Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Friday, April 22, 2005

Lab/Cor Report Number: *050680R01*

Howard Edwards
Ecology and Environment, Inc.
350 Sansome
Ste 300
San Francisco CA 94104

Phone: 415-981-2811
Fax: 415-981-0801

Project Name: Indirect QC of L/C# 041210
Project Number: 0440.01CP-0018
Client Reference:
Sample Receipt Date: 4/18/2005

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 #: ***B5418***		
S1-A1	SRA-R04-100704 Indirect Analysis of L/C# 041210-18	ISO 13794, indirect
S2-A1	SRA-R03-100704 Indirect Analysis of L/C# 041210-19	ISO 13794, indirect
S3-A1	SRA-R05-100704 Indirect Analysis of L/C# 041210-20	ISO 13794, indirect
S4-A1	SRA-R02-100704 Indirect Analysis of L/C# 041210-21	ISO 13794, indirect
S5-A1	NRA-R101-101004 Indirect Analysis of L/C# 041210-34	ISO 13794, indirect
S6-A1	NRA-R01-101004 Indirect Analysis of L/C# 041210-35	ISO 13794, indirect
S7-A1	NRA-R05-101004 Indirect Analysis of L/C# 041210-36	ISO 13794, indirect
S8-A1	NRA-R04-101004 Indirect Analysis of L/C# 041210-37	ISO 13794, indirect
S9-A1	NRA-R03-101004 Indirect Analysis of L/C# 041210-38	ISO 13794, indirect
S10-A1	NRA-R02-101004 Indirect Analysis of L/C# 041210-39	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 # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

ANALYSIS DETAIL

Lab/Cor Sample No. B5418 S1 A1
Client Sample No. SRA-R04-100704
Description Indirect Analysis of L/C# 041210-18
Analysis Date 4/18/2005
Analyst KM

Volume (L) 6136.4
No. of Grid Openings 15
Filter Area (mm2) 193
Area Analyzed (mm2) 0.217
Analytical Sens. (struc/cc) 0.000289
Dectection Limit. (struc/cc) 0.000865

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	32.2	0.00203	0.000814 - 0.00417	7
Total Asbestos Structures	27.6	0.00174	0.000637 - 0.00378	6
Asbestos Structures > 5um	0.0	<0.000865	0.00 - 0.000865	0
Asbestos Fibers and Bundles > 5um	0.0	<0.000865	0.00 - 0.000865	0
PCM Equivalent Fibers-US	0.0	<0.000865	0.00 - 0.000865	0
PCM Equivalent Structures-US	0.0	<0.000865	0.00 - 0.000865	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.000865	0.00 - 0.000865	0
PROTOCOL ASB STRUCS >10	0.0	<0.000865	0.00 - 0.000865	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.000865	0.00 - 0.000865	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.000865	0.00 - 0.000865	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.000865	0.00 - 0.000865	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.000865	0.00 - 0.000865	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.000865	0.00 - 0.000865	0
PROTOCOL AMPH STRUCS >10	0.0	<0.000865	0.00 - 0.000865	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.000865	0.00 - 0.000865	0
AHERA-like Total Structures 3:1	27.6	0.00174	0.000637 - 0.00378	6
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.000865	0.00 - 0.000865	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.000865	0.00 - 0.000865	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.000865	0.00 - 0.000865	0
Total Other Amphibole Strucs 3:1	4.6	0.000289	0.00 - 0.00137	1
Other Amphibole Strucs >5 and 3:1	0.0	<0.000865	0.00 - 0.000865	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.000865	0.00 - 0.000865	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.000865	0.00 - 0.000865	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

ANALYSIS DETAIL

Lab/Cor Sample No. B5418 S2 A1
Client Sample No. SRA-R03-100704
Description Indirect Analysis of L/C# 041210-19
Analysis Date 4/18/2005
Analyst KM

Volume (L) 5885.4
No. of Grid Openings 16
Filter Area (mm2) 193
Area Analyzed (mm2) 0.232
Analytical Sens. (struc/cc) 0.000283
Dectection Limit. (struc/cc) 0.000846

