

January 19, 2010

**Asbestos and Pb (Lead) Survey UCSB Biology II Building 571**

The University of California Santa Barbara (UCSB), Design and Construction Services (DC&S) has compiled this report to disclose existing knowledge of asbestos and Pb (Lead) containing building components located at Buildings 571 on the UCSB Campus.

**Asbestos Sampling**

Table 1.0 Asbestos Laboratory Reports lists the reports attached by Report Number, Date, Laboratory, Analysis Type, and Comments.

Table 1.0 - Asbestos Laboratory Reports

Report #	Report Date	Laboratory	Analysis Type	Comments
B129069	10/14/2009	Forensic Analytical	PLM EPA Method 600/R-93-116	Various Samples in work area including but not limited to: pipe insulation, sheet flooring, mastics, plaster, gypsum.
B128735	10/02/2009	Forensic Analytical	PLM EPA Method 600/R-93-116	Upper roof main field samples.
B110241	03/10/2008	Forensic Analytical	PLM EPA Method 600/R-93-116	Typical roof samples on and around exhaust fans.
B108703	01/31/2008	Forensic Analytical	PLM EPA Method 600/R-93-116	Typical tile, wall, and lab bench samples.
B080556	01/18/2006	Forensic Analytical	PLM EPA Method 600/R-93-116	Typical floor tile samples.
B125126	06/05/2009	Forensic Analytical	PLM EPA Method 600/R-93-116	Atypical environmental room ceiling patch.

**Lead Paint Sampling Results**

Table 2.0 Pb (Lead) Laboratory Reports lists the reports attached by Report Number, Date, Laboratory, Analysis Type, and Comments.

Table 2.0 – Pb (Lead) Laboratory Reports

Report #	Report Date	Laboratory	Analysis Type	Comments
M106311	10/13/2009	Forensic Analytical	TTLC Metal Analysis Flame AA	Various paint samples in the work area.
M091495	01/30/2008	Forensic Analytical	TTLC Metal Analysis Flame AA	Typical paint samples.
M082849	01/17/2007	Forensic Analytical	TTLC Metal Analysis Flame AA	Typical paint samples.
M092284	03/10/2008	Forensic Analytical	TTLC Metal Analysis Flame AA	Typical paint samples on exhaust fans on roof.

UCSB's industrial wastewater permit<sup>1</sup> local limit for lead is 1.040 mg/l. The California Code of Regulations, Title 22 classifies waste containing more than 50 ppm lead as hazardous<sup>2</sup> without further waste characterization. If you have any question regarding this report please contact me at 805-451-1918 or [gene.horstin@dcs.ucsb.edu](mailto:gene.horstin@dcs.ucsb.edu)

Sincerely,

Gene Horstin  
University of California Santa Barbara  
Asbestos and Pb Clerk of the Works  
Asbestos Abatement Project Designer Cert# PD39-09  
Asbestos Inspector & Management Planner Cert# BIMP91-09  
Asbestos Contractor & Supervisor Cert# CS182-09  
CDPH Lead Inspector/Assessor ID# 20134

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<sup>1</sup>Industrial Wastewater Discharge Permit Number IV-413, Part I, Wastewater Discharge Limitations and Monitoring Requirements – Local Limits

<sup>2</sup>TITLE 22. Social Security, Division 4.5. Environmental Health Standards for the Management of Hazardous Waste, Chapter 11. Identification and Listing of Hazardous Waste, Article 3. Characteristics of Hazardous Waste, §66261.24, Characteristic of Toxicity



# Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

U.C. Santa Barbara  
 Project Manager  
 Design and Construction Svcs  
 Building 370  
 Santa Barbara, CA 93106

**Client ID:** 5151  
**Report Number:** B129069  
**Date Received:** 10/09/09  
**Date Analyzed:** 10/14/09  
**Date Printed:** 10/14/09  
**First Reported:** 10/14/09

**Job ID/Site:** Bio II Stem Cell II Project - Bldg 571

**FALI Job ID:** 5151-1576

**Date(s) Collected:** 10/07/2009

**Total Samples Submitted:** 33

**Total Samples Analyzed:** 33

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>20091007-571-PLM-1</b>	10910707						
Layer: Tan Mastic			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20091007-571-PLM-2</b>	10910708						
Layer: White Tape			<b>ND</b>				
Layer: Paint			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (45 %)							
<b>20091007-571-PLM-3</b>	10910709						
Layer: Tan Sheet Flooring			<b>ND</b>				
Layer: Fibrous Backing			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)							
<b>20091007-571-PLM-4</b>	10910710						
Layer: White Semi-Fibrous Material		Chrysotile	<b>5 %</b>	Amosite	<b>10 %</b>		
Layer: White Woven Material			<b>ND</b>				
Layer: Paint			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (13%)</b>					
Cellulose (10 %)							
<b>20091007-571-PLM-5</b>	10910711						
Layer: White Semi-Fibrous Material		Chrysotile	<b>5 %</b>	Amosite	<b>10 %</b>		
Layer: White Woven Material			<b>ND</b>				
Layer: Paint			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (13%)</b>					
Cellulose (10 %)							
<b>20091007-571-PLM-6</b>	10910712						
Layer: White Semi-Fibrous Material		Chrysotile	<b>10 %</b>	Amosite	<b>7 %</b>		
Layer: White Woven Material			<b>ND</b>				
Layer: Paint			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (15%)</b>					
Cellulose (10 %)							

