Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Wednesday, December 08, 2004 Lab/Cor Report Number: *041191R6*

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Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS
Project Number: 0440.01CP 10/07/04
Client Reference:
Sample Receipt Date: 10/12/2004

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 #: ***B4773***		
S1-A1	CC6-H6-1CP-100704	ISO 10312, direct
S2-A1	CC6-H6-2CP-100704	ISO 10312, direct
S3-A1	CC6-L6-1CA-100704	ISO 10312, direct
S4-A1	CC6-L6-1CB-100704	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S5-A1	CC6-L6-2CB-100704	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S6-A1	CC6-L6-3CB-100704	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S7-A1	CPS-H2-1FD-100704	ISO 10312, direct
S8-A1	CPS-H2-1ZB-100704	ISO 10312, direct
S9-A1	CPS-H2-2FD-100704	ISO 10312, direct
S10-A1	CPS-H2-4FD-100704	ISO 10312, direct
S11-A1	CPS-L2-15CH-100704	ISO 10312, direct
S12-A1	CPS-L2-1CH-100704	ISO 10312, direct
S13-A1	CPS-L2-1NA-100704	ISO 10312, direct
S14-A1	CPS-L2-2CH-100704	ISO 10312, direct
S15-A1	CPS-L2-3CH-100704	ISO 10312, direct
S16-A1	CPS-L2-4CH-100704	ISO 10312, direct
S17-A1	CPS-L2-5CH-100704	ISO 10312, direct
S18-A1	JOGB-L2-12AD-100704	ISO 10312, direct
S19-A1	JOGB-L2-1AD-100704	ISO 10312, direct
S20-A1	JOGB-L2-2AD-100704	ISO 10312, direct
S21-A1	JOGB-L2-3AD-100704	ISO 10312, direct
S22-A1	JOGB-L2-4AD-100704	ISO 10312, direct
S23-A1	JOGB-L2-5AD-100704	ISO 10312, direct
S24-A1	NYB-H2-1FD-100704	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S25-A1	NYB-H2-1ZP-100704	ISO 10312, direct
S26-A1	NYB-H2-2FD-100704	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S27-A1	NYB-H2-4FD-100704	ISO 10312, direct
S28-A1	NYB-L2-11CH-100704	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S29-A1	NYB-L2-1CH-100704	ISO 10312, direct: Rejected at Preparation - Loose Particulate

S30-A1	NYB-L2-1NA-100704	ISO 10312, direct
S31-A1	NYB-L2-1ZB-100704	ISO 10312, direct
S32-A1	NYB-L2-2CH-100704	ISO 10312, direct
S33-A1	NYB-L2-3CH-100704	ISO 10312, direct: Rejected at analysis for high particulate loading
S34-A1	NYB-L2-4CH-100704	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S35-A1	NYB-L2-5CH-100704	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S36-A1	CC9-L6-11CA-101004	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S37-A1	CC9-L6-1CA-101004	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S38-A1	CC9-L6-1CC-101004	ISO 10312, direct
S39-A1	CC9-L6-2CC-101004	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S40-A1	CC9-L6-3CC-101004	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S41-A1	JEB-H1-6FD-101004	ISO 10312, direct
S42-A1	JEB-H1-7FD-101004	ISO 10312, direct
S43-A1	JEB-L2-1CH-101004	ISO 10312, direct
S44-A1	JEB-L2-1NA-101004	ISO 10312, direct
S45-A1	JEB-L2-2CH-101004	ISO 10312, direct
S46-A1	JEB-L2-3CH-101004	ISO 10312, direct
S47-A1	JEB-L2-4CH-101004	ISO 10312, direct
S48-A1	JEB-L2-5CH-101004	ISO 10312, direct
S49-A1	JEG-L2-15CH-101004	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S50-A1	JEG-L2-1AD-101004	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S51-A1	JEG-L2-1CH-101004	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S52-A1	JEG-L2-1ZB-101004	ISO 10312, direct
S53-A1	JEG-L2-2CH-101004	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S54-A1	JEG-L2-3CH-101004	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S55-A1	JEG-L2-4CH-101004	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S56-A1	JEG-L2-5CH-101004	ISO 10312, direct: Rejected at Preparation - Loose Particulate
S57-A1	JEG-L2-FB-101004	ISO 10312, direct
S58-A1	JEP-L2-1CH-101004	ISO 10312, direct
S59-A1	JEP-L2-1NA-101004	ISO 10312, direct
S60-A1	JEP-L2-1ZB-101004	ISO 10312, direct
S61-A1	JEP-L2-2CH-101004	ISO 10312, direct
S62-A1	JEP-L2-3CH-101004	ISO 10312, direct
S63-A1	JEP-L2-4CH-101004	ISO 10312, direct
S64-A1	JEP-L2-5CH-101004	ISO 10312, direct
S65-A1	TRA-L2-1ZP-100904	ISO 10312, direct
S66-A1	CPS-H2-14FD-100704	ISO 10312, direct
S67-A1	CPS-H2-1PG-100704	ISO 10312, direct
S68-A1	CPS-H2-2PG-100704	ISO 10312, direct
S69-A1	CPS-H2-3FD-100704	ISO 10312, direct
S70-A1	CPS-H2-3PG-100704	ISO 10312, direct
S71-A1	CPS-H2-4PG-100704	ISO 10312, direct
S72-A1	CPS-H2-5FD-100704	ISO 10312, direct
S73-A1	CPS-H2-5PG-100704	ISO 10312, direct
S74-A1	CPS-L2-FB-100704	ISO 10312, direct
S75-A1	JEB-L2-1ZP-101004	ISO 10312, direct
S76-A1	JOGB-H2-12TR-100704	ISO 10312, direct
S77-A1	JOGB-H2-1TR-100704	ISO 10312, direct
S78-A1	JOGB-H2-2TR-100704	ISO 10312, direct
S79-A1	JOGB-H2-3TR-100704	ISO 10312, direct
S80-A1	JOGB-H2-4TR-100704	ISO 10312, direct
S81-A1	JOGB-H2-5TR-100704	ISO 10312, direct

S82-A1	NYB-H2-12FD-100704	ISO 10312, direct: Rejected at Prep - Loose particulate on filter, possible moisture on filter
S83-A1	NYB-H2-13PG-100704	ISO 10312, direct
S84-A1	NYB-H2-1PG-100704	ISO 10312, direct
S85-A1	NYB-H2-22FD-100704	ISO 10312, direct
S86-A1	NYB-H2-2PG-100704	ISO 10312, direct
S87-A1	NYB-H2-3FD-100704	ISO 10312, direct: Rejected at analysis for high particulate loading
S88-A1	NYB-H2-3PG-100704	ISO 10312, direct
S89-A1	NYB-H2-4PG-100704	ISO 10312, direct
S90-A1	NYB-H2-5FD-100704	ISO 10312, direct
S91-A1	NYB-H2-5PG-100704	ISO 10312, direct
S92-A1	NYB-L2-1ZP-100704	ISO 10312, direct
S93-A1	TRA-H2-1ZP-100904	ISO 10312, direct
S94-A1	TRA-H8-11TR-100904	ISO 10312, direct
S95-A1	TRA-H8-1TR-100904	ISO 10312, direct
S96-A1	TRA-H8-2TR-100904	ISO 10312, direct
S97-A1	TRA-H8-3TR-100904	ISO 10312, direct
S98-A1	TRA-H8-4TR-100904	ISO 10312, direct
S99-A1	TRA-H8-5TR-100904	ISO 10312, direct
S100-A1	TRA-L2-1ZB-100904	ISO 10312, direct: Rejected at Prep - About 1-2 mm hole in filter
S101-A1	JEB-H1-12FD-101004	ISO 10312, direct: Rejected at Prep - About 1-2 mm hole in filter
S102-A1	JEB-H1-1FD-101004	ISO 10312, direct
S103-A1	JEB-H1-2FD-101004	ISO 10312, direct
S104-A1	JEB-H1-3FD-101004	ISO 10312, direct: Rejected at Prep - Blue & White filter remmants from manufacturing under filter, causing redistribution of air flow over filter
S105-A1	JEB-H2-4FD-101004	ISO 10312, direct
S106-A1	JEB-H2-5EFD-101004	ISO 10312, direct
S107-A1	JEB-H2-5WFD-101004	ISO 10312, direct
S108-A1	JEG-H2-1FD-101004	ISO 10312, direct: Rejected at Analysis - Overloaded w/ Particulate
S109-A1	JEG-H2-2FD-101004	ISO 10312, direct: Rejected at Analysis - Overloaded w/ Particulate
S110-A1	JEG-H2-3FD-101004	ISO 10312, direct
S111-A1	JEG-H2-4FD-101004	ISO 10312, direct
S112-A1	JEG-H2-5FD-101004	ISO 10312, direct: Rejected at analysis for high particulate loading
S113-A1	JEP-H2-15FD-101004	ISO 10312, direct
S114-A1	JEP-H2-1FD-101004	ISO 10312, direct
S115-A1	JEP-H2-2FD-101004	ISO 10312, direct
S116-A1	JEP-H2-3FD-101004	ISO 10312, direct
S117-A1	JEP-H2-4FD-101004	ISO 10312, direct
S118-A1	JEP-H2-5FD-101004	ISO 10312, direct
S119-A1	JOGB-L2-1NA-100704	ISO 10312, direct

ISO 10312, direct

Preparation and analysis of the above samples was conducted in accordance with the ISO method 10312 (Direct) for the identification of asbestos. Briefly, the samples 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 air 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 # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S1 A1
Client Sample No. CC6-H6-1CP-100704
Description
Analysis Date 10/21/2004
Analyst KM

Volume (L) 2436
No. of Grid Openings 11
Filter Area (mm2) 385
Area Analyzed (mm2) 0.159
Analytical Sens. (struc/cc) 0.000992
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	0.0	<0.00296	0.00 - 0.00296	0
Total Asbestos Structures	0.0	<0.00296	0.00 - 0.00296	0
Asbestos Structures > 5um	0.0	<0.00296	0.00 - 0.00296	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00296	0.00 - 0.00296	0
PCM Equivalent Fibers-US	0.0	<0.00296	0.00 - 0.00296	0
PCM Equivalent Structures-US	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL ASB STRUCS >10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00296	0.00 - 0.00296	0
AHERA-like Total Structures 3:1	0.0	<0.00296	0.00 - 0.00296	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00296	0.00 - 0.00296	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00296	0.00 - 0.00296	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00296	0.00 - 0.00296	0
Total Other Amphibole Strucs 3:1	0.0	<0.00296	0.00 - 0.00296	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00296	0.00 - 0.00296	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00296	0.00 - 0.00296	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00296	0.00 - 0.00296	0

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Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S2 A1
Client Sample No. CC6-H6-2CP-100704
Description
Analysis Date 10/21/2004
Analyst KM

Volume (L) 2452.8
No. of Grid Openings 11
Filter Area (mm2) 385
Area Analyzed (mm2) 0.159
Analytical Sens. (struc/cc) 0.000985
Dectection Limit. (struc/cc) 0.00294

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	12.5	0.00197	0.00 - 0.00620	2
Total Asbestos Structures	12.5	0.00197	0.00 - 0.00620	2
Asbestos Structures > 5um	6.3	0.000985	0.00 - 0.00467	1
Asbestos Fibers and Bundles > 5um	6.3	0.000985	0.00 - 0.00467	1
PCM Equivalent Fibers-US	6.3	0.000985	0.00 - 0.00467	1
PCM Equivalent Structures-US	6.3	0.000985	0.00 - 0.00467	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL ASB STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00294	0.00 - 0.00294	0
AHERA-like Total Structures 3:1	12.5	0.00197	0.00 - 0.00620	2
AHERA-like Asb Strucs >5 and 3:1	6.3	0.000985	0.00 - 0.00467	1
AHERA-like Asb Strucs 5 - 10 and 3:1	6.3	0.000985	0.00 - 0.00467	1
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Total Other Amphibole Strucs 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0

Lab/Cor, Inc.

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Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S3 A1
Client Sample No. CC6-L6-1CA-100704
Description
Analysis Date 10/21/2004
Analyst KM

Volume (L) 918
No. of Grid Openings 30
Filter Area (mm2) 385
Area Analyzed (mm2) 0.435
Analytical Sens. (struc/cc) 0.000965
Dectection Limit. (struc/cc) 0.00288

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	13.8	0.00579	0.00212 - 0.0126	6
Total Asbestos Structures	13.8	0.00579	0.00212 - 0.0126	6
Asbestos Structures > 5um	6.9	0.00289	0.00 - 0.00748	3
Asbestos Fibers and Bundles > 5um	6.9	0.00289	0.00 - 0.00748	3
PCM Equivalent Fibers-US	6.9	0.00289	0.00 - 0.00748	3
PCM Equivalent Structures-US	2.3	0.000965	0.00 - 0.00457	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL ASB STRUCS >10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00288	0.00 - 0.00288	0
AHERA-like Total Structures 3:1	13.8	0.00579	0.00212 - 0.0126	6
AHERA-like Asb Strucs >5 and 3:1	6.9	0.00289	0.00 - 0.00748	3
AHERA-like Asb Strucs 5 - 10 and 3:1	2.3	0.000965	0.00 - 0.00457	1
AHERA-like Asb Strucs >10 and 3:1	4.6	0.00193	0.00 - 0.00608	2
Total Other Amphibole Strucs 3:1	0.0	<0.00288	0.00 - 0.00288	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00288	0.00 - 0.00288	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00288	0.00 - 0.00288	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00288	0.00 - 0.00288	0

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Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S7 A1
Client Sample No. CPS-H2-1FD-100704
Description
Analysis Date 10/25/2004
Analyst JH

Volume (L) 1238.16
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000933
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	3.0	0.000933	0.00 - 0.00442	1
Total Asbestos Structures	3.0	0.000933	0.00 - 0.00442	1
Asbestos Structures > 5um	3.0	0.000933	0.00 - 0.00442	1
Asbestos Fibers and Bundles > 5um	3.0	0.000933	0.00 - 0.00442	1
PCM Equivalent Fibers-US	3.0	0.000933	0.00 - 0.00442	1
PCM Equivalent Structures-US	3.0	0.000933	0.00 - 0.00442	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00279	0.00 - 0.00279	0
PROTOCOL ASB STRUCS >10	0.0	<0.00279	0.00 - 0.00279	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00279	0.00 - 0.00279	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00279	0.00 - 0.00279	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00279	0.00 - 0.00279	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00279	0.00 - 0.00279	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00279	0.00 - 0.00279	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00279	0.00 - 0.00279	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00279	0.00 - 0.00279	0
AHERA-like Total Structures 3:1	3.0	0.000933	0.00 - 0.00442	1
AHERA-like Asb Strucs >5 and 3:1	3.0	0.000933	0.00 - 0.00442	1
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00279	0.00 - 0.00279	0
AHERA-like Asb Strucs >10 and 3:1	3.0	0.000933	0.00 - 0.00442	1
Total Other Amphibole Strucs 3:1	0.0	<0.00279	0.00 - 0.00279	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00279	0.00 - 0.00279	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00279	0.00 - 0.00279	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00279	0.00 - 0.00279	0

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Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S8 A1
Client Sample No. CPS-H2-1ZB-100704
Description
Analysis Date 10/25/2004
Analyst JH

Volume (L) 1201.29
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000962
Dectection Limit. (struc/cc) 0.00288

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	0.0	<0.00288	0.00 - 0.00288	0
Total Asbestos Structures	0.0	<0.00288	0.00 - 0.00288	0
Asbestos Structures > 5um	0.0	<0.00288	0.00 - 0.00288	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00288	0.00 - 0.00288	0
PCM Equivalent Fibers-US	0.0	<0.00288	0.00 - 0.00288	0
PCM Equivalent Structures-US	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL ASB STRUCS >10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00288	0.00 - 0.00288	0
AHERA-like Total Structures 3:1	0.0	<0.00288	0.00 - 0.00288	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00288	0.00 - 0.00288	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00288	0.00 - 0.00288	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00288	0.00 - 0.00288	0
Total Other Amphibole Strucs 3:1	0.0	<0.00288	0.00 - 0.00288	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00288	0.00 - 0.00288	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00288	0.00 - 0.00288	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00288	0.00 - 0.00288	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S9 A1
Client Sample No. CPS-H2-2FD-100704
Description
Analysis Date 10/25/2004
Analyst JH

Volume (L) 1273.2
No. of Grid Openings 21
Filter Area (mm2) 385
Area Analyzed (mm2) 0.304
Analytical Sens. (struc/cc) 0.000994
Dectection Limit. (struc/cc) 0.00297

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	6.6	0.00199	0.00 - 0.00626	2
Total Asbestos Structures	6.6	0.00199	0.00 - 0.00626	2
Asbestos Structures > 5um	6.6	0.00199	0.00 - 0.00626	2
Asbestos Fibers and Bundles > 5um	6.6	0.00199	0.00 - 0.00626	2
PCM Equivalent Fibers-US	6.6	0.00199	0.00 - 0.00626	2
PCM Equivalent Structures-US	6.6	0.00199	0.00 - 0.00626	2
PROTOCOL ASB STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Total Structures 3:1	6.6	0.00199	0.00 - 0.00626	2
AHERA-like Asb Strucs >5 and 3:1	6.6	0.00199	0.00 - 0.00626	2
AHERA-like Asb Strucs 5 - 10 and 3:1	3.3	0.000994	0.00 - 0.00471	1
AHERA-like Asb Strucs >10 and 3:1	3.3	0.000994	0.00 - 0.00471	1
Total Other Amphibole Strucs 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S10 A1
Client Sample No. CPS-H2-4FD-100704
Description
Analysis Date 10/25/2004
Analyst JH

Volume (L) 1197.72
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000965
Dectection Limit. (struc/cc) 0.00288

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	21.0	0.00675	0.00271 - 0.0139	7
Total Asbestos Structures	21.0	0.00675	0.00271 - 0.0139	7
Asbestos Structures > 5um	9.0	0.00289	0.00 - 0.00747	3
Asbestos Fibers and Bundles > 5um	6.0	0.00193	0.00 - 0.00608	2
PCM Equivalent Fibers-US	6.0	0.00193	0.00 - 0.00608	2
PCM Equivalent Structures-US	6.0	0.00193	0.00 - 0.00608	2
PROTOCOL ASB STRUCS 5-10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL ASB STRUCS >10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00288	0.00 - 0.00288	0
AHERA-like Total Structures 3:1	21.0	0.00675	0.00271 - 0.0139	7
AHERA-like Asb Strucs >5 and 3:1	9.0	0.00289	0.00 - 0.00747	3
AHERA-like Asb Strucs 5 - 10 and 3:1	6.0	0.00193	0.00 - 0.00608	2
AHERA-like Asb Strucs >10 and 3:1	3.0	0.000965	0.00 - 0.00457	1
Total Other Amphibole Strucs 3:1	0.0	<0.00288	0.00 - 0.00288	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00288	0.00 - 0.00288	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00288	0.00 - 0.00288	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00288	0.00 - 0.00288	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S11 A1
Client Sample No. CPS-L2-15CH-100704
Description
Analysis Date 10/21/2004
Analyst TM

Volume (L) 306.6
No. of Grid Openings 87
Filter Area (mm2) 385
Area Analyzed (mm2) 1.26
Analytical Sens. (struc/cc) 0.000996
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	19.8	0.0249	0.0161 - 0.0368	25
Total Asbestos Structures	19.8	0.0249	0.0161 - 0.0368	25
Asbestos Structures > 5um	13.5	0.0169	0.00987 - 0.0271	17
Asbestos Fibers and Bundles > 5um	10.3	0.0129	0.00689 - 0.0221	13
PCM Equivalent Fibers-US	10.3	0.0129	0.00689 - 0.0221	13
PCM Equivalent Structures-US	7.9	0.00996	0.00478 - 0.0183	10
PROTOCOL ASB STRUCS 5-10	0.8	0.000996	0.00 - 0.00472	1
PROTOCOL ASB STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS TOTAL	0.8	0.000996	0.00 - 0.00472	1
PROTOCOL CHRYS STRUCS 5-10	0.8	0.000996	0.00 - 0.00472	1
PROTOCOL CHRYS STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS TOTAL	0.8	0.000996	0.00 - 0.00472	1
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
AHERA-like Total Structures 3:1	19.8	0.0249	0.0161 - 0.0368	25
AHERA-like Asb Strucs >5 and 3:1	13.5	0.0169	0.00987 - 0.0271	17
AHERA-like Asb Strucs 5 - 10 and 3:1	4.8	0.00598	0.00219 - 0.0130	6
AHERA-like Asb Strucs >10 and 3:1	8.7	0.0110	0.00547 - 0.0196	11
Total Other Amphibole Strucs 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S12 A1
Client Sample No. CPS-L2-1CH-100704
Description
Analysis Date 10/21/2004
Analyst KM

Volume (L) 298.92
No. of Grid Openings 90
Filter Area (mm2) 385
Area Analyzed (mm2) 1.30
Analytical Sens. (struc/cc) 0.000988
Dectection Limit. (struc/cc) 0.00295

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	18.4	0.0237	0.0152 - 0.0353	24
Total Asbestos Structures	18.4	0.0237	0.0152 - 0.0353	24
Asbestos Structures > 5um	16.1	0.0207	0.0128 - 0.0317	21
Asbestos Fibers and Bundles > 5um	16.1	0.0207	0.0128 - 0.0317	21
PCM Equivalent Fibers-US	13.0	0.0168	0.00978 - 0.0269	17
PCM Equivalent Structures-US	5.4	0.00691	0.00278 - 0.0142	7
PROTOCOL ASB STRUCS 5-10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL ASB STRUCS >10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00295	0.00 - 0.00295	0
AHERA-like Total Structures 3:1	18.4	0.0237	0.0152 - 0.0353	24
AHERA-like Asb Strucs >5 and 3:1	16.1	0.0207	0.0128 - 0.0317	21
AHERA-like Asb Strucs 5 - 10 and 3:1	7.7	0.00988	0.00474 - 0.0182	10
AHERA-like Asb Strucs >10 and 3:1	8.4	0.0109	0.00542 - 0.0194	11
Total Other Amphibole Strucs 3:1	0.0	<0.00295	0.00 - 0.00295	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00295	0.00 - 0.00295	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00295	0.00 - 0.00295	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00295	0.00 - 0.00295	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S13 A1
Client Sample No. CPS-L2-1NA-100704
Description
Analysis Date 10/23/2004
Analyst KM

Volume (L) 307.2
No. of Grid Openings 87
Filter Area (mm2) 385
Area Analyzed (mm2) 1.26
Analytical Sens. (struc/cc) 0.000994
Dectection Limit. (struc/cc) 0.00297

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	2.4	0.00298	0.00 - 0.00770	3
Total Asbestos Structures	2.4	0.00298	0.00 - 0.00770	3
Asbestos Structures > 5um	1.6	0.00199	0.00 - 0.00626	2
Asbestos Fibers and Bundles > 5um	1.6	0.00199	0.00 - 0.00626	2
PCM Equivalent Fibers-US	1.6	0.00199	0.00 - 0.00626	2
PCM Equivalent Structures-US	0.8	0.000994	0.00 - 0.00471	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Total Structures 3:1	2.4	0.00298	0.00 - 0.00770	3
AHERA-like Asb Strucs >5 and 3:1	1.6	0.00199	0.00 - 0.00626	2
AHERA-like Asb Strucs 5 - 10 and 3:1	0.8	0.000994	0.00 - 0.00471	1
AHERA-like Asb Strucs >10 and 3:1	0.8	0.000994	0.00 - 0.00471	1
Total Other Amphibole Strucs 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S14 A1
Client Sample No. CPS-L2-2CH-100704
Description
Analysis Date 10/23/2004
Analyst JH

Volume (L) 295.44
No. of Grid Openings 90
Filter Area (mm2) 385
Area Analyzed (mm2) 1.30
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	5.4	0.00699	0.00281 - 0.0144	7
Total Asbestos Structures	5.4	0.00699	0.00281 - 0.0144	7
Asbestos Structures > 5um	3.1	0.00400	0.00109 - 0.0102	4
Asbestos Fibers and Bundles > 5um	3.1	0.00400	0.00109 - 0.0102	4
PCM Equivalent Fibers-US	3.1	0.00400	0.00109 - 0.0102	4
PCM Equivalent Structures-US	2.3	0.00300	0.00 - 0.00774	3
PROTOCOL ASB STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Total Structures 3:1	5.4	0.00699	0.00281 - 0.0144	7
AHERA-like Asb Strucs >5 and 3:1	3.1	0.00400	0.00109 - 0.0102	4
AHERA-like Asb Strucs 5 - 10 and 3:1	2.3	0.00300	0.00 - 0.00774	3
AHERA-like Asb Strucs >10 and 3:1	0.8	0.000999	0.00 - 0.00474	1
Total Other Amphibole Strucs 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S15 A1
Client Sample No. CPS-L2-3CH-100704
Description
Analysis Date 10/23/2004
Analyst TM

Volume (L) 301.32
No. of Grid Openings 88
Filter Area (mm2) 385
Area Analyzed (mm2) 1.28
Analytical Sens. (struc/cc) 0.00100
Dectection Limit. (struc/cc) 0.00300

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	18.8	0.0240	0.0154 - 0.0358	24
Total Asbestos Structures	18.8	0.0240	0.0154 - 0.0358	24
Asbestos Structures > 5um	7.1	0.00902	0.00412 - 0.0171	9
Asbestos Fibers and Bundles > 5um	4.7	0.00601	0.00221 - 0.0131	6
PCM Equivalent Fibers-US	4.7	0.00601	0.00221 - 0.0131	6
PCM Equivalent Structures-US	3.9	0.00501	0.00163 - 0.0117	5
PROTOCOL ASB STRUCS 5-10	0.0	<0.00300	0.00 - 0.00300	0
PROTOCOL ASB STRUCS >10	0.0	<0.00300	0.00 - 0.00300	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00300	0.00 - 0.00300	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00300	0.00 - 0.00300	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00300	0.00 - 0.00300	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00300	0.00 - 0.00300	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00300	0.00 - 0.00300	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00300	0.00 - 0.00300	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00300	0.00 - 0.00300	0
AHERA-like Total Structures 3:1	18.8	0.0240	0.0154 - 0.0358	24
AHERA-like Asb Strucs >5 and 3:1	7.1	0.00902	0.00412 - 0.0171	9
AHERA-like Asb Strucs 5 - 10 and 3:1	2.4	0.00301	0.00 - 0.00777	3
AHERA-like Asb Strucs >10 and 3:1	4.7	0.00601	0.00221 - 0.0131	6
Total Other Amphibole Strucs 3:1	0.0	<0.00300	0.00 - 0.00300	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00300	0.00 - 0.00300	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00300	0.00 - 0.00300	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00300	0.00 - 0.00300	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S16 A1
Client Sample No. CPS-L2-4CH-100704
Description
Analysis Date 10/23/2004
Analyst JH

Volume (L) 302.16
No. of Grid Openings 88
Filter Area (mm2) 385
Area Analyzed (mm2) 1.28
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	8.6	0.0110	0.00549 - 0.0197	11
Total Asbestos Structures	8.6	0.0110	0.00549 - 0.0197	11
Asbestos Structures > 5um	4.7	0.00600	0.00220 - 0.0131	6
Asbestos Fibers and Bundles > 5um	4.7	0.00600	0.00220 - 0.0131	6
PCM Equivalent Fibers-US	3.9	0.00500	0.00162 - 0.0117	5
PCM Equivalent Structures-US	3.1	0.00400	0.00109 - 0.0102	4
PROTOCOL ASB STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Total Structures 3:1	8.6	0.0110	0.00549 - 0.0197	11
AHERA-like Asb Strucs >5 and 3:1	4.7	0.00600	0.00220 - 0.0131	6
AHERA-like Asb Strucs 5 - 10 and 3:1	0.8	0.000999	0.00 - 0.00474	1
AHERA-like Asb Strucs >10 and 3:1	3.9	0.00500	0.00162 - 0.0117	5
Total Other Amphibole Strucs 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S17 A1
Client Sample No. CPS-L2-5CH-100704
Description
Analysis Date 10/24/2004
Analyst KM

Volume (L) 304.2
No. of Grid Openings 88
Filter Area (mm2) 385
Area Analyzed (mm2) 1.28
Analytical Sens. (struc/cc) 0.000993
Dectection Limit. (struc/cc) 0.00297

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	11.8	0.0149	0.00833 - 0.0246	15
Total Asbestos Structures	11.8	0.0149	0.00833 - 0.0246	15
Asbestos Structures > 5um	7.8	0.00993	0.00476 - 0.0183	10
Asbestos Fibers and Bundles > 5um	7.1	0.00893	0.00408 - 0.0170	9
PCM Equivalent Fibers-US	6.3	0.00794	0.00343 - 0.0156	8
PCM Equivalent Structures-US	5.5	0.00695	0.00279 - 0.0143	7
PROTOCOL ASB STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Total Structures 3:1	11.8	0.0149	0.00833 - 0.0246	15
AHERA-like Asb Strucs >5 and 3:1	7.8	0.00993	0.00476 - 0.0183	10
AHERA-like Asb Strucs 5 - 10 and 3:1	3.1	0.00397	0.00108 - 0.0102	4
AHERA-like Asb Strucs >10 and 3:1	4.7	0.00596	0.00219 - 0.0130	6
Total Other Amphibole Strucs 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S18 A1
Client Sample No. JOGB-L2-12AD-100704
Description
Analysis Date 10/25/2004
Analyst KM

Volume (L) 295.2
No. of Grid Openings 90
Filter Area (mm2) 385
Area Analyzed (mm2) 1.30
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	25.3	0.0330	0.0227 - 0.0463 (Poisson)	33
Total Asbestos Structures	25.3	0.0330	0.0227 - 0.0463 (Poisson)	33
Asbestos Structures > 5um	20.7	0.0270	0.0178 - 0.0393	27
Asbestos Fibers and Bundles > 5um	15.3	0.0200	0.0122 - 0.0309	20
PCM Equivalent Fibers-US	14.6	0.0190	0.0114 - 0.0297	19
PCM Equivalent Structures-US	8.4	0.0110	0.00549 - 0.0197	11
PROTOCOL ASB STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Total Structures 3:1	25.3	0.0330	0.0227 - 0.0463 (Poisson)	33
AHERA-like Asb Strucs >5 and 3:1	20.7	0.0270	0.0178 - 0.0393	27
AHERA-like Asb Strucs 5 - 10 and 3:1	12.3	0.0160	0.00915 - 0.0260	16
AHERA-like Asb Strucs >10 and 3:1	8.4	0.0110	0.00549 - 0.0197	11
Total Other Amphibole Strucs 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S19 A1
Client Sample No. JOGB-L2-1AD-100704
Description
Analysis Date 10/25/2004
Analyst DW

Volume (L) 301.44
No. of Grid Openings 88
Filter Area (mm2) 385
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	22.0	0.0280	0.0186 - 0.0405	28
Total Asbestos Structures	22.0	0.0280	0.0186 - 0.0405	28
Asbestos Structures > 5um	14.1	0.0180	0.0107 - 0.0285	18
Asbestos Fibers and Bundles > 5um	10.2	0.0130	0.00693 - 0.0223	13
PCM Equivalent Fibers-US	10.2	0.0130	0.00693 - 0.0223	13
PCM Equivalent Structures-US	5.5	0.00701	0.00282 - 0.0144	7
PROTOCOL ASB STRUCS 5-10	1.6	0.00200	0.00 - 0.00631	2
PROTOCOL ASB STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS TOTAL	1.6	0.00200	0.00 - 0.00631	2
PROTOCOL CHRYS STRUCS 5-10	0.8	0.00100	0.00 - 0.00475	1
PROTOCOL CHRYS STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS TOTAL	0.8	0.00100	0.00 - 0.00475	1
PROTOCOL AMPH STRUCS 5-10	0.8	0.00100	0.00 - 0.00475	1
PROTOCOL AMPH STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS TOTAL	0.8	0.00100	0.00 - 0.00475	1
AHERA-like Total Structures 3:1	22.0	0.0280	0.0186 - 0.0405	28
AHERA-like Asb Strucs >5 and 3:1	14.1	0.0180	0.0107 - 0.0285	18
AHERA-like Asb Strucs 5 - 10 and 3:1	7.8	0.0100	0.00480 - 0.0184	10
AHERA-like Asb Strucs >10 and 3:1	6.3	0.00801	0.00346 - 0.0158	8
Total Other Amphibole Strucs 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S20 A1
Client Sample No. JOGB-L2-2AD-100704
Description
Analysis Date 10/25/2004
Analyst KM

Volume (L) 293.4
No. of Grid Openings 91
Filter Area (mm2) 385
Area Analyzed (mm2) 1.32
Analytical Sens. (struc/cc) 0.000995
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	34.9	0.0458	0.0335 - 0.0611 (Poisson)	46
Total Asbestos Structures	34.9	0.0458	0.0335 - 0.0611 (Poisson)	46
Asbestos Structures > 5um	15.9	0.0209	0.0129 - 0.0319	21
Asbestos Fibers and Bundles > 5um	15.2	0.0199	0.0122 - 0.0307	20
PCM Equivalent Fibers-US	15.2	0.0199	0.0122 - 0.0307	20
PCM Equivalent Structures-US	12.1	0.0159	0.00910 - 0.0259	16
PROTOCOL ASB STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS >10	0.8	0.000995	0.00 - 0.00472	1
PROTOCOL ASB STRUCS TOTAL	0.8	0.000995	0.00 - 0.00472	1
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS >10	0.8	0.000995	0.00 - 0.00472	1
PROTOCOL AMPH STRUCS TOTAL	0.8	0.000995	0.00 - 0.00472	1
AHERA-like Total Structures 3:1	34.9	0.0458	0.0335 - 0.0611 (Poisson)	46
AHERA-like Asb Strucs >5 and 3:1	15.9	0.0209	0.0129 - 0.0319	21
AHERA-like Asb Strucs 5 - 10 and 3:1	10.6	0.0139	0.00762 - 0.0234	14
AHERA-like Asb Strucs >10 and 3:1	5.3	0.00697	0.00280 - 0.0144	7
Total Other Amphibole Strucs 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S21 A1
Client Sample No. JOGB-L2-3AD-100704
Description
Analysis Date 10/26/2004
Analyst TM

Volume (L) 293.16
No. of Grid Openings 40
Filter Area (mm2) 385
Area Analyzed (mm2) 0.580
Analytical Sens. (struc/cc) 0.00227
Dectection Limit. (struc/cc) 0.00677

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	91.4	0.120	0.0900 - 0.157 (Poisson)	53
Total Asbestos Structures	91.4	0.120	0.0900 - 0.157 (Poisson)	53
Asbestos Structures > 5um	56.9	0.0748	0.0515 - 0.105 (Poisson)	33
Asbestos Fibers and Bundles > 5um	51.8	0.0680	0.0459 - 0.0970	30
PCM Equivalent Fibers-US	44.9	0.0589	0.0385 - 0.0863	26
PCM Equivalent Structures-US	32.8	0.0431	0.0259 - 0.0672	19
PROTOCOL ASB STRUCS 5-10	1.7	0.00227	0.00 - 0.0107	1
PROTOCOL ASB STRUCS >10	0.0	<0.00677	0.00 - 0.00677	0
PROTOCOL ASB STRUCS TOTAL	1.7	0.00227	0.00 - 0.0107	1
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00677	0.00 - 0.00677	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00677	0.00 - 0.00677	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00677	0.00 - 0.00677	0
PROTOCOL AMPH STRUCS 5-10	1.7	0.00227	0.00 - 0.0107	1
PROTOCOL AMPH STRUCS >10	0.0	<0.00677	0.00 - 0.00677	0
PROTOCOL AMPH STRUCS TOTAL	1.7	0.00227	0.00 - 0.0107	1
AHERA-like Total Structures 3:1	91.4	0.120	0.0900 - 0.157 (Poisson)	53
AHERA-like Asb Strucs >5 and 3:1	56.9	0.0748	0.0515 - 0.105 (Poisson)	33
AHERA-like Asb Strucs 5 - 10 and 3:1	31.1	0.0408	0.0242 - 0.0645	18
AHERA-like Asb Strucs >10 and 3:1	25.9	0.0340	0.0190 - 0.0561	15
Total Other Amphibole Strucs 3:1	0.0	<0.00677	0.00 - 0.00677	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00677	0.00 - 0.00677	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00677	0.00 - 0.00677	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00677	0.00 - 0.00677	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S22 A1
Client Sample No. JOGB-L2-4AD-100704
Description
Analysis Date 10/26/2004
Analyst KM

Volume (L) 298.2
No. of Grid Openings 90
Filter Area (mm2) 385
Area Analyzed (mm2) 1.30
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	12.3	0.0158	0.00905 - 0.0257	16
Total Asbestos Structures	12.3	0.0158	0.00905 - 0.0257	16
Asbestos Structures > 5um	8.4	0.0109	0.00544 - 0.0195	11
Asbestos Fibers and Bundles > 5um	8.4	0.0109	0.00544 - 0.0195	11
PCM Equivalent Fibers-US	6.1	0.00792	0.00342 - 0.0156	8
PCM Equivalent Structures-US	6.1	0.00792	0.00342 - 0.0156	8
PROTOCOL ASB STRUCS 5-10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL ASB STRUCS >10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00296	0.00 - 0.00296	0
AHERA-like Total Structures 3:1	12.3	0.0158	0.00905 - 0.0257	16
AHERA-like Asb Strucs >5 and 3:1	8.4	0.0109	0.00544 - 0.0195	11
AHERA-like Asb Strucs 5 - 10 and 3:1	4.6	0.00594	0.00218 - 0.0129	6
AHERA-like Asb Strucs >10 and 3:1	3.8	0.00495	0.00161 - 0.0116	5
Total Other Amphibole Strucs 3:1	0.0	<0.00296	0.00 - 0.00296	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00296	0.00 - 0.00296	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00296	0.00 - 0.00296	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00296	0.00 - 0.00296	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S23 A1
Client Sample No. JOGB-L2-5AD-100704
Description
Analysis Date 10/26/2004
Analyst KM

Volume (L) 299.4
No. of Grid Openings 89
Filter Area (mm2) 385
Area Analyzed (mm2) 1.29
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	14.0	0.0179	0.0106 - 0.0284	18
Total Asbestos Structures	14.0	0.0179	0.0106 - 0.0284	18
Asbestos Structures > 5um	7.0	0.00897	0.00410 - 0.0170	9
Asbestos Fibers and Bundles > 5um	6.2	0.00798	0.00344 - 0.0157	8
PCM Equivalent Fibers-US	5.4	0.00698	0.00281 - 0.0144	7
PCM Equivalent Structures-US	4.7	0.00598	0.00220 - 0.0130	6
PROTOCOL ASB STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
AHERA-like Total Structures 3:1	14.0	0.0179	0.0106 - 0.0284	18
AHERA-like Asb Strucs >5 and 3:1	7.0	0.00897	0.00410 - 0.0170	9
AHERA-like Asb Strucs 5 - 10 and 3:1	4.7	0.00598	0.00220 - 0.0130	6
AHERA-like Asb Strucs >10 and 3:1	2.3	0.00299	0.00 - 0.00773	3
Total Other Amphibole Strucs 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S25 A1
Client Sample No. NYB-H2-1ZP-100704
Description
Analysis Date 10/28/2004
Analyst KM

Volume (L) 1199.87
No. of Grid Openings 13
Filter Area (mm2) 385
Area Analyzed (mm2) 0.188
Analytical Sens. (struc/cc) 0.00170
Dectection Limit. (struc/cc) 0.00509

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	552.1	0.177	0.139 - 0.207 (Poisson)	104
Total Asbestos Structures	573.3	0.184	0.139 - 0.207 (Poisson)	108
Asbestos Structures > 5um	148.6	0.0477	0.0317 - 0.0689	28
Asbestos Fibers and Bundles > 5um	143.3	0.0460	0.0303 - 0.0669	27
PCM Equivalent Fibers-US	106.2	0.0341	0.0208 - 0.0526	20
PCM Equivalent Structures-US	116.8	0.0375	0.0235 - 0.0567	22
PROTOCOL ASB STRUCS 5-10	47.8	0.0153	0.00701 - 0.0291	9
PROTOCOL ASB STRUCS >10	5.3	0.00170	0.00 - 0.00807	1
PROTOCOL ASB STRUCS TOTAL	53.1	0.0170	0.00817 - 0.0313	10
PROTOCOL CHRYS STRUCS 5-10	26.5	0.00852	0.00277 - 0.0199	5
PROTOCOL CHRYS STRUCS >10	5.3	0.00170	0.00 - 0.00807	1
PROTOCOL CHRYS STRUCS TOTAL	31.9	0.0102	0.00375 - 0.0222	6
PROTOCOL AMPH STRUCS 5-10	21.2	0.00681	0.00186 - 0.0174	4
PROTOCOL AMPH STRUCS >10	0.0	<0.00509	0.00 - 0.00509	0
PROTOCOL AMPH STRUCS TOTAL	21.2	0.00681	0.00186 - 0.0174	4
AHERA-like Total Structures 3:1	541.5	0.174	0.139 - 0.207 (Poisson)	102
AHERA-like Asb Strucs >5 and 3:1	143.3	0.0460	0.0303 - 0.0669	27
AHERA-like Asb Strucs 5 - 10 and 3:1	111.5	0.0358	0.0221 - 0.0547	21
AHERA-like Asb Strucs >10 and 3:1	31.9	0.0102	0.00375 - 0.0222	6
Total Other Amphibole Strucs 3:1	0.0	<0.00509	0.00 - 0.00509	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00509	0.00 - 0.00509	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00509	0.00 - 0.00509	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00509	0.00 - 0.00509	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S27 A1
Client Sample No. NYB-H2-4FD-100704
Description
Analysis Date 10/28/2004
Analyst KM

Volume (L) 1164.6
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000992
Dectection Limit. (struc/cc) 0.00297

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	0.0	<0.00297	0.00 - 0.00297	0
Total Asbestos Structures	0.0	<0.00297	0.00 - 0.00297	0
Asbestos Structures > 5um	0.0	<0.00297	0.00 - 0.00297	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00297	0.00 - 0.00297	0
PCM Equivalent Fibers-US	0.0	<0.00297	0.00 - 0.00297	0
PCM Equivalent Structures-US	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Total Structures 3:1	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Total Other Amphibole Strucs 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S30 A1
Client Sample No. NYB-L2-1NA-100704
Description
Analysis Date 10/28/2004
Analyst JH

Volume (L) 296.76
No. of Grid Openings 90
Filter Area (mm2) 385
Area Analyzed (mm2) 1.30
Analytical Sens. (struc/cc) 0.000995
Dectection Limit. (struc/cc) 0.00297

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	4.6	0.00597	0.00219 - 0.0130	6
Total Asbestos Structures	4.6	0.00597	0.00219 - 0.0130	6
Asbestos Structures > 5um	3.1	0.00398	0.00108 - 0.0102	4
Asbestos Fibers and Bundles > 5um	3.1	0.00398	0.00108 - 0.0102	4
PCM Equivalent Fibers-US	2.3	0.00298	0.00 - 0.00771	3
PCM Equivalent Structures-US	0.8	0.000995	0.00 - 0.00472	1
PROTOCOL ASB STRUCS 5-10	0.8	0.000995	0.00 - 0.00472	1
PROTOCOL ASB STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS TOTAL	0.8	0.000995	0.00 - 0.00472	1
PROTOCOL CHRYS STRUCS 5-10	0.8	0.000995	0.00 - 0.00472	1
PROTOCOL CHRYS STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS TOTAL	0.8	0.000995	0.00 - 0.00472	1
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Total Structures 3:1	4.6	0.00597	0.00219 - 0.0130	6
AHERA-like Asb Strucs >5 and 3:1	3.1	0.00398	0.00108 - 0.0102	4
AHERA-like Asb Strucs 5 - 10 and 3:1	2.3	0.00298	0.00 - 0.00771	3
AHERA-like Asb Strucs >10 and 3:1	0.8	0.000995	0.00 - 0.00472	1
Total Other Amphibole Strucs 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S31 A1
Client Sample No. NYB-L2-1ZB-100704
Description
Analysis Date 10/28/2004
Analyst JH

Volume (L) 302.05
No. of Grid Openings 88
Filter Area (mm2) 385
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	0.0	<0.00299	0.00 - 0.00299	0
Total Asbestos Structures	0.0	<0.00299	0.00 - 0.00299	0
Asbestos Structures > 5um	0.0	<0.00299	0.00 - 0.00299	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00299	0.00 - 0.00299	0
PCM Equivalent Fibers-US	0.0	<0.00299	0.00 - 0.00299	0
PCM Equivalent Structures-US	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Total Structures 3:1	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Total Other Amphibole Strucs 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S32 A1
Client Sample No. NYB-L2-2CH-100704
Description
Analysis Date 10/28/2004
Analyst DW

Volume (L) 295.68
No. of Grid Openings 89
Filter Area (mm2) 385
Area Analyzed (mm2) 1.29
Analytical Sens. (struc/cc) 0.00101
Dectection Limit. (struc/cc) 0.00302

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	25.6	0.0333	0.0229 - 0.0468 (Poisson)	33
Total Asbestos Structures	27.1	0.0353	0.0246 - 0.0491 (Poisson)	35
Asbestos Structures > 5um	7.8	0.0101	0.00484 - 0.0186	10
Asbestos Fibers and Bundles > 5um	4.7	0.00606	0.00222 - 0.0132	6
PCM Equivalent Fibers-US	4.7	0.00606	0.00222 - 0.0132	6
PCM Equivalent Structures-US	3.1	0.00404	0.00110 - 0.0103	4
PROTOCOL ASB STRUCS 5-10	0.0	<0.00302	0.00 - 0.00302	0
PROTOCOL ASB STRUCS >10	0.0	<0.00302	0.00 - 0.00302	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00302	0.00 - 0.00302	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00302	0.00 - 0.00302	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00302	0.00 - 0.00302	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00302	0.00 - 0.00302	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00302	0.00 - 0.00302	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00302	0.00 - 0.00302	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00302	0.00 - 0.00302	0
AHERA-like Total Structures 3:1	24.8	0.0323	0.0221 - 0.0456 (Poisson)	32
AHERA-like Asb Strucs >5 and 3:1	7.8	0.0101	0.00484 - 0.0186	10
AHERA-like Asb Strucs 5 - 10 and 3:1	4.7	0.00606	0.00222 - 0.0132	6
AHERA-like Asb Strucs >10 and 3:1	3.1	0.00404	0.00110 - 0.0103	4
Total Other Amphibole Strucs 3:1	0.8	0.00101	0.00 - 0.00479	1
Other Amphibole Strucs >5 and 3:1	0.8	0.00101	0.00 - 0.00479	1
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00302	0.00 - 0.00302	0
Other Amphibole Strucs >10 and 3:1	0.8	0.00101	0.00 - 0.00479	1

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S38 A1
Client Sample No. CC9-L6-1CC-101004
Description
Analysis Date 10/28/2004
Analyst JH

Volume (L) 923.4
No. of Grid Openings 29
Filter Area (mm2) 385
Area Analyzed (mm2) 0.420
Analytical Sens. (struc/cc) 0.000992
Dectection Limit. (struc/cc) 0.00297

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	2.4	0.000992	0.00 - 0.00470	1
Total Asbestos Structures	2.4	0.000992	0.00 - 0.00470	1
Asbestos Structures > 5um	0.0	<0.00297	0.00 - 0.00297	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00297	0.00 - 0.00297	0
PCM Equivalent Fibers-US	0.0	<0.00297	0.00 - 0.00297	0
PCM Equivalent Structures-US	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Total Structures 3:1	2.4	0.000992	0.00 - 0.00470	1
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Total Other Amphibole Strucs 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S41 A1
Client Sample No. JEB-H1-6FD-101004
Description
Analysis Date 10/29/2004
Analyst TM

Volume (L) 1216.8
No. of Grid Openings 22
Filter Area (mm2) 385
Area Analyzed (mm2) 0.319
Analytical Sens. (struc/cc) 0.000993
Dectection Limit. (struc/cc) 0.00297

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	31.4	0.00993	0.00476 - 0.0183	10
Total Asbestos Structures	31.4	0.00993	0.00476 - 0.0183	10
Asbestos Structures > 5um	28.2	0.00893	0.00408 - 0.0170	9
Asbestos Fibers and Bundles > 5um	25.1	0.00794	0.00343 - 0.0156	8
PCM Equivalent Fibers-US	22.0	0.00695	0.00279 - 0.0143	7
PCM Equivalent Structures-US	18.8	0.00596	0.00219 - 0.0130	6
PROTOCOL ASB STRUCS 5-10	3.1	0.000993	0.00 - 0.00470	1
PROTOCOL ASB STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS TOTAL	3.1	0.000993	0.00 - 0.00470	1
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS 5-10	3.1	0.000993	0.00 - 0.00470	1
PROTOCOL AMPH STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS TOTAL	3.1	0.000993	0.00 - 0.00470	1
AHERA-like Total Structures 3:1	31.4	0.00993	0.00476 - 0.0183	10
AHERA-like Asb Strucs >5 and 3:1	28.2	0.00893	0.00408 - 0.0170	9
AHERA-like Asb Strucs 5 - 10 and 3:1	12.5	0.00397	0.00108 - 0.0102	4
AHERA-like Asb Strucs >10 and 3:1	15.7	0.00496	0.00161 - 0.0116	5
Total Other Amphibole Strucs 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S42 A1
Client Sample No. JEB-H1-7FD-101004
Description
Analysis Date 10/30/2004
Analyst KM

Volume (L) 609
No. of Grid Openings 45
Filter Area (mm2) 385
Area Analyzed (mm2) 0.652
Analytical Sens. (struc/cc) 0.000970
Dectection Limit. (struc/cc) 0.00290

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	4.6	0.00291	0.00 - 0.00751	3
Total Asbestos Structures	4.6	0.00291	0.00 - 0.00751	3
Asbestos Structures > 5um	1.5	0.000970	0.00 - 0.00460	1
Asbestos Fibers and Bundles > 5um	1.5	0.000970	0.00 - 0.00460	1
PCM Equivalent Fibers-US	1.5	0.000970	0.00 - 0.00460	1
PCM Equivalent Structures-US	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL ASB STRUCS >10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00290	0.00 - 0.00290	0
AHERA-like Total Structures 3:1	4.6	0.00291	0.00 - 0.00751	3
AHERA-like Asb Strucs >5 and 3:1	1.5	0.000970	0.00 - 0.00460	1
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00290	0.00 - 0.00290	0
AHERA-like Asb Strucs >10 and 3:1	1.5	0.000970	0.00 - 0.00460	1
Total Other Amphibole Strucs 3:1	0.0	<0.00290	0.00 - 0.00290	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00290	0.00 - 0.00290	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00290	0.00 - 0.00290	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00290	0.00 - 0.00290	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S43 A1
Client Sample No. JEB-L2-1CH-101004
Description
Analysis Date 10/30/2004
Analyst KM

Volume (L) 313.2
No. of Grid Openings 85
Filter Area (mm2) 385
Area Analyzed (mm2) 1.23
Analytical Sens. (struc/cc) 0.000998
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	4.9	0.00599	0.00220 - 0.0130	6
Total Asbestos Structures	4.9	0.00599	0.00220 - 0.0130	6
Asbestos Structures > 5um	3.2	0.00399	0.00109 - 0.0102	4
Asbestos Fibers and Bundles > 5um	3.2	0.00399	0.00109 - 0.0102	4
PCM Equivalent Fibers-US	3.2	0.00399	0.00109 - 0.0102	4
PCM Equivalent Structures-US	3.2	0.00399	0.00109 - 0.0102	4
PROTOCOL ASB STRUCS 5-10	0.8	0.000998	0.00 - 0.00473	1
PROTOCOL ASB STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS TOTAL	0.8	0.000998	0.00 - 0.00473	1
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS 5-10	0.8	0.000998	0.00 - 0.00473	1
PROTOCOL AMPH STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS TOTAL	0.8	0.000998	0.00 - 0.00473	1
AHERA-like Total Structures 3:1	4.9	0.00599	0.00220 - 0.0130	6
AHERA-like Asb Strucs >5 and 3:1	3.2	0.00399	0.00109 - 0.0102	4
AHERA-like Asb Strucs 5 - 10 and 3:1	2.4	0.00299	0.00 - 0.00773	3
AHERA-like Asb Strucs >10 and 3:1	0.8	0.000998	0.00 - 0.00473	1
Total Other Amphibole Strucs 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S44 A1
Client Sample No. JEB-L2-1NA-101004
Description
Analysis Date 10/30/2004
Analyst JH

Volume (L) 316.56
No. of Grid Openings 84
Filter Area (mm2) 385
Area Analyzed (mm2) 1.22
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	0.0	<0.00299	0.00 - 0.00299	0
Total Asbestos Structures	0.0	<0.00299	0.00 - 0.00299	0
Asbestos Structures > 5um	0.0	<0.00299	0.00 - 0.00299	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00299	0.00 - 0.00299	0
PCM Equivalent Fibers-US	0.0	<0.00299	0.00 - 0.00299	0
PCM Equivalent Structures-US	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Total Structures 3:1	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Total Other Amphibole Strucs 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S45 A1
Client Sample No. JEB-L2-2CH-101004
Description
Analysis Date 10/30/2004
Analyst TM

Volume (L) 307.92
No. of Grid Openings 87
Filter Area (mm2) 385
Area Analyzed (mm2) 1.26
Analytical Sens. (struc/cc) 0.000992
Dectection Limit. (struc/cc) 0.00297

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	6.3	0.00793	0.00343 - 0.0156	8
Total Asbestos Structures	6.3	0.00793	0.00343 - 0.0156	8
Asbestos Structures > 5um	1.6	0.00198	0.00 - 0.00625	2
Asbestos Fibers and Bundles > 5um	1.6	0.00198	0.00 - 0.00625	2
PCM Equivalent Fibers-US	1.6	0.00198	0.00 - 0.00625	2
PCM Equivalent Structures-US	0.8	0.000992	0.00 - 0.00470	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Total Structures 3:1	6.3	0.00793	0.00343 - 0.0156	8
AHERA-like Asb Strucs >5 and 3:1	1.6	0.00198	0.00 - 0.00625	2
AHERA-like Asb Strucs 5 - 10 and 3:1	0.8	0.000992	0.00 - 0.00470	1
AHERA-like Asb Strucs >10 and 3:1	0.8	0.000992	0.00 - 0.00470	1
Total Other Amphibole Strucs 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S46 A1
Client Sample No. JEB-L2-3CH-101004
Description
Analysis Date 10/31/2004
Analyst KM

Volume (L) 307.44
No. of Grid Openings 87
Filter Area (mm2) 385
Area Analyzed (mm2) 1.26
Analytical Sens. (struc/cc) 0.000993
Dectection Limit. (struc/cc) 0.00297

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	5.6	0.00695	0.00280 - 0.0143	7
Total Asbestos Structures	5.6	0.00695	0.00280 - 0.0143	7
Asbestos Structures > 5um	2.4	0.00298	0.00 - 0.00770	3
Asbestos Fibers and Bundles > 5um	0.0	<0.00297	0.00 - 0.00297	0
PCM Equivalent Fibers-US	0.8	0.000993	0.00 - 0.00471	1
PCM Equivalent Structures-US	0.8	0.000993	0.00 - 0.00471	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Total Structures 3:1	5.6	0.00695	0.00280 - 0.0143	7
AHERA-like Asb Strucs >5 and 3:1	2.4	0.00298	0.00 - 0.00770	3
AHERA-like Asb Strucs 5 - 10 and 3:1	2.4	0.00298	0.00 - 0.00770	3
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Total Other Amphibole Strucs 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S47 A1
Client Sample No. JEB-L2-4CH-101004
Description
Analysis Date 10/31/2004
Analyst TM

Volume (L) 309.72
No. of Grid Openings 86
Filter Area (mm2) 385
Area Analyzed (mm2) 1.25
Analytical Sens. (struc/cc) 0.000998
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	5.6	0.00698	0.00281 - 0.0144	7
Total Asbestos Structures	5.6	0.00698	0.00281 - 0.0144	7
Asbestos Structures > 5um	2.4	0.00299	0.00 - 0.00773	3
Asbestos Fibers and Bundles > 5um	0.0	<0.00298	0.00 - 0.00298	0
PCM Equivalent Fibers-US	0.0	<0.00298	0.00 - 0.00298	0
PCM Equivalent Structures-US	0.8	0.000998	0.00 - 0.00473	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
AHERA-like Total Structures 3:1	5.6	0.00698	0.00281 - 0.0144	7
AHERA-like Asb Strucs >5 and 3:1	2.4	0.00299	0.00 - 0.00773	3
AHERA-like Asb Strucs 5 - 10 and 3:1	2.4	0.00299	0.00 - 0.00773	3
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Total Other Amphibole Strucs 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S48 A1
Client Sample No. JEB-L2-5CH-101004
Description
Analysis Date 10/31/2004
Analyst KM

Volume (L) 318.84
No. of Grid Openings 87
Filter Area (mm2) 385
Area Analyzed (mm2) 1.26
Analytical Sens. (struc/cc) 0.000958
Dectection Limit. (struc/cc) 0.00286

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	7.9	0.00958	0.00459 - 0.0176	10
Total Asbestos Structures	7.9	0.00958	0.00459 - 0.0176	10
Asbestos Structures > 5um	5.6	0.00670	0.00270 - 0.0138	7
Asbestos Fibers and Bundles > 5um	4.8	0.00575	0.00211 - 0.0125	6
PCM Equivalent Fibers-US	4.0	0.00479	0.00156 - 0.0112	5
PCM Equivalent Structures-US	4.8	0.00575	0.00211 - 0.0125	6
PROTOCOL ASB STRUCS 5-10	0.0	<0.00286	0.00 - 0.00286	0
PROTOCOL ASB STRUCS >10	0.0	<0.00286	0.00 - 0.00286	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00286	0.00 - 0.00286	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00286	0.00 - 0.00286	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00286	0.00 - 0.00286	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00286	0.00 - 0.00286	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00286	0.00 - 0.00286	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00286	0.00 - 0.00286	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00286	0.00 - 0.00286	0
AHERA-like Total Structures 3:1	7.9	0.00958	0.00459 - 0.0176	10
AHERA-like Asb Strucs >5 and 3:1	5.6	0.00670	0.00270 - 0.0138	7
AHERA-like Asb Strucs 5 - 10 and 3:1	4.8	0.00575	0.00211 - 0.0125	6
AHERA-like Asb Strucs >10 and 3:1	0.8	0.000958	0.00 - 0.00454	1
Total Other Amphibole Strucs 3:1	0.0	<0.00286	0.00 - 0.00286	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00286	0.00 - 0.00286	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00286	0.00 - 0.00286	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00286	0.00 - 0.00286	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S52 A1
Client Sample No. JEG-L2-1ZB-101004
Description
Analysis Date 11/1/2004
Analyst KM

Volume (L) 299.29
No. of Grid Openings 89
Filter Area (mm2) 385
Area Analyzed (mm2) 1.29
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	0.0	<0.00298	0.00 - 0.00298	0
Total Asbestos Structures	0.0	<0.00298	0.00 - 0.00298	0
Asbestos Structures > 5um	0.0	<0.00298	0.00 - 0.00298	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00298	0.00 - 0.00298	0
PCM Equivalent Fibers-US	0.0	<0.00298	0.00 - 0.00298	0
PCM Equivalent Structures-US	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
AHERA-like Total Structures 3:1	0.0	<0.00298	0.00 - 0.00298	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Total Other Amphibole Strucs 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S57 A1
Client Sample No. JEG-L2-FB-101004
Description
Analysis Date 10/31/2004
Analyst DW

Volume (L) 299.9
No. of Grid Openings 89
Filter Area (mm2) 385
Area Analyzed (mm2) 1.29
Analytical Sens. (struc/cc) 0.000995
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	0.0	<0.00298	0.00 - 0.00298	0
Total Asbestos Structures	0.0	<0.00298	0.00 - 0.00298	0
Asbestos Structures > 5um	0.0	<0.00298	0.00 - 0.00298	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00298	0.00 - 0.00298	0
PCM Equivalent Fibers-US	0.0	<0.00298	0.00 - 0.00298	0
PCM Equivalent Structures-US	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
AHERA-like Total Structures 3:1	0.0	<0.00298	0.00 - 0.00298	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Total Other Amphibole Strucs 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S58 A1
Client Sample No. JEP-L2-1CH-101004
Description
Analysis Date 11/1/2004
Analyst KM

Volume (L) 290.16
No. of Grid Openings 92
Filter Area (mm2) 385
Area Analyzed (mm2) 1.33
Analytical Sens. (struc/cc) 0.000995
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	6.0	0.00796	0.00344 - 0.0157	8
Total Asbestos Structures	6.0	0.00796	0.00344 - 0.0157	8
Asbestos Structures > 5um	3.8	0.00498	0.00162 - 0.0116	5
Asbestos Fibers and Bundles > 5um	3.0	0.00398	0.00108 - 0.0102	4
PCM Equivalent Fibers-US	2.3	0.00299	0.00 - 0.00771	3
PCM Equivalent Structures-US	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS 5-10	0.8	0.000995	0.00 - 0.00472	1
PROTOCOL ASB STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS TOTAL	0.8	0.000995	0.00 - 0.00472	1
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS 5-10	0.8	0.000995	0.00 - 0.00472	1
PROTOCOL AMPH STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS TOTAL	0.8	0.000995	0.00 - 0.00472	1
AHERA-like Total Structures 3:1	6.0	0.00796	0.00344 - 0.0157	8
AHERA-like Asb Strucs >5 and 3:1	3.8	0.00498	0.00162 - 0.0116	5
AHERA-like Asb Strucs 5 - 10 and 3:1	0.8	0.000995	0.00 - 0.00472	1
AHERA-like Asb Strucs >10 and 3:1	3.0	0.00398	0.00108 - 0.0102	4
Total Other Amphibole Strucs 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S59 A1
Client Sample No. JEP-L2-1NA-101004
Description
Analysis Date 11/1/2004
Analyst JH

Volume (L) 307.44
No. of Grid Openings 87
Filter Area (mm2) 385
Area Analyzed (mm2) 1.26
Analytical Sens. (struc/cc) 0.000993
Dectection Limit. (struc/cc) 0.00297

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	0.8	0.000993	0.00 - 0.00471	1
Total Asbestos Structures	0.8	0.000993	0.00 - 0.00471	1
Asbestos Structures > 5um	0.0	<0.00297	0.00 - 0.00297	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00297	0.00 - 0.00297	0
PCM Equivalent Fibers-US	0.0	<0.00297	0.00 - 0.00297	0
PCM Equivalent Structures-US	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Total Structures 3:1	0.8	0.000993	0.00 - 0.00471	1
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Total Other Amphibole Strucs 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S60 A1
Client Sample No. JEP-L2-1ZB-101004
Description
Analysis Date 11/1/2004
Analyst DW

Volume (L) 301.87
No. of Grid Openings 89
Filter Area (mm2) 385
Area Analyzed (mm2) 1.29
Analytical Sens. (struc/cc) 0.000989
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	0.0	<0.00296	0.00 - 0.00296	0
Total Asbestos Structures	0.0	<0.00296	0.00 - 0.00296	0
Asbestos Structures > 5um	0.0	<0.00296	0.00 - 0.00296	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00296	0.00 - 0.00296	0
PCM Equivalent Fibers-US	0.0	<0.00296	0.00 - 0.00296	0
PCM Equivalent Structures-US	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL ASB STRUCS >10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00296	0.00 - 0.00296	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00296	0.00 - 0.00296	0
AHERA-like Total Structures 3:1	0.0	<0.00296	0.00 - 0.00296	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00296	0.00 - 0.00296	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00296	0.00 - 0.00296	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00296	0.00 - 0.00296	0
Total Other Amphibole Strucs 3:1	0.0	<0.00296	0.00 - 0.00296	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00296	0.00 - 0.00296	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00296	0.00 - 0.00296	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00296	0.00 - 0.00296	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S61 A1
Client Sample No. JEP-L2-2CH-101004
Description
Analysis Date 11/1/2004
Analyst DW

Volume (L) 308.04
No. of Grid Openings 88
Filter Area (mm2) 385
Area Analyzed (mm2) 1.28
Analytical Sens. (struc/cc) 0.000980
Dectection Limit. (struc/cc) 0.00293

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	4.7	0.00588	0.00216 - 0.0128	6
Total Asbestos Structures	4.7	0.00588	0.00216 - 0.0128	6
Asbestos Structures > 5um	0.8	0.000980	0.00 - 0.00465	1
Asbestos Fibers and Bundles > 5um	0.8	0.000980	0.00 - 0.00465	1
PCM Equivalent Fibers-US	0.8	0.000980	0.00 - 0.00465	1
PCM Equivalent Structures-US	0.8	0.000980	0.00 - 0.00465	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL ASB STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00293	0.00 - 0.00293	0
AHERA-like Total Structures 3:1	4.7	0.00588	0.00216 - 0.0128	6
AHERA-like Asb Strucs >5 and 3:1	0.8	0.000980	0.00 - 0.00465	1
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00293	0.00 - 0.00293	0
AHERA-like Asb Strucs >10 and 3:1	0.8	0.000980	0.00 - 0.00465	1
Total Other Amphibole Strucs 3:1	0.0	<0.00293	0.00 - 0.00293	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00293	0.00 - 0.00293	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00293	0.00 - 0.00293	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00293	0.00 - 0.00293	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S62 A1
Client Sample No. JEP-L2-3CH-101004
Description
Analysis Date 11/1/2004
Analyst KM

Volume (L) 309.6
No. of Grid Openings 86
Filter Area (mm2) 385
Area Analyzed (mm2) 1.25
Analytical Sens. (struc/cc) 0.000998
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	8.0	0.00998	0.00478 - 0.0184	10
Total Asbestos Structures	8.0	0.00998	0.00478 - 0.0184	10
Asbestos Structures > 5um	4.0	0.00499	0.00162 - 0.0116	5
Asbestos Fibers and Bundles > 5um	3.2	0.00399	0.00109 - 0.0102	4
PCM Equivalent Fibers-US	2.4	0.00299	0.00 - 0.00773	3
PCM Equivalent Structures-US	2.4	0.00299	0.00 - 0.00773	3
PROTOCOL ASB STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00298	0.00 - 0.00298	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00298	0.00 - 0.00298	0
AHERA-like Total Structures 3:1	8.0	0.00998	0.00478 - 0.0184	10
AHERA-like Asb Strucs >5 and 3:1	4.0	0.00499	0.00162 - 0.0116	5
AHERA-like Asb Strucs 5 - 10 and 3:1	1.6	0.00200	0.00 - 0.00629	2
AHERA-like Asb Strucs >10 and 3:1	2.4	0.00299	0.00 - 0.00773	3
Total Other Amphibole Strucs 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00298	0.00 - 0.00298	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S63 A1
Client Sample No. JEP-L2-4CH-101004
Description
Analysis Date 11/1/2004
Analyst DW

Volume (L) 298.92
No. of Grid Openings 89
Filter Area (mm2) 385
Area Analyzed (mm2) 1.29
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	3.1	0.00399	0.00109 - 0.0102	4
Total Asbestos Structures	3.1	0.00399	0.00109 - 0.0102	4
Asbestos Structures > 5um	2.3	0.00300	0.00 - 0.00774	3
Asbestos Fibers and Bundles > 5um	1.6	0.00200	0.00 - 0.00629	2
PCM Equivalent Fibers-US	1.6	0.00200	0.00 - 0.00629	2
PCM Equivalent Structures-US	1.6	0.00200	0.00 - 0.00629	2
PROTOCOL ASB STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Total Structures 3:1	3.1	0.00399	0.00109 - 0.0102	4
AHERA-like Asb Strucs >5 and 3:1	2.3	0.00300	0.00 - 0.00774	3
AHERA-like Asb Strucs 5 - 10 and 3:1	1.6	0.00200	0.00 - 0.00629	2
AHERA-like Asb Strucs >10 and 3:1	0.8	0.000999	0.00 - 0.00473	1
Total Other Amphibole Strucs 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S64 A1
Client Sample No. JEP-L2-5CH-101004
Description
Analysis Date 11/2/2004
Analyst KM

Volume (L) 305.88
No. of Grid Openings 87
Filter Area (mm2) 385
Area Analyzed (mm2) 1.26
Analytical Sens. (struc/cc) 0.000998
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	4.0	0.00499	0.00162 - 0.0117	5
Total Asbestos Structures	4.0	0.00499	0.00162 - 0.0117	5
Asbestos Structures > 5um	0.8	0.000998	0.00 - 0.00473	1
Asbestos Fibers and Bundles > 5um	0.8	0.000998	0.00 - 0.00473	1
PCM Equivalent Fibers-US	0.8	0.000998	0.00 - 0.00473	1
PCM Equivalent Structures-US	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Total Structures 3:1	4.0	0.00499	0.00162 - 0.0117	5
AHERA-like Asb Strucs >5 and 3:1	0.8	0.000998	0.00 - 0.00473	1
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Asb Strucs >10 and 3:1	0.8	0.000998	0.00 - 0.00473	1
Total Other Amphibole Strucs 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S65 A1
Client Sample No. TRA-L2-1ZP-100904
Description
Analysis Date 11/2/2004
Analyst DW

Volume (L) 300.76
No. of Grid Openings 7
Filter Area (mm2) 385
Area Analyzed (mm2) 0.101
Analytical Sens. (struc/cc) 0.0126
Dectection Limit. (struc/cc) 0.0377

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	995.8	1.27	1.03 - 1.54 (Poisson)	101
Total Asbestos Structures	995.8	1.27	1.03 - 1.54 (Poisson)	101
Asbestos Structures > 5um	216.9	0.278	0.174 - 0.420	22
Asbestos Fibers and Bundles > 5um	197.2	0.252	0.154 - 0.390	20
PCM Equivalent Fibers-US	187.3	0.240	0.144 - 0.374	19
PCM Equivalent Structures-US	197.2	0.252	0.154 - 0.390	20
PROTOCOL ASB STRUCS 5-10	59.2	0.0757	0.0278 - 0.165	6
PROTOCOL ASB STRUCS >10	9.9	0.0126	0.00 - 0.0598	1
PROTOCOL ASB STRUCS TOTAL	69.0	0.0883	0.0355 - 0.182	7
PROTOCOL CHRYS STRUCS 5-10	19.7	0.0252	0.00 - 0.0795	2
PROTOCOL CHRYS STRUCS >10	9.9	0.0126	0.00 - 0.0598	1
PROTOCOL CHRYS STRUCS TOTAL	29.6	0.0379	0.00 - 0.0978	3
PROTOCOL AMPH STRUCS 5-10	39.4	0.0505	0.0138 - 0.129	4
PROTOCOL AMPH STRUCS >10	0.0	<0.0377	0.00 - 0.0377	0
PROTOCOL AMPH STRUCS TOTAL	39.4	0.0505	0.0138 - 0.129	4
AHERA-like Total Structures 3:1	946.5	1.21	0.981 - 1.49 (Poisson)	96
AHERA-like Asb Strucs >5 and 3:1	197.2	0.252	0.154 - 0.390	20
AHERA-like Asb Strucs 5 - 10 and 3:1	138.0	0.177	0.0966 - 0.296	14
AHERA-like Asb Strucs >10 and 3:1	59.2	0.0757	0.0278 - 0.165	6
Total Other Amphibole Strucs 3:1	0.0	<0.0377	0.00 - 0.0377	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.0377	0.00 - 0.0377	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.0377	0.00 - 0.0377	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.0377	0.00 - 0.0377	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S66 A1
Client Sample No. CPS-H2-14FD-100704
Description
Analysis Date 11/15/2004
Analyst JH

Volume (L) 1239.6
No. of Grid Openings 22
Filter Area (mm2) 385
Area Analyzed (mm2) 0.319
Analytical Sens. (struc/cc) 0.000974
Dectection Limit. (struc/cc) 0.00291

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	9.4	0.00292	0.00 - 0.00755	3
Total Asbestos Structures	9.4	0.00292	0.00 - 0.00755	3
Asbestos Structures > 5um	6.3	0.00195	0.00 - 0.00614	2
Asbestos Fibers and Bundles > 5um	6.3	0.00195	0.00 - 0.00614	2
PCM Equivalent Fibers-US	3.1	0.000974	0.00 - 0.00462	1
PCM Equivalent Structures-US	3.1	0.000974	0.00 - 0.00462	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL ASB STRUCS >10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00291	0.00 - 0.00291	0
AHERA-like Total Structures 3:1	9.4	0.00292	0.00 - 0.00755	3
AHERA-like Asb Strucs >5 and 3:1	6.3	0.00195	0.00 - 0.00614	2
AHERA-like Asb Strucs 5 - 10 and 3:1	3.1	0.000974	0.00 - 0.00462	1
AHERA-like Asb Strucs >10 and 3:1	3.1	0.000974	0.00 - 0.00462	1
Total Other Amphibole Strucs 3:1	0.0	<0.00291	0.00 - 0.00291	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00291	0.00 - 0.00291	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S67 A1
Client Sample No. CPS-H2-1PG-100704
Description
Analysis Date 11/15/2004
Analyst JH

Volume (L) 1189.92
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000971
Dectection Limit. (struc/cc) 0.00290

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	15.0	0.00485	0.00158 - 0.0113	5
Total Asbestos Structures	15.0	0.00485	0.00158 - 0.0113	5
Asbestos Structures > 5um	0.0	<0.00290	0.00 - 0.00290	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00290	0.00 - 0.00290	0
PCM Equivalent Fibers-US	0.0	<0.00290	0.00 - 0.00290	0
PCM Equivalent Structures-US	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL ASB STRUCS >10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00290	0.00 - 0.00290	0
AHERA-like Total Structures 3:1	15.0	0.00485	0.00158 - 0.0113	5
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00290	0.00 - 0.00290	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00290	0.00 - 0.00290	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00290	0.00 - 0.00290	0
Total Other Amphibole Strucs 3:1	0.0	<0.00290	0.00 - 0.00290	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00290	0.00 - 0.00290	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00290	0.00 - 0.00290	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00290	0.00 - 0.00290	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S68 A1
Client Sample No. CPS-H2-2PG-100704
Description
Analysis Date 11/16/2004
Analyst JH

Volume (L) 1208.4
No. of Grid Openings 22
Filter Area (mm2) 385
Area Analyzed (mm2) 0.319
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	9.4	0.00300	0.00 - 0.00775	3
Total Asbestos Structures	9.4	0.00300	0.00 - 0.00775	3
Asbestos Structures > 5um	0.0	<0.00299	0.00 - 0.00299	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00299	0.00 - 0.00299	0
PCM Equivalent Fibers-US	0.0	<0.00299	0.00 - 0.00299	0
PCM Equivalent Structures-US	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Total Structures 3:1	9.4	0.00300	0.00 - 0.00775	3
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Total Other Amphibole Strucs 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S69 A1
Client Sample No. CPS-H2-3FD-100704
Description
Analysis Date 11/17/2004
Analyst JH

Volume (L) 1176.24
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000982
Dectection Limit. (struc/cc) 0.00294

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	15.0	0.00491	0.00159 - 0.0115	5
Total Asbestos Structures	15.0	0.00491	0.00159 - 0.0115	5
Asbestos Structures > 5um	3.0	0.000982	0.00 - 0.00466	1
Asbestos Fibers and Bundles > 5um	3.0	0.000982	0.00 - 0.00466	1
PCM Equivalent Fibers-US	3.0	0.000982	0.00 - 0.00466	1
PCM Equivalent Structures-US	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL ASB STRUCS 5-10	3.0	0.000982	0.00 - 0.00466	1
PROTOCOL ASB STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL ASB STRUCS TOTAL	3.0	0.000982	0.00 - 0.00466	1
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS 5-10	3.0	0.000982	0.00 - 0.00466	1
PROTOCOL AMPH STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS TOTAL	3.0	0.000982	0.00 - 0.00466	1
AHERA-like Total Structures 3:1	15.0	0.00491	0.00159 - 0.0115	5
AHERA-like Asb Strucs >5 and 3:1	3.0	0.000982	0.00 - 0.00466	1
AHERA-like Asb Strucs 5 - 10 and 3:1	3.0	0.000982	0.00 - 0.00466	1
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Total Other Amphibole Strucs 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S70 A1
Client Sample No. CPS-H2-3PG-100704
Description
Analysis Date 11/17/2004
Analyst JH

Volume (L) 1133.52
No. of Grid Openings 24
Filter Area (mm2) 385
Area Analyzed (mm2) 0.348
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	5.8	0.00195	0.00 - 0.00615	2
Total Asbestos Structures	5.8	0.00195	0.00 - 0.00615	2
Asbestos Structures > 5um	5.8	0.00195	0.00 - 0.00615	2
Asbestos Fibers and Bundles > 5um	2.9	0.000977	0.00 - 0.00463	1
PCM Equivalent Fibers-US	2.9	0.000977	0.00 - 0.00463	1
PCM Equivalent Structures-US	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL ASB STRUCS >10	2.9	0.000977	0.00 - 0.00463	1
PROTOCOL ASB STRUCS TOTAL	2.9	0.000977	0.00 - 0.00463	1
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL AMPH STRUCS >10	2.9	0.000977	0.00 - 0.00463	1
PROTOCOL AMPH STRUCS TOTAL	2.9	0.000977	0.00 - 0.00463	1
AHERA-like Total Structures 3:1	5.8	0.00195	0.00 - 0.00615	2
AHERA-like Asb Strucs >5 and 3:1	5.8	0.00195	0.00 - 0.00615	2
AHERA-like Asb Strucs 5 - 10 and 3:1	2.9	0.000977	0.00 - 0.00463	1
AHERA-like Asb Strucs >10 and 3:1	2.9	0.000977	0.00 - 0.00463	1
Total Other Amphibole Strucs 3:1	0.0	<0.00292	0.00 - 0.00292	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00292	0.00 - 0.00292	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00292	0.00 - 0.00292	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00292	0.00 - 0.00292	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S71 A1
Client Sample No. CPS-H2-4PG-100704
Description
Analysis Date 11/17/2004
Analyst JH

Volume (L) 1260
No. of Grid Openings 22
Filter Area (mm2) 385
Area Analyzed (mm2) 0.319
Analytical Sens. (struc/cc) 0.000959
Dectection Limit. (struc/cc) 0.00287

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	12.5	0.00383	0.00104 - 0.00982	4
Total Asbestos Structures	12.5	0.00383	0.00104 - 0.00982	4
Asbestos Structures > 5um	6.3	0.00192	0.00 - 0.00604	2
Asbestos Fibers and Bundles > 5um	3.1	0.000959	0.00 - 0.00454	1
PCM Equivalent Fibers-US	6.3	0.00192	0.00 - 0.00604	2
PCM Equivalent Structures-US	6.3	0.00192	0.00 - 0.00604	2
PROTOCOL ASB STRUCS 5-10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL ASB STRUCS >10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00287	0.00 - 0.00287	0
AHERA-like Total Structures 3:1	12.5	0.00383	0.00104 - 0.00982	4
AHERA-like Asb Strucs >5 and 3:1	6.3	0.00192	0.00 - 0.00604	2
AHERA-like Asb Strucs 5 - 10 and 3:1	6.3	0.00192	0.00 - 0.00604	2
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00287	0.00 - 0.00287	0
Total Other Amphibole Strucs 3:1	0.0	<0.00287	0.00 - 0.00287	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00287	0.00 - 0.00287	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00287	0.00 - 0.00287	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00287	0.00 - 0.00287	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S72 A1
Client Sample No. CPS-H2-5FD-100704
Description
Analysis Date 11/17/2004
Analyst JH

Volume (L) 1236
No. of Grid Openings 22
Filter Area (mm2) 385
Area Analyzed (mm2) 0.319
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	12.5	0.00391	0.00107 - 0.0100	4
Total Asbestos Structures	12.5	0.00391	0.00107 - 0.0100	4
Asbestos Structures > 5um	6.3	0.00195	0.00 - 0.00616	2
Asbestos Fibers and Bundles > 5um	3.1	0.000977	0.00 - 0.00463	1
PCM Equivalent Fibers-US	3.1	0.000977	0.00 - 0.00463	1
PCM Equivalent Structures-US	3.1	0.000977	0.00 - 0.00463	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL ASB STRUCS >10	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00292	0.00 - 0.00292	0
AHERA-like Total Structures 3:1	12.5	0.00391	0.00107 - 0.0100	4
AHERA-like Asb Strucs >5 and 3:1	6.3	0.00195	0.00 - 0.00616	2
AHERA-like Asb Strucs 5 - 10 and 3:1	6.3	0.00195	0.00 - 0.00616	2
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00292	0.00 - 0.00292	0
Total Other Amphibole Strucs 3:1	0.0	<0.00292	0.00 - 0.00292	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00292	0.00 - 0.00292	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00292	0.00 - 0.00292	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00292	0.00 - 0.00292	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S73 A1
Client Sample No. CPS-H2-5PG-100704
Description
Analysis Date 11/17/2004
Analyst JH

Volume (L) 1200
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000963
Dectection Limit. (struc/cc) 0.00288

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	24.0	0.00770	0.00333 - 0.0152	8
Total Asbestos Structures	24.0	0.00770	0.00333 - 0.0152	8
Asbestos Structures > 5um	6.0	0.00193	0.00 - 0.00606	2
Asbestos Fibers and Bundles > 5um	6.0	0.00193	0.00 - 0.00606	2
PCM Equivalent Fibers-US	6.0	0.00193	0.00 - 0.00606	2
PCM Equivalent Structures-US	6.0	0.00193	0.00 - 0.00606	2
PROTOCOL ASB STRUCS 5-10	3.0	0.000963	0.00 - 0.00456	1
PROTOCOL ASB STRUCS >10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL ASB STRUCS TOTAL	3.0	0.000963	0.00 - 0.00456	1
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL AMPH STRUCS 5-10	3.0	0.000963	0.00 - 0.00456	1
PROTOCOL AMPH STRUCS >10	0.0	<0.00288	0.00 - 0.00288	0
PROTOCOL AMPH STRUCS TOTAL	3.0	0.000963	0.00 - 0.00456	1
AHERA-like Total Structures 3:1	24.0	0.00770	0.00333 - 0.0152	8
AHERA-like Asb Strucs >5 and 3:1	6.0	0.00193	0.00 - 0.00606	2
AHERA-like Asb Strucs 5 - 10 and 3:1	6.0	0.00193	0.00 - 0.00606	2
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00288	0.00 - 0.00288	0
Total Other Amphibole Strucs 3:1	0.0	<0.00288	0.00 - 0.00288	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00288	0.00 - 0.00288	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00288	0.00 - 0.00288	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00288	0.00 - 0.00288	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S74 A1
Client Sample No. CPS-L2-FB-100704
Description
Analysis Date 11/18/2004
Analyst JH

Volume (L) 300.29
No. of Grid Openings 89
Filter Area (mm2) 385
Area Analyzed (mm2) 1.29
Analytical Sens. (struc/cc) 0.000994
Dectection Limit. (struc/cc) 0.00297

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	0.0	<0.00297	0.00 - 0.00297	0
Total Asbestos Structures	0.0	<0.00297	0.00 - 0.00297	0
Asbestos Structures > 5um	0.0	<0.00297	0.00 - 0.00297	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00297	0.00 - 0.00297	0
PCM Equivalent Fibers-US	0.0	<0.00297	0.00 - 0.00297	0
PCM Equivalent Structures-US	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Total Structures 3:1	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Total Other Amphibole Strucs 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S75 A1
Client Sample No. JEB-L2-1ZP-101004
Description
Analysis Date 11/18/2004
Analyst JH

Volume (L) 299.89
No. of Grid Openings 8
Filter Area (mm2) 385
Area Analyzed (mm2) 0.116
Analytical Sens. (struc/cc) 0.0111
Dectection Limit. (struc/cc) 0.0331

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	948.9	1.22	1.00 - 1.47 (Poisson)	110
Total Asbestos Structures	1035.2	1.33	1.10 - 1.59 (Poisson)	120
Asbestos Structures > 5um	103.5	0.133	0.0687 - 0.232	12
Asbestos Fibers and Bundles > 5um	86.3	0.111	0.0531 - 0.204	10
PCM Equivalent Fibers-US	69.0	0.0886	0.0383 - 0.175	8
PCM Equivalent Structures-US	60.4	0.0775	0.0312 - 0.160	7
PROTOCOL ASB STRUCS 5-10	25.9	0.0332	0.00 - 0.0858	3
PROTOCOL ASB STRUCS >10	25.9	0.0332	0.00 - 0.0858	3
PROTOCOL ASB STRUCS TOTAL	51.8	0.0664	0.0244 - 0.145	6
PROTOCOL CHRYS STRUCS 5-10	17.3	0.0221	0.00 - 0.0698	2
PROTOCOL CHRYS STRUCS >10	8.6	0.0111	0.00 - 0.0525	1
PROTOCOL CHRYS STRUCS TOTAL	25.9	0.0332	0.00 - 0.0858	3
PROTOCOL AMPH STRUCS 5-10	8.6	0.0111	0.00 - 0.0525	1
PROTOCOL AMPH STRUCS >10	17.3	0.0221	0.00 - 0.0698	2
PROTOCOL AMPH STRUCS TOTAL	25.9	0.0332	0.00 - 0.0858	3
AHERA-like Total Structures 3:1	940.3	1.21	0.901 - 1.35 (Poisson)	109
AHERA-like Asb Strucs >5 and 3:1	103.5	0.133	0.0687 - 0.232	12
AHERA-like Asb Strucs 5 - 10 and 3:1	51.8	0.0664	0.0244 - 0.145	6
AHERA-like Asb Strucs >10 and 3:1	51.8	0.0664	0.0244 - 0.145	6
Total Other Amphibole Strucs 3:1	0.0	<0.0331	0.00 - 0.0331	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.0331	0.00 - 0.0331	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.0331	0.00 - 0.0331	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.0331	0.00 - 0.0331	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S76 A1
Client Sample No. JOGB-H2-12TR-100704
Description
Analysis Date 11/20/2004
Analyst JH

Volume (L) 1239.6
No. of Grid Openings 22
Filter Area (mm2) 385
Area Analyzed (mm2) 0.319
Analytical Sens. (struc/cc) 0.000974
Dectection Limit. (struc/cc) 0.00291

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	9.4	0.00292	0.00 - 0.00755	3
Total Asbestos Structures	9.4	0.00292	0.00 - 0.00755	3
Asbestos Structures > 5um	3.1	0.000974	0.00 - 0.00462	1
Asbestos Fibers and Bundles > 5um	3.1	0.000974	0.00 - 0.00462	1
PCM Equivalent Fibers-US	0.0	<0.00291	0.00 - 0.00291	0
PCM Equivalent Structures-US	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL ASB STRUCS >10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00291	0.00 - 0.00291	0
AHERA-like Total Structures 3:1	9.4	0.00292	0.00 - 0.00755	3
AHERA-like Asb Strucs >5 and 3:1	3.1	0.000974	0.00 - 0.00462	1
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
AHERA-like Asb Strucs >10 and 3:1	3.1	0.000974	0.00 - 0.00462	1
Total Other Amphibole Strucs 3:1	0.0	<0.00291	0.00 - 0.00291	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00291	0.00 - 0.00291	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S77 A1
Client Sample No. JOGB-H2-1TR-100704
Description
Analysis Date 11/20/2004
Analyst JH

Volume (L) 1248
No. of Grid Openings 22
Filter Area (mm2) 385
Area Analyzed (mm2) 0.319
Analytical Sens. (struc/cc) 0.000968
Dectection Limit. (struc/cc) 0.00289

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	15.7	0.00484	0.00157 - 0.0113	5
Total Asbestos Structures	15.7	0.00484	0.00157 - 0.0113	5
Asbestos Structures > 5um	9.4	0.00290	0.00 - 0.00750	3
Asbestos Fibers and Bundles > 5um	9.4	0.00290	0.00 - 0.00750	3
PCM Equivalent Fibers-US	9.4	0.00290	0.00 - 0.00750	3
PCM Equivalent Structures-US	9.4	0.00290	0.00 - 0.00750	3
PROTOCOL ASB STRUCS 5-10	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL ASB STRUCS >10	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00289	0.00 - 0.00289	0
AHERA-like Total Structures 3:1	15.7	0.00484	0.00157 - 0.0113	5
AHERA-like Asb Strucs >5 and 3:1	9.4	0.00290	0.00 - 0.00750	3
AHERA-like Asb Strucs 5 - 10 and 3:1	3.1	0.000968	0.00 - 0.00459	1
AHERA-like Asb Strucs >10 and 3:1	6.3	0.00194	0.00 - 0.00610	2
Total Other Amphibole Strucs 3:1	0.0	<0.00289	0.00 - 0.00289	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00289	0.00 - 0.00289	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00289	0.00 - 0.00289	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00289	0.00 - 0.00289	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S78 A1
Client Sample No. JOGB-H2-2TR-100704
Description
Analysis Date 11/20/2004
Analyst JH

Volume (L) 1204.8
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000959
Dectection Limit. (struc/cc) 0.00287

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	9.0	0.00288	0.00 - 0.00743	3
Total Asbestos Structures	9.0	0.00288	0.00 - 0.00743	3
Asbestos Structures > 5um	9.0	0.00288	0.00 - 0.00743	3
Asbestos Fibers and Bundles > 5um	9.0	0.00288	0.00 - 0.00743	3
PCM Equivalent Fibers-US	9.0	0.00288	0.00 - 0.00743	3
PCM Equivalent Structures-US	9.0	0.00288	0.00 - 0.00743	3
PROTOCOL ASB STRUCS 5-10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL ASB STRUCS >10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00287	0.00 - 0.00287	0
AHERA-like Total Structures 3:1	9.0	0.00288	0.00 - 0.00743	3
AHERA-like Asb Strucs >5 and 3:1	9.0	0.00288	0.00 - 0.00743	3
AHERA-like Asb Strucs 5 - 10 and 3:1	3.0	0.000959	0.00 - 0.00454	1
AHERA-like Asb Strucs >10 and 3:1	6.0	0.00192	0.00 - 0.00604	2
Total Other Amphibole Strucs 3:1	0.0	<0.00287	0.00 - 0.00287	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00287	0.00 - 0.00287	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00287	0.00 - 0.00287	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00287	0.00 - 0.00287	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S79 A1
Client Sample No. JOGB-H2-3TR-100704
Description
Analysis Date 11/20/2004
Analyst JH

Volume (L) 1134.9
No. of Grid Openings 24
Filter Area (mm2) 385
Area Analyzed (mm2) 0.348
Analytical Sens. (struc/cc) 0.000975
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	2.9	0.000975	0.00 - 0.00462	1
Total Asbestos Structures	2.9	0.000975	0.00 - 0.00462	1
Asbestos Structures > 5um	2.9	0.000975	0.00 - 0.00462	1
Asbestos Fibers and Bundles > 5um	2.9	0.000975	0.00 - 0.00462	1
PCM Equivalent Fibers-US	2.9	0.000975	0.00 - 0.00462	1
PCM Equivalent Structures-US	2.9	0.000975	0.00 - 0.00462	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL ASB STRUCS >10	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00292	0.00 - 0.00292	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00292	0.00 - 0.00292	0
AHERA-like Total Structures 3:1	2.9	0.000975	0.00 - 0.00462	1
AHERA-like Asb Strucs >5 and 3:1	2.9	0.000975	0.00 - 0.00462	1
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00292	0.00 - 0.00292	0
AHERA-like Asb Strucs >10 and 3:1	2.9	0.000975	0.00 - 0.00462	1
Total Other Amphibole Strucs 3:1	0.0	<0.00292	0.00 - 0.00292	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00292	0.00 - 0.00292	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00292	0.00 - 0.00292	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00292	0.00 - 0.00292	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S80 A1
Client Sample No. JOGB-H2-4TR-100704
Description
Analysis Date 11/15/2004
Analyst TM

Volume (L) 1176.96
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000982
Dectection Limit. (struc/cc) 0.00293

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	12.0	0.00393	0.00107 - 0.0101	4
Total Asbestos Structures	12.0	0.00393	0.00107 - 0.0101	4
Asbestos Structures > 5um	3.0	0.000982	0.00 - 0.00465	1
Asbestos Fibers and Bundles > 5um	3.0	0.000982	0.00 - 0.00465	1
PCM Equivalent Fibers-US	3.0	0.000982	0.00 - 0.00465	1
PCM Equivalent Structures-US	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL ASB STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00293	0.00 - 0.00293	0
AHERA-like Total Structures 3:1	12.0	0.00393	0.00107 - 0.0101	4
AHERA-like Asb Strucs >5 and 3:1	3.0	0.000982	0.00 - 0.00465	1
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00293	0.00 - 0.00293	0
AHERA-like Asb Strucs >10 and 3:1	3.0	0.000982	0.00 - 0.00465	1
Total Other Amphibole Strucs 3:1	0.0	<0.00293	0.00 - 0.00293	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00293	0.00 - 0.00293	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00293	0.00 - 0.00293	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00293	0.00 - 0.00293	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S81 A1
Client Sample No. JOGB-H2-5TR-100704
Description
Analysis Date 11/15/2004
Analyst TM

Volume (L) 1179.12
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000980
Dectection Limit. (struc/cc) 0.00293

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	15.0	0.00490	0.00159 - 0.0114	5
Total Asbestos Structures	15.0	0.00490	0.00159 - 0.0114	5
Asbestos Structures > 5um	3.0	0.000980	0.00 - 0.00464	1
Asbestos Fibers and Bundles > 5um	3.0	0.000980	0.00 - 0.00464	1
PCM Equivalent Fibers-US	3.0	0.000980	0.00 - 0.00464	1
PCM Equivalent Structures-US	3.0	0.000980	0.00 - 0.00464	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL ASB STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00293	0.00 - 0.00293	0
AHERA-like Total Structures 3:1	15.0	0.00490	0.00159 - 0.0114	5
AHERA-like Asb Strucs >5 and 3:1	3.0	0.000980	0.00 - 0.00464	1
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00293	0.00 - 0.00293	0
AHERA-like Asb Strucs >10 and 3:1	3.0	0.000980	0.00 - 0.00464	1
Total Other Amphibole Strucs 3:1	0.0	<0.00293	0.00 - 0.00293	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00293	0.00 - 0.00293	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00293	0.00 - 0.00293	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00293	0.00 - 0.00293	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S83 A1
Client Sample No. NYB-H2-13PG-100704
Description
Analysis Date 11/16/2004
Analyst KM

Volume (L) 1306.8
No. of Grid Openings 21
Filter Area (mm2) 385
Area Analyzed (mm2) 0.304
Analytical Sens. (struc/cc) 0.000968
Dectection Limit. (struc/cc) 0.00289

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	3.3	0.000968	0.00 - 0.00459	1
Total Asbestos Structures	3.3	0.000968	0.00 - 0.00459	1
Asbestos Structures > 5um	3.3	0.000968	0.00 - 0.00459	1
Asbestos Fibers and Bundles > 5um	3.3	0.000968	0.00 - 0.00459	1
PCM Equivalent Fibers-US	3.3	0.000968	0.00 - 0.00459	1
PCM Equivalent Structures-US	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL ASB STRUCS 5-10	3.3	0.000968	0.00 - 0.00459	1
PROTOCOL ASB STRUCS >10	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL ASB STRUCS TOTAL	3.3	0.000968	0.00 - 0.00459	1
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL AMPH STRUCS 5-10	3.3	0.000968	0.00 - 0.00459	1
PROTOCOL AMPH STRUCS >10	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL AMPH STRUCS TOTAL	3.3	0.000968	0.00 - 0.00459	1
AHERA-like Total Structures 3:1	3.3	0.000968	0.00 - 0.00459	1
AHERA-like Asb Strucs >5 and 3:1	3.3	0.000968	0.00 - 0.00459	1
AHERA-like Asb Strucs 5 - 10 and 3:1	3.3	0.000968	0.00 - 0.00459	1
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00289	0.00 - 0.00289	0
Total Other Amphibole Strucs 3:1	0.0	<0.00289	0.00 - 0.00289	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00289	0.00 - 0.00289	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00289	0.00 - 0.00289	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00289	0.00 - 0.00289	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S84 A1
Client Sample No. NYB-H2-1PG-100704
Description
Analysis Date 11/16/2004
Analyst KM

Volume (L) 1192.68
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000969
Dectection Limit. (struc/cc) 0.00290

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

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S85 A1
Client Sample No. NYB-H2-22FD-100704
Description
Analysis Date 11/16/2004
Analyst KM

Volume (L) 614.54
No. of Grid Openings 44
Filter Area (mm2) 385
Area Analyzed (mm2) 0.638
Analytical Sens. (struc/cc) 0.000983
Dectection Limit. (struc/cc) 0.00294

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	12.5	0.00786	0.00339 - 0.0155	8
Total Asbestos Structures	12.5	0.00786	0.00339 - 0.0155	8
Asbestos Structures > 5um	3.1	0.00197	0.00 - 0.00619	2
Asbestos Fibers and Bundles > 5um	1.6	0.000983	0.00 - 0.00466	1
PCM Equivalent Fibers-US	1.6	0.000983	0.00 - 0.00466	1
PCM Equivalent Structures-US	1.6	0.000983	0.00 - 0.00466	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL ASB STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00294	0.00 - 0.00294	0
AHERA-like Total Structures 3:1	12.5	0.00786	0.00339 - 0.0155	8
AHERA-like Asb Strucs >5 and 3:1	3.1	0.00197	0.00 - 0.00619	2
AHERA-like Asb Strucs 5 - 10 and 3:1	3.1	0.00197	0.00 - 0.00619	2
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Total Other Amphibole Strucs 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S86 A1
Client Sample No. NYB-H2-2PG-100704
Description
Analysis Date 11/19/2004
Analyst TM

Volume (L) 1186.8
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000973
Dectection Limit. (struc/cc) 0.00291

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	3.0	0.000973	0.00 - 0.00461	1
Total Asbestos Structures	3.0	0.000973	0.00 - 0.00461	1
Asbestos Structures > 5um	0.0	<0.00291	0.00 - 0.00291	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00291	0.00 - 0.00291	0
PCM Equivalent Fibers-US	0.0	<0.00291	0.00 - 0.00291	0
PCM Equivalent Structures-US	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL ASB STRUCS >10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00291	0.00 - 0.00291	0
AHERA-like Total Structures 3:1	3.0	0.000973	0.00 - 0.00461	1
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
Total Other Amphibole Strucs 3:1	0.0	<0.00291	0.00 - 0.00291	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00291	0.00 - 0.00291	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S88 A1
Client Sample No. NYB-H2-3PG-100704
Description
Analysis Date 11/21/2004
Analyst TM

Volume (L) 1175.52
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000983
Dectection Limit. (struc/cc) 0.00294

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	3.0	0.000983	0.00 - 0.00466	1
Total Asbestos Structures	3.0	0.000983	0.00 - 0.00466	1
Asbestos Structures > 5um	0.0	<0.00294	0.00 - 0.00294	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00294	0.00 - 0.00294	0
PCM Equivalent Fibers-US	0.0	<0.00294	0.00 - 0.00294	0
PCM Equivalent Structures-US	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL ASB STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00294	0.00 - 0.00294	0
AHERA-like Total Structures 3:1	3.0	0.000983	0.00 - 0.00466	1
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Total Other Amphibole Strucs 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S89 A1
Client Sample No. NYB-H2-4PG-100704
Description
Analysis Date 11/21/2004
Analyst TM

Volume (L) 1257.6
No. of Grid Openings 22
Filter Area (mm2) 385
Area Analyzed (mm2) 0.319
Analytical Sens. (struc/cc) 0.000960
Dectection Limit. (struc/cc) 0.00287

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	0.0	<0.00287	0.00 - 0.00287	0
Total Asbestos Structures	0.0	<0.00287	0.00 - 0.00287	0
Asbestos Structures > 5um	0.0	<0.00287	0.00 - 0.00287	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00287	0.00 - 0.00287	0
PCM Equivalent Fibers-US	0.0	<0.00287	0.00 - 0.00287	0
PCM Equivalent Structures-US	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL ASB STRUCS >10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00287	0.00 - 0.00287	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00287	0.00 - 0.00287	0
AHERA-like Total Structures 3:1	0.0	<0.00287	0.00 - 0.00287	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00287	0.00 - 0.00287	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00287	0.00 - 0.00287	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00287	0.00 - 0.00287	0
Total Other Amphibole Strucs 3:1	0.0	<0.00287	0.00 - 0.00287	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00287	0.00 - 0.00287	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00287	0.00 - 0.00287	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00287	0.00 - 0.00287	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S90 A1
Client Sample No. NYB-H2-5FD-100704
Description
Analysis Date 11/20/2004
Analyst JH

Volume (L) 1244.4
No. of Grid Openings 22
Filter Area (mm2) 385
Area Analyzed (mm2) 0.319
Analytical Sens. (struc/cc) 0.000971
Dectection Limit. (struc/cc) 0.00290

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	9.4	0.00291	0.00 - 0.00752	3
Total Asbestos Structures	9.4	0.00291	0.00 - 0.00752	3
Asbestos Structures > 5um	6.3	0.00194	0.00 - 0.00611	2
Asbestos Fibers and Bundles > 5um	6.3	0.00194	0.00 - 0.00611	2
PCM Equivalent Fibers-US	6.3	0.00194	0.00 - 0.00611	2
PCM Equivalent Structures-US	6.3	0.00194	0.00 - 0.00611	2
PROTOCOL ASB STRUCS 5-10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL ASB STRUCS >10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00290	0.00 - 0.00290	0
AHERA-like Total Structures 3:1	9.4	0.00291	0.00 - 0.00752	3
AHERA-like Asb Strucs >5 and 3:1	6.3	0.00194	0.00 - 0.00611	2
AHERA-like Asb Strucs 5 - 10 and 3:1	3.1	0.000971	0.00 - 0.00460	1
AHERA-like Asb Strucs >10 and 3:1	3.1	0.000971	0.00 - 0.00460	1
Total Other Amphibole Strucs 3:1	0.0	<0.00290	0.00 - 0.00290	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00290	0.00 - 0.00290	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00290	0.00 - 0.00290	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00290	0.00 - 0.00290	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S91 A1
Client Sample No. NYB-H2-5PG-100704
Description
Analysis Date 11/21/2004
Analyst JH

Volume (L) 1691.89
No. of Grid Openings 16
Filter Area (mm2) 385
Area Analyzed (mm2) 0.232
Analytical Sens. (struc/cc) 0.000982
Dectection Limit. (struc/cc) 0.00293

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	4.3	0.000982	0.00 - 0.00465	1
Total Asbestos Structures	4.3	0.000982	0.00 - 0.00465	1
Asbestos Structures > 5um	4.3	0.000982	0.00 - 0.00465	1
Asbestos Fibers and Bundles > 5um	0.0	<0.00293	0.00 - 0.00293	0
PCM Equivalent Fibers-US	4.3	0.000982	0.00 - 0.00465	1
PCM Equivalent Structures-US	4.3	0.000982	0.00 - 0.00465	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL ASB STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00293	0.00 - 0.00293	0
AHERA-like Total Structures 3:1	4.3	0.000982	0.00 - 0.00465	1
AHERA-like Asb Strucs >5 and 3:1	4.3	0.000982	0.00 - 0.00465	1
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00293	0.00 - 0.00293	0
AHERA-like Asb Strucs >10 and 3:1	4.3	0.000982	0.00 - 0.00465	1
Total Other Amphibole Strucs 3:1	0.0	<0.00293	0.00 - 0.00293	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00293	0.00 - 0.00293	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00293	0.00 - 0.00293	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00293	0.00 - 0.00293	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S92 A1
Client Sample No. NYB-L2-1ZP-100704
Description
Analysis Date 11/21/2004
Analyst JH

Volume (L) 300.88
No. of Grid Openings 8
Filter Area (mm2) 385
Area Analyzed (mm2) 0.116
Analytical Sens. (struc/cc) 0.0110
Dectection Limit. (struc/cc) 0.0330

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	854.0	1.09	0.888 - 1.33 (Poisson)	99
Total Asbestos Structures	879.9	1.13	0.898 - 1.34 (Poisson)	102
Asbestos Structures > 5um	129.4	0.166	0.0927 - 0.273	15
Asbestos Fibers and Bundles > 5um	129.4	0.166	0.0927 - 0.273	15
PCM Equivalent Fibers-US	94.9	0.121	0.0606 - 0.217	11
PCM Equivalent Structures-US	86.3	0.110	0.0529 - 0.203	10
PROTOCOL ASB STRUCS 5-10	34.5	0.0442	0.0120 - 0.113	4
PROTOCOL ASB STRUCS >10	8.6	0.0110	0.00 - 0.0523	1
PROTOCOL ASB STRUCS TOTAL	43.1	0.0552	0.0179 - 0.129	5
PROTOCOL CHRYS STRUCS 5-10	34.5	0.0442	0.0120 - 0.113	4
PROTOCOL CHRYS STRUCS >10	8.6	0.0110	0.00 - 0.0523	1
PROTOCOL CHRYS STRUCS TOTAL	43.1	0.0552	0.0179 - 0.129	5
PROTOCOL AMPH STRUCS 5-10	0.0	<0.0330	0.00 - 0.0330	0
PROTOCOL AMPH STRUCS >10	0.0	<0.0330	0.00 - 0.0330	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.0330	0.00 - 0.0330	0
AHERA-like Total Structures 3:1	854.0	1.09	0.888 - 1.33 (Poisson)	99
AHERA-like Asb Strucs >5 and 3:1	129.4	0.166	0.0927 - 0.273	15
AHERA-like Asb Strucs 5 - 10 and 3:1	112.1	0.144	0.0764 - 0.245	13
AHERA-like Asb Strucs >10 and 3:1	17.3	0.0221	0.00 - 0.0695	2
Total Other Amphibole Strucs 3:1	0.0	<0.0330	0.00 - 0.0330	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.0330	0.00 - 0.0330	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.0330	0.00 - 0.0330	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.0330	0.00 - 0.0330	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S93 A1
Client Sample No. TRA-H2-1ZP-100904
Description
Analysis Date 11/21/2004
Analyst JH

Volume (L) 1200.09
No. of Grid Openings 7
Filter Area (mm2) 385
Area Analyzed (mm2) 0.101
Analytical Sens. (struc/cc) 0.00316
Dectection Limit. (struc/cc) 0.00946

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	976.0	0.313	0.254 - 0.381 (Poisson)	99
Total Asbestos Structures	1035.2	0.332	0.257 - 0.385 (Poisson)	105
Asbestos Structures > 5um	157.7	0.0506	0.0289 - 0.0822	16
Asbestos Fibers and Bundles > 5um	167.6	0.0538	0.0313 - 0.0861	17
PCM Equivalent Fibers-US	108.4	0.0348	0.0174 - 0.0623	11
PCM Equivalent Structures-US	118.3	0.0380	0.0196 - 0.0663	12
PROTOCOL ASB STRUCS 5-10	69.0	0.0221	0.00890 - 0.0456	7
PROTOCOL ASB STRUCS >10	19.7	0.00633	0.00 - 0.0199	2
PROTOCOL ASB STRUCS TOTAL	88.7	0.0285	0.0130 - 0.0540	9
PROTOCOL CHRYS STRUCS 5-10	49.3	0.0158	0.00514 - 0.0369	5
PROTOCOL CHRYS STRUCS >10	19.7	0.00633	0.00 - 0.0199	2
PROTOCOL CHRYS STRUCS TOTAL	69.0	0.0221	0.00890 - 0.0456	7
PROTOCOL AMPH STRUCS 5-10	19.7	0.00633	0.00 - 0.0199	2
PROTOCOL AMPH STRUCS >10	0.0	<0.00946	0.00 - 0.00946	0
PROTOCOL AMPH STRUCS TOTAL	19.7	0.00633	0.00 - 0.0199	2
AHERA-like Total Structures 3:1	976.0	0.313	0.254 - 0.381 (Poisson)	99
AHERA-like Asb Strucs >5 and 3:1	157.7	0.0506	0.0289 - 0.0822	16
AHERA-like Asb Strucs 5 - 10 and 3:1	118.3	0.0380	0.0196 - 0.0663	12
AHERA-like Asb Strucs >10 and 3:1	39.4	0.0127	0.00345 - 0.0324	4
Total Other Amphibole Strucs 3:1	0.0	<0.00946	0.00 - 0.00946	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00946	0.00 - 0.00946	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00946	0.00 - 0.00946	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00946	0.00 - 0.00946	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S94 A1
Client Sample No. TRA-H8-11TR-100904
Description
Analysis Date 11/22/2004
Analyst JH

Volume (L) 5088.2
No. of Grid Openings 18
Filter Area (mm2) 385
Area Analyzed (mm2) 0.261
Analytical Sens. (struc/cc) 0.000290
Dectection Limit. (struc/cc) 0.000867

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	0.0	<0.000867	0.00 - 0.000867	0
Total Asbestos Structures	0.0	<0.000867	0.00 - 0.000867	0
Asbestos Structures > 5um	0.0	<0.000867	0.00 - 0.000867	0
Asbestos Fibers and Bundles > 5um	0.0	<0.000867	0.00 - 0.000867	0
PCM Equivalent Fibers-US	0.0	<0.000867	0.00 - 0.000867	0
PCM Equivalent Structures-US	0.0	<0.000867	0.00 - 0.000867	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.000867	0.00 - 0.000867	0
PROTOCOL ASB STRUCS >10	0.0	<0.000867	0.00 - 0.000867	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.000867	0.00 - 0.000867	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.000867	0.00 - 0.000867	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.000867	0.00 - 0.000867	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.000867	0.00 - 0.000867	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.000867	0.00 - 0.000867	0
PROTOCOL AMPH STRUCS >10	0.0	<0.000867	0.00 - 0.000867	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.000867	0.00 - 0.000867	0
AHERA-like Total Structures 3:1	0.0	<0.000867	0.00 - 0.000867	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.000867	0.00 - 0.000867	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.000867	0.00 - 0.000867	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.000867	0.00 - 0.000867	0
Total Other Amphibole Strucs 3:1	0.0	<0.000867	0.00 - 0.000867	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.000867	0.00 - 0.000867	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.000867	0.00 - 0.000867	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.000867	0.00 - 0.000867	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S95 A1
Client Sample No. TRA-H8-1TR-100904
Description
Analysis Date 11/22/2004
Analyst JH

Volume (L) 5023.98
No. of Grid Openings 18
Filter Area (mm2) 385
Area Analyzed (mm2) 0.261
Analytical Sens. (struc/cc) 0.000294
Dectection Limit. (struc/cc) 0.000879

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	15.3	0.00118	0.000320 - 0.00301	4
Total Asbestos Structures	15.3	0.00118	0.000320 - 0.00301	4
Asbestos Structures > 5um	7.7	0.000588	0.00 - 0.00185	2
Asbestos Fibers and Bundles > 5um	7.7	0.000588	0.00 - 0.00185	2
PCM Equivalent Fibers-US	3.8	0.000294	0.00 - 0.00139	1
PCM Equivalent Structures-US	3.8	0.000294	0.00 - 0.00139	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL ASB STRUCS >10	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL AMPH STRUCS >10	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.000879	0.00 - 0.000879	0
AHERA-like Total Structures 3:1	15.3	0.00118	0.000320 - 0.00301	4
AHERA-like Asb Strucs >5 and 3:1	7.7	0.000588	0.00 - 0.00185	2
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.000879	0.00 - 0.000879	0
AHERA-like Asb Strucs >10 and 3:1	7.7	0.000588	0.00 - 0.00185	2
Total Other Amphibole Strucs 3:1	0.0	<0.000879	0.00 - 0.000879	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.000879	0.00 - 0.000879	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.000879	0.00 - 0.000879	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.000879	0.00 - 0.000879	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S96 A1
Client Sample No. TRA-H8-2TR-100904
Description
Analysis Date 11/22/2004
Analyst JH

Volume (L) 4882.15
No. of Grid Openings 19
Filter Area (mm2) 385
Area Analyzed (mm2) 0.275
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	3.6	0.000286	0.00 - 0.00136	1
Total Asbestos Structures	3.6	0.000286	0.00 - 0.00136	1
Asbestos Structures > 5um	3.6	0.000286	0.00 - 0.00136	1
Asbestos Fibers and Bundles > 5um	3.6	0.000286	0.00 - 0.00136	1
PCM Equivalent Fibers-US	3.6	0.000286	0.00 - 0.00136	1
PCM Equivalent Structures-US	3.6	0.000286	0.00 - 0.00136	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.000856	0.00 - 0.000856	0
PROTOCOL ASB STRUCS >10	0.0	<0.000856	0.00 - 0.000856	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.000856	0.00 - 0.000856	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.000856	0.00 - 0.000856	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.000856	0.00 - 0.000856	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.000856	0.00 - 0.000856	0
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	3.6	0.000286	0.00 - 0.00136	1
AHERA-like Asb Strucs >5 and 3:1	3.6	0.000286	0.00 - 0.00136	1
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.000856	0.00 - 0.000856	0
AHERA-like Asb Strucs >10 and 3:1	3.6	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

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S97 A1
Client Sample No. TRA-H8-3TR-100904
Description
Analysis Date 11/22/2004
Analyst JH

Volume (L) 5007.39
No. of Grid Openings 18
Filter Area (mm2) 385
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	0.0	<0.000881	0.00 - 0.000881	0
Total Asbestos Structures	0.0	<0.000881	0.00 - 0.000881	0
Asbestos Structures > 5um	0.0	<0.000881	0.00 - 0.000881	0
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	0.0	<0.000881	0.00 - 0.000881	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.000881	0.00 - 0.000881	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.000881	0.00 - 0.000881	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.000881	0.00 - 0.000881	0
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 # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S98 A1
Client Sample No. TRA-H8-4TR-100904
Description
Analysis Date 11/22/2004
Analyst DW

Volume (L) 5022.34
No. of Grid Openings 18
Filter Area (mm2) 385
Area Analyzed (mm2) 0.261
Analytical Sens. (struc/cc) 0.000294
Dectection Limit. (struc/cc) 0.000879

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	0.0	<0.000879	0.00 - 0.000879	0
Total Asbestos Structures	0.0	<0.000879	0.00 - 0.000879	0
Asbestos Structures > 5um	0.0	<0.000879	0.00 - 0.000879	0
Asbestos Fibers and Bundles > 5um	0.0	<0.000879	0.00 - 0.000879	0
PCM Equivalent Fibers-US	0.0	<0.000879	0.00 - 0.000879	0
PCM Equivalent Structures-US	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL ASB STRUCS >10	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL AMPH STRUCS >10	0.0	<0.000879	0.00 - 0.000879	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.000879	0.00 - 0.000879	0
AHERA-like Total Structures 3:1	0.0	<0.000879	0.00 - 0.000879	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.000879	0.00 - 0.000879	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.000879	0.00 - 0.000879	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.000879	0.00 - 0.000879	0
Total Other Amphibole Strucs 3:1	0.0	<0.000879	0.00 - 0.000879	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.000879	0.00 - 0.000879	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.000879	0.00 - 0.000879	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.000879	0.00 - 0.000879	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S99 A1
Client Sample No. TRA-H8-5TR-100904
Description
Analysis Date 11/23/2004
Analyst JH

Volume (L) 5045.1
No. of Grid Openings 18
Filter Area (mm2) 385
Area Analyzed (mm2) 0.261
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	0.0	<0.000875	0.00 - 0.000875	0
Total Asbestos Structures	0.0	<0.000875	0.00 - 0.000875	0
Asbestos Structures > 5um	0.0	<0.000875	0.00 - 0.000875	0
Asbestos Fibers and Bundles > 5um	0.0	<0.000875	0.00 - 0.000875	0
PCM Equivalent Fibers-US	0.0	<0.000875	0.00 - 0.000875	0
PCM Equivalent Structures-US	0.0	<0.000875	0.00 - 0.000875	0
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	0.0	<0.000875	0.00 - 0.000875	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.000875	0.00 - 0.000875	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.000875	0.00 - 0.000875	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.000875	0.00 - 0.000875	0
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 # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S102 A1
Client Sample No. JEB-H1-1FD-101004
Description
Analysis Date 11/23/2004
Analyst JH

Volume (L) 1306.8
No. of Grid Openings 21
Filter Area (mm2) 385
Area Analyzed (mm2) 0.304
Analytical Sens. (struc/cc) 0.000968
Dectection Limit. (struc/cc) 0.00289

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	0.0	<0.00289	0.00 - 0.00289	0
Total Asbestos Structures	0.0	<0.00289	0.00 - 0.00289	0
Asbestos Structures > 5um	0.0	<0.00289	0.00 - 0.00289	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00289	0.00 - 0.00289	0
PCM Equivalent Fibers-US	0.0	<0.00289	0.00 - 0.00289	0
PCM Equivalent Structures-US	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL ASB STRUCS >10	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00289	0.00 - 0.00289	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00289	0.00 - 0.00289	0
AHERA-like Total Structures 3:1	0.0	<0.00289	0.00 - 0.00289	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00289	0.00 - 0.00289	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00289	0.00 - 0.00289	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00289	0.00 - 0.00289	0
Total Other Amphibole Strucs 3:1	0.0	<0.00289	0.00 - 0.00289	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00289	0.00 - 0.00289	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00289	0.00 - 0.00289	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00289	0.00 - 0.00289	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S103 A1
Client Sample No. JEB-H1-2FD-101004
Description
Analysis Date 11/21/2004
Analyst TM

Volume (L) 1222.8
No. of Grid Openings 22
Filter Area (mm2) 385
Area Analyzed (mm2) 0.319
Analytical Sens. (struc/cc) 0.000988
Dectection Limit. (struc/cc) 0.00295

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	6.3	0.00198	0.00 - 0.00622	2
Total Asbestos Structures	6.3	0.00198	0.00 - 0.00622	2
Asbestos Structures > 5um	0.0	<0.00295	0.00 - 0.00295	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00295	0.00 - 0.00295	0
PCM Equivalent Fibers-US	0.0	<0.00295	0.00 - 0.00295	0
PCM Equivalent Structures-US	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL ASB STRUCS >10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00295	0.00 - 0.00295	0
AHERA-like Total Structures 3:1	6.3	0.00198	0.00 - 0.00622	2
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00295	0.00 - 0.00295	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00295	0.00 - 0.00295	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00295	0.00 - 0.00295	0
Total Other Amphibole Strucs 3:1	0.0	<0.00295	0.00 - 0.00295	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00295	0.00 - 0.00295	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00295	0.00 - 0.00295	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00295	0.00 - 0.00295	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S105 A1
Client Sample No. JEB-H2-4FD-101004
Description
Analysis Date 11/22/2004
Analyst DW

Volume (L) 1186.62
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000974
Dectection Limit. (struc/cc) 0.00291

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	3.0	0.000974	0.00 - 0.00461	1
Total Asbestos Structures	3.0	0.000974	0.00 - 0.00461	1
Asbestos Structures > 5um	0.0	<0.00291	0.00 - 0.00291	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00291	0.00 - 0.00291	0
PCM Equivalent Fibers-US	0.0	<0.00291	0.00 - 0.00291	0
PCM Equivalent Structures-US	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL ASB STRUCS >10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00291	0.00 - 0.00291	0
AHERA-like Total Structures 3:1	3.0	0.000974	0.00 - 0.00461	1
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
Total Other Amphibole Strucs 3:1	0.0	<0.00291	0.00 - 0.00291	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00291	0.00 - 0.00291	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S106 A1
Client Sample No. JEB-H2-5EFD-101004
Description
Analysis Date 11/22/2004
Analyst DW

Volume (L) 615
No. of Grid Openings 44
Filter Area (mm2) 385
Area Analyzed (mm2) 0.638
Analytical Sens. (struc/cc) 0.000982
Dectection Limit. (struc/cc) 0.00294

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	3.1	0.00196	0.00 - 0.00619	2
Total Asbestos Structures	3.1	0.00196	0.00 - 0.00619	2
Asbestos Structures > 5um	3.1	0.00196	0.00 - 0.00619	2
Asbestos Fibers and Bundles > 5um	3.1	0.00196	0.00 - 0.00619	2
PCM Equivalent Fibers-US	3.1	0.00196	0.00 - 0.00619	2
PCM Equivalent Structures-US	3.1	0.00196	0.00 - 0.00619	2
PROTOCOL ASB STRUCS 5-10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL ASB STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00294	0.00 - 0.00294	0
AHERA-like Total Structures 3:1	3.1	0.00196	0.00 - 0.00619	2
AHERA-like Asb Strucs >5 and 3:1	3.1	0.00196	0.00 - 0.00619	2
AHERA-like Asb Strucs 5 - 10 and 3:1	1.6	0.000982	0.00 - 0.00465	1
AHERA-like Asb Strucs >10 and 3:1	1.6	0.000982	0.00 - 0.00465	1
Total Other Amphibole Strucs 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S107 A1
Client Sample No. JEB-H2-5WFD-101004
Description
Analysis Date 11/22/2004
Analyst DW

Volume (L) 622.2
No. of Grid Openings 44
Filter Area (mm2) 385
Area Analyzed (mm2) 0.638
Analytical Sens. (struc/cc) 0.000971
Dectection Limit. (struc/cc) 0.00290

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	3.1	0.00194	0.00 - 0.00611	2
Total Asbestos Structures	3.1	0.00194	0.00 - 0.00611	2
Asbestos Structures > 5um	1.6	0.000971	0.00 - 0.00460	1
Asbestos Fibers and Bundles > 5um	1.6	0.000971	0.00 - 0.00460	1
PCM Equivalent Fibers-US	1.6	0.000971	0.00 - 0.00460	1
PCM Equivalent Structures-US	1.6	0.000971	0.00 - 0.00460	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL ASB STRUCS >10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00290	0.00 - 0.00290	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00290	0.00 - 0.00290	0
AHERA-like Total Structures 3:1	3.1	0.00194	0.00 - 0.00611	2
AHERA-like Asb Strucs >5 and 3:1	1.6	0.000971	0.00 - 0.00460	1
AHERA-like Asb Strucs 5 - 10 and 3:1	1.6	0.000971	0.00 - 0.00460	1
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00290	0.00 - 0.00290	0
Total Other Amphibole Strucs 3:1	0.0	<0.00290	0.00 - 0.00290	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00290	0.00 - 0.00290	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00290	0.00 - 0.00290	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00290	0.00 - 0.00290	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S110 A1
Client Sample No. JEG-H2-3FD-101004
Description
Analysis Date 11/22/2004
Analyst DW

Volume (L) 1206.06
No. of Grid Openings 22
Filter Area (mm2) 385
Area Analyzed (mm2) 0.319
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	3.1	0.00100	0.00 - 0.00475	1
Total Asbestos Structures	3.1	0.00100	0.00 - 0.00475	1
Asbestos Structures > 5um	0.0	<0.00299	0.00 - 0.00299	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00299	0.00 - 0.00299	0
PCM Equivalent Fibers-US	0.0	<0.00299	0.00 - 0.00299	0
PCM Equivalent Structures-US	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00299	0.00 - 0.00299	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Total Structures 3:1	3.1	0.00100	0.00 - 0.00475	1
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Total Other Amphibole Strucs 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00299	0.00 - 0.00299	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S111 A1
Client Sample No. JEG-H2-4FD-101004
Description
Analysis Date 11/22/2004
Analyst DW

Volume (L) 1186.68
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000973
Dectection Limit. (struc/cc) 0.00291

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	9.0	0.00292	0.00 - 0.00754	3
Total Asbestos Structures	12.0	0.00389	0.00106 - 0.00997	4
Asbestos Structures > 5um	3.0	0.000973	0.00 - 0.00461	1
Asbestos Fibers and Bundles > 5um	3.0	0.000973	0.00 - 0.00461	1
PCM Equivalent Fibers-US	3.0	0.000973	0.00 - 0.00461	1
PCM Equivalent Structures-US	3.0	0.000973	0.00 - 0.00461	1
PROTOCOL ASB STRUCS 5-10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL ASB STRUCS >10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00291	0.00 - 0.00291	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00291	0.00 - 0.00291	0
AHERA-like Total Structures 3:1	9.0	0.00292	0.00 - 0.00754	3
AHERA-like Asb Strucs >5 and 3:1	3.0	0.000973	0.00 - 0.00461	1
AHERA-like Asb Strucs 5 - 10 and 3:1	3.0	0.000973	0.00 - 0.00461	1
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
Total Other Amphibole Strucs 3:1	0.0	<0.00291	0.00 - 0.00291	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00291	0.00 - 0.00291	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00291	0.00 - 0.00291	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S113 A1
Client Sample No. JEP-H2-15FD-101004
Description
Analysis Date 11/22/2004
Analyst TM

Volume (L) 1230
No. of Grid Openings 22
Filter Area (mm2) 385
Area Analyzed (mm2) 0.319
Analytical Sens. (struc/cc) 0.000982
Dectection Limit. (struc/cc) 0.00294

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	3.1	0.000982	0.00 - 0.00465	1
Total Asbestos Structures	3.1	0.000982	0.00 - 0.00465	1
Asbestos Structures > 5um	0.0	<0.00294	0.00 - 0.00294	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00294	0.00 - 0.00294	0
PCM Equivalent Fibers-US	0.0	<0.00294	0.00 - 0.00294	0
PCM Equivalent Structures-US	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL ASB STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00294	0.00 - 0.00294	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00294	0.00 - 0.00294	0
AHERA-like Total Structures 3:1	3.1	0.000982	0.00 - 0.00465	1
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Total Other Amphibole Strucs 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00294	0.00 - 0.00294	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S114 A1
Client Sample No. JEP-H2-1FD-101004
Description
Analysis Date 11/22/2004
Analyst TM

Volume (L) 1222.8
No. of Grid Openings 24
Filter Area (mm2) 385
Area Analyzed (mm2) 0.348
Analytical Sens. (struc/cc) 0.000905
Dectection Limit. (struc/cc) 0.00271

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	0.0	<0.00271	0.00 - 0.00271	0
Total Asbestos Structures	0.0	<0.00271	0.00 - 0.00271	0
Asbestos Structures > 5um	0.0	<0.00271	0.00 - 0.00271	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00271	0.00 - 0.00271	0
PCM Equivalent Fibers-US	0.0	<0.00271	0.00 - 0.00271	0
PCM Equivalent Structures-US	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL ASB STRUCS >10	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00271	0.00 - 0.00271	0
AHERA-like Total Structures 3:1	0.0	<0.00271	0.00 - 0.00271	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00271	0.00 - 0.00271	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00271	0.00 - 0.00271	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00271	0.00 - 0.00271	0
Total Other Amphibole Strucs 3:1	0.0	<0.00271	0.00 - 0.00271	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00271	0.00 - 0.00271	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00271	0.00 - 0.00271	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00271	0.00 - 0.00271	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S115 A1
Client Sample No. JEP-H2-2FD-101004
Description
Analysis Date 11/22/2004
Analyst DW

Volume (L) 1180.8
No. of Grid Openings 24
Filter Area (mm2) 385
Area Analyzed (mm2) 0.348
Analytical Sens. (struc/cc) 0.000938
Dectection Limit. (struc/cc) 0.00280

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	8.6	0.00281	0.00 - 0.00727	3
Total Asbestos Structures	8.6	0.00281	0.00 - 0.00727	3
Asbestos Structures > 5um	8.6	0.00281	0.00 - 0.00727	3
Asbestos Fibers and Bundles > 5um	8.6	0.00281	0.00 - 0.00727	3
PCM Equivalent Fibers-US	8.6	0.00281	0.00 - 0.00727	3
PCM Equivalent Structures-US	8.6	0.00281	0.00 - 0.00727	3
PROTOCOL ASB STRUCS 5-10	0.0	<0.00280	0.00 - 0.00280	0
PROTOCOL ASB STRUCS >10	0.0	<0.00280	0.00 - 0.00280	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00280	0.00 - 0.00280	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00280	0.00 - 0.00280	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00280	0.00 - 0.00280	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00280	0.00 - 0.00280	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00280	0.00 - 0.00280	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00280	0.00 - 0.00280	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00280	0.00 - 0.00280	0
AHERA-like Total Structures 3:1	8.6	0.00281	0.00 - 0.00727	3
AHERA-like Asb Strucs >5 and 3:1	8.6	0.00281	0.00 - 0.00727	3
AHERA-like Asb Strucs 5 - 10 and 3:1	8.6	0.00281	0.00 - 0.00727	3
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00280	0.00 - 0.00280	0
Total Other Amphibole Strucs 3:1	0.0	<0.00280	0.00 - 0.00280	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00280	0.00 - 0.00280	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00280	0.00 - 0.00280	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00280	0.00 - 0.00280	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S116 A1
Client Sample No. JEP-H2-3FD-101004
Description
Analysis Date 11/23/2004
Analyst JH

Volume (L) 1290.6
No. of Grid Openings 21
Filter Area (mm2) 385
Area Analyzed (mm2) 0.304
Analytical Sens. (struc/cc) 0.000980
Dectection Limit. (struc/cc) 0.00293

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	9.9	0.00294	0.00 - 0.00760	3
Total Asbestos Structures	9.9	0.00294	0.00 - 0.00760	3
Asbestos Structures > 5um	6.6	0.00196	0.00 - 0.00618	2
Asbestos Fibers and Bundles > 5um	6.6	0.00196	0.00 - 0.00618	2
PCM Equivalent Fibers-US	6.6	0.00196	0.00 - 0.00618	2
PCM Equivalent Structures-US	6.6	0.00196	0.00 - 0.00618	2
PROTOCOL ASB STRUCS 5-10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL ASB STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00293	0.00 - 0.00293	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00293	0.00 - 0.00293	0
AHERA-like Total Structures 3:1	9.9	0.00294	0.00 - 0.00760	3
AHERA-like Asb Strucs >5 and 3:1	6.6	0.00196	0.00 - 0.00618	2
AHERA-like Asb Strucs 5 - 10 and 3:1	6.6	0.00196	0.00 - 0.00618	2
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00293	0.00 - 0.00293	0
Total Other Amphibole Strucs 3:1	0.0	<0.00293	0.00 - 0.00293	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00293	0.00 - 0.00293	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00293	0.00 - 0.00293	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00293	0.00 - 0.00293	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S117 A1
Client Sample No. JEP-H2-4FD-101004
Description
Analysis Date 11/23/2004
Analyst JH

Volume (L) 1163.52
No. of Grid Openings 23
Filter Area (mm2) 385
Area Analyzed (mm2) 0.333
Analytical Sens. (struc/cc) 0.000993
Dectection Limit. (struc/cc) 0.00297

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	0.0	<0.00297	0.00 - 0.00297	0
Total Asbestos Structures	0.0	<0.00297	0.00 - 0.00297	0
Asbestos Structures > 5um	0.0	<0.00297	0.00 - 0.00297	0
Asbestos Fibers and Bundles > 5um	0.0	<0.00297	0.00 - 0.00297	0
PCM Equivalent Fibers-US	0.0	<0.00297	0.00 - 0.00297	0
PCM Equivalent Structures-US	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00297	0.00 - 0.00297	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Total Structures 3:1	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Asb Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Asb Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Total Other Amphibole Strucs 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00297	0.00 - 0.00297	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S118 A1
Client Sample No. JEP-H2-5FD-101004
Description
Analysis Date 11/23/2004
Analyst DW

Volume (L) 1220.4
No. of Grid Openings 24
Filter Area (mm2) 385
Area Analyzed (mm2) 0.348
Analytical Sens. (struc/cc) 0.000907
Dectection Limit. (struc/cc) 0.00271

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	2.9	0.000907	0.00 - 0.00430	1
Total Asbestos Structures	2.9	0.000907	0.00 - 0.00430	1
Asbestos Structures > 5um	2.9	0.000907	0.00 - 0.00430	1
Asbestos Fibers and Bundles > 5um	0.0	<0.00271	0.00 - 0.00271	0
PCM Equivalent Fibers-US	0.0	<0.00271	0.00 - 0.00271	0
PCM Equivalent Structures-US	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL ASB STRUCS >10	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00271	0.00 - 0.00271	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00271	0.00 - 0.00271	0
AHERA-like Total Structures 3:1	2.9	0.000907	0.00 - 0.00430	1
AHERA-like Asb Strucs >5 and 3:1	2.9	0.000907	0.00 - 0.00430	1
AHERA-like Asb Strucs 5 - 10 and 3:1	2.9	0.000907	0.00 - 0.00430	1
AHERA-like Asb Strucs >10 and 3:1	0.0	<0.00271	0.00 - 0.00271	0
Total Other Amphibole Strucs 3:1	0.0	<0.00271	0.00 - 0.00271	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00271	0.00 - 0.00271	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00271	0.00 - 0.00271	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00271	0.00 - 0.00271	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

ANALYSIS DETAIL

Lab/Cor Sample No. B4773 S119 A1
Client Sample No. JOGB-L2-1NA-100704
Description
Analysis Date 11/23/2004
Analyst DW

Volume (L) 299.64
No. of Grid Openings 90
Filter Area (mm2) 385
Area Analyzed (mm2) 1.30
Analytical Sens. (struc/cc) 0.000985
Dectection Limit. (struc/cc) 0.00295

Structure Type	Filter Density (s/mm2)	Concen-tration (struc/cc)	95% Confidence Interval (struc/cc)	Struc. Count
Primary Asbestos Structures	4.6	0.00591	0.00217 - 0.0129	6
Total Asbestos Structures	6.1	0.00788	0.00340 - 0.0155	8
Asbestos Structures > 5um	2.3	0.00296	0.00 - 0.00764	3
Asbestos Fibers and Bundles > 5um	1.5	0.00197	0.00 - 0.00621	2
PCM Equivalent Fibers-US	0.8	0.000985	0.00 - 0.00467	1
PCM Equivalent Structures-US	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL ASB STRUCS 5-10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL ASB STRUCS >10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL ASB STRUCS TOTAL	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL CHRYS STRUCS 5-10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL CHRYS STRUCS >10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL CHRYS STRUCS TOTAL	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL AMPH STRUCS 5-10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL AMPH STRUCS >10	0.0	<0.00295	0.00 - 0.00295	0
PROTOCOL AMPH STRUCS TOTAL	0.0	<0.00295	0.00 - 0.00295	0
AHERA-like Total Structures 3:1	4.6	0.00591	0.00217 - 0.0129	6
AHERA-like Asb Strucs >5 and 3:1	2.3	0.00296	0.00 - 0.00764	3
AHERA-like Asb Strucs 5 - 10 and 3:1	0.8	0.000985	0.00 - 0.00467	1
AHERA-like Asb Strucs >10 and 3:1	1.5	0.00197	0.00 - 0.00621	2
Total Other Amphibole Strucs 3:1	0.0	<0.00295	0.00 - 0.00295	0
Other Amphibole Strucs >5 and 3:1	0.0	<0.00295	0.00 - 0.00295	0
Other Amphibole Strucs 5 - 10 and 3:1	0.0	<0.00295	0.00 - 0.00295	0
Other Amphibole Strucs >10 and 3:1	0.0	<0.00295	0.00 - 0.00295	0

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC6-H6-1CP-100704 *Lab/Cor Sample No.:* B4773 S1 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B12		NSD									
A	2	C12		NSD									
A	3	C10		NSD									
A	4	C30		NSD									
A	5	A41		NSD									
A	6	A11		NSD									
B	7	B31		NSD									
B	8	B11		NSD									
B	9	C10		NSD									
B	10	C30		NSD									
B	11	A1		NSD									

Sample No.: CC6-H6-2CP-100704 *Lab/Cor Sample No.:* B4773 S2 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B42	AZQ	1	1	F	8.5	1.3	6.5	906	637	Mg, Si, Ca, Fe Actinolite [5 1 4] Zone Axis - JH	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	2	B12		NSD									
A	3	D11		NSD									
A	4	D31		NSD									
A	5	A40		NSD									
A	6	A20		NSD									
B	7	B41		NSD									
B	8	B21	ADQ	2	2	F	4	0.35	11			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	9	C1		NSD									
B	10	D1		NSD									
B	11	D21		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC6-L6-1CA-100704 *Lab/Cor Sample No.:* B4773 S3 A1

Descripiton:

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	C23		NSD									
A	5	C43		NSD									
A	6	A21		NSD									
A	7	A1											
A	8	D									39	Mg, Al, Si, Ca, Fe Actinolite [5 1 4] Zone - JH	TAS_AHRA
A	9	D2										Tremolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	9	D2									40	Mg, Al, Si, Ca, Fe Tremolite [7 3 4] Zone - JH	AFB>5, PCMEF-US
A	10	A32		NSD									
A	11	A22		NSD									
A	12	A2		NSD									
A	13	D2		NSD									
A	14	D12		NSD									
A	15	D22	ADQ	3		MD1-1	11.5	7	1.6			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	15	D22	ADQ		3	MF	7	0.8	8.8			Actinolite	AFB>5, PCMEF-US
B	16	B44		NSD									
B	17	B24		NSD									
B	18	B4	ADQ	4	4	F	5.8	0.7	8.3			Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	19	C14		NSD									
B	20	B43		NSD									
B	21	B33		NSD									
B	22	B23		NSD									
B	23	B13		NSD									
B	24	B3	ADQ	5	5	F	2	0.35	5.7			Tremolite	TAS_AHRA
B	25	B42	CDQ	6	6	F	1	0.05	20	909	641	Mg, Si Chrysotile Verified - JH	TAS_AHRA
B	26	B32		NSD									
B	27	B22		NSD									
B	28	B12		NSD									
B	29	B31		NSD									

Might be 7/6 →

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC6-L6-1CA-100704 *Lab/Cor Sample No.:* B4773 S3 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	30	B21		NSD									

Sample No.: CPS-H2-1FD-100704 *Lab/Cor Sample No.:* B4773 S7 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A43		NSD									
A	2	A23		NSD									
A	3	A3		NSD									
A	4	D23		NSD									
A	5	D40		NSD									
A	6	D10		NSD									
A	7	A20		NSD									
A	8	B31		NSD									
A	9	B11		NSD									
A	10	C1	AZQ	1	1	F	13	1.4	9.3	931	675	Mg, Al, Si, Ca, Fe Actinolite [2 0 1] Zone - JH	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	11	C31		NSD									
A	12	C33		NSD									
B	13	B43		NSD									
B	14	B13		NSD									
B	15	C13		NSD									
B	16	C42		NSD									
B	17	D41		NSD									
B	18	D11		NSD									
B	19	A11		NSD									
B	20	A31		NSD									
B	21	A23		NSD									
B	22	A3		NSD									
B	23	A1		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-H2-1ZB-100704 *Lab/Cor Sample No.:* B4773 S8 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A43		NSD									
A	2	A13		NSD									
A	3	D13		NSD									
A	4	D31		NSD									
A	5	D1		NSD									
A	6	A40		NSD									
A	7	B41		NSD									
A	8	B21		NSD									
A	9	C21		NSD									
A	10	C41		NSD									
A	11	C33		NSD									
A	12	B13		NSD									
A	13	B43		NSD									
B	14	A44		NSD									
B	15	A14		NSD									
B	16	D14		NSD									
B	17	D41		NSD									
B	18	D11		NSD									
B	19	A11		NSD									
B	20	B31		NSD									
B	21	B1		NSD									
B	22	C21		NSD									
B	23	C42		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-H2-2FD-100704 *Lab/Cor Sample No.:* B4773 S9 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A43		NSD									
A	2	A23		NSD									
A	3	D23		NSD									
A	4	D43		NSD									
A	5	D30		NSD									
A	6	A20		NSD									
A	7	B41		NSD									
A	8	B11		NSD									
A	9	C11		NSD									
A	10	C41	AZQ	1	1	F	16	2	8.0	932	676	Mg, Al, Si, Ca, Fe Actinolite [4 1 1] Zone - JH	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	11	C43		NSD									
A	12	C13		NSD									
A	13	B3	ADQ	2	2	F	6	0.6	10			Na, Mg, Al, Si, Ca, Fe Actinolite Alumino-actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	14	A44		NSD									
B	15	A14		NSD									
B	16	D2		NSD									
B	17	D30		NSD									
B	18	C41		NSD									
B	19	C43		NSD									
B	20	C13		NSD									
B	21	B3		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-H2-4FD-100704 *Lab/Cor Sample No.:* B4773 S10 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A43		NSD									
A	2	A13		NSD									
A	3	D3	AZQ	1	1	F	1.5	0.3	5.0	933	678	Mg, Al, Si, Ca, Fe Actinolite [9 1 0] Zone - JH	TAS_AHRA
A	4	D33	AQ	2	2	F	2.8	0.6	4.7			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	5	D41		NSD									
A	6	D11		NSD									
A	7	A21		NSD									
A	8	B40		NSD									
A	9	B10		NSD									
A	10	C20		NSD									
A	11	C42		NSD									
A	12	C12		NSD									
B	13	A43	CDQ	3		MD1-0	5.2	2	2.6			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	13	A43	CDQ		3	MB	2.5	0.15	17	934	679	Mg, Si Chrysotile Verified - JH	
B	14	A13	AQ	4	4	F	9.5	1.8	5.3			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	14	A13	AQ	5	5	B	2.5	0.7	3.6			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	15	D3		NSD									
B	16	D33		NSD									
B	17	D40		NSD									
B	18	D10	AQ	6	6	F	13	2	6.5			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	19	A20		NSD									
B	20	B31		NSD									
B	21	C1		NSD									
B	22	C30		NSD									
B	23	C32	AQ	7	7	F	2.6	0.5	5.2			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-15CH-100704 *Lab/Cor Sample No.:* B4773 S11 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	C4		NSD									
A	2	C24		NSD									
A	3	C44		NSD									
A	4	B3		NSD									
A	5	C13	AZQ	1	1	F	16.5	1.75	9.4	5329	15239	Mg, Si, Ca, Fe Actinolite Zone Axis [5 1 0] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	6	C33	ADQ	2		MD1-1	8	7.5	1.1			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	6	C33	ADQ		2	MF	8	0.75	11			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	7	B12	AQ	3		MD1-1	8.5	6.5	1.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	7	B12	AQ		3	MB	8.5	2	4.2			Mg, Si, Ca, Fe Actinolite	PCMEF-US
A	8	C2		NSD									
A	9	C22		NSD									
A	10	C42		NSD									
A	11	B21		NSD									
A	12	B1		NSD									
A	13	C11		NSD									
A	14	C31		NSD									
A	15	B30		NSD									
A	16	B10		NSD									
A	17	C10		NSD									
A	18	C30	AQ	4	4	F	8	2	4.0			Mg,Si,Ca,Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	19	A30	CDQ	5	5	B	0.8	0.15	5.3	5330	15234	Mg, Si Chrysotile Verified - KM	TAS_AHRA
A	20	A10		NSD									
A	21	D10		NSD									
A	22	D30		NSD									
A	23	A31		NSD									
A	24	A11		NSD									
A	25	D1		NSD									
A	26	D21	ADQ	6	6	F	2.1	0.2	10			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	27	D41		NSD									
A	28	A42	ADQ	7	7	F	1.05	0.25	4.2			Mg, Si, Ca, Fe Actinolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-15CH-100704 *Lab/Cor Sample No.:* B4773 S11 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	28	A42	CD	8	8	F	0.75	0.05	15			Chrysotile	TAS_AHRA
A	29	A22		NSD									
B	30	B44		NSD									
B	31	B24		NSD									
B	32	C4		NSD									
B	33	C34		NSD									
B	34	B33		NSD									
B	35	B13		NSD									
B	36	C3		NSD									
B	37	C33		NSD									
B	38	A12		NSD									
B	39	D2		NSD									
B	40	D22		NSD									
B	41	D30		NSD									
B	42	D20		NSD									
B	43	A10		NSD									
B	44	A30		NSD									
B	45	A40		NSD									
B	46	B41		NSD									
B	47	B21		NSD									
B	48	B1		NSD									
B	49	C21	CDQ	9	9	F	2.5	0.09	28			Mg, Si Chrysotile	TAS_AHRA
B	50	C41	CDQ	10	10	F	1.2	0.09	13			Mg, Si Chrysotile	TAS_AHRA
B	51	C43	ADQ	11	11	F	7.5	1.2	6.2		15239	Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	52	C23		NSD									
B	53	B34		NSD									
B	54	B23		NSD									
B	55	B22	ADQ	12		MD1-0	13.5	10	1.4			Mg, Si, Ca, Fe Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	55	B22	ADQ		12	MF	3	0.3	10			Actinolite	
B	56	B12		NSD									
B	57	B2	ADQ	13	13	F	5.25	1.2	4.4			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-15CH-100704 *Lab/Cor Sample No.:* B4773 S11 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	58	C32		NSD									
C	59	B44		NSD									
C	60	B14		NSD									
C	61	C4		NSD									
C	62	C13	CMQ	14	14	B	5.1	0.3	17			Mg, Si, Fe Chrysotile	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	62	C13	ADQ	15	15	F	19	1.5	13			Mg,Si,Ca,Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	63	B3	ADQ	16	16	F	30	1.75	17			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	64	B33		NSD									
C	65	B42	ADQ	17	17	F	13.5	2.75	4.9			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	66	B2		NSD									
C	67	C12		NSD									
C	68	C21		NSD									
C	69	B1		NSD									
C	70	B31	ADQ	18	18	F	18	3	6.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	71	B20		NSD									
C	72	C20		NSD									
C	73	D30		NSD									
C	74	A20		NSD									
C	75	A41		NSD									
C	76	A21		NSD									
C	77	D21		NSD									
C	78	D41		NSD									
C	79	D42		NSD									
C	80	D22		NSD									
C	81	A12	ADQ	19	19	F	1.75	0.25	7.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	82	A41	ADQ	20	20	F	0.6	0.15	4.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-15CH-100704 *Lab/Cor Sample No.:* B4773 S11 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	82	A41	ADQ	21	21	F	16	4.5	3.6			Mg, Si, Ca, Fe Actinolite Ferri-actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	83	B43		NSD									
C	84	B32		NSD									
C	85	B30	CD	22		MD1-0	11	9	1.2			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	85	B30	CD		22	MF	0.6	0.05	12			Chrysotile Rotates behind matrix, no EDS	
C	86	A22	ADQ	23		MD1-0	14	8.5	1.6			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	86	A22	ADQ		23	MF	2.5	0.25	10			Mg, Si, Ca, FE Actinolite	
C	86	A22	ADQ	24	24	F	16	2.5	6.4			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	87	B13	ADQ	25		MD1-1	13	10	1.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	87	B13	ADQ		25	MF	10.5	2.25	4.7			Mg,Si,Ca,Fe Actinolite	AFB>5, PCMEF-US

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-1CH-100704 *Lab/Cor Sample No.:* B4773 S12 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44	AZQ	1	1	F	3.5	0.5	7.0	910	642	Mg, Si, Ca, Fe Actinolite Zone Axis [3 1 2] - KM	TAS_AHRA
A	2	B24		NSD									
A	3	B14	ADQ	2	2	F	10	3	3.3			Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	4	C14		NSD									
A	5	C34		NSD									
A	6	B33		NSD									
A	7	B13		NSD									
A	8	C13		NSD									
A	9	C23		NSD									
A	10	C43		NSD									
A	11	B42		NSD									
A	12	B22		NSD									
A	13	B2		NSD									
A	14	C2		NSD									
A	15	C32		NSD									
A	16	B41	ADQ	3	3	F	2.2	0.5	4.4			Actinolite	TAS_AHRA
A	17	B31		NSD									
A	18	B21	ADQ	4	4	F	8.5	0.8	11			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	19	B11	ADQ	5		MD1-1	22	10	2.2			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	19	B11	ADQ		5	MF	12.5	1.5	8.3			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	20	C41		NSD									
A	21	C40		NSD									
A	22	B40		NSD									
A	23	B20		NSD									
A	24	A30	ADQ	6	6	F	20	4.5	4.4			Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	25	A10	ADQ	7	7	F	12	1	12			Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	26	A41		NSD									
A	27	A31		NSD									
A	28	A21		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-1CH-100704 *Lab/Cor Sample No.:* B4773 S12 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	29	A11		NSD									
A	30	A1		NSD									
B	31	A41		NSD									
B	32	A31		NSD									
B	33	A21		NSD									
B	34	A11	ADQ	8	8	F	7.5	2	3.8	919	651	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 0 1] KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	35	A1		NSD									
B	36	D1		NSD									
B	37	D21	AQ	9		MD1-1	6.5	4	1.6			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	37	D21	AQ		9	MF	6.5	0.85	7.6			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
B	38	D31	AQ	10		MD1-1	15	7.5	2.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	38	D31	AQ		10	MF	9	1.2	7.5			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
B	39	D41	AQ	11		MD1-1	7	5	1.4			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	39	D41	AQ		11	MF	6	1	6.0			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
B	40	D40	AQ	12	12	F	6	1.35	4.4			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	41	D20		NSD									
B	42	D10		NSD									
B	43	A20		NSD									
B	44	A30		NSD									
B	45	A40		NSD									
B	46	B30	AQ	13		MD1-1	10	10	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	46	B30	AQ		13	MF	10	1.45	6.9			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
B	47	B20		NSD									
B	48	B10	AQ	14		MD1-1	17	7.5	2.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	48	B10	AQ		14	MF	17	4	4.2			Mg, Al, Si, Ca, Fe Actinolite	AFB>5
B	49	C10		NSD									
B	50	C20		NSD									
B	51	C30	AQ	15		MD1-1	20	15	1.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-1CH-100704 *Lab/Cor Sample No.:* B4773 S12 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	51	C30	AQ		15	MF	20	2.75	7.3			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
B	52	C40		NSD									
B	53	C41		NSD									
B	54	C31		NSD									
B	55	C21		NSD									
B	56	C11		NSD									
B	57	C1		NSD									
B	58	B21		NSD									
B	59	B31		NSD									
B	60	B32		NSD									
B	61	B22	AQ	16	16	F	5	0.8	6.2			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	62	B12		NSD									
B	63	C2	AQ	17	17	F1-1	15	10	1.5			Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	63	C2	AQ	18	18	F1-1	12	4	3.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	64	C12	AQ	19		MD1-1	45	15	3.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	64	C12	AQ		19	MF	15	1.75	8.6			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
B	65	C22		NSD									
B	66	C32		NSD									
B	67	C42		NSD									
B	68	C33	AQ	20	20	F	9	0.85	11			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	69	C23		NSD									
B	70	C13		NSD									
C	71	C4		NSD									
C	72	C14		NSD									
C	73	B3		NSD									
C	74	B23		NSD									
C	75	B32		NSD									
C	76	B22		NSD									
C	77	B12		NSD									
C	78	B2	AX	21		MD1-1	25	15	1.7			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-1CH-100704 *Lab/Cor Sample No.:* B4773 S12 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	78	B2	AX		21	MF	6	1	6.0			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	79	B1		NSD									
C	80	B11		NSD									
C	81	B10	AQ	22		MD1-1	12	10	1.2			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	81	B10	AQ		22	MF	5.5	0.9	6.1			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	81	B10	AQ	23		MD1-1	7.5	7.5	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	81	B10	AQ		23	MF	5.2	0.75	6.9			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	82	B20		NSD									
C	83	B30		NSD									
C	84	B40		NSD									
C	85	A40		NSD									
C	86	A30		NSD									
C	87	A20		NSD									
C	88	A10		NSD									
C	89	A1		NSD									
C	90	A11		NSD									
C	91	A21	AQ	24	24	F	5.5	0.75	7.3			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-1NA-100704 *Lab/Cor Sample No.:* B4773 S13 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B34		NSD									
A	2	B14		NSD									
A	3	B4		NSD									
A	4	C4		NSD									
A	5	B43		NSD									
A	6	B33		NSD									
A	7	B23	ADQ	1	1	F	3	0.7	4.3	920	652	Mg, Si, Ca, Fe Actinolite Zone Axis [3 -1 3] - KM	TAS_AHRA
A	8	C3		NSD									
A	9	C23		NSD									
A	10	B42		NSD									
A	11	B22		NSD									
A	12	B2		NSD									
A	13	C12		NSD									
A	14	C22		NSD									
A	15	B41		NSD									
A	16	B31		NSD									
A	17	B11		NSD									
A	18	C1		NSD									
A	19	C21	AQ	2		MD1-1	8.9	7	1.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	19	C21	AQ		2	MF	5.2	0.8	6.5			Na, Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	20	A21		NSD									
A	21	D1		NSD									
A	22	D11		NSD									
A	23	D21		NSD									
A	24	D31		NSD									
A	25	D41		NSD									
A	26	A2		NSD									
A	27	D2		NSD									
A	28	D22		NSD									
A	29	D42		NSD									
B	30	B34		NSD									
B	31	B24		NSD									
B	32	B4		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-1NA-100704 *Lab/Cor Sample No.:* B4773 S13 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	33	C34		NSD									
B	34	C44	AQ	3	3	F	12	1.2	10			Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	35	C23		NSD									
B	36	C33		NSD									
B	37	C43		NSD									
B	38	C2		NSD									
B	39	C12		NSD									
B	40	C22		NSD									
B	41	C32		NSD									
B	42	C42		NSD									
B	43	B11		NSD									
B	44	B1		NSD									
B	45	C1		NSD									
B	46	C21		NSD									
B	47	C41		NSD									
B	48	A11		NSD									
B	49	A1		NSD									
B	50	D1		NSD									
B	51	D11		NSD									
B	52	D21		NSD									
B	53	A12		NSD									
B	54	A2		NSD									
B	55	D2		NSD									
B	56	D12		NSD									
B	57	D22		NSD									
B	58	D43		NSD									
C	59	B34		NSD									
C	60	B14		NSD									
C	61	C4		NSD									
C	62	C22		NSD									
C	63	B43		NSD									
C	64	B23		NSD									
C	65	B3		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-1NA-100704 *Lab/Cor Sample No.:* B4773 S13 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	66	C13		NSD									
C	67	C23		NSD									
C	68	B42		NSD									
C	69	B22		NSD									
C	70	B2		NSD									
C	71	C12		NSD									
C	72	C32		NSD									
C	73	B31		NSD									
C	74	B11		NSD									
C	75	C1		NSD									
C	76	C21		NSD									
C	77	C41		NSD									
C	78	A31		NSD									
C	79	A11		NSD									
C	80	D1		NSD									
C	81	D21		NSD									
C	82	D41		NSD									
C	83	A42		NSD									
C	84	A22		NSD									
C	85	A2		NSD									
C	86	D12		NSD									
C	87	D32		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-2CH-100704 *Lab/Cor Sample No.:* B4773 S14 A1

Descripiton:

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		NSD									
A	4	C14		NSD									
A	5	C34		NSD									
A	6	B33		NSD									
A	7	C3		NSD									
A	8	C33	AZQ	1		MD1-1	7.5	4	1.9	922	653	Mg, Si, Ca, Fe Actinolite Zone Axis [3 2 5] - KM	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	8	C33	AZQ		1	MF	5.5	0.7	7.9			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	8	C43	CDQ	2	2	F	1.5	0.1	15	923	654	Mg, Si Chrysotile Verified - JH	TAS_AHRA
A	9	C23		NSD									
A	10	B32		NSD									
A	11	B22		NSD									
A	12	B12		NSD									
A	13	B31		NSD									
A	14	B11		NSD									
A	15	C1		NSD									
A	16	C11		NSD									
A	17	B30	AQ	3	3	F	8.5	0.7	12			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	18	C10		NSD									
A	19	C40		NSD									
A	20	A31		NSD									
A	21	A21		NSD									
A	22	A1		NSD									
A	23	D11		NSD									
A	24	D31		NSD									
A	25	D42		NSD									
A	26	D23	ADQ	4	4	F	11	0.7	16			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	27	D3		NSD									
A	28	A13		NSD									
A	29	A23		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-2CH-100704 *Lab/Cor Sample No.:* B4773 S14 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	30	A43		NSD									
B	31	A33		NSD									
B	32	A13		NSD									
B	33	D3		NSD									
B	34	D23		NSD									
B	35	D43		NSD									
B	36	D40		NSD									
B	37	D20		NSD									
B	38	D10		NSD									
B	39	A10		NSD									
B	40	A30		NSD									
B	41	B31		NSD									
B	42	B11		NSD									
B	43	C1		NSD									
B	44	C21		NSD									
B	45	C41		NSD									
B	46	C12		NSD									
B	47	B2		NSD									
B	48	B22		NSD									
B	49	B42		NSD									
B	50	B34		NSD									
B	51	B14		NSD									
B	52	C4		NSD									
B	53	C24		NSD									
B	54	C13		NSD									
B	55	C11		NSD									
B	56	D11		NSD									
B	57	D13		NSD									
B	58	D14		NSD									
B	59	A4		NSD									
B	60	A2		NSD									
C	61	A43		NSD									
C	62	A23		NSD									
C	63	A3		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-2CH-100704 *Lab/Cor Sample No.:* B4773 S14 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	64	D13		NSD									
C	65	D33	ADQ	5	5	F	4.8	0.6	8.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	66	D40	ADQ	6	6	F	10	3	3.3			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	67	D30	ADQ	7	7	F	2.6	0.4	6.5		658	Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	68	D10		NSD									
C	69	A10		NSD									
C	70	A30		NSD									
C	71	A40		NSD									
C	72	B41		NSD									
C	73	B21		NSD									
C	74	B1		NSD									
C	75	C11		NSD									
C	76	C31		NSD									
C	77	C23		NSD									
C	78	C3		NSD									
C	79	B13		NSD									
C	80	B33		NSD									
C	81	B43		NSD									
C	82	B34		NSD									
C	83	B14		NSD									
C	84	C4		NSD									
C	85	C14		NSD									
C	86	C12		NSD									
C	87	C10		NSD									
C	88	D12		NSD									
C	89	A2		NSD									
C	90	B2		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-3CH-100704 *Lab/Cor Sample No.:* B4773 S15 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44		NSD									
A	2	B14		NSD									
A	3	C4	CMQ	1	1	B	26.5	5.4	4.9	5333	15241	Mg, Si, Fe Chrysotile No diffraction	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	4	C24		NSD									
A	5	C44		NSD									
A	6	C43		NSD									
A	7	C13		NSD									
A	8	B3	AZQ	2	2	F	28	2.75	10	5334	15242	Mg, Si, Ca, Fe Actinolite Zone Axis [1 0 0] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	9	B23		NSD									
A	10	B43	CDQ	3	3	F	1.25	0.1	12			Mg, Si Chrysotile	TAS_AHRA
A	11	B42		NSD									
A	12	B22		NSD									
A	13	C2	ADQ	4	4	F	2.75	0.475	5.8			Actinolite	TAS_AHRA
A	14	C22		NSD									
A	15	C42	AZQ	5	5	F	1.5	0.3	5.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	16	C41		NSD									
A	17	C11		NSD									
A	18	B1		NSD									
A	19	B21		NSD									
A	20	B21		NSD									
A	21	B41		NSD									
A	22	B40		NSD									
A	23	B20	ADQ	6		MD1-0	4.25	2	2.1			Actinolite	TAS_AHRA
A	23	B20	ADQ		6	MF	1.5	0.2	7.5			Mg, Al, Si, Ca, Fe Actinolite	
A	24	C10		NSD									
A	25	C40		NSD									
A	26	D20		NSD									
A	27	A10	CMQ	7	7	F	2	0.05	40			Mg, Si Chrysotile	TAS_AHRA
A	28	A30		NSD									
A	29	A41	ADQ	8	8	F	8.5	2.5	3.4			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	30	A11		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-3CH-100704 *Lab/Cor Sample No.:* B4773 S15 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	31	B44	CDQ	9		MD1-0	2.75	1.75	1.6			Chrysotile	TAS_AHRA
B	31	B44	CDQ		9	MF	1	0.05	20			Mg, Si Chrysotile	
B	32	B24		NSD									
B	33	B4		NSD									
B	34	C14	CM	10	10	F	1	0.05	20			Chrysotile	TAS_AHRA
B	35	C33		NSD									
B	36	C13		NSD									
B	37	B3		NSD									
B	38	B23		NSD									
B	39	B43	ADQ	11	11	F	2.25	0.7	3.2			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	40	B42		NSD									
B	41	B22		NSD									
B	42	B2		NSD									
B	43	C12		NSD									
B	44	C42		NSD									
B	45	C41		NSD									
B	46	C21		NSD									
B	47	C1		NSD									
B	48	B11	CDQ	12	12	F	2.25	0.1	22			Mg, Si Chrysotile	TAS_AHRA
B	49	B31		NSD									
B	50	A40		NSD									
B	51	A20		NSD									
B	52	B40		NSD									
B	53	B20	ADQ	13	13	F	2	0.3	6.7			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	54	C10		NSD									
B	55	C30		NSD									
B	56	D10		NSD									
B	57	D30		NSD									
B	58	D41	ADQ	14	14	F	5.7	1.1	5.2			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	59	D21		NSD									
B	60	D1		NSD									
C	61	B44		NSD									
C	62	B24	ADQ	15	15	F	2	0.2	10			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA

Lab/Cor, Inc.

