

# PERFORMANCE EVALUATION

Quarterly Study

## LPTP10-S1

10-Feb-2010 through 26-Mar-2010

### RT2086

RTC Labcode

### CA00111

US EPA Labcode

Calscience Environmental Laboratories, Inc.  
Larry Lem  
7440 Lincoln Way  
Garden Grove CA 92841

Thank you for participating in study LPTP10-S1. Additional information about this study may be found online at [www.rt-corp.com](http://www.rt-corp.com). If you have any questions or comments about this study please contact me.

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**This report may contain data that are not covered by the A2LA accreditation.**

Sincerely,



Christopher Rucinski  
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Dataset

# ORG PB 2010 First

## Accreditors

Evaluations of this dataset will be sent to the accreditor(s) listed below using your laboratory's labcode listed above each accrediting agency. If any of the information listed below is incorrect, please contact RTC immediately.

**Accrediting Labcode CA00111**

California Department of Public Health

Environmental Lab Accred. Program Branch

**104** Fred Choske

850 Marina Bay Parkway

Bldg. P, 1st Floor, MS 7103

Richmond CA 94804

UNITED STATES

## Miscellaneous Analytes

Analysis

DHS LUFT

Method Number 10000089

	Result Units	Proficiency Value	Accept. Window	Z	Evaluation
Lead, Pb 1075 / 001-PB-1 - Lot 016075	3.03 mg/Kg	3.16	1.74 to 4.58	-0.27	Acceptable
Lead, Pb 1075 / 001-PB-2 - Lot 016076 /Analysis Date: 3/11/10	40.4 mg/Kg	39.80	21.9 to 57.7	0.10	Acceptable

End of ORG PB 2010 First



## Sample Information

### Organic Lead in Soil - Sample 1

SPE-001-PB-1 / Lot 016075

	Units	Assigned Value	Study Mean	Study Std. Dev.
Lead, Pb 1075 Miscellaneous Analytes	mg/Kg	3.16 ± 0.031		

### Organic Lead in Soil - Sample 2

SPE-001-PB-2 / Lot 016076

	Units	Assigned Value	Study Mean	Study Std. Dev.
Lead, Pb 1075 Miscellaneous Analytes	mg/Kg	39.8 ± 0.386		

### Definitions:

**Assigned Value:** Value attributed to a particular quantity and accepted, sometimes by convention, as having an uncertainty appropriate for a give purpose. See ISO Guide 43 for additional information.

**Accept. Window:** The range of values that constitute acceptable performance for a laboratory participation in this PT study.

**Z:** A Z-Score tells how a single data point compares to normal data. A Z-Score says not only whether a point was above or below average, but how unusual the measurement is. Generally, a method result with a Z-Score less than |2| is considered to be in control, a Z-Score between |2| and |3| is considered 'Questionable', but still within control and a Z greater than |3| is considered not acceptable and the method is out of control.

**Study Mean:** Statistical study mean calculated using a robust statistical model (RTC employs the 'Biweight Program'). Robust statistical techniques to minimize the influence that extreme results can have on estimates of the mean and standard deviation NOTE - These techniques assign less weight to extreme results, rather than eliminate them from a data set.

**Study Std. Dev.:** Standard deviation calculated from study data using robust statisticals (Biweight).

**Gravimetric Value:** The prepared to value, determined by gravimetric means. The uncertainty associated to this value is standard uncertainty and based on RTC's gravimetric tolerances.

Program analyte accrediting footnotes

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|----------------------|--------|
| 1 NELAC              | 2 EPA  |
| 3 Other              | 4 A2LA |
| 5 NELAC Experimental |        |