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Caltrans Stormwater Monitoring, San Diego , CA

Professional Services Completed	Data Validation, Automated Data Review, and Data Quality Assessment
Project Completed Date	On-going

PROJECT DESCRIPTION

- Provide data validation services to assess and assure quality of the data used for stormwater runoff and BMP monitoring programs. Additionally, the LDC Caltrans automated data review software tool was used to streamline the process and reduce costs.

"Data Quality is the foundation of cost effective decision making" – Richard Amano, LDC

Scope of Work.

For the Caltrans Stormwater Monitoring Program, LDC perform data validation and automated data review using LDC's Automated Data Validation software tool per EPA guidelines for various stormwater parameters including pesticides, PCBs, heavy metals, and wet chemical parameters. Over 1,500 samples and $200,000 in data validation was performed over a 6 year period.

Key Challenges and Solutions

Challenge: The stormwater sites required analytical methods with very low detection limits and clean method blanks.

Solution: LDC staff used the automated review software and process to identify all outliers and reduce the costs for the process.