

EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108

EMSL

Order ID:040305286

Attn: Andrew/ M.N. Khan
JLC Environmental Consultants, Inc.
200 Park Ave South, Suite 1001
New York, NY 10003
Fax: 212-420-6092
Project: #03-2744/NYCDEP—114 Liberty ST
Report Date: 04/14/03

Customer ID: JLCC50
Customer PO:
Date Received: 04/05/03 12:23 AM
EMSL Order: 040305286
EMSL Project ID:
Date Analyzed: 04/14/03

**Silica, Crystalline Analysis Performed X-Ray Diffraction (XRD)
Modified NIOSH Method 7500, Issue 3, 1/15/98**

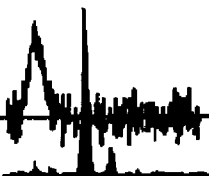
Sample ID	Identification	Particle ID	Volume (L)	Respirable Dust		Airborne Silica			Analytical Sensitivity (mg/m ³)
				Sample Weight (mg)	Sample Conc. (mg/m ³)	Silica Weight (mg)	Silica Conc. (mg/m ³)	% Silica	
MB13687-1	12TH FLR SOUTH	Quartz	408	<0.002	N/A	<0.0045	<0.0110	N/A	0.0110
MB13687-2	11TH FLR DINING	Quartz	408	<0.002	N/A	0.0090	0.0221	N/A	0.0110
MB13687-3	10TH FLR DINING	Quartz	408	0.601	1.4730	0.0080	0.0196	1.3	0.0110
MB13687-4	9TH FLR DINING	Quartz	408	0.014	0.0343	0.0090	0.0221	64.3	0.0110
MB13687-5	8TH FLR DINING	Quartz	408	<0.002	N/A	<0.0045	<0.0110	N/A	0.0110
MB13687-6	7TH FLR DINING	Quartz	408	0.010	0.0245	<0.0045	<0.0110	45.0	0.0110
MB13687-7	6TH FLR DINING	Quartz	408	0.090	0.2206	<0.0045	<0.0110	5.0	0.0110
MB13687-8	5TH FLR DINING	Quartz	408	<0.002	N/A	<0.0045	<0.0110	N/A	0.0110
MB13687-9	4TH FLR KITCHEN	Quartz	408	0.115	0.2819	<0.0045	<0.0110	3.9	0.0110

Disclaimer: The laboratory can only verify the concentration of silica on the filter and not the final concentration due to data obtained by non-laboratory personnel. In the absence of a bulk dust sample, neither the specific forms of crystalline silica nor the interfering species can be fully determined. Hence, the amount for each phase, if anticipated, will be analyzed based on primary, secondary, and/or tertiary peak data with comparison to calibration curves of known standards. It should be noted that air samples are meant for only quantifying silica (or a mineral phase) which must first be identified from a bulk dust sample. "<" means less than the stated value. The lowest reportable value is equivalent to the Analytical Sensitivity that is calculated from the lowest reproducible amount of specific mineral detectable by the instrument.

Anant Samudra, Ph.D.
Analyst

R.K. M. adony
Stephen Siegel, CIH- Lab Manager
Or other approved signatory

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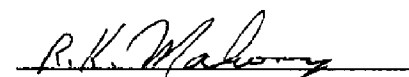
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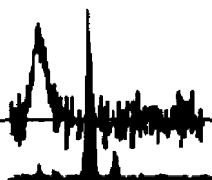
Sample ID	Identification	Particle ID	Volume (L)	Respirable Dust		Airborne Silica			Analytical Sensitivity (mg/m ³)
				Sample Weight (mg)	Sample Conc. (mg/m ³)	Silica Weight (mg)	Silica Conc. (mg/m ³)	% Silica	
MB13687-10	3RD FLR APARTMENT KITCHEN	Quartz	408	0.143	0.3505	<0.0045	<0.0110	3.1	0.0110

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				Sample Weight (mg)	Sample Conc. (mg/m ³)	Silica Weight (mg)	Silica Conc. (mg/m ³)	% Silica	Analytical Sensitivity (mg/m ³)
MB13687-3QC	10TH FLR DINING	Quartz	408	0.601	1.4730	0.0070	0.0172	1.2	0.0110
STANDARD	0.030Q	Quartz	N/A	N/A	N/A	0.025	N/A	N/A	N/A
LAB BLANK		Quartz	0	N/A	N/A	<0.0045	N/A	N/A	N/A

Notes:

1. Bulk sample not submitted with sample set.
2. Discernable field blank not submitted with sample set.
3. Results are not field blank corrected.

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