Client Name: U.C. Santa Barbara

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>20091007-571-PLM-7</b>	10910713						
Layer: White Semi-Fibrous Material		Chrysotile	10 %				
Layer: White Woven Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (9%)</b>					
Cellulose (10 %)							
<b>20091007-571-PLM-8</b>	10910714						
Layer: Off-White Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20091007-571-PLM-9</b>	10910715						
Layer: Dark Brown Mastic			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20091007-571-PLM-10</b>	10910716						
Layer: Black Felt			ND				
Layer: White Foam			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (45 %)							
<b>20091007-571-PLM-11</b>	10910717						
Layer: Green Mastic			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20091007-571-PLM-12</b>	10910718						
Layer: Grey Cementitious Material			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20091007-571-PLM-13</b>	10910719						
Layer: White Plaster			ND				
Layer: White Foam			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace) Fibrous Glass (10 %)							
<b>20091007-571-PLM-14</b>	10910720						
Layer: Tan Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20091007-571-PLM-15</b>	10910721						
Layer: White Tape			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (80 %)							

Client Name: U.C. Santa Barbara

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>20091007-571-PLM-16</b>	10910722						
Layer: Black Non-Fibrous Material							<b>ND</b>
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20091007-571-PLM-17</b>	10910723						
Layer: White Drywall							<b>ND</b>
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (20 %)							
<b>20091007-571-PLM-18</b>	10910724						
Layer: White Non-Fibrous Material							<b>ND</b>
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20091007-571-PLM-19</b>	10910725						
Layer: Tan Mastic							<b>ND</b>
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20091007-571-PLM-20</b>	10910726						
Layer: Grey Cementitious Material							<b>ND</b>
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20091007-571-PLM-21</b>	10910727						
Layer: Tan Fibrous Material							<b>ND</b>
Layer: White Fibrous Material							<b>ND</b>
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (70 %) Fibrous Glass (25 %)							
<b>20091007-571-PLM-22</b>	10910728						
Layer: Tan Sheet Flooring							<b>ND</b>
Layer: Fibrous Backing				Chrysotile			<b>70 %</b>
Total Composite Values of Fibrous Components:		<b>Asbestos (25%)</b>					
Cellulose (5 %)							
<b>20091007-571-PLM-23</b>	10910729						
Layer: Grey Cementitious Material							<b>ND</b>
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20091007-571-PLM-24</b>	10910730						
Layer: White Plaster							<b>ND</b>
Layer: White Foam							<b>ND</b>
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace) Fibrous Glass (10 %)							

Client Name: U.C. Santa Barbara

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>20091007-571-PLM-25</b>	10910731						
Layer: White Non-Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20091007-571-PLM-26</b>	10910732						
Layer: Black Non-Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20091007-571-PLM-27</b>	10910733						
Layer: White Tape			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (55 %)							
<b>20091007-571-PLM-28</b>	10910734						
Layer: Black Non-Fibrous Material			<b>ND</b>				
Layer: Tan Mastic			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20091007-571-PLM-29</b>	10910735						
Layer: Tan Tile		Chrysotile	<b>2 %</b>				
Layer: Black Mastic		Chrysotile	<b>5 %</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (2%)</b>					
Cellulose (Trace)							
<b>20091007-571-PLM-30</b>	10910736						
Layer: White Semi-Fibrous Material		Chrysotile	<b>5 %</b>	Amosite	<b>10 %</b>		
Total Composite Values of Fibrous Components:		<b>Asbestos (15%)</b>					
Cellulose (Trace)							
<b>20091007-571-PLM-31</b>	10910737						
Layer: Debris		Chrysotile	<b>Trace</b>	Amosite	<b>Trace</b>		
Total Composite Values of Fibrous Components:		<b>Asbestos (Trace)</b>					
Cellulose (20 %)							
Comment: Wipe/Microvac/Debris sample: Quantitative data may not be repeatable or represent the entire sample.							
<b>20091007-571-PLM-32</b>	10910738						
Layer: Debris		Chrysotile	<b>Trace</b>	Amosite	<b>Trace</b>		
Total Composite Values of Fibrous Components:		<b>Asbestos (Trace)</b>					
Cellulose (20 %)							
Comment: Wipe/Microvac/Debris sample: Quantitative data may not be repeatable or represent the entire sample.							
<b>20091007-571-PLM-33</b>	10910739						
Layer: Grey Plaster			<b>ND</b>				
Layer: White Foam			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)		Fibrous Glass (10 %)					

**Report Number:** B129069

**Date Printed:** 10/14/09

**Client Name:** U.C. Santa Barbara

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
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James Flores, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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**Project:** Bio II Stem Cell II Project

