Attachment A

Personal Monitoring Data

Asbestos Personal Air Sampling Results for the WTC Residential Confirmation Cleaning Study

(Analytical Method NIOSH 7400 (PCM); NIOSH 7402 (TEM). Flow Rate 2.0 L/min, Minimum Sample Volume 400 L)

Sample Number	Location	ASBESTOS (f/cc)		Sample Number	Location	ASBESTOS (f/cc)	
PEL 0.1f/cc (PCM)		PCM	TEM	PEL 0.1f/cc (PCM)		PCM	TEM
APS-9094-A-062502-CA	Common-JN	0.024	<.003	APS-9094-A-070802-BA	5A	0.013	<.002
APS-9094-A-062502-JB	5C	0.022	<.003	APS-9094-A-070802-FB	BLANK	<	N/A
APS-9094-A-062502-FB	BLANK	<	N/A	APS-9094-A-070802-LB	LOT BLANK	<	N/A
APS-9094-A-062502-LB	LOT BLANK	<	N/A	APS-9094-A-070902-JB	4B	0.003	<.003
APS-9094-A-062602-BA	Common-BA	0.012	<.003	APS-9094-A-070902-JN	5A	0.002	<.002
APS-9094-A-062602-SC	Common	0.013	<.003	APS-9094-A-070902-FB	BLANK	<	N/A
APS-9094-A-062602-FB	BLANK	<	N/A	APS-9094-A-070902-LB	LOT BLANK	<	N/A
APS-9094-A-062602-LB	LOT BLANK	<	N/A	APS-9094-A-071002-GR	4B	0.022	0.007
APS-9094-A-062702-GR	5D	0.008	****	APS-9094-A-071002-SC	5A	0.031	<.003
APS-9094-A-062702-NF	5C	0.015	<.002	APS-9094-A-071002-FB	BLANK	<	N/A
APS-9094-A-062702-FB	BLANK	<	N/A	APS-9094-A-071002-LB	LOT BLANK	<	N/A
APS-9094-A-062702-LB	LOT BLANK	<	N/A	APS-9094-A-071102-JB	3C	0.022	<.002
APS-9094-A-062802-JB	5D/2B	0.012	<.002	APS-9094-A-071102-BA	3D	0.079	<.008
APS-9094-A-062802-JN	5C	0.016	<.002	APS-9094-A-071102-FB	BLANK	<	****
APS-9094-A-062802-FB	BLANK	<	N/A	APS-9094-A-071102-LB	LOT BLANK	<	****
APS-9094-A-062802-LB	LOT BLANK	<	N/A	APS-9094-A-071202-GR	3C	0.006	****
APS-9092-A-062902-SC	5C	overloaded		APS-9094-A-071202-JN	3D/MATRESS	0.006	****
APS-9094-A-062902-GR	2B	0.006	***	APS-9094-A-071202-FB	BLANK	<	****
APS-9094-A-062902-FB	BLANK	<	***	APS-9094-A-071202-LB	LOT BLANK	<	****
APS-9094-A-062902-LB	LOT BLANK	<	***	APS-9094-A-071302-RH	4A/MATRESS	0.038	<.011
ABS-9094-A-063002-JB	2B/4C	0.007	***	APS-9094-A-071302-SC	4D/4A/CHIRO	0.057	<.012
ABS-9094-A-063002-WA	4D	0.005	***	APS-9094-A-071302-FB	BLANK	<	N/A
APS-9094-A-063002-FB	BLANK	<	***	APS-9094-A-071302-LB	LOT BLANK	<	N/A
APS-9094-A-063002-LB	LOT BLANK	<	***	APS-9094-A-071502-GR	3A	0.018	<.002
APS-9094-A-070102-JN	4D	0.051	<.003	APS-9094-A-071502-BA	2A	0.021	<.002
APS-9094-A-070102-GR	4C	0.027	<.003	APS-9094-A-071502-FB	BLANK	N/A	N/A
APS-9094-A-070102-LB	LOT BLANK	N/A	N/A	APS-9094-A-071502-LB	LOT BLANK	N/A	N/A
APS-9094-A-070202-JB	4C	0.018	<.002	APS-9094-A-071602-JB	3A	0.011	<.002
APS-9094-A-070202-SC	4D/5A	0.016	<.002	APS-9094-A-071602-JN	2A	0.014	<.002
APS-9094-A-070202-FB	BLANK	<	N/A	APS-9094-A-071602-FB	BLANK	N/A	N/A
APS-9094-A-070202-LB	LOT BLANK	<	N/A	APS-9094-A-071602-LB	LOT BLANK	N/A	N/A
APS-9094-A-070302-JN	4C	0.01	<.004	APS-9094-A-071702-GR	3A	0.004	****
APS-9094-A-070302-FB	BLANK	<	N/A	APS-9094-A-071702-SC	MATRESS	0.023	<.003
APS-9094-A-070302-LB	LOT BLANK	<	N/A	APS-9094-A-071702-FB	BLANK	<	N/A
APS-9094-A-070802-GR	4C/4B	0.013	<.002				

***** The PCM was below the NYC reoccupancy standard (.01 f/cc) so TEM was not run.**

< - Below the dectection limit. This method assumes the limit of dectection is 7 f/mm2

N/A - Not Applicable

Asbestos Personal Air Sampling Results for the WTC Residential Confirmation Cleaning Study

(Analytical Method NIOSH 7400 (PCM); NIOSH 7402 (TEM). Flow Rate 2.0 L/min, Minimum Sample Volume 400 L)