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	17.3	0.00113	0.000308 - 0.00290	4
Total Asbestos Structures	17.3	0.00113	0.000308 - 0.00290	4
Asbestos Structures > 5um	0.0	<0.000846	0.00 - 0.000846	0
Asbestos Fibers and Bundles > 5um	0.0	<0.000846	0.00 - 0.000846	0
PCM Equivalent Fibers-US	0.0	<0.000846	0.00 - 0.000846	0
PCM Equivalent Structures-US	0.0	<0.000846	0.00 - 0.000846	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.000846	0.00 - 0.000846	0
PROTOCOL ASB STRUCS >10	0.0	<0.000846	0.00 - 0.000846	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.000846	0.00 - 0.000846	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.000846	0.00 - 0.000846	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.000846	0.00 - 0.000846	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.000846	0.00 - 0.000846	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.000846	0.00 - 0.000846	0
PROTOCOL AMPH STRUCS >10	0.0	<0.000846	0.00 - 0.000846	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.000846	0.00 - 0.000846	0
AHERA-like Total Structures 3:1	17.3	0.00113	0.000308 - 0.00290	4
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.000846	0.00 - 0.000846	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.000846	0.00 - 0.000846	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.000846	0.00 - 0.000846	0
Total Other Amphibole Strucs 3:1	0.0	<0.000846	0.00 - 0.000846	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.000846	0.00 - 0.000846	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.000846	0.00 - 0.000846	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.000846	0.00 - 0.000846	0

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Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

ANALYSIS DETAIL

Lab/Cor Sample No. B5418 S3 A1
Client Sample No. SRA-R05-100704
Description Indirect Analysis of L/C# 041210-20
Analysis Date 4/19/2005
Analyst KM

Volume (L) 5817.4
No. of Grid Openings 16
Filter Area (mm2) 193
Area Analyzed (mm2) 0.232
Analytical Sens. (struc/cc) 0.000286
Dectection Limit. (struc/cc) 0.000856

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	17.3	0.00114	0.000312 - 0.00293	4
Total Asbestos Structures	17.3	0.00114	0.000312 - 0.00293	4
Asbestos Structures > 5um	17.3	0.00114	0.000312 - 0.00293	4
Asbestos Fibers and Bundles > 5um	17.3	0.00114	0.000312 - 0.00293	4
PCM Equivalent Fibers-US	17.3	0.00114	0.000312 - 0.00293	4
PCM Equivalent Structures-US	12.9	0.000859	0.00 - 0.00222	3
PROTOCOL ASB STRUCS 5-10	4.3	0.000286	0.00 - 0.00136	1
PROTOCOL ASB STRUCS >10	0.0	<0.000856	0.00 - 0.000856	0
PROTOCOL ASB STRUCS TOTAL	4.3	0.000286	0.00 - 0.00136	1
PROTOCOL CHRYS STRUCS 5-10	4.3	0.000286	0.00 - 0.00136	1
PROTOCOL CHRYS STRUCS >10	0.0	<0.000856	0.00 - 0.000856	0
PROTOCOL CHRYS STRUCS TOTAL	4.3	0.000286	0.00 - 0.00136	1
PROTOCOL AMPH STRUCS 5-10	0.0	<0.000856	0.00 - 0.000856	0
PROTOCOL AMPH STRUCS >10	0.0	<0.000856	0.00 - 0.000856	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.000856	0.00 - 0.000856	0
AHERA-like Total Structures 3:1	17.3	0.00114	0.000312 - 0.00293	4
AHERA-like Asb Strucs >5 and 3:1	17.3	0.00114	0.000312 - 0.00293	4
AHERA-like Asb Strucs 5 - 10 and 3:1	12.9	0.000859	0.00 - 0.00222	3
AHERA-like Asb Strucs >10 and 3:1	4.3	0.000286	0.00 - 0.00136	1
Total Other Amphibole Strucs 3:1	0.0	<0.000856	0.00 - 0.000856	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.000856	0.00 - 0.000856	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.000856	0.00 - 0.000856	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.000856	0.00 - 0.000856	0

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Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

ANALYSIS DETAIL

Lab/Cor Sample No. B5418 S4 A1
Client Sample No. SRA-R02-100704
Description Indirect Analysis of L/C# 041210-21
Analysis Date 4/19/2005
Analyst KM

