NYC 9/11 Public Portal Document

EMSL Analytical, Inc.-
107 Haddon Avenue
Westmont, NJ. 08108
(856) 858-4800

9/28/01

Attention: **Chris Gerber**
URS
200 Orchard Ridge Drive
Suite 101
Gaithersburg, MD. 20878

Project: 89FOSPS035
Ref. Number: 360100270

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

Sample ID	Identification	Particle ID	Volume (L)	*Nuisance Dust* Sample Weight (mg)	*Nuisance Dust* Sample Conc. (mg/m^3)	*Airborne Silica* Silica Weight (mg)	*Airborne Silica* Silica Conc. (mg/m^3)	*Airborne Silica* % Silica	*Airborne Silica* Analytical Sensitivity (mg/m^3)
1P11S11		Quartz	900	0.230	0.2556	<0.004	<0.0222	N/A	0.0222
1P11S12		Quartz	900	0.190	0.2111	<0.004	<0.0222	N/A	0.0222
1P11S13		Quartz	900	0.080	0.0889	<0.004	<0.0222	N/A	0.0222
1P11S14		Quartz	900	0.190	0.2111	<0.004	<0.0222	N/A	0.0222
1P11S15		Quartz	900	0.080	0.0889	<0.004	<0.0222	N/A	0.0222
Std. #3	0.008 mg	Quartz				0.008			

Bulk Analysis:

Sample ID	Sample Description	Silica Forms Identified
Bulk Not	Submitted	

M.Vargas & J/Newton
Analyst

28 September, 2001
Date of Analysis

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, the specific form of crystalline silica can not be determined. Hence, alpha-quartz, the most prevalent form of crystalline silica , will be assumed.