Sample Number	Location	ASBESTOS (f/cc)		Sample Number	Location	ASBESTOS (f/cc)	
PEL 0.1f/cc (PCM)		PCM	TEM	PEL 0.1f/cc (PCM)		PCM	TEM
APS-9094-A-071702-LB	LOT BLANK	<	N/A	APS-9094-A-072602-LB	LOT BLANK	<	****
APS-9094-A-071802-JB	3A/4A	0.009	***	APS-9094-A-072702-JN	3C	0.039	<.005
APS-9094-A-071802-JN	MATRESS	0.037	<.003	APS-9094-A-072702-FB	BLANK	<	N/A
APS-9094-A-071802-FB	BLANK	N/A	***	APS-9094-A-072902-JB	THAI	0.039	<.004
APS-9094-A-071802-LB	LOT BLANK	N/A	***	APS-9094-A-072902-SC	3C	0.039	overloaded
APS-9094-A-071902-NF	CHIRO	OVERLOADED	0.053	APS-9094-A-072902-FB	BLANK	<	N/A
APS-9094-A-071902-BA	MATRESS	0.013	<.002	APS-9094-A-072902-LB	LOT BLANK	<	N/A
APS-9094-A-071902-FB	BLANK	<	N/A	APS-9094-A-073002-BA	THAI	0.005	****
APS-9094-A-071902-LB	LOT BLANK	<	N/A	APS-9094-A-073002-SC	CHIRO/CA	0.006	****
APS-9094-A-072002-SC	MATRESS	0.017	<.002	APS-9094-A-073002-FB	BLANK	<	****
APS-9094-A-072002-RH	CHIRO	OVERLOADED	>.004	APS-9094-A-073002-LB	LOT BLANK	<	****
APS-9094-A-072002-GR	4A	0.011	<.007	APS-9094-A-073102-JN	MATRESS	0.009	****
APS-9094-A-072002-FB	BLANK	<	***	APS-9094-A-073102-GR	THAI	0.022	****
APS-9094-A-072002-LB	LOT BLANK	<	***	APS-9094-A-073102-FB	BLANK	<	N/A
APS-9094-A-072202-NF	CHIRO	0.019	<.002	APS-9094-A-073102-LB	LOT BLANK	<	N/A
APS-9094-A-072202-JN	MATRESS	0.012	<.002	APS-9094-A-080102-SC	CHIRO	0.009	****
APS-9094-A-072202-JB	4A	0.009	***	APS-9094-A-080102-BA	THAI	0.007	****
APS-9094-A-072202-FB	BLANK	<	N/A	APS-9094-A-080102-FB	BLANK	<	****
APS-9094-A-072202-LB	LOT BLANK	<	N/A	APS-9094-A-080102-LB	LOT BLANK	<	****
APS-9094-A-072302-SC	3D	0.016	<.002	APS-9094-A-080202-GR	THAI	<.002	****
APS-9094-A-072302-NF	CA/THAI/3B	0.021	<.002	APS-9094-A-080202-JN	MATRESS/CA	<.002	****
APS-9094-A-072302-FB	BLANK	<	N/A	APS-9094-A-080202-FB	BLANK	<	****
APS-9094-A-072302-LB	LOT BLANK	<	N/A	APS-9094-A-080202-LB	LOT BLANK	<	****
APS-9094-A-072402-NF	CHIRO	0.048	<.008	APS-9094-A-080302-SC	MATRESS	0.004	****
APS-9094-A-072402-JN	4C/CA	0.049	<.006	APS-9094-A-080302-BA	CA	0.006	****
APS-9094-A-072402-FB	BLANK	<	N/A	APS-9094-A-080302-FB	BLANK	<	****
APS-9094-A-072402-LB	LOT BLANK	<	N/A	APS-9094-A-080302-LB	LOT BLANK	<	****
APS-9094-A-072502-SC	CA/5C	0.034	<.002	APS-9094-A-080502-GR	THAI	0.004	****
APS-9094-A-072502-BA	3B	0.021	<.004	APS-9094-A-080502-JN	THAI	0.005	****
APS-9094-A-072502-FB	BLANK	<	N/A	APS-9094-A-080502-FB	BLANK	<	****
APS-9094-A-072502-LB	LOT BLANK	<	N/A	APS-9094-A-080502-LB	LOT BLANK	<	****
APS-9094-A-072602-GR	3B	0.004	***	APS-9094-A-080602-JN	THAI	0.002	****
APS-9094-A-072602-JB	55 Liberty	0.004	***	APS-9094-A-080602-FB	BLANK	<	****
APS-9094-A-072602-JN	5C/THAI	0.007	***	APS-9094-A-080702-BA	THAI	0.002	****
APS-9094-A-072602-FB	BLANK	<	***	APS-9094-A-080702-FB	BLANK	<	****

***** The PCM was below the NYC reoccupancy standard (.01 f/cc) so TEM was not run.**

< - Below the dectection limit. This method assumes the limit of dectection is 7 f/mm2

N/A - Not Applicable

Asbestos Personal Air Sampling Results for the WTC Residential Confirmation Cleaning Study

(Analytical Method NIOSH 7400 (PCM); NIOSH 7402 (TEM). Flow Rate 2.0 L/min, Minimum Sample Volume 400 L)