Volume (L) 6603.3
No. of Grid Openings 14
Filter Area (mm2) 193
Area Analyzed (mm2) 0.203
Analytical Sens. (struc/cc) 0.000288
Dectection Limit. (struc/cc) 0.000862

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	39.4	0.00231	0.000995 - 0.00454	8
Total Asbestos Structures	39.4	0.00231	0.000995 - 0.00454	8
Asbestos Structures > 5um	9.9	0.000576	0.00 - 0.00182	2
Asbestos Fibers and Bundles > 5um	4.9	0.000288	0.00 - 0.00137	1
PCM Equivalent Fibers-US	4.9	0.000288	0.00 - 0.00137	1
PCM Equivalent Structures-US	4.9	0.000288	0.00 - 0.00137	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.000862	0.00 - 0.000862	0
PROTOCOL ASB STRUCS >10	0.0	<0.000862	0.00 - 0.000862	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.000862	0.00 - 0.000862	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.000862	0.00 - 0.000862	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.000862	0.00 - 0.000862	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.000862	0.00 - 0.000862	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.000862	0.00 - 0.000862	0
PROTOCOL AMPH STRUCS >10	0.0	<0.000862	0.00 - 0.000862	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.000862	0.00 - 0.000862	0
AHERA-like Total Structures 3:1	39.4	0.00231	0.000995 - 0.00454	8
AHERA-like Asb Strucs >5 and 3:1	9.9	0.000576	0.00 - 0.00182	2
AHERA-like Asb Strucs 5 - 10 and 3:1	9.9	0.000576	0.00 - 0.00182	2
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.000862	0.00 - 0.000862	0
Total Other Amphibole Strucs 3:1	0.0	<0.000862	0.00 - 0.000862	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.000862	0.00 - 0.000862	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.000862	0.00 - 0.000862	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.000862	0.00 - 0.000862	0

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Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

ANALYSIS DETAIL

Lab/Cor Sample No. B5418 S5 A1
Client Sample No. NRA-R101-101004
Description Indirect Analysis of L/C# 041210-34
Analysis Date 4/19/2005
Analyst KM

Volume (L) 5268.5
No. of Grid Openings 17
Filter Area (mm2) 193
Area Analyzed (mm2) 0.246
Analytical Sens. (struc/cc) 0.000297
Dectection Limit. (struc/cc) 0.000889

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	0.0	<0.000889	0.00 - 0.000889	0
Total Asbestos Structures	0.0	<0.000889	0.00 - 0.000889	0
Asbestos Structures > 5um	0.0	<0.000889	0.00 - 0.000889	0
Asbestos Fibers and Bundles > 5um	0.0	<0.000889	0.00 - 0.000889	0
PCM Equivalent Fibers-US	0.0	<0.000889	0.00 - 0.000889	0
PCM Equivalent Structures-US	0.0	<0.000889	0.00 - 0.000889	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.000889	0.00 - 0.000889	0
PROTOCOL ASB STRUCS >10	0.0	<0.000889	0.00 - 0.000889	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.000889	0.00 - 0.000889	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.000889	0.00 - 0.000889	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.000889	0.00 - 0.000889	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.000889	0.00 - 0.000889	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.000889	0.00 - 0.000889	0
PROTOCOL AMPH STRUCS >10	0.0	<0.000889	0.00 - 0.000889	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.000889	0.00 - 0.000889	0
AHERA-like Total Structures 3:1	0.0	<0.000889	0.00 - 0.000889	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.000889	0.00 - 0.000889	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.000889	0.00 - 0.000889	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.000889	0.00 - 0.000889	0
Total Other Amphibole Strucs 3:1	0.0	<0.000889	0.00 - 0.000889	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.000889	0.00 - 0.000889	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.000889	0.00 - 0.000889	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.000889	0.00 - 0.000889	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

ANALYSIS DETAIL

Lab/Cor Sample No. B5418 S6 A1
Client Sample No. NRA-R01-101004
Description Indirect Analysis of L/C# 041210-35
Analysis Date 4/18/2005
Analyst DW

