



159 Pasadena Avenue, S. Pasadena, CA 91030
 10772 Noel Street, Los Alamitos, CA 90720

LA Testing, Inc. ♦

LA Testing, Inc. CHAIN OF CUSTODY WWW.LATESTING.COM

EMSL Rep: Kelley West
 Company: Titan Environmental Solutions, Inc.
 Address: 1519 E. Chapman, #262
 City & State: Fullerton, CA Zip 92831
 Phone: 714-871-8711
 Email Results: robert@titan-enviro.com
 Project Name or Number: 172308RS Griffin Residence
 Purchase Order Number: 172308RS
 *requires written authorization from third party

TURNOAROUND TIME
 3 Hours 6 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 CFR, Part 763 Subpart E
 NIOSH 7402 Issue 2
 EPA Level II
 EPA 600/R-93/116
 NY Standard 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
 Qualitative Quantitative
 EPA Protocol A B C D E
 EMST MSD 9000 Method fibers/gram
 Superfund EPA 540-R097-028 (dust generation)
TEM BULK
 Drop Mount (Qualitative)
 Chalfield SOP-1988-02
 TEM NOB (Gravimetric) NY 198.4
 TEM MICROVAC
 ASTM D 5755-95 (Qualitative)
 TEM WIFE
 ASTM D-6480-99
 Qualitative
 TEM WATER
 EPA 100.1
 EPA 100.2
 NYS 198.2
 OTHER:

LEAD ANALYSIS
 Flame Atomic Absorption ASTM non ASTM
 Wipe, SW846-7420
 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
 (OSHA ID-143)
 Man Made Vitreous Fibers - MMVF's
 Synthetic Fiber Identification
 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:
 (3 most prominent types)
 Bacterial Count & Identification
 Bacterial Count & Gram Stain
 Mold & Fungi - Culture (Count & ID)
 Mold & Fungi - Culture (Count only)
 direct examination if necessary)
 Mold & Fungi - (Culture follow up to
 Mold & Fungi - Direct Examination
 Wipe and Bulk Samples
 Legionella
 Salmonella
 Giardia and Cryptosporidium
 Total Coliforms, Fecal Coliforms
 Escherichia Coli, Fecal Streptococcus
 Bacterial Count and Identification
 Bacterial Count and Gram Stain
 Mold & Fungi by Agar Plate count & Id
 Mold & Fungi by Air O Cell
Air Samples
 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
 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
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 Corrosion Analysis
 Glove Box Containment Study
 Petrographic Examination of Concrete
 (OSHA ID-143)
 Man Made Vitreous Fibers - MMVF's
 Synthetic Fiber Identification
 Other:

Client Sample # (S) 0465-01-61
 Received: [Signature]
 Relinquished: [Signature]
 Date: 4/7/2002
 Time: 6:00A
 TOTAL SAMPLE # 27
 Received: [Signature]
 Relinquished: [Signature]
 Date: 4/13/08
 Time: 6:00A
 TOTAL SAMPLE # 27

Retrieved:
Relinquished:
Received:

Date: _____
Date: _____
Date: _____

Time: _____
Time: _____
Time: _____

6:00A

4/7/08

Handwritten signature

Sample Number	Material	Location	Quantity
0405-01-01	PAPER	WEST END OF THE LIVING ROOMS & WALL	6,690SF
0405-02-01	BUTTON BOARD	WEST END OF THE LIVING ROOMS SOUTH WALL	6,690SF
0405-02-03		SOUTH END OF THE BEDROOM #13 E. WALL	
0405-02-04		SOUTH END OF THE BEDROOM #13 E. WALL	
0405-02-05		CENTER OF THE BEDROOM #25 SOUTH WALL	
0405-03-07	LINOLEUM	SOUTH END OF THE BEDROOM #13 E. WALL	
0405-03-08		NORTH END OF THE BEDROOM #1	
0405-04-09		WEST END OF THE BEDROOM #1	655SF
0405-04-10	FLOOR PICKINGS	SOUTHWEST END OF THE BEDROOM #1	
0405-04-11		NORTH END OF THE KITCHEN	330SF
0405-05-12		WEST END OF THE KITCHEN	
0405-05-13	VAPOR BARRIER	CENTER OF THE KITCHEN	
0405-05-14	FAIRF	SOUTH END OF THE FAMILY ROOMS	1,950SF
0405-06-15		DEBRIS PILE AT THE SOUTH EAST OF THE BACKYARD	
0405-06-16	DRYWALL	DEBRIS PILE AT THE SOUTHWEST END OF THE BACKYARD	
0405-06-17		NORTH END OF FAMILY ROOM CLOSET	
0405-06-18		CENTER OF THE KITCHEN HANDY'S NORTH WALL	680SF
0405-07-19	DRY W. COMPOUND	CENTER OF THE KITCHEN HANDY'S NORTH WALL	
0405-07-20		CENTER OF THE KITCHEN HANDY'S SOUTH WALL	680SF
0405-08-21		SOUTH EAST CORNER OF THE LIVING ROOMS SOUTH WALL	
0405-08-22	ACRYLIC GYPSUM	DEBRIS PILE NEXT TO ENTRANCE ROOMS CEILING NEXT TO KITCHEN HOE	105F Removal
0405-08-23		DEBRIS PILE AT THE N.W. CORNER OF THE BEDROOM #1	154
0405-08-24		DEBRIS PILE AT THE N.E. CORNER OF THE BEDROOM #1	DEBRIS REMAINING

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8308 031 82

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 LA Testing. LA Testing's liability is limited to the cost of analysis. LA Testing 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.
 NVLAP Lab Code: 101984-D, CAL ELAP # 1406

Fred Chapplear (27)

Derrick Tanner, Laboratory Manager
 or other approved signatory



Analyst(s)

Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
0405-01-01	West end of living room S. wall	Beige/White Non-Fibrous		15% Mica 85% Non-fibrous (other)	None Detected
0405-01-02	Center of bedroom #25 S. wall	Beige/White Non-Fibrous		15% Mica 85% Non-fibrous (other)	None Detected
0405-01-03	South end of bedroom #1 S.E. wall	Beige/White Non-Fibrous		15% Mica 85% Non-fibrous (other)	None Detected
0405-02-04	West end of the living room S. wall	White/Beige Fibrous	5% Cellulose	15% Mica 80% Non-fibrous (other)	None Detected
0405-02-05	Center of bedroom #25 S. wall	White/Brown Fibrous	15% Cellulose	85% Gypsum	None Detected
0405-02-06	South end of bedroom #1 S.E. wall	White/Brown Fibrous	15% Cellulose	85% Gypsum	None Detected
0405-03-07	North end of restroom #1	White/Gray Fibrous	<1% Glass <1% Synthetic	20% Cellulose 80% Non-fibrous (other)	None Detected

Asbestos Analysis of Bulk Materials via EPA 600/R-93/16 Method using Polarized Light Microscopy

Attn: Veronica Quiroz
 Titan Environmental
 1519 E. Chapman, A
 Fullerton, CA 92831
 Project: 172308AS Griffin Residence
 Phone: (714) 871-8711
 Fax: (714) 828-4994

Customer ID: 32T1T A85
 Customer PO: 04/07/08 8:00 AM
 Received: 04/07/08 8:00 AM
 LA Testing Order: 330803182
 LA Testing Proj: 4/8/2008
 Analysis Date: 4/8/2008
 Report Date: 4/8/2008



LA Testing
 10772 Noel St., Los Alamitos, CA 90720
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NVLP Lab Code 101384-0, Cal ELAP # 1405

Fred Chappell (27)

Derrick Tanner, Laboratory Manager
or other approved signatory

Analyst(s)

Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
0405-03-08	West end of bedroom #1	White/Gray Fibrous	20%	80%	None Detected
0405-03-08	West end of bedroom #1	Heterogeneous Fibrous	<1%	<1%	None Detected
0405-03-09	Southwest end of restroom #1	White/Gray Fibrous	20%	80%	None Detected
0405-03-09	Southwest end of restroom #1	Heterogeneous Fibrous	<1%	<1%	None Detected
0405-04-10	North end of kitchen	Gray Fibrous	20%	10%	70% Chrysotile
0405-04-11	West end of kitchen	Gray Fibrous	30%	10%	60% Chrysotile
0405-04-12	Center of the kitchen	Gray Fibrous	30%	10%	60% Chrysotile
0405-05-13	South end of family room W. wall	Brown Fibrous	61%	15%	None Detected
0405-05-14	Debris at the south backyard	Brown Fibrous	80%	20%	None Detected

