

ASTM, Surface Dust Summary Data

Job Number: 061079 **SEA**
Client: ABC Environmental Company
Project Name: Dust Sample Analysis

Report Number: 061079R08
Date Received: 10/10/2007

Lab/Cor Sample No.: S1	Sample Area/Mass/Volume (cm2) : 100
Client Sample No.: TEM 1	Lab Filter Area (mm2) : 193
Description: Dust Sample #1	Grid Openings Analyzed : 10
Filter Fraction: 1	Average Grid Opening Area : 0.013
Residual Ash Vol: 20	Area Analyzed (mm2) : 0.13
Volume Taken: 0.25	Analytical Sens. (struc/cm2) : 1187.692
	Detection Limit. (struc/cm2) : 3551.2

Analyst(s) **Analysis Date**
KM 10/10/2007

Structure Type	Concentration (struc/cm2)	95% Confidence Interval (struc/cm2)	Structure Count ¹ Prim/Total
ASTM Asbestos >=0.5µm - <5.0µm	38006.154	25996.209 - 53654 - Poisson	32
ASTM Asbestos >=5.0µm	5938.462	1928.812 - 13859.182 - Poisson	5
ASTM Other >0.5µm	< 1187.692	0 - 4381.397 - Poisson	0
ASTM Total Asbestos >=0.5µm	43944.615	30939.385 - 60572.308 - Poisson	37

Reviewed by:

John Harris
John Harris, M.P.H.
Laboratory Director

* One-sided upper 95% Poisson confidence limits may be used to calculate sample concentrations ([Struc count] * [Analytical Sensitivity]) when the structure count is below 4. The limits are: 0 str - 0, 1 str - 1, 2 str - 2, 3 str - 3

ASTM, Surface Dust Raw Data

Job Number: 061079 **SEA**
Client: ABC Environmental Company
Project Name: Dust Sample Analysis

Ref. D-5755-03

Report Number: 061079R08
Date Received: 10/10/2007

Lab/Cor Sample No: S1
Client Sample No: TEM 1
Description: Dust Sample #1

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G1	1	D6	CDQ	1		Fiber	5	0.1	50	Chrysotile	Mg, Si		ASTM_Total, ASTM_>=5.0
						ItemType			ItemNum			Confirmed	Comment
						Brightfield			J001 BF				
						Diffraction			J001 DF			KM	10/10/2007
						Spectra			J001 SP				
G1	1	D6	CD	2		Fiber	1	0.1	10	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G1	1	D6	CD	3		Fiber	0.8	0.05	16	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G1	1	D6	CD	4		Fiber	2	0.08	25	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G1	1	D6	CD	5		Matrix 1-0	3	2	1.5	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G1	1	D6	CD	6		Bundle	2	0.2	10	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G1	2	A4	CD	7		Fiber	2	0.05	40	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G1	3	C9	CD	8		Fiber	2	0.08	25	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G1	3	C9	CD	9		Bundle	3	0.15	20	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G1	3	C9	CD	10		Bundle	6	0.2	30	Chrysotile			ASTM_Total, ASTM_>=5.0
G1	3	C9	CD	11		Fiber	1	0.1	10	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G1	4	H4	CD	12		Fiber	1	0.1	10	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G1	4	H4	CD	13		Bundle	3	0.2	15	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G1	4	H4	CD	14		Cluster 3-0	4	2	2	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G1	4	H4	CD	15		Matrix 4-0	10	5	2	Chrysotile			ASTM_Total, ASTM_>=5.0
G1	4	H4	CD	16		Fiber	3	0.08	37.5	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G1	5	A9	CD	17		Fiber	1	0.01	100	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G1	5	A9	CD	18		Fiber	3	0.05	60	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G1	5	A9	CD	19		Fiber	5	0.1	50	Chrysotile			ASTM_Total, ASTM_>=5.0
G1	5	A9	CD	20		Bundle	3.3	0.2	16.5	Chrysotile			ASTM_Total, ASTM_0.5-5.0

Count Categories

ASTM_>=5.0 ASTM Asbestos >=5.0µm ASTM_0.5-5.0 ASTM Asbestos >=0.5µm - <5.0µm ASTM_Total ASTM Total Asbestos >=0.5µm
 ASTMD_Other ASTM Other >0.5µm

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Lab/Cor Sample No: S1
Client Sample No: TEM 1
Description: Dust Sample #1

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G2	6	D6	CD	21		Fiber	3	0.1	30	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G2	6	D6	CD	22		Fiber	2.5	0.08	31.2	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G2	6	D6	CD	23		Fiber	1	0.08	12.5	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G2	7	G4	CD	24		Fiber	3	0.1	30	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G2	7	G4	CD	25		Fiber	2	0.2	10	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G2	7	G4	CD	26		Bundle	6	0.3	20	Chrysotile			ASTM_Total, ASTM_>=5.0
G2	8	A4	CD	27		Fiber	2.2	0.08	27.5	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G2	8	A4	CD	28		Matrix 2-0	3	2	1.5	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G2	8	A4	CD	29		Matrix 1-0	4	1	4	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G2	8	A4	CD	30		Fiber	2	0.08	25	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G2	8	A4	CD	31		Fiber	3	0.1	30	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G2	9	C8	CD	32		Fiber	3	0.1	30	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G2	9	C8	CD	33		Bundle	2	0.2	10	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G2	9	C8	CD	34		Fiber	3.5	0.08	43.8	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G2	10	H3	CD	35		Fiber	2.2	0.1	22	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G2	10	H3	CD	36		Fiber	1	0.08	12.5	Chrysotile			ASTM_Total, ASTM_0.5-5.0
G2	10	H3	CD	37		Fiber	3.3	0.15	22	Chrysotile			ASTM_Total, ASTM_0.5-5.0

Count Categories

ASTM_>=5.0 ASTM Asbestos >=5.0µm ASTM_0.5-5.0 ASTM Asbestos >=0.5µm - <5.0µm ASTM_Total ASTM Total Asbestos >=0.5µm
 ASTMD_Other ASTM Other >0.5µm

