2025 Annual Report
Closed Leichner Landfill
Vancouver, Washington
Consent Decree 96-2-03081-7
Facility ID No. 1017

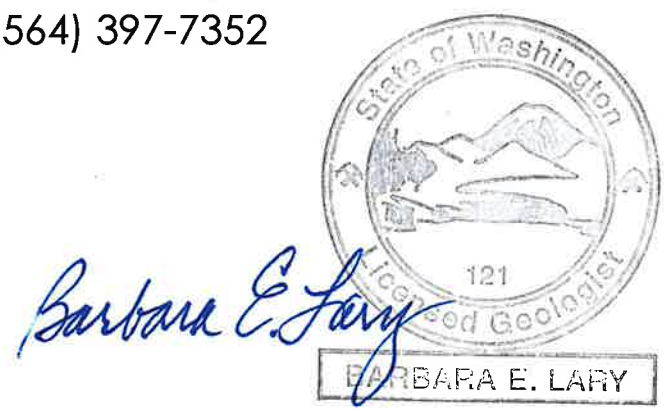
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04226030.14 | February 24, 2026

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1.0 INTRODUCTION

This report presents and evaluates the results of groundwater and landfill gas (LFG) compliance monitoring performed during 2025 at the closed Leichner Landfill located in Vancouver, Washington (Figure 1-1). The report also summarizes notable landfill maintenance, repair, and construction activities performed during 2025. SCS Engineers (SCS) performed the monitoring, maintenance, and repair activities and prepared this report on behalf of Clark County Public Works (County). It should be noted that County management of the Leichner Landfill projects was switched from Clark County Public Health to Clark County Public Works in 2025. Voting authorization still resides with the Leichner Landfill Oversight Committee (LLOC), whose members include the County and City of Vancouver (City).

Compliance monitoring of groundwater and LFG is performed at Leichner Landfill to fulfill certain requirements of the 1996 Consent Decree and associated Cleanup Action Plan (CAP), as well as to concurrently fulfill the requirements of Leichner Landfill's post-closure monitoring and maintenance under Minimum Functional Standards for Solid Waste Handling, Chapter 173-304, of the Washington Administrative Code (WAC). Compliance monitoring is performed in accordance with the methods and procedures described in the site's Compliance Monitoring Plan (CMP) submitted to the Washington State Department of Ecology (Ecology, 1992) and County in July 2013 (SCS, 2013).

The City purchased the former Koski property, part of the overall closed Leichner Landfill, in December 2020 (Figure 1-1). The City is developing the property into its Operations Campus for its Public Works Department. After the City agreed to be a party on the Consent Decree, Ecology accepted their status as a potentially liable person (PLP) for the site on January 2, 2025. Plans have continued to move forward with construction of facility started during fall 2025 and the scheduled completion is currently for fall 2028.

1.1 SITE DESCRIPTION

The Leichner Landfill is a closed, 70-acre municipal solid waste landfill located in Clark County, Washington, about 5 miles northeast of downtown Vancouver (see Figure 1-1). The landfill operated from the late 1930s until 1991. Landfill closure occurred in phases during the summer seasons of 1989, 1990, 1991, and 1992; closure activities included constructing an engineered composite cap, a landfill gas collection and control system (GCCS), and a stormwater collection and control system.

1.2 SITE HYDROGEOLOGY

The geology beneath the landfill site consists of about 70 to 100 feet of alluvium, underlain by the upper member of the Troutdale Formation. The site hydrogeology consists of an approximately 10- to 40-foot thick unsaturated (vadose) zone, and an unconfined alluvial water-bearing zone (WBZ) which ranges in thickness from 35 to 45 feet. Alluvium generally consists of sand, and gravelly to silty sand. The Troutdale Formation aquifer underlies the Alluvium deposits and generally consists of sandy to cobbly gravel with minor amounts of silt and clay. The alluvial WBZ and Troutdale Formation aquifer are separated by a silt aquitard (sandy silt and clayey silt) east and south of the landfill. Southwest of the landfill, the silt aquitard is absent, and the two aquifers are locally in hydraulic communication.

2.0 GROUNDWATER MONITORING

2.1 GROUNDWATER MONITORING NETWORK AND SCHEDULE

The groundwater monitoring network at the Leichner Landfill is comprised of monitoring wells screened in different depth-discrete zones in the alluvial WBZ and Troutdale Formation aquifer. The monitoring well locations are shown in Figure 2-1. The following describes the nomenclature used for the site monitoring wells:

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

The compliance groundwater quality monitoring well network consists of 19 monitoring wells[1] that were sampled during the annual monitoring event performed in March 2025: LB-1S, LB-1D, LB-3S, LB-3D, LB-5S, LB-5D, LB-6S, LB-10SR, LB-10DR, LB-13I, LB-13D, LB-17I, LB-17S, LB-17D, LB-20S, LB-26I, LB-26D, LB-27I, and LB-27D. Groundwater samples were collected from the following monitoring wells during the semiannual monitoring event performed in July 2025:: LB-1S, LB-5S, LB-6S, LB-10SR, LB-13I, LB-17S, LB-26I, and LB-27I.

In preparation for the City's construction activities on their property, monitoring wells LB-5S, LB-5C, LB-5D and LB-6S were decommissioned on September 15 through 18, 2025, consistent with the work plan (SCS, 2024b) conditionally approved by Ecology (Ecology 2024b). A report documenting the decommissioning activities was submitted to Ecology in October 2025 (SCS, 2025b). As described in the approved work plan, (1) replacement monitoring wells for LB-5SR and LB-5DR will be reinstalled after construction activities are completed and (2) replacement wells for LB-6S and LB-5C will not need to be installed. The County proposed using monitoring well LB-17S as a replacement for LB-6S in a memo to Ecology (SCS, 2025a). Ecology approved this change in a letter dated May 19, 2025 (Ecology, 2025). The well LB-17S was added to the semi-annual monitoring schedule as of 2025.

Groundwater samples collected from the site monitoring wells in 2025 were submitted for laboratory analyses to ALS Environmental in Kelso, Washington. The samples were analyzed for nitrate as nitrogen (nitrate), total dissolved solids (TDS), chloride (Cl), dissolved iron (Fe), dissolved manganese (Mn), and volatile organic compounds (VOCs), consistent with testing methods specified in the CMP (SCS, 2013). Laboratory analytical data reports are provided in Appendix C.

Field water-quality parameters (temperature, pH, specific conductance, dissolved oxygen) were monitored during sampling and recorded on field sampling data sheets (FSDSs) provided in Appendix A. The 2025 field parameter monitoring results are provided in Appendix B (see Table B-1).

[1] The compliance monitoring network described in the 2013 CMP (SCS, 2013) includes monitoring wells LB-4SR and LB-4D formerly located east of the Leichner Landfill property. These two wells, along with well LB-4I, were decommissioned in August 2014 as approved by Ecology (Ecology, 2014).

2.2 GROUNDWATER ELEVATIONS AND FLOW DIRECTION

Static depth-to-groundwater levels were measured on March 18, 2025 and July 28, 2025, and converted to groundwater elevations for interpreting groundwater potentiometric surface contours and groundwater flow in the alluvial WBZ and Troutdale Formation aquifer (see Figures 2-2 through 2-5). The 2025 and historical groundwater elevation data are presented in Appendix D.

Groundwater flow in the alluvial WBZ was generally towards the west to southwest (see Figures 2-2 and 2-4). Groundwater flow in the Troutdale Formation aquifer was generally towards the south, with minor southeast to southwest variations (see Figures 2-3 and 2-5). The 2025 groundwater flow directions were consistent with historical interpretations of groundwater flow at Leichner Landfill.

Groundwater elevation hydrographs are provided in Appendix D. The 2025 groundwater elevation data are within the range of elevations measured historically and continued to show minor seasonal variations in some site wells.

Differences in groundwater elevations in adjacent well pairs screened in the alluvial WBZ and Troutdale Formation aquifer (see groundwater elevation data and hydrographs in Appendix D) appear to be influenced by the presence of the silty (sandy silt and clayey silt) aquitard. Where the silt aquitard is present south of the landfill (e.g., at pre-existing well pair LB-5S/LB-5D) and west of the landfill (at wells LB-10SR/DR and LB-27I/D southwest of the landfill), groundwater elevations are about 20 to 25 feet and 10 feet higher, respectively, in the alluvial WBZ indicating hydraulic separation exists between the two groundwater zones. Monitoring well pairs located southwest of the landfill (i.e., at wells LB-1S/LB-1D, LB-13I/LB-13D, and LB-26I/LB-26D) and west of the landfill (LB-3S/LB-3D), where the silt aquitard is thin or absent, exhibited much smaller differences in groundwater elevations indicating that the two groundwater zones exhibit some degree of hydraulic connection.

2.3 DATA QUALITY REVIEW

Groundwater quality monitoring included the following field quality assurance/quality control (QA/QC) procedures: collecting field groundwater duplicate samples, field blanks, equipment blanks, and carrying trip blanks into the field. Laboratory QA/QC procedures included analyzing surrogate spikes, method blanks, matrix spikes, and matrix spike duplicates. The laboratory QA/QC results are included with the laboratory reports. ALS Environmental incorporated its laboratory data quality review comments in the Case Narrative of each laboratory report (see Appendix C).

SCS reviewed field and laboratory data and QA/QC procedures to evaluate whether the data met U.S. Environmental Protection Agency (EPA) quality control requirements. The QA/QC reviews (Appendix E) indicated that no laboratory QA/QC issues were identified that required corrective action, and the data were acceptable for their intended use.

2.4 GROUNDWATER ANALYTICAL RESULTS

Laboratory analytical results of groundwater samples collected from site monitoring wells in 2025 continue to indicate that there is little or no adverse effects on groundwater quality from the closed Leichner Landfill. Groundwater monitoring results supporting this conclusion are discussed in the sections below.

2.4.1 Volatile Organic Compounds

The 2025 analytical data are summarized in Appendix B (see Table B-2). VOCs for which compliance levels were established in the 1996 Consent Decree, and that are still part of the analytical testing program (i.e., 1,4-dichlorobenzene, tetrachloroethene, and trichloroethene)[2], were not detected above the laboratory method reporting limits (MRLs) in groundwater samples collected in March and July 2025.

2.4.2 Inorganic Parameters and Dissolved Metals

The 2025 analytical data for inorganic parameters (nitrate, Cl, TDS) and dissolved metals (Mn and Fe) are summarized in Appendix B (see Table B-3), and time-concentration graphs of historical data for these parameters are provided in Appendix F.

Overall, 2025 groundwater analytical results for inorganic parameters and dissolved metals were generally consistent with historical data. Table 2-1 summarizes 2025 groundwater concentrations above compliance levels. Concentrations of Mn and/or Fe above the compliance levels were detected in four wells located downgradient and near the landfill areas (i.e., LB-17I, LB-17D, LB-20S, and LB-27I). However, Fe and/or Mn concentrations detected above the compliance levels in groundwater collected from these wells may be attributed, in part, to localized variations in natural groundwater chemistry, as previously reported to Ecology, based on the following:

- The concentrations of other leachate indicator parameters, including TDS and Cl, have not shown increasing or elevated concentrations in groundwater collected from these wells and are significantly below compliance levels (see time-concentration graphs in Appendix F).
- Fe has occasionally been detected at concentrations above the compliance levels in groundwater samples collected from cross-gradient well LB-10SR (see Figures 2-2 and 2-4) screened in the shallow alluvium WBZ (see time-concentration diagrams in Appendix F).
- Mn concentrations in groundwater samples collected from well LB-20S have shown an overall decreasing trend since 2013 and are typically below the compliance level (see time-concentration diagrams in Appendix F). Although the recent sampling events indicate a slight increasing trend, these concentrations are still within historical ranges and may be due to regional variations.
- Fe and/or Mn concentrations in samples collected from monitoring wells located hydraulically downgradient of LB-17I/17D (i.e., LB-6S, LB-13I/13D, and LB-26I/26) and well LB-20S (i.e., LB-1S/1D) have remained stable (or non-detect) throughout most of their extensive monitoring history (see time-concentration diagrams in Appendix F).

LB-17S was redeveloped and then sampled on August 6, 2024, the first time since being installed in 1989. The initial groundwater results showed no detections of VOCs. Chloride, TDS, dissolved iron, and dissolved manganese were all below corresponding compliance levels. Nitrate had an initial concentration (13 milligrams per liter [mg/L]) above a compliance level of 10 mg/L. However, follow-

[2] Laboratory analysis of two additional VOCs with established compliance levels (i.e., vinyl chloride and 1,1-dichloroethene) was discontinued in 2013 as approved by Ecology (Ecology, 2013) because these compounds were not detected after two years of testing using a low-level EPA Method 8260B.

up sampling in 2025 showed concentrations below the compliance level, with concentrations ranging from 7.71 through 8.07 mg/L.

2.4.2.1 Statistical Analysis of Groundwater Analytical Data

Leichner Landfill groundwater analytical data for inorganic parameters (nitrate, Cl, and TDS) and dissolved metals (Mn and Fe) were statistically evaluated using the MTCA Statistics Environmental Information Management (EIM) System Data Analysis Tool.[3] Using the last 20 data points, the program identifies if the data shows a normal, lognormal, or non-parametric distribution. For normally and lognormally distributed data, the 95th percent upper confidence limit (UCL-95) of the mean was calculated. For distributions that were non-parametric (i.e., data not distributed normally or lognormally), data values were ranked and an estimate of the UCL-95 was determined using the Van der Parren method, as described in Statistical Guidance for Ecology Site Managers (Ecology, 1992). For non-parametric data, the Van der Parren method defaults to the highest reported value. Table 2-2 provides a summary of calculated UCL-95 of the mean values, along with groundwater compliance levels established in the Consent Decree and CAP.

The calculated UCL-95 values, or default highest reported values, for nitrate, Cl, TDS, Fe and Mn were below their respective compliance levels except for the following:

- Nitrate: The calculated UCL-95 value for nitrate was above the compliance level of 10 mg/L in LB-10SR groundwater. Nitrate concentrations in well LB-10SR groundwater exhibited variability by more than an order of magnitude (0.69 to 23.4 mg/L). Historical nitrate concentrations in well LB-10SR (and former well LB-10S) have shown notable fluctuations that are reflective of natural background concentrations.
- Iron: The calculated UCL-95 values, or default highest reported values, for dissolved Fe were above the compliance of 0.3 mg/L in groundwater from well LB-17I (UCL-95 value of 9.36 mg/L), LB-20S (UCL-95 value of 0.69 mg/L) and LB-10DR (maximum value of 0.76 mg/L).
- Manganese: The calculated UCL-95 values, or default highest reported values, for dissolved Mn were above the compliance level of 0.05 mg/L, in groundwater from wells LB-10DR (maximum value of 0.417 mg/L), LB-17I (UCL95 value of 1.71 mg/L), LB-17D (UCL-95 value of 4.06 mg/L), and LB-20S (UCL-95 value of 3.33 mg/L), LB-27I (UCL-95 value of 0.23 mg/L), and LB-27D (maximum value of 0.28 mg/L).

The above results are consistent with the historical results previously reported in annual reports.

2.4.2.2 Trend Analysis of Groundwater Analytical Data

Time-series concentration plots were generated for each of the inorganic parameters tested (see Appendix F) and evaluated visually to assess whether groundwater parameter concentrations exhibit increasing, decreasing or stable trends. Key results of this analysis are presented below.

Inorganic parameter concentrations in groundwater samples collected from alluvial WBZ wells and Troutdale Formation wells show either generally stable or decreasing trends (particularly since about 2001), except for nitrate concentrations in samples collected from wells LB-10DR, LB-26I, and LB-27D. As previously discussed, changes in nitrate concentrations detected in these wells are believed to be reflective of background (i.e., non-landfill-impacted) groundwater conditions. It should

[3] WA DOE's MTCA Statistics EIM Data Analysis Tool (EDAT - MTCA Statistics).

be noted that the maximum detected nitrate concentrations in groundwater collected from these wells are below the regulatory compliance level of 10 mg/L. Concentrations are occasionally above 10 mg/L in LB-10SR groundwater, however, the concentrations are within the range detected historically in this well and former well LB-10S. Most recent trends show concentrations decreasing and below 10 mg/L.

It is also noteworthy that TDS, Fe, and Mn concentrations in groundwater collected from wells LB-17I, LB-17D, and LB-20S, located downgradient and near the former landfilling areas, exhibited pronounced decreasing concentration trends generally from about 1991- to 2001 (see time-concentration plots in Appendix F). These decreasing concentration trends may be in response to the implementation of Leichner Landfill's post-closure systems, including the landfill cover system and the stormwater control and collection system. Below is a review of the Fe and Mn trends observed in groundwater sampled from LB-17I, LB-17D, and LB-20S.

- Concentrations of Fe in LB-17D groundwater samples have gradually increased since 2001. However, in the spring of 2025, the concentration was 0.111 mg/L, below the compliance level of 0.3 mg/L.
- Concentrations of Fe detected in LB-17I groundwater samples have remained stable since 2001, with concentrations ranging from 6 to 12 mg/L through 2020. The concentration was 14.5 mg/L in February 2021 and has decreased steadily since that event, but overall, the concentrations continue to be above the compliance level.
- Concentrations of Mn in LB-17I groundwater samples are above the compliance level (0.05 mg/L) and have gradually increased since 2001 with a high concentration of 2.86 mg/L detected in the sample collected in 2021. Since 2021, concentrations have continued to decrease to 1.47 mg/L.
- Concentrations of Mn in LB-17D and LB-20S groundwater samples have remained relatively stable and/or exhibited decreasing trends since about 2001, yet have consistently been detected above the compliance level of 0.05 mg/L (see time-concentration diagrams in Appendix F).

3.0 STORMWATER MONITORING

The County received formal approval from Ecology to terminate Leichner Landfill's General Stormwater Permit (No. WAR005572B) as memorialized in a letter dated March 30, 2018 (Ecology, 2018). As a result, monthly stormwater inspection, quarterly monitoring, and annual reporting are no longer required, and these activities were suspended in the first quarter of 2018.

In 2023, the County coordinated with Clark County Public Works Road Division (CCPW) to construct a stormwater control system for the extension of NE 99th Street through the northern portion of the Leichner Landfill. The road project required decommissioning and filling of the North Detention Pond (completed in 2022), redesigning the stormwater control system, and repairing the landfill liner system along the southern edge of the former North Detention Pond impacted by the road construction project. Construction of the new stormwater control system was completed in summer of 2023 including the installation of the stormwater vault and modification of the associated stormwater conveyance system to handle the South Pond and Module 2 discharge. Four new conveyance lines were installed to discharge stormwater into the new North Drain vault; two lines convey stormwater from Module 2 (to the west of the vault) and two lines convey stormwater from South Pond (to the south of the vault). Module 2 surface water is gravity fed and empties into the top of the vault through a grated lid.

Drainage issues attributed to the initial repair of the landfill geomembrane liner were identified in 2024. Temporary repairs of the stormwater system control system associated with the 99th Street project were performed in 2024 that redirected stormwater away from liner seams thus allowing the water to flow toward the vault without impacting the liner. A more permanent repair was designed and successfully implemented in 2025 that included extending the geomembrane liner and modifying the stormwater control system to prevent stormwater from migrating under the liner. Observations made during significant winter storm events in late 2025 have shown that the repairs are working as intended.

Additionally in 2025, two pumps were reinstalled in the South Pond pump vault, along with designing and installing a new electrical control panel and pump control system. The system includes sensors and floats so the pumps operate when water levels reach set levels.

4.0 LANDFILL GAS MONITORING

This section describes the GCCS that was originally installed at the Leichner Landfill in the early 1990s and presents compliance and performance monitoring results associated with the GCCS. The GCCS has been upgraded several times over the years, including most recently with the installation of the new micro-flare in October 2020 in response to decreasing methane production (discussed in Section 4.3.1). The current GCCS includes an LFG extraction well field with 102 gas extraction wells, a condensate collection system, an LFG blower and flare station (BFS), and an integrated remote monitoring and control (RMC) system. The RMC system monitors the operation and performance of the BFS and other components of the GCCS and stormwater collection system. The GCCS components are shown in Figure 4-1.

4.1 COMPLIANCE LFG COMPLIANCE MONITORING NETWORK AND RESULTS

4.1.1 LFG Monitoring Network

Compliance LFG migration monitoring at Leichner Landfill is performed to (1) fulfill compliance monitoring requirements for LFG monitoring probes along the perimeter of the landfill, (2) evaluate and adjust (i.e., balance) the LFG extraction well network, and (3) assess the performance and efficiency of the GCCS, including the BFS.

The LFG compliance monitoring network is comprised of 51 probes located along the perimeter of the landfill property boundary to monitor subsurface LFG migration, and in areas within the property, to more closely monitor the performance of the GCCS (see Figure 4-1). Compliance LFG monitoring probes, constructed as dual-completion probes (i.e., a shallow and deep probe constructed within the same borehole), are designated with an “A” for the shallow probe and “B” for the deep probe. Compliance LFG monitoring probes with the same probe number but constructed in different boreholes are designated with an “S” for the shallow probe and “D” for the deep probe.

Recent modifications to the LFG probe network included the following:

- Three new probes were installed along the northern border of the landfill in January 2024 (GP-40, GP-41 and GP-42; see Figure 4-1) to accommodate monitoring LFG between the landfill and the NE 99th Street extension (SCS, 2024a). The new probes were incorporated into quarterly LFG monitoring network in 2024.
- Waste Connections of Washington, Inc. (WCI) Operations facility (9411 NE 94th Avenue), located adjacent to the west side of the Leichner Landfill, decommissioned and then reinstalled gas probes (GP-03R, GP-04R, and GP-05R; see Figure 4-1) in August 2024, following the completion of construction activities and in compliance with the approved work plan (SCS, 2024a; Ecology, 2024a). Details of the installation were presented in a report dated September 2024 (SCS, 2024c). In 2025, GP-03R, GP-04R, and GP-05R were included in the quarterly LFG monitoring network.

4.1.2 LFG Compliance Monitoring Results

Compliance LFG monitoring was performed quarterly in January, April, September, and October 2025. Quarterly monitoring data collected in 2025 is summarized in Table 4-1. Monitoring results indicate that methane concentrations were below the compliance limit of 5% by volume (predominantly less than 0.1% by volume) in almost all of the LFG monitoring probes except for

recently installed probes GP-40 and GP-41, located between the northern edge of the landfill and the extension of NE 99th Street (see Figure 4-1). It should be noted that these gas probes are not the official points of compliance but used for supplemental monitoring. This past year has been spent working on optimizing the performance of the GCCS and BFS to increase the vacuum in the northern probes and decrease the methane concentrations. Monitoring of these probes in 2025 was shown that the work performed to optimize the performance of the GCCS has been successful in reducing methane concentrations in these two probes (see Figure 4-2). The County has approved potentially installing three additional LFG extraction wells in closer proximity to probes GP-40 and GP-41 and incorporate them into the existing GCCS in the event that further optimization of the GCCS in 2026 is not successful at reducing methane concentrations to below the compliance level in probes GP-40 and GP-41. Replacement of the blowers is also a possibility, if other actions aren't enough to reduce methane concentrations

4.2 LANDFILL GAS EXTRACTION WELLS

The LFG extraction wells (see Figure 4-1) were monitored and adjusted (balanced) semi-monthly (twice a month) during 2025 to maintain balanced and efficient LFG extraction rates.

4.3 LANDFILL GAS FLARE

A new, smaller, more efficient LFG micro-flare was installed in 2020 and started operating on October 2, 2020. The old flare was turned off and disassembled on September 28, 2020.

The LFG flare system was monitored regularly (typically on a weekly or biweekly basis) in 2025 and continuously by the facility's RMC. The monitored parameters include LFG composition, static pressure, flow rate, and temperature measured at the flare inlet. In addition, the flare operating temperature was also measured and recorded. The flare system is equipped with a continuous monitoring system where the flare operating temperature, inlet LFG flow rate, and inlet LFG oxygen concentration data are stored and periodically downloaded for permanent recordkeeping. In 2025, a new pressure transmitter was installed at the BFS and integrated into the RMC system.

In 2024, results of source testing showed that the flare could operate within the temperature range of 1256 °F to 1509 °F and still be within the permitted emission limits (Montrose, 2024). The reestablished range of operating temperatures was approved and the new temperature ranges are referenced in Leichner Landfill's Air Discharge Permit (ADP 20-3433). During 2025, the LFG flare system operated within the approved temperature range. SWCAA conducted an onsite compliance inspection on July 24, 2025 and no violations were observed (SWCAA, 2025).

4.4 GREENHOUSE GAS MONITORING

SCS completed an evaluation in November 2013 to determine if Leichner Landfill is required to report greenhouse gas (GHG) monitoring results (and perform future weekly GHG monitoring) pursuant to the state of Washington GHG rule based on emissions data collected in 2013. The evaluation showed that Leichner Landfill is exempt from GHG reporting and weekly monitoring. Consequently, weekly GHG monitoring was suspended beginning January 2014. The evaluation results were verified with Ecology in 2024; SWCAA staff reiterated that Leichner was not required to report under the mandatory reporting rule (WAC 173-441).

5.0 MAINTENANCE AND REPAIR OF LANDFILL POST-CLOSURE SYSTEMS

5.1 ROUTINE ACTIVITIES

Routine operations, maintenance, and repair of the GCCS and stormwater collection and control system performed in 2025 included the following:

- Performing checks and adjusting the operational settings of the LFG flare system as necessary.
- Performing maintenance and repairs (as needed) of the LFG flare system, condensate collection system, including the condensate sumps, airlines, discharge lines, and compressors.
- Performing minor maintenance and repairs (as needed) of the LFG extraction wells and conveyance piping (e.g., repair of hoses, fittings, and valves).
- Conducting semi-monthly adjustments (i.e., balancing) to the north and south LFG extraction wellfields.
- Performing general maintenance of the (1) detention pond pumps, (2) air compressor for the condensate collection and Module 2 stormwater pumping systems, and (3) Module 2 stormwater management system.
- Coordinating periodic pumping and disposal of condensate collected from the condensate sumps and temporarily stored in the onsite condensate holding tank.
- Performing vegetation control and access road maintenance.
- Reviewing and uploading the LFG monitoring data into SCS's site-specific DataServices™ database for the Leichner Landfill project.
- Performed monthly review of flare temperature data to check that it is operating within permitted limits.
- Performed monthly review and evaluation of the GCCS performance, including the LFG extraction wells and the BFS, and made recommendations to improve its efficiency.

5.2 NON-ROUTINE ACTIVITIES

Notable non-routine maintenance, repair, and replacement activities related to the Leichner Landfill's post-closure systems and equipment performed in 2025 are described in this section unless already previously discussed in this report.

5.2.1 First Quarter 2025

- Set up RMC to record both flare and blower operating conditions to aid in evaluating the performance of the BFS.

- Evaluated options/requirements for upgrading the South Pond pump controller system including having technical discussions with SCS Field Services and RMC technicians, Owens Pumps, and County.

- Worked with Owens Pumps to prepare cost estimate for the PLC and new transducers and floats; moved forward with ordering the equipment following County approval and then ordered pumps, PLC, new transducers, and floats for South Pond pump control system.

- Ordered, installed and tested dedicated bladder pumps, pump controller, specialized anodized aluminum well caps, and associated tubing for performing groundwater sampling prior to the first 2025 semiannual monitoring event.

- Conducted internal (SCS) meetings to review BFS and well field issues and evaluated best presentation methods (tables and graphs) using BFS and LFG well field data in eTools for evaluating flare and well field performance. Moved forward with developing the tabulated and graphical presentation methods to evaluate the monthly BFS and well field performance.

- Continued working with Clark County Public Works Engineering Department to review and finalize their cover system repair design.

5.2.2 Second Quarter 2025

- Worked with Perennial (flare manufacturer) to update the flare programming to correct performance issues.
- Coordinated purchasing supplies and equipment with subcontractors for the reinstallation of repaired pumps in the South Pond vault in May.
- Pumped down South Pond and vault in preparation for installing new pumps. Subcontractors installed and connected the electricity to the new pumps in the South Pond vault under confined space protocols.
- Demolished, scrapped, and recycled the old (north) compressor shed. Relocated the airline to the shed so grading could be made for the planned new compressor shed. Reviewed the fence alignment with old and proposed new north compressor shed locations with the County.
- Conducted a meeting on May 2, 2025 with SCS, County, and the City regarding the City's Operations Campus development plans and schedule.
- Conducted an evaluation for replacing the vacuum transmitter for the BFS and worked with vendor to procure the equipment.

5.2.3 Third Quarter 2025

- Setup and verified remote access to programming of PLC related to blower setting.

- South Pond was dredged, removing silt and vegetation to maintain capacity and prevention of pipe and pump clogs.

- Designed and installed modifications to the flare RMC system to improve monitoring of flare temperature and performance.

- Conducted on-site inspection with SWCAA on July 24, 2025, for regulatory compliance including reviewing flare temperature settings and setup.

- Installed pump float controller system for the South Pond. The South Pond was pumped down and additional holes were drilled in the concrete vault to allow for new wiring/plumbing to be installed in preparation for this work. In September, a new South Pond control panel was installed and tested. Additionally, water-level control floats and transducers installed in the pump vault were calibrated to match the float-level set points.

- Conducted a virtual meeting with the City of Vancouver on July 1, 2025, to discuss options for remediating PCB contaminated soil associated with the Kirkland property and discuss potential impacts to the cover geomembrane from the north-south retaining wall construction on the south side of the landfill.

- County contractor installed new geomembrane liner along the northern portion of the landfill adjacent to the 99th Street extension in August and September 2025 and SCS performed onsite construction quality assurance (CQA) and inspection services during the geomembrane repair work. Work performed included the following:

  - Monitored the geomembrane installation and tested the welded geomembrane seams for conformance with the project specifications. Additional re-welding was conducted when seams failed inspection.

  - Prepared Inspector Daily Reports (IDRs) in Word document forms.

  - Measured quantities of materials, confirmed conformance to specifications and tracked what quantities were used.

  - Tracked people and equipment.

- Conducted periodic meetings and discussions with County and provided senior engineering oversight and review during the liner repair activities in response to unanticipated conditions and modifications in the geomembrane design including (1) differing field conditions for the old geomembrane and how to modify tie-in with the new geomembrane, (2) how to handle condensate sump and condensate lines and LFG conveyance lines, (3) destructive seam sample welding failure, (4) connection and placement of drainage pipe and (5) review of cover materials.

- Temporarily modified/reconfigured conveyance lines and a condensate sump for the landfill's LFG conveyance piping and condensate collection system in a couple of areas to accommodate geomembrane repair activities. After project completion, the conveyance lines and condensate sump were reconnected/reconfigured to resume the functionality of the Landfill's LFG conveyance piping and condensate collection system.

- Inspected condensate traps in the Module 2 area and repaired three traps where air leaks were identified and repaired and regraded settlement areas in the Module 2 area.

- Installed a new pressure transmitter at the BFS and integrated the new transmitter with the PLC and BFS RMC system. Work performed included diagnosing issues with blowers' communication links with the PLC.

5.2.4 Fourth Quarter 2025

- Addressed on-going BFS control issues including technical discussions and follow-up actions with SCS's RMC system technicians (1) after additional system changes were made in September/October and (2) to address a power spike at the BFS; reset all set points that were lost and recorded this information if power spikes or outages occur in the future.
- Conducted final tests and inspection of the newly built and installed South Pond pump control system and worked with SCS's RMC technicians to (1) test and calibrate the newly-installed water-level control floats and transducers in the pump vault (2) program and test the new South Pond PLC/control panel built and installed by EC Electric and (3) check remote monitoring connections.
- Prepared and submitted to the County the Cover Geomembrane Repair CQA report. As part of this activity, SCS Engineers staff interfaced with the County to obtain information from County contractors and engineers working on the project for inclusion in the report.
- Conducted an on-site meeting with the County and City's subcontractor (NV5) on October 24, 2025, to review results of SCS's test pitting and identify/discuss where cover geomembrane was encountered during previous exploration activities.
- Completed reconnecting header pipe for the GCCS conveyance system and cleaned up liner repair area after repair work was completed, including disposing of extra materials and double-checking erosion control measures.
- Continued to assess on-going BFS control issues; work performed included conducting technical discussions and follow-up actions with Perennial and SCS's RMC system technicians after continued problems with flare operation occurred.
- Conducted discussion and review of draft plans with County regarding installation of a power pole and meter onsite by Clark Public Utility District.

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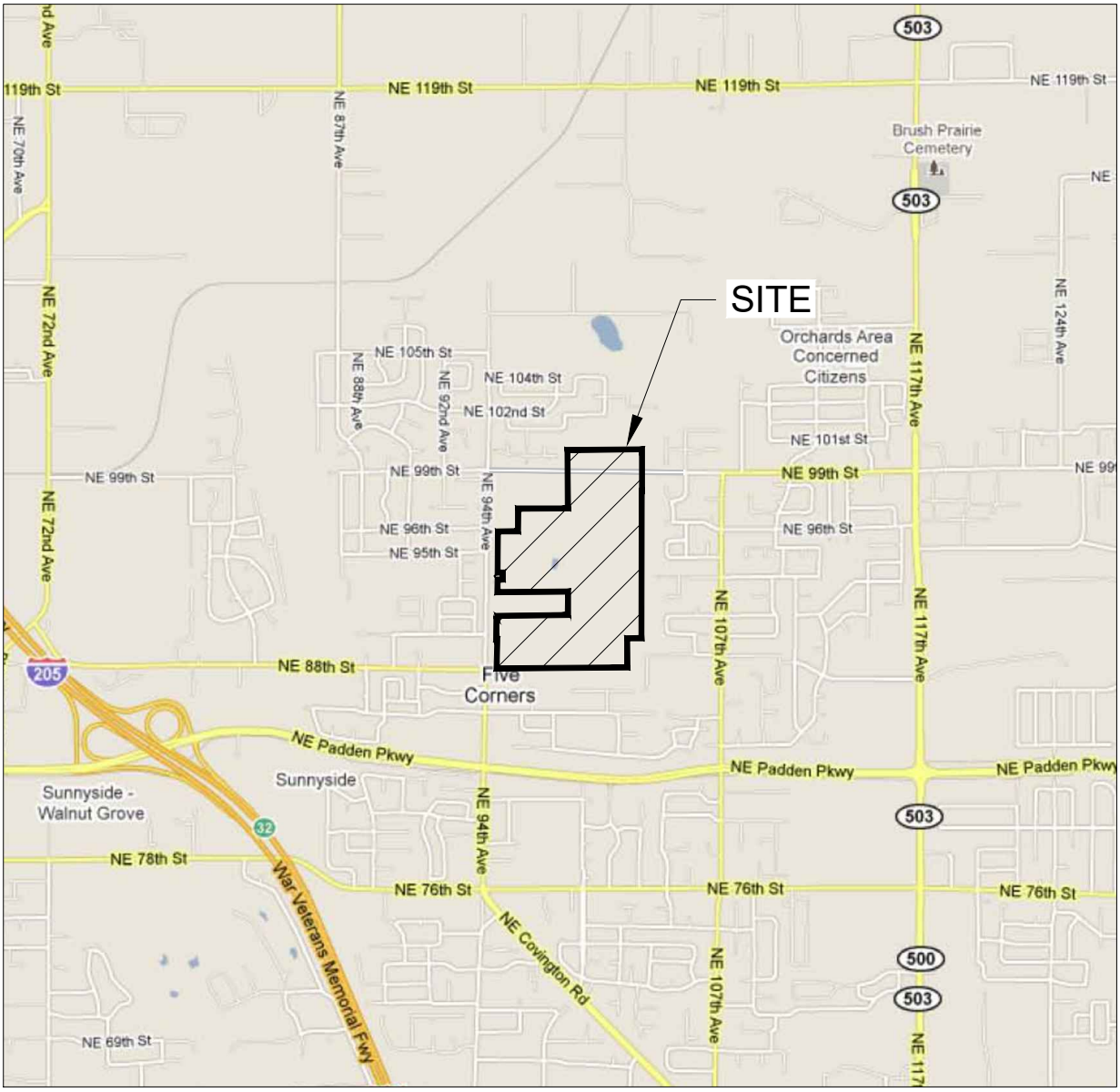
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FIGURES



NOT TO SCALE



WASHINGTON

SOURCE: GOOGLE MAPS

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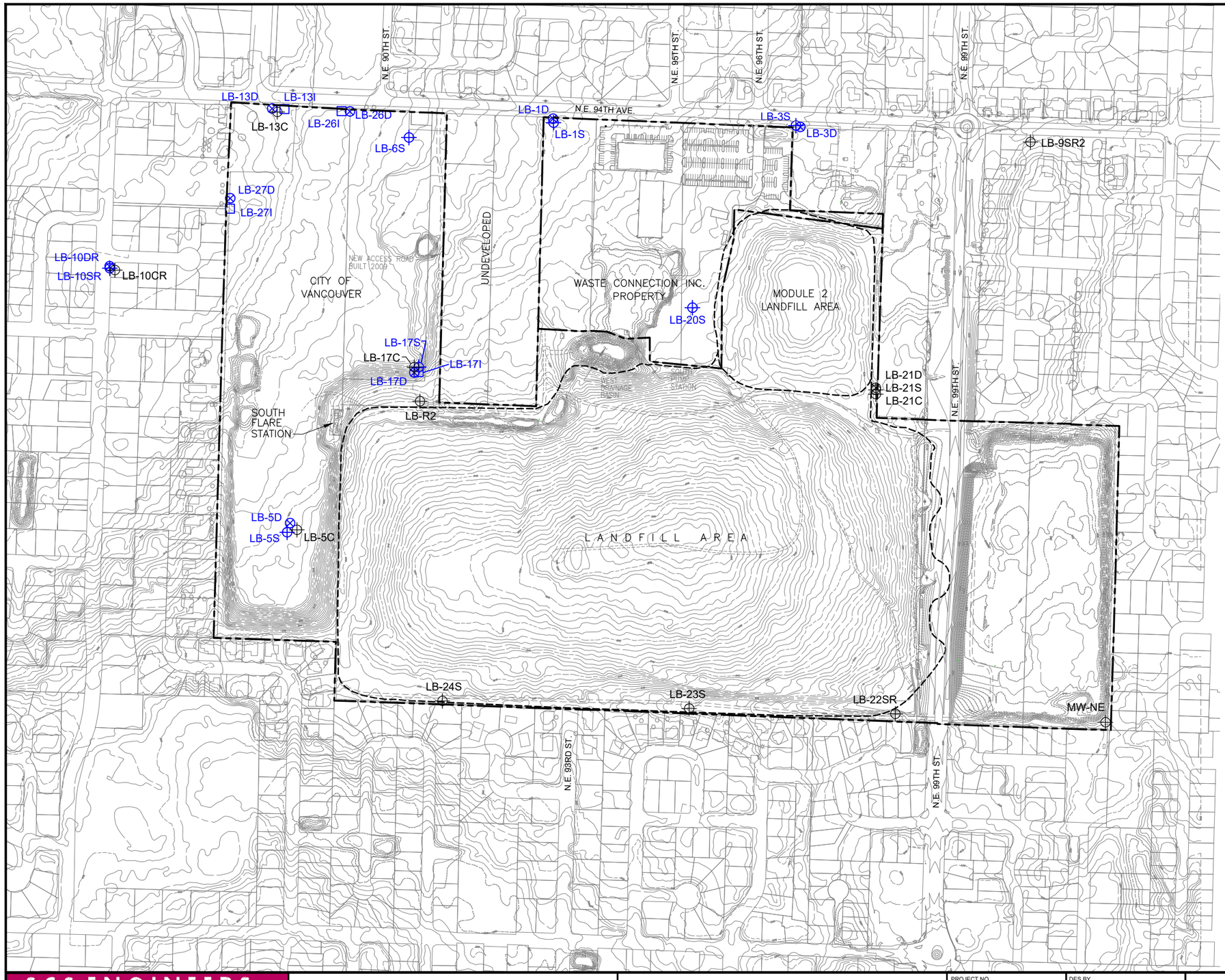
PROJECT NO.	DES BY
04225030.14	S.C.
SCALE	CHK BY
AS SHOWN	B.L.
CAD FILE	APP BY
FIGURE 1-1	L.C.

SITE LOCATION MAP

LEICHNER LANDFILL
CLARK COUNTY, WASHINGTON

DATE
JANUARY 2026

FIGURE
1-1



LEGEND:

LB-5S ⊕ Monitoring Well Location, Alluvial Water–Bearing Zone

LB-5D ⊗ Monitoring Well Location, Troutdale Aquifer

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

——— — — ——— Property Boundary

— — — — — — Limit of Landfill Cover and Approximate Edge of Waste

NOTES:

1. Monitoring wells designated by blue color are compliance monitoring wells.
2. Topography taken from Clark County GIS, December 2023.

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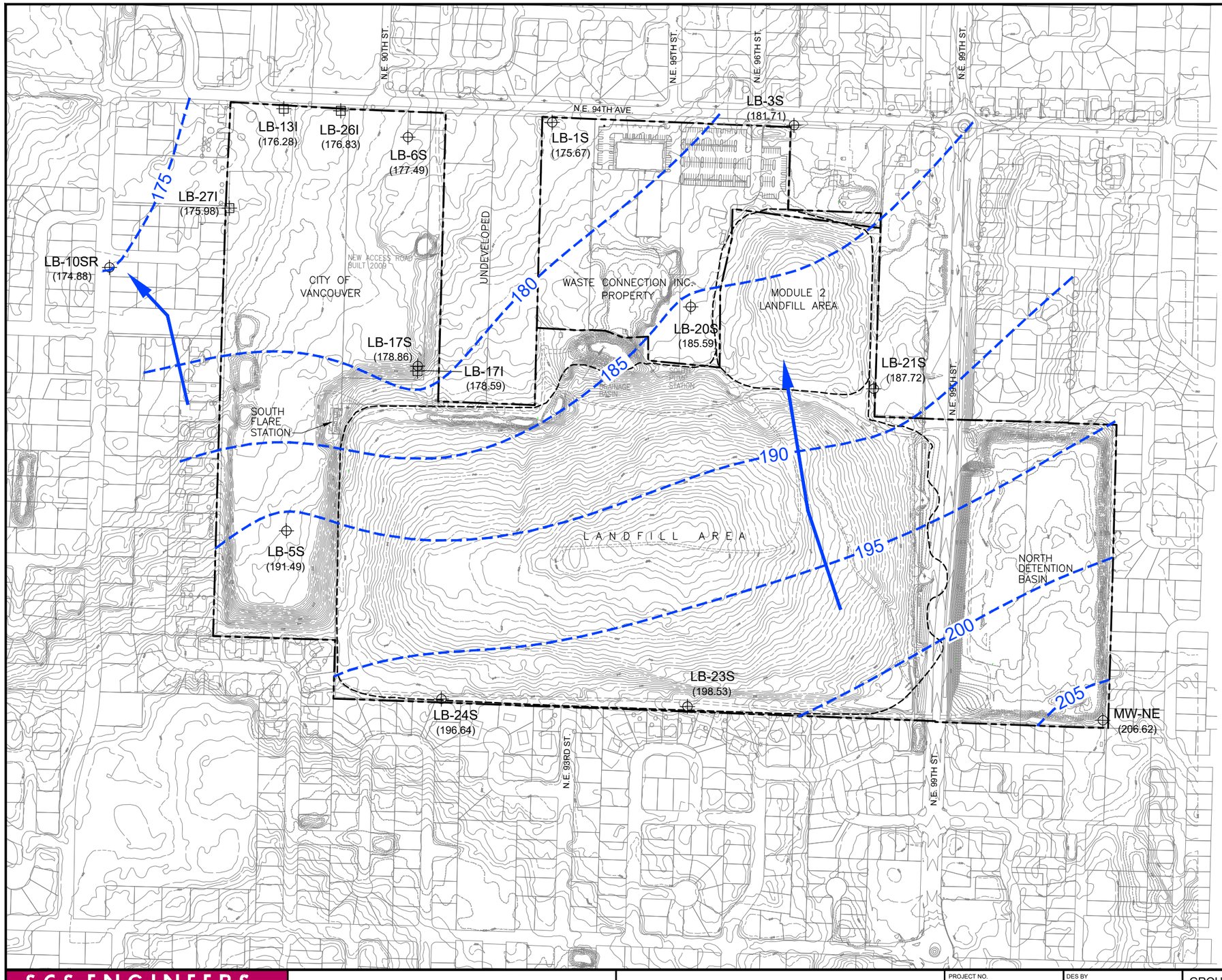
PROJECT NO. 04225030.14	DES BY S.C.
SCALE AS SHOWN	CHK BY B.L.
CAD FILE FIGURE 2-1	APP BY L.C.

GROUNDWATER MONITORING WELL LOCATIONS

LEICHNER LANDFILL
VANCOUVER, WASHINGTON

DATE JANUARY 2026

FIGURE 2-1



LEGEND:

LB-5S ⊕	Monitoring Well Location, Alluvial Water–Bearing Zone
LB-17I ⊕	Monitoring Well Location, Middle of Alluvial Water–Bearing Zone
— — —	Property Boundary
— — —	Limit of Landfill Cover and Approximate Edge of Waste
----200----	Groundwater Potentiometric Surface Contour, queried where uncertain
(178.59)	Groundwater Elevation Measured on March 18, 2025
→	Inferred Groundwater Flow Direction

NOTES:

1. Topography taken from Clark County GIS, December 2023.

SCALE
0 400 800 FEET

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PROJECT NO. 04225030.14	DES BY B.L.	GROUNDWATER POTENTIOMETRIC SURFACE CONTOURS ALLUVIAL WATER BEARING ZONE MARCH 18, 2025 LEICHNER LANDFILL VANCOUVER, WASHINGTON	DATE JANUARY 2026
SCALE AS SHOWN	CHK BY B.L.		FIGURE 2-2
CAD FILE FIGURE 2-2	APP BY L.C.		

LB-13D
(176.25)

LB-26D
(177.64)

LB-1D
(175.54)

LB-3D
(181.78)

LB-27D
(168.53)

LB-10DR
(162.25)

LB-17D
(177.69)

LB-21D
(184.68)

LB-5D
(171.57)

N.E. 90TH ST.
N.E. 94TH AVE.
N.E. 95TH ST.
N.E. 96TH ST.
N.E. 99TH ST.
N.E. 93RD ST.

UNDEVELOPED
NEW ACCESS ROAD BUILT 2009
CITY OF VANCOUVER
WASTE CONNECTION INC. PROPERTY
MODULE 2 LANDFILL AREA
SOUTH FLARE STATION
DRAINAGE BASIN
PUMP STATION
LANDFILL AREA
NORTH DETENTION BASIN

165
170
175
180

LEGEND:

LB-5D ⊗	Monitoring Well Location, Troutdale Aquifer
— — — —	Property Boundary
— — — — —	Limit of Landfill Cover and Approximate Edge of Waste
----175 ----	Groundwater Potentiometric Surface Contour, queried where uncertain
(171.57)	Groundwater Elevation Measured on March 18, 2026
→	Inferred Groundwater Flow Direction

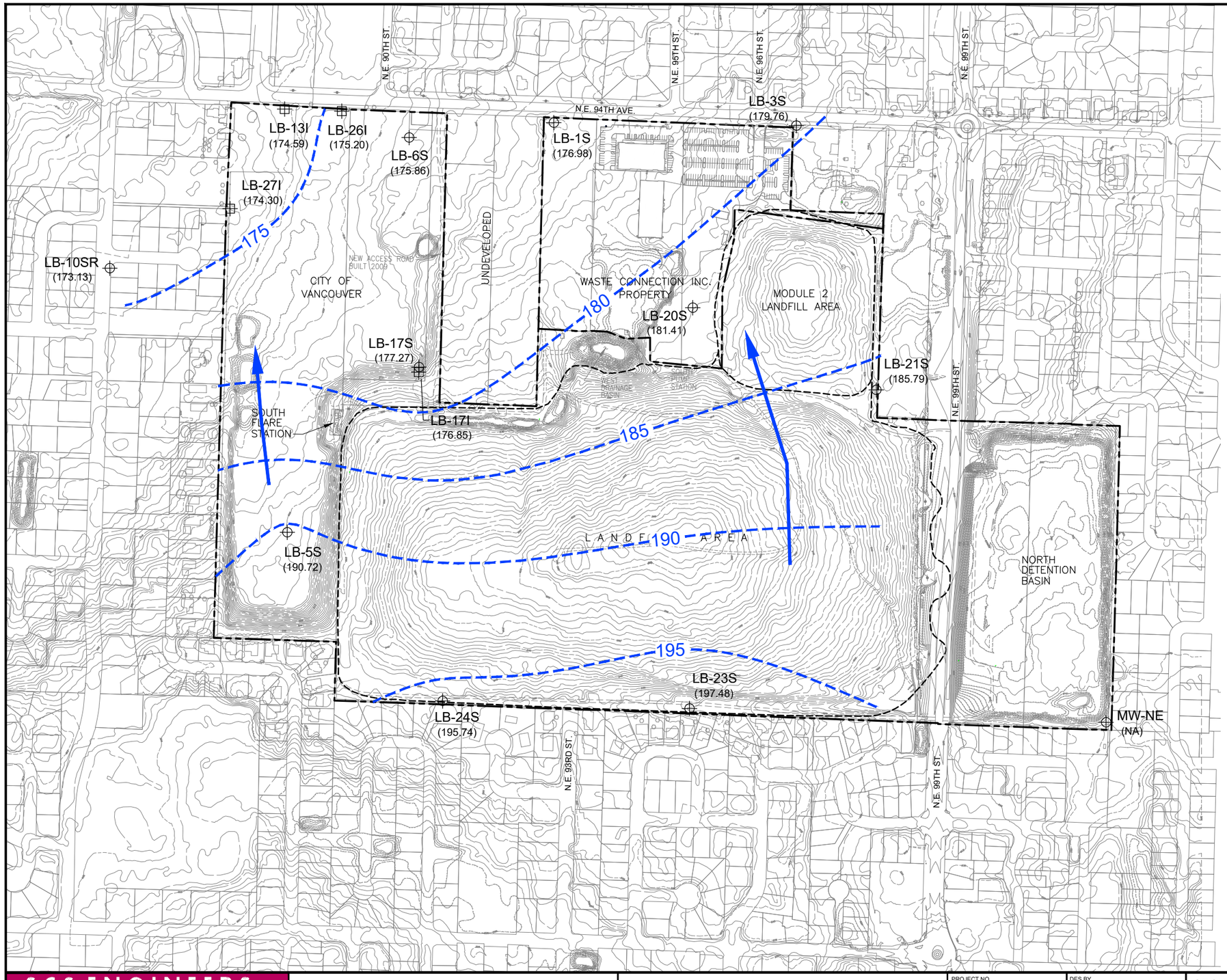
NOTES:

1. Topography taken from Clark County GIS, December 2023.

SCALE
0 400 800 FEET

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PROJECT NO. 04225030.14	DES BY S.C.	GROUNDWATER POTENTIOMETRIC SURFACE CONTOURS TROUTDALE FORMATION AQUIFER MARCH 18, 2025 LEICHNER LANDFILL VANCOUVER, WASHINGTON	DATE JANUARY 2026
SCALE AS SHOWN	CHK BY B.L.		FIGURE 2-3
CAD FILE FIGURE 2-3	APP BY L.C.		



LEGEND:

- LB-5S ⊕ — Monitoring Well Location, Alluvial Water–Bearing Zone
- LB-17I ⊕ — Monitoring Well Location, Middle of Alluvial Water–Bearing Zone
- Property Boundary
- Limit of Landfill Cover and Approximate Edge of Waste
- 200 — Groundwater Potentiometric Surface Contour, queried where uncertain
- (176.85) — Groundwater Elevation Measured on July 28, 2025
- Inferred Groundwater Flow Direction

NOTES:

1. Topography taken from Clark County GIS, December 2023.

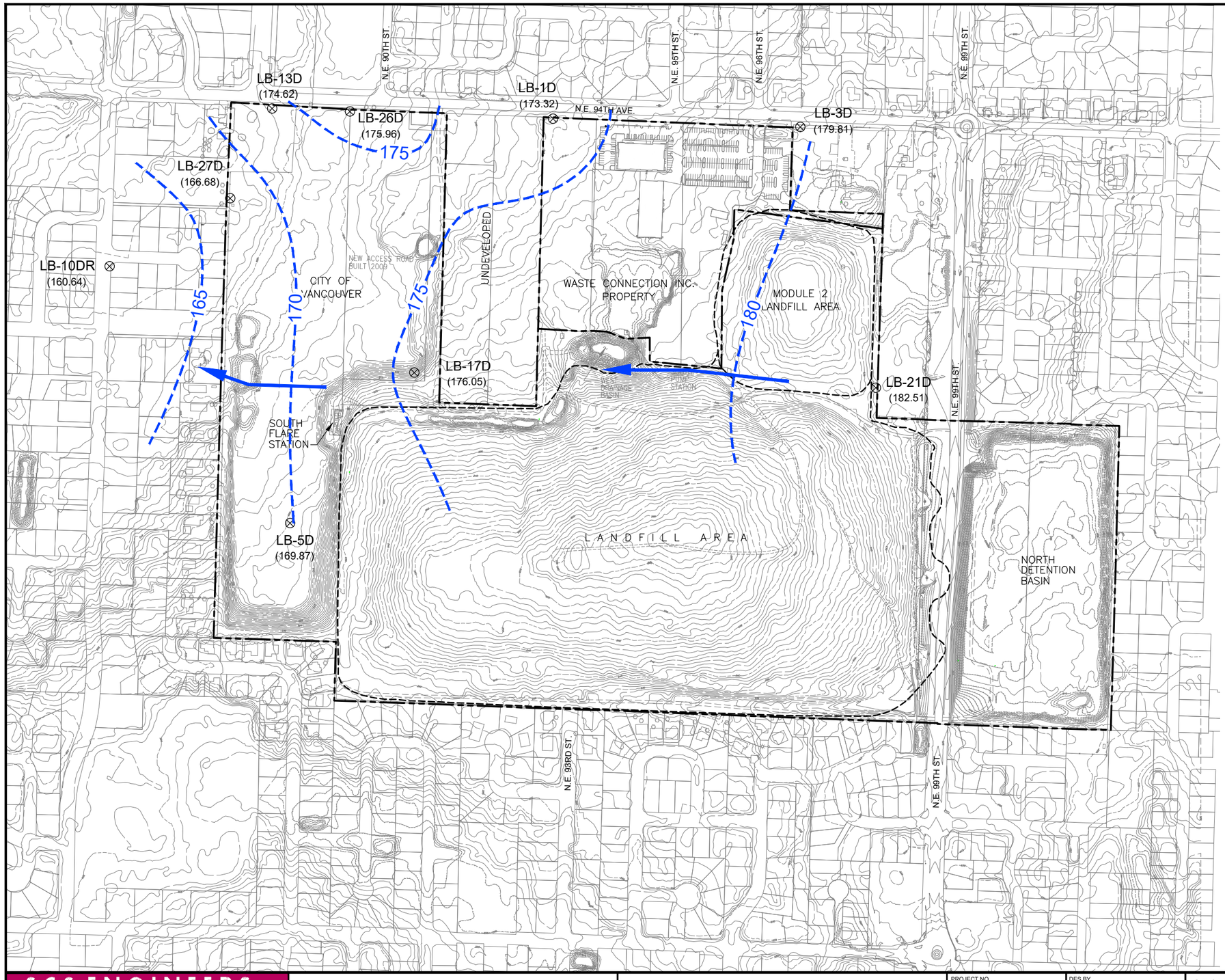
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SCALE
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PROJECT NO. 04225030.14	DES BY S.C.
SCALE AS SHOWN	CHK BY B.L.
CAD FILE FIGURE 2-4	APP BY L.C.

GROUNDWATER POTENTIOMETRIC SURFACE CONTOURS
ALLUVIAL WATER BEARING ZONE
JULY 28, 2025
LEICHNER LANDFILL
VANCOUVER, WASHINGTON

DATE JANUARY 2026
FIGURE 2-4



LEGEND:

LB-5D ⊗	Monitoring Well Location, Troutdale Aquifer
— — — —	Property Boundary
— — — — —	Limit of Landfill Cover and Approximate Edge of Waste
----175----	Groundwater Potentiometric Surface Contour, queried where uncertain
(169.87)	Groundwater Elevation Measured on July 28, 2026
→	Inferred Groundwater Flow Direction

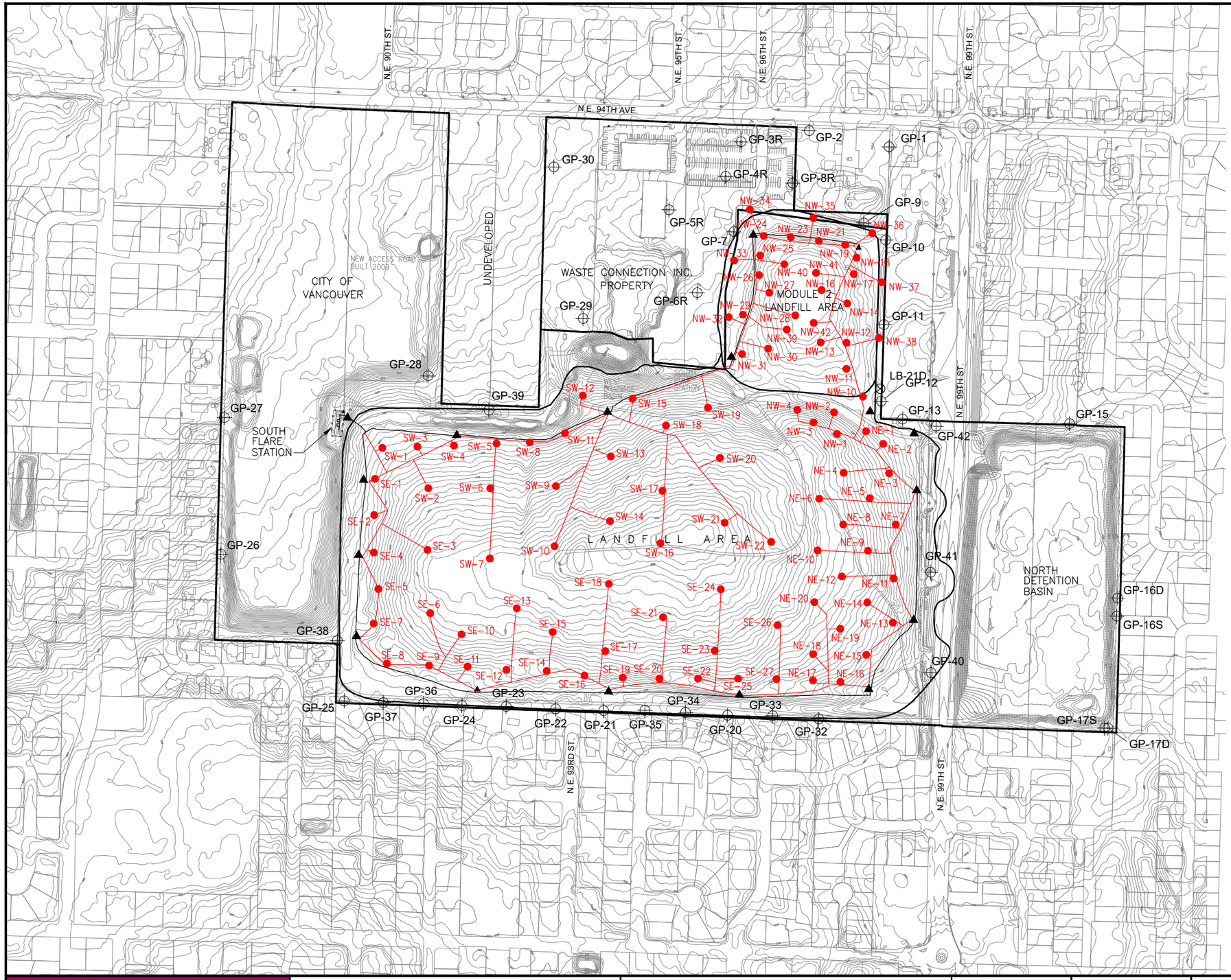
NOTES:

1. Topography taken from Clark County GIS, December 2023.

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SCALE
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PROJECT NO. 04225030.14	DES BY S.C.	GROUNDWATER POTENTIOMETRIC SURFACE CONTOURS TROUTDALE FORMATION AQUIFER JULY 28, 2025 LEICHNER LANDFILL VANCOUVER, WASHINGTON	DATE JANUARY 2026
SCALE AS SHOWN	CHK BY B.L.		FIGURE 2-5
CAD FILE FIGURE 2-5	APP BY L.C.		



LEGEND:

- GP-30 — Compliance Landfill Gas Monitoring Probe Location
- SW-1 — Vertical Landfill Gas Extraction Well
- Condensate Sump
- Gas Collection Piping
- Property Boundary
- Limit of Landfill Cover and Approximate Edge of Waste

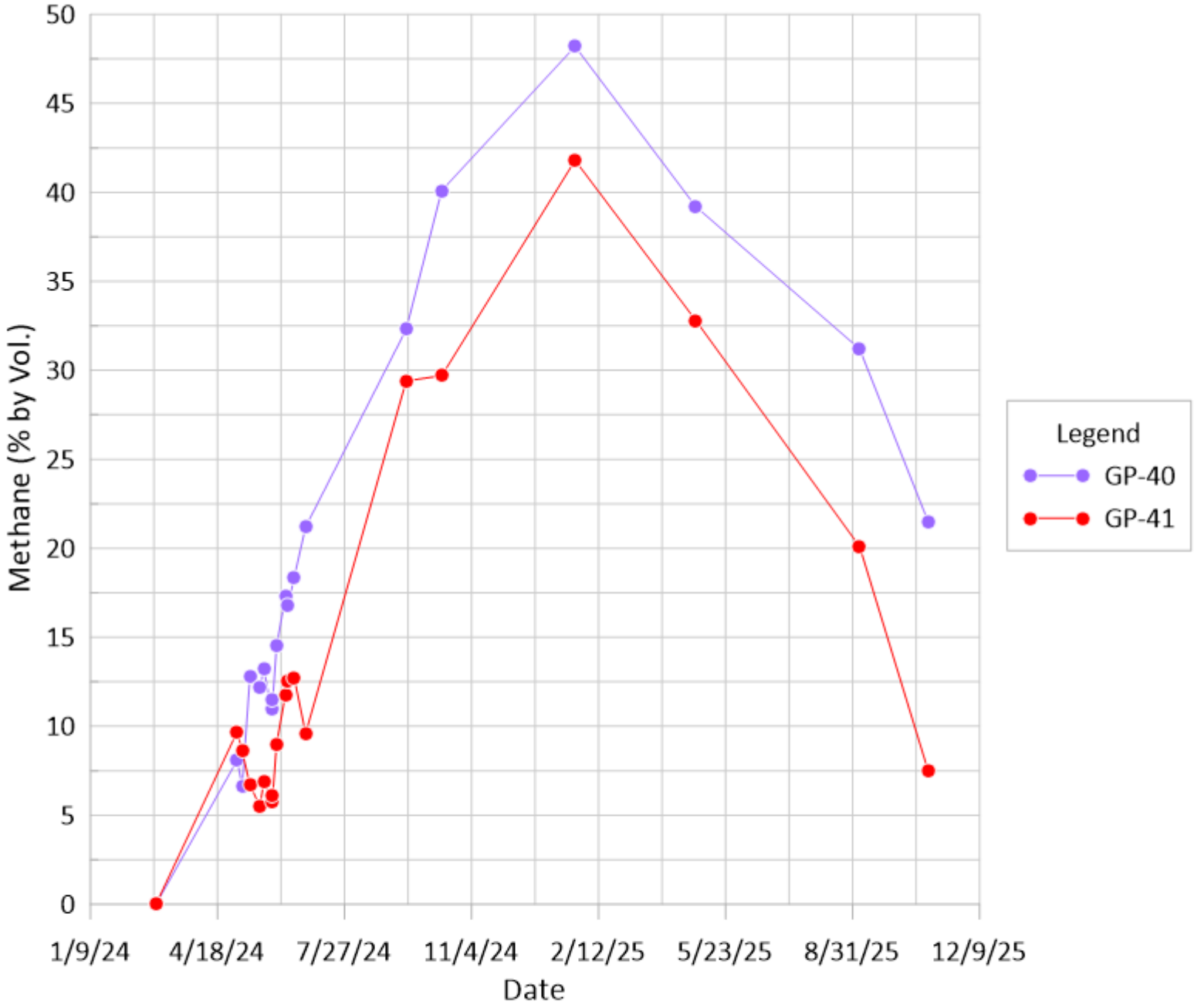
NOTES:

1. Topography taken from Clark County GIS, December 2023.

SCS ENGINEERS

SCALE
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PROJECT NO. 04225030.14	DES BY S.C.	LANDFILL GAS PROBE AND EXTRACTION WELL LOCATIONS	DATE JANUARY 2026
SCALE AS SHOWN	CHK BY B.L.	LEICHNER LANDFILL VANCOUVER, WASHINGTON	FIGURE 4-1
CAD FILE FIGURE 4-1	APP BY L.C.		



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Methane Concentrations (% by vol)
2025 Annual Environmental Monitoring Report
Closed Leichner Landfill, Vancouver, WA

DATE: January 2026
FIGURE: 4-2

TABLES

Table 2-1
2025 Groundwater Concentrations Above Compliance Levels
Leichner Landfill

Location	Sample Number	Date	Nitrate as Nitrogen (CL = 10 mg/L)	Dissolved Iron (CL = 0.3 mg/L)	Dissolved Manganese (CL = 0.05 mg/L)
LB-10SR	LB-021821-03-10SR	2/18/21	---	---	---
LB-10SR	LB-081021-02-10SR	8/10/21	15.20	---	---
LB-10SR	LB-021522-08-10SR	2/15/22	---	---	---
LB-10SR	LB-072622-05-10SR	7/26/22	---	---	---
LB-10SR	LB-032023-05-10SR	3/20/23	---	---	---
LB-10SR (DUP)	LB-032023-06-DUP1	3/20/23	---	---	---
LB-10SR	LB-072623-03-10SR	7/26/23	---	---	---
LB-10SR	LB-021224-05-10SR	2/12/24	---	---	---
LB-10SR	LB-021224-06-DUP1	2/12/24	---	---	---
LB-10SR	LB-080724-06-10SR	8/7/24	---	---	---
LB-10SR	LB-032625-01-10SR	3/26/25	---	---	---
LB-10SR	LB-072925-03-10SR	7/29/25	---	---	---
LB-17D	LB-021821-09-17D	2/18/21	---	---	4.06
LB-17D	LB-021422-04-17D	2/14/22	---	0.326	3.58
LB-17D	LB-032123-10-17D	3/21/23	---	---	3.82
LB-17D	LB-021324-02-17D	2/13/24	---	0.320	3.86
LB-17D	LB-031925-03-17D	3/19/25	---	0.111	4.09
LB-17I	LB-021921-03-17I	2/19/21	---	14.50	2.86
LB-17I	LB-021622-09-17I	2/16/22	---	11.00	2.41
LB-17I	LB-032123-11-17I	3/21/23	---	9.07	2.04
LB-17I	LB-021324-03-17I	2/13/24	---	7.83	1.70
LB-17I	LB-021324-04-DUP1	2/13/24	---	7.85	1.70
LB-17I	LB-031925-04-17I	3/19/25	---	6.42	1.47
LB-20S	LB-021921-01-20S	2/19/21	---	---	0.251
LB-20S	LB-021522-04-20S	2/15/22	---	---	0.0779
LB-20S	LB-072622-01-20S	7/26/22	---	---	0.445
LB-20S	LB-112922-03-20S	11/29/22	---	---	---
LB-20S	LB-032123-01-20S	3/21/23	---	1.46	1.75
LB-20S	LB-021424-05-20S	2/14/24	---	---	0.625
LB-20S	LB-021424-06-DUP1	2/14/24	---	---	0.651
LB-20S	LB-032025-04-20S	3/20/25	---	---	0.270
LB-27I	LB-021921-04-27I	2/19/21	---	---	0.079
LB-27I (DUP)	LB-021921-04-27I	2/19/21	---	---	0.082
LB-27I	LB-021622-02-27I	2/16/22	---	---	---
LB-27I	LB-072522-03-27I	7/25/22	---	---	---
LB-27I	LB-032123-03-27I	3/21/23	---	---	---
LB-27I (DUP)	LB-032123-04-DUP2	3/21/23	---	---	---
LB-27I	LB-072523-02-27I	7/25/23	---	---	0.118
LB-27I	LB-021324-09-27I	2/13/24	---	---	0.128
LB-27I	LB-080624-02-27I	8/6/24	---	---	0.137
LB-27I	LB-032625-07-27I	3/26/25	---	---	0.253
LB-27I	LB-072925-04-27I	7/29/25	---	---	0.198
LB-27I (DUP)	LB-072925-05-27I	7/29/25	---	---	0.199

Notes:
CL = compliance level for inorganic parameters and metals in groundwater at Leichner Landfill.
mg/L = milligrams per liter
WGQC =Ground water quality criteria
µg/L = micrograms per liter
--- = concentration was below the compliance level

Table 2-2
Statistical Summary of Groundwater Quality Data
95 Percent Upper Confidence Limit of the Mean[a]
Leichner Landfill

Parameter	Compliance Level	Well ID	LB-1S	LB-1D	LB-3S	LB-3D	LB-5S	LB-5D	LB-6S	LB-10SR	LB-10DR	LB-13I	LB-13D	LB-17I	LB-17D	LB-20S	LB-26I	LB-26D	LB-27I	LB-27D
		Years	2016-2025	2006-2025	2008-2025	2006-2025	2016-2025	2006-2025	2016-2025	2016-2025	2006-2025	2016-2025	2006-2025	2007-2025	2006-2025	2008-2025	2016-2025	2006-2025	2016-2025	2007-2025
Inorganic Parameters																				
Chloride	250	mg/L	8.1	6.88	4.54	5.16	5.18	10.95	5.78	18.94	21.29	8.76	5.36	14.41	10.87	23.19	7.87	5.29	24.69	9.92
Nitrate	10	mg/L	5.0	6.00	4.20	5.22	5.36	1.20	M(4.37)	**10.56**	2.77	4.07	4.99	All ND	M(1.61)	M(0.68)	4.09	5.49	1.32	4.05
Total Dissolved Solids	500	mg/L	197.90	178.53	170.49	174.21	161.38	236.96	M(189)	255.02	294.96	195.57	173.20	239.58	201.79	268.30	190.61	182.4	301.39	238.26
Metals																				
Iron (dissolved)	0.3	mg/L	M(0.024)	M(0.04)	All ND	M(0.027)	M(0.035)	M(0.13)	M(0.023)	M(0.064)	**M(0.76)**	M(0.026)	M(0.024)	**9.36**	0.150	**0.69**	M(0.046)	M(0.027)	M(0.044)	M(0.23)
Manganese (dissolved)	0.05	mg/L	M(0.0018)	M(0.0058)	All ND	M(0.0019)	M(0.0013)	M(0.0043)	M(0.00085)	0.0021	**M(0.417)**	0.0055	NC	**1.71**	**4.06**	**3.33**	0.0028	M(0.0034)	**0.230**	**M(0.28)**

NOTES:
ND = indicates not detected at any sampling event
Values shown in **bold** are greater than the specified compliance level.

[a] Values shown are the 95 percent upper confidence limit on the mean (UCL-95) calculated using the most recent 20 data values, if available, and WA DOE's MTCA Statistics EIM Data Analysis Tool (2025, WA DOE).

Table 4-1
2025 Compliance Landfill Gas Monitoring Probe Data
Leichner Landfill

Probe	Date	Methane	Carbon Dioxide	Oxygen	Balance Gases
		Percent by Volume			
GP01A	1/16/2025	0	2.3	19.8	77.9
GP01A	4/28/2025	0	2.7	19	78.3
GP01A	9/5/2025	0	2.4	19.4	78.2
GP01A	10/31/2025	0	3.1	17.9	79
GP01B	1/16/2025	0	2.7	19.3	78
GP01B	4/28/2025	0	2.5	19.2	78.3
GP01B	9/5/2025	0	1.7	19.6	78.7
GP01B	10/31/2025	0	2.9	18.2	78.9
GP02	1/16/2025	0	2.4	19	78.6
GP02	4/28/2025	0	2.6	18.5	78.9
GP02	9/5/2025	0	1.9	19.4	78.7
GP02	10/31/2025	0	2.3	18.8	78.9
GP03R	1/16/2025	0	2.5	18.5	79
GP03R	4/28/2025	0	3.1	17.5	79.4
GP03R	9/5/2025	0	4.6	14.6	80.8
GP03R	10/31/2025	0	4.2	15.7	80.1
GP04R	1/16/2025	0	1.6	19.9	78.5
GP04R	4/28/2025	0	1.6	19.6	78.8
GP04R	9/5/2025	0	1.7	18.8	79.5
GP04R	10/31/2025	0	1.6	18.7	79.7
GP05R	1/16/2025	0	2.2	18.8	79
GP05R	4/28/2025	0	1	20.9	78.1
GP05R	9/5/2025	0	2	18.2	79.8
GP05R	10/31/2025	0	2.4	16.7	80.9
GP06R	1/16/2025	0	5	14.5	80.5
GP06R	4/28/2025	0	4.7	15.4	79.9
GP06R	9/5/2025	0	4	16.9	79.1
GP06R	10/31/2025	0	3.9	16.1	80
GP07	1/16/2025	0	6.4	9.7	83.9
GP07	4/28/2025	0	2.3	16.5	81.2
GP07	9/5/2025	0	3.5	17.5	79
GP07	10/31/2025	0	5.4	13.2	81.4
GP08R	1/16/2025	0	2.3	19.7	78
GP08R	4/28/2025	0	2.1	19.1	78.8
GP08R	9/5/2025	0	2.6	18.6	78.8
GP08R	10/31/2025	0	3.2	18.1	78.7

Table 4-1
2025 Compliance Landfill Gas Monitoring Probe Data
Leichner Landfill

Probe	Date	Methane	Carbon Dioxide	Oxygen	Balance Gases
		Percent by Volume			
GP09A	1/24/2025	0	7.2	9.5	83.3
GP09A	4/28/2025	0	4.9	14.3	80.8
GP09A	9/5/2025	0	2.8	16.5	80.7
GP09A	10/31/2025	0	4.8	13.7	81.5
GP09B	1/24/2025	0.5	12.3	1.9	85.3
GP09B	4/28/2025	0	12.4	1.9	85.7
GP09B	9/5/2025	0	10.2	4.4	85.4
GP09B	10/31/2025	0	12.6	4.1	83.3
GP10A	1/24/2025	0	4.4	12.8	82.8
GP10A	4/28/2025	0	5.4	13.8	80.8
GP10A	9/5/2025	0	4	16.1	79.9
GP10A	10/31/2025	0	4.4	16.8	78.8
GP10B	1/24/2025	0	2.4	18.1	79.5
GP10B	4/28/2025	0	1.8	19.7	78.5
GP10B	9/5/2025	0	2.8	19.8	77.4
GP10B	10/31/2025	0	1.3	19	79.7
GP11	1/24/2025	0	0.9	20.1	79
GP11	4/28/2025	0	1.1	20.3	78.6
GP11	9/5/2025	0	0.9	20.2	78.9
GP11	10/31/2025	0	1.1	19.1	79.8
GP112	9/5/2025	0	0.9	20.8	78.3
GP112	10/31/2025	0	0.3	20.1	79.6
GP12	1/24/2025	0	0.8	21	78.2
GP12	4/29/2025	0	2.6	20.9	76.5
GP13	1/24/2025	0.1	2.6	18.3	79
GP13	4/29/2025	0	1.9	19.8	78.3
GP13	9/5/2025	0.1	2.9	18.8	78.2
GP13	10/31/2025	0	2.4	18	79.6
GP15	1/16/2025	0	2.8	19.9	77.3
GP15	4/28/2025	0	2.3	19.2	78.5
GP15	9/11/2025	0	1.7	19.1	79.2
GP15	10/31/2025	0	2.8	18.7	78.5
GP16D	1/16/2025	0	2.3	20	77.7
GP16D	4/28/2025	0	2.5	19.2	78.3
GP16D	9/11/2025	0	2.4	18.9	78.7
GP16D	10/31/2025	0	2.8	18.7	78.5

Table 4-1
2025 Compliance Landfill Gas Monitoring Probe Data
Leichner Landfill

Probe	Date	Methane	Carbon Dioxide	Oxygen	Balance Gases
		Percent by Volume			
GP16S	1/16/2025	0	1.8	20.6	77.6
GP16S	4/28/2025	0	1.6	20.5	77.9
GP16S	9/11/2025	0	1.7	19.9	78.4
GP16S	10/31/2025	0	1.5	19.6	78.9
GP17D	1/16/2025	0	3.6	18.6	77.8
GP17D	4/28/2025	0	3.3	19.5	77.2
GP17D	9/11/2025	0	4.1	17.8	78.1
GP17D	10/31/2025	0	5.5	16.3	78.2
GP17S	1/16/2025	0	3.5	18.5	78
GP17S	4/28/2025	0	4.6	17.6	77.8
GP17S	9/11/2025	0	2.2	19.3	78.5
GP17S	10/31/2025	0	3.6	17.9	78.5
GP20	1/24/2025	0	7.9	5.4	86.7
GP20	4/29/2025	0	10.6	3.9	85.5
GP20	9/5/2025	0	6.2	10.9	82.9
GP20	10/29/2025	0	8.6	11.8	79.6
GP21A	1/24/2025	0	1.4	19.7	78.9
GP21A	4/29/2025	0	2	17.5	80.5
GP21A	9/5/2025	0	1	19.3	79.7
GP21A	10/29/2025	0	1.1	20.1	78.8
GP21B	1/24/2025	0	1.8	18.8	79.4
GP21B	4/29/2025	0	2.5	14.6	82.9
GP21B	9/5/2025	0	1.8	18	80.2
GP21B	10/29/2025	0	2.4	18.8	78.8
GP22	1/24/2025	0	1.3	20.5	78.2
GP22	4/29/2025	0	1.4	20.7	77.9
GP22	9/5/2025	0	0.9	20.1	79
GP22	10/29/2025	0	1.1	20.2	78.7
GP23	1/24/2025	0	1.5	20.2	78.3
GP23	4/29/2025	0	1.8	20.2	78
GP23	9/5/2025	0	0.7	19.9	79.4
GP23	10/29/2025	0	1.6	19.7	78.7
GP24A	1/24/2025	0	0.1	21.3	78.6
GP24A	4/29/2025	0	1.2	20.9	77.9
GP24A	9/5/2025	0	0.4	20.8	78.8
GP24A	10/29/2025	0	0.2	20.9	78.9

Table 4-1
2025 Compliance Landfill Gas Monitoring Probe Data
Leichner Landfill

Probe	Date	Methane	Carbon Dioxide	Oxygen	Balance Gases
		Percent by Volume			
GP24B	1/24/2025	0	0.6	19.2	80.2
GP24B	4/29/2025	0	0.7	19.8	79.5
GP24B	9/5/2025	0	0.3	20.5	79.2
GP24B	10/29/2025	0	0.2	20.9	78.9
GP25A	1/24/2025	0	2.3	18.7	79
GP25A	4/29/2025	0	2.8	18.2	79
GP25A	9/5/2025	0	0.7	20.6	78.7
GP25A	10/29/2025	0	1.4	20.4	78.2
GP25B	1/24/2025	0	3	18.1	78.9
GP25B	4/29/2025	0	2.7	17.8	79.5
GP25B	9/5/2025	0	2.5	18.2	79.3
GP25B	10/29/2025	0	3.3	18.6	78.1
GP26	1/16/2025	0	0.5	20.9	78.6
GP26	4/29/2025	0	0.6	20.9	78.5
GP26	9/5/2025	0	0.5	20.8	78.7
GP26	10/29/2025	0	0.3	20.7	79
GP27	1/16/2025	0	0.8	20.5	78.7
GP27	4/29/2025	0	1.8	20.9	77.3
GP27	9/5/2025	0	0.6	20.4	79
GP27	10/29/2025	0	0.5	20.8	78.7
GP28	1/16/2025	0	4.8	13	82.2
GP28	4/29/2025	0.1	5	15.8	79.1
GP28	9/5/2025	0	4.2	18.3	77.5
GP28	10/31/2025	0.1	4	16.8	79.1
GP29	1/16/2025	0	7.8	5.6	86.6
GP29	4/28/2025	0	7.4	5.6	87
GP29	9/5/2025	0	4.6	10	85.4
GP29	10/31/2025	0	7	10.2	82.8
GP30A	1/24/2025	0	3.3	15.9	80.8
GP30A	4/28/2025	0	4.8	14.2	81
GP30A	9/5/2025	0	5.4	13.2	81.4
GP30A	10/31/2025	0	5.1	14	80.9
GP30B	1/24/2025	0	3.2	16.1	80.7
GP30B	4/28/2025	0	4.3	14.4	81.3
GP30B	9/5/2025	0	5.8	13	81.2
GP30B	10/31/2025	0	4.8	15.3	79.9

Table 4-1
2025 Compliance Landfill Gas Monitoring Probe Data
Leichner Landfill

Probe	Date	Methane	Carbon Dioxide	Oxygen	Balance Gases
		Percent by Volume			
GP32	1/24/2025	0	2.5	17.7	79.8
GP32	4/29/2025	0	2.3	18.1	79.6
GP32	9/5/2025	0	2.4	19	78.6
GP32	10/29/2025	0	2.7	18.8	78.5
GP33	1/24/2025	0	3.2	15.7	81.1
GP33	4/29/2025	0	3	14.6	82.4
GP33	9/5/2025	0	4.2	16.8	79
GP33	10/29/2025	0	2.7	17.6	79.7
GP34	1/24/2025	0	5.2	10.5	84.3
GP34	4/29/2025	0	6.4	11.3	82.3
GP34	9/5/2025	0	5.4	14.2	80.4
GP34	10/29/2025	0	5.1	16	78.9
GP35	1/24/2025	0	4	10.9	85.1
GP35	4/29/2025	0	7.7	8.2	84.1
GP35	9/5/2025	0	2.7	17.4	79.9
GP35	10/29/2025	0	2.9	18.4	78.7
GP36	1/24/2025	0	2.5	18.2	79.3
GP36	4/29/2025	0	1.8	19.5	78.7
GP36	9/5/2025	0	1.1	20.6	78.3
GP36	10/29/2025	0	1.3	20.4	78.3
GP37	1/24/2025	0	3.6	17.2	79.2
GP37	4/29/2025	0	3	18.3	78.7
GP37	9/5/2025	0	1.7	20.1	78.2
GP37	10/29/2025	0	2.1	19.5	78.4
GP38	1/24/2025	0	3.1	15.2	81.7
GP38	4/29/2025	0	4.3	14.2	81.5
GP38	9/5/2025	0	0.7	19.9	79.4
GP38	10/29/2025	0	1.2	20	78.8
GP39	1/16/2025	0	15.2	11.2	73.6
GP39	4/29/2025	0	7.9	16.5	75.6
GP39	9/5/2025	0	4.4	14.1	81.5
GP39	10/31/2025	0	12.8	7.6	79.6
GP40	1/24/2025	48.2	18.2	0.5	33.1
GP40	4/29/2025	39.2	15.9	0.1	44.8
GP40	9/5/2025	31.2	13.3	4	51.5
GP40	10/29/2025	21.5	11.7	8.7	58.1

Table 4-1
2025 Compliance Landfill Gas Monitoring Probe Data
Leichner Landfill

Probe	Date	Methane	Carbon Dioxide	Oxygen	Balance Gases
		Percent by Volume			
GP41	1/24/2025	41.8	21.5	0.4	36.3
GP41	4/29/2025	32.8	20.4	0.2	46.6
GP41	9/5/2025	20.1	18.8	2	59.1
GP41	10/29/2025	7.5	7.3	13.2	72
GP42	1/24/2025	0.4	4.2	15.9	79.5
GP42	4/29/2025	0	2.9	14.9	82.2
GP42	9/5/2025	0.2	4.4	17.9	77.5
GP42	10/29/2025	0	1.4	19	79.6

APPENDIX A

2025 Field Sampling Data Sheets (FSDSs)

First Quarter (March) 2025 FSDSs

Field Calibration Log
SCS Engineers

Equipment:			Serial Number:		Field Staff:			
YSI Pro Quatro					S. Campbell			
Location/ Project Number	Date	Time	Temperature (°C)	Dissolved Oxygen (mg/L)	pH 4.0 Buffer (S.U.)	pH 7.0 Buffer (S.U.)	Conductivity 1413 µS/cm standard (µS/cm)	ORP 220 mV standard (mV)
04225030.13	03/18	0820	16.8	9.94	4.0	7.0	1413	220.0
	03/19	0900	17.6	9.62	4.0	7.0	1413	220.0
	03/20	1145	10.3	11.17	4.0	7.0	1413	220.0

Notes: 03/18 = 767.1 mm Hg
03/19 = 761.2 mmHg
03/20 = 761.1 mmHg

Field Calibration Log
SCS Engineers

Equipment:			Serial Number:		Field Staff:			
YSI Pro Plus			17J102717		TAndrews			
Location/ Project Number	Date	Time	Temperature (°C)	Dissolved Oxygen (mg/L)	pH 4.0 Buffer (S.U.)	pH 7.0 Buffer (S.U.)	Conductivity 1413 µS/cm standard (µS/cm)	ORP 220 mV standard (mV)
04225030.13	3/26/25	720	18.8°C	9.77	4.0	7.0	1413µS/cm	220mV

Notes:

Leichner Landfill
Groundwater Elevation Survey

Project #: 042250030.13

Sampler: E. Pilar

Quarter: (1) 2 3 4

Date: 3/18/2025

Monitoring Point Designation	Reference Elevation (ft. msl)	DTB (ft. btoc)	DTW (ft. btoc)	Time	Comments
Monitoring Wells					
MW-1 N	216.58	15.00	—	—	Decommissioned Dry @
MW-1 S	216.13	44.50	—	—	Decommissioned
MW-1 E	216.45	29.05	—	—	Decommissioned Dry @
MW-NE	219.83	50.34	13.44	17:07	
LB-R2	222.27	77.36	43.55	11:20	
LB-1S	210.12	45.00	31.45	13:45	new pump installed
LB-1D	209.74	137.45	34.20	13:41	new pump installed
LB-3S	218.25	52.50	36.54	17:40	new pump installed
LB-3D	219.29	117.28	37.51	17:32	new pump installed
LB-5S	206.89	30.32	15.40	12:39	
LB-5C	206.70	74.71	31.53	12:45	
LB-5D	207.56	122.40	35.99	12:50	
LB-6S	202.80	39.07	25.31	9:25	
LB-9SR2			36.72	16:25	03/19/25
LB-10SR	204.04	42.35	29.16	14:30	new pump installed
LB-10CR	203.05	71.95	28.11	14:20	
LB-10DR	203.36	121.10	41.11	14:25	new pump installed
LB-13I	202.36	55.03	26.08	10:14	new pump installed
LB-13C	202.68	66.00	26.49	10:18	
LB-13D	202.96	88.88	26.71	10:24	new pump installed
LB-17S	208.18	34.38	29.32	11:10	
LB-17I	213.14	51.95	34.37	10:55	
LB-17C	206.55	72.35	28.16	11:05	
LB-17D	213.17	100.91	35.48	11:00	new pump installed
LB-20S	221.22	61.50	38.18	14:40	new pump installed
LB-21S	223.35	54.24	35.63	12:11	
LB-21C	223.32	79.10	36.10	12:13	
LB-21D	223.63	110.73	38.95	12:06	
LB-22SR			21.88	11:56	
LB-23S	229.19	45.40	30.66	11:51	
LB-24S	235.13	54.16	38.49	11:43	
LB-26I	200.22	58.30	23.39	10:04	new pump installed
LB-26D	200.75	101.78	23.11	9:59	new pump installed
LB-27I	205.35	57.15	29.37	7:58	new pump installed
LB-27D	204.65	115.10	36.10	10:30	new pump installed

Notes: Cloudy 38°F
Probe deconed between readings

Landfill Visual Inspection Program

	Yes	No
Are there any surface water impoundment's or erosion from heavy surface water runoff?		X
Are any monitoring wells or piezometers not clearly identified?		X
Are there any area's of distressed vegetation or unexplained animal remains?		X
Are there any areas of stained or tinted soils?		X
Is liquid seeping out of the slopes of the waste unit?		X
Are there any abnormal odors or observable vapors?		X
Are any of the monitoring wells damaged or unsecured?		X
Are there any abnormal conditions that are of concern to the Landfill operation?		X

Landfill : Leichner
Inspector : E. Pilar
Date : 3/18/25
Reason for inspection
(1st) 2nd, 3rd, or 4th groundwater monitoring event
Other

Notes: _____

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-1D

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032625-04-1D

DUP ID: NA

WIND FROM:	N	NE	(E)	SE	S	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	(SUNNY)		CLOUDY		RAIN			?	**TEMPERATURE:**	(°F) 60. °C	

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
3/26/25	9:42	137.45	—	33.67	—	103.78	X 1	16.92
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" =	0.041	(2") =	0.163	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/26/25	10:00	AF	3 (40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:		250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/26/25	10:00	AF	1 250, 500, 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:		250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:		250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:		125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/26/25	10:00	AF	1 (125), 250, 500	(HNO$_3$)	(YES)	(YES)		✓
	/ /	:		250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: 9:43 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	F(945)	0.00	7.17	30.4	239.2	12.2	33.65	7.15	clear/colorless
1	F(948)	0.20	7.10	30.6	237.1	12.1	33.67	7.09	clear/colorless
2	F(951)	0.40	7.11	31.5	236.5	12.1	33.67	7.53	clear/colorless
3	F(954)	0.60	7.11	32.0	236.4	12.1	33.67	7.70	clear/colorless
4	F(957)	0.80	7.11	32.2	236.6	12.1	33.67	7.75	clear/colorless
5	F(1000)	1.00	7.11	32.6	236.7	12.1	33.67	7.71	clear/colorless
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method: 20/10/60 → 200 mL/pulse → 400 mL/min

SAMPLER: T Andrews (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-18
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032625-03-18
DUP ID: NA

WIND FROM:	N	NE	(E)	SE	S	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	(SUNNY)		CLOUDY		RAIN			?	**TEMPERATURE:**	(°F) 60.	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW	DTB-DTW		Volume (gal)
3/26/25	9:15	45.00	—	31.16	—	13.84	X 1	2.26
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" = 0.041	(2" = 0.163)	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/26/25	9:35	AF	3	(40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/26/25	9:35	AF	1	250, 500, 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/26/25	9:35	AF	1	(125, 250, 500)	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: 9:17 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp	°C	DTW	Diss O_2 (mg/l)	Water Quality
0	F (919)	0.00	6.31	37.4	349.0	12.4		31.18	6.06	clear/colorless
1	F (922)	0.20	6.74	37.1	366.3	12.4		31.16	4.89	clear/colorless
2	F (925)	0.40	6.84	36.3	363.0	12.5		31.16	4.56	clear/colorless
3	F (928)	0.60	6.85	36.2	361.3	12.4		31.16	4.58	clear/colorless
4	F (931)	0.80	6.84	36.2	360.9	12.4		31.16	4.52	clear/colorless
5	F (934)	1.0	6.85	36.3	360.1	12.4		31.16	4.51	clear/colorless
6			.			.		.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method: 20/10/20 → 200 mL/pulse → 400 mL/min

SAMPLER: T And Rews (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-3S

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032025-03-3S

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN		?		**TEMPERATURE:**	°F 49 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
03/20/25	13:22	52.55	.	36.43	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" =	0.041	2" =	0.163	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/20/25	13:40	AF	3	40 ml	HCl	~~YES~~	NO		
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/20/25	13:40	AF	1	250, 500, 1L	None	~~YES~~	NO	NA	
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	03/20/25	13:40	AF	1	125, 250, 500	HNO_3	YES	YES		
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 — Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [✓]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO_3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 13:25 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	AF(1326)	0.00	5.42	104.9	253.9	11.7	36.43	7.45	c/c
1	AF(1330)	0.5	6.16	75.7	261.4	11.9	36.45	5.86	c/c
2	AF(1333)	0.75	6.21	77.8	261.5	12.0	36.45	5.83	c/c
3	AF(1336)	1.0	6.11	78.3	261.4	11.9	36.45	5.81	c/c
4		.	.			.	.	.	
5		.	.			.	.	.	
6		.	.		.	.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method: 25psi ~400 mL/min

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-3D

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032025-01-3D

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN		?		**TEMPERATURE:**	°F 49.	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
03/20/25	12:15	117.28	.	37.43	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" =	0.041	2" =	0.163	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/20/25	12:36	AF	3	40 ml	HCl	YES	NO		
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/20/25	12:36	AF	1	250, 500, 1L	None	YES	NO	NA	
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	03/20/25	12:36	AF	1	125, 250, 500	HNO_3	YES	YES		
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: : Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A(1219)	0.00	5.72	156.5	256.8	11.9	37.53	2.98	c/c
1	A(1224)	0.75	5.85	139.3	256.9	11.9	37.53	5.07	c/c
2	A(1227)	1.0	6.01	130.8	256.9	11.9	37.55	5.06	c/c
3	A(1230)	1.25	6.03	126.2	256.8	11.9	37.55	5.04	c/c
4	A(1233)	1.50	6.07	120.3	256.7	11.9	37.55	5.06	c/c
5		.	.			.	.	.	
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method: 8/7/40 psi ~ 300 mL/min

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** DUP 3

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032025-02-DUP3

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN		?		**TEMPERATURE:**	°F 49.	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
/ /	:	.	.	.	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" =	2" =	3" =	4" =	6" =	10" =	12" =
	0.041	0.163	0.367	0.653	1.469	4.080	5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other = Grab

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/20/25	12:45	AG	3	40 ml HCl	YES	NO		
Amber Glass	/ /	:			250, 500, 1L (None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/20/25	12:45	AG	1	250, 500, 1L None	YES	NO	NA	
Yellow Poly	/ /	:			250, 500, 1L H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500 HNO_3	YES	NO		
Red Diss. Poly	03/20/25	12:45	AG	1	125, 250, 500 HNO_3	YES	YES		
	/ /	:			250, 500, 1L	YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO_3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: : Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	(G) 1245	0.00	—	—	—	—	—	—	—
1		.	.			.	.	.	
2		.	.			.	.	.	
3		.	.			.	.	.	
4		.	.			.	.	.	
5		.	.			.	.	.	
6		.	.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Collected at: LB-3D

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-5D

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031825-05-5D

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN		?		TEMPERATURE:	°F 49 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
03/18/25	15:37	122.40	.	35.88	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" =	0.041	2" =	0.163	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/18/25	16:12	A	3	40 m	(HCl)	(YES)	NO		
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/18/25	16:12	A	1	250, (500), 1L	(None)	(YES)	NO	NA	
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	03/18/25	16:12	A	1	(125), 250, 500	(HNO_3)	(YES)	(YES)		
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [✓]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO_3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 15:40 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A(1541)	0.00	6.41	123.8	301.2	12.4	35.94	2.45	C/C
1	A(1544)	0.25	6.66	105.5	305.6	12.6	35.94	0.71	C/C
2	A(1547)	0.5	6.74	89.7	305.7	12.6	35.94	0.47	C/C
3	A(1550)	0.75	6.77	83.5	305.8	12.6	35.92	0.44	C/C
4	A(1553)	1.0	6.77	67.0	305.0	12.3	35.93	0.56	C/C
5	~~A(1556)~~	1.25	6.79	64.4	305.2	12.4	35.93	0.55	C/C
6	A(1603)	1.40	6.78	60.7	305.0	12.5	35.93	0.35	C/C

1600 *

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

C/C = clear + colorless

*Swapped pump canister

Low Flow Purge Method: (11/9/65 psi) ~ 300 mL/min

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** FB

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031825-04-FB1

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY	CLOUDY	RAIN	?					TEMPERATURE:	53 °F / °C	

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
/ /	:	.	.	.			X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" = 0.041	2" = 0.163	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other = Grab

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/18/25	15 :30	G	3	40 ml	HCl	YES	NO		
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/18/25	15 :30	G	1	250, 500 1L	None	YES	NO	NA	
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/18/25	15 : 30	G	1	125, 250, 500	HNO_3	YES	YES		
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [√]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: : Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	G	0.00	—	—	—	—	—	—	—
1		.	.			.	.	.	
2		.	.			.	.	.	
3		.	.			.	.	.	
4		.	.			.	.	.	
5		.	.			.	.	.	
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Collected Near: LB-5D

SAMPLER: Estefania Pilar (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-5S

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031825-03-5S

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY	CLOUDY	RAIN	?					TEMPERATURE:	(F) 53 .	° C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW [Product Thickness]	DTB-DTW [Water Column]		[Water Column x Gal/ft] Volume (gal)
03/18/25	14:02	30.32	.	15.37	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" =	0.041	(2") =	0.163	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/18/25	14:~~00~~ 30	A	3	40 ml	(HCl)	(YES)	(NO)		
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/18/25	14:~~00~~ 30	A	1	250, 500, 1L	(None)	(YES)	(NO)	NA	
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	03/18/25	14:~~00~~ 30	A	1	(125), 250, 500	(HNO_3)	(YES)	(YES)		
	/ /	:30			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 14:03 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A(14 87)	0.00	8.12	80.4	158.9	12.5	15.35	9.60	C/C
1	A(1410)	0.25	7.30	93.4	166.8	12.4	15.35	7.71	C/C
2	A(1413)	0.50	7.08	98.4	170.2	12.4	15.35	7.21	C/C
3	A(1416)	0.75	6.91	100.9	172.5	12.4	15.35	6.85	C/C
4	A(1419)	1.0	6.69	103.6	173.5	12.5	15.34	6.70	C/C
5	A(1422)	1.25	6.61	110.6	174.4	12.4	15.34	6.60	C/C
6	A(1425)	1.50	6.64	112.2	174.7	12.4	15.34	6.52	C/C

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

C/C = clear + colorless

Low Flow Purge Method: (8/7/20 psi) ~400 ml/min

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS

15940 SW 72nd Avenue,
Portland, OR 97224

Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LR-65

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031825-01-65

DUP ID: NA

WIND FROM:	N	NE	E	SE	(S)	SW	W	NW	LIGHT	(MEDIUM)	HEAVY
WEATHER:	(SUNNY)		CLOUDY		RAIN		?		**TEMPERATURE:**	(°F) 47 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
03/18/25	09:13	39.02	.	25.31	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" = 0.041	(2") = 0.163	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	03/18/25	12:45	A	3	40 ml (HCl)	(YES)	(NO)		
Amber Glass	/ /	:			250, 500, 1L (None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/18/25	12:45	A	1	250, 500, 1L (None)	(YES)	(NO)	NA	
Yellow Poly	/ /	:			250, 500, 1L H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500 HNO_3	YES	NO		
Red Diss. Poly	03/18/25	12:45	A	1	(125), 250, 500 (HNO_3)	(YES)	(YES)		
	/ /	:			250, 500, 1L	YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 — Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [X]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 12:18

Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A(1219)	0.00	5.16	186.3	161.8	12.6	25.28	10.64	C/C
1	A(1221)	0.25	5.80	163.2	173.6	12.4	25.28	10.40	C/C
2	A(1227)	1.0	6.11	142.3	180.3	13.1	25.28	10.25	C/C
3	A(1230)	1.25	6.19	137.0	185.7	12.8	25.28	10.06	C/C
4	A(1233)	1.50	6.27	131.0	188.6	12.5	25.28	9.87	C/C
5	A(1236)	1.75	6.30	127.2	190.5	12.7	25.28	9.58	C/C
6	A(1239)	2.0	6.32	125.3	187.2	12.7	25.28	9.62	C/C
[Casing]	[Select A-G]	[Cumulative Totals]	6.32	123.8	187.0	[Circle units] 12.7	25.28	9.69	C/C [Clarity, Color]
	A(1242)	2.25	8/7/30 psi		= 400 mL/min				C/C = clear + colorless

Low Flow Purge Method:

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** DUP

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031825-02-DUP1

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN		?		**TEMPERATURE:**	°F 47 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW [Product Thickness]	DTB-DTW [Water Column]		[Water Column x Gal/ft] Volume (gal)
03/18/25	12:55	.	.	.	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" = 0.041	2" = 0.163	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other = Grab

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	03/18/25	12:55	AG	3	40 ml (HCl)	YES	NO		
Amber Glass	/ /	:			250, 500, 1L (None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/18/25	12:55	AG	1	250, 500, 1L None	YES	NO	NA	
Yellow Poly	/ /	:			250, 500, 1L H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500 HNO_3	YES	NO		
Red Diss. Poly	03/18/25	12:55	AG	1	125, 250, 500 HNO_3	YES	YES		
	/ /	:			250, 500, 1L	YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO_3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: : Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	G (1255)	0.00	.	—	—	—	—	—	
1		.	.			.	.	.	
2		.	.			.	.	.	
3		.	.			.	.	.	
4		.	.			.	.	.	
5		.	.			.	.	.	
6		.	.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Collected at: LB-65

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-10DR

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032625-02-10DR

DUP ID: NA

WIND FROM:	N	NE	(E)	SE	S	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	(SUNNY)		CLOUDY		RAIN			?	**TEMPERATURE:**	(°F) 55.	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product [Product Thickness]	DT-Water	DTP-DTW [Water Column]	DTB-DTW		Volume (gal) [Water Column x Gal/ft]
3/26/25	8:30	121.10	—	40.31	—	40.79	X 1	13.17
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163 | 1" = 0.041 | (2" = 0.163) | 3" = 0.367 | 4" = 0.653 | 6" = 1.469 | 10" = 4.080 | 12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	3/26/25	8:55	AF	3	(40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/26/25	8:55	AF	1	250, 500, 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/26/25	8:55	AF	1	(125), 250, 500	(HNO3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 — Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 8:35 — Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	F (837)	0.00	7.11	24.1	275.9	12.8	40.31	3.00	clear/colorless
1	F (846)	0.15	6.80	26.0	323.7	12.4	40.31	2.72	clear/colorless
2	F (843)	0.30	7.02	27.2	349.5	12.4	40.31	2.06	clear/colorless
3	F (846)	0.45	7.03	27.5	351.7	12.4	40.31	1.93	clear/colorless
4	F (849)	0.60	7.04	27.7	352.5	12.4	40.31	1.90	clear/colorless
5	F (852)	0.75	7.04	27.8	352.2	12.4	40.31	1.91	clear/colorless
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method: 20/10/150 → 150 mL/pulse → 300 mL/min

SAMPLER: T Andrews (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-10SR

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032625-01-10SP

DUP ID: NA

WIND FROM:	N	NE	(E)	SE	S	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	(SUNNY)	CLOUDY		RAIN		?			**TEMPERATURE:**	(°F) 55.	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product [Product Thickness]	DT-Water	DTP-DTW	DTB-DTW [Water Column]		Volume (gal) [Water Column x Gal/ft]
3/26/25	7:55	42.35	-	28.89	-	13.46	X 1	2.19
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" = 0.041	(2") = 0.163	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	√
VOA Glass	3/26/25	8:20	AF	3 (40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:		250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	3/26/25	8:20	AF	1 (250, 500) 1L	(None)	(YES)	NO	NA	✓
Yellow Poly	/ /	:		250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:		250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:		125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	3/26/25	8:20	AF	1 (125) 250, 500	~~HNO_3~~	(YES)	(YES)		✓
	/ /	:		250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO_3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: 8:03 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	F (805)	0.00	6.32	90.4	462.9	12.9	28.89	5.21	clear/colorless
1	F (808)	0.20	6.45	51.0	451.5	12.7	28.89	1.49	clear/colorless
2	F (811)	0.40	6.43	47.0	451.1	12.6	28.89	0.99	clear/colorless
3	F (814)	0.60	6.41	46.1	451.3	12.7	28.89	0.98	clear/colorless
4	F (817)	0.80	6.40	46.4	450.4	12.7	28.89	0.96	clear/colorless
5	F (820)	1.0	6.41	46.3	449.7	12.8	28.89	0.95	clear/colorless
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method: 20/10/20 ⇒ 200 mL/pulse ⇒ 400 mL/min

SAMPLER: T Andrews (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-13D
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031925-06-13D
DUP ID: NA

WIND FROM:	N	NE	E	(SE)	S	SW	W	NW	LIGHT ( )	MEDIUM ( ) HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN		?		**TEMPERATURE:**	(°F) 54 . °C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
03/19/25	14:55	88.84	.	26.65	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" =	0.041	(2") =	0.163	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/19/25	15:15	AF	3	(40 ml)	(HCl)	(YES)	(NO)		
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/19/25	15:15	AF	1	250, (500), 1L	(None)	(YES)	(NO)	NA	
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	03/19/25	15:15	AF	1	(125), 250, 500	(HNO_3)	(YES)	(YES)		
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type	BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
	VOA - Glass	(8260) (8011) OR [ ] WA [x]
	AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
	WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
	YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
	GREEN - Poly	(Cyanide)
	RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
	RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: 14:56 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A(1457)	0.00	6.60	52.6	232.0	11.9	26.64	6.41	C/C
1	A(1500)	0.75	6.50	53.5	231.9	11.9	26.64	6.21	C/C
2	A(1503)	1.0	6.52	54.0	231.8	12.0	26.64	5.82	C/C
3	A(1506)	1.25	6.58	54.4	231.7	12.0	26.63	5.91	C/C
4	A(1509)	1.50	6.59	54.6	231.7	12.0	26.63	5.90	C/C
5		.	.			.	.	.	
6		.	.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

(8/7/50psi 25psi) ~ 300 ml/min

Low Flow Purge Method:

ER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** FB2

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LR-031925-07-FB2

DUP ID: NA

WIND FROM:	N	NE	E	(SE)	S	SW	W	NW	LIGHT	(MEDIUM)	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN			?	**TEMPERATURE:**	°F 54 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW	[Water Column x Gal/ft] Volume (gal)
/ /	:	.	.	.	.	.	X 1 .
/ /	:	.	.	.	.	.	X 3 .

Gal/ft = (dia./2)² x 0.163	1" = 0.041	2" = 0.163	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other = Grab

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/19/25	15 : 26	G	3	40 ml	(HCl)	(YES)	NO		
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/19/25	15 : 26	G	1	250, 500, 1L	(None)	(YES)	NO	NA	
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	03/19/25	15 : 26	G	1	(125), 250, 500	(HNO_3)	(YES)	(YES)		
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [√]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO_3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: : Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	G (1526)	0.00	—	—	—	—	—	—	—
1		.	.			.	.	.	
2		.	.			.	.	.	
3		.	.			.	.	.	
4		.	.			.	.	.	
5		.	.			.	.	.	
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Collected Near: 13D

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-13I

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031925-08-13I

DUP ID: NA

WIND FROM:	N	NE	E	(SE)	S	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY	(CLOUDY)		RAIN			?		**TEMPERATURE:**	°F 54 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
03/19/25	:	54.98	.	26.00	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" = 0.041	(2" =) 0.163	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/19/25	16:20	AF	3 (40 ml)	(HCl)	(YES)	(NO)		
Amber Glass	/ /	:		250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/19/25	16:20	AF	1 250, (500), 1L	(None)	(YES)	(NO)	NA	
Yellow Poly	/ /	:		250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:		250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:		125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	03/19/25	16:20	AF	1 (125), 250, 500	(HNO_3)	(YES)	(YES)		
	/ /	:		250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [✓]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 16 : 03 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	A (1604)	0.00	6.36	71.5	276.9	12.3	26.0	2.26	C/C
1	A (1609)	0.5	6.61	65.2	276.1	12.2	26.0	1.77	C/C
2	A (1612)	0.65	6.66	61.4	276.1	12.2	26.0	1.67	C/C
3	A (1615)	0.75	6.67	58.6	276.4	12.2	26.03	1.65	C/C
4	A (1618)	0.85	6.65	56.3	276.5	12.2	26.03	1.61	C/C
5		.	.			.	.	.	
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method: (8/7/23 psi ~ 250 ml/min

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS

15940 SW 72nd Avenue,
Portland, OR 97224

Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** EB

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031925-09-EB1

DUP ID: NA

WIND FROM:	N	NE	E	(SE)	S	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN		?		**TEMPERATURE:** (°F) 54 . °C		

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
/ /	:	.	.	.	.	.	X 1	.
/ /	:	.	.	.	.	.	X 3	.

