

UNIVERSITY OF CALIFORNIA, SANTA BARBARA

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SANTA BARBARA • SANTA CRUZ

OFFICE OF DESIGN & CONSTRUCTION SERVICES and PHYSICAL FACILITIES

CONTRACTING SERVICES
Building 439
Santa Barbara, California 93106-1030
Telephone (805) 893-3356
Fax (805) 893-8592

- SENT VIA:** FAX ON THIS DATE
 HAND DELIVERY ON THIS DATE
 FEDERAL EXPRESS ON THIS DATE
 UNITED PARCEL SERVICE ON THIS DATE

HOLDERS OF PLANS AND SPECIFICATIONS:

Harold Frank Hall Corridor Lighting Replacement, Bldg.556
Project No. FM120187S/211-35
Addendum No. 1

May 8, 2012

Enclosed is **ADDENDUM NO. 1** to the Construction Documents on the above-captioned project.

Bid date is May 15, 2012 at 2:30PM to be held at:

CONTRACTING SERVICES
Facilities Management, Bldg. 439,
Door #E, Reception Counter
University of California, Santa Barbara
Santa Barbara, CA 93106-1030.

Late arrivals shall be disqualified. Please allow time for unforeseen traffic delays, securing a parking permit and potential parking problems.



Greg Moore,
Associate Director, Contracting Services

ADDENDUM NUMBER 1

to the

CONSTRUCTION DOCUMENTS

May 8, 2012

GENERAL

The following changes, additions or deletions shall be made to the following document(s) as Indicated; all other conditions shall remain the same.

I. DRAWINGS & SPECIFICATIONS

Item No.

- 1.1 Replace Text: Replace Item 2.02 B, on page 16120-2 of the specifications with the following: "Conductors: Provide stranded conductors for power and lighting circuits."
- 1.2 Remove Text: Remove Item 3.01 A.2 on Page 16120-3 of the Specifications entirely. "Armored Cable, Type AC: for wiring connections from raceway outlet boxes to lighting fixtures."
- 1.3 Exception: Add the following exception to Item 2.01, on page 16110-2 of the Specifications and on Drawing sheet E1.0, Electrical Note #4: "½" flex is allowed in lengths longer than 36", where required by the Drawings."
- 1.4 Replace Text: The words "Remote ballasts" for fixtures B/100 shall be changed to read "Remote drivers" on Drawing sheets E2.0 and E2.1.
- 1.5 Insertion: Insert the attached Asbestos and Lead Survey with a cover sheet date of May 4, 2012 (36 Pages), into the IFORMATION AVAILABLE TO BIDDERS section of the project Specifications book.

END OF ADDENDUM NO. 1

May 04, 2012

Asbestos and Pb (Lead) Survey UCSB Harold Frank Hall Building 556

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 Building 556 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
B075105	07/19/2005	Forensic Analytical	PLM EPA Method 600/R-93-116	Room 4164 Floor tile and mastic.
B077712	10/06/2005	Forensic Analytical	PLM EPA Method 600/R-93-116	Drywall and Joint Compound in 2 nd floor corridor.
B079777	12/21/2005	Forensic Analytical	PLM EPA Method 600/R-93-116	Typical room floor tile, black mastic, carpet glue.
B081627	02/14/2006	Forensic Analytical	PLM EPA Method 600/R-93-116	Various floor tile, mastics, ceiling tile, gypsum board, joint compound samples.
B081893	02/22/2006	Forensic Analytical	PLM EPA Method 600/R-93-116	Various floor tile, mastics, ceiling tile, gypsum board, joint compound, plaster, caulking, insulation samples.
B083813	04/07/2006	Forensic Analytical	PLM EPA Method 600/R-93-116	HVAC tape and insulation.
B094907	01/31/2007	Forensic Analytical	PLM EPA Method 600/R-93-116	Floor tile samples inside the corridors.

Lead Paint Sampling Results

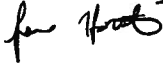
Table 2.0 Pb (Lead) Laboratory Reports lists the reports attached by Report Number, Date, Laboratory, Analysis Type, and Comments.

Table 2.0 - Pb (Lead) Laboratory Reports

Report #	Report Date	Laboratory	Analysis Type	Comments
M075880	02/14/2006	Forensic Analytical	TTLIC Metal Analysis Flame AA	Various paint samples inside and outside Bldg. 556.
M076051	02/21/2006	Forensic Analytical	TTLIC Metal Analysis Flame AA	Various paint samples inside and outside Bldg. 556.
M076136	02/24/2006	Forensic Analytical	TTLIC Metal Analysis Flame AA	Typical paint sample inside rooms.
M076187	02/28/2006	Forensic Analytical	TTLIC Metal Analysis Flame AA	Typical paint sample inside rooms.
M123361	01/10/2012	Forensic Analytical	TTLIC Metal Analysis Flame AA	Typical paint sample inside the corridors.

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,



Digitally signed by Gene Horstin
DN: cn=Gene Horstin, o=DCA, email=Gene
horstin@dcs.ucsb.edu, c=US
Reason: I am the author of this document
Date: 2012.05.04 15:16:12 -0700

Gene Horstin
University of California Santa Barbara
Asbestos and Lead Program Manager
Certified Asbestos Consultant ID#11-4838
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
Environmental Health & Safety
Building 565 Mesa Road
Santa Barbara, CA 93106

Client ID: 5151
Report Number: B075105
Date Received: 07/19/05
Date Analyzed: 07/19/05
Date Printed: 07/19/05
First Reported: 07/19/05

Job ID/Site: 4164 floor tile removal - 556 Engineering I

FASI Job ID: 5151-1123

Date(s) Collected: 07/18/2005

Total Samples Submitted: 3

Total Samples Analyzed: 3

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20050718-556-01	10433225						
Layer: Beige Tile			ND				
Layer: Yellow Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20050718-556-02	10433226						
Layer: Beige Tile			ND				
Layer: Yellow Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20050718-556-03	10433227						
Layer: Beige Tile			ND				
Layer: Yellow Mastic			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.

