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Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Monday, April 25, 2005

Lab/Cor Report Number: *050580R01*

Howard Edwards
Ecology and Environment, Inc.
350 Sansome
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San Francisco CA 94104

Phone: 415-981-2811
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Project Name: QC for Indirect Samples
Project Number:
Client Reference:
Sample Receipt Date: 3/28/2005

Enclosed please find results for samples submitted to our laboratory. A list of samples and analyses follows:

Lab/Cor Analysis #	Client Sample # and Description	Analysis Type and Notes
Batch #: ***B5334***		
S1-A1	JEG-H2-5FD-101009 Duplicate Analysis of LC# 041191-112 - Same Grid Openings	ISO 13794, indirect
S2-A1	NFB-H2-3FD-100505 Duplicate Analysis of LC# 041188-15 - Reprepped Sample	ISO 13794, indirect
S3-A1	NFB-H2-3FD-100506 Duplicate Analysis of LC# 041188-15 - Reprepped Sample	ISO 13794, indirect
S4-A1	NFB-H2-3FD-100507 Replicate Analysis of LC# 041188-15 - Same Grid Openings	ISO 13794, indirect
S5-A1	JEG-H2-1FD-101004 Replicate Analysis of LC# 041191-108 - Same Grid Openings	ISO 13794, indirect
S6-A1	JEG-H2-2FD-101005 Duplicate Analysis of LC# 041191-109 - Different Grid Openings	ISO 13794, indirect
S7-A1	JEG-H2-2FD-101006 Replicate Analysis of LC# 041191-109 - Reprepped Sample	ISO 13794, indirect
S8-A1	JEG-H2-5FD-101007 Duplicate Analysis of LC# 041191-112 - Different Grid Openings	ISO 13794, indirect
S9-A1	NYB-H2-3FD-100704 Duplicate Analysis of LC# 041191-87 - Same Grid Openings	ISO 13794, indirect
S10-A1	JEG-H2-5FD-101009 Replicate Analysis of LC# 041191-112 - Same Grid Openings	ISO 13794, indirect
S11-A1	JEG-H2-5FD-101007 Duplicate Analysis of LC#041191-112 - Same Grid Openings	ISO 13794, indirect
S12-A1	JEG-H2-2FD-101006 Duplicate Analysis of LC#041191-109 - Reprepped Sample	ISO 13794, indirect
S13-A1	JEG-H2-5FD-101007 Duplicate Analysis of LC# 041191-112 - Different Grid Openings	ISO 13794, indirect
S14-A1	AAMS-D08-100404 Replicate Analysis of LC#041210-46 - Reprepped Sample	ISO 13794, indirect
S15-A1	NYB-H2-3FD-100704 Replicate Analysis of LC# 041191-87 - Same Grid Openings	ISO 13794, indirect

ISO 13794, indirect Preparation and analysis of the above samples was conducted in accordance with the ISO method 13794 (Indirect) for the identification of asbestos. Briefly, a portion of the original filter was ashed and treated with acetic acid to isolate the material of interest.

The samples were then aliquoted onto lab filters which were collapsed with acetone, then etched in a low temperature plasma etcher to remove the top surface of the filter and other organics. The samples were carbon coated at high vacuum with a thin layer of carbon, placed on 200 mesh copper grids and allowed to dissolve in acetone until cleared of filter debris.

TEM analysis was performed using a transmission electron microscope equipped with an EDS X ray analyzer. The redeposit samples were analyzed at various approximate screen magnifications of 5,000x for PCM equivalent structures, 10,000x for asbestos structures greater than 5.0 micrometer lengths, and 20,000x for asbestos structures greater than 0.5 micrometer lengths. An accelerating voltage of 100 KV was applied. The sizing of grid openings was performed on the microscope at a magnification of approximately 550X.

Disclaimer

This test report relates only to the items tested in this report. Interpretation of these results is the sole responsibility of the client.

If further clarification of these results is needed, please call us. Thank you for allowing the staff at Lab/Cor, Inc. the opportunity to provide you with analytical services.

Sincerely,

John Harris, M.P.H.
Laboratory Director

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

ANALYSIS DETAIL

Lab/Cor Sample No. B5334 S1 A1
Client Sample No. JEG-H2-5FD-101009
Description Duplicate Analysis of LC# 041191-112 - Same Grid Ope
Analysis Date 4/15/2005
Analyst DW

Volume (L) 1243.2
No. of Grid Openings 46
Filter Area (mm2) 193
Area Analyzed (mm2) 0.667
Analytical Sens. (struc/cc) 0.000932
Dectection Limit. (struc/cc) 0.00279

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	22.5	0.0140	0.00782 - 0.0230	15

Lab/Cor Sample No. B5334 S2 A1
Client Sample No. NFB-H2-3FD-100505
Description Duplicate Analysis of LC# 041188-15 - Reprepped Samp
Analysis Date 4/14/2005
Analyst DW

Volume (L) 605.59
No. of Grid Openings 84
Filter Area (mm2) 193
Area Analyzed (mm2) 1.22
Analytical Sens. (struc/cc) 0.00105
Dectection Limit. (struc/cc) 0.00313

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	14.0	0.0178	0.0104 - 0.0285	17

Lab/Cor Sample No. B5334 S3 A1
Client Sample No. NFB-H2-3FD-100506
Description Duplicate Analysis of LC# 041188-15 - Reprepped Samp
Analysis Date 4/3/2005
Analyst JH

Volume (L) 605.59
No. of Grid Openings 88
Filter Area (mm2) 193
Area Analyzed (mm2) 1.28
Analytical Sens. (struc/cc) 0.00100
Dectection Limit. (struc/cc) 0.00299

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	11.8	0.0150	0.00839 - 0.0247	15

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ANALYSIS DETAIL

Lab/Cor Sample No. B5334 S4 A1
Client Sample No. NFB-H2-3FD-100507
Description Replicate Analysis of LC# 041188-15 - Same Grid Openi
Analysis Date 3/28/2005
Analyst TM

Volume (L) 605.59
No. of Grid Openings 88
Filter Area (mm2) 193
Area Analyzed (mm2) 1.28
Analytical Sens. (struc/cc) 0.00100
Dectection Limit. (struc/cc) 0.00299

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	12.5	0.0160	0.00914 - 0.0260	16

Lab/Cor Sample No. B5334 S5 A1
Client Sample No. JEG-H2-1FD-101004
Description Replicate Analysis of LC# 041191-108 - Same Grid Ope
Analysis Date 4/13/2005
Analyst KM

Volume (L) 1258.8
No. of Grid Openings 57
Filter Area (mm2) 193
Area Analyzed (mm2) 0.826
Analytical Sens. (struc/cc) 0.000990
Dectection Limit. (struc/cc) 0.00296

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	27.8	0.0228	0.0144 - 0.0342	23

Lab/Cor Sample No. B5334 S6 A1
Client Sample No. JEG-H2-2FD-101005
Description Duplicate Analysis of LC# 041191-109 - Different Grid O
Analysis Date 4/3/2005
Analyst JH

Volume (L) 1185.06
No. of Grid Openings 46
Filter Area (mm2) 193
Area Analyzed (mm2) 0.667
Analytical Sens. (struc/cc) 0.000977
Dectection Limit. (struc/cc) 0.00292

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	28.5	0.0186	0.0112 - 0.0290	19

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ANALYSIS DETAIL

Lab/Cor Sample No. B5334 S7 A1
Client Sample No. JEG-H2-2FD-101006
Description Replicate Analysis of LC# 041191-109 - Reprepped Sam
Analysis Date 4/13/2005
Analyst KM

Volume (L) 1185.06
No. of Grid Openings 46
Filter Area (mm2) 193
Area Analyzed (mm2) 0.667
Analytical Sens. (struc/cc) 0.000977
Dectection Limit. (struc/cc) 0.00292

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	30.0	0.0195	0.0119 - 0.0302	20

Lab/Cor Sample No. B5334 S8 A1
Client Sample No. JEG-H2-5FD-101007
Description Duplicate Analysis of LC# 041191-112 - Different Grid O
Analysis Date 4/14/2005
Analyst DW

Volume (L) 1243.2
No. of Grid Openings 43
Filter Area (mm2) 193
Area Analyzed (mm2) 0.623
Analytical Sens. (struc/cc) 0.000997
Dectection Limit. (struc/cc) 0.00298

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	14.4	0.00897	0.00410 - 0.0170	9

Lab/Cor Sample No. B5334 S9 A1
Client Sample No. NYB-H2-3FD-100704
Description Duplicate Analysis of LC# 041191-87 - Same Grid Openi
Analysis Date 4/13/2005
Analyst KM

Volume (L) 580.78
No. of Grid Openings 91
Filter Area (mm2) 193
Area Analyzed (mm2) 1.32
Analytical Sens. (struc/cc) 0.00101
Dectection Limit. (struc/cc) 0.00301

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	9.9	0.0131	0.00698 - 0.0224	13

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ANALYSIS DETAIL

Lab/Cor Sample No. B5334 S10 A1
Client Sample No. JEG-H2-5FD-101009
Description Replicate Analysis of LC# 041191-112 - Same Grid Ope
Analysis Date 4/3/2005
Analyst JH