Sample Number	Location	ASBESTOS (f/cc)		Sample Number	Location	ASBESTOS (f/cc)	
PEL 0.1f/cc (PCM)		PCM	TEM	PEL 0.1f/cc (PCM)		PCM	TEM
APS-9094-A-080802-SC	THAI	0.007	***	APS-9094-A-090402-SC	FOOD X	0.004	N/A
APS-9094-A-080802-FB	BLANK	<	***	APS-9094-A-090402-FB	BLANK	<	N/A
APS-9094-A-080902-JN	THAI	0.006	***	APS-9094-A-090502-JN	FOOD X	<.003	N/A
APS-9094-A-080902-FB	BLANK	<	***	APS-9094-A-090502-FB	BLANK	<	N/A
APS-9094-A-081202-JN	4B	0.016	<.003	APS-9094-A-090602-SC	5TH CA	0.019	<.005
APS-9094-A-081202-FB	BLANK	<	N/A	APS-9094-A-090602-FB	BLANK	<	N/A
APS-9094-A-081302-SC	5TH CA	0.007	***	APS-9094-A-090902-JN	3D	0.011	<.003
APS-9094-A-081302-FB	BLANK	<	***	APS-9094-A-090902-SC	4A	0.018	N/A
APS-9094-A-081502-SC	FOOD X	0.022	<.003	APS-9094-A-090902-FB	BLANK	<	N/A
APS-9094-A-081502-FB	BLANK	<	N/A	APS-9094-A-091002-JN	2A	0.005	N/A
APS-9094-A-081602-SC	FOOD X	0.008	***	APS-9094-A-091002-SC	5C	0.007	N/A
APS-9094-A-081602-FB	BLANK	<	***	APS-9094-A-091002-FB	BLANK	<	N/A
APS-9094-A-081902-JN	FOOD X	0.038	<.003	APS-9094-A-091202-SC	MATTRESS/CHIRO	0.011	<.002
APS-9094-A-081902-FB	BLANK	<	***	APS-9094-A-091202-JN	3C	0.005	<.002
APS-9094-A-082002-SC	FOOD X	0.02		APS-9094-A-091302-JN	BARBER	0.131	<.008
APS-9094-A-082002-FB	BLANK	<	***	APS-9094-A-091602-JN	BARBER	overloaded	0.007
APS-9094-A-082102-JN	FOOD X	0.009	***	APS-9094-A-091602-SC	FOOD X	0.008	N/A
APS-9094-A-082102-FB	BLANK	<	***	APS-9094-A-091602-FB	BLANK	<	N/A
APS-9094-A-082202-SC	FOOD X	0.014	<.002	APS-9094-A-091702-JN	BARBER	overloaded	0.003
APS-9094-A-082202-FB	BLANK	<	N/A	APS-9094-A-091702-SC	FOOD X	0.015	<.003
APS-9094-A-082302-JN	FOOD X	<.005	***	APS-9094-A-091702-FB	BLANK	<	N/A
APS-9094-A-082302-FB	BLANK	<	N/A	APS-9094-A-091802-SC	THAI	0.017	0.002
APS-9094-A-082602-SC	FOOD X	0.022	<.003	APS-9094-A-091802-JN	BARBER	0.033	<.002
APS-9094-A-082602-FB	BLANK	<	N/A	APS-9094-A-091802-FB	BLANK	<	N/A
APS-9094-A-082802-SC	FOOD X	0.02	<.002	APS-9094-A-091902-SC	FOOD X	0.006	<.002
APS-9094-A-082802-FB	BLANK	<	N/A	APS-9094-A-091902-JN	5C/BARBER	0.025	<.002
APS-9094-A-082902-JN	FOOD X	0.007	***	APS-9094-A-091902-FB	BLANK	<	N/A
APS-9094-A-082902-FB	BLANK	<	N/A	APS-9094-A-092402-SC	N-STRS/3RD FL	0.019	<.002
APS-9094-A-083002-SC	FOOD X	0.028	<.006	APS-9094-A-092402-JN	BARBER	0.011	<.002
APS-9094-A-083002-FB	BLANK	<	N/A	APS-9094-A-092402-FB	BLANK	<	N/A
APS-9094-A-090302-JN	FOOD X	0.028	<0.003	APS-9094-A-092502-SC	S-STRS/2ND FL	0.007	N/A
APS-9094-A-090302-FB	BLANK	<	N/A	APS-9094-A-092502-FB	BLANK	<	N/A

***** The PCM was below the NYC reoccupancy standard (.01 f/cc) so TEM was not run.**

< - Below the dectection limit. This method assumes the limit of dectection is 7 f/mm2

N/A - Not Applicable

Lead Personal Air Sampling Results for the WTC Residential Confirmation Cleaning Study

(Analytical Method NIOSH 7300, Flow Rate 2.0 L/min PEL 50 ug/m^3)