**Date:** 10/07/2009

**W.O.#:** 130-54

**Sampler Name:** G. Horstin

**Building Name/Number:** Bldg. 571

**Sample Analysis**

**Turn Around**

PLM	12 HR	24 HR	Other
Lab Instructions:	Due Date: 10/14/2009		

Sample No.	Material(s)	HID No.	Location
20091007-571-PLM-01	Tan mastic, white paint.		Bldg. 571, rm. 3193, on fume hood duct.
20091007-571-PLM-02	White paint, tape.		Bldg. 571, rm. 3193, HVAC duct.
20091007-571-PLM-03	Tan linoleum.		Bldg. 571, rm. 3193, floor, next to door to rm. 3173.
20091007-571-PLM-04	White pipe insulation.		Bldg. 571, rm. 3705, on 3" riser.
20091007-571-PLM-05	White pipe insulation.		Bldg. 571, rm. 3705, on 4" riser.
20091007-571-PLM-06	White pipe insulation.		Bldg. 571, rm. 3705, on elbow of 6" pipe.
20091007-571-PLM-07	White pipe insulation.		Bldg. 571, rm. 3705, on run of 6" pipe.
20091007-571-PLM-08	Off-white caulk.		Bldg. 571, rm. 3193, on north column.
20091007-571-PLM-09	Dark brown mastic.		Bldg. 571, 3100 corridor, east wall, on base board, in front of rm. 3173.
20091007-571-PLM-10	Foam, black slip sheet.		Bldg 571, rm. 4161B, under concrete floor, next to south door.
20091007-571-PLM-11	Olive green mastic.		Bldg. 571, rm. 4161A, on south wall behind wood bar.
20091007-571-PLM-12	Concrete.		Bldg. 571, rm. 4161B, on floor next to south door.
20091007-571-PLM-13	Plaster, foam.		Bldg. 571, rm. 4161A, east wall on column.
20091007-571-PLM-14	Yellow mastic.		Bldg. 571, rm. 4165, on abandoned drain cap above middle lab bench.
20091007-571-PLM-15	Canvas tape.		Bldg. 571, rm. 4161, on duct against east wall, near main door to lab.
20091007-571-PLM-16	Black lab bench top.		Bldg. 571, rm. 4161, middle lab bench.

311 F/E 1030  
 10/9/09



20091007-571-PLM-17	Gypsum wall.		Bldg. 571, rm. 4155, west wall above door.
20091007-571-PLM-18	White rubber caulk.		Bldg. 571, rm. 4161B, west wall, above curb, 1' north of south door.
20091007-571-PLM-19	Tan base board mastic.		Bldg. 571, rm. 4161, south wall, 15' from east wall.
20091007-571-PLM-20	Dark grey concrete patch.		Bldg. 571, rm. 4165, on abandoned drain on ceiling above middle bench.
20091007-571-PLM-21	Brown insulation, fiberglass, white paint.		Bldg. 571, rm. 4161A, west cold room door.
20091007-571-PLM-22	Beige linoleum.		Bldg. 571, rm. 4168, floor, next to door, on threshold.
20091007-571-PLM-23	Concrete.		Bldg. 571, rm. 4161, on east wall above west main door to lab.
20091007-571-PLM-24	Plaster, foam.		Bldg. 571, rm. 4161B, middle of west wall, 4' up from floor.
20091007-571-PLM-25	White rubber caulk.		Bldg. 571, rm. 4161A, on door frame, west side.
20091007-571-PLM-26	Black lab bench top.		Bldg. 571, rm. 3165, north lab bench.
20091007-571-PLM-27	White tape.		Bldg. 571, rm. 4161, on north duct, west end, on square section.
20091007-571-PLM-28	Black base board, tan mastic.		Bldg. 571, rm. 4161A, south wall, middle.
20091007-571-PLM-29	Tan 12" floor tile, black mastic.		Bldg. 571, rm. 4161, floor, 1' from south wall, 3.5' from west wall.
20091007-571-PLM-30	White debris.		Bldg. 571, rm. 0706, on floor.
20091007-571-PLM-31	Debris.		Bldg. 571, rm. 0705, on floor.
20091007-571-PLM-32	Debris.		Bldg. 571, rm. 0706, on floor.
20091007-571-PLM-33	Light pour concrete, foam.		Bldg. 571, rm. 4161A, south wall, middle.

JH FIE 1030  
 10/9/09

**Chain of Custody**

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: for 1/00

Received by Name: BH F/E Company: FASI

Date/Time: 10/9/04  
10:30am

Digitally signed by Gena Horstin  
DN: cn=Gena Horstin, o=UCSB, ou=UCSB, email=G.Horstin@des.ucsb.edu, postalCode=93106, serial=1  
Date: 2005.10.28 11:11:43 -0700



# Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

U.C. Santa Barbara  
Project Manager  
Design and Construction Svcs  
Building 370  
Santa Barbara, CA 93106

**Client ID:** 5151  
**Report Number:** B128735  
**Date Received:** 09/30/09  
**Date Analyzed:** 10/02/09  
**Date Printed:** 10/02/09  
**First Reported:** 10/02/09

**Job ID/Site:** Bio II Cage Wash - Bldg 571 Roof

**FALI Job ID:** 5151-1549

**Date(s) Collected:** 09/28/2009

**Total Samples Submitted:** 2  
**Total Samples Analyzed:** 2

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>20090928-571-PLM-01</b>	10907825						
Layer: Black Tar			ND				
Layer: Stones			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Tan Fibrous Material			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (40 %)	Fibrous Glass (15 %)						
<b>20090928-571-PLM-02</b>	10907826						
Layer: Stones			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Tan Fibrous Material			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (10 %)	Fibrous Glass (40 %)						
Comment: Bulk complex sample.							

