



**WISCONSIN STATE
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National Blood Lead Proficiency Testing Program

March 2009 Testing Event

This nationwide proficiency testing program is supported by Project H 46 MC00123 from the Maternal and Child Health Bureau (Title V, Social Security Act), Health Resources and Services Administration, U.S. Department of Health and Human Services, and administered at the Wisconsin State Laboratory of Hygiene.

HEALTH RESOURCES AND SERVICES ADMINISTRATION

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April 03, 2009

Dear Participant:

Your individual performance report and statistical summary for the monthly blood lead proficiency testing event are attached.

Sample 09PB08 contained a lead concentration falling below the limit of quantification for many laboratories. In this event approximately 84% of the LeadCare II participants reported a result of <3 ug /dL, making that the most appropriate target value. Because of system limitations, for evaluation purposes a target value of 2 ug/dL has been applied. This value, along with an associated acceptable range of 0-6 ug/dL appears on the individual evaluation report for LeadCare II participants. The statistical summary more correctly lists the target value as <3 ug/dL for this reporting group.

As always, please contact us with any questions you might have.

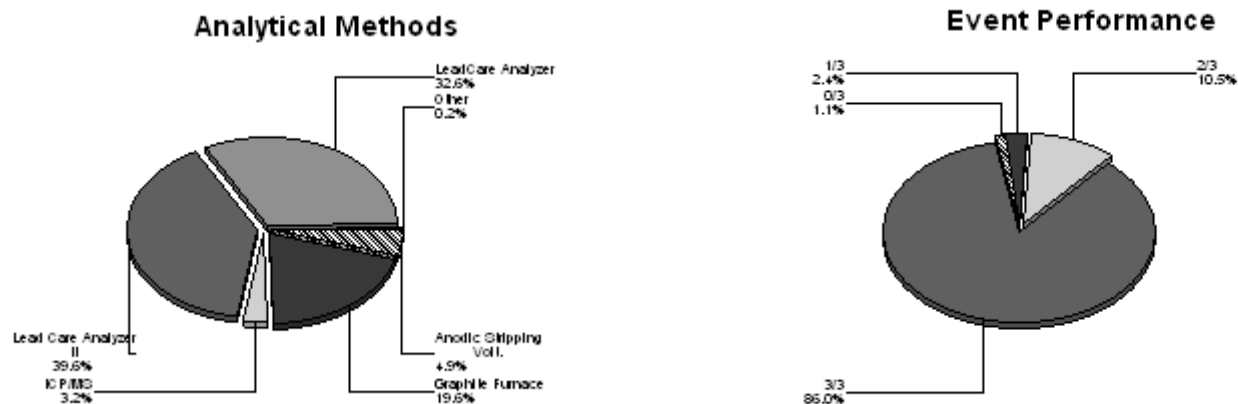
Sincerely,

Noel Stanton
Pb/EPPT Program Supervisor

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Target and Acceptable Range Information, mg/dL

Group	09PB06	09PB07	09PB08
Refereed Methods			
Target Value	10	28	1
Accepted Result	6-14	24-32	0-5
LeadCare®			
Target Value	12	32	1
Accepted Result	8-16	28-36	0-5
LeadCare® II			
Target Value	14	35	<3
Accepted Result	10-18	31-39	0-6

Method Statistics

Refereed Group	09PB06	09PB07	09PB08
Referee Laboratories (N=14)			
Mean	10.1	28.0	1.2
Standard Deviation	0.7	1.2	0.8
Number of Results *	14	14	13
All Refereed Methods (N=182)			
Mean*	10.0	27.6	1.6
Standard Deviation*	1.1	1.9	1.2
Participant Results (%Pass)	98	95	98
Anodic Stripping Voltammetry (N=32)			
Mean*	9.3	27.2	1.9
Standard Deviation*	1.3	2.3	1.3
Participant Results (%Pass)	100	91	100
Electrothermal AA (GFAA) (N=129)			
Mean*	10.3	27.8	1.5
Standard Deviation*	0.9	1.7	1.2
Participant Results (%Pass)	98	97	98
ICP-MS (N=21)			
Mean*	10.2	27.5	1.6
Standard Deviation*	0.7	2.2	1.2
Participant Results (%Pass)	100	95	100

* Statistical outliers and alpha-numeric results (e.g. <X) have been excluded from the calculations

† Lack of statistical group consensus; all results deemed acceptable.

LeadCare® Group	09PB06	09PB07	09PB08
LeadCare® (N=214)			
Mean*	11.9	32.2	1.4
Standard Deviation*	1.3	2.4	1.3
Participant Results (%Pass)	97	91	96
LeadCare® II (N=261)			
Mean*	13.6	34.6	<3
Standard Deviation*	1.8	3.1	N/A
Participant Results (%Pass)	93	82	98

* Statistical outliers and alpha-numeric results (e.g. <X) have been excluded from the calculations

† Lack of statistical group consensus; all results deemed acceptable.