Volume (L) 1243.2
No. of Grid Openings 43
Filter Area (mm2) 193
Area Analyzed (mm2) 0.623
Analytical Sens. (struc/cc) 0.000997
Dectection Limit. (struc/cc) 0.00298

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	22.5	0.0140	0.00763 - 0.0234	14

Lab/Cor Sample No. B5334 S11 A1
Client Sample No. JEG-H2-5FD-101007
Description Duplicate Analysis of LC#041191-112 - Same Grid Openi
Analysis Date 4/13/2005
Analyst DW

Volume (L) 1243.2
No. of Grid Openings 42
Filter Area (mm2) 193
Area Analyzed (mm2) 0.609
Analytical Sens. (struc/cc) 0.00102
Dectection Limit. (struc/cc) 0.00305

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	14.8	0.00918	0.00420 - 0.0174	9

Lab/Cor Sample No. B5334 S12 A1
Client Sample No. JEG-H2-2FD-101006
Description Duplicate Analysis of LC#041191-109 - Reprepped Sam
Analysis Date 4/15/2005
Analyst DW

Volume (L) 1185.06
No. of Grid Openings 46
Filter Area (mm2) 193
Area Analyzed (mm2) 0.667
Analytical Sens. (struc/cc) 0.000977
Dectection Limit. (struc/cc) 0.00292

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	19.5	0.0127	0.00677 - 0.0217	13

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Project Name: QC for Indirect Samples

ANALYSIS DETAIL

Lab/Cor Sample No. B5334 S13 A1
Client Sample No. JEG-H2-5FD-101007
Description Duplicate Analysis of LC# 041191-112 - Different Grid O
Analysis Date 4/13/2005
Analyst KM

Volume (L) 1243.2
No. of Grid Openings 43
Filter Area (mm2) 193
Area Analyzed (mm2) 0.622
Analytical Sens. (struc/cc) 0.000999
Dectection Limit. (struc/cc) 0.00299

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	30.6	0.0190	0.0114 - 0.0296	19

Lab/Cor Sample No. B5334 S14 A1
Client Sample No. AAMS-D08-100404
Description Replicate Analysis of LC#041210-46 - Reprepped Sampl
Analysis Date 4/13/2005
Analyst KM

Volume (L) 7200
No. of Grid Openings 49
Filter Area (mm2) 193
Area Analyzed (mm2) 0.710
Analytical Sens. (struc/cc) 0.000302
Dectection Limit. (struc/cc) 0.000903

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	36.6	0.00785	0.00513 - 0.0115	26

Lab/Cor Sample No. B5334 S15 A1
Client Sample No. NYB-H2-3FD-100704
Description Replicate Analysis of LC# 041191-87 - Same Grid Openi
Analysis Date 4/14/2005
Analyst DW

Volume (L) 580.78
No. of Grid Openings 90
Filter Area (mm2) 193
Area Analyzed (mm2) 1.30
Analytical Sens. (struc/cc) 0.00102
Dectection Limit. (struc/cc) 0.00305

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	10.0	0.0133	0.00706 - 0.0227	13

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Report # 050580R01

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Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-5FD-101009 *Lab/Cor Sample No.:* B5334 S1 A1

Descripiton: Duplicate Analysis of LC# 041191-112 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44		NSD									
A	2	B24		NSD									
A	3	B4	AQ	1		MD1-1	15	10	1.5			Actinolite	
A	3	B4	AQ		1	MF	10	1.5	6.7			Mg, Si, Ca, Fe Actinolite	
A	4	C14		NSD									
A	5	C34		NSD									
A	6	C43		NSD									
A	7	C32	CD	2	2	B	2.5	0.25	10			Chrysotile	
A	7	C32	AQ	3		MD1-1	14	10	1.4			Actinolite	
A	7	C32	AQ		3	MF	8	2.75	2.9			Mg, Si, Ca, Fe Actinolite	
A	8	C12		NSD									
A	9	B2	AQ	4		MD1-1	9	7.5	1.2			Actinolite	
A	9	B2	AQ		4	MF	9	1.5	6.0			Mg, Si, Ca, Fe Actinolite	
A	10	B22		NSD									
A	11	B42		NSD									
A	12	C23		NSD									
A	13	C3		NSD									
A	14	B13	AQ	5	5	F	12	0.75	16			Mg, Si, Ca, Fe Actinolite	
A	15	B33		NSD									
A	16	B41		NSD									
A	17	B21		NSD									
A	18	B1		NSD									
A	19	C11	AQ	6		MD1-0	5.5	5.5	1.0			Actinolite	
A	19	C11	AQ		6	MF	4	1.2	3.3			Mg, Si, Ca, Fe Actinolite	
A	19	C11	AQ	7	7	F	2.5	0.5	5.0			Mg, Si, Ca, Fe Actinolite	
A	20	C31		NSD									
A	21	A41	CD	8	8	F	0.75	0.1	7.5			Chrysotile	
A	22	A21		NSD									
A	23	A1		NSD									
A	24	D11		NSD									
A	25	D31		NSD									
A	26	D42	AQ	9	9	F	6	0.7	8.6			Mg, Si, Ca, Fe Actinolite	
A	27	D22		NSD									

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Report # 050580R01

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Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-5FD-101009 *Lab/Cor Sample No.:* B5334 S1 A1

Descripiton: Duplicate Analysis of LC# 041191-112 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	28	D2		NSD									
A	29	A12		NSD									
A	30	A32		NSD									
B	31	A4	AQ	10		MD1-0	1	1	1.0			Actinolite	
B	31	A4	AQ		10	MF	1	0.2	5.0			Mg, Si, Ca, Fe Actinolite	
B	32	D14	AQ	11		MD1-0	20	12	1.7			Actinolite	
B	32	D14	AQ		11	MF	4.5	1	4.5			Mg, Si, Ca, Fe Actinolite	
B	33	D24	AQ	12		MD1-1	25	20	1.2			Actinolite	
B	33	D24	AQ		12	MF	10	2.75	3.6			Mg, Si, Ca, Fe Actinolite	
B	34	D44		NSD									
B	35	D42		NSD									
B	36	D22		NSD									
B	37	D2		NSD									
B	38	A22		NSD									
B	39	A40		NSD									
B	40	A20		NSD									
B	41	A10		NSD									
B	42	D10	AQ	13		MD1-1	10	7.5	1.3			Actinolite	
B	42	D10	AQ		13	MF	5.5	0.65	8.5			Mg, Si, Ca, Fe Actinolite	
B	43	D30	AQ	14		MD1-1	20	10	2.0			Actinolite	
B	43	D30	AQ		14	MF	10	1.2	8.3			Mg, Si, Ca, Fe Actinolite	
B	44	D40		NSD									
B	45	C41		NSD									
B	46	C21	AQ	15	15	F	14	2	7.0			Mg, Si, Ca, Fe Actinolite	

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TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NFB-H2-3FD-100505 *Lab/Cor Sample No.:* B5334 S2 A1

Descripiton: Duplicate Analysis of LC# 041188-15 - Reprepped Sample

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44		NSD									
A	2	B34		NSD									
A	3	B24		NSD									
A	4	B14		NSD									
A	5	B4		NSD									
A	6	C4		NSD									
A	7	C14		NSD									
A	8	C24		NSD									
A	9	C34		NSD									
A	10	C44		NSD									
A	11	B42		NSD									
A	12	B32	AQ	1	1	F	9	2	4.5			Mg, Si, Ca, Fe Actinolite	
A	13	B22	AQ	2		MD1-0	10	10	1.0			Actinolite	
A	13	B22	AQ		2	MF	4.5	0.6	7.5			Mg, Si, Ca, Fe Actinolite	
A	14	B12		NSD									
A	15	B2	AQ	3	3	F	3	0.5	6.0			Mg, Si, Ca, Fe Actinolite	
A	16	C2		NSD									
A	17	C12		NSD									
A	18	C22		NSD									
A	19	C32	AQ	4		MD1-0	4	4	1.0			Actinolite	
A	19	C32	AQ		4	MF	4	0.5	8.0			Mg, Si, Ca, Fe Actinolite	
A	20	C42		NSD									
A	21	A41		NSD									
A	22	A31		NSD									
A	23	A11		NSD									
A	24	A1		NSD									
A	25	D1		NSD									
A	26	D11		NSD									
A	27	D21		NSD									
A	28	D31		NSD									
A	29	D41		NSD									
B	30	B13		NSD									
B	31	B3	CD	5		MD1-0	10	10	1.0			Chrysotile	
B	31	B3	CD		5	MF	1	0.1	10			Chrysotile	

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TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NFB-H2-3FD-100505 *Lab/Cor Sample No.:* B5334 S2 A1

