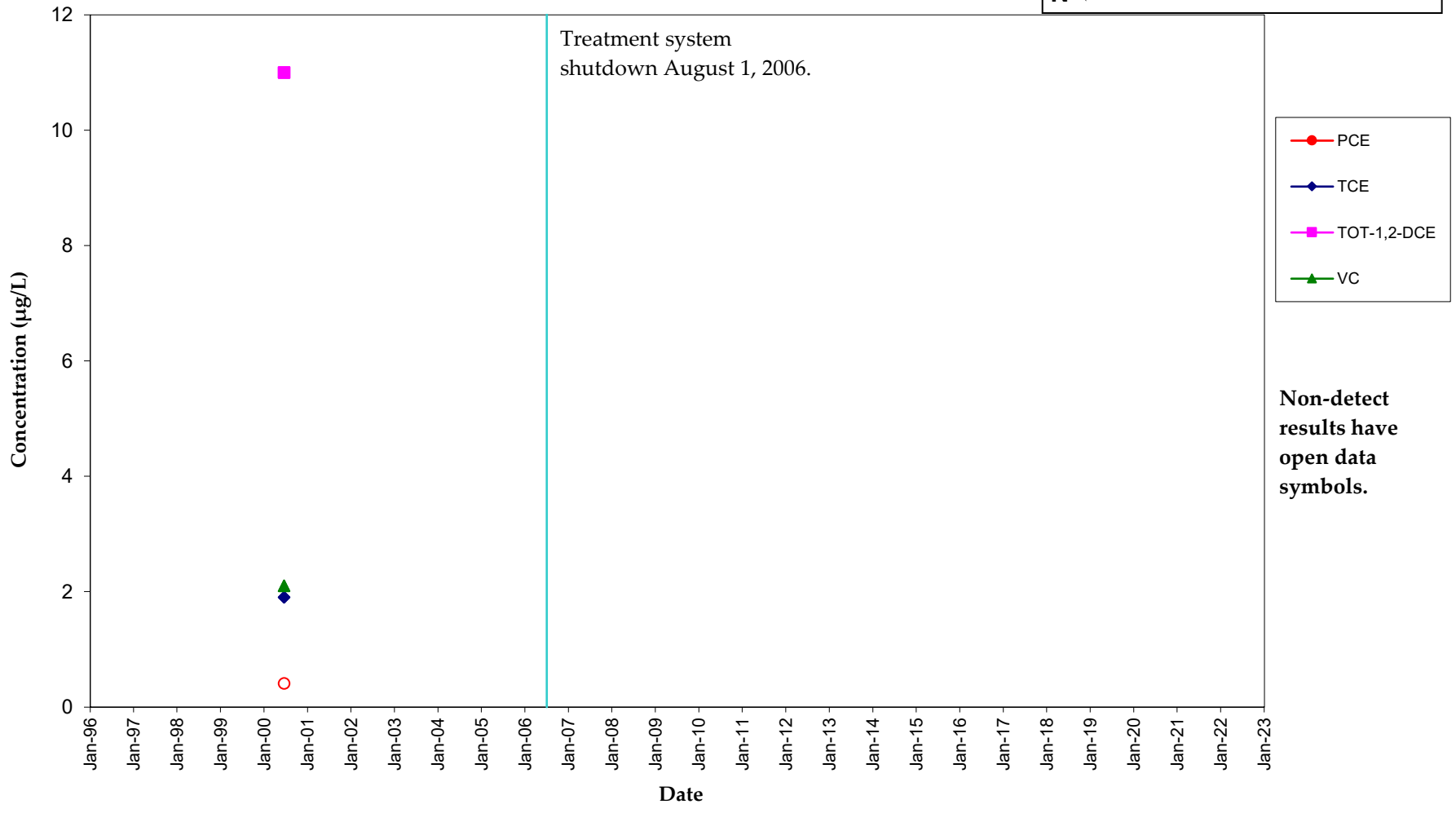
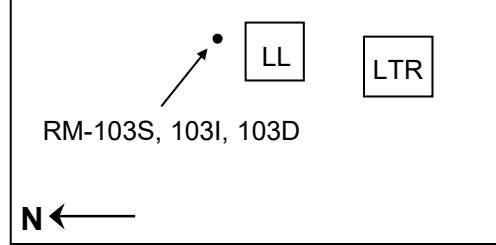


## RM-103D VOC Concentration Trends Lemberger Landfill

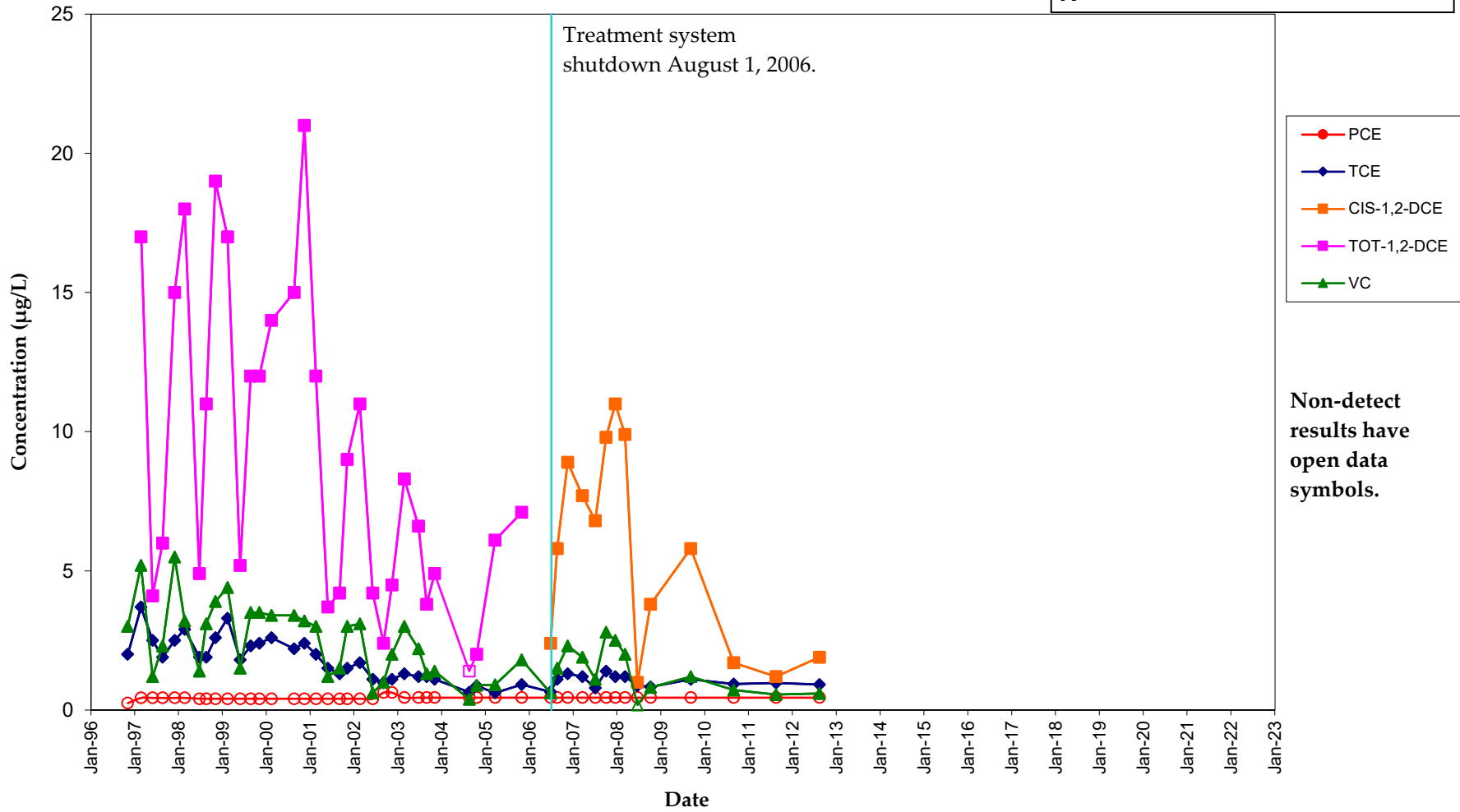
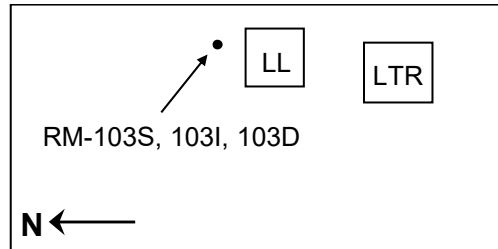


**Non-detect results have open data symbols.**

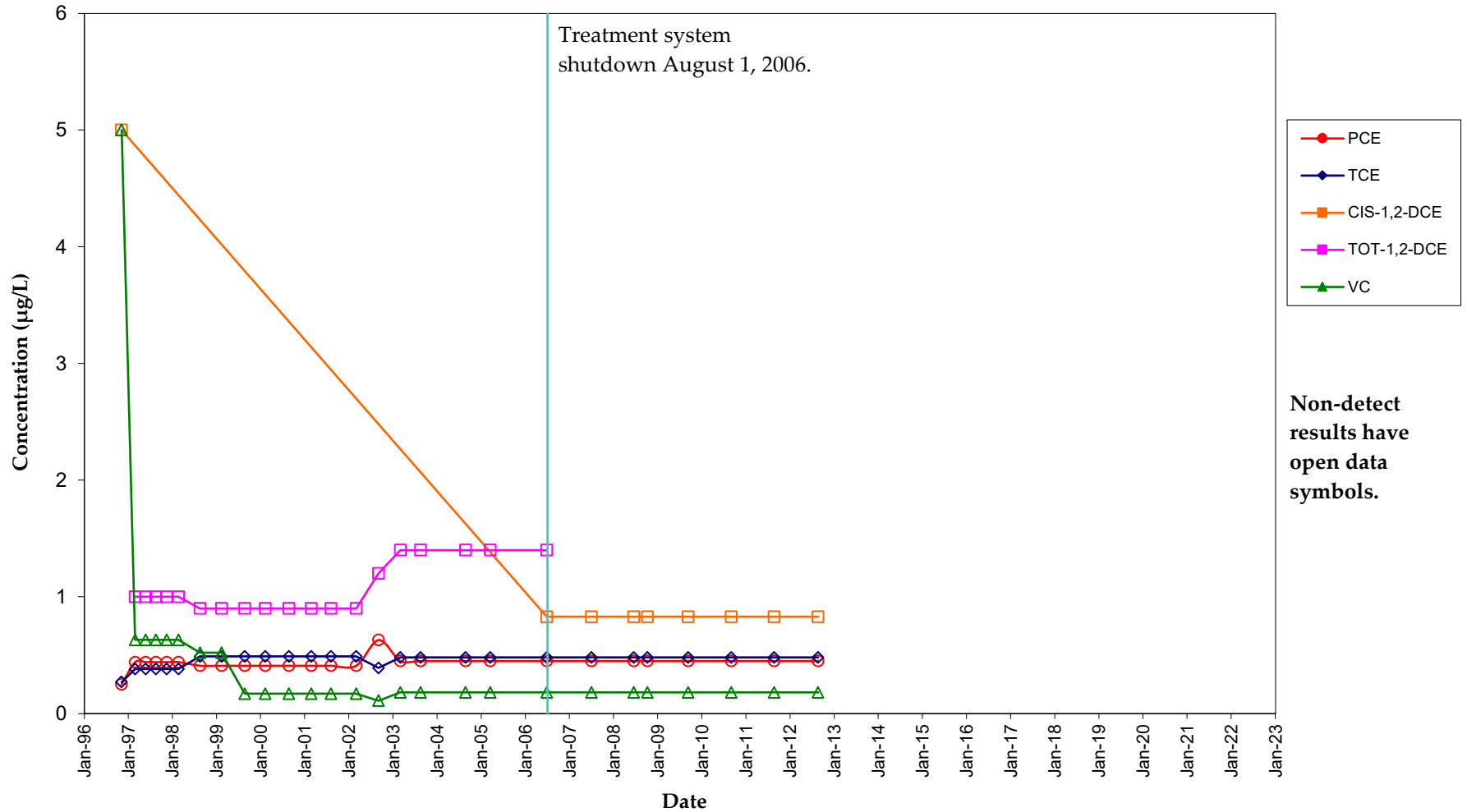
## RM-103I VOC Concentration Trends Lemberger Landfill



## RM-103S VOC Concentration Trends Lemberger Landfill

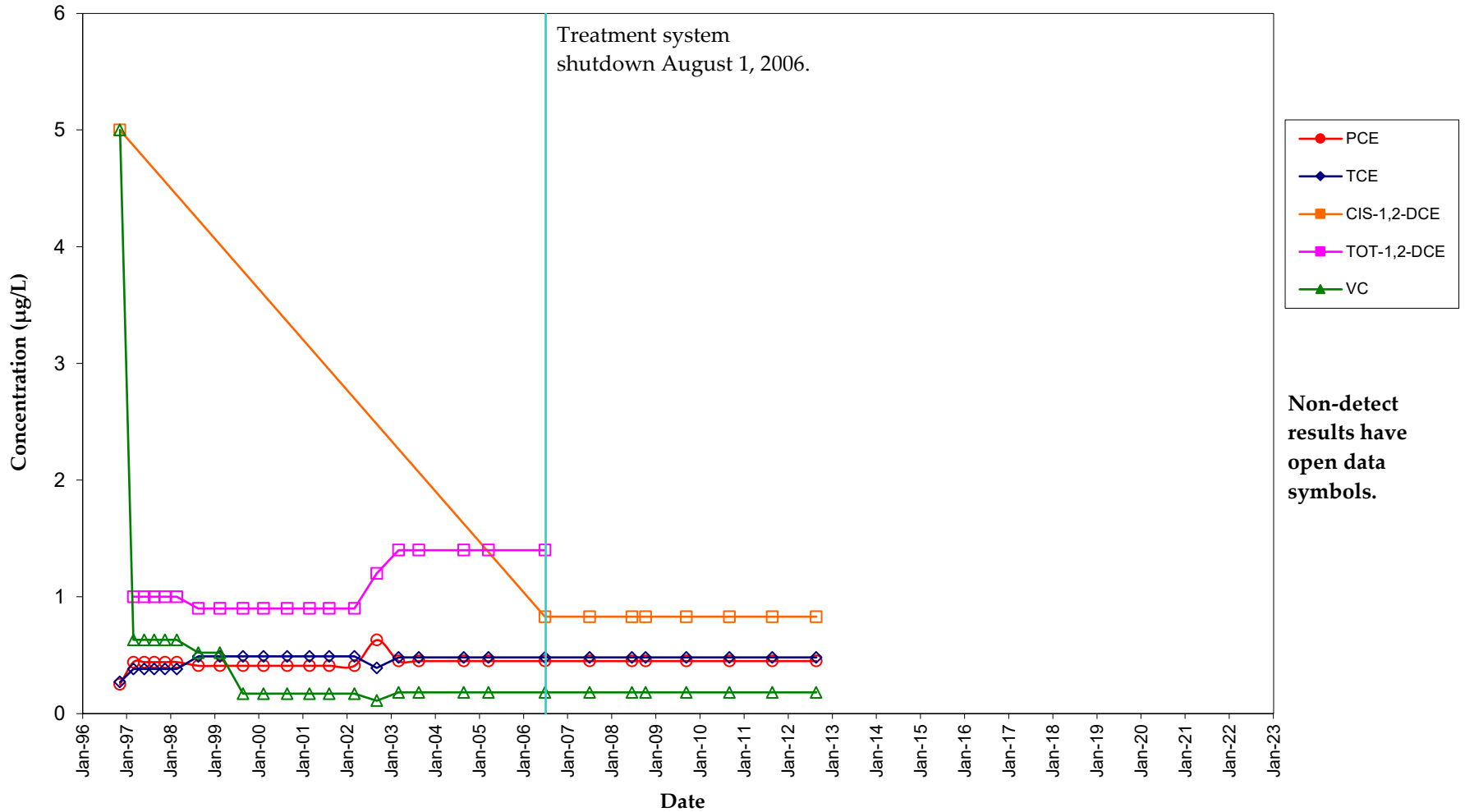


# RM-201D VOC Concentration Trends Lemberger Landfill



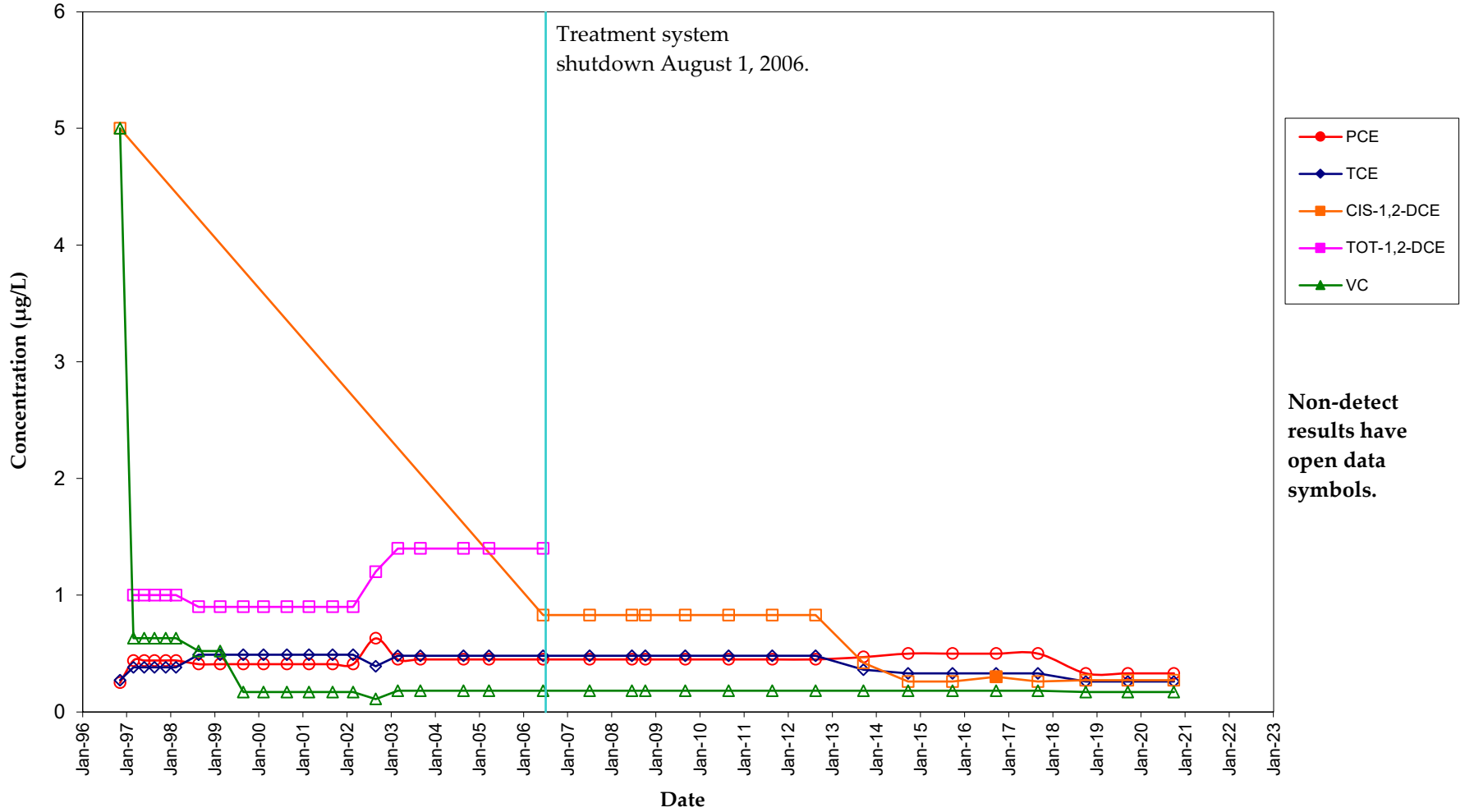
**Non-detect results have open data symbols.**

# RM-201I VOC Concentration Trends Lemberger Landfill



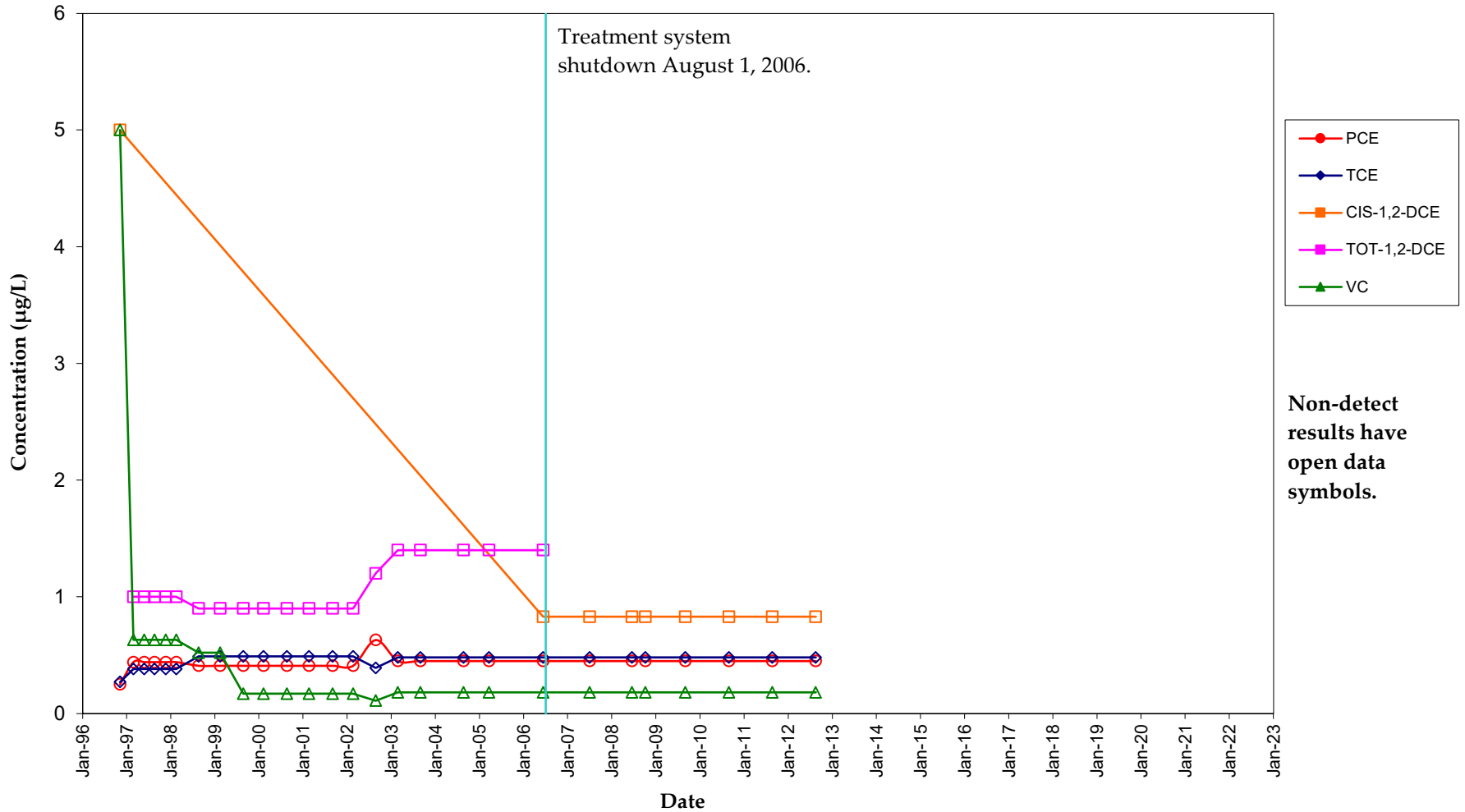
**Non-detect results have open data symbols.**

# RM-202D VOC Concentration Trends Lemberger Landfill



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

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



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

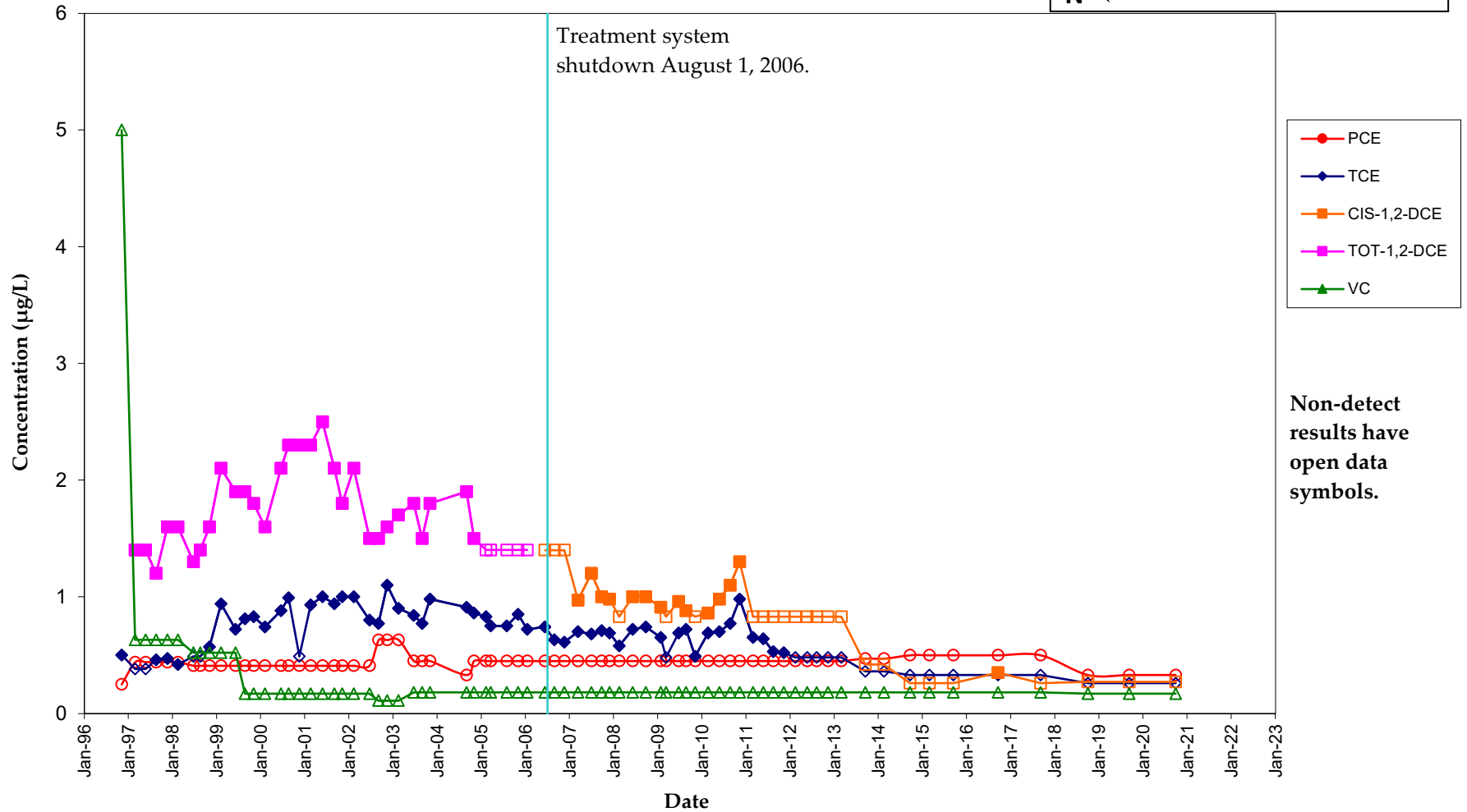
# RM-203D VOC Concentration Trends Lemberger Landfill

LL

LTR

● RM-203I, 203D

N ←



Non-detect results have open data symbols.

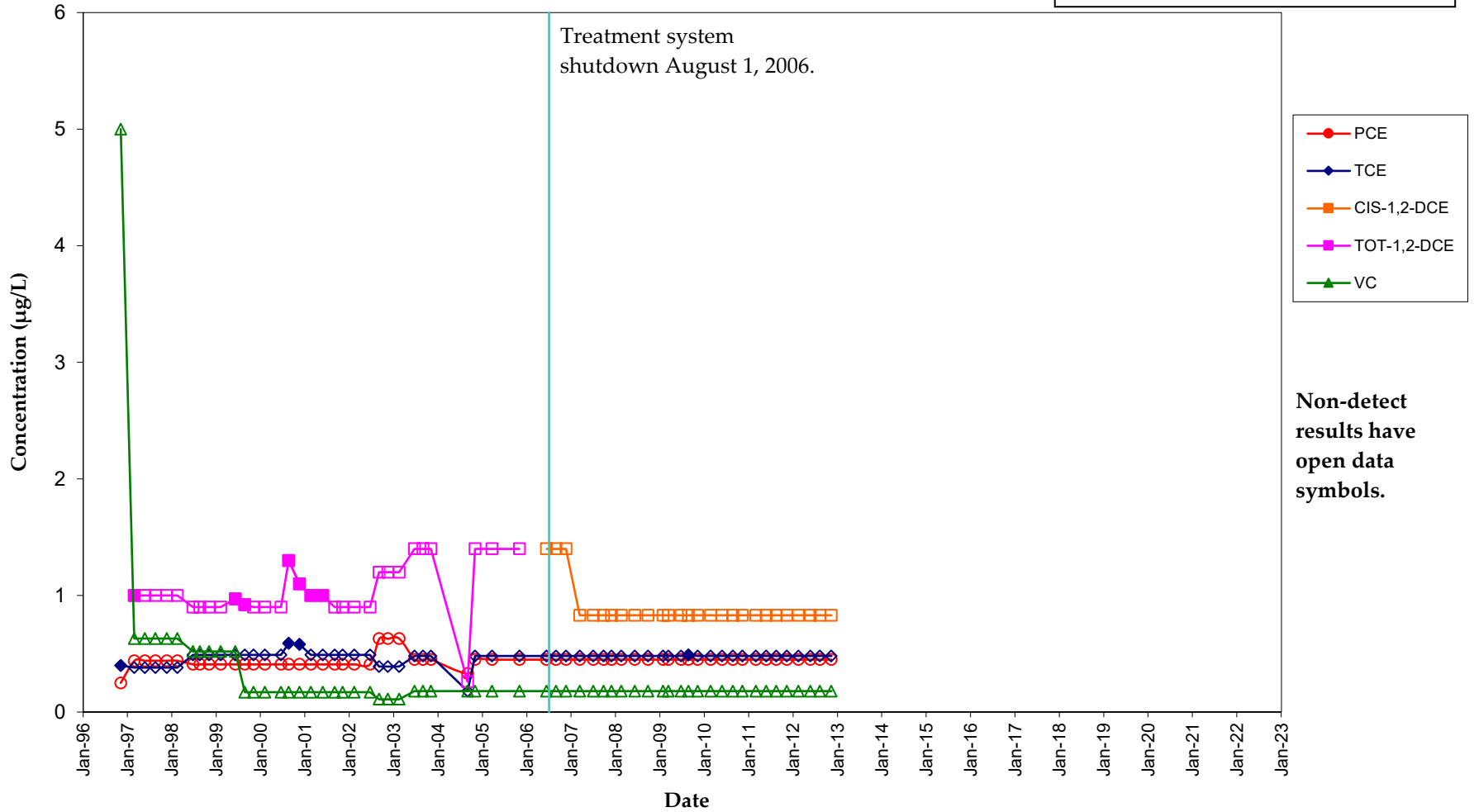


**RM-203I  
VOC Concentration Trends  
Lemberger Landfill**

LL
LTR

● RM-203I, 203D

**N** ←



# RM-204D VOC Concentration Trends Lemberger Landfill

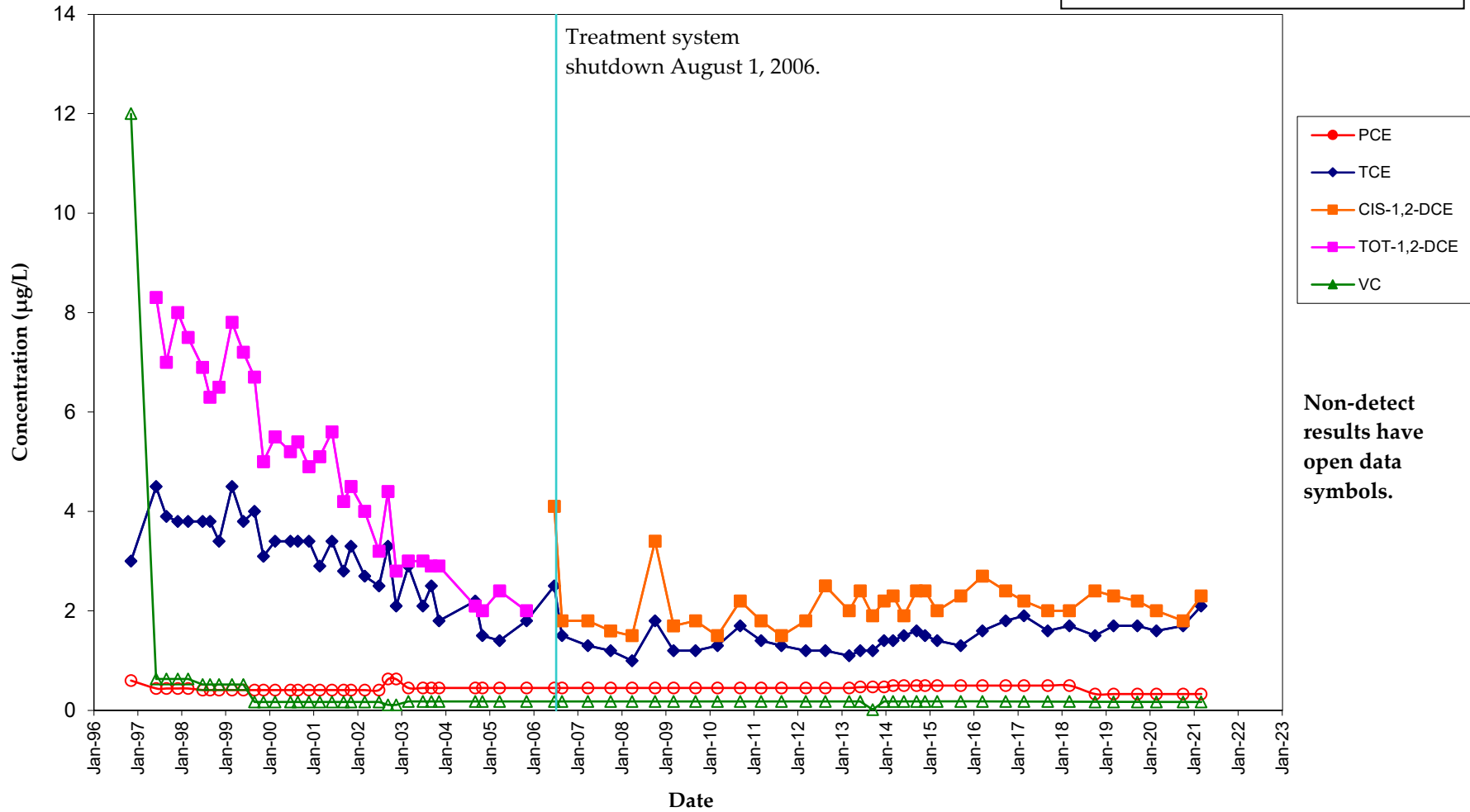
•

RM-204I, 204D

LL

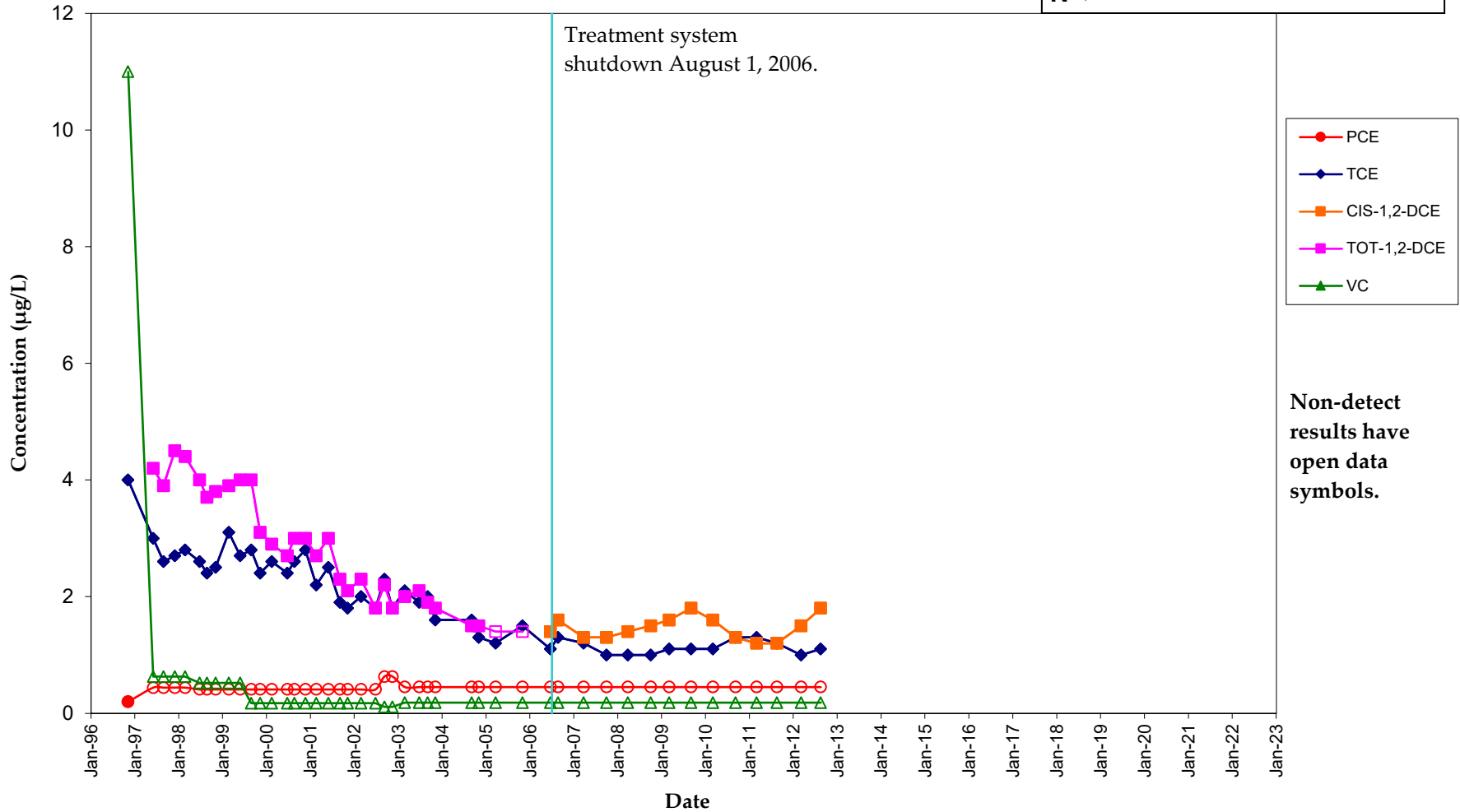
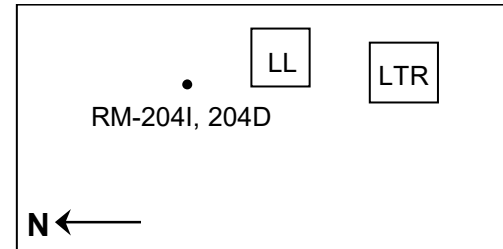
LTR

**N** ←

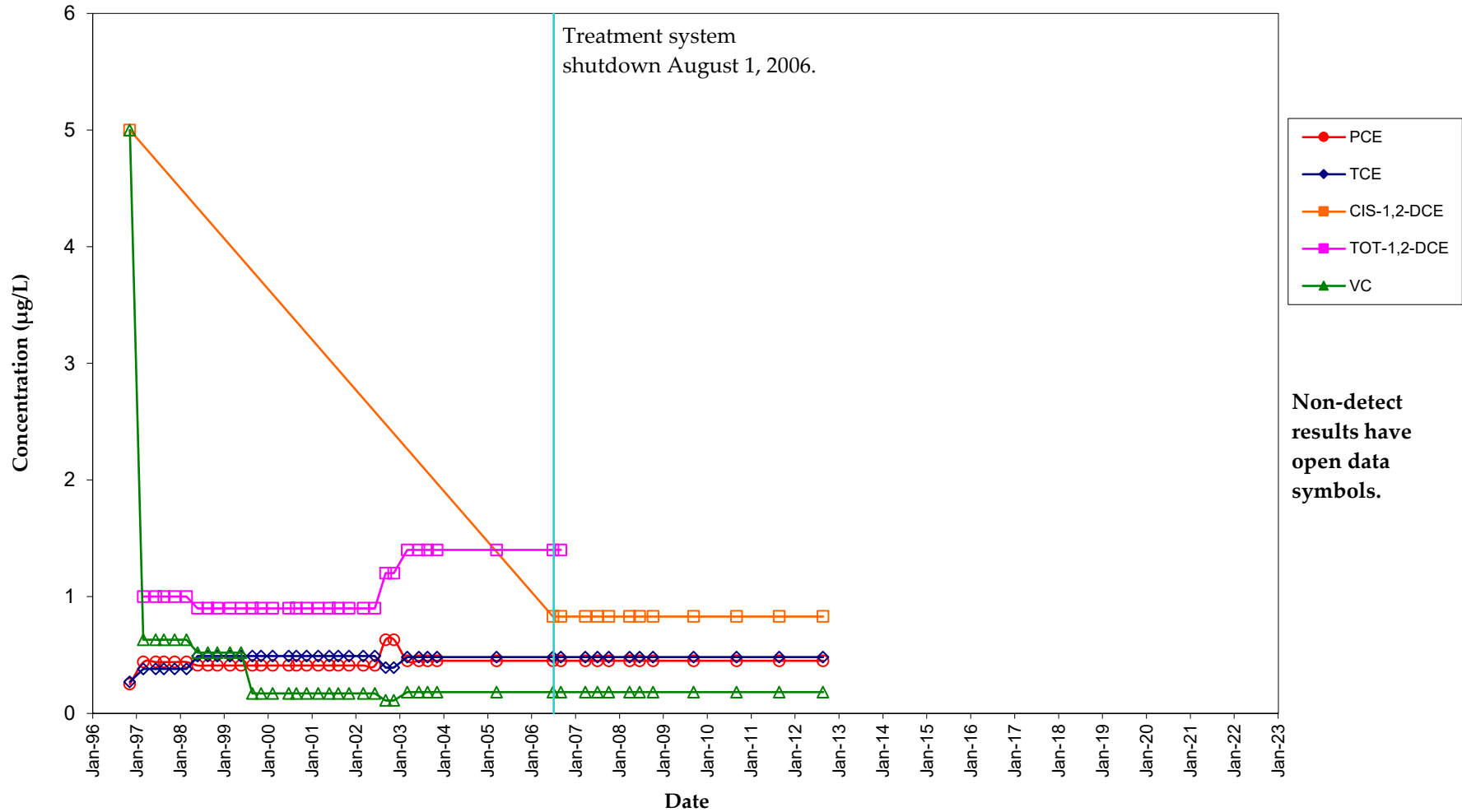


Non-detect results have open data symbols.

**RM-204I  
VOC Concentration Trends  
Lemberger Landfill**

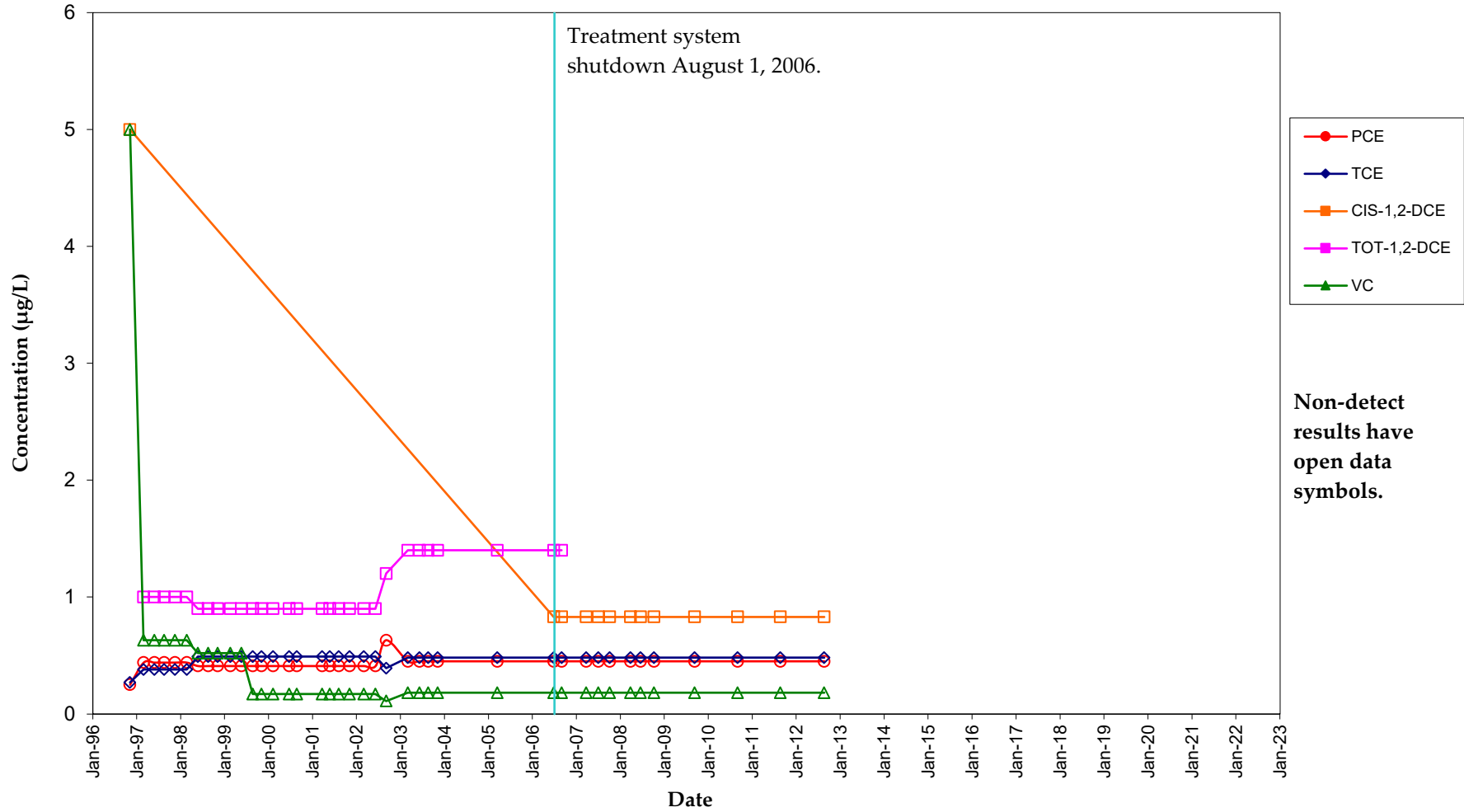


## RM-205D VOC Concentration Trends Lemberger Landfill



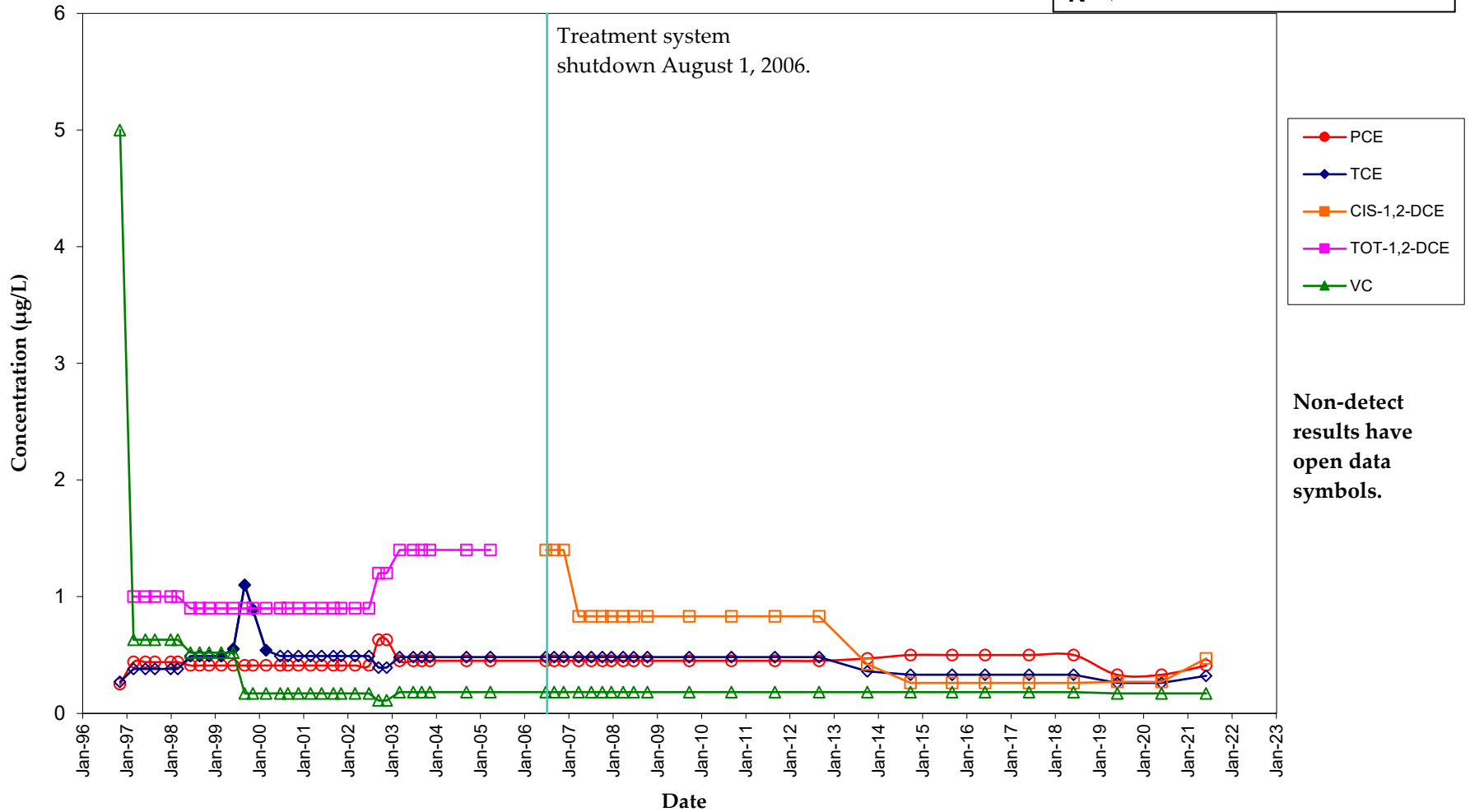
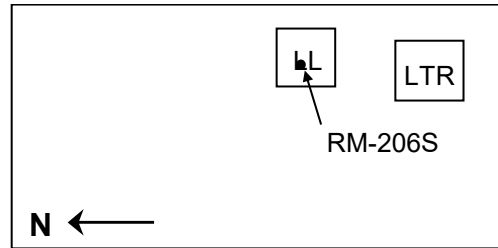
**Non-detect  
results have  
open data  
symbols.**

## RM-205I VOC Concentration Trends Lemberger Landfill



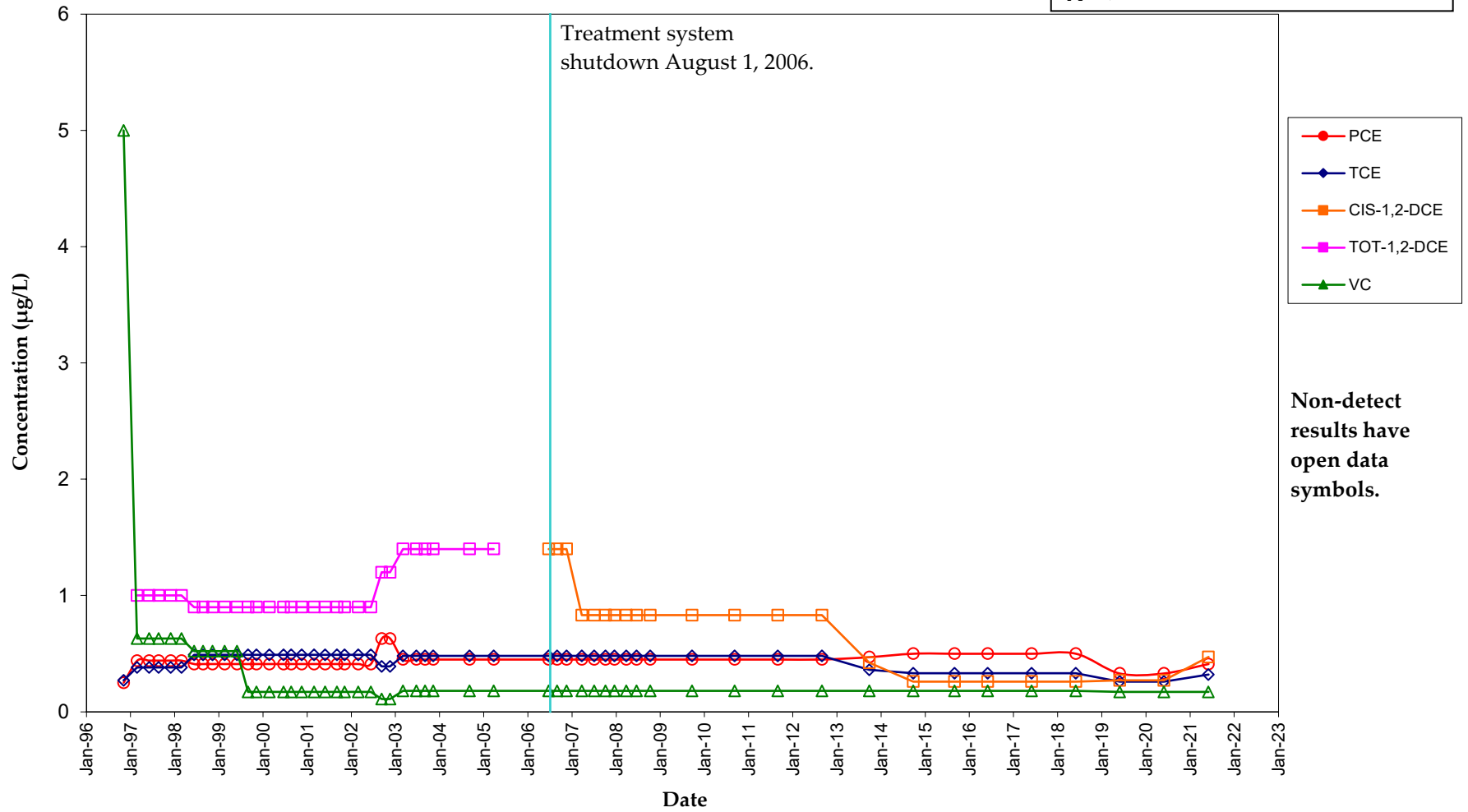
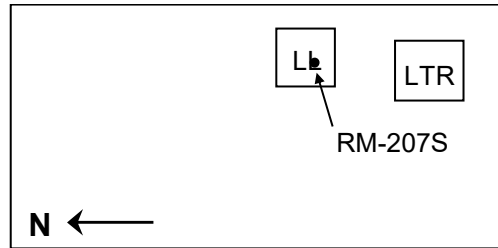
**Non-detect  
results have  
open data  
symbols.**

# RM-206S VOC Concentration Trends Lemberger Landfill

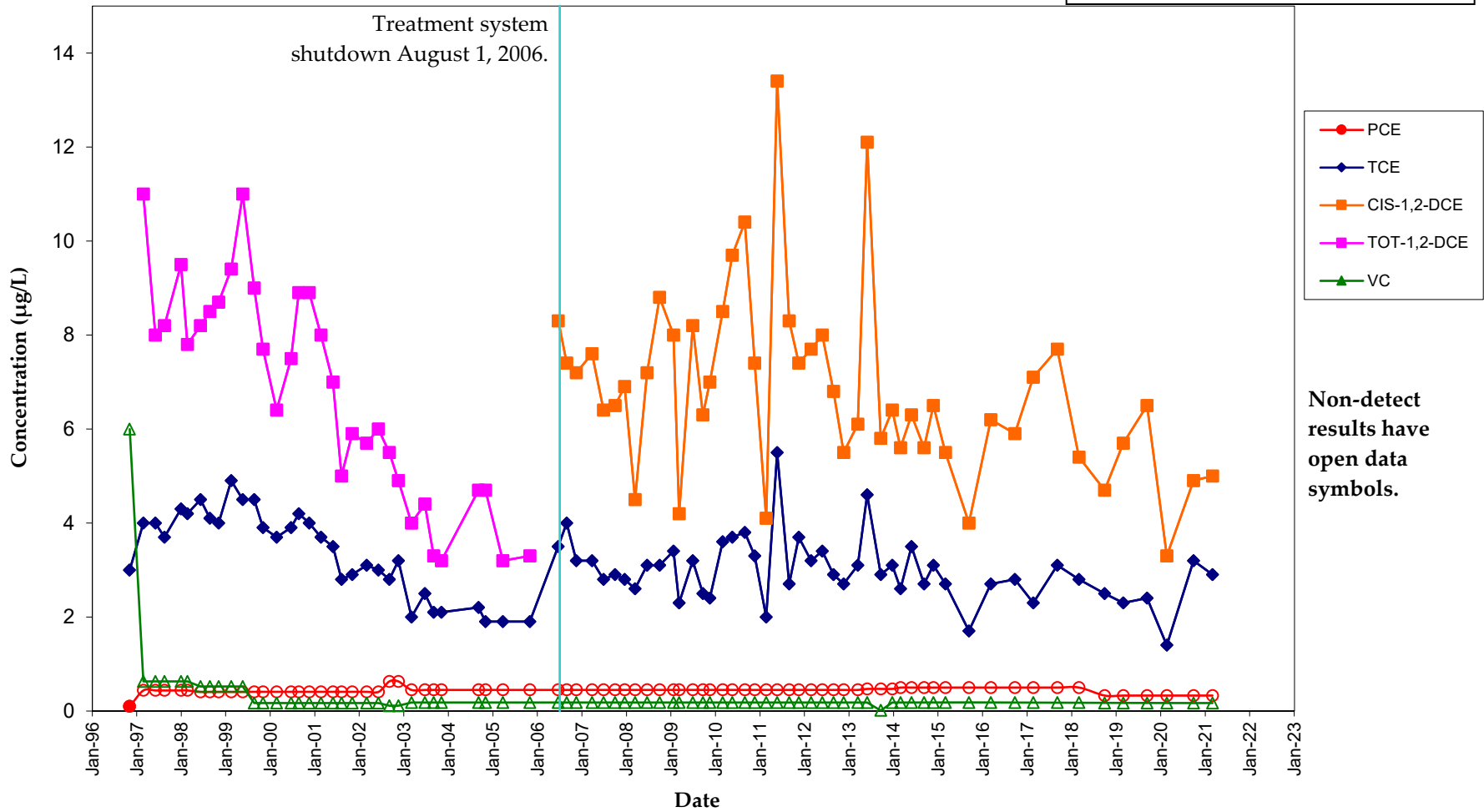
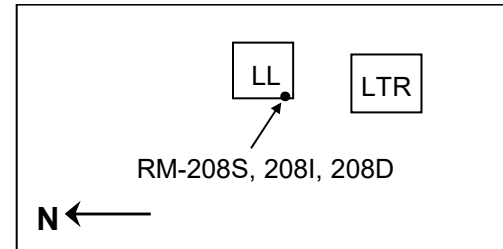


**Non-detect results have open data symbols.**

# RM-207S VOC Concentration Trends Lemberger Landfill

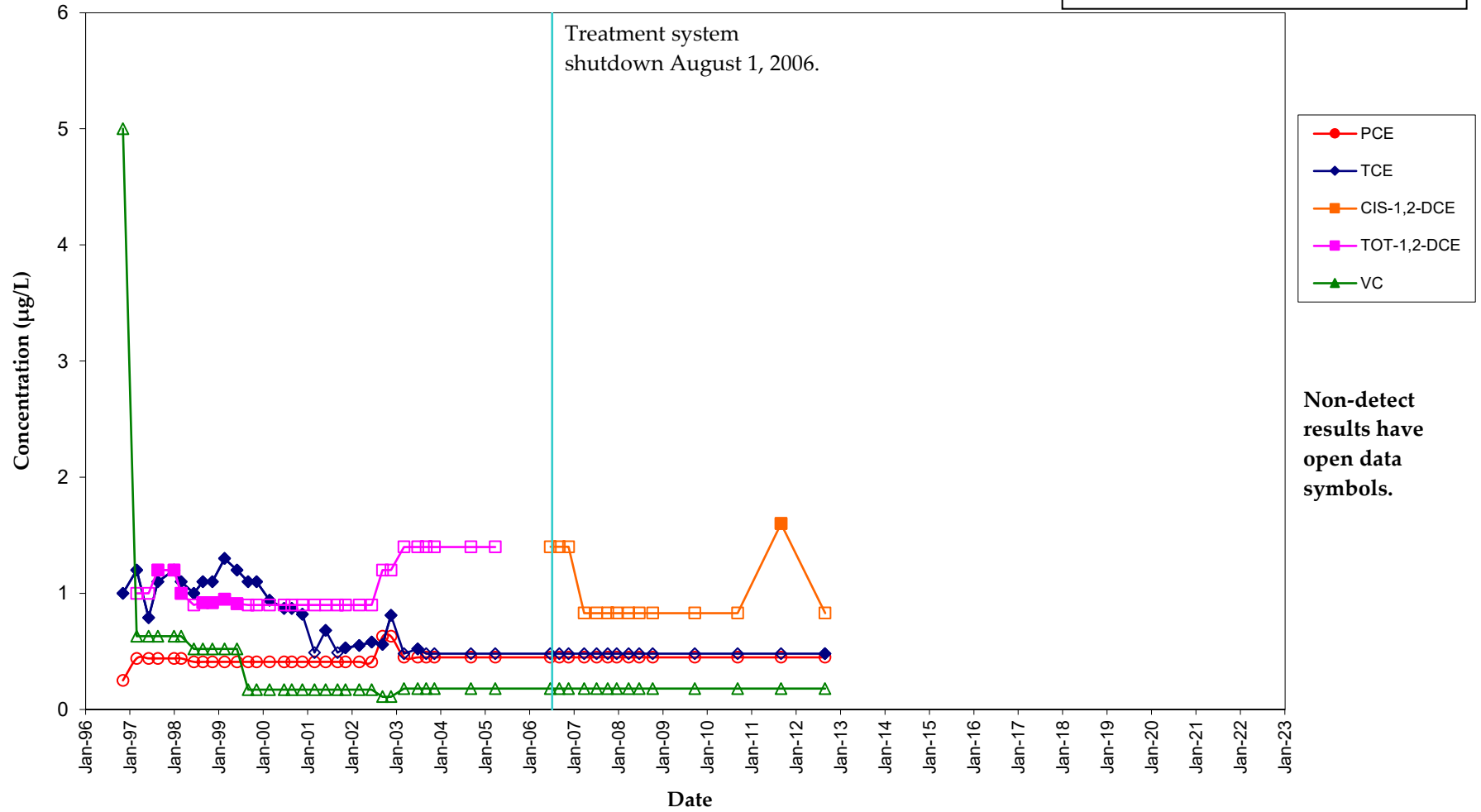
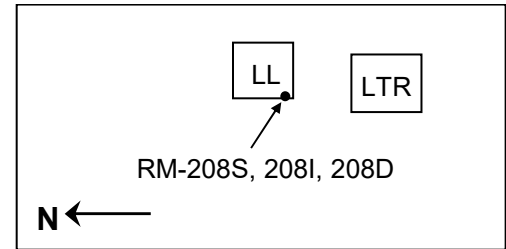


# RM-208D VOC Concentration Trends Lemberger Landfill

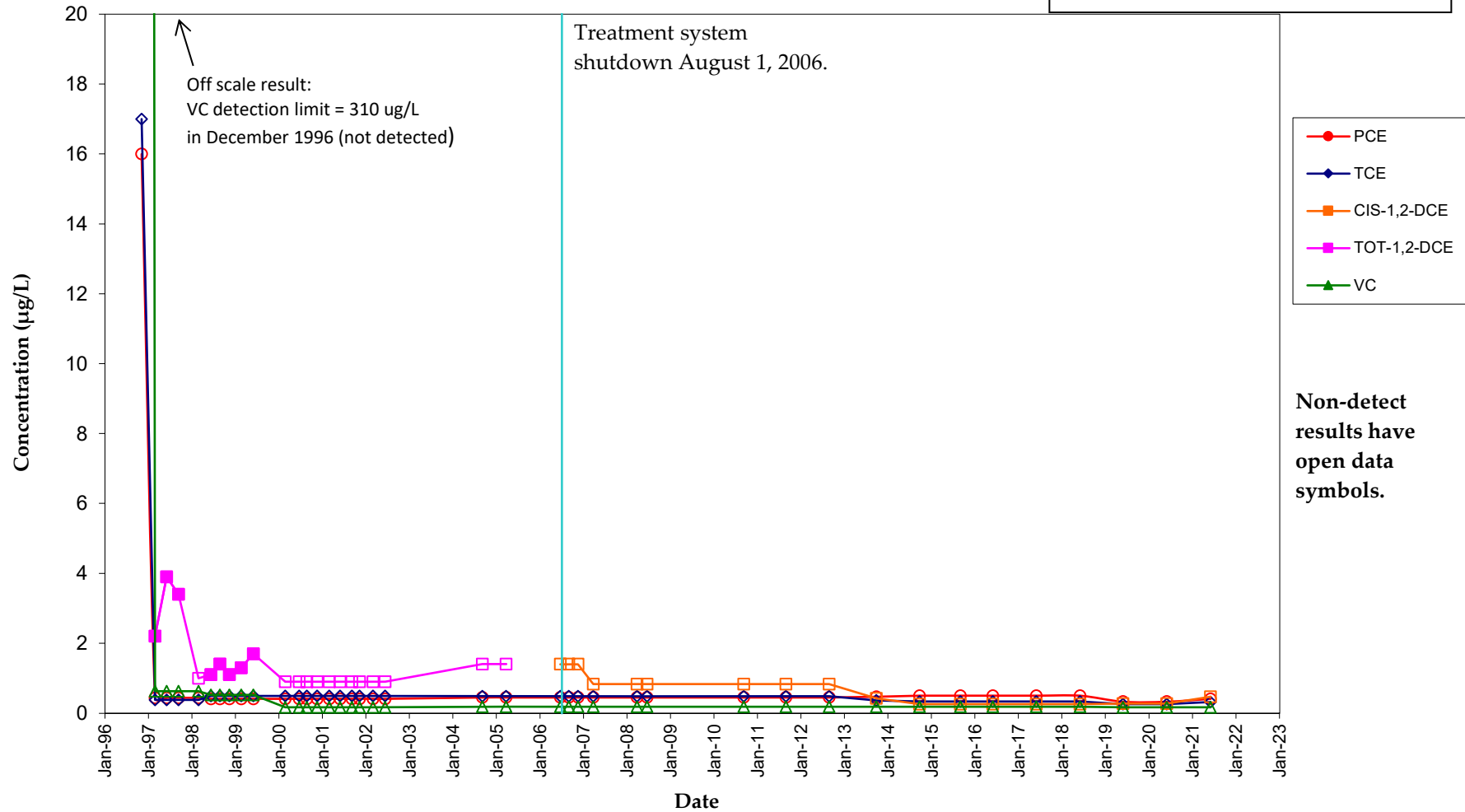
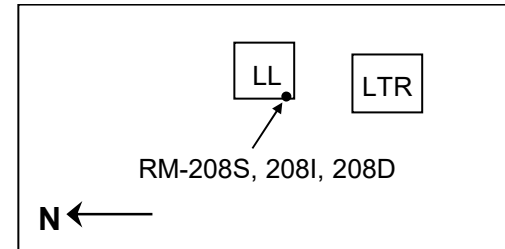




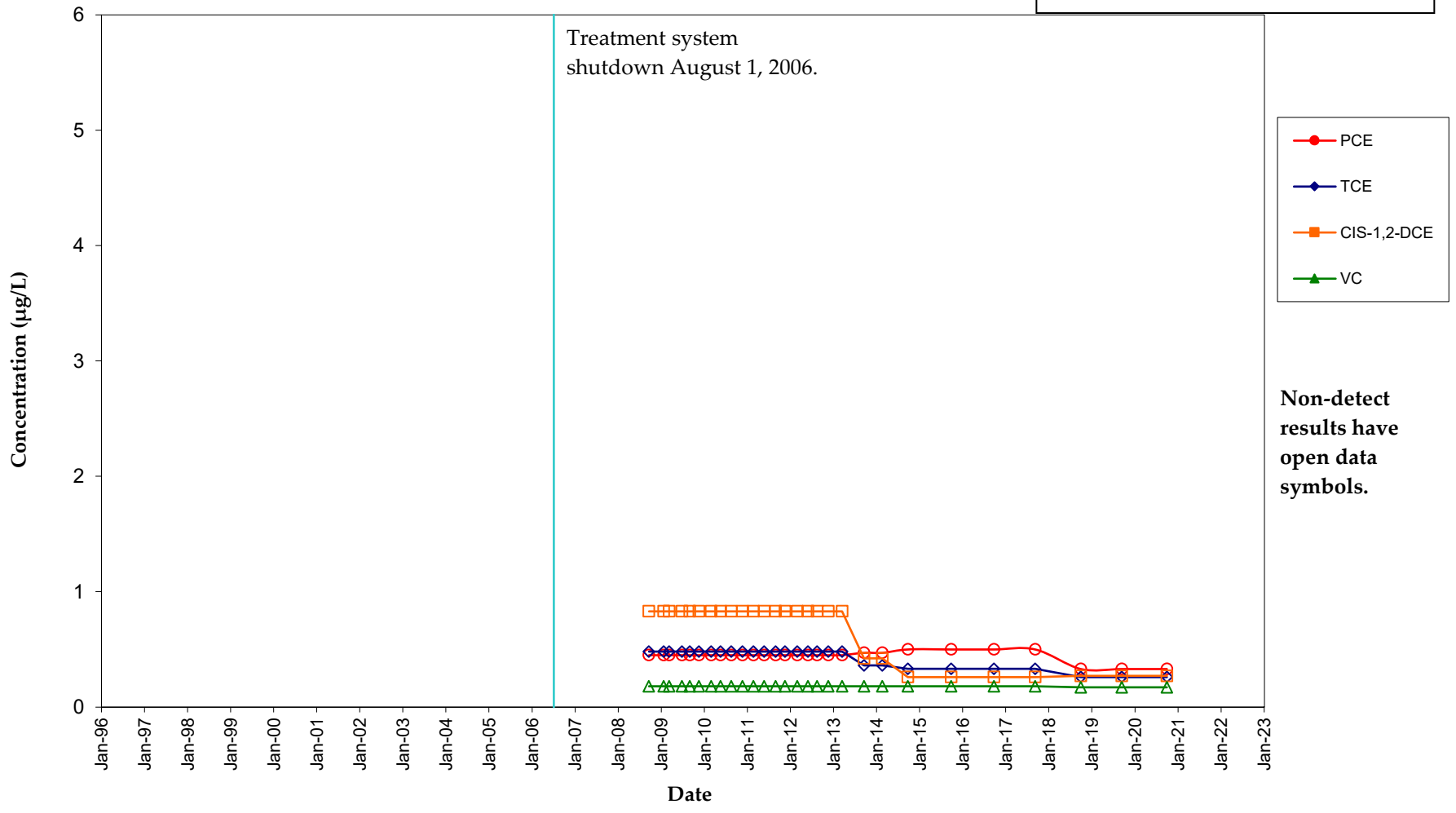
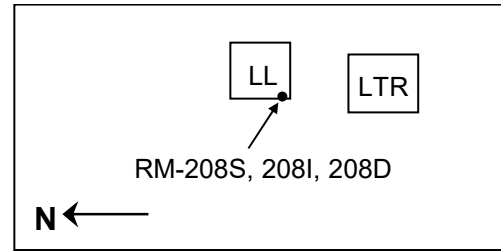
## RM-208I VOC Concentration Trends Lemberger Landfill