Sample Number	Location	LEAD (ug/m^3)		Sample Number	Location	LEAD (ug/m^3)
LPS-9094-A-062502-CA	Common-JN	<.269		LPS-9094-A-070802-FB	BLANK	<.250
LPS-9094-A-062502-JB	5C	0.909		LPS-9094-A-070802-LB	LOT BLANK	0.268
LPS-9094-A-062502-FB	BLANK	<.25		LPS-9094-A-070902-JB	4B	<.169
LPS-9094-A-062502-LB	LOT BLANK	<.25		LPS-9094-A-070902-JN	5A	0.433
LPS-9094-A-062602-BA	Common-BA	<.233		LPS-9094-A-070902-FB	BLANK	<.250
LPS-9094-A-062602-SC	Common	<.347		LPS-9094-A-070902-LB	LOT BLANK	<.250
LPS-9094-A-062602-FB	BLANK	<.25		LPS-9094-A-071002-GR	4B	1.68
LPS-9094-A-062602-LB	LOT BLANK	<.25		LPS-9094-A-071002-SC	5A	0.272
LPS-9094-A-062702-GR	5D	<.238		LPS-9094-A-071002-FB	BLANK	0.328
LPS-9094-A-062702-NF	5C	<.0213		LPS-9094-A-071002-LB	LOT BLANK	0.267
LPS-9094-A-062702-FB	BLANK	<.25		LPS-9094-A-071102-BA	3D	0.234
LPS-9094-A-062702-LB	LOT BLANK	<.25		LPS-9094-A-071102-JB	3C	0.245
LPS-9094-A-062802-JB	5D/2B	<.202		LPS-9094-A-071102-FB	BLANK	<.250
LPS-9094-A-062802-JN	5C	<.202		LPS-9094-A-071102-LB	LOT BLANK	<.250
LPS-9094-A-062802-FB	BLANK	<.25		LPS-9094-A-071202-GR	3C	<.242
LPS-9094-A-062802-LB	LOT BLANK	<.25		LPS-9094-A-071202-JN	3D/MATRESS	<.258
LPS-9094-A-062902-SC	5C	<.211		LPS-9094-A-071202-FB	BLANK	<.25
LPS-9094-A-062902-GR	2B	<.273		LPS-9094-A-071202-LB	LOT BLANK	<.25
LPS-9094-A-062902-FB	BLANK	<.250		LPS-9094-A-071302-SC	Chiro/4D/4A	<.0395
LPS-9094-A-062902-LB	LOT BLANK	<.250		LPS-9094-A-071302-RH	4A/MATRESS	<.0418
LPS-9094-A-063002-FB	BLANK	<.250		LPS-9094-A-071302-FB	BLANK	<.25
LPS-9094-A-063002-LB	LOT BLANK	<.250		LPS-9094-A-071302-LB	LOT BLANK	<.25
LBS-9094-A-063002-JB	2B/4C	<.210		LPS-9094-A-071502-GR	3A	<.209
LBS-9094-A-063002-WA	4D	0.387		LPS-9094-A-071502-BA	2A	<.0214
LPS-9094-A-070102-GR	4C	<.255		LPS-9094-A-071502-FB	BLANK	<.25
LPS-9094-A-070102-FB	BLANK	<.25		LPS-9094-A-071502-LB	LOT BLANK	<.25
LPS-9094-A-070102-LB	LOT BLANK	<.25		LPS-9094-A-071602-JB	3A	<.225
LPS-9094-A-070202-JB	4C	<.207		LPS-9094-A-071602-JN	2A	<.227
LPS-9094-A-070202-SC	4D/5A	<.205		LPS-9094-A-071602-FB	BLANK	<.25
LPS-9094-A-070202-FB	BLANK	<.250		LPS-9094-A-071602-LB	LOT BLANK	<.25
LPS-9094-A-070202-LB	LOT BLANK	<.250		LPS-9094-A-071702-SC	MATRESS	0.277
LPS-9094-A-070302-JN	4C	<.269		LPS-9094-A-071702-GR	3A	<.216
LPS-9094-A-070302-FB	BLANK	<.250		LPS-9094-A-071702-FB	BLANK	<.250
LPS-9094-A-070302-LB	LOT BLANK	<.250		LPS-9094-A-071702-LB	LOT BLANK	<.250
LPS-9094-A-070802-GR	4C/4B	0.244		LPS-9094-A-071802-JN	MATRESS	0.277
LPS-9094-A-070802-BA	5A	0.36		LPS-9094-A-071802-JB	3A/4A	<.208

Lead Personal Air Sampling Results for the WTC Residential Confirmation Cleaning Study

(Analytical Method NIOSH 7300, Flow Rate 2.0 L/min PEL 50 ug/m^3)

Sample Number	Location	LEAD (ug/m^3)		Sample Number	Location	LEAD (ug/m^3)
LPS-9094-A-071802-FB	BLANK	<.250		LPS-9094-A-072202-FB	BLANK	<.250
LPS-9094-A-071802-LB	LOT BLANK	<.250		LPS-9094-A-072202-LB	LOT BLANK	<.250
LPS-9094-A-071902-BA	MATRESS	<.206		LPS-9094-A-072302-SC	3D	<.272
LPS-9094-A-071902-NF	CHIRO	0.312		LPS-9094-A-072302-NF	CA/THAI/3B	0.272
LPS-9094-A-071902-FB	BLANK	<.250		LPS-9094-A-072302-FB	BLANK	<.250
LPS-9094-A-071902-LB	LOT BLANK	<.250		LPS-9094-A-072302-LB	LOT BLANK	<.250
LPS-9094-A-072002-RH	CHIRO	0.765		LPS-9094-A-072402-NF	CHIRO	0.328
LPS-9094-A-072002-FB	BLANK	<.250		LPS-9094-A-072402-JN	4C/CA	<.218
LPS-9094-A-072002-LB	LOT BLANK	<.250		LPS-9094-A-072402-FB	BLANK	<.250
LPS-9094-A-072202-NF	CHIRO	<.224		LPS-9094-A-072402-LB	LOT BLANK	<.250

Silica Personal Air Sampling Results for the WTC Residential Confirmation Cleaning Study

(Analytical Method NIOSH 7500, Flow Rate 2.5 L/min, Required Volume 400 to 1,000 L)

