

NIOSH 7402 (TEM) Summary Data

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

Report Number: 061079R07
Date Received: 10/10/2007

Lab/Cor Sample No.: S1
Client Sample No.: TEM 1
Description: Inside Hallway

Volume (L) : 1200
Lab Filter Area (mm2) : 385
Grid Openings Analyzed : 40
Average Grid Opening Area : 0.013
Area Analyzed (mm2) : 0.52
Analytical Sens. (fiber/cc) : 0.00062
Detection Limit. (fiber/cc) : 0.00184

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

Structure Type	Concentration* (fiber/cc)	95% Confidence Interval (fiber/cc)	Fiber Count ¹ Prim/Total
NIOSH ASBESTOS	0.007	0.003 - 0.012 - Poisson	11
NIOSH NonASBESTOS	0.003	0.001 - 0.007 - Poisson	5
NIOSH Other Amphibole	< 0.001	0 - 0.002 - Poisson	0
NIOSH Total Structures	0.01	0.006 - 0.016 - Poisson	16

¹ Concentration and 95% Confidence Level are calculated based upon the number showing under the Structure Count header.

Lab/Cor Sample No.: S2
Client Sample No.: TEM 2
Description: Inside Closet


Volume (L) : 1200
Lab Filter Area (mm2) : 385
Grid Openings Analyzed : 40
Average Grid Opening Area : 0.013
Area Analyzed (mm2) : 0.52
Analytical Sens. (fiber/cc) : 0.00062
Detection Limit. (fiber/cc) : 0.00184

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

Structure Type	Concentration* (fiber/cc)	95% Confidence Interval (fiber/cc)	Fiber Count ¹ Prim/Total
NIOSH ASBESTOS	0.002	0.001 - 0.006 - Poisson	4
NIOSH NonASBESTOS	0.003	0.001 - 0.007 - Poisson	5
NIOSH Other Amphibole	< 0.001	0 - 0.002 - Poisson	0
NIOSH Total Structures	0.006	0.003 - 0.011 - Poisson	9

¹ Concentration and 95% Confidence Level are calculated based upon the number showing under the Structure Count header.

Reviewed by:


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 - 0, 2 str - 0, 3 str - 0

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Lab/Cor Sample No: S1
Client Sample No: TEM 1
Description: Inside Hallway

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G1	1	A2				NSD							
G1	2	A4	NAM	1		Fiber	7	0.35	20	Non Asbestos Mineral	S, Ca	POSSIBLE GYPSUM	NIOSH_NAM, NIOSH_Total
G1	3	A6				NSD							
G1	4	A8	CDQ	2		Fiber	7	0.35	20	Chrysotile	Mg, Si		NIOSH_ASB, NIOSH_Total
							ItemType	ItemNum			Confirmed	Comment	
							Brightfield	J001 BF					
							Diffraction Spectra	J001 DF J001 SP			KM	10/10/2007	
G1	5	B9				NSD							
G1	6	B7				NSD							
G1	7	B5	ADQ	3		Fiber	9.5	0.6	15.8	Actinolite	Mg, Al, Si, Ca, Fe		NIOSH_ASB, NIOSH_Total
G1	8	B3	NAM	4		Fiber	7	0.8	8.8	Non Asbestos Mineral	S, Ca	POSSIBLE GYPSUM	NIOSH_NAM, NIOSH_Total
G1	9	B1				NSD							
G1	10	C2	CD	5		Fiber	6.2	0.3	20.7	Chrysotile			NIOSH_ASB, NIOSH_Total
G1	11	C4				NSD							
G1	12	C6				NSD							
G1	13	C8	AMQ	6		Fiber	20	1.2	16.7	Actinolite	Mg, Al, Si, Ca, Fe		NIOSH_ASB, NIOSH_Total
G1	14	C10				NSD							
G1	15	D9				NSD							
G1	16	D7				NSD							
G1	17	D5				NSD							
G1	18	D3	CD	7		Fiber	5.2	0.35	14.9	Chrysotile			NIOSH_ASB, NIOSH_Total
G1	19	D1				NSD							
G1	20	E2				NSD							
G2	21	A2	CD	8		Fiber	8.5	0.5	17	Chrysotile			NIOSH_ASB, NIOSH_Total

Count Categories

NIOSH_ASB NIOSH ASBESTOS
NIOSH_Total NIOSH Total Structures

NIOSH_NAM

NIOSH NonASBESTOS

NIOSH_Other

NIOSH Other Amphibole

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Lab/Cor Sample No: S1
Client Sample No: TEM 1
Description: Inside Hallway

