

TRC Field Sample No.	Sample No.	Sampling Location	Collection Start Date	Sample Volume (m <sup>3</sup> )	Analyte	Analytical Method	Lab	Lab Sample Receipt Date	Respirable Silica Concentration (ug/m3)	Exceeds Target	Exceeds EPA	Comments
									<b>10</b>	<b>Air Quality Levels</b>	<b>Site Specific Trigger Levels</b>	
									<b>10</b>			
<b>Target Air Quality Levels</b>												
<b>EPA Site Specific Trigger Levels</b>												
SILICA-ST1-8/18/09	040920952-0001	Southwest Area (sidewalk bridge level)	8/18/09	3.55	Silica	NIOSH 7500 XRD	EMSL	8/19/09	6	No	No	
SILICA-ST2-8/18/09	040920952-0002	Southeast Area (sidewalk bridge level)	8/18/09	3.55	Silica	NIOSH 7500 XRD	EMSL	8/19/09	5	No	No	
SILICA-ST4-8/18/09	040920952-0003	Northwest Area (street-level)	8/18/09	3.7	Silica	NIOSH 7500 XRD	EMSL	8/19/09	< 1	No	No	
SILICA-ST5-8/18/09	040920952-0004	Firehouse #10 (roof level)	8/18/09	3.7	Silica	NIOSH 7500 XRD	EMSL	8/19/09	< 1	No	No	
SILICA-ST10-8/18/09	040920952-0005	North Side Sidewalk Bridge	8/18/09	3.72	Silica	NIOSH 7500 XRD	EMSL	8/19/09	2	No	No	
SILICA-ST11-8/18/09	040920952-0006	90 Trinity Place (roof level)	8/18/09	3.61	Silica	NIOSH 7500 XRD	EMSL	8/19/09	18	Yes	Yes	Note 1
SILICA-ST12-8/18/09	040920952-0007	110 Greenwich Street (roof level)	8/18/09	3.56	Silica	NIOSH 7500 XRD	EMSL	8/19/09	< 1	No	No	
SILICA-ST13-8/18/09	040920952-0008	Marriott Hotel, 38th Floor (roof level)	8/18/09	3.52	Silica	NIOSH 7500 XRD	EMSL	8/19/09	7	No	No	
SILICA-ST1-8/19/09	040921071-0001	Southwest Area (sidewalk bridge level)	8/19/09	3.79	Silica	NIOSH 7500 XRD	EMSL	8/20/09	< 1	No	No	
SILICA-ST2-8/19/09	040921071-0002	Southeast Area (sidewalk bridge level)	8/19/09	3.68	Silica	NIOSH 7500 XRD	EMSL	8/20/09	2	No	No	
SILICA-ST4-8/19/09	040921071-0003	Northwest Area (street-level)	8/19/09	3.67	Silica	NIOSH 7500 XRD	EMSL	8/20/09	< 1	No	No	
SILICA-ST5-8/19/09	040921071-0004	Firehouse #10 (roof level)	8/19/09	3.71	Silica	NIOSH 7500 XRD	EMSL	8/20/09	2	No	No	
SILICA-ST10-8/19/09	040921071-0005	North Side Sidewalk Bridge	8/19/09	3.64	Silica	NIOSH 7500 XRD	EMSL	8/20/09	< 1	No	No	
SILICA-ST11-8/19/09	040921071-0006	90 Trinity Place (roof level)	8/19/09	3.62	Silica	NIOSH 7500 XRD	EMSL	8/20/09	8	No	No	
SILICA-ST12-8/19/09	040921071-0007	110 Greenwich Street (roof level)	8/19/09	3.61	Silica	NIOSH 7500 XRD	EMSL	8/20/09	< 1	No	No	
SILICA-ST13-8/19/09	040921071-0008	Marriott Hotel, 38th Floor (roof level)	8/19/09	3.61	Silica	NIOSH 7500 XRD	EMSL	8/20/09	< 1	No	No	
SILICA-ST1-8/20/09	040921149-0001	Southwest Area (sidewalk bridge level)	8/20/09	3.5	Silica	NIOSH 7500 XRD	EMSL	8/21/09	3	No	No	
SILICA-ST2-8/20/09	040921149-0002	Southeast Area (sidewalk bridge level)	8/20/09	3.51	Silica	NIOSH 7500 XRD	EMSL	8/21/09	< 1	No	No	
SILICA-ST4-8/20/09	040921149-0003	Northwest Area (street-level)	8/20/09	3.49	Silica	NIOSH 7500 XRD	EMSL	8/21/09	< 1	No	No	