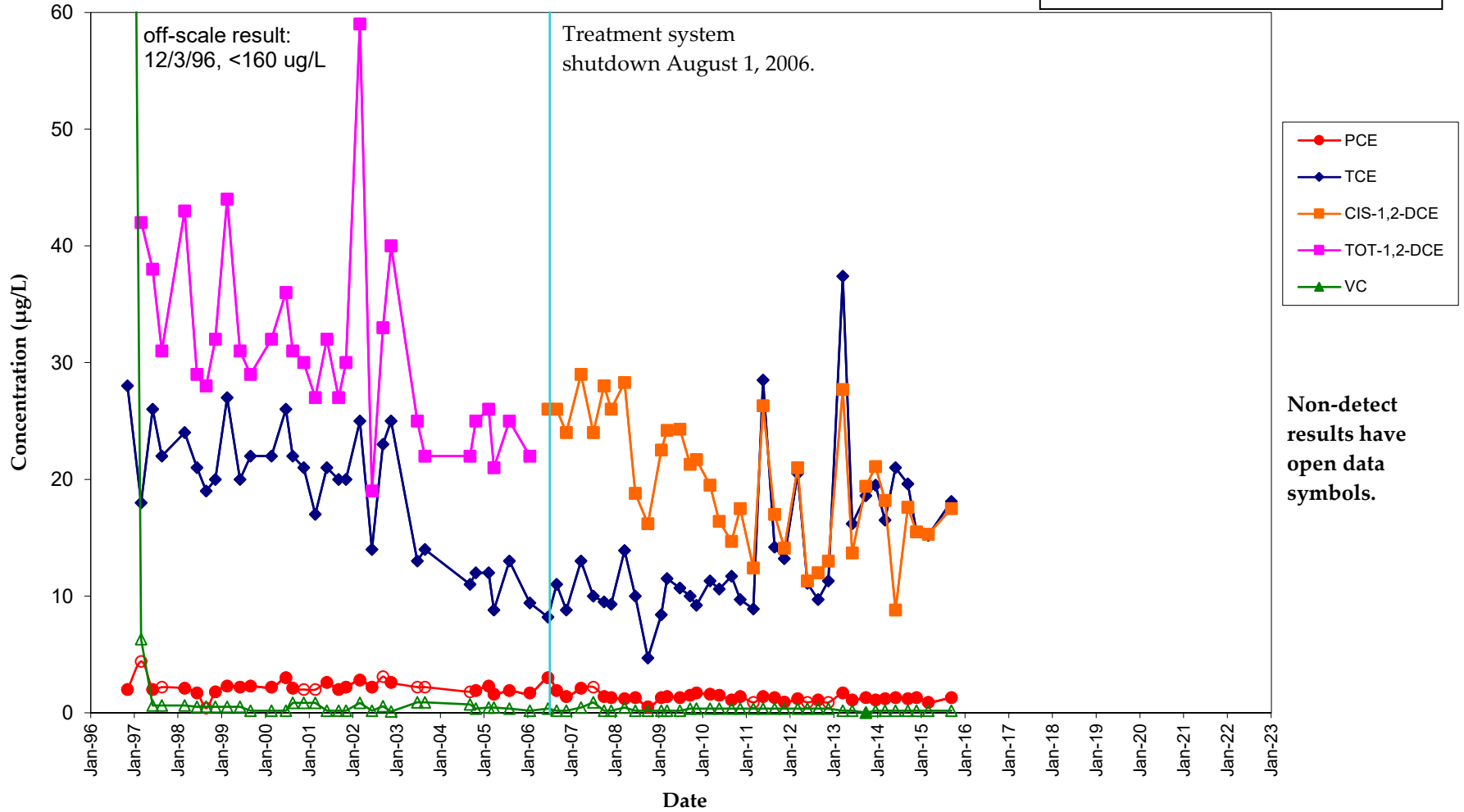
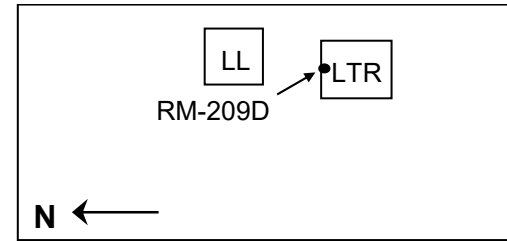
# RM-208S VOC Concentration Trends Lemberger Landfill



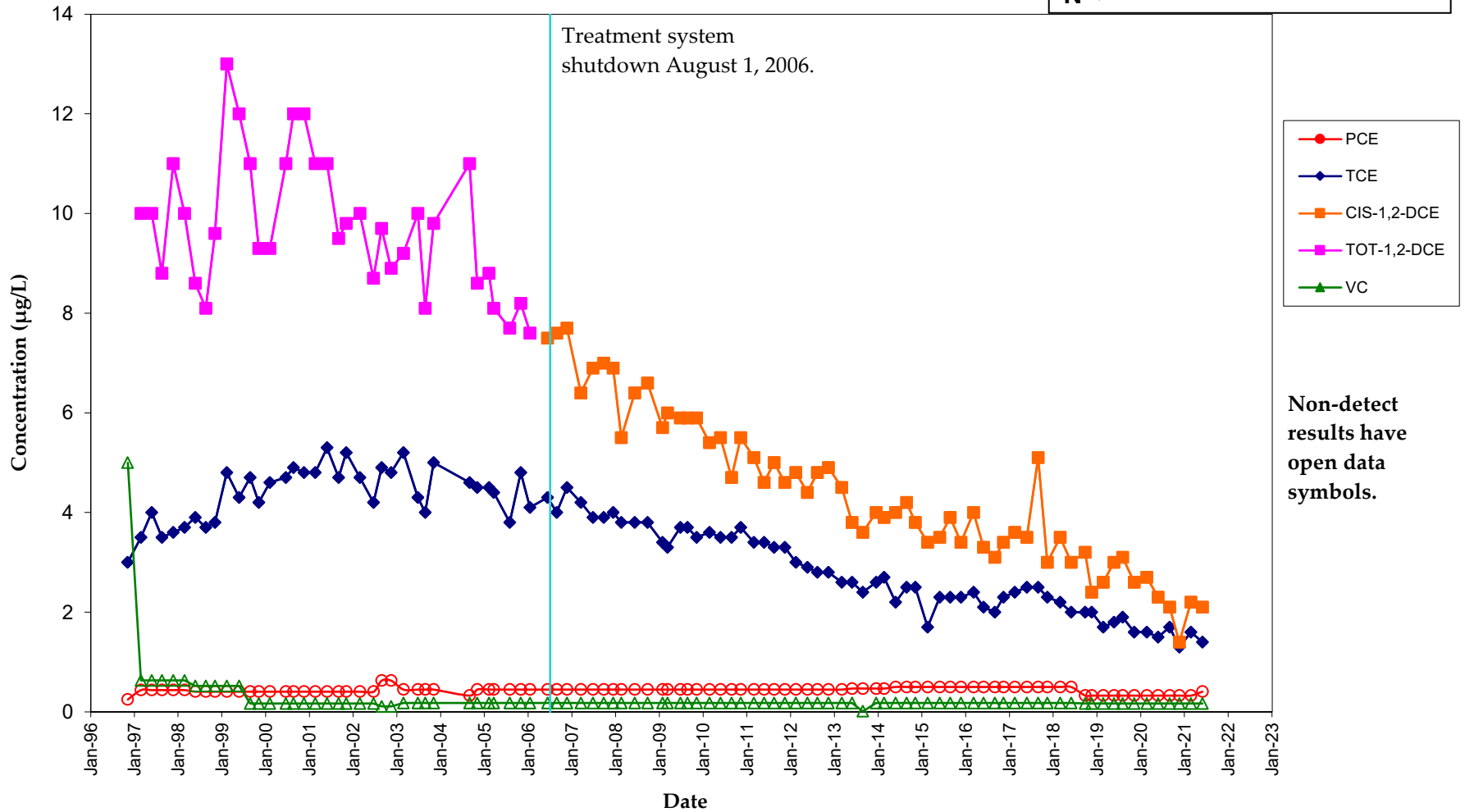
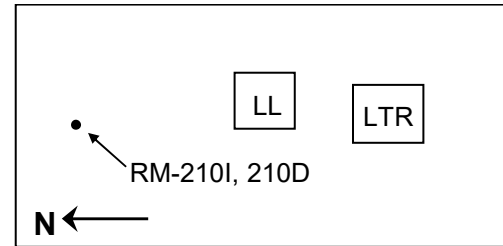
## RM-208XD VOC Concentration Trends Lemberger Landfill



# RM-209D VOC Concentration Trends Lemberger Landfill

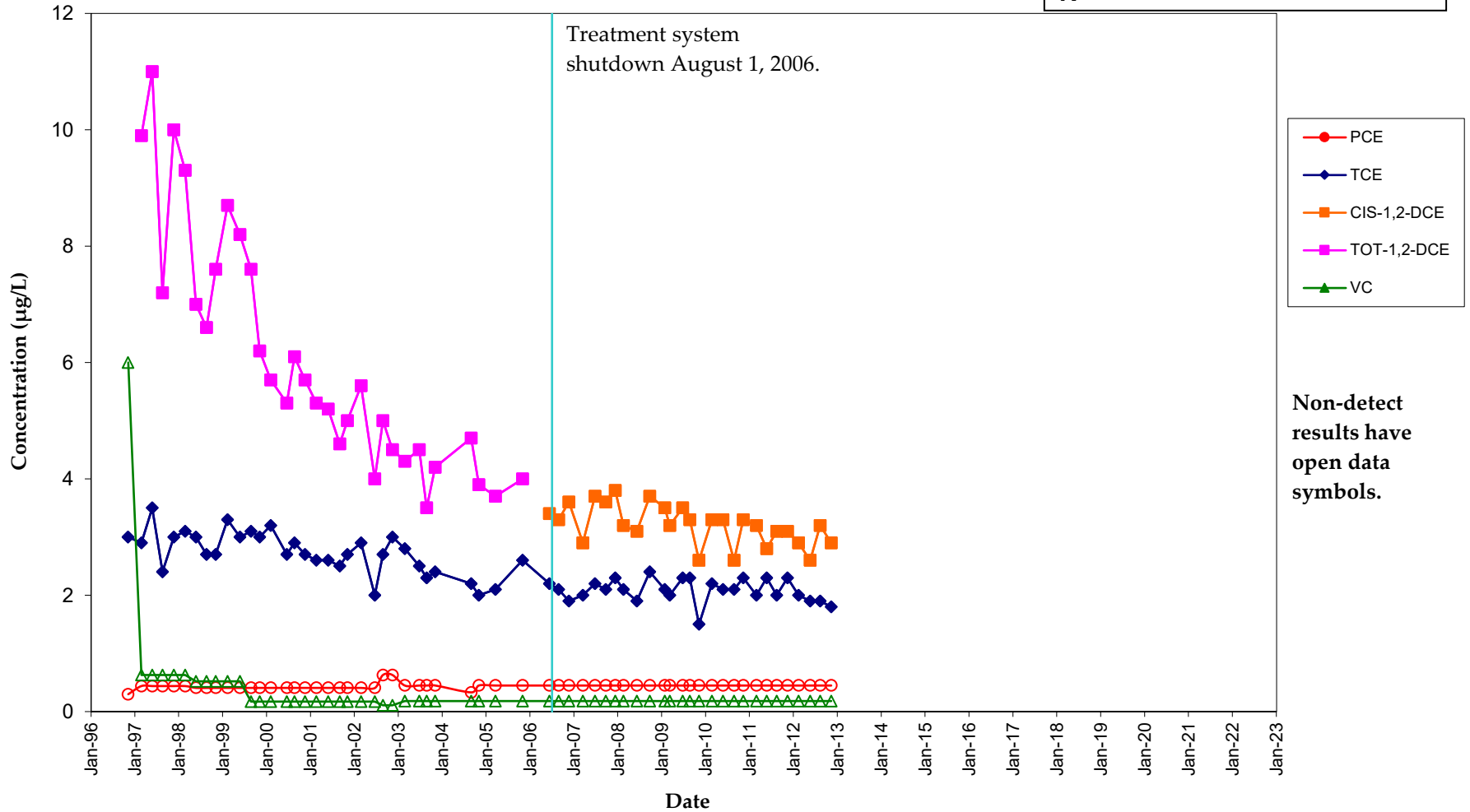
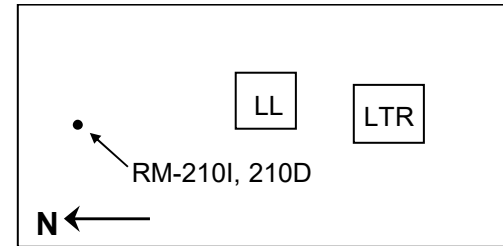


# RM-210D VOC Concentration Trends Lemberger Landfill



Non-detect results have open data symbols.

## RM-210I VOC Concentration Trends Lemberger Landfill



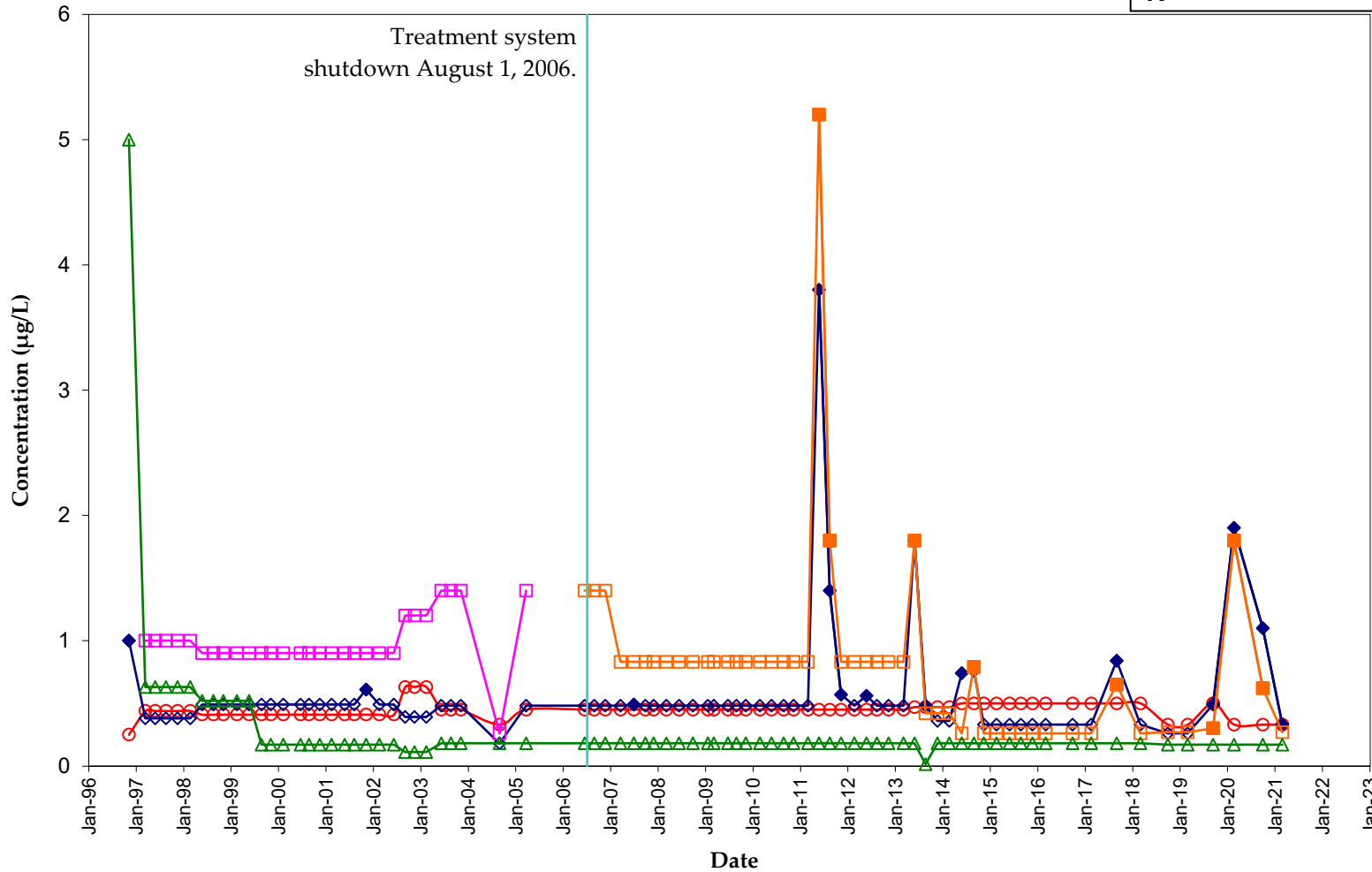
# RM-211D VOC Concentration Trends Lemberger Landfill

LL

LTR

RM-211D

N ←



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

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

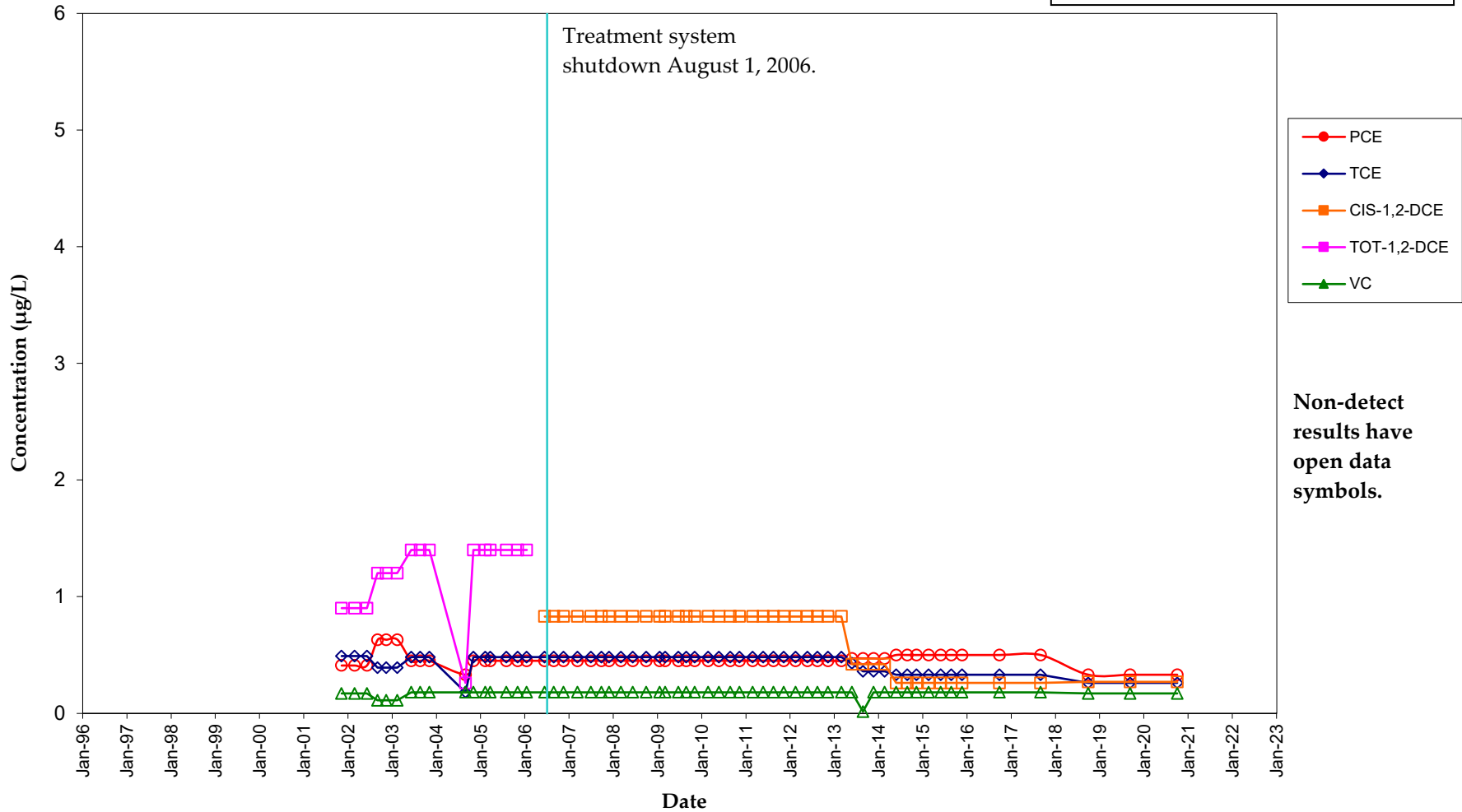
# RM-212D VOC Concentration Trends Lemberger Landfill

LL

LTR

• RM-212I, 212D

**N** ←



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

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

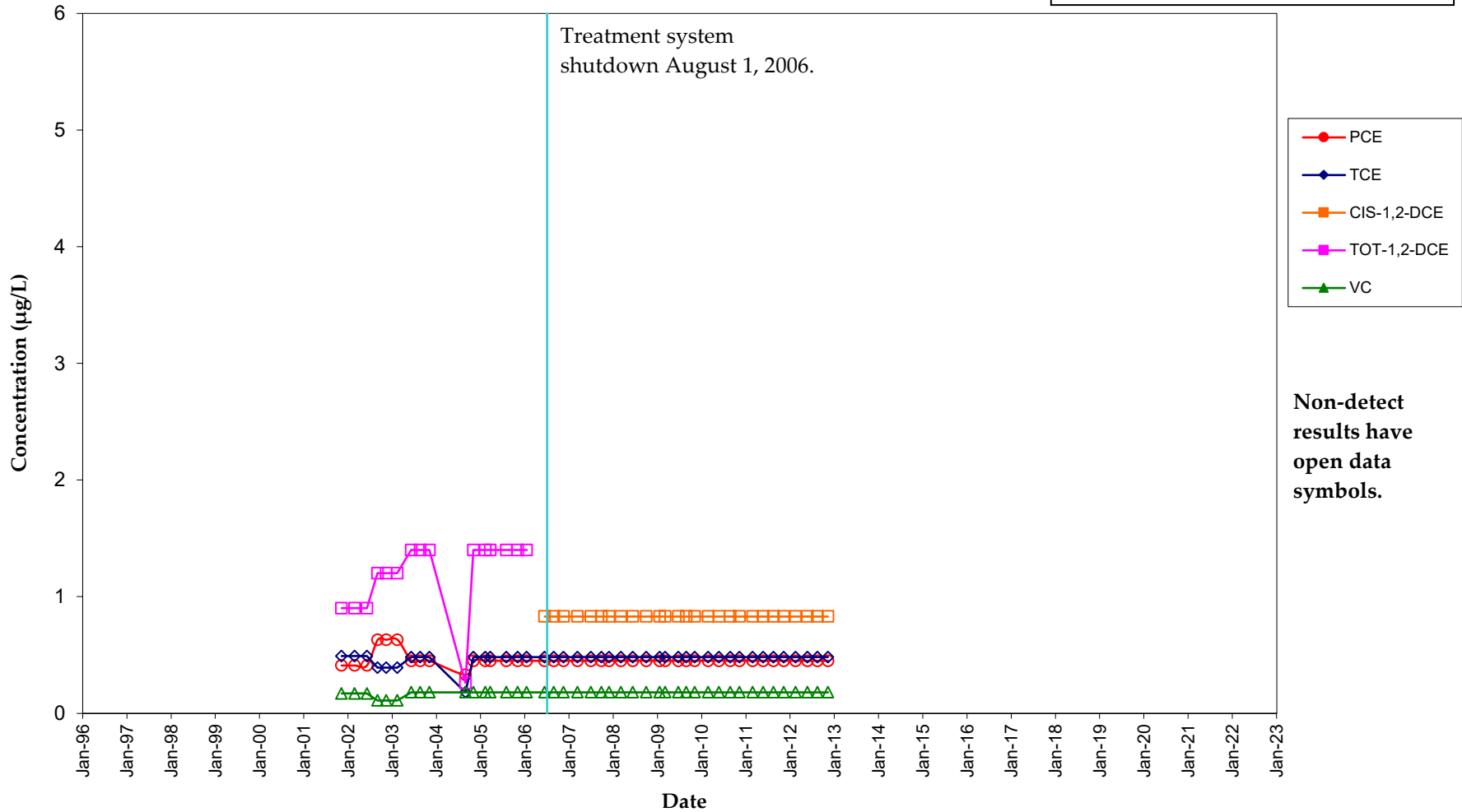


**RM-212I  
VOC Concentration Trends  
Lemberger Landfill**

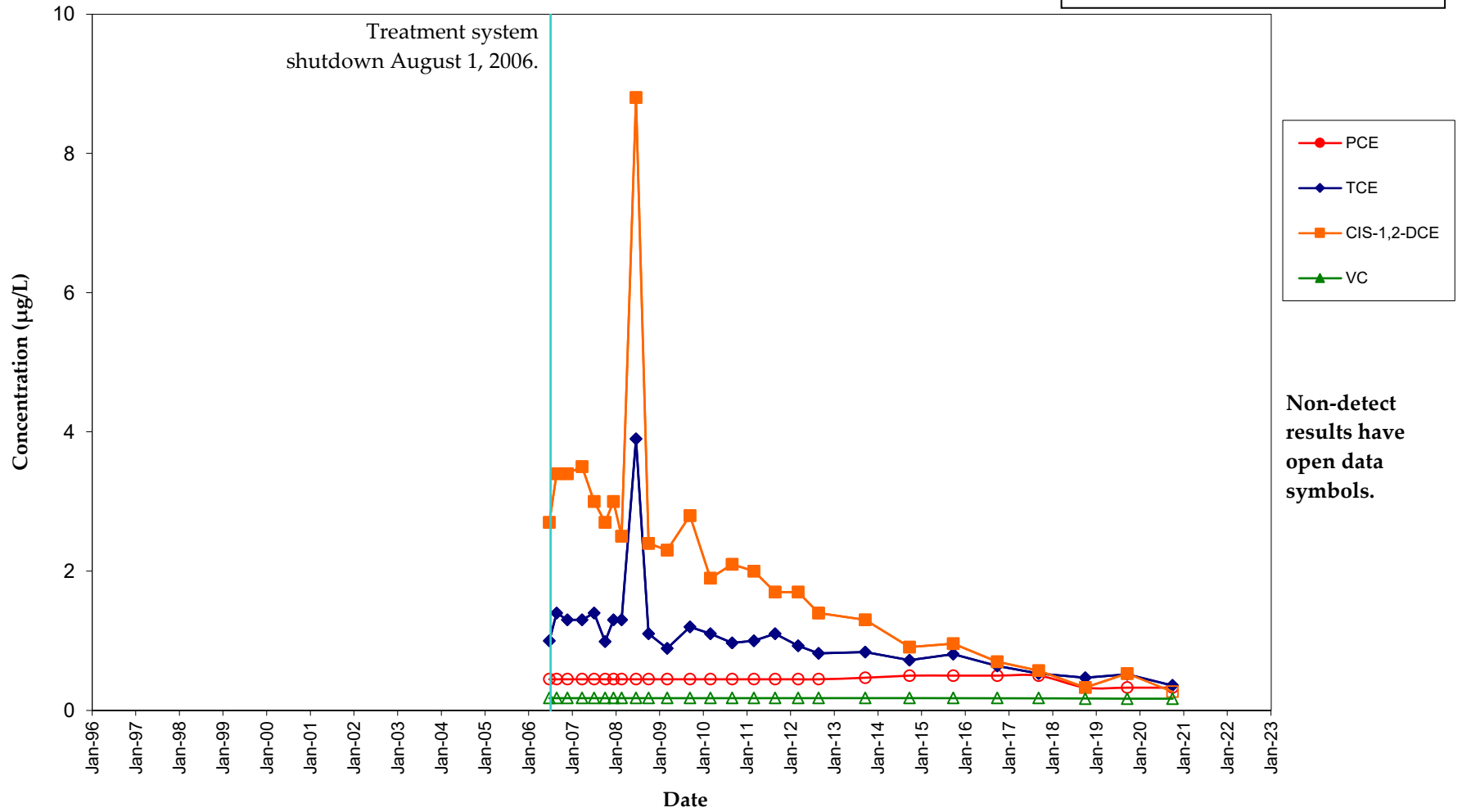
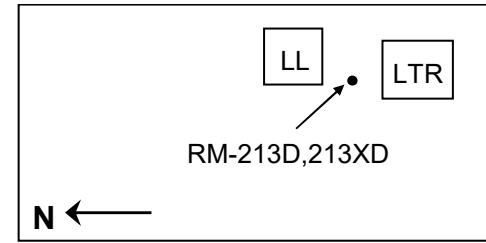
LL      LTR

• RM-212I, 212D

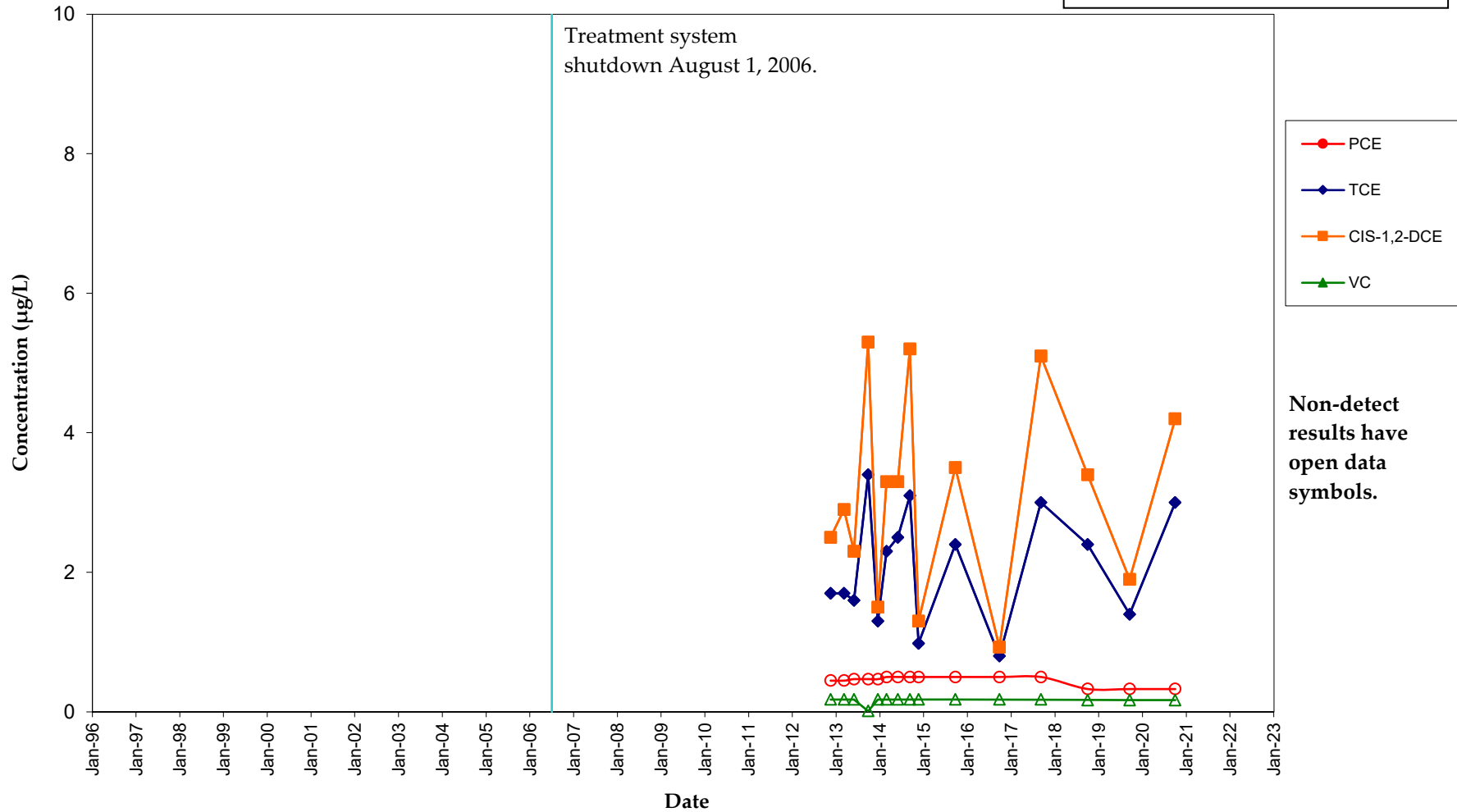
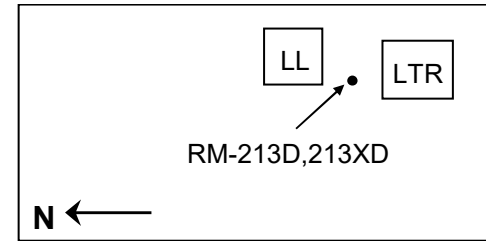
N ←



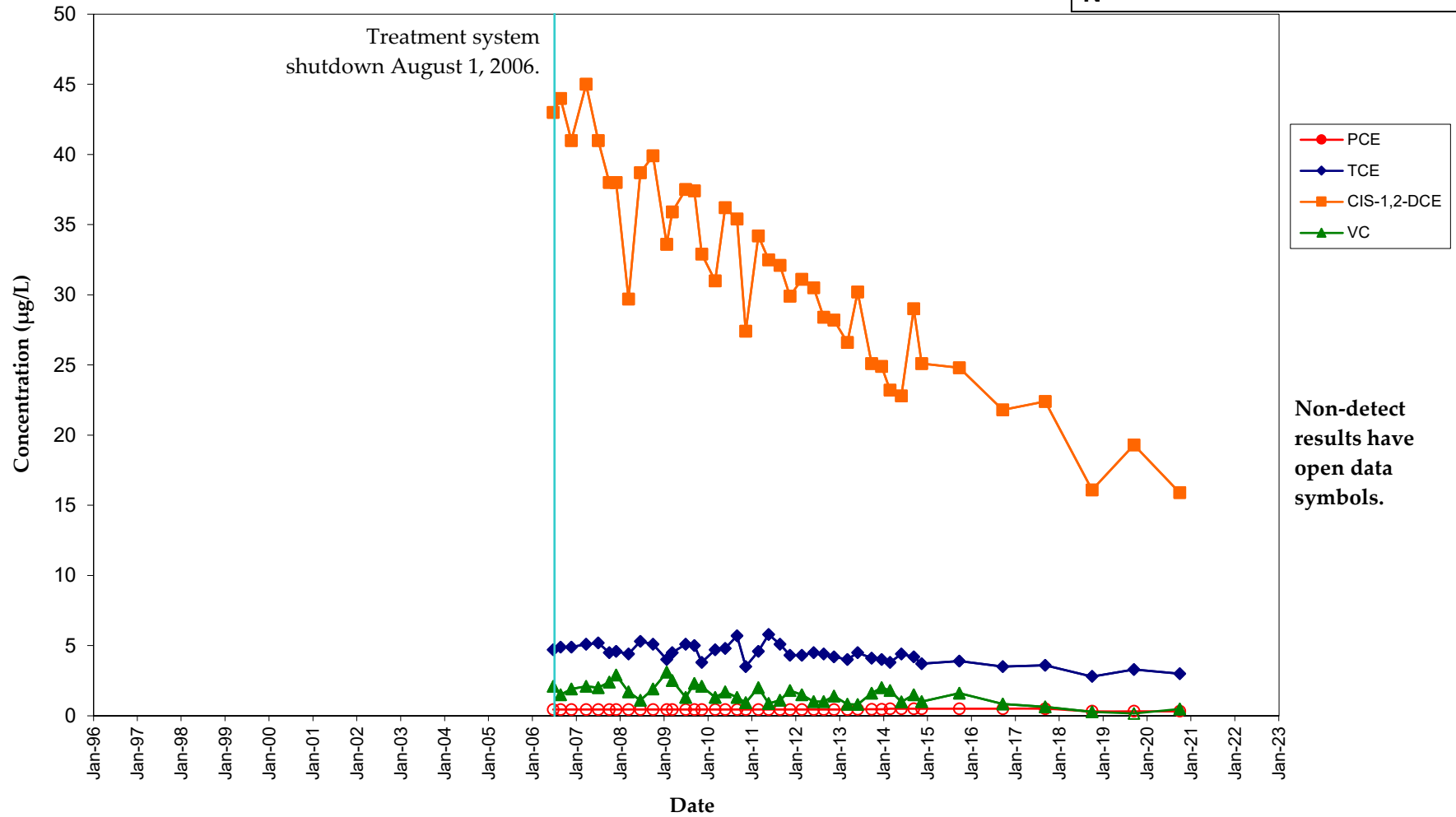
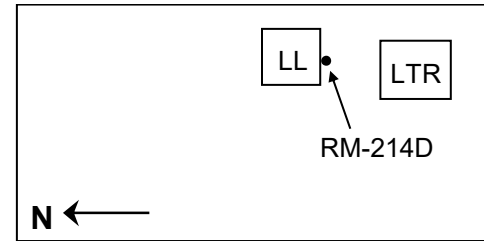
### RM-213D VOC Concentration Trends Lemberger Landfill



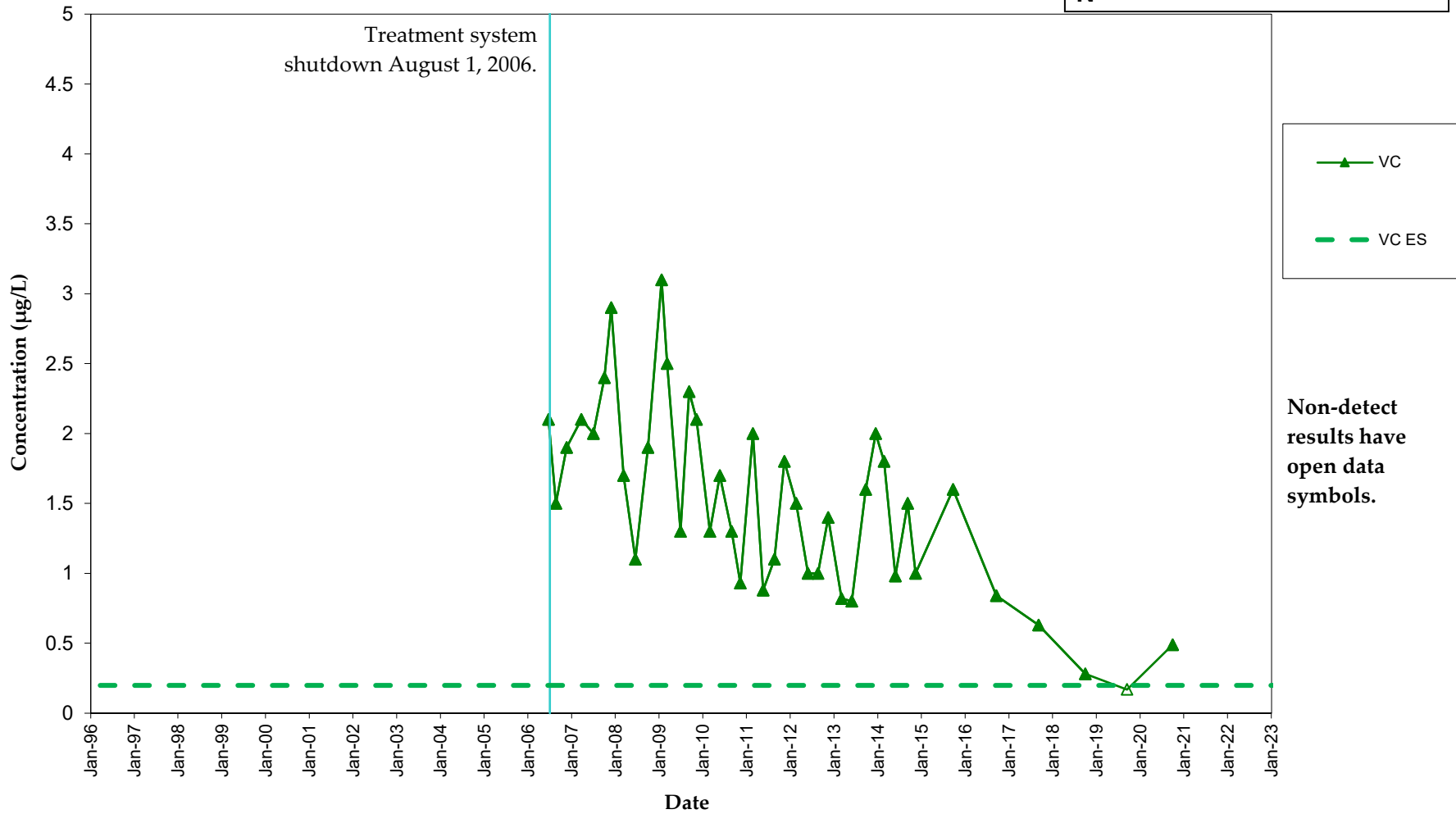
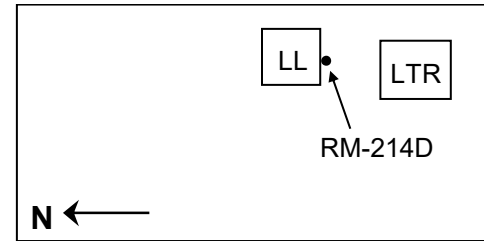
**RM-213XD  
VOC Concentration Trends  
Lemberger Landfill**



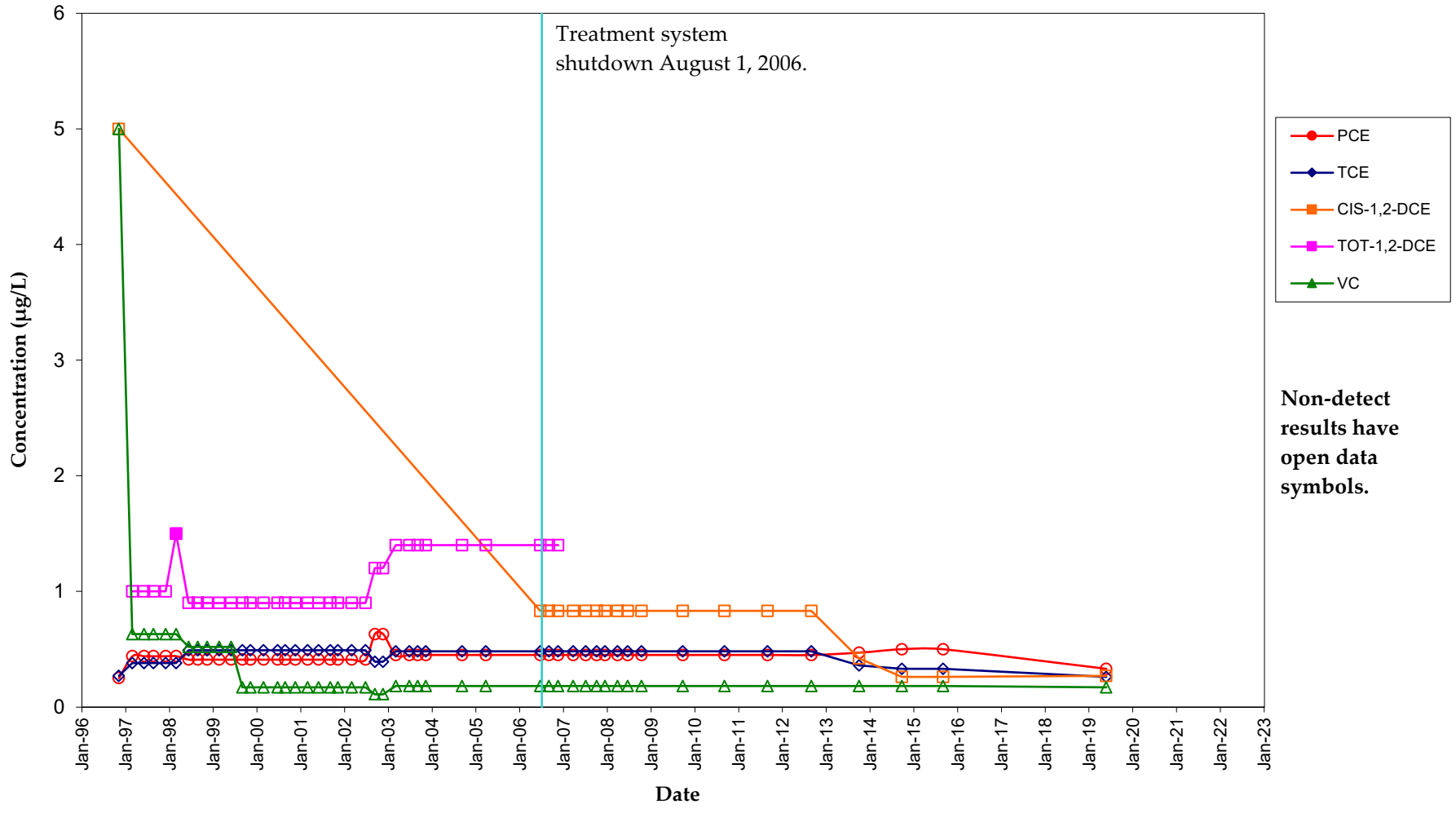
## RM-214D VOC Concentration Trends Lemberger Landfill



# RM-214D VOC Concentration Trends Lemberger Landfill

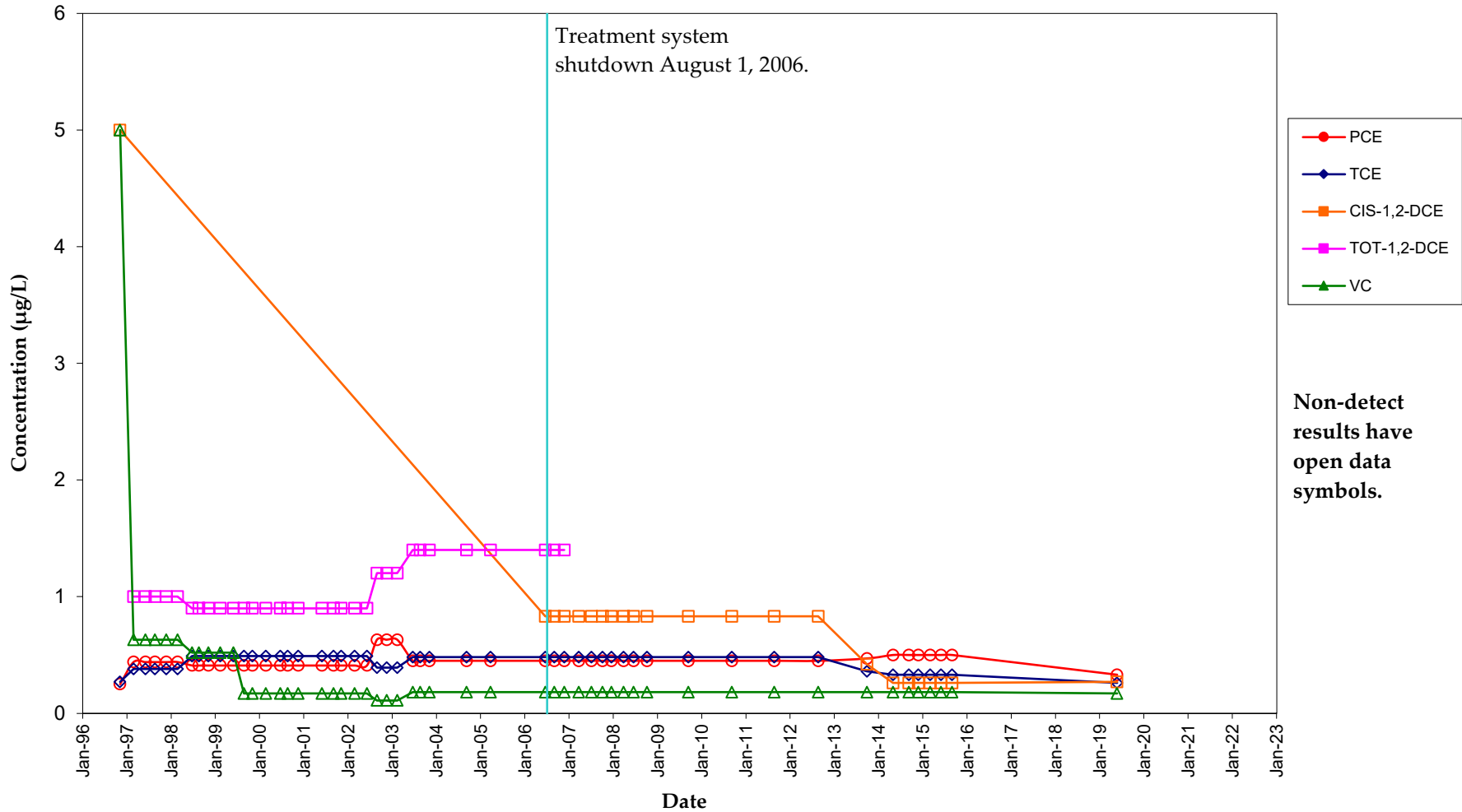


# RM-301S VOC Concentration Trends Lemberger Landfill



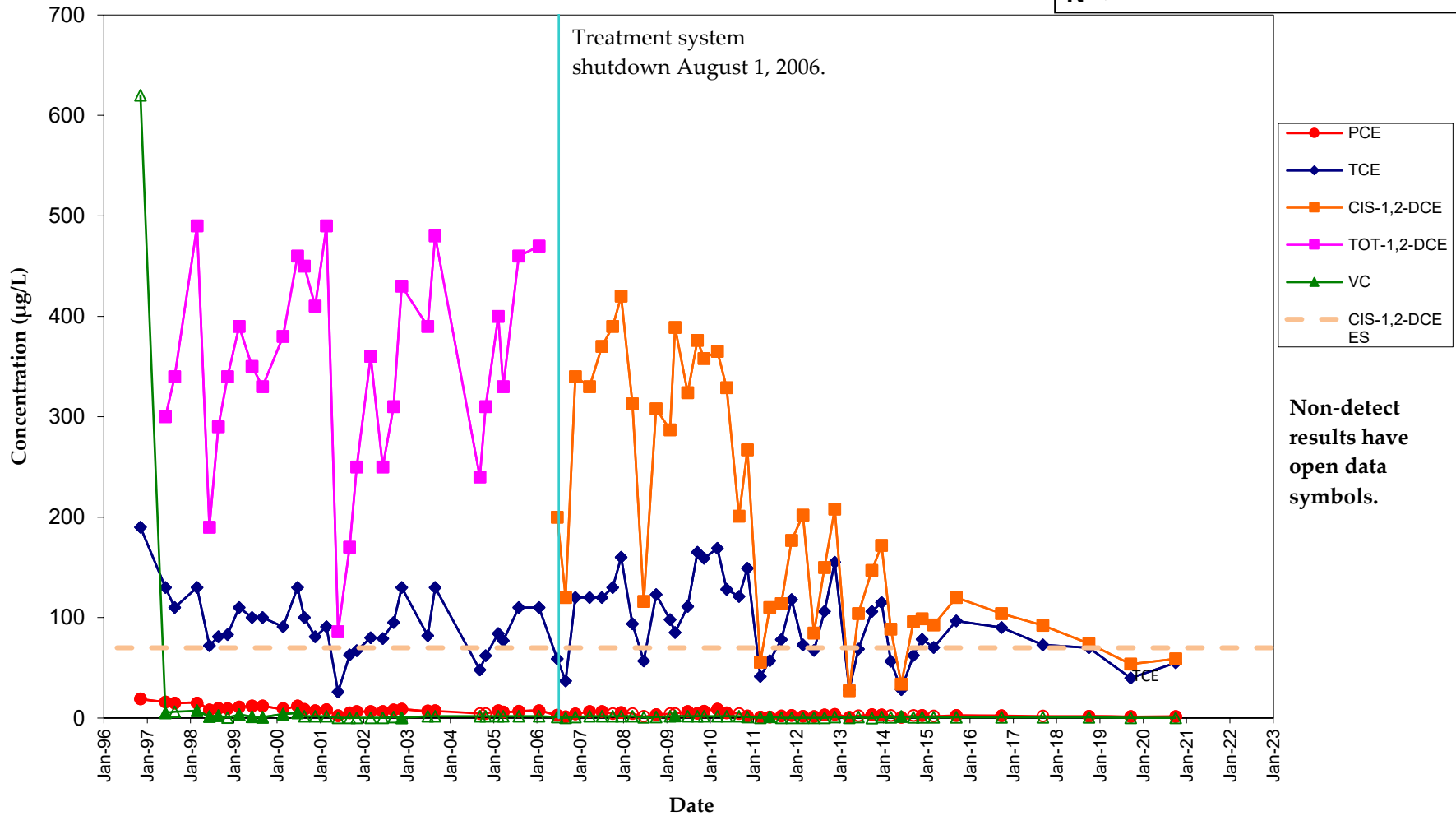
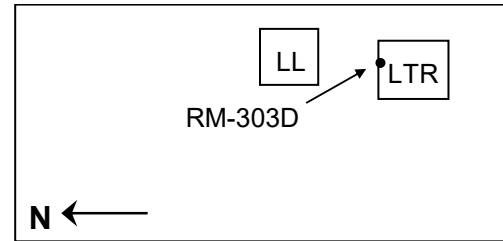
**Non-detect results have open data symbols.**

# RM-302S VOC Concentration Trends Lemberger Landfill



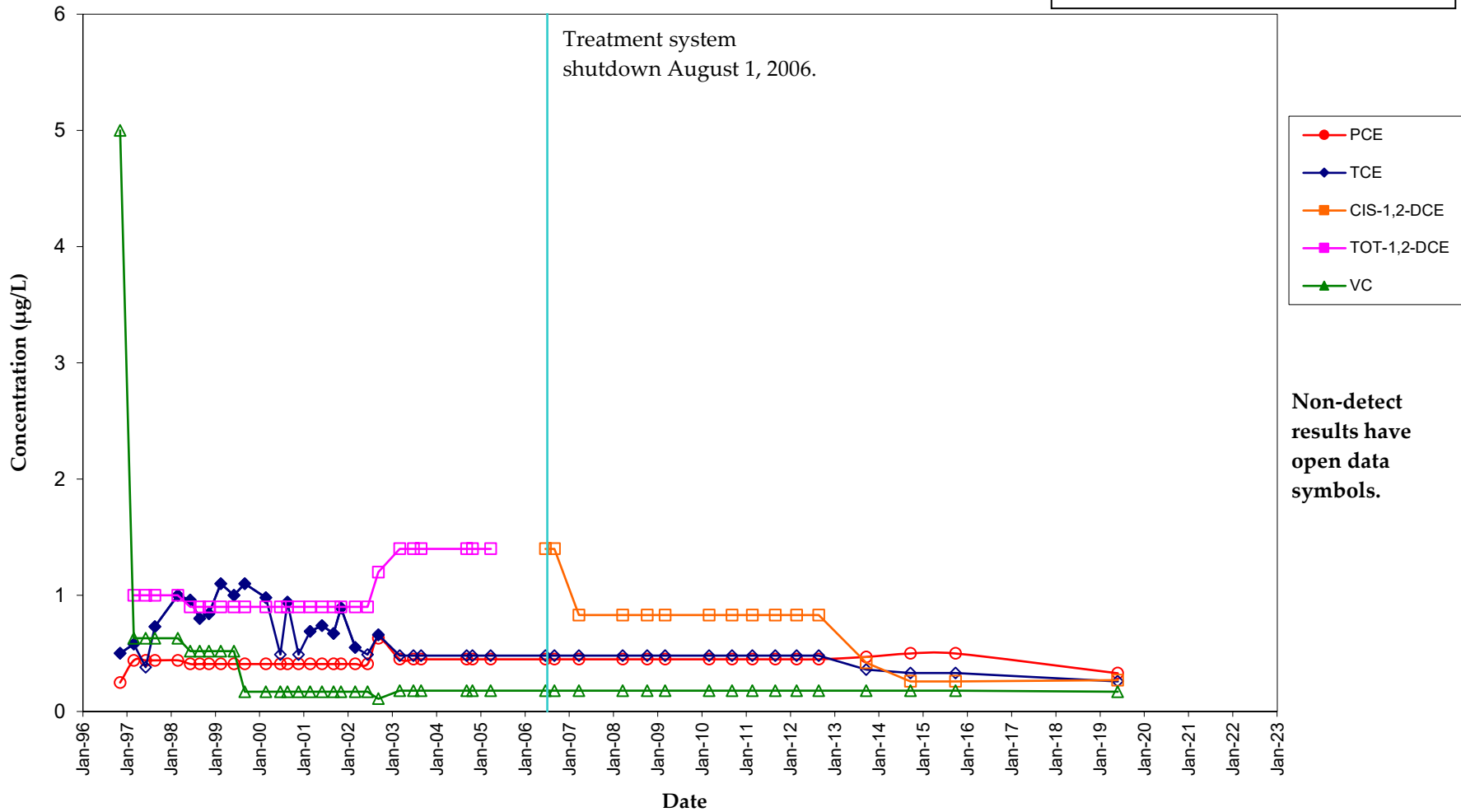
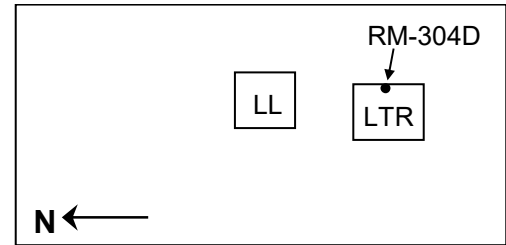
**Non-detect results have open data symbols.**

# RM-303D VOC Concentration Trends Lemberger Landfill

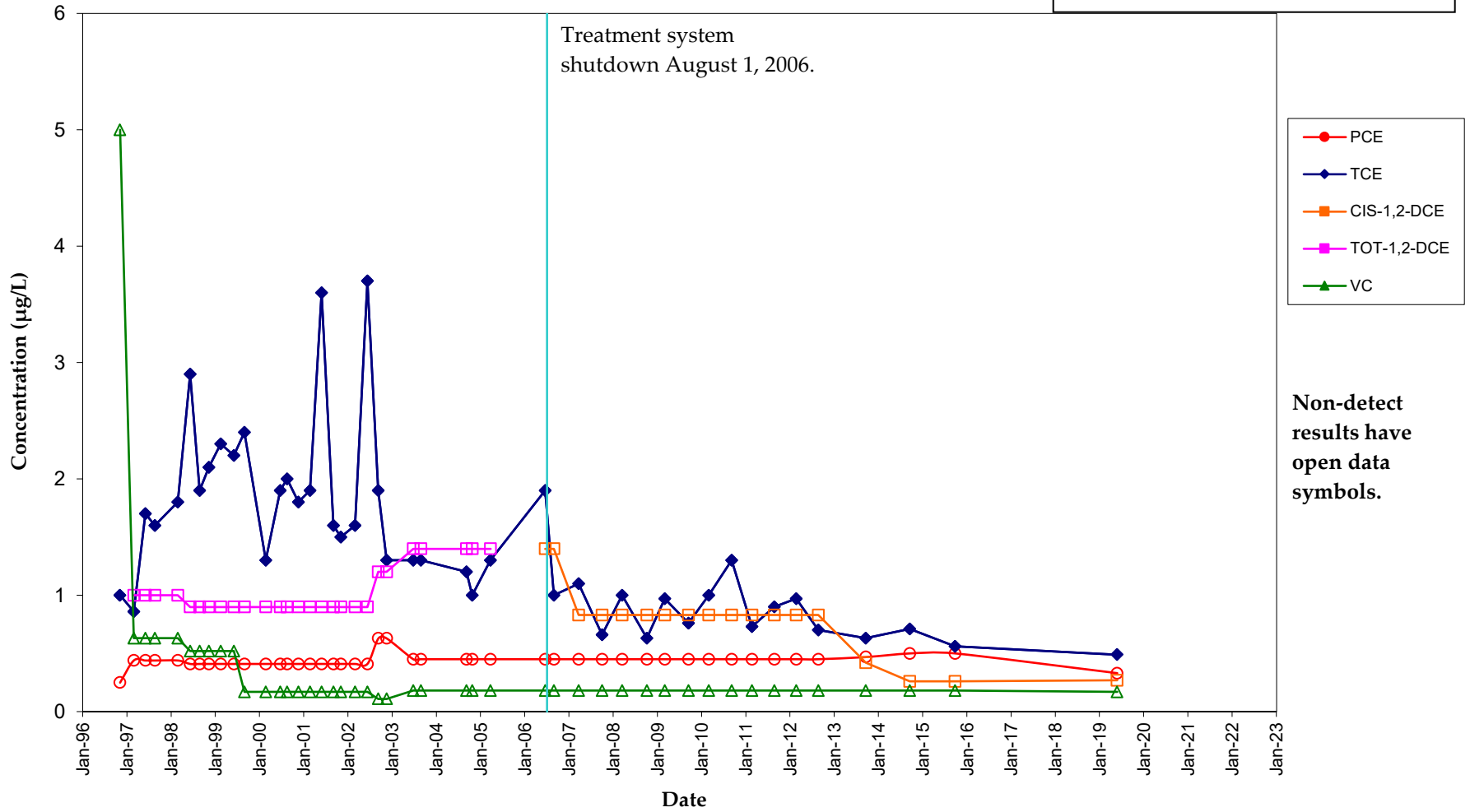
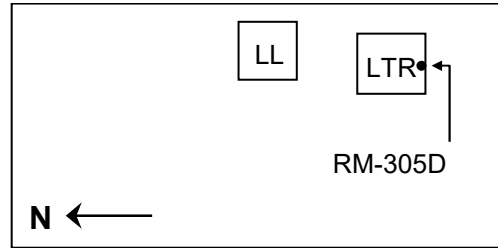




# RM-304D VOC Concentration Trends Lemberger Landfill

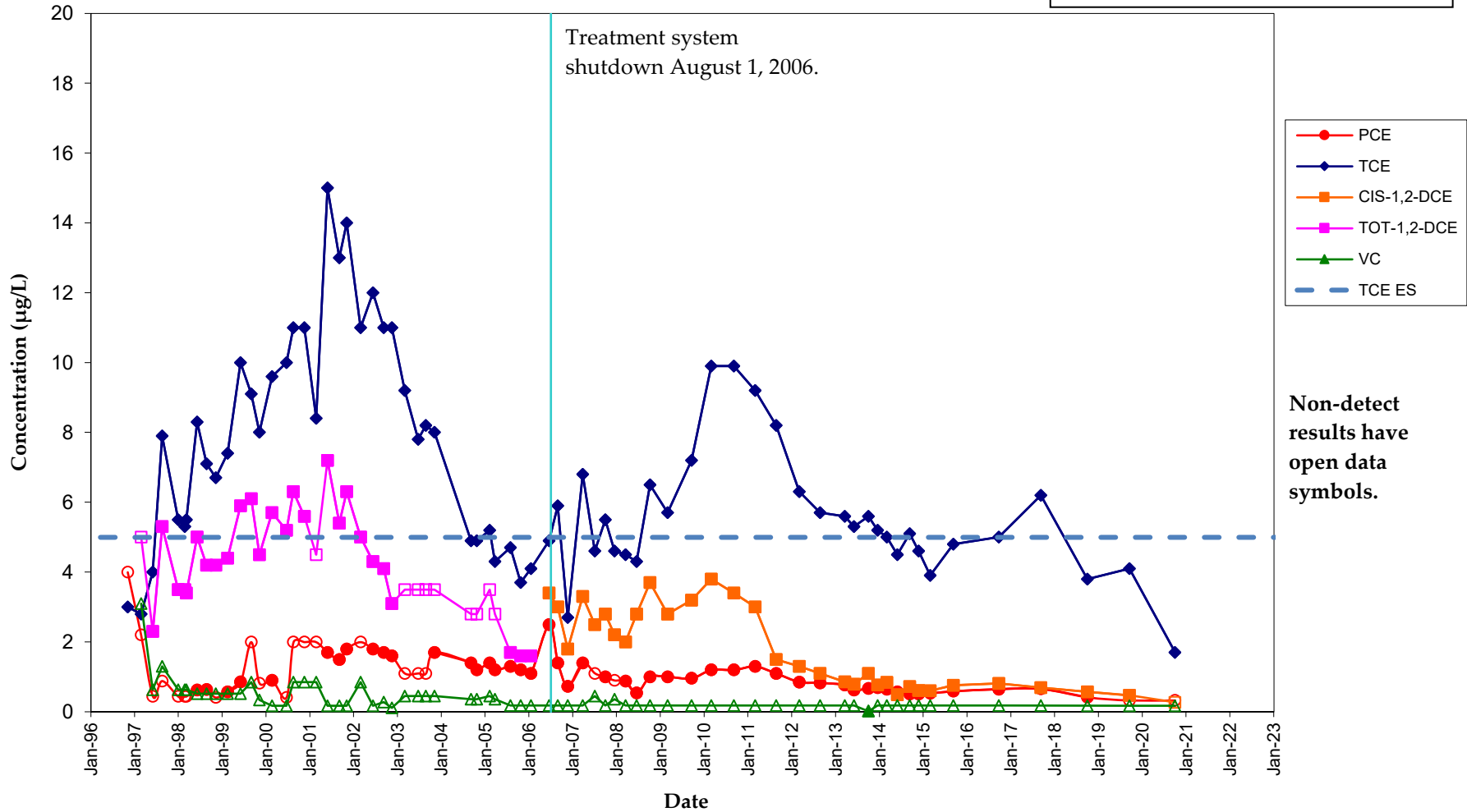
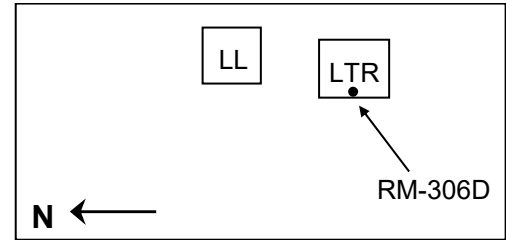


# RM-305D VOC Concentration Trends Lemberger Landfill

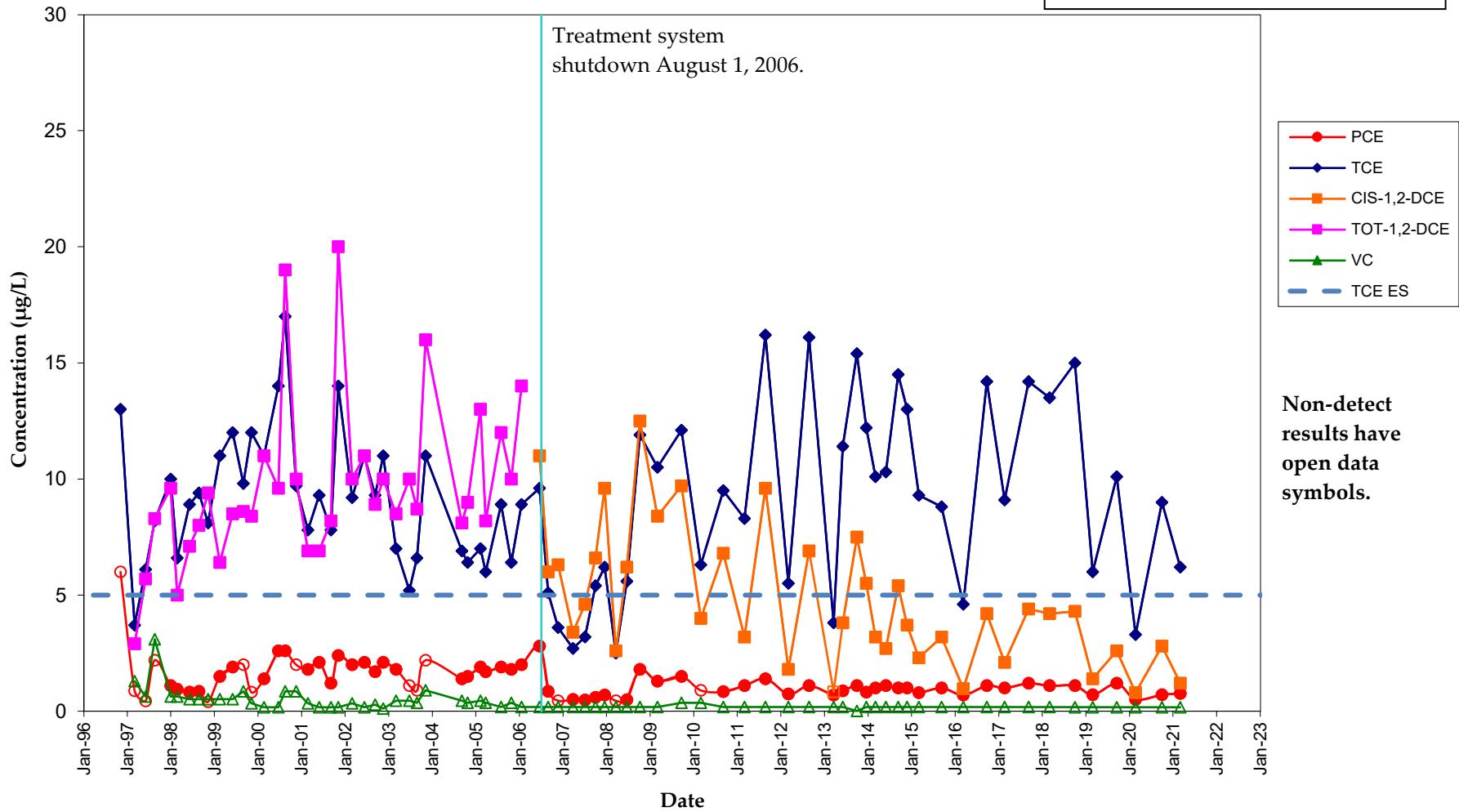
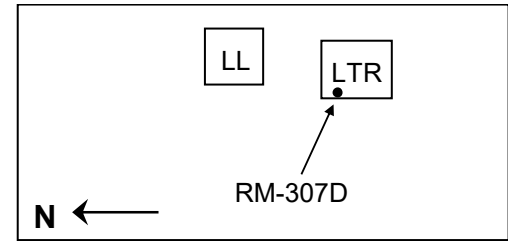


Non-detect results have open data symbols.

