NYC 9/11 Public Portal Document

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

12/27/01

Attention: *Jay Sall*
EE&G
Jay Sall c/o Motel 6
1012 Stelton Road
Piscataway, NJ 08854

Project: Staten Island Landfill Debris Reduction/ 0601000594
Ref. Number: 360100797 - Revision 122701

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/m³)	*Airborne Silica* Silica Weight (mg)	*Airborne Silica* Silica Conc. (mg/m³)	*Airborne Silica* % Silica	*Airborne Silica* Analytical Sensitivity (mg/m³)
121201TG02	John Salomone	Quartz	738	108.346	146.8103	0.000	<AS	N/A	0.0054
121201TG05	R. Monroe	Quartz	578	0.260	0.2961	0.023	0.0267	9.0	0.0046
121201TG08	Field Blank	Quartz	0	0.000	N/A	0.000	N/A	N/A	N/A
Std0	Lab Blank	Quartz	N/A	N/A	N/A	ND	N/A	N/A	N/A
Std1	19ug Standard	Quartz	N/A	N/A	N/A	0.0183	N/A	N/A	N/A

Bulk Analysis:

Sample ID	Sample Description	Silica Forms Identified
Bulk Not	Submitted	

Miriam E. Vargas
Analyst

December 18, 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. "<" = 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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The filter weights for the samples were as follows.

Sample #	Initial Weight (mg)	Final Weight (mg)
121201TG02	10.84*	119.186
121201TG05	11.55	11.810
121201TG08	11.06	11.122

* = Sample 121201TG02 had visible debris. The debris was a fine yellowish-white powder.

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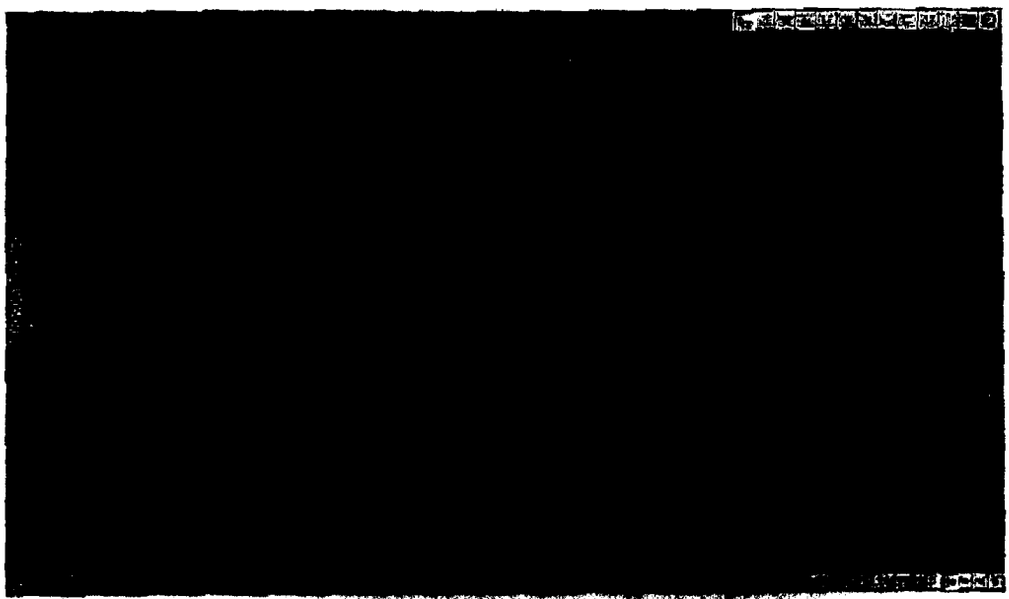
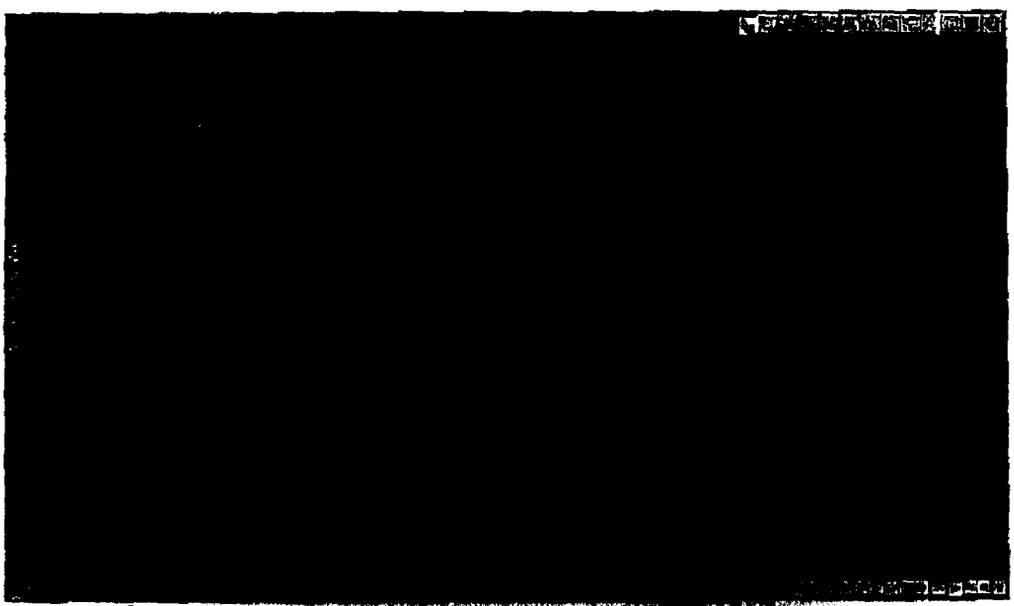
Data from the analysis of Silica for Project 0601000594.
EMSL Reference #: 360100797



