

October 31, 2006
Project No. 401256002

Mr. Roger Anchartchahar
Swinerton Management & Consulting
SMCCCD Capital Improvements Program
1700 W. Hillsdale Boulevard, Building 6
San Mateo, California 94402

Subject: Asbestos Abatement Specifications, Abatement Drawings, and Associated Tables and Graphics Related to the Planned Abatement Activities at CSM Buildings 10, 11, 12, 14, and 19
San Mateo County Community College District, San Mateo Campus
San Mateo, California

Dear Mr. Anchartchahar:

In accordance with the San Mateo County Community College District's (District) request, enclosed are the asbestos abatement specifications, abatement drawings, and associated tables and sample location figures related to the planned abatement activities at College of San Mateo (CSM) Buildings 10, 11, 12, 14, and 19.

This project originally included only CSM Building 10. At the District's request, CSM Buildings 11, 12, 14, and 19 were added to the asbestos abatement project planned to occur in December 2006 and January 2007. Ninyo & Moore reviewed the College of San Mateo's Campus-Wide 1989 Asbestos Inspection Report & Management Plan prepared by Hall & Kimbrell and used the sampling information and analytical results from that document in planning its asbestos sampling survey of CSM Buildings 10, 11, 12, 14, and 19.

ASBESTOS ABATEMENT SPECIFICATIONS AND ABATEMENT DRAWINGS

The asbestos abatement specifications and abatement drawings are identified as Appendices A and B, respectively, but were submitted to the District under separate cover on October 24, 2006.

BUILDING 10

Ninyo & Moore submitted the “Asbestos, Lead-Paint, and Polychlorinated Biphenyl-containing Items Survey, CSM Building 10” to the District on September 7, 2006. Please refer to this document for asbestos and paint chip sampling analytical results and associated sample location figures. An approximately 24-inch diameter suspect green olive vent pipe was observed above Room 119 on the first floor of Building 10. This pipe was not accessible during the asbestos survey. Additionally, packings and/or gaskets that are integral parts of building systems (heating/ventilation/air conditioning systems, etc.) were not sampled. These materials should be assumed to be ACMs.

BUILDING 12

Ninyo & Moore conducted an Asbestos, Lead-Paint, and Polychlorinated Biphenyl (PCB)-containing Items Survey of CSM-Building 12 from September 28, 2006 through October 2, 2006. At the District’s request, only the asbestos, paint chip, and PCB-containing items tables (Appendix C), sample location figures, and associated analytical results (Appendix D) are included in this submittal.

Window putty and ceramic tile adhesive samples were collected and reported as asbestos-containing materials (ACMs) (greater than one percent asbestos). The window putty is located within the external window frame assemblies of Building 12 and the ceramic tile adhesive is located on the walls of the men’s and women’s bathrooms (under 4-inch by 4-inch ceramic tiles). Both materials were observed to be in good condition. As Building 12 may be used as “swing space” during the planned renovation/rehabilitation activities occurring at the College of San Mateo campus, these materials will be left in place and not abated at this time. Approximately 30 feet of suspect TSI was observed on piping above the first floor men’s and women’s restrooms. This pipe was not accessible during the survey. Additionally, packings and/or gaskets that are integral parts of building systems (heating/ventilation/air conditioning systems, etc.) were not sampled. These materials should be assumed to be ACMs.

BUILDINGS 11, AND 14

Per the District's request, Ninyo & Moore sampled only the vinyl floor tile (VFT) and associated mastic from within Buildings 11 and 14 for asbestos content. Tables, sample location maps, and associated analytical results (Appendix D) related to these buildings are included in this submittal.

BUILDING 19

One room within Building 19 (the electronics lab on the eastern end of the ground floor) is the only area to be included in the planned abatement activities. The 9-inch by 9-inch gray VFT and associated mastic in this room were not sampled and are assumed to be ACM.

LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No other warranty, expressed or implied, is made regarding the professional opinions presented in this report.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information or has questions regarding the content, interpretations presented, or completeness of this document.

Our findings are based on an analysis of the observed site conditions and the applicable regulations. It should be understood that the conditions of a site can change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

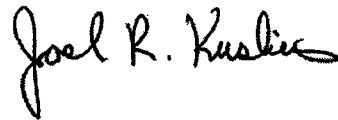
This report is intended exclusively for use by the District. Any use or reuse of the findings of this report by parties other than the District is undertaken at said parties' sole risk.

We appreciate the opportunity to be of service on this project.

Respectfully submitted,
NINYO & MOORE



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- Figures: Figure 1 - Building 11 ACM Sample Locations: Ground Floor
 Figure 2 - Building 11 ACM Sample Locations: First Floor
 Figure 3 - Building 12 ACM/Paint Chip Sample Locations: Ground Floor
 Figure 4 - Building 12 ACM/Paint Chip Sample Locations: First Floor
 Figure 5 - Building 14 ACM Sample Locations: First Floor
 Figure 6 - Building 14 ACM Sample Locations: Second Floor
- Tables: Asbestos Survey Results - CSM Buildings 11, 12, and 14
- Appendices: Appendix A - Asbestos Abatement Specifications - CSM Buildings 10, 11, 12, 14,
 and 19 (under separate cover)
 Appendix B - Asbestos Abatement Drawings - CSM Buildings 10, 11, 12,
 14, and 19 (under separate cover)
 Appendix C - CSM Building 12: Lead-Based Paint and PCB-Containing Item
 Survey Results
 Appendix D - CSM Buildings 11, 12, and 14 Asbestos and Lead-Based Paint Ana-
 lytical Results and Chain of Custody Documentation

Distribution: (1) Addressee

APPENDIX C

**CSM-BUILDING 12: LEAD-BASED PAINT AND PCB-CONTAINING
ITEM SURVEY RESULTS**

APPENDIX D

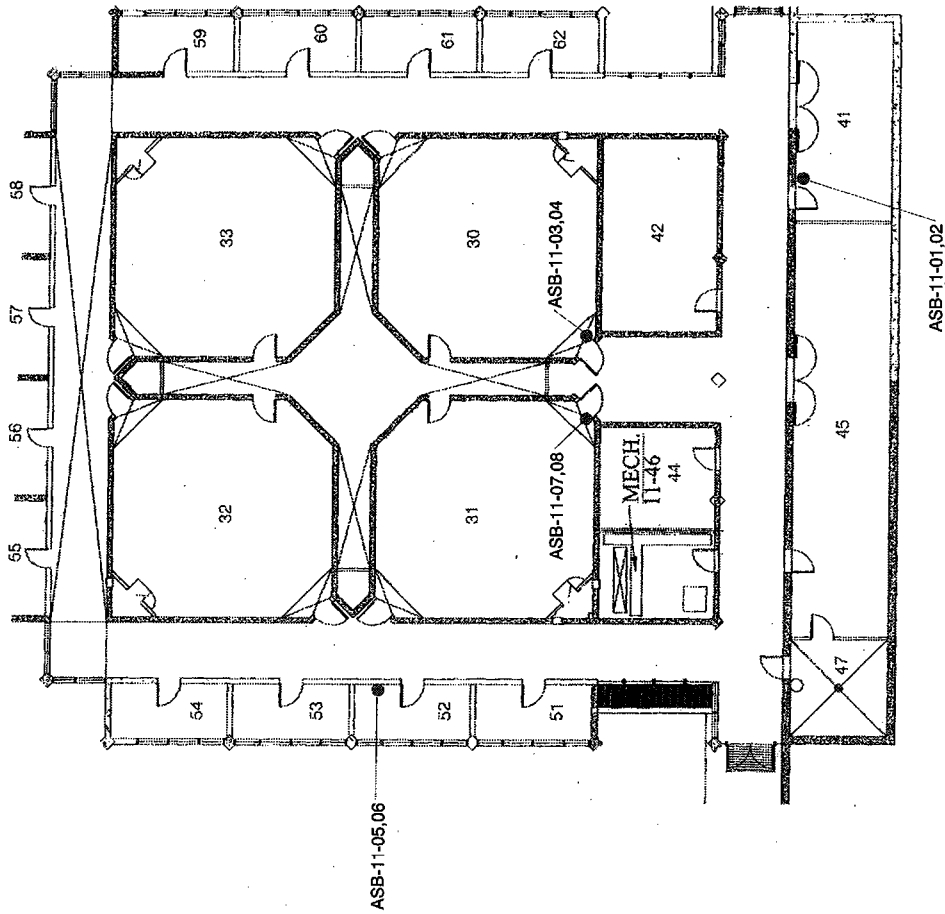
**CSM BUILDINGS 11, 12, AND 14 ASBESTOS AND LEAD-BASED PAINT ANALYTICAL
RESULTS AND CHAIN OF CUSTODY DOCUMENTATION**

APPENDIX C

**CSM-BUILDING 12: LEAD-BASED PAINT AND PCB-CONTAINING ITEM SURVEY
RESULTS**

APPENDIX D

**CSM BUILDINGS 11, 12, AND 14 ASBESTOS AND LEAD-BASED PAINT ANALYTICAL
RESULTS AND CHAIN OF CUSTODY DOCUMENTATION**



LEGEND

ASB-11-08 ● Ninyo & Moore Asbestos Sample Location



NOTE: All dimensions and directions are approximate.

NOT TO SCALE

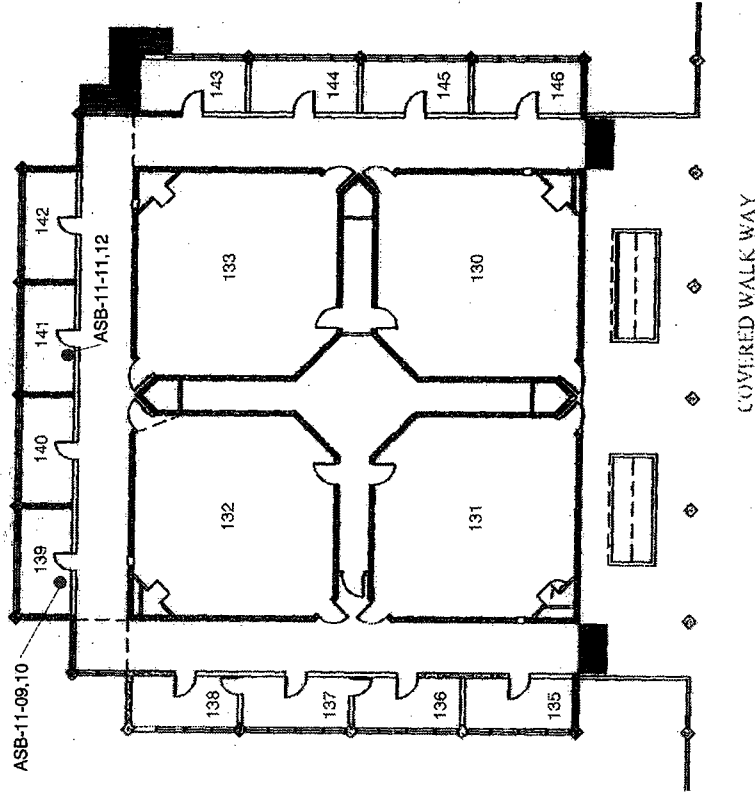
Ninyo & Moore

ACM SAMPLE LOCATIONS

COLLEGE OF SAN MATEO
CSM-BUILDING 11, GROUND FLOOR
SAN MATEO, CALIFORNIA

PROJECT NO. 401256002
DATE 10/06

FIGURE 1



LEGEND

ASB-11-117 ● Ninyo & Moore Asbestos Sample Location

NOTE: All dimensions and directions are approximate.



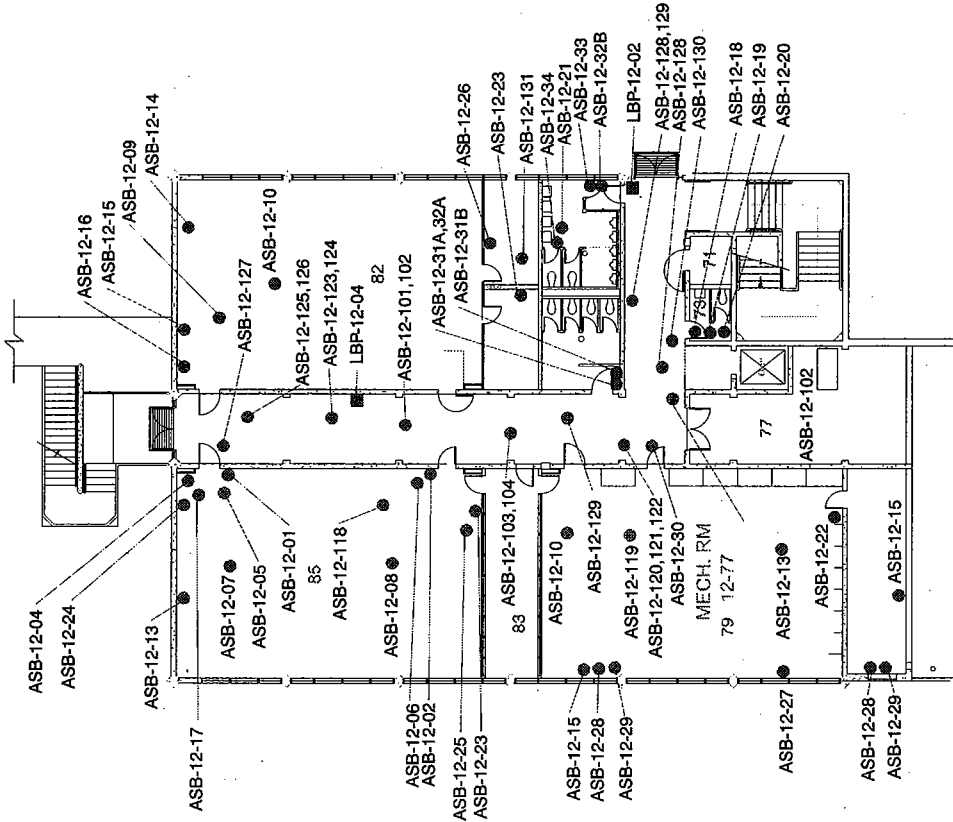
NOT TO SCALE

Ninyo & Moore

ACM SAMPLE LOCATIONS
 COLLEGE OF SAN MATEO
 CSM-BUILDING 11, FIRST FLOOR
 SAN MATEO, CALIFORNIA

PROJECT NO. 401256002
 DATE 10/06

FIGURE 2



LEGEND

- Ninyo & Moore Asbestos Sample Location
- Ninyo & Moore Lead Based Paint Sample Location

NOTE: All dimensions and directions are approximate.