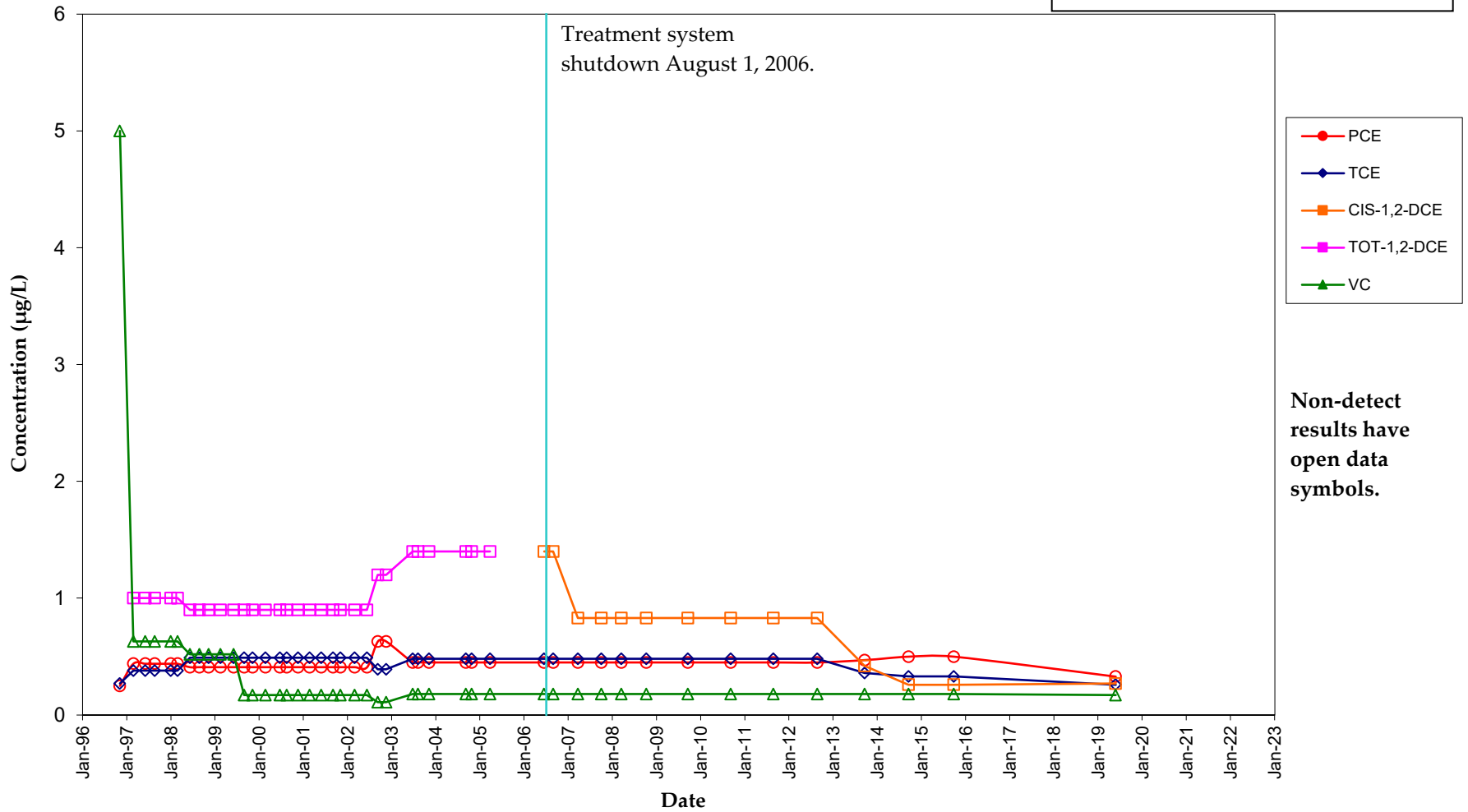
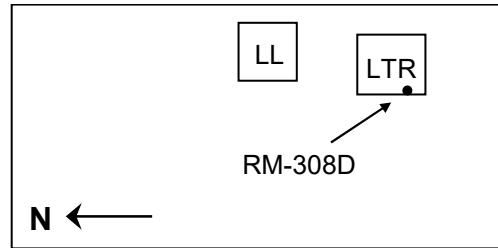
# RM-306D VOC Concentration Trends Lemberger Landfill



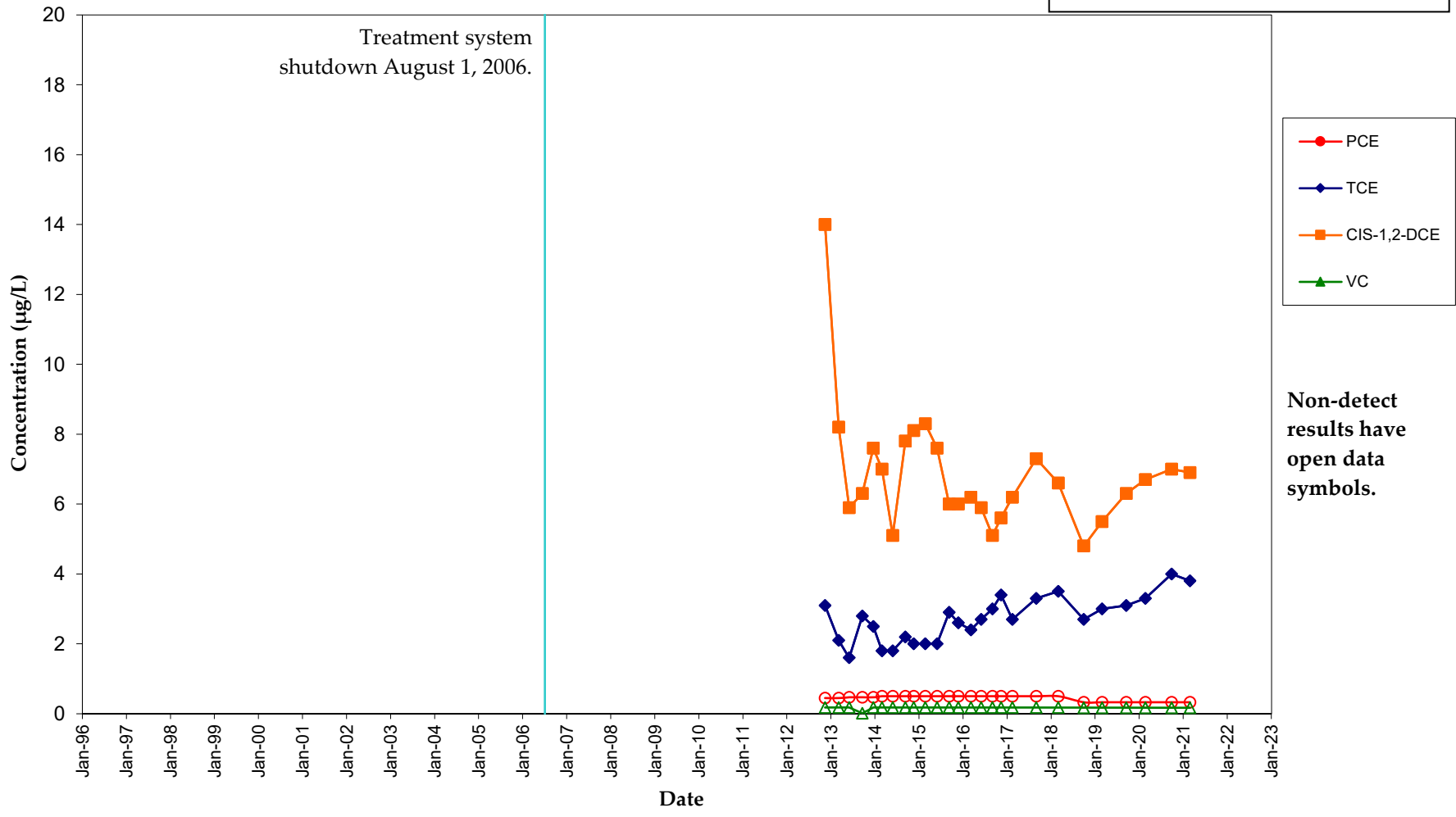
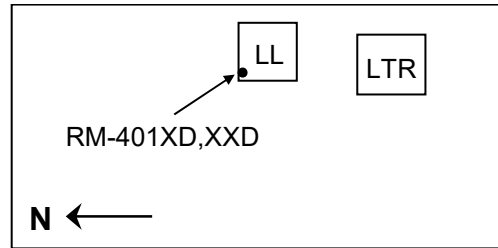
# RM-307D VOC Concentration Trends Lemberger Landfill



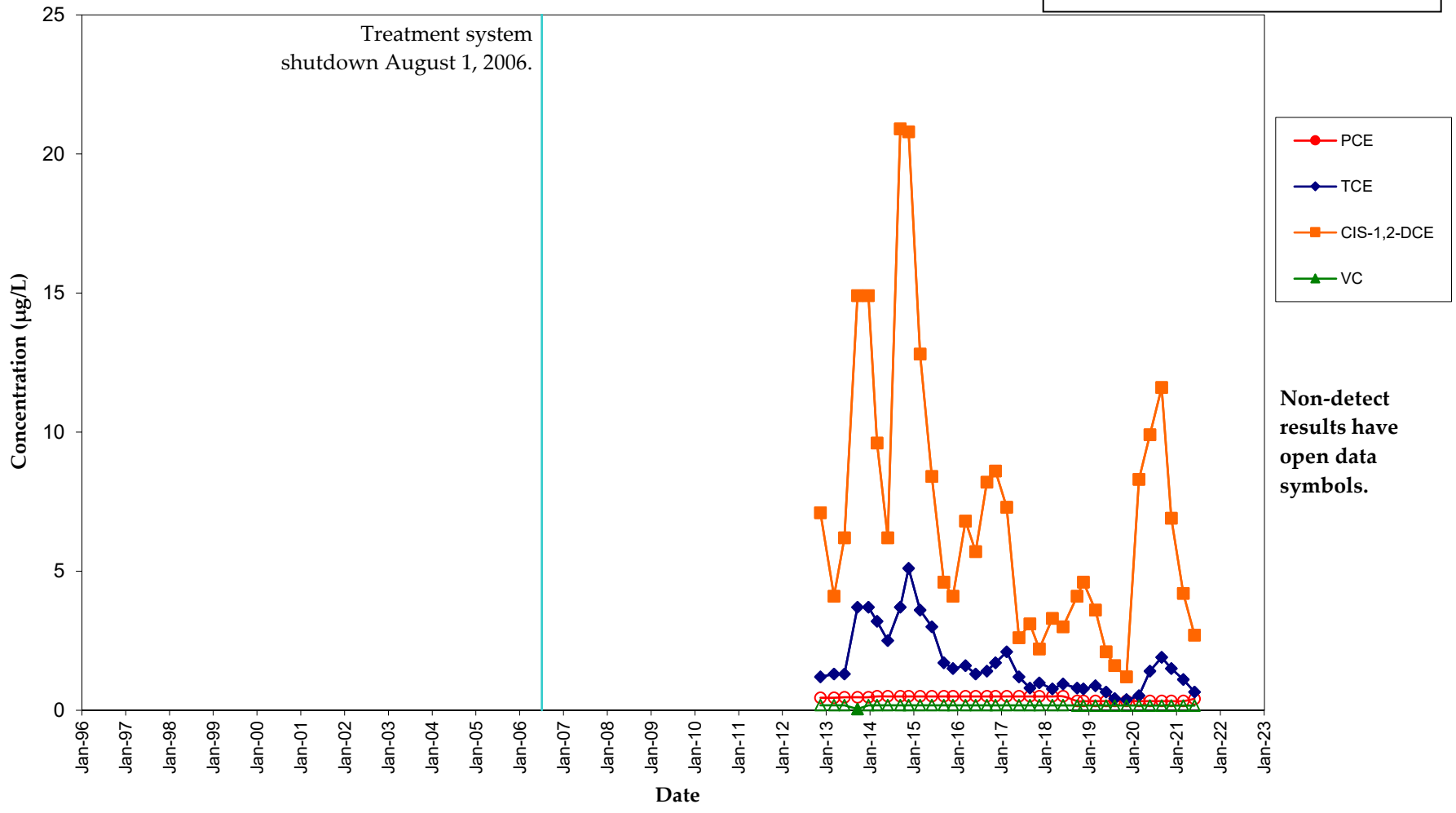
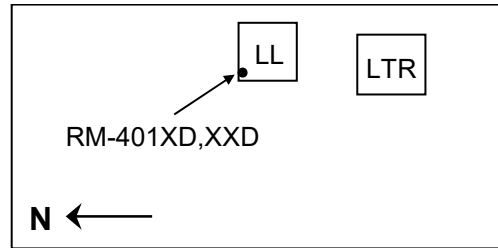
# RM-308D VOC Concentration Trends Lemberger Landfill



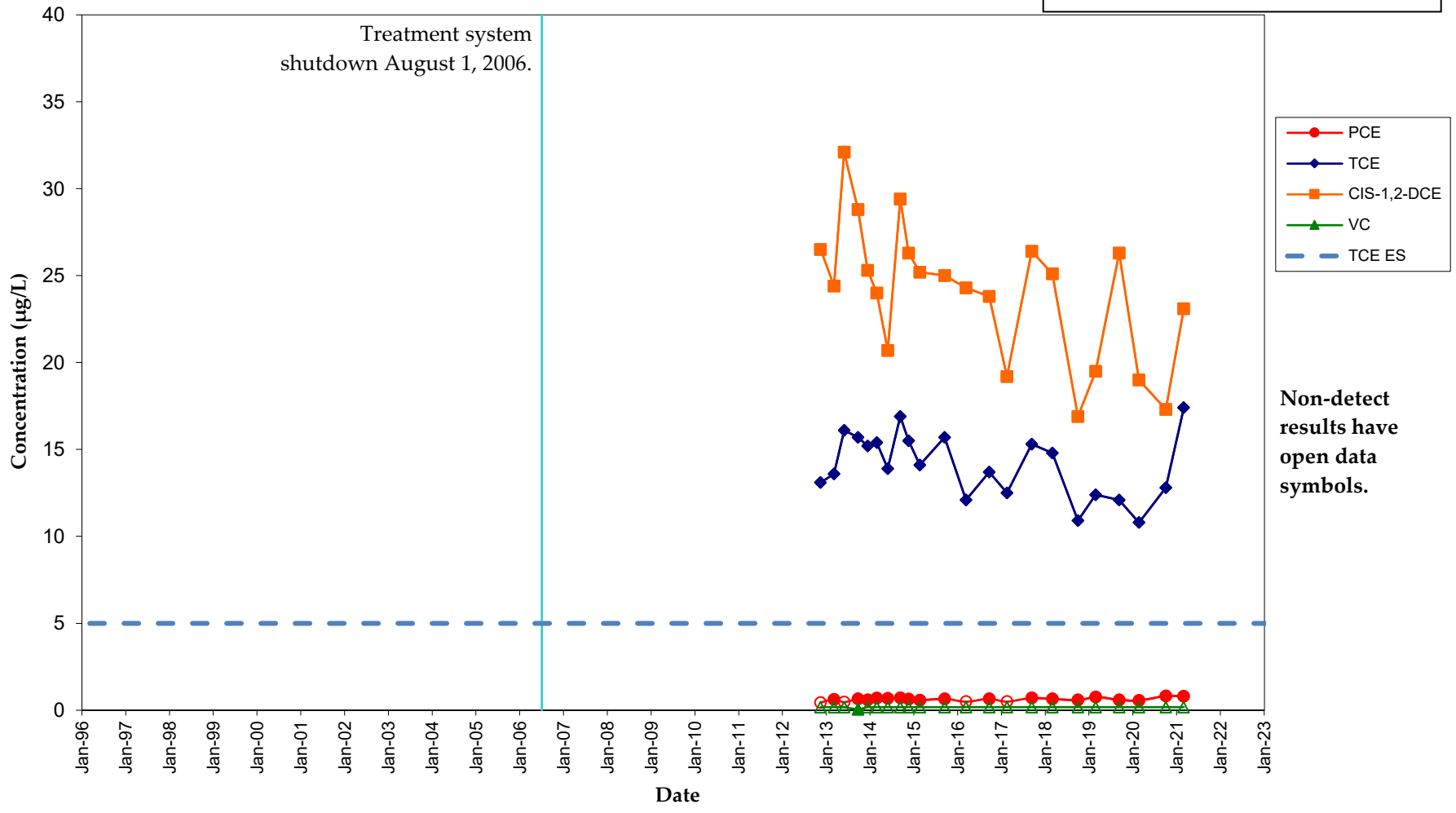
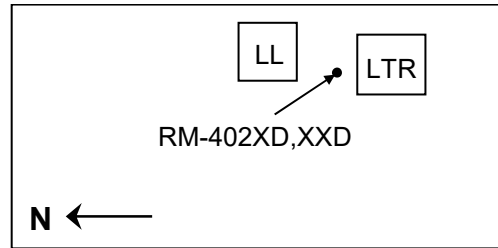
## RM-401XD VOC Concentration Trends Lemberger Landfill



# RM-401XXD VOC Concentration Trends Lemberger Landfill

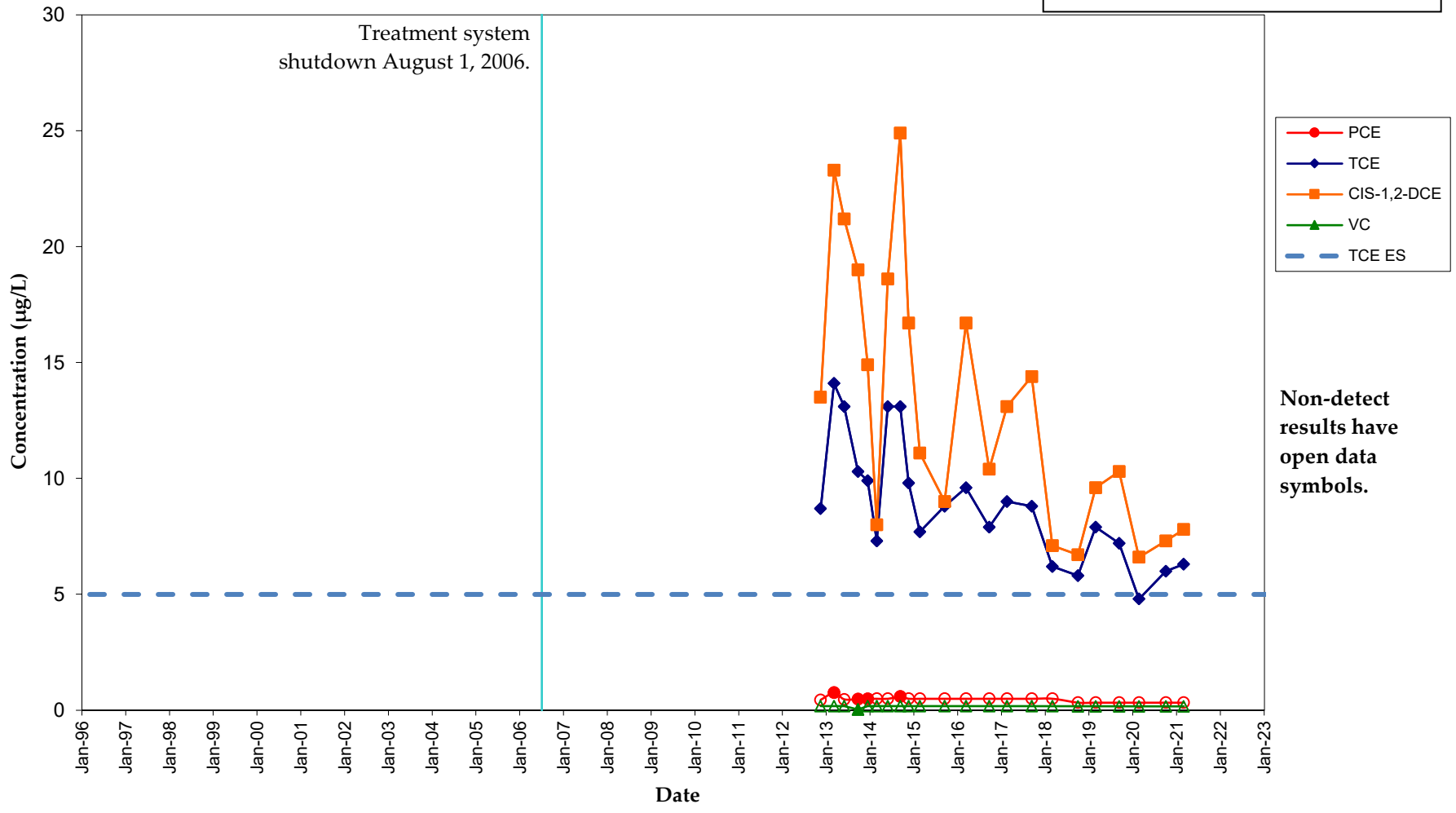
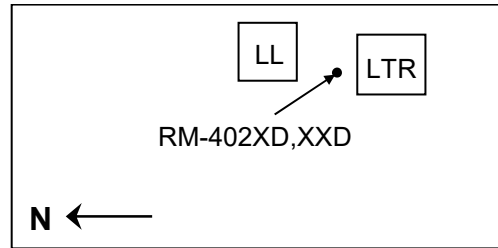


# RM-402XD VOC Concentration Trends Lemberger Landfill

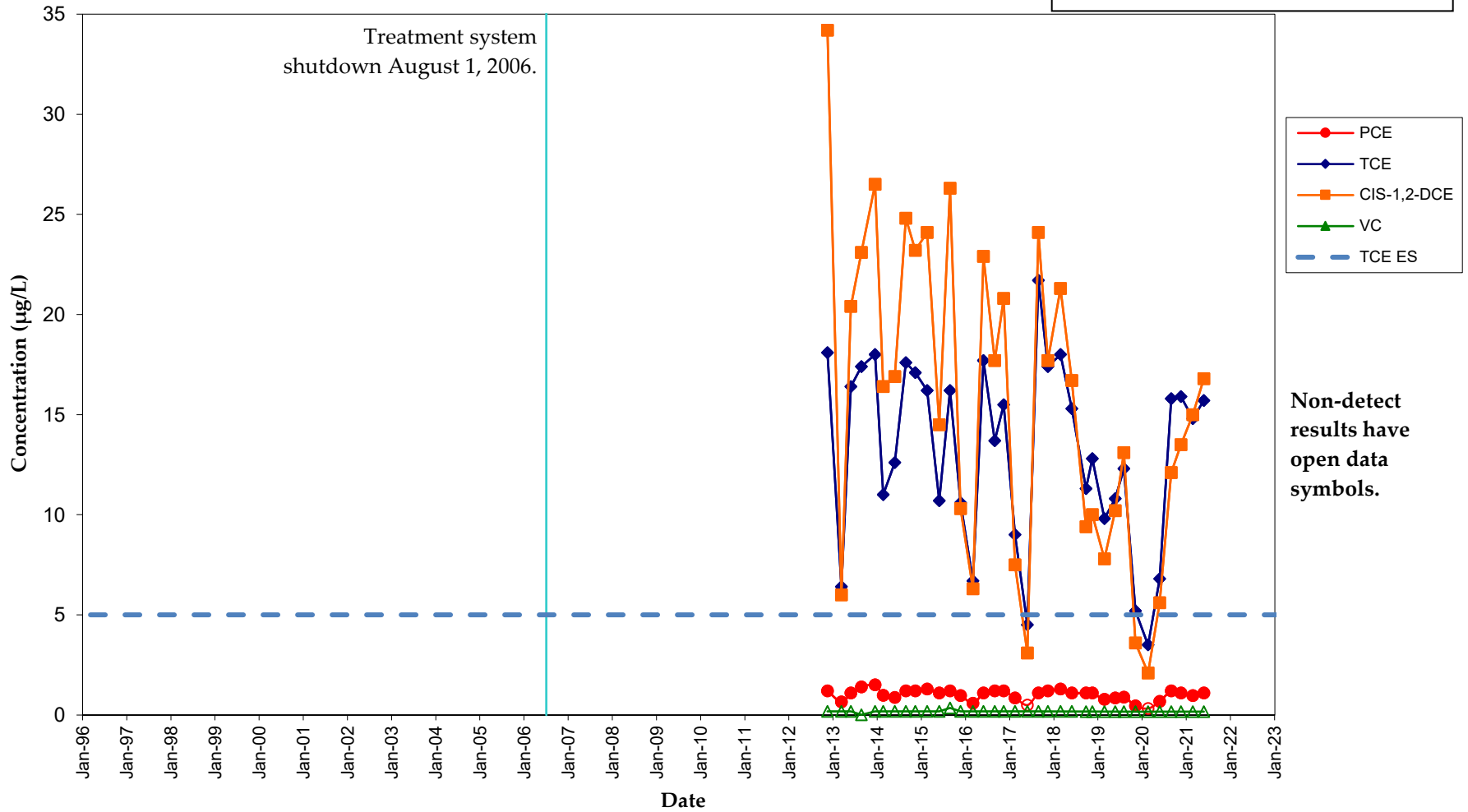
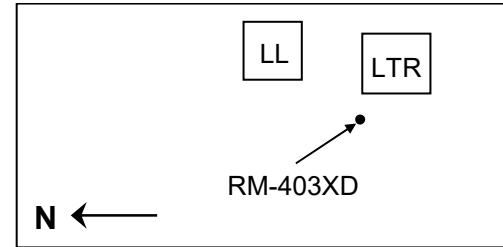




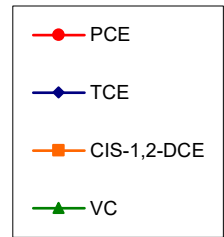
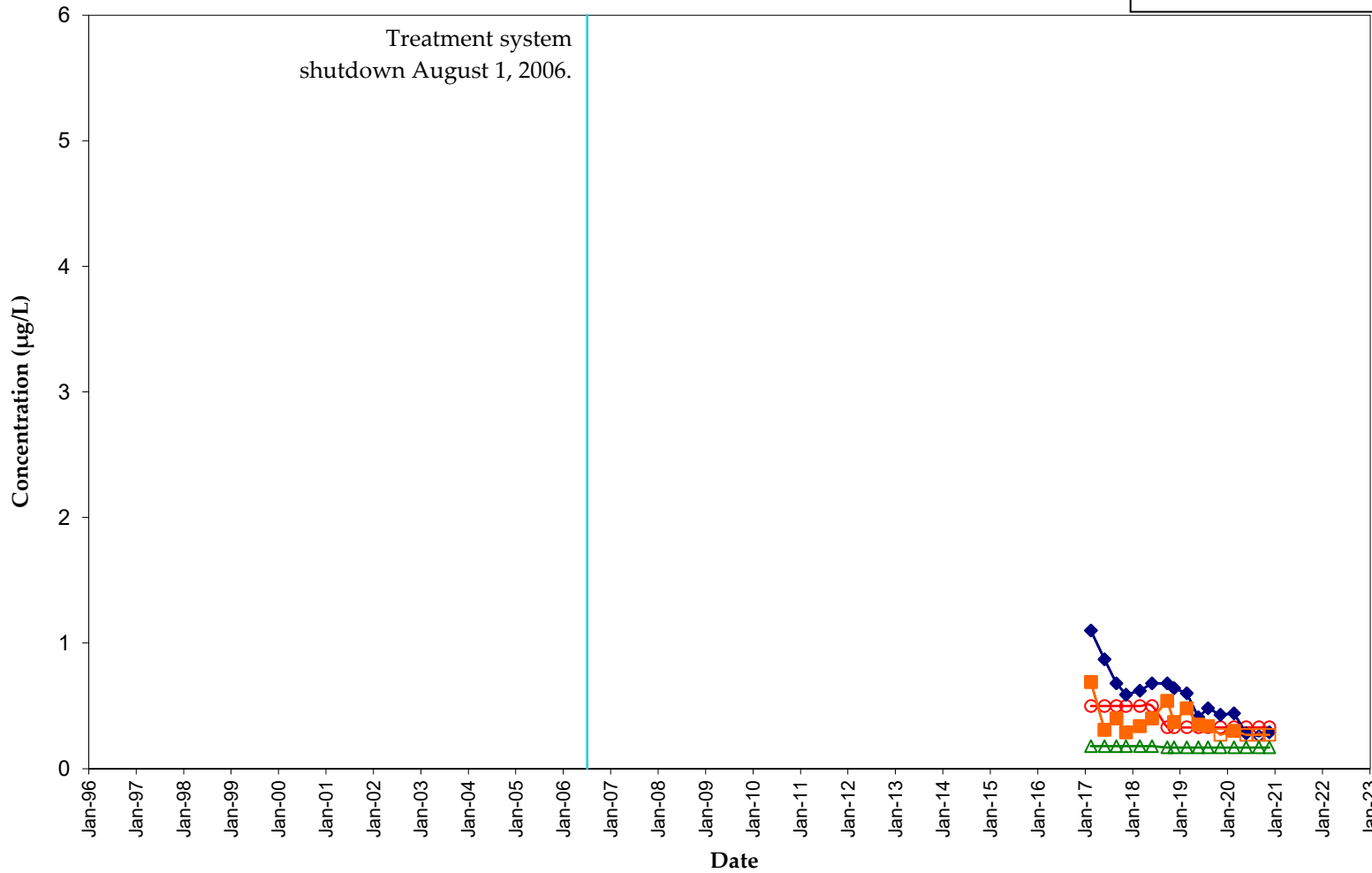
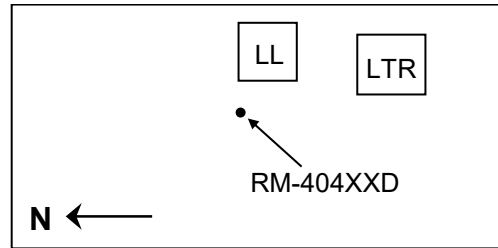
# RM-402XXD VOC Concentration Trends Lemberger Landfill



# RM-403XD VOC Concentration Trends Lemberger Landfill

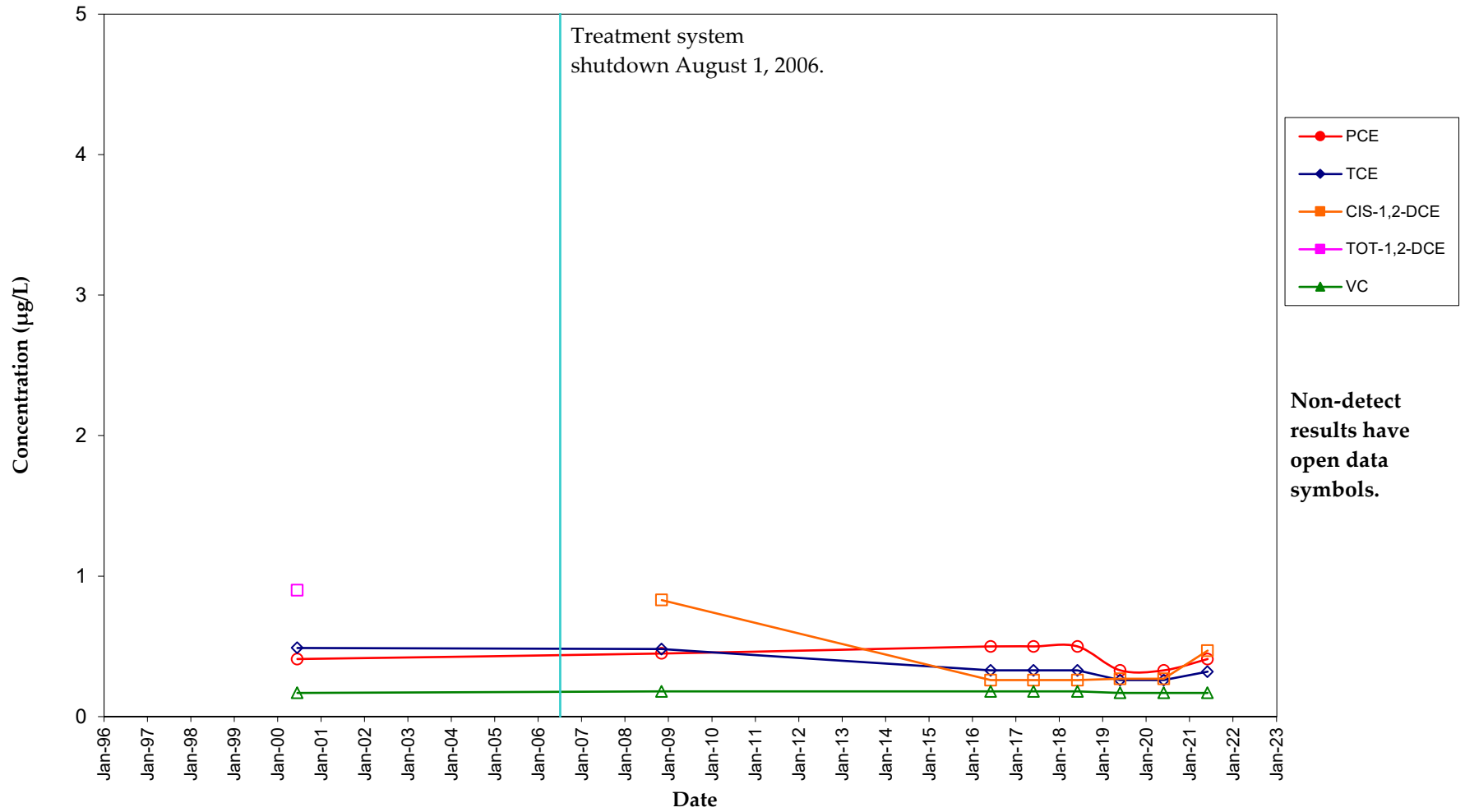


## RM-404XXD VOC Concentration Trends Lemberger Landfill

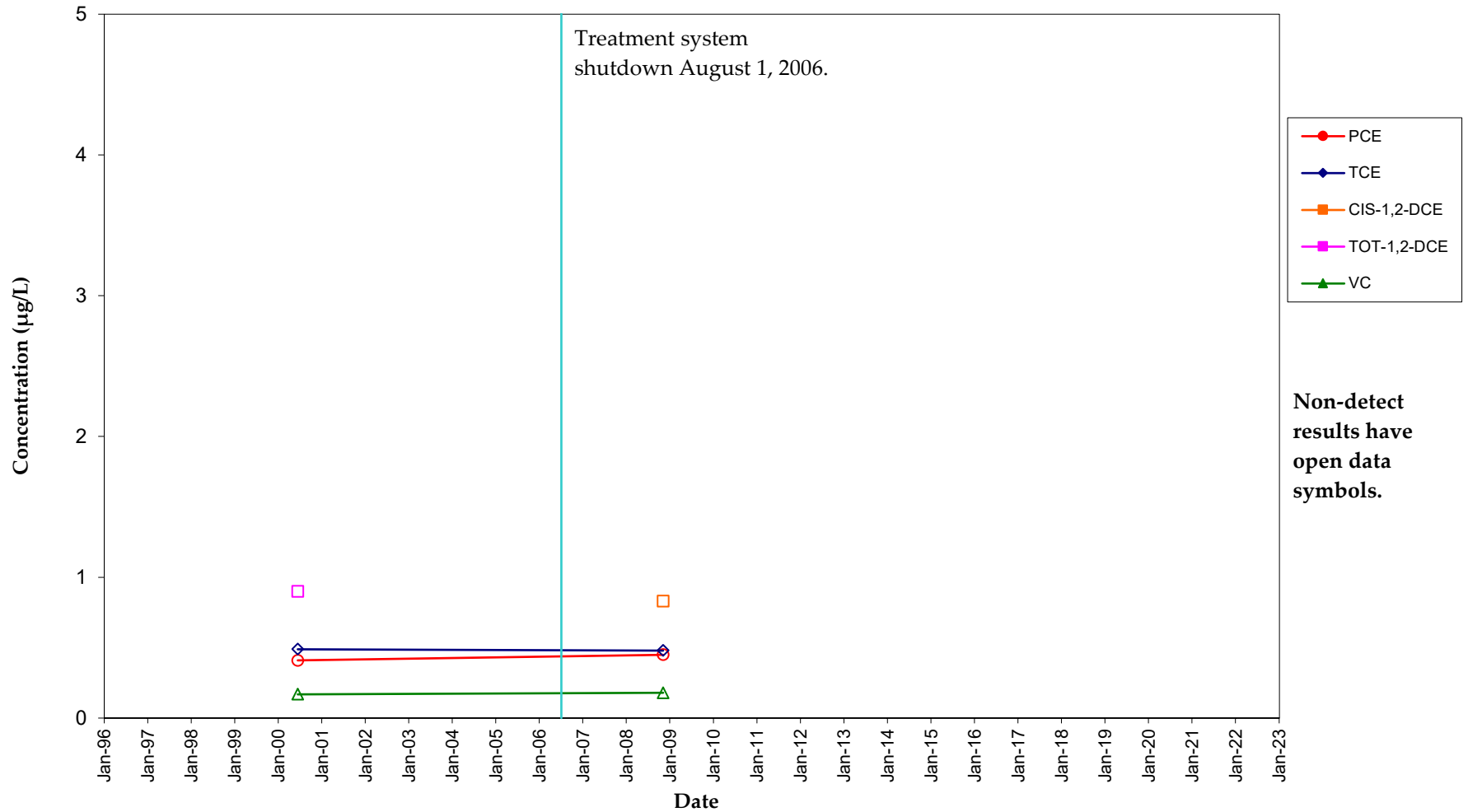


**Non-detect  
results have  
open data  
symbols.**

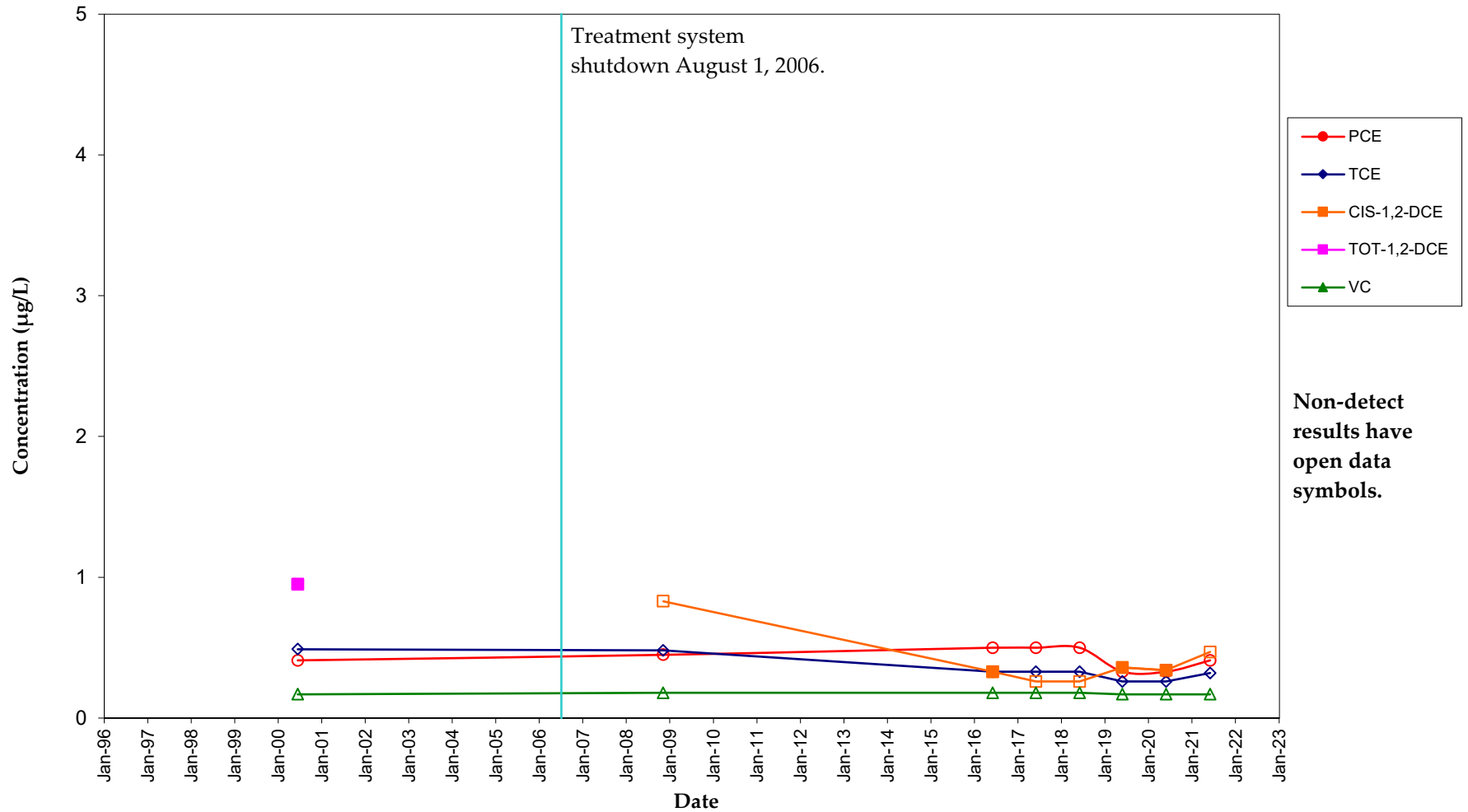
# LH-01 VOC Concentration Trends Lemberger Landfill



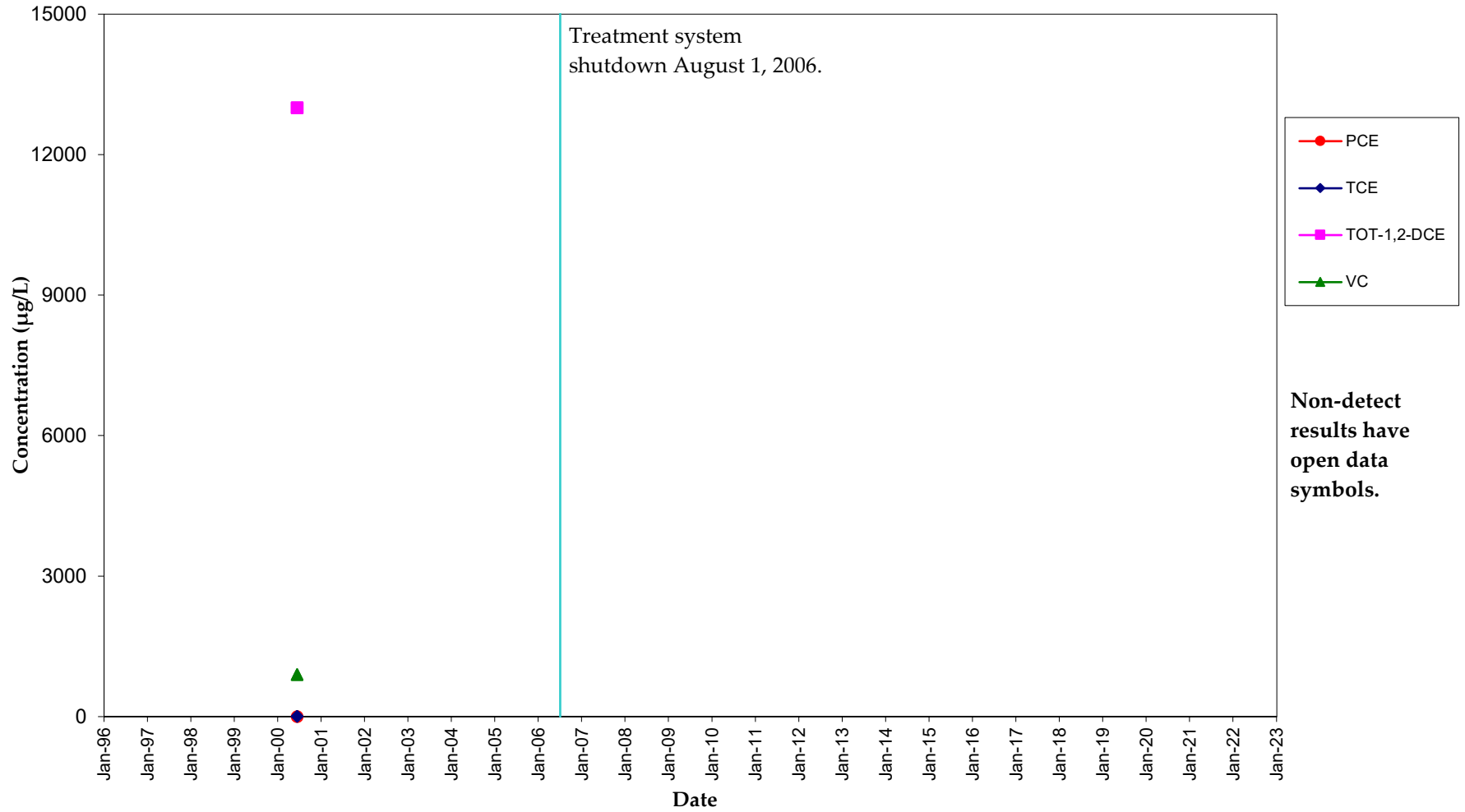
# LH-02B VOC Concentration Trends Lemberger Landfill



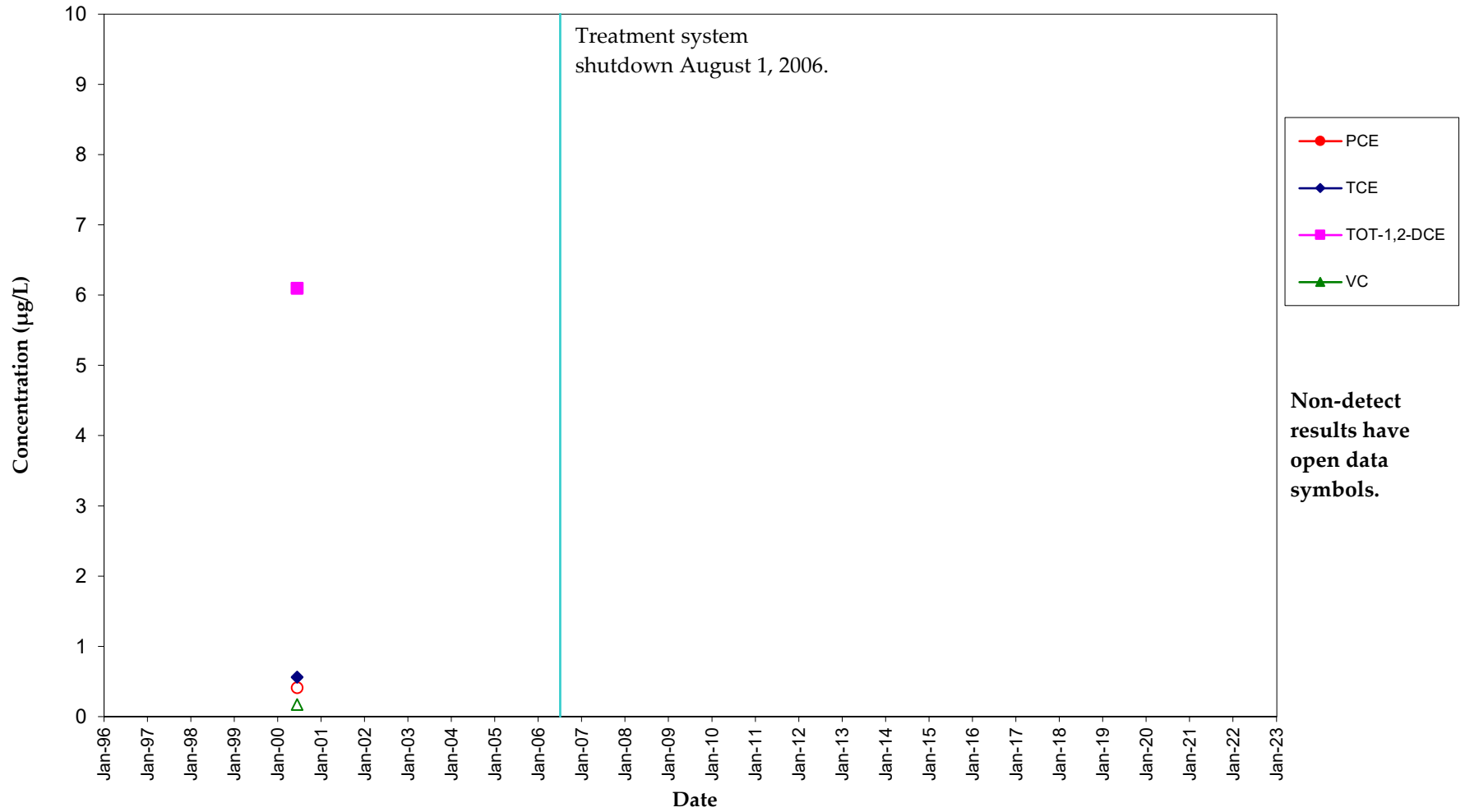
## LH-03 VOC Concentration Trends Lemberger Landfill



# LH-04 VOC Concentration Trends Lemberger Landfill

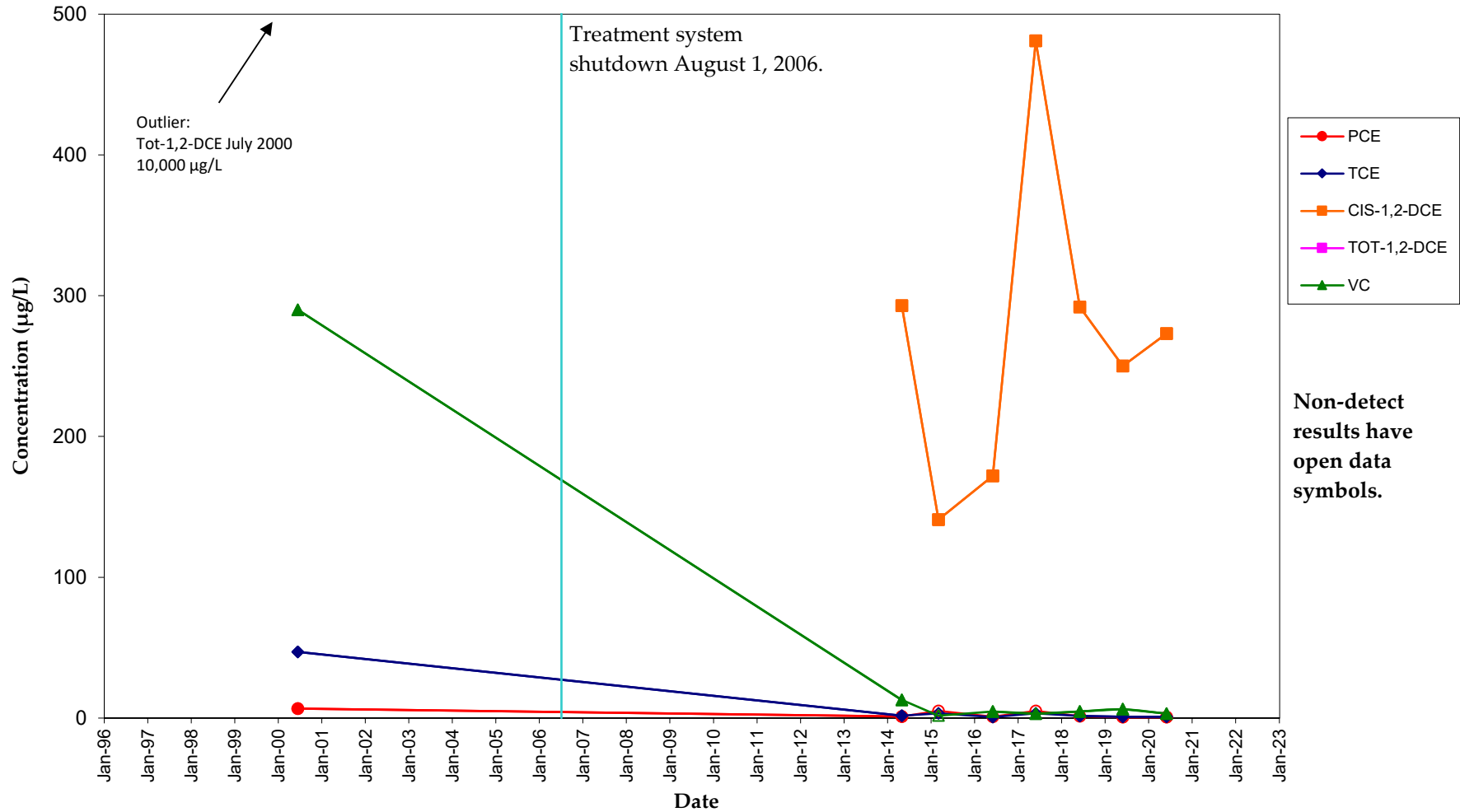


# LH-05 VOC Concentration Trends Lemberger Landfill

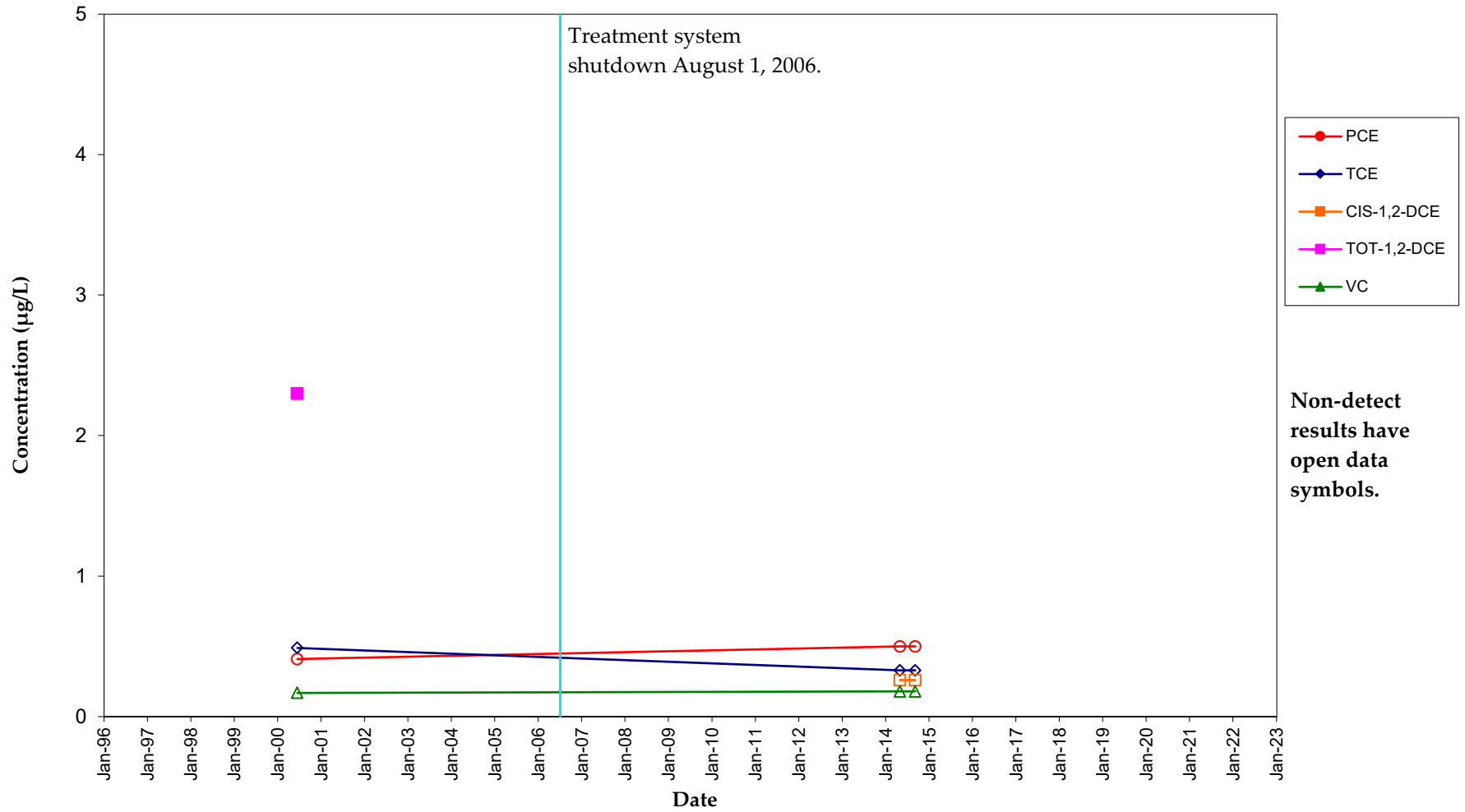




## LH-06 VOC Concentration Trends Lemberger Landfill

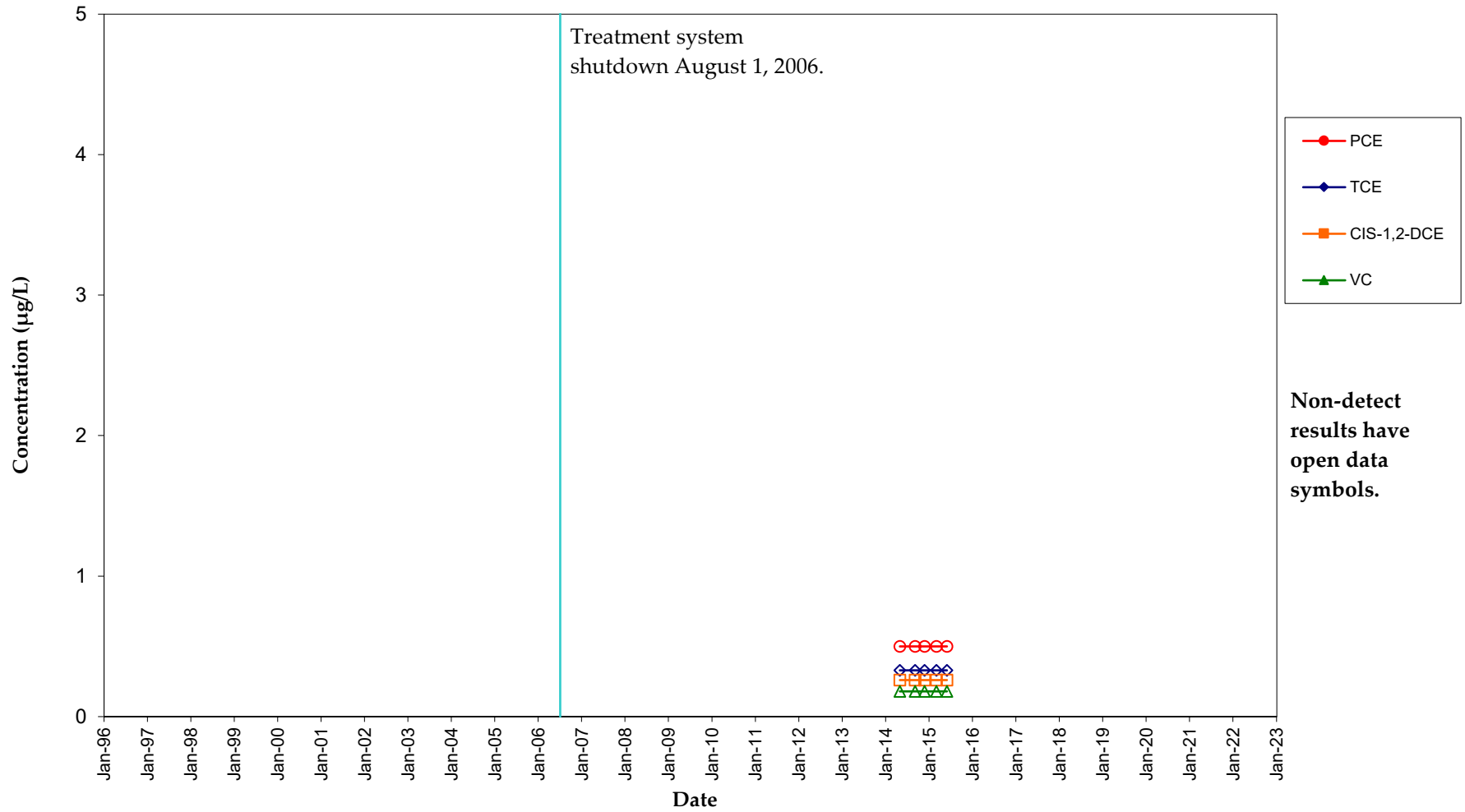


# LH-07 VOC Concentration Trends Lemberger Landfill

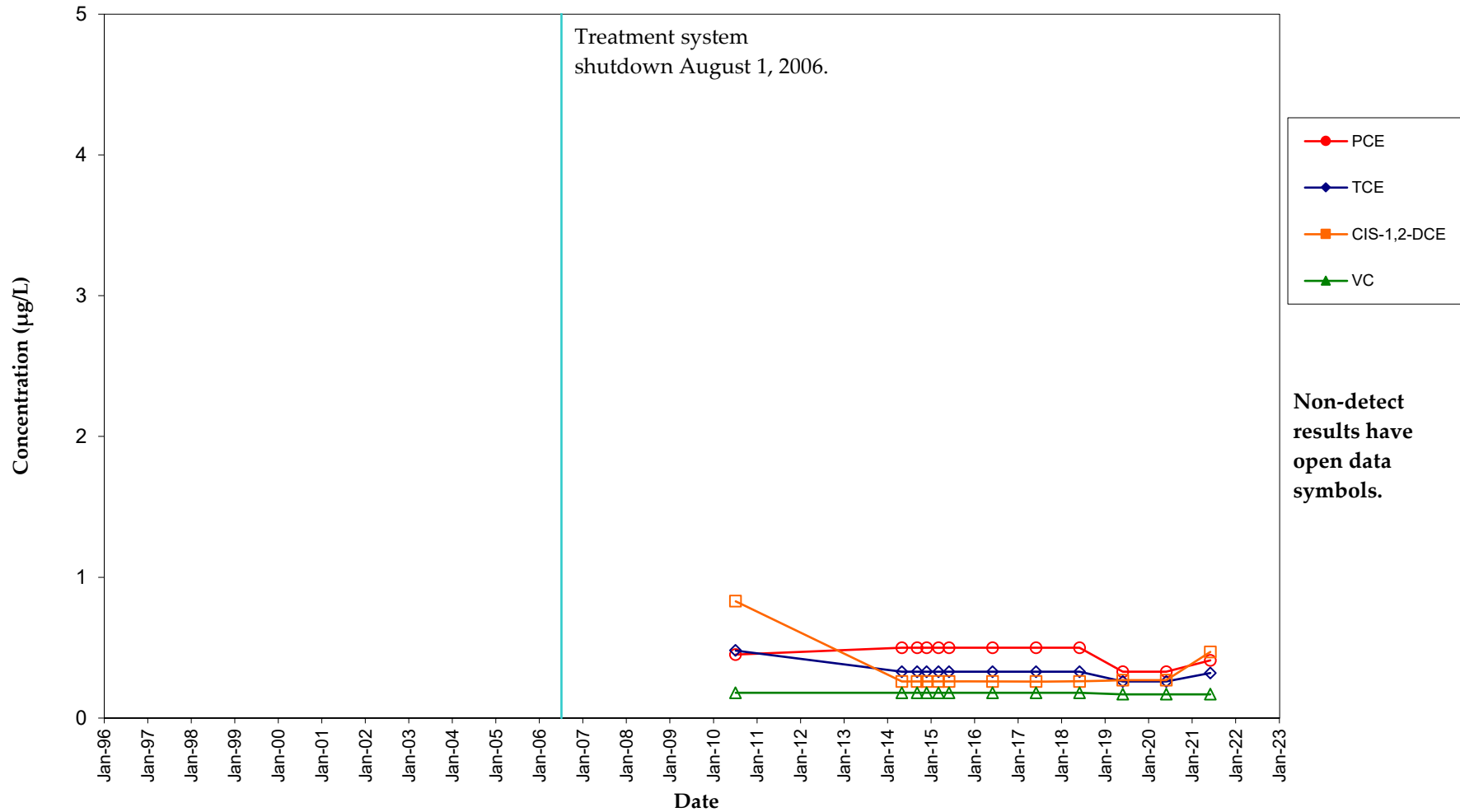


Non-detect results have open data symbols.

