



PLM Characterization

(Visual Area Estimation)

Forensic Analytical Consulting Svcs
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Client ID: LA05
Report Number: P012857
Date Received: 12/06/18
Date Analyzed: 12/06/18
Date Printed: 12/06/18
First Reported: 12/06/18

Job ID/Site: PJ39948; Juan Cabrillo Elementary School - Wildfire Clearance Assessment
30237 Morning View Drive Malibu CA 90265
Date(s) Collected: 12/05/2018

FALI Job ID: LA05
Total Samples Submitted: 20
Total Samples Analyzed: 20

Sample ID	Lab Number	%	Gross Description	%
T01	51192861		Classroom 1 / Window sill	
Sample Type: Tape	Sample Loading: Extremely light			
Fibrous Particle(s):			Non-Fibrous Particle(s):	
Cellulose		33	Soil minerals	25
Misc. Components, fibrous & non-fibrous:		5	Paint	15
			Epithelial cells	10
			Insect parts	10
			Opaques (inconsistent with combustion products)	2
			Opaques (soot)	ND
			Plant ash (white ash)	ND
			Pyrolized plant material (char)	Trace
T02	51192862		Cottage A / Window sill	
Sample Type: Tape	Sample Loading: Extremely light			
Fibrous Particle(s):			Non-Fibrous Particle(s):	
Cellulose		39	Epithelial cells	39
Misc. Components, fibrous & non-fibrous:		5	Soil minerals	10
			Pyrolized plant material (char)	5
			Opaques (inconsistent with combustion products)	2
			Opaques (soot)	ND
			Plant ash (white ash)	Trace
T03	51192863		Cottage B / Content adj. to window	
Sample Type: Tape	Sample Loading: Extremely light			
Fibrous Particle(s):			Non-Fibrous Particle(s):	
Cellulose		25	Paint	35
Misc. Components, fibrous & non-fibrous:		5	Epithelial cells	25
			Soil minerals	10
			Opaques (inconsistent with combustion products)	Trace
			Opaques (soot)	ND
			Plant ash (white ash)	ND
			Pyrolized plant material (char)	ND



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Sample ID	Lab Number	%	Gross Description	%
T04	51192864		Classroom 2 / Door Threshold	
Sample Type: Tape	Sample Loading: Extremely light			
Fibrous Particle(s):			Non-Fibrous Particle(s):	
Cellulose		20	Paint	35
Misc. Components, fibrous & non-fibrous:		5	Epithelial cells	20
			Metal chips	10
			Soil minerals	10
			Opaques (inconsistent with combustion products)	Trace
			Opaques (soot)	ND
			Plant ash (white ash)	ND
			Pyrolized plant material (char)	ND
T05	51192865		Classroom 4 / Door Threshold	
Sample Type: Tape	Sample Loading: Extremely light			
Fibrous Particle(s):			Non-Fibrous Particle(s):	
Cellulose		30	Paint	30
Misc. Components, fibrous & non-fibrous:		5	Epithelial cells	28
			Soil minerals	5
			Opaques (inconsistent with combustion products)	2
			Opaques (soot)	ND
			Plant ash (white ash)	ND
			Pyrolized plant material (char)	Trace
T06	51192866		Staff Lounge / Door Threshold	
Sample Type: Tape	Sample Loading: Extremely light			
Fibrous Particle(s):			Non-Fibrous Particle(s):	
Cellulose		40	Epithelial cells	40
Misc. Components, fibrous & non-fibrous:		5	Paint	10
			Soil minerals	5
			Opaques (inconsistent with combustion products)	Trace
			Opaques (soot)	ND
			Plant ash (white ash)	ND
			Pyrolized plant material (char)	ND



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T07	51192867		Room 8 / Window sill	
Sample Type: Tape	Sample Loading: Extremely light			
Fibrous Particle(s):			Non-Fibrous Particle(s):	
Cellulose	40		Epithelial cells	44
Misc. Components, fibrous & non-fibrous:	5		Iron oxide	5
			Soil minerals	5
			Pyrolized plant material (char)	1
			Opagues (inconsistent with combustion products)	Trace
			Opagues (soot)	ND
			Plant ash (white ash)	Trace
T08	51192868		Room 9 / Content adj. to window	
Sample Type: Tape	Sample Loading: Extremely light			
Fibrous Particle(s):			Non-Fibrous Particle(s):	
Cellulose	45		Epithelial cells	45
Misc. Components, fibrous & non-fibrous:	5		Paint	5
			Opagues (inconsistent with combustion products)	Trace
			Opagues (soot)	ND
			Plant ash (white ash)	ND
			Pyrolized plant material (char)	Trace
T09	51192869		Room 10 / Interior content	
Sample Type: Tape	Sample Loading: Extremely light			
Fibrous Particle(s):			Non-Fibrous Particle(s):	
Cellulose	45		Epithelial cells	40
Misc. Components, fibrous & non-fibrous:	5		Iron oxide	10
			Opagues (inconsistent with combustion products)	Trace
			Opagues (soot)	ND
			Plant ash (white ash)	ND
			Pyrolized plant material (char)	Trace
T10	51192870		Room 11 / Content	
Sample Type: Tape	Sample Loading: Extremely light			
Fibrous Particle(s):			Non-Fibrous Particle(s):	
Cellulose	45		Epithelial cells	40
Misc. Components, fibrous & non-fibrous:	5		Paint	10
			Opagues (inconsistent with combustion products)	Trace
			Opagues (soot)	ND
			Plant ash (white ash)	ND
			Pyrolized plant material (char)	Trace



