

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 building 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.
B131047	12/14/2009	Forensic Analytical	PLM EPA Method 600/R-93-116	Skim coat sample in work area.

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
M107661	12/14/2009	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.
M107702	12/14/2009	Forensic Analytical	TTLC Metal Analysis Flame AA	Ceramic tile wall finish in work area.

UCSB's industrial wastewater permit¹ 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 hazardous² 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

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

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

²TITLE 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
20091007-571-PLM-1	10910707						
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20091007-571-PLM-2	10910708						
Layer: White Tape			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (45 %)							
20091007-571-PLM-3	10910709						
Layer: Tan Sheet Flooring			ND				
Layer: Fibrous Backing			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)							
20091007-571-PLM-4	10910710						
Layer: White Semi-Fibrous Material		Chrysotile	5 %	Amosite	10 %		
Layer: White Woven Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (13%)					
Cellulose (10 %)							
20091007-571-PLM-5	10910711						
Layer: White Semi-Fibrous Material		Chrysotile	5 %	Amosite	10 %		
Layer: White Woven Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (13%)					
Cellulose (10 %)							
20091007-571-PLM-6	10910712						
Layer: White Semi-Fibrous Material		Chrysotile	10 %	Amosite	7 %		
Layer: White Woven Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (15%)					
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
20091007-571-PLM-7	10910713						
Layer: White Semi-Fibrous Material		Chrysotile	10 %				
Layer: White Woven Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (9%)					
Cellulose (10 %)							
20091007-571-PLM-8	10910714						
Layer: Off-White Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20091007-571-PLM-9	10910715						
Layer: Dark Brown Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20091007-571-PLM-10	10910716						
Layer: Black Felt			ND				
Layer: White Foam			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (45 %)							
20091007-571-PLM-11	10910717						
Layer: Green Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20091007-571-PLM-12	10910718						
Layer: Grey Cementitious Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20091007-571-PLM-13	10910719						
Layer: White Plaster			ND				
Layer: White Foam			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Fibrous Glass (10 %)							
20091007-571-PLM-14	10910720						
Layer: Tan Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20091007-571-PLM-15	10910721						
Layer: White Tape			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
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
20091007-571-PLM-16	10910722						
Layer: Black Non-Fibrous Material							ND
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20091007-571-PLM-17	10910723						
Layer: White Drywall							ND
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %)							
20091007-571-PLM-18	10910724						
Layer: White Non-Fibrous Material							ND
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20091007-571-PLM-19	10910725						
Layer: Tan Mastic							ND
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20091007-571-PLM-20	10910726						
Layer: Grey Cementitious Material							ND
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20091007-571-PLM-21	10910727						
Layer: Tan Fibrous Material							ND
Layer: White Fibrous Material							ND
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (70 %) Fibrous Glass (25 %)							
20091007-571-PLM-22	10910728						
Layer: Tan Sheet Flooring							ND
Layer: Fibrous Backing				Chrysotile			70 %
Total Composite Values of Fibrous Components:		Asbestos (25%)					
Cellulose (5 %)							
20091007-571-PLM-23	10910729						
Layer: Grey Cementitious Material							ND
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20091007-571-PLM-24	10910730						
Layer: White Plaster							ND
Layer: White Foam							ND
Total Composite Values of Fibrous Components:		Asbestos (ND)					
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
20091007-571-PLM-25	10910731						
Layer: White Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20091007-571-PLM-26	10910732						
Layer: Black Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20091007-571-PLM-27	10910733						
Layer: White Tape			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (55 %)							
20091007-571-PLM-28	10910734						
Layer: Black Non-Fibrous Material			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20091007-571-PLM-29	10910735						
Layer: Tan Tile		Chrysotile	2 %				
Layer: Black Mastic		Chrysotile	5 %				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
20091007-571-PLM-30	10910736						
Layer: White Semi-Fibrous Material		Chrysotile	5 %	Amosite	10 %		
Total Composite Values of Fibrous Components:		Asbestos (15%)					
Cellulose (Trace)							
20091007-571-PLM-31	10910737						
Layer: Debris		Chrysotile	Trace	Amosite	Trace		
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (20 %)							
Comment: Wipe/Microvac/Debris sample: Quantitative data may not be repeatable or represent the entire sample.							
20091007-571-PLM-32	10910738						
Layer: Debris		Chrysotile	Trace	Amosite	Trace		
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (20 %)							
Comment: Wipe/Microvac/Debris sample: Quantitative data may not be repeatable or represent the entire sample.							
20091007-571-PLM-33	10910739						
Layer: Grey Plaster			ND				
Layer: White Foam			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
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
-----------	------------	---------------	------------------	---------------	------------------	---------------	------------------



James Flores, Laboratory Supervisor, Hayward Laboratory

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

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

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 wail.		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
20090928-571-PLM-01	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:		Asbestos (ND)					
Cellulose (40 %)	Fibrous Glass (15 %)						
20090928-571-PLM-02	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:		Asbestos (ND)					
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'.

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.