Volume (L) 5186.25
No. of Grid Openings 17
Filter Area (mm2) 193
Area Analyzed (mm2) 0.246
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	24.4	0.00181	0.000665 - 0.00395	6
Total Asbestos Structures	24.4	0.00181	0.000665 - 0.00395	6
Asbestos Structures > 5um	4.1	0.000302	0.00 - 0.00143	1
Asbestos Fibers and Bundles > 5um	4.1	0.000302	0.00 - 0.00143	1
PCM Equivalent Fibers-US	4.1	0.000302	0.00 - 0.00143	1
PCM Equivalent Structures-US	4.1	0.000302	0.00 - 0.00143	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.000903	0.00 - 0.000903	0
PROTOCOL ASB STRUCS >10	0.0	<0.000903	0.00 - 0.000903	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.000903	0.00 - 0.000903	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.000903	0.00 - 0.000903	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.000903	0.00 - 0.000903	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.000903	0.00 - 0.000903	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.000903	0.00 - 0.000903	0
PROTOCOL AMPH STRUCS >10	0.0	<0.000903	0.00 - 0.000903	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.000903	0.00 - 0.000903	0
AHERA-like Total Structures 3:1	24.4	0.00181	0.000665 - 0.00395	6
AHERA-like Asb Strucs >5 and 3:1	4.1	0.000302	0.00 - 0.00143	1
AHERA-like Asb Strucs 5 - 10 and 3:1	4.1	0.000302	0.00 - 0.00143	1
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.000903	0.00 - 0.000903	0
Total Other Amphibole Strucs 3:1	0.0	<0.000903	0.00 - 0.000903	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.000903	0.00 - 0.000903	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.000903	0.00 - 0.000903	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.000903	0.00 - 0.000903	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

ANALYSIS DETAIL

Lab/Cor Sample No. B5418 S7 A1
Client Sample No. NRA-R05-101004
Description Indirect Analysis of L/C# 041210-36
Analysis Date 4/18/2005
Analyst DW

Volume (L) 4791.6
No. of Grid Openings 19
Filter Area (mm2) 193
Area Analyzed (mm2) 0.275
Analytical Sens. (struc/cc) 0.000293
Dectection Limit. (struc/cc) 0.000875

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	7.3	0.000585	0.00 - 0.00184	2
Total Asbestos Structures	7.3	0.000585	0.00 - 0.00184	2
Asbestos Structures > 5um	7.3	0.000585	0.00 - 0.00184	2
Asbestos Fibers and Bundles > 5um	7.3	0.000585	0.00 - 0.00184	2
PCM Equivalent Fibers-US	7.3	0.000585	0.00 - 0.00184	2
PCM Equivalent Structures-US	7.3	0.000585	0.00 - 0.00184	2
PROTOCOL ASB STRUCS 5-10	0.0	<0.000875	0.00 - 0.000875	0
PROTOCOL ASB STRUCS >10	0.0	<0.000875	0.00 - 0.000875	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.000875	0.00 - 0.000875	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.000875	0.00 - 0.000875	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.000875	0.00 - 0.000875	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.000875	0.00 - 0.000875	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.000875	0.00 - 0.000875	0
PROTOCOL AMPH STRUCS >10	0.0	<0.000875	0.00 - 0.000875	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.000875	0.00 - 0.000875	0
AHERA-like Total Structures 3:1	7.3	0.000585	0.00 - 0.00184	2
AHERA-like Asb Strucs >5 and 3:1	7.3	0.000585	0.00 - 0.00184	2
AHERA-like Asb Strucs 5 - 10 and 3:1	3.6	0.000293	0.00 - 0.00139	1
AHERA-like Asb Strucs >10 and 3:1	3.6	0.000293	0.00 - 0.00139	1
Total Other Amphibole Strucs 3:1	0.0	<0.000875	0.00 - 0.000875	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.000875	0.00 - 0.000875	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.000875	0.00 - 0.000875	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.000875	0.00 - 0.000875	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

ANALYSIS DETAIL

Lab/Cor Sample No. B5418 S8 A1
Client Sample No. NRA-R04-101004
Description Indirect Analysis of L/C# 041210-37
Analysis Date 4/18/2005
Analyst DW

