

# Metals Analysis of Paints

(AIHA-LAP, LLC Accreditation, Lab ID #101629)

Forensic Analytical Consulting Svcs  
Madeleine Dangazyan  
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Rancho Dominguez, CA 90221

**Client ID:** LA05  
**Report Number:** M222229  
**Date Received:** 02/11/20  
**Date Analyzed:** 02/12/20  
**Date Printed:** 02/13/20  
**First Reported:** 02/12/20

**Job ID / Site:** PJ45656; Rio Hondo Community College District - Lead Testing 3600 Workman  
Mill Road Whittier CA 90601

**SGSFL Job ID:** LA05

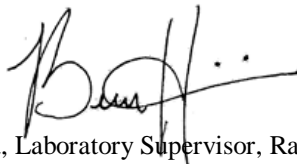
**Date(s) Collected:** 02/11/20

**Total Samples Submitted:** 16

**Total Samples Analyzed:** 16

Sample Number	Lab Number	Area in <sup>2</sup>	Analyte	Result	Result Units	Reporting Limit*	Method Reference
PB01	LM186583	4.00	Pb	0.028	mg/cm <sup>2</sup>	0.004	EPA 3050B/7000B
PB02	LM186584	4.00	Pb	0.16	mg/cm <sup>2</sup>	0.009	EPA 3050B/7000B
PB03	LM186585	4.00	Pb	0.046	mg/cm <sup>2</sup>	0.003	EPA 3050B/7000B
PB04	LM186586	4.00	Pb	0.087	mg/cm <sup>2</sup>	0.004	EPA 3050B/7000B
PB05	LM186587	4.00	Pb	0.016	mg/cm <sup>2</sup>	0.002	EPA 3050B/7000B
PB06	LM186588	4.00	Pb	0.20	mg/cm <sup>2</sup>	0.02	EPA 3050B/7000B
PB07	LM186589	4.00	Pb	0.076	mg/cm <sup>2</sup>	0.005	EPA 3050B/7000B
PB08	LM186590	4.00	Pb	< 0.0007	mg/cm <sup>2</sup>	0.0007	EPA 3050B/7000B
PB09	LM186591	4.00	Pb	< 0.0006	mg/cm <sup>2</sup>	0.0006	EPA 3050B/7000B
PB10	LM186592	4.00	Pb	0.006	mg/cm <sup>2</sup>	0.003	EPA 3050B/7000B
PB11	LM186593	4.00	Pb	0.021	mg/cm <sup>2</sup>	0.004	EPA 3050B/7000B
PB12	LM186594	4.00	Pb	< 0.0008	mg/cm <sup>2</sup>	0.0008	EPA 3050B/7000B
PB13	LM186595	4.00	Pb	0.009	mg/cm <sup>2</sup>	0.004	EPA 3050B/7000B
PB14	LM186596	4.00	Pb	0.26	mg/cm <sup>2</sup>	0.02	EPA 3050B/7000B
PB15	LM186597	4.00	Pb	0.10	mg/cm <sup>2</sup>	0.004	EPA 3050B/7000B
PB16	LM186598	4.00	Pb	0.008	mg/cm <sup>2</sup>	0.002	EPA 3050B/7000B

\* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.



Beatriz Hinojosa, Laboratory Supervisor, Rancho Dominguez Laboratory

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**From:** [Madeleine Dangazyan](#)  
**To:** [Rafael Gutierrez](#)  
**Cc:** [Toni Consolo](#); [Steve Long](#); [Deeta Hong](#)  
**Subject:** Fwd: Lead results interpretation - PJ45656  
**Date:** Thursday, February 13, 2020 5:51:43 PM  
**Attachments:** [M222229\\_COC01 \(1\).pdf](#)  
[M222229\\_REP01 \(1\).pdf](#)

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Hello Rafael,

Please see email below regarding the lead testing performed. Steve Long, FACS Senior Project Manager (Hazardous Building Materials Group) and Technical Oversight for the project has provided interpretation of the results. The laboratory data is also attached. Feel free to contact us if you have any questions.

Thank you,

**MADELEINE DANGAZYAN, MS**

Project Manager

Forensic Analytical Consulting Services, Inc.