James Flores, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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**Project:** Bio. II "Cage Wash"

**Date:** 09/28/2009

**W.O.#:** 120-23

**Sampler Name:** G. Horstin

**Building Name/Number:** Bldg. 571 roof

**Sample Analysis**

**Turn Around**

PLM	12 HR	24 HR	Other
Lab Instructions:	Due Date: 10/02/2009		

Sample No.	Material(s)	HID No.	Location
20090928-571-PLM-01	Layered roofing.		Bldg. 571, roof, main field, between fan units FE71 and FE58.
20090928-571-PLM-02	Layered roofing.		Bldg. 571, roof, on cant on fan unit FE71.

**Chain of Custody**

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: for 4005

Received by Name: RH F/E Company: FASI

Date/Time: 9/30/09

1030912

Digitally signed by G. Horstin  
 DN: cn=G. Horstin, o=UCSB, ou=EH&S, email=g.horstin@dcs.ucsb.edu  
 Reason: I am the author of this document  
 Date: 2009.09.28 15:00:11 -1700



# Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

U.C. Santa Barbara  
Jerome Ripley  
Design and Construction Svcs  
Building 370  
Santa Barbara, CA 93106

**Client ID:** 5151  
**Report Number:** B110241  
**Date Received:** 03/07/08  
**Date Analyzed:** 03/08/08  
**Date Printed:** 03/10/08  
**First Reported:** 03/10/08

**Job ID/Site:** Bio II Stem Cell Project - Bldg. 571 exhaust fans of roof

**FASI Job ID:** 5151-1448

**Date(s) Collected:** 03/05/2008

**Total Samples Submitted:** 10

**Total Samples Analyzed:** 10

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>20080305-571-PLM-01</b>	10732831						
Layer: Black Semi-Fibrous Tar		Chrysotile	5 %				
Total Composite Values of Fibrous Components:		<b>Asbestos (5%)</b>					
Cellulose (Trace)							
<b>20080305-571-PLM-02</b>	10732832						
Layer: Black Semi-Fibrous Tar		Chrysotile	5 %				
Layer: Silver Paint		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		<b>Asbestos (5%)</b>					
Cellulose (Trace)							
<b>20080305-571-PLM-03</b>	10732833						
Layer: Black Semi-Fibrous Tar		Chrysotile	5 %				
Layer: Silver Paint			ND				
Layer: Black Tar			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (3%)</b>					
Cellulose (Trace)							
<b>20080305-571-PLM-04</b>	10732834						
Layer: Grey Non-Fibrous Material			ND				
Layer: Silver Paint			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20080305-571-PLM-05</b>	10732835						
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20080305-571-PLM-06</b>	10732836						
Layer: Grey Putty			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							

Report Number: B110241

Date Printed: 03/10/08

Client Name: U.C. Santa Barbara

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>20080305-571-PLM-07</b>	10732837						
Layer: Tan Putty			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20080305-571-PLM-08</b>	10732838						
Layer: Black Non-Fibrous Material			ND				
Layer: Clear Fibrous Material			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace) Fibrous Glass (85 %)							
<b>20080305-571-PLM-09</b>	10732839						
Layer: White Non-Fibrous Material			ND				
Layer: Black Semi-Fibrous Tar		Chrysotile	5 %				
Total Composite Values of Fibrous Components:		<b>Asbestos (Trace)</b>					
Cellulose (Trace)							
<b>20080305-571-PLM-10</b>	10732840						
Layer: Black Non-Fibrous Material			ND				
Layer: Clear Fibrous Material			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace) Fibrous Glass (85 %)							

James Flores, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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Project: Bio. II Stem Cell Project

Date: 03/05/2008

W.O.#: 015-80

Sampler Name: G. Horstin

Building Name/Number: Bldg. 571 exhaust fans on roof

**Sample Analysis**

**Turn Around**

PLM	12 HR	24 HR	Other
Lab Instructions:	Due Date: 03/10/2008		

Sample No.	Material(s)	HID No.	Location
20080305-571-PLM-01	Black mastic.		Bldg. 571, roof, on supports to FE29.
20080305-571-PLM-02	Silver paint, black mastic.		Bldg. 571, roof, on east side of pad of FE29.
20080305-571-PLM-03	Silver paint, black mastic.		Bldg. 571, roof, on southeast corner of pad of FE19.
20080305-571-PLM-04	Tan paint, silver paint, grey mastic.		Bldg. 571, roof, on duct to FE29, against wall to shaft #2.
20080305-571-PLM-05	Tan paint, white paint.		Bldg. 571, roof, on FE29.
20080305-571-PLM-06	Grey caulking.		Bldg. 571, on duct to E34, 6" from shaft #2.
20080305-571-PLM-07	Tan paint, white mastic.		Bldg. 571, duct on FE1.
20080305-571-PLM-08	Vibration gasket.		Bldg. 571, roof, on FE29.
20080305-571-PLM-09	Vibration gasket, brown mastic.		Bldg. 571, roof, on FE1.
20080305-571-PLM-10	Vibration gasket.		Bldg. 571, roof, on FE19.