Gal/ft = (dia./2)² x 0.163	1" =	0.041	2" =	0.163	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other = Grab

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	03/19/25	16:35	AG	3	40 ml	HCl	YES	NO		
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/19/25	16:35	AG	1	250, 500, 1L	None	YES	NO	NA	
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	03/19/25	16:35	AG	1	125, 250, 500	HNO_3	YES	YES		
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: : Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	G (1635)	0.00	.			.	.	.	
1		.	.			.	.	.	
2		.	.			.	.	.	
3		.	.			.	.	.	
4		.	.			.	.	.	
5		.	.			.	.	.	
6		.	.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method: Taken near LB 13-I

SAMPLER: S. Campbell
(PRINTED NAME)

(SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-17I

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031925-04-17I

DUP ID: NA

WIND FROM:	N	NE	E	(SE)	S	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN		?		**TEMPERATURE:**	(F) 53.	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

[Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW	DTB-DTW		Volume (gal)
03/19/25	12:39	51.91	.	34.34	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = $(dia./2)^2 \times 0.163$	1" =	0.041	(2") =	0.163	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/19/25	13 : 05	A	3	40 ml	(HCl)	YES	NO		
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/19/25	13 : 06	A	1	250, 500, 1L	(None)	YES	NO	NA	
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	03/19/25	13 : 05	A	1	125, 250, 500	(HNO_3)	YES	YES		
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 — Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [√]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO_3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: : Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	A(1243)	0.00	7.02	65.3	249.5	14.2	34.32	2.03	c/c
1	A(1248)	0.50	6.82	25.4	259.2	14.2	34.32	0.34	c/c
2	A(1253)	0.65	6.75	11.0	267.5	14.0	34.32	0.29	c/c
3	A(1254)	0.75	6.82	-3.4	273.2	14.0	34.36	0.22	c/c
4	A(1257)	1.0	6.90	-16.5	279.6	14.0	34.36	0.20	c/c
5	A(1300)	1.2	6.94	-26.5	283.1	13.9	34.36	0.20	c/c
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

(8.5/6.5/30 psi) = 300 mL/min

Low Flow Purge Method:

c/c = Clear + colorless

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS

15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-17S

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031925-01-17S

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN		?		**TEMPERATURE:**	°F 43.	°C

[Circle appropriate units]

03/19/25

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
~~03/18/25~~	10:00	34.38	.	29.13	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" =	0.041	2" =	0.163	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	~~03/18/25~~	10:40	A	3	~~40~~ ml	~~HCl~~	~~YES~~	~~NO~~		
Amber Glass	03/19/25	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	~~03/18/25~~	10:40	A	1	250, 500, 1L	None	~~YES~~	~~NO~~	NA	
Yellow Poly	03/19/25	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	~~03/18/25~~	10:40	A	1	125, 250, 500	~~HNO_3~~	~~YES~~	~~YES~~		
	03/19/25	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 — Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO_3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: 10:17 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	A(1017)	0.00	5.52	168.2	308.7	11.7	29.18	5.45	C/C
1	A(1027)	0.30	5.85	141.6	338.6	12.4	29.15	4.57	C/C
2	A(1031)	0.50	5.93	132.1	340.7	12.7	29.16	4.53	C/C
3	A(1034)	0.65	5.95	129.1	341.4	12.6	29.16	4.53	C/C
4	A(1037)	0.80	5.98	123.2	341.1	12.7	29.16	4.58	C/C
5		.	.			.	.	.	
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method: (20/10/20 psi) = ~ 200 ml/min clear/colorless

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** DUP

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031925-02-DUP2

DUP ID: NA

WIND FROM:	N	NE	E	(SE)	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN		?		**TEMPERATURE:**	°F 43 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
03/19/25	:	.	.	.	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" = 0.041	2" = 0.163	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/19/25	10 : 55	AG	3	40 ml	HCl	YES	NO		
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/19/25	10 : 55	AG	1	250, 500, 1L	None	YES	NO	NA	
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	03/19/25	10 : 55	AG	1	125, 250, 500	HNO_3	YES	YES		
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 — Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: :

Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	G(1055)	0.00	.			.	.	.	
1		.	.			.	.	.	
2		.	.			.	.	.	
3		.	.			.	.	.	
4		.	.			.	.	.	
5		.	.			.	.	.	
6		.	.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method: Taken near LB-17S

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-17D

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031925-03-17D

DUP ID: NA

WIND FROM:	N	NE	E	(SE)	S	SW	W	NW	LIGHT	(MEDIUM)	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN		?		**TEMPERATURE:**	(°F) 43.	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW [Product Thickness]	DTB-DTW [Water Column]		[Water Column x Gal/ft] Volume (gal)
03/19/25	11:54	100.91	.	35.33	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" =	0.041	(2") =	0.163	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875

§ METHODS: ((A)) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/19/25	12:10	A	3	(40 ml)	(HCl)	(YES)	(NO)		
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/19/25	12:10	A	1	250, (500) 1L	(None)	(YES)	(NO)	NA	
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	03/19/25	12:10	A	1	(125), 250, 500	(HNO_3)	(YES)	(YES)		
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 — Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [√]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 11:55 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp	DTW	Diss O_2 (mg/l)	Water Quality
0	A(1156)	0.00	6.48	88.1	269.2	13.4	35.32	1.08	C/C
1	A(1201)	0.5	6.70	67.1	285.0	13.1	35.32	0.41	C/C
2	A(1204)	1.25	6.73	60.3	285.0	13.1	35.32	0.39	C/C
3	A(1207)	1.50	6.74	54.5	285.1	13.1	35.36	0.37	C/C
4		.	.			.	.	.	
5		.	.			.	.	.	
6		.	.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method: (9/6/60psi) = 300 mL/min C/C = clear + colorless

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS

15940 SW 72nd Avenue,
Portland, OR 97224

Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB - 20S

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032025-04-20S

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN			?	**TEMPERATURE:**	(F) 49 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW [Product Thickness]	DTB-DTW [Water Column]		[Water Column x Gal/ft] Volume (gal)
03/20/25	14:33	61.50	.	38.09	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" = 0.041	2" = 0.163	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/20/25	15:10	AF	3	40 ml / HCl	YES	NO		
Amber Glass	/ /	:			250, 500, 1L (None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/20/25	15:10	AF	1	250, 500, 1L / None	YES	NO	NA	
Yellow Poly	/ /	:			250, 500, 1L H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500 HNO_3	YES	NO		
Red Diss. Poly	03/20/25	15:10	AF	1	125, 250, 500 / HNO_3	YES	YES		
	/ /	:			250, 500, 1L	YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO_3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: : Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	A(1437)	0.00	5.59	88.6	211.5	11.4	38.09	6.10	cloudy / beige
1	A(1450)	0.7	6.12	80.8	285.4	11.4	38.11	0.80	cloudy / beige
2	A(1453)	0.8	6.25	76.4	279.0	11.4	38.11	0.85	cloudy / beige
3	A(1456)	0.9	6.41	45.5	267.1	11.5	38.14	1.36	cloudy / beige
4	A(1459)	1.0	6.42	50.6	263.6	11.5	38.14	1.47	cloudy / beige
5	A(1502)	1.1	6.45	53.5	262.1	11.5	38.14	1.56	cloudy / beige
6	A(1505)	1.2	6.47	54.6	262.2	11.5	38.14	1.54	cloudy / beige

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method: 9/6/25 psi

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS

15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** FB3

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032025-05-FB3

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN		?		**TEMPERATURE:**	° F .	° C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW [Product Thickness]	DTB-DTW [Water Column]		[Water Column x Gal/ft] Volume (gal)
/ /	:	.	.	.	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" = 0.041	2" = 0.163	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other = Grab

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/20/25	15:25	A G	3	(40 ml)	(HCl)	YES	NO		
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/20/25	15:25	A G	1	250, (500) 1L	(None)	YES	NO	NA	
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	03/20/25	15:25	A G	1	(125) 250, 500	(HNO_3)	(YES)	(YES)		
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 — Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: :

Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	G (1525)	0.00	.			.	.	.	
1		.	.			.	.	.	
2		.	.			.	.	.	
3		.	.			.	.	.	
4		.	.			.	.	.	
5		.	.			.	.	.	
6		.	.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method: Taken Near LB-205

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-26I

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032625-06-26I

DUP ID: NA

WIND FROM:	N	NE	(E)	SE	S	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	(SUNNY)		CLOUDY		RAIN		?		**TEMPERATURE:**	(°F) 68 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft) [Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW	DTB-DTW		Volume (gal)
03/26/25	11 :24	54.30	.	23.08	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163	1" =	0.041	(2") =	0.163	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/26/25	11 :45	XF	3	40 (ml)	(HCl)	(YES)	(NO)		
Amber Glass	/ /	:			250, 500, 1L (None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/26/25	11 :45	XF	1	250, (500), 1L (None)	(YES)	(NO)	NA	
Yellow Poly	/ /	:			250, 500, 1L H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500 HNO_3	YES	NO		
Red Diss. Poly	03/26/25	11 :45	XF	1	(125) 250, 500 (HNO3)	(YES)	(YES)		
	/ /	:			250, 500, 1L	YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [X]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: 11 : 25 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	F(1128)	0.00	7.13	49.7	244.2	12.7	23.1	7.26	C/C
1	F(1130)	0.5	6.40	50.0	253.4	12.5	23.1	5.62	C/C
2	F(1133)	0.65	6.67	48.4	258.1	13.1	23.1	6.00	C/C
3	F(1136)	0.80	6.89	47.3	261.3	13.2	23.1	5.81	C/C
4	F(1139)	1.0	6.86	46.0	256.5	13.1	23.1	5.95	C/C
5	F(1142)	1.15	6.87	45.6	257.0	13.1	23.1	5.94	C/C
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

C/C = clear + colorless

Low Flow Purge Method: (9.5/5.5/30psi) ~ 300 mL/min

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-26D
SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032625-05-26D
DUP ID: NA

WIND FROM:	N	NE	(E)	SE	S	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	(SUNNY)		CLOUDY		RAIN		?		**TEMPERATURE:**	(°F) 68 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
03/26/25	10:50	101.20	.	22.80	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" =	0.041	(2") =	0.163	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/26/25	11:15	AF	3	40 ml	(HCl)	(YES)	(NO)		
Amber Glass	/ /	:			250, 500, 1L (None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/26/25	11:15	AF	1	250, (500) 1L (None)	(YES)	(NO)	NA	
Yellow Poly	/ /	:			250, 500, 1L H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500 HNO_3	YES	NO		
Red Diss. Poly	03/26/25	11:15	AF	1	(125), 250, 500 (HNO$_3$)	(YES)	(YES)		
	/ /	:			250, 500, 1L	YES			
White no acid, Yellow H2SO4, Red HNO3				5	Total Bottles (include duplicate count):				

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: 10:56 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	F(1056)	0.00	7.10	47.2	242.1	12.9	22.81	2.95	C/C
1	F(1100)	0.5	6.74	46.5	254.3	12.7	22.81	4.20	C/C
2	F(1103)	0.75	6.81	45.3	254.5	12.7	22.81	4.92	C/C
3	F(1106)	1.0	6.83	44.7	254.7	12.6	22.81	5.14	C/C
4	F(1109)	1.25	6.84	44.2	254.5	12.7	22.81	5.15	C/C
5		.	.			.	.	.	
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

C/C = clear & colorless

Low Flow Purge Method: (8/7/40psi) ~ 400 mL/min

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS

15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-27I

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-032625-07-27I

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN		?		**TEMPERATURE:**	(F) 71 .	° C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

[Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW	DTB-DTW		Volume (gal)
03/26/25	12:02	57.15	.	29.11	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" =	0.041	2" =	0.163	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875

§ METHODS (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/26/25	12:20	AF	3	40 ml (HCl)	YES	NO		
Amber Glass	/ /	:			250, 500, 1L (None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/26/25	12:20	AF	1	250, 500, 1L None	YES	NO	NA	
Yellow Poly	/ /	:			250, 500, 1L H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500 HNO_3	YES	NO		
Red Diss. Poly	03/26/25	12:20	AF	1	125, 250, 500 HNO_3	YES	YES		
	/ /	:			250, 500, 1L	YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 — Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)	
VOA - Glass	(8260) (8011)	OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX)	OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO_3)	
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)	
GREEN - Poly	(Cyanide)	
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)	
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)	

WATER QUALITY DATA

Purge Start Time: 12 : 03 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	F(1204)	0.00	7.31	60.4	357.2	12.9	29.13	1.46	C/C
1	F(1207)	0.5	6.94	58.9	554.6	12.8	29.14	0.48	C/C
2	F(1210)	0.75	6.95	56.4	559.1	12.8	29.13	0.44	C/C
3	F(1213)	1.0	6.94	54.0	564.6	12.8	29.13	0.44	C/C
4	F(1216)	1.25	6.93	52.1	566.9	12.7	29.13	0.48	C/C
5		.	.			.	.	.	
6		.	.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

C/C = Clear + Colorless

Low Flow Purge Method: (8/7/25psi) ~ 400 mL/min

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

conductance check 1345 - BBC Recalibrated

SCS ENGINEERS

15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-270

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-031925-05-27D

DUP ID: NA

WIND FROM:	N	NE	E	(SE)	S	SW	W	NW	(LIGHT)	MEDIUM	HEAVY
WEATHER:	SUNNY		(CLOUDY)		RAIN		?		**TEMPERATURE:**	054 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
03/19/25	13:45	115.10	.	37.54	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" =	0.041	(2") =	0.163	3" =	0.367	4" =	0.653	6" =	1.469	10" =	4.080	12" =	5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample) Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	√
VOA Glass	03/19/25	14:22	AF	3	(40 ml)	(YES)	NO		
Amber Glass	/ /	:			250, 500, 1L (None) (HCl) (H_2SO_4)	YES	NO		
White Poly	03/19/25	14:22	AF	1	250, (500), 1L (None)	(YES)	(NO)	NA	
Yellow Poly	/ /	:			250, 500, 1L H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500 HNO_3	YES	NO		
Red Diss. Poly	03/19/25	14:22	AF	1	(125), 250, 500 (HNO_3)	(YES)	(YES)		
	/ /	:			250, 500, 1L	YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA Purge Start Time: 13:46 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A(1354)	0.00	6.84	52.7	~~272.3~~	11.3	37.58	5.04	C/C
1	A(1358)	0.30	6.62	45.4	285.5 283.4	12.2	39.16	3.91	C/C
2	A(1401)	0.75	6.69	43.8	283.2	12.2	39.52	3.62	C/C
3	A(1404)	1.0	6.75	42.5	283.6	12.2	40.31	3.68	C/C
4	A(1407)	1.25	6.78	41.0	283.9	12.0	40.51	3.66	C/C
5	A(1410)	1.50	6.80	40.6	283.5	12.1	40.71	3.60	C/C
6	A(1413)	1.75	6.82	39.5	283.4	12.1	40.76	3.58	C/C

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method: (20/10/~~60~~ 50 psi) ~ 300mL/min C/C = clear + colorless

SAMPLER: S. Campbell (PRINTED NAME) (SIGNATURE)

CHAIN OF CUSTODY

SR# _____

1317 South 13th Ave., Kelso, WA 98626 | +1 360 577 7222 | +1 800 695 7222 | +1 360 636 1068 (fax)

PAGE _____ OF _____ COC# _____

PROJECT NAME	Leichner Landfill
PROJECT NUMBER	04225030.13
PROJECT MANAGER	Barb Lary
COMPANY NAME	SCS engineers
ADDRESS	15940 SW 72nd Ave
CITY/STATE/ZIP	Portland OR 97224
E-MAIL ADDRESS	Blary@scsengineers.com
PHONE #	971-284-1297 FAX #
SAMPLER'S SIGNATURE	

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625☐ 8270☐ 8270LL☐ SIM PAH☐	Volatile Organics 624☐ 8260☐	Hydrocarbons Gas☐ Diesel☐ (*see below) Oil☐ Oil & Grease/TRPH 1664 HEM☐ 1664 SGT☐	PCBs Aroclors☐ Congeners☐	Pesticides/Herbicides 608☐ 8081☐ 8141☐ 8151☐	Chlorophenolics Tri☐ Tetra☐ PCP☐	Metals, Total or Dissolved (See List below)	Cyanide☐ Hex-Chrom☐	(circle) pH, Cond., Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, TSS, TDS, Turb.	(circle) NH_3-N, COD, TKN, TOC, DOC, NO_2+NO_3, T-Phos	TOX 9020☐ AOX 1650☐ 506☐	Alkalinity ☐ CO_3☐ HCO_3☐	Dioxins/Furans 1613☐ 8290☐	Dissolved Gases CO_2☐ RSK 175☐ Methane☐ Ethane☐ Ethene☐	REMARKS
LB-031825-01-GS	03/18/25	1245		W	5		X					X		X						NO3
LB-031825-02-DUP	03/18/25	1255		W	5		X					X		X						Short
LB-031825-03-SS	03/18/25	1430		W	5		X					X		X						Hold
LB-031825-04-FB	03/18/25	1530		W	5		X					X		X						
LB-031825-05-SD	03/18/25	1612		W	5		X					X		X						
TB1	03/18/25	0800		W	2		X													

REPORT REQUIREMENTS

___ I. Routine Report: Method Blank, Surrogate, as required

___ II. Report Dup., MS, MSD as required

___ III. CLP Like Summary (no raw data)

___ IV. Data Validation Report

___ V. EDD

INVOICE INFORMATION

P.O. # _____

Bill To: _____

TURNAROUND REQUIREMENTS

____ 24 hr. ____ 48 hr.

____ 5 day

____ Standard (15 working days)

____ Provide FAX Results

_____ Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu (Fe) Pb Mg (Mn) Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

Container Supply Number

142705

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature 03/19/25 0630 Date/Time	Signature Date/Time	Signature Date/Time	Signature Date/Time
Printed Name Firm	Printed Name Firm	Printed Name Firm	Printed Name Firm

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ALS Environmental
1317 South 13th Ave
Kelso, WA 98626
(Tel) 360.577.7222
(Fax) 360.636.1068

Chain of Custody Form

Page 1 of 1

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Leichner Landfill	A	Volatile organics (8260)
Work Order		Project Number	04225030.13	B	Dissolved metals (Fe, Mn) Field Filtered
Company Name	SCS Engineers	Bill To Company	~~Eurofins Environmental Testing~~	C	Cl, TDS, NO3
Send Report To	Eurofins Environmental Testing	Invoice Attn.	Janice Collins	D	
Address	15940 SW 72nd Ave	Address	~~4955 Yarrow Street Suite 100~~	E	
				F	
City/State/Zip	Portland OR 97224	City/State/Zip	~~Arvada CO 80002~~	G	
Phone	971-284-1297	Phone	~~303-736-0124~~	H	
Fax		Fax		I	
e-Mail Address	Blary@scsengineers.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	Notes	Hold
1	LB-031925-01-17S	03/19/25	1040	W	1,2	5	X	X	X				NO3 Short Hold	
2	LB-031925-02-DUP2	03/19/25	1055	W	1,2	5	X	X	X					
3	LB-031925-03-17D	03/19/25	1210	W	1,2	5	X	X	X					
4	LB-031925-04-17I	03/19/25	1305	W	1,2	5	X	X	X					
5	LB-031925-05-27D	03/19/25	1422	W	1,2	5	X	X	X					
6	LB-031925-06-13D	03/19/25	1515	W	1,2	5	X	X	X					
7	LB-031925-07-FB2	03/19/25	1526	W	1,2	5	X	X	X					
8	LB-031925-08-13I	03/19/25	1620	W	1,2	5	X	X	X					
9	LB-031925-09-FB1	03/19/25	1635	W	1,2	5	X	X	X					
10	TB1	3/19/25	0700	W	1,2	2	X						Send Results and Invoice to Janice Collins/ Eurofins Environmental Testing Denver Janice.Collins@ET.EurofinsUS.com	

Sampler(s): Please Print & Sign

Shipment Method: Courier

Required Turnaround Time: (Check Box) ☐ 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☑ Other _____

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
[signature]	3/20/25 ~~3/19/25~~ SC	0700	[signature]	3/20/25 ~~3/19/25~~	3/20/25 ~~3/19/25~~ 0700	
Relinquished by: [signature]	Date: 3/20/25	Time: 0956 ~~0700~~	Received by (Laboratory): M. Mulligan	Date: 3/20/25	Time: 0956	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			

ALS Cooler ID	Cooler Temp

QC Package: (Check Box Below)

☐ Level II: Standard QC ☐ Level III: Raw Data
☐ TRRP LRC ☐ TRRP Level IV
☐ Level IV: SW846 Methods/CLP like
☐ Other: _____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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(Fax) 360.636.1068

Chain of Custody Form

Page 1 of 1

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name		A	Volatile organics (8260)
Work Order		Project Number		B	Dissolved metals (Fe, Mn) Field Filtered
Company Name	SCS Engineers	Bill To Company	Eurofins Environmental Testing	C	Cl, TDS, NO3
Send Report To	Eurofins Environmental Testing	Invoice Attn.	Janice Collins	D	
Address	15940 SW 72nd Ave	Address	4955 Yarrow Street Suite 100	E	
				F	
City/State/Zip	Portland OR 97224	City/State/Zip	Arvada CO 80002	G	
Phone	971-284-1297	Phone	303-736-0124	H	
Fax		Fax		I	
e-Mail Address				J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	Notes	Hold
1	LB-032025-01-3D	03/20/25	1236	W	1,2	5	X	X	X				NO3 Short hold	
2	LB-032025-02-DUP3	03/20/25	1245	W	1,2	5	X	X	X					
3	LB-032025-03-3S	03/20/25	1340	W	1,2	5	X	X	X					
4	LB-032025-04-20S	03/20/25	1510	W	1,2	5	X	X	X					
5	LB-032025-05-FB3	03/20/25	1525	W	1,2	5	X	X	X				Send Results and Invoice to Janice Collins/ Eurofins Environmental Testing Denver Janice.Collins@ET.EurofinsUS.com	
6	TB1	03/20/25	0700	W	1	2	X							
7														
8														
9														
10														

Sampler(s): Please Print & Sign	Shipment Method:	Required Turnaround Time: (Check Box)	Results Due Date:
S Campbell	Courier	☐ 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☑ Other	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
	03/21/25	0900				
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			

ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)	
		☐ Level II: Standard QC	☐ Level III: Raw Data
		☐ TRRP LRC	☐ TRRP Level IV
		☐ Level IV: SW846 Methods/CLP like	
		☐ Other:	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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(Fax) 360.636.1068

Chain of Custody Form

Page 1 of 1

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name		A	Volatile organics (8260D)
Work Order		Project Number	04225030.13	B	Dissolved Metals (Fe, Mn) Field Filtered
Company Name	SCS Engineers	Bill To Company	Eurofins Environmental Testing	C	Cl, TDS, NO_3
Send Report To	Eurofins Environmental Testing	Invoice Attn.	Janice Collins	D	
Address	15940 SW 72nd Ave	Address	4955 Yarrow Street Suite 100	E	
				F	
City/State/Zip	Portland OR 97224	City/State/Zip	Arvada CO 80002	G	
Phone	971-284-1297	Phone	303-736-0124	H	
Fax		Fax		I	
e-Mail Address	Blary@scsengineers.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	Notes	Hold
1	LB-032625-04-1D	03/26/25	1000	W	1,2	5	X	X	X				NO_3 Short Hold Send Results and Invoice to Janice Collins/ Eurofins Environmental Testing Denver Janice.Collins@ET.EurofinsUS.com	
2	LB-032625-03-1S	03/26/25	0935	W	1,2	5	X	X	X					
3	LB-032625-02-1DR	03/26/25	0855	W	1,2	5	X	X	X					
4	LB-032625-01-1DSR	03/26/25	0820	W	1,2	5	X	X	X					
5	LB-032625-05-26D	03/26/25	1115	W	1,2	5	X	X	X					
6	LB-032625-06-26I	03/26/25	1145	W	1,2	5	X	X	X					
7	LB-032625-07-27I	03/26/25	1220	W	1,2	5	X	X	X					
8	Trip Blank	03/26/25	0700	W	1	4	X							
9														
10														

Sampler(s): Please Print & Sign
S. Campbell

Shipment Method: Courier

Required Turnaround Time: (Check Box) ☑ Other _____
☐ 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
	03/27/25	0900		3/27/25	1000	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			

ALS Cooler ID	Cooler Temp

QC Package: (Check Box Below)
☐ Level II: Standard QC ☐ Level III: Raw Data
☐ TRRP LRC ☐ TRRP Level IV
☐ Level IV: SW846 Methods/CLP like
☐ Other: _____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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Third Quarter (July) 2025 FSDSs

SCS ENGINEERS

Field Report Form

Client: Clark County		Weather: 56°F Sunny
Project: Leichner Bros Landfill 04225030.13		
Event: 3Q25 Semiannual event		Date: 7/28/25
Prepared By: J.Mack	Address: Vancouver, WA	Arrival: 0740
		Departure: 1600

- Loaded truck and departed
- Signed in at office and began WL survey
- Finished WL survey at LB-5S and began sampling
- Sampled 6S, 13I, and 26I
- Signed out and departed for SCS
- Stopped to buy more ice
- Unloaded and put samples in fridge

Signed

SCS ENGINEERS

Client: Clark County		Weather: 64°F Sunny
Project: Leichner Bros Landfill 04225030.13		
Event: 3Q25 Semiannual event		Date: 7/29/25
Prepared By: J.Mack	Address: Vancouver, WA	Arrival: 0800
		Departure: 1230

- Packed and iced samples for courier
- Loaded truck and departed
- Stopped at safeway for ice
- Began sampling at 17S
- Sampled 1S, 10SR, and 27I
- Signed out and departed for SCS
- Unloaded and put samples in fridge

Signed:



Landfill Visual Inspection Program

	Yes	No
Are there any surface water impoundment's or erosion from heavy surface water runoff?		✓
Are any monitoring wells or piezometers not clearly identified?		✓
Are there any area's of distressed vegetation or unexplained animal remains?		✓
Are there any areas of stained or tinted soils?		✓
Is liquid seeping out of the slopes of the waste unit?		✓
Are there any abnormal odors or observable vapors?		✓
Are any of the monitoring wells damaged or unsecured?		✓
Are there any abnormal conditions that are of concern to the Landfill operation?		✓

Landfill Leichner
Inspector S. Mack
Date 7/24/25
Reason for inspection
1st, 2nd, (3rd), or 4th groundwater monitoring event
Other

Notes: _____

_____

_____

_____

_____

Field Calibration Log
SCS Engineers

Equipment:			Serial Number:		Field Staff:			
YSI PRO PLUS			17J102717		J. Mack			
Location/ Project Number	Date	Time	Temperature (°C)	Dissolved Oxygen (mg/L)	pH 4.0 Buffer (S.U.)	pH 7.0 Buffer (S.U.)	Conductivity 1413 µS/cm standard (µS/cm)	ORP 220 mV standard (mV)
LLB 04225030.13	7/28/25	1140	26.0	8.05	4.0	7.0	1413	220
	7/29/25	0640	24.1	8.40	4.0	7.0	1413	220

Notes: 757.9 mmHg 7/28
760.0 mmHg 7/29

Leichner Landfill
Groundwater Elevation Survey

Project #: 04225030.13

Sampler: J. Mack

Quarter: 1 2 (3) 4

Date: 7/28/25

Monitoring Point Designation	Reference Elevation (ft. msl)	DTB (ft. btoc)	DTW (ft. btoc)	Time	Comments
Monitoring Wells					
MW-1 N	216.58	15.00			Dry @
MW-1 S	216.13	44.50			
MW-1 E	216.45	29.05			Dry @
MW-NE	219.83	50.34			
LB-R2	222.27	77.36	45.12	1300	
LB-1S	210.12	45.00	33.14	1050	
LB-1D	209.74	137.45	36.42	1048	
LB-3S	218.25	52.50	38.49	0919	
LB-3D	219.29	117.28	39.48	0928	
LB-5S	206.89	30.32	16.17	~~1134~~	JM 16.17 1136
LB-5C	206.70	74.71	~~16.17~~	~~1136~~	32.23 1134
LB-5D	207.56	122.40	37.69	1132	
LB-6S	202.80	39.07	26.94	0814	
LB-9SR2		47.84	35.35	0940	
LB-10SR	204.04	42.35	30.91	0909	
LB-10CR	203.05	71.95	29.82	0903	
LB-10DR	203.36	121.10	42.72	0906	
LB-13I	202.36	55.03	27.70	0830	
LB-13C	202.68	66.00	28.09	0832	
LB-13D	202.96	88.88	28.34	0835	
LB-17S	208.18	34.38	30.91	0803	BTOP DTP=29.47
LB-17I	213.14	51.95	36.11	0750	
LB-17C	206.55	72.35	~~37.12~~	~~0753~~	JM 29.80 0758
LB-17D	213.17	100.91	37.12	0753	
LB-20S	221.22	61.50	39.81	1040	
LB-21S	223.35	54.24	37.56	1105	
LB-21C	223.32	79.10	37.96	1106	
LB-21D	223.63	110.73	41.12	1104	
LB-22SR		42.47	23.71	1113	
LB-23S	229.19	45.40	31.71	1117	
LB-24S	235.13	54.16	39.34	1121	
LB-26I	200.22	58.30	25.02	0822	
LB-26D	200.75	101.78	24.79	0819	
LB-27I	205.35	57.15	~~25.02~~	0850	31.05
LB-27D	204.65	115.10	39.95	0845	

Notes: Probe decontd between readings

56° f Sunny

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-55

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-072825-01-55

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN		?			TEMPERATURE:	74. °C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

[Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW	DTB-DTW		Volume (gal)
7/28/25	11:40	30.32	.	16.17	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" = 0.041	2" = 0.163	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	√
VOA Glass	7/28/25	12:30	A	3	40 ml	HCl	YES NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	7/28/25	12:30	A	1	250, 500, 1L	None	YES NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	7/28/25	12:30	A	1	125, 250, 500	HNO_3	YES	YES		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [X] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 12:11 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	1212	0.00	6.45	82.2	258.0	17.3	16.21	11.87	Clear/colorless
1	1216	0.25	6.32	62.3	176.4	14.7	16.21	9.65	C/C
2	1219	0.50	6.32	56.7	171.1	14.4	16.21	9.47	C/C
3	1222	0.75	6.32	51.3	169.2	14.2	16.21	9.14	C/C
4	1225	1.00	6.31	49.7	168.9	14.0	16.21	9.13	C/C
5		.	.			.	.	.	
6		.	.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

C/C = Clear / colorless

Low Flow Purge Method: 10/10/20 psi ~ 300 ml/min

SAMPLER: J. Mack (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** FB

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-072825-02-FB

DUP ID: 02 **NA**

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN		?		**TEMPERATURE:**	(°F) 74.	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
/ /	:	.	.	.	.	.	X 1	.
/ /	:	.	.	.	.	.	X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" = 0.041	2" = 0.163	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other = Transfer

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	7/28/25	12:35	G	3	40 ml	HCl	~~YES~~	~~NO~~		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	7/28/25	12:35	G	1	250, ~~500~~, 1L	~~None~~	~~YES~~	~~NO~~	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	7/28/25	12:36	G	1	125, 250, 500	HNO_3	~~YES~~	~~YES~~		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 — Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type	BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
	VOA - Glass	(8260) (8011) OR [~~X~~] WA [ ]
	AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
	WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
	YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
	GREEN - Poly	(Cyanide)
	RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
	RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: : Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	G(1239)	0.00	—	—	—	—	—	—	—
1		.	.			.	.	.	
2		.	.			.	.	.	
3		.	.			.	.	.	
4		.	.			.	.	.	
5		.	.			.	.	.	
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Collected Near: LB-55

SAMPLER: J. Mack (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-65

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-072825-03-65

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN		?		TEMPERATURE:	°F 79 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
7/28/25	13:33	39.07	.	26.95	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 3" = 0.367 | 4" = 0.653 | 6" = 1.469 | 10" = 4.080 | 12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	7/28/25	14:00	A	3 40 ml	HCl	YES	NO		✓
Amber Glass	/ /	:		250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	7/28/25	14:00	A	1 250, 500, 1L	None	YES	NO	NA	✓
Yellow Poly	/ /	:		250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:		250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:		125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	7/28/25	14:00	A	1 125, 250, 500	HNO_3	YES	YES		✓
	/ /	:		250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type	BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
	VOA - Glass	(8260) (8011) OR [ ] WA [ ]
	AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
	WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO_3)
	YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
	GREEN - Poly	(Cyanide)
	RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
	RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 13:33 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	A(1335)	0.00	6.66	44.8	175.5	21.3	26.95	10.28	clear, colorless
1	A(1339)	0.25	6.73	40.3	185.1	15.8	26.95	8.23	C, C
2	A(1342	0.50	6.76	40.8	187.7	15.1	26.95	7.80	C, C
3	A(1345)	0.75	6.77	41.2	191.6	15.3	26.95	7.36	C/C
4	A(1348)	1.00	6.77	41.4	193.9	15.2	26.95	7.34	C, C
5		.	.			.	.	.	
6		.	.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

C/C = Clear, Colorless

Low Flow Purge Method: 8/7 | 30 psi ~ 300 ML/min

SAMPLER: J. Mack (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-26I

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-072825-04-26I

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN		?		TEMPERATURE:	°F 81 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
7/28/25	14:18	58.36	.	25.02	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163 | 1" = 0.041 | 2" = 0.163 | 3" = 0.367 | 4" = 0.653 | 6" = 1.469 | 10" = 4.080 | 12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	7/28/25	14:45	A	3	40 ml	HCl	YES	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	7/28/25	14:45	A	1	250, 500, 1L	None	YES	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	7/28/25	14:45	A	1	125, 250, 500	HNO_3	YES	YES		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)	
VOA - Glass	(8260) (8011)	OR [√] WA [ ]
AMBER - Glass	(8080) (8150) (TOX)	OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)	
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)	
GREEN - Poly	(Cyanide)	
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)	
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)	

WATER QUALITY DATA

Purge Start Time: 14:21 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A(1421)	0.00	7.52	52.4	257.5	18.6	25.02	11.11	Clear, colorless
1	A(1424)	0.25	6.47	54.7	251.7	13.4	25.02	5.74	C, C
2	A(1427)	0.50	6.72	53.9	253.7	13.5	25.02	5.66	C, C
3	A(1430)	0.75	6.79	53.3	266.6	13.5	25.02	5.13	C, C
4	A(1433)	1.00	6.82	52.8	273.4	13.6	25.02	4.62	C, C
5	A(1436)	1.25	6.84	52.8	277.4	13.6	25.02	4.53	C, C
6	A(1439	1.50	6.86	52.4	280.3	13.5	25.02	4.48	C, C

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

C, C = Clear, Colorless

Low Flow Purge Method: (10/5/25 pst) ≈300 ml/min

SAMPLER: J. Mack (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-13I

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-072825-05-13I

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	(NW)	LIGHT	MEDIUM	HEAVY
WEATHER:	(SUNNY)	CLOUDY	RAIN	?					TEMPERATURE:	(F) 82.	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW	[Water Column x Gal/ft]	Volume (gal)
7/28/25	15:09	55.03	.	27.68	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163	1" = 0.041	(2") = 0.163	3" = 0.367	4" = 0.653	6" = 1.469	10" = 4.080	12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	7/28/25	15:40	A	3	(40 ml)	(HCl)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	7/28/25	15:40	A	1	250, (500) 1L	(None)	(YES)	(NO)	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	7/28/25	15:40			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	/ /	:	A	1	(125), 250, 500	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type	BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
	VOA - Glass	(8260) (8011) OR [ ] WA [ ]
	AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
	WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
	YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
	GREEN - Poly	(Cyanide)
	RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
	RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 15:13 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A(1514)	0.00	7.59	58.9	288.2	21.7	27.68	11.86	Clear, colorless
1	A(1519)	0.50	6.69	57.5	284.7	14.1	27.68	4.06	C, C
2	A(1523)	0.75	6.73	56.9	284.7	14.0	27.68	3.60	C, C
3	A(1526)	1.00	6.75	55.7	285.4	13.8	27.68	3.24	C, C
4	A(1529)	1.25	6.75	55.4	284.7	14.0	27.68	3.20	C, C
5	A(1532)	1.50	6.76	55.3	285.2	13.7	27.68	3.13	C, C
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

C, C = Clear, Colorless

Low Flow Purge Method: (13 (7 (25 psi) @ 300 ml/min

SAMPLER: D. Mack (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS

15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-175

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-072925-06-175

DUP ID: 01 NA

WIND FROM:	N	NE	E	SE	S	SW	W	(NW)	LIGHT	MEDIUM	HEAVY
WEATHER:	(SUNNY)	CLOUDY	RAIN	?							

TEMPERATURE: (F) 64 . °C [Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

[Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW	DTB-DTW		Volume (gal)
7/29/25	08:30	34.38	.	BTOP	.	.	X 1	.
/ /	:	.	.	29.5	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163 | 1" = 0.041 | (2") = 0.163 | 3" = 0.367 | 4" = 0.653 | 6" = 1.469 | 10" = 4.080 | 12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL		Preservative [circle]	Ice	Filter	pH	√
VOA Glass	7/29/25	09:00	A	3	(40 ml)	(HCl)	(YES)	(NO)		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	7/29/25	09:00	A	1	250, (500), 1L	(None)	(YES)	(NO)	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	7/29/25	09:00	A	1	(125), 250, 500	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 | 5 | Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [✓] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 08:33 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A(0834)	0.00	6.63	37.5	386.5	17.3	BTOP	9.29	Clear, Colorless
1	A(0840)	0.30	6.18	42.3	397.1	14.7	BTOP	3.48	C,C
2	A(0843)	0.50	6.18	42.2	397.4	14.7	BTOP	3.28	C,C
3	A(0846)	0.75	6.19	42.2	397.2	14.6	BTOP	3.00	C,C
4	A(0850)	1.00	6.20	41.7	397.3	14.6	BTOP	2.97	C,C
5	A(0853)	1.20	6.20	41.2	396.9	14.6	BTOP	2.96	C,C
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

C,C = Clear, Colorless

Low Flow Purge Method: (24/61 20 psi) ~200 ML/MIN

SAMPLER: J. Mack
(PRINTED NAME)

(SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-15

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-072925-02-15

DUP ID: NA

WIND FROM: N | NE | E | SE | S | SW | W | (NW)

WEATHER: (SUNNY) | CLOUDY | RAIN | ?

(LIGHT) | MEDIUM | HEAVY

TEMPERATURE: (F) 68. °C (Circle appropriate units)

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW	[Water Column x Gal/ft] Volume (gal)
7/29/25	09:38	45.00	.	33.12	.	.	X 1 .
/ /	:	.	.	.	.		X 3 .

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | (2") = 0.163 | 3" = 0.367 | 4" = 0.653 | 6" = 1.469 | 10" = 4.080 | 12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	7/29/25	10:10	A	3	(40 ml)	(HCl)	YES	(NO)		✓
Amber Glass	/ /	:			250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	7/29/25	10:10	A	1	250, (500), 1L	(None)	(YES)	(NO)	NA	✓
Yellow Poly	/ /	:			250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	7/29/25	10:10	A	1	(125), 250, 500	(HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 | 5 | Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)	
VOA - Glass	(8260) (8011)	OR [√] WA [ ]
AMBER - Glass	(8080) (8150) (TOX)	OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)	
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)	
GREEN - Poly	(Cyanide)	
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)	
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)	

WATER QUALITY DATA

Purge Start Time: 09:45

Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A(0946)	0.00	7.31	32.2	392.3	19.0	33.17	10.67	Clear, Colorless
1	A(0951)	0.50	6.38	31.7	337.9	13.2	33.15	4.52	C, C
2	A(0954)	0.75	6.63	30.3	329.4	12.9	33.15	4.17	C, C
3	A(1000)	1.00	6.64	29.4	327.9	13.0	33.15	3.87	C, C
4	A(1000)	1.25	6.65	29.0	327.0	13.0	33.15	3.85	C, C
5	A(1003)	1.50	6.65	28.5	326.2	13.0	33.15	3.83	C, C
6			.			.	.	.	

0957

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

C, C = Clear, Colorless

Low Flow Purge Method: (19 1/1 1 20 psi) ~ 300 ml/min

SAMPLER: J. Mack (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-10SR

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-072925-03-10SR

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	(NW)	LIGHT	MEDIUM	HEAVY
WEATHER:	(SUNNY)		CLOUDY		RAIN		?		**TEMPERATURE:**	072 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
7/29/25	10:31	42.35	.	30.91	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163 | 1" = 0.041 | (2") = 0.163 | 3" = 0.367 | 4" = 0.653 | 6" = 1.469 | 10" = 4.080 | 12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	[√ if used]
VOA Glass	7/29/25	11:00	A	3	(40 ml)	(YES)	NO		✓
Amber Glass	/ /	:			250, 500, 1L (None) (HCl) (H_2SO_4)	YES	NO		
White Poly	7/29/25	11:00	A	1	250, (500), 1L (None)	(YES)	(NO)	NA	✓
Yellow Poly	/ /	:			250, 500, 1L H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500 HNO_3	YES	NO		
Red Diss. Poly	7/29/25	11:00	A	1	(125), 250, 500 (HNO_3)	(YES)	(YES)		✓
	/ /	:			250, 500, 1L	YES			

White no acid, Yellow H2SO4, Red HNO3 | 5 | Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type	BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
	VOA - Glass	(8260) (8011) OR [ ] WA [ ]
	AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
	WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
	YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
	GREEN - Poly	(Cyanide)
	RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
	RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 10:33 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp (°C)	DTW	Diss O_2 (mg/l)	Water Quality
0	A(1034)	0.00	7.07	33.1	479.2	20.2	30.91	9.66	Clear/colorless
1	A(1037)	0.25	6.22	36.8	462.0	14.7	30.91	3.79	C, C
2	A(1040)	0.50	6.50	35.6	461.4	14.2	30.91	2.16	C, C
3	A(1043)	0.75	6.52	35.4	457.4	14.2	30.91	1.68	C, C
4	A(1046)	1.00	6.55	35.0	448.8	14.0	30.91	1.42	C, C
5	A(1049)	1.25	6.55	34.9	443.2	14.0	30.91	1.38	C, C
6	A(1052)	1.50	6.55	34.6	440.8	14.0	30.91	1.30	C, C

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

C, C = Clear/Colorless

Low Flow Purge Method: (20/10/20 psi) ~300 ml/min

SAMPLER: TJ. Mack (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** LB-27I

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-27 2925-04-271

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN		?		TEMPERATURE:	75	°C / °F

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

Date	Time	DT-Bottom	DT-Product	DT-Water	[Product Thickness] DTP-DTW	[Water Column] DTB-DTW		[Water Column x Gal/ft] Volume (gal)
7/29/25	11:30	57.15	.	31.06	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)² x 0.163 | 1" = 0.041 | 2" = 0.163 | 3" = 0.367 | 4" = 0.653 | 6" = 1.469 | 10" = 4.080 | 12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth: [√ if used]

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	√
VOA Glass	7/29/25	12:00	A	3 40 ml	(HCl)	YES	NO		✓
Amber Glass	/ /	:		250, 500, 1L	(None) (HCl) (H_2SO_4)	YES	NO		
White Poly	7/29/25	12:00	A	1 250, 500, 1L	None	YES	NO	NA	✓
Yellow Poly	/ /	:		250, 500, 1L	H_2SO_4	YES	NO		
Green Poly	/ /	:		250, 500, 1L	NaOH	YES	NO		
Red Total Poly	/ /	:		125, 250, 500	HNO_3	YES	NO		
Red Diss. Poly	7/29/25	12:00	A	1 125, 250, 500	HNO_3	YES	YES		✓
	/ /	:		250, 500, 1L		YES			

White no acid, Yellow H2SO4, Red HNO3 — 5 Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type

BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
VOA - Glass	(8260) (8011) OR [ ] WA [ ]
AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
GREEN - Poly	(Cyanide)
RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: 11:31 Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	A(1132)	0.00	6.79	36.7	619.0	16.1	31.06	3.48	Clear, Colorless
1	A(1137)	0.50	6.66	38.4	602.2	13.4	31.06	1.12	C,C
2	A(1140)	0.75	6.74	37.5	599.3	13.2	31.06	0.92	C,C
3	A(1143)	1.00	6.77	36.6	593.0	13.3	31.06	0.92	C,C
4	A(1146)	1.25	6.77	35.9	591.6	13.1	31.06	0.91	C,C
5	A(1149)	1.50	6.80	35.6	590.0	13.1	31.06	0.86	C,C
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Low Flow Purge Method: (10/10/25 psi) ~300 ml/min C,C = Clear, Colorless

SAMPLER: J.Mack (PRINTED NAME) (SIGNATURE)

FIELD SAMPLING DATA SHEET

SCS ENGINEERS
15940 SW 72nd Avenue,
Portland, OR 97224
Office: 503.639.9201 Fax: 503.684.6984

PROJECT NAME: Leichner Landfill **WELL ID:** DUP

SITE ADDRESS: 9411 NE 94th Avenue, Vancouver, WA 98662 **BLIND ID:** LB-072925-05-DUP

DUP ID: NA

WIND FROM:	N	NE	E	SE	S	SW	W	NW	LIGHT	MEDIUM	HEAVY
WEATHER:	SUNNY		CLOUDY		RAIN		?		TEMPERATURE:	75 .	°C

[Circle appropriate units]

HYDROLOGY/LEVEL MEASUREMENTS (Nearest 0.01 ft)

[Product Thickness] [Water Column] [Water Column x Gal/ft]

Date	Time	DT-Bottom	DT-Product	DT-Water	DTP-DTW	DTB-DTW		Volume (gal)
7/29/25	:	.	.	.	.	.	X 1	.
/ /	:	.	.	.	.		X 3	.

Gal/ft = (dia./2)^2 x 0.163 | 1" = 0.041 | 2" = 0.163 | 3" = 0.367 | 4" = 0.653 | 6" = 1.469 | 10" = 4.080 | 12" = 5.875

§ METHODS: (A) Submersible Pump (B) Peristaltic Pump (C) Disposable Bailer (D) PVC/Teflon Bailer (E) Dedicated Bailer (F) Dedicated Pump (G) Other =

GROUNDWATER SAMPLING DATA (if product is detected, do NOT sample)

Sample Depth:

Bottle Type	Date	Time	Method §	Amount & Volume mL	Preservative [circle]	Ice	Filter	pH	[√ if used] √
VOA Glass	7/29/25	12:05	A	3	40 ml HCl	YES	NO		✓
Amber Glass	/ /	:			250, 500, 1L (None) (HCl) (H_2SO_4)	YES	NO		
White Poly	7/29/25	12:05	A	1	250, 500, 1L None	YES	NO	NA	✓
Yellow Poly	/ /	:			250, 500, 1L H_2SO_4	YES	NO		
Green Poly	/ /	:			250, 500, 1L NaOH	YES	NO		
Red Total Poly	/ /	:			125, 250, 500 HNO_3	YES	NO		
Red Diss. Poly	7/29/25	12:05	A	1	125, 250, 500 HNO_3	YES	YES		✓
	/ /	:			250, 500, 1L	YES			

White no acid, Yellow H2SO4, Red HNO3 | 5 | Total Bottles (include duplicate count):

Analysis Allowed per Bottle Type	BOTTLE TYPE	TYPICAL ANALYSIS ALLOWED PER BOTTLE TYPE (Circle applicable or write non-standard analysis below)
	VOA - Glass	(8260) (8011) OR [ ] WA [ ]
	AMBER - Glass	(8080) (8150) (TOX) OR [ ] WA [ ]
	WHITE - Poly	(pH) (Conductivity) (TDS) (TSS) (Alkalinity) (HCO_3/CO_3) (Cl) (SO_4) (Silica, T.) (NO3)
	YELLOW - Poly	(COD) (TOC) (NH_3) (NO_3/NO_2) (Tannin/Lignin)
	GREEN - Poly	(Cyanide)
	RED TOTAL - Poly	(As) (Sb) (Ba) (Be) (Cd) (Co) (Cr) (Cu) (Fe) (Pb) (Mn) (Ni) (Ag) (Se) (Tl) (V) (Zn) (Hardness)
	RED DISSOLVED - Poly	(Ca) (Fe) (Mg) (Mn) (K) (Na)

WATER QUALITY DATA

Purge Start Time: : Pump/Bailer Inlet Depth:

Meas.	Method §	Purged (gal)	pH	ORP	E Cond (µS)	°F Temp °C	DTW	Diss O_2 (mg/l)	Water Quality
0	A (1205)	0.00	-	-	-	-	.	-	-
1		.	.			.	.	.	
2		.	.			.	.	.	
3		.	.			.	.	.	
4		.	.			.	.	.	
5		.	.			.	.	.	
6			.			.	.	.	

[Casing] [Select A-G] [Cumulative Totals] [Circle units] [Clarity, Color]

Collected at: LB-27I

SAMPLER: D. Mack (PRINTED NAME) (SIGNATURE)

ALS Environmental
1317 South 13th Ave
Kelso, WA 98626
(Tel) 360.577.7222
(Fax) 360.636.1068

Chain of Custody Form

Page 1 of 1

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Leichner Landfill	A	Volatile Organics (Method 8260)
Work Order		Project Number	04225030.13	B	Chloride
Company Name	SCS Engineers	Bill To Company	SCS Engineers	C	TDS
Send Report To	Barb Lary	Invoice Attn.	Heather Williams	D	Nitrate (Short Hold)
Address	15940 SW 72nd Ave	Address	15940 SW 72nd Ave	E	Dissolved Metals (Fe, Mn)
				F	
City/State/Zip	Portland OR 97224	City/State/Zip	Portland OR 97224	G	
Phone	(971) 284-1297	Phone	(503) 639-1103	H	
Fax		Fax		I	
e-Mail Address	BLary@scsengineers.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	Notes	Hold
1	LB-072825-01-5S	7/28/2025	1230	W	1, 2,8	5	X	X	X	X	X		Metals are Field Filtered	
2	LB-072825-02-FB	7/28/2025	1235	W	1, 2,8	5	X	X	X	X	X			
3	LB-072825-03-6S	7/28/2025	1400	W	1, 2,8	5	X	X	X	X	X			
4	LB-072825-04-26I	7/28/2025	1445	W	1, 2,8	5	X	X	X	X	X			
5	LB-072825-05-13I	7/28/2025	1540	W	1, 2,8	5	X	X	X	X	X			
6	TB1	7/28/2025	0700	W	1,8	2	X							
7														
8														
9														
10														

Sampler(s): Please Print & Sign: J. Mack

Shipment Method:

Required Turnaround Time: (Check Box) ☑ Other STD ☐ 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
	7/29/25	1030		7/29/25	1030	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			

ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)	
		☐ Level II: Standard QC	☐ Level III: Raw Data
		☐ TRRP LRC	☐ TRRP Level IV
		☐ Level IV: SW846 Methods/CLP like	
		☐ Other:	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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1317 South 13th Ave
Kelso, WA 98626
(Tel) 360.577.7222
(Fax) 360.636.1068

Chain of Custody Form

Page 1 of 1

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Leichner Landfill	A	Volatile Organics (Method 8260)
Work Order		Project Number	04225030.13	B	Chloride
Company Name	SCS Engineers	Bill To Company	SCS Engineers	C	TDS
Send Report To	Barb Lary	Invoice Attn.	Heather Williams	D	Nitrate (Short Hold)
Address	15940 SW 72nd Ave	Address	15940 SW 72nd Ave	E	Dissolved Metals (Fe, Mn)
				F	
City/State/Zip	Portland OR 97224	City/State/Zip	Portland OR 97224	G	
Phone	(971) 284-1297	Phone	(503) 639-1103	H	
Fax		Fax		I	
e-Mail Address	BLary@scsengineers.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	Notes	Hold
1	LB-072925-01-17S	7/29/2025	0900	W	1, 2,8	5	X	X	X	X	X		Metals are Field Filtered	
2	LB-072925-02-1S	7/29/2025	1010	W	1, 2,8	5	X	X	X	X	X			
3	LB-072925-03-10SR	7/29/2025	1100	W	1, 2,8	5	X	X	X	X	X			
4	LB-072925-04-27I	7/29/2025	1200	W	1, 2,8	5	X	X	X	X	X			
5	LB-072925-05-DUP	7/29/2025	1205	W	1, 2,8	5	X	X	X	X	X			
6	TB2	7/29/2025	0700	W	1,8	2	X							
7														
8														
9														
10														

Sampler(s): Please Print & Sign: J. Mack

Shipment Method: Courier

Required Turnaround Time: (Check Box) ☐ 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☑ Other STD

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
	7/30/25	1140		7/30/25	1140	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			

ALS Cooler ID	Cooler Temp

QC Package: (Check Box Below)
☐ Level II: Standard QC ☐ Level III: Raw Data
☐ TRRP LRC ☐ TRRP Level IV
☐ Level IV: SW846 Methods/CLP like
☐ Other: _____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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APPENDIX B

Summary Tables of 2025 Groundwater Field Parameter Measurements and Analytical Data

Field Parameters

Table B-1 Field Parameters
Closed Leichner Landfill
Vancouver, Washington

Location	Sample Number	Date	Field pH (S.U.)	Field Conductivity (µS/cm)	Temperature (°C)	Dissolved Oxygen (mg/L)
LB-1D	LB-021224-01-1D	02/12/24	6.87	335.7	11.5	7.65
LB-1D	LB-032625-04-1D	03/26/25	7.11	236.7	12.1	7.71
LB-1S	LB-021224-02-1S	02/12/24	6.31	352.0	12.9	4.31
LB-1S	LB-080724-05-1S	08/07/24	6.51	258.4	14.6	3.64
LB-1S	LB-032625-03-1S	03/26/25	6.85	360.1	12.4	4.51
LB-1S	LB-082925-02-1S	07/29/25	6.65	326.2	13	3.83
LB-3D	LB-021224-07-3D	02/12/24	6.61	348.3	13.4	5.35
LB-3D	LB-032025-01-3D	03/20/25	6.07	256.7	11.9	5.06
LB-3S	LB-021224-08-3S	02/12/24	5.98	365.6	12.8	7.08
LB-3S	LB-032025-03-3S	03/20/25	6.11	261.4	11.9	5.81
LB-5D	LB-021324-01-5D	02/13/24	6.88	511.0	12.5	0.3
LB-5D	LB-031825-05-5D	03/18/25	6.78	309.0	12.5	0.35
LB-5S	LB-021424-01-5S	02/14/24	5.9	175.4	11.7	7.91
LB-5S	LB-080724-04-5S	08/07/24	6.06	172.2	15.2	7.24
LB-5S	LB-031825-03-5S	03/18/25	6.64	174.7	12.4	6.52
LB-5S	LB-072825-01-5S	07/28/25	6.31	168.9	14	9.13
LB-6S	LB-021424-04-6S	02/14/24	6.23	216.6	11.2	7.24
LB-6S	LB-080724-03-6S	08/07/24	6.47	207.5	14.6	6.36
LB-6S	LB-031825-01-6S	03/18/25	6.32	187.0	12.7	9.69
LB-6S	LB-072825-03-6S	07/28/25	6.77	193.9	15.2	7.34
LB-10DR	LB-021224-03-10DR	02/12/24	6.96	420.6	13.2	3.04
LB-10DR	LB-032625-02-10DR	03/26/25	7.04	352.2	12.4	1.91
LB-10SR	LB-021224-05-10SR	02/12/24	6.39	441.8	13.4	0.41
LB-10SR	LB-080724-06-10SR	08/07/24	6.23	374.2	16.2	0.34
LB-10SR	LB-032625-01-10SR	03/26/25	6.41	449.7	12.8	0.95
LB-10SR	LB-072925-03-10SR	07/29/25	6.55	440.8	14	1.3
LB-13D	LB-021324-07-13D	02/13/24	6.69	344.4	12.6	4.27
LB-13D	LB-031925-06-13D	03/19/25	6.59	231.7	12	5.9
LB-13I	LB-021324-10-13I	02/13/24	6.79	407.7	12.9	2.09
LB-13I	LB-080624-03-13I	08/06/24	6.62	278.9	17.2	2.47
LB-13I	LB-031925-08-13I	03/19/25	6.65	276.5	12.2	1.61
LB-13I	LB-072825-05-13I	07/28/25	6.76	285.2	13.7	3.13
LB-17D	LB-021324-02-17D	02/13/24	6.97	391.2	12.3	0.23
LB-17D	LB-031925-03-17D	03/19/25	6.74	285.1	13.1	0.37
LB-17I	LB-021324-03-17I	02/13/24	7.00	448.2	12	2.39
LB-17I	LB-031925-04-17I	03/19/25	6.94	283.1	13.9	0.2
LB-17S	LB-080624-01-17S	08/06/24	6.21	457.9	17.1	3.22
LB-17S	LB-031925-01-17S	03/19/25	5.98	341.1	12.7	4.58
LB-17S	LB-072925-01-17S	07/29/25	6.2	396.9	14.6	2.96
LB-20S	LB-021424-05-20S	02/14/24	6.69	365.7	10.9	0.65
LB-20S	LB-032025-04-20S	03/20/25	6.47	262.2	11.5	1.54
LB-26D	LB-021324-05-26D	02/13/24	6.68	349.3	12.5	3.95
LB-26D	LB-062625-05-26D	03/26/25	6.84	254.5	12.7	5.15

Table B-1 Field Parameters
Closed Leichner Landfill
Vancouver, Washington

Location	Sample Number	Date	Field pH (S.U.)	Field Conductivity (µS/cm)	Temperature (°C)	Dissolved Oxygen (mg/L)
LB-26I	LB-021424-03-26I	02/14/24	6.35	224	11.3	5.78
LB-26I	LB-080724-01-26I	08/07/24	6.45	240	13.8	4.16
LB-26I	LB-032625-06-26I	03/26/25	6.87	257	13.1	5.94
LB-26I	LB-072825-04-26I	07/28/25	6.86	280	13.5	4.48
LB-27D	LB-21324-08-27D	02/13/24	7.05	408.4	11.7	2.46
LB-27D	LB-031925-05-27D	03/19/25	6.82	283.4	12.1	3.58
LB-27I	LB-021324-09-27I	02/13/24	6.82	491	12.6	0.2
LB-27I	LB-080624-02-27I	08/06/24	6.75	408	13.6	0.4
LB-27I	LB-032625-07-27I	03/26/25	6.93	567	12.7	0.48
LB-27I	LB-072925-04-27I	07/29/25	6.8	590	13.1	0.86

Notes
S.U. = Standard Units
mg/L = milligrams per liter
µS/cm - microsiemens per centimeter
°C = degrees centigrade

Volatile Organic Compounds

Table B-2 Historical VOC Detections
Closed Leichner Landfill, Vancouver, Washington

Location	Sample Number	Date	Bromodichloro-methane (µg/L)	Chloro-benzene (µg/L)	Chloro-ethane (µg/L)	Chloroform (µg/L)	Chloro-methane (µg/L)	1,4-DCB (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	cis-1,2-DCE (µg/L)	PCE (µg/L)	TCE (µg/L)
LB-1D	LB-032023-01-1D	03/20/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1D	LB-021224-01-1D	02/12/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1D	LB-032625-04-1D	03/26/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-032023-02-1S	03/20/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-072623-02-1S	07/26/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-021224-02-1S	02/12/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-080724-05-1S	08/07/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-032625-03-1S	03/26/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-1S	LB-072925-02-1S	07/29/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D	LB-032023-07-3D	03/20/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D	LB-021224-07-3D	02/12/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D	LB-032025-01-3D	03/20/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3D (Dup)	LB-032025-02-DUP3	03/20/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3S	LB-032023-08-3S	03/20/23	0.5 L	0.5 L	0.5 L	0.51	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3S	LB-021224-08-3S	02/12/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-3S	LB-032025-03-3S	03/20/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D	LB-032123-09-5D	03/21/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D	LB-021324-01-5D	02/13/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5D	LB-031825-05-5D	03/18/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-032223-01-5S	03/22/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-072523-01-5S	07/25/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-021424-01-5S	02/14/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-080724-04-5S	08/07/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-031825-03-5S	03/18/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-5S	LB-072825-01-5S	07/28/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-032023-09-6S	03/20/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-072623-01-6S	07/26/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-021424-04-6S	02/14/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-080724-03-6S	08/07/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-031825-01-6S	03/18/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S (DUP)	LB-031825-02-DUP	03/18/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-6S	LB-072825-03-6S	07/28/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10DR	LB-032023-03-10DR	03/20/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10DR	LB-021224-03-10DR	02/12/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10DR	LB-032625-02-10DR	03/26/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L

Table B-2 Historical VOC Detections
Closed Leichner Landfill, Vancouver, Washington

Location	Sample Number	Date	Bromodichloro-methane (µg/L)	Chloro-benzene (µg/L)	Chloro-ethane (µg/L)	Chloroform (µg/L)	Chloro-methane (µg/L)	1,4-DCB (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	cis-1,2-DCE (µg/L)	PCE (µg/L)	TCE (µg/L)
LB-10SR	LB-032023-05-10SR	03/20/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-032023-06-DUP1	03/20/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-072623-03-10SR	07/26/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-072623-03-DUP	07/26/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-021224-05-10SR	02/12/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-021224-06-DUP1	02/12/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-080724-06-10SR	08/07/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-032625-01-10SR	03/26/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-10SR	LB-072925-03-10SR	07/19/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-032123-07-13D	03/21/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-021324-07-13D	02/13/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13D	LB-031925-06-13D	03/19/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-032123-05-13I	03/21/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-072523-03-13I	07/25/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-021324-10-13I	02/13/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-080624-03-13I	08/06/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-080624-04-DUP	08/06/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-031925-08-13I	03/19/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-13I	LB-072825-05-13I	07/28/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D	LB-032123-10-17D	03/21/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D	LB-021324-02-17D	02/13/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17D	LB-031925-03-17D	03/19/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17I	LB-032123-11-17I	03/21/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17I	LB-021324-03-17I	02/13/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17I (DUP1)	LB-021324-04-DUP1	02/13/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17I	LB-031925-04-17I	03/19/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17S	LB-17S	08/06/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17S	LB-031925-01-17S	03/19/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17S (DUP2)	LB-031925-02-DUP2	03/19/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-17S	LB-072925-01-17S	07/29/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-20S	LB-32123-01-20S	03/21/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-20S	LB-021424-05-20S	02/14/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-20S	LB-021424-06-DUP1	02/14/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-20S	LB-032025-04-20S	03/20/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-032123-08-26D	03/21/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-021324-05-26D	02/13/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26D	LB-032625-05-26D	03/26/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L

Table B-2 Historical VOC Detections
Closed Leichner Landfill, Vancouver, Washington

Location	Sample Number	Date	Bromodichloro-methane (µg/L)	Chloro-benzene (µg/L)	Chloro-ethane (µg/L)	Chloroform (µg/L)	Chloro-methane (µg/L)	1,4-DCB (µg/L)	1,1-DCA (µg/L)	1,1,1-TCA (µg/L)	cis-1,2-DCE (µg/L)	PCE (µg/L)	TCE (µg/L)
LB-26I	LB-032223-02-26I	03/22/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-032223-02-26I	07/25/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-021424-03-26I	02/14/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-080724-01-26I	08/07/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-032625-06-26I	03/26/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-26I	LB-072825-04-26I	07/28/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-032123-06-27D	03/21/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-021324-08-27D	02/13/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27D	LB-031925-05-27D	03/19/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-032123-03-27I	03/21/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-032123-04-DUP1	03/21/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-072523-02-27I	07/25/23	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-021324-09-27I	02/13/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-080624-02-27I	08/06/24	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-032625-07-27I	03/26/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I	LB-072925-04-27I	07/29/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L
LB-27I (Dup)	LB-072925-05-DUP	07/29/25	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L

Notes:
PCE = tetrachloroethene;
TCE = trichloroethene
1,4-DCB = 1,4-dichlorobenzene
1,1-DCA = 1,1-dichloroethane
1,1,1-TCA = 1,1,1-trichloroethane
cis-1,2-DCE = cis-1,2-dichloroethene
B = above the laboratory method detection limit (MDL) but below the method reporting limit (MRL)
Dup = field duplicate sample;
L = not detected at or above MRL;
µg/L = micrograms per liter

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

Table B-3 Inorganic Parameters
Closed Leichner Landfill, Vancouver, Washington

Location	Sample Number	Date	Chloride (mg/L)	Nitrate as Nitrogen (mg/L)	Total Dissolved Solids (mg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (mg/L)
Compliance Level (mg/L)			250	10	500	0.3	0.05
LB-1D	LB-021821-04-1D	02/18/21	6.10	5.65	170	0.021 L	0.0011 L
LB-1D	LB-021522-05-1D	02/15/22	6.11	5.59	166	0.025	0.0011 L
LB-1D	LB-032023-01-1D	03/20/23	5.97	5.58	167	0.021 L	0.0021
LB-1D	LB-021224-01-1D	02/12/24	5.60	5.63	174	0.042 L	0.0014
LB-1D	LB-032625-04-1D	03/26/25	6.28	5.67	177	0.002 L	0.0002 L
LB-1S	LB-021821-05-1S	02/18/21	5.67	3.91	190	0.021 L	0.0011 L
LB-1S (Dup)	LB-021821-06-DUP1	02/18/21	5.69	3.92	198	0.021 L	0.0011 L
LB-1S	LB-081021-03-1S	08/10/21	6.11	5.01	191	0.021 L	0.0011 L
LB-1S	LB-021522-06-1S	02/15/22	4.74	2.40	167	0.024	0.0018
LB-1S	LB-052522-01-1S	05/25/22	6.97	3.94	NT	NT	NT
LB-1S	LB-072622-02-1S	07/26/22	5.61	4.17	197	0.021 L	0.0011 L
LB-1S	LB-032023-02-1S	03/20/23	4.57	3.69	184	0.021 L	0.0011
LB-1S	LB-072623-02-1S	07/26/23	6.15	4.34	191	0.021 L	0.0011 L
LB-1S	LB-021224-02-1S	02/12/24	5.02	3.86	177	0.042 L	0.0011 L
LB-1S	LB-080724-05-1S	08/07/24	5.68	4.22	189	0.004	0.00024
LB-1S	LB-032625-03-1S	03/26/25	13.4	4.76	229	0.0021	0.0002 L
LB-1S	LB-072925-02-1S	07/29/25	7.46	5.74	207	0.002 L	0.0002 L
LB-3D	LB-021821-07-3D	02/18/21	10.1	9.14	171	0.021 L	0.0011 L
LB-3D	LB-021522-01-3D	02/15/22	4.49	4.06	168	0.027	0.0011 L
LB-3D	LB-032023-07-3D	03/20/23	4.32	4.05	169	0.021 L	0.0011 L
LB-3D	LB-021224-07-3D	02/12/24	4.25	4.18	167	0.042 L	0.0011 L
LB-3D	LB-032025-01-3D	03/20/25	5.26	4.42	174	0.002 L	0.0002 L
LB-3D	LB-032025-02-DUP3	03/20/25	5.22	4.41	181	0.002 L	0.0002 L
LB-3S	LB-021821-08-3S	02/18/21	7	6.82	148	0.021 L	0.0011 L
LB-3S	LB-021522-02-3S	02/15/22	4.19	3.07	155	0.021 L	0.0011 L
LB-3S	LB-021522-03-Dup2	02/15/22	4.18	3.06	152	0.021 L	0.0011 L
LB-3S	LB-052522-04-3S	05/25/22	5.81	3.61	NT	NT	NT
LB-3S	LB-052522-05-Dup1	05/25/22	6.09	3.62	NT	NT	NT
LB-3S	LB-072622-03-3S	07/26/22	4.8	3.37	159	0.021 L	0.0011 L
LB-3S	LB-072622-04-Dup	07/26/22	4.5	3.36	156	0.021 L	0.0011 L
LB-3S	LB-032023-08-3S	03/20/23	4.21	3.56	162	0.021 L	0.0011 L
LB-3S	LB-021224-08-3S	02/12/24	5.11	5.63	186	0.042 L	0.0011 L
LB-3S	LB-032025-03-3S	03/20/25	5.25	4.67	176	0.002 L	0.0002 L
LB-5D	LB-021721-04-5D	02/01/21	7.98	0.96	215	0.021 L	0.0025
LB-5D	LB-021422-01-5D	02/14/22	8.11	1.92	204	0.131	0.0043
LB-5D (DUP)	LB-021422-02-Dup1	02/14/22	8.12	1.87	205	0.130	0.0037
LB-5D	LB-032123-09-5D	03/21/23	8.11	1.20	215	0.021 L	0.0035
LB-5D	LB-021324-01-5D	02/13/24	7.54	1.66	217	0.042 L	0.0011
LB-5D	LB-031825-05-5D	03/18/25	7.3	1.50	213	0.013	0.00216

Table B-3 Inorganic Parameters
Closed Leichner Landfill, Vancouver, Washington

Location	Sample Number	Date	Chloride (mg/L)	Nitrate as Nitrogen (mg/L)	Total Dissolved Solids (mg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (mg/L)
Compliance Level (mg/L)			250	10	500	0.3	0.05
LB-5S	LB-021921-02-5S	02/19/21	6.75	7.09	140	0.021 L	0.0011 L
LB-5S	LB-080921-01-5S	08/09/21	4.25	4.48	161	0.021 L	0.0011 L
LB-5S	LB-021422-03-5S	02/14/22	5.4	5.47	151	0.022	0.0011 L
LB-5S	LB-072522-02-5S	07/25/22	3.59	4.5	153	0.021 L	0.0011 L
LB-5S	LB-032223-01-5S	03/22/23	3.98	4.19	145	0.021 L	0.0013
LB-5S	LB-072523-01-5S	07/25/23	4.74	5.03	153	0.021 L	0.0011 L
LB-5S	LB-021424-01-5S	02/14/24	4.62	5.03	153	0.042 L	0.0011 L
LB-5S	LB-080724-04-5S	08/07/24	2.6	2.47	164	0.0059	0.00029
LB-5S	LB031825-03-5S	03/18/25	5.19	4.54	147	0.0353	0.00116
LB-5S	LB-072825-01-5S	07/28/25	4.28	4.58	148	0.0114	0.0008
LB-6S	LB-022321-03-6S	02/23/21	7.78	4.37	169	0.021 L	0.0011 L
LB-6S	LB-081021-05-6S	08/10/21	4.62	1.72	163	0.021 L	0.0011 L
LB-6S	LB-021622-08-6S	02/16/22	7.59	4.13	187	0.023	0.0011 L
LB-6S	LB-072522-06-6S	07/25/22	5.49	2.23	154	0.021 L	0.0011 L
LB-6S	LB-032023-09-6S	03/20/23	5.77	3.44	179	0.021 L	0.0011 L
LB-6S	LB-072623-01-6S	07/26/23	5.76	3.10	182	0.021 L	0.0011 L
LB-6S	LB-021424-04-6S	02/14/24	4.61	3.27	168	0.042 L	0.0011 L
LB-6S	LB-080724-03-6S	08/07/24	4.01	2.32	156	0.0071	0.00034
LB-6S	LB-031825-01-6S	03/18/25	3.32	2.76	149	0.0089	0.00085
LB-6S (Dup)	LB-031825-02-DUP	03/18/25	3.35	2.74	147	0.0108	0.00067
LB-6S	LB-072825-03-6S	07/28/25	3.15	1.32	147	0.0095	0.00053
LB-10DR	LB-021821-01-10DR	02/18/21	7.25	3.79	200	0.021 L	0.0011 L
LB-10DR	LB-021522-07-10DR	02/15/22	6.26	3.17	185	0.029	0.0045
LB-10DR	LB-032023-03-10DR	03/20/23	10.1	2.36	221	0.026	0.0013
LB-10DR	LB-021224-03-10DR	02/12/24	9.04	2.52	244	0.219	0.0074
LB-10DR	LB-032625-02-10DR	03/26/25	12.5	2.31	228	0.003	0.00056
LB-10SR	LB-021821-03-10SR	02/18/21	6.55	6.34	206	0.021 L	0.0011 L
LB-10SR	LB-081021-02-10SR	08/10/21	5.65	**15.2**	235	0.021 L	0.003
LB-10SR	LB-021522-08-10SR	02/15/22	6.04	5.95	165	0.064	0.0014
LB-10SR	LB-072622-05-10SR	07/26/22	3.75	3.20	131	0.022	0.0011 L
LB-10SR	LB-032023-05-10SR	03/20/23	3.47	2.45	130	0.023	0.0011 L
LB-10SR	LB-032023-06-DUP1	03/20/23	3.54	2.47	129	0.021 L	0.0011 L
LB-10SR	LB-072623-03-10SR	07/26/23	6.28	2.44	181	0.025	0.0011 L
LB-10SR	LB-072623-04-DUP	07/26/23	6.38	2.39	182	0.024	0.0011 L
LB-10SR	LB-021224-05-10SR	02/12/24	9.15	1.53	222	0.042 L	0.0011 L
LB-10SR	LB-021224-06-DUP1	02/12/24	9.09	1.53	221	0.042 L	0.0011 L
LB-10SR	LB-080724-06-10SR	08/07/24	14.8	0.89	236	0.0369	0.00103
LB-10SR	LB-032625-01-10SR	03/26/25	18.2	0.69	256	0.002 L	0.00096
LB-10SR	LB-072925-03-10SR	07/29/25	19.2	1.47	242	0.0026	0.00043

Table B-3 Inorganic Parameters
Closed Leichner Landfill, Vancouver, Washington

Location	Sample Number	Date	Chloride (mg/L)	Nitrate as Nitrogen (mg/L)	Total Dissolved Solids (mg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (mg/L)
Compliance Level (mg/L)			250	10	500	0.3	0.05
LB-13D	LB-021721-02-13D	02/17/21	5.05	4.78	179	0.021 L	0.0011 L
LB-13D	LB-021622-03-13D	02/16/22	5.03	4.40	173	0.024	0.0011 L
LB-13D	LB-032123-07-13D	03/21/23	5.04	4.58	174	0.021 L	0.0011 L
LB-13D	LB-021324-07-13D	02/13/24	4.63	4.4	167	0.042 L	0.0011 L
LB-13D	LB-031925-06-13D	03/19/25	5.1	4.66	181	0.004 L	0.0004 L
LB-13I	LB-022321-01-13I	02/23/21	12.90	4.87	199	0.021 L	0.0029
LB-13I	LB-080921-03-13I	08/09/21	6.85	5.13	199	0.021 L	0.0019
LB-13I (Dup)	LB-080921-04-Dup	08/09/21	6.82	5.15	191	0.021 L	0.0014
LB-13I	LB-021622-04-13I	02/16/22	6.20	3.84	194	0.026	0.0062
LB-13I	LB-072522-04-13I	07/25/22	6.21	4.10	192	0.021	0.0063
LB-13I	LB-032123-05-13I	03/21/23	5.60	3.58	189	0.021 L	0.0042
LB-13I	LB-072523-03-13I	07/25/23	5.90	3.50	190	0.021 L	0.0026
LB-13I	LB-021324-10-13I	02/13/24	6.25	3.61	188	0.042 L	0.0034
LB-13I	LB-080624-03-13I	08/06/24	7.29	3.47	186	0.011	0.00104
LB-13I	LB-080624-04-DUP	08/06/24	7.34	3.49	185	0.0122	0.00103
LB-13I	LB-031925-08-13I	03/19/25	7.37	3.83	194	0.004 L	0.0004 L
LB-13I	LB-072825-05-13I	07/28/25	7.87	4.33	204	0.0041	0.00118
LB-17D	LB-021821-09-17D	02/18/21	11.60	0.20 L	200	0.11	**4.06**
LB-17D	LB-021422-04-17D	02/14/22	6.25	1.61	171	0.30	**3.58**
LB-17D	LB-032123-10-17D	03/21/23	7.40	0.10 L	183	0.12	**3.82**
LB-17D	LB-021324-02-17D	02/13/24	8.33	0.10 L	179	**0.32**	**3.86**
LB-17D	LB-031925-03-17D	03/19/25	9.13	0.10 L	182	0.11	**4.09**
LB-17I	LB-021921-03-17I	02/19/21	18.00	0.20 L	299	**14.50**	**2.86**
LB-17I	LB-021622-09-17I	02/16/22	10.20	0.10 L	252	**11.00**	**2.41**
LB-17I	LB-032123-11-17I	03/21/23	11.20	0.10 L	218	**9.07**	**2.04**
LB-17I	LB-021324-03-17I	02/13/24	7.49	0.10 L	191	**7.83**	**1.70**
LB-17I	LB-021324-04_DUP1	02/13/24	7.48	0.10 L	191	**7.85**	**1.70**
LB-17I	LB-031925-04-17I	03/19/25	8.90	0.10 L	182	**6.42**	**1.47**
LB-17S	LB-17S	08/06/24	10.8	**13.1**	304	0.0403	0.0011 L
LB-17S	LB-031925-01-17S	03/19/25	7.99	7.97	248	0.0282	0.00111
LB-17S	LB-031925-02-DUP2	03/19/25	7.95	8.07	245	0.028	0.00108
LB-17S	LB-072925-01	07/29/25	7.56	7.71	242	0.002 L	0.00026
LB-20S	LB-021522-04-20S	02/15/22	4.65	0.1 L	242	0.03	0.0779
LB-20S	LB-052522-02-20S	05/25/22	24.8	0.1 L	NT	NT	NT
LB-20S	LB-072622-01-20S	07/26/22	43.8	0.1 L	302	0.04	**0.445**
LB-20S	LB-032123-01-20S	03/21/23	18.4	0.1 L	321	**1.46**	**1.75**
LB-20S	LB-021424-05-20S	02/14/24	28.4	0.1 L	257	0.085	**0.652**
LB-20S	LB-021424-06-DUP1	02/14/24	28.9	0.1 L	257	0.096	**0.651**
LB-20S	LB-032025-04-20S	03/20/25	5.91	0.28	191	0.0078	**0.270**

Table B-3 Inorganic Parameters
Closed Leichner Landfill, Vancouver, Washington

Location	Sample Number	Date	Chloride (mg/L)	Nitrate as Nitrogen (mg/L)	Total Dissolved Solids (mg/L)	Dissolved Iron (mg/L)	Dissolved Manganese (mg/L)
Compliance Level (mg/L)			250	10	500	0.3	0.05
LB-26D	LB-021721-03-26D	02/17/21	6.21	5.55	197	0.021 L	0.0011 L
LB-26D	LB-021622-07-26D	02/16/22	5.54	4.52	175	0.027	0.0011 L
LB-26D	LB-032123-08-26D	03/21/23	5.01	4.45	180	0.021 L	0.0011 L
LB-26D	LB-021324-05-26D	02/13/24	4.68	4.21	165	0.042 L	0.0011 L
LB-26D	LB-032625-05-26D	03/26/25	6.56	4.95	179	0.0025	0.0002 L
LB-26I	LB-022321-02-26I	02/23/21	8.15	4.74	182	0.021 L	0.0041
LB-26I	LB-081021-04-26I	08/10/21	6.81	4.49	191	0.021 L	0.0035
LB-26I	LB-021622-06-26I	02/16/22	5.82	4.25	186	0.024	0.0011 L
LB-26I	LB-072522-05-26I	07/25/22	6.68	3.65	194	0.021 L	0.0058
LB-26I	LB-032223-02-26I	03/22/23	5.28	4.25	172	0.021 L	0.0011 L
LB-26I	LB-072523-04-26I	07/25/23	5.05	4.20	181	0.021 L	0.0011 L
LB-26I	LB-021424-03-26I	02/14/24	5.40	4.03	184	0.042 L	0.003
LB-26I	LB-080724-01-26I	08/07/24	5.52	3.88	188	0.0098	0.00206
LB-26I	LB-032625-06-26I	03/26/25	5.79	4.32	174	0.0033	0.00029
LB-26I	LB-072825-04-26I	07/28/25	7.64	3.77	197	0.002 L	0.00578
LB-27D	LB-021721-01-27D	02/17/21	7.21	3.89	207	0.021 L	0.0011 L
LB-27D	LB-021622-01-27D	02/16/22	7.29	3.82	205	0.035	0.0011 L
LB-27D	LB-032123-06-27D	03/21/23	7.2	4.17	195	0.021 L	0.0011
LB-27D	LB-021324-08-27D	02/13/24	6.9	4.27	196	0.042 L	0.0011 L
LB-27D	LB-031925-05-27D	03/26/25	6.73	4.29	206	0.0042	0.00083
LB-27I	LB-021921-04-27I	02/19/21	4.98	1.35	176	0.021 L	0.0791
LB-27I (Dup)	LB-021921-05-DUP2	02/19/21	5.06	1.36	181	0.021 L	0.0821
LB-27I	LB-080921-02-27I	08/09/21	6.38	3.06	177	0.021 L	0.0112
LB-27I	LB-021622-02-27I	02/16/22	5.77	2.48	176	0.029	0.0081
LB-27I	LB-072522-03-27I	07/25/22	2.65	1.33	205	0.044	0.0259
LB-27I	LB-032123-03-27I	03/21/23	9.42	1.69	232	0.021 L	0.0431
LB-27I (Dup)	LB-032123-04-DUP2	03/21/23	9.41	1.66	231	0.021 L	0.0483
LB-27I	LB-072523-02-27I	07/25/23	12.1	1.12	273	0.033	**0.118**
LB-27I	LB-021324-09-27I	02/13/24	7.00	2.37	260	0.042 L	**0.128**
LB-27I	LB-080624-02-27I	08/06/24	13.60	0.1 L	258	0.0198	**0.137**
LB-27I	LB-032625-07-27I	03/26/25	8.75	1.15	329	0.002 L	**0.258**
LB-27I	LB-072925-04-27I	07/29/25	20.3	0.21	320	0.002 L	**0.198**
LB-27I (Dup)	LB-072925-04-27I	07/29/25	20.1	0.21	317	0.002 L	**0.199**

Notes:

CL = compliance level for inorganic parameters and metals in groundwater at Leichner Landfill.

mg/L = milligrams per liter; L = not detected at or above MRL; NT = not tested.

B = estimated concentration; detected above the method detection limit (MDL) but below the method reporting limit (MRL)

J = estimated concentration

H = due to laboratory error, sample was extracted and analyzed past the recommended 7-day hold time

0.118 **Bolded** = concentration is above the compliance level

APPENDIX C

2025 Laboratory Analytical Data Reports

First Quarter (March) 2025 Laboratory Reports

March 26, 2025 Service Request No:K2502863

Barbara Lary
SCS Engineers
15940 SW 72nd Ave
Portland, OR 97224

Laboratory Results for: Leichner Landfill

Dear Barbara,

Enclosed are the results of the sample(s) submitted to our laboratory March 19, 2025
For your reference, these analyses have been assigned our service request number **K2502863.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3376. You may also contact me via email at Mark.Harris@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Mark Harris
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: SCS Engineers
Project: Leichner Landfill
Sample Matrix: Ground Water

Service Request: K2502863
Date Received: 03/19/2025

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Six ground water samples were received for analysis at ALS Environmental on 03/19/2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

Method 300.0, 03/21/2025:The analysis of samples in this delivery group for Nitrate as Nitrogen was initially performed within the recommended holding time. Due to instrument QC failures the samples required reanalysis. The reanalysis was performed 1 day past the recommended holding time. The results from the second analysis were reported.

Volatiles by GC/MS:

Method 8260C, 03/20/2025:Several analytes were flagged as outside the control criterion for Continuing Calibration Verification (CCV) KQ2504816-02. In accordance with the EPA Method, 80% or more of the CCV analytes must pass within 20% of the true value. The ALS SOP allows for 40% difference for the remaining analytes. The CCV met these criteria. The quality of the sample data was not significantly affected. No further corrective action was required.

Method 8260C, 03/20/2025:The upper control criterion was exceeded for Carbon Tetrachloride in Continuing Calibration Verification (CCV) KQ2504816-02. The field samples analyzed in this sequence did not contain the analyte in question. Since the apparent problem indicated a potential high bias, the data quality was not affected. No further corrective action was required.

Method 8260C, 03/20/2025:The advisory criterion was exceeded for Dichlorodifluoromethane in replicate Laboratory Control Samples (LCS/DLCS) KQ2504816-03/-04. As per the ALS/Kelso Standard Operating Procedure (SOP) for this method, these compounds are not included in the subset of analytes used to control the analysis. The recovery information reported for these analytes is for advisory purposes. No further corrective action was required.

Approved by _____ Date 03/26/2025

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: LB-031825-04-FB1			Lab ID: K2502863-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Bromodichloromethane	1.7			0.50	ug/L	8260C
Chloroform	17			0.50	ug/L	8260C

CLIENT ID: LB-031825-01-6S			Lab ID: K2502863-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	3.32			0.20	mg/L	300.0
Iron, Dissolved	8.9			4.0	ug/L	6020B
Manganese, Dissolved	0.85			0.40	ug/L	6020B
Nitrate as Nitrogen	2.76			0.10	mg/L	300.0
Solids, Total Dissolved	149			10	mg/L	SM 2540 C

CLIENT ID: LB-031825-02-DUP1			Lab ID: K2502863-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	3.35			0.20	mg/L	300.0
Iron, Dissolved	10.8			4.0	ug/L	6020B
Manganese, Dissolved	0.67			0.40	ug/L	6020B
Nitrate as Nitrogen	2.74			0.10	mg/L	300.0
Solids, Total Dissolved	147			10	mg/L	SM 2540 C

CLIENT ID: LB-031825-03-5S			Lab ID: K2502863-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	5.19			0.20	mg/L	300.0
Iron, Dissolved	35.3			4.0	ug/L	6020B
Manganese, Dissolved	1.16			0.40	ug/L	6020B
Nitrate as Nitrogen	4.54			0.10	mg/L	300.0
Solids, Total Dissolved	147			10	mg/L	SM 2540 C

CLIENT ID: LB-031825-05-5D			Lab ID: K2502863-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	7.30			0.20	mg/L	300.0
Iron, Dissolved	13.0			4.0	ug/L	6020B
Manganese, Dissolved	2.16			0.40	ug/L	6020B
Nitrate as Nitrogen	1.50			0.10	mg/L	300.0
Solids, Total Dissolved	213			10	mg/L	SM 2540 C

Sample Receipt Information

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: SCS Engineers **Service Request:**K2502863

Project: Leichner Landfill/04225030.13

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
K2502863-001	LB-031825-01-6S	3/18/2025	1245
K2502863-002	LB-031825-02-DUP1	3/18/2025	1255
K2502863-003	LB-031825-03-5S	3/18/2025	1430
K2502863-004	LB-031825-04-FB1	3/18/2025	1530
K2502863-005	LB-031825-05-5D	3/18/2025	1612
K2502863-006	TB1	3/18/2025	0800

CHAIN OF CUSTODY

1317 South 13th Ave., Kelso, WA 98626 | +1 360 577 7222 | +1 800 695 7222 | +1 360 636 1068 (fax)

PAGE 1 OF 1 SR# KJS0 1813 COC#

PROJECT NAME: Leichner Landfill
PROJECT NUMBER: 04225030.13
PROJECT MANAGER: Barb Lary
COMPANY NAME: SCS Engineers
ADDRESS: 15940 SW 72nd Ave
CITY/STATE/ZIP: Portland OR 97224
E-MAIL ADDRESS: Blary@scsengineers.com
PHONE #: 971-284-1297 FAX #:
SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625☐ 8270☐ SIM PAH☐	Volatile Organics: 624☐ 8260☒ 8270LL☐ 8021☐ BTEX☐	Hydrocarbons (*see below) Gas☐ Diesel☐ Oil☐	Oil & Grease/TRPH 1664 HEM☐ 1664 SGT☐	PCBs Aroclors☐ Congeners☐	Pesticides/Herbicides 608☐ 8081☐ 8141☐ 8151☐	Chlorophenolics - 8151M Tri☐ Tetra☐ PCP☐	Metals, Total or Dissolved (See List below)	Cyanide☐ Hex-Chrom☐	(circle) pH, Cond, (Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, TSS, TDS, Turb.	(circle) NH_3-N, COD, TKN, TOC, DOC, NO_2+NO_3, T-Phos	TOX 9020☐ AOX 1650☐ 506☐	Alkalinity☐ CO_3☐ HCO_3☐	Dioxins/Furans 1613☐ 8290☐	Dissolved Gases CO_2☐ RSK 175☐ Methane☐ Ethane☐ Ethene☐			REMARKS
LB-031825-01-GS	03/18/25	1245		W	5		X						X		X									NO_3
LB-031825-02-DUP	03/18/25	1255		W	5		X						X		X									Short
LB-031825-03-GS	03/18/25	1430		W	5		X						X		X									Hold
LB-031825-04-PBI	03/18/25	1530		W	5		X						X		X									
LB-031825-05-SD	03/18/25	1612		W	5		X						X		X									
TB1	03/18/25	0800		W	2		X																	

REPORT REQUIREMENTS

___ I. Routine Report: Method Blank, Surrogate, as required
___ II. Report Dup., MS, MSD as required
___ III. CLP Like Summary (no raw data)
___ IV. Data Validation Report
___ V. EDD

INVOICE INFORMATION

P.O. #
Bill To:

TURNAROUND REQUIREMENTS

___ 24 hr. ___ 48 hr.
___ 5 day
___ Standard (15 working days)
___ Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu (Fe) Pb Mg (Mn) Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER: _____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:

Container Supply Number

142705

☐ Sample Shipment contains USDA regulated soil samples (check box if applicable)

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature	Signature	Signature	Signature
03/19/25 0630	3/19/25 1030	3/19/25 1250	3/19/25 1250
Date/Time	Date/Time	Date/Time	Date/Time
Printed Name	Printed Name	Printed Name	Printed Name
Firm	Firm	Firm	Firm

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Cooler Receipt and Preservation Form

PM Mark

Client SCS Engineers Service Request K25 07863

Received: 3/19/25 Opened: 3/19/25 By: pdp Unloaded: 3/19/25 By: pdp

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? 1 Front
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / NA	Out of temp indicate with "X"	PM Notified If out of temp	Tracking Number NA	Filed
4.4	5.2	IR01					

4. Was a Temperature Blank present in cooler? NA Y N If yes, notate the temperature in the appropriate column below:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA Y N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. NA Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Were samples received in good condition (unbroken) NA Y N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA Y N
10. Did all sample labels and tags agree with custody papers? NA Y N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
14. Was C12/Res negative? NA Y N
15. Were samples received within method specified time limit? If not, notate the error below and notify the PM. NA Y N
16. Were 100mL sterile microbiology bottles filled exactly to the 100mL mark? NA Y N Underfilled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

SHORT HOLD

Notes, Discrepancies, Resolutions: _____

Miscellaneous Forms

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value over the calibration range.
J	The result is an estimated value between the MDL and the MRL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13		

Sample Name:	LB-031825-01-6S	**Date Collected:**	03/18/25
Lab Code:	K2502863-001	**Date Received:**	03/19/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-031825-01-6S	**Date Collected:**	03/18/25
Lab Code:	K2502863-001.R01	**Date Received:**	03/19/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON

Sample Name:	LB-031825-02-DUP1	**Date Collected:**	03/18/25
Lab Code:	K2502863-002	**Date Received:**	03/19/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-031825-02-DUP1	**Date Collected:**	03/18/25
Lab Code:	K2502863-002.R01	**Date Received:**	03/19/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13		

Sample Name:	LB-031825-03-5S	**Date Collected:**	03/18/25
Lab Code:	K2502863-003	**Date Received:**	03/19/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-031825-03-5S	**Date Collected:**	03/18/25
Lab Code:	K2502863-003.R01	**Date Received:**	03/19/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON

Sample Name:	LB-031825-04-FB1	**Date Collected:**	03/18/25
Lab Code:	K2502863-004	**Date Received:**	03/19/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-031825-04-FB1	**Date Collected:**	03/18/25
Lab Code:	K2502863-004.R01	**Date Received:**	03/19/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13		

Sample Name:	LB-031825-05-5D	**Date Collected:**	03/18/25
Lab Code:	K2502863-005	**Date Received:**	03/19/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-031825-05-5D	**Date Collected:**	03/18/25
Lab Code:	K2502863-005.R01	**Date Received:**	03/19/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON

Sample Name:	TB1	**Date Collected:**	03/18/25
Lab Code:	K2502863-006	**Date Received:**	03/19/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Results

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 12:45
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-01-6S	**Units:**	ug/L
Lab Code:	K2502863-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/20/25 14:46	*
Benzene	ND U	0.50	1	03/20/25 14:46	
Bromobenzene	ND U	2.0	1	03/20/25 14:46	
Bromochloromethane	ND U	0.50	1	03/20/25 14:46	*
Bromodichloromethane	ND U	0.50	1	03/20/25 14:46	
Bromoform	ND U	0.50	1	03/20/25 14:46	
Bromomethane	ND U	0.50	1	03/20/25 14:46	*
2-Butanone (MEK)	ND U	20	1	03/20/25 14:46	
n-Butylbenzene	ND U	4.0	1	03/20/25 14:46	
sec-Butylbenzene	ND U	2.0	1	03/20/25 14:46	
tert-Butylbenzene	ND U	2.0	1	03/20/25 14:46	
Carbon Disulfide	ND U	0.50	1	03/20/25 14:46	
Carbon Tetrachloride	ND U	0.50	1	03/20/25 14:46	*
Chlorobenzene	ND U	0.50	1	03/20/25 14:46	
Chloroethane	ND U	0.50	1	03/20/25 14:46	
Chloroform	ND U	0.50	1	03/20/25 14:46	*
Chloromethane	ND U	0.50	1	03/20/25 14:46	
2-Chlorotoluene	ND U	2.0	1	03/20/25 14:46	
4-Chlorotoluene	ND U	2.0	1	03/20/25 14:46	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/20/25 14:46	
Dibromochloromethane	ND U	0.50	1	03/20/25 14:46	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/20/25 14:46	
Dibromomethane	ND U	0.50	1	03/20/25 14:46	
1,2-Dichlorobenzene	ND U	0.50	1	03/20/25 14:46	
1,3-Dichlorobenzene	ND U	0.50	1	03/20/25 14:46	
1,4-Dichlorobenzene	ND U	0.50	1	03/20/25 14:46	
Dichlorodifluoromethane	ND U	0.50	1	03/20/25 14:46	*
1,1-Dichloroethane	ND U	0.50	1	03/20/25 14:46	
cis-1,2-Dichloroethene	ND U	0.50	1	03/20/25 14:46	
trans-1,2-Dichloroethene	ND U	0.50	1	03/20/25 14:46	
1,2-Dichloropropane	ND U	0.50	1	03/20/25 14:46	
1,3-Dichloropropane	ND U	0.50	1	03/20/25 14:46	
2,2-Dichloropropane	ND U	0.50	1	03/20/25 14:46	*
1,1-Dichloropropene	ND U	0.50	1	03/20/25 14:46	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/20/25 14:46	
trans-1,3-Dichloropropene	ND U	0.50	1	03/20/25 14:46	
Ethylbenzene	ND U	0.50	1	03/20/25 14:46	
Hexachlorobutadiene	ND U	2.0	1	03/20/25 14:46	
2-Hexanone	ND U	20	1	03/20/25 14:46	
Isopropylbenzene	ND U	2.0	1	03/20/25 14:46	
4-Isopropyltoluene	ND U	2.0	1	03/20/25 14:46	

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 12:45
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-01-6S	**Units:**	ug/L
Lab Code:	K2502863-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/20/25 14:46	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/20/25 14:46	
Methylene Chloride	ND U	2.0	1	03/20/25 14:46	
Naphthalene	ND U	2.0	1	03/20/25 14:46	
n-Propylbenzene	ND U	2.0	1	03/20/25 14:46	
Styrene	ND U	0.50	1	03/20/25 14:46	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/20/25 14:46	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/20/25 14:46	
Tetrachloroethene (PCE)	ND U	0.50	1	03/20/25 14:46	
Toluene	ND U	0.50	1	03/20/25 14:46	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/20/25 14:46	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/20/25 14:46	
1,1,2-Trichloroethane	ND U	0.50	1	03/20/25 14:46	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/20/25 14:46	*
Trichloroethene (TCE)	ND U	0.50	1	03/20/25 14:46	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/20/25 14:46	*
1,2,3-Trichloropropane	ND U	0.50	1	03/20/25 14:46	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/20/25 14:46	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/20/25 14:46	
Vinyl Chloride	ND U	0.50	1	03/20/25 14:46	
o-Xylene	ND U	0.50	1	03/20/25 14:46	
m,p-Xylenes	ND U	0.50	1	03/20/25 14:46	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	108	68 - 117	03/20/25 14:46	
Dibromofluoromethane	113	73 - 122	03/20/25 14:46	
Toluene-d8	108	65 - 144	03/20/25 14:46	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 12:55
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-02-DUP1	**Units:**	ug/L
Lab Code:	K2502863-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/20/25 15:11	*
Benzene	ND U	0.50	1	03/20/25 15:11	
Bromobenzene	ND U	2.0	1	03/20/25 15:11	
Bromochloromethane	ND U	0.50	1	03/20/25 15:11	*
Bromodichloromethane	ND U	0.50	1	03/20/25 15:11	
Bromoform	ND U	0.50	1	03/20/25 15:11	
Bromomethane	ND U	0.50	1	03/20/25 15:11	*
2-Butanone (MEK)	ND U	20	1	03/20/25 15:11	
n-Butylbenzene	ND U	4.0	1	03/20/25 15:11	
sec-Butylbenzene	ND U	2.0	1	03/20/25 15:11	
tert-Butylbenzene	ND U	2.0	1	03/20/25 15:11	
Carbon Disulfide	ND U	0.50	1	03/20/25 15:11	
Carbon Tetrachloride	ND U	0.50	1	03/20/25 15:11	*
Chlorobenzene	ND U	0.50	1	03/20/25 15:11	
Chloroethane	ND U	0.50	1	03/20/25 15:11	
Chloroform	ND U	0.50	1	03/20/25 15:11	*
Chloromethane	ND U	0.50	1	03/20/25 15:11	
2-Chlorotoluene	ND U	2.0	1	03/20/25 15:11	
4-Chlorotoluene	ND U	2.0	1	03/20/25 15:11	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/20/25 15:11	
Dibromochloromethane	ND U	0.50	1	03/20/25 15:11	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/20/25 15:11	
Dibromomethane	ND U	0.50	1	03/20/25 15:11	
1,2-Dichlorobenzene	ND U	0.50	1	03/20/25 15:11	
1,3-Dichlorobenzene	ND U	0.50	1	03/20/25 15:11	
1,4-Dichlorobenzene	ND U	0.50	1	03/20/25 15:11	
Dichlorodifluoromethane	ND U	0.50	1	03/20/25 15:11	*
1,1-Dichloroethane	ND U	0.50	1	03/20/25 15:11	
cis-1,2-Dichloroethene	ND U	0.50	1	03/20/25 15:11	
trans-1,2-Dichloroethene	ND U	0.50	1	03/20/25 15:11	
1,2-Dichloropropane	ND U	0.50	1	03/20/25 15:11	
1,3-Dichloropropane	ND U	0.50	1	03/20/25 15:11	
2,2-Dichloropropane	ND U	0.50	1	03/20/25 15:11	*
1,1-Dichloropropene	ND U	0.50	1	03/20/25 15:11	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/20/25 15:11	
trans-1,3-Dichloropropene	ND U	0.50	1	03/20/25 15:11	
Ethylbenzene	ND U	0.50	1	03/20/25 15:11	
Hexachlorobutadiene	ND U	2.0	1	03/20/25 15:11	
2-Hexanone	ND U	20	1	03/20/25 15:11	
Isopropylbenzene	ND U	2.0	1	03/20/25 15:11	
4-Isopropyltoluene	ND U	2.0	1	03/20/25 15:11	

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 12:55
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-02-DUP1	**Units:**	ug/L
Lab Code:	K2502863-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/20/25 15:11	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/20/25 15:11	
Methylene Chloride	ND U	2.0	1	03/20/25 15:11	
Naphthalene	ND U	2.0	1	03/20/25 15:11	
n-Propylbenzene	ND U	2.0	1	03/20/25 15:11	
Styrene	ND U	0.50	1	03/20/25 15:11	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/20/25 15:11	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/20/25 15:11	
Tetrachloroethene (PCE)	ND U	0.50	1	03/20/25 15:11	
Toluene	ND U	0.50	1	03/20/25 15:11	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/20/25 15:11	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/20/25 15:11	
1,1,2-Trichloroethane	ND U	0.50	1	03/20/25 15:11	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/20/25 15:11	*
Trichloroethene (TCE)	ND U	0.50	1	03/20/25 15:11	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/20/25 15:11	*
1,2,3-Trichloropropane	ND U	0.50	1	03/20/25 15:11	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/20/25 15:11	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/20/25 15:11	
Vinyl Chloride	ND U	0.50	1	03/20/25 15:11	
o-Xylene	ND U	0.50	1	03/20/25 15:11	
m,p-Xylenes	ND U	0.50	1	03/20/25 15:11	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	108	68 - 117	03/20/25 15:11	
Dibromofluoromethane	117	73 - 122	03/20/25 15:11	
Toluene-d8	112	65 - 144	03/20/25 15:11	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 14:30
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-03-5S	**Units:**	ug/L
Lab Code:	K2502863-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/20/25 15:36	*
Benzene	ND U	0.50	1	03/20/25 15:36	
Bromobenzene	ND U	2.0	1	03/20/25 15:36	
Bromochloromethane	ND U	0.50	1	03/20/25 15:36	*
Bromodichloromethane	ND U	0.50	1	03/20/25 15:36	
Bromoform	ND U	0.50	1	03/20/25 15:36	
Bromomethane	ND U	0.50	1	03/20/25 15:36	*
2-Butanone (MEK)	ND U	20	1	03/20/25 15:36	
n-Butylbenzene	ND U	4.0	1	03/20/25 15:36	
sec-Butylbenzene	ND U	2.0	1	03/20/25 15:36	
tert-Butylbenzene	ND U	2.0	1	03/20/25 15:36	
Carbon Disulfide	ND U	0.50	1	03/20/25 15:36	
Carbon Tetrachloride	ND U	0.50	1	03/20/25 15:36	*
Chlorobenzene	ND U	0.50	1	03/20/25 15:36	
Chloroethane	ND U	0.50	1	03/20/25 15:36	
Chloroform	ND U	0.50	1	03/20/25 15:36	*
Chloromethane	ND U	0.50	1	03/20/25 15:36	
2-Chlorotoluene	ND U	2.0	1	03/20/25 15:36	
4-Chlorotoluene	ND U	2.0	1	03/20/25 15:36	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/20/25 15:36	
Dibromochloromethane	ND U	0.50	1	03/20/25 15:36	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/20/25 15:36	
Dibromomethane	ND U	0.50	1	03/20/25 15:36	
1,2-Dichlorobenzene	ND U	0.50	1	03/20/25 15:36	
1,3-Dichlorobenzene	ND U	0.50	1	03/20/25 15:36	
1,4-Dichlorobenzene	ND U	0.50	1	03/20/25 15:36	
Dichlorodifluoromethane	ND U	0.50	1	03/20/25 15:36	*
1,1-Dichloroethane	ND U	0.50	1	03/20/25 15:36	
cis-1,2-Dichloroethene	ND U	0.50	1	03/20/25 15:36	
trans-1,2-Dichloroethene	ND U	0.50	1	03/20/25 15:36	
1,2-Dichloropropane	ND U	0.50	1	03/20/25 15:36	
1,3-Dichloropropane	ND U	0.50	1	03/20/25 15:36	
2,2-Dichloropropane	ND U	0.50	1	03/20/25 15:36	*
1,1-Dichloropropene	ND U	0.50	1	03/20/25 15:36	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/20/25 15:36	
trans-1,3-Dichloropropene	ND U	0.50	1	03/20/25 15:36	
Ethylbenzene	ND U	0.50	1	03/20/25 15:36	
Hexachlorobutadiene	ND U	2.0	1	03/20/25 15:36	
2-Hexanone	ND U	20	1	03/20/25 15:36	
Isopropylbenzene	ND U	2.0	1	03/20/25 15:36	
4-Isopropyltoluene	ND U	2.0	1	03/20/25 15:36	

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 14:30
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-03-5S	**Units:**	ug/L
Lab Code:	K2502863-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/20/25 15:36	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/20/25 15:36	
Methylene Chloride	ND U	2.0	1	03/20/25 15:36	
Naphthalene	ND U	2.0	1	03/20/25 15:36	
n-Propylbenzene	ND U	2.0	1	03/20/25 15:36	
Styrene	ND U	0.50	1	03/20/25 15:36	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/20/25 15:36	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/20/25 15:36	
Tetrachloroethene (PCE)	ND U	0.50	1	03/20/25 15:36	
Toluene	ND U	0.50	1	03/20/25 15:36	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/20/25 15:36	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/20/25 15:36	
1,1,2-Trichloroethane	ND U	0.50	1	03/20/25 15:36	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/20/25 15:36	*
Trichloroethene (TCE)	ND U	0.50	1	03/20/25 15:36	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/20/25 15:36	*
1,2,3-Trichloropropane	ND U	0.50	1	03/20/25 15:36	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/20/25 15:36	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/20/25 15:36	
Vinyl Chloride	ND U	0.50	1	03/20/25 15:36	
o-Xylene	ND U	0.50	1	03/20/25 15:36	
m,p-Xylenes	ND U	0.50	1	03/20/25 15:36	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	106	68 - 117	03/20/25 15:36	
Dibromofluoromethane	110	73 - 122	03/20/25 15:36	
Toluene-d8	110	65 - 144	03/20/25 15:36	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 15:30
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-04-FB1	**Units:**	ug/L
Lab Code:	K2502863-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
Acetone	ND	U	20	1	03/20/25 16:00	*
Benzene	ND	U	0.50	1	03/20/25 16:00	
Bromobenzene	ND	U	2.0	1	03/20/25 16:00	
Bromochloromethane	ND	U	0.50	1	03/20/25 16:00	*
Bromodichloromethane	**1.7**		0.50	1	03/20/25 16:00	
Bromoform	ND	U	0.50	1	03/20/25 16:00	
Bromomethane	ND	U	0.50	1	03/20/25 16:00	*
2-Butanone (MEK)	ND	U	20	1	03/20/25 16:00	
n-Butylbenzene	ND	U	4.0	1	03/20/25 16:00	
sec-Butylbenzene	ND	U	2.0	1	03/20/25 16:00	
tert-Butylbenzene	ND	U	2.0	1	03/20/25 16:00	
Carbon Disulfide	ND	U	0.50	1	03/20/25 16:00	
Carbon Tetrachloride	ND	U	0.50	1	03/20/25 16:00	*
Chlorobenzene	ND	U	0.50	1	03/20/25 16:00	
Chloroethane	ND	U	0.50	1	03/20/25 16:00	
Chloroform	**17**		0.50	1	03/20/25 16:00	*
Chloromethane	ND	U	0.50	1	03/20/25 16:00	
2-Chlorotoluene	ND	U	2.0	1	03/20/25 16:00	
4-Chlorotoluene	ND	U	2.0	1	03/20/25 16:00	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	03/20/25 16:00	
Dibromochloromethane	ND	U	0.50	1	03/20/25 16:00	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	03/20/25 16:00	
Dibromomethane	ND	U	0.50	1	03/20/25 16:00	
1,2-Dichlorobenzene	ND	U	0.50	1	03/20/25 16:00	
1,3-Dichlorobenzene	ND	U	0.50	1	03/20/25 16:00	
1,4-Dichlorobenzene	ND	U	0.50	1	03/20/25 16:00	
Dichlorodifluoromethane	ND	U	0.50	1	03/20/25 16:00	*
1,1-Dichloroethane	ND	U	0.50	1	03/20/25 16:00	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/20/25 16:00	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/20/25 16:00	
1,2-Dichloropropane	ND	U	0.50	1	03/20/25 16:00	
1,3-Dichloropropane	ND	U	0.50	1	03/20/25 16:00	
2,2-Dichloropropane	ND	U	0.50	1	03/20/25 16:00	*
1,1-Dichloropropene	ND	U	0.50	1	03/20/25 16:00	*
cis-1,3-Dichloropropene	ND	U	0.50	1	03/20/25 16:00	
trans-1,3-Dichloropropene	ND	U	0.50	1	03/20/25 16:00	
Ethylbenzene	ND	U	0.50	1	03/20/25 16:00	
Hexachlorobutadiene	ND	U	2.0	1	03/20/25 16:00	
2-Hexanone	ND	U	20	1	03/20/25 16:00	
Isopropylbenzene	ND	U	2.0	1	03/20/25 16:00	
4-Isopropyltoluene	ND	U	2.0	1	03/20/25 16:00	

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 15:30
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-04-FB1	**Units:**	ug/L
Lab Code:	K2502863-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/20/25 16:00	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/20/25 16:00	
Methylene Chloride	ND U	2.0	1	03/20/25 16:00	
Naphthalene	ND U	2.0	1	03/20/25 16:00	
n-Propylbenzene	ND U	2.0	1	03/20/25 16:00	
Styrene	ND U	0.50	1	03/20/25 16:00	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/20/25 16:00	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/20/25 16:00	
Tetrachloroethene (PCE)	ND U	0.50	1	03/20/25 16:00	
Toluene	ND U	0.50	1	03/20/25 16:00	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/20/25 16:00	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/20/25 16:00	
1,1,2-Trichloroethane	ND U	0.50	1	03/20/25 16:00	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/20/25 16:00	*
Trichloroethene (TCE)	ND U	0.50	1	03/20/25 16:00	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/20/25 16:00	*
1,2,3-Trichloropropane	ND U	0.50	1	03/20/25 16:00	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/20/25 16:00	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/20/25 16:00	
Vinyl Chloride	ND U	0.50	1	03/20/25 16:00	
o-Xylene	ND U	0.50	1	03/20/25 16:00	
m,p-Xylenes	ND U	0.50	1	03/20/25 16:00	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	106	68 - 117	03/20/25 16:00	
Dibromofluoromethane	114	73 - 122	03/20/25 16:00	
Toluene-d8	110	65 - 144	03/20/25 16:00	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 16:12
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-05-5D	**Units:**	ug/L
Lab Code:	K2502863-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/20/25 16:25	*
Benzene	ND U	0.50	1	03/20/25 16:25	
Bromobenzene	ND U	2.0	1	03/20/25 16:25	
Bromochloromethane	ND U	0.50	1	03/20/25 16:25	*
Bromodichloromethane	ND U	0.50	1	03/20/25 16:25	
Bromoform	ND U	0.50	1	03/20/25 16:25	
Bromomethane	ND U	0.50	1	03/20/25 16:25	*
2-Butanone (MEK)	ND U	20	1	03/20/25 16:25	
n-Butylbenzene	ND U	4.0	1	03/20/25 16:25	
sec-Butylbenzene	ND U	2.0	1	03/20/25 16:25	
tert-Butylbenzene	ND U	2.0	1	03/20/25 16:25	
Carbon Disulfide	ND U	0.50	1	03/20/25 16:25	
Carbon Tetrachloride	ND U	0.50	1	03/20/25 16:25	*
Chlorobenzene	ND U	0.50	1	03/20/25 16:25	
Chloroethane	ND U	0.50	1	03/20/25 16:25	
Chloroform	ND U	0.50	1	03/20/25 16:25	*
Chloromethane	ND U	0.50	1	03/20/25 16:25	
2-Chlorotoluene	ND U	2.0	1	03/20/25 16:25	
4-Chlorotoluene	ND U	2.0	1	03/20/25 16:25	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/20/25 16:25	
Dibromochloromethane	ND U	0.50	1	03/20/25 16:25	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/20/25 16:25	
Dibromomethane	ND U	0.50	1	03/20/25 16:25	
1,2-Dichlorobenzene	ND U	0.50	1	03/20/25 16:25	
1,3-Dichlorobenzene	ND U	0.50	1	03/20/25 16:25	
1,4-Dichlorobenzene	ND U	0.50	1	03/20/25 16:25	
Dichlorodifluoromethane	ND U	0.50	1	03/20/25 16:25	*
1,1-Dichloroethane	ND U	0.50	1	03/20/25 16:25	
cis-1,2-Dichloroethene	ND U	0.50	1	03/20/25 16:25	
trans-1,2-Dichloroethene	ND U	0.50	1	03/20/25 16:25	
1,2-Dichloropropane	ND U	0.50	1	03/20/25 16:25	
1,3-Dichloropropane	ND U	0.50	1	03/20/25 16:25	
2,2-Dichloropropane	ND U	0.50	1	03/20/25 16:25	*
1,1-Dichloropropene	ND U	0.50	1	03/20/25 16:25	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/20/25 16:25	
trans-1,3-Dichloropropene	ND U	0.50	1	03/20/25 16:25	
Ethylbenzene	ND U	0.50	1	03/20/25 16:25	
Hexachlorobutadiene	ND U	2.0	1	03/20/25 16:25	
2-Hexanone	ND U	20	1	03/20/25 16:25	
Isopropylbenzene	ND U	2.0	1	03/20/25 16:25	
4-Isopropyltoluene	ND U	2.0	1	03/20/25 16:25	

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 16:12
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-05-5D	**Units:**	ug/L
Lab Code:	K2502863-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/20/25 16:25	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/20/25 16:25	
Methylene Chloride	ND U	2.0	1	03/20/25 16:25	
Naphthalene	ND U	2.0	1	03/20/25 16:25	
n-Propylbenzene	ND U	2.0	1	03/20/25 16:25	
Styrene	ND U	0.50	1	03/20/25 16:25	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/20/25 16:25	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/20/25 16:25	
Tetrachloroethene (PCE)	ND U	0.50	1	03/20/25 16:25	
Toluene	ND U	0.50	1	03/20/25 16:25	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/20/25 16:25	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/20/25 16:25	
1,1,2-Trichloroethane	ND U	0.50	1	03/20/25 16:25	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/20/25 16:25	*
Trichloroethene (TCE)	ND U	0.50	1	03/20/25 16:25	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/20/25 16:25	*
1,2,3-Trichloropropane	ND U	0.50	1	03/20/25 16:25	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/20/25 16:25	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/20/25 16:25	
Vinyl Chloride	ND U	0.50	1	03/20/25 16:25	
o-Xylene	ND U	0.50	1	03/20/25 16:25	
m,p-Xylenes	ND U	0.50	1	03/20/25 16:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	108	68 - 117	03/20/25 16:25	
Dibromofluoromethane	119	73 - 122	03/20/25 16:25	
Toluene-d8	109	65 - 144	03/20/25 16:25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 08:00
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	TB1	**Units:**	ug/L
Lab Code:	K2502863-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/20/25 14:21	*
Benzene	ND U	0.50	1	03/20/25 14:21	
Bromobenzene	ND U	2.0	1	03/20/25 14:21	
Bromochloromethane	ND U	0.50	1	03/20/25 14:21	*
Bromodichloromethane	ND U	0.50	1	03/20/25 14:21	
Bromoform	ND U	0.50	1	03/20/25 14:21	
Bromomethane	ND U	0.50	1	03/20/25 14:21	*
2-Butanone (MEK)	ND U	20	1	03/20/25 14:21	
n-Butylbenzene	ND U	4.0	1	03/20/25 14:21	
sec-Butylbenzene	ND U	2.0	1	03/20/25 14:21	
tert-Butylbenzene	ND U	2.0	1	03/20/25 14:21	
Carbon Disulfide	ND U	0.50	1	03/20/25 14:21	
Carbon Tetrachloride	ND U	0.50	1	03/20/25 14:21	*
Chlorobenzene	ND U	0.50	1	03/20/25 14:21	
Chloroethane	ND U	0.50	1	03/20/25 14:21	
Chloroform	ND U	0.50	1	03/20/25 14:21	*
Chloromethane	ND U	0.50	1	03/20/25 14:21	
2-Chlorotoluene	ND U	2.0	1	03/20/25 14:21	
4-Chlorotoluene	ND U	2.0	1	03/20/25 14:21	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/20/25 14:21	
Dibromochloromethane	ND U	0.50	1	03/20/25 14:21	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/20/25 14:21	
Dibromomethane	ND U	0.50	1	03/20/25 14:21	
1,2-Dichlorobenzene	ND U	0.50	1	03/20/25 14:21	
1,3-Dichlorobenzene	ND U	0.50	1	03/20/25 14:21	
1,4-Dichlorobenzene	ND U	0.50	1	03/20/25 14:21	
Dichlorodifluoromethane	ND U	0.50	1	03/20/25 14:21	*
1,1-Dichloroethane	ND U	0.50	1	03/20/25 14:21	
cis-1,2-Dichloroethene	ND U	0.50	1	03/20/25 14:21	
trans-1,2-Dichloroethene	ND U	0.50	1	03/20/25 14:21	
1,2-Dichloropropane	ND U	0.50	1	03/20/25 14:21	
1,3-Dichloropropane	ND U	0.50	1	03/20/25 14:21	
2,2-Dichloropropane	ND U	0.50	1	03/20/25 14:21	*
1,1-Dichloropropene	ND U	0.50	1	03/20/25 14:21	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/20/25 14:21	
trans-1,3-Dichloropropene	ND U	0.50	1	03/20/25 14:21	
Ethylbenzene	ND U	0.50	1	03/20/25 14:21	
Hexachlorobutadiene	ND U	2.0	1	03/20/25 14:21	
2-Hexanone	ND U	20	1	03/20/25 14:21	
Isopropylbenzene	ND U	2.0	1	03/20/25 14:21	
4-Isopropyltoluene	ND U	2.0	1	03/20/25 14:21	

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 08:00
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	TB1	**Units:**	ug/L
Lab Code:	K2502863-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/20/25 14:21	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/20/25 14:21	
Methylene Chloride	ND U	2.0	1	03/20/25 14:21	
Naphthalene	ND U	2.0	1	03/20/25 14:21	
n-Propylbenzene	ND U	2.0	1	03/20/25 14:21	
Styrene	ND U	0.50	1	03/20/25 14:21	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/20/25 14:21	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/20/25 14:21	
Tetrachloroethene (PCE)	ND U	0.50	1	03/20/25 14:21	
Toluene	ND U	0.50	1	03/20/25 14:21	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/20/25 14:21	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/20/25 14:21	
1,1,2-Trichloroethane	ND U	0.50	1	03/20/25 14:21	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/20/25 14:21	*
Trichloroethene (TCE)	ND U	0.50	1	03/20/25 14:21	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/20/25 14:21	*
1,2,3-Trichloropropane	ND U	0.50	1	03/20/25 14:21	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/20/25 14:21	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/20/25 14:21	
Vinyl Chloride	ND U	0.50	1	03/20/25 14:21	
o-Xylene	ND U	0.50	1	03/20/25 14:21	
m,p-Xylenes	ND U	0.50	1	03/20/25 14:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	68 - 117	03/20/25 14:21	
Dibromofluoromethane	115	73 - 122	03/20/25 14:21	
Toluene-d8	108	65 - 144	03/20/25 14:21	

Metals

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 12:45
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-01-6S	**Basis:**	NA
Lab Code:	K2502863-001		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**8.9**	ug/L	4.0	1	03/24/25 12:02	03/21/25	
Manganese	6020B	**0.85**	ug/L	0.40	1	03/24/25 12:02	03/21/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 12:55
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-02-DUP1	**Basis:**	NA
Lab Code:	K2502863-002		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**10.8**	ug/L	4.0	1	03/24/25 12:12	03/21/25	
Manganese	6020B	**0.67**	ug/L	0.40	1	03/24/25 12:12	03/21/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 14:30
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-03-5S	**Basis:**	NA
Lab Code:	K2502863-003		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**35.3**	ug/L	4.0	1	03/24/25 12:14	03/21/25	
Manganese	6020B	**1.16**	ug/L	0.40	1	03/24/25 12:14	03/21/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 15:30
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-04-FB1	**Basis:**	NA
Lab Code:	K2502863-004		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	4.0	1	03/24/25 11:50	03/21/25	
Manganese	6020B	ND U	ug/L	0.40	1	03/24/25 11:50	03/21/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 16:12
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-05-5D	**Basis:**	NA
Lab Code:	K2502863-005		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**13.0**	ug/L	4.0	1	03/24/25 12:16	03/21/25	
Manganese	6020B	**2.16**	ug/L	0.40	1	03/24/25 12:16	03/21/25	

General Chemistry

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 12:45
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-01-6S	**Basis:**	NA
Lab Code:	K2502863-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**3.32**	mg/L	0.20	2	03/21/25 02:08	
Nitrate as Nitrogen	300.0	**2.76**	mg/L	0.10	2	03/21/25 02:08	*

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 12:45
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-01-6S	**Basis:**	NA
Lab Code:	K2502863-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**149**	mg/L	10	1	03/20/25 18:02	

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 12:55
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-02-DUP1	**Basis:**	NA
Lab Code:	K2502863-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**3.35**	mg/L	0.20	2	03/21/25 02:16	
Nitrate as Nitrogen	300.0	**2.74**	mg/L	0.10	2	03/21/25 02:16	*

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 12:55
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-02-DUP1	**Basis:**	NA
Lab Code:	K2502863-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**147**	mg/L	10	1	03/20/25 18:02	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 14:30
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-03-5S	**Basis:**	NA
Lab Code:	K2502863-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**5.19**	mg/L	0.20	2	03/21/25 02:25	
Nitrate as Nitrogen	300.0	**4.54**	mg/L	0.10	2	03/21/25 02:25	*

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 14:30
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-03-5S	**Basis:**	NA
Lab Code:	K2502863-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**147**	mg/L	10	1	03/20/25 18:02	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 15:30
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-04-FB1	**Basis:**	NA
Lab Code:	K2502863-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	03/21/25 02:34	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.050	1	03/21/25 02:34	*

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 15:30
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-04-FB1	**Basis:**	NA
Lab Code:	K2502863-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	03/20/25 18:02	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 16:12
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-05-5D	**Basis:**	NA
Lab Code:	K2502863-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**7.30**	mg/L	0.20	2	03/21/25 02:42	
Nitrate as Nitrogen	300.0	**1.50**	mg/L	0.10	2	03/21/25 02:42	*

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25 16:12
Sample Matrix:	Ground Water	**Date Received:**	03/19/25 12:50
Sample Name:	LB-031825-05-5D	**Basis:**	NA
Lab Code:	K2502863-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**213**	mg/L	10	1	03/20/25 18:02	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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Client: SCS Engineers **Service Request:** K2502863
Project: Leichner Landfill/04225030.13
Sample Matrix: Ground Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: None

Sample Name	Lab Code	4-Bromofluorobenzene 68 - 117	Dibromofluoromethane 73 - 122	Toluene-d8 65 - 144
LB-031825-01-6S	K2502863-001	108	113	108
LB-031825-02-DUP1	K2502863-002	108	117	112
LB-031825-03-5S	K2502863-003	106	110	110
LB-031825-04-FB1	K2502863-004	106	114	110
LB-031825-05-5D	K2502863-005	108	119	109
TB1	K2502863-006	107	115	108
Lab Control Sample	KQ2504816-03	106	110	106
Duplicate Lab Control Sample	KQ2504816-04	113	111	110
Method Blank	KQ2504816-05	105	118	108

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2504816-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/20/25 13:57	
Benzene	ND U	0.50	1	03/20/25 13:57	
Bromobenzene	ND U	2.0	1	03/20/25 13:57	
Bromochloromethane	ND U	0.50	1	03/20/25 13:57	
Bromodichloromethane	ND U	0.50	1	03/20/25 13:57	
Bromoform	ND U	0.50	1	03/20/25 13:57	
Bromomethane	ND U	0.50	1	03/20/25 13:57	
2-Butanone (MEK)	ND U	20	1	03/20/25 13:57	
n-Butylbenzene	ND U	4.0	1	03/20/25 13:57	
sec-Butylbenzene	ND U	2.0	1	03/20/25 13:57	
tert-Butylbenzene	ND U	2.0	1	03/20/25 13:57	
Carbon Disulfide	ND U	0.50	1	03/20/25 13:57	
Carbon Tetrachloride	ND U	0.50	1	03/20/25 13:57	
Chlorobenzene	ND U	0.50	1	03/20/25 13:57	
Chloroethane	ND U	0.50	1	03/20/25 13:57	
Chloroform	ND U	0.50	1	03/20/25 13:57	
Chloromethane	ND U	0.50	1	03/20/25 13:57	
2-Chlorotoluene	ND U	2.0	1	03/20/25 13:57	
4-Chlorotoluene	ND U	2.0	1	03/20/25 13:57	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/20/25 13:57	
Dibromochloromethane	ND U	0.50	1	03/20/25 13:57	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/20/25 13:57	
Dibromomethane	ND U	0.50	1	03/20/25 13:57	
1,2-Dichlorobenzene	ND U	0.50	1	03/20/25 13:57	
1,3-Dichlorobenzene	ND U	0.50	1	03/20/25 13:57	
1,4-Dichlorobenzene	ND U	0.50	1	03/20/25 13:57	
Dichlorodifluoromethane	ND U	0.50	1	03/20/25 13:57	
1,1-Dichloroethane	ND U	0.50	1	03/20/25 13:57	
cis-1,2-Dichloroethene	ND U	0.50	1	03/20/25 13:57	
trans-1,2-Dichloroethene	ND U	0.50	1	03/20/25 13:57	
1,2-Dichloropropane	ND U	0.50	1	03/20/25 13:57	
1,3-Dichloropropane	ND U	0.50	1	03/20/25 13:57	
2,2-Dichloropropane	ND U	0.50	1	03/20/25 13:57	
1,1-Dichloropropene	ND U	0.50	1	03/20/25 13:57	
cis-1,3-Dichloropropene	ND U	0.50	1	03/20/25 13:57	
trans-1,3-Dichloropropene	ND U	0.50	1	03/20/25 13:57	
Ethylbenzene	ND U	0.50	1	03/20/25 13:57	
Hexachlorobutadiene	ND U	2.0	1	03/20/25 13:57	
2-Hexanone	ND U	20	1	03/20/25 13:57	
Isopropylbenzene	ND U	2.0	1	03/20/25 13:57	
4-Isopropyltoluene	ND U	2.0	1	03/20/25 13:57	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2504816-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/20/25 13:57	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/20/25 13:57	
Methylene Chloride	ND U	2.0	1	03/20/25 13:57	
Naphthalene	ND U	2.0	1	03/20/25 13:57	
n-Propylbenzene	ND U	2.0	1	03/20/25 13:57	
Styrene	ND U	0.50	1	03/20/25 13:57	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/20/25 13:57	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/20/25 13:57	
Tetrachloroethene (PCE)	ND U	0.50	1	03/20/25 13:57	
Toluene	ND U	0.50	1	03/20/25 13:57	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/20/25 13:57	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/20/25 13:57	
1,1,2-Trichloroethane	ND U	0.50	1	03/20/25 13:57	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/20/25 13:57	
Trichloroethene (TCE)	ND U	0.50	1	03/20/25 13:57	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/20/25 13:57	
1,2,3-Trichloropropane	ND U	0.50	1	03/20/25 13:57	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/20/25 13:57	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/20/25 13:57	
Vinyl Chloride	ND U	0.50	1	03/20/25 13:57	
o-Xylene	ND U	0.50	1	03/20/25 13:57	
m,p-Xylenes	ND U	0.50	1	03/20/25 13:57	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	68 - 117	03/20/25 13:57	
Dibromofluoromethane	118	73 - 122	03/20/25 13:57	
Toluene-d8	108	65 - 144	03/20/25 13:57	

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Analyzed:**	03/20/25
Sample Matrix:	Ground Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	873305

	Lab Control Sample KQ2504816-03			Duplicate Lab Control Sample KQ2504816-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	9.38	10.0	94	9.82	10.0	98	66-124	5	30
1,1,1-Trichloroethane (TCA)	10.5	10.0	105	11.8	10.0	118	59-136	11	30
1,1,2,2-Tetrachloroethane	9.37	10.0	94	9.71	10.0	97	70-127	4	30
1,1,2-Trichloroethane	9.08	10.0	91	10.1	10.0	101	74-118	11	30
1,1-Dichloroethane	9.37	10.0	94	10.4	10.0	104	68-132	10	30
1,1-Dichloropropene	10.8	10.0	108	11.8	10.0	118	59-134	8	30
1,2,3-Trichlorobenzene	10.2	10.0	102	11.1	10.0	111	68-120	9	30
1,2,3-Trichloropropane	9.63	10.0	96	9.56	10.0	96	69-123	<1	30
1,2,4-Trichlorobenzene	8.14	10.0	81	8.69	10.0	87	58-126	7	30
1,2,4-Trimethylbenzene	9.30	10.0	93	9.43	10.0	94	63-122	1	30
1,2-Dibromo-3-chloropropane	10.6	10.0	106	9.15	10.0	92	55-132	15	30
1,2-Dibromoethane (EDB)	9.34	10.0	93	10.2	10.0	102	74-118	9	30
1,2-Dichlorobenzene	9.57	10.0	96	10.1	10.0	101	72-115	5	30
1,2-Dichloropropane	8.56	10.0	86	9.33	10.0	93	67-126	9	30
1,3,5-Trimethylbenzene	9.59	10.0	96	9.99	10.0	100	62-126	4	30
1,3-Dichlorobenzene	10.0	10.0	100	10.3	10.0	103	70-116	3	30
1,3-Dichloropropane	9.57	10.0	96	9.99	10.0	100	75-116	4	30
1,4-Dichlorobenzene	9.83	10.0	98	10.1	10.0	101	73-115	2	30
2,2-Dichloropropane	9.99	10.0	100	10.8	10.0	108	37-145	8	30
2-Butanone (MEK)	51.7	50.0	103	56.2	50.0	112	71-149	8	30
2-Chlorotoluene	9.81	10.0	98	10.1	10.0	101	55-131	3	30
2-Hexanone	52.1	50.0	104	53.9	50.0	108	59-131	3	30
4-Chlorotoluene	9.74	10.0	97	10.1	10.0	101	66-121	4	30
4-Isopropyltoluene	10.1	10.0	101	10.6	10.0	106	61-128	5	30
4-Methyl-2-pentanone (MIBK)	48.7	50.0	97	53.9	50.0	108	64-134	10	30
Acetone	62.0	50.0	124	62.2	50.0	124	68-135	<1	30
Benzene	9.65	10.0	97	10.6	10.0	106	69-124	9	30
Bromobenzene	9.70	10.0	97	10.0	10.0	100	72-116	3	30
Bromochloromethane	10.5	10.0	105	10.6	10.0	106	75-131	1	30
Bromodichloromethane	10.0	10.0	100	10.7	10.0	107	63-129	7	30
Bromoform	9.15	10.0	92	9.87	10.0	99	52-144	8	30
Bromomethane	6.95	10.0	70	7.61	10.0	76	35-113	9	30
Carbon Disulfide	18.1	20.0	91	19.8	20.0	99	46-144	8	30
Carbon Tetrachloride	11.3	10.0	113	12.0	10.0	120	55-140	5	30
Chlorobenzene	9.30	10.0	93	10.2	10.0	102	72-116	9	30
Chloroethane	7.94	10.0	79	8.77	10.0	88	58-134	10	30
Chloroform	9.83	10.0	98	10.9	10.0	109	70-129	10	30
Chloromethane	8.91	10.0	89	9.44	10.0	94	34-130	6	30
cis-1,2-Dichloroethene	8.90	10.0	89	10.1	10.0	101	71-118	13	30
cis-1,3-Dichloropropene	9.33	10.0	93	10.4	10.0	104	62-132	11	30
Dibromochloromethane	9.41	10.0	94	10.0	10.0	100	67-126	6	30

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Analyzed:**	03/20/25
Sample Matrix:	Ground Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	873305

	Lab Control Sample KQ2504816-03			Duplicate Lab Control Sample KQ2504816-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Dibromomethane	10.7	10.0	107	10.7	10.0	107	69-128	<1	30
Dichlorodifluoromethane	12.9	10.0	129 *	14.6	10.0	146 *	32-124	13	30
Ethylbenzene	9.34	10.0	93	10.4	10.0	104	67-121	11	30
Hexachlorobutadiene	8.51	10.0	85	8.83	10.0	88	57-119	4	30
Isopropylbenzene	8.57	10.0	86	9.58	10.0	96	67-129	11	30
m,p-Xylenes	19.0	20.0	95	21.0	20.0	105	69-121	10	30
Methyl tert-Butyl Ether	9.86	10.0	99	10.9	10.0	109	54-126	10	30
Methylene Chloride	9.47	10.0	95	10.0	10.0	100	71-122	6	30
Naphthalene	8.78	10.0	88	8.99	10.0	90	64-126	2	30
n-Butylbenzene	9.35	10.0	94	9.57	10.0	96	55-130	2	30
n-Propylbenzene	9.84	10.0	98	10.2	10.0	102	61-124	3	30
o-Xylene	9.14	10.0	91	10.3	10.0	103	71-119	12	30
sec-Butylbenzene	10.1	10.0	101	10.4	10.0	104	59-128	3	30
Styrene	9.45	10.0	95	9.87	10.0	99	74-121	4	30
tert-Butylbenzene	9.84	10.0	98	10.5	10.0	105	61-127	6	30
Tetrachloroethene (PCE)	9.74	10.0	97	10.9	10.0	109	62-126	11	30
Toluene	9.68	10.0	97	10.4	10.0	104	69-124	7	30
trans-1,2-Dichloroethene	9.47	10.0	95	10.4	10.0	104	67-125	10	30
trans-1,3-Dichloropropene	8.94	10.0	89	9.70	10.0	97	59-125	8	30
Trichloroethene (TCE)	9.70	10.0	97	10.7	10.0	107	67-128	10	30
Trichlorofluoromethane (CFC 11)	10.6	10.0	106	11.8	10.0	118	52-141	11	30
Vinyl Chloride	8.02	10.0	80	8.72	10.0	87	55-123	8	30

Metals

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	KQ2504553-01		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	4.0	1	03/24/25 11:48	03/21/25	
Manganese	6020B	ND U	ug/L	0.40	1	03/24/25 11:48	03/21/25	

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25
Sample Matrix:	Ground Water	**Date Received:**	03/19/25
		Date Analyzed:	03/24/25
		Date Extracted:	03/21/25

Matrix Spike Summary
Dissolved Metals

Sample Name:	LB-031825-01-6S	**Units:**	ug/L
Lab Code:	K2502863-001	**Basis:**	NA
Analysis Method:	6020B		
Prep Method:	EPA CLP ILM04.0		

Matrix Spike
KQ2504553-04

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Iron	8.9	60.1	50.0	102	75-125
Manganese	0.85	26.2	25.0	101	75-125

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project	Leichner Landfill/04225030.13	**Date Collected:**	03/18/25
Sample Matrix:	Ground Water	**Date Received:**	03/19/25
		Date Analyzed:	03/24/25

Replicate Sample Summary
Dissolved Metals

Sample Name:	LB-031825-01-6S	**Units:**	ug/L
Lab Code:	K2502863-001	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample KQ2504553-03 Result	Average	RPD	RPD Limit
Iron	6020B	4.0	8.9	9.2	9.1	3	20
Manganese	6020B	0.40	0.85	0.73	0.79	15	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Analyzed:**	03/24/25
Sample Matrix:	Ground Water		

Lab Control Sample Summary
Dissolved Metals

Units:ug/L
Basis:NA

Lab Control Sample
KQ2504553-02

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Iron	6020B	51.4	50.0	103	80-120
Manganese	6020B	25.8	25.0	103	80-120

General Chemistry

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1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2502863-MB1		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	03/20/25 20:02	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.050	1	03/20/25 20:02	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2502863-MB1		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	03/20/25 18:02	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2502863-MB2		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	03/20/25 23:49	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.050	1	03/20/25 23:49	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2502863-MB2		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	03/20/25 18:02	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502863
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2502863-MB3		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	03/21/25 03:17	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.050	1	03/21/25 03:17	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill/04225030.13
Sample Matrix: Ground Water

Service Request: K2502863
Date Analyzed: 03/20/25

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
K2502863-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	4.79	5.00	96	90-110
Nitrate as Nitrogen	300.0	2.50	2.50	100	90-110
Solids, Total Dissolved	SM 2540 C	1750	1760	99	85-115

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill/04225030.13
Sample Matrix: Ground Water

Service Request: K2502863
Date Analyzed: 03/20/25

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
K2502863-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	4.81	5.00	96	90-110
Nitrate as Nitrogen	300.0	2.52	2.50	101	90-110

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill/04225030.13
Sample Matrix: Ground Water

Service Request: K2502863
Date Analyzed: 03/21/25

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
K2502863-LCS3

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	4.80	5.00	96	90-110
Nitrate as Nitrogen	300.0	2.51	2.50	100	90-110

March 28, 2025 Service Request No:K2502919

Barbara Lary
SCS Engineers
15940 SW 72nd Ave
Portland, OR 97224

Laboratory Results for: Leichner Landfill

Dear Barbara,

Enclosed are the results of the sample(s) submitted to our laboratory March 20, 2025
For your reference, these analyses have been assigned our service request number **K2502919.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3376. You may also contact me via email at Mark.Harris@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Mark Harris
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

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1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: SCS Engineers
Project: Leichner Landfill
Sample Matrix: Water

Service Request: K2502919
Date Received: 03/20/2025

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Ten water samples were received for analysis at ALS Environmental on 03/20/2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 03/25/2025:Several analytes were flagged as outside the control criterion for Continuing Calibration Verification (CCV). In accordance with the EPA Method, 80% or more of the CCV analytes must pass within 20% of the true value. The ALS SOP allows for 40% difference for the remaining analytes. The CCV met these criteria. The quality of the sample data was not significantly affected. No further corrective action was required.
Method 8260C, 03/25/2025:The upper control criterion was exceeded for Dichlorodifluoromethane in Continuing Calibration Verification (CCV) KQ2505047-02. The field samples analyzed in this sequence did not contain the analyte in question. Since the apparent problem indicated a potential high bias, the data quality was not affected. No further corrective action was required.

Approved by _____ Date 03/28/2025

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: LB-031925-07-FB2			Lab ID: K2502919-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Bromodichloromethane	1.8			0.50	ug/L	8260C
Chloroform	17			0.50	ug/L	8260C

CLIENT ID: LB-031925-09-EB1			Lab ID: K2502919-009			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Bromodichloromethane	1.6			0.50	ug/L	8260C
Chloroform	15			0.50	ug/L	8260C

CLIENT ID: LB-031925-01-17S			Lab ID: K2502919-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	7.99			0.20	mg/L	300.0
Iron, Dissolved	28.2			4.0	ug/L	6020B
Manganese, Dissolved	1.11			0.40	ug/L	6020B
Nitrate as Nitrogen	7.97			0.10	mg/L	300.0
Solids, Total Dissolved	248			10	mg/L	SM 2540 C

CLIENT ID: LB-031925-02-DUP2			Lab ID: K2502919-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	7.95			0.20	mg/L	300.0
Iron, Dissolved	28.0			4.0	ug/L	6020B
Manganese, Dissolved	1.08			0.40	ug/L	6020B
Nitrate as Nitrogen	8.07			0.10	mg/L	300.0
Solids, Total Dissolved	245			10	mg/L	SM 2540 C

CLIENT ID: LB-031925-03-17D			Lab ID: K2502919-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	9.13			0.20	mg/L	300.0
Iron, Dissolved	111			4.0	ug/L	6020B
Manganese, Dissolved	4090			2.0	ug/L	6020B
Solids, Total Dissolved	182			10	mg/L	SM 2540 C

CLIENT ID: LB-031925-04-17I			Lab ID: K2502919-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	8.90			0.20	mg/L	300.0
Iron, Dissolved	6420			4.0	ug/L	6020B
Manganese, Dissolved	1470			0.40	ug/L	6020B
Solids, Total Dissolved	182			10	mg/L	SM 2540 C

CLIENT ID: LB-031925-05-27D			Lab ID: K2502919-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	6.73			0.20	mg/L	300.0
Iron, Dissolved	4.2			4.0	ug/L	6020B
Manganese, Dissolved	0.83			0.40	ug/L	6020B

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: LB-031925-05-27D			Lab ID: K2502919-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Nitrate as Nitrogen	4.29			0.10	mg/L	300.0
Solids, Total Dissolved	206			10	mg/L	SM 2540 C

CLIENT ID: LB-031925-06-13D			Lab ID: K2502919-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	5.10			0.20	mg/L	300.0
Nitrate as Nitrogen	4.66			0.10	mg/L	300.0
Solids, Total Dissolved	181			10	mg/L	SM 2540 C

CLIENT ID: LB-031925-08-13I			Lab ID: K2502919-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	7.37			0.20	mg/L	300.0
Nitrate as Nitrogen	3.83			0.10	mg/L	300.0
Solids, Total Dissolved	194			10	mg/L	SM 2540 C

Sample Receipt Information

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: SCS Engineers **Service Request:**K2502919
Project: Leichner Landfill/04225030.13

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
K2502919-001	LB-031925-01-17S	3/19/2025	1040
K2502919-002	LB-031925-02-DUP2	3/19/2025	1055
K2502919-003	LB-031925-03-17D	3/19/2025	1210
K2502919-004	LB-031925-04-17I	3/19/2025	1305
K2502919-005	LB-031925-05-27D	3/19/2025	1422
K2502919-006	LB-031925-06-13D	3/19/2025	1515
K2502919-007	LB-031925-07-FB2	3/19/2025	1526
K2502919-008	LB-031925-08-13I	3/19/2025	1620
K2502919-009	LB-031925-09-EB1	3/19/2025	1635
K2502919-010	TB1	3/19/2025	0700

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1317 South 13th Ave
Kelso, WA 98626
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(Fax) 360.636.1068

Chain of Custody Form

Page 1 of 1

1250919

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Leichner Landfill	A	Volatile organics (8260)
Work Order		Project Number	04225030.13	B	Dissolved metals (Fe, Mn) Field Filtered
Company Name	SCS Engineers	Bill To Company	~~Eurofins Environmental Testing~~	C	Cl, TDS, NO3
Send Report To	Eurofins Environmental Testing	Invoice Attn	~~Janice Collins~~	D	
Address	15940 SW 72nd Ave	Address	~~4955 Yarrow Street Suite 100~~	E	
				F	
City/State/Zip	Portland OR 97224	City/State/Zip	~~Arvada CO 80002~~	G	
Phone	971-284-1297	Phone	303-736-0124	H	
Fax		Fax		I	
e-Mail Address	Blary@scsengineers.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	Notes	Hold
1	LB-031925-01-17S	03/19/25	1040	W	1,2	5	X	X	X				NO3 Short Hold Send Results and Invoice to Janice Collins/ Eurofins Environmental Testing Denver Janice.Collins@ET.EurofinsUS.com	
2	LB-031925-02-DUP2	03/19/25	1055	W	1,2	5	X	X	X					
3	LB-031925-03-17D	03/19/25	1210	W	1,2	5	X	X	X					
4	LB-031925-04-17I	03/19/25	1305	W	1,2	5	X	X	X					
5	LB-031925-05-27D	03/19/25	1422	W	1,2	5	X	X	X					
6	LB-031925-06-13D	03/19/25	1515	W	1,2	5	X	X	X					
7	LB-031925-07-FB2	03/19/25	1526	W	1,2	5	X	X	X					
8	LB-031925-08-13I	03/19/25	1620	W	1,2	5	X	X	X					
9	LB-031925-09-EB1	03/19/25	1635	W	1,2	5	X	X	X					
10	TB1	3/19/25	0700	W	1,2	2	X							

Sampler(s): Please Print & Sign	Shipment Method:	Required Turnaround Time: (Check Box)	Results Due Date:
	Courier	☐ 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☑ Other	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
	3/20/25 ~~03/19/25~~	0700		~~3/19/25~~ 3/20/25	0900	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:	
	3/20/25	~~0956~~ 0700	M. Mulligan	3/20/25	0956	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			

ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)	
		☐ Level II: Standard QC	☐ Level III: Raw Data
		☐ TRRP LRC	☐ TRRP Level IV
		☐ Level IV: SW846 Methods/CLP like	
		☐ Other:	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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Rel. M. Mulligan ALS 3/20/25 1150

Cooler Receipt and Preservation Form

PM Mark

Client SCS Service Request K25 02919

Received: 03 20 2025 Opened: 03 20 2025 By: AD Unloaded: 03 20 2025 By: AD

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* (*Courier*) *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA (Y) N If yes, how many and where? 1 front
   If present, were custody seals intact? (Y) N If present, were they signed and dated? (Y) N

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / (NA)	Out of temp indicate with "X"	PM Notified If out of temp	Tracking Number (NA)	Filed
—	1.5	IR02					

4. Was a Temperature Blank present in cooler? NA Y (N) If yes, notate the temperature in the appropriate column below:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA (Y) N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. (NA) Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: (*Inserts*) (*Baggies*) *Bubble Wrap* *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Were samples received in good condition (unbroken) NA (Y) N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA Y (N)
10. Did all sample labels and tags agree with custody papers? (NA) Y N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA (Y) N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA (Y) N
14. Was C12/Res negative? (NA) Y N
15. Were samples received within method specified time limit? If not, notate the error below and notify the PM. (NA) Y N
16. Were 100mL sterile microbiology bottles filled exactly to the 100mL mark? (NA) Y N Underfilled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:
LQWE	LB-03925-05-270	process of elimination

SHORT HOLD

Sample ID	Bottle Count Bottle Type	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, Resolutions: 1/3 40 mL VOA in sample 270 label is not filled out. Logged per chain.