University of California, Santa Barbara -1123 Bulk Sample Log
 Environmental Health and Safety - Client # 5151 Asbestos
 Asbestos and Lead Program - Contact J. Ripley 805-893-7984 jerome.ripley@ehs.ucsb.edu

Project: 4164 floor tile removal Date: 7/18/05 W.O.#: FM

Sampler Name: Eric C. Ruse Building Name/Number: 556 Engineering I
 Sample Analysis Turn Around

PLM	12 HR	24 HR	Other
Lab Instructions: SUPER RUSH!	Due Date: 7/19/05		

Sample No.	Material(s)	HID No.	Location
20050718-556-03	12x12 floor tile with beige streaks and yellow mastic		4164 A mid room
20050718-556-02	12x12 floor tile with beige streaks and yellow mastic		4164 A north room
20050718-556-03	12x12 floor tile with beige streaks and yellow mastic		4164 A South room

[Handwritten signature and stamp]
 Eric C. Ruse

Digitally signed by Eric C. Ruse
 DN: cn=Eric C. Ruse, o=US, ou=University of California Santa Barbara, ou=Environmental Health and Safety, email=eric.ruse@ehs.ucsb.edu
 Date: 2005.07.18 12:23:07 -0700

Chain of Custody

Relinquished by Name: Eric C. Ruse Company: UCSB Date/Time: _____
 Received by Name: *[Signature]* Company: FASI Date/Time: 7/19/05 *[Signature]*



Bulk Asbestos Analysis

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

U.C. Santa Barbara
J. Ripley
Environmental Health & Safety
Building 565 Mesa Road
Santa Barbara, CA 93106

Client ID: 5151
Report Number: B077712
Date Received: 10/05/05
Date Analyzed: 10/06/05
Date Printed: 10/06/05
First Reported: 10/06/05

Job ID/Site: W.O.# 120-10, ENG 556 Second Floor Corridor Ceiling Damage

FASI Job ID: 5151-1171

Date(s) Collected: 10/04/2005

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
20051004-556-ASB-01	50287404						
Layer: Off-White Skimcoat/Joint Compound		Chrysotile	3 %				
Layer: Drywall Tape			ND				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (80 %)							

Steven Takahashi, Laboratory Supervisor, Rancho Dominguez Laboratory

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

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5151-1171

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
Asbestos

Project: Eng. 556 Second Floor Corridor Ceiling Damage Date: 10/4/2005 W.O.#: 120-10

Sampler Name: J. Ripley Building Name/Number: Eng. 1

Sample Analysis	Turn Around		
	12 HR	24 HR	Other
PLM			
Lab Instructions:	Due Date: 10/6/5		

Sample No.	Material(s)	HID No.	Location
20051004-556-ASB-01	Drywall tape compound		Damaged corridor ceiling by room 2170

Chain of Custody

Relinquished by Name: J. Ripley Company: UCSB

Date/Time: 10/4/05

Received by Name: A. Salto Company: FASI

Date/Time: 10/05

10:30
PE



Bulk Asbestos Analysis

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

U.C. Santa Barbara
Project Manager
Facilities Maintenance
Building 370 Mesa Road
Santa Barbara, CA 93106

Client ID: 5151
Report Number: B079777
Date Received: 12/16/05
Date Analyzed: 12/21/05
Date Printed: 12/21/05
First Reported: 12/21/05

Job ID/Site: Eng I Floor Tile Removal , WO#120-10- Bldg 556 Rms 2114 & 2116

FASI Job ID: 5151-1191

Date(s) Collected: 12/15/2005

Total Samples Submitted: 4

Total Samples Analyzed: 4

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20051215-556-ASB-01	10476742						
Layer: Blue Carpet			ND				
Layer: Yellow Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)		Synthetic (45 %)					
20051215-556-ASB-02	10476743						
Layer: Yellow/Black Mastic			ND				
Layer: Grey Tile		Chrysotile	3 %				
Layer: Black Mastic		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		Asbestos (3%)					
Cellulose (Trace)							
20051215-556-ASB-03	10476744						
Layer: Yellow/Black Mastic			ND				
Layer: Grey Tile		Chrysotile	3 %				
Layer: Black Mastic		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		Asbestos (3%)					
Cellulose (Trace)							
20051215-556-ASB-04	10476745						
Layer: Yellow/Black Mastic			ND				
Layer: Grey Tile		Chrysotile	3 %				
Layer: Black Mastic		Chrysotile	2 %				
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'.

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3777 Depot Road, Suite 409, Hayward, California 94545-2761 Telephone: 510/887-8828 800/827-FASI Fax: 510/887-4218

Project: Eng. 1 floor tile removal Date: 12/15/05 W.O.#: 170-10

Sampler Name: G. Horstin Building Name/Number: Bldg. 556 Rms. 2114 & 2116

Sample Analysis	Turn Around		
PLM	12 HR	24 HR	Other
Lab Instructions	Due Date: 12/21/2005		

Sample No	Material(s)	HID No.	Location
20051215-556-ASB-01	Tan carpet mastic, carpet		Bldg. 556 rm. 2114, northwest corner
20051215-556-ASB-02	Floor tile, black mastic, tan mastic		Bldg. 556 rm. 2116, Northeast corner
20051215-556-ASB-03	Floor tile, black mastic, tan mastic		Bldg. 556 rm. 2116, 6" from west wall, 6" from south wall
20051215-556-ASB-04	Floor tile, tan mastic, black mastic, carpet		Bldg. 556 rm. 2116, 10" from west wall, 13" from north wall