SILICA													
Sample Number	**Location**	**Quartz**		**Cristobalite ****		**Tridymite**		**Gypsum**		**Calcite**		**Portlandite**	
		(mg)	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**
PEL* mg/m^3			**0.1**		**0.05**		**0.05**		**5**		**5**		**5**
SPS-9094-A-062502-CA	Common-JN	0.027	0.029	0.317	0.337	0.09	0.096	0.31	0.033	0.058	0.062	0.034	0.036
SPS-9094-A-062502-JB	5C	0.099	0.108	0.359	0.393	<.02	<.022	<.02	<.022	<.02	<.022	<.02	<.022
SPS-9094-A-062502-FB	BLANK	<.005	N/A	<.020	N/A	<..020	N/A	N/A	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-062502-LB	LOT BLANK	0.013	N/A	0.395	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-062602-BA	Common-BA	0.011	0.016	0.047	0.067	<.02	<.029	<.02	<.014	<.02	0.014	<.02	<.014
SPS-9094-A-062602-SC	Common	<.01	<.009	0.035	0.031	<.02	<.018	<.02	<.009	<.02	<.009	<.02	<.014
SPS-9094-A-062602-FB	BLANK	<.01	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-062602-LB	LOT BLANK	0.007	N/A	0.109	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-062702-GR	5D	<.005	<.043	<.20	<.017	<.02	<.017	<.02	<.017	<.02	<.017	<.02	<.017
SPS-9094-A-062702-NF	5C	0.011	0.009	0.209	0.179	0.104	0.089	0.023	0.02	0.021	0.018	0.02	0.017
SPS-9094-A-062702-FB	BLANK	<.005	N/A	0.021	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-062702-LB	LOT BLANK	<.005	N/A	0.021	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-062802-JB	5D/2B	<.005	<.004	<.02	<.016	<.02	<.016	<.02	<.016	<.02	<.016	<.02	<.016
SPS-9094-A-062802-JN	5C	0.005	0.004	0.095	0.078	0.029	0.024	<.02	<.016	<.02	<.016	<.02	<.016
SPS-9094-A-062802-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-062802-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-062902-SC	5C	<.005	<.003	<.02	<.01329	<.02	<.01329	<.02	<.013	<.02	<.013	<.02	<.013
SPS-9094-A-062902-GR	2B	0.016	0.012	<.02	<.01490	<.02	<.01490	0.045	0.034	<.02	<.015	<.02	<.015
SPS-9094-A-062902-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-062902-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-063002-JB	2B/4C	0.012	0.008	<.02	<.01412	<.02	<.01412	<.02	<.014	<.02	<..014	<.02	<.014
SPS-9094-A-063002-WA	4D	<.005	<.003	<.02	<.01338	<.02	<.01338	<.02	<.013	<.02	<.013	<.02	<.013
SPS-9094-A-063002-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-063002-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-070102-JN	4D	<.005	<.004	0.034	0.028	0.032	0.027	<.02	<.017	<.02	<.017	<.02	<.017
SPS-9094-A-070102-GR	4C	<.005	<.004	<.02	<.017	<.02	<.017	<.02	<.017	<.02	<.017	<.02	<.017
SPS-9094-A-070102-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-070102-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-070202-JB	4C	<.006	0.004	0.025	0.016	<.02	<.013	<.02	<.013	<.02	<.013	<.02	<.013
SPS-9094-A-070202-SC	4D/5A	<.005	<.003	0.029	0.018	<.02	<.013	<.02	<.013	<.02	<.013	<.02	<.013
SPS-9094-A-070202-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-070202-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-070302-JN	4C	<.005	<.007	<.02	<.027	<.02	<.027	<.02	<.027	<.02	<.027	<.02	<.027

AS - The lowest reportable value is equivalent to the Analytical Sensitivity which is calculated from the lowest reproducible concentration of silica detectable by the instrument.
N/A - Not Applicable

Silica Personal Air Sampling Results for the WTC Residential Confirmation Cleaning Study

(Analytical Method NIOSH 7500, Flow Rate 2.5 L/min, Required Volume 400 to 1,000 L)

SILICA													
Sample Number	**Location**	**Quartz**		**Cristobalite ****		**Tridymite**		**Gypsum**		**Calcite**		**Portlandite**	
		(mg)	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**
PEL* mg/m^3			**0.1**		**0.05**		**0.05**		**5**		**5**		**5**
SPS-9094-A-070302-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-070302-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-070802-GR	4C/4B	<.005	<.003	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014
SPS-9094-A-070802-BA	5A	<.005	<.003	<.02	<.013	<.02	<.013	<.02	<.013	<.02	<.013	<.02	<.013
SPS-9094-A-070802-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-070802-LB	LOT BLANK	0.011	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-070902-JN	5A	0.032	0.022	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014
SPS-9094-A-070902-JB	4B	<.005	<.003	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014
SPS-9094-A-070902-FB	BLANK	0.1	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-070902-LB	LOT BLANK	0.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071002-GR	4B	<.020	<.014	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014
SPS-9094-A-071002-SC	5A	<.050	<.032	<.02	<.013	<.02	<.013	<.02	<.014	<.02	<.013	<.02	<.013
SPS-9094-A-071002-FB	BLANK	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071002-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071102-BA	3D	0.013	0.009	<.02	<.014	<.02	<.014	0.018	0.012	<.02	<.014	<.02	<.014
SPS-9094-A-071102-JB	3C	0.007	0.005	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014
SPS-9094-A-071102-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071102-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071202-GR	3C	<.005	<.004	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014
SPS-9094-A-071202-JN	3D/MATRESS	<.005	<.003	<.02	<.013	<.02	<.013	0.013	0.009	<.013	<.013	<.02	<.013
SPS-9094-A-071202-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071202-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071302-RH	4A/MATRESS	<.005	<.006	<.02	<.022	<.02	<.022	0.012	0.013	<.02	<.022	<.02	<.022
SPS-9094-A-071302-SC	4D/4A	<.005	<.005	<.02	<.022	<.02	<.022	<.02	<.022	<.02	<.022	<.02	<.022
SPS-9094-A-071302-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071302-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071502-GR	3A	<.005	<.003	<.02	<.013	<.02	<.013	<.02	<.013	<.02	<.013	<.02	<.013
SPS-9094-A-071502-BA	2A	0.009	0.006	<.02	<.014	<.02	<.014	0.012	<.014	<.02	<.014	<.02	<.014
SPS-9094-A-071502-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071502-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071602-JB	3A	<.005	<.004	<.02	<.014	<.02	<.014	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071602-JN	2A	<.005	<.004	<.02	<.014	<.02	<.014	<.02	N/A	<.02	N/A	<.02	N/A