Miscellaneous Forms

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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value over the calibration range.
J	The result is an estimated value between the MDL and the MRL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13		

Sample Name:	LB-031925-01-17S	**Date Collected:**	03/19/25
Lab Code:	K2502919-001	**Date Received:**	03/20/25
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-031925-02-DUP2	**Date Collected:**	03/19/25
Lab Code:	K2502919-002	**Date Received:**	03/20/25
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-031925-03-17D	**Date Collected:**	03/19/25
Lab Code:	K2502919-003	**Date Received:**	03/20/25
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-031925-04-17I	**Date Collected:**	03/19/25
Lab Code:	K2502919-004	**Date Received:**	03/20/25
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON

Client: SCS Engineers **Service Request:** K2502919
Project: Leichner Landfill/04225030.13

Sample Name: LB-031925-04-17I **Date Collected:** 03/19/25
Lab Code: K2502919-004 **Date Received:** 03/20/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name: LB-031925-05-27D **Date Collected:** 03/19/25
Lab Code: K2502919-005 **Date Received:** 03/20/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name: LB-031925-06-13D **Date Collected:** 03/19/25
Lab Code: K2502919-006 **Date Received:** 03/20/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name: LB-031925-07-FB2 **Date Collected:** 03/19/25
Lab Code: K2502919-007 **Date Received:** 03/20/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13		

Sample Name:	LB-031925-07-FB2	**Date Collected:**	03/19/25
Lab Code:	K2502919-007	**Date Received:**	03/20/25
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-031925-08-13I	**Date Collected:**	03/19/25
Lab Code:	K2502919-008	**Date Received:**	03/20/25
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-031925-09-EB1	**Date Collected:**	03/19/25
Lab Code:	K2502919-009	**Date Received:**	03/20/25
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	TB1	**Date Collected:**	03/19/25
Lab Code:	K2502919-010	**Date Received:**	03/20/25
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Results

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 10:40
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-01-17S	**Units:**	ug/L
Lab Code:	K2502919-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/25/25 16:45	*
Benzene	ND U	0.50	1	03/25/25 16:45	
Bromobenzene	ND U	2.0	1	03/25/25 16:45	
Bromochloromethane	ND U	0.50	1	03/25/25 16:45	
Bromodichloromethane	ND U	0.50	1	03/25/25 16:45	
Bromoform	ND U	0.50	1	03/25/25 16:45	
Bromomethane	ND U	0.50	1	03/25/25 16:45	
2-Butanone (MEK)	ND U	20	1	03/25/25 16:45	
n-Butylbenzene	ND U	4.0	1	03/25/25 16:45	
sec-Butylbenzene	ND U	2.0	1	03/25/25 16:45	
tert-Butylbenzene	ND U	2.0	1	03/25/25 16:45	
Carbon Disulfide	ND U	0.50	1	03/25/25 16:45	
Carbon Tetrachloride	ND U	0.50	1	03/25/25 16:45	*
Chlorobenzene	ND U	0.50	1	03/25/25 16:45	
Chloroethane	ND U	0.50	1	03/25/25 16:45	
Chloroform	ND U	0.50	1	03/25/25 16:45	
Chloromethane	ND U	0.50	1	03/25/25 16:45	
2-Chlorotoluene	ND U	2.0	1	03/25/25 16:45	
4-Chlorotoluene	ND U	2.0	1	03/25/25 16:45	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/25/25 16:45	
Dibromochloromethane	ND U	0.50	1	03/25/25 16:45	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/25/25 16:45	
Dibromomethane	ND U	0.50	1	03/25/25 16:45	
1,2-Dichlorobenzene	ND U	0.50	1	03/25/25 16:45	
1,3-Dichlorobenzene	ND U	0.50	1	03/25/25 16:45	
1,4-Dichlorobenzene	ND U	0.50	1	03/25/25 16:45	
Dichlorodifluoromethane	ND U	0.50	1	03/25/25 16:45	*
1,1-Dichloroethane	ND U	0.50	1	03/25/25 16:45	
cis-1,2-Dichloroethene	ND U	0.50	1	03/25/25 16:45	
trans-1,2-Dichloroethene	ND U	0.50	1	03/25/25 16:45	
1,2-Dichloropropane	ND U	0.50	1	03/25/25 16:45	
1,3-Dichloropropane	ND U	0.50	1	03/25/25 16:45	
2,2-Dichloropropane	ND U	0.50	1	03/25/25 16:45	*
1,1-Dichloropropene	ND U	0.50	1	03/25/25 16:45	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/25/25 16:45	
trans-1,3-Dichloropropene	ND U	0.50	1	03/25/25 16:45	
Ethylbenzene	ND U	0.50	1	03/25/25 16:45	
Hexachlorobutadiene	ND U	2.0	1	03/25/25 16:45	
2-Hexanone	ND U	20	1	03/25/25 16:45	
Isopropylbenzene	ND U	2.0	1	03/25/25 16:45	
4-Isopropyltoluene	ND U	2.0	1	03/25/25 16:45	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 10:40
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-01-17S	**Units:**	ug/L
Lab Code:	K2502919-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/25/25 16:45	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/25/25 16:45	
Methylene Chloride	ND U	2.0	1	03/25/25 16:45	
Naphthalene	ND U	2.0	1	03/25/25 16:45	
n-Propylbenzene	ND U	2.0	1	03/25/25 16:45	
Styrene	ND U	0.50	1	03/25/25 16:45	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/25/25 16:45	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/25/25 16:45	
Tetrachloroethene (PCE)	ND U	0.50	1	03/25/25 16:45	*
Toluene	ND U	0.50	1	03/25/25 16:45	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/25/25 16:45	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/25/25 16:45	
1,1,2-Trichloroethane	ND U	0.50	1	03/25/25 16:45	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/25/25 16:45	*
Trichloroethene (TCE)	ND U	0.50	1	03/25/25 16:45	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/25/25 16:45	
1,2,3-Trichloropropane	ND U	0.50	1	03/25/25 16:45	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/25/25 16:45	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/25/25 16:45	
Vinyl Chloride	ND U	0.50	1	03/25/25 16:45	
o-Xylene	ND U	0.50	1	03/25/25 16:45	
m,p-Xylenes	ND U	0.50	1	03/25/25 16:45	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	68 - 117	03/25/25 16:45	
Dibromofluoromethane	118	73 - 122	03/25/25 16:45	
Toluene-d8	107	65 - 144	03/25/25 16:45	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 10:55
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-02-DUP2	**Units:**	ug/L
Lab Code:	K2502919-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/25/25 17:10	*
Benzene	ND U	0.50	1	03/25/25 17:10	
Bromobenzene	ND U	2.0	1	03/25/25 17:10	
Bromochloromethane	ND U	0.50	1	03/25/25 17:10	
Bromodichloromethane	ND U	0.50	1	03/25/25 17:10	
Bromoform	ND U	0.50	1	03/25/25 17:10	
Bromomethane	ND U	0.50	1	03/25/25 17:10	
2-Butanone (MEK)	ND U	20	1	03/25/25 17:10	
n-Butylbenzene	ND U	4.0	1	03/25/25 17:10	
sec-Butylbenzene	ND U	2.0	1	03/25/25 17:10	
tert-Butylbenzene	ND U	2.0	1	03/25/25 17:10	
Carbon Disulfide	ND U	0.50	1	03/25/25 17:10	
Carbon Tetrachloride	ND U	0.50	1	03/25/25 17:10	*
Chlorobenzene	ND U	0.50	1	03/25/25 17:10	
Chloroethane	ND U	0.50	1	03/25/25 17:10	
Chloroform	ND U	0.50	1	03/25/25 17:10	
Chloromethane	ND U	0.50	1	03/25/25 17:10	
2-Chlorotoluene	ND U	2.0	1	03/25/25 17:10	
4-Chlorotoluene	ND U	2.0	1	03/25/25 17:10	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/25/25 17:10	
Dibromochloromethane	ND U	0.50	1	03/25/25 17:10	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/25/25 17:10	
Dibromomethane	ND U	0.50	1	03/25/25 17:10	
1,2-Dichlorobenzene	ND U	0.50	1	03/25/25 17:10	
1,3-Dichlorobenzene	ND U	0.50	1	03/25/25 17:10	
1,4-Dichlorobenzene	ND U	0.50	1	03/25/25 17:10	
Dichlorodifluoromethane	ND U	0.50	1	03/25/25 17:10	*
1,1-Dichloroethane	ND U	0.50	1	03/25/25 17:10	
cis-1,2-Dichloroethene	ND U	0.50	1	03/25/25 17:10	
trans-1,2-Dichloroethene	ND U	0.50	1	03/25/25 17:10	
1,2-Dichloropropane	ND U	0.50	1	03/25/25 17:10	
1,3-Dichloropropane	ND U	0.50	1	03/25/25 17:10	
2,2-Dichloropropane	ND U	0.50	1	03/25/25 17:10	*
1,1-Dichloropropene	ND U	0.50	1	03/25/25 17:10	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/25/25 17:10	
trans-1,3-Dichloropropene	ND U	0.50	1	03/25/25 17:10	
Ethylbenzene	ND U	0.50	1	03/25/25 17:10	
Hexachlorobutadiene	ND U	2.0	1	03/25/25 17:10	
2-Hexanone	ND U	20	1	03/25/25 17:10	
Isopropylbenzene	ND U	2.0	1	03/25/25 17:10	
4-Isopropyltoluene	ND U	2.0	1	03/25/25 17:10	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 10:55
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-02-DUP2	**Units:**	ug/L
Lab Code:	K2502919-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/25/25 17:10	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/25/25 17:10	
Methylene Chloride	ND U	2.0	1	03/25/25 17:10	
Naphthalene	ND U	2.0	1	03/25/25 17:10	
n-Propylbenzene	ND U	2.0	1	03/25/25 17:10	
Styrene	ND U	0.50	1	03/25/25 17:10	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/25/25 17:10	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/25/25 17:10	
Tetrachloroethene (PCE)	ND U	0.50	1	03/25/25 17:10	*
Toluene	ND U	0.50	1	03/25/25 17:10	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/25/25 17:10	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/25/25 17:10	
1,1,2-Trichloroethane	ND U	0.50	1	03/25/25 17:10	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/25/25 17:10	*
Trichloroethene (TCE)	ND U	0.50	1	03/25/25 17:10	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/25/25 17:10	
1,2,3-Trichloropropane	ND U	0.50	1	03/25/25 17:10	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/25/25 17:10	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/25/25 17:10	
Vinyl Chloride	ND U	0.50	1	03/25/25 17:10	
o-Xylene	ND U	0.50	1	03/25/25 17:10	
m,p-Xylenes	ND U	0.50	1	03/25/25 17:10	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	109	68 - 117	03/25/25 17:10	
Dibromofluoromethane	114	73 - 122	03/25/25 17:10	
Toluene-d8	109	65 - 144	03/25/25 17:10	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 12:10
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-03-17D	**Units:**	ug/L
Lab Code:	K2502919-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/25/25 17:35	*
Benzene	ND U	0.50	1	03/25/25 17:35	
Bromobenzene	ND U	2.0	1	03/25/25 17:35	
Bromochloromethane	ND U	0.50	1	03/25/25 17:35	
Bromodichloromethane	ND U	0.50	1	03/25/25 17:35	
Bromoform	ND U	0.50	1	03/25/25 17:35	
Bromomethane	ND U	0.50	1	03/25/25 17:35	
2-Butanone (MEK)	ND U	20	1	03/25/25 17:35	
n-Butylbenzene	ND U	4.0	1	03/25/25 17:35	
sec-Butylbenzene	ND U	2.0	1	03/25/25 17:35	
tert-Butylbenzene	ND U	2.0	1	03/25/25 17:35	
Carbon Disulfide	ND U	0.50	1	03/25/25 17:35	
Carbon Tetrachloride	ND U	0.50	1	03/25/25 17:35	*
Chlorobenzene	ND U	0.50	1	03/25/25 17:35	
Chloroethane	ND U	0.50	1	03/25/25 17:35	
Chloroform	ND U	0.50	1	03/25/25 17:35	
Chloromethane	ND U	0.50	1	03/25/25 17:35	
2-Chlorotoluene	ND U	2.0	1	03/25/25 17:35	
4-Chlorotoluene	ND U	2.0	1	03/25/25 17:35	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/25/25 17:35	
Dibromochloromethane	ND U	0.50	1	03/25/25 17:35	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/25/25 17:35	
Dibromomethane	ND U	0.50	1	03/25/25 17:35	
1,2-Dichlorobenzene	ND U	0.50	1	03/25/25 17:35	
1,3-Dichlorobenzene	ND U	0.50	1	03/25/25 17:35	
1,4-Dichlorobenzene	ND U	0.50	1	03/25/25 17:35	
Dichlorodifluoromethane	ND U	0.50	1	03/25/25 17:35	*
1,1-Dichloroethane	ND U	0.50	1	03/25/25 17:35	
cis-1,2-Dichloroethene	ND U	0.50	1	03/25/25 17:35	
trans-1,2-Dichloroethene	ND U	0.50	1	03/25/25 17:35	
1,2-Dichloropropane	ND U	0.50	1	03/25/25 17:35	
1,3-Dichloropropane	ND U	0.50	1	03/25/25 17:35	
2,2-Dichloropropane	ND U	0.50	1	03/25/25 17:35	*
1,1-Dichloropropene	ND U	0.50	1	03/25/25 17:35	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/25/25 17:35	
trans-1,3-Dichloropropene	ND U	0.50	1	03/25/25 17:35	
Ethylbenzene	ND U	0.50	1	03/25/25 17:35	
Hexachlorobutadiene	ND U	2.0	1	03/25/25 17:35	
2-Hexanone	ND U	20	1	03/25/25 17:35	
Isopropylbenzene	ND U	2.0	1	03/25/25 17:35	
4-Isopropyltoluene	ND U	2.0	1	03/25/25 17:35	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 12:10
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-03-17D	**Units:**	ug/L
Lab Code:	K2502919-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/25/25 17:35	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/25/25 17:35	
Methylene Chloride	ND U	2.0	1	03/25/25 17:35	
Naphthalene	ND U	2.0	1	03/25/25 17:35	
n-Propylbenzene	ND U	2.0	1	03/25/25 17:35	
Styrene	ND U	0.50	1	03/25/25 17:35	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/25/25 17:35	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/25/25 17:35	
Tetrachloroethene (PCE)	ND U	0.50	1	03/25/25 17:35	*
Toluene	ND U	0.50	1	03/25/25 17:35	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/25/25 17:35	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/25/25 17:35	
1,1,2-Trichloroethane	ND U	0.50	1	03/25/25 17:35	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/25/25 17:35	*
Trichloroethene (TCE)	ND U	0.50	1	03/25/25 17:35	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/25/25 17:35	
1,2,3-Trichloropropane	ND U	0.50	1	03/25/25 17:35	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/25/25 17:35	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/25/25 17:35	
Vinyl Chloride	ND U	0.50	1	03/25/25 17:35	
o-Xylene	ND U	0.50	1	03/25/25 17:35	
m,p-Xylenes	ND U	0.50	1	03/25/25 17:35	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	110	68 - 117	03/25/25 17:35	
Dibromofluoromethane	115	73 - 122	03/25/25 17:35	
Toluene-d8	110	65 - 144	03/25/25 17:35	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 13:05
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-04-17I	**Units:**	ug/L
Lab Code:	K2502919-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/25/25 17:59	*
Benzene	ND U	0.50	1	03/25/25 17:59	
Bromobenzene	ND U	2.0	1	03/25/25 17:59	
Bromochloromethane	ND U	0.50	1	03/25/25 17:59	
Bromodichloromethane	ND U	0.50	1	03/25/25 17:59	
Bromoform	ND U	0.50	1	03/25/25 17:59	
Bromomethane	ND U	0.50	1	03/25/25 17:59	
2-Butanone (MEK)	ND U	20	1	03/25/25 17:59	
n-Butylbenzene	ND U	4.0	1	03/25/25 17:59	
sec-Butylbenzene	ND U	2.0	1	03/25/25 17:59	
tert-Butylbenzene	ND U	2.0	1	03/25/25 17:59	
Carbon Disulfide	ND U	0.50	1	03/25/25 17:59	
Carbon Tetrachloride	ND U	0.50	1	03/25/25 17:59	*
Chlorobenzene	ND U	0.50	1	03/25/25 17:59	
Chloroethane	ND U	0.50	1	03/25/25 17:59	
Chloroform	ND U	0.50	1	03/25/25 17:59	
Chloromethane	ND U	0.50	1	03/25/25 17:59	
2-Chlorotoluene	ND U	2.0	1	03/25/25 17:59	
4-Chlorotoluene	ND U	2.0	1	03/25/25 17:59	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/25/25 17:59	
Dibromochloromethane	ND U	0.50	1	03/25/25 17:59	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/25/25 17:59	
Dibromomethane	ND U	0.50	1	03/25/25 17:59	
1,2-Dichlorobenzene	ND U	0.50	1	03/25/25 17:59	
1,3-Dichlorobenzene	ND U	0.50	1	03/25/25 17:59	
1,4-Dichlorobenzene	ND U	0.50	1	03/25/25 17:59	
Dichlorodifluoromethane	ND U	0.50	1	03/25/25 17:59	*
1,1-Dichloroethane	ND U	0.50	1	03/25/25 17:59	
cis-1,2-Dichloroethene	ND U	0.50	1	03/25/25 17:59	
trans-1,2-Dichloroethene	ND U	0.50	1	03/25/25 17:59	
1,2-Dichloropropane	ND U	0.50	1	03/25/25 17:59	
1,3-Dichloropropane	ND U	0.50	1	03/25/25 17:59	
2,2-Dichloropropane	ND U	0.50	1	03/25/25 17:59	*
1,1-Dichloropropene	ND U	0.50	1	03/25/25 17:59	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/25/25 17:59	
trans-1,3-Dichloropropene	ND U	0.50	1	03/25/25 17:59	
Ethylbenzene	ND U	0.50	1	03/25/25 17:59	
Hexachlorobutadiene	ND U	2.0	1	03/25/25 17:59	
2-Hexanone	ND U	20	1	03/25/25 17:59	
Isopropylbenzene	ND U	2.0	1	03/25/25 17:59	
4-Isopropyltoluene	ND U	2.0	1	03/25/25 17:59	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 13:05
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-04-17I	**Units:**	ug/L
Lab Code:	K2502919-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/25/25 17:59	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/25/25 17:59	
Methylene Chloride	ND U	2.0	1	03/25/25 17:59	
Naphthalene	ND U	2.0	1	03/25/25 17:59	
n-Propylbenzene	ND U	2.0	1	03/25/25 17:59	
Styrene	ND U	0.50	1	03/25/25 17:59	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/25/25 17:59	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/25/25 17:59	
Tetrachloroethene (PCE)	ND U	0.50	1	03/25/25 17:59	*
Toluene	ND U	0.50	1	03/25/25 17:59	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/25/25 17:59	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/25/25 17:59	
1,1,2-Trichloroethane	ND U	0.50	1	03/25/25 17:59	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/25/25 17:59	*
Trichloroethene (TCE)	ND U	0.50	1	03/25/25 17:59	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/25/25 17:59	
1,2,3-Trichloropropane	ND U	0.50	1	03/25/25 17:59	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/25/25 17:59	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/25/25 17:59	
Vinyl Chloride	ND U	0.50	1	03/25/25 17:59	
o-Xylene	ND U	0.50	1	03/25/25 17:59	
m,p-Xylenes	ND U	0.50	1	03/25/25 17:59	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	108	68 - 117	03/25/25 17:59	
Dibromofluoromethane	112	73 - 122	03/25/25 17:59	
Toluene-d8	110	65 - 144	03/25/25 17:59	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 14:22
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-05-27D	**Units:**	ug/L
Lab Code:	K2502919-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/25/25 18:24	*
Benzene	ND U	0.50	1	03/25/25 18:24	
Bromobenzene	ND U	2.0	1	03/25/25 18:24	
Bromochloromethane	ND U	0.50	1	03/25/25 18:24	
Bromodichloromethane	ND U	0.50	1	03/25/25 18:24	
Bromoform	ND U	0.50	1	03/25/25 18:24	
Bromomethane	ND U	0.50	1	03/25/25 18:24	
2-Butanone (MEK)	ND U	20	1	03/25/25 18:24	
n-Butylbenzene	ND U	4.0	1	03/25/25 18:24	
sec-Butylbenzene	ND U	2.0	1	03/25/25 18:24	
tert-Butylbenzene	ND U	2.0	1	03/25/25 18:24	
Carbon Disulfide	ND U	0.50	1	03/25/25 18:24	
Carbon Tetrachloride	ND U	0.50	1	03/25/25 18:24	*
Chlorobenzene	ND U	0.50	1	03/25/25 18:24	
Chloroethane	ND U	0.50	1	03/25/25 18:24	
Chloroform	ND U	0.50	1	03/25/25 18:24	
Chloromethane	ND U	0.50	1	03/25/25 18:24	
2-Chlorotoluene	ND U	2.0	1	03/25/25 18:24	
4-Chlorotoluene	ND U	2.0	1	03/25/25 18:24	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/25/25 18:24	
Dibromochloromethane	ND U	0.50	1	03/25/25 18:24	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/25/25 18:24	
Dibromomethane	ND U	0.50	1	03/25/25 18:24	
1,2-Dichlorobenzene	ND U	0.50	1	03/25/25 18:24	
1,3-Dichlorobenzene	ND U	0.50	1	03/25/25 18:24	
1,4-Dichlorobenzene	ND U	0.50	1	03/25/25 18:24	
Dichlorodifluoromethane	ND U	0.50	1	03/25/25 18:24	*
1,1-Dichloroethane	ND U	0.50	1	03/25/25 18:24	
cis-1,2-Dichloroethene	ND U	0.50	1	03/25/25 18:24	
trans-1,2-Dichloroethene	ND U	0.50	1	03/25/25 18:24	
1,2-Dichloropropane	ND U	0.50	1	03/25/25 18:24	
1,3-Dichloropropane	ND U	0.50	1	03/25/25 18:24	
2,2-Dichloropropane	ND U	0.50	1	03/25/25 18:24	*
1,1-Dichloropropene	ND U	0.50	1	03/25/25 18:24	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/25/25 18:24	
trans-1,3-Dichloropropene	ND U	0.50	1	03/25/25 18:24	
Ethylbenzene	ND U	0.50	1	03/25/25 18:24	
Hexachlorobutadiene	ND U	2.0	1	03/25/25 18:24	
2-Hexanone	ND U	20	1	03/25/25 18:24	
Isopropylbenzene	ND U	2.0	1	03/25/25 18:24	
4-Isopropyltoluene	ND U	2.0	1	03/25/25 18:24	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 14:22
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-05-27D	**Units:**	ug/L
Lab Code:	K2502919-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/25/25 18:24	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/25/25 18:24	
Methylene Chloride	ND U	2.0	1	03/25/25 18:24	
Naphthalene	ND U	2.0	1	03/25/25 18:24	
n-Propylbenzene	ND U	2.0	1	03/25/25 18:24	
Styrene	ND U	0.50	1	03/25/25 18:24	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/25/25 18:24	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/25/25 18:24	
Tetrachloroethene (PCE)	ND U	0.50	1	03/25/25 18:24	*
Toluene	ND U	0.50	1	03/25/25 18:24	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/25/25 18:24	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/25/25 18:24	
1,1,2-Trichloroethane	ND U	0.50	1	03/25/25 18:24	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/25/25 18:24	*
Trichloroethene (TCE)	ND U	0.50	1	03/25/25 18:24	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/25/25 18:24	
1,2,3-Trichloropropane	ND U	0.50	1	03/25/25 18:24	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/25/25 18:24	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/25/25 18:24	
Vinyl Chloride	ND U	0.50	1	03/25/25 18:24	
o-Xylene	ND U	0.50	1	03/25/25 18:24	
m,p-Xylenes	ND U	0.50	1	03/25/25 18:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	68 - 117	03/25/25 18:24	
Dibromofluoromethane	116	73 - 122	03/25/25 18:24	
Toluene-d8	108	65 - 144	03/25/25 18:24	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 15:15
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-06-13D	**Units:**	ug/L
Lab Code:	K2502919-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/25/25 18:49	*
Benzene	ND U	0.50	1	03/25/25 18:49	
Bromobenzene	ND U	2.0	1	03/25/25 18:49	
Bromochloromethane	ND U	0.50	1	03/25/25 18:49	
Bromodichloromethane	ND U	0.50	1	03/25/25 18:49	
Bromoform	ND U	0.50	1	03/25/25 18:49	
Bromomethane	ND U	0.50	1	03/25/25 18:49	
2-Butanone (MEK)	ND U	20	1	03/25/25 18:49	
n-Butylbenzene	ND U	4.0	1	03/25/25 18:49	
sec-Butylbenzene	ND U	2.0	1	03/25/25 18:49	
tert-Butylbenzene	ND U	2.0	1	03/25/25 18:49	
Carbon Disulfide	ND U	0.50	1	03/25/25 18:49	
Carbon Tetrachloride	ND U	0.50	1	03/25/25 18:49	*
Chlorobenzene	ND U	0.50	1	03/25/25 18:49	
Chloroethane	ND U	0.50	1	03/25/25 18:49	
Chloroform	ND U	0.50	1	03/25/25 18:49	
Chloromethane	ND U	0.50	1	03/25/25 18:49	
2-Chlorotoluene	ND U	2.0	1	03/25/25 18:49	
4-Chlorotoluene	ND U	2.0	1	03/25/25 18:49	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/25/25 18:49	
Dibromochloromethane	ND U	0.50	1	03/25/25 18:49	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/25/25 18:49	
Dibromomethane	ND U	0.50	1	03/25/25 18:49	
1,2-Dichlorobenzene	ND U	0.50	1	03/25/25 18:49	
1,3-Dichlorobenzene	ND U	0.50	1	03/25/25 18:49	
1,4-Dichlorobenzene	ND U	0.50	1	03/25/25 18:49	
Dichlorodifluoromethane	ND U	0.50	1	03/25/25 18:49	*
1,1-Dichloroethane	ND U	0.50	1	03/25/25 18:49	
cis-1,2-Dichloroethene	ND U	0.50	1	03/25/25 18:49	
trans-1,2-Dichloroethene	ND U	0.50	1	03/25/25 18:49	
1,2-Dichloropropane	ND U	0.50	1	03/25/25 18:49	
1,3-Dichloropropane	ND U	0.50	1	03/25/25 18:49	
2,2-Dichloropropane	ND U	0.50	1	03/25/25 18:49	*
1,1-Dichloropropene	ND U	0.50	1	03/25/25 18:49	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/25/25 18:49	
trans-1,3-Dichloropropene	ND U	0.50	1	03/25/25 18:49	
Ethylbenzene	ND U	0.50	1	03/25/25 18:49	
Hexachlorobutadiene	ND U	2.0	1	03/25/25 18:49	
2-Hexanone	ND U	20	1	03/25/25 18:49	
Isopropylbenzene	ND U	2.0	1	03/25/25 18:49	
4-Isopropyltoluene	ND U	2.0	1	03/25/25 18:49	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 15:15
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-06-13D	**Units:**	ug/L
Lab Code:	K2502919-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/25/25 18:49	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/25/25 18:49	
Methylene Chloride	ND U	2.0	1	03/25/25 18:49	
Naphthalene	ND U	2.0	1	03/25/25 18:49	
n-Propylbenzene	ND U	2.0	1	03/25/25 18:49	
Styrene	ND U	0.50	1	03/25/25 18:49	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/25/25 18:49	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/25/25 18:49	
Tetrachloroethene (PCE)	ND U	0.50	1	03/25/25 18:49	*
Toluene	ND U	0.50	1	03/25/25 18:49	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/25/25 18:49	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/25/25 18:49	
1,1,2-Trichloroethane	ND U	0.50	1	03/25/25 18:49	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/25/25 18:49	*
Trichloroethene (TCE)	ND U	0.50	1	03/25/25 18:49	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/25/25 18:49	
1,2,3-Trichloropropane	ND U	0.50	1	03/25/25 18:49	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/25/25 18:49	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/25/25 18:49	
Vinyl Chloride	ND U	0.50	1	03/25/25 18:49	
o-Xylene	ND U	0.50	1	03/25/25 18:49	
m,p-Xylenes	ND U	0.50	1	03/25/25 18:49	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	108	68 - 117	03/25/25 18:49	
Dibromofluoromethane	118	73 - 122	03/25/25 18:49	
Toluene-d8	111	65 - 144	03/25/25 18:49	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 15:26
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-07-FB2	**Units:**	ug/L
Lab Code:	K2502919-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
Acetone	ND	U	20	1	03/25/25 19:13	*
Benzene	ND	U	0.50	1	03/25/25 19:13	
Bromobenzene	ND	U	2.0	1	03/25/25 19:13	
Bromochloromethane	ND	U	0.50	1	03/25/25 19:13	
Bromodichloromethane	**1.8**		0.50	1	03/25/25 19:13	
Bromoform	ND	U	0.50	1	03/25/25 19:13	
Bromomethane	ND	U	0.50	1	03/25/25 19:13	
2-Butanone (MEK)	ND	U	20	1	03/25/25 19:13	
n-Butylbenzene	ND	U	4.0	1	03/25/25 19:13	
sec-Butylbenzene	ND	U	2.0	1	03/25/25 19:13	
tert-Butylbenzene	ND	U	2.0	1	03/25/25 19:13	
Carbon Disulfide	ND	U	0.50	1	03/25/25 19:13	
Carbon Tetrachloride	ND	U	0.50	1	03/25/25 19:13	*
Chlorobenzene	ND	U	0.50	1	03/25/25 19:13	
Chloroethane	ND	U	0.50	1	03/25/25 19:13	
Chloroform	**17**		0.50	1	03/25/25 19:13	
Chloromethane	ND	U	0.50	1	03/25/25 19:13	
2-Chlorotoluene	ND	U	2.0	1	03/25/25 19:13	
4-Chlorotoluene	ND	U	2.0	1	03/25/25 19:13	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	03/25/25 19:13	
Dibromochloromethane	ND	U	0.50	1	03/25/25 19:13	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	03/25/25 19:13	
Dibromomethane	ND	U	0.50	1	03/25/25 19:13	
1,2-Dichlorobenzene	ND	U	0.50	1	03/25/25 19:13	
1,3-Dichlorobenzene	ND	U	0.50	1	03/25/25 19:13	
1,4-Dichlorobenzene	ND	U	0.50	1	03/25/25 19:13	
Dichlorodifluoromethane	ND	U	0.50	1	03/25/25 19:13	*
1,1-Dichloroethane	ND	U	0.50	1	03/25/25 19:13	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/25/25 19:13	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/25/25 19:13	
1,2-Dichloropropane	ND	U	0.50	1	03/25/25 19:13	
1,3-Dichloropropane	ND	U	0.50	1	03/25/25 19:13	
2,2-Dichloropropane	ND	U	0.50	1	03/25/25 19:13	*
1,1-Dichloropropene	ND	U	0.50	1	03/25/25 19:13	*
cis-1,3-Dichloropropene	ND	U	0.50	1	03/25/25 19:13	
trans-1,3-Dichloropropene	ND	U	0.50	1	03/25/25 19:13	
Ethylbenzene	ND	U	0.50	1	03/25/25 19:13	
Hexachlorobutadiene	ND	U	2.0	1	03/25/25 19:13	
2-Hexanone	ND	U	20	1	03/25/25 19:13	
Isopropylbenzene	ND	U	2.0	1	03/25/25 19:13	
4-Isopropyltoluene	ND	U	2.0	1	03/25/25 19:13	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 15:26
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-07-FB2	**Units:**	ug/L
Lab Code:	K2502919-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/25/25 19:13	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/25/25 19:13	
Methylene Chloride	ND U	2.0	1	03/25/25 19:13	
Naphthalene	ND U	2.0	1	03/25/25 19:13	
n-Propylbenzene	ND U	2.0	1	03/25/25 19:13	
Styrene	ND U	0.50	1	03/25/25 19:13	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/25/25 19:13	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/25/25 19:13	
Tetrachloroethene (PCE)	ND U	0.50	1	03/25/25 19:13	*
Toluene	ND U	0.50	1	03/25/25 19:13	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/25/25 19:13	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/25/25 19:13	
1,1,2-Trichloroethane	ND U	0.50	1	03/25/25 19:13	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/25/25 19:13	*
Trichloroethene (TCE)	ND U	0.50	1	03/25/25 19:13	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/25/25 19:13	
1,2,3-Trichloropropane	ND U	0.50	1	03/25/25 19:13	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/25/25 19:13	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/25/25 19:13	
Vinyl Chloride	ND U	0.50	1	03/25/25 19:13	
o-Xylene	ND U	0.50	1	03/25/25 19:13	
m,p-Xylenes	ND U	0.50	1	03/25/25 19:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	68 - 117	03/25/25 19:13	
Dibromofluoromethane	113	73 - 122	03/25/25 19:13	
Toluene-d8	110	65 - 144	03/25/25 19:13	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 16:20
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-08-13I	**Units:**	ug/L
Lab Code:	K2502919-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/25/25 19:38	*
Benzene	ND U	0.50	1	03/25/25 19:38	
Bromobenzene	ND U	2.0	1	03/25/25 19:38	
Bromochloromethane	ND U	0.50	1	03/25/25 19:38	
Bromodichloromethane	ND U	0.50	1	03/25/25 19:38	
Bromoform	ND U	0.50	1	03/25/25 19:38	
Bromomethane	ND U	0.50	1	03/25/25 19:38	
2-Butanone (MEK)	ND U	20	1	03/25/25 19:38	
n-Butylbenzene	ND U	4.0	1	03/25/25 19:38	
sec-Butylbenzene	ND U	2.0	1	03/25/25 19:38	
tert-Butylbenzene	ND U	2.0	1	03/25/25 19:38	
Carbon Disulfide	ND U	0.50	1	03/25/25 19:38	
Carbon Tetrachloride	ND U	0.50	1	03/25/25 19:38	*
Chlorobenzene	ND U	0.50	1	03/25/25 19:38	
Chloroethane	ND U	0.50	1	03/25/25 19:38	
Chloroform	ND U	0.50	1	03/25/25 19:38	
Chloromethane	ND U	0.50	1	03/25/25 19:38	
2-Chlorotoluene	ND U	2.0	1	03/25/25 19:38	
4-Chlorotoluene	ND U	2.0	1	03/25/25 19:38	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/25/25 19:38	
Dibromochloromethane	ND U	0.50	1	03/25/25 19:38	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/25/25 19:38	
Dibromomethane	ND U	0.50	1	03/25/25 19:38	
1,2-Dichlorobenzene	ND U	0.50	1	03/25/25 19:38	
1,3-Dichlorobenzene	ND U	0.50	1	03/25/25 19:38	
1,4-Dichlorobenzene	ND U	0.50	1	03/25/25 19:38	
Dichlorodifluoromethane	ND U	0.50	1	03/25/25 19:38	*
1,1-Dichloroethane	ND U	0.50	1	03/25/25 19:38	
cis-1,2-Dichloroethene	ND U	0.50	1	03/25/25 19:38	
trans-1,2-Dichloroethene	ND U	0.50	1	03/25/25 19:38	
1,2-Dichloropropane	ND U	0.50	1	03/25/25 19:38	
1,3-Dichloropropane	ND U	0.50	1	03/25/25 19:38	
2,2-Dichloropropane	ND U	0.50	1	03/25/25 19:38	*
1,1-Dichloropropene	ND U	0.50	1	03/25/25 19:38	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/25/25 19:38	
trans-1,3-Dichloropropene	ND U	0.50	1	03/25/25 19:38	
Ethylbenzene	ND U	0.50	1	03/25/25 19:38	
Hexachlorobutadiene	ND U	2.0	1	03/25/25 19:38	
2-Hexanone	ND U	20	1	03/25/25 19:38	
Isopropylbenzene	ND U	2.0	1	03/25/25 19:38	
4-Isopropyltoluene	ND U	2.0	1	03/25/25 19:38	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 16:20
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-08-13I	**Units:**	ug/L
Lab Code:	K2502919-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/25/25 19:38	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/25/25 19:38	
Methylene Chloride	ND U	2.0	1	03/25/25 19:38	
Naphthalene	ND U	2.0	1	03/25/25 19:38	
n-Propylbenzene	ND U	2.0	1	03/25/25 19:38	
Styrene	ND U	0.50	1	03/25/25 19:38	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/25/25 19:38	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/25/25 19:38	
Tetrachloroethene (PCE)	ND U	0.50	1	03/25/25 19:38	*
Toluene	ND U	0.50	1	03/25/25 19:38	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/25/25 19:38	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/25/25 19:38	
1,1,2-Trichloroethane	ND U	0.50	1	03/25/25 19:38	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/25/25 19:38	*
Trichloroethene (TCE)	ND U	0.50	1	03/25/25 19:38	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/25/25 19:38	
1,2,3-Trichloropropane	ND U	0.50	1	03/25/25 19:38	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/25/25 19:38	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/25/25 19:38	
Vinyl Chloride	ND U	0.50	1	03/25/25 19:38	
o-Xylene	ND U	0.50	1	03/25/25 19:38	
m,p-Xylenes	ND U	0.50	1	03/25/25 19:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	68 - 117	03/25/25 19:38	
Dibromofluoromethane	114	73 - 122	03/25/25 19:38	
Toluene-d8	109	65 - 144	03/25/25 19:38	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 16:35
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-09-EB1	**Units:**	ug/L
Lab Code:	K2502919-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
Acetone	ND	U	20	1	03/25/25 20:03	*
Benzene	ND	U	0.50	1	03/25/25 20:03	
Bromobenzene	ND	U	2.0	1	03/25/25 20:03	
Bromochloromethane	ND	U	0.50	1	03/25/25 20:03	
Bromodichloromethane	**1.6**		0.50	1	03/25/25 20:03	
Bromoform	ND	U	0.50	1	03/25/25 20:03	
Bromomethane	ND	U	0.50	1	03/25/25 20:03	
2-Butanone (MEK)	ND	U	20	1	03/25/25 20:03	
n-Butylbenzene	ND	U	4.0	1	03/25/25 20:03	
sec-Butylbenzene	ND	U	2.0	1	03/25/25 20:03	
tert-Butylbenzene	ND	U	2.0	1	03/25/25 20:03	
Carbon Disulfide	ND	U	0.50	1	03/25/25 20:03	
Carbon Tetrachloride	ND	U	0.50	1	03/25/25 20:03	*
Chlorobenzene	ND	U	0.50	1	03/25/25 20:03	
Chloroethane	ND	U	0.50	1	03/25/25 20:03	
Chloroform	**15**		0.50	1	03/25/25 20:03	
Chloromethane	ND	U	0.50	1	03/25/25 20:03	
2-Chlorotoluene	ND	U	2.0	1	03/25/25 20:03	
4-Chlorotoluene	ND	U	2.0	1	03/25/25 20:03	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1	03/25/25 20:03	
Dibromochloromethane	ND	U	0.50	1	03/25/25 20:03	
1,2-Dibromoethane (EDB)	ND	U	2.0	1	03/25/25 20:03	
Dibromomethane	ND	U	0.50	1	03/25/25 20:03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/25/25 20:03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/25/25 20:03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/25/25 20:03	
Dichlorodifluoromethane	ND	U	0.50	1	03/25/25 20:03	*
1,1-Dichloroethane	ND	U	0.50	1	03/25/25 20:03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/25/25 20:03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/25/25 20:03	
1,2-Dichloropropane	ND	U	0.50	1	03/25/25 20:03	
1,3-Dichloropropane	ND	U	0.50	1	03/25/25 20:03	
2,2-Dichloropropane	ND	U	0.50	1	03/25/25 20:03	*
1,1-Dichloropropene	ND	U	0.50	1	03/25/25 20:03	*
cis-1,3-Dichloropropene	ND	U	0.50	1	03/25/25 20:03	
trans-1,3-Dichloropropene	ND	U	0.50	1	03/25/25 20:03	
Ethylbenzene	ND	U	0.50	1	03/25/25 20:03	
Hexachlorobutadiene	ND	U	2.0	1	03/25/25 20:03	
2-Hexanone	ND	U	20	1	03/25/25 20:03	
Isopropylbenzene	ND	U	2.0	1	03/25/25 20:03	
4-Isopropyltoluene	ND	U	2.0	1	03/25/25 20:03	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 16:35
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-09-EB1	**Units:**	ug/L
Lab Code:	K2502919-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/25/25 20:03	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/25/25 20:03	
Methylene Chloride	ND U	2.0	1	03/25/25 20:03	
Naphthalene	ND U	2.0	1	03/25/25 20:03	
n-Propylbenzene	ND U	2.0	1	03/25/25 20:03	
Styrene	ND U	0.50	1	03/25/25 20:03	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/25/25 20:03	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/25/25 20:03	
Tetrachloroethene (PCE)	ND U	0.50	1	03/25/25 20:03	*
Toluene	ND U	0.50	1	03/25/25 20:03	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/25/25 20:03	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/25/25 20:03	
1,1,2-Trichloroethane	ND U	0.50	1	03/25/25 20:03	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/25/25 20:03	*
Trichloroethene (TCE)	ND U	0.50	1	03/25/25 20:03	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/25/25 20:03	
1,2,3-Trichloropropane	ND U	0.50	1	03/25/25 20:03	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/25/25 20:03	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/25/25 20:03	
Vinyl Chloride	ND U	0.50	1	03/25/25 20:03	
o-Xylene	ND U	0.50	1	03/25/25 20:03	
m,p-Xylenes	ND U	0.50	1	03/25/25 20:03	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	68 - 117	03/25/25 20:03	
Dibromofluoromethane	113	73 - 122	03/25/25 20:03	
Toluene-d8	107	65 - 144	03/25/25 20:03	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 07:00
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	TB1	**Units:**	ug/L
Lab Code:	K2502919-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/25/25 16:21	*
Benzene	ND U	0.50	1	03/25/25 16:21	
Bromobenzene	ND U	2.0	1	03/25/25 16:21	
Bromochloromethane	ND U	0.50	1	03/25/25 16:21	
Bromodichloromethane	ND U	0.50	1	03/25/25 16:21	
Bromoform	ND U	0.50	1	03/25/25 16:21	
Bromomethane	ND U	0.50	1	03/25/25 16:21	
2-Butanone (MEK)	ND U	20	1	03/25/25 16:21	
n-Butylbenzene	ND U	4.0	1	03/25/25 16:21	
sec-Butylbenzene	ND U	2.0	1	03/25/25 16:21	
tert-Butylbenzene	ND U	2.0	1	03/25/25 16:21	
Carbon Disulfide	ND U	0.50	1	03/25/25 16:21	
Carbon Tetrachloride	ND U	0.50	1	03/25/25 16:21	*
Chlorobenzene	ND U	0.50	1	03/25/25 16:21	
Chloroethane	ND U	0.50	1	03/25/25 16:21	
Chloroform	ND U	0.50	1	03/25/25 16:21	
Chloromethane	ND U	0.50	1	03/25/25 16:21	
2-Chlorotoluene	ND U	2.0	1	03/25/25 16:21	
4-Chlorotoluene	ND U	2.0	1	03/25/25 16:21	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/25/25 16:21	
Dibromochloromethane	ND U	0.50	1	03/25/25 16:21	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/25/25 16:21	
Dibromomethane	ND U	0.50	1	03/25/25 16:21	
1,2-Dichlorobenzene	ND U	0.50	1	03/25/25 16:21	
1,3-Dichlorobenzene	ND U	0.50	1	03/25/25 16:21	
1,4-Dichlorobenzene	ND U	0.50	1	03/25/25 16:21	
Dichlorodifluoromethane	ND U	0.50	1	03/25/25 16:21	*
1,1-Dichloroethane	ND U	0.50	1	03/25/25 16:21	
cis-1,2-Dichloroethene	ND U	0.50	1	03/25/25 16:21	
trans-1,2-Dichloroethene	ND U	0.50	1	03/25/25 16:21	
1,2-Dichloropropane	ND U	0.50	1	03/25/25 16:21	
1,3-Dichloropropane	ND U	0.50	1	03/25/25 16:21	
2,2-Dichloropropane	ND U	0.50	1	03/25/25 16:21	*
1,1-Dichloropropene	ND U	0.50	1	03/25/25 16:21	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/25/25 16:21	
trans-1,3-Dichloropropene	ND U	0.50	1	03/25/25 16:21	
Ethylbenzene	ND U	0.50	1	03/25/25 16:21	
Hexachlorobutadiene	ND U	2.0	1	03/25/25 16:21	
2-Hexanone	ND U	20	1	03/25/25 16:21	
Isopropylbenzene	ND U	2.0	1	03/25/25 16:21	
4-Isopropyltoluene	ND U	2.0	1	03/25/25 16:21	

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 07:00
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	TB1	**Units:**	ug/L
Lab Code:	K2502919-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/25/25 16:21	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/25/25 16:21	
Methylene Chloride	ND U	2.0	1	03/25/25 16:21	
Naphthalene	ND U	2.0	1	03/25/25 16:21	
n-Propylbenzene	ND U	2.0	1	03/25/25 16:21	
Styrene	ND U	0.50	1	03/25/25 16:21	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/25/25 16:21	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/25/25 16:21	
Tetrachloroethene (PCE)	ND U	0.50	1	03/25/25 16:21	*
Toluene	ND U	0.50	1	03/25/25 16:21	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/25/25 16:21	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/25/25 16:21	
1,1,2-Trichloroethane	ND U	0.50	1	03/25/25 16:21	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/25/25 16:21	*
Trichloroethene (TCE)	ND U	0.50	1	03/25/25 16:21	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/25/25 16:21	
1,2,3-Trichloropropane	ND U	0.50	1	03/25/25 16:21	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/25/25 16:21	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/25/25 16:21	
Vinyl Chloride	ND U	0.50	1	03/25/25 16:21	
o-Xylene	ND U	0.50	1	03/25/25 16:21	
m,p-Xylenes	ND U	0.50	1	03/25/25 16:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	106	68 - 117	03/25/25 16:21	
Dibromofluoromethane	118	73 - 122	03/25/25 16:21	
Toluene-d8	110	65 - 144	03/25/25 16:21	

Metals

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 10:40
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-01-17S	**Basis:**	NA
Lab Code:	K2502919-001		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**28.2**	ug/L	4.0	1	03/24/25 12:17	03/21/25	
Manganese	6020B	**1.11**	ug/L	0.40	1	03/24/25 12:17	03/21/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 10:55
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-02-DUP2	**Basis:**	NA
Lab Code:	K2502919-002		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**28.0**	ug/L	4.0	1	03/24/25 12:19	03/21/25	
Manganese	6020B	**1.08**	ug/L	0.40	1	03/24/25 12:19	03/21/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 12:10
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-03-17D	**Basis:**	NA
Lab Code:	K2502919-003		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**111**	ug/L	4.0	1	03/24/25 12:28	03/21/25	
Manganese	6020B	**4090**	ug/L	2.0	5	03/24/25 12:38	03/21/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 13:05
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-04-17I	**Basis:**	NA
Lab Code:	K2502919-004		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**6420**	ug/L	4.0	1	03/24/25 12:30	03/21/25	
Manganese	6020B	**1470**	ug/L	0.40	1	03/24/25 12:30	03/21/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 14:22
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-05-27D	**Basis:**	NA
Lab Code:	K2502919-005		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**4.2**	ug/L	4.0	1	03/24/25 12:32	03/21/25	
Manganese	6020B	**0.83**	ug/L	0.40	1	03/24/25 12:32	03/21/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 15:15
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-06-13D	**Basis:**	NA
Lab Code:	K2502919-006		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	4.0	1	03/24/25 12:34	03/21/25	
Manganese	6020B	ND U	ug/L	0.40	1	03/24/25 12:34	03/21/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 15:26
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-07-FB2	**Basis:**	NA
Lab Code:	K2502919-007		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	4.0	1	03/24/25 11:52	03/21/25	
Manganese	6020B	ND U	ug/L	0.40	1	03/24/25 11:52	03/21/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 16:20
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-08-13I	**Basis:**	NA
Lab Code:	K2502919-008		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	4.0	1	03/24/25 12:36	03/21/25	
Manganese	6020B	ND U	ug/L	0.40	1	03/24/25 12:36	03/21/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 16:35
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-09-EB1	**Basis:**	NA
Lab Code:	K2502919-009		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	4.0	1	03/24/25 11:54	03/21/25	
Manganese	6020B	ND U	ug/L	0.40	1	03/24/25 11:54	03/21/25	

General Chemistry

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Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 10:40
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-01-17S	**Basis:**	NA
Lab Code:	K2502919-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**7.99**	mg/L	0.20	2	03/20/25 22:22	
Nitrate as Nitrogen	300.0	**7.97**	mg/L	0.10	2	03/20/25 22:22	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 10:40
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-01-17S	**Basis:**	NA
Lab Code:	K2502919-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**248**	mg/L	10	1	03/21/25 16:34	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 10:55
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-02-DUP2	**Basis:**	NA
Lab Code:	K2502919-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**7.95**	mg/L	0.20	2	03/20/25 22:56	
Nitrate as Nitrogen	300.0	**8.07**	mg/L	0.10	2	03/20/25 22:56	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 10:55
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-02-DUP2	**Basis:**	NA
Lab Code:	K2502919-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**245**	mg/L	10	1	03/21/25 16:34	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 12:10
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-03-17D	**Basis:**	NA
Lab Code:	K2502919-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**9.13**	mg/L	0.20	2	03/21/25 00:06	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.10	2	03/21/25 00:06	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 12:10
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-03-17D	**Basis:**	NA
Lab Code:	K2502919-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**182**	mg/L	10	1	03/21/25 16:34	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 13:05
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-04-17I	**Basis:**	NA
Lab Code:	K2502919-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**8.90**	mg/L	0.20	2	03/21/25 00:15	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.10	2	03/21/25 00:15	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 13:05
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-04-17I	**Basis:**	NA
Lab Code:	K2502919-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**182**	mg/L	10	1	03/21/25 16:34	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 14:22
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-05-27D	**Basis:**	NA
Lab Code:	K2502919-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**6.73**	mg/L	0.20	2	03/21/25 00:23	
Nitrate as Nitrogen	300.0	**4.29**	mg/L	0.10	2	03/21/25 00:23	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 14:22
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-05-27D	**Basis:**	NA
Lab Code:	K2502919-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**206**	mg/L	10	1	03/21/25 16:34	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 15:15
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-06-13D	**Basis:**	NA
Lab Code:	K2502919-006		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**5.10**	mg/L	0.20	2	03/21/25 00:32	
Nitrate as Nitrogen	300.0	**4.66**	mg/L	0.10	2	03/21/25 00:32	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 15:15
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-06-13D	**Basis:**	NA
Lab Code:	K2502919-006		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**181**	mg/L	10	1	03/21/25 16:34	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 15:26
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-07-FB2	**Basis:**	NA
Lab Code:	K2502919-007		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	03/21/25 00:41	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.050	1	03/21/25 00:41	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 15:26
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-07-FB2	**Basis:**	NA
Lab Code:	K2502919-007		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	03/22/25 15:21	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 16:20
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-08-13I	**Basis:**	NA
Lab Code:	K2502919-008		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**7.37**	mg/L	0.20	2	03/21/25 00:49	
Nitrate as Nitrogen	300.0	**3.83**	mg/L	0.10	2	03/21/25 00:49	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 16:20
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-08-13I	**Basis:**	NA
Lab Code:	K2502919-008		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**194**	mg/L	10	1	03/22/25 15:21	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 16:35
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-09-EB1	**Basis:**	NA
Lab Code:	K2502919-009		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.20	2	03/21/25 00:58	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.10	2	03/21/25 00:58	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25 16:35
Sample Matrix:	Water	**Date Received:**	03/20/25 09:56
Sample Name:	LB-031925-09-EB1	**Basis:**	NA
Lab Code:	K2502919-009		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	03/22/25 15:21	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

ALS Environmental—Kelso Laboratory
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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: SCS Engineers **Service Request:** K2502919
Project: Leichner Landfill/04225030.13
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: None

Sample Name	Lab Code	4-Bromofluorobenzene 68 - 117	Dibromofluoromethane 73 - 122	Toluene-d8 65 - 144
LB-031925-01-17S	K2502919-001	104	118	107
LB-031925-02-DUP2	K2502919-002	109	114	109
LB-031925-03-17D	K2502919-003	110	115	110
LB-031925-04-17I	K2502919-004	108	112	110
LB-031925-05-27D	K2502919-005	105	116	108
LB-031925-06-13D	K2502919-006	108	118	111
LB-031925-07-FB2	K2502919-007	104	113	110
LB-031925-08-13I	K2502919-008	105	114	109
LB-031925-09-EB1	K2502919-009	104	113	107
TB1	K2502919-010	106	118	110
Lab Control Sample	KQ2505047-03	111	119	112
Duplicate Lab Control Sample	KQ2505047-04	107	115	111
Method Blank	KQ2505047-05	105	115	108

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2505047-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/25/25 15:31	
Benzene	ND U	0.50	1	03/25/25 15:31	
Bromobenzene	ND U	2.0	1	03/25/25 15:31	
Bromochloromethane	ND U	0.50	1	03/25/25 15:31	
Bromodichloromethane	ND U	0.50	1	03/25/25 15:31	
Bromoform	ND U	0.50	1	03/25/25 15:31	
Bromomethane	ND U	0.50	1	03/25/25 15:31	
2-Butanone (MEK)	ND U	20	1	03/25/25 15:31	
n-Butylbenzene	ND U	4.0	1	03/25/25 15:31	
sec-Butylbenzene	ND U	2.0	1	03/25/25 15:31	
tert-Butylbenzene	ND U	2.0	1	03/25/25 15:31	
Carbon Disulfide	ND U	0.50	1	03/25/25 15:31	
Carbon Tetrachloride	ND U	0.50	1	03/25/25 15:31	
Chlorobenzene	ND U	0.50	1	03/25/25 15:31	
Chloroethane	ND U	0.50	1	03/25/25 15:31	
Chloroform	ND U	0.50	1	03/25/25 15:31	
Chloromethane	ND U	0.50	1	03/25/25 15:31	
2-Chlorotoluene	ND U	2.0	1	03/25/25 15:31	
4-Chlorotoluene	ND U	2.0	1	03/25/25 15:31	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/25/25 15:31	
Dibromochloromethane	ND U	0.50	1	03/25/25 15:31	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/25/25 15:31	
Dibromomethane	ND U	0.50	1	03/25/25 15:31	
1,2-Dichlorobenzene	ND U	0.50	1	03/25/25 15:31	
1,3-Dichlorobenzene	ND U	0.50	1	03/25/25 15:31	
1,4-Dichlorobenzene	ND U	0.50	1	03/25/25 15:31	
Dichlorodifluoromethane	ND U	0.50	1	03/25/25 15:31	
1,1-Dichloroethane	ND U	0.50	1	03/25/25 15:31	
cis-1,2-Dichloroethene	ND U	0.50	1	03/25/25 15:31	
trans-1,2-Dichloroethene	ND U	0.50	1	03/25/25 15:31	
1,2-Dichloropropane	ND U	0.50	1	03/25/25 15:31	
1,3-Dichloropropane	ND U	0.50	1	03/25/25 15:31	
2,2-Dichloropropane	ND U	0.50	1	03/25/25 15:31	
1,1-Dichloropropene	ND U	0.50	1	03/25/25 15:31	
cis-1,3-Dichloropropene	ND U	0.50	1	03/25/25 15:31	
trans-1,3-Dichloropropene	ND U	0.50	1	03/25/25 15:31	
Ethylbenzene	ND U	0.50	1	03/25/25 15:31	
Hexachlorobutadiene	ND U	2.0	1	03/25/25 15:31	
2-Hexanone	ND U	20	1	03/25/25 15:31	
Isopropylbenzene	ND U	2.0	1	03/25/25 15:31	
4-Isopropyltoluene	ND U	2.0	1	03/25/25 15:31	

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2505047-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/25/25 15:31	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/25/25 15:31	
Methylene Chloride	ND U	2.0	1	03/25/25 15:31	
Naphthalene	ND U	2.0	1	03/25/25 15:31	
n-Propylbenzene	ND U	2.0	1	03/25/25 15:31	
Styrene	ND U	0.50	1	03/25/25 15:31	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/25/25 15:31	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/25/25 15:31	
Tetrachloroethene (PCE)	ND U	0.50	1	03/25/25 15:31	
Toluene	ND U	0.50	1	03/25/25 15:31	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/25/25 15:31	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/25/25 15:31	
1,1,2-Trichloroethane	ND U	0.50	1	03/25/25 15:31	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/25/25 15:31	
Trichloroethene (TCE)	ND U	0.50	1	03/25/25 15:31	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/25/25 15:31	
1,2,3-Trichloropropane	ND U	0.50	1	03/25/25 15:31	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/25/25 15:31	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/25/25 15:31	
Vinyl Chloride	ND U	0.50	1	03/25/25 15:31	
o-Xylene	ND U	0.50	1	03/25/25 15:31	
m,p-Xylenes	ND U	0.50	1	03/25/25 15:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	68 - 117	03/25/25 15:31	
Dibromofluoromethane	115	73 - 122	03/25/25 15:31	
Toluene-d8	108	65 - 144	03/25/25 15:31	

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Analyzed:**	03/25/25
Sample Matrix:	Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	873848

	Lab Control Sample KQ2505047-03			Duplicate Lab Control Sample KQ2505047-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	9.51	10.0	95	9.85	10.0	99	66-124	4	30
1,1,1-Trichloroethane (TCA)	11.4	10.0	114	11.9	10.0	119	59-136	4	30
1,1,2,2-Tetrachloroethane	8.96	10.0	90	9.34	10.0	93	70-127	4	30
1,1,2-Trichloroethane	8.99	10.0	90	9.13	10.0	91	74-118	2	30
1,1-Dichloroethane	10.0	10.0	100	10.5	10.0	105	68-132	4	30
1,1-Dichloropropene	10.8	10.0	108	11.6	10.0	116	59-134	7	30
1,2,3-Trichlorobenzene	10.2	10.0	102	10.3	10.0	103	68-120	1	30
1,2,3-Trichloropropane	9.26	10.0	93	9.24	10.0	92	69-123	<1	30
1,2,4-Trichlorobenzene	8.46	10.0	85	8.88	10.0	89	58-126	5	30
1,2,4-Trimethylbenzene	8.84	10.0	88	9.22	10.0	92	63-122	4	30
1,2-Dibromo-3-chloropropane	9.62	10.0	96	9.77	10.0	98	55-132	2	30
1,2-Dibromoethane (EDB)	9.60	10.0	96	9.88	10.0	99	74-118	3	30
1,2-Dichlorobenzene	9.39	10.0	94	9.74	10.0	97	72-115	4	30
1,2-Dichloropropane	8.93	10.0	89	9.34	10.0	93	67-126	4	30
1,3,5-Trimethylbenzene	9.18	10.0	92	9.34	10.0	93	62-126	2	30
1,3-Dichlorobenzene	9.70	10.0	97	10.0	10.0	100	70-116	3	30
1,3-Dichloropropane	9.17	10.0	92	9.78	10.0	98	75-116	6	30
1,4-Dichlorobenzene	9.52	10.0	95	9.77	10.0	98	73-115	3	30
2,2-Dichloropropane	9.95	10.0	100	10.6	10.0	106	37-145	7	30
2-Butanone (MEK)	53.7	50.0	107	52.6	50.0	105	71-149	2	30
2-Chlorotoluene	9.21	10.0	92	9.54	10.0	95	55-131	4	30
2-Hexanone	48.2	50.0	96	51.9	50.0	104	59-131	7	30
4-Chlorotoluene	8.86	10.0	89	8.90	10.0	89	66-121	<1	30
4-Isopropyltoluene	9.72	10.0	97	9.89	10.0	99	61-128	2	30
4-Methyl-2-pentanone (MIBK)	49.4	50.0	99	53.2	50.0	106	64-134	7	30
Acetone	66.0	50.0	132	62.8	50.0	126	68-135	5	30
Benzene	9.85	10.0	99	10.6	10.0	106	69-124	7	30
Bromobenzene	9.37	10.0	94	9.71	10.0	97	72-116	4	30
Bromochloromethane	10.9	10.0	109	11.5	10.0	115	75-131	5	30
Bromodichloromethane	10.4	10.0	104	11.0	10.0	110	63-129	5	30
Bromoform	9.70	10.0	97	9.80	10.0	98	52-144	1	30
Bromomethane	9.93	10.0	99	7.91	10.0	79	35-113	23	30
Carbon Disulfide	18.4	20.0	92	19.5	20.0	97	46-144	6	30
Carbon Tetrachloride	12.0	10.0	120	12.1	10.0	121	55-140	<1	30
Chlorobenzene	9.33	10.0	93	9.78	10.0	98	72-116	5	30
Chloroethane	11.5	10.0	115	8.61	10.0	86	58-134	28	30
Chloroform	10.1	10.0	101	10.6	10.0	106	70-129	5	30
Chloromethane	8.43	10.0	84	8.81	10.0	88	34-130	4	30
cis-1,2-Dichloroethene	9.41	10.0	94	10.1	10.0	101	71-118	7	30
cis-1,3-Dichloropropene	9.39	10.0	94	10.2	10.0	102	62-132	9	30
Dibromochloromethane	9.73	10.0	97	10.2	10.0	102	67-126	4	30

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Analyzed:**	03/25/25
Sample Matrix:	Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	873848

	Lab Control Sample KQ2505047-03			Duplicate Lab Control Sample KQ2505047-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Dibromomethane	10.4	10.0	104	11.0	10.0	110	69-128	6	30
Dichlorodifluoromethane	11.5	10.0	115	12.1	10.0	121	32-124	5	30
Ethylbenzene	9.40	10.0	94	9.75	10.0	98	67-121	4	30
Hexachlorobutadiene	9.00	10.0	90	8.80	10.0	88	57-119	2	30
Isopropylbenzene	8.60	10.0	86	8.92	10.0	89	67-129	4	30
m,p-Xylenes	19.0	20.0	95	19.9	20.0	99	69-121	4	30
Methyl tert-Butyl Ether	9.92	10.0	99	10.6	10.0	106	54-126	7	30
Methylene Chloride	9.61	10.0	96	9.95	10.0	100	71-122	3	30
Naphthalene	8.71	10.0	87	9.42	10.0	94	64-126	8	30
n-Butylbenzene	8.87	10.0	89	8.87	10.0	89	55-130	<1	30
n-Propylbenzene	9.39	10.0	94	9.62	10.0	96	61-124	2	30
o-Xylene	9.12	10.0	91	9.50	10.0	95	71-119	4	30
sec-Butylbenzene	9.66	10.0	97	9.76	10.0	98	59-128	1	30
Styrene	9.94	10.0	99	10.1	10.0	101	74-121	1	30
tert-Butylbenzene	9.50	10.0	95	10.0	10.0	100	61-127	6	30
Tetrachloroethene (PCE)	10.2	10.0	102	10.8	10.0	108	62-126	6	30
Toluene	10.0	10.0	100	10.4	10.0	104	69-124	4	30
trans-1,2-Dichloroethene	9.91	10.0	99	10.8	10.0	108	67-125	9	30
trans-1,3-Dichloropropene	8.76	10.0	88	9.11	10.0	91	59-125	4	30
Trichloroethene (TCE)	10.0	10.0	100	10.9	10.0	109	67-128	9	30
Trichlorofluoromethane (CFC 11)	10.9	10.0	109	11.0	10.0	110	52-141	<1	30
Vinyl Chloride	7.99	10.0	80	8.23	10.0	82	55-123	3	30

Metals

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	KQ2504553-01		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	4.0	1	03/24/25 11:48	03/21/25	
Manganese	6020B	ND U	ug/L	0.40	1	03/24/25 11:48	03/21/25	

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dba ALS Environmental

QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill/04225030.13
Sample Matrix: Water

Service Request: K2502919
Date Analyzed: 03/24/25

Lab Control Sample Summary
Dissolved Metals

Units:ug/L
Basis:NA

Lab Control Sample
KQ2504553-02

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Iron	6020B	51.4	50.0	103	80-120
Manganese	6020B	25.8	25.0	103	80-120

General Chemistry

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2502919-MB1		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	03/20/25 20:02	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.050	1	03/20/25 20:02	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2502919-MB1		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	03/21/25 16:34	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2502919-MB2		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	03/20/25 23:49	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.050	1	03/20/25 23:49	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2502919-MB2		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	03/21/25 16:34	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2502919-MB3		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	03/21/25 03:17	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.050	1	03/21/25 03:17	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2502919-MB3		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	03/22/25 15:21	

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QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill/04225030.13
Sample Matrix: Water

Service Request:K2502919
Date Collected:03/19/25
Date Received:03/20/25
Date Analyzed:3/20/25

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: LB-031925-01-17S
Lab Code: K2502919-001

Units:mg/L
Basis:NA

			Matrix Spike K2502919-001MS			Duplicate Matrix Spike K2502919-001DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chloride	300.0	7.99	23.3	16.0	96	23.3	16.0	96	90-110	<1	20
Nitrate as Nitrogen	300.0	7.97	15.8	8.00	98	15.8	8.00	98	90-110	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill/04225030.13
Sample Matrix: Water

Service Request:K2502919
Date Collected:03/19/25
Date Received:03/20/25
Date Analyzed:3/20/25

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: LB-031925-02-DUP2
Lab Code: K2502919-002

Units:mg/L
Basis:NA

			Matrix Spike K2502919-002MS			Duplicate Matrix Spike K2502919-002DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chloride	300.0	7.95	23.3	16.0	96	23.4	16.0	97	90-110	<1	20
Nitrate as Nitrogen	300.0	8.07	16.0	8.00	99	16.0	8.00	99	90-110	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25
Sample Matrix:	Water	**Date Received:**	03/20/25
		Date Analyzed:	03/20/25

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	LB-031925-01-17S	**Units:**	mg/L
Lab Code:	K2502919-001	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K2502919-001DUP Result	Average	RPD	RPD Limit
Chloride	300.0	0.20	7.99	8.01	8.00	<1	20
Nitrate as Nitrogen	300.0	0.10	7.97	7.99	7.98	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2502919
Project	Leichner Landfill/04225030.13	**Date Collected:**	03/19/25
Sample Matrix:	Water	**Date Received:**	03/20/25
		Date Analyzed:	03/20/25

Replicate Sample Summary
General Chemistry Parameters

Sample Name: LB-031925-02-DUP2 **Units:** mg/L

Lab Code: K2502919-002 **Basis:** NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K2502919-002DUP Result	Average	RPD	RPD Limit
Chloride	300.0	0.20	7.95	8.03	7.99	<1	20
Nitrate as Nitrogen	300.0	0.10	8.07	8.15	8.11	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill/04225030.13
Sample Matrix: Water

Service Request: K2502919
Date Analyzed: 03/20/25 - 03/21/25

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
K2502919-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	4.79	5.00	96	90-110
Nitrate as Nitrogen	300.0	2.50	2.50	100	90-110
Solids, Total Dissolved	SM 2540 C	1750	1760	100	85-115

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QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill/04225030.13
Sample Matrix: Water

Service Request: K2502919
Date Analyzed: 03/20/25 - 03/22/25

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
K2502919-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	4.81	5.00	96	90-110
Nitrate as Nitrogen	300.0	2.52	2.50	101	90-110
Solids, Total Dissolved	SM 2540 C	1730	1760	98	85-115

ALS Group USA, Corp.
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QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill/04225030.13
Sample Matrix: Water

Service Request: K2502919
Date Analyzed: 03/21/25

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
K2502919-LCS3

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	4.80	5.00	96	90-110
Nitrate as Nitrogen	300.0	2.51	2.50	100	90-110

March 31, 2025 Service Request No:K2502962

Barbara Lary
SCS Engineers
15940 SW 72nd Ave
Portland, OR 97224

Laboratory Results for: Leichner Landfill, WA

Dear Barbara,

Enclosed are the results of the sample(s) submitted to our laboratory March 21, 2025
For your reference, these analyses have been assigned our service request number **K2502962.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3376. You may also contact me via email at Mark.Harris@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Mark Harris
Project Manager

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dba ALS Environmental

Narrative Documents

ALS Environmental—Kelso Laboratory
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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: SCS Engineers
Project: Leichner Landfill, WA
Sample Matrix: Ground Water

Service Request: K2502962
Date Received: 03/21/2025

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Six ground water samples were received for analysis at ALS Environmental on 03/21/2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

Method 300.0, 03/24/2025:The analysis of samples in this delivery group was initially performed on 03/21/25. Due to instrument quality control issues the samples required reanalysis. The reanalysis of the samples was performed 2 days past the recommended holding time. The results from the reanalysis were reported. The data was flagged to indicate the holding time violation.

Volatiles by GC/MS:

Method 8260C, 03/27/2025:The upper control criterion was exceeded for Chloroethane, Dichlorodifluoromethane and Trichlorofluoromethane (CFC 11) in Continuing Calibration Verification (CCV) KQ2505144-02. The field samples analyzed in this sequence did not contain the analytes in question. Since the apparent problem indicated a potential high bias, the data quality was not affected. No further corrective action was required.
Method 8260C, 03/27/2025:The upper control criterion was exceeded for Dibromofluoromethane in sample TB1. No target analytes were detected in the sample. The error associated with an elevated recovery equated to a high bias. The quality of the sample data was not significantly affected. No further corrective action was appropriate.
Method 8260C, 03/27/2025:The advisory criterion was exceeded for Bromomethane, Chloroethane, Dichlorodifluoromethane and Trichlorotrifluoroethane (CFC 11) in Laboratory Control Sample (LCS) KQ2505144-03 and Duplicate Laboratory Control Sample (DLCS) KQ2505144-04. As per the ALS/Kelso Standard Operating Procedure (SOP) for this method, these compounds are not included in the subset of analytes used to control the analysis. The recovery information reported for these analytes is for advisory purposes. No further corrective action was required.

Method 8260C, 03/27/2025:Several analytes were flagged as outside the control criterion for Continuing Calibration Verification (CCV) KQ2505144-02. In accordance with the EPA Method, 80% or more of the CCV analytes must pass within 20% of the true value. The ALS SOP allows for 40% difference for the remaining analytes. The CCV met these criteria. The quality of the sample data was not significantly affected. No further corrective action was required.

Approved by Noe D. Diaz Date 03/31/2025

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: LB-032025-01-3D — **Lab ID: K2502962-001**

Analyte	Results	Flag	MDL	MRL	Units	Method
Chloride	5.26			0.20	mg/L	300.0
Nitrate as Nitrogen	4.42			0.10	mg/L	300.0
Solids, Total Dissolved	174			10	mg/L	SM 2540 C

CLIENT ID: LB-032025-02-DUP3 — **Lab ID: K2502962-002**

Analyte	Results	Flag	MDL	MRL	Units	Method
Chloride	5.22			0.20	mg/L	300.0
Nitrate as Nitrogen	4.41			0.10	mg/L	300.0
Solids, Total Dissolved	181			10	mg/L	SM 2540 C

CLIENT ID: LB-032025-03-3S — **Lab ID: K2502962-003**

Analyte	Results	Flag	MDL	MRL	Units	Method
Chloride	5.25			0.20	mg/L	300.0
Nitrate as Nitrogen	4.67			0.10	mg/L	300.0
Solids, Total Dissolved	176			10	mg/L	SM 2540 C

CLIENT ID: LB-032025-04-20S — **Lab ID: K2502962-004**

Analyte	Results	Flag	MDL	MRL	Units	Method
Chloride	5.91			0.20	mg/L	300.0
Iron, Dissolved	7.8			2.0	ug/L	6020B
Manganese, Dissolved	270			0.20	ug/L	6020B
Nitrate as Nitrogen	0.28			0.10	mg/L	300.0
Solids, Total Dissolved	191			10	mg/L	SM 2540 C

CLIENT ID: LB-032025-05-FB3 — **Lab ID: K2502962-005**

Analyte	Results	Flag	MDL	MRL	Units	Method
Chloroform	0.53			0.50	ug/L	8260C

Sample Receipt Information

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: SCS Engineers **Service Request:**K2502962

Project: Leichner Landfill, WA/04225030.13

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
K2502962-001	LB-032025-01-3D	3/20/2025	1236
K2502962-002	LB-032025-02-DUP3	3/20/2025	1245
K2502962-003	LB-032025-03-3S	3/20/2025	1340
K2502962-004	LB-032025-04-20S	3/20/2025	1510
K2502962-005	LB-032025-05-FB3	3/20/2025	1525
K2502962-006	TB1	3/20/2025	0700

ALS Environmental
1317 South 13th Ave
Kelso, WA 98626
(Tel) 360.577.7222
(Fax) 360.636.1068

Chain of Custody Form

Page 1 of 1

R2502962

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Leicher LF	A	Volatile organics (8260)
Work Order		Project Number	04285030.13	B	Dissolved metals (Fe, Mn) Field Filtered
Company Name	SCS Engineers	Bill To Company	~~Eurofins Environmental Testing~~	C	Cl, TDS, NO3
Send Report To	Eurofins Environmental Testing	Invoice Attn.	Janice Collins	D	
Address	15940 SW 72nd Ave	Address	4955 Yarrow Street Suite 100	E	
				F	
City/State/Zip	Portland OR 97224	City/State/Zip	~~Arvada CO 80002~~	G	
Phone	971-284-1297	Phone	303-~~736-0124~~	H	
Fax		Fax		I	
e-Mail Address	Blary@SCSengineers.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	Notes	Hold
1	LB-032025-01-3D	03/20/25	1236	W	1,2	5	X	X	X				NO3 Short hold Send Results and Invoice to Janice Collins/ Eurofins Environmental Testing Denver Janice.Collins@ET.EurofinsUS.com	
2	LB-032025-02-DUP3	03/20/25	1245	W	1,2	5	X	X	X					
3	LB-032025-03-3S	03/20/25	1340	W	1,2	5	X	X	X					
4	LB-032025-04-20S	03/20/25	1510	W	1,2	5	X	X	X					
5	LB-032025-05-FB3	03/20/25	1525	W	1,2	5	X	X	X					
6	TB1	03/24/25	0700	W	1	2	X							
7														
8														
9														
10														

Sampler(s): Please Print & Sign	Shipment Method:	Required Turnaround Time: (Check Box)	Results Due Date:
S. Campbell	Courier	☐ 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☑ Other	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
	03/21/25	0900		3/21/25	905	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:	
	3/21/25	1135		3/21/25	1135	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			

ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)	
		☐ Level II: Standard QC	☐ Level III: Raw Data
		☐ TRRP LRC	☐ TRRP Level IV
		☐ Level IV: SW846 Methods/CLP like	
		☐ Other:	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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Cooler Receipt and Preservation Form

PM MH

Client Eurofins Service Request K25 D29462

Received: 3/21/25 Opened: 3/21/25 By: AR Unloaded: 3/21/25 By: AR

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA (N) N If yes, how many and where? 1 Front
   If present, were custody seals intact? (Y) N If present, were they signed and dated? (Y) N

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / NA	Out of temp indicate with "X"	PM Notified If out of temp	Tracking Number NA	Filed
	2.2						

4. Was a Temperature Blank present in cooler? NA Y (N) If yes, notate the temperature in the appropriate column below:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA (Y) N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. (NA) Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Were samples received in good condition (unbroken) NA (Y) N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA (Y) N
10. Did all sample labels and tags agree with custody papers? NA (Y) N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA (Y) N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA (Y) N
14. Was C12/Res negative? (NA) Y N
15. Were samples received within method specified time limit? If not, notate the error below and notify the PM. (NA) Y N
16. Were 100mL sterile microbiology bottles filled exactly to the 100mL mark? (NA) Y N Underfilled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

SHORT HOLD TIME

Sample ID	Bottle Count Bottle Type	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, Resolutions: _____

Miscellaneous Forms

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value over the calibration range.
J	The result is an estimated value between the MDL and the MRL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13		

Sample Name:	LB-032025-01-3D	**Date Collected:**	03/20/25
Lab Code:	K2502962-001	**Date Received:**	03/21/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	SSOLADEY	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-032025-02-DUP3	**Date Collected:**	03/20/25
Lab Code:	K2502962-002	**Date Received:**	03/21/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	SSOLADEY	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-032025-03-3S	**Date Collected:**	03/20/25
Lab Code:	K2502962-003	**Date Received:**	03/21/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	SSOLADEY	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-032025-04-20S	**Date Collected:**	03/20/25
Lab Code:	K2502962-004	**Date Received:**	03/21/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13		

Sample Name:	LB-032025-04-20S	**Date Collected:**	03/20/25
Lab Code:	K2502962-004	**Date Received:**	03/21/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
6020B	SSOLADEY	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-032025-05-FB3	**Date Collected:**	03/20/25
Lab Code:	K2502962-005	**Date Received:**	03/21/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	SSOLADEY	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	TB1	**Date Collected:**	03/20/25
Lab Code:	K2502962-006	**Date Received:**	03/21/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Results

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
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Volatile Organic Compounds by GC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 12:36
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-01-3D	**Units:**	ug/L
Lab Code:	K2502962-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/27/25 15:49	*
Benzene	ND U	0.50	1	03/27/25 15:49	
Bromobenzene	ND U	2.0	1	03/27/25 15:49	
Bromochloromethane	ND U	0.50	1	03/27/25 15:49	
Bromodichloromethane	ND U	0.50	1	03/27/25 15:49	
Bromoform	ND U	0.50	1	03/27/25 15:49	
Bromomethane	ND U	0.50	1	03/27/25 15:49	*
2-Butanone (MEK)	ND U	20	1	03/27/25 15:49	
n-Butylbenzene	ND U	4.0	1	03/27/25 15:49	
sec-Butylbenzene	ND U	2.0	1	03/27/25 15:49	
tert-Butylbenzene	ND U	2.0	1	03/27/25 15:49	
Carbon Disulfide	ND U	0.50	1	03/27/25 15:49	
Carbon Tetrachloride	ND U	0.50	1	03/27/25 15:49	*
Chlorobenzene	ND U	0.50	1	03/27/25 15:49	
Chloroethane	ND U	0.50	1	03/27/25 15:49	*
Chloroform	ND U	0.50	1	03/27/25 15:49	
Chloromethane	ND U	0.50	1	03/27/25 15:49	
2-Chlorotoluene	ND U	2.0	1	03/27/25 15:49	
4-Chlorotoluene	ND U	2.0	1	03/27/25 15:49	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/27/25 15:49	
Dibromochloromethane	ND U	0.50	1	03/27/25 15:49	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/27/25 15:49	
Dibromomethane	ND U	0.50	1	03/27/25 15:49	
1,2-Dichlorobenzene	ND U	0.50	1	03/27/25 15:49	
1,3-Dichlorobenzene	ND U	0.50	1	03/27/25 15:49	
1,4-Dichlorobenzene	ND U	0.50	1	03/27/25 15:49	
Dichlorodifluoromethane	ND U	0.50	1	03/27/25 15:49	*
1,1-Dichloroethane	ND U	0.50	1	03/27/25 15:49	
cis-1,2-Dichloroethene	ND U	0.50	1	03/27/25 15:49	
trans-1,2-Dichloroethene	ND U	0.50	1	03/27/25 15:49	
1,2-Dichloropropane	ND U	0.50	1	03/27/25 15:49	
1,3-Dichloropropane	ND U	0.50	1	03/27/25 15:49	
2,2-Dichloropropane	ND U	0.50	1	03/27/25 15:49	
1,1-Dichloropropene	ND U	0.50	1	03/27/25 15:49	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/27/25 15:49	
trans-1,3-Dichloropropene	ND U	0.50	1	03/27/25 15:49	
Ethylbenzene	ND U	0.50	1	03/27/25 15:49	
Hexachlorobutadiene	ND U	2.0	1	03/27/25 15:49	
2-Hexanone	ND U	20	1	03/27/25 15:49	
Isopropylbenzene	ND U	2.0	1	03/27/25 15:49	
4-Isopropyltoluene	ND U	2.0	1	03/27/25 15:49	

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 12:36
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-01-3D	**Units:**	ug/L
Lab Code:	K2502962-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/27/25 15:49	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/27/25 15:49	
Methylene Chloride	ND U	2.0	1	03/27/25 15:49	
Naphthalene	ND U	2.0	1	03/27/25 15:49	
n-Propylbenzene	ND U	2.0	1	03/27/25 15:49	
Styrene	ND U	0.50	1	03/27/25 15:49	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/27/25 15:49	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/27/25 15:49	
Tetrachloroethene (PCE)	ND U	0.50	1	03/27/25 15:49	
Toluene	ND U	0.50	1	03/27/25 15:49	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/27/25 15:49	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/27/25 15:49	
1,1,2-Trichloroethane	ND U	0.50	1	03/27/25 15:49	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/27/25 15:49	*
Trichloroethene (TCE)	ND U	0.50	1	03/27/25 15:49	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/27/25 15:49	*
1,2,3-Trichloropropane	ND U	0.50	1	03/27/25 15:49	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/27/25 15:49	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/27/25 15:49	
Vinyl Chloride	ND U	0.50	1	03/27/25 15:49	
o-Xylene	ND U	0.50	1	03/27/25 15:49	
m,p-Xylenes	ND U	0.50	1	03/27/25 15:49	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	106	68 - 117	03/27/25 15:49	
Dibromofluoromethane	118	73 - 122	03/27/25 15:49	
Toluene-d8	109	65 - 144	03/27/25 15:49	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 12:45
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-02-DUP3	**Units:**	ug/L
Lab Code:	K2502962-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/27/25 16:14	*
Benzene	ND U	0.50	1	03/27/25 16:14	
Bromobenzene	ND U	2.0	1	03/27/25 16:14	
Bromochloromethane	ND U	0.50	1	03/27/25 16:14	
Bromodichloromethane	ND U	0.50	1	03/27/25 16:14	
Bromoform	ND U	0.50	1	03/27/25 16:14	
Bromomethane	ND U	0.50	1	03/27/25 16:14	*
2-Butanone (MEK)	ND U	20	1	03/27/25 16:14	
n-Butylbenzene	ND U	4.0	1	03/27/25 16:14	
sec-Butylbenzene	ND U	2.0	1	03/27/25 16:14	
tert-Butylbenzene	ND U	2.0	1	03/27/25 16:14	
Carbon Disulfide	ND U	0.50	1	03/27/25 16:14	
Carbon Tetrachloride	ND U	0.50	1	03/27/25 16:14	*
Chlorobenzene	ND U	0.50	1	03/27/25 16:14	
Chloroethane	ND U	0.50	1	03/27/25 16:14	*
Chloroform	ND U	0.50	1	03/27/25 16:14	
Chloromethane	ND U	0.50	1	03/27/25 16:14	
2-Chlorotoluene	ND U	2.0	1	03/27/25 16:14	
4-Chlorotoluene	ND U	2.0	1	03/27/25 16:14	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/27/25 16:14	
Dibromochloromethane	ND U	0.50	1	03/27/25 16:14	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/27/25 16:14	
Dibromomethane	ND U	0.50	1	03/27/25 16:14	
1,2-Dichlorobenzene	ND U	0.50	1	03/27/25 16:14	
1,3-Dichlorobenzene	ND U	0.50	1	03/27/25 16:14	
1,4-Dichlorobenzene	ND U	0.50	1	03/27/25 16:14	
Dichlorodifluoromethane	ND U	0.50	1	03/27/25 16:14	*
1,1-Dichloroethane	ND U	0.50	1	03/27/25 16:14	
cis-1,2-Dichloroethene	ND U	0.50	1	03/27/25 16:14	
trans-1,2-Dichloroethene	ND U	0.50	1	03/27/25 16:14	
1,2-Dichloropropane	ND U	0.50	1	03/27/25 16:14	
1,3-Dichloropropane	ND U	0.50	1	03/27/25 16:14	
2,2-Dichloropropane	ND U	0.50	1	03/27/25 16:14	
1,1-Dichloropropene	ND U	0.50	1	03/27/25 16:14	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/27/25 16:14	
trans-1,3-Dichloropropene	ND U	0.50	1	03/27/25 16:14	
Ethylbenzene	ND U	0.50	1	03/27/25 16:14	
Hexachlorobutadiene	ND U	2.0	1	03/27/25 16:14	
2-Hexanone	ND U	20	1	03/27/25 16:14	
Isopropylbenzene	ND U	2.0	1	03/27/25 16:14	
4-Isopropyltoluene	ND U	2.0	1	03/27/25 16:14	

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 12:45
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-02-DUP3	**Units:**	ug/L
Lab Code:	K2502962-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/27/25 16:14	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/27/25 16:14	
Methylene Chloride	ND U	2.0	1	03/27/25 16:14	
Naphthalene	ND U	2.0	1	03/27/25 16:14	
n-Propylbenzene	ND U	2.0	1	03/27/25 16:14	
Styrene	ND U	0.50	1	03/27/25 16:14	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/27/25 16:14	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/27/25 16:14	
Tetrachloroethene (PCE)	ND U	0.50	1	03/27/25 16:14	
Toluene	ND U	0.50	1	03/27/25 16:14	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/27/25 16:14	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/27/25 16:14	
1,1,2-Trichloroethane	ND U	0.50	1	03/27/25 16:14	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/27/25 16:14	*
Trichloroethene (TCE)	ND U	0.50	1	03/27/25 16:14	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/27/25 16:14	*
1,2,3-Trichloropropane	ND U	0.50	1	03/27/25 16:14	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/27/25 16:14	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/27/25 16:14	
Vinyl Chloride	ND U	0.50	1	03/27/25 16:14	
o-Xylene	ND U	0.50	1	03/27/25 16:14	
m,p-Xylenes	ND U	0.50	1	03/27/25 16:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	68 - 117	03/27/25 16:14	
Dibromofluoromethane	116	73 - 122	03/27/25 16:14	
Toluene-d8	108	65 - 144	03/27/25 16:14	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 13:40
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-03-3S	**Units:**	ug/L
Lab Code:	K2502962-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/27/25 16:39	*
Benzene	ND U	0.50	1	03/27/25 16:39	
Bromobenzene	ND U	2.0	1	03/27/25 16:39	
Bromochloromethane	ND U	0.50	1	03/27/25 16:39	
Bromodichloromethane	ND U	0.50	1	03/27/25 16:39	
Bromoform	ND U	0.50	1	03/27/25 16:39	
Bromomethane	ND U	0.50	1	03/27/25 16:39	*
2-Butanone (MEK)	ND U	20	1	03/27/25 16:39	
n-Butylbenzene	ND U	4.0	1	03/27/25 16:39	
sec-Butylbenzene	ND U	2.0	1	03/27/25 16:39	
tert-Butylbenzene	ND U	2.0	1	03/27/25 16:39	
Carbon Disulfide	ND U	0.50	1	03/27/25 16:39	
Carbon Tetrachloride	ND U	0.50	1	03/27/25 16:39	*
Chlorobenzene	ND U	0.50	1	03/27/25 16:39	
Chloroethane	ND U	0.50	1	03/27/25 16:39	*
Chloroform	ND U	0.50	1	03/27/25 16:39	
Chloromethane	ND U	0.50	1	03/27/25 16:39	
2-Chlorotoluene	ND U	2.0	1	03/27/25 16:39	
4-Chlorotoluene	ND U	2.0	1	03/27/25 16:39	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/27/25 16:39	
Dibromochloromethane	ND U	0.50	1	03/27/25 16:39	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/27/25 16:39	
Dibromomethane	ND U	0.50	1	03/27/25 16:39	
1,2-Dichlorobenzene	ND U	0.50	1	03/27/25 16:39	
1,3-Dichlorobenzene	ND U	0.50	1	03/27/25 16:39	
1,4-Dichlorobenzene	ND U	0.50	1	03/27/25 16:39	
Dichlorodifluoromethane	ND U	0.50	1	03/27/25 16:39	*
1,1-Dichloroethane	ND U	0.50	1	03/27/25 16:39	
cis-1,2-Dichloroethene	ND U	0.50	1	03/27/25 16:39	
trans-1,2-Dichloroethene	ND U	0.50	1	03/27/25 16:39	
1,2-Dichloropropane	ND U	0.50	1	03/27/25 16:39	
1,3-Dichloropropane	ND U	0.50	1	03/27/25 16:39	
2,2-Dichloropropane	ND U	0.50	1	03/27/25 16:39	
1,1-Dichloropropene	ND U	0.50	1	03/27/25 16:39	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/27/25 16:39	
trans-1,3-Dichloropropene	ND U	0.50	1	03/27/25 16:39	
Ethylbenzene	ND U	0.50	1	03/27/25 16:39	
Hexachlorobutadiene	ND U	2.0	1	03/27/25 16:39	
2-Hexanone	ND U	20	1	03/27/25 16:39	
Isopropylbenzene	ND U	2.0	1	03/27/25 16:39	
4-Isopropyltoluene	ND U	2.0	1	03/27/25 16:39	

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 13:40
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-03-3S	**Units:**	ug/L
Lab Code:	K2502962-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/27/25 16:39	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/27/25 16:39	
Methylene Chloride	ND U	2.0	1	03/27/25 16:39	
Naphthalene	ND U	2.0	1	03/27/25 16:39	
n-Propylbenzene	ND U	2.0	1	03/27/25 16:39	
Styrene	ND U	0.50	1	03/27/25 16:39	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/27/25 16:39	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/27/25 16:39	
Tetrachloroethene (PCE)	ND U	0.50	1	03/27/25 16:39	
Toluene	ND U	0.50	1	03/27/25 16:39	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/27/25 16:39	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/27/25 16:39	
1,1,2-Trichloroethane	ND U	0.50	1	03/27/25 16:39	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/27/25 16:39	*
Trichloroethene (TCE)	ND U	0.50	1	03/27/25 16:39	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/27/25 16:39	*
1,2,3-Trichloropropane	ND U	0.50	1	03/27/25 16:39	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/27/25 16:39	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/27/25 16:39	
Vinyl Chloride	ND U	0.50	1	03/27/25 16:39	
o-Xylene	ND U	0.50	1	03/27/25 16:39	
m,p-Xylenes	ND U	0.50	1	03/27/25 16:39	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	68 - 117	03/27/25 16:39	
Dibromofluoromethane	116	73 - 122	03/27/25 16:39	
Toluene-d8	108	65 - 144	03/27/25 16:39	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 15:10
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-04-20S	**Units:**	ug/L
Lab Code:	K2502962-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/27/25 17:04	*
Benzene	ND U	0.50	1	03/27/25 17:04	
Bromobenzene	ND U	2.0	1	03/27/25 17:04	
Bromochloromethane	ND U	0.50	1	03/27/25 17:04	
Bromodichloromethane	ND U	0.50	1	03/27/25 17:04	
Bromoform	ND U	0.50	1	03/27/25 17:04	
Bromomethane	ND U	0.50	1	03/27/25 17:04	*
2-Butanone (MEK)	ND U	20	1	03/27/25 17:04	
n-Butylbenzene	ND U	4.0	1	03/27/25 17:04	
sec-Butylbenzene	ND U	2.0	1	03/27/25 17:04	
tert-Butylbenzene	ND U	2.0	1	03/27/25 17:04	
Carbon Disulfide	ND U	0.50	1	03/27/25 17:04	
Carbon Tetrachloride	ND U	0.50	1	03/27/25 17:04	*
Chlorobenzene	ND U	0.50	1	03/27/25 17:04	
Chloroethane	ND U	0.50	1	03/27/25 17:04	*
Chloroform	ND U	0.50	1	03/27/25 17:04	
Chloromethane	ND U	0.50	1	03/27/25 17:04	
2-Chlorotoluene	ND U	2.0	1	03/27/25 17:04	
4-Chlorotoluene	ND U	2.0	1	03/27/25 17:04	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/27/25 17:04	
Dibromochloromethane	ND U	0.50	1	03/27/25 17:04	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/27/25 17:04	
Dibromomethane	ND U	0.50	1	03/27/25 17:04	
1,2-Dichlorobenzene	ND U	0.50	1	03/27/25 17:04	
1,3-Dichlorobenzene	ND U	0.50	1	03/27/25 17:04	
1,4-Dichlorobenzene	ND U	0.50	1	03/27/25 17:04	
Dichlorodifluoromethane	ND U	0.50	1	03/27/25 17:04	*
1,1-Dichloroethane	ND U	0.50	1	03/27/25 17:04	
cis-1,2-Dichloroethene	ND U	0.50	1	03/27/25 17:04	
trans-1,2-Dichloroethene	ND U	0.50	1	03/27/25 17:04	
1,2-Dichloropropane	ND U	0.50	1	03/27/25 17:04	
1,3-Dichloropropane	ND U	0.50	1	03/27/25 17:04	
2,2-Dichloropropane	ND U	0.50	1	03/27/25 17:04	
1,1-Dichloropropene	ND U	0.50	1	03/27/25 17:04	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/27/25 17:04	
trans-1,3-Dichloropropene	ND U	0.50	1	03/27/25 17:04	
Ethylbenzene	ND U	0.50	1	03/27/25 17:04	
Hexachlorobutadiene	ND U	2.0	1	03/27/25 17:04	
2-Hexanone	ND U	20	1	03/27/25 17:04	
Isopropylbenzene	ND U	2.0	1	03/27/25 17:04	
4-Isopropyltoluene	ND U	2.0	1	03/27/25 17:04	

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 15:10
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-04-20S	**Units:**	ug/L
Lab Code:	K2502962-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/27/25 17:04	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/27/25 17:04	
Methylene Chloride	ND U	2.0	1	03/27/25 17:04	
Naphthalene	ND U	2.0	1	03/27/25 17:04	
n-Propylbenzene	ND U	2.0	1	03/27/25 17:04	
Styrene	ND U	0.50	1	03/27/25 17:04	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/27/25 17:04	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/27/25 17:04	
Tetrachloroethene (PCE)	ND U	0.50	1	03/27/25 17:04	
Toluene	ND U	0.50	1	03/27/25 17:04	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/27/25 17:04	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/27/25 17:04	
1,1,2-Trichloroethane	ND U	0.50	1	03/27/25 17:04	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/27/25 17:04	*
Trichloroethene (TCE)	ND U	0.50	1	03/27/25 17:04	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/27/25 17:04	*
1,2,3-Trichloropropane	ND U	0.50	1	03/27/25 17:04	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/27/25 17:04	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/27/25 17:04	
Vinyl Chloride	ND U	0.50	1	03/27/25 17:04	
o-Xylene	ND U	0.50	1	03/27/25 17:04	
m,p-Xylenes	ND U	0.50	1	03/27/25 17:04	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	68 - 117	03/27/25 17:04	
Dibromofluoromethane	115	73 - 122	03/27/25 17:04	
Toluene-d8	112	65 - 144	03/27/25 17:04	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 15:25
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-05-FB3	**Units:**	ug/L
Lab Code:	K2502962-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/27/25 17:28	*
Benzene	ND U	0.50	1	03/27/25 17:28	
Bromobenzene	ND U	2.0	1	03/27/25 17:28	
Bromochloromethane	ND U	0.50	1	03/27/25 17:28	
Bromodichloromethane	ND U	0.50	1	03/27/25 17:28	
Bromoform	ND U	0.50	1	03/27/25 17:28	
Bromomethane	ND U	0.50	1	03/27/25 17:28	*
2-Butanone (MEK)	ND U	20	1	03/27/25 17:28	
n-Butylbenzene	ND U	4.0	1	03/27/25 17:28	
sec-Butylbenzene	ND U	2.0	1	03/27/25 17:28	
tert-Butylbenzene	ND U	2.0	1	03/27/25 17:28	
Carbon Disulfide	ND U	0.50	1	03/27/25 17:28	
Carbon Tetrachloride	ND U	0.50	1	03/27/25 17:28	*
Chlorobenzene	ND U	0.50	1	03/27/25 17:28	
Chloroethane	ND U	0.50	1	03/27/25 17:28	*
Chloroform	**0.53**	0.50	1	03/27/25 17:28	
Chloromethane	ND U	0.50	1	03/27/25 17:28	
2-Chlorotoluene	ND U	2.0	1	03/27/25 17:28	
4-Chlorotoluene	ND U	2.0	1	03/27/25 17:28	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/27/25 17:28	
Dibromochloromethane	ND U	0.50	1	03/27/25 17:28	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/27/25 17:28	
Dibromomethane	ND U	0.50	1	03/27/25 17:28	
1,2-Dichlorobenzene	ND U	0.50	1	03/27/25 17:28	
1,3-Dichlorobenzene	ND U	0.50	1	03/27/25 17:28	
1,4-Dichlorobenzene	ND U	0.50	1	03/27/25 17:28	
Dichlorodifluoromethane	ND U	0.50	1	03/27/25 17:28	*
1,1-Dichloroethane	ND U	0.50	1	03/27/25 17:28	
cis-1,2-Dichloroethene	ND U	0.50	1	03/27/25 17:28	
trans-1,2-Dichloroethene	ND U	0.50	1	03/27/25 17:28	
1,2-Dichloropropane	ND U	0.50	1	03/27/25 17:28	
1,3-Dichloropropane	ND U	0.50	1	03/27/25 17:28	
2,2-Dichloropropane	ND U	0.50	1	03/27/25 17:28	
1,1-Dichloropropene	ND U	0.50	1	03/27/25 17:28	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/27/25 17:28	
trans-1,3-Dichloropropene	ND U	0.50	1	03/27/25 17:28	
Ethylbenzene	ND U	0.50	1	03/27/25 17:28	
Hexachlorobutadiene	ND U	2.0	1	03/27/25 17:28	
2-Hexanone	ND U	20	1	03/27/25 17:28	
Isopropylbenzene	ND U	2.0	1	03/27/25 17:28	
4-Isopropyltoluene	ND U	2.0	1	03/27/25 17:28	

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 15:25
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-05-FB3	**Units:**	ug/L
Lab Code:	K2502962-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/27/25 17:28	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/27/25 17:28	
Methylene Chloride	ND U	2.0	1	03/27/25 17:28	
Naphthalene	ND U	2.0	1	03/27/25 17:28	
n-Propylbenzene	ND U	2.0	1	03/27/25 17:28	
Styrene	ND U	0.50	1	03/27/25 17:28	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/27/25 17:28	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/27/25 17:28	
Tetrachloroethene (PCE)	ND U	0.50	1	03/27/25 17:28	
Toluene	ND U	0.50	1	03/27/25 17:28	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/27/25 17:28	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/27/25 17:28	
1,1,2-Trichloroethane	ND U	0.50	1	03/27/25 17:28	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/27/25 17:28	*
Trichloroethene (TCE)	ND U	0.50	1	03/27/25 17:28	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/27/25 17:28	*
1,2,3-Trichloropropane	ND U	0.50	1	03/27/25 17:28	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/27/25 17:28	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/27/25 17:28	
Vinyl Chloride	ND U	0.50	1	03/27/25 17:28	
o-Xylene	ND U	0.50	1	03/27/25 17:28	
m,p-Xylenes	ND U	0.50	1	03/27/25 17:28	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	106	68 - 117	03/27/25 17:28	
Dibromofluoromethane	119	73 - 122	03/27/25 17:28	
Toluene-d8	110	65 - 144	03/27/25 17:28	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 07:00
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	TB1	**Units:**	ug/L
Lab Code:	K2502962-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/27/25 13:21	*
Benzene	ND U	0.50	1	03/27/25 13:21	
Bromobenzene	ND U	2.0	1	03/27/25 13:21	
Bromochloromethane	ND U	0.50	1	03/27/25 13:21	
Bromodichloromethane	ND U	0.50	1	03/27/25 13:21	
Bromoform	ND U	0.50	1	03/27/25 13:21	
Bromomethane	ND U	0.50	1	03/27/25 13:21	*
2-Butanone (MEK)	ND U	20	1	03/27/25 13:21	
n-Butylbenzene	ND U	4.0	1	03/27/25 13:21	
sec-Butylbenzene	ND U	2.0	1	03/27/25 13:21	
tert-Butylbenzene	ND U	2.0	1	03/27/25 13:21	
Carbon Disulfide	ND U	0.50	1	03/27/25 13:21	
Carbon Tetrachloride	ND U	0.50	1	03/27/25 13:21	*
Chlorobenzene	ND U	0.50	1	03/27/25 13:21	
Chloroethane	ND U	0.50	1	03/27/25 13:21	*
Chloroform	ND U	0.50	1	03/27/25 13:21	
Chloromethane	ND U	0.50	1	03/27/25 13:21	
2-Chlorotoluene	ND U	2.0	1	03/27/25 13:21	
4-Chlorotoluene	ND U	2.0	1	03/27/25 13:21	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/27/25 13:21	
Dibromochloromethane	ND U	0.50	1	03/27/25 13:21	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/27/25 13:21	
Dibromomethane	ND U	0.50	1	03/27/25 13:21	
1,2-Dichlorobenzene	ND U	0.50	1	03/27/25 13:21	
1,3-Dichlorobenzene	ND U	0.50	1	03/27/25 13:21	
1,4-Dichlorobenzene	ND U	0.50	1	03/27/25 13:21	
Dichlorodifluoromethane	ND U	0.50	1	03/27/25 13:21	*
1,1-Dichloroethane	ND U	0.50	1	03/27/25 13:21	
cis-1,2-Dichloroethene	ND U	0.50	1	03/27/25 13:21	
trans-1,2-Dichloroethene	ND U	0.50	1	03/27/25 13:21	
1,2-Dichloropropane	ND U	0.50	1	03/27/25 13:21	
1,3-Dichloropropane	ND U	0.50	1	03/27/25 13:21	
2,2-Dichloropropane	ND U	0.50	1	03/27/25 13:21	
1,1-Dichloropropene	ND U	0.50	1	03/27/25 13:21	*
cis-1,3-Dichloropropene	ND U	0.50	1	03/27/25 13:21	
trans-1,3-Dichloropropene	ND U	0.50	1	03/27/25 13:21	
Ethylbenzene	ND U	0.50	1	03/27/25 13:21	
Hexachlorobutadiene	ND U	2.0	1	03/27/25 13:21	
2-Hexanone	ND U	20	1	03/27/25 13:21	
Isopropylbenzene	ND U	2.0	1	03/27/25 13:21	
4-Isopropyltoluene	ND U	2.0	1	03/27/25 13:21	

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 07:00
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	TB1	**Units:**	ug/L
Lab Code:	K2502962-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/27/25 13:21	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/27/25 13:21	
Methylene Chloride	ND U	2.0	1	03/27/25 13:21	
Naphthalene	ND U	2.0	1	03/27/25 13:21	
n-Propylbenzene	ND U	2.0	1	03/27/25 13:21	
Styrene	ND U	0.50	1	03/27/25 13:21	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/27/25 13:21	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/27/25 13:21	
Tetrachloroethene (PCE)	ND U	0.50	1	03/27/25 13:21	
Toluene	ND U	0.50	1	03/27/25 13:21	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/27/25 13:21	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/27/25 13:21	
1,1,2-Trichloroethane	ND U	0.50	1	03/27/25 13:21	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/27/25 13:21	*
Trichloroethene (TCE)	ND U	0.50	1	03/27/25 13:21	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/27/25 13:21	*
1,2,3-Trichloropropane	ND U	0.50	1	03/27/25 13:21	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/27/25 13:21	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/27/25 13:21	
Vinyl Chloride	ND U	0.50	1	03/27/25 13:21	
o-Xylene	ND U	0.50	1	03/27/25 13:21	
m,p-Xylenes	ND U	0.50	1	03/27/25 13:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	108	68 - 117	03/27/25 13:21	
Dibromofluoromethane	123	73 - 122	03/27/25 13:21	*
Toluene-d8	111	65 - 144	03/27/25 13:21	

Metals

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 12:36
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-01-3D	**Basis:**	NA
Lab Code:	K2502962-001		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	03/25/25 11:22	03/24/25	
Manganese	6020B	ND U	ug/L	0.20	1	03/25/25 11:22	03/24/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 12:45
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-02-DUP3	**Basis:**	NA
Lab Code:	K2502962-002		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	03/25/25 11:30	03/24/25	
Manganese	6020B	ND U	ug/L	0.20	1	03/25/25 11:30	03/24/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 13:40
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-03-3S	**Basis:**	NA
Lab Code:	K2502962-003		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	03/25/25 11:31	03/24/25	
Manganese	6020B	ND U	ug/L	0.20	1	03/25/25 11:31	03/24/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 15:10
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-04-20S	**Basis:**	NA
Lab Code:	K2502962-004		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**7.8**	ug/L	2.0	1	03/25/25 11:33	03/24/25	
Manganese	6020B	**270**	ug/L	0.20	1	03/25/25 11:33	03/24/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 15:25
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-05-FB3	**Basis:**	NA
Lab Code:	K2502962-005		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	03/25/25 11:15	03/24/25	
Manganese	6020B	ND U	ug/L	0.20	1	03/25/25 11:15	03/24/25	

General Chemistry

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 12:36
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-01-3D	**Basis:**	NA
Lab Code:	K2502962-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**5.26**	mg/L	0.20	2	03/24/25 15:17	
Nitrate as Nitrogen	300.0	**4.42**	mg/L	0.10	2	03/24/25 15:17	*

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 12:36
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-01-3D	**Basis:**	NA
Lab Code:	K2502962-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**174**	mg/L	10	1	03/22/25 15:21	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 12:45
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-02-DUP3	**Basis:**	NA
Lab Code:	K2502962-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**5.22**	mg/L	0.20	2	03/24/25 15:51	
Nitrate as Nitrogen	300.0	**4.41**	mg/L	0.10	2	03/24/25 15:51	*

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 12:45
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-02-DUP3	**Basis:**	NA
Lab Code:	K2502962-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**181**	mg/L	10	1	03/22/25 15:21	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 13:40
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-03-3S	**Basis:**	NA
Lab Code:	K2502962-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**5.25**	mg/L	0.20	2	03/24/25 16:00	
Nitrate as Nitrogen	300.0	**4.67**	mg/L	0.10	2	03/24/25 16:00	*

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 13:40
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-03-3S	**Basis:**	NA
Lab Code:	K2502962-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**176**	mg/L	10	1	03/22/25 15:21	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 15:10
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-04-20S	**Basis:**	NA
Lab Code:	K2502962-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**5.91**	mg/L	0.20	2	03/24/25 16:09	
Nitrate as Nitrogen	300.0	**0.28**	mg/L	0.10	2	03/24/25 16:09	*

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 15:10
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-04-20S	**Basis:**	NA
Lab Code:	K2502962-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**191**	mg/L	10	1	03/22/25 15:21	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 15:25
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-05-FB3	**Basis:**	NA
Lab Code:	K2502962-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	03/24/25 16:17	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.050	1	03/24/25 16:17	*

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25 15:25
Sample Matrix:	Ground Water	**Date Received:**	03/21/25 11:35
Sample Name:	LB-032025-05-FB3	**Basis:**	NA
Lab Code:	K2502962-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	03/22/25 15:21	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: SCS Engineers **Service Request:** K2502962
Project: Leichner Landfill, WA/04225030.13
Sample Matrix: Ground Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: None

Sample Name	Lab Code	4-Bromofluorobenzene 68 - 117	Dibromofluoromethane 73 - 122	Toluene-d8 65 - 144
LB-032025-01-3D	K2502962-001	106	118	109
LB-032025-02-DUP3	K2502962-002	105	116	108
LB-032025-03-3S	K2502962-003	105	116	108
LB-032025-04-20S	K2502962-004	107	115	112
LB-032025-05-FB3	K2502962-005	106	119	110
TB1	K2502962-006	108	123 *	111
Lab Control Sample	KQ2505144-03	109	114	112
Duplicate Lab Control Sample	KQ2505144-04	112	121	113
Method Blank	KQ2505144-05	105	118	109

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2505144-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/27/25 12:56	
Benzene	ND U	0.50	1	03/27/25 12:56	
Bromobenzene	ND U	2.0	1	03/27/25 12:56	
Bromochloromethane	ND U	0.50	1	03/27/25 12:56	
Bromodichloromethane	ND U	0.50	1	03/27/25 12:56	
Bromoform	ND U	0.50	1	03/27/25 12:56	
Bromomethane	ND U	0.50	1	03/27/25 12:56	
2-Butanone (MEK)	ND U	20	1	03/27/25 12:56	
n-Butylbenzene	ND U	4.0	1	03/27/25 12:56	
sec-Butylbenzene	ND U	2.0	1	03/27/25 12:56	
tert-Butylbenzene	ND U	2.0	1	03/27/25 12:56	
Carbon Disulfide	ND U	0.50	1	03/27/25 12:56	
Carbon Tetrachloride	ND U	0.50	1	03/27/25 12:56	
Chlorobenzene	ND U	0.50	1	03/27/25 12:56	
Chloroethane	ND U	0.50	1	03/27/25 12:56	
Chloroform	ND U	0.50	1	03/27/25 12:56	
Chloromethane	ND U	0.50	1	03/27/25 12:56	
2-Chlorotoluene	ND U	2.0	1	03/27/25 12:56	
4-Chlorotoluene	ND U	2.0	1	03/27/25 12:56	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/27/25 12:56	
Dibromochloromethane	ND U	0.50	1	03/27/25 12:56	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/27/25 12:56	
Dibromomethane	ND U	0.50	1	03/27/25 12:56	
1,2-Dichlorobenzene	ND U	0.50	1	03/27/25 12:56	
1,3-Dichlorobenzene	ND U	0.50	1	03/27/25 12:56	
1,4-Dichlorobenzene	ND U	0.50	1	03/27/25 12:56	
Dichlorodifluoromethane	ND U	0.50	1	03/27/25 12:56	
1,1-Dichloroethane	ND U	0.50	1	03/27/25 12:56	
cis-1,2-Dichloroethene	ND U	0.50	1	03/27/25 12:56	
trans-1,2-Dichloroethene	ND U	0.50	1	03/27/25 12:56	
1,2-Dichloropropane	ND U	0.50	1	03/27/25 12:56	
1,3-Dichloropropane	ND U	0.50	1	03/27/25 12:56	
2,2-Dichloropropane	ND U	0.50	1	03/27/25 12:56	
1,1-Dichloropropene	ND U	0.50	1	03/27/25 12:56	
cis-1,3-Dichloropropene	ND U	0.50	1	03/27/25 12:56	
trans-1,3-Dichloropropene	ND U	0.50	1	03/27/25 12:56	
Ethylbenzene	ND U	0.50	1	03/27/25 12:56	
Hexachlorobutadiene	ND U	2.0	1	03/27/25 12:56	
2-Hexanone	ND U	20	1	03/27/25 12:56	
Isopropylbenzene	ND U	2.0	1	03/27/25 12:56	
4-Isopropyltoluene	ND U	2.0	1	03/27/25 12:56	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2505144-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/27/25 12:56	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/27/25 12:56	
Methylene Chloride	ND U	2.0	1	03/27/25 12:56	
Naphthalene	ND U	2.0	1	03/27/25 12:56	
n-Propylbenzene	ND U	2.0	1	03/27/25 12:56	
Styrene	ND U	0.50	1	03/27/25 12:56	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/27/25 12:56	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/27/25 12:56	
Tetrachloroethene (PCE)	ND U	0.50	1	03/27/25 12:56	
Toluene	ND U	0.50	1	03/27/25 12:56	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/27/25 12:56	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/27/25 12:56	
1,1,2-Trichloroethane	ND U	0.50	1	03/27/25 12:56	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/27/25 12:56	
Trichloroethene (TCE)	ND U	0.50	1	03/27/25 12:56	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/27/25 12:56	
1,2,3-Trichloropropane	ND U	0.50	1	03/27/25 12:56	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/27/25 12:56	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/27/25 12:56	
Vinyl Chloride	ND U	0.50	1	03/27/25 12:56	
o-Xylene	ND U	0.50	1	03/27/25 12:56	
m,p-Xylenes	ND U	0.50	1	03/27/25 12:56	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	68 - 117	03/27/25 12:56	
Dibromofluoromethane	118	73 - 122	03/27/25 12:56	
Toluene-d8	109	65 - 144	03/27/25 12:56	

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Analyzed:**	03/27/25
Sample Matrix:	Ground Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	874128

	Lab Control Sample KQ2505144-03			Duplicate Lab Control Sample KQ2505144-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	9.24	10.0	92	9.77	10.0	98	66-124	6	30
1,1,1-Trichloroethane (TCA)	11.6	10.0	116	12.0	10.0	120	59-136	3	30
1,1,2,2-Tetrachloroethane	8.88	10.0	89	9.37	10.0	94	70-127	5	30
1,1,2-Trichloroethane	9.31	10.0	93	10.0	10.0	100	74-118	7	30
1,1-Dichloroethane	10.3	10.0	103	10.6	10.0	106	68-132	2	30
1,1-Dichloropropene	11.2	10.0	112	11.8	10.0	118	59-134	5	30
1,2,3-Trichlorobenzene	10.2	10.0	102	11.1	10.0	111	68-120	8	30
1,2,3-Trichloropropane	9.11	10.0	91	9.60	10.0	96	69-123	5	30
1,2,4-Trichlorobenzene	8.46	10.0	85	9.11	10.0	91	58-126	7	30
1,2,4-Trimethylbenzene	8.68	10.0	87	9.06	10.0	91	63-122	4	30
1,2-Dibromo-3-chloropropane	8.91	10.0	89	9.41	10.0	94	55-132	5	30
1,2-Dibromoethane (EDB)	9.52	10.0	95	10.4	10.0	104	74-118	9	30
1,2-Dichlorobenzene	9.27	10.0	93	9.82	10.0	98	72-115	6	30
1,2-Dichloropropane	9.23	10.0	92	9.12	10.0	91	67-126	1	30
1,3,5-Trimethylbenzene	8.82	10.0	88	9.26	10.0	93	62-126	5	30
1,3-Dichlorobenzene	9.59	10.0	96	10.1	10.0	101	70-116	5	30
1,3-Dichloropropane	9.28	10.0	93	9.88	10.0	99	75-116	6	30
1,4-Dichlorobenzene	9.27	10.0	93	9.86	10.0	99	73-115	6	30
2,2-Dichloropropane	10.6	10.0	106	11.2	10.0	112	37-145	5	30
2-Butanone (MEK)	51.2	50.0	102	55.6	50.0	111	71-149	8	30
2-Chlorotoluene	9.09	10.0	91	9.34	10.0	93	55-131	3	30
2-Hexanone	51.4	50.0	103	50.0	50.0	100	59-131	3	30
4-Chlorotoluene	9.03	10.0	90	9.37	10.0	94	66-121	4	30
4-Isopropyltoluene	9.51	10.0	95	9.87	10.0	99	61-128	4	30
4-Methyl-2-pentanone (MIBK)	52.4	50.0	105	55.2	50.0	110	64-134	5	30
Acetone	60.6	50.0	121	60.5	50.0	121	68-135	<1	30
Benzene	10.3	10.0	103	10.8	10.0	108	69-124	5	30
Bromobenzene	9.60	10.0	96	10.1	10.0	101	72-116	5	30
Bromochloromethane	11.3	10.0	113	11.6	10.0	116	75-131	3	30
Bromodichloromethane	10.5	10.0	105	11.1	10.0	111	63-129	5	30
Bromoform	9.45	10.0	95	10.6	10.0	106	52-144	11	30
Bromomethane	11.7	10.0	117 *	12.2	10.0	122 *	35-113	5	30
Carbon Disulfide	20.1	20.0	101	20.2	20.0	101	46-144	<1	30
Carbon Tetrachloride	12.3	10.0	123	12.7	10.0	127	55-140	3	30
Chlorobenzene	9.41	10.0	94	9.74	10.0	97	72-116	3	30
Chloroethane	13.8	10.0	138 *	14.4	10.0	144 *	58-134	4	30
Chloroform	10.9	10.0	109	11.3	10.0	113	70-129	3	30
Chloromethane	10.3	10.0	103	10.3	10.0	103	34-130	<1	30
cis-1,2-Dichloroethene	9.68	10.0	97	10.2	10.0	102	71-118	6	30
cis-1,3-Dichloropropene	9.86	10.0	99	10.2	10.0	102	62-132	3	30
Dibromochloromethane	9.40	10.0	94	10.1	10.0	101	67-126	7	30

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Analyzed:**	03/27/25
Sample Matrix:	Ground Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	874128

	Lab Control Sample KQ2505144-03			Duplicate Lab Control Sample KQ2505144-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Dibromomethane	10.6	10.0	106	10.7	10.0	107	69-128	<1	30
Dichlorodifluoromethane	15.3	10.0	153 *	15.9	10.0	159 *	32-124	4	30
Ethylbenzene	9.44	10.0	94	9.93	10.0	99	67-121	5	30
Hexachlorobutadiene	9.33	10.0	93	9.72	10.0	97	57-119	4	30
Isopropylbenzene	8.52	10.0	85	9.09	10.0	91	67-129	6	30
m,p-Xylenes	18.7	20.0	94	20.1	20.0	101	69-121	7	30
Methyl tert-Butyl Ether	10.7	10.0	107	11.3	10.0	113	54-126	6	30
Methylene Chloride	9.81	10.0	98	10.2	10.0	102	71-122	4	30
Naphthalene	8.78	10.0	88	9.18	10.0	92	64-126	4	30
n-Butylbenzene	8.76	10.0	88	9.12	10.0	91	55-130	4	30
n-Propylbenzene	9.19	10.0	92	9.52	10.0	95	61-124	4	30
o-Xylene	9.14	10.0	91	9.61	10.0	96	71-119	5	30
sec-Butylbenzene	9.44	10.0	94	9.97	10.0	100	59-128	5	30
Styrene	9.37	10.0	94	10.4	10.0	104	74-121	10	30
tert-Butylbenzene	9.47	10.0	95	9.97	10.0	100	61-127	5	30
Tetrachloroethene (PCE)	10.5	10.0	105	11.1	10.0	111	62-126	6	30
Toluene	10.1	10.0	101	10.6	10.0	106	69-124	5	30
trans-1,2-Dichloroethene	10.5	10.0	105	11.2	10.0	112	67-125	6	30
trans-1,3-Dichloropropene	8.95	10.0	90	9.44	10.0	94	59-125	5	30
Trichloroethene (TCE)	10.4	10.0	104	10.7	10.0	107	67-128	3	30
Trichlorofluoromethane (CFC 11)	14.7	10.0	147 *	15.5	10.0	155 *	52-141	6	30
Vinyl Chloride	8.67	10.0	87	9.04	10.0	90	55-123	4	30

Metals

ALS Environmental—Kelso Laboratory
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www.alsglobal.com

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	KQ2504766-01		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	03/25/25 11:14	03/24/25	
Manganese	6020B	ND U	ug/L	0.20	1	03/25/25 11:14	03/24/25	

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25
Sample Matrix:	Ground Water	**Date Received:**	03/21/25
		Date Analyzed:	03/25/25
		Date Extracted:	03/24/25

Matrix Spike Summary
Dissolved Metals

Sample Name:	LB-032025-01-3D	**Units:**	ug/L
Lab Code:	K2502962-001	**Basis:**	NA
Analysis Method:	6020B		
Prep Method:	EPA CLP ILM04.0		

Matrix Spike
KQ2504766-04

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Iron	ND U	51.6	50.0	103	75-125
Manganese	ND U	25.2	25.0	101	75-125

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25
Sample Matrix:	Ground Water	**Date Received:**	03/21/25
		Date Analyzed:	03/25/25

Replicate Sample Summary

Dissolved Metals

Sample Name:	LB-032025-01-3D	**Units:**	ug/L
Lab Code:	K2502962-001	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample KQ2504766-03 Result	Average	RPD	RPD Limit
Iron	6020B	2.0	ND U	ND U	ND	-	20
Manganese	6020B	0.20	ND U	ND U	ND	-	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Analyzed:**	03/25/25
Sample Matrix:	Ground Water		

Lab Control Sample Summary
Dissolved Metals

Units:ug/L
Basis:NA

Lab Control Sample
KQ2504766-02

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Iron	6020B	51.2	50.0	102	80-120
Manganese	6020B	25.9	25.0	103	80-120

General Chemistry

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2502962-MB		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	03/24/25 14:59	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.050	1	03/24/25 14:59	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2502962-MB		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	03/22/25 15:21	

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QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill, WA/04225030.13
Sample Matrix: Ground Water

Service Request:K2502962
Date Collected:03/20/25
Date Received:03/21/25
Date Analyzed:3/24/25

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: LB-032025-01-3D
Lab Code: K2502962-001

Units:mg/L
Basis:NA

			Matrix Spike K2502962-001MS			Duplicate Matrix Spike K2502962-001DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chloride	300.0	5.26	20.6	16.0	96	20.5	16.0	95	90-110	<1	20
Nitrate as Nitrogen	300.0	4.42	12.3	8.00	98	12.2	8.00	97	90-110	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2502962
Project	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/20/25
Sample Matrix:	Ground Water	**Date Received:**	03/21/25
		Date Analyzed:	03/24/25

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	LB-032025-01-3D	**Units:**	mg/L
Lab Code:	K2502962-001	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K2502962-001DUP Result	Average	RPD	RPD Limit
Chloride	300.0	0.20	5.26	5.18	5.22	2	20
Nitrate as Nitrogen	300.0	0.10	4.42	4.37	4.40	1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill, WA/04225030.13
Sample Matrix: Ground Water

Service Request: K2502962
Date Analyzed: 03/22/25 - 03/24/25

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
K2502962-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	4.81	5.00	96	90-110
Nitrate as Nitrogen	300.0	2.52	2.50	101	90-110
Solids, Total Dissolved	SM 2540 C	1730	1760	98	85-115

April 07, 2025 Service Request No:K2503150

Barbara Lary
SCS Engineers
15940 SW 72nd Ave
Portland, OR 97224

Laboratory Results for: Leichner Landfill, WA

Dear Barbara,

Enclosed are the results of the sample(s) submitted to our laboratory March 27, 2025
For your reference, these analyses have been assigned our service request number **K2503150.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3376. You may also contact me via email at Mark.Harris@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Mark Harris
Project Manager

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Narrative Documents

ALS Environmental—Kelso Laboratory
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Client: SCS Engineers
Project: Leichner Landfill, WA
Sample Matrix: Ground Water

Service Request: K2503150
Date Received: 03/27/2025

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Eight ground water samples were received for analysis at ALS Environmental on 03/27/2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Multiple analytes were flagged as outside the control criterion for Continuing Calibration Verification (CCV) KQ2505193-02. In accordance with the EPA Method, 80% or more of the CCV analytes must have passed within 20% of the true value. The remaining analytes are allowed a 40% difference as per the ALS SOP. The CCV met these criteria. No further corrective action was required.