Chain of Custody

Relinquished by Name: G. Horstin Company: UCSB Date/Time: for test

Received by Name: [Signature] Company: EASI Date/Time: 12/15/05 10:17 AM

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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: B081627
Date Received: 02/13/06
Date Analyzed: 02/14/06
Date Printed: 02/14/06
First Reported: 02/14/06

Job ID/Site: Eng 1 remodel - Bldg. 556, Eng. 1 - WO# 120-10

FASI Job ID: 5151-1207

Date(s) Collected: 02/08/2006

Total Samples Submitted: 32

Total Samples Analyzed: 32

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20060208-556-PLM-01	10492714						
Layer: White Tile		Chrysotile	2 %				
Layer: Black Mastic		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
20060208-556-PLM-02	10492715						
Layer: Tan Mastic			ND				
Layer: White Tile		Chrysotile	2 %				
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
20060208-556-PLM-03	10492716						
Layer: Off-White Tile		Chrysotile	2 %				
Layer: Black Mastic		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
20060208-556-PLM-04	10492717						
Layer: Tan Mastic			ND				
Layer: Off-White Tile		Chrysotile	2 %				
Layer: Black Mastic		Chrysotile	3 %				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
20060208-556-PLM-05	10492718						
Layer: Tan Tile			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060208-556-PLM-06	10492719						
Layer: White Tile		Chrysotile	3 %				
Layer: Black Mastic		Chrysotile	3 %				
Total Composite Values of Fibrous Components:		Asbestos (3%)					
Cellulose (Trace)							

Client Name: U.C. Santa Barbara

Report Number: B081627

Date Printed: 02/14/06

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20060208-556-PLM-07	10492720						
Layer: White Drywall			ND				
Layer: Off-White Skimcoat/Joint Compound			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (10 %)							
20060208-556-PLM-08	10492721						
Layer: Brown Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060208-556-PLM-09	10492722						
Layer: Brown Sheet Flooring			ND				
Layer: Fibrous Backing			ND				
Layer: Black Mastic		Chrysotile	3 %				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)							
20060208-556-PLM-10	10492723						
Layer: Grey Tile		Chrysotile	2 %				
Layer: Black Mastic		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
20060208-556-PLM-11	10492724						
Layer: Off-White Tile			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060208-556-PLM-12	10492725						
Layer: Tan Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (95 %)							
20060208-556-PLM-13	10492726						
Layer: White Drywall			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %)							
20060208-556-PLM-14	10492727						
Layer: Brown Plaster			ND				
Layer: White Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Client Name: U.C. Santa Barbara

Report Number: B081627

Date Printed: 02/14/06

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20060208-556-PLM-15	10492728						
Layer: White Drywall			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %)							
20060208-556-PLM-16	10492729						
Layer: Brown Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060208-556-PLM-17	10492730						
Layer: Brown Plaster			ND				
Layer: White Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060208-556-PLM-18	10492731						
Layer: Tan Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (95 %)							
20060208-556-PLM-19	10492732						
Layer: Brown Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060208-556-PLM-20	10492733						
Layer: Brown Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Wollastonite (5 %)							
20060208-556-PLM-21	10492734						
Layer: Beige Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060208-556-PLM-22	10492735						
Layer: Off-White Mastic			ND				
Layer: Paint			ND				
Layer: Brown Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Client Name: U.C. Santa Barbara

Report Number: B081627

Date Printed: 02/14/06

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20060208-556-PLM-23	10492736						
Layer: Brown Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060208-556-PLM-24	10492737						
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060208-556-PLM-25	10492738						
Layer: Tan Tile			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060208-556-PLM-26	10492739						
Layer: White Drywall			ND				
Layer: Off-White Skimcoat/Joint Compound		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (20 %) Fibrous Glass (10 %)							
20060208-556-PLM-27	10492740						
Layer: White Drywall			ND				
Layer: Off-White Skimcoat/Joint Compound			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %)							
20060208-556-PLM-28	10492741						
Layer: Beige Plaster			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060208-556-PLM-29	10492742						
Layer: Tan Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (95 %)							
20060208-556-PLM-30	10492743						
Layer: Yellow Mastic			ND				
Layer: Off-White Tile			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					

Client Name: U.C. Santa Barbara

Report Number: B081627

Date Printed: 02/14/06

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20060208-556-PLM-31	10492744						
Layer: Off-White Mastic			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060208-556-PLM-32	10492745						
Layer: Brown Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)		Wollastonite (5 %)					



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 Bulk Sample Log
 Environmental Health and Safety - Client # 5151 - 1207 Asbestos
 Asbestos and Lead Program - Contact J. Ripley 805-893-7984 jerome.ripley@dcs.ucsb.edu Asbestos and Lead Program

Project: Eng. J. remodel Date: 02/08/06 W.O.#: 120-10

Sampler Name: G. Horstin Building Name/Number: Bldg. 556 Eng. J

Sample Analysis	Turn Around		
	12 HR	24 HR	Other
PLM			
Lab Instructions:	Due Date: 02-15-06 02-14-06		