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Report # 041191R6

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Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-3CH-100704 *Lab/Cor Sample No.:* B4773 S15 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	62	B24	CD	16		MD1-0	9	6.5	1.4			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	62	B24	CD		16	MF	2.4	0.05	48			Chrysotile	
C	62	B24	CDQ	17	17	B	3.2	0.45	7.1			Mg, Si Chrysotile	TAS_AHRA
C	63	B4		NSD									
C	64	C14		NSD									
C	65	C34	ADQ	18		MD1-1	15	10	1.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	65	C34	ADQ		18	MF	5.75	1.2	4.8			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	66	C43	ADQ	19	19	F	13	2.7	4.8			Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	66	C43	CDQ	20	20	B	2.75	0.25	11	939	685	Mg, Si Chrysotile Verified - KM	TAS_AHRA
C	67	C23		NSD									
C	68	C13		NSD									
C	69	C12		NSD									
C	70	C32		NSD									
C	71	C31		NSD									
C	72	C11		NSD									
C	73	B31		NSD									
C	74	B40	AQ	21	21	F	3.2	0.85	3.8			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	75	B20		NSD									
C	76	D40		NSD									
C	77	D20	ADQ	22	22	F	4.5	1.5	3.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	78	A10		NSD									
C	79			NSD									
C	80	A41	ADQ	23	23	F	11.3	1.4	8.1			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	81	A21		NSD									
C	82	A1		NSD									
C	83	D11		NSD									
C	84	D31	ADQ	24		MD1-0	23	8	2.9			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	84	D31	ADQ		24	MF	4.5	0.2	22			Mg, Al, Si, Ca, Fe Actinolite	
C	85	D22		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-3CH-100704 *Lab/Cor Sample No.:* B4773 S15 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	86	D12		NSD									
C	87	D2		NSD									
C	88	A2		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-4CH-100704 *Lab/Cor Sample No.:* B4773 S16 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A43		NSD									
A	2	A23	AZQ	1	1	F	40	5	8.0	924	659	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [2 0 -3] - KM	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	3	A3		NSD									
A	4	D33		NSD									
A	5	D43		NSD									
A	6	D41		NSD									
A	7	D21		NSD									
A	8	D1		NSD									
A	9	A11		NSD									
A	10	A31		NSD									
A	11	A41		NSD									
A	12	B40	AQ	2	2	F	10	2.2	4.5			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	13	B20		NSD									
A	14	C10	AQ	3	3	F	15	1.2	12			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	15	C30		NSD									
A	16	C40		NSD									
A	17	C42		NSD									
A	18	C22		NSD									
A	19	C2		NSD									
A	20	B12		NSD									
A	21	B32		NSD									
B	22	B44		NSD									
B	23	B24		NSD									
B	24	B4		NSD									
B	25	C34		NSD									
B	26	C42	AQ	4	4	F	12.5	1.5	8.3			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	27	C22	AQ	5	5	F	11	1.5	7.3			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	28	C2		NSD									
B	29	B2		NSD									

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Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-4CH-100704 *Lab/Cor Sample No.:* B4773 S16 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	30	B40		NSD									
B	31	B20		NSD									
B	32	B10		NSD									
B	33	C10		NSD									
B	34	C30		NSD									
B	35	C40	AQ	6	6	F	2.7	0.4	6.8			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	36	D41		NSD									
B	37	D21		NSD									
B	38	D1		NSD									
B	39	A11		NSD									
B	40	A31		NSD									
B	41	A41		NSD									
B	42	A43		NSD									
B	43	A23		NSD									
B	44	A3	AQ	7	7	F	4	0.9	4.4			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	45	D13		NSD									
B	46	D33		NSD									
B	47	D43		NSD									
B	48	D44		NSD									
B	49	D34		NSD									
B	50	D14		NSD									
B	51	A4	AQ	8		MD1-1	25	12	2.1			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	51	A4	AQ		8	MF	21	2.2	9.5			Actinolite	AFB>5, PCMEF-US
B	52	A24	AQ	9	9	F						Actinolite	TAS_AHRA
B	53	A34		NSD									
B	54	A13		NSD									
B	55	D12		NSD									
B	56	D11		NSD									
B	57	D10		NSD									
B	58	C11		NSD									
B	59	C12		NSD									
B	60	C32		NSD									
C	61	B14		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-4CH-100704 *Lab/Cor Sample No.:* B4773 S16 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	62	B4		NSD									
C	63	C4		NSD									
C	64	C44		NSD									
C	65	B3		NSD									
C	66	C3		NSD									
C	67	C13		NSD									
C	68	C23		NSD									
C	69	B13	AQ	10	10	F	1.5	0.35	4.3			Actinolite	TAS_AHRA
C	70	B12		NSD									
C	71	B2		NSD									
C	72	C2		NSD									
C	73	C12	AQ	11	11	F	2.5	0.6	4.2			Actinolite	TAS_AHRA
C	74	C22		NSD									
C	75	B11		NSD									
C	76	B1		NSD									
C	77	C1		NSD									
C	78	C11		NSD									
C	79	C21		NSD									
C	80	A21		NSD									
C	81	D1		NSD									
C	82	D11		NSD									
C	83	D21		NSD									
C	84	D31		NSD									
C	85	D12		NSD									
C	86	D22		NSD									
C	87	D32		NSD									
C	88	D42		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-5CH-100704 *Lab/Cor Sample No.:* B4773 S17 A1

Descripiton:

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	ADQ	1	1	F	2	0.35	5.7		668	Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	4	C14		NSD									
A	5	C34		NSD									
A	6	B33		NSD									
A	7	B13		NSD									
A	8	C3		NSD									
A	9	C23		NSD									
A	10	C43		NSD									
A	11	B42		NSD									
A	12	B22		NSD									
A	13	B2		NSD									
A	14	C12		NSD									
A	15	C32		NSD									
A	16	B41		NSD									
A	17	B31		NSD									
A	18	B1		NSD									
A	19	C11		NSD									
A	20	C31		NSD									
A	21	D10		NSD									
A	22	D20	AQ	2		MD1-0	6.5	4	1.6			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	22	D20	AQ		2	MF	1.8	0.35	5.1			Mg, Si, Ca, Fe Actinolite	
A	23	D30	AZQ	3	3	F	4.5	1.5	3.0	926	669	Mg,Si, Ca, Fe Tremolite Zone Axis [4 -3 0] - KM	TAS_AHRA
A	23	D30	AQ	4	4	F	16	1.5	11			Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	24	D40		NSD									
A	25	B40		NSD									
A	26	A30	AQ	5	5	F	2.9	0.7	4.1			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	27	A20		NSD									
A	28	D10		NSD									
B	29	B14		NSD									
B	30	C4		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-5CH-100704 *Lab/Cor Sample No.:* B4773 S17 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	31	C24		NSD									
B	32	C44		NSD									
B	33	B43	AQ	6	6	F	14	3.5	4.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	34	B13		NSD									
B	35	C3	AZQ	7		MD1-0	4	3.8	1.1			Actinolite	TAS_AHRA
B	35	C3	AZQ		7	MF	2.5	0.2	12	5349	15252	Mg, Si, Ca, Fe Actinolite Zone Axis [2 0 3] KM	
B	36	C23		NSD									
B	37	C43		NSD									
B	38	B42		NSD									
B	39	B22		NSD									
B	40	B2		NSD									
B	41	C12		NSD									
B	42	C32		NSD									
B	43	B31		NSD									
B	44	B11		NSD									
B	45	C1		NSD									
B	46	C21		NSD									
B	47	C41	ADQ	8	8	F	5.2	0.6	8.7			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	48	A41		NSD									
B	49	A21		NSD									
B	50	A1		NSD									
B	51	D11		NSD									
B	52	D31		NSD									
B	53	A32	AQ	9	9	F	14	2	7.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	53	A32	AQ	10	10	F	13	1.8	7.2			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	54	A12		NSD									
B	55	D2		NSD									
B	56	D22		NSD									
B	57	A40		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-5CH-100704 *Lab/Cor Sample No.:* B4773 S17 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	58	A10		NSD									
C	59	B44		NSD									
C	60	B24		NSD									
C	61	B4		NSD									
C	62	C14	ADQ	11	11	F	3.8	0.8	4.8			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	63	C24	AD	12	12	F	8	0.8	10			Actinolite tilts into grid bar	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	64	B13		NSD									
C	65	C3		NSD									
C	66	C13		NSD									
C	67	C23		NSD									
C	68	B32		NSD									
C	69	B12		NSD									
C	70	C2	AQ	13	13	F	10	2	5.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	71	C22		NSD									
C	72	C32		NSD									
C	73	B22		NSD									
C	74	B12	AQ	14	14	F	16	2	8.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	75	B2		NSD									
C	76	C12		NSD									
C	77	C32		NSD									
C	78	C42		NSD									
C	79	A41		NSD									
C	80	A31		NSD									
C	81	A11	AQ	15		MD1-1	18	8	2.2			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	81	A11	AQ		15	MF	9	1.3	6.9			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	82	A1		NSD									
C	83	D11		NSD									
C	84	D31		NSD									
C	85	A32		NSD									
C	86	A2		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-5CH-100704 *Lab/Cor Sample No.:* B4773 S17 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	87	D2		NSD									
C	88	D22		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-12AD-100704 *Lab/Cor Sample No.:* B4773 S18 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44	AQ	1		MD1-1	17	5.5	3.1			Mg, Al, Si, Ca, Fe Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	1	B44	AQ		1	MF	17	2.5	6.8			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	2	B34	AZQ	2	2	F	2.5	0.5	5.0	5338	670	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [5 1 4] - KM	TAS_AHRA
A	2	B34	AQ	3		MD1-1	13	7.5	1.7			Mg, Al, Si, Ca, Fe Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	2	B34	AQ		3	MF	13	1.2	11			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	3	B24		NSD									
A	4	B14	AQ	4	4	F	6	1.5	4.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	5	B4		NSD									
A	6	C4		NSD									
A	7	C24	AQ	5		MD1-1	12	12	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	7	C24	AQ		5	MF	12	2.5	4.8			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	8	C34		NSD									
A	9	C44	AQ	6		MD1-1	20	17	1.2			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	9	C44	AQ		6	MF	10	2	5.0			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	9	C44	AQ	7	7	F	7	0.6	12			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	10	C43		NSD									
A	11	C23		NSD									
A	12	C13		NSD									
A	13	C3		NSD									
A	14	B3	AQ	8		MD1-0	6	5	1.2			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	14	B3	AQ		8	MF	2	0.2	10			Mg, Al, Si, Ca, Fe Actinolite	
A	15	B13		NSD									
A	16	B23	AQ	9		MD1-1	10	6	1.7			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	16	B23	AQ		9	MF	10	2.5	4.0			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	17	B43	AQ	10		MD1-1	10	10	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	17	B43	AQ		10	MF	6.5	1	6.5			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	18	B33		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-12AD-100704 *Lab/Cor Sample No.:* B4773 S18 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	19	B42		NSD									
A	20	B32		NSD									
A	21	B22	AQ	11		MD1-0	10	4	2.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	21	B22	AQ		11	MF	5	1	5.0			Mg, Al, Si, Ca, Fe Actinolite	
A	21	B22	AQ	12	12	F	7.5	0.85	8.8			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	21	B22	AQ	13		MD1-1	17	10	1.7			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	21	B22	AQ		13	MF	7.5	1.5	5.0			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	22	B12		NSD									
A	23	B2		NSD									
A	24	C2		NSD									
A	25	C12		NSD									
A	26	C22		NSD									
A	27	C32	AQ	14		MD1-1	15	10	1.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	27	C32	AQ		14	MF	11	1	11			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	28	C31	AQ	15		MD1-0	10	7.5	1.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	28	C31	AQ		15	MF	2.75	0.15	18			Mg, Si, Ca, Fe Actinolite	
B	29	C14		NSD									
B	30	C24	AQ	16	16	F	5	0.6	8.3			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	31	C34	AQ	17	17	F	10	2	5.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	32	C44		NSD									
B	33	C3		NSD									
B	34	C13	AZQ	18		MD1-0	6	4.5	1.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	34	C13	AZQ		18	MF	1.5	0.4	3.8	928	671	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [3 2 5] - KM	
B	35	C23		NSD									
B	36	C33		NSD									
B	37	C43	AZQ	19		MD1-0	12	10	1.2			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	37	C43	AZQ		19	MF	4.5	0.8	5.6	940	672	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [4 1 2] - KM	

Lab/Cor, Inc.

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Report # 041191R6

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Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-12AD-100704 *Lab/Cor Sample No.:* B4773 S18 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	38	C2		NSD									
B	39	C12		NSD									
B	40	C22		NSD									
B	41	C32		NSD									
B	42	C42		NSD									
B	43	C1		NSD									
B	44	C11		NSD									
B	45	C21	AQ	20	20	F	17	4	4.2			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	46	C31	AQ	21	21	F	5.8	0.7	8.3			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	47	C41		NSD									
B	48	C10	AQ	22	22	F	3.5	0.4	8.8			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	49	C20		NSD									
B	50	C30	AQ	23	23	F	3.8	0.7	5.4			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	51	C40	AQ	24	24	F	3.5	0.5	7.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	52	D10		NSD									
B	53	D20		NSD									
B	54	D30		NSD									
B	55	D40		NSD									
B	56	A1	AQ	25	25	F	9	0.8	11			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	57	D1		NSD									
B	58	D11		NSD									
B	59	D21		NSD									
B	60	A32		NSD									
C	61	B44	AQ	26	26	F	13	1	13			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	62	B24		NSD									
C	63	B4		NSD									
C	64	C14	AQ	27	27	F	9	1	9.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	65	C34		NSD									
C	66	B33		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-12AD-100704 *Lab/Cor Sample No.:* B4773 S18 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	67	B23		NSD									
C	68	B13		NSD									
C	69	B3		NSD									
C	70	C3		NSD									
C	71	C13	AQ	28		MD1-0	11	8	1.4			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	71	C13	AQ		28	MF	4	0.5	8.0			Mg, Si, Ca, Fe Actinolite	
C	72	C23		NSD									
C	73	C33		NSD									
C	74	C43		NSD									
C	75	B32		NSD									
C	76	B12		NSD									
C	77	C2		NSD									
C	78	C22	AQ	29	29	F	5.3	1	5.3			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	79	C42		NSD									
C	80	B32	AQ	30	30	F	15	1.8	8.3			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	81	B22	AQ	31	31	F	5.1	0.7	7.3			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	82	C2		NSD									
C	83	C12	AQ	32	32	F	1.5	0.5	3.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	84	C22		NSD									
C	85	C32		NSD									
C	86	C42		NSD									
C	87	C10		NSD									
C	88	C30		NSD									
C	89	D10	AQ	33	33	B	5.1	1.7	3.0			Mg, Si, Ca, Fe Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	90	D30		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-1AD-100704 *Lab/Cor Sample No.:* B4773 S19 A1

Descripiton:

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	B14		NSD									
A	4	B4		NSD									
A	5	C24	ADQ	1	1	F	9	0.75	12			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	6	C44		NSD									
A	7	C43	AQ	2		MD1-0	15	10	1.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	7	C43	AQ		2	MF	4	0.75	5.3			Mg, Si, Ca, Fe Actinolite	
A	8	C33	AQ	3	3	F	5.5	1	5.5			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	8	C33	AQ	4	4	F	11	2.5	4.4			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	9	C13		NSD									
A	10	C3		NSD									
A	11	B13		NSD									
A	12	B23		NSD									
A	13	B43		NSD									
A	14	B42		NSD									
A	15	B32		NSD									
A	16	B12		NSD									
A	17	B2	ADQ	5		MD1-0	10	10	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	17	B2	ADQ		5	MF	2.5	0.5	5.0	5337	15246	Mg,Si, Ca, Fe Actinolite Zone Axis [3 -1 0] - KM	
A	17	B2	AQ	6	6	F	7.5	2	3.8			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	18	C12		NSD									
A	19	C22		NSD									
A	20	C42	AQ	7	7	F	10	2.75	3.6			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	21	C41		NSD									
A	22	C31		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-1AD-100704 *Lab/Cor Sample No.:* B4773 S19 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	23	C11		NSD									
A	24	C1	AQ	8		MD1-0	6	6	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	24	C1	AQ		8	MF	1.2	0.3	4.0			Mg, Si, Ca, Fe Actinolite	
A	25	B11		NSD									
A	26	B21		NSD									
A	27	B41		NSD									
A	28	A40		NSD									
A	29	A30	AQ	9		MD1-1	10	7.5	1.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	29	A30	AQ		9	MF	5.5	0.25	22			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT
A	30	A31		NSD									
B	31	B44		NSD									
B	32	B34		NSD									
B	33	B24		NSD									
B	34	B14		NSD									
B	35	B4		NSD									
B	36	C4		NSD									
B	37	C14		NSD									
B	38	C3		NSD									
B	39	B3		NSD									
B	40	B13		NSD									
B	41	B23		NSD									
B	42	B33	AQ	10		MD1-1	22	20	1.1			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	42	B33	AQ		10	MF	14	1.85	7.6			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
B	43	B43	AQ	11	11	F	3	0.85	3.5			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	43	B43	AQ	12		MD1-0	15	10	1.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	43	B43	AQ		12	MF	5	0.85	5.9			Mg, Si, Ca, Fe Actinolite	
B	44	B32		NSD									
B	45	B22		NSD									
B	46	B12		NSD									
B	47	B2		NSD									

Lab/Cor, Inc.

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Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-1AD-100704 *Lab/Cor Sample No.:* B4773 S19 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	48	B41		NSD									
B	49	B31		NSD									
B	50	B21		NSD									
B	51	B11		NSD									
B	52	B1		NSD									
B	53	C30		NSD									
B	54	C40		NSD									
C	55	B44		NSD									
C	56	B34		NSD									
C	57	B24		NSD									
C	58	B14		NSD									
C	59	B4	AQ	13		MD1-1	8	7.5	1.1			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	59	B4	AQ		13	MF	6	1	6.0			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	60	B3	AQ	14	14	F	1.25	0.25	5.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	61	B13		NSD									
C	62	B23	AQ	15	15	F	2.5	0.65	3.8			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	63	B33		NSD									
C	64	B43		NSD									
C	65	B42	CDQ	16		MD1-1	12	5	2.4			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	65	B42	CDQ		16	MB	6	0.5	12	5339	15247	Mg, Si Chrysotile Verified - KM	AFB>5, PCMEF-US, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT
C	66	D20	AQ	17		MD1-1	12	8	1.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	66	D20	AQ		17	MF	6	1	6.0			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	67	D10		NSD									
C	68	D30	AQ	18	18	F	13	1	13			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	68	D30	AQ	19	19	F	4	0.75	5.3			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	69	D40		NSD									
C	70	C30	CM	20	20	F	1	0.01	100			Chrysotile	TAS_AHRA
C	70	C30	CM	21	21	F	0.6	0.01	60			Chrysotile	TAS_AHRA
C	71	C40		NSD									
C	72	C20	AQ	22	22	F	4	1.3	3.1			Mg, Si, Ca, Fe Actinolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-1AD-100704 *Lab/Cor Sample No.:* B4773 S19 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	73	C10	AQ	23	23	F	4.5	1.2	3.7			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	74	C11		NSD									
C	75	C21		NSD									
C	76	C31	AQ	24	24	F	9	1.2	7.5			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	77	C41	AQ	25		MD1-0	4.5	4.5	1.0			Actinolite	TAS_AHRA
C	77	C41	AQ		25	MF	1.25	0.4	3.1			Mg, Al, Si, Ca, Fe Actinolite	
C	78	C42		NSD									
C	79	C2		NSD									
C	80	B2	AQ	26		MD1-0	10	4	2.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	80	B2	AQ		26	MF	4	0.4	10			Mg, Si, Ca, Fe Actinolite	
C	81	A30		NSD									
C	82	A40		NSD									
C	83	A41		NSD									
C	84	A31		NSD									
C	85	A21		NSD									
C	86	A11		NSD									
C	87	A1		NSD									
C	88	A2	AQ	27	27	F	2.75	0.5	5.5			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	88	A2	AQ	28		MD1-0	13	5	2.6			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	88	A2	AQ		28	MF	11	2.5	4.4			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-2AD-100704 *Lab/Cor Sample No.:* B4773 S20 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44	AQ	1	1	F	4	0.4	10			Mg, Al, Si, Ca, Fe Actinolite Ferrianactinolite	TAS_AHRA
A	2	B24		NSD									
A	3	B4		NSD									
A	4	C14	AQ	2	2	F	4.5	0.9	5.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	5	B33	AD	3	3	F	5.2	1	5.2			Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	6	C34		NSD									
A	7	B13	ADQ	4	4	F	14	1.5	9.3		673	Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	8	C3	AZQ	5	5	F	4.9	0.9	5.4	930	674	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [3 -1 0] - KM	TAS_AHRA
A	9	C23		NSD									
A	10	C43		NSD									
A	11	B42		NSD									
A	12	B22		NSD									
A	13	B2		NSD									
A	14	C12		NSD									
A	15	C32	AQ	6	6	F	4.9	1.2	4.1			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	16	B31	AQ	7	7	F	5.8	0.7	8.3			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	17	B11	AQ	8	8	F	4.8	1.2	4.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	18	C1	AQ	9		MD1-1	8	7	1.1			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	18	C1	AQ		9	MF	7.5	0.9	8.3			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	19	C21	AQ	10	10	F	10	3	3.3			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	20	C41		NSD									
A	21	B30		NSD									
A	22	B10	AQ	11	11	F	8	1.2	6.7			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	23	C10		NSD									
A	24	C30	AQ	12	12	F	3	0.6	5.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	25	A40		NSD									
A	26	A30		NSD									

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TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-2AD-100704 *Lab/Cor Sample No.:* B4773 S20 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	27	D20		NSD									
A	28	D40		NSD									
A	29	D21		NSD									
A	30	D41	AQ	13	13	F	9.5	2.5	3.8			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	30	D41	AQ	14	14	F	4.5	0.7	6.4			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	31	D31		NSD									
B	32	B44		NSD									
B	33	B34		NSD									
B	34	B24		NSD									
B	35	B14		NSD									
B	36	B4		NSD									
B	37	C4		NSD									
B	38	B43	AQ	15	15	F	1.5	0.25	6.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	38	B43	ADQ	16	16	F	3.2	0.6	5.3			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	38	B43	ADQ	17	17	F	1.8	0.4	4.5			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	38	B43	AQ	18	18	B	4.5	1.5	3.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	39	B33	AQ	19	19	F	7.5	1	7.5			Mg, Al, Si, Ca, Feq Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	40	B23	AQ	20	20	F	3	1	3.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	41	B13	AQ	21	21	F	8.5	1.2	7.1			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	42	B3	ADQ	22	22	F	4.3	0.2	22			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	43	C3		NSD									
B	44	B42	AQ	23	23	F	3.8	0.6	6.3			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	44	B42	ADQ	24	24	F	5.1	0.6	8.5			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	45	B32	AQ	25	25	F	3.2	1	3.2			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	46	B22		NSD									
B	47	B12		NSD									
B	48	B2		NSD									
B	49	C2		NSD									
B	50	B41		NSD									

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TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-2AD-100704 *Lab/Cor Sample No.:* B4773 S20 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	51	B31	AQ	26		MD1-1	14	4	3.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	51	B31	AQ		26	MF	11.5	1.2	9.6			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
B	52	B21		NSD									
B	53	B11	AQ	27	27	F	7.5	2	3.8			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	54	B1		NSD									
B	55	C1	AQ	28		MD1-0	7.5	6	1.2			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	55	C1	AQ		28	MF	2	0.6	3.3			Actinolite	
B	56	A41	ADQ	29	29	F	4.8	0.8	6.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	56	A41	AQ	30	30	F	2.5	0.2	12			Actinolite	TAS_AHRA
B	57	A31		NSD									
B	58	A21	ADQ	31	31	F	3.8	0.5	7.6			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	58	A21	AQ	32		MD1-0	4.5	4	1.1			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	58	A21	AQ		32	MF	2.5	0.5	5.0			Mg, Al, Si, Ca, Fe Actinolite	
B	58	A21	ADQ	33	33	F	3.3	0.48	6.9			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	59	A11	AQ	34	34	F	16	1.5	11			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	60	A1	ADQ	35	35	F	9.5	2	4.8			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	61	D1	AQ	36	36	F	4	0.8	5.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	62	A23		NSD									
C	63	A3	ADQ	37	37	B	3.5	0.6	5.8			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	64	D13	AQ	38	38	B	8	0.7	11			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	65	D33	AQ	39	39	F	2.5	0.5	5.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	66	D43		NSD									
C	67	D31		NSD									
C	68	D11		NSD									
C	69	A1	AQ	40	40	F	2.5	0.5	5.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	70	A21		NSD									
C	71	A41	AQ	41	41	F	4	0.6	6.7			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	72	A40		NSD									

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Sample No.: JOGB-L2-2AD-100704 *Lab/Cor Sample No.:* B4773 S20 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	73	A20	AQ	42	42	F	11	0.9	12			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	74	D10	AQ	43	43	F	8	1	8.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	75	C21	AQ	44		MD1-1	20	15	1.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	75	C21	AQ		44	MF	15	2.6	5.8			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	76	C1		NSD									
C	77	B11		NSD									
C	78	B31	AQ	45		MD1-1	12	8	1.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	78	B31	AQ		45	MF	12	0.4	30			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US, PSAS >10, PSAS TOT, PSAM >10, PSAM TOT
C	79	B41		NSD									
C	80	B43		NSD									
C	81	B23		NSD									
C	82	C3		NSD									
C	83	C23		NSD									
C	84	C22		NSD									
C	85	C20		NSD									
C	86	D20		NSD									
C	87	D21		NSD									
C	88	D24		NSD									
C	89	D23		NSD									
C	90	A14		NSD									
C	91	A13	AQ	46	46	F	11	0.9	12			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA

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Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-3AD-100704 *Lab/Cor Sample No.:* B4773 S21 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B22	AQ	1	1	F	33	4	8.2			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	1	B22	AQ	2	2	F	6	2	3.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	1	B22	AQ	3	3	F	6	1	6.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	2	B12	AQ	4		MD1-0	15	15	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	2	B12	AQ		4	MF	2.75	0.75	3.7			Mg, Al, Si, Ca, FeMg, Al, Si, Ca, Fe Actinolite	
A	3	B2		NSD									
A	4	C2		NSD									
A	5	C12	AQ	5	5	F	4	0.75	5.3			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	6	C32	AQ	6	6	F	6	1	6.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	6	C32	AQ	7		MD1-1	25	15	1.7			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	6	C32	AQ		7	MF	6	1.2	5.0			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	7	C42		NSD									
A	8	C41	AQ	8	8	F	11	2	5.5			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	8	C41	AQ	9		MD1-0	5	4	1.2			Actinolite	TAS_AHRA
A	8	C41	AQ		9	MF	5	0.65	7.7			Mg, Al, Si, Ca, Fe Actinolite	
A	8	C41	AQ	10		MD1-1	10	10	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	8	C41	AQ		10	MF	9	0.7	13			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	9	C31		NSD									
A	10	C21	AQ	11	11	F	1.2	0.35	3.4			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	11	C11	AQ	12	12	F	4.5	0.4	11			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	12	C1	AQ	13		MD1-1	20	15	1.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	12	C1	AQ		13	MF	9	2	4.5			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	12	C1	AQ	14	14	F	7.5	0.65	12			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	13	B11	AZQ	15	15	F	18.75	0.55	34	5347	15250	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 0 0] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-3AD-100704 *Lab/Cor Sample No.:* B4773 S21 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	13	B11	AQ	16	16	B	10	1.2	8.3			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	13	B11	AQ	17	17	F	5.75	0.5	12			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	14	B31	AQ	18	18	F	3.7	1	3.7			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	15	B40	AQ	19	19	F	12.5	3	4.2			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	16	B20	AQ	20	20	F	4.5	0.55	8.2			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	17	C10		NSD									
A	18	C30		NSD									
A	19	D40	AQ	21	21	F	7.5	0.8	9.4			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	20	D20	AQ	22		MD1-1	17	15	1.1			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	20	D20	AQ		22	MF	10	1.7	5.9			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	21	A10	AQ	23		MD1-0	8	4	2.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	21	A10	AQ		23	MF	2	0.3	6.7			Mg, Si, Ca, Fe Actinolite	
A	21	A10	AQ	24	24	F	8.5	2.5	3.4			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	22	A30		NSD									
A	23	A31		NSD									
A	24	A11	AQ	25	25	F	5.5	1.3	4.2			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	25	D1	AQ	26	26	F	8	1.5	5.3			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	26	D21	AQ	27	27	F	4	1	4.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	26	D21	AQ	28	28	F	22.5	5	4.5			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	27	D41		NSD									
A	28	D42		NSD									
A	29	D10	AQ	29	29	F	3.5	0.7	5.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-3AD-100704 *Lab/Cor Sample No.:* B4773 S21 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	30	B10	AQ	30		MD1-1	9	8	1.1			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	30	B10	AQ		30	MF	8	0.8	10			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	30	B10	AQ	31	31	F	12.5	2.25	5.6			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	31			NSD								Film is Doubled up over entire grid	
C	32	B41	AQ	32		MD1-0	4.5	2.5	1.8			Actinolite	TAS_AHRA
C	32	B41	AQ		32	MF	2.5	0.7	3.6			Mg, Si, Ca, Fe Actinolite	
C	32	B41	AQ	33	33	F	6.25	0.7	8.9			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	33	B31		NSD									
C	34	B21	CDQ	34	34	B	1.85	0.4	4.6	5355	15258	Mg, Si, Fe Chrysotile Verified - KM	TAS_AHRA
C	34	B21	AQ	35	35	F	39	3.5	11			Mg, Si, Ca, Fe Actinolite Intersects right grid bar	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	34	B21	AQ	36	36	F	3.8	0.75	5.1			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	34	B21	AQ	37	37	F	6.75	1.1	6.1			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	34	B21	AQ	38	38	F	10.1	1.45	7.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	35	B11	AQ	39	39	F	3.5	1.1	3.2			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	35	B11	AQ	40	40	F	2.5	0.45	5.6			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	35	B11	AQ	41	41	F	1.4	0.25	5.6			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	36	B1	AQ	42		MD1-1	11	8	1.4			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	36	B1	AQ		42	MF	11	2	5.5			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	37	B10	AQ	43	43	F	15.5	4	3.9			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	38	B30	AQ	44	44	F	3.75	0.75	5.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	38	B30	AQ	45		MD1-0	4.75	1.5	3.2			Actinolite	TAS_AHRA
C	38	B30	AQ		45	MF	4.25	0.45	9.4			Mg, Si, Ca, Fe Actinolite	
C	38	B30	AQ	46	46	F	3.2	0.95	3.4			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	38	B30	AQ	47	47	F	4.25	1	4.2			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	38	B30	AQ	48	48	F	10.5	2.5	4.2			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-3AD-100704 *Lab/Cor Sample No.:* B4773 S21 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	38	B30	AQ	49	49	F	1.3	0.25	5.2			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	39	A30	AQ	50	50	F	3	0.6	5.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	40	A10	AQ	51		MD1-0	6.75	6	1.1			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	40	A10	AQ		51	MF	4.5	0.45	10			Mg, Al, Si, Ca, Fe Actinolite	
C	40	A10	AQ	52	52	F	6.2	1.7	3.6			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	40	A10	AQ	53		MD1-1	7.25	6.25	1.2			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	40	A10	AQ		53	MF	6.25	0.85	7.4			Mg, Al, Si, Ca, Fe Actinolite Ferri-actinolite	AFB>5, PCMEF-US

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-4AD-100704 *Lab/Cor Sample No.:* B4773 S22 A1

Descripiton:

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	B43		NSD									
A	5	B33		NSD									
A	6	B23	AZQ	1	1	F	6	0.6	10	935	680	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 0 0] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	7	B42		NSD									
A	8	B32		NSD									
A	9	B22		NSD									
A	10	A41		NSD									
A	11	A31		NSD									
A	12	A21		NSD									
A	13	A11		NSD									
A	14	A1		NSD									
A	15	D1		NSD									
A	16	D11		NSD									
A	17	D21	ADQ	2	2	F	7.8	1	7.8			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	18	D31		NSD									
A	19	D41		NSD									
A	20	A42		NSD									
A	21	A32		NSD									
A	22	A22		NSD									
A	23	A12		NSD									
A	24	A2		NSD									
A	25	D2		NSD									
A	26	D12		NSD									
A	27	D22		NSD									
A	28	D32		NSD									
A	29	D42		NSD									
A	30	D10		NSD									
B	31	B44		NSD									
B	32	B24		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-4AD-100704 *Lab/Cor Sample No.:* B4773 S22 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	33	B4		NSD									
B	34	C14		NSD									
B	35	C34	AQ	3	3	B	39	5	7.8			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	35	C34	AQ	4	4	F	2.5	0.5	5.0			Actinolite	TAS_AHRA
B	36	B33		NSD									
B	37	B13		NSD									
B	38	C3		NSD									
B	39	C23	AQ	5	5	F	4.5	1.2	3.7			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	40	C43	ADQ	6	6	F	2	0.22	9.1			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	41	B42		NSD									
B	42	B22		NSD									
B	43	B2		NSD									
B	44	C12	AQ	7	7	F	4.5	0.6	7.5			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	45	C32		NSD									
B	46	B31	AQ	8	8	F	5.5	1.2	4.6			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	47	B11		NSD									
B	48	C1	AQ	9	9	F	16	4.5	3.6			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	49	C21		NSD									
B	50	C41		NSD									
B	51	C20	AQ	10	10	F	4.5	1.1	4.1			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	52	C30		NSD									
B	53	C40		NSD									
B	54	A40		NSD									
B	55	A30		NSD									
B	56	A10		NSD									
B	57	A41		NSD									
B	58	A11		NSD									
B	59	D1		NSD									
B	60	D21		NSD									
C	61	A14		NSD									
C	62	A4		NSD									
C	63	D4		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-4AD-100704 *Lab/Cor Sample No.:* B4773 S22 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	64	D14		NSD									
C	65	D24		NSD									
C	66	D34		NSD									
C	67	D44		NSD									
C	68	A3		NSD									
C	69	D3		NSD									
C	70	D13		NSD									
C	71	D23	AQ	11	11	F	12	0.8	15			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	72	D43		NSD									
C	73	A2		NSD									
C	74	D2		NSD									
C	75	D12		NSD									
C	76	D22		NSD									
C	77	D32	AQ	12	12	F	11.5	1.7	6.8			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	78	D42		NSD									
C	79	A1		NSD									
C	80	D1		NSD									
C	81	D11		NSD									
C	82	D21		NSD									
C	83	D31	AQ	13	13	F	8.5	0.7	12			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	84	D41		NSD									
C	85	D10		NSD									
C	86	D20	AQ	14		MD1-1	6	1.5	4.0			Actinolite	AS>5, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	86	D20	AQ		14	MF	5.3	0.6	8.8			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	87	D30		NSD									
C	88	D40		NSD									
C	89	C42	AQ	15	15	F	6.2	0.6	10			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-4AD-100704 *Lab/Cor Sample No.:* B4773 S22 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	90	C43	AQ	16	16	F	13	3.5	3.7			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-5AD-100704 *Lab/Cor Sample No.:* B4773 S23 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44		NSD									
A	2	B34	CDQ	1	1	F	1.5	0.11	14	937	681	Mg, Si Chrysotile Verified - KM	TAS_AHRA
A	3	B24		NSD									
A	4	B14		NSD									
A	5	B4		NSD									
A	6	C14	AQ	2	2	F	6.5	1.7	3.8			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	7	B33		NSD									
A	8	B13		NSD									
A	9	C3		NSD									
A	10	C23		NSD									
A	11	C43		NSD									
A	12	B42		NSD									
A	13	B22	AZQ	3	3	F	4	0.6	6.7	938	682	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [3 -1 0] - KM	TAS_AHRA
A	13	B22	AQ	4	4	F	5.5	1.8	3.1			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	14	B2	AQ	5	5	F	3	0.4	7.5			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	15	C12	AQ	6	6	F	10	2	5.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	16	C32		NSD									
A	17	B31	AQ	7	7	F	3	0.5	6.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	18	B11	CD	8		MD1-0	1.8	1	1.8			Chrysotile	TAS_AHRA
A	18	B11	CD		8	MF	0.7	0.08	8.8			Chrysotile	
A	18	B11	AQ	9		MD1-0	5.8	3.88	1.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	18	B11	AQ		9	MF	3.8	1.2	3.2		683	Mg, Al, Si, Ca, Fe Actinolite Alumino-actinolite	
A	19	C1		NSD									
A	20	C21		NSD									
A	21	C41	CD	10		MD1-0	3	1	3.0			Chrysotile	TAS_AHRA
A	21	C41	CD		10	MF	1	0.1	10			Chrysotile	
A	22	B40		NSD									
A	23	B30		NSD									
A	24	B20		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-5AD-100704 *Lab/Cor Sample No.:* B4773 S23 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	25	B10		NSD									
A	26	C10	AQ	11	11	F	4.2	0.5	8.4			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	27	C20		NSD									
A	28	A41	AQ	12		MD1-1	15	4.5	3.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	28	A41	AQ		12	MF	15	1.2	12			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	29	A21		NSD									
A	30	A11		NSD									
B	31	A23		NSD									
B	32	A3		NSD									
B	33	D23		NSD									
B	34	D43		NSD									
B	35	D41		NSD									
B	36	A11		NSD									
B	37	A31		NSD									
B	38	A41	AQ	13	13	F	14	1.5	9.3			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	39	B40		NSD									
B	40	C10	AQ	14	14	F	4	0.6	6.7			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	41	C30	AQ	15	15	F	23	4.8	4.8			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	42	C40		NSD									
B	43	C42		NSD									
B	44	C22		NSD									
B	45	C2		NSD									
B	46	B12		NSD									
B	47	B32		NSD									
B	48	B42		NSD									
B	49	B44		NSD									
B	50	B24		NSD									
B	51	B4		NSD									
B	52	C14		NSD									
B	53	C44		NSD									
B	54	C33		NSD									
B	55	C31		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-5AD-100704 *Lab/Cor Sample No.:* B4773 S23 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	56	D32		NSD									
B	57	D34		NSD									
B	58	D14		NSD									
B	59	D12		NSD									
B	60	C11	AQ	16	16	F	5.1	0.6	8.5			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	61	B44		NSD									
C	62	B24		NSD									
C	63	B4		NSD									
C	64	C14		NSD									
C	65	C34		NSD									
C	66	C42		NSD									
C	67	C22	AQ	17	17	F	9	1	9.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	68	C12		NSD									
C	69	B12		NSD									
C	70	B32		NSD									
C	71	B42		NSD									
C	72	B40		NSD									
C	73	B20		NSD									
C	74	B10		NSD									
C	75	C10		NSD									
C	76	C40		NSD									
C	77	D21		NSD									
C	78	D1		NSD									
C	79	A11		NSD									
C	80	A31		NSD									
C	81	A41		NSD									
C	82	A3		NSD									
C	83	D13		NSD									
C	84	D14		NSD									
C	85	A4		NSD									
C	86	A2		NSD									
C	87	A1		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-5AD-100704 *Lab/Cor Sample No.:* B4773 S23 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	88	B1	AZQ	18		MD1-0	3.5	1.5	2.3			Tremolite	TAS_AHRA
C	88	B1	AZQ		18	MF	3.5	0.25	14	944	688	Mg, Si, Ca, Fe Tremolite Zone Axis [4 1 1] - KM	
C	89	B3		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-1ZP-100704 *Lab/Cor Sample No.:* B4773 S25 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44	ADQ	1	1	F	6.8	0.8	8.5			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	1	B44	CDQ	2	2	B	5	0.25	20	945	689	Mg, Si Chrysotile Verified - KM	TAS_AHRA
A	1	B44	CMQ	3		MD1-0	7	3.8	1.8			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	1	B44	CMQ		3	MF	2.8	0.08	35			Chrysotile	
A	1	B44	AZQ	4	4	F	2.8	0.8	3.5	947	690	Mg, Si, Ca, Fe Tremolite Zone Axis [2 0 1] - KM	TAS_AHRA
A	1	B44	CD	5	5	F	10	0.1	100			Chrysotile	AS>5, AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	1	B44	ADQ	6	6	F	13	2.5	5.2			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	1	B44	ADQ	7	7	F	3.2	0.7	4.6			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	1	B44	CD	8		CD3-3	16	0.5	32			Chrysotile	AS>5, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	1	B44	CD		8	CB	12	0.22	55			Chrysotile	AFB>5, PSAS >10, PSAS TOT, PCAS >10, PCAS TOT
A	1	B44	CD		9	CB	9	0.2	45			Chrysotile	AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT
A	1	B44	CD		10	CB	7	0.15	47			Chrysotile	AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT
A	2	B24	AD	9	11	F	8	0.7	11			Actinolite tilts into gridbar	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	2	B24	ADQ	10	12	F	24	0.8	30			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	2	B24	ADQ	11	13	F	1.2	0.3	4.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	2	B24	ADQ	12	14	F	2.8	0.7	4.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	2	B24	CD	13	15	F	8	0.1	80			Chrysotile	AS>5, AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	2	B24	ADQ	14	16	F	10	2.5	4.0			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	2	B24	AQ	15	17	F	3.5	0.7	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	2	B24	CD	16	18	F	0.7	0.05	14			Chrysotile	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-1ZP-100704 *Lab/Cor Sample No.:* B4773 S25 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	2	B24	AQ	17	19	F	9	1.2	7.5			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	2	B24	AQ	18	20	F	2.5	0.35	7.1			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B31	CD	19	21	F	0.8	0.02	40			Chrysotile	TAS_AHRA
A	3	B31	AQ	20	22	F	3.8	0.4	9.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B31	ADQ	21	23	F	6.5	0.35	19			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	3	B31	AQ	22	24	F	4.8	0.5	9.6			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B31	AQ	23	25	F	1.8	0.15	12			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	B11	CD	24	26	F	4	0.1	40			Chrysotile	TAS_AHRA
A	4	B11	CD	25	27	F	0.8	0.1	8.0			Chrysotile	TAS_AHRA
A	4	B11	AQ	26	28	F	4.2	0.8	5.2			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	B11	AQ	27	29	F	1.3	0.35	3.7			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	4	B11	AQ	28	30	F	4.2	1.3	3.2			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	B11	AQ	29	31	F	4.3	0.5	8.6			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	B11	CD	30	32	F	6.2	0.1	62			Chrysotile	AS>5, AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	4	B11	AQ	31	33	F	2	0.5	4.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	B11	CD	32		CD3-0	3.5	0.2	18			Chrysotile	TAS_AHRA
A	4	B11	CD		34	CF	2	0.1	20			Chrysotile	
A	4	B11	CD		35	CF	0.9	0.08	11			Chrysotile	
A	4	B11	CD		36	CF	0.8	0.08	10			Chrysotile	
B	5	A10	AQ	33	37	F	4	0.6	6.7			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	5	A10	ADQ	34	38	F	1.2	0.2	6.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	5	A10	CD	35	39	F	0.8	0.15	5.3			Chrysotile	TAS_AHRA
B	5	A10	AQ	36	40	F	3.8	1	3.8			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	5	A10	AQ	37	41	F	13	4	3.2			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	6	C10	AQ	38	42	F	2.5	0.5	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	6	C10	AQ	39	43	F	1.7	0.5	3.4			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	6	C10	CD	40		MD1-0	2	0.2	10			Chrysotile	TAS_AHRA
B	6	C10	CD		44	MF	1.5	0.01	150			Chrysotile	

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-1ZP-100704 *Lab/Cor Sample No.:* B4773 S25 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	6	C10	CD	41	45	CC20-0	4	3	1.3			Chrysotile	
B	6	C10	AQ	42	46	F	1.5	0.3	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	B12	AQ	43	47	F	9.5	0.4	24			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	7	B12	AQ	44	48	F	7	1.5	4.7			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	7	B12	AQ	45	49	F	1.6	0.4	4.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	B12	AQ	46	50	F	2.4	0.6	4.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	B12	AQ	47	51	F	3	0.12	25			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	B12	ADQ	48	52	F	15	2	7.5			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	7	B12	AQ	49	53	F	6	1.3	4.6			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	7	B12	CD	50	54	F	0.8	0.08	10			Chrysotile	TAS_AHRA
B	8	D20	ADQ	51	55	F	2.7	0.6	4.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	8	D20	CD	52	56	F	1.6	0.08	20			Chrysotile	TAS_AHRA
B	8	D20	AQ	53	57	F	4.5	1	4.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	8	D20	AQ	54	58	F	1.2	0.22	5.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	8	D20	AQ	55	59	F	3	0.3	10			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	8	D20	CD	56	60	F	1.1	0.03	37			Chrysotile	TAS_AHRA
B	8	D20	CD	57	61	F	0.8	0.03	27			Chrysotile	TAS_AHRA
B	9	C40	ADQ	58	62	F	9	0.5	18			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	9	C40	CD	59	63	F	0.8	0.1	8.0			Chrysotile	TAS_AHRA
B	9	C40	ADQ	60	64	F	20	2.5	8.0			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	9	C40	ADQ	61	65	F	8	0.6	13			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	9	C40	CD	62	66	F	3.5	0.08	44			Chrysotile	TAS_AHRA
B	9	C40	AQ	63	67	F	3.8	0.8	4.8			Mg, Si, Ca, Fe Tremolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-1ZP-100704 *Lab/Cor Sample No.:* B4773 S25 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	9	C40	CD	64	68	MC5-1	7	1.5	4.7			Chrysotile	AS>5, PCMES-US
B	9	C40	ADQ	65	69	F	4.6	0.6	7.7			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	10	C33	AQ	66	70	F	1.2	0.22	5.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	10	C33	AQ	67	71	F	5	1	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	10	C33	ADQ	68	72	F	4	1.3	3.1			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	10	C33	CD	69	73	F	3.8	0.11	35			Chrysotile	TAS_AHRA
B	10	C33	ADQ	70	74	F	9	1.8	5.0			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	10	C33	AQ	71	75	B	10	3.5	2.9			Mg, Si, Ca, Fe Tremolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	10	C33	AQ	72	76	F	2.8	0.25	11			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	10	C33	CD	73	77	F	3.5	0.01	350			Chrysotile	TAS_AHRA
B	10	C33	AQ	74	78	F	5.2	0.7	7.4			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	10	C33	CD	75	79	F	3.8	0.1	38			Chrysotile	TAS_AHRA
B	10	C33	CD	76	80	F	1	0.1	10			Chrysotile	TAS_AHRA
B	11	A41	AQ	77	81	F	1.2	0.22	5.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	11	A41	ADQ	78	82	F	1.7	0.5	3.4			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	11	A41	AQ	79	83	F	4.5	1	4.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	11	A41	AQ	80	84	F	5.8	0.8	7.2			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	11	A41	AQ	81	85	F	2.6	0.6	4.3			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	11	A41	AQ	82	86	F	2.5	0.4	6.2			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
C	12	A11	CD	83	87	F	1.3	0.1	13			Chrysotile	TAS_AHRA
C	12	A11	AQ	84	88	F	2.2	0.6	3.7			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
C	12	A11	ADQ	85	89	F	6.5	0.8	8.1			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	12	A11	AQ	86	90	F	1.5	0.1	15			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
C	12	A11	CD	87	91	F	2.5	0.11	23			Chrysotile	TAS_AHRA
C	12	A11	AQ	88	92	F	8	0.8	10			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	12	A11	CD	89	93	F	4	0.05	80			Chrysotile	TAS_AHRA
C	12	A11	CD	90	94	F	1.8	0.11	16			Chrysotile	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-1ZP-100704 *Lab/Cor Sample No.:* B4773 S25 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	12	A11	CD	91	95	F	2.6	0.08	32			Chrysotile	TAS_AHRA
C	13	B30	CD	92	96	F	4	0.1	40			Chrysotile	TAS_AHRA
C	13	B30	ADQ	93	97	F	3.5	0.7	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
C	13	B30	CD	94	98	F	3.5	0.08	44			Chrysotile	TAS_AHRA
C	13	B30	ADQ	95	99	F	2	0.3	6.7			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
C	13	B30	AQ	96	100	F	8	0.4	20			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	13	B30	AQ	97	101	F	4	1.2	3.3			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
C	13	B30	AQ	98	102	F	2.9	0.9	3.2			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
C	13	B30	CD	99	103	F	3.8	0.08	48			Chrysotile	TAS_AHRA
C	13	B30	AQ	100	104	F	3	0.6	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
C	13	B30	AQ	101	105	F	2.5	0.45	5.6			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
C	13	B30	AQ	102	106	F	2	0.3	6.7			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
C	13	B30	CD	103	107	F	1.8	0.08	22			Chrysotile	TAS_AHRA
C	13	B30	AQ	104	108	F	2.2	0.6	3.7			Mg, Si, Ca, Fe Tremolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.
Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-4FD-100704 *Lab/Cor Sample No.:* B4773 S27 A1
Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A10		NSD									
A	2	B24		NSD									
A	3	B4		NSD									
A	4	C14		NSD									
A	5	C34		NSD									
A	6	B22		NSD									
A	7	B2		NSD									
A	8	C32		NSD									
B	9	B4		NSD									
B	10	C14		NSD									
B	11	C34		NSD									
B	12	C2		NSD									
B	13	C22		NSD									
B	14	C42		NSD									
B	15	A1		NSD									
B	16	D11		NSD									
C	17	B44		NSD									
C	18	B34		NSD									
C	19	B24		NSD									
C	20	B42		NSD									
C	21	B22		NSD									
C	22	B32		NSD									
C	23	B12		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-L2-1NA-100704 *Lab/Cor Sample No.:* B4773 S30 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A43	AZQ	1		MD1-1	12	9	1.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	1	A43	AZQ		1	MF	9	1	9.0	949	691	Mg, Al, Si, Ca, Fe Actinolite Alumino-actinolite - Zone Axis [2 1 1] - KM	AFB>5, PCMEF-US
A	2	A23		NSD									
A	3	A3	CDQ	2		MD1-1	10	10	1.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	3	A3	CDQ		2	MF	6	0.05	120	950	692	Mg, Si Chrysotile Verified - KM	AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT
A	4	D13		NSD									
A	5	D33		NSD									
A	6	D44		NSD									
A	7	D41		NSD									
A	8	D21		NSD									
A	9	D1		NSD									
A	10	A11		NSD									
A	11	A31	AQ	3	3	F	5.5	1.2	4.6			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	12	A41		NSD									
A	13	B40		NSD									
A	14	B20		NSD									
A	15	C10		NSD									
A	16	C30		NSD									
A	17	C40		NSD									
A	18	C32		NSD									
A	19	C12		NSD									
A	20	B2		NSD									
A	21	B22		NSD									
A	22	B42		NSD									
A	23	B44		NSD									
A	24	B24		NSD									
A	25	B4		NSD									
A	26	C14		NSD									
A	27	C23		NSD									
B	28	B44		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.
Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-L2-1NA-100704 *Lab/Cor Sample No.:* B4773 S30 A1
Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	29	B24		NSD									
B	30	B4		NSD									
B	31	C14		NSD									
B	32	C34		NSD									
B	33	C44		NSD									
B	34	C42		NSD									
B	35	C22		NSD									
B	36	C2		NSD									
B	37	B12		NSD									
B	38	B32		NSD									
B	39	B42		NSD									
B	40	B10		NSD									
B	41	C10		NSD									
B	42	C30		NSD									
B	43	C40		NSD									
B	44	D41		NSD									
B	45	D21		NSD									
B	46	D1		NSD									
B	47	A11		NSD									
B	48	A31		NSD									
B	48	A31		NSD									
B	49	A41	AQ	4		MD1-0	4	2	2.0			Actinolite	TAS_AHRA
B	49	A41	AQ		4	MF	4	0.5	8.0			Mg, Al, Si, Ca, Fe Actinolite	
B	50	A43		NSD									
B	51	A23		NSD									
B	52	A13		NSD									
B	53	D3		NSD									
B	54	D23		NSD									
B	55	D43		NSD									
B	56	D44		NSD									
B	57	D24		NSD									
B	58	D4		NSD									
B	59	A14		NSD									
B	60	A34		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-L2-1NA-100704 *Lab/Cor Sample No.:* B4773 S30 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	61	A33		NSD									
C	62	A23	AQ	5		MD1-1	9	6	1.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	62	A23	AQ		5	MF	9	1.2	7.5			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	63	A3		NSD									
C	64	D43		NSD									
C	65	D41		NSD									
C	66	A1		NSD									
C	67	A11		NSD									
C	68	A31		NSD									
C	69	B30		NSD									
C	70	B20		NSD									
C	71	B10		NSD									
C	72	C10		NSD									
C	73	C20		NSD									
C	74	C40		NSD									
C	75	C42		NSD									
C	76	C22		NSD									
C	77	C2		NSD									
C	78	B12		NSD									
C	79	B32		NSD									
C	80	B42		NSD									
C	81	B44		NSD									
C	82	B24		NSD									
C	83	B4		NSD									
C	84	C14		NSD									
C	85	C34		NSD									
C	86	C44		NSD									
C	87	C43		NSD									
C	88	C23		NSD									
C	89	C3	ADQ	6	6	F	2.5	0.5	5.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	90	B23		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.
Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-L2-1ZB-100704 *Lab/Cor Sample No.:* B4773 S31 A1
Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A44		NSD									
A	2	A24		NSD									
A	3	A4		NSD									
A	4	D14		NSD									
A	5	D34		NSD									
A	6	D44		NSD									
A	7	D42		NSD									
A	8	D22		NSD									
A	9	D2		NSD									
A	10	A12		NSD									
A	11	A32		NSD									
A	12	A42		NSD									
A	13	A40		NSD									
A	14	A20		NSD									
A	15	A10		NSD									
A	16	D10		NSD									
A	17	D30		NSD									
A	18	D40		NSD									
A	19	C20		NSD									
A	20	C10		NSD									
A	21	B10		NSD									
A	22	B30		NSD									
A	23	B40		NSD									
A	24	B42		NSD									
A	25	B22		NSD									
A	26	B2		NSD									
A	27	C12		NSD									
A	28	C34		NSD									
A	29	C14		NSD									
A	30	B4		NSD									
B	31	A44		NSD									
B	32	A24		NSD									
B	33	A4		NSD									
B	34	D14		NSD									

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A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-L2-1ZB-100704 *Lab/Cor Sample No.:* B4773 S31 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	35	D34		NSD									
B	36	D44		NSD									
B	37	D42		NSD									
B	38	D22		NSD									
B	39	D2		NSD									
B	40	A12		NSD									
B	41	A32		NSD									
B	42	A42		NSD									
B	43	A40		NSD									
B	44	A20		NSD									
B	45	A10		NSD									
B	46	D10		NSD									
B	47	D30		NSD									
B	48	C30		NSD									
B	49	C10		NSD									
B	50	B10		NSD									
B	51	B30		NSD									
B	52	B40		NSD									
B	53	B42		NSD									
B	54	B22		NSD									
B	55	B2		NSD									
B	56	C2		NSD									
B	57	C32		NSD									
B	58	C42		NSD									
B	59	C44		NSD									
B	60	C24		NSD									
C	61	A34		NSD									
C	62	D34		NSD									
C	63	D44		NSD									
C	64	D42		NSD									
C	65	D32		NSD									
C	66	A2		NSD									
C	67	A22		NSD									
C	68	A42		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-L2-1ZB-100704 *Lab/Cor Sample No.:* B4773 S31 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	69	A40		NSD									
C	70	A30		NSD									
C	71	A20		NSD									
C	72	A10		NSD									
C	73	D10		NSD									
C	74	D30		NSD									
C	75	D40		NSD									
C	76	C41		NSD									
C	77	C21		NSD									
C	78	C1		NSD									
C	79	B11		NSD									
C	80	B31		NSD									
C	81	B41		NSD									
C	82	B43		NSD									
C	83	B23		NSD									
C	84	B3		NSD									
C	85	C13		NSD									
C	86	C33		NSD									
C	87	C34		NSD									
C	88	C44		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-L2-2CH-100704 *Lab/Cor Sample No.:* B4773 S32 A1

Descripiton:

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	OZQ	1		MD1-1	12	10	1.2			Ferro-edenite	TOS_AHRA, OS>5_AHRA, OS>10_AHRA
A	3	B24	OZQ		1	MF	5.5	0.65	8.5	954	15261	Mg, Al, Si, K, Ca, Fe Ferro-edenite Zone Axis [4 0 1] - KM	PCMEF-US
A	4	B14	CD	2		MD1-0	10	5	2.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	4	B14	CD		2	MF	1.2	0.05	24	5359		Chrysotile Verified - KM - Fiber tilts into grid bar	
A	5	B4		NSD									
A	6	C4		NSD									
A	7	C14		NSD									
A	9	C24	CM	3	3	F	1	0.05	20			Chrysotile	TAS_AHRA
A	10	C34	CM	4		MD3-0	2.5	2.5	1.0			Chrysotile	TAS_AHRA
A	10	C34	CM		4	MF	0.6	0.05	12			Chrysotile	
A	10	C34	CM		5	MF	0.6	0.05	12			Chrysotile	
A	10	C34	CM		6	MF	0.5	0.05	10			Chrysotile	
A	11	C44		NSD									
A	12	C43	AZQ	5		MD1-0	12	7.5	1.6			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	12	C43	AZQ		7	MF	3.5	0.4	8.8	5360	15262	Mg, Al, Si, K, Ca, Fe Actinolite Zone Axis [2 1 1] - KM	
A	13	C33		NSD									
A	14	C23	CM	6	8	F	1	0.05	20			Chrysotile	TAS_AHRA
A	14	C23	CM	7	9	F	0.5	0.01	50			Chrysotile	TAS_AHRA
A	15	C13		NSD									
A	16	C3		NSD									
A	17	B3		NSD									
A	18	B13		NSD									
A	19	B23		NSD									
A	20	B33		NSD									
A	21	B43		NSD									
A	22	B42	CD	8		MD1-0	5	5	1.0			Chrysotile	TAS_AHRA
A	22	B42	CD		10	MF	2	0.1	20			Chrysotile	

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-L2-2CH-100704 *Lab/Cor Sample No.:* B4773 S32 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	23	B32	CDQ	9	11	F	0.65	0.1	6.5	5361	15263	Mg, Si Chrysotile Verified - KM	TAS_AHRA
A	24	B22		NSD									
A	25	B12		NSD									
A	26	B2		NSD									
A	27	C2	AQ	10		MD1-0	10	10	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	27	C2	AQ		12	MF	5.2	0.65	8.0			Mg, Al, Si, K, Ca, Fe Actinolite Alumino-actinolite	AFB>5, PCMEF-US
A	28	C12		NSD									
A	29	C22		NSD									
A	30	C32		NSD									
A	31	C42		NSD									
A	32	C1		NSD									
A	33	B1	AQ	11	13	F	15	4.5	3.3			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	34	B21		NSD									
A	35	B31	CM	12	14	F	1.2	0.1	12			Chrysotile	TAS_AHRA
A	36	B41		NSD									
B	37	B44	AQ	13	15	F	2.5	0.75	3.3			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	38	B34	CM	14		MD2-0	2	0.75	2.7			Chrysotile	TAS_AHRA
B	38	B34	CM		16	MF	1	0.05	20			Chrysotile	
B	38	B34	CM		17	MF	1	0.05	20			Chrysotile	
B	39	B24		NSD									
B	40	B14	AQ	15	18	F	5	0.75	6.7			MMg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	40	B14	AQ	16		MD1-0	6.5	5	1.3			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	40	B14	AQ		19	MF	2.5	0.35	7.1			Mg, Al, Si, Ca, Fe Actinolite	
B	41	B4	AQ	17	20	F	10	2.5	4.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	42	C4		NSD									
B	43	C14	CD	18		MD1-0	4	4	1.0			Chrysotile	TAS_AHRA
B	43	C14	CD		21	MF	3	0.1	30			Chrysotile	
B	44	C24	AQ	19	22	F	2.5	0.3	8.3			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	44	C24	AQ	20	23	F	4.5	0.35	13			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	45	C34		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-L2-2CH-100704 *Lab/Cor Sample No.:* B4773 S32 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	46	C44		NSD									
B	47	C43		NSD									
B	48	C33		NSD									
B	49	C23		NSD									
B	50	C13		NSD									
B	51	C3		NSD									
B	52	B3		NSD									
B	53	B13	AQ	21		MD1-0	15	10	1.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	53	B13	AQ		24	MF	3.5	0.65	5.4			Mg, Al, Si, Ca, Fe Actinolite Alumino-actinolite	
B	54	B23		NSD									
B	55	B33		NSD									
B	56	B43		NSD									
B	57	B32		NSD									
B	58	B22		NSD									
B	59	B12	CM	22	25	F	2	0.1	20			Chrysotile	TAS_AHRA
B	60	B2	AQ	23	26	F	4	1	4.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	61	A43		NSD									
C	62	A23		NSD									
C	63	A3		NSD									
C	64	D13		NSD									
C	65	D33	CDQ	24	27	F	1.5	0.04	38			Chrysotile	TAS_AHRA
C	66	D34		NSD									
C	67	D31		NSD									
C	68	C11		NSD									
C	69	A1		NSD									
C	70	A31		NSD									
C	71	A41		NSD									
C	72	B40		NSD									
C	73	B20		NSD									
C	74	C10	CDQ	25	28	B	1	0.2	5.0			Mg, Si Chrysotile	TAS_AHRA
C	74	C10	AQ	26	29	F	14.5	2.4	6.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	75	C30		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-L2-2CH-100704 *Lab/Cor Sample No.:* B4773 S32 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	76	C40		NSD									
C	77	C41		NSD									
C	78	C21	AQ	27	30	F	5.2	1	5.2			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	79	C2		NSD									
C	80	B12		NSD									
C	81	B22	CDQ	28	31	B	1	0.2	5.0			Mg, Si Chrysotile	TAS_AHRA
C	82	B32	CDQ	29	32	F	0.7	0.04	18			Mg, Si Chrysotile	TAS_AHRA
C	82	B32	CDQ	30	33	F	0.7	0.04	18			Mg, Si Chrysotile	TAS_AHRA
C	83	B42		NSD									
C	84	B43	AQ	31	34	F	5	0.7	7.1			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	85	B23		NSD									
C	86	B3		NSD									
C	87	C13		NSD									
C	88	C33	CDQ	32	35	F	0.8	0.1	8.0			Mg, Si Chrysotile	TAS_AHRA
C	89	C43		NSD									
C	90	C34	AQ	33	36	F	9	1.5	6.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CC9-L6-1CC-101004 *Lab/Cor Sample No.:* B4773 S38 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	D24		NSD									
A	2	D22		NSD									
A	3	D20		NSD									
A	4	C20		NSD									
A	5	C22		NSD									
A	6	C44	AZQ	1	1	F	2.5	0.7	3.6	952	693	Mg, Al, Si, Ca, Fe Actinolite Alumino-actinolite - Zone Axis [7 1 6] - KM	TAS_AHRA
A	7	C42		NSD									
A	8	C40		NSD									
A	9	D41		NSD									
A	10	D43		NSD									
A	11	D44		NSD									
A	12	D42		NSD									
A	13	C10		NSD									
A	14	C12		NSD									
A	15	C14		NSD									
B	16	C10		NSD									
B	17	C20		NSD									
B	18	C40		NSD									
B	19	C42		NSD									
B	20	C22		NSD									
B	21	C2		NSD									
B	22	C4		NSD									
B	23	B4		NSD									
B	24	B14		NSD									
B	25	B24		NSD									
B	26	B34		NSD									
B	27	B44		NSD									
B	28	B32		NSD									
B	29	B42		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-H1-6FD-101004 *Lab/Cor Sample No.:* B4773 S41 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B34		NSD									
A	2	B12	AQ	1	1	F	9.5	1.75	5.4		15268	Mg, Al, Si, Ca, Fe Actinolite Intersects left grid bar	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	3	C24		NSD									
A	4	C22		NSD									
A	5	D40	AZQ	2	2	B	4.5	1.25	3.6	5367	15269	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [3 1 1] - KM	TAS_AHRA
A	6	D33		NSD									
A	7	A42		NSD									
A	8	A2	AQ	3		MD1-1	15.5	10	1.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	8	A2	AQ		3	MF	5.25	0.45	12			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT
A	8	A2	AQ	4	4	F	11.5	3.5	3.3			Mg, Al, Si, Ca, Fe Actinolite Ferri-actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	8	A2	AQ	5	5	F	14.5	2.25	6.4			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	9	A22	AQ	6	6	F	15.25	3	5.1			Mg, Al, Si, Ca, Fe Actinolite Ferri-actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	10	C4	AQ	7	7	F	9	1.5	6.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	11	D21	AQ	8		MD1-0	9.5	6	1.6			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	11	D21	AQ		8	MF	1.8	0.4	4.5			Mg, Al, Si, Ca, Fe Actinolite	
B	12	B44		NSD									
B	13	B12	AQ	9		MD1-1	8	2	4.0			Actinolite	AS>5, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	13	B12	AQ		9	MF	8	1.25	6.4			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
B	13	B12	AQ	10	10	F	14	1.25	11			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	14	C20		NSD									
B	15	C1		NSD									
B	16	D41		NSD									
B	17	D2		NSD									
B	18	A33		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-H1-6FD-101004 *Lab/Cor Sample No.:* B4773 S41 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	19	A20		NSD									
B	20	C23		NSD									
B	21	D11		NSD									
B	22	A20		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-H1-7FD-101004 *Lab/Cor Sample No.:* B4773 S42 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B34		NSD									
A	2	B14		NSD									
A	3	B43		NSD									
A	4	B23		NSD									
A	5	B3		NSD									
A	6	B32		NSD									
A	7	B12		NSD									
A	8	B41		NSD									
A	9	B21		NSD									
A	10	B1		NSD									
A	11	B40		NSD									
A	12	A31		NSD									
A	13	A21		NSD									
A	14	A30	AQ	1		MD1-1	11	10	1.1			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	14	A30	AQ		1	MF	10	0.8	12		694	Mg,Al,Si,Ca,Fe Actinolite fiber too dense for diffraction	AFB>5, PCMEF-US
A	15	A40		NSD									
B	16	B43		NSD									
B	17	B23		NSD									
B	18	B3		NSD									
B	19	C13		NSD									
B	20	C33		NSD									
B	21	B31		NSD									
B	22	B11		NSD									
B	23	C1		NSD									
B	24	C21		NSD									
B	25	C41	AZQ	2	2	F	4.5	1	4.5	956	695	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [5 1 6] - KM	TAS_AHRA
B	26	A41		NSD									
B	27	A21		NSD									
B	28	A1		NSD									
B	29	D11		NSD									
B	30	D31		NSD									
C	31	B23		NSD									
C	32	B3		NSD									

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A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-H1-7FD-101004 *Lab/Cor Sample No.:* B4773 S42 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	33	C13		NSD									
C	34	C33	AQ	3	3	F	4.7	1.5	3.1			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	35	B31		NSD									
C	36	B11		NSD									
C	37	C1		NSD									
C	38	C21		NSD									
C	39	C41		NSD									
C	40	A41		NSD									
C	41	A21		NSD									
C	42	A1		NSD									
C	43	D11		NSD									
C	44	D21		NSD									
C	45	D41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-1CH-101004 *Lab/Cor Sample No.:* B4773 S43 A1

Descripiton:

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		NSD									
A	4	C14		NSD									
A	5	C34		NSD									
A	6	B33		NSD									
A	7	B13		NSD									
A	8	C3		NSD									
A	9	C23		NSD									
A	10	C43	AZQ	1	1	F	3.5	0.8	4.4	957	696	Mg, Al, Si, Ca, Fe Actinolite Alumino-actinolite - Zone Axis [5 1 4] - KM	TAS_AHRA
A	10	C43	AQ	2	2	F	7.5	1.2	6.2			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	11	B42		NSD									
A	12	B22		NSD									
A	13	B2		NSD									
A	14	C12		NSD									
A	15	C43		NSD									
A	16	B31		NSD									
A	17	B11		NSD									
A	18	C1		NSD									
A	19	C21		NSD									
A	20	C41		NSD									
A	21	A41		NSD									
A	22	A21		NSD									
A	23	A1		NSD									
A	24	D11		NSD									
A	25	D31		NSD									
A	26	A31		NSD									
A	27	A11		NSD									
A	28	D1		NSD									
A	29	D21		NSD									
B	30	B44		NSD									
B	31	B24		NSD									

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A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-1CH-101004 *Lab/Cor Sample No.:* B4773 S43 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	32	B14		NSD									
B	33	C4		NSD									
B	34	C24		NSD									
B	35	C44		NSD									
B	36	B33		NSD									
B	37	B13		NSD									
B	38	C3		NSD									
B	39	C23		NSD									
B	40	C43		NSD									
B	41	B32		NSD									
B	42	B12		NSD									
B	43	C2		NSD									
B	44	C22		NSD									
B	45	C42		NSD									
B	46	B41	AQ	3	3	F	13	3	4.3			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	47	B21		NSD									
B	48	B1		NSD									
B	49	C11		NSD									
B	50	C31		NSD									
B	51	A31		NSD									
B	52	A11		NSD									
B	53	D21		NSD									
B	54	D31		NSD									
B	55	D41		NSD									
B	56	A42		NSD									
B	57	D22		NSD									
C	58	B43		NSD									
C	59	B23		NSD									
C	60	B3		NSD									
C	61	C13		NSD									
C	62	C33		NSD									
C	63	C43		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-1CH-101004 *Lab/Cor Sample No.:* B4773 S43 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	64	C41	ADQ	4	4	F	6	0.3	20			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	65	C21		NSD									
C	66	C1		NSD									
C	67	B11		NSD									
C	68	B31		NSD									
C	69	B41	AQ	5	5	F	4.9	0.8	6.1			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	70	A30		NSD									
C	71	A10		NSD									
C	72	D10		NSD									
C	73	D30		NSD									
C	74	D40		NSD									
C	75	D42		NSD									
C	76	D22		NSD									
C	77	D2		NSD									
C	78	A12		NSD									
C	79	A32		NSD									
C	80	A42	AQ	6	6	F	9.8	2.7	3.6			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	81	A44		NSD									
C	82	A14		NSD									
C	83	D4		NSD									
C	84	D2		NSD									
C	85	D22		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-1NA-101004 *Lab/Cor Sample No.:* B4773 S44 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A43		NSD									
A	2	A23		NSD									
A	3	A3		NSD									
A	4	D13		NSD									
A	5	D33		NSD									
A	6	D43		NSD									
A	7	D41		NSD									
A	8	D21		NSD									
A	9	D1		NSD									
A	10	A11		NSD									
A	11	A31		NSD									
A	12	A41		NSD									
A	13	B40		NSD									
A	14	B20		NSD									
A	15	B10		NSD									
A	16	C10		NSD									
A	17	C30		NSD									
A	18	C40		NSD									
A	19	C42		NSD									
A	20	C22		NSD									
A	21	C2		NSD									
A	22	B12		NSD									
A	23	B32		NSD									
A	24	B42		NSD									
A	25	B44		NSD									
A	26	B24		NSD									
A	27	B14		NSD									
A	28	C24		NSD									
B	29	A44		NSD									
B	30	A24		NSD									
B	31	A4		NSD									
B	32	D14		NSD									
B	33	D34		NSD									
B	34	D42		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-1NA-101004 *Lab/Cor Sample No.:* B4773 S44 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	35	D22		NSD									
B	36	D2		NSD									
B	37	A12		NSD									
B	38	A32		NSD									
B	39	A42		NSD									
B	40	A40		NSD									
B	41	A20		NSD									
B	42	A10		NSD									
B	43	D10		NSD									
B	44	D30		NSD									
B	45	D40		NSD									
B	46	C41		NSD									
B	47	C21		NSD									
B	48	C1		NSD									
B	49	B11		NSD									
B	50	B31		NSD									
B	51	B41		NSD									
B	52	B43		NSD									
B	53	B23		NSD									
B	54	B3		NSD									
B	55	C13		NSD									
B	56	C23		NSD									
C	57	A43		NSD									
C	58	A23		NSD									
C	59	A3		NSD									
C	60	D13		NSD									
C	61	D43		NSD									
C	62	D41		NSD									
C	63	D21		NSD									
C	64	D1		NSD									
C	65	A11		NSD									
C	66	A31		NSD									
C	67	A41		NSD									
C	68	B40		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-1NA-101004 *Lab/Cor Sample No.:* B4773 S44 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	69	B30		NSD									
C	70	B10		NSD									
C	71	C10		NSD									
C	72	C30		NSD									
C	73	C42		NSD									
C	74	C22		NSD									
C	75	C2		NSD									
C	76	B12		NSD									
C	77	B32		NSD									
C	78	B42		NSD									
C	79	B44		NSD									
C	80	B24		NSD									
C	81	B4		NSD									
C	82	C14		NSD									
C	83	C34		NSD									
C	84	C43		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-2CH-101004 *Lab/Cor Sample No.:* B4773 S45 A1

Descripiton:

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	C34		NSD									
A	5	C33		NSD									
A	6	C13		NSD									
A	7	B13		NSD									
A	8	B33		NSD									
A	9	B32		NSD									
A	10	B12		NSD									
A	11	C2		NSD									
A	12	C22		NSD									
A	13	C41		NSD									
A	14	C21		NSD									
A	15	C1		NSD									
A	16	B11		NSD									
A	17	B31		NSD									
A	18	B40		NSD									
A	19	B20		NSD									
A	20	C10		NSD									
A	21	C30		NSD									
A	22	D20		NSD									
A	23	A20		NSD									
A	24	A40		NSD									
A	25	A41	CDQ	1	1	B	1.75	0.25	7.0	5368	15270	Mg, Si, Fe Chrysotile Verified - KM	TAS_AHRA
A	26	A21		NSD									
A	27	A1		NSD									
A	28	A12		NSD									
A	29	A32		NSD									
B	30	B44		NSD									
B	31	B24		NSD									
B	32	B4	CD	2		MD1-0	2	1	2.0			Chrysotile	TAS_AHRA
B	32	B4	CD		2	MF	1.2	0.05	24			Chrysotile	

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-2CH-101004 *Lab/Cor Sample No.:* B4773 S45 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	33	C14		NSD									
B	34	C13		NSD									
B	35	B3		NSD									
B	36	B23		NSD									
B	37	B43		NSD									
B	38	B42		NSD									
B	39	B22		NSD									
B	40	C2	AQ	3	3	F	3	0.6	5.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	41	C22	AZQ	4	4	F	2.6	0.45	5.8	5369	15271	Mg, Si, Ca, Fe Actinolite Zone Axis [9 1 6] - KM	TAS_AHRA
B	42	C41		NSD									
B	43	C21		NSD									
B	44	C1	AQ	5		MD1-1	11	4	2.8			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	44	C1	AQ		5	MF	9.5	1.2	7.9			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
B	45	B11		NSD									
B	46	B31		NSD									
B	47	B40	AQ	6	6	F	6.25	2	3.1			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	48	B20		NSD									
B	49	C10		NSD									
B	50	C30		NSD									
B	51	D40		NSD									
B	52	D20		NSD									
B	53	A10		NSD									
B	54	A30		NSD									
B	55	A41		NSD									
B	56	A21		NSD									
B	57	A1		NSD									
B	58	D11		NSD									
C	59	B44		NSD									
C	60	B24		NSD									
C	61	B4		NSD									
C	62	C14		NSD									
C	63	C34		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-2CH-101004 *Lab/Cor Sample No.:* B4773 S45 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	64	C43		NSD									
C	65	C23		NSD									
C	66	C3		NSD									
C	67	B13	AQ	7	7	F	1.25	0.25	5.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	67	B13	AQ	8	8	F	1.75	0.35	5.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	68	B33		NSD									
C	69	B42		NSD									
C	70	B22		NSD									
C	71	B2		NSD									
C	72	C12		NSD									
C	73	C32		NSD									
C	74	C41		NSD									
C	75	C21		NSD									
C	76	C1		NSD									
C	77	B11		NSD									
C	78	B31		NSD									
C	79	B40		NSD									
C	80	B20		NSD									
C	81	C10		NSD									
C	82	C30		NSD									
C	83	D40		NSD									
C	84	D20		NSD									
C	85	A10		NSD									
C	86	A30		NSD									
C	87	A41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-3CH-101004 *Lab/Cor Sample No.:* B4773 S46 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B34		NSD									
A	2	B14		NSD									
A	3	C4		NSD									
A	4	B43		NSD									
A	5	B23	AZQ	1	1	F	3.5	1	3.5	966	698	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [3 1 0] - KM	TAS_AHRA
A	6	B3	AZQ	2		MD1-0	9.5	6	1.6			Tremolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	6	B3	AZQ		2	MF	2	0.3	6.7	967	699	Mg, Al, Si, Ca, Fe Tremolite Zone Axis [5 -1 0] - KM	
A	7	C13		NSD									
A	8	B32		NSD									
A	9	B12		NSD									
A	10	C2		NSD									
A	11	C22		NSD									
A	12	B41		NSD									
A	13	B31		NSD									
A	14	B11		NSD									
A	15	C1		NSD									
A	16	C21		NSD									
A	17	A41		NSD									
A	18	A21		NSD									
A	19	A1		NSD									
A	20	D11		NSD									
A	21	D31	ADQ	3	3	F	4.2	0.7	6.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	22	A32		NSD									
A	23	A12		NSD									
A	24	D2		NSD									
A	25	D22		NSD									
A	26	D42		NSD									
A	27	B40		NSD									
A	28	B20		NSD									
A	29	A10		NSD									
B	30	B24		NSD									
B	31	B14		NSD									
B	32	B4		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-3CH-101004 *Lab/Cor Sample No.:* B4773 S46 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	33	C14	CD	4		MD1-0	6	6	1.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	33	C14	CD		4	MB	1.1	0.15	7.3	968		Chrysotile tilts into matrix - Verified - KM	
B	34	C34		NSD									
B	35	B43		NSD									
B	36	B13		NSD									
B	37	C3		NSD									
B	38	C23		NSD									
B	39	C43		NSD									
B	40	B42		NSD									
B	41	B22		NSD									
B	42	B2		NSD									
B	43	C12		NSD									
B	44	C32		NSD									
B	45	B31		NSD									
B	46	B11		NSD									
B	47	C1		NSD									
B	48	C21		NSD									
B	49	C41		NSD									
B	50	A41		NSD									
B	51	A21		NSD									
B	52	A1		NSD									
B	53	D11		NSD									
B	54	A42		NSD									
B	55	A32		NSD									
B	56	A12		NSD									
B	57	D2		NSD									
B	58	B10		NSD									
C	59	B34		NSD									
C	60	B14		NSD									
C	61	C4		NSD									
C	62	C24	ADQ	5	5	B	5.2	1.2	4.3			Mg, Al, Si, Ca, Fe Actinolite	AS>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	63	C44		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-3CH-101004 *Lab/Cor Sample No.:* B4773 S46 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	64	B43		NSD									
C	65	B23		NSD									
C	66	B3		NSD									
C	67	C13		NSD									
C	68	C33		NSD									
C	69	B32		NSD									
C	70	B12		NSD									
C	71	C2		NSD									
C	72	C22		NSD									
C	73	C42		NSD									
C	74	B41		NSD									
C	75	B21		NSD									
C	76	B2		NSD									
C	77	C12		NSD									
C	78	C32		NSD									
C	79	A31		NSD									
C	80	A11	AQ	6	6	F	2.5	0.6	4.2			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	80	A11	AQ	7	7	B	1.8	0.5	3.6			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	81	D1		NSD									
C	82	D21		NSD									
C	83	D41		NSD									
C	84	A32		NSD									
C	85	A22		NSD									
C	86	A2		NSD									
C	87	D12		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-4CH-101004 *Lab/Cor Sample No.:* B4773 S47 A1

Descripiton:

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		NSD									
A	4	C14		NSD									
A	5	C34		NSD									
A	6	C33		NSD									
A	7	C13	AZQ	1	1	F	3	0.6	5.0	5371	15272	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [5 1 0] - KM	TAS_AHRA
A	7	C13	CDQ	2		MD1-0	5.75	3	1.9			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	7	C13	CDQ		2	MF	1.75	0.05	35	5372	15273	Mg, Si, Fe Chrysotile Verified - KM	
A	8	B3	AQ	3	3	F	4	0.75	5.3			Actinolite	TAS_AHRA
A	9	B23		NSD									
A	10	B43		NSD									
A	11	B42		NSD									
A	12	B22		NSD									
A	13	B2		NSD									
A	14	C12		NSD									
A	15	C32		NSD									
A	16	C41		NSD									
A	17	C21		NSD									
A	18	C1		NSD									
A	19	B11		NSD									
A	20	B31		NSD									
A	21	B40	AQ	4		MD1-0	7	4.75	1.5			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	21	B40	AQ		4	MF	3	0.25	12			Mg, Al, Si, Ca, Fe Actinolite	
A	22	B20		NSD									
A	23	C10		NSD									
A	24	C30		NSD									
A	25	D40		NSD									
A	26	D20		NSD									
A	27	A10		NSD									
A	28	A30		NSD									
A	29	A41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-4CH-101004 *Lab/Cor Sample No.:* B4773 S47 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	30	B34		NSD									
B	31	B14		NSD									
B	32	C4		NSD									
B	33	C24		NSD									
B	34	C44		NSD									
B	35	C43		NSD									
B	36	C23		NSD									
B	37	C3	AQ	5		MD1-1	8.25	2.75	3.0			Actinolite	AS>5, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	37	C3	AQ		5	MF	5	0.75	6.7			Mg, Al, Si, Ca, Fe Actinolite	
B	38	B13		NSD									
B	39	B33		NSD									
B	40	B42		NSD									
B	41	B22		NSD									
B	42	B2		NSD									
B	43	C12		NSD									
B	44	C32		NSD									
B	45	C41		NSD									
B	46	C21		NSD									
B	47	C1		NSD									
B	48	B11		NSD									
B	49	B31		NSD									
B	50	B41		NSD									
B	51	A40		NSD									
B	52	A20	AQ	6	6	F	4.5	0.65	6.9		710	Mg, Al, Si, Ca, Fe Actinolite Ferrianactinolite	TAS_AHRA
B	53	A10		NSD									
B	54	D10		NSD									
B	55	D30		NSD									
B	56	D40		NSD									
B	57	D42		NSD									
B	58	D22		NSD									
B	59	D2		NSD									
B	60	A12		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-4CH-101004 *Lab/Cor Sample No.:* B4773 S47 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	61	A44		NSD									
C	62	A24		NSD									
C	63	A4		NSD									
C	64	D14		NSD									
C	65	D34		NSD									
C	66	D44		NSD									
C	67	D42		NSD									
C	68	D22		NSD									
C	69	D2		NSD									
C	70	A12		NSD									
C	71	A42		NSD									
C	72	A40		NSD									
C	73	A20		NSD									
C	74	A10		NSD									
C	75	D10		NSD									
C	76	C21		NSD									
C	77	C1		NSD									
C	78	B11		NSD									
C	79	B31		NSD									
C	80	B41	AQ	7	7	F	1.7	0.4	4.2			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	81	B43		NSD									
C	82	B23		NSD									
C	83	B3		NSD									
C	84	C13		NSD									
C	85	C33		NSD									
C	86	C43		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-5CH-101004 *Lab/Cor Sample No.:* B4773 S48 A1

Descripiton:

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	AZQ	1	1	F	6.2	0.6	10	969	700	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 3 4] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	6	B43	CDQ	2	2	F	1	0.1	10	970	701	Mg, Si Chrysotile Verified - KM	TAS_AHRA
A	7	B33		NSD									
A	8	B23		NSD									
A	9	B13		NSD									
A	10	B3		NSD									
A	11	B42		NSD									
A	12	B32		NSD									
A	13	B22		NSD									
A	14	B12		NSD									
A	15	B2		NSD									
A	16	B41		NSD									
A	17	B31		NSD									
A	18	B21	ADQ	3	3	F	4	0.6	6.7			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	19	B11		NSD									
A	20	B1		NSD									
A	21	A41		NSD									
A	22	A31		NSD									
A	23	A21		NSD									
A	24	A11		NSD									
A	25	A1		NSD									
A	26	A42		NSD									
A	27	A22		NSD									
A	28	A12		NSD									
B	29	B34		NSD									
B	30	B24		NSD									
B	31	B14		NSD									
B	32	B4		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-5CH-101004 *Lab/Cor Sample No.:* B4773 S48 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	33	C14	AQ	4	4	F	9	1.2	7.5			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	34	C24		NSD									
B	35	C34		NSD									
B	36	C44		NSD									
B	37	C33		NSD									
B	38	C23		NSD									
B	39	C13		NSD									
B	40	C3		NSD									
B	41	B3	AQ	5		MD1-0	6	1.5	4.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	41	B3	AQ		5	MF	5	0.75	6.7			Mg, Al, Si, Ca, Fe Actinolite	
B	42	B13		NSD									
B	43	B23		NSD									
B	44	B33		NSD									
B	45	B42	AQ	6	6	F	20	4.5	4.4			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	46	B22		NSD									
B	47	B12	AQ	7	7	F	7.5	1.5	5.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	47	B12	AQ	8		MD1-1	7.5	2	3.8			Actinolite	AS>5, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	47	B12	AQ		8	MF	7.5	1.2	6.2			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
B	48	B2		NSD									
B	49	C12		NSD									
B	50	C22		NSD									
B	51	C42		NSD									
B	52	C31		NSD									
B	53	C21		NSD									
B	54	C11		NSD									
B	55	C1		NSD									
B	56	B11		NSD									
C	57	B43		NSD									
C	58	B33		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-5CH-101004 *Lab/Cor Sample No.:* B4773 S48 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	59	B23		NSD									
C	60	B13		NSD									
C	61	B3		NSD									
C	62	C3		NSD									
C	63	C13		NSD									
C	64	C23		NSD									
C	65	C33		NSD									
C	66	C43		NSD									
C	67	B42	AZQ	9	9	F	6	1	6.0	5374	15275	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 -1 2] - KM	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	68	B32		NSD									
C	69	B22		NSD									
C	70	B12		NSD									
C	71	B2		NSD									
C	72	C2		NSD									
C	73	C12		NSD									
C	74	C22		NSD									
C	75	C32		NSD									
C	76	C42		NSD									
C	77	C41		NSD									
C	78	C31		NSD									
C	79	C21		NSD									
C	80	C11		NSD									
C	81	C1		NSD									
C	82	B1	AQ	10	10	F	4.5	1.2	3.7			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	83	B11		NSD									
C	84	B21		NSD									
C	85	B31		NSD									
C	86	B41		NSD									
C	87	B40		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.
Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-L2-1ZB-101004 *Lab/Cor Sample No.:* B4773 S52 A1
Descripiton:

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		NSD									
A	4	C14		NSD									
A	5	C34		NSD									
A	6	B33		NSD									
A	7	B13		NSD									
A	8	C3		NSD									
A	9	C23		NSD									
A	10	C43		NSD									
A	11	B42		NSD									
A	12	B22		NSD									
A	13	B2		NSD									
A	14	C12		NSD									
A	15	C32		NSD									
A	16	B31		NSD									
A	17	B11		NSD									
A	18	C1		NSD									
A	19	C21		NSD									
A	20	C41		NSD									
A	21	A41		NSD									
A	22	A31		NSD									
A	23	A11		NSD									
A	24	B1		NSD									
A	25	A40		NSD									
A	26	A30		NSD									
A	27	A10		NSD									
A	28	C10		NSD									
A	29	C30		NSD									
A	30	C40		NSD									
B	31	B44		NSD									
B	32	B24		NSD									
B	33	B4		NSD									
B	34	C14		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-L2-1ZB-101004 *Lab/Cor Sample No.:* B4773 S52 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	35	B43		NSD									
B	36	B33		NSD									
B	37	B13		NSD									
B	38	C3		NSD									
B	39	B42		NSD									
B	40	B22		NSD									
B	41	B12		NSD									
B	42	C2		NSD									
B	43	B31		NSD									
B	44	B11		NSD									
B	45	B1		NSD									
B	46	C1		NSD									
B	47	B40		NSD									
B	48	B30		NSD									
B	49	B20		NSD									
B	50	B10		NSD									
B	51	A41		NSD									
B	52	A31		NSD									
B	53	A21		NSD									
B	54	A11		NSD									
B	55	A1		NSD									
B	56	A42		NSD									
B	57	A32		NSD									
B	58	A22		NSD									
B	59	A40		NSD									
B	60	A20		NSD									
C	61	B43		NSD									
C	62	B23		NSD									
C	63	B3		NSD									
C	64	C3		NSD									
C	65	C23		NSD									
C	66	C43		NSD									
C	67	B42		NSD									
C	68	B32		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-L2-1ZB-101004 *Lab/Cor Sample No.:* B4773 S52 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	69	B22		NSD									
C	70	B2		NSD									
C	71	C12		NSD									
C	72	C32		NSD									
C	73	B31		NSD									
C	74	B11		NSD									
C	75	C1		NSD									
C	76	C11		NSD									
C	77	C21		NSD									
C	78	C41		NSD									
C	79	C10		NSD									
C	80	C20		NSD									
C	81	C30		NSD									
C	82	C40		NSD									
C	83	A31		NSD									
C	84	A11		NSD									
C	85	D1		NSD									
C	86	D21		NSD									
C	87	D41		NSD									
C	88	A22		NSD									
C	89	A2		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-L2-FB-101004 *Lab/Cor Sample No.:* B4773 S57 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B4		NSD									
A	2	C4		NSD									
A	3	C14		NSD									
A	4	C34		NSD									
A	5	C44		NSD									
A	6	C13		NSD									
A	7	C3		NSD									
A	8	B3		NSD									
A	9	B13		NSD									
A	10	B23		NSD									
A	11	B33		NSD									
A	12	B43		NSD									
A	13	B42		NSD									
A	14	B32		NSD									
A	15	B22		NSD									
A	16	B12		NSD									
A	17	B2		NSD									
A	18	C2		NSD									
A	19	C12		NSD									
A	20	C22		NSD									
A	21	C42		NSD									
A	22	C41		NSD									
A	23	C31		NSD									
A	24	C21		NSD									
A	25	C11		NSD									
A	26	C1		NSD									
A	27	B1		NSD									
A	28	B11		NSD									
A	29	B21		NSD									
A	30	B31		NSD									
A	31	B41		NSD									
B	32	B44		NSD									
B	33	B34		NSD									
B	34	B24		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-L2-FB-101004 *Lab/Cor Sample No.:* B4773 S57 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	35	B14		NSD									
B	36	B4		NSD									
B	37	C4		NSD									
B	38	C14		NSD									
B	39	C24		NSD									
B	40	C34		NSD									
B	41	C44		NSD									
B	42	C43		NSD									
B	43	C33		NSD									
B	44	C23		NSD									
B	45	C13		NSD									
B	46	C3		NSD									
B	47	B3		NSD									
B	48	B13		NSD									
B	49	B23		NSD									
B	50	B33		NSD									
B	51	B43		NSD									
B	52	B42		NSD									
B	53	B32		NSD									
B	54	B22		NSD									
B	55	B12		NSD									
B	56	B2		NSD									
B	57	C2		NSD									
B	58	C12		NSD									
B	59	C22		NSD									
B	60	C41		NSD									
B	61	C31		NSD									
B	62	C21		NSD									
C	63	B44		NSD									
C	64	B34		NSD									
C	65	B24		NSD									
C	66	B14		NSD									
C	67	B4		NSD									
C	68	C4		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-L2-FB-101004 *Lab/Cor Sample No.:* B4773 S57 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	69	C14		NSD									
C	70	C24		NSD									
C	71	C34		NSD									
C	72	C44		NSD									
C	73	C43		NSD									
C	74	C33		NSD									
C	75	C23		NSD									
C	76	C13		NSD									
C	77	C3		NSD									
C	78	B2		NSD									
C	79	B12		NSD									
C	80	B22		NSD									
C	81	B32		NSD									
C	82	B42		NSD									
C	83	B41		NSD									
C	84	B31		NSD									
C	85	B21		NSD									
C	86	B11		NSD									
C	87	B1		NSD									
C	88	C1		NSD									
C	89	C11		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-1CH-101004 *Lab/Cor Sample No.:* B4773 S58 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B34		NSD									
A	2	B14		NSD									
A	3	C4	ADQ	1		MD1-0	15	8	1.9			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	3	C4	ADQ		1	MF	3.8	1.2	3.2			Mg, Al, Si, Ca, Fe Actinolite	
A	4	C24		NSD									
A	5	C44		NSD									
A	6	B43		NSD									
A	7	B23		NSD									
A	8	B3		NSD									
A	9	C13		NSD									
A	10	C33		NSD									
A	11	B32		NSD									
A	12	B12		NSD									
A	13	C2		NSD									
A	14	C22		NSD									
A	15	C42		NSD									
A	16	B41		NSD									
A	17	B21		NSD									
A	18	B1		NSD									
A	19	C11		NSD									
A	20	C31		NSD									
A	21	A41		NSD									
A	22	A21	AQ	2	2	F	1.5	0.12	12			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	23	A1		NSD									
A	24	D11		NSD									
A	25	D31		NSD									
A	26	A32		NSD									
A	27	A12		NSD									
A	28	D2		NSD									
A	29	D22		NSD									
A	30	D32		NSD									
A	31	D42		NSD									
B	32	A22		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-1CH-101004 *Lab/Cor Sample No.:* B4773 S58 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	33	A12		NSD									
B	34	A2		NSD									
B	35	D2		NSD									
B	36	D12		NSD									
B	37	D22		NSD									
B	38	D32		NSD									
B	39	D42		NSD									
B	40	A11	AZQ	3	3	B	4.8	2.5	1.9	5375	15276	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [3 1 0] - KM	TAS_AHRA
B	41	A1		NSD									
B	42	D1		NSD									
B	43	D11		NSD									
B	44	D21		NSD									
B	45	D31		NSD									
B	46	D41		NSD									
B	47	D10		NSD									
B	48	D20		NSD									
B	49	D30		NSD									
B	50	D40		NSD									
B	51	C10		NSD									
B	52	C20		NSD									
B	53	C30		NSD									
B	54	C40		NSD									
B	55	C1		NSD									
B	56	C21	AQ	4	4	F	11	3.2	3.4			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	57	C31	AQ	5	5	F	2.2	0.45	4.9			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	58	C41		NSD									
B	59	C2		NSD									
B	60	C22		NSD									
B	61	A10		NSD									
B	62	A3		NSD									
C	63	B44		NSD									
C	64	B24	ADQ	6		MD1-1	15.5	6	2.6			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.
Project Name: Site #0440.01CP Sample Set #5 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-1CH-101004 *Lab/Cor Sample No.:* B4773 S58 A1
Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	64	B24	ADQ		6	MF	15.5	2.25	6.9		15283	Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	65	B4		NSD									
C	66	C14		NSD									
C	67	C34		NSD									
C	68	C43		NSD									
C	69	C23	AQ	7		MD1-1	7.5	3.75	2.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	69	C23	AQ		7	MF	5.25	1.25	4.2			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
C	70	C3		NSD									
C	71	B13		NSD									
C	72	B33		NSD									
C	73	B24		NSD									
C	74	B22		NSD									
C	75	B2		NSD									
C	76	C12		NSD									
C	77	C32		NSD									
C	78	C41		NSD									
C	79	C21		NSD									
C	80	C1		NSD									
C	81	B11		NSD									
C	82	B31		NSD									
C	83	B40	AQ	8		MD	19	12	1.6			Actinolite Intersects top grid bar	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	83	B40	AQ		8	MF	9.75	0.45	22			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT
C	84	B20		NSD									
C	85	C10		NSD									
C	86	C30		NSD									
C	87	D40		NSD									
C	88	D20		NSD									
C	89	A10		NSD									
C	90	A30		NSD									
C	91	A41		NSD									
C	92	A21		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-1NA-101004 *Lab/Cor Sample No.:* B4773 S59 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A13		NSD									
A	2	D3		NSD									
A	3	D23		NSD									
A	4	D43		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		NSD									
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		NSD									
A	19	B12		NSD									
A	20	B32		NSD									
A	21	B42		NSD									
A	22	B44		NSD									
A	23	B24		NSD									
A	24	B4		NSD									
A	25	C24		NSD									
A	26	C41		NSD									
A	27	C21		NSD									
A	28	C1		NSD									
A	29	B21		NSD									
B	30	D14		NSD									
B	31	D34		NSD									
B	32	D43		NSD									
B	33	D33		NSD									
B	34	D11		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-1NA-101004 *Lab/Cor Sample No.:* B4773 S59 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	35	D31		NSD									
B	36	D41		NSD									
B	37	C40		NSD									
B	38	C20		NSD									
B	39	B41		NSD									
B	40	B21		NSD									
B	41	B1		NSD									
B	42	C11		NSD									
B	43	C31		NSD									
B	44	C41		NSD									
B	45	C43		NSD									
B	46	C23		NSD									
B	47	C3		NSD									
B	48	B3		NSD									
B	49	B23		NSD									
B	50	B33		NSD									
B	51	B43		NSD									
B	52	B44		NSD									
B	53	B24		NSD									
B	54	B4		NSD									
B	55	C14		NSD									
B	56	C34		NSD									
B	57	C44		NSD									
C	58	A24		NSD									
C	59	A4		NSD									
C	60	D14		NSD									
C	61	D42	CDQ	1		MD	1	0.6	1.7			Chrysotile	TAS_AHRA
C	61	D42	CDQ		1	MF	1	0.08	12	971	703	Mg, Si Chrysotile Verified - KM	
C	62	D22		NSD									
C	63	D2		NSD									
C	64	A12		NSD									
C	65	A32		NSD									
C	66	A42		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-1NA-101004 *Lab/Cor Sample No.:* B4773 S59 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	67	A40		NSD									
C	68	A20		NSD									
C	69	A10		NSD									
C	70	D10		NSD									
C	71	D30		NSD									
C	72	D40		NSD									
C	73	C41		NSD									
C	74	C21		NSD									
C	75	C11		NSD									
C	76	B11		NSD									
C	77	B31		NSD									
C	78	B41		NSD									
C	79	B43		NSD									
C	80	B23		NSD									
C	81	B3		NSD									
C	82	C24		NSD									
C	83	B4		NSD									
C	84	B24		NSD									
C	85	B44		NSD									
C	86	B42		NSD									
C	87	B22		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-1ZB-101004 *Lab/Cor Sample No.:* B4773 S60 A1

Descripiton:

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	C43		NSD									
A	12	C33		NSD									
A	13	C23		NSD									
A	14	C13		NSD									
A	15	C3		NSD									
A	16	B3		NSD									
A	17	B13		NSD									
A	18	B23		NSD									
A	19	B33		NSD									
A	20	B43		NSD									
A	21	B42		NSD									
A	22	B32		NSD									
A	23	B22		NSD									
A	24	B12		NSD									
A	25	B2		NSD									
A	26	C2		NSD									
A	27	C12		NSD									
A	28	C22		NSD									
A	29	C32		NSD									
A	30	C42		NSD									
A	31	B1		NSD									
B	32	A43		NSD									
B	33	A33		NSD									
B	34	A23		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-1ZB-101004 *Lab/Cor Sample No.:* B4773 S60 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	35	A13		NSD									
B	36	A3		NSD									
B	37	D3		NSD									
B	38	D13		NSD									
B	39	D23		NSD									
B	40	D33		NSD									
B	41	D43		NSD									
B	42	D42		NSD									
B	43	D32		NSD									
B	44	D22		NSD									
B	45	D12		NSD									
B	46	D2		NSD									
B	47	A2		NSD									
B	48	A12		NSD									
B	49	A22		NSD									
B	50	A32		NSD									
B	51	A42		NSD									
B	52	A40		NSD									
B	53	A30		NSD									
B	54	A20		NSD									
B	55	A10		NSD									
B	56	B41		NSD									
B	57	B31		NSD									
B	58	B21		NSD									
B	59	B11		NSD									
B	60	B1		NSD									
B	61	C1		NSD									
B	62	C11		NSD									
B	63	C21		NSD									
B	64	C31		NSD									
B	65	C41		NSD									
C	66	B44		NSD									
C	67	B34		NSD									
C	68	B24		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-1ZB-101004 *Lab/Cor Sample No.:* B4773 S60 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	69	B14		NSD									
C	70	B4		NSD									
C	71	C4		NSD									
C	72	C14		NSD									
C	73	C24		NSD									
C	74	C34		NSD									
C	75	C44		NSD									
C	76	C43		NSD									
C	77	C23		NSD									
C	78	C3		NSD									
C	79	B13		NSD									
C	80	B33		NSD									
C	81	B43		NSD									
C	82	B32		NSD									
C	83	B22		NSD									
C	84	B12		NSD									
C	85	B2		NSD									
C	86	B1		NSD									
C	87	C11		NSD									
C	88	C31		NSD									
C	89	C41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-2CH-101004 *Lab/Cor Sample No.:* B4773 S61 A1

Descripiton:

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	C43		NSD									
A	11	C33		NSD									
A	12	C23		NSD									
A	13	C13		NSD									
A	14	C3		NSD									
A	15	B3		NSD									
A	16	B13		NSD									
A	17	B23		NSD									
A	18	B33		NSD									
A	19	B43	AQ	1		MD1-0	3	3	1.0			Actinolite	TAS_AHRA
A	19	B43	AQ		1	MF	1.5	0.5	3.0			Mg, Al, Si, Ca, Fe Actinolite	
A	20	B42		NSD									
A	21	B32		NSD									
A	22	B22		NSD									
A	23	B12		NSD									
A	24	B2		NSD									
A	25	C2		NSD									
A	26	C12		NSD									
A	27	C22		NSD									
A	28	C32		NSD									
A	29	C42		NSD									
A	30	C31		NSD									
B	31	B41		NSD									
B	32	B31		NSD									
B	33	B21	AQ	2	2	F	4.5	0.65	6.9			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-2CH-101004 *Lab/Cor Sample No.:* B4773 S61 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	34	B11		NSD									
B	35	B1		NSD									
B	36	C1		NSD									
B	37	C11		NSD									
B	38	C21	AQ	3		MD1-0	3.5	2	1.8			Actinolite	TAS_AHRA
B	38	C21	AQ		3	MF	3.5	0.65	5.4			Mg, Al, Si, Ca, Fe Actinolite	
B	39	C31		NSD									
B	40	C41	AQ	4	4	F	11	2	5.5			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	41	C32		NSD									
B	42	C12		NSD									
B	43	B2		NSD									
B	44	B22		NSD									
B	45	B42		NSD									
B	46	B33		NSD									
B	47	B13		NSD									
B	48	C3		NSD									
B	49	C23		NSD									
B	50	C43		NSD									
B	51	C34		NSD									
B	52	C14		NSD									
B	53	B4		NSD									
B	54	B24		NSD									
B	55	A41		NSD									
B	56	A21		NSD									
B	57	A1		NSD									
B	58	D11		NSD									
B	59	D31		NSD									
B	60	D40	AZQ	5	5	F	2.5	0.5	5.0	5391	707	Mg, Si, Ca, Fe Tremolite Zone Axis [1 0 0] - KM	TAS_AHRA
B	61	D30		NSD									
B	62	D20	AZQ	6	6	F	1.5	0.3	5.0	5392	15287	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 0 0] - KM	TAS_AHRA
C	63	B44		NSD									
C	64	B34		NSD									

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A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-2CH-101004 *Lab/Cor Sample No.:* B4773 S61 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	65	B24		NSD									
C	66	B14		NSD									
C	67	B4		NSD									
C	68	C4		NSD									
C	69	C14		NSD									
C	70	C24		NSD									
C	71	C34		NSD									
C	72	C44		NSD									
C	73	C43		NSD									
C	74	C23		NSD									
C	75	C3		NSD									
C	76	B13		NSD									
C	77	B33		NSD									
C	78	B43		NSD									
C	79	B42		NSD									
C	80	B32		NSD									
C	81	B22		NSD									
C	82	B12		NSD									
C	83	B2		NSD									
C	84	C2		NSD									
C	85	C12		NSD									
C	86	C22		NSD									
C	87	C32		NSD									
C	88	C42		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-3CH-101004 *Lab/Cor Sample No.:* B4773 S62 A1

Descripiton:

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		NSD									
A	4	C14	AZQ	1		MD1-0	25	15	1.7			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	4	C14	AZQ		1	MF	3.75	0.25	15	5387	15284	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [-1 0 4] - KM	
A	5	C34	ADQ	2	2	F	0.5	0.2	2.5			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	6	C43		NSD									
A	7	C23		NSD									
A	8	B33		NSD									
A	9	B13		NSD									
A	10	C3		NSD									
A	11	B42		NSD									
A	12	B22		NSD									
A	13	B2		NSD									
A	14	C12		NSD									
A	15	C32		NSD									
A	16	B31		NSD									
A	17	B11		NSD									
A	18	C1		NSD									
A	19	C21		NSD									
A	20	C41	AQ	3	3	F	1.3	0.16	8.1			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	21	A41		NSD									
A	22	A21		NSD									
A	23	A1		NSD									
A	24	D11	AQ	4	4	F	3.8	0.5	7.6			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	25	D31		NSD									
A	26	A42	AQ	5	5	F	12.5	3.2	3.9			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	27	A22		NSD									
A	28	A2		NSD									
A	29	D12		NSD									
B	30	B34		NSD									
B	31	B14		NSD									

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A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-3CH-101004 *Lab/Cor Sample No.:* B4773 S62 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	32	C4		NSD									
B	33	C24		NSD									
B	34	C44		NSD									
B	35	B43		NSD									
B	36	B23		NSD									
B	37	B3		NSD									
B	38	C13		NSD									
B	39	C33		NSD									
B	40	B32		NSD									
B	41	B12		NSD									
B	42	C2		NSD									
B	43	C22		NSD									
B	44	C42		NSD									
B	45	B41		NSD									
B	46	B21		NSD									
B	47	B1		NSD									
B	48	C11		NSD									
B	49	C31	AQ	6	6	F	18	2.5	7.2			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	50	A41		NSD									
B	51	A21		NSD									
B	52	A1		NSD									
B	53	D11		NSD									
B	54	D31		NSD									
B	55	A32		NSD									
B	56	A12	AQ	7	7	F	7.8	0.8	9.8			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	57	D2		NSD									
B	58	D22		NSD									
C	59	B44		NSD									
C	60	B24		NSD									
C	61	B4		NSD									
C	62	C14		NSD									
C	63	C34		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-3CH-101004 *Lab/Cor Sample No.:* B4773 S62 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	64	B33		NSD									
C	65	B13		NSD									
C	66	C3		NSD									
C	67	C23	AQ	8	8	F	6.5	1.7	3.8			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	68	C43		NSD									
C	69	B42		NSD									
C	70	B22		NSD									
C	71	B2	AQ	9	9	F	3.2	0.5	6.4			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	72	C12		NSD									
C	73	C32		NSD									
C	74	B31		NSD									
C	75	B11	AD	10	10	F	2.7	0.45	6.0			Actinolite tilts into grid bar	TAS_AHRA
C	76	C1		NSD									
C	77	C21		NSD									
C	78	C41		NSD									
C	79	B40		NSD									
C	80	B30		NSD									
C	81	B10		NSD									
C	82	C10		NSD									
C	83	C30		NSD									
C	84	A40		NSD									
C	85	A20		NSD									
C	86	D20		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-4CH-101004 *Lab/Cor Sample No.:* B4773 S63 A1

Descripiton:

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	C43		NSD									
A	11	C33		NSD									
A	12	C23		NSD									
A	13	C13		NSD									
A	14	C3		NSD									
A	15	B3		NSD									
A	16	B13	AQ	1	1	F	16	2	8.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	17	B23		NSD									
A	18	B33		NSD									
A	19	B43		NSD									
A	20	B42		NSD									
A	21	B32		NSD									
A	22	B22		NSD									
A	23	B12		NSD									
A	24	B2		NSD									
A	25	C2		NSD									
A	26	C12		NSD									
A	27	C22		NSD									
A	28	C32	AQ	2	2	F	9	2	4.5			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	29	C31		NSD									
A	30	C21		NSD									
A	31	C11		NSD									
B	32	A42		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-4CH-101004 *Lab/Cor Sample No.:* B4773 S63 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	33	A32		NSD									
B	34	A22		NSD									
B	35	A12		NSD									
B	36	A2		NSD									
B	37	D2		NSD									
B	38	D12		NSD									
B	39	D22		NSD									
B	40	D32		NSD									
B	41	D42		NSD									
B	42	D41		NSD									
B	43	D31		NSD									
B	44	D21		NSD									
B	45	D11		NSD									
B	46	D1		NSD									
B	47	A1		NSD									
B	48	A11		NSD									
B	49	A21		NSD									
B	50	A31		NSD									
B	51	A41		NSD									
B	52	B42		NSD									
B	53	B32		NSD									
B	54	B22		NSD									
B	55	B12		NSD									
B	56	B2		NSD									
B	57	C2		NSD									
B	58	C12		NSD									
B	59	C22		NSD									
B	60	C32		NSD									
B	61	C42		NSD									
C	62	A44		NSD									
C	63	A24		NSD									
C	64	A4		NSD									
C	65	D14		NSD									
C	66	D34		NSD									

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A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-4CH-101004 *Lab/Cor Sample No.:* B4773 S63 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	67	D44		NSD									
C	68	D42		NSD									
C	69	D22		NSD									
C	70	D2		NSD									
C	71	A12		NSD									
C	72	A32		NSD									
C	73	A42		NSD									
C	74	A40		NSD									
C	75	A20		NSD									
C	76	A10		NSD									
C	77	D10	AZQ	3	3	F	4	0.6	6.7	976	708	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [2 0 1] - KM	TAS_AHRA
C	78	D30		NSD									
C	79	D40		NSD									
C	80	C41		NSD									
C	81	C21	CDQ	4		MD1-0	5.5	2.8	2.0			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	81	C21	CDQ		4	MF	4.2	0.06	70	977	709	Mg, Si Chrysotile Verified - KM	
C	82	C1		NSD									
C	83	B11		NSD									
C	84	B31		NSD									
C	85	B41		NSD									
C	86	B43		NSD									
C	87	B23		NSD									
C	88	B3		NSD									
C	89	C13		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-5CH-101004 *Lab/Cor Sample No.:* B4773 S64 A1

Descripiton:

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		NSD									
A	4	C13		NSD									
A	5	C33		NSD									
A	6	B32		NSD									
A	7	B12	AQ	1		MD1-1	13	13	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	7	B12	AQ		1	MF	6	1.3	4.6			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	8	C2		NSD									
A	9	C22		NSD									
A	10	C42		NSD									
A	11	B41		NSD									
A	12	B21		NSD									
A	13	B1		NSD									
A	14	C11		NSD									
A	15	C31		NSD									
A	16	A31		NSD									
A	17	A11		NSD									
A	18	D1	CDQ	2		MD1-0	3.5	1.2	2.9			Chrysotile	TAS_AHRA
A	18	D1	CDQ		2	MB	2.2	0.15	15	5389	15285	Mg, Si Chrysotile Verified - KM	
A	19	D21	AZQ	3	3	F	4.2	0.4	10	5390	15286	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 0 4] - KM	TAS_AHRA
A	20	D41		NSD									
A	21	A42		NSD									
A	22	A32		NSD									
A	23	A12		NSD									
A	24	D2		NSD									
A	25	D22		NSD									
A	26	D42		NSD									
A	27	B30	ADQ	4	4	B	4.5	0.25	18			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	28	B20		NSD									
A	29	B10		NSD									
B	30	B44		NSD									
B	31	B24		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-5CH-101004 *Lab/Cor Sample No.:* B4773 S64 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	32	B4		NSD									
B	33	C14		NSD									
B	34	C34		NSD									
B	35	B33		NSD									
B	36	B13		NSD									
B	37	C3		NSD									
B	38	C23		NSD									
B	39	C44		NSD									
B	40	B42		NSD									
B	41	B22		NSD									
B	42	B2		NSD									
B	43	C12		NSD									
B	44	C32		NSD									
B	45	B31		NSD									
B	46	B11		NSD									
B	47	C1		NSD									
B	48	C21		NSD									
B	49	C41		NSD									
B	50	A41		NSD									
B	51	A21		NSD									
B	52	A1		NSD									
B	53	D11		NSD									
B	54	D31		NSD									
B	55	A32		NSD									
B	56	A12		NSD									
B	57	D2		NSD									
B	58	D22		NSD									
C	59	B44		NSD									
C	60	B24		NSD									
C	61	B4		NSD									
C	62	C14		NSD									
C	63	C34		NSD									
C	64	B33		NSD									
C	65	B13		NSD									

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A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-L2-5CH-101004 *Lab/Cor Sample No.:* B4773 S64 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	66	C3		NSD									
C	67	C23		NSD									
C	68	C43		NSD									
C	69	B42		NSD									
C	70	B22		NSD									
C	71	B2		NSD									
C	72	C12		NSD									
C	73	C32		NSD									
C	74	B31		NSD									
C	75	B11		NSD									
C	76	C1		NSD									
C	77	C21		NSD									
C	78	C41		NSD									
C	79	A41		NSD									
C	80	A21		NSD									
C	81	A1		NSD									
C	82	D11		NSD									
C	83	D31		NSD									
C	84	A32	AQ	5	5	F	4.8	1.5	3.2			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
C	85	A12		NSD									
C	86	D12		NSD									
C	87	D22		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TRA-L2-1ZP-100904 *Lab/Cor Sample No.:* B4773 S65 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B4	ADQ	1	1	F	10	0.4	25			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	1	B4	ADQ	2	2	F	1.5	0.35	4.3			Tremolite	TAS_AHRA
A	1	B4	ADQ	3	3	F	6	1.5	4.0			Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	1	B4	AZQ	4	4	F	3	0.35	8.6	5393	15288	Tremolite Zone Axis [2 1 1] - KM	TAS_AHRA
A	1	B4	AQ	5	5	F	4	1.2	3.3			Tremolite	TAS_AHRA
A	1	B4	AQ	6	6	F	2	0.4	5.0			Tremolite	TAS_AHRA
A	1	B4	AQ	7	7	F	3.8	1.1	3.5			Tremolite	TAS_AHRA
A	1	B4	CDQ	8	8	F	1.8	0.02	90	5394	15289	Mg, Si Chrysotile Verified - KM	TAS_AHRA
A	1	B4	CD	9	9	F	0.5	0.02	25			Chrysotile	TAS_AHRA
A	1	B4	AQ	10	10	F	1.2	0.2	6.0			Tremolite	TAS_AHRA
A	1	B4	CDQ	11	11	CC10-2	9	0.4	22			Chrysotile	AS>5, PCMES-US, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT
A	1	B4	CD	12	12	F	2.1	0.08	26			Chrysotile	TAS_AHRA
A	1	B4	CD	13	13	F	2.3	0.08	29			Chrysotile	TAS_AHRA
A	2	A41	CMQ	14	14	B	3	0.25	12			Mg, Si Chrysotile	TAS_AHRA
A	2	A41	CM	15	15	F	3.5	0.15	23			Chrysotile	TAS_AHRA
A	2	A41	CD	16	16	F	1	0.05	20			Chrysotile	TAS_AHRA
A	2	A41	CD	17	17	F	1	0.05	20			Chrysotile	TAS_AHRA
A	2	A41	CD	18	18	F	2	0.1	20			Chrysotile	TAS_AHRA
A	2	A41	CM	19	19	F	0.75	0.01	75			Chrysotile	TAS_AHRA
A	2	A41	AQ	20	20	F	2.5	0.2	12			Mg, Si, Ca Tremolite	TAS_AHRA
A	2	A41	AQ	21	21	F	7.5	1.2	6.2			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	2	A41	CMQ	22	22	CC20-1	6	6	1.0			Mg, Si Chrysotile	AS>5
A	2	A41	AQ	23	23	F	2	0.2	10			Mg, Si Tremolite	TAS_AHRA
A	2	A41	AQ	24	24	F	0.75	0.15	5.0			Mg, Si Tremolite	TAS_AHRA
A	2	A41	CMQ	25	25	CC10-0	4	4	1.0			Mg, Si Chrysotile	
A	2	A41	CM	26	26	F	0.75	0.05	15			Chrysotile	TAS_AHRA
A	2	A41	AQ	27	27	F	1	0.05	20			Mg, Si, Ca Tremolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TRA-L2-1ZP-100904 *Lab/Cor Sample No.:* B4773 S65 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	3	D41	AQ	28	28	F	4	1	4.0			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	D41	AQ	29	29	F	2.5	0.75	3.3			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	D41	AQ	30	30	F	45	2.75	16			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	3	D41	CM	31	31	F	2.5	0.05	50			Chrysotile	TAS_AHRA
B	3	D41	AQ	32	32	F	1.5	0.5	3.0			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	D41	AQ	33	33	F	2.5	0.15	17			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	D41	CMQ	34	34	F	2.5	0.05	50			Mg, Si Chrysotile	TAS_AHRA
B	3	D41	CMQ	35	35	F	0.5	0.05	10			Mg, Si Chrysotile	TAS_AHRA
B	3	D41	CM	36	36	F	4	0.1	40			Chrysotile	TAS_AHRA
B	3	D41	CM	37	37	F	1	0.05	20			Chrysotile	TAS_AHRA
B	3	D41	CMQ	38	38	F	1	0.05	20			Mg, Si Chrysotile	TAS_AHRA
B	3	D41	CMQ	39	39	F	1	0.05	20			Mg, Si Chrysotile	TAS_AHRA
B	3	D41	AZQ	40	40	F	5	0.7	7.1	5395	15291	Mg, Si, Ca, Fe Tremolite Zone Axis [1 0 1] - KM	TAS_AHRA
B	3	D41	AQ	41	41	F	2.5	0.6	4.2			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	D41	AQ	42	42	F	4.5	0.25	18			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	D41	AQ	43	43	F	2	0.4	5.0			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	D41	AQ	44	44	F	5.5	0.75	7.3			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	3	D41	CM	45	45	F	3.5	0.1	35			Chrysotile	TAS_AHRA
B	3	D41	CM	46	46	F	2.5	0.05	50			Chrysotile	TAS_AHRA
B	3	D41	CD	47	47	F	2.5	0.1	25			Chrysotile	TAS_AHRA
B	3	D41	AQ	48	48	F	2.5	0.75	3.3			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	D41	AQ	49	49	F	7.5	2	3.8			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	3	D41	CD	50	50	B	3	0.15	20			Chrysotile	TAS_AHRA
B	3	D41	AQ	51	51	F	4	0.3	13			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	D41	AQ	52	52	F	2	0.15	13			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	D41	CM	53	53	F	1	0.05	20			Chrysotile	TAS_AHRA
C	4	C21	CD	54	54	B	22.5	0.5	45			Chrysotile	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS >10, PSAS TOT, PCAS >10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	4	C21	CD	55	55	F	1.8	0.1	18			Chrysotile	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TRA-L2-1ZP-100904 *Lab/Cor Sample No.:* B4773 S65 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	4	C21	CD	56	56	F	1.1	0.08	14			Chrysotile	TAS_AHRA
C	4	C21	AQ	57	57	F	5.8	0.5	12			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	4	C21	AQ	58	58	F	6	1.3	4.6			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	4	C21	AQ	59	59	F	1.1	0.15	7.3			Mg, Si, Ca Tremolite	TAS_AHRA
C	4	C21	AQ	60	60	F	4	1.2	3.3			Mg, Si, Ca Tremolite	TAS_AHRA
C	4	C21	CD	61	61	B	3	0.2	15			Chrysotile	TAS_AHRA
C	4	C21	AQ	62	62	F	3.3	0.3	11			Mg, Si, Ca Tremolite	TAS_AHRA
C	4	C21	CD	63	63	B	2	0.12	17			Chrysotile	TAS_AHRA
C	4	C21	CM	64	64	F	0.6	0.02	30			Chrysotile	TAS_AHRA
C	4	C21	CD	65	65	F	2	0.1	20			Chrysotile	TAS_AHRA
C	4	C21	AQ	66	66	F	5.5	1	5.5			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	4	C21	AQ	67	67	F	2.8	0.7	4.0			Mg, Si, Ca Tremolite	TAS_AHRA
C	5	C44	AQ	68	68	F	20	0.7	29			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	5	C44	AQ	69	69	F	1.8	0.5	3.6			Mg, Si, Ca Tremolite	TAS_AHRA
C	5	C44	CD	70	70	B	1.5	0.15	10			Chrysotile	TAS_AHRA
C	5	C44	CD	71	71	F	1.5	0.08	19			Chrysotile	TAS_AHRA
C	5	C44	AQ	72	72	F	3.5	0.5	7.0			Tremolite	TAS_AHRA
C	5	C44	CD	73	73	CC8-0	3	1	3.0			Chrysotile	
C	5	C44	ADQ	74	74	F	3.3	0.45	7.3			Mg, Si, Ca Tremolite	TAS_AHRA
C	6	C34	CD	75	75	B	3.5	0.2	18			Chrysotile	TAS_AHRA
C	6	C34	AQ	76	76	F	9.5	1.2	7.9			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	6	C34	CD	77	77	B	1.3	0.15	8.7			Chrysotile	TAS_AHRA
C	6	C34	CD	78	78	F	1.8	0.05	36			Chrysotile	TAS_AHRA
C	6	C34	CD	79	79	F	4.9	0.08	61			Chrysotile	TAS_AHRA
C	6	C34	CD	80	80	CC5-0	4	0.8	5.0			Chrysotile	

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TRA-L2-1ZP-100904 *Lab/Cor Sample No.:* B4773 S65 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	6	C34	AQ	81	81	F	6	0.4	15			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	6	C34	CD	82	82	F	1.8	0.08	22			Chrysotile	TAS_AHRA
C	6	C34	CD	83	83	F	1.5	0.1	15			Chrysotile	TAS_AHRA
C	7	C14	CD	84	84	F	1.6	0.05	32			Chrysotile	TAS_AHRA
C	7	C14	CD	85	85	F	1	0.08	12			Chrysotile	TAS_AHRA
C	7	C14	AQ	86	86	F	11.5	1.3	8.8			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	7	C14	AQ	87	87	F	5.5	0.38	14			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	7	C14	ADQ	88	88	F	3.8	0.4	9.5			Mg, Si, Ca Tremolite	TAS_AHRA
C	7	C14	AQ	89	89	F	11	1	11			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	7	C14	CD	90	90	F	2	0.08	25			Chrysotile	TAS_AHRA
C	7	C14	CD	91	91	F	5.2	0.08	65			Chrysotile	AS>5, AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	7	C14	CD	92	92	F	1	0.05	20			Chrysotile	TAS_AHRA
C	7	C14	CD	93	93	F	4	0.1	40			Chrysotile	TAS_AHRA
C	7	C14	CD	94	94	F	2.8	0.08	35			Chrysotile	TAS_AHRA
C	7	C14	CD	95	95	F	1.5	0.05	30			Chrysotile	TAS_AHRA
C	7	C14	AQ	96	96	F	11.5	2	5.8			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	7	C14	CD	97		MD1-0	3	1.2	2.5			Chrysotile	TAS_AHRA
C	7	C14	CD		97	MF	1.8	0.05	36			Chrysotile	
C	7	C14	AQ	98	98	F	1.8	0.4	4.5			Mg, Si, Ca Tremolite	TAS_AHRA
C	7	C14	AQ	99	99	F	8	1	8.0			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	7	C14	AQ	100	100	F	8.5	1	8.5			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TRA-L2-1ZP-100904 *Lab/Cor Sample No.:* B4773 S65 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	7	C14	AQ	101	101	F	4	0.8	5.0			Mg, Si, Ca Tremolite	TAS_AHRA