**Chain of Custody**

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: for 11:00

Received by Name: [Signature] Company: FASI

Date/Time: 3/7/08 10:30 AM

Digitally signed by Gene Horstin  
 DN: cn=Gene Horstin, o=UCSB, ou=Design and Construction, email=horstin@dc.ucsb.edu  
 Reason: I am the author of this document.  
 Location: UC Santa Barbara  
 Date: 2008.03.08 11:26:00 -0800



# Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

U.C. Santa Barbara  
Jerome Ripley  
Design and Construction Svcs  
Building 370  
Santa Barbara, CA 93106

**Client ID:** 5151  
**Report Number:** B108703  
**Date Received:** 01/29/08  
**Date Analyzed:** 01/31/08  
**Date Printed:** 01/31/08  
**First Reported:** 01/31/08

**Job ID/Site:** Bio II Stem Cell Project - Bldg. 571 Rm 3166&3174 - WO#015-80

**FASI Job ID:** 5151-1448

**Date(s) Collected:** 01/28/2008

**Total Samples Submitted:** 11

**Total Samples Analyzed:** 11

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>20080128-571-PLM-01</b>	10721459						
Layer: Off-White Joint Compound			<b>ND</b>				
Layer: White Fibrous Material			<b>ND</b>				
Layer: Off-White Joint Compound		Chrysotile	<b>2 %</b>				
Layer: Paint			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (Trace)</b>					
Cellulose (10 %)							
<b>20080128-571-PLM-02</b>	10721460						
Layer: Tan Tile		Chrysotile	<b>2 %</b>				
Layer: Black Mastic		Chrysotile	<b>10 %</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (2%)</b>					
Cellulose (Trace)							
<b>20080128-571-PLM-03</b>	10721461						
Layer: Black Non-Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20080128-571-PLM-04</b>	10721462						
Layer: Black Non-Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20080128-571-PLM-05</b>	10721463						
Layer: Black Non-Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20080128-571-PLM-06</b>	10721464						
Layer: Black Non-Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							
<b>20080128-571-PLM-07</b>	10721465						
Layer: Black Non-Fibrous Material			<b>ND</b>				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (Trace)							



Report Number: B108703

Date Printed: 01/31/08

Client Name: U.C. Santa Barbara

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>20080128-571-PLM-08</b>	10721466						
Layer: Tan Tile		Chrysotile	2 %				
Layer: Black Mastic		Chrysotile	7 %				
Total Composite Values of Fibrous Components:		<b>Asbestos (2%)</b>					
Cellulose (Trace)							
<b>20080128-571-PLM-09</b>	10721467						
Layer: White Drywall			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (20 %) Fibrous Glass (10 %)							
<b>20080128-571-PLM-10</b>	10721468						
Layer: White Drywall			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		<b>Asbestos (ND)</b>					
Cellulose (20 %) Fibrous Glass (10 %)							
<b>20080128-571-PLM-11</b>	10721469						
Layer: Brown Tile		Chrysotile	3 %				
Layer: Black Mastic		Chrysotile	7 %				
Total Composite Values of Fibrous Components:		<b>Asbestos (3%)</b>					
Cellulose (Trace)							

James Flores, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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5151-1448

University of California, Santa Barbara  
 Environmental Health and Safety - Client # 5151  
 Asbestos and Lead Program - Contact J. Ripley 805-893-7984 jerome.ripley@dcs.ucsb.edu

Bulk Sample Log  
 Asbestos

Project: Bio. II Stem Cell Project

Date: 01/28/2008

W.O.#: 015-80

Sampler Name: G. Horstin

Building Name/Number: Bldg. 571, Rm. 3166 & 3174

Sample Analysis

Turn Around

PLM	12 HR	24 HR	Other
Lab Instructions:	Due Date: 01/31/2008		

Sample No.	Material(s)	HID No.	Location
20080128-571-PLM-01	Brown paint, joint compound, paper.		Bldg. 571, Rm. 3166, east wall, 4' from south wall, 4' up from floor.
20080128-571-PLM-02	Tan 12" floor tile, black mastic.		Bldg. 571, Rm. 3166, floor, 7' from north wall, 11' from west wall.
20080128-571-PLM-03	Black lab bench.		Bldg. 571, Rm. 3166, 2 <sup>nd</sup> lab bench from east wall.
20080128-571-PLM-04	Black lab bench.		Bldg. 571, Rm. 3166, 2 <sup>nd</sup> lab bench from west wall.
20080128-571-PLM-05	Black lab bench.		Bldg. 571, Rm. 3166, fume-hood bench top.
20080128-571-PLM-06	Black lab bench.		Bldg. 571, Rm. 3174, east bench.
20080128-571-PLM-07	Black lab bench.		Bldg. 571, Rm. 3174, west bench.
20080128-571-PLM-08	Tan 12" floor tile, black mastic.		Bldg. 571, Rm. 3174, floor, 1' from east wall, 8' from south wall.
20080128-571-PLM-09	Tan paint, paper, gypsum.		Bldg. 571, Rm. 3166, north wall, 6' from west wall, 4.5' up from floor.
20080128-571-PLM-10	Tan paint, paper, gypsum.		Bldg. 571, hall outside rm. 3174, 1' north of door, 4.5' up from floor.
20080128-571-PLM-11	Black 12" floor tile, black mastic.		Bldg. 571, in doorway to rm. 3174.