Descripiton: Duplicate Analysis of LC# 041188-15 - Reprepped Sample

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	32	C3		NSD									
B	33	C13	CD	6		MD1-0	1.5	1.5	1.0			Chrysotile	
B	33	C13	CD		6	MF	1.2	0.1	12			Chrysotile	
B	34	C23		NSD									
B	35	C33		NSD									
B	36	C43		NSD									
B	38	B11	AQ	7		MD1-0	3	3	1.0			Actinolite	
B	38	B11	AQ		7	MF	2.5	0.25	10			Mg, Si, Ca, Fe Actinolite	
B	39	B1		NSD									
B	40	C1		NSD									
B	41	C11		NSD									
B	42	C21		NSD									
B	43	C31		NSD									
B	44	C41	AQ	8		MD1-1	12	10	1.2			Actinolite	
B	44	C41	AQ		8	MF	12	2.5	4.8			Mg, Si, Ca, Fe Actinolite	
B	45	A40	CD	9	9	F	2.5	0.1	25			Chrysotile	
B	46	A30		NSD									
B	47	A20		NSD									
B	48	A10		NSD									
B	49	D10		NSD									
B	50	D20		NSD									
B	51	D30		NSD									
B	52	D40	AQ	10	10	F	1.2	0.25	4.8			Mg, Si, Ca, Fe Actinolite	
B	53	A21		NSD									
B	54	A11	AQ	11		MD1-0	5	5	1.0			Actinolite	
B	54	A11	AQ		11	MF	2.5	0.6	4.2			Mg, Si, Ca, Fe Actinolite	
B	55	A1		NSD									
B	56	D1		NSD									
B	57	D11		NSD									
B	58	D21		NSD									
C	59	A42		NSD									
C	60	A32	AQ	12		MD1-1	10	7.5	1.3			Actinolite	
C	60	A32	AQ		12	MF	6	2	3.0			Mg, Si, Ca, Fe Actinolite	
C	61	A22		NSD									

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TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NFB-H2-3FD-100505 *Lab/Cor Sample No.:* B5334 S2 A1
Descripiton: Duplicate Analysis of LC# 041188-15 - Reprepped Sample

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	62	A12		NSD									
C	63	A2	AQ	13		MD1-0	4	2.5	1.6			Actinolite	
C	63	A2	AQ		13	MF	4	1	4.0			Mg, Si, Ca, Fe Actinolite	
C	64	D2	AQ	14	14	F	5.5	1.2	4.6			Mg, Si, Ca, Fe Actinolite	
C	65	D12		NSD									
C	66	A41		NSD									
C	67	A31		NSD									
C	68	A21		NSD									
C	69	A11		NSD									
C	70	A1		NSD									
C	71	D1		NSD									
C	72	C11		NSD									
C	73	C21	AQ	15		MD1-1	6	5	1.2			Actinolite	
C	73	C21	AQ		15	MF	5.5	0.5	11			Mg, Si, Ca, Fe Actinolite	
C	74	C31		NSD									
C	75	C41		NSD									
C	76	C42		NSD									
C	77	C32		NSD									
C	78	C22	AQ	16	16	F	2.5	0.5	5.0			Mg, Si, Ca, Fe Actinolite	
C	79	A43	AQ	17		MD1-0	10	7.5	1.3			Actinolite	
C	79	A43	AQ		17	MF	4.5	0.75	6.0			Mg, Si, Ca, Fe Actinolite	
C	80	A33		NSD									
C	81	A23		NSD									
C	82	A13		NSD									
C	83	B10		NSD									
C	84	B20		NSD									
C	85	B30		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NFB-H2-3FD-100506 *Lab/Cor Sample No.:* B5334 S3 A1

Descripiton: Duplicate Analysis of LC# 041188-15 - Reprepped Sample

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A24		NSD									
A	2	A14		NSD									
A	3	D4		NSD									
A	4	D24		NSD									
A	5	D22		NSD									
A	6	D2		NSD									
A	7	A12	AQ	1	1	F	2.7	0.7	3.9			Mg, Al, Si, Ca, Fe Actinolite	
A	8	A32		NSD									
A	9	A42		NSD									
A	10	A40	AQ	2	2	F	5.1	0.7	7.3			Mg, Al, Si, Ca, Fe Actinolite	
A	11	A30		NSD									
A	12	A10		NSD									
A	13	D10	AQ	3	3	F	5.2	1.2	4.3			Mg, Al, Si, Ca, Fe Actinolite	
A	14	C41		NSD									
A	15	C31		NSD									
A	16	C11	CD	4	4	B	7.5	0.5	15			Chrysotile	
A	17	C1	AQ	5	5	F	3.5	0.5	7.0			Mg, Al, Si, Ca, Fe Actinolite	
A	18	B11		NSD									
A	19	B31		NSD									
A	20	B42		NSD									
A	21	B22	CD	6	6	F	0.7	0.06	12			Chrysotile	
A	22	B2	AQ	7	7	F	2.5	0.6	4.2			Mg, Al, Si, Ca, Fe Actinolite	
A	23	B12		NSD									
A	24	B22		NSD									
A	25	B42	AQ	8	8	F	12	1.3	9.2			Mg, Al, Si, Ca, Fe Actinolite	
A	26	B34		NSD									
A	27	B14		NSD									
A	28	C4		NSD									
A	29	C14		NSD									
A	30	C34		NSD									
B	31	A33		NSD									
B	32	A23		NSD									
B	33	A32	AQ	9	9	F	16	3	5.3			Mg, Al, Si, Ca, Fe Actinolite	
B	34	A22		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.
Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NFB-H2-3FD-100506 *Lab/Cor Sample No.:* B5334 S3 A1
Descripiton: Duplicate Analysis of LC# 041188-15 - Reprepped Sample

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	35	A2		NSD									
B	36	D1		NSD									
B	37	A1		NSD									
B	38	A21		NSD									
B	39	A40		NSD									
B	40	A30		NSD									
B	41	A10		NSD									
B	42	D10		NSD									
B	43	D30		NSD									
B	44	D40	AQ	10		MD1-0	9.8	4.8	2.0			Actinolite	
B	44	D40	AQ		10	MF	4.9	1	4.9			Mg, Al, Si, Ca, Fe Actinolite	
B	45	C41	AQ	11	11	F	12	2.5	4.8			Mg, Al, Si, Ca, Fe Actinolite	
B	46	C21		NSD									
B	47	C1		NSD									
B	48	B1		NSD									
B	49	B12		NSD									
B	50	B22		NSD									
B	51	B12		NSD									
B	52	C2		NSD									
B	53	C12	CD	12	12	F	1.8	0.06	30			Chrysotile	
B	54	C32		NSD									
B	55	C42		NSD									
B	56	C43		NSD									
B	57	C13		NSD									
B	58	C3		NSD									
B	59	C23		NSD									
B	60	C33		NSD									
C	61	A34		NSD									
C	62	A14		NSD									
C	63	D4		NSD									
C	64	D14		NSD									
C	65	D24		NSD									
C	66	D44		NSD									
C	67	D42	CD	13	13	F	1.1	0.06	18			Chrysotile	

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.
Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NFB-H2-3FD-100506 *Lab/Cor Sample No.:* B5334 S3 A1
Descripiton: Duplicate Analysis of LC# 041188-15 - Reprepped Sample

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	68	A2		NSD									
C	69	A22	AQ	14	14	F	2.5	0.5	5.0			Mg, Al, Si, Ca, Fe Actinolite	
C	70	A42		NSD									
C	71	A40		NSD									
C	72	A10		NSD									
C	73	D20		NSD									
C	74	D30		NSD									
C	75	D40		NSD									
C	76	C41		NSD									
C	77	C21	AQ	15	15	F	4.9	0.7	7.0			Mg, Al, Si, Ca, Fe Actinolite	
C	78	C11		NSD									
C	79	C22		NSD									
C	80	C32		NSD									
C	81	C42		NSD									
C	82	B10		NSD									
C	83	B30		NSD									
C	84	A41		NSD									
C	85	A31		NSD									
C	86	A11		NSD									
C	87	A1		NSD									
C	88	A3		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NFB-H2-3FD-100507 *Lab/Cor Sample No.:* B5334 S4 A1

Descripiton: Replicate Analysis of LC# 041188-15 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B24	AQ	1	1	F	2.85	0.45	6.3			Actinolite	
A	2	B22		NSD									
A	3	B20		NSD									
A	4	A21		NSD									
A	5	A23	AQ	2		MD1-1	15.5	6.5	2.4			Actinolite	
A	5	A23	AQ		2	MF	13.3	1.45	9.1			Actinolite	
A	6	A12		NSD									
A	7	A10		NSD									
A	8	B11		NSD									
A	9	B13		NSD									
A	10	B4		NSD									
A	11	B2		NSD									
A	12	A1		NSD									
A	13	A3		NSD									
A	14	D2		NSD									
A	15	C1		NSD									
A	16	C14		NSD									
A	17	C10		NSD									
A	18	D11		NSD									
A	19	D13		NSD									
A	20	D24		NSD									
A	21	D22		NSD									
A	22	D20	CD	3	3	F	2.05	0.15	14			Chrysotile	
A	23	C21		NSD									
A	24	C23		NSD									
A	25	C34		NSD									
A	26	C32		NSD									
A	27	C30		NSD									
A	28	D31		NSD									
A	29	D33		NSD									
B	30	C44	CMQ	4	4	F	0.7	0.1	7.0			Chrysotile No Diffraction	
B	31	C42		NSD								Large fiber with Tremolite chemistry but diffraction does not match	
B	32	C40		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NFB-H2-3FD-100507 *Lab/Cor Sample No.:* B5334 S4 A1

