PERFORMANCE EVALUATION

First Choice for Quality | RTC

Quarterly Study

LPTP09-S2

RT2086
RTC Labcode

CA00111
US EPA Labcode

22-Apr-2009 through 5-Jun-2009

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

Thank you for participating in study LPTP09-S2. Additional information about this study may be found online at 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
Quality Director

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Dataset

Organic Lead #2 2009

Miscellaneous Analytes

Analysis
DHS LUFT

Method Number 100000089

	Result Units	Assigned Value	Accept.	Z	Evaluation
Lead, Pb 1075 / 001-PB-1 - Lot 015100 /Analysis Date: 6/3/09	**2.98** mg/Kg	3.15	1.38 to 4.93	-0.29	**Acceptable**
Lead, Pb 1075 / 001-PB-2 - Lot 015101 /Analysis Date: 6/3/09	**64.2** mg/Kg	64.90	28.4 to 101	-0.06	**Acceptable**

End of Organic Lead #2 2009

Sample Information

Organic Lead in Soil - Sample 1

SPE-001-PB-1 / Lot {EncryptedLotCode}

	Units	Assigned Value	Study Mean	Study Std. Dev.	Gravimetric Value
Lead, Pb 1075 Miscellaneous Analytes	mg/Kg	3.15			3.94

Organic Lead in Soil - Sample 2

SPE-001-PB-2 / Lot {EncryptedLotCode}

	Units	Assigned Value	Study Mean	Study Std. Dev.	Gravimetric Value
Lead, Pb 1075 Miscellaneous Analytes	mg/Kg	64.90			81.1

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 statisitical 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 statisicals (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

[1] NELAC
[2] EPA
[3] Other
[4] A2LA
[5] NELAC Experimental