Sample No.	Material(s)	IED No.	Location
20060208-556-PLM-01	White 12" floor tile, black mastic	2001 2501	Bldg. 556, rm. 5120A, 3' from east wall, 20' from south wall
20060208-556-PLM-02	White 12" floor tile, tan carpet mastic, black mastic	2001 2501 2502	Bldg. 556, rm. 5120A, 2' from north wall, 10' from east wall
20060208-556-PLM-03	Cream colored 12" floor tile, black mastic	2001 2501	Bldg. 556, rm. 5152, 2' from south wall, 8" from east wall
20060208-556-PLM-04	Cream colored 12" floor tile, black mastic, tan carpet mastic	2001 2501 2502	Bldg. 556, rm. 5152, 6' from south wall, 10' from west wall
20060208-556-PLM-05	Tan 12" floor tile, tan mastic (new tile)	2002 2503	Bldg. 556, rm. 5152, in entryway, 9' from (north) door, 6" from west wall
20060208-556-PLM-06	White 12" floor tile, black mastic	2001 2501	Bldg. 556, rm. 5112A, 3.5' from west wall, 1' from south wall
20060208-556-PLM-07	White paint, paper, gyp. Board, skim coat, joint compound	2001 2602 2603	Bldg. 556, rm. 5112A, west wall, 8' from south wall, 3' up from floor
20060208-556-PLM-08	Base cove mastic	2604	Bldg. 556, rm. 5112A, against west wall, 7' from south wall
20060208-556-PLM-09	Black mastic, brown vinyl sheet flooring	2201 2504	Bldg. 556, rm. 5110A, 10' from west wall, 1' from north wall
20060208-556-PLM-10	Grey 12" floor tile, black mastic	2001	Bldg. 556, rm. 2152A, 2' from south wall, 1' from west wall
20060208-556-PLM-11	Cream colored 12" floor tile, tan mastic	2002 2503	Bldg. 556, rm. 2158, 6" from south wall, 1' from east wall
20060208-556-PLM-12	White paint, 12" ceiling tile w/worm holes	1701	Bldg. 556, rm. 5112A, ceiling, 2' from south wall, 5.5' from east wall
20060208-556-PLM-13	Gypsum board ceiling	1702	Bldg. 556, rm. 5112A, ceiling, 2' from south wall, 5.5' from east wall
20060208-556-PLM-14	White paint, plaster	1901	Bldg. 556, rm. 5112B, north wall, 8' from west wall, 5' up from floor
20060208-556-PLM-15	White paint, paper, gypsum board	2101	Bldg. 556, rm. 5110B, east wall, 5.5' from north wall, 3' up from floor

20060208-556-PLM-16	Brown mastic "hockey pucks"	2601	Bldg. 556, rm. 5110, on ceiling, 1' from south wall, 10.5' from west wall
20060208-556-PLM-17	Plaster, white paint	1901	Bldg. 556, rm. 5110, north wall, 7' from west wall, 2' up from floor
20060208-556-PLM-18	White paint, 12" ceiling tile	1701	Bldg. 556, rm. 4118A, ceiling, 1' from north wall, 7' from west wall.
20060208-556-PLM-19	Brown mastic "hockey pucks," paper	2601	Bldg. 556, rm. 4118A, ceiling, 1' from north wall, 7' from west wall.
20060208-556-PLM-20	Brown mastic "hockey pucks"	2601	Bldg. 556, rm. 4118A, ceiling, 1' from north wall, 7' from west wall.
20060208-556-PLM-21	White paint, plaster	1901	Bldg. 556, rm. 4118A, against north wall, 8' from west wall, 3' up from floor.
20060208-556-PLM-22	White base cove mastic, white paint, black base cove mastic	2605 2606	Bldg. 556, rm. 4118A, against south wall, 8' from west wall.
20060208-556-PLM-23	Black base cove mastic	2606	Bldg. 556, rm. 4118A, against south wall, 8' from west wall.
20060208-556-PLM-24	Tan ceiling tile "hockey pucks"	2607	Bldg. 556, rm. 4118B, ceiling, 3' from west wall, 2' from south wall.
20060208-556-PLM-25	Tan 12" floor tile w/ cream streaks, tan mastic	2002 2503	Bldg. 556, rm. 5120, southwest corner.
20060208-556-PLM-26	Joint compound, gypsum board, tape?	2101 2603	Bldg. 556, 5 th floor hall, on ceiling, in front of west elevator.
20060208-556-PLM-27	Gypsum board, tape, joint compound	2101 2603	Bldg. 556, 2 nd floor hall, on ceiling, 8' from east wall, 2.5' from north wall.
20060208-556-PLM-28	Plaster	1901	Bldg. 556, 2 nd floor hall, on north wall, 1' above ceiling, 8' from east wall.
20060208-556-PLM-29	White paint, 12" ceiling tile	1701	Bldg. 556, 2 nd floor hall, 1' from north wall, 8' from east wall.
20060208-556-PLM-30	White floor tile under carpet, tan carpet mastic, tan tile mastic	2001 2502 2503	Bldg. 556, rm. 5152, 6" from north wall, 1' from west wall.
20060208-556-PLM-31	White paint, white base cove mastic	2605	Bldg. 556, rm. 4161, against west wall, 7' from south wall.
20060208-556-PLM-32	Dark brown base cove mastic	2601	Bldg. 556, rm. 4164, against west wall, 7' from south wall.

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

Bulk Sample Log
 Asbestos

Chain of Custody

Relinquished by Name: G. Hurstin Company: UCSB

Date/Time: for test

Received by Name: [Signature] Company: FASI

Date/Time: 2/13/2001 10:00 AM

Copy this form before
 or after the sample is
 analyzed and use
 for all subsequent
 analyses of the
 sample.