Approved by Noe D. Davis Date 04/07/2025

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: LB-032625-04-1D	Lab ID: K2503150-001					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	6.28			0.20	mg/L	300.0
Nitrate as Nitrogen	5.67			0.10	mg/L	300.0
Solids, Total Dissolved	177			10	mg/L	SM 2540 C

CLIENT ID: LB-032625-03-1S	Lab ID: K2503150-002					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	13.4			0.20	mg/L	300.0
Iron, Dissolved	2.1			2.0	ug/L	6020B
Nitrate as Nitrogen	4.76			0.10	mg/L	300.0
Solids, Total Dissolved	229			10	mg/L	SM 2540 C

CLIENT ID: LB-032625-02-10DR	Lab ID: K2503150-003					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	12.5			0.20	mg/L	300.0
Iron, Dissolved	3.0			2.0	ug/L	6020B
Manganese, Dissolved	0.56			0.20	ug/L	6020B
Nitrate as Nitrogen	2.31			0.10	mg/L	300.0
Solids, Total Dissolved	228			10	mg/L	SM 2540 C

CLIENT ID: LB-032625-01-10SR	Lab ID: K2503150-004					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	18.2			0.50	mg/L	300.0
Manganese, Dissolved	0.96			0.20	ug/L	6020B
Nitrate as Nitrogen	0.69			0.10	mg/L	300.0
Solids, Total Dissolved	256			10	mg/L	SM 2540 C

CLIENT ID: LB-032625-05-26D	Lab ID: K2503150-005					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	6.56			0.20	mg/L	300.0
Iron, Dissolved	2.5			2.0	ug/L	6020B
Nitrate as Nitrogen	4.95			0.10	mg/L	300.0
Solids, Total Dissolved	179			10	mg/L	SM 2540 C

CLIENT ID: LB-032625-06-26I	Lab ID: K2503150-006					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	5.79			0.20	mg/L	300.0
Iron, Dissolved	3.3			2.0	ug/L	6020B
Manganese, Dissolved	0.29			0.20	ug/L	6020B
Nitrate as Nitrogen	4.32			0.10	mg/L	300.0
Solids, Total Dissolved	174			10	mg/L	SM 2540 C

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: LB-032625-07-27I			Lab ID: K2503150-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	8.75			0.20	mg/L	300.0
Manganese, Dissolved	258			0.20	ug/L	6020B
Nitrate as Nitrogen	1.15			0.10	mg/L	300.0
Solids, Total Dissolved	329			10	mg/L	SM 2540 C

Sample Receipt Information

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: SCS Engineers **Service Request:**K2503150

Project: Leichner Landfill, WA/04225030.13

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
K2503150-001	LB-032625-04-1D	3/26/2025	1000
K2503150-002	LB-032625-03-1S	3/26/2025	0935
K2503150-003	LB-032625-02-10DR	3/26/2025	0855
K2503150-004	LB-032625-01-10SR	3/26/2025	0820
K2503150-005	LB-032625-05-26D	3/26/2025	1115
K2503150-006	LB-032625-06-26I	3/26/2025	1145
K2503150-007	LB-032625-07-27I	3/26/2025	1220
K2503150-008	Trip Blank	3/26/2025	0700

ALS Environmental
1317 South 13th Ave
Kelso, WA 98626
(Tel) 360.577.7222
(Fax) 360.636.1068

Chain of Custody Form

Page 1 of 1

1250315D

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name		A	Volatile organics (8260)
Work Order		Project Number	04225030.13	B	Dissolved Metals (Fe, Mn) Field Filtered
Company Name	SCS Engineers	Bill To Company	Eurofins Environmental Testing	C	Cl, TDS, NO3
Send Report To	Eurofins Environmental Testing	Invoice Attn.	Janice Collins	D	
Address	15940 SW 72nd Ave	Address	4955 Yarrow Street Suite 100	E	
				F	
City/State/Zip	Portland OR 97224	City/State/Zip	Arvada CO 80002	G	
Phone	971-284-1297	Phone	303-736-0124	H	
Fax		Fax		I	
e-Mail Address	Blary@scsengineers.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	Notes	Hold
1	LB-032625-04-1D	03/26/25	1000	W	1,2	5	X	X	X				NO3 Short Hold Send Results and Invoice to Janice Collins/ Eurofins Environmental Testing Denver Janice.Collins@ET.EurofinsUS.com	
2	LB-032625-03-1S	03/26/25	0935	W	1,2	5	X	X	X					
3	LB-032625-02-10DR	03/26/25	0855	W	1,2	5	X	X	X					
4	LB-032625-01-1DSR	03/26/25	0820	W	1,2	5	X	X	X					
5	LB-032625-05-26D	03/26/25	1115	W	1,2	5	X	X	X					
6	LB-032625-06-26I	03/26/25	1145	W	1,2	5	X	X	X					
7	LB-032625-07-27I	03/26/25	1220	W	1,2	5	X	X	X					
8	Trip Blank	03/26/25	0700	W	1	4	X							
9														
10														

Sampler(s): Please Print & Sign	Shipment Method:	Required Turnaround Time: (Check Box)	Results Due Date:
S. Campbell	Courier	☐ 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☑ Other	

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
	03/27/25	0900		3/27/25	1000	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:	
	3/27/25	1220		3/27/25	1230	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			

ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)	
		☐ Level II: Standard QC	☐ Level III: Raw Data
		☐ TRRP LRC	☐ TRRP Level IV
		☐ Level IV: SW846 Methods/CLP like	
		☐ Other:	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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Cooler Receipt and Preservation Form

PM Mark

Client SCS Engineers Service Request K25 03150

Received: 3/27/25 Opened: 3/27/25 By: ydp Unloaded: 3/27/25 By: ydp

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* (*Courier*) *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA (Y) N If yes, how many and where? 1 Front
   If present, were custody seals intact? (Y) N If present, were they signed and dated? (Y) N

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / NA	Out of temp indicate with "X"	PM Notified If out of temp	Tracking Number NA	Filed
7.0	3.0	IR06					

4. Was a Temperature Blank present in cooler? NA (Y) N If yes, notate the temperature in the appropriate column below:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA (Y) N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. (NA) Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: (*Inserts*) (*Baggies*) *Bubble Wrap* *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Were samples received in good condition (unbroken) NA (Y) N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA (Y) N
10. Did all sample labels and tags agree with custody papers? NA (Y) N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA (Y) N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA (Y) N
14. Was C12/Res negative? (NA) Y N
15. Were samples received within method specified time limit? If not, notate the error below and notify the PM. (NA) Y N
16. Were 100mL sterile microbiology bottles filled exactly to the 100mL mark? (NA) Y N Underfilled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

SHORT HOLD TIME

Sample ID	Bottle Count Bottle Type	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, Resolutions: temp Blank Was under samples ice was on top of samples

Miscellaneous Forms

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value over the calibration range.
J	The result is an estimated value between the MDL and the MRL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13		

Sample Name:	LB-032625-04-1D	**Date Collected:**	03/26/25
Lab Code:	K2503150-001	**Date Received:**	03/27/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-032625-03-1S	**Date Collected:**	03/26/25
Lab Code:	K2503150-002	**Date Received:**	03/27/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-032625-02-10DR	**Date Collected:**	03/26/25
Lab Code:	K2503150-003	**Date Received:**	03/27/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-032625-01-10SR	**Date Collected:**	03/26/25
Lab Code:	K2503150-004	**Date Received:**	03/27/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13		

Sample Name:	LB-032625-01-10SR	**Date Collected:**	03/26/25
Lab Code:	K2503150-004	**Date Received:**	03/27/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-032625-01-10SR	**Date Collected:**	03/26/25
Lab Code:	K2503150-004.R01	**Date Received:**	03/27/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON

Sample Name:	LB-032625-05-26D	**Date Collected:**	03/26/25
Lab Code:	K2503150-005	**Date Received:**	03/27/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name:	LB-032625-06-26I	**Date Collected:**	03/26/25
Lab Code:	K2503150-006	**Date Received:**	03/27/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Client: SCS Engineers **Service Request:** K2503150
Project: Leichner Landfill, WA/04225030.13

Sample Name: LB-032625-07-27I **Date Collected:** 03/26/25
Lab Code: K2503150-007 **Date Received:** 03/27/25
Sample Matrix: Ground Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		MCRESWELL
SM 2540 C		AWILSON

Sample Name: Trip Blank **Date Collected:** 03/26/25
Lab Code: K2503150-008 **Date Received:** 03/27/25
Sample Matrix: Ground Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		MCRESWELL

Sample Results

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 10:00
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-04-1D	**Units:**	ug/L
Lab Code:	K2503150-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/28/25 19:02	*
Benzene	ND U	0.50	1	03/28/25 19:02	
Bromobenzene	ND U	2.0	1	03/28/25 19:02	
Bromochloromethane	ND U	0.50	1	03/28/25 19:02	
Bromodichloromethane	ND U	0.50	1	03/28/25 19:02	
Bromoform	ND U	0.50	1	03/28/25 19:02	
Bromomethane	ND U	0.50	1	03/28/25 19:02	
2-Butanone (MEK)	ND U	20	1	03/28/25 19:02	
n-Butylbenzene	ND U	4.0	1	03/28/25 19:02	
sec-Butylbenzene	ND U	2.0	1	03/28/25 19:02	
tert-Butylbenzene	ND U	2.0	1	03/28/25 19:02	
Carbon Disulfide	ND U	0.50	1	03/28/25 19:02	
Carbon Tetrachloride	ND U	0.50	1	03/28/25 19:02	
Chlorobenzene	ND U	0.50	1	03/28/25 19:02	
Chloroethane	ND U	0.50	1	03/28/25 19:02	
Chloroform	ND U	0.50	1	03/28/25 19:02	
Chloromethane	ND U	0.50	1	03/28/25 19:02	
2-Chlorotoluene	ND U	2.0	1	03/28/25 19:02	
4-Chlorotoluene	ND U	2.0	1	03/28/25 19:02	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/28/25 19:02	
Dibromochloromethane	ND U	0.50	1	03/28/25 19:02	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/28/25 19:02	
Dibromomethane	ND U	0.50	1	03/28/25 19:02	
1,2-Dichlorobenzene	ND U	0.50	1	03/28/25 19:02	
1,3-Dichlorobenzene	ND U	0.50	1	03/28/25 19:02	
1,4-Dichlorobenzene	ND U	0.50	1	03/28/25 19:02	
Dichlorodifluoromethane	ND U	0.50	1	03/28/25 19:02	*
1,1-Dichloroethane	ND U	0.50	1	03/28/25 19:02	
cis-1,2-Dichloroethene	ND U	0.50	1	03/28/25 19:02	
trans-1,2-Dichloroethene	ND U	0.50	1	03/28/25 19:02	
1,2-Dichloropropane	ND U	0.50	1	03/28/25 19:02	
1,3-Dichloropropane	ND U	0.50	1	03/28/25 19:02	
2,2-Dichloropropane	ND U	0.50	1	03/28/25 19:02	*
1,1-Dichloropropene	ND U	0.50	1	03/28/25 19:02	
cis-1,3-Dichloropropene	ND U	0.50	1	03/28/25 19:02	
trans-1,3-Dichloropropene	ND U	0.50	1	03/28/25 19:02	*
Ethylbenzene	ND U	0.50	1	03/28/25 19:02	
Hexachlorobutadiene	ND U	2.0	1	03/28/25 19:02	
2-Hexanone	ND U	20	1	03/28/25 19:02	
Isopropylbenzene	ND U	2.0	1	03/28/25 19:02	
4-Isopropyltoluene	ND U	2.0	1	03/28/25 19:02	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 10:00
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-04-1D	**Units:**	ug/L
Lab Code:	K2503150-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/28/25 19:02	*
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/28/25 19:02	
Methylene Chloride	ND U	2.0	1	03/28/25 19:02	
Naphthalene	ND U	2.0	1	03/28/25 19:02	*
n-Propylbenzene	ND U	2.0	1	03/28/25 19:02	
Styrene	ND U	0.50	1	03/28/25 19:02	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/28/25 19:02	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/28/25 19:02	
Tetrachloroethene (PCE)	ND U	0.50	1	03/28/25 19:02	*
Toluene	ND U	0.50	1	03/28/25 19:02	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/28/25 19:02	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/28/25 19:02	
1,1,2-Trichloroethane	ND U	0.50	1	03/28/25 19:02	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/28/25 19:02	
Trichloroethene (TCE)	ND U	0.50	1	03/28/25 19:02	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/28/25 19:02	
1,2,3-Trichloropropane	ND U	0.50	1	03/28/25 19:02	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/28/25 19:02	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/28/25 19:02	
Vinyl Chloride	ND U	0.50	1	03/28/25 19:02	
o-Xylene	ND U	0.50	1	03/28/25 19:02	
m,p-Xylenes	ND U	0.50	1	03/28/25 19:02	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	68 - 117	03/28/25 19:02	
Dibromofluoromethane	113	73 - 122	03/28/25 19:02	
Toluene-d8	106	65 - 144	03/28/25 19:02	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 09:35
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-03-1S	**Units:**	ug/L
Lab Code:	K2503150-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/28/25 19:27	*
Benzene	ND U	0.50	1	03/28/25 19:27	
Bromobenzene	ND U	2.0	1	03/28/25 19:27	
Bromochloromethane	ND U	0.50	1	03/28/25 19:27	
Bromodichloromethane	ND U	0.50	1	03/28/25 19:27	
Bromoform	ND U	0.50	1	03/28/25 19:27	
Bromomethane	ND U	0.50	1	03/28/25 19:27	
2-Butanone (MEK)	ND U	20	1	03/28/25 19:27	
n-Butylbenzene	ND U	4.0	1	03/28/25 19:27	
sec-Butylbenzene	ND U	2.0	1	03/28/25 19:27	
tert-Butylbenzene	ND U	2.0	1	03/28/25 19:27	
Carbon Disulfide	ND U	0.50	1	03/28/25 19:27	
Carbon Tetrachloride	ND U	0.50	1	03/28/25 19:27	
Chlorobenzene	ND U	0.50	1	03/28/25 19:27	
Chloroethane	ND U	0.50	1	03/28/25 19:27	
Chloroform	ND U	0.50	1	03/28/25 19:27	
Chloromethane	ND U	0.50	1	03/28/25 19:27	
2-Chlorotoluene	ND U	2.0	1	03/28/25 19:27	
4-Chlorotoluene	ND U	2.0	1	03/28/25 19:27	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/28/25 19:27	
Dibromochloromethane	ND U	0.50	1	03/28/25 19:27	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/28/25 19:27	
Dibromomethane	ND U	0.50	1	03/28/25 19:27	
1,2-Dichlorobenzene	ND U	0.50	1	03/28/25 19:27	
1,3-Dichlorobenzene	ND U	0.50	1	03/28/25 19:27	
1,4-Dichlorobenzene	ND U	0.50	1	03/28/25 19:27	
Dichlorodifluoromethane	ND U	0.50	1	03/28/25 19:27	*
1,1-Dichloroethane	ND U	0.50	1	03/28/25 19:27	
cis-1,2-Dichloroethene	ND U	0.50	1	03/28/25 19:27	
trans-1,2-Dichloroethene	ND U	0.50	1	03/28/25 19:27	
1,2-Dichloropropane	ND U	0.50	1	03/28/25 19:27	
1,3-Dichloropropane	ND U	0.50	1	03/28/25 19:27	
2,2-Dichloropropane	ND U	0.50	1	03/28/25 19:27	*
1,1-Dichloropropene	ND U	0.50	1	03/28/25 19:27	
cis-1,3-Dichloropropene	ND U	0.50	1	03/28/25 19:27	
trans-1,3-Dichloropropene	ND U	0.50	1	03/28/25 19:27	*
Ethylbenzene	ND U	0.50	1	03/28/25 19:27	
Hexachlorobutadiene	ND U	2.0	1	03/28/25 19:27	
2-Hexanone	ND U	20	1	03/28/25 19:27	
Isopropylbenzene	ND U	2.0	1	03/28/25 19:27	
4-Isopropyltoluene	ND U	2.0	1	03/28/25 19:27	

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 09:35
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-03-1S	**Units:**	ug/L
Lab Code:	K2503150-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/28/25 19:27	*
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/28/25 19:27	
Methylene Chloride	ND U	2.0	1	03/28/25 19:27	
Naphthalene	ND U	2.0	1	03/28/25 19:27	*
n-Propylbenzene	ND U	2.0	1	03/28/25 19:27	
Styrene	ND U	0.50	1	03/28/25 19:27	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/28/25 19:27	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/28/25 19:27	
Tetrachloroethene (PCE)	ND U	0.50	1	03/28/25 19:27	*
Toluene	ND U	0.50	1	03/28/25 19:27	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/28/25 19:27	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/28/25 19:27	
1,1,2-Trichloroethane	ND U	0.50	1	03/28/25 19:27	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/28/25 19:27	
Trichloroethene (TCE)	ND U	0.50	1	03/28/25 19:27	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/28/25 19:27	
1,2,3-Trichloropropane	ND U	0.50	1	03/28/25 19:27	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/28/25 19:27	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/28/25 19:27	
Vinyl Chloride	ND U	0.50	1	03/28/25 19:27	
o-Xylene	ND U	0.50	1	03/28/25 19:27	
m,p-Xylenes	ND U	0.50	1	03/28/25 19:27	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	68 - 117	03/28/25 19:27	
Dibromofluoromethane	115	73 - 122	03/28/25 19:27	
Toluene-d8	108	65 - 144	03/28/25 19:27	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 08:55
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-02-10DR	**Units:**	ug/L
Lab Code:	K2503150-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/28/25 19:51	*
Benzene	ND U	0.50	1	03/28/25 19:51	
Bromobenzene	ND U	2.0	1	03/28/25 19:51	
Bromochloromethane	ND U	0.50	1	03/28/25 19:51	
Bromodichloromethane	ND U	0.50	1	03/28/25 19:51	
Bromoform	ND U	0.50	1	03/28/25 19:51	
Bromomethane	ND U	0.50	1	03/28/25 19:51	
2-Butanone (MEK)	ND U	20	1	03/28/25 19:51	
n-Butylbenzene	ND U	4.0	1	03/28/25 19:51	
sec-Butylbenzene	ND U	2.0	1	03/28/25 19:51	
tert-Butylbenzene	ND U	2.0	1	03/28/25 19:51	
Carbon Disulfide	ND U	0.50	1	03/28/25 19:51	
Carbon Tetrachloride	ND U	0.50	1	03/28/25 19:51	
Chlorobenzene	ND U	0.50	1	03/28/25 19:51	
Chloroethane	ND U	0.50	1	03/28/25 19:51	
Chloroform	ND U	0.50	1	03/28/25 19:51	
Chloromethane	ND U	0.50	1	03/28/25 19:51	
2-Chlorotoluene	ND U	2.0	1	03/28/25 19:51	
4-Chlorotoluene	ND U	2.0	1	03/28/25 19:51	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/28/25 19:51	
Dibromochloromethane	ND U	0.50	1	03/28/25 19:51	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/28/25 19:51	
Dibromomethane	ND U	0.50	1	03/28/25 19:51	
1,2-Dichlorobenzene	ND U	0.50	1	03/28/25 19:51	
1,3-Dichlorobenzene	ND U	0.50	1	03/28/25 19:51	
1,4-Dichlorobenzene	ND U	0.50	1	03/28/25 19:51	
Dichlorodifluoromethane	ND U	0.50	1	03/28/25 19:51	*
1,1-Dichloroethane	ND U	0.50	1	03/28/25 19:51	
cis-1,2-Dichloroethene	ND U	0.50	1	03/28/25 19:51	
trans-1,2-Dichloroethene	ND U	0.50	1	03/28/25 19:51	
1,2-Dichloropropane	ND U	0.50	1	03/28/25 19:51	
1,3-Dichloropropane	ND U	0.50	1	03/28/25 19:51	
2,2-Dichloropropane	ND U	0.50	1	03/28/25 19:51	*
1,1-Dichloropropene	ND U	0.50	1	03/28/25 19:51	
cis-1,3-Dichloropropene	ND U	0.50	1	03/28/25 19:51	
trans-1,3-Dichloropropene	ND U	0.50	1	03/28/25 19:51	*
Ethylbenzene	ND U	0.50	1	03/28/25 19:51	
Hexachlorobutadiene	ND U	2.0	1	03/28/25 19:51	
2-Hexanone	ND U	20	1	03/28/25 19:51	
Isopropylbenzene	ND U	2.0	1	03/28/25 19:51	
4-Isopropyltoluene	ND U	2.0	1	03/28/25 19:51	

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 08:55
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-02-10DR	**Units:**	ug/L
Lab Code:	K2503150-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/28/25 19:51	*
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/28/25 19:51	
Methylene Chloride	ND U	2.0	1	03/28/25 19:51	
Naphthalene	ND U	2.0	1	03/28/25 19:51	*
n-Propylbenzene	ND U	2.0	1	03/28/25 19:51	
Styrene	ND U	0.50	1	03/28/25 19:51	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/28/25 19:51	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/28/25 19:51	
Tetrachloroethene (PCE)	ND U	0.50	1	03/28/25 19:51	*
Toluene	ND U	0.50	1	03/28/25 19:51	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/28/25 19:51	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/28/25 19:51	
1,1,2-Trichloroethane	ND U	0.50	1	03/28/25 19:51	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/28/25 19:51	
Trichloroethene (TCE)	ND U	0.50	1	03/28/25 19:51	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/28/25 19:51	
1,2,3-Trichloropropane	ND U	0.50	1	03/28/25 19:51	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/28/25 19:51	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/28/25 19:51	
Vinyl Chloride	ND U	0.50	1	03/28/25 19:51	
o-Xylene	ND U	0.50	1	03/28/25 19:51	
m,p-Xylenes	ND U	0.50	1	03/28/25 19:51	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	68 - 117	03/28/25 19:51	
Dibromofluoromethane	115	73 - 122	03/28/25 19:51	
Toluene-d8	107	65 - 144	03/28/25 19:51	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 08:20
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-01-10SR	**Units:**	ug/L
Lab Code:	K2503150-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/28/25 20:15	*
Benzene	ND U	0.50	1	03/28/25 20:15	
Bromobenzene	ND U	2.0	1	03/28/25 20:15	
Bromochloromethane	ND U	0.50	1	03/28/25 20:15	
Bromodichloromethane	ND U	0.50	1	03/28/25 20:15	
Bromoform	ND U	0.50	1	03/28/25 20:15	
Bromomethane	ND U	0.50	1	03/28/25 20:15	
2-Butanone (MEK)	ND U	20	1	03/28/25 20:15	
n-Butylbenzene	ND U	4.0	1	03/28/25 20:15	
sec-Butylbenzene	ND U	2.0	1	03/28/25 20:15	
tert-Butylbenzene	ND U	2.0	1	03/28/25 20:15	
Carbon Disulfide	ND U	0.50	1	03/28/25 20:15	
Carbon Tetrachloride	ND U	0.50	1	03/28/25 20:15	
Chlorobenzene	ND U	0.50	1	03/28/25 20:15	
Chloroethane	ND U	0.50	1	03/28/25 20:15	
Chloroform	ND U	0.50	1	03/28/25 20:15	
Chloromethane	ND U	0.50	1	03/28/25 20:15	
2-Chlorotoluene	ND U	2.0	1	03/28/25 20:15	
4-Chlorotoluene	ND U	2.0	1	03/28/25 20:15	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/28/25 20:15	
Dibromochloromethane	ND U	0.50	1	03/28/25 20:15	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/28/25 20:15	
Dibromomethane	ND U	0.50	1	03/28/25 20:15	
1,2-Dichlorobenzene	ND U	0.50	1	03/28/25 20:15	
1,3-Dichlorobenzene	ND U	0.50	1	03/28/25 20:15	
1,4-Dichlorobenzene	ND U	0.50	1	03/28/25 20:15	
Dichlorodifluoromethane	ND U	0.50	1	03/28/25 20:15	*
1,1-Dichloroethane	ND U	0.50	1	03/28/25 20:15	
cis-1,2-Dichloroethene	ND U	0.50	1	03/28/25 20:15	
trans-1,2-Dichloroethene	ND U	0.50	1	03/28/25 20:15	
1,2-Dichloropropane	ND U	0.50	1	03/28/25 20:15	
1,3-Dichloropropane	ND U	0.50	1	03/28/25 20:15	
2,2-Dichloropropane	ND U	0.50	1	03/28/25 20:15	*
1,1-Dichloropropene	ND U	0.50	1	03/28/25 20:15	
cis-1,3-Dichloropropene	ND U	0.50	1	03/28/25 20:15	
trans-1,3-Dichloropropene	ND U	0.50	1	03/28/25 20:15	*
Ethylbenzene	ND U	0.50	1	03/28/25 20:15	
Hexachlorobutadiene	ND U	2.0	1	03/28/25 20:15	
2-Hexanone	ND U	20	1	03/28/25 20:15	
Isopropylbenzene	ND U	2.0	1	03/28/25 20:15	
4-Isopropyltoluene	ND U	2.0	1	03/28/25 20:15	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 08:20
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-01-10SR	**Units:**	ug/L
Lab Code:	K2503150-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/28/25 20:15	*
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/28/25 20:15	
Methylene Chloride	ND U	2.0	1	03/28/25 20:15	
Naphthalene	ND U	2.0	1	03/28/25 20:15	*
n-Propylbenzene	ND U	2.0	1	03/28/25 20:15	
Styrene	ND U	0.50	1	03/28/25 20:15	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/28/25 20:15	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/28/25 20:15	
Tetrachloroethene (PCE)	ND U	0.50	1	03/28/25 20:15	*
Toluene	ND U	0.50	1	03/28/25 20:15	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/28/25 20:15	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/28/25 20:15	
1,1,2-Trichloroethane	ND U	0.50	1	03/28/25 20:15	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/28/25 20:15	
Trichloroethene (TCE)	ND U	0.50	1	03/28/25 20:15	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/28/25 20:15	
1,2,3-Trichloropropane	ND U	0.50	1	03/28/25 20:15	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/28/25 20:15	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/28/25 20:15	
Vinyl Chloride	ND U	0.50	1	03/28/25 20:15	
o-Xylene	ND U	0.50	1	03/28/25 20:15	
m,p-Xylenes	ND U	0.50	1	03/28/25 20:15	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	68 - 117	03/28/25 20:15	
Dibromofluoromethane	115	73 - 122	03/28/25 20:15	
Toluene-d8	108	65 - 144	03/28/25 20:15	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 11:15
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-05-26D	**Units:**	ug/L
Lab Code:	K2503150-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/28/25 20:40	*
Benzene	ND U	0.50	1	03/28/25 20:40	
Bromobenzene	ND U	2.0	1	03/28/25 20:40	
Bromochloromethane	ND U	0.50	1	03/28/25 20:40	
Bromodichloromethane	ND U	0.50	1	03/28/25 20:40	
Bromoform	ND U	0.50	1	03/28/25 20:40	
Bromomethane	ND U	0.50	1	03/28/25 20:40	
2-Butanone (MEK)	ND U	20	1	03/28/25 20:40	
n-Butylbenzene	ND U	4.0	1	03/28/25 20:40	
sec-Butylbenzene	ND U	2.0	1	03/28/25 20:40	
tert-Butylbenzene	ND U	2.0	1	03/28/25 20:40	
Carbon Disulfide	ND U	0.50	1	03/28/25 20:40	
Carbon Tetrachloride	ND U	0.50	1	03/28/25 20:40	
Chlorobenzene	ND U	0.50	1	03/28/25 20:40	
Chloroethane	ND U	0.50	1	03/28/25 20:40	
Chloroform	ND U	0.50	1	03/28/25 20:40	
Chloromethane	ND U	0.50	1	03/28/25 20:40	
2-Chlorotoluene	ND U	2.0	1	03/28/25 20:40	
4-Chlorotoluene	ND U	2.0	1	03/28/25 20:40	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/28/25 20:40	
Dibromochloromethane	ND U	0.50	1	03/28/25 20:40	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/28/25 20:40	
Dibromomethane	ND U	0.50	1	03/28/25 20:40	
1,2-Dichlorobenzene	ND U	0.50	1	03/28/25 20:40	
1,3-Dichlorobenzene	ND U	0.50	1	03/28/25 20:40	
1,4-Dichlorobenzene	ND U	0.50	1	03/28/25 20:40	
Dichlorodifluoromethane	ND U	0.50	1	03/28/25 20:40	*
1,1-Dichloroethane	ND U	0.50	1	03/28/25 20:40	
cis-1,2-Dichloroethene	ND U	0.50	1	03/28/25 20:40	
trans-1,2-Dichloroethene	ND U	0.50	1	03/28/25 20:40	
1,2-Dichloropropane	ND U	0.50	1	03/28/25 20:40	
1,3-Dichloropropane	ND U	0.50	1	03/28/25 20:40	
2,2-Dichloropropane	ND U	0.50	1	03/28/25 20:40	*
1,1-Dichloropropene	ND U	0.50	1	03/28/25 20:40	
cis-1,3-Dichloropropene	ND U	0.50	1	03/28/25 20:40	
trans-1,3-Dichloropropene	ND U	0.50	1	03/28/25 20:40	*
Ethylbenzene	ND U	0.50	1	03/28/25 20:40	
Hexachlorobutadiene	ND U	2.0	1	03/28/25 20:40	
2-Hexanone	ND U	20	1	03/28/25 20:40	
Isopropylbenzene	ND U	2.0	1	03/28/25 20:40	
4-Isopropyltoluene	ND U	2.0	1	03/28/25 20:40	

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 11:15
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-05-26D	**Units:**	ug/L
Lab Code:	K2503150-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/28/25 20:40	*
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/28/25 20:40	
Methylene Chloride	ND U	2.0	1	03/28/25 20:40	
Naphthalene	ND U	2.0	1	03/28/25 20:40	*
n-Propylbenzene	ND U	2.0	1	03/28/25 20:40	
Styrene	ND U	0.50	1	03/28/25 20:40	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/28/25 20:40	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/28/25 20:40	
Tetrachloroethene (PCE)	ND U	0.50	1	03/28/25 20:40	*
Toluene	ND U	0.50	1	03/28/25 20:40	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/28/25 20:40	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/28/25 20:40	
1,1,2-Trichloroethane	ND U	0.50	1	03/28/25 20:40	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/28/25 20:40	
Trichloroethene (TCE)	ND U	0.50	1	03/28/25 20:40	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/28/25 20:40	
1,2,3-Trichloropropane	ND U	0.50	1	03/28/25 20:40	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/28/25 20:40	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/28/25 20:40	
Vinyl Chloride	ND U	0.50	1	03/28/25 20:40	
o-Xylene	ND U	0.50	1	03/28/25 20:40	
m,p-Xylenes	ND U	0.50	1	03/28/25 20:40	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	93	68 - 117	03/28/25 20:40	
Dibromofluoromethane	114	73 - 122	03/28/25 20:40	
Toluene-d8	106	65 - 144	03/28/25 20:40	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 11:45
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-06-26I	**Units:**	ug/L
Lab Code:	K2503150-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/28/25 21:04	*
Benzene	ND U	0.50	1	03/28/25 21:04	
Bromobenzene	ND U	2.0	1	03/28/25 21:04	
Bromochloromethane	ND U	0.50	1	03/28/25 21:04	
Bromodichloromethane	ND U	0.50	1	03/28/25 21:04	
Bromoform	ND U	0.50	1	03/28/25 21:04	
Bromomethane	ND U	0.50	1	03/28/25 21:04	
2-Butanone (MEK)	ND U	20	1	03/28/25 21:04	
n-Butylbenzene	ND U	4.0	1	03/28/25 21:04	
sec-Butylbenzene	ND U	2.0	1	03/28/25 21:04	
tert-Butylbenzene	ND U	2.0	1	03/28/25 21:04	
Carbon Disulfide	ND U	0.50	1	03/28/25 21:04	
Carbon Tetrachloride	ND U	0.50	1	03/28/25 21:04	
Chlorobenzene	ND U	0.50	1	03/28/25 21:04	
Chloroethane	ND U	0.50	1	03/28/25 21:04	
Chloroform	ND U	0.50	1	03/28/25 21:04	
Chloromethane	ND U	0.50	1	03/28/25 21:04	
2-Chlorotoluene	ND U	2.0	1	03/28/25 21:04	
4-Chlorotoluene	ND U	2.0	1	03/28/25 21:04	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/28/25 21:04	
Dibromochloromethane	ND U	0.50	1	03/28/25 21:04	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/28/25 21:04	
Dibromomethane	ND U	0.50	1	03/28/25 21:04	
1,2-Dichlorobenzene	ND U	0.50	1	03/28/25 21:04	
1,3-Dichlorobenzene	ND U	0.50	1	03/28/25 21:04	
1,4-Dichlorobenzene	ND U	0.50	1	03/28/25 21:04	
Dichlorodifluoromethane	ND U	0.50	1	03/28/25 21:04	*
1,1-Dichloroethane	ND U	0.50	1	03/28/25 21:04	
cis-1,2-Dichloroethene	ND U	0.50	1	03/28/25 21:04	
trans-1,2-Dichloroethene	ND U	0.50	1	03/28/25 21:04	
1,2-Dichloropropane	ND U	0.50	1	03/28/25 21:04	
1,3-Dichloropropane	ND U	0.50	1	03/28/25 21:04	
2,2-Dichloropropane	ND U	0.50	1	03/28/25 21:04	*
1,1-Dichloropropene	ND U	0.50	1	03/28/25 21:04	
cis-1,3-Dichloropropene	ND U	0.50	1	03/28/25 21:04	
trans-1,3-Dichloropropene	ND U	0.50	1	03/28/25 21:04	*
Ethylbenzene	ND U	0.50	1	03/28/25 21:04	
Hexachlorobutadiene	ND U	2.0	1	03/28/25 21:04	
2-Hexanone	ND U	20	1	03/28/25 21:04	
Isopropylbenzene	ND U	2.0	1	03/28/25 21:04	
4-Isopropyltoluene	ND U	2.0	1	03/28/25 21:04	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 11:45
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-06-26I	**Units:**	ug/L
Lab Code:	K2503150-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/28/25 21:04	*
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/28/25 21:04	
Methylene Chloride	ND U	2.0	1	03/28/25 21:04	
Naphthalene	ND U	2.0	1	03/28/25 21:04	*
n-Propylbenzene	ND U	2.0	1	03/28/25 21:04	
Styrene	ND U	0.50	1	03/28/25 21:04	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/28/25 21:04	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/28/25 21:04	
Tetrachloroethene (PCE)	ND U	0.50	1	03/28/25 21:04	*
Toluene	ND U	0.50	1	03/28/25 21:04	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/28/25 21:04	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/28/25 21:04	
1,1,2-Trichloroethane	ND U	0.50	1	03/28/25 21:04	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/28/25 21:04	
Trichloroethene (TCE)	ND U	0.50	1	03/28/25 21:04	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/28/25 21:04	
1,2,3-Trichloropropane	ND U	0.50	1	03/28/25 21:04	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/28/25 21:04	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/28/25 21:04	
Vinyl Chloride	ND U	0.50	1	03/28/25 21:04	
o-Xylene	ND U	0.50	1	03/28/25 21:04	
m,p-Xylenes	ND U	0.50	1	03/28/25 21:04	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	68 - 117	03/28/25 21:04	
Dibromofluoromethane	116	73 - 122	03/28/25 21:04	
Toluene-d8	107	65 - 144	03/28/25 21:04	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 12:20
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-07-27I	**Units:**	ug/L
Lab Code:	K2503150-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/28/25 21:28	*
Benzene	ND U	0.50	1	03/28/25 21:28	
Bromobenzene	ND U	2.0	1	03/28/25 21:28	
Bromochloromethane	ND U	0.50	1	03/28/25 21:28	
Bromodichloromethane	ND U	0.50	1	03/28/25 21:28	
Bromoform	ND U	0.50	1	03/28/25 21:28	
Bromomethane	ND U	0.50	1	03/28/25 21:28	
2-Butanone (MEK)	ND U	20	1	03/28/25 21:28	
n-Butylbenzene	ND U	4.0	1	03/28/25 21:28	
sec-Butylbenzene	ND U	2.0	1	03/28/25 21:28	
tert-Butylbenzene	ND U	2.0	1	03/28/25 21:28	
Carbon Disulfide	ND U	0.50	1	03/28/25 21:28	
Carbon Tetrachloride	ND U	0.50	1	03/28/25 21:28	
Chlorobenzene	ND U	0.50	1	03/28/25 21:28	
Chloroethane	ND U	0.50	1	03/28/25 21:28	
Chloroform	ND U	0.50	1	03/28/25 21:28	
Chloromethane	ND U	0.50	1	03/28/25 21:28	
2-Chlorotoluene	ND U	2.0	1	03/28/25 21:28	
4-Chlorotoluene	ND U	2.0	1	03/28/25 21:28	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/28/25 21:28	
Dibromochloromethane	ND U	0.50	1	03/28/25 21:28	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/28/25 21:28	
Dibromomethane	ND U	0.50	1	03/28/25 21:28	
1,2-Dichlorobenzene	ND U	0.50	1	03/28/25 21:28	
1,3-Dichlorobenzene	ND U	0.50	1	03/28/25 21:28	
1,4-Dichlorobenzene	ND U	0.50	1	03/28/25 21:28	
Dichlorodifluoromethane	ND U	0.50	1	03/28/25 21:28	*
1,1-Dichloroethane	ND U	0.50	1	03/28/25 21:28	
cis-1,2-Dichloroethene	ND U	0.50	1	03/28/25 21:28	
trans-1,2-Dichloroethene	ND U	0.50	1	03/28/25 21:28	
1,2-Dichloropropane	ND U	0.50	1	03/28/25 21:28	
1,3-Dichloropropane	ND U	0.50	1	03/28/25 21:28	
2,2-Dichloropropane	ND U	0.50	1	03/28/25 21:28	*
1,1-Dichloropropene	ND U	0.50	1	03/28/25 21:28	
cis-1,3-Dichloropropene	ND U	0.50	1	03/28/25 21:28	
trans-1,3-Dichloropropene	ND U	0.50	1	03/28/25 21:28	*
Ethylbenzene	ND U	0.50	1	03/28/25 21:28	
Hexachlorobutadiene	ND U	2.0	1	03/28/25 21:28	
2-Hexanone	ND U	20	1	03/28/25 21:28	
Isopropylbenzene	ND U	2.0	1	03/28/25 21:28	
4-Isopropyltoluene	ND U	2.0	1	03/28/25 21:28	

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 12:20
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-07-27I	**Units:**	ug/L
Lab Code:	K2503150-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/28/25 21:28	*
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/28/25 21:28	
Methylene Chloride	ND U	2.0	1	03/28/25 21:28	
Naphthalene	ND U	2.0	1	03/28/25 21:28	*
n-Propylbenzene	ND U	2.0	1	03/28/25 21:28	
Styrene	ND U	0.50	1	03/28/25 21:28	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/28/25 21:28	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/28/25 21:28	
Tetrachloroethene (PCE)	ND U	0.50	1	03/28/25 21:28	*
Toluene	ND U	0.50	1	03/28/25 21:28	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/28/25 21:28	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/28/25 21:28	
1,1,2-Trichloroethane	ND U	0.50	1	03/28/25 21:28	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/28/25 21:28	
Trichloroethene (TCE)	ND U	0.50	1	03/28/25 21:28	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/28/25 21:28	
1,2,3-Trichloropropane	ND U	0.50	1	03/28/25 21:28	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/28/25 21:28	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/28/25 21:28	
Vinyl Chloride	ND U	0.50	1	03/28/25 21:28	
o-Xylene	ND U	0.50	1	03/28/25 21:28	
m,p-Xylenes	ND U	0.50	1	03/28/25 21:28	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	91	68 - 117	03/28/25 21:28	
Dibromofluoromethane	117	73 - 122	03/28/25 21:28	
Toluene-d8	108	65 - 144	03/28/25 21:28	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 07:00
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	K2503150-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/28/25 18:14	*
Benzene	ND U	0.50	1	03/28/25 18:14	
Bromobenzene	ND U	2.0	1	03/28/25 18:14	
Bromochloromethane	ND U	0.50	1	03/28/25 18:14	
Bromodichloromethane	ND U	0.50	1	03/28/25 18:14	
Bromoform	ND U	0.50	1	03/28/25 18:14	
Bromomethane	ND U	0.50	1	03/28/25 18:14	
2-Butanone (MEK)	ND U	20	1	03/28/25 18:14	
n-Butylbenzene	ND U	4.0	1	03/28/25 18:14	
sec-Butylbenzene	ND U	2.0	1	03/28/25 18:14	
tert-Butylbenzene	ND U	2.0	1	03/28/25 18:14	
Carbon Disulfide	ND U	0.50	1	03/28/25 18:14	
Carbon Tetrachloride	ND U	0.50	1	03/28/25 18:14	
Chlorobenzene	ND U	0.50	1	03/28/25 18:14	
Chloroethane	ND U	0.50	1	03/28/25 18:14	
Chloroform	ND U	0.50	1	03/28/25 18:14	
Chloromethane	ND U	0.50	1	03/28/25 18:14	
2-Chlorotoluene	ND U	2.0	1	03/28/25 18:14	
4-Chlorotoluene	ND U	2.0	1	03/28/25 18:14	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/28/25 18:14	
Dibromochloromethane	ND U	0.50	1	03/28/25 18:14	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/28/25 18:14	
Dibromomethane	ND U	0.50	1	03/28/25 18:14	
1,2-Dichlorobenzene	ND U	0.50	1	03/28/25 18:14	
1,3-Dichlorobenzene	ND U	0.50	1	03/28/25 18:14	
1,4-Dichlorobenzene	ND U	0.50	1	03/28/25 18:14	
Dichlorodifluoromethane	ND U	0.50	1	03/28/25 18:14	*
1,1-Dichloroethane	ND U	0.50	1	03/28/25 18:14	
cis-1,2-Dichloroethene	ND U	0.50	1	03/28/25 18:14	
trans-1,2-Dichloroethene	ND U	0.50	1	03/28/25 18:14	
1,2-Dichloropropane	ND U	0.50	1	03/28/25 18:14	
1,3-Dichloropropane	ND U	0.50	1	03/28/25 18:14	
2,2-Dichloropropane	ND U	0.50	1	03/28/25 18:14	*
1,1-Dichloropropene	ND U	0.50	1	03/28/25 18:14	
cis-1,3-Dichloropropene	ND U	0.50	1	03/28/25 18:14	
trans-1,3-Dichloropropene	ND U	0.50	1	03/28/25 18:14	*
Ethylbenzene	ND U	0.50	1	03/28/25 18:14	
Hexachlorobutadiene	ND U	2.0	1	03/28/25 18:14	
2-Hexanone	ND U	20	1	03/28/25 18:14	
Isopropylbenzene	ND U	2.0	1	03/28/25 18:14	
4-Isopropyltoluene	ND U	2.0	1	03/28/25 18:14	

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 07:00
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	K2503150-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/28/25 18:14	*
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/28/25 18:14	
Methylene Chloride	ND U	2.0	1	03/28/25 18:14	
Naphthalene	ND U	2.0	1	03/28/25 18:14	*
n-Propylbenzene	ND U	2.0	1	03/28/25 18:14	
Styrene	ND U	0.50	1	03/28/25 18:14	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/28/25 18:14	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/28/25 18:14	
Tetrachloroethene (PCE)	ND U	0.50	1	03/28/25 18:14	*
Toluene	ND U	0.50	1	03/28/25 18:14	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/28/25 18:14	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/28/25 18:14	
1,1,2-Trichloroethane	ND U	0.50	1	03/28/25 18:14	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/28/25 18:14	
Trichloroethene (TCE)	ND U	0.50	1	03/28/25 18:14	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/28/25 18:14	
1,2,3-Trichloropropane	ND U	0.50	1	03/28/25 18:14	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/28/25 18:14	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/28/25 18:14	
Vinyl Chloride	ND U	0.50	1	03/28/25 18:14	
o-Xylene	ND U	0.50	1	03/28/25 18:14	
m,p-Xylenes	ND U	0.50	1	03/28/25 18:14	*

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	68 - 117	03/28/25 18:14	
Dibromofluoromethane	114	73 - 122	03/28/25 18:14	
Toluene-d8	108	65 - 144	03/28/25 18:14	

Metals

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 10:00
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-04-1D	**Basis:**	NA
Lab Code:	K2503150-001		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	03/31/25 14:03	03/28/25	
Manganese	6020B	ND U	ug/L	0.20	1	03/31/25 14:03	03/28/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 09:35
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-03-1S	**Basis:**	NA
Lab Code:	K2503150-002		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**2.1**	ug/L	2.0	1	03/31/25 14:05	03/28/25	
Manganese	6020B	ND U	ug/L	0.20	1	03/31/25 14:05	03/28/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 08:55
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-02-10DR	**Basis:**	NA
Lab Code:	K2503150-003		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**3.0**	ug/L	2.0	1	03/31/25 14:07	03/28/25	
Manganese	6020B	**0.56**	ug/L	0.20	1	03/31/25 14:07	03/28/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 08:20
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-01-10SR	**Basis:**	NA
Lab Code:	K2503150-004		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	03/31/25 14:09	03/28/25	
Manganese	6020B	**0.96**	ug/L	0.20	1	03/31/25 14:09	03/28/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 11:15
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-05-26D	**Basis:**	NA
Lab Code:	K2503150-005		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**2.5**	ug/L	2.0	1	03/31/25 14:11	03/28/25	
Manganese	6020B	ND U	ug/L	0.20	1	03/31/25 14:11	03/28/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 11:45
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-06-26I	**Basis:**	NA
Lab Code:	K2503150-006		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**3.3**	ug/L	2.0	1	03/31/25 14:14	03/28/25	
Manganese	6020B	**0.29**	ug/L	0.20	1	03/31/25 14:14	03/28/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 12:20
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-07-27I	**Basis:**	NA
Lab Code:	K2503150-007		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	03/31/25 14:16	03/28/25	
Manganese	6020B	**258**	ug/L	0.20	1	03/31/25 14:16	03/28/25	

General Chemistry

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 10:00
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-04-1D	**Basis:**	NA
Lab Code:	K2503150-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**6.28**	mg/L	0.20	2	03/27/25 18:26	
Nitrate as Nitrogen	300.0	**5.67**	mg/L	0.10	2	03/27/25 18:26	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 10:00
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-04-1D	**Basis:**	NA
Lab Code:	K2503150-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**177**	mg/L	10	1	04/02/25 17:30	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 09:35
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-03-1S	**Basis:**	NA
Lab Code:	K2503150-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**13.4**	mg/L	0.20	2	03/27/25 19:27	
Nitrate as Nitrogen	300.0	**4.76**	mg/L	0.10	2	03/27/25 19:27	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 09:35
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-03-1S	**Basis:**	NA
Lab Code:	K2503150-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**229**	mg/L	10	1	04/02/25 17:30	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 08:55
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-02-10DR	**Basis:**	NA
Lab Code:	K2503150-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**12.5**	mg/L	0.20	2	03/27/25 20:01	
Nitrate as Nitrogen	300.0	**2.31**	mg/L	0.10	2	03/27/25 20:01	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 08:55
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-02-10DR	**Basis:**	NA
Lab Code:	K2503150-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**228**	mg/L	10	1	04/02/25 17:30	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 08:20
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-01-10SR	**Basis:**	NA
Lab Code:	K2503150-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**18.2**	mg/L	0.50	5	03/29/25 15:20	
Nitrate as Nitrogen	300.0	**0.69**	mg/L	0.10	2	03/27/25 20:10	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 08:20
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-01-10SR	**Basis:**	NA
Lab Code:	K2503150-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**256**	mg/L	10	1	04/02/25 17:30	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 11:15
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-05-26D	**Basis:**	NA
Lab Code:	K2503150-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**6.56**	mg/L	0.20	2	03/27/25 20:19	
Nitrate as Nitrogen	300.0	**4.95**	mg/L	0.10	2	03/27/25 20:19	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 11:15
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-05-26D	**Basis:**	NA
Lab Code:	K2503150-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**179**	mg/L	10	1	04/02/25 17:30	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 11:45
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-06-26I	**Basis:**	NA
Lab Code:	K2503150-006		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**5.79**	mg/L	0.20	2	03/27/25 20:27	
Nitrate as Nitrogen	300.0	**4.32**	mg/L	0.10	2	03/27/25 20:27	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 11:45
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-06-26I	**Basis:**	NA
Lab Code:	K2503150-006		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**174**	mg/L	10	1	04/02/25 17:30	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 12:20
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-07-27I	**Basis:**	NA
Lab Code:	K2503150-007		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**8.75**	mg/L	0.20	2	03/27/25 20:36	
Nitrate as Nitrogen	300.0	**1.15**	mg/L	0.10	2	03/27/25 20:36	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25 12:20
Sample Matrix:	Ground Water	**Date Received:**	03/27/25 12:30
Sample Name:	LB-032625-07-27I	**Basis:**	NA
Lab Code:	K2503150-007		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**329**	mg/L	10	1	04/02/25 17:30	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: SCS Engineers **Service Request:** K2503150
Project: Leichner Landfill, WA/04225030.13
Sample Matrix: Ground Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: None

Sample Name	Lab Code	4-Bromofluorobenzene 68 - 117	Dibromofluoromethane 73 - 122	Toluene-d8 65 - 144
LB-032625-04-1D	K2503150-001	93	113	106
LB-032625-03-1S	K2503150-002	92	115	108
LB-032625-02-10DR	K2503150-003	95	115	107
LB-032625-01-10SR	K2503150-004	94	115	108
LB-032625-05-26D	K2503150-005	93	114	106
LB-032625-06-26I	K2503150-006	94	116	107
LB-032625-07-27I	K2503150-007	91	117	108
Trip Blank	K2503150-008	94	114	108
Lab Control Sample	KQ2505193-03	101	99	97
Duplicate Lab Control Sample	KQ2505193-04	100	99	98
Method Blank	KQ2505193-05	94	114	108

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2505193-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	03/28/25 17:49	
Benzene	ND U	0.50	1	03/28/25 17:49	
Bromobenzene	ND U	2.0	1	03/28/25 17:49	
Bromochloromethane	ND U	0.50	1	03/28/25 17:49	
Bromodichloromethane	ND U	0.50	1	03/28/25 17:49	
Bromoform	ND U	0.50	1	03/28/25 17:49	
Bromomethane	ND U	0.50	1	03/28/25 17:49	
2-Butanone (MEK)	ND U	20	1	03/28/25 17:49	
n-Butylbenzene	ND U	4.0	1	03/28/25 17:49	
sec-Butylbenzene	ND U	2.0	1	03/28/25 17:49	
tert-Butylbenzene	ND U	2.0	1	03/28/25 17:49	
Carbon Disulfide	ND U	0.50	1	03/28/25 17:49	
Carbon Tetrachloride	ND U	0.50	1	03/28/25 17:49	
Chlorobenzene	ND U	0.50	1	03/28/25 17:49	
Chloroethane	ND U	0.50	1	03/28/25 17:49	
Chloroform	ND U	0.50	1	03/28/25 17:49	
Chloromethane	ND U	0.50	1	03/28/25 17:49	
2-Chlorotoluene	ND U	2.0	1	03/28/25 17:49	
4-Chlorotoluene	ND U	2.0	1	03/28/25 17:49	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	03/28/25 17:49	
Dibromochloromethane	ND U	0.50	1	03/28/25 17:49	
1,2-Dibromoethane (EDB)	ND U	2.0	1	03/28/25 17:49	
Dibromomethane	ND U	0.50	1	03/28/25 17:49	
1,2-Dichlorobenzene	ND U	0.50	1	03/28/25 17:49	
1,3-Dichlorobenzene	ND U	0.50	1	03/28/25 17:49	
1,4-Dichlorobenzene	ND U	0.50	1	03/28/25 17:49	
Dichlorodifluoromethane	ND U	0.50	1	03/28/25 17:49	
1,1-Dichloroethane	ND U	0.50	1	03/28/25 17:49	
cis-1,2-Dichloroethene	ND U	0.50	1	03/28/25 17:49	
trans-1,2-Dichloroethene	ND U	0.50	1	03/28/25 17:49	
1,2-Dichloropropane	ND U	0.50	1	03/28/25 17:49	
1,3-Dichloropropane	ND U	0.50	1	03/28/25 17:49	
2,2-Dichloropropane	ND U	0.50	1	03/28/25 17:49	
1,1-Dichloropropene	ND U	0.50	1	03/28/25 17:49	
cis-1,3-Dichloropropene	ND U	0.50	1	03/28/25 17:49	
trans-1,3-Dichloropropene	ND U	0.50	1	03/28/25 17:49	
Ethylbenzene	ND U	0.50	1	03/28/25 17:49	
Hexachlorobutadiene	ND U	2.0	1	03/28/25 17:49	
2-Hexanone	ND U	20	1	03/28/25 17:49	
Isopropylbenzene	ND U	2.0	1	03/28/25 17:49	
4-Isopropyltoluene	ND U	2.0	1	03/28/25 17:49	

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2505193-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	03/28/25 17:49	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	03/28/25 17:49	
Methylene Chloride	ND U	2.0	1	03/28/25 17:49	
Naphthalene	ND U	2.0	1	03/28/25 17:49	
n-Propylbenzene	ND U	2.0	1	03/28/25 17:49	
Styrene	ND U	0.50	1	03/28/25 17:49	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	03/28/25 17:49	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	03/28/25 17:49	
Tetrachloroethene (PCE)	ND U	0.50	1	03/28/25 17:49	
Toluene	ND U	0.50	1	03/28/25 17:49	
1,2,3-Trichlorobenzene	ND U	2.0	1	03/28/25 17:49	
1,2,4-Trichlorobenzene	ND U	2.0	1	03/28/25 17:49	
1,1,2-Trichloroethane	ND U	0.50	1	03/28/25 17:49	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	03/28/25 17:49	
Trichloroethene (TCE)	ND U	0.50	1	03/28/25 17:49	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	03/28/25 17:49	
1,2,3-Trichloropropane	ND U	0.50	1	03/28/25 17:49	
1,2,4-Trimethylbenzene	ND U	2.0	1	03/28/25 17:49	
1,3,5-Trimethylbenzene	ND U	2.0	1	03/28/25 17:49	
Vinyl Chloride	ND U	0.50	1	03/28/25 17:49	
o-Xylene	ND U	0.50	1	03/28/25 17:49	
m,p-Xylenes	ND U	0.50	1	03/28/25 17:49	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	68 - 117	03/28/25 17:49	
Dibromofluoromethane	114	73 - 122	03/28/25 17:49	
Toluene-d8	108	65 - 144	03/28/25 17:49	

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Analyzed:**	03/28/25
Sample Matrix:	Ground Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	874327

	Lab Control Sample KQ2505193-03			Duplicate Lab Control Sample KQ2505193-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	8.70	10.0	87	8.46	10.0	85	66-124	3	30
1,1,1-Trichloroethane (TCA)	8.38	10.0	84	7.48	10.0	75	59-136	11	30
1,1,2,2-Tetrachloroethane	8.69	10.0	87	8.45	10.0	85	70-127	3	30
1,1,2-Trichloroethane	9.37	10.0	94	9.36	10.0	94	74-118	<1	30
1,1-Dichloroethane	9.42	10.0	94	8.86	10.0	89	68-132	6	30
1,1-Dichloropropene	9.71	10.0	97	8.90	10.0	89	59-134	9	30
1,2,3-Trichlorobenzene	7.98	10.0	80	7.81	10.0	78	68-120	2	30
1,2,3-Trichloropropane	8.05	10.0	81	8.30	10.0	83	69-123	3	30
1,2,4-Trichlorobenzene	8.08	10.0	81	7.85	10.0	79	58-126	3	30
1,2,4-Trimethylbenzene	7.99	10.0	80	7.55	10.0	76	63-122	6	30
1,2-Dibromo-3-chloropropane	7.44	10.0	74	7.36	10.0	74	55-132	1	30
1,2-Dibromoethane (EDB)	9.49	10.0	95	9.45	10.0	95	74-118	<1	30
1,2-Dichlorobenzene	9.04	10.0	90	8.73	10.0	87	72-115	3	30
1,2-Dichloropropane	8.84	10.0	88	8.45	10.0	85	67-126	5	30
1,3,5-Trimethylbenzene	8.34	10.0	83	7.86	10.0	79	62-126	6	30
1,3-Dichlorobenzene	9.08	10.0	91	8.76	10.0	88	70-116	4	30
1,3-Dichloropropane	9.45	10.0	95	9.30	10.0	93	75-116	2	30
1,4-Dichlorobenzene	9.13	10.0	91	8.79	10.0	88	73-115	4	30
2,2-Dichloropropane	6.00	10.0	60	5.37	10.0	54	37-145	11	30
2-Butanone (MEK)	46.1	50.0	92	47.3	50.0	95	71-149	3	30
2-Chlorotoluene	8.39	10.0	84	7.86	10.0	79	55-131	7	30
2-Hexanone	45.1	50.0	90	44.0	50.0	88	59-131	2	30
4-Chlorotoluene	8.28	10.0	83	7.92	10.0	79	66-121	4	30
4-Isopropyltoluene	9.43	10.0	94	8.77	10.0	88	61-128	7	30
4-Methyl-2-pentanone (MIBK)	43.7	50.0	87	44.3	50.0	89	64-134	1	30
Acetone	38.7	50.0	77	37.7	50.0	75	68-135	3	30
Benzene	10.1	10.0	101	9.48	10.0	95	69-124	6	30
Bromobenzene	9.31	10.0	93	9.11	10.0	91	72-116	2	30
Bromochloromethane	11.6	10.0	116	11.2	10.0	112	75-131	4	30
Bromodichloromethane	8.38	10.0	84	8.11	10.0	81	63-129	3	30
Bromoform	9.30	10.0	93	8.99	10.0	90	52-144	3	30
Bromomethane	9.32	10.0	93	8.84	10.0	88	35-113	5	30
Carbon Disulfide	22.4	20.0	112	19.8	20.0	99	46-144	12	30
Carbon Tetrachloride	8.57	10.0	86	7.56	10.0	76	55-140	13	30
Chlorobenzene	10.7	10.0	107	10.3	10.0	103	72-116	4	30
Chloroethane	9.63	10.0	96	8.76	10.0	88	58-134	9	30
Chloroform	8.93	10.0	89	8.57	10.0	86	70-129	4	30
Chloromethane	8.77	10.0	88	7.91	10.0	79	34-130	10	30
cis-1,2-Dichloroethene	10.4	10.0	104	9.70	10.0	97	71-118	7	30
cis-1,3-Dichloropropene	7.52	10.0	75	7.33	10.0	73	62-132	3	30
Dibromochloromethane	8.35	10.0	84	8.25	10.0	83	67-126	1	30

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Analyzed:**	03/28/25
Sample Matrix:	Ground Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	874327

	Lab Control Sample KQ2505193-03			Duplicate Lab Control Sample KQ2505193-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Dibromomethane	9.02	10.0	90	8.91	10.0	89	69-128	1	30
Dichlorodifluoromethane	10.8	10.0	108	9.16	10.0	92	32-124	16	30
Ethylbenzene	11.2	10.0	112	10.3	10.0	103	67-121	8	30
Hexachlorobutadiene	9.20	10.0	92	8.30	10.0	83	57-119	10	30
Isopropylbenzene	9.30	10.0	93	8.53	10.0	85	67-129	9	30
m,p-Xylenes	22.3	20.0	111	20.8	20.0	104	69-121	7	30
Methyl tert-Butyl Ether	7.39	10.0	74	7.36	10.0	74	54-126	<1	30
Methylene Chloride	10.6	10.0	106	10.2	10.0	102	71-122	4	30
Naphthalene	6.59	10.0	66	6.69	10.0	67	64-126	2	30
n-Butylbenzene	8.55	10.0	86	7.80	10.0	78	55-130	9	30
n-Propylbenzene	8.89	10.0	89	8.26	10.0	83	61-124	7	30
o-Xylene	10.9	10.0	109	10.3	10.0	103	71-119	6	30
sec-Butylbenzene	9.47	10.0	95	8.77	10.0	88	59-128	8	30
Styrene	10.8	10.0	108	10.4	10.0	104	74-121	4	30
tert-Butylbenzene	8.98	10.0	90	8.35	10.0	84	61-127	7	30
Tetrachloroethene (PCE)	11.1	10.0	111	10.3	10.0	103	62-126	8	30
Toluene	9.99	10.0	100	9.37	10.0	94	69-124	6	30
trans-1,2-Dichloroethene	10.9	10.0	109	10.1	10.0	101	67-125	8	30
trans-1,3-Dichloropropene	6.75	10.0	68	6.66	10.0	67	59-125	1	30
Trichloroethene (TCE)	9.19	10.0	92	8.56	10.0	86	67-128	7	30
Trichlorofluoromethane (CFC 11)	9.96	10.0	100	8.55	10.0	86	52-141	15	30
Vinyl Chloride	9.66	10.0	97	8.48	10.0	85	55-123	13	30

Metals

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	KQ2505103-01		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	03/31/25 13:38	03/28/25	
Manganese	6020B	ND U	ug/L	0.20	1	03/31/25 13:38	03/28/25	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill, WA/04225030.13
Sample Matrix: Ground Water

Service Request: K2503150
Date Analyzed: 03/31/25

Lab Control Sample Summary
Dissolved Metals

Units:ug/L
Basis:NA

Lab Control Sample
KQ2505103-02

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Iron	6020B	52.8	50.0	106	80-120
Manganese	6020B	25.6	25.0	103	80-120

General Chemistry

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2503150-MB1		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	03/27/25 15:08	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.050	1	03/27/25 15:08	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2503150-MB1		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	04/02/25 17:30	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2503150-MB2		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	03/27/25 17:25	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.050	1	03/27/25 17:25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2503150-MB2		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	04/02/25 17:30	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2503150-MB3		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	03/29/25 13:53	

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QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill, WA/04225030.13
Sample Matrix: Ground Water

Service Request:K2503150
Date Collected:03/26/25
Date Received:03/27/25
Date Analyzed:3/27/25

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: LB-032625-04-1D
Lab Code: K2503150-001

Units:mg/L
Basis:NA

			Matrix Spike K2503150-001MS			Duplicate Matrix Spike K2503150-001DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chloride	300.0	6.28	21.3	16.0	94	21.4	16.0	94	90-110	<1	20
Nitrate as Nitrogen	300.0	5.67	13.5	8.00	98	13.5	8.00	98	90-110	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill, WA/04225030.13
Sample Matrix: Ground Water

Service Request:K2503150
Date Collected:03/26/25
Date Received:03/27/25
Date Analyzed:3/27/25

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: LB-032625-03-1S
Lab Code: K2503150-002

Units:mg/L
Basis:NA

			Matrix Spike K2503150-002MS			Duplicate Matrix Spike K2503150-002DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chloride	300.0	13.4	29.1	16.0	98	29.1	16.0	98	90-110	<1	20
Nitrate as Nitrogen	300.0	4.76	12.6	8.00	99	12.6	8.00	99	90-110	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25
Sample Matrix:	Ground Water	**Date Received:**	03/27/25
		Date Analyzed:	03/27/25

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	LB-032625-04-1D	**Units:**	mg/L
Lab Code:	K2503150-001	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K2503150-001DUP Result	Average	RPD	RPD Limit
Chloride	300.0	0.20	6.28	5.96	6.12	5	20
Nitrate as Nitrogen	300.0	0.10	5.67	5.69	5.68	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25
Sample Matrix:	Ground Water	**Date Received:**	03/27/25
		Date Analyzed:	03/27/25

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	LB-032625-03-1S	**Units:**	mg/L
Lab Code:	K2503150-002	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K2503150-002DUP Result	Average	RPD	RPD Limit
Chloride	300.0	0.20	13.4	13.5	13.5	<1	20
Nitrate as Nitrogen	300.0	0.10	4.76	4.77	4.76	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project	Leichner Landfill, WA/04225030.13	**Date Collected:**	03/26/25
Sample Matrix:	Ground Water	**Date Received:**	03/27/25
		Date Analyzed:	04/02/25

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	LB-032625-07-27I	**Units:**	mg/L
Lab Code:	K2503150-007	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K2503150-007DUP Result	Average	RPD	RPD Limit
Solids, Total Dissolved	SM 2540 C	10	329	328	329	<1	5

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
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QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill, WA/04225030.13
Sample Matrix: Ground Water

Service Request: K2503150
Date Analyzed: 03/27/25 - 04/02/25

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
K2503150-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	4.83	5.00	97	90-110
Nitrate as Nitrogen	300.0	2.53	2.50	101	90-110
Solids, Total Dissolved	SM 2540 C	1750	1760	100	85-115

ALS Group USA, Corp.
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QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill, WA/04225030.13
Sample Matrix: Ground Water

Service Request: K2503150
Date Analyzed: 03/27/25

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
K2503150-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	4.85	5.00	97	90-110
Nitrate as Nitrogen	300.0	2.52	2.50	101	90-110

ALS Group USA, Corp.
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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2503150
Project:	Leichner Landfill, WA/04225030.13	**Date Analyzed:**	03/29/25
Sample Matrix:	Ground Water	**Date Extracted:**	NA

Lab Control Sample Summary
Chloride

Analysis Method:	300.0	**Units:**	mg/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	874286

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K2503150-LCS3	4.77	5.00	95	90-110

Third Quarter (July) 2025 Laboratory Reports

August 11, 2025 Service Request No:K2507465

Barbara Lary
SCS Engineers
15940 SW 72nd Ave
Portland, OR 97224

Laboratory Results for: Leichner Landfill

Dear Barbara,

Enclosed are the results of the sample(s) submitted to our laboratory July 29, 2025
For your reference, these analyses have been assigned our service request number **K2507465.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3376. You may also contact me via email at Mark.Harris@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Mark Harris
Project Manager

ADDRESS 1317 S. 13th Avenue, Kelso, WA 98626
PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: SCS Engineers
Project: Leichner Landfill
Sample Matrix: Ground Water

Service Request: K2507465
Date Received: 07/29/2025

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Six ground water samples were received for analysis at ALS Environmental on 07/29/2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 08/07/2025:The following analytes were flagged as outside the control criterion for Continuing Calibration Verification (CCV) KQ2513917-02: Chloromethane and Dichlorodifluoromethane. In accordance with the EPA Method, 80% or more of the CCV analytes must have passed within 20% of the true value. The remaining analytes are allowed a 40% difference as per the ALS SOP. The CCV met these criteria. No further corrective action was required.

Method 8260C, 08/07/2025:The upper control criterion was exceeded for Bromomethane in Duplicate Lab Control Sample (DLCS) KQ2513917-04. The analyte in question was not detected in the associated field samples. The error associated with elevated recovery indicated a high bias. The sample data was not significantly affected. No further corrective action was appropriate.

Method 8260C, 08/07/2025:The upper control criterion was exceeded for one or more surrogates in samples LB-072825-02-FB and LB-072825-03-6S. No target associated native analytes were detected in the sample. The error associated with an elevated recovery equated to a high bias. The quality of the sample data was not significantly affected. No further corrective action was appropriate.

Approved by Noe D. Diaz Date 08/11/2025

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: LB-072825-01-5S			Lab ID: K2507465-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	4.28			0.20	mg/L	300.0
Iron, Dissolved	11.4			2.0	ug/L	6020B
Manganese, Dissolved	0.80			0.20	ug/L	6020B
Nitrate as Nitrogen	4.58			0.10	mg/L	300.0
Solids, Total Dissolved	148			10	mg/L	SM 2540 C

CLIENT ID: LB-072825-03-6S			Lab ID: K2507465-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	3.15			0.20	mg/L	300.0
Iron, Dissolved	9.5			2.0	ug/L	6020B
Manganese, Dissolved	0.53			0.20	ug/L	6020B
Nitrate as Nitrogen	1.32			0.10	mg/L	300.0
Solids, Total Dissolved	147			10	mg/L	SM 2540 C

CLIENT ID: LB-072825-04-26I			Lab ID: K2507465-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride Manganese,	7.64			0.20	mg/L	300.0
Dissolved Nitrate as	5.78			0.20	ug/L	6020B
Nitrogen Solids, Total	3.77			0.10	mg/L	300.0
Dissolved	197			10	mg/L	SM 2540 C

CLIENT ID: LB-072825-05-13I			Lab ID: K2507465-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	7.87			0.20	mg/L	300.0
Iron, Dissolved	4.1			2.0	ug/L	6020B
Manganese, Dissolved	1.18			0.20	ug/L	6020B
Nitrate as Nitrogen	4.33			0.10	mg/L	300.0
Solids, Total Dissolved	204			10	mg/L	SM 2540 C

Sample Receipt Information

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: SCS Engineers **Service Request:**K2507465

Project: Leichner Landfill/04225030.13

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
K2507465-001	LB-072825-01-5S	7/28/2025	1230
K2507465-002	LB-072825-02-FB	7/28/2025	1235
K2507465-003	LB-072825-03-6S	7/28/2025	1400
K2507465-004	LB-072825-04-26I	7/28/2025	1445
K2507465-005	LB-072825-05-13I	7/28/2025	1540
K2507465-006	TB1	7/28/2025	0700

☐ ALS Environmental
1317 South 13th Ave
Kelso, WA 98626
(Tel) 360.577.7222
(Fax) 360.636.1068

Chain of Custody Form

Page 1 of 1

1425074/65

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Leichner Landfill	A	Volatile Organics (Method 8260)
Work Order		Project Number	04225030.13	B	Chloride
Company Name	SCS Engineers	Bill To Company	SCS Engineers	C	TDS
Send Report To	Barb Lary	Invoice Attn.	Heather Williams	D	Nitrate (Short Hold)
Address	15940 SW 72nd Ave	Address	15940 SW 72nd Ave	E	Dissolved Metals (Fe, Mn)
				F	
City/State/Zip	Portland OR 97224	City/State/Zip	Portland OR 97224	G	
Phone	(971) 284-1297	Phone	(503) 639-1103	H	
Fax		Fax		I	
e-Mail Address	BLary@scsengineers.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	Notes	Hold
1	LB-072825-01-5S	7/28/2025	1230	W	1, 2,8	5	X	X	X	X	X		Metals are Field Filtered	
2	LB-072825-02-FB	7/28/2025	1235	W	1, 2,8	5	X	X	X	X	X			
3	LB-072825-03-6S	7/28/2025	1400	W	1, 2,8	5	X	X	X	X	X			
4	LB-072825-04-26I	7/28/2025	1445	W	1, 2,8	5	X	X	X	X	X			
5	LB-072825-05-13I	7/28/2025	1540	W	1, 2,8	5	X	X	X	X	X			
6	TB1	7/28/2025	0700	W	1,8	2	X							
7														
8														
9														
10														

Sampler(s): Please Print & Sign: J. Mack

Shipment Method:

Required Turnaround Time: (Check Box) ☐ 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☑ Other STD

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
	7/29/25	1030	Diane Price	7/29/25	1030	
Relinquished by: Diane Price	Date: 7/29/25	Time: 1330	Received by (Laboratory):	Date:	Time:	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			

ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)	
		☐ Level II: Standard QC	☐ Level III: Raw Data
		☐ TRRP LRC	☐ TRRP Level IV
		☐ Level IV: SW846 Methods/CLP like	
		☐ Other:	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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Cooler Receipt and Preservation Form

PM MH

Client SCS Engineers Service Request K25 07463

Received: 7/29/25 Opened: 7/29/25 By: pdp Unloaded: 7/29/25 By: pdp

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* (Courier) *Hand Delivered*
2. Samples were received in: (circle) (Cooler) *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA (Y) N If yes, how many and where? Front
   If present, were custody seals intact? (Y) N If present, were they signed and dated? (Y) N

Temp Blank	Sample Temp	IR Gun pdp	Cooler #/COC ID / NA	Out of temp Indicate with "X"	PM Notified If out of temp	Tracking Number NA	Filed
	2.2	IR06	IR02				

4. Was a Temperature Blank present in cooler? NA Y (N) If yes, notate the temperature in the appropriate column below:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA (Y) N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. (NA) Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* (Wet Ice) *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Were samples received in good condition (unbroken) NA (Y) N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA (Y) N
10. Did all sample labels and tags agree with custody papers? NA (Y) N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA (Y) N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA (Y) N
14. Was C12/Res negative? (NA) Y N
15. Were samples received within method specified time limit? If not, notate the error below and notify the PM. (NA) Y N
16. Were 100mL sterile microbiology bottles filled exactly to the 100mL mark? (NA) Y N Underfilled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

STORED

Notes, Discrepancies, Resolutions: _____

Miscellaneous Forms

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1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value over the calibration range.
J	The result is an estimated value between the MDL and the MRL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13		

Sample Name:	LB-072825-01-5S	**Date Collected:**	07/28/25
Lab Code:	K2507465-001	**Date Received:**	07/29/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		EWANOUS
SM 2540 C		AWILSON

Sample Name:	LB-072825-02-FB	**Date Collected:**	07/28/25
Lab Code:	K2507465-002	**Date Received:**	07/29/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		EWANOUS
SM 2540 C		AWILSON

Sample Name:	LB-072825-03-6S	**Date Collected:**	07/28/25
Lab Code:	K2507465-003	**Date Received:**	07/29/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		EWANOUS
SM 2540 C		AWILSON

Sample Name:	LB-072825-04-26I	**Date Collected:**	07/28/25
Lab Code:	K2507465-004	**Date Received:**	07/29/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13		

Sample Name:	LB-072825-04-26I	**Date Collected:**	07/28/25
Lab Code:	K2507465-004	**Date Received:**	07/29/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
6020B	MCHATTICK	ABOYER
8260C		EWANOUS
SM 2540 C		AWILSON

Sample Name:	LB-072825-05-13I	**Date Collected:**	07/28/25
Lab Code:	K2507465-005	**Date Received:**	07/29/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		EWANOUS
SM 2540 C		AWILSON

Sample Name:	TB1	**Date Collected:**	07/28/25
Lab Code:	K2507465-006	**Date Received:**	07/29/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Sample Results

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Volatile Organic Compounds by GC/MS

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www.alsglobal.com

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 12:30
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-01-5S	**Units:**	ug/L
Lab Code:	K2507465-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	08/07/25 14:26	
Benzene	ND U	0.50	1	08/07/25 14:26	
Bromobenzene	ND U	2.0	1	08/07/25 14:26	
Bromochloromethane	ND U	0.50	1	08/07/25 14:26	
Bromodichloromethane	ND U	0.50	1	08/07/25 14:26	
Bromoform	ND U	0.50	1	08/07/25 14:26	
Bromomethane	ND U	0.50	1	08/07/25 14:26	*
2-Butanone (MEK)	ND U	20	1	08/07/25 14:26	
n-Butylbenzene	ND U	4.0	1	08/07/25 14:26	
sec-Butylbenzene	ND U	2.0	1	08/07/25 14:26	
tert-Butylbenzene	ND U	2.0	1	08/07/25 14:26	
Carbon Disulfide	ND U	0.50	1	08/07/25 14:26	
Carbon Tetrachloride	ND U	0.50	1	08/07/25 14:26	
Chlorobenzene	ND U	0.50	1	08/07/25 14:26	
Chloroethane	ND U	0.50	1	08/07/25 14:26	
Chloroform	ND U	0.50	1	08/07/25 14:26	
Chloromethane	ND U	0.50	1	08/07/25 14:26	*
2-Chlorotoluene	ND U	2.0	1	08/07/25 14:26	
4-Chlorotoluene	ND U	2.0	1	08/07/25 14:26	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	08/07/25 14:26	
Dibromochloromethane	ND U	0.50	1	08/07/25 14:26	
1,2-Dibromoethane (EDB)	ND U	2.0	1	08/07/25 14:26	
Dibromomethane	ND U	0.50	1	08/07/25 14:26	
1,2-Dichlorobenzene	ND U	0.50	1	08/07/25 14:26	
1,3-Dichlorobenzene	ND U	0.50	1	08/07/25 14:26	
1,4-Dichlorobenzene	ND U	0.50	1	08/07/25 14:26	
Dichlorodifluoromethane	ND U	0.50	1	08/07/25 14:26	*
1,1-Dichloroethane	ND U	0.50	1	08/07/25 14:26	
cis-1,2-Dichloroethene	ND U	0.50	1	08/07/25 14:26	
trans-1,2-Dichloroethene	ND U	0.50	1	08/07/25 14:26	
1,2-Dichloropropane	ND U	0.50	1	08/07/25 14:26	
1,3-Dichloropropane	ND U	0.50	1	08/07/25 14:26	
2,2-Dichloropropane	ND U	0.50	1	08/07/25 14:26	
1,1-Dichloropropene	ND U	0.50	1	08/07/25 14:26	
cis-1,3-Dichloropropene	ND U	0.50	1	08/07/25 14:26	
trans-1,3-Dichloropropene	ND U	0.50	1	08/07/25 14:26	
Ethylbenzene	ND U	0.50	1	08/07/25 14:26	
Hexachlorobutadiene	ND U	2.0	1	08/07/25 14:26	
2-Hexanone	ND U	20	1	08/07/25 14:26	
Isopropylbenzene	ND U	2.0	1	08/07/25 14:26	
4-Isopropyltoluene	ND U	2.0	1	08/07/25 14:26	

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 12:30
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-01-5S	**Units:**	ug/L
Lab Code:	K2507465-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	08/07/25 14:26	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	08/07/25 14:26	
Methylene Chloride	ND U	2.0	1	08/07/25 14:26	
Naphthalene	ND U	2.0	1	08/07/25 14:26	
n-Propylbenzene	ND U	2.0	1	08/07/25 14:26	
Styrene	ND U	0.50	1	08/07/25 14:26	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	08/07/25 14:26	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	08/07/25 14:26	
Tetrachloroethene (PCE)	ND U	0.50	1	08/07/25 14:26	
Toluene	ND U	0.50	1	08/07/25 14:26	
1,2,3-Trichlorobenzene	ND U	2.0	1	08/07/25 14:26	
1,2,4-Trichlorobenzene	ND U	2.0	1	08/07/25 14:26	
1,1,2-Trichloroethane	ND U	0.50	1	08/07/25 14:26	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	08/07/25 14:26	
Trichloroethene (TCE)	ND U	0.50	1	08/07/25 14:26	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	08/07/25 14:26	
1,2,3-Trichloropropane	ND U	0.50	1	08/07/25 14:26	
1,2,4-Trimethylbenzene	ND U	2.0	1	08/07/25 14:26	
1,3,5-Trimethylbenzene	ND U	2.0	1	08/07/25 14:26	
Vinyl Chloride	ND U	0.50	1	08/07/25 14:26	
o-Xylene	ND U	0.50	1	08/07/25 14:26	
m,p-Xylenes	ND U	0.50	1	08/07/25 14:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	83	68 - 117	08/07/25 14:26	
Dibromofluoromethane	118	73 - 122	08/07/25 14:26	
Toluene-d8	92	65 - 144	08/07/25 14:26	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 12:35
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-02-FB	**Units:**	ug/L
Lab Code:	K2507465-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	08/07/25 14:47	
Benzene	ND U	0.50	1	08/07/25 14:47	
Bromobenzene	ND U	2.0	1	08/07/25 14:47	
Bromochloromethane	ND U	0.50	1	08/07/25 14:47	
Bromodichloromethane	ND U	0.50	1	08/07/25 14:47	
Bromoform	ND U	0.50	1	08/07/25 14:47	
Bromomethane	ND U	0.50	1	08/07/25 14:47	*
2-Butanone (MEK)	ND U	20	1	08/07/25 14:47	
n-Butylbenzene	ND U	4.0	1	08/07/25 14:47	
sec-Butylbenzene	ND U	2.0	1	08/07/25 14:47	
tert-Butylbenzene	ND U	2.0	1	08/07/25 14:47	
Carbon Disulfide	ND U	0.50	1	08/07/25 14:47	
Carbon Tetrachloride	ND U	0.50	1	08/07/25 14:47	
Chlorobenzene	ND U	0.50	1	08/07/25 14:47	
Chloroethane	ND U	0.50	1	08/07/25 14:47	
Chloroform	ND U	0.50	1	08/07/25 14:47	
Chloromethane	ND U	0.50	1	08/07/25 14:47	*
2-Chlorotoluene	ND U	2.0	1	08/07/25 14:47	
4-Chlorotoluene	ND U	2.0	1	08/07/25 14:47	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	08/07/25 14:47	
Dibromochloromethane	ND U	0.50	1	08/07/25 14:47	
1,2-Dibromoethane (EDB)	ND U	2.0	1	08/07/25 14:47	
Dibromomethane	ND U	0.50	1	08/07/25 14:47	
1,2-Dichlorobenzene	ND U	0.50	1	08/07/25 14:47	
1,3-Dichlorobenzene	ND U	0.50	1	08/07/25 14:47	
1,4-Dichlorobenzene	ND U	0.50	1	08/07/25 14:47	
Dichlorodifluoromethane	ND U	0.50	1	08/07/25 14:47	*
1,1-Dichloroethane	ND U	0.50	1	08/07/25 14:47	
cis-1,2-Dichloroethene	ND U	0.50	1	08/07/25 14:47	
trans-1,2-Dichloroethene	ND U	0.50	1	08/07/25 14:47	
1,2-Dichloropropane	ND U	0.50	1	08/07/25 14:47	
1,3-Dichloropropane	ND U	0.50	1	08/07/25 14:47	
2,2-Dichloropropane	ND U	0.50	1	08/07/25 14:47	
1,1-Dichloropropene	ND U	0.50	1	08/07/25 14:47	
cis-1,3-Dichloropropene	ND U	0.50	1	08/07/25 14:47	
trans-1,3-Dichloropropene	ND U	0.50	1	08/07/25 14:47	
Ethylbenzene	ND U	0.50	1	08/07/25 14:47	
Hexachlorobutadiene	ND U	2.0	1	08/07/25 14:47	
2-Hexanone	ND U	20	1	08/07/25 14:47	
Isopropylbenzene	ND U	2.0	1	08/07/25 14:47	
4-Isopropyltoluene	ND U	2.0	1	08/07/25 14:47	

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 12:35
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-02-FB	**Units:**	ug/L
Lab Code:	K2507465-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	08/07/25 14:47	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	08/07/25 14:47	
Methylene Chloride	ND U	2.0	1	08/07/25 14:47	
Naphthalene	ND U	2.0	1	08/07/25 14:47	
n-Propylbenzene	ND U	2.0	1	08/07/25 14:47	
Styrene	ND U	0.50	1	08/07/25 14:47	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	08/07/25 14:47	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	08/07/25 14:47	
Tetrachloroethene (PCE)	ND U	0.50	1	08/07/25 14:47	
Toluene	ND U	0.50	1	08/07/25 14:47	
1,2,3-Trichlorobenzene	ND U	2.0	1	08/07/25 14:47	
1,2,4-Trichlorobenzene	ND U	2.0	1	08/07/25 14:47	
1,1,2-Trichloroethane	ND U	0.50	1	08/07/25 14:47	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	08/07/25 14:47	
Trichloroethene (TCE)	ND U	0.50	1	08/07/25 14:47	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	08/07/25 14:47	
1,2,3-Trichloropropane	ND U	0.50	1	08/07/25 14:47	
1,2,4-Trimethylbenzene	ND U	2.0	1	08/07/25 14:47	
1,3,5-Trimethylbenzene	ND U	2.0	1	08/07/25 14:47	
Vinyl Chloride	ND U	0.50	1	08/07/25 14:47	
o-Xylene	ND U	0.50	1	08/07/25 14:47	
m,p-Xylenes	ND U	0.50	1	08/07/25 14:47	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	82	68 - 117	08/07/25 14:47	
Dibromofluoromethane	123	73 - 122	08/07/25 14:47	*
Toluene-d8	95	65 - 144	08/07/25 14:47	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 14:00
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-03-6S	**Units:**	ug/L
Lab Code:	K2507465-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	08/07/25 15:08	
Benzene	ND U	0.50	1	08/07/25 15:08	
Bromobenzene	ND U	2.0	1	08/07/25 15:08	
Bromochloromethane	ND U	0.50	1	08/07/25 15:08	
Bromodichloromethane	ND U	0.50	1	08/07/25 15:08	
Bromoform	ND U	0.50	1	08/07/25 15:08	
Bromomethane	ND U	0.50	1	08/07/25 15:08	*
2-Butanone (MEK)	ND U	20	1	08/07/25 15:08	
n-Butylbenzene	ND U	4.0	1	08/07/25 15:08	
sec-Butylbenzene	ND U	2.0	1	08/07/25 15:08	
tert-Butylbenzene	ND U	2.0	1	08/07/25 15:08	
Carbon Disulfide	ND U	0.50	1	08/07/25 15:08	
Carbon Tetrachloride	ND U	0.50	1	08/07/25 15:08	
Chlorobenzene	ND U	0.50	1	08/07/25 15:08	
Chloroethane	ND U	0.50	1	08/07/25 15:08	
Chloroform	ND U	0.50	1	08/07/25 15:08	
Chloromethane	ND U	0.50	1	08/07/25 15:08	*
2-Chlorotoluene	ND U	2.0	1	08/07/25 15:08	
4-Chlorotoluene	ND U	2.0	1	08/07/25 15:08	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	08/07/25 15:08	
Dibromochloromethane	ND U	0.50	1	08/07/25 15:08	
1,2-Dibromoethane (EDB)	ND U	2.0	1	08/07/25 15:08	
Dibromomethane	ND U	0.50	1	08/07/25 15:08	
1,2-Dichlorobenzene	ND U	0.50	1	08/07/25 15:08	
1,3-Dichlorobenzene	ND U	0.50	1	08/07/25 15:08	
1,4-Dichlorobenzene	ND U	0.50	1	08/07/25 15:08	
Dichlorodifluoromethane	ND U	0.50	1	08/07/25 15:08	*
1,1-Dichloroethane	ND U	0.50	1	08/07/25 15:08	
cis-1,2-Dichloroethene	ND U	0.50	1	08/07/25 15:08	
trans-1,2-Dichloroethene	ND U	0.50	1	08/07/25 15:08	
1,2-Dichloropropane	ND U	0.50	1	08/07/25 15:08	
1,3-Dichloropropane	ND U	0.50	1	08/07/25 15:08	
2,2-Dichloropropane	ND U	0.50	1	08/07/25 15:08	
1,1-Dichloropropene	ND U	0.50	1	08/07/25 15:08	
cis-1,3-Dichloropropene	ND U	0.50	1	08/07/25 15:08	
trans-1,3-Dichloropropene	ND U	0.50	1	08/07/25 15:08	
Ethylbenzene	ND U	0.50	1	08/07/25 15:08	
Hexachlorobutadiene	ND U	2.0	1	08/07/25 15:08	
2-Hexanone	ND U	20	1	08/07/25 15:08	
Isopropylbenzene	ND U	2.0	1	08/07/25 15:08	
4-Isopropyltoluene	ND U	2.0	1	08/07/25 15:08	

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 14:00
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-03-6S	**Units:**	ug/L
Lab Code:	K2507465-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	08/07/25 15:08	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	08/07/25 15:08	
Methylene Chloride	ND U	2.0	1	08/07/25 15:08	
Naphthalene	ND U	2.0	1	08/07/25 15:08	
n-Propylbenzene	ND U	2.0	1	08/07/25 15:08	
Styrene	ND U	0.50	1	08/07/25 15:08	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	08/07/25 15:08	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	08/07/25 15:08	
Tetrachloroethene (PCE)	ND U	0.50	1	08/07/25 15:08	
Toluene	ND U	0.50	1	08/07/25 15:08	
1,2,3-Trichlorobenzene	ND U	2.0	1	08/07/25 15:08	
1,2,4-Trichlorobenzene	ND U	2.0	1	08/07/25 15:08	
1,1,2-Trichloroethane	ND U	0.50	1	08/07/25 15:08	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	08/07/25 15:08	
Trichloroethene (TCE)	ND U	0.50	1	08/07/25 15:08	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	08/07/25 15:08	
1,2,3-Trichloropropane	ND U	0.50	1	08/07/25 15:08	
1,2,4-Trimethylbenzene	ND U	2.0	1	08/07/25 15:08	
1,3,5-Trimethylbenzene	ND U	2.0	1	08/07/25 15:08	
Vinyl Chloride	ND U	0.50	1	08/07/25 15:08	
o-Xylene	ND U	0.50	1	08/07/25 15:08	
m,p-Xylenes	ND U	0.50	1	08/07/25 15:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	76	68 - 117	08/07/25 15:08	
Dibromofluoromethane	123	73 - 122	08/07/25 15:08	*
Toluene-d8	98	65 - 144	08/07/25 15:08	

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 14:45
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-04-26I	**Units:**	ug/L
Lab Code:	K2507465-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	08/07/25 15:29	
Benzene	ND U	0.50	1	08/07/25 15:29	
Bromobenzene	ND U	2.0	1	08/07/25 15:29	
Bromochloromethane	ND U	0.50	1	08/07/25 15:29	
Bromodichloromethane	ND U	0.50	1	08/07/25 15:29	
Bromoform	ND U	0.50	1	08/07/25 15:29	
Bromomethane	ND U	0.50	1	08/07/25 15:29	*
2-Butanone (MEK)	ND U	20	1	08/07/25 15:29	
n-Butylbenzene	ND U	4.0	1	08/07/25 15:29	
sec-Butylbenzene	ND U	2.0	1	08/07/25 15:29	
tert-Butylbenzene	ND U	2.0	1	08/07/25 15:29	
Carbon Disulfide	ND U	0.50	1	08/07/25 15:29	
Carbon Tetrachloride	ND U	0.50	1	08/07/25 15:29	
Chlorobenzene	ND U	0.50	1	08/07/25 15:29	
Chloroethane	ND U	0.50	1	08/07/25 15:29	
Chloroform	ND U	0.50	1	08/07/25 15:29	
Chloromethane	ND U	0.50	1	08/07/25 15:29	*
2-Chlorotoluene	ND U	2.0	1	08/07/25 15:29	
4-Chlorotoluene	ND U	2.0	1	08/07/25 15:29	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	08/07/25 15:29	
Dibromochloromethane	ND U	0.50	1	08/07/25 15:29	
1,2-Dibromoethane (EDB)	ND U	2.0	1	08/07/25 15:29	
Dibromomethane	ND U	0.50	1	08/07/25 15:29	
1,2-Dichlorobenzene	ND U	0.50	1	08/07/25 15:29	
1,3-Dichlorobenzene	ND U	0.50	1	08/07/25 15:29	
1,4-Dichlorobenzene	ND U	0.50	1	08/07/25 15:29	
Dichlorodifluoromethane	ND U	0.50	1	08/07/25 15:29	*
1,1-Dichloroethane	ND U	0.50	1	08/07/25 15:29	
cis-1,2-Dichloroethene	ND U	0.50	1	08/07/25 15:29	
trans-1,2-Dichloroethene	ND U	0.50	1	08/07/25 15:29	
1,2-Dichloropropane	ND U	0.50	1	08/07/25 15:29	
1,3-Dichloropropane	ND U	0.50	1	08/07/25 15:29	
2,2-Dichloropropane	ND U	0.50	1	08/07/25 15:29	
1,1-Dichloropropene	ND U	0.50	1	08/07/25 15:29	
cis-1,3-Dichloropropene	ND U	0.50	1	08/07/25 15:29	
trans-1,3-Dichloropropene	ND U	0.50	1	08/07/25 15:29	
Ethylbenzene	ND U	0.50	1	08/07/25 15:29	
Hexachlorobutadiene	ND U	2.0	1	08/07/25 15:29	
2-Hexanone	ND U	20	1	08/07/25 15:29	
Isopropylbenzene	ND U	2.0	1	08/07/25 15:29	
4-Isopropyltoluene	ND U	2.0	1	08/07/25 15:29	

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 14:45
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-04-26I	**Units:**	ug/L
Lab Code:	K2507465-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	08/07/25 15:29	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	08/07/25 15:29	
Methylene Chloride	ND U	2.0	1	08/07/25 15:29	
Naphthalene	ND U	2.0	1	08/07/25 15:29	
n-Propylbenzene	ND U	2.0	1	08/07/25 15:29	
Styrene	ND U	0.50	1	08/07/25 15:29	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	08/07/25 15:29	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	08/07/25 15:29	
Tetrachloroethene (PCE)	ND U	0.50	1	08/07/25 15:29	
Toluene	ND U	0.50	1	08/07/25 15:29	
1,2,3-Trichlorobenzene	ND U	2.0	1	08/07/25 15:29	
1,2,4-Trichlorobenzene	ND U	2.0	1	08/07/25 15:29	
1,1,2-Trichloroethane	ND U	0.50	1	08/07/25 15:29	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	08/07/25 15:29	
Trichloroethene (TCE)	ND U	0.50	1	08/07/25 15:29	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	08/07/25 15:29	
1,2,3-Trichloropropane	ND U	0.50	1	08/07/25 15:29	
1,2,4-Trimethylbenzene	ND U	2.0	1	08/07/25 15:29	
1,3,5-Trimethylbenzene	ND U	2.0	1	08/07/25 15:29	
Vinyl Chloride	ND U	0.50	1	08/07/25 15:29	
o-Xylene	ND U	0.50	1	08/07/25 15:29	
m,p-Xylenes	ND U	0.50	1	08/07/25 15:29	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	79	68 - 117	08/07/25 15:29	
Dibromofluoromethane	120	73 - 122	08/07/25 15:29	
Toluene-d8	94	65 - 144	08/07/25 15:29	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 15:40
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-05-13I	**Units:**	ug/L
Lab Code:	K2507465-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	08/07/25 15:50	
Benzene	ND U	0.50	1	08/07/25 15:50	
Bromobenzene	ND U	2.0	1	08/07/25 15:50	
Bromochloromethane	ND U	0.50	1	08/07/25 15:50	
Bromodichloromethane	ND U	0.50	1	08/07/25 15:50	
Bromoform	ND U	0.50	1	08/07/25 15:50	
Bromomethane	ND U	0.50	1	08/07/25 15:50	*
2-Butanone (MEK)	ND U	20	1	08/07/25 15:50	
n-Butylbenzene	ND U	4.0	1	08/07/25 15:50	
sec-Butylbenzene	ND U	2.0	1	08/07/25 15:50	
tert-Butylbenzene	ND U	2.0	1	08/07/25 15:50	
Carbon Disulfide	ND U	0.50	1	08/07/25 15:50	
Carbon Tetrachloride	ND U	0.50	1	08/07/25 15:50	
Chlorobenzene	ND U	0.50	1	08/07/25 15:50	
Chloroethane	ND U	0.50	1	08/07/25 15:50	
Chloroform	ND U	0.50	1	08/07/25 15:50	
Chloromethane	ND U	0.50	1	08/07/25 15:50	*
2-Chlorotoluene	ND U	2.0	1	08/07/25 15:50	
4-Chlorotoluene	ND U	2.0	1	08/07/25 15:50	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	08/07/25 15:50	
Dibromochloromethane	ND U	0.50	1	08/07/25 15:50	
1,2-Dibromoethane (EDB)	ND U	2.0	1	08/07/25 15:50	
Dibromomethane	ND U	0.50	1	08/07/25 15:50	
1,2-Dichlorobenzene	ND U	0.50	1	08/07/25 15:50	
1,3-Dichlorobenzene	ND U	0.50	1	08/07/25 15:50	
1,4-Dichlorobenzene	ND U	0.50	1	08/07/25 15:50	
Dichlorodifluoromethane	ND U	0.50	1	08/07/25 15:50	*
1,1-Dichloroethane	ND U	0.50	1	08/07/25 15:50	
cis-1,2-Dichloroethene	ND U	0.50	1	08/07/25 15:50	
trans-1,2-Dichloroethene	ND U	0.50	1	08/07/25 15:50	
1,2-Dichloropropane	ND U	0.50	1	08/07/25 15:50	
1,3-Dichloropropane	ND U	0.50	1	08/07/25 15:50	
2,2-Dichloropropane	ND U	0.50	1	08/07/25 15:50	
1,1-Dichloropropene	ND U	0.50	1	08/07/25 15:50	
cis-1,3-Dichloropropene	ND U	0.50	1	08/07/25 15:50	
trans-1,3-Dichloropropene	ND U	0.50	1	08/07/25 15:50	
Ethylbenzene	ND U	0.50	1	08/07/25 15:50	
Hexachlorobutadiene	ND U	2.0	1	08/07/25 15:50	
2-Hexanone	ND U	20	1	08/07/25 15:50	
Isopropylbenzene	ND U	2.0	1	08/07/25 15:50	
4-Isopropyltoluene	ND U	2.0	1	08/07/25 15:50	

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 15:40
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-05-13I	**Units:**	ug/L
Lab Code:	K2507465-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	08/07/25 15:50	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	08/07/25 15:50	
Methylene Chloride	ND U	2.0	1	08/07/25 15:50	
Naphthalene	ND U	2.0	1	08/07/25 15:50	
n-Propylbenzene	ND U	2.0	1	08/07/25 15:50	
Styrene	ND U	0.50	1	08/07/25 15:50	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	08/07/25 15:50	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	08/07/25 15:50	
Tetrachloroethene (PCE)	ND U	0.50	1	08/07/25 15:50	
Toluene	ND U	0.50	1	08/07/25 15:50	
1,2,3-Trichlorobenzene	ND U	2.0	1	08/07/25 15:50	
1,2,4-Trichlorobenzene	ND U	2.0	1	08/07/25 15:50	
1,1,2-Trichloroethane	ND U	0.50	1	08/07/25 15:50	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	08/07/25 15:50	
Trichloroethene (TCE)	ND U	0.50	1	08/07/25 15:50	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	08/07/25 15:50	
1,2,3-Trichloropropane	ND U	0.50	1	08/07/25 15:50	
1,2,4-Trimethylbenzene	ND U	2.0	1	08/07/25 15:50	
1,3,5-Trimethylbenzene	ND U	2.0	1	08/07/25 15:50	
Vinyl Chloride	ND U	0.50	1	08/07/25 15:50	
o-Xylene	ND U	0.50	1	08/07/25 15:50	
m,p-Xylenes	ND U	0.50	1	08/07/25 15:50	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	79	68 - 117	08/07/25 15:50	
Dibromofluoromethane	116	73 - 122	08/07/25 15:50	
Toluene-d8	99	65 - 144	08/07/25 15:50	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 07:00
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	TB1	**Units:**	ug/L
Lab Code:	K2507465-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	08/07/25 12:20	
Benzene	ND U	0.50	1	08/07/25 12:20	
Bromobenzene	ND U	2.0	1	08/07/25 12:20	
Bromochloromethane	ND U	0.50	1	08/07/25 12:20	
Bromodichloromethane	ND U	0.50	1	08/07/25 12:20	
Bromoform	ND U	0.50	1	08/07/25 12:20	
Bromomethane	ND U	0.50	1	08/07/25 12:20	*
2-Butanone (MEK)	ND U	20	1	08/07/25 12:20	
n-Butylbenzene	ND U	4.0	1	08/07/25 12:20	
sec-Butylbenzene	ND U	2.0	1	08/07/25 12:20	
tert-Butylbenzene	ND U	2.0	1	08/07/25 12:20	
Carbon Disulfide	ND U	0.50	1	08/07/25 12:20	
Carbon Tetrachloride	ND U	0.50	1	08/07/25 12:20	
Chlorobenzene	ND U	0.50	1	08/07/25 12:20	
Chloroethane	ND U	0.50	1	08/07/25 12:20	
Chloroform	ND U	0.50	1	08/07/25 12:20	
Chloromethane	ND U	0.50	1	08/07/25 12:20	*
2-Chlorotoluene	ND U	2.0	1	08/07/25 12:20	
4-Chlorotoluene	ND U	2.0	1	08/07/25 12:20	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	08/07/25 12:20	
Dibromochloromethane	ND U	0.50	1	08/07/25 12:20	
1,2-Dibromoethane (EDB)	ND U	2.0	1	08/07/25 12:20	
Dibromomethane	ND U	0.50	1	08/07/25 12:20	
1,2-Dichlorobenzene	ND U	0.50	1	08/07/25 12:20	
1,3-Dichlorobenzene	ND U	0.50	1	08/07/25 12:20	
1,4-Dichlorobenzene	ND U	0.50	1	08/07/25 12:20	
Dichlorodifluoromethane	ND U	0.50	1	08/07/25 12:20	*
1,1-Dichloroethane	ND U	0.50	1	08/07/25 12:20	
cis-1,2-Dichloroethene	ND U	0.50	1	08/07/25 12:20	
trans-1,2-Dichloroethene	ND U	0.50	1	08/07/25 12:20	
1,2-Dichloropropane	ND U	0.50	1	08/07/25 12:20	
1,3-Dichloropropane	ND U	0.50	1	08/07/25 12:20	
2,2-Dichloropropane	ND U	0.50	1	08/07/25 12:20	
1,1-Dichloropropene	ND U	0.50	1	08/07/25 12:20	
cis-1,3-Dichloropropene	ND U	0.50	1	08/07/25 12:20	
trans-1,3-Dichloropropene	ND U	0.50	1	08/07/25 12:20	
Ethylbenzene	ND U	0.50	1	08/07/25 12:20	
Hexachlorobutadiene	ND U	2.0	1	08/07/25 12:20	
2-Hexanone	ND U	20	1	08/07/25 12:20	
Isopropylbenzene	ND U	2.0	1	08/07/25 12:20	
4-Isopropyltoluene	ND U	2.0	1	08/07/25 12:20	

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 07:00
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	TB1	**Units:**	ug/L
Lab Code:	K2507465-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	08/07/25 12:20	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	08/07/25 12:20	
Methylene Chloride	ND U	2.0	1	08/07/25 12:20	
Naphthalene	ND U	2.0	1	08/07/25 12:20	
n-Propylbenzene	ND U	2.0	1	08/07/25 12:20	
Styrene	ND U	0.50	1	08/07/25 12:20	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	08/07/25 12:20	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	08/07/25 12:20	
Tetrachloroethene (PCE)	ND U	0.50	1	08/07/25 12:20	
Toluene	ND U	0.50	1	08/07/25 12:20	
1,2,3-Trichlorobenzene	ND U	2.0	1	08/07/25 12:20	
1,2,4-Trichlorobenzene	ND U	2.0	1	08/07/25 12:20	
1,1,2-Trichloroethane	ND U	0.50	1	08/07/25 12:20	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	08/07/25 12:20	
Trichloroethene (TCE)	ND U	0.50	1	08/07/25 12:20	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	08/07/25 12:20	
1,2,3-Trichloropropane	ND U	0.50	1	08/07/25 12:20	
1,2,4-Trimethylbenzene	ND U	2.0	1	08/07/25 12:20	
1,3,5-Trimethylbenzene	ND U	2.0	1	08/07/25 12:20	
Vinyl Chloride	ND U	0.50	1	08/07/25 12:20	
o-Xylene	ND U	0.50	1	08/07/25 12:20	
m,p-Xylenes	ND U	0.50	1	08/07/25 12:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	80	68 - 117	08/07/25 12:20	
Dibromofluoromethane	115	73 - 122	08/07/25 12:20	
Toluene-d8	97	65 - 144	08/07/25 12:20	

Metals

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 12:30
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-01-5S	**Basis:**	NA
Lab Code:	K2507465-001		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**11.4**	ug/L	2.0	1	08/05/25 13:41	08/01/25	
Manganese	6020B	**0.80**	ug/L	0.20	1	08/05/25 13:41	08/01/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 12:35
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-02-FB	**Basis:**	NA
Lab Code:	K2507465-002		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	08/05/25 13:35	08/01/25	
Manganese	6020B	ND U	ug/L	0.20	1	08/05/25 13:35	08/01/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 14:00
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-03-6S	**Basis:**	NA
Lab Code:	K2507465-003		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**9.5**	ug/L	2.0	1	08/05/25 14:11	08/01/25	
Manganese	6020B	**0.53**	ug/L	0.20	1	08/05/25 14:11	08/01/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 14:45
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-04-26I	**Basis:**	NA
Lab Code:	K2507465-004		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	08/05/25 14:13	08/01/25	
Manganese	6020B	**5.78**	ug/L	0.20	1	08/05/25 14:13	08/01/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 15:40
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-05-13I	**Basis:**	NA
Lab Code:	K2507465-005		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**4.1**	ug/L	2.0	1	08/05/25 14:16	08/01/25	
Manganese	6020B	**1.18**	ug/L	0.20	1	08/05/25 14:16	08/01/25	

General Chemistry

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 12:30
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-01-5S	**Basis:**	NA
Lab Code:	K2507465-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**4.28**	mg/L	0.20	2	07/29/25 18:41	
Nitrate as Nitrogen	300.0	**4.58**	mg/L	0.10	2	07/29/25 18:41	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 12:30
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-01-5S	**Basis:**	NA
Lab Code:	K2507465-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**148**	mg/L	10	1	08/02/25 17:16	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 12:35
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-02-FB	**Basis:**	NA
Lab Code:	K2507465-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.20	2	07/29/25 18:50	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.10	2	07/29/25 18:50	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 12:35
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-02-FB	**Basis:**	NA
Lab Code:	K2507465-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	08/02/25 17:16	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 14:00
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-03-6S	**Basis:**	NA
Lab Code:	K2507465-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**3.15**	mg/L	0.20	2	07/29/25 18:59	
Nitrate as Nitrogen	300.0	**1.32**	mg/L	0.10	2	07/29/25 18:59	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 14:00
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-03-6S	**Basis:**	NA
Lab Code:	K2507465-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**147**	mg/L	10	1	08/02/25 17:16	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 14:45
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-04-26I	**Basis:**	NA
Lab Code:	K2507465-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**7.64**	mg/L	0.20	2	07/29/25 19:25	
Nitrate as Nitrogen	300.0	**3.77**	mg/L	0.10	2	07/29/25 19:25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 14:45
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-04-26I	**Basis:**	NA
Lab Code:	K2507465-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**197**	mg/L	10	1	08/02/25 17:16	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 15:40
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-05-13I	**Basis:**	NA
Lab Code:	K2507465-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**7.87**	mg/L	0.20	2	07/29/25 20:00	
Nitrate as Nitrogen	300.0	**4.33**	mg/L	0.10	2	07/29/25 20:00	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25 15:40
Sample Matrix:	Ground Water	**Date Received:**	07/29/25 10:30
Sample Name:	LB-072825-05-13I	**Basis:**	NA
Lab Code:	K2507465-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**204**	mg/L	10	1	08/02/25 17:16	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: SCS Engineers **Service Request:** K2507465
Project: Leichner Landfill/04225030.13
Sample Matrix: Ground Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: None

Sample Name	Lab Code	4-Bromofluorobenzene 68 - 117	Dibromofluoromethane 73 - 122	Toluene-d8 65 - 144
LB-072825-01-5S	K2507465-001	83	118	92
LB-072825-02-FB	K2507465-002	82	123 *	95
LB-072825-03-6S	K2507465-003	76	123 *	98
LB-072825-04-26I	K2507465-004	79	120	94
LB-072825-05-13I	K2507465-005	79	116	99
TB1	K2507465-006	80	115	97
Lab Control Sample	KQ2513917-03	96	99	104
Duplicate Lab Control Sample	KQ2513917-04	94	103	101
Method Blank	KQ2513917-05	77	117	98

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2513917-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	08/07/25 11:59	
Benzene	ND U	0.50	1	08/07/25 11:59	
Bromobenzene	ND U	2.0	1	08/07/25 11:59	
Bromochloromethane	ND U	0.50	1	08/07/25 11:59	
Bromodichloromethane	ND U	0.50	1	08/07/25 11:59	
Bromoform	ND U	0.50	1	08/07/25 11:59	
Bromomethane	ND U	0.50	1	08/07/25 11:59	
2-Butanone (MEK)	ND U	20	1	08/07/25 11:59	
n-Butylbenzene	ND U	4.0	1	08/07/25 11:59	
sec-Butylbenzene	ND U	2.0	1	08/07/25 11:59	
tert-Butylbenzene	ND U	2.0	1	08/07/25 11:59	
Carbon Disulfide	ND U	0.50	1	08/07/25 11:59	
Carbon Tetrachloride	ND U	0.50	1	08/07/25 11:59	
Chlorobenzene	ND U	0.50	1	08/07/25 11:59	
Chloroethane	ND U	0.50	1	08/07/25 11:59	
Chloroform	ND U	0.50	1	08/07/25 11:59	
Chloromethane	ND U	0.50	1	08/07/25 11:59	
2-Chlorotoluene	ND U	2.0	1	08/07/25 11:59	
4-Chlorotoluene	ND U	2.0	1	08/07/25 11:59	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	08/07/25 11:59	
Dibromochloromethane	ND U	0.50	1	08/07/25 11:59	
1,2-Dibromoethane (EDB)	ND U	2.0	1	08/07/25 11:59	
Dibromomethane	ND U	0.50	1	08/07/25 11:59	
1,2-Dichlorobenzene	ND U	0.50	1	08/07/25 11:59	
1,3-Dichlorobenzene	ND U	0.50	1	08/07/25 11:59	
1,4-Dichlorobenzene	ND U	0.50	1	08/07/25 11:59	
Dichlorodifluoromethane	ND U	0.50	1	08/07/25 11:59	
1,1-Dichloroethane	ND U	0.50	1	08/07/25 11:59	
cis-1,2-Dichloroethene	ND U	0.50	1	08/07/25 11:59	
trans-1,2-Dichloroethene	ND U	0.50	1	08/07/25 11:59	
1,2-Dichloropropane	ND U	0.50	1	08/07/25 11:59	
1,3-Dichloropropane	ND U	0.50	1	08/07/25 11:59	
2,2-Dichloropropane	ND U	0.50	1	08/07/25 11:59	
1,1-Dichloropropene	ND U	0.50	1	08/07/25 11:59	
cis-1,3-Dichloropropene	ND U	0.50	1	08/07/25 11:59	
trans-1,3-Dichloropropene	ND U	0.50	1	08/07/25 11:59	
Ethylbenzene	ND U	0.50	1	08/07/25 11:59	
Hexachlorobutadiene	ND U	2.0	1	08/07/25 11:59	
2-Hexanone	ND U	20	1	08/07/25 11:59	
Isopropylbenzene	ND U	2.0	1	08/07/25 11:59	
4-Isopropyltoluene	ND U	2.0	1	08/07/25 11:59	

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2513917-05	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	08/07/25 11:59	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	08/07/25 11:59	
Methylene Chloride	ND U	2.0	1	08/07/25 11:59	
Naphthalene	ND U	2.0	1	08/07/25 11:59	
n-Propylbenzene	ND U	2.0	1	08/07/25 11:59	
Styrene	ND U	0.50	1	08/07/25 11:59	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	08/07/25 11:59	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	08/07/25 11:59	
Tetrachloroethene (PCE)	ND U	0.50	1	08/07/25 11:59	
Toluene	ND U	0.50	1	08/07/25 11:59	
1,2,3-Trichlorobenzene	ND U	2.0	1	08/07/25 11:59	
1,2,4-Trichlorobenzene	ND U	2.0	1	08/07/25 11:59	
1,1,2-Trichloroethane	ND U	0.50	1	08/07/25 11:59	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	08/07/25 11:59	
Trichloroethene (TCE)	ND U	0.50	1	08/07/25 11:59	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	08/07/25 11:59	
1,2,3-Trichloropropane	ND U	0.50	1	08/07/25 11:59	
1,2,4-Trimethylbenzene	ND U	2.0	1	08/07/25 11:59	
1,3,5-Trimethylbenzene	ND U	2.0	1	08/07/25 11:59	
Vinyl Chloride	ND U	0.50	1	08/07/25 11:59	
o-Xylene	ND U	0.50	1	08/07/25 11:59	
m,p-Xylenes	ND U	0.50	1	08/07/25 11:59	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	77	68 - 117	08/07/25 11:59	
Dibromofluoromethane	117	73 - 122	08/07/25 11:59	
Toluene-d8	98	65 - 144	08/07/25 11:59	

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Analyzed:**	08/07/25
Sample Matrix:	Ground Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	888747

	Lab Control Sample KQ2513917-03			Duplicate Lab Control Sample KQ2513917-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	10.5	10.0	105	11.2	10.0	112	66-124	7	30
1,1,1-Trichloroethane (TCA)	10.0	10.0	100	10.6	10.0	106	59-136	5	30
1,1,2,2-Tetrachloroethane	8.38	10.0	84	8.40	10.0	84	70-127	<1	30
1,1,2-Trichloroethane	10.3	10.0	103	10.5	10.0	105	74-118	2	30
1,1-Dichloroethane	9.98	10.0	100	9.83	10.0	98	68-132	2	30
1,1-Dichloropropene	10.2	10.0	102	10.1	10.0	101	59-134	<1	30
1,2,3-Trichlorobenzene	9.02	10.0	90	9.27	10.0	93	68-120	3	30
1,2,3-Trichloropropane	9.43	10.0	94	9.49	10.0	95	69-123	<1	30
1,2,4-Trichlorobenzene	8.74	10.0	87	9.05	10.0	91	58-126	3	30
1,2,4-Trimethylbenzene	9.04	10.0	90	9.44	10.0	94	63-122	4	30
1,2-Dibromo-3-chloropropane	9.14	10.0	91	9.69	10.0	97	55-132	6	30
1,2-Dibromoethane (EDB)	10.2	10.0	102	10.5	10.0	105	74-118	3	30
1,2-Dichlorobenzene	9.30	10.0	93	9.36	10.0	94	72-115	<1	30
1,2-Dichloropropane	9.22	10.0	92	9.43	10.0	94	67-126	2	30
1,3,5-Trimethylbenzene	8.81	10.0	88	9.17	10.0	92	62-126	4	30
1,3-Dichlorobenzene	9.44	10.0	94	9.62	10.0	96	70-116	2	30
1,3-Dichloropropane	9.80	10.0	98	10.1	10.0	101	75-116	3	30
1,4-Dichlorobenzene	9.48	10.0	95	9.39	10.0	94	73-115	<1	30
2,2-Dichloropropane	9.98	10.0	100	9.92	10.0	99	37-145	<1	30
2-Butanone (MEK)	52.4	50.0	105	53.4	50.0	107	71-149	2	30
2-Chlorotoluene	8.89	10.0	89	9.04	10.0	90	55-131	2	30
2-Hexanone	46.9	50.0	94	53.1	50.0	106	59-131	12	30
4-Chlorotoluene	8.98	10.0	90	9.08	10.0	91	66-121	1	30
4-Isopropyltoluene	9.47	10.0	95	9.88	10.0	99	61-128	4	30
4-Methyl-2-pentanone (MIBK)	45.9	50.0	92	48.2	50.0	96	64-134	5	30
Acetone	50.6	50.0	101	49.4	50.0	99	68-135	2	30
Benzene	9.60	10.0	96	10.3	10.0	103	69-124	7	30
Bromobenzene	9.02	10.0	90	9.05	10.0	91	72-116	<1	30
Bromochloromethane	10.5	10.0	105	11.1	10.0	111	75-131	6	30
Bromodichloromethane	9.39	10.0	94	9.55	10.0	96	63-129	2	30
Bromoform	11.5	10.0	115	11.2	10.0	112	52-144	3	30
Bromomethane	10.7	10.0	107	11.4	10.0	114 *	35-113	6	30
Carbon Disulfide	19.0	20.0	95	19.9	20.0	99	46-144	4	30
Carbon Tetrachloride	10.9	10.0	109	11.1	10.0	111	55-140	2	30
Chlorobenzene	10.4	10.0	104	10.8	10.0	108	72-116	4	30
Chloroethane	9.41	10.0	94	10.0	10.0	100	58-134	6	30
Chloroform	9.40	10.0	94	9.62	10.0	96	70-129	2	30
Chloromethane	9.00	10.0	90	9.05	10.0	91	34-130	<1	30
cis-1,2-Dichloroethene	10.1	10.0	101	10.3	10.0	103	71-118	2	30
cis-1,3-Dichloropropene	9.80	10.0	98	9.61	10.0	96	62-132	2	30
Dibromochloromethane	10.1	10.0	101	10.3	10.0	103	67-126	2	30

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Analyzed:**	08/07/25
Sample Matrix:	Ground Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	888747

	Lab Control Sample KQ2513917-03			Duplicate Lab Control Sample KQ2513917-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Dibromomethane	9.99	10.0	100	9.62	10.0	96	69-128	4	30
Dichlorodifluoromethane	9.95	10.0	100	10.3	10.0	103	32-124	3	30
Ethylbenzene	10.5	10.0	105	10.7	10.0	107	67-121	2	30
Hexachlorobutadiene	8.89	10.0	89	9.23	10.0	92	57-119	4	30
Isopropylbenzene	9.11	10.0	91	9.39	10.0	94	67-129	3	30
m,p-Xylenes	21.3	20.0	106	22.1	20.0	110	69-121	4	30
Methyl tert-Butyl Ether	10.2	10.0	102	10.6	10.0	106	54-126	4	30
Methylene Chloride	10.7	10.0	107	10.5	10.0	105	71-122	1	30
Naphthalene	8.03	10.0	80	8.12	10.0	81	64-126	1	30
n-Butylbenzene	8.38	10.0	84	8.74	10.0	87	55-130	4	30
n-Propylbenzene	8.50	10.0	85	8.89	10.0	89	61-124	4	30
o-Xylene	10.5	10.0	105	10.8	10.0	108	71-119	3	30
sec-Butylbenzene	8.81	10.0	88	9.32	10.0	93	59-128	6	30
Styrene	10.2	10.0	102	9.90	10.0	99	74-121	3	30
tert-Butylbenzene	8.81	10.0	88	8.95	10.0	90	61-127	2	30
Tetrachloroethene (PCE)	11.0	10.0	110	11.8	10.0	118	62-126	7	30
Toluene	9.86	10.0	99	10.2	10.0	102	69-124	3	30
trans-1,2-Dichloroethene	10.6	10.0	106	10.8	10.0	108	67-125	1	30
trans-1,3-Dichloropropene	9.81	10.0	98	10.4	10.0	104	59-125	6	30
Trichloroethene (TCE)	10.1	10.0	101	10.4	10.0	104	67-128	2	30
Trichlorofluoromethane (CFC 11)	11.9	10.0	119	12.1	10.0	121	52-141	1	30
Vinyl Chloride	9.94	10.0	99	10.7	10.0	107	55-123	7	30

Metals

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	KQ2513562-01		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	08/05/25 13:32	08/01/25	
Manganese	6020B	ND U	ug/L	0.20	1	08/05/25 13:32	08/01/25	

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25
Sample Matrix:	Ground Water	**Date Received:**	07/29/25
		Date Analyzed:	08/5/25
		Date Extracted:	08/1/25

Matrix Spike Summary
Dissolved Metals

Sample Name:	LB-072825-01-5S	**Units:**	ug/L
Lab Code:	K2507465-001	**Basis:**	NA
Analysis Method:	6020B		
Prep Method:	EPA CLP ILM04.0		

Matrix Spike
KQ2513562-04

Analyte Name	Sample Result	Result	Spike Amount	% Rec	% Rec Limits
Iron	11.4	64.0	50.0	105	75-125
Manganese	0.80	26.4	25.0	102	75-125

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25
Sample Matrix:	Ground Water	**Date Received:**	07/29/25
		Date Analyzed:	08/05/25

Replicate Sample Summary
Dissolved Metals

Sample Name:	LB-072825-01-5S	**Units:**	ug/L
Lab Code:	K2507465-001	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample KQ2513562-03 Result	Average	RPD	RPD Limit
Iron	6020B	2.0	11.4	10.8	11.1	5	20
Manganese	6020B	0.20	0.80	0.77	0.79	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: SCS Engineers
Project: Leichner Landfill/04225030.13
Sample Matrix: Ground Water

Service Request: K2507465
Date Analyzed: 08/05/25

Lab Control Sample Summary
Dissolved Metals

Units:ug/L
Basis:NA

Lab Control Sample
KQ2513562-02

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Iron	6020B	51.2	50.0	102	80-120
Manganese	6020B	24.7	25.0	99	80-120

General Chemistry

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2507465-MB1		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	07/29/25 17:23	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.050	1	07/29/25 17:23	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2507465-MB1		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	08/02/25 17:16	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2507465-MB2		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	08/02/25 17:16	

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QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill/04225030.13
Sample Matrix: Ground Water

Service Request:K2507465
Date Collected:07/28/25
Date Received:07/29/25
Date Analyzed:7/29/25

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: LB-072825-04-26I
Lab Code: K2507465-004

Units:mg/L
Basis:NA

			Matrix Spike K2507465-004MS			Duplicate Matrix Spike K2507465-004DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Chloride	300.0	7.64	22.8	16.0	95	22.7	16.0	94	90-110	<1	20
Nitrate as Nitrogen	300.0	3.77	11.7	8.00	99	11.7	8.00	99	90-110	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2507465
Project	Leichner Landfill/04225030.13	**Date Collected:**	07/28/25
Sample Matrix:	Ground Water	**Date Received:**	07/29/25
		Date Analyzed:	07/29/25

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	LB-072825-04-26I	**Units:**	mg/L
Lab Code:	K2507465-004	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K2507465-004DUP Result	Average	RPD	RPD Limit
Chloride	300.0	0.20	7.64	7.19	7.42	6	20
Nitrate as Nitrogen	300.0	0.10	3.77	3.73	3.75	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill/04225030.13
Sample Matrix: Ground Water

Service Request: K2507465
Date Analyzed: 07/29/25 - 08/02/25

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
K2507465-LCS

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	4.85	5.00	97	90-110
Nitrate as Nitrogen	300.0	2.49	2.50	100	90-110
Solids, Total Dissolved	SM 2540 C	770	789	98	85-115

August 12, 2025 Service Request No:K2507505

Barbara Lary
SCS Engineers
15940 SW 72nd Ave
Portland, OR 97224

Laboratory Results for: Leichner Landfill

Dear Barbara,

Enclosed are the results of the sample(s) submitted to our laboratory July 30, 2025
For your reference, these analyses have been assigned our service request number **K2507505.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3376. You may also contact me via email at Mark.Harris@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Mark Harris
Project Manager

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PHONE +1 360 577 7222 | FAX +1 360 636 1068
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Kelso Laboratory
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Client: SCS Engineers
Project: Leichner Landfill
Sample Matrix: Ground Water

Service Request: K2507505
Date Received: 07/30/2025

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Six ground water samples were received for analysis at ALS Environmental on 07/30/2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Metals:

No significant anomalies were noted with this analysis.

General Chemistry:

No significant anomalies were noted with this analysis.

Volatiles by GC/MS:

Method 8260C, 08/08/2025:The following analytes were flagged as outside the control criterion for Continuing Calibration Verification (CCV) KQ2514070-02: Chloromethane and Dichlorodifluoromethane. In accordance with the EPA Method, 80% or more of the CCV analytes must have passed within 20% of the true value. The remaining analytes are allowed a 40% difference as per the ALS SOP. The CCV met these criteria. No further corrective action was required.

Method 8260C, 08/08/2025:The upper control criterion was exceeded for Dibromofluoromethane surrogate in sample LB-072925-03-10SR. No target analytes were detected in the sample. The error associated with an elevated recovery equated to a high bias. The quality of the sample data was not significantly affected. No further corrective action was appropriate.

Method 8260C, 08/08/2025:The upper control criterion was exceeded for Bromomethane in Duplicate Lab Control Samples (LCS/DLCS) KQ2514070-03 and KQ2514070-04. The analyte in question was not detected in the associated field samples. The error associated with elevated recovery indicated a high bias. The sample data was not significantly affected. No further corrective action was appropriate.