**Chain of Custody**

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: for 1/28/08

Received by Name: CE Company: FASI

Date/Time: 1/29/08

1025 F

Digitally signed by Gene Horstin  
 DN: cn=Gene Horstin, o=UCSB, ou=Design and Construction, email=horstin@dcs.ucsb.edu  
 Reason: I am the author of this document  
 Location: UC Santa Barbara  
 Date: 2008.01.28 14:05:25  
 +0800

# Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

U.C. Santa Barbara  
Project Manager  
Design and Construction Svcs  
Building 370  
Santa Barbara, CA 93106

**Client ID:** 5151  
**Report Number:** B080556  
**Date Received:** 01/16/06  
**Date Analyzed:** 01/18/06  
**Date Printed:** 01/18/06  
**First Reported:** 01/18/06

**Job ID/Site:** BIO II 3rd Flr - Bldg. 571 third floor - WO# 120-10

**FASI Job ID:** 5151-1199

**Date(s) Collected:** 01/13/2006

**Total Samples Submitted:** 5

**Total Samples Analyzed:** 5

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>20060113-571-ASB-01</b>	10483991						
Layer: Black Tile		Chrysotile	3 %				
Layer: Black Mastic		Chrysotile	3 %				
Total Composite Values of Fibrous Components:		<b>Asbestos (3%)</b>					
Cellulose (Trace)							
<b>20060113-571-ASB-02</b>	10483992						
Layer: Black Tile		Chrysotile	2 %				
Layer: Black Mastic		Chrysotile	3 %				
Total Composite Values of Fibrous Components:		<b>Asbestos (2%)</b>					
Cellulose (Trace)							
<b>20060113-571-ASB-03</b>	10483993						
Layer: Tan Tile		Chrysotile	2 %				
Layer: Black Mastic		Chrysotile	3 %				
Total Composite Values of Fibrous Components:		<b>Asbestos (2%)</b>					
Cellulose (Trace)							
<b>20060113-571-ASB-04</b>	10483994						
Layer: Tan Tile		Chrysotile	2 %				
Layer: Black Mastic		Chrysotile	3 %				
Total Composite Values of Fibrous Components:		<b>Asbestos (2%)</b>					
Cellulose (Trace)							
<b>20060113-571-ASB-05</b>	10483995						
Layer: Tan Tile		Chrysotile	3 %				
Layer: Black Mastic		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		<b>Asbestos (3%)</b>					
Cellulose (Trace)							

**Client Name:** U.C. Santa Barbara

**Report Number:** B080556

**Date Printed:** 01/18/06

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
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James Flores, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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University of California, Santa Barbara  
 Environmental Health and Safety - Client # 5151-1199  
 Asbestos and Lead Program -- Contact J. Ripley 805-893-7984 jernma.ripley@dcs.ucsb.edu

Bulk Sample Log  
 Asbestos

Project: Bio. II 3<sup>rd</sup> floor renovation

Date: 01/13/06 W.O.#: 120-10...

Sampler Name: G. Horstin

Building Name/Number: Bldg. 571 third floor

Sample Analysis

Turn Around

PLM	12 HR	24 HR	Other
Lab Instructions:	Due Date: 01/19/2006		

Sample No.	Material(s)	HID No.	Location
20060113-571-ASB-01	Black 12" floor tile, black mastic		Bldg. 571, 3 <sup>rd</sup> floor, in north hallway, 2' from south wall, 22' from east wall
20060113-571-ASB-02	Black 12" floor tile, black mastic		Bldg. 571, 3 <sup>rd</sup> floor, in north hallway, 2' from south wall, 22' from east wall
20060113-571-ASB-03	Tan 12" floor tile, black mastic		Bldg. 571, rm. 3115, 8" from south wall, 7' from west (main) door
20060113-571-ASB-04	Tan 12" floor tile, black mastic		Bldg. 571, rm. 3110, 12" from west wall, 2' from south wall
20060113-571-ASB-05	Tan 12" floor tile, black mastic		Bldg. 571, rm. 3119, 12" from west wall, 2' from south wall

**Chain of Custody**

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: 1/13/06

Received by Name: [Signature] Company: EASI

Date/Time: 1/16/06 01:55



# Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

U.C. Santa Barbara  
Project Manager  
Design and Construction Svcs  
Building 370  
Santa Barbara, CA 93106

**Client ID:** 5151  
**Report Number:** B125126  
**Date Received:** 06/05/09  
**Date Analyzed:** 06/05/09  
**Date Printed:** 06/05/09  
**First Reported:** 06/05/09

**Job ID/Site:** Bio II Sprinkler Instalation Bldg, 571 Rm. 4102

**FALI Job ID:** 5151-1548

**Date(s) Collected:** 06/04/2009

**Total Samples Submitted:** 1

**Total Samples Analyzed:** 1

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
<b>20090604-571-PLM-01</b>	10873804						
Layer: White Fibrous Material		Chrysotile	70 %				
Total Composite Values of Fibrous Components:		<b>Asbestos (70%)</b>					
Cellulose (Trace)							

James Flores, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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Project: Bio II sprinkler installation      Date: 06/04/2009      W.O.#: 130-12

Sampler Name: G. Horstin      Building Name/Number: Bldg. 571 Rm. 4102

Sample Analysis		Turn Around		
PLM		12 HR	24 HR	Other
Lab Instructions:		Due Date: 06/05/2009 <b>RUSH!!!</b>		

Sample No.	Material(s)	HID No.	Location
20090604-571-PLM-01	White plaster (?) patch.		Bldg. 571, rm. 4102, above ceiling, near hatch.