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: B081893
Date Received: 02/21/06
Date Analyzed: 02/22/06
Date Printed: 02/22/06
First Reported: 02/22/06

Job ID/Site: Eng 1 asbestos survey - Bldg. 556 Eng. 1 - WO# 120-10

FASI Job ID: 5151-1207

Date(s) Collected: 02/16/2006

Total Samples Submitted: 18

Total Samples Analyzed: 18

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20060216-556-PLM-01	10494938						
Layer: Beige Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (35 %) Fibrous Glass (45 %)							
20060216-556-PLM-02	10494939						
Layer: White Drywall			ND				
Layer: White Skimcoat/Joint Compound			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (10 %)							
20060216-556-PLM-03	10494940						
Layer: Yellow Mastic			ND				
Layer: White Tile			ND				
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060216-556-PLM-04	10494941						
Layer: Off-White Tile		Chrysotile	3 %				
Layer: Black Mastic		Chrysotile	5 %				
Total Composite Values of Fibrous Components:		Asbestos (3%)					
Cellulose (Trace)							
20060216-556-PLM-05	10494942						
Layer: Yellow Mastic			ND				
Layer: Off-White Tile		Chrysotile	3 %				
Layer: Black Mastic		Chrysotile	5 %				
Total Composite Values of Fibrous Components:		Asbestos (3%)					
Cellulose (Trace)							
20060216-556-PLM-06	10494943						
Layer: Brown Sheet Flooring			ND				
Layer: Fibrous Backing			ND				
Layer: Yellow Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (5 %) Synthetic (10 %)							

Client Name: U.C. Santa Barbara

Report Number: B081893

Date Printed: 02/22/06

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20060216-556-PLM-07	10494944						
Layer: Black Mastic		Chrysotile	5 %				
Total Composite Values of Fibrous Components:		Asbestos (5%)					
Cellulose (Trace) Synthetic (Trace)							
20060216-556-PLM-08	10494945						
Layer: Off-White Plaster			ND				
Layer: White Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060216-556-PLM-09	10494946						
Layer: Yellow Fibrous Material			ND				
Layer: Tan Fibrous Material			ND				
Layer: Foil			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (5 %) Fibrous Glass (90 %)							
20060216-556-PLM-10	10494947						
Layer: White Drywall			ND				
Layer: White Skimcoat/Joint Compound			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (10 %)							
20060216-556-PLM-11	10494948						
Layer: Off-White Plaster			ND				
Layer: White Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060216-556-PLM-12	10494949						
Layer: White Drywall			ND				
Layer: White Skimcoat/Joint Compound			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (10 %)							
20060216-556-PLM-13	10494950						
Layer: Off-White Plaster			ND				
Layer: White Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Client Name: U.C. Santa Barbara

Report Number: B081893

Date Printed: 02/22/06

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20060216-556-PLM-14	10494951						
Layer: Off-White Plaster			ND				
Layer: White Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060216-556-PLM-15	10494952						
Layer: White Drywall			ND				
Layer: Off-White Skimcoat/Joint Compound		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (20 %) Fibrous Glass (10 %)							
20060216-556-PLM-16	10494953						
Layer: Off-White Plaster			ND				
Layer: White Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060216-556-PLM-17	10494954						
Layer: Grey Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20060216-556-PLM-18	10494955						
Layer: Yellow Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Fibrous Glass (99 %)							



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 Bulk Sample Log
 Environmental Health and Safety - Client # 5151 Asbestos
 Asbestos and Lead Program Contact J. Ripley 805-893-7984 jerome.ripley@dca.ucsb.edu

Project: Eng. 1 asbestos survey Date: 02/16/2006 W.O.#: 120-10

Sampler Name: G. Horstin Building Name/Number: Bldg. 556 Eng. 1

Sample Analysis		Turn Around		
PLM		12 HR	24 HR	Other
Lab Instructions:		Due Date:		

Sample No.	Material(s)	HID No.	Location
20060216-556-PLM-01	Ceiling Tile, 2'x4', white paint, scattered holes	1801	Bldg. 556, rm. 4152, ceiling, 6" from south wall, 6" from east wall.
20060216-556-PLM-02	Gyp. Board, joint compound	2101 2603	Bldg. 556, rm. 4160, west wall, above ceiling, 2' from south wall.
20060216-556-PLM-03	Floor tile, tan carpet mastic, black mastic	2001 2502 2501	Bldg. 556, rm. 1132, on floor, 3' from north wall to 1152, 6' from east wall.
20060216-556-PLM-04	Floor tile, tan carpet mastic, black mastic	2001 2502 2501	Bldg. 556, rm. 1132, on floor, 4' from south wall, 15' from east wall.
20060216-556-PLM-05	Floor tile, tan carpet mastic, black mastic	2001 2502 2501	Bldg. 556, rm. 1152, on floor, 3' from south wall, 1' from west (ultra) wall.
20060216-556-PLM-06	Brown vinyl sheeting, fibrous backing	2201	Bldg. 556, rm. 5110A, on floor, 2' from south wall, 9' from east wall.
20060216-556-PLM-07	Black mastic	2504	Bldg. 556, rm. 5110A, on floor, 2' from south wall, 9' from east wall.
20060216-556-PLM-08	White paint, white plaster (finish coat), brown plaster (scratch coat)	1901 1902	Bldg. 556, rm. 5110A, south wall, 8' from east wall, 2.5' up from floor.
20060216-556-PLM-09	Yellow pipe insulation (fiber glass), paper, foil	1601	Bldg. 556, rm. 4166, north pipe, east side of pipe, 2" up from floor.
20060216-556-PLM-10	Gypsum board, paper, joint compound	2101 2603	Bldg. 556, rm. 4170, ceiling, 1' from west wall, 3' from door.
20060216-556-PLM-11	White plaster (finish coat), brown plaster (scratch coat)	1901 1902	Bldg. 556, rm. 4166, east wall, 1' from door, 2' up from floor.
20060216-556-PLM-12	Gypsum board, white paint, paper	2101	Bldg. 556, rm. 4162A, south wall, 10' from west wall, 5' up from floor.
20060216-556-PLM-13	White plaster (finish coat), brown plaster (scratch coat), white paint	1901 1902	Bldg. 556, rm. 4168B, south wall, 4' from west wall, 4' up from floor.
20060216-556-PLM-14	White plaster (finish coat), brown plaster (scratch coat), white paint	1901 1902	Bldg. 556, rm. 3168, ceiling, north west corner.
20060216-556-PLM-15	Gypsum board, joint compound, paper	2608 1702	Bldg. 556, 2 nd floor hall, ceiling, 2' from north wall, 8' from east wall.
20060216-556-PLM-16	White plaster (finish coat), brown plaster (scratch coat)	1901 1902	Bldg. 556, rm. 2152A, south wall, 10' from east wall, 4' up from floor.