SILICA-ST5-8/20/09	040921149-0004	Firehouse #10 (roof level)	8/20/09	3.34	Silica	NIOSH 7500 XRD	EMSL	8/21/09	< 1	No	No	
SILICA-ST10-8/20/09	040921149-0005	North Side Sidewalk Bridge	8/20/09	3.61	Silica	NIOSH 7500 XRD	EMSL	8/21/09	< 1	No	No	
SILICA-ST100-8/20/09	040921149-0009	Station 10 Field Duplicate	8/20/09	3.43	Silica	NIOSH 7500 XRD	EMSL	8/21/09	< 1	No	No	
SILICA-ST11-8/20/09	040921149-0006	90 Trinity Place (roof level)	8/20/09	3.63	Silica	NIOSH 7500 XRD	EMSL	8/21/09	< 1	No	No	
SILICA-ST12-8/20/09	040921149-0007	110 Greenwich Street (roof level)	8/20/09	3.61	Silica	NIOSH 7500 XRD	EMSL	8/21/09	2	No	No	
SILICA-ST13-8/20/09	040921149-0008	Marriott Hotel, 38th Floor (roof level)	8/20/09	3.61	Silica	NIOSH 7500 XRD	EMSL	8/21/09	< 1	No	No	
SILICA-ST1-8/21/09	040921250-0001	Southwest Area (sidewalk bridge level)	8/21/09	3.59	Silica	NIOSH 7500 XRD	EMSL	8/22/09	< 1	No	No	
SILICA-ST2-8/21/09	040921250-0002	Southeast Area (sidewalk bridge level)	8/21/09	3.6	Silica	NIOSH 7500 XRD	EMSL	8/22/09	< 1	No	No	
SILICA-ST4-8/21/09	040921250-0003	Northwest Area (street-level)	8/21/09	3.7	Silica	NIOSH 7500 XRD	EMSL	8/22/09	2	No	No	
SILICA-ST5-8/21/09	040921250-0004	Firehouse #10 (roof level)	8/21/09	3.63	Silica	NIOSH 7500 XRD	EMSL	8/22/09	< 1	No	No	
SILICA-ST11-8/21/09	040921250-0005	90 Trinity Place (roof level)	8/21/09	3.55	Silica	NIOSH 7500 XRD	EMSL	8/22/09	< 1	No	No	
SILICA-ST12-8/21/09	040921250-0006	110 Greenwich Street (roof level)	8/21/09	3.6	Silica	NIOSH 7500 XRD	EMSL	8/22/09	< 1	No	No	
SILICA-ST13-8/21/09	040921250-0007	Marriott Hotel, 38th Floor (roof level)	8/21/09	3.5	Silica	NIOSH 7500 XRD	EMSL	8/22/09	< 1	No	No	

Note

- There was an exceedance of the USEPA Site Specific Trigger Level for silica at Station 11 (90 Trinity Place [roof level]) on August 18, 2009. After review of the site activities logs and off site visual observations, it has been determined that the silica exceedance measured at Station 11 on August 18, 2009 was most likely attributable to a combination of off-site activities as well as fugitive silica containing dusts dispersed by winds in Lower Manhattan; no work was performed onsite that day.  
Off-site activities that may have contributed to the exceedance include: façade installation requiring stone cutting and grinding at the 4 Albany Street site; façade demo and construction activities on the 130 Cedar Street Site; WTC site demo activity in the North East area, concrete pouring activity in South East area, steel construction and concrete pouring in West area; and excavation activities on the lot North of 130 Cedar Street. As a result, no control measures are required.
- The silica sample from Station 10 (North Side Sidewalk Bridge) on August 21, 2009 was not available for analysis on account of damage to the collection media.