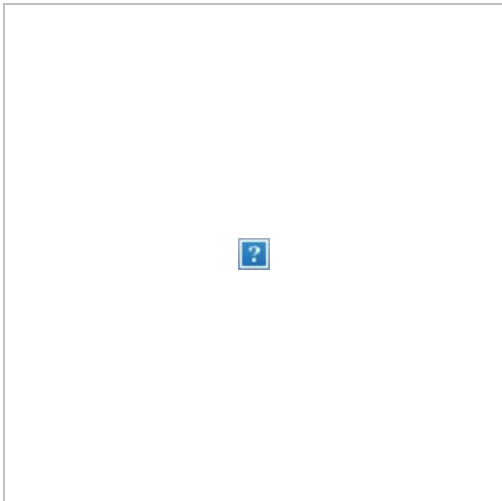
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----- Forwarded message -----

From: **Steve Long** <[slong@forensicanalytical.com](mailto:slong@forensicanalytical.com)>

Date: Thu, Feb 13, 2020 at 5:43 PM

Subject: Lead results interpretation - PJ45656

To: Madeleine Dangazyan <[mdangazyan@forensicanalytical.com](mailto:mdangazyan@forensicanalytical.com)>

Cc: Deeta Hong <[dhong@forensicanalytical.com](mailto:dhong@forensicanalytical.com)>

Madeleine here is the interpretation appropriate for the levels of lead that were found in the paint tested at Rio Hondo College. I've also attached the lab report.

Lead was detected in all but three of the sixteen paint samples collected and analyzed, but all levels were well below the important thresholds of 1.0 milligrams of lead per square centimeter of surface (mg/cm<sup>2</sup>) set by Cal. Dept. of Public Health (CDPH) for their regulation and 0.7 mg/cm<sup>2</sup> set by Los Angeles County. The highest result was only 0.26 mg/cm<sup>2</sup>. Certain work practices that these agencies would require at high levels of lead do not apply to this work because the lead levels are below their thresholds.

Since some lead was detected however, Cal/OSHA's lead in construction standard (8 CCR 1532.1) applies to the work. This requires at a minimum exposure monitoring of workers disturbing paint with lead, training under the Hazard Communication Standard, and provision of hand and face washing facilities. If exposures exceed the Action Level (AL) or Permissible Exposure Limit (PEL), then additional requirements come into play, such as more extensive training, blood testing, respirators, protective clothing, etc. If there was an expectation that the PEL would be exceeded by the work practices to be used, or is the task is one of the "trigger tasks" specifically listed in the standard (such as manual paint scraping or sanding, manual demolition, welding, sand blasting, etc.) then workers would have to comply with the elements of the standard triggered above-PEL exposures even as they were acquiring their initial exposure monitoring data.

We understand that only power washing is planned for the painted surfaces that were testing (not a trigger task). If any trigger tasks are planned though, then the trigger task requirements would apply.

If any painted components are to be removed and disposed, or any paint chips or dust are created by scraping or sanding, the resulting waste has the potential to contain levels of lead high enough to classify the waste as hazardous waste (even though the lead levels in the paint are relatively low when compared to the work practice regulations, hazardous waste definitions and concentration thresholds are very low and still could be exceeded). Consequently, if any waste involving paint is produced (including dust, chips, painted components, wipe rags, protective clothing, etc.) it must be captured and tested prior to disposal to determine if it must be disposed as hazardous waste.

Steve

**STEPHEN LONG**

Sr. Project Manager

**PAINT CHIP SAMPLE REQUEST FORM**

Client: LA05 FACS Los Angeles	Sampled by: D Hong	PM: Madeleine Dangazyan	Date: 2/11/20
Contact: Madeleine Dangazyan Phone: (310) 668-5600	Special Instructions:	E-mail results to E-mail results to agarcia@forensicanalytical.com and mrvivas@forensicanalytical.com	
Site: Ascip - Rio Hondo College, Paint Sample Admin, Science, Business	Turnaround Time:	1-Day <input checked="" type="checkbox"/>	2-Day <input type="checkbox"/>
Client No.:	FACS Job #: PJ45454	Analysis:	<input checked="" type="checkbox"/> Flame AA (Pb) / <input type="checkbox"/> Other:

Sample Number	Sample Location	Component	Color	Substrate	Condition
Pb01	Admin - North wall center - 4in <sup>2</sup> 2in <sup>2</sup>	Wall	White	concrete	Fair
Pb02	Admin - north East end - 4in <sup>2</sup> 2in <sup>2</sup>	window/door trim	Red	metal	Fair
Pb03	Admin - NW - 2in <sup>2</sup> 4in <sup>2</sup>	DOOR	Red	wood	Fair
Pb04	Admin - N side East - 2in <sup>2</sup> 4in <sup>2</sup>	pipe/downspout	white	Metal	Fair
Pb05	Breeze way - East center - 4in <sup>2</sup> 2in <sup>2</sup>	support column	White	Concrete	Fair
Pb06	Science - N center - 4in <sup>2</sup> 2in <sup>2</sup>	window/door trim	Red	metal	Fair
Pb07	Science - NW corner - 4in <sup>2</sup> 2in <sup>2</sup>	pipe/downspout	white	metal	Fair
Pb08	science - N stairs - 4in <sup>2</sup> 2in <sup>2</sup>	stair steps	yellow	concrete	Poor

Substrate: wood metal concrete plaster drywall brick

Shipped via:  Fed Ex  Airborne  UPS  US Mail  Courier  Drop Off  Other:

Relinquished by: <i>[Signature]</i>	Date & Time: 2/11/20 1517	Received by: <i>[Signature]</i>	Date & Time: 2-11-20 3:15 p
Relinquished by:	Date & Time:	Received by:	Date & Time:

\* Sample Area corrected DTH 2/11/20 → 4in<sup>2</sup>

Client: <b>LA05 FACS Los Angeles</b>	Sampled by: <u>DHong</u>	PM: <u>M. Dangazyan</u>	Date: <u>2/11/20</u>				
Contact: Phone: <b>(310) 668-5600</b>	Special Instructions: E-mail results to <u>agarcia@forensicanalytical.com</u> and <u>mrivas@forensicanalytical.com</u>						
Site: <u>ASCP Rio Hondo College paint survey - Admin Science &amp; Business</u>	Turnaround time:	1-Day <input checked="" type="checkbox"/>	2-Day <input type="checkbox"/>	3-Day <input type="checkbox"/>	5-Day <input type="checkbox"/>	Other <input type="checkbox"/>	Due Date and Time:
Client No.: <b>FACS Job #: <u>PJ45654</u></b>	Analysis:	<input checked="" type="checkbox"/> Flame AA (Pb) / <input type="checkbox"/> Other:					

Sample Number	Sample Location	Component	Color	Substrate	Condition
Pb09	science - SW stair well - 4 2in <sup>2</sup>	pipe support bracket	White	metal	Fair
Pb10	Breeze way 2nd Floor - 7 2in <sup>2</sup>	Guard rail	Green	metal	Fair
Pb11	science 2nd Floor N center - 4 2in <sup>2</sup>	wall	white	concrete	Fair
Pb12	science - west side center - 4 2in <sup>2</sup>	Door	Red	metal	Good
Pb13	Business - west side N end - 4 2in <sup>2</sup>	wall	white	concrete	Fair
Pb14	Business - west center - 4 2in <sup>2</sup>	Door	Red	wood	Fair
Pb15	Business - west center - 4 2in <sup>2</sup>	Window/Door trim	Red	metal	Fair
Pb16	Business - west side S end - 4 2in <sup>2</sup>	pipe white downspout	White	metal	Fair

Substrate: wood metal concrete plaster drywall brick

Shipped via: <input type="checkbox"/> Fed Ex <input type="checkbox"/> Airborne <input type="checkbox"/> UPS <input type="checkbox"/> US Mail <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Drop Off <input type="checkbox"/> Other:			
Relinquished by: <u>[Signature]</u>	Date & Time: <u>2/11/20 1517</u>	Received by: <u>[Signature]</u> <u>DHO</u>	Date & Time: <u>2-11-20 3:15pm</u> Condition Acceptable <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Relinquished by:	Date & Time:	Received by:	Date & Time: Condition Acceptable <input type="checkbox"/> Yes <input type="checkbox"/> No

\* sample Area corrected DH 2/12/20 → 4in<sup>2</sup>