Sample No.: CPS-H2-14FD-100704 *Lab/Cor Sample No.:* B4773 S66 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A21		NSD									
A	2	A42	AZQ	1	1	F	7	2	3.5	1026	755	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [2 0 1] - JH	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	3	A2		NSD									
A	4	D22		NSD									
A	5	D42		NSD									
A	6	D41		NSD									
A	7	D11		NSD									
A	8	B10		NSD									
A	9	B40		NSD									
A	10	B12		NSD									
A	11	C12		NSD									
B	12	C10		NSD									
B	13	C30		NSD									
B	14	D41	AQ	2	2	F	2.7	0.18	15			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	15	D11		NSD									
B	16	A11		NSD									
B	17	A41		NSD									
B	18	B40		NSD									
B	19	B10		NSD									
B	20	B2		NSD									
B	21	B32		NSD									
B	22	B34	AQ	3	3	F	14	4	3.5			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-H2-1PG-100704 *Lab/Cor Sample No.:* B4773 S67 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A22	AZQ	1	1	F	4.5	0.5	9.0	5556	15429	Mg, Al, Si, Ca, Fe Actinolite Zone axis - [1 1 0] - DW	TAS_AHRA
A	2	D2		NSD									
A	3	D22		NSD									
A	4	D40		NSD									
A	5	D10		NSD									
A	6	A20		NSD									
A	7	A40	AQ	2	2	F	0.9	0.2	4.5			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	8	C10		NSD									
A	9	C40		NSD									
A	10	C32		NSD									
A	11	B2		NSD									
A	12	B22		NSD									
B	13	A2		NSD									
B	14	D22		NSD									
B	15	D40		NSD									
B	16	D10		NSD									
B	17	A20	CDQ	3	3	F	1	0.05	20	1027	756	Mg, Si Chrysotile Verified - JH	TAS_AHRA
B	17	A20	CDQ	4	4	F	1.4	0.06	23			Mg, Si Chrysotile	TAS_AHRA
B	17	A20	CMQ	5	5	F	0.7	0.05	14			Mg, Si Chrysotile	TAS_AHRA
B	18	B41		NSD									
B	19	B11		NSD									
B	20	C21		NSD									
B	21	C42		NSD									
B	22	C12		NSD									
B	23	B12		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-H2-2PG-100704 *Lab/Cor Sample No.:* B4773 S68 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A21		NSD									
A	2	A41		NSD									
A	3	A2		NSD									
A	4	D22		NSD									
A	5	D40		NSD									
A	6	D10		NSD									
A	7	A40		NSD									
A	8	B41	CDQ	1		MD1-0	3.5	2.2	1.6			Chrysotile	TAS_AHRA
A	8	B41	CDQ		1	MF	3.5	0.07	50	1029	758	Mg, Si Chrysotile Verified - JH	
A	9	B11		NSD									
A	10	C1		NSD									
A	11	C21		NSD									
B	12	B40		NSD									
B	13	B10		NSD									
B	14	C20		NSD									
B	15	C40		NSD									
B	16	D41	AZQ	2	2	F	2	0.6	3.3	1030	759	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [5 1 4] - TM	TAS_AHRA
B	17	D11		NSD									
B	18	A11		NSD									
B	19	A31	CDQ	3	3	F	0.6	0.1	6.0			Mg, Si Chrysotile	TAS_AHRA
B	20	B42		NSD									
B	21	B12		NSD									
B	22	C2		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-H2-3FD-100704 *Lab/Cor Sample No.:* B4773 S69 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A21	AZQ	1	1	F	2.8	0.9	3.1	1031	760	Mg, Al, Si, Ca, Fe Actinolite Zone Axis - [5 1 2] - TM	TAS_AHRA
A	2	A12		NSD									
A	3	D2		NSD									
A	4	D32		NSD									
A	5	D40		NSD									
A	6	D20		NSD									
A	7	A10		NSD									
A	8	A30	AQ	2	2	F	2.7	0.6	4.5			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	9	B41	CDQ	3	3	F	1.6	0.05	32	1032	761	Mg, Si Chrysotile Verified - JH	TAS_AHRA
A	10	B21		NSD									
A	11	C11	AQ	4		MD1-1	5.5	4.5	1.2			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	11	C11	AQ		4	MF	5.5	0.3	18			Mg, Al, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT
A	12	C31		NSD									
B	13	B23	CDQ	5	5	F	1.5	0.05	30			Mg, Si Chrysotile	TAS_AHRA
B	14	C3		NSD									
B	15	C33		NSD									
B	16	C41		NSD									
B	17	C11		NSD									
B	18	B11		NSD									
B	19	B31		NSD									
B	20	A40		NSD									
B	21	A10		NSD									
B	22	D20		NSD									
B	23	D30		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-H2-3PG-100704 *Lab/Cor Sample No.:* B4773 S70 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B42	AZQ	1		MD1-1	14	10	1.4			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	1	B42	AZQ		1	MF	11	0.4	28	1033	763	Mg, Si, Ca, Fe Actinolite Zone Axis [2 0 1] - TM	AFB>5, PCMEF-US, PSAS >10, PSAS TOT, PSAM >10, PSAM TOT
A	2	B12		NSD									
A	3	C12		NSD									
A	4	C32		NSD									
A	5	C40		NSD									
A	6	C10		NSD									
A	7	B10		NSD									
A	8	A41		NSD									
A	9	A21		NSD									
A	10	A2		NSD									
A	11	D2		NSD									
A	12	D22		NSD									
B	13	A33	CDQ	2		MD1-0	8	5	1.6			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	13	A33	CDQ		2	MF	4.5	0.05	90	1034	764	Mg, Si Chrysotile Verified - JH	
B	14	A3		NSD									
B	15	D23		NSD									
B	16	D40		NSD									
B	17	D10		NSD									
B	18	A20		NSD									
B	19	A40		NSD									
B	20	B41		NSD									
B	21	B21		NSD									
B	22	C1		NSD									
B	23	C21		NSD									
B	24	C41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-H2-4PG-100704 *Lab/Cor Sample No.:* B4773 S71 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A42		NSD									
A	2	A12	AZQ	1	1	F	2.8	0.3	9.3	1035	765	Mg, Al, Si, Ca, Fe Tremolite Zone Axis - [7 3 6] - TM	TAS_AHRA
A	3	D2		NSD									
A	4	D22		NSD									
A	5	D42		NSD									
A	6	D40		NSD									
A	7	D10		NSD									
A	8	A20		NSD									
A	9	A40		NSD									
A	10	B42		NSD									
A	11	B12		NSD									
B	12	B32		NSD									
B	13	B2	AZQ	2	2	F	2.6	0.3	8.7	1036	766	Mg, Al, Si, Ca, Fe Actinolite Zone Axis - [3 0 1] - TM	TAS_AHRA
B	14	C22		NSD									
B	15	C42		NSD									
B	16	C40		NSD									
B	17	C20	AQ	3	3	B	8	2.5	3.2			Mg, Al, Si, Ca, Fe Actinolite	AS>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	18	B10		NSD									
B	19	B30	AQ	4	4	F	5.5	0.8	6.9			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	20	A41		NSD									
B	21	A21		NSD									
B	22	C1		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-H2-5FD-100704 *Lab/Cor Sample No.:* B4773 S72 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A32		NSD									
A	2	A2		NSD									
A	3	D12		NSD									
A	4	D42		NSD									
A	5	D40		NSD									
A	6	D20		NSD									
A	7	A10		NSD									
A	8	A30	AQ	1	1	B	7	2.4	2.9			Mg, Al, Si, Ca, Fe Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	8	A30	AZQ	2	2	F	2.6	0.6	4.3	5557	15430	Mg, Al, Si, Ca, Fe Actinolite Zone Axis - [2 0 1] - DW	TAS_AHRA
A	9	B41		NSD									
A	10	B21		NSD									
A	11	B1		NSD									
B	12	B32	AQ	3	3	F	4.5	1	4.5			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	13	B2		NSD									
B	14	C12		NSD									
B	15	C42		NSD									
B	16	C40		NSD									
B	17	C20		NSD									
B	18	B10		NSD									
B	19	B30		NSD									
B	20	A41		NSD									
B	21	A11		NSD									
B	22	D11	CDQ	4	4	B	8	0.9	8.9	1038	768	Mg, Si Chrysotile Verified - JH	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-H2-5PG-100704 *Lab/Cor Sample No.:* B4773 S73 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A32	AZQ	1	1	F	4	0.8	5.0	5558	15431	Mg, Al, Si, Ca, Fe Actinolite Zone Axis - [1 -1 0] - DW	TAS_AHRA
A	2	A12	CDQ	2	2	F	1	0.06	17	1040	770	Mg, Si Chrysotile Verified - JH	TAS_AHRA
A	3	D2		NSD									
A	4	D22		NSD									
A	5	D42		NSD									
A	6	D40		NSD									
A	7	D20		NSD									
A	8	A10	AQ	3	3	F	8	1.8	4.4			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	9	A30		NSD									
A	10	B41		NSD									
A	11	B21		NSD									
A	12	C1		NSD									
B	13	B32		NSD									
B	14	B12	CDQ	4	4	F	2.2	0.05	44			Mg, Si Chrysotile	TAS_AHRA
B	14	B12	AQ	5	5	F	0.55	0.1	5.5			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	15	C2		NSD									
B	16	C22		NSD									
B	17	C42		NSD									
B	18	C40		NSD									
B	19	C20		NSD									
B	20	A10	AQ	6	6	F	1.5	0.5	3.0			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	21	A30	CDQ	7	7	F	1.5	0.1	15			Mg, Si Chrysotile	TAS_AHRA
B	21	A30	AQ	8	8	F	10	0.5	20			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	22	A41		NSD									
B	23	A11		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-FB-100704 *Lab/Cor Sample No.:* B4773 S74 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A42		NSD									
A	2	A22		NSD									
A	3	A2		NSD									
A	4	D12		NSD									
A	5	D32		NSD									
A	6	D42		NSD									
A	7	D40		NSD									
A	8	D20		NSD									
A	9	D10		NSD									
A	10	A10		NSD									
A	11	A30		NSD									
A	12	A40		NSD									
A	13	B41		NSD									
A	14	B21		NSD									
A	15	B1		NSD									
A	16	C11		NSD									
A	17	C31		NSD									
A	18	C41		NSD									
A	19	C43		NSD									
A	20	C23		NSD									
A	21	C3		NSD									
A	22	B13		NSD									
A	23	B33		NSD									
A	24	B34		NSD									
A	25	B44		NSD									
A	26	B24		NSD									
A	27	B4		NSD									
A	28	C14		NSD									
A	29	C34		NSD									
A	30	C44		NSD									
B	31	B43		NSD									
B	32	B23		NSD									
B	33	B3		NSD									
B	34	C13		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.
Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-FB-100704 *Lab/Cor Sample No.:* B4773 S74 A1
Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	35	C33		NSD									
B	36	C34		NSD									
B	37	C41		NSD									
B	38	C21		NSD									
B	39	C1		NSD									
B	40	B11		NSD									
B	41	B31		NSD									
B	42	A40		NSD									
B	43	D20		NSD									
B	44	A10		NSD									
B	45	D10		NSD									
B	46	D30		NSD									
B	47	D41		NSD									
B	48	D21		NSD									
B	49	D1		NSD									
B	50	A11		NSD									
B	51	A31		NSD									
B	52	A41		NSD									
B	53	A43		NSD									
B	54	A23		NSD									
B	55	A3		NSD									
B	56	D13		NSD									
B	57	D33		NSD									
B	58	D34		NSD									
B	59	D44		NSD									
B	60	D42		NSD									
C	61	A43		NSD									
C	62	A23		NSD									
C	63	A3		NSD									
C	64	D13		NSD									
C	65	D33		NSD									
C	66	D1		NSD									
C	67	A1		NSD									
C	68	A11		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.
Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: CPS-L2-FB-100704 *Lab/Cor Sample No.:* B4773 S74 A1
Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	69	A21		NSD									
C	70	A41		NSD									
C	71	B40		NSD									
C	72	B20		NSD									
C	73	B10		NSD									
C	74	C10		NSD									
C	75	C20		NSD									
C	76	C40		NSD									
C	77	C42		NSD									
C	78	C32		NSD									
C	79	C2		NSD									
C	80	B2		NSD									
C	81	B12		NSD									
C	82	B32		NSD									
C	83	B42		NSD									
C	84	B44		NSD									
C	85	B24		NSD									
C	86	B4		NSD									
C	87	B3		NSD									
C	88	B1		NSD									
C	89	B11		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-1ZP-101004 *Lab/Cor Sample No.:* B4773 S75 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A22	CDQ	1	1	B	1.4	0.1	14	1065	771	Mg, Si Chrysotile Verified - DW	TAS_AHRA
A	1	A22	AZQ	2	2	F	1.7	0.5	3.4	5559	15432	Mg, Si, Ca, Fe Actinolite Zone Axis - [1 0 0] - DW	TAS_AHRA
A	1	A22	AQ	3	3	F	1.2	0.3	4.0			Mg, Si, Ca Tremolite	TAS_AHRA
A	1	A22	AQ	4	4	F	2.8	0.5	5.6			Mg, Si, Ca Tremolite	TAS_AHRA
A	1	A22	CD	5	5	F	2.5	0.05	50			Chrysotile	TAS_AHRA
A	1	A22	AQ	6	6	F	2.7	0.4	6.8			Mg, Si, Ca Tremolite	TAS_AHRA
A	1	A22	AQ	7	7	F	6.5	0.7	9.3			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	1	A22	CD	8	8	F	2.2	0.05	44			Chrysotile	TAS_AHRA
A	1	A22	CD	9	9	B	4	0.25	16			Chrysotile	TAS_AHRA
A	1	A22	CD	10		MD2-0	1.1	1	1.1			Chrysotile	TAS_AHRA
A	1	A22	CD		10	MF	1.1	0.04	28			Chrysotile	
A	1	A22	CD		11	MB	1	0.08	12			Chrysotile	
A	1	A22	AQ	11	12	F	8	0.3	27			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	1	A22	AQ	12	13	F	1.2	0.25	4.8			Tremolite	TAS_AHRA
A	1	A22	CMQ	13	14	F	4	0.05	80			Mg, Si Chrysotile	TAS_AHRA
A	1	A22	CD	14	15	F	1.7	0.05	34			Chrysotile	TAS_AHRA
A	1	A22	AQ	15	16	F	1.1	0.25	4.4			Mg, Si, Ca Tremolite	TAS_AHRA
A	1	A22	AQ	16	17	F	1.5	0.4	3.8			Mg, Si, Ca Tremolite	TAS_AHRA
A	1	A22	AQ	17	18	F	5.5	0.7	7.9			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	1	A22	AQ	18	19	F	5	0.2	25			Mg, Si, Ca Tremolite	TAS_AHRA
A	2	B2	AZQ	19	20	F	3.6	0.5	7.2	5560	15433	Mg, Si, Ca Tremolite Zone Axis - [3 1 0] - DW	TAS_AHRA
A	2	B2	AQ	20	21	F	1.5	0.5	3.0			Mg, Si, Ca Tremolite	TAS_AHRA
A	2	B2	AQ	21	22	F	1.5	0.3	5.0			Mg, Si, Ca Tremolite	TAS_AHRA
A	2	B2	CDQ	22	23	B	2.4	0.3	8.0			Mg, Si Chrysotile	TAS_AHRA
A	2	B2	AQ	23	24	F	2.8	0.7	4.0			Mg, Si, Ca Tremolite	TAS_AHRA
A	2	B2	AQ	24	25	B	4.9	0.7	7.0			Mg, Si, Ca Tremolite	TAS_AHRA
A	2	B2	AQ	25	26	F	1.5	0.5	3.0			Mg, Si, Ca Tremolite	TAS_AHRA
A	2	B2	AQ	26	27	F	2.7	0.4	6.8			Mg, Si, Ca Tremolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-1ZP-101004 *Lab/Cor Sample No.:* B4773 S75 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	2	B2	CDQ	27		CD3-0	1	0.8	1.2			Chrysotile	TAS_AHRA
A	2	B2	CDQ		28	CB	1	0.4	2.5			Mg, Si Chrysotile	
A	2	B2	CDQ		29	CF	1	0.05	20			Mg, Si Chrysotile	
A	2	B2	CDQ		30	CF	0.8	0.05	16			Mg, Si Chrysotile	
A	2	B2	AQ	28	31	F	4	0.4	10			Mg, Si, Ca Tremolite	TAS_AHRA
A	2	B2	AQ	29	32	F	2.4	0.2	12			Mg, Si, Ca Tremolite	TAS_AHRA
A	2	B2	AQ	30	33	F	1.5	0.4	3.8			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	C30	CDQ	31	34	B	18	11	1.6			Mg, Si Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	3	C30	AQ	32	35	F	2.4	0.45	5.3			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	C30	AQ	33	36	F	2.4	0.3	8.0			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	C30	CDQ	34	37	F	1.5	0.05	30			Mg, Si Chrysotile	TAS_AHRA
B	3	C30	AQ	35	38	F	1	0.2	5.0			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	C30	AQ	36	39	F	0.7	0.2	3.5			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	C30	AQ	37	40	B	2.6	0.5	5.2			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	C30	AQ	38	41	F	3	0.6	5.0			Mg, Si, Ca Tremolite	TAS_AHRA
B	3	C30	AQ	39	42	B	4.8	0.4	12			Mg, Si, Ca Tremolite	TAS_AHRA
B	4	D12	CDQ	40	43	CC5-0	1	0.8	1.2			Mg, Si Chrysotile	
B	4	D12	AQ	41	44	B	2.6	0.4	6.5			Mg, Si, Ca Tremolite	TAS_AHRA
B	4	D12	AQ	42	45	F	2.6	0.6	4.3			Mg, Si, Ca Tremolite	TAS_AHRA
B	4	D12	AQ	43	46	B	2.7	0.4	6.8			Mg, Si, Ca Tremolite	TAS_AHRA
B	4	D12	CDQ	44	47	B	2.3	0.07	33			Mg, Si Chrysotile	TAS_AHRA
B	4	D12	AQ	45	48	F	0.8	0.25	3.2			Mg, Si, Ca Tremolite	TAS_AHRA
B	4	D12	AQ	46	49	F	2.7	0.6	4.5			Mg, Si, Ca Tremolite	TAS_AHRA
B	4	D12	AQ	47	50	F	2.5	0.6	4.2			Mg, Si, Ca Tremolite	TAS_AHRA
B	4	D12	CDQ	48	51	F	3.5	0.04	88			Mg, Si Chrysotile	TAS_AHRA
B	4	D12	AQ	49	52	F	1.5	0.5	3.0			Mg, Si, Ca Tremolite	TAS_AHRA
B	4	D12	AQ	50	53	F	2.5	0.3	8.3			Mg, Si, Ca Tremolite	TAS_AHRA
B	4	D12	AQ	51	54	F	16	0.4	40			Mg, Si, Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS >10, PSAS TOT, PSAM >10, PSAM TOT, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	4	D12	AQ	52	55	F	1.6	0.4	4.0			Mg, Si, Ca Tremolite	TAS_AHRA
B	4	D12	AQ	53	56	F	2.6	0.3	8.7			Mg, Si, Ca Tremolite	TAS_AHRA
B	4	D12	AQ	54	57	F	2.3	0.7	3.3			Mg, Si, Ca Tremolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-1ZP-101004 *Lab/Cor Sample No.:* B4773 S75 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	4	D12	CDQ	55	58	F	1.5	0.05	30			Mg, Si Chrysotile	TAS_AHRA
B	5	A10	AQ	56	59	F	2.5	0.6	4.2			Mg, Si, Ca Tremolite	TAS_AHRA
B	5	A10	CDQ	57	60	F	0.6	0.05	12			Mg, Si Chrysotile	TAS_AHRA
B	5	A10	CDQ	58	61	F	0.55	0.05	11			Mg, Si Chrysotile	TAS_AHRA
B	5	A10	CDQ	59	62	F	0.5	0.05	10			Mg, Si Chrysotile	TAS_AHRA
B	5	A10	AQ	60	63	B	8	2.5	3.2			Mg, Si, Ca Tremolite	AS>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	5	A10	AQ	61	64	F	1.5	0.5	3.0			Mg, Si, Ca Tremolite	TAS_AHRA
B	5	A10	AQ	62	65	F	1.5	0.5	3.0			Mg, Si, Ca Tremolite	TAS_AHRA
B	5	A10	CDQ	63		MD3-0	5	2	2.5			Chrysotile	TAS_AHRA
B	5	A10	CDQ		66	MF	5	0.05	100			Mg, Si Chrysotile	
B	5	A10	CDQ		67	MB	2.3	1.5	1.5			Mg, Si Chrysotile	
B	5	A10	CDQ		68	MF	1.1	0.05	22			Mg, Si Chrysotile	
B	5	A10	AQ	64	69	F	1.2	0.4	3.0			Mg, Si, Ca Tremolite	TAS_AHRA
B	6	B23	AQ	65	70	F	1	0.3	3.3			Mg, Si, Ca Tremolite	TAS_AHRA
B	6	B23	AQ	66	71	F	1.3	0.4	3.2			Mg, Si, Ca Tremolite	TAS_AHRA
B	6	B23	CD	67		CD3-1	5.2	3	1.7			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	6	B23	CD		72	CB	5.2	0.1	52			Chrysotile	AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT
B	6	B23	CD		73	CB	4.5	0.1	45			Chrysotile	
B	6	B23	CD		74	CF	0.6	0.05	12			Chrysotile	
B	6	B23	CDQ	68	75	F	4.8	0.05	96			Chrysotile	TAS_AHRA
B	6	B23	AQ	69	76	F	2.7	0.7	3.9			Mg, Si, Ca Tremolite	TAS_AHRA
B	6	B23	CD	70	77	F	2.3	0.06	38			Chrysotile	TAS_AHRA
B	6	B23	AQ	71	78	B	2.5	0.6	4.2			Mg, Si, Ca Tremolite	TAS_AHRA
B	6	B23	AQ	72	79	F	2	0.5	4.0			Mg, Si, Ca Tremolite	TAS_AHRA
B	6	B23	AQ	73	80	B	1.5	0.4	3.8			Mg, Si, Ca Tremolite	TAS_AHRA
B	6	B23	CD	74	81	F	2.6	0.06	43			Chrysotile	TAS_AHRA
B	6	B23	CD	75	82	F	1.5	0.06	25			Chrysotile	TAS_AHRA
B	6	B23	CD	76	83	B	1.1	0.15	7.3			Chrysotile	TAS_AHRA
B	6	B23	AQ	77	84	F	1	0.25	4.0			Mg, Si, Ca Tremolite	TAS_AHRA
B	6	B23	AQ	78	85	B	4	0.8	5.0			Mg, Si, Ca Tremolite	TAS_AHRA
C	7	B43	AQ	79	86	F	4	0.35	11			Mg, Si, Ca Tremolite	TAS_AHRA
C	7	B43	AQ	80	87	F	1.5	0.2	7.5			Mg, Si, Ca Tremolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-1ZP-101004 *Lab/Cor Sample No.:* B4773 S75 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	7	B43	CDQ	81	88	B	2.5	0.2	12			Mg,Si Chrysotile	TAS_AHRA
C	7	B43	AQ	82		MD2-1	16	2.5	6.4			Tremolite	AS>5, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	7	B43	AQ		89	MF	16	0.75	21			Mg, Si, Ca Tremolite	AFB>5, PCMEF-US
C	7	B43	CD		90	MF	3	0.1	30			Chrysotile	
C	7	B43	CD	83	91	B	4.5	0.4	11			Chrysotile	TAS_AHRA
C	7	B43	AQ	84	92	F	1.2	0.2	6.0			Tremolite	TAS_AHRA
C	7	B43	AQ	85	93	F	4	1	4.0			Mg,Si,Ca Tremolite	TAS_AHRA
C	7	B43	CD	86	94	F	3.5	0.1	35			Chrysotile	TAS_AHRA
C	7	B43	AQ	87		MD3-1	37	12	3.1			Tremolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	7	B43	AQ		95	MF	37	1.5	25			Mg,Si,Ca Tremolite	AFB>5, PCMEF-US
C	7	B43	CD		96	MF	4.5	0.1	45			Chrysotile	
C	7	B43	AQ		97	MF	3.5	0.3	12			Mg,Si,Ca Tremolite	
C	7	B43	AQ	88	98	F	2.75	0.3	9.2			Mg,Si,Ca Tremolite	TAS_AHRA
C	7	B43	CD	89	99	F	2	0.1	20			Chrysotile	TAS_AHRA
C	7	B43	CD	90	100	F	1	0.1	10			Chrysotile	TAS_AHRA
C	7	B43	AQ	91	101	F	4.5	1	4.5			Mg,Si,Ca Tremolite	TAS_AHRA
C	7	B43	AQ	92	102	F	2	0.3	6.7			Mg,Si,Ca Tremolite	TAS_AHRA
C	7	B43	AQ	93	103	F	5	1.2	4.2			Mg,Si,Ca Tremolite	TAS_AHRA
C	7	B43	CD	94	104	F	4	0.05	80			Chrysotile	TAS_AHRA
C	7	B43	CD	95	105	F	20	0.1	200			Chrysotile	AS>5, AFB>5, PSAS >10, PSAS TOT, PCAS >10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	7	B43	CD	96	106	F	6	0.1	60			Chrysotile	AS>5, AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	7	B43	CD	97	107	F	3	0.1	30			Chrysotile	TAS_AHRA
C	7	B43	AQ	98	108	F	5	0.35	14			Mg,Si,Ca Tremolite	TAS_AHRA
C	7	B43	AQ	99	109	F	4	1	4.0			Mg,Si,Ca Tremolite	TAS_AHRA
C	8	B11	AQ	100	110	F	5	0.75	6.7			Mg,Si,Ca Tremolite	TAS_AHRA
C	8	B11	AQ	101	111	F	2.75	0.35	7.9			Mg,Si,Ca Tremolite	TAS_AHRA
C	8	B11	CD	102	112	F	3.5	0.1	35			Chrysotile	TAS_AHRA
C	8	B11	CD	103	113	B	2.5	0.3	8.3			Chrysotile	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-L2-1ZP-101004 *Lab/Cor Sample No.:* B4773 S75 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	8	B11	AQ	104	114	F	13	0.4	32			Mg,Si,Ca Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS >10, PSAS TOT, PSAM >10, PSAM TOT, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	8	B11	AQ	105	115	F	2.5	0.8	3.1			Mg,Si,Ca Tremolite	TAS_AHRA
C	8	B11	AQ	106	116	F	4	0.6	6.7			Mg,Si,Ca Tremolite	TAS_AHRA
C	8	B11	AQ	107	117	F	1.5	0.5	3.0			Mg,Si,Ca Tremolite	TAS_AHRA
C	8	B11	CD	108	118	F	1	0.1	10			Chrysotile	TAS_AHRA
C	8	B11	AQ	109	119	F	5	1	5.0			Mg,Si,Ca Tremolite	TAS_AHRA
C	8	B11	AQ	110	120	F	1.5	0.4	3.8			Mg,Si,Ca Tremolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-H2-12TR-100704 *Lab/Cor Sample No.:* B4773 S76 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A30	AZQ	1	1	F	2.6	0.5	5.2	1048	776	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [5 1 0] - JH	TAS_AHRA
A	2	A22		NSD									
A	3	D12	AQ	2	2	F	27	4	6.8			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	4	D42		NSD									
A	5	D40		NSD									
A	6	D10		NSD									
A	7	B41		NSD									
A	8	B11		NSD									
A	9	C11		NSD									
A	10	C31		NSD									
A	11	C33		NSD									
B	12	B32		NSD									
B	13	B2		NSD									
B	14	C12		NSD									
B	15	C42	AQ	3	3	F	3.5	0.6	5.8			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	16	C40		NSD									
B	17	C10		NSD									
B	18	B30		NSD									
B	19	A41		NSD									
B	20	A11		NSD									
B	21	D21		NSD									
B	22	D41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-H2-1TR-100704 *Lab/Cor Sample No.:* B4773 S77 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A32		NSD									
A	2	A2		NSD									
A	3	D12		NSD									
A	4	D32		NSD									
A	5	D40		NSD									
A	6	D10		NSD									
A	7	A20	AZQ	1	1	F	11	3	3.7	1049	777	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 0 0] - JH	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	8	A40	AQ	2	2	B	15	2	7.5			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	8	A40	AQ	3	3	F	4.5	0.6	7.5			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	9	B41	AQ	4	4	F	8	0.7	11			Mg, Al, Si, Ca, Feb11 Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	10	B11		NSD									
A	11	C11		NSD									
A	12	C31	AQ	5	5	F	1.6	0.3	5.3			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
A	13	C43		NSD									
A	14	C23		NSD									
B	15	A33		NSD									
B	16	A3		NSD									
B	17	D23		NSD									
B	18	D41		NSD									
B	19	A1		NSD									
B	20	A31		NSD									
B	21	B40		NSD									
B	22	C10		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-H2-2TR-100704 *Lab/Cor Sample No.:* B4773 S78 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A33		NSD									
A	2	A13		NSD									
A	3	D3		NSD									
A	4	D33		NSD									
A	5	D41		NSD									
A	6	D11		NSD									
A	7	A11		NSD									
A	8	A41	AZQ	1	1	F	16	0.9	18	1050	778	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 3 0] - JH	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	9	B40		NSD									
A	10	B20		NSD									
A	11	D10		NSD									
A	12	D30		NSD									
B	13	B33		NSD									
B	14	B3	AQ	2	2	F	12	1.5	8.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	15	C13	AQ	3	3	F	5.2	1.5	3.5			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	16	C41		NSD									
B	17	C11		NSD									
B	18	B21		NSD									
B	19	B41		NSD									
B	20	A40		NSD									
B	21	A20		NSD									
B	22	D10		NSD									
B	23	D30		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-H2-3TR-100704 *Lab/Cor Sample No.:* B4773 S79 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A32		NSD									
A	2	A12		NSD									
A	3	D2		NSD									
A	4	D22		NSD									
A	5	D42		NSD									
A	6	D20		NSD									
A	7	A10		NSD									
A	8	A30		NSD									
A	9	B41		NSD									
A	10	B21		NSD									
A	11	B1		NSD									
A	12	C11		NSD									
B	13	A33		NSD									
B	14	A13		NSD									
B	15	D13		NSD									
B	16	D43		NSD									
B	17	D41		NSD									
B	18	D11		NSD									
B	19	A11		NSD									
B	20	A31		NSD									
B	21	B21		NSD									
B	22	C33		NSD									
B	23	C13	AZQ	1	1	F	11	2	5.5	1051	779	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [2 0 1] - JH	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	24	B13		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-H2-4TR-100704 *Lab/Cor Sample No.:* B4773 S80 A1

Descripiton:

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		NSD									
A	4	C14	AQ	1		MD1-0	5	4.5	1.1			Actinolite	TAS_AHRA
A	4	C14	AQ		1	MF	4.75	0.8	5.9			Mg, Si, Ca, Fe Actinolite	
A	5	C34	AQ	2	2	B	2	0.75	2.7			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	6	C43		NSD									
A	7	C23		NSD									
A	8	C3		NSD									
A	9	B13		NSD									
A	10	B33	AQ	3		MD1-0	1.75	0.75	2.3			Actinolite	TAS_AHRA
A	10	B33	AQ		3	MF	1.75	0.25	7.0			Mg, Si, Ca, Fe Actinolite	
A	11	B42		NSD									
A	12	B22		NSD									
B	13	B44		NSD									
B	14	B24	AZQ	4		MD1-1	15	4	3.8			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	14	B24	AZQ		4	MF	15	2.5	6.0	5573	15434	Mg, Si, Ca, Fe Actinolite Zone Axis [5 1 2] - JH	AFB>5, PCMEF-US
B	15	B4		NSD									
B	16	C14		NSD									
B	17	C34		NSD									
B	18	C43		NSD									
B	19	C23		NSD									
B	20	C3		NSD									
B	21	B13		NSD									
B	22	B33		NSD									
B	23	B42		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-H2-5TR-100704 *Lab/Cor Sample No.:* B4773 S81 A1

Descripiton:

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		NSD									
A	4	C14	AZQ	1	1	F	1.2	0.2	6.0	1071	15373	Mg, Si, Ca, Fe Actinolite Zone Axis [3 0 4] - JH	TAS_AHRA
A	4	C14	AQ	2	2	F	0.7	0.2	3.5			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
A	5	C34		NSD									
A	6	C43		NSD									
A	7	C23		NSD									
A	8	C3		NSD									
A	9	B13		NSD									
A	10	B33		NSD									
A	11	B42		NSD									
A	12	B22	AQ	3		MD1-1	12	3	4.0			Actinolite	AS>5, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	12	B22	AQ		3	MF	7	0.55	13			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
B	13	B44		NSD									
B	14	B24		NSD									
B	15	B4		NSD									
B	16	C14		NSD									
B	17	C34	AQ	4		MD1-0	2	1.5	1.3			Actinolite	TAS_AHRA
B	17	C34	AQ		4	MF	2	0.4	5.0			Mg, Si, Ca, Fe Actinolite	
B	18	C43	AQ	5	5	F	3	0.95	3.2			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	19	C23		NSD									
B	20	C3		NSD									
B	21	B13		NSD									
B	22	B33		NSD									
B	23	B42		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-13PG-100704 *Lab/Cor Sample No.:* B4773 S83 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B42		NSD									
A	2	B22		NSD									
A	3	B2		NSD									
A	4	C12		NSD									
A	5	C32		NSD									
A	6	A41		NSD									
A	7	A21		NSD									
A	8	A1		NSD									
A	9	D11		NSD									
A	10	D31		NSD									
B	11	B42		NSD									
B	12	B22		NSD									
B	13	B2		NSD									
B	14	C12		NSD									
B	15	C32		NSD									
B	16	A41		NSD									
B	17	A21		NSD									
B	18	A1	AZQ	1		MD1-1	9	5	1.8			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	18	A1	AZQ		1	MF	5.8	0.45	13	1072	15375	Mg, Si, Ca, Fe Actinolite Zone axis - [2 1 1] - JH	AFB>5, PCMEF-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT
B	19	D11		NSD									
B	20	D31		NSD									
B	21	D41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-1PG-100704 *Lab/Cor Sample No.:* B4773 S84 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B42		NSD									
A	2	B22		NSD									
A	3	B2		NSD									
A	4	C12		NSD									
A	5	C32		NSD									
A	6	A41		NSD									
A	7	A21		NSD									
A	8	A1		NSD									
A	9	D11		NSD									
A	10	D31		NSD									
A	11	A30		NSD									
A	12	A20		NSD									
B	13	B43		NSD									
B	14	B23		NSD									
B	15	B3		NSD									
B	16	C13		NSD									
B	17	C33		NSD									
B	18	A41		NSD									
B	19	A21		NSD									
B	20	A1		NSD									
B	21	D11		NSD									
B	22	D31		NSD									
B	23	D10		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-22FD-100704 *Lab/Cor Sample No.:* B4773 S85 A1

Descripiton:

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		NSD									
A	4	C13		NSD									
A	5	C33		NSD									
A	6	A41		NSD									
A	7	A21		NSD									
A	8	A1	AZQ	1	1	F	1.8	0.4	4.5	5499	15376	Mg, Si, Ca, Fe Actinolite Zone Axis [2 0 3] - JH	TAS_AHRA
A	9	D11		NSD									
A	10	D31		NSD									
A	11	B30		NSD									
A	12	B10		NSD									
B	13	B43		NSD									
B	14	B23		NSD									
B	15	B3		NSD									
B	16	C13		NSD									
B	17	C33		NSD									
B	18	B31		NSD									
B	19	B11		NSD									
B	20	C3		NSD									
B	21	C23		NSD									
B	22	C43		NSD									
B	23	B10		NSD									
C	24	B44		NSD									
C	25	B24	AQ	2	2	F	8	1.3	6.2			Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	26	B4		NSD									
C	27	C14	CDQ	3		MD1-0	4.5	3	1.5			Mg, Si Chrysotile	TAS_AHRA
C	28	C13	CDQ	4	3	F	1.4	0.1	14	5523	15395	Mg, Si Chrysotile Verified - JH	TAS_AHRA
C	29	C34		NSD									
C	30	C43		NSD									
C	31	C23		NSD									
C	32	C3	CQ	5		MD2-0	4.5	3.5	1.3			Chrysotile	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-22FD-100704 *Lab/Cor Sample No.:* B4773 S85 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	32	C3	CQ		4	MF	2	0.05	40			Mg, Si Chrysotile	
C	32	C3	CQ		5	MF	4	0.05	80			Mg. Si Chrysotile	
C	32	C3	CQ	6		MD1-0	1.45	0.05	29			Chrysotile	TAS_AHRA
C	32	C3	CQ		6	MF	1.25	0.05	25			Mg, Si Chrysotile	
C	33	B13	AQ	7	7	F	1.95	0.6	3.2			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
C	34	B33		NSD									
C	35	B42		NSD									
C	36	B22		NSD									
C	37	B2		NSD									
C	38	C12		NSD									
C	39	C32		NSD									
C	40	C41		NSD									
C	41	C21		NSD									
C	42	C2		NSD									
C	43	B11	CD	8		MD1-0	6	5	1.2			Chrysotile	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
C	43	B11	CD		8	MB	3	0.2	15			Chrysotile	
C	44	B31		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-2PG-100704 *Lab/Cor Sample No.:* B4773 S86 A1

Descripiton:

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		NSD									
A	4	C14		NSD									
A	5	C34		NSD									
A	6	C43		NSD									
A	7	C23		NSD									
A	8	C3		NSD									
A	9	B13		NSD									
A	10	B34		NSD									
A	11	B42	AZQ	1	1	F	2.1	0.45	4.7	1073	15396	Mg, Si, Ca Fe Actinolite Zone Axis [7 3 10] - JH	TAS_AHRA
A	12	B22		NSD									
B	13	B44		NSD									
B	14	B24		NSD									
B	15	B4		NSD									
B	16	C14		NSD									
B	17	C34		NSD									
B	18	C43		NSD									
B	19	C23		NSD									
B	20	C3		NSD									
B	21	B13		NSD									
B	22	B33		NSD									
B	23	B32		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-3PG-100704 *Lab/Cor Sample No.:* B4773 S88 A1

Descripiton:

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	B2		NSD									
A	4	C14		NSD									
A	5	C23		NSD									
A	6	C3		NSD									
A	7	B13		NSD									
A	8	B33		NSD									
A	9	B42		NSD									
A	10	B22		NSD									
A	11	C2		NSD									
A	12	C22		NSD									
B	13	B44		NSD									
B	14	B24		NSD									
B	15	B4		NSD									
B	16	C14		NSD									
B	17	C34		NSD									
B	18	C43		NSD									
B	19	C23		NSD									
B	20	C3		NSD									
B	21	B13		NSD									
B	22	B33		NSD									
B	23	B42	AZQ	1	1	F	2.75	0.5	5.5	1075	15398	Mg, Si, Ca, Fe Actinolite Zone Axis [1 3 4] - JH	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-4PG-100704 *Lab/Cor Sample No.:* B4773 S89 A1

Descripiton:

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		NSD									
A	4	C14		NSD									
A	5	C34		NSD									
A	6	C43		NSD									
A	7	C23		NSD									
A	8	C3		NSD									
A	9	B33		NSD									
A	10	B24		NSD									
A	11	B22		NSD									
B	12	B44		NSD									
B	13	B24		NSD									
B	14	B4		NSD									
B	15	C14		NSD									
B	16	C34		NSD									
B	17	C43		NSD									
B	18	C23		NSD									
B	19	C3		NSD									
B	20	B13		NSD									
B	21	B33		NSD									
B	22	B42		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-5FD-100704 *Lab/Cor Sample No.:* B4773 S90 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A33		NSD									
A	2	A13		NSD									
A	3	D3		NSD									
A	4	D23		NSD									
A	5	D31		NSD									
A	6	D11		NSD									
A	7	A11		NSD									
A	8	A31		NSD									
A	9	B40		NSD									
A	10	B20	AZQ	1	1	F	4	0.25	16	1052	780	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [3 0 2] - JH	TAS_AHRA
A	11	C10		NSD									
B	12	B32		NSD									
B	13	B12		NSD									
B	14	C2		NSD									
B	15	C22		NSD									
B	16	C42		NSD									
B	17	D40		NSD									
B	18	D20		NSD									
B	19	A20	AQ	2	2	F	11	0.6	18			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	20	A40		NSD									
B	21	A42		NSD									
B	22	A22	AQ	3	3	F	8	2	4.0			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-H2-5PG-100704 *Lab/Cor Sample No.:* B4773 S91 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A33		NSD									
A	2	A13		NSD									
A	3	D13		NSD									
A	4	D33		NSD									
A	5	C22		NSD									
A	6	C2	AZQ	1	1	B	13.5	3	4.5	1076	781	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [1 0 1] - JH	AS>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	7	B12		NSD									
A	8	B32		NSD									
B	9	B30		NSD									
B	10	B10		NSD									
B	11	C20		NSD									
B	12	C40		NSD									
B	13	D32		NSD									
B	14	D12		NSD									
B	15	A12		NSD									
B	16	A32		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-L2-1ZP-100704 *Lab/Cor Sample No.:* B4773 S92 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A34	AZQ	1	1	F	7.5	2	3.8	1055	783	Mg, Si, Ca, Fe Tremolite Zone Axis [2 1 1] - JH	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	1	A34	CDQ	2	2	F	3.5	0.05	70	1058	784	Mg, Si Chrysotile Verified - JH	TAS_AHRA
A	1	A34	CDQ	3	3	F	4.9	0.1	49			Mg, Si Chrysotile	TAS_AHRA
A	1	A34	AQ	4	4	F	2	0.6	3.3			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	1	A34	AQ	5	5	F	1.5	0.45	3.3			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	1	A34	AQ	6	6	F	2.5	0.5	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	1	A34	AQ	7	7	F	1	0.25	4.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	1	A34	AQ	8	8	F	2.4	0.2	12			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	2	A14	CDQ	9	9	F	1.3	0.05	26			Mg, Si Chrysotile	TAS_AHRA
A	2	A14	AQ	10	10	B	1.5	0.25	6.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	2	A14	AQ	11	11	F	1.5	0.3	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	2	A14	CDQ	12	12	F	1.2	0.2	6.0	1056	786	Mg, Si Chrysotile Verified - JH	TAS_AHRA
A	2	A14	AQ	13	13	B	2.6	1	2.6			Mg, Si, Ca Tremolite	TAS_AHRA
A	2	A14	CMQ	14	14	B	1	0.07	14			Mg, Si Chrysotile	TAS_AHRA
A	2	A14	CDQ	15	15	B	3.7	0.25	15			Mg, Si Chrysotile	TAS_AHRA
A	2	A14	CDQ	16	16	F	2.6	0.05	52			Mg, Si Chrysotile	TAS_AHRA
A	2	A14	CMQ	17	17	F	1	0.2	5.0			Mg, Si Chrysotile	TAS_AHRA
A	2	A14	CDQ	18		CD2-0	1.5	1.2	1.2			Chrysotile	TAS_AHRA
A	2	A14	CDQ		18	CF	1.5	0.05	30			Mg, Si Chrysotile	
A	2	A14	CDQ		19	CB	1.2	0.3	4.0			Mg, Si Chrysotile	
A	2	A14	CDQ	19	20	B	1.3	0.2	6.5			Mg, Si Chrysotile	TAS_AHRA
A	2	A14	CDQ	20	21	B	1.5	0.25	6.0			Mg, Si Chrysotile	TAS_AHRA
A	2	A14	CDQ	21	22	B	4.5	0.2	22			Mg, Si Chrysotile	TAS_AHRA
A	2	A14	CDQ	22		CD2-0	2.7	0.5	5.4			Chrysotile	TAS_AHRA
A	2	A14	CDQ		23	CB	2.7	0.25	11			Mg, Si Chrysotile	
A	2	A14	CDQ		24	CB	0.7	0.25	2.8			Mg, Si Chrysotile	
A	3	B10	AQ	23	25	F	1.4	0.45	3.1			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B10	AQ	24	26	F	1.5	0.5	3.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B10	AQ	25	27	F	9	1.4	6.4			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	3	B10	CDQ	26	28	F	1.3	0.05	26			Mg, Si Chrysotile	TAS_AHRA
A	3	B10	AQ	27	29	B	0.9	0.25	3.6			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B10	CDQ	28	30	F	3.5	0.06	58			Mg, Si Chrysotile	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-L2-1ZP-100704 *Lab/Cor Sample No.:* B4773 S92 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	3	B10	AQ	29	31	B	3.5	0.7	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B10	AQ	30	32	F	2.5	0.4	6.2			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B10	AQ	31	33	F	2.7	0.35	7.7			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	C21	CD	32	34	B	0.7	0.2	3.5			Mg, Si Chrysotile	TAS_AHRA
A	4	C21	AQ	33	35	B	23	1	23			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	4	C21	AQ	34	36	F	3.9	0.6	6.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	C21	AQ	35	37	F	2.5	0.5	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	C21	CD	36	38	B	2.4	0.1	24			Chrysotile	TAS_AHRA
A	4	C21	AQ	37	39	F	2.6	0.2	13			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	C21	AQ	38	40	F	2.6	0.7	3.7			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	C21	AQ	39	41	B	1.5	0.6	2.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	C21	AQ	40	42	F	7	0.7	10			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	4	C21	AQ	41	43	F	4	0.2	20			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	C21	CD	42	44	B	3	0.7	4.3			Chrysotile	TAS_AHRA
A	5	D10	AQ	43	45	F	0.7	0.2	3.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	5	D10	AQ	44	46	F	5	1	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	5	D10	CD	45	47	F	5	0.1	50			Mg, Si, Ca, Fe Chrysotile	TAS_AHRA
A	5	D10	AQ	46	48	F	1.8	0.6	3.0			Mg, Si, Ca, Fe+ Tremolite	TAS_AHRA
A	6	A1	CD	47	49	F	0.7	0.03	23			Chrysotile	TAS_AHRA
A	6	A1	AQ	48	50	B	4	0.4	10			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	6	A1	CD	49	51	F	1.5	0.05	30			Chrysotile	TAS_AHRA
A	6	A1	CD	50	52	F	5.3	0.05	110			Chrysotile	AS>5, AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	6	A1	AQ	51	53	F	6	1	6.0			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	6	A1	AQ	52	54	F	1.1	0.2	5.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	6	A1	CD	53	55	F	1.2	0.1	12			Chrysotile	TAS_AHRA
A	6	A1	AQ	54	56	F	1.5	0.5	3.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	6	A1	AQ	55	57	F	2.4	0.3	8.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	6	A1	AQ	56	58	F	2.6	0.6	4.3			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	A32	AQ	57	59	F	2.6	0.4	6.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-L2-1ZP-100704 *Lab/Cor Sample No.:* B4773 S92 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	7	A32	AQ	58	60	B	2.6	0.3	8.7			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	A32	AQ	59	61	F	2.6	0.5	5.2			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	A32	AQ	60	62	F	7.5	1.2	6.2			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	7	A32	AQ	61	63	F	4.9	1.5	3.3			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	A32	AQ	62	64	F	0.7	0.15	4.7			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	A32	CD	63	65	F	9	0.05	180			Chrysotile	AS>5, AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	7	A32	CD	64	66	F	1.1	0.06	18			Chrysotile	TAS_AHRA
B	7	A32	CD	65	67	B	1.1	0.1	11			Chrysotile	TAS_AHRA
B	7	A32	AQ	66	68	F	0.9	0.2	4.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	A32	AQ	67	69	F	2.7	0.3	9.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	A32	AQ	68	70	F	2	0.5	4.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	A32	CD	69	71	F	1.3	0.1	13			Chrysotile	TAS_AHRA
B	7	A32	CD	70	72	B	3	0.2	15			Chrysotile	TAS_AHRA
B	7	A32	CD	71	73	B	2.6	0.1	26			Chrysotile	TAS_AHRA
B	7	A32	AQ	72	74	F	1.5	0.5	3.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	A32	AQ	73	75	F	3.5	0.3	12			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	A32	CD	74	76	B	33	0.3	110			Chrysotile	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS >10, PSAS TOT, PCAS >10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	7	A32	CD	75	77	B	2.4	0.2	12			Chrysotile	TAS_AHRA
B	7	A32	CD	76		CD2-0	1	0.9	1.1			Chrysotile	TAS_AHRA
B	7	A32	CD		78	CB	1	0.3	3.3			Chrysotile	
B	7	A32	CD		79	CR5-0	0.6	0.2	3.0			Chrysotile	
B	7	A32	CD	77	80	B	6	0.15	40			Chrysotile	AS>5, AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	7	A32	CD	78	81	B	0.7	0.2	3.5			Chrysotile	TAS_AHRA
B	7	A32	CD	79	82	B	0.7	0.2	3.5			Chrysotile	TAS_AHRA
B	7	A32	CD	80	83	B	0.7	0.2	3.5			Chrysotile	TAS_AHRA
B	7	A32	AQ	81	84	F	6.5	2	3.2			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: NYB-L2-1ZP-100704 *Lab/Cor Sample No.:* B4773 S92 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	7	A32	AQ	82	85	F	2.4	0.5	4.8			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	A32	AQ	83	86	F	5.5	1.7	3.2			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	7	A32	AQ	84	87	F	1.5	0.3	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	A32	CD	85		MD1-0	1.6	0.7	2.3			Chrysotile	TAS_AHRA
B	7	A32	CD		88	MF	1.6	0.07	23			Chrysotile	
B	7	A32	AQ	86	89	F	1.8	0.6	3.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	A32	AQ	87	90	B	1.5	0.5	3.0			Tremolite	TAS_AHRA
B	7	A32	AQ	88		MD1-0	2.5	2.3	1.1			Tremolite	TAS_AHRA
B	7	A32	AQ		91	MF	1.5	0.4	3.8			Mg, Si, Ca, Fe Tremolite	
B	8	C12	AQ	89		MD1-1	8	5	1.6			Tremolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	8	C12	AQ		92	MF	7	0.6	12			Mg, Si, Ca, Fe Tremolite	AFB>5, PCMEF-US
B	8	C12	AQ	90	93	F	2.2	0.7	3.1			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	8	C12	AQ	91	94	F	2.6	0.6	4.3			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	8	C12	AQ	92	95	F	1	0.2	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	8	C12	AQ	93	96	F	8	1.2	6.7			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	8	C12	CD	94	97	F	3	0.1	30			Chrysotile	TAS_AHRA
B	8	C12	CD	95	98	F	2	0.05	40			Chrysotile	TAS_AHRA
B	8	C12	CD	96	99	F	1.5	0.05	30			Chrysotile	TAS_AHRA
B	8	C12	AQ	97	100	F	3.5	1	3.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	8	C12	CD	98	101	F	7	0.05	140			Chrysotile	AS>5, AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	8	C12	CD	99	102	F	0.7	0.05	14			Chrysotile	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TRA-H2-1ZP-100904 *Lab/Cor Sample No.:* B4773 S93 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A31	CDQ	1	1	F	2.5	0.06	42	1059	787	Mg, Si Chrysotile Verified - JH	TAS_AHRA
A	1	A31	AZQ	2	2	F	1.5	0.5	3.0	1060	788	Mg, Si, Ca, Fe Tremolite Zone Axis [3 1 2] - JH	TAS_AHRA
A	1	A31	CD	3	3	F	1.7	0.05	34			Chrysotile	TAS_AHRA
A	1	A31	AQ	4	4	F	2.4	0.3	8.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	1	A31	CD	5	5	B	1.7	0.3	5.7			Chrysotile	TAS_AHRA
A	1	A31	CD	6	6	F	1.5	0.05	30			Chrysotile	TAS_AHRA
A	1	A31	CD	7	7	F	1.5	0.05	30			Chrysotile	TAS_AHRA
A	1	A31	CD	8	8	B	1	0.1	10			Chrysotile	TAS_AHRA
A	1	A31	AQ	9	9	F	1	0.3	3.3			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	1	A31	AQ	10	10	F	1.6	0.5	3.2			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	1	A31	CD	11	11	B	2.7	0.06	45			Chrysotile	TAS_AHRA
A	1	A31	CD	12	12	B	3	0.2	15			Chrysotile	TAS_AHRA
A	1	A31	AQ	13	13	F	4.5	0.3	15			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	1	A31	CD	14	14	F	1.5	0.03	50			Chrysotile	TAS_AHRA
A	1	A31	AQ	15	15	F	14	1.5	9.3			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	2	B22	AQ	16	16	F	9	1	9.0			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	2	B22	CD	17	17	B	4	0.1	40			Chrysotile	TAS_AHRA
A	2	B22	CD	18	18	F	2.3	0.07	33			Chrysotile	TAS_AHRA
A	2	B22	CD	19	19	F	1.6	0.05	32			Chrysotile	TAS_AHRA
A	2	B22	CD	20	20	B	4	0.3	13			Chrysotile	TAS_AHRA
A	2	B22	CD	21	21	B	1.5	0.25	6.0			Chrysotile	TAS_AHRA
A	2	B22	AQ	22	22	F	1.5	0.15	10			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	2	B22	AQ	23	23	B	1	0.3	3.3			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	2	B22	AQ	24	24	F	5.2	0.4	13			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	2	B22	AQ	25	25	F	3	0.9	3.3			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	2	B22	AQ	26	26	B	1.2	0.4	3.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	2	B22	AQ	27		MD2-1	6	5.5	1.1			Tremolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	2	B22	AQ		27	MF	5.5	0.6	9.2			Mg, Si, Ca, Fe Tremolite	AFB>5, PCMEF-US

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TRA-H2-1ZP-100904 *Lab/Cor Sample No.:* B4773 S93 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	2	B22	AQ		28	MF	4.9	0.6	8.2			Mg, Si, Ca, Fe Tremolite	
A	2	B22	AQ	28	29	B	2.4	1	2.4			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B3	CD	29	30	F	1	0.04	25			Chrysotile	TAS_AHRA
A	3	B3	CD	30	31	B	1	0.2	5.0			Chrysotile	TAS_AHRA
A	3	B3	AQ	31	32	F	1.5	0.3	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B3	CD	32	33	B	8	0.15	53			Chrysotile	AS>5, AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	3	B3	AQ	33	34	F	2.4	0.4	6.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B3	AQ	34	35	B	8	1	8.0			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	3	B3	AQ	35	36	F	2.5	0.4	6.2			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B3	AQ	36	37	B	2.5	0.4	6.2			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B3	AQ	37	38	B	2.8	0.5	5.6			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B3	AQ	38	39	F	4	0.6	6.7			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B3	AQ	39	40	F	2.7	0.5	5.4			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B3	AQ	40	41	B	2.5	0.3	8.3			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B3	AQ	41	42	B	2.4	0.2	12			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B3	AQ	42	43	F	1	0.2	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	3	B3	CD	43	44	F	7.6	0.05	150			Chrysotile	AS>5, AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	3	B3	AQ	44	45	F	1	0.2	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	D20	AQ	45	46	B	2.4	0.5	4.8			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	D20	CD	46	47	B	3.5	0.2	18			Chrysotile	TAS_AHRA
A	4	D20	AQ	47	48	B	2.5	0.5	5.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	D20	CD	48	49	F	2.3	0.05	46			Chrysotile	TAS_AHRA
A	4	D20	CD	49	50	F	1	0.04	25			Chrysotile	TAS_AHRA
A	4	D20	AQ	50	51	B	2.7	1	2.7			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	D20	CD	51		CD2-1	7	1	7.0			Chrysotile	AS>5, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	4	D20	CD		52	CF	7	0.05	140			Chrysotile	AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT
A	4	D20	CD		53	CB	1	0.2	5.0			Chrysotile	

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TRA-H2-1ZP-100904 *Lab/Cor Sample No.:* B4773 S93 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	4	D20	AQ	52	54	F	5.2	0.7	7.4			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	4	D20	AQ	53	55	B	4	1	4.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	D20	CD	54	56	F	2.3	0.05	46			Chrysotile	TAS_AHRA
A	4	D20	AQ	55	57	F	2.3	0.4	5.8			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
A	4	D20	CD	56	58	F	1.4	0.05	28			Chrysotile	TAS_AHRA
A	4	D20	CD	57	59	B	5	0.5	10			Chrysotile	TAS_AHRA
A	4	D20	CD	58	60	F	2.7	0.05	54			Chrysotile	TAS_AHRA
A	4	D20	CD	59	61	B	1.5	0.2	7.5			Chrysotile	TAS_AHRA
B	5	A21	CD	60	62	B	2.5	0.15	17			Chrysotile	TAS_AHRA
B	5	A21	AQ	61	63	F	1.5	0.5	3.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	5	A21	AQ	62	64	F	6	0.7	8.6			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	5	A21	CD	63	65	F	2.5	0.06	42			Chrysotile	TAS_AHRA
B	5	A21	CD	64	66	B	2.5	0.3	8.3			Chrysotile	TAS_AHRA
B	5	A21	CD	65	67	B	2.4	0.2	12			Chrysotile	TAS_AHRA
B	5	A21	CD	66	68	F	1.5	0.04	38			Chrysotile	TAS_AHRA
B	5	A21	CD	67	69	F	1	0.05	20			Chrysotile	TAS_AHRA
B	5	A21	CD	68	70	F	2.3	0.05	46			Chrysotile	TAS_AHRA
B	5	A21	CD	69	71	B	1.5	0.7	2.1			Chrysotile	TAS_AHRA
B	5	A21	AQ	70	72	F	1.2	0.3	4.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	5	A21	AQ	71	73	F	3.8	0.4	9.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	5	A21	AQ	72	74	F	1.5	0.5	3.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	6	B32	CD	73	75	B	4.8	0.25	19			Chrysotile	TAS_AHRA
B	6	B32	AQ	74	76	B	1.6	0.5	3.2			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	6	B32	CD	75	77	F	1.5	0.06	25			Chrysotile	TAS_AHRA
B	6	B32	CD	76	78	F	1.3	0.06	22			Chrysotile	TAS_AHRA
B	6	B32	CD	77	79	F	1.5	0.06	25			Chrysotile	TAS_AHRA
B	6	B32	AQ	78	80	F	2	0.5	4.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	6	B32	CD	79	81	F	2.4	0.04	60			Chrysotile	TAS_AHRA
B	6	B32	AQ	80	82	F	10	1.5	6.7			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	6	B32	AQ	81	83	F	3.8	0.2	19			Mg, Si, Ca, Fe Tremolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TRA-H2-1ZP-100904 *Lab/Cor Sample No.:* B4773 S93 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	6	B32	CD	82	84	B	30	0.5	60			Chrysotile	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS >10, PSAS TOT, PCAS >10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	6	B32	CD	83	85	F	4	0.05	80			Chrysotile	TAS_AHRA
B	6	B32	CD	84	86	F	2.5	0.05	50			Chrysotile	TAS_AHRA
B	6	B32	AQ	85	87	F	7.5	0.4	19			Mg, Si, Ca, Fe Tremolite	AS>5, AFB>5, PCMEF-US, PCMES-US, PSAS 5-10, PSAS TOT, PSAM 5-10, PSAM TOT, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	6	B32	CD	86		CD3-1	23	2	12			Chrysotile	AS>5, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	6	B32	CD		88	CB	23	0.6	38			Chrysotile	AFB>5, PCMEF-US
B	6	B32	CD		89	CB	2.3	0.2	12			Chrysotile	
B	6	B32	CD		90	CR6-0	1.5	0.3	5.0			Chrysotile	
B	6	B32	CD	87	91	F	1.2	0.07	17			Chrysotile	TAS_AHRA
B	6	B32	AQ	88	92	F	1	0.25	4.0			Tremolite	TAS_AHRA
B	6	B32	CD	89	93	F	1.2	0.05	24			Chrysotile	TAS_AHRA
B	7	C10	CD	90	94	F	12	0.05	240			Chrysotile	AS>5, AFB>5, PSAS >10, PSAS TOT, PCAS >10, PCAS TOT, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	7	C10	CD	91		CD3-2	10	1	10			Chrysotile	AS>5, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	7	C10	CD		95	CF	8.5	0.08	110			Chrysotile	AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT
B	7	C10	CD		96	CF	7.5	0.05	150			Chrysotile	AFB>5, PSAS 5-10, PSAS TOT, PCAS 5-10, PCAS TOT
B	7	C10	CD		97	CF	1.5	0.05	30			Chrysotile	
B	7	C10	AQ	92	98	F	3.5	1	3.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	C10	CD	93	99	F	1	0.05	20			Chrysotile	TAS_AHRA
B	7	C10	CD	94	100	F	1	0.05	20			Chrysotile	TAS_AHRA
B	7	C10	AQ	95	101	F	3	0.3	10			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	C10	AQ	96	102	F	0.7	0.2	3.5			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	C10	AQ	97	103	F	2.8	0.25	11			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	C10	AQ	98	104	B	4	0.9	4.4			Mg, Si, Ca, Fe Tremolite	TAS_AHRA
B	7	C10	AQ	99	105	F	0.6	0.2	3.0			Mg, Si, Ca, Fe Tremolite	TAS_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TRA-H8-11TR-100904 *Lab/Cor Sample No.:* B4773 S94 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A12		NSD									
A	2	A20		NSD									
A	3	B23		NSD									
A	4	B2		NSD									
A	5	C33		NSD									
A	6	C20		NSD									
A	7	C40		NSD									
A	8	D32		NSD									
A	9	D11		NSD									
B	10	A2		NSD									
B	11	A31		NSD									
B	12	B23		NSD									
B	13	B1		NSD									
B	14	C4		NSD									
B	15	C22		NSD									
B	16	C40		NSD									
B	17	D23		NSD									
B	18	D2		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TRA-H8-1TR-100904 *Lab/Cor Sample No.:* B4773 S95 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A13	AZQ	1	1	F	4.8	1	4.8	1061	789	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [9 1 10] - JH	TAS_AHRA
A	2	A32		NSD									
A	3	B40		NSD									
A	4	B12		NSD									
A	5	C11		NSD									
A	6	C33		NSD									
A	7	C41		NSD									
A	8	D30	AQ	2	2	F	15	4	3.8			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
A	9	D22	AQ	3	3	F	2.5	0.3	8.3			Mg, Al, Si, Ca, Fe Actinolite	TAS_AHRA
B	10	A12		NSD									
B	11	A32		NSD									
B	12	A40		NSD									
B	13	B32		NSD									
B	14	B11		NSD									
B	15	C33		NSD									
B	16	C20	AQ	4	4	F	14	0.6	23			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	17	D32		NSD									
B	18	D10		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TRA-H8-2TR-100904 *Lab/Cor Sample No.:* B4773 S96 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A11		NSD									
A	2	A32		NSD									
A	3	B10		NSD									
A	4	B3		NSD									
A	5	C12		NSD									
A	6	C31		NSD									
A	7	D40		NSD									
A	8	D42		NSD									
A	9	D2		NSD									
B	10	A13		NSD									
B	11	A32		NSD									
B	12	A20		NSD									
B	13	B32		NSD									
B	14	B13		NSD									
B	15	C12		NSD									
B	16	C31		NSD									
B	17	D40		NSD									
B	18	D22		NSD									
B	19	D1	AZQ	1	1	F	14	2.5	5.6	1062	790	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [4 0 1] - JH	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.
Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TRA-H8-3TR-100904 *Lab/Cor Sample No.:* B4773 S97 A1
Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A20		NSD									
A	2	A33		NSD									
A	3	B40		NSD									
A	4	B10		NSD									
A	5	B23		NSD									
A	6	C4		NSD									
A	7	C21		NSD									
A	8	C40		NSD									
A	9	D12		NSD									
B	10	A1		NSD									
B	11	A23		NSD									
B	12	A41		NSD									
B	13	B20		NSD									
B	14	B3		NSD									
B	15	C11		NSD									
B	16	C40		NSD									
B	17	D20		NSD									
B	18	D2		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TRA-H8-4TR-100904 *Lab/Cor Sample No.:* B4773 S98 A1

Descripiton:

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		NSD									
A	4	C13		NSD									
A	5	C33		NSD									
A	6	C42		NSD									
A	7	C22		NSD									
A	8	C2		NSD									
A	9	B12		NSD									
A	10	B42		NSD									
B	11	B44		NSD									
B	12	B24		NSD									
B	13	B14		NSD									
B	14	C4		NSD									
B	15	C24		NSD									
B	16	C43		NSD									
B	17	C23		NSD									
B	18	C3		NSD									

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A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: TRA-H8-5TR-100904 *Lab/Cor Sample No.:* B4773 S99 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A11		NSD									
A	2	A42		NSD									
A	3	B30		NSD									
A	4	B13		NSD									
A	5	C1		NSD									
A	6	C23		NSD									
A	7	C42		NSD									
A	8	D30		NSD									
A	9	D12		NSD									
B	10	A20		NSD									
B	11	A32		NSD									
B	12	B21		NSD									
B	13	B13		NSD									
B	14	C11		NSD									
B	15	C33		NSD									
B	16	C41		NSD									
B	17	D20		NSD									
B	18	D2		NSD									

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A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-H1-1FD-101004 *Lab/Cor Sample No.:* B4773 S102 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A2		NSD									
A	2	A31		NSD									
A	3	B32		NSD									
A	4	B1		NSD									
A	5	C3		NSD									
A	6	C22		NSD									
A	7	D30		NSD									
A	8	D42		NSD									
A	9	D22		NSD									
B	10	A21		NSD									
B	11	A40		NSD									
B	12	B11		NSD									
B	13	C3		NSD									
B	14	C11		NSD									
B	15	C30		NSD									
B	16	D41		NSD									
B	17	D23		NSD									
B	18	D1		NSD									
B	19	A3		NSD									
B	20	A24		NSD									
B	21	A30		NSD									

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A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-H1-2FD-101004 *Lab/Cor Sample No.:* B4773 S103 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44	CDQ	1	1	F	1.1	0.05	22	1067	15399	Mg, Si Chrysotile Verified - JH	TAS_AHRA
A	2	B24		NSD									
A	3	B4		NSD									
A	4	C14		NSD									
A	5	C34		NSD									
A	6	C43		NSD									
A	7	C23		NSD									
A	8	C3		NSD									
A	9	B13		NSD									
A	10	B33		NSD									
A	11	B42		NSD									
B	12	B44		NSD									
B	13	B24	AZQ	2	2	F	3	0.9	3.3	1078	15400	Mg, Si, Ca, Fe Actinolite Zone Axis [1 1 1] - JH	TAS_AHRA
B	14	B4		NSD									
B	15	C14		NSD									
B	16	C34		NSD									
B	17	C43		NSD									
B	18	C23		NSD									
B	19	C3		NSD									
B	20	B13		NSD									
B	21	B33		NSD									
B	22	B42		NSD									

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A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-H2-4FD-101004 *Lab/Cor Sample No.:* B4773 S105 A1

Descripiton:

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	B14		NSD									
A	4	B4		NSD									
A	5	C4		NSD									
A	6	C14		NSD									
A	7	C44		NSD									
A	8	C32		NSD									
A	9	C12		NSD									
A	10	C1		NSD									
A	11	B11		NSD									
A	12	A10		NSD									
B	13	A20		NSD									
B	14	A40		NSD									
B	15	A1		NSD									
B	16	D11	AZQ	1	1	B	2.5	2	1.2	1068	15408	Mg, Si, Ca, Fe Actinolite Zone Axis [1 0 2] - JH	TAS_AHRA
B	17	D30		NSD									
B	18	C41		NSD									
B	19	C21		NSD									
B	20	C11		NSD									
B	21	B1		NSD									
B	22	B21		NSD									
B	23	B41		NSD									

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Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-H2-5EFD-101004 *Lab/Cor Sample No.:* B4773 S106 A1

Descripiton:

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	AZQ	1	1	F	7.5	2	3.8	1080	15415	Mg, Si, Ca, Fe Actinolite Zone Axis [4 0 3] - JH	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	6	C4		NSD									
A	7	C14		NSD									
A	8	C24		NSD									
A	9	C34		NSD									
A	10	C44		NSD									
A	11	C43		NSD									
A	12	C42		NSD									
A	13	C32		NSD									
A	14	C22		NSD									
A	15	C12		NSD									
A	16	C2		NSD									
A	17	B2		NSD									
A	18	B12		NSD									
A	19	B22		NSD									
A	20	B32		NSD									
A	21	B42		NSD									
A	22	B41		NSD									
A	23	B21		NSD									
A	24	B1		NSD									
B	25	B44		NSD									
B	26	B34		NSD									
B	27	B24		NSD									
B	28	B14		NSD									
B	29	B4		NSD									
B	30	C4		NSD									
B	31	C14		NSD									
B	32	C24		NSD									
B	33	C34		NSD									

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Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-H2-5EFD-101004 *Lab/Cor Sample No.:* B4773 S106 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	34	C44	AQ	2	2	F	13	2.5	5.2			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	35	C42		NSD									
B	36	C32		NSD									
B	37	C22		NSD									
B	38	C2		NSD									
B	39	B2		NSD									
B	40	B12		NSD									
B	41	B22		NSD									
B	42	B32		NSD									
B	43	B42		NSD									
B	44	B40		NSD									

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A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-H2-5WFD-101004 *Lab/Cor Sample No.:* B4773 S107 A1

Descripiton:

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	C42		NSD									
A	12	C32		NSD									
A	13	C22		NSD									
A	14	C12		NSD									
A	15	C2		NSD									
A	16	B2	AZQ	1	1	F	9	0.85	11	1081	15417	Mg, Si, Ca, Fe Actinolite Zone Axis [2 0 1] - JH	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	17	B12		NSD									
A	18	B22		NSD									
A	19	B32		NSD									
A	20	B42		NSD									
A	21	B40		NSD									
A	22	B30		NSD									
A	23	B20		NSD									
B	24	B41		NSD									
B	25	B31		NSD									
B	26	B21		NSD									
B	27	B11		NSD									
B	28	B1		NSD									
B	29	C1		NSD									
B	30	C11		NSD									
B	31	C21	AQ	2	2	F	2.5	0.5	5.0		15418	Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	32	C31		NSD									
B	33	C41		NSD									

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A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEB-H2-5WFD-101004 *Lab/Cor Sample No.:* B4773 S107 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
B	34	C43		NSD									
B	35	C33		NSD									
B	36	C23		NSD									
B	37	C13		NSD									
B	38	C3		NSD									
B	39	B3		NSD									
B	40	B13		NSD									
B	41	B23		NSD									
B	42	B33		NSD									
B	43	B43		NSD									
B	44	B34		NSD									

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Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-3FD-101004 *Lab/Cor Sample No.:* B4773 S110 A1

Descripiton:

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		NSD									
A	4	C14		NSD									
A	5	C34		NSD									
A	6	C43		NSD									
A	7	C23		NSD									
A	8	C3	AZQ	1	1	F	5	0.85	5.9	1069	15410	Mg, Si, Ca, Fe Actinolite Zone Axis [3 2 1] - JH	TAS_AHRA
A	9	B2		NSD									
A	10	B12		NSD									
A	11	B32		NSD									
A	12	B42		NSD									
A	13	A40		NSD									
B	14	B40		NSD									
B	15	B30		NSD									
B	16	B20		NSD									
B	17	B1		NSD									
B	18	B11		NSD									
B	19	B21		NSD									
B	20	B41		NSD									
B	21	B43		NSD									
B	22	B24		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.
Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEG-H2-4FD-101004 *Lab/Cor Sample No.:* B4773 S111 A1
Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B44	CDQ	1		MD2-0	2.5	2.5	1.0			Chrysotile	TAS_AHRA
A	1	B44	CDQ		1	MF	1.5	0.15	10	5536	15411	Mg, Si Chrysotile Verified - JH	
A	1	B44	CDQ		2	MB	1	0.2	5.0			Chrysotile	
A	2	B34		NSD									
A	3	B14		NSD									
A	4	B4		NSD									
A	5	C14		NSD									
A	6	C34		NSD									
A	7	C43		NSD									
A	8	C23		NSD									
A	9	C3		NSD									
A	10	B13	AZQ	2	3	F	5.5	0.75	7.3	5563	15412	Mg, Si, Ca, Fe Actinolite Zone Axis [3 1 0] - DW	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	11	B33		NSD									
A	12	B43		NSD									
A	13	B42		NSD									
B	14	B10		NSD									
B	15	B20		NSD									
B	16	B40	AQ	3	4	F	1.5	0.4	3.8			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	17	B30		NSD									
B	18	B42		NSD									
B	19	B22		NSD									
B	20	B2		NSD									
B	21	C12		NSD									
B	22	C32		NSD									
B	23	C30		NSD									

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A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-H2-15FD-101004 *Lab/Cor Sample No.:* B4773 S113 A1

Descripiton:

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		NSD									
A	4	C14		NSD									
A	5	C34		NSD									
A	6	C43		NSD									
A	7	C23		NSD									
A	8	C3		NSD									
A	9	C13		NSD									
A	10	C33		NSD									
A	11	C42		NSD									
B	12	B44		NSD									
B	13	B24		NSD									
B	14	B4		NSD									
B	15	C14	ADQ	1	1	F	2.5	0.4	6.2	5564	15413	Mg, Si, Ca, Fe Actinolite Zone Axis [-1 3 2] - DW	TAS_AHRA
B	16	C34		NSD									
B	17	C43		NSD									
B	18	C23		NSD									
B	19	C3		NSD									
B	20	C13		NSD									
B	21	C33		NSD									
B	22	C42		NSD									

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A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-H2-1FD-101004 *Lab/Cor Sample No.:* B4773 S114 A1

Descripiton:

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		NSD									
A	4	C14		NSD									
A	5	C34		NSD									
A	6	C43		NSD									
A	7	C23		NSD									
A	8	C3		NSD									
A	9	C13		NSD									
A	10	C33		NSD									
A	11	C42		NSD									
B	12	B44		NSD									
B	13	B24		NSD									
B	14	B4		NSD									
B	15	C14		NSD									
B	16	C34		NSD									
B	17	D42		NSD									
B	18	D32		NSD									
B	19	D12		NSD									
B	20	D2		NSD									
B	21	A12		NSD									
B	22	A22		NSD									
B	23	A42		NSD									
B	24	A40		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-H2-2FD-101004 *Lab/Cor Sample No.:* B4773 S115 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	B41		NSD									
A	2	A31		NSD									
A	3	A21		NSD									
A	4	A11		NSD									
A	5	A1		NSD									
A	6	D1		NSD									
A	7	D11		NSD									
A	8	C41		NSD									
A	9	C31		NSD									
A	10	C21		NSD									
A	11	C1		NSD									
A	12	B11		NSD									
A	13	B31		NSD									
B	14	B44	ADQ	1	1	F	10	1	10	5565	15420	Mg, Si, Ca, Fe Actinolite Zone Axis [5 1 2] - DW	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	15	B24		NSD									
B	16	B4		NSD									
B	17	C14		NSD									
B	18	C34		NSD									
B	19	C43	AQ	2	2	F	6	1.2	5.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	20	C23	AQ	3	3	F	7.5	1.5	5.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	21	C3		NSD									
B	22	B13		NSD									
B	23	B43		NSD									
B	24	B42		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-H2-3FD-101004 *Lab/Cor Sample No.:* B4773 S116 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A32		NSD									
A	2	A20		NSD									
A	3	A3		NSD									
A	4	D14		NSD									
A	5	D33		NSD									
A	6	D41		NSD									
A	7	C30		NSD									
A	8	C22		NSD									
A	9	C1		NSD									
A	10	B3		NSD									
A	11	B24		NSD									
B	12	A20	AZQ	1	1	F	4.3	0.7	6.1	1063	791	Mg, Al, Si, Ca, Fe Actinolite Zone Axis [2 0 1] - JH	TAS_AHRA
B	13	A33		NSD									
B	14	A40		NSD									
B	15	B32		NSD									
B	16	B10		NSD									
B	17	B3	AQ	2	2	F	9	2	4.5			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
B	18	C23		NSD									
B	19	C31		NSD									
B	20	D40		NSD									
B	21	D21	AQ	3	3	F	6.5	0.6	11			Mg, Al, Si, Ca, Fe Actinolite	AS>5, AFB>5, PCMEF-US, PCMES-US, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-H2-4FD-101004 *Lab/Cor Sample No.:* B4773 S117 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	1	A32		NSD									
A	2	A2		NSD									
A	3	D22		NSD									
A	4	C40		NSD									
A	5	B10		NSD									
A	6	B30		NSD									
A	7	B22		NSD									
A	8	C1		NSD									
A	9	C13		NSD									
A	10	C10		NSD									
A	11	D30		NSD									
A	12	D11		NSD									
B	13	A33		NSD									
B	14	A3		NSD									
B	15	D13		NSD									
B	16	D33		NSD									
B	17	C40		NSD									
B	18	D20		NSD									
B	19	B10		NSD									
B	20	B32		NSD									
B	21	B2		NSD									
B	22	C12		NSD									
B	23	C32		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JEP-H2-5FD-101004 *Lab/Cor Sample No.:* B4773 S118 A1

Descripiton:

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	C44		NSD									
A	8	C43		NSD									
A	9	C42		NSD									
A	10	C22	AZQ	1		MD1-0	10	10	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	10	C22	AZQ		1	MF	4.5	0.35	13	5566	15422	Mg, Si, Ca, Fe Actinolite Zone Axis [2 0 1] - DW	
A	11	C2		NSD									
A	12	B22		NSD									
B	13	A1		NSD									
B	14	A11		NSD									
B	15	A31		NSD									
B	16	A41		NSD									
B	17	B40		NSD									
B	18	B31		NSD									
B	19	B21		NSD									
B	20	B1		NSD									
B	21	C11		NSD									
B	22	C21		NSD									
B	23	C41		NSD									
B	24	C33		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.
Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-1NA-100704 *Lab/Cor Sample No.:* B4773 S119 A1
Descripiton:

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	B14		NSD									
A	4	B4		NSD									
A	5	C14		NSD									
A	6	C24		NSD									
A	7	C43		NSD									
A	8	C33		NSD									
A	9	C23		NSD									
A	10	C13		NSD									
A	11	C3		NSD									
A	12	B13		NSD									
A	13	B33		NSD									
A	14	B43		NSD									
A	15	B32		NSD									
A	16	B22		NSD									
A	17	B12		NSD									
A	18	B2		NSD									
A	19	C22	AQ	1		MD1-1	10	6	1.7			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS5-10_AHRA
A	19	C22	AQ		1	MF	10	1.2	8.3			Mg, Si, Ca, Fe Actinolite	AFB>5, PCMEF-US
A	20	C12		NSD									
A	21	C42		NSD									
A	22	C41		NSD									
A	23	C31		NSD									
A	24	C11		NSD									
A	25	C1		NSD									
A	26	B1		NSD									
A	27	B21		NSD									
A	28	B31		NSD									
A	29	B41		NSD									
A	30	A40		NSD									
A	31	A31		NSD									
A	32	A20		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-1NA-100704 *Lab/Cor Sample No.:* B4773 S119 A1

Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
A	33	A11		NSD									
A	34	A1		NSD									
B	35	A43	AZQ	2	2	F	2.5	0.6	4.2	5567	15423	Mg, Si, Ca, Fe Actinolite Zone Axis [5 3 0] - DW	TAS_AHRA
B	36	A33		NSD									
B	37	A23		NSD									
B	38	A13		NSD									
B	39	A3		NSD									
B	40	D13		NSD									
B	41	D23	AQ	3	3	F	20	5	4.0			Mg, Si, Ca, Fe Actinolite	AS>5, AFB>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
B	42	D43		NSD									
B	43	D42		NSD									
B	44	D32		NSD									
B	45	D22		NSD									
B	46	D2	AQ	4	4	F	4	1	4.0			Mg, Si, Ca, Fe Actinolite	TAS_AHRA
B	47	A2		NSD									
B	48	A12		NSD									
B	49	A32		NSD									
B	50	A42		NSD									
B	51	A31		NSD									
B	52	A21		NSD									
B	53	A11		NSD									
B	54	A1		NSD									
B	55	D1		NSD									
B	56	C10		NSD									
B	57	C20		NSD									
B	58	C30		NSD									
B	59	C40		NSD									
B	60	C31		NSD									
B	61	C21		NSD									
B	62	C1		NSD									
B	63	B1		NSD									
B	64	B21		NSD									
B	65	B41		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.
Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

TEM ASBESTOS STRUCTURE COUNT - RAW DATA

Sample No.: JOGB-L2-1NA-100704 *Lab/Cor Sample No.:* B4773 S119 A1
Descripiton:

Gr	No.	Loc.	ID	Prim	Tot	Class	Len	Wid	Asp	Neg#	EDS#	Comment	Count Categories
C	66	B44		NSD									
C	67	B34		NSD									
C	68	B24		NSD									
C	69	B14		NSD									
C	70	B4		NSD									
C	71	C4		NSD									
C	72	C14		NSD									
C	73	C24		NSD									
C	74	C34		NSD									
C	75	C44		NSD									
C	76	C42		NSD									
C	77	C32		NSD									
C	78	B2		NSD									
C	79	B12		NSD									
C	80	B22	AZQ	5		MD1-0	12	12	1.0			Actinolite	AS>5, TAS_AHRA, AS>5_AHRA, AS>10_AHRA
C	80	B22	AZQ		5	MF	5	1.5	3.3	5568	15424	Mg, Si, Ca, Fe Actinolite Zone Axis - [3 1 2] - DW	
C	81	B32		NSD									
C	82	B42		NSD									
C	83	A41		NSD									
C	84	A31		NSD									
C	85	A21	CDQ	6		MD3-0	5	5	1.0			Mg, Si Chrysotile	TAS_AHRA
C	85	A21	CDQ		6	MB	5	0.5	10	1064	792	Mg, Si Chrysotile Verified - JH	
C	85	A21	CQ		7	MF	1.5	0.1	15			Mg, Si Chrysotile	
C	85	A21	CQ		8	MF	1	0.1	10			Mg, Si Chrysotile	
C	86	A1		NSD									
C	87	D1		NSD									
C	88	A2		NSD									
C	89	A12		NSD									
C	90	A22		NSD									

Lab/Cor, Inc.

A Professional Service Corporation in the Northwest

Report # 041191R6

Client: Ecology and Environment, Inc.

Project Name: Site #0440.01CP Sample Set #3 - FINAL RESULTS

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

B 4773

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CHAIN OF CUSTODY RECORD

Site #: 0440.01CP

Contact Name: HOWARD EDWARDS

Contact Phone: 415-981-2811

No: 0440.01CP 10/07/04

Cooler #:

Lab: Lab/Cor, Inc.

Lab Phone: (206) 781-0155

EPA Contract #:

Lab #	Sample #	Analyses	Matrix	Date Collected	Sample Time	Numb Cont	Volume	Vol Units	Priority
01	CC6-H6-1CP-100704	ISO 10312	Air	10/7/2004	17:45	1	2436	Liters	1
02	CC6-H6-2CP-100704	ISO 10312	Air	10/7/2004	17:45	1	2452.8	Liters	1
03	CC6-L6-1CA-100704	ISO 10312	Air	10/7/2004	17:43	1	918	Liters	1
04	CC6-L6-1CB-100704	ISO 10312	Air	10/7/2004	17:43	1	893.16	Liters	1
05	CC6-L6-2CB-100704	ISO 10312	Air	10/7/2004	17:43	1	920.52	Liters	1
06	CC6-L6-3CB-100704	ISO 10312	Air	10/7/2004	17:37	1	904.68	Liters	1
66	CPS-H2-14FD-100704	ISO 10312	Air	10/7/2004	17:43	1	1239.6	Liters	2
07	CPS-H2-1FD-100704	ISO 10312	Air	10/7/2004	17:43	1	1238.16	Liters	1
67	CPS-H2-1PG-100704	ISO 10312	Air	10/7/2004	17:45	1	1189.92	Liters	2
08	CPS-H2-1ZB-100704	ISO 10312	Air	10/7/2004	17:45	1	1201.29	Liters	1
09	CPS-H2-2FD-100704	ISO 10312	Air	10/7/2004	17:43	1	1273.2	Liters	1
68	CPS-H2-2PG-100704	ISO 10312	Air	10/7/2004	17:45	1	1208.4	Liters	2
69	CPS-H2-3FD-100704	ISO 10312	Air	10/7/2004	17:43	1	1176.24	Liters	2
70	CPS-H2-3PG-100704	ISO 10312	Air	10/7/2004	17:45	1	1133.52	Liters	2
10	CPS-H2-4FD-100704	ISO 10312	Air	10/7/2004	17:43	1	1197.72	Liters	1
71	CPS-H2-4PG-100704	ISO 10312	Air	10/7/2004	17:45	1	1260	Liters	2
72	CPS-H2-5FD-100704	ISO 10312	Air	10/7/2004	17:43	1	1236	Liters	2
73	CPS-H2-5PG-100704	ISO 10312	Air	10/7/2004	17:45	1	1200	Liters	2
11	CPS-L2-15CH-100704	ISO 10312	Air	10/7/2004	17:43	1	306.6	Liters	1
12	CPS-L2-1CH-100704	ISO 10312	Air	10/7/2004	17:43	1	298.92	Liters	1

Comments:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

SAMPLE SET #3

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
	[signature]	10/11/04	FED-X B/L # 841 853161701	10/11/04	1400						
			10-12-04								

B4773

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CHAIN OF CUSTODY RECORD

Site #: 0440.01CP

Contact Name: HOWARD EDWARDS

Contact Phone: 415-981-2811

No: 0440.01CP 10/07/04

Cooler #:

Lab: Lab/Cor, Inc.

Lab Phone: (206) 781-0155

EPA Contract #:

Lab #	Sample #	Analyses	Matrix	Date Collected	Sample Time	Numb Cont	Volume	Vol Units	Priority
13	CPS-L2-1NA-100704	ISO 10312	Air	10/7/2004	17:43	1	307.2	Liters	1
14	CPS-L2-2CH-100704	ISO 10312	Air	10/7/2004	17:43	1	295.44	Liters	1
15	CPS-L2-3CH-100704	ISO 10312	Air	10/7/2004	17:43	1	301.32	Liters	1
16	CPS-L2-4CH-100704	ISO 10312	Air	10/7/2004	17:43	1	302.16	Liters	1
17	CPS-L2-5CH-100704	ISO 10312	Air	10/7/2004	17:43	1	304.2	Liters	1
74	CPS-L2-FB-100704	ISO 10312	Air	10/7/2004	17:43	1	300.29	Liters	2
75	JEB-L2-1ZP-101004	ISO 10312	Air	10/7/2004	17:17	1	299.89	Liters	2
76	JOGB-H2-12TR-100704	ISO 10312	Air	10/7/2004	10:53	1	1239.6	Liters	2
77	JOGB-H2-1TR-100704	ISO 10312	Air	10/7/2004	10:53	1	1248	Liters	2
78	JOGB-H2-2TR-100704	ISO 10312	Air	10/7/2004	10:53	1	1204.8	Liters	2
79	JOGB-H2-3TR-100704	ISO 10312	Air	10/7/2004	08:53	1	1134.9	Liters	2
80	JOGB-H2-4TR-100704	ISO 10312	Air	10/7/2004	10:53	1	1176.96	Liters	2
81	JOGB-H2-5TR-100704	ISO 10312	Air	10/7/2004	10:53	1	1179.12	Liters	2
18	JOGB-L2-12AD-100704	ISO 10312	Air	10/7/2004	10:53	1	295.2	Liters	1
19	JOGB-L2-1AD-100704	ISO 10312	Air	10/7/2004	10:53	1	301.44	Liters	1
119	JOGB-L2-1NA-100704	ISO 10312	Air	10/7/2004	10:53	1	299.64	Liters	
20	JOGB-L2-2AD-100704	ISO 10312	Air	10/7/2004	10:53	1	293.4	Liters	1
21	JOGB-L2-3AD-100704	ISO 10312	Air	10/7/2004	10:53	1	293.16	Liters	1
22	JOGB-L2-4AD-100704	ISO 10312	Air	10/7/2004	10:53	1	298.2	Liters	1
23	JOGB-L2-5AD-100704	ISO 10312	Air	10/7/2004	10:53	1	299.4	Liters	1

Comments:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
			[illegible]	10·12·04							

B4773

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CHAIN OF CUSTODY RECORD

No: 0440.01CP 10/07/04

Site #: 0440.01CP

Cooler #:

EPA Contract #:

Contact Name: HOWARD EDWARDS

Lab: Lab/Cor, Inc.

Contact Phone: 415-981-2811

Lab Phone: (206) 781-0155

Lab #	Sample #	Analyses	Matrix	Date Collected	Sample Time	Numb Cont	Volume	Vol Units	Priority
82	NYB-H2-12FD-100704	ISO 10312	Air	10/7/2004	14:37	1	606.99	Liters	2
83	NYB-H2-13PG-100704	ISO 10312	Air	10/7/2004	14:39	1	1306.8	Liters	2
24	NYB-H2-1FD-100704	ISO 10312	Air	10/7/2004	14:37	1	582.92	Liters	1
84	NYB-H2-1PG-100704	ISO 10312	Air	10/7/2004	14:39	1	1192.68	Liters	2
25	NYB-H2-1ZP-100704	ISO 10312	Air	10/7/2004	14:37	1	1199.87	Liters	1
85	NYB-H2-22FD-100704	ISO 10312	Air	10/7/2004	14:37	1	614.54	Liters	2
26	NYB-H2-2FD-100704	ISO 10312	Air	10/7/2004	14:37	1	598.5	Liters	1
86	NYB-H2-2PG-100704	ISO 10312	Air	10/7/2004	14:39	1	1186.8	Liters	2
87	NYB-H2-3FD-100704	ISO 10312	Air	10/7/2004	14:37	1	580.78	Liters	2
88	NYB-H2-3PG-100704	ISO 10312	Air	10/7/2004	14:39	1	1175.52	Liters	2
27	NYB-H2-4FD-100704	ISO 10312	Air	10/7/2004	14:37	1	1164.6	Liters	1
89	NYB-H2-4PG-100704	ISO 10312	Air	10/7/2004	14:39	1	1257.6	Liters	2
90	NYB-H2-5FD-100704	ISO 10312	Air	10/7/2004	14:37	1	1244.4	Liters	2
91	NYB-H2-5PG-100704	ISO 10312	Air	10/7/2004	16:43	1	1691.89	Liters	2
28	NYB-L2-11CH-100704	ISO 10312	Air	10/7/2004	14:37	1	306.24	Liters	1
29	NYB-L2-1CH-100704	ISO 10312	Air	10/7/2004	14:37	1	305.4	Liters	1
30	NYB-L2-1NA-100704	ISO 10312	Air	10/7/2004	14:37	1	296.76	Liters	1
31	NYB-L2-1ZB-100704	ISO 10312	Air	10/7/2004	16:43	1	302.05	Liters	1
92	NYB-L2-1ZP-100704	ISO 10312	Air	10/7/2004	14:37	1	300.88	Liters	2
32	NYB-L2-2CH-100704	ISO 10312	Air	10/7/2004	14:37	1	295.68	Liters	1

Comments:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
			[illegible]	10.12.04							

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CHAIN OF CUSTODY RECORD

No: 0440.01CP 10/07/04

Site #: 0440.01CP

Cooler #:

EPA Contract #:

Contact Name: HOWARD EDWARDS

Lab: Lab/Cor, Inc.

Contact Phone: 415-981-2811

Lab Phone: (206) 781-0155

Lab #	Sample #	Analyses	Matrix	Date Collected	Sample Time	Numb Cont	Volume	Vol Units	Priority
33	NYB-L2-3CH-100704	ISO 10312	Air	10/7/2004	14:37	1	300.96	Liters	1
34	NYB-L2-4CH-100704	ISO 10312	Air	10/7/2004	14:37	1	305.28	Liters	1
35	NYB-L2-5CH-100704	ISO 10312	Air	10/7/2004	14:37	1	301.44	Liters	1
93	TRA-H2-1ZP-100904	ISO 10312	Air	10/9/2004	17:57	1	1200.09	Liters	2
94	TRA-H8-11TR-100904	ISO 10312	Air	10/9/2004	18:01	1	5088.2	Liters	2
95	TRA-H8-1TR-100904	ISO 10312	Air	10/9/2004	18:01	1	5023.98	Liters	2
96	TRA-H8-2TR-100904	ISO 10312	Air	10/9/2004	17:57	1	4882.15	Liters	2
97	TRA-H8-3TR-100904	ISO 10312	Air	10/9/2004	17:16	1	5007.39	Liters	2
98	TRA-H8-4TR-100904	ISO 10312	Air	10/9/2004	17:26	1	5022.34	Liters	2
99	TRA-H8-5TR-100904	ISO 10312	Air	10/9/2004	17:41	1	5045.1	Liters	2
100	TRA-L2-1ZB-100904	ISO 10312	Air	10/9/2004	18:01	1	303.21	Liters	2
36	CC9-L6-11CA-101004	ISO 10312	Air	10/10/2004	17:17	1	878.04	Liters	1
37	CC9-L6-1CA-101004	ISO 10312	Air	10/10/2004	17:17	1	903.6	Liters	1
38	CC9-L6-1CC-101004	ISO 10312	Air	10/10/2004	17:17	1	923.4	Liters	1
39	CC9-L6-2CC-101004	ISO 10312	Air	10/10/2004	17:17	1	929.16	Liters	1
40	CC9-L6-3CC-101004	ISO 10312	Air	10/10/2004	17:17	1	928.08	Liters	1
101	JEB-H1-12FD-101004	ISO 10312	Air	10/10/2004	17:17	1	1231.2	Liters	2
102	JEB-H1-1FD-101004	ISO 10312	Air	10/10/2004	17:17	1	1306.8	Liters	2
103	JEB-H1-2FD-101004	ISO 10312	Air	10/10/2004	17:17	1	1222.8	Liters	2
104	JEB-H1-3FD-101004	ISO 10312	Air	10/10/2004	17:17	1	1255.2	Liters	2

Comments:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
			[illegible]	10.12.04							

B4773

041191 5/6

CHAIN OF CUSTODY RECORD

No: 0440.01CP 10/07/04

Site #: 0440.01CP

Cooler #:

EPA Contract #:

Contact Name: HOWARD EDWARDS

Lab: Lab/Cor, Inc.

Contact Phone: 415-981-2811

Lab Phone: (206) 781-0155

Lab #	Sample #	Analyses	Matrix	Date Collected	Sample Time	Numb Cont	Volume	Vol Units	Priority
41	JEB-H1-6FD-101004	ISO 10312	Air	10/10/2004	17:17	1	1216.8	Liters	1
42	JEB-H1-7FD-101004	ISO 10312	Air	10/10/2004	17:17	1	609	Liters	1
105	JEB-H2-4FD-101004	ISO 10312	Air	10/10/2004	17:17	1	1186.62	Liters	2
106	JEB-H2-5EFD-101004	ISO 10312	Air	10/10/2004	16:17	1	615	Liters	2
107	JEB-H2-5WFD-101004	ISO 10312	Air	10/10/2004	17:17	1	622.2	Liters	2
43	JEB-L2-1CH-101004	ISO 10312	Air	10/10/2004	17:17	1	313.2	Liters	1
44	JEB-L2-1NA-101004	ISO 10312	Air	10/10/2004	17:17	1	316.56	Liters	1
45	JEB-L2-2CH-101004	ISO 10312	Air	10/10/2004	17:17	1	307.92	Liters	1
46	JEB-L2-3CH-101004	ISO 10312	Air	10/10/2004	17:17	1	307.44	Liters	1
47	JEB-L2-4CH-101004	ISO 10312	Air	10/10/2004	17:17	1	309.72	Liters	1
48	JEB-L2-5CH-101004	ISO 10312	Air	10/10/2004	17:17	1	318.84	Liters	1
108	JEG-H2-1FD-101004	ISO 10312	Air	10/10/2004	11:14	1	1258.8	Liters	2
109	JEG-H2-2FD-101004	ISO 10312	Air	10/10/2004	11:14	1	1185.06	Liters	2
110	JEG-H2-3FD-101004	ISO 10312	Air	10/10/2004	11:14	1	1206.06	Liters	2
111	JEG-H2-4FD-101004	ISO 10312	Air	10/10/2004	11:14	1	1186.68	Liters	2
112	JEG-H2-5FD-101004	ISO 10312	Air	10/10/2004	11:14	1	1243.2	Liters	2
49	JEG-L2-15CH-101004	ISO 10312	Air	10/10/2004	11:14	1	307.56	Liters	1
50	JEG-L2-1AD-101004	ISO 10312	Air	10/10/2004	11:14	1	303.72	Liters	1
51	JEG-L2-1CH-101004	ISO 10312	Air	10/10/2004	11:14	1	296.76	Liters	1
52	JEG-L2-1ZB-101004	ISO 10312	Air	10/10/2004	11:14	1	299.29	Liters	1

Comments:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
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B 4173

041191 6/6

CHAIN OF CUSTODY RECORD

Site #: 0440.01CP

Contact Name: HOWARD EDWARDS

Contact Phone: 415-981-2811

No: 0440.01CP 10/07/04

Cooler #:

Lab: Lab/Cor, Inc.

Lab Phone: (206) 781-0155

EPA Contract #:

Lab #	Sample #	Analyses	Matrix	Date Collected	Sample Time	Numb Cont	Volume	Vol Units	Priority
53	JEG-L2-2CH-101004	ISO 10312	Air	10/10/2004	11:14	1	303.72	Liters	1
54	JEG-L2-3CH-101004	ISO 10312	Air	10/10/2004	11:14	1	309.24	Liters	1
55	JEG-L2-4CH-101004	ISO 10312	Air	10/10/2004	11:14	1	302.52	Liters	1
56	JEG-L2-5CH-101004	ISO 10312	Air	10/10/2004	11:14	1	291.96	Liters	1
57	JEG-L2-FB-101004	ISO 10312	Air	10/10/2004	11:14	1	299.9	Liters	1
113	JEP-H2-15FD-101004	ISO 10312	Air	10/10/2004	14:06	1	1230	Liters	2
114	JEP-H2-1FD-101004	ISO 10312	Air	10/10/2004	14:06	1	1222.8	Liters	2
115	JEP-H2-2FD-101004	ISO 10312	Air	10/10/2004	14:06	1	1180.8	Liters	2
116	JEP-H2-3FD-101004	ISO 10312	Air	10/10/2004	14:06	1	1290.6	Liters	2
117	JEP-H2-4FD-101004	ISO 10312	Air	10/10/2004	14:06	1	1163.52	Liters	2
118	JEP-H2-5FD-101005 4	ISO 10312	Air	10/10/2004	14:06	1	1220.4	Liters	2
58	JEP-L2-1CH-101004	ISO 10312	Air	10/10/2004	14:06	1	290.16	Liters	1
59	JEP-L2-1NA-101004	ISO 10312	Air	10/10/2004	14:06	1	307.44	Liters	1
60	JEP-L2-1ZB-101004	ISO 10312	Air	10/10/2004	14:06	1	301.87	Liters	1
61	JEP-L2-2CH-101004	ISO 10312	Air	10/10/2004	14:06	1	308.04	Liters	1
62	JEP-L2-3CH-101004	ISO 10312	Air	10/10/2004	14:06	1	309.6	Liters	1
63	JEP-L2-4CH-101004	ISO 10312	Air	10/10/2004	14:06	1	298.92	Liters	1
64	JEP-L2-5CH-101004	ISO 10312	Air	10/10/2004	14:06	1	305.88	Liters	1
65	TRA-L2-1ZP-100904	ISO 10312	Air	10/10/2004	17:57	1	300.76	Liters	1

Comments:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
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ACTINOLITE
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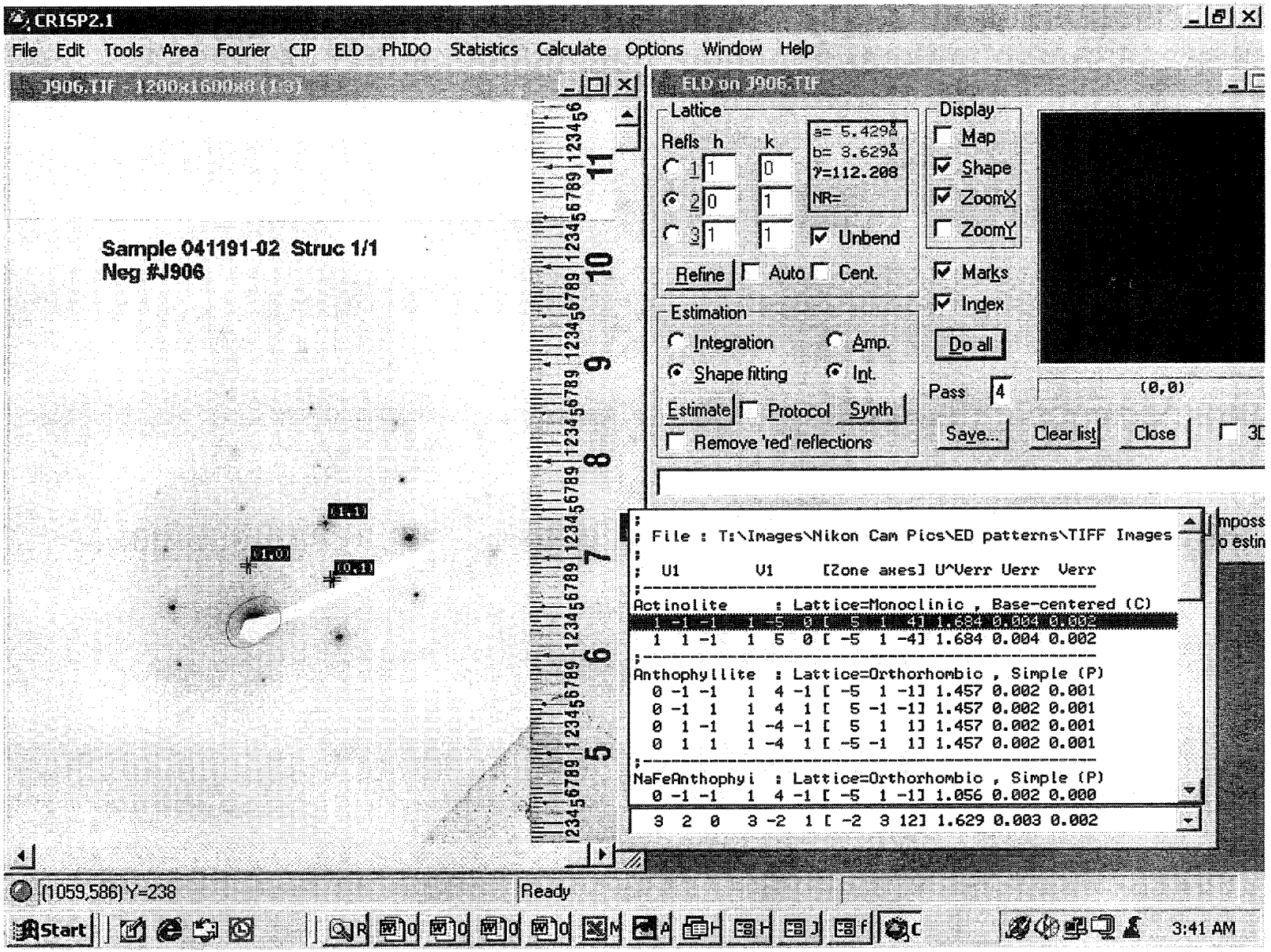

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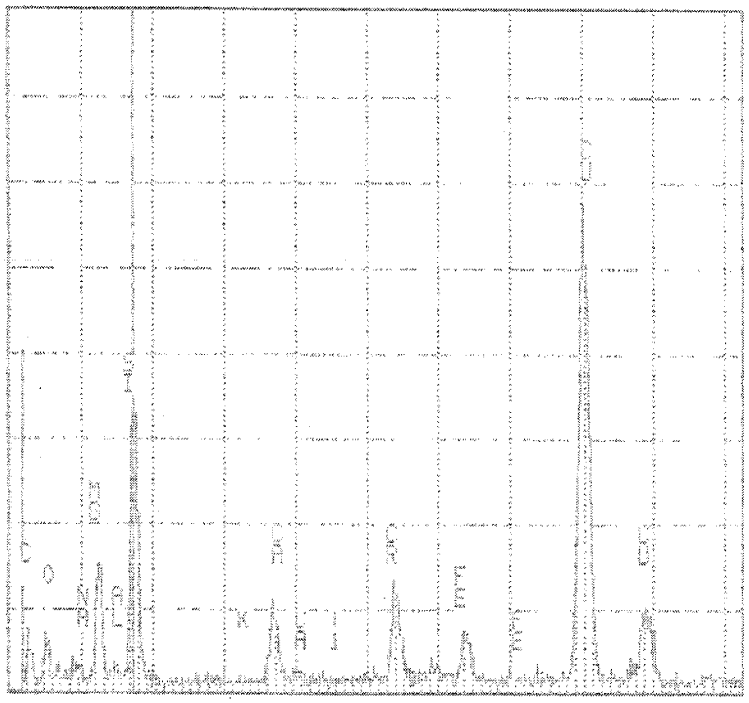


0.000 B- 5 VFS = 256 10.240

76 041191-02 SP 637

*X 'SW\WQMTF'

SQMTF: QUANTIFY
Standardless Analysis

Refit _ALK' _ALK" _K K' _K K" _NAK' _NAK"
Refit _SIK' _K K _CAK' _CAK" _FEK" _NAK
Chi-sqd = 1.17

Element	Net Counts	
Si-K	1390 +/-	58
Mg-K	492 +/-	46
Al-K	56 +/-	27
K -K	0 +/-	0
Ca-K	436 +/-	29
Fe-K	344 +/-	32
Na-K	0 +/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-02 SP 637

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	1390	1.000	1.000	21.01	26.98	57.82	SIO2
MG-K	492	1.000	0.354	8.69	9.56	15.94	MGO
AL-K	56	0.750	0.031	0.67	0.83	1.56	AL2O3
K-K	0	1.060	0.000	0.01	0.01	0.01	K2O
CA-K	436	0.949	0.299	4.39	8.06	11.28	CAO
FE-K	344	1.399	0.347	3.64	9.36	13.37	FE2O3
NA-K	0	0.549	0.000	0.01	0.01	0.01	NA2O3
O			1.675	61.58	45.19		

1.30

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.82	Si+4	7.9835	7.9835							
Al2O3	1.56	Al+3	0.2538	0.0165	0.2374						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	13.37	Fe+3	0.4028			0.4028	0.0000				
MgO	15.94	Mg+2	3.2812			3.2812	0.0000				
MnO	0	Fe+2	1.0960			1.0786	0.0174				
CaO	11.28	Mn+2	0.0000			0.0000	0.0000				
Na2O	0.01	Ca+2	1.6686					1.6686	0.0000		
K2O	0.01	Na+	0.0027					0.0027	0.0000	0.0000	0.0000
		K+	0.0018							0.0018	0.0000
Total	99.99		Excess	T site	0.2374	C site	0.0174	B site	0	A site	0
			Total	8		5.0000		1.6713		0.0018	0.0000
			%Fill	100		100		83.5628			

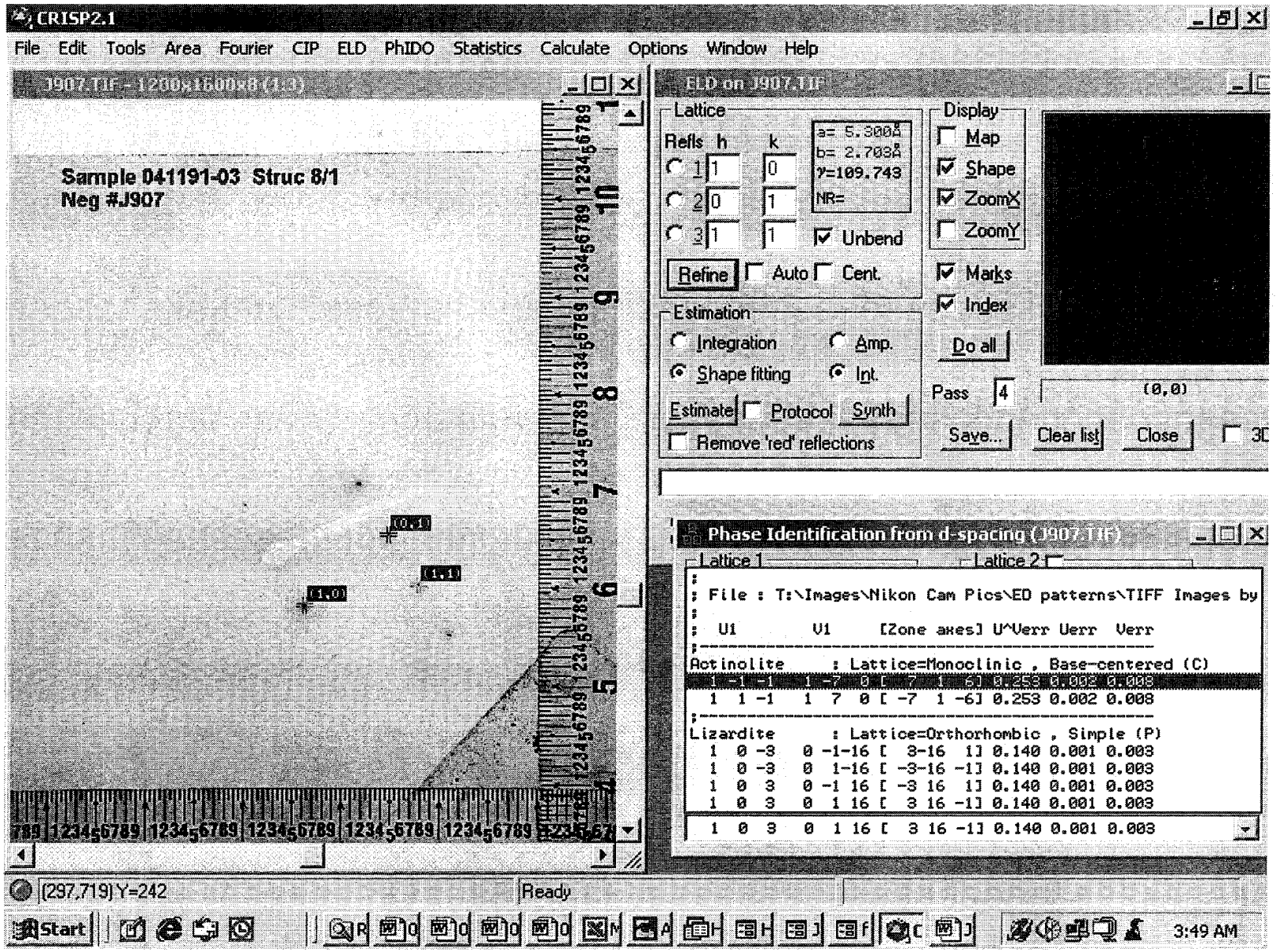
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-02-637

Values		Satisfied Conditions
(Ca,Na)@B	1.67	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.67	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.75	(Mg/(Mg+Fe2))< 0.9
Si	7.98	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[7 1 6]



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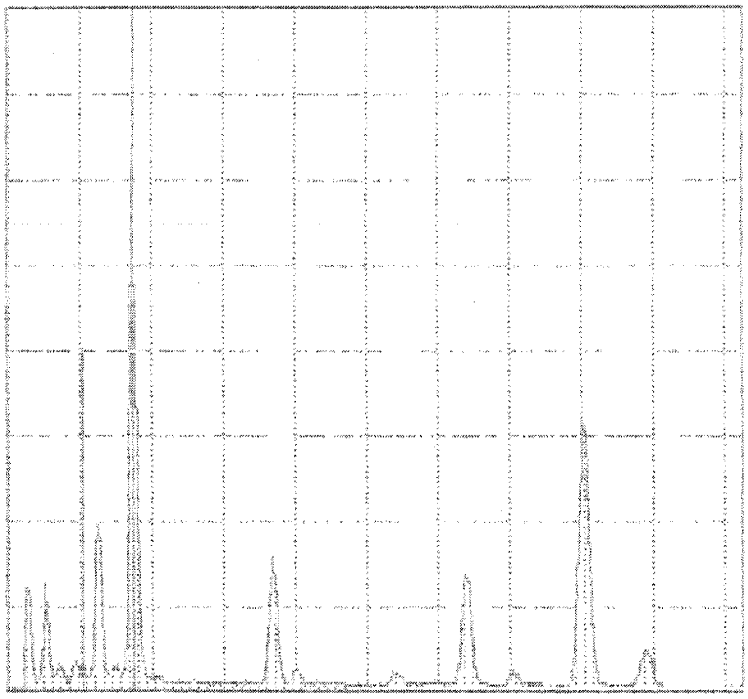


0.000 NH-11 VFS = 1024 10 240

42 041191-03 SP 639

*X 'D\DSQMTF'
TN FLEXTRAN [13-B]

SQMTF -3B/80

SQMTF: QUANTIFY
Standardless Analysis

Refit _NAK' _NAK"
Refit _ALK' _K K" _CAK" _NAK
Chi-sqd = 2.57

Element	Net Counts		
Si-K	8878	+/-	150
Mg-K	2693	+/-	110
Al-K	365	+/-	185
K -K	32	+/-	26
Ca-K	2951	+/-	65
Fe-K	3017	+/-	111
Na-K	0	+/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K

FUS:NAK

041191-03 SP 639

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	8878	1.000	1.000	20.71	26.09	55.90	SIO2
MG-K	2693	1.000	0.303	7.33	7.91	13.19	MGO
AL-K	365	0.750	0.031	0.66	0.81	1.52	AL2O3
K-K	32	1.060	0.004	0.06	0.10	0.12	K2O
CA-K	2951	0.949	0.316	4.58	8.24	11.54	CAO
FE-K	3017	1.399	0.476	4.93	12.41	17.73	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	55.9	Si+4	7.9168	7.9168							
Al2O3	1.52	Al+3	0.2537	0.0832	**0.1705**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	17.73	Fe+3	0.3590			0.3590	0.0000				
MgO	13.19	Mg+2	2.7849			2.7849	**0.0000**				
MnO	0	Fe+2	1.7007			1.6856	**0.0151**				
CaO	11.54	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7509					1.7509	0.0000		
K2O	0.12	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0217							0.0217	0.0000
Total	100		Excess	T site	**0.1705**	C site	**0.0151**	B site	**0**	A site	**0**
			Total	8		5.0000		1.7509		0.0217	0.0000
			%Fill	100		100		87.5459			

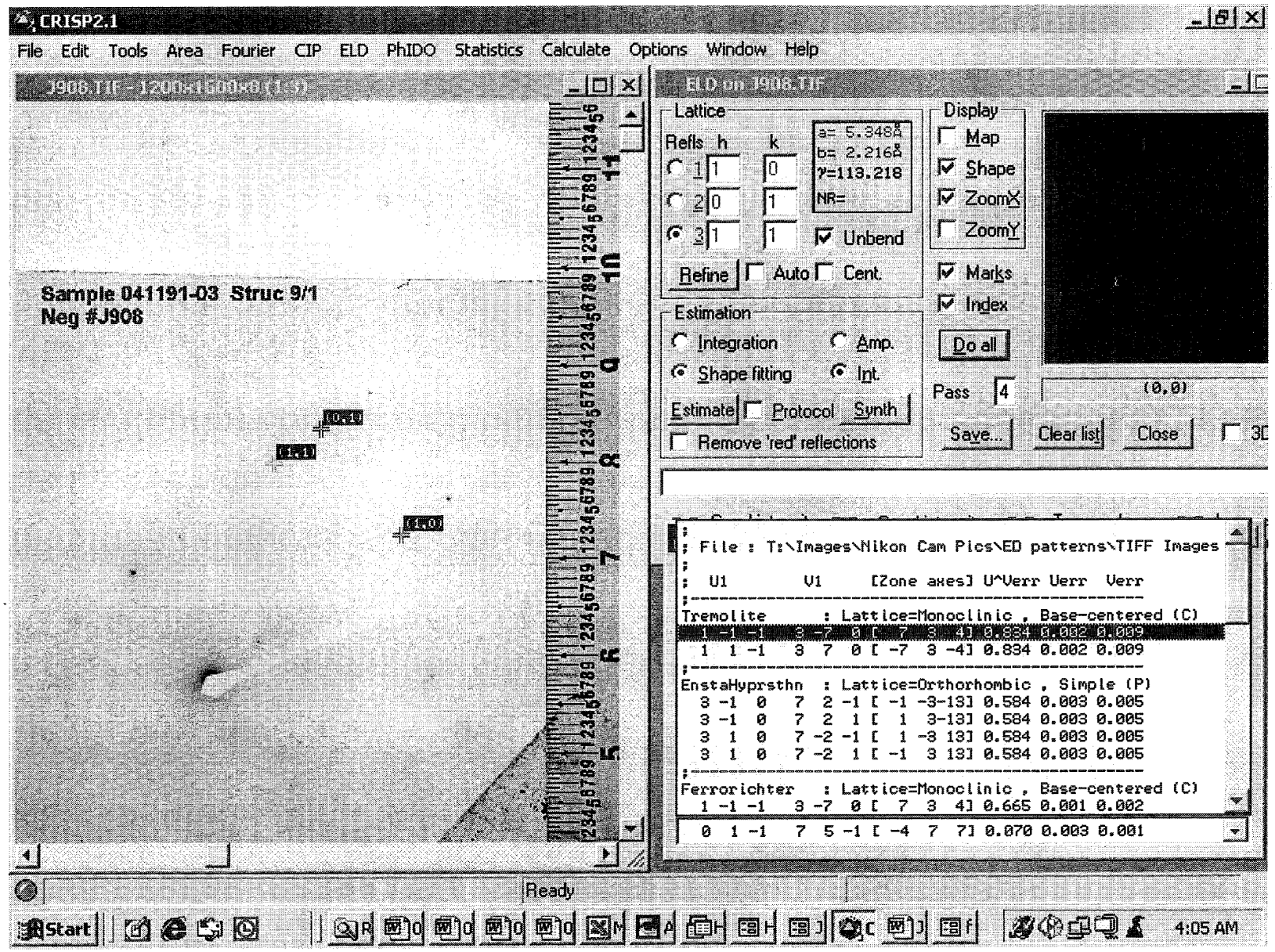
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-03-639

Values		Satisfied Conditions
(Ca,Na)@B	1.75	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.75	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.02	Si > 7.5
Mg/(Mg+Fe2)	0.62	(Mg/(Mg+Fe2))< 0.9
Si	7.92	

Mineral Analysis Program (Version 5.0)

TREMOLITE
[7 3 4]



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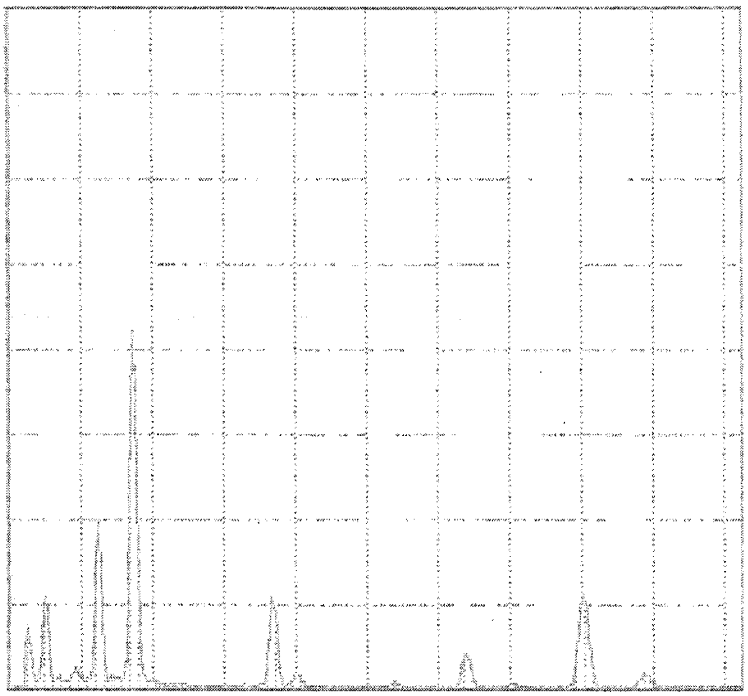


0.000 VFs = 2048 10.240

0 041191-03 SP 640

SQMTF: QUANTIFY
Standardless Analysis

Refit _K K' _K K" _NAK' _NAK"
Refit _ALK' _NAK
Chi-sqd = 3.36

Element	Net Counts		
Si-K	12603	+/-	172
Mg-K	5440	+/-	139
Al-K	529	+/-	229
K -K	30	+/-	27
Ca-K	3957	+/-	121
Fe-K	1753	+/-	91
Na-K	0	+/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-03 SP 640

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	12603	1.000	1.000	21.04	27.62	59.18	SIO2
MG-K	5440	1.000	0.432	18.60	11.92	19.87	MGO
AL-K	529	0.750	0.032	0.69	0.87	1.64	AL2O3
K-K	30	1.060	0.003	0.04	0.07	0.08	K2O
CA-K	3957	0.749	0.248	4.39	8.24	11.53	CAO
FE-K	1753	1.399	0.195	2.05	5.38	7.68	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.662	61.19	45.90		

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	59.18	Si+4	7.9688	7.9688							
Al2O3	1.64	Al+3	0.2603	0.0312	**0.2291**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	7.68	Fe+3	0.3813			0.3813	0.0000				
MgO	19.87	Mg+2	3.9888			3.9888	**0.0000**				
MnO	0	Fe+2	0.4410			0.4008	**0.0402**				
CaO	11.53	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.6633					1.6633	0.0000		
K2O	0.08	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0137							0.0137	0.0000
Total	**99.98**		**Excess**	T site	**0.2291**	C site	**0.0402**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.6633**		**0.0137**	**0.0000**
			%Fill	**100**		**100**		**83.1652**			

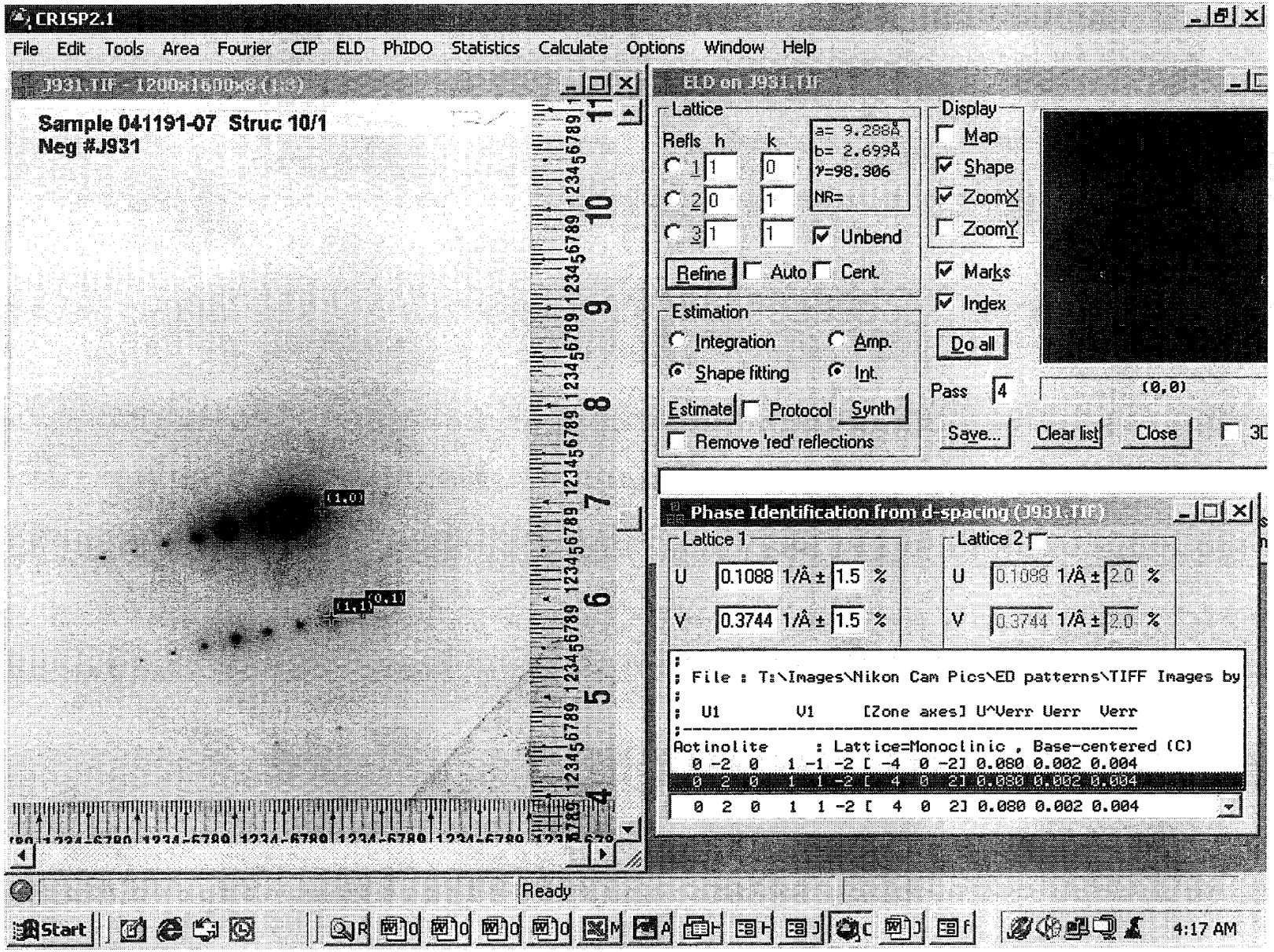
Prefix none
Name tremolite
Modifier none
Group Calcic Amphibole

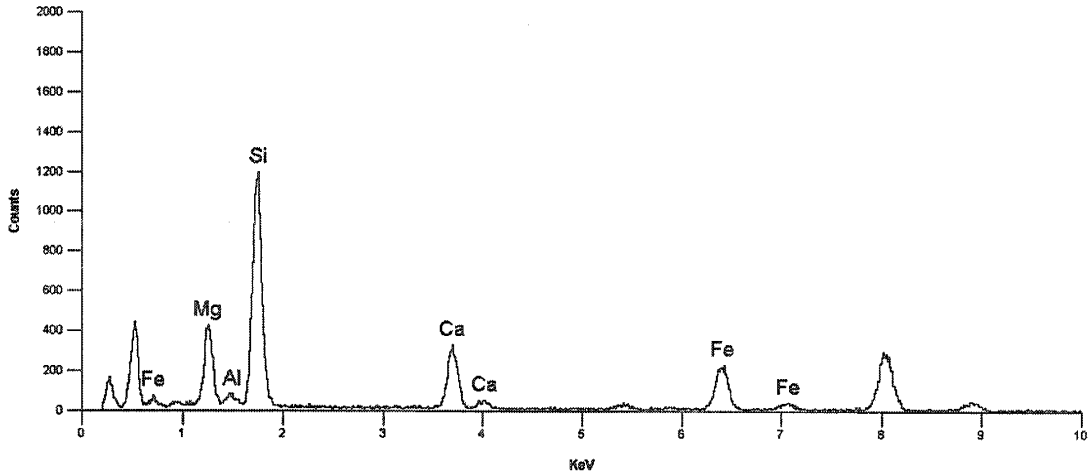
Sample # **041191-03-640**

Values		Satisfied Conditions
(Ca,Na)@B	1.66	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.66	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.01	Si > 7.5
Mg/(Mg+Fe2)	0.90	(Mg/(Mg+Fe2))>= 0.9
Si	7.97	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[2 0 1]





Quantitative Analysis Results - Standardless Analysis :
Spectrum1 041191-07 SP675 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 1648.56
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	5.28	MgO	9.67	0.60	9.67
Al	1.25	Al2O3	2.89	0.68	2.89
Si	21.98	SiO2	59.95	1.41	59.95
Ca	5.75	CaO	14.64	0.67	14.64
Fe	3.55	Fe2O3	12.86	0.79	12.86
<Total>	100.00		100.00		100.00

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	59.95	Si+4	8.0000	8.0000							
Al2O3	2.89	Al+3	0.5089	0.0000	**0.5089**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	12.86	Fe+3	0.0368			0.0368	0.0000				
MgO	9.67	Mg+2	2.0915			2.0915	**0.0000**				
MnO	0	Fe+2	1.5280			1.5280	**0.0000**				
CaO	14.64	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	2.2411					2.0000	0.2411		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	100.01		Excess	T site	**0.5089**	C site	**0.0000**	B site	**0.2411275**	A site	**0**
			Total	8		4.1651		2.0000		0.0000	0.0000
			%Fill	100		83.3028		100			

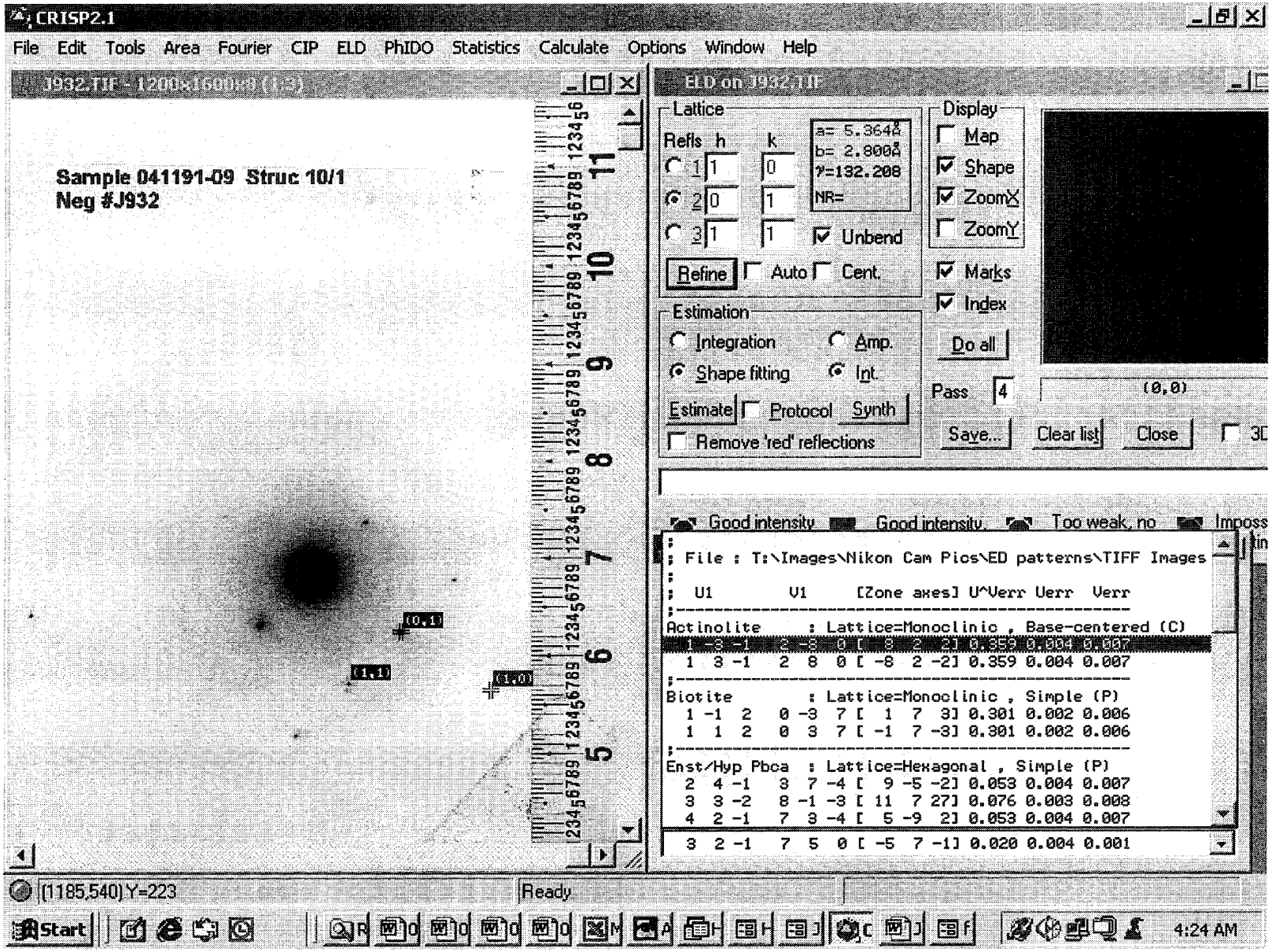
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

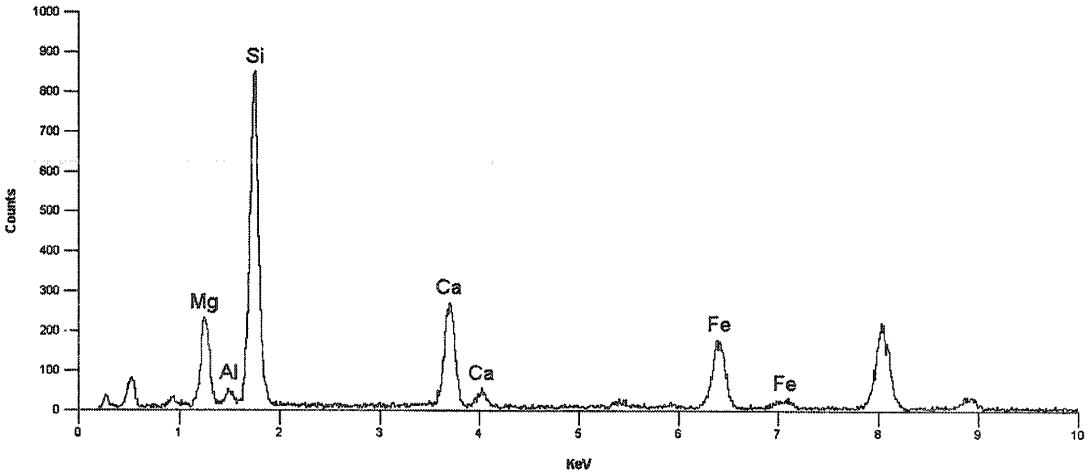
Sample # 041191-07-675

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.58	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[411]





Quantitative Analysis Results - Standardless Analysis :
Spectrum2 041191-09 SP676 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 1388.80
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	6.15	MgO	11.02	0.85	11.02
Al	0.51	Al2O3	1.16	0.23	1.16
Si	20.67	SiO2	55.18	1.47	55.18
Ca	5.78	CaO	14.41	0.68	14.41
Fe	5.14	Fe2O3	18.22	1.23	18.22
<Total>	100.00		100.00		100.00

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	55.18	Si+4	7.9537	7.9537							
Al2O3	1.16	Al+3	0.1970	0.0463	**0.1508**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	18.22	Fe+3	0.0198			0.0198	0.0000				
MgO	11.02	Mg+2	2.3681			2.3681	**0.0000**				
MnO	0	Fe+2	2.1741			2.1741	**0.0000**				
CaO	14.41	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	2.2252					2.0000	0.2252		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	99.99		Excess	T site	**0.1508**	C site	**0.0000**	B site	**0.2252243**	A site	**0**
			Total	8		4.7127		2.0000		0.0000	0.0000
			%Fill	100		94.2533		100			

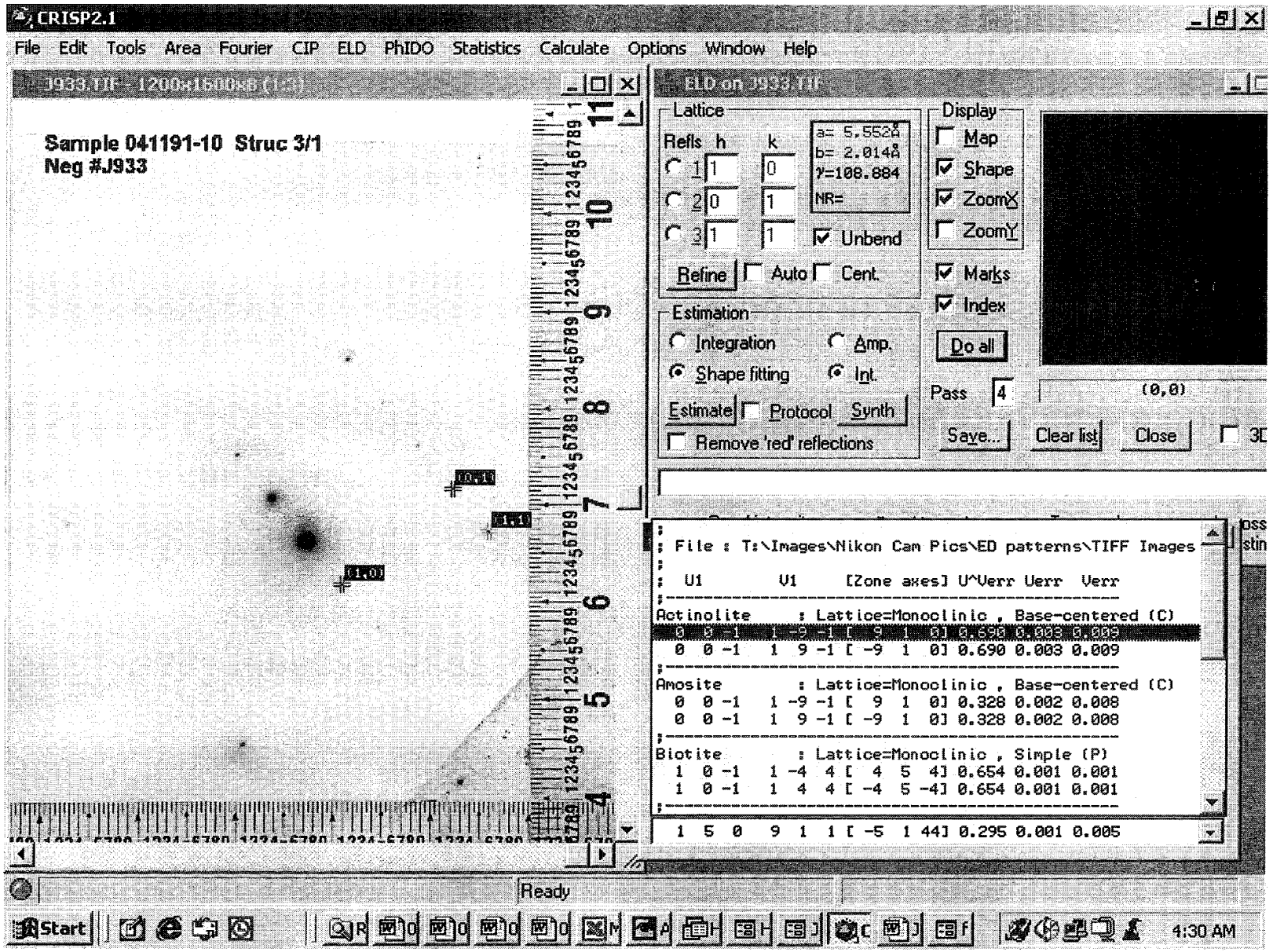
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

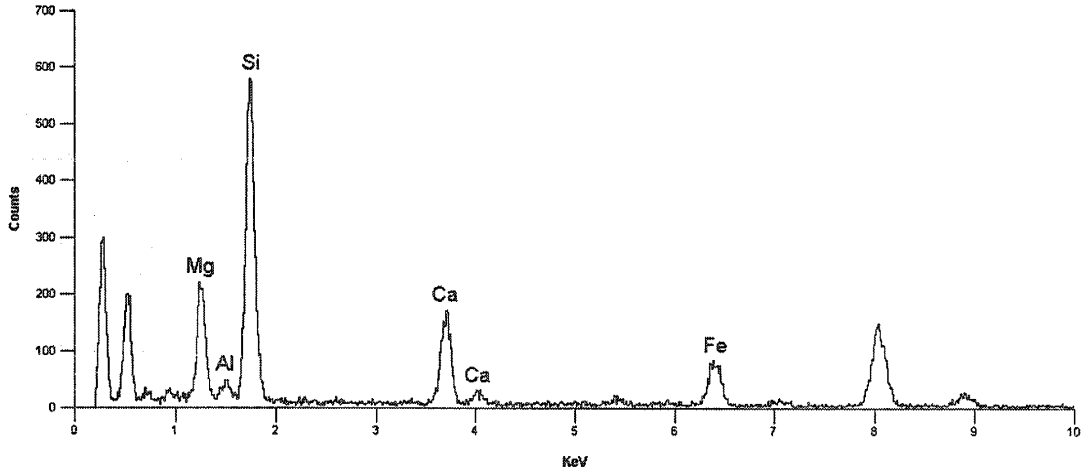
Sample # 041191-09-676

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.52	(Mg/(Mg+Fe2))< 0.9
Si	7.95	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[910]





Quantitative Analysis Results - Standardless Analysis :
Spectrum3 041191-10 SP678 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 1790.96
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	8.12	MgO	14.98	1.24	14.98
Al	0.89	Al2O3	2.08	0.34	2.08
Si	21.05	SiO2	57.89	1.86	57.89
Ca	5.02	CaO	12.88	0.78	12.88
Fe	3.33	Fe2O3	12.17	1.24	12.17
<Total>	100.00		100.00		100.00