Approximate Scale in Feet

Ninyo & Moore

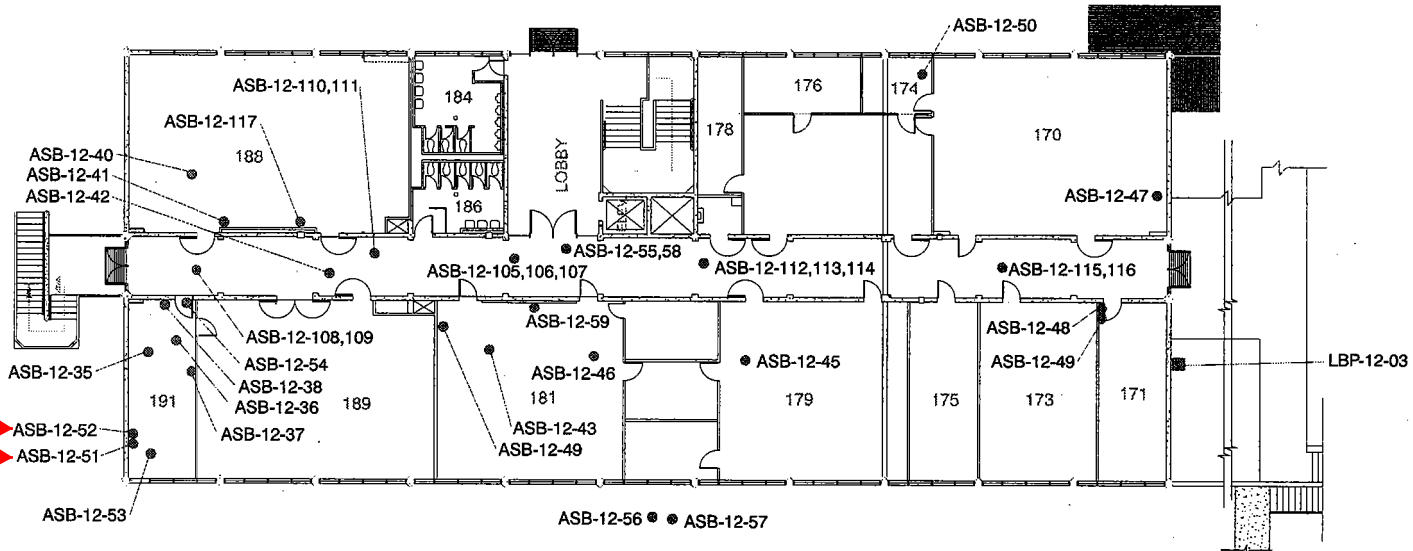
ACM/PAINT CHIP SAMPLE LOCATIONS

COLLEGE OF SAN MATEO
CSM-BUILDING 12, GROUND FLOOR
SAN MATEO, CALIFORNIA

PROJECT NO. 401256002 DATE 10/06

FIGURE 3

Gray Mastic,
1-3% Chrysotile



LEGEND

- ASB-12-117 ● Ninyo & Moore Asbestos Sample Location
- LBP-12-03 ■ Ninyo & Moore Lead Based Paint Sample Location



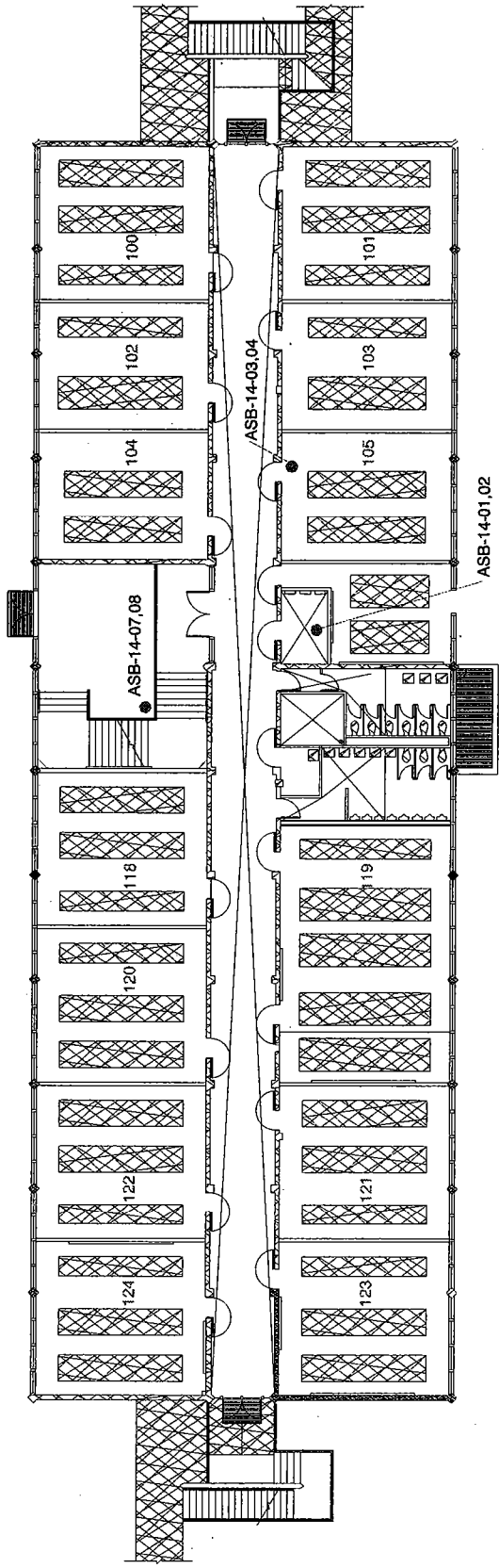
NOT TO SCALE

NOTE: All dimensions and directions are approximate.



ACM/PAINT CHIP SAMPLE LOCATIONS
 COLLEGE OF SAN MATEO
 CSM-BUILDING 12, FIRST FLOOR
 SAN MATEO, CALIFORNIA

PROJECT NO.	DATE	FIGURE
401256002	10/06	4



LEGEND

ASB-14-08 ● Ninyo & Moore Asbestos Sample Location



NOT TO SCALE

Ninyo & Moore

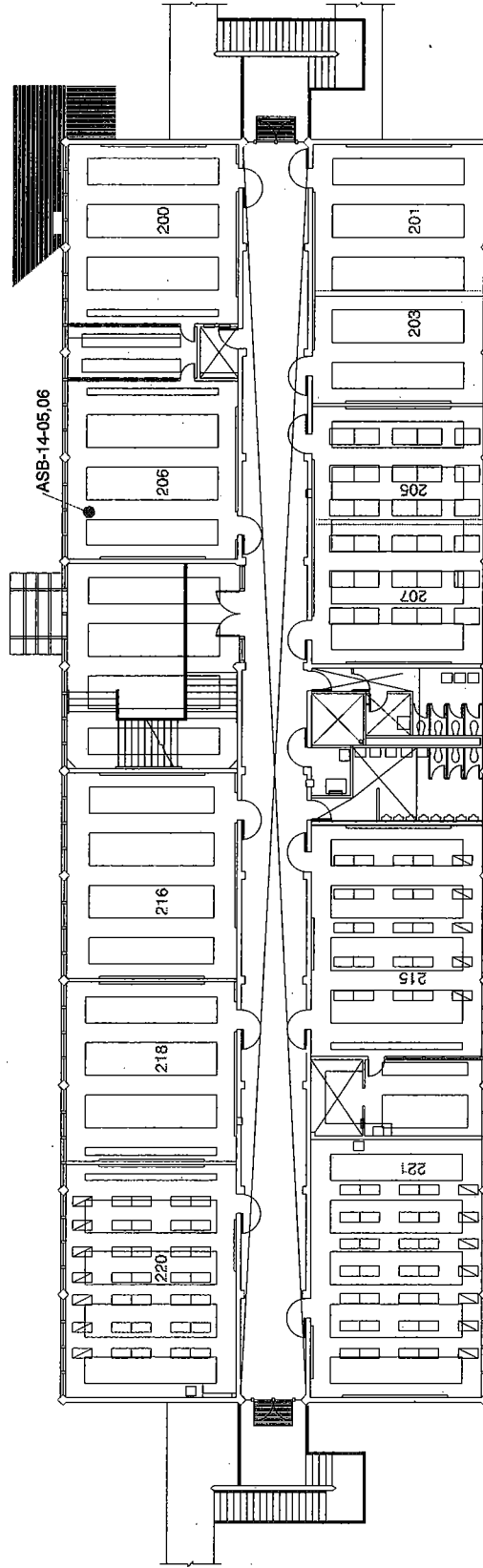
ACM SAMPLE LOCATIONS
 COLLEGE OF SAN MATEO
 CSM-BUILDING 14, FIRST FLOOR
 SAN MATEO, CALIFORNIA

PROJECT NO.
401256002

DATE
10/06

FIGURE
5

NOTE: All dimensions and directions are approximate.



LEGEND

ASB-14-06 ● Ninyo & Moore Asbestos Sample Location

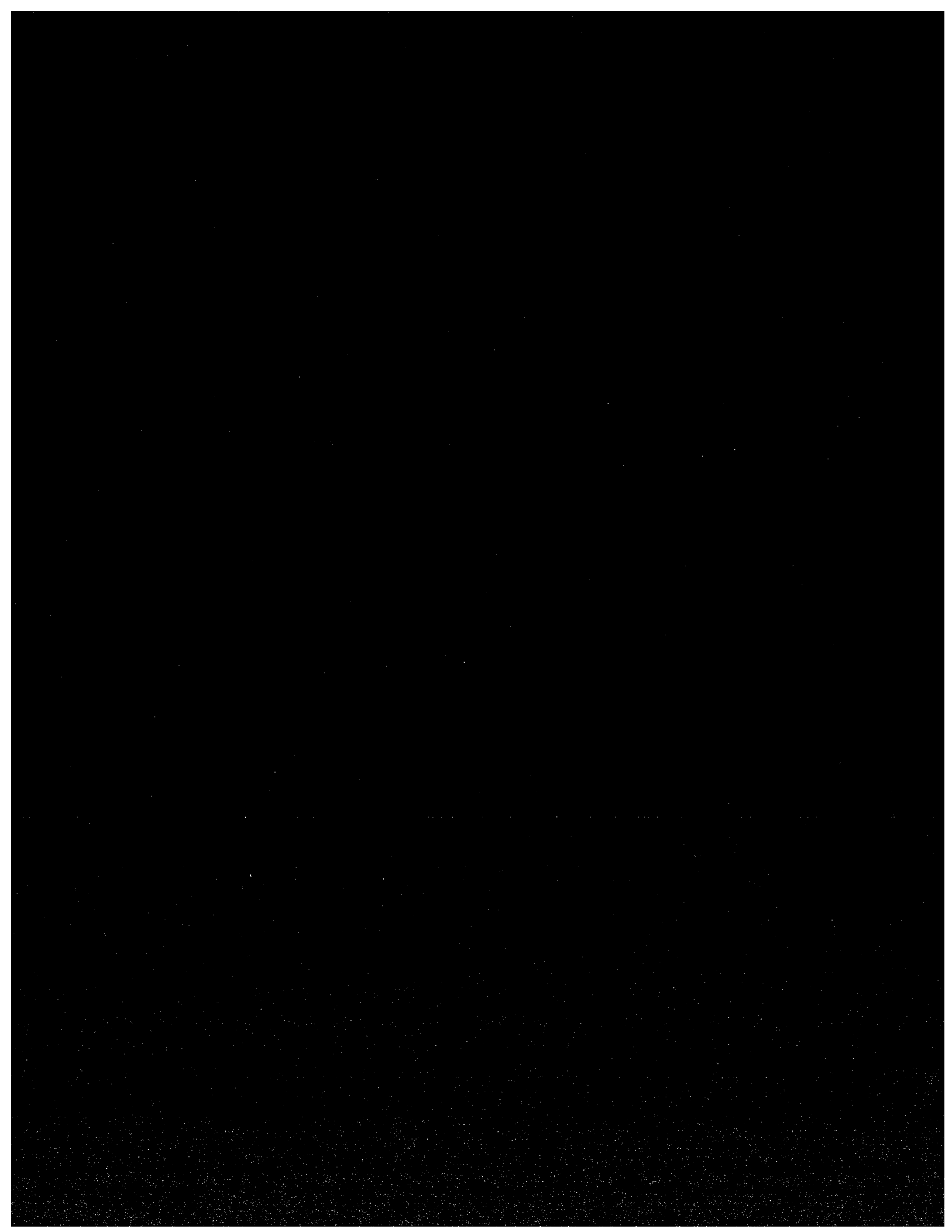


NOT TO SCALE

NOTE: All dimensions and directions are approximate.



ACH SAMPLE LOCATIONS	
COLLEGE OF SAN MATEO CSM-BUILDING 14, SECOND FLOOR SAN MATEO, CALIFORNIA	
PROJECT NO.	DATE
401256002	10/06
FIGURE 6	



Building 11 - Asbestos Survey Results

Sample No.	Bldg. No.	Material Location	Sample Description	Approximate Quantity (SF/LF/EA)	Friable Y/N	Condition	Asbestos Content
ASB-11-01	11	Room 41	9" x 9" Beige Vinyl Floor Tile (VFT) with Brown Flecks	6,000	N	Good	2% Chrysotile
ASB-11-02	11	Room 41	Mastic Associated with ASB-11-01	6,000	N	Good	5% Chrysotile
ASB-11-03	11	Room 30	Brown Mosaic Linoleum	6,500	N	Good	35% Chrysotile
ASB-11-04	11	Room 30	Mastic Associated with ASB-11-03	See ASB-11-08	N	Good	ND
ASB-11-05	11	Room 52	9" x 9" Beige VFT with Brown Flecks	See ASB-11-01	N	Good	1% Chrysotile
ASB-11-06	11	Room 52	Mastic Associated with ASB-11-05	See ASB-11-02	N	Good	10% Chrysotile
ASB-11-07	11	Room 31	Brown Mosaic Linoleum	See ASB-11-03	N	Good	35% Chrysotile
ASB-11-08	11	Room 31	Mastic Associated with ASB-11-07	6,500	N	Good	5% Chrysotile
ASB-11-09	11	Room 139	9" x 9" Beige VFT with Brown Flecks	See ASB-11-01	N	Good	1% Chrysotile
ASB-11-10	11	Room 139	Mastic Associated with ASB-11-09	See ASB-11-02	N	Good	10% Chrysotile
ASB-11-11	11	Room 141	9" x 9" Beige VFT with Brown Flecks	See ASB-11-01	N	Good	2% Chrysotile
ASB-11-12	11	Room 141	Mastic Associated with ASB-11-11	See ASB-11-02	N	Good	10% Chrysotile

NOTES:

SF = Square feet

ND = None detected

Building 12 - Asbestos Survey Results

Sample No.	Bldg. No.	Material Location	Sample Description	Approximate Quantity (SF/LF/EA)	Friable Y/N	Condition	Asbestos Content
ASB-12-01	12	Room 85	Olive/Green Cove Base and mastic	N/A	N/A	N/A	N/A
ASB-12-02	12	Room 85	Olive/Green Cove Base and mastic	N/A	N/A	N/A	N/A
ASB-12-03	12	Room 85	12" x 12" Gray Vinyl Floor Tile (VFT) with White Flecks and Mastic	N/A	N/A	N/A	N/A
ASB-12-04	12	Room 85	12" x 12" Gray Vinyl Floor Tile (VFT) with White Flecks and Mastic	N/A	N/A	N/A	N/A
ASB-12-05	12	Room 85	9" x 9" Dark Gray VFT with White Flecks and Mastic	22,000 SF	N	Good	VFT - 1% Chrysotile Mastic - 5% Chrysotile
ASB-12-06	12	Room 82	9" x 9" Dark Gray VFT with White Flecks and Mastic	See NMASB-05	N	Good	VFT - 1% Chrysotile Mastic - 5% Chrysotile
ASB-12-07	12	Room 85	Black Tabletop	See ASB-12-09	N	Good	ND
ASB-12-08	12	Room 85	Black Tabletop	See ASB-12-09	N	Good	ND
ASB-12-09	12	Room 82	Black Tabletop	2,500	N	Good	50% Chrysotile
ASB-12-10	12	Room 79	Black Tabletop	See ASB-12-09	N	Good	ND
ASB-12-11	12	Room 191	Black Tabletop	See ASB-12-09	N	Good	ND
ASB-12-12	12	Room 176	Black Tabletop	See ASB-12-09	N	Good	ND
ASB-12-13	12	Room 79	Black Tabletop	See ASB-12-09	N	Good	ND
ASB-12-14	12	Room 82	White Skim Coat on Concrete Wall	N/A	N/A	N/A	N/A
ASB-12-15	12	Room 79	White Skim Coat on Concrete Wall	N/A	N/A	N/A	N/A
ASB-12-16	12	Room 82	1' x 1' Acoustical Tile (wall) and Mastic	N/A	N/A	N/A	N/A
ASB-12-17	12	Room 85	1' x 1' Acoustical Tile (wall) and Mastic	N/A	N/A	N/A	N/A
ASB-12-18	12	Room 73 (Restroom)	1' x 1' Acoustical Tile (ceiling)	N/A	N/A	N/A	N/A
ASB-12-19	12	Room 73 (Restroom)	Black, Brown, and Red Mastic/Adhesives	N/A	N/A	N/A	N/A
ASB-12-20	12	Room 73 (Restroom)	Black, Brown, and Red Mastic/Adhesives	N/A	N/A	N/A	N/A
ASB-12-21	12	Room 73 (Restroom)	1' x 1' Acoustical Tile (ceiling) and Mastic	N/A	N/A	N/A	N/A
ASB-12-22	12	Room 79	Plaster/Scratch Coat	N/A	N/A	N/A	N/A

Building 12 - Asbestos Survey Results

Sample No.	Bldg. No.	Material Location	Sample Description	Approximate Quantity (SF/LF/EA)	Friable Y/N	Condition	Asbestos Content
ASB-12-23	12	Room 82	Plaster/Scratch Coat	N/A	N/A	N/A	N/A
ASB-12-24	12	Room 85	Plaster/Scratch Coat	N/A	N/A	N/A	N/A
ASB-12-25	12	Room 85	Plaster/Scratch Coat	N/A	N/A	N/A	N/A
ASB-12-26	12	Room 82	Plaster/Scratch Coat	N/A	N/A	N/A	N/A
ASB-12-27	12	Room 79	Black Window Putty	15 LF	N	Good	15% Chrysotile
ASB-12-28	12	Room 79	Black Window Putty	See ASB-12-27	N	Good	ND
ASB-12-29	12	Room 79	Black Window Putty	See ASB-12-27	N	Good	2% Chrysotile
ASB-12-30	12	First Floor Hallway	9" x 9" Dark Gray VFT with White Flecks and Mastic	See NMASB-05	N	Good	VFT - 2% Chrysotile Mastic 10% Chrysotile
ASB-12-31A	12	First Floor Women's Restroom	1" x 1" White/Gray Ceramic Tile and Grout	N/A	N/A	N/A	N/A
ASB-12-31B	12	First Floor Women's Restroom	Black Cove Base and Adhesive	N/A	N/A	N/A	N/A
ASB-12-32A	12	First Floor Women's Restroom	White Ceramic Wall Tile and Red Adhesive	see NMASB-01	N	Good	Tile - ND Red Adhesive - 3% Chrysotile
ASB-12-32B	12	First Floor Men's Restroom	1" x 1" White/Gray Ceramic Tile and Grout	N/A	N/A	N/A	N/A
ASB-12-33	12	First Floor Men's Restroom	White Ceramic Wall Tile and Red Adhesive	N/A	N/A	N/A	Tile - ND Red Adhesive - 2% Chrysotile
ASB-12-34	12	First Floor Men's Restroom	Plaster/Scratch Coat	N/A	N/A	N/A	N/A
ASB-12-35	12	Room 191	Green Tabletop				10% Chrysotile
ASB-12-36	12	Room 191	9" x 9" Dark Gray VFT with White Flecks and Mastic	See NMASB-05	N	Good	VFT - 2% Chrysotile Mastic - 5% Chrysotile
ASB-12-37	12	Room 191	Olive/Green Cove Base and mastic	N/A	N/A	N/A	N/A
ASB-12-38	12	Room 191	1' x 1' Acoustical Tile (wall) and Mastic	N/A	N/A	N/A	N/A
ASB-12-39	12	Room 189	Green Tabletop	2,500	N	Good	50% Chrysotile
ASB-12-40	12	Room 188	Green Tabletop	See ASB-12-39	N	Good	50% Chrysotile
ASB-12-41	12	Room 188	Olive/Green Cove Base and mastic	N/A	N/A	N/A	N/A
ASB-12-42	12	First Floor Hallway	2' x 4' Foam Lay-in ACT	N/A	N/A	N/A	N/A

Building 12 - Asbestos Survey Results

Sample No.	Bldg. No.	Material Location	Sample Description	Approximate Quantity (SF/LF/EA)	Friable Y/N	Condition	Asbestos Content
ASB-12-43	12	Room 181	Green Tabletop	See ASB-12-39	N	Good	50% Chrysotile
ASB-12-44	12	Room 181	Plaster/Scratch Coat	N/A	N/A	N/A	N/A
ASB-12-45	12	Room 179	Green Tabletop	See ASB-12-39	N	Good	50% Chrysotile
ASB-12-46	12	Room 181	Green Tabletop	See ASB-12-39	N	Good	50% Chrysotile
ASB-12-47	12	Room 170	Green Tabletop	See ASB-12-39	N	Good	50% Chrysotile
ASB-12-48	12	Room 171	Olive-Green VFT and Mastic/Leveling Compound	N/A	N/A	N/A	VFT - 3% Chrysotile Mastic - 5% Chrysotile Leveling Compound - ND
ASB-12-49	12	Room 171	Brown Cove Base and mastic	N/A	N/A	N/A	N/A
ASB-12-50	12	Room 174	Plaster/Scratch Coat	N/A	N/A	N/A	N/A
ASB-12-51	12	Roof	Roof Mastic	N/A	N/A	N/A	N/A
ASB-12-51A	12	Roof	Gray/White Penetration Mastic	500	N	Good	1-3% Chrysotile
ASB-12-52	12	Roof	Gray/White Penetration Mastic	See ASB-12-51A	N	Good	Not Submitted
ASB-12-53	12	Roof	Roof Assembly	N/A	N/A	N/A	N/A
ASB-12-54	12	Roof	Roof Assembly	N/A	N/A	N/A	N/A
ASB-12-55	12	Roof	Roof Assembly	N/A	N/A	N/A	N/A
ASB-12-56	12	Walkway Roof (between Buildings 11 and 12)	Walkway Roof Sealant	500	N	Good	10% Chrysotile
ASB-12-57	12	Walkway Roof (between Buildings 11 and 12)	Walkway Roof Sealant	See ASB-12-56	N	Good	10% Chrysotile
ASB-12-58	12	Roof	Roof Assembly	N/A	N/A	N/A	N/A
ASB-12-59	12	Room 181	Chalkboard Mastic	N/A	N/A	N/A	N/A
ASB-12-100	12	Room 82	Buttonboard/Wallboard	N/A	N/A	N/A	N/A
ASB-12-101	12	Ground Floor Hallway	2' x 4' Foam Lay-in ACT	N/A	N/A	N/A	N/A
ASB-12-102	12	Ground Floor Hallway	Piping TSI and Cover	N/A	N/A	N/A	N/A
ASB-12-103	12	Ground Floor Hallway	Piping TSI and Cover	N/A	N/A	N/A	N/A
ASB-12-104	12	Ground Floor Hallway	Piping TSI and Cover	N/A	N/A	N/A	N/A
ASB-12-105	12	First Floor Hallway/Above-Ceiling	2' x 4' Foam Lay-in ACT	N/A	N/A	N/A	N/A

Building 12 - Asbestos Survey Results

Sample No.	Bldg. No.	Material Location	Sample Description	Approximate Quantity (SF/LF/EA)	Friable Y/N	Condition	Asbestos Content
ASB-12-106	12	First Floor Hallway/Above-Ceiling	Piping TSI and Cover - 4"	N/A	N/A	N/A	N/A
ASB-12-107	12	First Floor Hallway/Above-Ceiling	TSI on Elbow - 4"	N/A	N/A	N/A	N/A
ASB-12-108	12	First Floor Hallway/Above-Ceiling	TSI on Elbow - 2"	N/A	N/A	N/A	N/A
ASB-12-109	12	First Floor Hallway/Above-Ceiling	TSI on Elbow - 2"	N/A	N/A	N/A	N/A
ASB-12-110	12	First Floor Hallway/Above-Ceiling	Piping TSI and Cover - 2"	N/A	N/A	N/A	N/A
ASB-12-111	12	First Floor Hallway/Above-Ceiling	Piping TSI and Cover - 2"	N/A	N/A	N/A	N/A
ASB-12-112	12	First Floor Hallway/Above-Ceiling	TSI on Elbow - 2"	N/A	N/A	N/A	N/A
ASB-12-113	12	First Floor Hallway/Above-Ceiling	Piping TSI and Cover - 2"	N/A	N/A	N/A	N/A
ASB-12-114	12	First Floor Hallway/Above-Ceiling	Piping TSI and Cover - 2"	N/A	N/A	N/A	N/A
ASB-12-115	12	First Floor Hallway/Above-Ceiling	TSI on Elbow	N/A	N/A	N/A	N/A
ASB-12-116	12	First Floor Hallway/Above-Ceiling	Piping TSI and Cover	N/A	N/A	N/A	N/A
ASB-12-117	12	Room 188	Chalkboard Assembly	N/A	N/A	N/A	N/A
ASB-12-118	12	Room 85	Green Tabletop (under Fume Hoods)	750	N	Good	50% Chrysotile
ASB-12-119	12	Room 79	Black Sink	N/A	N/A	N/A	N/A
ASB-12-120	12	Ground Floor Hallway	Piping TSI and Cover - 2" Hot Water Return	N/A	N/A	N/A	N/A
ASB-12-121	12	Ground Floor Hallway	Piping TSI and Cover - 2" Hot Water Supply	N/A	N/A	N/A	N/A
ASB-12-122	12	Ground Floor Hallway	TSI on Elbow - 2" Hot Water Supply	N/A	N/A	N/A	N/A
ASB-12-123	12	Ground Floor Hallway	Piping TSI and Cover - 1"	N/A	N/A	N/A	N/A
ASB-12-124	12	Ground Floor Hallway	TSI on Elbow - 1"	N/A	N/A	N/A	N/A
ASB-12-125	12	Ground Floor Hallway	Piping TSI and Cover - 1"	N/A	N/A	N/A	N/A
ASB-12-126	12	Ground Floor Hallway	TSI on Elbow - 1"	N/A	N/A	N/A	N/A
ASB-12-127	12	Ground Floor Hallway	TSI on Elbow - 1"	N/A	N/A	N/A	N/A



Building 12 - Asbestos Survey Results

Sample No.	Bldg. No.	Material Location	Sample Description	Approximate Quantity (SF/LF/EA)	Friable Y/N	Condition	Asbestos Content
ASB-12-128	12	Ground Floor Hallway	TSI on Elbow - 1"	N/A	N/A	N/A	N/A
ASB-12-129	12	Ground Floor Hallway	TSI on Elbow - 1"	N/A	N/A	N/A	N/A
ASB-12-130	12	Ground Floor Hallway	TSI on Elbow - 1"	N/A	N/A	N/A	N/A
ASB-12-131	12	Room 86	Duct Covering and Tape	N/A	N/A	N/A	N/A

NOTES:

SF = Square feet

ND = None detected

N/A = Not applicable/ Not Analyzed

Building 14 - Asbestos Survey Results

Sample No.	Bldg. No.	Material Location	Sample Description	Approximate Quantity (SF/LF/EA)	Friable Y/N	Condition	Asbestos Content
ASB-14-01	14	Room 109	9" x 9" Gray Vinyl Floor Tile (VFT) with White Flecks	23,000	N	Good	1% Chrysotile
ASB-14-02	14	Room 109	Mastic Associated with ASB-14-01	23,000	N	Good	5% Chrysotile
ASB-14-03	14	Room 105	9" x 9" Gray VFT with White Flecks	See ASB-14-01	N	Good	1% Chrysotile
ASB-14-04	14	Room 105	Mastic Associated with ASB-14-01	See ASB-14-02	N	Good	3% Chrysotile
ASB-14-05	14	Room 206	9" x 9" Gray VFT with White Flecks	See ASB-14-01	N	Good	1% Chrysotile
ASB-14-06	14	Room 206	Mastic Associated with ASB-14-01	See ASB-14-02	N	Good	3% Chrysotile
ASB-14-07	14	Hallway Floor	9" x 9" Gray VFT with White Flecks	See ASB-14-01	N	Good	2% Chrysotile
ASB-14-08	14	Hallway Floor	Mastic Associated with ASB-14-01	See ASB-14-02	N	Good	5% Chrysotile

NOTES:

SF = Square feet

APPENDIX A

**ASBESTOS ABATEMENT SPECIFICATIONS - CSM BUILDINGS 10, 11, 12, 14, AND 19
(UNDER SEPARATE COVER)**

SMCCCD, Buildings 10, 11, 12, 14 and 19
San Mateo, California

October 31, 2006
Project No. 401256002

APPENDIX B

**ASBESTOS ABATEMENT DRAWINGS - CSM BUILDINGS 10, 11, 12, 14, AND 19
(UNDER SEPARATE COVER)**

APPENDIX C

**CSM-BUILDING 12: LEAD-BASED PAINT AND PCB-CONTAINING ITEM SURVEY
RESULTS**

Building 12 - Lead-Based Paint Survey Results

Sample ID	Bldg. No.	Sample Location	Lead-Containing Surfaces (LCS) (e.g., door, wall, frame)	Sample Description (Color / # of Layers / Substrate)	Condition	Estimate of Surface Area	Total Lead (mg/kg)
LBP-12-01	12	Roof HVAC Equipment	Metal Siding	Tan/2/Metal	Poor/Non-Intact	300 SF	16,000
LBP-12-02	12	Ground Floor Men's Restroom	Wall	Beige/2/Plaster	Intact	600 SF	2,200
LBP-12-03	12	Exterior Wall-First Floor	Wall	Beige/2/Concrete	Intact	500 SF	<100
LBP-12-04	12	Hallway-Ground Floor	Wall	Beige/2/Concrete	Intact	1,000 SF	2,100

NOTES:

Total lead analyzed in accordance with EPA test method 6010
 mg/kg = Milligrams per kilogram
 SF = Square feet

Building 12 - PCB-Containing Item Survey Results

Location	Number of Transformers	Number of Light Ballasts
Building 12	0	100

NOTES:

PCB = Polychlorinated biphenyl

APPENDIX D

**CSM BUILDINGS 11, 12, AND 14 ASBESTOS AND LEAD-BASED PAINT ANALYTICAL
RESULTS AND CHAIN OF CUSTODY DOCUMENTATION**



EMSL Analytical, Inc

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Attn: **Bill Larkin**
Ninyo & Moore
1956 Webster #400
Oakland, CA 94612

Customer ID: NOMO22
Customer PO: 401256001
Received: 10/02/06 3:00 PM
EMSL Order: 090605053