Volume (L) 4919.34
No. of Grid Openings 18
Filter Area (mm2) 193
Area Analyzed (mm2) 0.261
Analytical Sens. (struc/cc) 0.000301
Dectection Limit. (struc/cc) 0.000900

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	0.0	<0.000900	0.00 - 0.000900	0
Total Asbestos Structures	0.0	<0.000900	0.00 - 0.000900	0
Asbestos Structures > 5um	0.0	<0.000900	0.00 - 0.000900	0
Asbestos Fibers and Bundles > 5um	0.0	<0.000900	0.00 - 0.000900	0
PCM Equivalent Fibers-US	0.0	<0.000900	0.00 - 0.000900	0
PCM Equivalent Structures-US	0.0	<0.000900	0.00 - 0.000900	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.000900	0.00 - 0.000900	0
PROTOCOL ASB STRUCS >10	0.0	<0.000900	0.00 - 0.000900	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.000900	0.00 - 0.000900	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.000900	0.00 - 0.000900	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.000900	0.00 - 0.000900	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.000900	0.00 - 0.000900	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.000900	0.00 - 0.000900	0
PROTOCOL AMPH STRUCS >10	0.0	<0.000900	0.00 - 0.000900	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.000900	0.00 - 0.000900	0
AHERA-like Total Structures 3:1	0.0	<0.000900	0.00 - 0.000900	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.000900	0.00 - 0.000900	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.000900	0.00 - 0.000900	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.000900	0.00 - 0.000900	0
Total Other Amphibole Strucs 3:1	0.0	<0.000900	0.00 - 0.000900	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.000900	0.00 - 0.000900	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.000900	0.00 - 0.000900	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.000900	0.00 - 0.000900	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

ANALYSIS DETAIL

Lab/Cor Sample No. B5418 S9 A1
Client Sample No. NRA-R03-101004
Description Indirect Analysis of L/C# 041210-38
Analysis Date 4/18/2005
Analyst DW

Volume (L) 5024.93
No. of Grid Openings 18
Filter Area (mm2) 193
Area Analyzed (mm2) 0.261
Analytical Sens. (struc/cc) 0.000295
Dectection Limit. (struc/cc) 0.000881

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	23.0	0.00177	0.000649 - 0.00385	6
Total Asbestos Structures	23.0	0.00177	0.000649 - 0.00385	6
Asbestos Structures > 5um	7.7	0.000589	0.00 - 0.00186	2
Asbestos Fibers and Bundles > 5um	0.0	<0.000881	0.00 - 0.000881	0
PCM Equivalent Fibers-US	0.0	<0.000881	0.00 - 0.000881	0
PCM Equivalent Structures-US	0.0	<0.000881	0.00 - 0.000881	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.000881	0.00 - 0.000881	0
PROTOCOL ASB STRUCS >10	0.0	<0.000881	0.00 - 0.000881	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.000881	0.00 - 0.000881	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.000881	0.00 - 0.000881	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.000881	0.00 - 0.000881	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.000881	0.00 - 0.000881	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.000881	0.00 - 0.000881	0
PROTOCOL AMPH STRUCS >10	0.0	<0.000881	0.00 - 0.000881	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.000881	0.00 - 0.000881	0
AHERA-like Total Structures 3:1	23.0	0.00177	0.000649 - 0.00385	6
AHERA-like Asb Strucs >5 and 3:1	7.7	0.000589	0.00 - 0.00186	2
AHERA-like Asb Strucs 5 - 10 and 3:1	3.8	0.000295	0.00 - 0.00140	1
AHERA-like Asb Strucs >10 and 3:1	3.8	0.000295	0.00 - 0.00140	1
Total Other Amphibole Strucs 3:1	0.0	<0.000881	0.00 - 0.000881	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.000881	0.00 - 0.000881	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.000881	0.00 - 0.000881	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.000881	0.00 - 0.000881	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

ANALYSIS DETAIL

Lab/Cor Sample No. B5418 S10 A1
Client Sample No. NRA-R02-101004
Description Indirect Analysis of L/C# 041210-39
Analysis Date 4/18/2005
Analyst DW

Volume (L) 5049
No. of Grid Openings 18
Filter Area (mm2) 193
Area Analyzed (mm2) 0.261
Analytical Sens. (struc/cc) 0.000293
Dectection Limit. (struc/cc) 0.000876