**Chain of Custody**

Relinquished by Name: G. Horstin Company: UCSB  
 Received by Name: [Signature] Company: FASI

Date/Time: [Signature]  
 Date/Time: RECEIVED JUN 05 2009

Digitally signed by G. Horstin  
 DN: cn=G. Horstin, o=UCSB, ou=DCE, email=g.horstin@dcs.ucsb.edu  
 Reason: I am the author of this document  
 Date: 2009.06.04 15:28:10 -0700



# Metals Analysis of Paints

U.C. Santa Barbara  
Jerome Ripley  
Design and Construction Svcs  
Building 370  
Santa Barbara, CA 93106

**Client ID:** 5151  
**Report Number:** M106311  
**Date Received:** 10/09/09  
**Date Analyzed:** 10/13/09  
**Date Printed:** 10/13/09  
**First Reported:** 10/13/09

**Job ID / Site:** 130-54, Bio II Stem Cell II Remodel, Bldg. 571  
**Date(s) Collected:**

**FALI Job ID:** 5151-1448  
**Total Samples Submitted:** 5  
**Total Samples Analyzed:** 5

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
20091008-571-PB-01	30358276	Pb	660	ppm	80	EPA 3050B/7420
20091008-571-PB-02	30358277	Pb	< 70	ppm	70	EPA 3050B/7420
Comment: Sample contained large amounts of attached substrate which will yield lowered weight concentration results.						
20091008-571-PB-03	30358278	Pb	1000	ppm	70	EPA 3050B/7420
20091008-571-PB-04	30358279	Pb	2700	ppm	90	EPA 3050B/7420
20091008-571-PB-05	30358280	Pb	520	ppm	60	EPA 3050B/7420

\* 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.

Dave Sandusky, Laboratory Supervisor, Hayward Laboratory

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Project: Bio II Stem Cell II Remodel

Date: 10/08/2009

W.O.#: 130-54

Sampler Name: G. Horstin

Building Name/Number: Bldg. 571

Sample Analysis

Turn Around

TTLc Pb	12 HR	24 HR	Other
Lab Instructions:	Due Date: 10/13/2009		

Sample No.	Material(s)	HID No.	Location
20091008-571-Pb-01	White paint on metal substrate.		Bldg. 571, rm. 4161, on fume hood duct on north side of room.
20091008-571-Pb-02	Grey paint, concrete.		Bldg. 571, rm. 4153, floor, near west door.
20091008-571-Pb-03	Tan paint on gypsum substrate.		Bldg. 571, rm. 4168, north wall, below lab bench.
20091008-571-Pb-04	Beige paint on metal substrate.		Bldg. 571, rm. 4161, on HVAC supply duct.
20091008-571-Pb-05	Pink paint on gypsum substrate.		Bldg. 571, rm. 3193, east wall, 2' north of east door, 6' up from floor.

**Chain of Custody**

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: for 10/8

Received by Name: BH F15 Company: FASI

Date/Time: 1030  
10/9/09

Digitally signed by Gern Horstin  
 DN: cn=Gern Horstin, o=UCSB, ou=EH&S, email=gern.horstin@dcs.ucsb.edu  
 Reason: I am the author of this document  
 Date: 2009.10.08 11:34:25 -0700



# Metals Analysis of Paints

U.C. Santa Barbara  
Jerome Ripley  
Design and Construction Svcs  
Building 370  
Santa Barbara, CA 93106

**Client ID:** 5151  
**Report Number:** M091495  
**Date Received:** 01/29/08  
**Date Analyzed:** 01/30/08  
**Date Printed:** 01/30/08  
**First Reported:** 01/30/08

**Job ID / Site:** Bio II Stem Cell Project - Bldg. 571, Rms. 3166 & 3174

**FA SI Job ID:** 5151-1448

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
20080128-571-PB-01	30308242	Pb	1500	ppm	60	EPA 3050B/7420
20080128-571-PB-02	30308243	Pb	1400	ppm	70	EPA 3050B/7420
20080128-571-PB-03	30308244	Pb	1300	ppm	70	EPA 3050B/7420

\* 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.

Dave Sandusky, Laboratory Supervisor, Hayward Laboratory

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Project: Bio. II Stem Cell Project

Date: 01/28/2008

W.O.#: 015-80

Sampler Name: G. Horstin

Building Name/Number: Bldg. 571, Rms. 3166 & 3174

Sample Analysis

Turn Around

TTLIC Pb	12 HR	24 HR	Other
Lab Instructions:	Due Date: 01/31/2008		

Sample No.	Material(s)	HID No.	Location
20080128-571-Pb-01	Tan paint over concrete substrate.		Bldg. 571 Rm. 3166, east wall, 4' from south wall, 6' up from floor.
20080128-571-Pb-02	Tan paint over gypsum substrate.		Bldg. 571, Rm. 3166, north wall, 4.5' from west wall, 5' up from floor.
20080128-571-Pb-03	Tan paint over gypsum substrate.		Bldg. 571, Rm. 3174, north wall, 3' from east wall, 4' up from floor.