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.89	Si+4	8.0000	8.0000							
Al2O3	2.08	Al+3	0.3436	0.0000	**0.3436**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	12.17	Fe+3	0.0150			0.0150	0.0000				
MgO	14.98	Mg+2	3.1071			3.1071	**0.0000**				
MnO	0	Fe+2	1.4027			1.4027	**0.0000**				
CaO	12.88	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.9207					1.9207	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	100		Excess	T site	**0.3436**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	8		4.8684		1.9207		0.0000	0.0000
			%Fill	100		97.3687		96.0362			

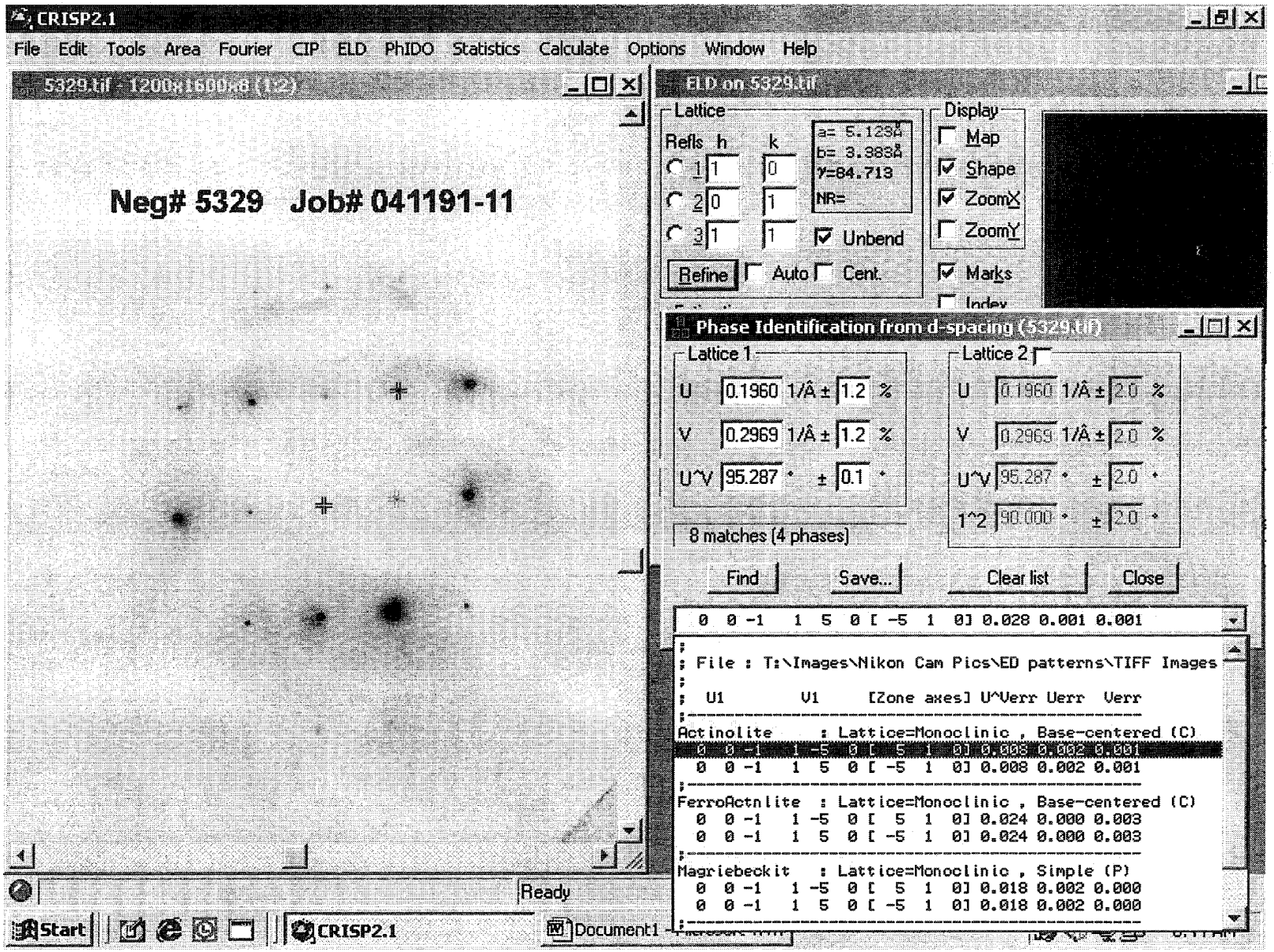
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-10-678

Values		Satisfied Conditions
(Ca,Na)@B	1.92	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.92	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.69	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[510]



INTE-% :
LABEL = 041191-11 15239
02-JAN-73 07:06:12
61.128 LIVE SECONDS

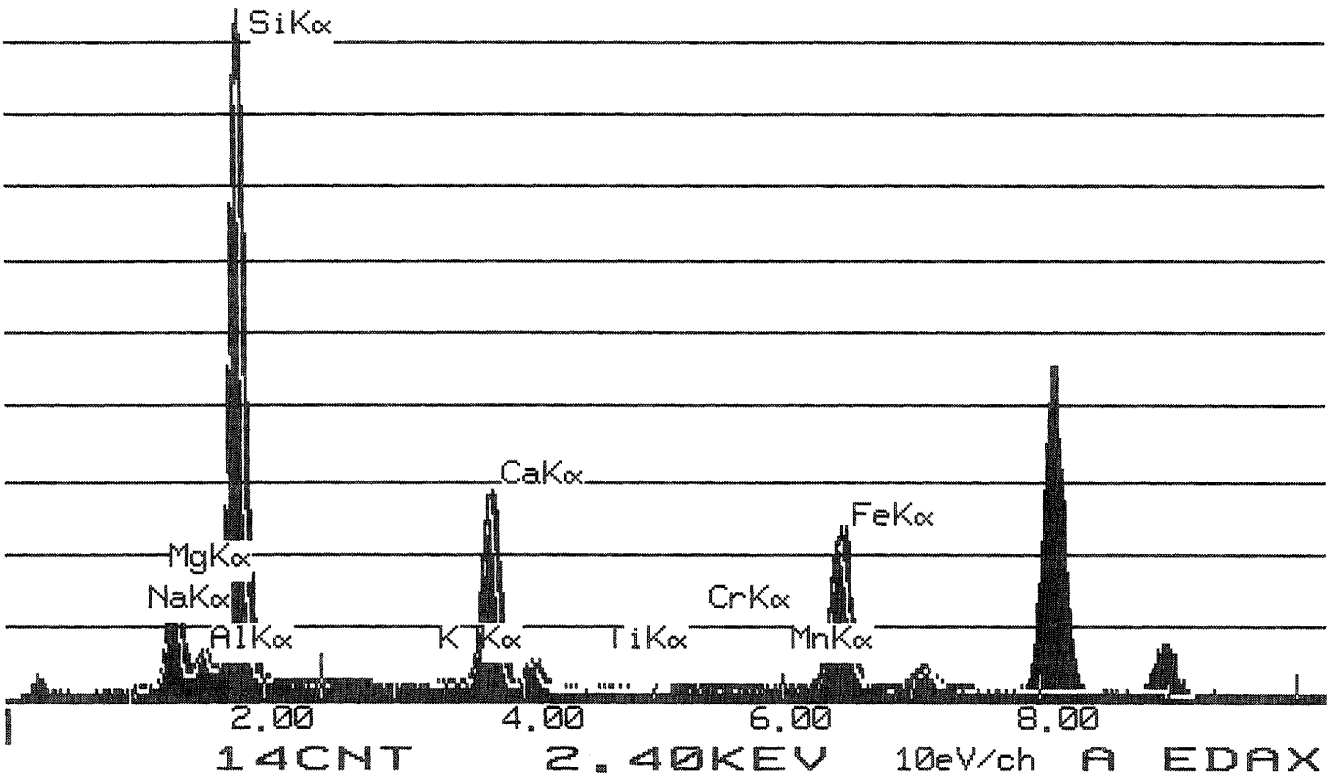
By MANUAL

ACMANCHITE

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	40.619	8.545	14.169
ALK	10.568	1.336	2.523
SIK	224.315	26.541	56.782
CAK	73.894	8.336	11.664
FEK	69.362	10.395	14.862
TOTAL			100.000

USED PEIF: USER

01-JAN-05 07:06:30 SUPER QUANT
RATE= 1154CPS TIME= 61LSEC
FS= 1537/ 1537 PRST= 200LSEC
A =041191-11 15239



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.782	Si+4	7.9347	7.9347							
Al2O3	2.523	Al+3	0.4155	0.0653	**0.3502**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	14.862	Fe+3	0.1875			0.1875	0.0000				
MgO	14.169	Mg+2	2.9518			2.9518	**0.0000**				
MnO	0	Fe+2	1.5282			1.5106	**0.0177**				
CaO	11.664	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7462					1.7462	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**100**		**Excess**	T site	**0.3502**	C site	**0.0177**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.7462**		**0.0000**	**0.0000**
			%Fill	**100**		**100**		**87.3087**			

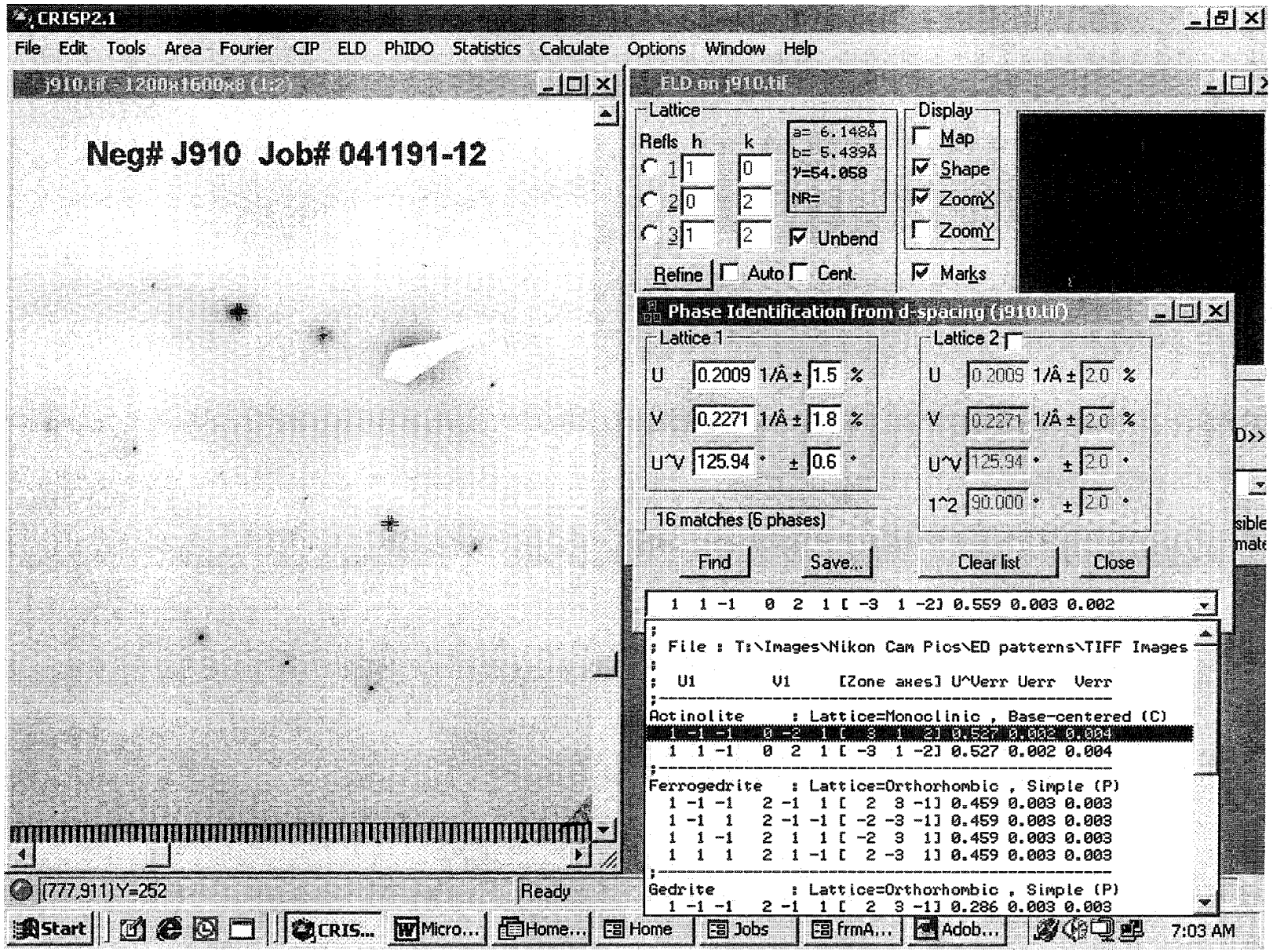
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-11-50-55**

Values		Satisfied Conditions
(Ca,Na)@B	1.75	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.75	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.66	(Mg/(Mg+Fe2))< 0.9
Si	7.93	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 1 2]



TN-5500 University of Washington / JEOL FRI 22-OCT-04 01:48
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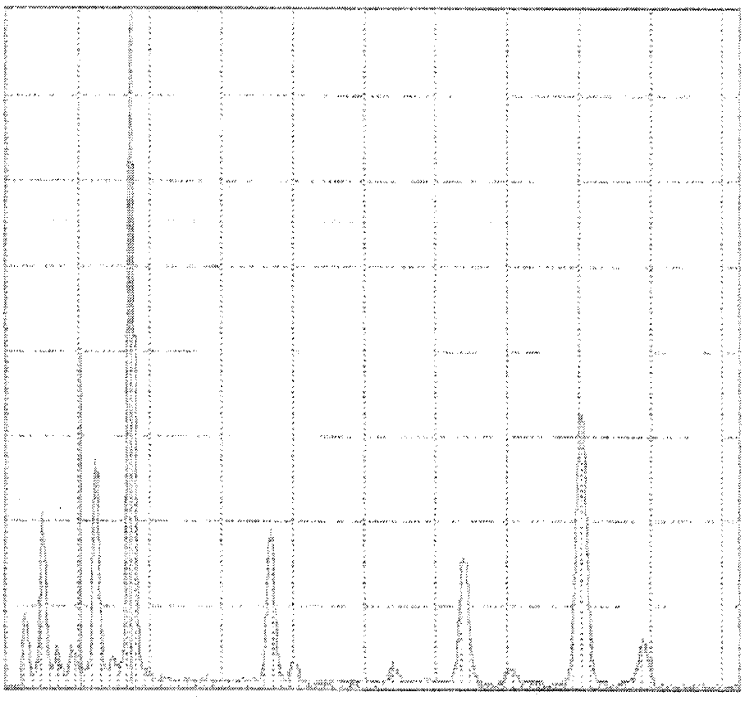


0.000 MA-11 VFS = 1024 10.240
32 041191-12 SP 642

*X 'SQ,TF\P\T\,MTF'

SQMTF: QUANTIFY
Standardless Analysis

Refit _K K' _K K" _NAK' _NAK"
Refit _MGK' _ALK' _ALK" _NAK
Chi-sqd = 3.48

Element	Net Counts
Si-K	11331 +/- 151
Mg-K	3594 +/- 113
Al-K	349 +/- 62
K -K	39 +/- 27
Ca-K	3479 +/- 117
Fe-K	3444 +/- 116
Na-K	0 +/- 0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-12 SP 642

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	11331	1.000	1.000	21.08	26.77	57.36	SIO2
MG-K	3594	1.000	0.317	7.80	9.42	14.15	MGO
AL-K	349	0.750	0.023	0.51	0.62	1.17	AL2O3
K-K	39	1.060	0.004	0.06	0.10	0.12	K2O
CA-K	3479	0.949	0.292	4.30	7.91	10.93	CAO
FE-K	3444	1.399	0.426	4.49	11.39	16.27	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O
O			1.675	61.77	44.83		

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.35	Si+4	8.0000	8.0000							
Al2O3	1.17	Al+3	0.1949	0.0000	**0.1949**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	16.27	Fe+3	0.4294			0.4294	0.0000				
MgO	14.15	Mg+2	2.9558			2.9558	**0.0000**				
MnO	0	Fe+2	1.4301			1.4199	**0.0102**				
CaO	10.93	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.6416					1.6416	0.0000		
K2O	0.12	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0237							0.0237	0.0000
Total	99.99		Excess	T site	**0.1949**	C site	**0.0102**	B site	**0**	A site	**0**
			Total	8		5.0000		1.6416		0.0237	0.0000
			%Fill	100		100		82.0782			

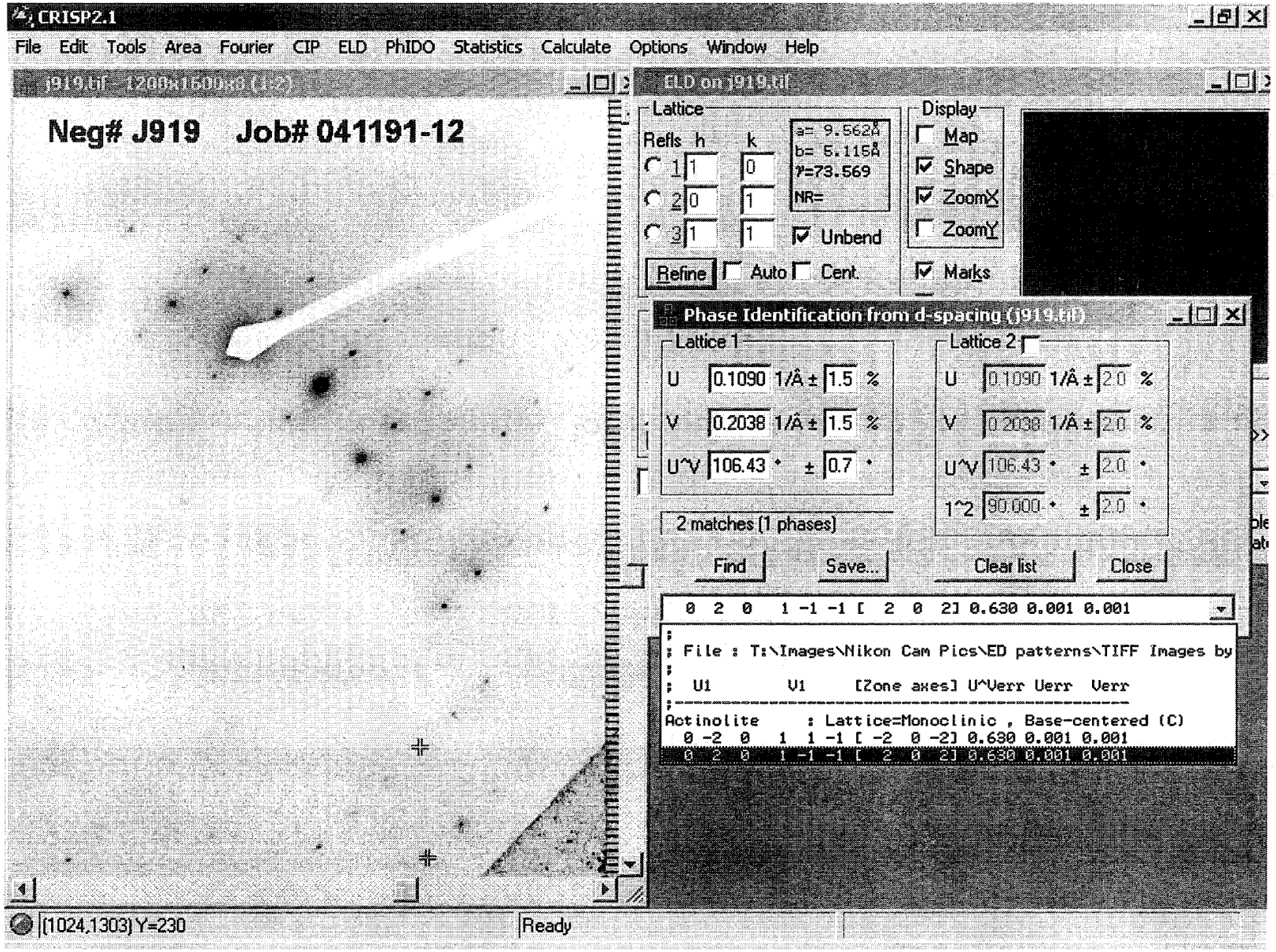
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # 041191-12-642

Values		Satisfied Conditions
(Ca,Na)@B	1.64	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.64	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.02	Si > 7.5
Mg/(Mg+Fe2)	0.67	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 0 1]



*X 'SQMTF'
SQMTF -3B/80

SQMTF: QUANTIFY
Standardless Analysis

Refit _K K' _K K" _NAK' _NAK"
Refit _SIK' _MGK' _ALK' _ALK" _NAK
Chi-sqd = 2.55

Element	Net Counts		
Si-K	22003	+/-	213
Mg-K	6042	+/-	143
Al-K	855	+/-	82
K -K	76	+/-	40
Ca-K	7678	+/-	172
Fe-K	7863	+/-	168
Na-K	0	+/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-12 651

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	22003	1.000	1.000	20.79	26.05	55.82	SIO2
MG-K	6042	1.000	0.275	6.66	7.15	11.92	MGO
AL-K	855	0.750	0.029	0.63	0.76	1.44	AL2O3
K-K	76	1.060	0.004	0.06	0.10	0.12	K2O
CA-K	7678	0.949	0.332	4.82	8.64	12.09	CAO
FE-K	7863	1.399	0.500	5.20	13.03	18.62	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.700	61.84	44.27		

TN-5500 University of Washington / JHN FRI 22-OCT-04 10:42
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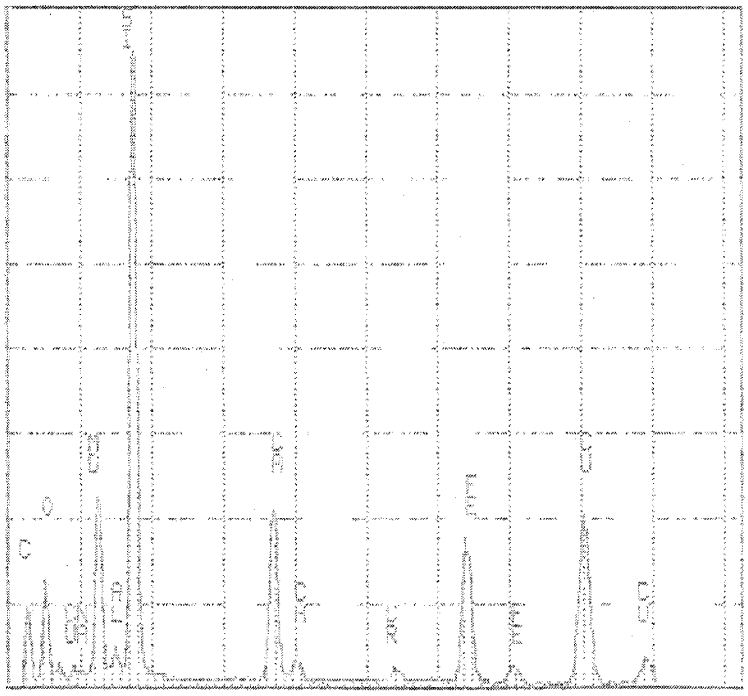


	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	55.82	Si+4	7.9883	7.9883							
Al2O3	1.44	Al+3	0.2429	0.0117	0.2311						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	18.62	Fe+3	0.0602			0.0602	0.0000				
MgO	11.92	Mg+2	2.5431			2.5431	0.0000				
MnO	0	Fe+2	2.1613			2.1613	0.0000				
CaO	12.09	Mn+2	0.0000			0.0000	0.0000				
Na2O	0	Ca+2	1.8536					1.8536	0.0000		
K2O	0.12	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0219							0.0219	0.0000
Total	100.01		Excess	T site	0.2311	C site	0.0000	B site	0	A site	0
			Total	8		4.9957		1.8536		0.0219	0.0000
			%Fill	100		99.9139		92.6789			

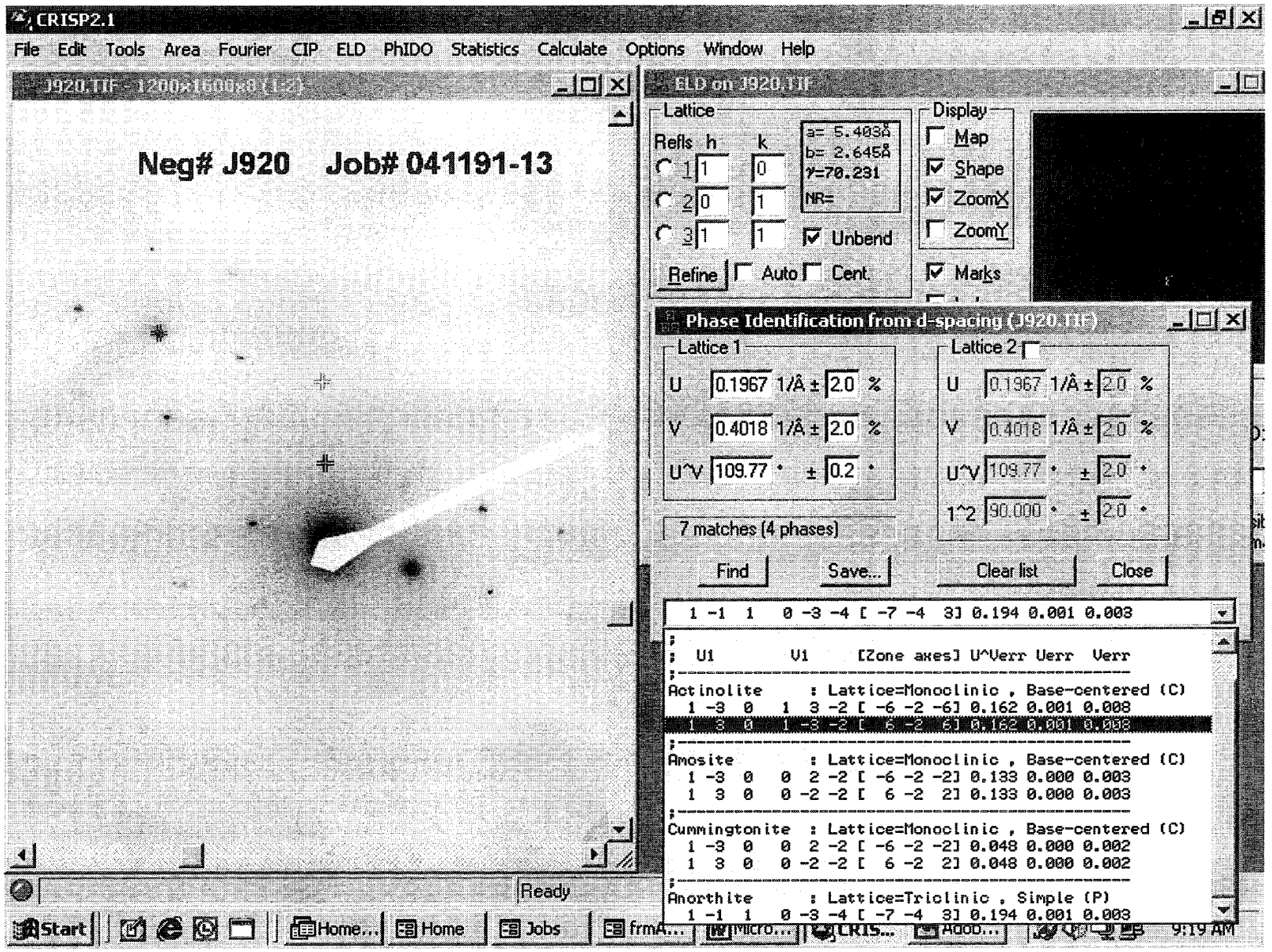
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-12-651

Values		Satisfied Conditions
(Ca,Na)@B	1.85	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.85	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.02	Si > 7.5
Mg/(Mg+Fe2)	0.54	(Mg/(Mg+Fe2))< 0.9
Si	7.99	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 -1 3]



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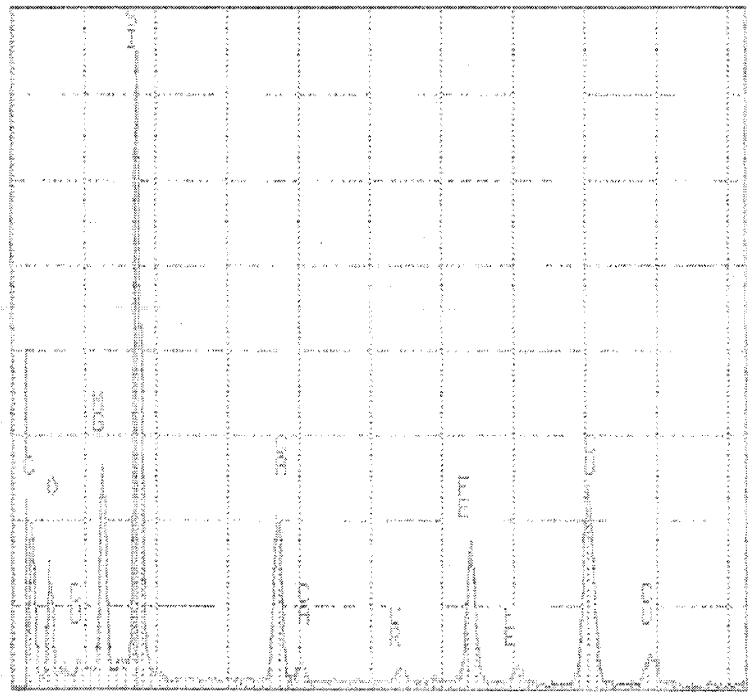


0.000 8- 5 VFS = 1024 10.240

52 041191-13 SP 652

SQMTF: QUANTIFY
*X SQMTF
Standardless Analysis

Refit _ALK' _ALK" _K K' _K K" _NAK' _NAK"
Refit _NAK
Chi-sqd = 1.83

Element	Net Counts	
Si-K	11319 +/-	155
Mg-K	3232 +/-	112
Al-K	167 +/-	67
K -K	83 +/-	30
Ca-K	3918 +/-	123
Fe-K	3438 +/-	119
Na-K	0 +/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-13 SP 652

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	11319	1.000	1.000	21.30	26.90	57.65	SIO2
MG-K	3232	1.000	0.286	7.10	7.68	12.81	MGO
AL-K	167	0.750	0.011	0.24	0.30	0.56	AL2O3
K-K	83	1.060	0.008	0.12	0.21	0.25	K2O
CA-K	3918	0.749	0.329	4.90	8.85	12.39	CAO
FE-K	3438	1.399	0.425	4.53	11.44	16.35	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.659	61.81	44.62		

1,30
*
0,0
*
*X 'SQMTF'

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.65	Si+4	8.0000	8.0000							
Al2O3	0.56	Al+3	0.1089	0.0000	**0.1089**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	16.35	Fe+3	0.0273			0.0273	0.0000				
MgO	12.81	Mg+2	2.7415			2.7415	**0.0000**				
MnO	0	Fe+2	1.9372			1.9372	**0.0000**				
CaO	12.39	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.9064					1.9064	0.0000		
K2O	0.25	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0619							0.0619	0.0000
Total	**100.01**		**Excess**	T site	**0.1089**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.8149**		**1.9064**		**0.0619**	**0.0000**
			%Fill	**100**		**96.2983**		**95.3219**			

Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-13-652**

Values		Satisfied Conditions
(Ca,Na)@B	1.91	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.91	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.06	Si > 7.5
Mg/(Mg+Fe2)	0.59	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

SQMTF: QUANTIFY
Standardless Analysis

Chi-sqd = 2.19

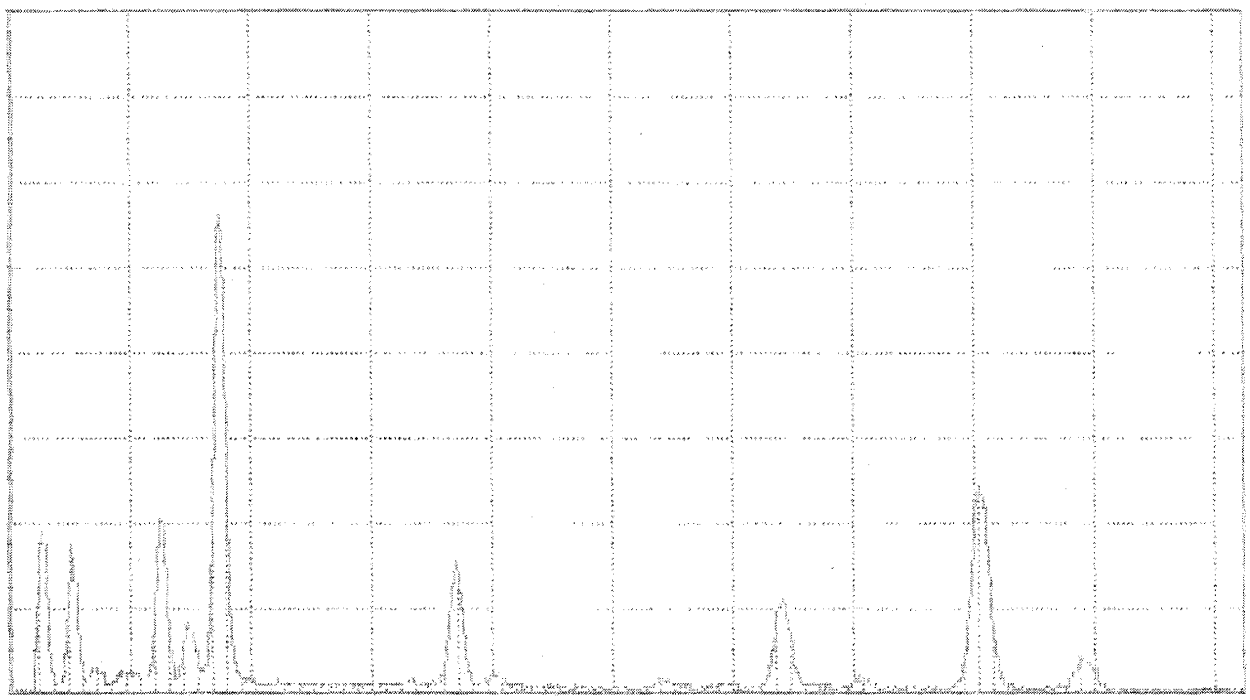
Element	Net Counts		
Si-K	8156	+/-	179
Mg-K	2594	+/-	176
Al-K	1149	+/-	219
K -K	74	+/-	59
Ca-K	2632	+/-	104
Fe-K	2357	+/-	98
Na-K	196	+/-	91

[illegible]	EDS:SIK	EDS:MGK	EDS:ALK	EDS:K K	EDS:CAK	EDS:FEK	EDS:

041191-14 SP658

		EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%
SI-K	8156	1.000	1.000	19.99	25.52	54.68	SIO2	
MG-K	2594	1.000	0.318	7.42	8.12	13.53	MGO	
AL-K	1149	0.750	0.106	2.19	2.70	5.10	AL2O3	
K-K	74	1.060	0.010	0.14	0.25	0.30	K2O	
CA-K	2632	0.949	0.307	4.29	7.82	10.95	CAO	
FE-K	2357	1.399	0.405	4.04	10.33	14.75	FE2O3	

TN-5500 University of Washington / JEOL SHT 23-OCT-04 21:02
Cursor: 0.000KeV = 0



0.000 VFS = 1024 10.240

38 041191-14 SP658

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.68	Si+4	7.6570	7.6570							
Al2O3	5.1	Al+3	0.8416	0.3430	**0.4986**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	14.75	Fe+3	0.2798			0.2798	0.0000				
MgO	13.53	Mg+2	2.8246			2.8246	**0.0000**				
MnO	0	Fe+2	1.4162			1.3971	**0.0192**				
CaO	10.95	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.69	Ca+2	1.6427					1.6427	0.0000		
K2O	0.3	Na+	0.1873					0.1873	**0.0000**	0.0000	0.0000
		K+	0.0536							0.0536	0.0000
Total	**100**		**Excess**	T site	**0.4986**	C site	**0.0192**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.8300**		**0.0536**	**0.0000**
			%Fill	**100**		**100**		**91.5021**			

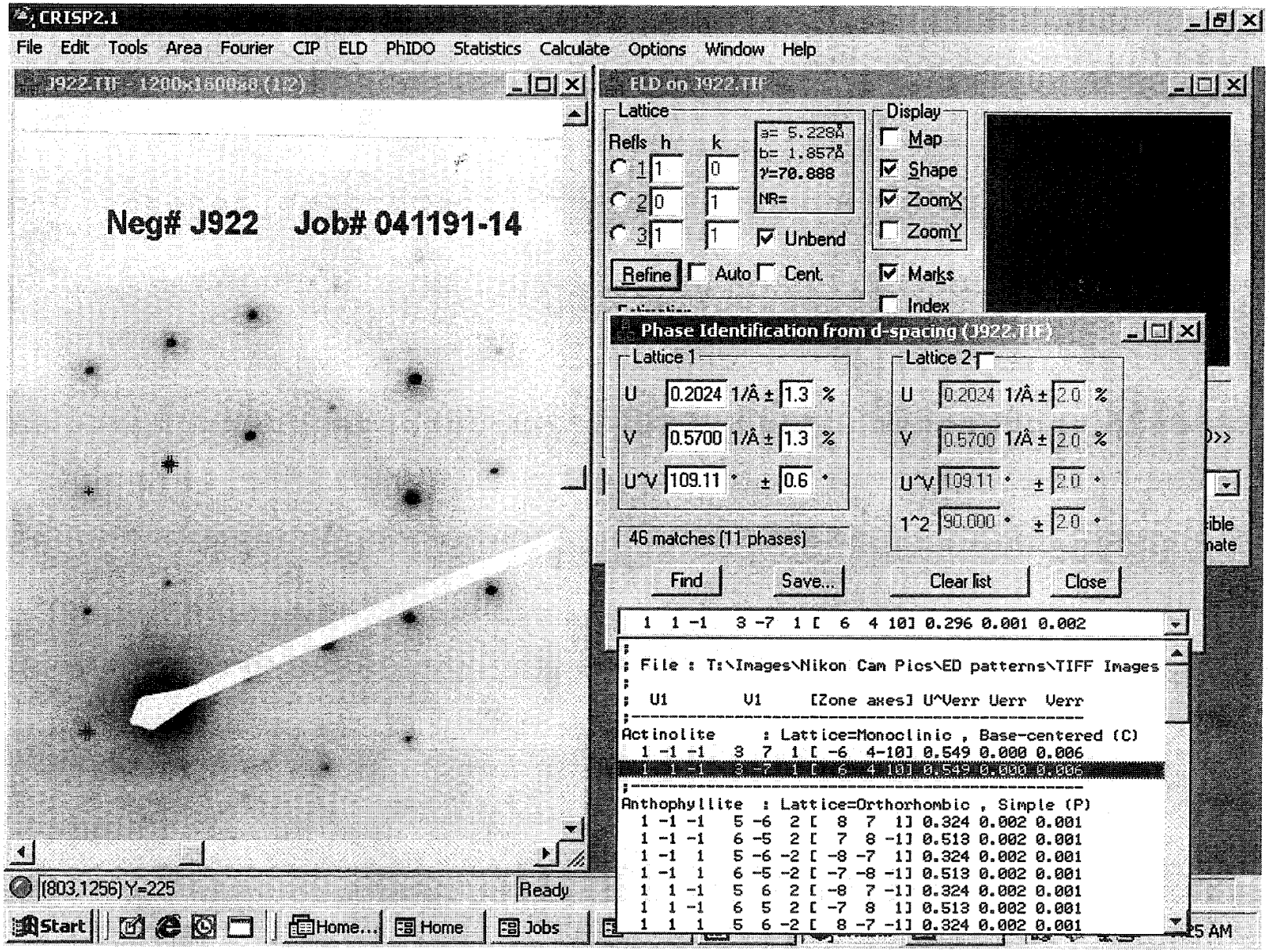
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-14-658**

Values		Satisfied Conditions
(Ca,Na)@B	1.83	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.19	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.64	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.05	Si > 7.5
Mg/(Mg+Fe2)	0.67	(Mg/(Mg+Fe2))< 0.9
Si	7.66	

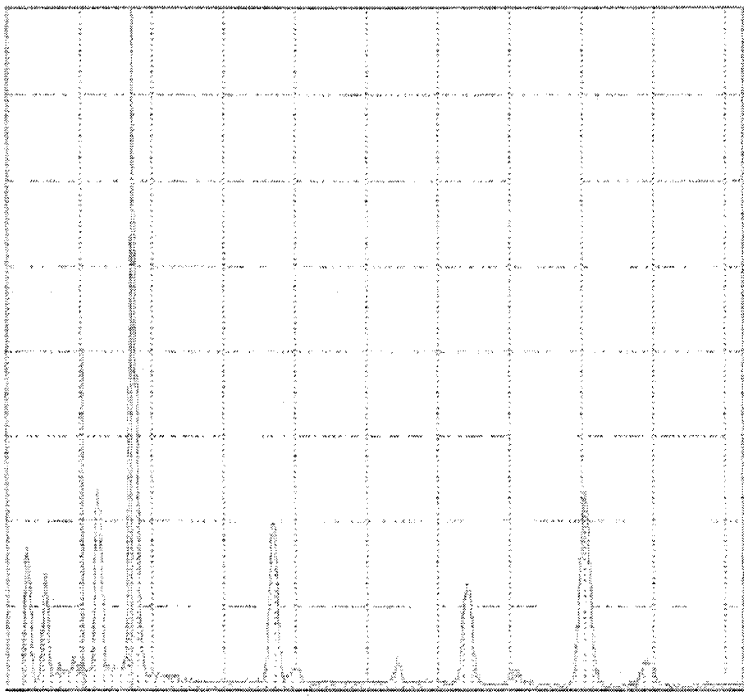
Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 2 5]



TN-5500 University of Washington / JFG FRI 23-OCT-04 10:41

Cursor: 1.730keV = 835



0.000 NA-11 VFS = 1024 10.240

94 041191-14 SP 653

*X 'SWM\M\WQMTF'
SQMTF: QUANTIFY
Standardless Analysis

Refit _ALK' _ALK" _NAK' _NAK"
Refit _ALK _K K' _CAK' _NAK
Chi-sqd = 2.09

Element	Net Counts		
Si-K	9948	+/-	139
Mg-K	3124	+/-	92
Al-K	0	+/-	0
K -K	91	+/-	62
Ca-K	3348	+/-	117
Fe-K	2770	+/-	106
Na-K	0	+/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-14 SP 653

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	FI WT%	WT%	FORMULA
SI -K	9948	1.000	1.000	21.37	27.15	58.19	SIO2
MG-K	3124	1.000	0.314	7.83	8.53	14.21	MGO
AL-K	0	0.750	0.000	0.00	0.00	0.00	AL2O3
K-K	91	1.060	0.010	0.15	0.26	0.32	K2O
CA-K	3348	0.949	0.320	4.78	8.68	12.16	CAO
FE-K	2770	1.399	0.390	4.17	10.59	15.12	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.649	61.69	44.78		

1,30
*
0,0

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	58.19	Si+4	8.0000	8.0000							
Al2O3	0	Al+3	0.0000	0.0000	**0.0000**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	15.12	Fe+3	0.0300			0.0300	0.0000				
MgO	14.21	Mg+2	3.0360			3.0360	**0.0000**				
MnO	0	Fe+2	1.7921			1.7921	**0.0000**				
CaO	12.16	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.8728					1.8728	0.0000		
K2O	0.32	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0812							0.0812	0.0000
Total	100		Excess	T site	**0.0000**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	8		4.8582		1.8728		0.0812	0.0000
			%Fill	100		97.1643		93.6378			

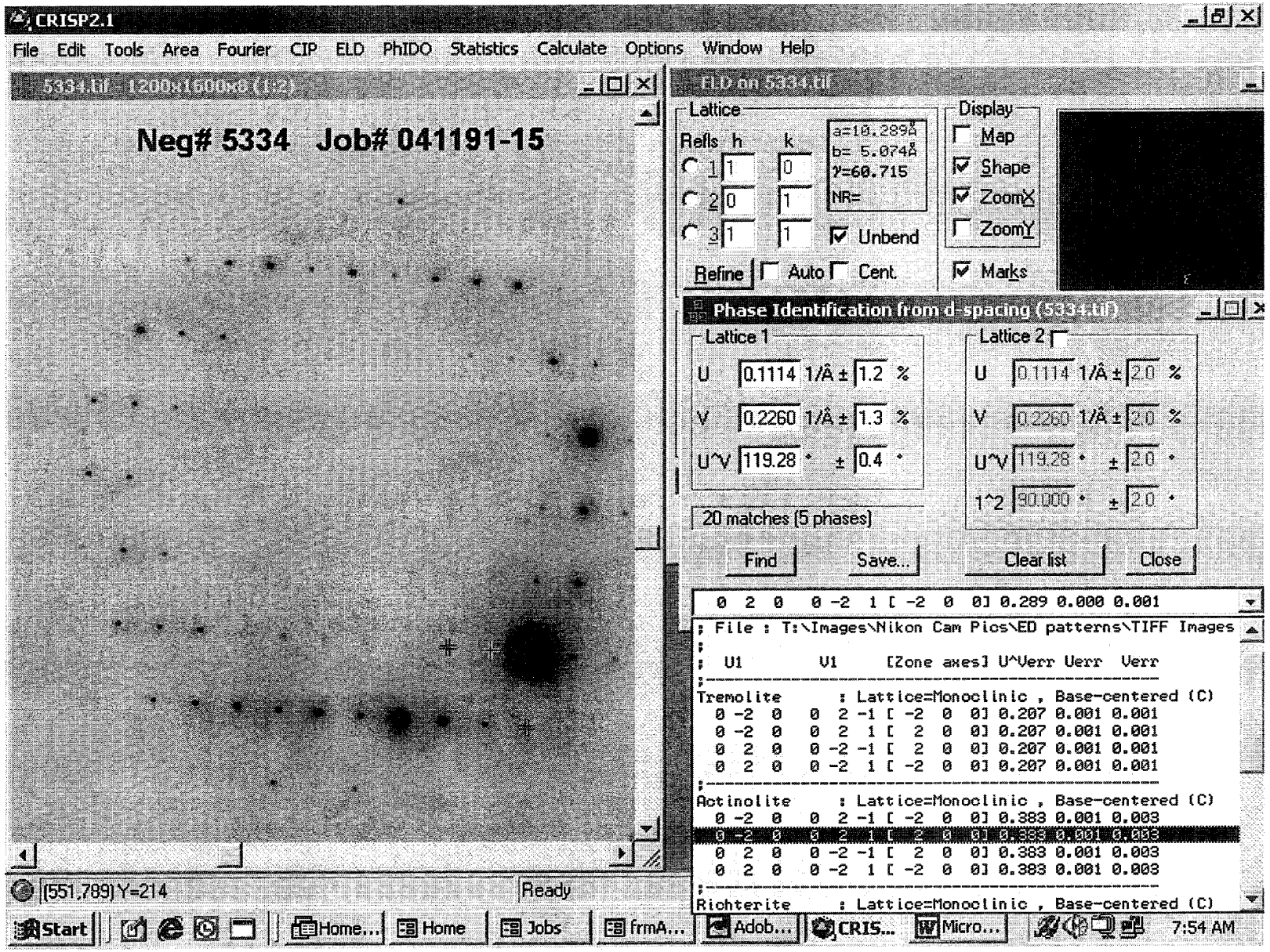
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-14-653

Values		Satisfied Conditions
(Ca,Na)@B	1.87	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.87	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.08	Si > 7.5
Mg/(Mg+Fe2)	0.63	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[100]

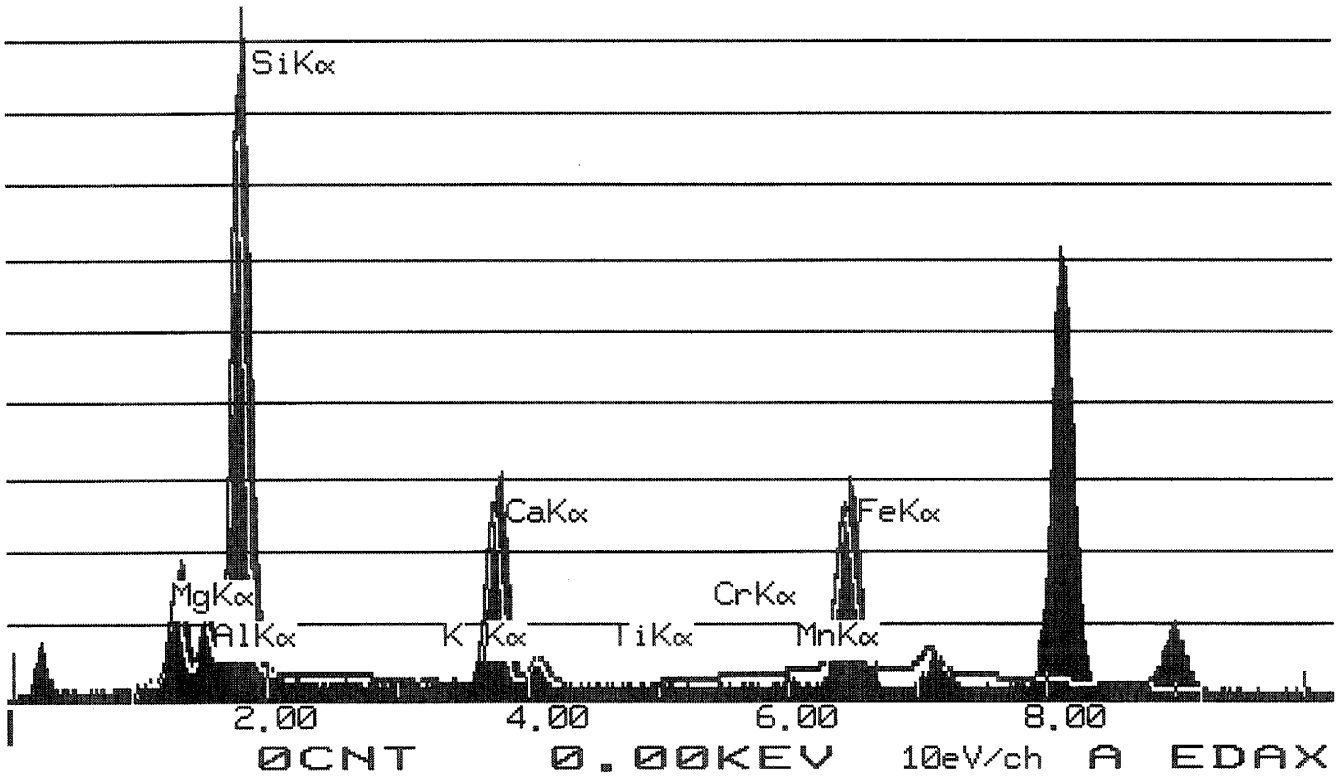


INTE-% :
LABEL = 041191-15 15242
04-DEC-72 01:00:35
29.926 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	83.438	7.261	12.039
ALK	48.653	2.543	4.805
SIK	511.289	25.023	53.533
CAK	189.365	8.836	12.363
FEK	194.745	12.072	17.259
TOTAL			100.000

USED PEIF: USER

03-DEC-04 01:01:15 SUPER QUANT
RATE= 6CPS TIME= 29LSEC
FS= 1857/ 1857 PRST= 200LSEC
A =041191-15 15242



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	53.533	Si+4	7.6197	7.6197							
Al2O3	4.805	Al+3	0.8060	0.3803	**0.4257**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	17.259	Fe+3	0.1479			0.1479	0.0000				
MgO	12.039	Mg+2	2.5547			2.5547	**0.0000**				
MnO	0	Fe+2	1.8898			1.8717	**0.0181**				
CaO	12.363	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.8852					1.8852	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**99.999**		**Excess**	T site	**0.4257**	C site	**0.0181**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.8852**		**0.0000**	**0.0000**
			%Fill	**100**		**100**		**94.2613**			

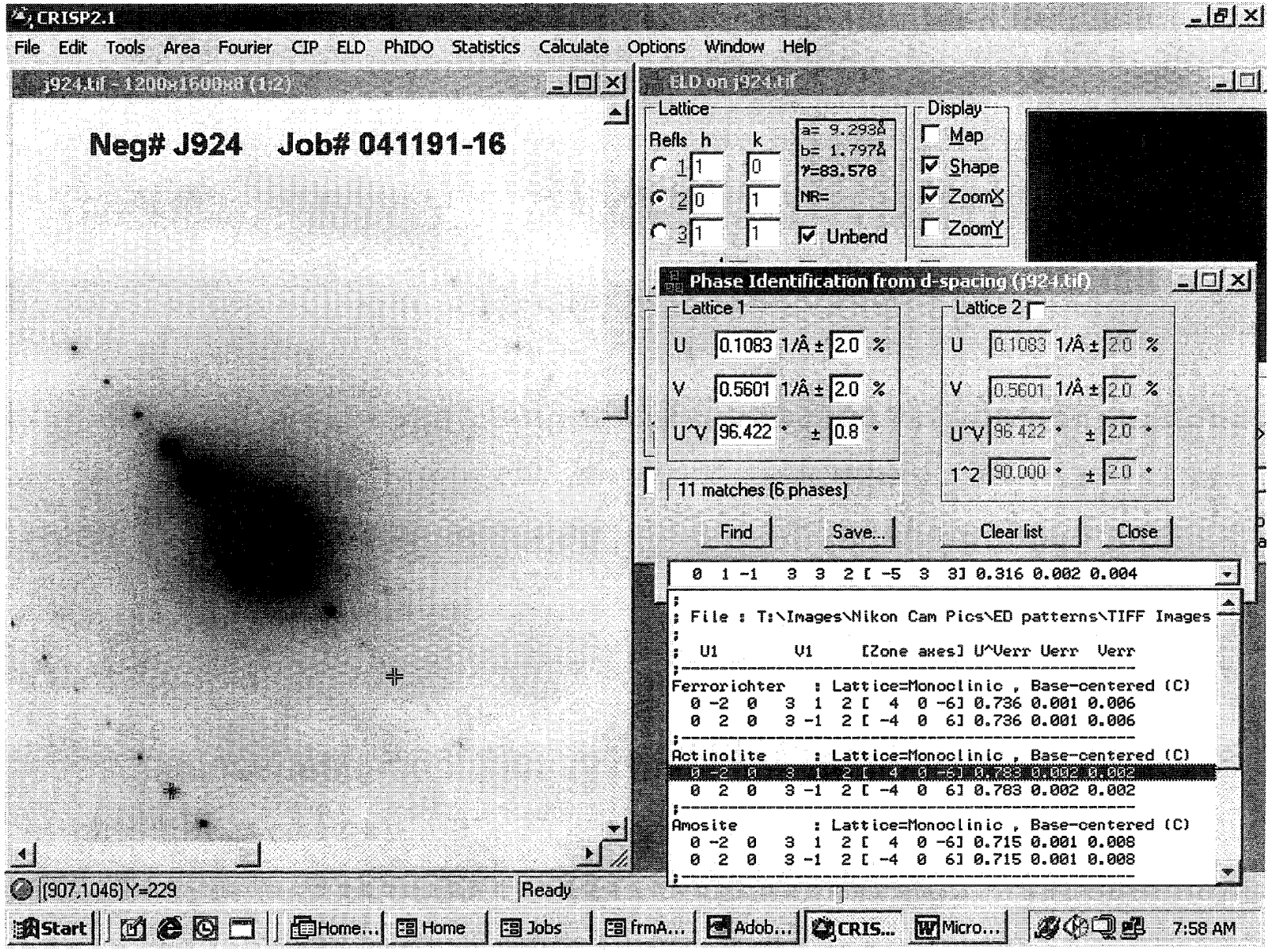
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

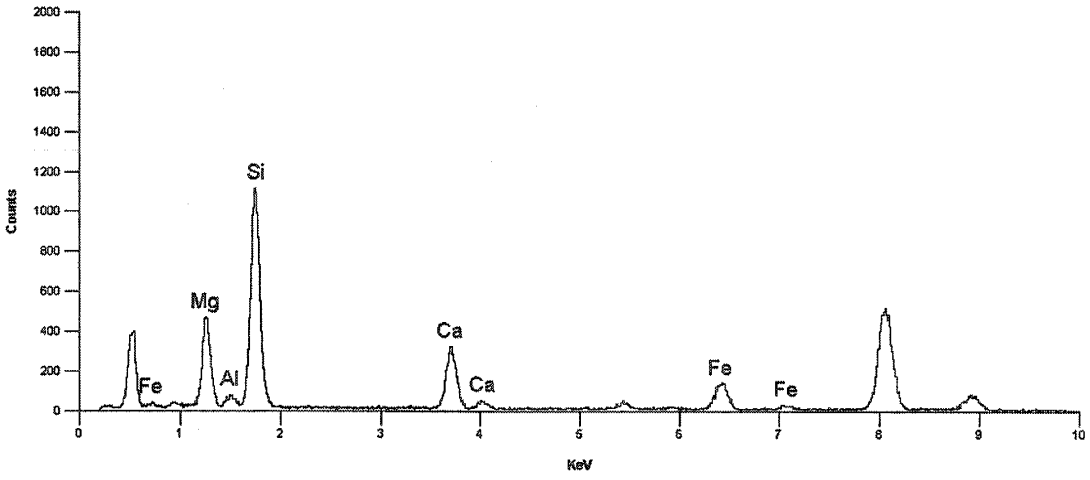
Sample # **041191-15-15242**

Values		Satisfied Conditions
(Ca,Na)@B	1.89	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.89	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.57	(Mg/(Mg+Fe2))< 0.9
Si	7.62	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[2 0 -3]





Quantitative Analysis Results - Standardless Analysis :
Spectrum1 041191-16 SP659 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 1242.96
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	6.55	MgO	12.15	0.55	12.15
Al	2.06	Al2O3	4.84	0.58	4.84
Si	21.36	SiO2	59.09	1.25	59.09
Ca	5.71	CaO	14.75	0.61	14.75
Fe	2.49	Fe2O3	9.16	0.61	9.16
<Total>	100.00		100.00		100.00

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	59.09	Si+4	8.0000	8.0000							
Al2O3	4.84	Al+3	0.7880	0.0000	**0.7880**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	9.16	Fe+3	0.0149			0.0149	0.0000				
MgO	12.15	Mg+2	2.4967			2.4967	**0.0000**				
MnO	0	Fe+2	1.0483			1.0483	**0.0000**				
CaO	14.75	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	2.1748					2.0000	0.1748		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	99.99		Excess	T site	**0.7880**	C site	**0.0000**	B site	**0.1747814**	A site	**0**
			Total	8		4.3480		2.0000		0.0000	0.0000
			%Fill	100		86.9604		100			

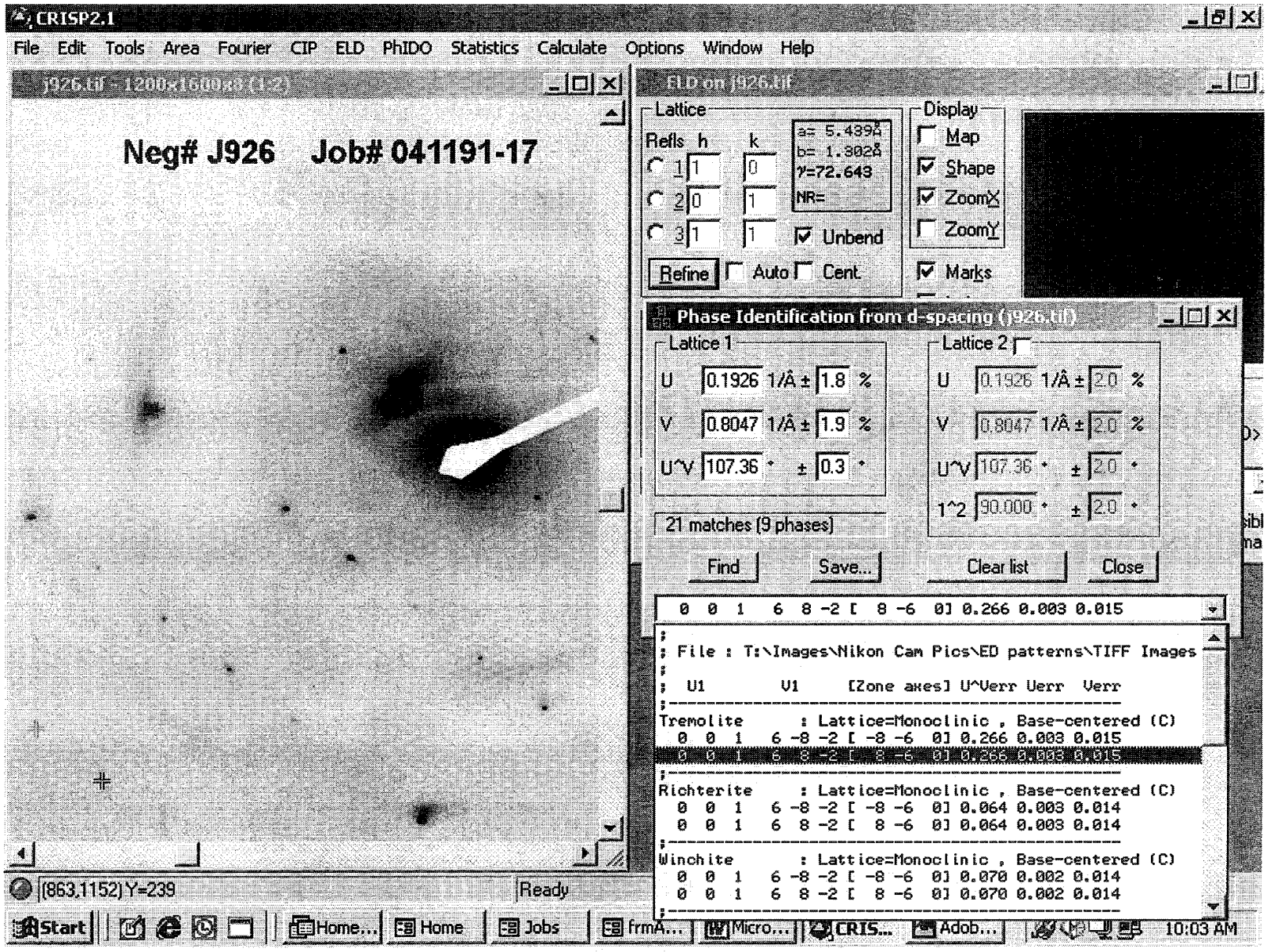
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-16-659

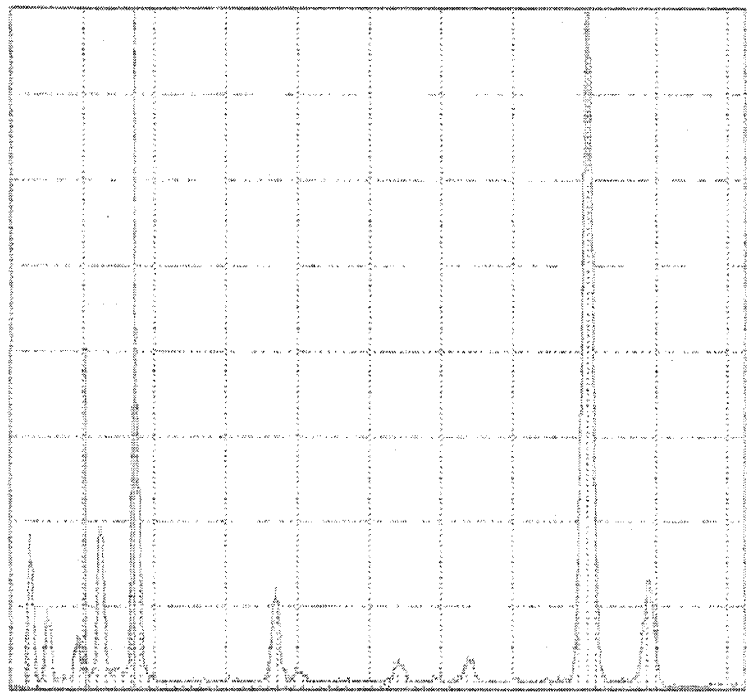
Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.70	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

TREMOLITE
[4-30]



TN-5500 University of Washington / JEOL SUN 24-OCT-04 10:18
Cursor: 1.720keV = 517



0.000 NH-11 VFS = 1024 1M 24M
66 1024chans 47%D1 HT= 0sec 0.000keV

SQMTFY QUANTIFY
Standardless Analysis

Refit _K K' _K K" _NAK' _NAK"
Refit _SIK' _MGK' _ALK' _K K _FEK' _FEK" _NAK
Chi-sqd = 6.98

Element	Net Counts	
Si-K	6420 +/-	125
Mg-K	3096 +/-	105
Al-K	637 +/-	139
K -K	0 +/-	0
Ca-K	1938 +/-	97
Fe-K	632 +/-	48
Na-K	0 +/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:NAK EDS:FE
EDS:NAK

041191-17 SP 669

			EL-LINE	PEAK	K-FACTOR	CPL/CREF	ATOM%	EL W
SI-K	6420	1.000	1.000	20.44	27.13	58.13	SIO2	
MG-K	3096	1.000	0.482	11.50	13.09	21.81	MGO	
AL-K	637	0.758	0.074	1.58	2.02	3.81	AL2O3	
K-K	0	1.060	0.000	0.00	0.00	0.00	K2O	
CA-K	1938	0.949	0.287	4.10	7.78	10.89	CAO	
FE-K	632	1.399	0.138	1.41	3.74	5.35	FE2O3	
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3	
O			1.705	60.97	46.24			

1,30
*
0,0
*

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	58.13	Si+4	7.7544	7.7544							
Al2O3	3.81	Al+3	0.5990	0.2456	**0.3534**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	5.35	Fe+3	0.2631			0.2631	0.0000				
MgO	21.81	Mg+2	4.3374			4.3374	**0.0000**				
MnO	0	Fe+2	0.3044			0.0461	**0.2582**				
CaO	10.89	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.5563					1.5563	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**99.99**		**Excess**	T site	**0.3534**	C site	**0.2582**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.5563**		**0.0000**	**0.0000**
			%Fill	**100**		**100**		**77.8157**			

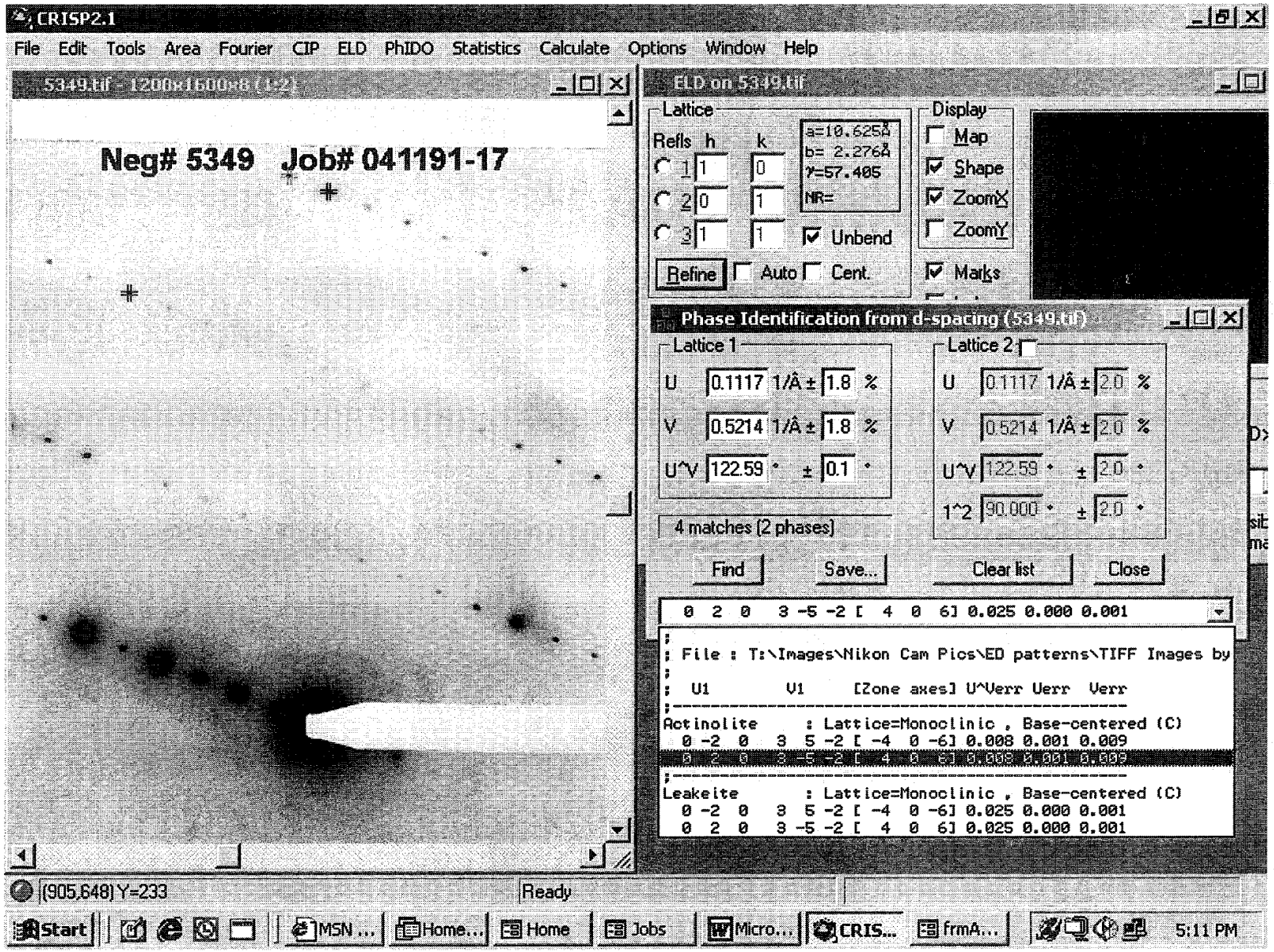
Prefix none
Name tremolite
Modifier none
Group Calcic Amphibole

Sample # **041191-17-669**

Values		Satisfied Conditions
(Ca,Na)@B	1.56	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.56	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.93	(Mg/(Mg+Fe2))>= 0.9
Si	7.75	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[2 0 3]

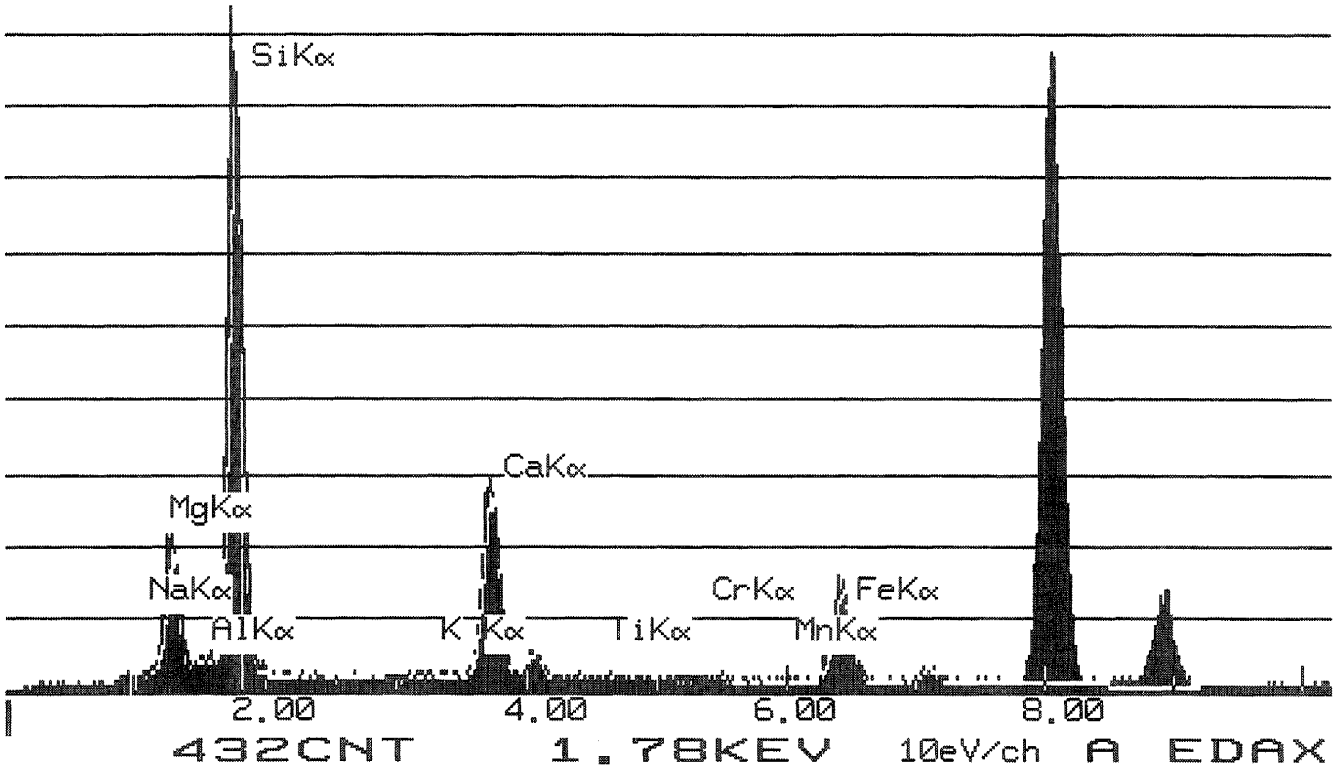


INTE-% :
LABEL = 041191-17 SP 15252
04-JAN-73 16:45:27
78.975 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	21.906	9.722	16.121
ALK	2.292	0.611	1.155
SIK	110.099	27.483	58.795
CAK	41.216	9.809	13.725
FEK	22.577	7.138	10.205
TOTAL			100.000

USED PEIF: USER

03-JAN-05 16:45:47 SUPER QUANT
RATE= 5872CPS TIME= 79LSEC
FS= 1019/ 1019 PRST= 200LSEC
A =041191-17 SP 15252



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	58.795	Si+4	8.0000	8.0000							
Al2O3	1.155	Al+3	0.1994	0.0000	0.1994						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	10.205	Fe+3	0.0182			0.0182	0.0000				
MgO	16.121	Mg+2	3.3414			3.3414	0.0000				
MnO	0	Fe+2	1.1808			1.1808	0.0000				
CaO	13.725	Mn+2	0.0000			0.0000	0.0000				
Na2O	0	Ca+2	2.0475					2.0000	0.0475		
K2O	0	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	100.001		Excess	T site	0.1994	C site	0.0000	B site	0.0475143	A site	0
			Total	8		4.7398		2.0000		0.0000	0.0000
			%Fill	100		94.796		100			

Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

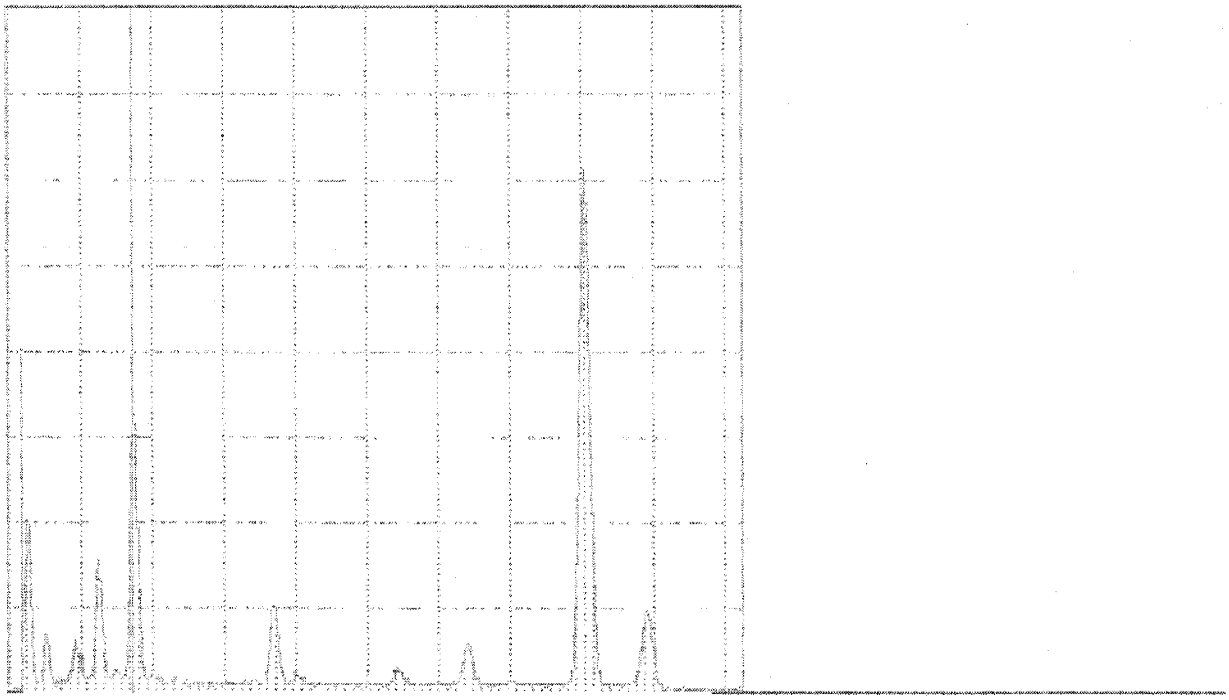
Sample # 041191-17-15252

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.74	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

TN-5500 University of Washington / JEOL SUN 24-OCT-04 08:55

Cursor: 1.730KeV = 507



0.000 8- 5 VFS = 1024 10.240

95 041191-17 SP 688

*X 'SQTMF'

0 [illegible] [13?B]

Refit _K K' _K K" _NAK' _NAK" SQMTF -3B/B0

Refit _ALK' _CAK' _FEK" _NAK

Refit _MGK' _MGK" _ALK"

Chi-sqd = 5.18

Standardless Analysis

Si-K	6548 +/-	125
Mg-K	2569 +/-	52
Al-K	387 +/-	46
K -K	87 +/-	28
Ca-K	2210 +/-	104
Fe-K	1606 +/-	63
Na-K	0 +/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-17 SP 458

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	6548	1.000	1.000	20.31	26.06	55.84	SIO2
MG-K	2569	1.000	0.392	9.30	10.23	17.04	MGO
							[illegible] AL2O3
							K-K 87
CA-K	2210	0.949	0.321	4.56	8.35	11.70	CAO
FE-K	1606	1.399	0.343	3.49	8.95	12.79	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.722	61.21	44.88		

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	55.84	Si+4	7.7297	7.7297							
Al2O3	2.19	Al+3	0.3573	0.2703	**0.0869**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	12.79	Fe+3	0.5995			0.5995	0.0000				
MgO	17.04	Mg+2	3.5165			3.5165	**0.0000**				
MnO	0	Fe+2	0.8142			0.7971	**0.0171**				
CaO	11.7	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7351					1.7351	0.0000		
K2O	0.45	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0795							0.0795	0.0000
Total	**100.01**		**Excess**	T site	**0.0869**	C site	**0.0171**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.7351**		**0.0795**	**0.0000**
			%Fill	**100**		**100**		**86.7547**			

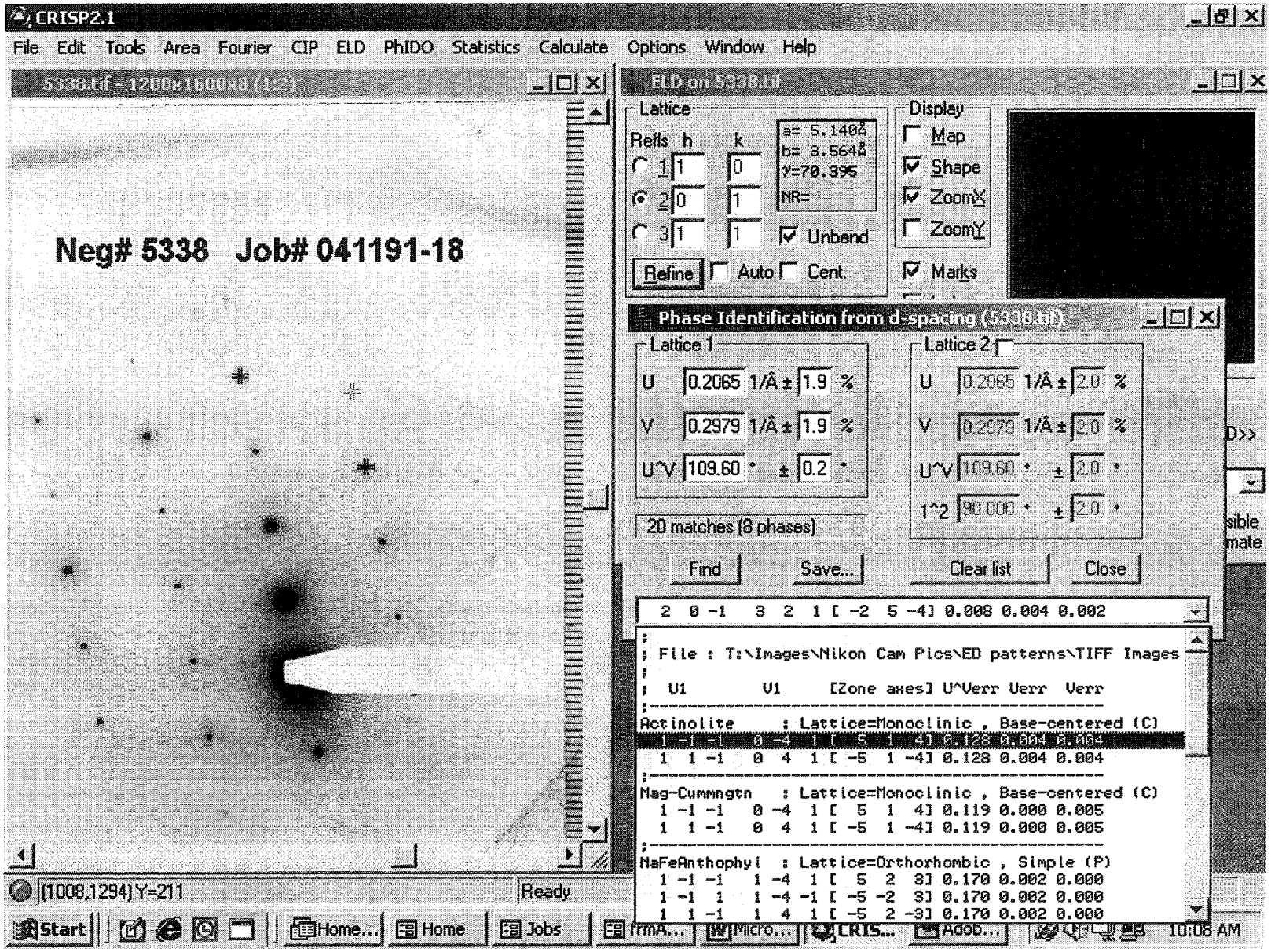
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

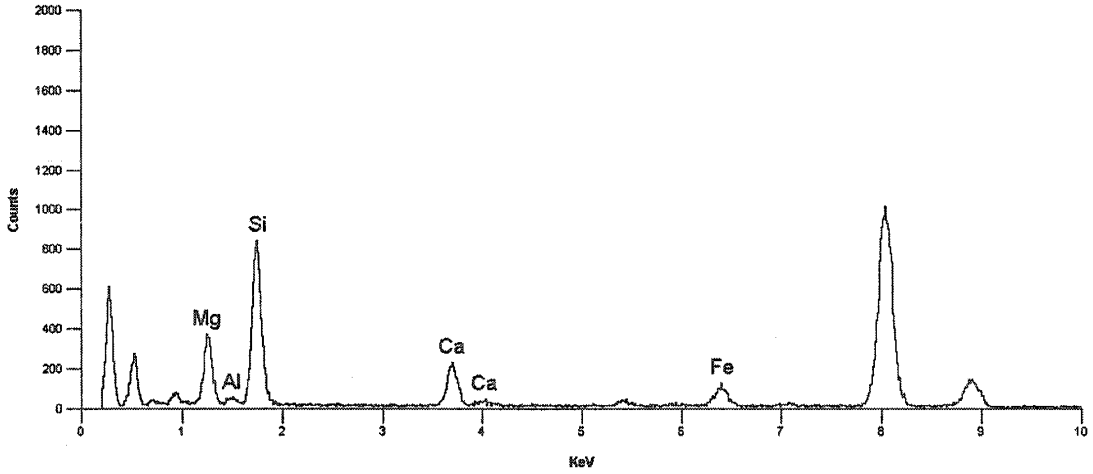
Sample # **041191-17-668**

Values		Satisfied Conditions
(Ca,Na)@B	1.74	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.74	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.08	Si > 7.5
Mg/(Mg+Fe2)	0.81	(Mg/(Mg+Fe2))< 0.9
Si	7.73	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[5 1 4]





Quantitative Analysis Results - Standardless Analysis :
Spectrum1 041191-18 670 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 1225.29
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	6.99	MgO	13.08	0.82	13.08
Al	1.69	Al2O3	3.99	0.86	3.99
Si	21.94	SiO2	61.20	1.78	61.20
Ca	5.50	CaO	14.32	0.86	14.32
Fe	2.00	Fe2O3	7.41	0.88	7.41
<Total>	100.00		100.00		100.00

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	61.2	Si+4	8.0000	8.0000							
Al2O3	3.99	Al+3	0.6643	0.0000	0.6643						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	7.41	Fe+3	0.0267			0.0267	0.0000				
MgO	13.08	Mg+2	2.7064			2.7064	0.0000				
MnO	0	Fe+2	0.8701			0.8701	0.0000				
CaO	14.32	Mn+2	0.0000			0.0000	0.0000				
Na2O	0	Ca+2	2.1240					2.0000	0.1240		
K2O	0	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	100		Excess	T site	0.6643	C site	0.0000	B site	0.1240253	A site	0
			Total	8		4.2675		2.0000		0.0000	0.0000
			%Fill	100		85.3501		100			

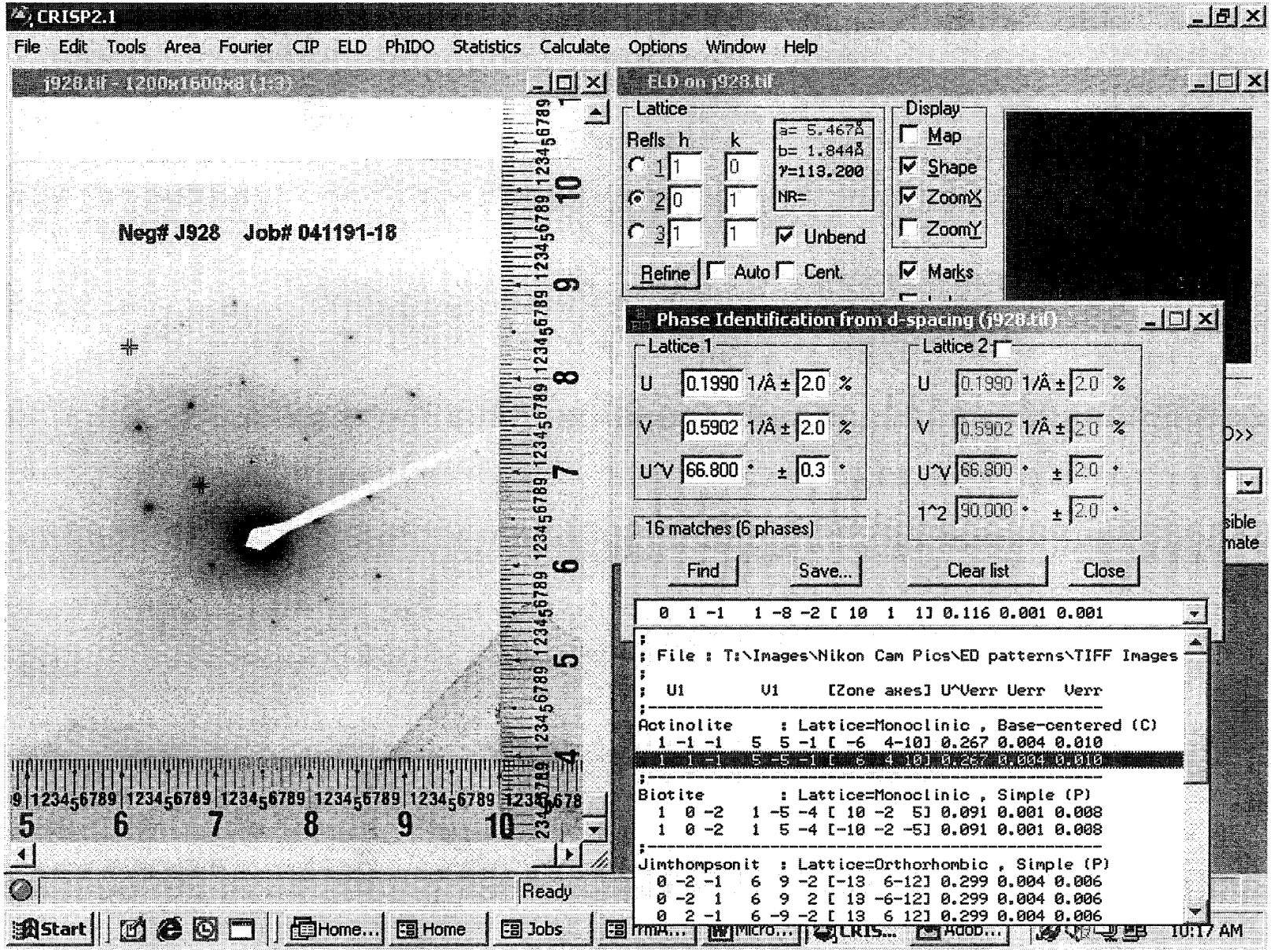
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-18-670

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.76	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 2 5]



TN-5500 University of Washington / UEOL MON 25-OCT-04 05:17
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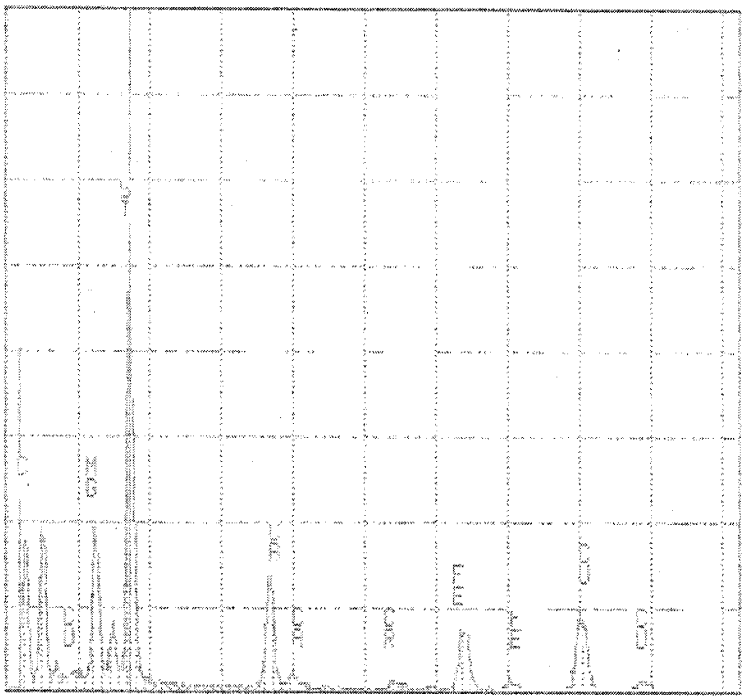

0.000 8- 5 WS = 1024 10.240
24 041191-18 671

```
*X 'SQMTF'

SQMTF: QUANTIFY
 Standardless Analysis

Refit _K K' _K K"
 Refit _MGK" _ALK" _K K
Chi-sqd = 2.13

 Element              Net Counts
   Si-K              7384 +/-    142
   Mg-K              2754 +/-     77
   Al-K              1026 +/-     58
   K -K                 0 +/-      0
   Ca-K              2362 +/-     97
   Fe-K              1797 +/-     85
   Na-K               109 +/-     80


 REF.S  EDS:SIK    EDS:MGK    EDS:ALK    EDS:K K    EDS:CAK    EDS:F
  EDS:NAK

041191-18 671

EL-LINE    PEAK   K-FACTOR    CEL/CREF   ATOM%   EL WT%     WT%   FORMULA
 SI-K      7384     1.000      1.000     19.93    25.70    55.00   SIO2
MG-K       2754     1.000      0.373      8.67     9.59    15.98   MGO
 AL-K      1026     0.750      0.184      7.14     7.48     8.86   AL2O3
K-K           0     1.060      0.000      0.00     0.00     0.00   K2O
 CA-K      2362     0.949      0.304      4.24     7.81    10.94   CAO
FE-K       1797     1.399      0.341      3.40     6.76    12.51   FE2O3
 NA-K       109     0.549      0.008      0.20     0.21     0.43   NA2O3
O                              1.760     61.40    46.25

 1.30
*
```

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	55.08	Si+4	7.5714	7.5714							
Al2O3	5.06	Al+3	0.8197	0.4286	**0.3911**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	12.51	Fe+3	0.6340			0.6340	0.0000				
MgO	15.98	Mg+2	3.2748			3.2748	**0.0000**				
MnO	0	Fe+2	0.7334			0.7000	**0.0333**				
CaO	10.94	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.43	Ca+2	1.6111					1.6111	0.0000		
K2O	0	Na+	0.1146					0.1146	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**100**		**Excess**	T site	**0.3911**	C site	**0.0333**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.7257**		**0.0000**	**0.0000**
			%Fill	**100**		**100**		**86.2846**			

Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-18-671**

Values		Satisfied Conditions
(Ca,Na)@B	1.73	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.11	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.61	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.82	(Mg/(Mg+Fe2))< 0.9
Si	7.57	

Mineral Analysis Program (Version 5.0)

Neg# J940 Job# 041191-18
ACTINOLITE
[4 1 2]

CRISP2.1

File Edit Tools Area Fourier CIP ELD PhIDO Statistics Calculate Options Window Help

J940b.TIF - 1200x1600x8 (1:2)

ELD on J940b.TIF

Lattice

Refls	h	k
1	1	0
2	0	1
3	1	1

a= 4.567Å
b= 2.437Å
γ=84.113
NR=

Unbend

Refine Auto Cent.

Display: Map, Shape, ZoomX, ZoomY, Marks

Phase Identification from d-spacing (J940b.TIF)

Lattice 1

U	0.2201	1/Å ±	1.4	%
V	0.4126	1/Å ±	1.4	%
U^V	95.887	° ±	0.1	°

Lattice 2

U	0.2201	1/Å ±	2.0	%
V	0.4126	1/Å ±	2.0	%
U^V	95.887	° ±	2.0	°
1^2	90.000	° ±	2.0	°

8 matches [3 phases]

Find Save... Clear list Close

```
  1  1  1   7 -2 -1 [ -1 -8  9] 0.048 0.003 0.003
; File : T:\Images\Nikon Cam Pics\ED patterns\TIFF Images
;
;  U1        V1     [Zone axes] U^Verr Uerr  Verr
;-----------------------------------------------------
Actinolite      : Lattice=Monoclinic , Base-centered (C)
  0 -2 -1   2  6 -1 [ -8  2 -4] 0.058 0.003 0.000
  0  2 -1   2  6 -1 [  8  2  4] 0.058 0.003 0.000
;-----------------------------------------------------
Jimthompsonit   : Lattice=Orthorhombic , Simple (P)
  2 -1 -1   1 11  0 [-11  1-23] 0.088 0.000 0.005
  2 -1  1   1 11  0 [ 11 -1-23] 0.088 0.000 0.005
  2  1 -1   1-11  0 [ 11  1 23] 0.088 0.000 0.005
  2  1  1   1-11  0 [-11 -1 23] 0.088 0.000 0.005
;-----------------------------------------------------
Holmquistite    : Lattice=Orthorhombic , Simple (P)
  1 -1  1   7  2 -1 [  1 -8 -9] 0.048 0.003 0.003
  1  1  1   7 -2 -1 [ -1 -8  9] 0.048 0.003 0.003
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Ready

Start MS... Ho... Home Jobs 4:49 PM

TN-5500 University of Washington / JEOL MON 25-OCT-04 05:47
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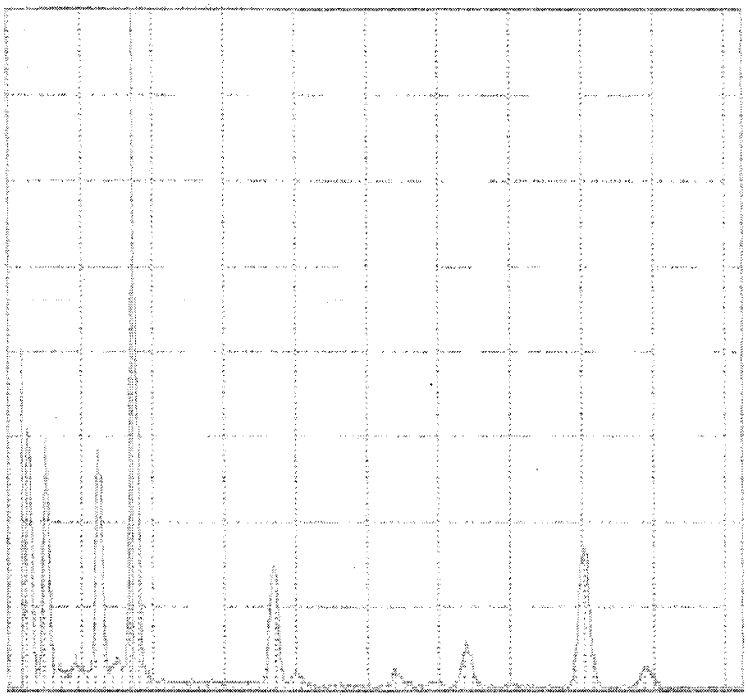


0.00M R- 5 VFS : 1024 10.240
59 041191-18 SP 672

*Z>ZX 'SQMTF'
SQMTF: QUANTIFY
Standardless Analysis

Refit _K K' _K K" _NAK' _NAK"
Refit _ALK' _ALK" _K K _FEK" _NAK
Chi-sqd = 1.97

Element	Net Counts		
Si-K	8847	+/-	140
Mg-K	3829	+/-	114
Al-K	330	+/-	66
K -K	0	+/-	0
Ca-K	2819	+/-	104
Fe-K	1175	+/-	51
Na-K	0	+/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-18 SP 672

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	8847	1.000	1.000	21.10	27.73	59.41	SIO2
MG-K	3829	1.000	0.433	10.65	12.00	20.00	MGO
AL-K	330	0.750	0.028	0.61	0.78	1.47	AL2O3
K-K	0	1.060	0.000	0.00	0.00	0.00	K2O
CA-K	2819	0.949	0.303	4.47	8.39	11.75	CAO
FE-K	1175	1.399	0.186	1.96	5.16	7.37	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.657	61.19	45.94		

1,30
*
0,0
*

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	59.41	Si+4	7.9889	7.9889							
Al2O3	1.47	Al+3	0.2330	0.0111	**0.2218**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	7.37	Fe+3	0.3654			0.3654	0.0000				
MgO	20	Mg+2	4.0094			4.0094	**0.0000**				
MnO	0	Fe+2	0.4226			0.4034	**0.0192**				
CaO	11.75	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.6927					1.6927	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**100**		**Excess**	T site	**0.2218**	C site	**0.0192**	B site	**0**	A site	**0**

		Total	**8**	**5.0000**	**1.6927**	**0.0000**	**0.0000**
Prefix	none	**%Fill**	**100**	**100**	**84.6359**		

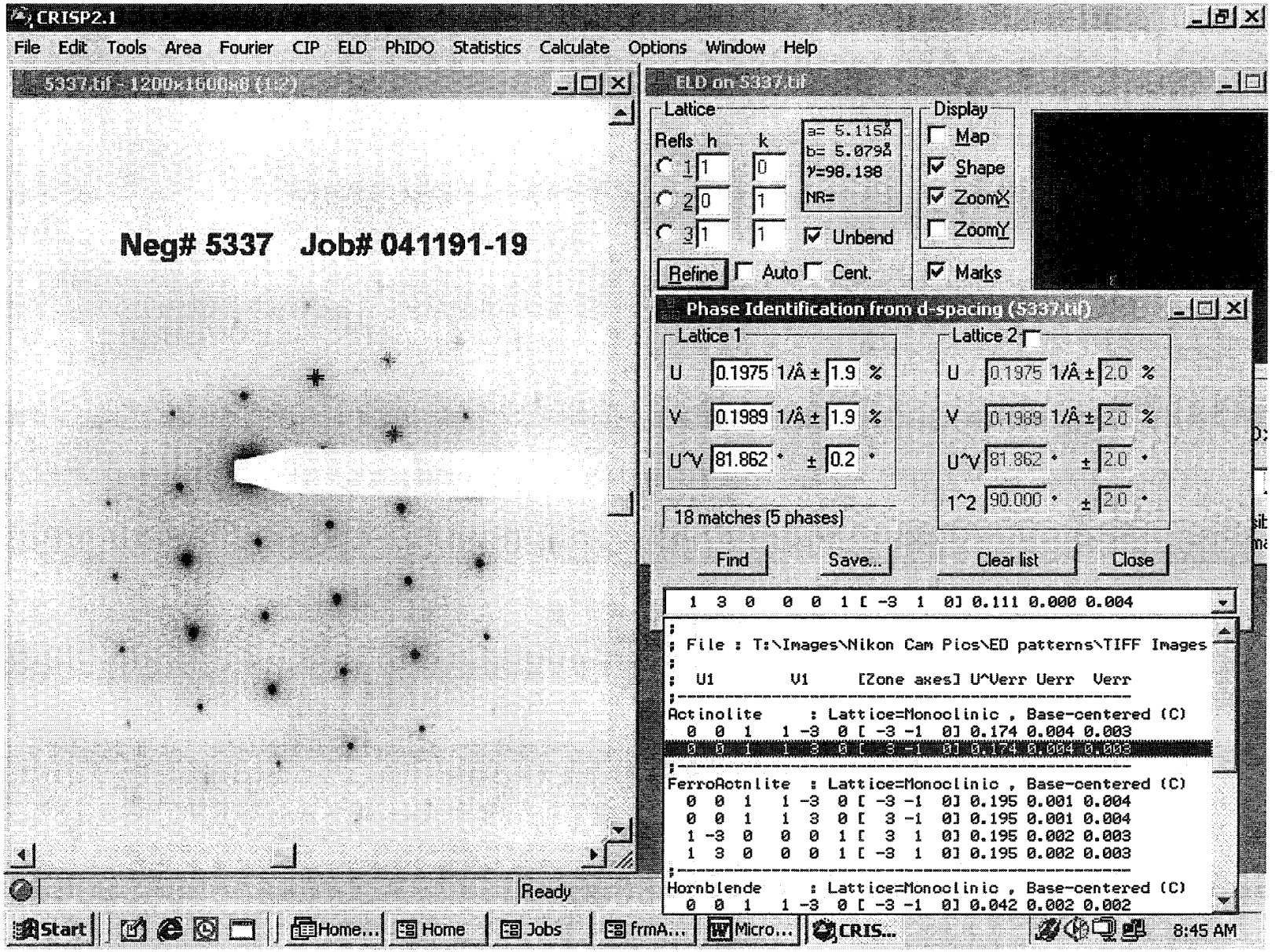
Name ~~tremolite~~ ACTINOLITE BY DIFFRACTION + Fe > 5%
Modifier none
Group Calcic Amphibole

Sample # **041172-18-672**

Values		Satisfied Conditions
(Ca,Na)@B	1.69	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.69	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.90	(Mg/(Mg+Fe2))>= 0.9
Si	7.99	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3-10]

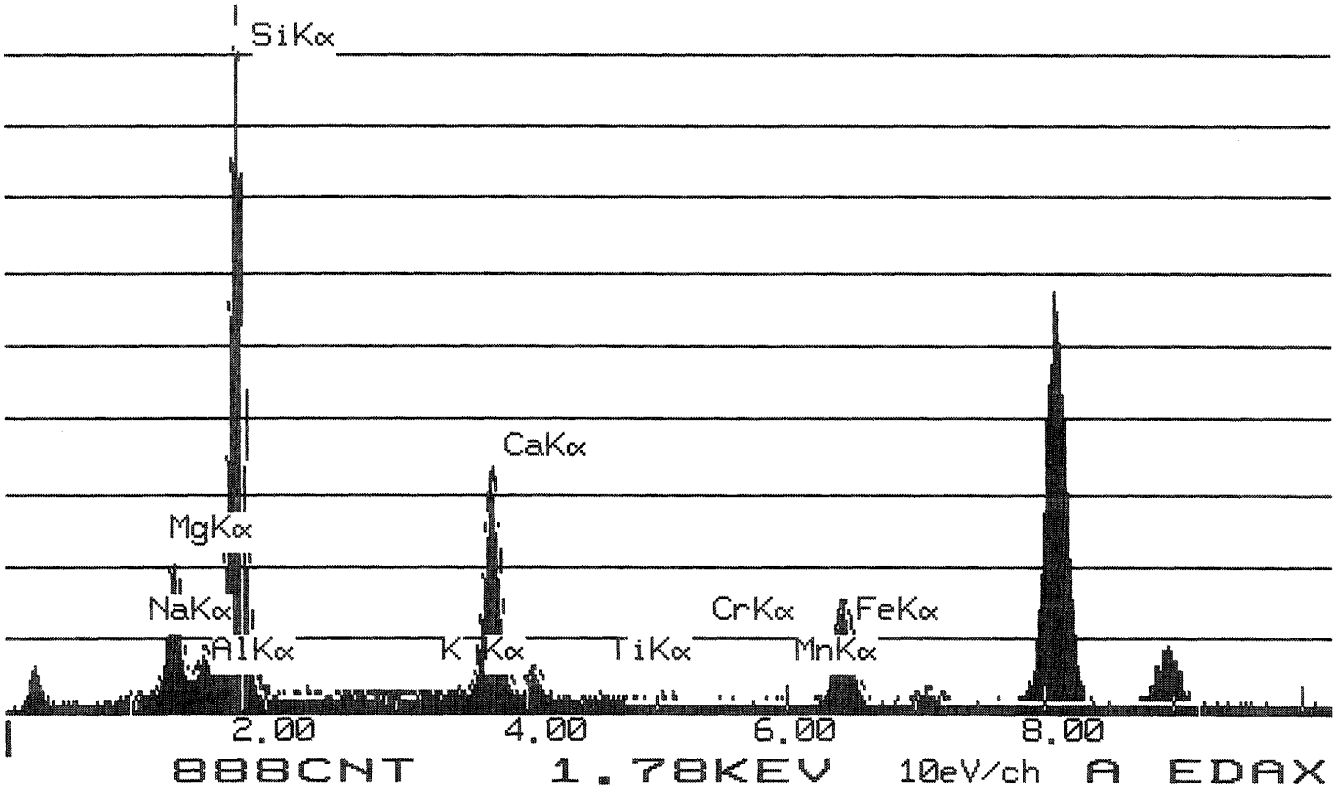


INTE-% :
LABEL = 041191-19 15246
02-JAN-73 14:40:16
53.848 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	43.177	10.062	16.684
ALK	13.427	1.880	3.551
SIK	200.025	26.217	56.088
CAK	79.223	9.900	13.852
CRK	0.371	0.065	0.094
MNK	0.353	0.064	0.082
FEK	40.651	6.748	9.648
TOTAL			100.000

USED PEIF: USER

01-JAN-05 14:40:31 SUPER QUANT
RATE= 213CPS TIME= 54LSEC
FS= 1094/ 1094 PRST= 200LSEC
A =041191-19 15246



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.088	Si+4	7.7506	7.7506							
Al2O3	3.551	Al+3	0.5783	0.2494	0.3288						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0.094	Cr+3	0.0103			0.0103	0.0000				
Fe(total)O	9.648	Fe+3	0.0100			0.0100	0.0000				
MgO	16.684	Mg+2	3.4371			3.4371	0.0000				
MnO	0.082	Fe+2	1.1037			1.1037	0.0000				
CaO	13.852	Mn+2	0.0096			0.0096	0.0000				
Na2O	0	Ca+2	2.0507					2.0000	0.0507		
K2O	0	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	99.999		Excess	T site	0.3288	C site	0.0000	B site	0.0506769	A site	0
			Total	8		4.8995		2.0000		0.0000	0.0000
			%Fill	100		97.9895		100			

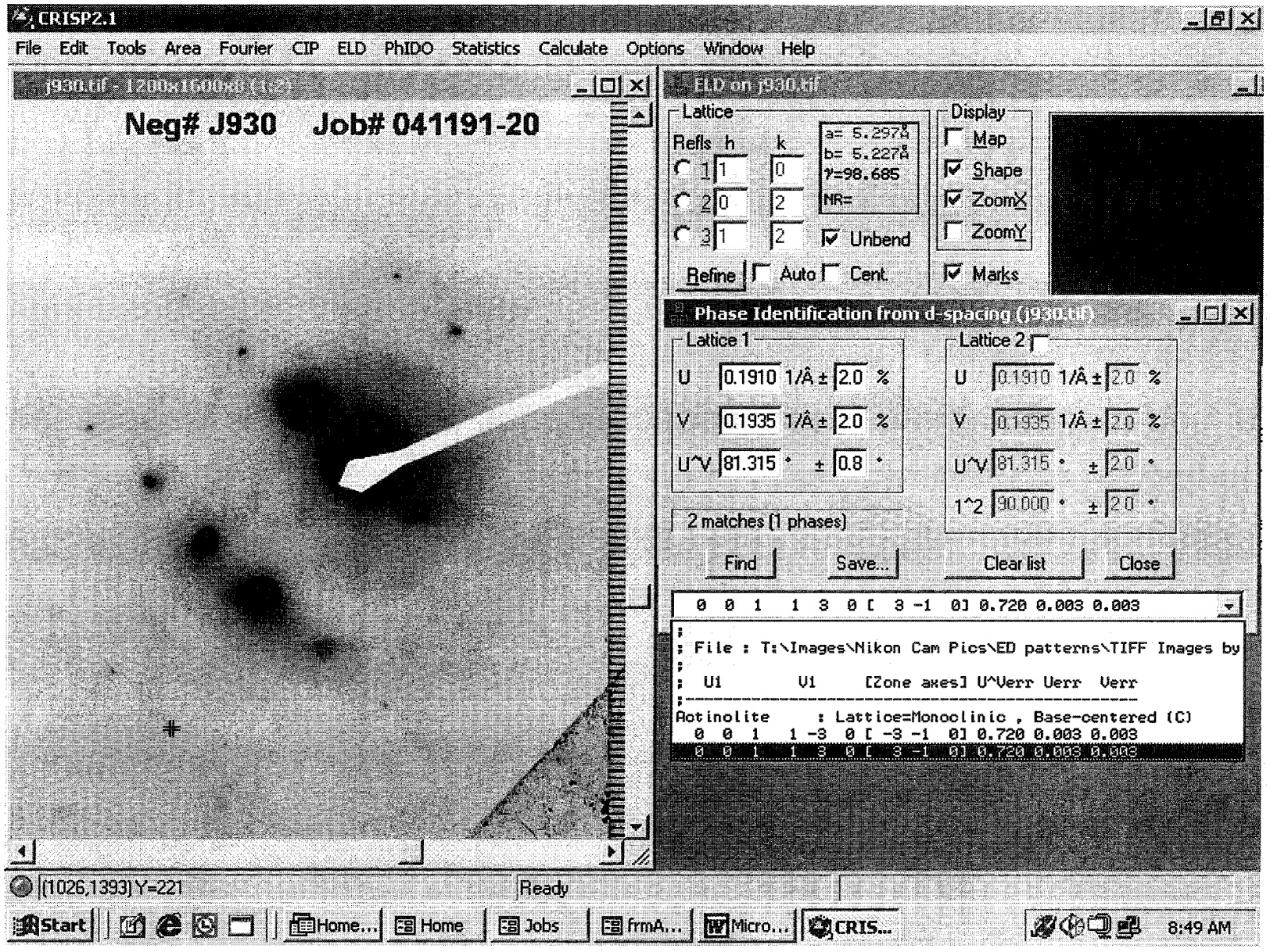
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-19-15246

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.76	(Mg/(Mg+Fe2))< 0.9
Si	7.75	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3-10]



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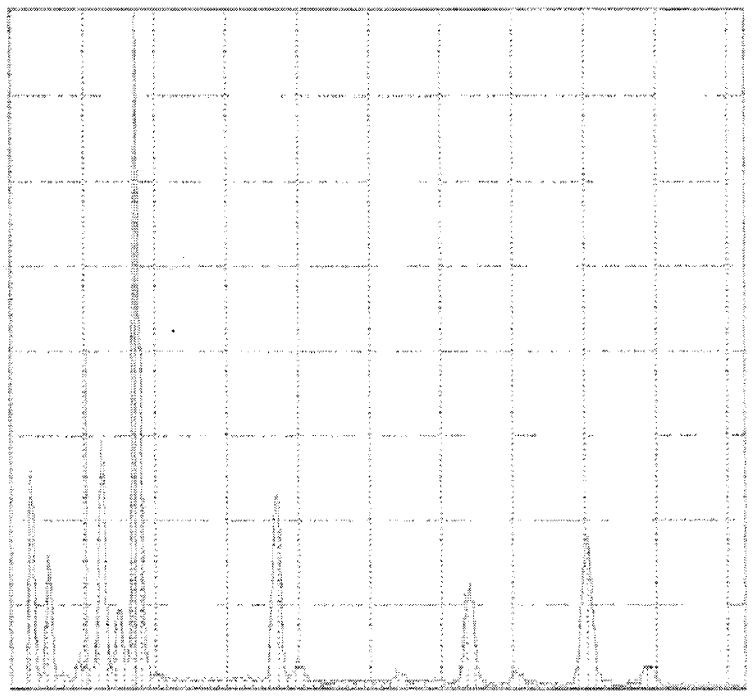

0.000 YFS = 1024 10.248

44 041191-20 SP 674

*X 'SQMTF'
TN FLEXTRAN [13-B]

*X 'SW\WQMTF'
SQMTF -3B/80

SQMTF: QUANTIFY
Standardless Analysis

Refit _K K' _K K" _NAK' _NAK"
Refit _ALK' _ALK" _FEK" _NAK
Chi-sqd = 2.39

Element	Net Counts		
Si-K	11484	+/-	159
Mg-K	3700	+/-	121
Al-K	1219	+/-	78
K -K	40	+/-	30
Ca-K	4194	+/-	127
Fe-K	2753	+/-	74
Na-K	0	+/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-20 SP 674

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	11484	1.000	1.000	20.54	26.31	56.39	SIO2
MG-K	3700	1.000	0.322	7.72	8.48	14.13	MGO
AL-K	1219	0.750	0.080	1.70	2.10	3.96	AL2O3
K-K	40	1.060	0.004	0.06	0.10	0.12	K2O
CA-K	4194	0.949	0.347	4.99	9.13	12.78	CAO
FE-K	2753	1.399	0.316	3.45	8.83	12.62	FE2O3

```
O                                    1.712    61.54    45.05

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 0,0
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 0,0
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*
 0,0
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 0,0
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 0,0
*
*X 'SQMYF'\'\F\YTP'

 TN FLEXTRAN [13-B]


*X 'SQMTF'
 SQMTF -3B/H0

SQMTF: QUANTIFY
 Standardless Analysis

Chi-sqd = 1.46

 Element            Net Counts
  Si-K            7001 +/-    157
   Mg-K            2440 +/-    153
  Al-K             260 +/-    187
   K-K              55 +/-     51
  Ca-K            2546 +/-     98
   Fe-K            1332 +/-     77
  Na-K              82 +/-     73


 REF.S  EDS:SIK     EDS:MGK     EDS:ALK     EDS:K K     EDS:CAK     EDS:FEK
 EDS:NAK

 EXEC(7-C) DATA LABEL

EL-LINE    PEAK  K-FACTOR    CEL/CREF   ATOM%   EL WT%      WT%   FORMULA
 SI-K       7001     1.000      1.000    21.13    27.29    58.47   SIO2
MG-K       2440     1.000      0.349     8.60     9.51    15.85   MGO
 AL-K        260     0.750      0.028     0.61     0.76     1.44   AL2O3
K-K           55     1.060      0.008     0.13     0.23     0.28   K2O
 CA-K       2546     0.949      0.346     5.11     9.43    13.20   CAO
FE-K       1332     1.399      0.266     2.82     7.27    10.39   FE2O3
 NA-K         82     0.549      0.007     0.17     0.18     0.36   NA2O3
O                                1.661    61.43    45.33

 1,30
*
 *X 'SQMTF'