AS - The lowest reportable value is equivalent to the Analytical Sensitivity which is calculated from the lowest reproducible concentration of silica detectable by the instrument.
N/A - Not Applicable

Silica Personal Air Sampling Results for the WTC Residential Confirmation Cleaning Study

(Analytical Method NIOSH 7500, Flow Rate 2.5 L/min, Required Volume 400 to 1,000 L)

SILICA													
Sample Number	**Location**	**Quartz**		**Cristobalite ****		**Tridymite**		**Gypsum**		**Calcite**		**Portlandite**	
		(mg)	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**
PEL* mg/m^3			**0.1**		**0.05**		**0.05**		**5**		**5**		**5**
SPS-9094-A-071602-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	<.014	<.02	<.014	<.02	<.014
SPS-9094-A-071602-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	<.014	<.02	<.014	<.02	<.014
SPS-9094-A-071702-GR	3A	<.005	<.003	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014
SPS-9094-A-071702-SC	MATRESS	<.005	<.004	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014
SPS-9094-A-071702-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071702-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071802-JB	3A/4A	0.03	0.02	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014	<.02	<.014
SPS-9094-A-071802-JN	MATRESS	0.005	0.004	<.02	<.016	<.02	<.016	<.02	<.014	<.02	<.016	<.02	<.015
SPS-9094-A-071802-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071802-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071902-NF	CHIRO	<.005	<.004	<.02	<.017	<.02	<.017	0.024	0.02	<.02	<.017	<.02	<.017
SPS-9094-A-071902-BA	MATRESS	<.005	<.003	<.02	<.013	<.02	<.013	<.02	<.013	<.02	<.013	<.02	<.013
SPS-9094-A-071902-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-071902-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-072002-SC	MATRESS	<.005	<.003	<.02	<.013	<.02	<.013	0.018	0.012	<.02	<.013	<.02	<.013
SPS-9094-A-072002-RH	CHIRO	<.005	<.003	<.02	<.014	<.02	<.014	0.023	0.016	<.02	<.014	<.02	<.014
SPS-9094-A-072002-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-072002-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-072202-NF	CHIRO	<.005	<.004	<.02	<.014	<.02	<.014	0.014	0.01	<.02	<.014	<.02	<.014
SPS-9094-A-072202-JN	MATRESS	<.005	<.004	<.02	<.014	<.02	<.014	0.01	0.007	<.02	<.014	<.02	<.014
SPS-9094-A-072202-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-072202-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-072302-SC	3D	<.005	<.003	<.02	<.014	<.02	<.014	<.01	<.007	<.02	<.014	<.02	<.014
SPS-9094-A-072302-NF	CA/THAI/3B	<.005	<.003	<.02	<.014	<.02	<.014	<.01	<.007	<.02	<.014	<.02	<.014
SPS-9094-A-072302-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-072302-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-072402-NF	CHIRO	<.005	<.003	<.02	<.014	<.02	<.014	<.01	<.007	<.02	<.014	<.02	<.014
SPS-9094-A-072402-JN	4C/CA	<.005	<.003	<.02	<.014	<.02	<.014	<.01	<.007	<.02	<.014	<.02	<.014
SPS-9094-A-072402-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-072402-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-072502-SC	CA/5C	<.005	<.003	<.02	<.003	<.02	<.013	0.011	0.007	<.02	<.013	<.02	<.013
SPS-9094-A-072502-BA	3B	<.005	<.003	<.02	<.003	<.02	<.014	<.01	0.007	<.02	<.014	<.02	<.014
SPS-9094-A-072502-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	<as	<.02	N/A

AS - The lowest reportable value is equivalent to the Analytical Sensitivity which is calculated from the lowest reproducible concentration of silica detectable by the instrument.
N/A - Not Applicable

Silica Personal Air Sampling Results for the WTC Residential Confirmation Cleaning Study

(Analytical Method NIOSH 7500, Flow Rate 2.5 L/min, Required Volume 400 to 1,000 L)