Fax: (510) 633-5646 Phone: (510) 633-5640
Project: 401256001 / CSM, Bldg 12

EMSL Proj:
Analysis Date: 10/3/2006
Report Date: 10/3/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-105, 2x4 Acoustical ceiling tile <i>090605053-0001</i>	Bldg 12, hallway, 1st floor hallway, above ceiling	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected
ASB-12-106, Pipe TSI, 4" wrap <i>090605053-0002</i>	Bldg 12, hallway, 1st floor hallway, above ceiling	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected
ASB-12-107, T elbow TSI, 4" <i>090605053-0003</i>	Bldg 12, hallway, 1st floor hallway, above ceiling	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected
ASB-12-108, Elbow TSI 2" <i>090605053-0004</i>	Bldg 12, hallway, 1st floor hallway, above ceiling	Gray Non-Fibrous Heterogeneous	10% Min. Wool	90% Non-fibrous (other)	None Detected
ASB-12-109, Pipe TSI, 2" wrap <i>090605053-0005</i>	Bldg 12, hallway, 1st floor hallway, above ceiling	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected
ASB-12-110, Pipe TSI, 2" wrap <i>090605053-0006</i>	Bldg 12, hallway, 1st floor hallway, above ceiling	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected

Analyst(s)

Jason McGriff (27)

or other approved signatory

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Analysis performed by EMSL San Leandro (NVLAP #101048-3)



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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-111, Pipe TSI, 2" wrap 090605053-0007	Bldg 12, hallway, 1st floor hallway, above ceiling	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected
ASB-12-112, Elbow TSI 2" 090605053-0008	Bldg 12, hallway, 1st floor hallway, above ceiling	Gray Non-Fibrous Heterogeneous	10% Min. Wool	90% Non-fibrous (other)	None Detected
ASB-12-113, Pipe TSI, 2" wrap 090605053-0009	Bldg 12, hallway, 1st floor hallway, above ceiling	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected
ASB-12-114, Pipe TSI, 2" wrap 090605053-0010	Bldg 12, hallway, 1st floor hallway, above ceiling	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected
ASB-12-115, Elbow TSI 090605053-0011	Bldg 12, hallway, 1st floor hallway, above ceiling	Gray Non-Fibrous Heterogeneous	10% Min. Wool	90% Non-fibrous (other)	None Detected
ASB-12-116, Pipe TSI wrap 090605053-0012	Bldg 12, hallway, 1st floor hallway, above ceiling	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected

Analyst(s)

Jason McGriff (27)

or other approved signatory

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Report Date: 10/3/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-117, Chalkboard assembly 090605053-0013	Bldg 12, room 18, 1st floor	Brown, Gray Fibrous Heterogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
ASB-12-118, Tabletop under fume hoods 090605053-0014	Bldg 12, room 85, fume hood area	Gray Non-Fibrous Heterogeneous		50% Non-fibrous (other)	50% Chrysotile
ASB-12-119, Sink 090605053-0015	Bldg 12, Room 79, sink	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-120, Piping TSI, cover, HW return 2" 090605053-0016	Bldg 12, hall, ground floor hallway, above ceiling	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected
ASB-12-121, Piping TSI, cover, HW supply 2" 090605053-0017	Bldg 12, hall, ground floor hallway, above ceiling	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected
ASB-12-122, Elbow TSI, HW supply 2" 090605053-0018	Bldg 12, hall, ground floor hallway, above ceiling	Gray Non-Fibrous Heterogeneous	20% Min. Wool	80% Non-fibrous (other)	None Detected

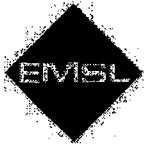
Analyst(s)

Jason McGriff (27)

or other approved signatory

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EMSL Order: 090605053

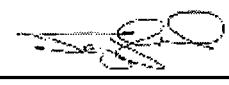
Fax: (510) 633-5646 Phone: (510) 633-5640
Project: 401256001 / CSM, Bldg 12

EMSL Proj:
Analysis Date: 10/3/2006
Report Date: 10/3/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-123, Piping TSI, cover, 1" 090605053-0019	Bldg 12, hall, ground floor hallway, above ceiling	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected
ASB-12-124, Elbow TSI, 1" 090605053-0020	Bldg 12, hall, ground floor hallway, above ceiling	Gray Non-Fibrous Heterogeneous	20% Min. Wool	80% Non-fibrous (other)	None Detected
ASB-12-125, Piping TSI, cover, 1" 090605053-0021	Bldg 12, hall, ground floor hallway, above ceiling	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected
ASB-12-126, Elbow TSI, 1" 090605053-0022	Bldg 12, hall, ground floor hallway, above ceiling	Gray Non-Fibrous Heterogeneous	20% Min. Wool	80% Non-fibrous (other)	None Detected
ASB-12-127, Elbow TSI, 1" 090605053-0023	Bldg 12, hall, ground floor hallway, above ceiling	Gray Non-Fibrous Heterogeneous	20% Min. Wool	80% Non-fibrous (other)	None Detected
ASB-12-128, Elbow TSI, HW supply 2" 090605053-0024	Bldg 12, hall, ground floor hallway, above ceiling	Gray Non-Fibrous Heterogeneous	20% Min. Wool	80% Non-fibrous (other)	None Detected

Analyst(s)
Jason McGriff (27)



or other approved signatory

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Analysis performed by EMSL San Leandro (NVLAP #101048-3)



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Customer ID: NOMO22
Customer PO: 401256001
Received: 10/02/06 3:00 PM
EMSL Order: 090605053
EMSL Proj:
Analysis Date: 10/3/2006
Report Date: 10/3/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-129, Elbow TSI, 1" 090605053-0025	Bldg 12, hall, ground floor hallway, above ceiling	Gray Non-Fibrous Heterogeneous	20% Min. Wool	80% Non-fibrous (other)	None Detected
ASB-12-130, Elbow TSI, 1" 090605053-0026	Bldg 12, hall, ground floor hallway, above ceiling	Gray Non-Fibrous Heterogeneous	20% Min. Wool	80% Non-fibrous (other)	None Detected
ASB-12-131, Duct covering, tape 090605053-0027	Bldg 12, Room 86, above fume hood	Yellow Non-Fibrous Homogeneous	90% Glass	10% Non-fibrous (other)	None Detected

Analyst(s)

Jason McGriff (27)

or other approved signatory

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Analysis performed by EMSL San Leandro (NVLAP #101048-3)

Ninyo & Moore
 1956 Webster St., #400
 Oakland, CA 94612
 Tel: (510) 633-5640
 Fax: (510) 633-5646

Project Name: OSMA Bldg 72
 Project No.: W1256001
 Project Manager: WPL
 Site Address: Bldg 72

Sampled By: WPL
 Sampled By:
 Sampled By:
 Date Sampled: 10/2/06

Laboratory: EMSL

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (signature)	Company	Date	Time (hr)	Received By: (signature)	Laboratory
<u>William P. Lenth</u>	Ninyo & Moore	10/2/06	1500	<u>Phy/W</u>	10/2/06 3:00pm

Sample ID	Building Number	Room Number	Sample Location	Sample Description	Quantity (SPL/FE)	Friable (Y/N)	Condition
ASB-12-105	12	15	Hallway	2' x 4' Lay to floor		Y	
ASB-12-106	12			Pipe TSI & wrap - 4"		Y	
ASB-12-107	12			T-Elbow TSI - 4"		Y	
ASB-12-108	12			Elbow TSI - 2"		Y	
ASB-12-109	12			Pipe TSI & wrap - 2"		Y	
ASB-12-110	12			Pipe TSI & wrap - 2"		Y	
ASB-12-111	12			Pipe TSI & wrap - 2"		Y	
ASB-12-112	12			Elbow TSI - 2"		Y	
ASB-12-113	12			Pipe TSI & wrap 2"		Y	
ASB-12-114	12			Pipe TSI & wrap - 2"		Y	
ASB-12-115	12			Elbow TSI		Y	
ASB-12-116	12			Pipe TSI & wrap		Y	
ASB-12-117	12	188	Room 188 (1st Floor)	Chalkboard Assembly		Y	
ASB-12-118	12	79	Fume Hood Area	Chalkboard under Fume Hood		Y	
ASB-12-119	12	79	Sink	Black Sink		Y	

ASBESTOS BULK SAMPLE DATA SHEET

90605053

Sheet 2 of 2

24-10-707

Ninyo & Moore
 1956 Webster St., #400
 Oakland, CA 94612
 Tel: (510) 633-9640
 Fax: (510) 633-9646

Project Name: 00N-014712
 Project No.: 40256001
 Project Manager: WPL
 Site Address: Bldg. 12

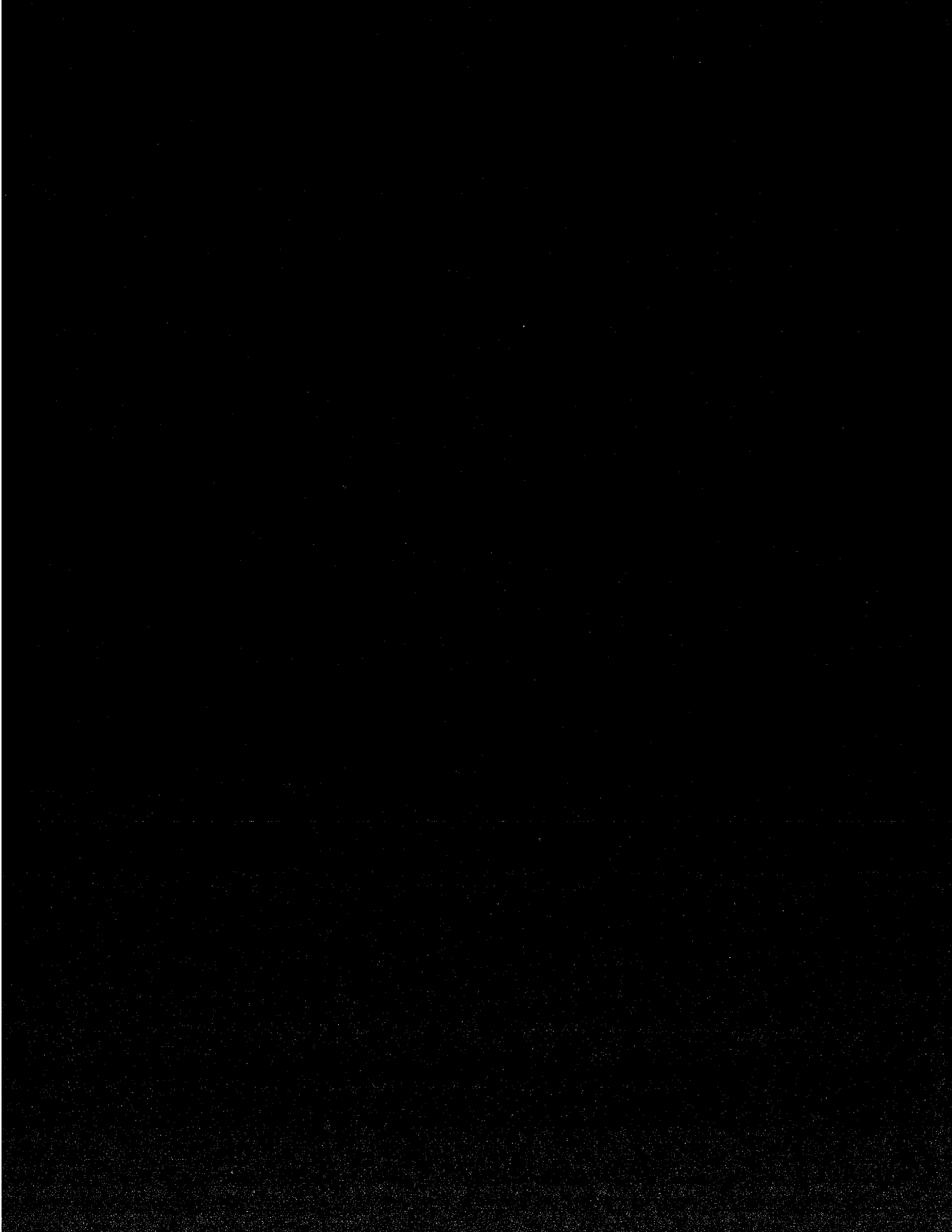
Sampled By: WPL
 Sampled By:
 Sampled By:
 Date Sampled: 10/2/02

Laboratory: ENR2

CHAIN OF CUSTODY INFORMATION

Retrieved By: (sign/print) <i>William P. Lambert</i>	Company Ninyo & Moore	Date 10/2/02	Time (hr) 1500	Received By: (sign/print) <i>Phy/W D.B. Kocher</i>	Laboratory ENR2
---	--------------------------	-----------------	-------------------	---	--------------------

Sample ID	Building Number	Room Number	Sample Location	Sample Description	Quantity (SE/FE)	Frangible (Y/N)	Condition
ASB - 12-120	12	12	Ground Floor hallway - down stairs	Piping TSI/cover - HW Return ²		Y	
ASB - 12-121	12	12	"	Piping TSI/cover - HW Supply ²⁰		Y	
ASB - 12-122	12	12	"	Elbow TSI/cover - HW Supply ²⁰		Y	
ASB - 12-123	12	12	"	Piping TSI/cover - 1"		Y	
ASB - 12-124	12	12	"	Elbow TSI - 1"		Y	
ASB - 12-125	12	12	"	Piping TSI/cover - 1"		Y	
ASB - 12-126	12	12	"	Elbow TSI - 1"		Y	
ASB - 12-127	12	12	"	Elbow TSI - 1"		Y	
ASB - 12-128	12	12	"	Elbow TSI - HW Supply - 2"		Y	
ASB - 12-129	12	12	"	Elbow TSI - 1"		Y	
ASB - 12-130	12	12	"	Elbow TSI - 1"		Y	
ASB - 12-131	12	86	Above Furnace Hood	Duct covering & Tee		N	
ASB							
ASB							
ASB							





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Customer ID: NOMO22
Customer PO: 401256001
Received: 10/02/06 8:00 AM
EMSL Order: 090605025

Fax: (510) 633-5646 Phone: (510) 633-5640
Project: 401256001 / CSM, Bldgs 11, 12, 14

EMSL Proj:
Analysis Date: 10/2/2006
Report Date: 10/3/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-01-A, Base 090605025-0001	Bldg 12, Room 85	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-01-B, Base mastic 090605025-0001A	Bldg 12, Room 85	Brown Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
			Other fibers present with optical properties not consistent with regulated asbestos. Recommended confirmation by TEM.		
ASB-12-01-C, Surfacing 090605025-0001B	Bldg 12, Room 85	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
ASB-12-02-A, Base 090605025-0002	Bldg 12, Room 85	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-02-B, Base mastic 090605025-0002A	Bldg 12, Room 85	Brown Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
			Other fibers present with optical properties not consistent with regulated asbestos. Recommended confirmation by TEM.		
ASB-12-02-C, Surfacing 090605025-0002B	Bldg 12, Room 85	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

Jason McGriff (100)

or other approved signatory

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EMSL Proj:
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Report Date: 10/3/2006

