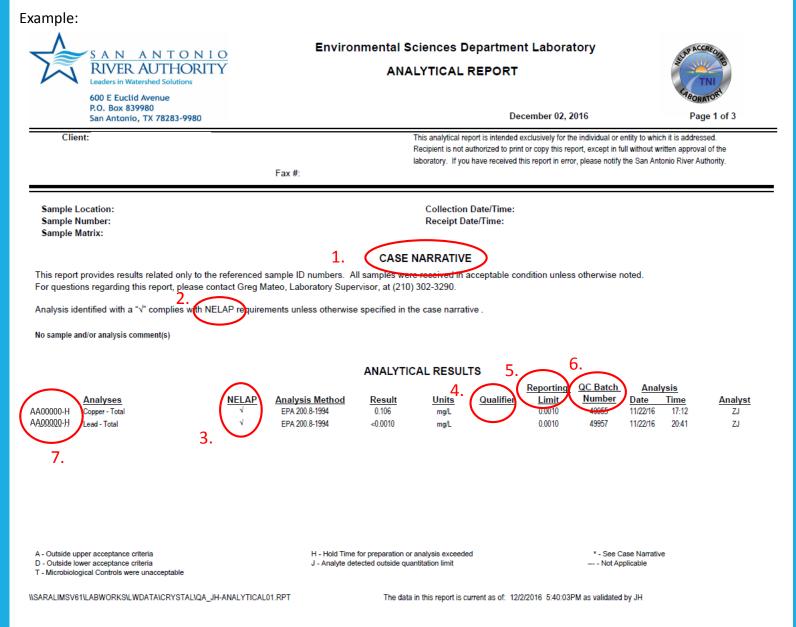
SARA Lab Analytical Report Guide

For samples submitted to the San Antonio River Authority Environmental Sciences Laboratory; customers will receive an analytical report via email, fax, or mail. The report identifies information specific to the sample such as, client, location, analyses, methods, reporting limit, test results, data qualifiers, acceptance criteria, and case narratives. Listed below are descriptors for symbols that may be seen on the analytical report.



- 1. Case Narrative: Describes relevant sample information documented upon receipt and analysis.
- 2. NELAP: National Environmental Laboratory Accreditation Program.
- 3. Checkmark: Analyses complies with NELAP requirements.
- 4. Qualifier: Data is qualified. See key at the bottom of report and/or the case narrative.
- 5. Reporting Limit: Lowest number result can be reported. Typically, the lowest standard in a curve.
- Quality Control Batch Number: Number used to group samples receiving the same analysis method, personnel and supplies in the lab on a given date.
- 7. Sample Number and Container ID: Unique number and container ID given to each sample

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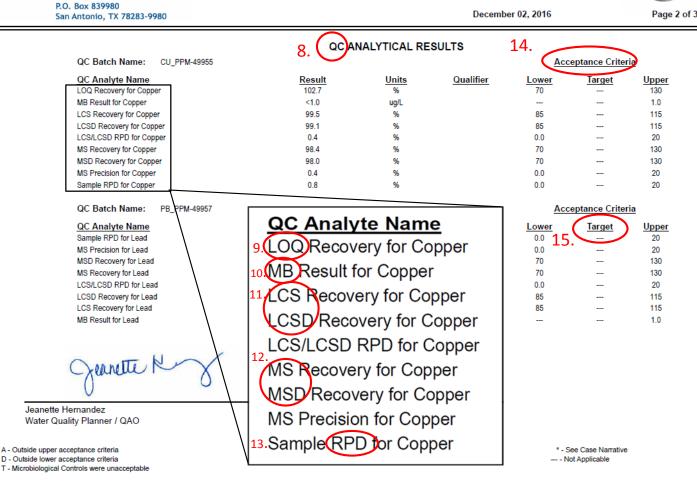


Environmental Sciences Department Laboratory

ANALYTICAL REPORT



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The data in this report is current as of: 12/2/2016 5:40:03PM as validated by JH

- 8. QC (Quality Control): System of checks that measures the performance against a defined set of standards established by the customer, program, or project to ensure results are of acceptable quality.
- 9. LOQ (Limit of Quantitation): The minimum amount of a substance that can be reported with a specific degree of confidence.
- MB (Method Blank): A standard matrix free from the analytes of interest processed under the same conditions as 10. samples.
- LCS (Lab Control Sample): A standard matrix spiked with a known amount of analyte processed under the same 11. conditions as the samples, used to measure accuracy and precision. LCSD: a duplicate of the laboratory control sample.
- 12. MS (Matrix Spike): A sample spiked with a known amount of the target analyte, taken through all steps of the procedure, measures the effect of sample on recovery. MSD: a duplicate of the matrix spike sample.
- 13. RPD (Relative Percent Difference): Measures the precision of two analytical results using matrix duplicates.
- 14. Acceptance Criteria: Specified limits set for the Quality Control.
- Target Specified result set for the Quality Control. 15.