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
20080305-571-PLM-01	10732831						
Layer: Black Semi-Fibrous Tar		Chrysotile	5 %				
Total Composite Values of Fibrous Components:		Asbestos (5%)					
Cellulose (Trace)							
20080305-571-PLM-02	10732832						
Layer: Black Semi-Fibrous Tar		Chrysotile	5 %				
Layer: Silver Paint		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		Asbestos (5%)					
Cellulose (Trace)							
20080305-571-PLM-03	10732833						
Layer: Black Semi-Fibrous Tar		Chrysotile	5 %				
Layer: Silver Paint			ND				
Layer: Black Tar			ND				
Total Composite Values of Fibrous Components:		Asbestos (3%)					
Cellulose (Trace)							
20080305-571-PLM-04	10732834						
Layer: Grey Non-Fibrous Material			ND				
Layer: Silver Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20080305-571-PLM-05	10732835						
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20080305-571-PLM-06	10732836						
Layer: Grey Putty			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
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
20080305-571-PLM-07	10732837						
Layer: Tan Putty			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20080305-571-PLM-08	10732838						
Layer: Black Non-Fibrous Material			ND				
Layer: Clear Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Fibrous Glass (85 %)							
20080305-571-PLM-09	10732839						
Layer: White Non-Fibrous Material			ND				
Layer: Black Semi-Fibrous Tar		Chrysotile	5 %				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (Trace)							
20080305-571-PLM-10	10732840						
Layer: Black Non-Fibrous Material			ND				
Layer: Clear Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
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'.

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

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
20080128-571-PLM-01	10721459						
Layer: Off-White Joint Compound			ND				
Layer: White Fibrous Material			ND				
Layer: Off-White Joint Compound		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (10 %)							
20080128-571-PLM-02	10721460						
Layer: Tan Tile		Chrysotile	2 %				
Layer: Black Mastic		Chrysotile	10 %				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
20080128-571-PLM-03	10721461						
Layer: Black Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20080128-571-PLM-04	10721462						
Layer: Black Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20080128-571-PLM-05	10721463						
Layer: Black Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20080128-571-PLM-06	10721464						
Layer: Black Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20080128-571-PLM-07	10721465						
Layer: Black Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
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
20080128-571-PLM-08	10721466						
Layer: Tan Tile		Chrysotile	2 %				
Layer: Black Mastic		Chrysotile	7 %				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
20080128-571-PLM-09	10721467						
Layer: White Drywall			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %)	Fibrous Glass (10 %)						
20080128-571-PLM-10	10721468						
Layer: White Drywall			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %)	Fibrous Glass (10 %)						
20080128-571-PLM-11	10721469						
Layer: Brown Tile		Chrysotile	3 %				
Layer: Black Mastic		Chrysotile	7 %				
Total Composite Values of Fibrous Components:		Asbestos (3%)					
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'.

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

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 nd lab bench from east wall.
20080128-571-PLM-04	Black lab bench.		Bldg. 571, Rm. 3166, 2 nd 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
20060113-571-ASB-01	10483991						
Layer: Black Tile		Chrysotile	3 %				
Layer: Black Mastic		Chrysotile	3 %				
Total Composite Values of Fibrous Components:		Asbestos (3%)					
Cellulose (Trace)							
20060113-571-ASB-02	10483992						
Layer: Black Tile		Chrysotile	2 %				
Layer: Black Mastic		Chrysotile	3 %				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
20060113-571-ASB-03	10483993						
Layer: Tan Tile		Chrysotile	2 %				
Layer: Black Mastic		Chrysotile	3 %				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
20060113-571-ASB-04	10483994						
Layer: Tan Tile		Chrysotile	2 %				
Layer: Black Mastic		Chrysotile	3 %				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
20060113-571-ASB-05	10483995						
Layer: Tan Tile		Chrysotile	3 %				
Layer: Black Mastic		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		Asbestos (3%)					
Cellulose (Trace)							

Client Name: U.C. Santa Barbara

Report Number: B080556

Date Printed: 01/18/06

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
-----------	------------	---------------	------------------	---------------	------------------	---------------	------------------



James Flores, Laboratory Supervisor, Hayward Laboratory

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

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.

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 3rd 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 rd 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 rd 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
20090604-571-PLM-01	10873804						
Layer: White Fibrous Material		Chrysotile	70 %				
Total Composite Values of Fibrous Components:		Asbestos (70%)					
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'.

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.



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: B131047
Date Received: 12/10/09
Date Analyzed: 12/14/09
Date Printed: 12/14/09
First Reported: 12/14/09

Job ID/Site: Bio II `Cage Wash` Project, Bldg 571 Rm. 6146

FALI Job ID: 5151-1549

Date(s) Collected: 12/09/2009

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
20091209-571-PLM-01	10931181						
Layer: White Skimcoat				ND			
Layer: Paint				ND			
Total Composite Values of Fibrous Components:		Asbestos (ND)					
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'.

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.