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-03-A, 12x12 090605025-0003	Bldg 12, Room 85	Gray Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
ASB-12-03-B, 12x12 mastic 090605025-0003A	Bldg 12, Room 85	Beige Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
ASB-12-04-A, 12x12 090605025-0004	Bldg 12, Room 85	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-04-B, 12x12 mastic 090605025-0004A	Bldg 12, Room 85	Beige Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
ASB-12-05-A, 9x9 VFT 090605025-0005	Bldg 12, Room 85	Gray Non-Fibrous Homogeneous		99% Non-fibrous (other)	1% Chrysotile
ASB-12-05-B, 9x9 VFT mastic 090605025-0005A	Bldg 12, Room 85	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
ASB-12-06-A, 9x9 VFT 090605025-0006	Bldg 12, Room 82	Gray Non-Fibrous Homogeneous		99% Non-fibrous (other)	1% Chrysotile

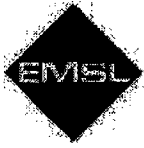
Analyst(s)

Jason McGriff (100)

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EMSL Order: 090605025

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Project: 401256001 / CSM, Bldgs 11, 12, 14

EMSL Proj:
Analysis Date: 10/2/2006
Report Date: 10/3/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-06-B, 9x9 VFT mastic 090605025-0006A	Bldg 12, Room 82	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
ASB-12-07, Tabletop 090605025-0007	Bldg 12, Room 85	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-08, Tabletop 090605025-0008	Bldg 12, Room 85	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-09, Tabletop 090605025-0009	Bldg 12, Room 82	Gray Non-Fibrous Homogeneous		50% Non-fibrous (other)	50% Chrysotile
ASB-12-10, Tabletop 090605025-0010	Bldg 12, Room 79	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-11, Tabletop 090605025-0011	Bldg 12, Room 191	Gray Non-Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
ASB-12-12, Tabletop 090605025-0012	Bldg 12, Room 176	Gray Non-Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected

Analyst(s)

Jason McGriff (100)

or other approved signatory

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Analysis performed by EMSL San Leandro (NVLAP #101048-3)



EMSL Analytical, Inc

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-13, Tabletop 090605025-0013	Bldg 12, Room 29	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-14, Skim coat on concrete wall 090605025-0014	Bldg 12, Room 82	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
ASB-12-15, Skim coat on concrete wall 090605025-0015	Bldg 12, Room 79	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
ASB-12-16-A, 1x1 Acoustical tile 090605025-0016	Bldg 12, Room 82, wall	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected
ASB-12-16-B, 1x1 Acoustical tile mastic 090605025-0016A	Bldg 12, Room 82, wall	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-17-A, 1x1 Acoustical tile 090605025-0017	Bldg 12, Room 85, wall	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-17-B, 1x1 Acoustical tile mastic 090605025-0017A	Bldg 12, Room 85, wall	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-18, 1x1 Acoustical tile 090605025-0018	Bldg 12, Room 73, Ceiling 1st flr faculty rest men	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected
			No apparent mastic present on submitted sample.		
ASB-12-19-A, Mastic, 1 090605025-0019	Bldg 12, Room 73, Ceiling 1st flr faculty rest men	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
			Other fibers present with optical properties not consistent with regulated asbestos. Recommended confirmation by TEM.		
ASB-12-19-B, Mastic, 2 090605025-0019A	Bldg 12, Room 73, Ceiling 1st flr faculty rest men	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
			Other fibers present with optical properties not consistent with regulated asbestos. Recommended confirmation by TEM.		
ASB-12-19-C, Mastic, 3 090605025-0019B	Bldg 12, Room 73, Ceiling 1st flr faculty rest men	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-20-A, Mastic, 1 090605025-0020	Bldg 12, Room 73, Ceiling 1st flr faculty rest men	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
			Other fibers present with optical properties not consistent with regulated asbestos. Recommended confirmation by TEM.		

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-20-B, Mastic, 2 <i>090605025-0020A</i>	Bldg 12, Room 73, Ceiling 1st flr faculty rest men	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
<small>Other fibers present with optical properties not consistent with regulated asbestos. Recommended confirmation by TEM.</small>					
ASB-12-20-C, Mastic, 3 <i>090605025-0020B</i>	Bldg 12, Room 73, Ceiling 1st flr faculty rest men	Red Non-Fibrous Homogeneous	10% Glass	90% Non-fibrous (other)	None Detected
ASB-12-21, 1x1 Acoustical tile and mastic <i>090605025-0021</i>	Bldg 12, Restroom, 1st floor men's ceiling				Not Submitted
ASB-12-22-A, Plaster <i>090605025-0022</i>	Bldg 12, Room 79	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-22-B, Surfacing <i>090605025-0022A</i>	Bldg 12, Room 79	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-23-A, Plaster <i>090605025-0023</i>	Bldg 12, Room 82, wall	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-23-B, Surfacing 090605025-0023A	Bldg 12, Room 82, wall	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-24-A, Plaster 090605025-0024	Bldg 12, Room 85, wall	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-24-B, Surfacing 090605025-0024A	Bldg 12, Room 85, wall	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-25-A, Plaster 090605025-0025	Bldg 12, Room 85, wall	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-25-B, Surfacing 090605025-0025A	Bldg 12, Room 85, wall	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-26-A, Plaster 090605025-0026	Bldg 12, Room 82, wall	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-26-B, Surfacing 090605025-0026A	Bldg 12, Room 82, wall	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-27, Window putty 090605025-0027	Bldg 12, Room 79, window frame	Black Non-Fibrous Homogeneous		85% Non-fibrous (other)	15% Chrysotile
ASB-12-28, Window putty 090605025-0028	Bldg 12, Room 79, window frame	Black, Gray Non-Fibrous Heterogeneous	1% Cellulose	99% Non-fibrous (other)	None Detected
ASB-12-29, Window putty 090605025-0029	Bldg 12, Room 79, window frame	Black Non-Fibrous Heterogeneous		98% Non-fibrous (other)	2% Chrysotile
ASB-12-30-A, 9x9 VFT 090605025-0030	Bldg 12, Hall, floor	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
ASB-12-30-B, 9x9 VFT mastic 090605025-0030A	Bldg 12, Hall, floor	Black Non-Fibrous Homogeneous		90% Non-fibrous (other)	10% Chrysotile
ASB-12-31A-A, Floor tile 090605025-0031	Bldg 12, Restroom, 1st floor women's	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-31A-B, Floor tile grout 090605025-0031A	Bldg 12, Restroom, 1st floor women's	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-32A-A, Tile 090605025-0032	Bldg 12, Restroom, 1st floor women's	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
ASB-12-32A-B, Tile mastic 090605025-0032A	Bldg 12, Restroom, 1st floor women's	Red Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
ASB-12-31B-A, Base 090605025-0033	Bldg 12, Restroom, 1st floor women's	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-31B-B, Base mastic 090605025-0033A	Bldg 12, Restroom, 1st floor women's	Clear Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-32B-A, Floor tile 090605025-0034	Bldg 12, Restroom, 1st floor men's	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
ASB-12-32B-B, Floor tile grout 090605025-0034A	Bldg 12, Restroom, 1st floor men's	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-33-A, Tile 090605025-0035	Bldg 12, Restroom, 1st floor men's	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-33-B, Tile mastic 090605025-0035A	Bldg 12, Restroom, 1st floor men's	Red Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
ASB-12-34-A, Plaster 090605025-0036	Bldg 12, Restroom, wall	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
ASB-12-34-B, Surfacing 090605025-0036A	Bldg 12, Restroom, wall	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
ASB-12-35, Tabletop 090605025-0037	Bldg 12, Room 191	Green Fibrous Homogeneous		90% Non-fibrous (other)	10% Chrysotile
ASB-12-36-A, 9x9 VFT 090605025-0038	Bldg 12, Room 191, floor	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
ASB-12-36-B, 9x9 VFT mastic 090605025-0038A	Bldg 12, Room 191, floor	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
ASB-12-37-A, Base 090605025-0039	Bldg 12, Room 191, wall base cove	Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-37-B, Base mastic 090605025-0039A	Bldg 12, Room 191, wall base cove	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-38-A, 1x1 Acoustical 090605025-0040	Bldg 12, Room 191, wall	Yellow Fibrous Homogeneous	95% Min. Wool	5% Non-fibrous (other)	None Detected
ASB-12-38-B, 1x1 Acoustical mastic 090605025-0040A	Bldg 12, Room 191, wall	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
			Other fibers present with optical properties not consistent with regulated asbestos. Recommended confirmation by TEM.		
ASB-12-39, Tabletop 090605025-0041	Bldg 12, Room 189	Green Non-Fibrous Homogeneous		50% Non-fibrous (other)	50% Chrysotile
ASB-12-40, Tabletop 090605025-0042	Bldg 12, Room 188	Green Non-Fibrous Homogeneous		50% Non-fibrous (other)	50% Chrysotile
ASB-12-41-A, Base 090605025-0043	Bldg 12, Room 188, wall base cove	Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-41-B, Base mastic 090605025-0043A	Bldg 12, Room 188, wall base cove	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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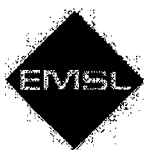
Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-42, 2x4 Acoustical ceiling tile 090605025-0044	Bldg 12, Hall, Ceiling	Brown Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected
ASB-12-43, Tabletop 090605025-0045	Bldg 12, Room 181	Green Non-Fibrous Homogeneous		50% Non-fibrous (other)	50% Chrysotile
ASB-12-44-A, Plaster 090605025-0046	Bldg 12, Room 181, wall	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-44-B, Surfacing 090605025-0046A	Bldg 12, Room 181, wall	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-45, Tabletop 090605025-0047	Bldg 12, Room 179	Green Non-Fibrous Homogeneous		50% Non-fibrous (other)	50% Chrysotile
ASB-12-46, Tabletop 090605025-0048	Bldg 12, Room 181	Green Non-Fibrous Homogeneous		50% Non-fibrous (other)	50% Chrysotile

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Jason McGriff (100)

or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.
Analysis performed by EMSL San Leandro (NVLAP #101048-3)



EMSL Analytical, Inc

2235 Polvorosa Ave , Suite 230, San Leandro, CA 94577

Phone: (510) 895-3675 Fax: 5108953680 Email: mlplitaslab@emsl.com

Attn: **Bill Larkin**
Ninyo & Moore
1956 Webster #400
Oakland, CA 94612

Fax: (510) 633-5646 Phone: (510) 633-5640
Project: **401256001 / CSM, Bldgs 11, 12, 14**

Customer ID: **NOMO22**
Customer PO: **401256001**
Received: **10/02/06 8:00 AM**
EMSL Order: **090605025**

EMSL Proj:
Analysis Date: **10/2/2006**
Report Date: **10/3/2006**

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-47, Tabletop <i>090605025-0049</i>	Bldg 12, Room 170	Green Non-Fibrous Homogeneous		50% Non-fibrous (other)	50% Chrysotile
ASB-12-48-A, Floor tile <i>090605025-0050</i>	Bldg 12, Room 171, floor	Green Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
ASB-12-48-B, Floor tile mastic <i>090605025-0050A</i>	Bldg 12, Room 171, floor	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
ASB-12-48-C, Level compound <i>090605025-0050B</i>	Bldg 12, Room 171, floor	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-49-A, Cove <i>090605025-0051</i>	Bldg 12, Room 171	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-49-B, Cove mastic <i>090605025-0051A</i>	Bldg 12, Room 171	Brown, Yellow Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
			Other fibers present with optical properties not consistent with regulated asbestos. Recommended confirmation by TEM.		
ASB-12-50-A, Plaster <i>090605025-0052</i>	Bldg 12, Room 174, wall	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

Jason McGriff (100)

or other approved signatory

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Phone: (510) 895-3675 Fax: 5108953680 Email: mlipitaslab@emsl.com

Attn: **Bill Larkin**
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1956 Webster #400
Oakland, CA 94612

Customer ID: NOMO22
Customer PO: 401256001
Received: 10/02/06 8:00 AM
EMSL Order: 090605025

Fax: (510) 633-5646 Phone: (510) 633-5640
Project: 401256001 / CSM, Bldgs 11, 12, 14

EMSL Proj:
Analysis Date: 10/2/2006
Report Date: 10/3/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-50-B, Surfacing 090605025-0052A	Bldg 12, Room 174, wall	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-51, Roof mastic 090605025-0053	Bldg 12, Roof, Roof edge	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-52, Roof penetration mastic 090605025-0054	Bldg 12, Roof, Roof edge				Not Submitted
ASB-12-53-A, Roofing, 1 090605025-0055	Bldg 12, Roof, Roof field along edges	Black, White Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
ASB-12-53-B, Roofing, 2 090605025-0055A	Bldg 12, Roof, Roof field along edges	Black Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
ASB-12-54-A, Roofing, 1 090605025-0056	Bldg 12, Roof, Roof field at drainages	Black, White Fibrous Heterogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
ASB-12-54-B, Roofing, 2 090605025-0056A	Bldg 12, Roof, Roof field at drainages	Black Fibrous Heterogeneous	2% Cellulose 2% Glass	96% Non-fibrous (other)	None Detected

Analyst(s)

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or other approved signatory

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EMSL Proj:
Analysis Date: 10/2/2006
Report Date: 10/3/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-54-C, Roofing, 3 090605025-0056B	Bldg 12, Roof, Roof field at drainages	Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (other)	None Detected
ASB-12-54-D, Roofing, 4 090605025-0056C	Bldg 12, Roof, Roof field at drainages	Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (other)	None Detected
ASB-12-55, Roofing 090605025-0057	Bldg 12, Roof, Roofing at air handler fence	Black, Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
ASB-12-56, Roof sealant 090605025-0058	Bldg 12, Walkway roof, top covered between 11 & 12	Black, Gray Non-Fibrous Heterogeneous		90% Non-fibrous (other)	10% Chrysotile
ASB-12-57, Roof sealant 090605025-0059	Bldg 12, Walkway roof, top covered between 11 & 12	Tan, Gray Non-Fibrous Heterogeneous		90% Non-fibrous (other)	10% Chrysotile
ASB-12-58-A, Base mastic, 1 090605025-0060	Bldg 12, Roof, Air handler systems	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
ASB-12-58-B, Base mastic, 2 090605025-0060A	Bldg 12, Roof, Air handler systems	Black Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected

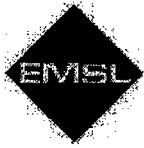
Analyst(s)

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or other approved signatory

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EMSL Proj:
Analysis Date: 10/2/2006
Report Date: 10/3/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-59, Chalkboard mastic 090605025-0061	Bldg 12, Behind chalkboard, on wall	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
ASB-12-19-A 090605025-0062		Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected
			Sample labeled as duplicated of 19.		
ASB-12-19-B, Mastic 090605025-0062A		Brown Non-Fibrous Homogeneous	2% Min. Wool	98% Non-fibrous (other)	None Detected
			Sample labeled as duplicated of 19.		
ASB-12-51-A, Mastic 090605025-0063		Gray Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
			Sample labeled as duplicated of 51.		
ASB-12-51-B, Mastic 090605025-0063A		White Non-Fibrous Homogeneous		99% Non-fibrous (other)	1% Chrysotile
			Sample labeled as duplicated of 51.		

Analyst(s)

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Analysis performed by EMSL San Leandro (NVLAP #101048-3)

90605025

EMSL San Leandro • 2235 Polvorosa Ave, Ste 230, San Leandro CA 94577

EMSL ANALYTICAL, Inc.