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	15.3	0.00117	0.000319 - 0.00300	4
Total Asbestos Structures	15.3	0.00117	0.000319 - 0.00300	4
Asbestos Structures > 5um	7.7	0.000586	0.00 - 0.00185	2
Asbestos Fibers and Bundles > 5um	0.0	<0.000876	0.00 - 0.000876	0
PCM Equivalent Fibers-US	0.0	<0.000876	0.00 - 0.000876	0
PCM Equivalent Structures-US	0.0	<0.000876	0.00 - 0.000876	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.000876	0.00 - 0.000876	0
PROTOCOL ASB STRUCS >10	0.0	<0.000876	0.00 - 0.000876	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.000876	0.00 - 0.000876	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.000876	0.00 - 0.000876	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.000876	0.00 - 0.000876	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.000876	0.00 - 0.000876	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.000876	0.00 - 0.000876	0
PROTOCOL AMPH STRUCS >10	0.0	<0.000876	0.00 - 0.000876	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.000876	0.00 - 0.000876	0
AHERA-like Total Structures 3:1	15.3	0.00117	0.000319 - 0.00300	4
AHERA-like Asb Strucs >5 and 3:1	7.7	0.000586	0.00 - 0.00185	2
AHERA-like Asb Strucs 5 - 10 and 3:1	7.7	0.000586	0.00 - 0.00185	2
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.000876	0.00 - 0.000876	0
Total Other Amphibole Strucs 3:1	0.0	<0.000876	0.00 - 0.000876	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.000876	0.00 - 0.000876	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.000876	0.00 - 0.000876	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.000876	0.00 - 0.000876	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SRA-R04-100704 *Lab/Cor Sample No.:* B5418 S1 A1
Descripiton: Indirect Analysis of L/C# 041210-18

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B43	CMQ	1	1	F	1.5	0.11	14			Mg, Si Chrysotile	TAS_AHRA
A	2	B3		NSD									
A	3	C21		NSD									
A	4	D1	CDQ	2	2	F	1.2	0.08	15	1599	1230	Mg, Si Chrysotile Verified - KM	TAS_AHRA
A	5	D41		NSD									
A	6	A43	AZQ	3	3	F	1.7	0.5	3.4	1600	1231	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [5 1 4] - KM	TAS_AHRA
A	7	A23	AQ	4	4	F	4	0.55	7.3			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	7	A23	CD	5	5	F	0.8	0.1	8.0			Chrysotile	TAS_AHRA
B	8	B13	OZQ	6	6	F	2.5	0.65	3.8	1601	1232	Na, Mg, Al, Si, Ca, Fe Winchite Zone Axis [1 0 1] - KM	TOS_AHRA
B	9	C3	CD	7	7	F	0.8	0.1	8.0			Chrysotile	TAS_AHRA
B	10	C23		NSD									
B	11	A11		NSD									
B	12	D1		NSD									
B	13	A13		NSD									
B	14	D3		NSD									
B	15	D23		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SRA-R03-100704 *Lab/Cor Sample No.:* B5418 S2 A1
Descripiton: Indirect Analysis of L/C# 041210-19

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B22		NSD									
A	2	B2		NSD									
A	3	C12	CDQ	1	1	F	0.6	0.1	6.0	1602	1233	Mg, Si Chrysotile Verified- KM	TAS_AHRA
A	4	C32		NSD									
A	5	A32		NSD									
A	6	A12		NSD									
A	7	D2	AQ	2	2	F	2.5	0.78	3.2		1234	Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	8	D22		NSD									
B	9	B32		NSD									
B	10	B12	CD	3	3	F	1.5	0.12	12			Chrysotile	TAS_AHRA
B	11	C12		NSD									
B	12	C32	AZQ	4	4	F	4.8	0.65	7.4	337	16053	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [2 0 1] DW	TAS_AHRA
B	13	A11		NSD									
B	14	D1		NSD									
B	15	D21		NSD									
B	16	D41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SRA-R05-100704 *Lab/Cor Sample No.:* B5418 S3 A1
Descripiton: Indirect Analysis of L/C# 041210-20