Approved by _____ Date 08/12/2025

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: LB-072925-01-17S			Lab ID: K2507505-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride Manganese,	7.56			0.20	mg/L	300.0
Dissolved Nitrate as	0.26			0.20	ug/L	6020B
Nitrogen Solids, Total	7.71			0.10	mg/L	300.0
Dissolved	242			10	mg/L	SM 2540 C

CLIENT ID: LB-072925-02-1S			Lab ID: K2507505-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	7.46			0.20	mg/L	300.0
Nitrate as Nitrogen	5.74			0.10	mg/L	300.0
Solids, Total Dissolved	207			10	mg/L	SM 2540 C

CLIENT ID: LB-072925-03-10SR			Lab ID: K2507505-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride	19.2			0.50	mg/L	300.0
Iron, Dissolved	2.6			2.0	ug/L	6020B
Manganese, Dissolved	0.43			0.20	ug/L	6020B
Nitrate as Nitrogen	1.47			0.10	mg/L	300.0
Solids, Total Dissolved	242			10	mg/L	SM 2540 C

CLIENT ID: LB-072925-04-27I			Lab ID: K2507505-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride Manganese,	20.3			0.50	mg/L	300.0
Dissolved Nitrate as	198			0.20	ug/L	6020B
Nitrogen Solids, Total	0.21			0.10	mg/L	300.0
Dissolved	320			10	mg/L	SM 2540 C

CLIENT ID: LB-072925-05-DUP			Lab ID: K2507505-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Chloride Manganese,	20.1			0.50	mg/L	300.0
Dissolved Nitrate as	199			0.20	ug/L	6020B
Nitrogen Solids, Total	0.21			0.10	mg/L	300.0
Dissolved	317			10	mg/L	SM 2540 C

Sample Receipt Information

ALS Environmental—Kelso Laboratory
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www.alsglobal.com

Client: SCS Engineers **Service Request:**K2507505

Project: Leichner Landfill/04225030.13

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
K2507505-001	LB-072925-01-17S	7/29/2025	0900
K2507505-002	LB-072925-02-1S	7/29/2025	1010
K2507505-003	LB-072925-03-10SR	7/29/2025	1100
K2507505-004	LB-072925-04-27I	7/29/2025	1200
K2507505-005	LB-072925-05-DUP	7/29/2025	1205
K2507505-006	TB2	7/29/2025	0700

ALS Environmental
1317 South 13th Ave
Kelso, WA 98626
(Tel) 360.577.7222
(Fax) 360.636.1068

Chain of Custody Form

Page 1 of 1

K2507505

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Leichner Landfill	A	Volatile Organics (Method 8260)
Work Order		Project Number	04225030.13	B	Chloride
Company Name	SCS Engineers	Bill To Company	SCS Engineers	C	TDS
Send Report To	Barb Lary	Invoice Attn.	Heather Williams	D	Nitrate (Short Hold)
Address	15940 SW 72nd Ave	Address	15940 SW 72nd Ave	E	Dissolved Metals (Fe, Mn)
				F	
City/State/Zip	Portland OR 97224	City/State/Zip	Portland OR 97224	G	
Phone	(971) 284-1297	Phone	(503) 639-1103	H	
Fax		Fax		I	
e-Mail Address	BLary@scsengineers.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	Notes	Hold
1	LB-072925-01-17S	7/29/2025	0900	W	1, 2,8	5	X	X	X	X	X		Metals are Field Filtered	
2	LB-072925-02-1S	7/29/2025	1010	W	1, 2,8	5	X	X	X	X	X			
3	LB-072925-03-10SR	7/29/2025	1100	W	1, 2,8	5	X	X	X	X	X			
4	LB-072925-04-27I	7/29/2025	1200	W	1, 2,8	5	X	X	X	X	X			
5	LB-072925-05-DUP	7/29/2025	1205	W	1, 2,8	5	X	X	X	X	X			
6	TB2	7/29/2025	0700	W	1,8	2	X							
7														
8														
9														
10														

Sampler(s): Please Print & Sign: J. Mack

Shipment Method: Courier

Required Turnaround Time: (Check Box) ☐ 10 Wk Days ☐ 5 Wk Days ☐ 3 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☑ Other STD

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
	7/30/25	1140		7/30/25	1140	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:	
	7/30/25	1800	M. Mulligan	7/30/25	1800	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			

ALS Cooler ID	Cooler Temp	QC Package: (Check Box Below)	
		☐ Level II: Standard QC	☐ Level III: Raw Data
		☐ TRRP LRC	☐ TRRP Level IV
		☐ Level IV: SW846 Methods/CLP like	
		☐ Other:	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

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Cooler Receipt and Preservation Form

PM MH

Client SCG Engineers Service Request K25 07505

Received: 7/30/25 Opened: 7/30/25 By: MM Unloaded: 7/30/25 By: MM

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* (*Courier*) *Hand Delivered*
2. Samples were received in: (circle) (*Cooler*) *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA (Y) N If yes, how many and where? 1 Front
   If present, were custody seals intact? (Y) N If present, were they signed and dated? (Y) N

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / NA	Out of temp Indicate with "X"	PM Notified if out of temp	Tracking Number NA	Filed
	3.0	1202					

4. Was a Temperature Blank present in cooler? NA Y (N) If yes, notate the temperature in the appropriate column below:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA (Y) N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. (NA) Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: (*Inserts*) *Baggies* (*Bubble Wrap*) *Gel Packs* (*Wet Ice*) *Dry Ice* *Sleeves* _____
7. Were custody papers properly filled out (ink, signed, etc.)? NA (Y) N
8. Were samples received in good condition (unbroken) NA (Y) N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA (Y) N
10. Did all sample labels and tags agree with custody papers? NA (Y) N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA (Y) N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA (Y) N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA (Y) N
14. Was C12/Res negative? (NA) Y N
15. Were samples received within method specified time limit? If not, notate the error below and notify the PM. (NA) Y N
16. Were 100mL sterile microbiology bottles filled exactly to the 100mL mark? (NA) Y N Underfilled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, Resolutions: _____

SHORT HOLD

Miscellaneous Forms

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Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value over the calibration range.
J	The result is an estimated value between the MDL and the MRL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13		

Sample Name:	LB-072925-01-17S	**Date Collected:**	07/29/25
Lab Code:	K2507505-001	**Date Received:**	07/30/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		EWANOUS
SM 2540 C		AWILSON

Sample Name:	LB-072925-02-1S	**Date Collected:**	07/29/25
Lab Code:	K2507505-002	**Date Received:**	07/30/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		EWANOUS
SM 2540 C		AWILSON

Sample Name:	LB-072925-03-10SR	**Date Collected:**	07/29/25
Lab Code:	K2507505-003	**Date Received:**	07/30/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		EWANOUS
SM 2540 C		AWILSON

Sample Name:	LB-072925-03-10SR	**Date Collected:**	07/29/25
Lab Code:	K2507505-003.R01	**Date Received:**	07/30/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON

Client: SCS Engineers **Service Request:** K2507505
Project: Leichner Landfill/04225030.13

Sample Name: LB-072925-04-27I **Date Collected:** 07/29/25
Lab Code: K2507505-004 **Date Received:** 07/30/25
Sample Matrix: Ground Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		EWANOUS
SM 2540 C		AWILSON

Sample Name: LB-072925-04-27I **Date Collected:** 07/29/25
Lab Code: K2507505-004.R01 **Date Received:** 07/30/25
Sample Matrix: Ground Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON

Sample Name: LB-072925-05-DUP **Date Collected:** 07/29/25
Lab Code: K2507505-005 **Date Received:** 07/30/25
Sample Matrix: Ground Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON
6020B	MCHATTICK	ABOYER
8260C		EWANOUS
SM 2540 C		AWILSON

Sample Name: LB-072925-05-DUP **Date Collected:** 07/29/25
Lab Code: K2507505-005.R01 **Date Received:** 07/30/25
Sample Matrix: Ground Water

Analysis Method	Extracted/Digested By	Analyzed By
300.0		ZHAMPTON

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13		

Sample Name:	TB2	**Date Collected:**	07/29/25
Lab Code:	K2507505-006	**Date Received:**	07/30/25
Sample Matrix:	Ground Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		EWANOUS

Sample Results

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 09:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-01-17S	**Units:**	ug/L
Lab Code:	K2507505-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	08/08/25 17:13	
Benzene	ND U	0.50	1	08/08/25 17:13	
Bromobenzene	ND U	2.0	1	08/08/25 17:13	
Bromochloromethane	ND U	0.50	1	08/08/25 17:13	
Bromodichloromethane	ND U	0.50	1	08/08/25 17:13	
Bromoform	ND U	0.50	1	08/08/25 17:13	*
Bromomethane	ND U	0.50	1	08/08/25 17:13	*
2-Butanone (MEK)	ND U	20	1	08/08/25 17:13	
n-Butylbenzene	ND U	4.0	1	08/08/25 17:13	
sec-Butylbenzene	ND U	2.0	1	08/08/25 17:13	
tert-Butylbenzene	ND U	2.0	1	08/08/25 17:13	
Carbon Disulfide	ND U	0.50	1	08/08/25 17:13	
Carbon Tetrachloride	ND U	0.50	1	08/08/25 17:13	
Chlorobenzene	ND U	0.50	1	08/08/25 17:13	
Chloroethane	ND U	0.50	1	08/08/25 17:13	
Chloroform	ND U	0.50	1	08/08/25 17:13	
Chloromethane	ND U	0.50	1	08/08/25 17:13	*
2-Chlorotoluene	ND U	2.0	1	08/08/25 17:13	
4-Chlorotoluene	ND U	2.0	1	08/08/25 17:13	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	08/08/25 17:13	
Dibromochloromethane	ND U	0.50	1	08/08/25 17:13	
1,2-Dibromoethane (EDB)	ND U	2.0	1	08/08/25 17:13	
Dibromomethane	ND U	0.50	1	08/08/25 17:13	
1,2-Dichlorobenzene	ND U	0.50	1	08/08/25 17:13	
1,3-Dichlorobenzene	ND U	0.50	1	08/08/25 17:13	
1,4-Dichlorobenzene	ND U	0.50	1	08/08/25 17:13	
Dichlorodifluoromethane	ND U	0.50	1	08/08/25 17:13	
1,1-Dichloroethane	ND U	0.50	1	08/08/25 17:13	
cis-1,2-Dichloroethene	ND U	0.50	1	08/08/25 17:13	
trans-1,2-Dichloroethene	ND U	0.50	1	08/08/25 17:13	
1,2-Dichloropropane	ND U	0.50	1	08/08/25 17:13	
1,3-Dichloropropane	ND U	0.50	1	08/08/25 17:13	
2,2-Dichloropropane	ND U	0.50	1	08/08/25 17:13	
1,1-Dichloropropene	ND U	0.50	1	08/08/25 17:13	
cis-1,3-Dichloropropene	ND U	0.50	1	08/08/25 17:13	
trans-1,3-Dichloropropene	ND U	0.50	1	08/08/25 17:13	
Ethylbenzene	ND U	0.50	1	08/08/25 17:13	
Hexachlorobutadiene	ND U	2.0	1	08/08/25 17:13	
2-Hexanone	ND U	20	1	08/08/25 17:13	
Isopropylbenzene	ND U	2.0	1	08/08/25 17:13	
4-Isopropyltoluene	ND U	2.0	1	08/08/25 17:13	

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 09:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-01-17S	**Units:**	ug/L
Lab Code:	K2507505-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	08/08/25 17:13	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	08/08/25 17:13	
Methylene Chloride	ND U	2.0	1	08/08/25 17:13	
Naphthalene	ND U	2.0	1	08/08/25 17:13	
n-Propylbenzene	ND U	2.0	1	08/08/25 17:13	
Styrene	ND U	0.50	1	08/08/25 17:13	*
1,1,1,2-Tetrachloroethane	ND U	0.50	1	08/08/25 17:13	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	08/08/25 17:13	
Tetrachloroethene (PCE)	ND U	0.50	1	08/08/25 17:13	
Toluene	ND U	0.50	1	08/08/25 17:13	
1,2,3-Trichlorobenzene	ND U	2.0	1	08/08/25 17:13	
1,2,4-Trichlorobenzene	ND U	2.0	1	08/08/25 17:13	
1,1,2-Trichloroethane	ND U	0.50	1	08/08/25 17:13	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	08/08/25 17:13	
Trichloroethene (TCE)	ND U	0.50	1	08/08/25 17:13	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	08/08/25 17:13	
1,2,3-Trichloropropane	ND U	0.50	1	08/08/25 17:13	
1,2,4-Trimethylbenzene	ND U	2.0	1	08/08/25 17:13	
1,3,5-Trimethylbenzene	ND U	2.0	1	08/08/25 17:13	
Vinyl Chloride	ND U	0.50	1	08/08/25 17:13	
o-Xylene	ND U	0.50	1	08/08/25 17:13	
m,p-Xylenes	ND U	0.50	1	08/08/25 17:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	78	68 - 117	08/08/25 17:13	
Dibromofluoromethane	113	73 - 122	08/08/25 17:13	
Toluene-d8	99	65 - 144	08/08/25 17:13	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 10:10
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-02-1S	**Units:**	ug/L
Lab Code:	K2507505-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	08/08/25 17:34	
Benzene	ND U	0.50	1	08/08/25 17:34	
Bromobenzene	ND U	2.0	1	08/08/25 17:34	
Bromochloromethane	ND U	0.50	1	08/08/25 17:34	
Bromodichloromethane	ND U	0.50	1	08/08/25 17:34	
Bromoform	ND U	0.50	1	08/08/25 17:34	*
Bromomethane	ND U	0.50	1	08/08/25 17:34	*
2-Butanone (MEK)	ND U	20	1	08/08/25 17:34	
n-Butylbenzene	ND U	4.0	1	08/08/25 17:34	
sec-Butylbenzene	ND U	2.0	1	08/08/25 17:34	
tert-Butylbenzene	ND U	2.0	1	08/08/25 17:34	
Carbon Disulfide	ND U	0.50	1	08/08/25 17:34	
Carbon Tetrachloride	ND U	0.50	1	08/08/25 17:34	
Chlorobenzene	ND U	0.50	1	08/08/25 17:34	
Chloroethane	ND U	0.50	1	08/08/25 17:34	
Chloroform	ND U	0.50	1	08/08/25 17:34	
Chloromethane	ND U	0.50	1	08/08/25 17:34	*
2-Chlorotoluene	ND U	2.0	1	08/08/25 17:34	
4-Chlorotoluene	ND U	2.0	1	08/08/25 17:34	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	08/08/25 17:34	
Dibromochloromethane	ND U	0.50	1	08/08/25 17:34	
1,2-Dibromoethane (EDB)	ND U	2.0	1	08/08/25 17:34	
Dibromomethane	ND U	0.50	1	08/08/25 17:34	
1,2-Dichlorobenzene	ND U	0.50	1	08/08/25 17:34	
1,3-Dichlorobenzene	ND U	0.50	1	08/08/25 17:34	
1,4-Dichlorobenzene	ND U	0.50	1	08/08/25 17:34	
Dichlorodifluoromethane	ND U	0.50	1	08/08/25 17:34	
1,1-Dichloroethane	ND U	0.50	1	08/08/25 17:34	
cis-1,2-Dichloroethene	ND U	0.50	1	08/08/25 17:34	
trans-1,2-Dichloroethene	ND U	0.50	1	08/08/25 17:34	
1,2-Dichloropropane	ND U	0.50	1	08/08/25 17:34	
1,3-Dichloropropane	ND U	0.50	1	08/08/25 17:34	
2,2-Dichloropropane	ND U	0.50	1	08/08/25 17:34	
1,1-Dichloropropene	ND U	0.50	1	08/08/25 17:34	
cis-1,3-Dichloropropene	ND U	0.50	1	08/08/25 17:34	
trans-1,3-Dichloropropene	ND U	0.50	1	08/08/25 17:34	
Ethylbenzene	ND U	0.50	1	08/08/25 17:34	
Hexachlorobutadiene	ND U	2.0	1	08/08/25 17:34	
2-Hexanone	ND U	20	1	08/08/25 17:34	
Isopropylbenzene	ND U	2.0	1	08/08/25 17:34	
4-Isopropyltoluene	ND U	2.0	1	08/08/25 17:34	

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 10:10
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-02-1S	**Units:**	ug/L
Lab Code:	K2507505-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	08/08/25 17:34	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	08/08/25 17:34	
Methylene Chloride	ND U	2.0	1	08/08/25 17:34	
Naphthalene	ND U	2.0	1	08/08/25 17:34	
n-Propylbenzene	ND U	2.0	1	08/08/25 17:34	
Styrene	ND U	0.50	1	08/08/25 17:34	*
1,1,1,2-Tetrachloroethane	ND U	0.50	1	08/08/25 17:34	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	08/08/25 17:34	
Tetrachloroethene (PCE)	ND U	0.50	1	08/08/25 17:34	
Toluene	ND U	0.50	1	08/08/25 17:34	
1,2,3-Trichlorobenzene	ND U	2.0	1	08/08/25 17:34	
1,2,4-Trichlorobenzene	ND U	2.0	1	08/08/25 17:34	
1,1,2-Trichloroethane	ND U	0.50	1	08/08/25 17:34	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	08/08/25 17:34	
Trichloroethene (TCE)	ND U	0.50	1	08/08/25 17:34	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	08/08/25 17:34	
1,2,3-Trichloropropane	ND U	0.50	1	08/08/25 17:34	
1,2,4-Trimethylbenzene	ND U	2.0	1	08/08/25 17:34	
1,3,5-Trimethylbenzene	ND U	2.0	1	08/08/25 17:34	
Vinyl Chloride	ND U	0.50	1	08/08/25 17:34	
o-Xylene	ND U	0.50	1	08/08/25 17:34	
m,p-Xylenes	ND U	0.50	1	08/08/25 17:34	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	79	68 - 117	08/08/25 17:34	
Dibromofluoromethane	119	73 - 122	08/08/25 17:34	
Toluene-d8	97	65 - 144	08/08/25 17:34	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 11:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-03-10SR	**Units:**	ug/L
Lab Code:	K2507505-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	08/08/25 17:55	
Benzene	ND U	0.50	1	08/08/25 17:55	
Bromobenzene	ND U	2.0	1	08/08/25 17:55	
Bromochloromethane	ND U	0.50	1	08/08/25 17:55	
Bromodichloromethane	ND U	0.50	1	08/08/25 17:55	
Bromoform	ND U	0.50	1	08/08/25 17:55	*
Bromomethane	ND U	0.50	1	08/08/25 17:55	*
2-Butanone (MEK)	ND U	20	1	08/08/25 17:55	
n-Butylbenzene	ND U	4.0	1	08/08/25 17:55	
sec-Butylbenzene	ND U	2.0	1	08/08/25 17:55	
tert-Butylbenzene	ND U	2.0	1	08/08/25 17:55	
Carbon Disulfide	ND U	0.50	1	08/08/25 17:55	
Carbon Tetrachloride	ND U	0.50	1	08/08/25 17:55	
Chlorobenzene	ND U	0.50	1	08/08/25 17:55	
Chloroethane	ND U	0.50	1	08/08/25 17:55	
Chloroform	ND U	0.50	1	08/08/25 17:55	
Chloromethane	ND U	0.50	1	08/08/25 17:55	*
2-Chlorotoluene	ND U	2.0	1	08/08/25 17:55	
4-Chlorotoluene	ND U	2.0	1	08/08/25 17:55	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	08/08/25 17:55	
Dibromochloromethane	ND U	0.50	1	08/08/25 17:55	
1,2-Dibromoethane (EDB)	ND U	2.0	1	08/08/25 17:55	
Dibromomethane	ND U	0.50	1	08/08/25 17:55	
1,2-Dichlorobenzene	ND U	0.50	1	08/08/25 17:55	
1,3-Dichlorobenzene	ND U	0.50	1	08/08/25 17:55	
1,4-Dichlorobenzene	ND U	0.50	1	08/08/25 17:55	
Dichlorodifluoromethane	ND U	0.50	1	08/08/25 17:55	
1,1-Dichloroethane	ND U	0.50	1	08/08/25 17:55	
cis-1,2-Dichloroethene	ND U	0.50	1	08/08/25 17:55	
trans-1,2-Dichloroethene	ND U	0.50	1	08/08/25 17:55	
1,2-Dichloropropane	ND U	0.50	1	08/08/25 17:55	
1,3-Dichloropropane	ND U	0.50	1	08/08/25 17:55	
2,2-Dichloropropane	ND U	0.50	1	08/08/25 17:55	
1,1-Dichloropropene	ND U	0.50	1	08/08/25 17:55	
cis-1,3-Dichloropropene	ND U	0.50	1	08/08/25 17:55	
trans-1,3-Dichloropropene	ND U	0.50	1	08/08/25 17:55	
Ethylbenzene	ND U	0.50	1	08/08/25 17:55	
Hexachlorobutadiene	ND U	2.0	1	08/08/25 17:55	
2-Hexanone	ND U	20	1	08/08/25 17:55	
Isopropylbenzene	ND U	2.0	1	08/08/25 17:55	
4-Isopropyltoluene	ND U	2.0	1	08/08/25 17:55	

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 11:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-03-10SR	**Units:**	ug/L
Lab Code:	K2507505-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	08/08/25 17:55	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	08/08/25 17:55	
Methylene Chloride	ND U	2.0	1	08/08/25 17:55	
Naphthalene	ND U	2.0	1	08/08/25 17:55	
n-Propylbenzene	ND U	2.0	1	08/08/25 17:55	
Styrene	ND U	0.50	1	08/08/25 17:55	*
1,1,1,2-Tetrachloroethane	ND U	0.50	1	08/08/25 17:55	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	08/08/25 17:55	
Tetrachloroethene (PCE)	ND U	0.50	1	08/08/25 17:55	
Toluene	ND U	0.50	1	08/08/25 17:55	
1,2,3-Trichlorobenzene	ND U	2.0	1	08/08/25 17:55	
1,2,4-Trichlorobenzene	ND U	2.0	1	08/08/25 17:55	
1,1,2-Trichloroethane	ND U	0.50	1	08/08/25 17:55	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	08/08/25 17:55	
Trichloroethene (TCE)	ND U	0.50	1	08/08/25 17:55	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	08/08/25 17:55	
1,2,3-Trichloropropane	ND U	0.50	1	08/08/25 17:55	
1,2,4-Trimethylbenzene	ND U	2.0	1	08/08/25 17:55	
1,3,5-Trimethylbenzene	ND U	2.0	1	08/08/25 17:55	
Vinyl Chloride	ND U	0.50	1	08/08/25 17:55	
o-Xylene	ND U	0.50	1	08/08/25 17:55	
m,p-Xylenes	ND U	0.50	1	08/08/25 17:55	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	78	68 - 117	08/08/25 17:55	
Dibromofluoromethane	124	73 - 122	08/08/25 17:55	*
Toluene-d8	93	65 - 144	08/08/25 17:55	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 12:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-04-27I	**Units:**	ug/L
Lab Code:	K2507505-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	08/08/25 18:16	
Benzene	ND U	0.50	1	08/08/25 18:16	
Bromobenzene	ND U	2.0	1	08/08/25 18:16	
Bromochloromethane	ND U	0.50	1	08/08/25 18:16	
Bromodichloromethane	ND U	0.50	1	08/08/25 18:16	
Bromoform	ND U	0.50	1	08/08/25 18:16	*
Bromomethane	ND U	0.50	1	08/08/25 18:16	*
2-Butanone (MEK)	ND U	20	1	08/08/25 18:16	
n-Butylbenzene	ND U	4.0	1	08/08/25 18:16	
sec-Butylbenzene	ND U	2.0	1	08/08/25 18:16	
tert-Butylbenzene	ND U	2.0	1	08/08/25 18:16	
Carbon Disulfide	ND U	0.50	1	08/08/25 18:16	
Carbon Tetrachloride	ND U	0.50	1	08/08/25 18:16	
Chlorobenzene	ND U	0.50	1	08/08/25 18:16	
Chloroethane	ND U	0.50	1	08/08/25 18:16	
Chloroform	ND U	0.50	1	08/08/25 18:16	
Chloromethane	ND U	0.50	1	08/08/25 18:16	*
2-Chlorotoluene	ND U	2.0	1	08/08/25 18:16	
4-Chlorotoluene	ND U	2.0	1	08/08/25 18:16	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	08/08/25 18:16	
Dibromochloromethane	ND U	0.50	1	08/08/25 18:16	
1,2-Dibromoethane (EDB)	ND U	2.0	1	08/08/25 18:16	
Dibromomethane	ND U	0.50	1	08/08/25 18:16	
1,2-Dichlorobenzene	ND U	0.50	1	08/08/25 18:16	
1,3-Dichlorobenzene	ND U	0.50	1	08/08/25 18:16	
1,4-Dichlorobenzene	ND U	0.50	1	08/08/25 18:16	
Dichlorodifluoromethane	ND U	0.50	1	08/08/25 18:16	
1,1-Dichloroethane	ND U	0.50	1	08/08/25 18:16	
cis-1,2-Dichloroethene	ND U	0.50	1	08/08/25 18:16	
trans-1,2-Dichloroethene	ND U	0.50	1	08/08/25 18:16	
1,2-Dichloropropane	ND U	0.50	1	08/08/25 18:16	
1,3-Dichloropropane	ND U	0.50	1	08/08/25 18:16	
2,2-Dichloropropane	ND U	0.50	1	08/08/25 18:16	
1,1-Dichloropropene	ND U	0.50	1	08/08/25 18:16	
cis-1,3-Dichloropropene	ND U	0.50	1	08/08/25 18:16	
trans-1,3-Dichloropropene	ND U	0.50	1	08/08/25 18:16	
Ethylbenzene	ND U	0.50	1	08/08/25 18:16	
Hexachlorobutadiene	ND U	2.0	1	08/08/25 18:16	
2-Hexanone	ND U	20	1	08/08/25 18:16	
Isopropylbenzene	ND U	2.0	1	08/08/25 18:16	
4-Isopropyltoluene	ND U	2.0	1	08/08/25 18:16	

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 12:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-04-27I	**Units:**	ug/L
Lab Code:	K2507505-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	08/08/25 18:16	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	08/08/25 18:16	
Methylene Chloride	ND U	2.0	1	08/08/25 18:16	
Naphthalene	ND U	2.0	1	08/08/25 18:16	
n-Propylbenzene	ND U	2.0	1	08/08/25 18:16	
Styrene	ND U	0.50	1	08/08/25 18:16	*
1,1,1,2-Tetrachloroethane	ND U	0.50	1	08/08/25 18:16	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	08/08/25 18:16	
Tetrachloroethene (PCE)	ND U	0.50	1	08/08/25 18:16	
Toluene	ND U	0.50	1	08/08/25 18:16	
1,2,3-Trichlorobenzene	ND U	2.0	1	08/08/25 18:16	
1,2,4-Trichlorobenzene	ND U	2.0	1	08/08/25 18:16	
1,1,2-Trichloroethane	ND U	0.50	1	08/08/25 18:16	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	08/08/25 18:16	
Trichloroethene (TCE)	ND U	0.50	1	08/08/25 18:16	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	08/08/25 18:16	
1,2,3-Trichloropropane	ND U	0.50	1	08/08/25 18:16	
1,2,4-Trimethylbenzene	ND U	2.0	1	08/08/25 18:16	
1,3,5-Trimethylbenzene	ND U	2.0	1	08/08/25 18:16	
Vinyl Chloride	ND U	0.50	1	08/08/25 18:16	
o-Xylene	ND U	0.50	1	08/08/25 18:16	
m,p-Xylenes	ND U	0.50	1	08/08/25 18:16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	77	68 - 117	08/08/25 18:16	
Dibromofluoromethane	113	73 - 122	08/08/25 18:16	
Toluene-d8	94	65 - 144	08/08/25 18:16	

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 12:05
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-05-DUP	**Units:**	ug/L
Lab Code:	K2507505-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	08/08/25 18:37	
Benzene	ND U	0.50	1	08/08/25 18:37	
Bromobenzene	ND U	2.0	1	08/08/25 18:37	
Bromochloromethane	ND U	0.50	1	08/08/25 18:37	
Bromodichloromethane	ND U	0.50	1	08/08/25 18:37	
Bromoform	ND U	0.50	1	08/08/25 18:37	*
Bromomethane	ND U	0.50	1	08/08/25 18:37	*
2-Butanone (MEK)	ND U	20	1	08/08/25 18:37	
n-Butylbenzene	ND U	4.0	1	08/08/25 18:37	
sec-Butylbenzene	ND U	2.0	1	08/08/25 18:37	
tert-Butylbenzene	ND U	2.0	1	08/08/25 18:37	
Carbon Disulfide	ND U	0.50	1	08/08/25 18:37	
Carbon Tetrachloride	ND U	0.50	1	08/08/25 18:37	
Chlorobenzene	ND U	0.50	1	08/08/25 18:37	
Chloroethane	ND U	0.50	1	08/08/25 18:37	
Chloroform	ND U	0.50	1	08/08/25 18:37	
Chloromethane	ND U	0.50	1	08/08/25 18:37	*
2-Chlorotoluene	ND U	2.0	1	08/08/25 18:37	
4-Chlorotoluene	ND U	2.0	1	08/08/25 18:37	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	08/08/25 18:37	
Dibromochloromethane	ND U	0.50	1	08/08/25 18:37	
1,2-Dibromoethane (EDB)	ND U	2.0	1	08/08/25 18:37	
Dibromomethane	ND U	0.50	1	08/08/25 18:37	
1,2-Dichlorobenzene	ND U	0.50	1	08/08/25 18:37	
1,3-Dichlorobenzene	ND U	0.50	1	08/08/25 18:37	
1,4-Dichlorobenzene	ND U	0.50	1	08/08/25 18:37	
Dichlorodifluoromethane	ND U	0.50	1	08/08/25 18:37	
1,1-Dichloroethane	ND U	0.50	1	08/08/25 18:37	
cis-1,2-Dichloroethene	ND U	0.50	1	08/08/25 18:37	
trans-1,2-Dichloroethene	ND U	0.50	1	08/08/25 18:37	
1,2-Dichloropropane	ND U	0.50	1	08/08/25 18:37	
1,3-Dichloropropane	ND U	0.50	1	08/08/25 18:37	
2,2-Dichloropropane	ND U	0.50	1	08/08/25 18:37	
1,1-Dichloropropene	ND U	0.50	1	08/08/25 18:37	
cis-1,3-Dichloropropene	ND U	0.50	1	08/08/25 18:37	
trans-1,3-Dichloropropene	ND U	0.50	1	08/08/25 18:37	
Ethylbenzene	ND U	0.50	1	08/08/25 18:37	
Hexachlorobutadiene	ND U	2.0	1	08/08/25 18:37	
2-Hexanone	ND U	20	1	08/08/25 18:37	
Isopropylbenzene	ND U	2.0	1	08/08/25 18:37	
4-Isopropyltoluene	ND U	2.0	1	08/08/25 18:37	

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 12:05
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-05-DUP	**Units:**	ug/L
Lab Code:	K2507505-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	08/08/25 18:37	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	08/08/25 18:37	
Methylene Chloride	ND U	2.0	1	08/08/25 18:37	
Naphthalene	ND U	2.0	1	08/08/25 18:37	
n-Propylbenzene	ND U	2.0	1	08/08/25 18:37	
Styrene	ND U	0.50	1	08/08/25 18:37	*
1,1,1,2-Tetrachloroethane	ND U	0.50	1	08/08/25 18:37	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	08/08/25 18:37	
Tetrachloroethene (PCE)	ND U	0.50	1	08/08/25 18:37	
Toluene	ND U	0.50	1	08/08/25 18:37	
1,2,3-Trichlorobenzene	ND U	2.0	1	08/08/25 18:37	
1,2,4-Trichlorobenzene	ND U	2.0	1	08/08/25 18:37	
1,1,2-Trichloroethane	ND U	0.50	1	08/08/25 18:37	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	08/08/25 18:37	
Trichloroethene (TCE)	ND U	0.50	1	08/08/25 18:37	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	08/08/25 18:37	
1,2,3-Trichloropropane	ND U	0.50	1	08/08/25 18:37	
1,2,4-Trimethylbenzene	ND U	2.0	1	08/08/25 18:37	
1,3,5-Trimethylbenzene	ND U	2.0	1	08/08/25 18:37	
Vinyl Chloride	ND U	0.50	1	08/08/25 18:37	
o-Xylene	ND U	0.50	1	08/08/25 18:37	
m,p-Xylenes	ND U	0.50	1	08/08/25 18:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	81	68 - 117	08/08/25 18:37	
Dibromofluoromethane	118	73 - 122	08/08/25 18:37	
Toluene-d8	97	65 - 144	08/08/25 18:37	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 07:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	TB2	**Units:**	ug/L
Lab Code:	K2507505-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	08/08/25 13:22	
Benzene	ND U	0.50	1	08/08/25 13:22	
Bromobenzene	ND U	2.0	1	08/08/25 13:22	
Bromochloromethane	ND U	0.50	1	08/08/25 13:22	
Bromodichloromethane	ND U	0.50	1	08/08/25 13:22	
Bromoform	ND U	0.50	1	08/08/25 13:22	*
Bromomethane	ND U	0.50	1	08/08/25 13:22	*
2-Butanone (MEK)	ND U	20	1	08/08/25 13:22	
n-Butylbenzene	ND U	4.0	1	08/08/25 13:22	
sec-Butylbenzene	ND U	2.0	1	08/08/25 13:22	
tert-Butylbenzene	ND U	2.0	1	08/08/25 13:22	
Carbon Disulfide	ND U	0.50	1	08/08/25 13:22	
Carbon Tetrachloride	ND U	0.50	1	08/08/25 13:22	
Chlorobenzene	ND U	0.50	1	08/08/25 13:22	
Chloroethane	ND U	0.50	1	08/08/25 13:22	
Chloroform	ND U	0.50	1	08/08/25 13:22	
Chloromethane	ND U	0.50	1	08/08/25 13:22	*
2-Chlorotoluene	ND U	2.0	1	08/08/25 13:22	
4-Chlorotoluene	ND U	2.0	1	08/08/25 13:22	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	08/08/25 13:22	
Dibromochloromethane	ND U	0.50	1	08/08/25 13:22	
1,2-Dibromoethane (EDB)	ND U	2.0	1	08/08/25 13:22	
Dibromomethane	ND U	0.50	1	08/08/25 13:22	
1,2-Dichlorobenzene	ND U	0.50	1	08/08/25 13:22	
1,3-Dichlorobenzene	ND U	0.50	1	08/08/25 13:22	
1,4-Dichlorobenzene	ND U	0.50	1	08/08/25 13:22	
Dichlorodifluoromethane	ND U	0.50	1	08/08/25 13:22	
1,1-Dichloroethane	ND U	0.50	1	08/08/25 13:22	
cis-1,2-Dichloroethene	ND U	0.50	1	08/08/25 13:22	
trans-1,2-Dichloroethene	ND U	0.50	1	08/08/25 13:22	
1,2-Dichloropropane	ND U	0.50	1	08/08/25 13:22	
1,3-Dichloropropane	ND U	0.50	1	08/08/25 13:22	
2,2-Dichloropropane	ND U	0.50	1	08/08/25 13:22	
1,1-Dichloropropene	ND U	0.50	1	08/08/25 13:22	
cis-1,3-Dichloropropene	ND U	0.50	1	08/08/25 13:22	
trans-1,3-Dichloropropene	ND U	0.50	1	08/08/25 13:22	
Ethylbenzene	ND U	0.50	1	08/08/25 13:22	
Hexachlorobutadiene	ND U	2.0	1	08/08/25 13:22	
2-Hexanone	ND U	20	1	08/08/25 13:22	
Isopropylbenzene	ND U	2.0	1	08/08/25 13:22	
4-Isopropyltoluene	ND U	2.0	1	08/08/25 13:22	

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 07:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	TB2	**Units:**	ug/L
Lab Code:	K2507505-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	08/08/25 13:22	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	08/08/25 13:22	
Methylene Chloride	ND U	2.0	1	08/08/25 13:22	
Naphthalene	ND U	2.0	1	08/08/25 13:22	
n-Propylbenzene	ND U	2.0	1	08/08/25 13:22	
Styrene	ND U	0.50	1	08/08/25 13:22	*
1,1,1,2-Tetrachloroethane	ND U	0.50	1	08/08/25 13:22	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	08/08/25 13:22	
Tetrachloroethene (PCE)	ND U	0.50	1	08/08/25 13:22	
Toluene	ND U	0.50	1	08/08/25 13:22	
1,2,3-Trichlorobenzene	ND U	2.0	1	08/08/25 13:22	
1,2,4-Trichlorobenzene	ND U	2.0	1	08/08/25 13:22	
1,1,2-Trichloroethane	ND U	0.50	1	08/08/25 13:22	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	08/08/25 13:22	
Trichloroethene (TCE)	ND U	0.50	1	08/08/25 13:22	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	08/08/25 13:22	
1,2,3-Trichloropropane	ND U	0.50	1	08/08/25 13:22	
1,2,4-Trimethylbenzene	ND U	2.0	1	08/08/25 13:22	
1,3,5-Trimethylbenzene	ND U	2.0	1	08/08/25 13:22	
Vinyl Chloride	ND U	0.50	1	08/08/25 13:22	
o-Xylene	ND U	0.50	1	08/08/25 13:22	
m,p-Xylenes	ND U	0.50	1	08/08/25 13:22	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	80	68 - 117	08/08/25 13:22	
Dibromofluoromethane	120	73 - 122	08/08/25 13:22	
Toluene-d8	95	65 - 144	08/08/25 13:22	

Metals

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 09:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-01-17S	**Basis:**	NA
Lab Code:	K2507505-001		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	08/05/25 14:20	08/01/25	
Manganese	6020B	**0.26**	ug/L	0.20	1	08/05/25 14:20	08/01/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 10:10
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-02-1S	**Basis:**	NA
Lab Code:	K2507505-002		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	08/05/25 14:22	08/01/25	
Manganese	6020B	ND U	ug/L	0.20	1	08/05/25 14:22	08/01/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 11:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-03-10SR	**Basis:**	NA
Lab Code:	K2507505-003		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	**2.6**	ug/L	2.0	1	08/05/25 14:25	08/01/25	
Manganese	6020B	**0.43**	ug/L	0.20	1	08/05/25 14:25	08/01/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 12:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-04-27I	**Basis:**	NA
Lab Code:	K2507505-004		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	08/05/25 14:27	08/01/25	
Manganese	6020B	**198**	ug/L	0.20	1	08/05/25 14:27	08/01/25	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 12:05
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-05-DUP	**Basis:**	NA
Lab Code:	K2507505-005		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	08/05/25 14:29	08/01/25	
Manganese	6020B	**199**	ug/L	0.20	1	08/05/25 14:29	08/01/25	

General Chemistry

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Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 09:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-01-17S	**Basis:**	NA
Lab Code:	K2507505-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**7.56**	mg/L	0.20	2	07/30/25 22:11	
Nitrate as Nitrogen	300.0	**7.71**	mg/L	0.10	2	07/30/25 22:11	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 09:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-01-17S	**Basis:**	NA
Lab Code:	K2507505-001		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**242**	mg/L	10	1	08/02/25 17:16	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 10:10
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-02-1S	**Basis:**	NA
Lab Code:	K2507505-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**7.46**	mg/L	0.20	2	07/30/25 22:19	
Nitrate as Nitrogen	300.0	**5.74**	mg/L	0.10	2	07/30/25 22:19	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 10:10
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-02-1S	**Basis:**	NA
Lab Code:	K2507505-002		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**207**	mg/L	10	1	08/02/25 17:16	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 11:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-03-10SR	**Basis:**	NA
Lab Code:	K2507505-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**19.2**	mg/L	0.50	5	07/31/25 17:04	
Nitrate as Nitrogen	300.0	**1.47**	mg/L	0.10	2	07/30/25 22:28	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 11:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-03-10SR	**Basis:**	NA
Lab Code:	K2507505-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**242**	mg/L	10	1	08/02/25 17:16	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 12:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-04-27I	**Basis:**	NA
Lab Code:	K2507505-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**20.3**	mg/L	0.50	5	07/31/25 17:12	
Nitrate as Nitrogen	300.0	**0.21**	mg/L	0.10	2	07/30/25 22:37	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 12:00
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-04-27I	**Basis:**	NA
Lab Code:	K2507505-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**320**	mg/L	10	1	08/02/25 17:16	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 12:05
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-05-DUP	**Basis:**	NA
Lab Code:	K2507505-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	**20.1**	mg/L	0.50	5	07/31/25 17:21	
Nitrate as Nitrogen	300.0	**0.21**	mg/L	0.10	2	07/30/25 22:46	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25 12:05
Sample Matrix:	Ground Water	**Date Received:**	07/30/25 13:00
Sample Name:	LB-072925-05-DUP	**Basis:**	NA
Lab Code:	K2507505-005		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	**317**	mg/L	10	1	08/02/25 17:16	

QC Summary Forms

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Volatile Organic Compounds by GC/MS

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www.alsglobal.com

Client: SCS Engineers **Service Request:** K2507505
Project: Leichner Landfill/04225030.13
Sample Matrix: Ground Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: None

Sample Name	Lab Code	4-Bromofluorobenzene 68 - 117	Dibromofluoromethane 73 - 122	Toluene-d8 65 - 144
LB-072925-01-17S	K2507505-001	78	113	99
LB-072925-02-1S	K2507505-002	79	119	97
LB-072925-03-10SR	K2507505-003	78	124 *	93
LB-072925-04-27I	K2507505-004	77	113	94
LB-072925-05-DUP	K2507505-005	81	118	97
TB2	K2507505-006	80	120	95
Lab Control Sample	KQ2514070-03	93	101	100
Duplicate Lab Control Sample	KQ2514070-04	96	101	100
Method Blank	KQ2514070-07	75	113	94

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2514070-07	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	ND U	20	1	08/08/25 12:40	
Benzene	ND U	0.50	1	08/08/25 12:40	
Bromobenzene	ND U	2.0	1	08/08/25 12:40	
Bromochloromethane	ND U	0.50	1	08/08/25 12:40	
Bromodichloromethane	ND U	0.50	1	08/08/25 12:40	
Bromoform	ND U	0.50	1	08/08/25 12:40	
Bromomethane	ND U	0.50	1	08/08/25 12:40	
2-Butanone (MEK)	ND U	20	1	08/08/25 12:40	
n-Butylbenzene	ND U	4.0	1	08/08/25 12:40	
sec-Butylbenzene	ND U	2.0	1	08/08/25 12:40	
tert-Butylbenzene	ND U	2.0	1	08/08/25 12:40	
Carbon Disulfide	ND U	0.50	1	08/08/25 12:40	
Carbon Tetrachloride	ND U	0.50	1	08/08/25 12:40	
Chlorobenzene	ND U	0.50	1	08/08/25 12:40	
Chloroethane	ND U	0.50	1	08/08/25 12:40	
Chloroform	ND U	0.50	1	08/08/25 12:40	
Chloromethane	ND U	0.50	1	08/08/25 12:40	
2-Chlorotoluene	ND U	2.0	1	08/08/25 12:40	
4-Chlorotoluene	ND U	2.0	1	08/08/25 12:40	
1,2-Dibromo-3-chloropropane	ND U	2.0	1	08/08/25 12:40	
Dibromochloromethane	ND U	0.50	1	08/08/25 12:40	
1,2-Dibromoethane (EDB)	ND U	2.0	1	08/08/25 12:40	
Dibromomethane	ND U	0.50	1	08/08/25 12:40	
1,2-Dichlorobenzene	ND U	0.50	1	08/08/25 12:40	
1,3-Dichlorobenzene	ND U	0.50	1	08/08/25 12:40	
1,4-Dichlorobenzene	ND U	0.50	1	08/08/25 12:40	
Dichlorodifluoromethane	ND U	0.50	1	08/08/25 12:40	
1,1-Dichloroethane	ND U	0.50	1	08/08/25 12:40	
cis-1,2-Dichloroethene	ND U	0.50	1	08/08/25 12:40	
trans-1,2-Dichloroethene	ND U	0.50	1	08/08/25 12:40	
1,2-Dichloropropane	ND U	0.50	1	08/08/25 12:40	
1,3-Dichloropropane	ND U	0.50	1	08/08/25 12:40	
2,2-Dichloropropane	ND U	0.50	1	08/08/25 12:40	
1,1-Dichloropropene	ND U	0.50	1	08/08/25 12:40	
cis-1,3-Dichloropropene	ND U	0.50	1	08/08/25 12:40	
trans-1,3-Dichloropropene	ND U	0.50	1	08/08/25 12:40	
Ethylbenzene	ND U	0.50	1	08/08/25 12:40	
Hexachlorobutadiene	ND U	2.0	1	08/08/25 12:40	
2-Hexanone	ND U	20	1	08/08/25 12:40	
Isopropylbenzene	ND U	2.0	1	08/08/25 12:40	
4-Isopropyltoluene	ND U	2.0	1	08/08/25 12:40	

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ2514070-07	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: None

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Methyl tert-Butyl Ether	ND U	0.50	1	08/08/25 12:40	
4-Methyl-2-pentanone (MIBK)	ND U	20	1	08/08/25 12:40	
Methylene Chloride	ND U	2.0	1	08/08/25 12:40	
Naphthalene	ND U	2.0	1	08/08/25 12:40	
n-Propylbenzene	ND U	2.0	1	08/08/25 12:40	
Styrene	ND U	0.50	1	08/08/25 12:40	
1,1,1,2-Tetrachloroethane	ND U	0.50	1	08/08/25 12:40	
1,1,2,2-Tetrachloroethane	ND U	0.50	1	08/08/25 12:40	
Tetrachloroethene (PCE)	ND U	0.50	1	08/08/25 12:40	
Toluene	ND U	0.50	1	08/08/25 12:40	
1,2,3-Trichlorobenzene	ND U	2.0	1	08/08/25 12:40	
1,2,4-Trichlorobenzene	ND U	2.0	1	08/08/25 12:40	
1,1,2-Trichloroethane	ND U	0.50	1	08/08/25 12:40	
1,1,1-Trichloroethane (TCA)	ND U	0.50	1	08/08/25 12:40	
Trichloroethene (TCE)	ND U	0.50	1	08/08/25 12:40	
Trichlorofluoromethane (CFC 11)	ND U	0.50	1	08/08/25 12:40	
1,2,3-Trichloropropane	ND U	0.50	1	08/08/25 12:40	
1,2,4-Trimethylbenzene	ND U	2.0	1	08/08/25 12:40	
1,3,5-Trimethylbenzene	ND U	2.0	1	08/08/25 12:40	
Vinyl Chloride	ND U	0.50	1	08/08/25 12:40	
o-Xylene	ND U	0.50	1	08/08/25 12:40	
m,p-Xylenes	ND U	0.50	1	08/08/25 12:40	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	75	68 - 117	08/08/25 12:40	
Dibromofluoromethane	113	73 - 122	08/08/25 12:40	
Toluene-d8	94	65 - 144	08/08/25 12:40	

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Analyzed:**	08/08/25
Sample Matrix:	Ground Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	889000

	Lab Control Sample KQ2514070-03			Duplicate Lab Control Sample KQ2514070-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	11.6	10.0	116	10.7	10.0	107	66-124	8	30
1,1,1-Trichloroethane (TCA)	9.84	10.0	98	10.2	10.0	102	59-136	3	30
1,1,2,2-Tetrachloroethane	9.44	10.0	94	8.37	10.0	84	70-127	12	30
1,1,2-Trichloroethane	10.7	10.0	107	10.4	10.0	104	74-118	3	30
1,1-Dichloroethane	9.93	10.0	99	9.84	10.0	98	68-132	<1	30
1,1-Dichloropropene	9.59	10.0	96	10.1	10.0	101	59-134	5	30
1,2,3-Trichlorobenzene	10.0	10.0	100	9.16	10.0	92	68-120	9	30
1,2,3-Trichloropropane	11.0	10.0	110	9.04	10.0	90	69-123	20	30
1,2,4-Trichlorobenzene	10.1	10.0	101	8.91	10.0	89	58-126	12	30
1,2,4-Trimethylbenzene	9.80	10.0	98	9.13	10.0	91	63-122	7	30
1,2-Dibromo-3-chloropropane	11.1	10.0	111	8.45	10.0	85	55-132	27	30
1,2-Dibromoethane (EDB)	10.9	10.0	109	10.6	10.0	106	74-118	2	30
1,2-Dichlorobenzene	10.7	10.0	107	9.23	10.0	92	72-115	15	30
1,2-Dichloropropane	9.34	10.0	93	9.31	10.0	93	67-126	<1	30
1,3,5-Trimethylbenzene	9.50	10.0	95	8.81	10.0	88	62-126	8	30
1,3-Dichlorobenzene	10.7	10.0	107	9.77	10.0	98	70-116	9	30
1,3-Dichloropropane	10.3	10.0	103	10.2	10.0	102	75-116	2	30
1,4-Dichlorobenzene	10.5	10.0	105	9.11	10.0	91	73-115	14	30
2,2-Dichloropropane	9.66	10.0	97	9.58	10.0	96	37-145	<1	30
2-Butanone (MEK)	47.6	50.0	95	51.4	50.0	103	71-149	8	30
2-Chlorotoluene	9.66	10.0	97	8.90	10.0	89	55-131	8	30
2-Hexanone	53.6	50.0	107	48.9	50.0	98	59-131	9	30
4-Chlorotoluene	9.71	10.0	97	8.99	10.0	90	66-121	8	30
4-Isopropyltoluene	10.3	10.0	103	9.65	10.0	97	61-128	6	30
4-Methyl-2-pentanone (MIBK)	50.5	50.0	101	45.7	50.0	91	64-134	10	30
Acetone	48.8	50.0	98	50.0	50.0	100	68-135	2	30
Benzene	9.82	10.0	98	9.72	10.0	97	69-124	1	30
Bromobenzene	10.3	10.0	103	8.96	10.0	90	72-116	14	30
Bromochloromethane	11.5	10.0	115	11.0	10.0	110	75-131	4	30
Bromodichloromethane	10.0	10.0	100	10.0	10.0	100	63-129	<1	30
Bromoform	11.8	10.0	118	12.0	10.0	120	52-144	2	30
Bromomethane	11.4	10.0	114 *	11.5	10.0	115 *	35-113	<1	30
Carbon Disulfide	18.4	20.0	92	19.1	20.0	95	46-144	3	30
Carbon Tetrachloride	10.3	10.0	103	11.3	10.0	113	55-140	9	30
Chlorobenzene	11.3	10.0	113	10.8	10.0	108	72-116	4	30
Chloroethane	9.24	10.0	92	9.14	10.0	91	58-134	1	30
Chloroform	9.80	10.0	98	9.43	10.0	94	70-129	4	30
Chloromethane	8.79	10.0	88	8.84	10.0	88	34-130	<1	30
cis-1,2-Dichloroethene	10.7	10.0	107	10.4	10.0	104	71-118	3	30
cis-1,3-Dichloropropene	10.1	10.0	101	9.61	10.0	96	62-132	5	30
Dibromochloromethane	10.7	10.0	107	10.3	10.0	103	67-126	3	30

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Analyzed:**	08/08/25
Sample Matrix:	Ground Water	**Date Extracted:**	NA

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	**Units:**	ug/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	889000

	Lab Control Sample KQ2514070-03			Duplicate Lab Control Sample KQ2514070-04					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Dibromomethane	10.5	10.0	105	9.81	10.0	98	69-128	7	30
Dichlorodifluoromethane	9.09	10.0	91	10.1	10.0	101	32-124	10	30
Ethylbenzene	10.9	10.0	109	10.6	10.0	106	67-121	2	30
Hexachlorobutadiene	10.1	10.0	101	9.49	10.0	95	57-119	6	30
Isopropylbenzene	9.18	10.0	92	9.17	10.0	92	67-129	<1	30
m,p-Xylenes	21.7	20.0	109	21.1	20.0	105	69-121	3	30
Methyl tert-Butyl Ether	10.5	10.0	105	10.2	10.0	102	54-126	2	30
Methylene Chloride	11.1	10.0	111	10.5	10.0	105	71-122	6	30
Naphthalene	9.05	10.0	91	8.02	10.0	80	64-126	12	30
n-Butylbenzene	8.59	10.0	86	8.40	10.0	84	55-130	2	30
n-Propylbenzene	9.03	10.0	90	8.45	10.0	85	61-124	7	30
o-Xylene	10.9	10.0	109	10.6	10.0	106	71-119	3	30
sec-Butylbenzene	9.13	10.0	91	8.77	10.0	88	59-128	4	30
Styrene	10.9	10.0	109	10.8	10.0	108	74-121	1	30
tert-Butylbenzene	9.32	10.0	93	8.91	10.0	89	61-127	4	30
Tetrachloroethene (PCE)	11.0	10.0	110	11.3	10.0	113	62-126	2	30
Toluene	9.99	10.0	100	10.1	10.0	101	69-124	<1	30
trans-1,2-Dichloroethene	10.7	10.0	107	10.9	10.0	109	67-125	2	30
trans-1,3-Dichloropropene	10.9	10.0	109	9.78	10.0	98	59-125	10	30
Trichloroethene (TCE)	10.2	10.0	102	10.1	10.0	101	67-128	<1	30
Trichlorofluoromethane (CFC 11)	11.1	10.0	111	12.2	10.0	122	52-141	9	30
Vinyl Chloride	9.52	10.0	95	10.1	10.0	101	55-123	6	30

Metals

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	KQ2513562-01		

Dissolved Metals

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Iron	6020B	ND U	ug/L	2.0	1	08/05/25 13:32	08/01/25	
Manganese	6020B	ND U	ug/L	0.20	1	08/05/25 13:32	08/01/25	

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dba ALS Environmental

QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Analyzed:**	08/05/25
Sample Matrix:	Ground Water		

Lab Control Sample Summary
Dissolved Metals

Units:ug/L
Basis:NA

Lab Control Sample
KQ2513562-02

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Iron	6020B	51.2	50.0	102	80-120
Manganese	6020B	24.7	25.0	99	80-120

General Chemistry

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2507505-MB1		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	07/30/25 17:32	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.050	1	07/30/25 17:32	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2507505-MB1		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	08/02/25 17:16	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2507505-MB2		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	07/30/25 21:19	
Nitrate as Nitrogen	300.0	ND U	mg/L	0.050	1	07/30/25 21:19	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2507505-MB2		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Solids, Total Dissolved	SM 2540 C	ND U	mg/L	10	1	08/02/25 17:16	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2507505-MB3		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	07/31/25 16:46	

Analytical Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Collected:**	NA
Sample Matrix:	Ground Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2507505-MB4		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Chloride	300.0	ND U	mg/L	0.10	1	07/31/25 20:32	

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project	Leichner Landfill/04225030.13	**Date Collected:**	07/29/25
Sample Matrix:	Ground Water	**Date Received:**	07/30/25
		Date Analyzed:	08/02/25

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	LB-072925-05-DUP	**Units:**	mg/L
Lab Code:	K2507505-005	**Basis:**	NA

Analyte Name	Analysis Method	MRL	Sample Result	Duplicate Sample K2507505-005DUP Result	Average	RPD	RPD Limit
Solids, Total Dissolved	SM 2540 C	10	317	317	317	<1	5

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill/04225030.13
Sample Matrix: Ground Water

Service Request: K2507505
Date Analyzed: 07/30/25 - 08/02/25

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
K2507505-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	4.83	5.00	97	90-110
Nitrate as Nitrogen	300.0	2.52	2.50	101	90-110
Solids, Total Dissolved	SM 2540 C	770	789	98	85-115

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QA/QC Report

Client: SCS Engineers
Project: Leichner Landfill/04225030.13
Sample Matrix: Ground Water

Service Request: K2507505
Date Analyzed: 07/30/25

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
K2507505-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Chloride	300.0	4.85	5.00	97	90-110
Nitrate as Nitrogen	300.0	2.53	2.50	101	90-110

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Analyzed:**	07/31/25
Sample Matrix:	Ground Water	**Date Extracted:**	NA

Lab Control Sample Summary
Chloride

Analysis Method:	300.0	**Units:**	mg/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	888269

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K2507505-LCS3	4.85	5.00	97	90-110

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QA/QC Report

Client:	SCS Engineers	**Service Request:**	K2507505
Project:	Leichner Landfill/04225030.13	**Date Analyzed:**	07/31/25
Sample Matrix:	Ground Water	**Date Extracted:**	NA

Lab Control Sample Summary
Chloride

Analysis Method:	300.0	**Units:**	mg/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	888269

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K2507505-LCS4	4.92	5.00	98	90-110

APPENDIX D

2025 Groundwater Elevation Data and Groundwater Elevation Hydrographs

Table D-1
2025 Groundwater Elevation Data
Leichner Landfill

Monitoring Well	Date	Reference Elevation (feet, AMSL)	Depth to Groundwater (feet, BTOC)	Groundwater Elevation (feet, AMSL)
LB-R2	2/14/2022	222.27	48.88	173.39
LB-R2	7/25/2022	222.27	46.26	176.01
LB-R2	3/20/2023	222.27	45.71	176.56
LB-R2	7/25/2023	222.27	44.37	177.90
LB-R2	2/12/2024	222.27	43.03	179.24
LB-R2	8/6/2024	222.27	43.99	178.28
LB-R2	3/18/2025	222.27	43.55	178.72
LB-R2	7/28/2025	222.27	45.12	177.15
LB-1S	2/14/2022	210.12	39.34	170.78
LB-1S	7/25/2022	210.12	34.28	175.84
LB-1S	3/20/2023	210.12	33.75	176.37
LB-1S	7/25/2023	210.12	32.09	178.03
LB-1S	2/12/2024	210.12	30.85	179.27
LB-1S	8/6/2024	210.12	32.12	178.00
LB-1S	3/18/2025	210.12	34.45	175.67
LB-1S	7/28/2025	210.12	33.14	176.98
LB-1D	2/14/2022	209.74	38.42	171.32
LB-1D	7/25/2022	209.74	37.06	172.68
LB-1D	3/20/2023	209.74	35.92	173.82
LB-1D	7/25/2023	209.74	35.80	173.94
LB-1D	2/12/2024	209.74	33.71	176.03
LB-1D	8/6/2024	209.74	35.50	174.24
LB-1D	3/18/2025	209.74	34.20	175.54
LB-1D	7/28/2025	209.74	36.42	173.32
LB-3S	2/14/2022	218.25	41.71	176.54
LB-3S	7/25/2022	218.25	39.54	178.71
LB-3S	3/20/2023	218.25	38.70	179.55
LB-3S	7/25/2023	218.25	36.68	181.57
LB-3S	2/12/2024	218.25	35.62	182.63
LB-3S	8/6/2024	218.25	37.41	180.84
LB-3S	3/18/2025	218.25	36.54	181.71
LB-3S	7/28/2025	218.25	38.49	179.76

Table D-1
2025 Groundwater Elevation Data
Leichner Landfill

Monitoring Well	Date	Reference Elevation (feet, AMSL)	Depth to Groundwater (feet, BTOC)	Groundwater Elevation (feet, AMSL)
LB-3D	2/14/2022	219.29	42.69	176.60
LB-3D	7/25/2022	219.29	40.53	178.76
LB-3D	3/20/2023	219.29	39.67	179.62
LB-3D	7/25/2023	219.29	37.80	181.49
LB-3D	2/12/2024	219.29	36.71	182.58
LB-3D	8/6/2024	219.29	38.43	180.86
LB-3D	3/18/2025	219.29	37.51	181.78
LB-3D	7/28/2025	219.29	39.48	179.81
LB-5S	2/14/2022	206.89	16.15	190.74
LB-5S	7/25/2022	206.89	15.69	191.20
LB-5S	3/20/2023	206.89	15.58	191.31
LB-5S	7/25/2023	206.89	16.11	190.78
LB-5S	2/12/2024	206.89	15.05	191.84
LB-5S	8/6/2024	206.89	15.62	191.27
LB-5S	3/18/2025	206.89	15.40	191.49
LB-5S	7/28/2025	206.89	16.17	190.72
LB-5C	2/14/2022	206.70	36.07	170.63
LB-5C	7/25/2022	206.70	37.77	168.93
LB-5C	3/20/2023	206.70	33.47	173.23
LB-5C	7/25/2023	206.70	37.66	169.04
LB-5C	2/12/2024	206.70	31.07	175.63
LB-5C	8/6/2024	206.70	31.89	174.81
LB-5C	3/18/2025	206.70	31.53	175.17
LB-5C	7/28/2025	206.70	32.23	174.47
LB-5D	2/14/2022	207.56	40.18	167.38
LB-5D	7/25/2022	207.56	38.36	169.20
LB-5D	3/20/2023	207.56	37.40	170.16
LB-5D	7/25/2023	207.56	37.66	169.90
LB-5D	2/12/2024	207.56	35.74	171.82
LB-5D	8/6/2024	207.56	36.68	170.88
LB-5D	3/18/2025	207.56	35.99	171.57
LB-5D	7/28/2025	207.56	37.69	169.87

Table D-1
2025 Groundwater Elevation Data
Leichner Landfill

Monitoring Well	Date	Reference Elevation (feet, AMSL)	Depth to Groundwater (feet, BTOC)	Groundwater Elevation (feet, AMSL)
LB-6S	2/14/2022	202.80	30.35	172.45
LB-6S	7/25/2022	202.80	28.10	174.70
LB-6S	3/20/2023	202.80	27.46	175.34
LB-6S	7/25/2023	202.80	26.14	176.66
LB-6S	2/12/2024	202.80	24.81	177.99
LB-6S	8/6/2024	202.80	25.93	176.87
LB-6S	3/18/2025	202.80	25.31	177.49
LB-6S	7/28/2025	202.80	26.94	175.86
LB-9S(R)	2/17/2021	217.94	39.34	178.60
LB-9S(R)	8/9/2021	217.94	40.55	177.39
LB-9S2R	2/12/2024	219.23	30.88	188.35
LB-9S2R	8/6/2024	219.23	34.12	185.11
LB-9S2R	3/18/2025	219.23	36.72	182.51
LB-9S2R	7/28/2025	219.23	35.35	183.88
LB-10SR	2/14/2022	204.04	34.47	169.57
LB-10SR	7/25/2022	204.04	31.99	172.05
LB-10SR	3/20/2023	204.04	31.61	172.43
LB-10SR	7/25/2023	204.04	30.58	173.46
LB-10SR	2/12/2024	204.04	28.85	175.19
LB-10SR	8/6/2024	204.04	29.89	174.15
LB-10SR	3/18/2025	204.04	29.16	174.88
LB-10SR	7/28/2025	204.04	30.91	173.13
LB-10CR	2/14/2022	203.05	33.37	169.68
LB-10CR	7/25/2022	203.05	30.91	172.14
LB-10CR	3/20/2023	203.05	30.48	172.57
LB-10CR	7/25/2023	203.05	29.49	173.56
LB-10CR	2/12/2024	203.05	27.76	175.29
LB-10CR	8/6/2024	203.05	28.78	174.27
LB-10CR	3/18/2025	203.05	28.11	174.94
LB-10CR	7/28/2025	203.05	29.82	173.23

Table D-1
2025 Groundwater Elevation Data
Leichner Landfill

Monitoring Well	Date	Reference Elevation (feet, AMSL)	Depth to Groundwater (feet, BTOC)	Groundwater Elevation (feet, AMSL)
LB-10DR	2/14/2022	203.36	45.74	157.62
LB-10DR	7/25/2022	203.36	43.43	159.93
LB-10DR	3/20/2023	203.36	43.28	160.08
LB-10DR	7/25/2023	203.36	43.55	159.81
LB-10DR	2/12/2024	203.36	41.45	161.91
LB-10DR	8/6/2024	203.36	41.80	161.56
LB-10DR	3/18/2025	203.36	41.11	162.25
LB-10DR	7/28/2025	203.36	42.72	160.64
LB-13I	2/14/2022	202.36	31.16	171.20
LB-13I	7/25/2022	202.36	28.80	173.56
LB-13I	3/20/2023	202.36	28.22	174.14
LB-13I	7/25/2023	202.36	27.05	175.31
LB-13I	2/12/2024	202.36	25.65	176.71
LB-13I	8/6/2024	202.36	26.70	175.66
LB-13I	3/18/2025	202.36	26.08	176.28
LB-13I	7/28/2025	202.36	27.70	174.66
LB-13C	2/14/2022	202.68	31.73	170.95
LB-13C	7/25/2022	202.68	29.21	173.47
LB-13C	3/20/2023	202.68	28.62	174.06
LB-13C	7/25/2023	202.68	27.47	175.21
LB-13C	2/12/2024	202.68	26.07	176.61
LB-13C	8/6/2024	202.68	27.12	175.56
LB-13C	3/18/2025	202.68	26.49	176.19
LB-13C	7/28/2025	202.68	28.09	174.59
LB-13D	2/14/2022	202.96	31.62	171.34
LB-13D	7/25/2022	202.96	29.50	173.46
LB-13D	3/20/2023	202.96	28.92	174.04
LB-13D	7/25/2023	202.96	27.77	175.19
LB-13D	2/12/2024	202.96	26.31	176.65
LB-13D	8/6/2024	202.96	27.38	175.58
LB-13D	3/18/2025	202.96	26.71	176.25
LB-13D	7/28/2025	202.96	28.34	174.62

Table D-1
2025 Groundwater Elevation Data
Leichner Landfill

Monitoring Well	Date	Reference Elevation (feet, AMSL)	Depth to Groundwater (feet, BTOC)	Groundwater Elevation (feet, AMSL)
LB-17S	2/14/2022	208.18	Dry	NA
LB-17S	7/25/2022	208.18	32.11	176.07
LB-17S	3/20/2023	208.18	31.54	176.64
LB-17S	7/25/2023	208.18	30.16	178.02
LB-17S	2/12/2024	208.18	28.85	179.33
LB-17S	8/6/2024	208.18	29.83	178.35
LB-17S	3/18/2025	208.18	29.32	178.86
LB-17S	7/28/2025	208.18	30.91	177.27
LB-17I	2/14/2022	212.96	39.58	173.38
LB-17I	7/25/2022	212.96	37.23	175.73
LB-17I	3/20/2023	212.96	36.69	176.27
LB-17I	7/25/2023	212.96	35.35	177.61
LB-17I	2/12/2024	212.96	33.99	178.97
LB-17I	8/6/2024	212.96	35.03	177.93
LB-17I	3/18/2025	212.96	34.37	178.59
LB-17I	7/28/2025	212.96	36.11	176.85
LB-17C	2/14/2022	207.97	33.28	174.69
LB-17C	7/25/2022	207.97	30.93	177.04
LB-17C	3/20/2023	207.97	30.40	177.57
LB-17C	7/25/2023	207.97	29.05	178.92
LB-17C	2/12/2024	207.97	27.66	180.31
LB-17C	8/6/2024	207.97	27.68	180.29
LB-17C	3/18/2025	207.97	28.16	179.81
LB-17C	7/28/2025	207.97	29.80	178.17
LB-17D	2/14/2022	213.17	40.51	172.66
LB-17D	7/25/2022	213.17	38.20	174.97
LB-17D	3/20/2023	213.17	37.66	175.51
LB-17D	7/25/2023	213.17	36.40	176.77
LB-17D	2/12/2024	213.17	35.01	178.16
LB-17D	8/6/2024	213.17	36.00	177.17
LB-17D	3/18/2025	213.17	35.48	177.69
LB-17D	7/28/2025	213.17	37.12	176.05

Table D-1
2025 Groundwater Elevation Data
Leichner Landfill

Monitoring Well	Date	Reference Elevation (feet, AMSL)	Depth to Groundwater (feet, BTOC)	Groundwater Elevation (feet, AMSL)
LB-20S	2/14/2022	221.22	43.45	177.77
LB-20S	7/25/2022	221.22	40.88	180.34
LB-20S	3/20/2023	221.22	39.94	181.28
LB-20S	7/25/2023	221.22	38.43	182.79
LB-20S	2/12/2024	221.22	37.65	183.57
LB-20S	8/6/2024	221.22	37.73	183.49
LB-20S	3/18/2025	221.22	35.63	185.59
LB-20S	7/28/2025	221.22	39.81	181.41
LB-21S	2/14/2022	223.35	40.08	183.27
LB-21S	7/25/2022	223.35	38.77	184.58
LB-21S	3/20/2023	223.35	36.83	186.52
LB-21S	7/25/2023	223.35	35.89	187.46
LB-21S	2/12/2024	223.35	34.78	188.57
LB-21S	8/6/2024	223.35	36.38	186.97
LB-21S	3/18/2025	223.35	35.63	187.72
LB-21S	7/28/2025	223.35	37.56	185.79
LB-21C	2/14/2022	223.32	40.46	182.86
LB-21C	7/25/2022	223.32	39.10	184.22
LB-21C	3/20/2023	223.32	37.35	185.97
LB-21C	7/25/2023	223.32	36.36	186.96
LB-21C	2/12/2024	223.32	35.27	188.05
LB-21C	8/6/2024	223.32	36.81	186.51
LB-21C	3/18/2025	223.32	36.10	187.22
LB-21C	7/28/2025	223.32	37.96	185.36
LB-21D	2/14/2022	223.63	43.38	180.25
LB-21D	7/25/2022	223.63	41.92	181.71
LB-21D	3/20/2023	223.63	40.37	183.26
LB-21D	7/25/2023	223.63	39.61	184.02
LB-21D	2/12/2024	223.63	38.21	185.42
LB-21D	8/6/2024	223.63	40.05	183.58
LB-21D	3/18/2025	223.63	38.95	184.68
LB-21D	7/28/2025	223.63	41.12	182.51

Table D-1
2025 Groundwater Elevation Data
Leichner Landfill

Monitoring Well	Date	Reference Elevation (feet, AMSL)	Depth to Groundwater (feet, BTOC)	Groundwater Elevation (feet, AMSL)
LB-22S	2/17/2021	208.42	8.88	199.54
LB-22S	8/9/2021	208.42	9.82	198.60
LB-22SR	2/12/2024	225.46	20.71	204.75
LB-22SR	8/6/2024	225.46	22.23	203.23
LB-22SR	3/18/2025	225.46	21.88	203.58
LB-22SR	7/28/2025	225.46	23.71	201.75
LB-23S	2/14/2022	229.19	34.63	194.56
LB-23S	7/25/2022	229.19	31.01	198.18
LB-23S	3/20/2023	229.19	31.16	198.03
LB-23S	7/25/2023	229.19	31.75	197.44
LB-23S	2/12/2024	229.19	29.98	199.21
LB-23S	8/6/2024	229.19	30.50	198.69
LB-23S	3/18/2025	229.19	30.66	198.53
LB-23S	7/28/2025	229.19	31.71	197.48
LB-24S	2/14/2022	235.13	39.56	195.57
LB-24S	7/25/2022	235.13	38.61	196.52
LB-24S	3/20/2023	235.13	38.87	196.26
LB-24S	7/25/2023	235.13	39.35	195.78
LB-24S	2/12/2024	235.13	37.91	197.22
LB-24S	8/6/2024	235.13	38.35	196.78
LB-24S	3/18/2025	235.13	38.49	196.64
LB-24S	7/28/2025	235.13	39.39	195.74
LB-26I	2/14/2022	200.22	28.43	171.79
LB-26I	7/25/2022	200.22	26.13	174.09
LB-26I	3/20/2023	200.22	25.53	174.69
LB-26I	7/25/2023	200.22	24.28	175.94
LB-26I	2/12/2024	200.22	22.91	177.31
LB-26I	8/6/2024	200.22	24.02	176.20
LB-26I	3/18/2025	200.22	23.39	176.83
LB-26I	7/28/2025	200.22	25.02	175.20

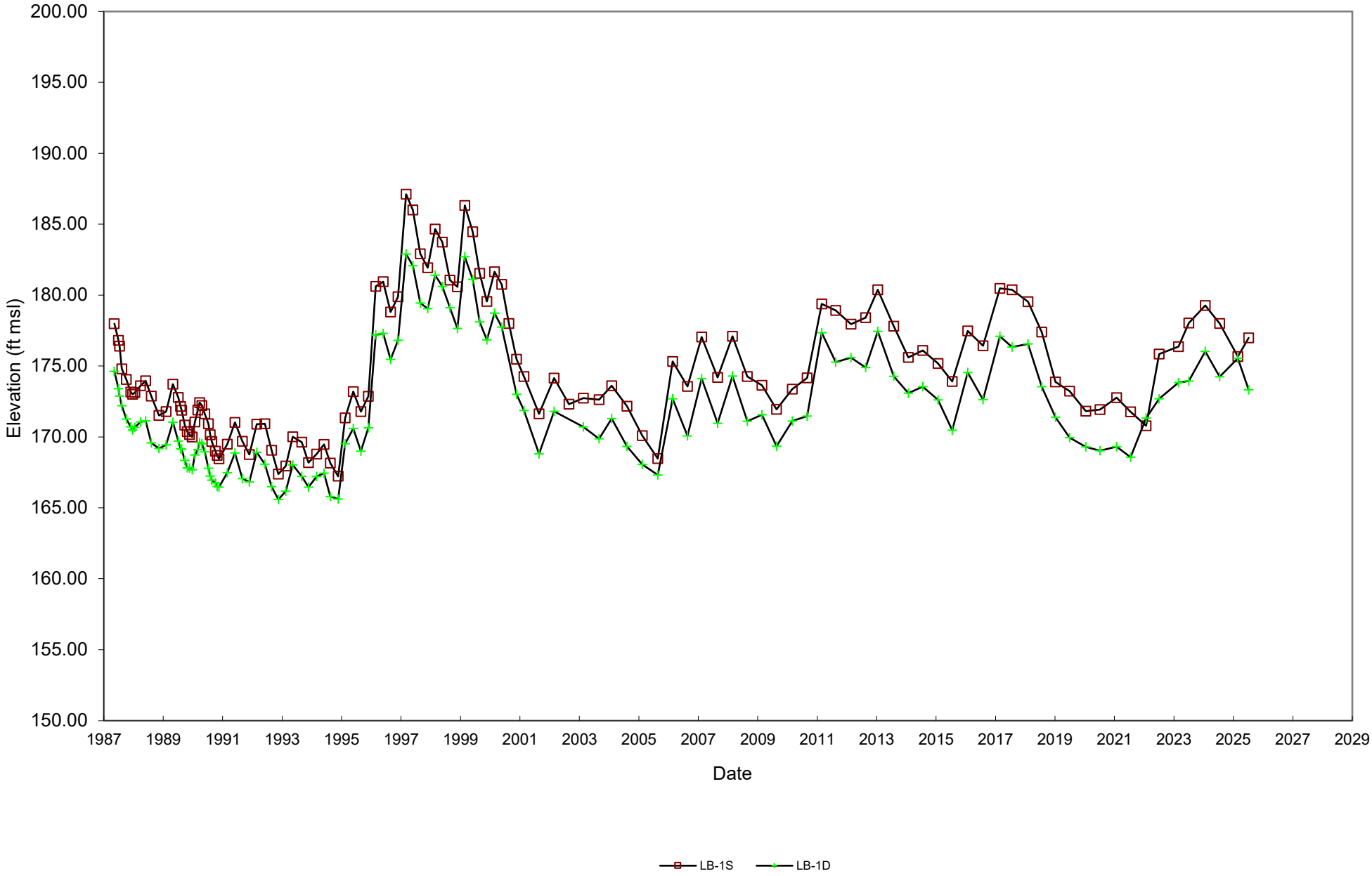
Table D-1
2025 Groundwater Elevation Data
Leichner Landfill

Monitoring Well	Date	Reference Elevation (feet, AMSL)	Depth to Groundwater (feet, BTOC)	Groundwater Elevation (feet, AMSL)
LB-26D	2/14/2022	200.75	29.41	171.34
LB-26D	7/25/2022	200.75	25.92	174.83
LB-26D	3/20/2023	200.75	25.29	175.46
LB-26D	7/25/2023	200.75	24.05	176.70
LB-26D	2/12/2024	200.75	22.57	178.18
LB-26D	8/6/2024	200.75	23.75	177.00
LB-26D	3/18/2025	200.75	23.11	177.64
LB-26D	7/28/2025	200.75	24.79	175.96
LB-27I	2/14/2022	205.35	36.42	168.93
LB-27I	7/25/2022	205.35	32.13	173.22
LB-27I	3/20/2023	205.35	31.60	173.75
LB-27I	7/25/2023	205.35	30.50	174.85
LB-27I	2/12/2024	205.35	29.02	176.33
LB-27I	8/6/2024	205.35	30.07	175.28
LB-27I	3/18/2025	205.35	29.37	175.98
LB-27I	7/28/2025	205.35	31.05	174.30
LB-27D	2/14/2022	204.63	40.61	164.02
LB-27D	7/25/2022	204.63	38.51	166.12
LB-27D	3/20/2023	204.63	37.83	166.80
LB-27D	7/25/2023	204.63	37.98	166.65
LB-27D	2/12/2024	204.63	36.03	168.60
LB-27D	8/6/2024	204.63	36.91	167.72
LB-27D	3/18/2025	204.63	36.10	168.53
LB-27D	7/28/2025	204.63	37.95	166.68
MW-NE	2/14/2022	220.06	16.31	203.75
MW-NE	7/25/2022	220.06	14.14	205.92
MW-NE	3/20/2023	220.06	13.86	206.20
MW-NE	7/25/2023	220.06	14.90	205.16
MW-NE	2/12/2024	220.06	12.61	207.45
MW-NE	8/6/2024	220.06	13.66	206.40
MW-NE	3/18/2025	220.06	13.44	206.62
MW-NE	7/28/2025	220.06	NA	---

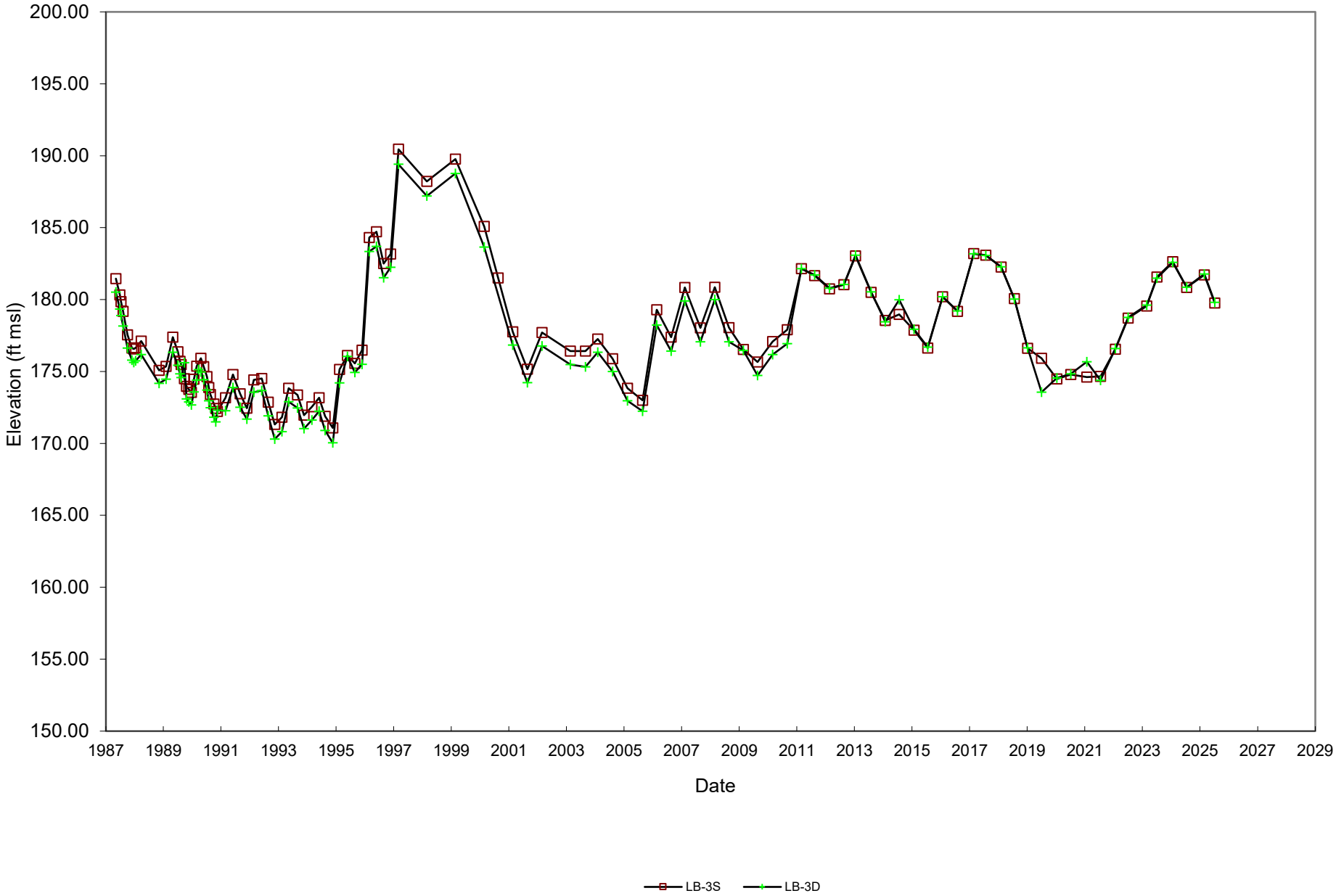
Notes: LB-9S and LB-22S were abandoned in July 2021 in preparation for a street extension across the northern portion of the landfill. Both wells were re-installed in 2024.

AMSL = above mean sea level
BTOC = below top of casing
NA = not applicable.

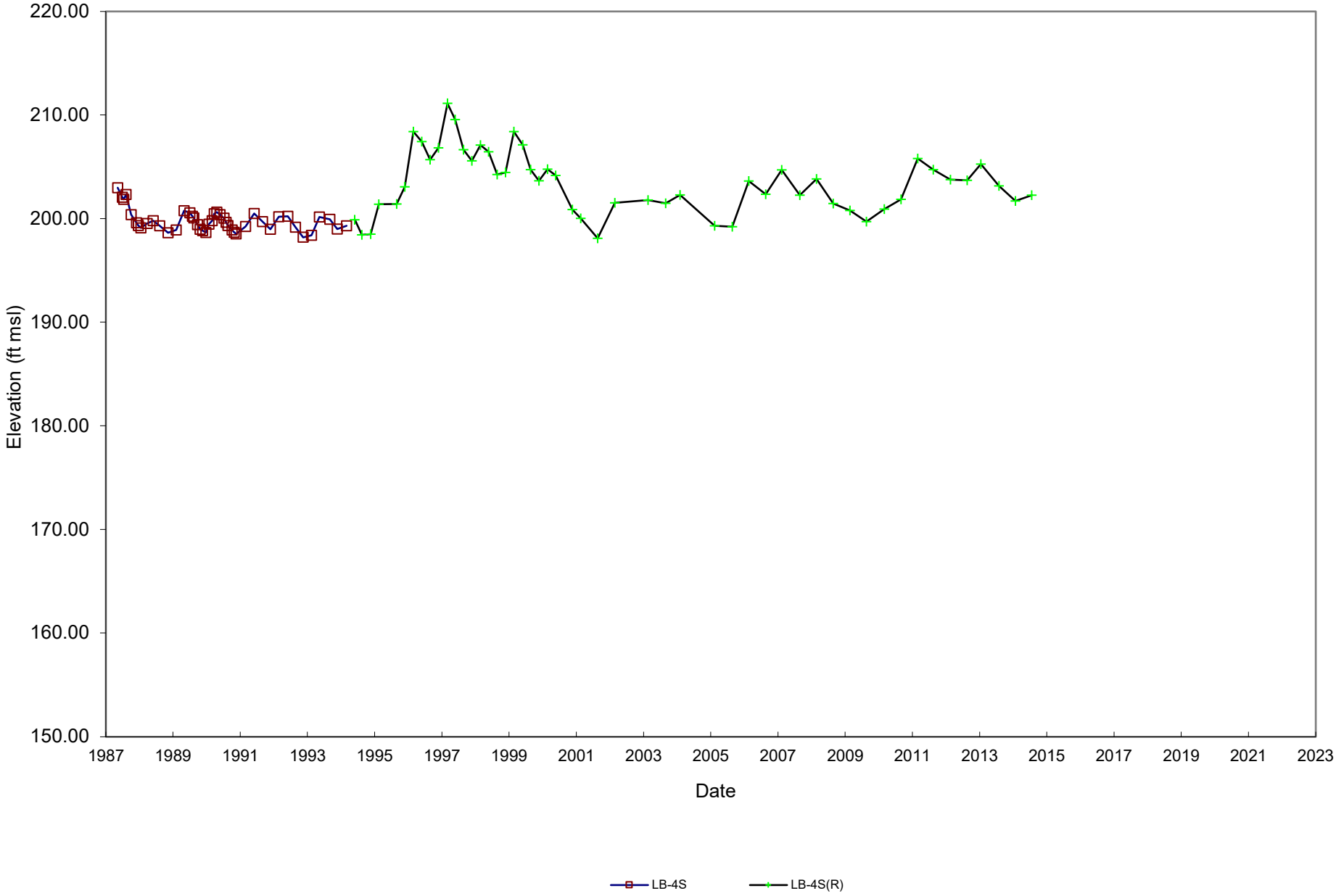
LB-1S and LB-1D Hydrographs
Leichner Landfill



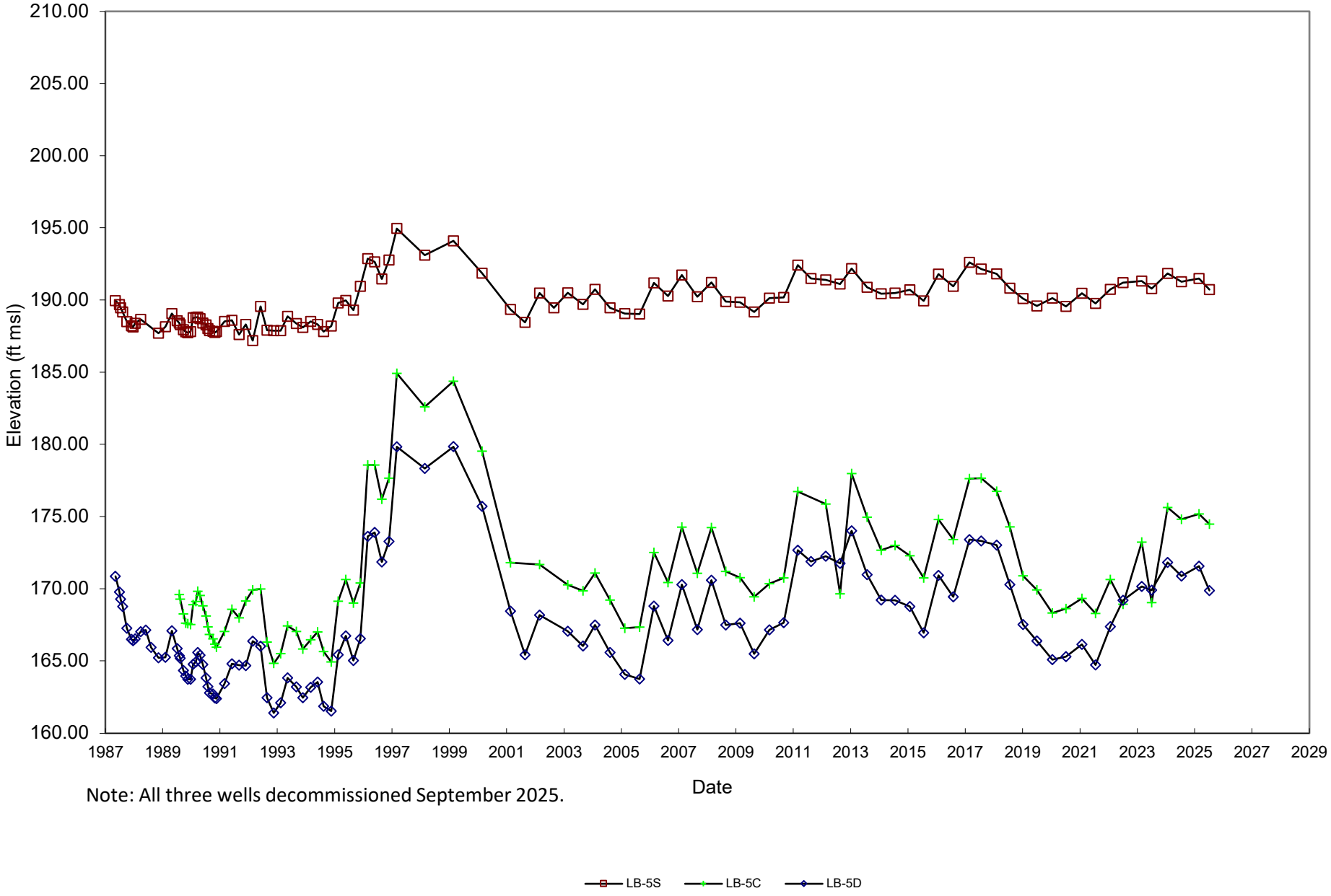
LB-3S and LB-3D Hydrographs
Leichner Landfill



LB-4s, and LB-4S(R)Hydrographs
Leichner Landfill

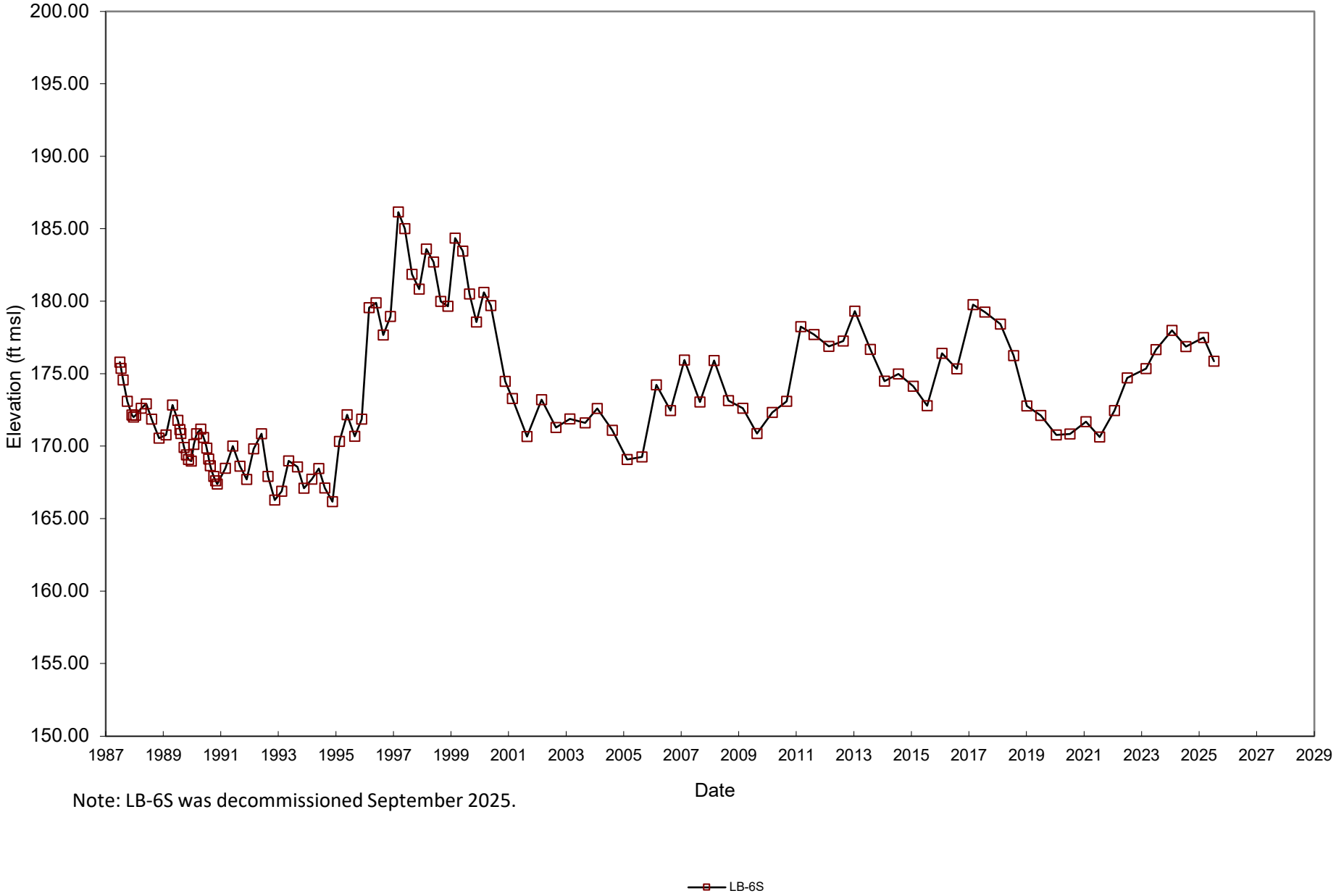


LB 5S, LB-5C, and LB-5D Hydrographs
Leichner Landfill



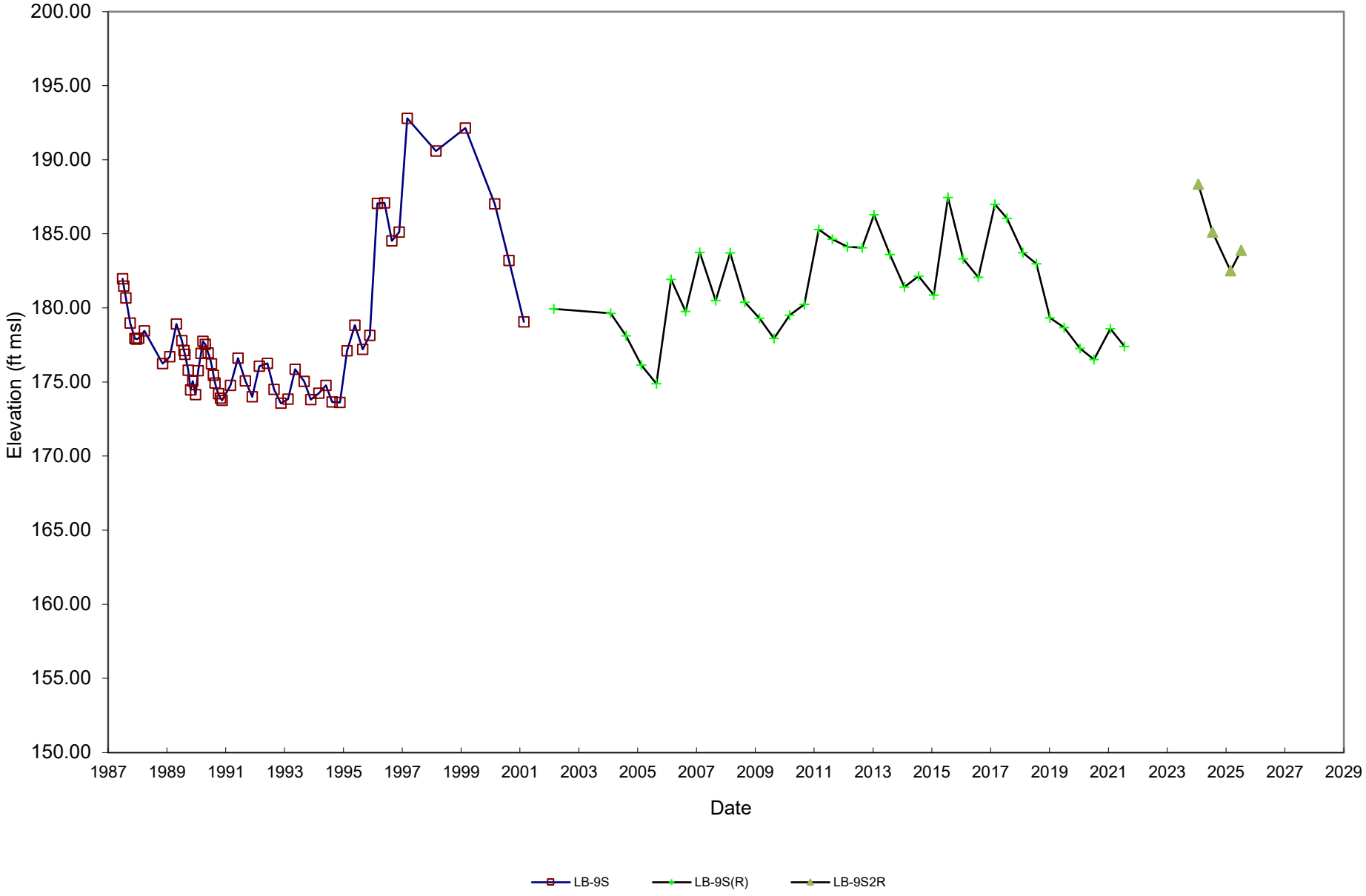
Note: All three wells decommissioned September 2025.

LB-6S Hydrograph
Leichner Landfill

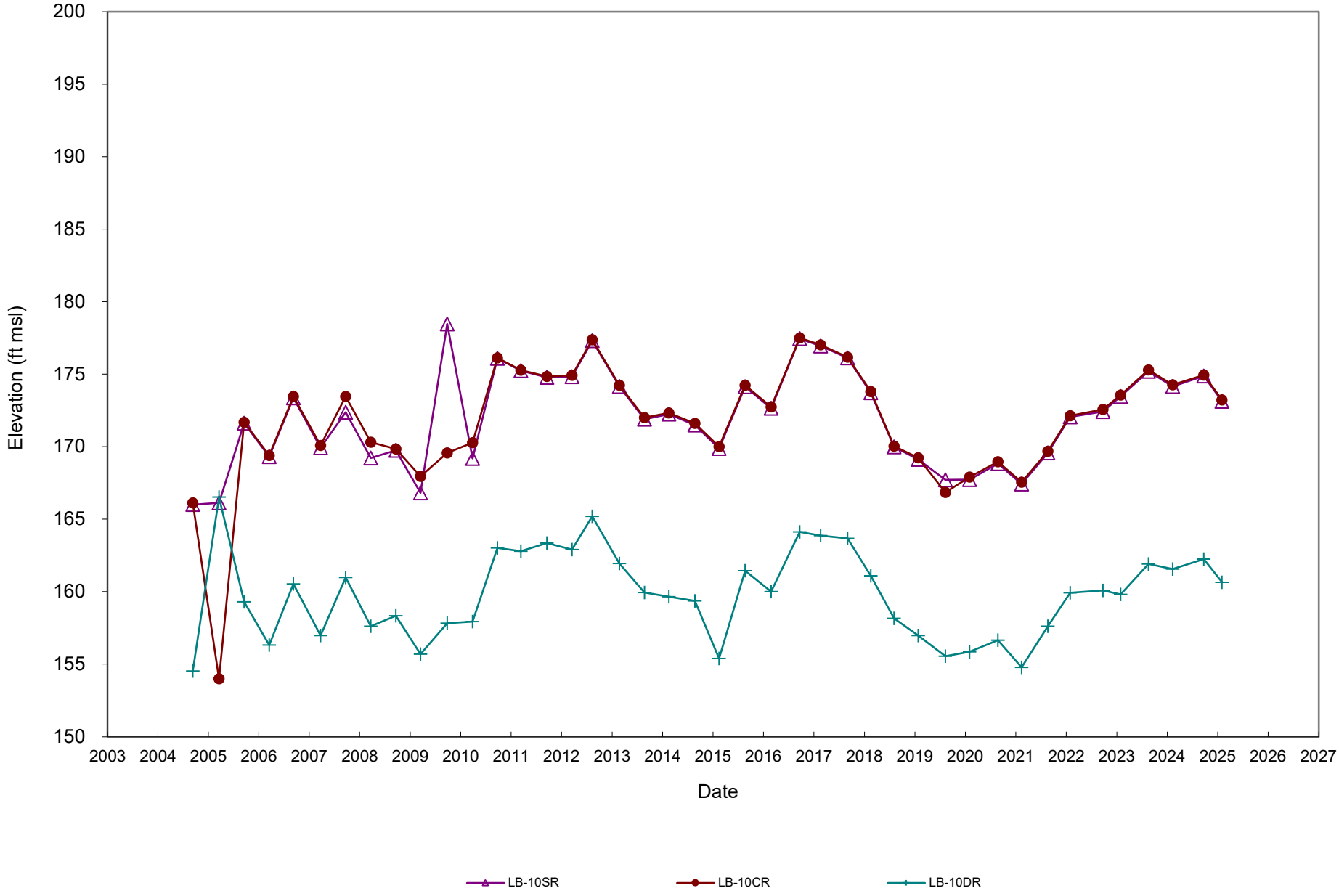


Note: LB-6S was decommissioned September 2025.

LB-9s, LB-9S(R), and LB-9S2R Hydrographs
Leichner Landfill



LB-10SR, LB-10CR, and LB-10DR Hydrographs
Leichner Landfill



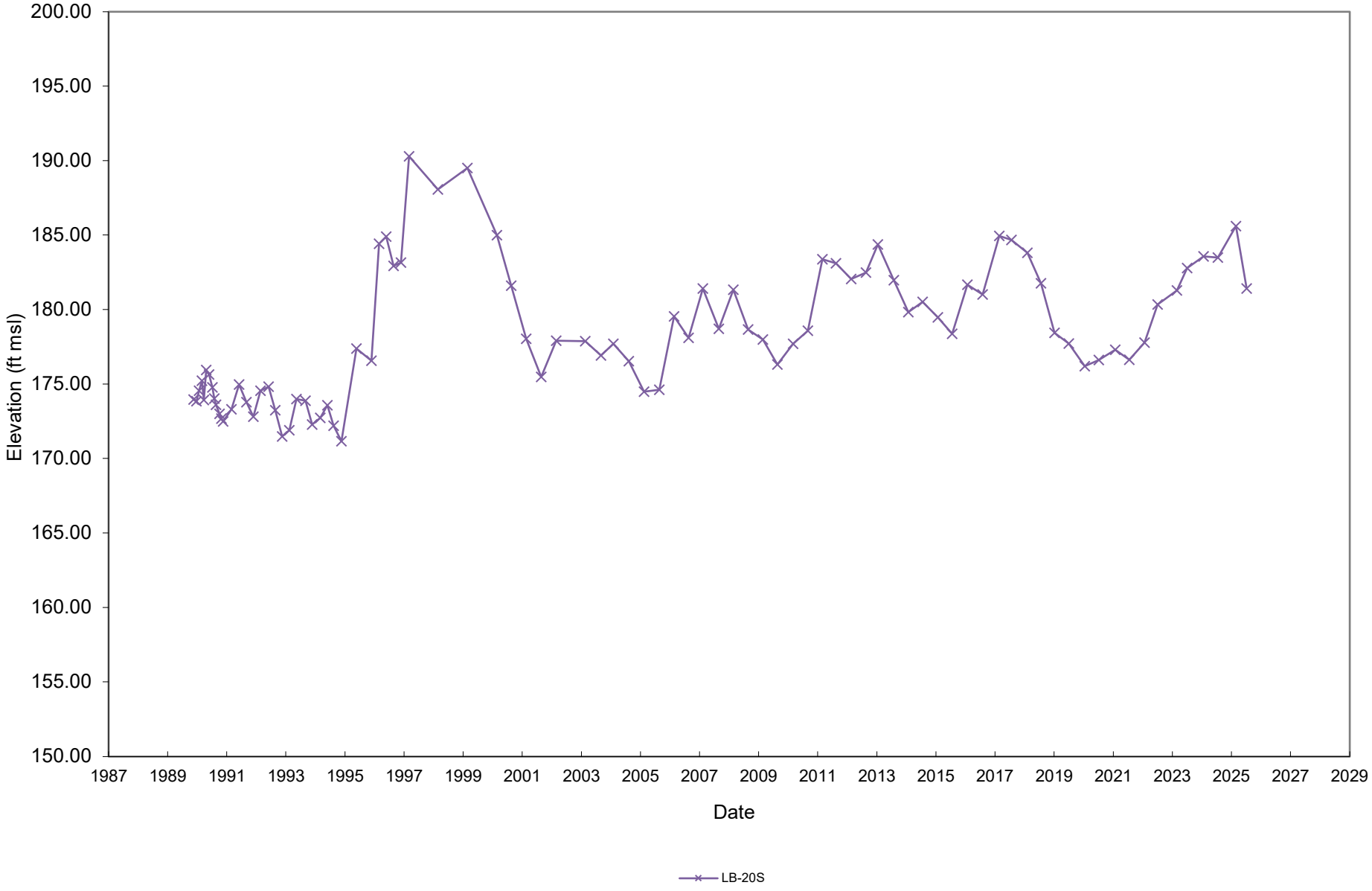
LB-13I, LB-13C, and LB-13D Hydrographs
Leichner Landfill



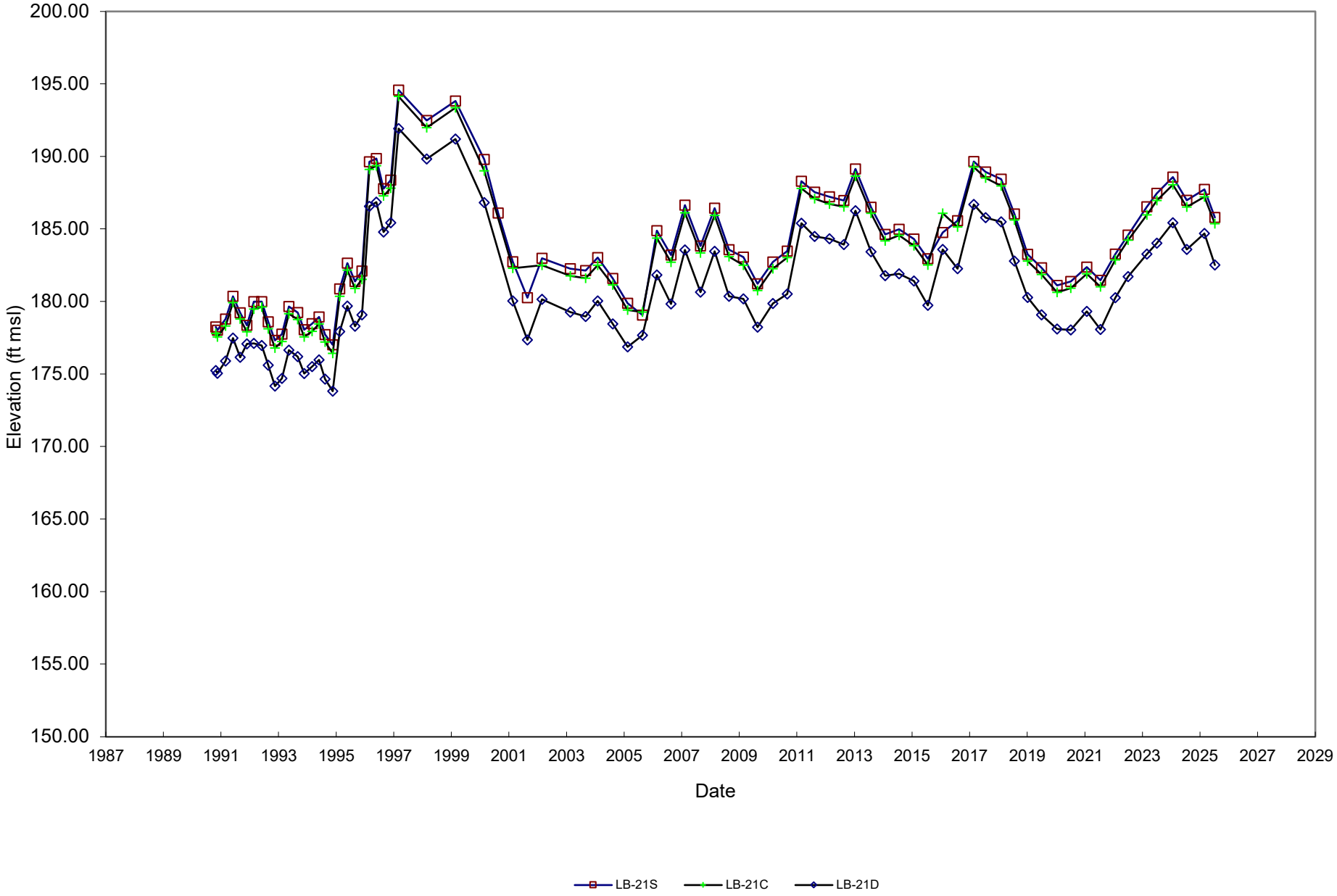
LB-17I and LB-17D Hydrographs
Leichner Landfill



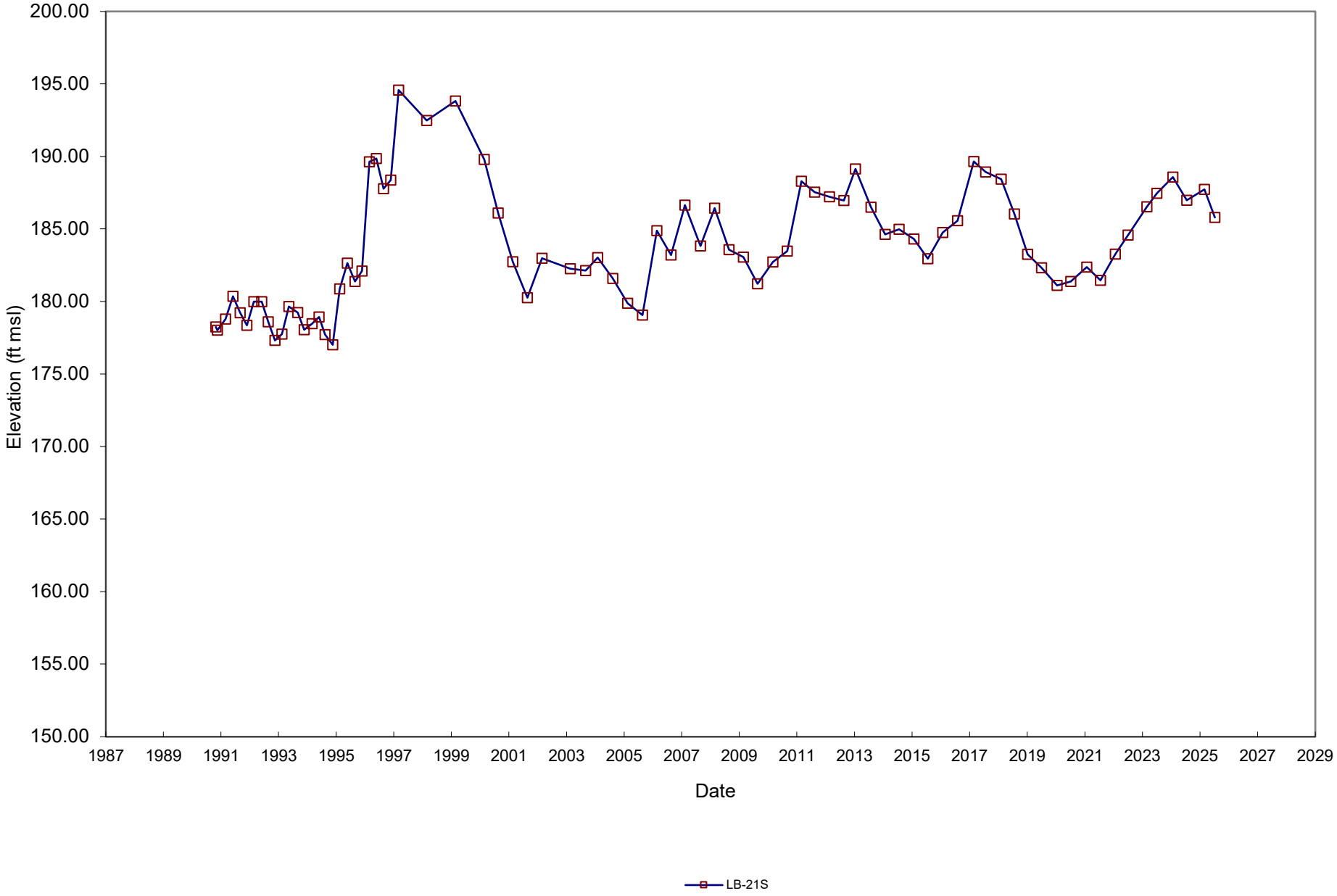
LB-20S Hydrograph
Leichner Landfill

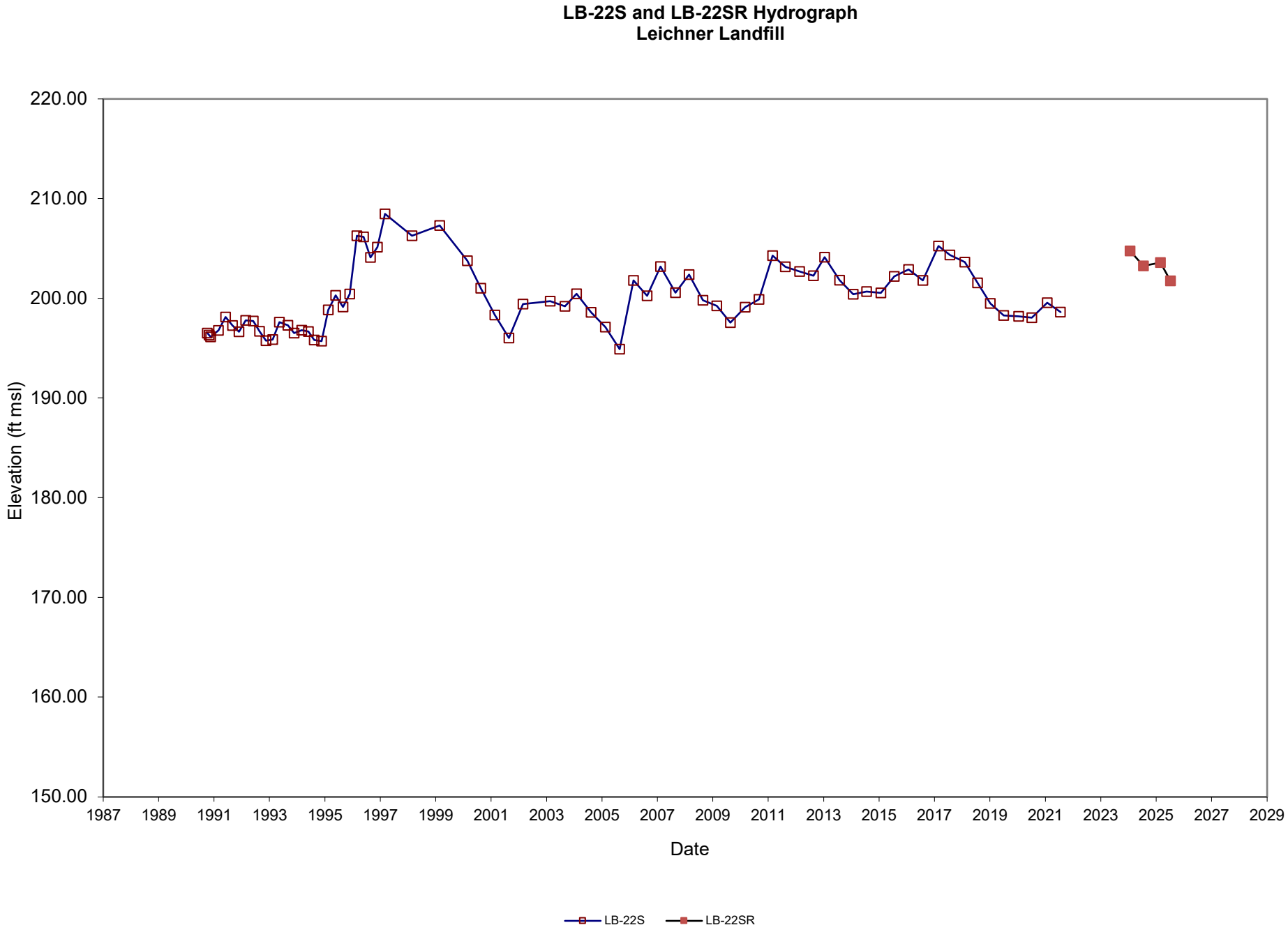


LB-21S, LB-21C, and LB-21D Hydrographs
Leichner Landfill

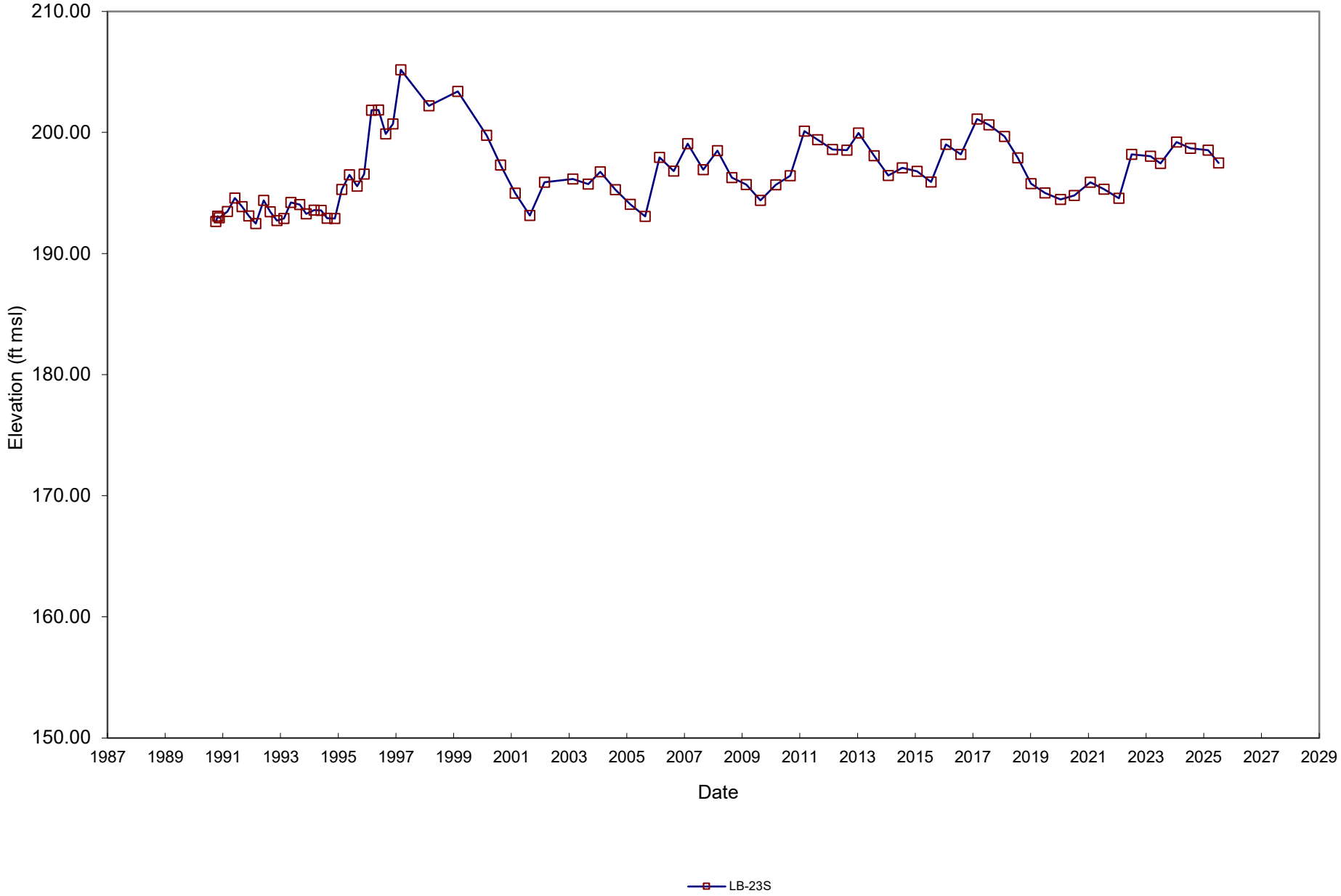


LB-21S Hydrograph
Leichner Landfill

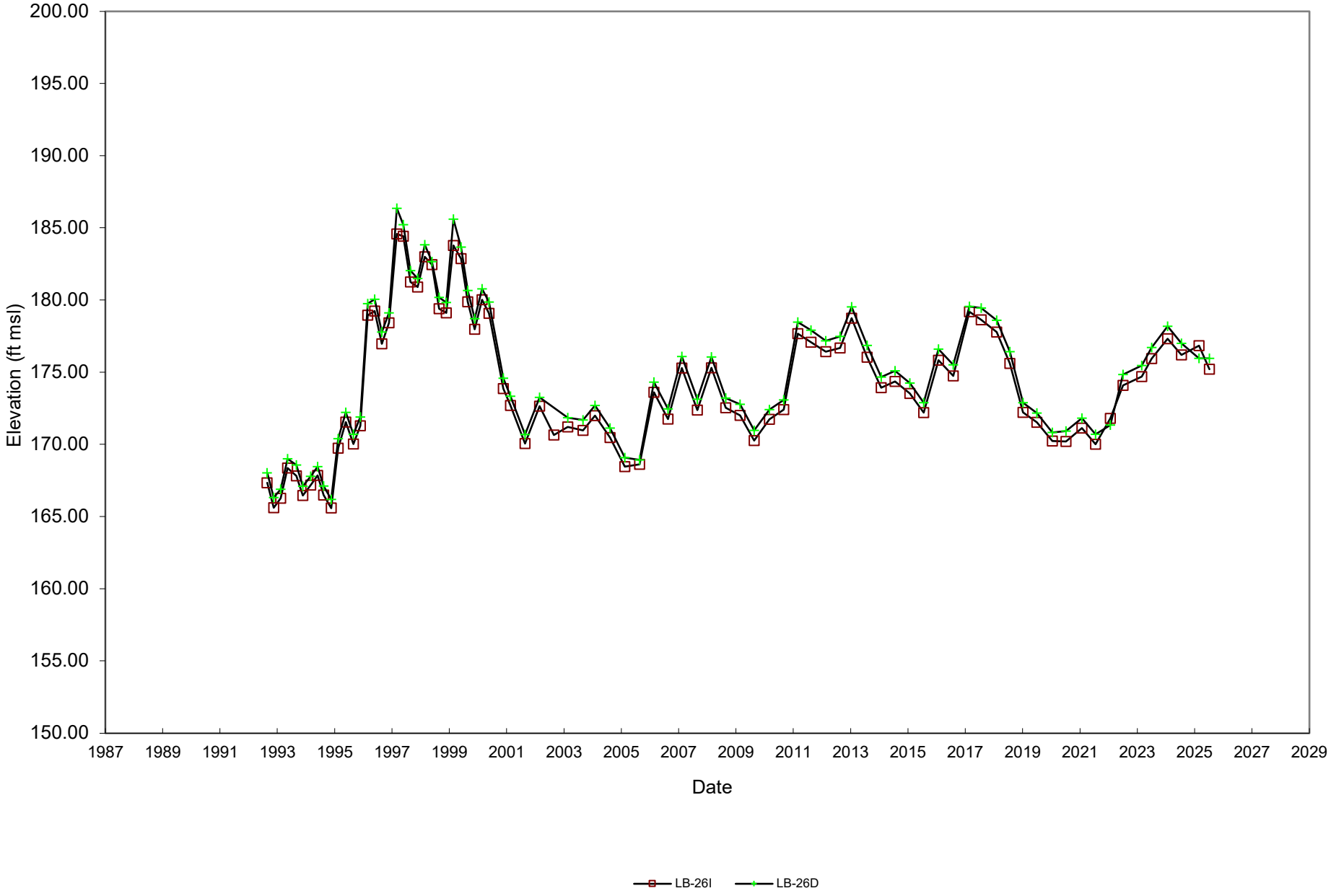



LB-22S and LB-22SR Hydrograph
Leichner Landfill
220.00
210.00
200.00
190.00
180.00
170.00
160.00
150.00
Elevation (ft msl)
1987
1989
1991
1993
1995
1997
1999
2001
2003
2005
2007
2009
2011
2013
2015
2017
2019
2021
2023
2025
2027
2029
Date
LB-22S
LB-22SR

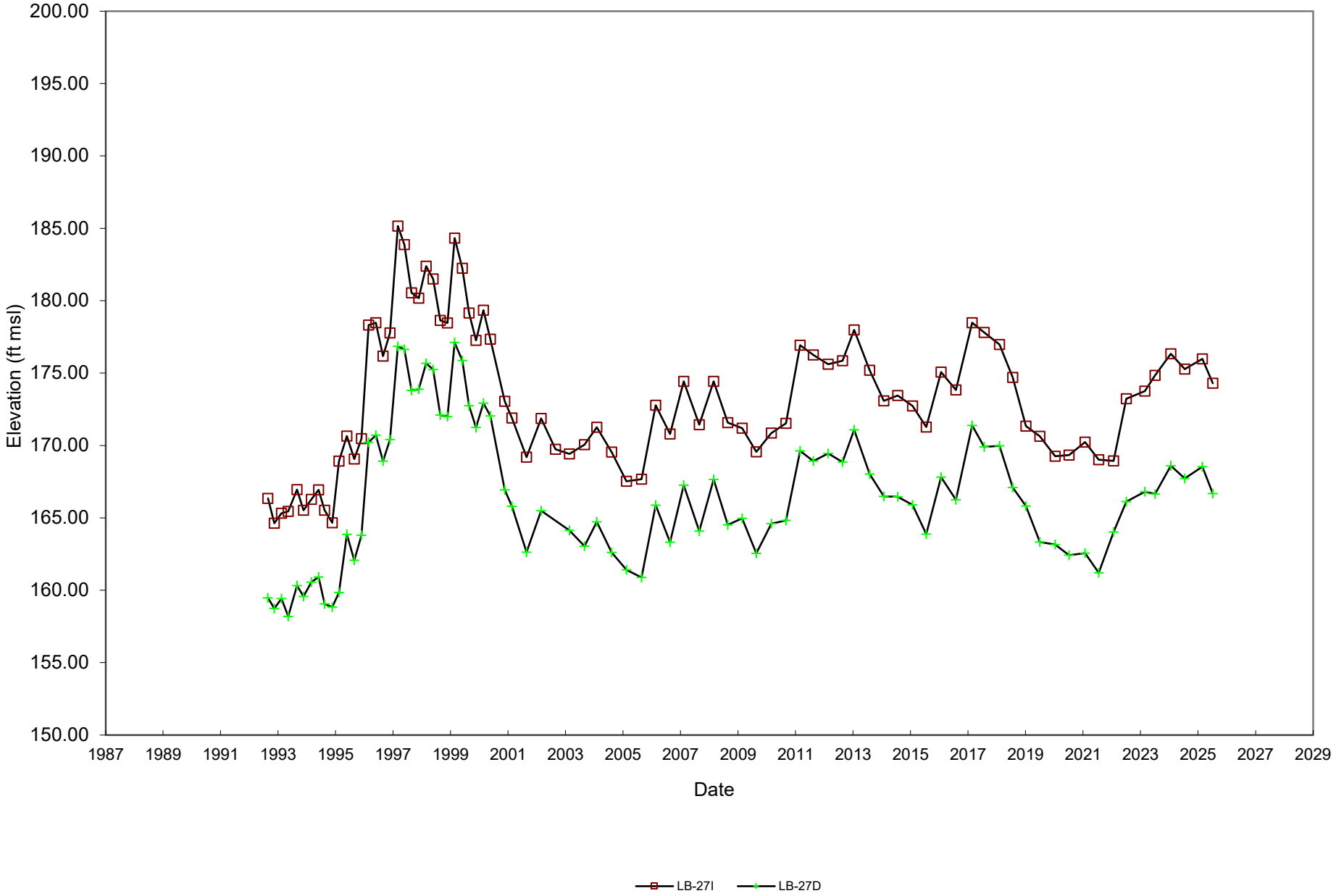
LB-23S Hydrograph
Leichner Landfill



LB-26I and LB-26D Hydrographs
Leichner Landfill



LB-27I and LB-27D Hydrographs
Leichner Landfill



APPENDIX E

Quality Assurance/Quality Control Reviews of 2025 Laboratory Analytical Data

First Quarter (March) 2025 QA/QC Reviews

SCS Engineers QA/QC Review
Groundwater – First Semiannual 2025 Groundwater Monitoring Event
Leichner Brothers Landfill
Eurofins Environmental Testing-Denver Report #K2502863

Samples: LB-031825-01-6S, LB-031825-02-DUP, LB-031825-03-5S, LB-031825-04-FB1, LB-031825-05-5D, TB1.

Sample Date: 03/18/2025
Laboratory Sample Received Date: 03/19/2025
Sample Temperature on arrival at laboratory: 4.4 and 5.2°C
Preliminary Laboratory Data Received Date: 03/26/2025
QA/QC Review Date: 04/07/2025 (SC)

Volatile Organic Compounds

Method Blanks	All ND. All surrogate % recoveries within control limits.
LCS	All % recoveries within QC limits except dichlorodifluoromethane in LCS KQ2504816-03 (* flag). This is noted and qualified for in the case narrative.
LCSD	All % recoveries within QC limits except dichlorodifluoromethane in LCSD KQ2504816-04 (* flag). All RPDs within control limits. This is noted and qualified for in the case narrative.

Dissolved Metals

Method Blanks	All ND.
LCS	All % recoveries within QC limits.
Matrix Spikes	All spike % recoveries within QC limits.
MSD	All calculated RPDs within QC limits.

General Chemistry

Method Blanks	All ND.
LCS	All % recoveries within QC limits.

Hold Times
All other holding times were met.

Reporting Limit Exceedances
All analytical RLs met the addendum-required limits.

Field QA/QC
Field
A field duplicate (LB-031825-04-FB1) was collected at LB-5S on 03/18/2025. All analytes are non-detect except for bromodichloromethane (1.7 ug/L) and chloroform (17 ug/L).

Duplicates
A field duplicate (LB-031825-02-DUP) was collected at LB-6S on 03/18/2025. All RPDs are within 20% except for dissolved manganese (23.68%), however, the difference in analyte concentrations is less than 5x the RL. Reanalysis is not required.

Data Quality Review (DQR)
None.

Notes
None.

Data Validation

Upon review of the preliminary data presented in lab report # K250863 *for Capitol Disposal Landfill, SCS Engineers finds the data to be valid for its intended use* ***(04/07/2025; SC)***.

SCS Engineers QA/QC Review
Groundwater – First Semiannual 2025 Groundwater Monitoring Event
Leichner Brothers Landfill
Eurofins Environmental Testing-Denver Report #K2502919

Samples: LB-031925-01-17S, LB-031925-02-DUP2, LB-031925-03-17D, LB-031925-04-17I, LB-031925-05-27D, LB-031925-06-13D, LB-031925-07-FB2, LB-031925-08-13I, LB-031925-09-EB1, TB1.

Sample Date: 03/19/2025
Laboratory Sample Received Date: 03/20/2025
Sample Temperature on arrival at laboratory: 1.5°C
Preliminary Laboratory Data Received Date: 03/28/2025
QA/QC Review Date: 04/07/2025 (SC)

Volatile Organic Compounds

Method Blanks	All ND. All surrogate % recoveries within control limits.
LCS	All % recoveries within QC limits.
LCSD	All % recoveries within QC limits. All RPDs within control limits.