# LW-01 VOC Concentration Trends Lemberger Landfill

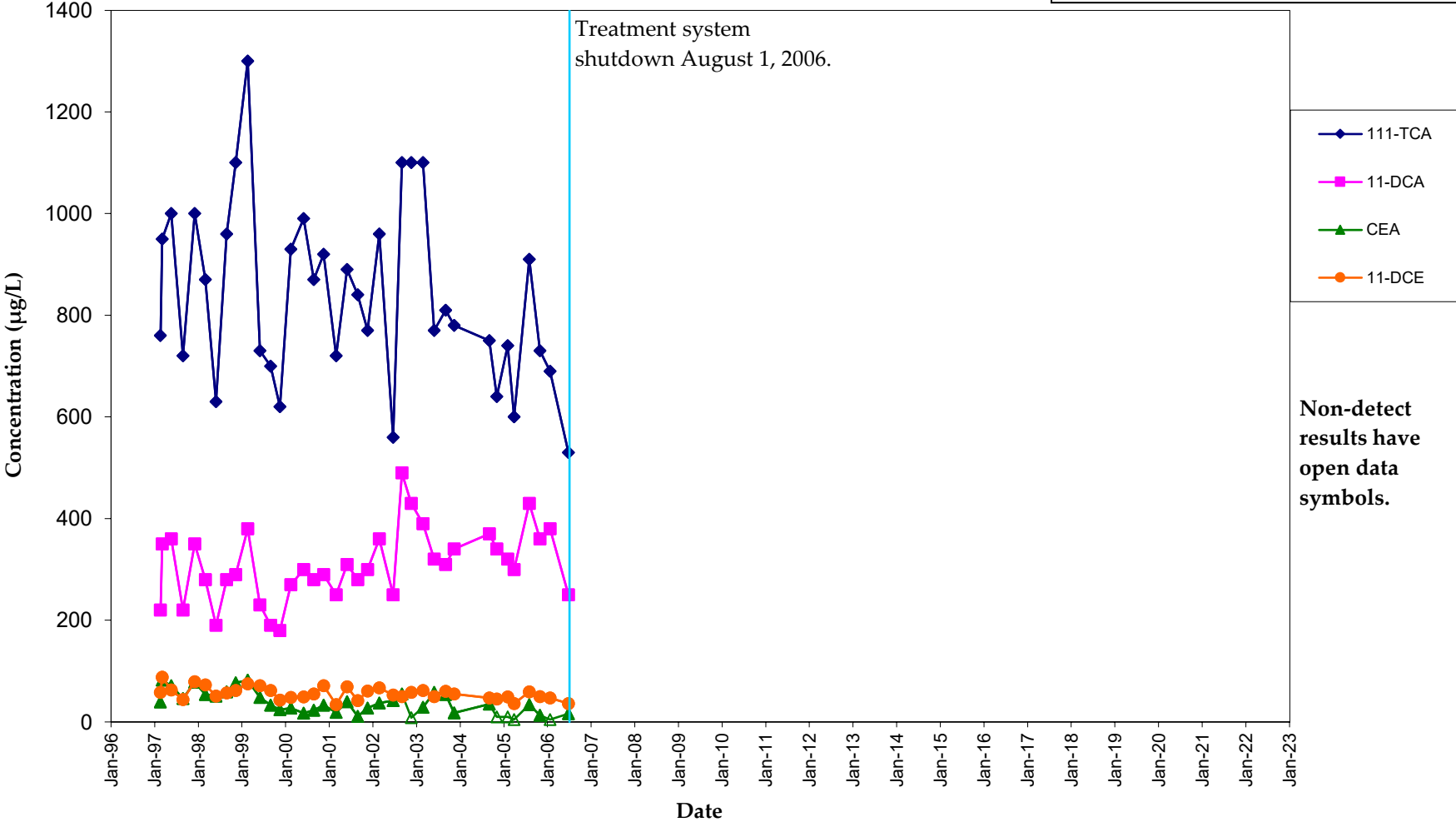
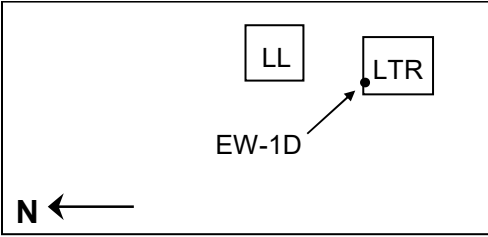


## LW-07 VOC Concentration Trends Lemberger Landfill



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

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



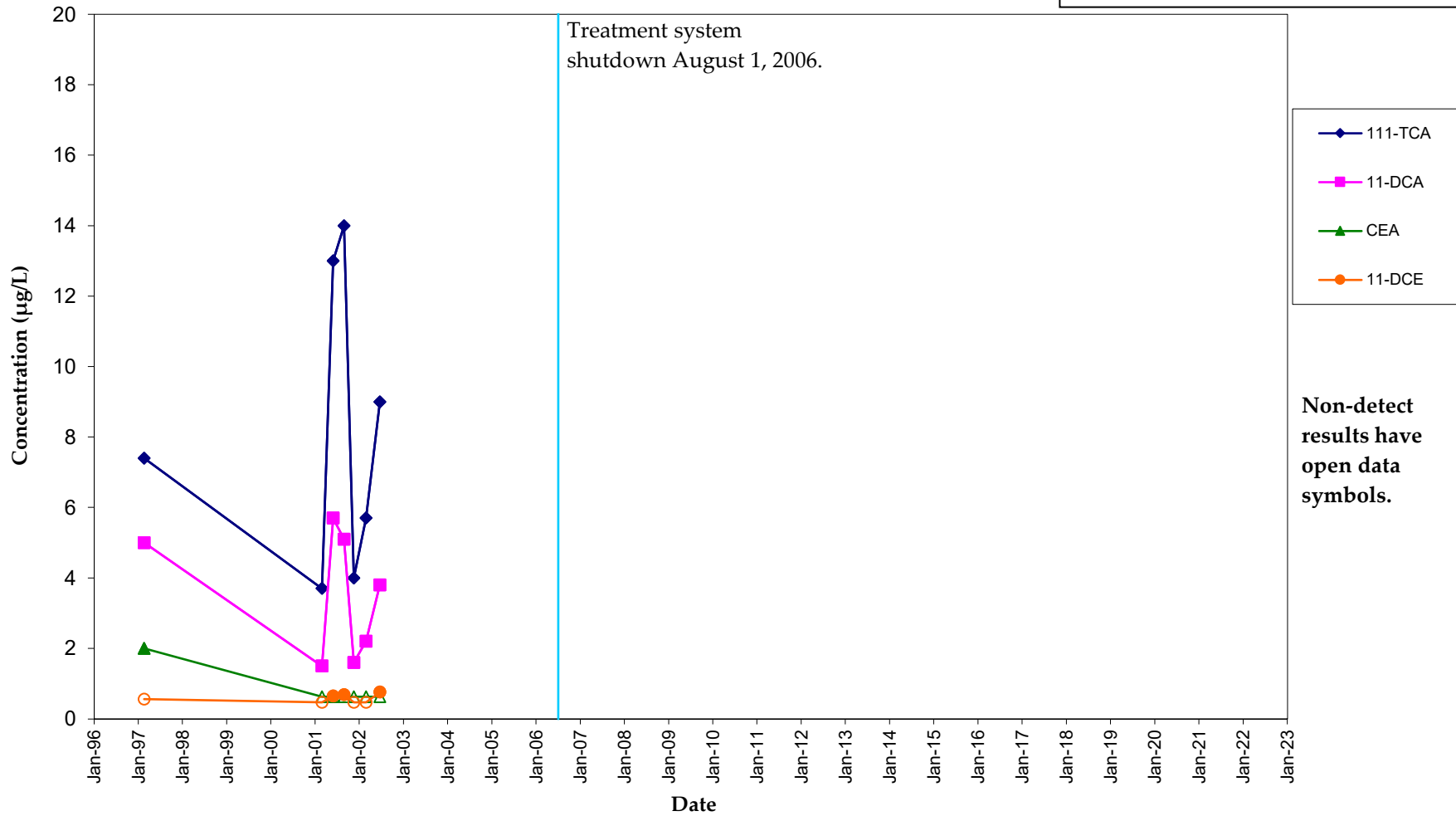
**EW-02D  
VOC Concentration Trends  
Lemberger Landfill**

LL

LTR

• EW-02D

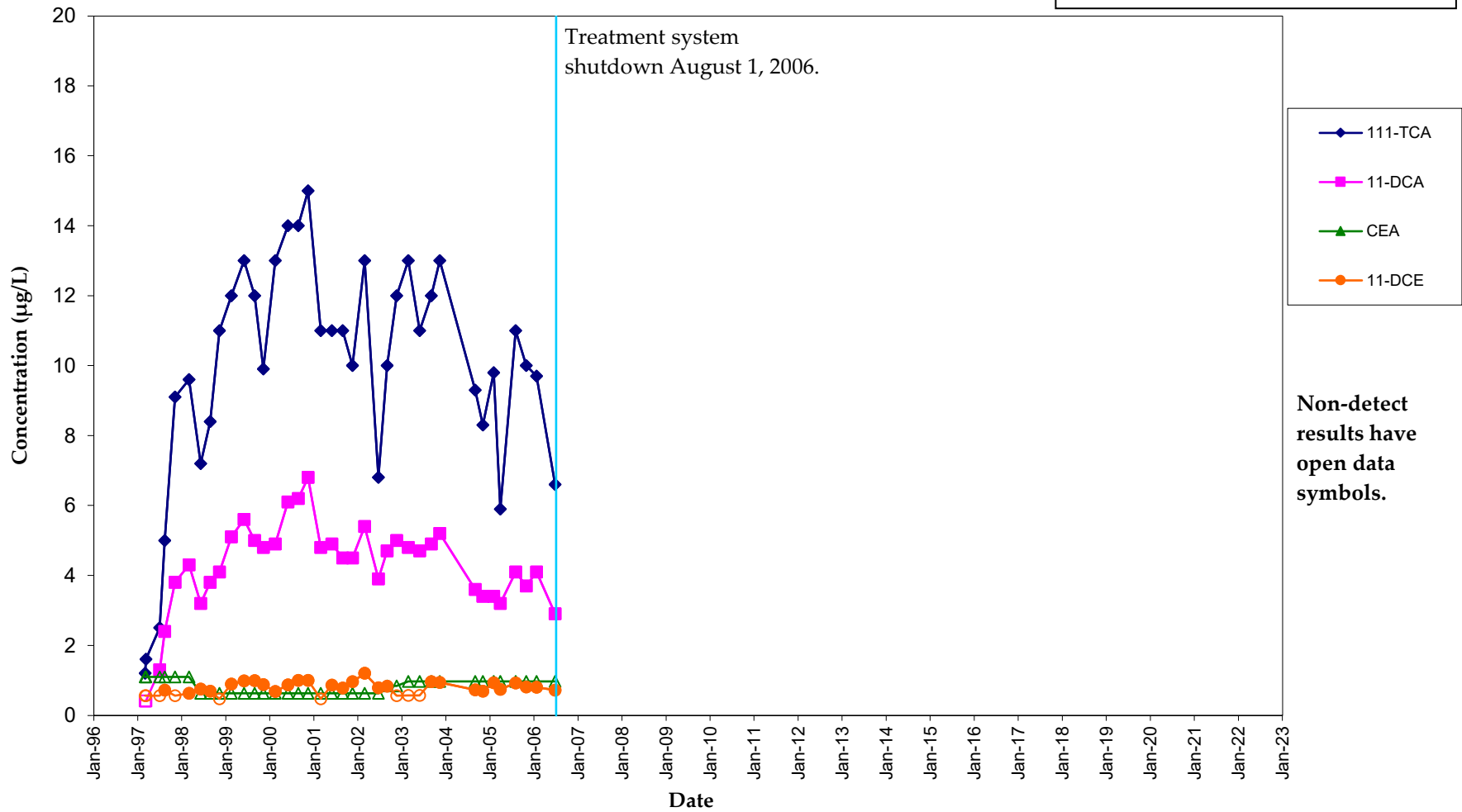
**N** ←



**EW-03D**  
**VOC Concentration Trends**  
**Lemberger Landfill**

● EW-3D      LL      LTR

N ←



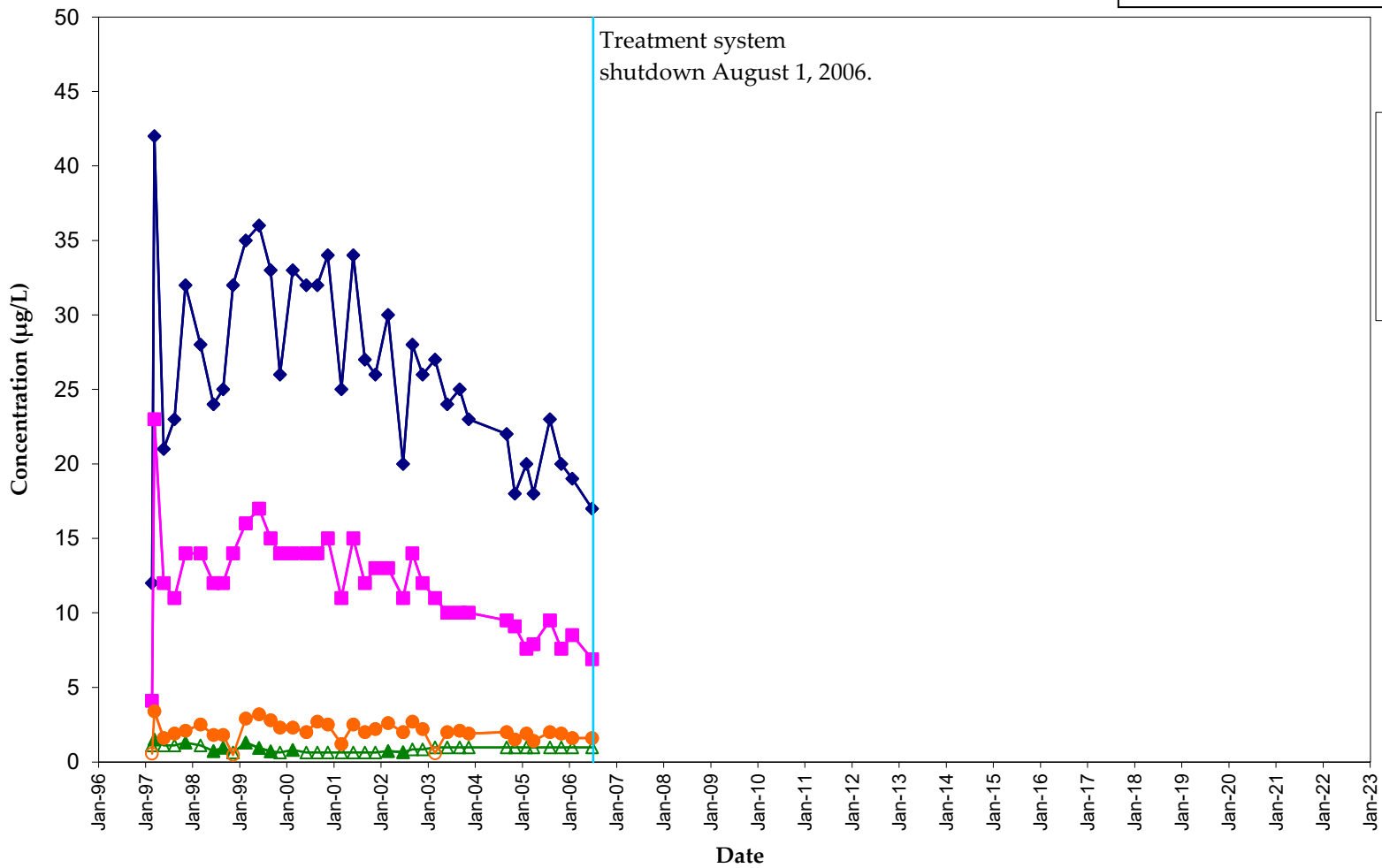


**EW-04D  
VOC Concentration Trends  
Lemberger Landfill**

LL
LTR

● EW-4I, 4D

**N** ←



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

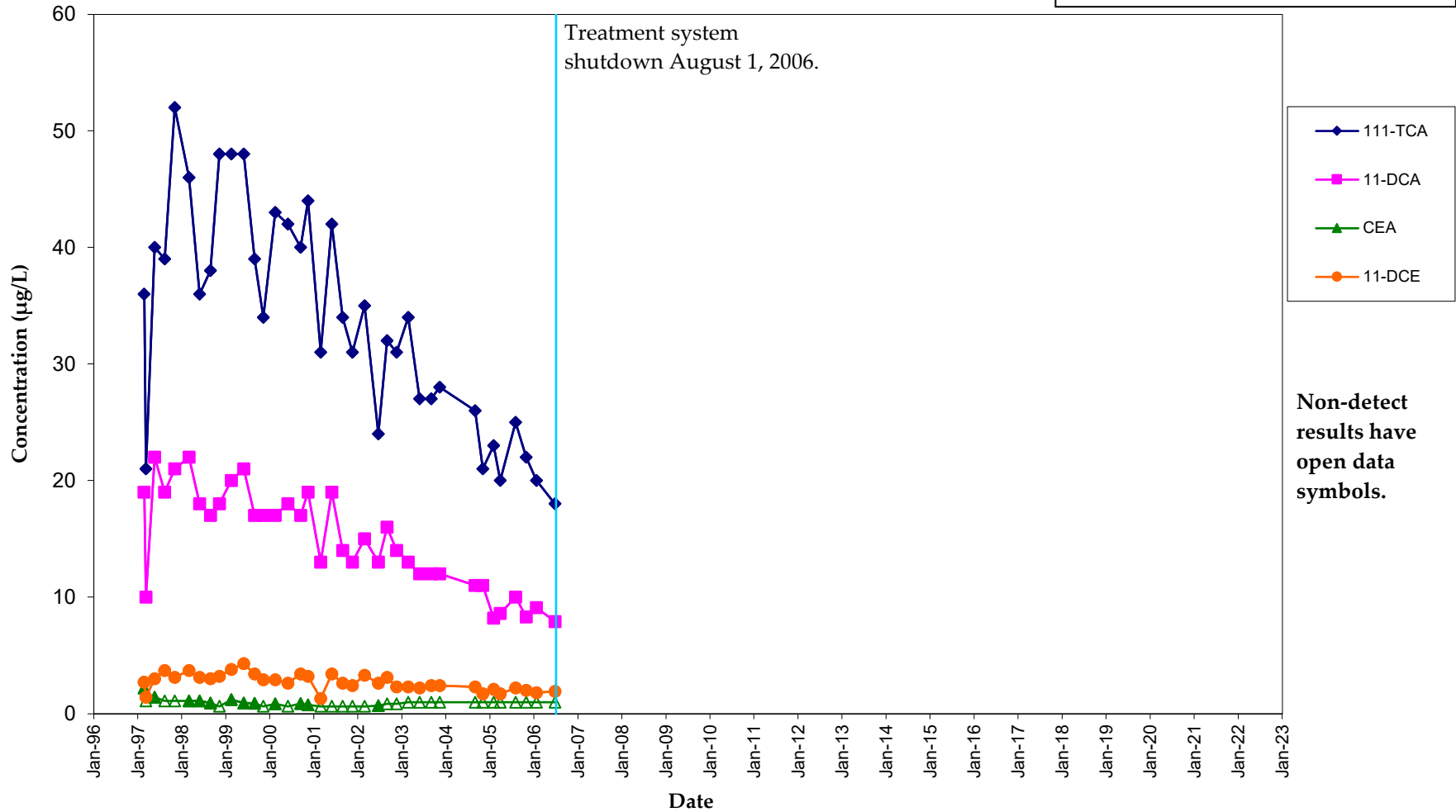
**Non-detect results have open data symbols.**

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

LL      LTR

● EW-4I, 4D

N ←

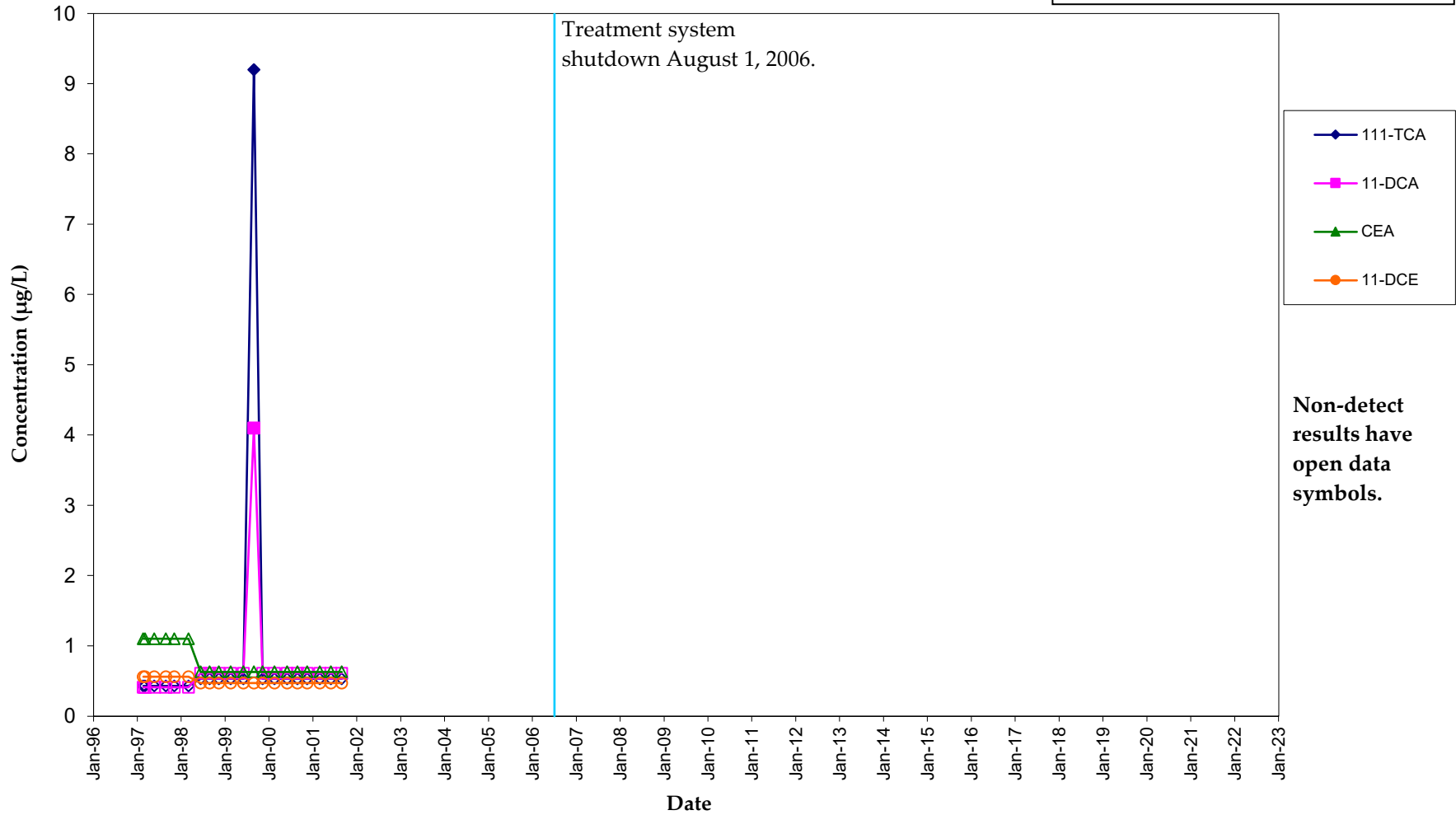


**EW-05I  
VOC Concentration Trends  
Lemberger Landfill**

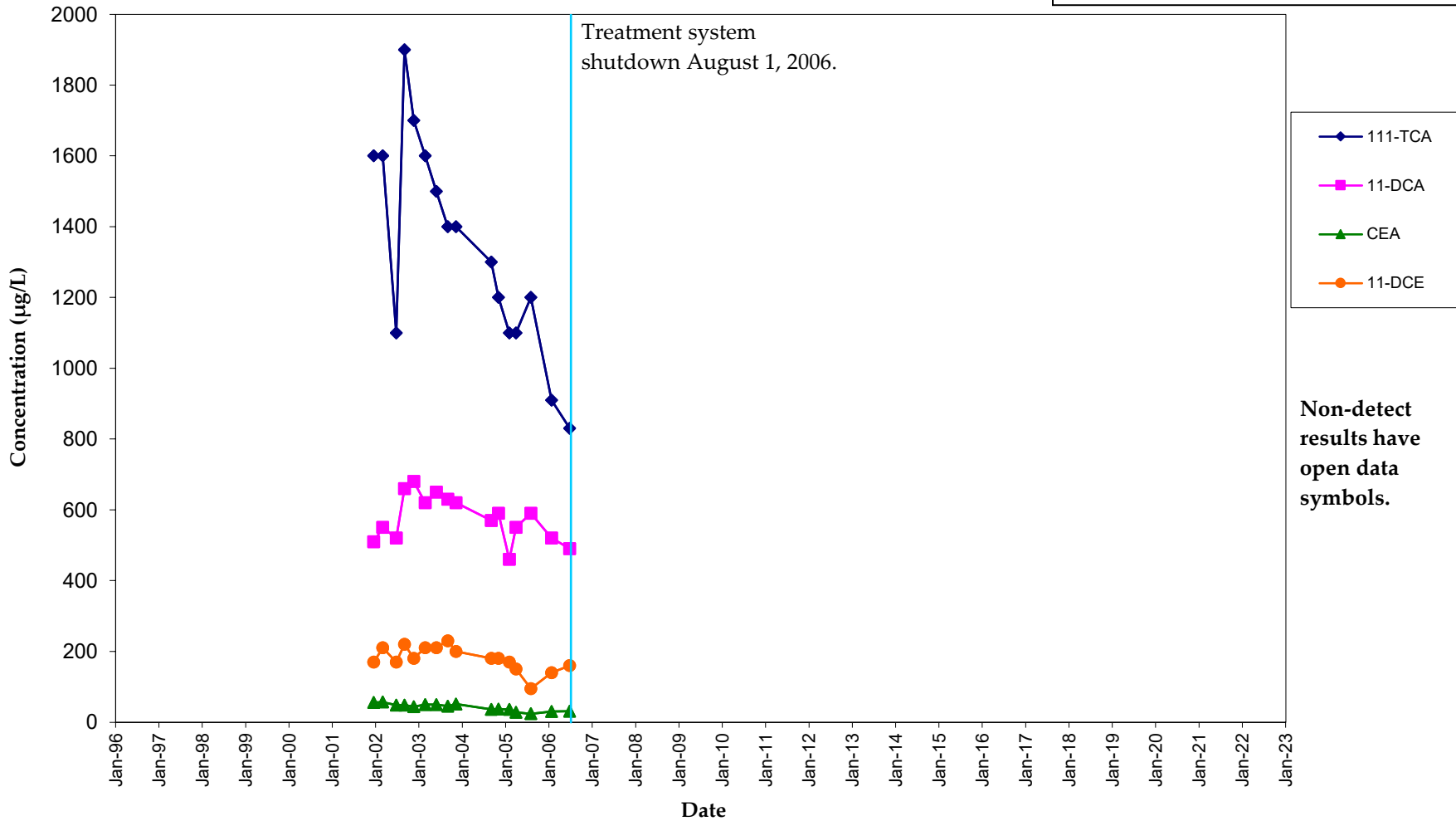
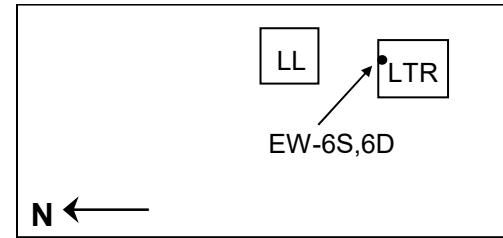
LL      LTR

• EW-5I

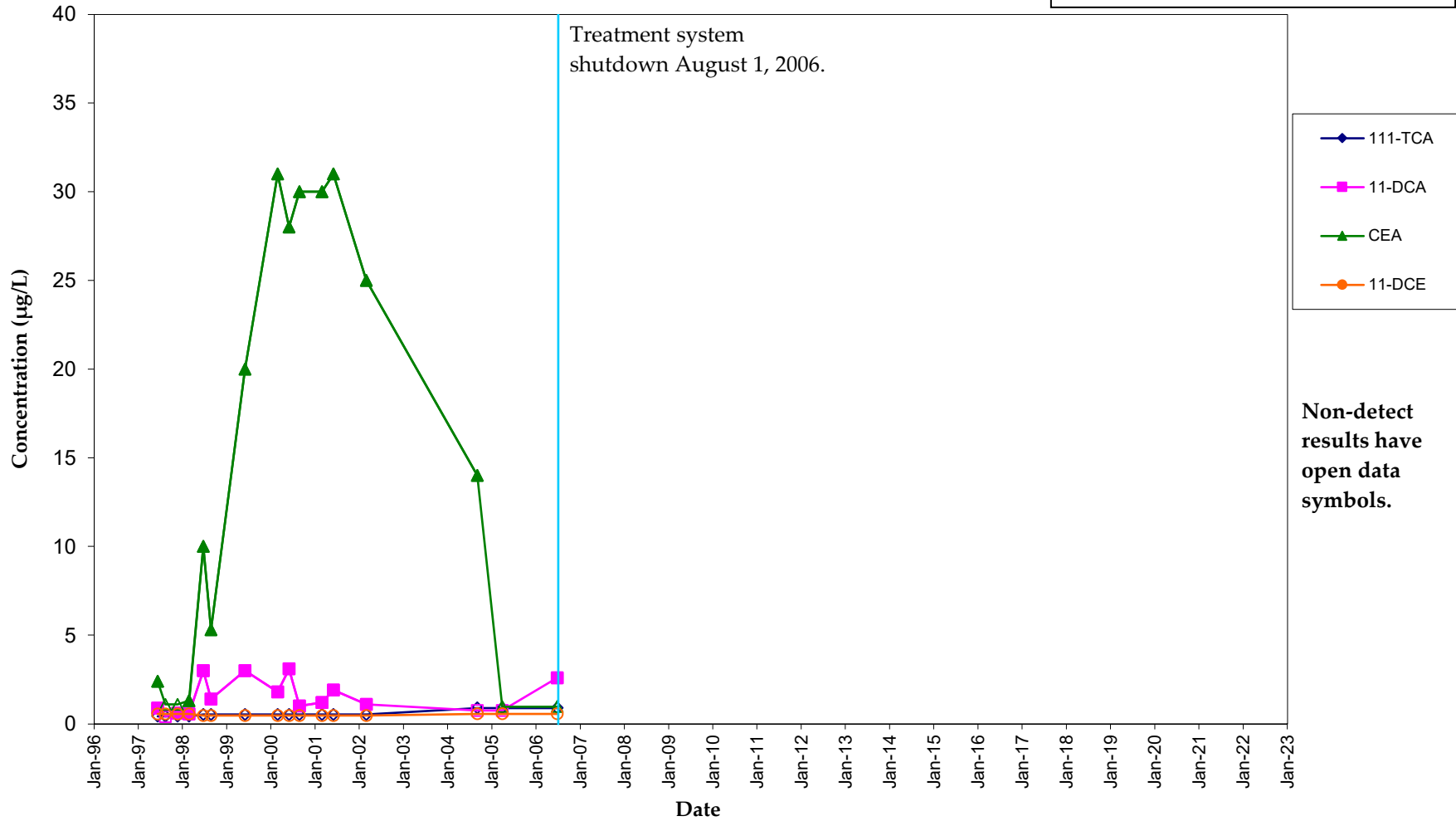
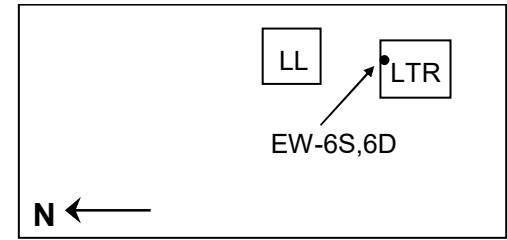
N ←



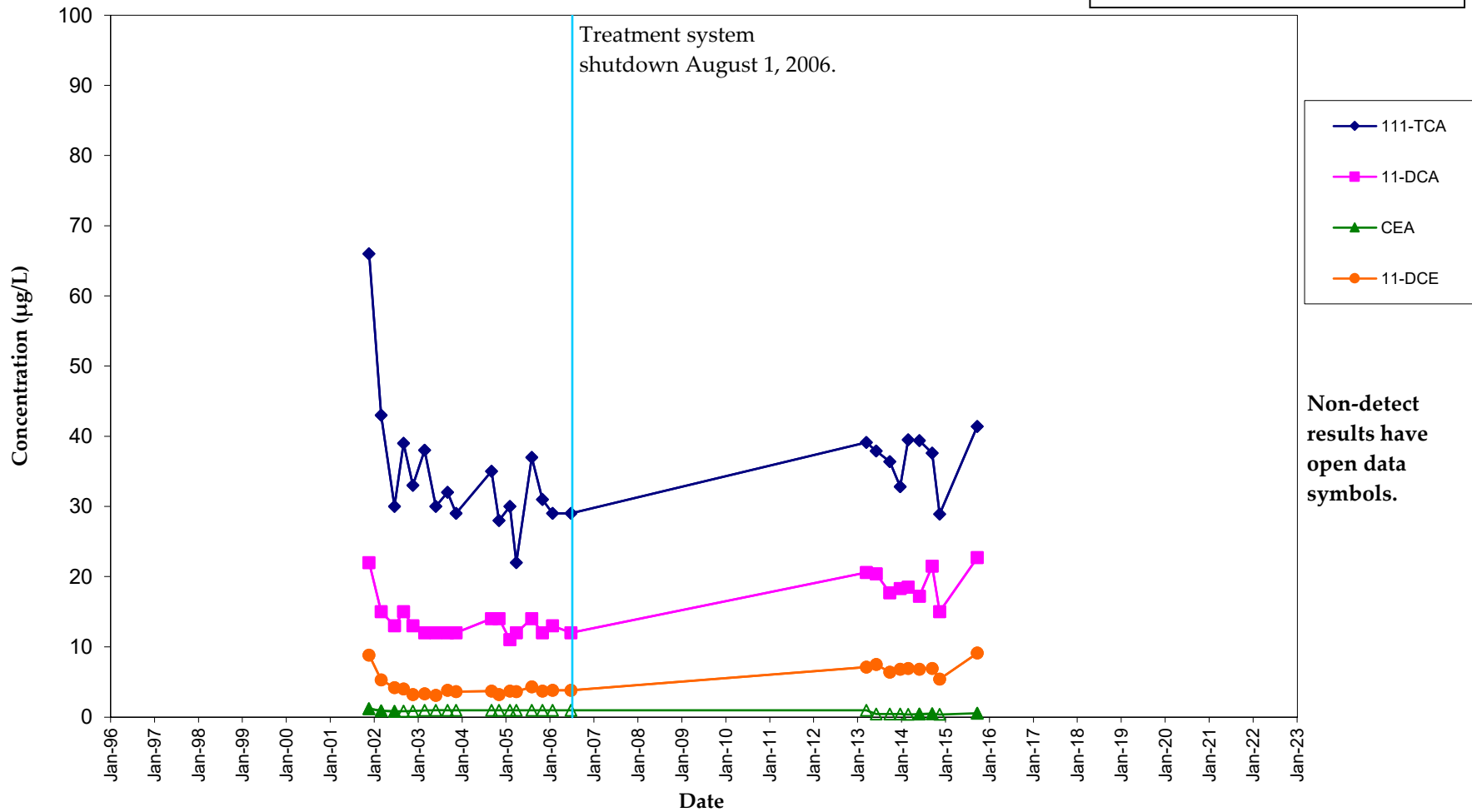
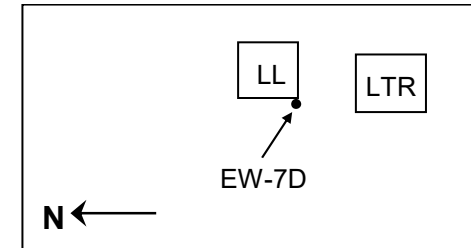
**EW-06D  
VOC Concentration Trends  
Lemberger Landfill**



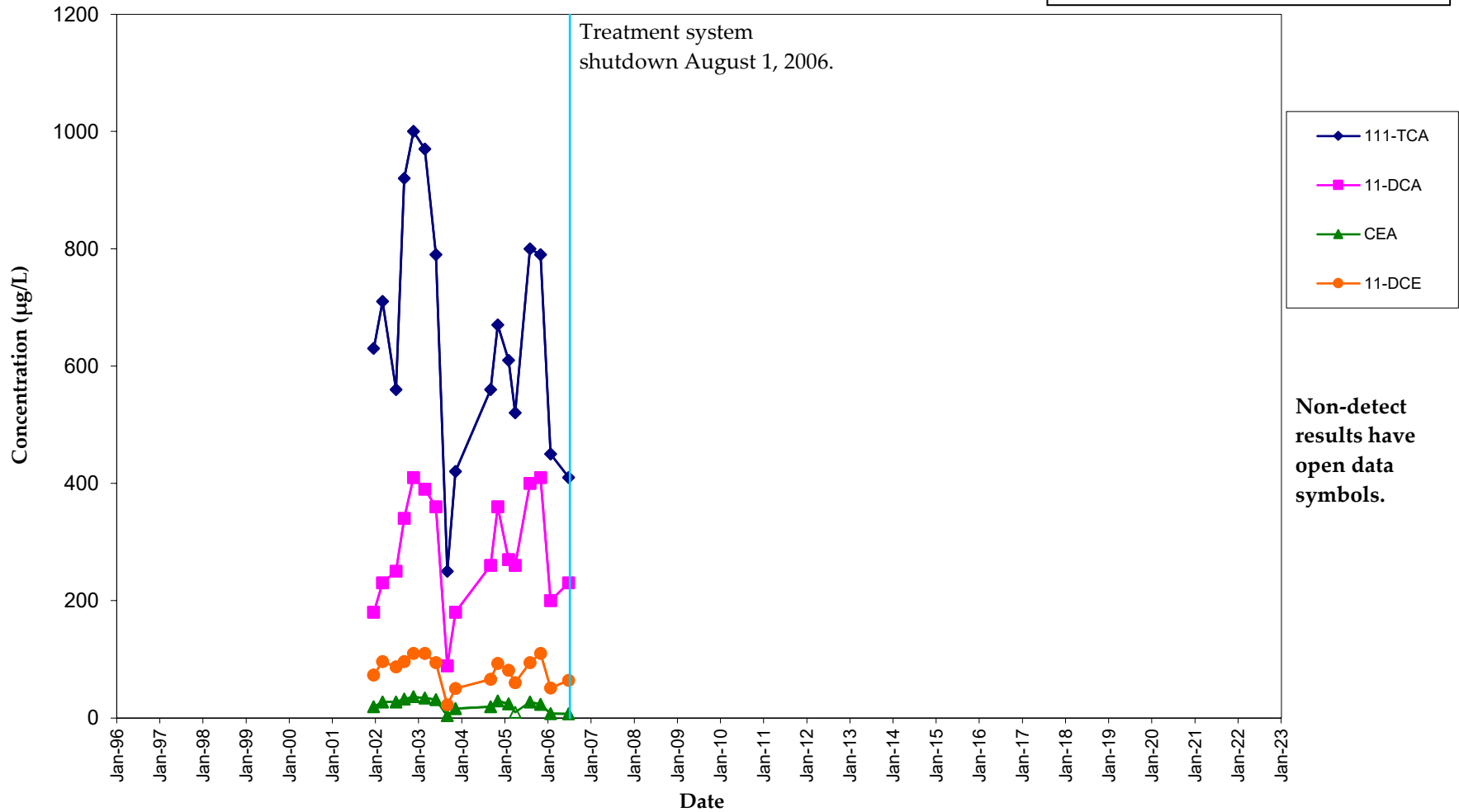
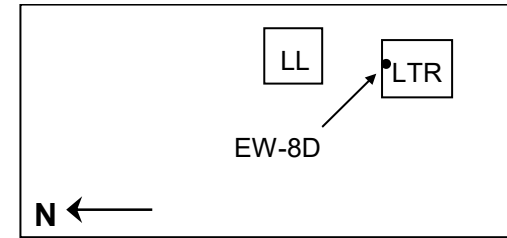
**EW-06S  
VOC Concentration Trends  
Lemberger Landfill**



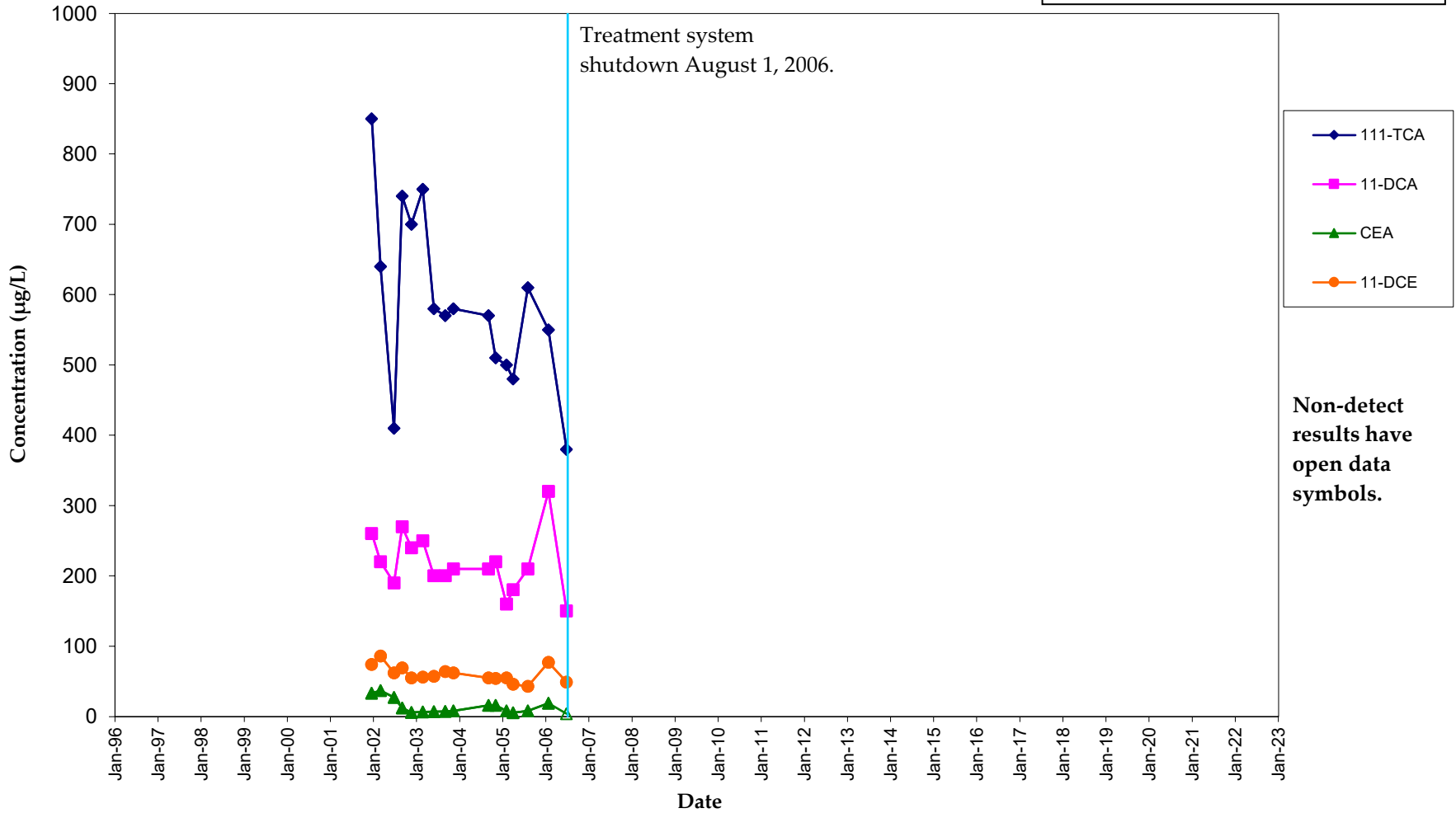
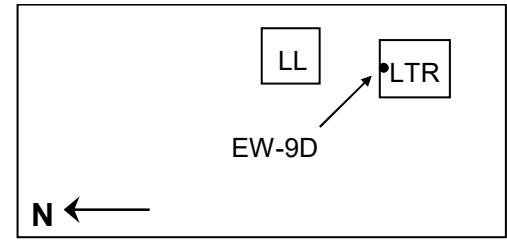
**EW-07D**  
**VOC Concentration Trends**  
**Lemberger Landfill**



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

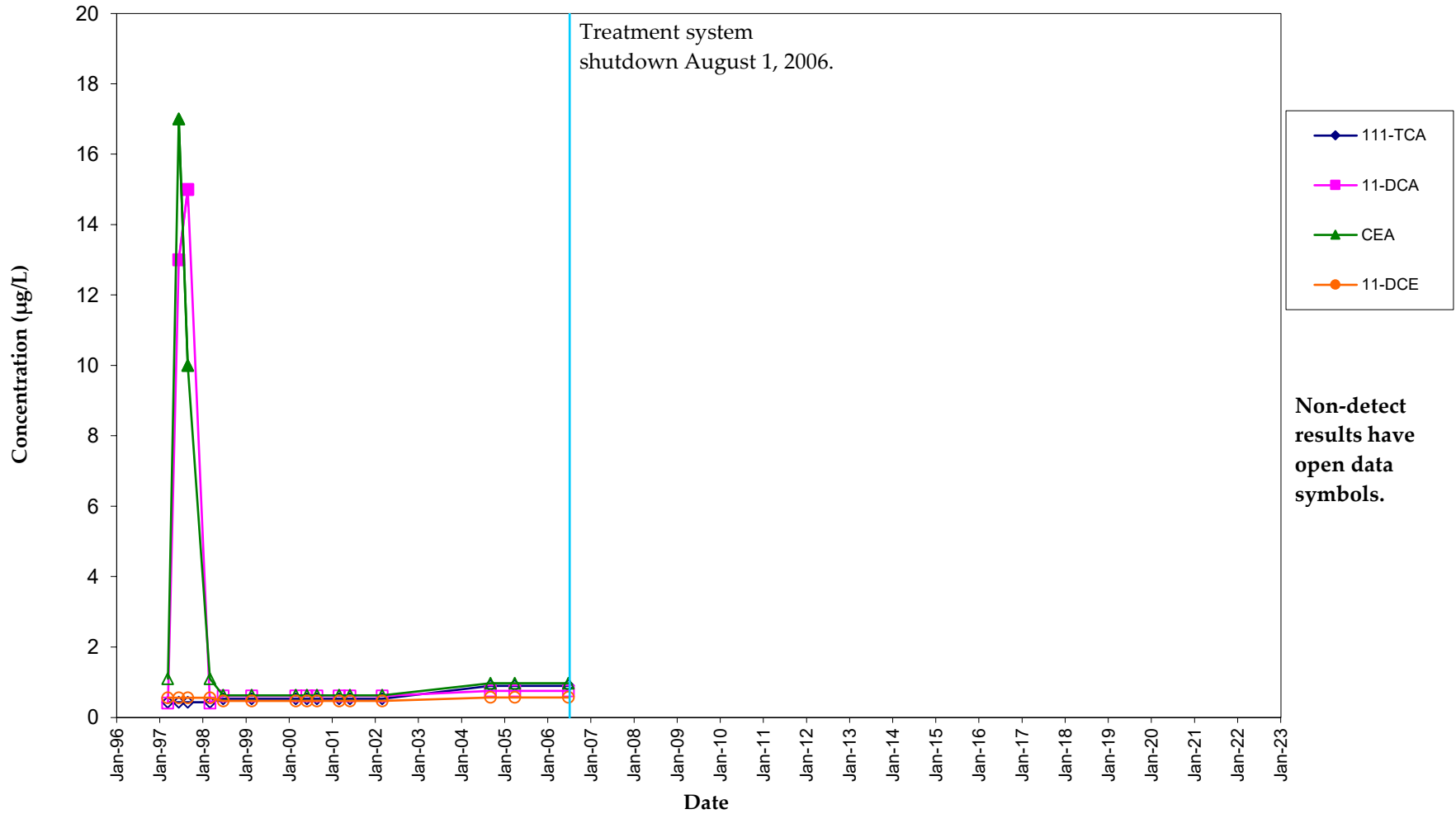


### EW-09D VOC Concentration Trends Lemberger Landfill

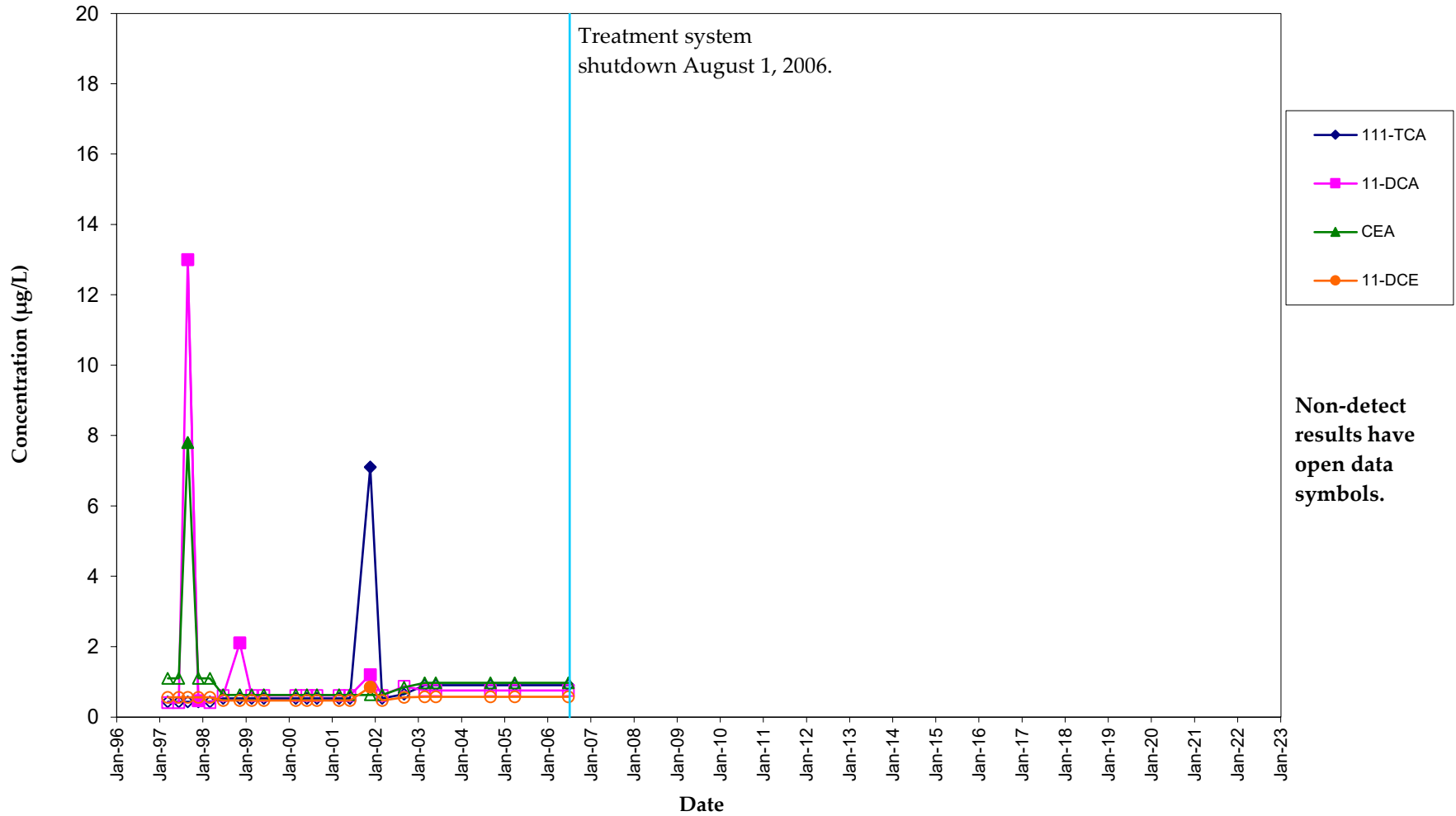




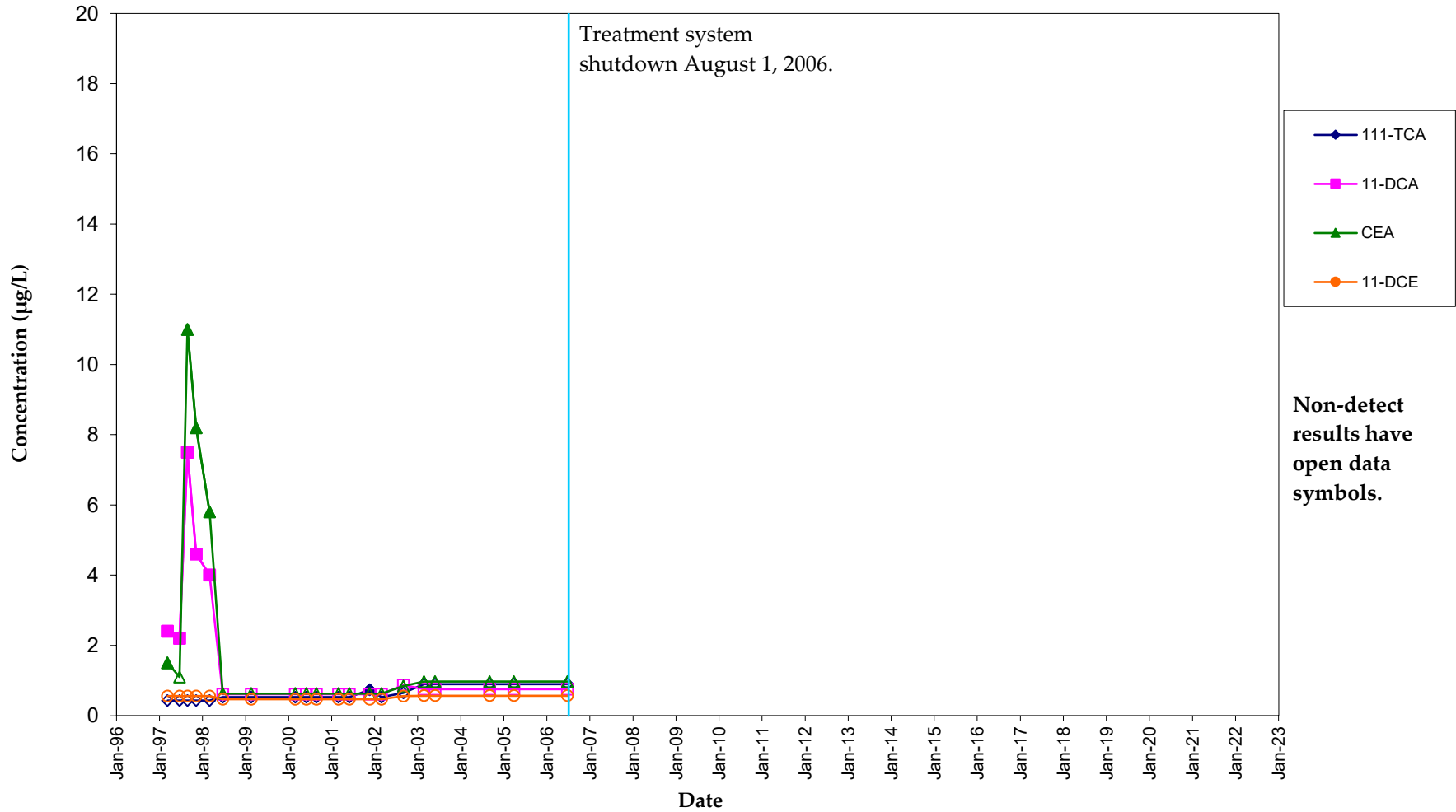
# GWC-1 VOC Concentration Trends Lemberger Landfill



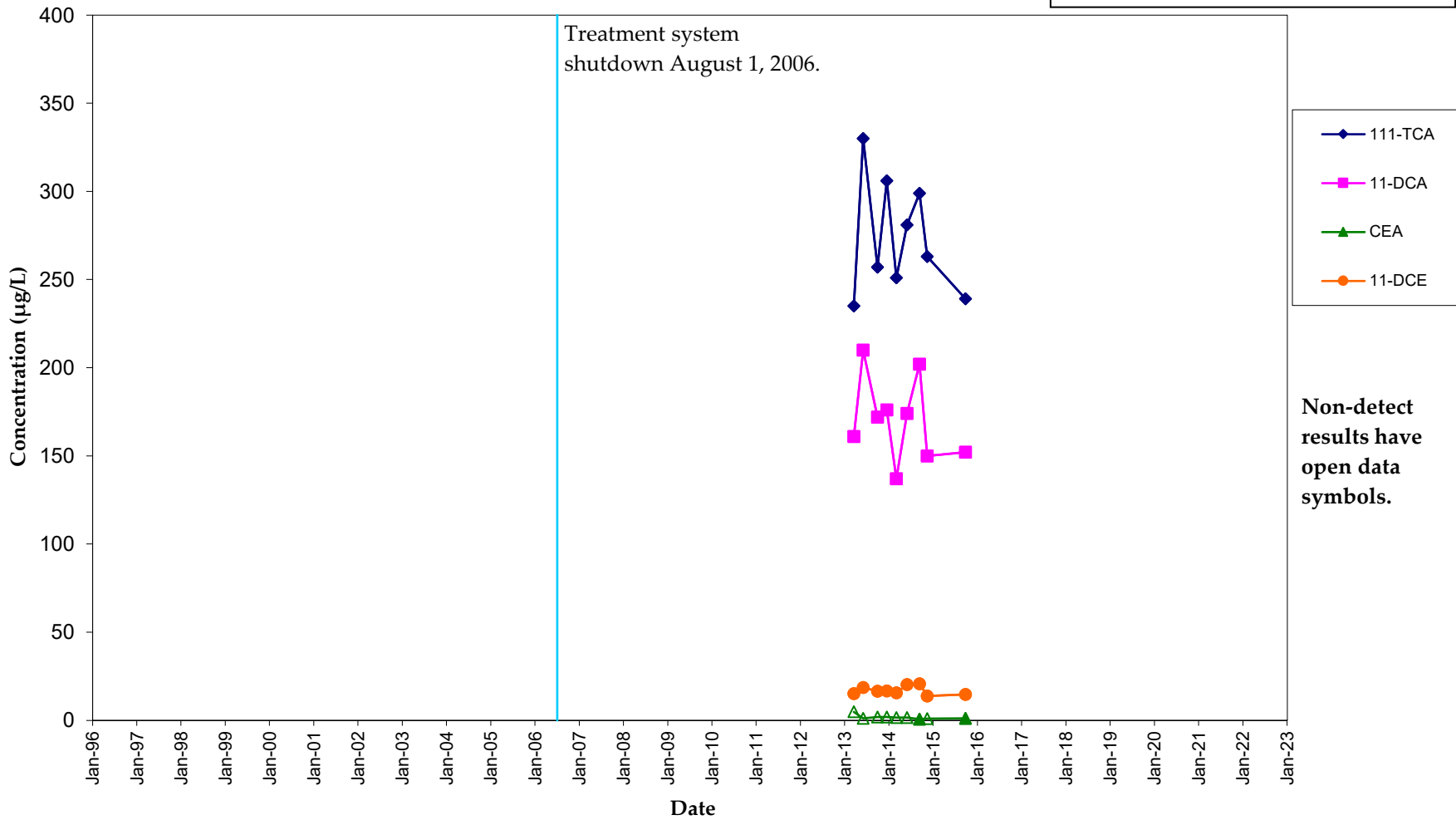
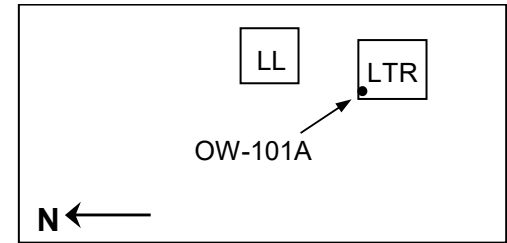
# GWC-2 VOC Concentration Trends Lemberger Landfill



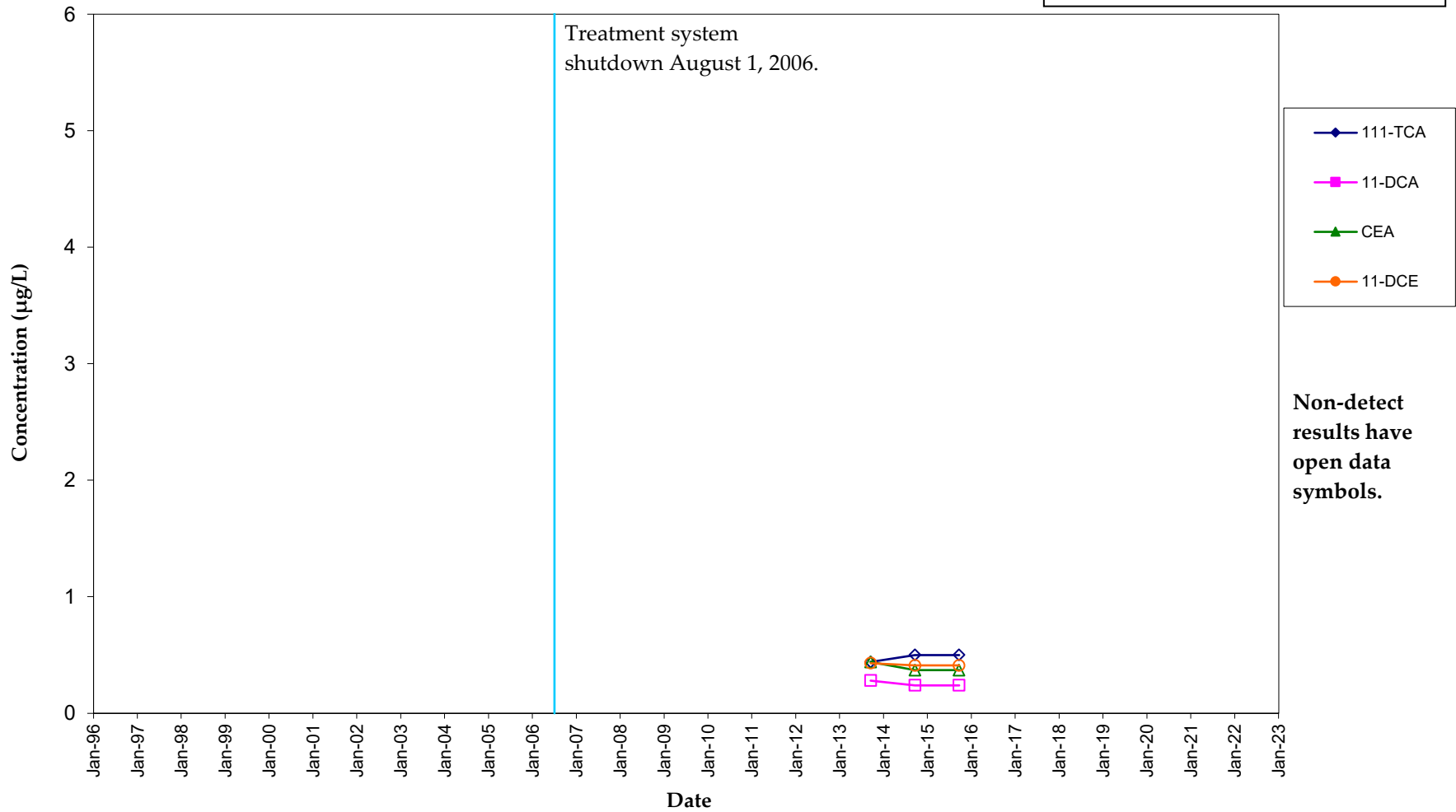
### GWC-3 VOC Concentration Trends Lemberger Landfill



# OW-101A VOC Concentration Trends Lemberger Landfill



# OW-103A VOC Concentration Trends Lemberger Landfill



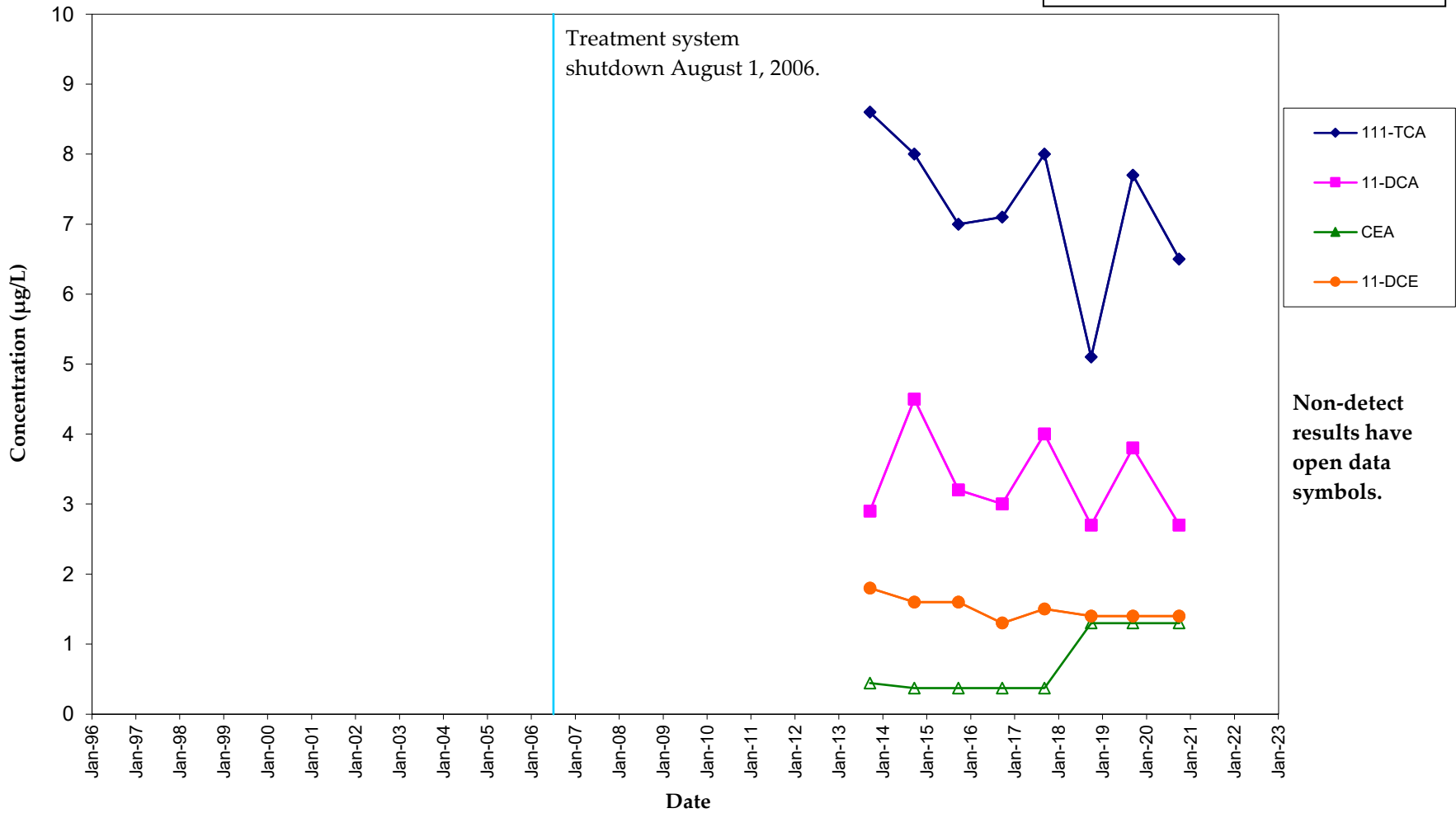
**OW-104F  
VOC Concentration Trends  
Lemberger Landfill**

LL

LTR

OW-104F

N ←



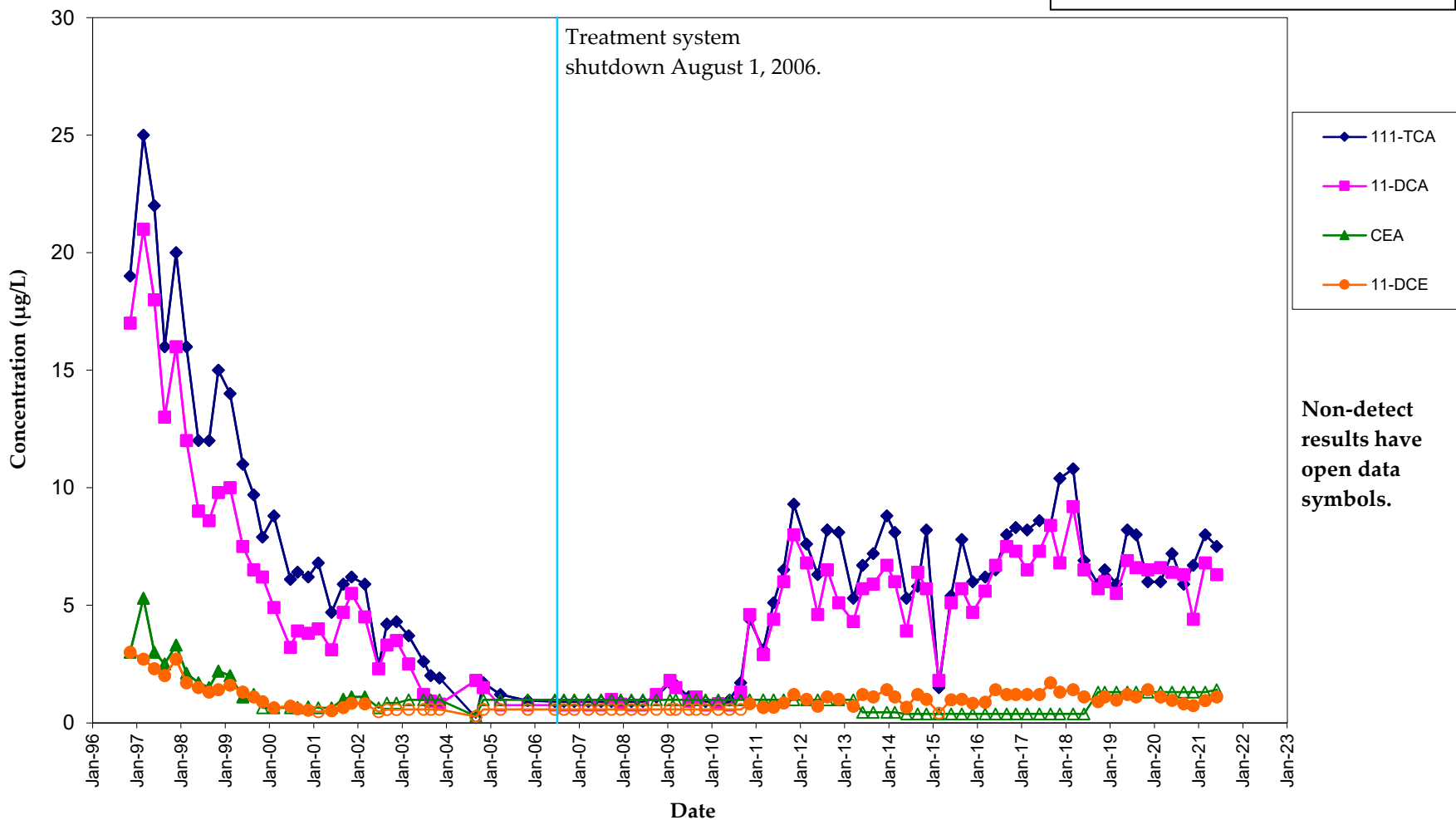
**Non-detect results have open data symbols.**

RM-002D  
 VOC Concentration Trends  
 Lemberger Landfill

LL LTR

• RM-2I, 2D

N ←

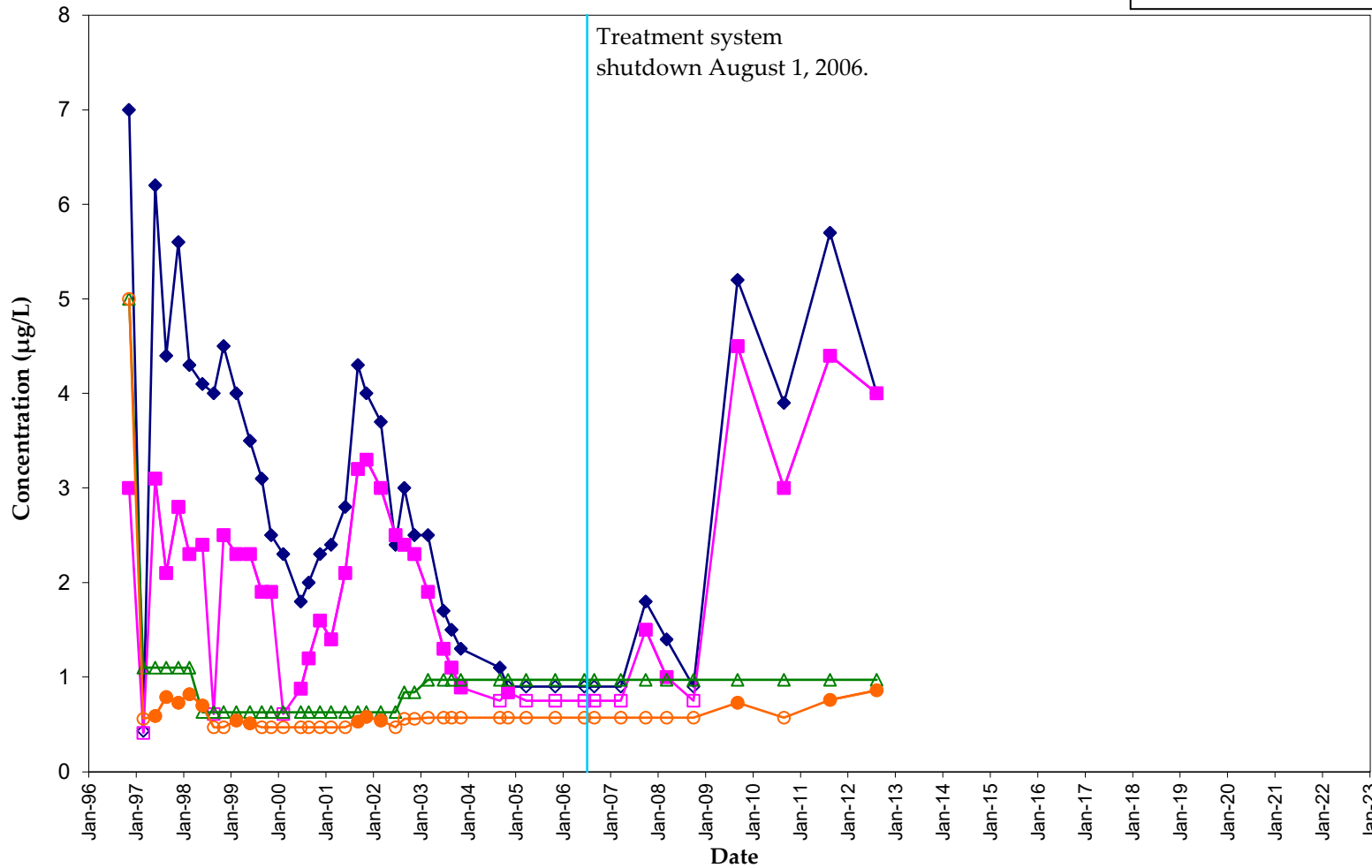


**RM-002I  
VOC Concentration Trends  
Lemberger Landfill**

LL      LTR

• RM-2I, 2D

**N** ←

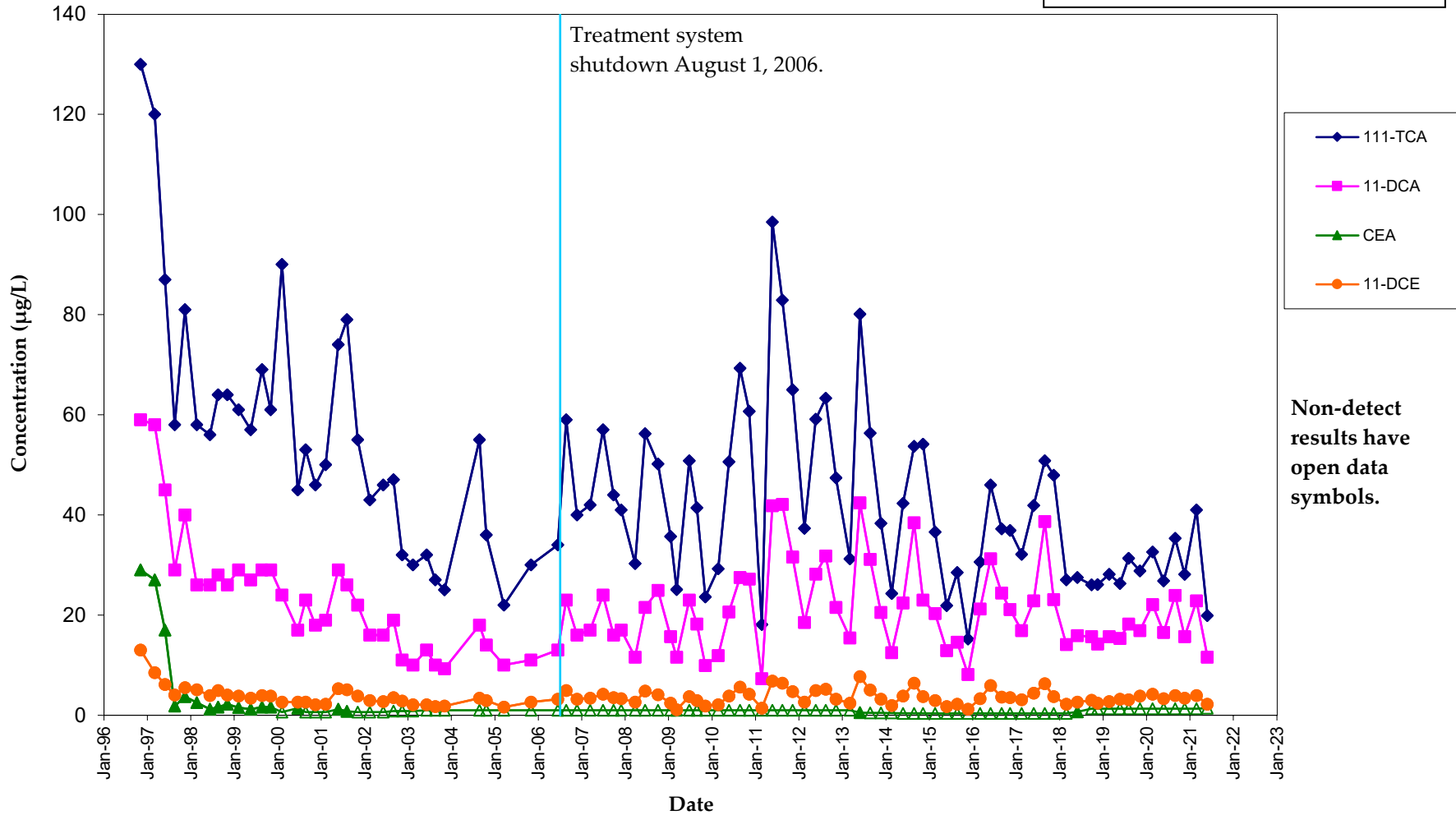
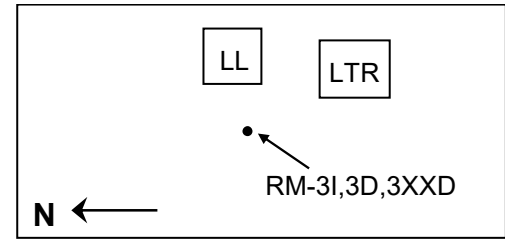


- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

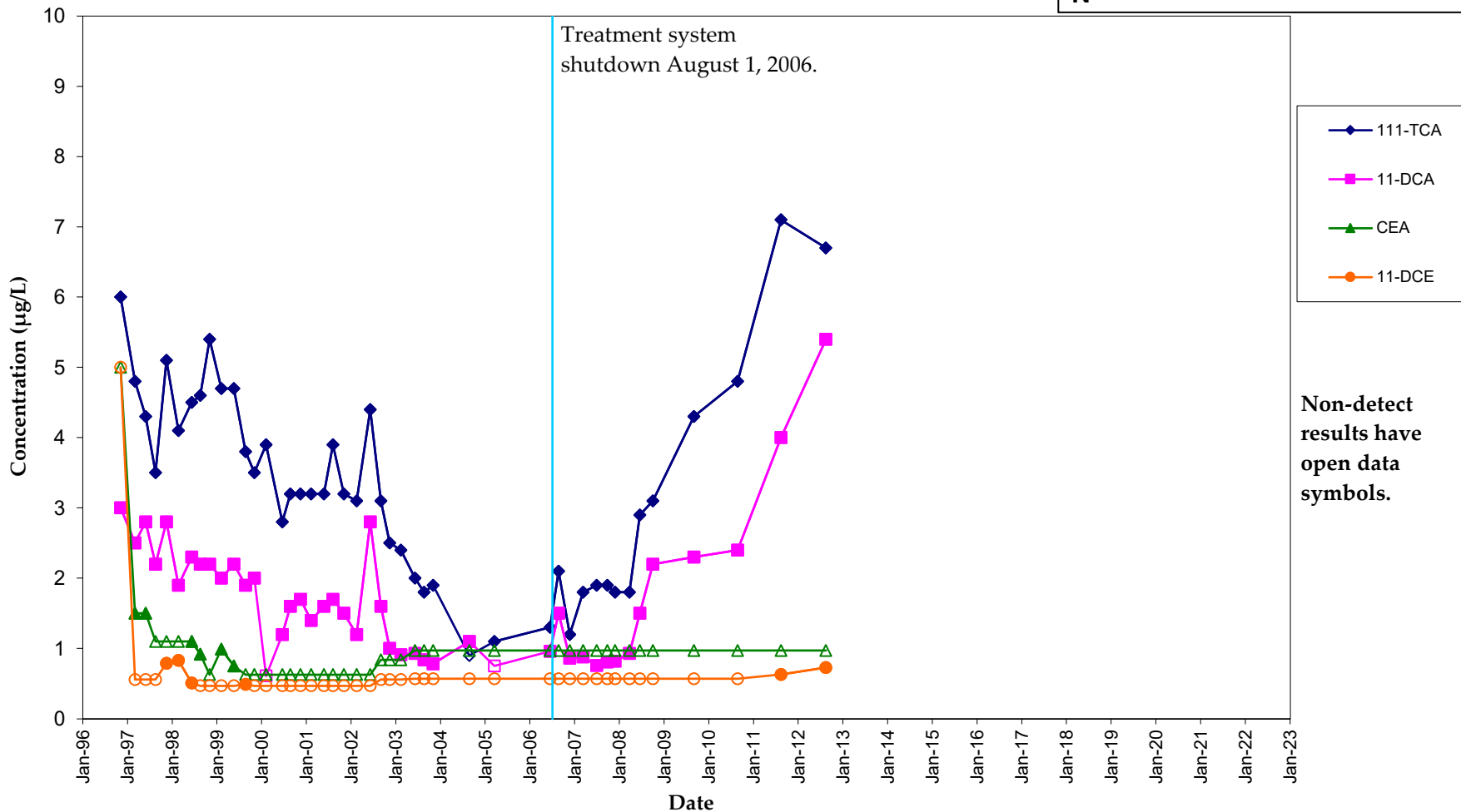
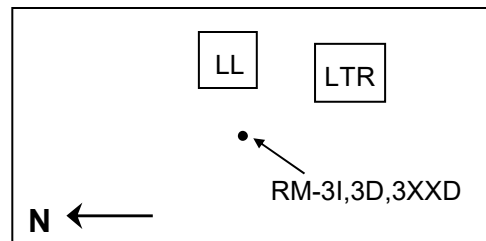
**Non-detect results have open data symbols.**



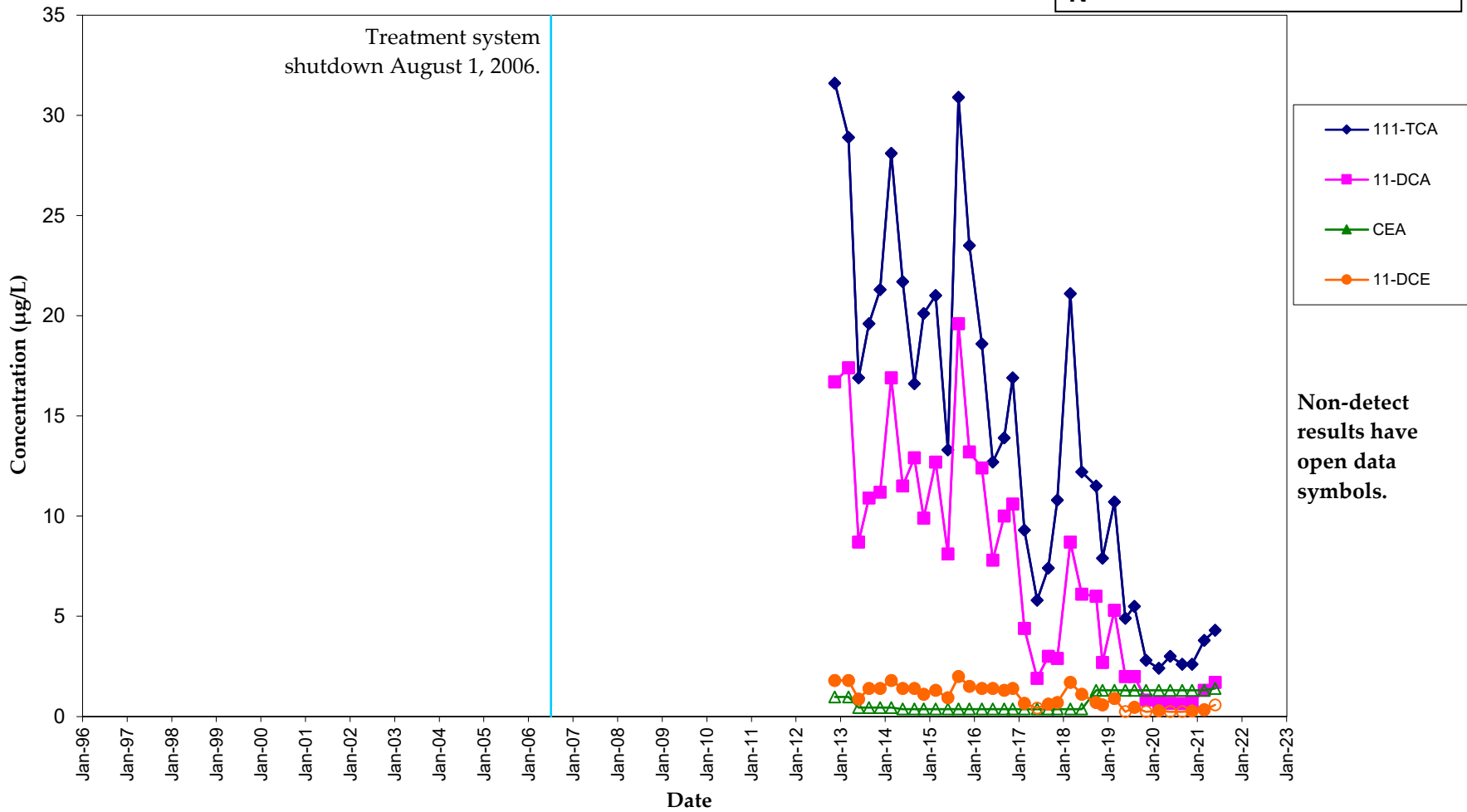
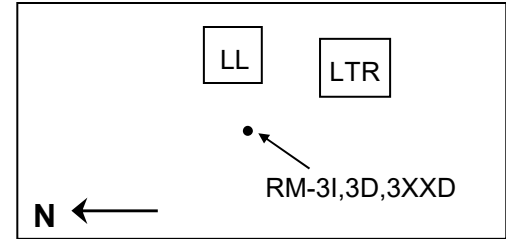
## RM-003D VOC Concentration Trends Lemberger Landfill



### RM-003I VOC Concentration Trends Lemberger Landfill



RM-003XXD  
 VOC Concentration Trends  
 Lemberger Landfill

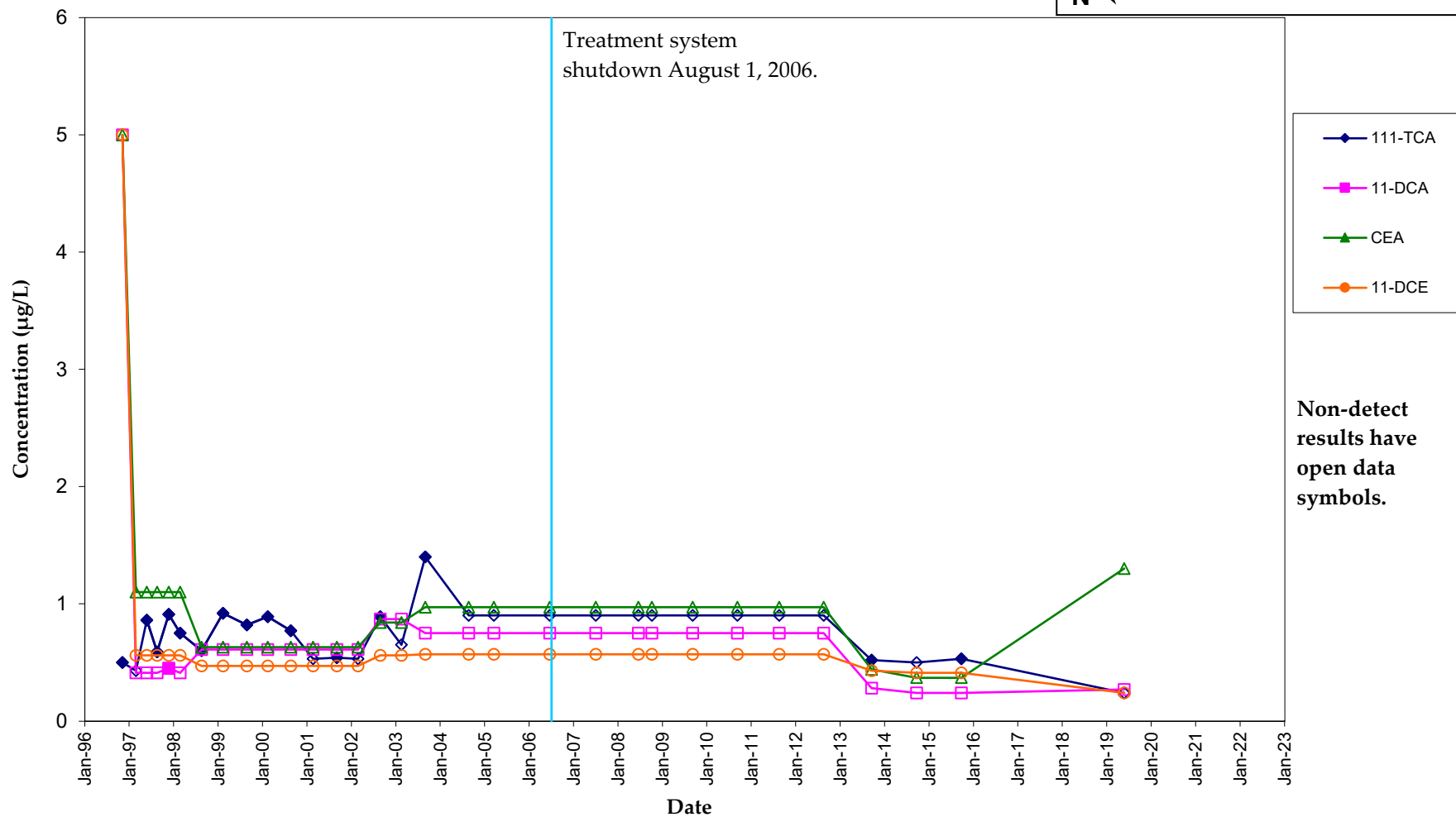


RM-004D  
 VOC Concentration Trends  
 Lemberger Landfill

RM-4S, 4D

LL LTR

N ←



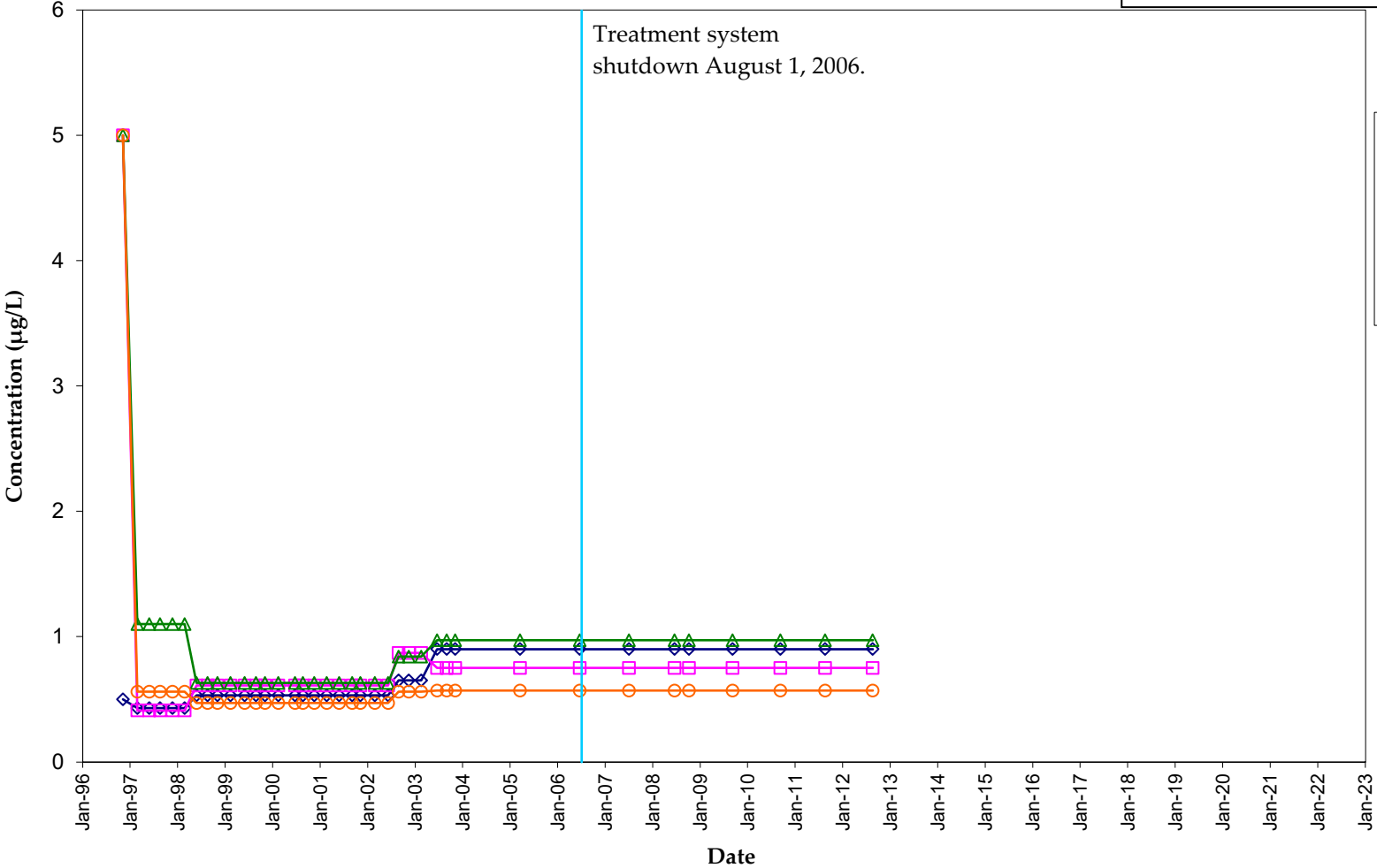
Non-detect results have open data symbols.

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

RM-4S, 4D

LL LTR

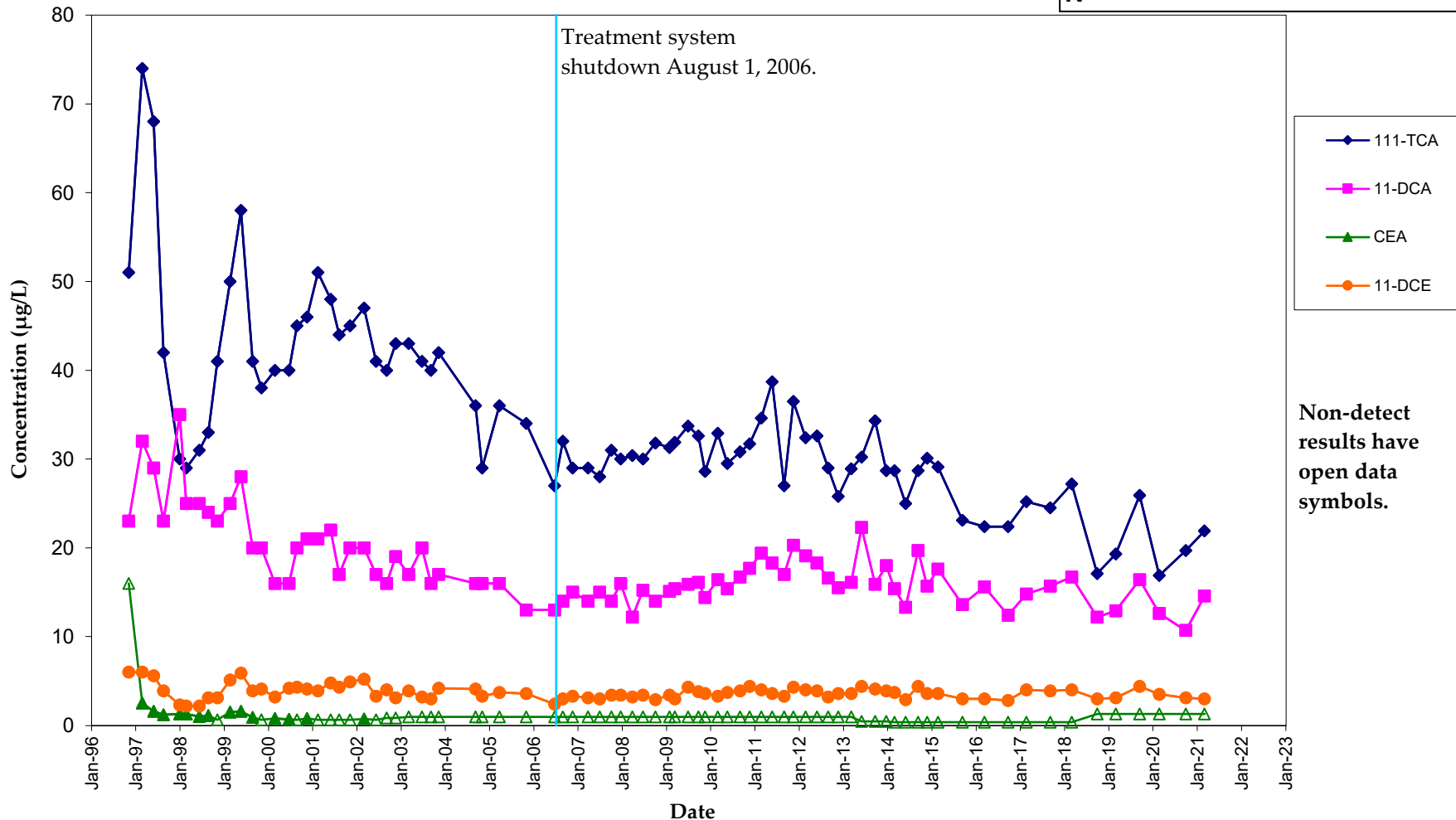
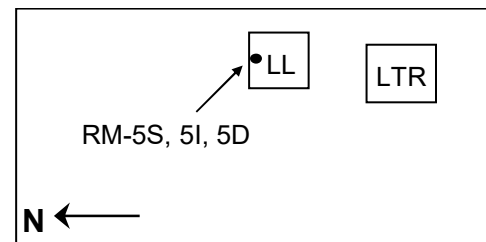
N ←



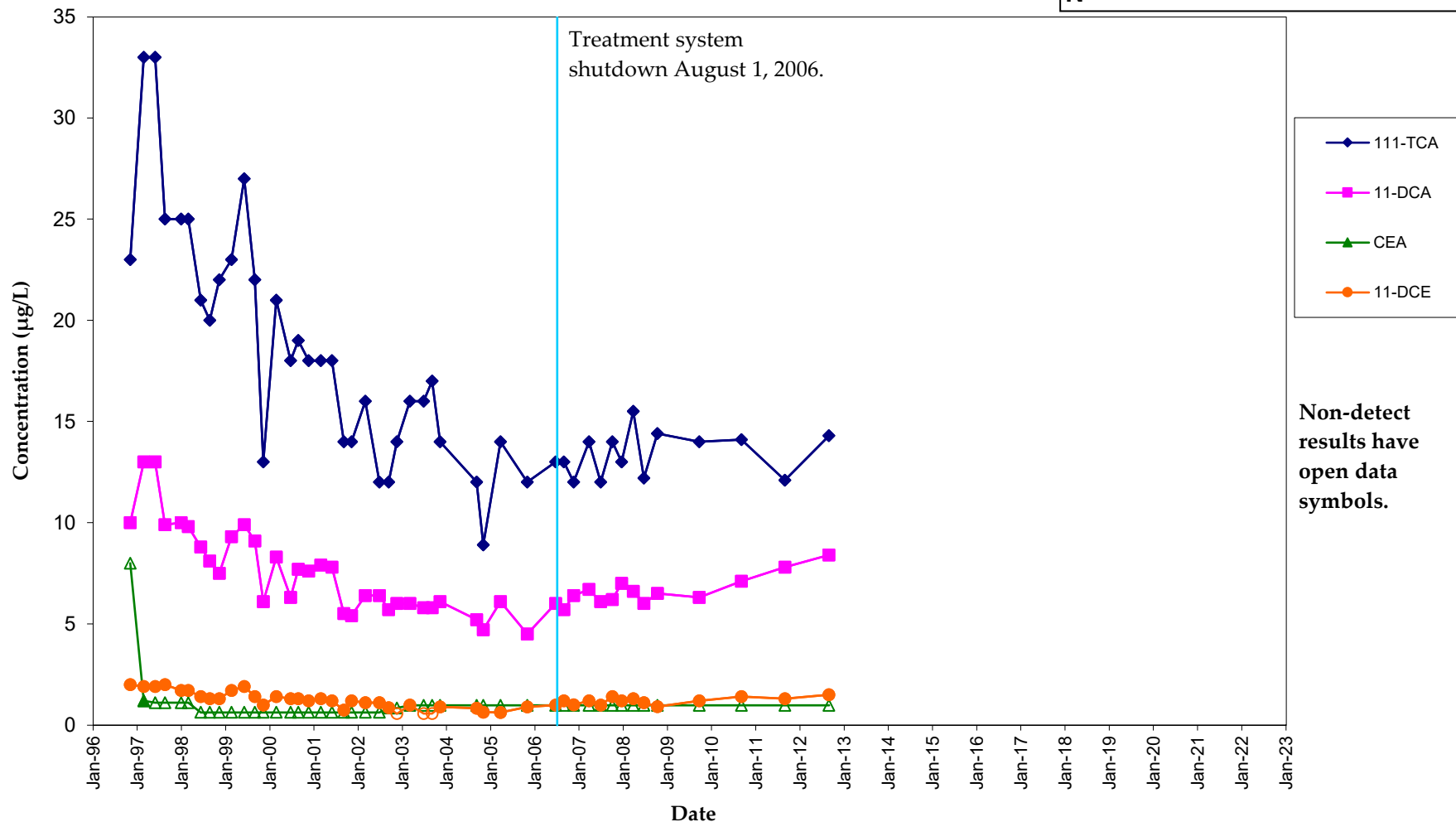
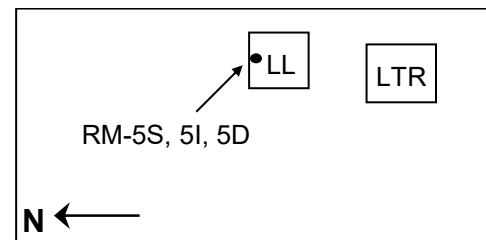
- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

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

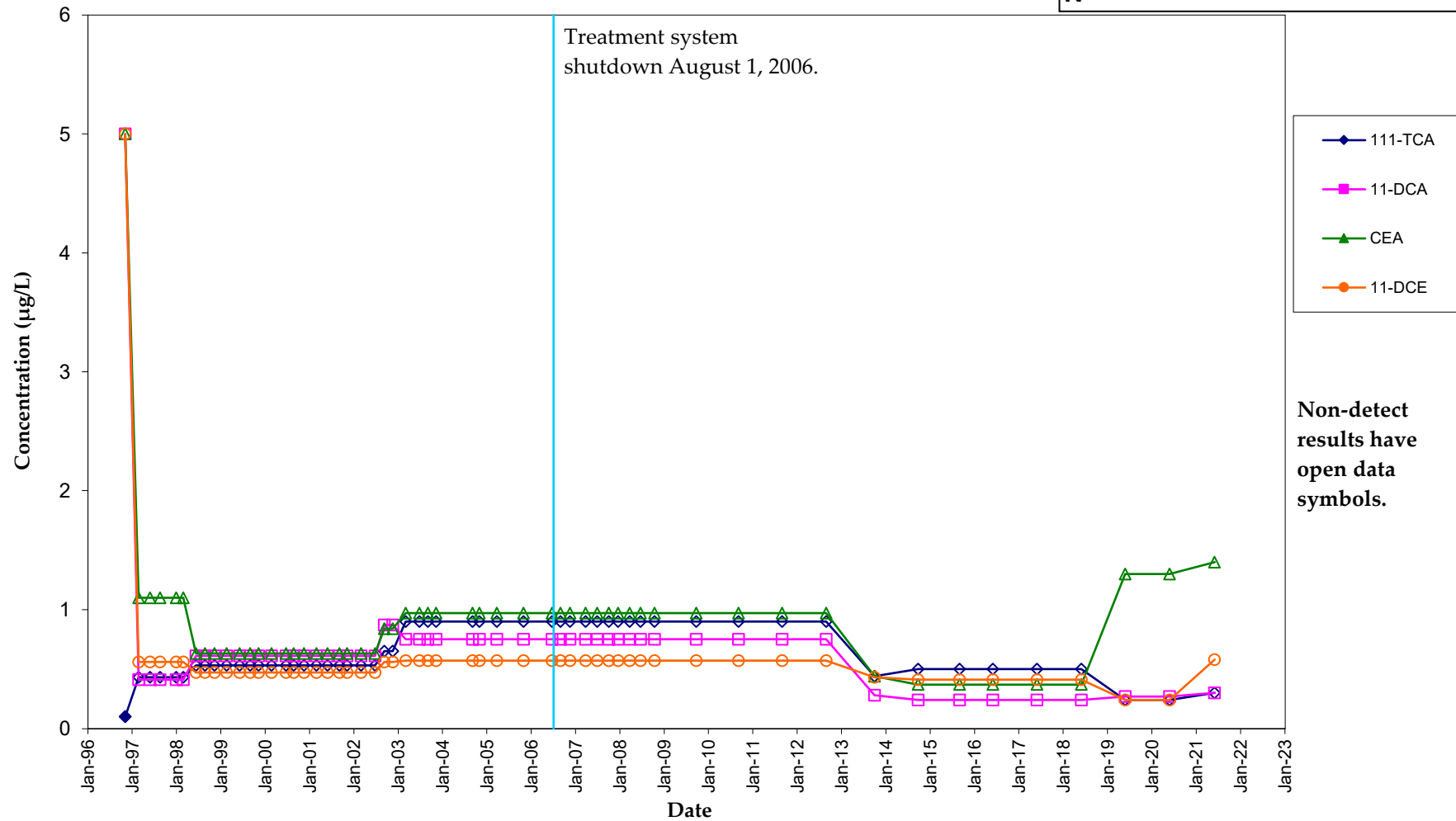
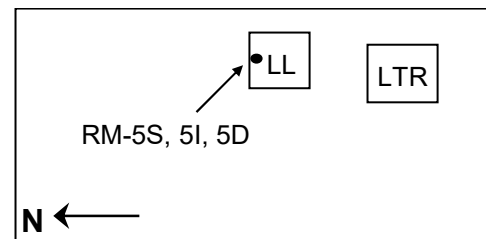
RM-005D  
 VOC Concentration Trends  
 Lemberger Landfill



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



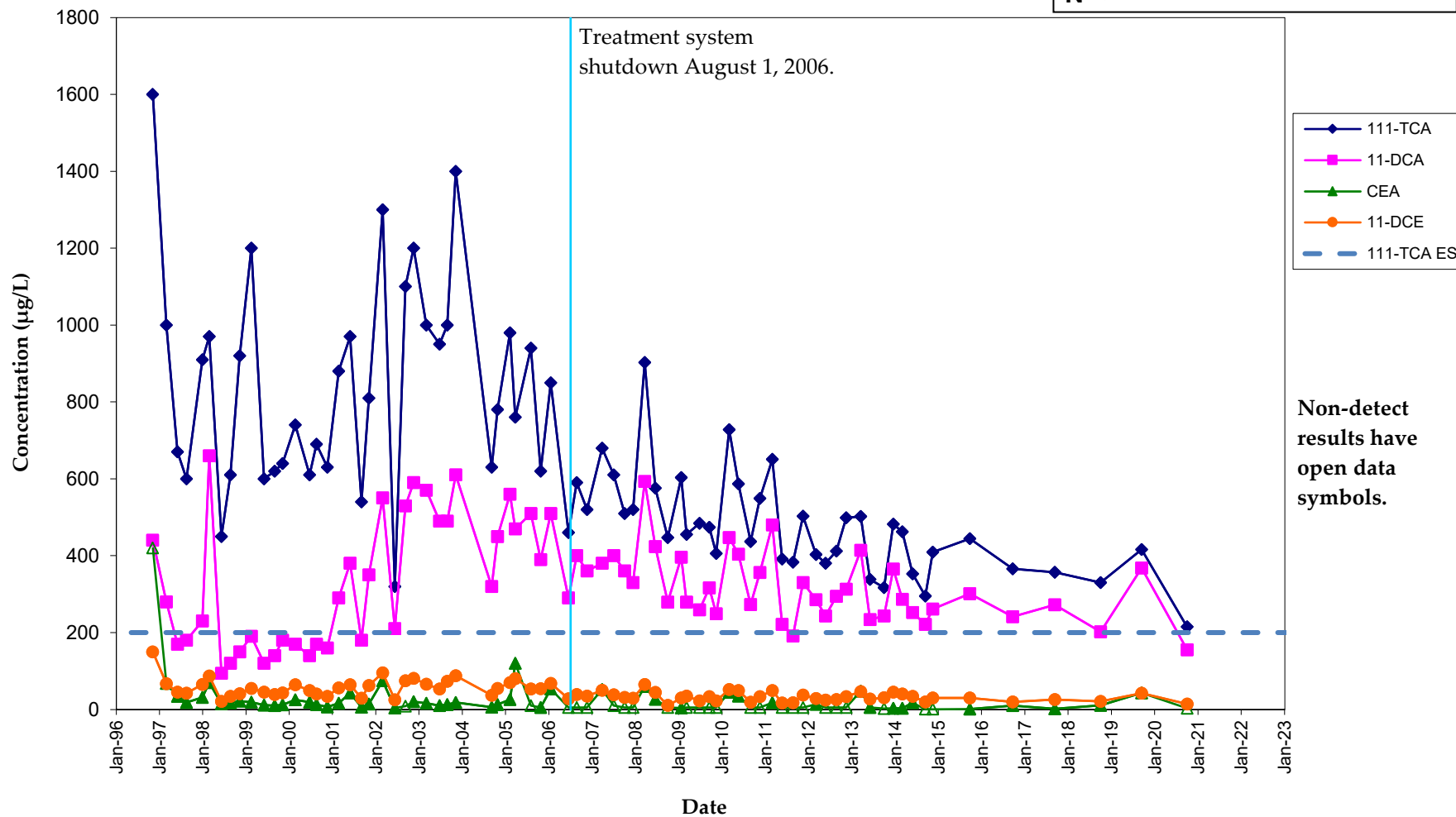
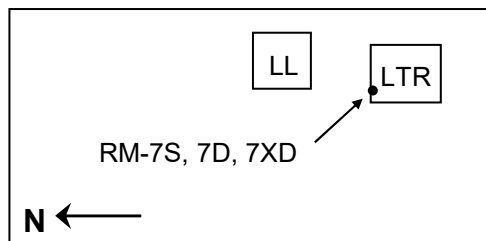
# RM-005S VOC Concentration Trends Lemberger Landfill



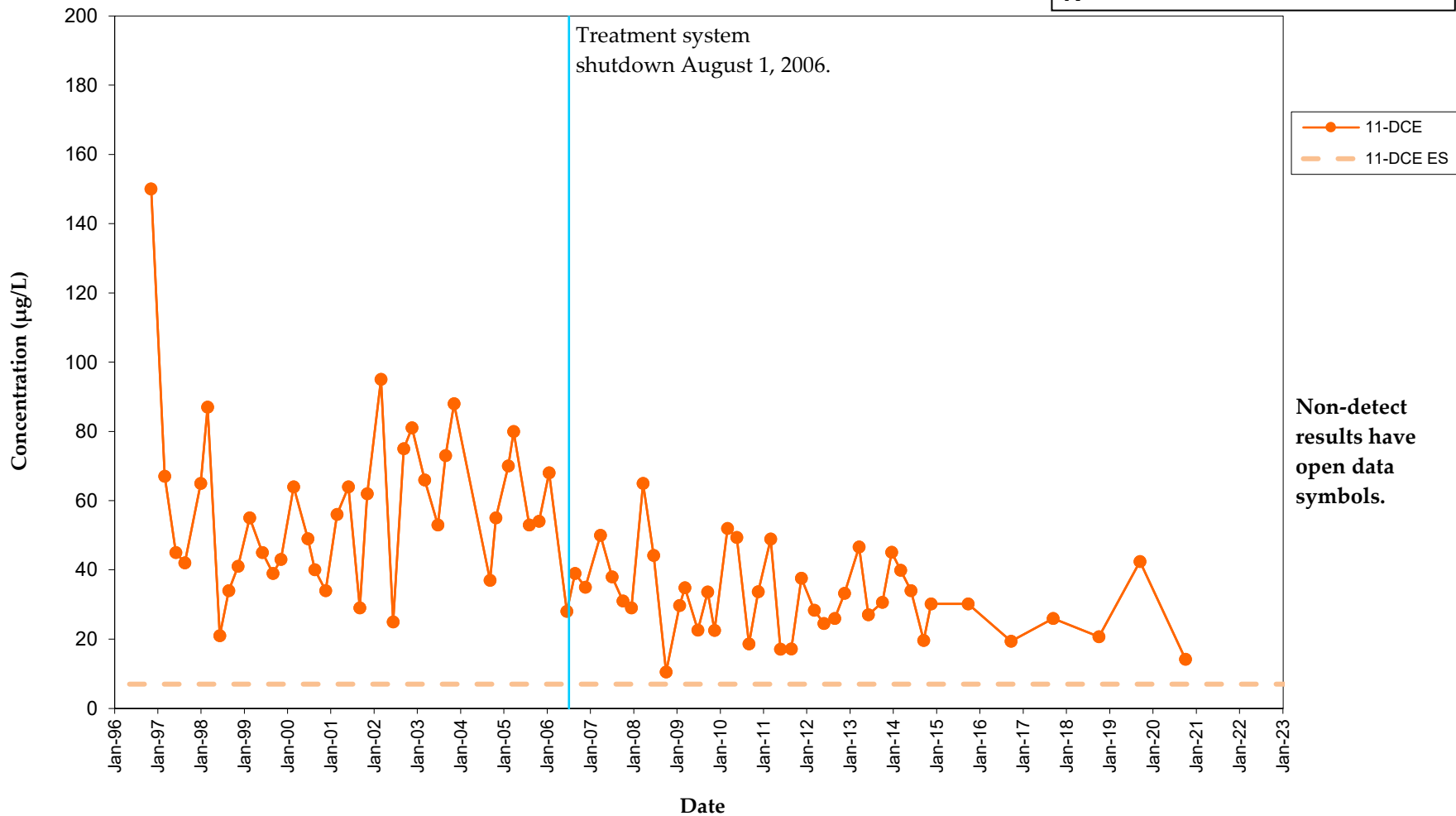
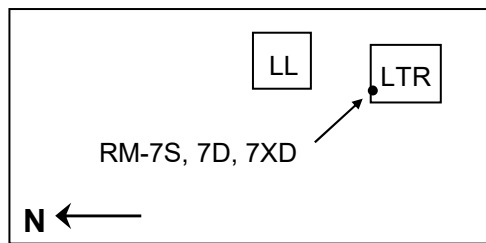
Non-detect results have open data symbols.



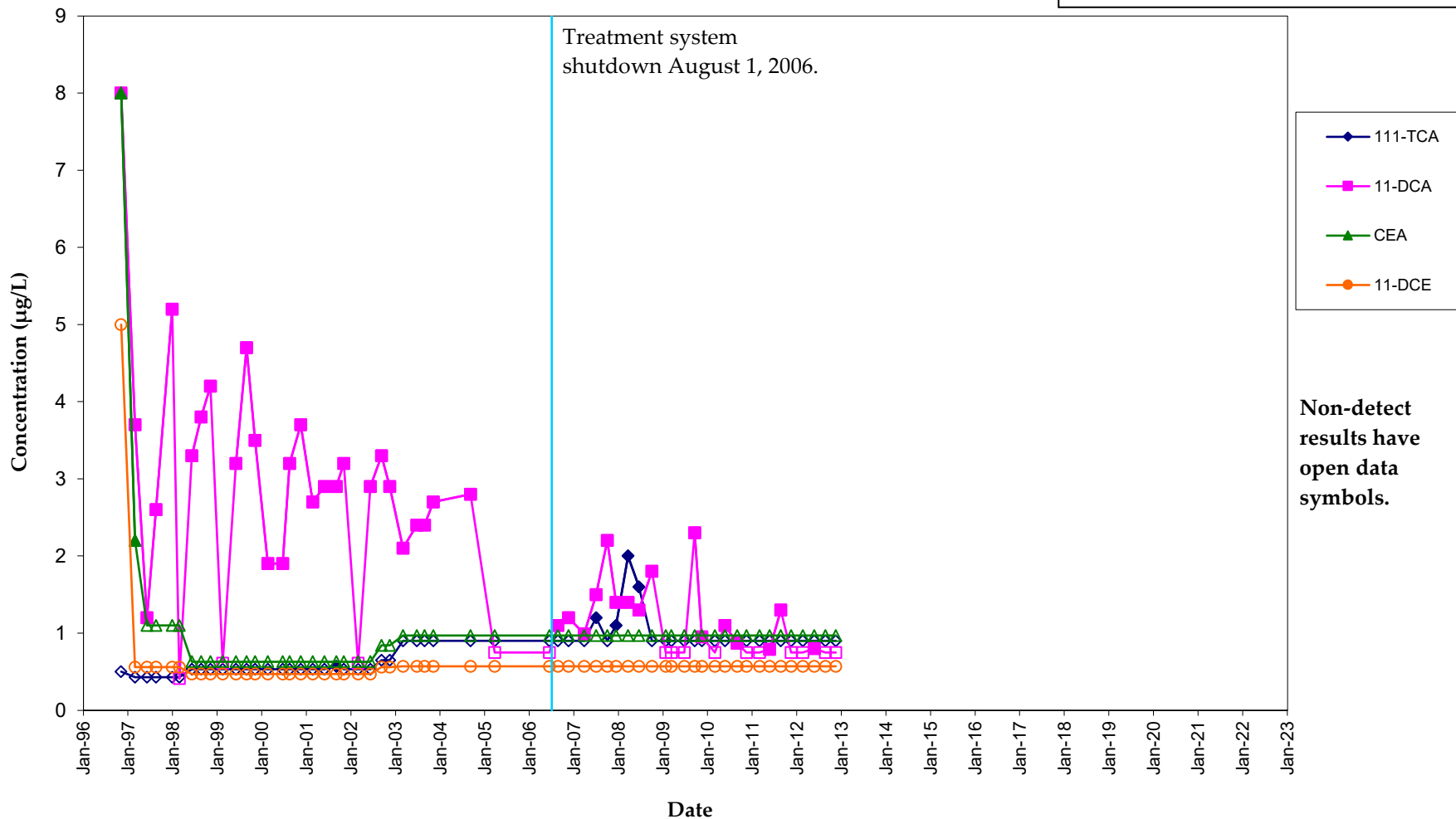
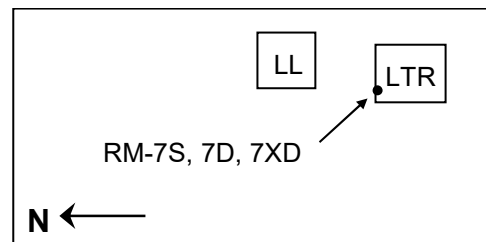
RM-007D  
 VOC Concentration Trends  
 Lemberger Landfill



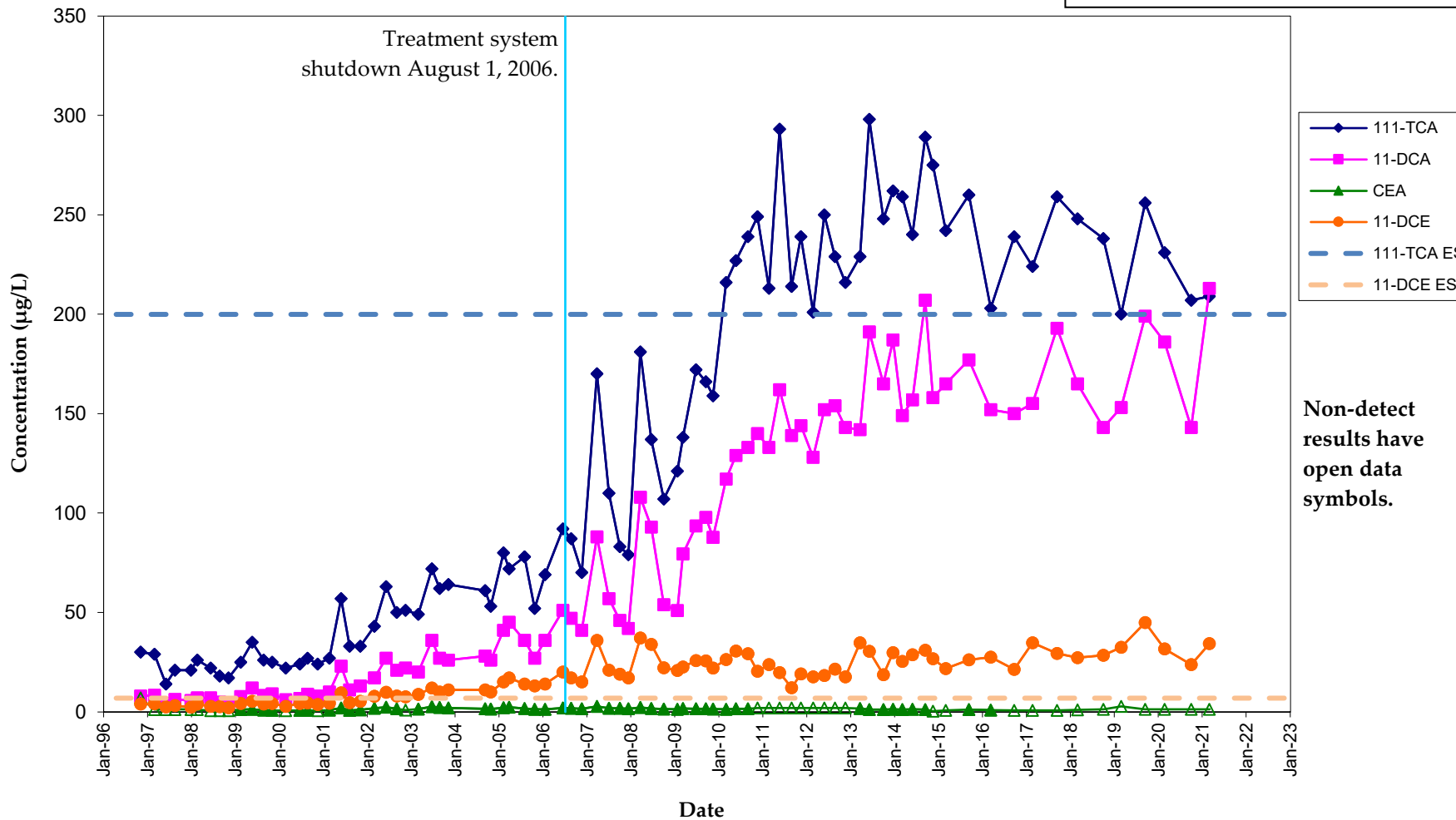
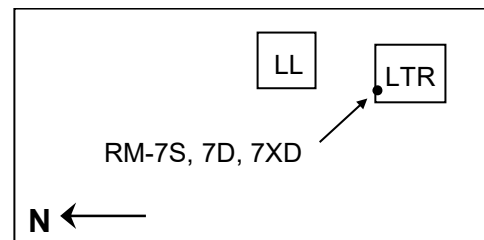
### RM-007D VOC Concentration Trends Lemberger Landfill



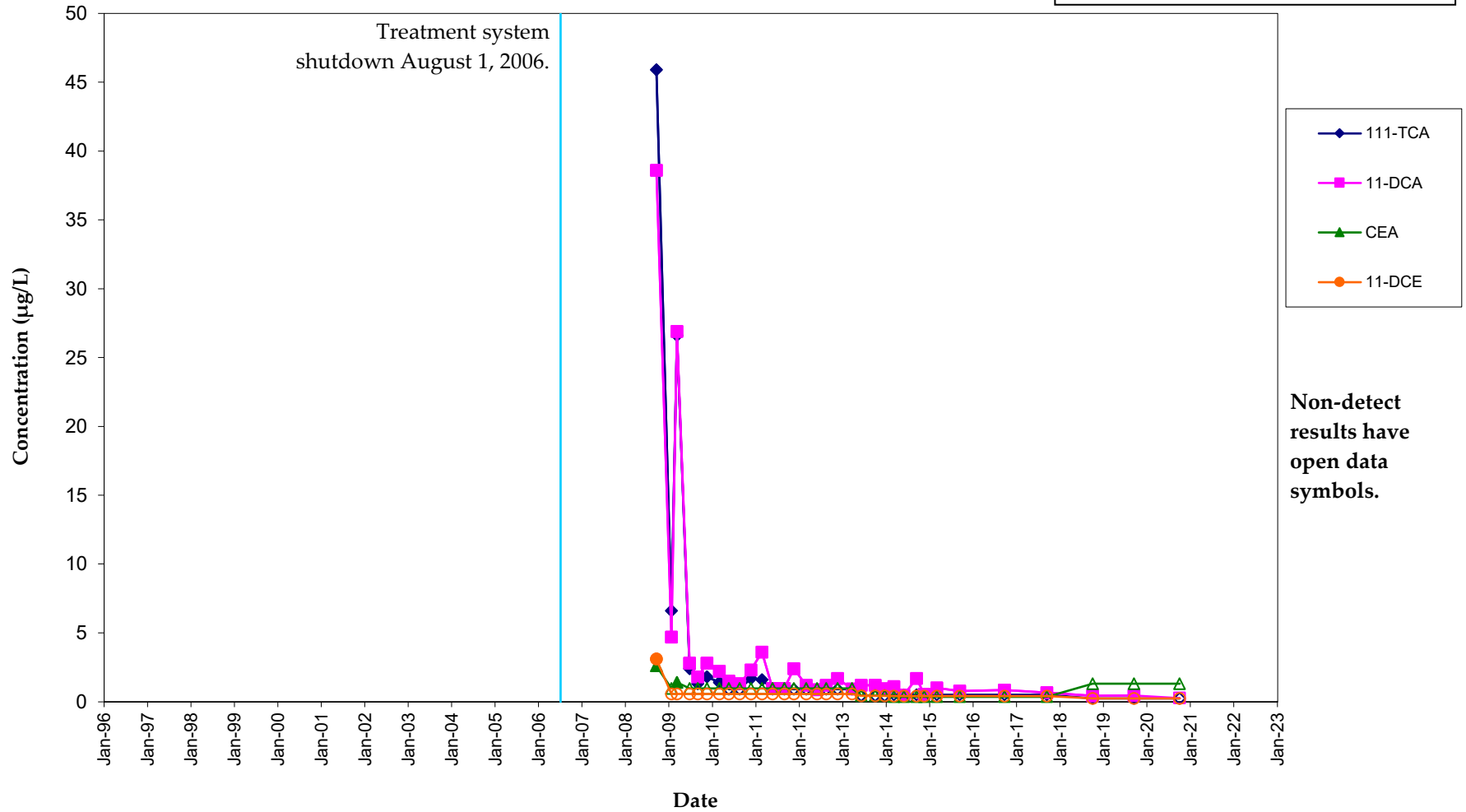
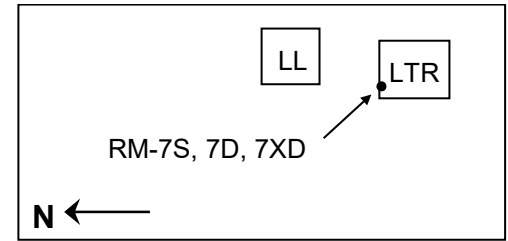
# RM-007S VOC Concentration Trends Lemberger Landfill



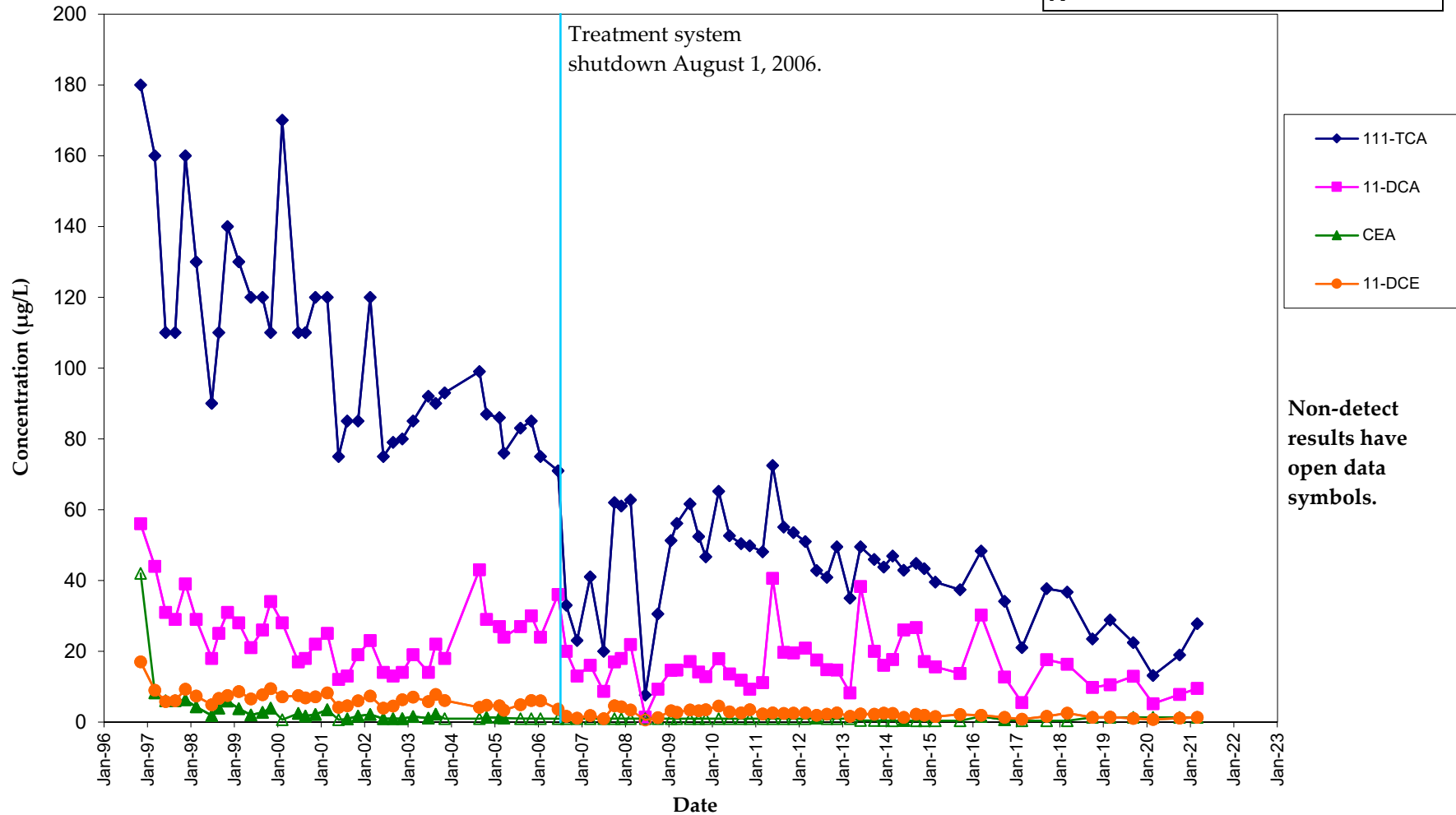
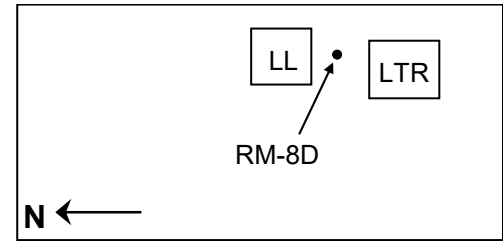
RM-007XD  
 VOC Concentration Trends  
 Lemberger Landfill



RM-007XXD  
 VOC Concentration Trends  
 Lemberger Landfill



# RM-008D VOC Concentration Trends Lemberger Landfill



Non-detect results have open data symbols.

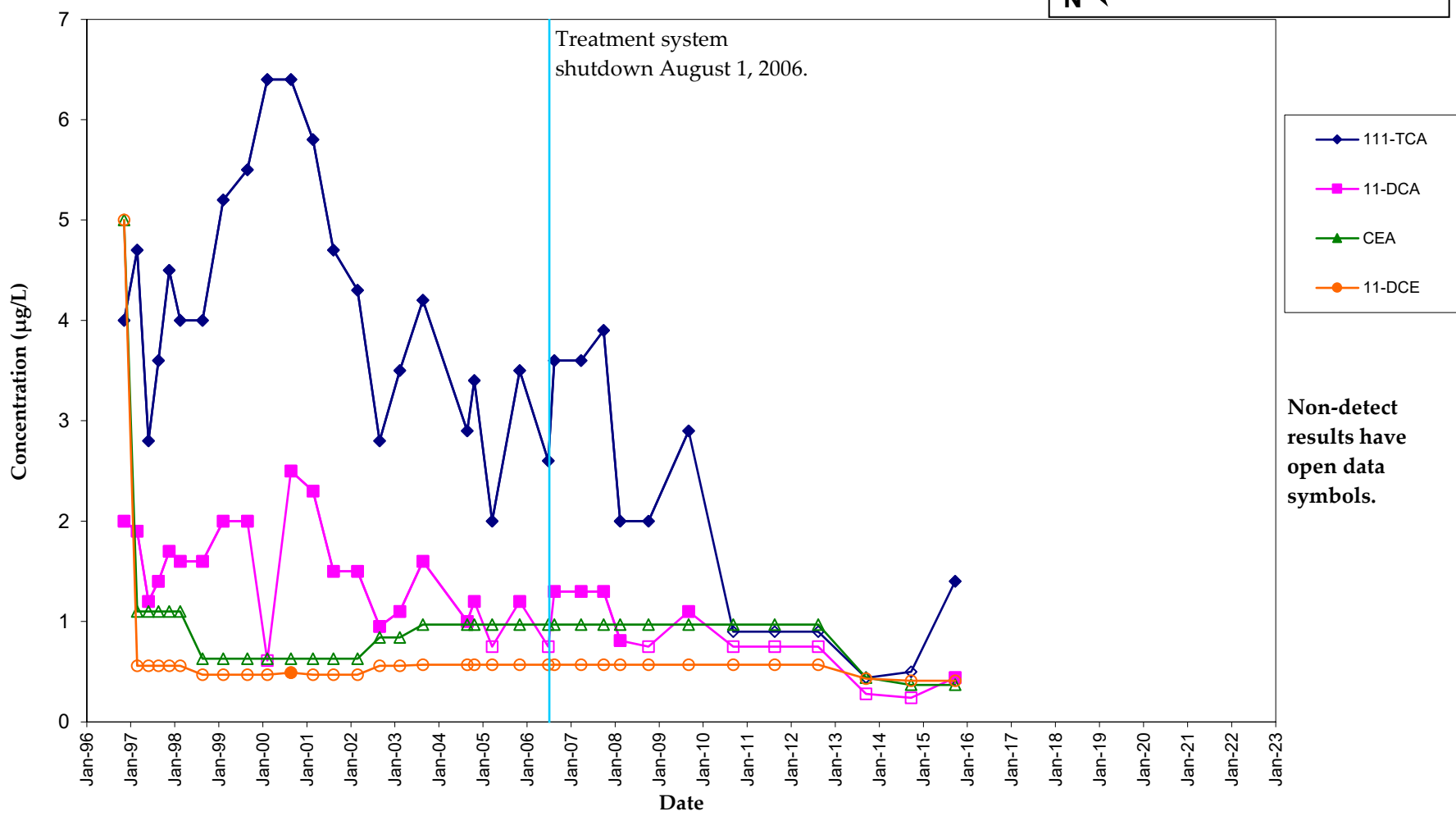
# RM-010D VOC Concentration Trends Lemberger Landfill

RM-10D

LL

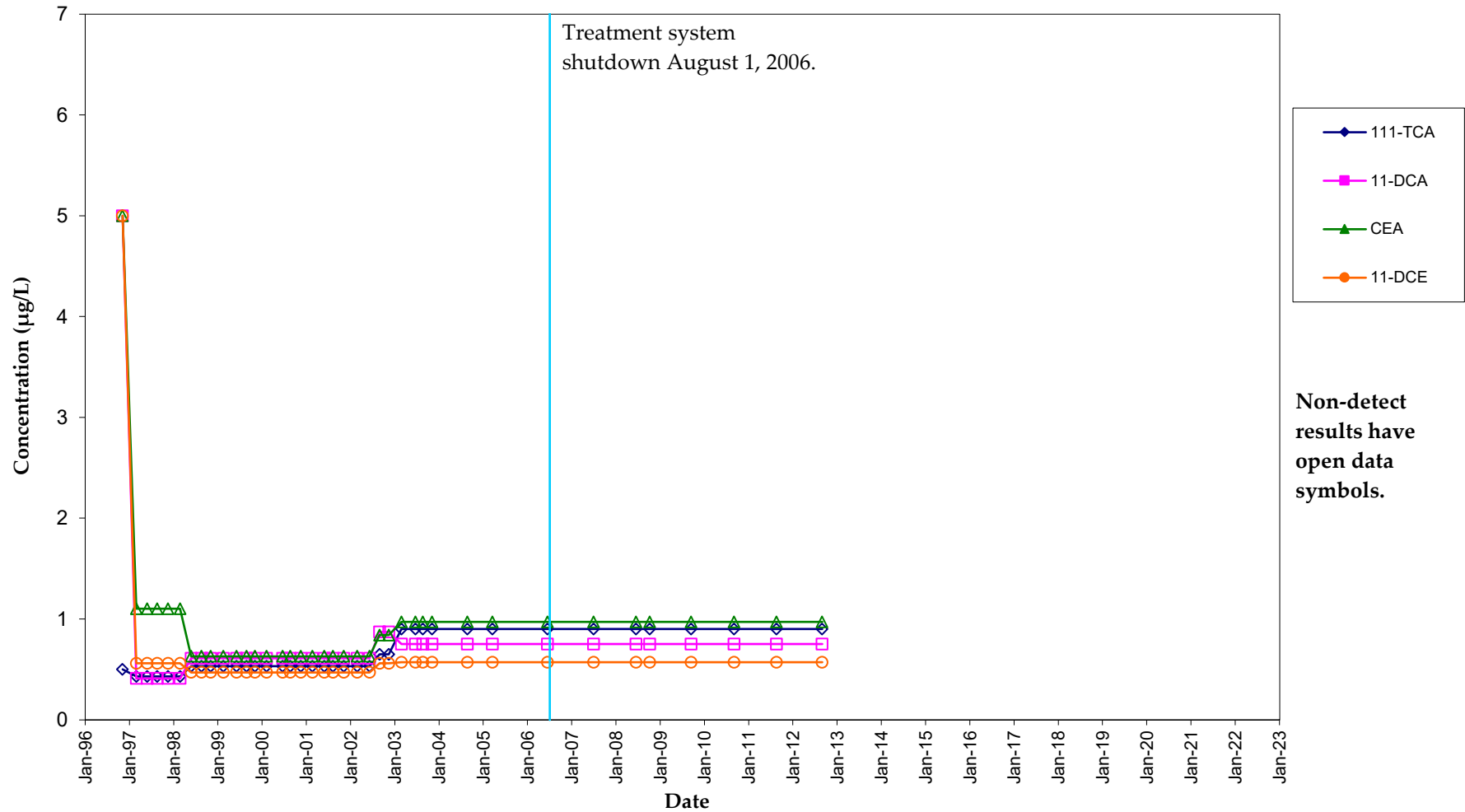
LTR

**N** ←



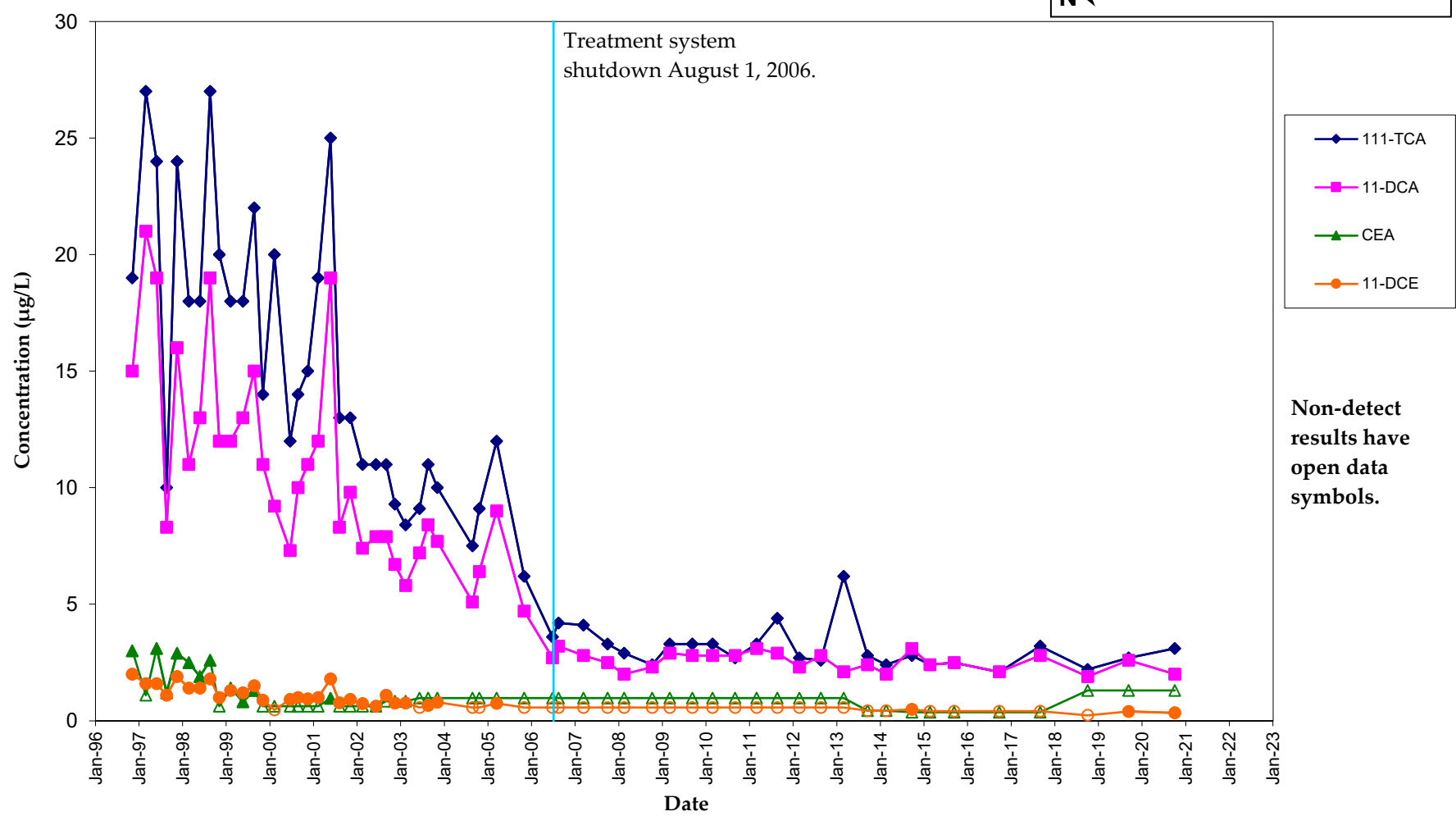
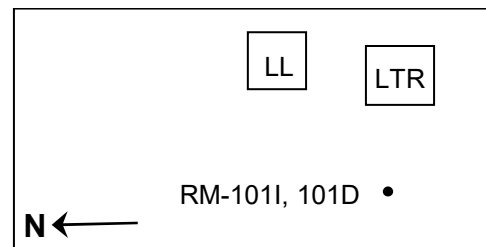
Non-detect results have open data symbols.

# RM-011D VOC Concentration Trends Lemberger Landfill





# RM-101D VOC Concentration Trends Lemberger Landfill



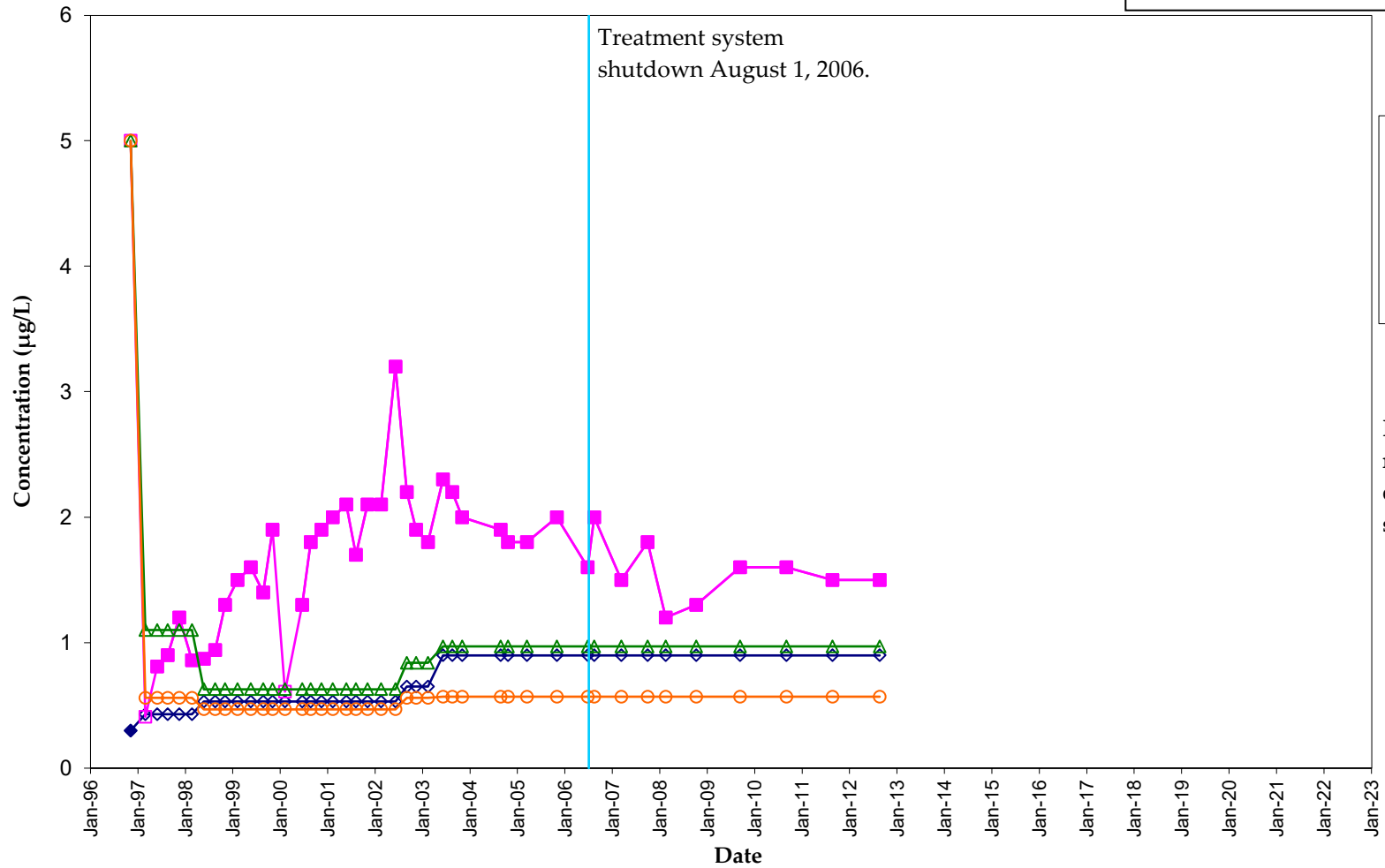
# RM-101I VOC Concentration Trends Lemberger Landfill

LL

LTR

RM-101I, 101D •

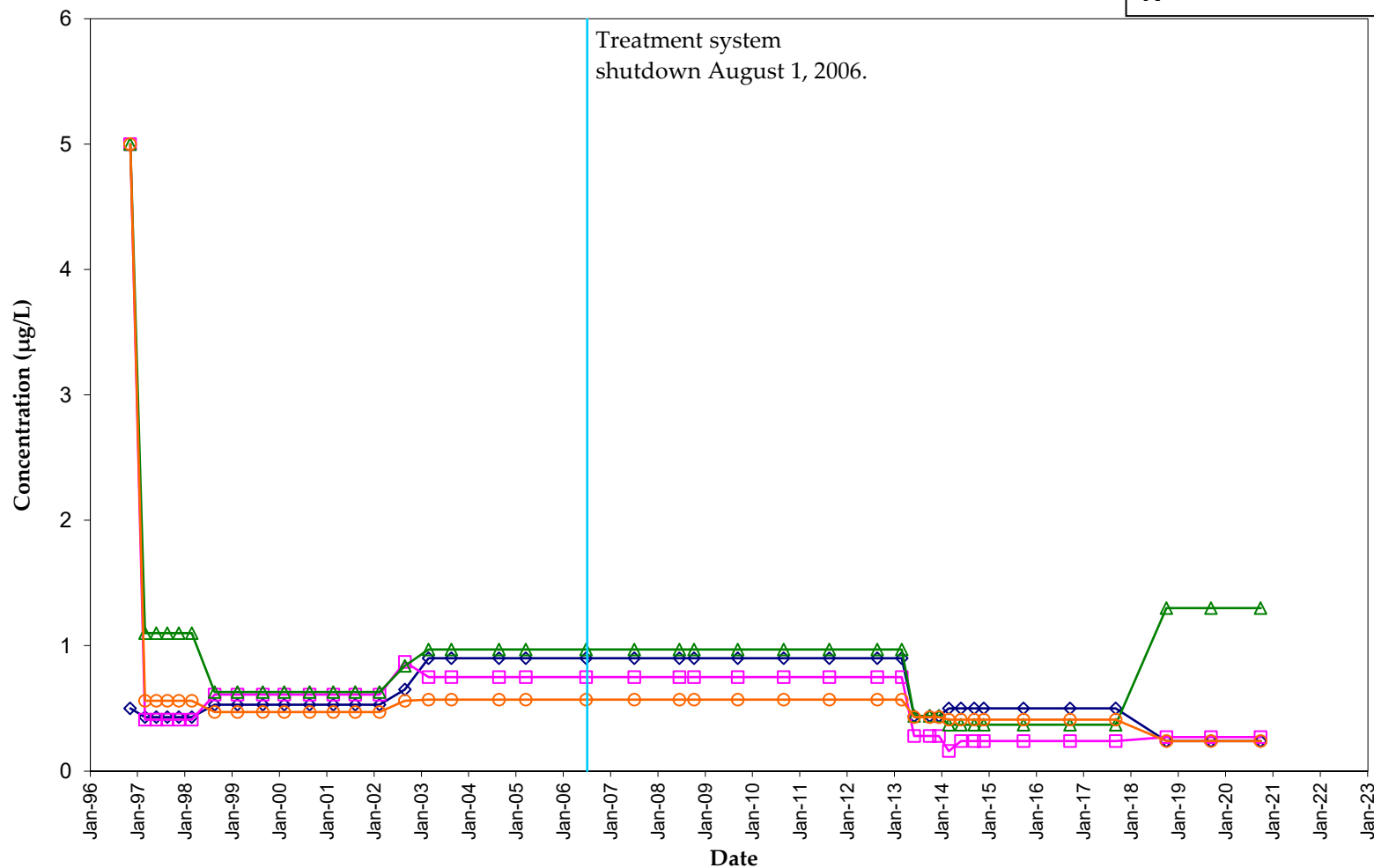
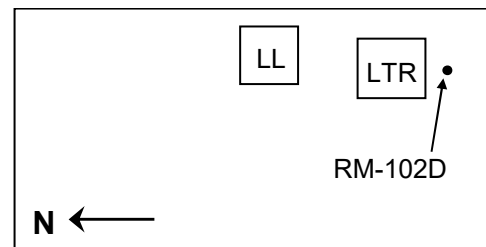
N ←



- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

Non-detect results have open data symbols.