University of California, Santa Barbara
Environmental Health and Safety - Client # 5151

Bulk Sample Log
Asbestos

Asbestos and Lead Program - Contact J. Ripley 805-893-7984 jerome.ripley@des.ucsb.edu

20060216-556-PLM-17	Brown caulking	2609	Bldg. 556, outside, north side, on west corner, 3.5' up from ground.
20060216-556-PLM-18	Yellow HVAC insulation	1602	Bldg. 556, 5 th floor hall, above ceiling, in front of east elevator.

Chain of Custody

Relinquished by Name: G. Horstin Company: UCSB Date/Time: for [unclear]

Received by Name: [Signature] Company: FAST Date/Time: 2/21/00 @ 9 AM



Bulk Asbestos Analysis

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

U.C. Santa Barbara
Project Manager
Environmental Health & Safety
Building 565 Mesa Road
Santa Barbara, CA 93106

Client ID: 5151
Report Number: B083813
Date Received: 04/06/06
Date Analyzed: 04/07/06
Date Printed: 04/07/06
First Reported: 04/07/06

Job ID/Site: Engineering II 4164 - Remodel

FASI Job ID: 5151-1147

Date(s) Collected: 04/04/2006

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
20060404-556-PLM-01	10509245						
Layer: Off-White Fibrous Material			ND				
Layer: Off-White Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (75 %)							
20060404-556-PLM-02	10509246						
Layer: Off-White Semi-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (10 %) Fibrous Glass (35 %)							

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: Engineering remodel Date: 04/04/2006 W.O.#: 13010

Sampler Name: G. Forstin Building Name/Number: Bldg. 556 rm. 4164

Sample Analysis	Turn Around		
PLM	12 HR	24 HR	Other
Lab Instructions:	Due Date: <u>04/07/2006</u>		

Sample No	Material(s)	HID No.	Location
20060404-556-PLM-01	White air duct tape		Bldg. 556, rm 4164, above ceiling, on abandoned fume hood air duct.
20060404-556-PLM-02	White pipe insulation		Bldg. 556, rm 4164, pipe elbow inside southeast corner of wall.

Chain of Custody

Relinquished by Name: G. Forstin Company: UCSB Date/Time: 4/4/06
 Received by Name: [Signature] Company: FASL Date/Time: 4/6/06 15:00



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: B094907
Date Received: 01/26/07
Date Analyzed: 01/31/07
Date Printed: 01/31/07
First Reported: 01/31/07

Job ID/Site: Eng I Hallway retile - Bldg. 556 hallways, floors 1-5 - WO# 120-23

FASI Job ID: 5151-1324

Date(s) Collected: 01/25/2007

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
20070125-556-PLM-01	10604057						
Layer: Tan Tile			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20070125-556-PLM-02	10604058						
Layer: White Tile			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20070125-556-PLM-03	10604059						
Layer: Blue Tile			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20070125-556-PLM-04	10604060						
Layer: White Tile			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20070125-556-PLM-05	10604061						
Layer: Blue Tile			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20070125-556-PLM-06	10604062						
Layer: White Tile			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Client Name: U.C. Santa Barbara

Report Number: B094907

Date Printed: 01/31/07

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
20070125-556-PLM-07	10604063						
Layer: Blue Tile			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20070125-556-PLM-08	10604064						
Layer: White Tile			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20070125-556-PLM-09	10604065						
Layer: White Tile			ND				
Layer: Tan Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
20070125-556-PLM-10	10604066						
Layer: White Tile			ND				
Layer: Tan Mastic			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'.

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Project: Eng. I Hallway retile

Date: 01/25/2007

W.O.#: 120-23

Sampler Name: G. Horstin

Building Name/Number: Bldg. 556 hallways, floors 1-5

Sample Analysis

Turn Around

PLM	12 HR	24 HR	Other
Lab Instructions:	Due Date: 01/31/2007		

Sample No.	Material(s)	HID No.	Location
20070125-556-PLM-01	Tan 12" floor tile, tan mastic.		Bldg. 556, 1 st floor hall, floor, 4.5' from south door, 6' from west door.
20070125-556-PLM-02	White 12" floor tile, tan mastic.		Bldg. 556, 1 st floor hall, floor, 1" from north wall, 2" from east wall.
20070125-556-PLM-03	Blue 12" floor tile, tan mastic.		Bldg. 556, 1 st floor hall, floor, 6' from east wall, 2' from north wall.
20070125-556-PLM-04	White 12" floor tile, tan mastic.		Bldg. 556, 2 nd floor hall, floor, 6' from east wall, 2" from north wall.
20070125-556-PLM-05	Blue 12" floor tile, tan mastic.		Bldg. 556, 3 rd floor hall, floor, 7' from east wall, 2' from north wall.
20070125-556-PLM-06	White 12" floor tile, tan mastic.		Bldg. 556, 3 rd floor hall, floor, 3' from north wall, 37' from east wall.
20070125-556-PLM-07	Blue 12" floor tile, tan mastic.		Bldg. 556, 4 th floor hall, floor, 7.5' from east wall, 2' from north wall.
20070125-556-PLM-08	White 12" floor tile, tan mastic.		Bldg. 556, 4 th floor hall, floor, 1' from north wall, 142' from door to rm. 4102.
20070125-556-PLM-09	White 12" floor tile, tan mastic.		Bldg. 556, 5 th floor hall, floor, 2" from north wall, 13' from west wall.
20070125-556-PLM-10	White 12" floor tile, tan mastic.		Bldg. 556, 5 th floor hall, floor, 1' from north wall, 4.5' from east wall.

