



# Analysis of Respirable Dust and Airborne Crystalline Silica

**By X-Ray Diffraction (XRD)**

NIOSH 0600 / Modified from NIOSH Method 7500 & OSHA ID-142

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**Project:** SAI XRD Silica

**Lab Order ID:** 1407272  
**Date Received:** 4/24/2014  
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Sample ID	Description	Air Volume (m <sup>3</sup> )	Analyte	% Analyte	LOD (mg Analyte)	mg Analyte	CONCENTRATION mg/m <sup>3</sup>
Lab Sample ID	Lab Notes						
1	Sample Blank		Dust	N/A	0.05	<0.05	N/A
			Alpha Quartz	None Detected	0.01	<0.01	N/A
			Cristobalite	None Detected	0.01	<0.01	N/A
1407272XDA_			Tridymite	None Detected	0.01	<0.01	N/A
2	Concrete Cutting Slab		Dust	N/A	0.05	30.0	8.9
			Alpha Quartz	30	0.01	8.6	2.7
			Cristobalite	None Detected	0.01	<0.01	<0.010
1407272XDA_			Tridymite	None Detected	0.01	<0.01	<0.010
3	Area 2		Dust	N/A	0.05	2.9	6.0
			Alpha Quartz	19	0.01	0.55	1.2
			Cristobalite	None Detected	0.01	<0.01	<0.021
1407272XDA_			Tridymite	None Detected	0.01	<0.01	<0.021

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Analyst

Lab Director