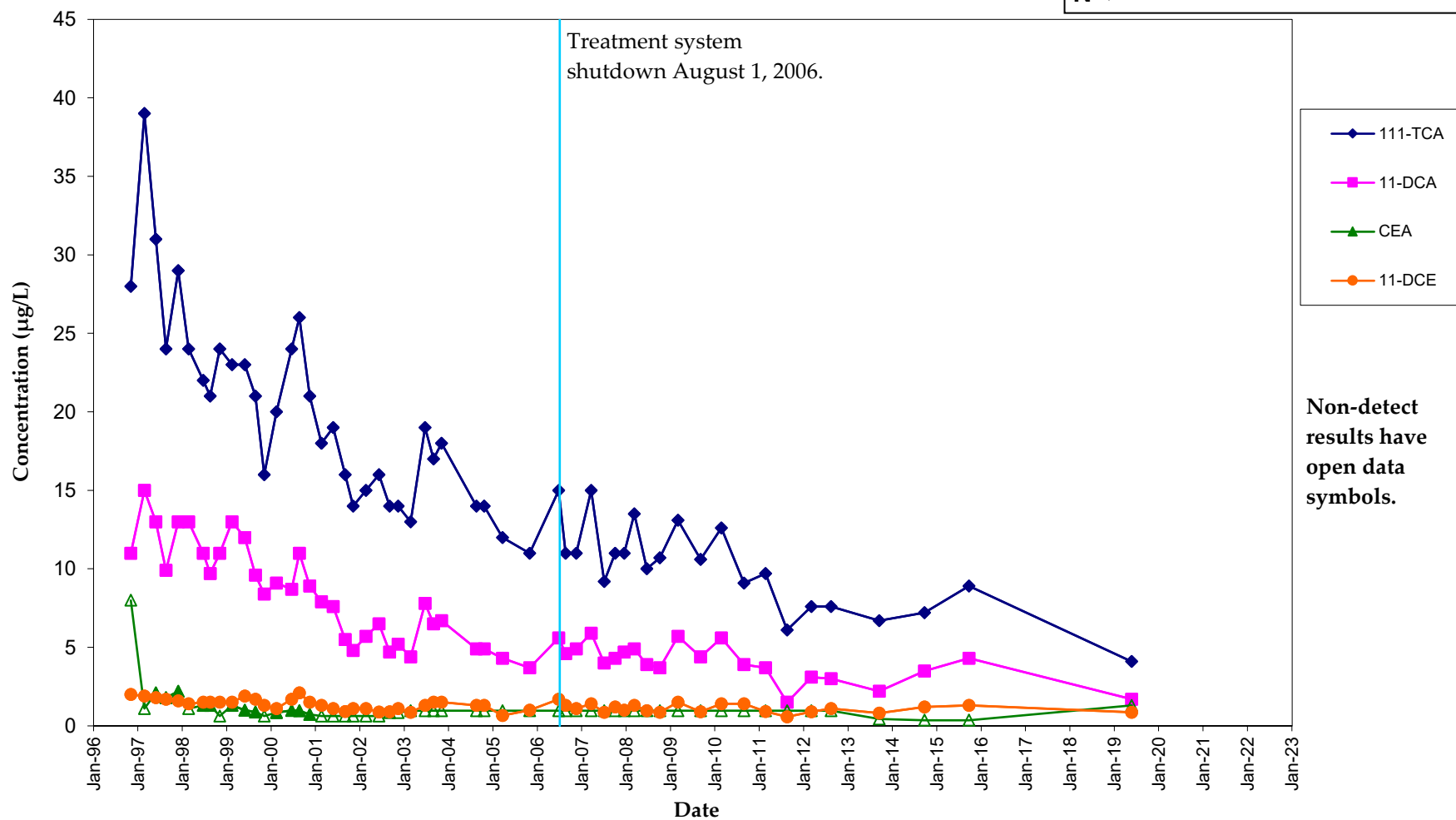
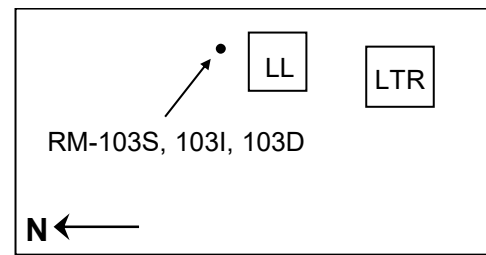
# RM-102D VOC Concentration Trends Lemberger Landfill



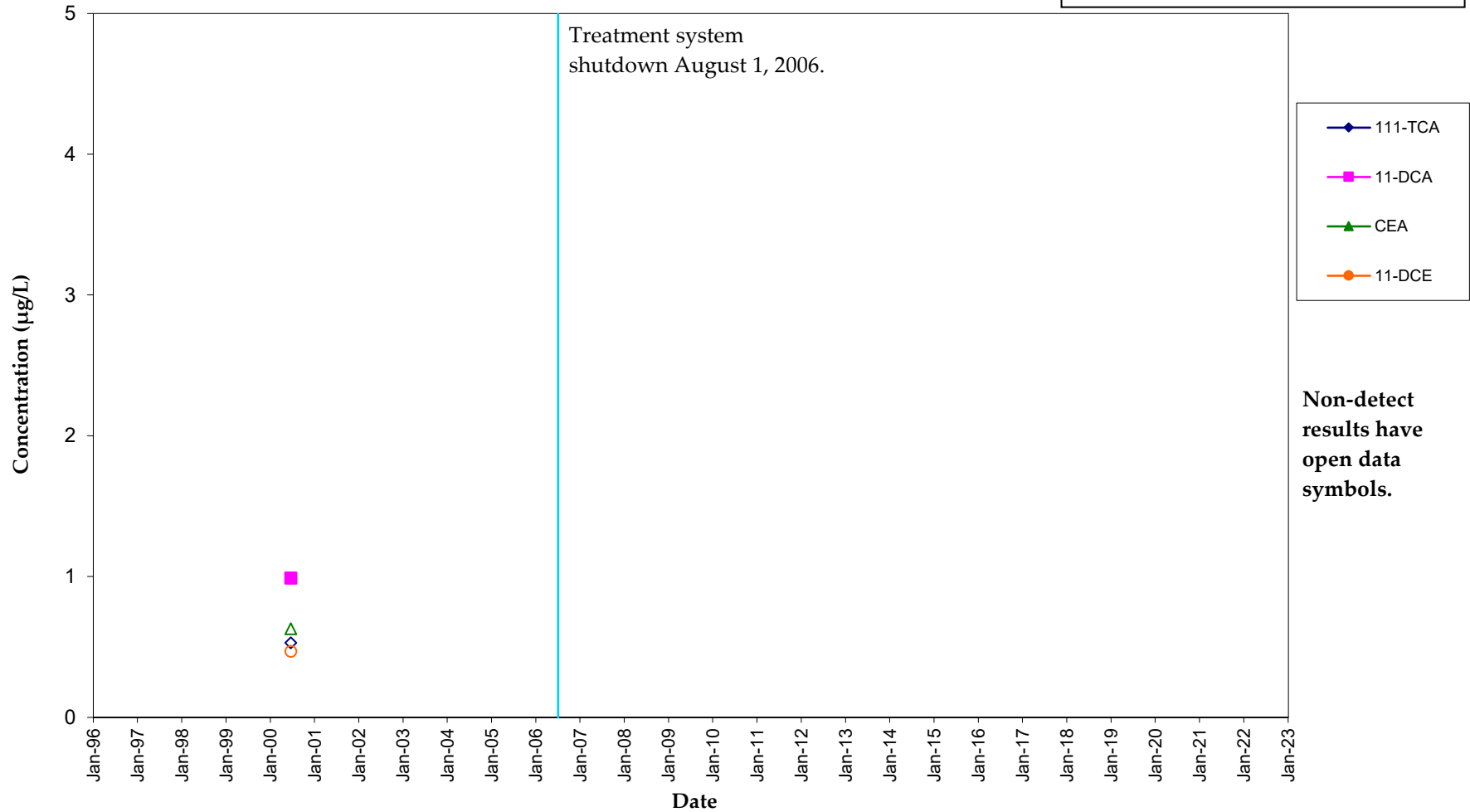
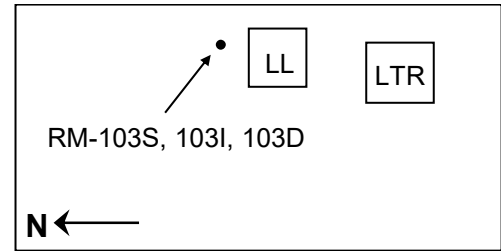
- ◆ 111-TCA
- 11-DCA
- ▲ CEA
- 11-DCE

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

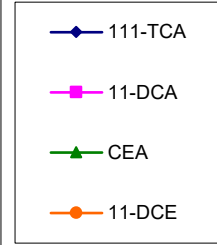
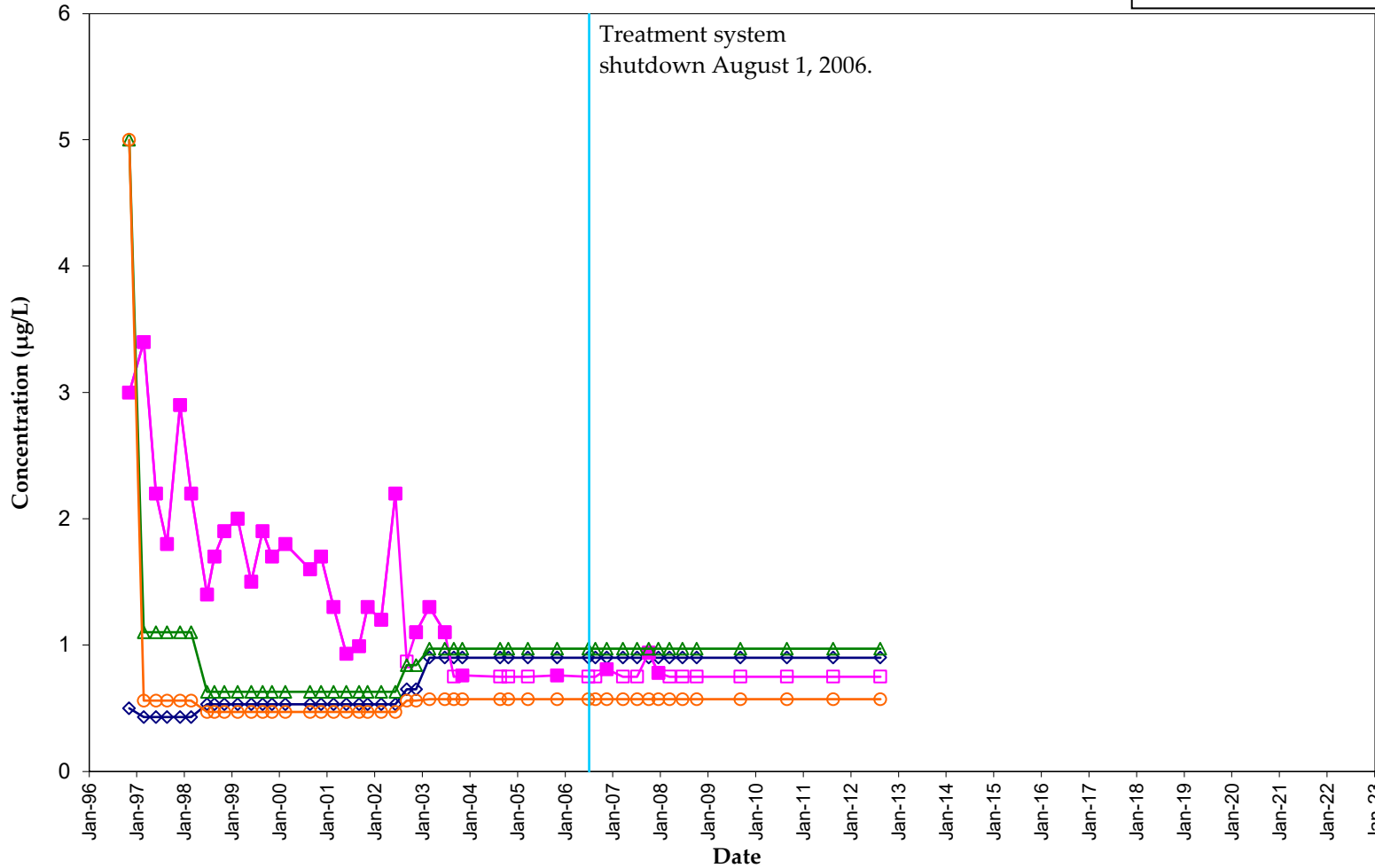
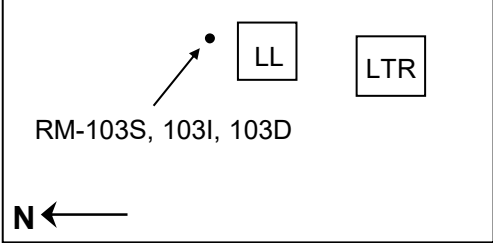
## RM-103D VOC Concentration Trends Lemberger Landfill



# RM-103I VOC Concentration Trends Lemberger Landfill

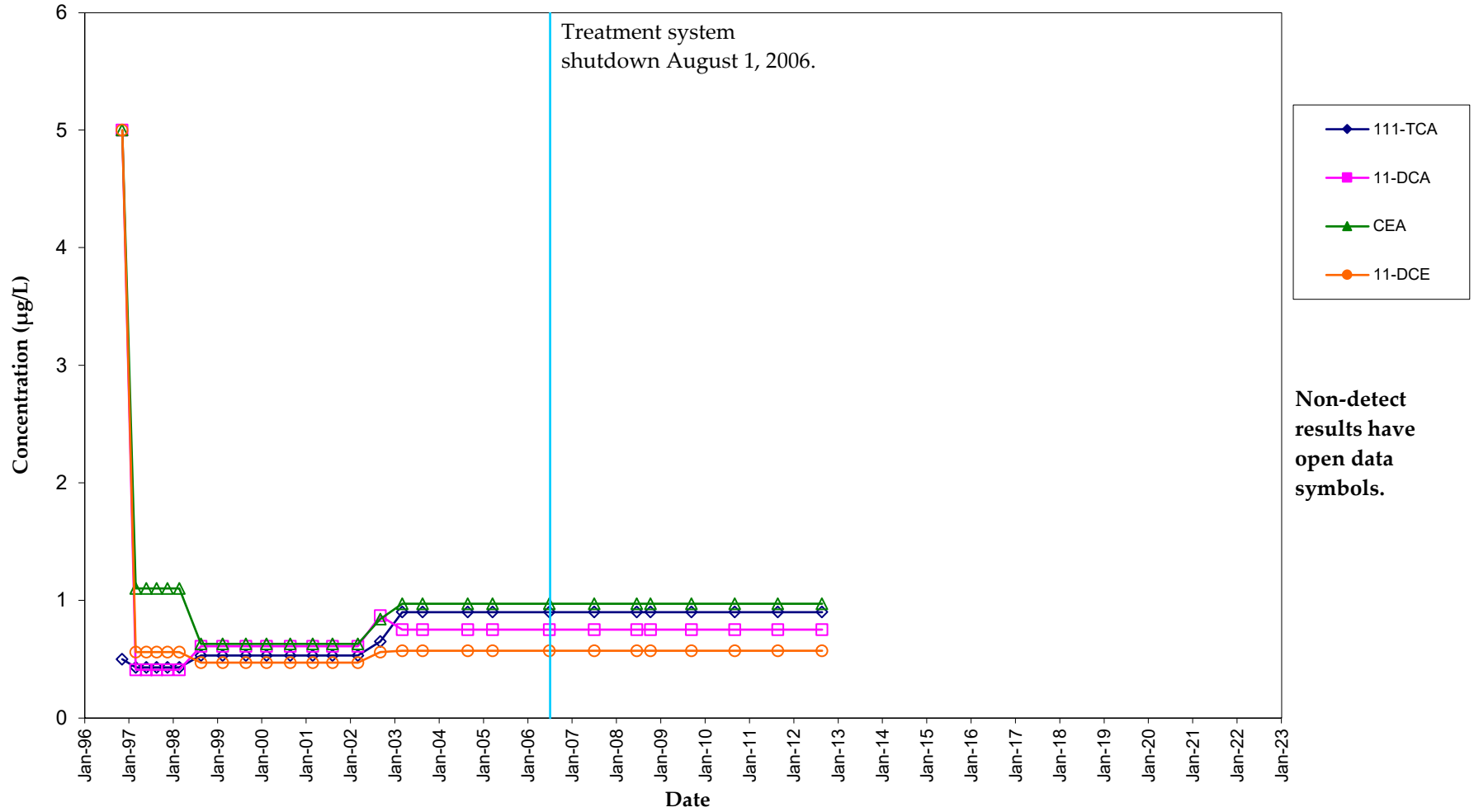


# RM-103S VOC Concentration Trends Lemberger Landfill

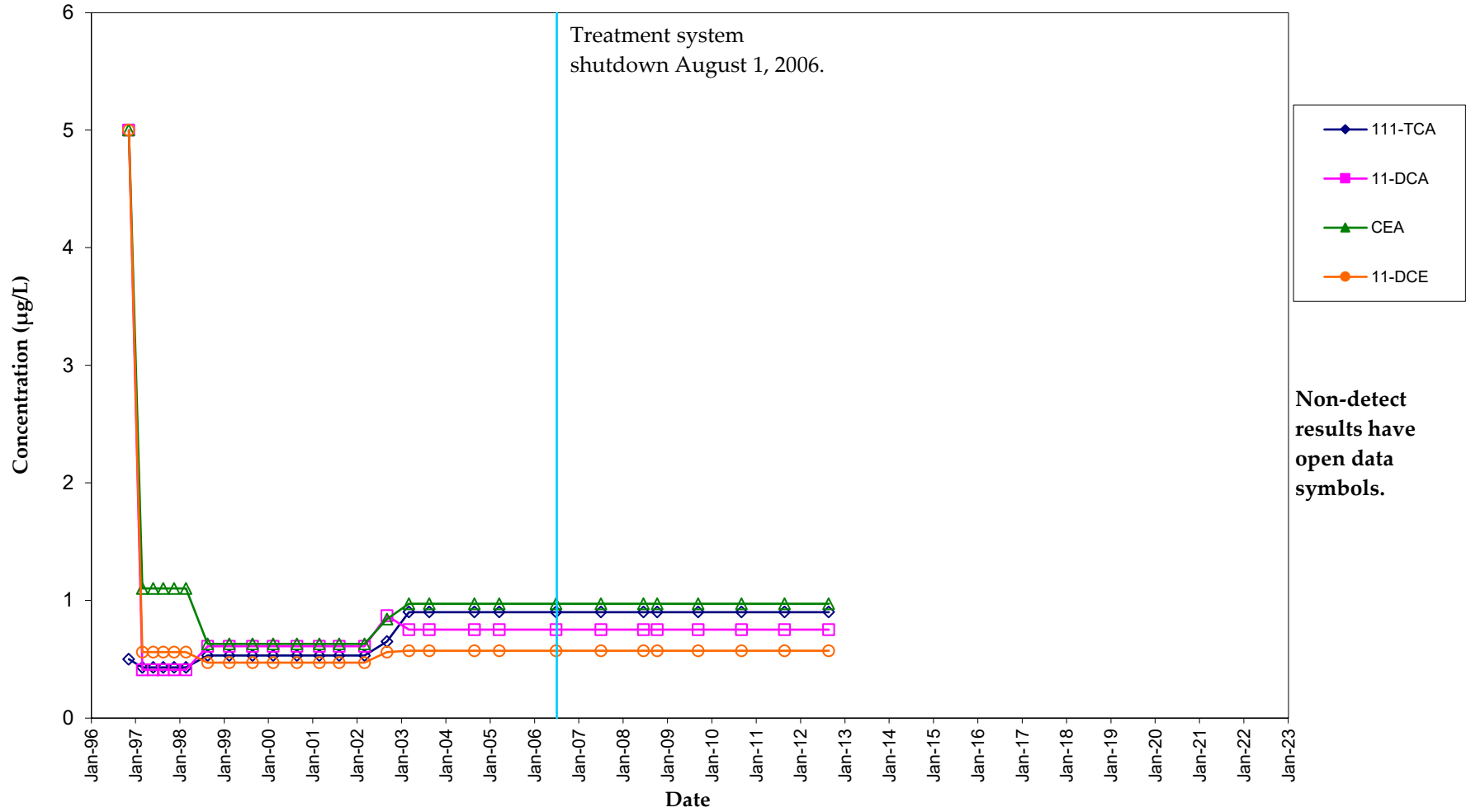


**Non-detect  
results have  
open data  
symbols.**

# RM-201D VOC Concentration Trends Lemberger Landfill

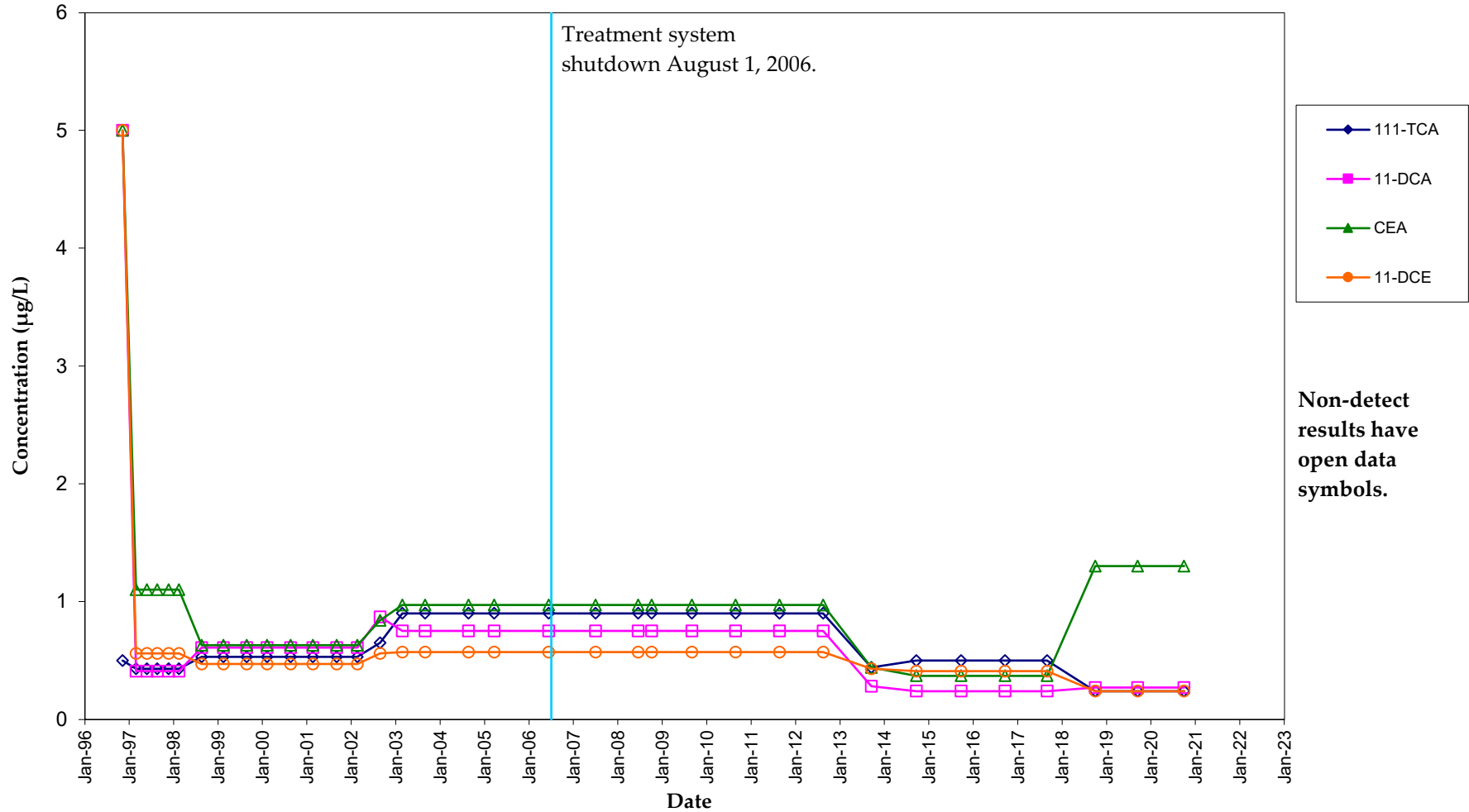


## RM-201I VOC Concentration Trends Lemberger Landfill

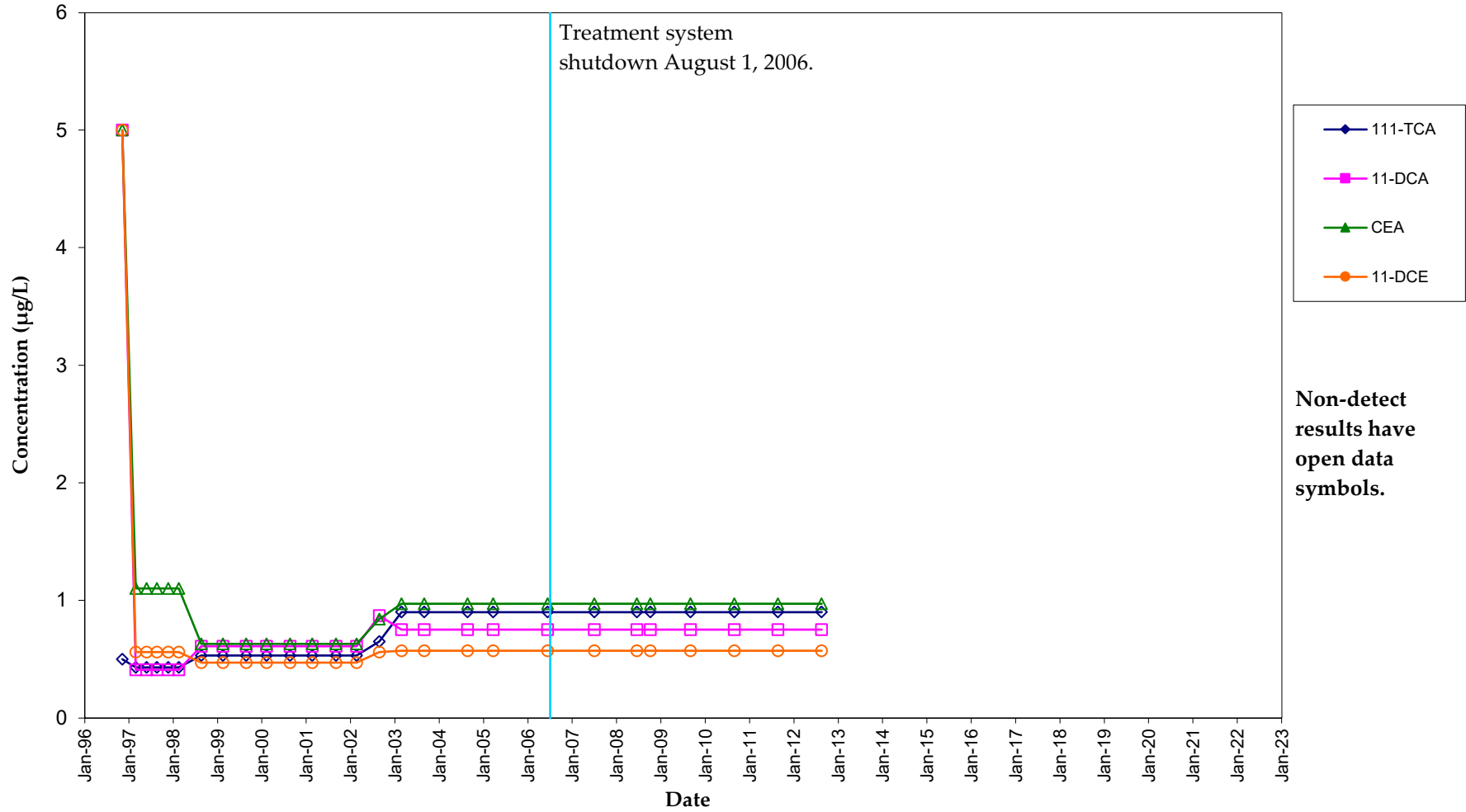




# RM-202D VOC Concentration Trends Lemberger Landfill



# RM-202I VOC Concentration Trends Lemberger Landfill



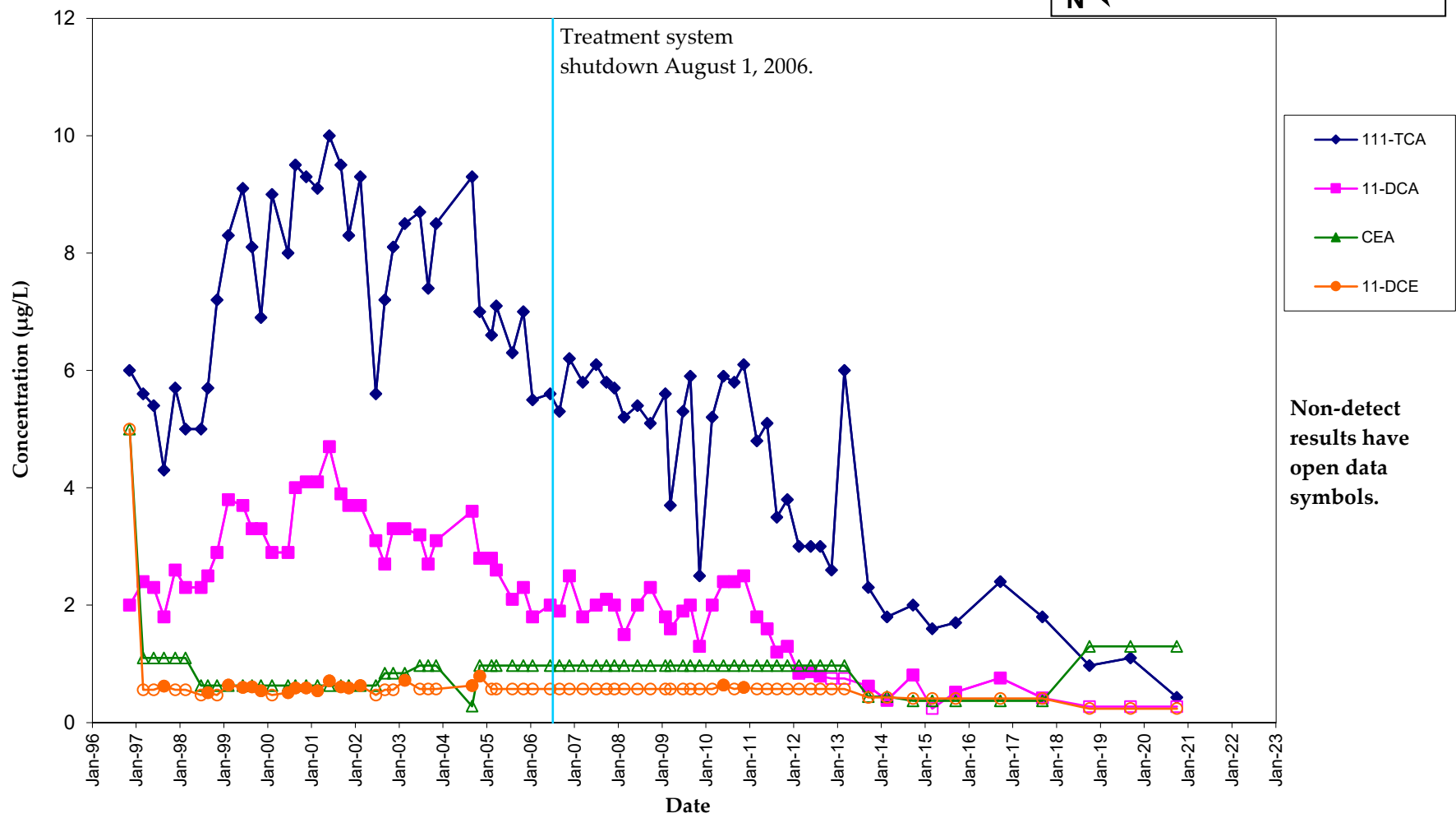
**Non-detect results have open data symbols.**

RM-203D  
 VOC Concentration Trends  
 Lemberger Landfill

LL LTR

● RM-203I, 203D

N ←



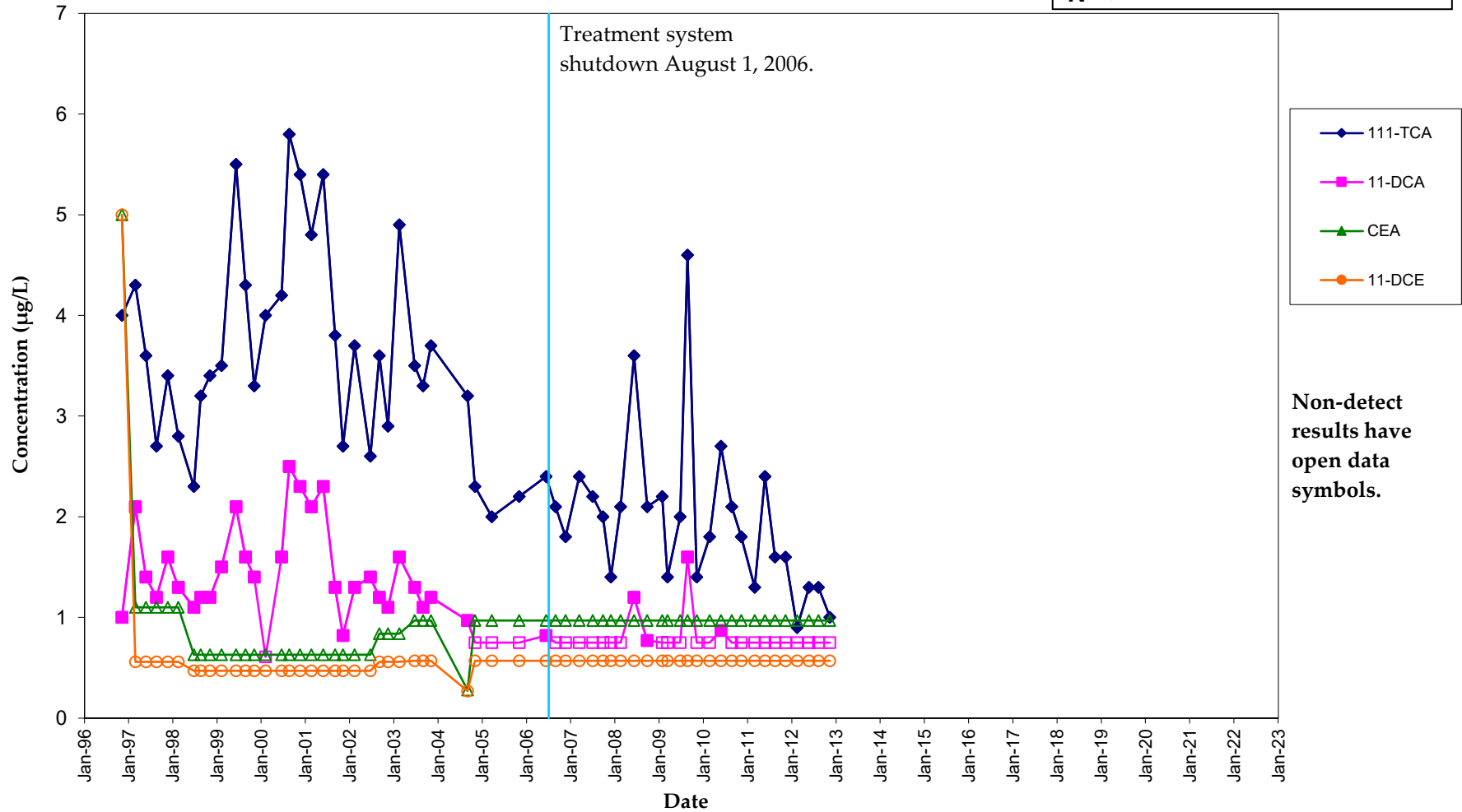
# RM-203I VOC Concentration Trends Lemberger Landfill

LL

LTR

● RM-203I, 203D

N ←



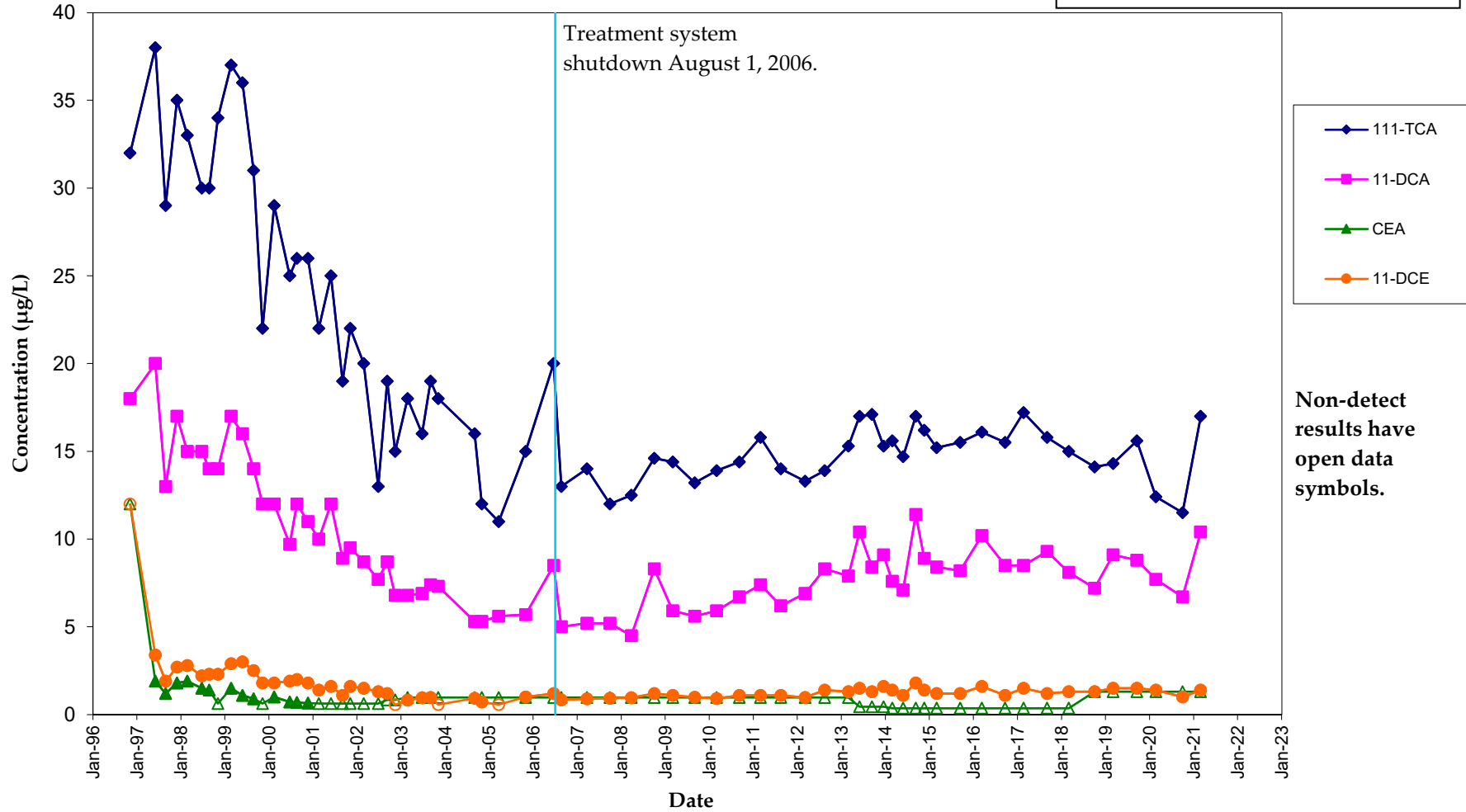
Non-detect results have open data symbols.

# RM-204D VOC Concentration Trends Lemberger Landfill

● LL    □ LTR

RM-204I, 204D

N ←



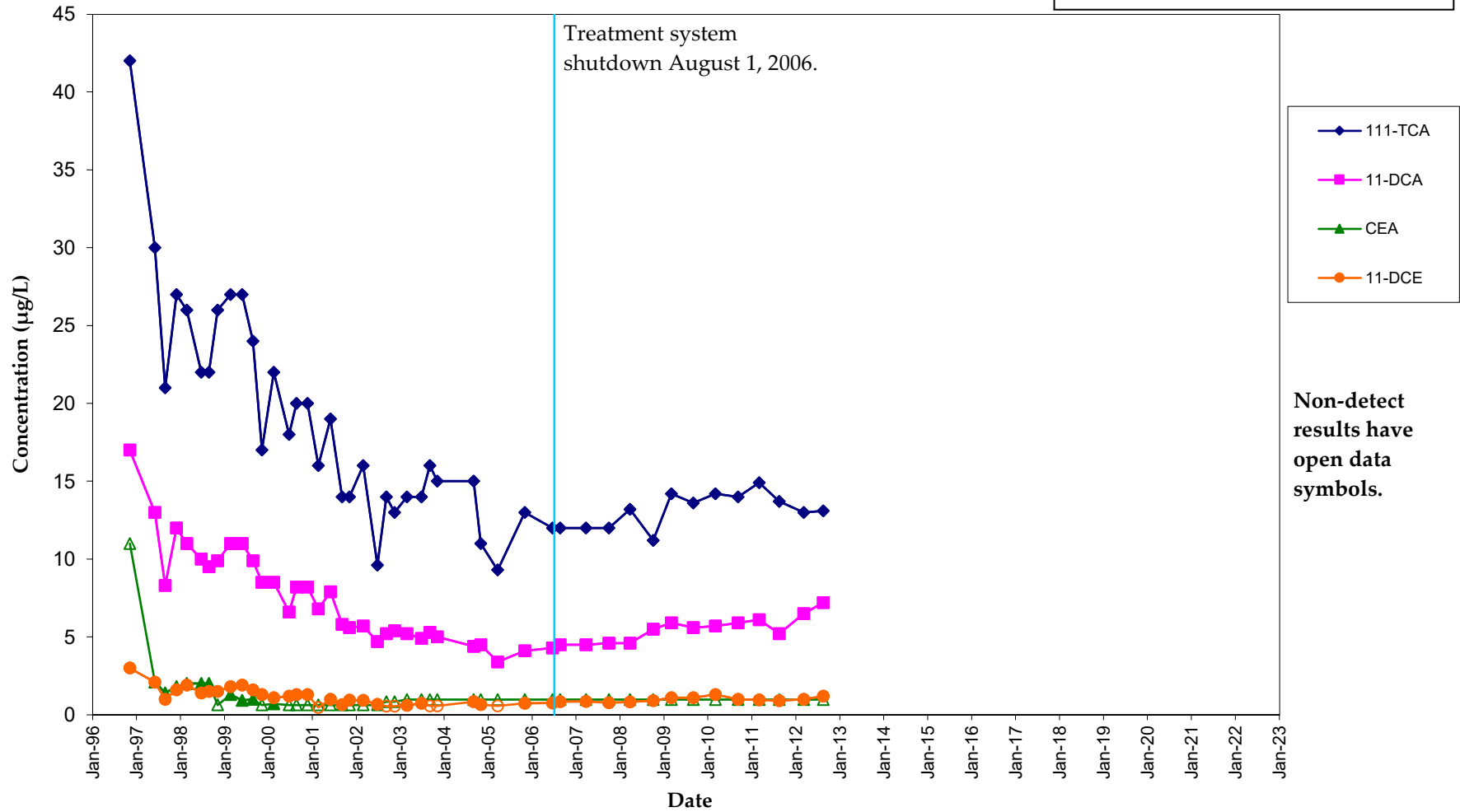
Non-detect results have open data symbols.

# RM-204I VOC Concentration Trends Lemberger Landfill

● LL      □ LTR

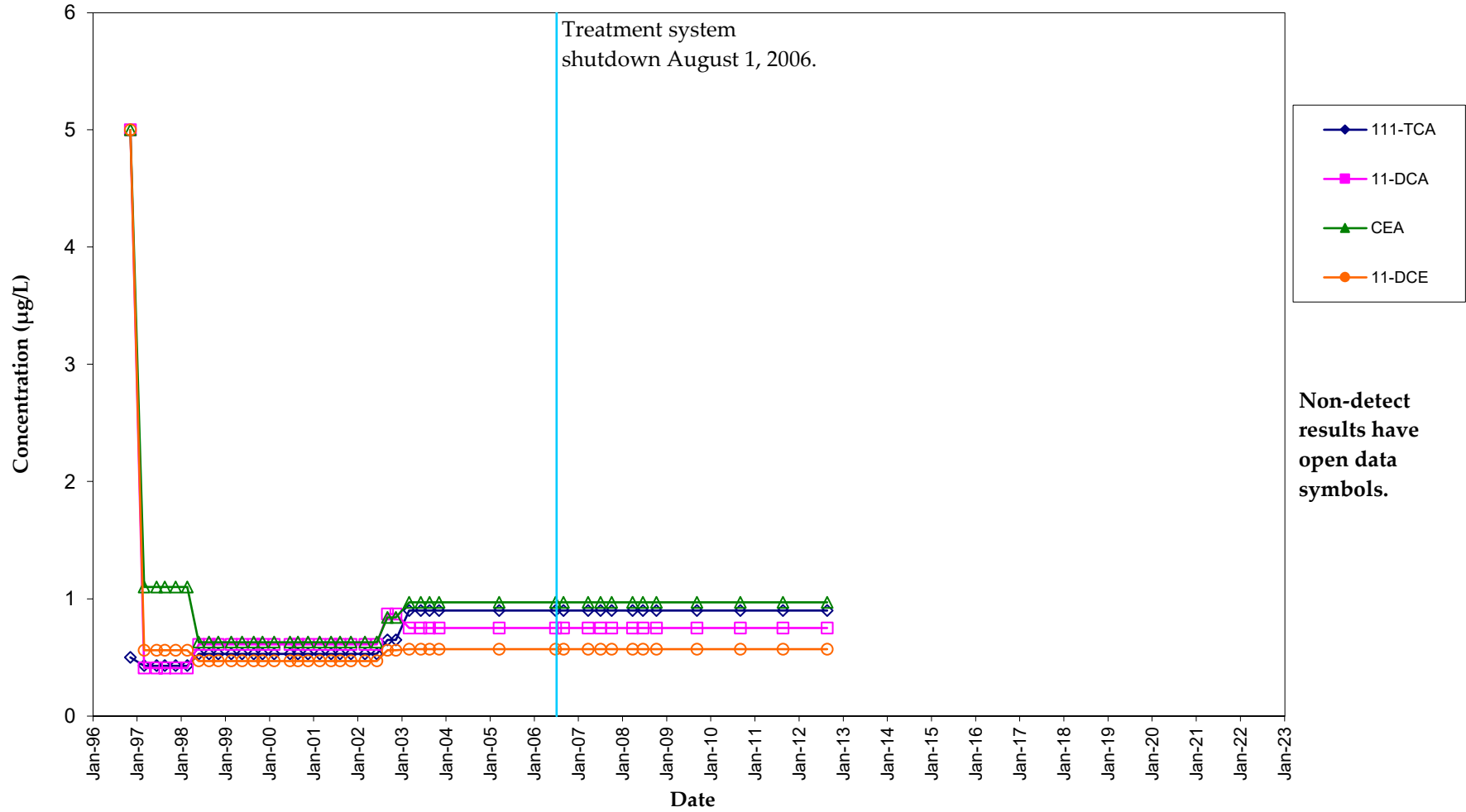
RM-204I, 204D

N ←



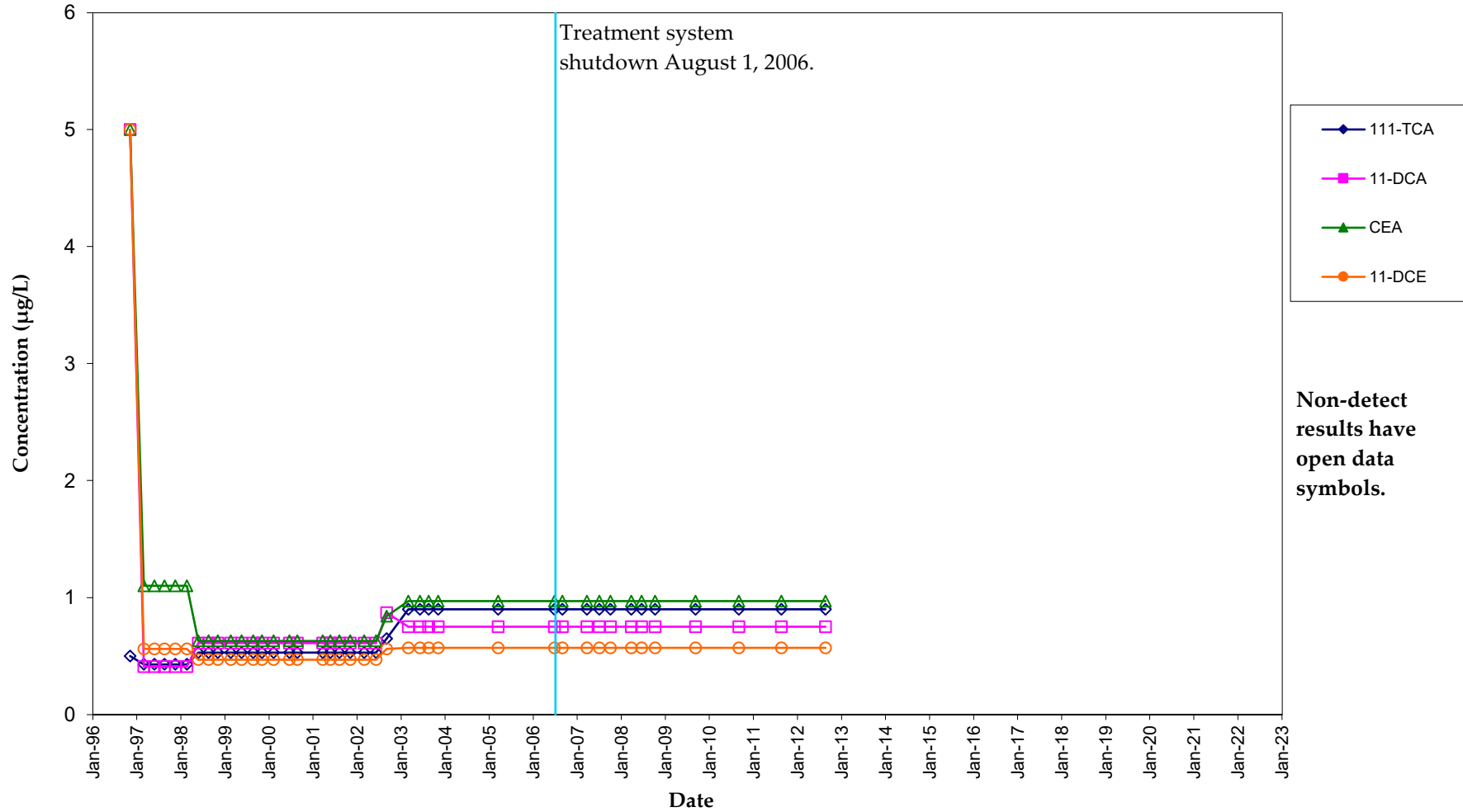
Non-detect results have open data symbols.

# RM-205D VOC Concentration Trends Lemberger Landfill



Non-detect results have open data symbols.

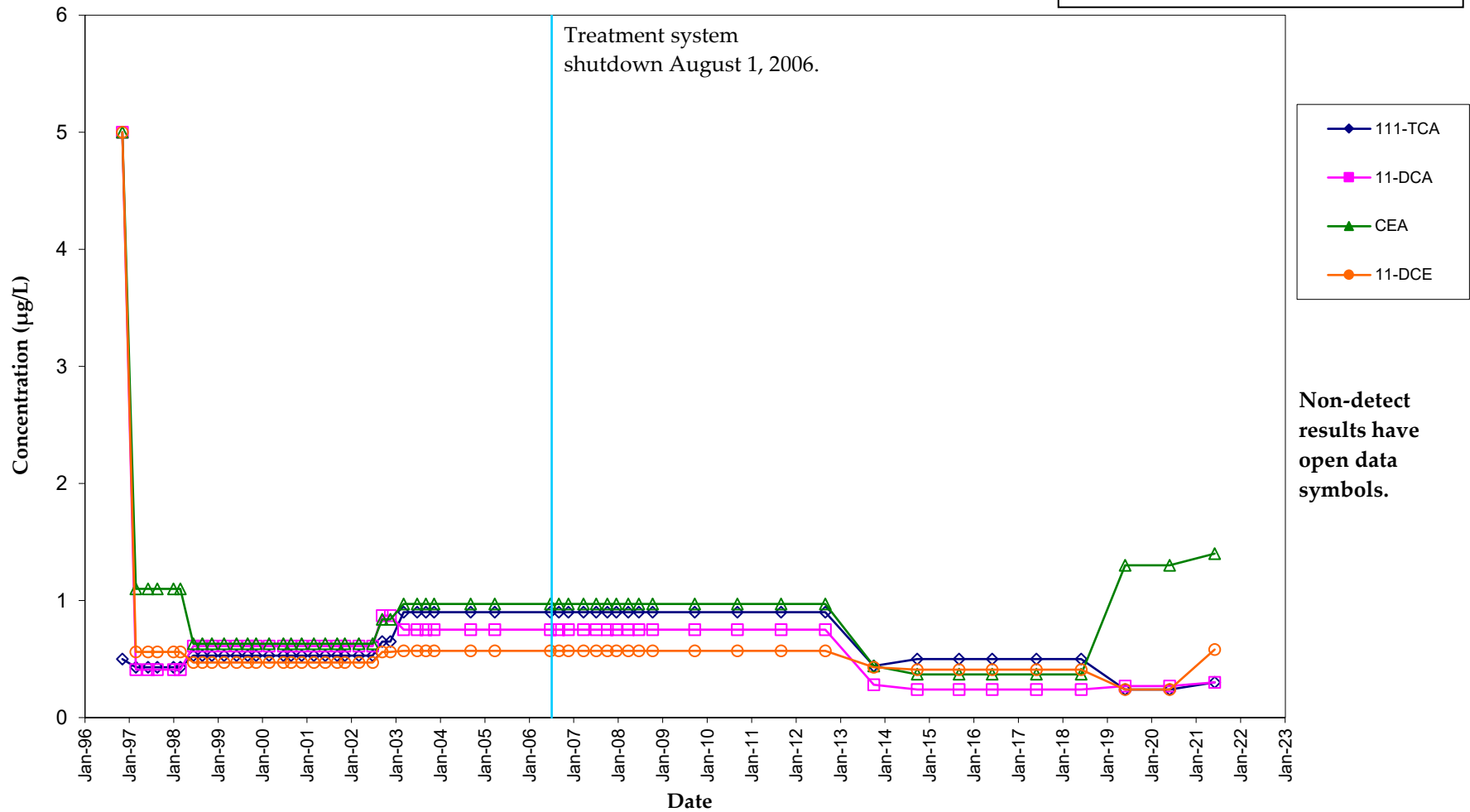
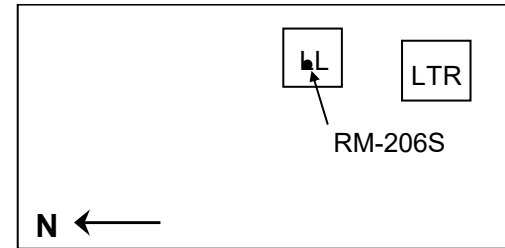
## RM-205I VOC Concentration Trends Lemberger Landfill



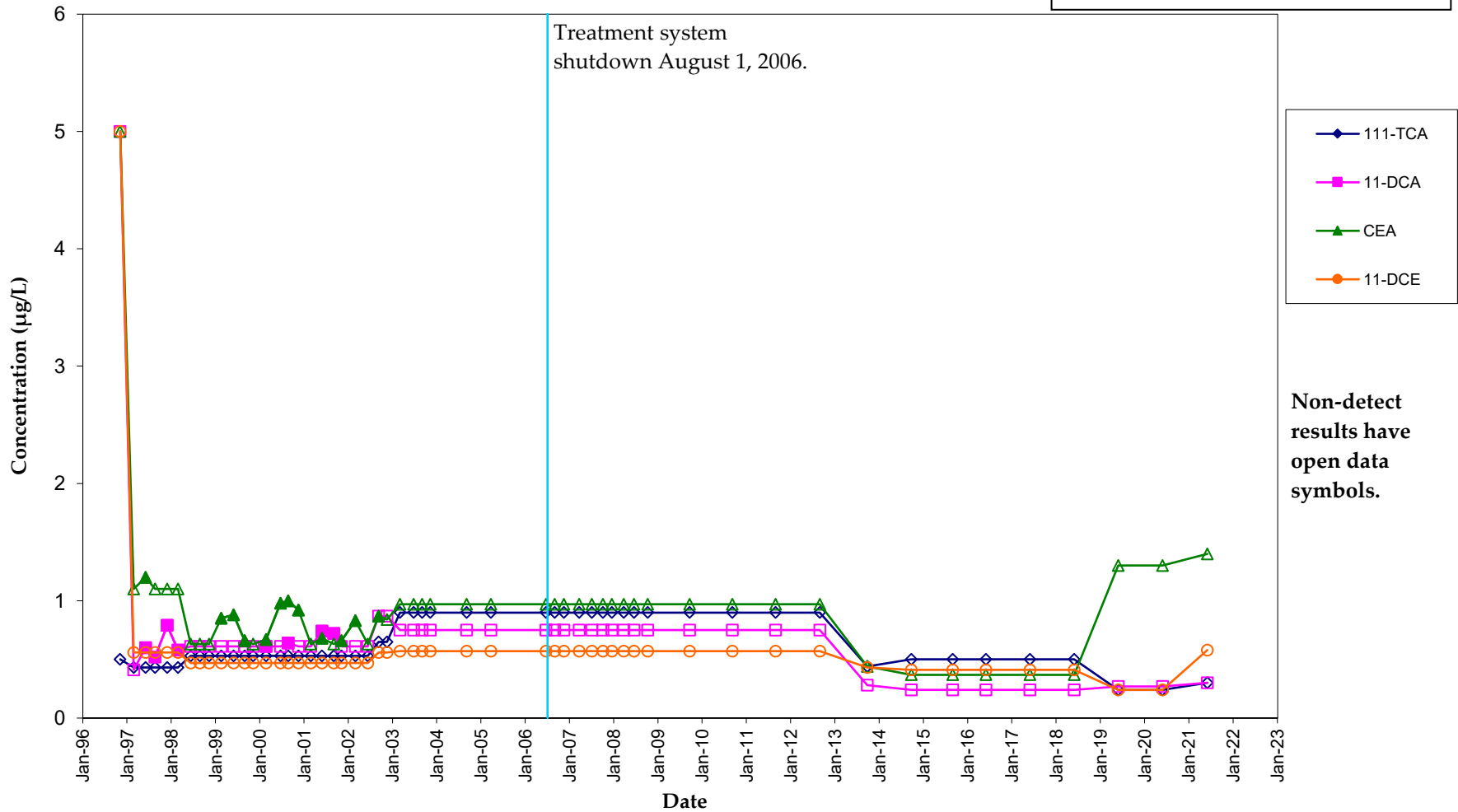
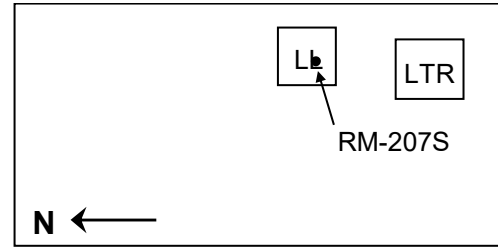
**Non-detect  
results have  
open data  
symbols.**



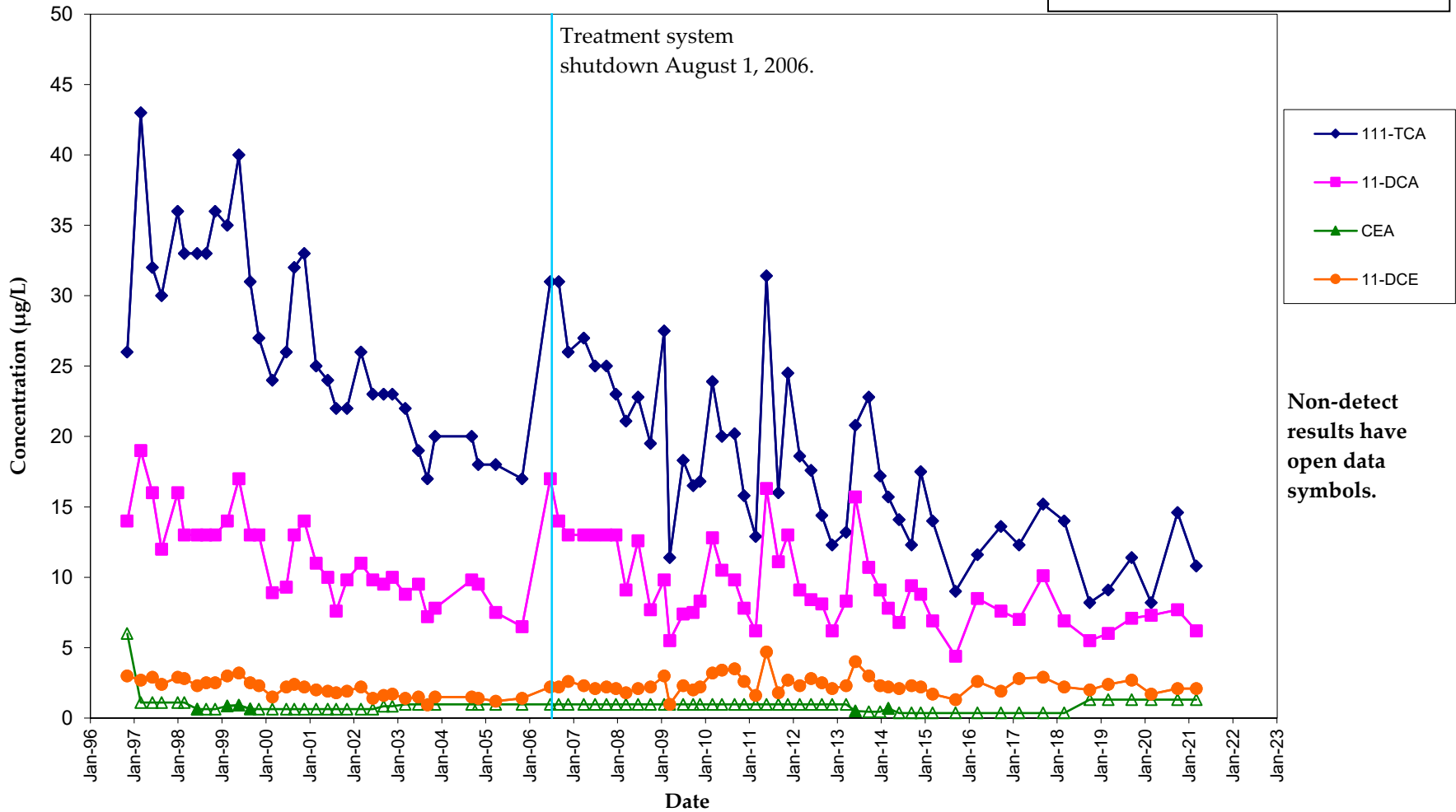
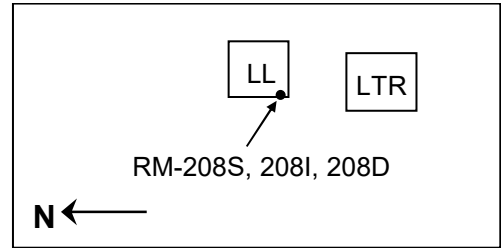
## RM-206S VOC Concentration Trends Lemberger Landfill



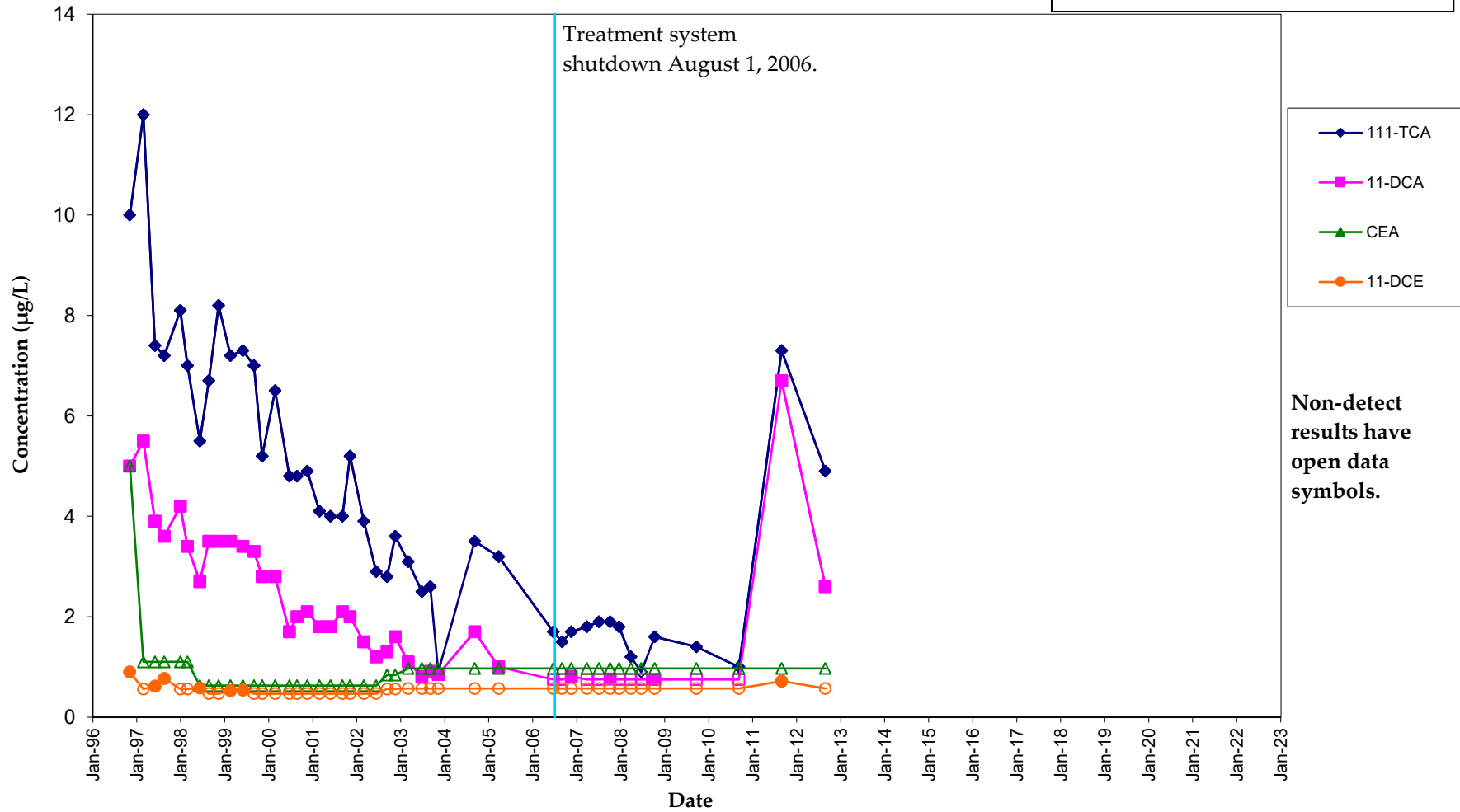
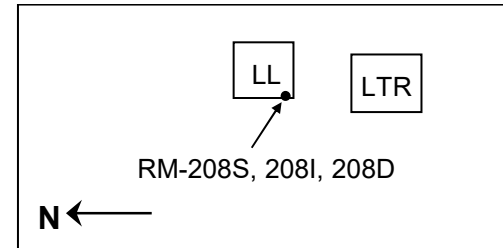
## RM-207S VOC Concentration Trends Lemberger Landfill