Descripiton: Replicate Analysis of LC# 041188-15 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	33	D41		NSD									
B	34	D43		NSD									
B	35	D32		NSD									
B	36	A41		NSD									
B	37	A31		NSD									
B	38	A21		NSD									
B	39	A11		NSD									
B	40	A1		NSD									
B	41	D1		NSD									
B	42	D11	AQ	5		MD1-0	9	8	1.1			Actinolite	
B	42	D11	AQ		5	MF	4.5	0.4	11			Actinolite	
B	43	D21		NSD									
B	44	D41		NSD									
B	45	A22	AQ	6	6	F	3	0.55	5.5			Actinolite	
B	46	A12		NSD									
B	47	A2		NSD									
B	48	D2		NSD									
B	49	D12		NSD									
B	50	D22		NSD									
B	51	D42		NSD									
B	52	B41	CD	7		MD1-0	20	15.8	1.3			Chrysotile	
B	52	B41	CD		7	MF	2.5	0.1	25			Chrysotile	
B	53	B31		NSD									
B	54	B21		NSD									
B	55	B11		NSD									
B	56	B1		NSD									
B	57	C1		NSD									
B	58	C11		NSD									
B	59	C21		NSD									
B	60	C31		NSD									
C	61	B44		NSD									
C	62	B34		NSD									
C	63	B24		NSD									
C	64	B14		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NFB-H2-3FD-100507 *Lab/Cor Sample No.:* B5334 S4 A1

Descripiton: Replicate Analysis of LC# 041188-15 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	65	B4	AQ	8	8	F	5.25	1.55	3.4			Actinolite	
C	66	C4		NSD									
C	67	C14		NSD									
C	68	C24		NSD									
C	69	C34		NSD									
C	70	C44	AQ	9	9	F	0.9	0.2	4.5			Actinolite Potassian	
C	71	B42		NSD									
C	72	B32		NSD									
C	73	B22		NSD									
C	74	B12		NSD									
C	75	B2		NSD									
C	76	C2	AQ	10	10	F	7.8	2.5	3.1			Amosite	
C	77	C12		NSD									
C	78	C22		NSD									
C	79	C32	AQ	11		MD1-1	15	7	2.1			Actinolite	
C	79	C32	AQ		11	MF	5.15	0.45	11			Actinolite	
C	80	C42	CD	12		MD1-0	2	0.8	2.5			Chrysotile	
C	80	C42	CD		12	MF	2	0.08	27			Chrysotile	
C	81	B40	CD	13		MD1-0	3.5	2.25	1.6			Chrysotile	
C	81	B40	CD		13	MF	1.15	0.05	23			Chrysotile	
C	82	B20		NSD									
C	83	B10		NSD									
C	84	C10		NSD									
C	85	C20	AQ	14		MD1-1	7.25	5.5	1.3			Actinolite	
C	85	C20	AQ		14	MF	6.15	1.2	5.1			Actinolite	
C	86	C30	AQ	15		MD1-1	25	23	1.1			Actinolite	
C	86	C30	AQ		15	MF	5.8	1.3	4.5			Actinolite	
C	86	C30	AQ	16	16	F	2.55	0.5	5.1			Actinolite	
C	87	B30		NSD									
C	88	C40		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-1FD-101004 *Lab/Cor Sample No.:* B5334 S5 A1

Descripiton: Replicate Analysis of LC# 041191-108 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B43		NSD									
A	2	B23		NSD									
A	3	B3	AQ	1	1	F	2.5	0.7	3.6			Mg, Al, Si, Ca, Fe Actinolite	
A	4	C13		NSD									
A	5	C33	AQ	2	2	F	7.8	1.5	5.2			Mg, Al, Si, Ca, Fe Actinolite	
A	6	C42	CD	3	3	F	0.8	0.1	8.0			Chrysotile	
A	6	C42	AQ	4	4	F	11	3	3.7			Mg, Al, Si, Ca, Fe Actinolite	
A	7	C22		NSD									
A	8	C2	AQ	5	5	F	6.5	1.8	3.6			Mg, Al, Si, Ca, Fe Actinolite	
A	9	B12		NSD									
A	10	B32	AQ	6	6	F	13	1.4	9.3			Mg, Al, Si, Ca, Fe Actinolite	
A	11	B41		NSD									
A	12	B21		NSD									
A	13	B1	AQ	7	7	F	10	3.2	3.1			Mg, Al, Si, Ca, Fe Actinolite	
A	14	C11		NSD									
A	15	C31		NSD									
A	16	D31	AQ	8		MD1-0	5	2	2.5			Actinolite	
A	16	D31	AQ		8	MF	3.3	0.6	5.5			Mg, Al, Si, Ca, Fe Actinolite	
A	17	D11		NSD									
A	18	A1	AQ	9	9	F	9	1.2	7.5			Actinolite	
A	19	A21		NSD									
A	20	A41		NSD									
A	21	A32	AQ	10	10	F	25	4.5	5.6			Mg, Al, Si, Ca, Fe Actinolite	
A	22	A12		NSD									
A	23	D2		NSD									
A	24	D22		NSD									
A	25	D40	AQ	11	11	B	14	2	7.0			Mg, Al, Si, Ca, Fe Actinolite	
A	26	D20		NSD									
A	27	D10	AQ	12		MD1-1	5.5	3	1.8			Actinolite	
A	27	D10	AQ		12	MF	5.5	0.8	6.9			Mg, Al, Si, Ca, Fe Actinolite	
A	28	A10		NSD									
B	29	A44		NSD									
B	30	A24		NSD									
B	31	A4	AQ	13	13	F	13	1.7	7.6			Mg, Al, Si, Ca, Fe Actinolite	

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.
Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-1FD-101004 *Lab/Cor Sample No.:* B5334 S5 A1
Descripiton: Replicate Analysis of LC# 041191-108 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	32	D14		NSD									
B	33	D34		NSD									
B	34	D43	AQ	14		MD1-1	25	10	2.5			Actinolite	
B	34	D43	AQ		14	MF	13.5	1.7	7.9			Mg, Al, Si, Ca, Fe Actinolite	
B	35	D23	AQ	15	15	F	8	0.55	15			Mg, Al, Si, Ca, Fe Actinolite	
B	36	D3		NSD									
B	37	A13		NSD									
B	38	A33	AQ	16	16	F	4.8	0.7	6.9			Mg, Al, Si, Ca, Fe Actinolite	
B	39	A42		NSD									
B	40	A22		NSD									
B	41	A2		NSD									
B	42	D12	AQ	17		MD1-1	16	12	1.3			Actinolite	
B	42	D12	AQ		17	MF	12	0.4	30			Mg, Al, Si, Ca, Fe Actinolite	
B	43	D32	AQ	18	18	F	3	0.6	5.0			Mg, Al, Si, Ca, Fe Actinolite	
B	43	D32	AQ	19	19	F	4	0.65	6.2			Mg, Al, Si, Ca, Fe Actinolite	
B	44	D41		NSD									
B	45	D21		NSD									
B	46	D1	AQ	20	20	F	5.35	0.6	8.9			Mg, Al, Si, Ca, Fe Actinolite	
B	47	A11		NSD									
B	48	A31		NSD									
B	49	A41		NSD									
B	50	B41		NSD									
B	51	B21		NSD									
B	52	B1	AQ	21	21	F	10.2	1.5	6.8			Mg, Al, Si, Ca, Fe Actinolite	
B	53	C11		NSD									
B	54	C31	AQ	22	22	F	14	0.6	23			Mg, Al, Si, Ca, Fe Actinolite	
B	55	C42	AQ	23	23	F	1.8	0.4	4.5			Mg, Al, Si, Ca, Fe Actinolite	
B	56	C22		NSD									
B	57	C2		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-2FD-101005 *Lab/Cor Sample No.:* B5334 S6 A1

Descripiton: Duplicate Analysis of LC# 041191-109 - Different Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	1	A24	AQ	1	1	F	1.2	0.3	4.0			Mg, Al, Si, Ca, Fe Actinolite	
C	2	A4	AQ	2	2	F	7.5	1.5	5.0			Mg, Al, Si, Ca, Fe Actinolite	
C	2	A4	CD	3	3	F	1.2	0.06	20			Chrysotile	
C	2	A4	AQ	4	4	F	11.5	1.8	6.4			Mg, Al, Si, Ca, Fe Actinolite	
C	3	D4		NSD									
C	4	D24		NSD									
C	5	D34		NSD									
C	6	D43		NSD									
C	7	D33	AQ	5	5	B	14	1.5	9.3			Mg, Al, Si, Ca, Fe Actinolite	
C	7	D33	AQ	6	6	B	18	2.5	7.2			Mg, Al, Si, Ca, Fe Actinolite	
C	8	D23		NSD									
C	9	D3		NSD									
C	10	A3		NSD									
C	11	A23		NSD									
C	12	A33		NSD									
C	13	A42		NSD									
C	14	A32		NSD									
C	15	A22	AQ	7	7	F	22.5	1.5	15			Mg, Al, Si, Ca, Fe Actinolite	
C	16	A12		NSD									
C	17	D2	AQ	8	8	F	7.5	1	7.5			Mg, Al, Si, Ca, Fe Actinolite	
C	18	D12	AQ	9	9	B	20	6	3.3			Mg, Al, Si, Ca, Fe Actinolite	
C	18	D12	AQ	10	10	B	9.8	2	4.9			Mg, Al, Si, Ca, Fe Actinolite	
C	19	D32		NSD									
C	20	D41	AQ	11	11	F	11	0.5	22			Mg, Al, Si, Ca, Fe Actinolite	
C	21	D31	AQ	12	12	F	4	1	4.0			Mg, Al, Si, Ca, Fe Actinolite	
C	22	D11		NSD									
C	23	A1		NSD									
C	24	A11		NSD									
C	25	A31		NSD									
C	26	A41	AQ	13	13	B	10.2	1.7	6.0			Mg, Al, Si, Ca, Fe Actinolite	
C	27	B40		NSD									
C	28	B30		NSD									
C	29	B20		NSD									
C	30	B10		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-2FD-101005 *Lab/Cor Sample No.:* B5334 S6 A1