SQMTF: QUANTIFY
 Standardless Analysis

Refit _NAK' _NAK"
 Refit _ALK' _ALK" _K K' _FEK" _NAK
Refit _MGK"
 Chi-sqd = 3.35
```

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.39	Si+4	7.8508	7.8508							
Al2O3	3.96	Al+3	0.6497	0.1492	0.5005						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	12.62	Fe+3	0.0132			0.0132	0.0000				
MgO	14.13	Mg+2	2.9328			2.9328	0.0000				
MnO	0	Fe+2	1.4545			1.4545	0.0000				
CaO	12.78	Mn+2	0.0000			0.0000	0.0000				
Na2O	0	Ca+2	1.9062					1.9062	0.0000		
K2O	0.12	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0213							0.0213	0.0000
Total	100		Excess	T site	0.5005	C site	0.0000	B site	0	A site	0
			Total	8		4.9009		1.9062		0.0213	0.0000
			%Fill	100		98.0189		95.3086			

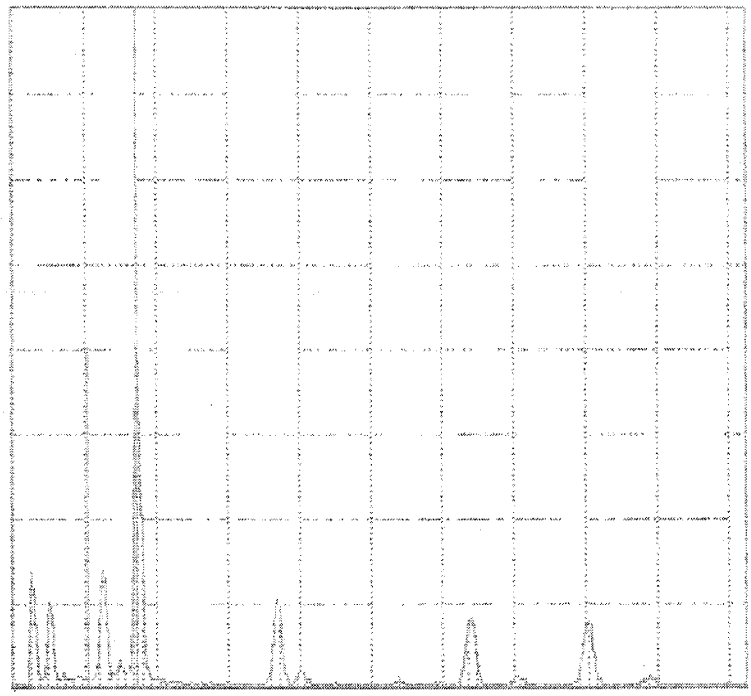
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-20-674

Values		Satisfied Conditions
(Ca,Na)@B	1.91	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.91	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.02	Si > 7.5
Mg/(Mg+Fe2)	0.67	(Mg/(Mg+Fe2))< 0.9
Si	7.85	

Mineral Analysis Program (Version 5.0)

TN-5500 University of Washington / JEOL MON 25-OCT-04 10:24
Cursor: 1.730keV = 1052



0.000 MH-11 VFS = 2048 10.240
43 041191-20 SP 673

*X 'SQMTF'

SQMTF: QUANTIFY
Standardless Analysis

Refit _K K' _K K"
Refit _MGK' _ALK' _ALK" _K K _FEK"
Chi-sqd = 2.24

Element	Net Counts	
Si-K	11859 +/-	159
Mg-K	3568 +/-	150
Al-K	617 +/-	71
K -K	0 +/-	0
Ca-K	3805 +/-	118
Fe-K	3800 +/-	85
Na-K	96 +/-	86

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-20 SP 673

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	11859	1.000	1.000	20.81	26.35	56.46	SIO2
MG-K	3568	1.000	0.301	7.31	7.93	13.21	MGO
AL-K	617	0.750	0.039	0.84	1.03	1.95	AL2O3
K-K	0	1.060	0.000	0.00	0.00	0.00	K2O
CA-K	3805	0.949	0.305	4.44	8.03	11.25	CAO
FE-K	3800	1.399	0.449	4.67	11.82	16.89	FE2O3
NA-K	96	0.549	0.004	0.11	0.12	0.24	NA2O3
O			1.697	61.81	44.72		

SQMTF: QUANTIFY
Standardless Analysis

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.46	Si+4	7.9565	7.9565							
Al2O3	1.95	Al+3	0.3239	0.0435	**0.2803**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	16.89	Fe+3	0.2686			0.2686	0.0000				
MgO	13.21	Mg+2	2.7753			2.7753	**0.0000**				
MnO	0	Fe+2	1.6917			1.6757	**0.0160**				
CaO	11.25	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.24	Ca+2	1.6985					1.6985	0.0000		
K2O	0	Na+	0.0656					0.0656	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	100		Excess	T site	**0.2803**	C site	**0.0160**	B site	**0**	A site	**0**
			Total	8		5.0000		1.7640		0.0000	0.0000
			%Fill	100		100		88.2014			

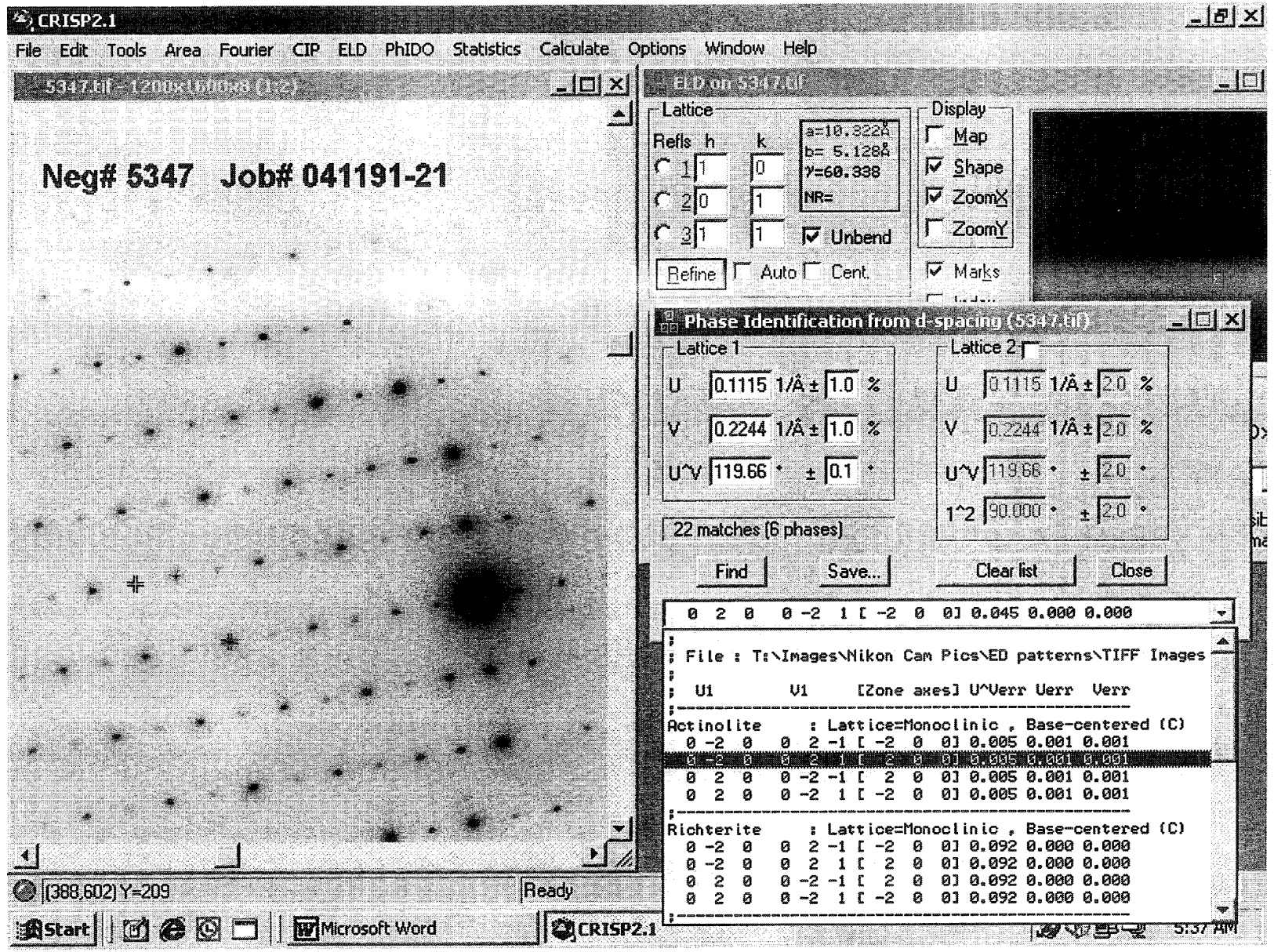
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-20-673

Values		Satisfied Conditions
(Ca,Na)@B	1.76	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.07	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.70	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.62	(Mg/(Mg+Fe2))< 0.9
Si	7.96	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 0 0]

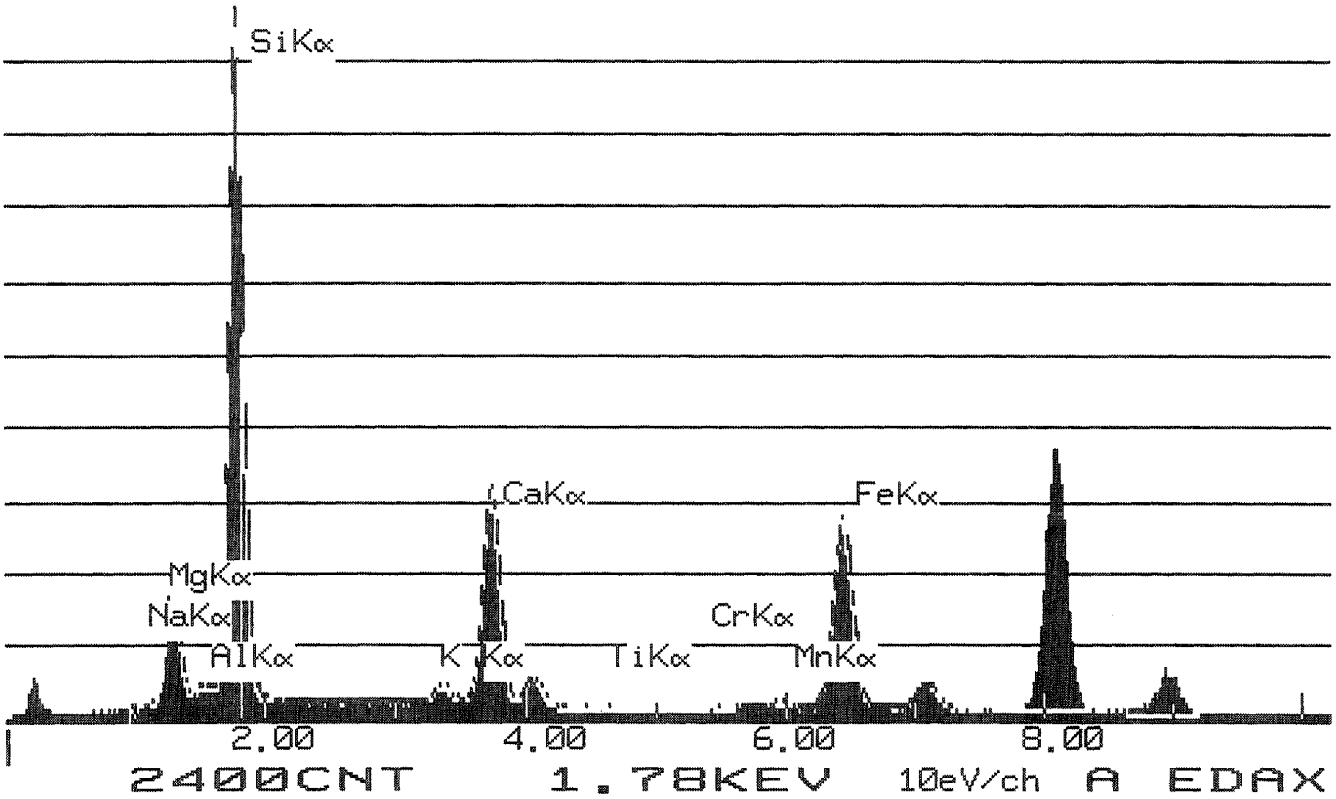


INTE-% :
LABEL = 041191-21 15250
04-JAN-73 01:56:28
87.870 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	59.349	8.248	13.676
ALK	7.500	0.626	1.183
SIK	324.558	25.369	54.273
K K	8.558	1.112	1.339
CAK	120.530	8.982	12.568
MNK	1.332	0.143	0.185
FEK	118.516	11.733	16.775
TOTAL			100.000

USED PEIF: USER

03-JAN-05 01:56:48 SUPER QUANT
RATE= 1957CPS TIME= 88LSEC
FS= 2895/ 2895 PRST= 200LSEC
A =041191-21 15250



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.273	Si+4	7.8176	7.8176							
Al2O3	1.183	Al+3	0.2008	0.1824	**0.0184**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	16.775	Fe+3	0.0545			0.0545	0.0000				
MgO	13.676	Mg+2	2.9368			2.9368	**0.0000**				
MnO	0.185	Fe+2	1.9599			1.9599	**0.0000**				
CaO	12.568	Mn+2	0.0226			0.0226	**0.0000**				
Na2O	0	Ca+2	1.9395					1.9395	0.0000		
K2O	1.339	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.2460							0.2460	0.0000
Total	99.999		Excess	T site	0.0184	C site	0.0000	B site	0	A site	0

Total	8	4.9922	1.9395	0.2460	0.0000
%Fill	100	99.8446	96.9726		

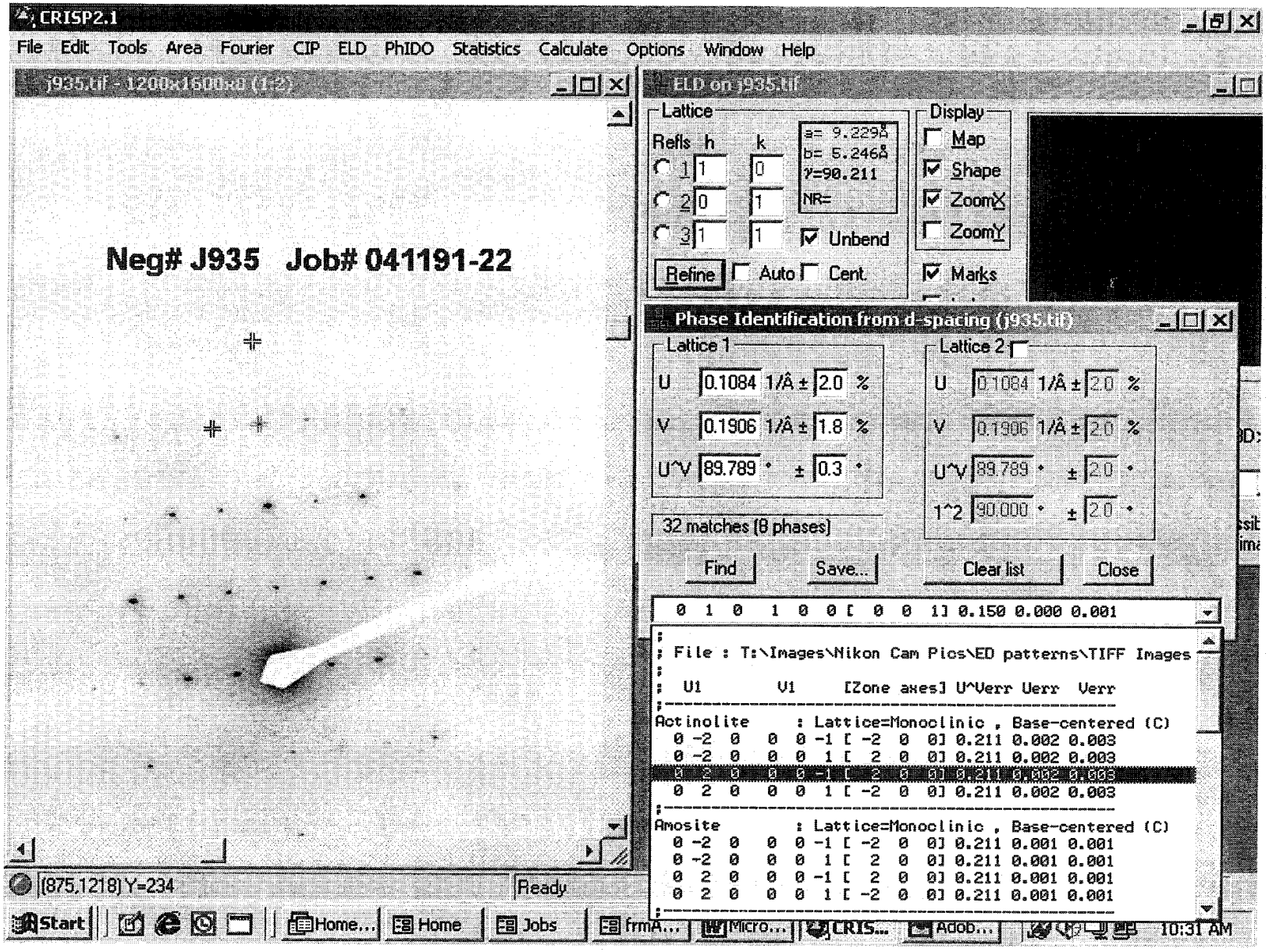
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

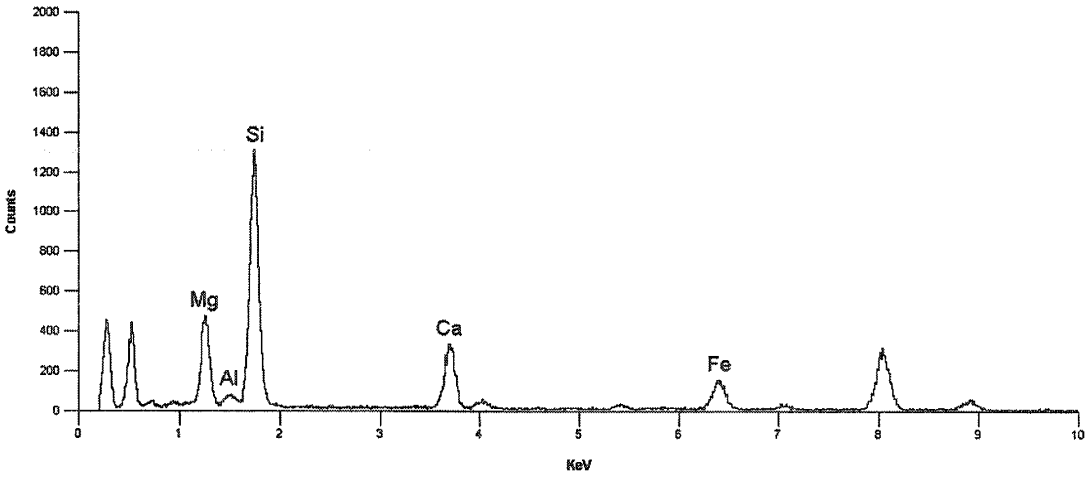
Sample # 041191-21-15250

Values		Satisfied Conditions
(Ca,Na)@B	1.94	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.94	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.25	Si > 7.5
Mg/(Mg+Fe2)	0.60	(Mg/(Mg+Fe2))< 0.9
Si	7.82	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 0 0]





Quantitative Analysis Results - Standardless Analysis :
Spectrum1 041191-22 SP 680 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 1795.76
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	6.04	MgO	11.29	0.60	11.29
Al	1.70	Al2O3	4.01	0.67	4.01
Si	22.39	SiO2	62.33	1.40	62.33
Ca	5.59	CaO	14.53	0.66	14.53
Fe	2.12	Fe2O3	7.85	0.65	7.85
<Total>	100.00		100.00		100.00

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	62.33	Si+4	8.0000	8.0000							
Al2O3	4.01	Al+3	0.6834	0.0000	**0.6834**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	7.85	Fe+3	0.0378			0.0378	0.0000				
MgO	11.29	Mg+2	2.3857			2.3857	**0.0000**				
MnO	0	Fe+2	0.9418			0.9418	**0.0000**				
CaO	14.53	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	2.1820					2.0000	0.1820		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	100.01		Excess	T site	**0.6834**	C site	**0.0000**	B site	**0.1819819**	A site	**0**
			Total	8		4.0486		2.0000		0.0000	0.0000
			%Fill	100		80.972		100			

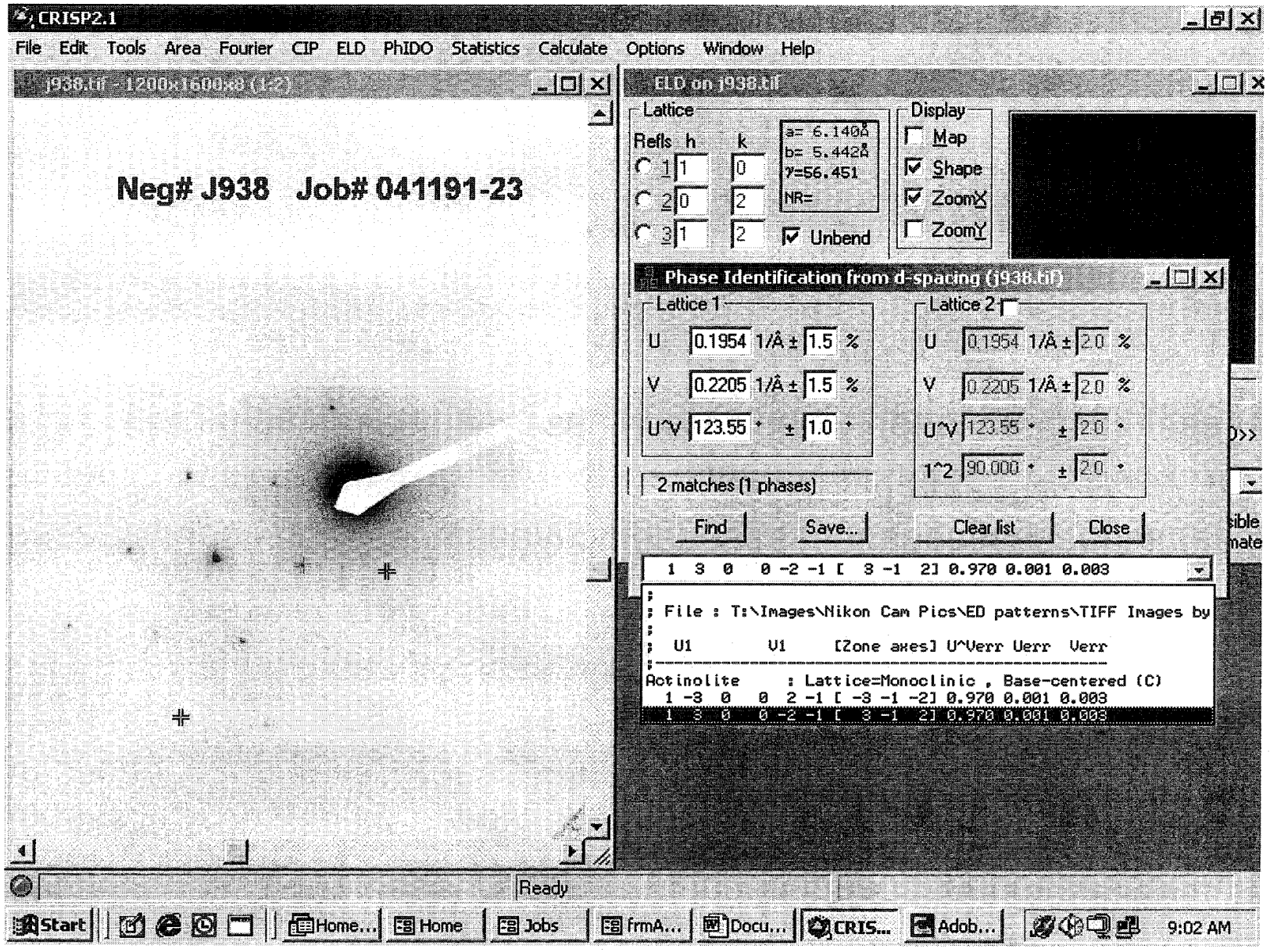
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-22-680

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.72	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 -1 0]



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TN-5500 University of Washington / JEO TUE 26-OCT-04 12:30

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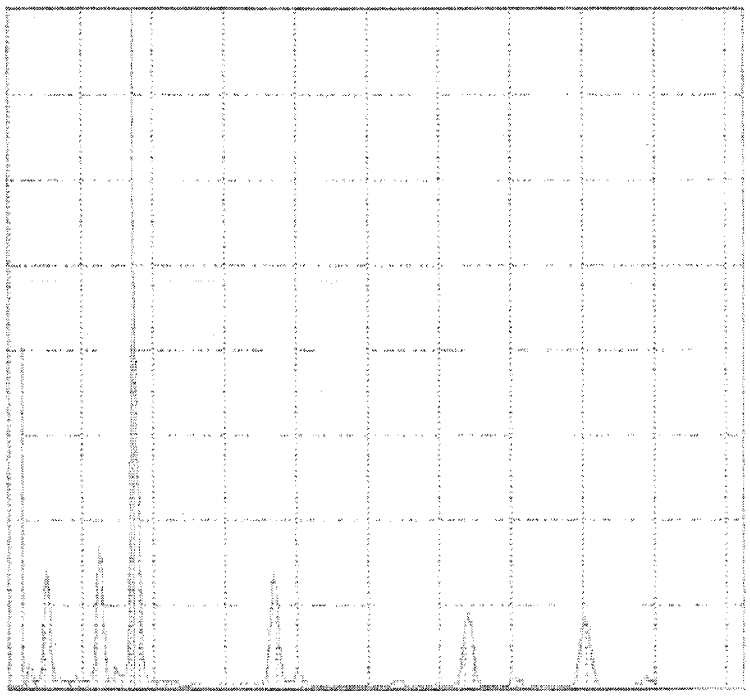


0.000 B- 5 VFS = 2048 10.240

20 041191-23 SP 682

*X 'SQMTF'
SQMTF: QUANTIFY
Standardless Analysis

Refit _K K' _K K" _NAK' _NAK"
Refit _ALK' _ALK" _K K _NAK
Chi-sqd = 1.35

Element	Net Counts		
Si-K	14157	+/-	168
Mg-K	4287	+/-	119
Al-K	418	+/-	72
K-K	0	+/-	0
Ca-K	4994	+/-	132
Fe-K	3946	+/-	121
Na-K	0	+/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-23 SP 682

FL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	14157	1.000	1.000	21.18	26.91	57.66	SIO2
MG-K	4287	1.000	0.303	7.48	8.15	13.58	MGO
AL-K	418	0.750	0.022	0.49	0.60	1.13	AL2O3
K-K	0	1.060	0.000	0.00	0.00	0.00	K2O
CA-K	4994	0.949	0.335	4.97	9.02	12.62	CAO
FE-K	3946	1.399	0.390	4.13	10.50	15.00	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.666	61.75	44.82		

IN FLEXTRAN [13-R]

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.66	Si+4	8.0000	8.0000							
Al2O3	1.13	Al+3	0.1993	0.0000	0.1993						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	15	Fe+3	0.0236			0.0236	0.0000				
MgO	13.58	Mg+2	2.8757			2.8757	0.0000				
MnO	0	Fe+2	1.7622			1.7622	0.0000				
CaO	12.62	Mn+2	0.0000			0.0000	0.0000				
Na2O	0	Ca+2	1.9220					1.9220	0.0000		
K2O	0	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	99.99		Excess	T site	0.1993	C site	0.0000	B site	0	A site	0
			Total	8		4.8607		1.9220		0.0000	0.0000
			%Fill	100		97.2134		96.0983			

Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

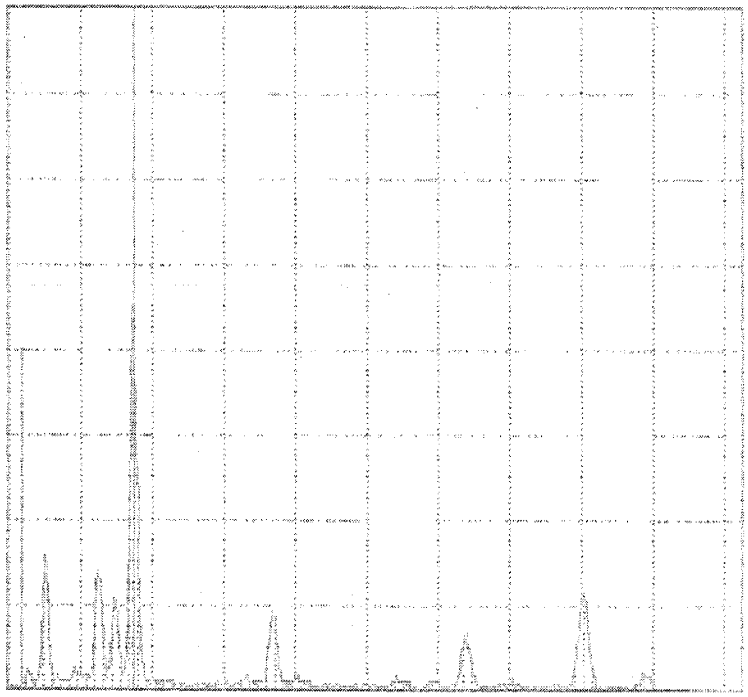
Sample # 041191-23-682

Values		Satisfied Conditions
(Ca,Na)@B	1.92	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.92	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.62	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

TN-5500 University of Washington / JEOL TUE 26-OCT-04 14:35

Cursor: 1.740KeV : 597



0.000 B- 5 VFS = 1024 10.240

23 041191-23 SP 683

SQMTF: QUANTIFY
Standardless Analysis

Refit _NAK' _NAK"
Refit _MGK' _ALK" _K K" _CAK" _FEK" _NAK
Refit _MGK"
Chi-sqd = 2.11

Element	Net Counts	
Si-K	6828 +/-	143
Mg-K	2139 +/-	53
Al-K	1583 +/-	58
K -K	150 +/-	25
Ca-K	1715 +/-	51
Fe-K	1389 +/-	52
Na-K	0 +/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-23 SP 683

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	6828	1.000	1.000	20.42	26.57	56.94	SIO2
MG-K	2139	1.000	0.313	7.46	8.33	13.88	MGO
AL-K	1583	0.750	0.174	3.68	4.62	8.73	AL2O3
K-K	150	1.060	0.023	0.34	0.62	0.75	K2O
CA-K	1715	0.949	0.239	3.41	6.34	8.88	CAO
FE-K	1389	1.399	0.285	2.91	7.57	10.82	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.729	61.77	45.94		

SQMTF: QUANTIFY
Standardless Analysis

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.94	Si+4	7.6782	7.6782							
Al2O3	8.73	Al+3	1.3874	0.3218	1.0655						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	10.82	Fe+3	0.5270			0.5270	0.0000				
MgO	13.88	Mg+2	2.7903			2.7903	0.0000				
MnO	0	Fe+2	0.6344			0.6171	0.0173				
CaO	8.88	Mn+2	0.0000			0.0000	0.0000				
Na2O	0	Ca+2	1.2829					1.2829	0.0000		
K2O	0.75	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.1290							0.1290	0.0000
Total	100		Excess	T site	1.0655	C site	0.0173	B site	0	A site	0
			Total	8		5.0000		1.2829		0.1290	0.0000
Prefix	Alumino		%Fill	100		100		64.1426			

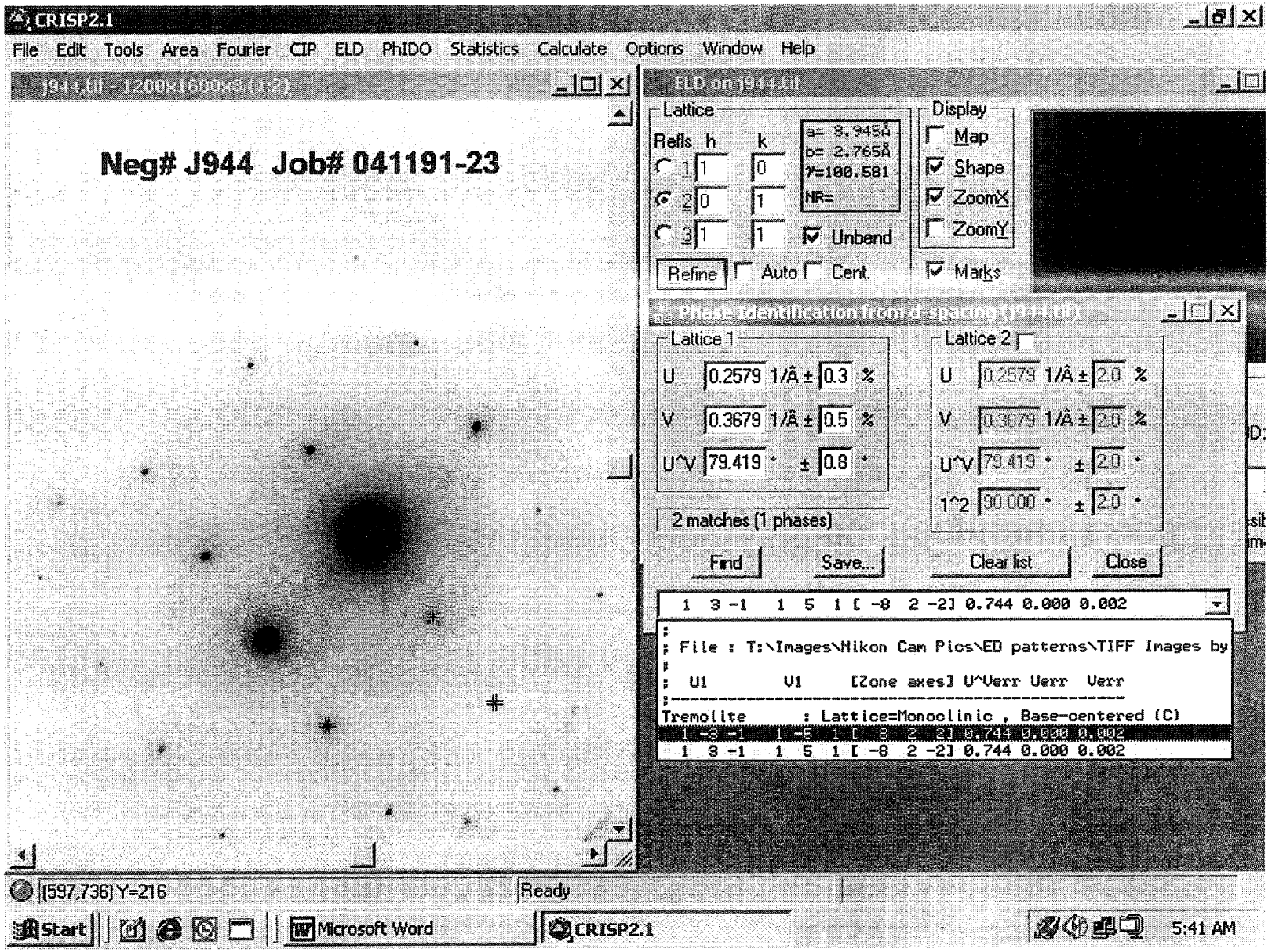
Name probable actinolite Ca values below optimal levels
Modifier none
Group Calcic Amphibole

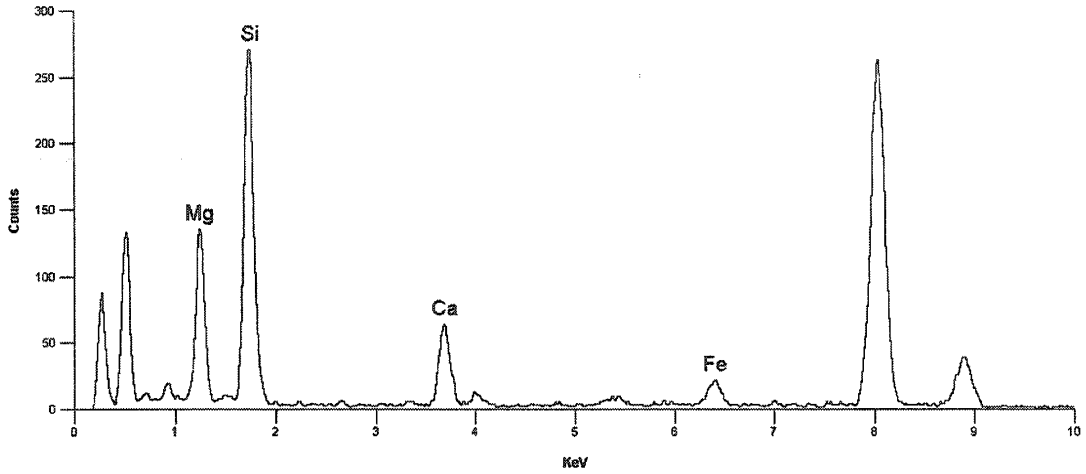
Sample # 041191-23-683

Values		Satisfied Conditions
(Ca,Na)@B	1.28	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	1 < Ca@B < 1.5 and (Na,K)@A < 0.5
Ca@B	1.28	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.13	Si > 7.5
Mg/(Mg+Fe2)	0.81	(Mg/(Mg+Fe2))< 0.9
Si	7.68	

Mineral Analysis Program (Version 5.0)

TREMOLITE
[4 1 1]





Quantitative Analysis Results - Standardless Analysis :
Spectrum1 041191-23 SP688 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 1570.18
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	11.22	MgO	21.09	2.53	21.09
Si	20.76	SiO2	58.17	5.11	58.17
Ca	5.55	CaO	14.51	2.13	14.51
Fe	1.67	Fe2O3	6.22	1.77	6.22
<Total>	100.00		100.00		100.00

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	58.17	Si+4	7.9380	7.9380							
Al2O3	0	Al+3	0.0000	0.0000	**0.0000**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	6.22	Fe+3	0.0064			0.0064	0.0000				
MgO	21.09	Mg+2	4.2905			4.2905	**0.0000**				
MnO	0	Fe+2	0.7027			0.7027	**0.0000**				
CaO	14.51	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	2.1213					2.0000	0.1213		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	99.99		Excess	T site	**0.0000**	C site	**0.0000**	B site	**0.1212886**	A site	**0**
			Total	**7.938**		**4.9996**		**2.0000**		**0.0000**	**0.0000**
			%Fill	**99.225**		**99.9915**		**100**			

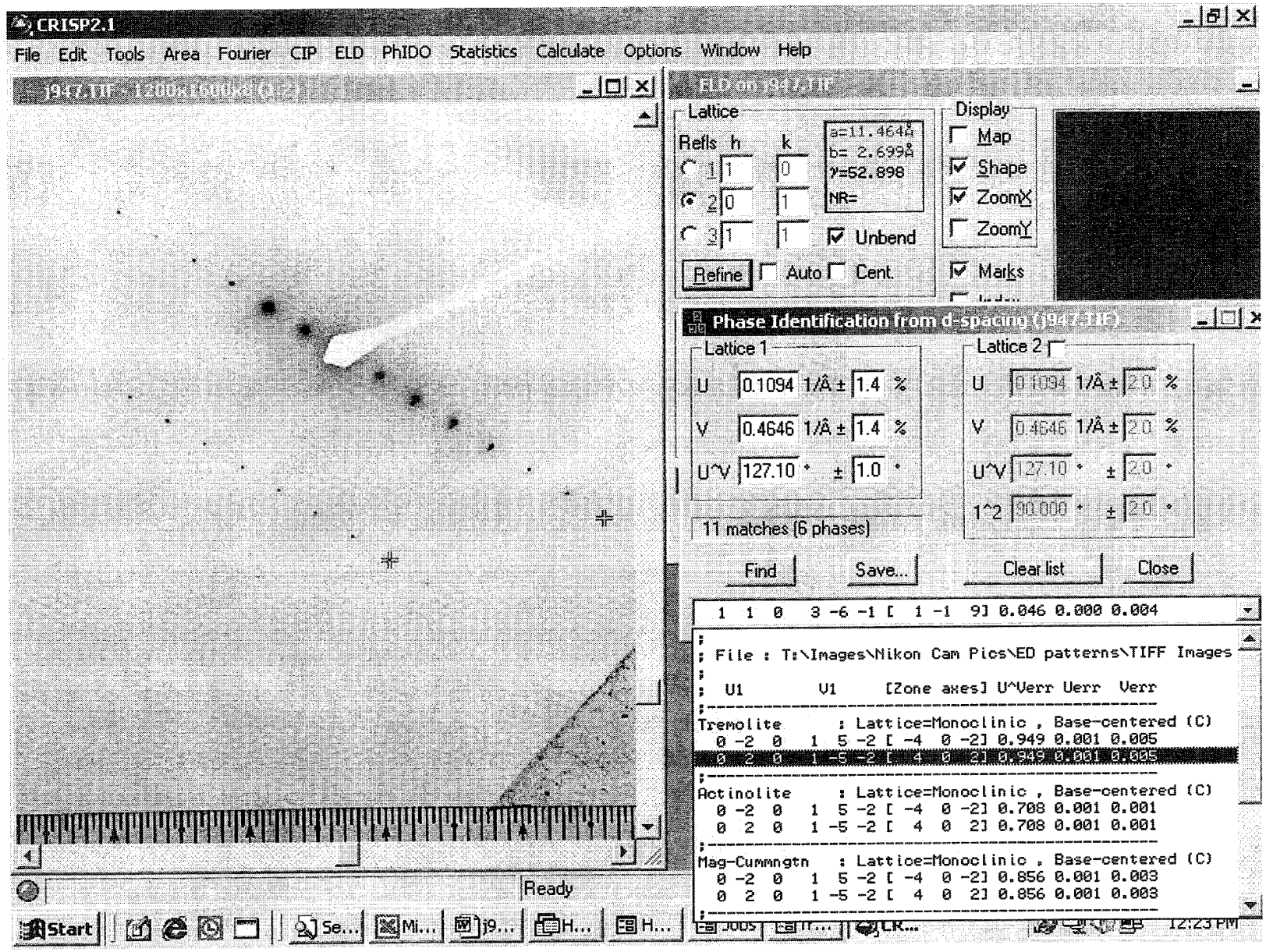
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # **041191-23-688**

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.86	(Mg/(Mg+Fe2))< 0.9
Si	7.94	

Mineral Analysis Program (Version 5.0)

Neg# J947 Job# 041191-25
TREMOLITE
[2 0 1]



TN-5500 University of Washington / JFW TH1 28-OCT-04 0/135
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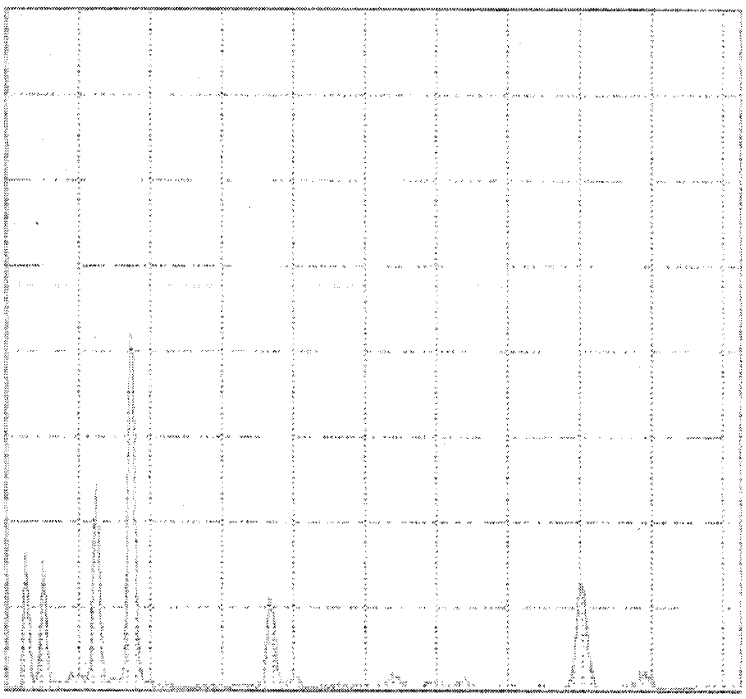


0.000 VFS = 1024 10.240

0 041191-25 SP 690

SQMTF: QUANTIFY
Standardless Analysis

Refit _ALK' _ALK" _K K' _K K" _NAK' _NAK"
Refit _ALK _K K _FEK" _NAK
Chi-sqd = 1.75

Element	Net Counts	
Si-K	6148 +/-	104
Mg-K	2995 +/-	79
Al-K	0 +/-	0
K -K	0 +/-	0
Ca-K	2012 +/-	89
Fe-K	196 +/-	29
Na-K	0 +/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-25 SP 690

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	FL WT%	WT%	FORMULA
SI-K	6148	1.000	1.000	21.61	28.95	42.03	SIO2
MG-K	2995	1.000	0.487	12.28	14.11	23.51	MGO
AL-K	0	0.750	0.000	0.00	0.00	0.00	AL2O3
K-K	0	1.060	0.000	0.00	0.00	0.00	K2O
CA-K	2012	0.949	0.311	4.70	9.00	12.60	CAO
FE-K	196	1.399	0.045	0.48	1.29	1.85	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.611	60.92	46.65		

1,30
*
0,0
*

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	62.03	Si+4	8.0000	8.0000							
Al2O3	0	Al+3	0.0000	0.0000	0.0000						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	1.85	Fe+3	0.0344			0.0344	0.0000				
MgO	23.51	Mg+2	4.6983			4.6983	0.0000				
MnO	0	Fe+2	0.2255			0.2255	0.0000				
CaO	12.6	Mn+2	0.0000			0.0000	0.0000				
Na2O	0	Ca+2	1.8331					1.8331	0.0000		
K2O	0	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	99.99		Excess	T site	0.0000	C site	0.0000	B site	0	A site	0
			Total	8		4.9582		1.8331		0.0000	0.0000
			%Fill	100		99.1637		91.653			

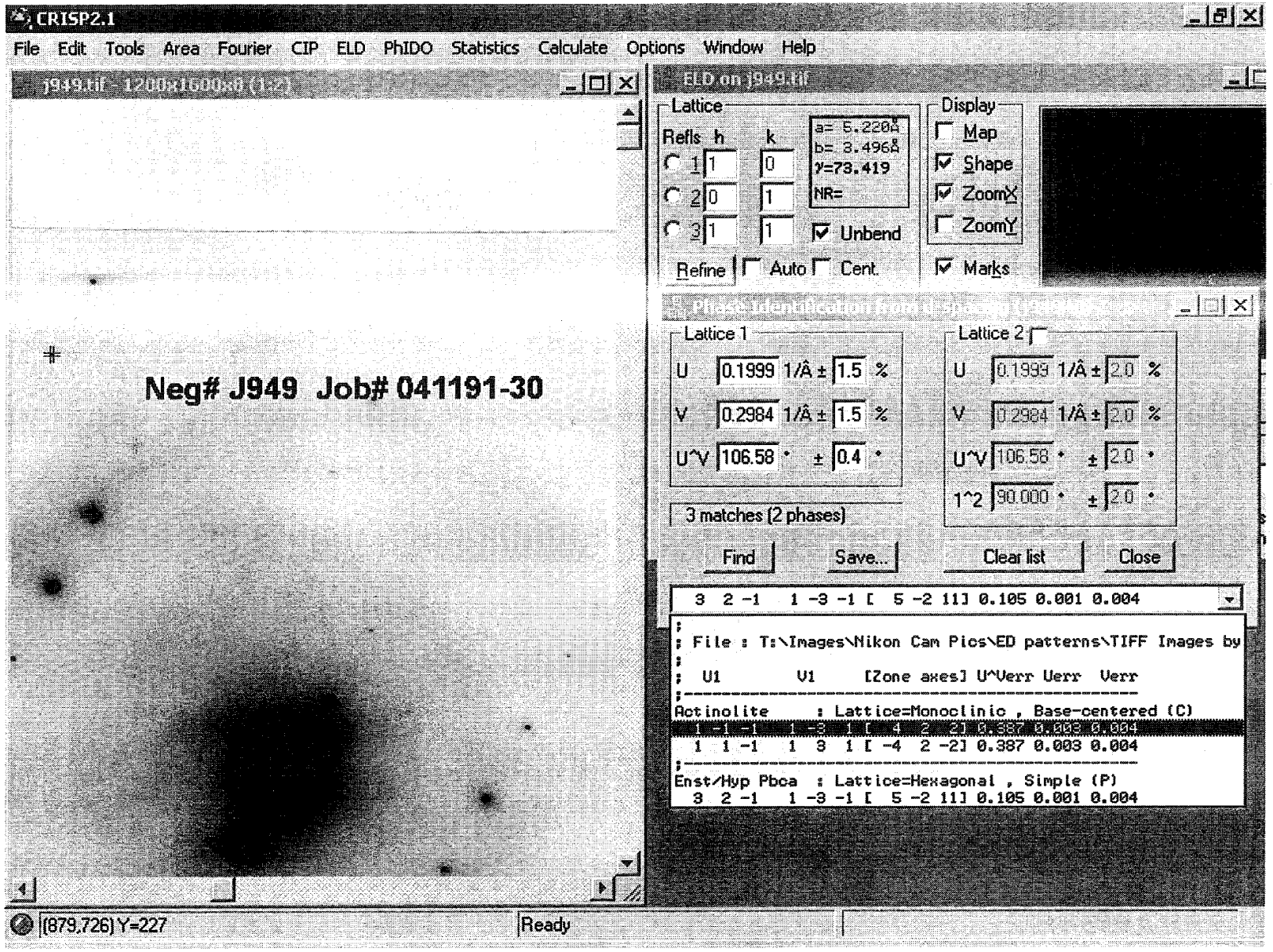
Prefix	none
Name	tremolite
Modifier	none
Group	Calcic Amphibole

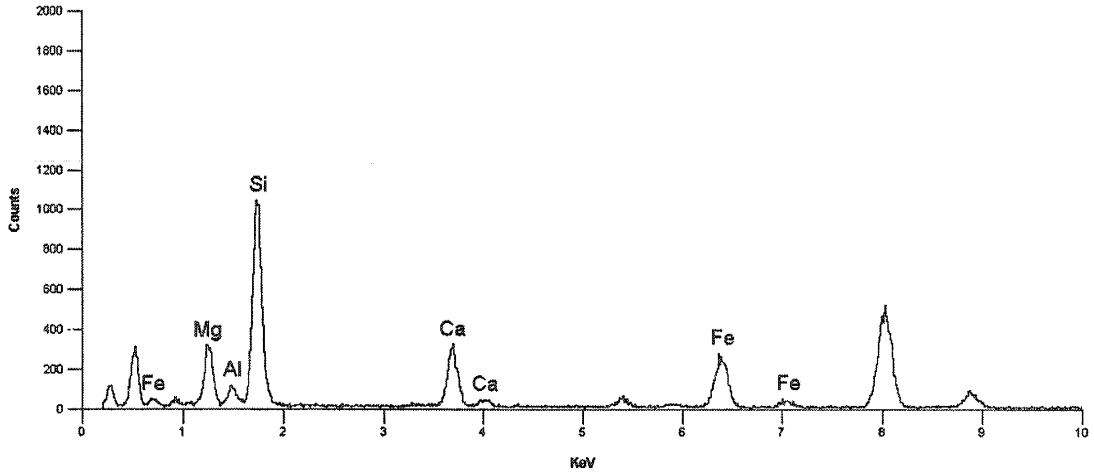
Sample # 041191-25-690

Values		Satisfied Conditions
(Ca,Na)@B	1.83	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.83	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.95	(Mg/(Mg+Fe2))>= 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[2 1 1]





Quantitative Analysis Results - Standardless Analysis :
Spectrum1 041191-30 SP691 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 1515.00
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	4.59	MgO	8.36	0.66	8.36
Al	3.18	Al2O3	7.33	0.87	7.33
Si	20.73	SiO2	56.33	1.58	56.33
Ca	5.50	CaO	13.95	0.77	13.95
Fe	3.88	Fe2O3	14.03	0.99	14.03
<Total>	100.00		100.00		100.00

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.33	Si+4	7.8617	7.8617							
Al2O3	7.33	Al+3	1.2056	0.1383	**1.0673**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	14.03	Fe+3	0.0147			0.0147	0.0000				
MgO	8.36	Mg+2	1.7394			1.7394	**0.0000**				
MnO	0	Fe+2	1.6210			1.6210	**0.0000**				
CaO	13.95	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	2.0858					2.0000	0.0858		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	100		Excess	T site	1.0673	C site	0.0000	B site	0.0857892	A site	0
			Total	8		4.4424		2.0000		0.0000	0.0000
			%Fill	100		88.8476		100			

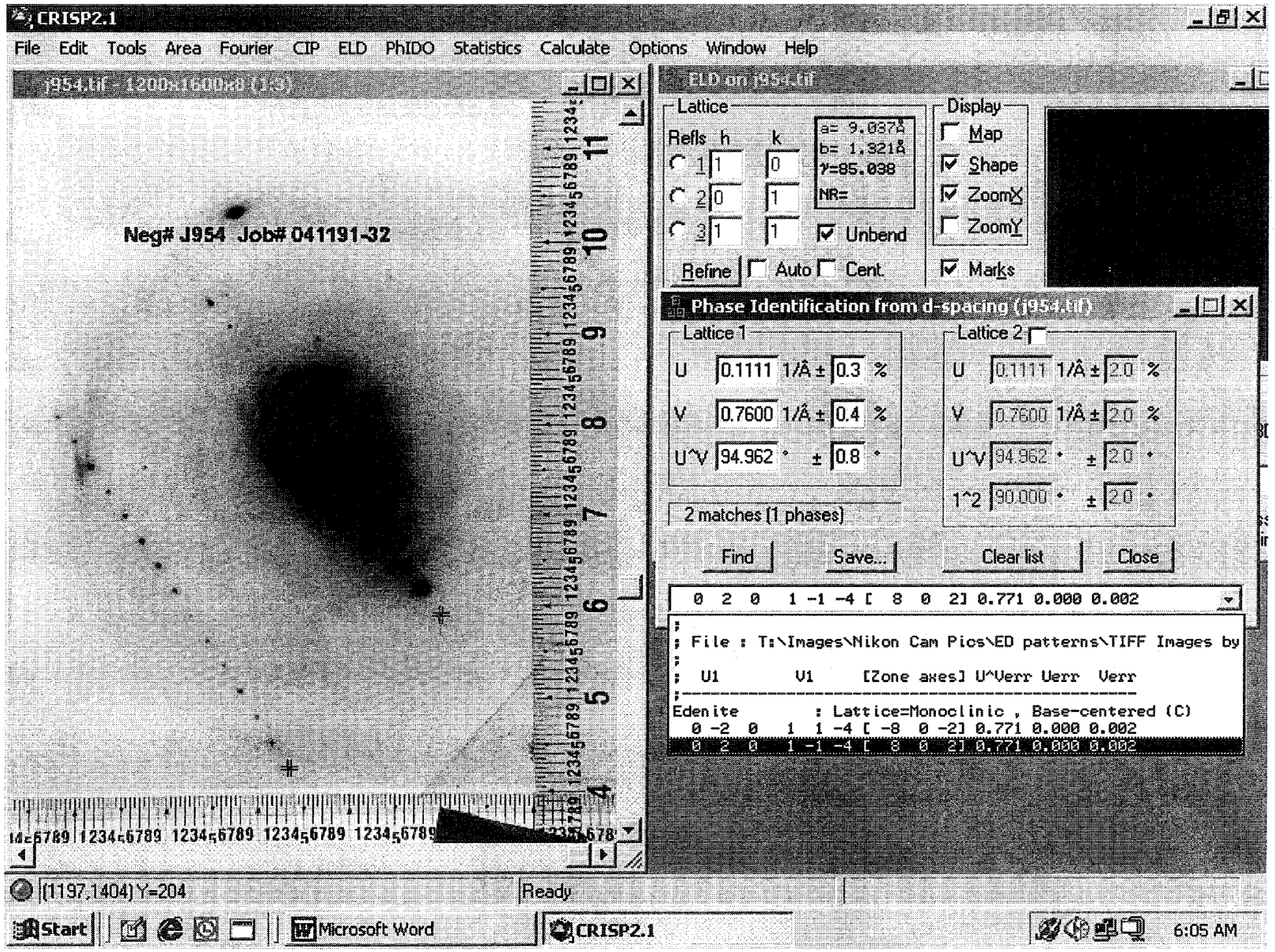
Prefix	Alumino
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-30-691

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.52	(Mg/(Mg+Fe2))< 0.9
Si	7.86	

Mineral Analysis Program (Version 5.0)

EDENITE
[401]


CRISP2.1
File Edit Tools Area Fourier CIP ELD PhIDO Statistics Calculate Options Window Help
j954.tif - 1200x1600x8 (1:3)
Neg# J954 Job# 041191-32
ELD on j954.tif
Lattice
Refls h k
a= 9.037Å
b= 1.321Å
γ=85.038
NR=
Unbend
Refine Auto Cent.
Display
Map
Shape
ZoomX
ZoomY
Marks
Phase Identification from d-spacing (j954.tif)
Lattice 1
U 0.1111 1/Å ± 0.3 %
V 0.7600 1/Å ± 0.4 %
U^V 94.962 ° ± 0.8 °
Lattice 2
U 0.1111 1/Å ± 2.0 %
V 0.7600 1/Å ± 2.0 %
U^V 94.962 ° ± 2.0 °
1^2 90.000 ° ± 2.0 °
2 matches (1 phases)
Find Save... Clear list Close
0 2 0 1 -1 -4 [8 0 2] 0.771 0.000 0.002
; File : T:\Images\Nikon Cam Pics\ED patterns\TIFF Images by
; U1 V1 [Zone axes] U^Verr Uerr Verr
Edenite : Lattice=Monoclinic , Base-centered (C)
0 -2 0 1 1 -4 [-8 0 -2] 0.771 0.000 0.002
0 2 0 1 -1 -4 [8 0 2] 0.771 0.000 0.002
(1197,1404) Y=204
Ready
Start
Microsoft Word
CRISP2.1
6:05 AM

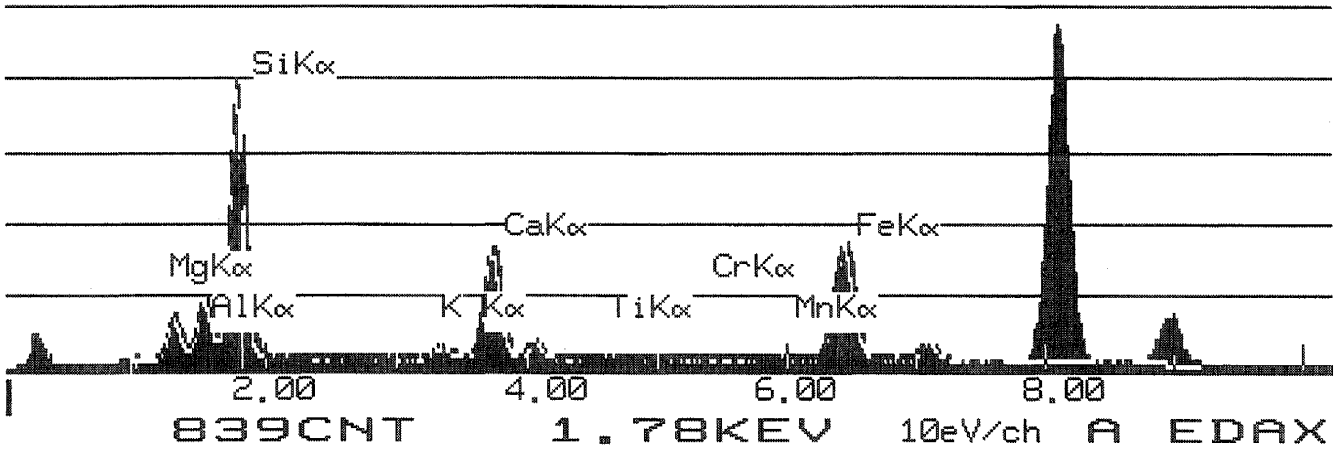
INTE-% :
LABEL = 041191-32 15261
06-JAN-73 03:14:24
25.032 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
NAK	1.448	0.309	0.417
MGK	52.892	5.336	8.848
ALK	80.336	4.868	9.199
SIK	369.841	20.985	44.894
K K	17.937	1.691	2.037
CAK	174.055	9.416	13.175
FEK	208.570	14.989	21.430

TOTAL			100.000

USED PEIF: USER

05-JAN-05 03:14:44 SUPER QUANT
RATE=****CPS TIME= 25LSEC
FS= 2314/ 2314 PRST= 200LSEC
A =041191-32 15261



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	44.894	Si+4	6.7359	6.7359							
Al2O3	9.199	Al+3	1.6266	1.2641	**0.3625**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	21.43	Fe+3	0.1210			0.1210	0.0000				
MgO	8.848	Mg+2	1.9792			1.9792	**0.0000**				
MnO	0	Fe+2	2.5542			2.5373	**0.0169**				
CaO	13.175	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.417	Ca+2	2.1178					1.9831	0.1347		
K2O	2.037	Na+	0.1213					0.0000	**0.1213**	0.1213	0.0000
		K+	0.3899							0.3899	0.0000
Total	**100**		**Excess**	T site	**0.3625**	C site	**0.0169**	B site	**0.2559872**	A site	**0**
			Total	**8**		**5.0000**		**1.9831**		**0.5112**	**0.0000**
			%Fill	**100**		**100**		**99.155**			

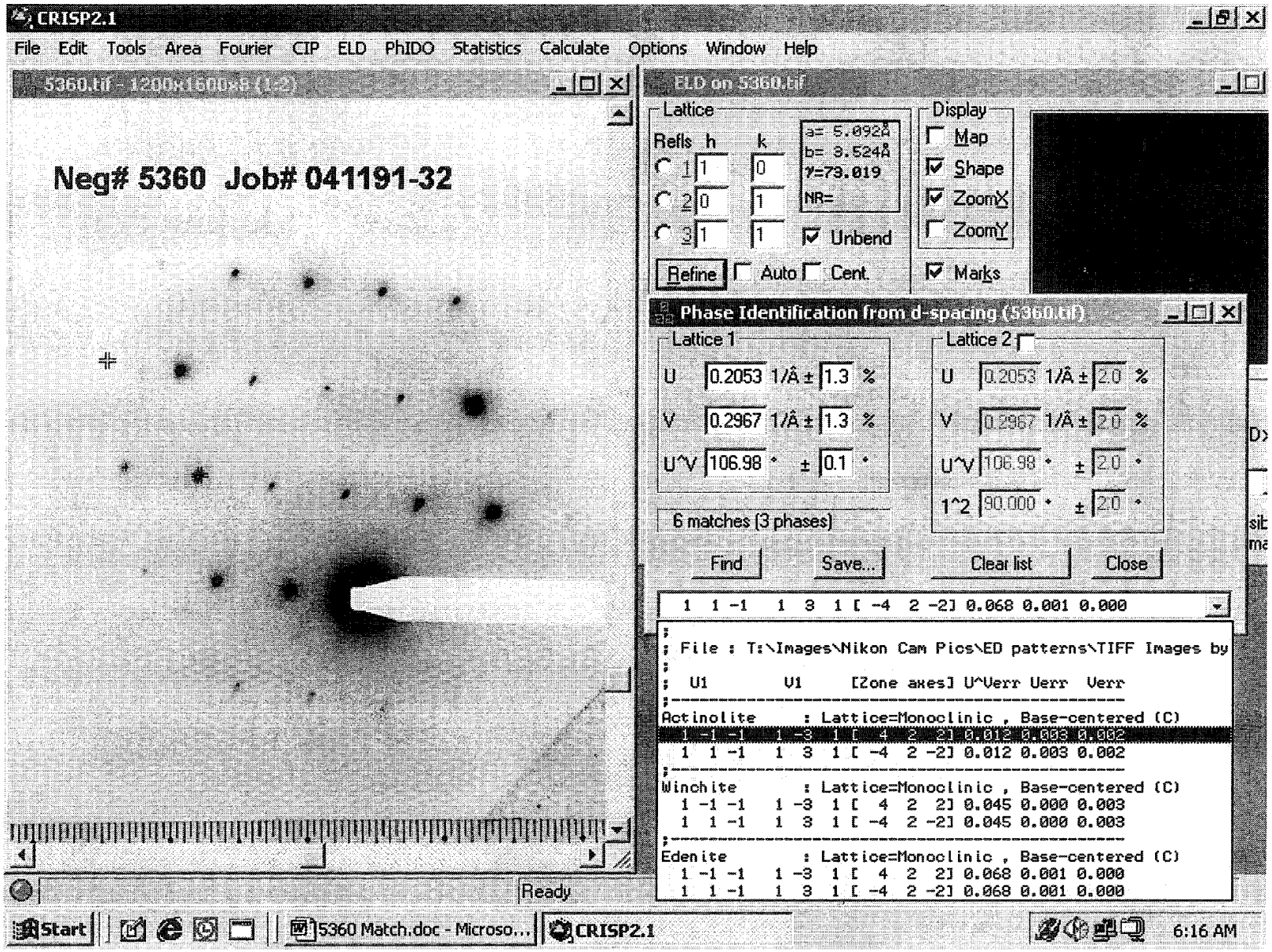
Prefix Alumino
Name ferro-edenite
Modifier Potassian
Group **Calcic Amphibole**

Sample # **000000-00-00-00**

Values		**Satisfied Conditions**
(Ca,Na)@B	**1.98**	**(Ca,Na)@B >= 1 and Na@B < 0.5**
Na@B	**0.00**	**Ca@B >= 1.5 and (Na,K)@A >= 0.5**
Ca@B	**1.98**	**(Mg/(Mg+Fe2))< 0.5**
(Na,K)@A	**0.51**	**Si > 6.5**
Mg/(Mg+Fe2)	**0.44**	
Si	**6.74**	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[2 1 1]

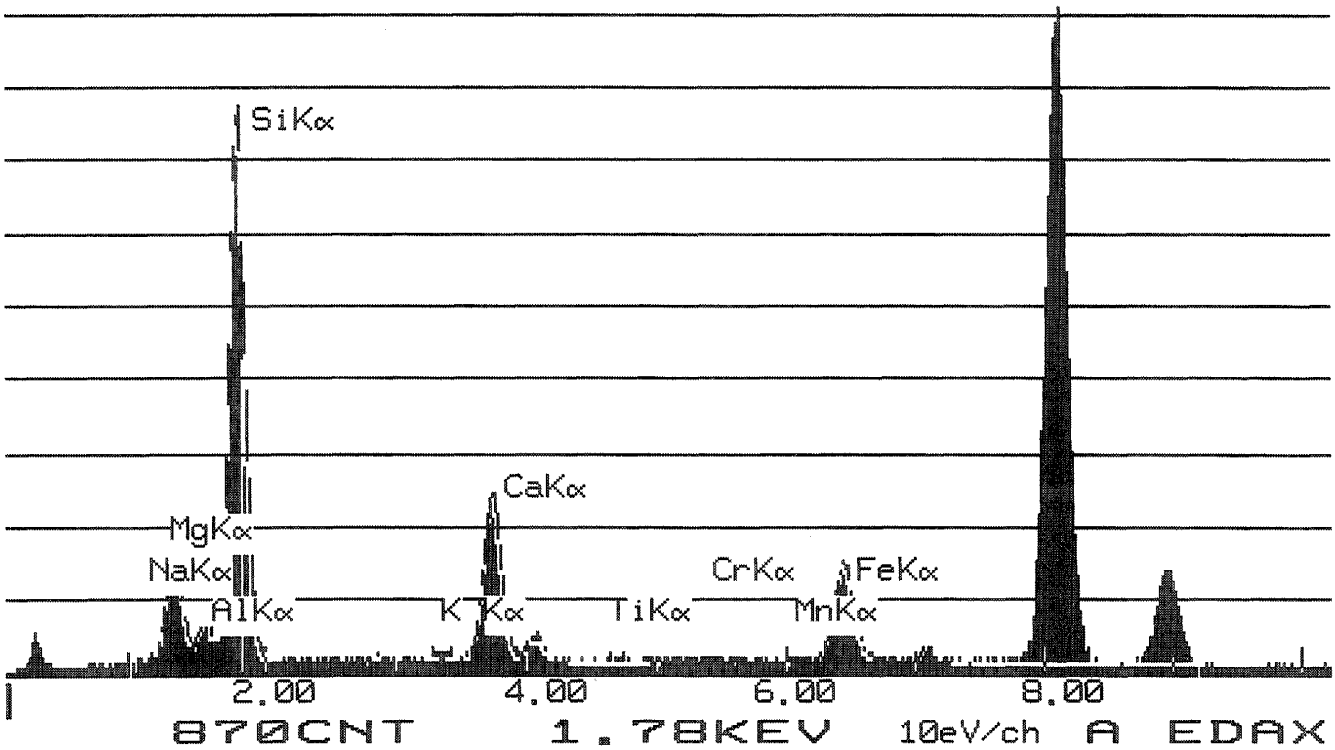


INTE-% :
LABEL = 041191-32 15262
06-JAN-73 04:03:51
20.956 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	107.176	10.138	16.810
ALK	27.343	1.554	2.936
SIK	501.954	26.705	57.131
K K	4.247	0.375	0.452
CAK	171.167	8.682	12.148
FEK	109.228	7.360	10.523
TOTAL			100.000

USED PEIF: USER

05-JAN-05 04:04:38 SUPER QUANT
RATE=58926CPS TIME= 21LSEC
FS= 1293/ 1293 PRST= 200LSEC
A =041191-32 15262



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.131	Si+4	7.8778	7.8778							
Al2O3	2.936	Al+3	0.4771	0.1222	**0.3549**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	10.523	Fe+3	0.0655			0.0655	0.0000				
MgO	16.81	Mg+2	3.4556			3.4556	**0.0000**				
MnO	0	Fe+2	1.1405			1.1240	**0.0166**				
CaO	12.148	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7946					1.7946	0.0000		
K2O	0.452	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0795							0.0795	0.0000
Total	100		Excess	T site	**0.3549**	C site	**0.0166**	B site	**0**	A site	**0**
			Total	8		5.0000		1.7946		0.0795	0.0000
			%Fill	100		100		89.7284			

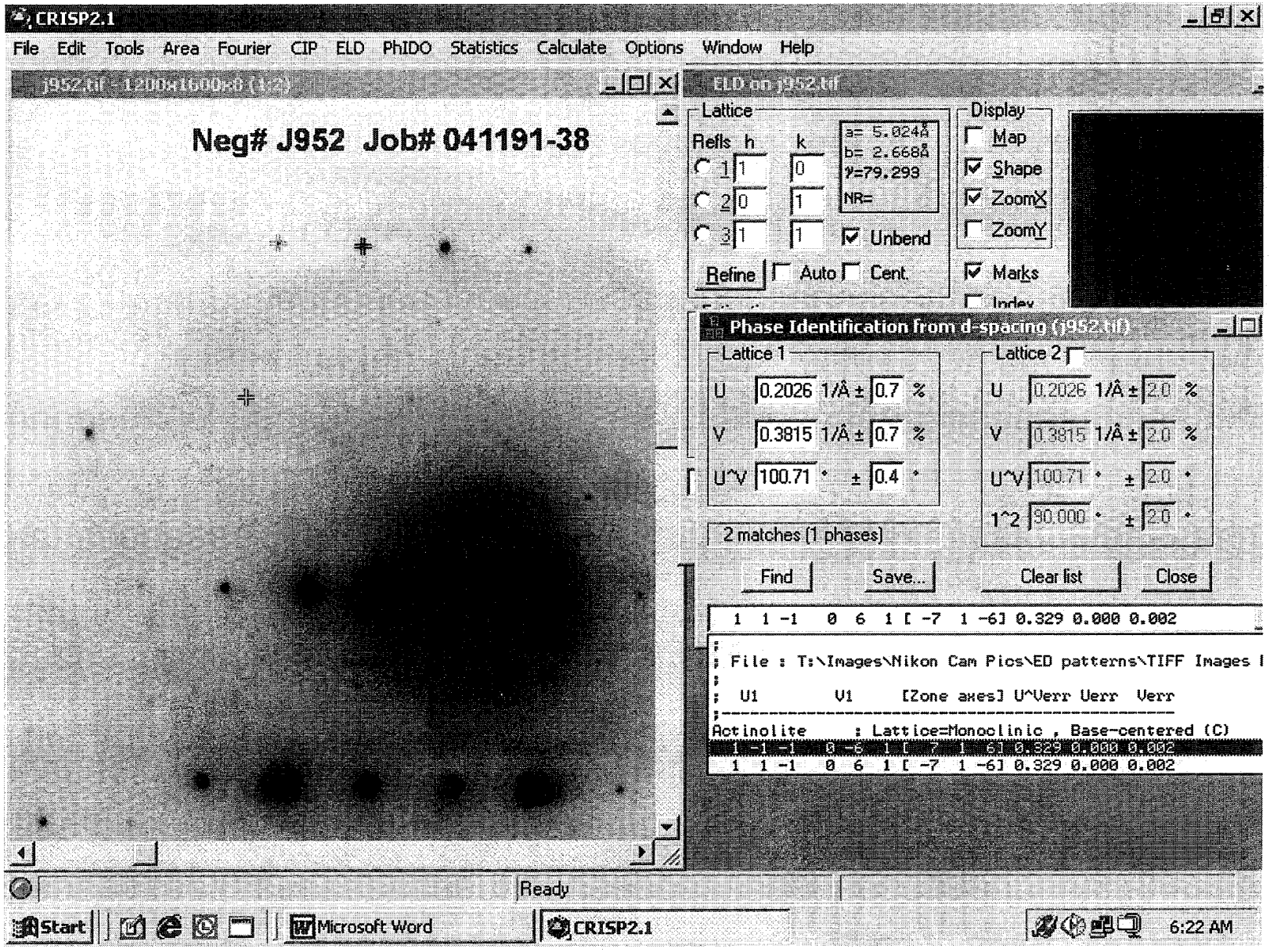
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

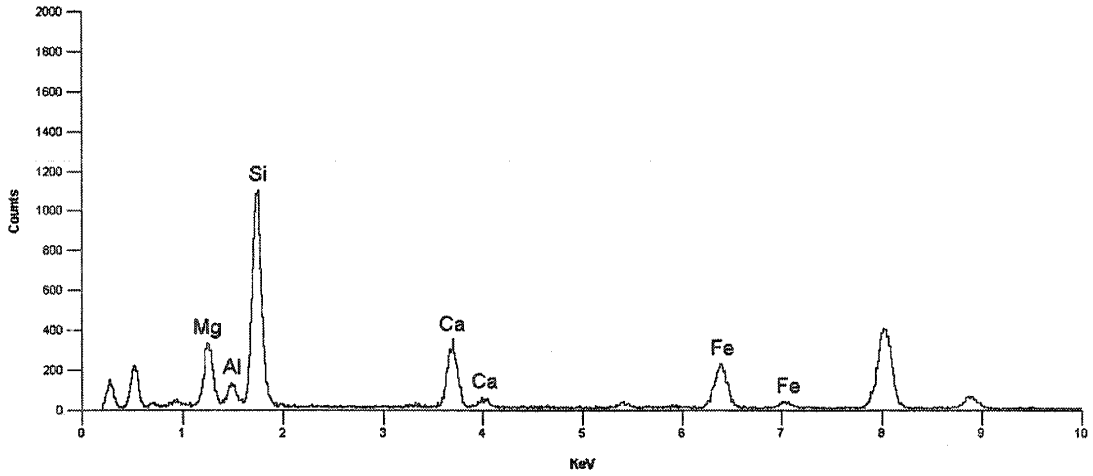
Sample # 041191-32

Values		Satisfied Conditions
(Ca,Na)@B	1.79	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.79	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.08	Si > 7.5
Mg/(Mg+Fe2)	0.75	(Mg/(Mg+Fe2))< 0.9
Si	7.88	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[7 1 6]





Quantitative Analysis Results - Standardless Analysis :
Spectrum1 041191-38 SP693 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 1575.22
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	4.66	MgO	8.61	0.66	8.61
Al	3.46	Al2O3	8.08	0.89	8.08
Si	21.22	SiO2	58.42	1.54	58.42
Ca	5.58	CaO	14.33	0.75	14.33
Fe	2.89	Fe2O3	10.56	0.88	10.56
<Total>	100.00		100.00		100.00

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	58.42	Si+4	7.9898	7.9898							
Al2O3	8.08	Al+3	1.3023	0.0102	1.2921						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	10.56	Fe+3	0.0109			0.0109	0.0000				
MgO	8.61	Mg+2	1.7555			1.7555	0.0000				
MnO	0	Fe+2	1.1956			1.1956	0.0000				
CaO	14.33	Mn+2	0.0000			0.0000	0.0000				
Na2O	0	Ca+2	2.0996					2.0000	0.0996		
K2O	0	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	100		Excess	T site	1.2921	C site	0.0000	B site	0.0996211	A site	0
			Total	8		4.2540		2.0000		0.0000	0.0000
			%Fill	100		85.0804		100			

Prefix	Alumino
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-38-693

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.59	(Mg/(Mg+Fe2))< 0.9
Si	7.99	

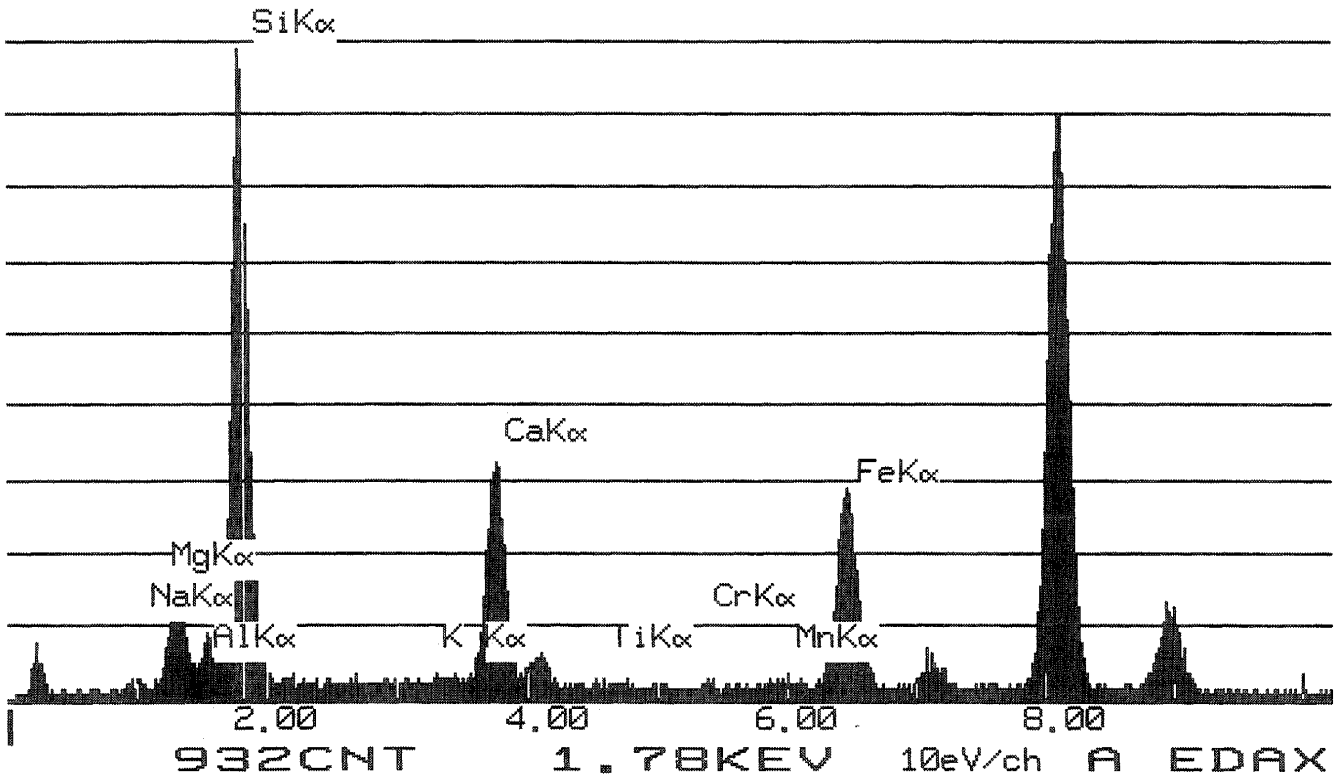
Mineral Analysis Program (Version 5.0)

INTE-% :
LABEL =
07-JAN-73 00:48:22
30.393 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	54.815	6.975	11.566
ALK	16.583	1.268	2.395
SIK	357.154	25.561	54.684
K K	1.645	0.196	0.236
CAK	141.085	9.627	13.470
FEK	136.182	12.344	17.649
TOTAL			100.000

USED PEIF: USER

06-JAN-05 00:50:27 SUPER QUANT
RATE= 3335CPS TIME= 30LSEC
FS= 1137/ 1137 PRST= 200LSEC
A =041191-41 15268



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.684	Si+4	7.8493	7.8493							
Al2O3	2.395	Al+3	0.4051	0.1507	0.2544						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	17.649	Fe+3	0.0191			0.0191	0.0000				
MgO	11.566	Mg+2	2.4750			2.4750	0.0000				
MnO	0	Fe+2	2.0971			2.0971	0.0000				
CaO	13.47	Mn+2	0.0000			0.0000	0.0000				
Na2O	0	Ca+2	2.0714					2.0000	0.0714		
K2O	0.236	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0432							0.0432	0.0000
Total	100		Excess	T site	0.2544	C site	0.0000	B site	0.0713764	A site	0
			Total	8		4.8456		2.0000		0.0432	0.0000
			%Fill	100		96.9128		100			

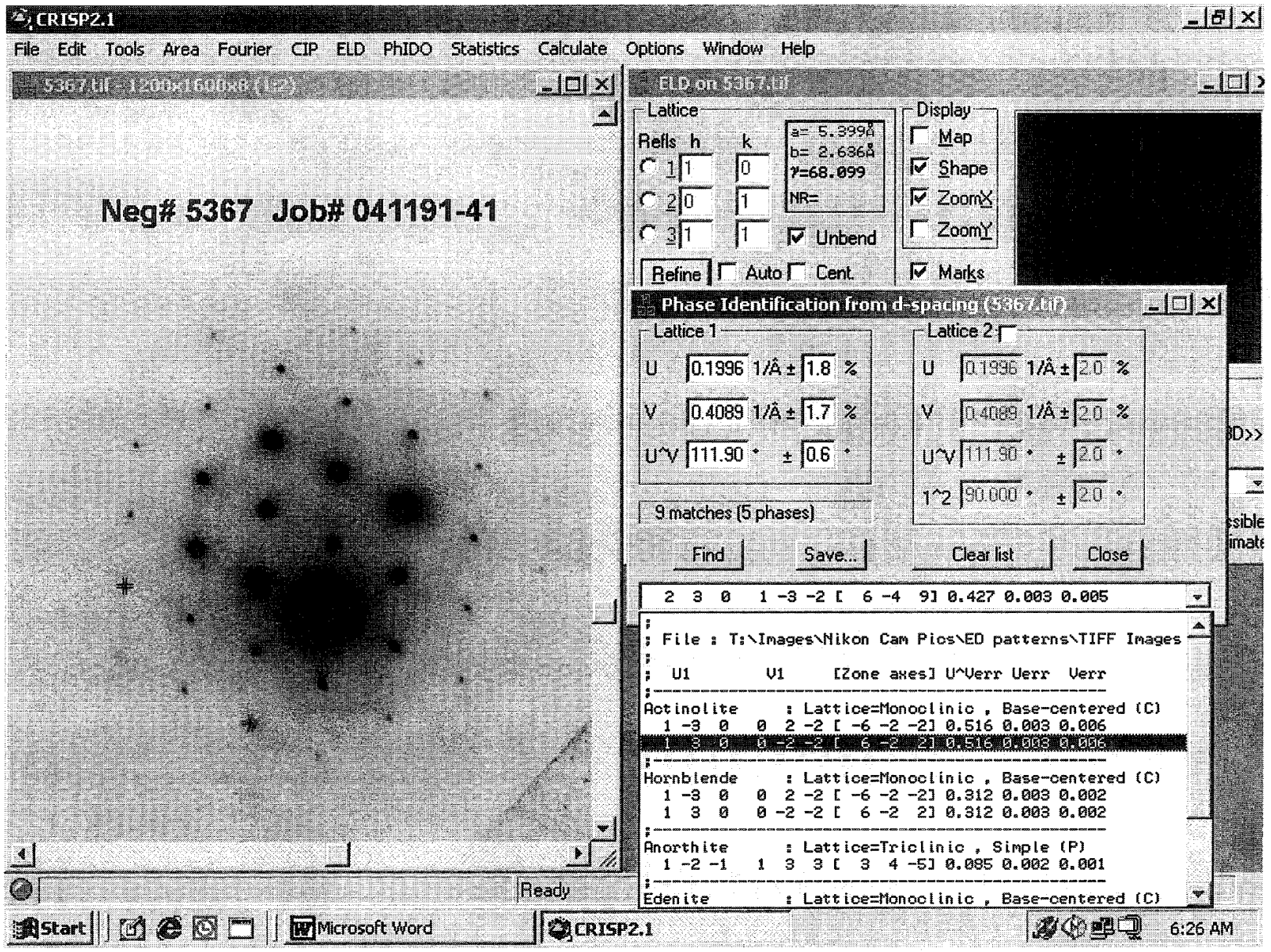
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-41-15268

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.04	Si > 7.5
Mg/(Mg+Fe2)	0.54	(Mg/(Mg+Fe2))< 0.9
Si	7.85	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 -1 1]

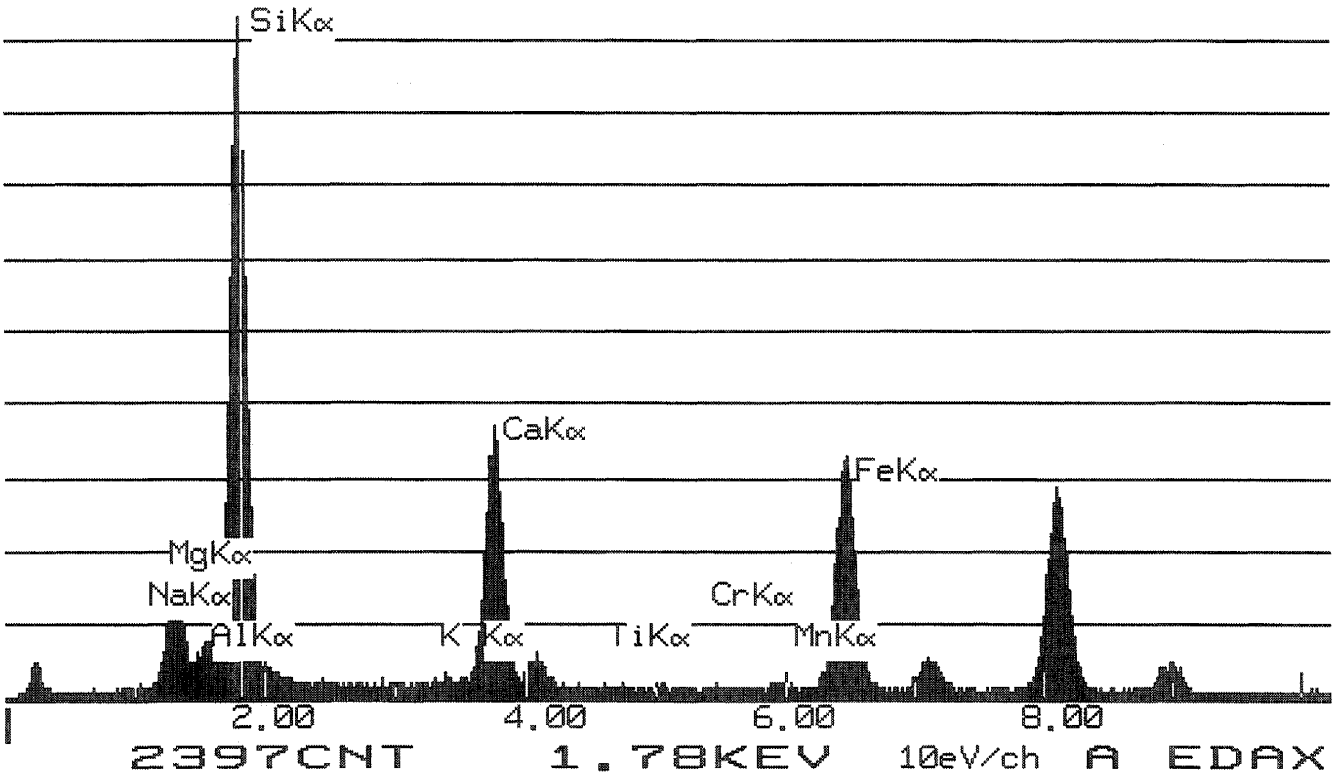


INTE-% :
LABEL = 041191-41 15268
07-JAN-73 02:35:31
29.724 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	145.238	7.466	12.380
ALK	44.476	1.373	2.595
SIK	839.431	24.271	51.924
CAK	367.249	10.124	14.165
FEK	361.664	13.244	18.936
TOTAL			100.000

USED PEIF: USER

06-JAN-05 02:36:37 SUPER QUANT
RATE= 2331CPS TIME= 30LSEC
FS= 2588/ 2588 PRST= 200LSEC
A =41191-41 15269



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	51.924	Si+4	7.5553	7.5553							
Al2O3	2.595	Al+3	0.4450	0.4447	0.0003						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	18.936	Fe+3	0.0622			0.0622	0.0000				
MgO	12.38	Mg+2	2.6855			2.6855	0.0000				
MnO	0	Fe+2	2.2349			2.2349	0.0000				
CaO	14.165	Mn+2	0.0000			0.0000	0.0000				
Na2O	0	Ca+2	2.2081					2.0000	0.2081		
K2O	0	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	100		Excess	T site	0.0003	C site	0.0000	B site	0.2081298	A site	0
			Total	8		4.9829		2.0000		0.0000	0.0000
			%Fill	100		99.6586		100			

Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

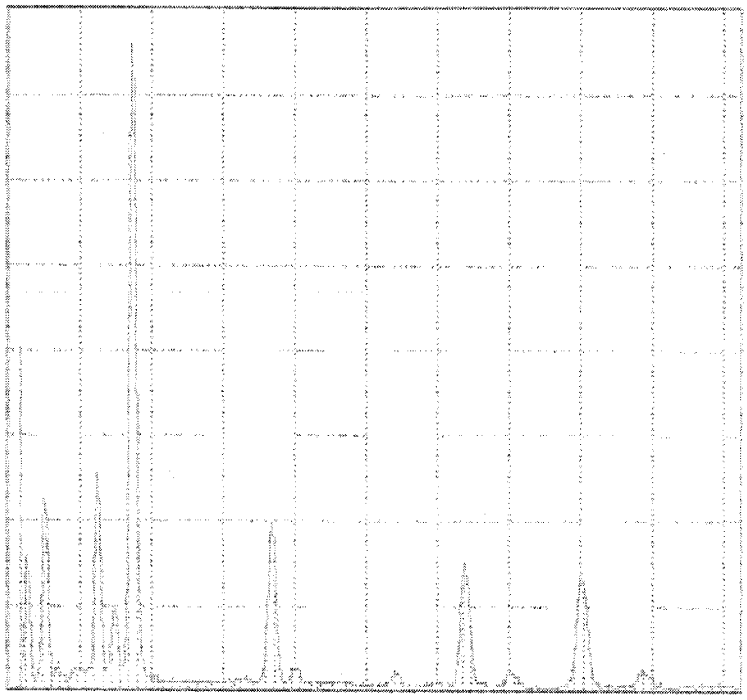
Sample # 041191-41-15269

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.55	(Mg/(Mg+Fe2))< 0.9
Si	7.56	

Mineral Analysis Program (Version 5.0)

TN-5500 University of Washington / JEO SAT 30-OCT-04 08:16

Cursor: 0.000keV = 0



0.000 8- 5 VFS = 1024 10.240

5V 1024chans 24XDI RI= 0sec 0.010keV

XX 'SQMTF'
SQMTF: QUANTIFY
Standardless Analysis

Chi-sqd = 2.67

Element	Net Counts		
Si-K	10941	+/-	196
Mg-K	2904	+/-	187
Al-K	1143	+/-	240
K -K	96	+/-	66
Ca-K	3677	+/-	119
Fe-K	3186	+/-	109
Na-K	132	+/-	94

REF.S EDS:SIK EDS:MAK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

EXEC(7-C) DATA LABEL C41191-42 SP 694

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	10941	1.000	1.000	20.79	26.40	56.57	SIO2
MG-K	2904	1.000	0.265	6.44	7.01	11.68	MGO
AL-K	1143	0.750	0.078	1.69	2.07	3.91	AL2O3
K-K	96	1.060	0.009	0.14	0.25	0.30	K2O
CA-K	3677	0.949	0.319	4.65	8.43	11.86	CAO
FE-K	3186	1.399	0.408	4.24	10.77	15.38	FE2O3
NA-K	132	0.549	0.007	0.17	0.18	0.36	NA2O3
O			1.701	61.89	44.90		

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.57	Si+4	7.9553	7.9553							
Al2O3	3.91	Al+3	0.6480	0.0447	**0.6033**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	15.38	Fe+3	0.0163			0.0163	0.0000				
MgO	11.68	Mg+2	2.4487			2.4487	**0.0000**				
MnO	0	Fe+2	1.7905			1.7905	**0.0000**				
CaO	11.8	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.36	Ca+2	1.7778					1.7778	0.0000		
K2O	0.3	Na+	0.0981					0.0981	**0.0000**	0.0000	0.0000
		K+	0.0538							0.0538	0.0000
Total	100		[illegible]	T site	[illegible]	C site	0.0000	B site	0	A site	0
		Total		8		4.8588		1.9759		0.0538	0.0000
		%Fill		100		97.1758		93.7959			

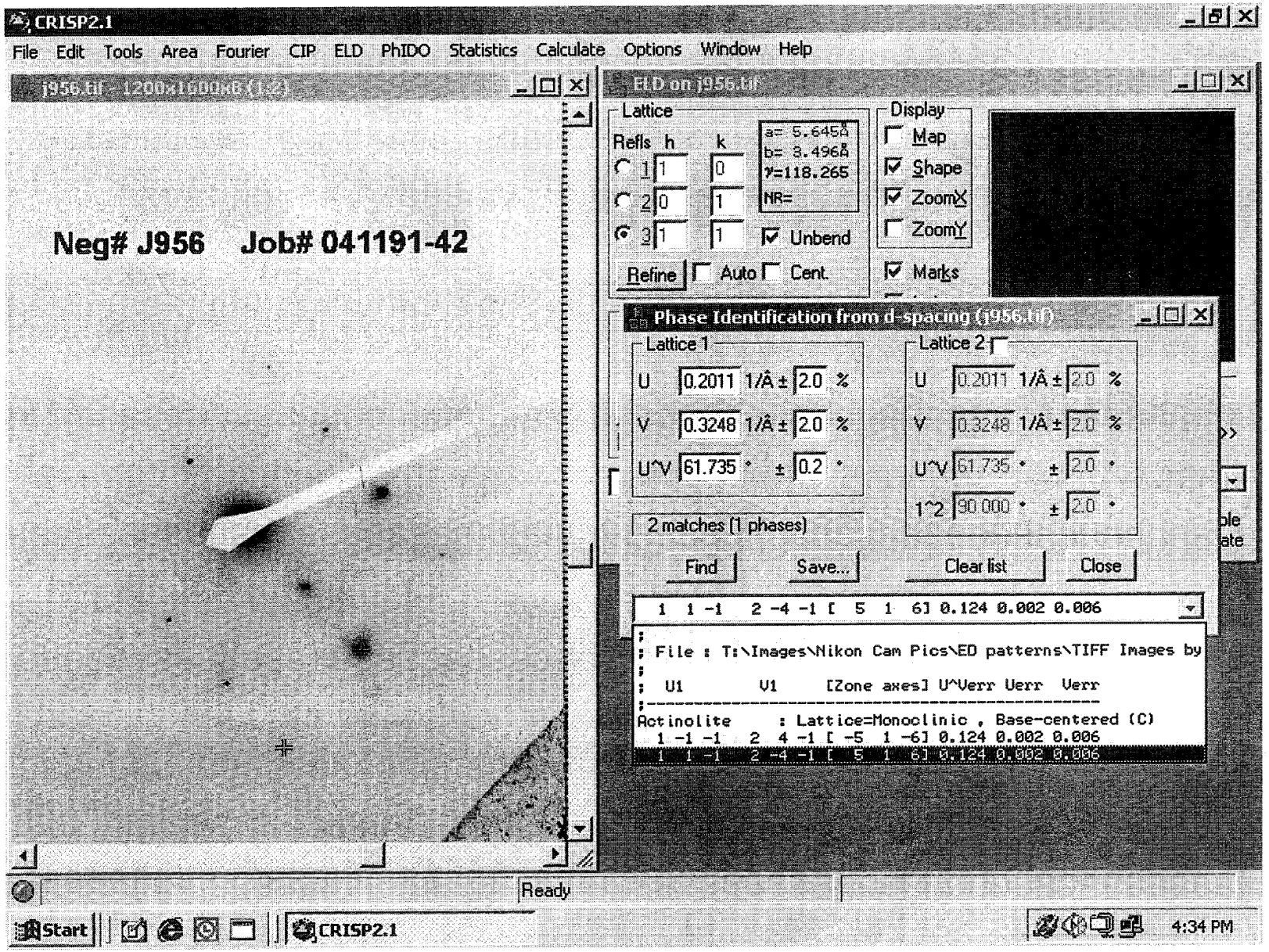
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # **041191-42-694**

Values		Satisfied Conditions
(Ca,Na)@B	1.88	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.10	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.78	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.05	Si > 7.5
Mg/(Mg+Fe2)	0.58	(Mg/(Mg+Fe2))< 0.9
Si	7.96	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[516]



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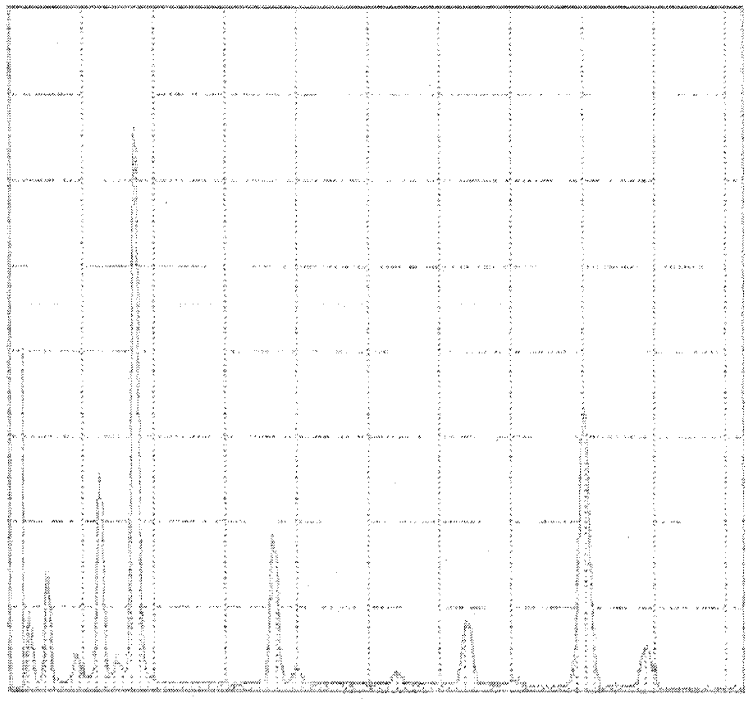


0.000 B- 5 VFS = 2048 10.240
164 041191-42 SP 695

*X 'SQMR\KTF'

TN FLEXTRAN [10-8]

*X 'SQMTF'
SQMTF: QUANTIFY
SQMTF - 35/80
Standardless Analysis

Refit _NAK' _NAK"
Refit _ALK' _ALK" _K K' _FEK" _NAK
Chi-sqd = 6.94

Element	Net Counts		
Si-K	19312	+/-	199
Mg-K	6840	+/-	157
Al-K	886	+/-	89
K -K	214	+/-	86
Ca-K	6511	+/-	162
Fe-K	3697	+/-	90
Na-K	0	+/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-42 SP 695

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	19312	1.000	1.000	21.22	27.44	58.81	SIO2
MG-K	6840	1.000	0.354	8.77	9.72	16.20	MGO
AL-K	886	0.750	0.034	0.76	0.95	1.79	AL2O3
K-K	214	1.060	0.012	0.18	0.32	0.39	K2O
CA-K	6511	0.949	0.320	4.76	8.79	12.31	CAO
FE-K	3697	1.399	0.268	2.84	7.36	10.51	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.655	61.47	45.42		

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	58.81	Si+4	8.0000	8.0000							
Al2O3	1.79	Al+3	0.2991	0.0000	0.2991						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	10.51	Fe+3	0.0165			0.0165	0.0000				
MgO	16.2	Mg+2	3.3449			3.3449	0.0000				
MnO	0	Fe+2	1.2095			1.2095	0.0000				
CaO	12.31	Mn+2	0.0000			0.0000	0.0000				
Na2O	0	Ca+2	1.8304					1.8304	0.0000		
K2O	0.09	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
[illegible]	[illegible]	[illegible]	[illegible]							0.0780	0.0000
[illegible]	[illegible]			[illegible]		[illegible] site	[illegible]	[illegible] site	0	A site	0
		Total		8		4.8699		1.8304		0.0780	0.0000
		%Fill		100		97.3989		91.5181			

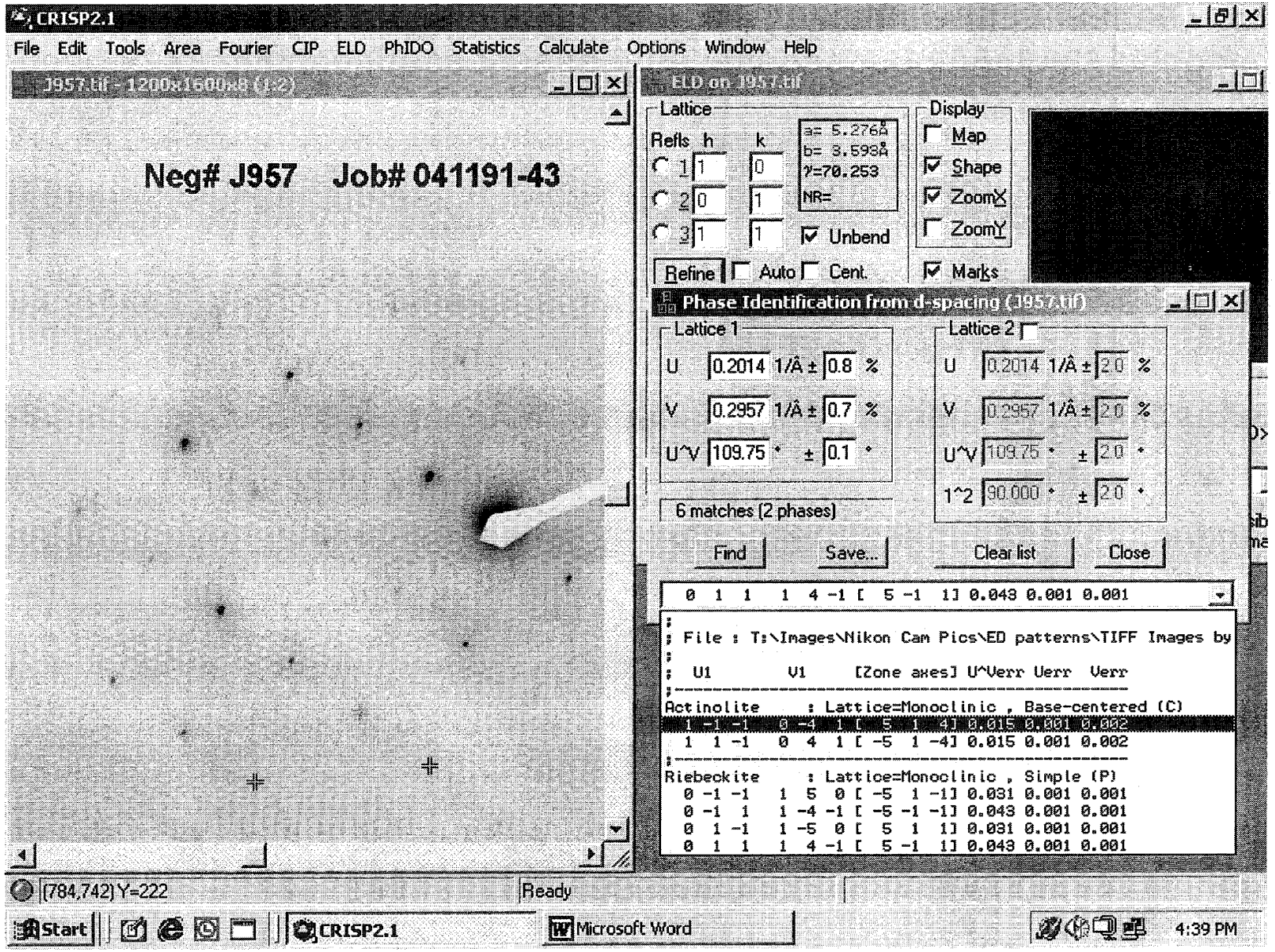
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

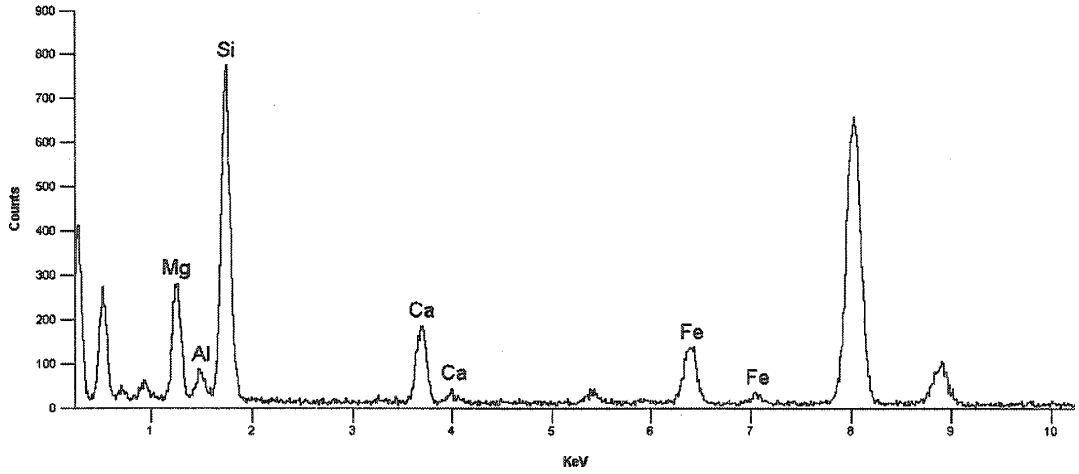
Sample # **041191-42-695**

Values		Satisfied Conditions
(Ca,Na)@B	1.83	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.83	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.08	Si > 7.5
Mg/(Mg+Fe2)	0.73	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[514]





Quantitative Analysis Results - Standardless Analysis :
Spectrum1 041191-43 SP 696 Jan 1, 1997
EDS Parameters - 18KV, Takeoff Angle: 28.2°, Fit Index: 1390.81
Correction: CLIFF LORIMER, Cycles: 1

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	4.81	MgO	8.87	0.95	8.87
Al	2.68	Al2O3	6.26	1.21	6.26
Si	21.78	SiO2	59.89	2.12	59.89
Ca	5.07	CaO	13.01	0.96	13.01
Fe	3.28	Fe2O3	11.98	1.20	11.98
<Total>	100.00		100.00		100.00

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	59.89	Si+4	8.0000	8.0000							
Al2O3	6.26	Al+3	1.0328	0.0000	**1.0328**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	11.98	Fe+3	0.0271			0.0271	0.0000				
MgO	8.87	Mg+2	1.8682			1.8682	**0.0000**				
MnO	0	Fe+2	1.3901			1.3901	**0.0000**				
CaO	[illegible]	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.9495					1.9495	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**100.01**		**Excess**	T site	**1.0328**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.3182**		**1.9495**		**0.0000**	**0.0000**
			%Fill	**100**		**86.364**		**97.4774**			

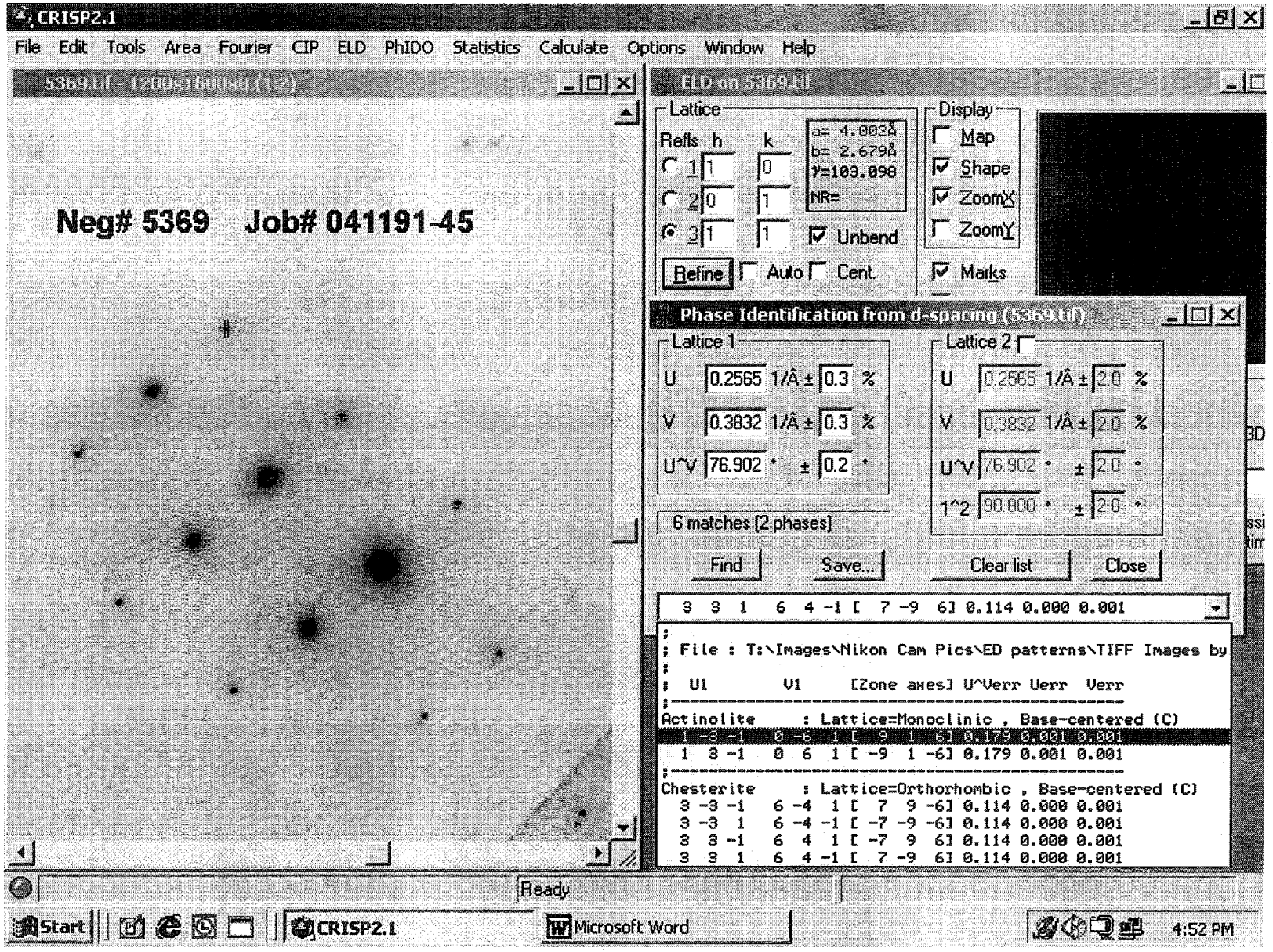
Prefix Alumino
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-43-696**

Values		Satisfied Conditions
(Ca,Na)@B	1.95	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.95	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.57	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[9 1 6]



INTE-% :
LABEL = 041191-45 15271
11-JAN-73 15:06:39
49.469 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	43.340	6.615	10.968
ALK	30.686	2.813	5.316
SIK	287.290	24.661	52.759
K K	1.759	0.251	0.302
CAK	101.417	8.300	11.613
FEK	122.501	13.318	19.042
TOTAL			100.000

USED PEIF: USER

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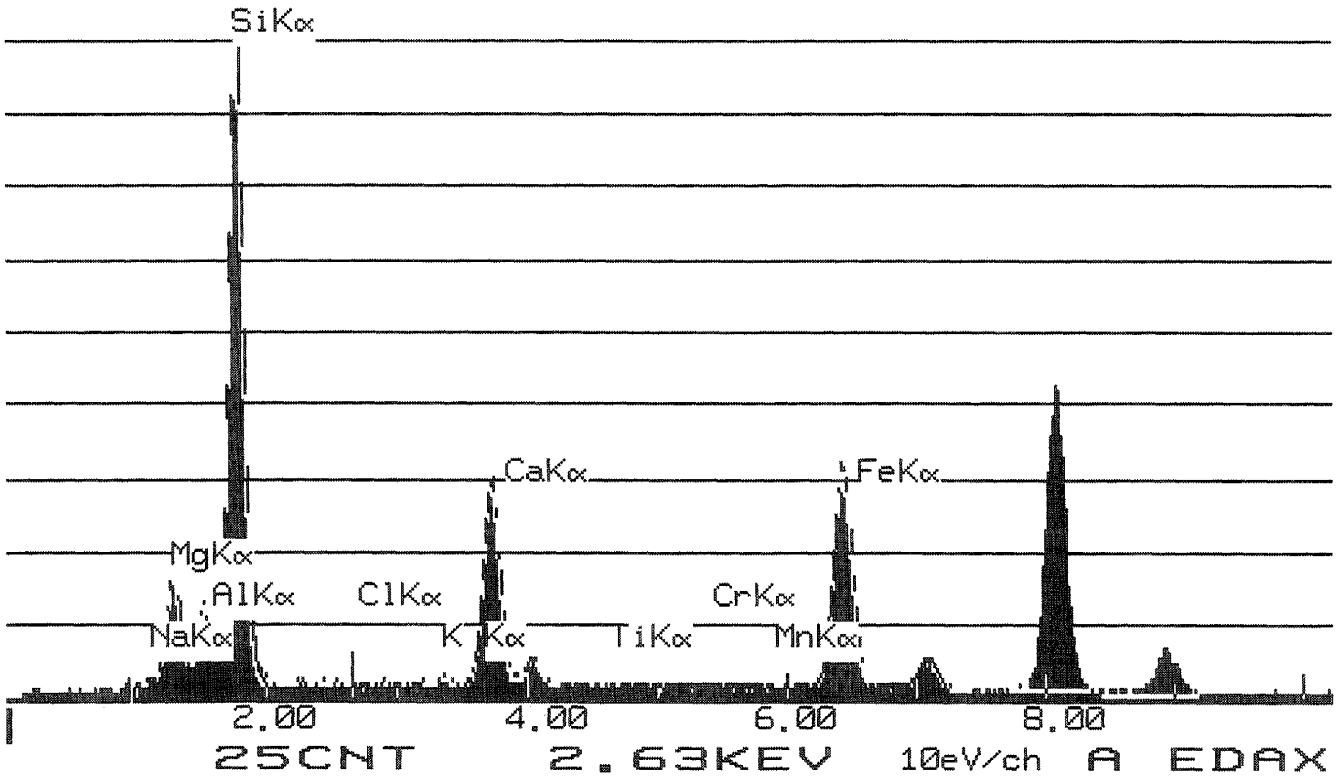
FS= 1471/ 1471 PRST= 200LSEC
A =041191-45 15271



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	52.759	Si+4	7.5452	7.5452							
Al2O3	5.316	Al+3	0.8960	0.4548	**0.4411**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	19.042	Fe+3	0.3688			0.3688	0.0000				
MgO	10.968	Mg+2	2.3384			2.3384	**0.0000**				
MnO	0	Fe+2	1.8672			1.8516	**0.0156**				
CaO	11.613	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7793					1.7793	0.0000		
K2O	0.302	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0551							0.0551	0.0000
Total	**100**		**Excess**	T site	**0.4411**	C site	**0.0156**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.7793**		**0.0551**	**0.0000**
			%Fill	**100**		**100**		**88.9628**			

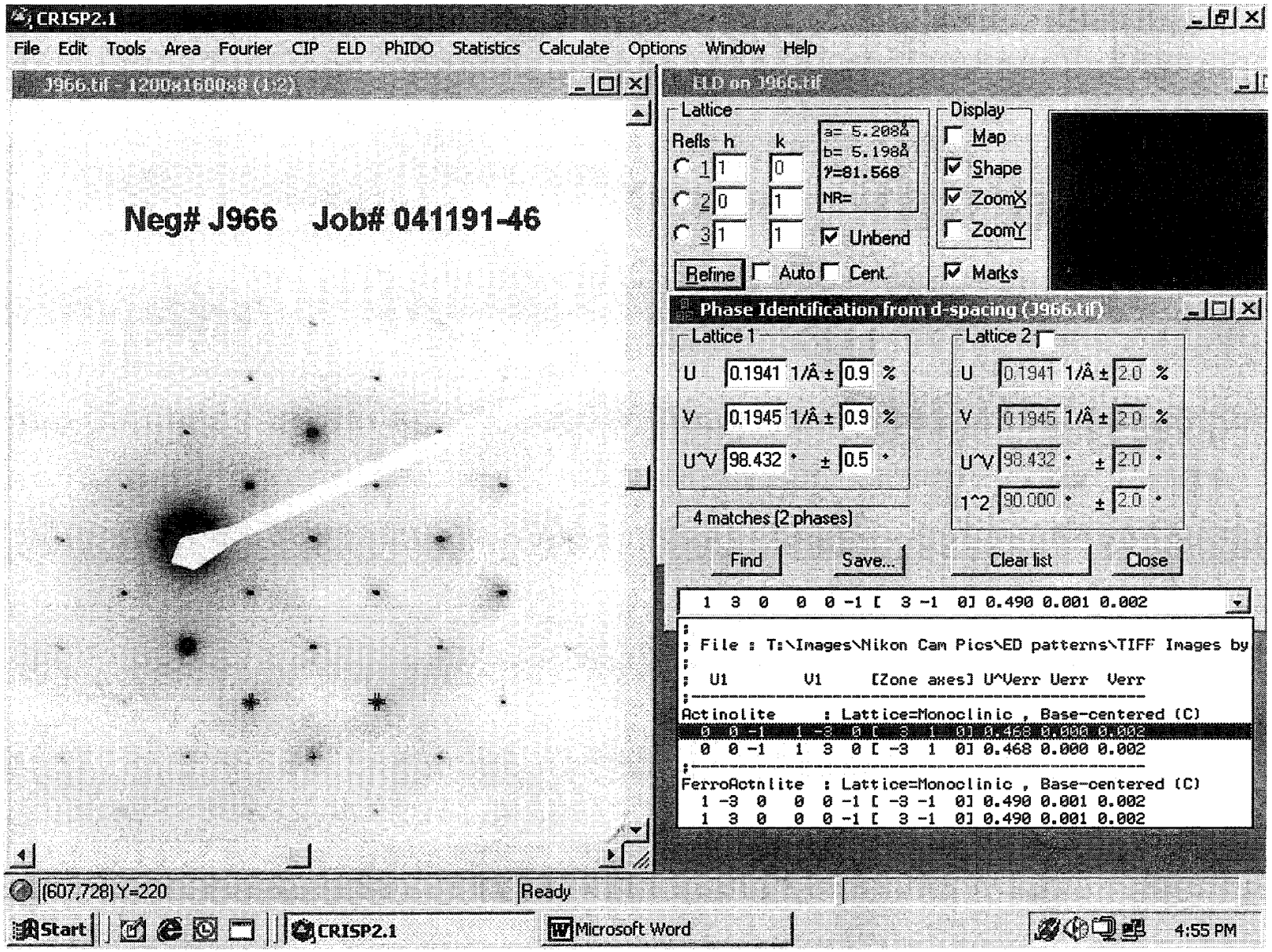
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-45-15271**

Values		Satisfied Conditions
(Ca,Na)@B	1.78	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.78	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.06	Si > 7.5
Mg/(Mg+Fe2)	0.56	(Mg/(Mg+Fe2))< 0.9
Si	7.55	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 1 0]



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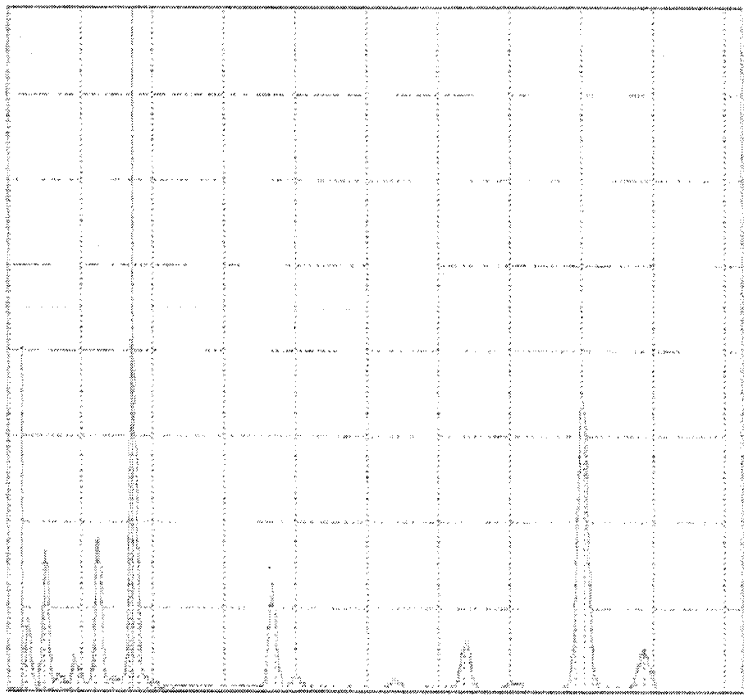


0.000 8- 5 VFS = 2048 10 240
23 041191-46 SP 698

*C \ \CX 'SQMTF'

SQMTF: QUANTIFY
Standardless Analysis

Refit _K K' _K K" _NAK' _NAK"
Refit _ALK' _K K _FEK" _NAK
Chi-sqd = 7.41

Element	Net Counts		
Si-K	13083	+/-	174
Mg-K	5424	+/-	141
Al-K	610	+/-	228
K -K	0	+/-	0
Ca-K	4239	+/-	128
Fe-K	2439	+/-	74
Na-K	0	+/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-46 SP 698

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	13083	1.000	1.000	20.77	27.00	57.85	SIO2
MG-K	5424	1.000	0.415	10.04	11.19	18.66	MGO
AL-K	610	0.750	0.035	0.75	0.94	1.78	AL2O3
K-K	0	1.060	0.000	0.00	0.00	0.00	K2O
CA-K	4239	0.949	0.308	4.47	8.31	11.63	CAO
FE-K	2439	1.399	0.261	2.71	7.05	10.07	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.685	61.25	45.50		

TN FLEXTRAN [13-H]
*

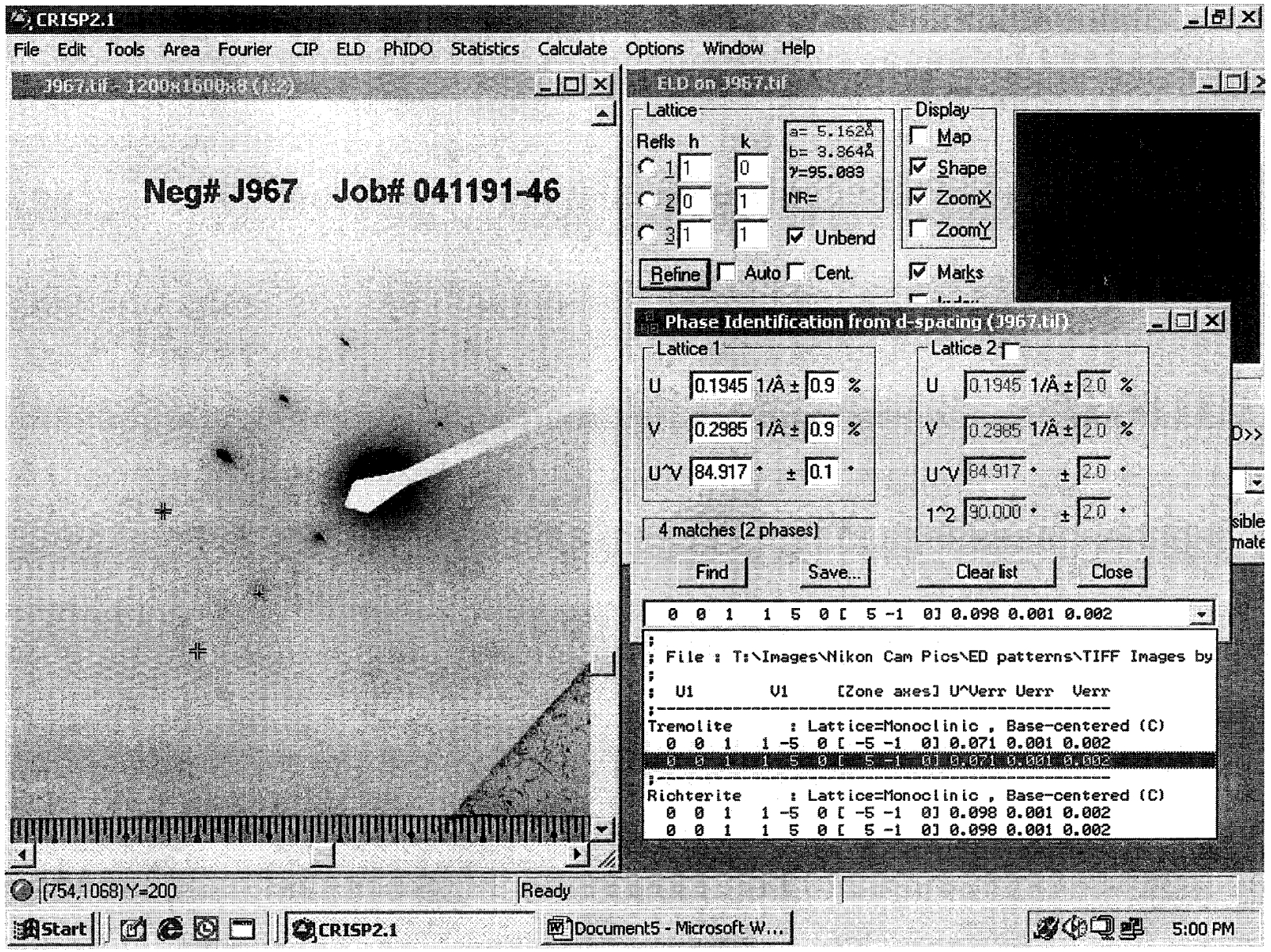
	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.85	Si+4	7.8736	7.8736							
Al2O3	1.78	Al+3	0.2855	0.1264	**0.1591**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	10.07	Fe+3	0.5053			0.5053	0.0000				
MgO	18.66	Mg+2	3.7862			3.7862	**0.0000**				
MnO	0	Fe+2	0.5845			0.5493	**0.0352**				
CaO	11.63	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.6958					1.6958	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**99.99**		**Excess**	T site	**0.1591**	C site	**0.0352**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.6958**		**0.0000**	**0.0000**
			%Fill	**100**		**100**		**84.7896**			

Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-46-698**

Values		Satisfied Conditions
(Ca,Na)@B	1.70	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.70	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.87	(Mg/(Mg+Fe2))< 0.9
Si	7.87	

TREMOLITE
[5-10]



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*
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TN-5500 University of Washington / JEOL SUN 31-OCT-04 10:24

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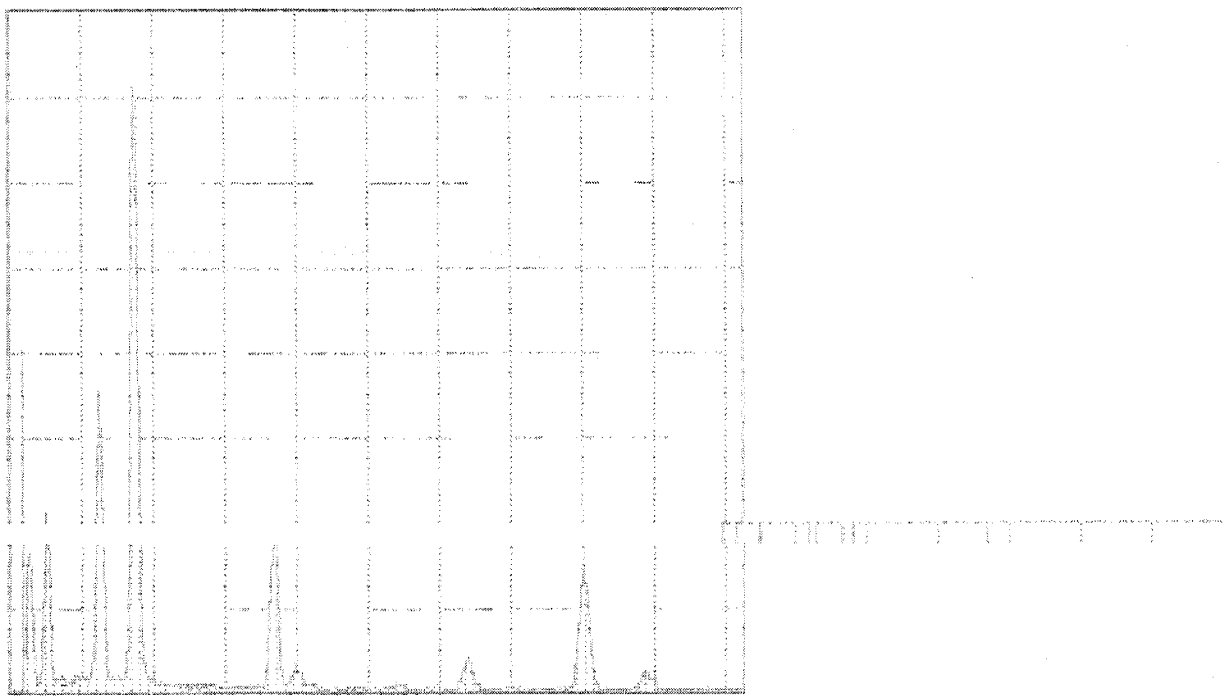


0.000 B- 5 VFS = 1024 10.240

39 041191-46 SP 699

*X 'SQMTF'
SQMTF -38/80
SQMTF: QUANTIFY
Standardless Analysis

Refit _ALK' _ALK" _NAK' _NAK"
Refit _ALK _FEK" _NAK
Chi-sqd = 1.19

Element	Net Counts	
Si-K	11070 +/-	137
Mg-K	4448 +/-	94
Al-K	0 +/-	0
K -K	64 +/-	53
Ca-K	3416 +/-	113
Fe-K	804 +/-	43
Na-K	0 +/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-46 SP 699

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	11070	1.000	1.000	22.31	29.62	63.48	SIO2
MG-K	4448	1.000	0.402	10.46	11.90	19.84	MGO
AL-K	0	0.750	0.000	0.00	0.00	0.00	AL2O3
K-K	64	1.060	0.006	0.10	0.18	0.22	K2O
CA-K	3416	0.949	0.293	4.58	8.68	12.16	CAO
FE-K	804	1.399	0.102	1.14	3.01	4.31	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.573	61.42	46.59		

1.38

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	63.48	Si+4	8.0000	8.0000							
Al2O3	0	Al+3	0.0000	0.0000	0.0000						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	4.31	Fe+3	0.0362			0.0362	0.0000				
MgO	19.84	Mg+2	4.0514			4.0514	0.0000				
MnO	0	Fe+2	0.5444			0.5444	0.0000				
CaO	12.16	Mn+2	0.0000			0.0000	0.0000				
Na2O	0	Ca+2	1.8196					1.8196	0.0000		
K2O	0.22	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0913							0.0913	0.0000
Total	100.01		Excess	T site	0.0000	C site	0.0000	B site	0	A site	0
			Total	8		4.6319		1.8196		0.0913	0.0000
			%Fill	100		92.6387		90.9778			

Prefix none
Name ~~actinolite~~ Trem. by Diffraction; Fe<5
Modifier none
Group Calcic Amphibole

Sample # 041191-46-699

Values		Satisfied Conditions
(Ca,Na)@B	1.82	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.82	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.09	Si > 7.5
Mg/(Mg+Fe2)	0.88	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

```
*X 'SUMTF'
SUMTF: QUANTIFY
SUMTF 1.20/80
Standardless Analysis

 Refit _K K' _K K"
Refit _ALK" _FEK"
 Refit _NAK'
Chi-sqd = 2.05

 Element              Net Counts
   Si-K              5678 +/-    125
    Mg-K              1650 +/-    123
   Al-K               432 +/-     56
    K -K               45 +/-     20
   Ca-K              1743 +/-     82
    Fe-K              2332 +/-     66
   Na-K               235 +/-     60

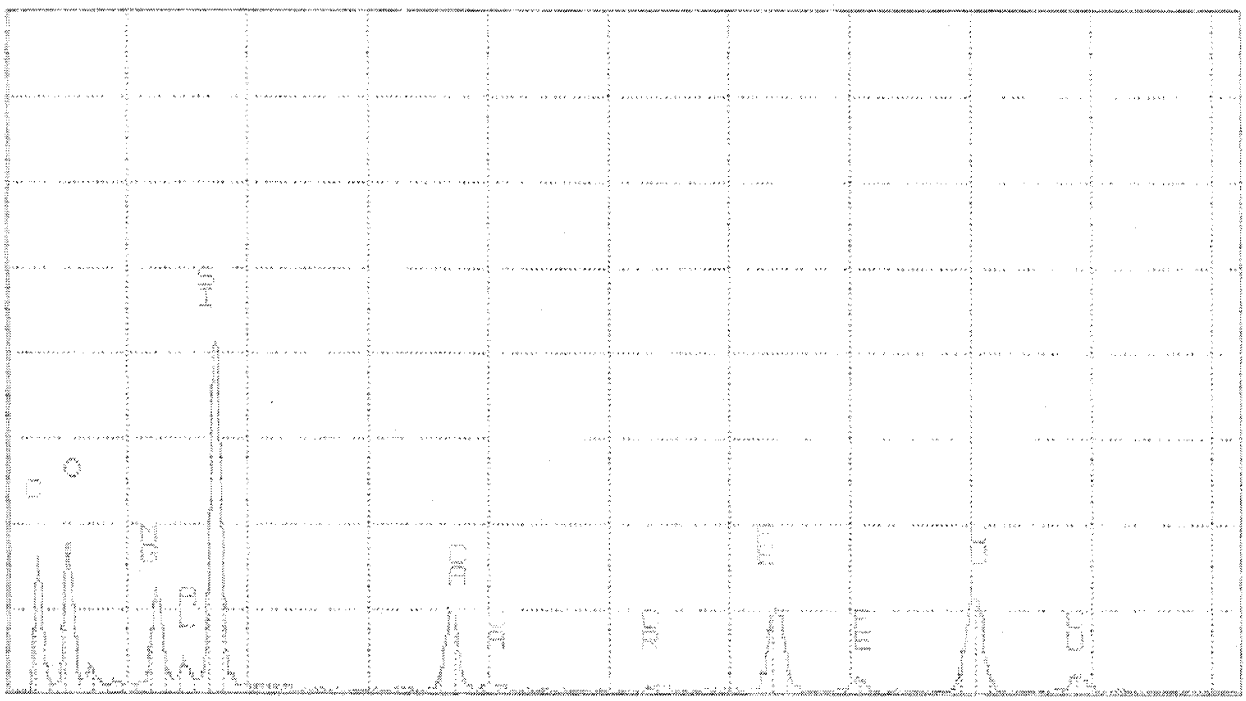
REFKS   EDS:SiK     EDS:MGK     EDS:ALK     EDS:K K     EDS:CAK     EDS:FEK     EDS:

041191-47 SP710

 EL-LINE    PEAK   K-FACTOR    CEL/CREF   ATUM%   EL WT%      WT%   FORMULA
  SI-K      5678     1.000       1.000    19.87    24.86    53.28   SIO2
MG-K        1650     1.000       0.291     6.74     7.23    12.05   MGO
  AL-K       432     0.750       0.057     1.18     1.42     2.68   AL2O3
K-K          45     1.060       0.008     0.12     0.21     0.25   K2O
  CA-K      1743     0.949       0.297     4.06     7.25    10.15   CAO
FE-K        2332     1.399       0.575     5.71    14.30    20.48   FE2O3
  NA-K       235     0.549       0.023     0.55     0.57     1.16   NA2O3
O                                1.776    61.77    44.16
```

TN-5500 University of Washington / JEOL WED 03-NOV-04 06:49

Cursor: 0 000keV = 0



0 000 VFS = 1024 10.240

0 041191-47 SP710

1,40

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	53.28	Si+4	7.6306	7.6306							
Al2O3	2.68	Al+3	0.4523	0.3694	**0.0830**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	20.43	Fe+3	0.7706			0.7706	0.0000				
MgO	12.05	Mg+2	2.5728			2.5728	**0.0000**				
MnO	0	Fe+2	1.5903			1.5736	**0.0167**				
CaO	10.15	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	1.16	Ca+2	1.5573					1.5573	0.0000		
K2O	0.25	Na+	0.3221					0.3221	**0.0000**	0.0000	0.0000
		K+	0.0457							0.0457	0.0000
Total	100		Excess	T site	0.0830	C site	0.0167	B site	0	A site	0
			Total	8		5.0000		1.8794		0.0457	0.0000
			%Fill	100		100		93.9712			

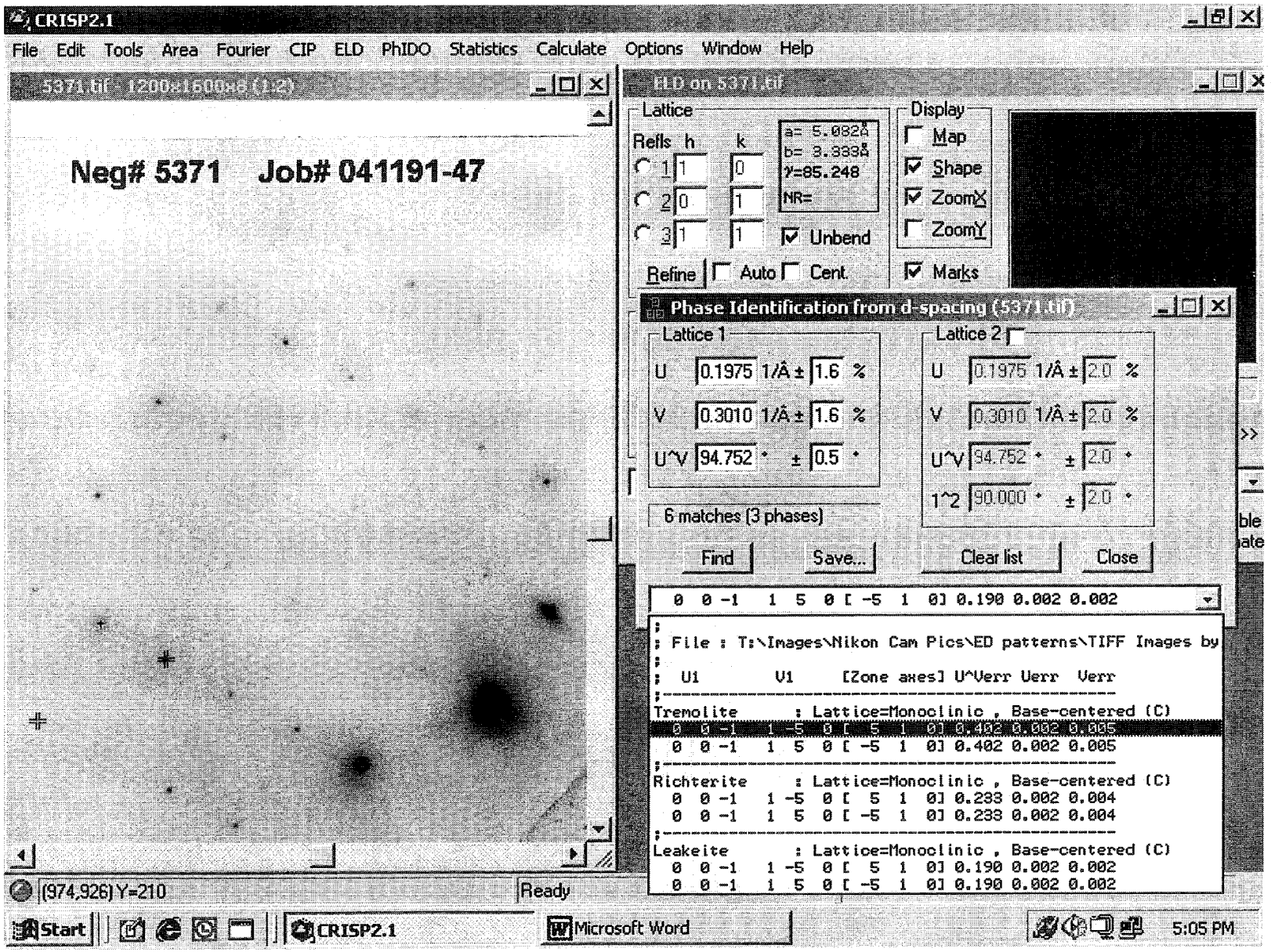
Prefix	none
Name	actinolite
Modifier	Ferrian
Group	Calcic Amphibole

Sample # 041191-47-710

Values		Satisfied Conditions
(Ca,Na)@B	1.88	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.32	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.56	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.05	Si > 7.5
Mg/(Mg+Fe2)	0.62	(Mg/(Mg+Fe2))< 0.9
Si	7.63	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[5 1 0]



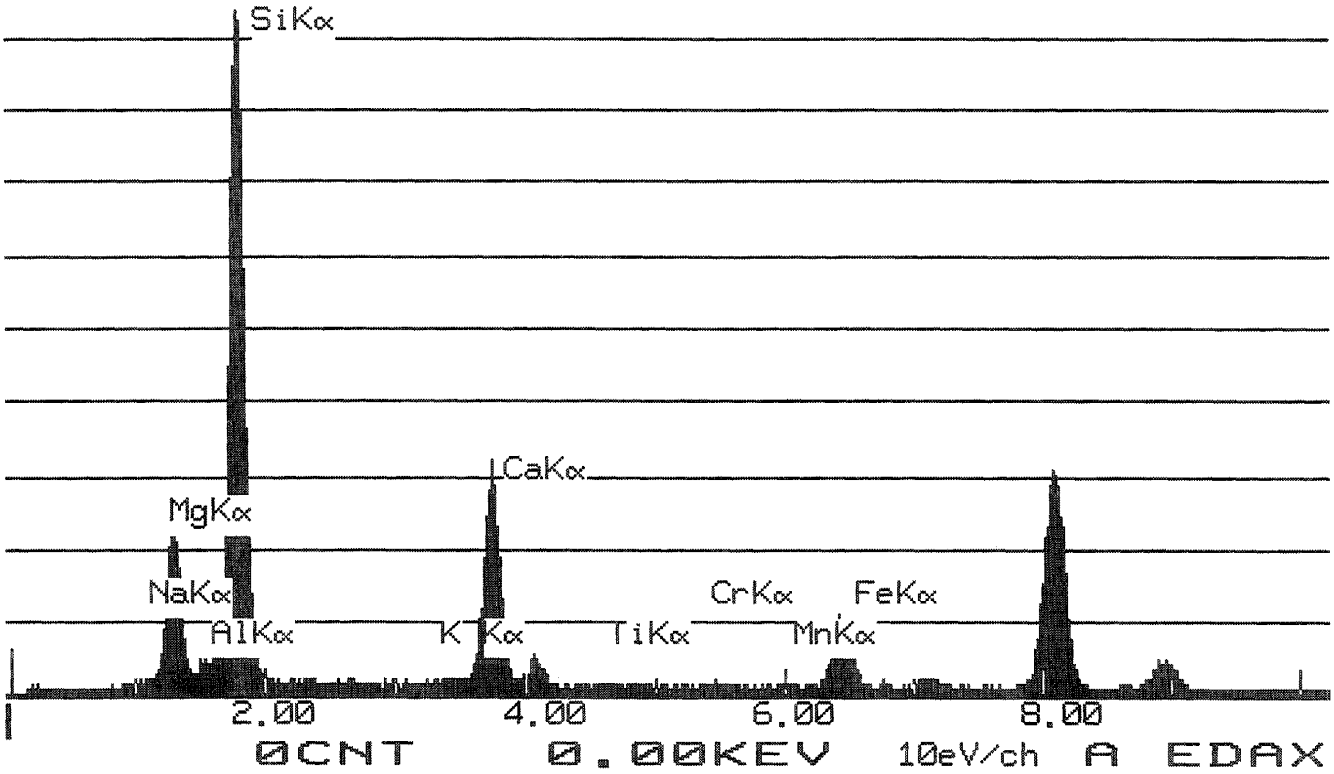
INTE-% :
LABEL = 041191-45 15271
08-JAN-73 19:58:29
41.209 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
NAK	1.116	0.245	0.330
MGK	110.170	11.423	18.940
ALK	14.900	0.928	1.753
SIK	476.060	27.761	59.390
CAK	162.464	9.032	12.638
MNK	0.534	0.043	0.055
FEK	65.277	4.821	6.893

TOTAL			100.000

USED PEIF: USER

07-JAN-05 20:00:15 SUPER QUANT
RATE= 2184CPS TIME= 41LSEC
FS= 2017/ 2017 PRST= 200LSEC
A =041191-47 15272



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	59.39	Si+4	8.0000	8.0000							
Al2O3	1.753	Al+3	0.2836	0.0000	0.2836						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	6.893	Fe+3	0.0094			0.0094	0.0000				
MgO	18.94	Mg+2	3.8340			3.8340	0.0000				
MnO	0.055	Fe+2	0.7782			0.7782	0.0000				
CaO	12.638	Mn+2	0.0117			0.0117	0.0000				
Na2O	0.33	Ca+2	1.8407					1.8407	0.0000		
K2O	0	Na+	0.0959					0.0959	0.0000	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	99.999		Excess	T site	0.2836	C site	0.0000	B site	0	A site	0
			Total	8		4.9169		1.9366		0.0000	0.0000
			%Fill	100		98.3372		96.8283			

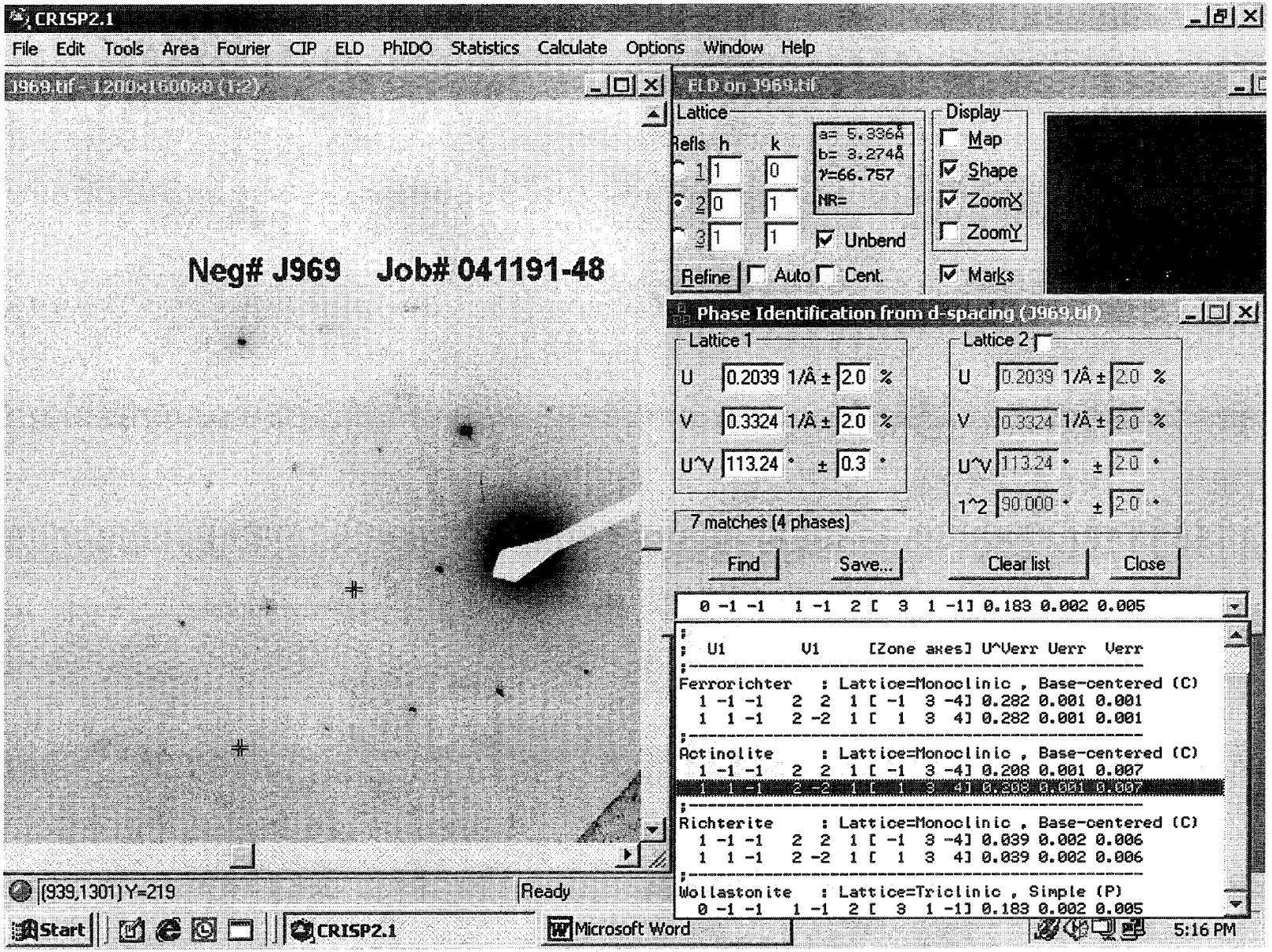
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-47-15272

Values		Satisfied Conditions
(Ca,Na)@B	1.94	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.10	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.84	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.83	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 3 4]



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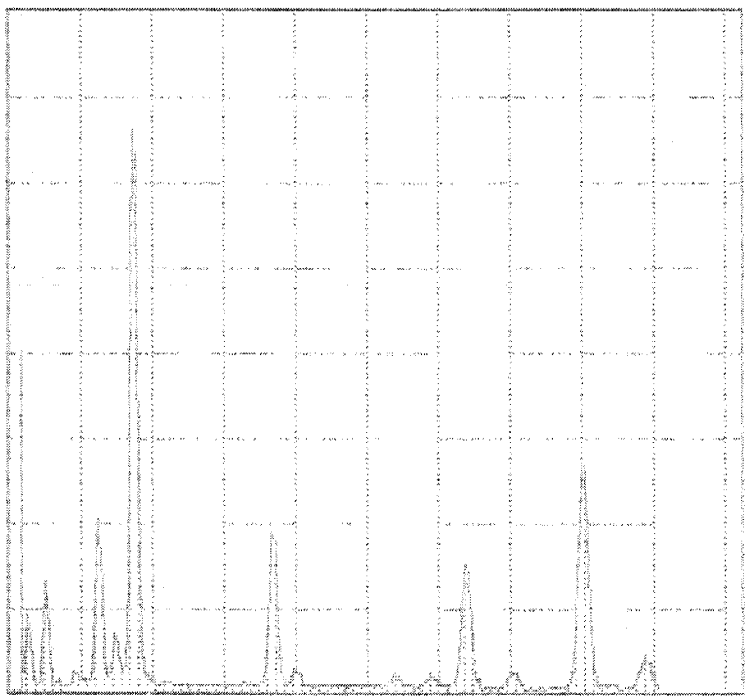
TN-5500 University of Washington / JEOL SUN 31-OCT-04 15:29
Cursor: 0.000KeV = 0



0.000 W- 5 VFS = 2048 10.240
36 041191-48 SP 700

*X 'SQMTF'

SQMTF: QUANTIFY
Standardless Analysis

Refit _NAK' _NAK"
Refit _ALK' _ALK" _K K' _NAK
Chi-sqd = 4.28

Element	Net Counts		
Si-K	20291	+/-	211
Mg-K	5677	+/-	147
Al-K	1718	+/-	98
K -K	185	+/-	90
Ca K	7037	+/-	169
Fe-K	6868	+/-	163
Na-K	0	+/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-48 SP 700

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	20291	1.000	1.000	38.49	25.78	55.24	SIO2
MG-K	5677	1.000	0.280	6.89	7.21	12.02	MGO
AL-K	1718	0.750	0.064	1.35	1.44	2.49	AL2O3
K-K	185	1.000	0.010	0.14	0.25	0.30	K2O
CA-K	7037	0.949	0.329	4.72	8.49	11.89	CAO
FE-K	6868	1.399	0.474	4.85	12.22	17.45	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.728	61.76	44.41		

1,30
*

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	55.24	Si+4	7.8652	7.8652							
Al2O3	3.09	Al+3	0.5185	0.1348	**0.3837**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	17.45	Fe+3	0.0561			0.0561	0.0000				
MgO	12.02	Mg+2	2.5515			2.5515	**0.0000**				
MnO	0	Fe+2	2.0152			2.0087	**0.0065**				
CaO	11.89	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.8137					1.8137	0.0000		
K2O	0.3	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0545							0.0545	0.0000
Total	**99.99**		**Excess**	T site	**0.3837**	C site	**0.0065**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.8137**		**0.0545**	**0.0000**
			%Fill	**100**		**100**		**90.6843**			

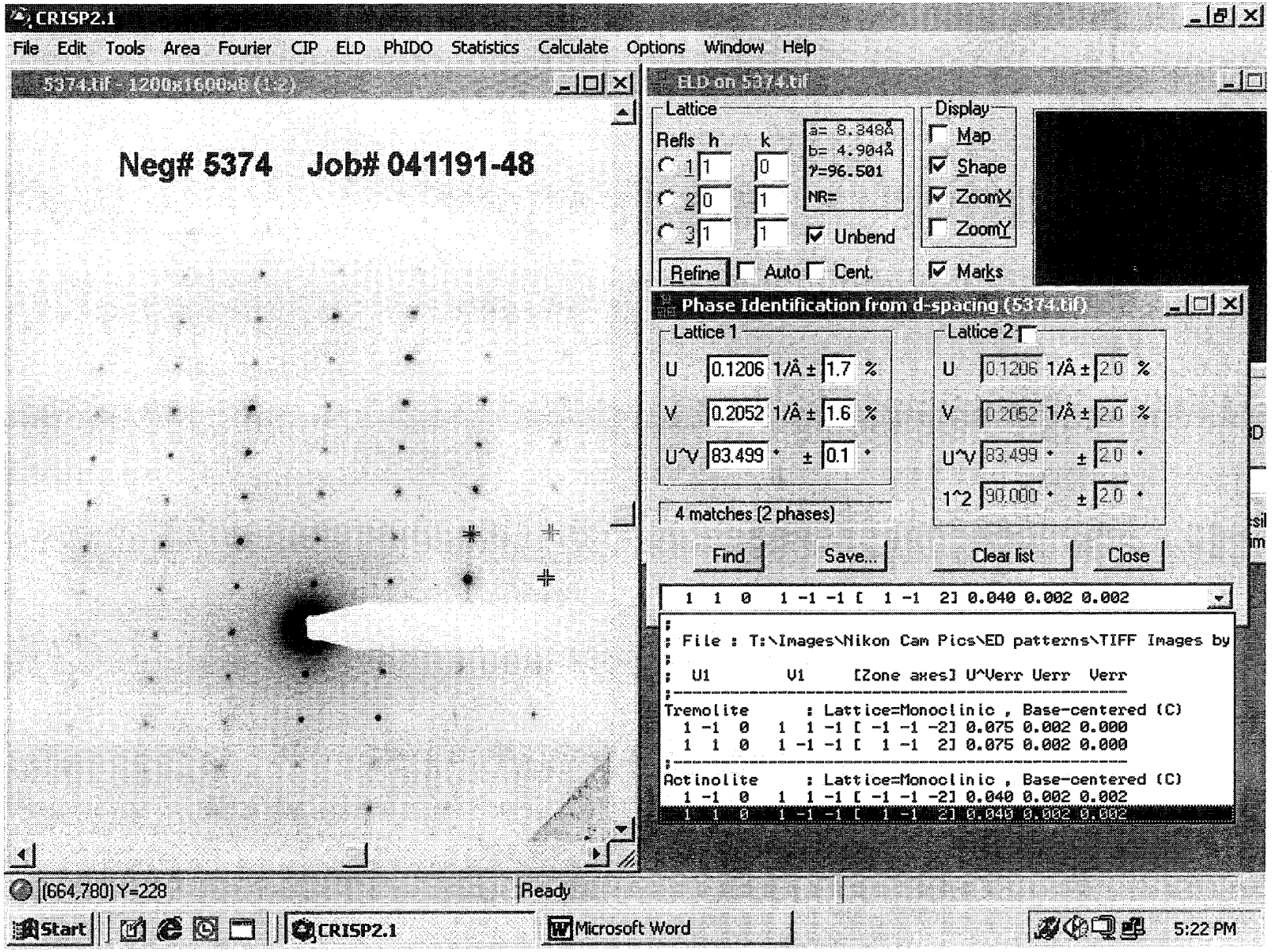
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-48-700**

Values		Satisfied Conditions
(Ca,Na)@B	1.81	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.81	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.05	Si > 7.5
Mg/(Mg+Fe2)	0.56	(Mg/(Mg+Fe2))< 0.9
Si	7.87	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 -1 2]



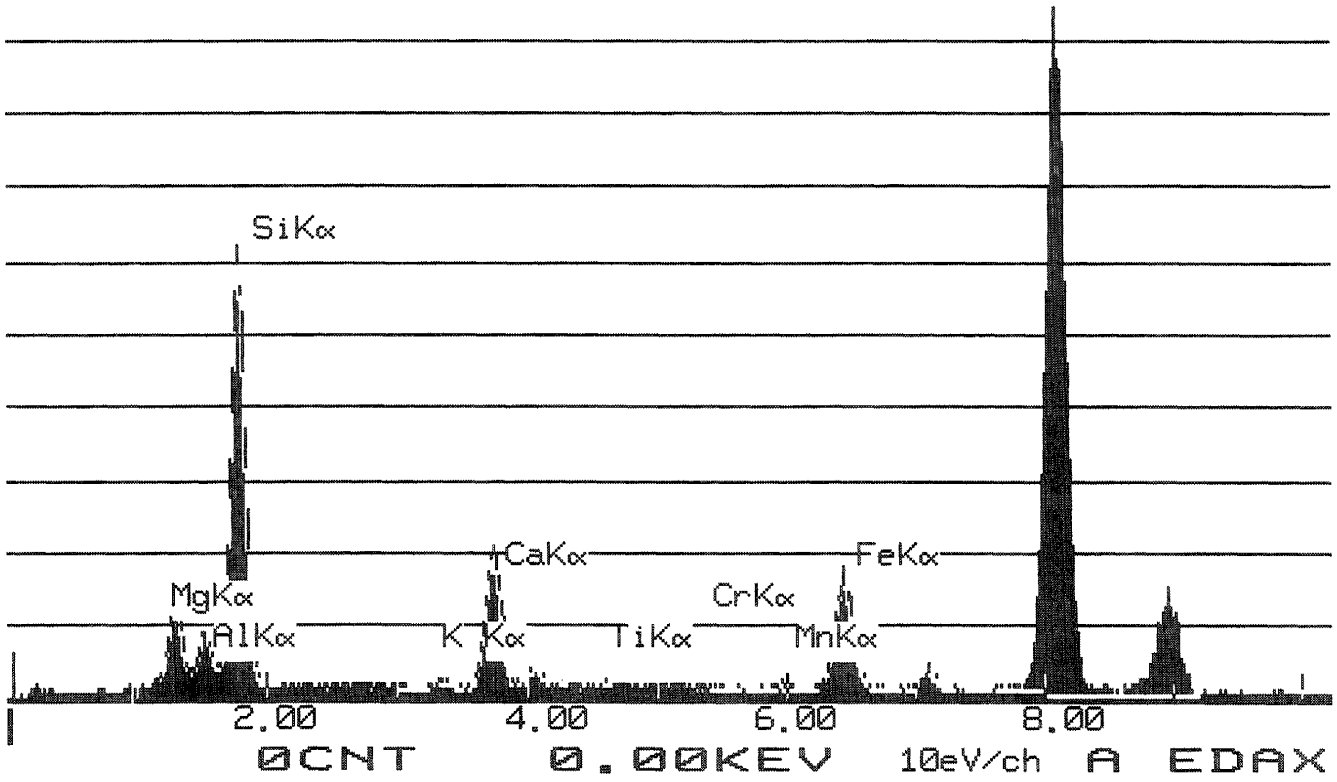
INTE-% :
LABEL = 041191-47 15275
09-JAN-73 05:12:48
36.892 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	29.383	7.729	12.815
ALK	18.676	2.951	5.576
SIK	168.249	24.891	53.250
K K	2.331	0.573	0.690
CAK	61.179	8.629	12.074
MNK	0.596	0.121	0.157
FEK	57.628	10.798	15.438

TOTAL			100.000

USED PEIF: USER

08-JAN-05 05:13:15 SUPER QUANT
RATE= 5509CPS TIME= 37LSEC
FS= 1053/ 1053 PRST= 200LSEC
A =041191-48 15275



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	53.25	Si+4	7.5469	7.5469							
Al2O3	5.576	Al+3	0.9313	0.4531	**0.4782**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	15.438	Fe+3	0.1482			0.1482	0.0000				
MgO	12.815	Mg+2	2.7076			2.7076	**0.0000**				
MnO	0.157	Fe+2	1.6649			1.6649	**0.0000**				
CaO	12.074	Mn+2	0.0188			0.0011	**0.0178**				
Na2O	0	Ca+2	1.8332					1.8332	0.0000		
K2O	0.69	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.1247							0.1247	0.0000
Total	**100**		**Excess**	T site	**0.4782**	C site	**0.0178**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.8332**		**0.1247**	**0.0000**
			%Fill	**100**		**100**		**91.6624**			

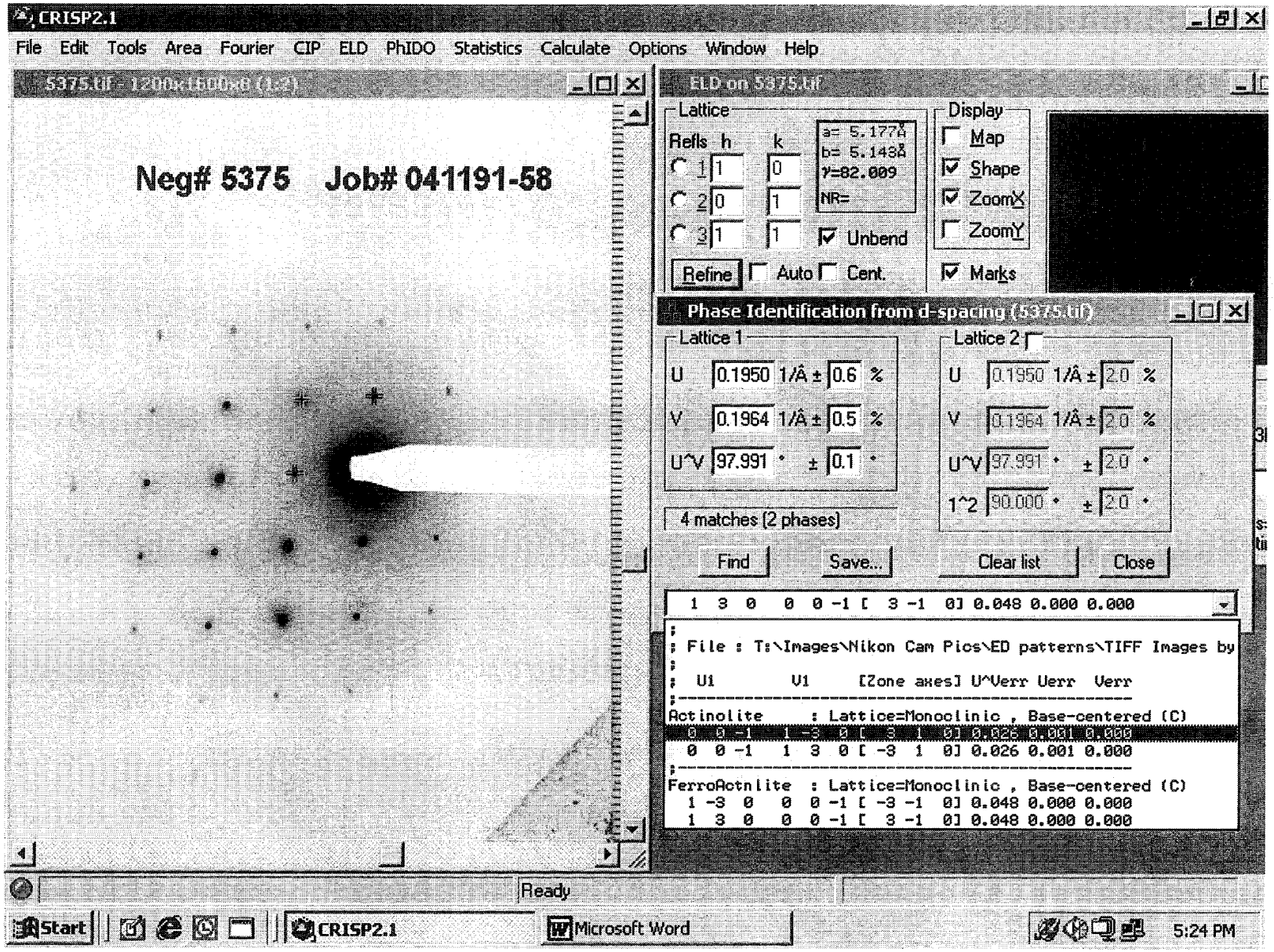
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-48-15275**

Values		Satisfied Conditions
(Ca,Na)@B	1.83	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.83	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.12	Si > 7.5
Mg/(Mg+Fe2)	0.62	(Mg/(Mg+Fe2))< 0.9
Si	7.55	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 1 0]

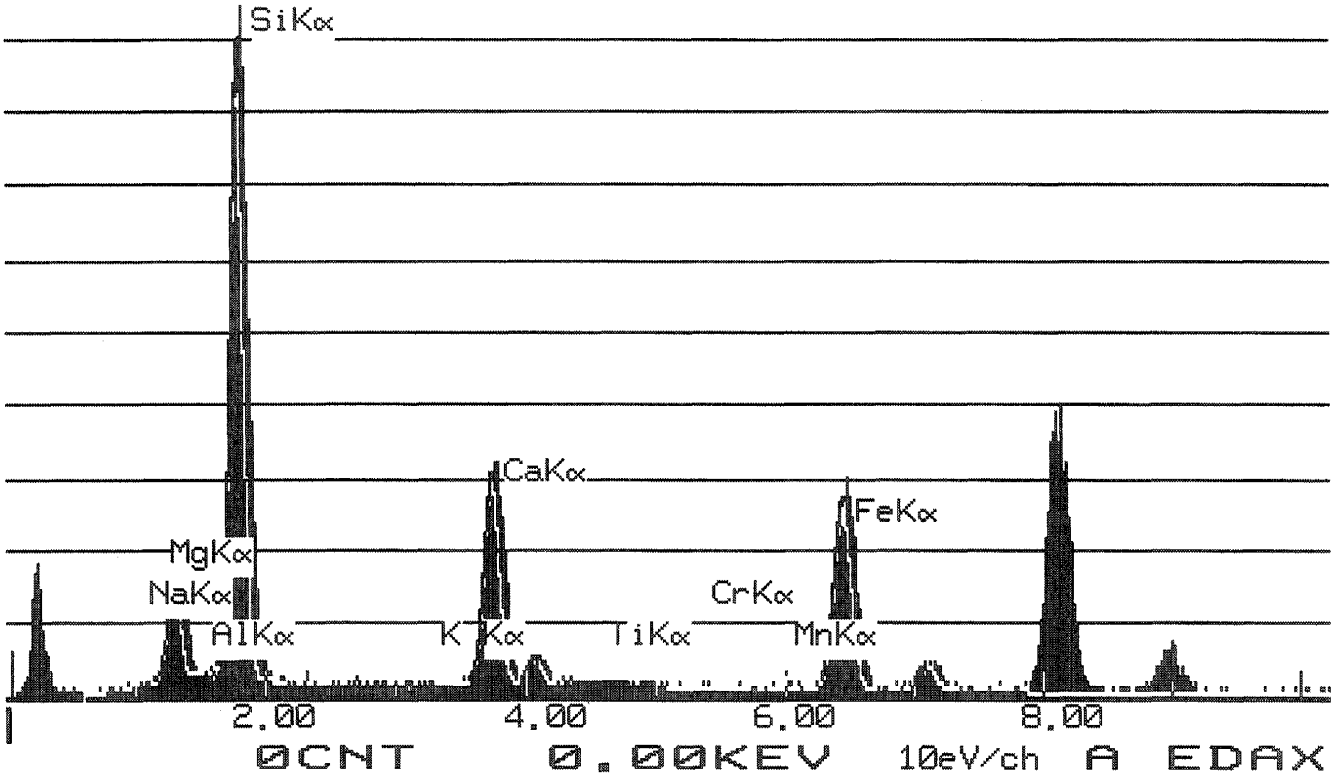


INTE-% :
LABEL = 041191-58 15276
09-JAN-73 17:44:07
32.194 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	51.531	7.671	12.720
ALK	0.870	0.078	0.147
SIK	304.587	25.503	54.559
CAK	118.002	9.420	13.180
MNK	1.708	0.197	0.254
FEK	126.233	13.387	19.139
TOTAL			100.000

USED PEIF: USER

08-JAN-05 17:44:33 SUPER QUANT
RATE= 4225CPS TIME= 32LSEC
FS= 1099/ 1099 PRST= 200LSEC
A =041191-58 15276



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.559	Si+4	7.8997	7.8997							
Al2O3	0.147	Al+3	0.0251	0.0251	**0.0000**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	19.139	Fe+3	0.0626			0.0626	0.0000				
MgO	12.72	Mg+2	2.7457			2.7457	**0.0000**				
MnO	0.254	Fe+2	2.2477			2.1917	**0.0560**				
CaO	13.18	Mn+2	0.0311			0.0000	**0.0311**				
Na2O	0	Ca+2	2.0445					1.9129	0.1316		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**99.999**		**Excess**	T site	**0.0000**	C site	**0.0871**	B site	**0.1316271**	A site	**0**
			Total	**7.9248**		**5.0000**		**1.9129**		**0.0000**	**0.0000**
			%Fill	**99.06**		**100**		**95.6428**			

Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # **041191-58-15276**

Values		**Satisfied Conditions**
(Ca,Na)@B	**1.91**	**(Ca,Na)@B >= 1 and Na@B < 0.5**
Na@B	**0.00**	**Ca@B >= 1.5 and (Na,K)@A < 0.5**
Ca@B	**1.91**	**(Mg/(Mg+Fe2))>= 0.5**
(Na,K)@A	**0.00**	**Si > 7.5**
Mg/(Mg+Fe2)	**0.55**	**(Mg/(Mg+Fe2))< 0.9**
Si	**7.90**	

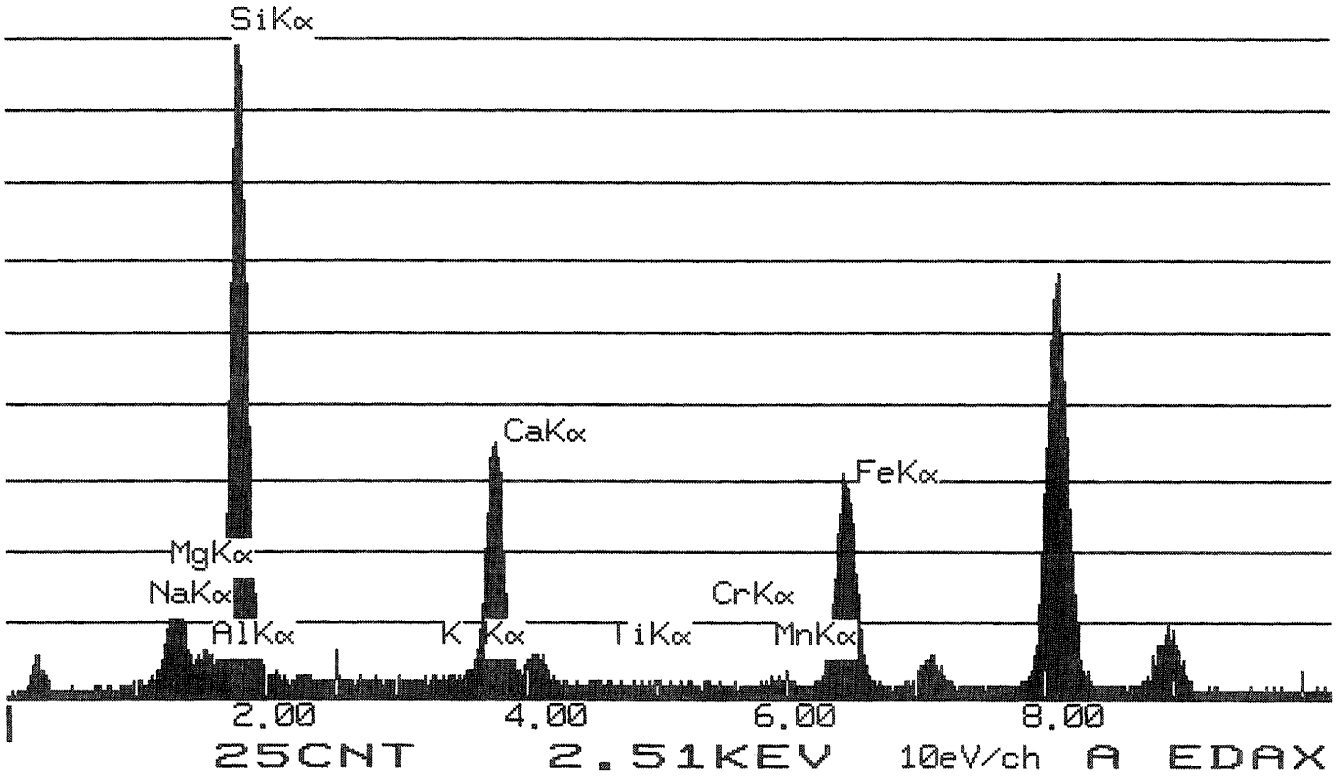
Mineral Analysis Program (Version 5.0)

INTE-% :
LABEL = 041270-08 4/1 15282
10-JAN-73 01:52:51
30.066 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	89.937	7.517	12.464
ALK	22.850	1.147	2.168
SIK	518.965	24.396	52.193
CAK	227.868	10.213	14.290
FEK	221.848	13.209	18.885
TOTAL			100.000

USED PEIF: USER

09-JAN-05 01:54:18 SUPER QUANT
RATE= 21CPS TIME= 30LSEC
FS= 1741/ 1741 PRST= 200LSEC
A =041191-58 15283



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	52.193	Si+4	7.5998	7.5998							
Al2O3	2.168	Al+3	0.3720	0.3720	0.0000						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	18.885	Fe+3	0.0207			0.0207	0.0000				
MgO	12.464	Mg+2	2.7057			2.7057	0.0000				
MnO	0	Fe+2	2.2764			2.2736	0.0028				
CaO	14.29	Mn+2	0.0000			0.0000	0.0000				
Na2O	0	Ca+2	2.2292					1.9972	0.2319		
K2O	0	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	100		Excess	T site	0.0000	C site	0.0028	B site	0.2319353	A site	0
			Total	7.9719		5.0000		1.9972		0.0000	0.0000
			%Fill	99.648		100		99.8625			

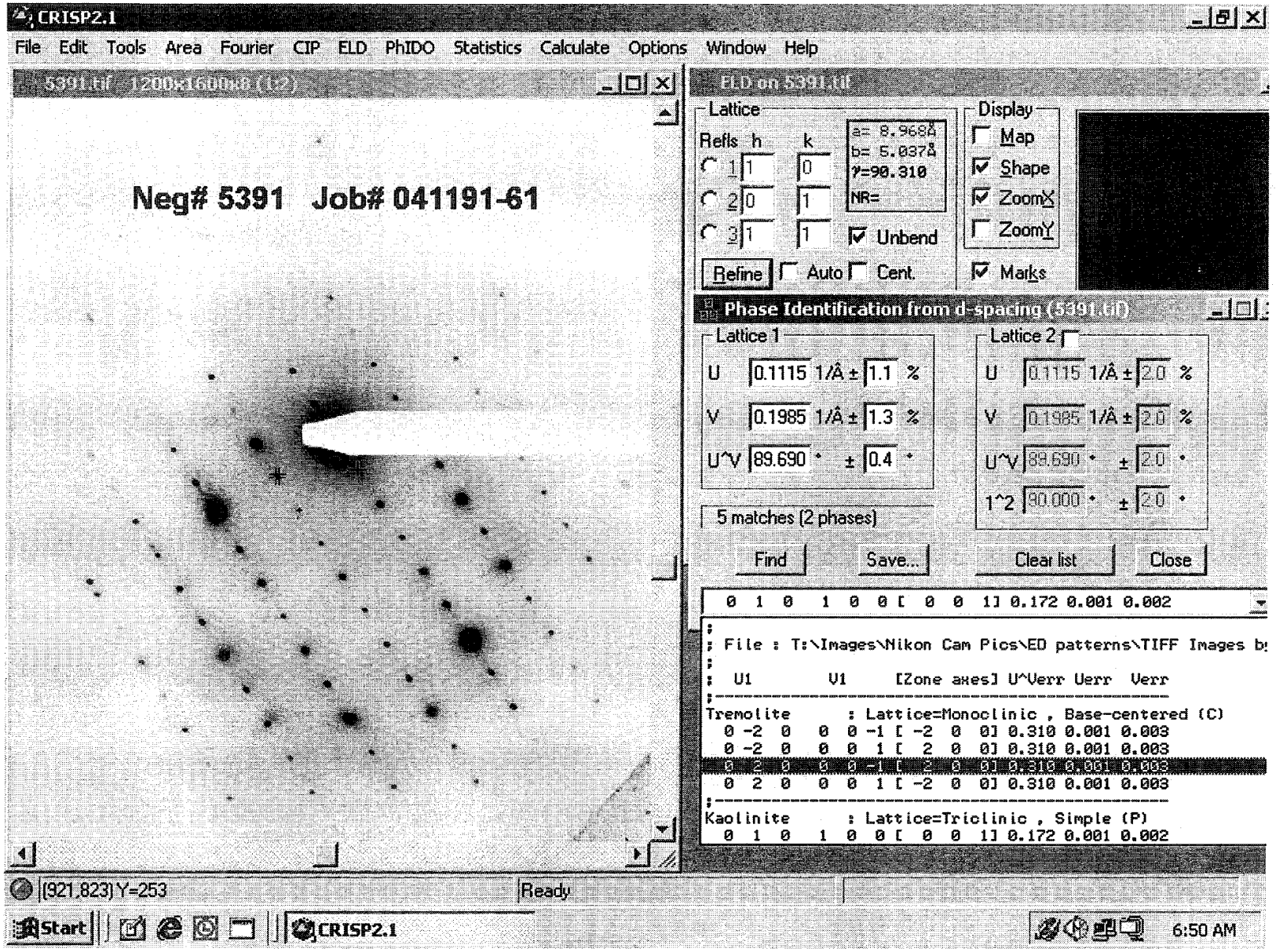
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-58-15283

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.54	(Mg/(Mg+Fe2))< 0.9
Si	7.60	

Mineral Analysis Program (Version 5.0)

TREMOLITE
[1 0 0]



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0,0
$QMTF: QUANTIFY
$XanSAM Fess Analysis

Refit _ALK' _ALK" _K K' _K K" _NAK' _NAK"
Refit _ALK _K K _CAK" _NAK
Refit _MGK"
Chi-sqd = 12.58

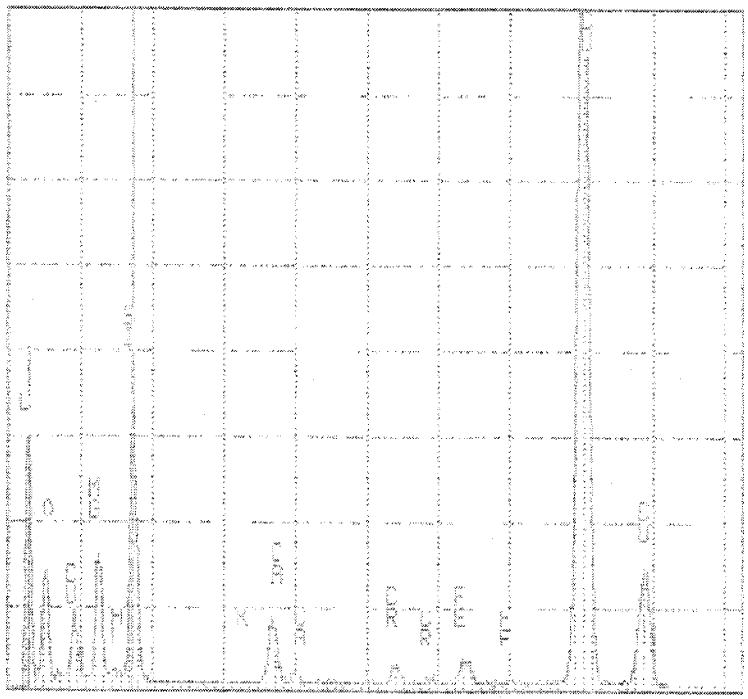
Element	Net Counts		
Si-K	5021	+/-	102
Mg-K	2376	+/-	50
Al-K	0	+/-	0
K -K	0	+/-	0
Ca-K	1599	+/-	53
Fe-K	751	+/-	86
Na-K	0	+/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-61 707

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	5021	1.000	1.000	20.87	27.36	58.67	SIO2
MG-K	2376	1.000	0.473	11.53	12.95	21.58	MGO
AL-K	0	0.750	0.000	0.00	0.00	0.00	AL2O3
K-K	0	1.060	0.000	0.00	0.00	0.00	K2O
CA-K	1599	0.949	0.303	4.42	8.28	11.59	CAO
FE-K	751	1.399	0.210	2.19	5.73	8.19	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.669	60.98	45.67		

TN-5500 University of Washington / JPL MON 01-NOV-04 2:37
Cursor: 1.720keV = 465



0.000 C-6 VFS = 1024 10.240

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	58.62	Si+4	7.9379	7.9379							
Al2O3	0	Al+3	0.0000	0.0000	**0.0000**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	8.19	Fe+3	0.4089			0.4089	0.0000				
MgO	21.58	Mg+2	4.3565			4.3565	**0.0000**				
MnO	0	Fe+2	0.4730			0.2346	**0.2383**				
CaO	11.59	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.6814					1.6814	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**99.98**		**Excess**	T site	**0.0000**	C site	**0.2383**	B site	**0**	A site	**0**
			Total	**7.9379**		**5.0000**		**1.6814**		**0.0000**	**0.0000**
			%Fill	**99.224**		**100**		**84.069**			

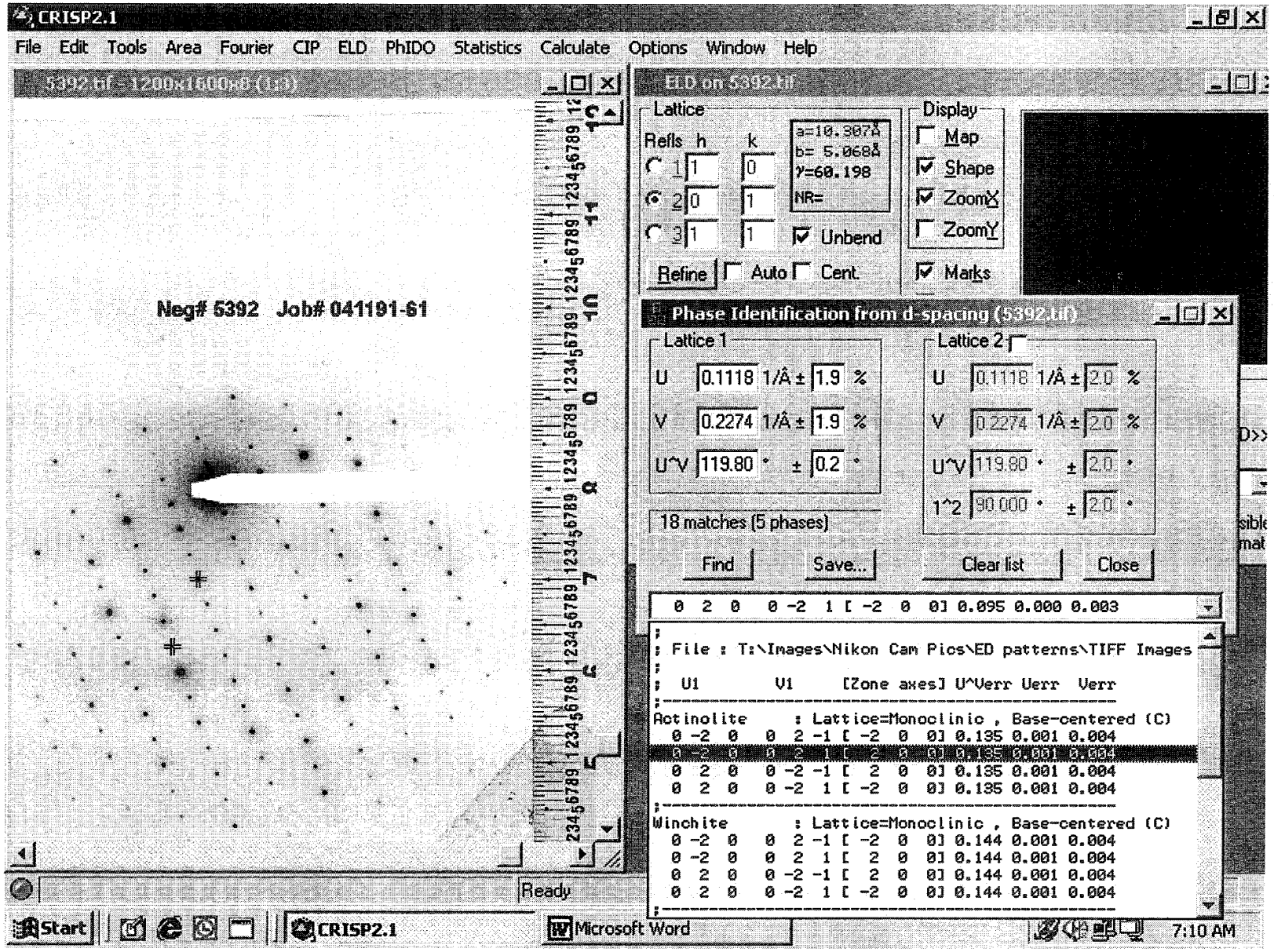
Prefix none
Name tremolite
Modifier none
Group Calcic Amphibole

Sample # 041191-61-707

Values		Satisfied Conditions
(Ca,Na)@B	1.68	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.68	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.90	(Mg/(Mg+Fe2))>= 0.9
Si	7.94	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 0 0]

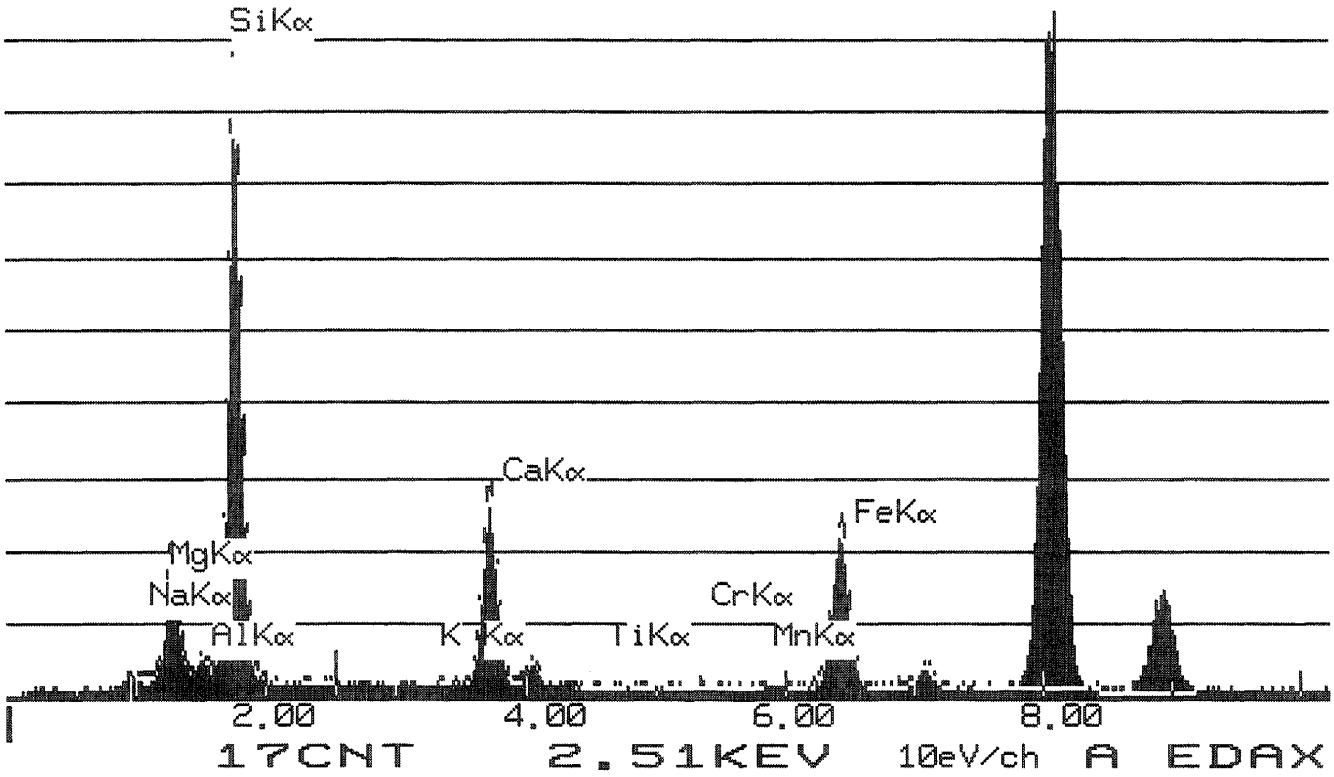


INTE-% :
LABEL = 041191-61 15287
10-JAN-73 21:42:41
67.627 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	26.720	9.066	15.032
ALK	3.416	0.696	1.315
SIK	132.890	25.358	54.250
K K	0.695	0.220	0.265
CAK	48.974	8.910	12.467
MNK	1.153	0.303	0.391
FEK	47.111	11.386	16.279
TOTAL			100.000

USED PEIF: USER

09-JAN-05 21:43:11 SUPER QUANT
RATE= 28CPS TIME= 67LSEC
FS= 1011/ 1011 PRST= 200LSEC
A =041191-61 15287



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.25	Si+4	7.6959	7.6959							
Al2O3	1.315	Al+3	0.2198	0.2198	0.0000						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	16.279	Fe+3	0.5213			0.5213	0.0000				
MgO	15.032	Mg+2	3.1791			3.1791	0.0000				
MnO	0.391	Fe+2	1.3517			1.2996	0.0521				
CaO	12.467	Mn+2	0.0470			0.0000	0.0470				
Na2O	0	Ca+2	1.8947					1.8947	0.0000		
K2O	0.265	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0480							0.0480	0.0000
Total	99.999		Excess	T site	0.0000	C site	0.0991	B site	0	A site	0
			Total	7.9157		5.0000		1.8947		0.0480	0.0000
			%Fill	98.947		100		94.7357			

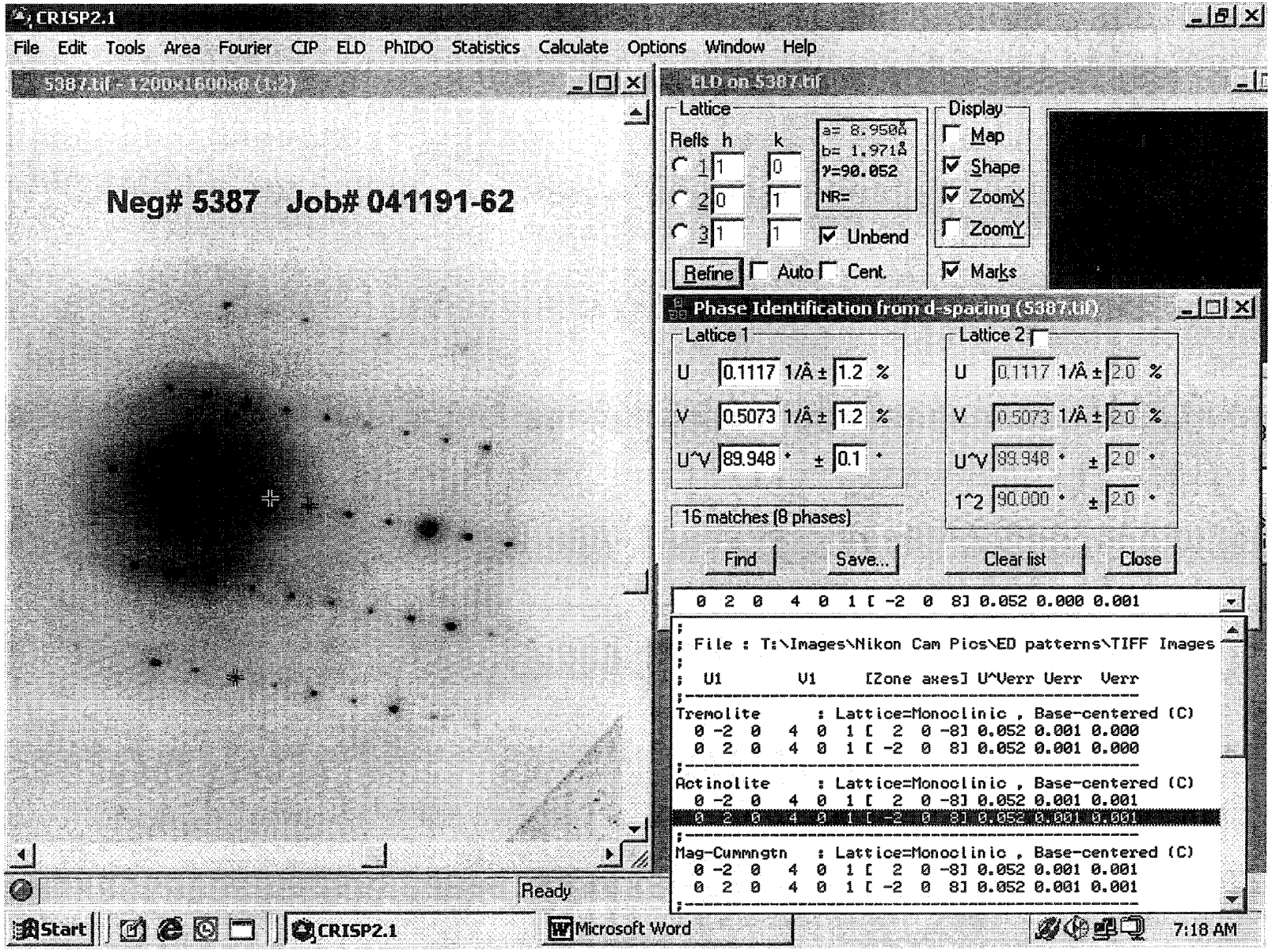
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-61-15287

Values		Satisfied Conditions
(Ca,Na)@B	1.89	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.89	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.05	Si > 7.5
Mg/(Mg+Fe2)	0.70	(Mg/(Mg+Fe2))< 0.9
Si	7.70	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[-1 0 4]

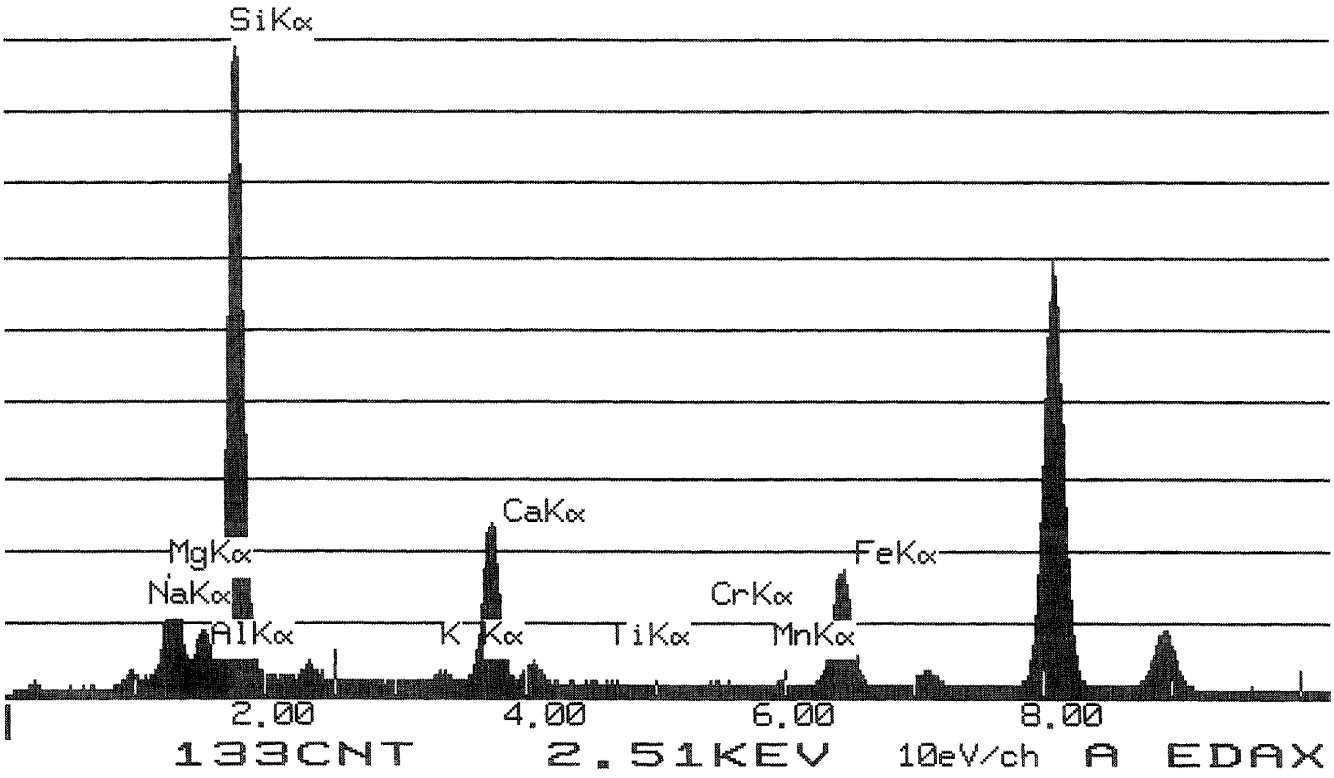


INTE-% :
LABEL = 041191-58 15283
10-JAN-73 05:53:07
200.000 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	58.680	9.034	14.979
ALK	19.695	1.821	3.441
SIK	316.330	27.390	58.596
K K	2.685	0.386	0.465
CAK	93.095	7.685	10.753
FEK	75.035	8.229	11.765
TOTAL			100.000

USED PEIF: USER

09-JAN-05 05:54:54 SUPER QUANT
RATE= 267CPS TIME= 200LSEC
FS= 6807/ 6807 PRST= 200LSEC
A =041191-62 15284



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	58.596	Si+4	8.0000	8.0000							
Al2O3	3.441	Al+3	0.5619	0.0000	0.5619						
TiO2	0	Ti+4	0.0000	0.0000	0.0000						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	11.765	Fe+3	0.0639			0.0639	0.0000				
MgO	14.979	Mg+2	3.0798			3.0798	0.0000				
MnO	0	Fe+2	1.2907			1.2907	0.0000				
CaO	10.753	Mn+2	0.0000			0.0000	0.0000				
Na2O	0	Ca+2	1.5913					1.5913	0.0000		
K2O	0.465	Na+	0.0000					0.0000	0.0000	0.0000	0.0000
		K+	0.0867							0.0867	0.0000
Total	99.999		Excess	T site	0.5619	C site	0.0000	B site	0	A site	0
			Total	8		4.9963		1.5913		0.0867	0.0000
			%Fill	100		99.9265		79.5644			

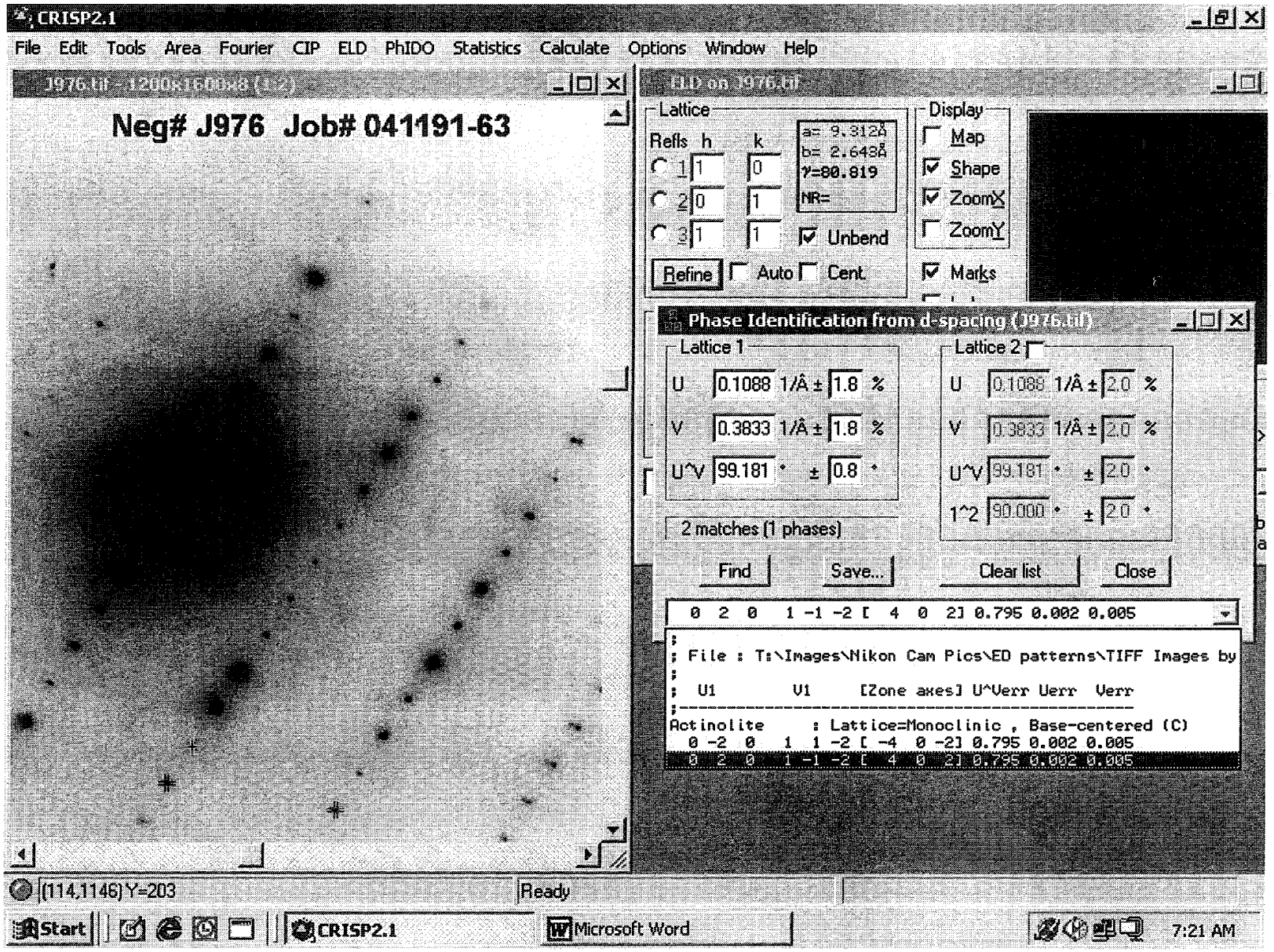
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-62-15284

Values		Satisfied Conditions
(Ca,Na)@B	1.59	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.59	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.09	Si > 7.5
Mg/(Mg+Fe2)	0.70	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[2 0 1]



SQMTF -38/80

SQMTF: QUANTIFY
Standardless Analysis

Refit _NAK' _NAK"
Refit _ALK' _ALK" _K K" _FEK" _NAK
Chi-sqd = 2.24

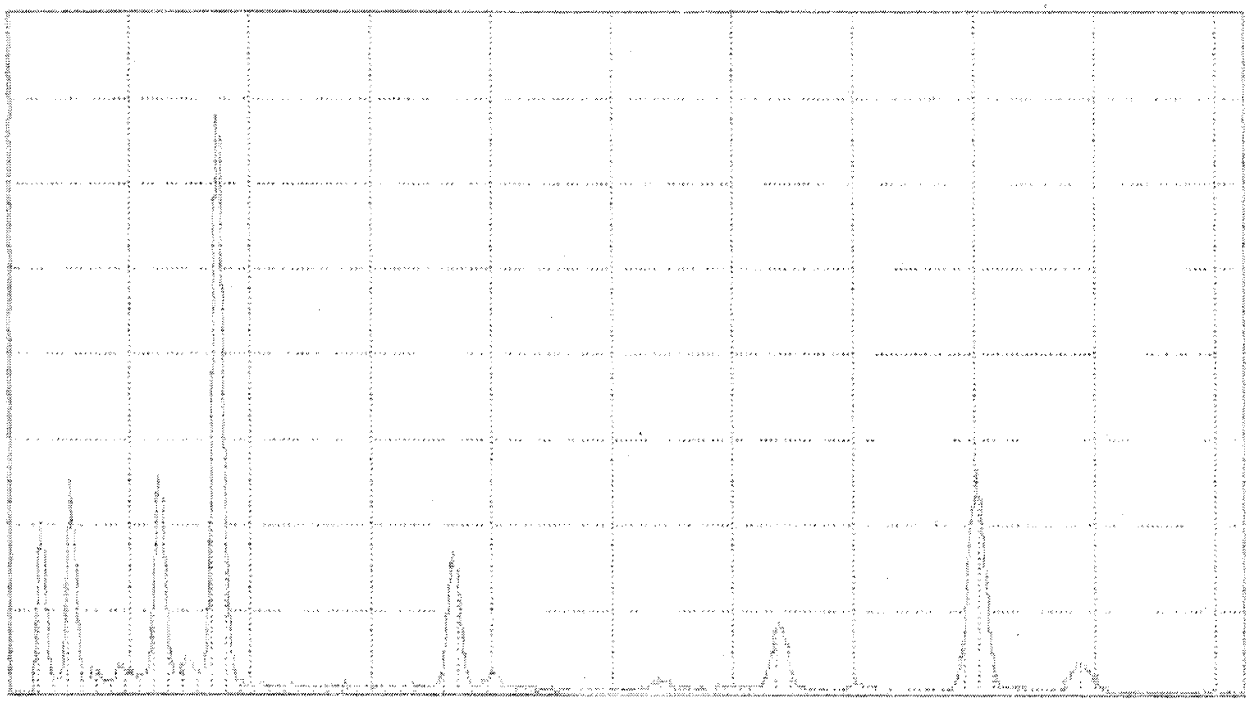
Element	Net Counts		
Si-K	9520	+/-	138
Mg-K	3321	+/-	112
Al-K	319	+/-	64
K -K	44	+/-	27
Ca-K	2991	+/-	109
Fe-K	1861	+/-	62
Na-K	0	+/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

EXEC(7-C) DATA LABEL

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	9520	1.000	1.000	21.53	27.88	59.74	SIO2
MG-K	3321	1.000	0.349	8.76	9.73	16.21	MGO
AL-K	319	0.750	0.025	0.56	0.70	1.33	AL2O3
K-K	44	1.060	0.005	0.08	0.14	0.17	K2O
CA-K	2991	0.949	0.298	4.50	8.32	11.65	CAO
FE-K	1861	1.399	0.274	2.95	7.63	10.90	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.636	61.62	45.60		

TN-5500 University of Washington / JEOL TUE 02-NOV-04 14:49
Cursor: 0.000keV = 0



0.000 VFS = 1024 10.240
0 041191-63 SH708

1.30

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	59.74	Si+4	8.0000	8.0000							
Al2O3	1.33	Al+3	0.2338	0.0000	**0.2338**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	10.9	Fe+3	0.0233			0.0233	0.0000				
MgO	16.21	Mg+2	3.3614			3.3614	**0.0000**				
MnO	0	Fe+2	1.2640			1.2640	**0.0000**				
CaO	11.65	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7457					1.7457	0.0000		
K2O	0.17	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0501							0.0501	0.0000
Total	**100**		**Excess**	T site	**0.2338**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.8824**		**1.7457**		**0.0501**	**0.0000**
			%Fill	**100**		**97.6481**		**87.2827**			

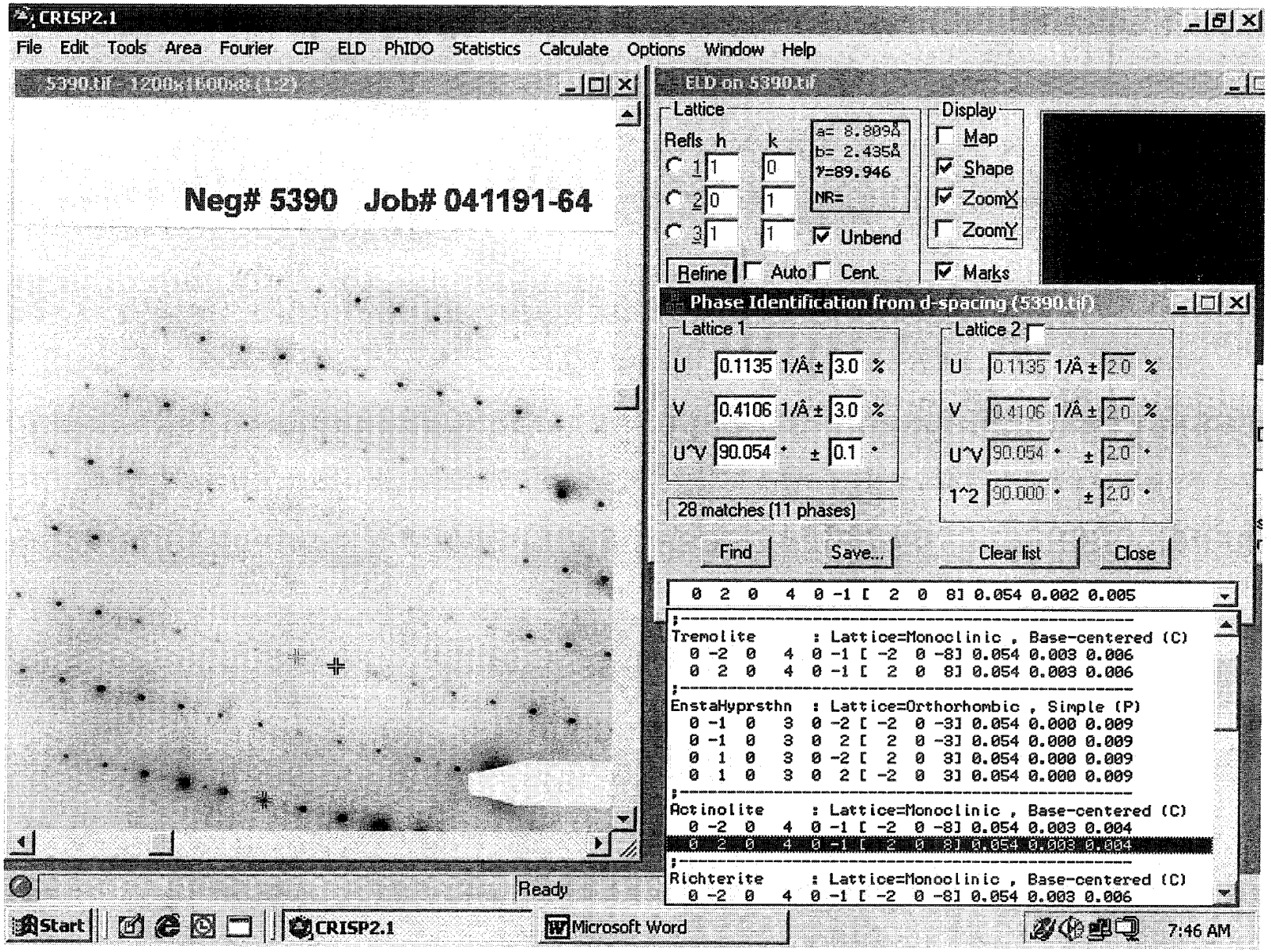
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # 041191-63-708

Values		Satisfied Conditions
(Ca,Na)@B	1.75	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.75	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.05	Si > 7.5
Mg/(Mg+Fe2)	0.73	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[104]

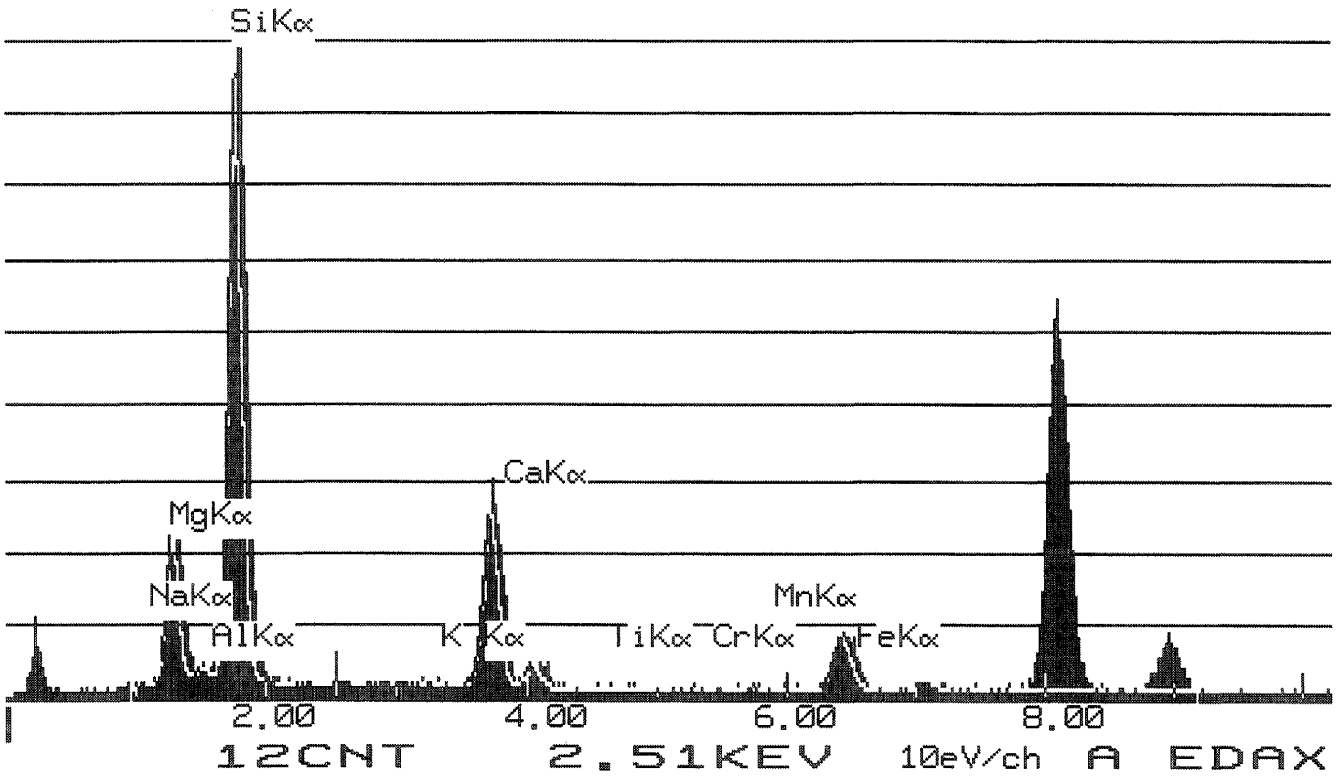


INTE-% :
LABEL = 041191-64 15286
10-JAN-73 18:02:14
36.190 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	68.528	12.607	20.903
ALK	6.466	0.715	1.350
SIK	266.486	27.572	58.987
CAK	93.867	9.260	12.956
FEK	30.976	4.059	5.804
TOTAL			100.000

USED PEIF: USER

09-JAN-05 18:02:46 SUPER QUANT
RATE= 24CPS TIME= 36LSEC
FS= 1109/ 1109 PRST= 200LSEC
A =041191-64 15286



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	58.987	Si+4	7.9567	7.9567							
Al2O3	1.35	Al+3	0.2146	0.0433	**0.1713**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	5.804	Fe+3	0.0884			0.0884	0.0000				
MgO	20.903	Mg+2	4.2035			4.2035	**0.0000**				
MnO	0	Fe+2	0.5564			0.5369	**0.0196**				
CaO	12.956	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.8723					1.8723	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	100		Excess	T site	**0.1713**	C site	**0.0196**	B site	**0**	A site	**0**
			Total	8		5.0000		1.8723		0.0000	0.0000
			%Fill	100		100		93.6134			

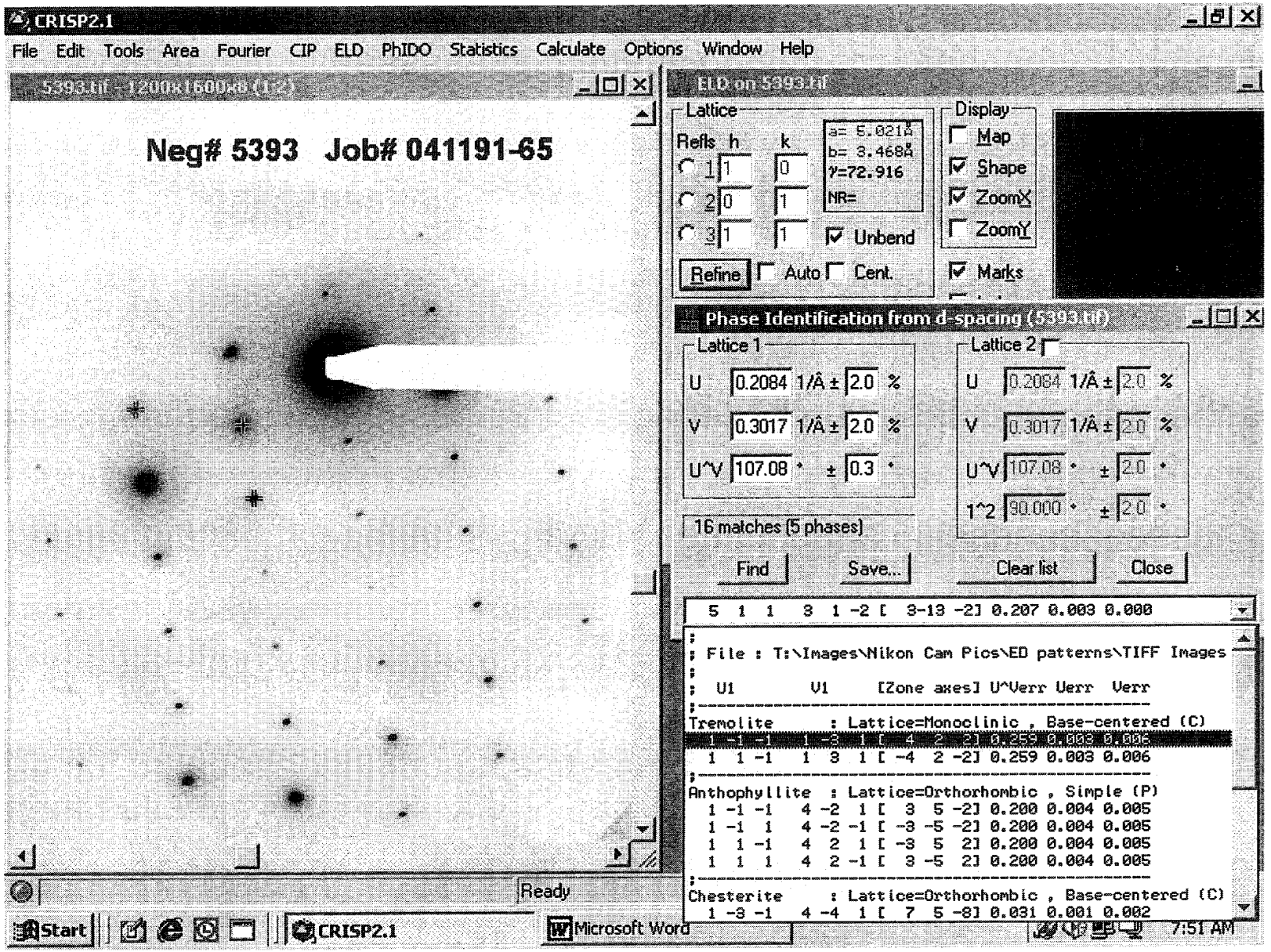
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-64-15286

Values		Satisfied Conditions
(Ca,Na)@B	1.87	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.87	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.88	(Mg/(Mg+Fe2))< 0.9
Si	7.96	

Mineral Analysis Program (Version 5.0)

TREMOLITE
[2 1 1]



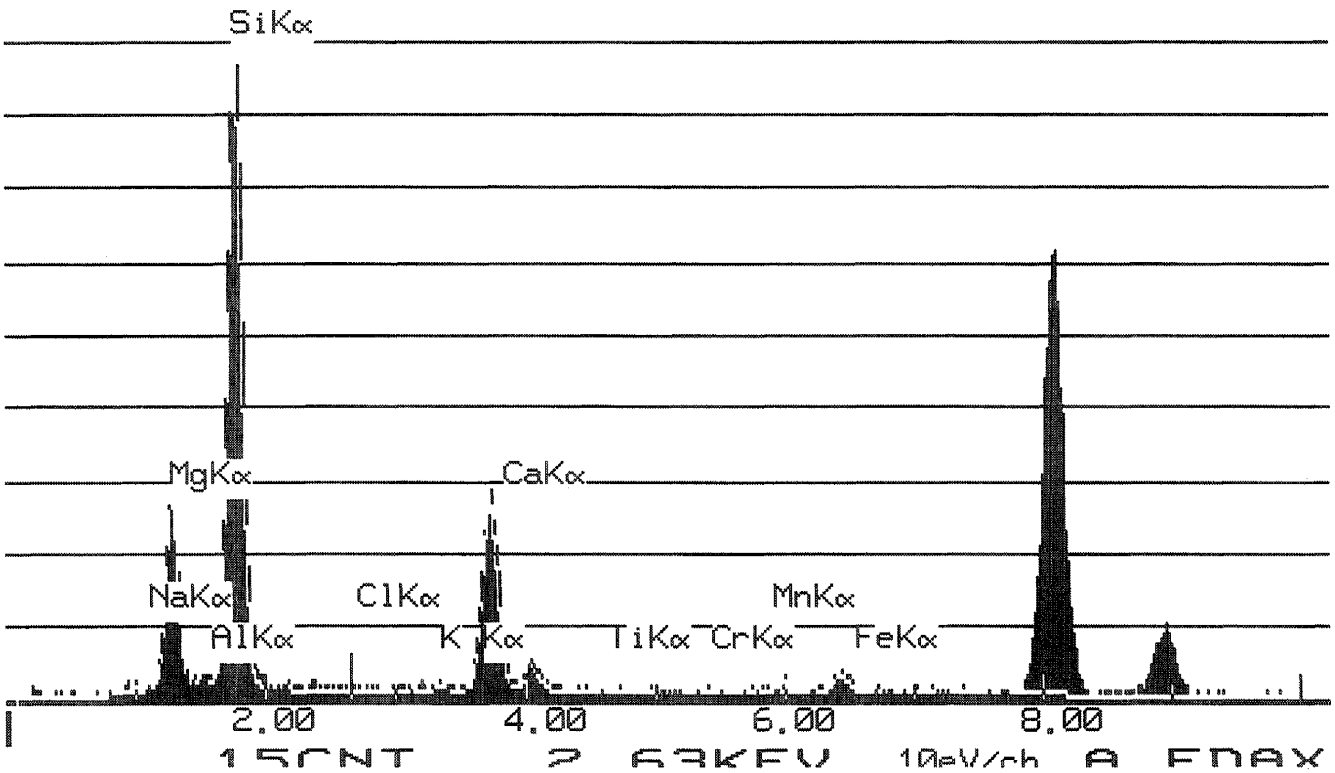
INTE-% :
LABEL = 041191-65 15288
04-NOV-72 05:22:16
58.215 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	47.565	14.386	23.854
ALK	0.670	0.122	0.230
SIK	165.663	28.180	60.288
K K	0.481	0.136	0.164
CAK	56.841	9.219	12.899
CRK	0.378	0.085	0.125
MNK	1.563	0.366	0.472
FEK	6.390	1.377	1.968

TOTAL			100.000

USED PEIF: USER

03-NOV-04 05:22:30 SUPER QUANT
RATE= 1CPS TIME= 58LSEC
FS= 1025/ 1025 PRST= 200LSEC
A =041191-65 15288



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	60.288	Si+4	8.0000	8.0000							
Al2O3	0.23	Al+3	0.0374	0.0000	**0.0374**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0.125	Cr+3	0.0140			0.0140	0.0000				
Fe(total)O	1.968	Fe+3	0.0973			0.0973	0.0000				
MgO	23.854	Mg+2	4.7327			4.7327	**0.0000**				
MnO	0.472	Fe+2	0.1135			0.1135	**0.0000**				
CaO	12.899	Mn+2	0.0550			0.0051	**0.0500**				
Na2O	0	Ca+2	1.8402					1.8402	0.0000		
K2O	0.164	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0292							0.0292	0.0000
Total	100		Excess	T site	**0.0374**	C site	**0.0500**	B site	**0**	A site	**0**
			Total	8		5.0000		1.8402		0.0292	0.0000
			%Fill	100		100		92.0095			

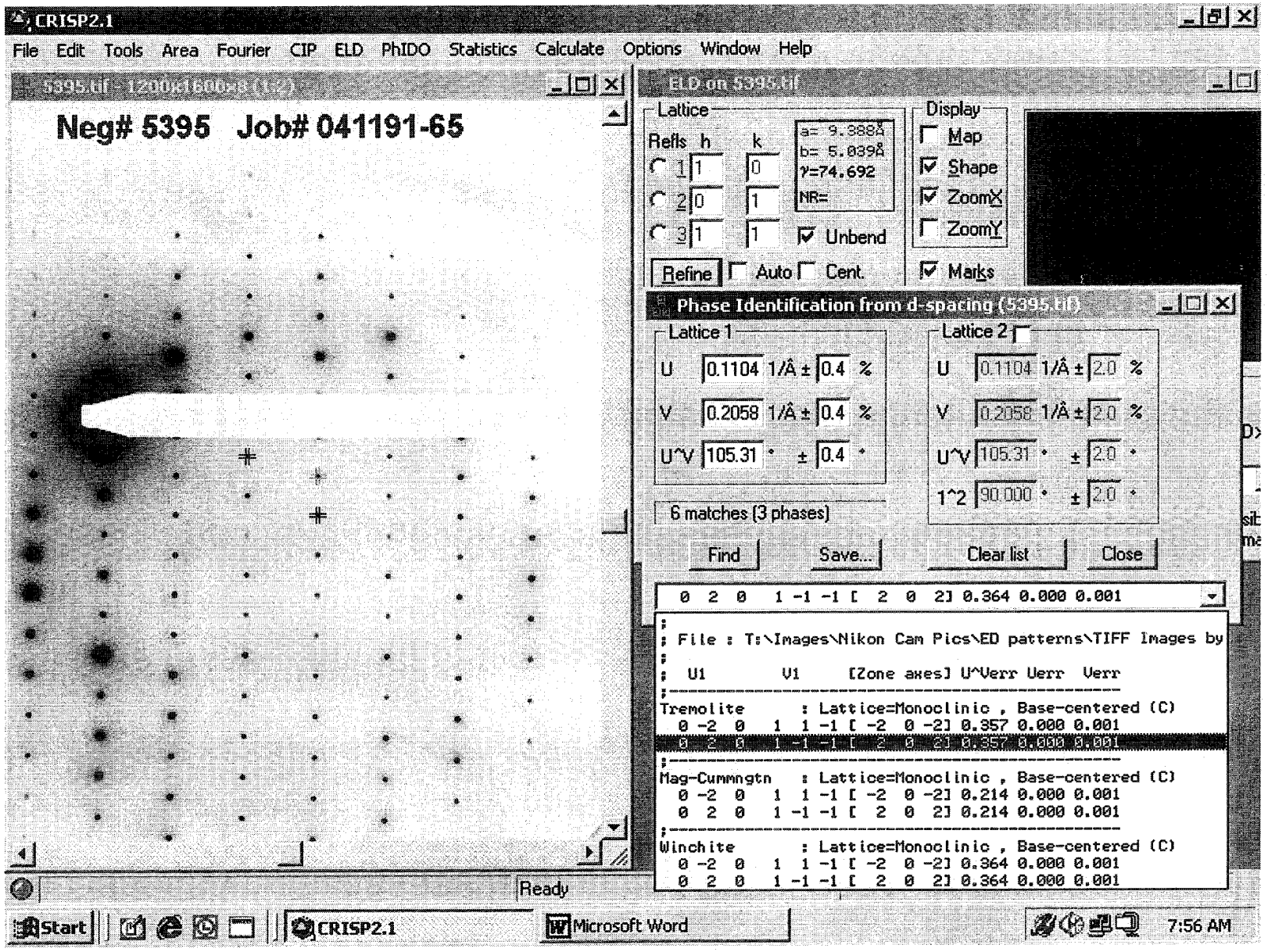
Prefix	none
Name	tremolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-65

Values		Satisfied Conditions
(Ca,Na)@B	1.84	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.84	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.03	Si > 7.5
Mg/(Mg+Fe2)	0.98	(Mg/(Mg+Fe2))>= 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

TREMOLITE
[1 0 1]

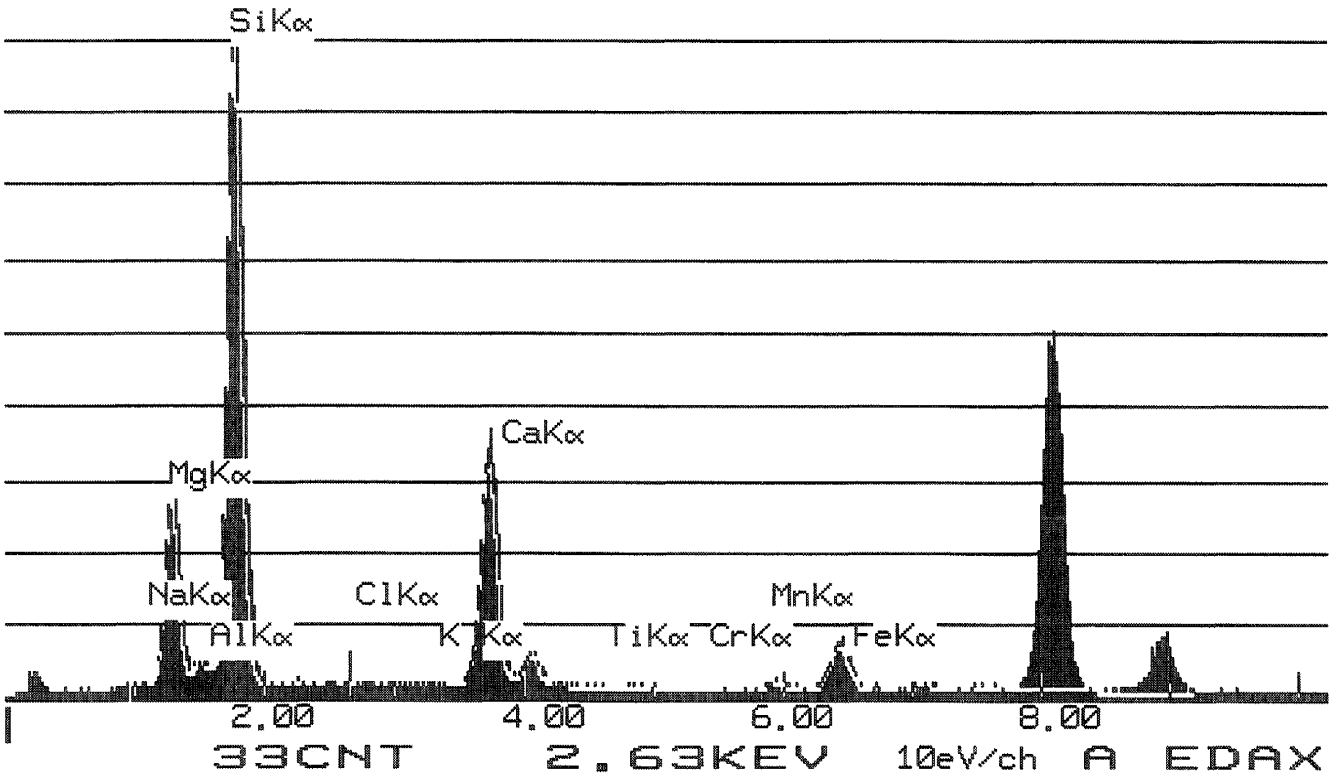


INTE-% :
LABEL = 041191-65 15291
11-JAN-73 00:07:45
42.102 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	96.718	13.365	22.161
ALK	9.976	0.828	1.565
SIK	342.099	26.589	56.882
CAK	140.778	10.432	14.596
MNK	3.183	0.340	0.439
FEK	30.949	3.047	4.356
TOTAL			100.000

USED PEIF: USER

10-JAN-05 00:08:13 SUPER QUANT
RATE= 15CPS TIME= 42LSEC
FS= 1495/ 1495 PRST= 200LSEC
A =041191-65 15291



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.882	Si+4	7.7295	7.7295							
Al2O3	1.565	Al+3	0.2506	0.2506	**0.0000**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	4.356	Fe+3	0.0134			0.0134	0.0000				
MgO	22.161	Mg+2	4.4894			4.4894	**0.0000**				
MnO	0.439	Fe+2	0.4801			0.4801	**0.0000**				
CaO	14.596	Mn+2	0.0505			0.0171	**0.0334**				
Na2O	0	Ca+2	2.1249					1.9666	0.1583		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**99.999**		**Excess**	T site	**0.0000**	C site	**0.0334**	B site	**0.1583177**	A site	**0**
			Total	**7.9802**		**5.0000**		**1.9666**		**0.0000**	**0.0000**
			%Fill	**99.752**		**100**		**98.3281**			

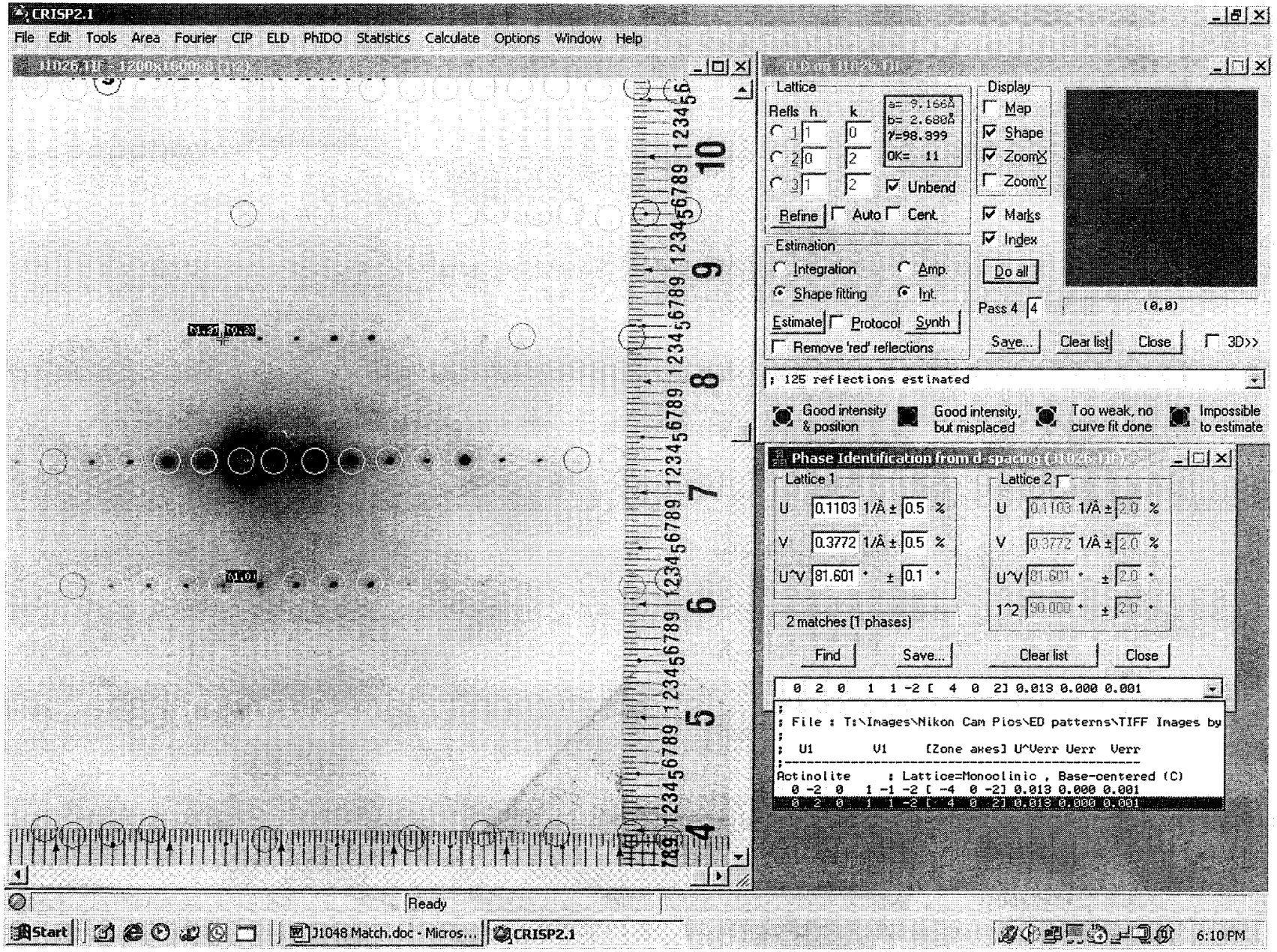
Prefix	none
Name	tremolite
Modifier	none
Group	Calcic Amphibole

Sample # **041191-65-15291**

Values		Satisfied Conditions
(Ca,Na)@B	1.97	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.97	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.90	(Mg/(Mg+Fe2))>= 0.9
Si	7.73	

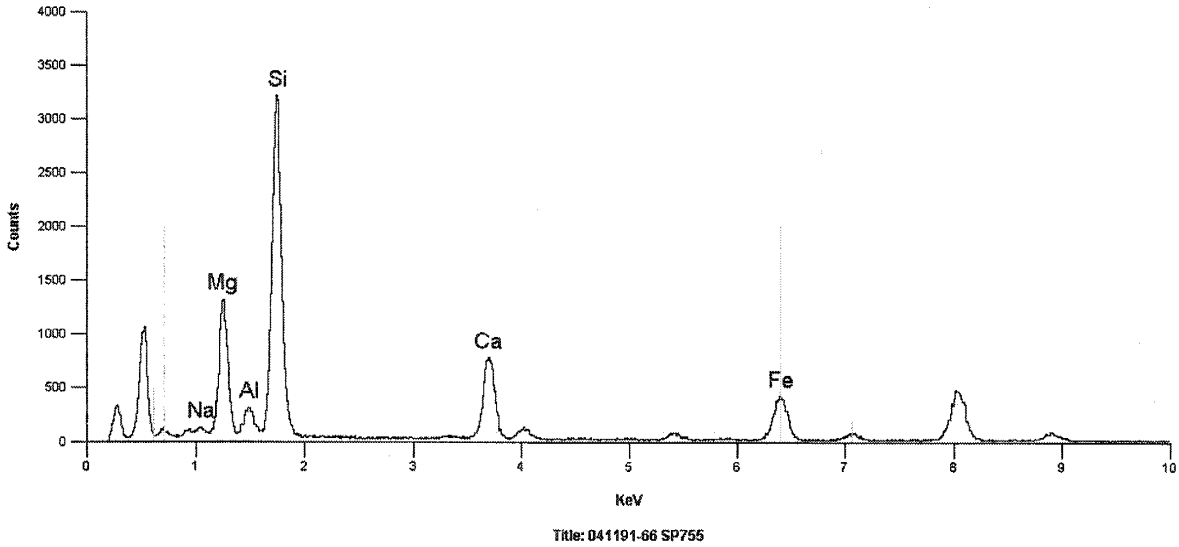
Mineral Analysis Program (Version 5.0)

Neg # J1026, Sample #041191-66
ACTINOLITE
[2 0 1]



Quantitative Analysis Results - Standardless Analysis :
Spectrum1 041191-66 SP755 Jan 1, 1997

Element	Atoms%	Compound	Weight%	Error(±)	Norm%
Mg	32.31	MgO	42.44	0.13	24.01
Al	7.37	Al2O3	12.24	0.04	6.93
Si	39.31	SiO2	76.97	0.18	43.55
K	0.40	K2O	0.62	0.04	0.35
Ca	11.80	CaO	21.56	0.08	12.20
Fe	8.81	Fe2O3	22.91	0.13	12.96
<Total>	100.00		176.74		100.00



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.78	Si+4	7.9823	7.9823							
Al2O3	2.82	Al+3	0.4591	0.0177	**0.4415**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	11.61	Fe+3	0.0362			0.0362	0.0000				
MgO	15.62	Mg+2	3.2171			3.2171	**0.0000**				
MnO	0	Fe+2	1.3009			1.3009	**0.0000**				
CaO	11.27	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.59	Ca+2	1.6680					1.6680	0.0000		
K2O	0.31	Na+	0.1580					0.1580	**0.0000**	0.0000	0.0000
		K+	0.0546							0.0546	0.0000
Total	**100**		**Excess**	T site	**0.4415**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.9957**		**1.8260**		**0.0546**	**0.0000**
			%Fill	**100**		**99.9133**		**91.3014**			

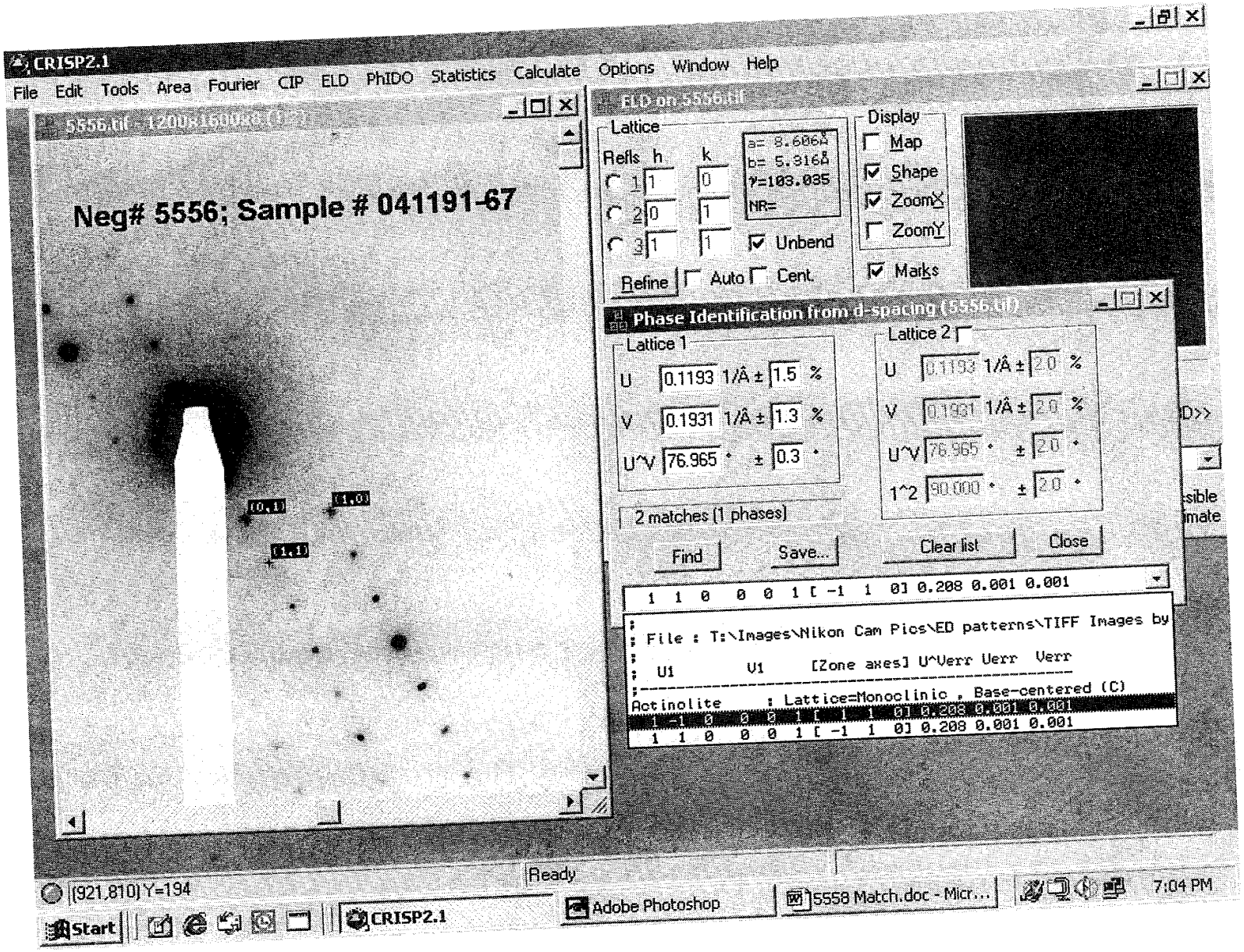
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-66-755**

Values		Satisfied Conditions
(Ca,Na)@B	1.83	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.16	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.67	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.05	Si > 7.5
Mg/(Mg+Fe2)	0.71	(Mg/(Mg+Fe2))< 0.9
Si	7.98	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 1 0]



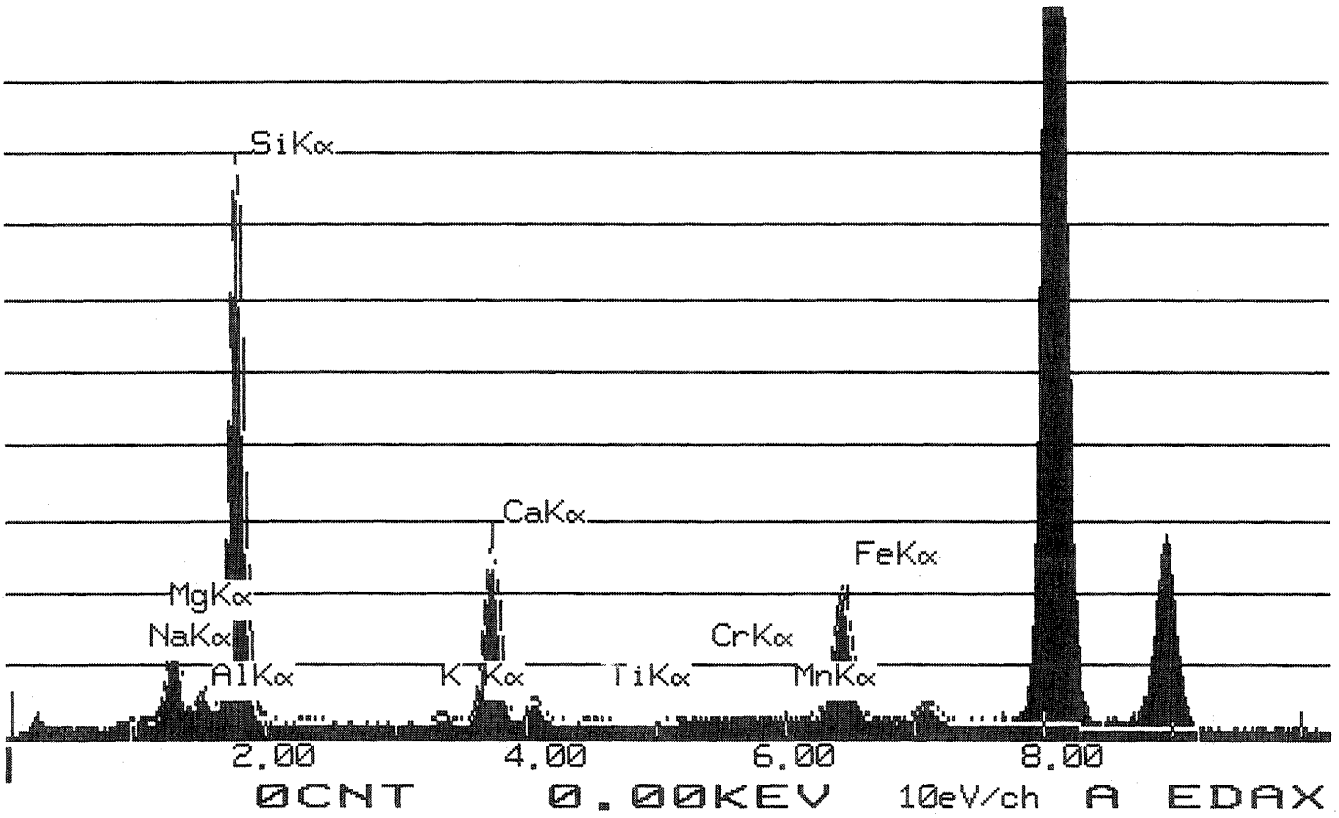
INTE-% :
LABEL = 041191-67 15429
25-NOV-72 03:44:25
152.332 LIVE SECONDS

Ex-standard
Actinolite

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	15.663	7.821	12.967
ALK	3.709	1.112	2.102
SIK	94.721	26.599	56.906
K K	0.906	0.423	0.509
CAK	34.064	9.120	12.761
FEK	29.016	10.320	14.755
TOTAL			100.000

USED PEIF: USER

24-NOV-04 03:44:47 SUPER QUANT
RATE= 462CPS TIME= 152LSEC
FS= 1819/ 1819 PRST= 200LSEC
A =041191-67 15429



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.906	Si+4	8.0000	8.0000							
Al2O3	2.102	Al+3	0.3508	0.0000	**0.3508**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	14.755	Fe+3	0.0168			0.0168	0.0000				
MgO	12.967	Mg+2	2.7283			2.7283	**0.0000**				
MnO	0	Fe+2	1.7235			1.7235	**0.0000**				
CaO	12.761	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.9295					1.9295	0.0000		
K2O	0.509	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0934							0.0934	0.0000
Total	**100**		**Excess**	T site	**0.3508**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.8194**		**1.9295**		**0.0934**	**0.0000**
			%Fill	**100**		**96.3886**		**96.4749**			

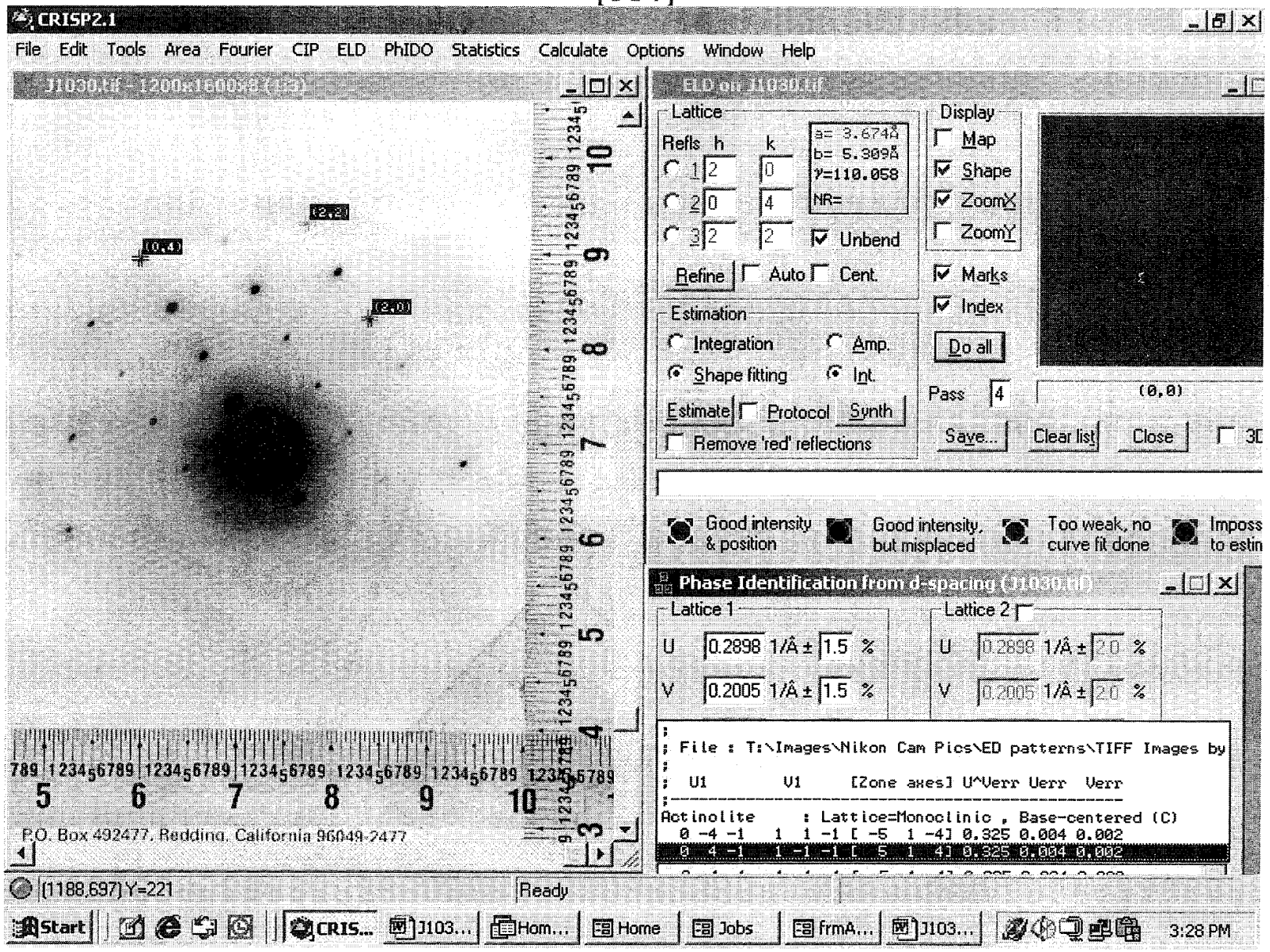
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-67-15429**

Values		Satisfied Conditions
(Ca,Na)@B	1.93	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.93	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.09	Si > 7.5
Mg/(Mg+Fe2)	0.61	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

Neg# J1030 Job# 041191-68
ACTINOLITE
[5 1 4]



SWMTF: QUANTIFY
Standardless Analysis

Refit _ALK' _ALK" _K K' _K K" _NAK' _NAK"
Refit _SIK' _MAK' _K K _NAK
Chi-sqd = 2.92

Element	Net Counts		
Si-K	11533	+/-	152
Mg-K	3172	+/-	107
Al-K	296	+/-	61
K-K	0	+/-	0
Ca-K	4276	+/-	176
Fe-K	3966	+/-	129
Na-K	0	+/-	0

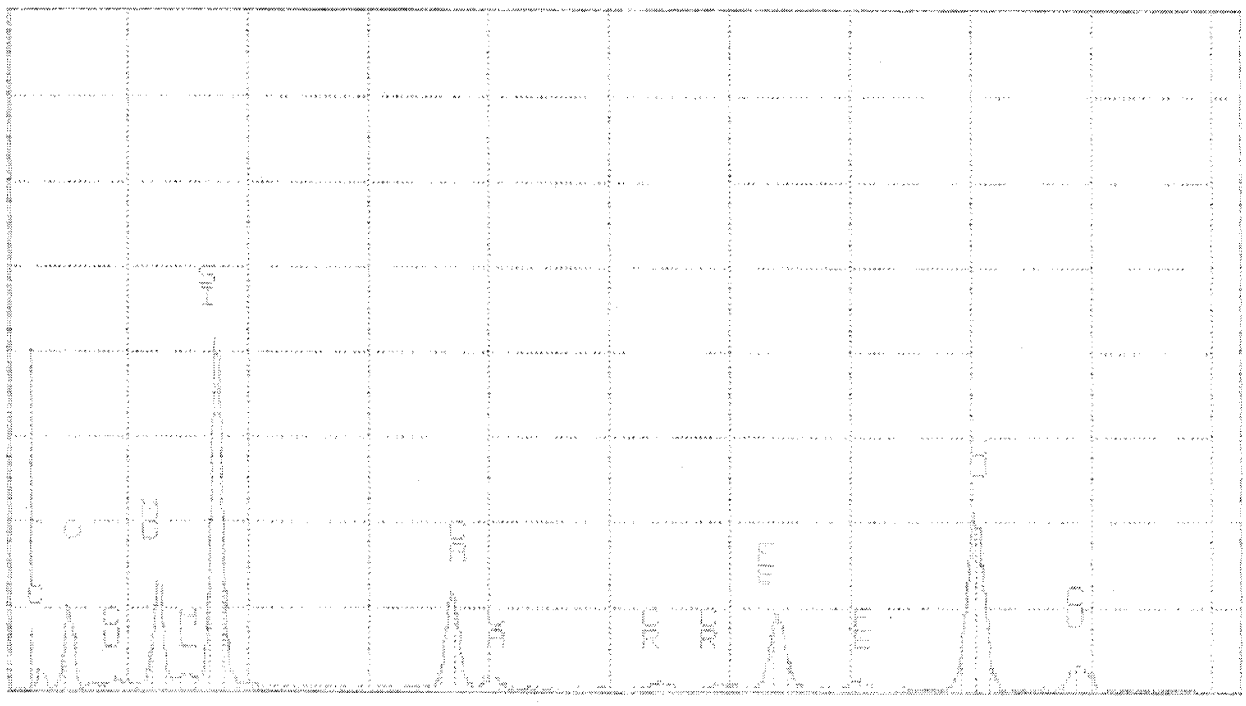
REF.8 FUS:SIK FUS:MAK FUS:ALK FUS:K K FUS:CAK FUS:FEK
FUS:NAK

041191-68 SP7[redacted] 759

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	11533	1.000	1.000	20.89	26.19	56.11	SIO2
MG-K	3172	1.000	0.275	6.70	7.20	12.01	MGO
AL-K	296	0.750	0.019	0.42	0.51	0.95	AL2O3
K-K	0	1.060	0.000	0.00	0.00	0.00	K2O
CA-K	4276	0.949	0.352	5.15	9.22	12.91	CAO
FE-K	3966	1.399	0.481	5.03	12.61	18.01	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.691	61.81	44.27		

1,30
*

TN-5500 University of Washington / JEOL TUE 16-NOV-04 11:50
Cursor: 0.000KeV = 0



0.000 E- 5 VFS = 2048 10.240
0 041191-68 SP[redacted] 759

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.11	Si+4	8.0000	8.0000							
Al2O3	0.95	Al+3	0.1635	0.0000	**0.1635**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	18.01	Fe+3	0.0215			0.0215	0.0000				
MgO	12.01	Mg+2	2.5703			2.5703	**0.0000**				
MnO	0	Fe+2	2.1380			2.1380	**0.0000**				
CaO	12.91	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.9850					1.9850	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	99.99		Excess	T site	**0.1635**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	8		4.8933		1.9850		0.0000	0.0000
			%Fill	100		97.8658		99.2502			

Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

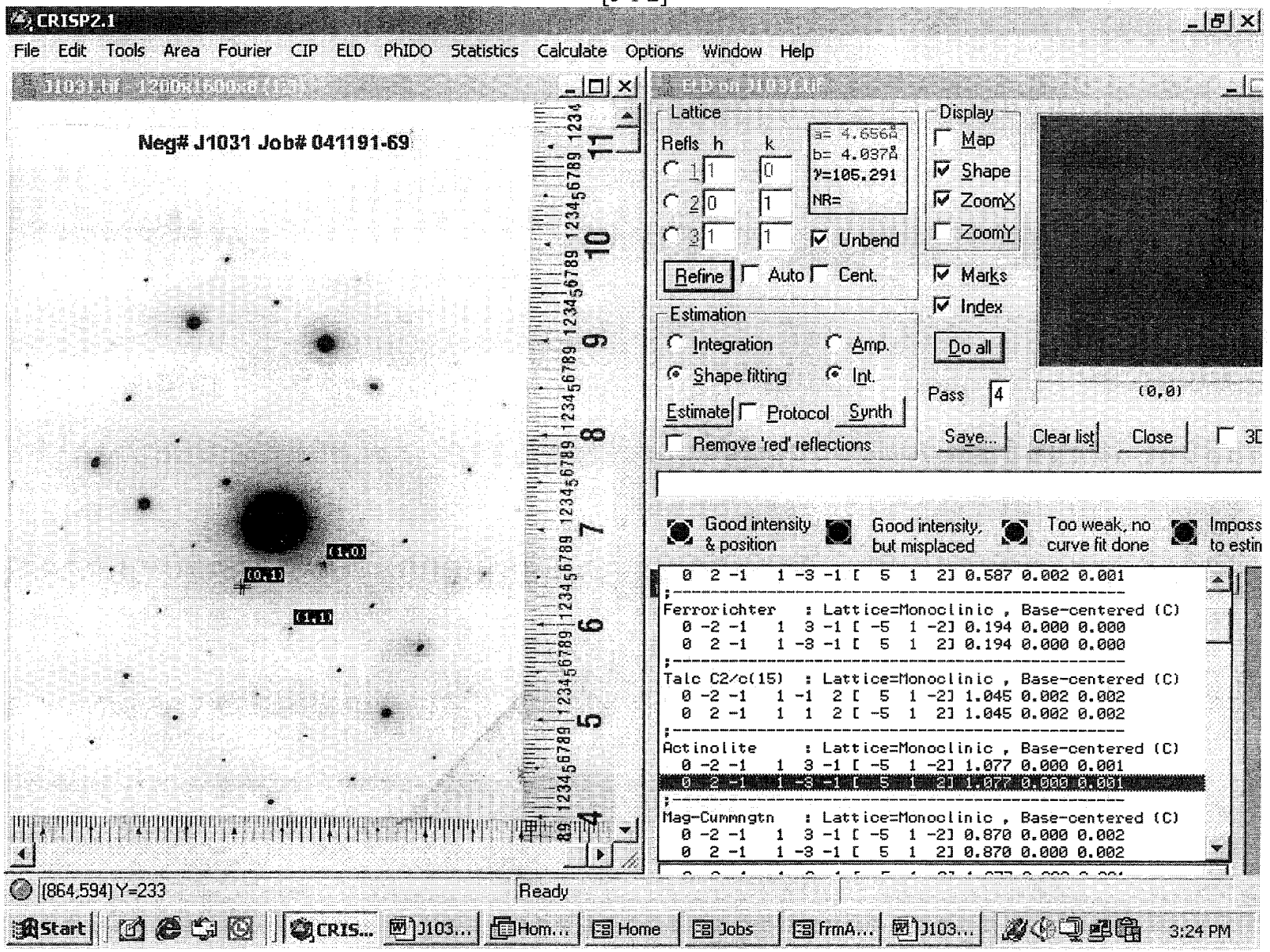
Sample # 041191-68-759

Values		Satisfied Conditions
(Ca,Na)@B	1.99	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.99	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.55	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

Actinolite

[5 1 2]



*X 'SQMTF'
SQMTF: QUANTIFY
Standardless Analysis

Refit _K K' _K K" _NAK' _NAK"
Refit _ALK' _ALK" _FEK' _NAK
Chi-sqd = 3.58

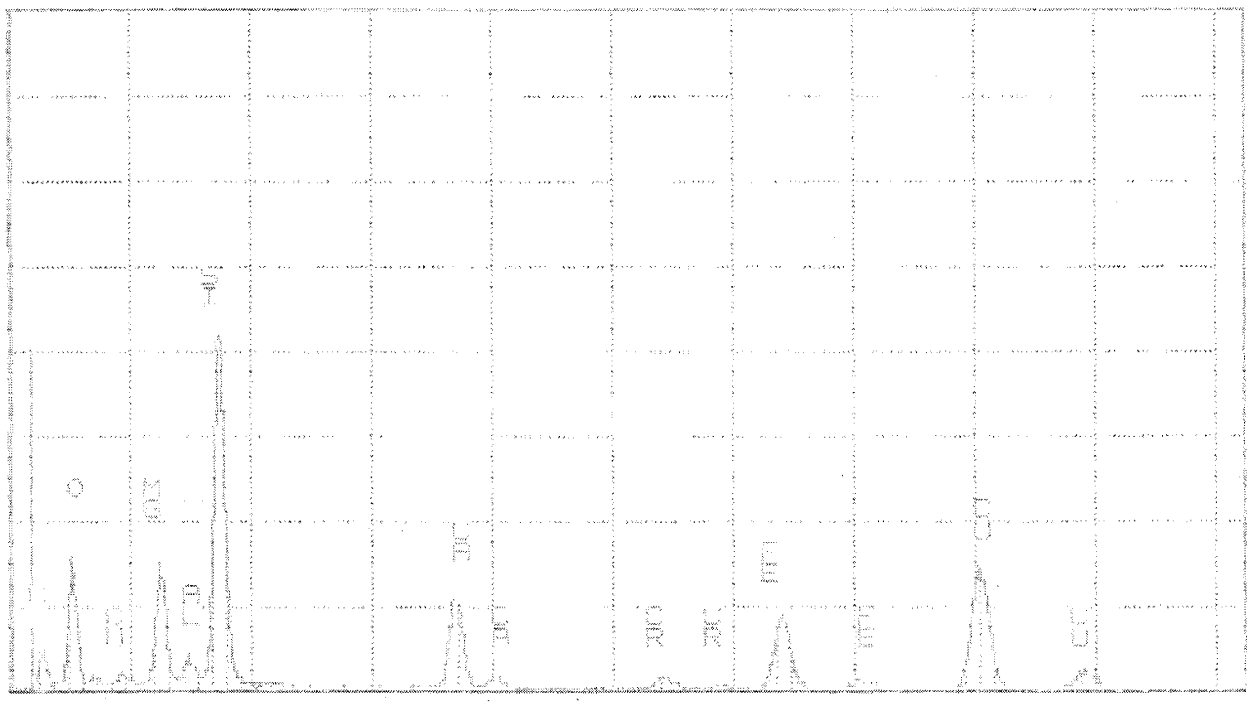
Element	Net Counts	
Si-K	11621 +/-	158
Mg-K	3690 +/-	120
Al-K	884 +/-	76
K -K	66 +/-	29
Ca-K	3973 +/-	124
Fe-K	3977 +/-	119
Na-K	0 +/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:K K EDS:CAK EDS:FEK
EDS:NAK

041191-69 SP760

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	UI WT%	WT%	FORMULA
SI-K	11621	1.000	1.000	20.21	25.47	54.57	SIO2
MG-K	3690	1.000	0.318	7.48	8.09	13.48	MGO
AL-K	884	0.750	0.057	1.20	1.45	2.75	AL2O3
K-K	66	1.060	0.006	0.09	0.16	0.19	K2O
CA-K	3973	0.949	0.325	4.59	8.27	11.58	CAO
FE-K	3977	1.399	0.479	4.84	12.20	17.43	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
O			1.742	61.59	44.36		

TN 5500 University of Washington / JEOL TUE 16-NOV-04 17:54
Cursor: 0.000keV = 0



0.000 8- 5 VFS = 2048 10 240
50 041191-69 SP760

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.57	Si+4	7.7153	7.7153							
Al2O3	2.75	Al+3	0.4582	0.2847	**0.1735**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	17.43	Fe+3	0.5377			0.5377	0.0000				
MgO	13.48	Mg+2	2.8413			2.8413	**0.0000**				
MnO	0	Fe+2	1.4630			1.4475	**0.0156**				
CaO	11.58	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7540					1.7540	0.0000		
K2O	0.19	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0343							0.0343	0.0000
Total	100		Excess	T site	**0.1735**	C site	**0.0156**	B site	**0**	A site	**0**
			Total	8		5.0000		1.7540		0.0343	0.0000
			%Fill	100		100		87.7			

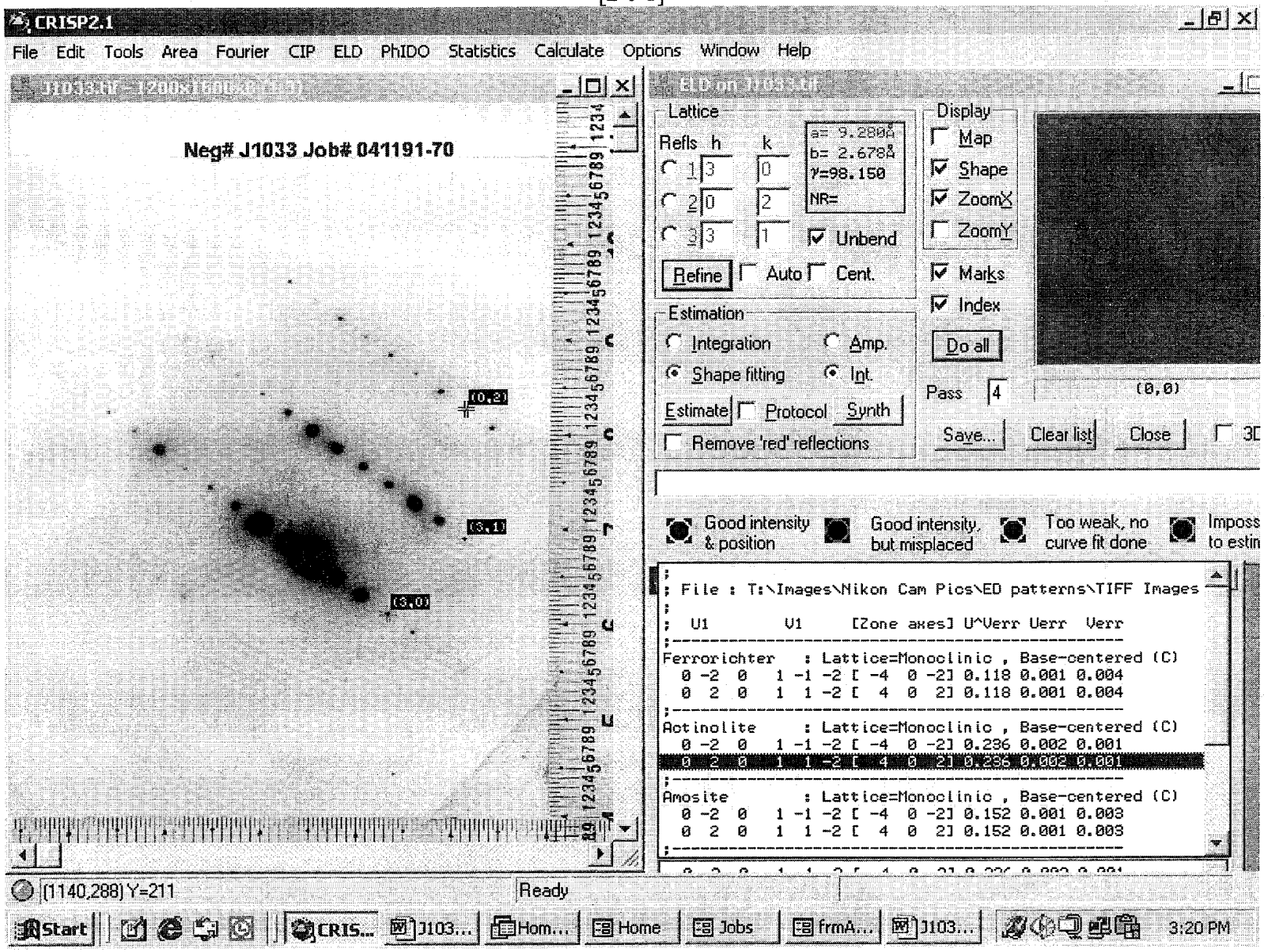
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # 041191-69-760

Values		Satisfied Conditions
(Ca,Na)@B	1.75	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.75	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.03	Si > 7.5
Mg/(Mg+Fe2)	0.66	(Mg/(Mg+Fe2))< 0.9
Si	7.72	

Actinolite

[2 0 1]

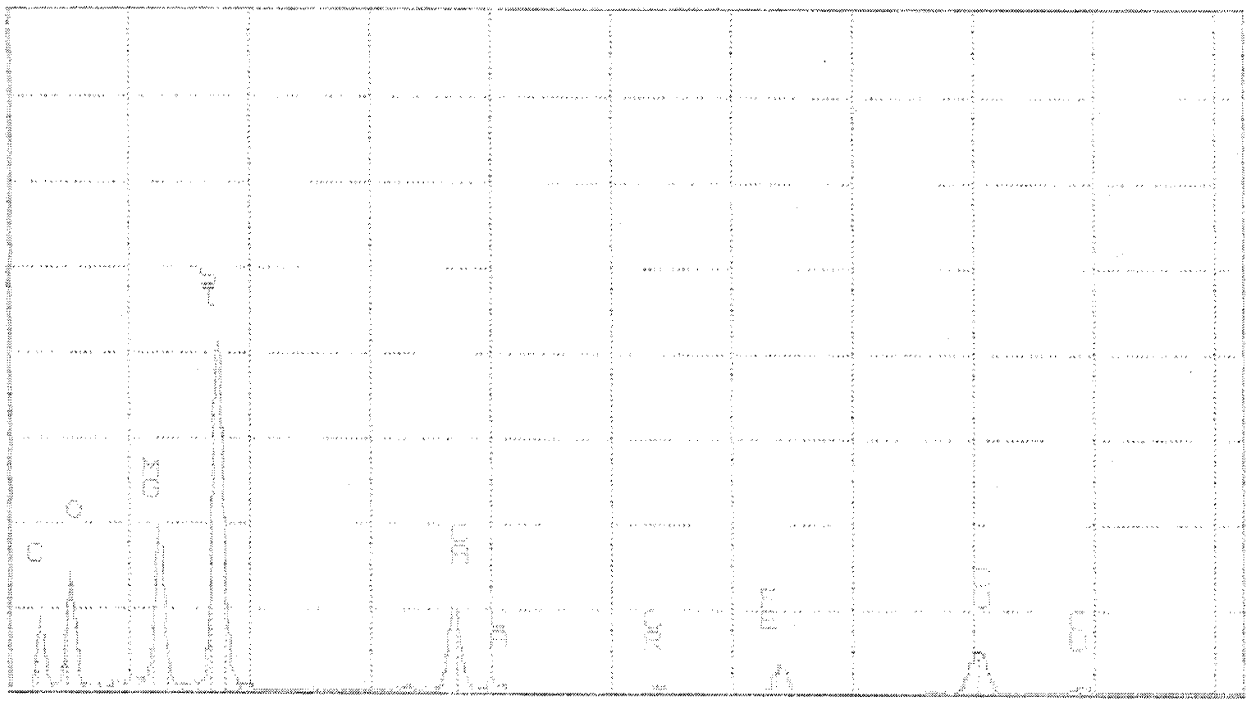


REF.S EDS:STK EDS:MGK EDS:ALK EDS:CAK EDS:FEK EDS:NAK
EDS:K K

041191-70 SP7A3

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
ST-K	5834	1.000	1.000	22.34	29.38	42.97	STO2
MG-K	2162	1.000	0.370	9.65	10.89	18.14	MGO
AL-K	0	0.750	0.000	0.00	0.00	0.00	AL2O3
CA-K	1719	0.949	0.280	4.38	8.22	11.51	CAO
FE-K	642	1.399	0.159	1.78	4.67	6.68	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
K-K	108	1.059	0.020	0.32	0.58	0.70	K2O
O			1.574	61.54	46.25		

TN-5500 University of Washington / JEOL WED 17-NOV-04 14:15
Cursor: 0.000KeV = 0



0.000 VFS = 1024 10.240
0 041191-70 SP7A3

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TN-5500 University of Washington / JEOL WED 17-NOV-04 14:49
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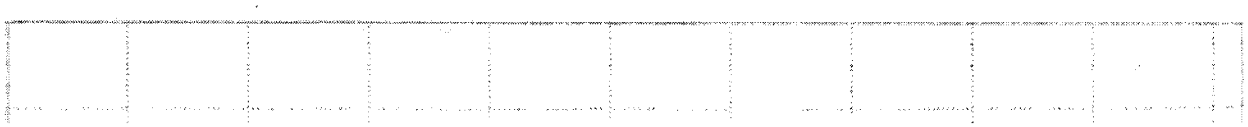


	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	62.97	Si+4	8.0000	8.0000							
Al2O3	0	Al+3	0.0000	0.0000	**0.0000**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	6.68	Fe+3	0.0407			0.0407	0.0000				
MgO	18.14	Mg+2	3.7643			3.7643	**0.0000**				
MnO	0	Fe+2	0.8177			0.8177	**0.0000**				
CaO	11.51	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7518					1.7518	0.0000		
K2O	0.7	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.1774							0.1774	0.0000
Total	**100**		**Excess**	T site	**0.0000**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.6227**		**1.7518**		**0.1774**	**0.0000**
			%Fill	**100**		**92.4545**		**87.588**			

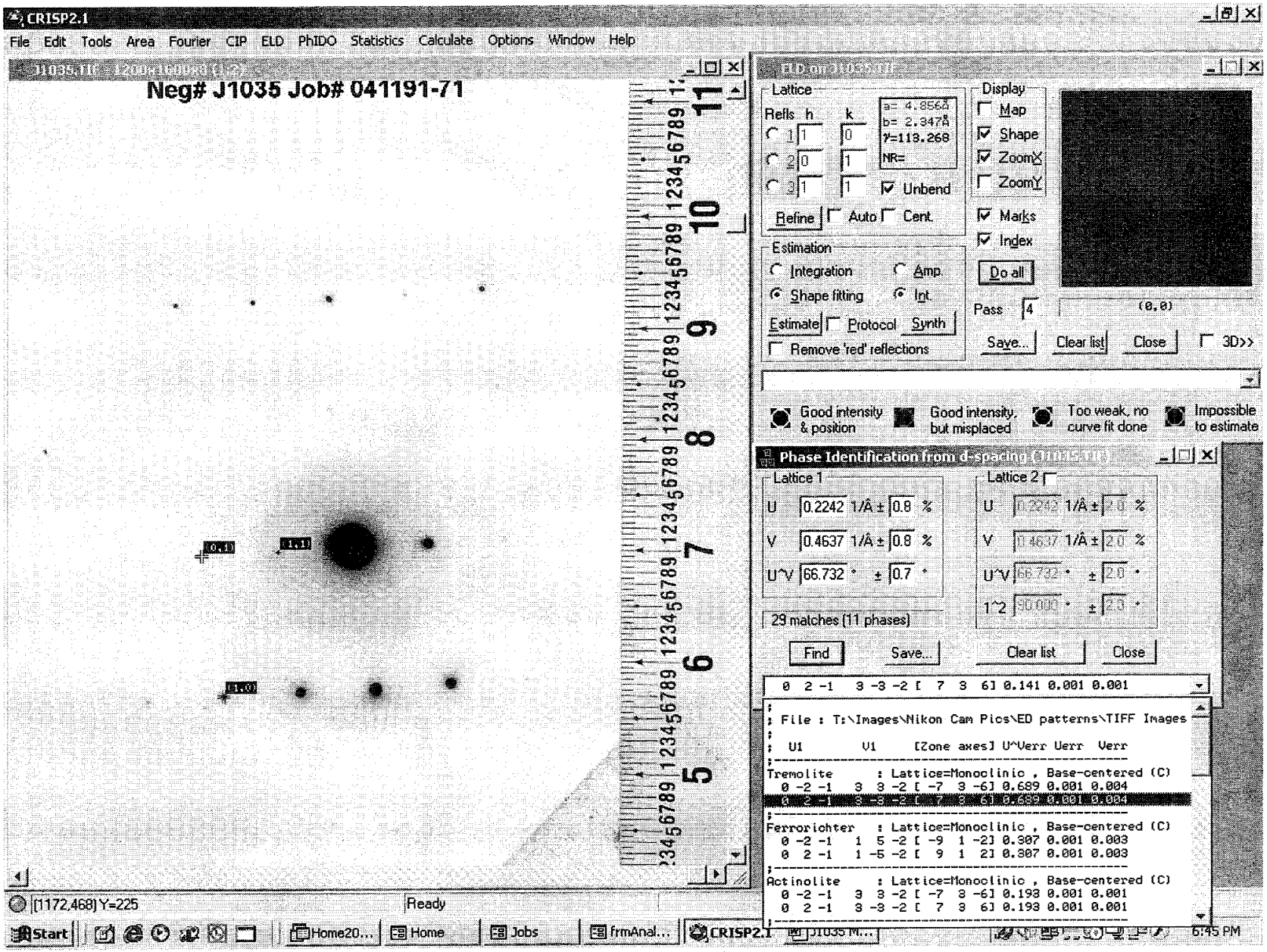
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-70-763**

Values		Satisfied Conditions
(Ca,Na)@B	1.75	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.75	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.18	Si > 7.5
Mg/(Mg+Fe2)	0.82	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

Neg #J1035 Sample 041191-71
TREMOLITE
[7 3 6]



SQMTF: QUANTIFY
Standardless Analysis

Refit _NAK' _NAK"
Refit _MGK' _ALK" _FEK' _FEK" _NAK _K K"
Chi-sqd = 1.72

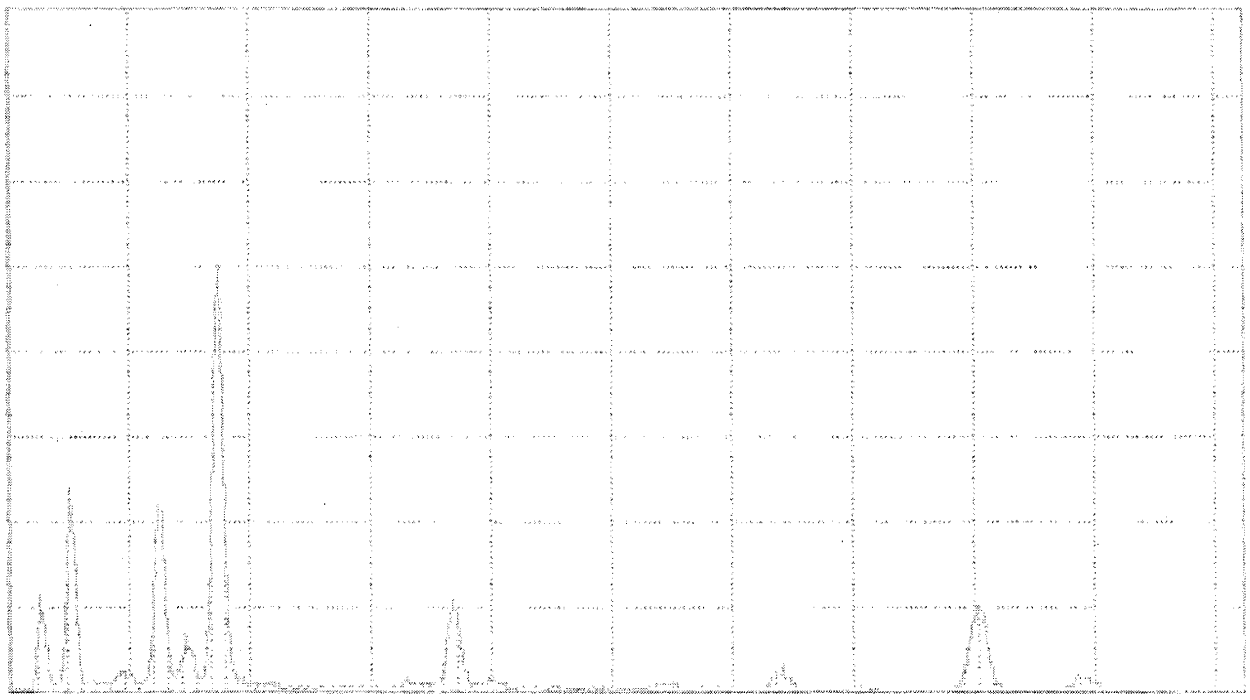
Element	Net Counts		
Si-K	6911	+/-	139
Mg-K	2944	+/-	105
Al-K	821	+/-	57
Ca-K	1764	+/-	89
Fe-K	520	+/-	35
Na-K	0	+/-	0
K -K	154	+/-	25

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:CAK EDS:FEK EDS:NAK
FIRS:K K

041191-71 SP765

ELEMENT	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	6911	1.000	1.000	21.18	28.25	60.53	SIO2
MG-K	2944	1.000	0.426	10.53	12.03	20.06	MGO
AL-K	821	0.750	0.089	1.96	2.57	4.76	AL2O3
CA-K	1764	0.949	0.243	3.60	6.85	9.59	CAO
FE-K	520	1.399	0.106	1.12	2.98	4.26	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
K-K	154	1.059	0.024	0.36	0.67	0.81	K2O
O			1.653	61.27	46.70		

TN-5500 University of Washington / JEOL WED 17-NOV-04 16:17
Cursor: 0.000KeV = 0