Dissolved Metals

Method Blanks	All ND.
LCS	All % recoveries within QC limits.

General Chemistry

Method Blanks	All ND.
LCS	All % recoveries within QC limits.
Matrix Spike	All % recoveries within QC limits.
MSD	All % recoveries within QC limits. All RPDs within QC limits.
Duplicates	All RPDs within QC limits.

Hold Times
All other holding times were met.

Reporting Limit Exceedances
All analytical RLs met the addendum-required limits.

Field QA/QC
Field
A field duplicate (LB-031925-07-FB2) was collected on 03/19/2025 near LB-13D. All analytes are non-detect except for bromodichloromethane (1.8 ug/L) and chloroform (17 ug/L).

Duplicates
A field duplicate (LB-031925-02-DUP2) was collected near (LB-17S) on 03/19/2025. All RPDs are within 20%.

Data Quality Review (DQR)
None.

Notes
None.

Data Validation
Upon review of the preliminary data presented in lab report # K250919 *for Capitol Disposal Landfill, SCS Engineers finds the data to be valid for its intended use* ***(04/07/2025; SC)****.*

SCS Engineers QA/QC Review
Groundwater – First Semiannual 2025 Groundwater Monitoring Event
Leichner Brothers Landfill
Eurofins Environmental Testing-Denver Report #K2502962

Samples: LB-032025-01-3D, LB-032025-02-DUP3, LB-032025-03-3S, LB-032025-04-20S, LB-032025-05-FB3, TB1.

Sample Date: 03/20/2025
Laboratory Sample Received Date: 03/21/2025
Sample Temperature on arrival at laboratory: 2.2°C
Preliminary Laboratory Data Received Date: 03/31/2025
QA/QC Review Date: 04/07/2025 (SC)

Volatile Organic Compounds

Method Blanks	All ND. All surrogate % recoveries within control limits.
LCS	All % recoveries within QC limits except bromomethane (* flag), chloroethane (* flag), and dichlorodifluoromethane (* flag), trichlorofluoromethane (* flag) in LCS KQ2505144-03. This is noted and qualified for in the case narrative.
LCSD	All % recoveries within QC limits except bromomethane (* flag), chloroethane (* flag), and dichlorodifluoromethane (* flag), trichlorofluoromethane (* flag) in LCSD KQ2505144-04. All RPDs within control limits. This is noted and qualified for in the case narrative.

Dissolved Metals

Method Blanks	All ND.
LCS	All % recoveries within Qc limits.
Matrix Spike	All % recoveries within QC limits.
Duplicate	All RPDs within QC limits.

General Chemistry

Method Blanks	All ND.
LCS	All % recoveries within QC limits.
Matrix Spike	All % recoveries within QC limits.
MSD	All % recoveries within QC limits. All RPDs within QC limits.
Duplicates	All RPDs within QC limits.

Hold Times
All other holding times were met.

Reporting Limit Exceedances
All analytical RLs met the addendum-required limits.

Field QA/QC
Field
A field duplicate (LB-032025-05-FB3) was collected in the field near LB-20S on 03/20/2025. All analytes are non-detect except for chloroform (0.53 ug/L).

Duplicates
A field duplicate (LB-032025-02-DUP3) was collected near LB-3D on 03/20/2025. All RPDs within 20%.

Data Quality Review (DQR)
None.

Notes
None.

Data Validation
Upon review of the preliminary data presented in lab report # K2502962 *for Capitol Disposal Landfill, SCS Engineers finds the data to be valid for its intended use* ***(04/07/2025; SC)***.

SCS Engineers QA/QC Review
Groundwater – First Semiannual 2025 Groundwater Monitoring Event
Leichner Brothers Landfill
Eurofins Environmental Testing-Denver Report #K2503150

Samples: LB-032625-04-1D, LB-032625-03-1S, LB-032625-02-10DR, LB-032625-01-10SR, LB-032625-05-26D, LB-032625-06-26I, LB-032625-0727I, Trip Blank.

Sample Date: 03/26/2025
Laboratory Sample Received Date: 03/27/2025
Sample Temperature on arrival at laboratory: 1.0 and 3.0°C
Preliminary Laboratory Data Received Date: 03/27/2025
QA/QC Review Date: 04/07/2025 (SC)

Volatile Organic Compounds

Method Blanks	All ND. All surrogate % recoveries within control limits.
LCS	All % recoveries within QC limits.
LCSD	All % recoveries within QC limits. All RPDs within control limits.

Dissolved Metals

Method Blanks	All ND.
LCS	All % recoveries within Qc limits.

General Chemistry

Method Blanks	All ND.
LCS	All % recoveries within QC limits.
Matrix Spike	All % recoveries within QC limits.
MSD	All % recoveries within QC limits. All RPDs within QC limits.
Duplicates	All RPDs within QC limits.

Hold Times
All other holding times were met.

Reporting Limit Exceedances
All analytical RLs met the addendum-required limits.

Field QA/QC
None.

Data Quality Review (DQR)
None.

Notes
None.

Data Validation
Upon review of the preliminary data presented in lab report # K2503150 *for Capitol Disposal Landfill, SCS Engineers finds the data to be valid for its intended use* ***(04/07/2025; SC)****.*

Third Quarter (July) Laboratory Reports

SCS Engineers QA/QC Review
Groundwater - 3Q 2025 Groundwater Monitoring Event
Leichner Brothers Landfill
ALS Environmental Lab Report No. K2507465

Samples: LB-5S (LB-072825-01-5S), FB (LB-072825-02-FB), LB-6S (LB-072825-03-6S), LB-26I (LB-072825-04-26I), LB-13I (LB-072825-05-13I), TB1

Sample Date: 07/28/2025
Laboratory Sample Received Date: 07/29/2025
Sample Receipt Temperature: 2.2ºC
Laboratory Data Received Date: 08/11/2025
QA/QC Review Date: 08/25/2025 (JM)

VOCs

Method Blanks	All analytes were reported as non-detect.
Surrogates	All sample surrogates were within QC limits except dibromofluoromethane in samples FB and 6S. This is noted and qualified for in the case narrative.
LCS	All % recoveries were within QC limits
LCSD	All RPDs were within QC limits.

Dissolved Metals

Method Blanks	All analytes were reported as non-detect.
LCS	All % recoveries were within control limits.

General Chemistry

Method Blanks	All analytes were reported as non-detect.
LCS	All % recoveries within control limits.

Hold Times
All analytical hold times were met.

Reporting Limit Exceedances
All project-specific reporting limits were met.

Field QA/QC
Trip Blank
A laboratory supplied trip blank (TB1) was carried into the field on 07/28/2025 with all samples collected on the same date and returned to the lab for volatile organic compound (VOC) analysis. All trip blank analytes were reported as non-detect.

DQR
None.

Notes

Data Validation
Upon preliminary review of lab report K2507463 for Leichner Landfill, SCS Engineers finds the data are valid for their intended use (08/25/2025;JM).

SCS Engineers QA/QC Review
Groundwater - 3Q 2025 Groundwater Monitoring Event
Leichner Brothers Landfill
ALS Environmental Lab Report No. K2507505

Samples: LB-17S (LB-072925-01-17S), LB-1S (LB-072925-01-1S), LB-10SR (LB-072925-03-10SR), LB-27I (LB-072925-04-27I), DUP (LB-072925-05-DUP), TB2

Sample Date: 07/29/2025
Laboratory Sample Received Date: 07/30/2025
Sample Receipt Temperature: 3.0°C
Laboratory Data Received Date: 08/12/2025
QA/QC Review Date: 08/25/2025 (JM)

VOCs

Method Blanks	All analytes were reported as non-detect.
Surrogates	All sample surrogates were within QC limits except dibromofluoromethane in sample 10SR. This is noted and qualified for in the case narrative.
LCS	All % recoveries were within QC limits except bromomethane (* flag) in batch KQ2514070-03. This is noted and qualified for in the case narrative.
LCSD	All RPDs were within QC limits.

Dissolved Metals

Method Blanks	All analytes were reported as non-detect.
LCS	All % recoveries were within control limits.

General Chemistry

Method Blanks	All analytes were reported as non-detect.
LCS	All % recoveries within control limits.

Hold Times
All analytical hold times were met.

Reporting Limit Exceedances
All project-specific reporting limits were met.

Field QA/QC
Field Duplicate
A field duplicate sample LB-072925-05-DUP (LB-DUP) was collected at monitoring well LB-27I (LB-072925-04-27I) on 07/29/2025. All calculated RPDs were within 20%.

Trip Blank
A laboratory supplied trip blank (TB2) was carried into the field on 07/29/2025 with all samples collected on the same date and returned to the lab for volatile organic compound (VOC) analysis. All trip blank analytes were reported as non-detect.

DQR
None.

Notes

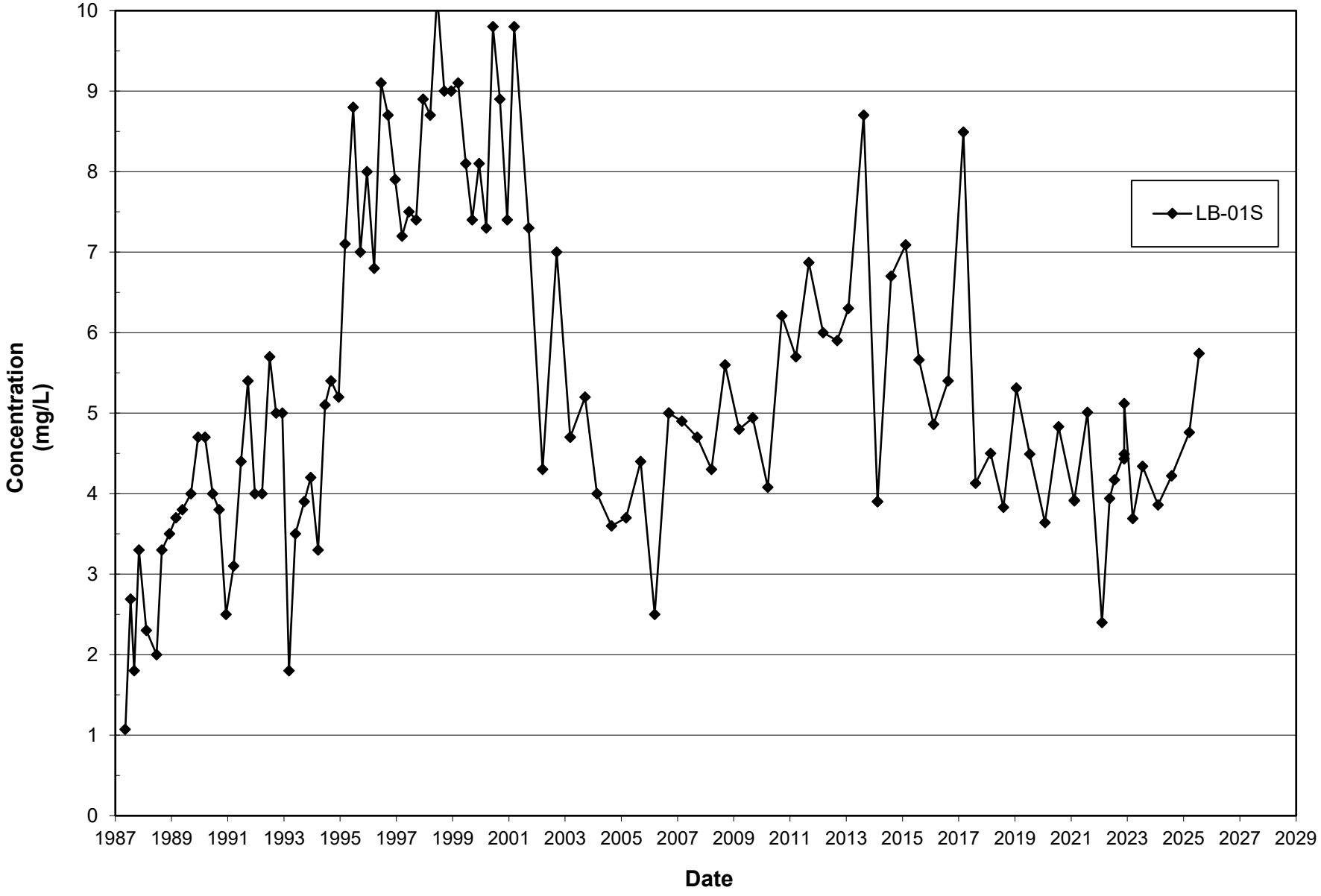
Data Validation
Upon preliminary review of lab report K2507505 for Leichner Landfill, SCS Engineers finds the data are valid for their intended use (08/25/2025;JM).

APPENDIX F

Groundwater Time-Concentration Graphs

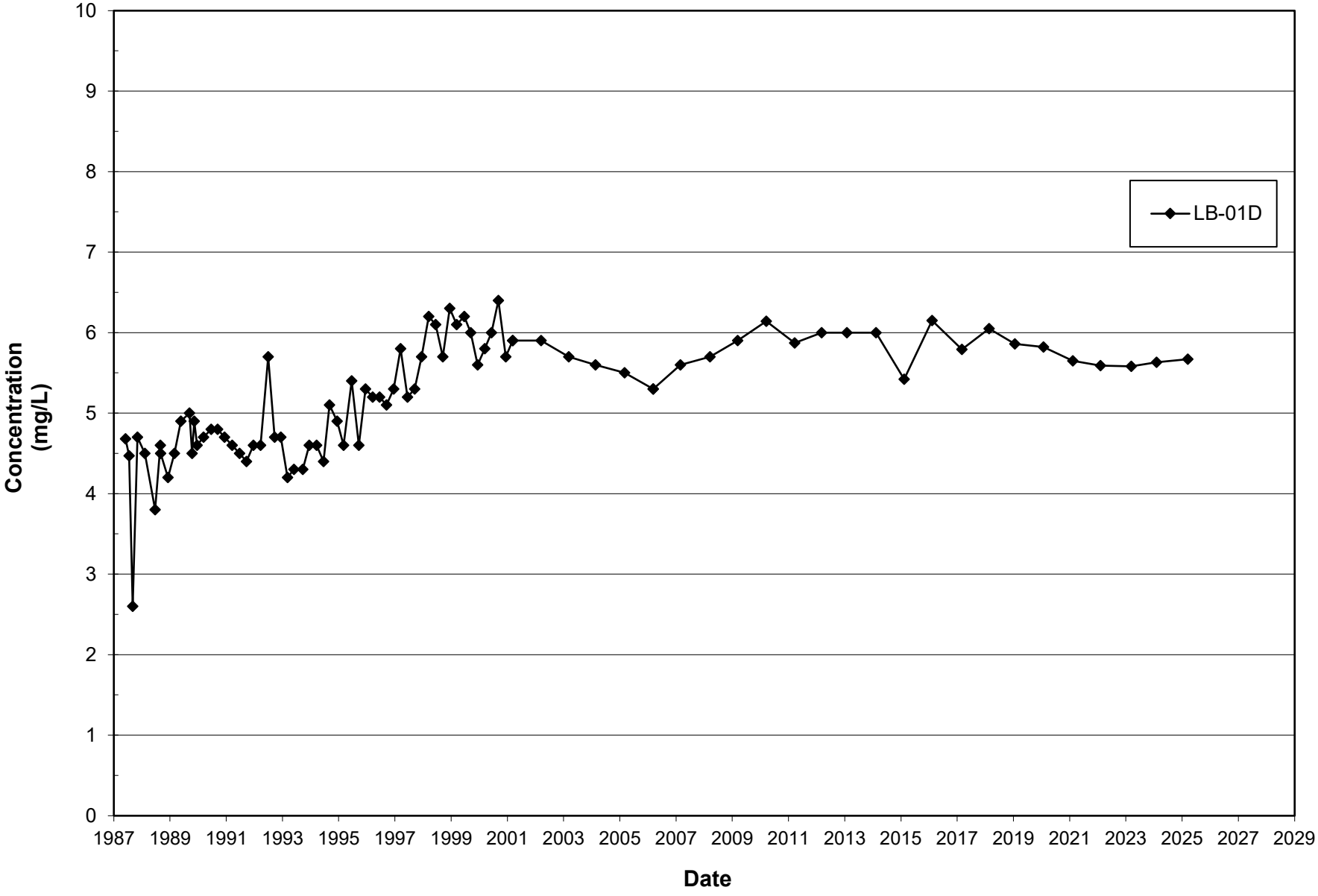
Nitrate

Leichner Landfill
Nitrate, LB-01S
1987 - 2025



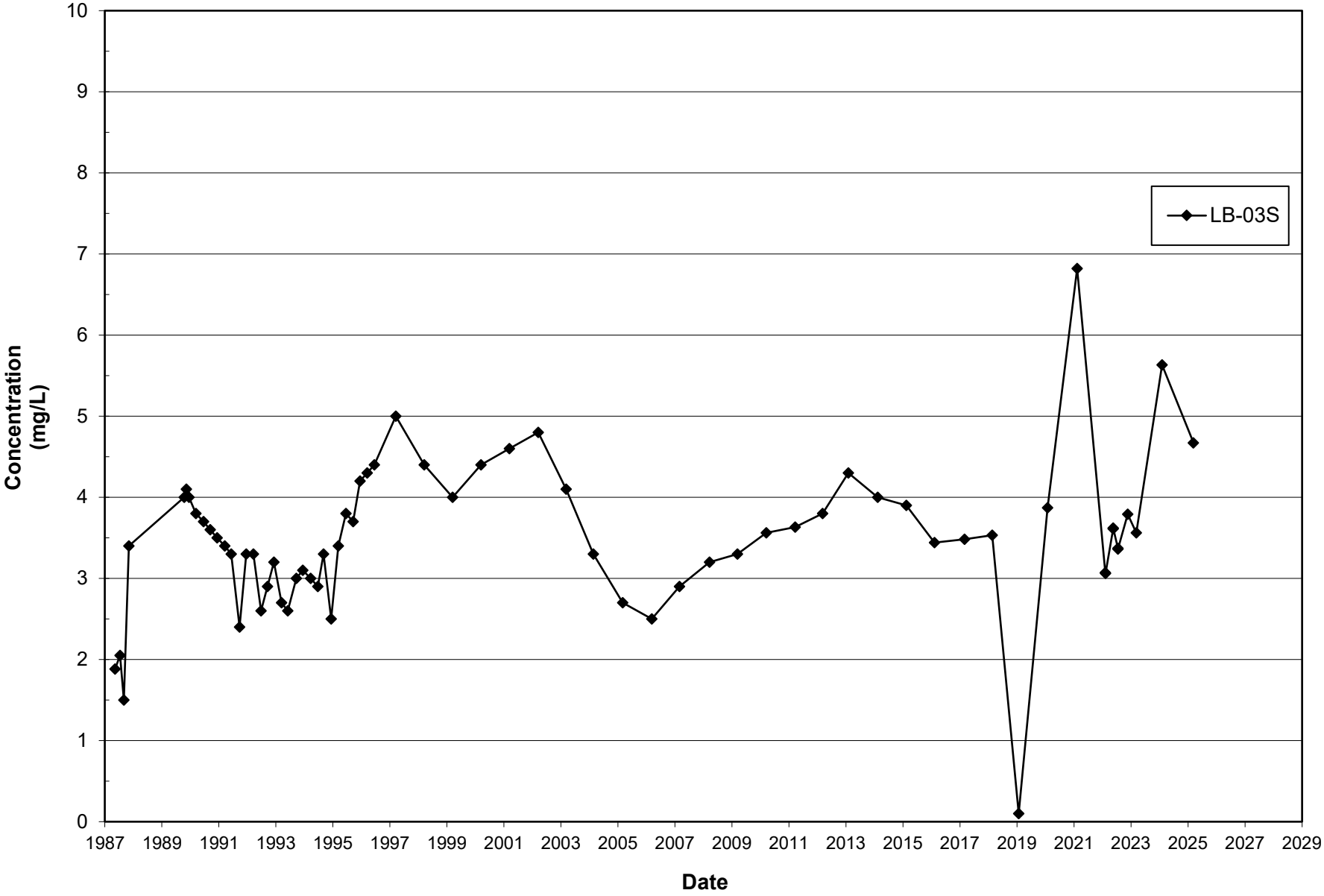
SCS Engineers, 1/22/2026

Leichner Landfill
Nitrate, LB-01D
1987 - 2025



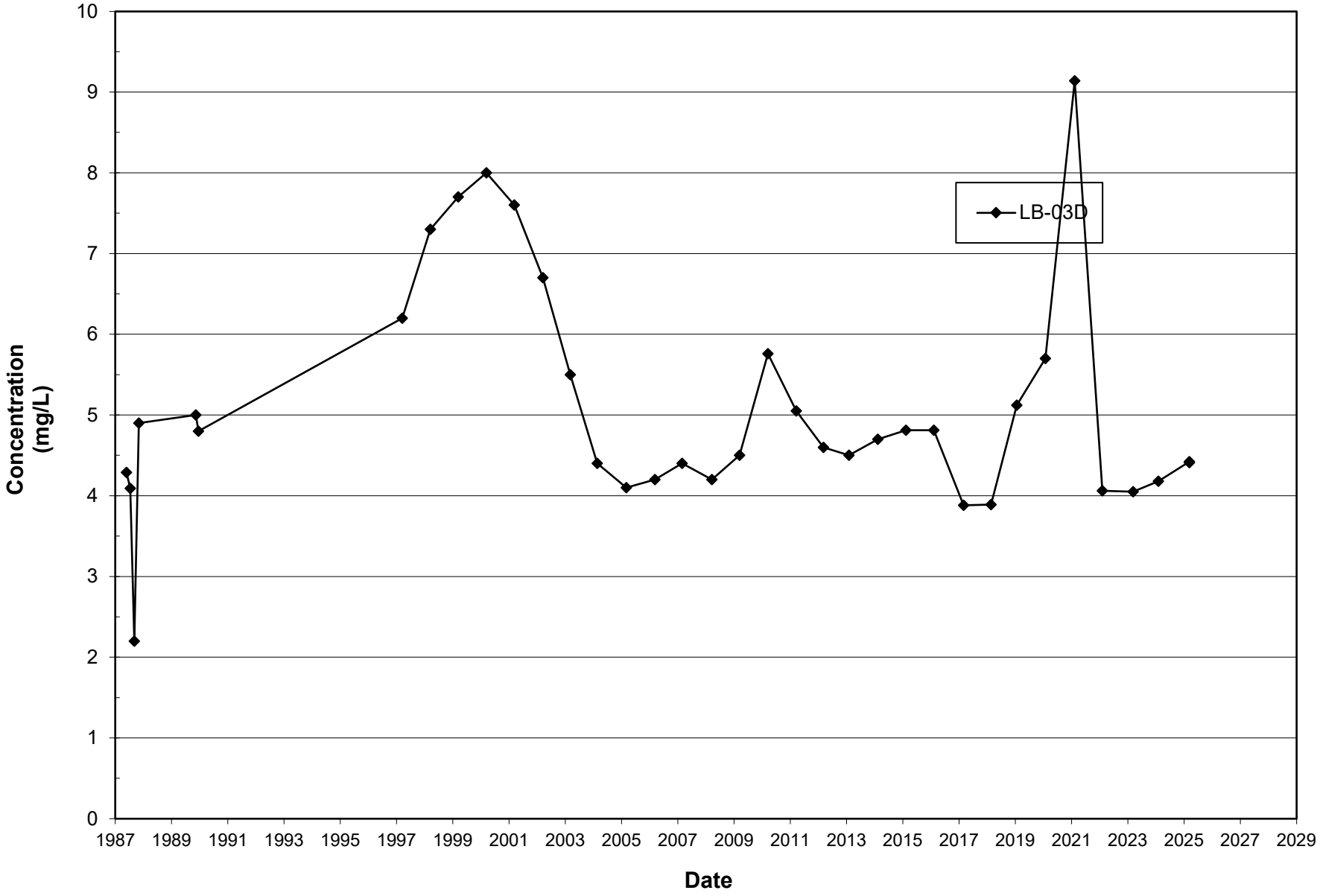
SCS Engineers, 1/22/2026

Leichner Landfill
Nitrate, LB-03S
1987 - 2025



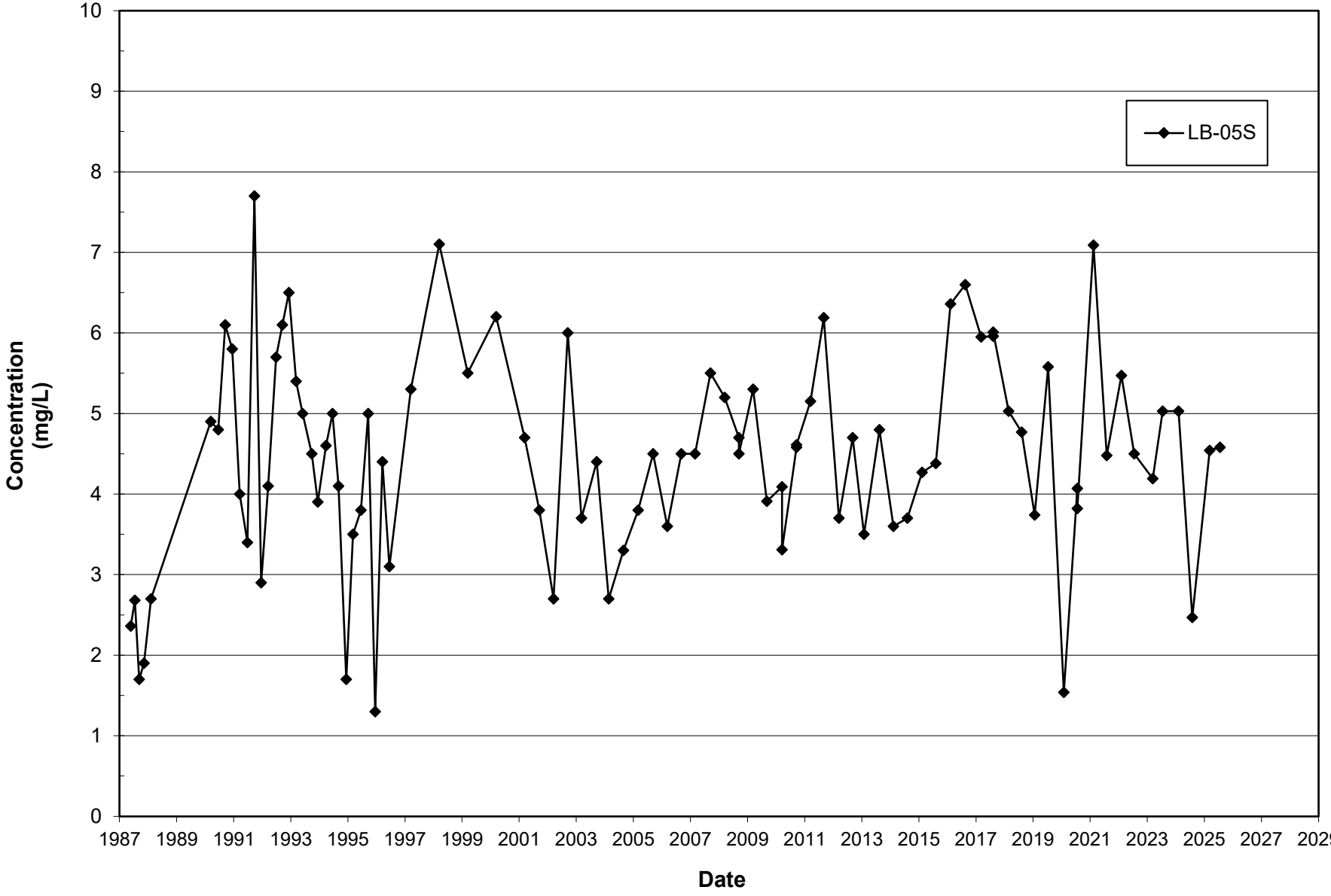
SCS Engineers, 1/22/2026

Leichner Landfill
Nitrate, LB-03D
1987 - 2025



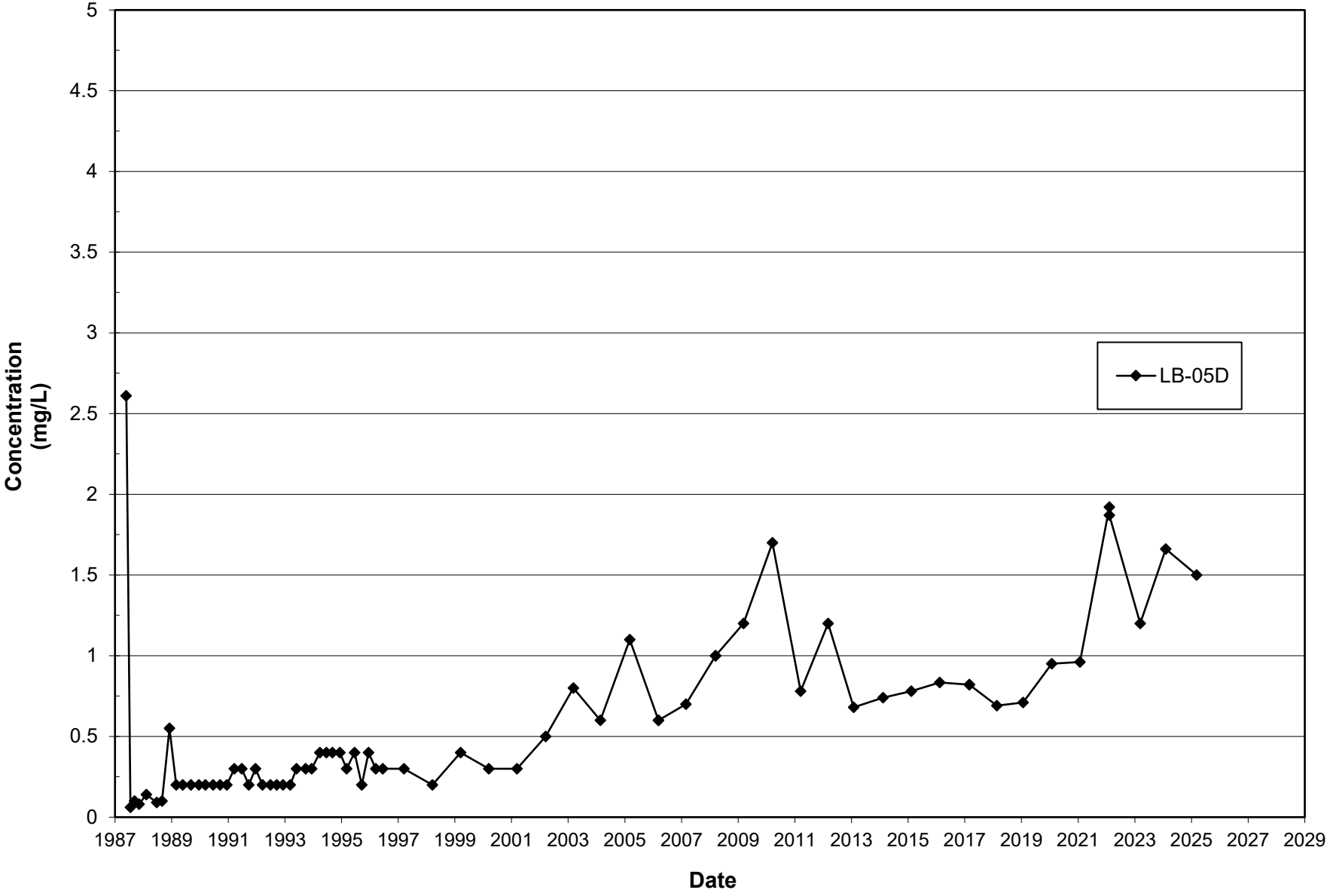
SCS Engineers, 1/22/2026

Leichner Landfill
Nitrate, LB-05S
1987 - 2025

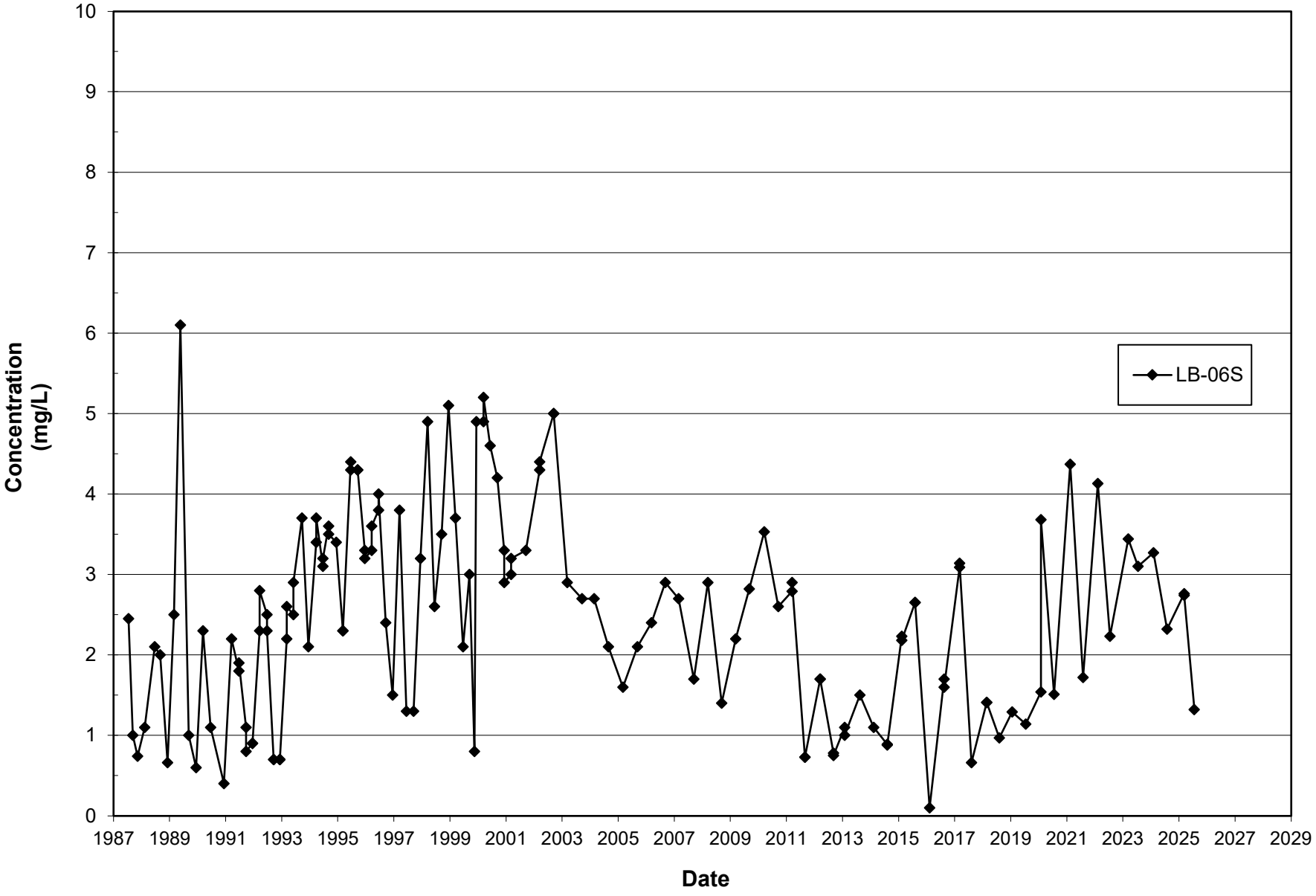


SCS Engineers, 1/22/2026

Leichner Landfill
Nitrate, LB-05D
1987 - 2025

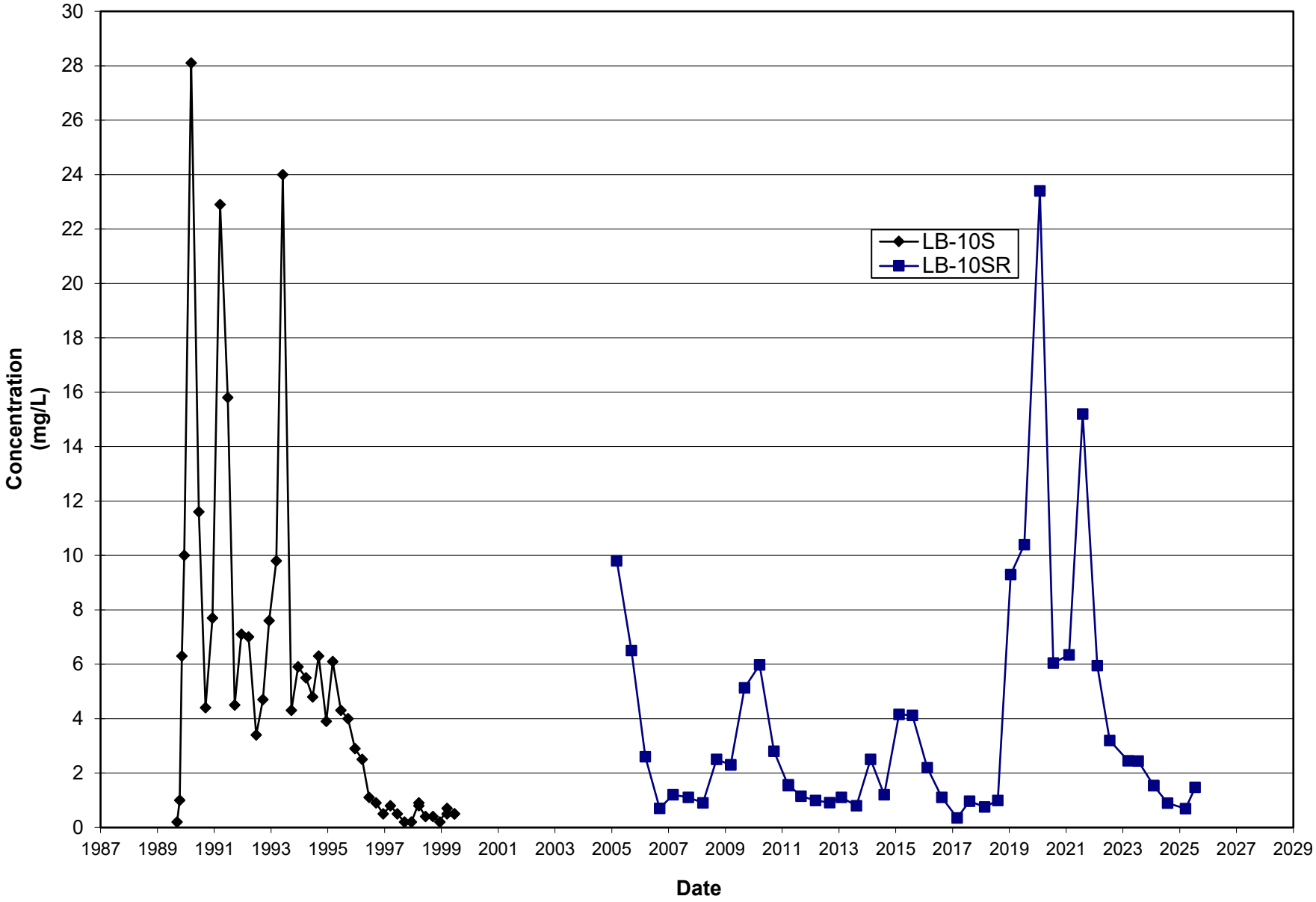


Leichner Landfill
Nitrate, LB-06S
1987 - 2025

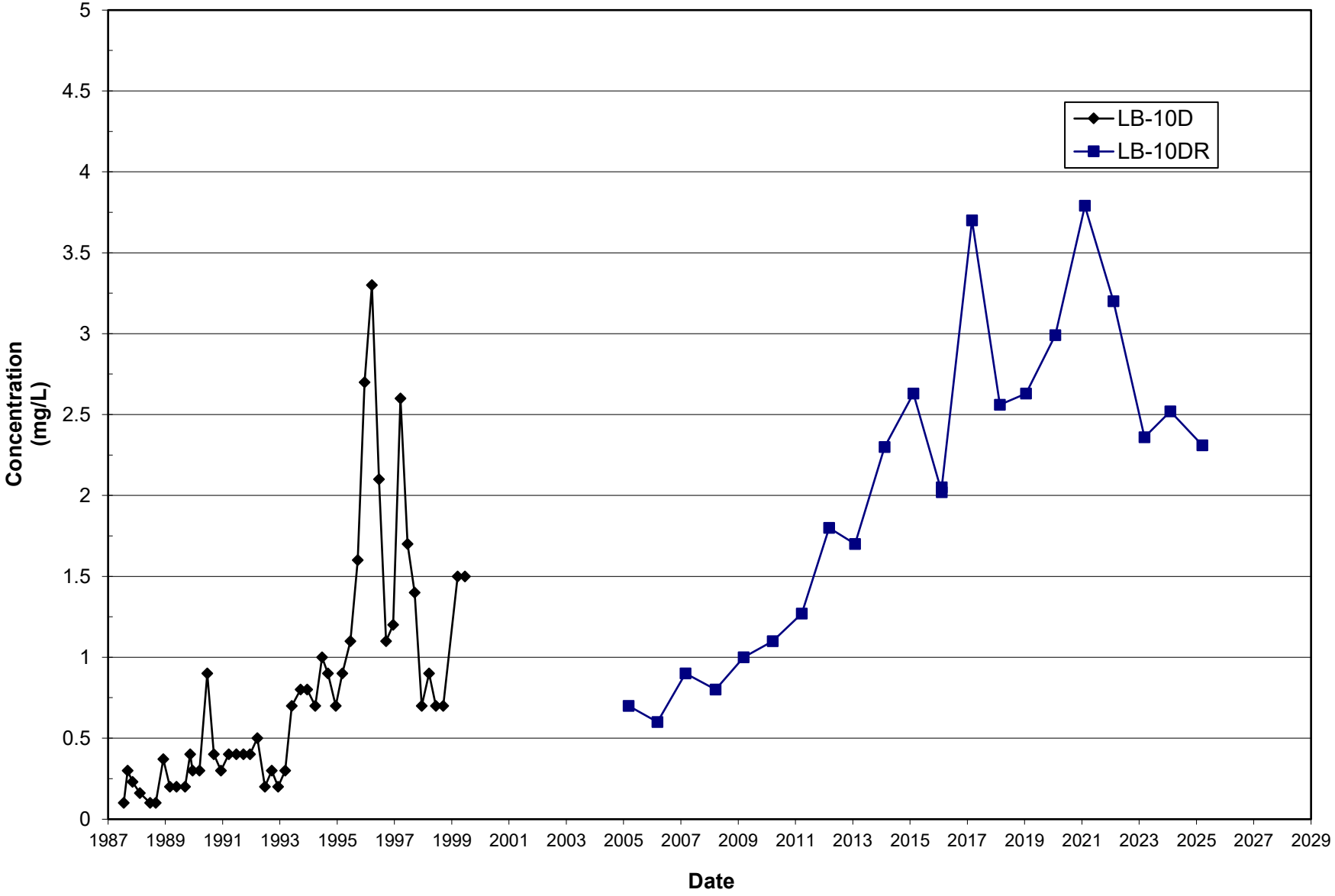


SCS Engineers, 1/22/2026

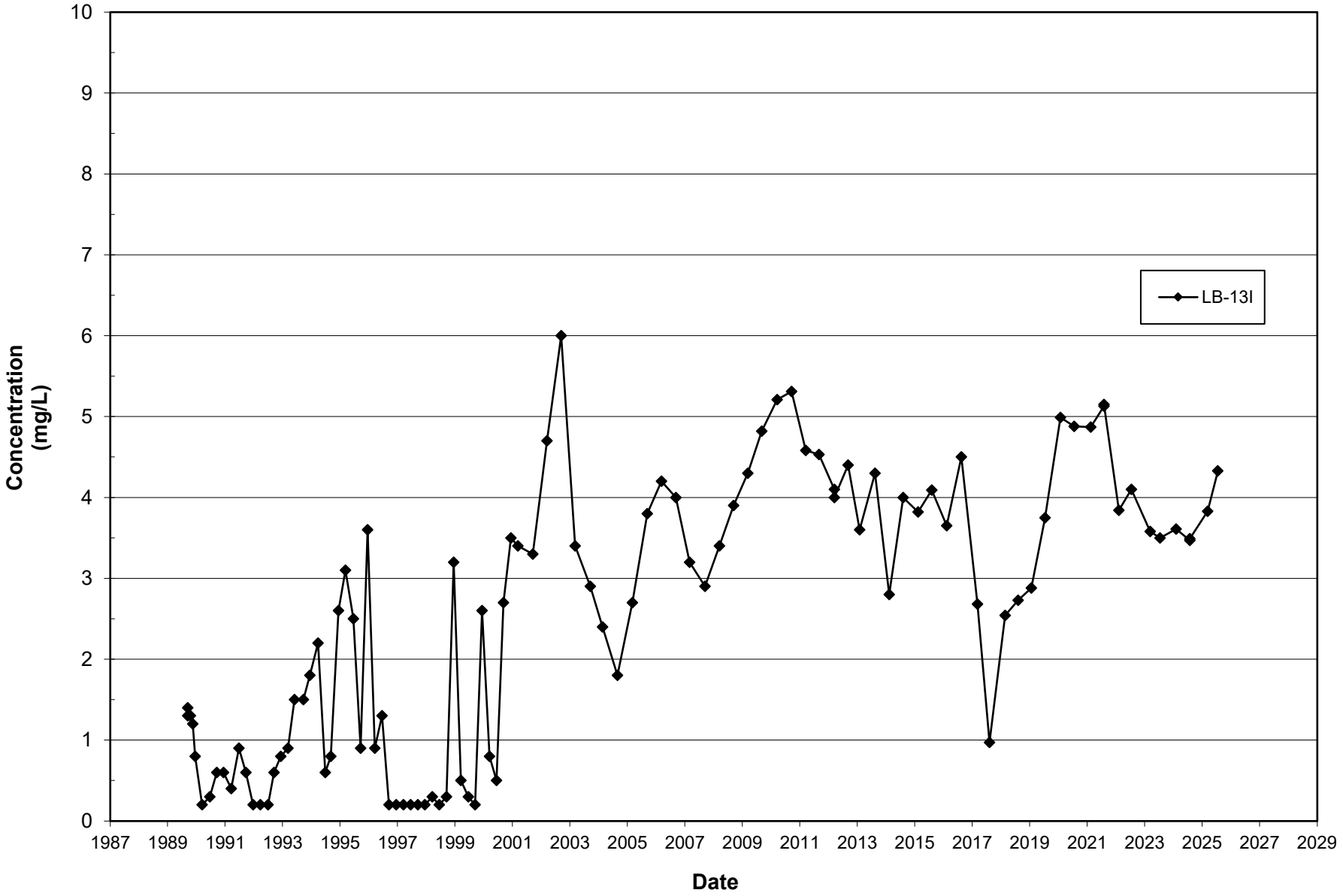
Leichner Landfill
Nitrate, LB-10S and LB-10SR
1987 - 2025



Leichner Landfill
Nitrate, LB-10D and LB-10DR
1987 - 2025

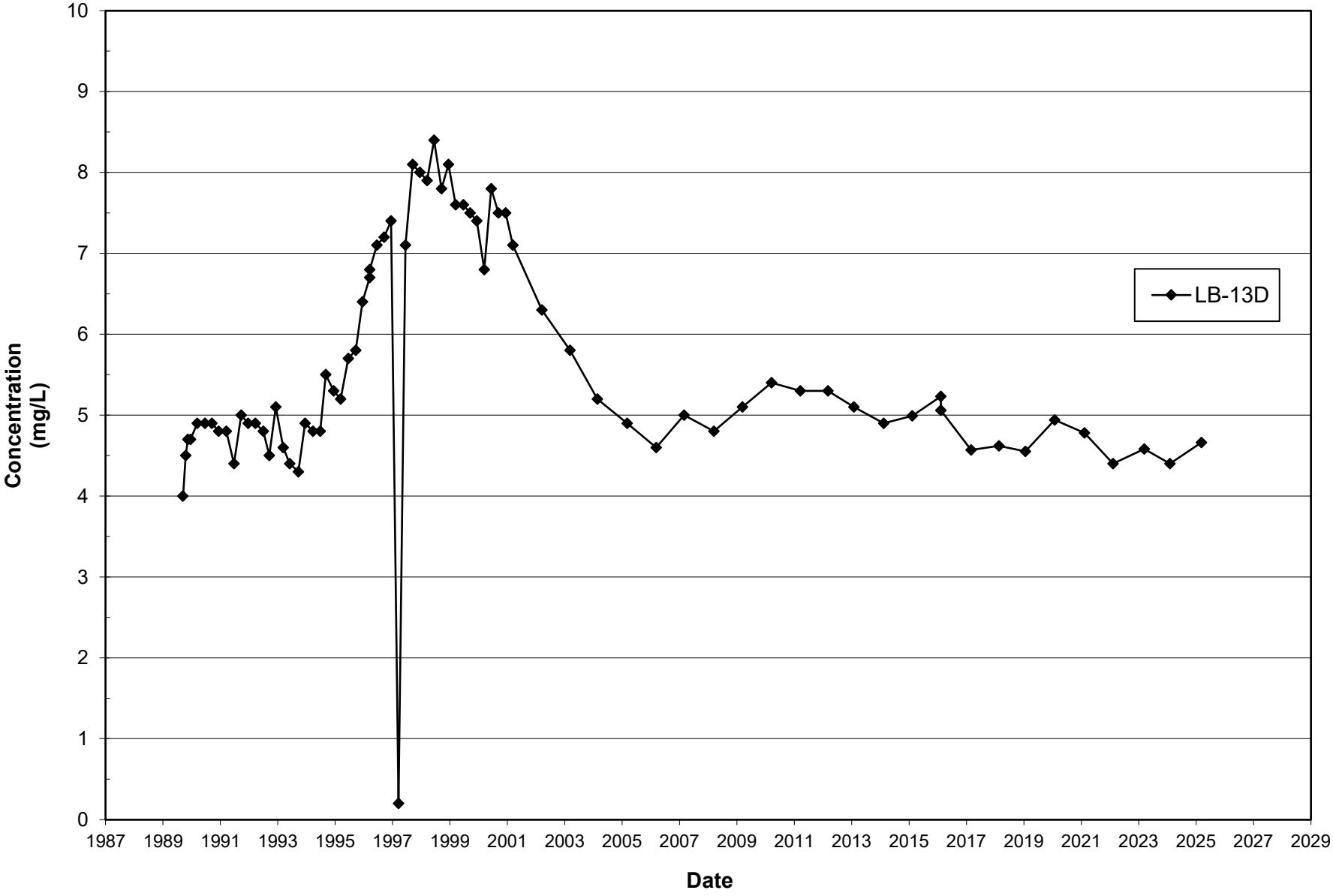


Leichner Landfill
Nitrate, LB-13I
1987 - 2025



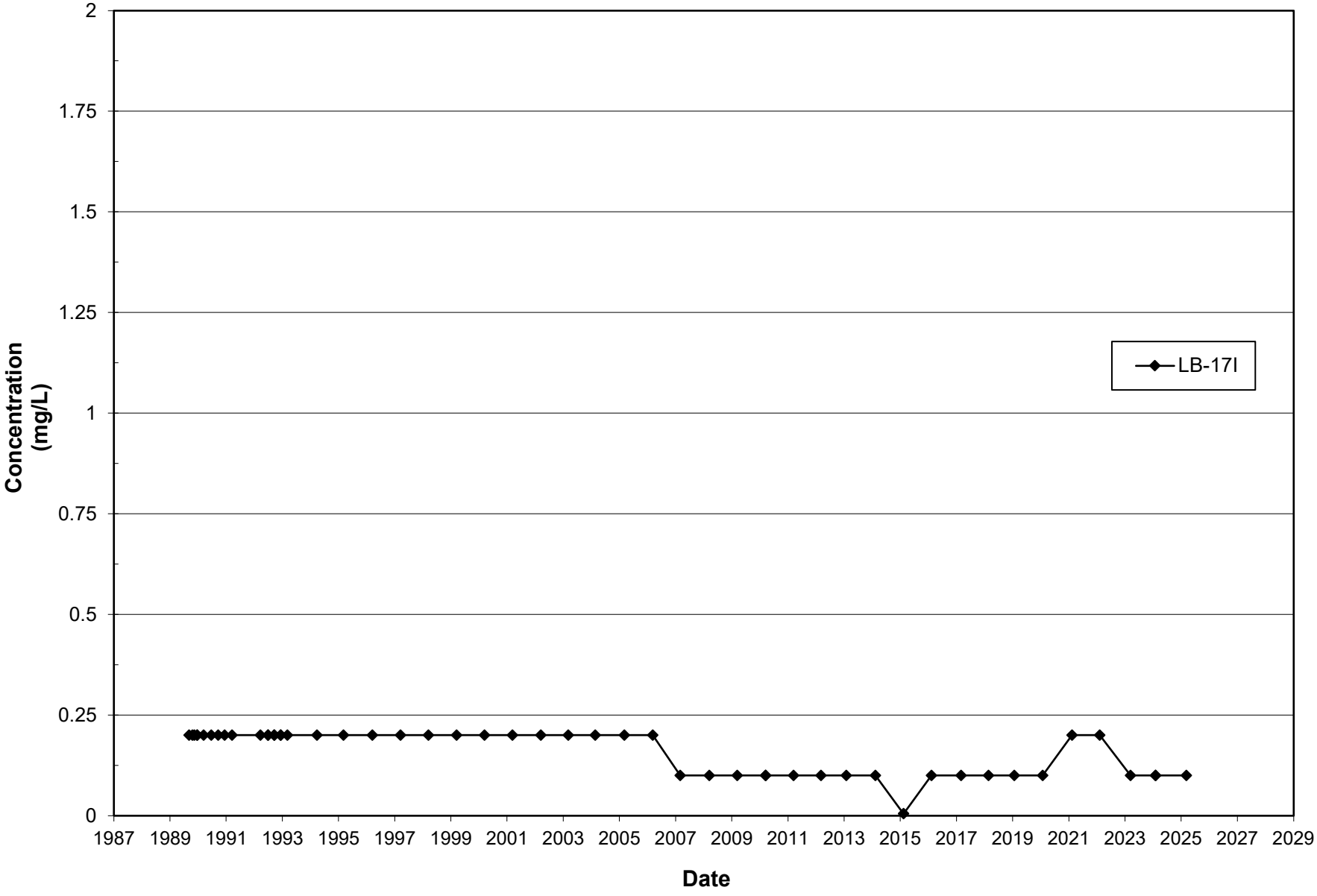
SCS Engineers, 1/22/2026

Leichner Landfill
Nitrate, LB-13D
1987 - 2025



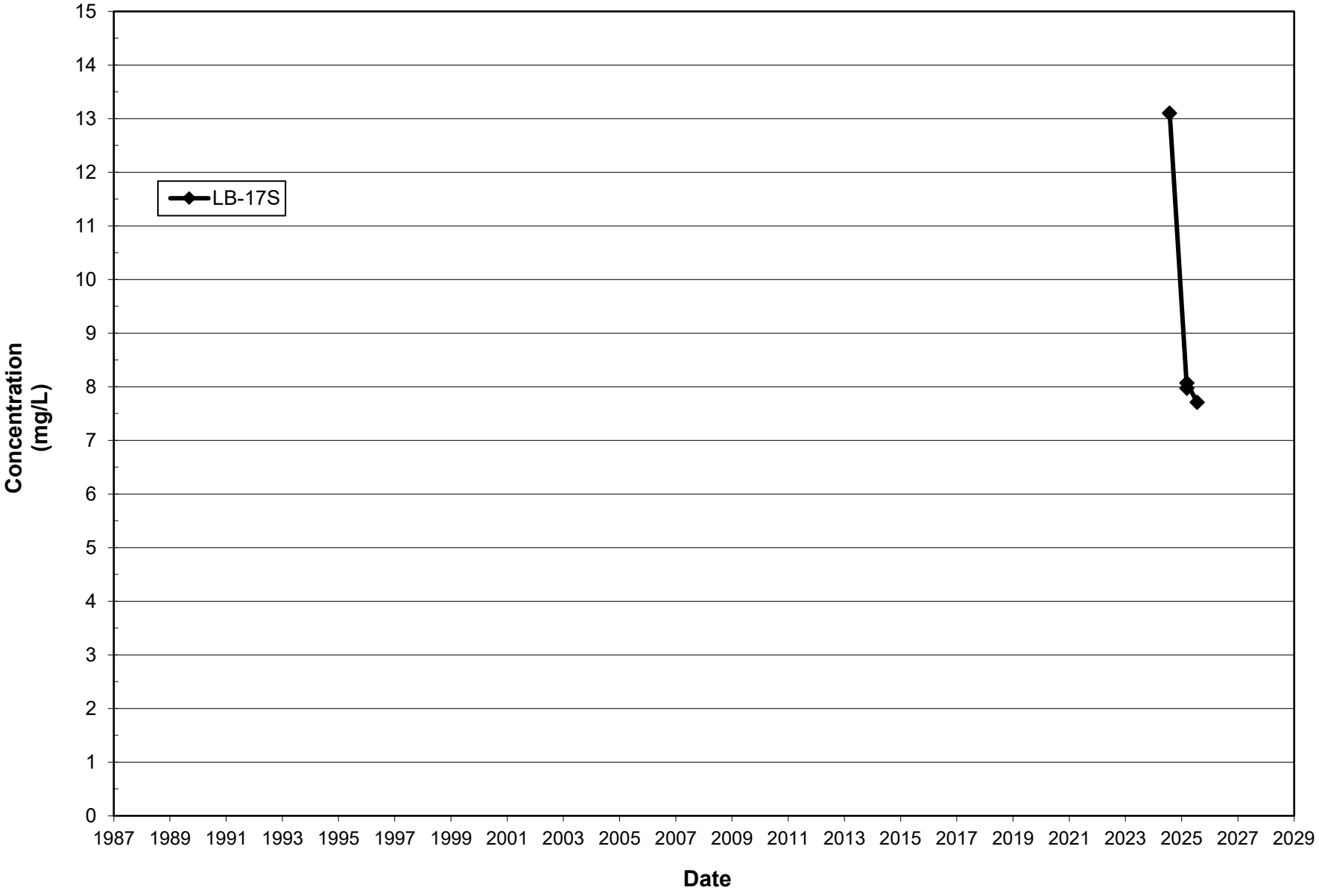
SCS Engineers, 1/22/2026

Leichner Landfill
Nitrate, LB-17I
1987 - 2025

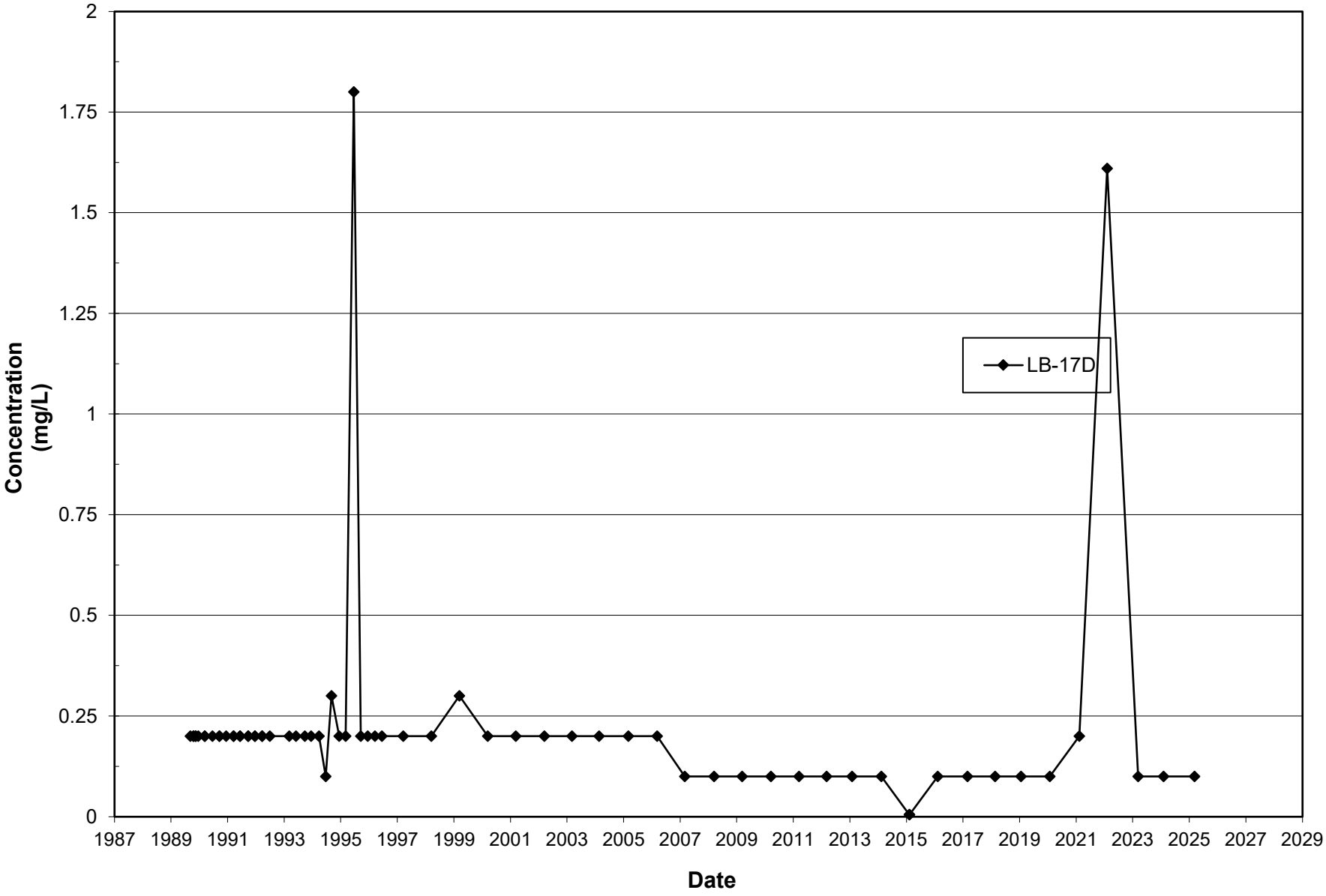


SCS Engineers, 1/22/2026

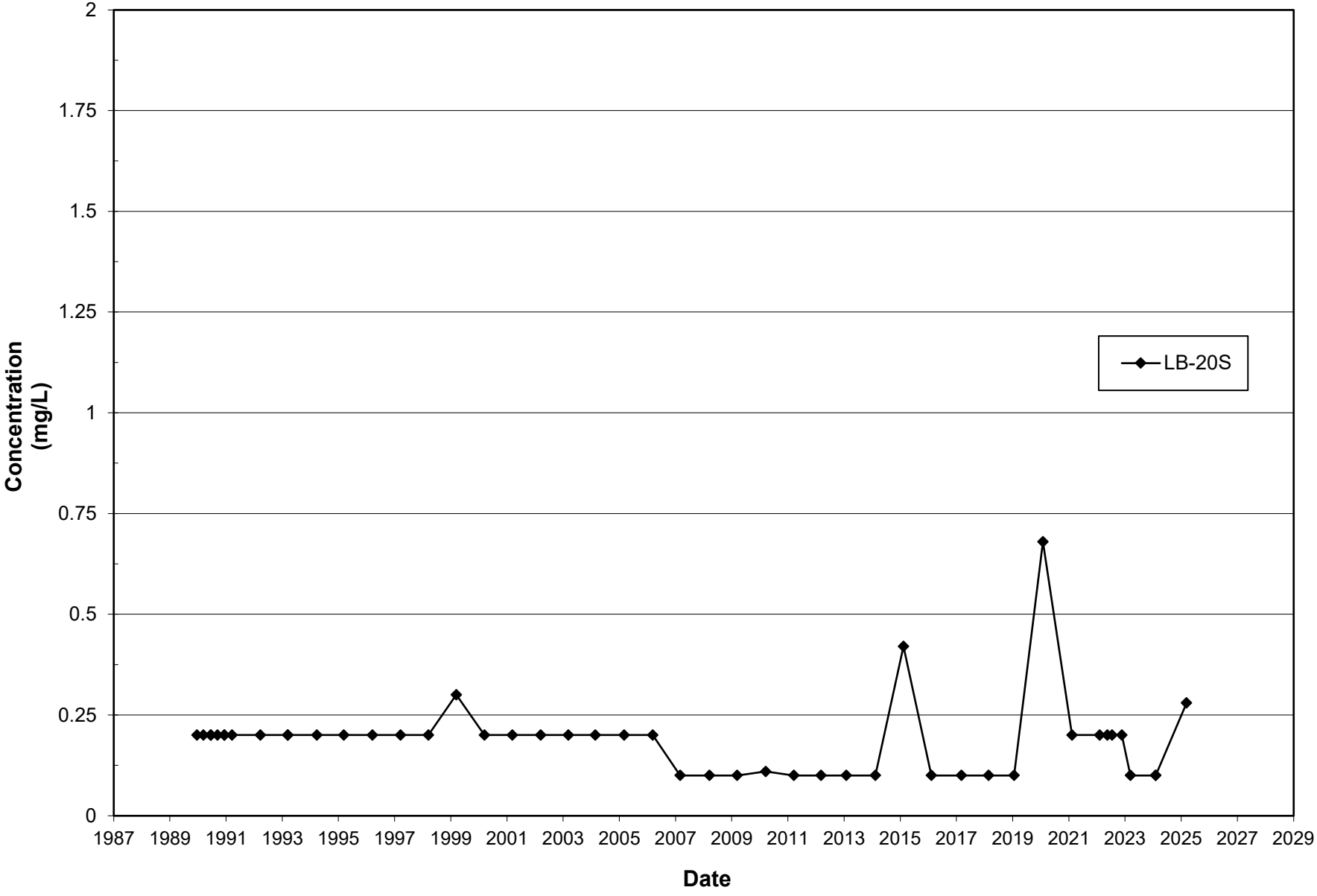
Leichner Landfill
Nitrate, LB-17S
1987 - 2025



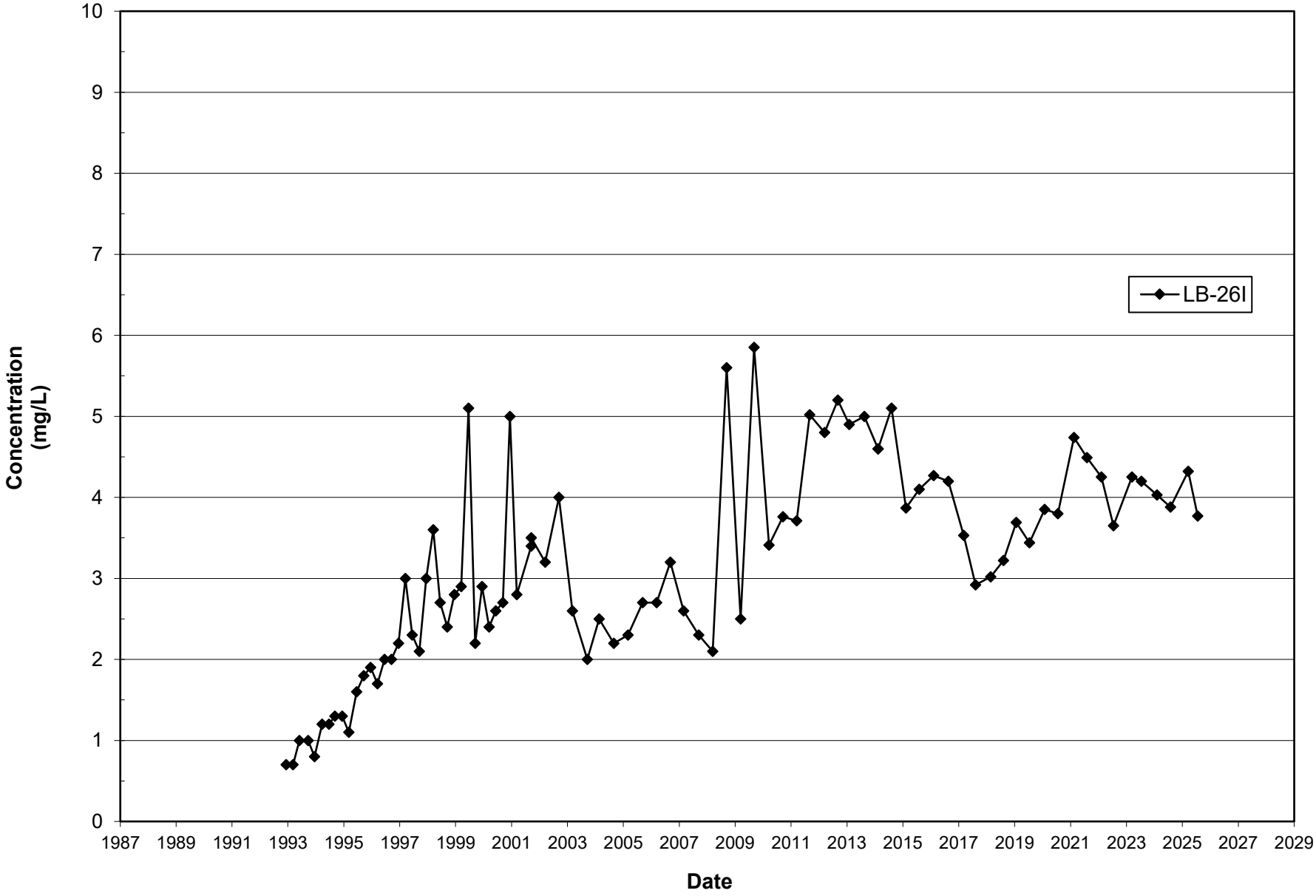
Leichner Landfill
Nitrate, LB-17D
1987 - 2025



Leichner Landfill
Nitrate, LB-20S
1987 - 2025

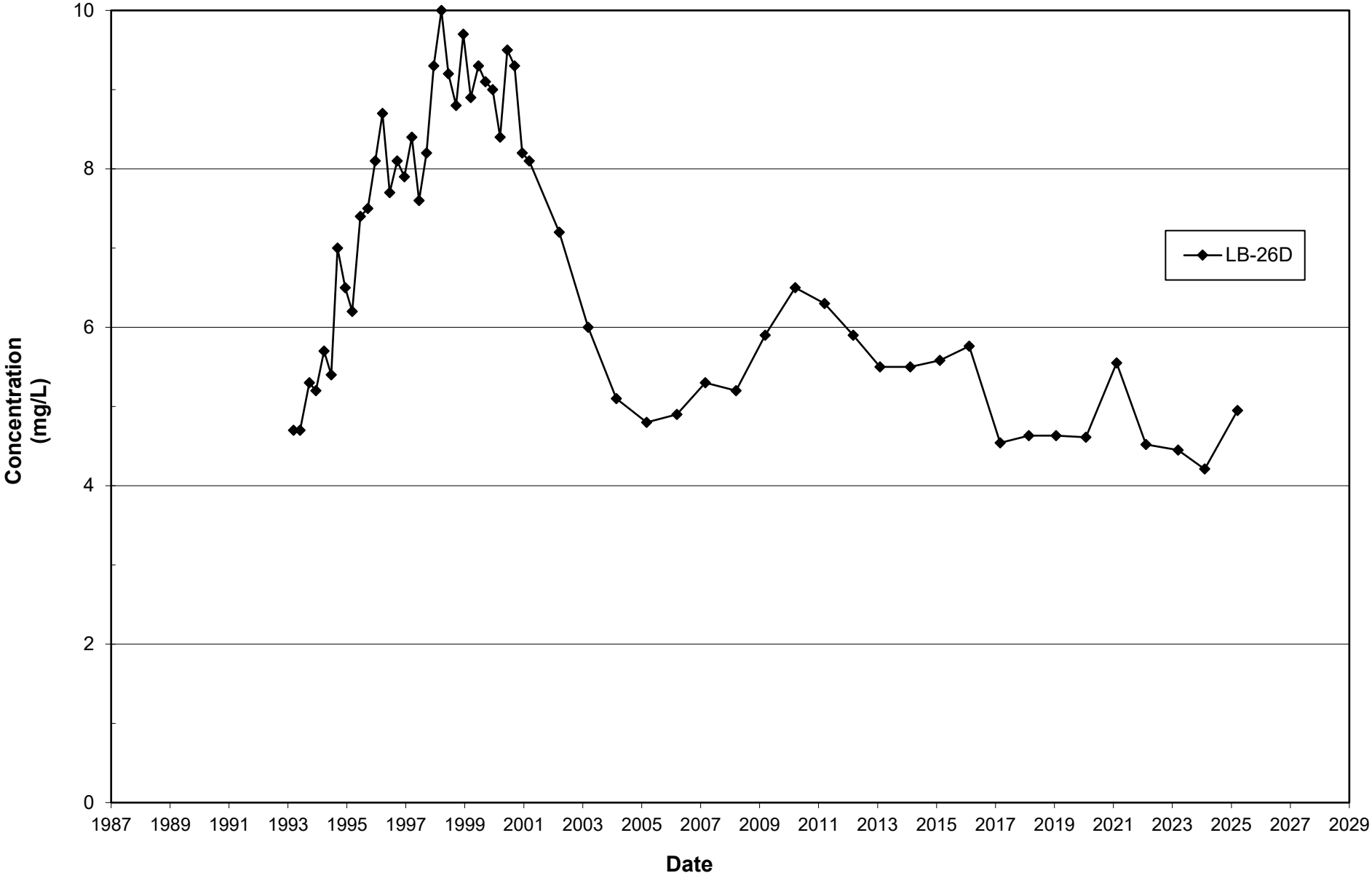


Leichner Landfill
Nitrate, LB-26I
1987 - 2025



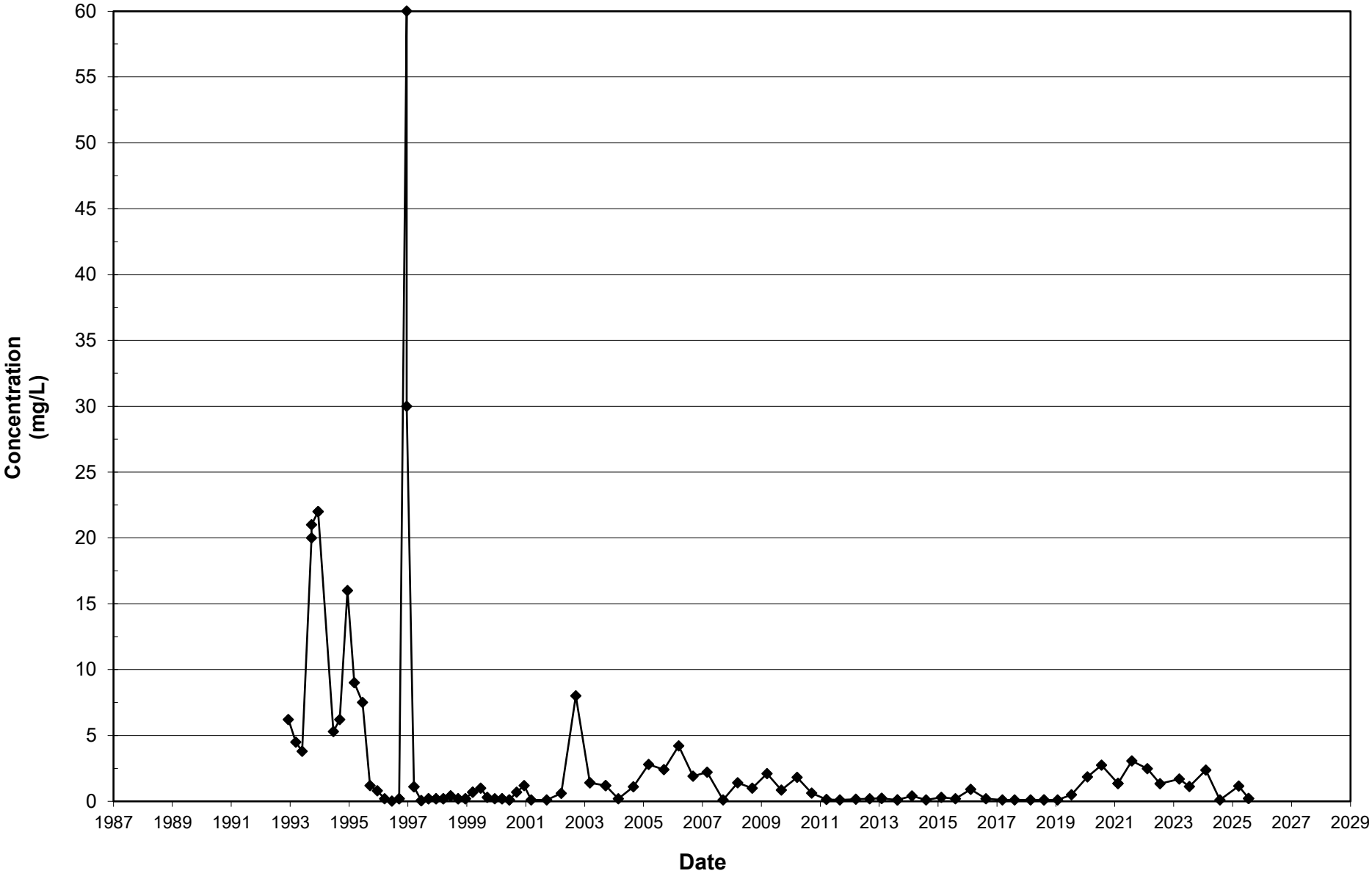
SCS Engineers, 1/22/2026

Leichner Landfill
Nitrate, LB-26D
1987 - 2025



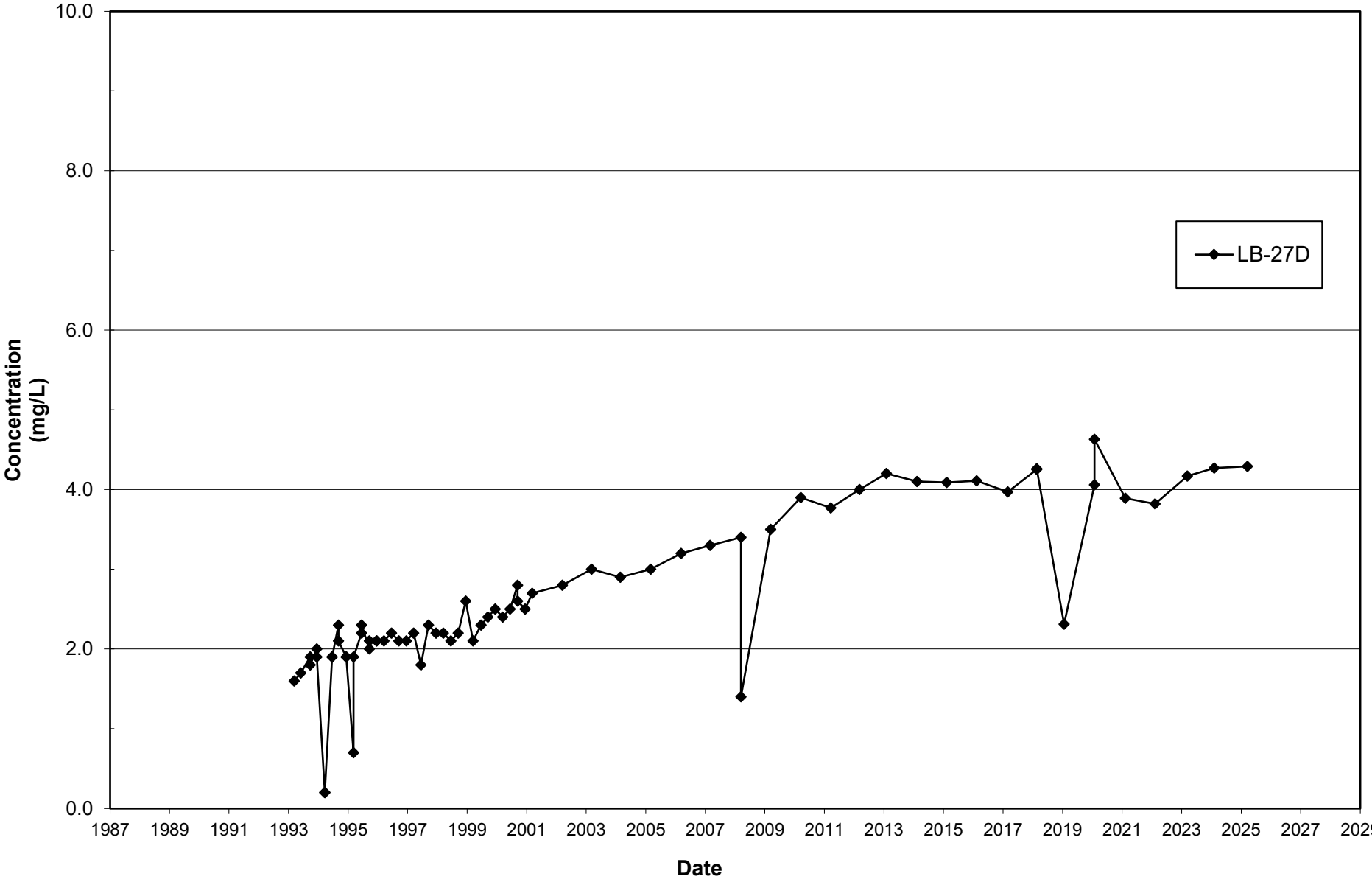
SCS Engineers, 1/22/2026

Leichner Landfill
Nitrate, LB-27I
1987 - 2025



SCS Engineers, 1/22/2026

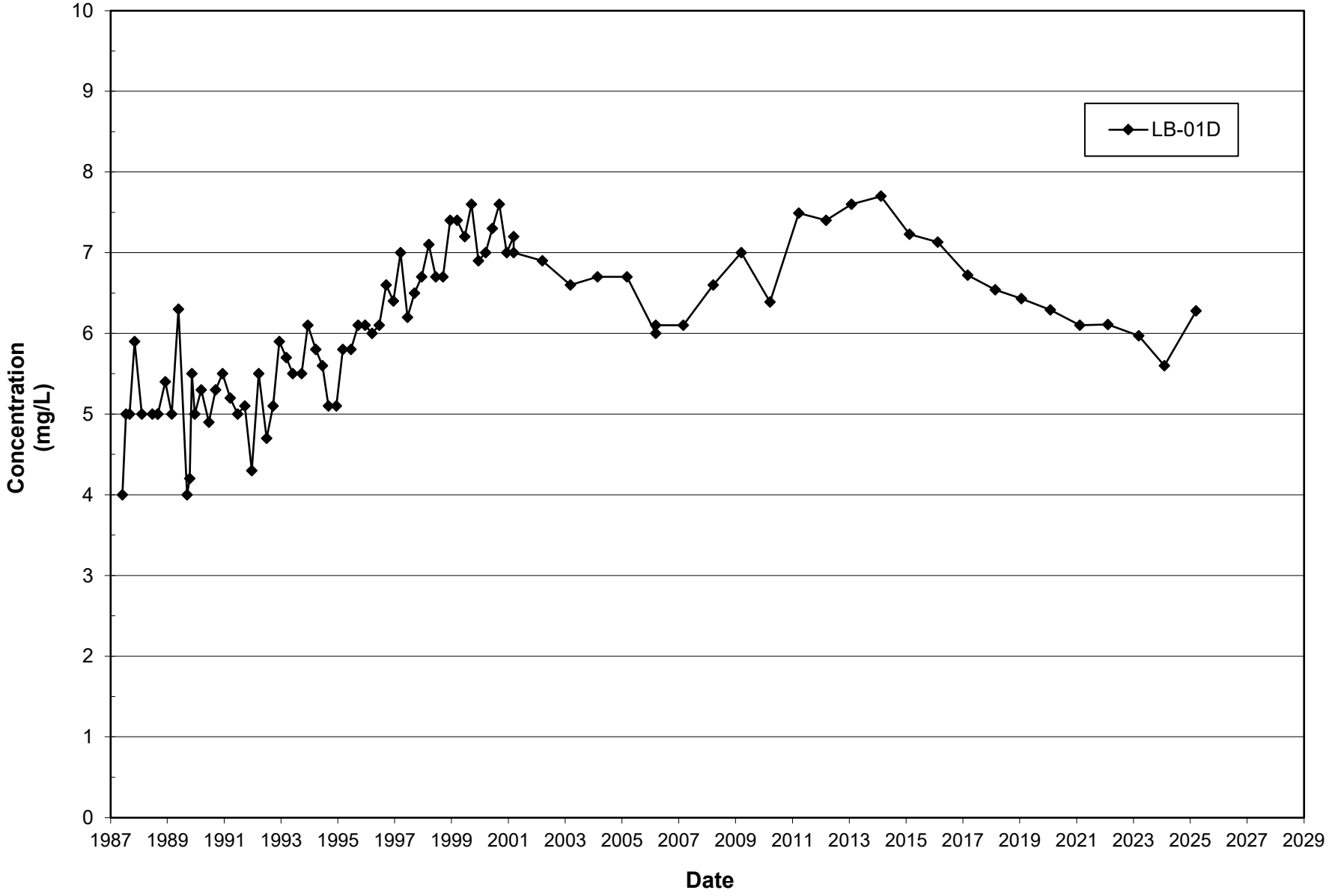
Leichner Landfill
Nitrate, LB-27D
1987 - 2025



SCS Engineers, 1/22/2026

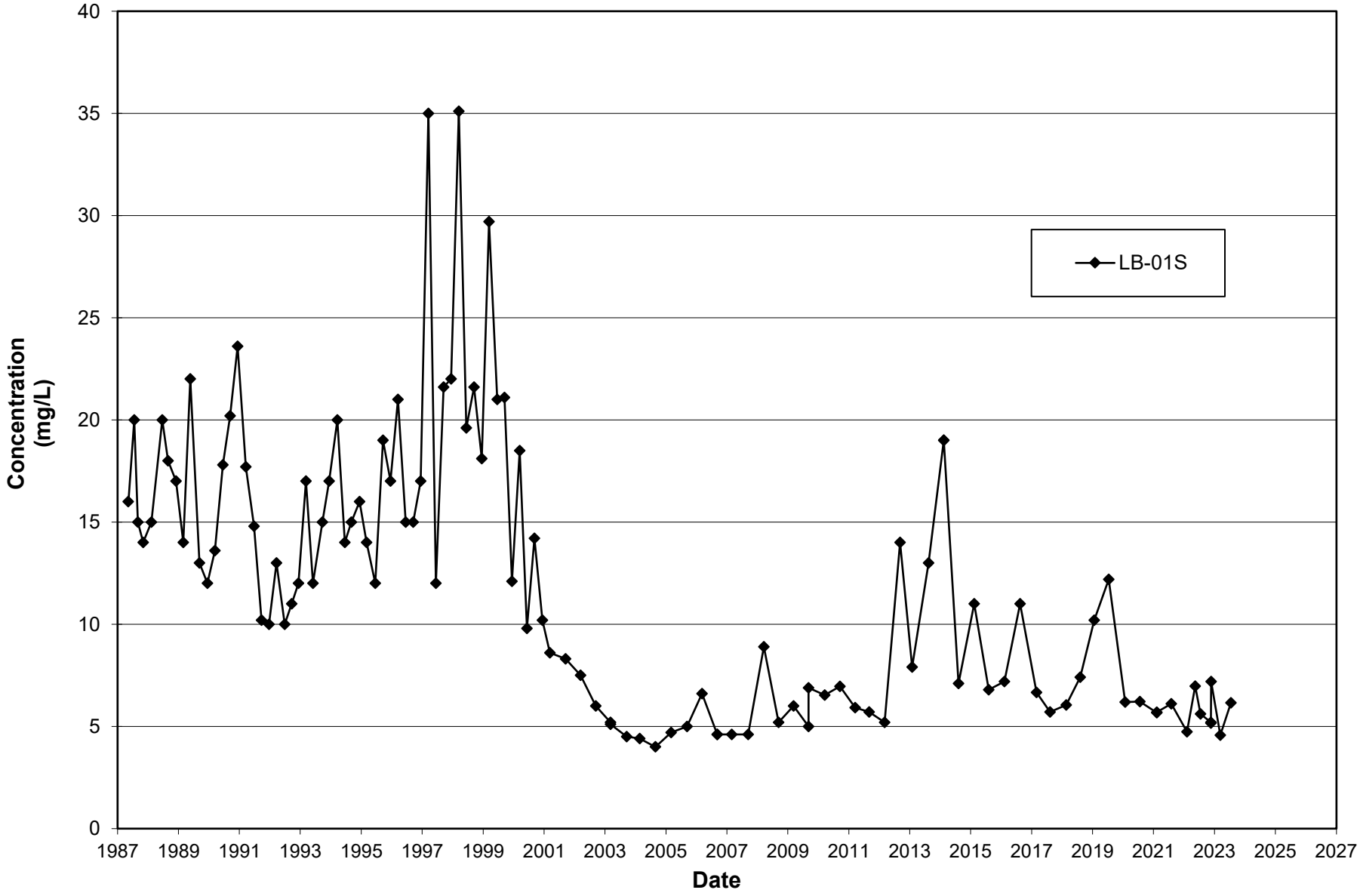
Chloride

Leichner Landfill
Chloride, LB-01D
1987 - 2025



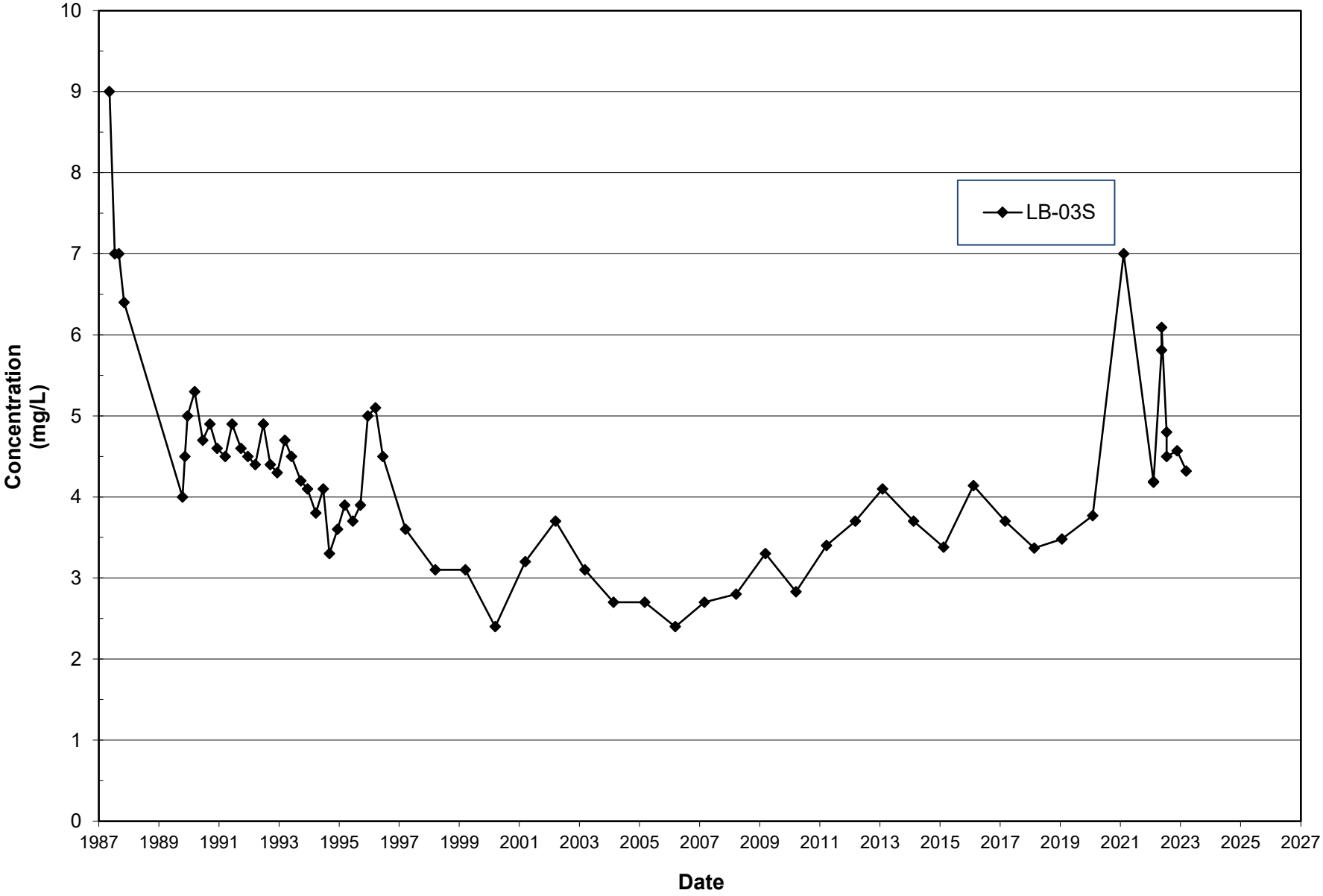
SCS Engineers, 1/16/2026

Leichner Landfill
Chloride, LB-01S
1987 - 2025



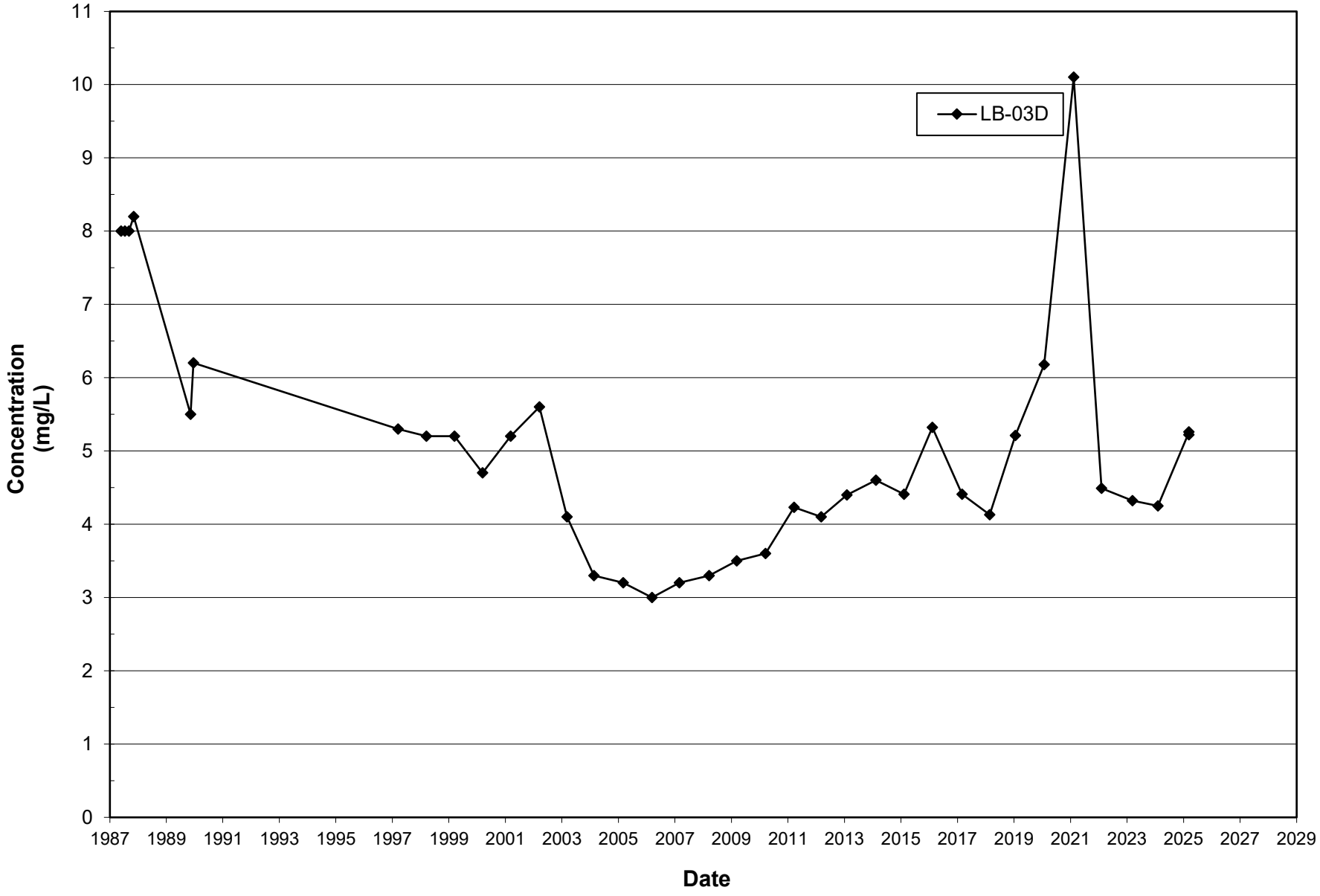
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Leichner Landfill
Chloride, LB-03S
1987 - 2025



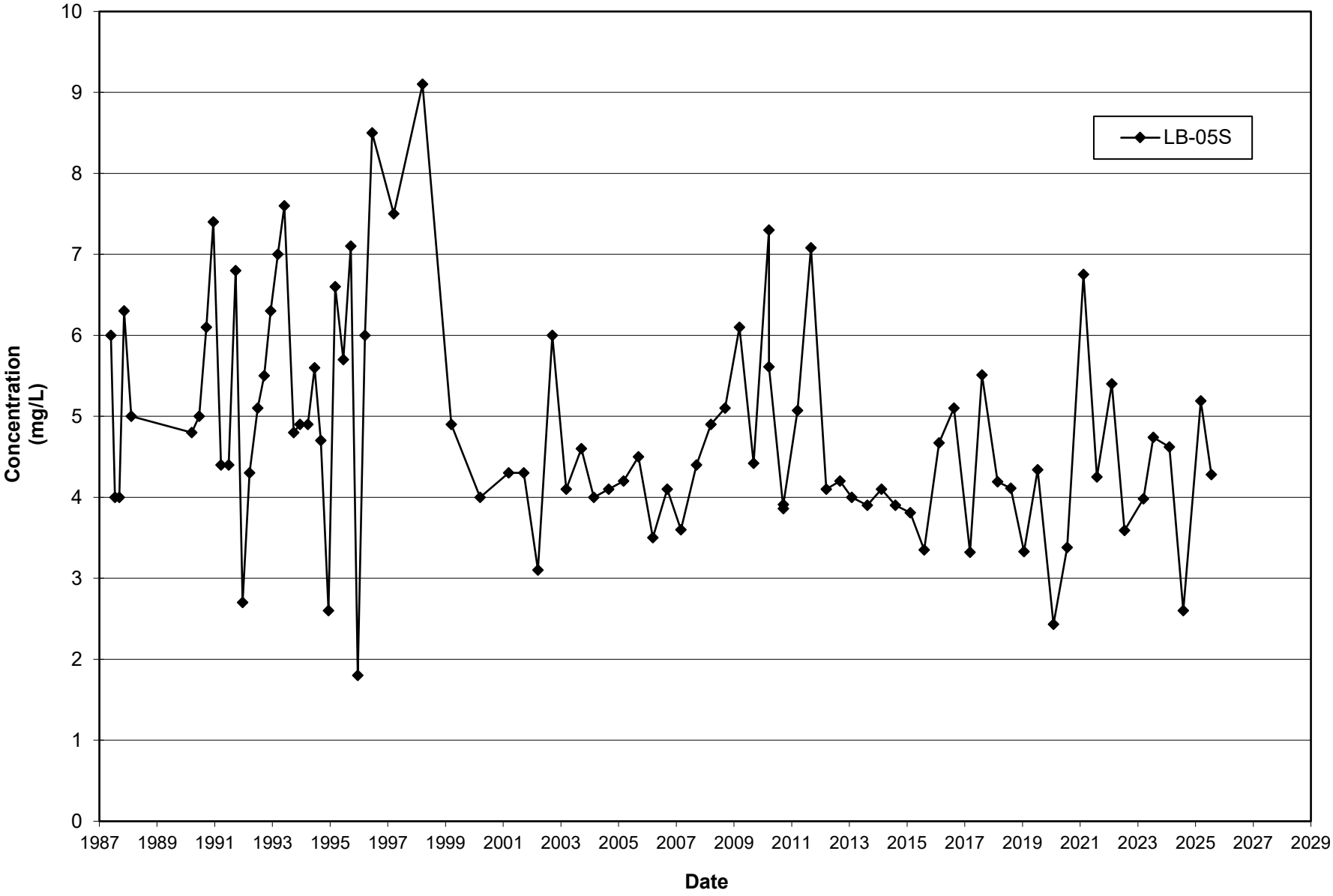
SCS Engineers, 1/16/2026

Leichner Landfill
Chloride, LB-03D
1987 - 2025

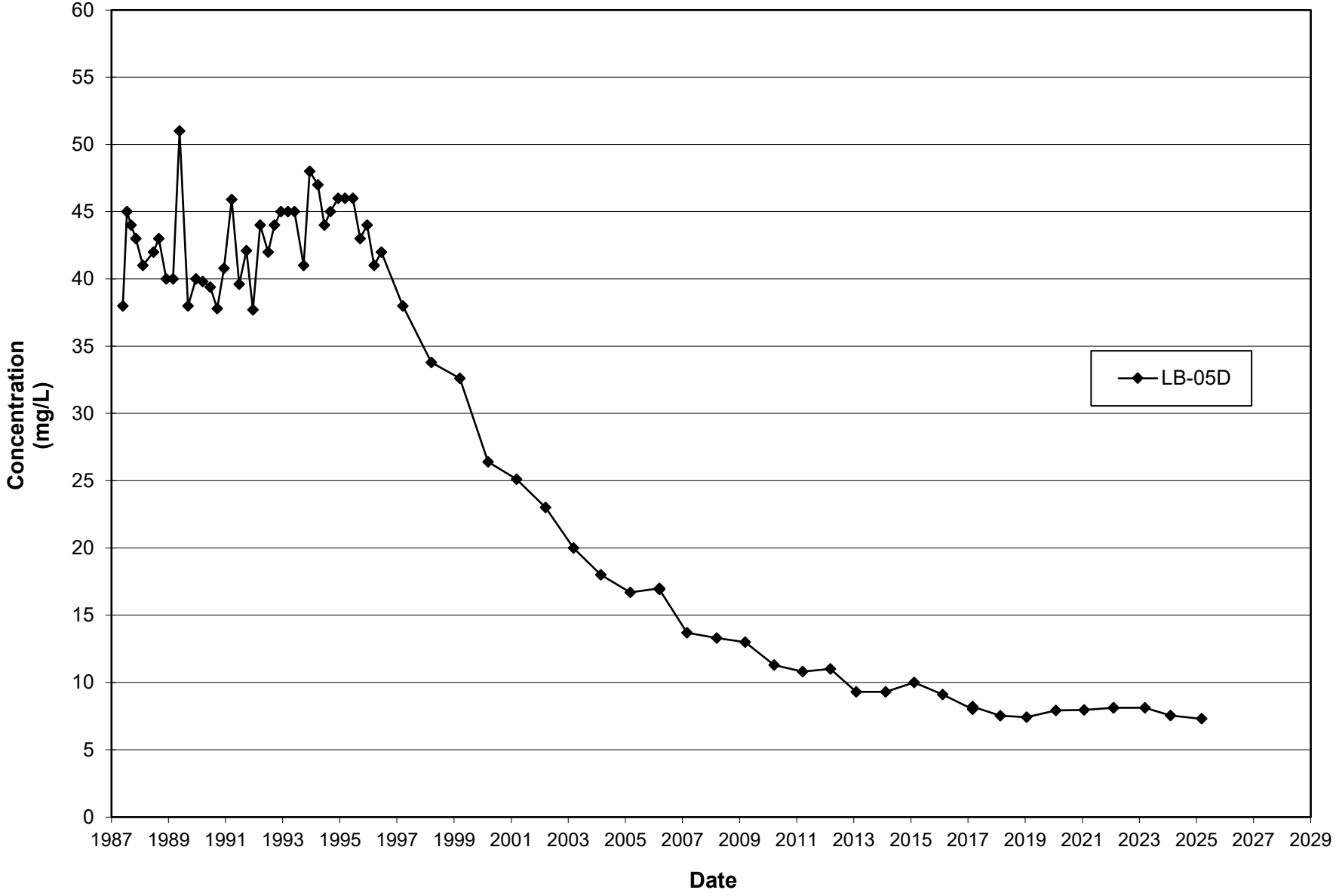


SCS Engineers, 1/16/2026

Leichner Landfill
Chloride, LB-05S
1987 - 2025

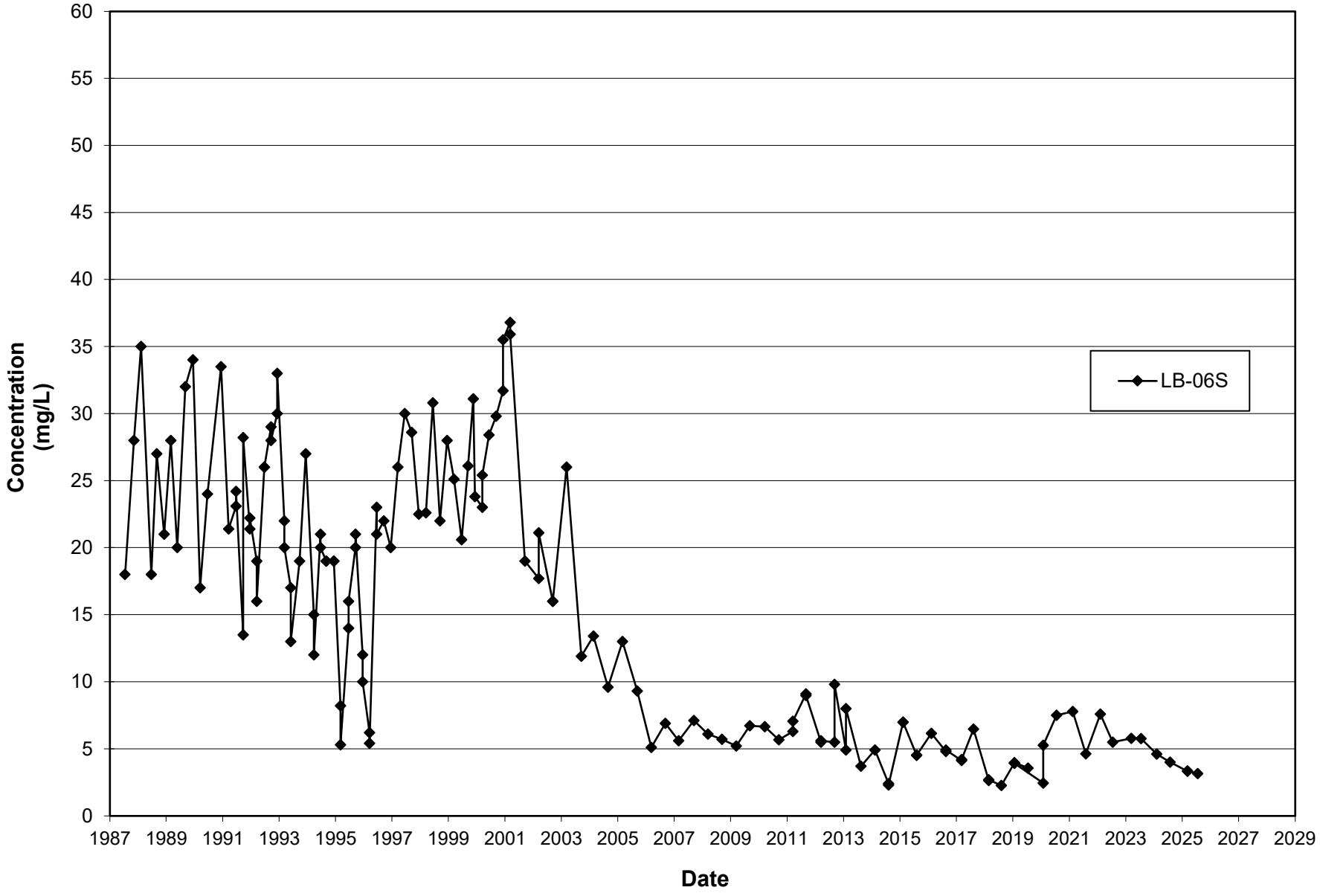


Leichner Landfill
Chloride, LB-05D
1987 - 2025



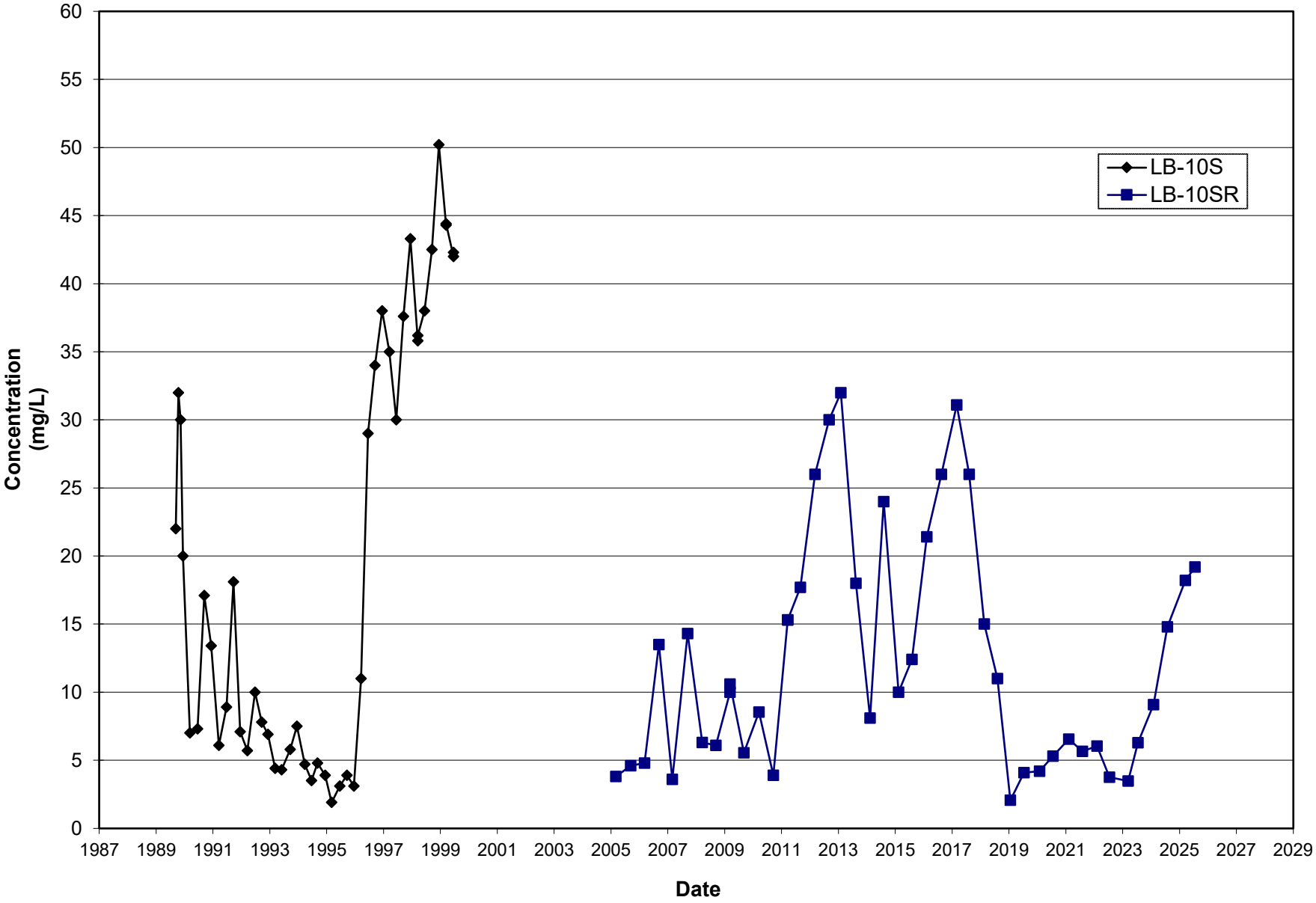
SCS Engineers, 1/16/2026

Leichner Landfill
Chloride, LB-06S
1987 - 2025

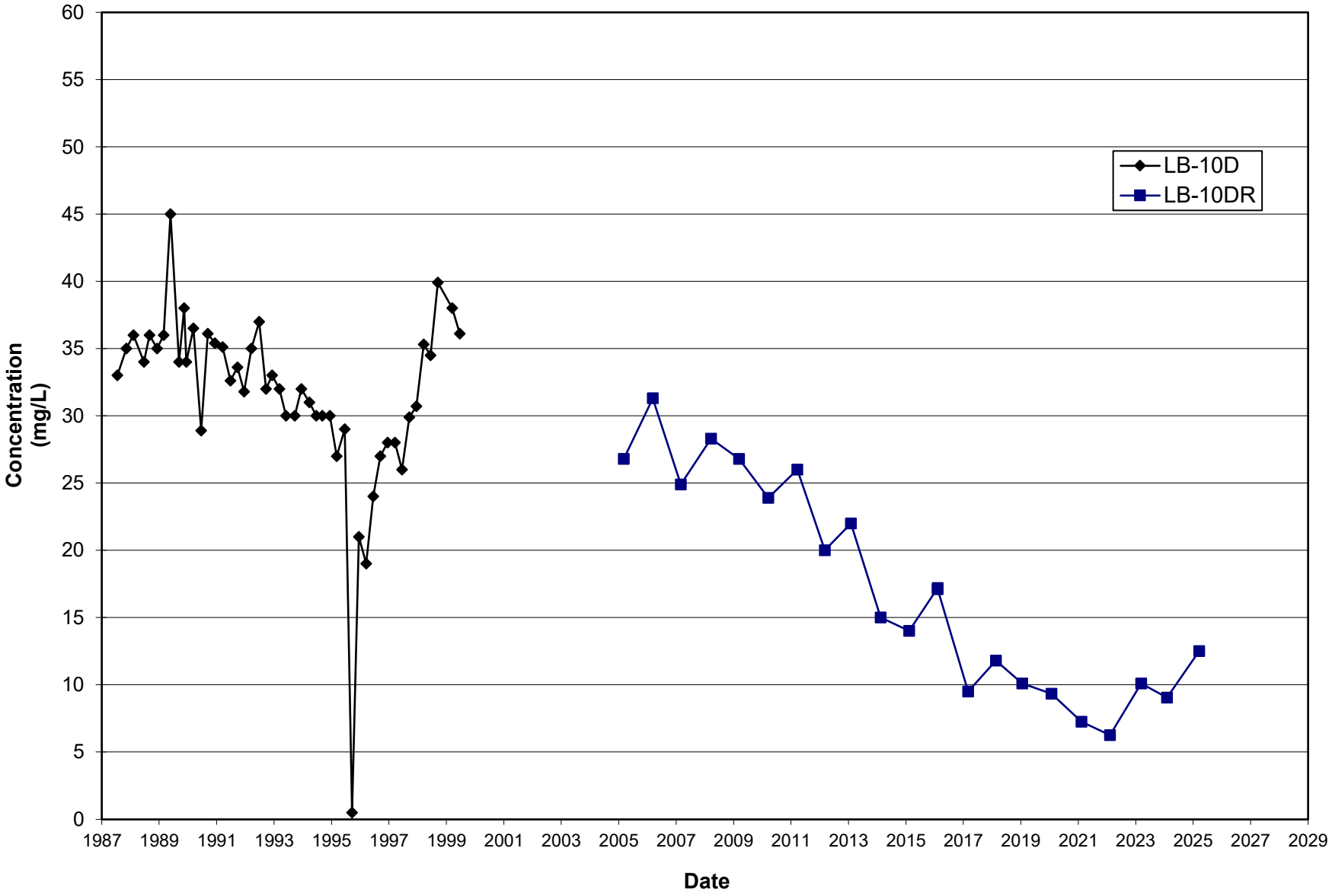


SCS Engineers, 1/16/2026

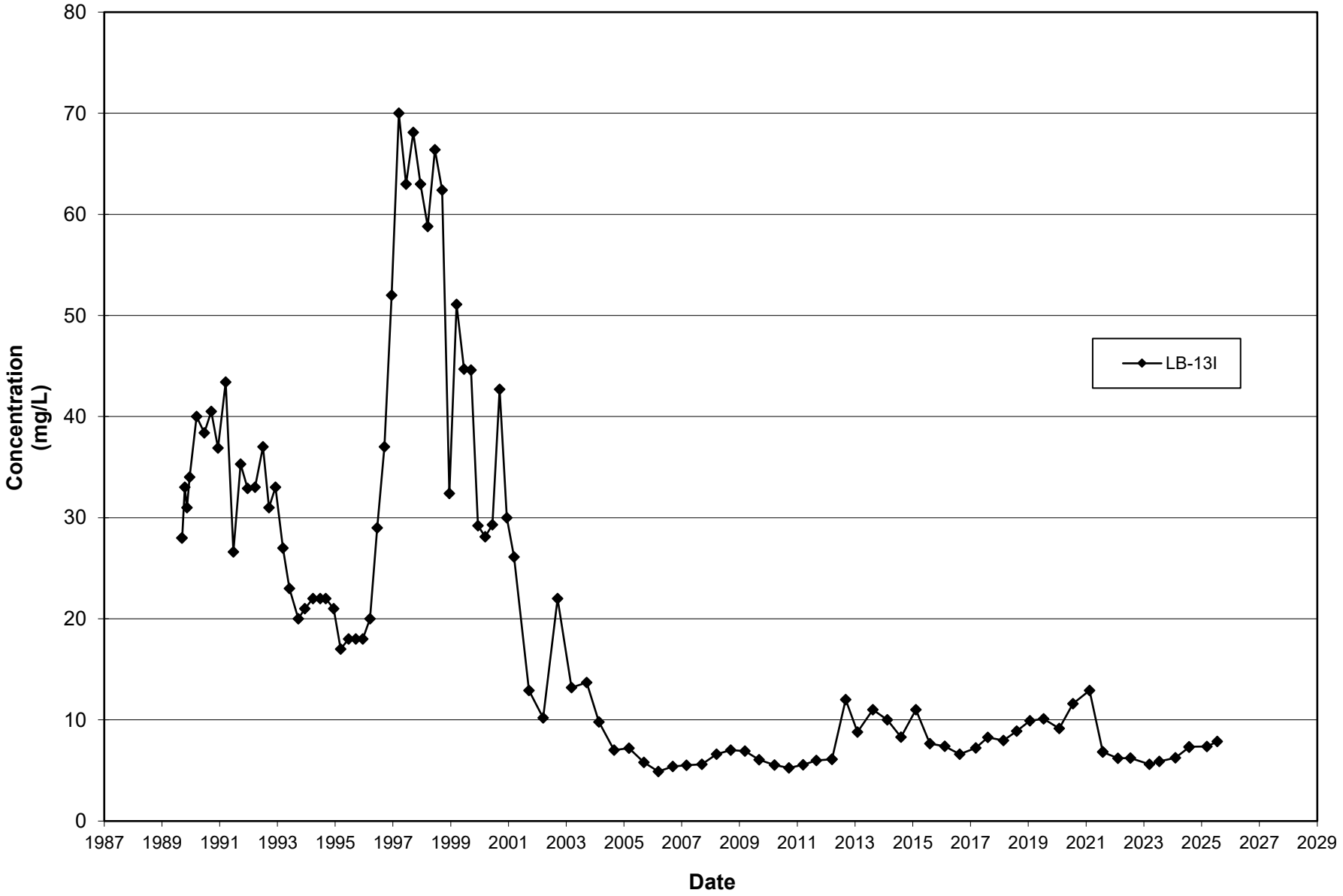
Leichner Landfill
Chloride, LB-10S and LB-10SR
1987 - 2025