Descripiton: Duplicate Analysis of LC# 041191-109 - Different Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	31	C10	AQ	14	14	F	4.8	1.1	4.4			Mg, Al, Si, Ca, Fe Actinolite	
C	32	C20		NSD									
C	33	C30		NSD									
C	34	C40	AQ	15	15	B	4	1.1	3.6			Mg, Al, Si, Ca, Fe Actinolite	
C	35	C42		NSD									
C	36	C2	AQ	16	16	B	5.1	1.5	3.4			Mg, Al, Si, Ca, Fe Actinolite	
C	36	C2	AQ	17	17	F	5.8	0.5	12			Mg, Al, Si, Ca, Fe Actinolite	
C	37	B2		NSD									
C	38	B12		NSD									
C	39	B22		NSD									
C	40	B32	AQ	18	18	F	6	1.6	3.8			Mg, Al, Si, Ca, Fe Actinolite	
C	41	B42	AQ	19	19	F	6	0.7	8.6			Mg, Al, Si, Ca, Fe Actinolite	
C	42	B43		NSD									
C	43	B33		NSD									
C	44	B23		NSD									
C	45	B13		NSD									
C	46	C33		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-2FD-101006 *Lab/Cor Sample No.:* B5334 S7 A1

Descripiton: Replicate Analysis of LC# 041191-109 - Reprepped Sample

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B43	AQ	1	1	F	9	2.5	3.6			Mg, Al, Si, Ca, Fe Actinolite	
A	2	B23		NSD									
A	3	B3		NSD									
A	4	C13		NSD									
A	5	C33	AQ	2		MD1-1	10	2	5.0			Actinolite	
A	5	C33	AQ		2	MF	8.5	1	8.5			Mg, Al, Si, Ca, Fe Actinolite	
A	6	C32		NSD									
A	7	C22		NSD									
A	8	C2		NSD									
A	9	B12	AQ	3	3	F	3.4	0.8	4.2			Mg, Al, Si, Ca, Fe Actinolite	
A	10	B32		NSD									
A	11	B41	AQ	4		MD1-0	4	1	4.0			Actinolite	
A	11	B41	AQ		4	MF	4	0.6	6.7			Mg, Al, Si, Ca, Fe Actinolite	
A	12	B21		NSD									
A	13	B1		NSD									
A	14	C11	AQ	5	5	F	5.5	1	5.5			Mg, Al, Si, Ca, Fe Actinolite	
A	15	C31		NSD									
A	16	A41	AQ	6	6	F	4.8	1.5	3.2			Mg, Al, Si, Ca, Fe Actinolite	
A	17	A21		NSD									
A	18	A1		NSD									
A	19	D11	AQ	7	7	F	8.3	0.7	12			Mg, Al, Si, Ca, Fe Actinolite	
A	20	D31		NSD									
A	21	D42	AQ	8	8	F	4.5	1.2	3.7			Mg, Al, Si, Ca, Fe Actinolite	
A	22	D2		NSD									
A	23	A12		NSD									
A	24	A32	AQ	9		MD1-0	8	5	1.6			Actinolite	
A	24	A32	AQ		9	MF	3	0.8	3.8			Mg, Al, Si, Ca, Fe Actinolite	
B	25	B34		NSD									
B	26	B14		NSD									
B	27	C4		NSD									
B	28	C24	AQ	10	10	F	2	0.65	3.1			Mg, Al, Si, Ca, Fe Actinolite	
B	29	B43		NSD									
B	30	B23	AQ	11	11	F	5.8	1.5	3.9			Mg, Al, Si, Ca, Fe Actinolite	
B	31	B3	AQ	12	12	F	4	0.6	6.7			Mg, Al, Si, Ca, Fe Actinolite	

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.
Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-2FD-101006 *Lab/Cor Sample No.:* B5334 S7 A1
Descripiton: Replicate Analysis of LC# 041191-109 - Reprepped Sample

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	32	C13		NSD									
B	33	B32	AQ	13	13	F	5.5	0.65	8.5			Mg, Al, Si, Ca, Fe Actinolite	
B	34	C2	AQ	14	14	F	4	0.7	5.7			Mg, Al, Si, Ca, Fe Actinolite	
B	35	C22		NSD									
B	36	C42		NSD									
B	37	A31		NSD									
B	38	A11	AQ	15	15	F	4.3	0.7	6.1			Mg, Al, Si, Ca, Fe Actinolite	
B	39	D1	AQ	16	16	F	8.7	1.2	7.2			Mg, Al, Si, Ca, Fe Actinolite	
B	40	D21	AQ	17	17	F	13.5	4	3.4			Mg, Al, Si, Ca, Fe Actinolite	
B	40	D21	CDQ	18	18	B	3.3	0.25	13			Mg, Si Chrysotile	
B	41	D41	AQ	19	19	F	8.5	1.2	7.1			Mg, Al, Si, Ca, Fe Actinolite	
B	42	A42		NSD									
B	43	A22		NSD									
B	44	A2	AQ	20	20	F	5.3	0.7	7.6			Mg, Al, Si, Ca, Fe Actinolite	
B	45	D12		NSD									
B	46	D32		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-5FD-101007 *Lab/Cor Sample No.:* B5334 S8 A1

Descripiton: Duplicate Analysis of LC# 041191-112 - Different Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B34		NSD									
A	2	B24	CD	1		MD1-0	2	2	1.0			Chrysotile	
A	2	B24	CD	2	1	F	1	0.1	10			Chrysotile	
A	3	B14		NSD									
A	4	B4		NSD									
A	5	C4		NSD									
A	6	C14		NSD									
A	7	C24		NSD									
A	8	C34		NSD									
A	9	C44		NSD									
A	10	B32		NSD									
A	11	B12		NSD									
A	12	C2		NSD									
A	13	C22		NSD									
A	14	C42		NSD									
A	15	B43		NSD									
A	16	B33		NSD									
A	17	B23		NSD									
A	18	B13		NSD									
A	19	B3		NSD									
A	20	C3		NSD									
A	21	C13	AQ	3		MD1-0	1.2	1	1.2			Actinolite	
A	21	C13	AQ		2	MF	1.2	0.2	6.0			Mg, Si, Ca, Fe Actinolite	
A	22	C23		NSD									
A	23	C33		NSD									
A	24	C43		NSD									
C	25	B43	CD	4	3	F	0.6	0.1	6.0			Chrysotile	
C	25	B43	CD	5		MD1-0	5	5	1.0			Chrysotile	
C	25	B43	CD		4	MF	0.75	0.1	7.5			Chrysotile	
C	25	B43	CD	6	5	F	0.5	0.1	5.0			Chrysotile	
C	26	B33		NSD									
C	27	B23		NSD									
C	28	B13		NSD									
C	29	B3		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-5FD-101007 *Lab/Cor Sample No.:* B5334 S8 A1

Descripiton: Duplicate Analysis of LC# 041191-112 - Different Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	30	C3		NSD									
C	31	C13		NSD									
C	32	C23		NSD									
C	33	C33	CD	7	6	F	0.75	0.1	7.5			Chrysotile	
C	33	C33	CD	8	7	F	0.6	0.1	6.0			Chrysotile	
C	34	B41		NSD									
C	35	B31		NSD									
C	36	B21		NSD									
C	37	B11		NSD									
C	38	B1		NSD									
C	39	C1		NSD									
C	40	C11		NSD									
C	41	C21		NSD									
C	42	C31	CD	9	8	F	1	0.1	10			Chrysotile	
C	43	C41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-3FD-100704 *Lab/Cor Sample No.:* B5334 S9 A1