Asbestos Analysis of Bulk Materials via EPA 600/R-93/16 Method using Polarized Light Microscopy

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 Titan Environmental
 1519 E. Chapman, A
 Fullerton, CA 92831
 Project: 172308AS Griffin Residence
 Phone: (714) 871-8711
 Fax: (714) 871-8711

Customer ID: 32TTA85
 Customer PO: 04/07/08 8:00 AM
 Received: 330803182
 LA Testing Order: 330803182
 LA Testing Proj: 4/8/2008
 Analysis Date: 4/8/2008
 Report Date: 4/8/2008



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 10772 Noel St., Los Alamitos, CA 90720
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 NVLAP Lab Code 101984-D, Cal ELAP # 1406

Fred Chappelaar (27)

Derrick Tanner, Laboratory Manager
 or other approved signatory

Analyst(s)



Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
0405-05-15	Debris pile at southwest end of the backyard	Black Fibrous	80% Cellulose	20% Non-fibrous (other)	None Detected
0405-06-16	North end of family room closet	White/Brown Fibrous	20% Cellulose	80% Gypsum	None Detected
0405-16-17	Center of the kitchen pantry north wall	White/Brown Fibrous	20% Cellulose	80% Gypsum	None Detected
0405-16-18	Center of the kitchen pantry south wall	White/Brown Fibrous	20% Cellulose	80% Gypsum	None Detected
0405-07-19	North end of family room closet	White Non-Fibrous	90% Ca Carbonate	10% Non-fibrous (other)	<1% Chrysotile
0405-07-20	Center of the kitchen pantry north wall	White Non-Fibrous	90% Ca Carbonate	10% Non-fibrous (other)	<1% Chrysotile
0405-07-21	Center of the kitchen pantry south wall	White Non-Fibrous	90% Ca Carbonate	10% Non-fibrous (other)	<1% Chrysotile
0405-08-22	South east corner of living room ceiling	White Fibrous	5% Mica	92% Non-fibrous (other)	3% Chrysotile

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

Attn: Veronica Gutroz
 Titan Environmental
 1519 E. Chapman, A
 Fullerton, CA 92831

Phone: (714) 871-8711

Customer ID: 321TA85
 Customer PO: 04/07/08 8:00 AM
 Received: 04/07/08 8:00 AM
 LA Testing Order: 330803182
 LA Testing Proj: 330803182
 Analysis Date: 4/8/2008
 Report Date: 4/8/2008



LA Testing
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Attn: Veronica Quiroz
 Titan Environmental
 1519 E. Chapman, A
 Fullerton, CA 92831
 Fax: Phone: (714) 871-8711
 Project: 17230845 Griffin Residence
 LA Testing Proj: LA Testing Order: 330803182
 Analysis Date: 4/8/2008
 Report Date: 4/8/2008
 Customer ID: 32TTA85
 Customer PO: 04/07/08 8:00 AM
 Received: 330803182

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

Asbestos Non-Asbestos
 % Type % Non-Fibrous % Fibrous % Appearance Location Sample

Sample	Location	Appearance	% Fibrous	% Non-Fibrous	% Type
0405-08-23	Debris pile next to entrance door at N.W. corner	White Fibrous	98%	2%	Chrysotile
0405-08-24	Debris pile at N.E. corner of bedroom #1	Beige Fibrous	5%	92%	Mica Chrysotile
0405-09-25	Debris pile at the center of the telephone data	White/Beige Fibrous	60%	35%	Cellulose Min. Wool
0405-09-26	Debris pile at the southwest end of kitchen	White/Beige Fibrous	60%	35%	Cellulose Min. Wool
0405-09-27	South west corner of restroom #1	Beige Fibrous	95%	5%	Cellulose Non-fibrous (other)

Analyst(s) _____
 Fred Chappellear (27)
 Derrick Tanner, Laboratory Manager
 or other approved signatory

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