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Sample ID	Lab Number	%	Gross Description	%
T11	51192871		Library / Content	
Sample Type: Tape	Sample Loading: Extremely light			
Fibrous Particle(s):			Non-Fibrous Particle(s):	
Cellulose		50	Epithelial cells	35
Misc. Components, fibrous & non-fibrous:		5	Soil minerals	10
			Opagues (inconsistent with combustion products)	Trace
			Opagues (soot)	ND
			Plant ash (white ash)	ND
			Pyrolized plant material (char)	Trace
T12	51192872		Room 20 / Window sill	
Sample Type: Tape	Sample Loading: Extremely light			
Fibrous Particle(s):			Non-Fibrous Particle(s):	
Cellulose		38	Epithelial cells	35
Misc. Components, fibrous & non-fibrous:		5	Fungal spores	10
			Soil minerals	10
			Pyrolized plant material (char)	2
			Opagues (inconsistent with combustion products)	Trace
			Opagues (soot)	ND
			Plant ash (white ash)	ND
T13	51192873		Room 23 / Content adj. to window	
Sample Type: Tape	Sample Loading: Very light			
Fibrous Particle(s):			Non-Fibrous Particle(s):	
Cellulose		62	Epithelial cells	15
Misc. Components, fibrous & non-fibrous:		5	Soil minerals	10
			Paint	5
			Opagues (inconsistent with combustion products)	3
			Opagues (soot)	ND
			Plant ash (white ash)	ND
			Pyrolized plant material (char)	Trace



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Sample ID	Lab Number	%	Gross Description	%
T14	51192874		Room 14 / Window sill	
Sample Type: Tape		Sample Loading: Extremely light		
Fibrous Particle(s):		Non-Fibrous Particle(s):		
Cellulose		40	Epithelial cells	40
Misc. Components, fibrous & non-fibrous:		5	Paint	10
			Iron oxide	5
			Opagues (inconsistent with combustion products)	Trace
			Opagues (soot)	ND
			Plant ash (white ash)	ND
			Pyrolized plant material (char)	ND
T15	51192875		Room16 / Window sill	
Sample Type: Tape		Sample Loading: Extremely light		
Fibrous Particle(s):		Non-Fibrous Particle(s):		
Cellulose		40	Epithelial cells	35
Misc. Components, fibrous & non-fibrous:		5	Paint	10
			Carbonate minerals	5
			Iron oxide	5
			Opagues (inconsistent with combustion products)	Trace
			Opagues (soot)	ND
			Plant ash (white ash)	ND
			Pyrolized plant material (char)	Trace
T16	51192876		Computer Lab Rm 19 / Window sill	
Sample Type: Tape		Sample Loading: Extremely light		
Fibrous Particle(s):		Non-Fibrous Particle(s):		
Cellulose		30	Epithelial cells	40
Misc. Components, fibrous & non-fibrous:		5	Carbonate minerals	20
			Fungal spores	5
			Opagues (inconsistent with combustion products)	Trace
			Opagues (soot)	ND
			Plant ash (white ash)	ND
			Pyrolized plant material (char)	Trace



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Sample ID	Lab Number	%	Gross Description	%
T17	51192877		Rm 35 / Window sill	
Sample Type: Tape		Sample Loading: Extremely light		
Fibrous Particle(s):		Non-Fibrous Particle(s):		
Cellulose		40	Epithelial cells	45
Misc. Components, fibrous & non-fibrous:		5	Soil minerals	10
			Opagues (inconsistent with combustion products)	Trace
			Opagues (soot)	ND
			Plant ash (white ash)	ND
			Pyrolized plant material (char)	ND
T18	51192878		MPR / Wall adj. to entry	
Sample Type: Tape		Sample Loading: Very light		
Fibrous Particle(s):		Non-Fibrous Particle(s):		
Cellulose		35	Epithelial cells	20
Misc. Components, fibrous & non-fibrous:		5	Carbonate minerals	15
			Paint	15
			Opagues (inconsistent with combustion products)	5
			Soil minerals	5
			Opagues (soot)	ND
			Plant ash (white ash)	ND
			Pyrolized plant material (char)	Trace
T19	51192879		MPR / Content Int.	
Sample Type: Tape		Sample Loading: Extremely light		
Fibrous Particle(s):		Non-Fibrous Particle(s):		
Cellulose		55	Epithelial cells	40
Misc. Components, fibrous & non-fibrous:		5	Opagues (inconsistent with combustion products)	Trace
			Opagues (soot)	ND
			Plant ash (white ash)	ND
			Pyrolized plant material (char)	ND



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Sample ID	Lab Number	%	Gross Description	%
T20	51192880		Cafeteria / Wall adj. entry	
Sample Type: Tape	Sample Loading: Very light			
Fibrous Particle(s):			Non-Fibrous Particle(s):	
Cellulose		18	Paint	25
Misc. Components, fibrous & non-fibrous:		5	Carbonate minerals	20
			Epithelial cells	13
			Black non-fibrous material	10
			Iron oxide	5
			Opaques (inconsistent with combustion products)	3
			Pyrolized plant material (char)	1
			Opaques (soot)	ND
			Plant ash (white ash)	ND

Tiffani Ludd, Laboratory Supervisor, Rancho Dominguez Laboratory

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