Descripiton: Duplicate Analysis of LC# 041191-87 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44		NSD									
A	2	B34		NSD									
A	3	B24		NSD									
A	4	B14		NSD									
A	5	B4		NSD									
A	6	C4		NSD									
A	7	C14		NSD									
A	8	C24		NSD									
A	9	C34		NSD									
A	10	C44		NSD								opening blown out	
A	11	B42		NSD									
A	12	B32		NSD									
A	13	B22		NSD									
A	14	B12		NSD									
A	15	B2		NSD									
A	16	C2		NSD									
A	17	C12		NSD									
A	18	C22		NSD									
A	19	C32		NSD									
A	20	C42		NSD									
A	21	B40		NSD									
A	22	B30		NSD									
A	23	B20		NSD									
A	24	B10		NSD									
A	25	C10		NSD									
A	26	C20		NSD									
A	27	C30		NSD									
A	28	C40		NSD									
A	29	A41		NSD									
A	30	A31	AQ	1		MD1-0	6	5.5	1.1			Actinolite	
A	30	A31	AQ		1	MF	3.3	0.5	6.6			Mg, Al, Si, Ca, Fe Actinolite	
A	31	A21		NSD									
A	32	A11		NSD									
A	33	A1		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.
Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-3FD-100704 *Lab/Cor Sample No.:* B5334 S9 A1
Descripiton: Duplicate Analysis of LC# 041191-87 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	34	D1		NSD									
A	35	D11	CD	2	2	F	0.7	0.1	7.0			Chrysotile	
A	35	D11	CD	3	3	F	0.6	0.08	7.5			Chrysotile	
A	35	D11	AQ	4	4	F	3.8	0.6	6.3			Mg, Al, Si, Ca, Fe Actinolite	
A	36	D21	AQ	5		MD1-1	10	5	2.0			Actinolite	
A	36	D21	AQ		5	MF	10	2.5	4.0			Mg, Al, Si, Ca, Fe Actinolite	
A	37	D31		NSD									
A	38	D41	CD	6	6	F	1.5	0.12	12			Mg, Al, Si, Ca, Fe Chrysotile	
B	39	B44		NSD									
B	40	B34		NSD									
B	41	B4	AQ	7	7	F	4.2	1.2	3.5			Mg, Al, Si, Ca, Fe Actinolite	
B	42	B24		NSD									
B	43	B14		NSD									
B	44	C4		NSD									
B	45	C14		NSD									
B	46	C24		NSD									
B	47	C31		NSD									
B	48	C41		NSD									
B	49	B42		NSD									
B	50	B32		NSD									
B	51	B22		NSD									
B	52	B12		NSD									
B	53	B2		NSD									
B	54	C2	AQ	8	8	F	3	0.8	3.8			Mg, Al, Si, Ca, Fe Actinolite 25% blown out	
B	55	C12		NSD									
B	56	C22		NSD									
B	57	C32		NSD									
B	58	C42		NSD									
B	59	B40		NSD									
B	60	B30		NSD									
B	61	B20		NSD									
B	62	B10		NSD									
B	63	C10		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.
Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-3FD-100704 *Lab/Cor Sample No.:* B5334 S9 A1
Descripiton: Duplicate Analysis of LC# 041191-87 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	64	C20		NSD									
B	65	C30		NSD									
B	66	C40		NSD									
C	67	B44		NSD									
C	68	B34		NSD									
C	69	B24		NSD									
C	70	B14		NSD									
C	71	B4		NSD									
C	72	C4		NSD									
C	73	C14		NSD									
C	74	C24		NSD									
C	75	C34		NSD									
C	76	C44		NSD									
C	77	B42	CD	9	9	F	0.6	0.1	6.0			Chrysotile	
C	78	B32		NSD									
C	79	B22		NSD									
C	80	B12		NSD									
C	81	B2		NSD									
C	82	C2		NSD									
C	83	C12	AQ	10		MD1-1	8.2	4	2.0			Actinolite	
C	83	C12	AQ		10	MF	8.2	1.2	6.8			Mg, Al, Si, Ca, Fe Actinolite	
C	84	C22		NSD									
C	85	C32		NSD									
C	86	C42	AQ	11	11	F	3.2	0.55	5.8			Mg, Al, Si, Ca, Fe Actinolite	
C	87	D1		NSD									
C	88	D11	AQ	12		MD1-1	9	3.8	2.4			Actinolite	
C	88	D11	AQ		12	MF	5.8	0.7	8.3			Mg, Al, Si, Ca, Fe Actinolite	
C	89	D21		NSD									
C	90	D41		NSD									
C	91	D31	CD	13		MD1-0	2.8	2	1.4			Chrysotile	
C	91	D31	CD		13	MF	0.6	0.1	6.0			Chrysotile	

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-5FD-101009 *Lab/Cor Sample No.:* B5334 S10 A1

Descripiton: Replicate Analysis of LC# 041191-112 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A23		NSD									
A	2	A3	CMQ	1	1	F	1	0.06	17			Mg, Si Chrysotile	
A	3	D13	AQ	2	2	F	13	2.4	5.4			Mg, Al, Si, Ca, Fe Actinolite	
A	4	D33	AQ	3	3	F	12	2.5	4.8			Mg, Al, Si, Ca, Fe Actinolite	
A	4	D33	AQ	4	4	F	8	2	4.0			Mg, Al, Si, Ca, Fe Actinolite	
A	5	D41	CMQ	5	5	B	1.1	0.06	18			Mg, Si Chrysotile	
A	5	D41	CMQ	6	6	F	0.5	0.06	8.3			Mg, Si Chrysotile	
A	6	D21		NSD									
A	7	D1	AQ	7	7	F	8	1.5	5.3			Mg, Al, Si, Ca, Fe Actinolite	
A	8	A11		NSD									
A	9	A31		NSD									
A	10	A41		NSD									
A	11	B40	AQ	8	8	B	7	1.6	4.4			Mg, Al, Si, Ca, Fe Actinolite	
A	12	B20		NSD									
A	13	B10		NSD									
A	14	C10		NSD									
A	15	C30		NSD									
A	16	C40		NSD									
A	17	C42	AQ	9	9	F	6	0.7	8.6			Mg, Al, Si, Ca, Fe Actinolite	
A	18	C22		NSD									
A	19	C2		NSD									
A	20	B12		NSD									
A	21	B32		NSD									
A	22	B44	AQ	10		MD1-0	4	3	1.3			Actinolite	
A	22	B44	AQ		10	MF	1.3	0.25	5.2			Mg, Al, Si, Ca, Fe Actinolite	
B	23	B24		NSD									
B	24	B4	AQ	11	11	F	15	2.5	6.0			Mg, Al, Si, Ca, Fe Actinolite	
B	25	C14		NSD									
B	26	C34		NSD									
B	27	C43		NSD									
B	28	C23		NSD									
B	29	C3	AQ	12		MD1-0	15	12	1.2			Actinolite	
B	29	C3	AQ		12	MF	2.8	0.4	7.0			Mg, Al, Si, Ca, Fe Actinolite	
B	30	B13		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-5FD-101009 *Lab/Cor Sample No.:* B5334 S10 A1

Descripiton: Replicate Analysis of LC# 041191-112 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	31	B33		NSD									
B	32	B22		NSD									
B	33	B2		NSD									
B	34	C12		NSD									
B	35	C32		NSD									
B	36	C41	AQ	13		MD1-1	15	7	2.1			Actinolite	
B	36	C41	AQ		13	MF	7.5	0.8	9.4			Mg, Al, Si, Ca, Fe Actinolite	
B	37	C21		NSD									
B	38	C1	CD	14		CD4-0	4	1	4.0			Chrysotile	
B	38	C1	CD		14	CF15-0	2	0.1	20			Chrysotile	
B	38	C1	CD		15	CF	1.1	0.1	11			Chrysotile	
B	38	C1	CD		16	CF	0.5	0.1	5.0			Chrysotile	
B	38	C1	CD		17	CR13-0	1.2	0.6	2.0			Chrysotile	
B	39	B11		NSD									
B	40	B31		NSD									
B	41	A31		NSD									
B	42	A11		NSD									
B	43	D10		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.
Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-5FD-101007 *Lab/Cor Sample No.:* B5334 S11 A1
Descripiton: Duplicate Analysis of LC#041191-112 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A23		NSD									
A	2	A3	CD	1	1	F	1	0.1	10			Chrysotile	
A	3	D13		NSD									
A	4	D33		NSD									
A	5	D41		NSD									
A	6	D21		NSD									
A	7	D1		NSD									
A	8	A11		NSD									
A	9	A31		NSD									
A	10	A41		NSD									
A	11	B40	AQ	2		MD1-0	10	7.5	1.3			Actinolite	
A	11	B40	AQ		2	MF	1	0.15	6.7			Mg, Si, Ca, Fe Actinolite	
A	12	B20		NSD									
A	13	B10		NSD									
A	14	C10		NSD									
A	15	C30		NSD									
A	16	C40		NSD									
A	17	C42		NSD									
A	18	C22	CD	3	3	F	0.65	0.1	6.5			Chrysotile ???Maybe	
A	19	C2		NSD									
A	20	B12		NSD									
A	21	B32		NSD									
A	22	B44		NSD									
B	23	B24		NSD									
B	24	B4		NSD									
B	25	C14		NSD									
B	26	C34	AQ	4		MD1-0	3.5	2	1.8			Actinolite	
B	26	C34	AQ		4	MF	3.5	0.5	7.0			Mg, Si, Ca, Fe Actinolite	
B	27	C43	CD	5		MD1-0	4	2.5	1.6			Chrysotile	
B	27	C43	CD		5	MF	2	0.1	20			Chrysotile	
B	28	C23	CD	6	6	F	0.5	0.1	5.0			Chrysotile	
B	29	C3	CD	7	7	F	0.75	0.1	7.5			Chrysotile	
B	29	C3	AQ	8		MD1-1	12	10	1.2			Actinolite	
B	29	C3	AQ		8	MF	12	1.5	8.0			Mg, Si, Ca, Fe Actinolite	

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-5FD-101007 *Lab/Cor Sample No.:* B5334 S11 A1