0.000 VFS = 1024 10.240

0 041191-71 SP765

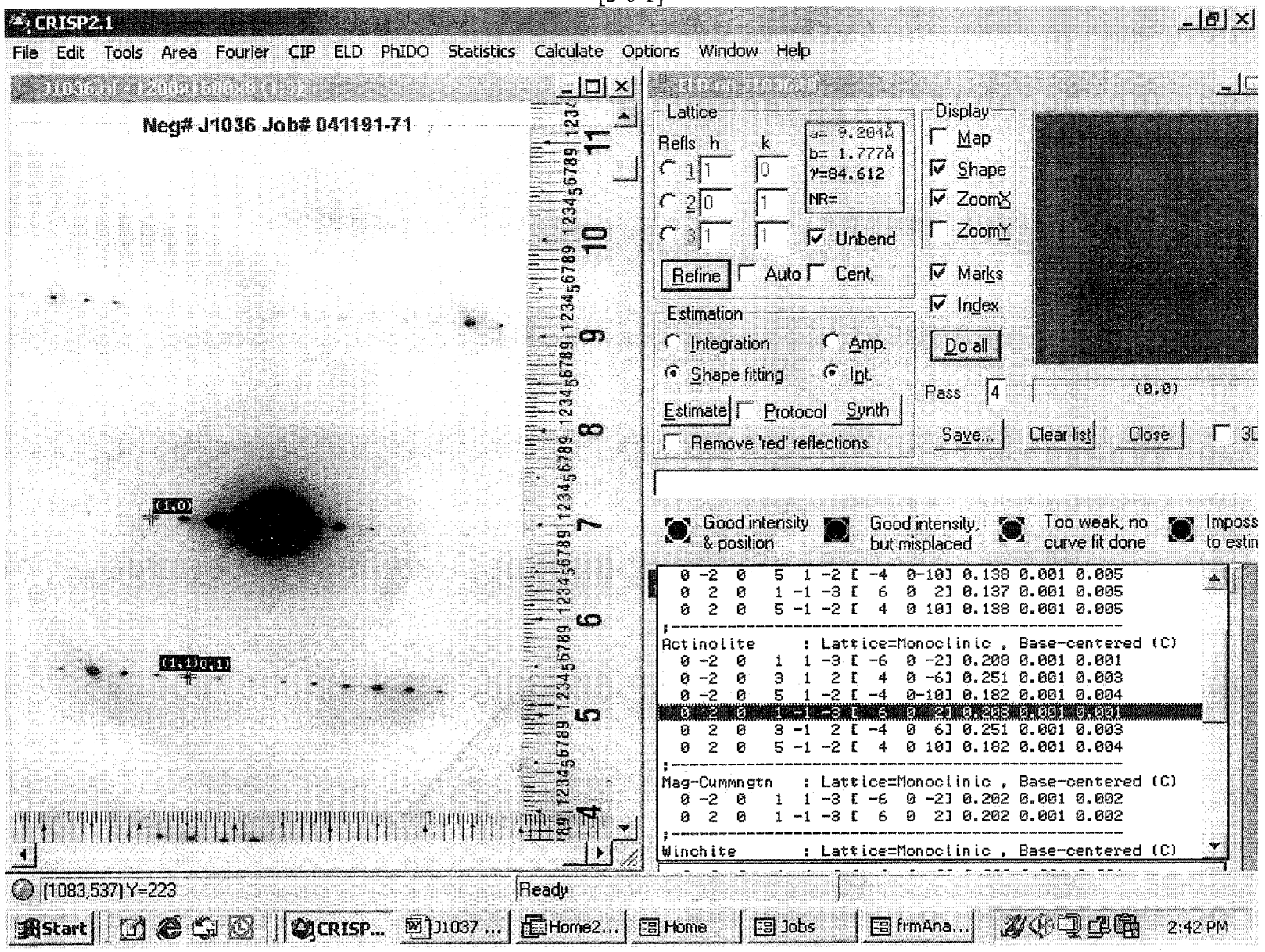
	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	60.53	Si+4	7.9853	7.9853							
Al2O3	4.76	Al+3	0.7400	0.0147	**0.7254**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	4.26	Fe+3	0.2072			0.2072	0.0000				
MgO	20.06	Mg+2	3.9453			3.9453	**0.0000**				
MnO	0	Fe+2	0.2397			0.1221	**0.1175**				
CaO	9.59	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.3554					1.3554	0.0000		
K2O	0.81	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.1363							0.1363	0.0000
Total	**100.01**		**Excess**	T site	**0.7254**	C site	**0.1175**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.3554**		**0.1363**	**0.0000**
			%Fill	**100**		**100**		**67.7692**			

Prefix none
Name probable tremolite Ca values below optimal levels
Modifier none
Group Calcic Amphibole

Sample # **041191-71-765**

Values		Satisfied Conditions
(Ca,Na)@B	1.36	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	1 < Ca@B < 1.5 and (Na,K)@A < 0.5
Ca@B	1.36	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.14	Si > 7.5
Mg/(Mg+Fe2)	0.94	(Mg/(Mg+Fe2))>= 0.9
Si	7.99	

Actinolite
[3 0 1]



SQMTF: QUANTIFY
Standardless Analysis

Refit _NAK' _NAK" _K K' _K K"
Refit _ALK' _ALK" _NAK
Chi-sqd = 2.89

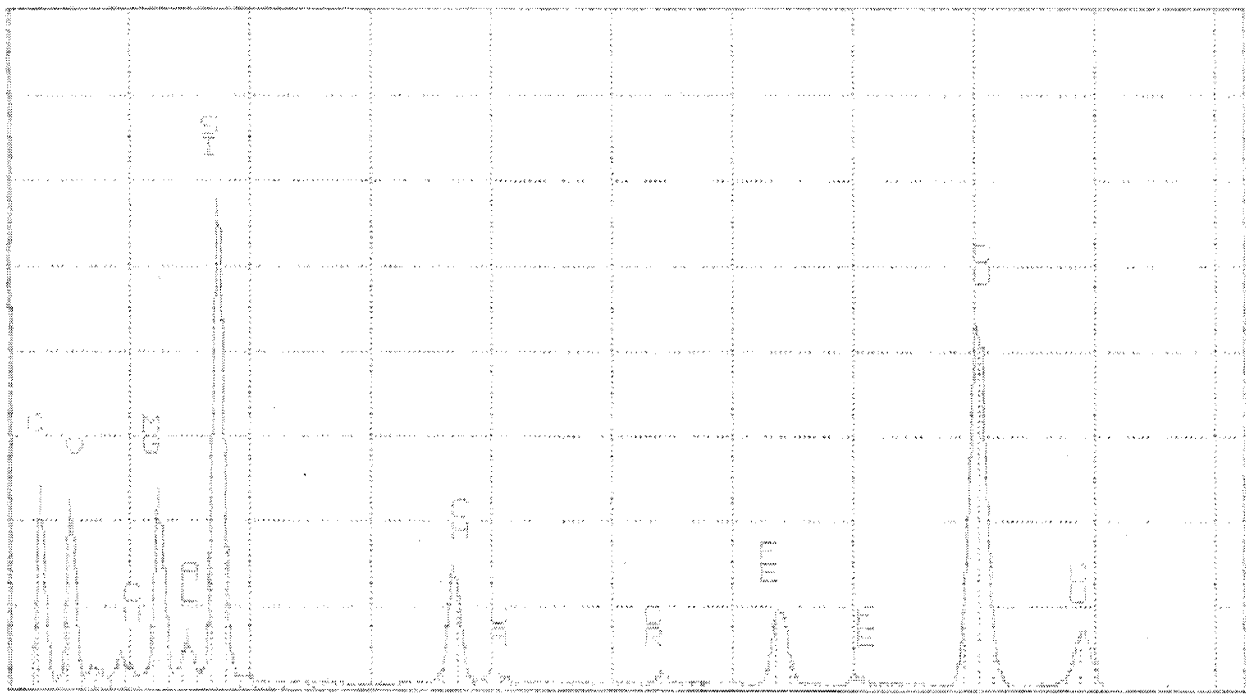
Element	Net Counts	
Si-K	8103 +/-	133
Mg-K	2881 +/-	108
Al-K	705 +/-	66
Ca-K	2428 +/-	107
Fe-K	2082 +/-	96
Na-K	0 +/-	0
K-K	58 +/-	26

MERGE EDS:SIK EDS:MGK EDS:ALK EDS:CAK EDS:FEK EDS:NAK EDS:

041191-71 SP766

EL-LINE	PEAK	K-FACTOR	CFL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	8103	1.000	1.000	20.60	26.45	56.68	SIO2
MG-K	2881	1.000	0.356	8.54	9.41	15.68	MGO
AL-K	705	0.750	0.065	1.39	1.73	3.26	AL2O3
CA-K	2428	0.949	0.285	4.10	7.53	10.54	CAO
FE-K	2082	1.399	0.360	3.70	9.51	13.59	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
K-K	58	1.059	0.008	0.11	0.20	0.24	K2O
O			1.706	61.54	45.17		

TN-5500 University of Washington / JEOL WED 17-NOV-04 17:32
Cursor: 0.000keV = 0



0.000 VFS = 1024 10.240

71 041191-71 SP766

1,30

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.68	Si+4	7.7943	7.7943							
Al2O3	3.26	Al+3	0.5283	0.2057	**0.3226**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	13.59	Fe+3	0.6890			0.6890	0.0000				
MgO	15.68	Mg+2	3.2145			3.2145	**0.0000**				
MnO	0	Fe+2	0.7970			0.7738	**0.0232**				
CaO	10.54	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.5528					1.5528	0.0000		
K2O	0.24	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0421							0.0421	0.0000
Total	**99.99**		**Excess**	T site	**0.3226**	C site	**0.0232**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.5528**		**0.0421**	**0.0000**
			%Fill	**100**		**100**		**77.6391**			

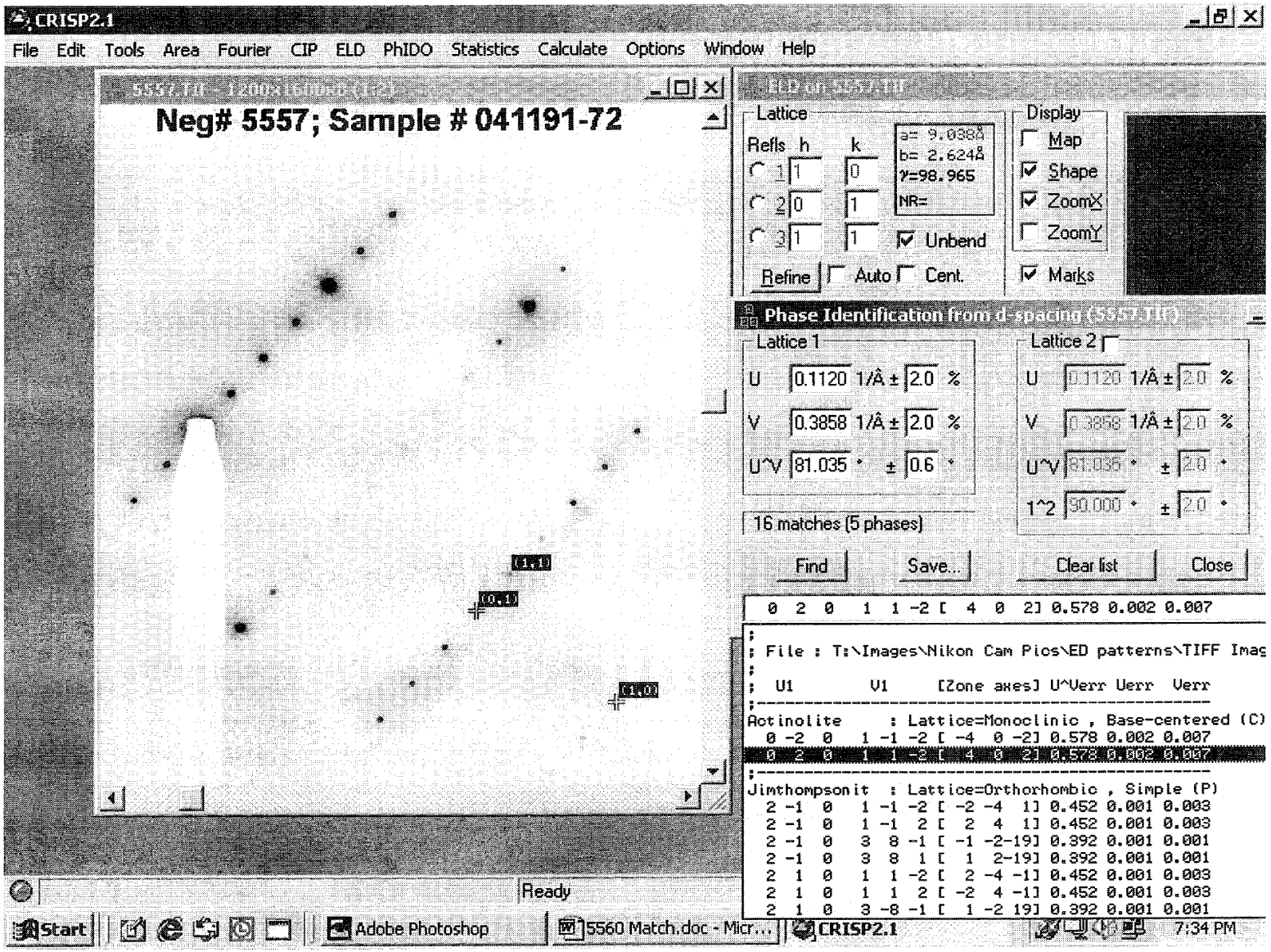
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-71-766**

Values		Satisfied Conditions
(Ca,Na)@B	1.55	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.55	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.04	Si > 7.5
Mg/(Mg+Fe2)	0.80	(Mg/(Mg+Fe2))< 0.9
Si	7.79	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[2 0 1]



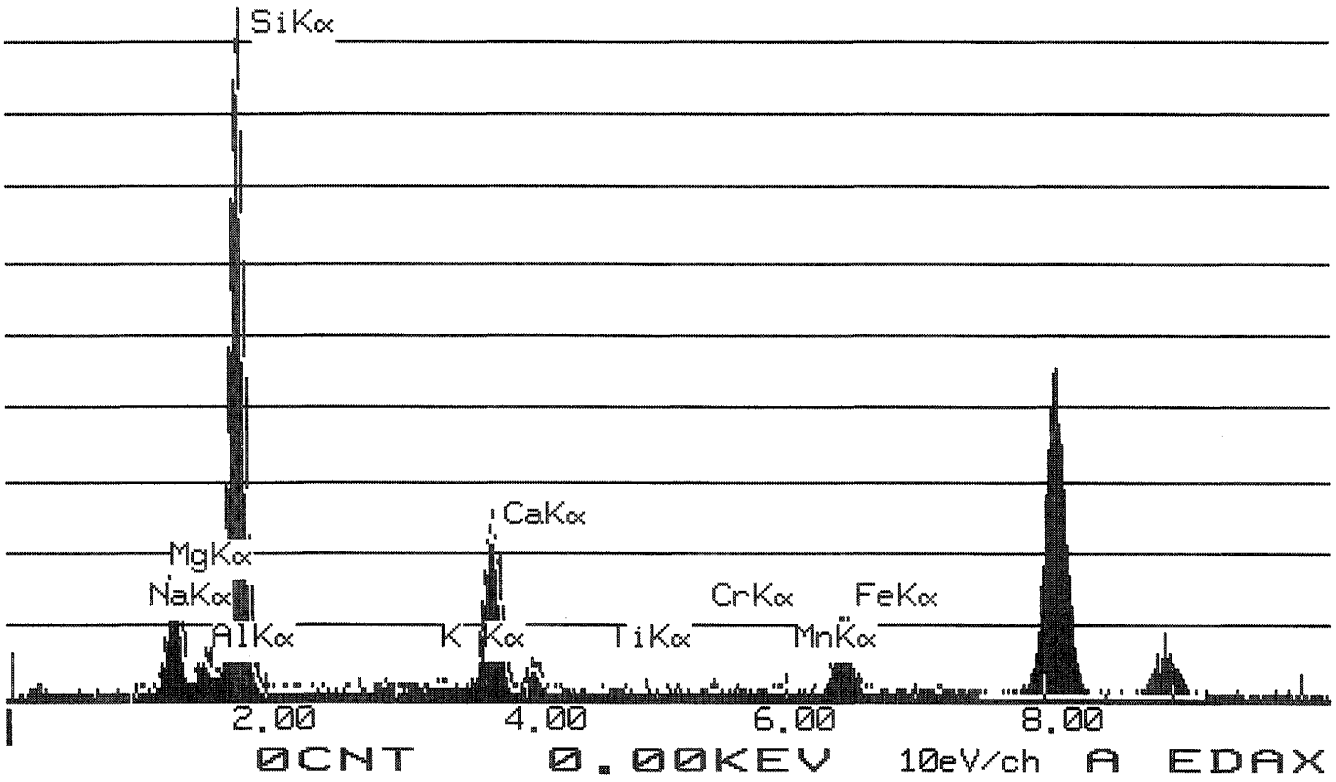
INTE-% :
LABEL = 041191-72 15430
25-NOV-72 03:57:24
67.894 LIVE SECONDS

BG-Manual
Antrolet

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	16.040	10.465	17.352
ALK	3.402	1.333	2.520
SIK	76.604	28.110	60.138
K K	0.486	0.296	0.357
CAK	22.962	8.034	11.241
TIK	0.324	0.160	0.267
CRK	0.309	0.151	0.220
MNK	0.162	0.082	0.106
FEK	11.739	5.456	7.800
TOTAL			100.000

USED PEIF: USER

24-NOV-04 03:57:45 SUPER QUANT
RATE= 446CPS TIME= 68LSEC
FS= 574/ 574 PRST= 200LSEC
A =041191-72 15430



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	60.138	Si+4	8.0000	8.0000							
Al2O3	2.52	Al+3	0.4098	0.0000	**0.4098**						
TiO2	0.267	Ti+4	0.0379	0.0000	**0.0379**						
Cr2O3	0.22	Cr+3	0.0291			0.0291	0.0000				
Fe(total)O	7.8	Fe+3	0.0133			0.0133	0.0000				
MgO	17.352	Mg+2	3.5177			3.5177	**0.0000**				
MnO	0.106	Fe+2	0.8847			0.8847	**0.0000**				
CaO	11.241	Mn+2	0.0242			0.0242	**0.0000**				
Na2O	0	Ca+2	1.6430					1.6430	0.0000		
K2O	0.357	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0706							0.0706	0.0000
Total	100.001		Excess	T site	**0.4477**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	8		4.9167		1.6430		0.0706	0.0000
			%Fill	100		98.3336		82.1495			

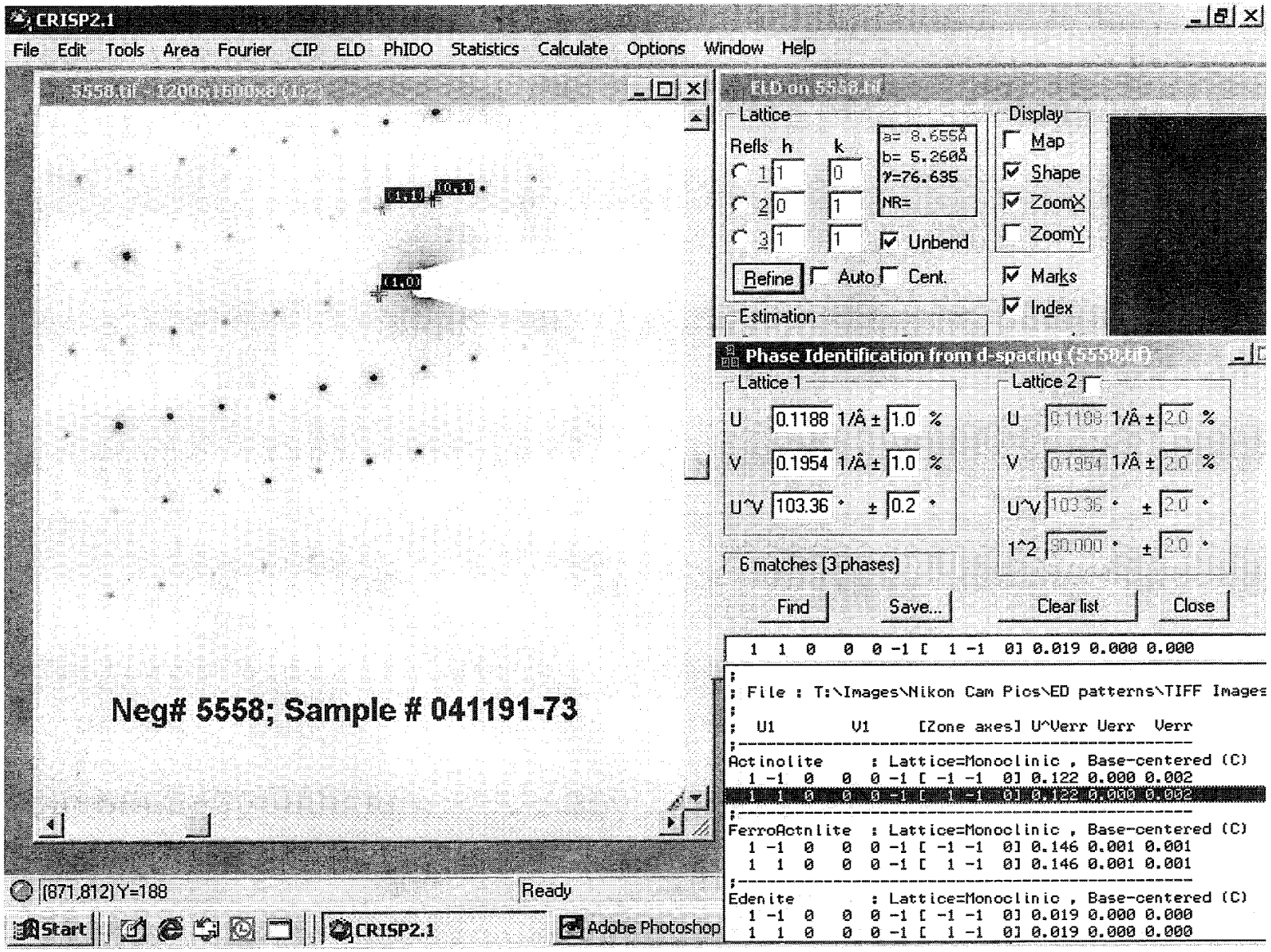
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-72-15430

Values		Satisfied Conditions
(Ca,Na)@B	1.64	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.64	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.07	Si > 7.5
Mg/(Mg+Fe2)	0.80	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 -1 0]



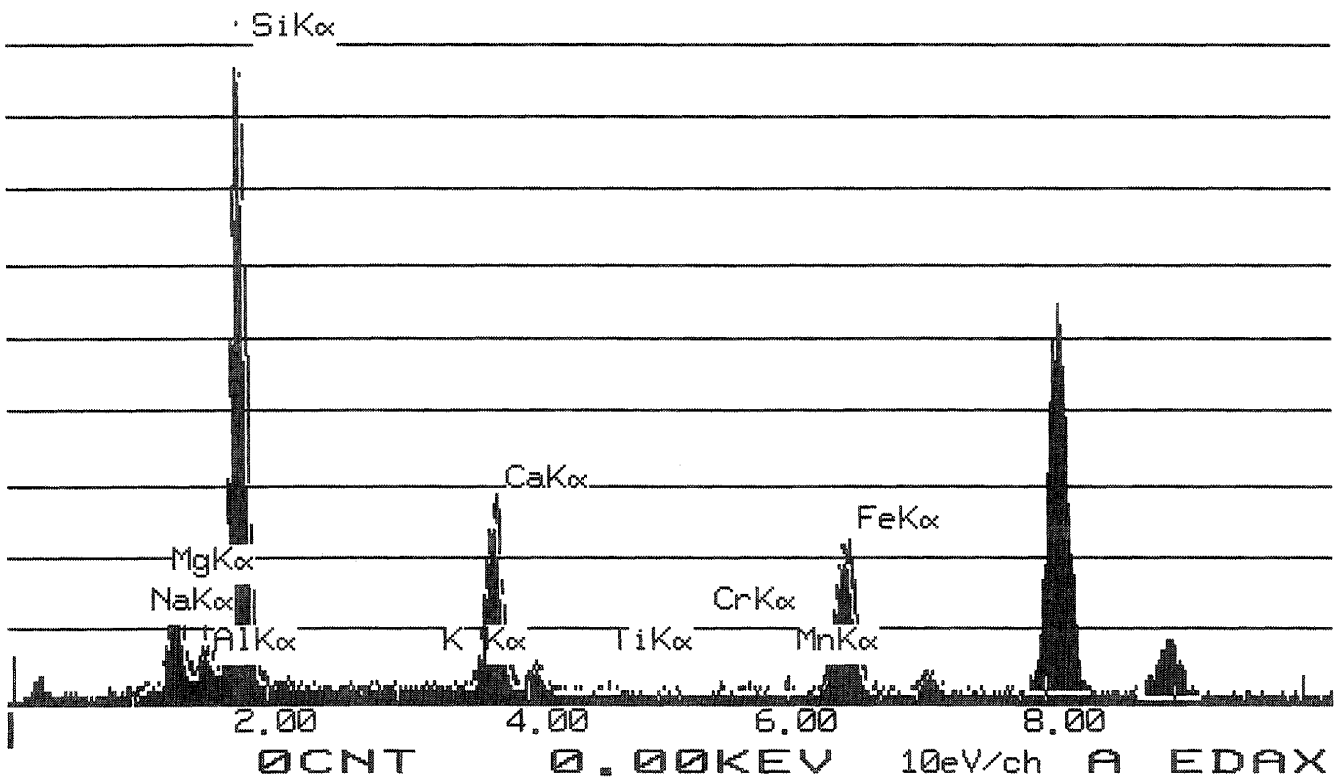
INTE-% :
LABEL = 041191-73 15431
25-NOV-72 04:08:28
125.325 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
NAK	0.199	0.524	0.707
MGK	6.870	8.525	14.136
ALK	2.362	1.761	3.327
SIK	37.566	26.219	56.091
CAK	12.320	8.198	11.470
FEK	11.291	9.980	14.270
TOTAL			100.000

BG. Manual
Calculate

USED PEIF: USER

24-NOV-04 04:08:54 SUPER QUANT
RATE= 7CPS TIME= 125LSEC
FS= 509/ 509 PRST= 200LSEC
A =041191-73 15431



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.091	Si+4	7.8543	7.8543							
Al2O3	3.327	Al+3	0.5490	0.1457	**0.4034**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	14.27	Fe+3	0.0752			0.0752	0.0000				
MgO	14.136	Mg+2	2.9510			2.9510	**0.0000**				
MnO	0	Fe+2	1.5873			1.5704	**0.0169**				
CaO	11.47	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.707	Ca+2	1.7207					1.7207	0.0000		
K2O	0	Na+	0.1919					0.1919	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**100.001**		**Excess**	T site	**0.4034**	C site	**0.0169**	B site	**0**	A site	**0**

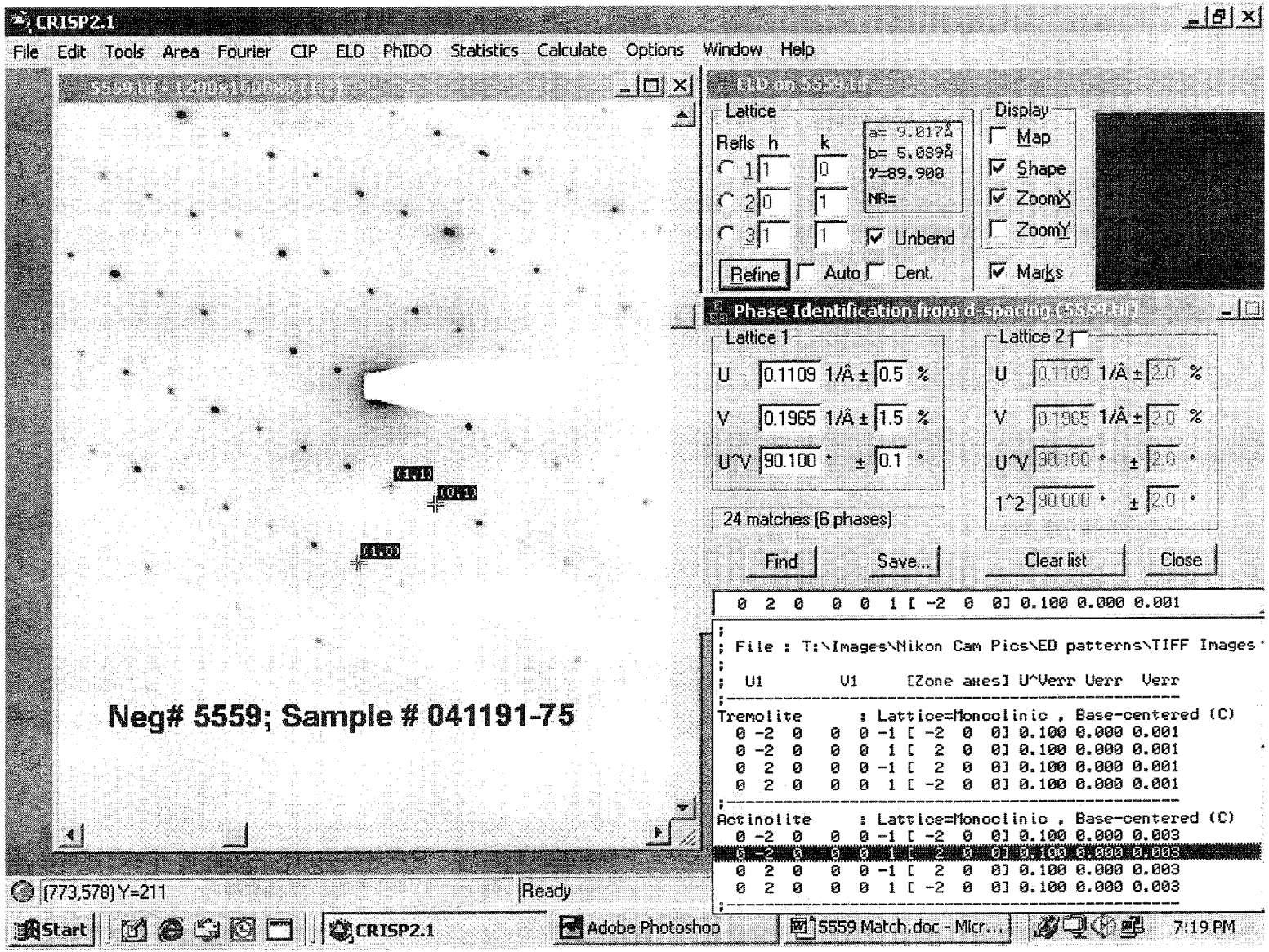
		Total	**8**	**5.0000**	**1.9126**	**0.0000** **0.0000**
Prefix	none	**%Fill**	**100**	**100**	**95.631**	
Name	actinolite					
Modifier	none					
Group	Calcic Amphibole					

Sample # **041191-73-15431**

Values		**Satisfied Conditions**
(Ca,Na)@B	**1.91**	**(Ca,Na)@B >= 1 and Na@B < 0.5**
Na@B	**0.19**	**Ca@B >= 1.5 and (Na,K)@A < 0.5**
Ca@B	**1.72**	**(Mg/(Mg+Fe2))>= 0.5**
(Na,K)@A	**0.00**	**Si > 7.5**
Mg/(Mg+Fe2)	**0.65**	**(Mg/(Mg+Fe2))< 0.9**
Si	**7.85**	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 0 0]



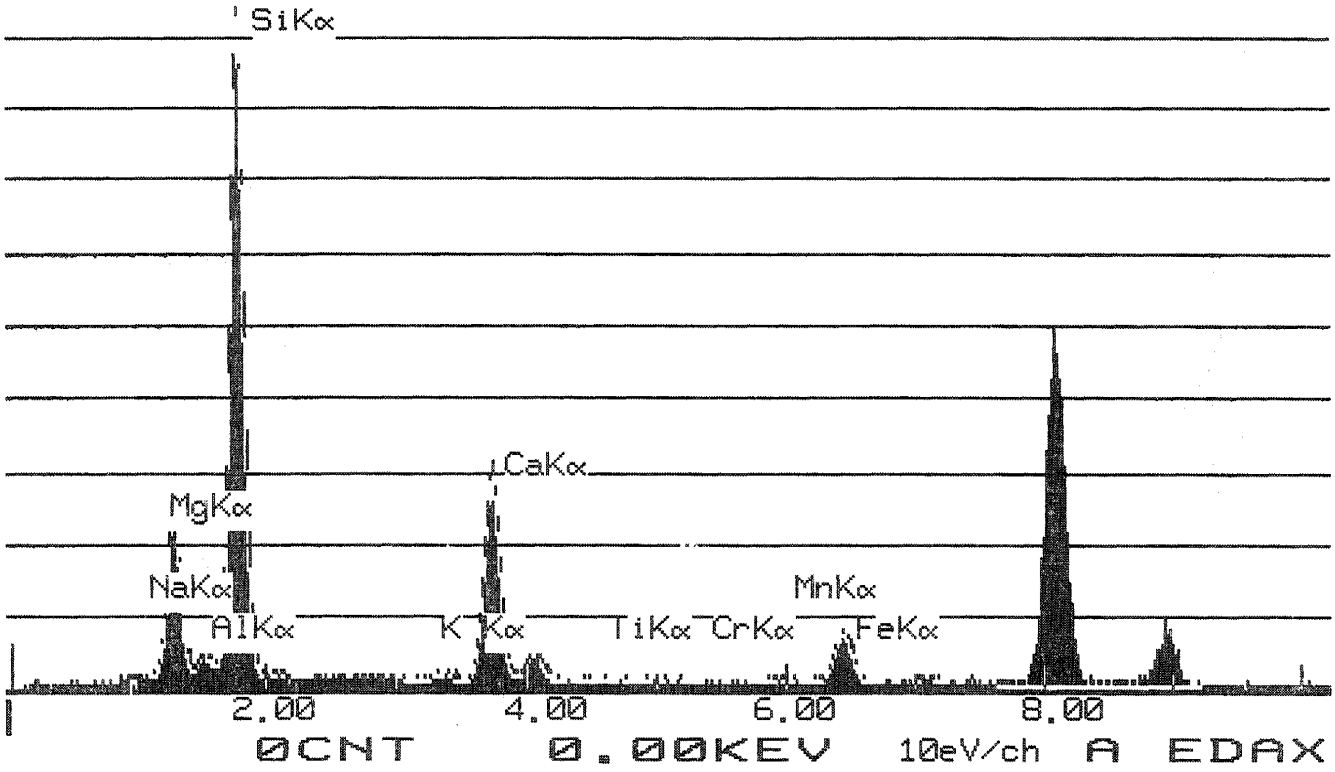
INTE-% :
LABEL = 041191-75 15432
25-NOV-72 04:34:44
174.791 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	13.427	12.600	20.892
ALK	1.304	0.735	1.389
SIK	51.988	27.437	58.697
K K	0.423	0.371	0.447
CAK	18.451	9.284	12.990
TIK	0.143	0.102	0.169
MNK	0.492	0.357	0.461
FEK	5.183	3.465	4.954
TOTAL			100.000

USED PEIF: USER

BG - Manual
Adiabatic

24-NOV-04 04:35:06 SUPER QUANT
RATE= 701CPS TIME= 175LSEC
FS= 972/ 972 PRST= 200LSEC
A =041191-75 15432



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	58.697	Si+4	7.9401	7.9401							
Al2O3	1.389	Al+3	0.2214	0.0599	**0.1615**						
TiO2	0.169	Ti+4	0.0172	0.0000	**0.0172**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	4.954	Fe+3	0.0151			0.0151	0.0000				
MgO	20.892	Mg+2	4.2132			4.2132	**0.0000**				
MnO	0.461	Fe+2	0.5435			0.5435	**0.0000**				
CaO	12.99	Mn+2	0.0528			0.0494	**0.0034**				
Na2O	0	Ca+2	1.8825					1.8825	0.0000		
K2O	0.447	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0771							0.0771	0.0000
Total	99.999		Excess	T site	**0.1787**	C site	**0.0034**	B site	**0**	A site	**0**
			Total	8		5.0000		1.8825		0.0771	0.0000
			%Fill	100		100		94.1259			

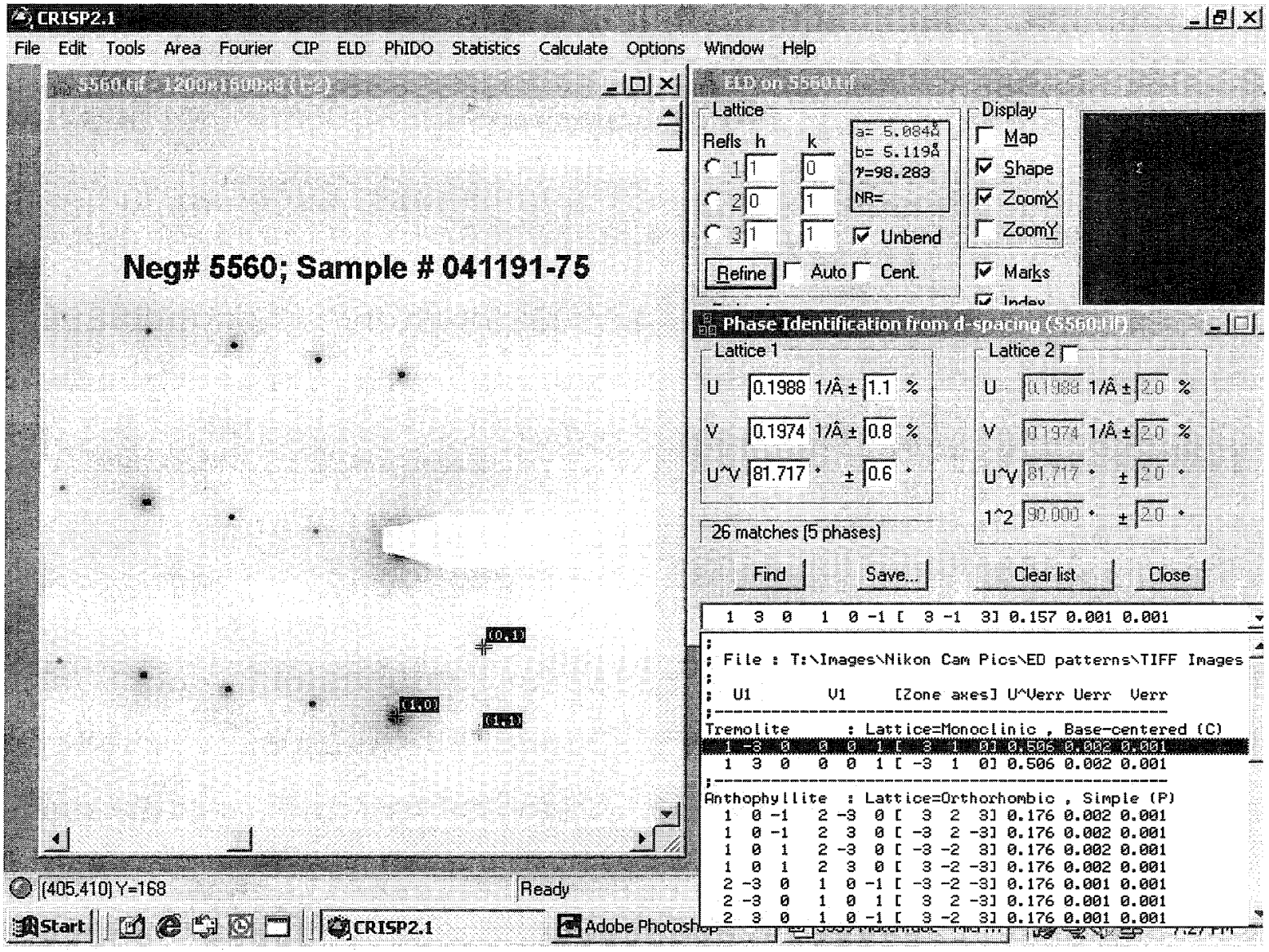
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # 041191-75-15432

Values		Satisfied Conditions
(Ca,Na)@B	1.88	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.88	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.08	Si > 7.5
Mg/(Mg+Fe2)	0.89	(Mg/(Mg+Fe2))< 0.9
Si	7.94	

Mineral Analysis Program (Version 5.0)

TREMOLITE
[3 1 0]



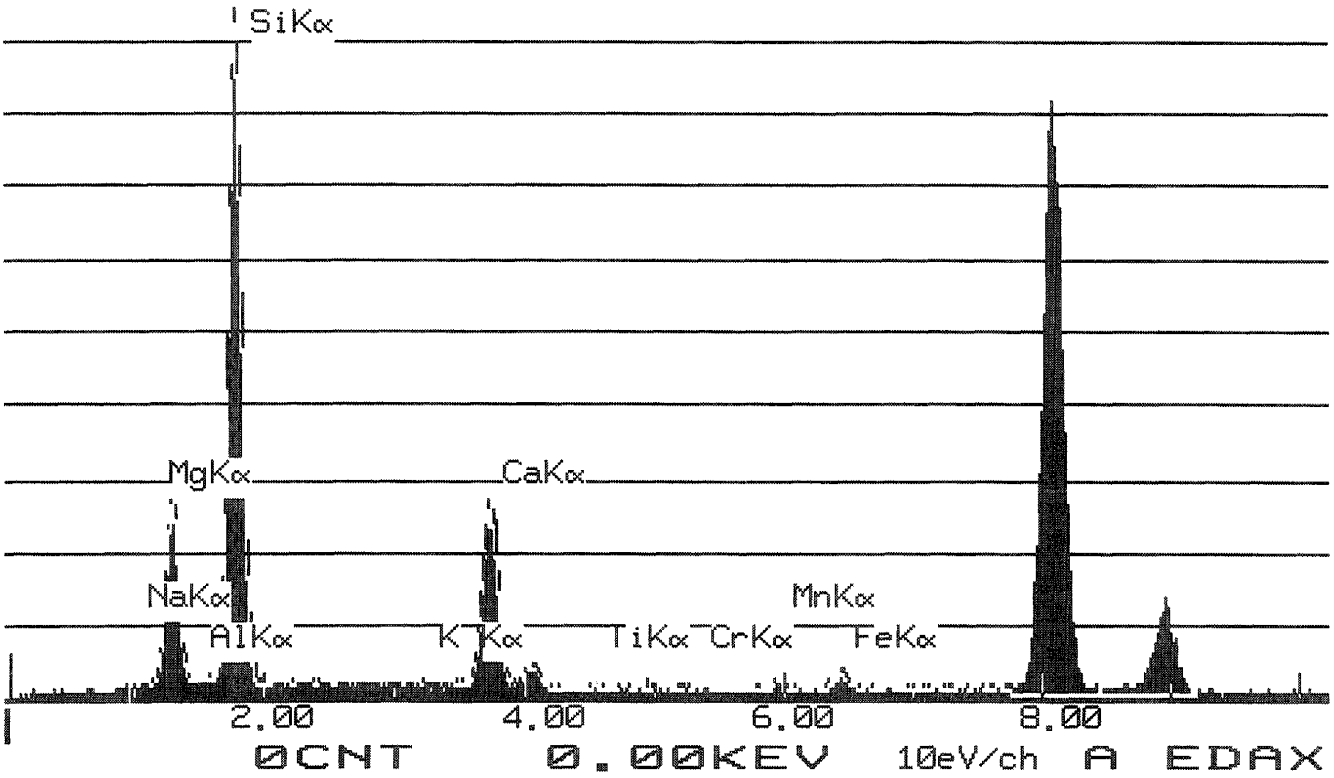
INTE-% :
LABEL = 041191-75 15433
25-NOV-72 04:45:36
78.652 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	28.823	14.265	23.652
ALK	0.801	0.238	0.450
SIK	103.151	28.711	61.424
CAK	32.828	8.712	12.190
TIK	0.165	0.062	0.103
MNK	1.068	0.409	0.528
FEK	3.280	1.156	1.653
TOTAL			100.000

USED PEIF: USER

36 slanted
Tremolite

24-NOV-04 04:45:57 SUPER QUANT
RATE= 1052CPS TIME= 79LSEC
FS= 875/ 875 PRST= 200LSEC
A =041191-75 15433



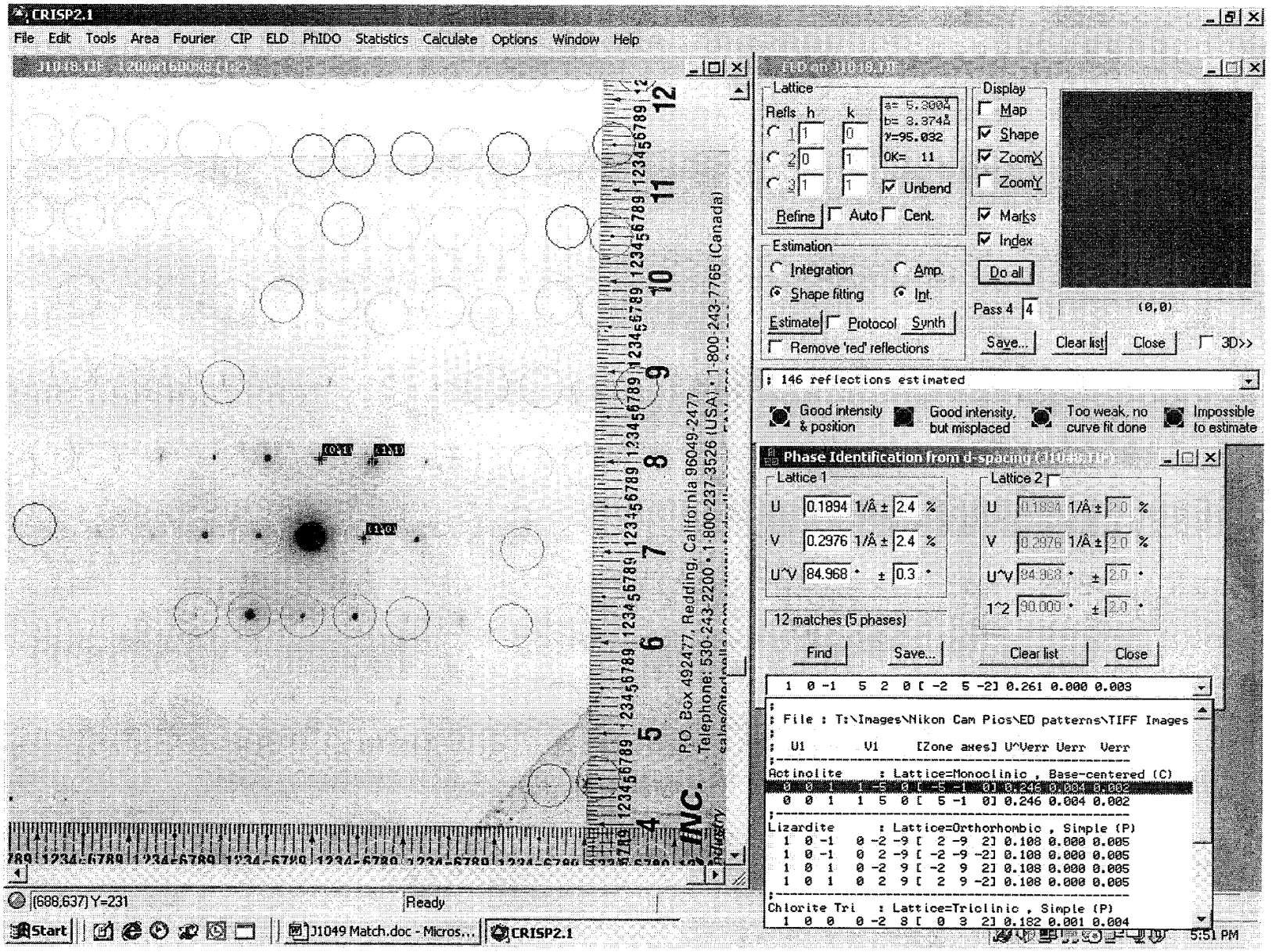
	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	61.424	Si+4	8.0000	8.0000							
Al2O3	0.45	Al+3	0.0793	0.0000	**0.0793**						
TiO2	0.103	Ti+4	0.0221	0.0000	**0.0221**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	1.653	Fe+3	0.0864			0.0864	0.0000				
MgO	23.652	Mg+2	4.6795			4.6795	**0.0000**				
MnO	0.528	Fe+2	0.1063			0.1063	**0.0000**				
CaO	12.19	Mn+2	0.0724			0.0263	**0.0461**				
Na2O	0	Ca+2	1.7414					1.7414	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	100		Excess	T site	**0.1015**	C site	**0.0461**	B site	**0**	A site	**0**
			Total	8		5.0000		1.7414		0.0000	0.0000
			%Fill	100		100		87.0676			

Prefix	none
Name	tremolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-75-15433

Values		Satisfied Conditions
(Ca,Na)@B	1.74	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.74	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.98	(Mg/(Mg+Fe2))>= 0.9
Si	8.00	

Neg # J1048, Sample #041191-76
ACTINOLITE
[5 1 0]



#X 'SQMTF'
SQMTF: QUANTIFY
Standardless Analysis

Refit _K K' _K K"
Refit _ALK' _K K
Chi-sqd = 4.16

Element

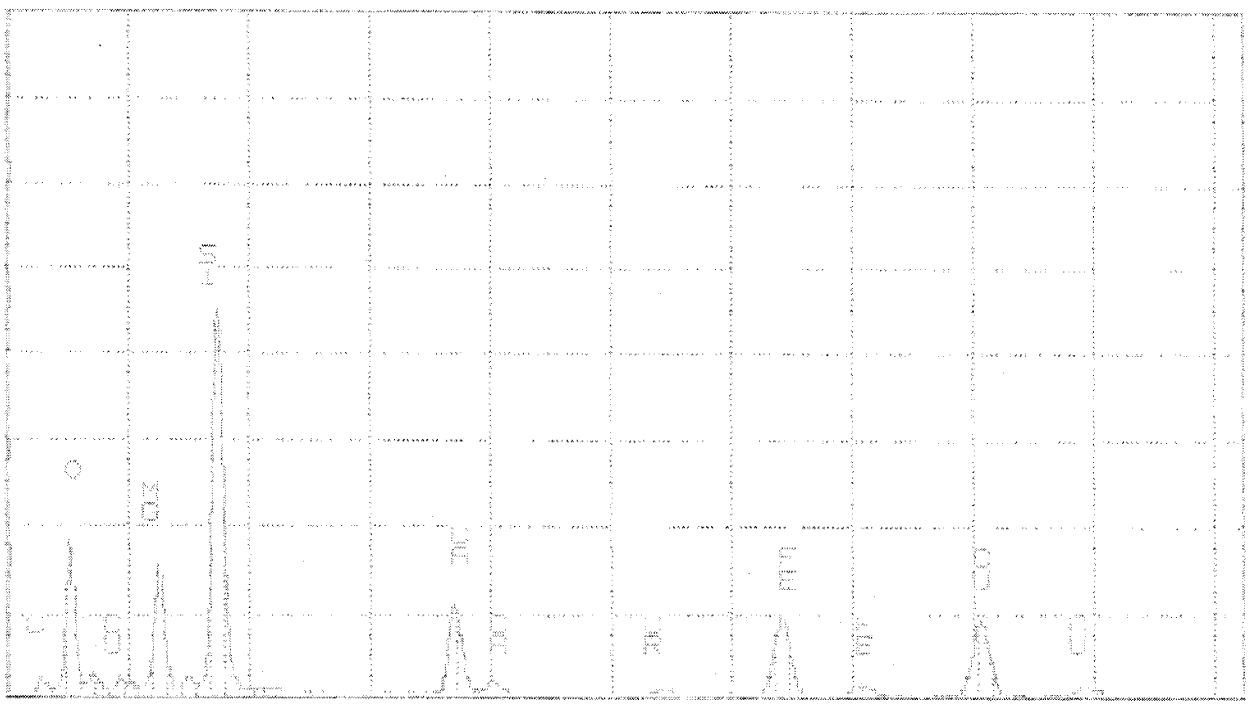
	Net Counts		
Si-K	13047	+/-	180
Mg-K	3838	+/-	175
Al-K	597	+/-	235
Ca-K	3950	+/-	118
Fe-K	4409	+/-	123
Na-K	316	+/-	104
K -K	0	+/-	0

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:CAK EDS:FEK EDS:NAK
EDS:K K

041191-76 SP776

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
Si-K	13047	1.000	1.000	20.79	26.29	56.33	SiO2
Mg-K	3838	1.000	0.294	7.14	7.73	12.89	MgO
Al-K	597	0.750	0.034	0.74	0.90	1.70	Al2O3
Ca-K	3950	0.949	0.288	4.19	7.56	10.59	CaO
Fe-K	4409	1.399	0.473	4.92	12.44	17.77	Fe2O3
Na-K	316	0.549	0.013	0.34	0.35	0.72	Na2O3
K-K	0	1.059	0.000	0.00	0.00	0.00	K2O
O			1.701	61.89	44.72		

TN-5500 University of Washington / JEOL SHT 20-NOV-04 16:34
Cursor: 0.000KeV = 0



0.000 VFS = 2048 10.240

0 041191-76 SP776

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.33	Si+4	7.9596	7.9596							
Al2O3	1.7	Al+3	0.2831	0.0404	**0.2426**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	17.77	Fe+3	0.3590			0.3590	0.0000				
MgO	12.89	Mg+2	2.7154			2.7154	**0.0000**				
MnO	0	Fe+2	1.7007			1.6830	**0.0177**				
CaO	10.59	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.72	Ca+2	1.6031					1.6031	0.0000		
K2O	0	Na+	0.1972					0.1972	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**100**		**Excess**	T site	**0.2426**	C site	**0.0177**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.8004**		**0.0000**	**0.0000**
			%Fill	**100**		**100**		**90.018**			

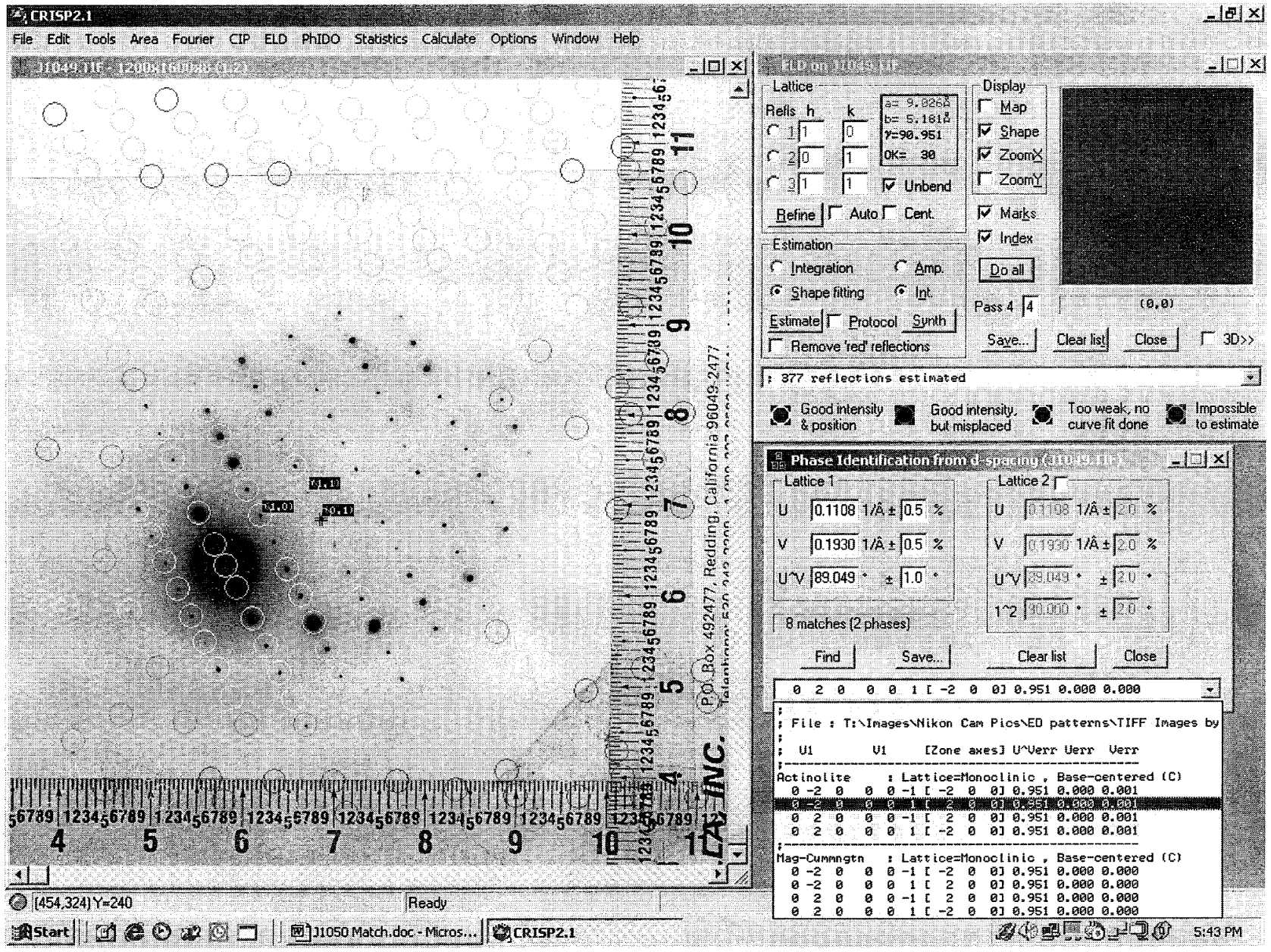
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-76-776**

Values		Satisfied Conditions
(Ca,Na)@B	1.80	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.20	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.60	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.61	(Mg/(Mg+Fe2))< 0.9
Si	7.96	

Mineral Analysis Program (Version 5.0)

Neg # J1049, Sample #041191-77
ACTINOLITE
[1 0 0]



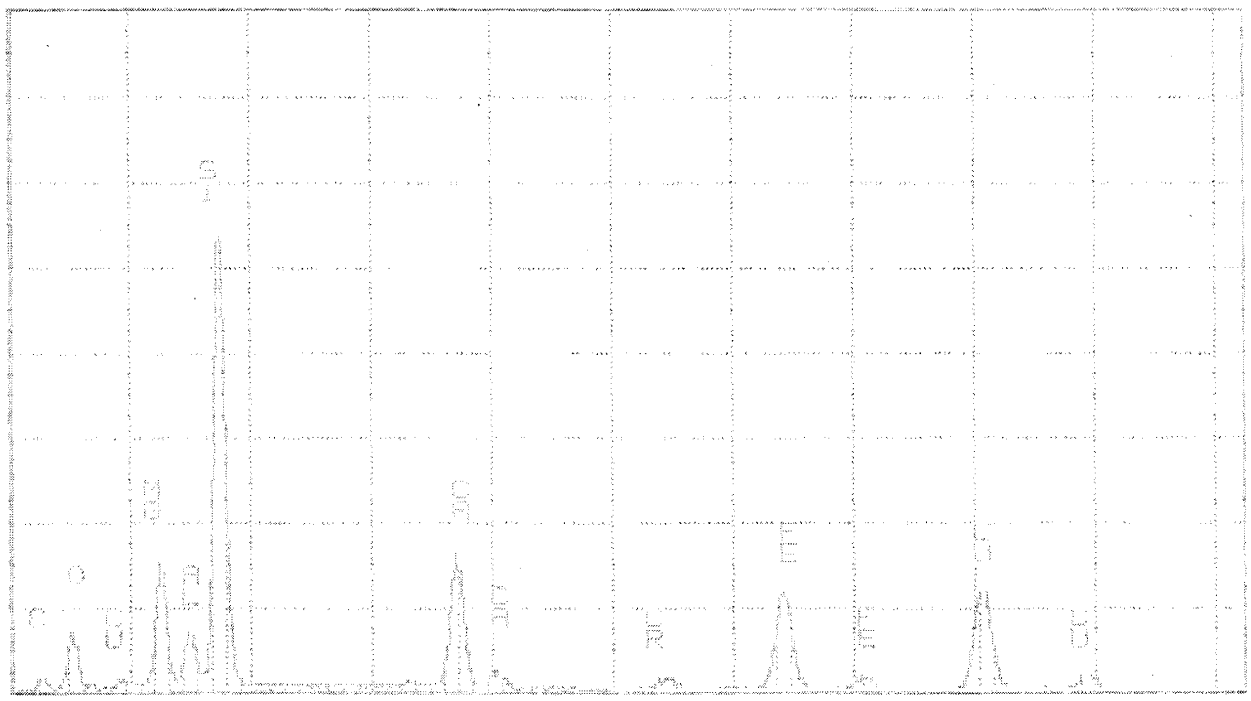
K K

041191-77 SP777

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	FL WT%	WT%	FORMULA
SI-K	15412	1.000	1.000	20.17	25.34	54.29	SIO2
MG-K	4068	1.000	0.264	6.21	6.69	11.15	MGO
AL-K	1835	0.750	0.089	1.87	2.26	4.27	AL2O3
CA-K	5910	0.949	0.364	5.14	9.23	12.92	CAO
FE-K	5183	1.399	0.471	4.75	11.93	17.04	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
K-K	153	1.059	0.011	0.15	0.27	0.32	K2O
O			1.748	61.70	44.29		

TN-5500 University of Washington / JEOL SAT 20-NOV-04 11:30

Cursor: 0.000keV = 0



0.000 VFS = 2048 10.240

28 041191-77 SP777

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.29	Si+4	7.7511	7.7511							
Al2O3	4.27	Al+3	0.7185	0.2489	**0.4696**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	17.04	Fe+3	0.0183			0.0183	0.0000				
MgO	11.15	Mg+2	2.3733			2.3733	**0.0000**				
MnO	0	Fe+2	2.0140			2.0140	**0.0000**				
CaO	12.92	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.9762					1.9762	0.0000		
K2O	0.32	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0583							0.0583	0.0000
Total	**99.99**		**Excess**	T site	**0.4696**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.8751**		**1.9762**		**0.0583**	**0.0000**
			%Fill	**100**		**97.5028**		**98.8098**			

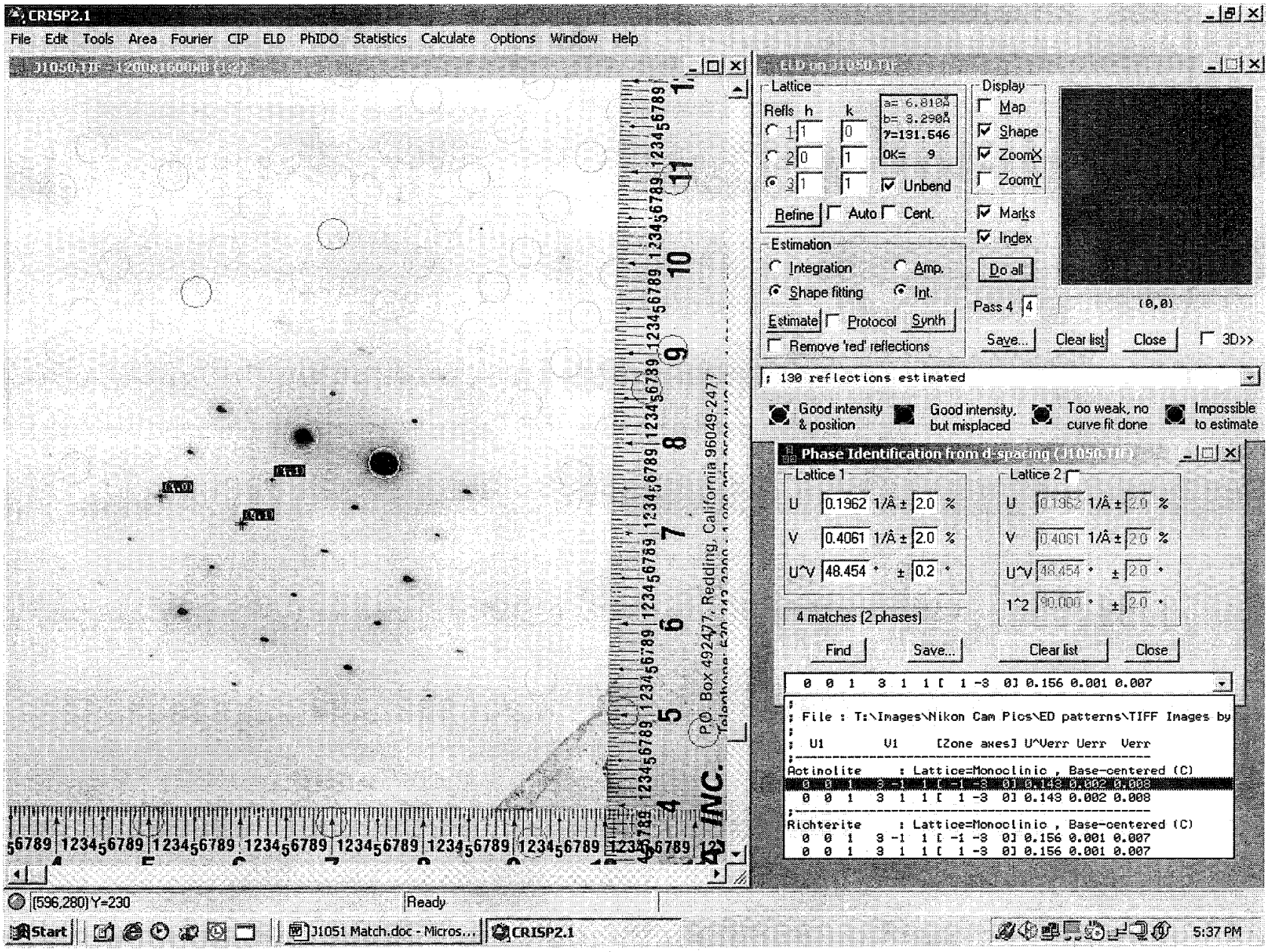
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-77-777**

Values		Satisfied Conditions
(Ca,Na)@B	1.98	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.98	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.06	Si > 7.5
Mg/(Mg+Fe2)	0.54	(Mg/(Mg+Fe2))< 0.9
Si	7.75	

Mineral Analysis Program (Version 5.0)

Neg # J1050, Sample #041191-78
ACTINOLITE
[1 3 0]



SQMTF: QUANTIFY
Standardless Analysis

Refit _ALK' _ALK" _NAK' _NAK"
Refit _FEK" _NAK _K K"
Refit _MGK'
Chi-sqd = 2.22

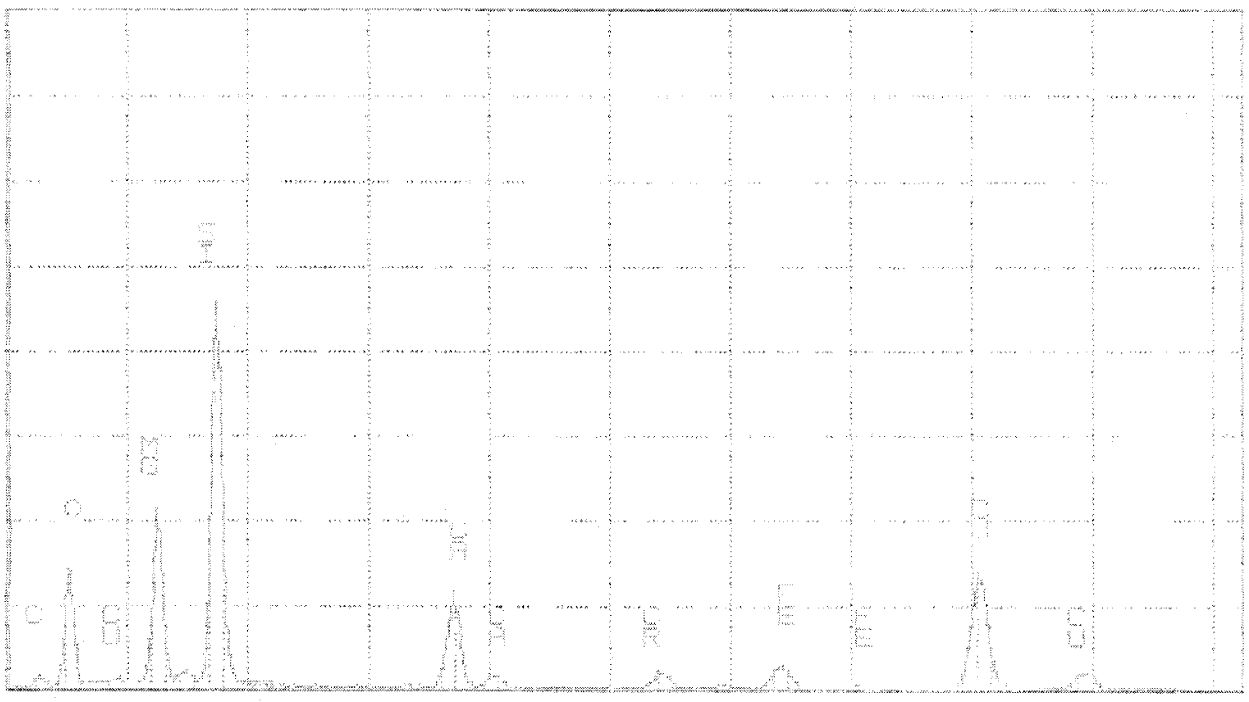
Element	Net Counts		
Si-K	12624	+/-	157
Mg-K	5105	+/-	120
Al-K	224	+/-	63
Ca-K	4070	+/-	122
Fe-K	1163	+/-	55
Na-K	0	+/-	0
K-K	80	+/-	29

K K REF.S EDS:SIK EDS:MGK EDS:ALK EDS:CAK EDS:FEK EDS:NAK

041191-78 SPSP/78

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	12624	1.000	1.000	21.85	28.87	61.87	SIO2
MG-K	5105	1.000	0.404	10.31	11.68	19.46	MGO
AL-K	224	0.750	0.013	0.30	0.38	0.73	AL2O3
CA-K	4070	0.949	0.306	4.69	8.84	12.38	CAO
FE-K	1163	1.399	0.129	1.41	3.72	5.32	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
K-K	80	1.059	0.007	0.11	0.20	0.24	K2O
O			1.604	61.33	46.30		

TN-5500 University of Washington / JFCL SHT 20-NOV-04 13:05
Cursor: 0.000keV = 0



0.000 VFS = 2048 10.240

71 041191-78 SPSP/78

1.30

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	61.87	Si+4	8.0000	8.0000							
Al2O3	0.73	Al+3	0.1423	0.0000	**0.1423**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	5.32	Fe+3	0.0227			0.0227	0.0000				
MgO	19.46	Mg+2	3.9500			3.9500	**0.0000**				
MnO	0	Fe+2	0.6278			0.6278	**0.0000**				
CaO	12.38	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.8238					1.8238	0.0000		
K2O	0.24	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0704							0.0704	0.0000
Total	**100**		**Excess**	T site	**0.1423**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.7429**		**1.8238**		**0.0704**	**0.0000**
			%Fill	**100**		**94.857**		**91.191**			

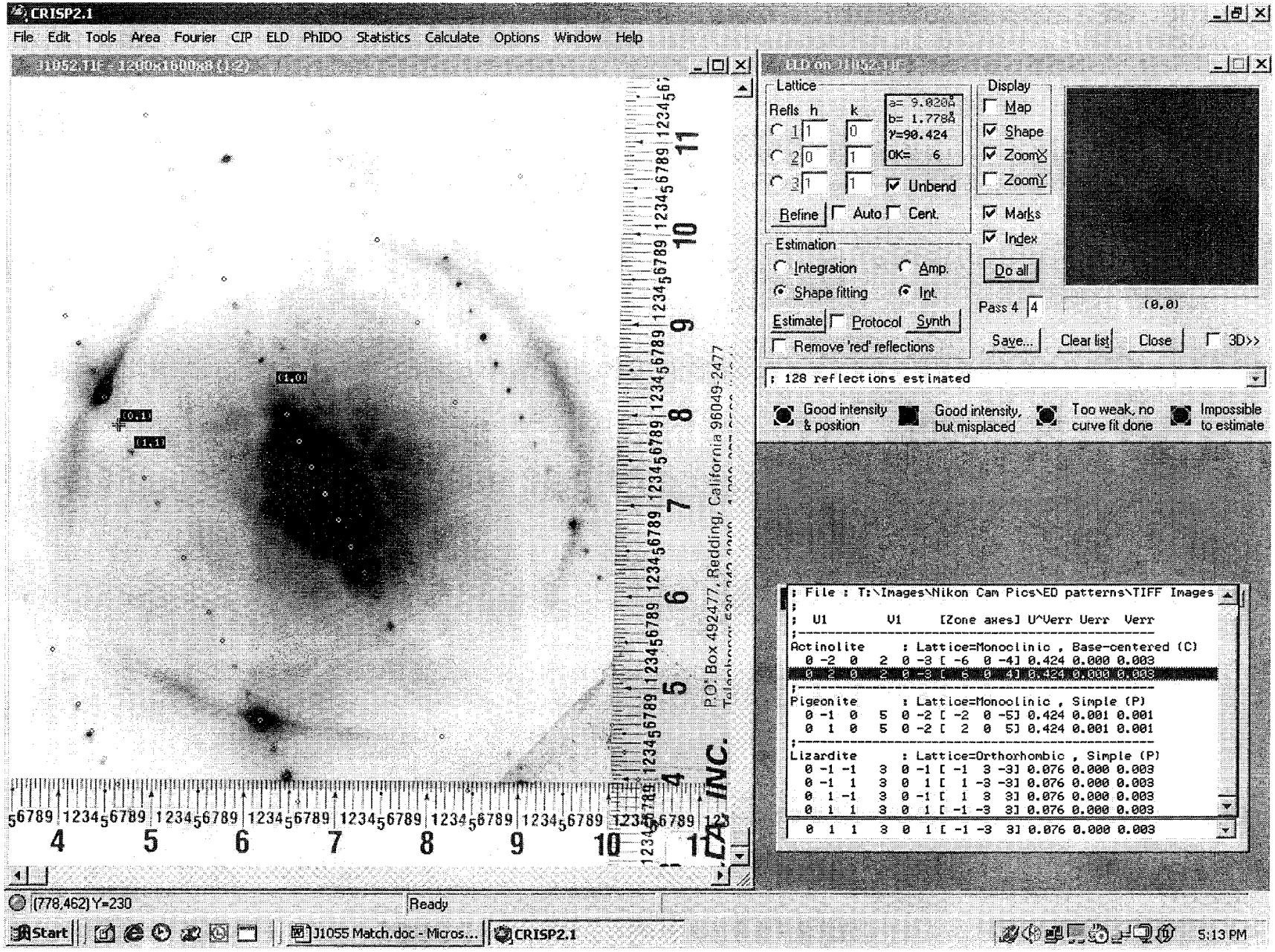
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-78-778**

Values		**Satisfied Conditions**
(Ca,Na)@B	**1.82**	**(Ca,Na)@B >= 1 and Na@B < 0.5**
Na@B	**0.00**	**Ca@B >= 1.5 and (Na,K)@A < 0.5**
Ca@B	**1.82**	**(Mg/(Mg+Fe2))>= 0.5**
(Na,K)@A	**0.07**	**Si > 7.5**
Mg/(Mg+Fe2)	**0.86**	**(Mg/(Mg+Fe2))< 0.9**
Si	**8.00**	

Mineral Analysis Program (Version 5.0)

Neg # J1051, Sample #041191-79
ACTINOLITE
[2 0 1]



SQMTF: QUANTIFY
Standardless Analysis

Chi-sqrt = 3.52

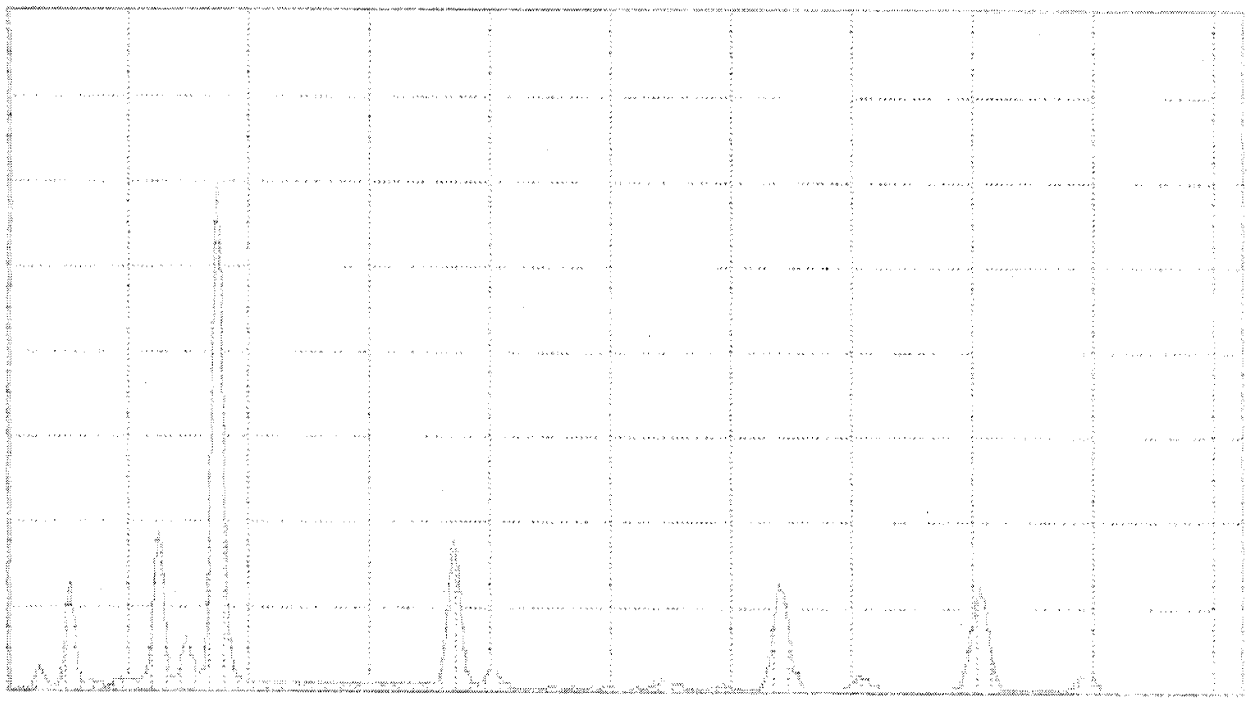
Element	Net Counts	
Si-K	16785 +/-	250
Mg-K	4555 +/-	219
Al-K	1255 +/-	283
Ca-K	6115 +/-	149
Fe-K	5309 +/-	139
Na-K	221 +/-	106
K-K	113 +/-	79

REALS EDS:SIK EDS:MGK EDS:ALK EDS:CAK EDS:FEK EDS:NAK EDS:

041191-79 SP779

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	FI WT%	WT%	FORMULA
SI-K	16785	1.000	1.000	20.63	26.03	55.78	SIO2
MG-K	4555	1.000	0.271	6.53	7.06	11.77	MGO
AL-K	1255	0.750	0.056	1.20	1.46	2.76	AL2O3
CA-K	6115	0.949	0.346	5.00	9.01	12.61	CAO
FE-K	5309	1.399	0.443	4.57	11.53	16.47	FE2O3
NA-K	221	0.549	0.007	0.18	0.19	0.39	NA2O3
K-K	113	1.059	0.007	0.11	0.19	0.23	K2O
O			1.711	61.78	44.53		

TN-5500 University of Washington / JEOL SHT 20-NOV-04 15:15
Cursor: 0.000KeV = 0



0.000 VFS = 2048 10 240
33 041191-79 SP779

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	55.78	Si+4	7.9272	7.9272							
Al2O3	2.76	Al+3	0.4623	0.0728	**0.3895**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	16.47	Fe+3	0.0176			0.0176	0.0000				
MgO	11.77	Mg+2	2.4937			2.4937	**0.0000**				
MnO	0	Fe+2	1.9376			1.9376	**0.0000**				
CaO	12.61	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.39	Ca+2	1.9199					1.9199	0.0000		
K2O	0.23	Na+	0.1075					0.0801	**0.0274**	0.0274	0.0000
		K+	0.0417							0.0417	0.0000
Total	**100.01**		**Excess**	T site	**0.3895**	C site	**0.0000**	B site	**0.0273504**	A site	**0**
			Total	**8**		**4.8384**		**2.0000**		**0.0690**	**0.0000**
			%Fill	**100**		**96.7679**		**100**			

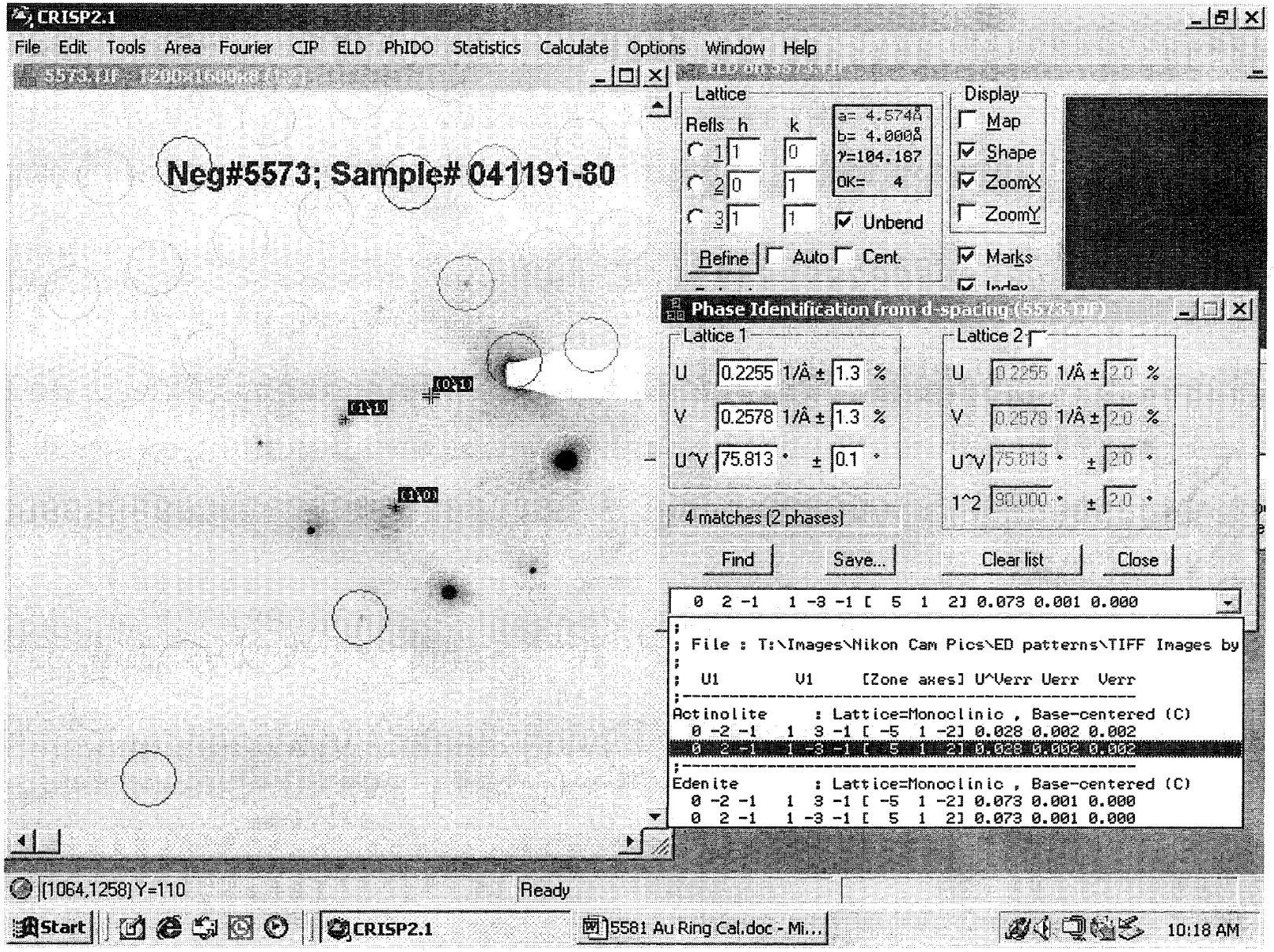
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-79-779**

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.08	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.92	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.07	Si > 7.5
Mg/(Mg+Fe2)	0.56	(Mg/(Mg+Fe2))< 0.9
Si	7.93	

Mineral Analysis Program (Version 5.0)

Sample 041191-80 Neg #5573
Actinolite
[5 1 2]



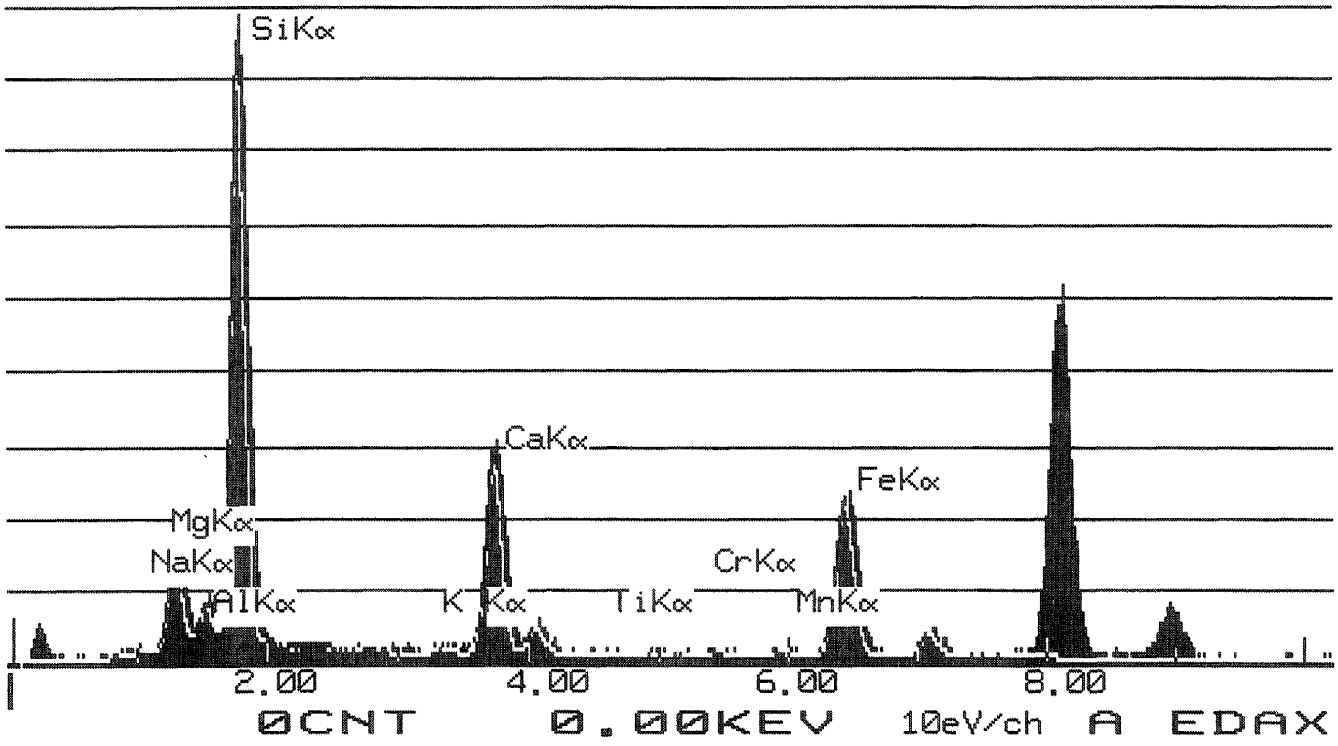
INTE-% :
LABEL = 041191-80 15372
04-DEC-72 02:05:46
30.054 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	84.448	8.245	13.670
ALK	30.512	1.789	3.381
SIK	445.728	24.474	52.360
K K	5.690	0.519	0.625
CAK	182.604	9.559	13.376
CRK	3.327	0.242	0.354
MNK	3.760	0.284	0.367
FEK	159.579	11.098	15.867

TOTAL			100.000

USED PEIF: USER

03-DEC-04 02:06:45 SUPER QUANT
RATE= 0CPS TIME= 30LSEC
FS= 1567/ 1567 PRST= 200LSEC
A =041191-80 15372



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	52.36	Si+4	7.5273	7.5273							
Al2O3	3.381	Al+3	0.5728	0.4727	**0.1001**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0.354	Cr+3	0.0402			0.0402	0.0000				
Fe(total)O	15.867	Fe+3	0.0687			0.0687	0.0000				
MgO	13.67	Mg+2	2.9298			2.9298	**0.0000**				
MnO	0.367	Fe+2	1.8311			1.8311	**0.0000**				
CaO	13.376	Mn+2	0.0447			0.0302	**0.0145**				
Na2O	0	Ca+2	2.0601					1.9855	0.0746		
K2O	0.625	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.1146							0.1146	0.0000
Total	100		Excess	T site	**0.1001**	C site	**0.0145**	B site	**0.0745749**	A site	**0**
			Total	8		5.0000		1.9855		0.1146	0.0000
			%Fill	100		100		99.2757			

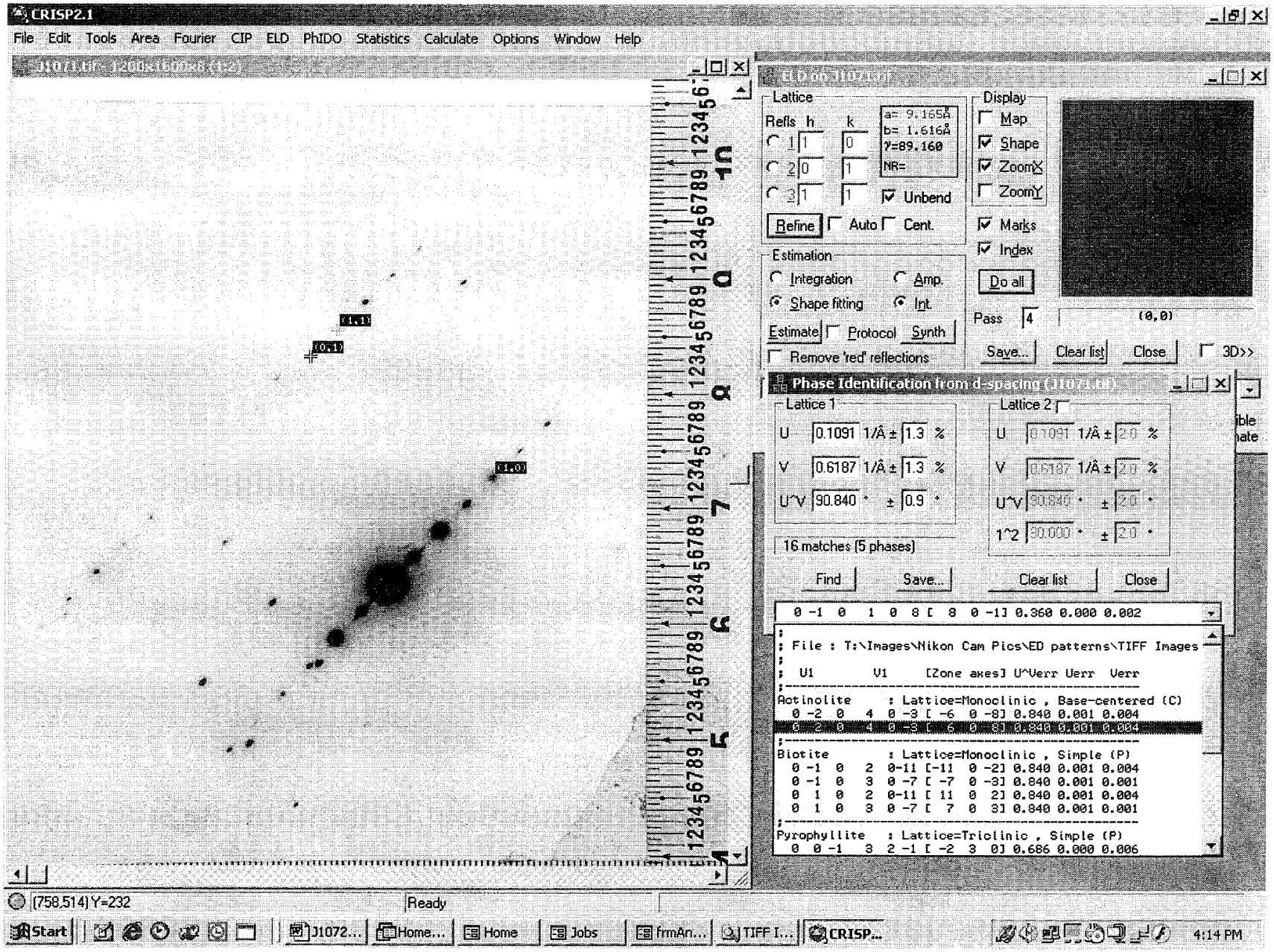
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-80-15372

Values		Satisfied Conditions
(Ca,Na)@B	1.99	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.99	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.11	Si > 7.5
Mg/(Mg+Fe2)	0.62	(Mg/(Mg+Fe2))< 0.9
Si	7.53	

Mineral Analysis Program (Version 5.0)

Neg # J1071, Sample #041191-81
ACTINOLITE
[3 0 4]

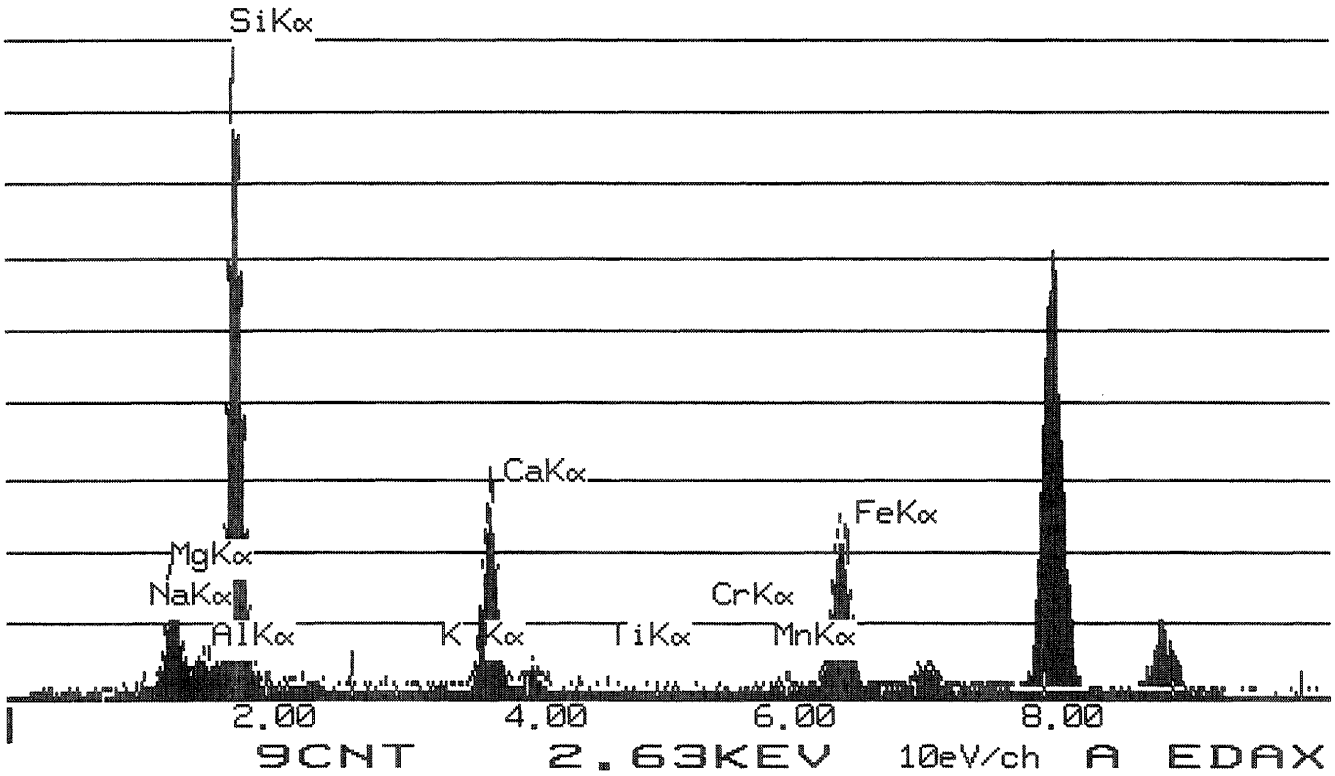


INTE-% :
LABEL = 041181-81 15373
16-NOV-72 10:20:51
130.349 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	6.337	7.984	13.239
ALK	1.097	0.830	1.569
SIK	37.047	26.253	56.164
K K	0.353	0.416	0.501
CAK	13.027	8.801	12.314
FEK	12.635	11.340	16.214
TOTAL			100.000

USED PEIF: USER

15-NOV-04 10:21:27 SUPER QUANT
RATE= 212CPS TIME= 130LSEC
FS= 531/ 531 PRST= 200LSEC
A =041181-81 15373



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.164	Si+4	7.9761	7.9761							
Al2O3	1.569	Al+3	0.2626	0.0239	**0.2387**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	16.214	Fe+3	0.0173			0.0173	0.0000				
MgO	13.239	Mg+2	2.8029			2.8029	**0.0000**				
MnO	0	Fe+2	1.9062			1.9062	**0.0000**				
CaO	12.314	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.8735					1.8735	0.0000		
K2O	0.501	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0908							0.0908	0.0000
Total	**100.001**		**Excess**	T site	**0.2387**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.9651**		**1.8735**		**0.0908**	**0.0000**
			%Fill	**100**		**99.3017**		**93.6747**			

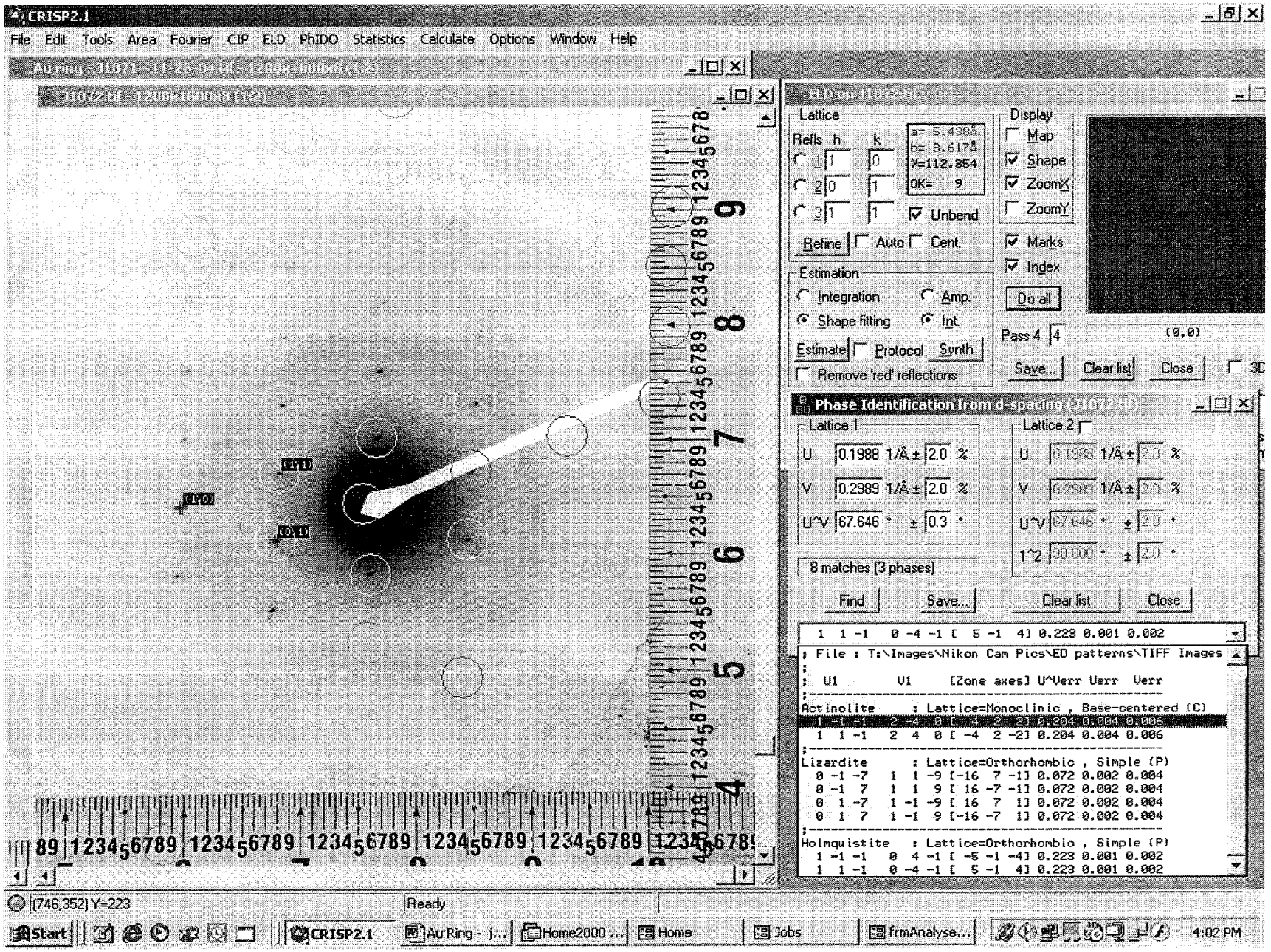
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-81-15373**

Values		Satisfied Conditions
(Ca,Na)@B	1.87	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.87	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.09	Si > 7.5
Mg/(Mg+Fe2)	0.60	(Mg/(Mg+Fe2))< 0.9
Si	7.98	

Mineral Analysis Program (Version 5.0)

Neg # J1072, Sample #041191-83
ACTINOLITE
[2 1 1]

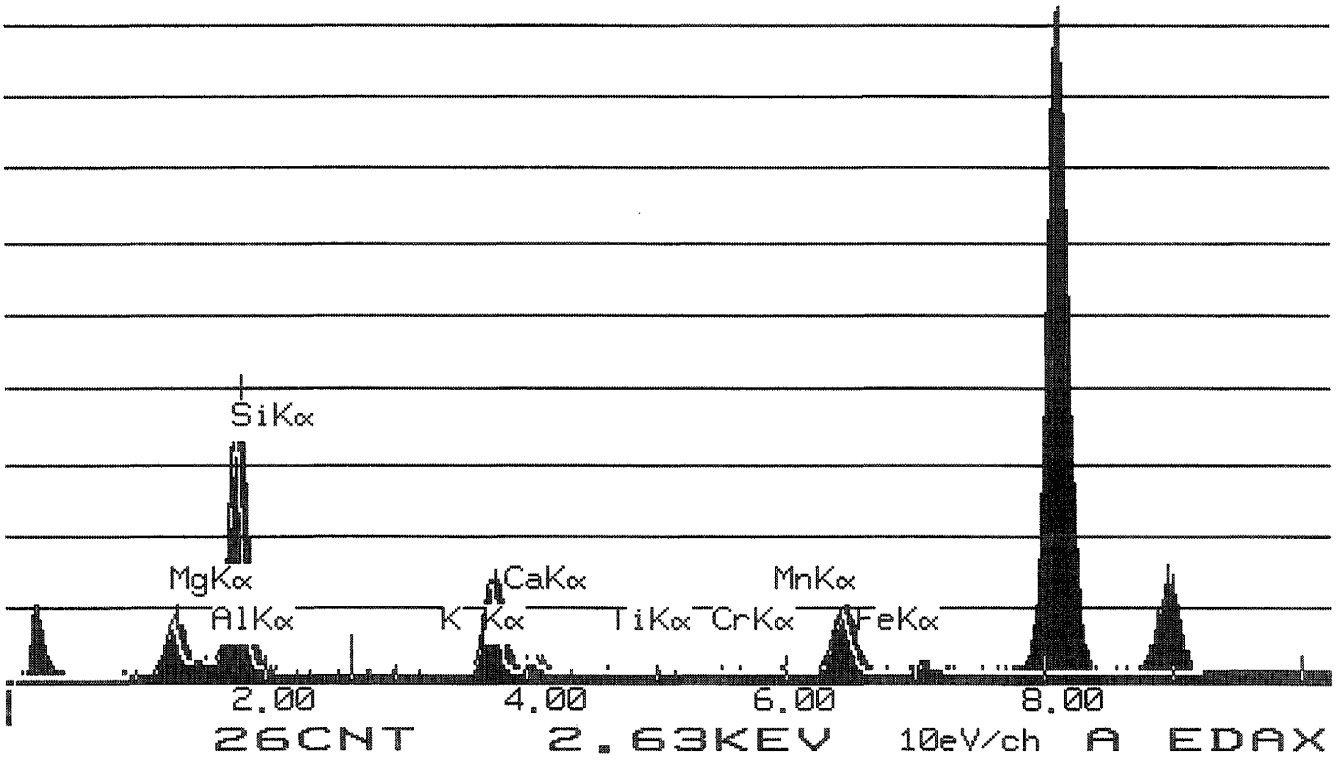


INTE-% :
LABEL = 041191-83 SP 15375
16-NOV-72 18:54:19
36.928 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	51.505	8.643	14.331
SIK	274.696	25.925	55.462
CAK	114.601	10.312	14.428
MNK	0.677	0.088	0.113
FEK	91.665	10.957	15.665
TOTAL			100.000

USED PEIF: USER

15-NOV-04 18:54:52 SUPER QUANT
RATE= 46CPS TIME= 37LSEC
FS= 2876/ 2876 PRST= 200LSEC
A =041191-83 SP 15375



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	55.462	Si+4	7.9238	7.9238							
Al2O3	0	Al+3	0.0000	0.0000	**0.0000**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	15.665	Fe+3	0.0168			0.0168	0.0000				
MgO	14.331	Mg+2	3.0524			3.0524	**0.0000**				
MnO	0.113	Fe+2	1.8527			1.8527	**0.0000**				
CaO	14.428	Mn+2	0.0137			0.0137	**0.0000**				
Na2O	0	Ca+2	2.2083					2.0000	0.2083		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**99.999**		**Excess**	T site	**0.0000**	C site	**0.0000**	B site	**0.2083437**	A site	**0**
			Total	**7.9238**		**4.9356**		**2.0000**		**0.0000**	**0.0000**
			%Fill	**99.048**		**98.7123**		**100**			

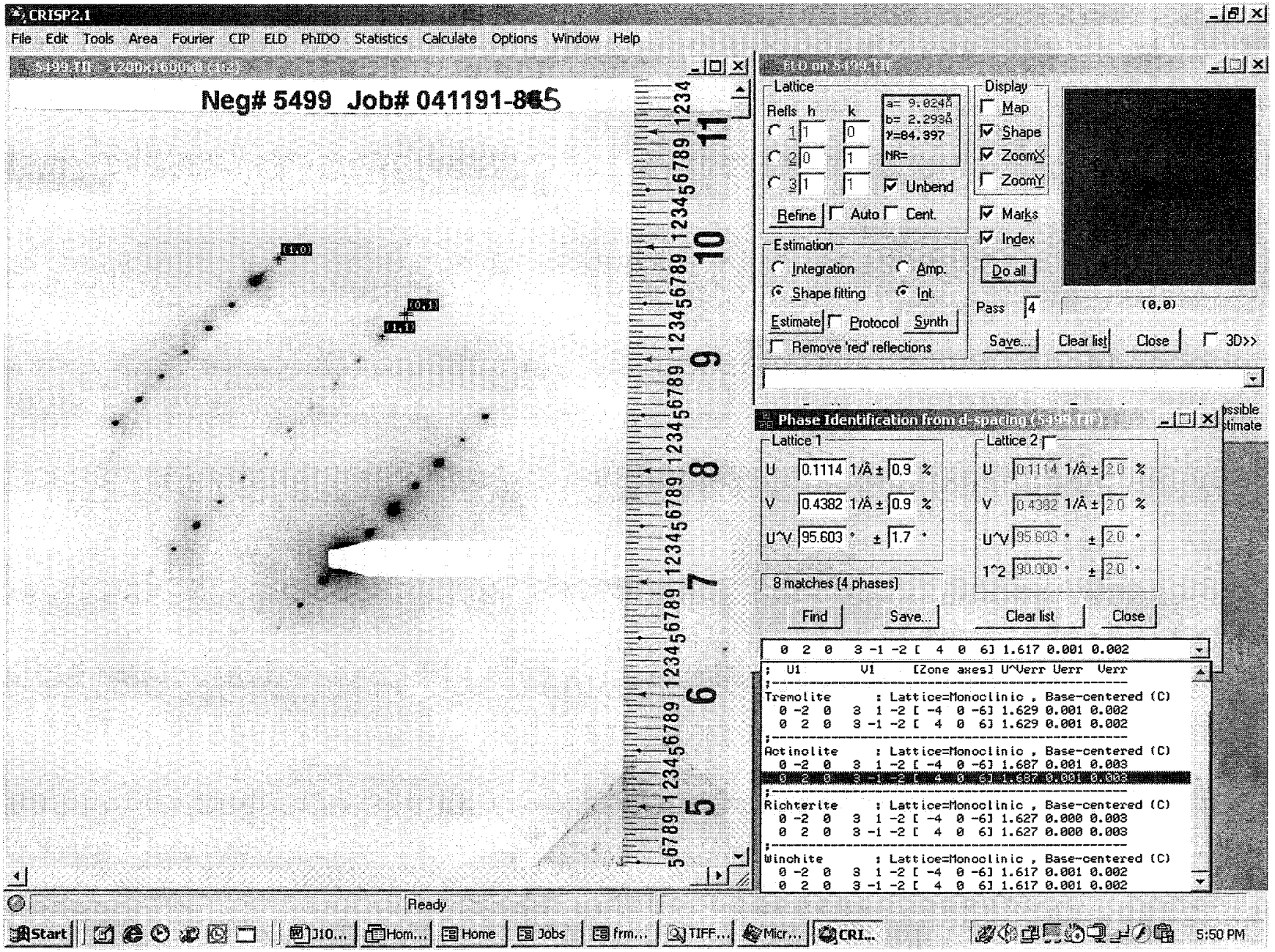
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-83-15375**

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.62	(Mg/(Mg+Fe2))< 0.9
Si	7.92	

Mineral Analysis Program (Version 5.0)

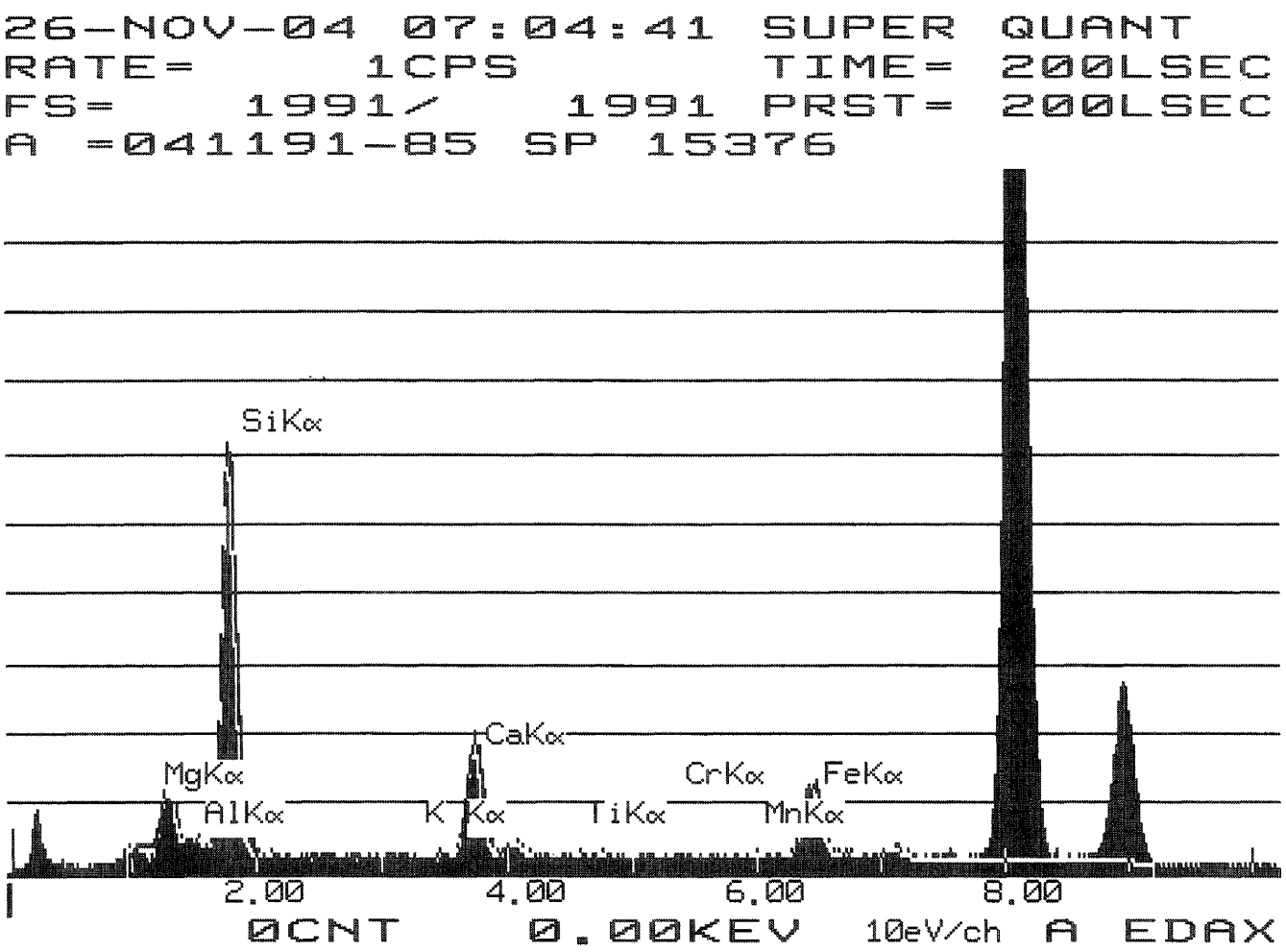
Neg # 5499, Sample #041191-85
ACTINOLITE
[2 0 3]



INTE-% :
LABEL = 041191-85 SP 15376
27-NOV-72 07:04:12
200.000 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	9.235	7.966	13.209
ALK	0.375	0.194	0.367
SIK	58.960	28.606	61.198
K K	0.220	0.177	0.214
CAK	18.865	8.726	12.210
MNK	0.175	0.117	0.151
FEK	14.400	8.849	12.651
TOTAL			100.000

USED PEIF: USER



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	61.198	Si+4	8.0000	8.0000							
Al2O3	0.367	Al+3	0.0970	0.0000	**0.0970**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	12.651	Fe+3	0.0370			0.0370	0.0000				
MgO	13.209	Mg+2	2.8115			2.8115	**0.0000**				
MnO	0.151	Fe+2	1.4980			1.4980	**0.0000**				
CaO	12.21	Mn+2	0.0713			0.0713	**0.0000**				
Na2O	0	Ca+2	1.8727					1.8727	0.0000		
K2O	0.214	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0781							0.0781	0.0000
Total	**100**		**Excess**	T site	**0.0970**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.5149**		**1.8727**		**0.0781**	**0.0000**
			%Fill	**100**		**90.2971**		**93.637**			

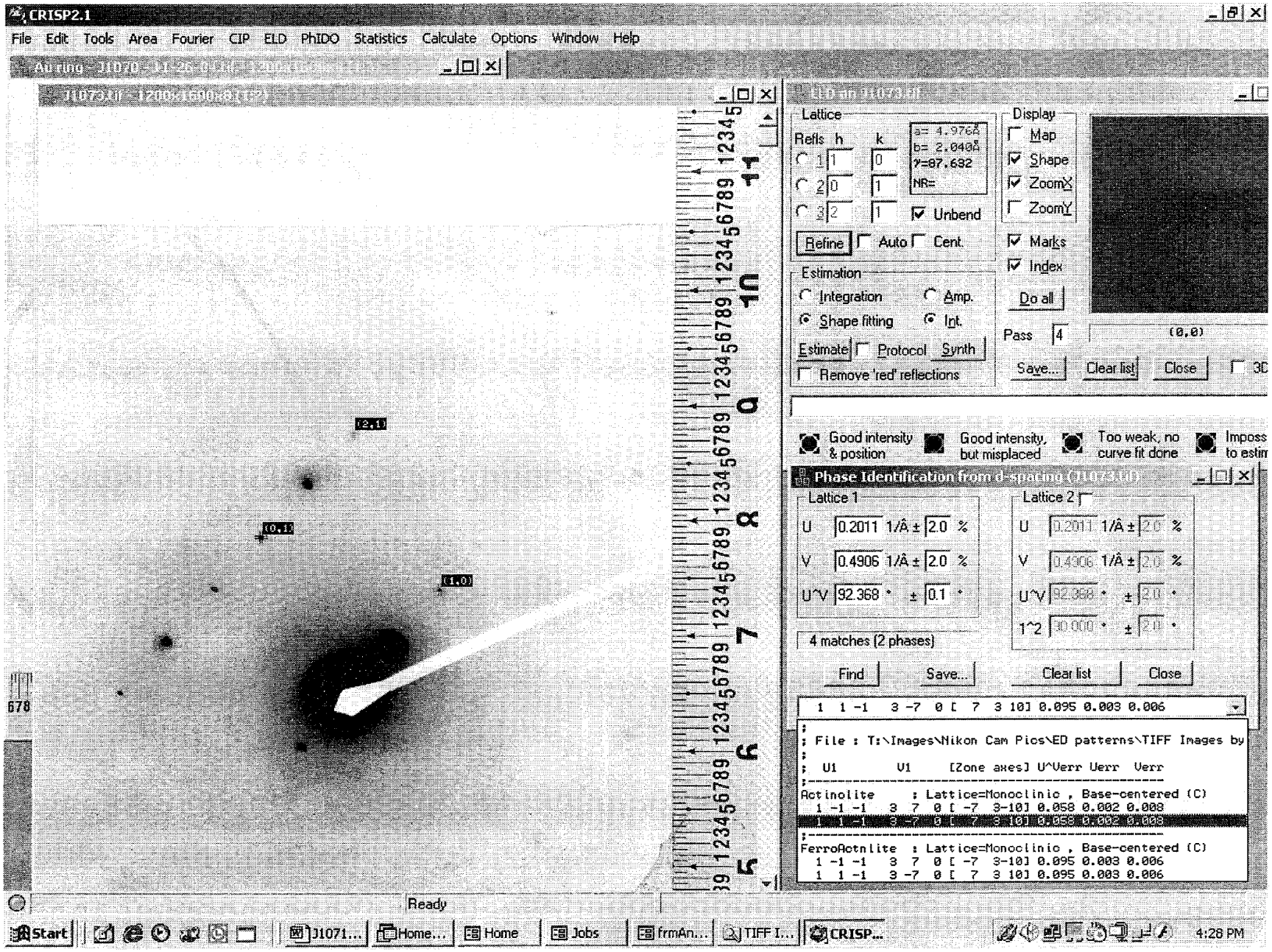
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-58-15376**

Values		Satisfied Conditions
(Ca,Na)@B	1.87	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.87	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.08	Si > 7.5
Mg/(Mg+Fe2)	0.65	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

Neg # J1073, Sample #041191-86
ACTINOLITE
[7 3 10]



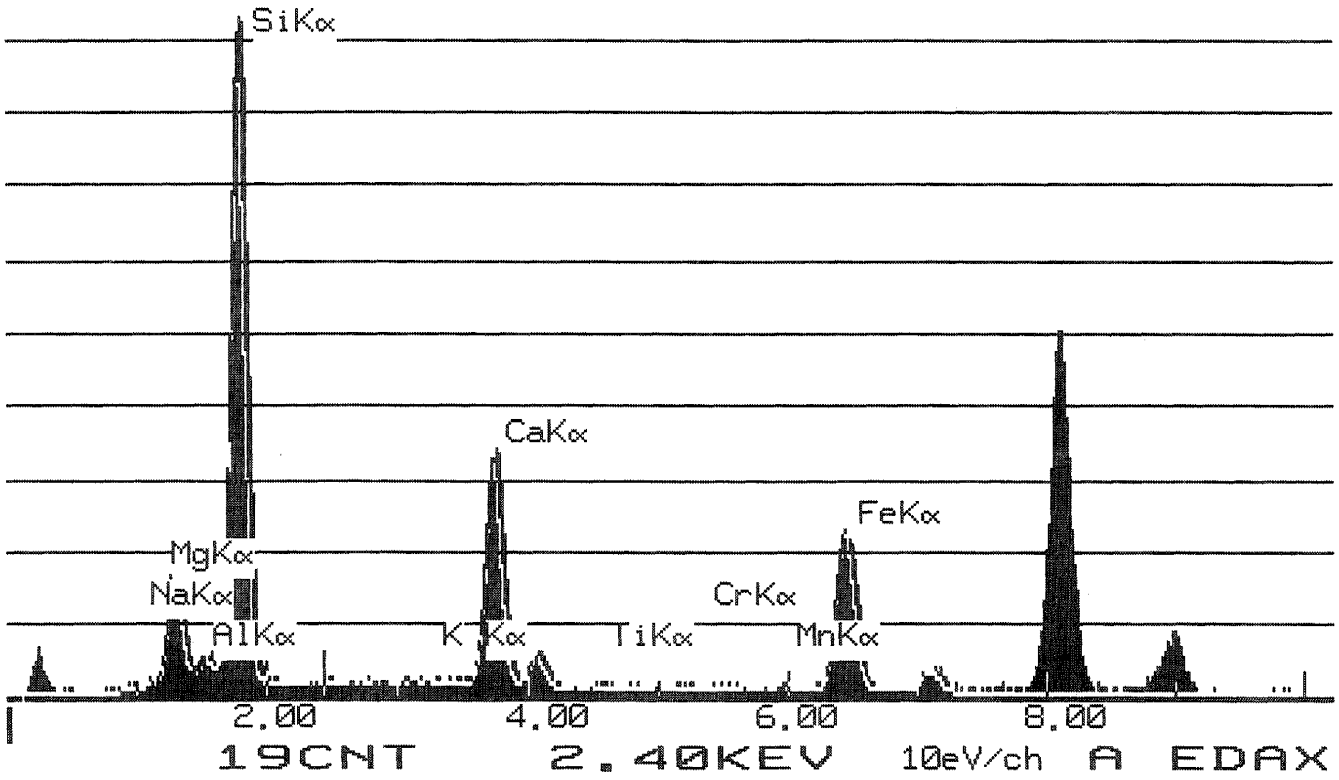
INTE-% :
LABEL = 041191-86 15396
20-NOV-72 10:49:02
44.824 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	51.825	8.548	14.173
ALK	5.800	0.575	1.086
SIK	272.936	25.318	54.165
CAK	112.842	9.980	13.964
TIK	0.469	0.058	0.097
CRK	1.049	0.129	0.189
MNK	3.146	0.401	0.518
FEK	94.102	11.056	15.807

TOTAL			100.000

USED PEIF: USER

19-NOV-04 10:49:21 SUPER QUANT
RATE= 12CPS TIME= 44LSEC
FS= 1355/ 1355 PRST= 200LSEC
A =041191-86 15396



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.165	Si+4	7.7662	7.7662							
Al2O3	1.086	Al+3	0.1835	0.1835	**0.0000**						
TiO2	0.097	Ti+4	0.0105	0.0105	**0.0000**						
Cr2O3	0.189	Cr+3	0.0214			0.0214	0.0000				
Fe(total)O	15.807	Fe+3	0.0171			0.0171	0.0000				
MgO	14.173	Mg+2	3.0296			3.0296	**0.0000**				
MnO	0.518	Fe+2	1.8762			1.8762	**0.0000**				
CaO	13.964	Mn+2	0.0629			0.0558	**0.0071**				
Na2O	0	Ca+2	2.1450					1.9929	0.1521		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**99.999**		**Excess**	T site	**0.0000**	C site	**0.0071**	B site	**0.1521133**	A site	**0**
			Total	**7.9602**		**5.0000**		**1.9929**		**0.0000**	**0.0000**
			%Fill	**99.503**		**100**		**99.6434**			

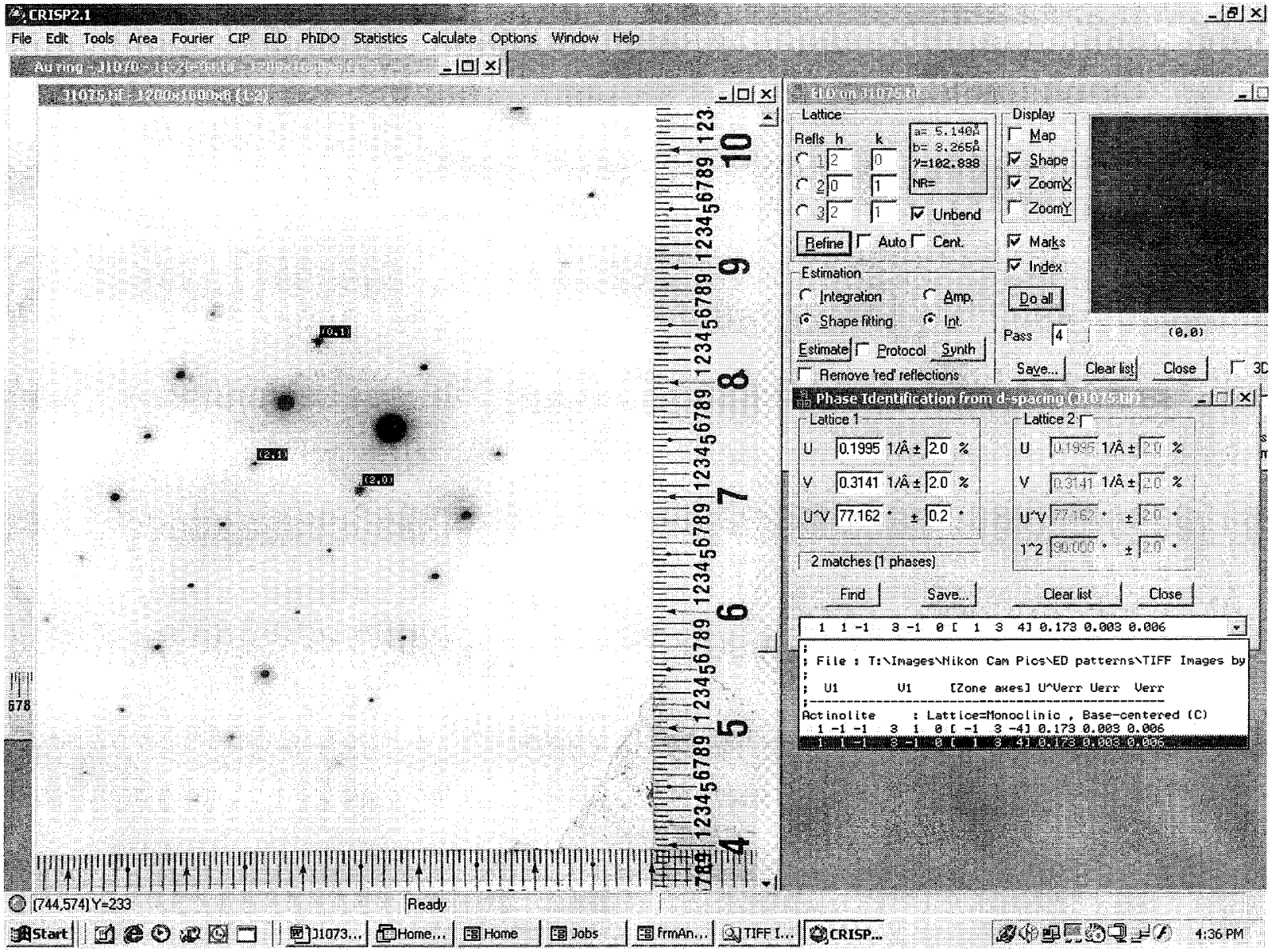
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-86-15396**

Values		Satisfied Conditions
(Ca,Na)@B	1.99	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.99	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.62	(Mg/(Mg+Fe2))< 0.9
Si	7.77	

Mineral Analysis Program (Version 5.0)

Neg # J1075, Sample #041191-88
ACTINOLITE
[1 3 4]

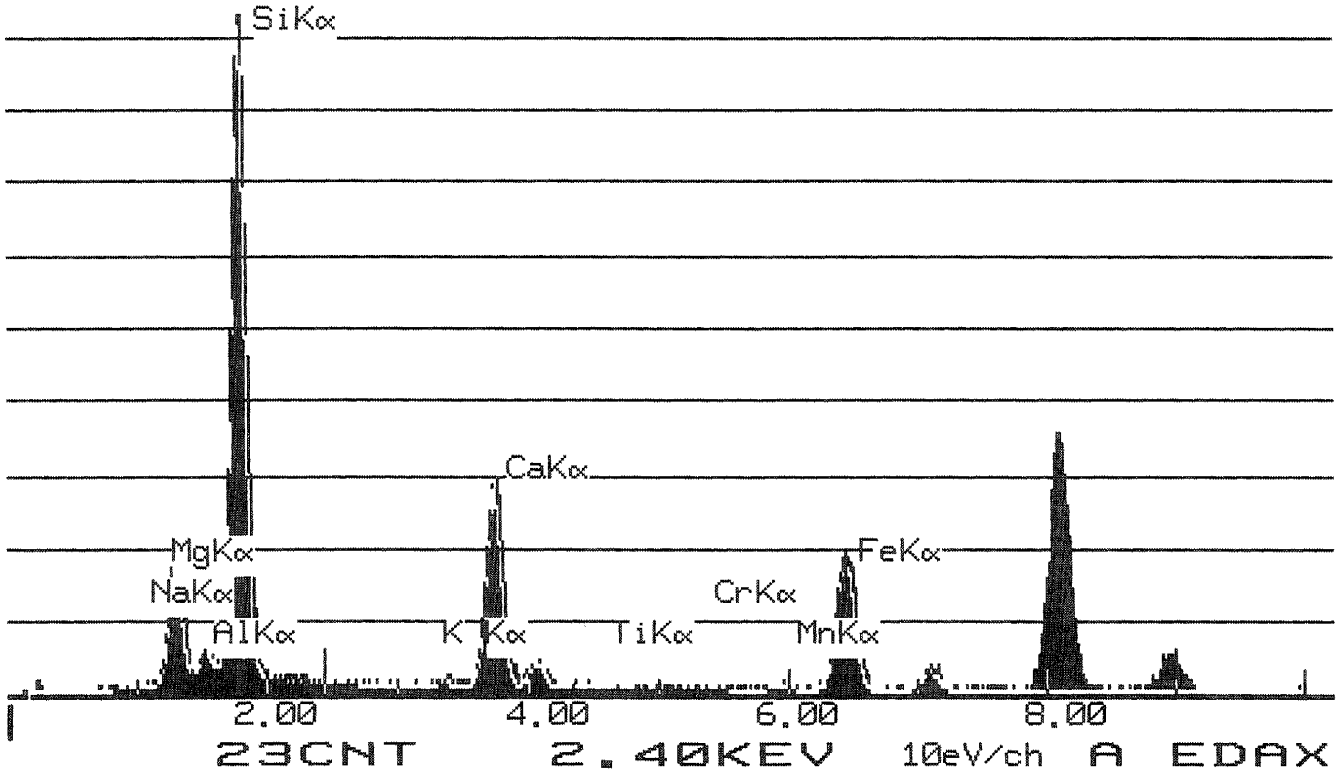


INTE-% :
LABEL = 041191-88 15398
22-NOV-72 00:15:15
45.017 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	68.862	9.697	16.078
ALK	12.595	1.065	2.013
SIK	327.762	25.958	55.533
K K	3.621	0.477	0.574
CAK	115.133	8.694	12.164
TIK	1.244	0.132	0.221
CRK	0.311	0.033	0.048
MNK	3.110	0.339	0.437
FEK	90.165	9.044	12.931
TOTAL			100.000

USED PEIF: USER

21-NOV-04 00:15:45 SUPER QUANT
RATE= 8CPS TIME= 45LSEC
FS= 1591/ 1591 PRST= 200LSEC
A =041191-88 15398



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	55.533	Si+4	7.7712	7.7712							
Al2O3	2.013	Al+3	0.3320	0.2288	**0.1032**						
TiO2	0.221	Ti+4	0.0233	0.0000	**0.0233**						
Cr2O3	0.048	Cr+3	0.0053			0.0053	0.0000				
Fe(total)O	12.931	Fe+3	0.2859			0.2859	0.0000				
MgO	16.078	Mg+2	3.3542			3.3542	**0.0000**				
MnO	0.437	Fe+2	1.1954			1.1954	**0.0000**				
CaO	12.164	Mn+2	0.0518			0.0327	**0.0191**				
Na2O	0	Ca+2	1.8236					1.8236	0.0000		
K2O	0.574	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.1025							0.1025	0.0000
Total	**99.999**		**Excess**	T site	**0.1264**	C site	**0.0191**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.8236**		**0.1025**	**0.0000**
			%Fill	**100**		**100**		**91.1812**			

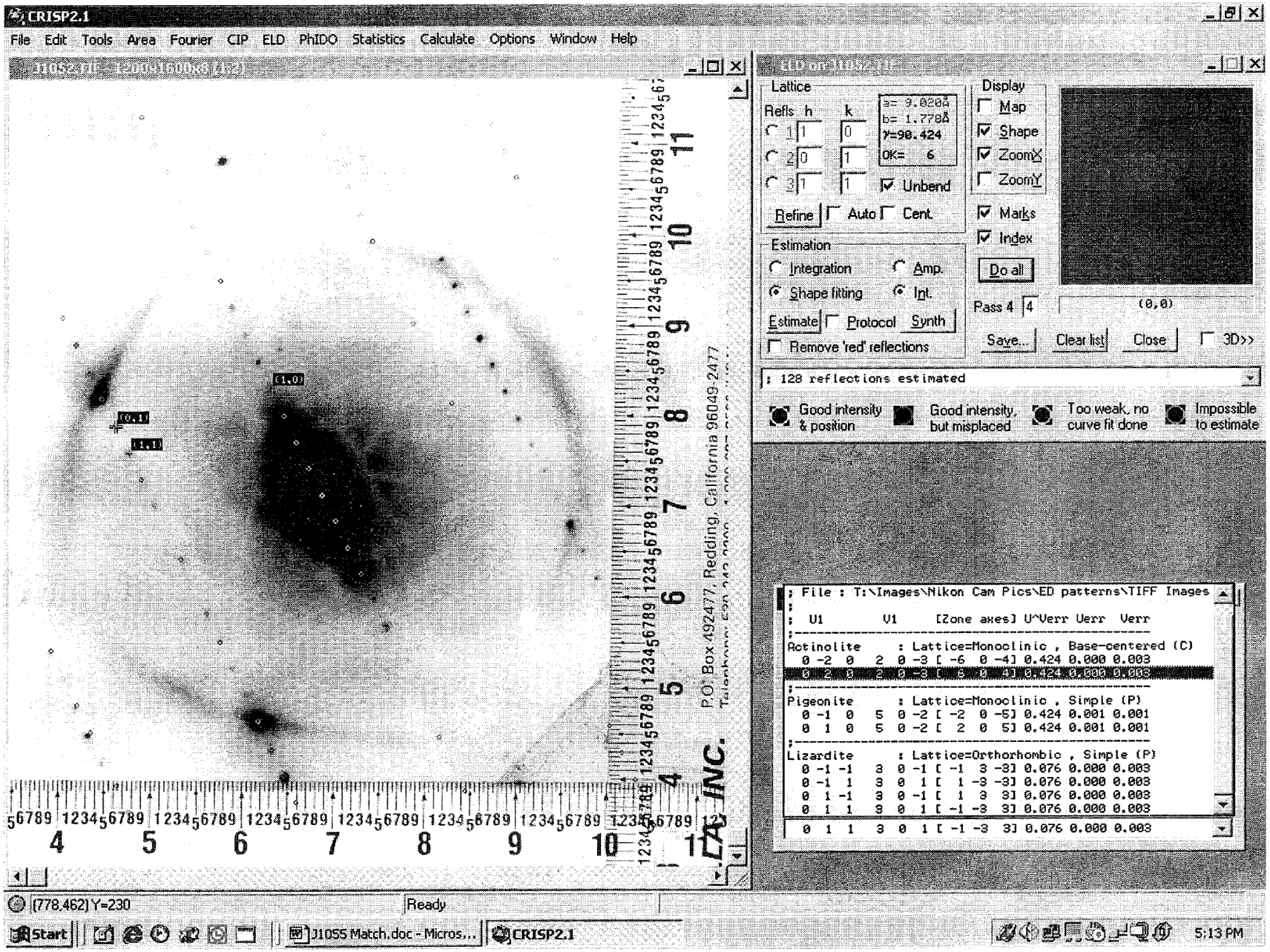
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-88-15398**

Values		Satisfied Conditions
(Ca,Na)@B	1.82	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.82	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.10	Si > 7.5
Mg/(Mg+Fe2)	0.74	(Mg/(Mg+Fe2))< 0.9
Si	7.77	

Mineral Analysis Program (Version 5.0)

Neg # J1052, Sample #041191-90
ACTINOLITE
[3 0 2]



*
*X QUANTIFY

QUANTIFY
Standardless Analysis

Ohigand = 5.44
*

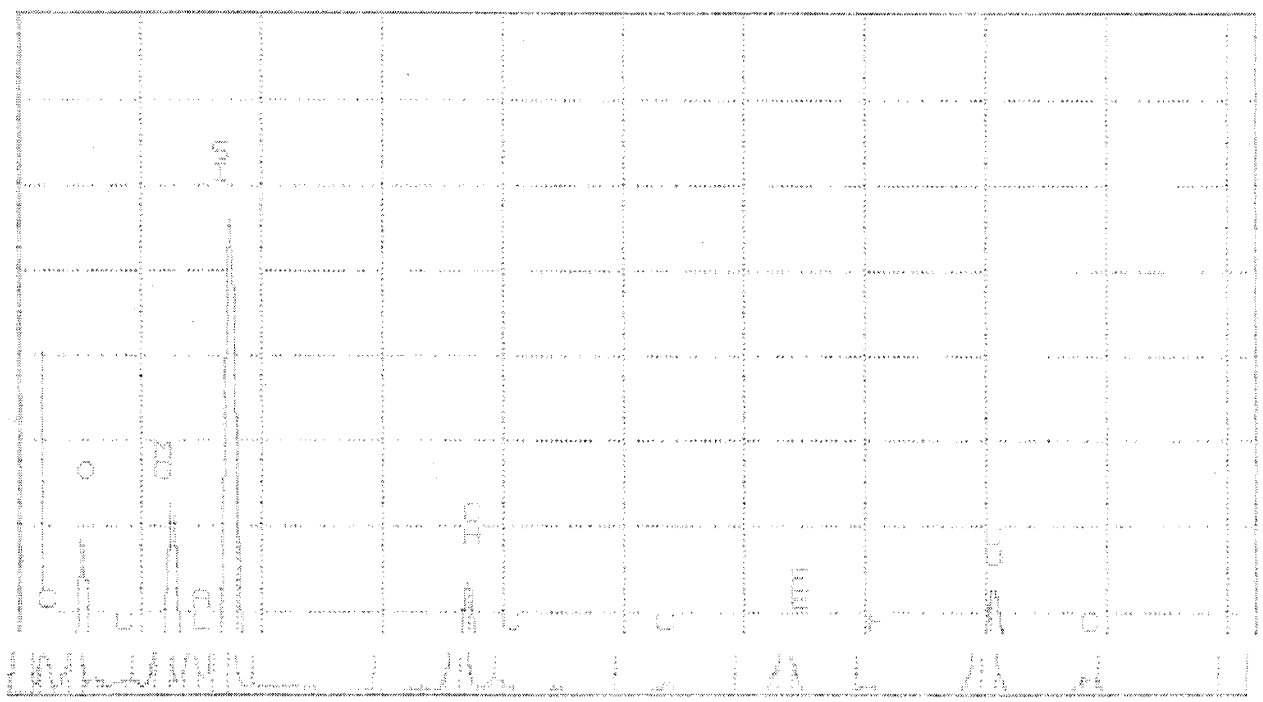
Element	Net Counts	
Si-K	15859 +/-	246
Mg-K	5844 +/-	233
Al-K	1460 +/-	287
Ca-K	4648 +/-	134
Fe-K	2816 +/-	109
Na-K	204 +/-	114
K-K	72 +/-	70

REF.S EDS:STK EDS:MDK EDS:ALK EDS:CAK EDS:FEK EDS:NAK
EDS:K K

041191-90 SP780

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	15859	1.000	1.000	20.98	27.37	58.66	SIO2
MG-K	5844	1.000	0.369	9.02	10.09	16.81	MGO
AL-K	1460	0.750	0.069	1.50	1.89	3.57	AL2O3
CA-K	4648	0.949	0.278	4.09	7.62	10.67	CAO
FE-K	2816	1.399	0.249	2.61	6.81	9.72	FE2O3
NA-K	204	0.549	0.007	0.18	0.19	0.40	NA2O3
K-K	72	1.059	0.005	0.07	0.13	0.16	K2O
O			1.676	61.54	45.89		

TM-5400 University of Washington / JEOL SAT 24-NOV-94 18:34
Cursor: 0.000keV = 0



0.000 H- 5 VPS = 2048 10 240
S4 041191-90 SP780

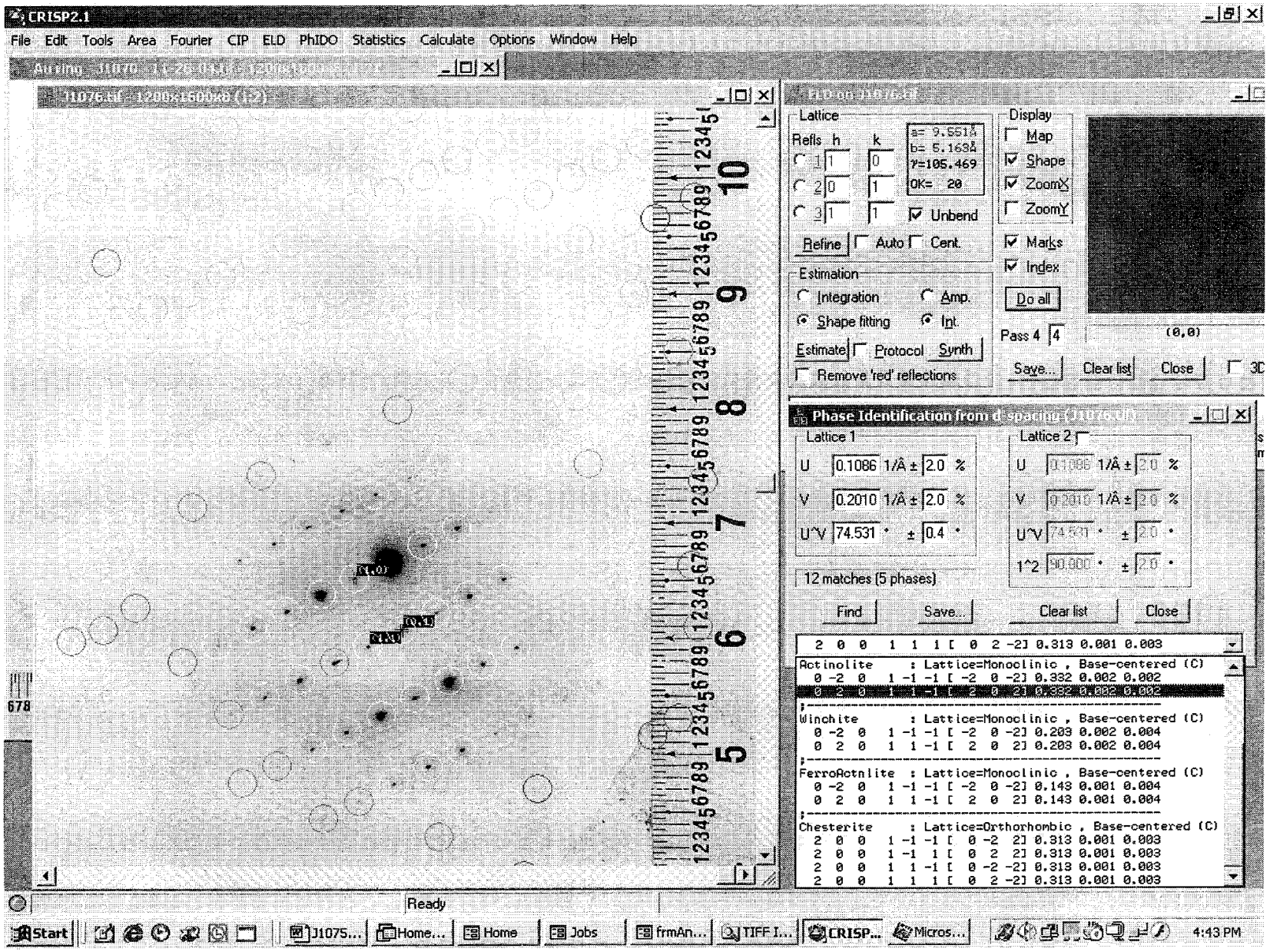
	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	58.66	Si+4	7.9647	7.9647							
Al2O3	3.57	Al+3	0.5713	0.0353	**0.5360**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	9.72	Fe+3	0.2284			0.2284	0.0000				
MgO	16.81	Mg+2	3.4027			3.4027	**0.0000**				
MnO	0	Fe+2	0.8497			0.8329	**0.0168**				
CaO	10.67	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.4	Ca+2	1.5521					1.5521	0.0000		
K2O	0.16	Na+	0.1053					0.1053	**0.0000**	0.0000	0.0000
		K+	0.0277							0.0277	0.0000
Total	**99.99**		**Excess**	T site	**0.5360**	C site	**0.0168**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.6574**		**0.0277**	**0.0000**
Prefix	none		**%Fill**	**100**		**100**		**82.869**			
Name	actinolite										
Modifier	none										
Group	Calcic Amphibole										

Sample # **041191-90-780**

Values		Satisfied Conditions
(Ca,Na)@B	1.66	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.11	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.55	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.03	Si > 7.5
Mg/(Mg+Fe2)	0.80	(Mg/(Mg+Fe2))< 0.9
Si	7.96	

Mineral Analysis Program (Version 5.0)

Neg # J1076, Sample #041191-91
ACTINOLITE
[1 0 1]



SQMIF: QUANTIFY
Standardless Analysis

Refit _NAK' _NAK"
Refit _MGK' _ALK' _ALK" _NAK _K K"
Chi-sqd = 3.04

Element	Net Counts		
Si-K	8846	+/-	137
Mg-K	2484	+/-	91
Al-K	730	+/-	58
Ca-K	3198	+/-	111
Fe-K	3291	+/-	113
Na-K	0	+/-	0
K-K	117	+/-	28

PEAKS EDS:SIK EDS:MGK EDS:ALK EDS:CAK EDS:FEK EDS:NAK EDS:

041191-91 SP781

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	FL WT%	WT%	FORMULA
SI-K	8846	1.000	1.000	20.15	25.19	53.98	SIO2
MG-K	2484	1.000	0.281	6.60	7.07	11.79	MGO
AL-K	730	0.750	0.062	1.29	1.56	2.95	AL2O3
CA-K	3198	0.949	0.343	4.84	8.65	12.11	CAO
FE-K	3291	1.399	0.521	5.25	13.12	18.75	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
K-K	117	1.059	0.014	0.20	0.36	0.43	K2O
O			1.749	61.66	44.05		

TN-5300 University of Washington / JEOL SUN 21-NOV-04 09:51
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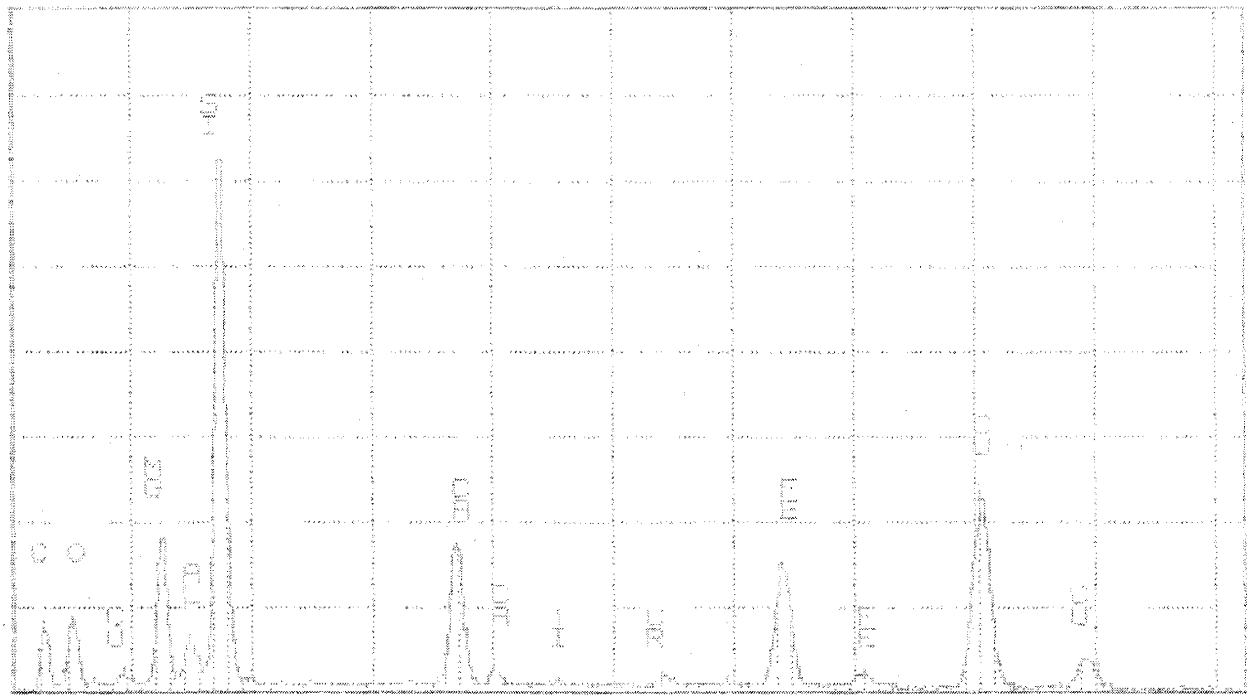


0.000 VFS = 1024 10.240

0 041191-91 SP781

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	53.98	Si+4	7.7566	7.7566							
Al2O3	2.95	Al+3	0.4996	0.2434	**0.2562**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	18.75	Fe+3	0.1419			0.1419	0.0000				
MgO	11.79	Mg+2	2.5257			2.5257	**0.0000**				
MnO	0	Fe+2	2.0952			2.0762	**0.0190**				
CaO	12.11	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.8643					1.8643	0.0000		
K2O	0.43	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0788							0.0788	0.0000
Total	**100.01**		**Excess**	T site	**0.2562**	C site	**0.0190**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.8643**		**0.0788**	**0.0000**
			%Fill	**100**		**100**		**93.2128**			

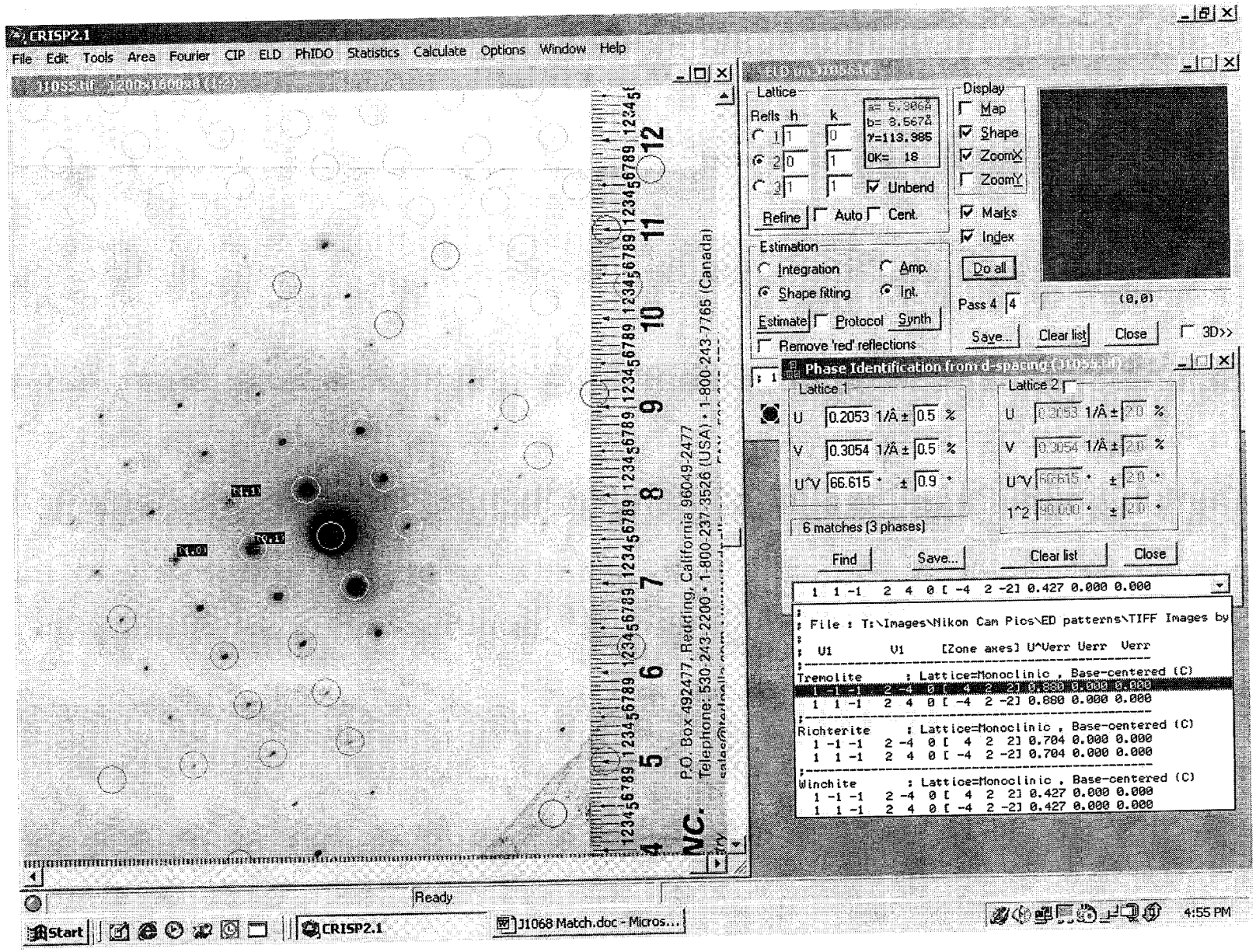
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-91-781**

Values		Satisfied Conditions
(Ca,Na)@B	1.86	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.86	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.08	Si > 7.5
Mg/(Mg+Fe2)	0.55	(Mg/(Mg+Fe2))< 0.9
Si	7.76	

Mineral Analysis Program (Version 5.0)

Neg # J1055, Sample #041191-92
TREMOLITE
[2 1 1]



0 041191-91 SP782
SUMIF: QUANTIFY
Standardless Analysis
*
Ref: _ALK" _ALK" _NAK' _NAK"
Refit _ALK _FEK' _FEK" _NAK