Sample TG05



Sample TG02

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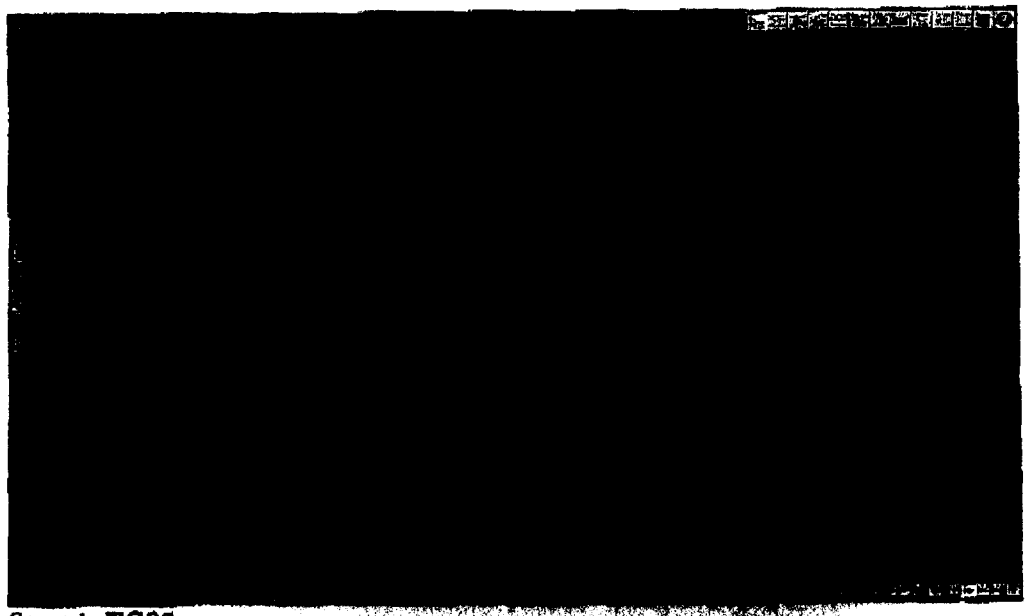
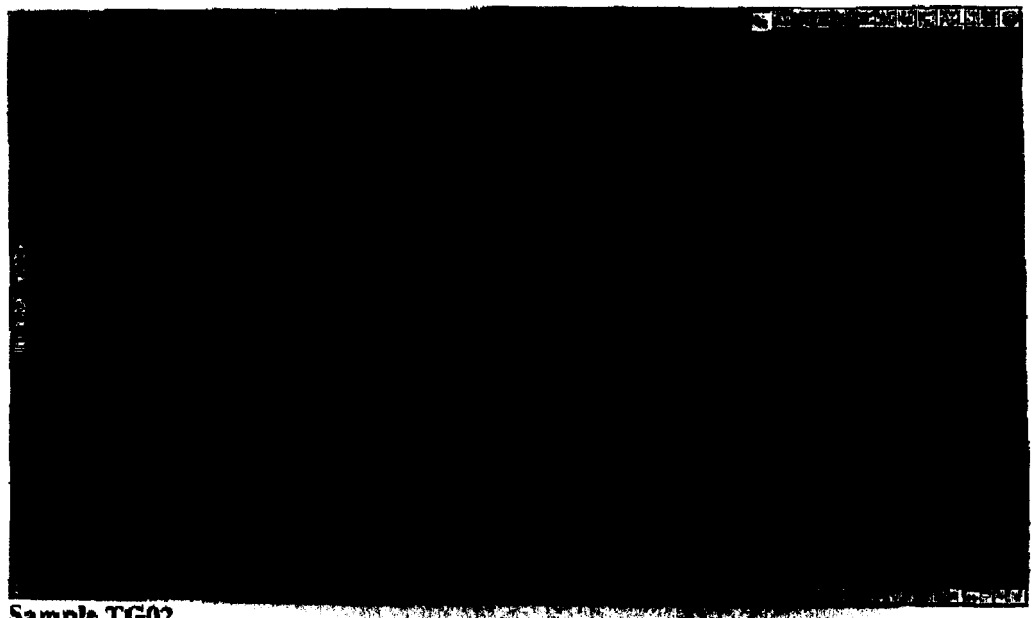


Sample TG05



Sample TG02

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