NYC 9/11 Public Portal Document

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12/20/01

Attention: *U.S. EPA*
HQ Financial Services Division
1200 Pennsylvania Avenue
NW Maildrop 2734R
Washington, DC. 20460

Project: Residential
Ref. Number: 360100718

Silica Analysis Performed by Method NIOSH 7500
Crystalline Particle Analysis Performed by
X-Ray Diffraction (XRD)

				Nuisance Dust		*Airborne Particulate*			
Sample ID	**Identification**	**Analyte ID**	**Volume (L)**	**Sample Weight (mg)**	**Sample Conc. (mg/m³)**	**Analyte Weight (mg)**	**Analyte Conc. (mg/m³)**	**% Analyte**	**Analytical Sensitivity (mg/m³)**
[R]IF-0-28	Revised Sample Data (20 Dec, 01)	Quartz	1457	0.237	0.1627	<0.004	<AS	N/A	0.0027
		Cristobalite				<0.012	<AS		0.0082
		Tridymite				N/A	N/A		N/A
		Calcite				<0.004	<AS		0.0027
		Portland/ Lime				<0.020	<AS		0.0137
		Gypsum				<0.004	<AS		0.0027
		Mica				<0.011	<AS		0.0076
		Halite				<0.006	<AS		0.0041
		Fibrous Glass				*ND*	<AS		*0.6865*
[R]RF-C-28		Quartz	898	A	N/A	<0.004	<AS	N/A	0.0045
		Cristobalite				<0.012	<AS		0.0134
		Tridymite				N/A	N/A		N/A
		Calcite				<0.004	<AS		0.0045
		Portland/ Lime				<0.020	<AS		0.0223
		Gypsum				0.004	0.0047		0.0045
		Mica				<0.011	<AS		0.0122
		Halite				<0.006	<AS		0.0067
		Fibrous Glass				*ND*	<AS		*1.1134*
[R]RF2-C-28		Quartz	1396	0.060	0.0430	<0.004	<AS	N/A	0.0029
		Cristobalite				<0.012	<AS		0.0086
		Tridymite				N/A	N/A		N/A
		Calcite				<0.004	<AS		0.0029
		Portland/ Lime				<0.020	<AS		0.0143
		Gypsum				<0.004	<AS		0.0029
		Mica				<0.011	<AS		0.0079
		Halite				<0.006	<AS		0.0043
		Fibrous Glass				*ND*	<AS		*0.7165*

Fibrous Glass Results are in fibers per cubic M

Analyst _____ Date of Analysis _____

Disclaimer: The laboratory can only verify the concentrations of analytes on the filter and not the final concentrations due to data obtained by non-laboratory personnel. In the absence of a bulk dust sample, the specific form of crystalline silica can not be determined. Hence, alpha-quartz, the most prevalent form of crystalline silica, will be assumed. "<" = Less than the stated value
The lowest reportable value is equivalent to the Analytical Sensitivity which is calculated from the lowest reproducible concentration of silica detectable by the instrument.
AIHA Accredited - Laboratory ID #100192

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SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

NYC-WTC_000176099