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G2	22	A4				NSD							
G2	23	A6	NAM	9		Fiber	6	1.2	5	Non Asbestos Mineral	S, Ca	POSSIBLE GYPSUM	NIOSH_NAM, NIOSH_Total
G2	24	A8				NSD							
G2	25	B9	ADQ	10		Fiber	12.5	0.5	25	Actinolite	Mg, Al, Si, Ca, Fe		NIOSH_ASB, NIOSH_Total
G2	26	B7				NSD							
G2	27	B5				NSD							
G2	28	B3				NSD							
G2	29	B1	CD	11		Fiber	12.2	0.35	34.9	Chrysotile			NIOSH_ASB, NIOSH_Total
G2	30	C2				NSD							
G2	31	C4				NSD							
G2	32	C6	ADQ	12		Fiber	15	0.4	37.5	Actinolite	Mg, Al, Si, Ca, Fe		NIOSH_ASB, NIOSH_Total
						ItemType	ItemNum				Confirmed	Comment	
						Brightfield	J003 BF						
						Diffraction Spectra	J003 DF J003 SP				KM	10/10/2007	ZONE AXIS [1 0 0]
G2	33	C8				NSD							
G2	34	C10	NAM	13		Fiber	12	1.2	10	Non Asbestos Mineral	S, Ca	POSSIBLE GYPSUM	NIOSH_NAM, NIOSH_Total
G2	35	D9				NSD							
G2	36	D7	ADQ	14		Fiber	8.5	0.3	28.3	Actinolite	Mg, Al, Si, Ca, Fe		NIOSH_ASB, NIOSH_Total
G2	37	D5				NSD							
G2	38	D3	NAM	15		Fiber	6.5	1.2	5.4	Non Asbestos Mineral	S, Ca	POSSIBLE GYPSUM	NIOSH_NAM, NIOSH_Total
G2	39	D1				NSD							

Count Categories

NIOSH_ASB NIOSH ASBESTOS NIOSH_NAM NIOSH NonASBESTOS NIOSH_Other NIOSH Other Amphibole
 NIOSH_Total NIOSH Total Structures

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Lab/Cor Sample No: S1
Client Sample No: TEM 1
Description: Inside Hallway

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G2	40	E4	CDQ	16		Fiber	20	0.5	40	Chrysotile			NIOSH_ASB, NIOSH_Total
						ItemType		ItemNum				Confirmed	Comment
						Brightfield		J002 BF					
						Diffraction		J002 DF				KM	10/10/2007
						Spectra		J002 SP					

Count Categories

NIOSH_ASB NIOSH ASBESTOS
 NIOSH_Total NIOSH Total Structures

NIOSH_NAM NIOSH NonASBESTOS

NIOSH_Other NIOSH Other Amphibole

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Lab/Cor Sample No: S2
Client Sample No: TEM 2
Description: Inside Closet

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories	
G1	1	A2	CDQ	1		Fiber	6	0.3	20	Chrysotile	Mg, Si		NIOSH_ASB, NIOSH_Total	
						ItemType	ItemNum				Confirmed	Comment		
						Brightfield	J004 BF							
						Diffraction	J004 DF				KM	10/10/2007		
						Spectra	J004 SP							
G1	2	A4				NSD								
G1	3	A6				NSD								
G1	4	A8				NSD								
G1	5	B9	NAM	2		Fiber	8	0.8	10	Non Asbestos Mineral	S, Ca	POSSIBLE GYPSUM	NIOSH_NAM, NIOSH_Total	
G1	6	B7				NSD								
G1	7	B5				NSD								
G1	8	B3				NSD								
G1	9	B1				NSD								
G1	10	C1	NAM	3		Fiber	12	0.68	17.6	Non Asbestos Mineral	S, Ca	POSSIBLE GYPSUM	NIOSH_NAM, NIOSH_Total	
G1	11	C3				NSD								
G1	12	C5				NSD								
G1	13	C7				NSD								
G1	14	C9				NSD								
G1	15	D10				NSD								
G1	16	D8	NAM	4		Fiber	8.3	2	4.2	Non Asbestos Mineral	S, Ca	POSSIBLE GYPSUM	NIOSH_NAM, NIOSH_Total	
G1	17	D6				NSD								
G1	18	D4				NSD								
G1	19	D2	CD	5		Fiber	6	0.36	16.7	Chrysotile			NIOSH_ASB, NIOSH_Total	
G1	20	E3				NSD								
G2	21	A2				NSD								

Count Categories

NIOSH_ASB NIOSH ASBESTOS NIOSH_NAM NIOSH NonASBESTOS NIOSH_Other NIOSH Other Amphibole
NIOSH_Total NIOSH Total Structures

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Description: Inside Closet

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G2	22	A4	NAM	6		Fiber	10.5	0.85	12.4	Non Asbestos Mineral	S, Ca	POSSIBLE GYPSUM	NIOSH_NAM, NIOSH_Total
G2	23	A6				NSD							
G2	24	A8				NSD							
G2	25	B9				NSD							
G2	26	B7	CD	7		Fiber	12.2	0.35	34.9	Chrysotile			NIOSH_ASB, NIOSH_Total
G2	27	B5				NSD							
G2	28	B3				NSD							
G2	29	B1	CD	8		Fiber	10	0.5	20	Chrysotile			NIOSH_ASB, NIOSH_Total
G2	30	C2				NSD							
G2	31	C4				NSD							
G2	32	C6				NSD							
G2	33	C8	NAM	9		Fiber	6.5	0.3	21.7	Non Asbestos Mineral	S, Ca	POSSIBLE GYPSUM	NIOSH_NAM, NIOSH_Total
G2	34	C10				NSD							
G2	35	D9				NSD							
G2	36	D7				NSD							
G2	37	D5				NSD							
G2	38	D3				NSD							
G2	39	D1				NSD							
G2	40	E4				NSD							

Count Categories

NIOSH_ASB NIOSH ASBESTOS NIOSH_NAM NIOSH NonASBESTOS NIOSH_Other NIOSH Other Amphibole
 NIOSH_Total NIOSH Total Structures