SILICA													
Sample Number	**Location**	**Quartz**		**Cristobalite ****		**Tridymite**		**Gypsum**		**Calcite**		**Portlandite**	
		(mg)	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**
PEL* mg/m^3			**0.1**		**0.05**		**0.05**		**5**		**5**		**5**
SPS-9094-A-072502-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	<as	<.02	N/A
SPS-9094-A-072602-JN	5C/THAI	<.005	<.003	<.02	<.013	<.02	<.013	<.01	<.007	<.02	<.013	<.02	<.013
SPS-9094-A-072602-GR	3B	<.005	<.003	<.02	<.013	<.02	<.013	<.01	<.007	<.02	<.013	<.02	<.013
SPS-9094-A-072602-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-072602-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-072702-JN	3C	<.005	<.008	<.02	<.032	<.02	<.032	<.01	<.016	<.02	<.032	<.02	<.032
SPS-9094-A-072702-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-072902-JB	THAI	<.005	<.003	<.020	<.013	<.02	<.013	<0.10	<.007	<.02	<.013	<.02	<.013
SPS-9094-A-072902-SC	3C	<.005	<.003	<.020	<.014	<.02	<.014	0.013	0.009	<.02	<.013	<.02	<.013
SPS-9094-A-072902-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.010	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-072902-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.010	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-073002-BA	THAI	<.005	<.003	<.02	<.014	<.02	<.014	<.01	<.007	<.02	<.014	<.02	<.014
SPS-9094-A-073002-SC	CHIRO/CA	<.005	<.003	<.02	<.014	<.02	<.014	<.01	<.007	<.02	<.014	<.02	<.014
SPS-9094-A-073002-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-073002-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-073102-JN	MATRESS	<.005	<.004	<.02	<.014	<.02	<.014	<.01	<.007	<.02	<.014	<.02	<.014
SPS-9094-A-073102-GR	THAI	<.005	<.004	<.02	<.014	<.02	<.014	<.01	<.007	<.02	<.014	<.02	<.014
SPS-9094-A-073102-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-073102-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-080102-SC	CHIRO	0.011	0.008	<.02	<.014	<.02	<.014	<.01	<.007	0.027	0.019	<.02	<.014
SPS-9094-A-080102-BA	THAI	<.005	<.004	<.02	<.014	<.02	<.014	<.01	<.007	<.02	<.014	<.02	<.014
SPS-9094-A-080102-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-080102-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-080202-GR	THAI	<.005	<.004	<.02	<.014	<.02	<.014	<.01	<0.07	<.02	<.014	<.02	<.014
SPS-9094-A-080202-JN	MATRESS/CA	<.005	<.004	<.02	<.014	<.02	<.014	<.01	<0.07	<.02	<.014	<.02	<.014
SPS-9094-A-080202-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-080202-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-080302-SC	MATRESS	<.005	<.006	<.02	<.023	<.02	<.023	<.01	<.011	<.02	<.023	<.02	<.023
SPS-9094-A-080302-BA	CA	<.005	<.006	<.02	<.023	<.02	<.023	<.01	<.011	<.02	<.023	<.02	<.023
SPS-9094-A-080302-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-080302-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-080502-GR	THAI	0.011	0.008	<.02	<.015	<.02	<.015	<.01	<.007	<.02	<.015	<.02	<.015
SPS-9094-A-080502-JN	THAI	<.005	<.0004	<.02	<.015	<.02	<.015	<.01	<.007	<.02	<.015	<.02	<.015

AS - The lowest reportable value is equivalent to the Analytical Sensitivity which is calculated from the lowest reproducible concentration of silica detectable by the instrument.
N/A - Not Applicable

Silica Personal Air Sampling Results for the WTC Residential Confirmation Cleaning Study

(Analytical Method NIOSH 7500, Flow Rate 2.5 L/min, Required Volume 400 to 1,000 L)

SILICA													
Sample Number	**Location**	**Quartz**		**Cristobalite ****		**Tridymite**		**Gypsum**		**Calcite**		**Portlandite**	
		(mg)	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**
PEL* mg/m^3			**0.1**		**0.05**		**0.05**		**5**		**5**		**5**
SPS-9094-A-080502-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-080502-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-080602-JN	THAI	<.005	<.004	<.02	<.014	<.02	<.014	<.01	<.007	<.02	<.014	<.02	<.014
SPS-9094-A-080602-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-080702-BA	THAI	<.005	<.002	<.02	<.008	<.02	<.008	<.01	<.004	<.02	<.008	<.02	<.008
SPS-9094-A-080702-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-080802-BA	THAI	<.005	<.002	<.02	<.008	<.02	<.008	<.01	<.004	<.02	<.008	<.02	<.008
SPS-9094-A-080802-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-080902-JN	THAI	<.005	<.007	<.02	<.027	<.02	<.027	<.01	<.027	<.02	<.014	<.02	<.027
SPS-9094-A-080902-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-081202-JN	4B	<.005	<.005	<.02	<.02	<.02	<.02	<.01	<.01	<.02	<.02	<.02	0.01
SPS-9094-A-081202-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-081302-SC	5th CA	<.005	<.015	<.02	<.015	<.02	<.015	<.02	<.015	<.02	<.015	<.02	<.015
SPS-9094-A-081302-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-081502-SC	FOOD X	<.005	<.004	<.02	<.017	<.02	<.017	<.01	<.009	<.02	<.017	<.02	<.017
SPS-9094-A-081502-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-081602-SC	FOOD X	<.005	<.004	<.02	<.018	<.02	<.018	<.01	<.009	<.02	<.018	<.02	<AS
SPS-9094-A-081602-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-081902-JN	FOOD X	<.005	<AS	<.02	<AS	<.02	<AS	<.01	<.009	<.02	<.018	<.02	<.018
SPS-9094-A-081902-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-082002-SC	FOOD X	<.005	<.004	<.02	<.014	<.02	<.014	<.01	<.007	<.02	<.017	<.02	<.014
SPS-9094-A-082002-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-082102-JN	FOOD X	<.005	<.004	<.02	<.014	<.02	<.014	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-082102-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-082202-SC	FOOD X	<.005	<.004	<.02	<.014	<.02	<.014	<.01	<.007	<.02	<.014	<.02	<.014
SPS-9094-A-082202-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-082302-JN	FOOD X	<.005	<.007	<.02	<.027	<.02	<.027	<.01	<.013	<.02	<.027	<.02	<.027
SPS-9094-A-082302-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-082602-SC	FOOD X	<.005	<.004	<.02	<.017	<.02	<.017	<.01	0.009	<.02	<.017	<.02	<.017
SPS-9094-A-082602-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-082802-SC	FOOD X	<.005	<.003	<.02	<.013	<.02	<.013	<.01	<.007	<.02	<.013	<.02	<.013
SPS-9094-A-082802-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-082902-JN	FOOD X	<.005	<.003	<.02	<.014	<.02	<.014	<.02	<.007	<.02	<.014	<.02	<.014

AS - The lowest reportable value is equivalent to the Analytical Sensitivity which is calculated from the lowest reproducible concentration of silica detectable by the instrument.
N/A - Not Applicable