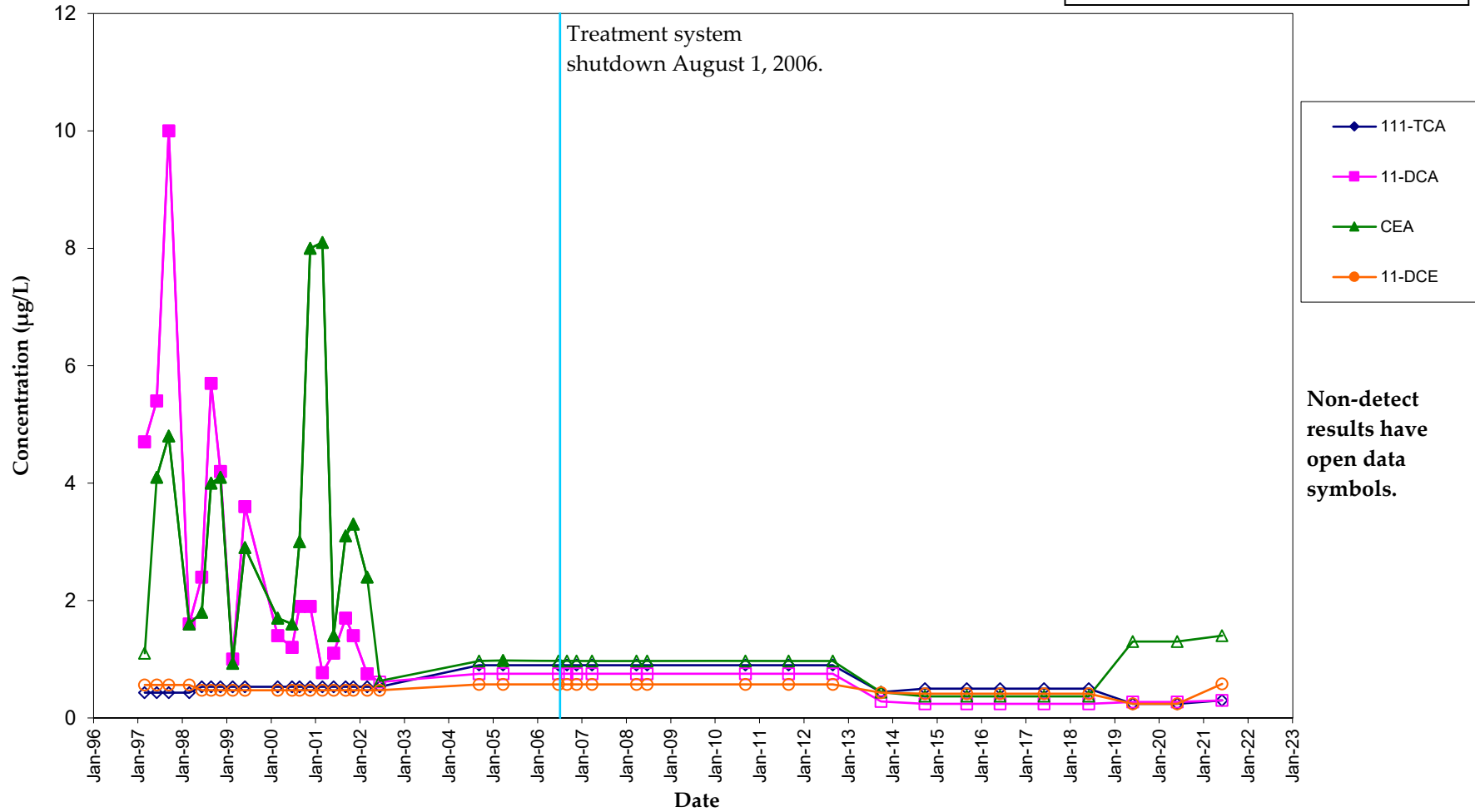
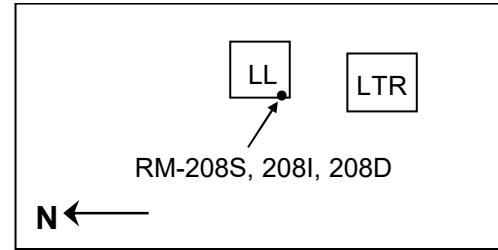
# RM-208D VOC Concentration Trends Lemberger Landfill



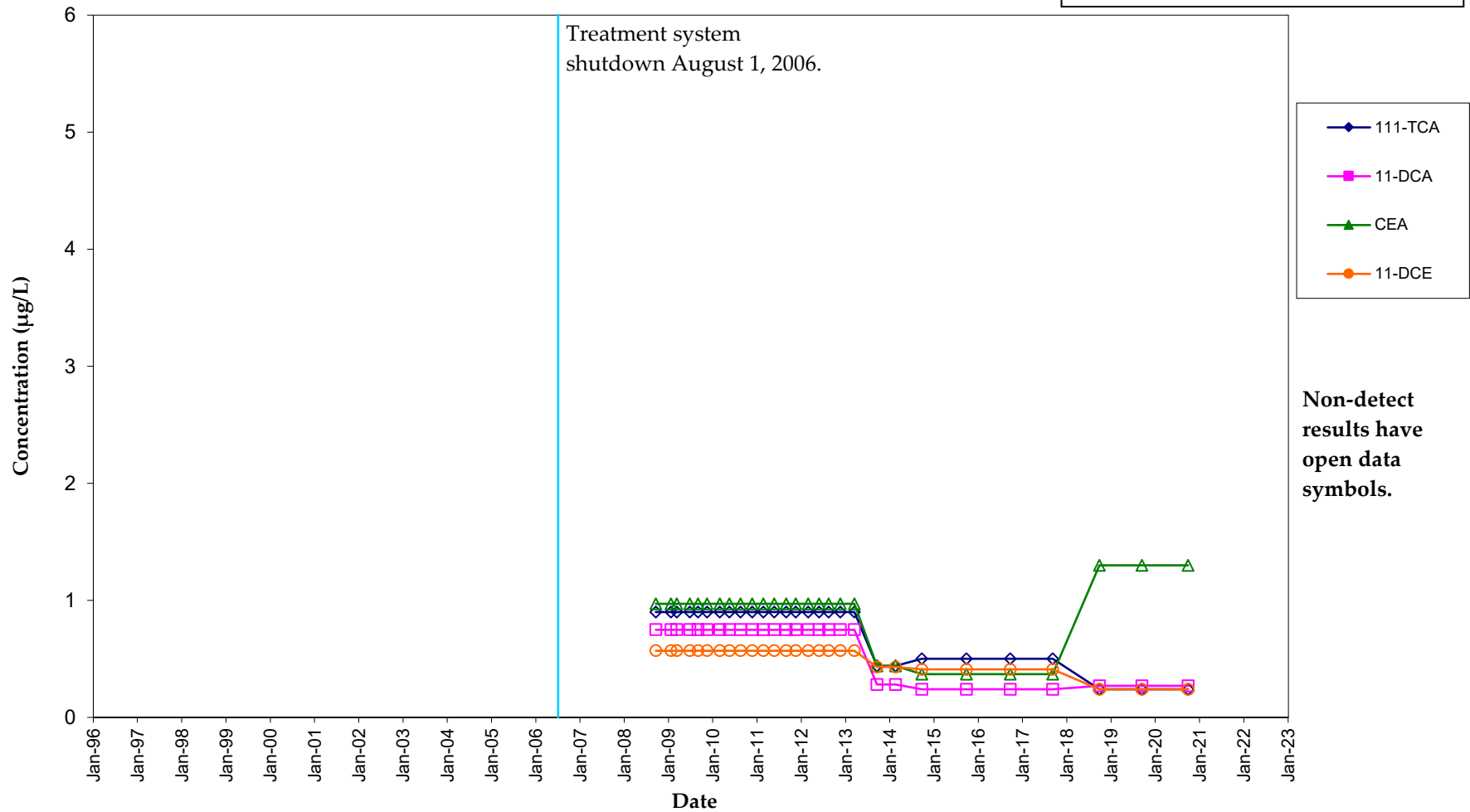
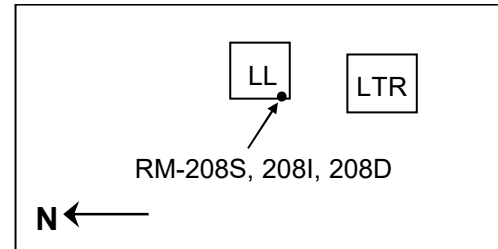
# RM-208I VOC Concentration Trends Lemberger Landfill



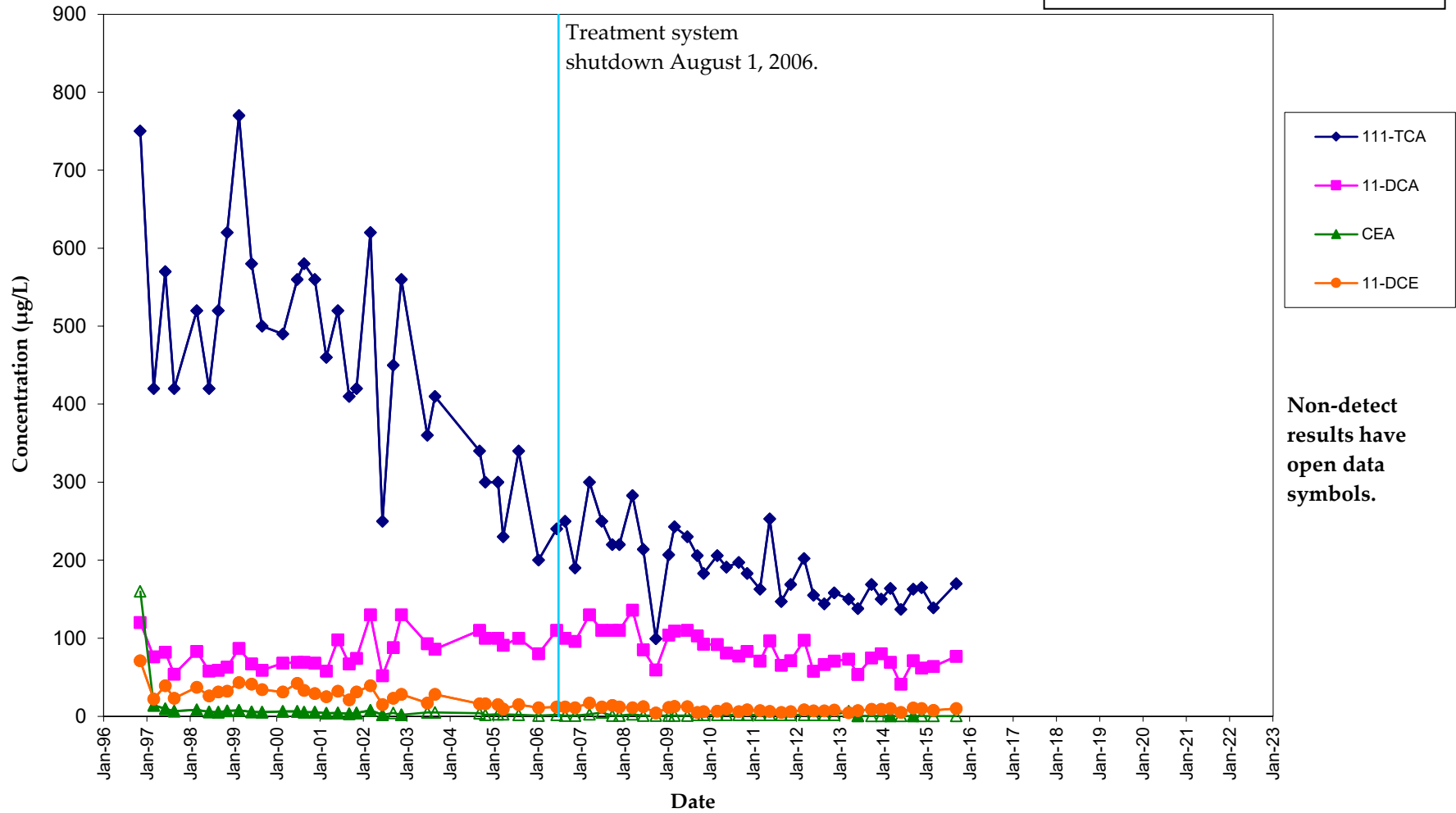
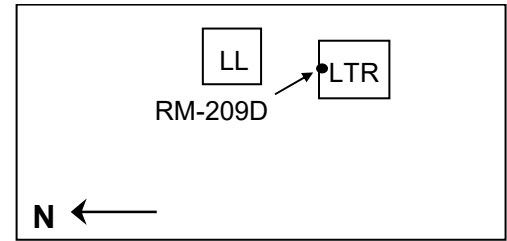
## RM-208S VOC Concentration Trends Lemberger Landfill



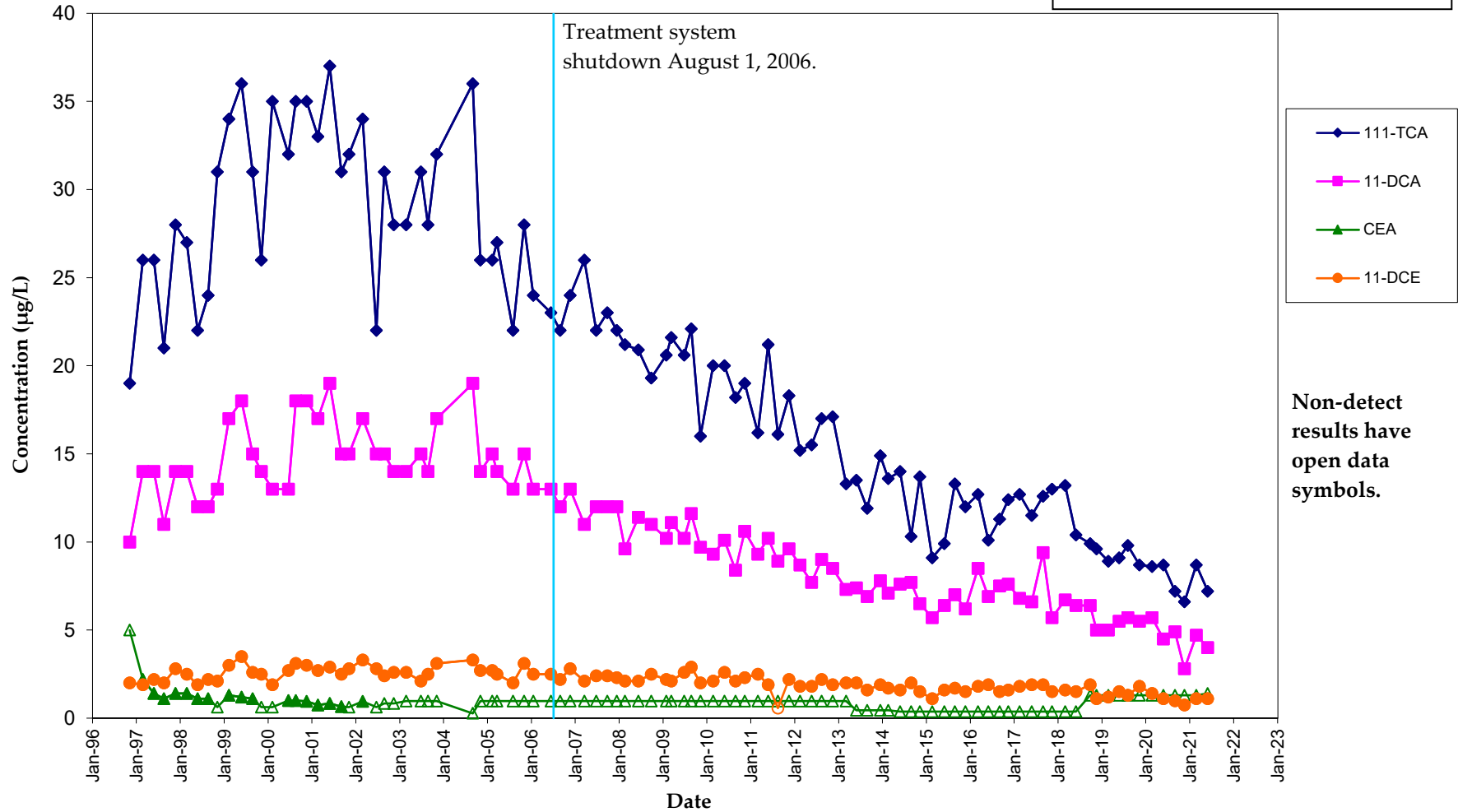
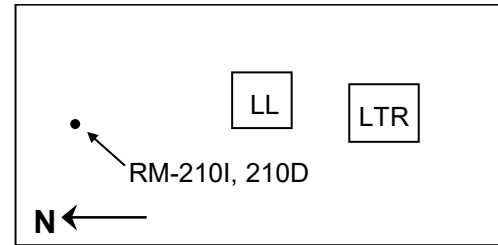
# RM-208XD VOC Concentration Trends Lemberger Landfill



## RM-209D VOC Concentration Trends Lemberger Landfill

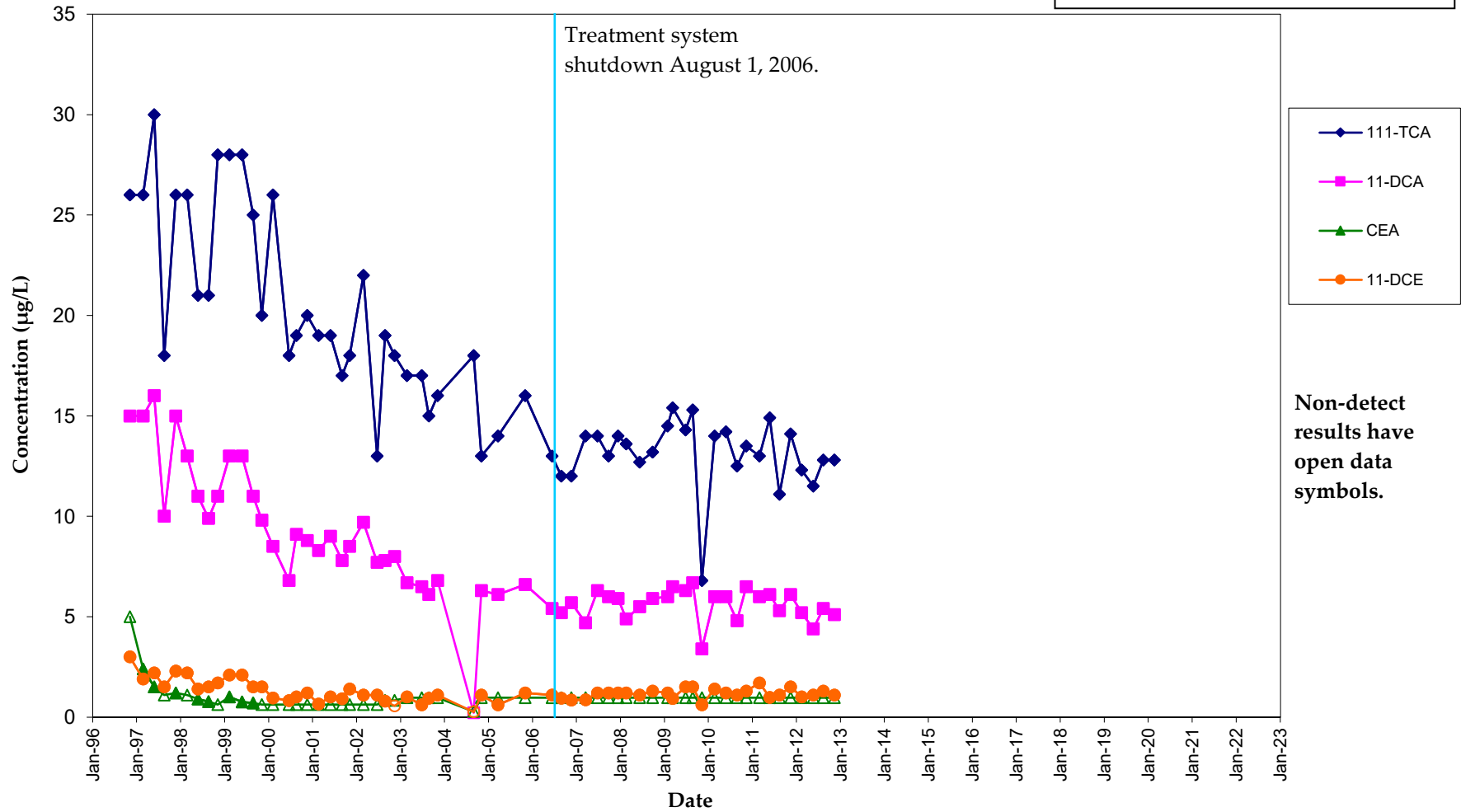
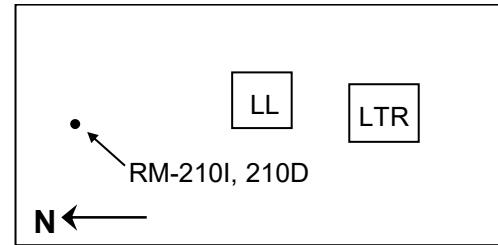


## RM-210D VOC Concentration Trends Lemberger Landfill





## RM-210I VOC Concentration Trends Lemberger Landfill



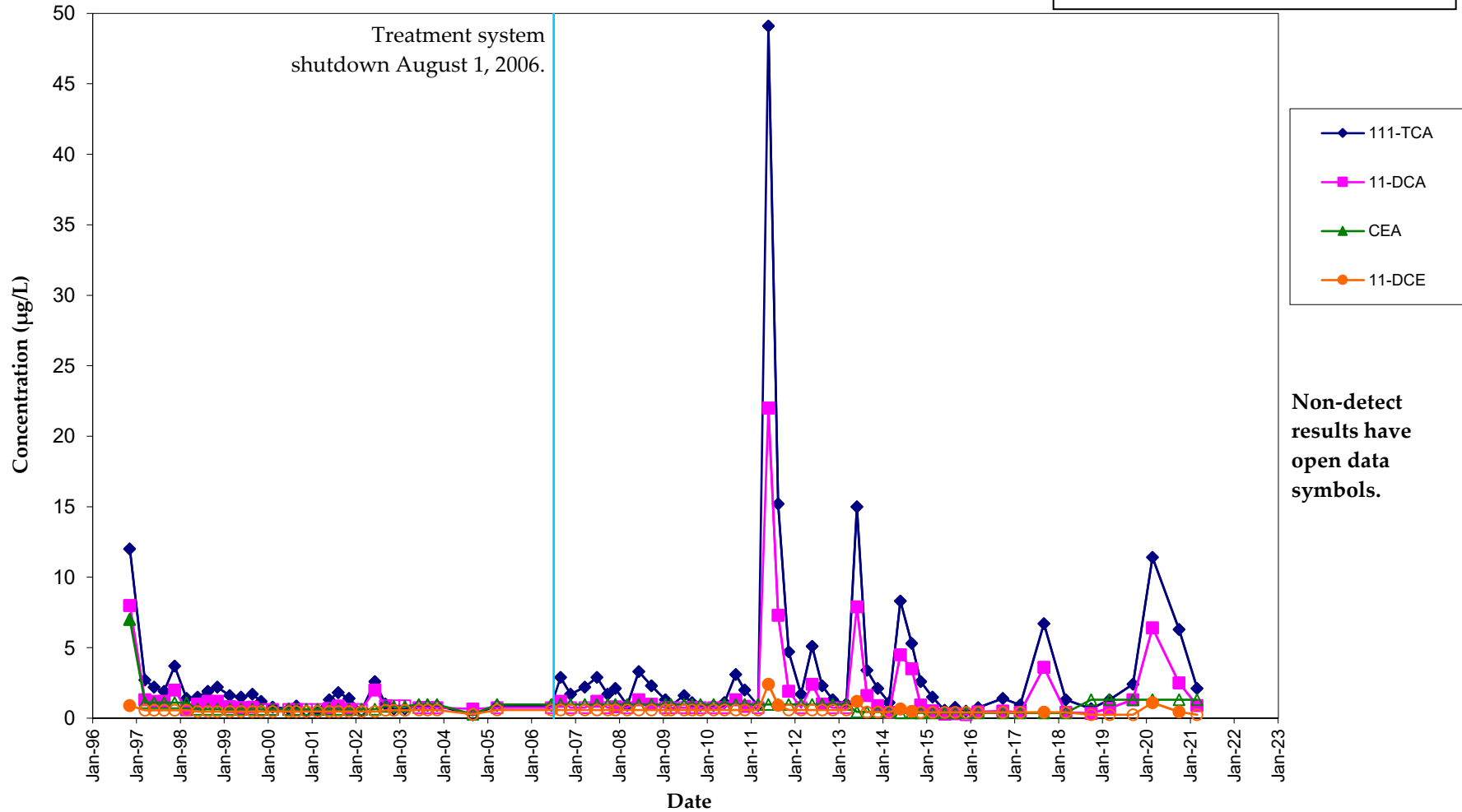
# RM-211D VOC Concentration Trends Lemberger Landfill

LL

LTR

RM-211D

**N** ←



Non-detect  
results have  
open data  
symbols.

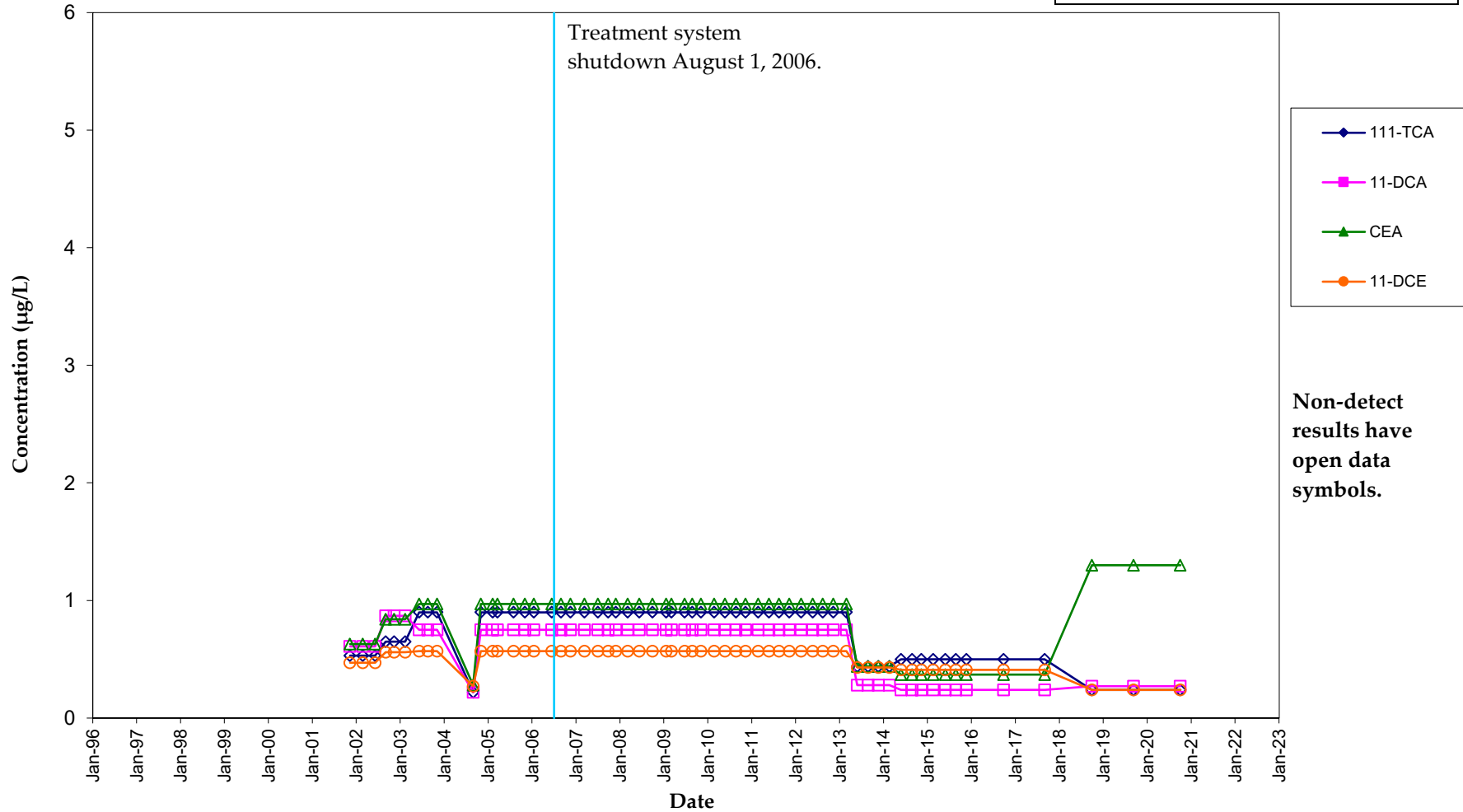
# RM-212D VOC Concentration Trends Lemberger Landfill

LL

LTR

• RM-212I, 212D

**N** ←



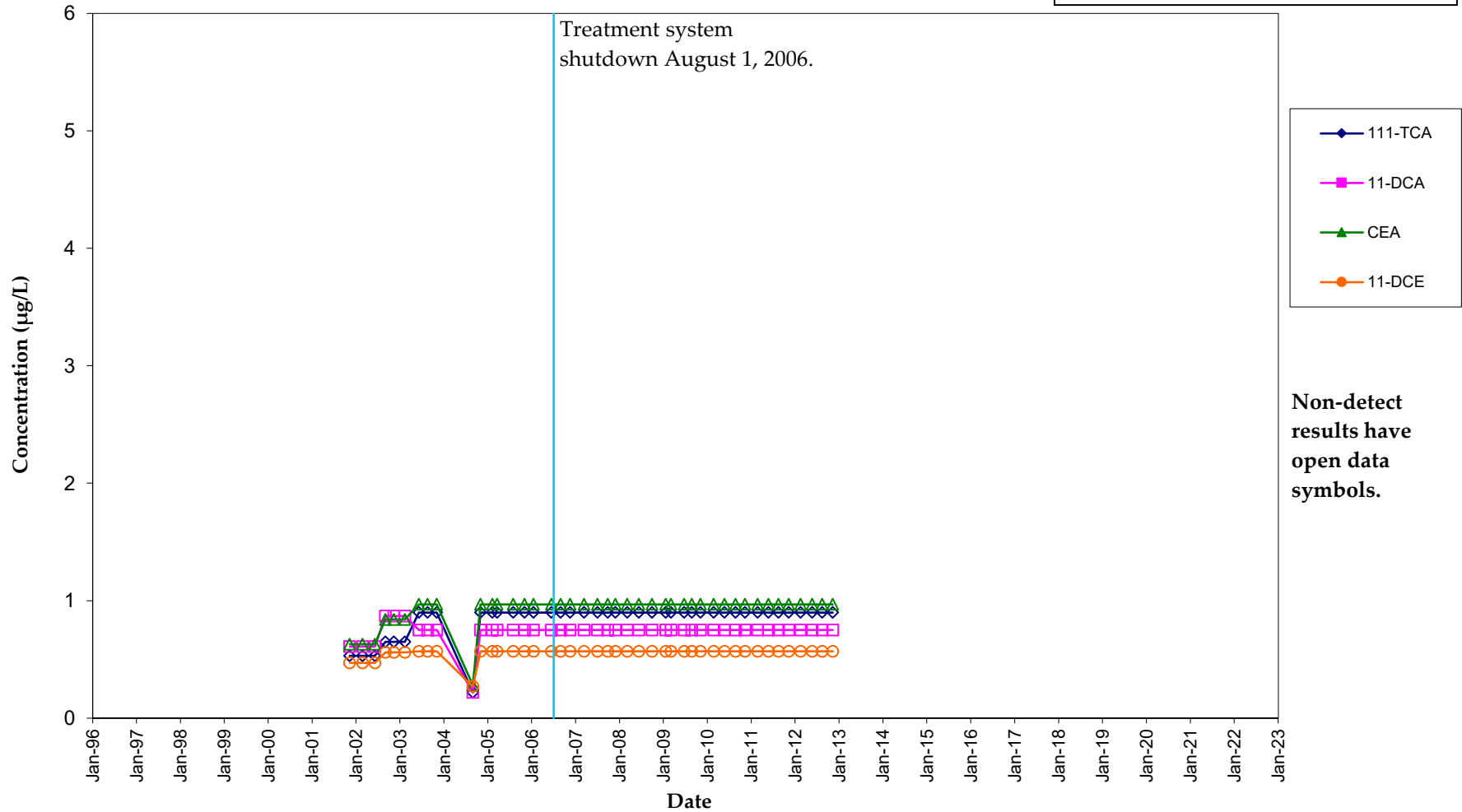
**Non-detect results have open data symbols.**

# RM-212I VOC Concentration Trends Lemberger Landfill

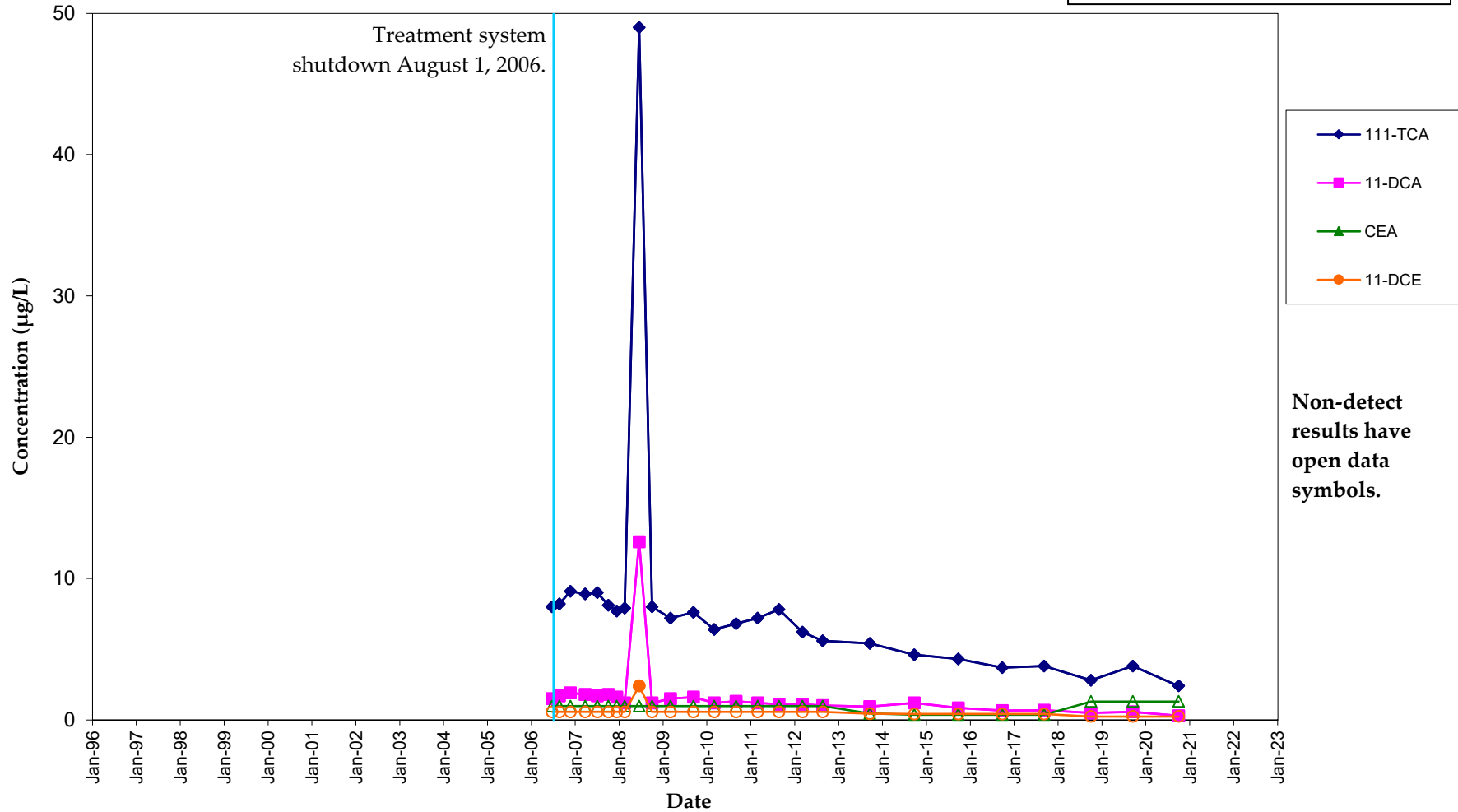
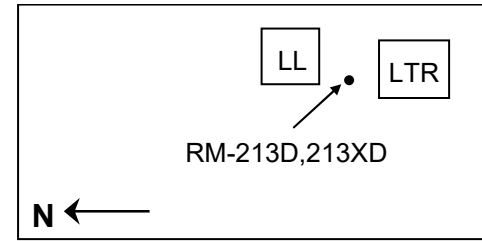
LL      LTR

• RM-212I, 212D

N ←

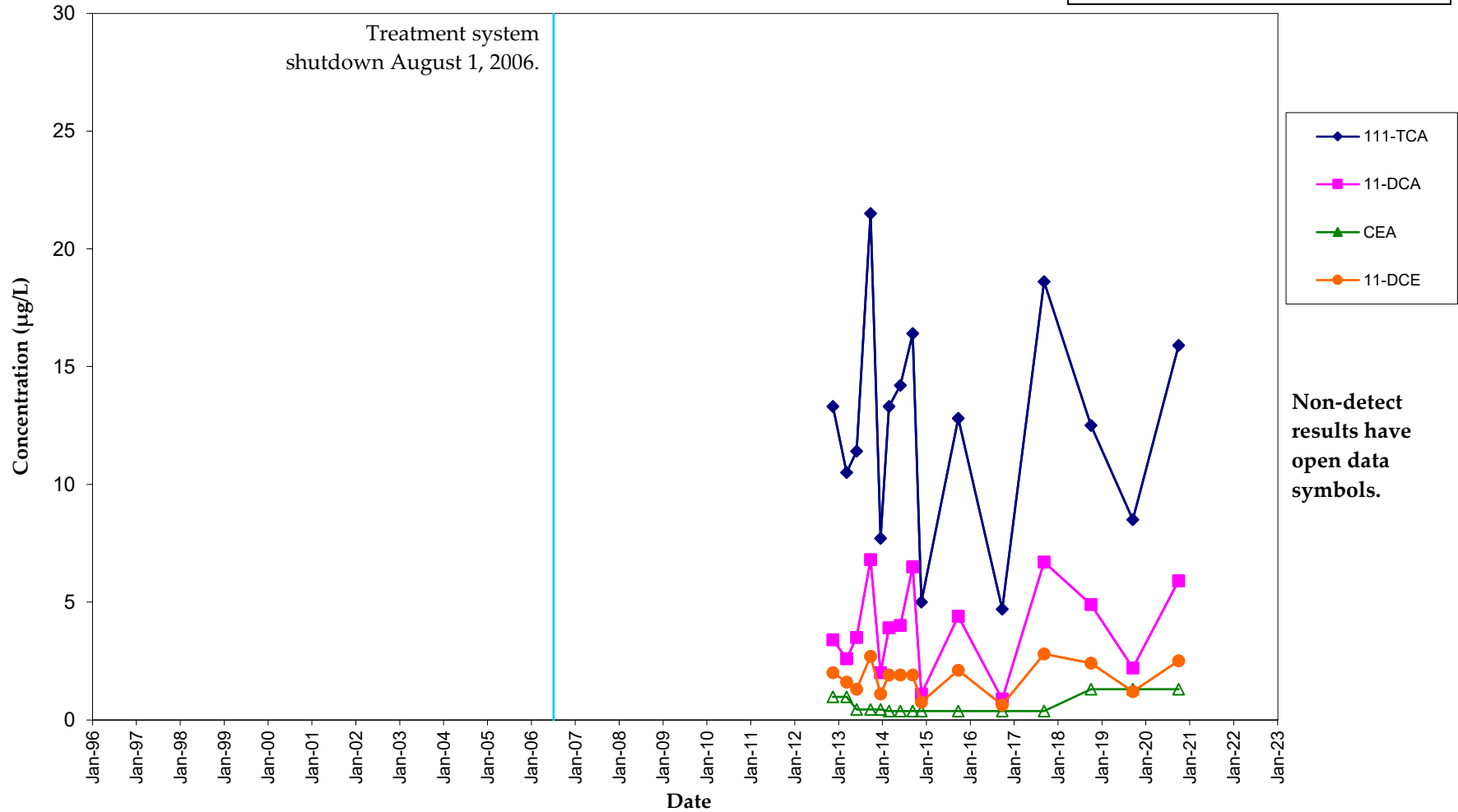
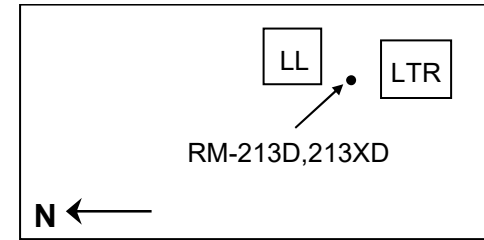


# RM-213D VOC Concentration Trends Lemberger Landfill

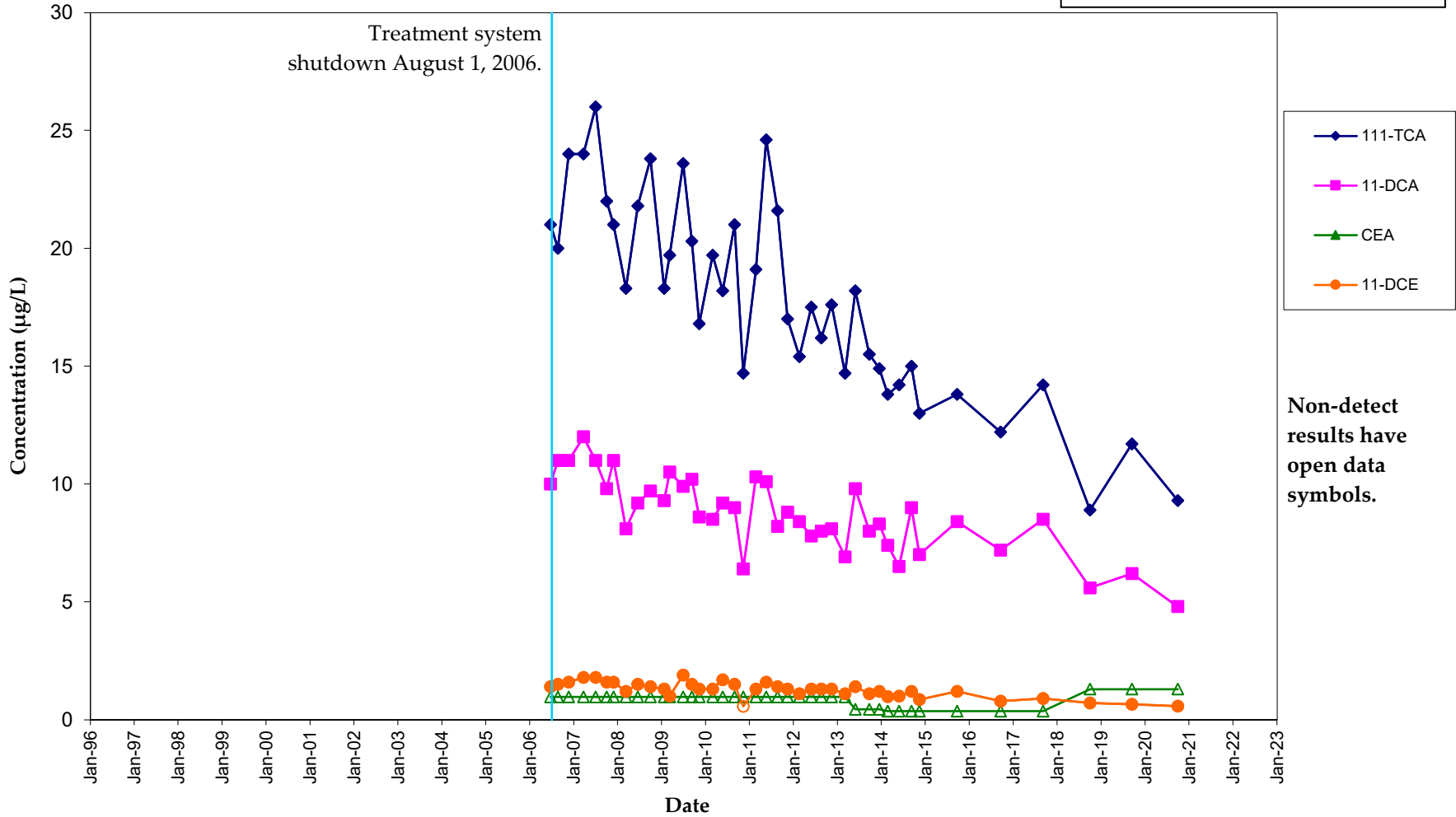
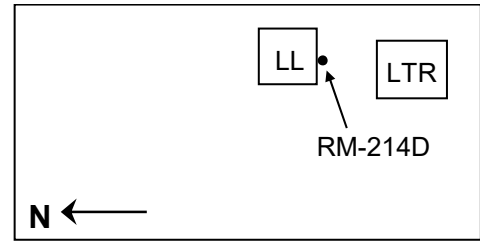


**Non-detect  
results have  
open data  
symbols.**

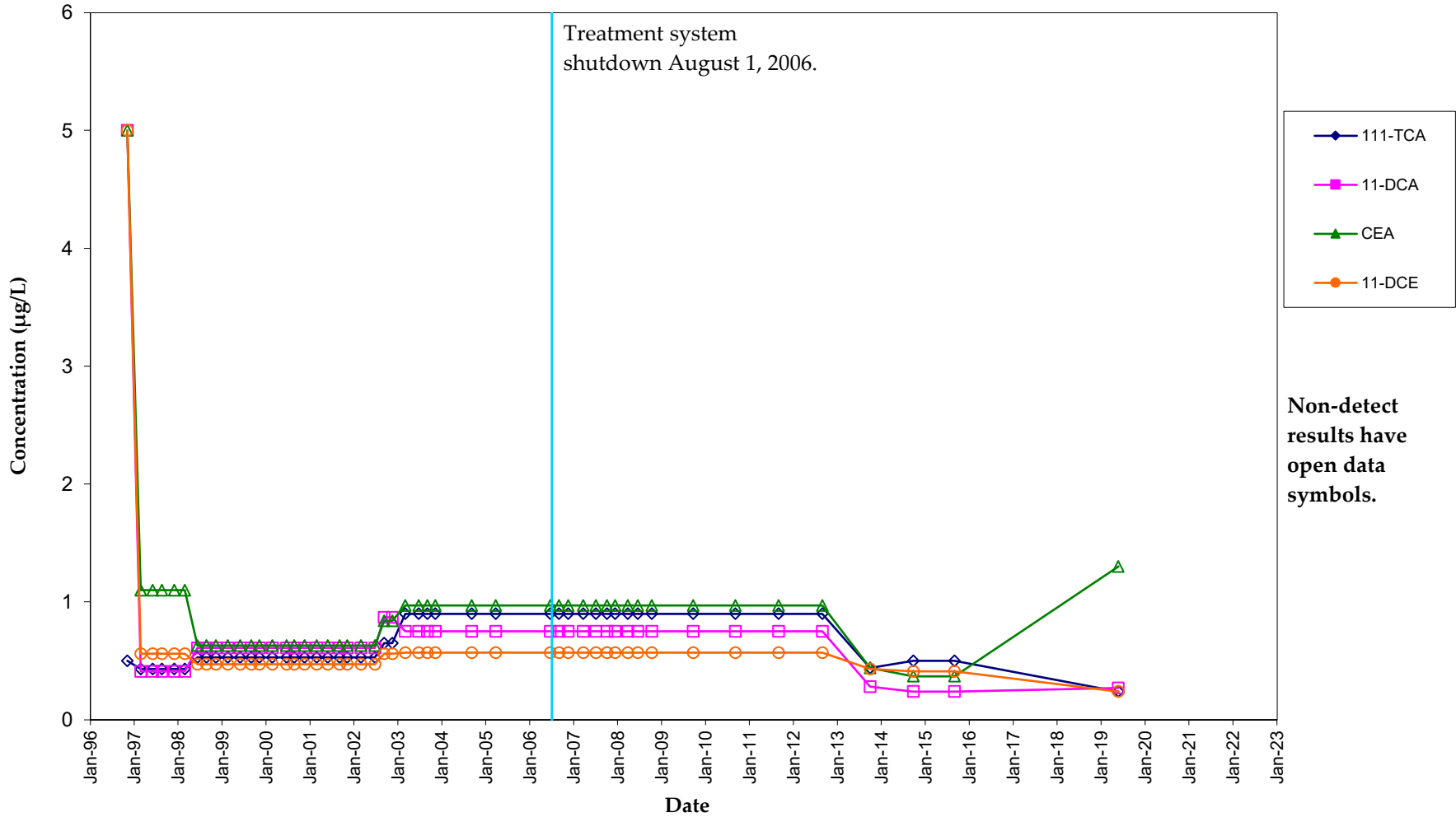
# RM-213XD VOC Concentration Trends Lemberger Landfill



## RM-214D VOC Concentration Trends Lemberger Landfill

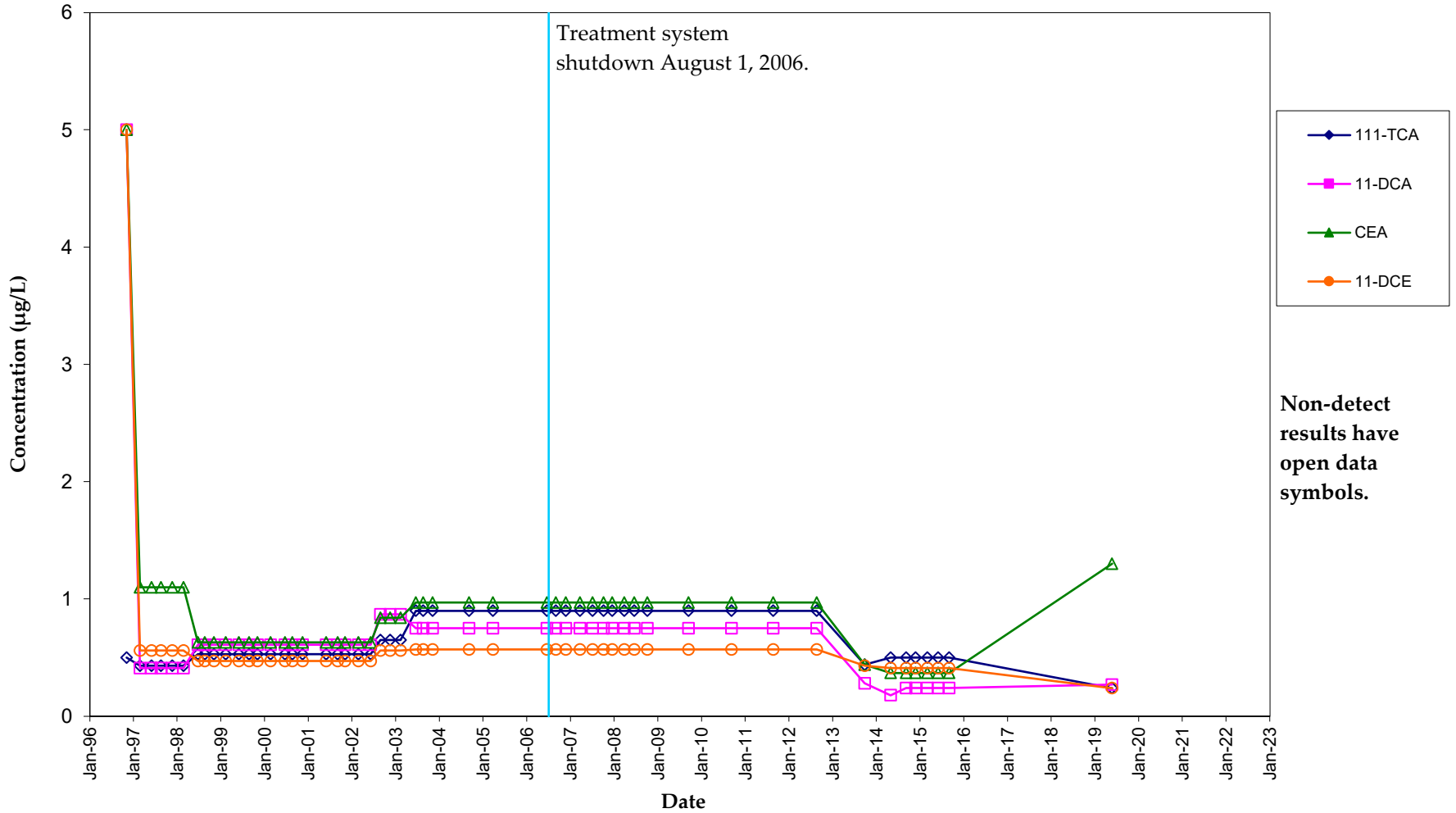


# RM-301S VOC Concentration Trends Lemberger Landfill



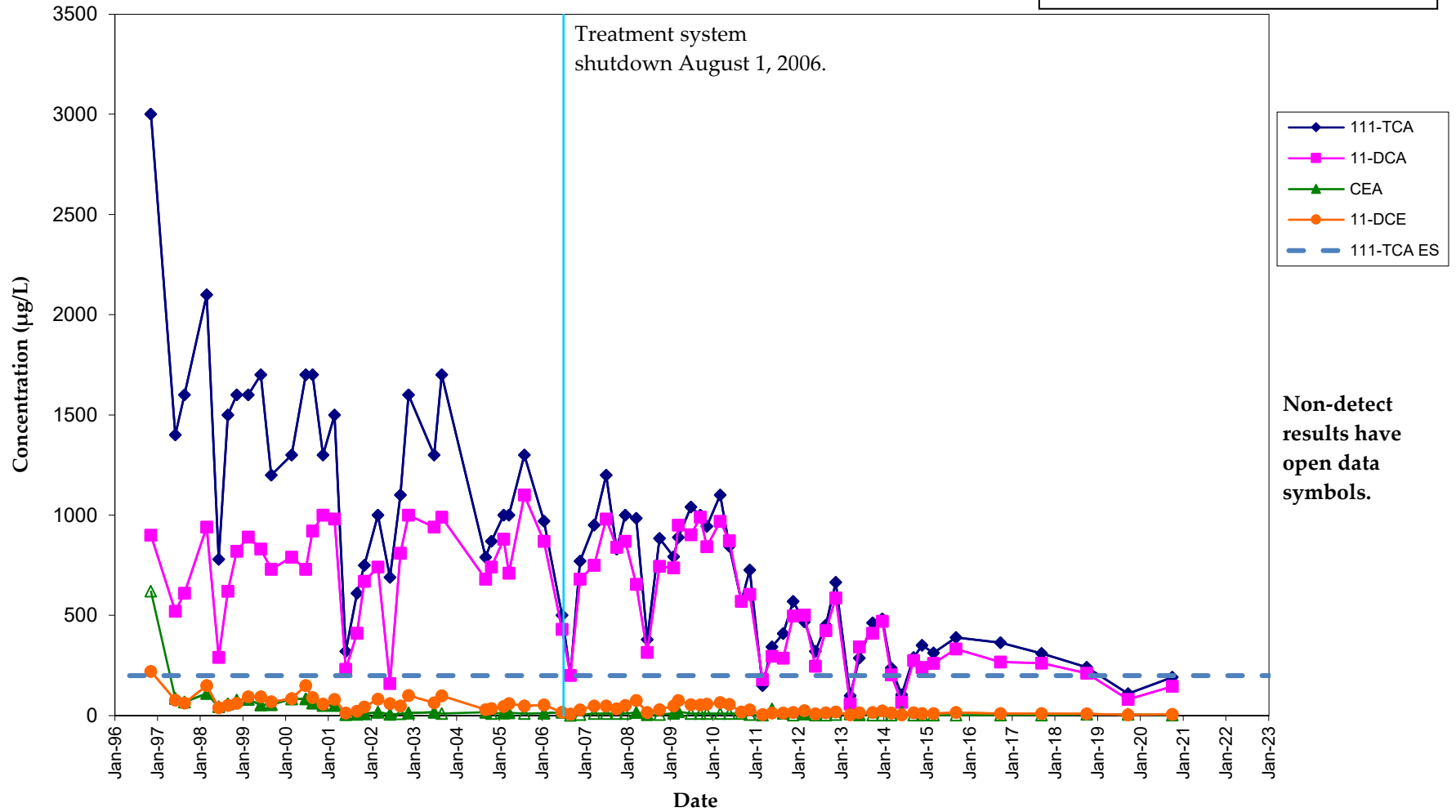
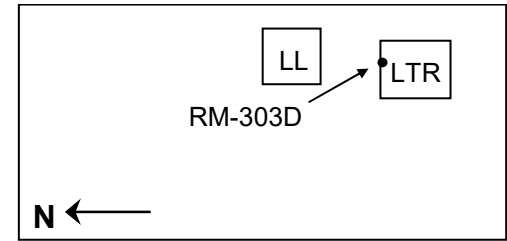


# RM-302S VOC Concentration Trends Lemberger Landfill

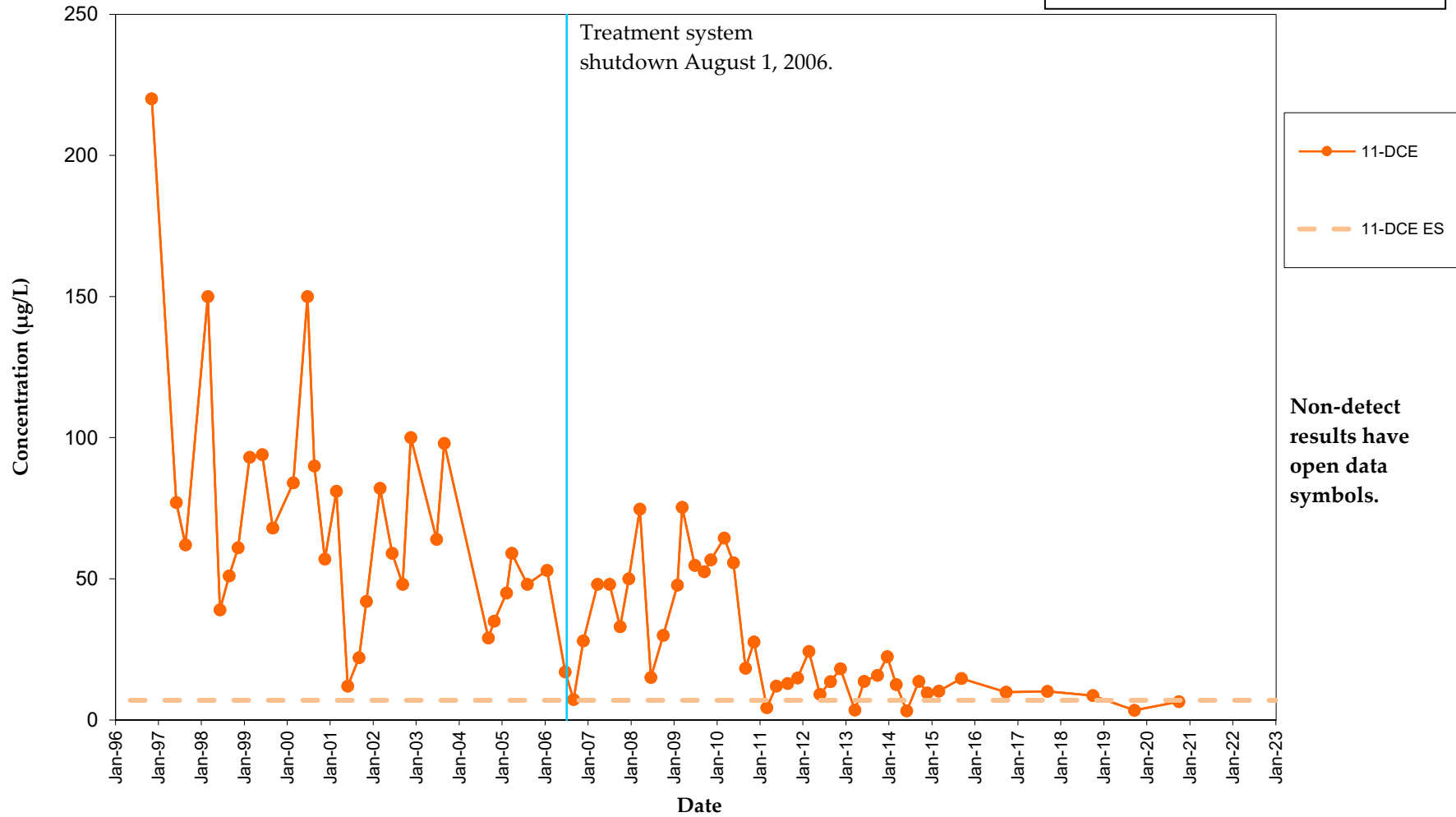
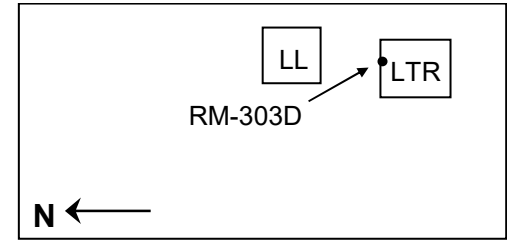


**Non-detect results have open data symbols.**

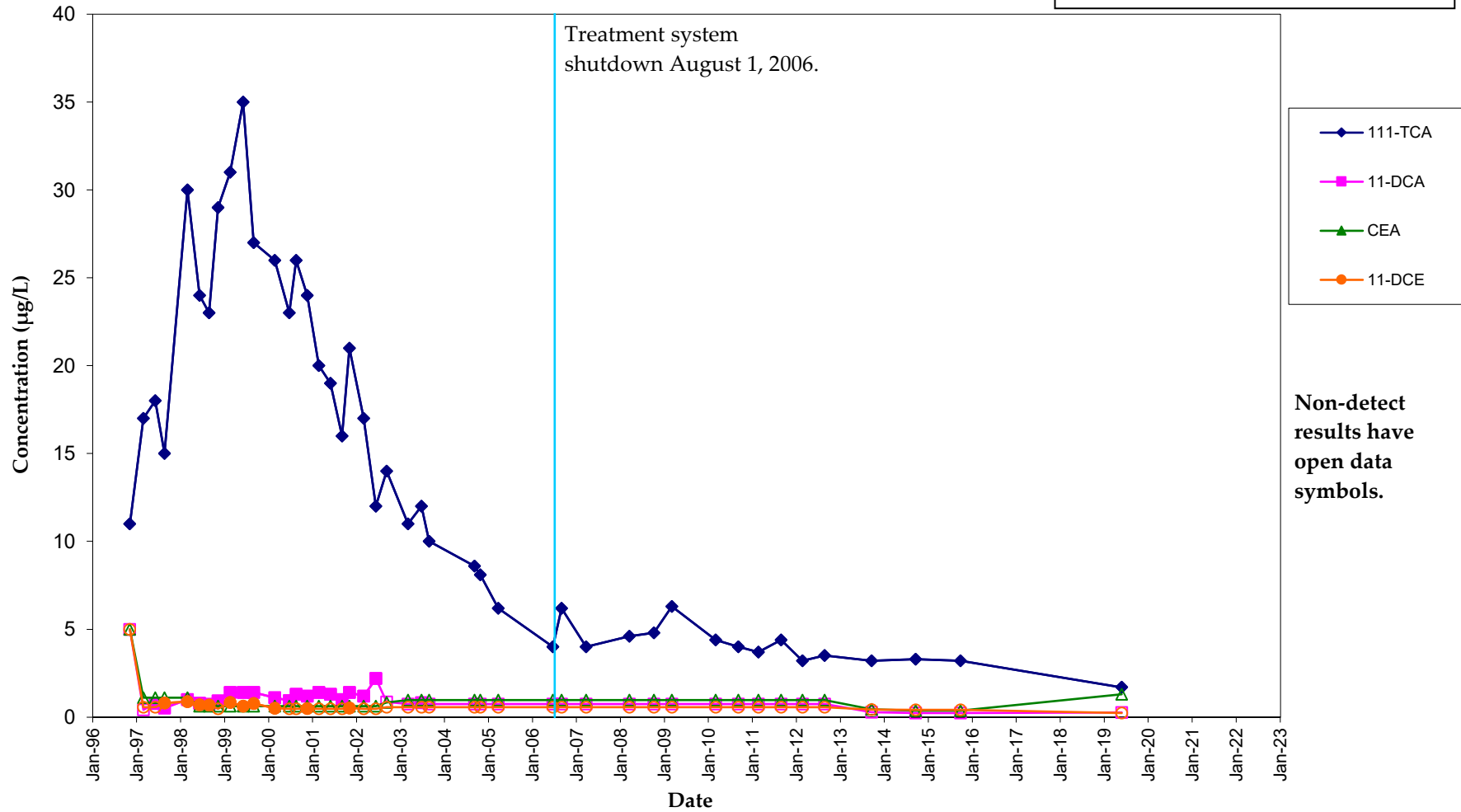
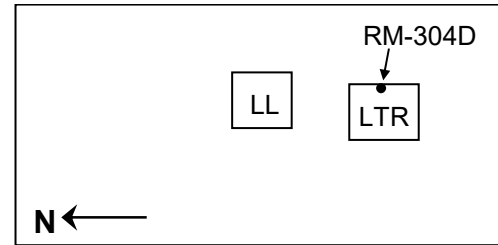
# RM-303D VOC Concentration Trends Lemberger Landfill



# RM-303D VOC Concentration Trends Lemberger Landfill

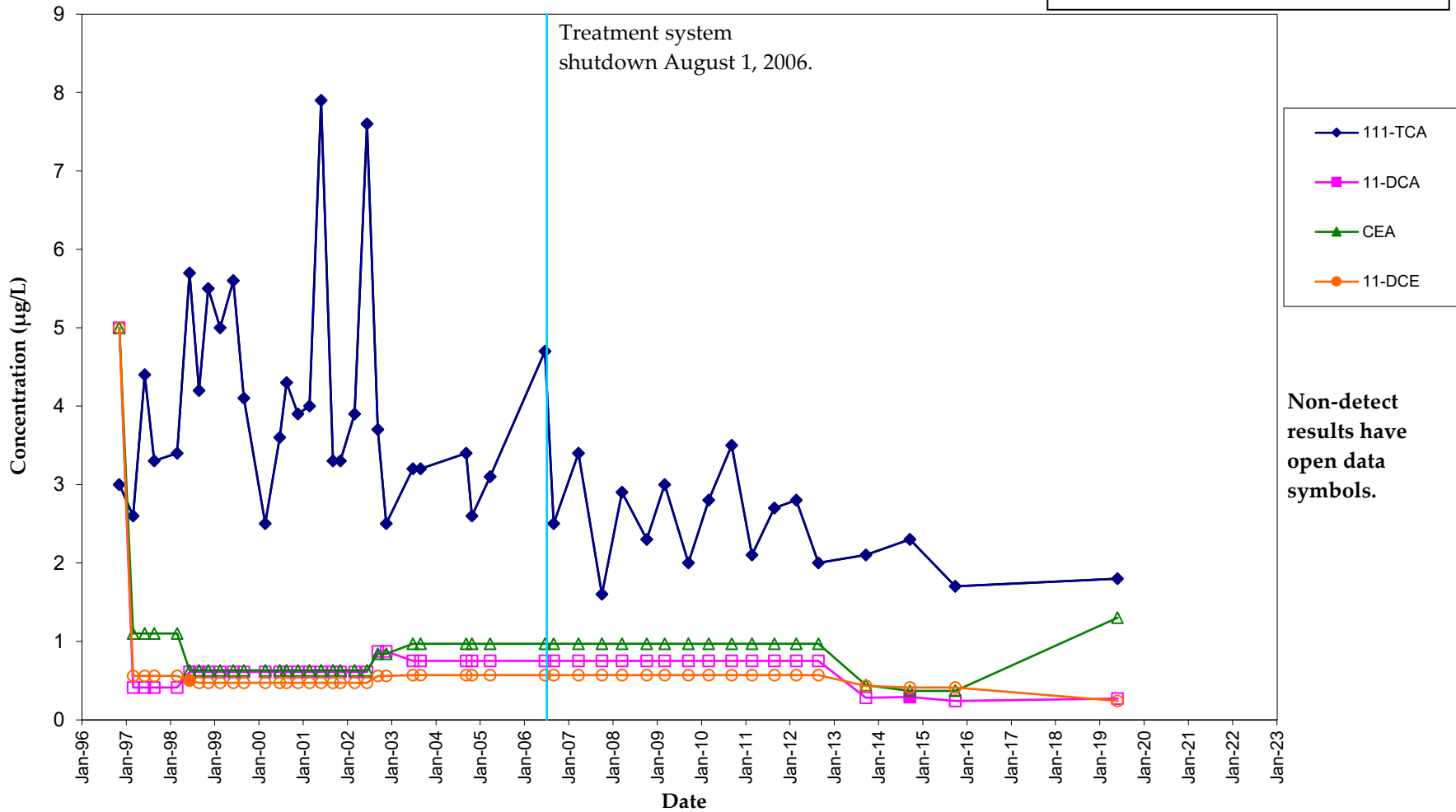


# RM-304D VOC Concentration Trends Lemberger Landfill

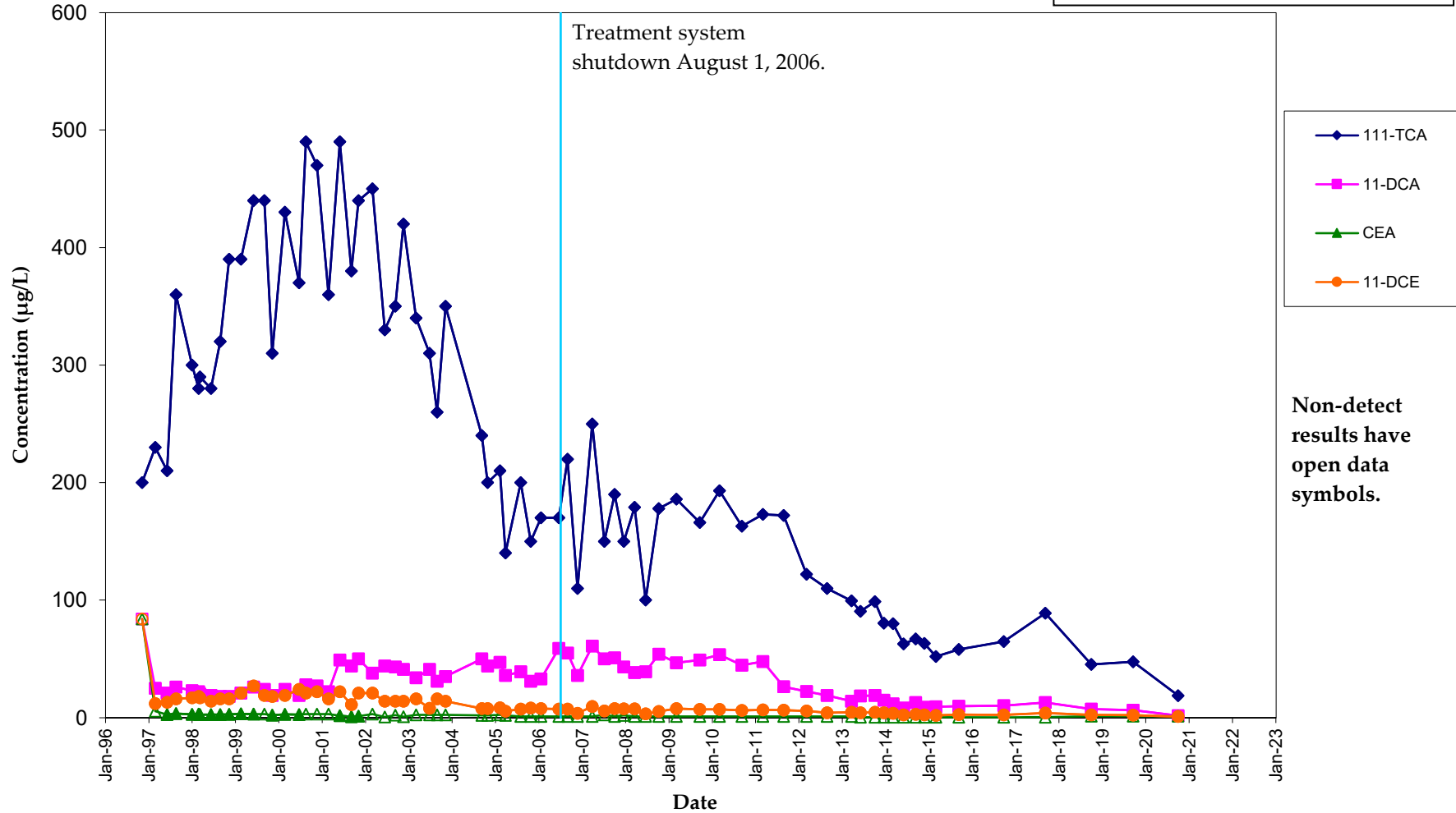
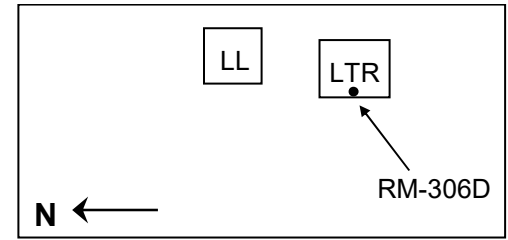