Chain of Custody

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: 1/28/08

Received by Name: [Signature] Company: FASI

Date/Time: 1/29/08

1030a F



# Metals Analysis of Paints

U.C. Santa Barbara  
Jerome Ripley  
Design and Construction Svcs  
Building 370  
Santa Barbara, CA 93106

**Client ID:** 5151  
**Report Number:** M082849  
**Date Received:** 01/12/07  
**Date Analyzed:** 01/17/07  
**Date Printed:** 01/17/07  
**First Reported:** 01/17/07

**Job ID / Site:** W.O.#120-23 - Bio II 3rd Floor Remodel, Bldg. 571, 3rd Floor **FA SI Job ID:** 5151-1306

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
20070111-571-PB-01	30275675	Pb	5200	ppm	200	EPA 3050B/7420
20070111-571-PB-02	30275676	Pb	1700	ppm	70	EPA 3050B/7420
20070111-571-PB-03	30275677	Pb	2300	ppm	60	EPA 3050B/7420

\* The Units for the Reporting Limit (practical quantitation limit) are the same as the Units for the Final Results.

Dave Sandusky, Laboratory Supervisor, Hayward Laboratory

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University of California, Santa Barbara  
 Environmental Health and Safety - Client # 5151  
 Asbestos and Lead Program - Contact J. Ripley 805-893-7984 jerome.ripley@ehs.ucsb.edu

Bulk Sample Log  
**Pb (Lead)**

**Project:** Bio. II 3<sup>rd</sup> Floor Remodel      **Date:** 01/11/2007      **W.O.#:** 120-23

**Sampler Name:** G. Horstin      **Building Name/Number:** Bldg. 571 3<sup>rd</sup> floor

Sample Analysis	Turn Around		
TTLc Pb	12 HR	24 HR	Other
Lab Instructions:	Due Date: 01/17/2007		

Sample No.	Material(s)	HID No.	Location
20070111-571-Pb-01	Dark brown paint over concrete substrate.		Bldg. 571, rm. 3119, east wall, 4' from north wall, 2' up from floor.
20070111-571-Pb-02	Light blue paint over concrete substrate.		Bldg. 571, rm. 3115, north wall, 2' from east wall, 5' up from floor.
20070111-571-Pb-03	Beige paint over plaster substrate.		Bldg. 571, rm. 3106, west wall, 4' from south wall, 5' up from floor.

**Chain of Custody**

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: for 11/11/07

Received by Name: [Signature] Company: FASI

Date/Time: 1/12/07

Digitally signed by Gene  
 Dho:cn=Dene, o=UCSB  
 email=Dene.Horstin@ehs.  
 ucsc.edu  
 Reason: I am the author of  
 this document  
 Location: santa barbara  
 Date: 2007.01.11 14:55:04  
 +0800

1030



# Metals Analysis of Paints

U.C. Santa Barbara  
Jerome Ripley  
Design and Construction Svcs  
Building 370  
Santa Barbara, CA 93106

**Client ID:** 5151  
**Report Number:** M092284  
**Date Received:** 03/07/08  
**Date Analyzed:** 03/10/08  
**Date Printed:** 03/10/08  
**First Reported:** 03/10/08

**Job ID / Site:** W.O. #015-80, Bio II Stem Cell Project - Bldg. 571, Exhaust Fans on Roof

**FA SI Job ID:** 5151-1448

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
20080305-571-Pb-01	30311272	Pb	2300	ppm	70	EPA 3050B/7420
20080305-571-Pb-02	30311273	Pb	230	ppm	60	EPA 3050B/7420

\* 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.

Dave Sandusky, Laboratory Supervisor, Hayward Laboratory

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Project: Bio. II Stem Cell Project

Date: 03/05/2008

W.O.#: 015-80

Sampler Name: G. Horstin

Building Name/Number: Bldg. 571, Exhaust Fans on Roof

Sample Analysis

Turn Around

TTLc Pb	12 HR	24 HR	Other
Lab Instructions:	Due Date: 03/10/2008		

Sample No.	Material(s)	HID No.	Location
20080305-571-Pb-01	Tan paint on metal substrate.		Bldg. 571, roof, on duct of FE17.
20080305-571-Pb-02	Tan paint over white paint on metal substrate.		Bldg. 571, roof, on FE29.

**Chain of Custody**

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: for 7:00

Received by Name: *[Signature]* Company: FASI

Date/Time: 3/7/08 10:00

Digitally signed by Gene Horstin  
 DN: cn=Gene Horstin, c=US,  
 ou=UCSB, ou=Design and  
 Construction, email=ghorstin@ehs.ucsb.edu  
 Reason: I am the author of this  
 document  
 Location: UC Santa Barbara  
 Date: 2008.03.05 11:02:18 -0800