Silica Personal Air Sampling Results for the WTC Residential Confirmation Cleaning Study

(Analytical Method NIOSH 7500, Flow Rate 2.5 L/min, Required Volume 400 to 1,000 L)

SILICA													
Sample Number	**Location**	**Quartz**		**Cristobalite ****		**Tridymite**		**Gypsum**		**Calcite**		**Portlandite**	
		(mg)	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**	**(mg)**	**(mg/m3)**
PEL* mg/m^3			**0.1**		**0.05**		**0.05**		**5**		**5**		**5**
SPS-9094-A-082902-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-083002-SC	FOOD X	<.005	<.009	<.02	<.035	<.02	<.035	<.01	<.018	<.02	<.035	<.02	<.035
SPS-9094-A-083002-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-090302-JN	FOOD X	0.006	0.005	<.02	<.017	<.02	<.015	<.01	<.008	<.02	<.017	<.02	<.017
SPS-9094-A-090302-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-090402-SC	FOOD X	<.005	<.003	<.02	<.014	<.02	<.014	<.01	<.007	<.02	<.014	<.02	<.014
SPS-9094-A-090402-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-090502-JN	FOOD X	<.005	<.003	<.02	<.013	<.02	<.013	0.01	0.007	<.02	<.013	<.02	<.013
SPS-9094-A-090502-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-090602-SC	5TH CA	<.005	<.008	<.02	<.032	<.02	<.032	<.01	<.016	<.02	<.032	<.02	<.032
SPS-9094-A-090602-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.2	N/A
SPS-9094-A-090902-SC	4A	0.007	0.008	<.02	<.023	<.02	<.023	0.035	0.039	0.071	0.08	<.02	<.023
SPS-9094-A-090902-FB	BLANK	0.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-091302-JN	BARBER	<.005	<.012	<.02	<.047	<.02	<.047	0.01	0.023	<.02	<.047	<.02	<.047
SPS-9094-A-091302-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-091602-JN	BARBER	0.005	0.004	<.02	<.017	<.02	<.017	0.024	0.02	<.02	<.017	<.02	<.017
SPS-9094-A-091602-SC	FOOD X	<.005	<.004	<.02	<.017	<.02	<.017	<.01	<.009	<.02	<.017	<.02	<.017
SPS-9094-A-091602-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	0.024	0.02	<.02	N/A	<.02	N/A
SPS-9094-A-091602-LB	LOT BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	<.009	<.02	N/A	<.02	N/A
SPS-9094-A-091702-JN	BARBER	0.008	0.006	<.02	<.015	<.02	<.015	<.01	<.007	<.02	<.015	<.02	<.015
SPS-9094-A-091702-SC	FOOD X	0.005	0.004	<.02	<.015	<.02	<.015	<.01	<.007	<.02	<.015	<.02	<.015
SPS-9094-A-091702-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	N/A	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-091802-JN	BARBER	<.005	<.004	<.02	<.014	<.02	<.014	<.01	<.007	<.02	<.014	<.02	<.014
SPS-9094-A-091802-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-091902-SC	FOOD X	<.005	<.003	<.02	<.014	<.02	<.014	<.01	<.007	<.02	<.014	<.02	<.014
SPS-9094-A-091902-FB	BLANK	<.005	N/A	<.02	N/A	<.02	N/A	<.01	N/A	<.02	N/A	<.02	N/A
SPS-9094-A-092402-SC	N-STRS/3RD FL	<.005	<.003	<.02	<.014	<.02	<.014	<.01	<AS	<.02	<.014	<.02	<.014
SPS-9094-A-092402-JN	BARBER	0.005	0.003	<.020	<.013	<.02	<.013	<.01	<AS	<.02	<.013	<.02	<.013
SPS-9094-A-092402-FB	BLANK	<.005	N/A	<.020	N/A	<.02	N/A	<.010	N/A	<.02	N/A	<.02	N/A

AS - The lowest reportable value is equivalent to the Analytical Sensitivity which is calculated from the lowest reproducible concentration of silica detectable by the instrument.
N/A - Not Applicable

Silica Personal Air Sampling Results for the WTC Residential Confirmation Cleaning Study

(Analytical Method NIOSH 7500, Flow Rate 2.5 L/min, Required Volume 400 to 1,000 L)

***PEL for Quartz, Cristobalite and Tridymite**

The Permissible Exposure Limit for quartz (0.1 mg/m3) was arrived by using 100 in the denominator of the formula specified for quartz at 29CFR 1910.1000 Table Z-3. The cristobalite and tridymite PELs (0.05 mg/m3) were arrived at by halving the quartz value as specified at 29CFR 1910.1000 Table Z-3

****Suspiciously High Values of Cristobalite in EPA WTC Samples**

In this project, EMSL has been using the tertiary peak (non-overlapping with other five phases) for Cristobalite for estimating this phase if it is to be present. Some of the samples do show a strong diffraction peak in the angular region 30.2-32.4 degree 2-theta. However, there are reasons to suggest that these peaks may be due to some other phase, not Cristobalite.Three spectra from the project # 040208995 are enclosed. Each shows a strong peak and the true position for cristobalite superimposed. Clearly, the peaks in these samples are very mu displaced to the left with respect to the true position. For comparison purposes, a similar spectra taken on a 50 ug cristobalite standard is alsc EMSL Laboratories is using a disclaimer, that Cristobalite has not been confirmed in these samples and that estimates are only tentative.

***** The PCM was below the NYC reoccupancy standard (.01 f/cc). Therefore, TEM was not run.**

AS - The lowest reportable value is equivalent to the Analytical Sensitivity which is calculated from the lowest reproducible concentration of silica detectable by the instrument.
N/A - Not Applicable