



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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Lab Order ID: 700000

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Project: SAI XRD Demonstration Report

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Sample ID	Description	Air Volume (m3)	Analyte	% Analyte	LOD (mg Analyte)	mg Analyte	CONCENTRATION mg/m ³	Dust PEL* mg/m ³
Lab Sample ID	Lab Notes							
ABC-03	Area 1	1.058	Dust	N/A	0.05	1.4	1.3	3.3
700000_XSS01			α-Quartz	1.0	0.01	0.014	0.013	
ABC-06	Area 2	1.026	Dust	N/A	0.05	0.23	0.22	5.0
700000_XSS02			α-Quartz	None Detected	0.01	<0.01	<0.0097	
ABC-16	Area 3	0.682	Dust	N/A	0.05	0.41	0.6	1.6
700000_XSS03			α-Quartz	4.1	0.01	0.017	0.024	
ABC-FB	Field Blank	0	Dust	N/A	0.05	<0.05	N/A	N/A
700000_XSS04			α-Quartz	None Detected	0.01	<0.01	N/A	

*PEL for Respirable dust containing quartz

Analyst

Approved Signatory