Metals Analysis of Paints

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

Client ID: 5151
Report Number: M107661
Date Received: 12/10/09
Date Analyzed: 12/14/09
Date Printed: 12/14/09
First Reported: 12/14/09

Job ID / Site: Bio II `Cage Wash` Project, Bldg 571, rm 6146, 6126
Date(s) Collected: 12-09-09

FALI Job ID: 5151-1588
Total Samples Submitted: 3
Total Samples Analyzed: 3

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
20091209-571-PB-01	30363077	Pb	1500	ppm	60	EPA 3050B/7420
20091209-571-PB-03	30363079	Pb	< 60	ppm	60	EPA 3050B/7420
20091209-571-PB-04	30363080	Pb	2300	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, CIH, Laboratory Supervisor, Hayward Laboratory

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Any modifications that have been made to referenced test methods are documented in Forensic Analytical's Standard Operating Procedures Manual. Sample results have not been blank corrected. Quality control and sample receipt condition were acceptable unless otherwise noted.

Project: Bio II "Cage Wash" project

Date: 12/09/2009

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

Sampler Name: G. Horstin

Building Name/Number: Bldg. 571, rms. 6146, 6126

Sample Analysis

Turn Around

TTLc Pb	12 HR	24 HR	Other
Lab Instructions:	Due Date: 12/14/2009		

Sample No.	Material(s)	HID No.	Location
20091209-571-Pb-01	White paint on concrete substrate.		Bldg. 571, rm. 6126, north wall, above sink.
20091209-571-Pb-02	Off-white with brown specks 4" ceramic tile.		Bldg. 571, rm. 6126, south wall, over shaft access door.
20091209-571-Pb-03	White paint over white skimcoat on concrete substrate.		Bldg. 571, rm. 6146, west wall, near hot water heater.
20091209-571-Pb-04	Green paint under skimcoat, on concrete substrate.		Bldg. 571, rm. 6146, west wall, near hot water heater.

Chain of Custody

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: for 1400

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

Date/Time: 1030

12/10/09

Digitally signed by G. Horstin
 DN: cn=G. Horstin, o=UCSB, ou=Environmental Health and Safety, email=horstin@dcs.ucsb.edu
 Reason: I am the author of this document
 Date: 2009.12.10 14:00:00 -0800



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

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Any modifications that have been made to referenced test methods are documented in Forensic Analytical's Standard Operating Procedures Manual. Sample results have not been blank corrected. Quality control and sample receipt condition were acceptable unless otherwise noted.

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

TTLc 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: for 1/28/08

Received by Name: [Signature] Company: FASI

Date/Time: 1/29/08

10302 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

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Any modifications that have been made to referenced test methods are documented in Forensic Analytical's Standard Operating Procedures Manual. Sample results have not been blank corrected. Quality control and sample receipt condition were acceptable unless otherwise noted.



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

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Any modifications that have been made to referenced test methods are documented in Forensic Analytical's Standard Operating Procedures Manual. Sample results have not been blank corrected. Quality control and sample receipt condition were acceptable unless otherwise noted.

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 7/10/08

Received by Name: [Signature] Company: FASI

Date/Time: 3/7/08 10:20 AM

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: 2008.03.08 11:02:18 -0800



Metals Analysis of Bulks

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

Client ID: 5151
Report Number: M107702
Date Received: 12/10/09
Date Analyzed: 12/14/09
Date Printed: 12/14/09
First Reported: 12/14/09

Job ID / Site: Bio II `Cage Wash` Project, Bldg 571, rm 6146, 6126
Date(s) Collected: 12-09-09

FALI Job ID: 5151-1588
Total Samples Submitted: 1
Total Samples Analyzed: 1

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
20091209-571-PB-02	30363078	Pb	1400	mg/kg	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, CIH, Laboratory Supervisor, Hayward Laboratory

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Any modifications that have been made to referenced test methods are documented in Forensic Analytical's Standard Operating Procedures Manual. Sample results have not been blank corrected. Quality control and sample receipt condition were acceptable unless otherwise noted.

Project: Bio II "Cage Wash" project

Date: 12/09/2009

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

Sampler Name: G. Horstin

Building Name/Number: Bldg. 571, rms. 6146, 6126

Sample Analysis

Turn Around

TTLc Pb	12 HR	24 HR	Other
Lab Instructions:	Due Date: 12/14/2009		

Sample No.	Material(s)	HID No.	Location
20091209-571-Pb-01	White paint on concrete substrate.		Bldg. 571, rm. 6126, north wall, above sink.
20091209-571-Pb-02	Off-white with brown specks 4" ceramic tile.		Bldg. 571, rm. 6126, south wall, over shaft access door.
20091209-571-Pb-03	White paint over white skimcoat on concrete substrate.		Bldg. 571, rm. 6146, west wall, near hot water heater.
20091209-571-Pb-04	Green paint under skimcoat, on concrete substrate.		Bldg. 571, rm. 6146, west wall, near hot water heater.

Chain of Custody

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: for 1400

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

Date/Time: 1030

12/10/09

Digitally signed by G. Horstin
 DN: cn=G. Horstin, o=UCSB, ou=Environmental Health and Safety, email=horstin@dcs.ucsb.edu
 Reason: I am the author of this document
 Date: 2009.12.10 14:00:00 -0800