CHAIN OF CUSTODY

WWW.EMSL.COM

EMSL Rep:	Kelley West	Third Party Billing	*requires written authorization from third party
Company:	Ninyo & Moore	EMSL-Bill to:	
Contact:	Charles Moore BILL LARKIN	Contact:	
Address:	1956 Webster Street, Suite 400	Address:	
City & State:	Oakland, CA Zip 94612	City & State:	Zip
Phone:	510-633-5640	Fax:	510/633-5646
<input checked="" type="checkbox"/> Email Results	wlarkin@ninyoandmoore.com	<input checked="" type="checkbox"/> Fax results	
Project Name or Number:	401256001	Purchase Order Number:	

TURNAROUND TIME

3 Hours 4 Hours 12 Hours 24 Hours 48 Hours 72 Hours 4 Days 5 Days 6-10 Days

SAMPLE MATRIX

Air Bulk Soil Wipe Micro-Vac Drinking Water Wastewater Chips Other

ASBESTOS ANALYSIS

PCM - Air

NIOSH 7400 (A) Issue 2: August 1994

OSHA W/TWA

TEM AIR

AHERA 40 CER, Part 763 Subpart E

NIOSH 7402 Issue 2

EPA Level II

PLM - Bulk

EPA 600/P-93/116

NY Stratified Point Count

CARB 435 Level: A B C D E

NIOSH 9002

PLM NOB (Gravimetric) NYS 198.1

EPA Point Count (400 Points)

EPA Point Count (1,000 Points)

Standard Addition Point Count

SOILS

EPA Protocol Qualitative Quantitative

CARB 435 Level: A B C D E

EMSL MSD 9000 Method fibers/gram

Superfund EPA 540-R097-028 (dust generation)

TEM BULK

Drop Mount (Qualitative)

Charfield SOP-1988-02

TEM NOB (Gravimetric) NY 198.4

TEM MICROVAC

ASTM D 5735-95 (Quantitative)

TEM WIPE

ASTM D-6480-99

Qualitative

TEM WATER

EPA 100.1

EPA 100.2

NYS 198.2

OTHER:

LEAD ANALYSIS

Flame Atomic Absorption

Wipe, SW846-7420 ASTM non ASTM

Soil, SW846-7420

Air, NIOSH 7082

Chips, SW846-7420 or AOC 5.009 (974.02)

Wastewater, SW 846-7420

TCLP LEAD SW846-1311/7420

Graphite Furnace Atomic Absorption

Air, NIOSH 7105

Wastewater, SW846-7421

Soil, SW846-7421

Drinking Water, EPA 239.2

ICP - Inductively Coupled Plasma

Wipe, SW846-6010 ASTM non ASTM

Soil, SW846-6010

Air, NIOSH 7300

MATERIALS ANALYSIS

Full Particle Identification

Optical Particle Identification

Dust Mites and Insect Fragments

Particle Size & Distribution

Product Comparison

Paint Characterization

Failure Analysis

Corrosion Analysis

Glove Box Containment Study

Petrographic Examination of Concrete

Portland Cement in Workplace Atmospheres (OSHA ID-143)

Man Made Vitreous Fibers - MMVF's

Synthetic Fiber Identification

Other:

MICROBIAL ANALYSIS

Air Samples

Mold & Fungi by Air O Cell

Mold & Fungi by Agar Plate count & id

Bacterial Count and Gram Stain

Bacterial Count and Identification

Water Samples

Total Coliforms, Fecal Coliforms

Escherichia Coli, Fecal Streptococcus

Legionella

Salmonella

Giardia and Cryptosporidium

Wipe and Bulk Samples

Mold & Fungi - Direct Examination

Mold & Fungi - (Culture follow up to direct examination if necessary)

Mold & Fungi - Culture (Count & ID)

Mold & Fungi - Culture (Count only)

Bacterial Count & Gram Stain

Bacterial Count & Identification (3 most prominent types)

Other:

IAQ ANALYSIS

Nuisance Dust (NIOSH 0500 & 0600)

Airborne Dust (PM10, TSP)

Silica Analysis by XRD Niosh 7500

HVAC Efficiency

Carbon Black

Airborne Oil Mist

Other:

Client Sample # (S) _____ TOTAL SAMPLE # 61

Relinquished: William P. Larkin Date: 9/29/06 Time: 1500

Received: _____ Date: 10/2/06 Time: 80-1/E

Relinquished: _____ Date: _____ Time: _____

Received: _____ Date: _____ Time: _____

90605025

EMSL San Leandro • 2235 Polvorosa Ave, Ste 230, San Leandro CA 94577

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME Air (L) Area (Inches sq)
P/S see Chain of Custody	included with samples	

Relinquished: _____ Date: _____ Time: _____
Received: _____ Date: _____ Time: _____
Relinquished: _____ Date: _____ Time: _____
Received: _____ Date: _____ Time: _____

ASBESTOS BULK SAMPLE DATA SHEET

00605025

Sheet 1 of 1

Ninyo & Moore
 1956 Webster St., #400
 Oakland, CA 94612
 Tel: (510) 633-5840
 Fax: (510) 633-5846

Project Name: *Capitol Plaza 11/2/14*
 Project No.: *401256001*
 Project Manager: *WJZ*
 Site Address: *CGMA*

Sampled By: *Jim Klumbe*
 Sampled By:
 Sampled By:
 Date Sampled: *9/25/06*

Laboratory: *EMSL*
510 Kings 3025

CHAIN OF CUSTODY INFORMATION

Relinquished By: (signature)	Company	Date	Time (24 hr)	Received By: (signature)	Laboratory		
<i>William R. Larkin</i>	Ninyo & Moore	<i>9/25/06</i>	<i>1500</i>				
<i>William R. Larkin</i>							
Sample ID	Building Number	Room Number	Sample Location	Sample Description	Quantity (S/LIFE)	Enable (Y/N)	Condition
ASB - 12-01	12	85		<i>dark green base + brown waste</i>		N	
ASB - 12-02	12	85					
ASB - 12-03	12	85		<i>gray 12x12 + white joint</i>	<i>529F</i>	N	
ASB - 12-04	12	85					
ASB - 12-05	12	85		<i>dark gray 9x9 VET + black waste</i>			
ASB - 12-06	12	82					
ASB - 12-07	12	85		<i>black tile/step</i>	<i>395F</i>	N	
ASB - 12-08	12	85					
ASB - 12-09	12	82					
ASB - 12-10	12	79					
ASB - 12-11	12	101					
ASB - 12-12	12	176					
ASB - 12-13	12	79					
ASB - 12-14	12	82		<i>white skirting on concrete wall</i>			
ASB - 12-15	12	79					

24 12-14-06 WJZ

ASBESTOS BULK SAMPLE DATA SHEET

90605025

Sheet 2 of 4

24 88 hr 787

Ninyo & Moore
 1956 Webster St., #400
 Oakland, CA 94612
 Tel: (510) 633-5640
 Fax: (510) 633-5846

Project Name: CSM Bldgs. 11/23/14
Project No.: 401286001
Project Manager: WML
Site Address: CSM

Sampled By: JSK
Sampled By:
Sampled By:
Date Sampled: 9/28/06

Laboratory:
 EMRL
 510/895-3635

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (signature)	Company	Date	Time (hrs)	Received By: (signature)	Laboratory		
<i>William P. Zankin</i>	Ninyo & Moore	9/28/06	1800				
<i>William P. Zankin</i>							
Sample ID	Building Number	Room Number	Sample Location	Sample Description	Quantity (SF/LFE)	Friable (Y/N)	Condition
ASB - 12-16	12	82	wall				
ASB - 12-17	12	85	wall				
ASB - 12-18	12	Restroom	ceiling 1st Fl. Faculty Rest Men	1x1 acoustical tile			
ASB - 12-19	12	"	"	black, brown + red mastic/polynastics			
ASB - 12-20	12	"	"				
ASB - 12-21	12	Restroom	1st Floor Men's ceiling	1x1 acoustical tile + brown mastic			
ASB - 12-22	12	79		white scotch/paint + plaster			
ASB - 12-23	12	82	wall	white scotch/paint + plaster			
ASB - 12-24	12	85	wall				
ASB - 12-25	12	85	wall				
ASB - 12-26	12	82	wall	yellow scotch/paint + plaster			
ASB - 12-27	12	49	window frame	black window putty			
ASB - 12-28	12	49	window frame	black window putty			
ASB - 12-29	12	79	wall		15 BT		
ASB - 12-30	12	Hall	floor	dark grey epoxy VET + black mastic			

ASBESTOS BULK SAMPLE DATA SHEET

9 0 6 0 5 0 2 5

Sheet 3 of 4

Ninyo & Moore
 1956 Webster St., #400
 Oakland, CA 94612
 Tel: (510) 633-5640
 Fax: (510) 633-5646

Project Name: *GMV/Bldgs 1/12/14*
Project No.: *401256001*
Project Manager: *NPL*
Site Address:

Sampled By: *JJK*
Sampled By:
Sampled By:
Date Sampled: *9/28/16*

Laboratory:
*EMSL 3675
 850 9th St. S.W.*

CHAIN OF CUSTODY INFORMATION

Sample ID	Building Number	Room Number	Company	Date	Time (hr)	Received By: (sign/print)	Quantity (SEALS)	Frangible (Y/N)	Corrosion
<i>William B. Larkin</i>			Ninyo & Moore	<i>9/28/16</i>	<i>1600</i>				
<i>William B. Larkin</i>									
ASB-12-31A	12	Restroom	1st Floor Women's			light gray floor tile + gray grout			
ASB-12-32A	12	"	"			white wall tile + light reddish adhesive			
ASB-12-31B	12	"	"			black wall base + clear adhesive			
ASB-12-37B	12	"	1st Floor Men's			light gray floor tile + gray grout			
ASB-12-38	12	"	"			white wall tile + light reddish adhesive			
ASB-12-34	12	"	Wall			off white scrub/paint, plaster			
ASB-12-35	12	101				green table top			
ASB-12-36	12	101	Floor			dark gray 2x2 VFT + black mastic			
ASB-12-37	12	101	Wall base area			olive green base + brown mastic			
ASB-12-38	12	101	Wall			white 1x1 acoustical + brown adhesive			
ASB-12-39	12	100				green table top			
ASB-12-40	12	100							
ASB-12-41	12	100	Wall base area			olive green base + brown mastic			
ASB-12-42	12	Hall	entrance			white 2x4 ACCT			
ASB-12-43	12	101				granite top			

ASBESTOS BULK SAMPLE DATA SHEET

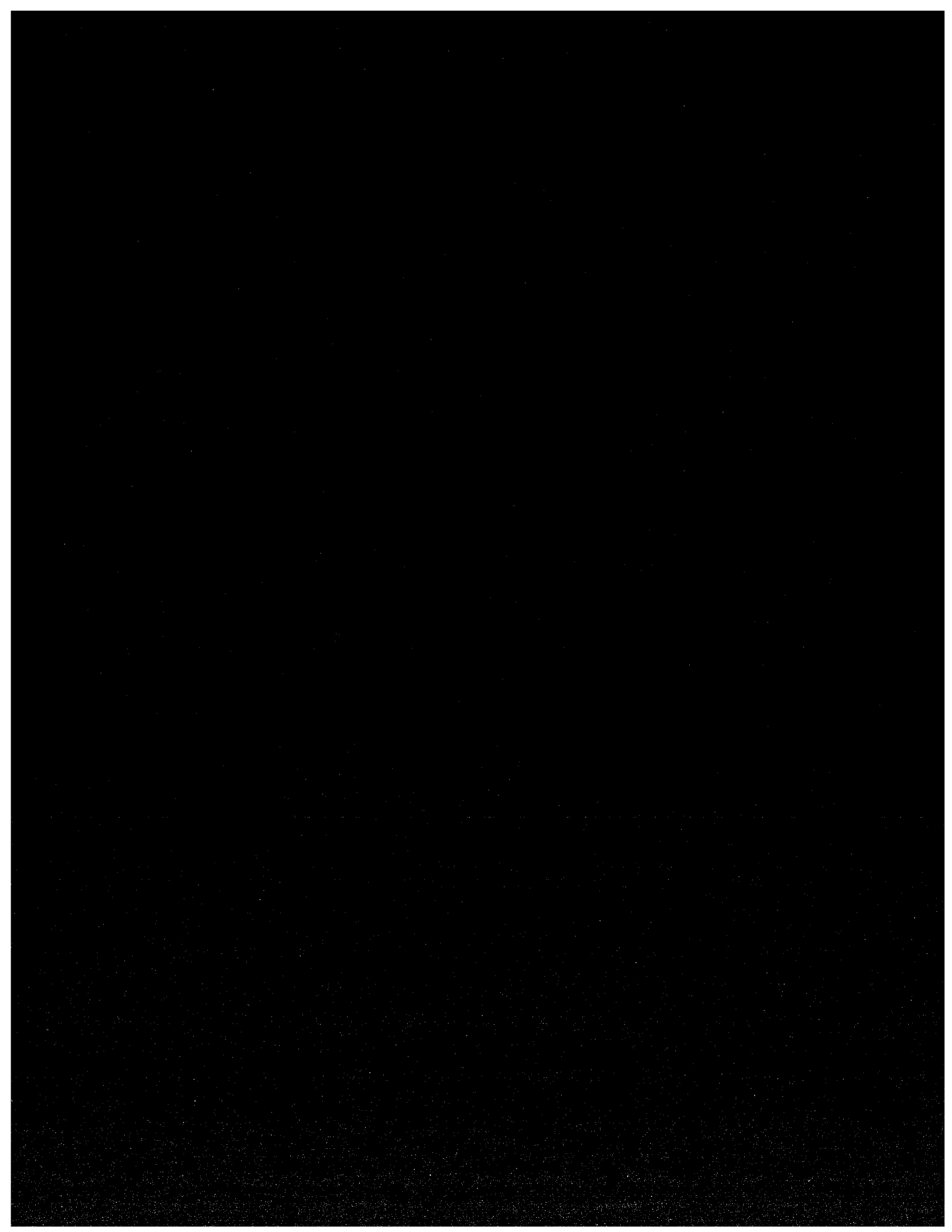
90605025

Sheet # 1

Project Name: *GM/Bldgs. 16/25/14*
Project No.: *4707256007*
Project Manager: *WPL*
Site Address: *GM*
Building: *12*
Room Number: *181*
Company: *Ninoy & Moore*
Date: *9/28/16*
Time (hr): *1500*
Received By: (signature)
Quantity (SE/TFE):
Condition:
Laboratory: *EMRL 3075
610 895-3625*

Sample ID	Building Number	Room Number	Sample Location	Company	Date	Time (hr)	Received By: (signature)	Quantity (SE/TFE)	Condition
ASB-12-44	12	181	wall	Ninoy & Moore	9/28/16	1500			
ASB-12-45	12	179							
ASB-12-46	12	181							
ASB-12-47	12	180							
ASB-12-48	12	171	floor						
ASB-12-49	12	171							
ASB-12-50	12	179	wall						
ASB-12-51	12	Roof	Roof edge						
ASB-12-52	12	Roof	Roof edge						
ASB-12-53	12	Roof	Roof field along edges						
ASB-12-54	12	Roof	Roof field at drainages						
ASB-12-55	12	Roof	Roofing at air handler fence						
ASB-12-56	12	Walkway Roof	Top of covered walkway between 11+12						
ASB-12-57	12	↓	↓						
ASB-12-58	12	Roof	Roofing at air handler roof seam						
ASB-12-59	12	181	Behind Chalkboard, on wall						

yellow scratch/paint + plaster
green alkali top
olive green floor tile + black mastic + bond
brown base course + brown adhesive
yellow scratch/paint + plaster
black roof mastic
gray/white roof penetration mastic
Roofing layers
Roofing layers
Roofing
Walkway Roof Sealant, black
white
Air handler base sealant layers
Black chalkboard mastic