**Non-detect  
results have  
open data  
symbols.**

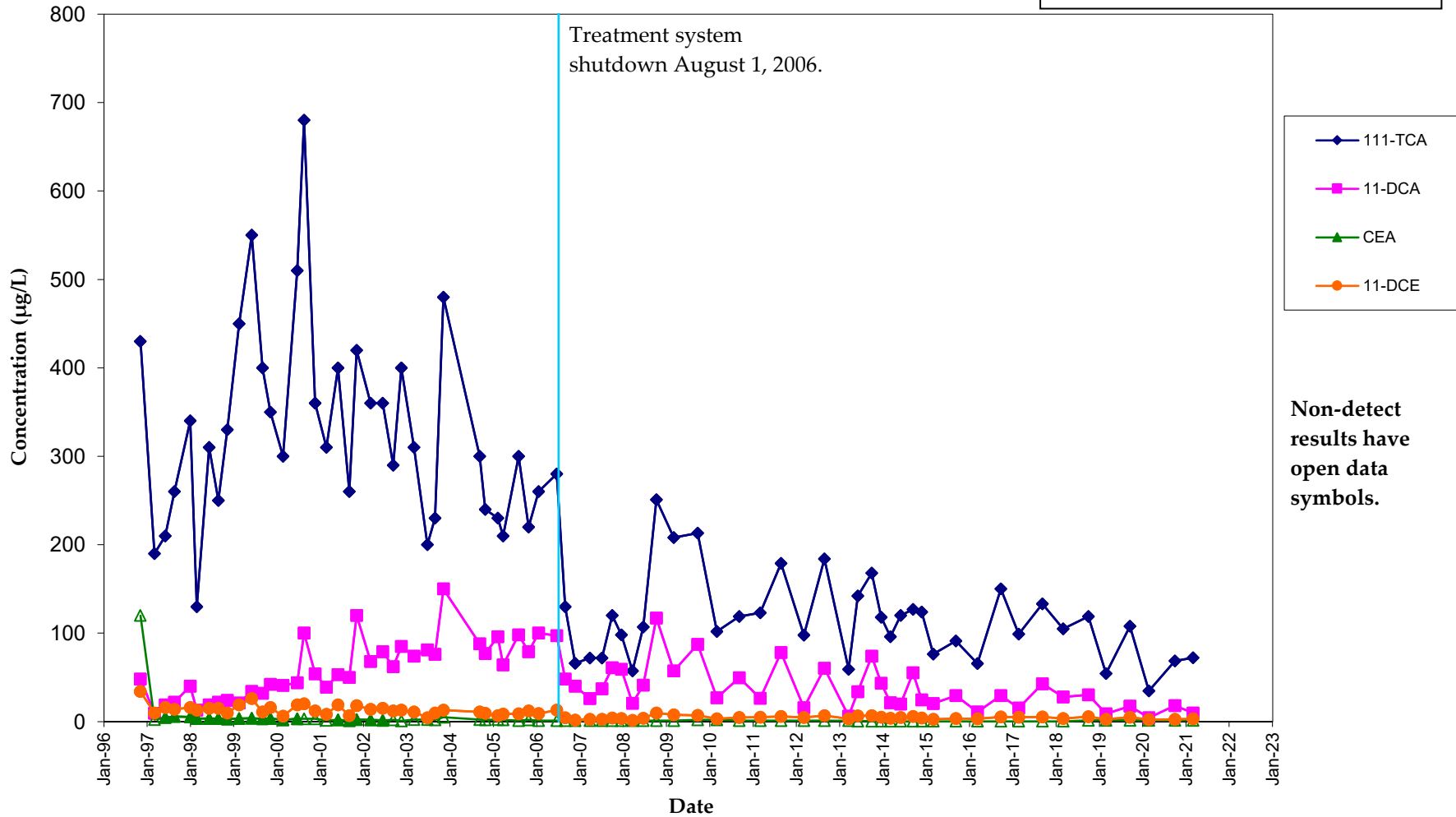
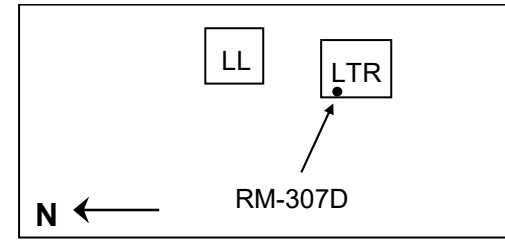
# RM-305D VOC Concentration Trends Lemberger Landfill



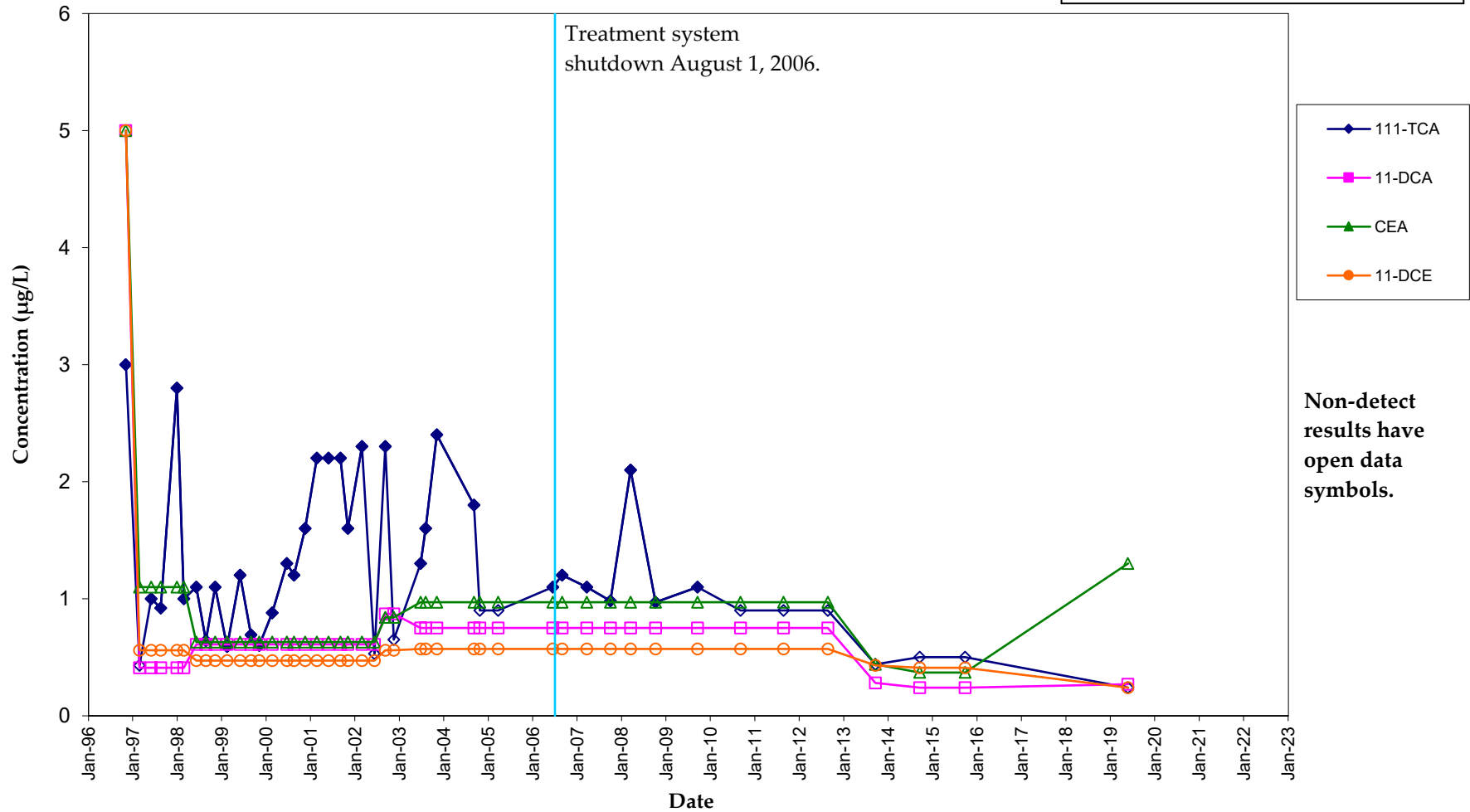
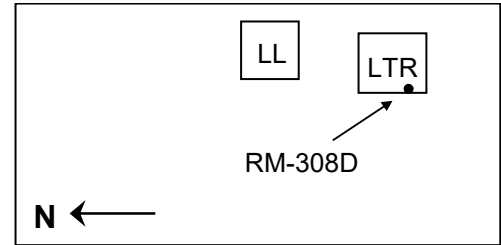
# RM-306D VOC Concentration Trends Lemberger Landfill



## RM-307D VOC Concentration Trends Lemberger Landfill

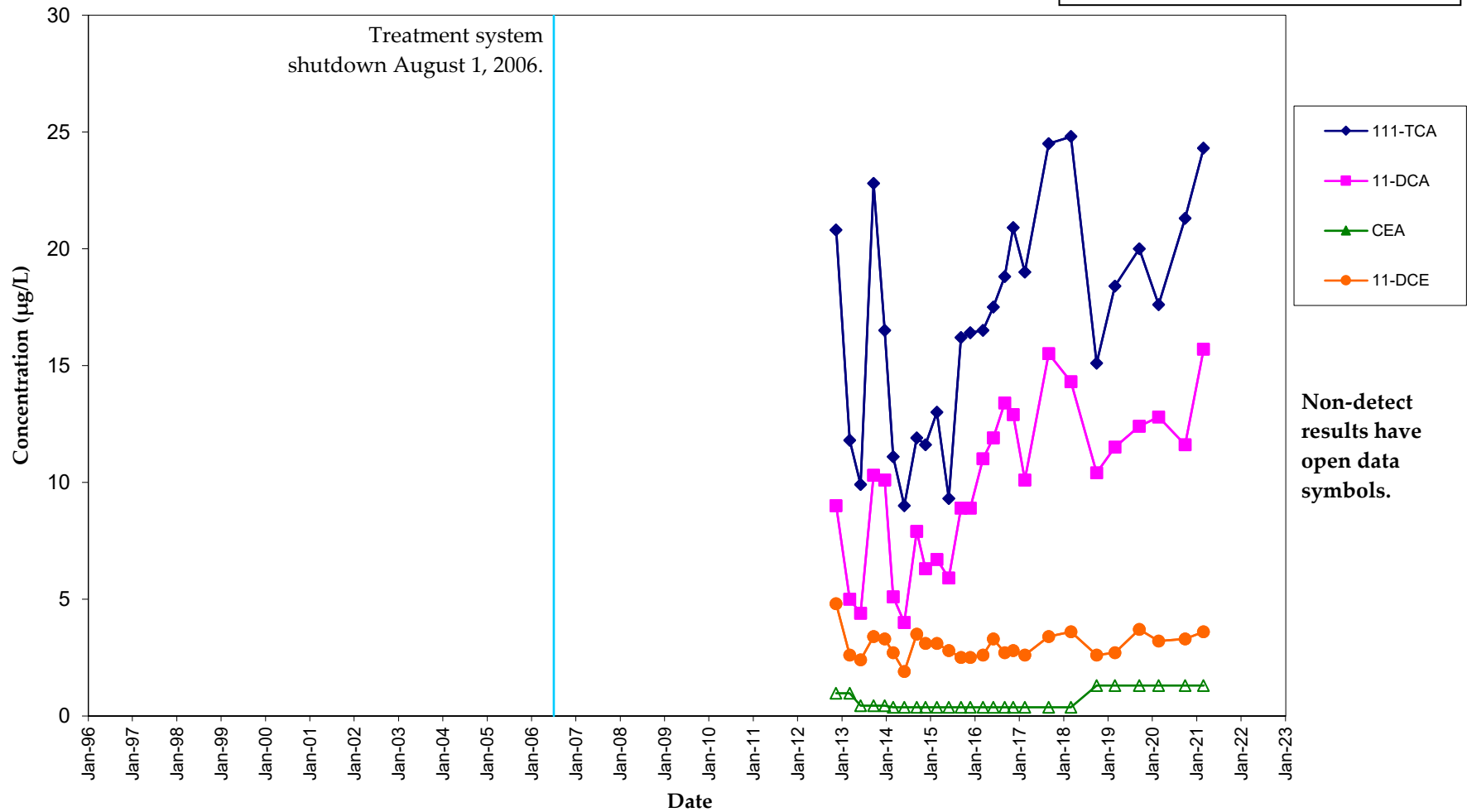
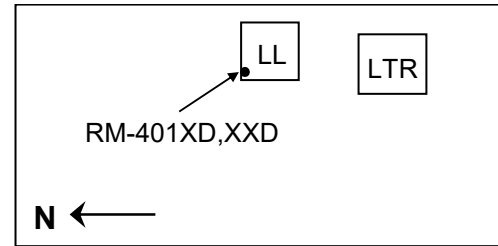


## RM-308D VOC Concentration Trends Lemberger Landfill

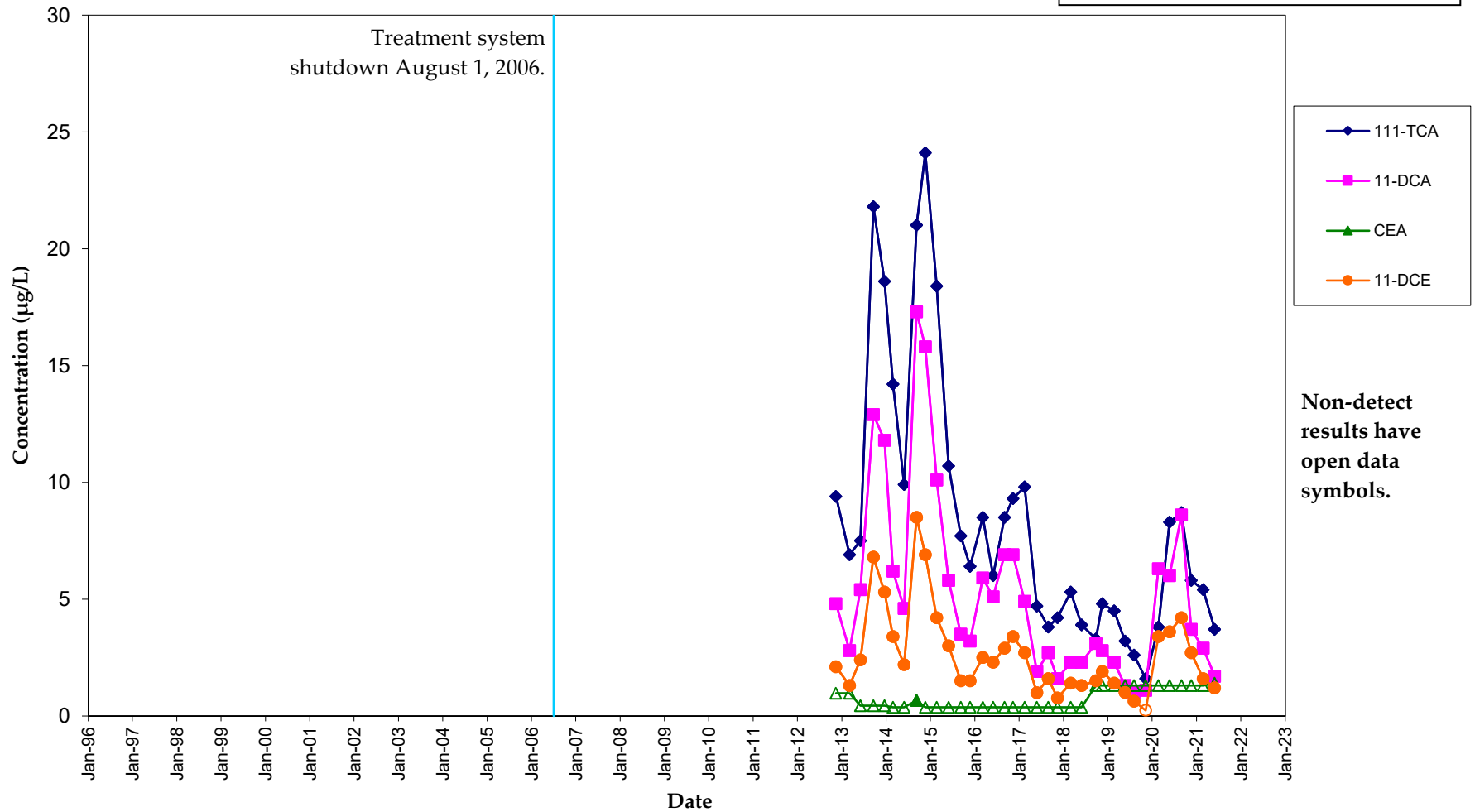
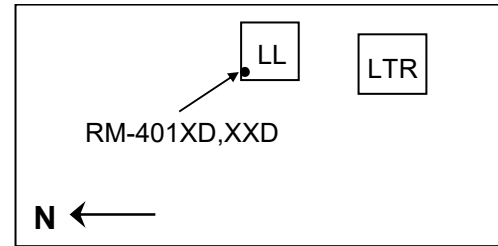




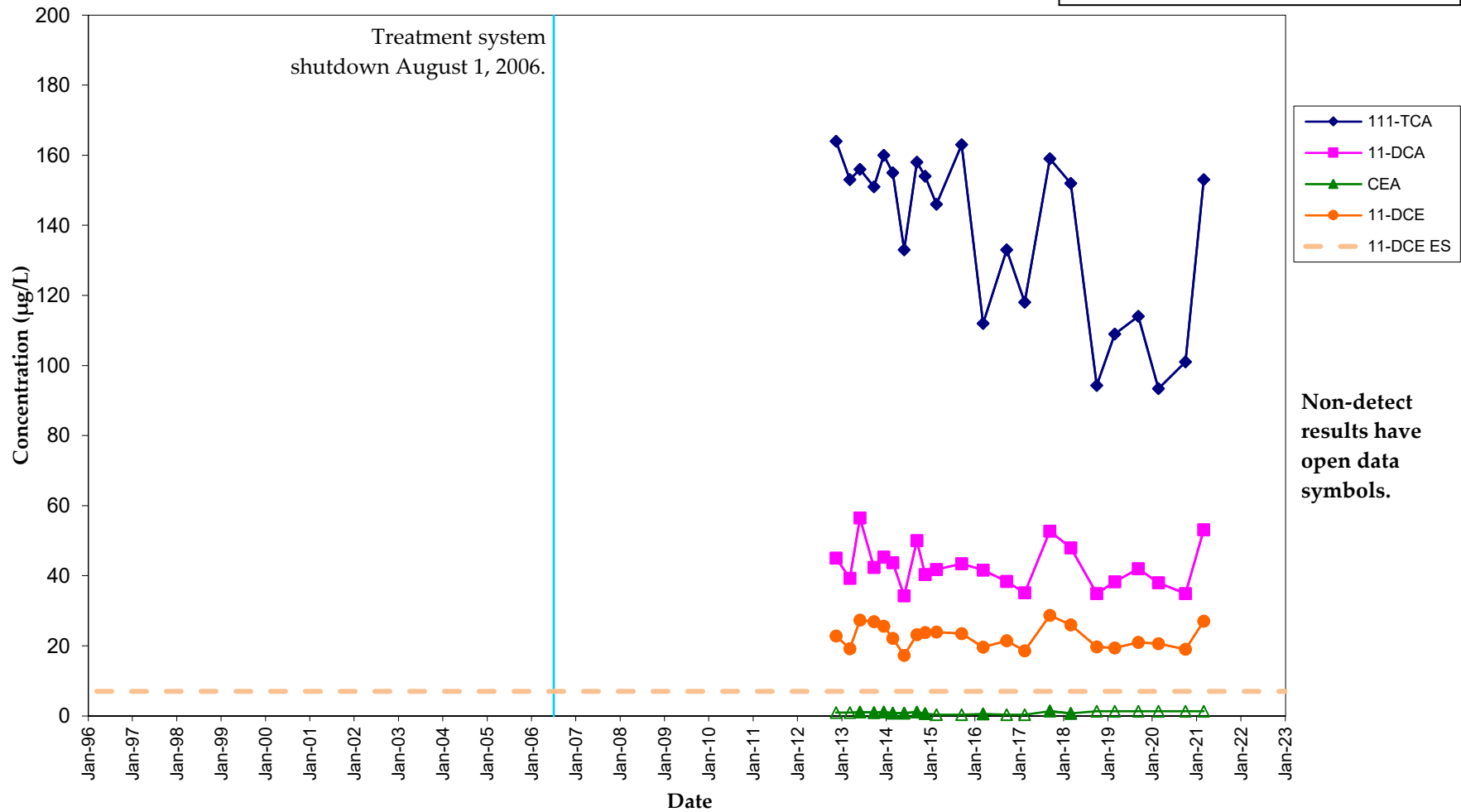
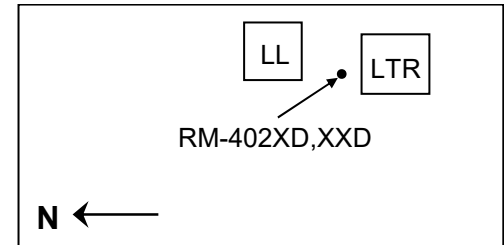
# RM-401XD VOC Concentration Trends Lemberger Landfill



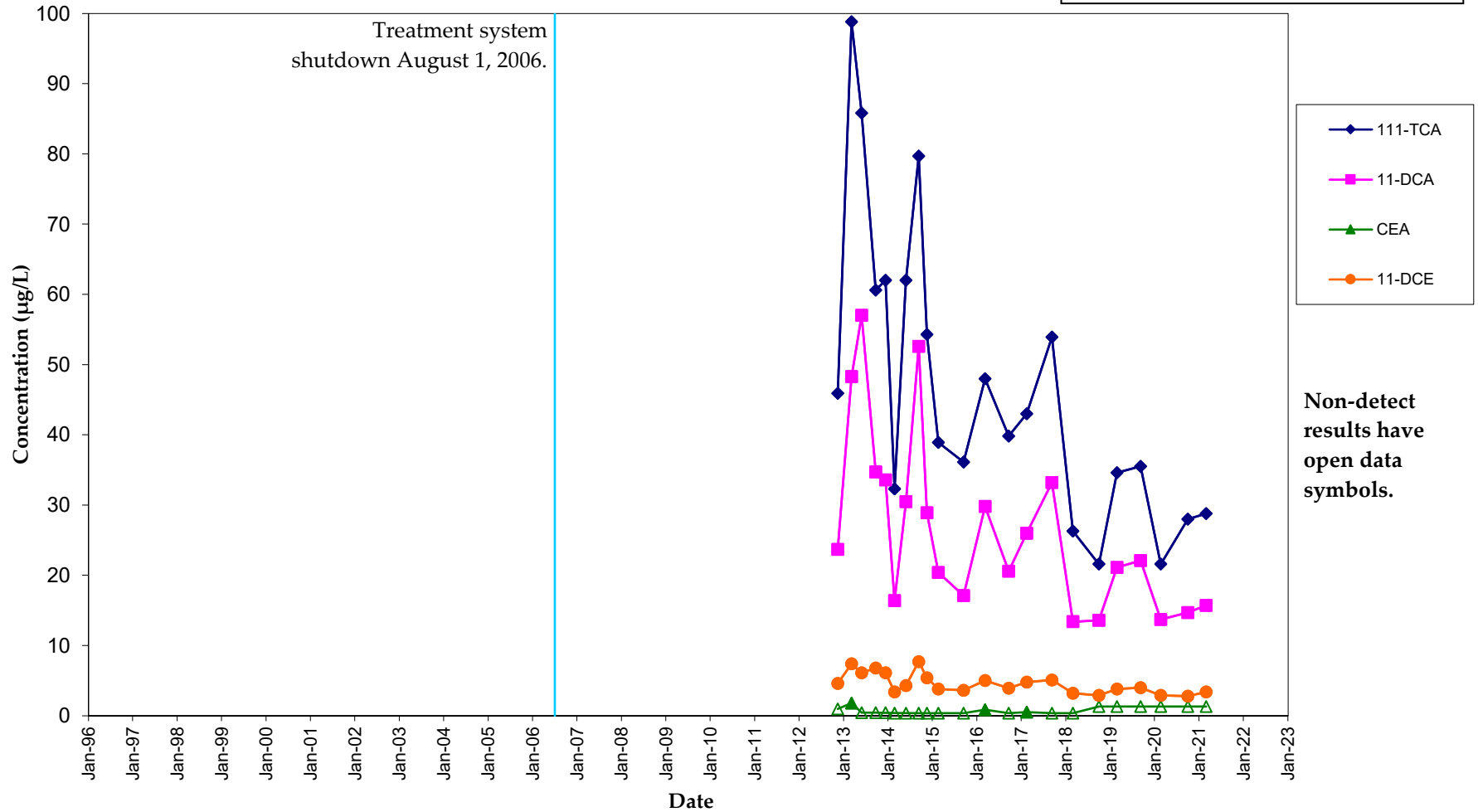
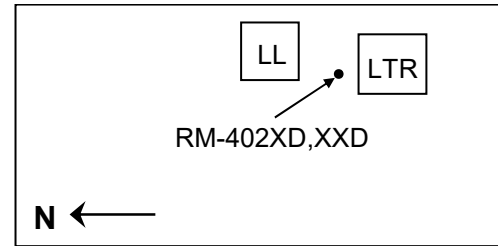
# RM-401XXD VOC Concentration Trends Lemberger Landfill



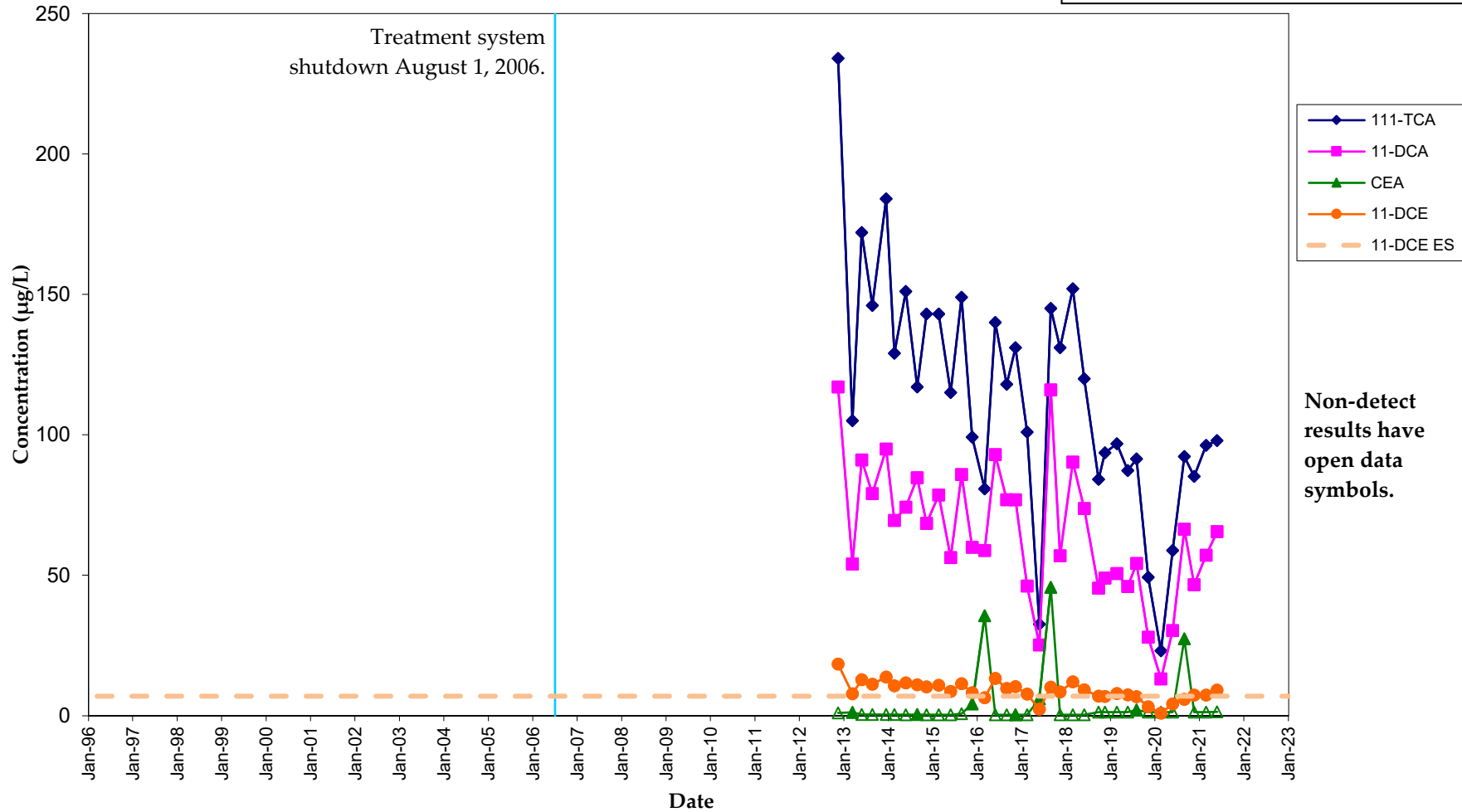
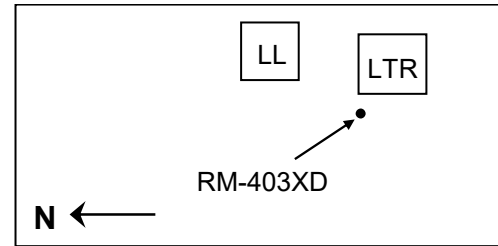
## RM-402XD VOC Concentration Trends Lemberger Landfill



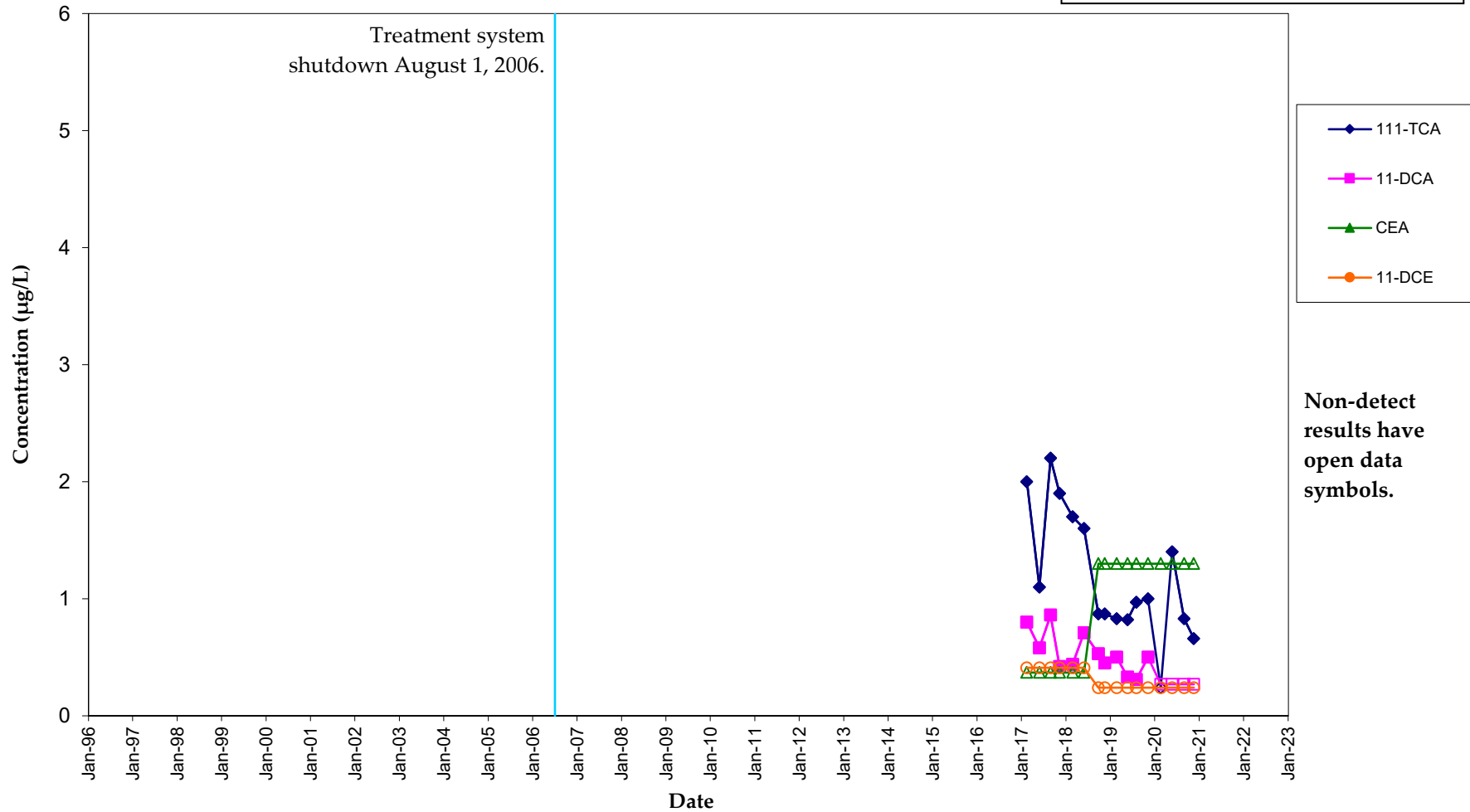
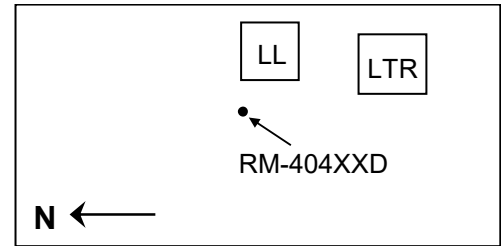
# RM-402XXD VOC Concentration Trends Lemberger Landfill



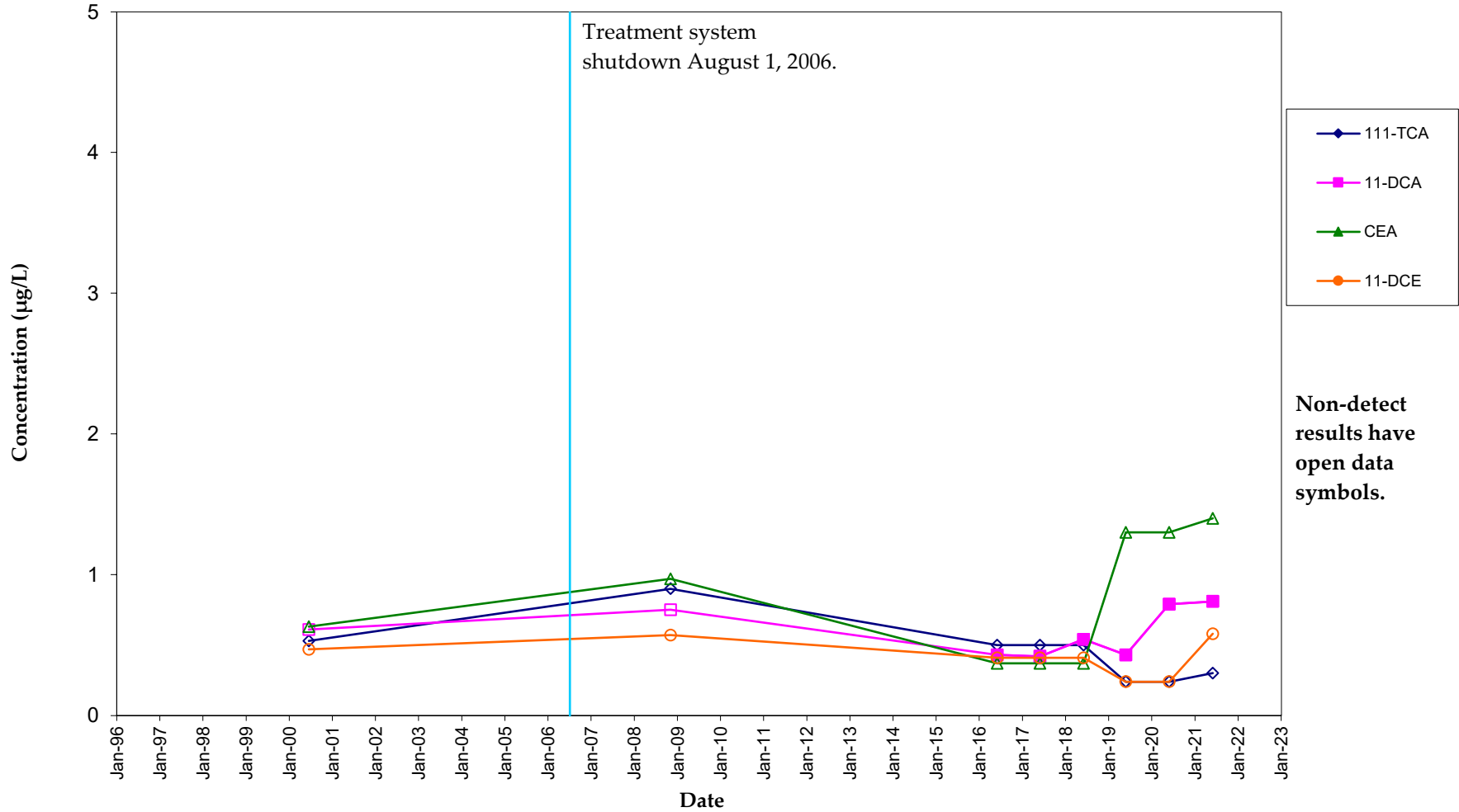
## RM-403XD VOC Concentration Trends Lemberger Landfill



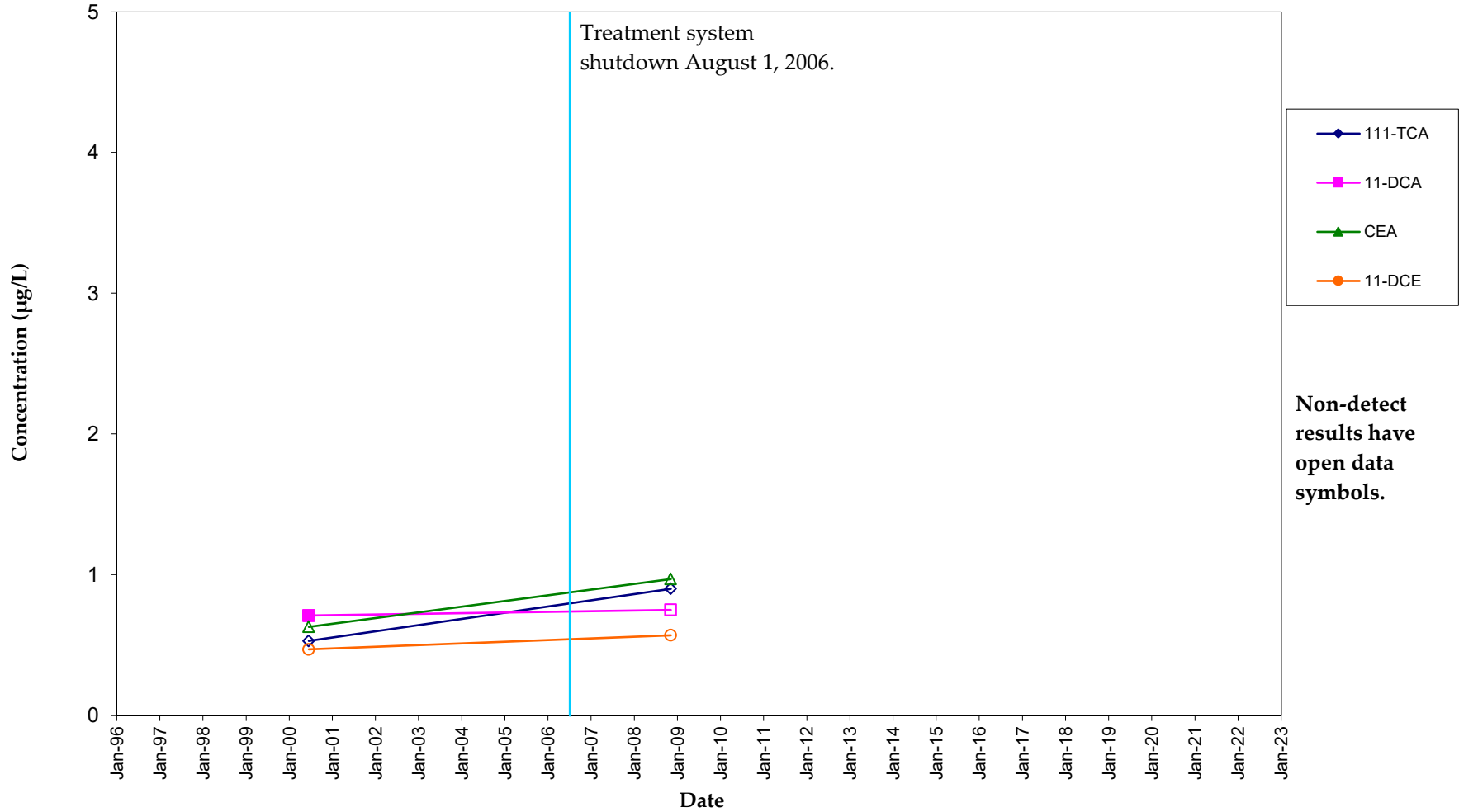
## RM-404XXD VOC Concentration Trends Lemberger Landfill



# LH-01 VOC Concentration Trends Lemberger Landfill

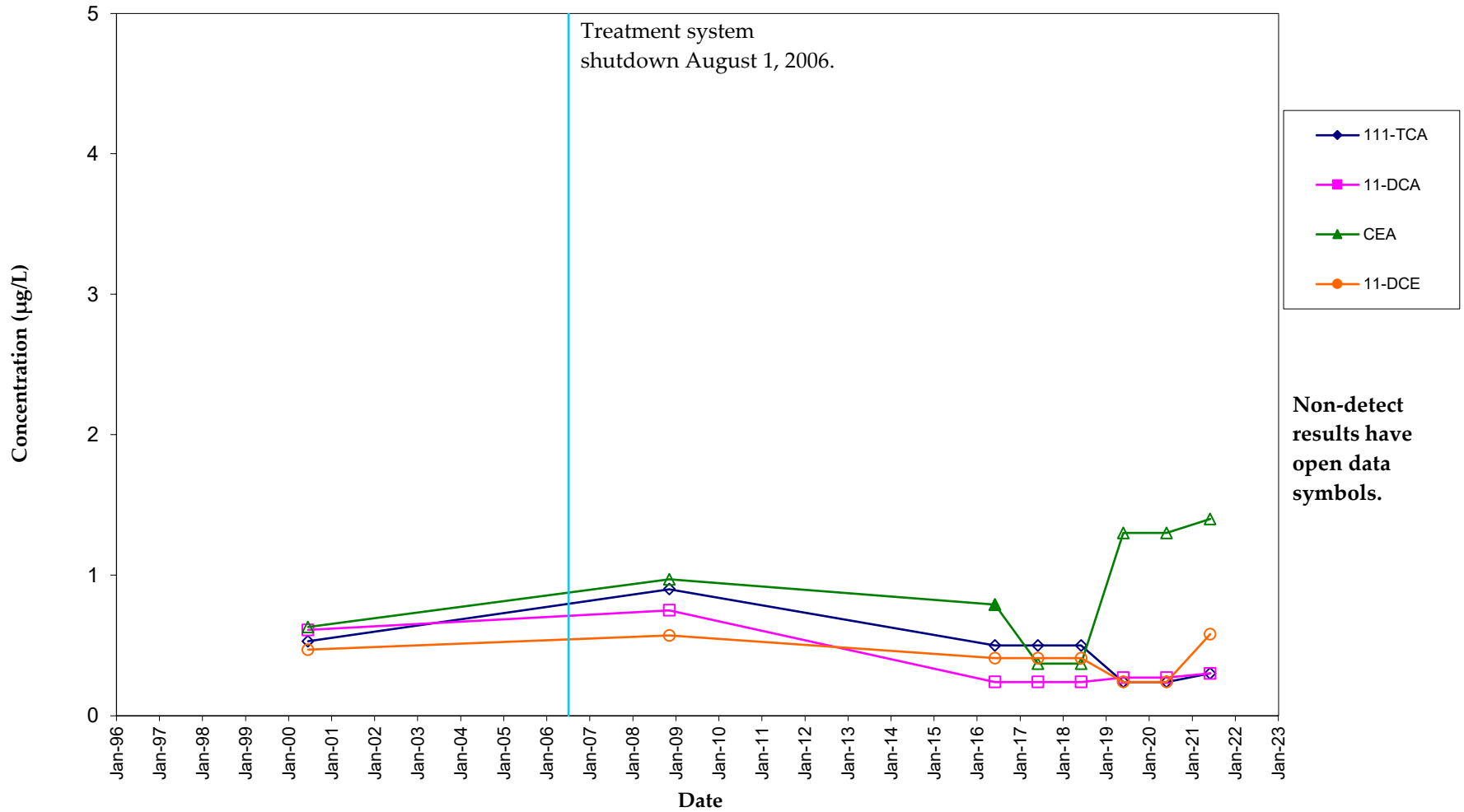


LH-02B  
VOC Concentration Trends  
Lemberger Landfill

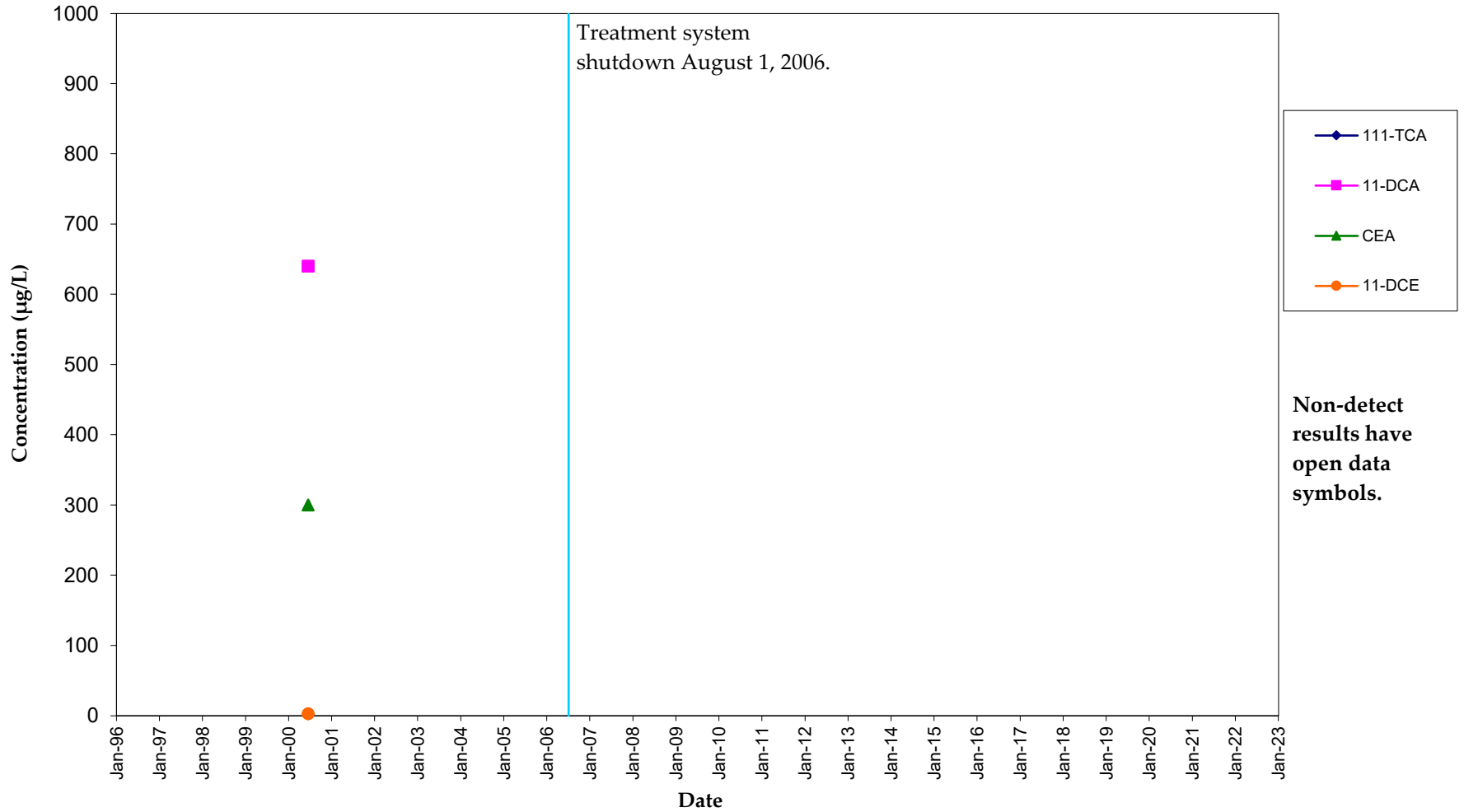




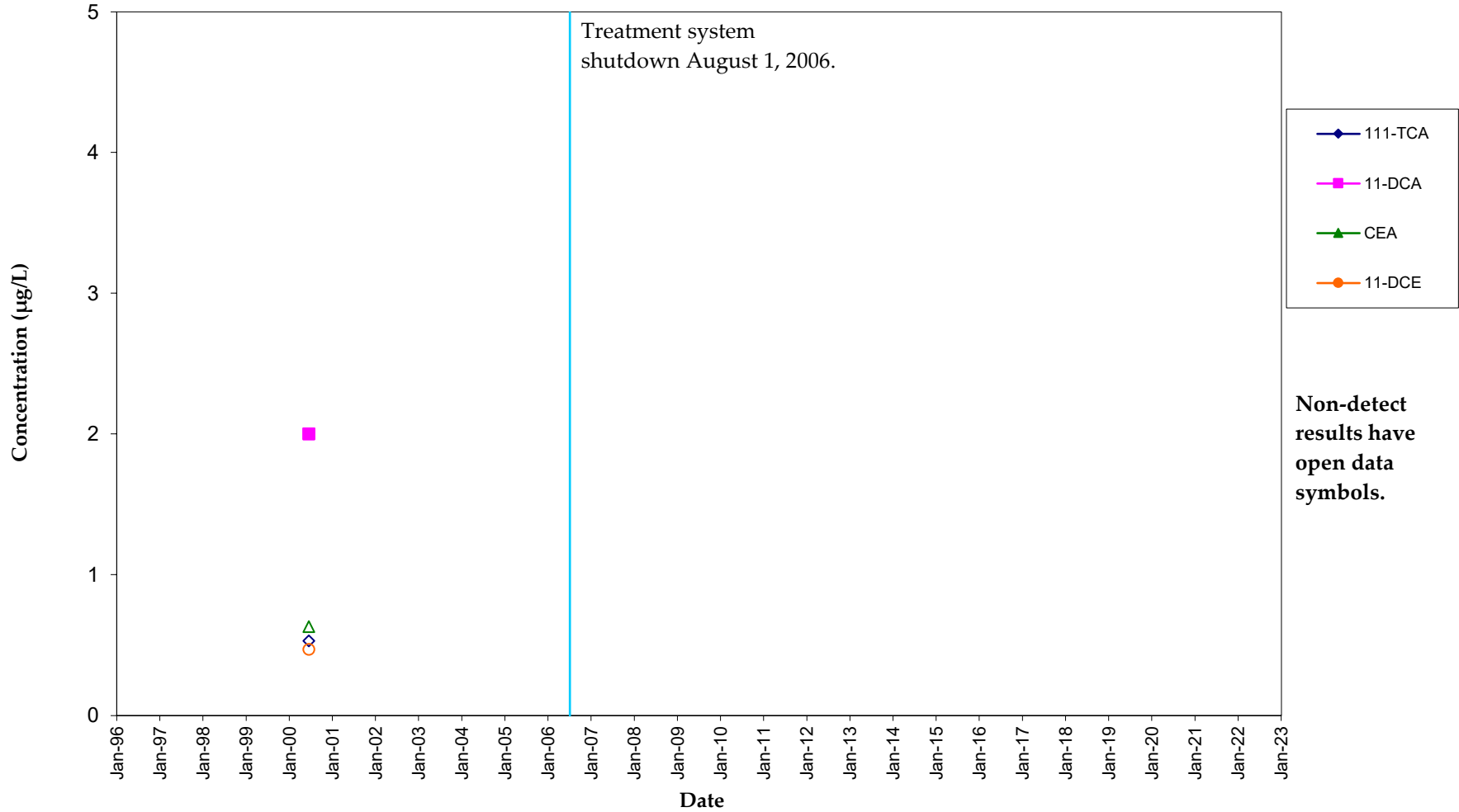
### LH-03 VOC Concentration Trends Lemberger Landfill



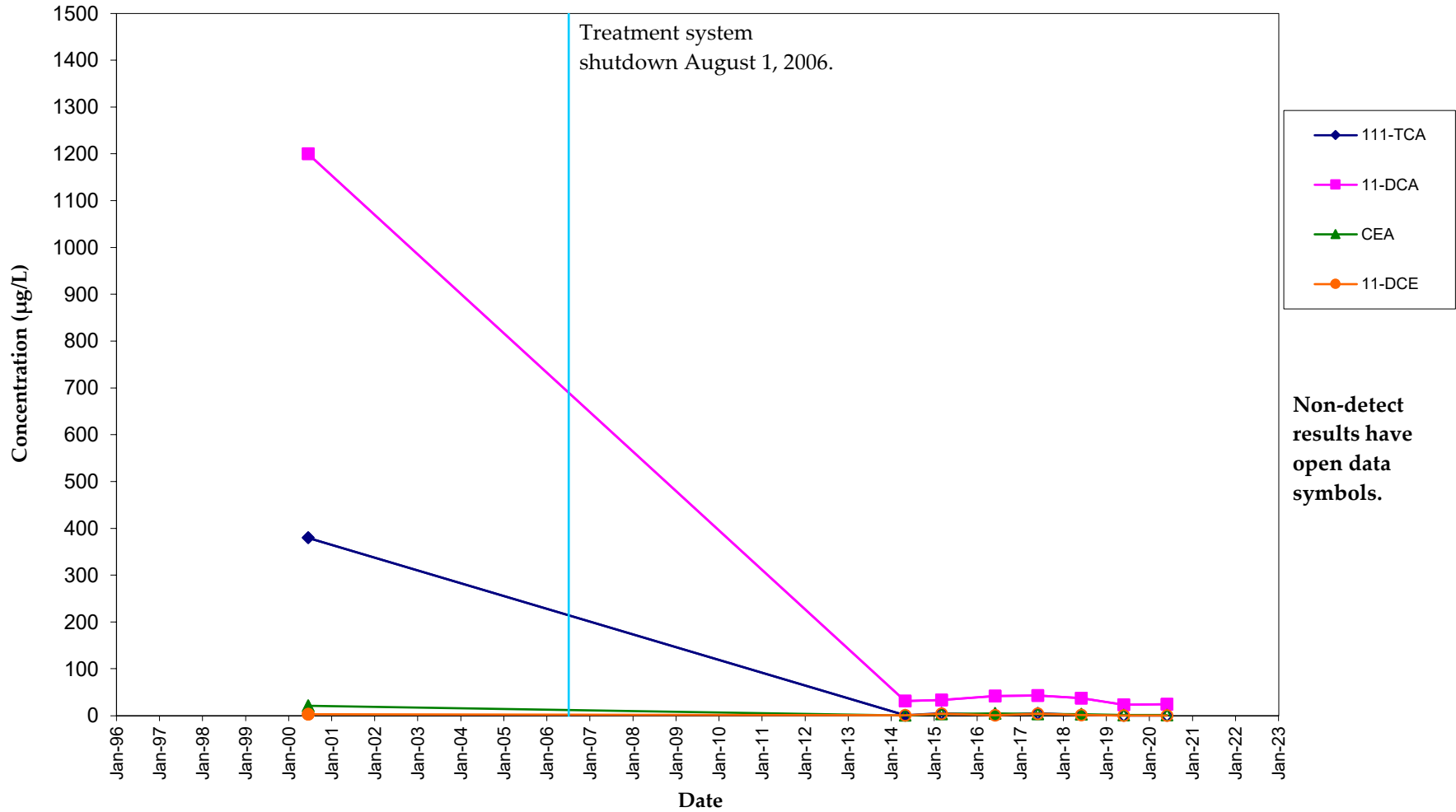
# LH-04 VOC Concentration Trends Lemberger Landfill



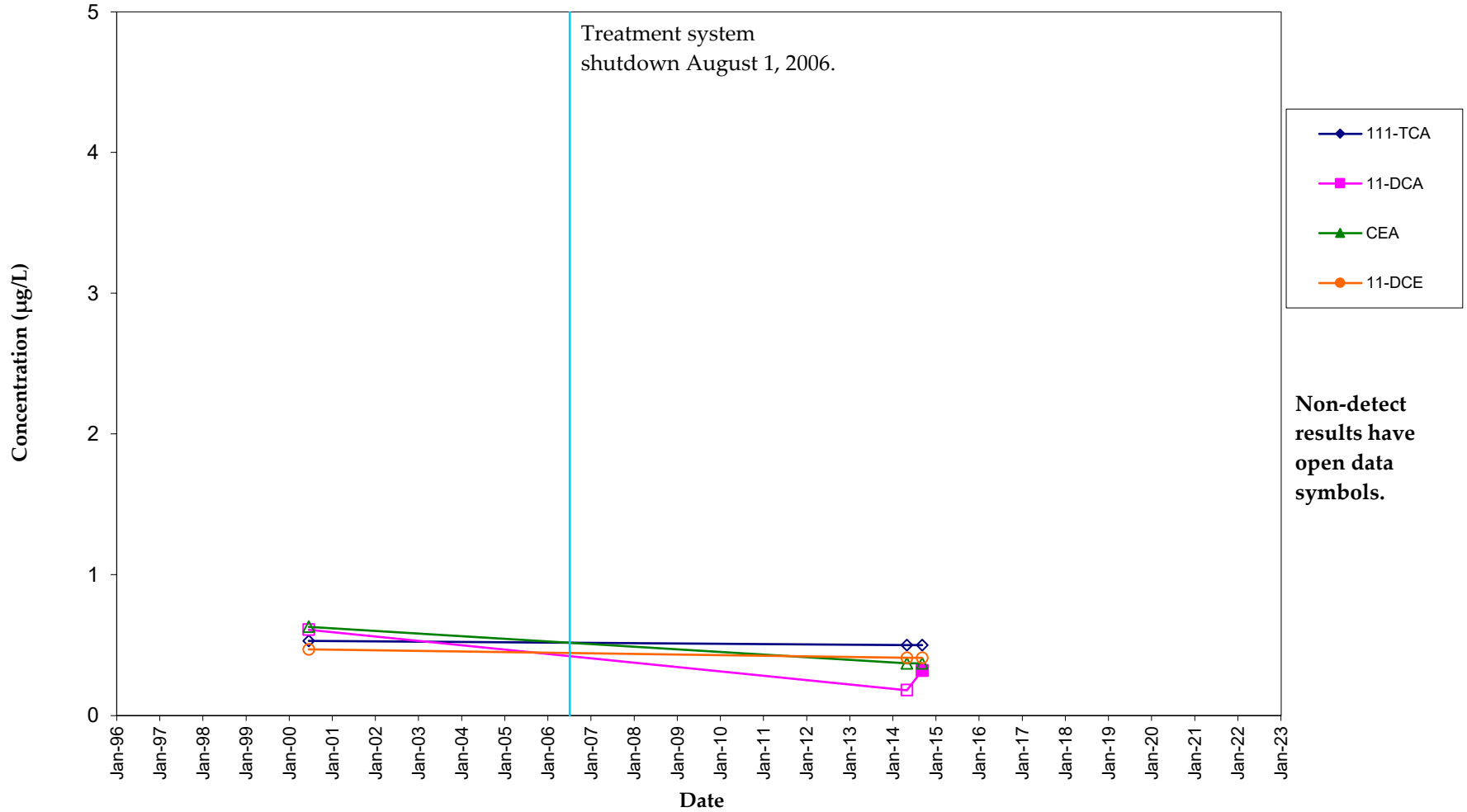
LH-05  
VOC Concentration Trends  
Lemberger Landfill



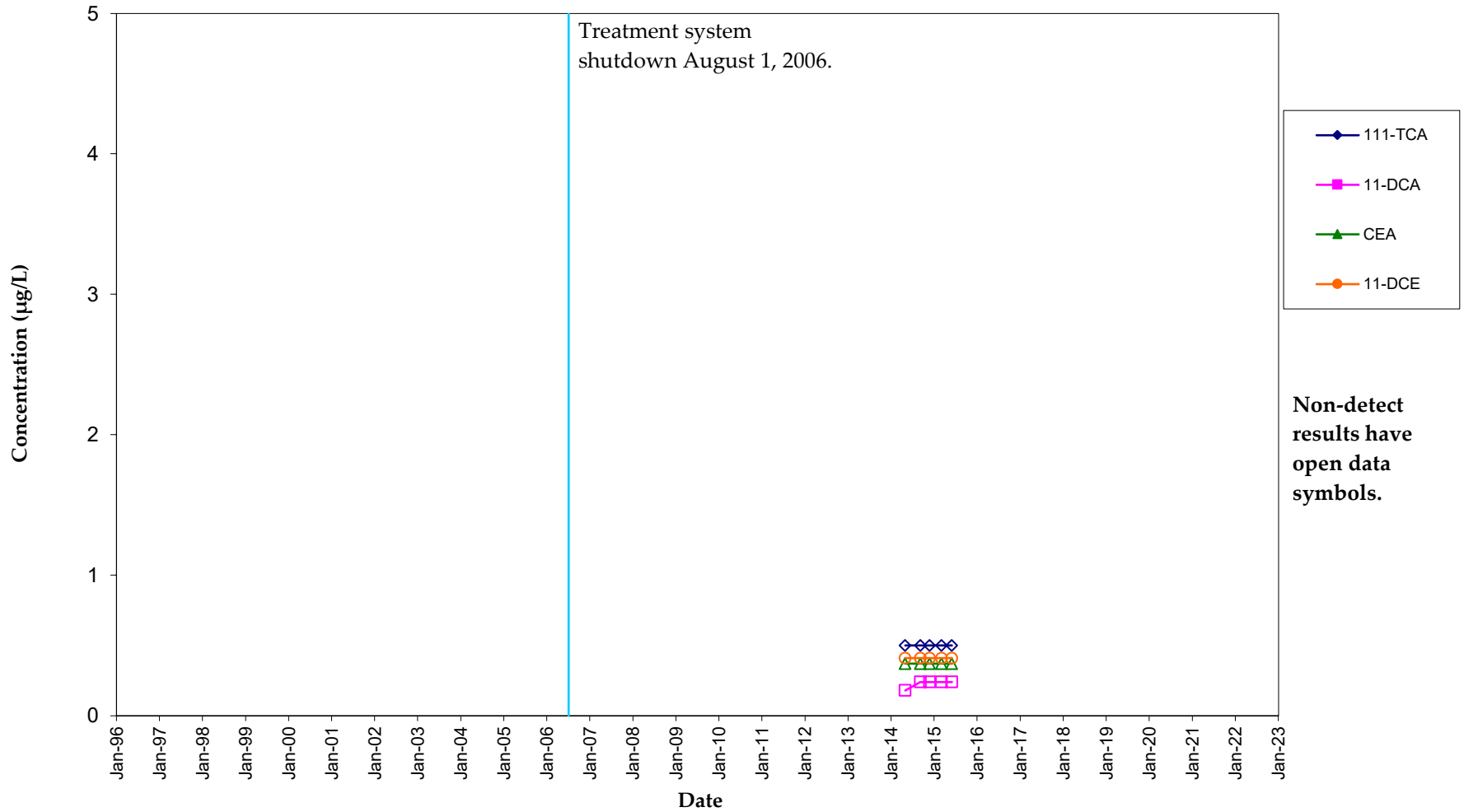
## LH-06 VOC Concentration Trends Lemberger Landfill



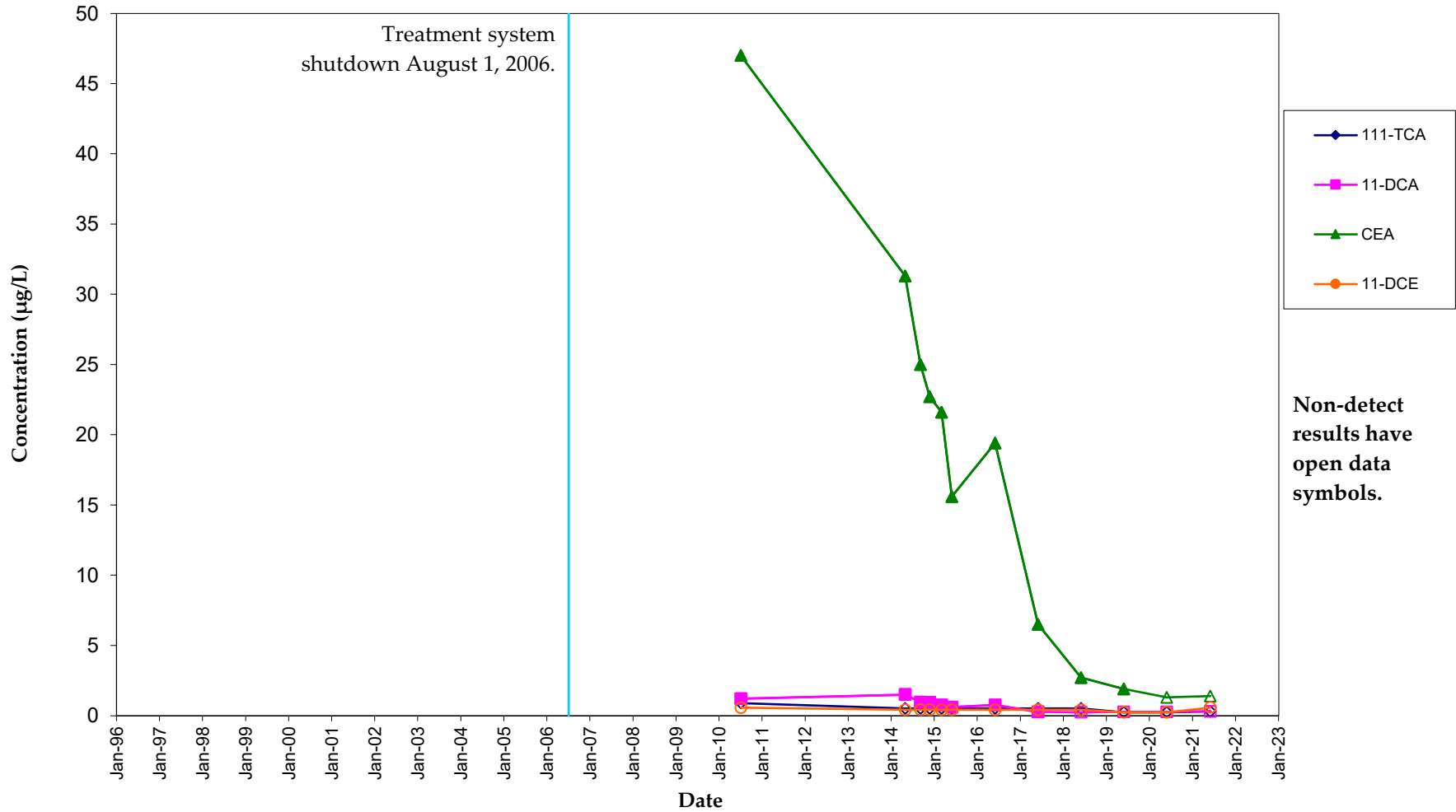
# LH-07 VOC Concentration Trends Lemberger Landfill



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: 11-20-2020

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	907	0	0	0	20.6	0	29.62	STEADY	0
GV-2	928	0	0	0	19.5	0	29.62	STEADY	0
GV-3	941	0	0	0	20	0	29.62	STEADY	0
GV-4	1107	0	0	0	19.8	0	29.62	STEADY	0
GV-5	948	0	0	0	19.7	0	29.62	STEADY	0
GV-6	915	0	0	0	19.9	0	29.62	STEADY	0
GV-7	1003	0	0	0	20	0	29.62	STEADY	0
GV-8	956	0	0	0	19.8	0	29.62	STEADY	0
GV-9	922	0	0	0	19.9	0	29.62	STEADY	0
GV-10	933	0	0	0	19.8	0	29.62	STEADY	0
GV-11	1100	0	0	0	20.4	0	29.62	STEADY	0
GV-12	1113	0	0	0	20.3	0	29.62	STEADY	0
GV-13	1156	0	0	0	20.5	0	29.62	STEADY	0
GV-14	1301	0	0	0	20.1	0	29.62	STEADY	0
GV-15	1053	0	0	0	20	0	29.62	STEADY	0
GV-16	1313	0	0	0	20.1	0	29.62	STEADY	0
GV-17	1129	0	0	0	19.9	0	29.62	STEADY	0
GV-18	1148	0	0	0	20.6	0	29.62	STEADY	0
GV-19	1254	0	0	0	20.4	0	29.62	STEADY	0
GV-20	1046	0	0	0	19.7	0	29.62	STEADY	0
GV-21	1307	0	0	0	19.9	0	29.62	STEADY	0
GV-22	1122	0	0	0	20.2	0	29.62	STEADY	0
GV-23	1141	0	0	0	19.8	0	29.62	STEADY	0
GV-24	1245	0	0	0	19.5	0	29.62	STEADY	0
GV-25	1039	0	0	0	20.2	0	29.62	STEADY	0
GV-26	1218	0	0	0	20.3	0	29.62	STEADY	0
GV-27	1029	0	0	0	19.5	0	29.62	STEADY	0
GV-28	1203	0	0	0	20.3	0	29.62	STEADY	0
GV-29	1135	0	0	0	19.5	0	29.62	STEADY	0
GV-30	1231	0	0	0	20.5	0	29.62	STEADY	0

**SAMPLING DATA SHEET**

**LL/LTR SITES**

Date: 11-20-2020

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	1030	0	0	0	20.6	0	29.62	STEADY	0
GV-32	1210	0	0	0	20.3	0	29.62	STEADY	0
GV-33	1016	0	0	0	19.9	0	29.62	STEADY	0
GV-34	1238	0	0	0	20.2	0	29.62	STEADY	0
GV-35	1010	0	0	0	20.1	0	29.62	STEADY	0
GV-36	1226	0	0	0	20.5	0	29.62	STEADY	0
GP-1	1430	0	0	0	19.3	0	29.62	STEADY	0
GP-2	1329	0	0	0	20.4	0	29.62	STEADY	0
GP-3	1341	0	0	0	19.6	0	29.62	STEADY	0
GP-4	1354	0	0	0	20.2	0	29.62	STEADY	0
GP-5	1404	0	0	0	20.6	0	29.62	STEADY	0
GP-6	1416	0	0	0	20.6	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: Historical Monitoring Data**