Chi-sqd = 3.07

Element	Net Counts	
Si-K	11982 +/-	141
Mg-K	4812 +/-	99
Al-K	0 +/-	0
Ca-K	4314 +/-	129
Fe-K	679 +/-	48
Na-K	0 +/-	0
K-K	98 +/-	67

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:CAK EDS:FEK EDS:NAK
EDS:K K

041191-92 SP783

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
Si-K	11982	1.000	1.000	22.10	29.21	62.74	SIO2
MG-K	4812	1.000	0.402	10.36	11.76	19.60	MGO
AL-K	0	0.750	0.000	0.00	0.00	0.00	AL2O3
CA-K	4314	0.949	0.342	5.29	10.02	14.02	CAO
FE-K	679	1.399	0.079	0.88	2.33	3.12	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
K-K	98	1.059	0.009	0.14	0.25	0.31	K2O
O			1.583	61.24	46.36		

TN-5600 University of Washington / JEOL SUN 21-NOV-04 10:50
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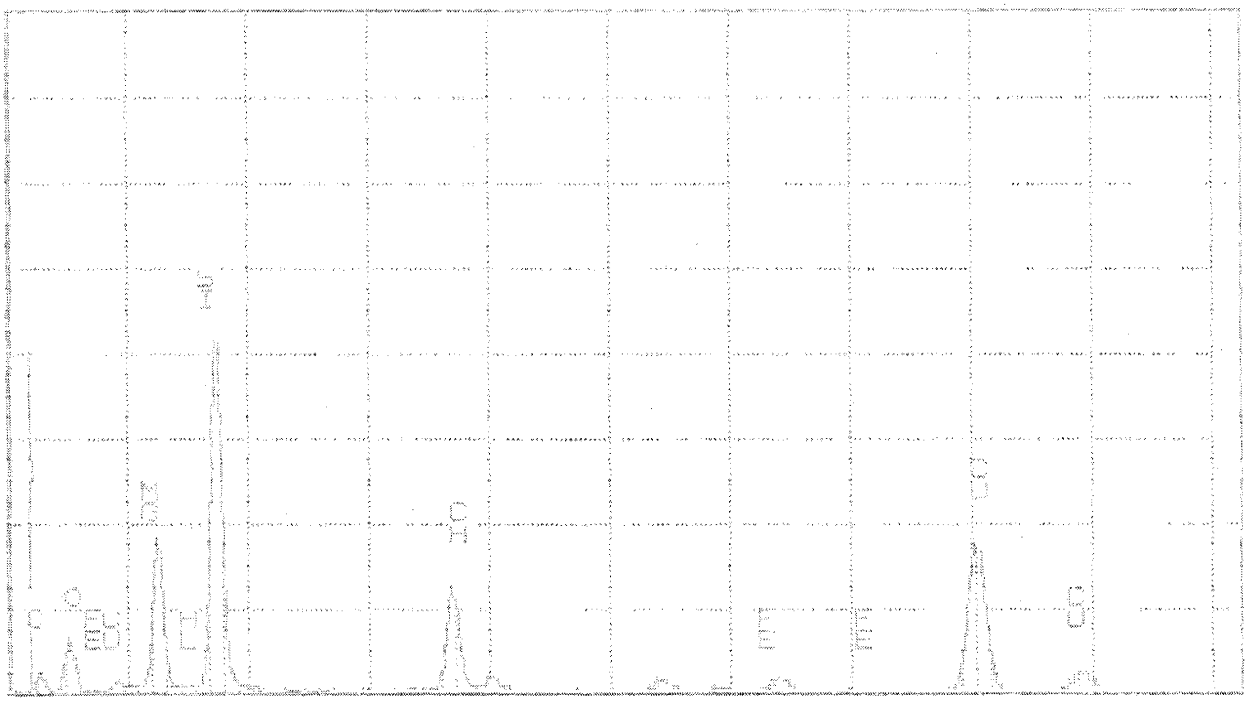


0.000 B- 5 VFS = 2048 10.240
48 041191-92 SP783

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	62.74	Si+4	8.0000	8.0000							
Al2O3	0	Al+3	0.0000	0.0000	**0.0000**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	3.32	Fe+3	0.0301			0.0301	0.0000				
MgO	19.6	Mg+2	3.9974			3.9974	**0.0000**				
MnO	0	Fe+2	0.4255			0.4255	**0.0000**				
CaO	14.02	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	2.0765					2.0000	0.0765		
K2O	0.31	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0980							0.0980	0.0000
Total	**99.99**		**Excess**	T site	**0.0000**	C site	**0.0000**	B site	**0.0764706**	A site	**0**
			Total	**8**		**4.4529**		**2.0000**		**0.0980**	**0.0000**
			%Fill	**100**		**89.0589**		**100**			

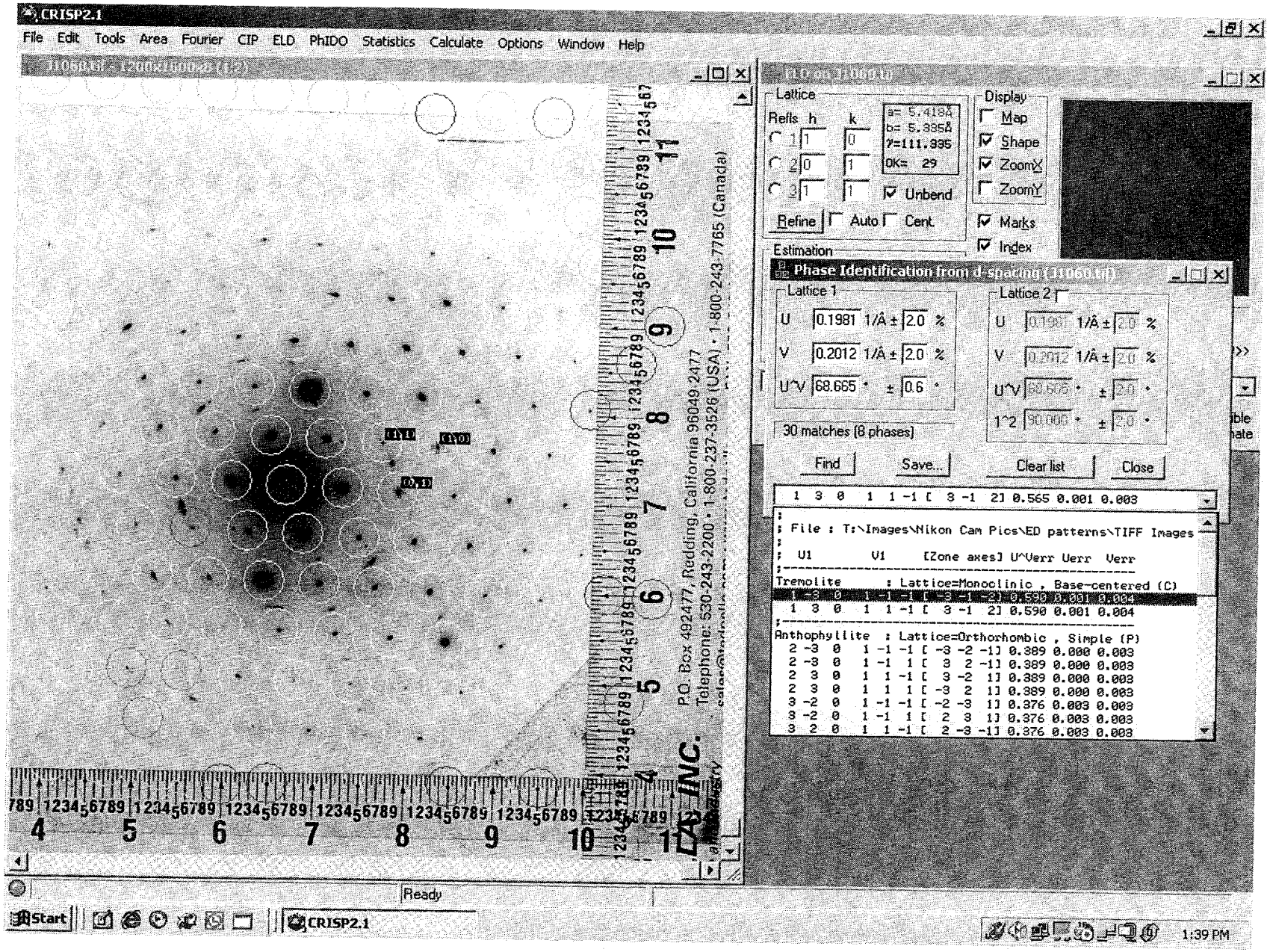
Prefix none
Name tremolite
Modifier none
Group Calcic Amphibole

Sample # **041191-92-783**

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.10	Si > 7.5
Mg/(Mg+Fe2)	0.90	(Mg/(Mg+Fe2))>= 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

Neg # J1060, Sample #041191-93
TREMOLITE
[3 1 2]



SQMIF: QUANTIFY
Standardless Analysis

Refit _ALK' _ALK" _NAK' _NAK" _K K' _K K"
Refit _ALK _NAK
Chi-sqd = 1.86

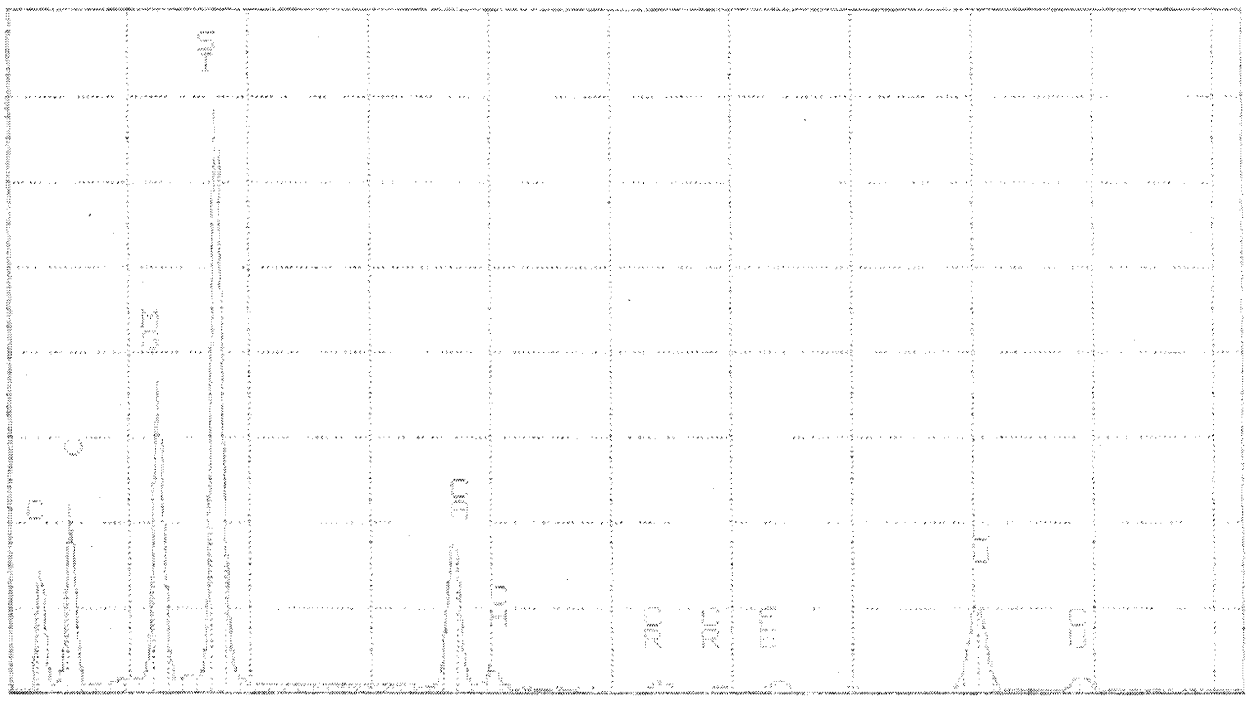
Element	Net Counts	
Si-K	19410 +/-	183
Mg-K	9185 +/-	134
Al-K	0 +/-	0
Ca-K	6487 +/-	154
Fe-K	437 +/-	75
Na-K	0 +/-	0
K -K	61 +/-	34

K REF.S EDS:SIK EDS:MGK EDS:ALK EDS:CAK EDS:FEK EDS:NAK EDS

041191-93 SP788

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	FI WT%	WT%	FORMULA
SI-K	19410	1.000	1.000	21.78	29.20	62.56	SIO2
MG-K	9185	1.000	0.473	12.02	13.82	23.03	MGO
AL-K	0	0.750	0.000	0.00	0.00	0.00	AL2O3
CA-K	6487	0.949	0.318	4.84	9.27	12.98	CAO
FE-K	437	1.399	0.032	0.34	0.92	1.32	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
K-K	61	1.059	0.003	0.05	0.10	0.12	K2O
O			1.600	60.96	46.70		

TN-5500 University of Washington / JEOL SUN 21-NOV-04 18:32
Cursor: 0.000KeV = 0



0.000 VFS = 2043 10.240
109 041191-93 SP788

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	62.56	Si+4	8.0000	8.0000							
Al2O3	0	Al+3	0.0000	0.0000	**0.0000**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	1.32	Fe+3	0.0196			0.0196	0.0000				
MgO	23.03	Mg+2	4.5969			4.5969	**0.0000**				
MnO	0	Fe+2	0.1847			0.1847	**0.0000**				
CaO	12.98	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.8846					1.8846	0.0000		
K2O	0.12	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0513							0.0513	0.0000
Total	**100.01**		**Excess**	T site	**0.0000**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.8013**		**1.8846**		**0.0513**	**0.0000**
			%Fill	**100**		**96.0251**		**94.2306**			

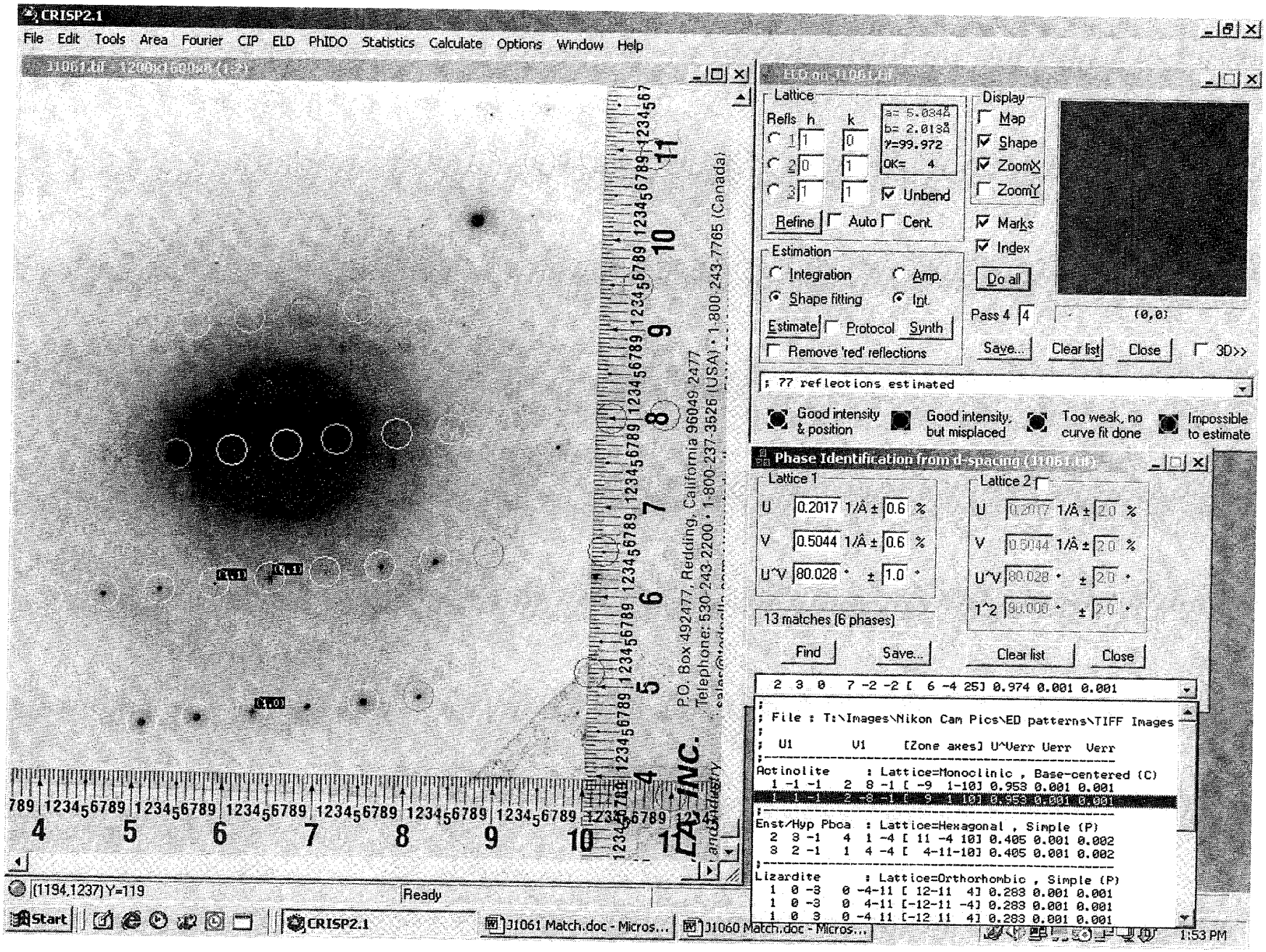
Prefix none
Name tremolite
Modifier none
Group Calcic Amphibole

Sample # **041191-93-788**

Values		Satisfied Conditions
(Ca,Na)@B	1.88	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.88	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.05	Si > 7.5
Mg/(Mg+Fe2)	0.96	(Mg/(Mg+Fe2))>= 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

Neg # J1061, Sample #041191-95
ACTINOLITE
[9 1 10]



*X 'SQMTF'
SQMTF -38/80

SQMTF: QUANTIFY
Standardless Analysis

Refit _NAK' _NAK" _K K' _K K"
Refit _ALK' _FEK" _NAK _K K
Refit _MGK'
Refit _ALK"
Chi-sqrt = 13.23

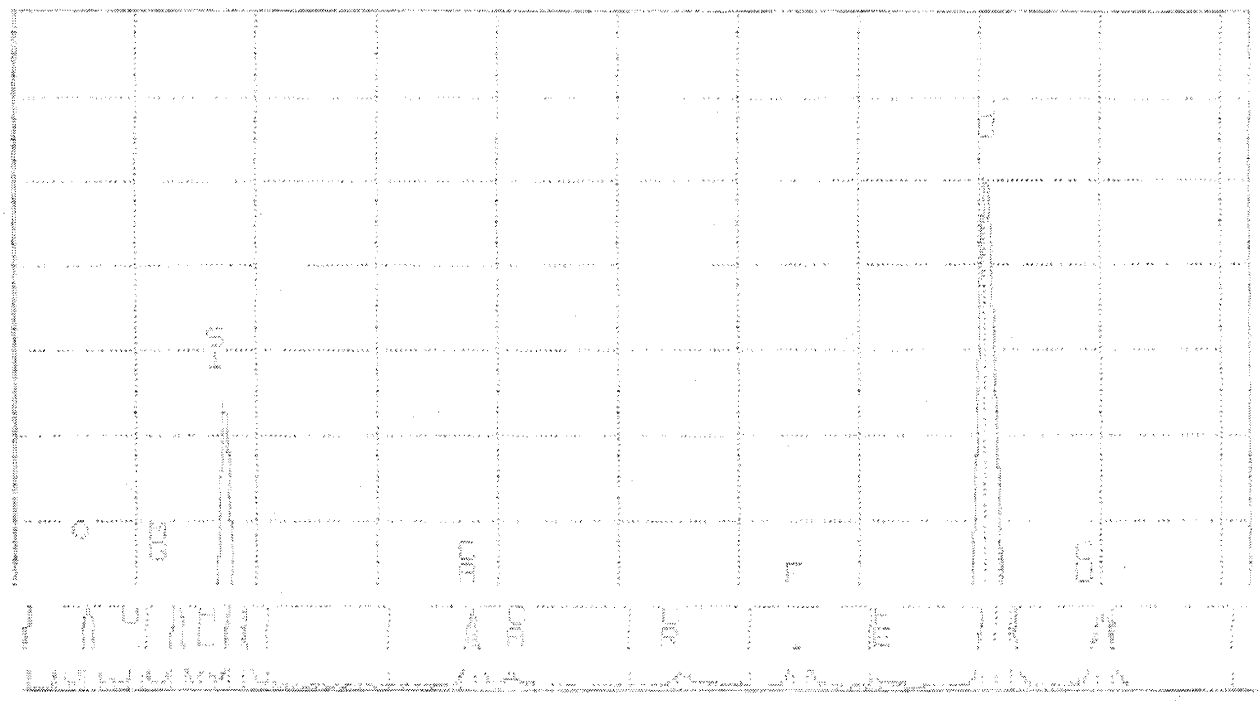
Element	Net Counts		
Si-K	9840	+/-	147
Mg-K	3688	+/-	115
Al-K	608	+/-	63
Ca-K	3213	+/-	117
Fe-K	2232	+/-	74
Na-K	0	+/-	0
K -K	0	+/-	0

K KREF.S EDS:SIK EDS:MGK EDS:ALK EDS:CAK EDS:FEK EDS:NAK EDS

041191-95 SP/BY

FT LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
SI-K	9840	1.000	1.000	20.72	26.71	57.24	SIO2
MG-K	3688	1.000	0.375	9.06	10.01	16.69	MGO
AL-K	608	0.750	0.046	1.00	1.24	2.34	AL2O3
CA-K	3213	0.949	0.310	4.50	8.29	11.60	CAO
FE-K	2232	1.399	0.318	3.29	8.48	12.12	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
K-K	0	1.059	0.000	0.00	0.00	0.00	K2O
O			1.694	61.43	45.26		

TN-5500 University of Washington / JSO MON 22-NOV-94 13:40
Cursor: 0.000keV = 0



0.000

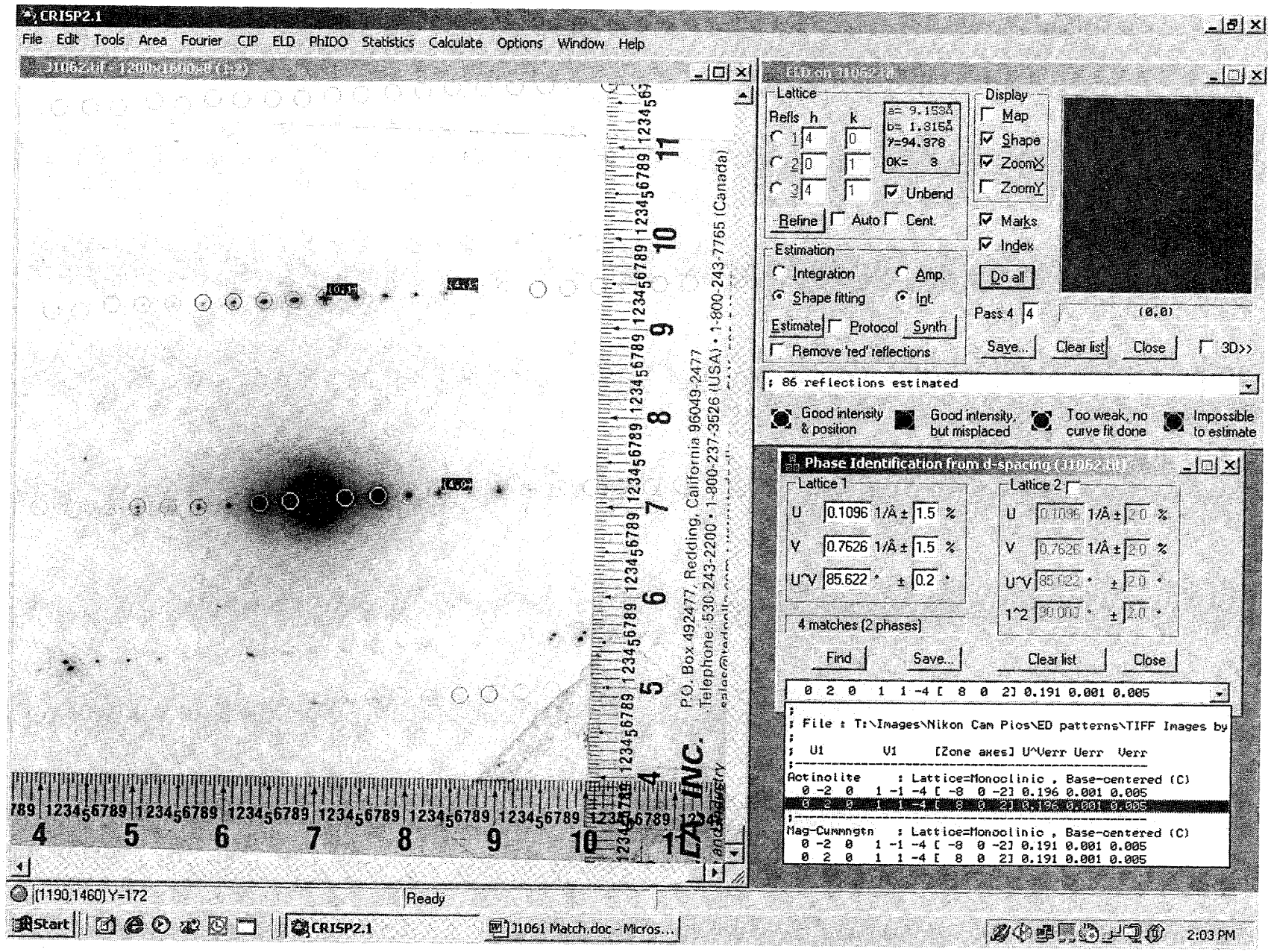
	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.24	Si+4	7.8708	7.8708							
Al2O3	2.34	Al+3	0.3792	0.1292	**0.2500**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	12.12	Fe+3	0.4264			0.4264	0.0000				
MgO	16.69	Mg+2	3.4214			3.4214	**0.0000**				
MnO	0	Fe+2	0.9198			0.9022	**0.0175**				
CaO	11.6	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7088					1.7088	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**99.99**		**Excess**	T site	**0.2500**	C site	**0.0175**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.7088**		**0.0000**	**0.0000**
Prefix	none		**%Fill**	**100**		**100**		**85.4419**			
Name	actinolite										
Modifier	none										
Group	Calcic Amphibole										

Sample # **041191-95-789**

Values		**Satisfied Conditions**
(Ca,Na)@B	**1.71**	**(Ca,Na)@B >= 1 and Na@B < 0.5**
Na@B	**0.00**	**Ca@B >= 1.5 and (Na,K)@A < 0.5**
Ca@B	**1.71**	**(Mg/(Mg+Fe2))>= 0.5**
(Na,K)@A	**0.00**	**Si > 7.5**
Mg/(Mg+Fe2)	**0.79**	**(Mg/(Mg+Fe2))< 0.9**
Si	**7.87**	

Mineral Analysis Program (Version 5.0)

Neg # J1062, Sample #041191-96
ACTINOLITE
[4 0 1]



*X 'SUMIF'

SUMIF: QUANTIFY
Standardless Analysis

Refit _NAK' _NAK" _K K' _K K"
Refit _ALK' _ALK" _FEK" _NAK _K K
Refit _MGK'
Chi-sqd = 3.26

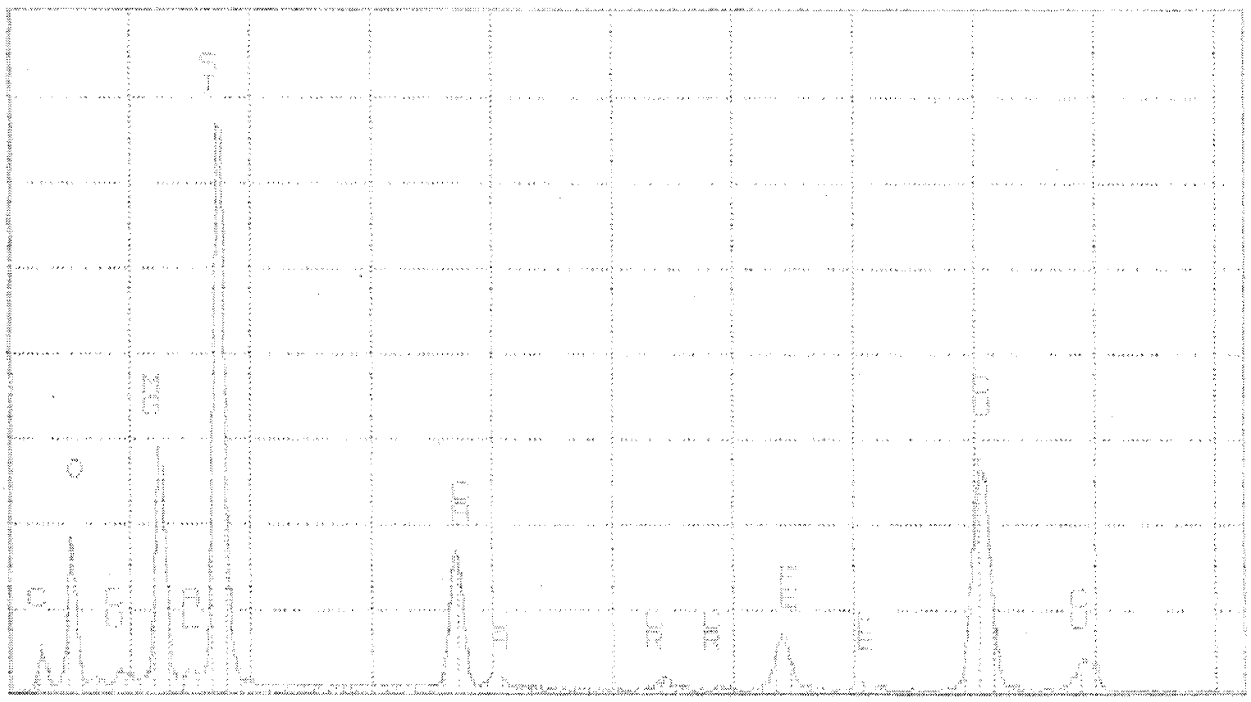
Element	Net Counts	
Si-K	19659 +/-	149
Mg-K	7683 +/-	149
Al-K	355 +/-	78
Ca-K	6200 +/-	149
Fe-K	2845 +/-	81
Na-K	0 +/-	0
K -K	0 +/-	0

K KREF.5 EDS:SIK EDS:MGK EDS:ALK EDS:CAK EDS:FEK EDS:NAK EDS

041191-96 SP790

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	EL WT%	WT%	FORMULA
Si-K	19659	1.000	1.000	21.65	28.34	60.72	SIO2
MG-K	7683	1.000	0.391	9.87	11.07	18.46	MGO
AL-K	355	0.750	0.014	0.30	0.38	0.73	AL2O3
CA-K	6200	0.949	0.300	4.54	8.49	11.89	CAO
FE-K	2845	1.399	0.203	2.19	5.74	8.20	FE2O3
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O3
K-K	0	1.059	0.000	0.00	0.00	0.00	K2O
O			1.622	61.45	45.97		

TN-5500 University of Washington / JFOL MON 22-NOV-04 17:34
Cursor: 0.000KeV = 0



0.000 VFS = 2048 10.240
63 041191-96 SP790

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	60.72	Si+4	8.0000	8.0000							
Al2O3	0.73	Al+3	0.1423	0.0000	**0.1423**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	8.2	Fe+3	0.0415			0.0415	0.0000				
MgO	18.46	Mg+2	3.7905			3.7905	**0.0000**				
MnO	0	Fe+2	0.9369			0.9369	**0.0000**				
CaO	11.89	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.7712					1.7712	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	100		Excess	T site	0.1423	C site	0.0000	B site	0	A site	0

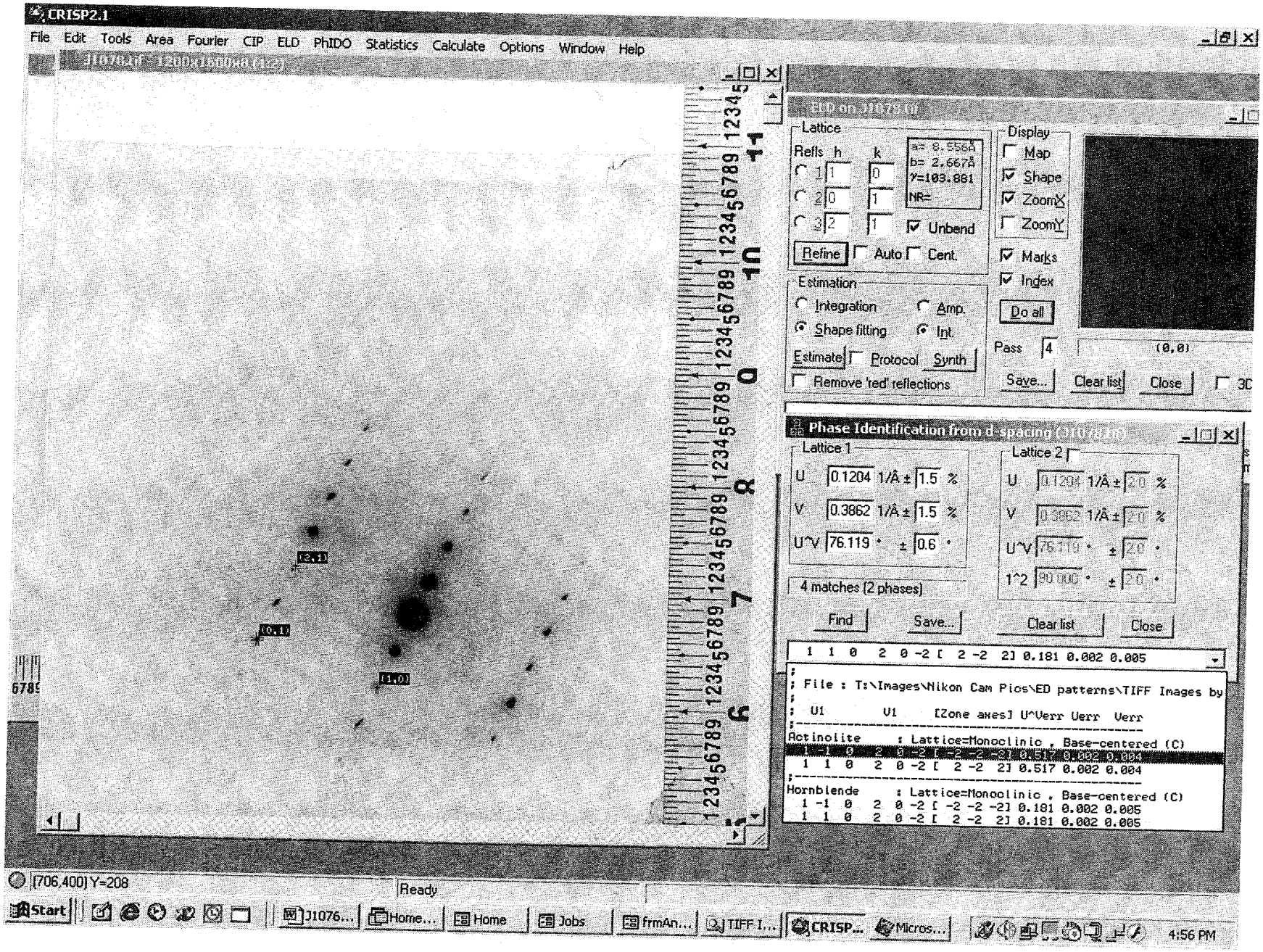
		Total	8	4.9112	1.7712	0.0000 0.0000
Prefix	none	%Fill	100	98.2238	88.5576	
Name	actinolite					
Modifier	none					
Group	Calcic Amphibole					

Sample # 041191-96-790

Values		Satisfied Conditions
(Ca,Na)@B	1.77	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.77	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.80	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

Neg # J1078, Sample #041191-103
ACTINOLITE
[1 1 1]

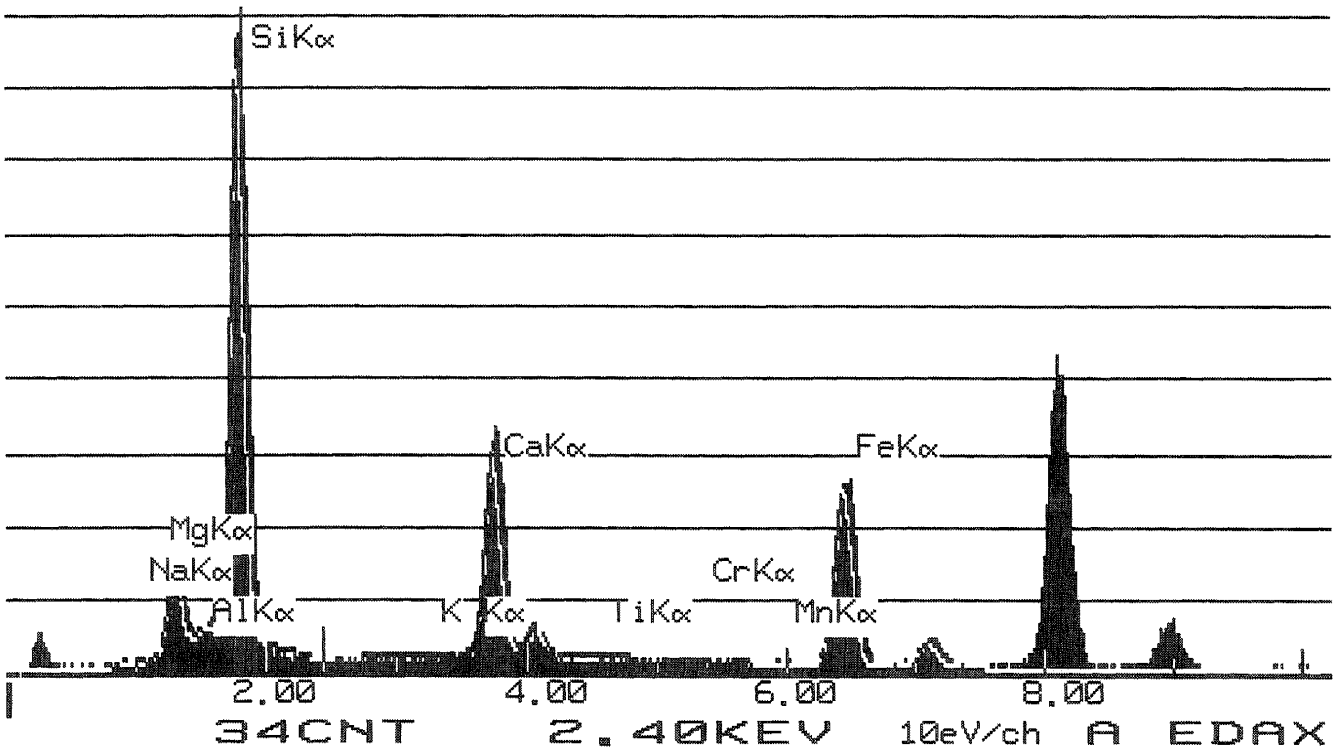


INTE-% :
LABEL = 041191-103 15400
22-NOV-72 03:47:15
20.061 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	124.022	7.675	12.725
ALK	6.779	0.252	0.476
SIK	735.960	25.614	54.797
CAK	288.671	9.579	13.402
MNK	1.745	0.084	0.108
FEK	293.407	12.933	18.491
TOTAL			100.000

USED PEIF: USER

21-NOV-04 03:47:32 SUPER QUANT
RATE= 190CPS TIME= 20LSEC
FS= 1779/ 1779 PRST= 200LSEC
A =041191-103 15400



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.797	Si+4	7.9081	7.9081							
Al2O3	0.476	Al+3	0.0810	0.0810	**0.0000**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	18.491	Fe+3	0.0201			0.0201	0.0000				
MgO	12.725	Mg+2	2.7378			2.7378	**0.0000**				
MnO	0.108	Fe+2	2.2091			2.2091	**0.0000**				
CaO	13.402	Mn+2	0.0132			0.0132	**0.0000**				
Na2O	0	Ca+2	2.0721					2.0000	0.0721		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**99.999**		**Excess**	T site	**0.0000**	C site	**0.0000**	B site	**0.0720902**	A site	**0**
			Total	**7.9891**		**4.9802**		**2.0000**		**0.0000**	**0.0000**
			%Fill	**99.864**		**99.6034**		**100**			

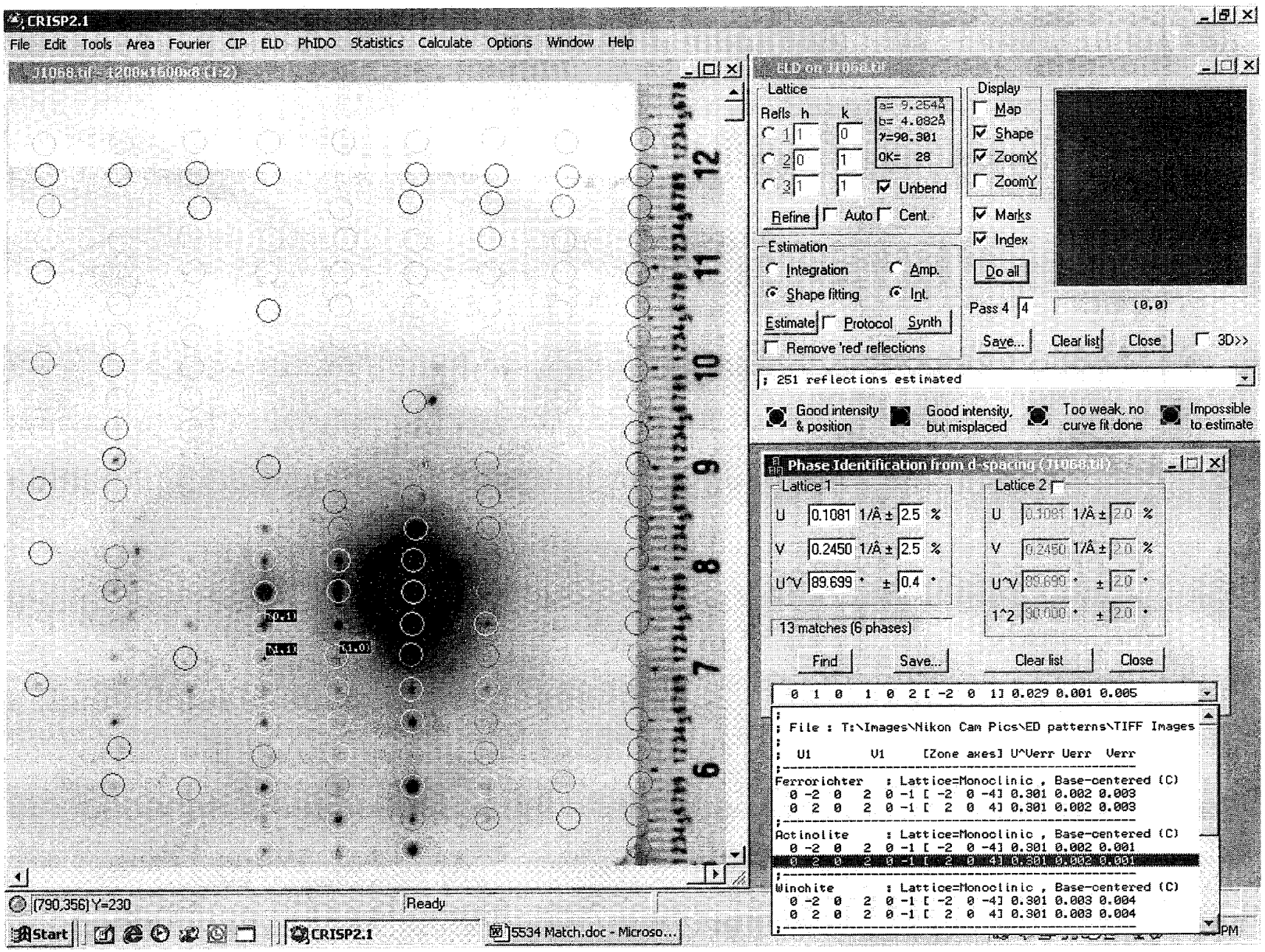
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-103-15400**

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.55	(Mg/(Mg+Fe2))< 0.9
Si	7.91	

Mineral Analysis Program (Version 5.0)

Neg # J1068, Sample #041191-105
ACTINOLITE
[1 0 2]

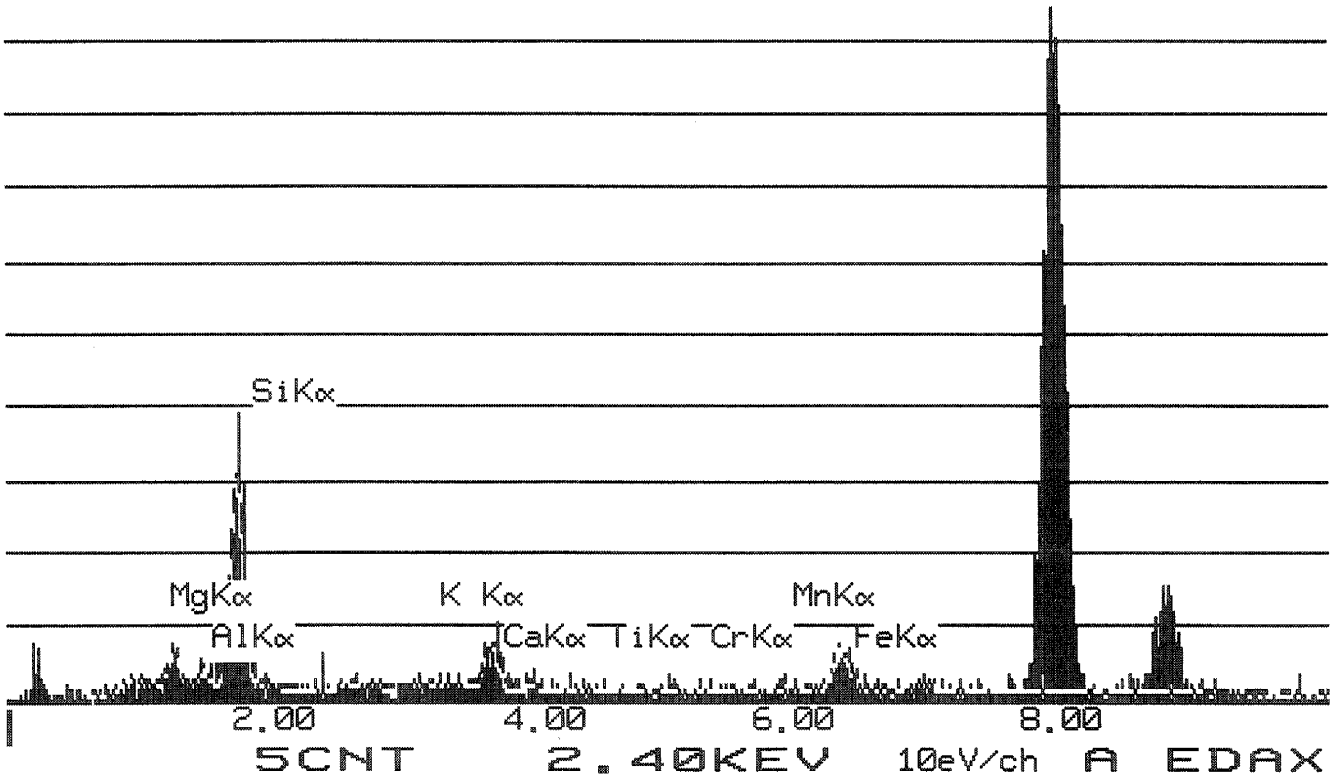


INTE-% :
LABEL = 041191-105 15408
23-NOV-72 04:15:38
62.359 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	1.523	7.092	11.759
ALK	0.818	2.287	4.321
SIK	11.081	29.013	62.068
CAK	2.534	6.325	8.850
FEK	2.742	9.093	13.001
TOTAL			100.000

USED PEIF: USER

22-NOV-04 04:17:18 SUPER QUANT
RATE= 27CPS TIME= 62LSEC
FS= 235/ 235 PRST= 200LSEC
A =041191-105 15408



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	62.068	Si+4	8.0000	8.0000							
Al2O3	4.321	Al+3	0.7388	0.0000	**0.7388**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	13.001	Fe+3	0.0443			0.0443	0.0000				
MgO	11.759	Mg+2	2.4990			2.4990	**0.0000**				
MnO	0	Fe+2	1.5277			1.5277	**0.0000**				
CaO	8.85	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.3734					1.3734	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**99.999**		**Excess**	T site	**0.7388**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.8098**		**1.3734**		**0.0000**	**0.0000**
			%Fill	**100**		**96.1968**		**68.6721**			

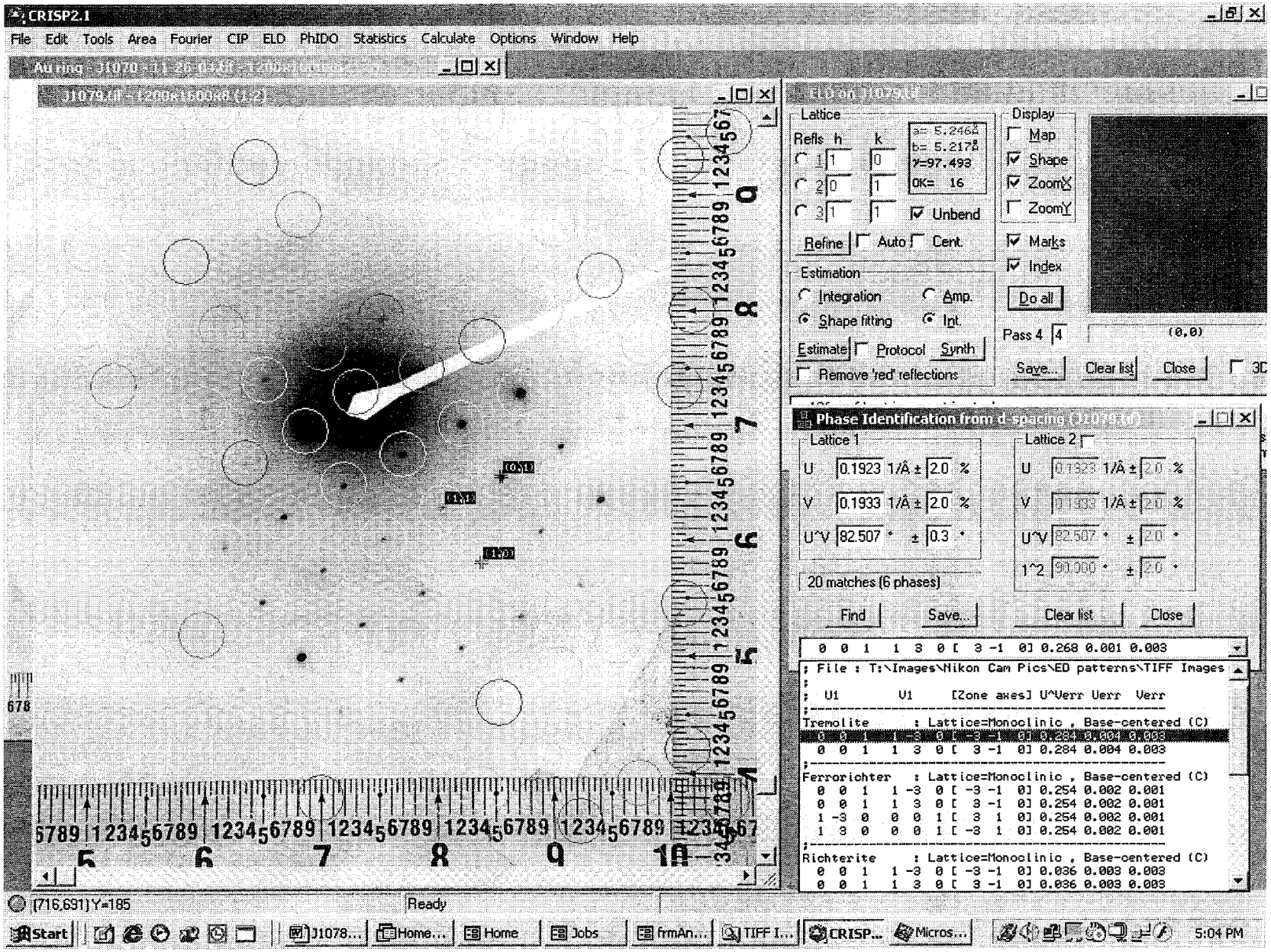
Prefix none
Name probable actinolite Ca values below optimal levels
Modifier none
Group Calcic Amphibole

Sample # **041191-105-15409**

Values		Satisfied Conditions
(Ca,Na)@B	1.37	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	1 < Ca@B < 1.5 and (Na,K)@A < 0.5
Ca@B	1.37	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.62	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

Neg # J1079, Sample #041191-104
TREMOLITE
[3 1 0]



NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O
SUMMA-QUANTIFY	0	1.059	0.000	0.00	0.00	0.00	K2O
O			1.598	61.29	46.57		

Standardless Analysis

Refit _ALK' _ALK" _NAK' _NAK" _K K' _K K"
Refit _ALK _NAK _K K
Chi-sqd = 9.59

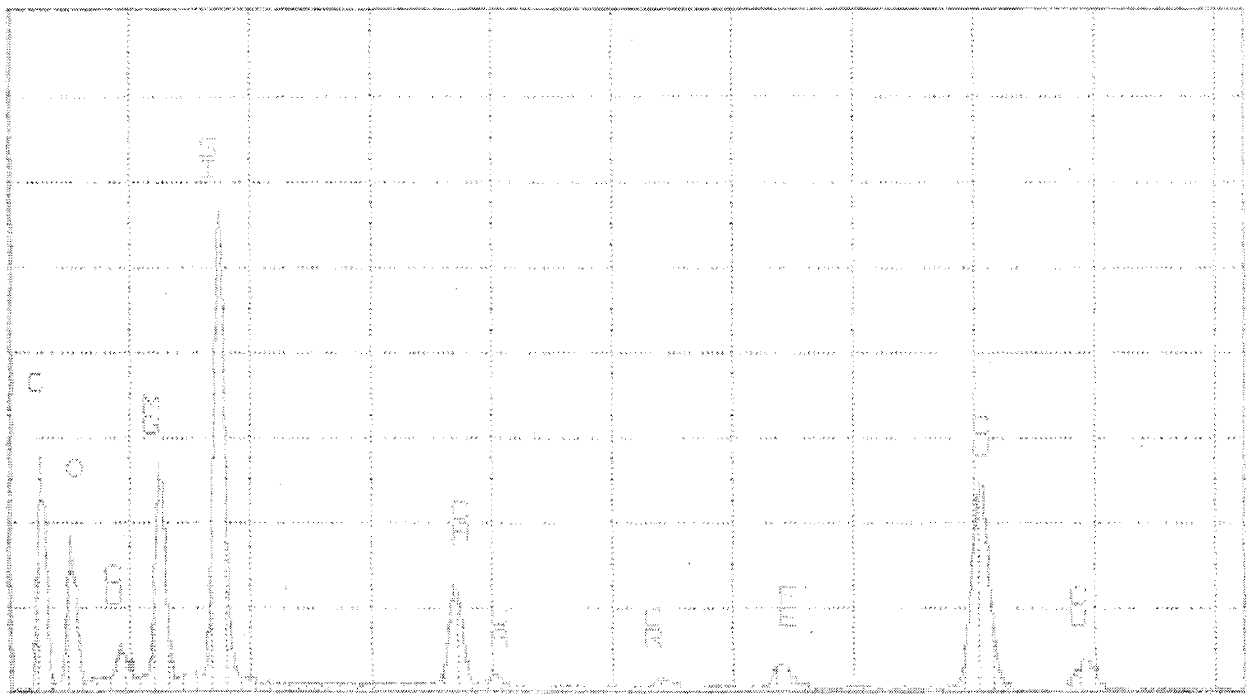
Element	Net Counts	
Si-K	15003 +/-	172
Mg-K	7001 +/-	129
Al-K	0 +/-	0
Ca-K	0512 +/-	134
Fe-K	1338 +/-	97
Na-K	0 +/-	0
K -K	0 +/	0

REF.S EL/A:ALK E004:NAK E006:ALK L006:CAK E008:K-K E003:NAK E003:

041191-104 SP794

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOMY	EL WT%	WT%	FORMULA
SI-K	15003	1.000	1.000	21.90	24.15	62.47	SIO2
MG-K	7001	1.000	0.443	11.31	12.91	21.52	MGO
AL-K	0	0.700	0.000	0.00	0.00	0.00	AL2O3
CA-K	0512	0.947	0.271	4.16	7.91	11.07	CAO
FE-K	1338	1.099	0.119	1.00	3.46	4.44	FEO
NA-K	0	0.549	0.000	0.00	0.00	0.00	NA2O
K-K	0	1.059	0.000	0.00	0.00	0.00	K2O
O			1.598	61.29	46.57		

TN-5500 University of Washington / JEOL FRI 28-NOV-94 12:44
Cursor: 0.000keV = 0



0.000 VFS = 2048 10.240

0 041191-104 SP794

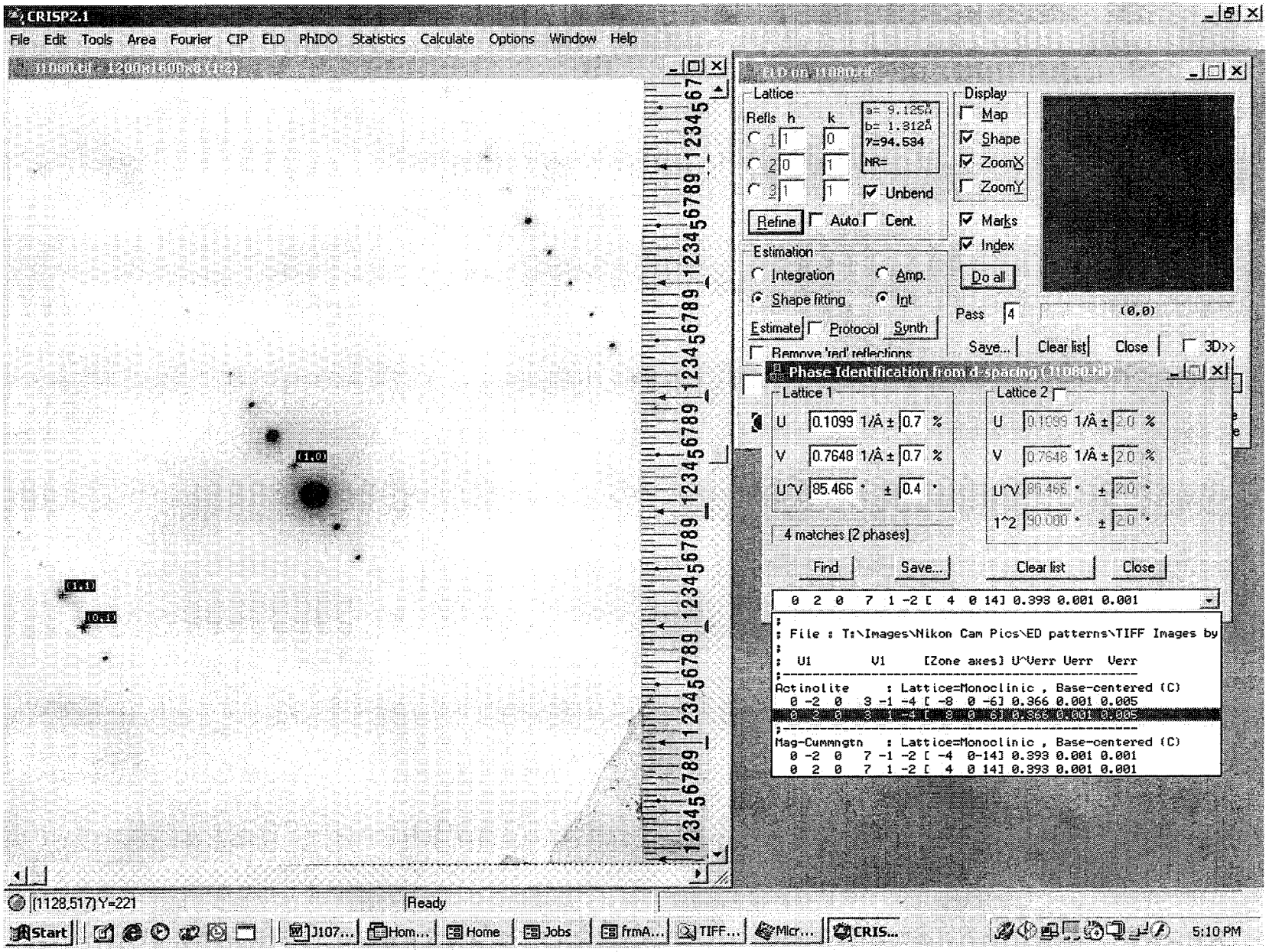
	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	62.47	Si+4	8.0000	8.0000							
Al2O3	0	Al+3	0.0000	0.0000	**0.0000**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	4.94	Fe+3	0.2666			0.2666	0.0000				
MgO	21.52	Mg+2	4.3485			4.3485	**0.0000**				
MnO	0	Fe+2	0.3355			0.3355	**0.0000**				
CaO	11.07	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.6427					1.6427	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**100**		**Excess**	T site	**0.0000**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.9507**		**1.6427**		**0.0000**	**0.0000**
			%Fill	**100**		**99.0134**		**82.1347**			

Prefix none
Name tremolite
Modifier none
Group Calcic Amphibole

Sample # **041191-104-794**

Values		Satisfied Conditions
(Ca,Na)@B	1.64	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.64	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.93	(Mg/(Mg+Fe2))>= 0.9
Si	8.00	

Neg # J1080, Sample #041191-106
ACTINOLITE
[4 0 3]

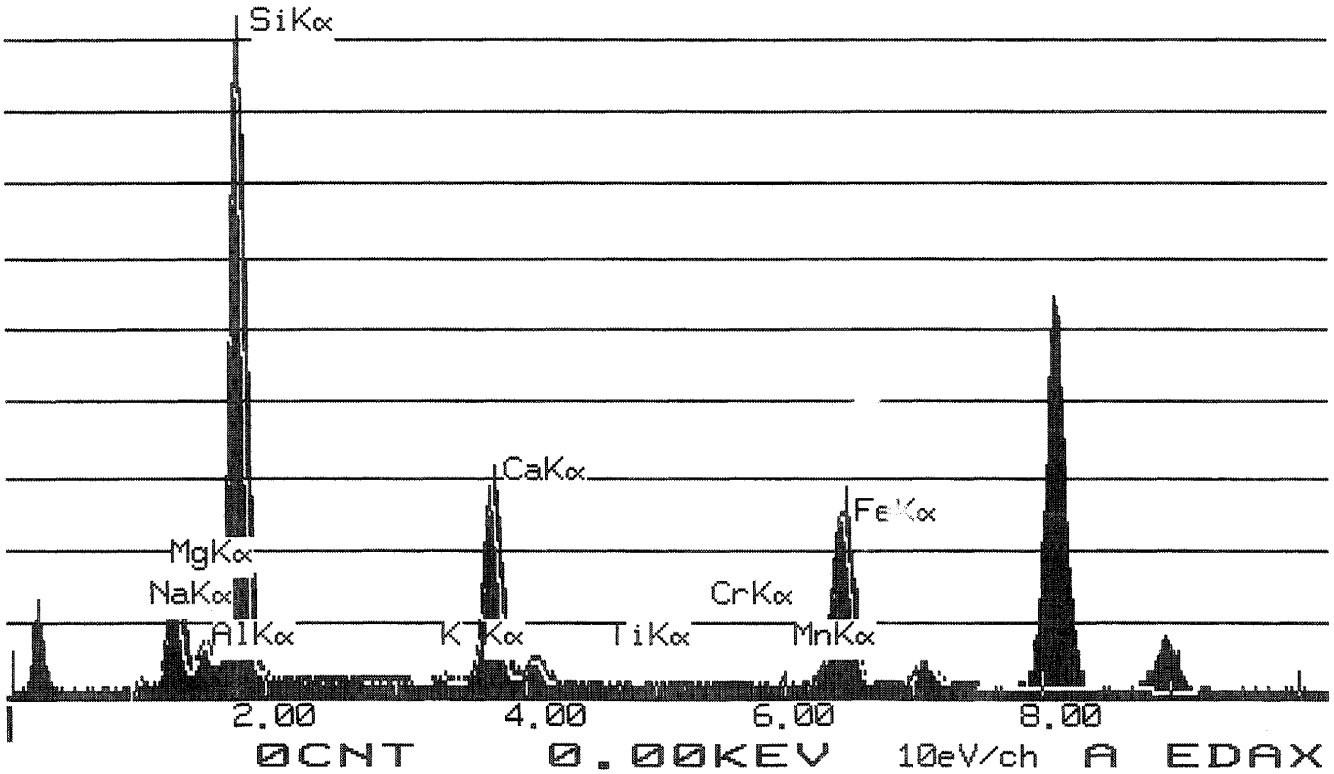


INTE-% :
LABEL = 041191-106 15415
24-NOV-72 02:43:00
77.635 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	27.913	7.996	13.258
ALK	8.540	1.470	2.777
SIK	159.566	25.708	54.999
K K	0.721	0.193	0.233
CAK	57.074	8.767	12.267
FEK	56.443	11.518	16.467
TOTAL			100.000

USED PEIF: USER

23-NOV-04 02:43:24 SUPER QUANT
RATE= 1074CPS TIME= 78LSEC
FS= 1393/ 1393 PRST= 200LSEC
A =041191-106 15415



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.999	Si+4	7.8051	7.8051							
Al2O3	2.777	Al+3	0.4644	0.1949	**0.2696**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	16.467	Fe+3	0.1231			0.1231	0.0000				
MgO	13.258	Mg+2	2.8050			2.8050	**0.0000**				
MnO	0	Fe+2	1.8173			1.8023	**0.0150**				
CaO	12.267	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.8650					1.8650	0.0000		
K2O	0.233	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0422							0.0422	0.0000
Total	**100.001**		**Excess**	T site	**0.2696**	C site	**0.0150**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.8650**		**0.0422**	**0.0000**
			%Fill	**100**		**100**		**93.2517**			

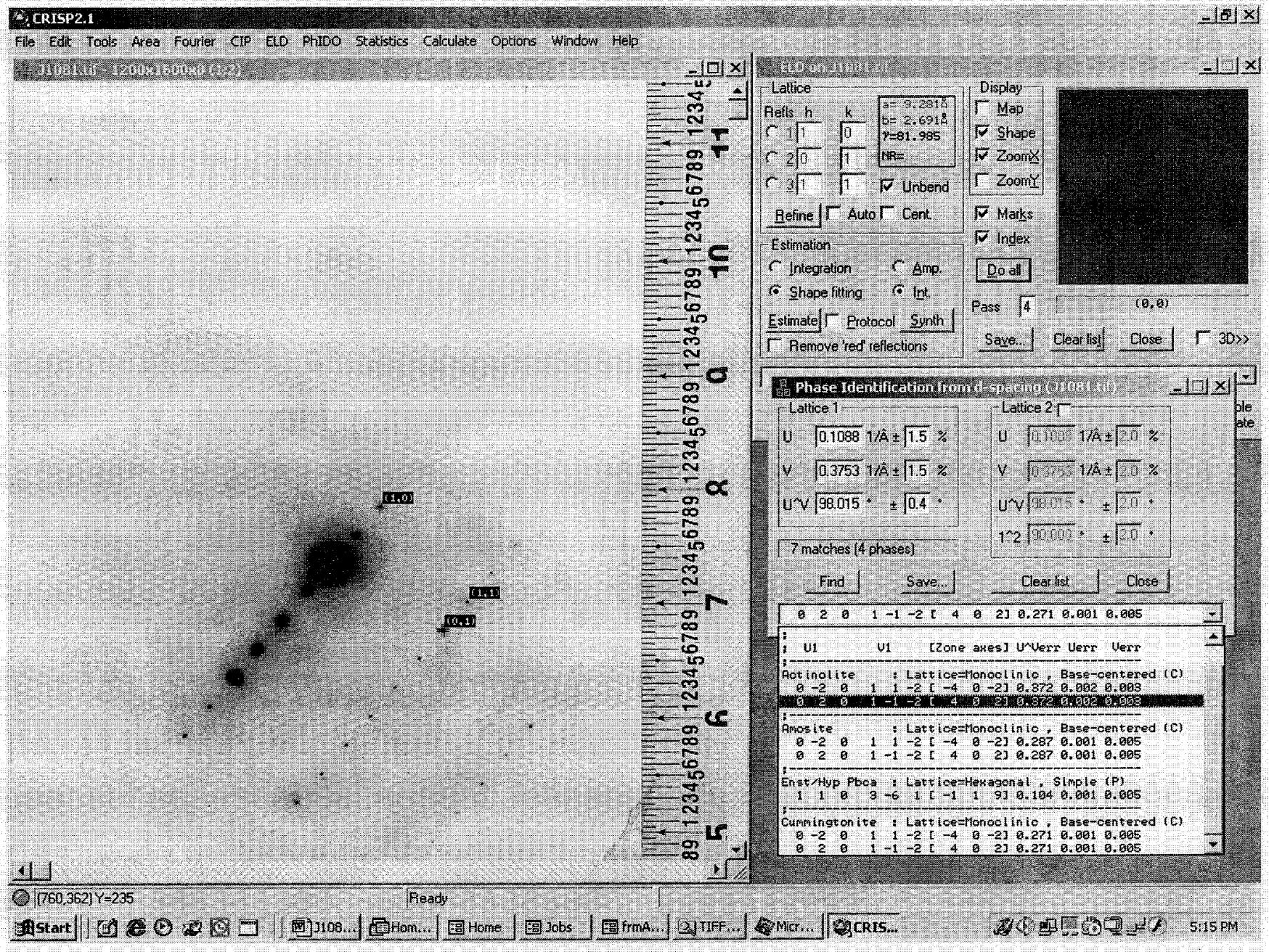
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-106-15415**

Values		Satisfied Conditions
(Ca,Na)@B	1.87	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.87	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.04	Si > 7.5
Mg/(Mg+Fe2)	0.61	(Mg/(Mg+Fe2))< 0.9
Si	7.81	

Mineral Analysis Program (Version 5.0)

Neg # J1081, Sample #041191-107
ACTINOLITE
[2 0 1]



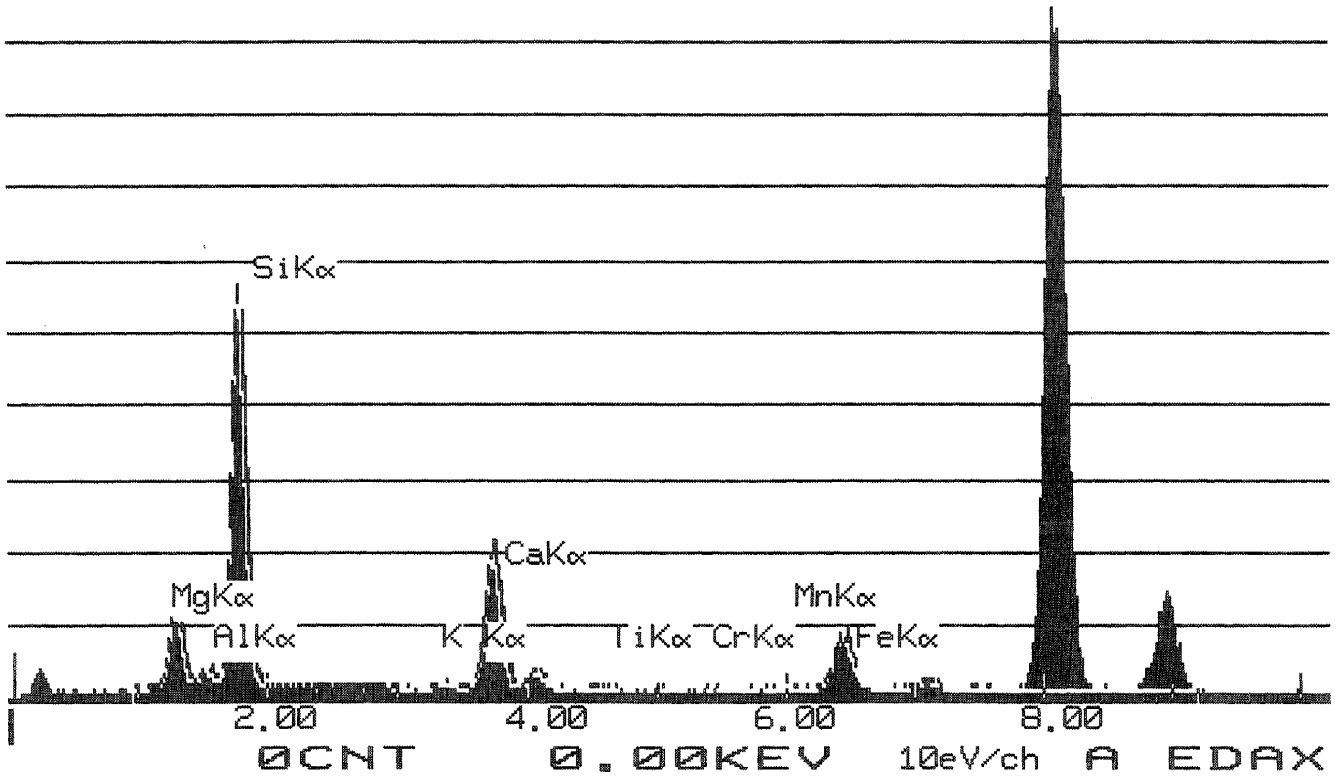
INTE-% :
LABEL = 041191-107 15417
24-NOV-72 02:56:00
49.480 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	35.469	9.718	16.114
ALK	6.629	1.091	2.061
SIK	176.920	27.264	58.326
K K	1.415	0.362	0.436
CAK	69.139	10.158	14.213
FEK	31.710	6.189	8.849
TOTAL			100.000

BG standard
Actinolite

USED PEIF: USER

23-NOV-04 02:56:21 SUPER QUANT
RATE= 1763CPS TIME= 49LSEC
FS= 1561/ 1561 PRST= 200LSEC
A =041191-107 15417



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	58.326	Si+4	8.0000	8.0000							
Al2O3	2.061	Al+3	0.3361	0.0000	**0.3361**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	8.849	Fe+3	0.0105			0.0105	0.0000				
MgO	16.114	Mg+2	3.3089			3.3089	**0.0000**				
MnO	0	Fe+2	1.0103			1.0103	**0.0000**				
CaO	14.213	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	2.0977					2.0000	0.0977		
K2O	0.436	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0787							0.0787	0.0000
Total	**99.999**		**Excess**	T site	**0.3361**	C site	**0.0000**	B site	**0.0977302**	A site	**0**
			Total	**8**		**4.6657**		**2.0000**		**0.0787**	**0.0000**
			%Fill	**100**		**93.3146**		**100**			

Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-107-15417**

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.08	Si > 7.5
Mg/(Mg+Fe2)	0.77	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

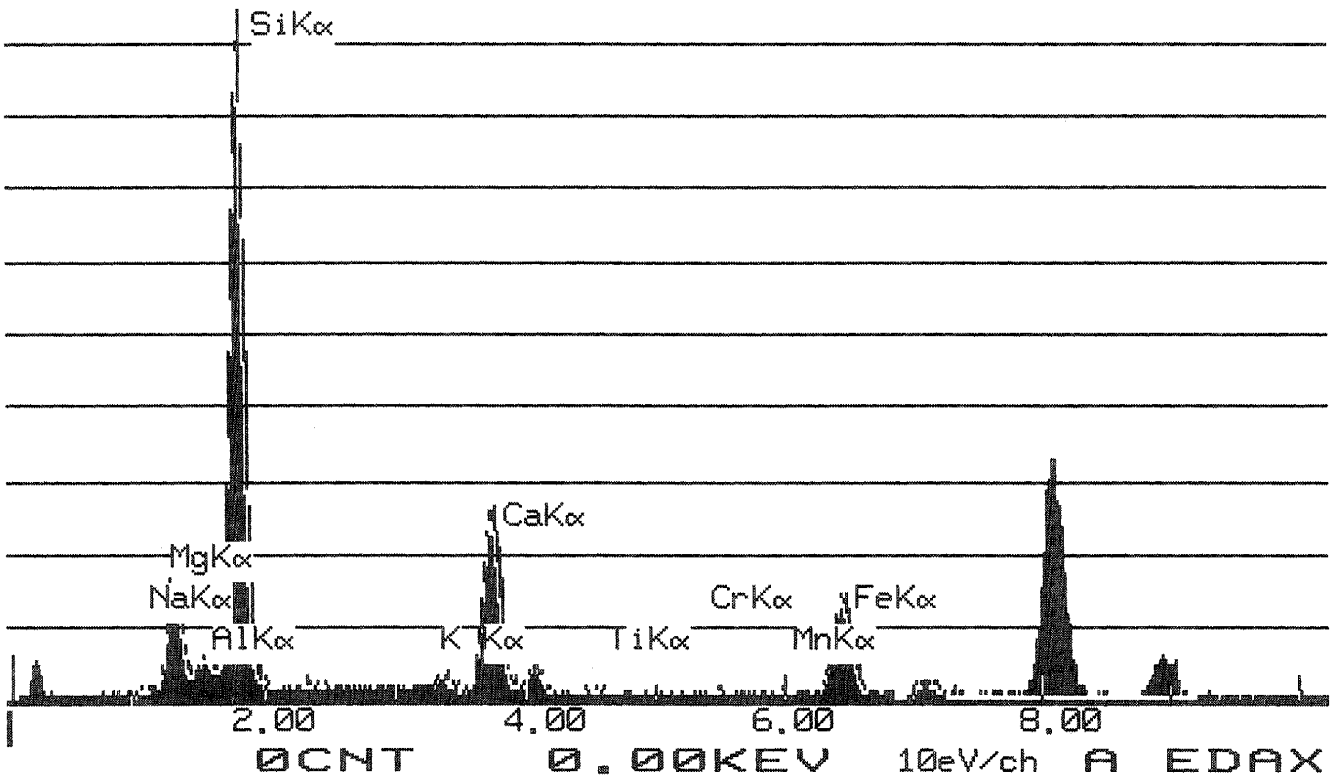
INTE-% :
LABEL = 041191-107 15418
24-NOV-72 03:06:52
75.369 LIVE SECONDS

BG · Normal
Actinolite

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	21.003	9.958	16.511
ALK	4.219	1.202	2.270
SIK	102.403	27.306	58.417
K K	1.526	0.676	0.814
CAK	33.595	8.541	11.950
CRK	0.239	0.084	0.123
MNK	0.398	0.146	0.189
FEK	20.141	6.802	9.725
TOTAL			100.000

USED PEIF: USER

23-NOV-04 03:07:11 SUPER QUANT
RATE=14448CPS TIME= 75LSEC
FS= 871/ 871 PRST= 200LSEC
A =041191-107 15418



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	58.417	Si+4	8.0000	8.0000							
Al2O3	2.27	Al+3	0.3704	0.0000	**0.3704**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0.123	Cr+3	0.0150			0.0150	0.0000				
Fe(total)O	9.725	Fe+3	0.0116			0.0116	0.0000				
MgO	16.511	Mg+2	3.3913			3.3913	**0.0000**				
MnO	0.189	Fe+2	1.1106			1.1106	**0.0000**				
CaO	11.95	Mn+2	0.0256			0.0256	**0.0000**				
Na2O	0	Ca+2	1.7650					1.7650	0.0000		
K2O	0.814	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.1455							0.1455	0.0000
Total	**99.999**		**Excess**	T site	**0.3704**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.9244**		**1.7650**		**0.1455**	**0.0000**
			%Fill	**100**		**98.4886**		**88.2524**			

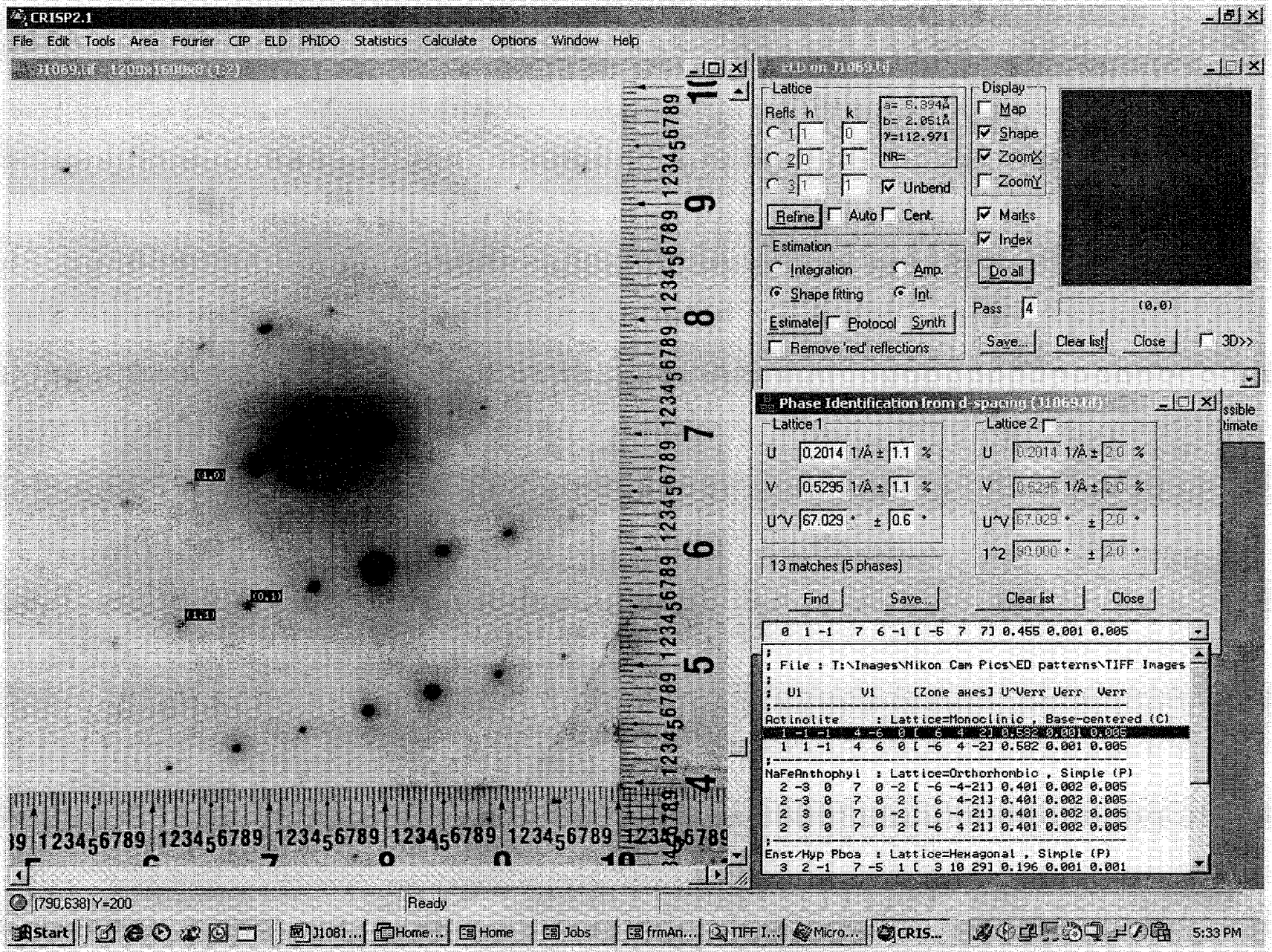
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-107-15418**

Values		Satisfied Conditions
(Ca,Na)@B	1.77	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.77	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.15	Si > 7.5
Mg/(Mg+Fe2)	0.75	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

Neg # J1069, Sample #041191-110
ACTINOLITE
[3 2 1]



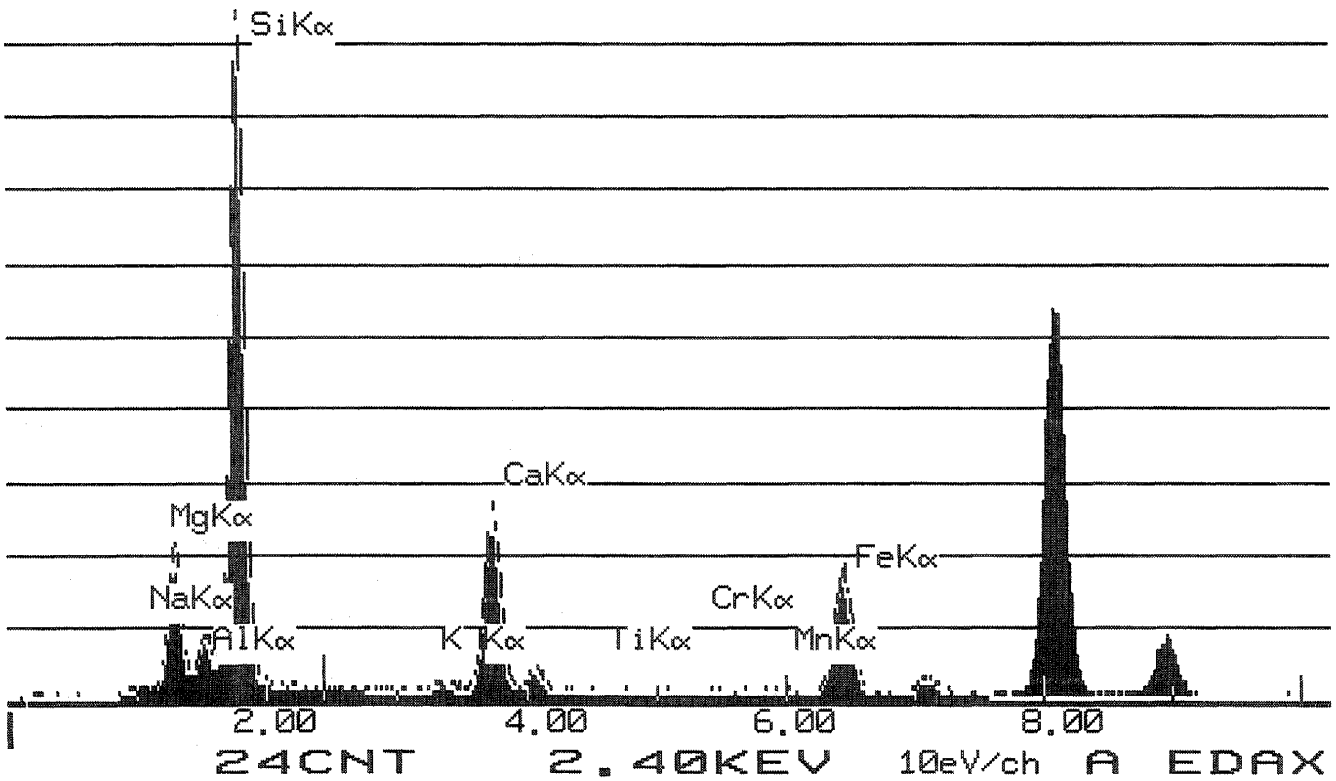
INTE-% :
LABEL = 041191-110 15410
23-NOV-72 05:21:42
147.664 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	23.791	9.586	15.894
ALK	7.646	1.850	3.496
SIK	117.057	26.526	56.749
K K	1.903	0.717	0.863
CAK	37.071	8.009	11.207
TIK	0.420	0.128	0.213
CRK	0.291	0.088	0.128
MNK	0.684	0.213	0.275
FEK	27.231	7.816	11.174
TOTAL			100.000

USED PEIF: USER

Bb-Cut
Actinolite

22-NOV-04 05:23:26 SUPER QUANT
RATE=25841CPS TIME= 148LSEC
FS= 1863/ 1863 PRST= 200LSEC
A =041191-110 15410



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	56.749	Si+4	7.8391	7.8391							
Al2O3	3.496	Al+3	0.5691	0.1609	**0.4083**						
TiO2	0.213	Ti+4	0.0221	0.0000	**0.0221**						
Cr2O3	0.128	Cr+3	0.0140			0.0140	0.0000				
Fe(total)O	11.174	Fe+3	0.1858			0.1858	0.0000				
MgO	15.894	Mg+2	3.2732			3.2732	**0.0000**				
MnO	0.275	Fe+2	1.0842			1.0842	**0.0000**				
CaO	11.207	Mn+2	0.0322			0.0125	**0.0197**				
Na2O	0	Ca+2	1.6585					1.6585	0.0000		
K2O	0.863	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.1521							0.1521	0.0000
Total	**99.999**		**Excess**	T site	**0.4304**	C site	**0.0197**	B site	**0**	A site	**0**
			Total	**8**		**5.0000**		**1.6585**		**0.1521**	**0.0000**
			%Fill	**100**		**100**		**82.9261**			

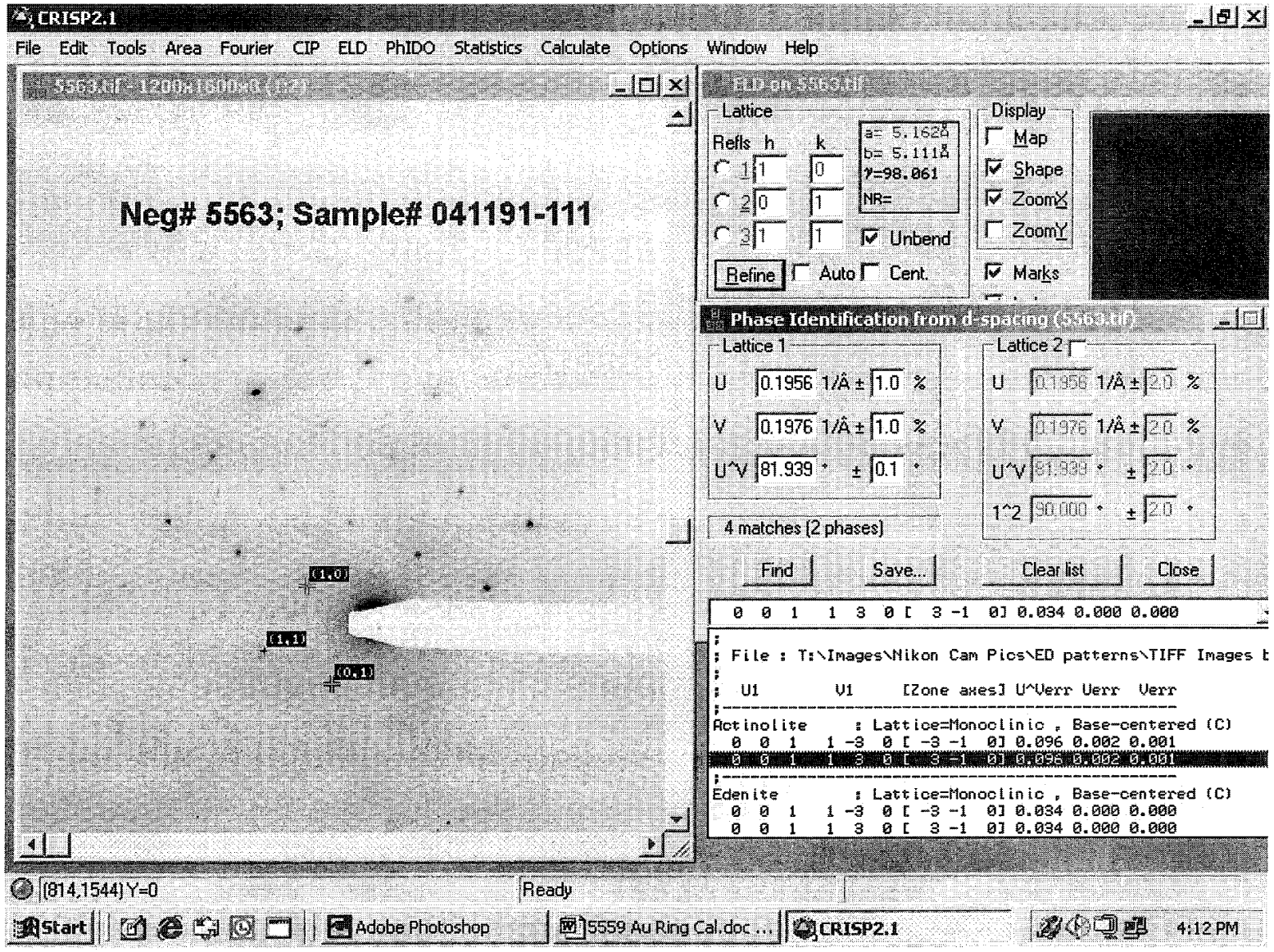
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-110-15410**

Values		Satisfied Conditions
(Ca,Na)@B	1.66	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.66	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.15	Si > 7.5
Mg/(Mg+Fe2)	0.75	(Mg/(Mg+Fe2))< 0.9
Si	7.84	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 -1 0]



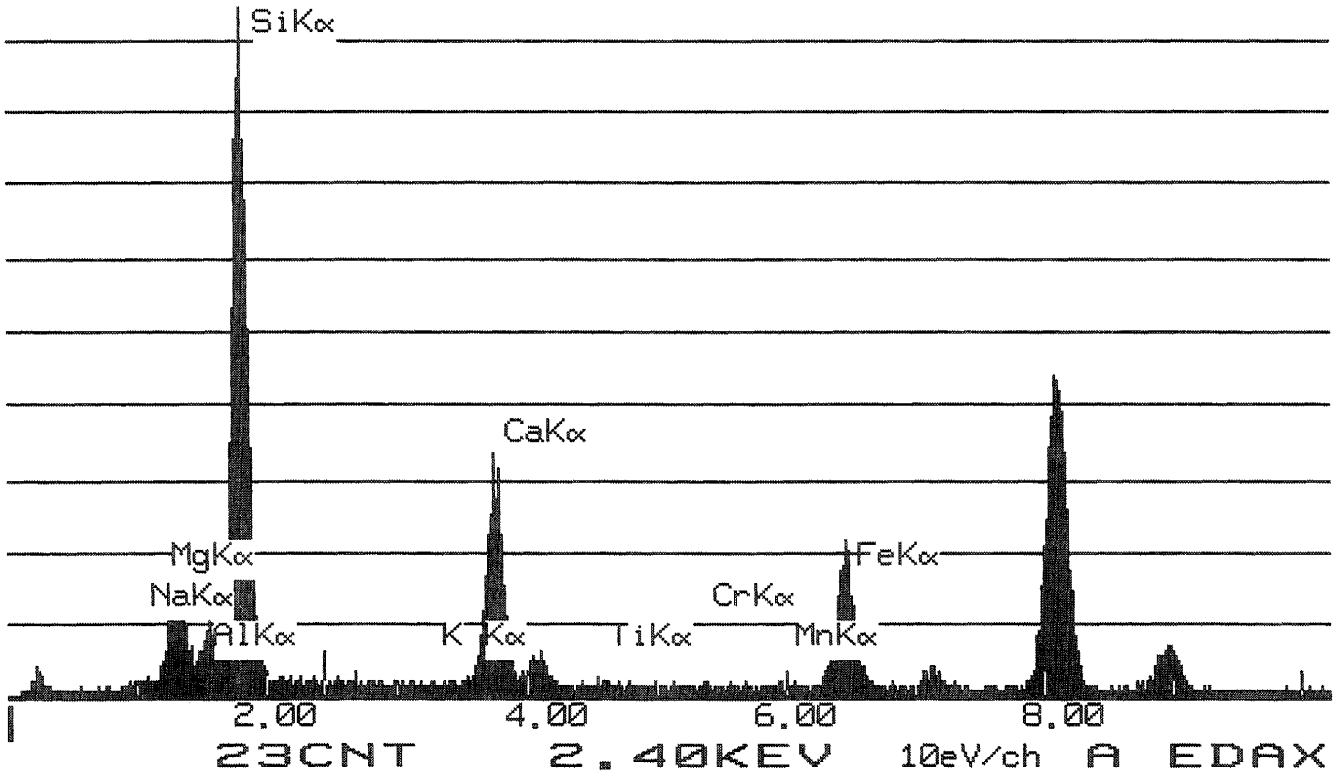
INTE-% :
LABEL = 041191-111 15412
23-NOV-72 06:23:06
51.185 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
NAK	0.430	0.228	0.308
MGK	38.683	9.708	16.096
ALK	13.500	2.035	3.845
SIK	179.898	25.391	54.320
CAK	68.653	9.238	12.926
TIK	0.488	0.093	0.155
MNK	0.879	0.171	0.220
FEK	47.456	8.483	12.129

TOTAL			100.000

USED PEIF: USER

22-NOV-04 06:23:42 EDAX READY
RATE= 0CPS TIME= 51LSEC
FS= 1029CNT PRST= 200LSEC
A =041191-111 15412



23CNT 2.40KEV 10eV/ch A EDAX

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	54.32	Si+4	7.5902	7.5902							
Al2O3	3.845	Al+3	0.6332	0.4098	**0.2233**						
TiO2	0.155	Ti+4	0.0163	0.0000	**0.0163**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	12.129	Fe+3	0.1658			0.1658	0.0000				
MgO	16.096	Mg+2	3.3530			3.3530	**0.0000**				
MnO	0.22	Fe+2	1.2329			1.2329	**0.0000**				
CaO	12.926	Mn+2	0.0260			0.0087	**0.0174**				
Na2O	0.308	Ca+2	1.9350					1.9350	0.0000		
K2O	0	Na+	0.0834					0.0476	**0.0358**	0.0358	0.0000
		K+	0.0000							0.0000	0.0000
Total	**99.999**		**Excess**	T site	**0.2396**	C site	**0.0174**	B site	**0.0357909**	A site	**0**
			Total	**8**		**5.0000**		**1.9826**		**0.0358**	**0.0000**
			%Fill	**100**		**100**		**99.1314**			

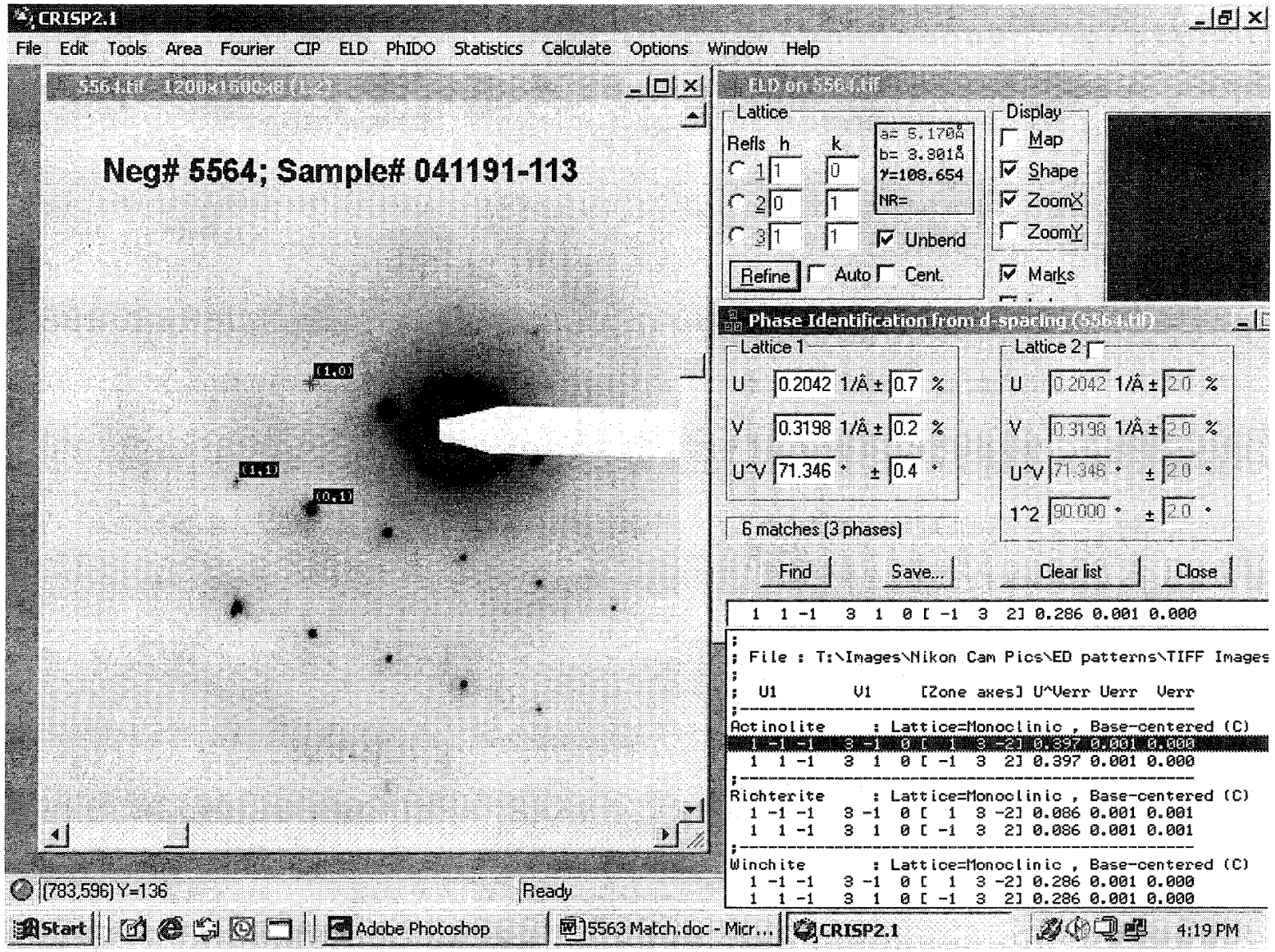
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-111-15412**

Values		Satisfied Conditions
(Ca,Na)@B	1.98	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.05	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.93	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.04	Si > 7.5
Mg/(Mg+Fe2)	0.73	(Mg/(Mg+Fe2))< 0.9
Si	7.59	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[1 3 -2]

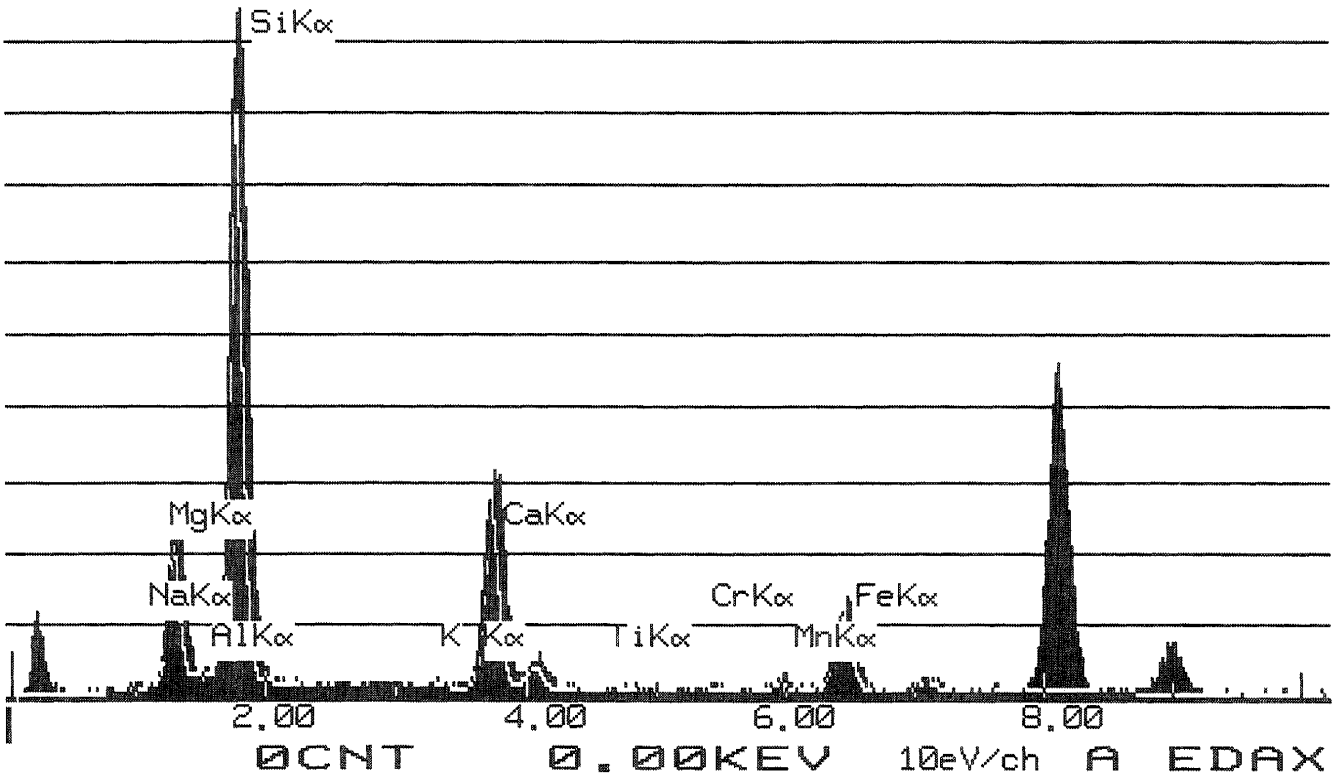


INTE-% :
LABEL = 041191-113 15413
23-NOV-72 10:15:46
21.114 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
NAK	0.947	0.246	0.331
MGK	91.173	11.175	18.529
SIK	400.640	27.618	59.084
K K	1.137	0.130	0.157
CAK	142.893	9.391	13.140
CRK	1.089	0.100	0.146
MNK	5.731	0.543	0.702
FEK	63.371	5.533	7.911
TOTAL			100.000

USED PEIF: USER

22-NOV-04 10:16:07 SUPER QUANT
RATE= 0CPS TIME= 21LSEC
FS= 981/ 981 PRST= 200LSEC
A =041191-113 15413



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	59.084	Si+4	8.0000	8.0000							
Al2O3	0	Al+3	0.0000	0.0000	**0.0000**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0.146	Cr+3	0.0209			0.0209	0.0000				
Fe(total)O	7.911	Fe+3	0.0130			0.0130	0.0000				
MgO	18.529	Mg+2	3.8079			3.8079	**0.0000**				
MnO	0.702	Fe+2	0.9090			0.9090	**0.0000**				
CaO	13.14	Mn+2	0.0925			0.0925	**0.0000**				
Na2O	0.331	Ca+2	1.9446					1.9446	0.0000		
K2O	0.157	Na+	0.1068					0.0554	**0.0514**	0.0514	0.0000
		K+	0.0357							0.0357	0.0000
Total	100		Excess	T site	**0.0000**	C site	**0.0000**	B site	**0.0514456**	A site	**0**
			Total	8		4.8435		2.0000		0.0872	0.0000
			%Fill	100		96.8692		100			

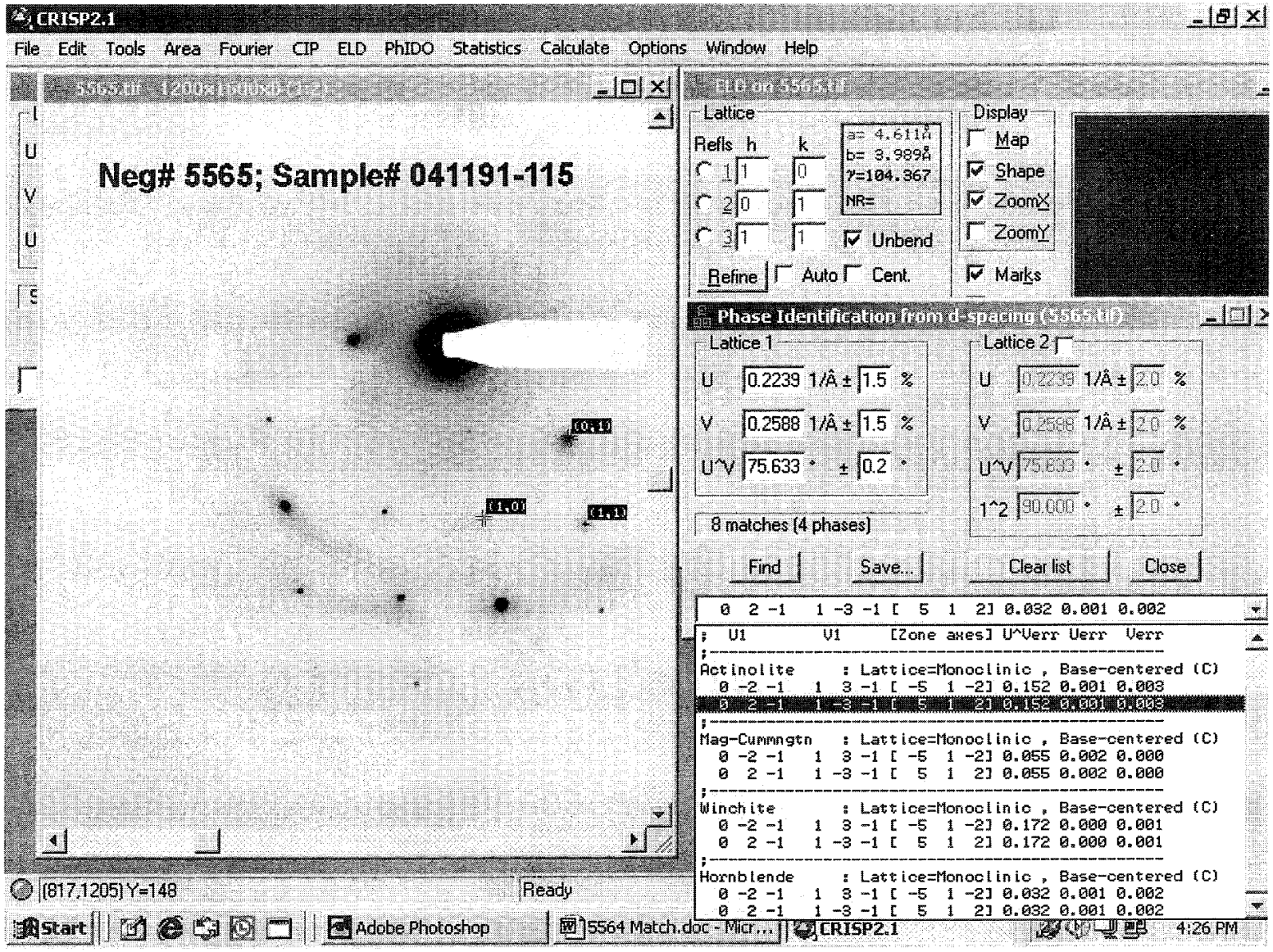
Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # 041191-113-15413

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.06	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.94	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.09	Si > 7.5
Mg/(Mg+Fe2)	0.81	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[5 1 2]



INTE-% :
LABEL = 041191-115 15420
24-NOV-72 03:22:17
101.079 LIVE SECONDS

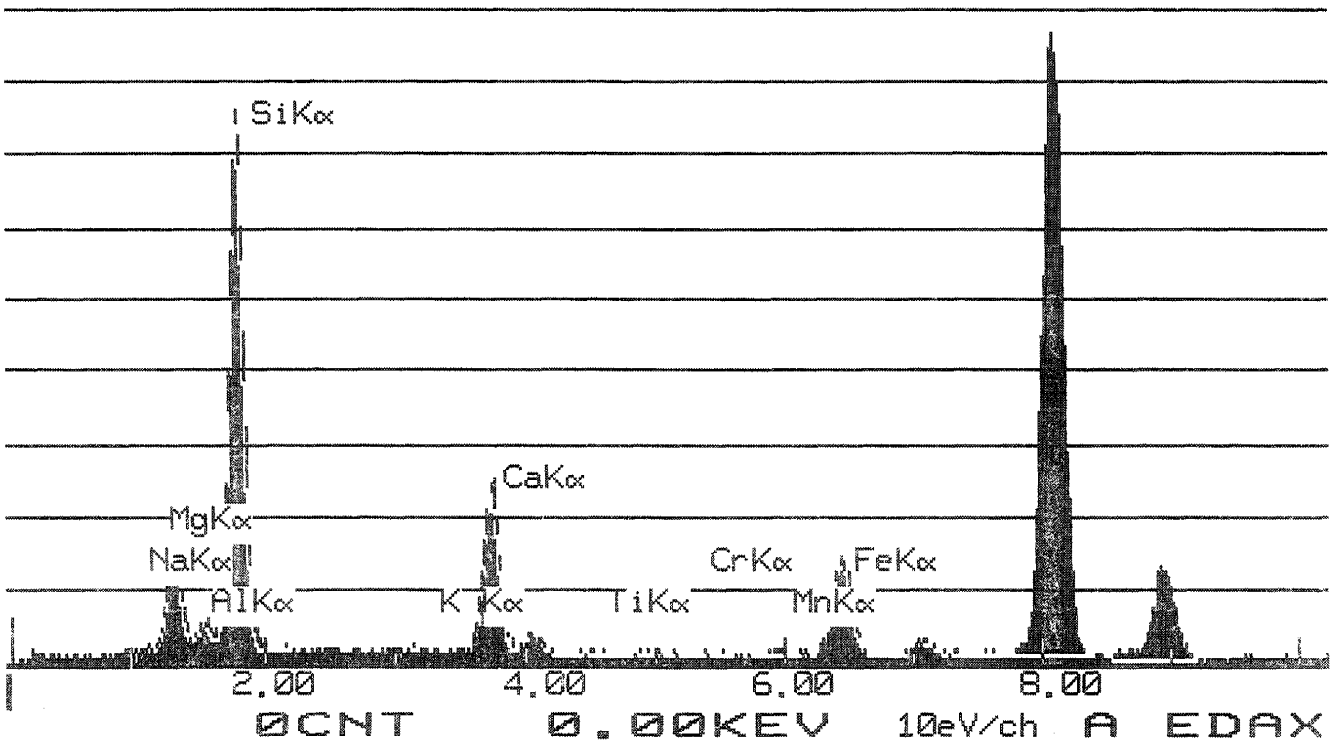
36 - Manual

Actinolite

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	16.423	9.667	16.029
ALK	3.393	1.200	2.267
SIK	81.511	26.984	57.729
CAK	28.315	8.937	12.505
FEK	19.134	8.023	11.470
TOTAL			100.000

USED PEIF: USER

23-NOV-04 03:22:41 SUPER QUANT
RATE= 572CPS TIME= 101LSEC
FS= 1114/ 1114 PRST= 200LSEC
A =041191-115 15420



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.729	Si+4	7.9802	7.9802							
Al2O3	2.267	Al+3	0.3693	0.0198	**0.3495**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	11.47	Fe+3	0.0119			0.0119	0.0000				
MgO	16.029	Mg+2	3.3033			3.3033	**0.0000**				
MnO	0	Fe+2	1.3126			1.3126	**0.0000**				
CaO	12.505	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	1.8519					1.8519	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**100**		**Excess**	T site	**0.3495**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.9773**		**1.8519**		**0.0000**	**0.0000**
			%Fill	**100**		**99.5457**		**92.5963**			

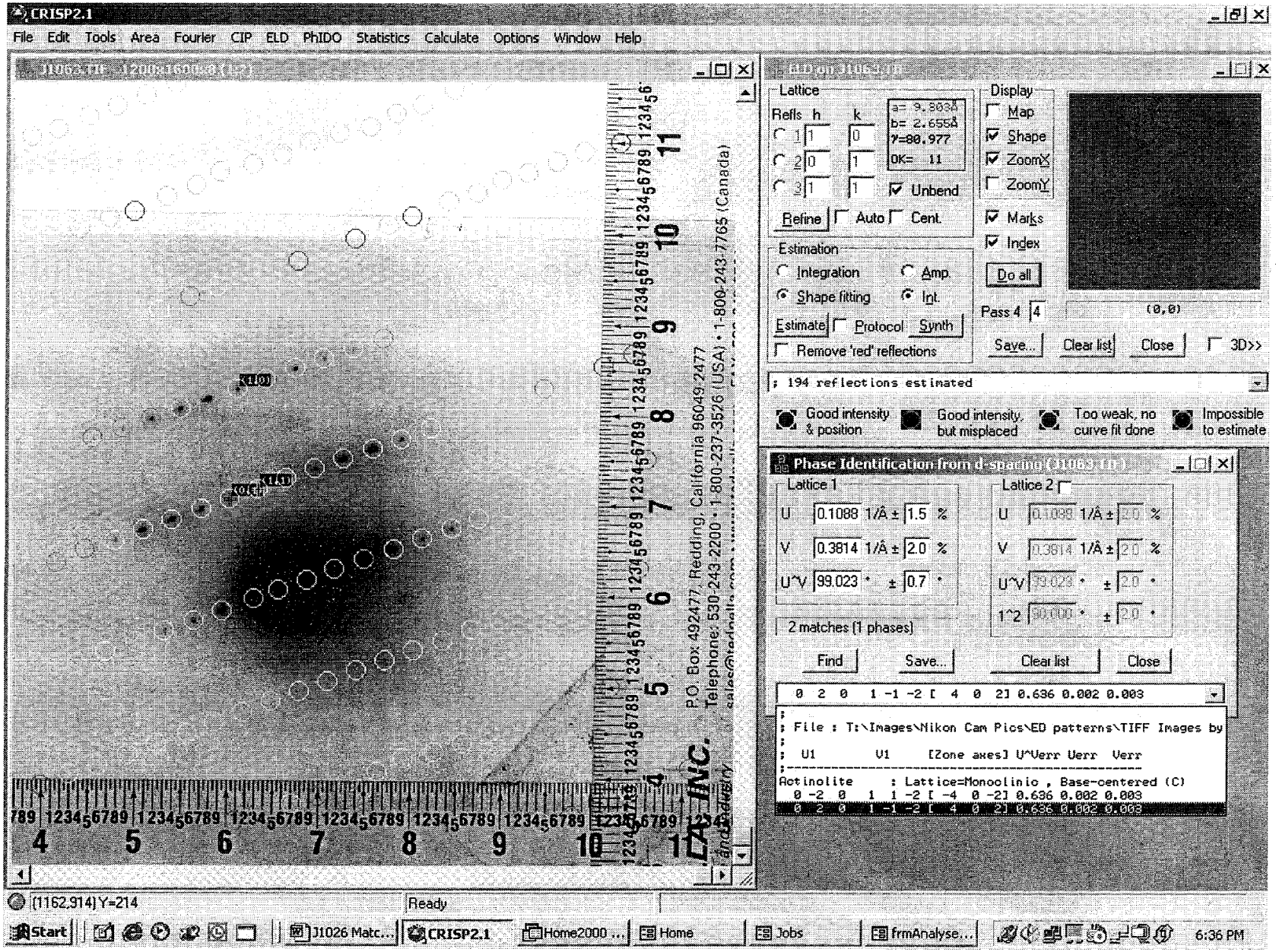
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-115-15420**

Values		Satisfied Conditions
(Ca,Na)@B	1.85	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.85	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.72	(Mg/(Mg+Fe2))< 0.9
Si	7.98	

Mineral Analysis Program (Version 5.0)

Neg # J1063, Sample #041191-116
ACTINOLITE
[2 0 1]



SQMTF: QUANTIFY
Standardless Analysis

Chi-sqd = 4.56

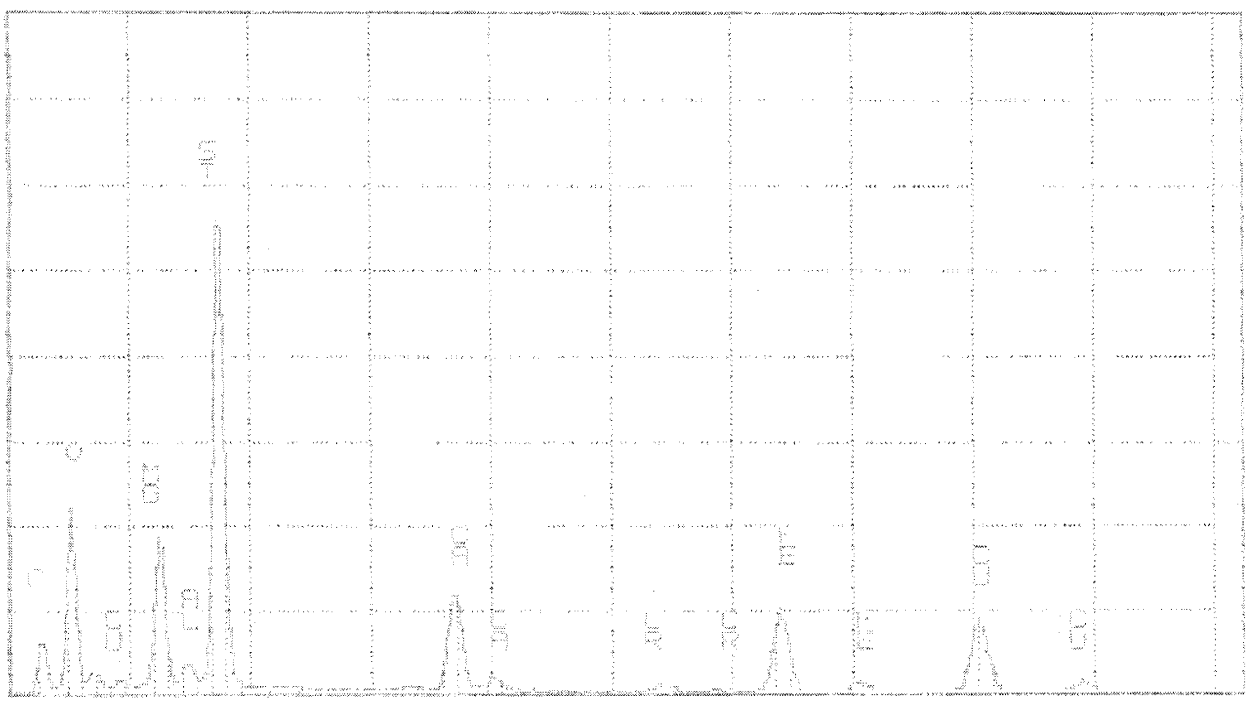
Element	Net Counts		
Si-K	15617	+/-	231
Mg-K	4460	+/-	220
Al-K	612	+/-	266
Ca-K	4732	+/-	135
Fe-K	4353	+/-	124
Na-K	146	+/-	113
K-K	158	+/-	74

REF.S EDS:SIK EDS:MGK EDS:ALK EDS:CAK EDS:FEK EDS:NAK EDS:

041191-116 SP/91

EL-LINE	PEAK	K-FACTOR	CEL/CREF	ATOM%	FL WT%	WT%	FORMULA
SI-K	15617	1.000	1.000	21.46	27.34	58.58	SIO2
MG-K	4460	1.000	0.286	7.15	7.81	13.01	MGO
AL-K	612	0.750	0.029	0.65	0.80	1.52	AL2O3
CA-K	4732	0.949	0.288	4.32	7.87	11.02	CAO
FE-K	4353	1.399	0.390	4.19	10.67	15.24	FE2O3
NA-K	146	0.549	0.005	0.13	0.14	0.29	NA2O3
K-K	158	1.059	0.011	0.17	0.29	0.35	K2O
O			1.649	61.93	45.08		

TN-5500 University of Washington / JEOL TUE 23-NOV-04 15:22
Cursor: 0.000keV = 0



0.000 VFS = 2048 10 240

57 041191-116 SP/91

1,30
*
0,0
*
0,0

	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	58.58	Si+4	8.0000	8.0000							
Al2O3	1.52	Al+3	0.2674	0.0000	**0.2674**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	15.24	Fe+3	0.0267			0.0267	0.0000				
MgO	13.01	Mg+2	2.7567			2.7567	**0.0000**				
MnO	0	Fe+2	1.7894			1.7894	**0.0000**				
CaO	11.02	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0.29	Ca+2	1.6827					1.6827	0.0000		
K2O	0.35	Na+	0.1199					0.1199	**0.0000**	0.0000	0.0000
		K+	0.0806							0.0806	0.0000
Total	**100.01**		**Excess**	T site	**0.2674**	C site	**0.0000**	B site	**0**	A site	**0**
			Total	**8**		**4.8402**		**1.8026**		**0.0806**	**0.0000**
			%Fill	**100**		**96.8041**		**90.1281**			

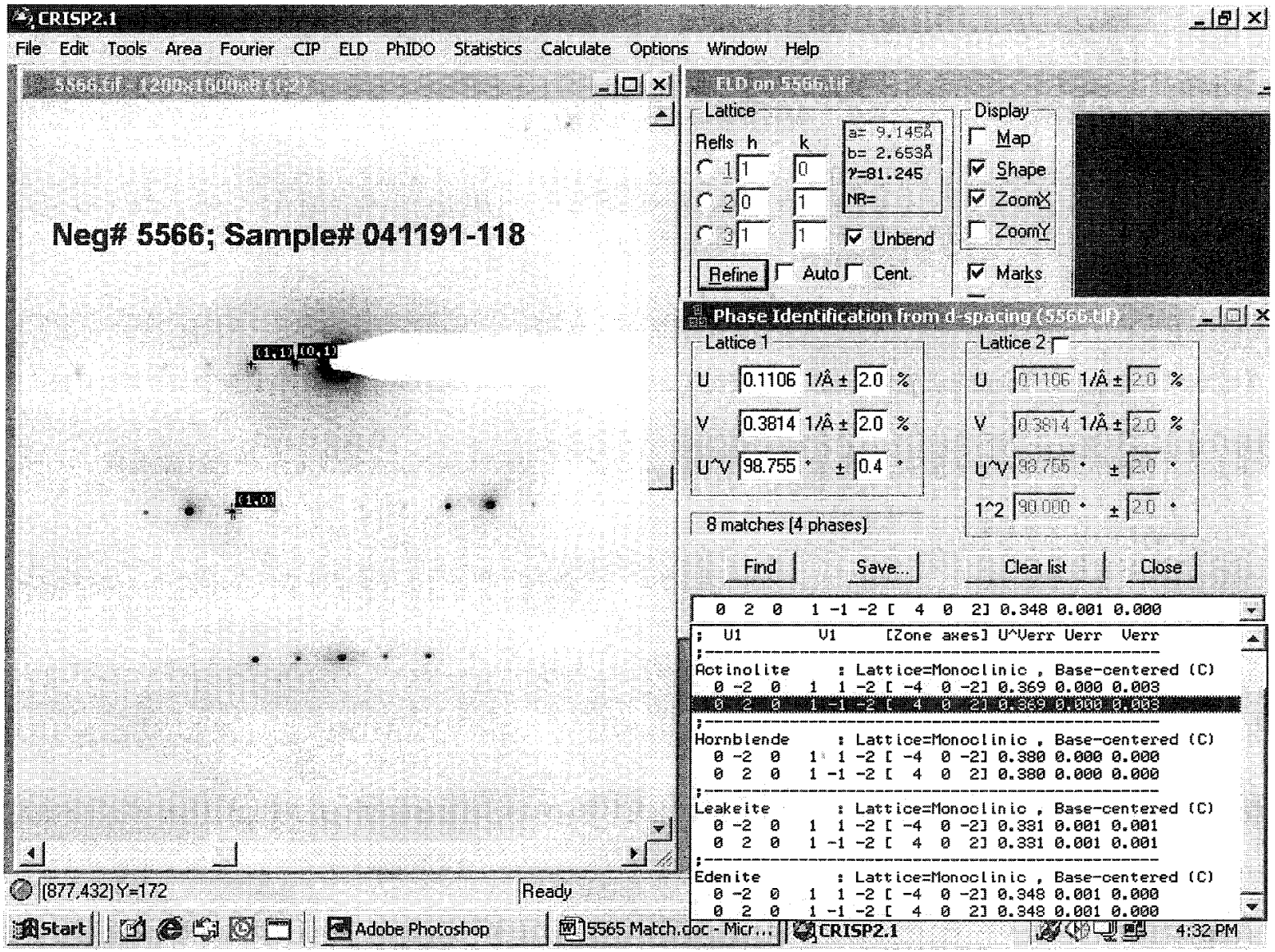
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-116-791**

Values		Satisfied Conditions
(Ca,Na)@B	1.80	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.12	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.68	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.08	Si > 7.5
Mg/(Mg+Fe2)	0.61	(Mg/(Mg+Fe2))< 0.9
Si	8.00	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[2 0 1]



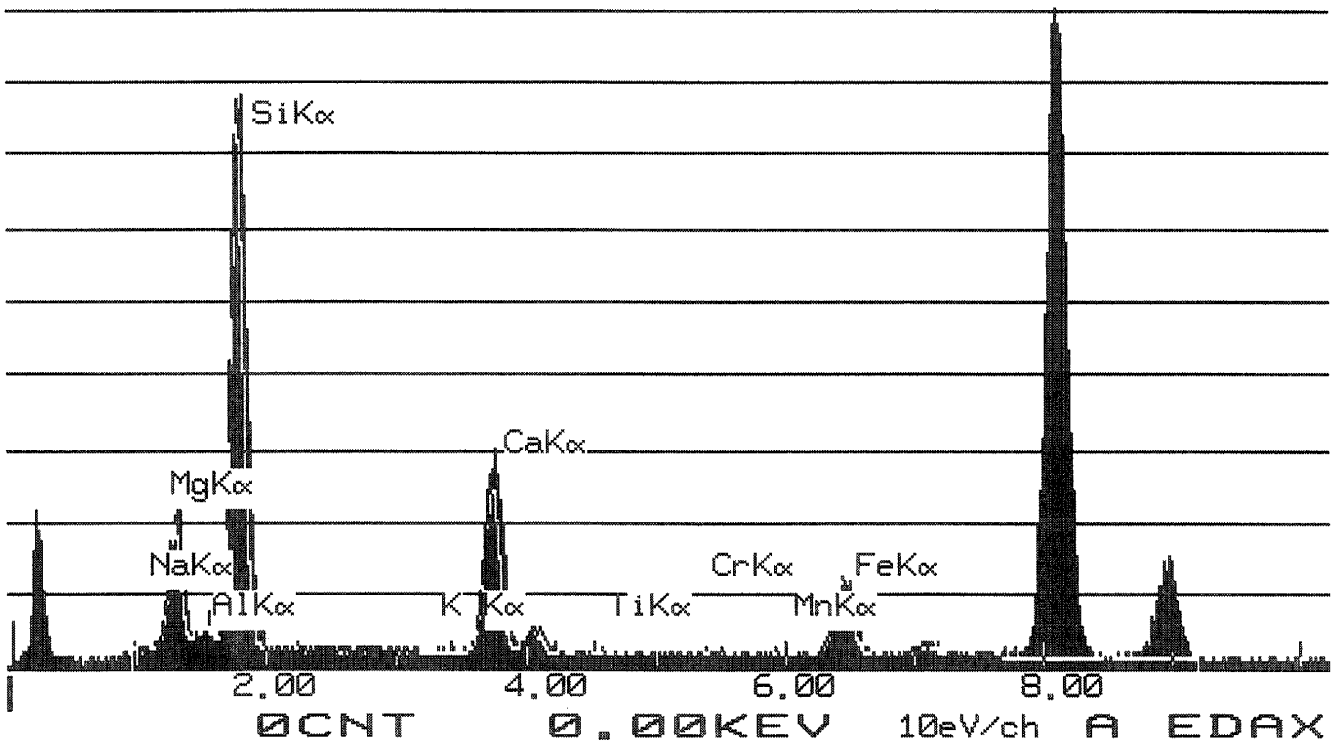
INTE-% :
LABEL = 041191-118 15422
24-NOV-72 05:25:40
195.418 LIVE SECONDS

B6 - Normal detrital

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	8.628	10.916	18.100
ALK	1.377	1.046	1.977
SIK	37.709	26.833	57.405
CAK	14.594	9.901	13.854
FEK	6.724	6.060	8.664
TOTAL			100.000

USED PEIF: USER

23-NOV-04 05:26:01 SUPER QUANT
RATE= 314CPS TIME= 195LSEC
FS= 961/ 961 PRST= 200LSEC
A =041191-118 15422



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	57.405	Si+4	7.8871	7.8871							
Al2O3	1.977	Al+3	0.3201	0.1129	**0.2073**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	8.664	Fe+3	0.0090			0.0090	0.0000				
MgO	18.1	Mg+2	3.7074			3.7074	**0.0000**				
MnO	0	Fe+2	0.9854			0.9854	**0.0000**				
CaO	13.854	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	2.0392					2.0000	0.0392		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**100**		**Excess**	T site	**0.2073**	C site	**0.0000**	B site	**0.0392345**	A site	**0**
			Total	**8**		**4.9091**		**2.0000**		**0.0000**	**0.0000**
			%Fill	**100**		**98.1817**		**100**			

Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **000000-00-00-00**

Values		Satisfied Conditions
(Ca,Na)@B	2.00	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	2.00	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.79	(Mg/(Mg+Fe2))< 0.9
Si	7.89	

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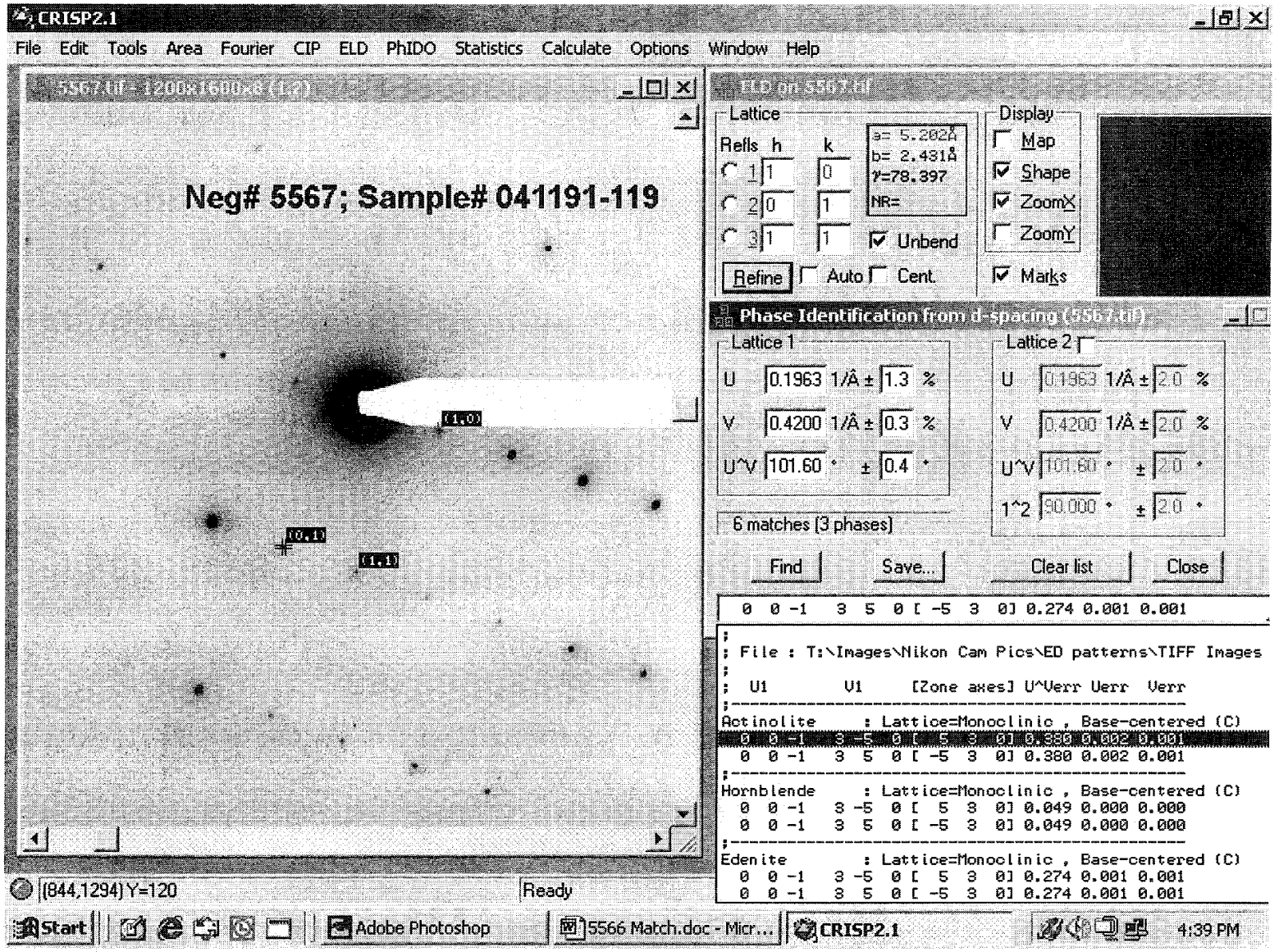
ACTINOLITE
[530]



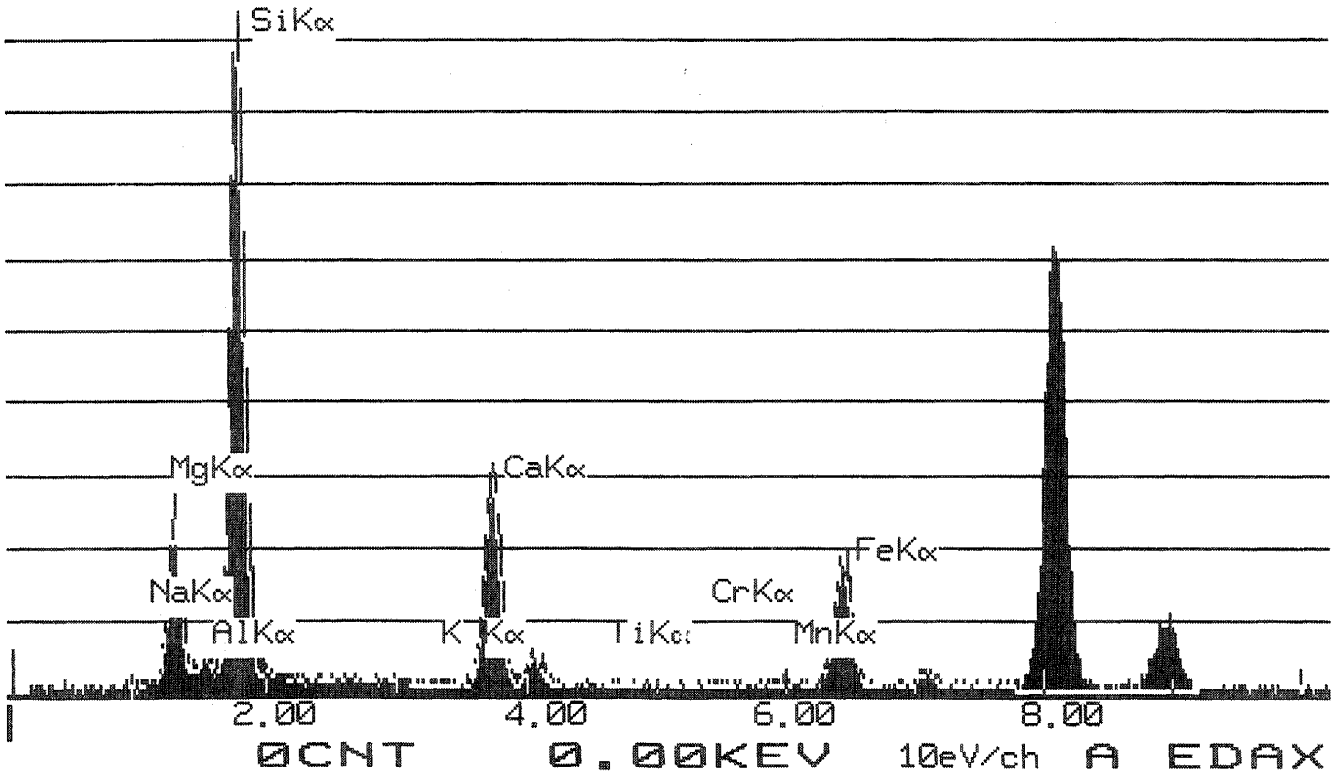
INTE-% :
LABEL = 041191-119 15423
24-NOV-72 10:20:06
38.267 LIVE SECONDS

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	29.869	10.867	18.018
ALK	3.606	0.788	1.489
SIK	127.316	26.051	55.732
CAK	46.411	9.054	12.668
TIK	0.261	0.072	0.120
CRK	0.862	0.234	0.342
MNK	1.071	0.302	0.389
FEK	30.340	7.863	11.242
TOTAL			100.000

86- element
Oxide

USED PEIF: USER

23-NOV-04 10:20:28 SUPER QUANT
RATE= 570CPS TIME= 38LSEC
FS= 517/ 517 PRST= 200LSEC
A =041191-119 15423



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	55.732	Si+4	7.7129	7.7129							
Al2O3	1.489	Al+3	0.2429	0.2429	**0.0000**						
TiO2	0.12	Ti+4	0.0125	0.0125	**0.0000**						
Cr2O3	0.342	Cr+3	0.0374			0.0374	0.0000				
Fe(total)O	11.242	Fe+3	0.4800			0.4800	0.0000				
MgO	18.018	Mg+2	3.7175			3.7175	**0.0000**				
MnO	0.389	Fe+2	0.7676			0.7651	**0.0024**				
CaO	12.668	Mn+2	0.0456			0.0000	**0.0456**				
Na2O	0	Ca+2	1.8782					1.8782	0.0000		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**100**		**Excess**	T site	**0.0000**	C site	**0.0480**	B site	**0**	A site	**0**
			Total	**7.9683**		**5.0000**		**1.8782**		**0.0000**	**0.0000**
			%Fill	**99.603**		**100**		**93.9104**			

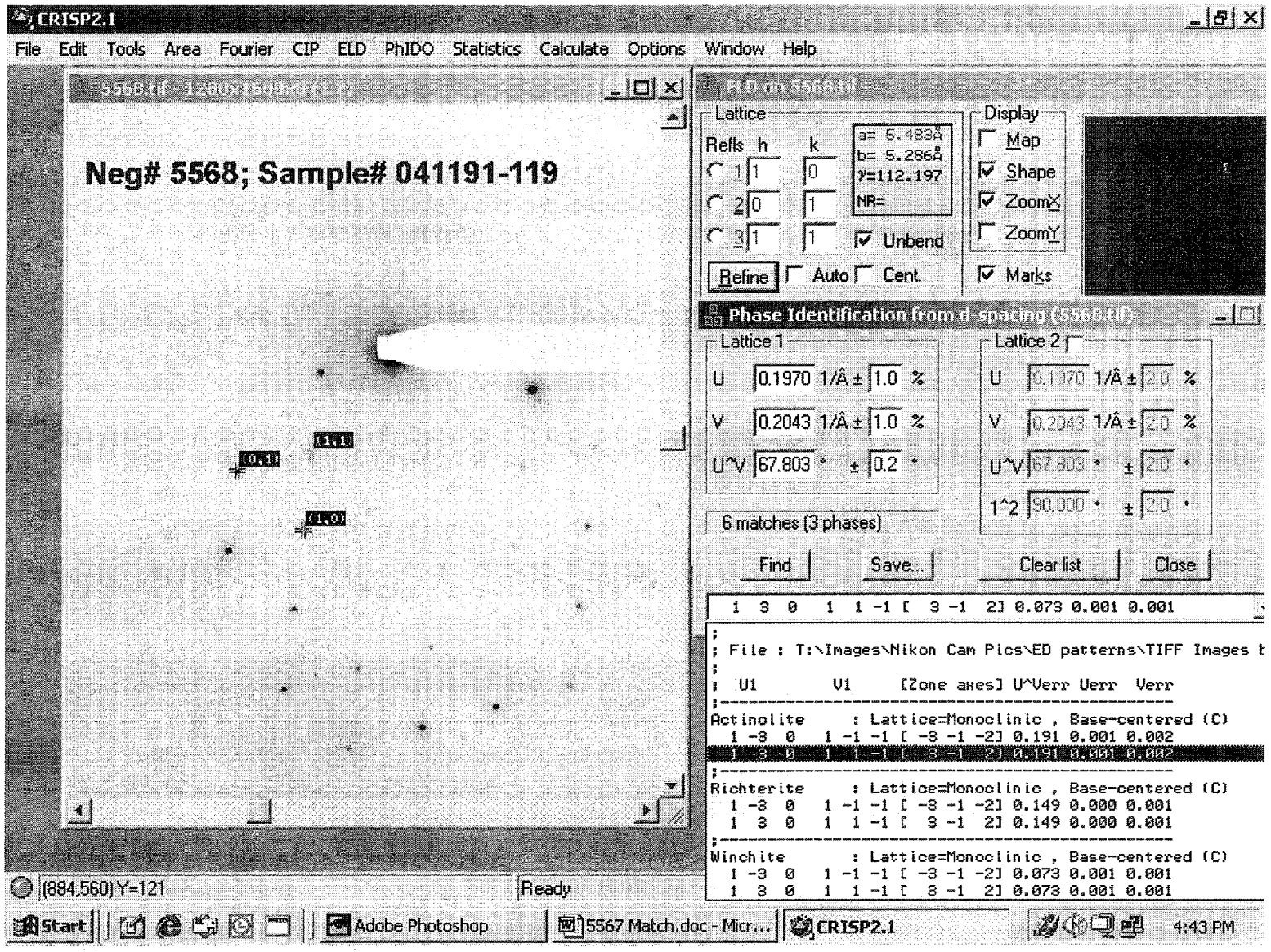
Prefix none
Name actinolite
Modifier none
Group Calcic Amphibole

Sample # **041191-119-15423**

Values		Satisfied Conditions
(Ca,Na)@B	1.88	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	0.00	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	1.88	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	0.00	Si > 7.5
Mg/(Mg+Fe2)	0.83	(Mg/(Mg+Fe2))< 0.9
Si	7.71	

Mineral Analysis Program (Version 5.0)

ACTINOLITE
[3 -1 2]



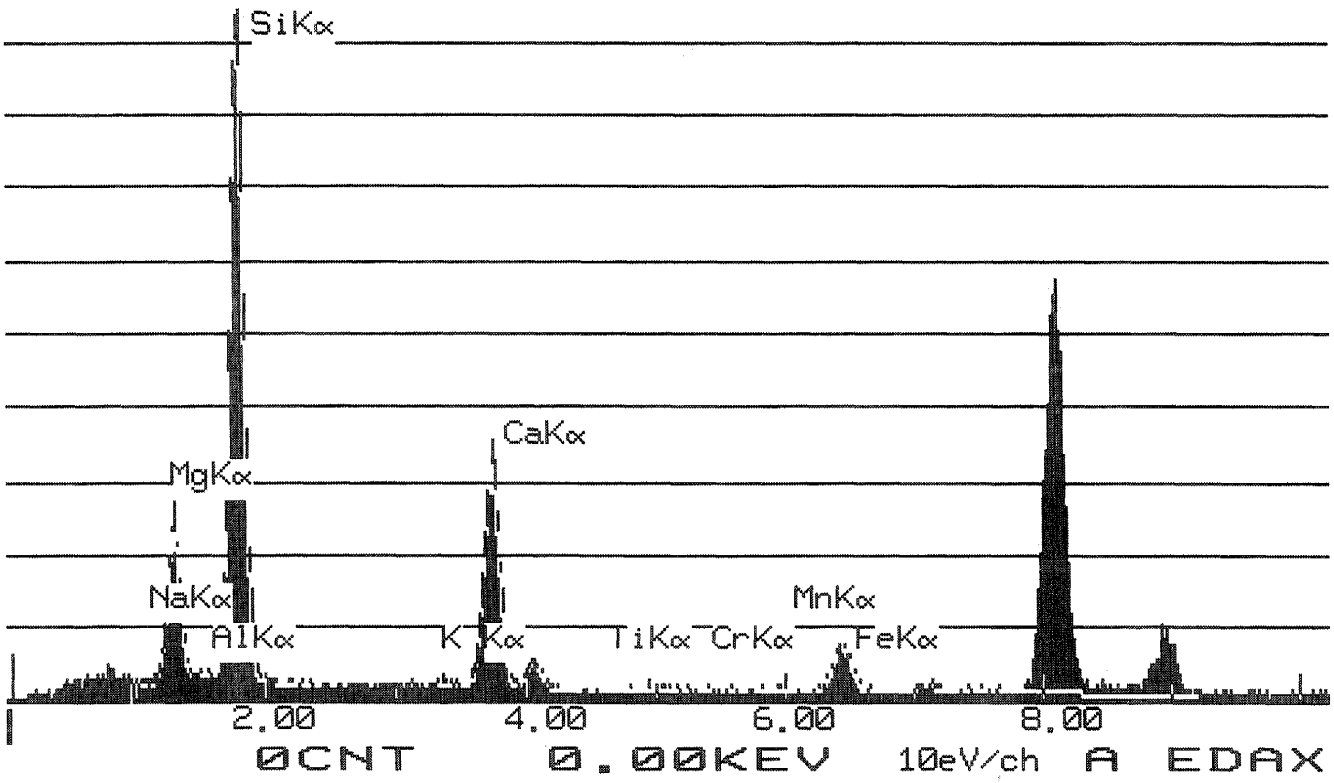
INTE-% :
LABEL = 041191-119 15424
24-NOV-72 10:29:10
38.712 LIVE SECONDS

Be - standard
[illegible]

ELEM	CPS	WT % ELEM	WT % OXIDE
MGK	41.641	11.201	18.573
ALK	0.982	0.159	0.300
SIK	189.889	28.729	61.462
CAK	73.801	10.646	14.895
FEK	17.411	3.336	4.770
TOTAL			100.000

USED PEIF: USER

23-NOV-04 10:29:30 SUPER QUANT
RATE= 303CPS TIME= 39LSEC
FS= 789/ 789 PRST= 200LSEC
A =041191-119 15424



	Wt Percent		ions	T site	Leftover	C site	Leftover	B site	Leftover	A site	Leftover
SiO2	61.462	Si+4	8.0000	8.0000							
Al2O3	0.3	Al+3	0.0784	0.0000	**0.0784**						
TiO2	0	Ti+4	0.0000	0.0000	**0.0000**						
Cr2O3	0	Cr+3	0.0000			0.0000	0.0000				
Fe(total)O	4.77	Fe+3	0.0245			0.0245	0.0000				
MgO	18.573	Mg+2	3.8001			3.8001	**0.0000**				
MnO	0	Fe+2	0.5746			0.5746	**0.0000**				
CaO	14.895	Mn+2	0.0000			0.0000	**0.0000**				
Na2O	0	Ca+2	2.2011					2.0000	0.2011		
K2O	0	Na+	0.0000					0.0000	**0.0000**	0.0000	0.0000
		K+	0.0000							0.0000	0.0000
Total	**100**		**Excess**	T site	**0.0784**	C site	**0.0000**	B site	**0.2011238**	A site	**0**
			Total	**8**		**4.4776**		**2.0000**		**0.0000**	**0.0000**
			%Fill	**100**		**89.5512**		**100**			

Prefix	none
Name	actinolite
Modifier	none
Group	Calcic Amphibole

Sample # **041191-119-15424**

Values		**Satisfied Conditions**
(Ca,Na)@B	**2.00**	(Ca,Na)@B >= 1 and Na@B < 0.5
Na@B	**0.00**	Ca@B >= 1.5 and (Na,K)@A < 0.5
Ca@B	**2.00**	(Mg/(Mg+Fe2))>= 0.5
(Na,K)@A	**0.00**	Si > 7.5
Mg/(Mg+Fe2)	**0.87**	(Mg/(Mg+Fe2))< 0.9
Si	**8.00**	

Mineral Analysis Program (Version 5.0)