EMSL Analytical, Inc

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Attn: **Bill Larkin**
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1956 Webster
Suite 400
Oakland, CA 94612

Customer ID: +00NINY1
Customer PO: 401256001
Received: 10/02/06 12:00 PM
EMSL Order: 090605024

Fax: (510) 633-5646 Phone: (510) 633-5640
Project: 401256001 / CSM, Bldgs 11, 12, 14

EMSL Proj:
Analysis Date: 10/2/2006
Report Date: 10/3/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-11-01, 9x9 VFT 090605024-0001	Bldg 11, Room 41, Floor near doorway	Brown Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
ASB-11-02, Mastic assoc with ASB-11-01 090605024-0002	Bldg 11, Room 41, Floor near doorway	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
ASB-11-03, Linoleum 090605024-0003	Bldg 11, Room 30, Floor near doorway	Brown Non-Fibrous Heterogeneous	15% Cellulose	50% Non-fibrous (other)	35% Chrysotile
ASB-11-04, Mastic assoc with ASB-11-03 090605024-0004	Bldg 11, Room 30, Floor near doorway	Yellow Non-Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
ASB-11-05, 9x9 VFT 090605024-0005	Bldg 11, Room 52, Floor	Brown Non-Fibrous Homogeneous		99% Non-fibrous (other)	1% Chrysotile
ASB-11-06, Mastic assoc with ASB-11-05 090605024-0006	Bldg 11, Room 52, Floor	Black Non-Fibrous Homogeneous		90% Non-fibrous (other)	10% Chrysotile

Analyst(s)

Jason McGriff (26)

or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.
Analysis performed by EMSL San Leandro (NVLAP #101048-3)



EMSL Analytical, Inc

2235 Polvorosa Ave , Suite 230, San Leandro, CA 94577

Phone: (510) 895-3675 Fax: 5108953680 Email: milpitaslab@emsl.com

Attn: **Bill Larkin
Ninyo & Moore
1956 Webster
Suite 400
Oakland, CA 94612**

Customer ID: +00NINY1
Customer PO: 401256001
Received: 10/02/06 12:00 PM
EMSL Order: 090605024

Fax: (510) 633-5646 Phone: (510) 633-5640
Project: 401256001 / CSM, Bldgs 11, 12, 14

EMSL Proj:
Analysis Date: 10/2/2006
Report Date: 10/3/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-11-07, Linoleum 090605024-0007	Bldg 11, Room 31, Floor near doorway	Brown Fibrous Heterogeneous	15% Cellulose	50% Non-fibrous (other)	35% Chrysotile
ASB-11-08, Mastic assoc with ASB-11-07 090605024-0008	Bldg 11, Room 31, Floor near doorway	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
ASB-11-09, 9x9 VFT 090605024-0009	Bldg 11, Room 139, Floor	Brown Non-Fibrous Homogeneous		99% Non-fibrous (other)	1% Chrysotile
ASB-11-10, Mastic assoc with ASB-11-09 090605024-0010	Bldg 11, Room 139, Floor	Black Non-Fibrous Homogeneous		90% Non-fibrous (other)	10% Chrysotile
ASB-11-11, 9x9 VFT 090605024-0011	Bldg 11, Room 141, Floor	Brown Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
ASB-11-12, Mastic assoc with ASB-11-01 090605024-0012	Bldg 11, Room 141, Floor	Black Non-Fibrous Homogeneous		90% Non-fibrous (other)	10% Chrysotile

Analyst(s)

Jason McGriff (26)

or other approved signatory

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Analysis performed by EMSL San Leandro (NVLAP #101048-3)



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Attn: **Bill Larkin**
Ninyo & Moore
1956 Webster
Suite 400
Oakland, CA 94612

Customer ID: +00NINY1
Customer PO: 401256001
Received: 10/02/06 12:00 PM
EMSL Order: 090605024

Fax: (510) 633-5646 Phone: (510) 633-5640
Project: 401256001 / CSM, Bldgs 11, 12, 14

EMSL Proj:
Analysis Date: 10/2/2006
Report Date: 10/3/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-14-01, 9x9 VFT 090605024-0013	Bldg 14, Room 109, Floor	Gray Non-Fibrous Homogeneous		99% Non-fibrous (other)	1% Chrysotile
ASB-14-02, Mastic assoc with ASB-14-01 090605024-0014	Bldg 14, Room 109, Floor	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
ASB-14-03, 9x9 VFT 090605024-0015	Bldg 14, Room 105, Floor	Gray Non-Fibrous Homogeneous		99% Non-fibrous (other)	1% Chrysotile
ASB-14-04, Mastic assoc with ASB-14-03 090605024-0016	Bldg 14, Room 105, Floor	Black Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
ASB-14-05, 9x9 VFT 090605024-0017	Bldg 14, Room 206, Floor	Gray Non-Fibrous Homogeneous		99% Non-fibrous (other)	1% Chrysotile
ASB-14-06, Mastic assoc with ASB-14-05 090605024-0018	Bldg 14, Room 206, Floor	Black Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile

Analyst(s)

Jason McGriff (26)

or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

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EMSL Analytical, Inc

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Phone: (510) 895-3675 Fax: 5108953680 Email: milpitaslab@emsl.com

Attn: **Bill Larkin**
Ninyo & Moore
1956 Webster
Suite 400
Oakland, CA 94612

Customer ID: +00NINY1
Customer PO: 401256001
Received: 10/02/06 12:00 PM
EMSL Order: 090605024

Fax: (510) 633-5646 Phone: (510) 633-5640
Project: 401256001 / CSM, Bldgs 11, 12, 14

EMSL Proj:
Analysis Date: 10/2/2006
Report Date: 10/3/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-14-07, 9x9 VFT 090605024-0019	Bldg 14, Hallway, Floor	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
ASB-14-08, Mastic assoc with ASB-14-07 090605024-0020	Bldg 14, Hallway, Floor	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
ASB-10-01, Wallboard 090605024-0021	Bldg 10, Room 123, Above ceiling	White Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
No apparent joint compound present on submitted sample.					
ASB-12-100, Wallboard 090605024-0022	Bldg 12, Room 82, Above ceiling	White Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
No apparent joint compound present on submitted sample.					
ASB-12-101, 2x4 Acoustical ceiling tile 090605024-0023	Bldg 12, Ground floor hallway, ground floor hallway	Brown Fibrous Heterogeneous	95% Min. Wool	5% Non-fibrous (other)	None Detected
ASB-12-102, Pipe TSI and cover 090605024-0024	Bldg 12, Hall, Ground floor hallway	Yellow Fibrous Heterogeneous	95% Min. Wool	5% Non-fibrous (other)	None Detected

Analyst(s)

Jason McGriff (26)

or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Analysis performed by EMSL San Leandro (NVLAP #101048-3)



EMSL Analytical, Inc

2235 Polvorosa Ave , Suite 230, San Leandro, CA 94577

Phone: (510) 895-3675 Fax: 5108953680 Email: milpitaslab@emsl.com

Attn: **Bill Larkin**
Ninyo & Moore
1956 Webster
Suite 400
Oakland, CA 94612

Customer ID: +00NINY1
Customer PO: 401256001
Received: 10/02/06 12:00 PM
EMSL Order: 090605024

Fax: (510) 633-5646 Phone: (510) 633-5640
Project: 401256001 / CSM, Bldgs 11, 12, 14

EMSL Proj:
Analysis Date: 10/2/2006
Report Date: 10/3/2006

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Location	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
ASB-12-103, Pipe TSI and cover 090605024-0025	Bldg 12, Hall, Ground floor hallway	Yellow Fibrous Heterogeneous	95% Min. Wool	5% Non-fibrous (other)	None Detected
ASB-12-104 090605024-0026	Bldg 12, Hall, Ground floor hallway	Yellow Fibrous Heterogeneous	95% Min. Wool	5% Non-fibrous (other)	None Detected

Analyst(s)

Jason McGriff (26)

or other approved signatory

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Analysis performed by EMSL San Leandro (NVLAP #101048-3)

90605024

EMSL San Leandro • 2235 Polvorosa Ave, Ste 230, San Leandro CA 94577

EMSL ANALYTICAL, Inc.

CHAIN OF CUSTODY

WWW.EMSL.COM

EMSL Rep:	Kelley West	Third Party Billing	<i>Requires written authorization from third party</i>
Company:	Ninvo & Moore	EMSL-Bill to:	
Contact:	<i>Bill Laren</i>	Contact:	
Address:	1956 Webster Street, Suite 400	Address:	
City & State:	Oakland, CA Zip 94612	City & State:	Zip
Phone:	510-633-5640	Fax:	510/633-5646
<input checked="" type="checkbox"/> Email Results	<i>blaren@ninvoandmoore.com</i>	<input checked="" type="checkbox"/> Fax results	
Project Name or Number:	<i>401256001</i>	Purchase Order Number:	

TURNAROUND TIME

3 Hours 4 Hours 12 Hours 24 Hours 72 Hours 4 Days 5 Days 6-10 Days

SAMPLE MATRIX

Air Bulk Soil Wipe Micro-Yac Drinking Water Wastewater Chips Other

ASBESTOS ANALYSIS

- PCM - Air**
- NIOSH 7460 (A) Issue 2: August 1994
 - OSHA WTWA
- TEM AIR**
- AHERA 40 CFR, Part 763 Subpart B
 - NIOSH 7402 Issue 2
 - EPA Level II
- PLM - Bulk**
- EPA 600/R-93/116
 - NY Standard Point Count
 - CARD 435 Level: A B C D E
 - NIOSH 9002
 - PLM NOB (Gravimetric) NYS 198.1
 - EPA Point Count (400 Points)
 - EPA Point Count (1,000 Points)
 - Standard Addition Point Count

- SOILS**
- EPA Protocol Qualitative Quantitative
 - CARD 435 Level: A B C D E
 - EMSL MSD 9000 Method fibers/gram
 - Superfund EPA 540-R097-028 (dust generation)

- TEM BULK**
- Drop Mount (Qualitative)
 - Chatfield SOP-1988-02
 - TEM NOB (Gravimetric) NY 198.4

- TEM MICROVAC**
- ASTM D 5755-95 (Quantitative)

- TEM WIPE**
- ASTM D-6480-99
 - Qualitative

- TEM WATER**
- EPA 100.1
 - EPA 100.2
 - NYS 198.2

OTHER:

LEAD ANALYSIS

- Flame Atomic Absorption**
- Wipe, SW846-7420 ASTM non ASTM
 - Soil, SW846-7420
 - Air, NIOSH 7082
 - Chips, SW846-7420 or AOAC 5.009 (974.02)
 - Wastewater, SW 846-7420
 - TCLP LEAD SW846-1311/7420
- Graphite Furnace Atomic Absorption**
- Air, NIOSH 7105
 - Wastewater, SW846-7421
 - Soil, SW846-7421
 - Drinking Water, EPA 239.2
- ICP - Inductively Coupled Plasma**
- Wipe, SW846-6010 ASTM non ASTM
 - Soil, SW846-6010
 - Air, NIOSH 7300

MATERIALS ANALYSIS

- Full Particle Identification
- Optical Particle Identification
- Dust Mites and Insect Fragments
- Particle Size & Distribution
- Product Comparison
- Paint Characterization
- Failure Analysis
- Corrosion Analysis
- Glove Box Containment Study
- Petrographic Examination of Concrete
- Portland Cement in Workplace Atmospheres (OSHA ID-143)
- Man Made Vitreous Fibers - MMVF's
- Synthetic Fiber Identification
- Other:

MICROBIAL ANALYSIS

- Air Samples**
- Mold & Fungi by Air O Cell
 - Mold & Fungi by Agar Plate count & id
 - Bacterial Count and Gram Stain
 - Bacterial Count and Identification
- Water Samples**
- Total Coliforms, Fecal Coliforms
 - Escherichia Coli, Fecal Streptococcus
 - Legionella
 - Salmonella
 - Giardia and Cryptosporidium
- Wipe and Bulk Samples**
- Mold & Fungi - Direct Examination
 - Mold & Fungi - (Culture follow up to direct examination if necessary)
 - Mold & Fungi - Culture (Count & ID)
 - Mold & Fungi - Culture (Count only)
 - Bacterial Count & Gram Stain
 - Bacterial Count & Identification (3 most prominent types)
 - Other:

IAQ ANALYSIS

- Nuisance Dust (NIOSH 0500 & 0600)
- Airborne Dust (PM10, TSP)
- Silica Analysis by XRD NIOSH 7500
- HVAC Efficiency
- Carbon Black
- Airborne Oil Mist
- Other:

Client Sample # (S)

TOTAL SAMPLE #

26

Relinquished:
Received:
Relinquished:
Received:

[Signature]

Date:
Date:
Date:
Date:

9/29/06
10/2/06

Time:
Time:
Time:
Time:

1500
30-0/8

ASBESTOS BULK SAMPLE DATA SHEET

90605024

24 ~~hr~~ TAP

Sheet 1 of 2

Niryo & Moore
 1956 Webster St., #400
 Oakland, CA 94612
 Tel: (510) 633-5640
 Fax: (510) 633-5646

Project Name: CSM Bldgs 11, 12, 14
Project No.: 401253001
Project Manager: WPL
Site Address: CSM

Sampled By: WPL/JGR
Sampled By:
Sampled By: 9/29/06
Date Sampled:

Laboratory:
 EMSL
 (510) 895-2600
 8625

CHAIN OF CUSTODY INFORMATION

Sample ID	Building Number	Room Number	Sample Location	Date	Company	Time (hr)	Received By (signature)	Quantity (SF/LF/E)	Frangible (Y/N)	Condition	Laboratory
ASB-11-01	11	41	Floor near driveway	9/29/06	Niryo & Moore	150					
ASB-11-02	11	41	" "								
ASB-11-03	11	30	Floor near driveway								
ASB-11-04	11	30	" "								
ASB-11-05	11	52	Floor								
ASB-11-06	11	52	Floor								
ASB-11-07	11	31	Floor near driveway								
ASB-11-08	11	31	" "								
ASB-11-09	11	139	Floor								
ASB-11-10	11	139	Floor								
ASB-11-11	11	141	Floor								
ASB-11-12	11	141	Floor								
ASB-14-01	14	109	Floor								
ASB-14-02	14	109	Floor								
ASB											

Asbestos Sample

24 ~~hr~~ TAP

ASBESTOS BULK SAMPLE DATA SHEET

24-110-107 90605024

Sheet 2 of 3

Ninyo & Moore
 1956 Webster St. #400
 Oakland, CA 94612
 Tel: (510) 633-5540
 Fax: (510) 633-5546

Project Name: *87M/ASB/9/13/14*
 Project No.: *4012556.004*
 Project Manager: *WJZ*
 Site Address: *COM*

Sampled By: *WJZ/JSK*
 Sampled By:
 Sampled By:
 Date Sampled: *9/28/06*

LABORATORY:

*EMSL 3575
 (510) 895-2228*

CHAIN OF CUSTODY INFORMATION

Sample ID	Building Number	Room Number	Company	Date	Time (hr)	Sample Location	Sample Description	Quantity (SAMPLE)	Triable (MIN)	Condition	Laboratory
ASB-14-03	14	105	Ninyo & Moore	9/28/06	1500	Floor when Descending	9 x 9 Gray VET w/white flecks				
ASB-14-04	14	105				" "	massive mass. of ASB-14-03				
ASB-14-05	14	206				Floor	9 x 9 Gray VET w/white flecks				
ASB-14-06	14	206				Floor	massive mass. of ASB-14-05				
ASB-14-07	14	Hallway				Floor	9 x 9 Gray VET w/white flecks				
ASB-14-08	14	Hallway				Floor	massive mass. of ASB-14-07				
ASB-10-01	10	Rm 123				Above ceiling	Broken board/panelboard				
ASB-12-100	12	Rm 8				Above ceiling	Broken board/panelboard				
ASB-12-101	12	Ground Floor				Hallway	2 x 4" lay-in ASD				
ASB-12-102	12	Hall				Hallway	Pipe TSI w/cover				
ASB-12-103	12	Hall				Hallway	Piping TSI & cover				
ASB-12-104	12	Hall				Hallway					
ASB											
ASB											
ASB											

Retrieved By: (signature)

Received By: (signature)

Laboratory

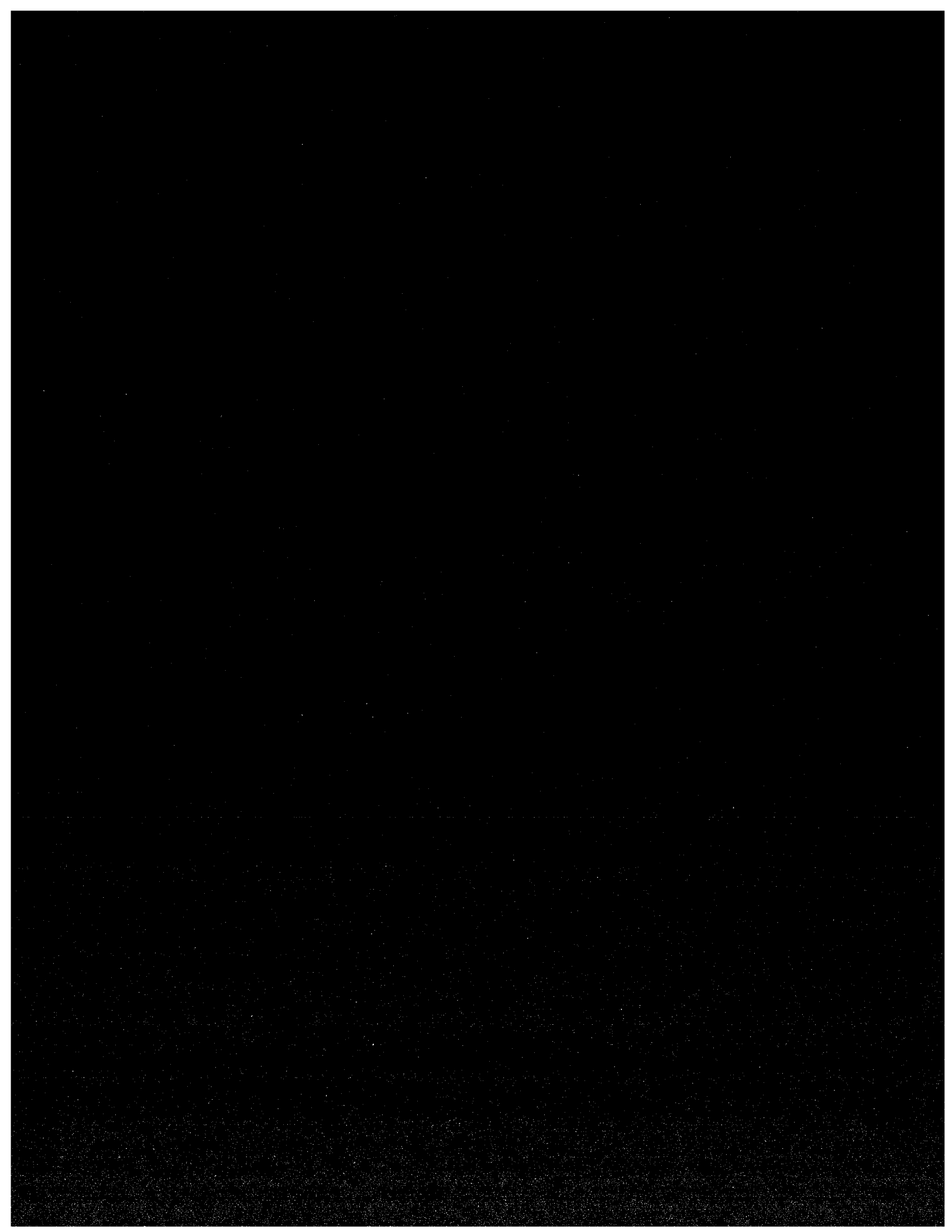
Quantity (SAMPLE)

Triable (MIN)

Condition

Laboratory

24-110-107





LA Testing

159 Pasadena Avenue, South Pasadena, CA 91030

Phone: (323) 254-9960 Fax: (323) 254-9982 Email: pasadenalab@latesting.com

Attn: **Bill Larkin**
Ninyo & Moore
1956 Webster-#400
Oakland, Ca 94612

Fax: (510) 633-5646 Phone: (510) 633-5640
 Project: 401256001 / CSM-Bldg 12

Customer ID: 32NOMO22
 Customer PO:
 Received: 10/02/06 3:00 PM
 LA Testing Order: 320613056

LA Testing Proj:
 Report Date: 10/3/2006

Lead in Paint Chips by Flame AAS (SW 846 3050B and 7420*)

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
LBP-12-01	0001	10/2/2006	10/3/2006	1.60 % wt
Root HVAC Equipment				
LBP-12-02	0002	10/2/2006	10/3/2006	0.22 % wt
Ground Floor Men's Restroom				
LBP-12-03	0003	10/2/2006	10/3/2006	<0.01 % wt
1st Floor-Ext Wall				
LBP-12-04	0004	10/2/2006	10/3/2006	0.21 % wt
Ground Floor Hallway				

or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

ACCREDITATIONS: California State DHS #2283, AIHA #102814 and Cal ELap #2283

320613056

24M DAT

LEAD BASED PAINT BULK SAMPLE DATA SHEET

Ninyo & Moore
 1956 Webster Street, Suite 400
 Oakland, CA 94612
 510-633-5640
 510-633-5646 (fax)

Project Name: 85M- Bldg 12
Project No.: 401256001
Project Manager: WPL
APN:
Site Address: Bldg 12

Sampled By: WPL
Sampled By:
Sampled By: 10/2/06
Date Sampled:

Laboratory:

EM82

Tel:
Fax:

CHAIN OF CUSTODY INFORMATION:

Relinquished By: (signature) *[Signature]*

Company: Ninyo & Moore

Date: 10/2/06

Time(s): 1500

Received By: (signature) *[Signature]*

Laboratory

Lab ID	Sample ID	Building Number	Sample Location	Building Component	Sample Description (Color / Layers / Substrate)	Estimated Surface Area	Condition
	LBP-12-01	12	Roof HVAC Equipment	metal siding	tan / 2 / metal		POOR / Intact
	LBP-12-02	12	Ground Floor Men's Restroom	Wall	Beige / 2 / plaster		Intact
	LBP-12-03	12	1st floor - exterior wall	Wall	Beige / 2 / concrete		Intact
	LBP-12-04	12	Ground Floor Hallway	Wall	Beige / 2 / concrete		Intact

Samples Accepted for Analysis By LA Testing

Asbestos • Lead • Environmental • Materials & Indoor Air Analysis

LA Testing

<http://www.latesting.com>

159 Pasadena Avenue
South Pasadena, CA 91030
Phone: (323) 254-9960
Fax: (323) 254-9982

FACSIMILE TRANSMITTAL SHEET

TO:	Bill Larkin	FROM:	LA Testing
COMPANY:	Ninyo & Moore	DATE:	10/3/2006
FAX:	(510) 633-5646	PAGES INCLUDING COVER:	3
PHONE:	(510) 633-5640		

RE: Analysis Results for Order **320613056**

The following report covers the analysis performed on samples submitted to LA Testing on 10/2/2006. The samples are for 401256001 / CSM-Bldg 12.

Notice: If you are not the stated recipient of this fax and have received this in error, please discard immediately and contact EMSL Analytical at the phone number listed above.

If you have any questions, please do not hesitate to contact us at (323) 254-9960.

VISIT OUR WEBSITE AT [HTTP://WWW.LATESTING.COM](http://www.latesting.com)
YOU CAN DOWNLOAD AND PRINT
CERTIFICATIONS OF ACCREDITATIONS AND CHAIN OF CUSTODY FORMS

BUILDING 10 - COST ESTIMATE OF IDENTIFIED ASBESTOS-CONTAINING MATERIAL

Building Number	Identified ACBM	Location	Quantity SF/EA	Friable Y/N	ACBM Material Condition	Calculations
10	Gray, Beige and Light Brown 9" x 9" Vinyl Floor Tile and Associated Mastic	Throughout Building 10	21,000 SF	N	Good	x \$ 3.00 \$63,000.00
10	Mastic Associated with Black, Brown, and Olive/Gray Cove Base/Baseboard	Throughout Building 10	2,000 LF	N	Good	x \$ 5.50 \$11,000.00
10	Sink Undercoating/Under Metal Sinks	Room 123	30 SF	N	Good	x \$ 8.00 \$240.00
10	Black Lab/Work Area Desks	Throughout Building 10	2,000 SF	N	Good	x \$ 8.00 \$16,000.00
10	Brown Lab/Work Area Desks	Rooms 101, 103, and 105	450 SF	N	Good	x \$ 8.00 \$3,600.00
10	Transite Panels in Fume Hood Areas	Rooms 7, 11, and 12	2,500 SF	N	Good	x \$ 8.00 \$20,000.00
10	Thermal System Insulation/Associated Elbows on 1-inch Pipe	Rooms 7, 11, 12, and Ground Floor Boiler Room	350 LF	Y	Good	x \$ 17.00 \$5,950.00
10	Elbows Associated with Thermal System Insulation on 1-inch Pipe	Rooms 7, 11, 12, and Ground Floor Boiler Room	45 EA	Y	Good	x \$ 25.00 \$1,125.00
10	Thermal System Insulation on 2-inch Pipe	Exterior Hallway/Corridor Between Building 10 and Building 11 (Lecture Hall)	115 LF	Y	Good	x \$ 17.00 \$1,955.00
10	Elbows Associated with Thermal System Insulation/Associated Elbows on 2-inch Pipe	Exterior Hallway/Corridor Between Building 10 and Building 11 (Lecture Hall)	5 EA	Y	Good	x \$ 25.00 \$125.00
Total Mobilization (Lump Sum)						x \$2,500.00
Total						\$125,495

NOTES:

SF = Square feet

BUILDING 11 - COST REMOVAL ESTIMATE OF IDENTIFIED ASBESTOS-CONTAINING MATERIAL

Building Number	Identified ACBM	Location	Quantity SF/EA	Friable Y/N	ACBM Material Condition	Calculations
11	Beige 9" x 9" Vinyl Floor Tile Associated Mastic	First and second floor hallways and peripheral/outside offices (Rooms 51-62 and Rooms 135-146)	6,000 SF	N	Good	x \$ 3.00 \$18,000.00
11	Brown Mosaic-Patterned Resilient Floor Sheeting and Associated Mastic	Classroom/lecture rooms (Rooms 30-33 and 130-133)	6,500 SF	N	Good	x \$ 5.50 \$35,750.00
		Mobilization (Lump Sum)	0			x \$2,500.00
Total						\$56,250

NOTES:

SF = Square feet

BUILDING 12 - COST REMOVAL ESTIMATE OF IDENTIFIED ASBESTOS-CONTAINING MATERIAL

Building Number	Identified ACBM	Location	Quantity SF/EA	Friable Y/N	ACBM Material Condition	Calculations
12	Gray, Beige 9" x 9" Vinyl Floor Tile and Associated Mastic	Throughout Building 10	21,000 SF	N	Good	x \$ 3.00 \$63,000.00
12	Green Tabletops	Rooms 170, 179, 181, 188, 189 and 191	2,500 SF	N	Good	x \$ 8.00 \$20,000.00
12	Transite Panels in Fume Hood Areas	Rooms 79, 82, and 85	2,500 SF	N	Good	x \$ 8.00 \$20,000.00
12	Black Lab/Work Area Desktops	Rooms 79, 82, 85, 176 and 191	2,000 SF	N	Good	x \$ 8.00 \$16,000.00
12	Olive/Green Tabletops under Transite Fume Hoods	Rooms 79, 82, and 85	750 SF	N	Good	x \$ 8.00 \$6,000.00
12	Thermal System Insulation on 1-inch Pipe	Room 176, Ground Floor Boiler/Mechanical Room, and First Floor Janitor's Room	200 LF	Y	Good	x \$ 17.00 \$3,400.00
12	Elbows Associated with Thermal System Insulation on 1-inch Pipe	Room 176; Ground Floor Boiler/Mechanical Room, and First Floor Janitor's Room	45 EA	Y	Good	x \$ 25.00 \$1,125.00
12	Thermal System Insulation on 2-inch Pipe	Above-ceiling near First Floor Men's/Women's Restrooms	45 LF	Y	Good	x \$ 17.00 \$765.00
12	Thermal System Insulation on 2-inch Pipe	Exterior Hallway/Corridor Between Building 11 (Lecture Hall) and Building 12	115 LF	Y	Good	x \$ 17.00 \$1,955.00
12	Elbows Associated with Thermal System Insulation/Associated Elbows on 2-inch Pipe	Exterior Hallway/Corridor Between Building 11 (Lecture Hall) and Building 12	5 EA	Y	Good	x \$ 25.00 \$125.00
Mobilization (Lump Sum)			0			x \$ 2,500.00
Total						\$134,870

NOTES:
 SF = Square feet
 LF = Linear feet

BUILDING 14 - COST REMOVAL ESTIMATE OF IDENTIFIED ASBESTOS-CONTAINING MATERIAL

Building Number	Identified ACBM	Location	Quantity SF/EA	Friable Y/N	ACBM Material Condition	Calculations
14	Gray 9" x 9" Vinyl Floor Tile (VFT) and Associated Mastic	Throughout Building 14 (Rooms 100-124, Rooms 200-221, and stairwell areas [Rooms 105, 119, 121, 123, 215, 220, and 221 are carpeted, VFT/mastic assumed])	23,000 SF	N	Good	x \$ 3.00 \$69,000.00
	Mobilization (Lump Sum)		0			x \$2,500.00
Total	\$71,500					

NOTES:

SF = Square feet

BUILDING 19 - COST REMOVAL ESTIMATE OF IDENTIFIED ASBESTOS-CONTAINING MATERIAL

Building Number	Identified ACBM	Location	Quantity SF/EA	Friable Y/N	ACBM Material Condition	Calculations
19	Gray 9" x 9" Vinyl Floor Tile and Associated Mastic	Electrical Lab	1,000 SF	N	Good	x \$ 3.00 \$3,000.00
	Mobilization (Lump Sum)		0			x \$500.00
Total						\$3,500

NOTES:

SF = Square feet