



Your Essential  
Connection

12/14/2006

Charles Manning  
AT Labs, a Unit of Assay Technology  
250 DeBartolo Place  
Suite 2525  
Youngstown, OH 44512

Lab ID# 100903

Dear Charles,

Please find your laboratory's Environmental Lead Proficiency Analytical Testing (ELPAT) **Round 57** results for Paint, Soil and Dust. The deadline to order an ELPAT 57 retest is January 2, 2007. ELPAT Round 58 sample kits will be mailed to laboratories on February 1, 2007. Your laboratory's data will be due by 11:59PM EST on March 1, 2007.

Please handle, store and analyze your laboratory's PAT samples in the same manner as routine client samples. To submit results, visit the Proficiency Analytical Testing (PAT) page and click on the PAT Data Entry Portal:

<http://www.aiha.org/Content/LQAP/PT/pt.htm>

Your laboratory's password needed to access the PAT Data Entry Portal is provided in the upper right hand corner (next to your lab ID#) of the address label on the results submission form included with your PAT samples.

**Please note:** Print and save the confirmation page after submitting data via the AIHA PAT Data Entry Portal.

**The AIHA Laboratory Quality Assurance Program Policies and Application for AIHA Accreditation are available on-line.**

<http://www.aiha.org/Content/LQAP/documents/documents.htm>

**Note: The Policies for 2006 comply with ISO/IEC 17025:1999**

I encourage you to contact me with any feedback, questions or if you wish to contest your results at (703) 846-0797.

Sincerely,

Natasha Sekitoleko  
PAT Data Specialist.

## Environmental Lead Proficiency Analytical Testing Results

This document contains three sub-reports relating to ELPAT Round 57. The first report contains your laboratory's results listed per contaminant, per sample. The second report contains your past proficiency data for 2 and 4 rounds respectively (where applicable), and the final report contains summary results for all laboratories for ELPAT round 57.

### Testing Results for ELPAT Round 57

This part of your report contains your laboratory's results listed per contaminant, per sample.

Contaminant	Units	#	Result	Reference Value	Lower Limit	Upper Limit	z-Score	Rating
Paint Chips	%	1	5.2700	5.3035	4.3286	6.2784	-0.1	A
	%	2	0.3720	0.4140	0.3422	0.4859	-1.8	A
	%	3	0.0950	0.1069	0.0858	0.1280	-1.7	A
	%	4	2.4500	2.5606	2.1154	3.0058	-0.7	A
Soil	mg/kg	1	309.0000	327.3757	270.6797	384.0718	-1.0	A
	mg/kg	2	503.0000	520.9702	432.7612	609.1792	-0.6	A
	mg/kg	3	81.5000	78.9702	54.8266	103.1139	0.3	A
	mg/kg	4	114.0000	112.9883	86.3277	139.6489	0.1	A
Dust Wipes	ug	1	109.0000	118.1105	81.6134	154.6075	-0.7	A
	ug	2	237.0000	224.7152	145.4460	303.9844	0.5	A
	ug	3	33.5000	36.3294	24.9561	47.7027	-0.7	A
	ug	4	137.0000	163.4124	123.8905	202.9343	-2.0	A

**Please note:**

Reference value is the mean of the reference laboratories

Lower limit: reference value - 3 standard deviations

Upper limit: reference value + 3 standard deviations

A: Acceptable\* Analysis; U: Unacceptable Analysis

Z-Score = (reported result - reference value)/standard deviation

\*Note: The acceptability of reported results is based on upper and lower performance limits.

### Overall Performance Summary Concluding with 57

The following table contains overall proficiency results for 2 and 4 rounds respectively (where applicable).

Sample	Round	Round Performance	2 Rounds	2 Round %	4 Rounds	4 Round %	Proficiency Status
Paint	54	4/4					
	55	4/4					
	56	4/4					
	57	4/4	8/8	100%	16/16	100%	P
Soil	54	4/4					
	55	4/4					
	56	4/4					
	57	4/4	8/8	100%	16/16	100%	P
Dust	54	4/4					
	55	4/4					
	56	4/4					
	57	4/4	8/8	100%	16/16	100%	P

**Please note:**

The denominators represent the total number of samples analyzed.

The numerators represent the number of acceptable results.

P – Proficient; NP – Non-proficient.

A laboratory is rated proficient (P) for the applicable FoT/Method(s), if

- 1) for the last two consecutive PT rounds, all samples are analyzed and the results are 100% acceptable or
- 2) three-fourths (75%) or more of the accumulated results over four PT rounds are acceptable.

If a lab receives samples and does not report the data, the results will be treated as outliers.