Chain of Custody

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: for 1405

Received by Name: [Signature] Company: FASI

Date/Time: 1/26/07
10:30

Digitally signed by Gernie
 DN: cn=Gernie, o=UCSB, ou=EH&S, email=gernie@ehs.ucsb.edu
 Reason: I am the signer of this document
 Location: Santa Barbara
 Date: 2007.01.26 09:08:51 -0800



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: M075880
Date Received: 02/13/06
Date Analyzed: 02/14/06
Date Printed: 02/14/06
First Reported: 02/14/06

Job ID / Site: WO# 120-10 - Eng. I Remodel, Bldg. 556

FASI Job ID: 5151-1207

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit	Method Reference
20060208-556-PB-01	30247263	Pb	< 200	ppm	200	EPA 3050B/7420
20060208-556-PB-02	30247264	Pb	2500	ppm	100	EPA 3050B/7420
20060208-556-PB-03	30247265	Pb	< 200	ppm	200	EPA 3050B/7420

Comment: Insufficient sample size for repeatable analysis.

20060208-556-PB-04	30247266	Pb	3200	ppm	80	EPA 3050B/7420
20060208-556-PB-05	30247267	Pb	12000	ppm	400	EPA 3050B/7420
20060208-556-PB-06	30247268	Pb	80	ppm	80	EPA 3050B/7420
20060208-556-PB-07	30247269	Pb	< 70	ppm	70	EPA 3050B/7420

Dave Sandusky, Laboratory Supervisor, Hayward Laboratory

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Project: Eng. I remodel Date: 02/08/2006 W.O.#: 120-10

Sampler Name: G. Horstin Building Name/Number: Eng. I Bldg. 556

Sample Analysis	Turn Around		
TTL/C Pb	12 HR	24 HR	Other
Lab Instructions:	Due Date: 02/15/2006 02-14-06		

Sample No.	Material(s)	ID No.	Location
20060208-556-Pb-01	White paint, paper		Bldg. 556, rm. 5112A, against west wall, 1' from south wall, 2' up from floor.
20060208-556-Pb-02	White paint		Bldg. 556, main hallway, against north wall, 7' from east wall, 2' up from floor.
20060208-556-Pb-03	White paint, paper		Bldg. 556, rm. 5110B, east wall, 5.5' from north wall, 3' up from floor.
20060208-556-Pb-04	White paint		Bldg. 556, rm. 4118A, against north wall, 8' from east wall, 3' up from floor.
20060208-556-Pb-05	White paint		Bldg. 556, rm. 5120, against west wall, 14' from north wall, 2' up from floor.
20060208-556-Pb-06	Brown paint, white paint		Bldg. 556, outside of bldg., on north side of bldg., west side of first column west of door 1100, 5.5' up from ground.
20060208-556-Pb-07	White and brown paint		Bldg. 556, outside on north side of bldg., east of door to 1100, on west side of eave.

Chain of Custody

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: 2/8/06

Received by Name: [Signature] Company: F&SI

Date/Time: 2/13/06

UCSB Environmental Health and Safety
 1100 State Street
 Santa Barbara, CA 93106
 Phone: 805-893-7984
 Fax: 805-893-7985
 Email: eh@safety.ucsb.edu



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: M076051
Date Received: 02/21/06
Date Analyzed: 02/21/06
Date Printed: 02/21/06
First Reported: 02/21/06

Job ID / Site: WO# 120-10 - Eng. I Pb Survey, Bldg. 556

FASI Job ID: 5151-1207

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit	Method Reference
20060216-556-PB-01	30248009	Pb	< 100	ppm	100	EPA 3050B/7420
20060216-556-PB-02	30248010	Pb	3300	ppm	200	EPA 3050B/7420

Comment: Insufficient sample size for repeatable analysis.

20060216-556-PB-03	30248011	Pb	11000	ppm	600	EPA 3050B/7420
20060216-556-PB-04	30248012	Pb	2000	ppm	200	EPA 3050B/7420

Comment: Insufficient sample size for repeatable analysis.

20060216-556-PB-05	30248013	Pb	2500	ppm	200	EPA 3050B/7420
20060216-556-PB-06	30248014	Pb	1200	ppm	200	EPA 3050B/7420

Comment: Insufficient sample size for repeatable analysis.

20060216-556-PB-07	30248015	Pb	2400	ppm	200	EPA 3050B/7420
20060216-556-PB-08	30248016	Pb	< 80	ppm	80	EPA 3050B/7420
20060216-556-PB-09	30248017	Pb	< 80	ppm	80	EPA 3050B/7420

Dave Sandusky, Laboratory Supervisor, Hayward Laboratory

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University of California, Santa Barbara
 Environmental Health and Safety - Client # 5151 - 1207
 Asbestos and Lead Program - Contact J. Ripley 805-893-7984 jerome.ripley@dcs.ucsb.edu

Bulk Sample Log
Pb (Lead)

Project: Eng. I Pb survey Date: 02/16/2006 W.O.#: 120-10

Sampler Name: G. Horstin Building Name/Number: Bldg. 556, Eng. I

Sample Analysis		Turn Around	
TTLc Pb	12 HR	24 HR	Other
Lab Instructions:	Due Date: <u>02/21/2006</u>		