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A34		NSD									
A	2	A14		NSD									
A	3	D4		NSD									
A	4	D24	AQ	1	1	F	9	1	9.0		1236	Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	5	D44		NSD									
A	6	D10		NSD									
A	7	D30	AZQ	2	2	F	13	2.5	5.2	333	16050	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 0 0] DW	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	8	C33	CDQ	3		MD1-1	10	5	2.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	8	C33	CDQ		3	MB	6.3	0.35	18	334	16051	Mg, Si Chrysotile Verified - KM	AFB>5, PCMEF-US, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT
B	9	A31		NSD									
B	10	A11		NSD									
B	11	D1		NSD									
B	12	D21	AQ	4	4	F	8.5	1.8	4.7			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	13	A43		NSD									
B	14	A23		NSD									
B	15	A3		NSD									
B	16	D13		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: SRA-R02-100704 *Lab/Cor Sample No.:* B5418 S4 A1
Descripiton: Indirect Analysis of L/C# 041210-21

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A42	CDQ	1	1	F	1.2	0.1	12	354	16068	Mg, Si Chrysotile Verified - KM	TAS_AHRA
A	2	A12		NSD									
A	3	D22	CD	2	2	F	0.5	0.03	17			Chrysotile	TAS_AHRA
A	4	B32		NSD									
A	5	B12		NSD									
A	6	B2	CD	3	3	B	1.1	0.15	7.3			Chrysotile	TAS_AHRA
A	7	C12	AQ	4	4	F	7	1.6	4.4		16069	Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	8	A22	AZQ	5		MD1-0	5.5	3.5	1.6			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	8	A22	AZQ		5	MF	4	1.2	3.3	355	16070	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [3 1 3] - KM	
B	8	A22	AQ	6		MD1-0	1.8	0.8	2.2			Actinolite	TAS_AHRA
B	8	A22	AQ		6	MF	1.5	0.3	5.0			Mg, Al, Si, Ca, Fe Actinolite	
B	9	A2	CD	7	7	F	0.8	0.1	8.0			Chrysotile	TAS_AHRA
B	10	D12		NSD									
B	11	B32		NSD									
B	12	B12		NSD									
B	13	C2		NSD									
B	14	C22	AQ	8	8	F	4.8	1	4.8			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NRA-R101-101004 *Lab/Cor Sample No.:* B5418 S5 A1
Descripiton: Indirect Analysis of L/C# 041210-34

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B33		NSD									
A	2	B13		NSD									
A	3	C3		NSD									
A	4	C30		NSD									
A	5	C10		NSD									
A	6	A32		NSD									
A	7	A12		NSD									
A	8	A1		NSD									
A	9	D11		NSD									
A	10	D31		NSD									
B	11	B41		NSD									
B	12	B21		NSD									
B	13	B1		NSD									
B	14	C11		NSD									
B	15	C31		NSD									
B	16	D40		NSD									
B	17	D10		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NRA-R01-101004 *Lab/Cor Sample No.:* B5418 S6 A1
Descripiton: Indirect Analysis of L/C# 041210-35

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B40		NSD									
A	2	B20		NSD									
A	3	B10		NSD									
A	4	C10	CD	1	1	B	3.5	0.3	12			Mg, Si Chrysotile	TAS_AHRA
A	5	C30		NSD									
A	6	D41		NSD									
A	7	D31		NSD									
A	8	D1	CD	2	2	F	0.75	0.1	7.5			Chrysotile	TAS_AHRA
A	9	A1	AZQ	3	3	F	6	1.5	4.0	329	16046	Mg, Si, Ca, Fe Actinolite Zone Axis [2 0 1] DW	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	10	A10		NSD									
B	11	D1		NSD									
B	12	D21		NSD									
B	13	D41		NSD									
B	14	C31		NSD									
B	15	C1		NSD									
B	16	A22	AQ	4	4	F	4	0.75	5.3			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	16	A22	CD	5	5	F	0.6	0.1	6.0			Chrysotile	TAS_AHRA
B	17	A2	AQ	6	6	F	2	0.6	3.3			Mg, Si, Ca, Fe Actinolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NRA-R05-101004 *Lab/Cor Sample No.:* B5418 S7 A1
Descripiton: Indirect Analysis of L/C# 041210-36