Leichner Landfill
Chloride, LB-10D and LB-10DR
1987 - 2025

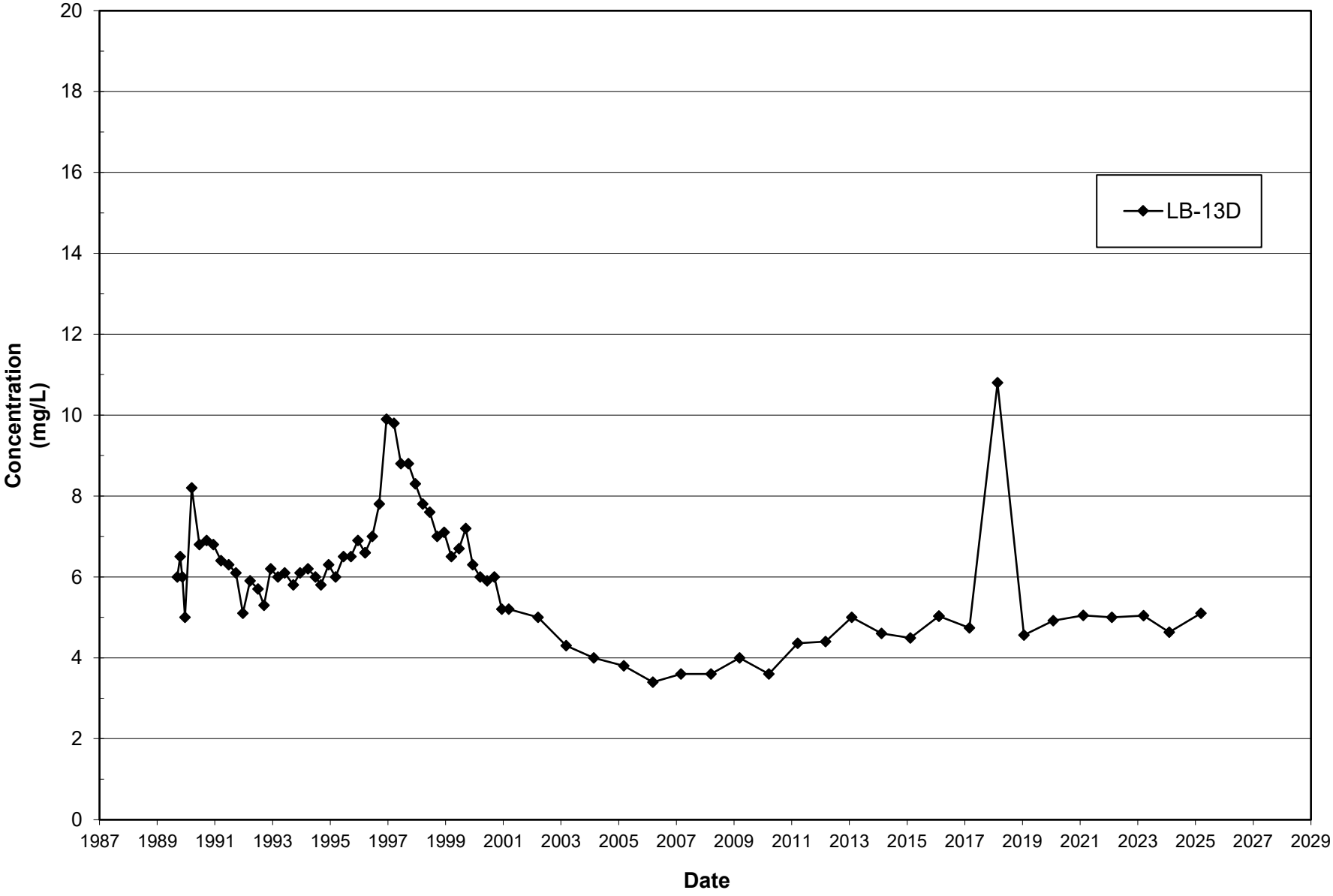


Leichner Landfill
Chloride, LB-13I
1987 - 2025



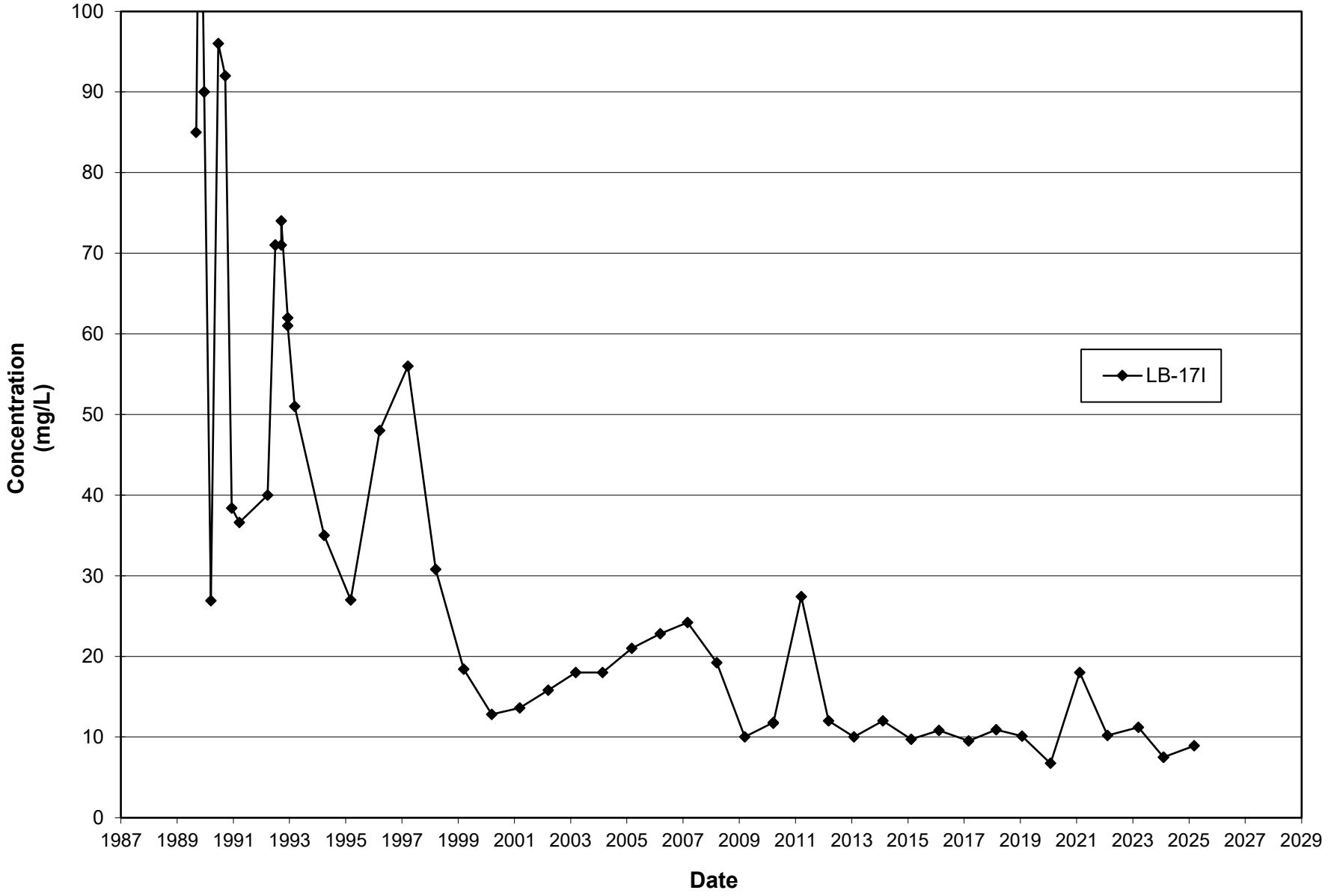
SCS Engineers, 1/16/2026

Leichner Landfill
Chloride, LB-13D
1987 - 2025



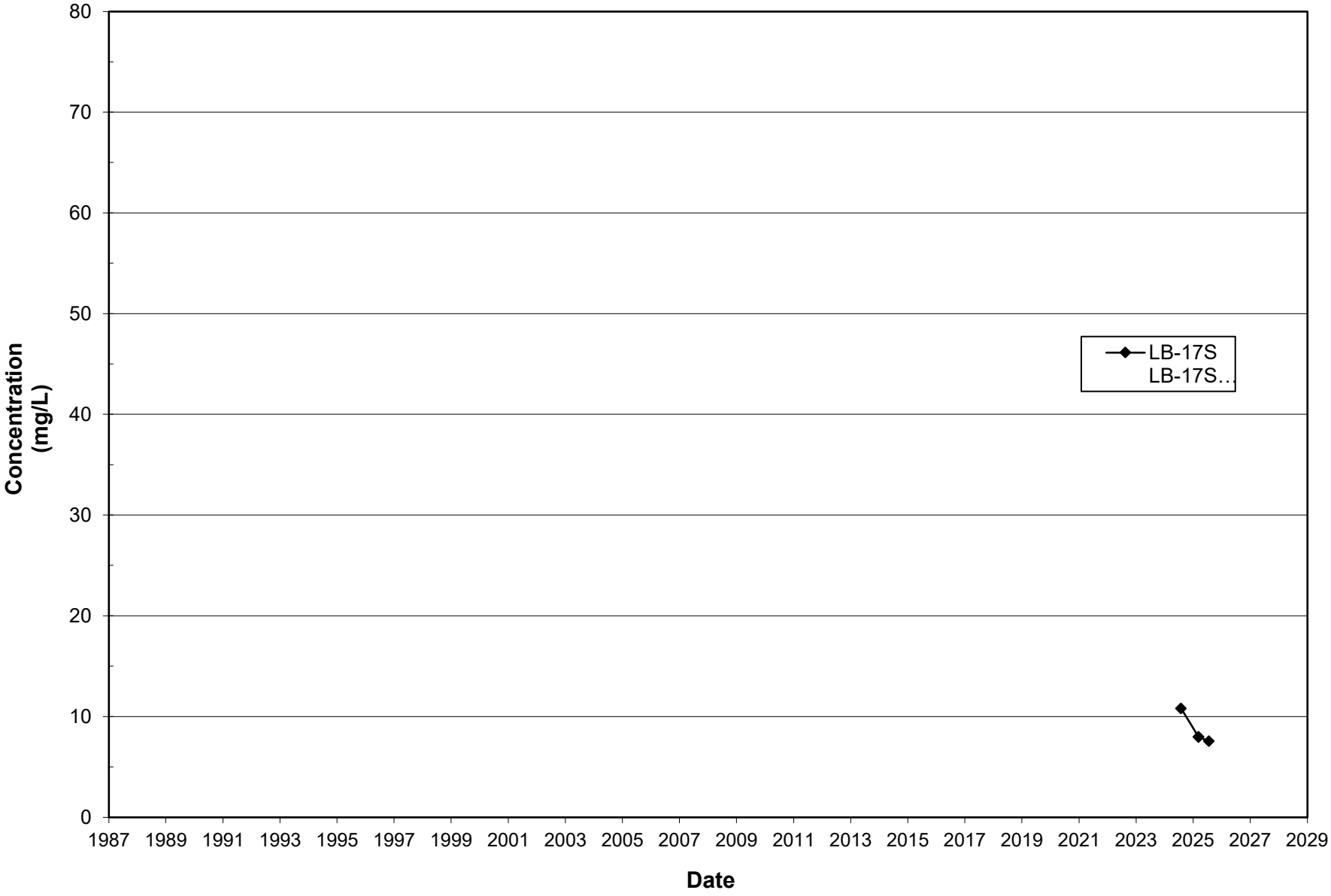
SCS Engineers, 1/16/2026

Leichner Landfill
Chloride, LB-17I
1987 - 2025

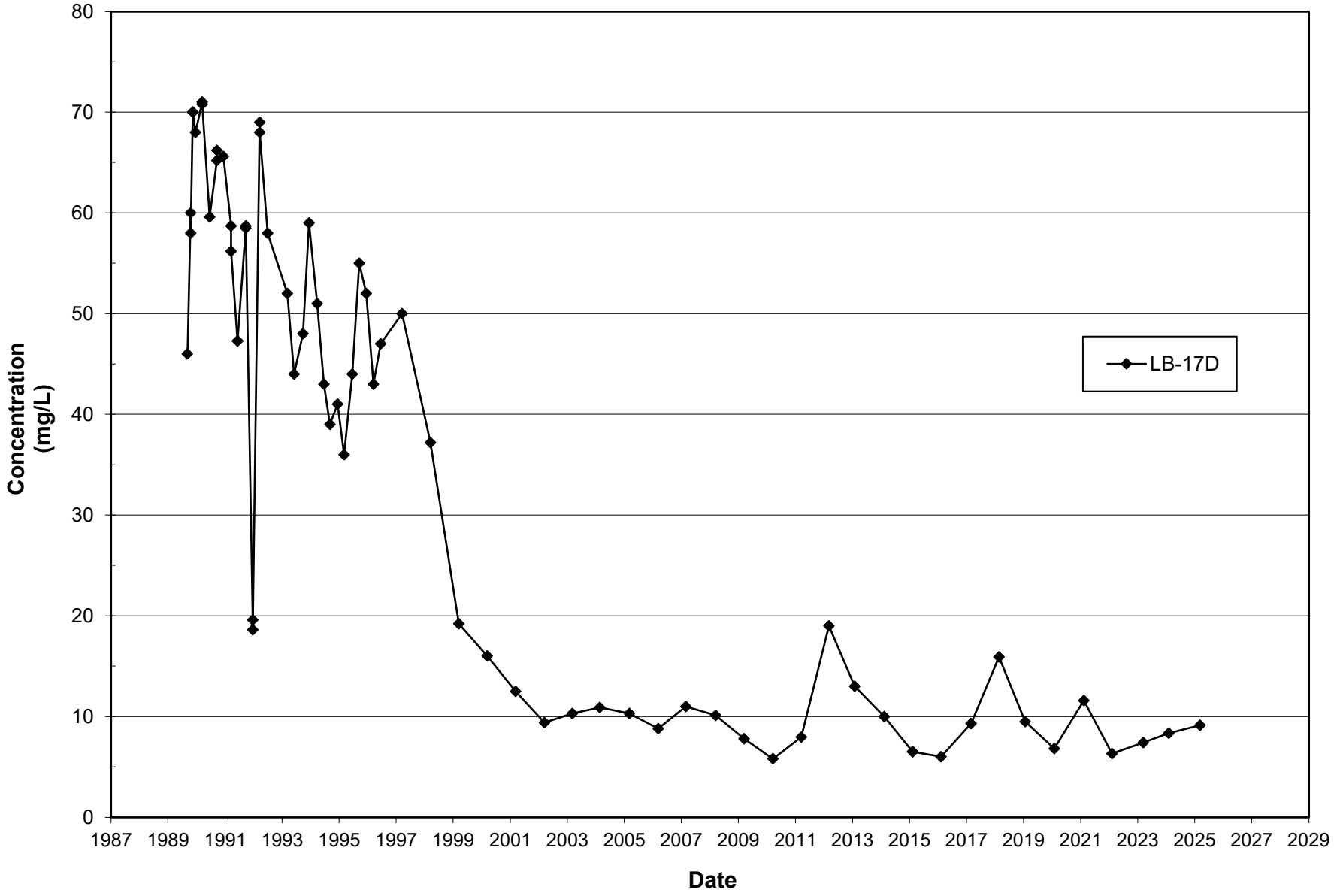


SCS Engineers, 1/16/2026

Leichner Landfill
Chloride, LB-17S
1987 - 2025

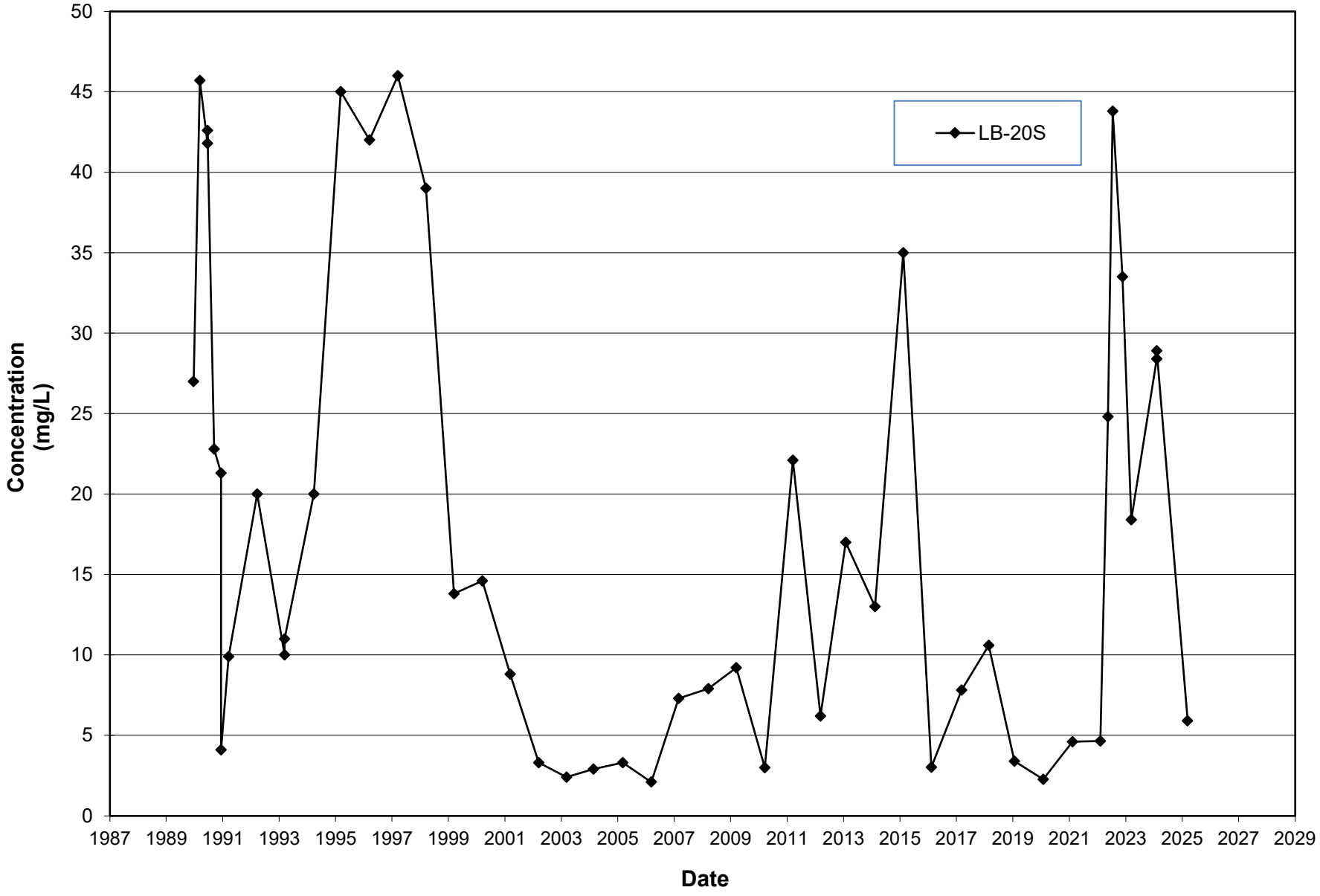


Leichner Landfill
Chloride, LB-17D
1987 - 2025



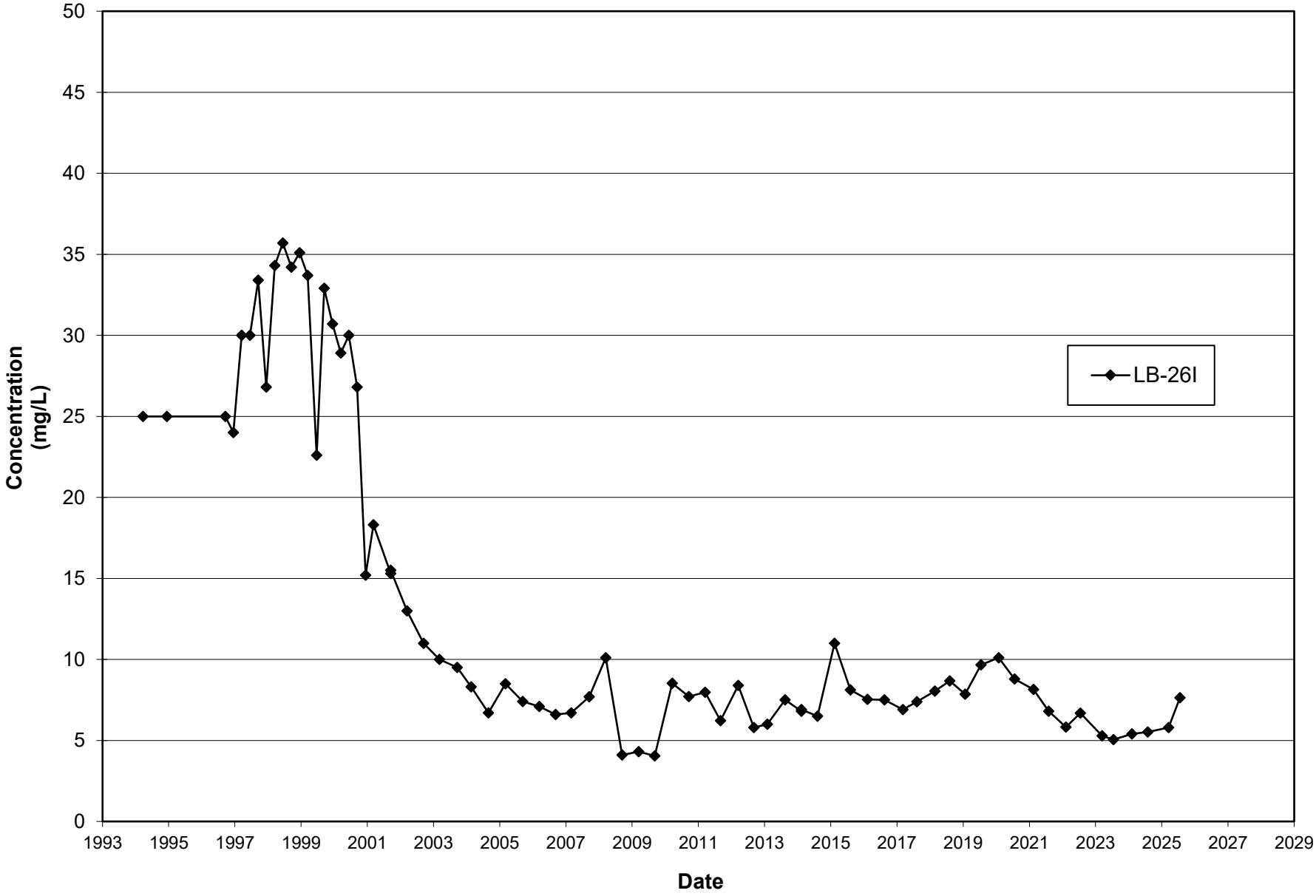
SCS Engineers, 1/16/2026

Leichner Landfill
Chloride, LB-20S
1987 - 2025



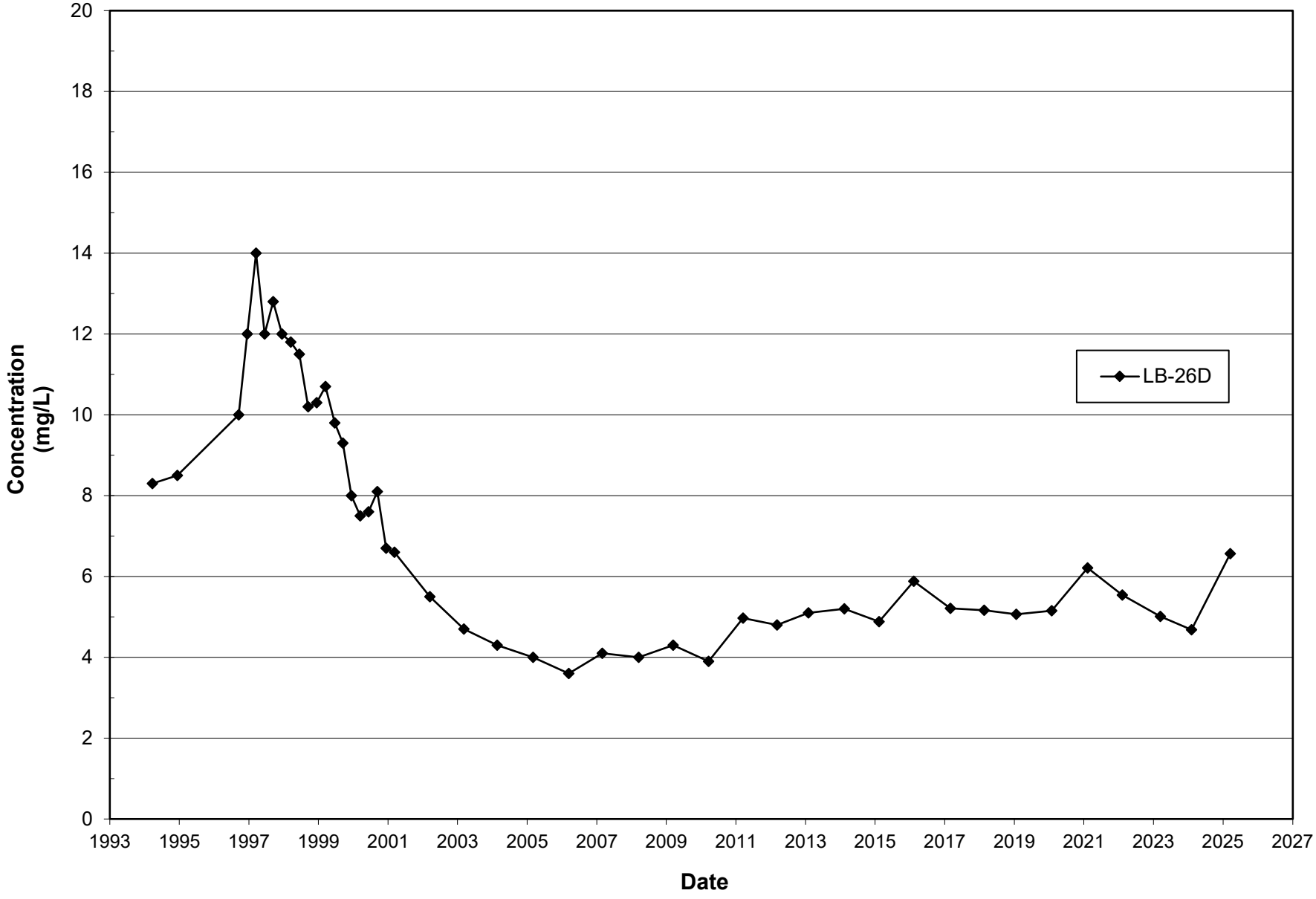
SCS Engineers, 1/16/2026

Leichner Landfill
Chloride, LB-26I
1987 - 2025



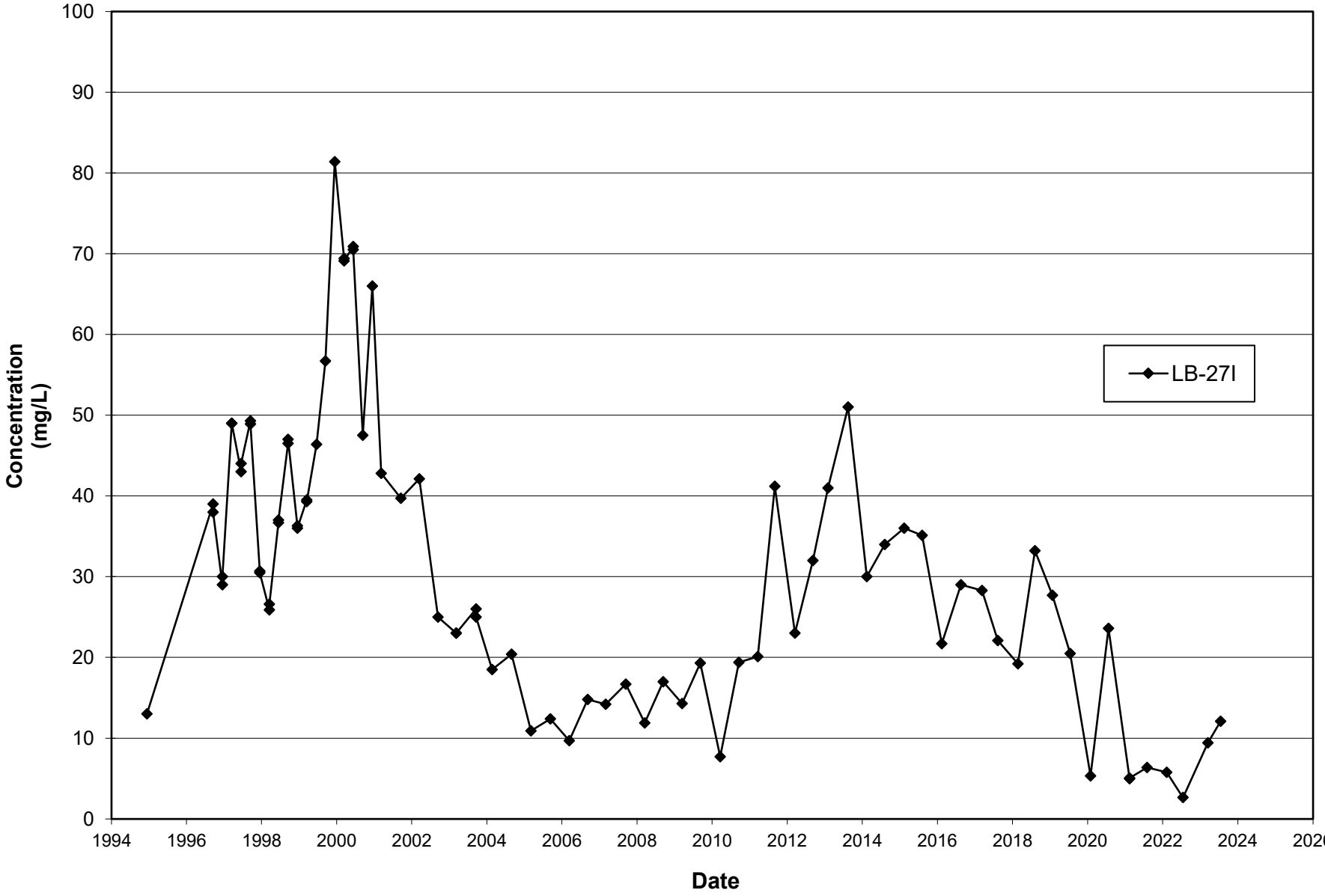
SCS Engineers, 1/16/2026

Leichner Landfill
Chloride, LB-26D
1987 - 2025



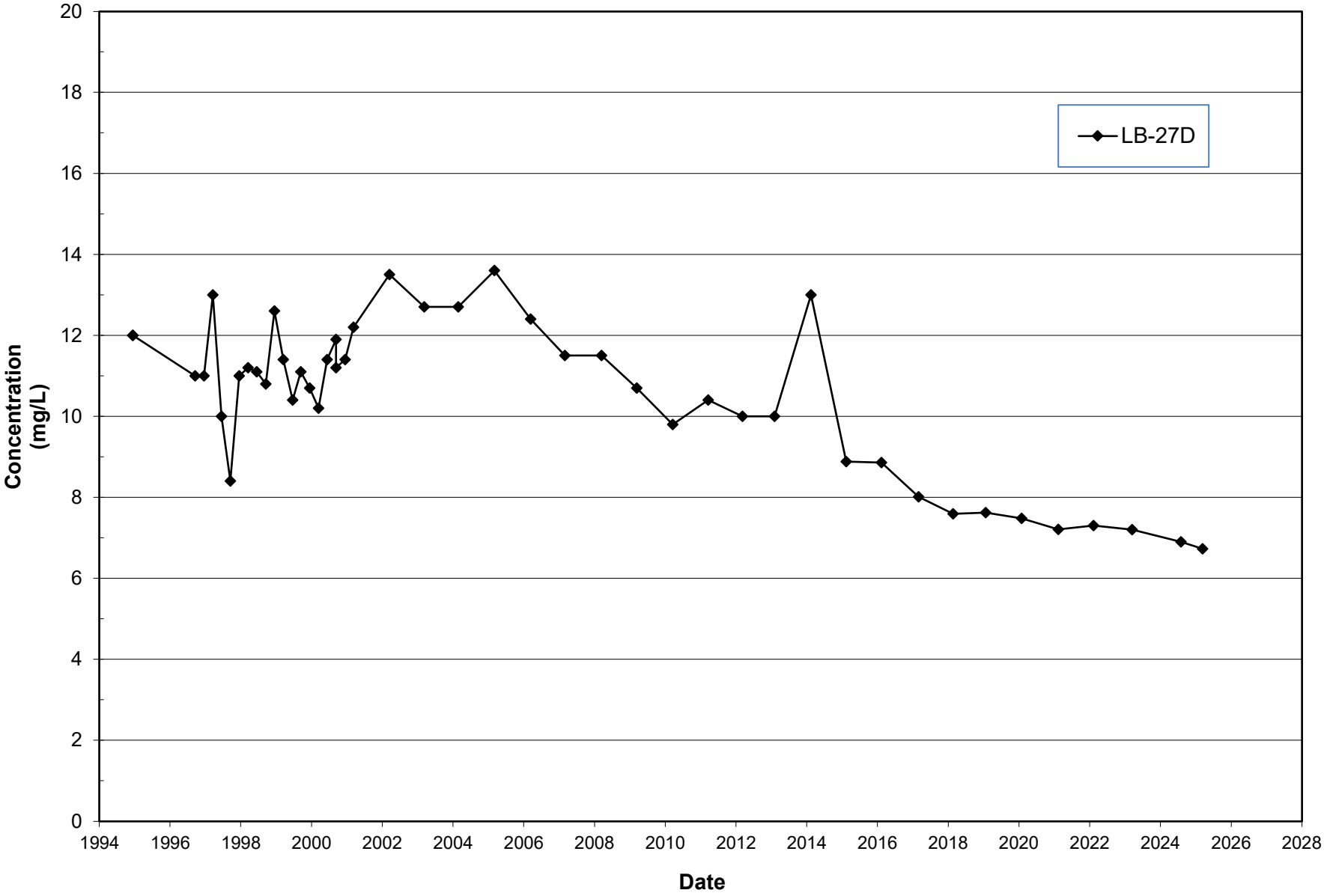
SCS Engineers, 1/16/2026

Leichner Landfill
Chloride, LB-27I
1987 - 2025



SCS Engineers, 1/16/2026

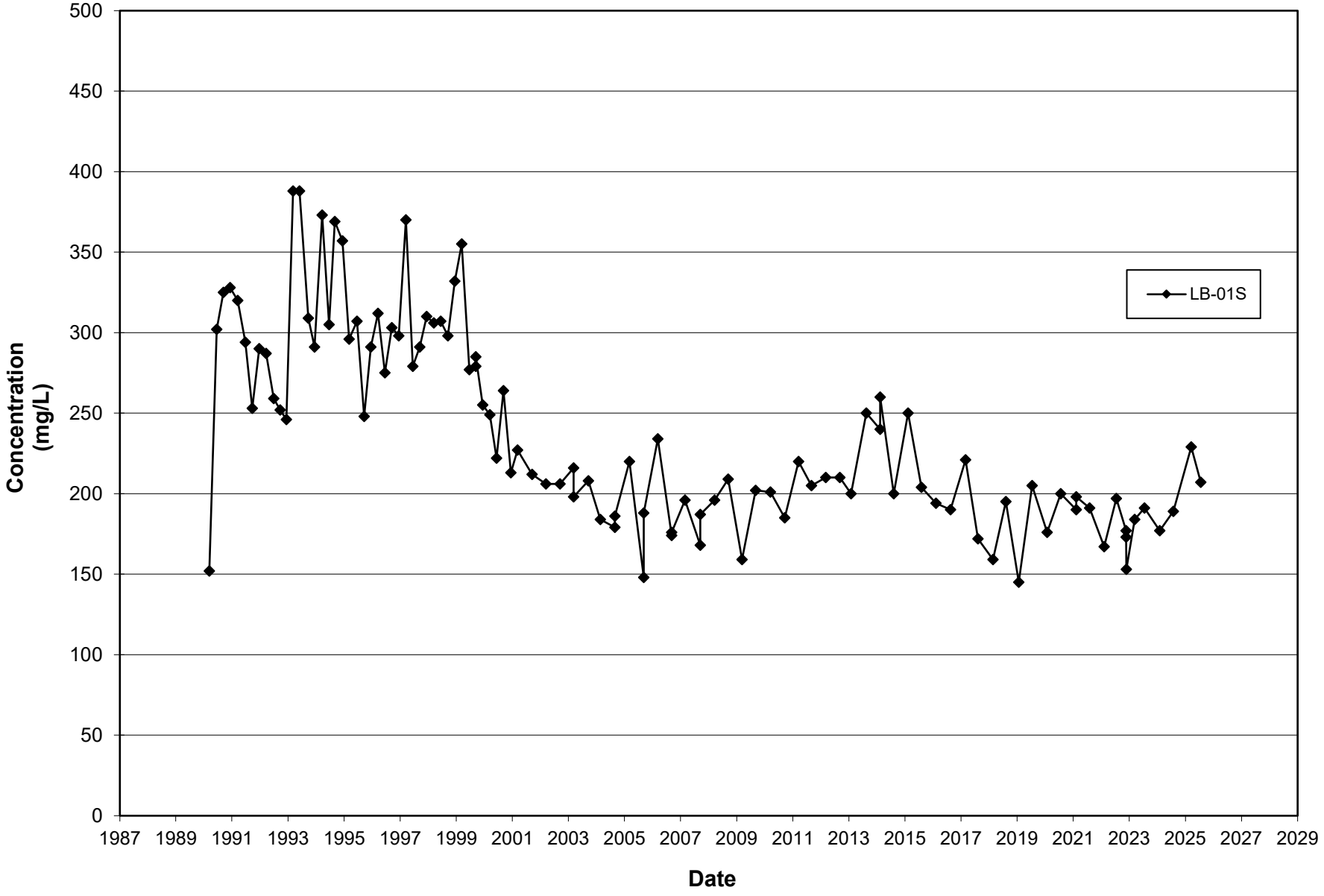
Leichner Landfill
Chloride, LB-27D
1987 - 2025



SCS Engineers, 1/16/2026

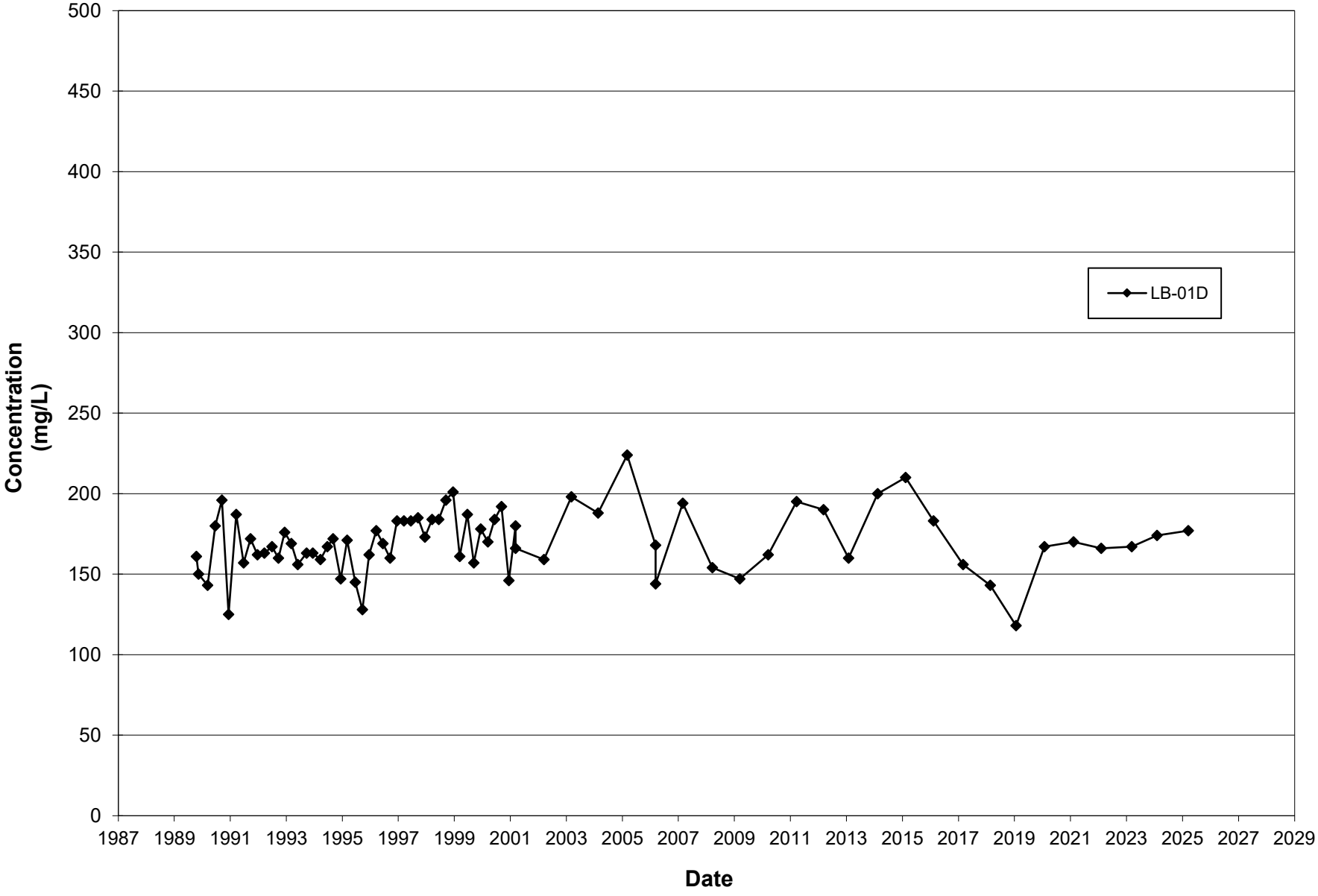
Total Dissolved Solids

Leichner Landfill
Total Dissolved Solids, LB-01S
1987 - 2025



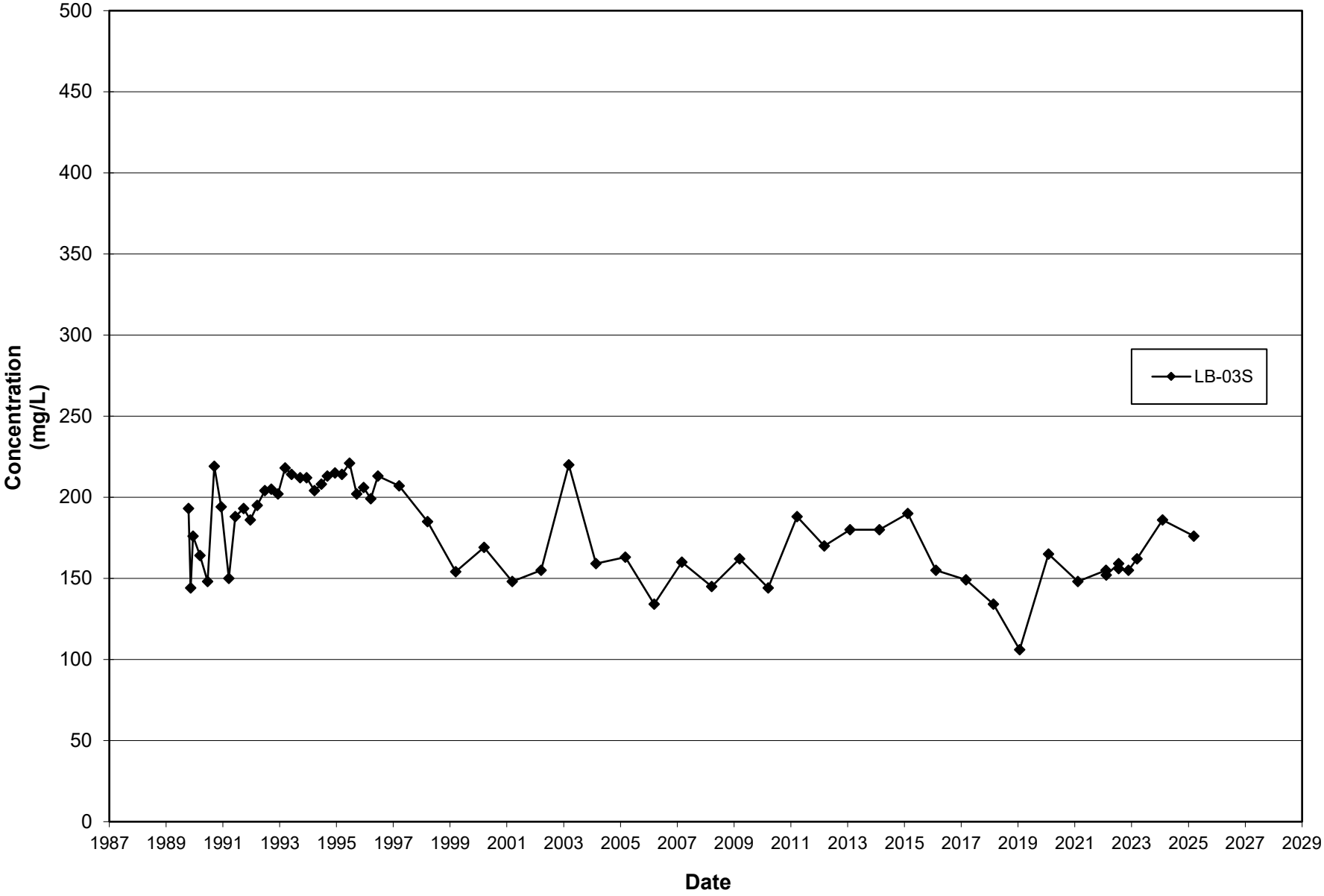
SCS Engineers, 1/22/2026

Leichner Landfill
Total Dissolved Solids, LB-01D
1987 - 2025



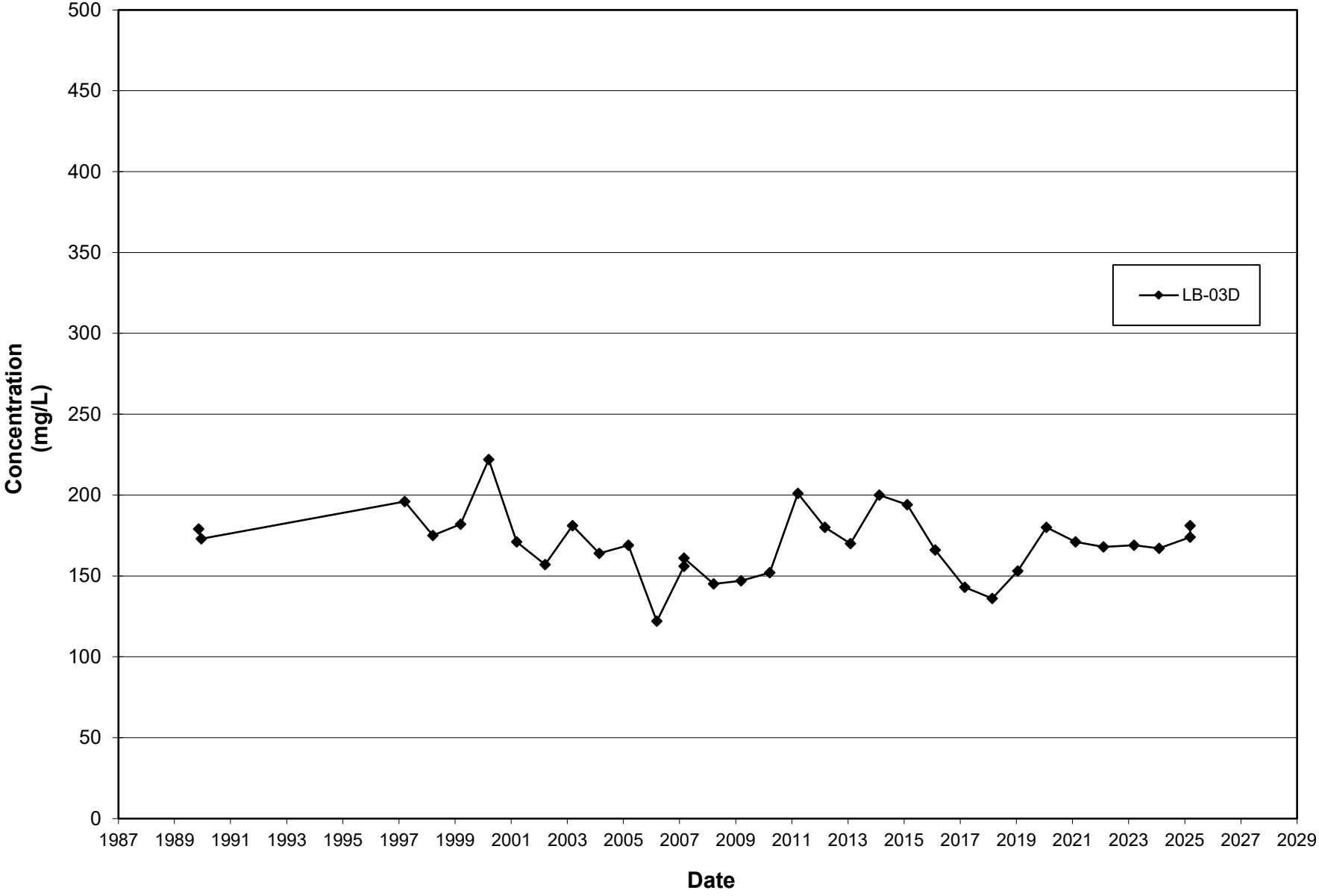
SCS Engineers, 1/22/2026

Leichner Landfill
Total Dissolved Solids, LB-03S
1987 - 2025

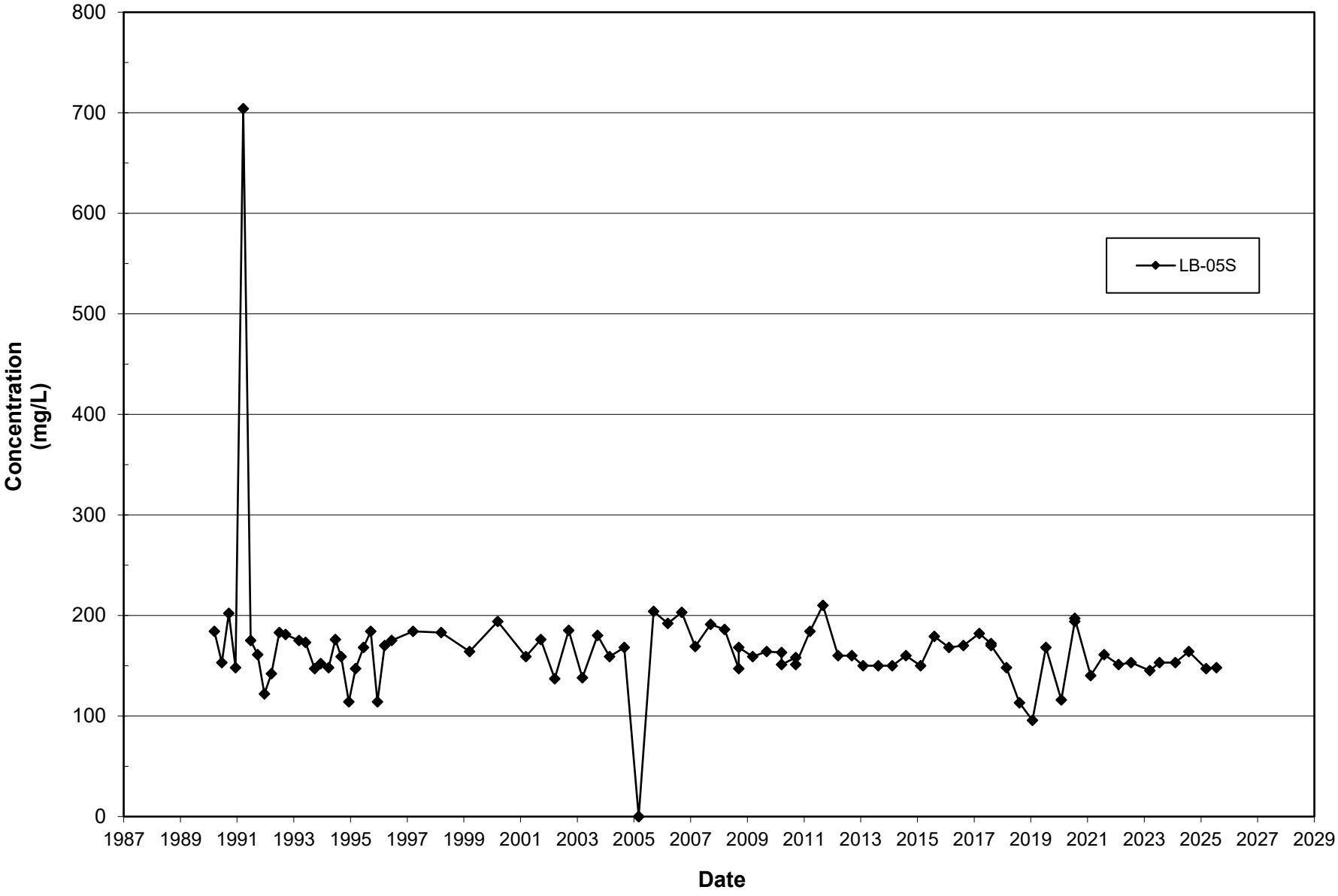


SCS Engineers, 1/22/2026

Leichner Landfill
Total Dissolved Solids, LB-03D
1987 - 2025

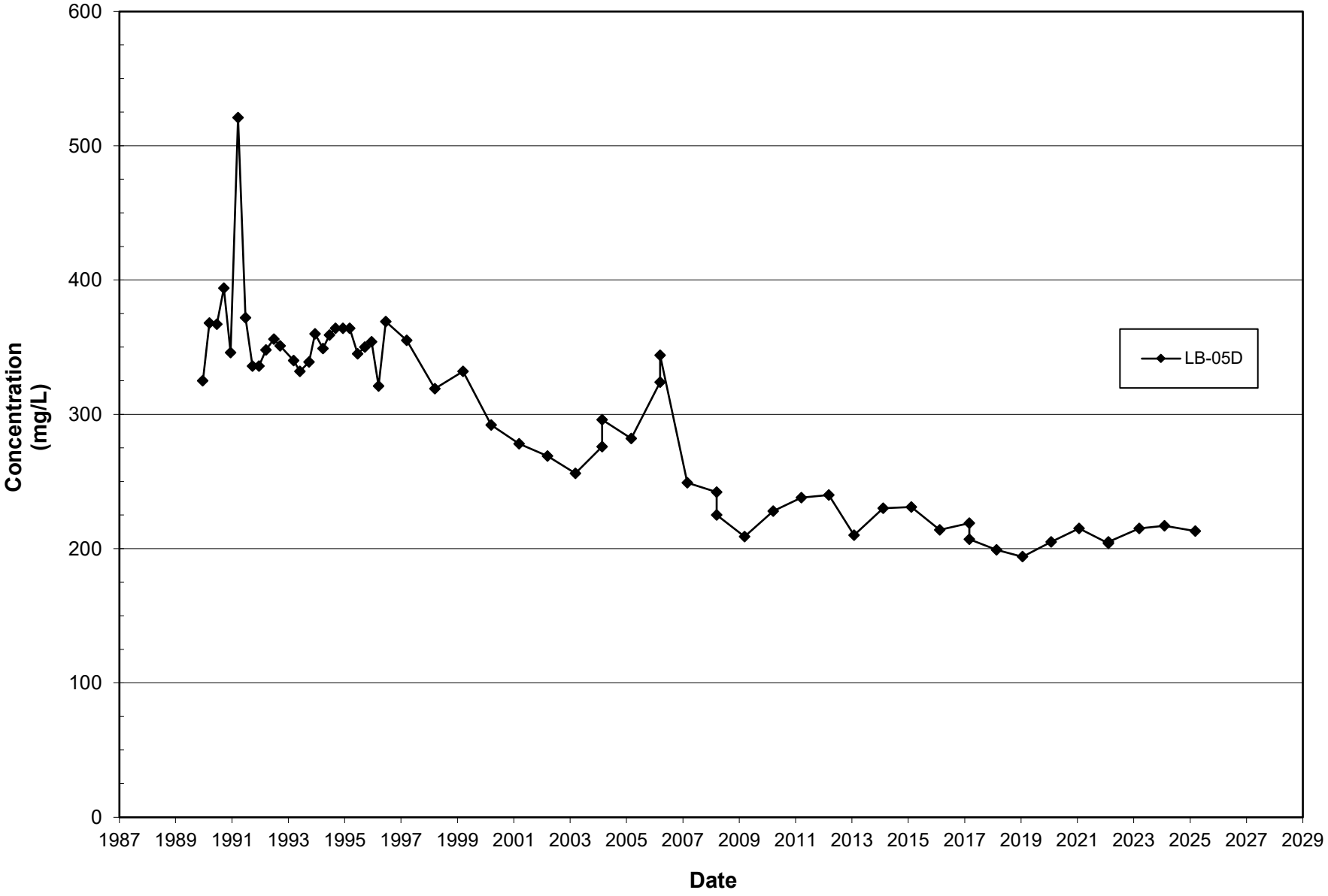


Leichner Landfill
Total Dissolved Solids, LB-05S
1987 - 2025



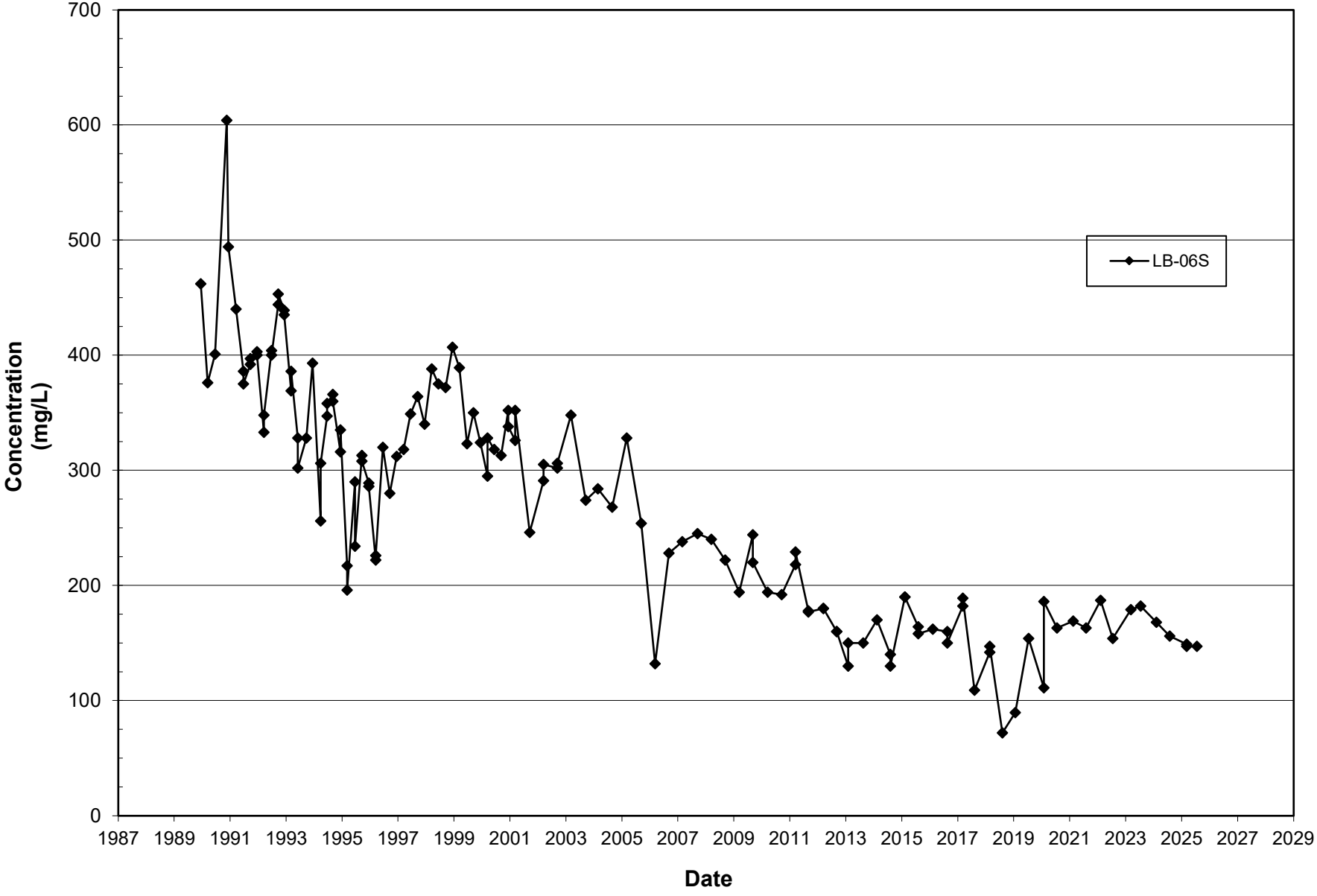
SCS Engineers, 1/22/2026

Leichner Landfill
Total Dissolved Solids, LB-05D
1987 - 2025



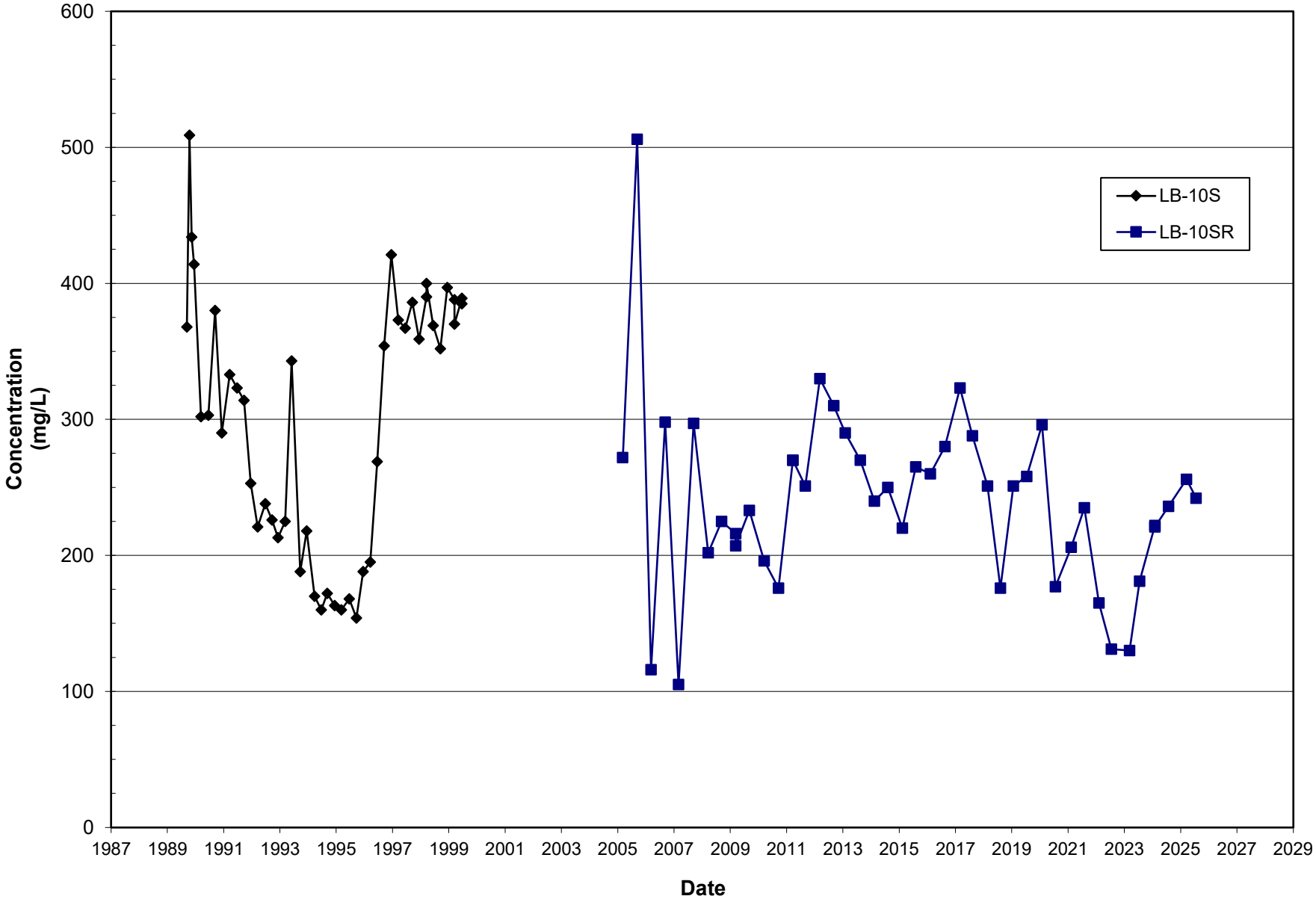
SCS Engineers, 1/22/2026

Leichner Landfill
Total Dissolved Solids, LB-06S
1987 - 2025

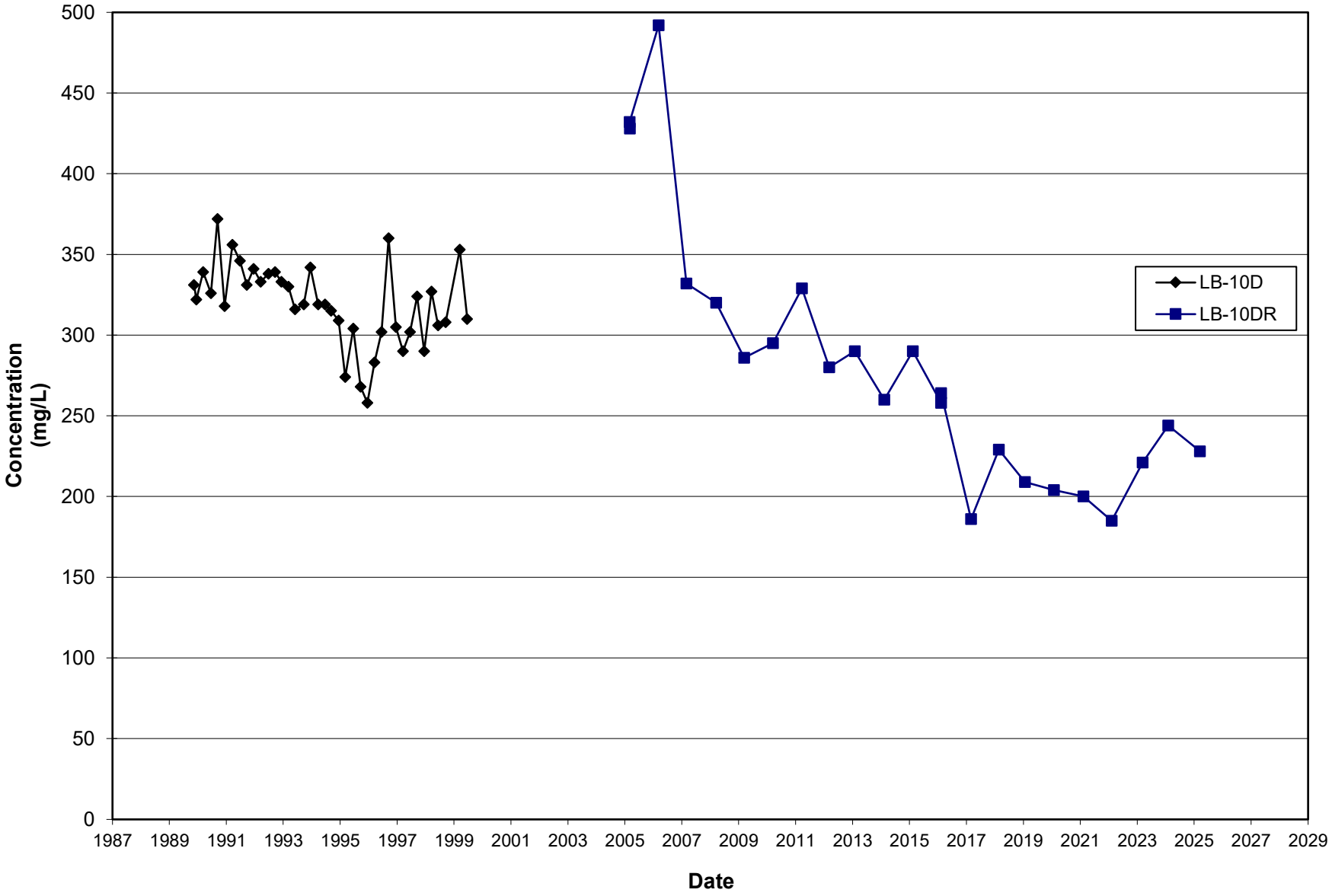


SCS Engineers, 1/22/2026

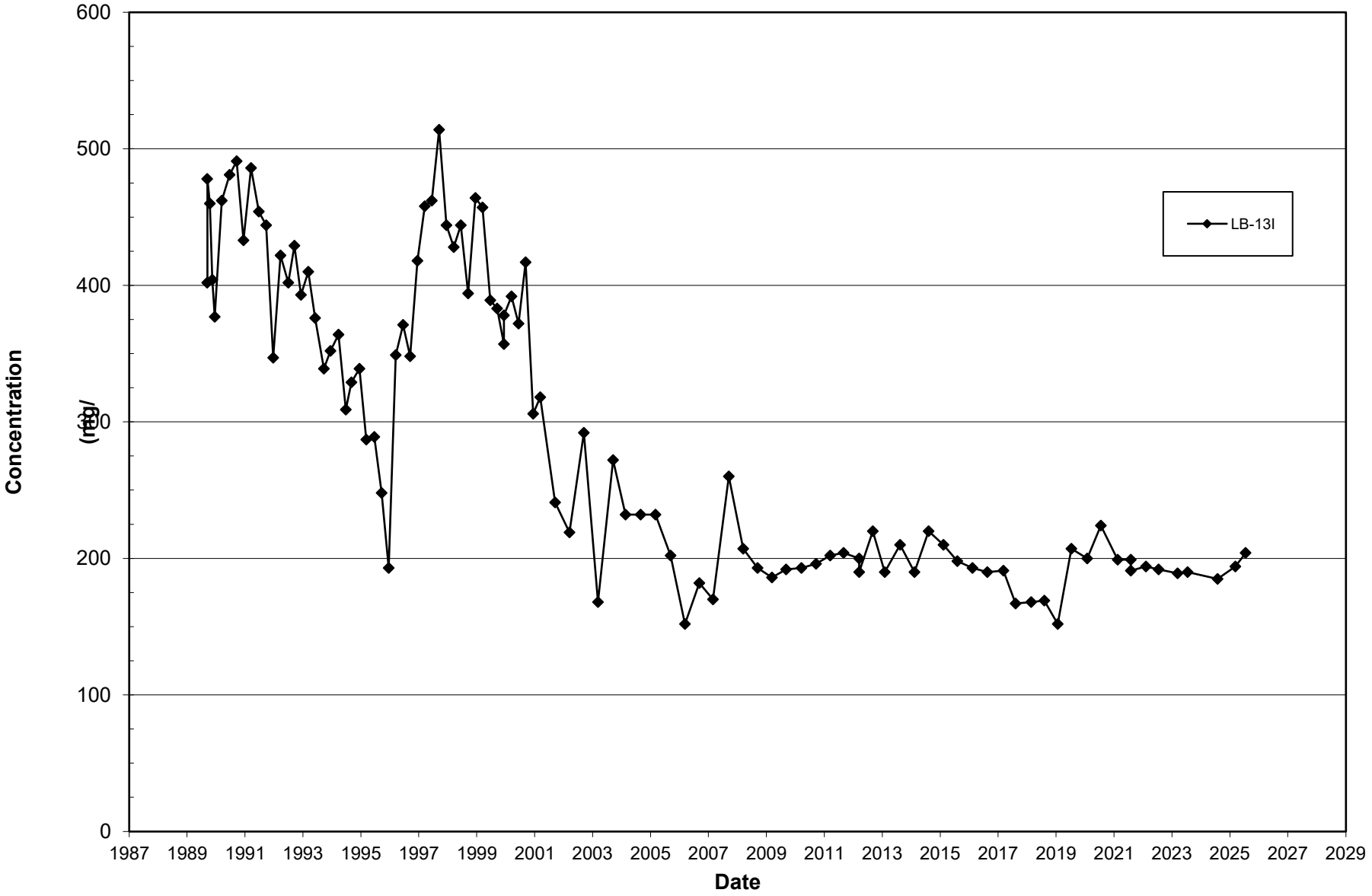
Leichner Landfill
Total Dissolved Solids, LB-10S and LB-10SR
1987 - 2025



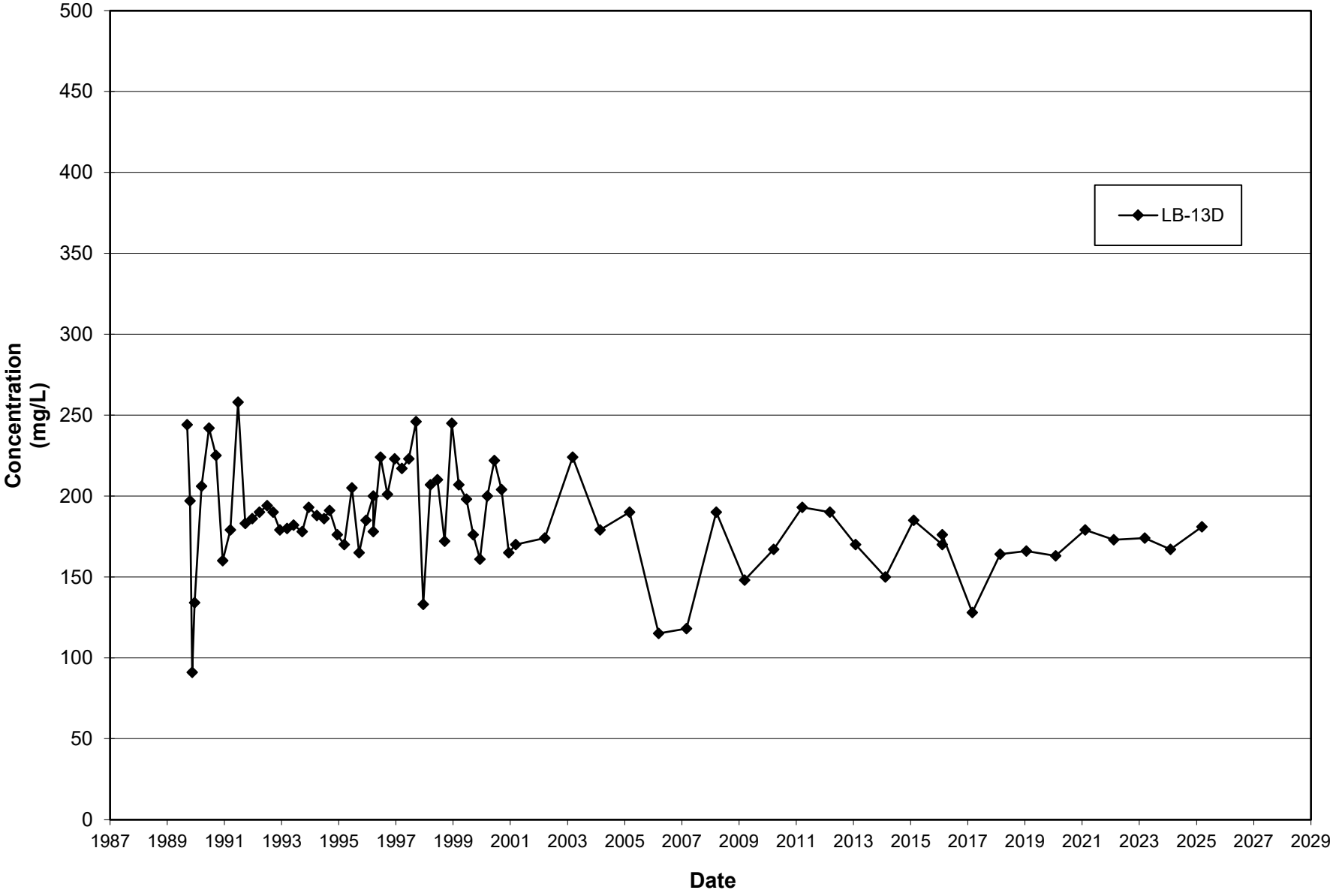
Leichner Landfill
Total Dissolved Solids, LB-10D and LB-10DR
1987 - 2025



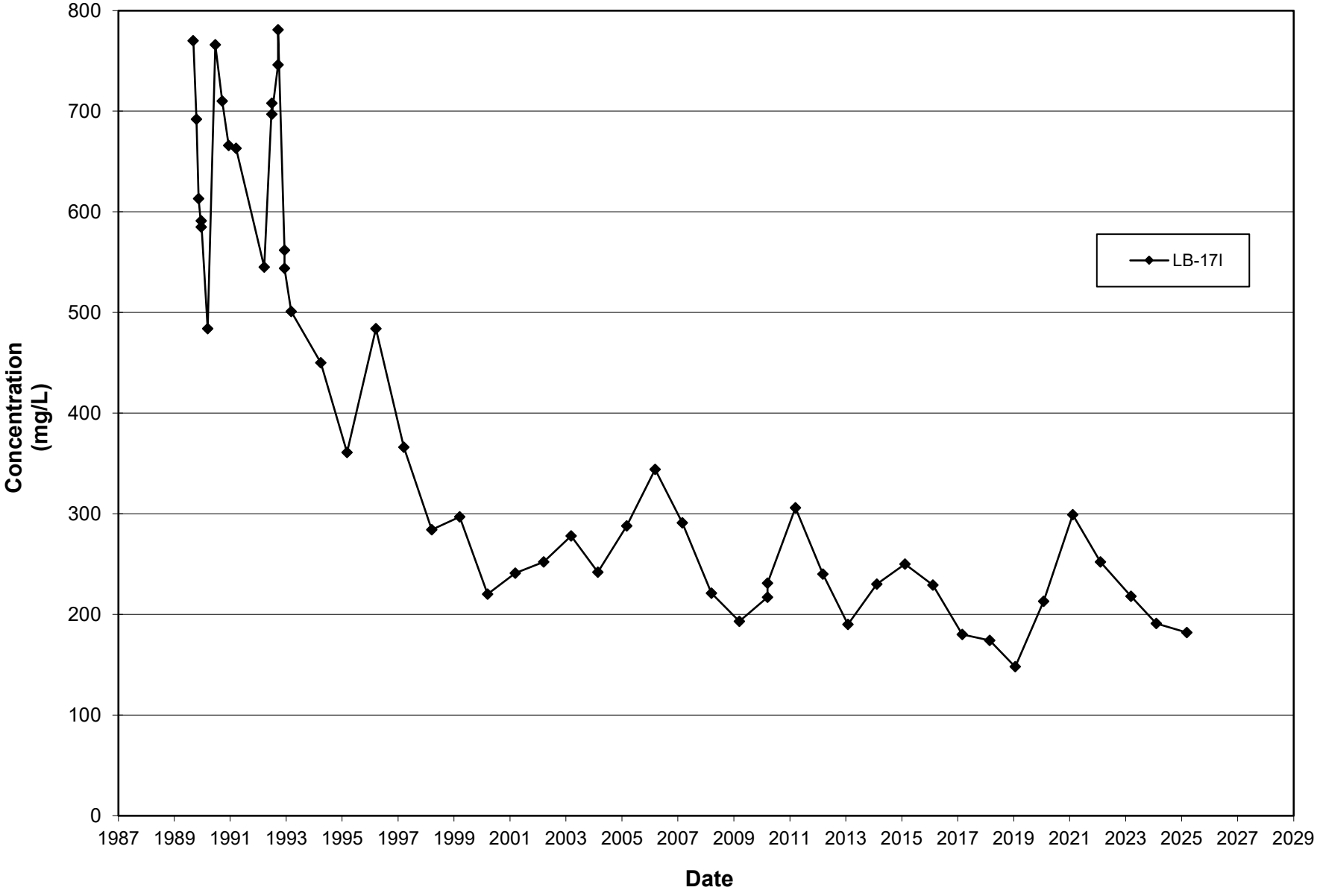
Leichner Landfill
Total Dissolved Solids, LB-13I
1987 - 2025



Leichner Landfill
Total Dissolved Solids, LB-13D
1987 - 2025

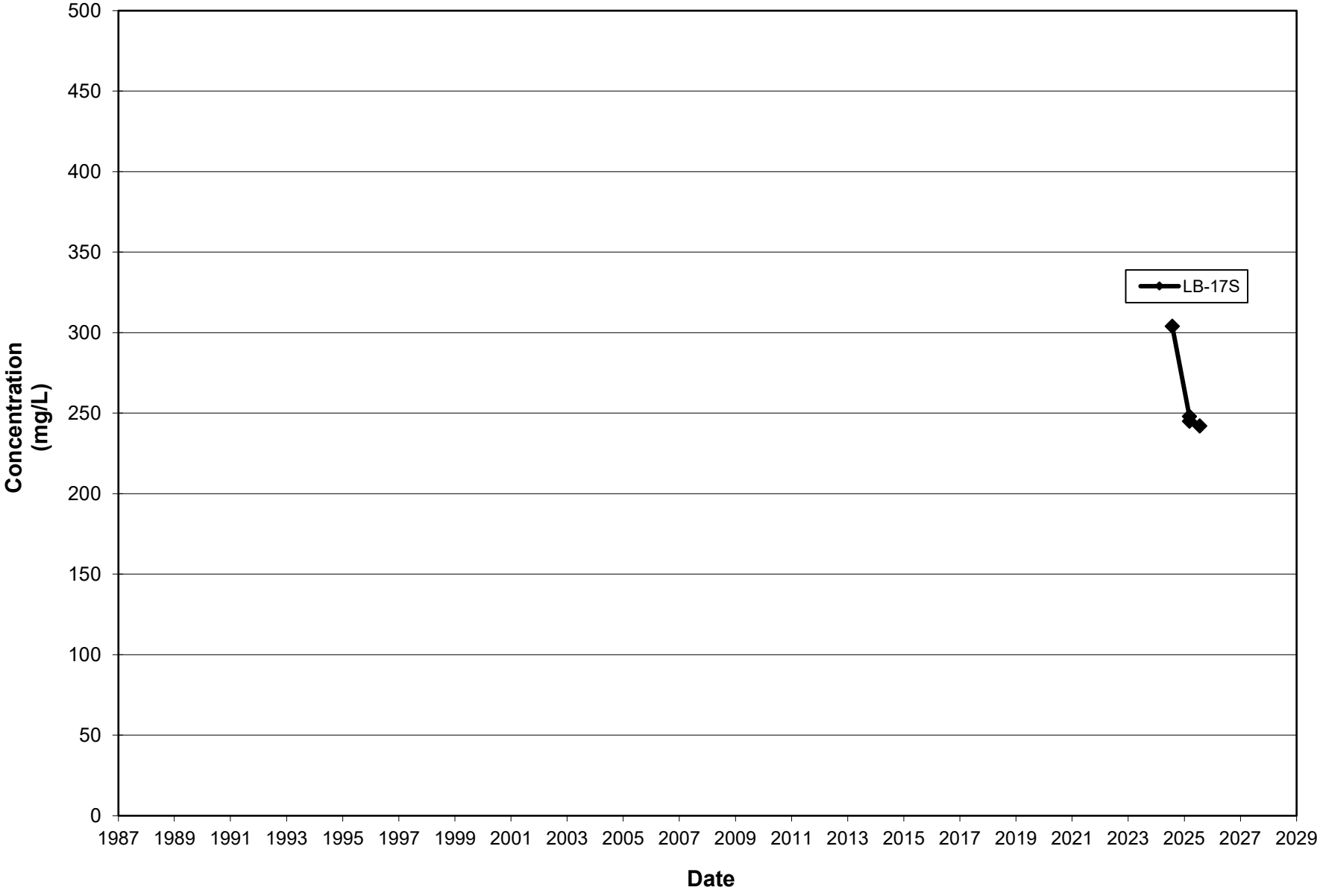


Leichner Landfill
Total Dissolved Solids, LB-17I
1987 - 2025



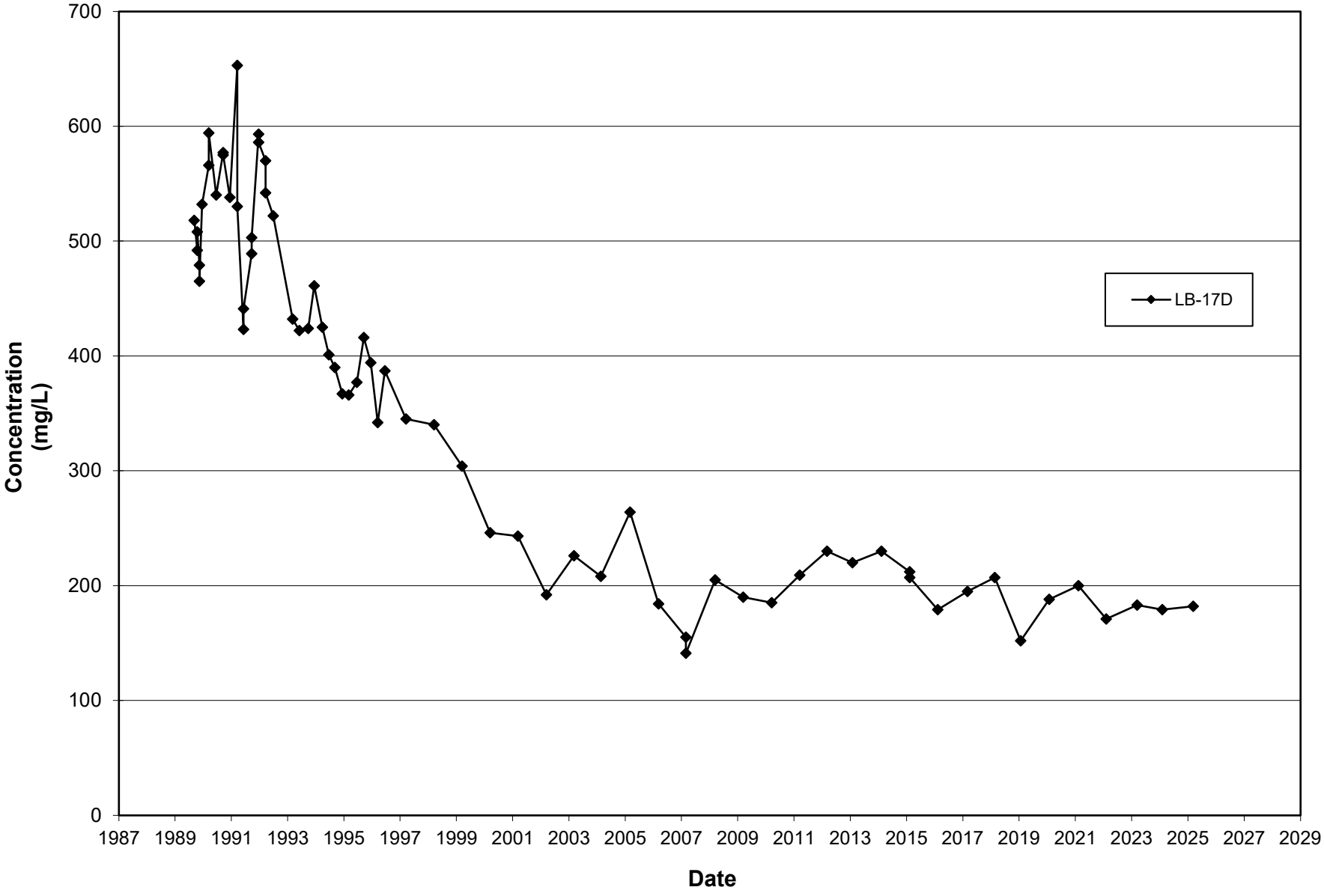
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Leichner Landfill
Total Dissolved Solids, LB-17S
1987 - 2025



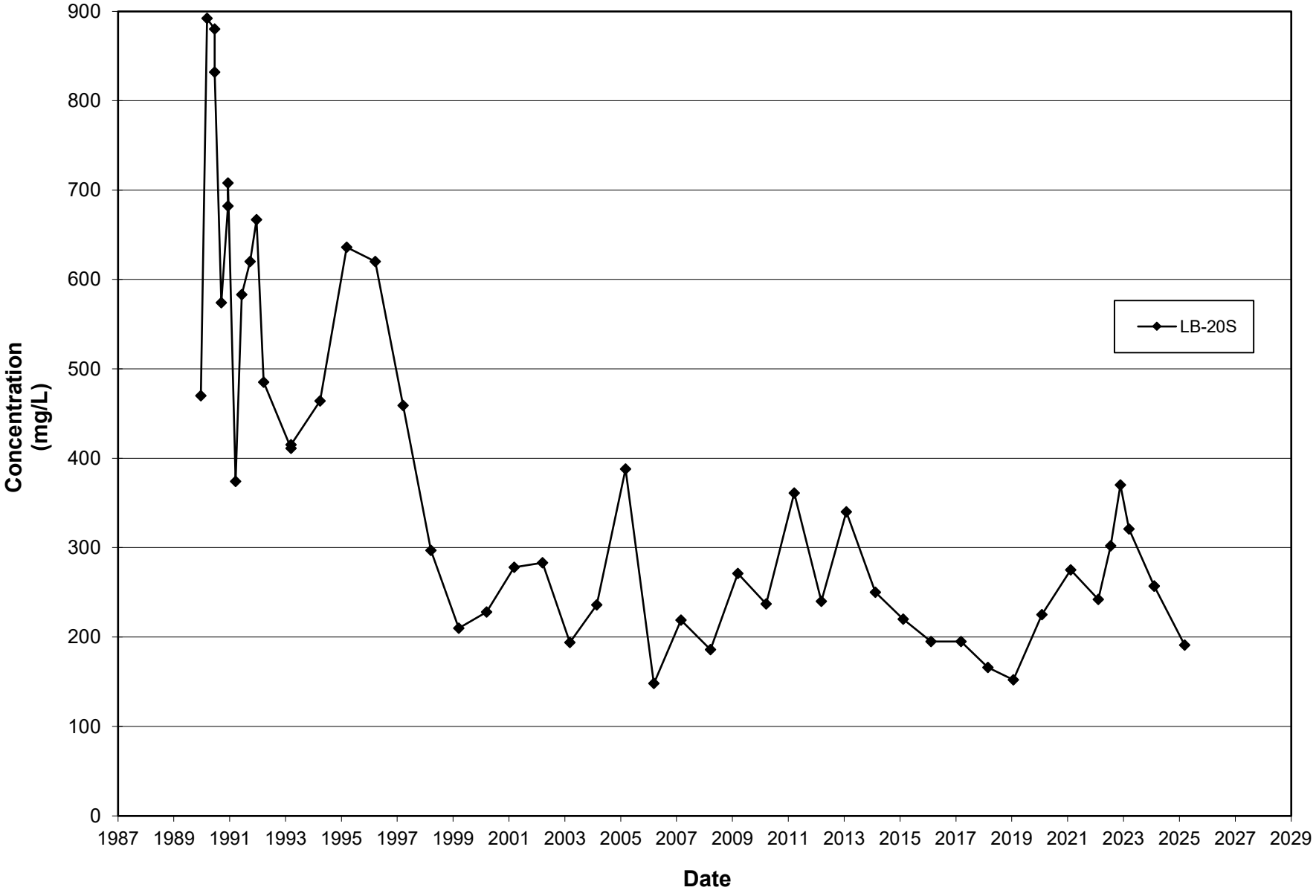
SCS Engineers, 1/22/2026

Leichner Landfill
Total Dissolved Solids, LB-17D
1987 - 2025

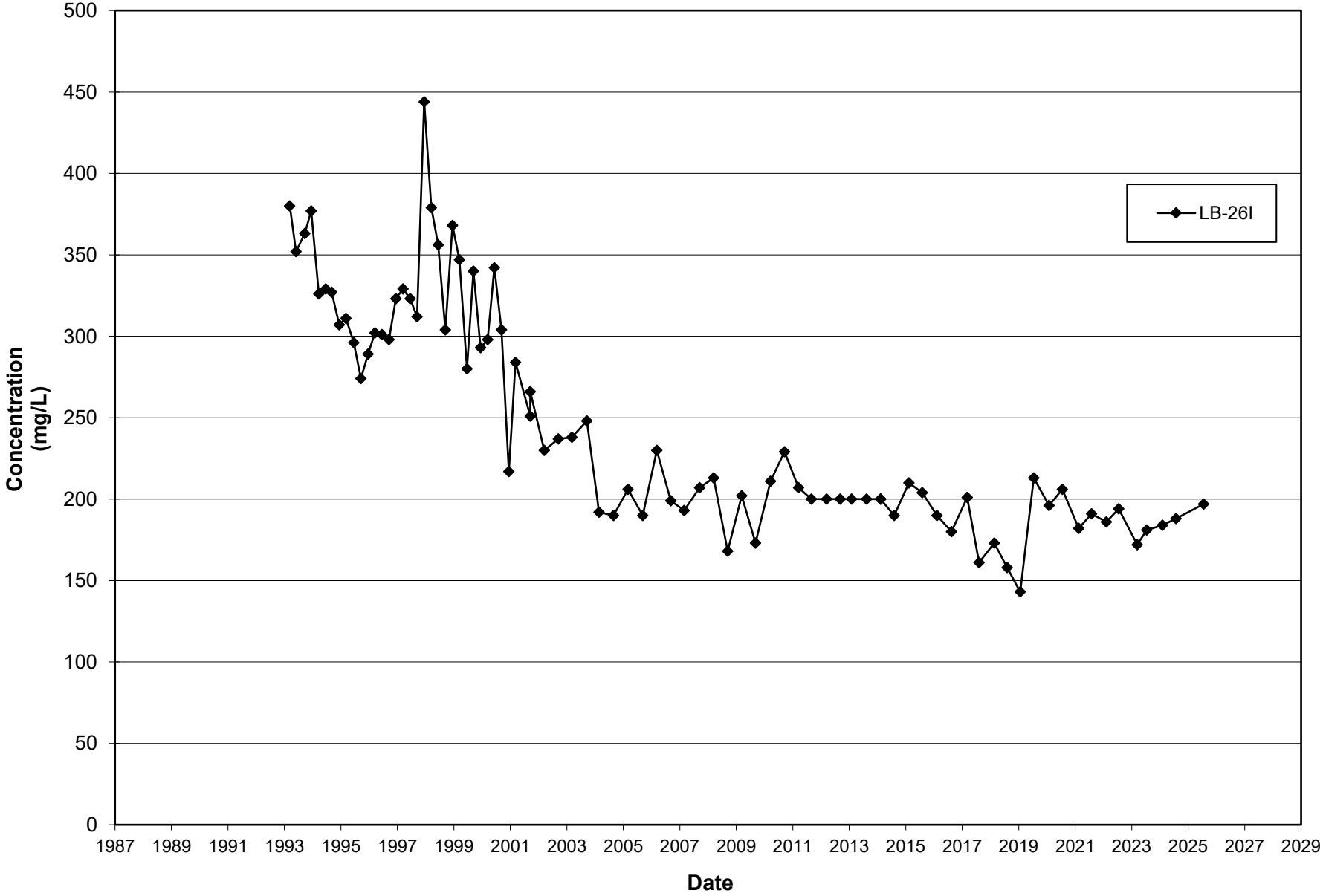


SCS Engineers, 1/22/2026

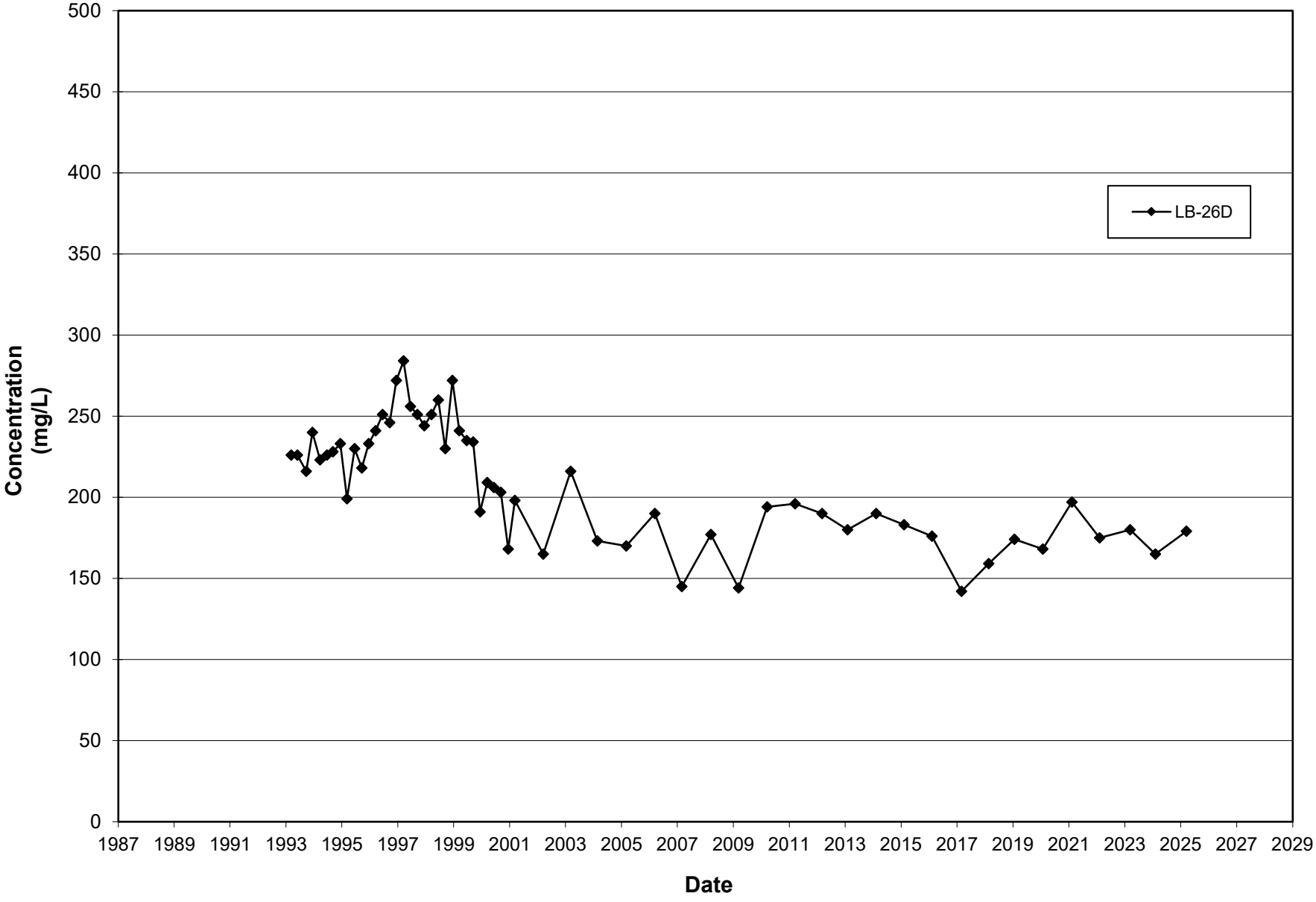
Leichner Landfill
Total Dissolved Solids, LB-20S
1987 - 2025



Leichner Landfill
Total Dissolved Solids, LB-26I
1987 - 2025

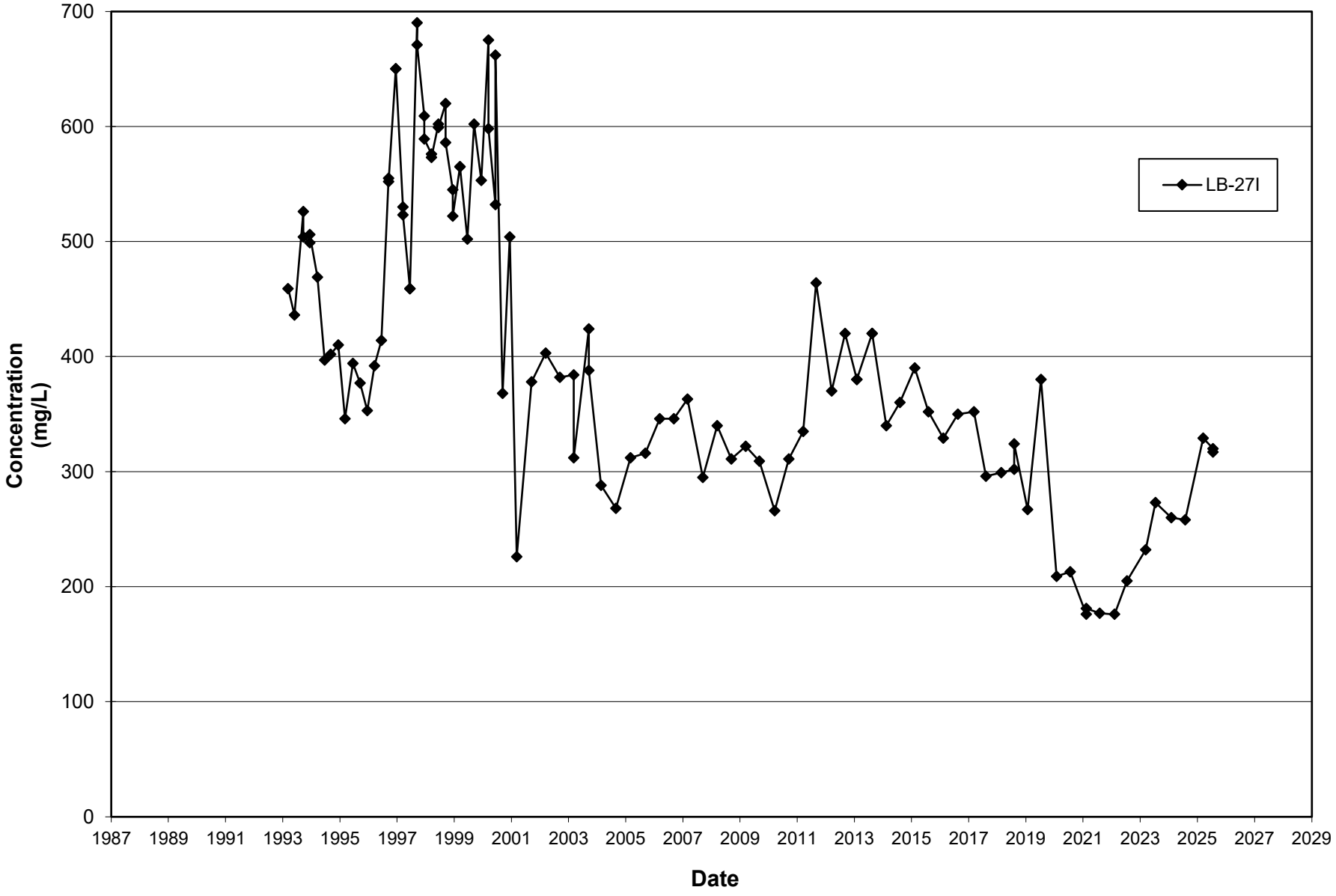


Leichner Landfill
Total Dissolved Solids, LB-26D
1987 - 2025



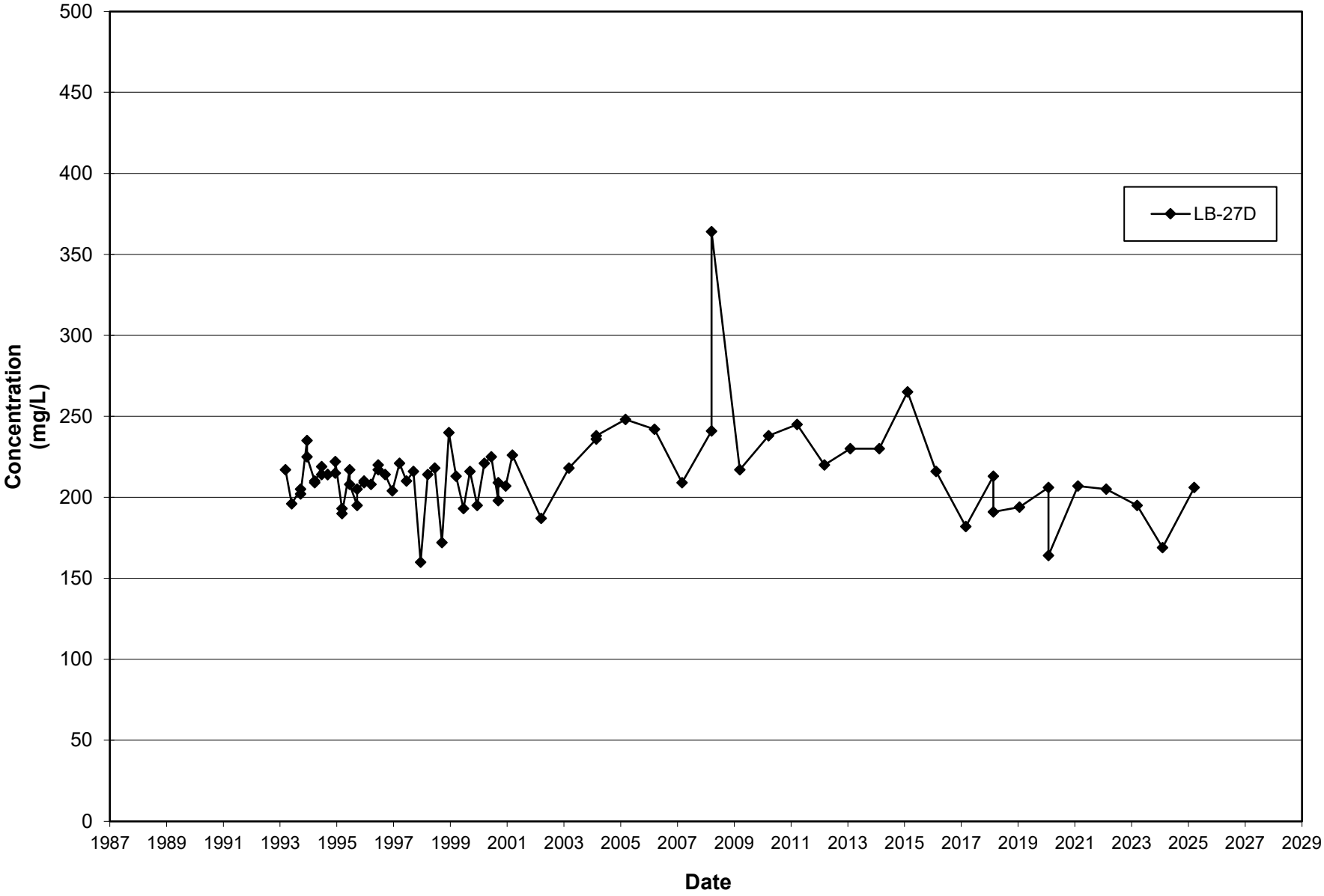
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Leichner Landfill
Total Dissolved Solids, LB-27I
1987 - 2025



SCS Engineers, 1/22/2026

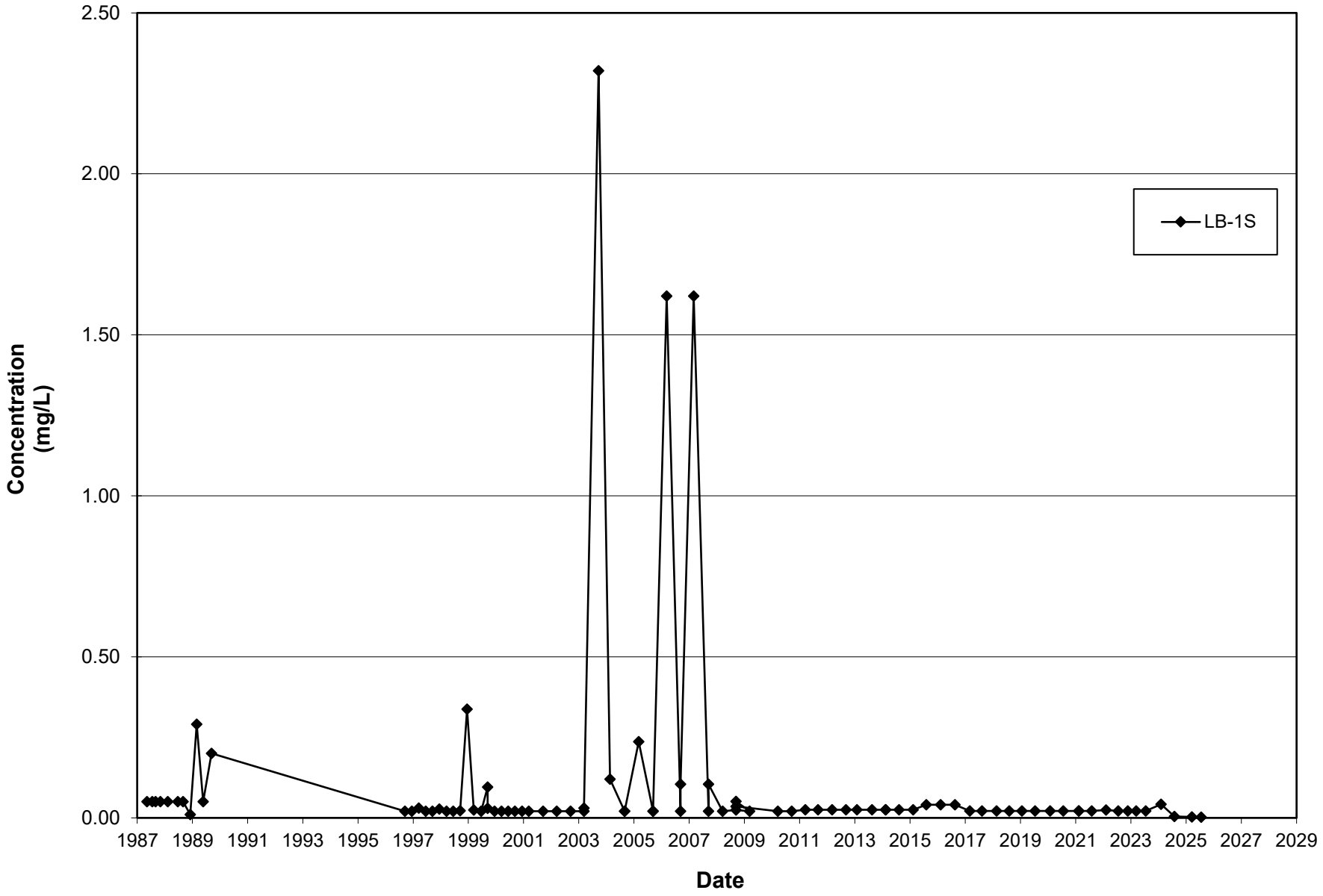
Leichner Landfill
Total Dissolved Solids, LB-27D
1987 - 2025



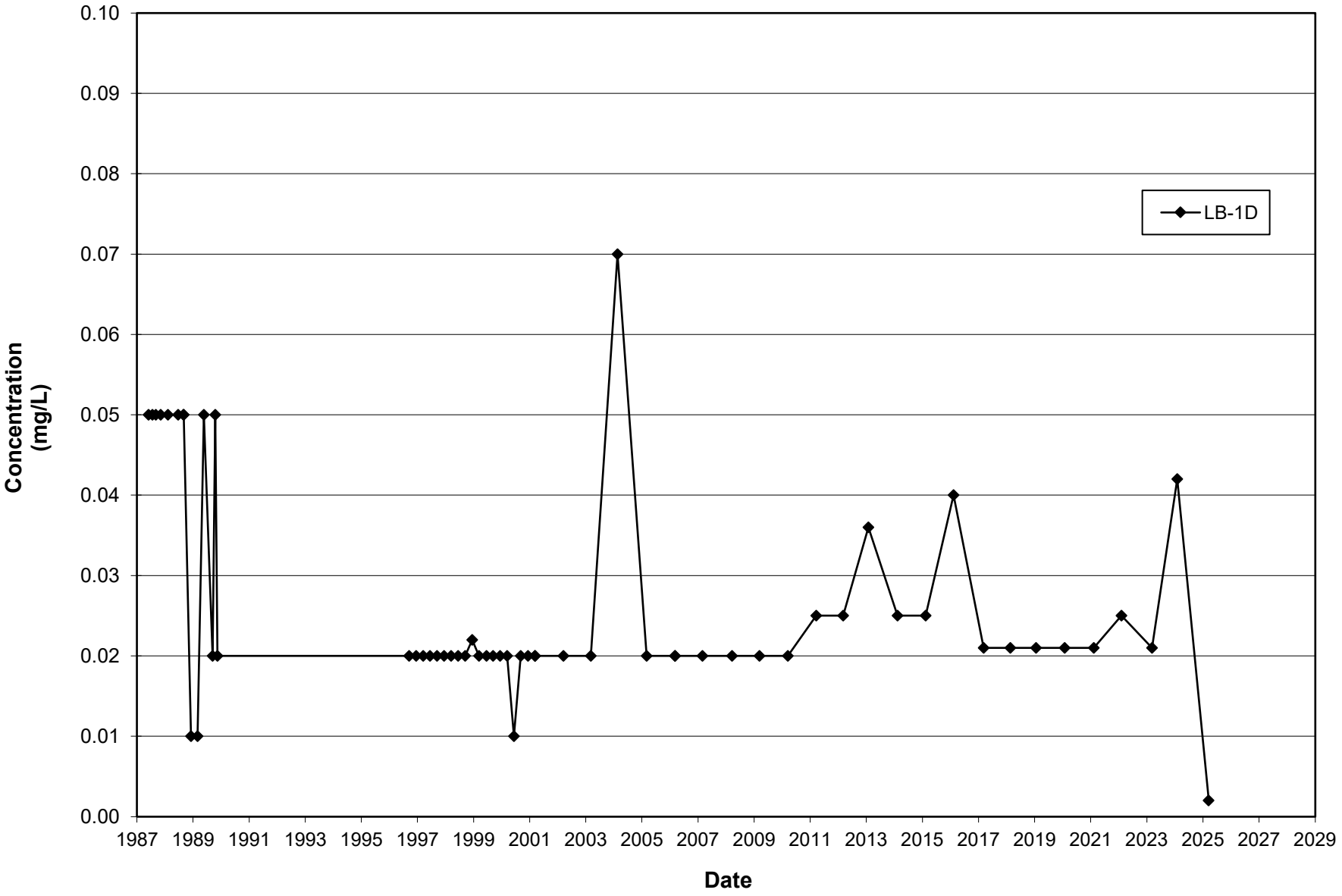
SCS Engineers, 1/22/2026

Dissolved Iron

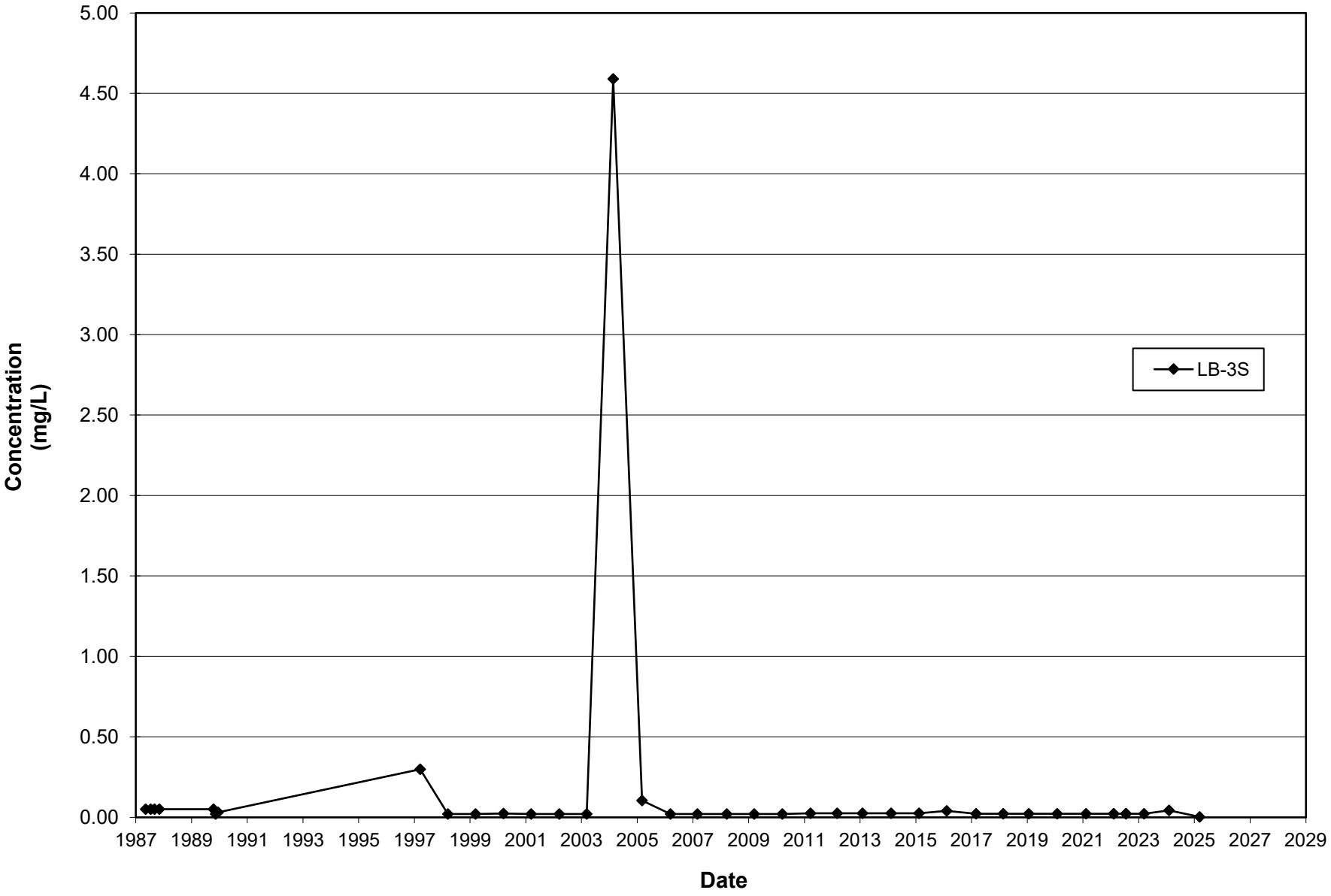
Leichner Landfill
Dissolved Iron, LB-01S
1987 - 2025



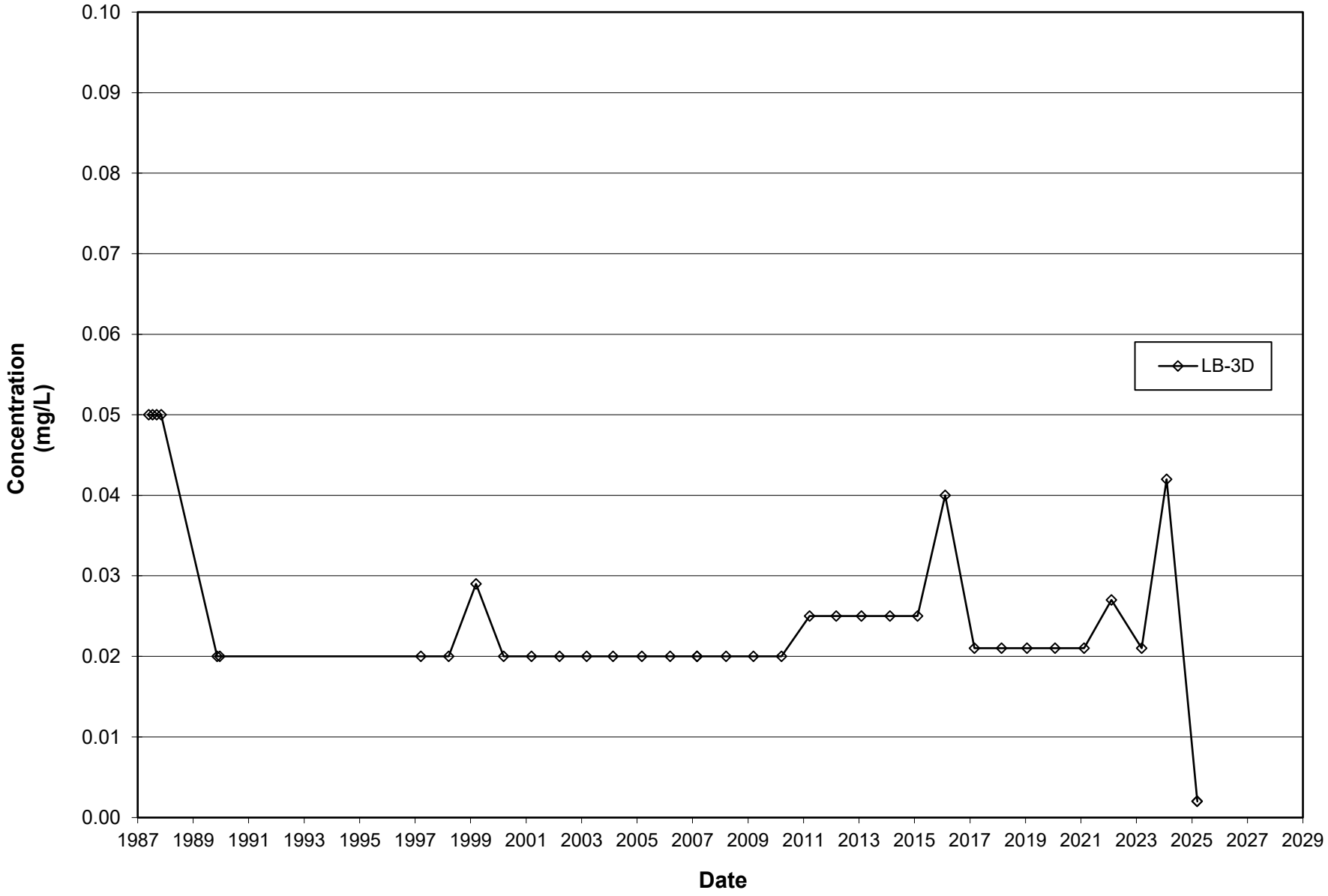
Leichner Landfill
Dissolved Iron, LB-01D
1987 - 2025



Leichner Landfill
Dissolved Iron, LB-03S
1987 - 2025

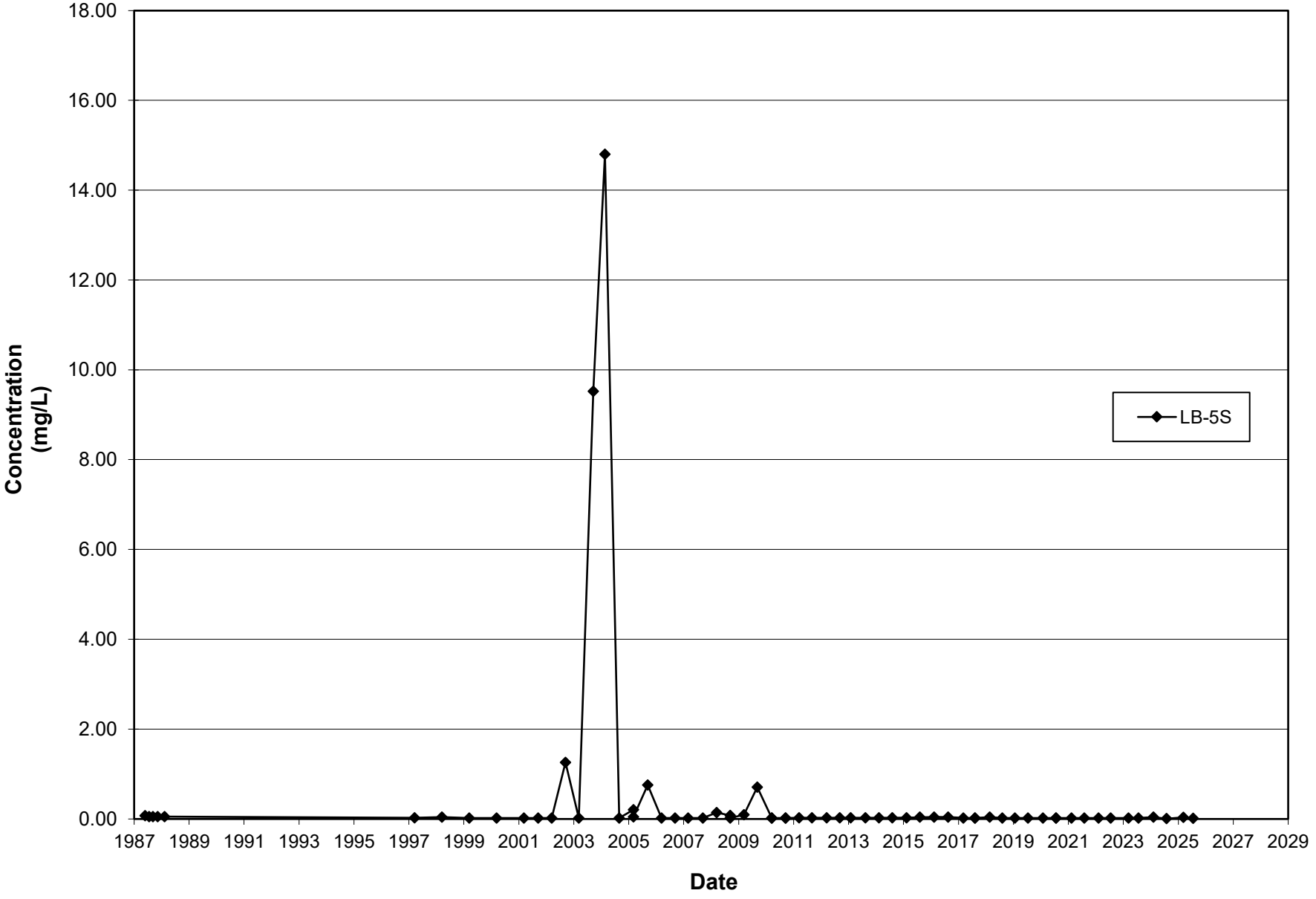


Leichner Landfill
Dissolved Iron, LB-03D
1987 - 2025

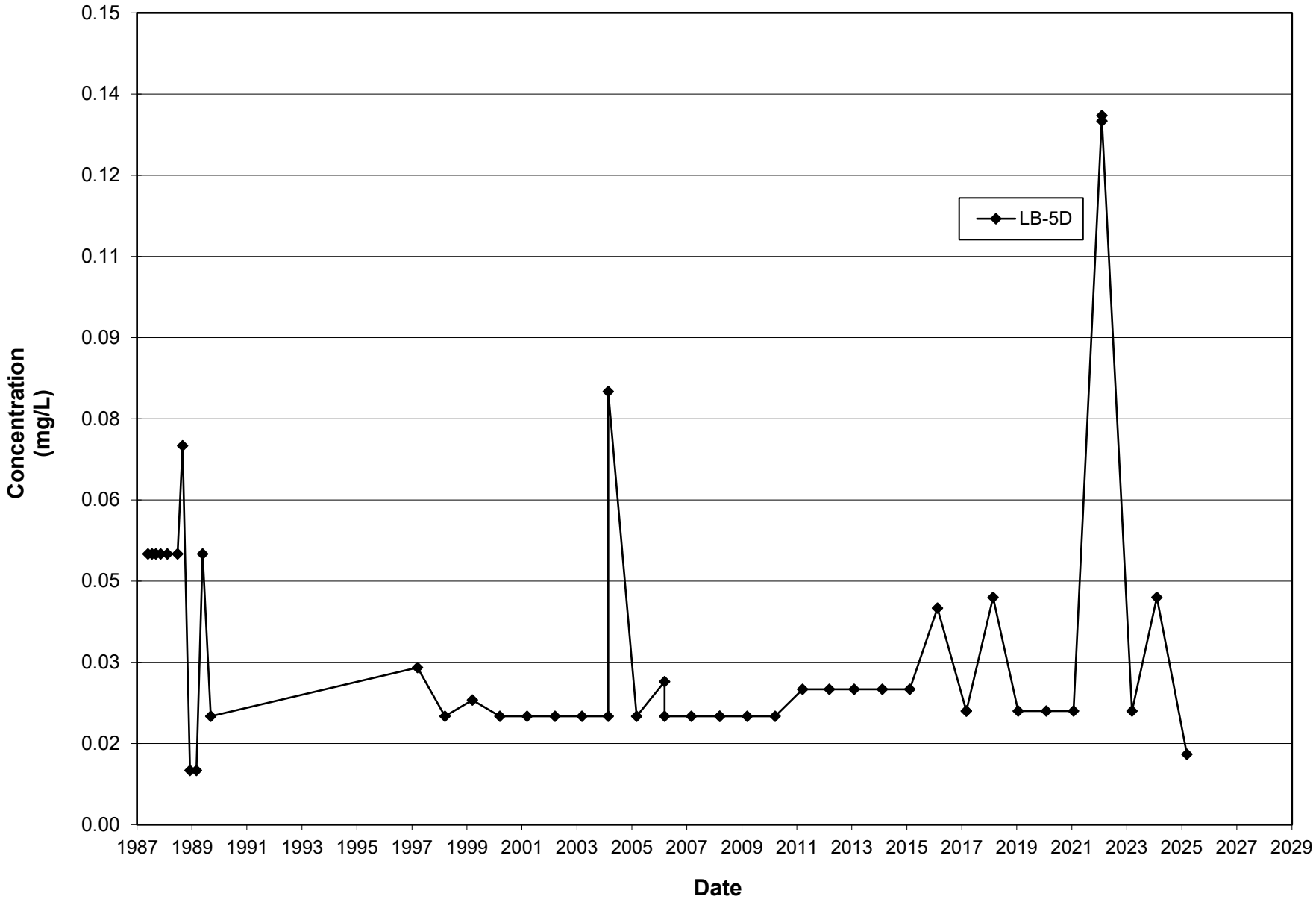


SCS Engineers, 1/22/2026

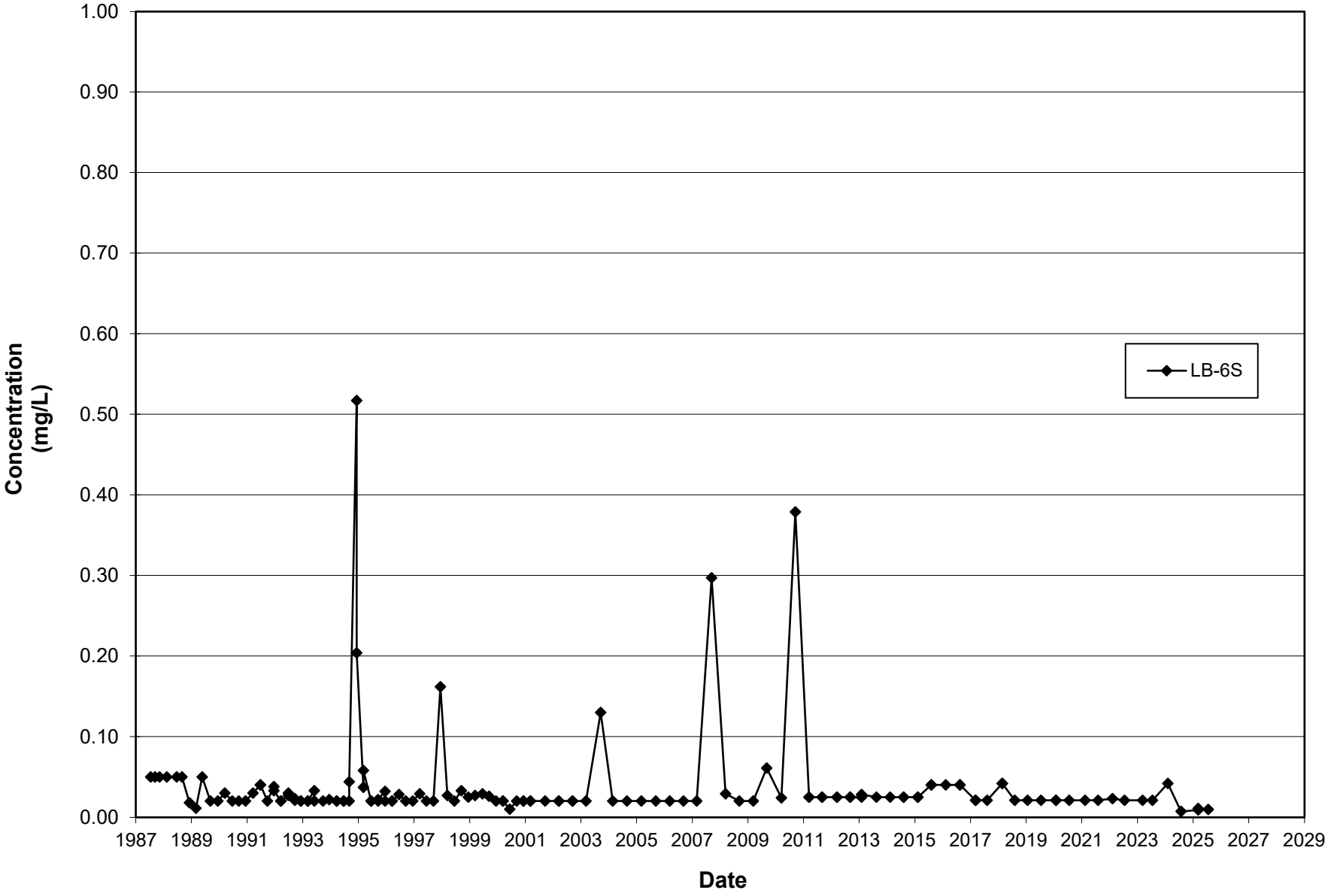
Leichner Landfill
Dissolved Iron, LB-05S
1987 - 2025