Sample No.	Material(s)	HID No.	Location
20060216-556-Pb-01	White paint, on plaster substrate		Bldg. 556, rm. 2158, north wall, 15' from east wall, 2' up from floor.
20060216-556-Pb-02	White paint, on plaster substrate		Bldg. 556, rm. 5110A south wall, 8' from east wall, 3' up from floor.
20060216-556-Pb-03	White paint over brown paint, on concrete substrate (shear wall)		Bldg. 556, rm. 5120A, east wall, 14' from north wall, 2' up from floor.
20060216-556-Pb-04	White paint over tan paint, on plaster substrate		Bldg. 556, east stairwell, 5 th floor, south wall, 9' from east wall, 3' up from floor.
20060216-556-Pb-05	White paint over tan paint, on concrete substrate		Bldg. 556, east stairwell, 4 th floor, north wall, 5' from west wall, 2' up from floor.
20060216-556-Pb-06	White paint over brown paint, on plaster substrate		Bldg. 556, east stairwell, 3 rd floor, north wall, over ascending stairs, above 1 st step, 1.5' up.
20060216-556-Pb-07	White paint on concrete substrate		Bldg. 556, rm. 2152A, south wall, 10' from east wall, 3' up from floor.
20060216-556-Pb-08	Brown paint over white paint, on concrete substrate		Bldg. 556, outside, north side of bldg., outside central stair, on west wall, 2.5' up from ground.
20060216-556-Pb-09	Brown paint over white paint, on concrete substrate		Bldg. 556, outside, north side, on east wall, on west end.

Chain of Custody

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: for 11:00

Received by Name: [Signature] Company: F&S

Date/Time: 2/16/06 9:30

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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: M076136
Date Received: 02/23/06
Date Analyzed: 02/24/06
Date Printed: 02/24/06
First Reported: 02/24/06

Job ID / Site: WO# 120-10 - Eng. I Renovation, Bldg. 556 Rm. 4166

FASI Job ID: 5151-1207

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
20060222-556-PB-01	30248459	Pb	1900	ppm	60	EPA 3050B/7420

* 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: Eng. 1 renovation Date: 02/22/2006 W.O.#: 130-10

Sampler Name: G. Horst Building Name/Number: Bldg. 556 rm. -166
Sample Analysis: TTL Pb Turn Around: 12 HR 24 HR Other
Lab Instructions: Die Date: 02/24/2006

Sample No.	Material(s)	IID No.	Location
20050222-556-Pb-01	White paint over beige paint on plaster substrate		Bldg. 556, rm. 4166, east wall, 1' up from floor, 1' from door

Chain of Custody

Relinquished by Name: G. Horst Company: UCSB Date/Time: 2/22/06 1:15pm
Received by Name: [Signature] Company: FAS1 Date/Time: 2/22/06 1:15pm

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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: M076187
Date Received: 02/27/06
Date Analyzed: 02/28/06
Date Printed: 02/28/06
First Reported: 02/28/06

Job ID / Site: WO# 120-10 - Eng. I Renovation, Bldg. 556, Rm. 5110,
5110C

FASI Job ID: 5151-1210

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
20060224-556-PB-01	30248617	Pb	3000	ppm	200	EPA 3050B/7420
20060224-556-PB-02	30248618	Pb	3400	ppm	200	EPA 3050B/7420

* 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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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)

10
- 1000

Project: Eng. I renovation

Date: 02/24/2006

W.O.#: 120-10

Sampler Name: G. Horstin

Building Name/Number: Bldg. 556 rm. 5110, 5110C

Sample Analysis

Turn Around

TTLc Pb	12 HR	24 HR	Other
Lab Instructions:	Due Date: 02/28/2006		

Sample No.	Material(s)	HID No.	Location
20060224-556-Pb-01	White paint over blue paint over white primer on plaster substrate		Bldg. 556, rm. 5110C, on south wall, 7' from west wall, 2' up from floor
20060224-556-Pb-02	White paint on plaster substrate		Bldg. 556, rm. 5110, on north wall, 17' from west wall, 3' up from floor.

Chain of Custody

Relinquished by Name: G. Horstin Company: UCSB Date/Time: 2/27/06
Received by Name: [Signature] Company: F&SI Date/Time: 2/27/06
1030

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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: M126361
Date Received: 01/09/12
Date Analyzed: 01/10/12
Date Printed: 01/10/12
First Reported: 01/10/12

Job ID / Site: Harold Frank Hall Repaint , Bldg 556 , 1st floor hall , W.O. 120-23
Date(s) Collected: 1/6/2012

FALI Job ID: 5151-6672
Total Samples Submitted: 1
Total Samples Analyzed: 1

Sample Number	Lab Number	Analyte	Result	Result Units	Reporting Limit*	Method Reference
20120106-556-PB-01	30423684	Pb	790	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.

Daniele Siu, Laboratory Supervisor, Hayward Laboratory

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Project: Harold Frank Hall Repaint

Date: 01/06/2012

W.O.#: 120-23

Sampler Name: G. Horstin

Building Name/Number: Bldg. 556, 1st floor hall

Sample Analysis	Turn Around		
TTLc Pb	12 HR	24 HR	Other
Lab Instructions:	Due Date: 01/10/2012		

Sample No.	Material(s)	HID No.	Location
20120106-556-Pb-01	White paint over white paint over yellow paint over white paint on plaster substrate.		Bldg. 556, 1 st floor, north entrance, east wall.

Chain of Custody

Relinquished by Name: G. Horstin Company: UCSB

Date/Time: for job

Received by Name: [Signature] Company: EASI

Date/Time: 1-9-12 10:30 am [Signature]

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