Descripiton: Duplicate Analysis of LC#041191-112 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	30	B13		NSD									
B	31	B33		NSD									
B	32	B22		NSD									
B	33	B2		NSD									
B	34	C12		NSD									
B	35	C32		NSD									
B	36	C41		NSD									
B	37	C21		NSD									
B	38	C1	CD	9	9	B	4	1	4.0			Chrysotile	
B	39	B11		NSD									
B	40	B31		NSD									
B	41	A31		NSD									
B	42	A11		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.
Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-2FD-101006 *Lab/Cor Sample No.:* B5334 S12 A1
Descripiton: Duplicate Analysis of LC#041191-109 - Reprepped Sample

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44		NSD									
A	2	B34		NSD									
A	3	B24		NSD									
A	4	B14		NSD									
A	5	B4		NSD									
A	6	C4		NSD									
A	7	C14		NSD									
A	8	C24		NSD									
A	9	C34		NSD									
A	10	B42		NSD									
A	11	B32	CD	1		MD1-0	2.5	2.5	1.0			Chrysotile	
A	11	B32	CD		1	MF	0.75	0.1	7.5			Chrysotile	
A	12	B22		NSD									
B	30	B22	AQ	2	2	F	12	2.5	4.8			Mg, Si, Ca, Fe Actinolite	
B	31	B12	AQ	3		MD1-1	10	7.5	1.3			Actinolite	
B	31	B12	AQ		3	MF	10	2.75	3.6			Mg, Si, Ca, Fe Actinolite	
B	32	B2		NSD									
B	33	C2	CD	4		MD1-0	1.5	1.5	1.0			Chrysotile	
B	33	C2	CD		4	MF	1	0.1	10			Chrysotile	
B	34	C12		NSD									
B	35	C22	AQ	5		MD1-0	15	15	1.0			Actinolite	
B	35	C22	AQ		5	MF	2.5	0.35	7.1			Mg, Si, Ca, Fe Actinolite	
B	36	C32		NSD									
B	37	C42	AQ	6	6	F	1.2	0.25	4.8			Mg, Si, Ca, Fe Actinolite	
B	38	A41		NSD									
B	39	A31		NSD									
B	40	A21		NSD									
B	41	A11		NSD									
B	42	A1	AQ	7	7	F	20	4	5.0			Mg, Si, Ca, Fe Actinolite	
B	43	B44		NSD									
B	44	B34		NSD									
B	45	B24		NSD									
B	46	B14		NSD									
C	47	B42	CD	8		MD1-0	4	4	1.0			Chrysotile	

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-2FD-101006 *Lab/Cor Sample No.:* B5334 S12 A1

Descripiton: Duplicate Analysis of LC#041191-109 - Reprepped Sample

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	47	B42	CD		8	MF	1	0.1	10			Chrysotile	
C	48	B32	AQ	9	9	F	12	0.75	16			Mg, Si, Ca, Fe Actinolite	
C	48	B32	AQ	10		MD1-1	7.5	5	1.5			Actinolite	
C	48	B32	AQ		10	MF	8	0.75	11			Mg, Si, Ca, Fe Actinolite	
C	49	B22		NSD									
C	50	B12		NSD									
C	51	B2		NSD									
C	52	C2		NSD									
C	53	C12		NSD									
C	54	C22		NSD									
C	55	C32		NSD									
C	56	C42	AQ	11		MD1-1	15	15	1.0			Actinolite	
C	56	C42	AQ		11	MF	15	2	7.5			Mg, Si, Ca, Fe Actinolite	
C	57	B44		NSD									
C	58	B34	AQ	12	12	F	2	0.3	6.7			Mg, Si, Ca, Fe Actinolite	
C	59	B14		NSD									
C	60	B4		NSD									
C	61	C4	AQ	13	13	F	3	1	3.0			Mg, Si, Ca, Fe Actinolite	
C	62	C14		NSD									
C	63	A20		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-5FD-101007 *Lab/Cor Sample No.:* B5334 S13 A1

Descripiton: Duplicate Analysis of LC# 041191-112 - Different Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	1	B44	AQ	1	1	F	6.2	1.5	4.1			Mg, Al, Si, Ca, Fe Actinolite	
C	2	B24		NSD									
C	3	B4		NSD									
C	4	B43	CD	2	2	F	4	0.11	36			Chrysotile	
C	4	B43	AQ	3	3	F	4	0.8	5.0			Actinolite	
C	5	B23		NSD									
C	6	B32	AQ	4	4	F	4.3	0.4	11			Mg, Al, Si, Ca, Fe Actinolite	
C	7	B12		NSD									
C	8	C2	AQ	5	5	F	4	0.7	5.7			Mg, Al, Si, Ca, Fe Actinolite	
C	8	C2	AQ	6	6	F	1.8	0.4	4.5			Mg, Al, Si, Ca, Fe Actinolite	
C	9	C22		NSD									
C	10	B41	CD	7		MD1-0	1.8	1	1.8			Chrysotile	
C	10	B41	CD		7	MF	0.5	0.08	6.2			Chrysotile	
C	11	B21	AQ	8		MD1-0	8	8	1.0			Actinolite	
C	11	B21	AQ		8	MF	4.8	0.6	8.0			Mg, Al, Si, Ca, Fe Actinolite	
C	12	B1		NSD									
C	13	C11		NSD									
C	14	C31	AQ	9	9	F	2.8	0.55	5.1			Mg, Al, Si, Ca, Fe Actinolite	
C	15	A41		NSD									
C	16	A31		NSD									
C	17	A1		NSD									
C	18	D11	AQ	10		MD1-0	12	8	1.5			Actinolite	
C	18	D11	AQ		10	MF	4.8	0.6	8.0			Mg, Al, Si, Ca, Fe Actinolite	
C	19	A42		NSD									
C	20	A2	AQ	11	11	F	17.8	1.8	9.9			Mg, Al, Si, Ca, Fe Actinolite	
C	21	D2		NSD									
C	22	D12		NSD									
A	23	A42		NSD									
A	24	A22	AQ	12	12	F	7.2	1.2	6.0			Mg, Al, Si, Ca, Fe Actinolite	
A	25	A2		NSD									
A	26	D12		NSD									
A	27	D32	AQ	13	13	F	9.5	1.5	6.3			Mg, Al, Si, Ca, Fe Actinolite	
A	28	D40		NSD									
A	29	D20		NSD									

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A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.
Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-5FD-101007 *Lab/Cor Sample No.:* B5334 S13 A1
Descripiton: Duplicate Analysis of LC# 041191-112 - Different Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	30	D10		NSD									
A	31	A10		NSD									
A	32	A30	CD	14	14	F	1	0.1	10			Chrysotile	
A	33	A40		NSD									
A	34	B41		NSD									
A	35	B21	CD	15		MD1-0	4.8	4	1.2			Chrysotile	
A	35	B21	CD		15	MF	1.8	0.12	15			Chrysotile	
A	35	B21	AQ	16	16	F	6.5	0.8	8.1			Mg, Al, Si, Ca, Fe Actinolite	
A	36	B1		NSD									
A	37	C11		NSD									
A	38	C31		NSD									
A	39	B43		NSD									
A	40	B23	AQ	17	17	F	17	1.5	11			Mg, Al, Si, Ca, Fe Actinolite	
A	41	B3		NSD									
A	42	C13	CD	18	18	F	1.8	0.1	18			Chrysotile	
A	42	C13	CD	19	19	F	0.9	0.11	8.2			Chrysotile	
A	43	C33		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: AAMS-D08-100404 *Lab/Cor Sample No.:* B5334 S14 A1

Descripiton: Replicate Analysis of LC#041210-46 - Reprepped Sample

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44	AQ	1	1	F	5	0.45	11			Mg, Al, Si, Ca, Fe Actinolite	
A	2	B24		NSD									
A	3	B4		NSD									
A	4	C14	AQ	2	2	F	4.2	0.55	7.6			Mg, Al, Si, Ca, Fe Actinolite	
A	5	C34	AQ	3		MD1-0	3.5	3	1.2			Actinolite	
A	5	C34	AQ		3	MF	3.5	0.33	11			Mg, Al, Si, Ca, Fe Actinolite	
A	6	C43		NSD									
A	7	C23		NSD									
A	8	C3		NSD									
A	9	B13		NSD									
A	10	B33		NSD									
A	11	B42	AQ	4	4	F	2	0.6	3.3			Mg, Al, Si, Ca, Fe Actinolite	
A	12	B22	CD	5	5	F	0.8	0.08	10			Chrysotile	
A	13	B2		NSD									
A	14	C12		NSD									
A	15	C32	CD	6	6	F	0.8	0.1	8.0			Chrysotile	
A	16	C41	CD	7	7	F	1	0.1	10			Chrysotile	
A	17	C21		NSD									
A	18	C1	AQ	8		MD1-0	4.8	3	1.6			Actinolite	
A	18	C1	AQ		8	MF	4.8	0.3	16			Mg, Al, Si, Ca, Fe Actinolite	
A	18	C1	CD	9	9	F	1.5	0.1	15			Chrysotile	
A	19	B11	AQ	10	10	F	12	1.8	6.7			Mg, Al, Si, Ca, Fe Actinolite	
A	20	B31	CD	11	11	F	0.7	0.05	14			Chrysotile	
A	21	A41		NSD									
A	22	A21		NSD									
A	23	A1		NSD									
A	24	D11	AQ	12	12	F	17	1.8	9.4			Mg, Al, Si, Ca, Fe Actinolite	
A	25	D31		NSD									
A	26	D42		NSD									
A	27	D22	CD	13		MD1-0	1.8	1	1.8			Chrysotile	
A	27	D22	CD		13	MF	0.8	0.05	16			Chrysotile	
A	27	D22	AQ	14	14	F	2.2	0.5	4.4			Mg, Al, Si, Ca, Fe Actinolite	
A	28	D2		NSD									
A	29	A12	AQ	15	15	B	6.5	2	3.2			Mg, Al, Si, Ca, Fe Actinolite	