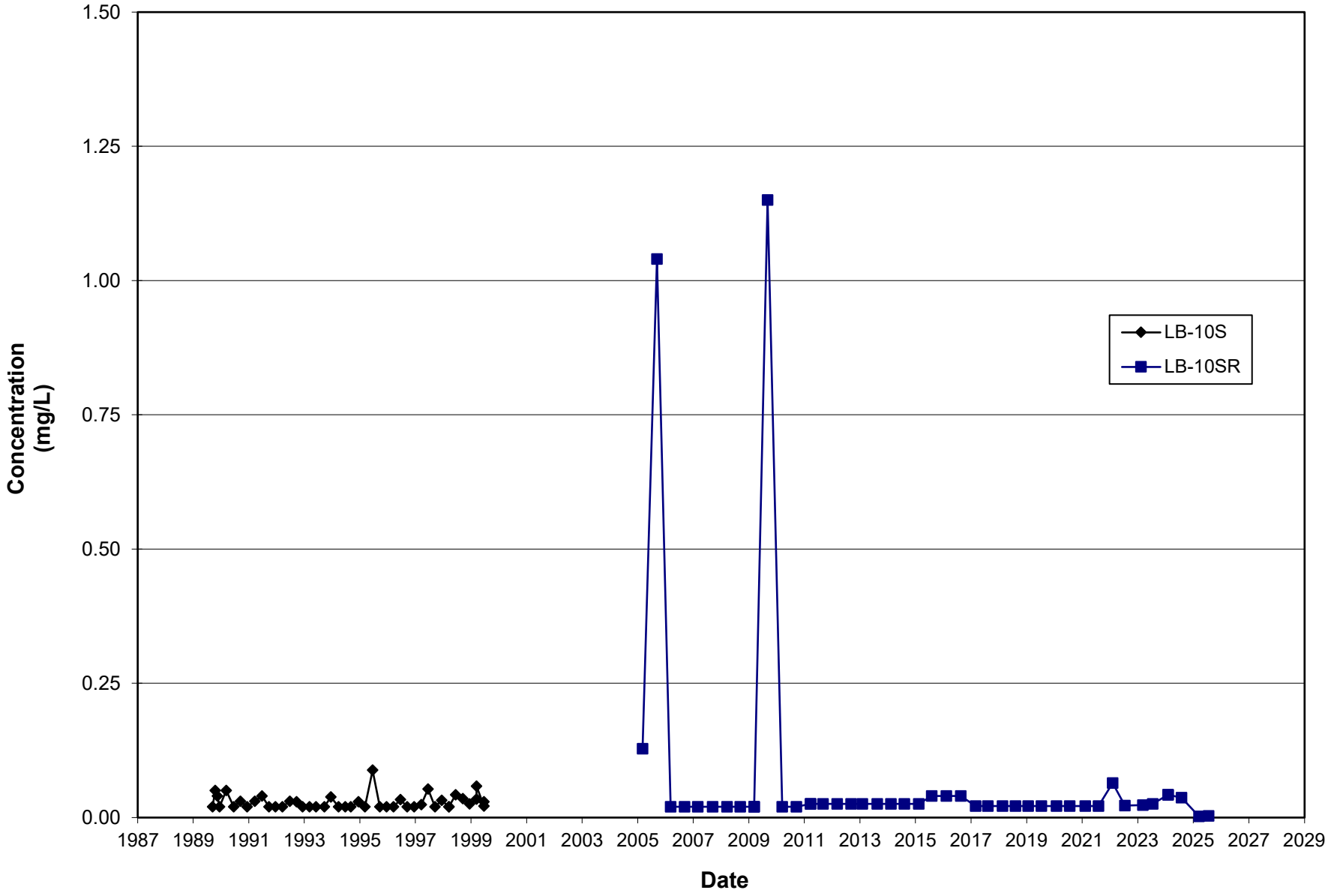
Leichner Landfill
Dissolved Iron, LB-05D
1987 - 2025



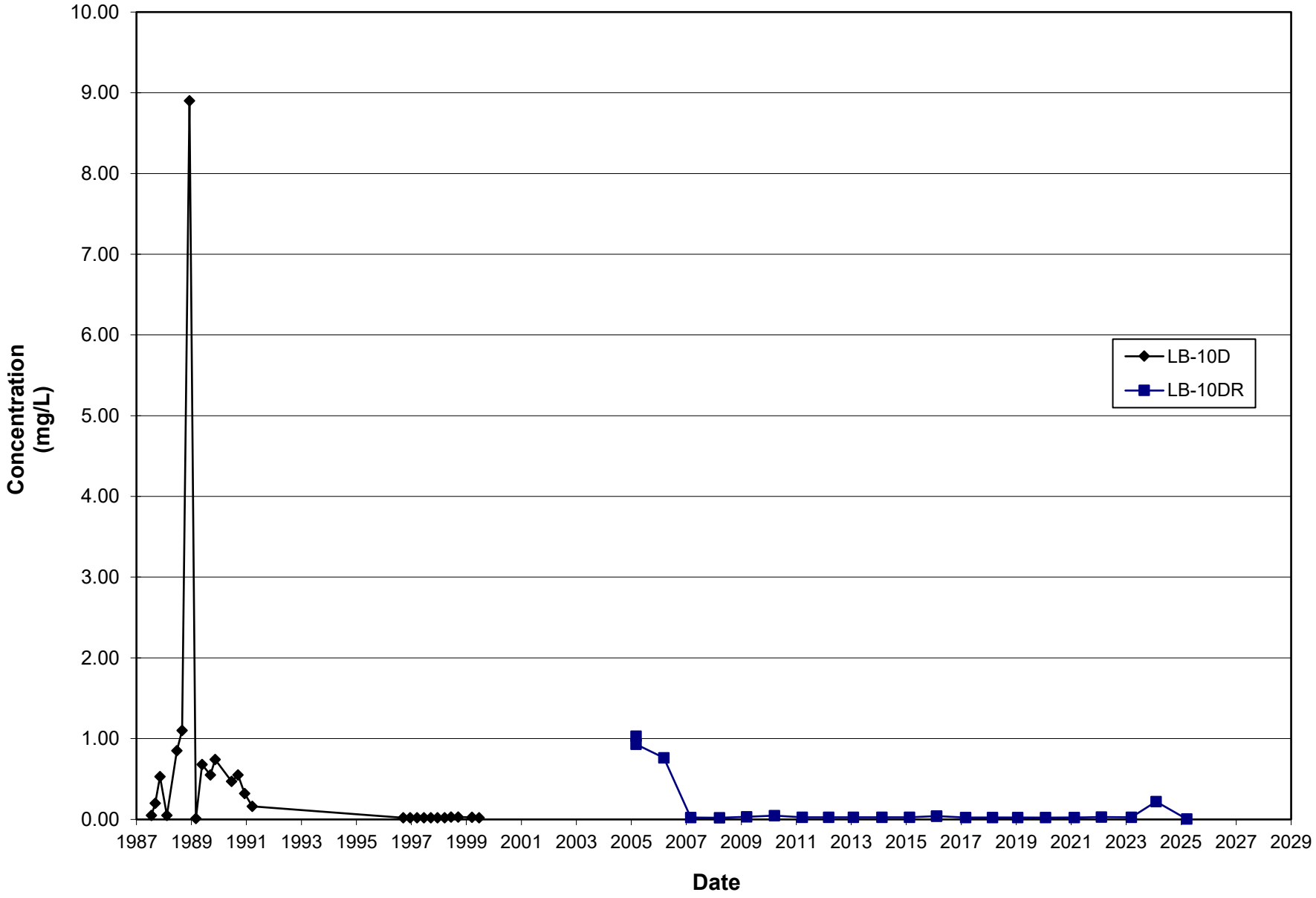
Leichner Landfill
Dissolved Iron, LB-06S
1987 - 2025



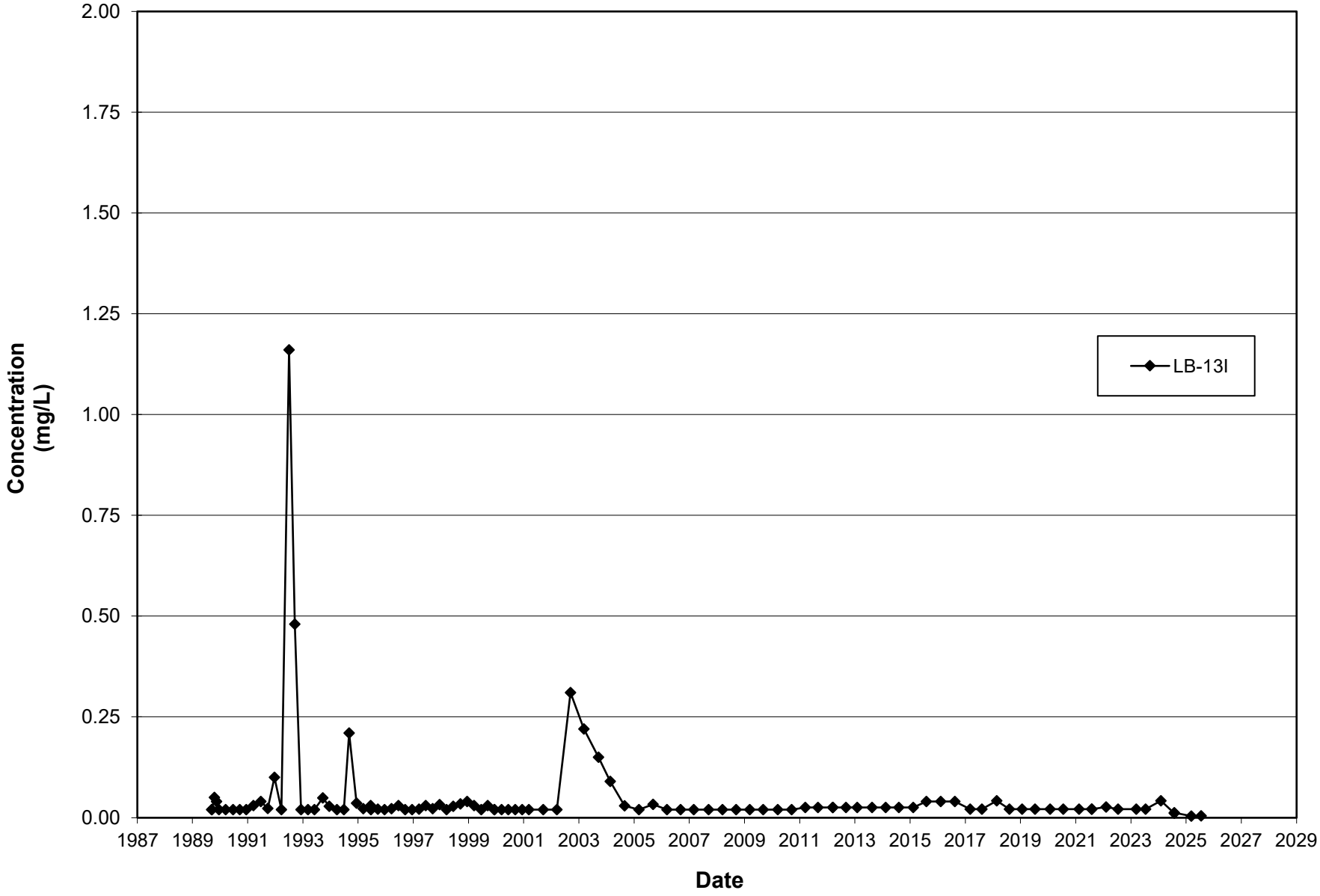
Leichner Landfill
Dissolved Iron, LB-10S and LB-10SR
1987 - 2025



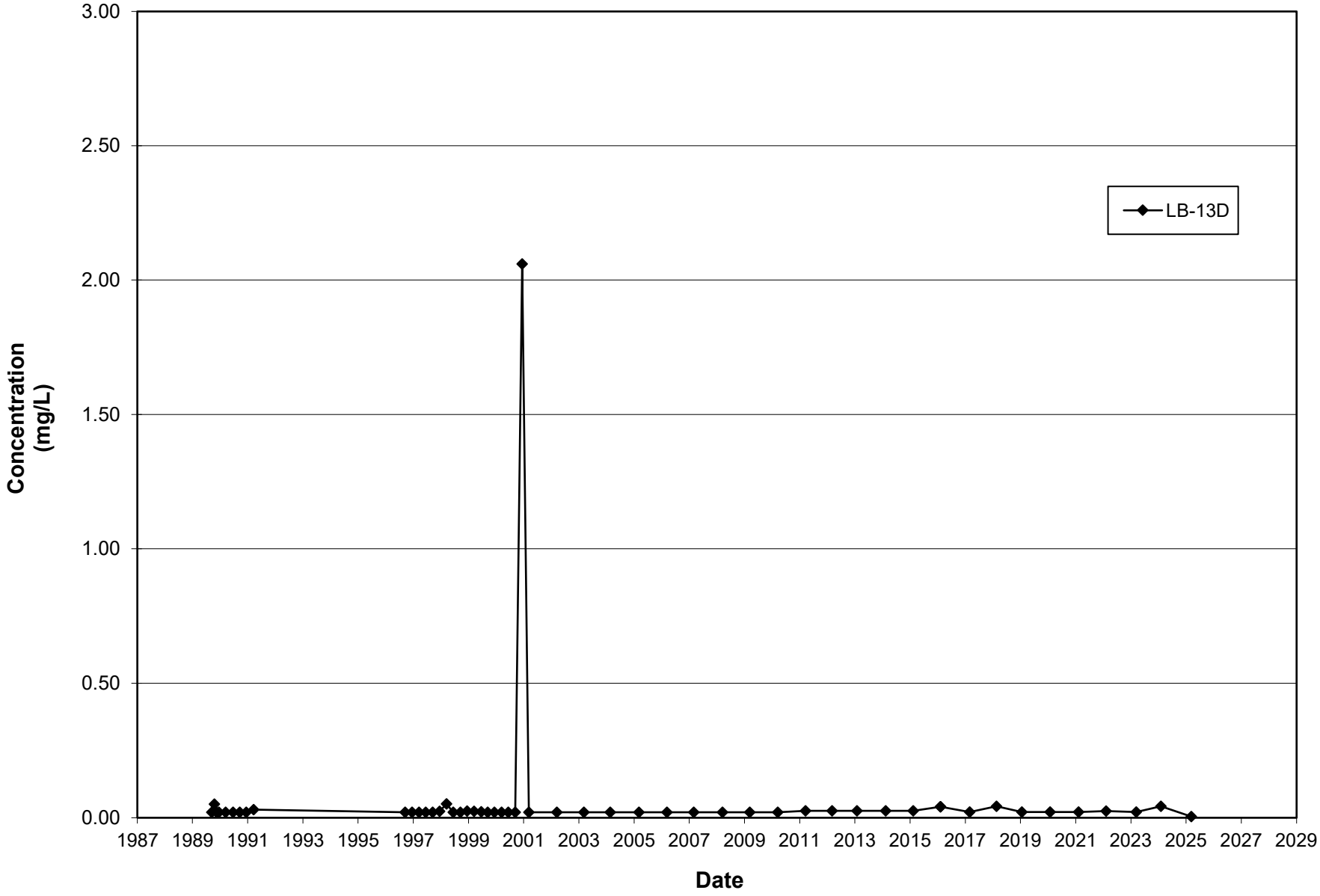
Leichner Landfill
Dissolved Iron, LB-10D and LB-10DR
1987 - 2025



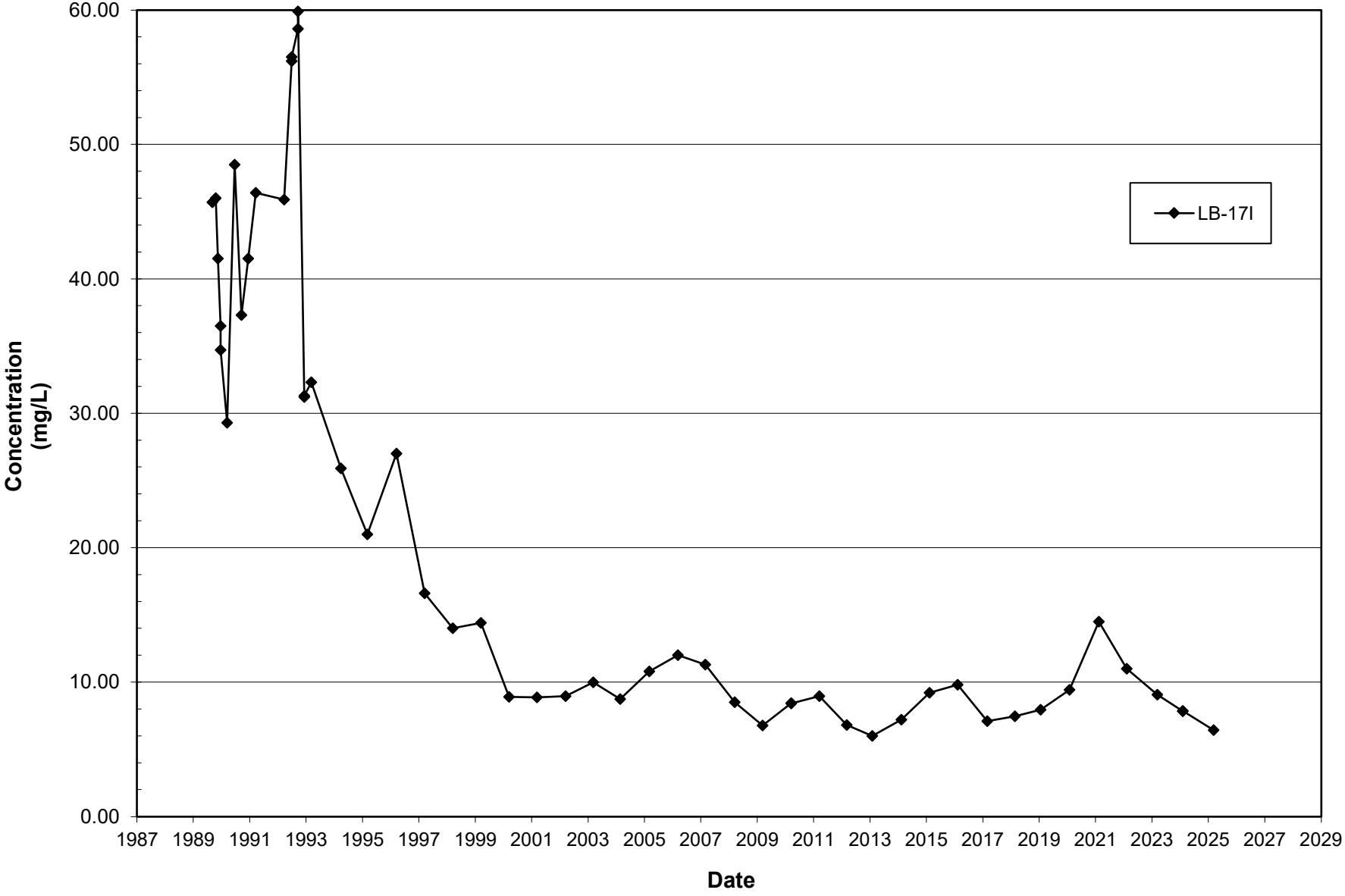
Leichner Landfill
Dissolved Iron, LB-13I
1987 - 2025



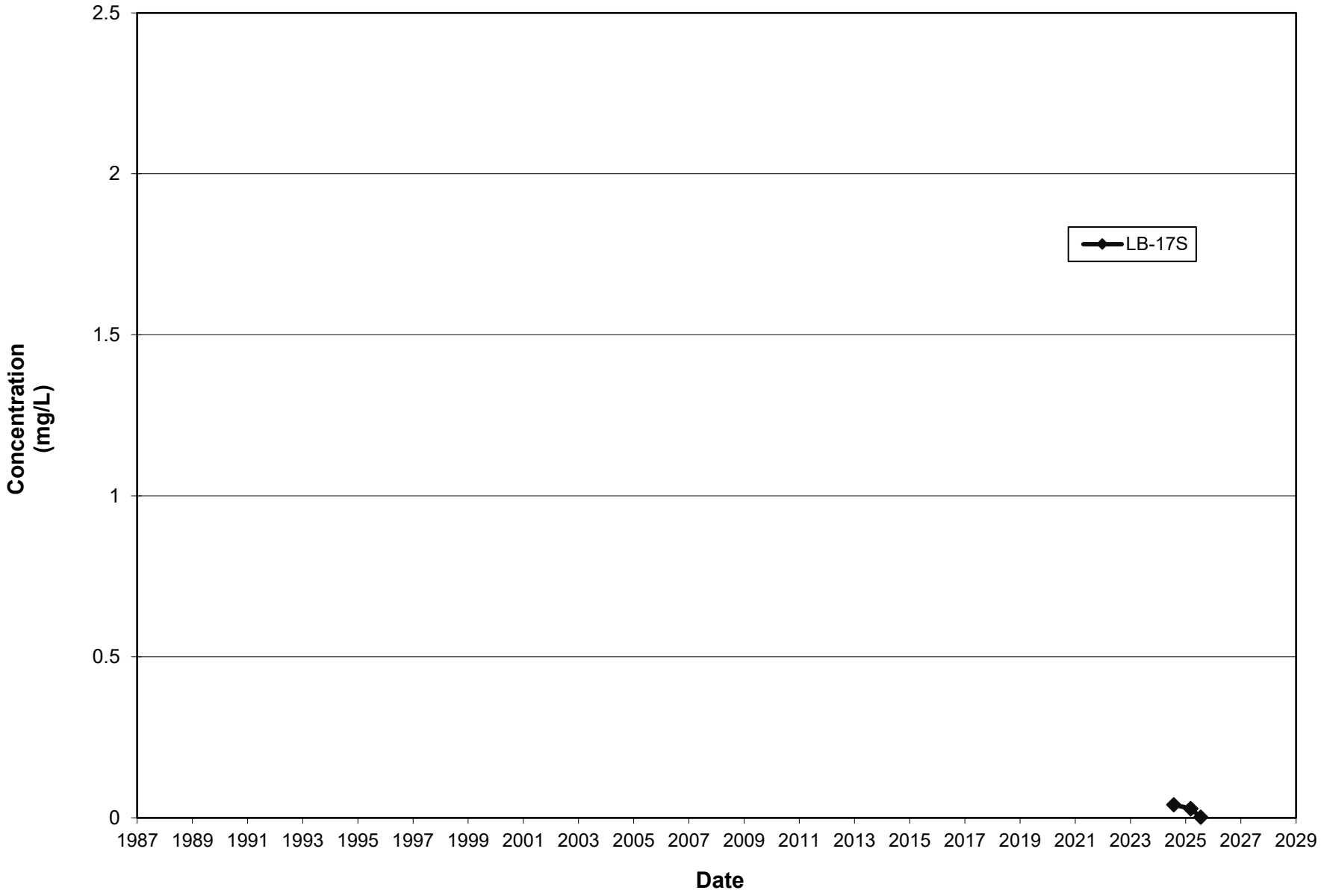
Leichner Landfill
Dissolved Iron, LB-13D
1987 - 2025



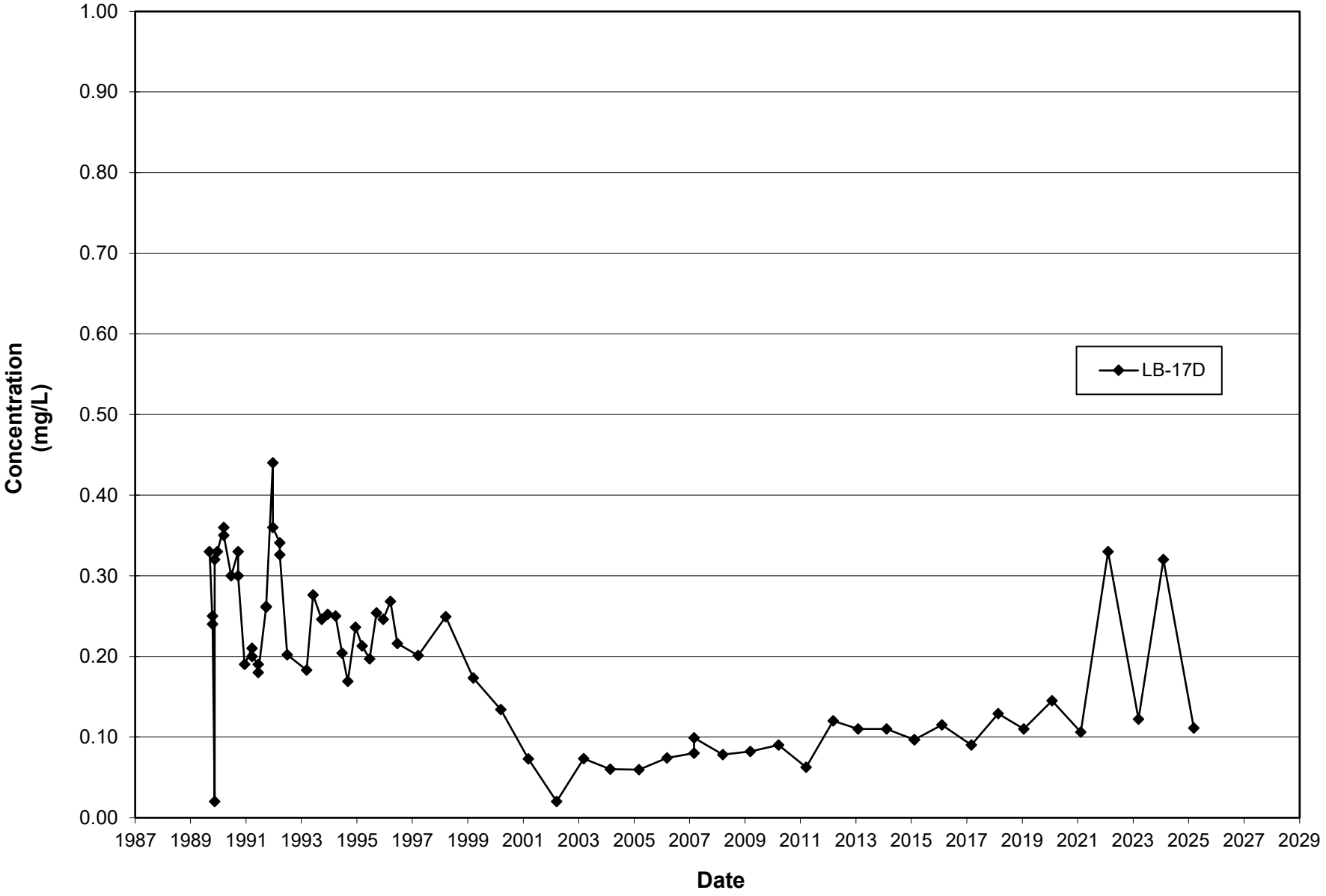
Leichner Landfill
Dissolved Iron, LB-17I
1987 - 2025



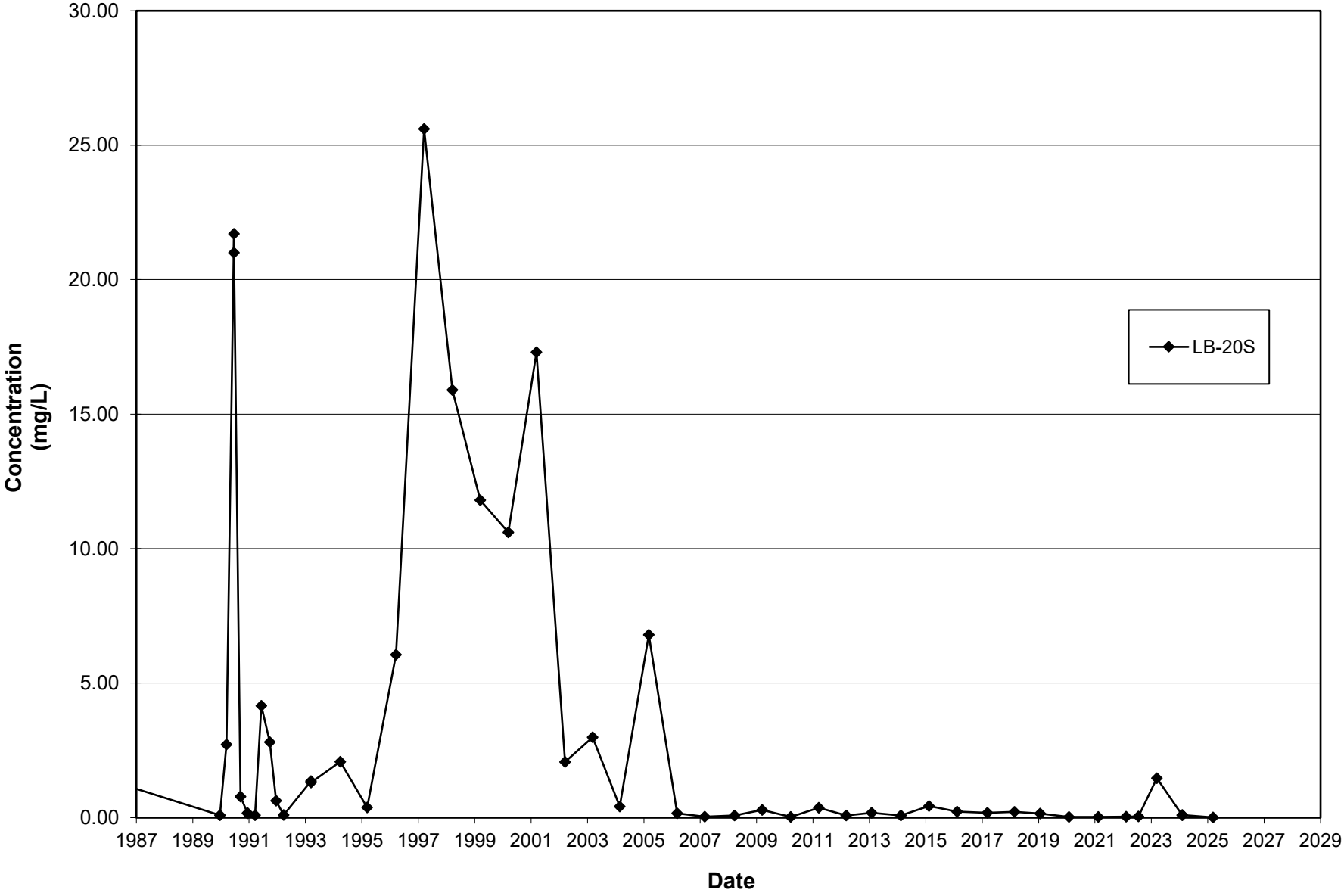
Leichner Landfill
Dissolved Iron, LB-17S
1987 - 2025



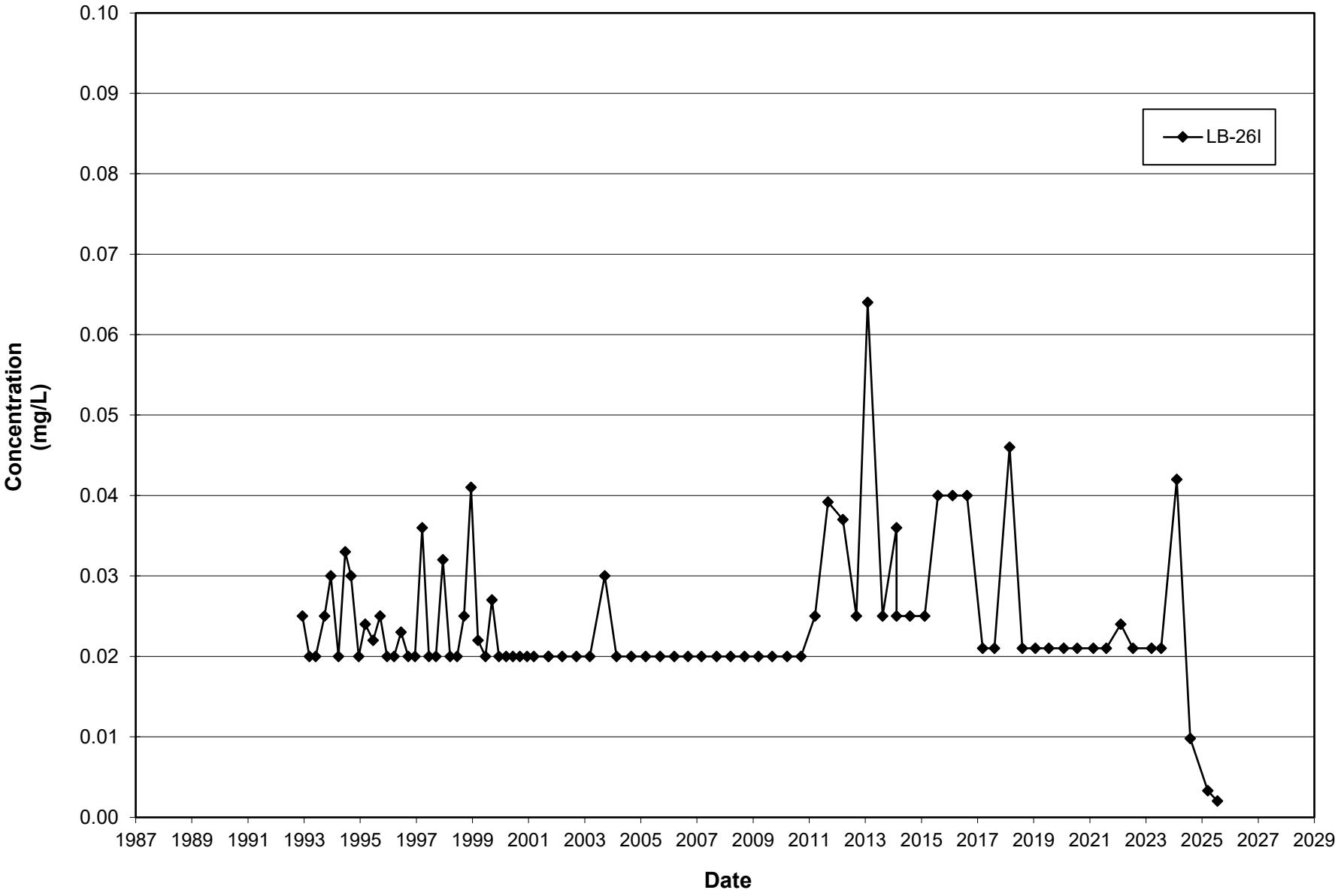
Leichner Landfill
Dissolved Iron, LB-17D
1987 - 2025



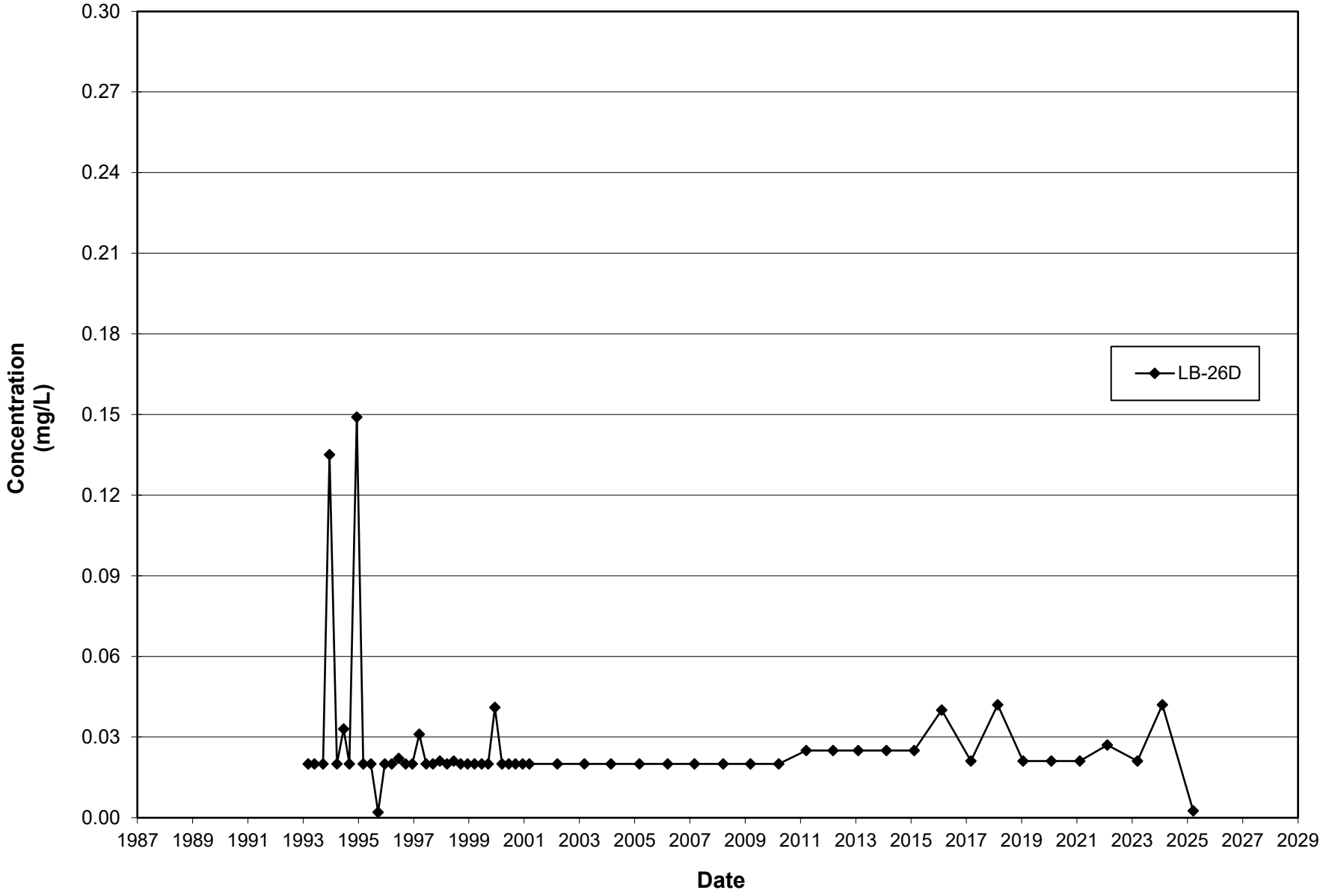
Leichner Landfill
Dissolved Iron, LB-20S
1987 - 2025



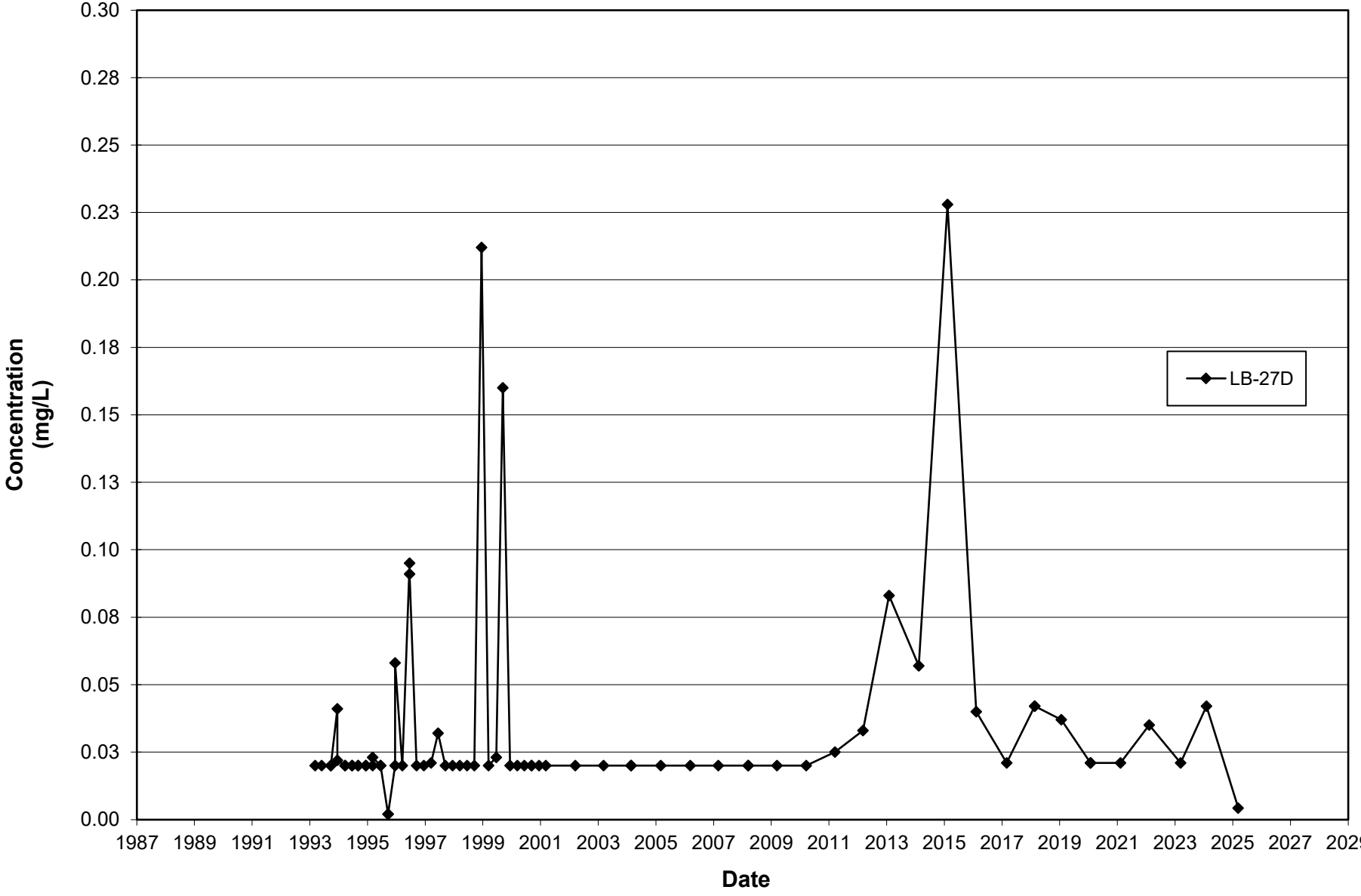
Leichner Landfill
Dissolved Iron, LB-26I
1987 - 2025



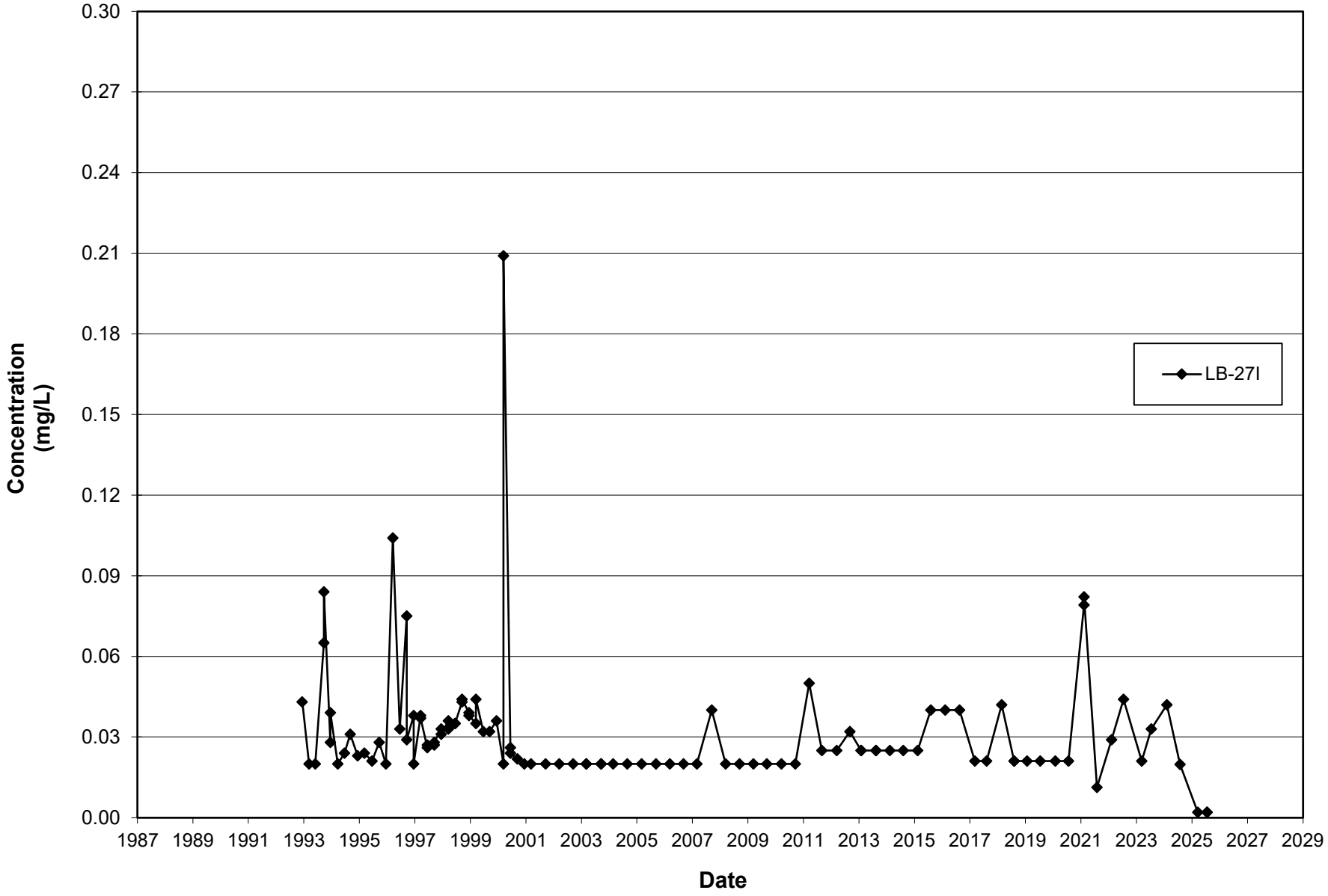
Leichner Landfill
Dissolved Iron, LB-26D
1987 - 2025



Leichner Landfill
Dissolved Iron, LB-27D
1987 - 2025

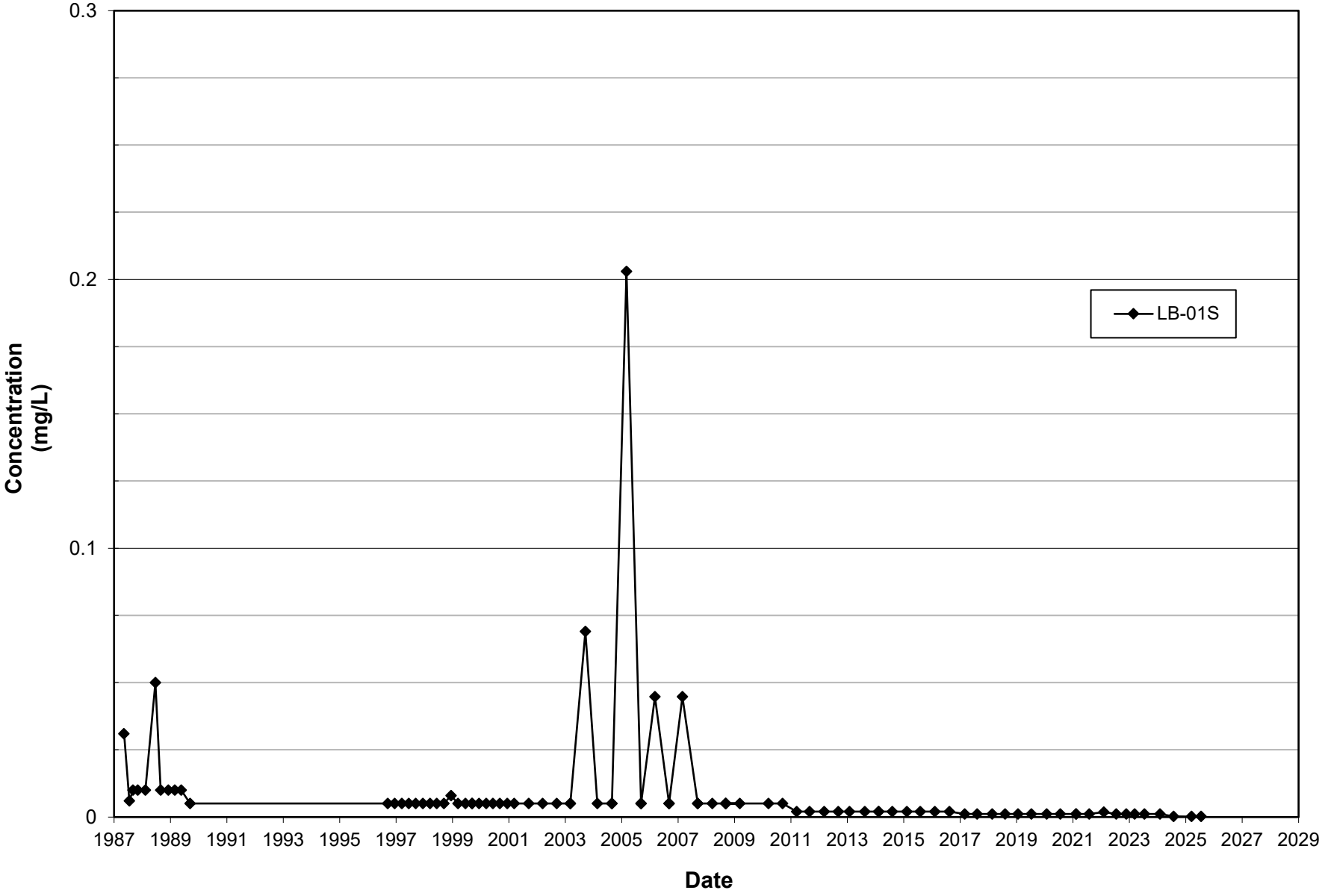


Leichner Landfill
Dissolved Iron, LB-27I
1987 - 2025



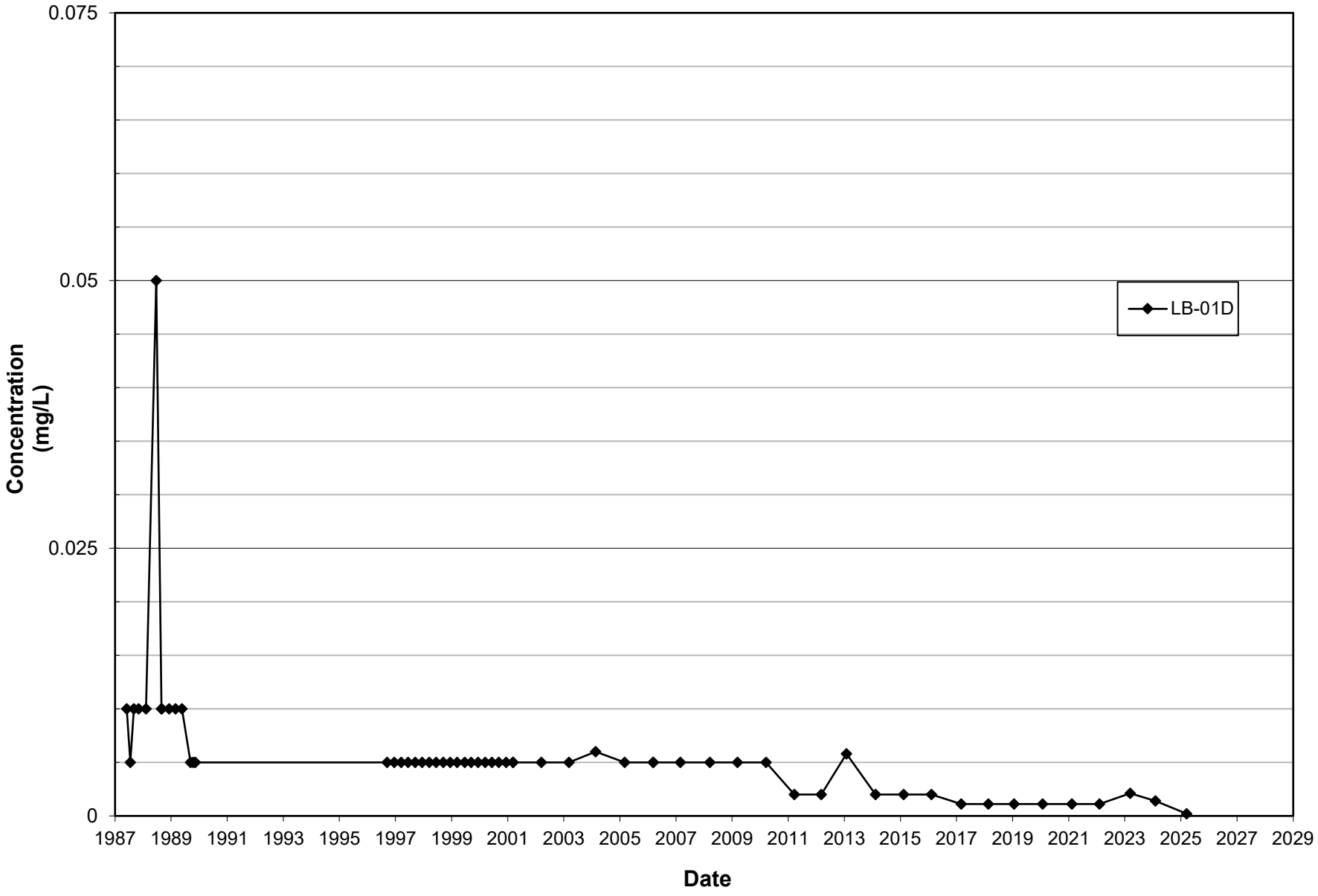
Dissolved Manganese

Leichner Landfill
Dissolved Manganese, LB-01S
1987 - 2025

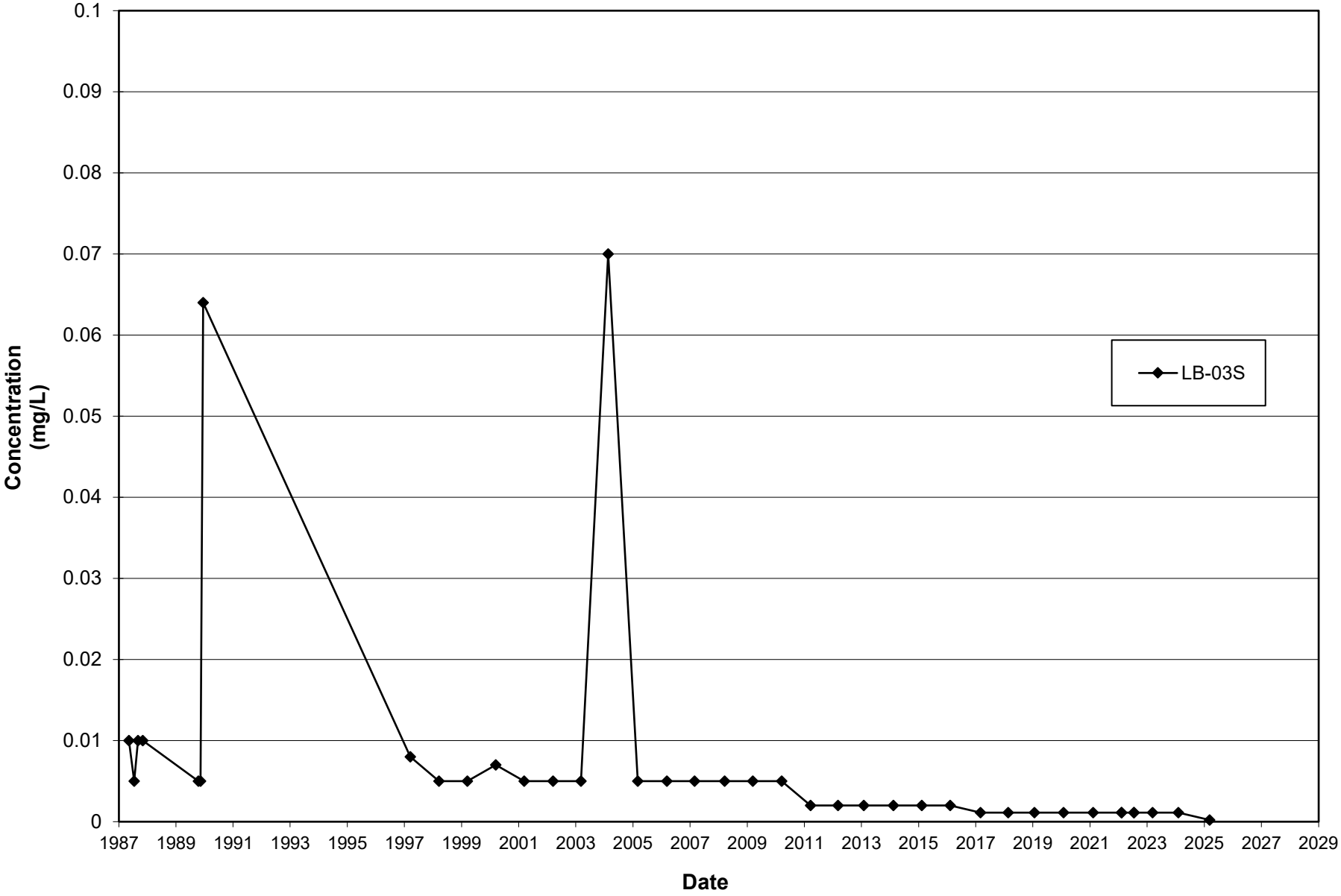


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Leichner Landfill
Dissolved Manganese, LB-01D
1987 - 2025

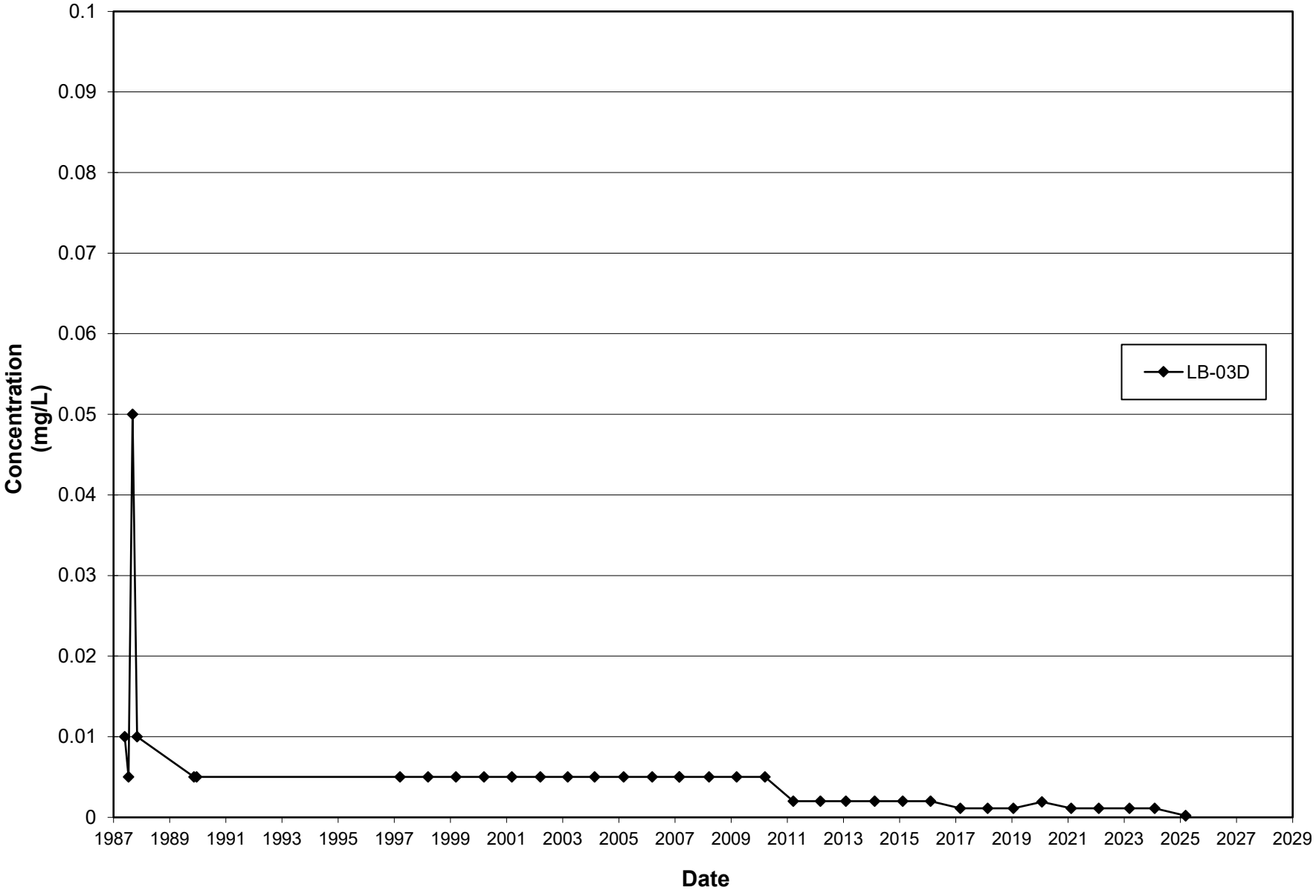


Leichner Landfill
Dissolved Manganese, LB-03S
1987 - 2025

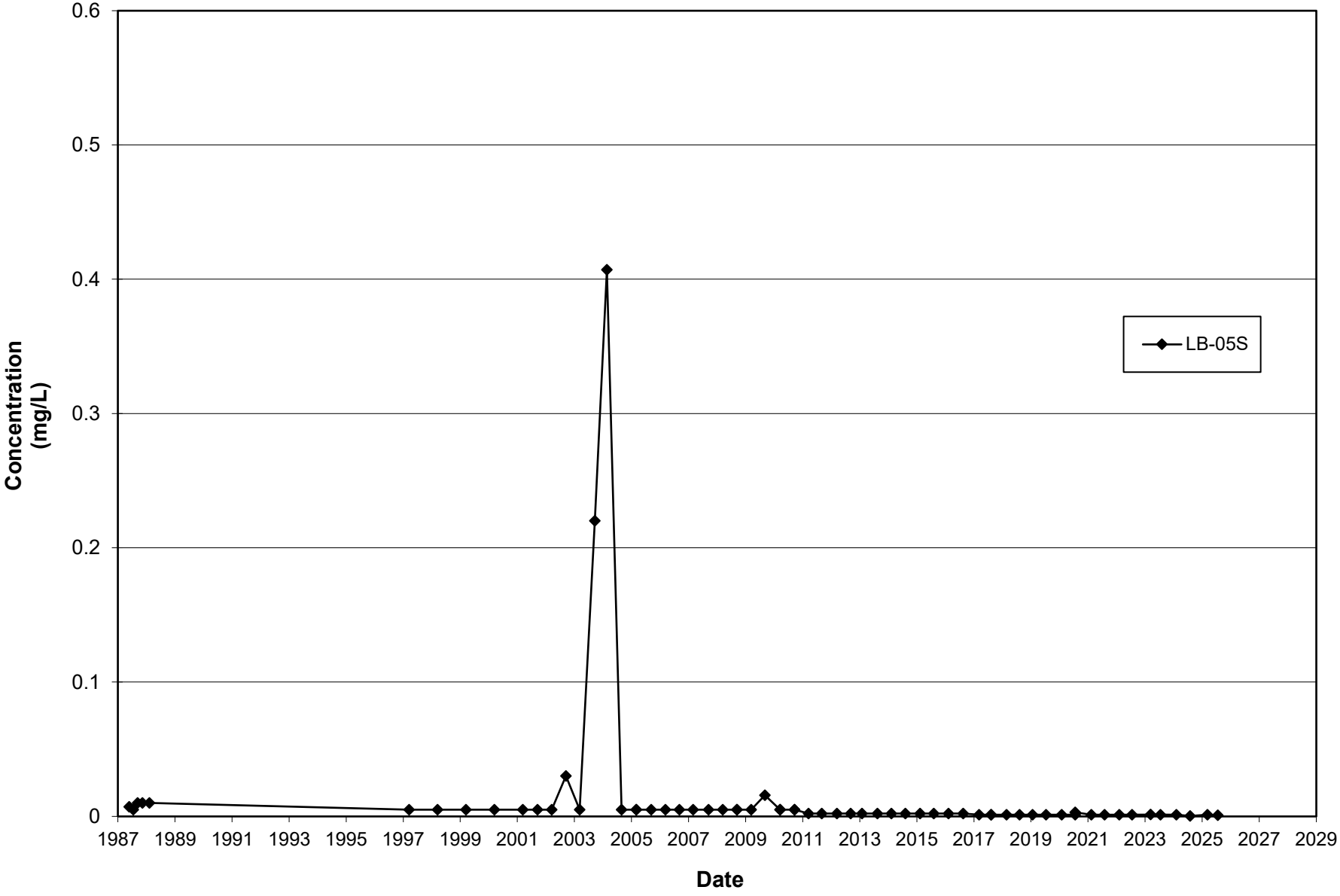


SCS Engineers, 1/22/2026

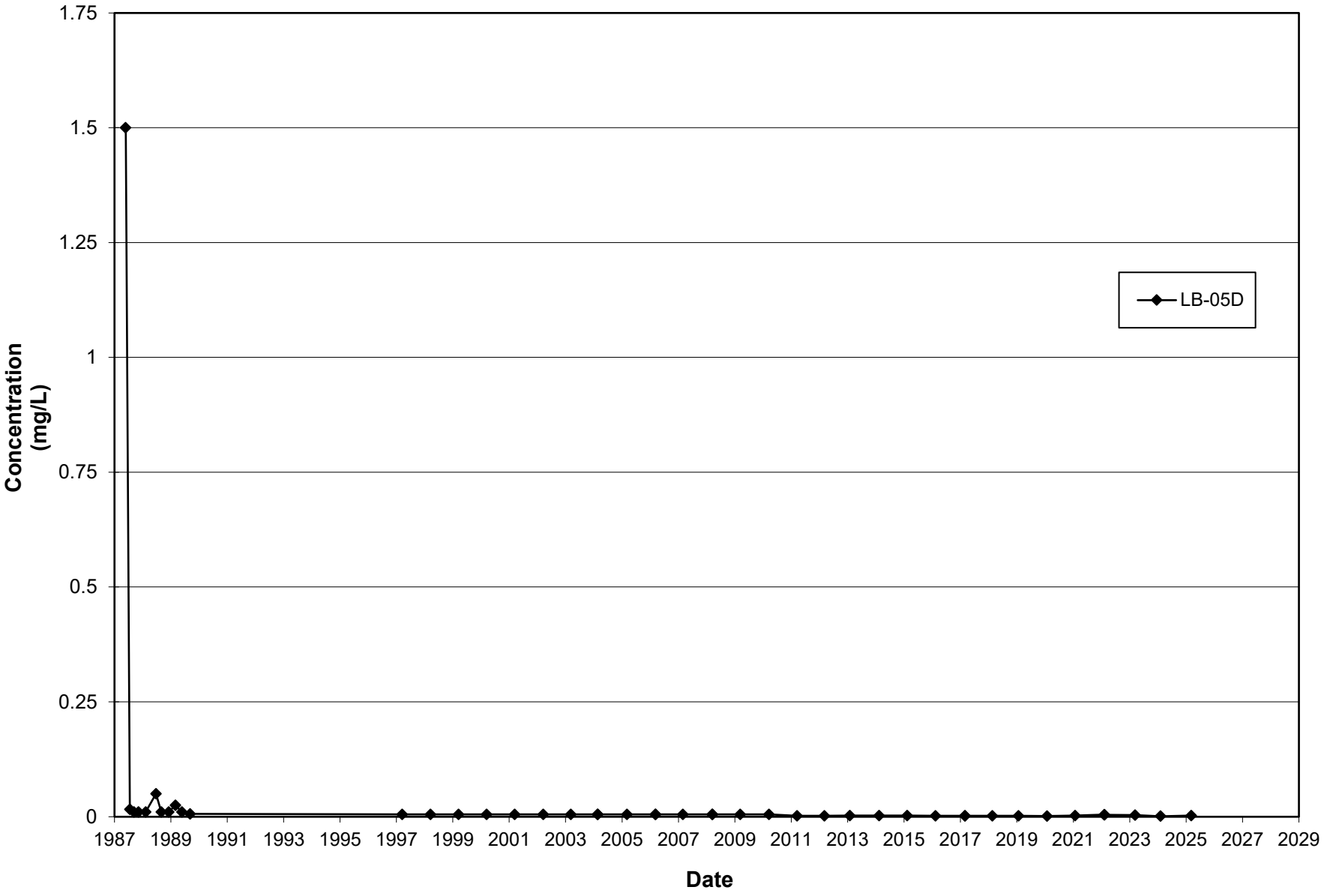
Leichner Landfill
Dissolved Manganese, LB-03D
1987 - 2025



Leichner Landfill
Dissolved Manganese, LB-05S
1987 - 2025

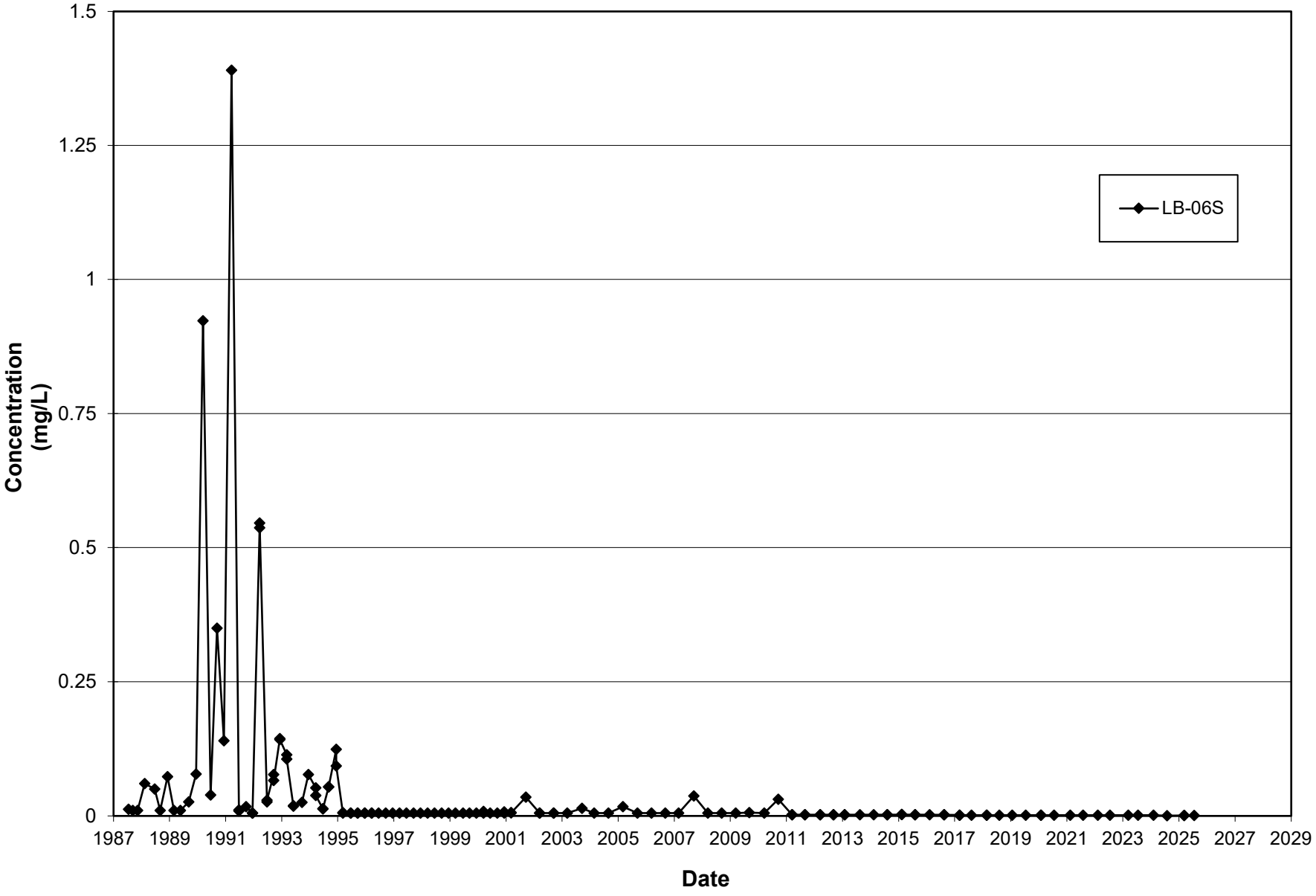


Leichner Landfill
Dissolved Manganese, LB-05D
1987 - 2025

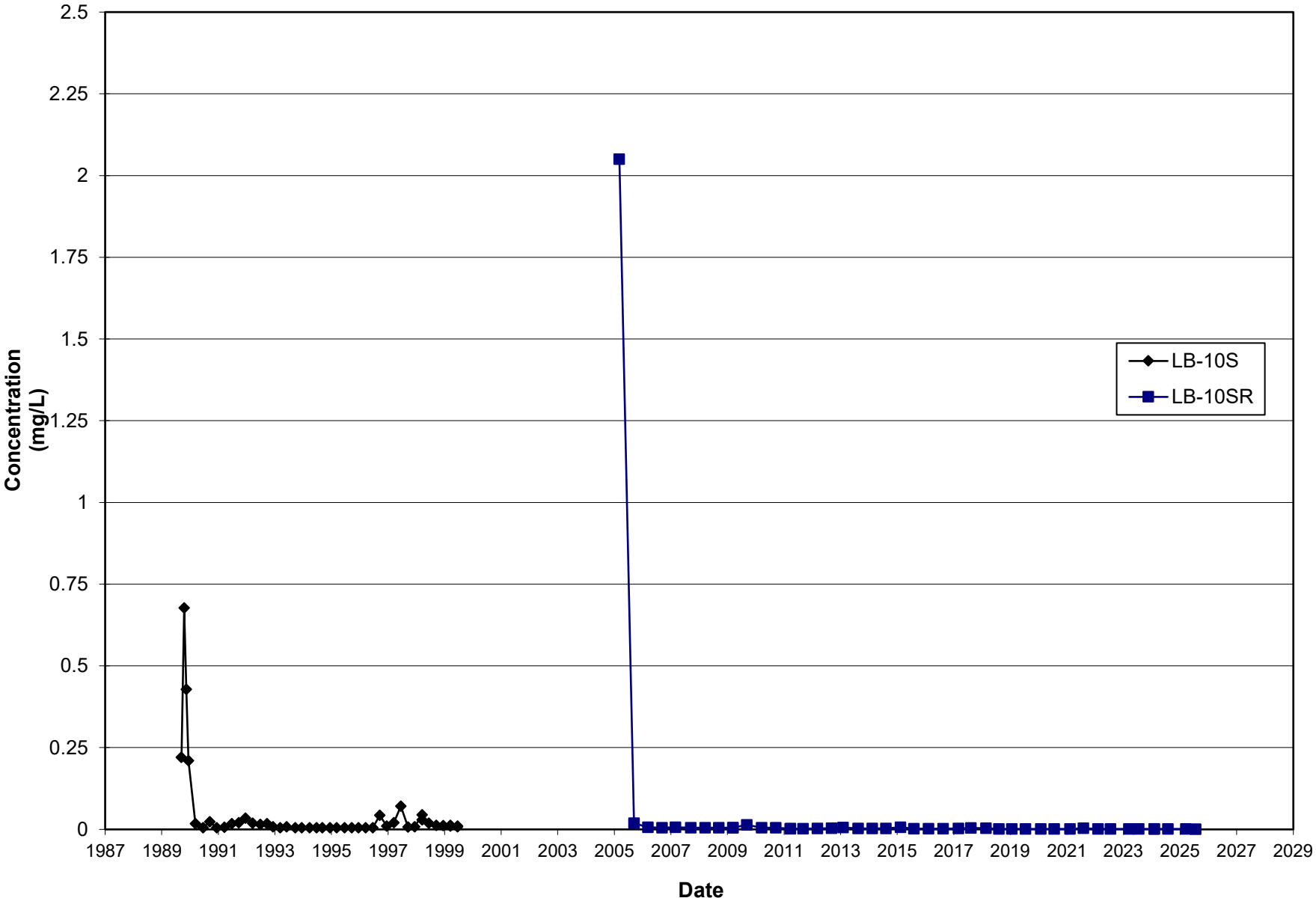


SCS Engineers, 1/22/2026

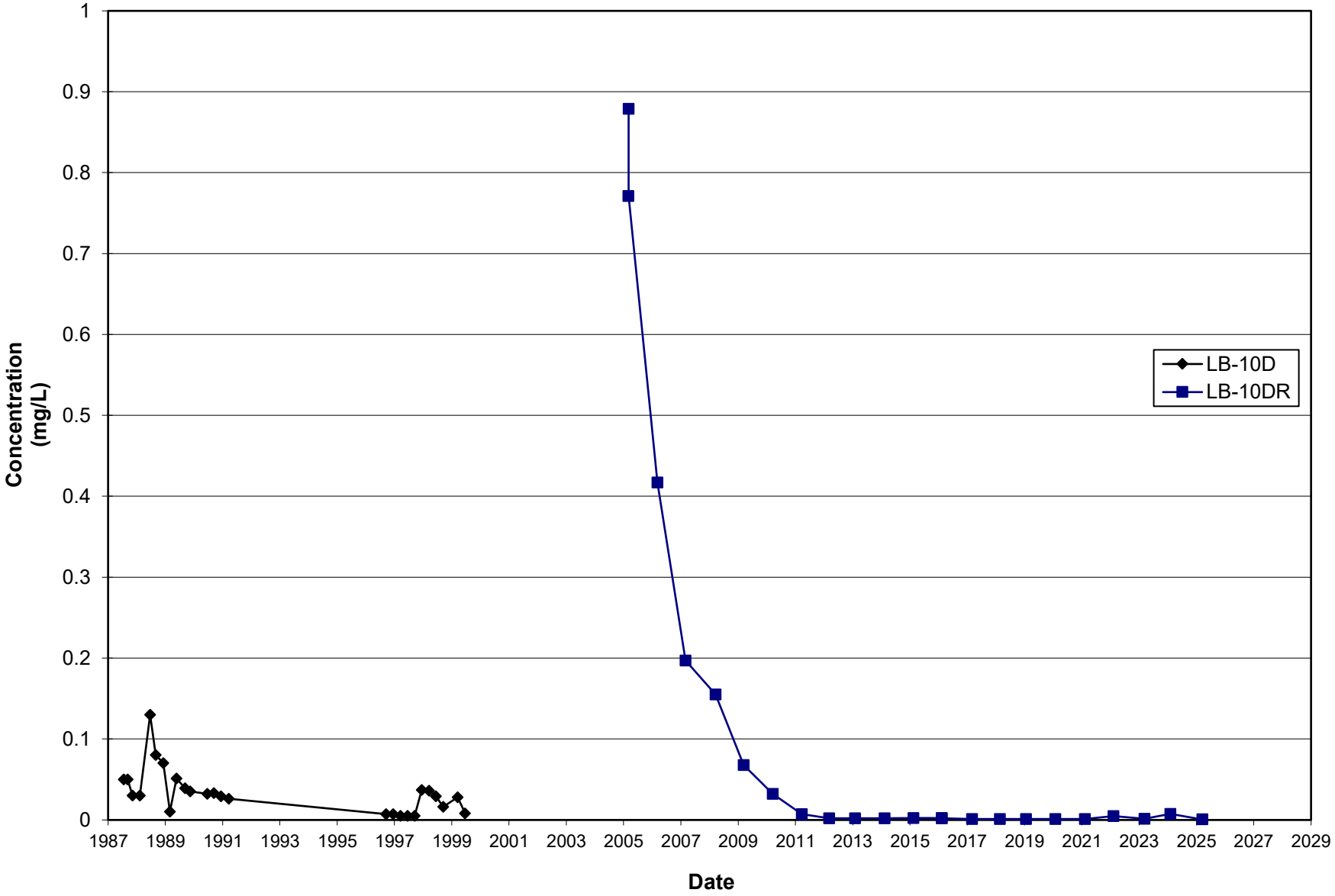
Leichner Landfill
Dissolved Manganese, LB-06S
1987 - 2025



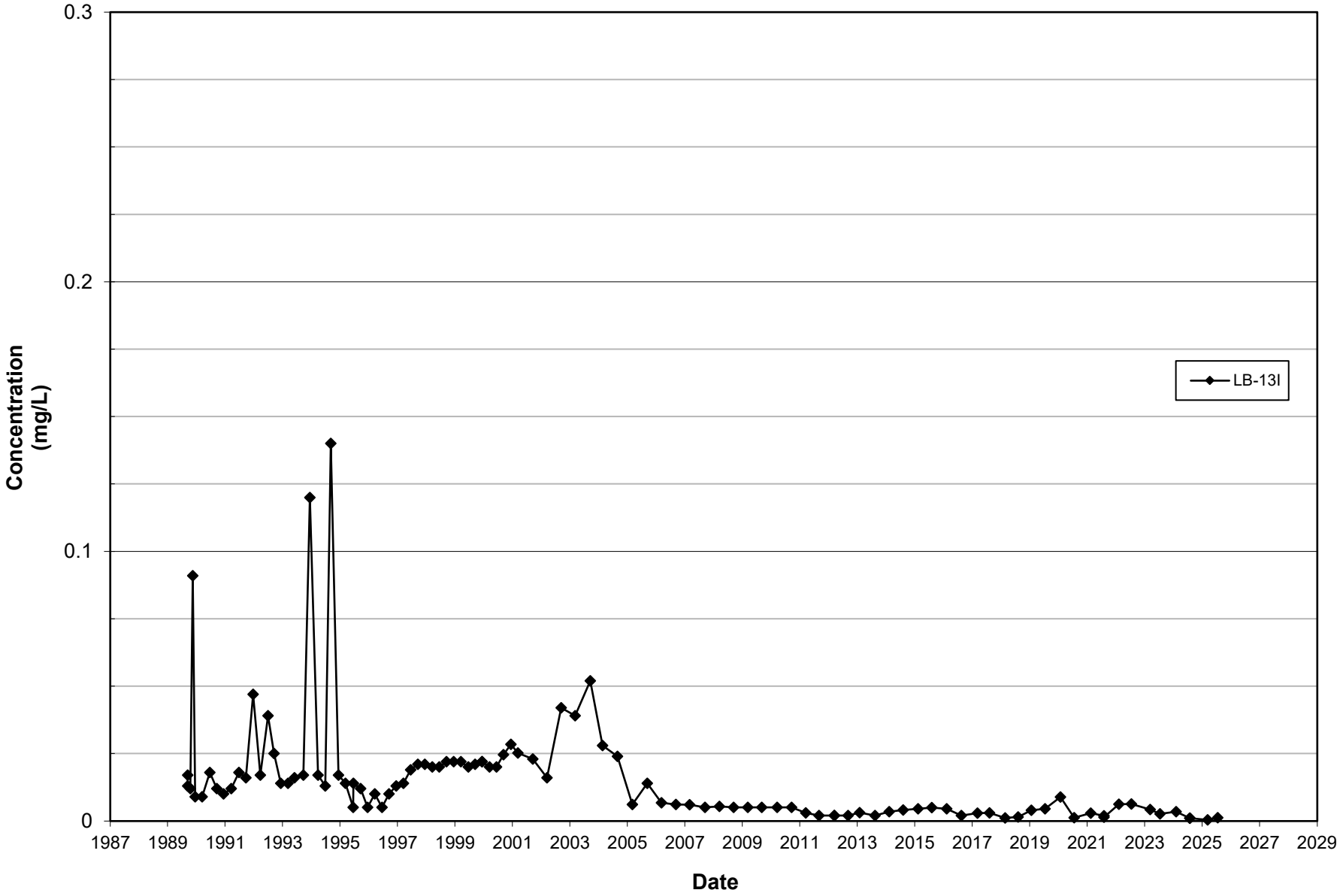
Leichner Landfill
Dissolved Manganese, LB-10S and LB-10SR
1987 - 2025



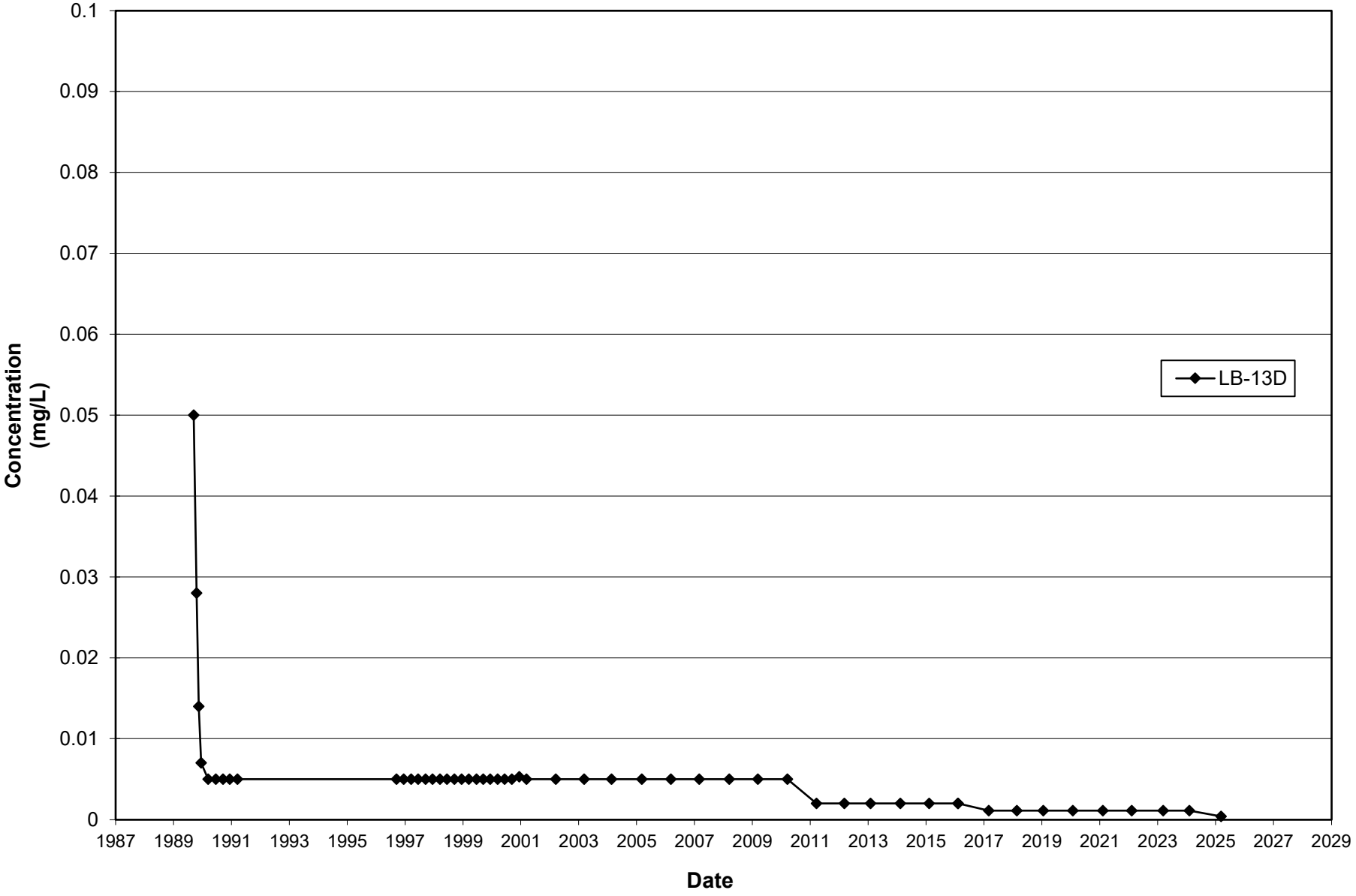
Leichner Landfill
Dissolved Manganese, LB-10D and LB-10DR
1987 - 2025



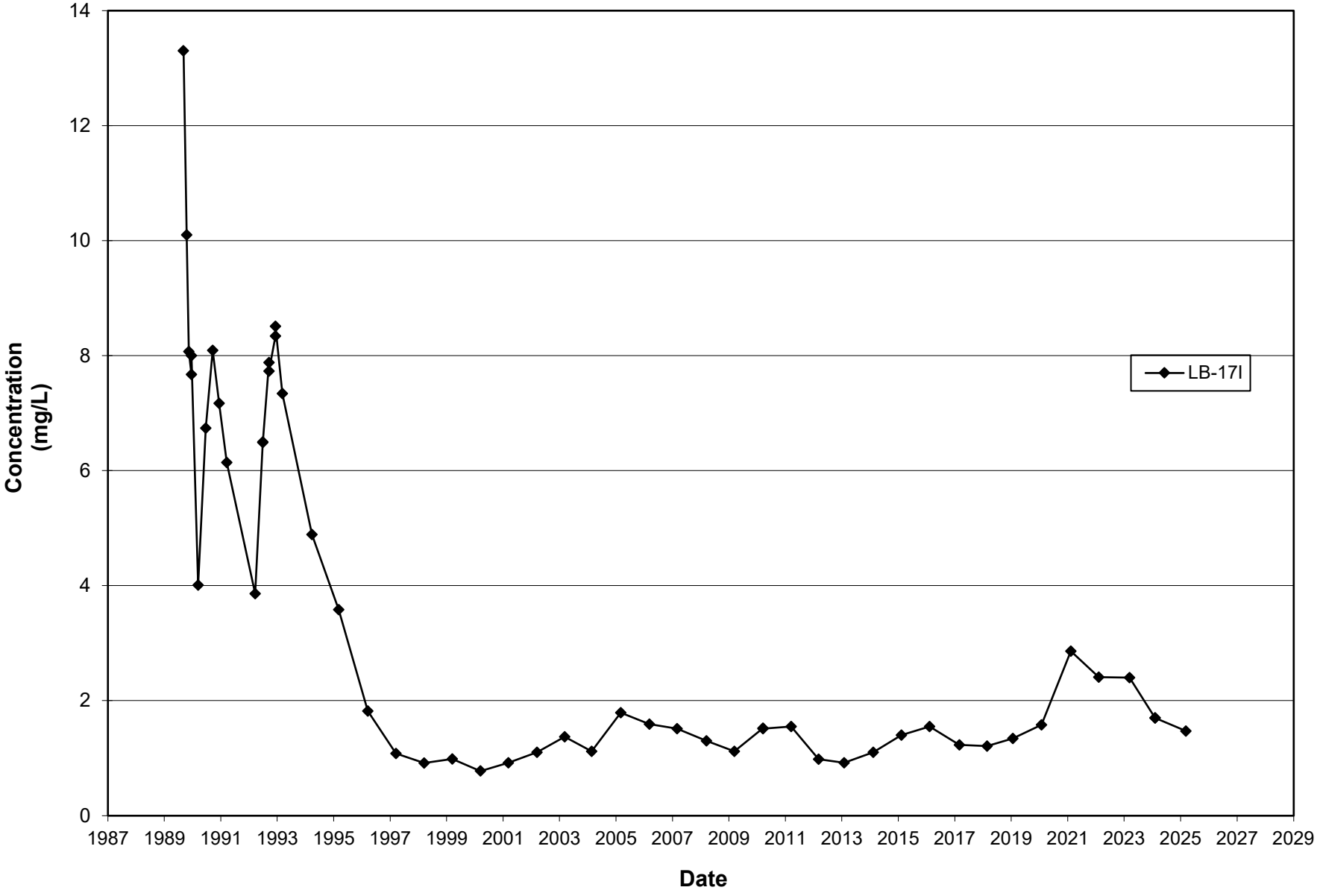
Leichner Landfill
Dissolved Manganese, LB-13I
1987 - 2025



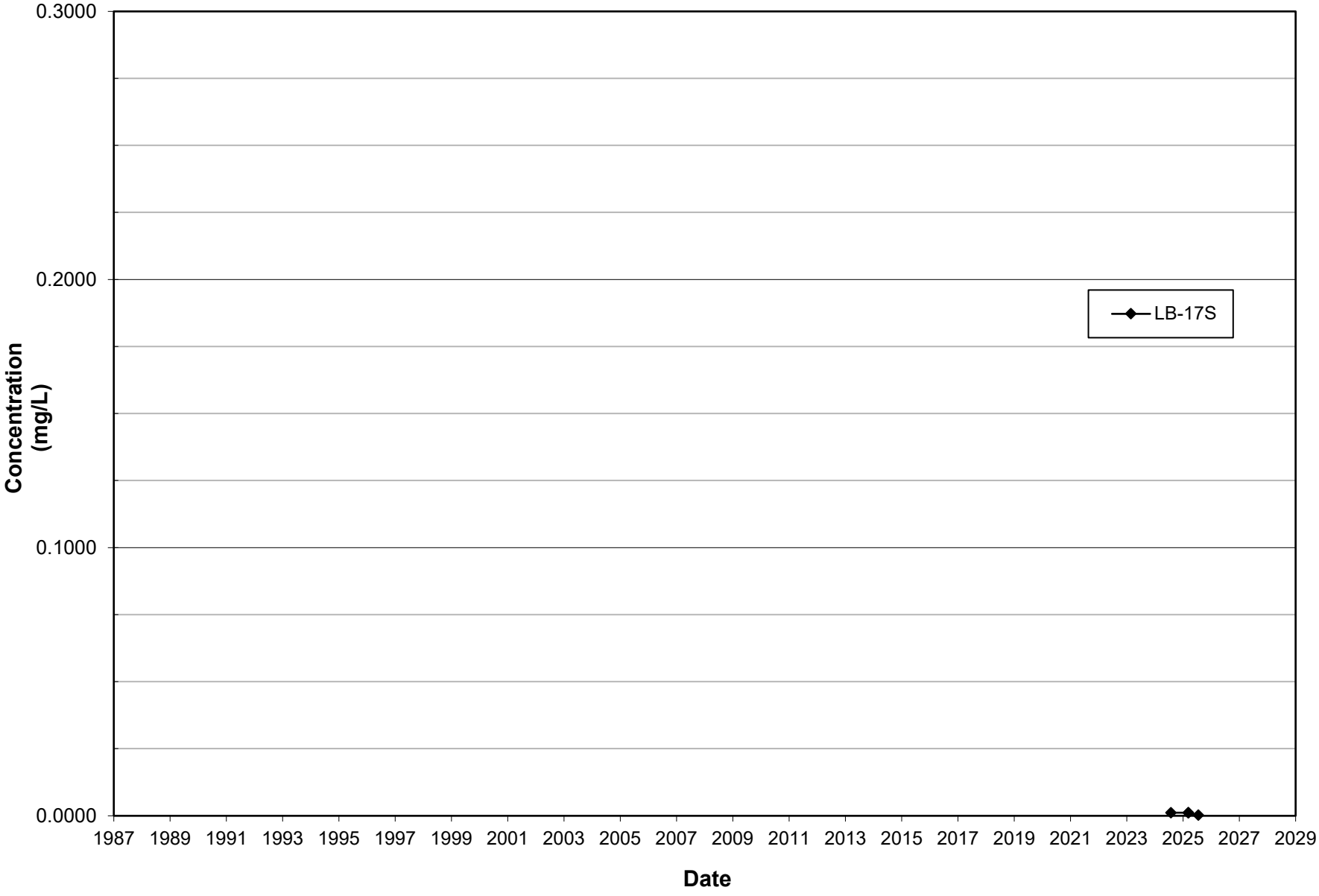
Leichner Landfill
Dissolved Manganese, LB-13D
1987 - 2025



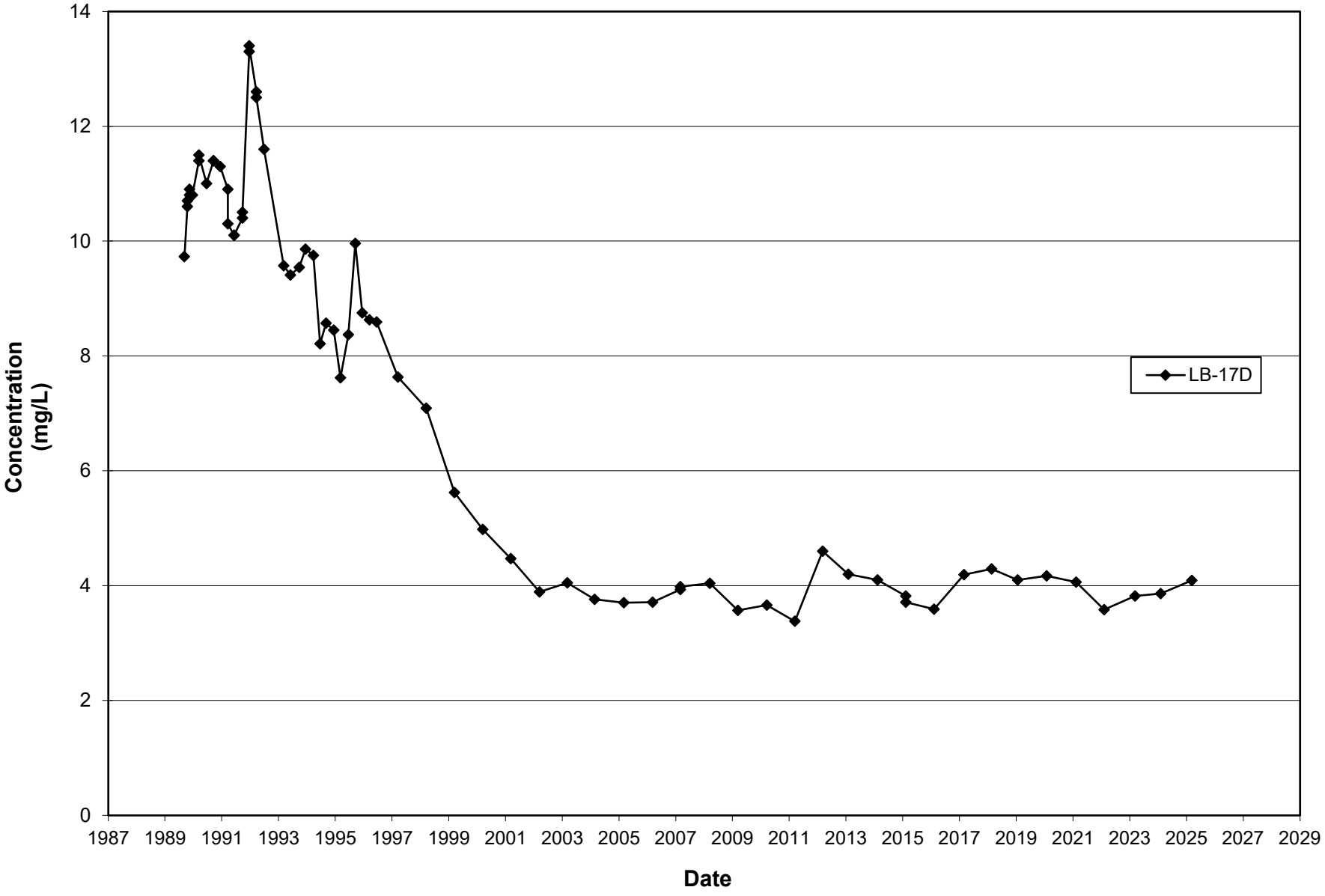
Leichner Landfill
Dissolved Manganese, LB-17I
1987 - 2025



Leichner Landfill
Dissolved Manganese, LB-17S
1987 - 2025

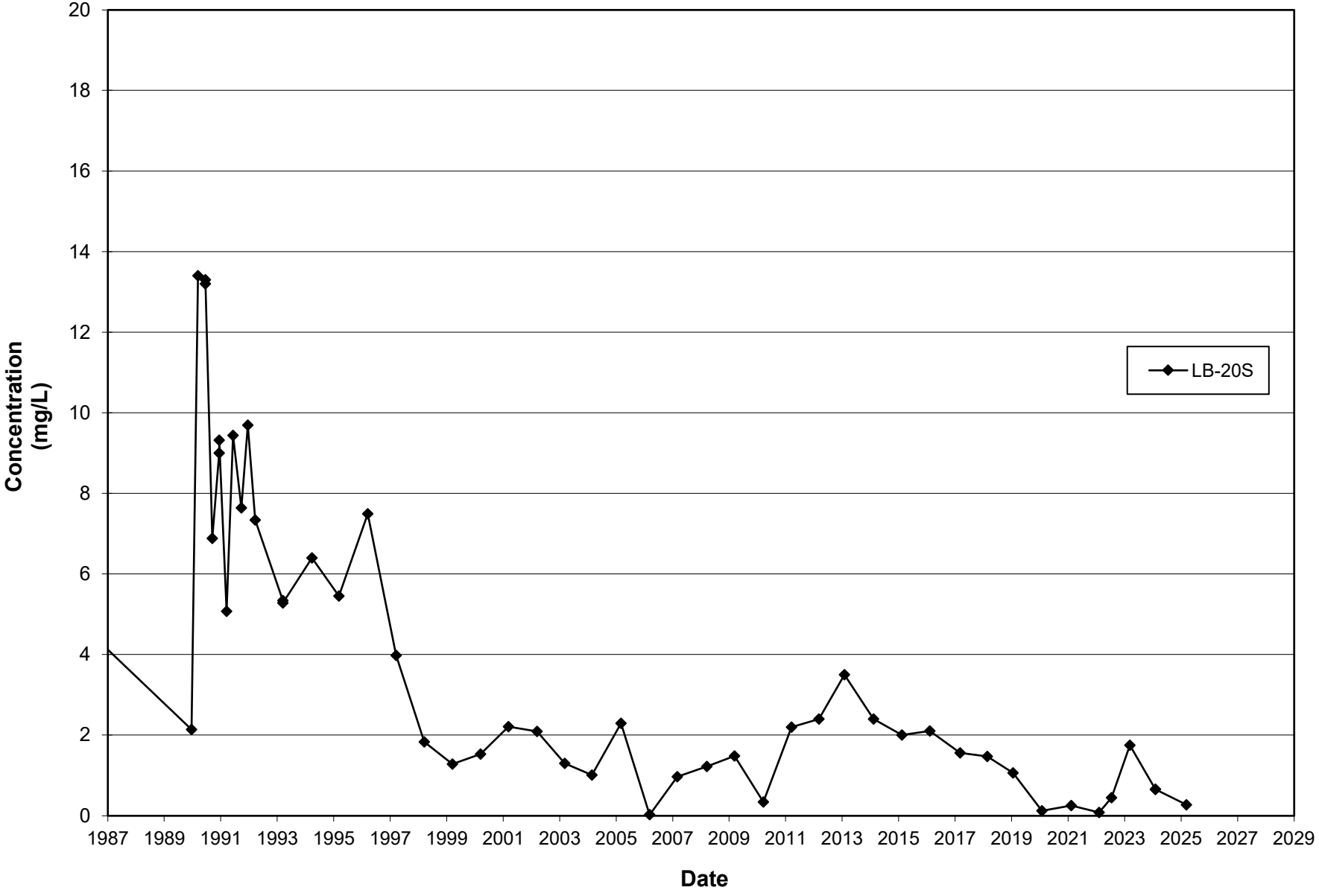


Leichner Landfill
Dissolved Manganese, LB-17D
1987 - 2025



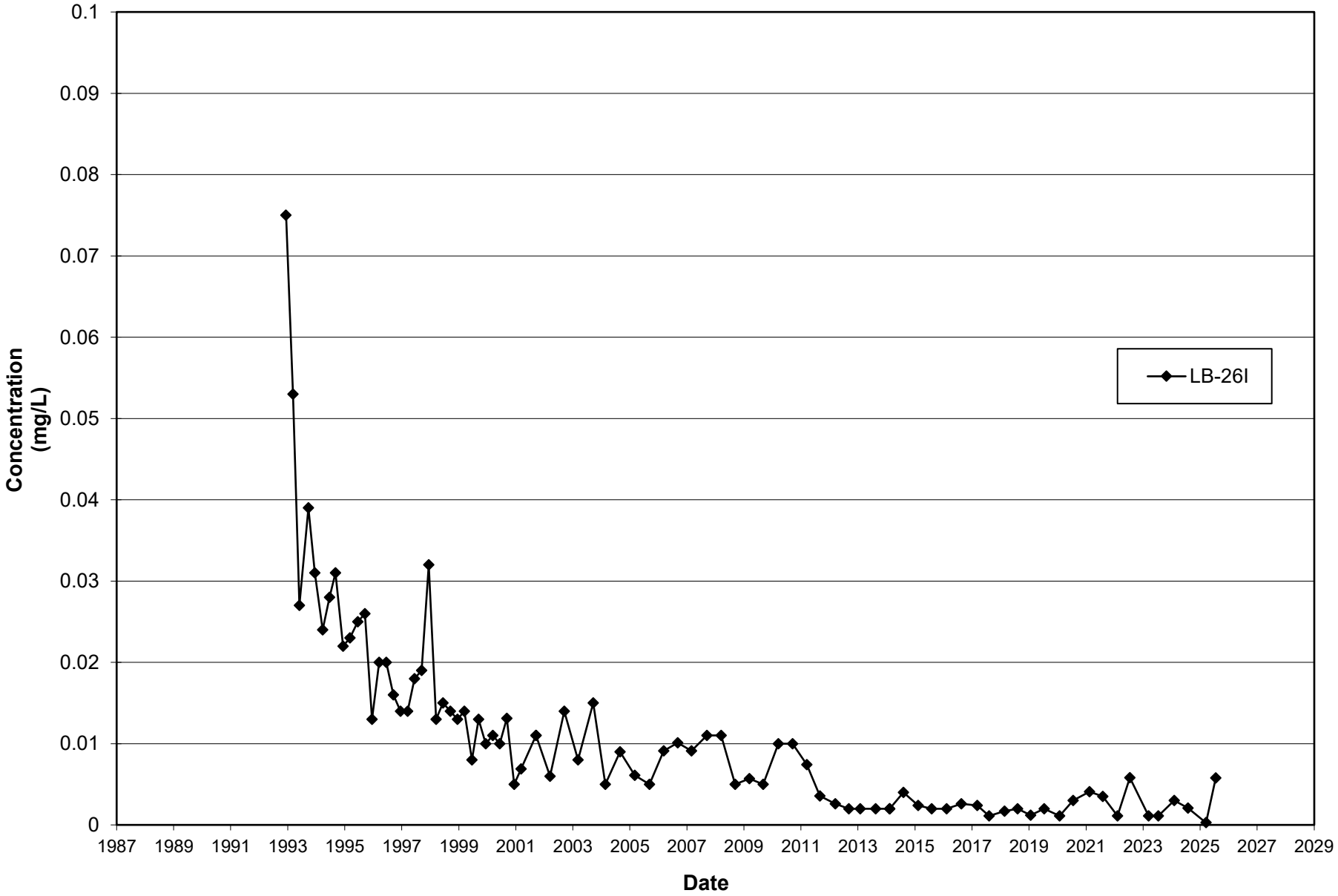
SCS Engineers, 1/22/2026

Leichner Landfill
Dissolved Manganese, LB-20S
1987 - 2025

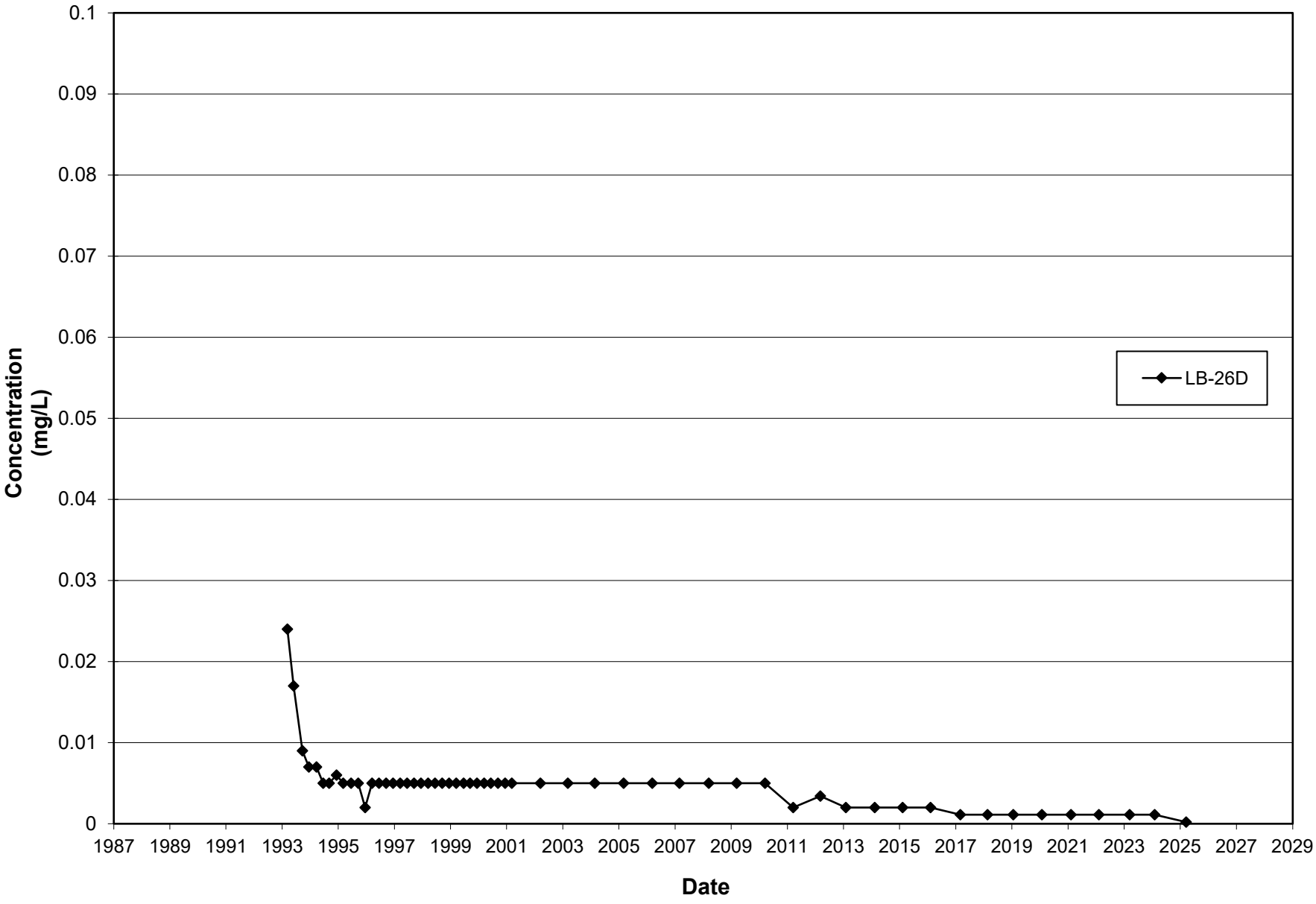


SCS Engineers, 1/22/2026

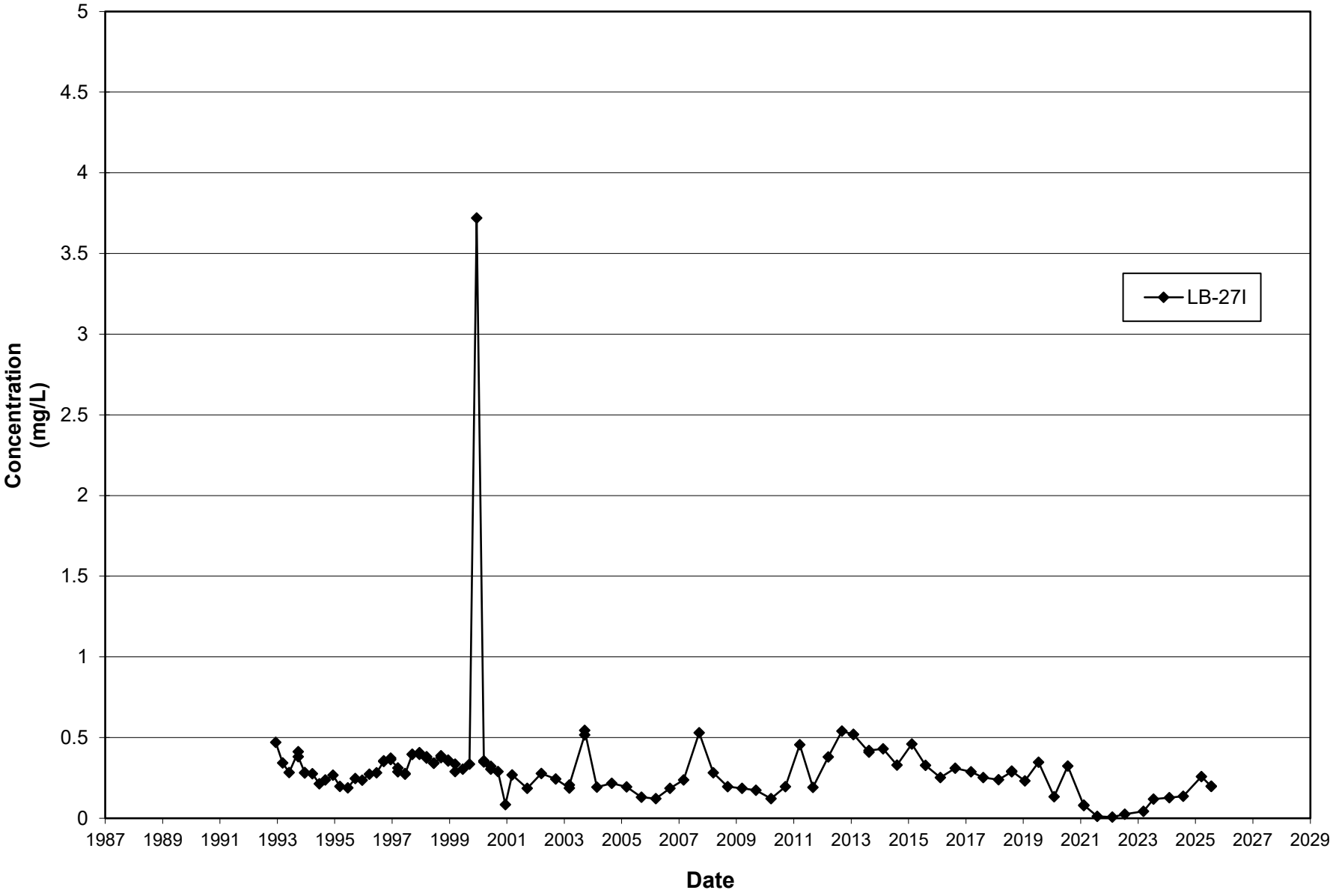
Leichner Landfill
Dissolved Manganese, LB-26I
1987 - 2025



Leichner Landfill
Dissolved Manganese, LB-26D
1987 - 2025

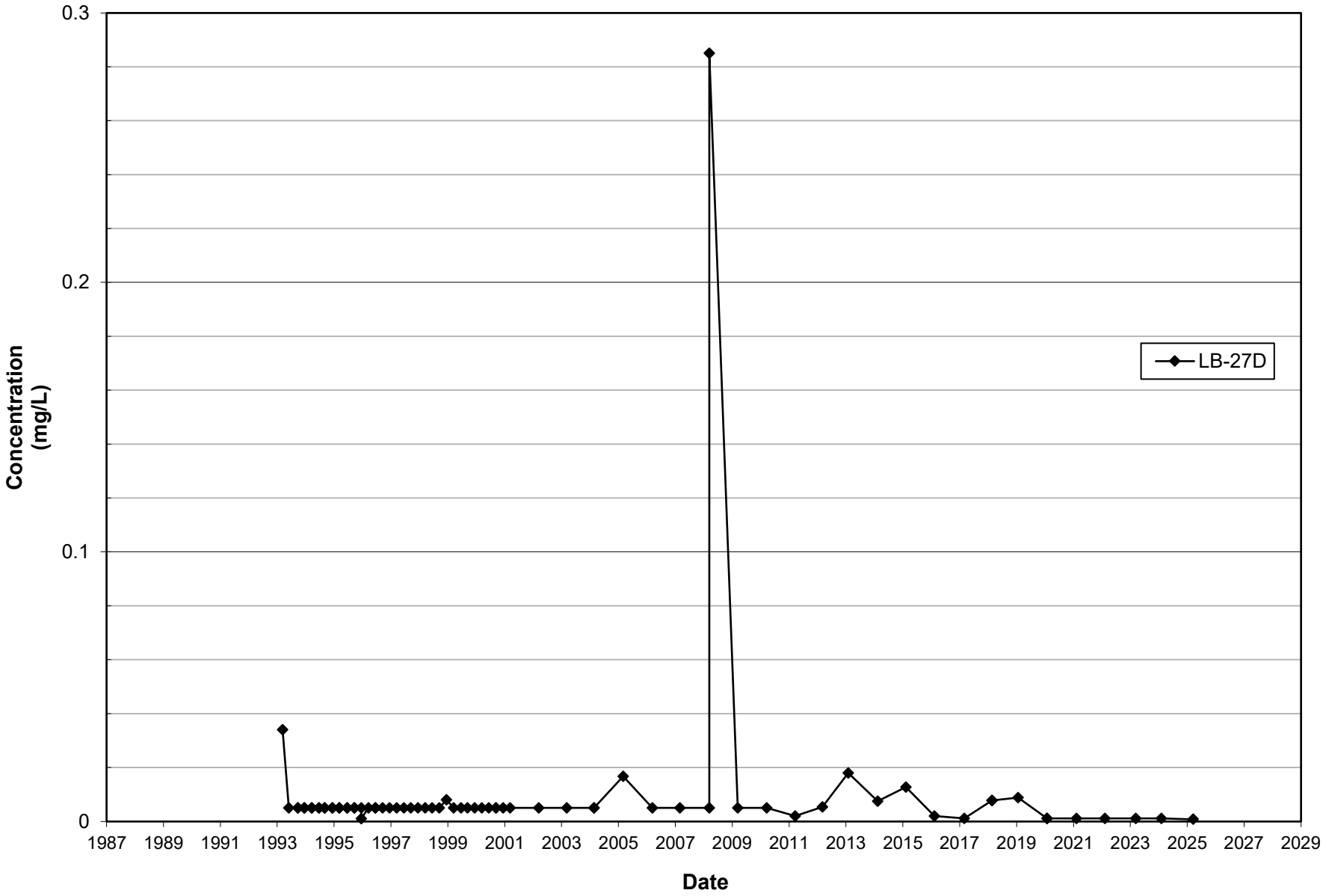


Leichner Landfill
Dissolved Manganese, LB-27I
1987 - 2025



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Leichner Landfill
Dissolved Manganese, LB-27D
1987 - 2025



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APPENDIX G

Summary of 2025 Groundwater Statistical Calculations

Table G-1
Groundwater Statistics
95 Percent Upper Confidence Limits on the Mean
Leichner Landfill

	LB-1S 2016-2025					LB-1D 2006-2025				
Parameter	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	20	20	Non	7.15	8.08	20	20	Lognormal	6.64	6.88
Nitrate (mg/L)	20	20	Lognormal	4.53	5.02	20	20	Non	5.87	6.00
TDS (mg/L)	19	19	Lognormal	189.11	197.90	20	20	Lognormal	168.85	178.53
Metals (mg/L)										
Iron (dissolved)	19	2	Lognormal	0.013	M(0.024)	20	3	Lognormal	0.034	M(0.04)
Manganese (dissolved)	19	2	Lognormal	0.001	M(0.0018)	20	3	Lognormal	0.003	M(0.0058)

	LB-3S 2008-2025					LB-3D 2006-2025				
Parameter	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	20	20	Lognormal	4.12	4.54	20	20	Non	4.60	5.16
Nitrate (mg/L)	20	19	Non	3.93	4.20	20	20	Non	4.80	5.22
TDS (mg/L)	19	19	Lognormal	160.74	170.49	20	20	Lognormal	165.30	174.21
Metals (mg/L)										
Iron (dissolved)	19	0	NC	NC	All ND	20	1	NC	NC	M(0.027)
Manganese (dissolved)	19	0	NC	NC	All ND	20	1	NC	NC	M(0.0019)

	LB-5S 2016-2025					LB-5D 2006-2025				
Parameter	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	20	20	Lognormal	4.56	5.18	20	20	LogNormal	9.900	10.950
Nitrate (mg/L)	20	20	Normal	4.85	5.36	20	20	Lognormal	1.030	1.200
TDS (mg/L)	20	20	Normal	152.23	161.38	20	20	Non	225.250	236.960
Metals (mg/L)										
Iron (dissolved)	20	4	Lognormal	0.019	M(0.035)	20	3	Lognormal	0.057	M(0.13)
Manganese (dissolved)	20	5	Lognormal	0.001	M(0.0013)	20	12	Lognormal	0.002	M(0.0043)

	LB-6S 2016-2025					LB-20S 2008-2025				
Parameter	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	20	20	Lognormal	4.95	5.78	20	20	Lognormal	13.58	23.19
Nitrate (mg/L)	20	19	Lognormal	2.32	M(4.37)	20	4	LogNormal	0.37	M(0.68)
TDS (mg/L)	20	20	Non	154.52	M(189)	19	19	Lognormal	241.89	268.30
Metals (mg/L)										
Iron (dissolved)	20	4	Lognormal	0.01	M(0.023)	19	17	Lognormal	0.23	0.69
Manganese (dissolved)	20	3	Lognormal	0.00	M(0.00085)	19	19	Lognormal	1.33	3.33

Table G-1
Groundwater Statistics
95 Percent Upper Confidence Limits on the Mean
Leichner Landfill

	LB-10SR 2016-2025					LB-10DR 2006-2025				
Parameter	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	20	20	Lognormal	11.970	18.940	20	20	Lognormal	16.77	21.29
Nitrate (mg/L)	20	20	Lognormal	4.780	10.560	20	20	Lognormal	2.11	2.77
TDS (mg/L)	20	20	Lognormal	228.250	255.020	20	20	Lognormal	267.20	294.96
Metals (mg/L)										
Iron (dissolved)	20	6	Normal	0.029	M(0.064)	20	8	Lognormal	0.140	M(0.76)
Manganese (dissolved)	20	10	Lognormal	0.0019	0.0021	20	11	Lognormal	0.081	M(0.417)

	LB-13I 2016-2025					LB-13D 2006-2025				
Parameter	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	20	20	Lognormal	7.970	8.760	20	20	Nonparametric	4.800	5.360
Nitrate (mg/L)	20	20	Normal	3.680	4.070	20	20	Lognormal	4.860	4.990
TDS (mg/L)	20	20	Lognormal	190.500	195.570	20	20	Non	164.850	173.200
Metals (mg/L)										
Iron (dissolved)	20	5	Lognormal	0.015	M(0.026)	20	1	NC	NC	M(0.024)
Manganese (dissolved)	20	17	Lognormal	0.003	0.0055	20	0	NC	NC	NC

	LB-17I 2007-2025					LB-17D 2006-2025				
Parameter	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	20	20	Non	12.380	14.410	20	20	Lognormal	9.510	10.870
Nitrate (mg/L)	6	0	NC	NC	All ND	20	1	NC	NC	M(1.61)
TDS (mg/L)	20	20	Lognormal	221.450	239.580	20	20	Lognormal	192.800	201.790
Metals (mg/L)										
Iron (dissolved)	20	20	Lognormal	8.580	9.360	20	20	Non	0.120	0.150
Manganese (dissolved)	20	20	Lognormal	1.520	1.710	20	20	Lognormal	3.940	4.060

	LB-26I 2016-2025					LB-26D 2006-2025				
Parameter	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	20	20	Lognormal	7.230	7.870	20	20	Lognormal	4.970	5.290
Nitrate (mg/L)	20	20	Lognormal	3.880	4.090	20	20	Lognormal	5.220	5.490
TDS (mg/L)	20	20	Lognormal	183.500	190.610	20	20	Lognormal	175.200	182.420
Metals (mg/L)										
Iron (dissolved)	20	4	Lognormal	0.021	M(0.046)	20	2	Lognormal	0.015	M(0.027)
Manganese (dissolved)	20	14	Normal	0.003	0.003	20	1	NC	NC	M(0.0034)

Table G-1
Groundwater Statistics
95 Percent Upper Confidence Limits on the Mean
Leichner Landfill

Parameter	LB-27I 2016-2025					LB-27D 2007-2025				
	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]	No. Analyses	No. Detected	Distribution[a]	Mean	UCL 95[b]
Inorganics										
Chloride (mg/L)	20	20	Lognormal	16.080	24.690	20	20	Lognormal	9.120	9.920
Nitrate (mg/L)	20	20	Normal	1.600	1.320	20	20	Non	3.790	4.050
TDS (mg/L)	20	20	Lognormal	271.500	301.390	20	20	Non	224.100	238.260
Metals (mg/L)										
Iron (dissolved)	20	4	Lognormal	0.031	M(0.044)	20	7	Lognormal	0.068	M(0.23)
Manganese (dissolved)	20	20	Normal	0.180	0.230	20	9	Lognormal	0.039	M(0.28)

Notes:

mg/L = milligrams per liter; µg/L = micrograms per liter; NC = not calculated, more than 50% samples were non-detect; Non = neither normal nor lognormal distribution;

M = default to maximum value per Statistical Guidance for Ecology Site Managers

for the following scenarios: (a) more than 50% non-detect values, (b) both normal and lognormal distributions were rejected by MTCAStat,

and (c) UCL calculated using MTCAStat was higher than the maximum value of the data set.

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

[b] UCL 95 was calculated using WA DOE's MTCA Statistics EIM Data Analysis Tool (2025, WA DOE).