

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>Exceeds Target Air Quality Levels</b>	<b>Exceeds EPA Site Specific Trigger Levels</b>	
									<b>10</b>			
<b>Target Air Quality Levels</b>												
<b>EPA Site Specific Trigger Levels</b>												
SILICA-ST1-4/22/10	041008460-0001	Southwest Area (sidewalk bridge level)	4/22/10	3.61	Silica	NIOSH 7500 XRD	EMSL	4/26/10	< 1	No	No	
SILICA-ST2-4/22/10	041008460-0002	Southeast Area (sidewalk bridge level)	4/22/10	3.74	Silica	NIOSH 7500 XRD	EMSL	4/26/10	< 1	No	No	
SILICA-ST4-4/22/10	041008460-0003	Northwest Area (street-level)	4/22/10	3.58	Silica	NIOSH 7500 XRD	EMSL	4/26/10	< 1	No	No	
SILICA-ST5-4/22/10	041008460-0004	Firehouse #10 (roof level)	4/22/10	3.53	Silica	NIOSH 7500 XRD	EMSL	4/26/10	< 1	No	No	
SILICA-ST11-4/22/10	041008460-0006	90 Trinity Place (roof level)	4/22/10	3.66	Silica	NIOSH 7500 XRD	EMSL	4/26/10	< 1	No	No	
SILICA-ST12-4/22/10	041008460-0007	110 Greenwich Street (roof level)	4/22/10	3.68	Silica	NIOSH 7500 XRD	EMSL	4/26/10	< 1	No	No	
SILICA-ST13-4/22/10	041008460-0008	Marriott Hotel, 38th Floor (roof level)	4/22/10	3.61	Silica	NIOSH 7500 XRD	EMSL	4/26/10	< 1	No	No	
SILICA-ST20-4/22/10	041008460-0005	Northeast Area, Sidewalk Bridge	4/22/10	3.53	Silica	NIOSH 7500 XRD	EMSL	4/26/10	< 1	No	No	
SILICA-ST1-4/23/10	041008461-0001	Southwest Area (sidewalk bridge level)	4/23/10	3.59	Silica	NIOSH 7500 XRD	EMSL	4/26/10	2	No	No	
SILICA-ST2-4/23/10	041008461-0002	Southeast Area (sidewalk bridge level)	4/23/10	3.53	Silica	NIOSH 7500 XRD	EMSL	4/26/10	1	No	No	
SILICA-ST4-4/23/10	041008461-0003	Northwest Area (street-level)	4/23/10	3.59	Silica	NIOSH 7500 XRD	EMSL	4/26/10	15	Yes	Yes	Note 1
SILICA-ST5-4/23/10	041008461-0004	Firehouse #10 (roof level)	4/23/10	3.46	Silica	NIOSH 7500 XRD	EMSL	4/26/10	< 1	No	No	
SILICA-ST11-4/23/10	041008461-0006	90 Trinity Place (roof level)	4/23/10	3.69	Silica	NIOSH 7500 XRD	EMSL	4/26/10	< 1	No	No	
SILICA-ST12-4/23/10	041008461-0007	110 Greenwich Street (roof level)	4/23/10	3.47	Silica	NIOSH 7500 XRD	EMSL	4/26/10	< 1	No	No	
SILICA-ST13-4/23/10	041008461-0008	Marriott Hotel, 38th Floor (roof level)	4/23/10	3.61	Silica	NIOSH 7500 XRD	EMSL	4/26/10	< 1	No	No	
SILICA-ST20-4/23/10	041008461-0005	Northeast Area, Sidewalk Bridge	4/23/10	3.6	Silica	NIOSH 7500 XRD	EMSL	4/26/10	< 1	No	No	
SILICA-ST200-4/23/10	041008461-0009	Station 20 Field Duplicate	4/23/10	3.74	Silica	NIOSH 7500 XRD	EMSL	4/26/10	< 1	No	No	

Note

1. There was an exceedance of the USEPA Site Specific Trigger Level for silica at Station 4 (Northwest Area [street level]) on April 23, 2010. After review of the site activities logs and off site visual observations, it has been determined that the silica exceedance measured at Station 4 on April 23, 2010 was most likely attributable to a combination of on-site and off-site activities as well as fugitive silica containing dusts dispersed by winds in Lower Manhattan. The silica exceedance may be attributable to the on-site activities including Brokk operation on the 17th floor as well as an excavator in the North yard at 130 Liberty Street loading/unloading concrete and steel debris. Off-site activities that may have contributed to the exceedance include: WTC site excavation in the Northeast area, concrete pouring in the Southeast area and steel construction in the Northwest, Southwest and Southeast areas as well as excavation activities on the lot North of 130 Cedar Street.