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: AAMS-D08-100404 *Lab/Cor Sample No.:* B5334 S14 A1

Descripiton: Replicate Analysis of LC#041210-46 - Reprepped Sample

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	30	A32	CD	16	16	F	0.7	0.05	14			Chrysotile	
B	31	A4	AQ	17	17	F	3	0.18	17			Mg, Al, Si, Ca, Fe Actinolite	
B	32	D14		NSD									
B	33	D34		NSD									
B	34	A43		NSD									
B	35	A23	AQ	18	18	F	4	0.8	5.0			Mg, Al, Si, Ca, Fe Actinolite	
B	36	A32		NSD									
B	37	A12	AQ	19	19	F	16	1.3	12			Mg, Al, Si, Ca, Fe Actinolite	
B	38	D2	AQ	20		MD1-1	6.2	3.5	1.8			Actinolite	
B	38	D2	AQ		20	MF	5.5	0.7	7.9			Mg, Al, Si, Ca, Fe Actinolite	
B	38	D2	CD	21	21	F	0.8	0.11	7.3			Chrysotile	
B	39	D22		NSD									
B	40	D42		NSD									
B	41	C20		NSD									
B	42	C40		NSD									
B	43	C2	CD	22	22	F	0.8	0.1	8.0			Chrysotile	
B	43	C2	AQ	23	23	F	3.8	0.45	8.4			Mg, Al, Si, Ca, Fe Actinolite	
B	44	B12	AQ	24		MD1-1	8.5	3.5	2.4			Actinolite	
B	44	B12	AQ		24	MF	6	1.1	5.5			Mg, Al, Si, Ca, Fe Actinolite	
B	45	B32		NSD									
B	46	C33		NSD									
B	47	C13		NSD									
B	48	B23	AQ	25	25	F	1.5	0.35	4.3			Mg, Al, Si, Ca, Fe Actinolite	
B	49	B30	CD	26	26	F	1.2	0.1	12			Chrysotile	

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A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.
Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-3FD-100704 *Lab/Cor Sample No.:* B5334 S15 A1
Descripiton: Replicate Analysis of LC# 041191-87 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44		NSD									
A	2	B34		NSD									
A	3	B24		NSD									
A	4	B14		NSD									
A	5	B4		NSD									
A	6	C4		NSD									
A	7	C14		NSD									
A	8	C24		NSD									
A	9	C34		NSD									
A	10	C44		NSD									
A	11	B42		NSD									
A	12	B32		NSD									
A	13	B22		NSD									
A	14	B12		NSD									
A	15	B2		NSD									
A	16	C2		NSD									
A	17	C12		NSD									
A	18	C22		NSD									
A	19	C32		NSD									
A	20	C42		NSD									
A	21	B40		NSD									
A	22	B30		NSD									
A	23	B20		NSD									
A	24	B10		NSD									
A	25	C10		NSD									
A	26	C20		NSD									
A	27	C30		NSD									
A	28	C40		NSD									
A	29	A41		NSD									
A	30	A31		NSD									
A	31	A21		NSD									
A	32	A11		NSD									
A	33	A1		NSD									
A	34	D1		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-3FD-100704 *Lab/Cor Sample No.:* B5334 S15 A1

Descripiton: Replicate Analysis of LC# 041191-87 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	35	D11	CD	1	1	F	0.75	0.1	7.5			Chrysotile	
A	35	D11	CD	2	2	F	0.5	0.1	5.0			Chrysotile	
A	35	D11	CD	3	3	F	0.75	0.15	5.0			Chrysotile	
A	36	D21	AQ	4		MD1-0	4	4	1.0			Actinolite	
A	36	D21	AQ		4	MF	2.75	0.65	4.2			Mg,Si,Ca,Fe Actinolite	
A	37	D31		NSD									
A	38	D41	CD	5	5	F	1.5	0.15	10			Chrysotile	
B	39	B44		NSD									
B	40	B34		NSD									
B	41	B24		NSD									
B	42	B14	CD	6	6	F	1	0.1	10			Chrysotile	
B	43	B4		NSD									
B	44	C4		NSD									
B	45	C14		NSD									
B	46	C24		NSD									
B	47	C34		NSD									
B	48	C44		NSD									
B	49	B42		NSD									
B	50	B32		NSD									
B	51	B22		NSD									
B	52	B12		NSD									
B	53	B2	CD	7	7	B	5.5	1.2	4.6			Chrysotile	
B	54	C2		NSD									
B	55	C12		NSD									
B	56	C22		NSD									
B	57	C32		NSD									
B	58	C42		NSD									
B	59	B40		NSD									
B	60	B30		NSD									
B	61	B20		NSD									
B	62	B10		NSD									
B	63	C10		NSD									
B	64	C20		NSD									
B	65	C30		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.
Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-3FD-100704 *Lab/Cor Sample No.:* B5334 S15 A1
Descripiton: Replicate Analysis of LC# 041191-87 - Same Grid Openings

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	66	C40		NSD									
C	67	B44		NSD									
C	68	B34		NSD									
C	69	B24		NSD									
C	70	B14		NSD									
C	71	B4		NSD									
C	72	C4		NSD									
C	73	C14	AQ	8	8	B	2	0.75	2.7			Mg, Si, Ca, Fe Actinolite	
C	74	C24		NSD									
C	75	C34		NSD									
C	76	C44		NSD									
C	77	B42	CD	9	9	F	0.75	0.1	7.5			Chrysotile	
C	78	B32	AQ	10		MD	15	12	1.2			Actinolite	
C	78	B32	AQ		10	MF	15	2.5	6.0			Mg, Si, Ca, Fe Actinolite	
C	79	B22		NSD									
C	80	B12		NSD									
C	81	B2		NSD									
C	82	C2		NSD									
C	83	C12	AQ	11		MD	9	4	2.2			Actinolite	
C	83	C12	AQ		11	MF	9	2	4.5			Mg, Si, Ca, Fe Actinolite	
C	84	C22		NSD									
C	85	C32		NSD									
C	86	D1	AQ	12	12	B	9	2.75	3.3			Mg, Si, Ca, Fe Actinolite	
C	87	D21		NSD									
C	88	D31	CD	13		MD1-0	2.5	2.5	1.0			Chrysotile	
C	88	D31	CD		13	MF	1	0.1	10			Chrysotile	
C	89	D41		NSD									
C	90	D11		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050580R01

Client: Ecology and Environment, Inc.

Project Name: QC for Indirect Samples

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

NSD = No Structures Detected
PAS = Primary Asbestos Structures
TAS = Total Asbestos Structures
AS>5 = Asbestos Structures > 5um
AFB>5 = Asbestos Fibers and Bundles > 5um
PCMEF-US = PCM Equivalent Fibers-US
PCMES-US = PCM Equivalent Structures-US
PCMEF-ISO = PCM Equivalent Fibers-ISO
PCMES-ISO = PCM Equivalent Structures-ISO

CF = Cleavage Fragments
TS = Transitional Structures

PSAS 5-10 = PROTOCOL ASB STRUCS 5-10
PSAS >10 = PROTOCOL ASB STRUCS >10
PSAS TOT = PROTOCOL ASB STRUCS TOTAL
PSCH 5-10 = PROTOCOL CHRYS STRUCS 5-10
PSCH >10 = PROTOCOL CHRYS STRUCS >10
PSCH TOT = PROTOCOL CHRYS STRUCS TOTAL
PSAM 5-10 = PROTOCOL AMPH STRUCS 5-10
PSAM >10 = PROTOCOL AMPH STRUCS >10
PSAM TOT = PROTOCOL AMPH STRUCS TOTAL

PChS = Primary Chrysotile Structures
PAmS = Primary Amphibole Structures

TAS_AHRA = AHERA-like Total Strucs 3:1
AS>5_AHRA = AHERA-like Asb Strucs >5 and 3:1
AS5-10_AHRA = AHERA-like Asb Strucs 5 - 10 and 3:1
AS>10_AHRA = AHERA-like Asb Strucs >10 and 3:1
TOS_AHRA = Total Other Amphibole Strucs 3:1
OS>5_AHRA = Other Amphibole Struc >5 and 3:1
OS5-10_AHRA = Other Amphibole Struc 5 - 10 and 3:1
OS>10_AHRA = Other Amphibole Strucs >10 and 3:1

The hard copy of the additional information for this data package including:

-QC Summary
-QC Package (microscope logs and calibrations)
-Sample preparation logs

can be found in the file for Data Package 041172R07.

The information can also be found on the CD under

From Lab\Data Package\QC and Additional Information