



## AIHA Proficiency Analytical Testing Programs, LLC

2700 Prosperity Avenue, Suite 250, Fairfax, Virginia 22031 USA

main 1+ 703-846-0757 fax 1+ 703-207-8558

[www.aihapat.org](http://www.aihapat.org)

3/15/2010

Steve Green  
AT Labs, a Unit of Assay Technology  
250 DeBartolo Place  
Suite 2525  
Boardman, OH 44512

Lab ID# 100903

Dear Steve Green,

Please find your laboratory's Environmental Lead Proficiency Analytical Testing (ELPAT) **Round 70** results for Paint, Soil and Dust. It is the Laboratory's responsibility to thoroughly review results and to immediately contact the AIHA Proficiency Analytical Testing Programs, LLC in writing, if any errors are found in your report.

The proficiency demonstrated by the results of this ELPAT round is valid until the close of the retest round on April 30, 2010 if the laboratory chooses to participate or until June 15, 2010 when the next ELPAT report will be available.

Unacceptable performance may be improved by correctly analyzing a set of retest samples. **The deadline to order an ELPAT 70 retest is March 30, 2010.** Retest Order Forms are available online at [www.aihapat.org](http://www.aihapat.org). Retest sample kits are mailed via USPS Mail within five business days after the order deadline.

ELPAT Round 71 sample kits will be mailed to laboratories on May 1, 2010. Your laboratory's data will be due by 11:59PM EST on June 1, 2010.

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: [www.aihapat.org](http://www.aihapat.org). **Always print and save the confirmation page** after submitting data via the PAT Data Entry Portal.

Your laboratory's password, needed to access the reports through 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 worksheet included with your PAT samples.

Any enrolled laboratory, that is unable to participate in a PT round, must request an "Excused Absence" in order to not receive outliers and an unacceptable performance rating. This written request must be received by the before the PT round closes. Please note that an "Excused Absence" will not be granted for more than two consecutive rounds.

I encourage you to contact me with any feedback, questions or if you wish to contest your results at [nmugambwa@aiha.org](mailto:nmugambwa@aiha.org) or (703) 846-0797.

Sincerely,

A handwritten signature in black ink that reads 'Nmugambwa'. The signature is written in a cursive style with a large initial 'N'.

Natasha Mugambwa, MS  
Manager, AIHA PAT Programs, LLC

## Environmental Lead Proficiency Analytical Testing Results

This document contains three sub-reports relating to ELPAT Round 70. 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 70.

### Testing Results for ELPAT Round 70

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	2.5900	2.5487	2.1630	2.9345	0.3	A
	%	2	1.1100	1.2920	1.0790	1.5050	-2.6	A
	%	3	0.6250	0.7238	0.5843	0.8634	-2.1	A
	%	4	0.5830	0.0708	0.0535	0.0880	89.3	U
Soil	mg/kg	1	141.0	154.3	122.7	186.0	-1.3	A
	mg/kg	2	217.0	227.7	189.7	265.7	-0.8	A
	mg/kg	3	319.0	319.2	258.3	380.2	0.0	A
	mg/kg	4	66.7	63.6	44.3	82.8	0.5	A
Dust Wipe	ug	1	170.0	205.7	157.5	253.8	-2.2	A
	ug	2	68.6	75.8	53.9	97.7	-1.0	A
	ug	3	243.0	287.8	220.2	355.5	-2.0	A
	ug	4	99.8	128.3	91.9	164.8	-2.3	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 70

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	67	4/4					
	68	4/4					
	69	4/4					
	70	3/4	7/8	88%	15/16	94%	P
Soil	67	4/4					
	68	4/4					
	69	4/4					
	70	4/4	8/8	100%	16/16	100%	P
Dust	67	4/4					
	68	4/4					
	69	4/4					
	70	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; I – Indeterminate

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.