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B41		NSD									
A	2	B21		NSD									
A	3	B1		NSD									
A	4	C11		NSD									
A	5	C31		NSD									
A	6	C43		NSD									
A	7	C23	AZQ	1	1	F	5.2	1.2	4.3	330	16047	Mg, Si, Ca, Fe Actinolite Zone Axis [5 -1 0] DW	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	8	C3		NSD									
A	9	B13		NSD									
A	10	B33		NSD									
B	11	A41		NSD									
B	12	A31		NSD									
B	13	A21	AQ	2	2	F	15	2.5	6.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	14	A11		NSD									
B	15	A1		NSD									
B	16	D11		NSD									
B	17	D31		NSD									
B	18	D40		NSD									
B	19	C20		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NRA-R04-101004 *Lab/Cor Sample No.:* B5418 S8 A1
Descripiton: Indirect Analysis of L/C# 041210-37

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B24		NSD									
A	2	B4		NSD									
A	3	C14		NSD									
A	4	C24		NSD									
A	5	C34		NSD									
A	6	C44		NSD									
A	7	C42		NSD									
A	8	C22		NSD									
A	9	C1		NSD									
A	10	B11		NSD									
A	11	B31		NSD									
B	12	A41		NSD									
B	13	A31		NSD									
B	14	A21		NSD									
B	15	A11		NSD									
B	16	A1		NSD									
B	17	D11		NSD									
B	18	D21		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NRA-R03-101004 *Lab/Cor Sample No.:* B5418 S9 A1
Descripiton: Indirect Analysis of L/C# 041210-38

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B43		NSD									
A	2	B13	AQ	1	1	F	1.8	0.5	3.6			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	3	C13		NSD									
A	4	B41		NSD									
A	5	B21		NSD									
A	6	B1	AQ	2	2	B	27	8	3.4			Mg, Al, Si, Ca, Fe Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	7	C11		NSD									
A	8	C31		NSD									
B	9	B41		NSD									
B	10	B21		NSD									
B	11	B1	AQ	3	3	F	2.2	0.5	4.4	342	1238	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 0 1] - KM	TAS_AHRA
B	11	B1	AQ	4		MD1-0	3	0.8	3.8			Actinolite	TAS_AHRA
B	11	B1	AQ		4	MF	3	0.5	6.0			Mg, Al, Si, Ca, Fe Actinolite	
B	12	C21		NSD									
B	13	A1	AQ	5	5	F	3	0.6	5.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	14	D31	AQ	6		MD1-0	6	5	1.2			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	14	D31	AQ		6	MF	4	0.6	6.7			Mg, Al, Si, Ca, Fe Actinolite	
B	15	A33		NSD									
B	16	A13		NSD									
B	17	D3		NSD									
B	18	D10		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 050680R01

Client: Ecology and Environment, Inc.
Project Name: Indirect QC of L/C# 041210

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NRA-R02-101004 *Lab/Cor Sample No.:* B5418 S10 A1
Descripiton: Indirect Analysis of L/C# 041210-39

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A41		NSD									
A	2	A31		NSD									
A	3	A21		NSD									
A	4	A11		NSD									
A	5	A1		NSD									
A	6	D11	AZQ	1		MD1-0	10	10	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	6	D11	AZQ		1	MF	3	0.4	7.5	331	16048	Mg, Si, Ca, Fe Actinolite Zone Axis [5 1 4] DW	
A	7	D21	CDQ	2	2	F	0.5	0.1	5.0	332	16049	Mg, Si Chrysotile Confirmed DW	TAS_AHRA
A	8	D31		NSD									
A	9	D41	AQ	3	3	F	2	0.25	8.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	10	C30		NSD									
B	11	B42		NSD									
B	12	B32		NSD									
B	13	B22		NSD									
B	14	B12		NSD									
B	15	B2		NSD									
B	16	C12		NSD									
B	17	C32		NSD									
B	18	C33	AQ	4		MD1-0	6	6	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	18	C33	AQ		4	MF	2.5	0.5	5.0			Mg, Si, Ca, Fe Actinolite	

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