

Explanation of Laboratory Results

You will notice that the data report comes with several laboratory descriptions that may not be familiar to you. The following definitions of those descriptions may assist you in understanding your sample results:

- **Analyte** – the chemical or substance of interest.
- **CAS No.** – (Chemical Abstracts Service Number) – a universal system to provide a unique, unmistakable identifier for chemical substances.
- **Result (ng/L)** - the amount of an analyte (chemical or substance of interest) determined to be present in the sample analyzed by the laboratory; the reporting units ng/L (nanograms per liter) is the same as ppt (parts per trillion)
- **DL (Detection Limit)** - The lowest analyte concentration that can confidently be distinguished from zero (or a blank) concentration.
- **LOD (Limit of Detection)** - The lowest analyte concentration that must be present in a sample to be confidently (i.e., consistently) detectable.
- **LOQ (Limit of Quantitation)** - The lowest concentration that produces a quantitative result within known and recorded precision and accuracy.
- **ND (Non-Detect)** - indicates the analyte was not detected.
- **Qualifiers**
 - **"J" (Estimated Value)** - indicates the value reported for the analyte is above the DL but below the LOQ and was detected. The value reported is considered estimated.